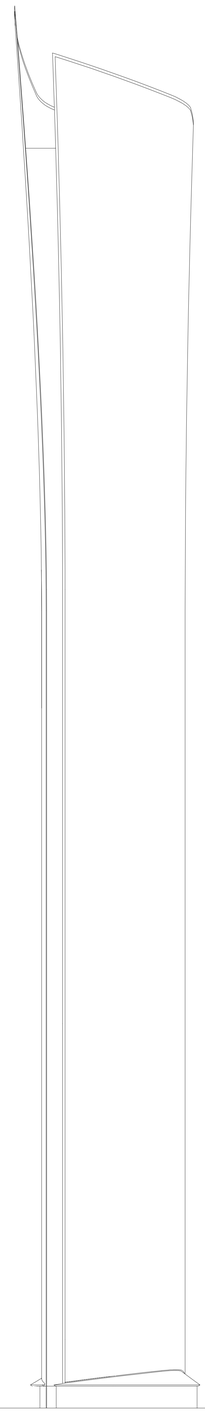
DEPT OF BLDGS 121323.00 Job Number

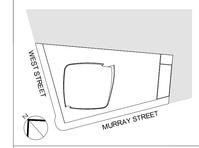
B3600070713 Scan Code



111 MURRAY STREET

DOB ISSUE: MARCH 09, 2015

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
COVER SHEET

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
No. 026004
STATE OF NEW YORK

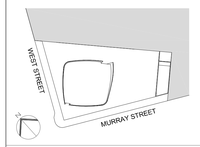
DATE: 09/15/14
PROJECT #: 13A26
SCALE: NTS
T-000.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E591241352SI Scan Code

ARCHITECTURAL DRAWING INDEX

DRAWING TYPE	SHEET NO.	B-SCAN IDEN # OF 200	DRAWING TITLE	SCALE	ISSUE DATES			
							March 09,2015	
COVER								
	T-000	1	COVER SHEET	NTS			*	
GENERAL								
	G-000	2	DRAWING INDEX	NTS			*	
	G-001	3	PROJECT RENDERINGS	NTS			*	
	G-002	4	GENERAL NOTES 1	NTS			*	
	G-003	5	GENERAL NOTES 2	NTS			*	
	G-004	6	PROJECT SYMBOLS AND ABBREVIATIONS	NTS			*	
	G-005	7	ACCESSIBILITY NOTES & DIAGRAMS	NTS			*	
ZONING								
	Z-001	8	SITE PLAN, SECTIONS, FLOOR AREA SCHEDULE, AND ZONNING CALCULATIONS	AS NOTED			*	
	Z-002	9	LOT COVERAGE, AVERAGE CURB LEVEL & YARD REGULATIONS	AS NOTED			*	
	Z-003	10	TRANSPARENCY DIAGRAM, STREET TREE PLANTING DIAGRAM, BICYCLE STORAGE, R.C	AS NOTED			*	
	Z-004	11	DCP CHAIR LETTER	AS NOTED			*	
	Z-005	12	CELLAR FLOOR MEP DEDUCTIONS	AS NOTED			*	
	Z-006	13	GROUND FLOOR MEP DEDUCTIONS	AS NOTED			*	
	Z-007	14	PAVILION MEP DEDUCTIONS (FLOORS 2ND-ROOF)	AS NOTED			*	
	Z-008	15	2, 3, 4-11, 12 FLOOR MEP DEDUCTIONS	AS NOTED			*	
	Z-009	16	13-26, 27, 28-38, 39 FLOOR MEP DEDUCTIONS	AS NOTED			*	
	Z-010	17	40, 41, 42, 43 FLOOR MEP DEDUCTIONS	AS NOTED			*	
	Z-011	18	44, 45, 46, 47 FLOOR MEP DEDUCTIONS	AS NOTED			*	
	Z-012	19	48, 49, 50, 51 FLOOR MEP DEDUCTIONS	AS NOTED			*	
	Z-013	20	52, 53, 54, 55 FLOOR MEP DEDUCTIONS	AS NOTED			*	
	Z-014	21	56, 57, 58, 59 FLOOR MEP DEDUCTIONS	AS NOTED			*	
	Z-015	22	60, 61, 62 FLOOR MEP DEDUCTIONS	AS NOTED			*	
LIFE SAFETY (EGRESS)								
	EG-005	23	CELLAR FLOOR LIFE SAFTEY	AS NOTED			*	
	EG-006	24	GROUND FLOOR LIFE SAFTEY	AS NOTED			*	
	EG-007	25	PAVILION LIFE SAFTEY (FLOORS 2ND-ROOF)	AS NOTED			*	
	EG-008	26	2, 3, 4-11, 12 FLOOR LIFE SAFTEY	AS NOTED			*	
	EG-009	27	13-26, 27, 28-38, 39 FLOOR LIFE SAFTEY	AS NOTED			*	
	EG-010	28	40, 41, 42, 43 FLOOR LIFE SAFTEY	AS NOTED			*	
	EG-011	29	44, 45, 46, 47 FLOOR LIFE SAFTEY	AS NOTED			*	
	EG-012	30	48, 49, 50, 51 FLOOR LIFE SAFTEY	AS NOTED			*	
	EG-013	31	52, 53, 54, 55 FLOOR LIFE SAFTEY	AS NOTED			*	
	EG-014	32	56, 57, 58, 59 FLOOR LIFE SAFTEY	AS NOTED			*	
PROJECT SCHEDULES & MISC. DETAILS								
	A-006	33	PARTITION TYPES SCHEDULE	NTS			*	
	A-007	34	PARTITION TYPES SCHEDULE	NTS			*	
	A-008	35	DOOR SCHEDULE	NTS			*	
	A-009	36	AMENITY DOOR SCHEDULE	NTS			*	
	A-010	37	DOOR DETAILS	AS NOTED			*	
	A-012	38	MISC. DETAILS	AS NOTED			*	
	A-013	39	MISC. DETAILS	AS NOTED			*	
	A-014	40	ROOF DETAILS	NTS			*	
	A-015	41	ROOF DETAILS	NTS			*	
	A-016	42	EXTERIOR ASSEMBLY & FINISH SCHEDULE	NTS			*	
	A-017	43	AMENITY FINISH SCHEDULE				*	
	A-018	44	LIGHTING SCHEDULE	NTS			*	
	A-019	45	PLUMBING FIXTURE SCHEDULE (PLUMBING COUNT)	NTS			*	
	A-020	46	STACKING CHART	NTS			*	
SITE SURVEY, FEMA MAPS & PROJECT DIAGRAMS								
	A-080	47	SITE SURVEY	AS NOTED			*	
	A-081	48	FEMA MAPS	AS NOTED			*	
	A-082	49	FLOOD DIAGRAM	AS NOTED			*	
	A-083	50	FLOOD DETAILS	AS NOTED			*	
	A-085	51	PROJECT SET-OUT PLAN	AS NOTED			*	
	A-086	52	TOWER GEOMETRY ISOMETRIC	AS NOTED			*	
	A-093	53	TOWER CURTAIN WALL PANEL GEOMETRY	AS NOTED			*	
FLOOR PLANS								
	A-100	54	SITE PLAN	1/8"=1'-0"			*	
	A-102	55	CELLAR FLOOR PLAN	1/8"=1'-0"			*	
	A-103	56	CELLAR PARTIAL FLOOR PLAN A	1/4"=1'-0"			*	
	A-104	57	CELLAR PARTIAL FLOOR PLAN B	1/4"=1'-0"			*	
	A-105	58	CELLAR PARTIAL FLOOR PLAN C	1/4"=1'-0"			*	
	A-106	59	GROUND FLOOR PLAN	1/8"=1'-0"			*	
	A-107	60	PAVILION FLOOR PLANS (GROUND & 2ND FLOOR)	1/4"=1'-0"			*	
	A-108	61	PAVILION (3RD & ROOF & BULKHEAD)	1/4"=1'-0"			*	
	A-109	62	TOWER GROUND FLOOR PLAN	1/4"=1'-0"			*	
	A-110	63	2ND FLOOR PLAN (MECHANICAL)	1/4"=1'-0"			*	
	A-111	64	3RD FLOOR PLAN (MECHANICAL)	1/4"=1'-0"			*	
	A-113	65	4TH-11TH FLOOR PLAN	1/4"=1'-0"			*	
	A-121	66	12 TH FLOOR PLAN	1/4"=1'-0"			*	
	A-122	67	13TH-26TH FLOOR PLAN	1/4"=1'-0"			*	
	A-136	68	27TH FLOOR PLAN (MECHANICAL)	1/4"=1'-0"			*	
	A-138	69	28TH-38TH FLOOR PLAN	1/4"=1'-0"			*	
	A-149	70	39TH FLOOR PLAN	1/4"=1'-0"			*	
	A-150	71	40TH FLOOR PLAN	1/4"=1'-0"			*	
	A-151	72	41ST FLOOR PLAN	1/4"=1'-0"			*	
	A-152	73	42ND FLOOR PLAN	1/4"=1'-0"			*	
	A-153	74	43RD FLOOR PLAN	1/4"=1'-0"			*	
	A-154	75	44TH FLOOR PLAN	1/4"=1'-0"			*	
	A-155	76	45TH FLOOR PLAN	1/4"=1'-0"			*	
	A-156	77	46TH FLOOR PLAN	1/4"=1'-0"			*	
	A-157	78	47TH FLOOR PLAN	1/4"=1'-0"			*	
	A-158	79	48TH FLOOR PLAN	1/4"=1'-0"			*	
	A-159	80	49TH FLOOR PLAN	1/4"=1'-0"			*	
	A-160	81	50TH FLOOR PLAN	1/4"=1'-0"			*	
	A-161	82	51ST FLOOR PLAN	1/4"=1'-0"			*	
	A-162	83	52ND FLOOR PLAN	1/4"=1'-0"			*	
	A-163	84	53RD FLOOR PLAN	1/4"=1'-0"			*	
	A-164	85	54TH FLOOR PLAN	1/4"=1'-0"			*	
	A-165	86	55TH FLOOR PLAN	1/4"=1'-0"			*	
	A-166	87	56TH FLOOR PLAN	1/4"=1'-0"			*	
	A-167	88	57TH FLOOR PLAN	1/4"=1'-0"			*	
	A-168	89	58TH FLOOR PLAN	1/4"=1'-0"			*	
	A-169	90	59TH FLOOR PLAN	1/4"=1'-0"			*	
	A-170	91	60TH FLOOR PLAN (ROOF/MECHANICAL)	1/4"=1'-0"			*	
	A-171	92	61ST FLOOR PLAN (PEMR)	1/4"=1'-0"			*	
	A-172	93	62NDFLOOR PLAN (SEMR)	1/4"=1'-0"			*	
	A-174	94	TOWER ROOF PLAN (TOP OF CROWN)	1/4"=1'-0"			*	
ELEVATIONS								
	A-200	95	OVERALL TOWER ELEVATIONS (NORTH & EAST)	1/32"=1'-0"			*	
	A-201	96	OVERALL TOWER ELEVATIONS (SOUTH & WEST)	1/32"=1'-0"			*	
	A-202	97	ENLARGED TOWER ELEVATIONS (NORTH & EAST)	1/8"=1'-0"			*	
	A-203	98	ENLARGED TOWER ELEVATIONS (NORTH & EAST)	1/8"=1'-0"			*	
	A-204	99	ENLARGED TOWER ELEVATIONS (NORTH & EAST)	1/8"=1'-0"			*	
	A-205	100	ENLARGED TOWER ELEVATIONS (SOUTH & WEST)	1/4"=1'-0"			*	
	A-206	101	ENLARGED TOWER ELEVATIONS (SOUTH & WEST)	1/4"=1'-0"			*	
	A-207	102	ENLARGED TOWER ELEVATIONS (SOUTH & WEST)	1/4"=1'-0"			*	
	A-210	103	PAVILION ELEVATIONS (SOUTH & WEST)	1/4"=1'-0"			*	
	A-211	104	PAVILION ELEVATIONS (NORTH & EAST)	1/4"=1'-0"			*	
	A-212	105	SITE ELEVATIONS	1/4"=1'-0"			*	
SECTIONS								
	A-300	106	NORTH & EAST OVERALL TOWER SECTIONS	1/32"=1'-0"			*	
	A-303	107	ENLARGED TOWER SECTIONS	1/8"=1'-0"			*	
	A-310	108	SECTIONS - CELLAR/FOUNDATION WALLS	1/4"=1'-0"			*	
	A-350	109	PAVILION STAIR PLANS & SECTIONS (CELLAR TO ROOF)	1/4"=1'-0"			*	
	A-351	110	TOWER STAIR PLANS & SECTIONS OF STAIR A & B	1/4"=1'-0"			*	
	A-352	111	TOWER STAIR PLANS & SECTIONS OF STAIR A & B	1/4"=1'-0"			*	
	A-353	112	TOWER STAIR PLANS & SECTIONS OF STAIR A & B	1/4"=1'-0"			*	
	A-354	113	STAIR DETAILS	1/4"=1'-0"			*	
	A-356	114	PASSENGER ELEVATOR PLAN AND SECTIONS	AS NOTED			*	
	A-357	115	SERVICE AND PAVILION ELEVATOR PLAN AND SECTION	AS NOTED			*	
WALL TYPES								
	A-400	116	WALL TYPE DIAGRAM - TOWER	1/32"=1'-0"			*	
	A-401	117	WALL TYPE DIAGRAM - PAVILLION AND ROOF	1/2"=1'-0"			*	
	A-402	118	WALL TYPE 1 TW TYPICAL FLOOR	1/2"=1'-0"			*	
	A-403	119	WALL TYPE 1 TW SECTIONS	1/2"=1'-0"			*	
	A-404	120	WALL TYPE 1 TW RADIUS CORNER	1/2"=1'-0"			*	
	A-405	121	WALL TYPE 1 TW MECHANICAL LOUVERS @ L3	1/2"=1'-0"			*	
	A-406	122	WALL TYPE 1 TW MECHANICAL SECTIONS @ L3	1/2"=1'-0"			*	
	A-407	123	WALL TYPE 1 TW MECHANICAL LOUVERS @ L3	1/2"=1'-0"			*	
	A-408	124	WALL TYPE 1 TW MECHANICAL REVEAL @L27	1/2"=1'-0"			*	
	A-410	125	WALL TYPE 1 TW MECHANICAL LOUVERS @L51	1/2"=1'-0"			*	
	A-412	126	WALL TYPE 1 & 2 TW TYPICAL PENTHOUSE ELEVATIONS	1/2"=1'-0"			*	
	A-413	127	WALL TYPE 1 & 2 TW TYPICAL PENTHOUSE SECTIONS	1/2"=1'-0"			*	
	A-415	128	WALL TYPE 1 TW RADIUS CORNER	1/2"=1'-0"			*	
	A-420	129	WALL TYPE 1 & 3 CROWN ISOMETRIC	1/2"=1'-0"			*	
	A-421	130	WALL TYPE 1 & 3 TW NE CROWN CORNER	1/2"=1'-0"			*	
	A-422	131	WALL TYPE 1 & 3 TW SW CROWN CORNER	1/2"=1'-0"			*	
	A-430	132	WALL TYPE 4 TW LOBBY STOREFRONT @ VESTIBULE	1/2"=1'-0"			*	
	A-432	133	WALL TYPE 4 TW LOBBY STOREFRONT @ REVEAL	1/2"=1'-0"			*	
	A-433	134	WALL TYPE 4 TW STOREFRONT SECTIONS	1/2"=1'-0"			*	
DETAILS								
	A-500	135	PLAN DETAILS	3"=1'-0"			*	
	A-501	136	PLAN DETAILS	3"=1'-0"			*	
	A-502	137	PLAN DETAILS	3"=1'-0"			*	
	A-520	138	SECTION DETAILS	3"=1'-0"			*	
	A-521	139	SECTION DETAILS	3"=1'-0"			*	
	A-522	140	SECTION DETAILS	AS NOTED			*	
	A-524	141	SECTION DETAILS	AS NOTED			*	
	A-525	142	STOREFRONT DETAILS	AS NOTED			*	
RCP'S								
	A-601	142	LOWER CELLAR REFLECTED CEILING PLAN	1/8"=1'-0"	*	*		
	A-602	143	CELLAR FLOOR RCP	1/8"=1'-0"			*	
	A-603	144	CELLAR PARTIAL FLOOR RCP A	1/4"=1'-0"			*	
	A-604	145	CELLAR PARTIAL FLOOR RCP B	1/4"=1'-0"			*	
	A-605	146	CELLAR PARTIAL FLOOR RCP C	1/4"=1'-0"			*	
	A-606	147	GROUND FLOOR RCP	1/8"=1'-0"			*	
	A-607	148	PAVILION (GROUND & 2ND) RCP	1/4"=1'-0"			*	
	A-608	149	PAVILION (3RD & ROOF) RCP	1/4"=1'-0"			*	
	A-609	150	TOWER GROUND FLOOR RCP	1/4"=1'-0"			*	
	A-611	151	2ND FLOOR RCP (BICYCLE STORAGE ROOM/MECHANICAL)	1/4"=1'-0"			*	
	A-612	152	3RD FLOOR RCP	1/4"=1'-0"			*	
	A-613	153	4TH -10TH FLOOR RCP	1/4"=1'-0"			*	
	A-620	154	11TH FLOOR RCP	1/4"=1'-0"			*	
	A-621	155	12TH FLOOR RCP	1/4"=1'-0"			*	
	A-622	156	13TH- 25TH FLOOR RCP	1/4"=1'-0"			*	
	A-635	157	26TH FLOOR RCP	1/4"=1'-0"			*	
	A-636	158	27TH FLOOR MECHANICAL RCP	1/4"=1'-0"			*	
	A-638	159	28TH-38TH FLOOR RCP	1/4"=1'-0"			*	
	A-649	160	39TH FLOOR RCP	1/4"=1'-0"			*	
	A-650	161	40TH FLOOR RCP	1/4"=1'-0"			*	
	A-651	162	41ST FLOOR RCP	1/4"=1'-0"			*	
	A-652	163	42ND FLOOR RCP	1/4"=1'-0"			*	
	A-653	164	43RD FLOOR RCP	1/4"=1'-0"			*	
	A-654	165	44TH FLOOR RCP	1/4"=1'-0"			*	
	A-655	166	45TH FLOOR RCP	1/4"=1'-0"			*	
	A-656	167	46TH FLOOR RCP	1/4"=1'-0"			*	
	A-657	168	47TH FLOOR RCP	1/4"=1'-0"			*	
	A-658	169	48TH FLOOR RCP	1/4"=1'-0"			*	
	A-659	170	49TH FLOOR RCP	1/4"=1'-0"			*	
	A-660	171	50TH FLOOR RCP	1/4"=1'-0"			*	
	A-661	172	51ST FLOOR MECHANICAL RCP	1/4"=1'-0"			*	
	A-662	173	52ND FLOOR RCP	1/4"=1'-0"			*	
	A-663	174	53RD FLOOR RCP	1/4"=1'-0"			*	
	A-664	175	54TH FLOOR RCP	1/4"=1'-0"			*	
	A-665	176	55TH FLOOR RCP	1/4"=1'-0"			*	
	A-666	177	56TH FLOOR RCP	1/4"=1'-0"			*	
	A-667	178	57TH FLOOR RCP	1/4"=1'-0"			*	
	A-668	179	58TH FLOOR RCP	1/4"=1'-0"			*	
	A-669	180	59TH FLOOR RCP	1/4"=1'-0"			*	
	A-670	181	60TH FLOOR	1/4"=1'-0"			*	
	A-671	182	61ST FLOOR PEMR RCP	1/4"=1'-0"			*	
	A-672	183	62ND FLOOR SEMR RCP	1/4"=1'-0"			*	
KITCHEN TYPES								
	A-700	184	TYPICAL KITCHENS	AS NOTED			*	
	A-701	185	TYPICAL KITCHENS	AS NOTED			*	
	A-702	186	TYPICAL KITCHENS	AS NOTED			*	
	A-703	187	TYPICAL KITCHENS	AS NOTED			*	
	A-704	188	TYPICAL KITCHENS	AS NOTED			*	
	A-705	189	TYPICAL KITCHENS	AS NOTED			*	
	A-706	190	TYPICAL KITCHENS	AS NOTED			*	
	A-707	191	TYPICAL KITCHENS	AS NOTED			*	
	A-708	192	TYPICAL KITCHENS	AS NOTED			*	
	A-709	193	TYPICAL KITCHENS	AS NOTED			*	
	A-710	194	TYPICAL KITCHENS	AS NOTED			*	
	A-711	195	TYPICAL KITCHENS	AS NOTED			*	
BATHROOM TYPES								
	A-800	196	TYPICAL BATHROOMS	AS NOTED			*	
	A-801	197	TYPICAL BATHROOMS	AS NOTED			*	
	A-802	198	TYPICAL BATHROOMS	AS NOTED			*	
	A-803	199	TYPICAL BATHROOMS	AS NOTED			*	
	A-804	200	TYPICAL BATHROOMS	AS NOTED			*	
	A-805	201	TYPICAL BATHROOMS	AS NOTED			*	

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0334 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3000 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

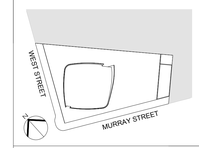
DWG TITLE:
DRAWING INDEX

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH STEPHEN HILL
No. 020904
STATE OF NEW YORK

DATE:	9/15/14
PROJECT #:	13A26
SCALE:	NTS
DWG NO.	

DEPT OF BLDGS 421323.00 Job Number
B3213000735 Scan Code

KEY PLAN



Number:	Date:	Revision:
2	03/09/15	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
PROJECT RENDERINGS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH TYLE
029003
STATE OF NEW YORK

DATE: 03/09/15
PROJECT #: 13A26
SCALE:
G-001.00
DWG NO.

BUILDING INFORMATION:

LOCATION: 101 MURRAY STREET, NEW YORK NY 10007
OCCUPANCY: R2 (WITH COMMERCIAL RETAIL @ BASE OF BUILDING)
CONSTRUCTION CLASSIFICATION: TYPE I B
SEISMIC DESIGN CATEGORY: B
STRUCTURAL OCCUPANT CATEGORY: II
FLOOD ZONE: ZONE-AE (100 YEAR FLOOD PLANE) PER FEMA PRELIMINARY WORK MAP - 2013
FLOOD OCCUPANCY: NON-RESIDENTIAL

THIS BUILDING SHALL BE BUILT IN COMPLIANCE WITH THE NEW YORK CITY BUILDING CODE EFFECTIVE AT THE DATE OF FIRST FILING: SEPTEMBER 15, 2014.

GENERAL

1. ALL NOTES HEREIN IN ADDITION TO THOSE ON THE VARIOUS DRAWINGS AND SPECIFICATIONS SHALL APPLY TO ALL DOCUMENTS AND FORM PART OF THE CONTRACT.

2. ALL CONSTRUCTION AND DEMOLITION WORK SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES, ORDINANCES, RULES, AND REGULATIONS PERTAINING TO LABOR AND MATERIALS.

CONTRACTOR

3. THE TERM "CONTRACTOR" SHALL APPLY TO ALL SUB CONTRACTORS AND/OR THEIR EMPLOYEES.

4. ALL WORK PERFORMED BY THE CONTRACTOR SHALL CONFORM TO THE 2008 NEW YORK CITY BUILDING CODE, ANY WORK NOT CONFORMING TO CODE SHALL BE CURED AT THE EXPENSE OF THE CONTRACTOR RESPONSIBLE FOR THAT WORK.

5. THE PROVISIONS OF CHAPTER 33 OF THE 2008 NEW YORK CITY BUILDING CODE SHALL GOVERN THE CONDUCT OF ALL CONSTRUCTION AND DEMOLITION OPERATIONS WITH REGARD TO THE SAFETY OF THE PUBLIC AND PROPERTY.

6. CONTRACTORS SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGES, COLLAPSE, DISTORTIONS, AND OFF ALIGNMENT ACCORDING TO APPLICABLE CODES, STANDARDS AND GOOD PRACTICE, SUB CHAPTER 33 (BC 3301.1)

7. DRAWINGS ARE NOT TO BE SCALED; WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE. ALL WORK SHALL BE LAID OUT BY DIMENSIONS; DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT.

8. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

9. CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS, LOCATION AND DISPOSITION OF EXISTING UTILITIES AND EASEMENTS.

10. ALL MATERIALS, ASSEMBLIES, FORMS, AND METHODS OF CONSTRUCTION AND SERVICE EQUIPMENT TO BE INCORPORATED IN THE WORK SHALL BE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE ASTM STANDARDS APPLICABLE, AND TO CONFORM TO THE STANDARDS AND RECOMMENDATIONS OF THE VARIOUS TRADE INSTITUTES (ACI, AISC, ETC.) WHERE APPLICABLE. ALL MATERIALS INCORPORATED INTO THE WORK SHALL BE NEW AND SHALL COMPLY WITH THE REQUIREMENTS OF ARTICLE 113 OF THE GENERAL ADMINISTRATIVE PROCEDURES (GAP)

11. THE ARCHITECT SHALL NOT HAVE CONTROL NOR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION, FABRICATION, PROCUREMENT, SHIPMENT, DELIVERY OR INSTALLATION, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTORS, SUB-CONTRACTORS, SUPPLIERS, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

12. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THEIR BEST SKILL AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

13. EACH CONTRACTOR SHALL PREPARE A PROPOSED CONSTRUCTION SCHEDULE AND SUBMIT SAME WITH THEIR BID. CONTRACTOR SHALL REFER ALL QUESTIONS AS TO THE MEANING OR RESOLUTION OF THE CONSTRUCTION DOCUMENTS TO THE ARCHITECT FOR INTERPRETATION BEFORE START OF WORK.

14. ALL CONTRACTORS SHALL BE RESPONSIBLE TO COORDINATE THEIR WORK WITH THE WORK OF ALL OTHER CONTRACTORS, IN ORDER TO PRECLUDE ANY INTERFERENCE BETWEEN PIPING, WIRING, LIGHTING FIXTURES, AIR CONDITIONING DUCTING, PLUMBING, MECHANICAL EQUIPMENT, AND/OR CONSTRUCTION ASSEMBLIES, ETC.

15. INSPECTION DURING PROGRESS OF WORKS SHALL COMPLY WITH CHAPTER 1 ARTICLE 116 OF THE GENERAL ADMINISTRATIVE PROCEDURES.

16. EACH CONTRACTOR SHALL PROVIDE LABOR, SUPERVISION, MATERIALS, EQUIPMENT & ACCESSORIES, AND COORDINATE, PROCURE, FABRICATE, DELIVER, ERECT OR INSTALL, INTERFACE WITH ANY NEW OR EXISTING WORK, START, TEST ALL WORK AS PER CODE AND CONSTRUCTION DOCUMENTS IN ORDER TO PROVIDE THE OWNER WITH A COMPLETE ASSEMBLY OR SYSTEM.

17. CONTRACTOR TO FURNISH AND INSTALL ANY OTHER MATERIAL NOT SPECIFICALLY DESCRIBED BUT REQUIRED FOR A COMPLETE INSTALLATION OF SPECIFIED PRODUCTS, MATERIALS OR SYSTEMS AS SELECTED BY THE CONTRACTOR AND SUBJECT TO APPROVAL OF THE ARCHITECT.

18. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS, CUTS AND SAMPLES OF ALL CONSTRUCTION ASSEMBLIES FOR REVIEW BY THE ARCHITECT BEFORE COMMENCING ANY WORK. NO WORK IS TO BE PERFORMED WITHOUT THE AFOREMENTIONED. THE ARCHITECT AND/OR OWNER RESERVE THE RIGHT TO REJECT ANY SUCH SUBMISSIONS.

19. THE CONTRACT DOCUMENTS CONTEMPLATE A FINISHED PIECE OF WORK OF SUCH CHARACTER AND QUALITY AS REASONABLY INFERABLE FROM THEM. THE CONTRACTOR ACKNOWLEDGES THAT THE CONTRACT INCLUDES AN ALLOWANCE OF MONEY SUFFICIENT TO MAKE THE PROJECT COMPLETE AND OPERATIONAL AND IN COMPLIANCE WITH GOOD PRACTICE AND AGREES THAT INADVERTENT MINOR DISCREPANCIES OR OMISSIONS OR THE FAILURE TO SHOW DETAILS OR TO REPEAT ANY PART OF THE CONTRACT DOCUMENT FIGURES OR NOTES GIVEN ON ANOTHER SHALL NOT BE THE CAUSE FOR ADDITIONAL CHARGES OR CLAIMS.

20. CONTRACTOR SHALL COMPLY WITH RECOMMENDATIONS OF MANUFACTURERS FOR INSTALLATION AND USE OF ALL PRODUCTS. IF RECOMMENDATIONS CONFLICT WITH DOCUMENTS, CONTRACTOR WILL NOTIFY ARCHITECT FOR RESOLUTION.

21. WHEREVER A PARTICULAR MANUFACTURER'S PRODUCT IS SPECIFIED HEREIN, IT IS TO BE USED, APPLIED, OR OTHERWISE INCORPORATED INTO THE WORK IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR SUCH USAGE.

22. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING FLOOR FINISH MATERIALS TO ENSURE THAT THE TRANSITIONS BETWEEN FLOORING MATERIALS WILL BE SMOOTH AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE APPLICATION OF ANY PAINT OR WALL COVERING MATERIALS WILL CONSTITUTE ACCEPTANCE OF SURFACES BY EACH SPECIFIC SUBCONTRACTOR AND ASSUMPTION OF RESPONSIBILITY FOR ALL SUBSEQUENT FINISHING AND RESULTS THEREOF.

23. CONTRACTOR SHALL SUBMIT SAMPLES OF ALL FINISH MATERIALS OR AS REQUIRED TO THE ARCHITECT FOR REVIEW AND ACKNOWLEDGMENT OF CONFORMANCE TO THE DESIGN INTENT PRIOR TO PROCEEDING.

24. CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL LIGHT SWITCHES, PANELS, LIGHT FIXTURES, OUTLETS, PLUMBING FIXTURES AND FITTINGS, THERMOSTATS AND DOOR BELLS IN ELEVATION WITH ARCHITECT.

25. THE CONTRACTOR SHALL PROMPTLY REMOVE FROM THE PREMISES ALL WORK CONDEMNED BY THE ARCHITECT AS FAILING TO CONFORM TO THE CONTRACT DOCUMENTS WHETHER INCORPORATED OR NOT, AND CONTRACTOR SHALL PROMPTLY REPLACE AND RE-EXECUTE HIS OWN WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS WITHOUT EXPENSE TO THE OWNER. THE CONTRACTOR SHALL BEAR THE EXPENSE OF MAKING GOOD ALL WORK OF OTHER CONTRACTORS DAMAGED BY SUCH REMOVAL OR REPLACEMENT.

26. CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS AND FORWARD COPIES OF ALL SIGN-OFFS AND CERTIFICATE OF OCCUPANCY (IF REQUIRED) TO THE ARCHITECT.

27. EACH CONTRACTOR WILL BE HELD STRICTLY RESPONSIBLE FOR THEIR WORK. ANY DISCREPANCIES IN THE PLANS OR DETAILS OR SPECIFICATIONS SHALL BE IMMEDIATELY CALLED TO THE ATTENTION OF THE ARCHITECT.

28. CONTRACTOR TO SCHEDULE AND COORDINATE ALL NECESSARY PERMITS FOR THE WORK AND ASSOCIATED INSPECTIONS PURSUANT TO THE CONTRACT DOCUMENTS AND THE ABOVE LISTED CODES. CONTRACTOR TO NOTIFY ARCHITECT OF ANY CHANGES REQUIRED TO THE APPROVED PERMIT DRAWINGS. ALL ALTERATION APPLICATIONS AND AMENDED CERTIFICATE OF OCCUPANCY (IF REQUIRED) WILL BE FILED AS PER THE 2008 NEW YORK CITY BUILDING CODE.

29. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, ALL PERMITS ISSUED BY THE DEPARTMENT OF BUILDINGS SHALL BE POSTED IN A CONSPICUOUS PLACE OPEN TO PUBLIC INSPECTION FOR THE ENTIRE DURATION OF THE WORK, OF THE USE AND THE OPERATION OF THE EQUIPMENT OR UNTIL THE EXPIRATION OF THE PERMIT. CONTRACTOR SHALL FORWARD COPIES OF ALL BUILDING DEPARTMENT DOCUMENTS AND PERMITS TO THE ARCHITECT FOR RECORD. NO WORK AT THE SITE IS TO COMMENCE UNTIL THE PLANS HAVE BEEN APPROVED AND THE APPLICABLE PERMIT IS ISSUED BY THE APPROPRIATE GOVERNING ENTITY.

30. CONTRACTOR SHALL KEEP A COMPLETE RECORD SET (DRAWINGS, SPECIFICATIONS, AGENDAS, CHANGE ORDERS, RECORD OF APPROVED SHOP DRAWINGS, SAMPLES, AND SIMILAR) ON SITE. CONTRACTOR SHALL NOT MAKE ANY ALTERATIONS TO THE CONTRACT DOCUMENTS.

31. ALL ELEVATIONS SHALL BE REFERRED TO DATUM USED BY TOPOGRAPHICAL BUREAU, BOROUGH PRESIDENT OF MANHATTAN, WHICH IS 2.752 ABOVE THE U.S. COAST AND GEODETIC SURVEY MEAN SEA LEVEL DATUM AT SANDY HOOK. ALL ELEVATIONS INDICATED ARE ACTUAL ELEVATIONS AND REFER TO DATUM USED BY TOPOGRAPHICAL BUREAU, BOROUGH PRESIDENT'S OFFICE, MANHATTAN (GAP 28-104.7.6).

32. AT LEAST 24 HOUR WRITTEN NOTICE SHALL BE GIVEN TO THE COMMISSIONER BEFORE COMMENCEMENT OF WORK (BC 3304.3 & 3306.3)

33. TEN DAYS PRIOR NOTICE SHALL BE GIVEN TO ADJOINING LOT OWNERS AFFECTED BY FOUNDATION, EARTHWORK, OR DEMOLITION WORK (BC 3304.3.2, 3306.3.2).

34. AN ACCURATE AND COMPLETE FINAL SURVEY, SIGNED AND SEALED BY A NYS LICENSED SURVEYOR, SHALL BE SUBMITTED AFTER COMPLETION OF WORK SHOWING THE LOCATION OF ANY NEW BUILDING AND / OR ANY EXTENSION TO AN EXISTING BUILDING SHOWING ELEVATION OF FIRST FLOOR, FINISHED GRADES OF OPEN SPACES, ESTABLISHED CURB LEVEL, LOCATION OF OTHER STRUCTURE ON LOT, LOCATION AND BOUNDARIES OF LOT (GAP 28-118.4).

35. ZONING LOTS EXHIBITS, PARTY WALL RESTRICTIVE DECLARATION, AND EGRESS EASEMENTS TO BE FILED AND RECORDED AT THE CITY REGISTER PRIOR TO FINAL CERTIFICATE OF OCCUPANCY.

36. POSTED OCCUPANCY AND USE: ALL BUILDINGS SHALL BE POSTED WITH A SIGN IN A FORM PRESCRIBED BY THE DEPARTMENT OF BUILDINGS, PERMANENTLY AFFIXED, PLACED IN A CONSPICUOUS LOCATION IN PUBLIC HALL OR CORRIDOR, STATING LIVE LOADS AND OCCUPANTS LOADS IN THE BUILDING AND ALL PARTS THEREOF (GAP 28-118.19).

37. ALL PERMITS ISSUED BY THE DEPARTMENT OF BUILDINGS SHALL BE POSTED IN A CONSPICUOUS PLACE OPEN TO THE PUBLIC INSPECTION FOR THE ENTIRE TIME OF THE PROSECUTION OF THE WORK, OF THE USE AND OPERATION OF THE EQUIPMENT OR UNTIL THE EXPIRATION OF THE PERMIT.

38. THE FOLLOWING ITEMS OF WORK SHALL BE SUBJECT TO CONTROLLED INSPECTION, MADE AND WITNESSED BY OR UNDER THE DIRECT SUPERVISION OF AN ARCHITECT OR ENGINEER RETAINED BY THE OWNER AND ACCEPTABLE TO ARCHITECT OF RECORD AND SATISFYING THE REQUIREMENTS OF GAP 115:"SPECIAL INSPECTORS". TEST REPORTS AND CERTIFICATE OF INSPECTION SHALL BE FILED WITH THE BUILDING DEPARTMENT (GAP 28-104.7.7):

A. STRUCTURAL STEEL - WELDING (BC 1704.3 .1)
B. STRUCTURAL STEEL - ERECTION & BOLTING (BC 1704.3.2, BC 1704.3.3)
C. CONCRETE CAST-IN-PLACE (BC 1704.4)
D. CONCRETE DESIGN MIX (TR3): BC 1905.3
E. CONCRETE TEST CYLINDERS (TR2): BC 1905.6
F. MASONRY CONSTRUCTION (BC 1704.5 & TABLE 1704.5.1)
G. SOILS: INVESTIGATIONS (BORING/TEST PITS) TR4: BC 1704.7.4
H. DEEP FOUNDATION ELEMENTS (PILE FOUNDATIONS & DRILLED PIER INSTALLATION) TR5: BC 1704.8
I. EXCAVATION - SHEETING, SHORING, AND BRACING (BC 1704.19, BC 3304.4.1)
J. WALL PANELS, CURTAIN WALLS AND VENEERS (BC 1704.10)
K. SPRAYED FIRE RESISTANT MATERIALS (BC 1704.11)
L. MECHANICAL SYSTEMS (BC 1704.15 & NYC MECHANICAL CODE)
M. HIGH-PRESSURE-FUEL-GAS PIPING (BC 1704.18 & NYC MECHANICAL CODE)
N. STRUCTURAL SAFETY DURING CONSTRUCTION OPERATIONS (BC 1704.19)
O. SITE STORM DRAINAGE DISPOSAL AND DETENTION FACILITIES (BC 1704.20)
P. SPRINKLER SYSTEM (BC 1704.21) - FILED UNDER SEPARATE APPLICATION
Q. STANDPIPE SYSTEM (BC 1704.22) - FILED UNDER SEPARATE APPLICATION
R. HEATING SYSTEMS (BC 1704.23)
S. CHIMNEYS (BC 1704.24)
T. THROUGH-PENETRATION FIRE STOP SYSTEMS, CONCEALED DRAFT STOP AND FIRE BLOCK SYSTEMS (BC 1704.25)
U. PROGRESS: FOOTING AND FOUNDATION (BC 109.3.1)
V. PROGRESS: LOWEST FLOOR ELEVATION (ATTACH FEMA FORM) BC 109.3.2
W. PROGRESS: ENERGY CODE COMPLIANCE INSPECTIONS (TR8): BC 109.3.5
X. PROGRESS: FIRE-RESISTANCE RATED CONSTRUCTION (BC 109.3.4)
Y. PROGRESS: PUBLIC ASSEMBLY EMERGENCY LIGHTING 9 28-116.2.2
Z. FLOOD ZONE COMPLIANCE (BC G105)

39. THE TECHNICAL RESPONSIBILITY REPORT FORMS (TR-1, TR-2, TR-3, ETC.) SHALL BE FILED PRIOR TO THE START OF WORK

40. ALL MATERIALS, ASSEMBLIES AND METHODS OF CONSTRUCTION REGULATED BY THE CODE AND NOT LISTED ABOVE SHALL BE SUBJECT TO SEMI-CONTROLLED INSPECTION BY THE PERSON SUPERINTENDING THE CONSTRUCTION. SIGNED COPIES OF ALL TEST AND INSPECTION REPORTS SHALL BE FILED WITH THE BUILDING DEPARTMENT.

41. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES, DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES FOR CONSTRUCTION. CONTRACTOR WILL COORDINATE THE WORK OF ALL OTHER TRADES AND SUBCONTRACTORS, AND ASSURE THAT ALL WORK IS PERFORMED IN A SAFE, COMPLETE AND SATISFACTORY MANNER.

42. REQUIRED SEPARATE APPLICATIONS:
A. APPLICATION FOR DEMOLITION
B. APPLICATION FOR NEW BUILDING
C. APPLICATION FOR PLUMBING
D. APPLICATION FOR MECHANICAL SYSTEM VENTILATION
E. APPLICATION FOR SPRINKLERS (FILED SEPARATELY)
F. APPLICATION FOR STANDPIPES (FILED SEPARATELY)
G. APPLICATION FOR ELEVATORS
H. APPLICATION FOR PUBLIC ASSEMBLY
I. HIGHWAY DEPARTMENT APPLICATION (PAVEMENT PLAN) (GAP 108)
J. FIRE PROTECTION PLAN (GAP 109)
K. APPLICATION FOR BOILER
L. SITE SAFETY PLAN (IF REQUIRED) (GAP 110) (FILED SEPARATELY)
M. ASBESTOS INVESTIGATION (GAP 106)
N. EMERGENCY GENERATOR (FILED SEPARATELY)
O. BUILDING PAVEMENT PLAN (FILED SEPARATELY)
P. APPLICATION FOR FIRE ALARM
Q. MARQUEE (FILED SEPARATELY)

43. ALL PLANS ARE SUBJECT TO REVIEW AND APPROVAL BY THE NEW YORK CITY DEPARTMENT OF BUILDINGS.

44. CONTRACTOR SHALL PROTECT ALL ADJOINING PROPERTIES AND THE ADJOINING PUBLIC RIGHT-OF-WAY. PROTECTION SHALL COMPLY WITH ALL REGULATIONS OF SECTION BC 3309.

45. SITE SAFETY MANAGER OR COORDINATOR SHALL BE DESIGNATED BY CONTRACTOR AS REQUIRED BY SECTION BC 3310 AND CHAPTER 4 OF TITLE 28 OF THE AC.

46. THE OWNER SHALL BE RESPONSIBLE FOR THE SAFE MAINTENANCE OF THE BUILDING AND ITS FACILITIES (GAP 28-301.1).

HIGH RISE

47. THIS BUILDING IS TALLER THAN 75FT AND COMPLIES WITH SECTION BC 403: HIGH RISE BUILDINGS

48. AUTOMATIC SPRINKLER SYSTEM SHALL BE INSTALLED THROUGHOUT BUILDING (BC 403.2, 903.3.1.1, 903.2.7). SPRINKLER SYSTEM SHALL COMPLY WITH BC 903.3

49. STANDPIPE SYSTEM SHALL BE INSTALLED AND SHALL COMBINE WITH AUTOMATIC SPRINKLER SYSTEM AS PER BC 905.

50. SMOKE DETECTION SHALL BE PROVIDED PER BC 907.2.12.1 (BC 403.5)

51. EMERGENCY ONE-WAYVOICE COMMUNICATION SYSTEM SHALL BE PROVIDED BETWEEN THE FIRE-COMMAND CENTER AND THE REQUIRED EXIT STAIRS (EVERY OTHER FLOOR). INTERCOM SYSTEM WITHIN DWELLING UNITS (IF PROVIDED) SHALL HAVE FIRE DEPARTMENT OVERRIDE FEATURE (BC 403.6, 907.2.12.2 EXCEPTION 3,)

52. FIRE DEPARTMENT COMMUNICATION SYSTEM NOT REQUIRED PER BC 907.2.12.3 EXCEPTION 2 (BC 403.7)

53. FIRE COMMAND CENTER COMPLYING WITH BC 911 SHALL BE PROVIDED (BC 403.8)

54. ELEVATOR LOBBIES ARE NOT REQUIRED PER 403.9.1.1 EXCEPTION 6

55. ELEVATOR SHAFTS AND STAIR ENCLOSURES SHALL BE CONSTRUCTED OF IMPACT RESISTANT WALLS (BC 403.9.2 & BC 403.15)

56. THIS BUILDING IS MORE THAN 125 FT AND WILL PROVIDE EMERGENCY POWER SYSTEM TO SUPPORT EXIT SIGNS AND EGRESS ILLUMINATION, ONE ELEVATOR SERVING ALL FLOORS , EMERGENCY VOICE COMMUNICATION SYSTEM AND ELECTRICALLY POWERED FIRE PUMPS AND SHALL COMPLY WITH SECTION 2702.1 (BC 403.11.2)

57. AUTOMATIC FAIL SAFE STAIR SIDE LOCKS ARE PERMITTED PROVIDED THEY COMPLY WITH RESTRICTIONS PER 403.12

58. SMOKE-PROOF EXIT ENCLOSURES ARE NOT PROVIDED PER BC 403.13. OPERABLE WINDOWS SHALL BE PROVIDED PER BC 912.1 EXCEPTION 1.

59. EXIT PATH PHOTOLUMINESCENT MARKINGS ARE NOT REQUIRED PER BC 403.16 EXCEPTION 1

FIRE RESISTANCE

60. THE OCCUPANCY CLASSIFICATION OF THE BUILDING IS OCCUPANCY GROUP R-2 AS PER BC 302, AND CLASS 'A' MULTIPLE DWELLING 45 AS PER SECTION 4.8 MULTIPLE DWELLING LAW.

61. THE VARIOUS OCCUPANCIES REQUIRED TO BE SEPARATED FROM EACH OTHER BY FIRE SEPARATING AS PER BC 508 SHALL BE SO SEPARATED BY PARTITIONS HAVING THE REQUIRED FIRE RATING

62. THE CONSTRUCTION CLASSIFICATION OF THE BUILDING IS CONSTRUCTION GROUP 1B (BC 602) IN ACCORDANCE WITH AREA AND HEIGHT LIMITATIONS AS SPECIFIED IN TABLE 503. THE CONSTRUCTION ELEMENTS SHALL BE OF THE REQUIRED MINIMUM FIRE RESISTANCE RATINGS AS OUTLINED IN TABLE 601.

63. STRUCTURES OR PORTIONS OF STRUCTURES SHALL BE CLASSIFIED AS TO USE PER BC 302. INCIDENTAL USE AREAS SHALL COMPLY WITH BC 508 (BC 302.1.1)

64. INCIDENTAL USE AREAS SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING WITH THE FIRE SEPARATION AND/OR SPRINKLER COVERAGE AS INDICATED IN SECTION 508.2 AND IN TABLE 508.2. IF SPRINKLER COVERAGE IS PERMITTED IN LIEU OF FIRE SEPARATION THE INCIDENTAL USE AREA SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING WITH CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE (BC 508.2.2.1). FIRE-SMOKE DAMPERS SHALL BE PROVIDED IN ALL DUCTS WHICH PENETRATE INCIDENTAL USE AREAS.

65. REQUIRED SEPARATION OF OCCUPANCIES AND INCIDENTAL USES EXCERPTED FROM BC TABLES 508.2 & 508.3.3

OCCUPANCY	SEPARATION REQ'D
A. BUILDING STORAGE	1 HR OR AUTOMATIC FIRE-EXTINGUISHING SYSTEM
B. ELECTRICAL SERVICE	1 HR OR AUTOMATIC SPRINKLER SYSTEM
C. COMPACTOR ROOM	3 HR (BC 707.13.4)
D. TENANT STORAGE	1 HR OR AUTOMATIC FIRE-EXTINGUISHING SYSTEM
E. BOILER ROOM (>15 PSI & 10 HP)	2 HR OR 1 HR AND AUTOMATIC FIRE-EXTINGUISHING SYSTEM
F. BOILER ROOM (≤15 PSI & 10 HP)	1 HR OR AUTOMATIC SPRINKLER SYSTEM
G. TENANT LAUNDRY	1 HR OR AUTOMATIC FIRE-EXTINGUISHING SYSTEM
H. PROFESSIONAL OFFICES	2 HR
I. RETAIL STORE	2 HR

66. FIRE-RESISTANCE RATING FOR BUILDING ELEMENTS

CONSTRUCTION ELEMENTS	REQ'D FIRE RESISTANCE RATING
A. STAIR ENCLOSURE	2 HR (BC 1014.2.1 EXCEPTION 3)
B. ELEVATOR SHAFT	2 HR (BC 707.4 & CHAPTER 30)
C. DUCT SHAFTS	2 HR (BC 707.4)
D. REFUSE CHUTE ENCLOSURE	2 HR (BC 707.13.1)
E. PUBLIC HALL (CORRIDOR)	1 OR 2 HR (1016.1.2 & 1016.3 EXCEPTION 4)
F. EXIT PASSAGEWAY (GRADE LEVEL)	2 HR (BC 1021.2)
G. INTERIOR PARTITIONS AND FURRING	0 HR (TABLE 601)
H. FLOOR CONSTRUCTION INCLUDING BEAMS	2 HR (TABLE 601)
I. STRUCTURAL FRAME: COLUMNS & GIRDERS	2 HR (TABLE 601)
J. ROOF CONSTRUCTION INCLUDING BEAMS	1 HR (TABLE 601)
K. EXTERIOR NON-LOAD BEARING WALLS AT LOT LINES	1 HR (TABLE 602)
L. EXTERIOR NON-LOAD BEARING WALLS AT STREET LINES	0 HR (TABLE 602)
M. EXTERIOR NON-LOAD BEARING WALLS ≥30' FROM LOT LINE	0 HR (TABLE 602)

67. THE FIRE SEPARATION OF INDIVIDUAL OCCUPANCIES FROM ADJACENT OCCUPANCIES IN BUILDINGS WHICH ARE PROVIDED WITH AUTOMATIC SPRINKLER SYSTEM (PER 903.3.1.1) MAY BE 1 HR LESS THAN THE FIRE RESISTANCE REQUIRED BY TABLE 508.3.3 BUT NOT LESS THAN ONE HOUR SEPARATION WHICH SHALL CONTINUE THROUGH CONCEALED SPACES ABOVE (BC 508.3.3.4).

68. SPACES OR DWELLING UNITS OCCUPIED BY DIFFERENT TENANTS SHALL BE SEPARATED BY FIRE BARRIERS HAVING AT LEAST A 1 HR FIRE-RESISTANCE RATING (BC 509.9)

69. THE FIRE RESISTANCE RATING OF BUILDING ELEMENTS SHALL BE DETERMINED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN ASTM E 119 OR IN ACCORDANCE WITH SECTION 703.3 OF NYC BUILDING CODE (BC 703.2)

70. FIRE STOPPING OF CONCEALED SPACES WITHIN PARTITIONS, WALLS, FLOORS, ROOFS, STAIRS, FURRED PIPE SPACES, COLUMN ENCLOSURES, ETC. SHALL BE FIRE STOPPED AS PER SECTION BC 712.

71. WHERE PIPES, WIRES, CONDUITS, DUCTS, ETC., PIERCE FIRE PROTECTION OF INDIVIDUALLY ENCASED STRUCTURAL MEMBERS, SUCH PENETRATION SHALL NOT EXCEED 2% OF ANY ONE FACE OF SUCH PARTITION, AND SHALL BE CLOSED OFF WITH CLOSE FITTING METAL ESCUTCHEONS OR PLATES (BC 714.3).

72. LINTELS SUPPORTING MASONRY WALLS OVER OPENINGS 4 FEET IN WIDTH OR GREATER, SHALL BE FIRE PROTECTED WITH MATERIALS HAVING THE REQUIRED FIRE RESISTANCE RATING OF THE WALL SUPPLIED (BC 714.6).

73. CEILINGS THAT CONTRIBUTE TO THE REQUIRED FIRE RESISTANCE RATING OF A FLOOR OR ROOF ASSEMBLY SHALL BE CONTINUOUS BETWEEN FIRE DIVISIONS, FIRE SEPARATIONS OR VERTICAL PARTITIONS HAVING THE SAME FIRE RESISTANCE RATING AS THE CEILING. CONCEALED SPACE ABOVE SUCH CEILING, UNLESS SPRINKLERED, SHALL BE FIRESTOPPED INTO AREAS NOT EXCEEDING 3,000 SQUARE FEET. ACCESS TO SUCH SPACE MAY BE THROUGH ONE OR MORE OPENINGS NOT EXCEEDING 9 SQUARE FEET, AND PROTECTED BY SELF-CLOSING OPENING PROTECTIVE (BC 803.9.1.2, BC 717)

74. OPENING PROTECTIVES INCLUDING FRAMES, SELF-CLOSING DEVICES AND HARDWARE SHALL COMPLY WITH BC 715. SIDE HINGED OR PIVOTED SWING DOORS SHALL BE TESTED IN ACCORDANCE WITH NFPA 252 OR UL 10C. LABELS SHALL COMPLY WITH NFPA 80 AND SHALL BE PERMANENTLY AFFIXED TO THE DOOR OR FRAME (BC 715.3.5)

75. ROOF SHALL BE COVERED WITH CLASS "A" ROOF COVERING MEETING THE REQUIREMENTS OF ASTM 108 OR UL 790 (BC 1505.1)

76. ABOVE DECK ROOF INSULATION SHALL BE COVERED WITH AN APPROVED ROOF COVERING AND SHALL PASS THE TESTS OF FM 4450 OR UL 1256 WHEN TESTED AS AN ASSEMBLY (BC 1508.1)

77. PENETRATIONS OF FIRE-RESISTANCE-RATED WALLS SHALL COMPLY WITH BC 712.3.1.1 OR BC 712.3.1.2.

78. STEEL ELECTRICAL BOXES IN FIRE-RESISTANCE-RATED WALLS THAT DO NOT EXCEED 16 SQ IN IN AREA PROVIDED THAT THE TOTAL AREA OF SUCH OPENINGS DOES NOT EXCEED 100 SQ IN IN ANY 100 SQ FT OF WALL AREA SHALL BE INSTALLED PER BC 712.3.2 EXCEPTION 1.

79. PENETRATIONS OF FIRE-RESISTANCE-RATED HORIZONTAL ASSEMBLIES SHALL COMPLY WITH BC 712.4.1.1 OR BC 712.4.1.2 (BC 712.4.1)

80. INTERIOR FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH THE SURFACE FLAME SPREAD RATING OBTAINED AS PRESCRIBED IN ASTM E-84 PER BC 803.1.

81. FIRE DOORS SHALL HAVE THE FIRE RESISTIVE RATINGS INDICATED IN TABLE 715.3

82. ALL DUCT SHAFT OFFSETS SHALL BE ENCASED WITH 2 HOUR FIRE RATING, UNLESS OTHERWISE NOTED. ALL PENETRATIONS THROUGH FIRE RATED DUCT ENCLOSURES ARE TO BE PROTECTED WITH 1 ½ HR RATED FIRE DAMPERS (BC 716.3.1)

EGRESS

83. ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES (BC 1014.2).

84. STAIRWAYS SHALL BE BUILT IN MATERIALS CONSISTENT WITH THE TYPE PERMITTED IN TYPE 1 CONSTRUCTION (BC 1009.5).

85. WALKING SURFACES INCLUDING TREADS AND LANDINGS SHALL BE BUILT OF OR SURFACED WITH NONSKID MATERIALS (BC 1003.4).

86. STAIR WIDTH SHALL BE DETERMINED BY OCCUPANCY SERVED BY BC 1005.1. STAIR WIDTH SHALL BE A MINIMUM OF 44" WIDE, EXCEPT WHERE ALLOWED TO BE NO LESS THAN 36" WIDE (BC 1009.1)

87. STAIRWAY CLEAR HEADROOM SHALL NOT BE LESS THAN 80" (6'-8") IN R-2 OCCUPANCY. STAIRS THAT SERVE OCCUPANCIES OTHER THAN R-2 SHALL NOT HAVE HEADROOM LESS THAN 84" (7'-0") (BC 1009.2)

88. R-2 OCCUPANCY: STAIR RISERS SHALL BE MAXIMUM 7-3/4" HIGH, TREADS MINIMUM 9-1/2" WIDE EXCLUSIVE OF NOSING, AND THE SUM OF TWO RISERS PLUS ONE TREAD EXCLUSIVE OF NOSING SHALL NOT BE LESS THAN 24" NOR MORE THAN 25-1/2". NOSING OF ¾" TO 1-1/4" TO BE PROVIDED ON TREADS LESS THAN 11". RISERS SHALL BE SOLID AND VERTICAL OR SLOPED AT NOT MORE THAN 30° FROM THE VERTICAL. (BC 1009.3 & BC 1009.3.2)

89. OTHER OCCUPANCIES: STAIR RISERS SHALL BE MAXIMUM 7" HIGH, TREADS MINIMUM 11" WIDE. RISERS SHALL BE SOLID AND VERTICAL OR SLOPED AT NOT MORE THAN 30° FROM THE VERTICAL THE LEADING EDGE OF TREADS SHALL NOT PROJECT MORE THAN 1-1/4" BEYOND THE TREAD BELOW. (BC 1009.3 & BC 1009.3.2)

90. STAIRS SHALL HAVE HANDRAILS ON EACH SIDE (EXCEPT THAT STAIRS LESS THAN 44" WIDE SHALL HAVE A HANDRAIL ON ONE SIDE ONLY). HANDRAILS SHALL PROVIDE A FINGER CLEARANCE OF 1-1/2" AND SHALL PROJECT NOT MORE THAN 4-1/2" INTO REQUIRED STAIR WIDTH. STAI

BUILDING INTERIOR

128. WHERE PROVIDED LAUNDRY MACHINES ARE AN ACCESSORY USE FOR TENANTS OF THE BUILDING ONLY AND WILL NOT BE USED FOR BUSINESS PURPOSE.

129. PUBLIC HALL LIGHTING SHALL COMPLY WITH ARTICLE 14 - ARTICLE 19 H.M.C.

130. INTERIOR FINISH TO HAVE FLAME SPREAD RATING IN ACCORDANCE WITH TABLE 803.5 AND ALL INTERIOR FINISHES ARE TO COMPLY WITH SECTION BC 803.

131. INTERCOMMUNICATION SYSTEM TO BE LOCATED AT ENTRANCE DOORS TO LOBBY ALLOWING VOICE COMMUNICATION BETWEEN THE OCCUPANT OF EACH DWELLING UNIT AND PERSON OUTSIDE SAID ENTRANCE DOOR AND PERMITTING THE BUILDING OCCUPANT TO RELEASE THE LOCKING MECHANISM OF SAID DOOR FROM THE DWELLING UNIT. IF FULL-TIME LOBBY ATTENDANT IS PROVIDED INTERCOMMUNICATION SYSTEM MAY BE BETWEEN EACH DWELLING UNIT AND THE ATTENDANT'S STATION, BC 1008.4.4 ALSO SEE SPECIFICATIONS.

132. EQUIPMENT USE CARDS WILL BE OBTAINED FOR AIR CONDITIONING AND VENTILATION SYSTEMS.

133. FUEL BURNING AND FUEL STORAGE EQUIPMENT PERMIT WILL BE OBTAINED FROM FDNY.

134. NOISE CONTROL:

A. WALLS, PARTITIONS, FLOORS/ CEILING ASSEMBLIES SEPARATING APARTMENTS FROM EACH OTHER OR FROM PUBLIC OR SERVICE AREAS ARE TO HAVE MINIMUM S.T.C. RATING OF 50 FOR AIRBORNE NOISE IN ACCORDANCE WITH ASTM E 90 OR NOT LESS THAN 45 IF FIELD TESTED IN ACCORDANCE WITH ASTM E 336. APARTMENT ENTRANCE DOOR ASSEMBLIES SHALL HAVE A MINIMUM 35 S.T.C. RATING IN ACCORDANCE WITH ASTM E 1408 (BC 1207.2).

B. DUCTS SERVICING DWELLING UNITS SHALL BE LINED WITH DUCT LINING TO MAINTAIN THE REQUIRED ACOUSTICAL RATINGS (BC 1207.2) AND AT LEAST 20 FEET FROM THE FAN DISCHARGE OR INTAKE; OTHERWISE AN APPROVED SOUND ATTENUATING DEVICE SHALL BE INSTALLED THEREIN. DUCT LINING SHALL CONFORM TO THE REQUIREMENTS OF THE NYC MECHANICAL CODE.

C. PENETRATION OF OPENINGS IN WALLS, PARTITIONS OR FLOORS FOR PIPE SLEEVES, MEDICINE CABINETS, HAMPERS, ELECTRIC DEVICES, ETC. SHALL BE PACKED, SEALED LINED OR OTHERWISE ISOLATED TO MAINTAIN THE REQUIRED S.T.C. RATING.

D. FLOOR AND CEILING CONSTRUCTION SEPARATING DWELLING UNITS FROM EACH OTHER OR FROM PUBLIC HALLS OR CORRIDORS SHALL HAVE A MINIMUM IMPACT INSULATION CLASS (IIC) OF 50 IN ACCORDANCE WITH ASTM E 92 OR NOT LESS THAN 45 IF FIELD TESTED IN ACCORDANCE WITH ASTM E 1007 IN COMPLETED CONSTRUCTION (BC 1207.3).

135. ALL MECHANICAL EQUIPMENT AND BUILDING SYSTEMS SHALL BE CONSTRUCTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE 2008 MECHANICAL CODE OF NEW YORK CITY AND THE 2008 FUEL GAS CODE OF NEW YORK CITY. BC 2801.1

136. ALL PLUMBING EQUIPMENT AND PLUMBING SYSTEMS SHALL BE CONSTRUCTED, INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE 2008 PLUMBING CODE OF NEW YORK CITY. BC 2901.1

137. ALL BUILDING STRUCTURES AND PARTS THEREOF SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH STRENGTH DESIGN, LOAD AND RESISTANCE FACTOR DESIGN, ALLOWABLE STRESS DESIGN, EMPIRICAL DESIGN OR CONVENTIONAL CONSTRUCTION METHODS, AS PER THE 2008 BUILDING CODE OF NEW YORK CITY.

138. NO WORK IS TO BE DONE PERFORMED BEYOND STREET LINES WITHOUT APPROVAL OF THE DEPARTMENT OF TRANSPORTATION.

139. SIDEWALKS TO BE LAID IN ACCORDANCE WITH RULES OF THE DEPARTMENT OF TRANSPORTATION.

140. ALL PAVED WALKS, SURFACES, AND AREAWAYS WILL BE DRAINED ADEQUATELY WITHIN THE SITE.

141. HOUSE NUMBERS WILL BE PROVIDED AS PER DEPARTMENT OF BUILDINGS RULES AND REGULATIONS.

142. STAIRWAY FLOOR NUMBER AND IDENTIFICATIONS SIGHS SHALL BE PROVIDED AS DESCRIBED IN BC 1019.1.7. EACH STAIR SHALL BE IDENTIFIED WITH AN ALPHABETIC LETTER. STAIRWAY IDENTIFICATION SIGNS SHALL BE PROVIDED ON BOTH SIDES OF EACH STAIR DOOR (BC 1019.1.7).

143. SMOKE DETECTORS CONNECTED TO CENTRAL SYSTEM SHALL BE INSTALLED IN ALL SPACES IN CELLAR HAVING OCCUPANCY.

144. EXHAUST SHALL TERMINATE 10'-0", ABOVE SIDEWALK AND FROM ANY WINDOW IN ANOTHER BUILDING OR FROM ANY WINDOW PROVIDING NATURAL VENTILATION TO A HABITABLE ROOM WITHIN THE RESIDENTIAL PORTION OF THE SAME BUILDING.

145. PROVIDE A SAFETY TYPE WASTE CAN AT EACH BUILDING ENTRANCE OR EXIT DOOR.

146. ALL CORNERS OF PARAPET WALLS SHALL BE REINFORCED WITH CORROSION RESISTANT STEEL TIES AT VERTICAL INTERVALS OF 12", SAME SHALL EXTEND AROUND CORNERS FOR 4'-0" IN BOTH DIRECTIONS AND SPLICES SHALL BE LAPPED AT LEAST 6".

FLOOD

147. THIS SITE LIES INSIDE THE 100-YEAR FLOOD ZONE (ZONE AE) AS DESIGNATED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY FOR FEMA COMMUNITY PANEL # 360497 PANEL 0184 SUFFIX G (PRELIMINARY DATED 12/05/13).
A. THIS BUILDING IS CLASSIFIED "NON-RESIDENTIAL (FOR FLOOD PURPOSES)"
B. THE BUILDING WILL BE DRY-FLOODPROOFED IN COMPLIANCE WITH APPENDIX G (G304.1.2.2)
C. A RESTRICTIVE DECLARATION NOTING THE RESTRICTIONS OF BC G304.1.2.2.2.2.1 - G304.1.2.2.2.2.5 SHALL BE FILED WITH THE CITY REGISTER OR COUNTY CLERK AND THE PAGE NUMBER AND LIBER NUMBER SHALL BE IDENTIFIED IN THE PERMIT APPLICATION AND ON THE CERTIFICATE OF OCCUPANCY. (BC G304.1.2.2.2.2.5)

EARTHQUAKE

148. THIS SITE IS WITHIN SEISMIC DESIGN CATEGORY C AND SHALL BE DESIGNED TO COMPLY WITH SECTIONS BC 1613 - BC 1623.

SEISMIC REINFORCING OF MASONRY WALLS

149. EXTERIOR:
A. PROVIDE #4 VERTICAL REBAR FULL HEIGHT @ EACH OF OPENING, @ ENDS OF WALLS, @ CORNERS & @ 8'-0" O.C. IN CAVITY WALL WITH 6" CONCRETE BLOCK
B. ALL CONCRETE BLOCK RECEIVING REBAR SHALL BE FULLY GROUTED.
C. BOND BEAM ABOVE AND BELOW MASONRY OPENINGS
D. PROVIDE EYE AND PINTLE HORIZONTAL REINFORCING (TRUSS TYPE) EVERY OTHER COURSE. MUST MEET SEISMIC REQUIREMENTS.
E. PROVIDE PREMADE CORNER AND "T'S' FOR HORIZONTAL REINFORCEMENT.
F. PROVIDE HEAD ANCHORS @ 16" O.C. AND AT JAMBS.
G. MASONRY SHALL MEET OR EXCEED ALL REQUIREMENTS OF NYC BUILDING CODE & RS-10.

150. INTERIOR:
A. PROVIDE #4 VERTICAL REBAR FULL HEIGHT @ EACH OF OPENING, @ ENDS OF WALLS, @ INTERSECTION OF WALLS, @ CORNERS & @ 8'-0" O.C. FOR 4" BLOCK WALL & @ 6'-0" O.C. FOR 6" & 8" BLOCK WALLS.
B. ALL CONCRETE BLOCK RECEIVING REBAR SHALL BE FULLY GROUTED.
C. PROVIDE #9 GAUGE DURO-WALL HORIZONTAL REINFORCEMENT @ EVERY OTHER BLOCK COURSE.

LANDMARK

151. ALL BUILDINGS WITHIN 90'-0" OF THIS BUILDING WHICH ARE EITHER LAND MARKED OR IN A LANDMARK DISTRICT WILL BE MONITORED IN COMPLIANCE WITH TPPN 10/88

TABLE 503

152. THIS BUILDING COMPLIES WITH TABLE 503 (BC 503.1) ALLOWABLE HEIGHT AND BUILDING AREAS.

TABLE 1004

153. THIS BUILDING COMPLIES WITH TABLE 1004 (BC 1004.1.2) OCCUPANT LOADS.

TABLE 1005

154. THIS BUILDING COMPLIES WITH TABLE 1005 (BC 1005.1) EGRESS WIDTH PER OCCUPANT.

TABLE 803

155. THIS BUILDING COMPLIES WITH TABLE 803 (BC 803.5) WALL AND CEILING FINISHES.

156. THIS BUILDING COMPLIES WITH SECTION BC F101 RODENT PROOFING REQUIREMENTS FOR DESIGN AND CONSTRUCTION

157. PROVIDE NOTIFICATION TO DOB 24-48 HOURS PRIOR TO COMMENCEMENT OF EARTHWORK AS PER BC 3304.3.1

MULTIPLE DWELLING LAW AND HOUSING MAINTENANCE CODE

1. D26-12.01 PAINTING OF PUBLIC PARTS AND WITHIN DWELLINGS

A) IN THE PUBLIC PARTS OF A MULTIPLE DWELLING, THE OWNER SHALL:
1) PAINT OR COVER THE WALLS AND CEILINGS WITH WALLPAPER OR OTHER ACCEPTABLE WALL COVERING: AND
2) REPAINT OR RE-COVER THE WALLS AND CEILINGS WITH WALLPAPER OR OTHER ACCEPTABLE WALL COVERING WHENEVER NECESSARY IN THE JUDGMENT OF THE DEPARTMENT TO KEEP SUCH SURFACES SANITARY.

B) IN OCCUPIED DWELLING UNITS IN A MULTIPLE DWELLING, THE OWNER SHALL:
1) PAINT OR COVER THE WALLS AND CEILINGS WITH WALLPAPER OR OTHER ACCEPTABLE WALL COVERING: AND
2) REPAINT OR RE-COVER THE WALLS AND CEILINGS WITH WALLPAPER OR OTHER ACCEPTABLE WALL COVERING EVERY THREE YEARS, AND MORE OFTEN WHEN REQUIRED BY CONTRACT OR OTHER PROVISIONS OF LAW.

C) THE DEPARTMENT MAY REQUIRE A TENANT OF A DWELLING UNIT IN A MULTIPLE DWELLING TO REPAINT OR RECOVER THE INTERIOR WALLS AND CEILINGS OF HIS DWELLING UNIT WITH WALLPAPER OR OTHER ACCEPTABLE WALL COVERING IF SUCH WALLS AND CEILING BECOME UNSANITARY AT ANY TIME WITHIN THREE YEARS FROM THE DATE OF THE LAST REFINISHING BY THE OWNER. HOWEVER, IF THE TENANT CAN SHOW, TO THE SATISFACTION OF THE DEPARTMENT THAT THE WALLS AND CEILINGS HAVE BECOME UNSANITARY THROUGH NO ACT OR NEGLECT OF HIS OWN OR OF HIS FAMILY OR GUESTS, THE DEPARTMENT MAY REQUIRE THE OWNER TO REPAINT OR RE-COVER THE SAME. THIS SUBSECTION DOES NOT RELIEVE THE OWNER FROM HIS DUTIES UNDER SUBSECTION (B)(2) OF THIS SECTION.

D) THE OWNER AND TENANT OF ANY DWELLING UNIT IN A MULTIPLE DWELLING MAY, BY VOLUNTARY AGREEMENT, PROVIDE THAT THE OWNER NEED NOT REPAINT IN SUCH UNIT AS REQUIRED BY SUBSECTION (B)(2) OF THIS SECTION FOR SUCH ADDITIONAL PERIOD, NOT TO EXCEED TWO YEARS, AS MAY BE AGREED UPON. SUCH AN AGREEMENT TO EXTEND THE TIME FOR REPAINTING SHALL NOT BE VALID UNLESS IT HAS BEEN ENTERED INTO NOT EARLIER THAN ONE MONTH PRIOR TO THE EXPIRATION OF THE THREE-YEAR PERIOD, AND SHALL NOT FORM PART OF ANY AGREEMENT OF LEASE. THE DEPARTMENT MAY PRESCRIBE THE FORM OF SUCH AGREEMENTS, REQUIRE THEM TO BE FILED, AND MAY MAKE SUCH OTHER REGULATIONS AS MAY BE NECESSARY TO AVOID ABUSE, AND TO FURTHER THE PURPOSE OF THIS ARTICLE. NOT WITHSTANDING ANY AGREEMENT, THE DEPARTMENT MAY, DURING THE PERIOD FOR WHICH REPAINTING IS DEFERRED BY AGREEMENT, ORDER REPAINTING BY THE OWNER IN ANY DWELLING UNIT WHEN DEEMED NECESSARY TO KEEP THE WALLS AND CEILING OF SUCH UNIT SANITARY. THIS SUB-SECTION SHALL NOT AFFECT THE APPLICABILITY OF SUB-SECTION (C) OF THIS SECTION DURING THE THREE YEARS AFTER ANY REPAINTING OR RE-COVERING.

E) NEITHER THE OWNER NOR A TENANT OF A DWELLING UNIT SHALL PLACE WALLPAPER OR WALL COVERINGS UPON A WALL OR CEILING IN THE PUBLIC OR TENANT-OCCUPIED PARTS OF A DWELLING UNLESS EXISTING WALLPAPER OR WALL COVERING IS FIRST REMOVED AND SUCH WALL OR CEILING IS CLEANED ARE REPAIRED. HOWEVER, IF WALLPAPER OR WALL COVERING IS IN GOOD CONDITION, FREE FROM VERMIN AND A COAT OF ACCEPTABLE PAINT OR SIZING IS APPLIED; ONE ADDITIONAL LAYER OF WALLPAPER OR WALL COVERING MAY BE APPLIED.

F) NOTHING CONTAINED IN THIS SECTION SHALL BE DEEMED TO REQUIRE THE OWNER OF A DWELLING TO COVER WITH WALLPAPER OR OTHER ACCEPTABLE COVERING ANY WALL OR CEILING NOT PREVIOUSLY SO COVERED BY HIM. WHEN A WALL OR CEILING OF A DWELLING UNIT HAS BEEN DECORATED WITH PAPER, WOOD PANELING, OR OTHER MATERIAL OVER WHICH PAINT NORMALLY IS NOT APPLIED, THE OWNER SHALL BE RELIEVED OF HIS OBLIGATION TO REPAINT OR RE-COVER SUCH WALL OR CEILING SO LONG AS THE SAME REMAINS IN A SANITARY CONDITION, IN THE JUDGMENT OF THE DEPARTMENT. WHEN THE DEPARTMENT REQUIRES REDECORATION OF SUCH WALL OR CEILING, THE TENANT SHALL REMOVE ANY PAPER, WALL COVERING, WOOD PANELING OR OTHER MATERIAL WHICH HE HIMSELF HAS APPLIED BEFORE THE OWNER IS REQUIRED TO CLEAN AND REPAIR AND REPAINT OR RE-COVER. HOWEVER, IF THE OWNER OR FORMER TENANT HAS APPLIED PAPER, OR WALL COVERING, WOOD PANELING OR OTHER MATERIAL, THE OWNER SHALL BE RESPONSIBLE FOR ITS REMOVAL BEFORE REDECORATION.

G) THE OWNER OF A MULTIPLE DWELLING SHALL KEEP AND MAINTAIN RECORDS RELATING TO THE REFINISHING OF PUBLIC PARTS AND DWELLING UNITS SHOWING WHEN SUCH PARTS WERE LAST PAINTED, PAPERED OR COVERED WITH ACCEPTABLE MATERIAL AND WHO PERFORMED THE WORK. SUCH RECORDS SHALL BE OPEN TO INSPECTION BY THE DEPARTMENT AND SHALL BE SUBMITTED TO THE DEPARTMENT UPON REQUEST.

H) THE OWNER OF A MULTIPLE DWELLING SHALL REMOVE OR COVER IN A MANNER APPROVED BY THE DEPARTMENT ANY PAINT OR OTHER SIMILAR SURFACE- COATING MATERIAL HAVING A READING OF 0.7 MILLIGRAMS OF LEAD PER SQUARE CENTIMETER OR GREATER OR CONTAINING MORE THAN 0.5 PERCENT OF METALLIC LEAD BASED ON THE NON-VOLATILE CONTENT OF THE PAINT OR OTHER SIMILAR SURFACE-COATING MATERIAL ON THE INTERIOR WALLS, CEILINGS, DOORS, WINDOW SILLS OR MOLDINGS IN ANY DWELLING UNIT IN WHICH A CHILD OR CHILDREN SIX (6) YEARS OF AGE OR UNDER RESIDE.

I) IN ANY MULTIPLE DWELLING ERECTED PRIOR TO JANUARY 1, 1960 IN WHICH PAINT OR OTHER SIMILAR SURFACE-COATING MATERIAL IS FOUND TO BE PEELING ON THE INTERIOR WALLS, CEILINGS, DOORS, WINDOW SILLS OR MOLDINGS IN ANY DWELLING UNIT IN WHICH A CHILD OR CHILDREN SIX (6) YEARS OF AGE OR UNDER RESIDE, IT SHALL BE PRESUMED THAT THE PEELING SUBSTANCE CONTAINS MORE THAN 0.5 PERCENT OF METALLIC LEAD BASED ON THE NON- VOLATILE CONTENT OF THE PAINT OR OTHER SIMILAR SURFACE-COATING MATERIAL OR HAVING A READING OF 0.7 MILLIGRAMS OF LEAD PER SQUARE CENTIMETER OR GREATER.

J) THE EXISTENCE OF PAINT OR OTHER SIMILAR SURFACE-COATING MATERIAL HAVING A READING OF 0.7 MILLIGRAMS OF LEAD PER SQUARE CENTIMETER OR GREATER OR CONTAINING MORE THAN 0.5 PERCENT OF METALLIC LEAD BASED ON THE NON- VOLATILE CONTENT OF THE PAINT OR OTHER SIMILAR SURFACE-COATING MATERIAL ON THE INTERIOR WALLS, CEILINGS, DOORS, WINDOW SILLS OR MOLDINGS IN ANY DWELLING UNIT IN A MULTIPLE DWELLING IN WHICH A CHILD OR CHILDREN SIX (6) YEARS OF AGE AND UNDER RESIDE SHALL CONSTITUTE A CLASS C IMMEDIATELY HAZARDOUS VIOLATION AND SUBJECT THE OWNER OF SUCH MULTIPLE DWELLING TO THE PENALTIES OF SUCH VIOLATION PROVIDED IN ARTICLE 51 OF THIS CODE. THE PRESUMPTION ESTABLISHED IN PARAGRAPH 2 ABOVE MAY BE REBUTTED BY THE OWNER OF THE MULTIPLE DWELLING. SUCH PROOF SHALL BE IN FORM AND SUBSTANCE ACCEPTABLE TO THE DEPARTMENT OR A COURT OF COMPETENT JURISDICTION.

K) THE DEPARTMENT SHALL TRANSMIT TO THE DEPARTMENT OF HEALTH A LIST OF VIOLATIONS PLACED PURSUANT TO THIS SECTION, BY PREMISES.

L) THE DEPARTMENT SHALL ESTABLISH PROCEDURES FOR THE ENFORCEMENT OF THIS SUBDIVISION.

2. D26-13.03 RODENT AND INSECT ERADICATION: MANDATORY EXTERMINATION

A) THE OWNER OR OCCUPANT IN CONTROL OF A DWELLING SHALL KEEP THE PREMISES FREE FROM RODENTS, AND FROM INFESTATIONS OF INSECTS AND OTHER PESTS, AND FROM ANY CONDITION CONDUCIVE TO RODENT OR INSECT AND OTHER PEST LIFE.

B) WHEN ANY PREMISES IS SUBJECT TO INFESTATION BY RODENTS OR INSECTS AND OTHER PESTS, THE OWNER OR OCCUPANT IN CONTROL SHALL APPLY CONTINUOUS ERADICATION MEASURES.

C) WHEN THE DEPARTMENT MAKES THE DETERMINATION THAT ANY PREMISES ARE INFESTED BY RODENTS, INSECTS OR OTHER PESTS, IT MAY ORDER SUCH ERADICATION MEASURES AS THE DEPARTMENT DEEMS NECESSARY.

3. D26-13.05 ELIMINATION OF HARBORAGES

A) ALL BUILDING MATERIAL, LUMBER, BOXES, CARTONS, BARRELS, CONTAINERS, MACHINERY, RAW MATERIAL, FABRICATED GOODS, JUNK, FOOD, ANIMAL FEED AND ANY OTHER SUBSTANCES WHICH MAY AFFORD HARBORAGE OR PROVIDE FOOD FOR SUCH RODENTS OR INSECTS AND OTHER PESTS SHALL BE KEPT STORED OR HANDLED BY THE OWNER AND TENANTS OF EVERY DWELLING IN SUCH MANNER AS THE DEPARTMENT MAY REQUIRE. THE DEPARTMENT MAY MAKE ORDERS TO ELIMINATE RAT HARBORAGE TO THE PERSON WHO IS RESPONSIBLE FOR THE CONDITIONS. THE DEPARTMENT SHALL UNCOVER AND INSPECT PERIODICALLY ALL STRUCTURAL HARBORAGES WHICH CANNOT BE ELIMINATED FROM DWELLINGS.

4. D26-14.01 DEFINITIONS

1) WHEN USED IN THIS ARTICLE:
(a)ORGANIC WASTES SHALL MEAN ALL WASTES PRODUCED BY OR FROM LIVING ORGANISMS.
(b)INORGANIC WASTES SHALL MEAN ALL WASTES OTHER THAN ORGANIC WASTES, INCLUDING DISCARDED LUMBER, WOOD SHAVINGS AND FURNITURE.
(c)HOUSEHOLD WASTES SHALL MEAN ALL WASTES, ORGANIC AND INORGANIC, WHICH ARE PRODUCED WITHIN A DWELLING UNIT.

5. D26-14.03 RECEPTACLES FOR WASTE MATTER

A) NEWSPAPERS, WRAPPING PAPER, OR OTHER INORGANIC WASTES WHICH ARE LIKELY TO BE BLOWN OR SCATTERED ABOUT THE STREETS SHALL BE SECURELY BUNDLED, TIED REPACKED BEFORE BEING PLACED FOR COLLECTION. SUCH MATERIALS SHALL BE KEPT AND PLACED FOR COLLECTION IN THE SAME MANNER AS THE RECEPTACLES.

6. D26-14.05 FREQUENCY OF COLLECTION WASTE MATTER FROM DWELLING UNITS IN MULTIPLE DWELLINGS

A) THE OWNER OF A MULTIPLE DWELLING SHALL NOT ALLOW THE ACCUMULATION EXCEPT IN A LAWFUL RECEPTACLE OF ASHES OR ANY TYPE OF WASTE MATTER IN ANY PART OF THE PREMISES.

B) IN MULTIPLE DWELLINGS WHERE THE OWNER PROVIDES DUMBWAITER SERVICE, ALL WASTE MATTER SHALL BE COLLECTED AT LEAST ONCE DAILY AND DEPOSITED IN SEPARATE RECEPTACLES.

C) IN MULTIPLE DWELLINGS WHERE NO DUMBWAITER SERVICE IS PROVIDED, THE OWNER SHALL PROVIDE BETWEEN THE HOURS OF SEVEN A.M. AND TEN A.M. OR BETWEEN FIVE P.M. AND EIGHT P.M. DAILY:
(a)A SUFFICIENT NUMBER OF RECEPTACLES BUT IN NO EVENT LESS THAN TWO WITHIN THE DWELLING OR OTHER AREA APPROVED BY THE DEPARTMENT WHICH ARE ACCESSIBLE TO THE TENANTS. SUCH RECEPTACLES SHALL BE REMOVED PROMPTLY UPON THE EXPIRATION OF THE SELECTED TIME PERIOD AND TAKEN TO THEIR PLACE OF STORAGE: OR
(b)A PICK-UP SERVICE AT EACH DWELLING UNIT TO COLLECT ASHES AND WASTES FOR DEPOSIT IN THE RECEPTACLES REFERRED TO IN SECTION 26-14.03 OF THIS ARTICLE. THE OWNER SHALL POST AND MAINTAIN A NOTICE IN A CONSPICUOUS PLACE IN THE DWELLING INFORMING THE TENANTS OF THE HOUR AND METHOD OF COLLECTION. A NEW NOTICE SHALL BE POSTED AND MAINTAINED WITHIN 48 HOURS PRECEDING ANY CHANGE IN SUCH HOUR OR METHOD.

D) THE TENANT OF A MULTIPLE DWELLING SHALL DISPOSE OF WASTE MATTER IN ACCORDANCE WITH THE METHOD PROVIDED BY THE OWNER UNDER SUBSECTION (B) OR (C) OF THIS SECTION. THE TENANT SHALL NOT ACCUMULATE ANY WASTE MATTER IN HIS DWELLING UNIT SO AS TO CREATE A CONDITION WHICH IS UNSANITARY OR A FIRE HAZARD IN THE JUDGMENT OF THE DEPARTMENT.

E) SUBSECTIONS (B), (C), AND (D) SHALL NOT APPLY TO ANY MULTIPLE DWELLING WHERE REGULAR COMPACTOR SERVICES OR OTHER MEANS OF DISPOSAL APPROVED BY THE DEPARTMENT ARE PROVIDED. THE TENANT IN SUCH A DWELLING SHALL DISPOSE OF WASTE MATTER IN A COMPACTOR OR BY SUCH OTHER APPROVED MEANS OF DISPOSAL AND SHALL NOT PERMIT WASTES TO ACCUMULATE SO AS TO CREATE A CONDITION WHICH IS UNSANITARY OR A FIRE HAZARD IN THE JUDGMENT OF THE DEPARTMENT.

7. D26-16.03 DRAINAGE OF ROOFS AND COURT YARDS

A) THE OWNER OF A DWELLING SHALL GRADE AND MAINTAIN THE GRADING OF ALL ROOFS, TERRACES, SHAFTS, COURTS, YARDS, AND OTHER OPEN SPACES ON THE LOT, AND SHALL PROVIDE AND MAINTAIN UNOBSTRUCTED DRAINAGE FROM THESE AREAS AND SPACES THROUGH A DRAIN CONNECTED TO A STREET STORM-WATER MAIN OR COMBINED SEWER AND STREET STORM-WATER MAIN, THE DEPARTMENT MAY PERMIT THE STORM WATER FROM SUCH AREAS TO DRAIN INTO A STREET GUTTER LEADING TO A NATURAL CHANNEL, WATER COURSE, OR DRY WELL.

B) THE OWNER OF A DWELLING SHALL PROVIDE AND MAINTAIN DRAINAGE FROM ALL ROOFS TO CARRY OFF STORM WATER, TO PREVENT IT FROM DRIPPING TO THE GROUND, OR FROM CAUSING DAMPNESS IN WALLS, CEILINGS, AND OPEN SPACES.

C) THE DEPARTMENT MAY REQUIRE THE OWNER OF A DWELLING TO SURFACE SHAFTS, COURTS, YARDS AND OTHER OPEN SPACES ON THE LOT WITH CONCRETE, AND TO PITCH THE SURFACES OF SUCH AREAS TOWARDS A SEWER-CONNECTED DRAIN OR OTHER ADEQUATE DRAINAGE SYSTEM, EXCEPT THAT, WITH RESPECT TO PRIVATE DWELLINGS, THE DEPARTMENT MAY PERMIT THE SURFACING OF SUCH AREAS WITH BITUMINOUS AGGREGATE OR OTHER SIMILAR MATERIAL.

D) THE OWNER OF A DWELLING MAY PLANT GRASS, SOD, SHRUBS, TREES AND OTHER VEGETATION IN YARDS AND COURTS, UNLESS THE DEPARTMENT ORDERS ITS REMOVAL BECAUSE IN ITS OPINION SUCH VEGETATION INTERFERES WITH PROPER DRAINAGE, LIGHT, VENTILATION, OR EGRESS.

8. D26-19.03 DUTY TO PROVIDE ELECTRIC LIGHTING EQUIPMENT IN ALL DWELLINGS

A) THE OWNER SHALL EQUIP EVERY DWELLING FOR LIGHTING BY ELECTRICITY. HE SHALL PROVIDE AND MAINTAIN LIGHT FIXTURES TO PROVIDE LIGHTING FOR ALL PUBLIC PARTS IN A DWELLING, INCLUDING THE MEANS OF EGRESS, FOR EVERY ROOM, WATER-CLOSET COMPARTMENT AND BATHROOM IN EVERY DWELLING UNIT, AND FOR EVERY FIXTURE, THE OWNER SHALL INSTALL AND MAINTAIN SUCH RECEPTACLE OUTLETS AS MAY BE REQUIRED BY THE ELECTRICAL CODE. EXCEPT AS OTHERWISE PROVIDED IN THIS CODE OR IN THE ELECTRICAL CODE, THE OWNER MAY SUBSTITUTE AN ADDITIONAL RECEPTACLE OUTLET FOR A REQUIRED LIGHT FIXTURE IN LIVING ROOMS OTHER THAN KITCHENS.

9. D26-19.03 ELECTRIC LIGHTING FIXTURES IN CERTAIN PUBLIC PARTS OF DWELLINGS FIXTURES AND LIGHTS REQUIRED

A) IN EVERY MULTIPLE DWELLING AND TENANT-OCCUPIED TWO-FAMILY DWELLING THE OWNER SHALL PROVIDE ELECTRIC LIGHTING FIXTURES FOR EVERY PUBLIC HALL, STAIR, FIRE-STAIR AND FIRE-TOWER ON EVERY FLOOR, IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
(a)IF AN INCANDESCENT LIGHTING FIXTURE IS PROVIDED, IT SHALL BE CAPABLE OF PROVIDING ILLUMINATION OF AT LEAST TEN WATTS PER 25 SQUARE FEET OF FLOOR-AREA OR FRACTION THEREOF. EACH LIGHTING FIXTURE SHALL BE PROVIDED WITH ONE OR MORE LIGHTS OF A TOTAL OF NOT LESS THAN 60 WATTS. WHERE, UNDER THIS REQUIREMENT, THE NUMBER OF WATTS PER FIXTURE WOULD EXCEED 100, ONE OR MORE ADDITIONAL FIXTURES SHALL BE PROVIDED AND SHALL BE LOCATED AS MAY BE PRESCRIBED BY THE DEPARTMENT, EXCEPT WHERE THE DISTANCE FROM THE FIXTURE TO THE FARTHEST INTERSECTING WALL DOES NOT EXCEED 20 FEET.
(b)IF A FLUORESCENT LIGHTING FIXTURE IS PROVIDED, IT SHALL BE CAPABLE OF PROVIDING ILLUMINATION OF AT LEAST FOUR WATTS COOL WHITE FLUORESCENT LIGHT PER 25 SQUARE FEET OF FLOOR- AREA OR FRACTION THEREOF. EACH LIGHTING FIXTURE SHALL BE PROVIDED WITH ONE OR MORE LIGHTS OF A TOTAL OF NOT LESS THAN 20 WATTS. WHERE, UNDER THIS REQUIREMENT, THE NUMBER OF WATTS PER FIXTURE WOULD EXCEED 40, ONE OR MORE ADDITIONAL FIXTURES SHALL BE PROVIDED AND SHALL BE LOCATED AS MAY BE PRESCRIBED BY THE DEPARTMENT EXCEPT WHERE THE DISTANCE FROM THE FIXTURE TO THE FARTHEST INTERSECTING WALL DOES NOT EXCEED 20 FEET.
(c)IN EVERY MULTIPLE DWELLING HEREAFTER ERECTED, IN ADDITION TO OTHER LIGHTING REQUIREMENTS, A SUFFICIENT NUMBER OF INCANDESCENT OR FLUORESCENT FIXTURES SHALL BE PROVIDED SO THAT THE DISTANCE BETWEEN FIXTURES IS NOT MORE THAN 30 FEET AND SO THAT NO WALL IS MORE THAN 15 FEET DISTANT FROM A FIXTURE.

B) NOTWITHSTANDING ANY OTHER REQUIREMENT OF THIS SECTION. THE DEPARTMENT MAY REQUIRE FIXTURES TO BE SO LOCATED, AND ADDITIONAL FIXTURES TO BE INSTALLED, IN ORDER TO ASSURE THAT EVERY PART OF EVERY PUBLIC HALL, STAIR, FIRE-STAIR OR FIRE TOWER IS ADEQUATELY LIGHTED.

10. D26-19.05 LIGHTING TO BE PROVIDED AT NIGHT: OWNER'S RESPONSIBILITY

A) THE OWNER OF A MULTIPLE DWELLING SHALL TURN ON ALL REQUIRED LIGHTS IN EVERY PUBLIC HALL AND STAIR AT SUNSET EVERY DAY AND KEEP THEM ON UNTIL SUNRISE THE DAY FOLLOWING.

B) THE OWNER OF A MULTIPLE DWELLING SHALL KEEP ALL REQUIRED LIGHTS BURNING CONTINUOUSLY:
(a)IN EVERY FIRE-STAIR AND FIRE TOWER;
(b)IN EVERY STAIR AND PUBLIC HALL WHERE THERE IS NO WINDOW OPENING ON A STREET, COURT, YARD, SPACE ABOVE A SETBACK, OR ON A SHAFT; AND
(c)IN EVERY STAIR AND PUBLIC HALL WHERE THERE IS A WINDOW WHICH IS IN THE OPINION OF THE DEPARTMENT DOES NOT PROVIDE ADEQUATE NATURAL LIGHT.

C) THE OWNER OF THE MULTIPLE DWELLING SHALL PROVIDE ELECTRIC LIGHT AT ALL HOURS OF THE DAY AND NIGHT IN ROOMS OR SPACES IN MULTIPLE DWELLINGS IN WHICH LAUNDRY EQUIPMENT IS PROVIDED FOR THE COMMON USE OF THE OCCUPANTS WHENEVER NATURAL LIGHT IS INSUFFICIENT IN THE OPINION OF THE DEPARTMENT.

D) THE OWNER OF A MULTIPLE DWELLING SHALL INSTALL AND MAINTAIN IN WORKING CONDITION A LIGHTING FIXTURE THAT CAN BE TURNED ON BY A TENANT OR BY THE MAIL CARRIER DIRECTLY OVER A MAIL BOX OR OTHER RECEPTACLE FOR MAIL IF THE NATURAL LIGHT IN THE PUBLIC HALLS IS NOT SUFFICIENT TO READ THE NAME ON EACH MAIL BOX OR RECEPTACLE.

E) THE OWNER OF A MULTIPLE DWELLING SHALL NOT BE RESPONSIBLE IF ANY REQUIRED LIGHT BECOMES EXTINGUISHED AND REMAINS SO IF HE CAN SHOW TO THE SATISFACTION OF THE DEPARTMENT OR COURT THAT IT BECAME AND REMAINED EXTINGUISHED WITHOUT HIS KNOWLEDGE OR CONSENT.

11. D26-19.07 LIGHTS NEAR ENTRANCE WAYS AND IN YARDS AND COURTS OF MULTIPLE DWELLINGS

A) THE OWNER OF A MULTIPLE DWELLING SHALL INSTALL AND MAINTAIN ONE OR MORE LIGHTS AT OR NEAR THE OUTSIDE OF THE FRONT ENTRANCE WAY OF THE BUILDING WHICH SHALL IN THE AGGREGATE PROVIDE NOT LESS THAN 50 WATTS INCANDESCENT ILLUMINATION OR ITS EQUIVALENT FOR A BUILDING WITH A FRONTAGE IN EXCESS OF 22 FEET. IN THE CASE OF A MULTIPLE DWELLING WITH A FRONTAGE IN EXCESS OF 22 FEET AND FRONT ENTRANCE DOORS WITH A COMBINED WIDTH IN EXCESS OF FIVE (5) FEET, THE OWNER SHALL INSTALL AT LEAST TWO LIGHTS, ONE ON EACH SIDE OF THE ENTRANCE WAY, WITH AN AGGREGATE ILLUMINATION OF 150 WATTS INCANDESCENT ILLUMINATION OR ITS EQUIVALENT. IF THE MINIMUM LEVEL OF ILLUMINATION IS MAINTAINED, THE OWNER MAY DETERMINE DETAILS OF LOCATION, DESIGN AND INSTALLATION OF LIGHTING FIXTURES, SUBJECT, HOWEVER, TO REGULATIONS OF THE DEPARTMENT WITH RESPECT TO THE MINIMUM HEIGHT ABOVE OR DISTANCE FRO

DEPT OF BLDGS 321323120 Job Number
B2609739503 Scan Code

ABBREVIATIONS

A/C (A.C.)	SLEEVES & AIR CONDITIONER UNIT
ACT	ACOUSTIC TILE CEILING
AD	AREA DRAIN
A.F.F.	ABOVE FINISH FLOOR
A.N.	AS NOTED
A.P.	APARTMENT ELECTRIC PANEL
A.S.	ALUMINUM SADDLE
ABV	ABOVE
ADJ	ADJACENT
ADJUST	ADJUSTABLE
ALUM	ALUMINUM
APT	APARTMENT
@	AT
B	BATH
B.C.	BRICK COURSES
B.CAB.	BASE CABINET
BF	BOILER FLUE
BR	BEDROOM
B.S.A.	BOARD OF STANDARDS AND APPEALS
BT	BATH TUB
BD.	BOARD
BTWN	BETWEEN
BLDG	BUILDING
BM	BEAM
BOTT	BOTTOM
BR	BRICK
BX (BV)	BATH VENT
BKFT	BREAKFAST ROOM
BOC	BOTTOM OF CURB
C.E.	COMBINATION ELEVATOR
C.J.	CONTROL (CONSTRUCTION) JOINT
C.L.L.	CONTRACT LIMIT LINE
C.O.	CLEAN OUT
C.R.	CEILING REGISTER
C.S.	CAST STONE
C.T.	CERAMIC TILE
CW	COLD WATER
CAB	CABINET
CL	CLOSET
CLG	CEILING
COL	COLUMN
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CHW	CHILLED WATER
CONT	CONTINUOUS
CONV	CONVECTOR
CORR	CORRIDOR
CPT	CARPET
DA	DINING AREA (ALCOVE)
DR	DINING ROOM
DX (DV)	DRYER EXHAUST (VENT)
DL	DOUBLE LAYER
DU	DWELLING UNIT
DW	DISHWASHER
DET	DETAIL(S)
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIR	DIRECTIONAL
DIV	DIVIDER
DN	DOWN
DR	DRAIN
DWG	DRAWING
D	DRYER (CLOTHES)
E.C.	EXPOSED CONCRETE
E.G.	ESTABLISHED GRADE
E.H.	ELECTRIC HEATER
E.J.	EXPANSION JOINT
E.L.	EXIT LIGHT & SIGN
EL	ELEVATION LEVEL
ELEC	ELECTRIC
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EXP	EXPANSION
EXT	EXTERIOR
E.O.S.	EDGE OF SLAB
F	FOYER
FAI	FRESH AIR INTAKE
FB	FACE BRICK
FE	FIRE EXTINGUISHER
FH	FULL HEIGHT
FHM	FLUSH HOLLOW METAL
FO	FINISH OPENING
FP	FIREPROOF
F.S.P.	FIRE STANDPIPE
FPSC	FIREPROOF SELF-CLOSING
FDN	FOUNDATION
FIN	FINISH(ED)
FIN.FL.	FINISH FLOOR
FIXT	FIXTURE
FL	FLOOR
F.D.	FLOOR DRAIN
FLASH'G	FLASHING
FR	FIRE RATING
GB	GRAB BAR
GWBD	GYPSUM WALLBOARD (DRYWALL CONSTRUCTION)
GA	GAUGE
GALV	GALVANIZED
GEN	GENERAL
GL	GLASS
GR	GRADE
GYP	GYPSUM
H (HT)	HIGH OR HEIGHT
H.B.	HOSE BIB
H.C.	HUNG CEILING
H.M.	HOLLOW METAL
H.P.	HIGH POINT
H.R.	HAND RAIL
H.V.A.C.	HEATING, VENTILLATION & AIR CONDITIONING
H.W.	HOT WATER
HP	HEAT PUMP UNIT
HMC	HOUSING MAINTENANCE CODE
ID	INSIDE DIAMETER
INCL	INCLUDING
INSUL	INSULATION
INT	INTERIOR
JAN.CL.	JANITOR CLOSET
JT	JOINT
K	KITCHEN
KTTE	KITCHENETTE
KX (KV)	KITCHENETTE VENT (DUCT)
L.L.W.	LOT LINE WINDOW
L.C.	LINEN CLOSET
L.D.	LOUVER DOOR
LDRY.	LAUNDRY
LIB	LIBRARY
L.P.	LOW POINT
LR	LIVING ROOM
LAM	LAMINATED
LAV	LAVATORY
LDR	LEADER
LT.WT.	LIGHTWEIGHT
MB	MASTER BATHROOM
MBR	MASTER BEDROOM
M.C.	MEDICINE CABINET
M.CL.	METER CLOSET
M.D.L.	MULTIPLE DWELLING LAW
M.E.A.	MATERIAL & EQUIPMENT ACCEPTANCE DIVISION
MECH	MECHANICAL
M.L.	METAL LINED
M.O.	MASONRY OPENING
M.S.	MARBLE SADDLE
M.W.	MEMBRANE WATERPROOFING
MAINT	MAINTENANCE
MAS.	MASON
MET. & GL.	METAL & GLASS
MIN	MINIMUM
MISC	MISCELLANEOUS
MAX	MAXIMUM
MP	MIDPOINT
MEP	MECHANICAL,ELECTRICAL, PLUMBING & SPRINKLER
MIR	MIRROR
N.C.	NON-CORROSIVE
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NO. (#)	NUMBER
NOM	NOMINAL
O.C.	ON CENTER
O.CAB.	OPEN CABINET
O.D.	OUTSIDE DIAMETER
O.F.	OVERFLOW
O.H.	OPPOSITE HAND
O.S.	OPEN SHELVES
OPG.	OPENING
OPP.	OPPOSITE
P. (PT.)	PAINT
P.D.	PUMP DISCHARGE
P.L.	PROPERTY LINE
P.H.	PUBLIC HALL
PR	POWDER ROOM
PCV (CX)	PUBLIC CORRIDOR VENT DUCT
PART	PARTITION
PL.	PLATE
PVC	POLYVINYL CHLORIDE
POL.	POLISHED
PLAM	PLASTIC LAMINATE
Q.T.	QUARRY TILE
R	RANGE
R.D.	ROOF DRAIN
R.H.	RANGE HOOD
R.W.	RETAINING WALL
RAD	RADIATOR
REC	RECESSED
REF	REFRIGERATOR
REG	REGISTER
RESIL.	RESILIENT
RM	ROOM
R.C.	REFUSE CHUTE
REQ'D	REQUIRED
S	SINK
SA	SLEEPING AREA
SAD	SMOKE ACTIVATED DOOR
S.CL.	SERVICE CLOSET
S.E.	SERVICE ELEVATOR
S.F.	SQUARE FEET
S.H.	SERVICE HALL
S.M.	SURFACE MOUNTED
S.O.	SLAB OPENING
S.S.	SLOP SINK
S.T.C.	SOUND TRANSMISSION CLASS
SV	SERVICE VENT (DUCT)
SEP	SEPARATE
SH	SHOWER
SPR	SPRINKLER
ST. (STL.)	STEEL
ST.S.	STEEL SADDLE
SS	STAINLESS STEEL
STAT	STATIONARY
STOR	STORAGE
SW	SHEAR WALL
T	TUB
T.B.	TOWEL BAR
T.C.	TOP OF COPING
T.O.	TRIMMED OPENING
T.O.C.	TOP OF CURB
T.O.S.	TOP OF CONCRETE SLAB OR PLANK
TOFF	TOP OF FINISHED FLOOR
T.R.	TOP REGISTER
TX (TV)	TOILET VENT (DUCT)
T.W. (T.O.W.)	TOP OF WALL
TEMP.	TEMPERED
TERR	TERRAZZO
TH	THICK
TV	TELEVISION
TYP	TYPICAL
U. (URN.)	URINAL
U.C.	UNDER CUT
UC	UNDER COUNTER
U.O.N.	UNLESS OTHERWISE NOTED
V.C.B.	VINYL COVE BASE
V.C.J.	VERTICAL CONTROL JOINT
V.C.T.	VINYL COMPOSITION TILE
V.P.	VISION PANEL
V.T.	VINYL TILE
VENT	VENTILATION
VEST	VESTIBULE
W/	WITH
W/O	WITH OUT
W/D	WASHER/DRYER
W.C.	WATER CLOSET
W.CAB.	WALL CABINET
W.D.	WINDOW DIMENSION
W.GL.	WIRE GLASS
W.I.C.	WALK-IN CLOSET
W	WASHING MACHINE
W.P.	WATERPROOF
W.R.	WATER RESISTANT
WRGWB	WATER RESISTANT GYPSUM BOARD
W.S.	WEATHER STRIP
W.T.	WOMEN'S TOILET
WD	WOOD
W.H.	WEEP HOLE

BATHROOM & KITCHEN APPLIANCES

DW	DISHWASHER
MW	MICROWAVE OVEN
R	RANGE
CO	CONVECTION OVEN
REF	REFRIGERATOR
WINE	WINE CHILLER
CT	COOK TOP
WO	WALL OVEN
W/D	WASHER/DRYER
W	CLOTHES WASHER
D	CLOTHES DRYER

STANDARDS AND TESTING AGENCIES

ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
ACI	AMERICAN CONCRETE INSTITUTE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
UL	UNDERWRITERS LABORATORY
ASTM	ASTM INTERNATIONAL (FKA AMERICAN SOCIETY FOR TESTING AND MATERIALS)
FM	FM GLOBAL (FKA FACTORY MUTUALS)
BHMA	BUILDERS HARDWARE MANUFACTURERS ASSOCIATION
DOB	DEPARTMENT OF BUILDINGS
BC	2008 NEW YORK CITY BUILDING CODE
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS

SYMBOLS

1 — ATTORNEY GENERAL APARTMENT NUMBERING

A 1 BR 00000 SF — APARTMENT IDENTIFICATION

1 / 18 □ — COLUMN NUMBER, COLUMN SIZE

M.L. / TX / 1 / 12 X 12 S.O. — METAL LINED, DUCT TYPE (TOILET, KITCHEN, DRYER, ETC), DUCT RISER NUMBER, SLAB OPENING SIZE

A — DOOR TYPE (SEE SCHEDULE)

1 — WINDOW TYPE (SEE SCHEDULE)

1 — PARTITION TYPE (SEE SCHEDULE)

BULLS-EYE (AT DATUM ONLY)

A-2 — ELEVATION & SHEET NUMBER

A-2 — SECTION & SHEET NUMBER

E.G.E. 1.0 — EXISTING GRADE ELEVATION

F.G.E. 1.0 — FINISH GRADE ELEVATION

REVERSIBLE DOOR SWING FOR COMPLIANCE WITH NYC BC CHAPTER 11

LEGEND

GYPSUM BOARD

GYPSUM BOARD SHAFT WALL

STEEL

ALUMINUM

FINISH WOOD

SOLID WOOD (BLOCKING)

PLYWOOD

BATT INSULATION

RIGID INSULATION

GLASS

EARTH

POROUS FILL

CONCRETE

BRICK

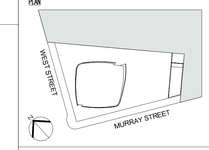
CONCRETE BLOCK

GLAZED CONC. BLOCK

TERRAZZO

MARBLE

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
PROJECT SYMBOLES AND ABBREV.

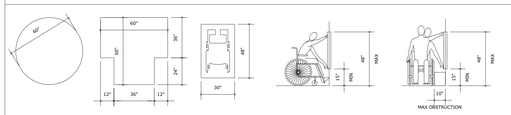
SEAL & SIGNATURE:
REGISTERED ARCHITECT STEPHEN T. HILL 029004 STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/2" = 1'-0"
G-004.00
DWG NO.

DEPT OF BLDGS 123123123 Job Number
E1619414650 Scan Code

ACCESSIBLE REQUIREMENTS

NOTE: ALL REFERENCES TO FIGURE NUMBER REFER TO ANSI 117.1-2003; ALL DIMENSIONS SHOWN ARE MINIMUM PERMITTED UNLESS NOTED OTHERWISE.



(A) FIGURE 304.3(a) CIRCULAR TURNING SPACE
(B) FIGURE 304.3 (b) T-SHAPED TURNING SPACE
(C) FIGURE 305.3 CLEAR FLOOR SPACE
(A) FIGURE 308.2.1 FORWARD REACH
(B) FIGURE 308.3.1 SIDE REACH
(A) FIGURE 308.2.2(a) FORWARD REACH
(B) FIGURE 308.2.2(b) FORWARD REACH
(A) FIGURE 308.3.2(a) SIDE REACH
(B) FIGURE 308.3.2(b) SIDE REACH
(A) FIGURE 307.2 LIMITS OF PROTRUDING OBJECTS
(B) PROTRUDING OBJECTS LESS THAN 27" ABOVE WALKING SURFACE
WALL ELECTRICAL OUTLET
LIGHT SWITCH
LIGHT SWITCH OR TOILET PAPER IN KITCHEN OR BATHROOM CABINETS

1 TURNING & CLEAR FLOOR SPACE
NTS

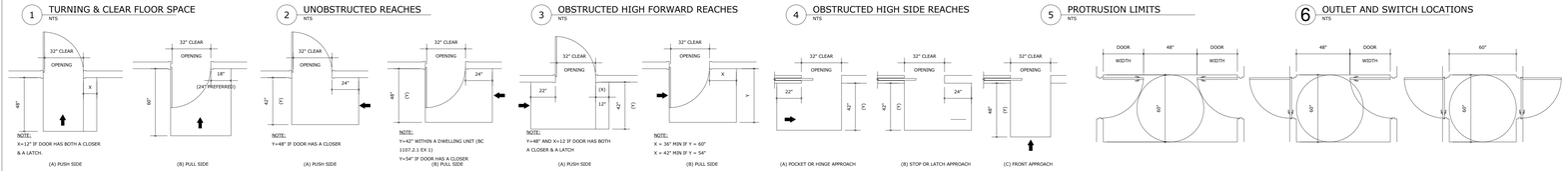
2 UNOBSTRUCTED REACHES
NTS

3 OBSTRUCTED HIGH FORWARD REACHES
NTS

4 OBSTRUCTED HIGH SIDE REACHES
NTS

5 PROTRUSION LIMITS
NTS

6 OUTLET AND SWITCH LOCATIONS
NTS



(A) PUSH SIDE (B) PULL SIDE
(A) PUSH SIDE
(A) PUSH SIDE (B) PULL SIDE
(A) POCKET OR HINGE APPROACH
(B) STOP OR LATCH APPROACH
(C) FRONT APPROACH

7 SWING DOOR - FRONTAL APPROACH
NTS

8 SWING DOOR - LATCH SIDE APPROACH
NTS

9 SWING DOOR - HINGE SIDE APPROACH
NTS

10 MANEUVERING AT SLIDING AND FOLDING DOORS
NTS

11 SWING DOORS IN SERIES
NTS

12 FLOOR MOUNTED HANDRAIL DETAIL
NTS

15 EDGE PROTECTION AND HANDRAIL EXTENSIONS
NTS

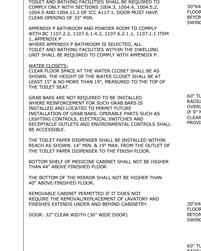
13 WALL HANDRAIL DETAIL
NTS

16 CHANGES IN LEVEL
NTS

14 VERTICAL GUARD RAIL
NTS

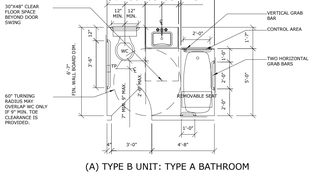
RAMPS
1. THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION SHALL BE 1:12 THE MAXIMUM RISE OF ANY SLOPE SHALL BE 12"
2. THE CLEAR WIDTH (BETWEEN HANDRAILS) SHALL BE 36"
3. LANDINGS SHALL BE PROVIDED AT THE TOP AND BOTTOM OF EACH RUN SHALL BE AT LEAST AS WIDE AS THE WIDEST PART OF THE RAMP AND THE LENGTH SHALL BE 60" CLEAR
4. DIRECTION CHANGES AT LANDINGS SHALL HAVE A MINIMUM SIZE OF 60"X 60"
5. IF A DOORWAY IS LOCATED AT A LANDING, THEN THE AREA IN FRONT OF THE DOORWAY SHALL COMPLY WITH 4.13.6

HANDRAILS
1. PROVIDE HANDRAILS ON BOTH SIDES OF RAMP SEGMENTS
2. THE CLEAR SPACE BETWEEN THE HANDRAIL AND THE WALL SHALL BE 1-1/2"
3. THE DIAMETER OR WIDTH SHALL BE 1-1/4" OR 1-1/2" DIAMETER
4. THE TOP OF THE GRIPPING SURFACE SHALL BE MOUNTED BETWEEN 30" AND 34" ABOVE THE RAMP SURFACE



NOTE:
THE AUTOMATIC DOOR REOPENING DEVICE IS ACTIVATED IF AN OBJECT PASSES THROUGH EITHER LINE A OR LINE B. LINE A & B REPRESENT THE VERTICAL LOCATIONS OF THE DOOR REOPENING DEVICE NOT REQUIRING CONTACT.

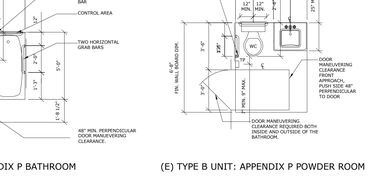
17 ELEVATOR ENTRANCE
NTS



(A) SIDE OPENING DOOR (B) CENTER OPENING DOOR
(A) CAR CONTROL DETAIL (B) CAR CONTROL PANEL LOCATION ELEVATION

18 MIN ELEVATOR CAR DIMENSIONS & CONTROL LOCATIONS
NTS

19 CONTROL PANEL DETAILS
NTS



(A) C26-608.2 ELEVATOR LANDING SIGN
(B) SIGNAGE

20 ELEVATOR AND STAIR SIGNAGE
NTS

NOTE: GRAB BAR LOCATIONS AND WALL MOUNTED SEAT LOCATIONS INDICATED ARE TO CENTERLINE OF GRAB BAR. WALLS SHALL BE REINFORCED AT LOCATIONS TO SECURE GRAB BARS / SEATS AT LOCATIONS INDICATED. REINFORCEMENT SHALL EXTEND FROM STUD TO STUD. IF LOCATION OF GRAB BAR / SEAT REINFORCEMENT FALLS BETWEEN TWO STUDS THE CONTRACTOR SHALL FURNISH REINFORCEMENT PLATES OF SUFFICIENT LENGTH TO CONTINUE TO NEXT STUD AND SECURELY ATTACH TO SUCH.

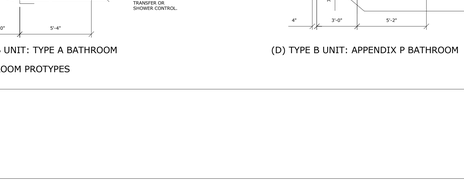
GRAB BARS AND SEATS WILL NOT BE PROVIDED UNLESS SPECIFICALLY NOTED OTHERWISE.

21 GRAB BAR ACHORING PLATE DETAILS
NTS

(A) PARALLEL APPROACH (B) FORWARD APPROACH

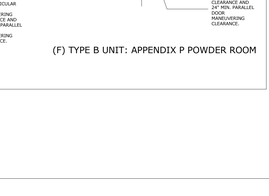
22 WC CLEARANCES (BC APPENDIX P)
NTS

(C) PARALLEL AND FORWARD APPROACH



(A) PREFERRED GRAB BAR LOCATIONS
(B) AT LOCATIONS WITHOUT SIDE WALL TO ACCOMMODATE GRAB BAR
(C) WC SIDE ELEVATION

23 WC GRAB BAR LOCATIONS (BC APPENDIX P)
NTS



(A) PLAN AT LAVATORY (B) ELEVATION OF KNEE AND TOE SPACE REQUIRED

24 LAVATORY CLEARANCES (BC APPENDIX P)
NTS

25 BATHTUB CLEARANCES REMOVABLE SEAT (BC APPENDIX P)
NTS

26 BATHTUB CLEARANCES PERMANENT SEAT (BC APPENDIX P)
NTS

(A) PLAN AT SHOWER

27 TRANSFER TYPE SHOWER (BC APPENDIX P)
NTS

(A) PLAN AT SHOWER

28 ROLL-IN TYPE SHOWER (BC APPENDIX P)
NTS

(A) PLAN AT SHOWER (B) SHOWER END WALL ELEVATION (C) SHOWER BACK WALL ELEVATION

29 ALTERNATE ROLL-IN TYPE SHOWER (BC APPENDIX P)
NTS

ADAPTABLE REQUIREMENTS

GENERAL:
PROTOTYPES BATHROOM DESIGNS FOR R-2
OCUPANCIES TYPE B UNIT:
THESE UNITS SHALL COMPLY WITH BC 1107.2.2 EXCEPTION, 1107.6.1.4.2, 1107.6.2.1.1, 1107.6.2.1.1, 1107.7.1.1 ITEM 1
WHERE ONE TYPE A BATHROOM IS PROVIDED, REMAINING TOILET AND BATHING FACILITIES SHALL BE REQUIRED TO COMPLY WITH APPENDIX P. WHERE APPENDIX P BATHROOM IS 1004.9 AND 1004.11.2 OF ICC A117.1, DOOR MUST HAVE CLEAR OPENING OF 33" MIN.

APPENDIX P BATHROOM AND POWDER ROOM TO COMPLY WITH BC 1107.2.2, 1107.6.1.4.2, 1107.6.2.1.1, 1107.1.1 ITEM 1, APPENDIX P.
WHERE APPENDIX P BATHROOM IS SELECTED, ALL REMAINING TOILET AND BATHING FACILITIES IN DWELLING UNIT SHALL BE REQUIRED TO COMPLY WITH APPENDIX P.

WATER CLOSETS:
CLEAR FLOOR SPACE AT THE WATER CLOSET SHALL BE AS SHOWN. THE HEIGHT OF THE WATER CLOSET SHALL BE AT LEAST 15" & NO MORE THAN 19", MEASURED TO THE TOP OF THE TOILET SEAT.

GRAB BARS ARE NOT REQUIRED TO BE INSTALLED WHERE REINFORCEMENT FOR SUCH GRAB BARS IS INSTALLED AND LOCATED TO PERMIT FUTURE INSTALLATION OF GRAB BARS. OPERABLE PARTS SUCH AS TOILET PAPER DISPENSERS, SHOWER CONTROLS, AND RECEPTACLE OUTLETS AND ENVIRONMENTAL CONTROLS SHALL BE ACCESSIBLE.

THE TOILET PAPER DISPENSER SHALL BE INSTALLED WITHIN REACH AS SHOWN, 14" MIN. & 19" MAX. FROM THE OUTLET OF THE TOILET PAPER DISPENSER TO THE FINISH FLOOR.

BOTTOM SHELF OF MEDICINE CABINET SHALL NOT BE HIGHER THAN 44" ABOVE FINISHED FLOOR.

THE BOTTOM OF THE MIRROR SHALL NOT BE HIGHER THAN 40" ABOVE FINISHED FLOOR.

REMOVABLE CABINET PERMITTED IF IT DOES NOT REQUIRE THE REMOVAL/REPLACEMENT OF LAVATORY AND FINISHES EXTENDS UNDER AND BEHIND CABINETRY.

DOOR: 32" CLEAR WIDTH (36" WIDE DOOR)

(A) TYPE B UNIT: TYPE A BATHROOM

(C) TYPE B UNIT: APPENDIX P BATHROOM

(E) TYPE B UNIT: APPENDIX P POWDER ROOM

(B) TYPE B UNIT: TYPE A BATHROOM

(D) TYPE B UNIT: APPENDIX P BATHROOM

(F) TYPE B UNIT: APPENDIX P POWDER ROOM

1 BATHROOM PROTYPES
NTS

KEY PLAN
WEST STREET
MURRAY STREET

3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

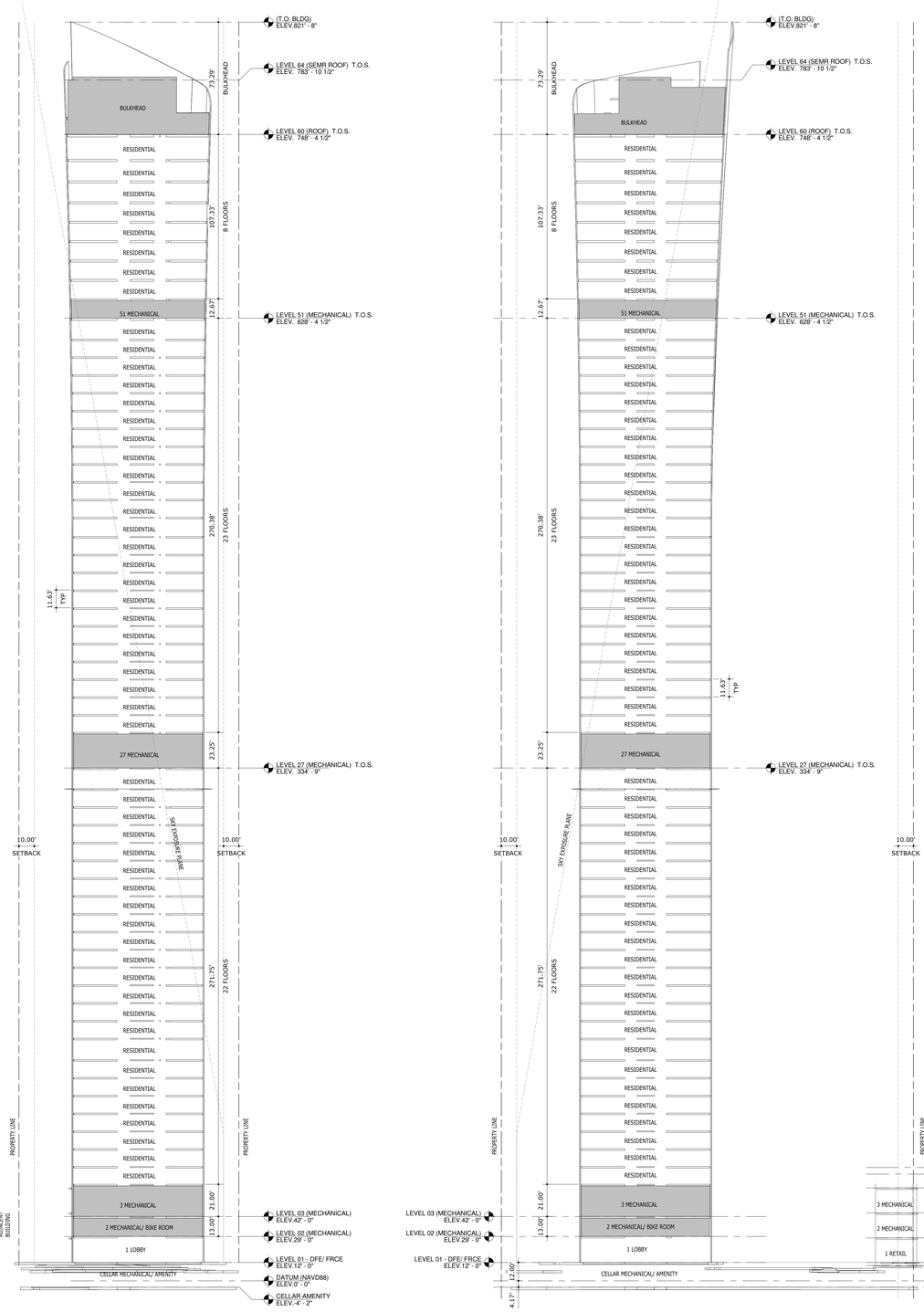
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
ACCESSIBILITY NOTES AND DIAGRAMS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN M. HILL
026004
STATE OF NEW YORK

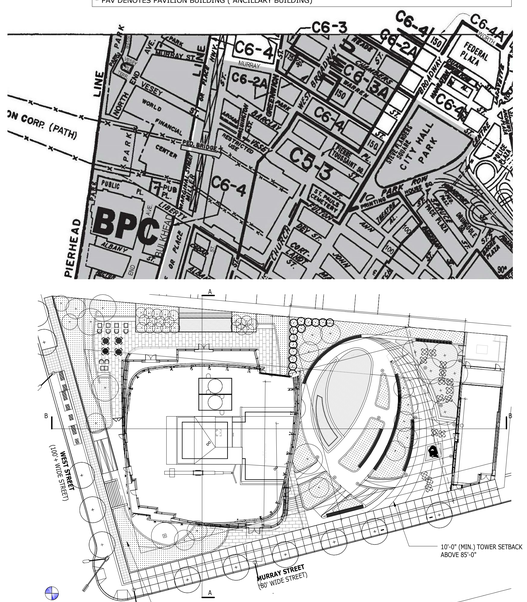
DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/4" = 1'-0"
G-005.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
B1B0918340078 Scan Code



1 ZONNING SECTION AA
1/32" = 1'-0"

2 ZONNING SECTION BB
1/32" = 1'-0"



3 Site plan
1/32" = 1'-0"

FLOOR AREA SCHEDULE

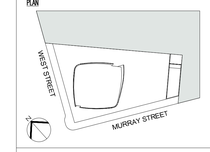
Floor	Use	Gross Area (SF)	MEP Deductions (SF)	Stair Deduction (SF)	Bicycle Storage (SF)	Zoning FA (SF)	
ZR 12-10							
Lower Cellar	Residential / Mechanical	7,884	7,884	0	0	0	
Cellar	Residential / Mechanical	29,886	29,886	0	0	0	
	Commercial (Retail)	51	51	0	0	0	
	Total	29,937	29,937	0	0	0	
1	Residential	7,732	31	0	0	7,701	
1	Commercial (Retail)	1309	0	0	0	1,309	
1 PAV	Residential	886	0	0	0	886	
1 PAV	Commercial (Retail)	871	92	0	0	779	
	Total	10,797	123	0	0	10,674	
2	Residential / Mechanical	7,290	4,137	0	635	2,518	
2 PAV	Mechanical	1,766	1,766	0	0	0	
	Total	9,056	5,903	0	635	2,518	
3	Mechanical	6,901	6,901	0	0	0	
3 PAV	Mechanical	0	0	0	0	0	
	Total	6,901	6,901	0	0	0	# of DUs
4	Residential	6,901	454	37		6,410	5
5	Residential	6,901	454	37		6,410	5
6	Residential	6,901	454	37		6,410	5
7	Residential	6,901	454	37		6,410	5
8	Residential	6,901	454	37		6,410	5
9	Residential	6,901	454	37		6,410	5
10	Residential	6,901	454	37		6,410	5
11	Residential	6,901	454	37		6,410	5
12	Residential	6,901	483	37		6,381	3
13	Residential	6,901	434	37		6,430	3
14	Residential	6,901	434	37		6,430	3
15	Residential	6,901	434	37		6,430	3
16	Residential	6,901	434	37		6,430	3
17	Residential	6,901	434	37		6,430	3
18	Residential	6,901	434	37		6,430	3
19	Residential	6,901	434	37		6,430	3
20	Residential	6,901	434	37		6,430	3
21	Residential	6,901	434	37		6,430	3
22	Residential	6,901	434	37		6,430	3
23	Residential	6,901	434	37		6,430	3
24	Residential	6,901	434	37		6,430	3
25	Residential	6,901	434	37		6,430	3
26	Residential	6,901	434	37		6,430	3
27	Residential / Mechanical	6,901	6,901	0		0	0
28	Residential	6,901	464	37		6,400	3
29	Residential	6,901	464	37		6,400	3
30	Residential	6,901	464	37		6,400	3
31	Residential	6,901	464	37		6,400	3
32	Residential	6,901	464	37		6,400	3
33	Residential	6,901	464	37		6,400	3
34	Residential	6,901	464	37		6,400	3
35	Residential	6,901	464	37		6,400	3
36	Residential	6,901	464	37		6,400	3
37	Residential	6,901	464	37		6,400	3
38	Residential	6,901	464	37		6,400	3
39	Residential	6,901	502	37		6,362	3
40	Residential	6,913	396	37		6,480	2
41	Residential	6,932	398	37		6,497	2
42	Residential	6,960	398	37		6,525	2
43	Residential	6,993	398	37		6,558	2
44	Residential	7,034	398	37		6,599	2
45	Residential	7,080	398	37		6,645	2
46	Residential	7,133	399	37		6,697	2
47	Residential	7,192	399	37		6,756	2
48	Residential	7,258	400	37		6,821	2
49	Residential	7,330	401	37		6,892	2
50	Residential	7,409	400	37		6,972	2
51	Residential / Mechanical	7,509	7,509	0		0	0
52	Residential	7,611	445	37		7,129	2
53	Residential	7,721	445	37		7,239	2
54	Residential	7,839	446	37		7,356	2
55	Residential	7,966	447	37		7,482	2
56	Residential	8,102	449	37		7,616	2
57	Residential	8,247	449	37		7,761	2
58	Residential	8,413	306	37		8,070	1
59	Residential	8,595	280	37		8,278	1
60	Mechanical	8,604	8,604	0		0	0
61	Mechanical	7,643	7,643	0		0	0
62	Mechanical	917	917	0		0	0
63	Mechanical	0	0	0		0	0
TOTAL							**157**
	Residential	478,179	105,628	1,998	635	369,918	
	Commercial	2,231	143	0	0	2,088	
	TOTAL	**480,410**	**105,771**	**1,998**	**635**	**372,006**	
TOTAL							
ABOVE	Residential	440,409	67,858	1,998	635	369,918	
GRADE	Commercial	2,180	92	0	0	2,088	
	TOTAL	**442,589**	**67,950**	**1,998**	**635**	**372,006**	

* GSF OF ALL FLOORS TAKEN @ T.O.S. LEVELS
* PAV DENOTES PAVILION BUILDING (ANCILLARY BUILDING)

ZONING CALCULATIONS

Applicable Section			
Map 12b	1.	**Zoning District**	
		C6-4	
		Block:	142
		Lot:	100
	2.	**Lot Area:**	31,029 SF
32-00	3.	**Uses Permitted:**	
		Use Groups 1-12	
	4.	**Uses Provided**	
		Use Group 6	Commercial
		Use Group 2	Residential
		Newly Developed Uses:	
		Use Group 2	Residential
	5.	**Floor Area Permitted**	
		A. Basic FAR	
		C6-4 (R10 Equivalent)	
33-122		A. Commercial	10.0
23-15		B. Residential	10.0
		C. Maximum	10.0
35-35(c)		B. Bonus FAR	
		Max Public Plaza Bonus	2.00
		C6-4= 6 SF bonus per 1 SF Public Plaza	2.00
		Bonus Floor Area Permitted	
		31,029 SF x 2.0	62,058 SF
		Total FAR with Public Plaza Bonus Permitted:	
		31,029 SF x 12	372,348 SF
		Public Plaza SF	
		62,058 SF/ 6SF Bonus =	10,343 Req Plaza Size
		Bonusable Public Plaza SF	10,343 Req Plaza Size
37-715		Major Portion Provided =	9,005 SF
37-716		Minor Portion Provided =	1,594 SF
		Total Public Bonusable Plaza Provided =	10,599 SF
		See Zoning Sheet Z-004 & DCP Application Approval # N 150328 ZCM	
33-122		C. Maximum FAR	
33-122		A. Commercial	10.00
23-15		B. Community Facility	10.00
		C. Residential	12.00
		D. Combined Total	12.00
		D. Floor Area Permitted	
		A. Commercial	310,290 SF
		B. Community Facility	310,720 SF
		C. Residential (12.0 FAR)	372,348 SF
		D. Combined Total	372,348 SF
	6.	**Floor Area Provided**	
		Commercial	2,088 SF
		Community Facility	0 SF
		Residential	369,918 SF
		Total	372,006 SF
23-22	7.	**Density**	
		A. Maximum Dwelling Units	
		1) Total Residential FA Permitted	372,348 SF
		2) Non-Residential FA Provided	2,088 SF
		3) Balance of Residential Permitted	370,260 SF
		4) Dwelling Unit Factor	790
		Total New Dwelling Units Permitted	469
	8.	**Total Number of Dwelling Units Provided**	
		Total	157
		Complies:	*See Dwelling Unit Count in Floor Area Schedule*
33-261	9.	**Yard Regulations**	
23-471		30 Ft Residential rear yard is required beyond 100 Ft of West Street	
		20 Ft Commercial rear yard is required bey 100 Ft of West Street	*See Site Plan, Complies.*
34-112	10.	**Height and Setback Regulations**	
35-63, 23-65		Residential Tower Regulations of Mixed Building	
		No more than 2 Stories of Non-Residential Provided	
			See Plans
		Maximum Tower Coverage	40%
		New Building Tower Coverage	9,102 SF
		Total Percentage Tower Coverage	29.33%
			Complies
		Minimum Setback = 10' / Wide Street	See Diagrams
			Complies
13-10	11.	**Accessory Off-Street Parking**	
		None Required	None Provided.
13-10	12.	**Accessory Off-Street Loading**	
		Retail - Less than 25,000 SF - None Required.	None Provided.
	13.	**Street Tree Planting**	
		1 Tree per 25' of Frontage	
		Total Zoning Lot Frontage =	225' on Murray Street + 171.69' on West Street
			397' Total Frontage
			16 Trees Required
		Existing Street Trees to Remain	11
		Existing Street Trees to be Removed	1
		Planting Fee to be Paid for Remaining Trees	5 Trees to be Paid For
			See ST-1 Form
37-37	14.	**Street Wall Articulation**	
		50% Requirement	See Z-003, Transparency Diagram.
36-711	15	**Bicycle Parking**	See Z-003, Complies ZRD1 Filed
25-83		Residential Required:	
		50% of Dwelling Unit Count	157/2 = 79 Bikes
		Residential Provided:	635.29 SQ FT
			1 Bike per 2 D.U. at 7.83 SF per Bike
			= 81 Bikes

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL DUGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.0108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

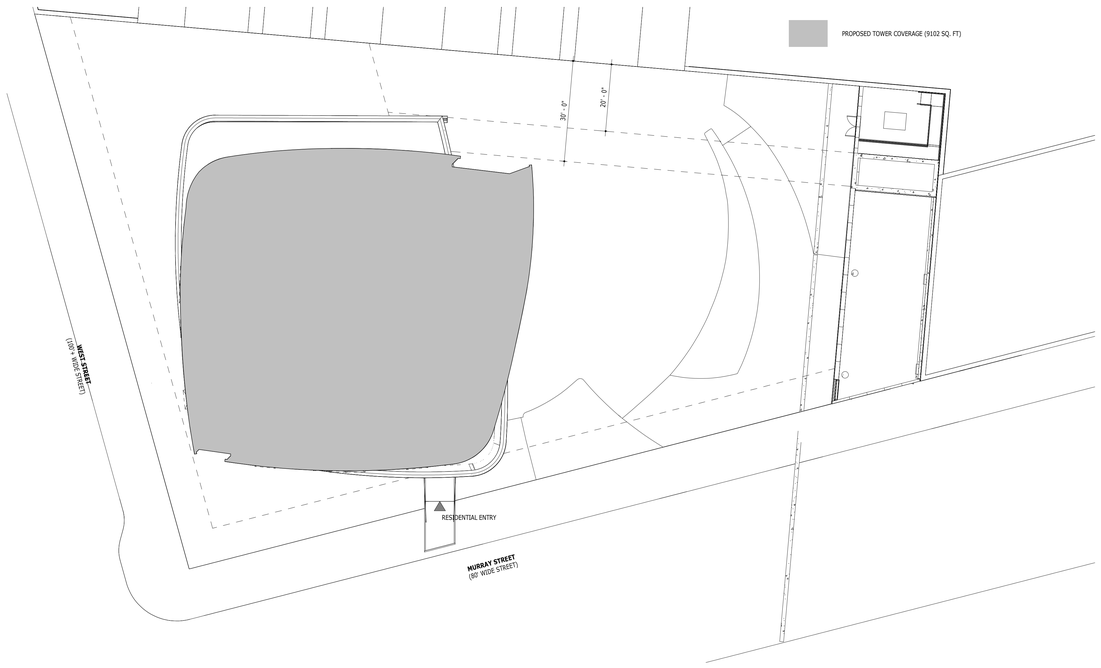
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SITE PLAN, SCHEDULES, AND ZONNING CALCULATIONS

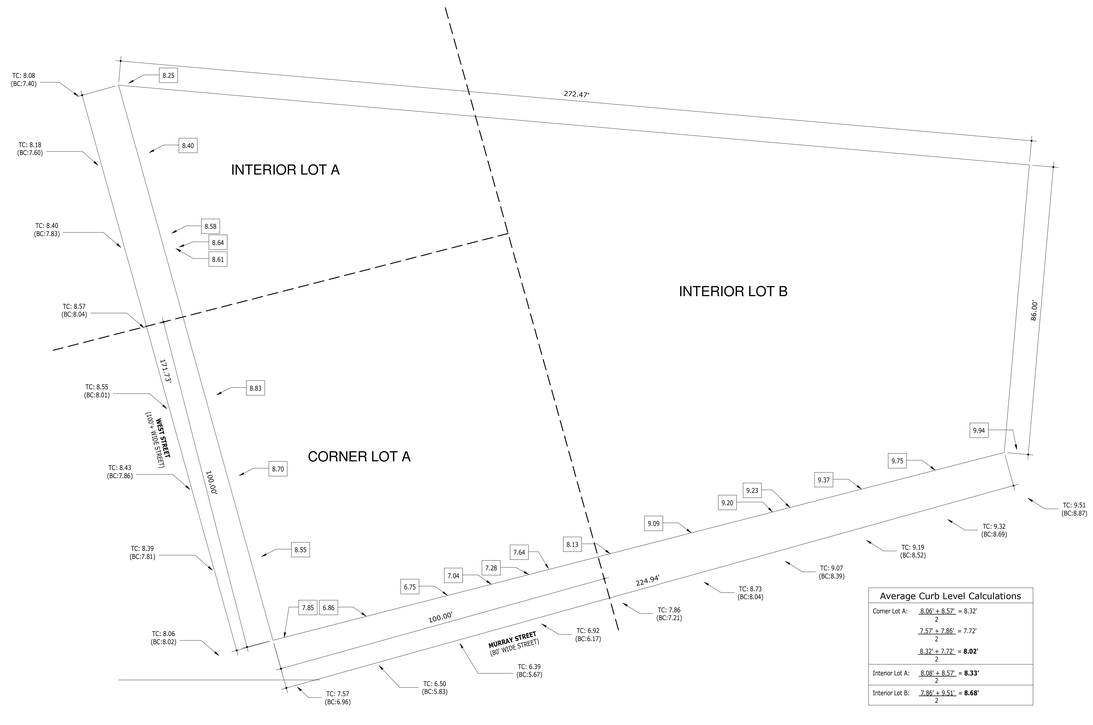
SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH STEPHEN HILL
No. 020504
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	Z-001.00

DEPT OF BLDGS 122132110 Job Number
ES0705454I Scan Code

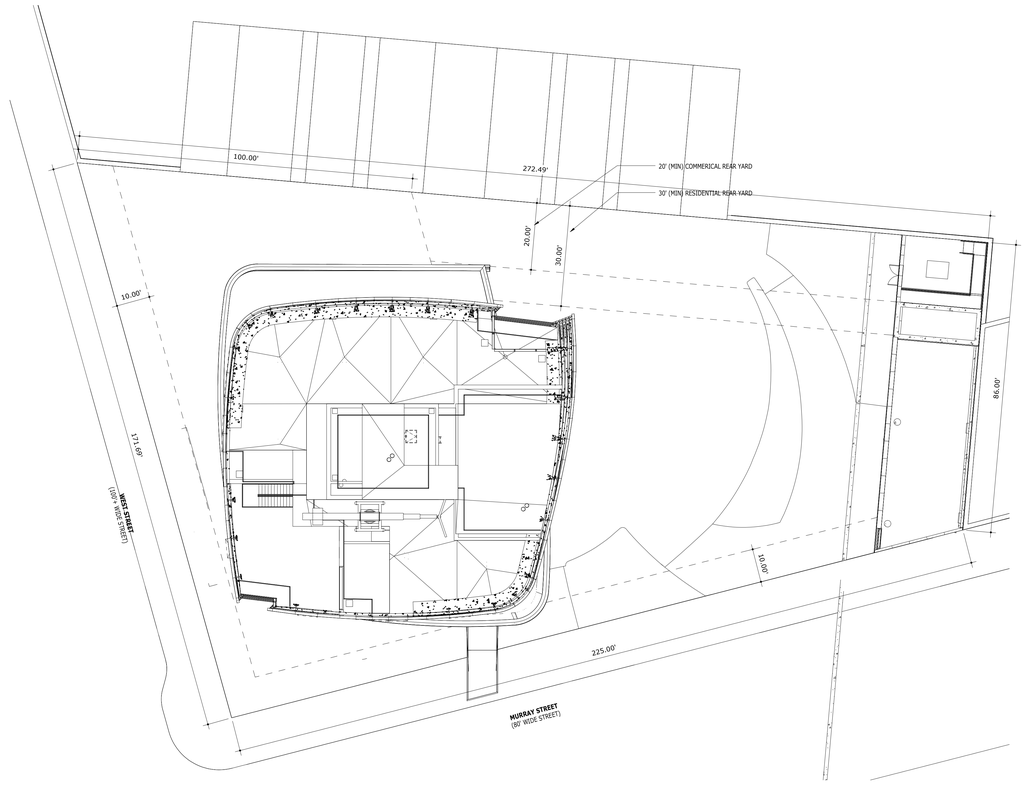


1 TOWER COVERAGE DIAGRAM
1/16" = 1'-0"



Average Curb Level Calculations	
Corner Lot A:	8.00' + 8.57' = 8.32' / 2
	7.57' + 7.86' = 7.72' / 2
	8.32' + 7.72' = **8.02'** / 2
Interior Lot A:	8.08' + 8.57' = **8.33'** / 2
Interior Lot B:	7.86' + 9.51' = **8.68'** / 2

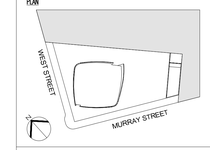
2 AVERAGE CURB LEVEL DIAGRAM
1/16" = 1'-0"



A 30 FOOT RESIDENTIAL REAR YARD IS REQUIRED BEYOND 100 FEET OF WEST STREET
A 20 FOOT COMMERICAL REAR YARD IS REQUIRED BEYOND 100 FEET OF WEST STREET
THERE REQUIRED REAR YARDS ARE TO BE LOCATED ALONG THE SIDE LOT LINE THAT INTERSECTS WEST STREET AND ADJOINS LOT #750

3 REAR YARD SET BACK DIAGRAM
1/16" = 1'-0"

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

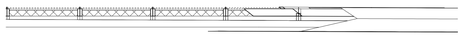
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
LOT COVERAGE, ACL, &YARD REGULATIONS

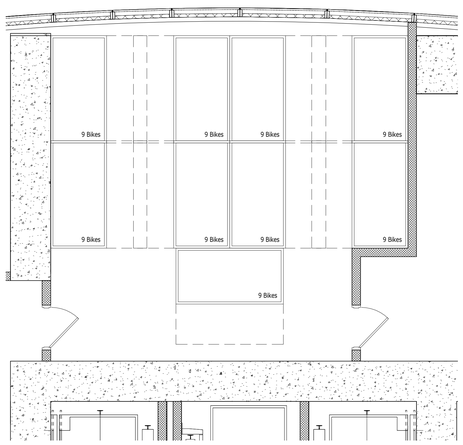
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
No. 026004
STATE OF NEW YORK

DATE: **09/15/14**
PROJECT #: **13A26**
SCALE: **1/16" = 1'-0"**
Z-002.00
DWG NO.

DEPT OF BLDGS 421323.00 Job Number
ES220059.F3W Scan Code

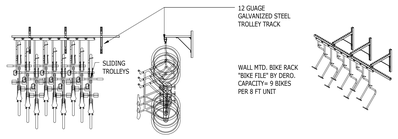


BYCYCLE PARKING 1.
OCC GROUP: ACCESSORY TO R2
635.29 SQ.FT.
OCC LOAD:
635.29/300= 2 OCC.
9 RACKS= 81 BIKES

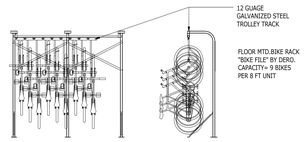


PARTIAL PLAN OF BIKE STORAGE ROOM @ LEVEL 02
1/4" = 1'-0"

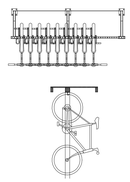
WALL MTD. BIKE RACK

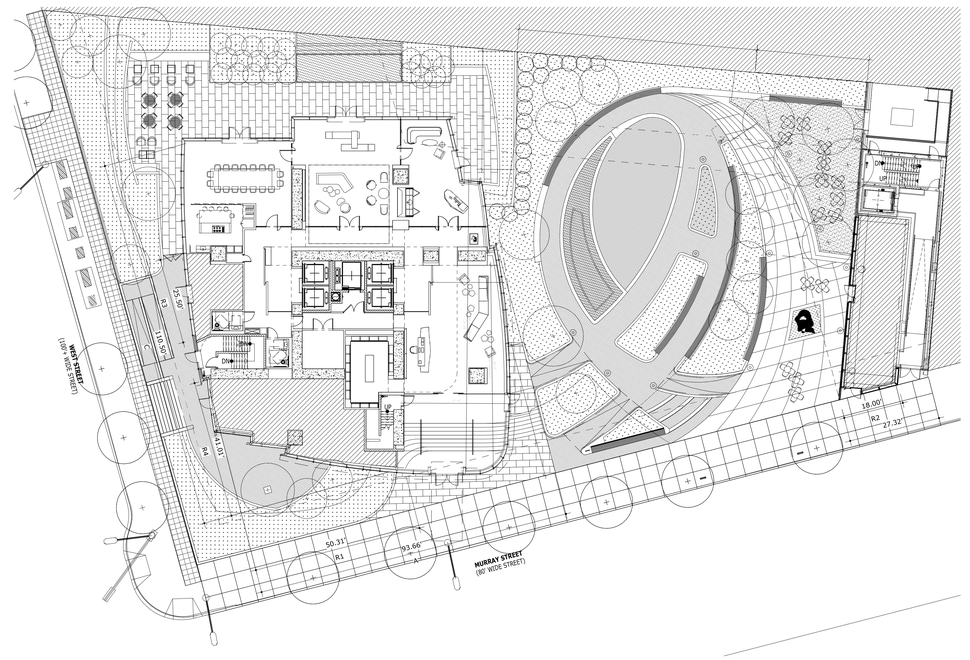


FLOOR MTD. BIKE RACK



CEILING MTD. BIKE RACK



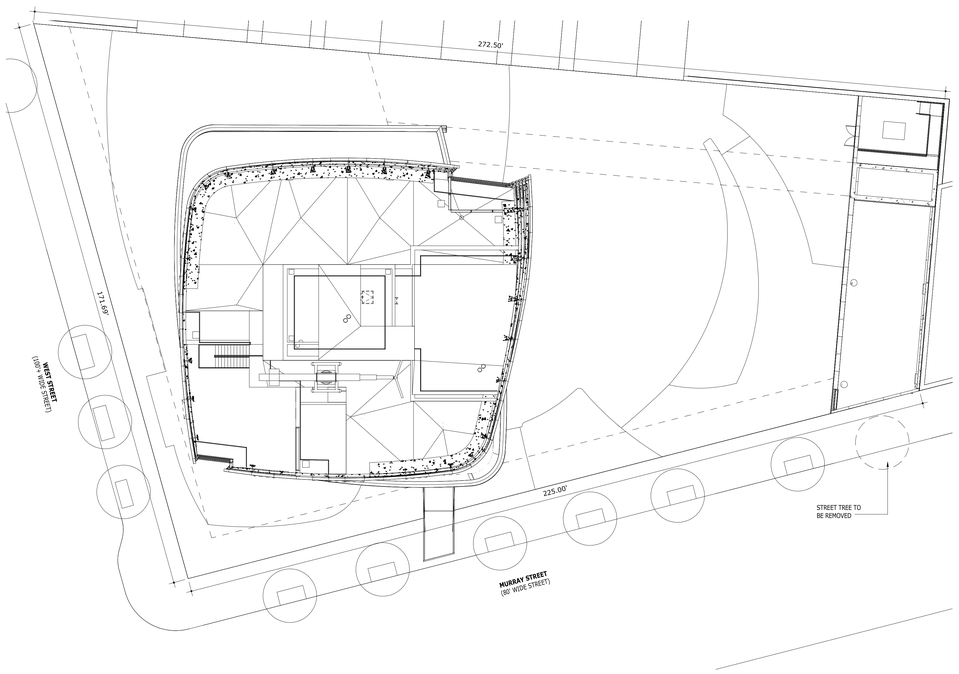


3 RETAIL CONTINUITY DIAGRAM
1/16" = 1'-0"

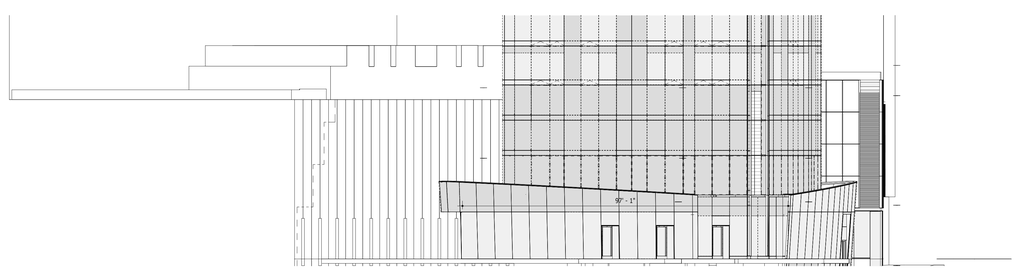
PROPOSED RETAIL COVERAGE
COMPLIES WITH ZR SEC 37-35

R1 + R2= 50% MIN OF (A+B)				
	R1	R2	A	B
	50.31	18.00	93.66	27.00
TOTAL	68.31		120.66	
PERCENTAGE	**57%**			

R3 + R4=50% MIN OF C			
	R3	R4	C
	25.50	41.01	110.50
TOTAL	66.51		
PERCENTAGE	**60%**		

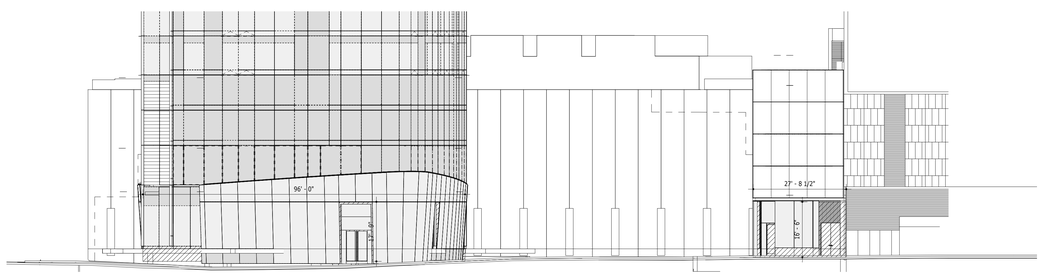


2 STREET TREE PLANTING DIAGRAM
1/16" = 1'-0"



5 WEST TRANSPARENCY DIAGRAM
1/16" = 1'-0"

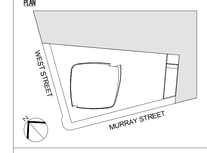
1,263.7 SQ. FT OF GLAZING
571 SQ FT REQUIRED GLAZING
COMPLIES WITH 37-37 STREET WALL ARTICULATION



4 NORTH TRANSPARENCY DIAGRAM
1/16" = 1'-0"

2160.5 SQ. FT OF GLAZING
981 SQ FT REQUIRED GLAZING
COMPLIES WITH 37-37 STREET WALL ARTICULATION

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
TRANSPARANCEY, R.C, ST. TREE PLANTING, BICYCLE STORAGE

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN WEST
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	Z-003.00

DEPT OF BLDGS 321323.00 Job Number
E3800050819 Scan Code

DEPARTMENT OF CITY PLANNING
CITY OF NEW YORK

OFFICE OF THE CHAIR

April 30, 2015

Martin Rebholz, R.A.
Borough Commissioner
Department of Buildings
280 Broadway, 3rd Floor
New York, N.Y. 10007

Re: Applic. No. N 150328 ZCM
101 Murray Street Public Plaza
101 Murray Street
Block 142, Lot 100
C6-4 District
Borough of Manhattan
Community District 1

Dear Commissioner Rebholz:

Please be advised that the application (N 150328 ZCM) submitted by Henry V Murray Senior LLC for certification by the Chairperson of the City Planning Commission pursuant to Section 37-78 of the Zoning Resolution that a site plan and detailed plans have been submitted to showing compliance with the provisions of Section 37-70 (PUBLIC PLAZAS), on property at the above referenced location, is hereby certified.

THE CERTIFICATION (N 150328 ZCM) HAS BEEN APPROVED SOLELY PURSUANT TO SECTION 37-78 OF THE ZONING RESOLUTION AND IS SUBJECT TO VERIFICATION BY THE DEPARTMENT OF BUILDINGS FOR COMPLIANCE WITH ALL OTHER APPLICABLE PROVISIONS OF THE ZONING RESOLUTION.

Enclosed for your information are the following:

1. a copy of application N 150328 ZCM;

2. a copy of the Notice of Certification (Plaza), dated April 15, 2015, executed by Henry V Murray Senior LLC, and submitted for recordation in the New York County Office of the City Register on April 28, 2015 (Document ID: 2015042800320001); and

3. the following approved drawings prepared by Langan:

Dwg. No.	Title	Last Date Revised
Z-100	Cover Sheet	04/17/2015
Z-101	Zoning Lot Site Plan	04/22/2015

Carl Weisbrod, Chairman
22 Reade Street, New York, NY 10007-1216
(212) 720-3200 / FAX (212) 720-3219
www.nyc.gov/planning

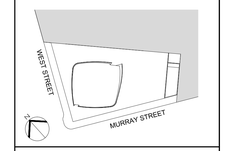
Z-102	Ground Floor Plan	04/22/2015
Z-200	Zoning Calculations I	04/17/2015
Z-201	Zoning Calculations II	04/22/2015
ZL-101	Plaza Plan	04/22/2015
ZL-102	Plaza Dimensioning Plan	04/22/2015
ZL-103	Permitted Obstructions and Circulation Plan	04/22/2015
ZL-104	Seating and Planting Area Plan	04/22/2015
ZL-105	Paving and Grading Plan	04/22/2015
ZL-200	Planting Plan	04/22/2015
ZL-201	Planting Notes and Details	04/17/2015
ZL-300	Lighting/Photometric Plan	04/22/2015
ZL-301	Lighting Notes and Details	04/17/2015
ZL-400	Plaza Elevation	04/17/2015
ZL-401	Plaza Sections	04/17/2015
ZL-402	Tower and Retail Transparency Elevations	04/22/2015
ZL-500	Seating Details	04/22/2015
ZL-501	Plaza Signage Details	04/17/2015
ZL-502	Site Details I	04/17/2015
ZL-503	Site Details II	04/17/2015
ZL-504	Site Details III	04/17/2015
ZL-505	Site Furnishings	04/17/2015

Best regards,

Carl Weisbrod

cc: J. Harris
J. Merani
H. Marcus
J. Miraglia
I. Sadko
K. Ramnarine
E. Lee
E. Botsford
R. Suarez
A. McCabe
R. Malinda
Applicant

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.696.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0334 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

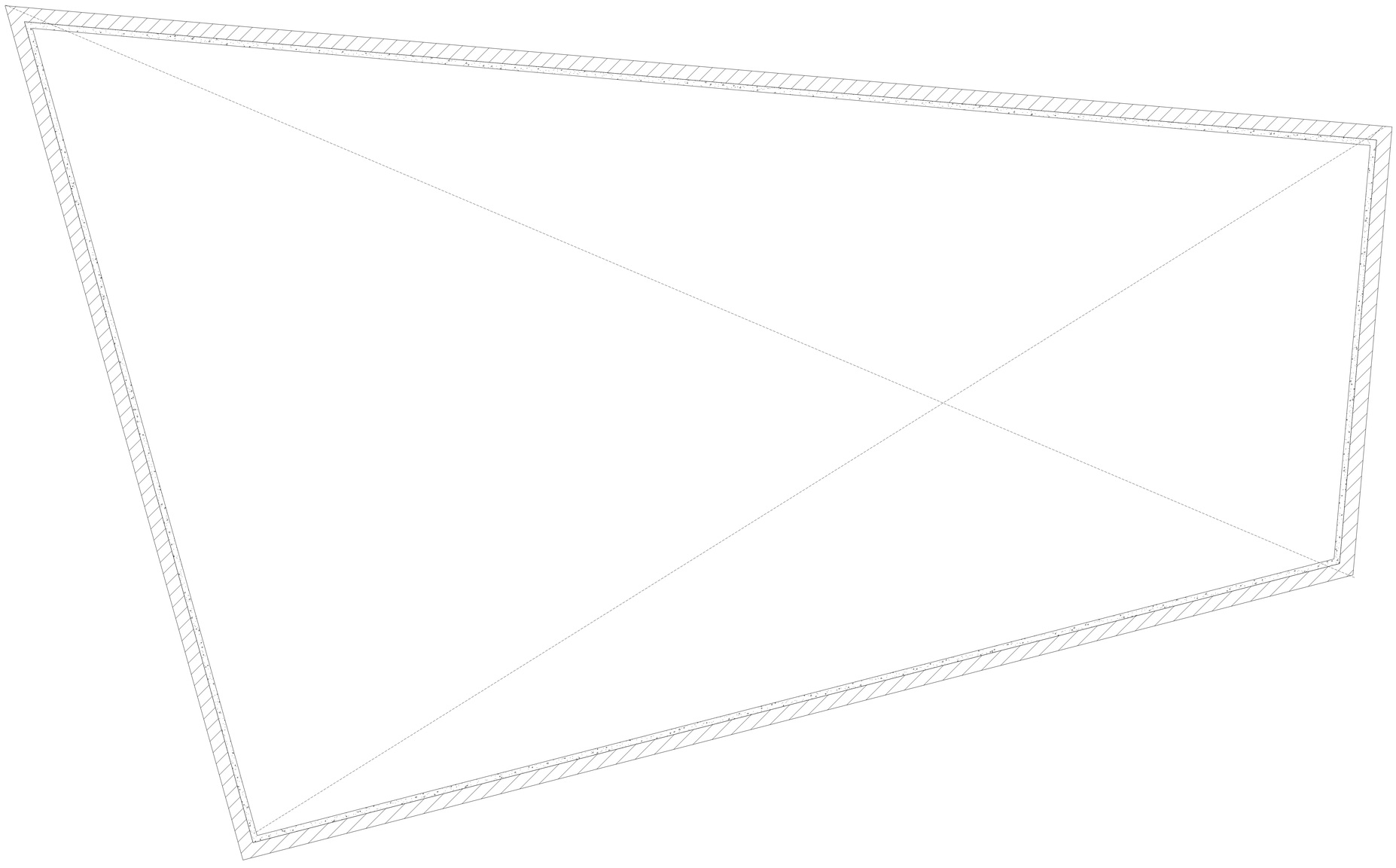
DWG TITLE:
DCP CHAIR LETTER

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH H. LEE
026009
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	AS NOTED
DWG NO.	Z-004.00

Z-004

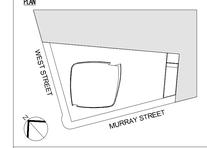
DEPT OF BLDGS 122132110 Job Number
E583129970 Scan Code



1 CELLAR AMENITY
1/8" = 1'-0"

MEP Deductions Legend
- Plumbing Deduction
- Mechanical Deduction
- Stair Deduction

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

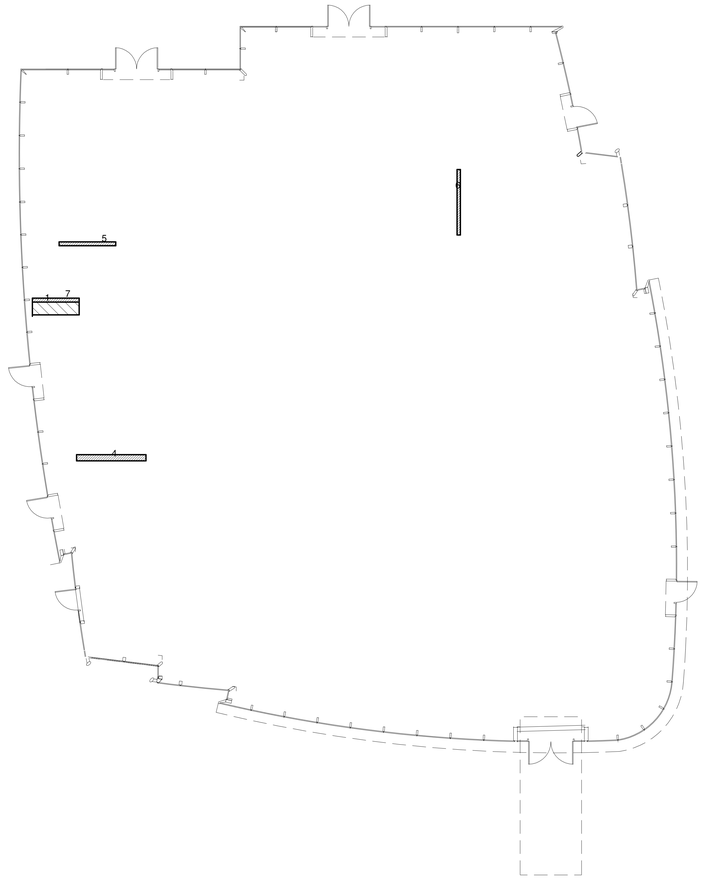
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
CELLAR MEP DEDUCTIONS

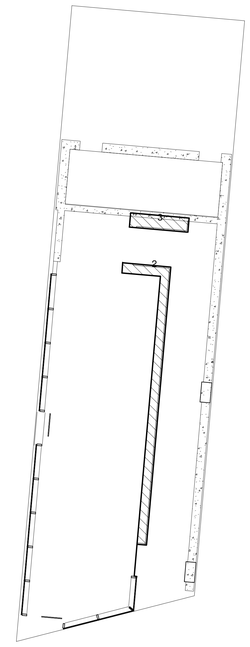
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. HILL
No. 026004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
Z-005.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E3513353301 Scan Code



1 LEVEL 01 - DFE/ FRCE
1/8" = 1'-0"



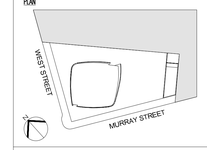
GHW- 1st Floor MEP Deductions

Number	Deduction Type	Area	Area Length	Area Width
LEVEL 01 - DFE/ FRCE				
1	M	13 SF	1'- 11"	6' - 11 1/2"
2	M	68 SF	1'- 5 1/4"	47' - 3 3/4"
3	M	19 SF	2' - 1 1/2"	8' - 9"
4	P	9 SF	0' - 11"	10' - 4"
5	P	5 SF	0' - 7"	8' - 5 1/4"
6	P	5 SF	0' - 6"	9' - 9"
7	P	4 SF	0' - 7"	6' - 11 1/2"
		123 SF		

MEP Deductions Legend

- Plumbing Deduction
- Mechanical Deduction
- Stair Deduction

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

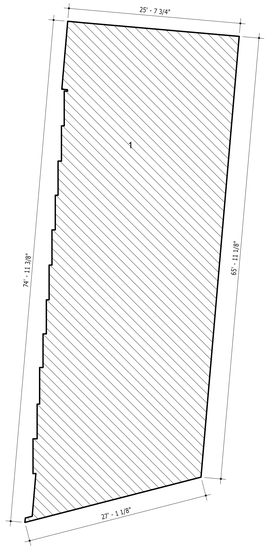
DWG TITLE:
1ST FLOOR MEP DEDUCTIONS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. LEE
No. 025004
STATE OF NEW YORK

DATE: **09/15/14**
PROJECT #: **13A26**
SCALE: **As indicated**
Z-006.00
DWG NO.

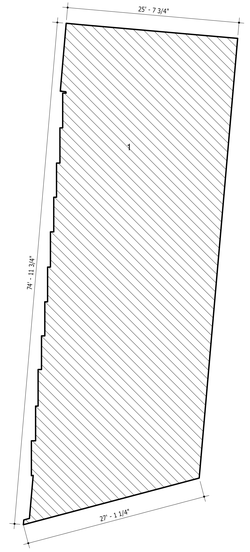
DEPT OF BLDGS 122132110 Job Number
E350685169S Scan Code

GHW- 2nd Floor Pavilion MEP Deductions				
Number	Deduction Type	Area	Area Length	Area Width
PAV 02_MEP				
1	M	1766 SF	22' - 9 1/2"	77' - 6"
		1766 SF		



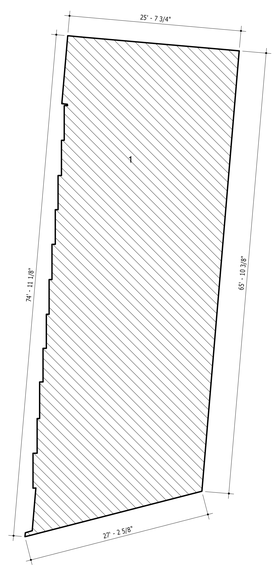
1 PAV 02_MEP
1/8" = 1'-0"

GHW- 3rd Floor Pavilion MEP Deductions				
Number	Deduction Type	Area	Area Length	Area Width
PAV LEVEL 03_MEP				
1	M	1764 SF	22' - 10"	77' - 3"
		1764 SF		



2 PAV LEVEL 03_MEP
1/8" = 1'-0"

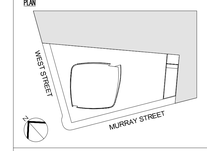
GHW- Pavilion Roof MEP Deductions				
Number	Deduction Type	Area	Area Length	Area Width
PAV LEVEL 03_MEP				
1	M	1764 SF	22' - 10"	77' - 3"
		1764 SF		



3 PAV ROOF_MEP
1/8" = 1'-0"

MEP Deductions Legend
- Plumbing Deduction
- Mechanical Deduction
- Stair Deduction

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

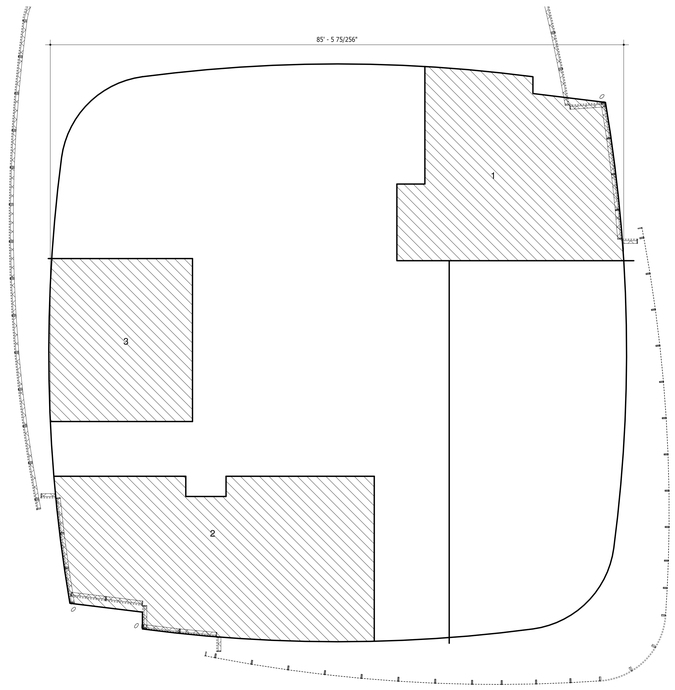
DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
BuildNYC
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
PAVILION 2ND FLOOR TO ROOF MEP DEDUCTIONS

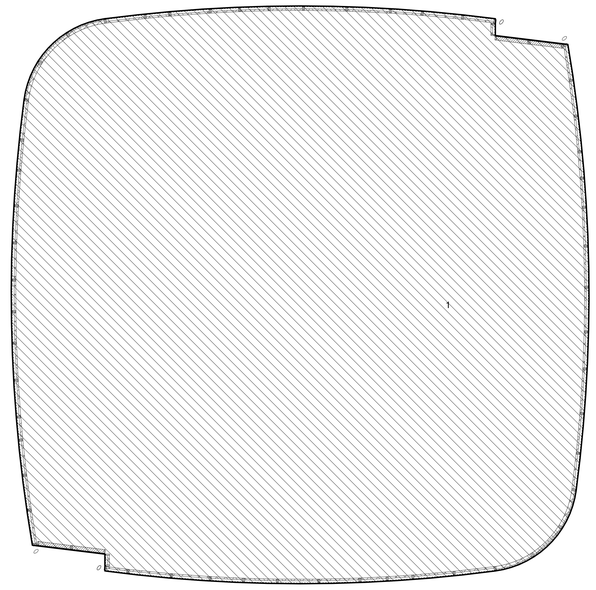
SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN WEST
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
DWG NO. Z-007.00



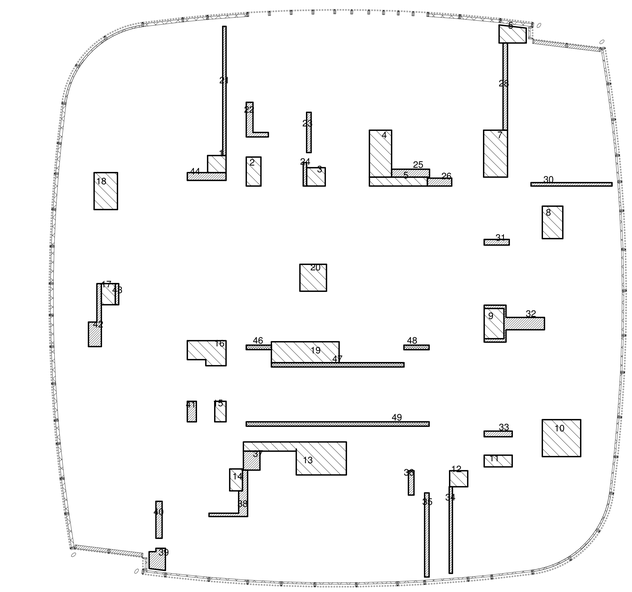
1 LEVEL 02 (MECHANICAL)
1/8" = 1'-0"

GHW- 2nd Floor MEP Deductions				
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 02 (MECHANICAL)				
1	M	802 SF	19' - 11 3/4"	40' - 1 1/2"
2	M	1052 SF	19' - 11 1/4"	52' - 9 1/2"
3	M	517 SF		
		2371 SF		



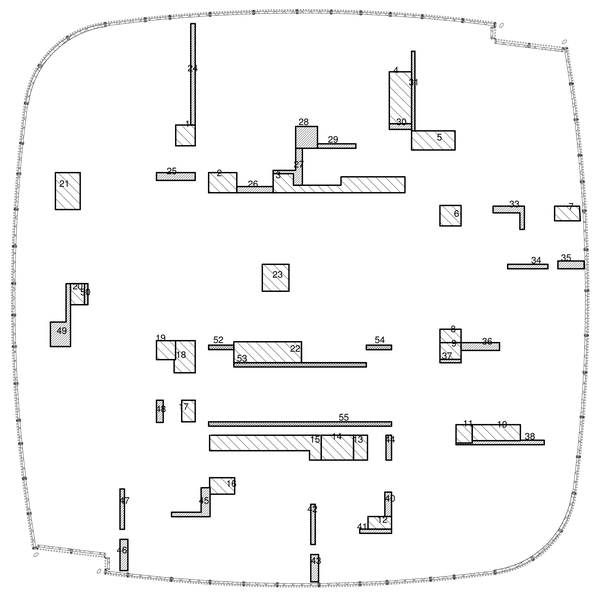
2 LEVEL 03 (MECHANICAL)
1/8" = 1'-0"

GHW- 3rd Floor MEP Deductions				
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 03 (MECHANICAL)				
1	M	6901 SF		
		6901 SF		



3 LEVEL 04
1/8" = 1'-0"

GHW- 4-11th Floor MEP Deductions				
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 04				
1	M	7 SF	2' - 6 1/2"	2' - 9"
2	M	9 SF	2' - 2 1/4"	4' - 3 3/4"
3	M	8 SF	2' - 8 3/4"	2' - 9 1/4"
4	M	23 SF	3' - 3 3/4"	6' - 11 3/4"
5	M	10 SF	2' - 5 1/4"	4' - 0 3/4"
5	M	11 SF	1' - 4"	8' - 7 3/4"
7	M	25 SF	3' - 6 3/4"	6' - 11 3/4"
8	M	15 SF	3' - 0 1/2"	4' - 10"
9	M	13 SF	2' - 11 1/4"	4' - 6"
10	M	31 SF	5' - 6"	5' - 8 1/2"
11	M	7 SF	1' - 9"	4' - 2"
12	M	6 SF	2' - 4 3/4"	2' - 8 1/4"
13	M	47 SF	2' - 7 3/4"	17' - 11"
14	M	6 SF	1' - 10 3/4"	3' - 3 1/4"
15	M	5 SF	1' - 8 1/4"	3' - 0 1/2"
16	M	19 SF	2' - 10 1/2"	6' - 7 1/2"
17	M	7 SF	2' - 1"	3' - 1 3/4"
18	M	19 SF	3' - 5 3/4"	5' - 6"
19	M	31 SF	3' - 1 1/2"	10' - 1"
20	M	16 SF	3' - 11 1/2"	4' - 0"
21	P	10 SF	0' - 6"	19' - 3"
22	P	7 SF	0' - 10 1/2"	7' - 7"
23	P	4 SF	0' - 8"	6' - 0"
24	P	2 SF	0' - 6"	3' - 5 3/4"
25	P	7 SF	1' - 2"	5' - 7 3/4"
26	P	4 SF	1' - 2"	3' - 7 1/2"
28	P	9 SF	0' - 8"	13' - 0"
30	P	6 SF	0' - 6"	12' - 0 3/4"
31	P	3 SF	0' - 10"	3' - 8 3/4"
32	P	15 SF	0' - 11"	16' - 6"
33	P	3 SF	0' - 10"	4' - 2"
34	P	6 SF	0' - 5 3/4"	12' - 10 3/4"
35	P	8 SF	0' - 8"	12' - 6 1/4"
36	P	3 SF	0' - 10"	3' - 7 1/2"
37	P	7 SF	2' - 5 1/2"	2' - 10"
38	P	10 SF	0' - 9 3/4"	11' - 10 1/4"
39	P	7 SF	1' - 11 3/4"	3' - 7 1/2"
40	P	5 SF	0' - 11"	5' - 6"
41	P	4 SF	1' - 4"	3' - 0 1/2"
42	P	11 SF	1' - 0 3/4"	10' - 2 3/4"
43	P	2 SF	0' - 6"	3' - 1 3/4"
44	P	7 SF	1' - 2"	5' - 8 3/4"
46	S	3 SF	0' - 8"	3' - 9"
47	S	13 SF	0' - 7 3/4"	19' - 9"
48	S	3 SF	0' - 8"	3' - 9"
49	S	18 SF	0' - 8"	27' - 3"
		492 SF		

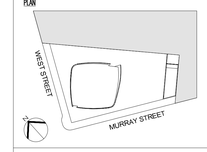


4 LEVEL 12
1/8" = 1'-0"

GHW- 12th Floor MEP Deductions				
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 12				
1	M	9 SF	2' - 11"	3' - 1"
2	M	13 SF	3' - 0"	4' - 2 1/4"
3	M	39 SF	1' - 9 1/2"	21' - 11 1/4"
4	M	26 SF	3' - 3 3/4"	7' - 9"
5	M	18 SF	2' - 10 1/4"	6' - 5 3/4"
6	M	10 SF	3' - 0 1/2"	3' - 1 3/4"
7	M	8 SF	2' - 2 1/4"	3' - 9 1/4"
8	M	6 SF	2' - 0"	3' - 1 3/4"
9	M	8 SF	2' - 6"	3' - 1 3/4"
10	M	17 SF	2' - 4 1/2"	7' - 2"
11	M	7 SF	2' - 5"	2' - 8 3/4"
12	M	7 SF	1' - 10 1/2"	3' - 6"
13	M	8 SF	2' - 1"	3' - 8 1/2"
14	M	18 SF	3' - 8 1/2"	4' - 9 3/4"
15	M	41 SF	2' - 3 1/2"	17' - 10"
16	M	9 SF	2' - 5"	3' - 9 1/4"
17	M	6 SF	2' - 0 1/4"	3' - 2 1/2"
18	M	14 SF	2' - 10"	5' - 1 1/4"
19	M	8 SF	2' - 10"	2' - 10"
20	M	7 SF	2' - 1"	3' - 1 3/4"
21	M	20 SF	3' - 8 1/4"	5' - 6"
22	M	31 SF	3' - 1 1/2"	10' - 1"
23	M	16 SF	3' - 11 1/2"	4' - 0"
24	P	10 SF	0' - 8"	15' - 1 1/2"
25	P	7 SF	1' - 2"	5' - 9 1/4"
26	P	5 SF	0' - 11"	5' - 5"
27	P	8 SF	0' - 10 1/4"	9' - 0"
28	P	11 SF		
29	P	4 SF	0' - 8"	5' - 8 3/4"
30	P	3 SF	0' - 10"	3' - 3 3/4"
31	P	6 SF	0' - 6"	11' - 10 1/4"
33	P	6 SF	0' - 10 1/2"	7' - 3"
34	P	4 SF	0' - 8"	6' - 0"
35	P	5 SF	1' - 2"	3' - 11"
36	P	7 SF	1' - 2"	5' - 8 3/4"
37	P	2 SF	0' - 6"	3' - 1 3/4"
38	P	7 SF	0' - 6 1/2"	13' - 3 1/4"
40	P	4 SF	1' - 0"	3' - 7 3/4"
41	P	3 SF	0' - 7 1/2"	4' - 9"
42	P	4 SF	0' - 8"	6' - 0"
43	P	5 SF	1' - 2"	4' - 0 3/4"
44	P	3 SF	0' - 10"	3' - 8 1/2"
45	P	9 SF	0' - 11 1/2"	9' - 1 1/4"
46	P	5 SF	1' - 2"	4' - 8"
47	P	4 SF	0' - 8"	6' - 0"
48	P	3 SF	1' - 0"	3' - 3 3/4"
49	P	15 SF	1' - 4"	11' - 0 1/2"
50	P	2 SF	0' - 6"	3' - 1 3/4"
52	S	3 SF	0' - 8"	3' - 9"
53	S	13 SF	0' - 7 3/4"	19' - 9"
54	S	3 SF	0' - 8"	3' - 9"
55	S	18 SF	0' - 8"	27' - 3"
		521 SF		

MEP Deductions Legend
Plumbing Deduction
Mechanical Deduction
Stair Deduction

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

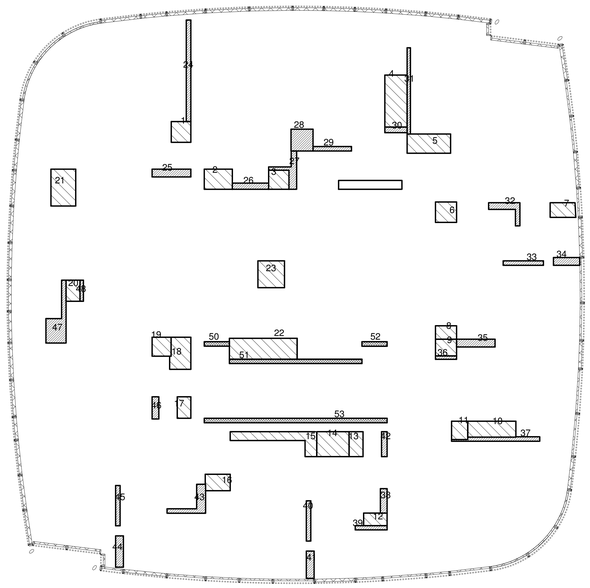
DWG TITLE:
2,3, 4-11, 12 FLOOR MEP DEDUCTION

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN WEST
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
Z-008.00
DWG NO.

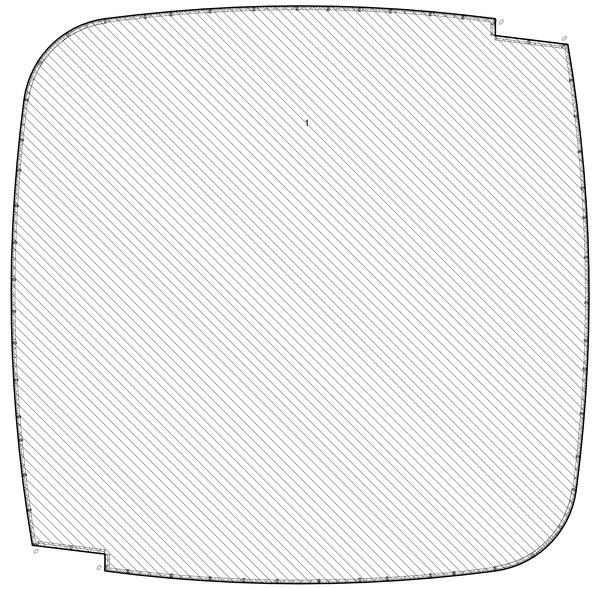
DEPT OF BLDGS 122132110 Job Number
E399995958D3 Scan Code

GHW- 13-26th Floor MEP Deductions				
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 13 T.O.S.				
1	M	9 SF	2' - 11"	3' - 1"
2	M	13 SF	3' - 0"	4' - 2 1/4"
3	M	9 SF	2' - 10"	3' - 0 1/4"
4	M	26 SF	3' - 3 3/4"	7' - 9"
5	M	18 SF	2' - 10 1/4"	6' - 5 3/4"
6	M	10 SF	3' - 0 1/2"	3' - 1 3/4"
7	M	8 SF	2' - 2 1/4"	3' - 9 1/4"
8	M	6 SF	2' - 0"	3' - 1 3/4"
9	M	8 SF	2' - 6"	3' - 1 3/4"
10	M	17 SF	2' - 4 1/2"	7' - 2"
11	M	7 SF	2' - 5"	2' - 8 3/4"
12	M	7 SF	1' - 10 1/2"	3' - 6"
13	M	8 SF	2' - 1"	3' - 8 1/2"
14	M	18 SF	3' - 8 1/2"	4' - 9 3/4"
15	M	21 SF	1' - 4 3/4"	15' - 1 1/4"
16	M	9 SF	2' - 5"	3' - 9 1/4"
17	M	6 SF	2' - 0 1/4"	3' - 2 1/2"
18	M	14 SF	2' - 10"	5' - 1 1/4"
19	M	8 SF	2' - 10"	2' - 10"
20	M	7 SF	2' - 1"	3' - 1 3/4"
21	M	20 SF	3' - 8 1/4"	5' - 6"
22	M	31 SF	3' - 1 1/2"	10' - 1"
23	M	16 SF	3' - 11 1/2"	4' - 0"
24	P	10 SF	0' - 8"	15' - 1 1/2"
25	P	7 SF	1' - 2"	5' - 9 1/4"
26	P	5 SF	0' - 11"	5' - 5"
27	P	7 SF	0' - 9 1/2"	9' - 1"
28	P	11 SF	3' - 3"	3' - 3 1/4"
29	P	4 SF	0' - 8"	5' - 8 3/4"
30	P	3 SF	0' - 10"	3' - 3 3/4"
31	P	6 SF	0' - 6"	12' - 10 1/4"
32	P	6 SF	0' - 10 1/2"	7' - 3"
33	P	4 SF	0' - 8"	6' - 0"
34	P	5 SF	1' - 2"	3' - 11"
35	P	7 SF	1' - 2"	5' - 8 3/4"
36	P	2 SF	0' - 6"	3' - 1 3/4"
37	P	7 SF	0' - 6 1/2"	13' - 3 1/4"
38	P	4 SF	1' - 0"	3' - 7 3/4"
39	P	3 SF	0' - 7 1/2"	4' - 9"
40	P	4 SF	0' - 8"	6' - 0"
41	P	5 SF	1' - 2"	4' - 1"
42	P	3 SF	0' - 8"	6' - 0"
43	P	4 SF	1' - 0"	3' - 3 3/4"
44	P	15 SF	1' - 4"	11' - 0 1/2"
48	P	2 SF	0' - 6"	3' - 1 3/4"
50	S	3 SF	0' - 8"	3' - 9"
51	S	13 SF	0' - 7 3/4"	19' - 9"
52	S	3 SF	0' - 8"	3' - 9"
53	S	18 SF	0' - 8"	27' - 3"
		470 SF		



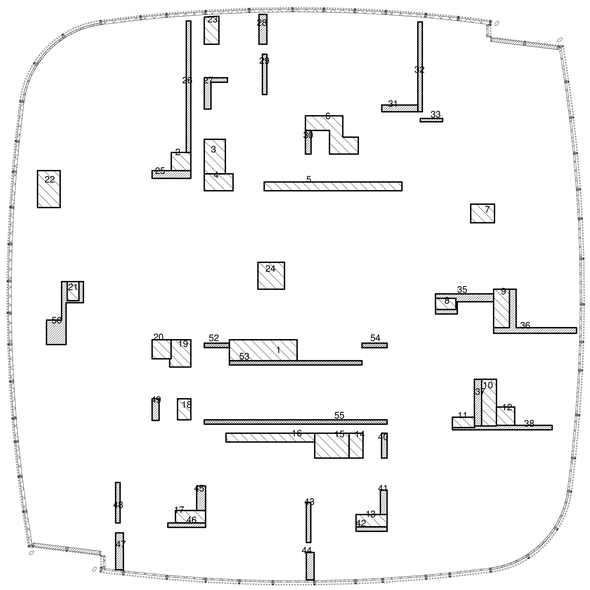
1 LEVEL 13 T.O.S.
1/8" = 1'-0"

GHW- 27th Floor MEP Deductions				
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 27 (MECHANICAL)				
1	M	6901 SF		
		6901 SF		



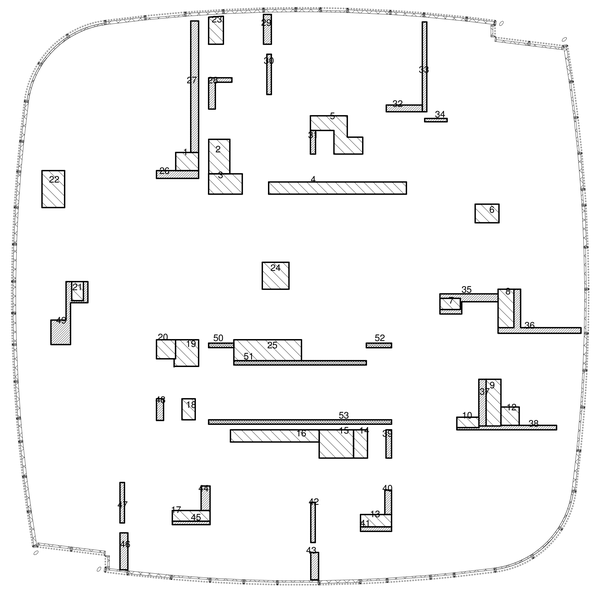
2 LEVEL 27 (MECHANICAL)
1/8" = 1'-0"

GHW- 28-38th Floor MEP Deductions				
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 28				
1	M	31 SF	3' - 1 1/2"	10' - 1"
2	M	8 SF	2' - 8 1/2"	2' - 11"
3	M	16 SF	3' - 1 3/4"	5' - 1 3/4"
4	M	11 SF	2' - 6 1/4"	4' - 3 1/2"
5	M	27 SF	1' - 3 3/4"	20' - 6 1/4"
6	M	25 SF	2' - 2 1/4"	11' - 4 3/4"
7	M	10 SF	2' - 9 1/4"	3' - 6 1/2"
8	M	5 SF	1' - 8"	3' - 0 1/2"
9	M	13 SF	2' - 4 1/4"	5' - 8 3/4"
10	M	15 SF	2' - 2 1/2"	6' - 11 1/2"
11	M	5 SF	1' - 6 1/2"	3' - 3 1/2"
12	M	7 SF		
13	M	8 SF	1' - 10"	4' - 7 1/2"
14	M	8 SF	2' - 1"	3' - 8 1/2"
15	M	19 SF	3' - 8 1/2"	5' - 1 1/2"
16	M	17 SF	1' - 3 3/4"	13' - 2 1/2"
17	M	8 SF	1' - 10 1/4"	4' - 6"
18	M	6 SF	1' - 11 3/4"	3' - 1 1/2"
19	M	12 SF	2' - 8 1/2"	4' - 6"
20	M	8 SF	2' - 10"	2' - 10"
21	M	5 SF	1' - 9"	2' - 10"
22	M	19 SF	3' - 4 1/2"	5' - 6"
23	M	9 SF	2' - 2 1/4"	4' - 1 1/4"
24	M	16 SF	3' - 11 1/2"	4' - 0"
25	P	7 SF	1' - 2"	5' - 8 3/4"
26	P	13 SF	0' - 8"	19' - 6 3/4"
27	P	6 SF	0' - 10 1/2"	7' - 3"
28	P	5 SF	1' - 2"	4' - 5 1/4"
29	P	4 SF	0' - 8"	6' - 0"
30	P	3 SF	0' - 10"	3' - 6 1/4"
31	P	5 SF	1' - 0"	5' - 4 1/2"
32	P	9 SF	0' - 8"	13' - 4 1/2"
33	P	2 SF	0' - 6"	3' - 4"
35	P	11 SF	0' - 9 1/2"	13' - 11"
36	P	16 SF	0' - 10 3/4"	18' - 0 1/4"
37	P	7 SF	1' - 0 3/4"	6' - 11 1/2"
38	P	8 SF	0' - 6 3/4"	14' - 11 1/2"
40	P	3 SF	0' - 10"	3' - 8 1/2"
41	P	4 SF	1' - 0"	4' - 0 3/4"
42	P	3 SF	0' - 8"	4' - 7 1/2"
43	P	4 SF	0' - 8"	6' - 0"
44	P	5 SF	1' - 2"	4' - 1"
45	P	5 SF	1' - 4"	3' - 7 3/4"
46	P	4 SF	0' - 8"	5' - 7 1/2"
47	P	6 SF	1' - 2"	5' - 6"
48	P	4 SF	0' - 8"	6' - 0 1/4"
49	P	3 SF	1' - 0 1/2"	3' - 2 3/4"
50	P	18 SF	1' - 0 3/4"	16' - 7 3/4"
52	S	3 SF	0' - 8"	3' - 9"
53	S	13 SF	0' - 7 3/4"	19' - 9"
54	S	3 SF	0' - 8"	3' - 9"
55	S	18 SF	0' - 8"	27' - 3"
		501 SF		



3 LEVEL 28
1/8" = 1'-0"

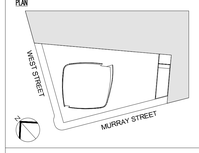
GHW- 39th Floor MEP Deductions				
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 39				
1	M	9 SF	2' - 8 1/2"	3' - 5"
2	M	16 SF	3' - 1 3/4"	5' - 1 3/4"
3	M	15 SF	3' - 0 1/4"	5' - 0"
4	M	37 SF	1' - 9 3/4"	20' - 6 1/4"
5	M	25 SF	2' - 2 1/4"	11' - 3 3/4"
6	M	10 SF	2' - 9 1/4"	3' - 6 1/2"
7	M	5 SF	1' - 8"	3' - 0 1/2"
8	M	13 SF	2' - 4 1/4"	5' - 8 3/4"
9	M	15 SF	2' - 2 1/2"	6' - 11 1/2"
10	M	5 SF	1' - 6 1/2"	3' - 3 1/2"
12	M	7 SF		
13	M	8 SF	1' - 10"	4' - 7 1/2"
14	M	9 SF	2' - 1"	4' - 2 1/2"
15	M	22 SF	4' - 2 1/2"	5' - 1 1/2"
16	M	24 SF	1' - 9 3/4"	13' - 2 1/2"
17	M	9 SF	1' - 7 1/4"	5' - 7 1/2"
18	M	6 SF	1' - 11 3/4"	3' - 1 1/2"
19	M	14 SF	3' - 0 1/4"	4' - 7"
20	M	8 SF	2' - 10"	2' - 10"
21	M	5 SF	1' - 9"	2' - 10"
22	M	19 SF	3' - 4 1/2"	5' - 6"
23	M	9 SF	2' - 2 1/4"	4' - 1 1/4"
24	M	16 SF	3' - 11 1/2"	4' - 0"
25	M	31 SF	3' - 1 1/2"	10' - 1"
26	P	7 SF	1' - 2"	6' - 2 3/4"
27	P	23 SF	1' - 2"	19' - 7"
28	P	6 SF	0' - 10 1/2"	7' - 3"
29	P	5 SF	1' - 2"	4' - 5 1/4"
30	P	4 SF	0' - 8"	6' - 0"
31	P	3 SF	0' - 9"	3' - 6 1/4"
32	P	5 SF	1' - 0"	5' - 4 1/2"
33	P	9 SF	0' - 8"	13' - 4 1/2"
34	P	2 SF	0' - 6"	3' - 4"
35	P	11 SF	0' - 9 1/2"	13' - 11"
36	P	16 SF	0' - 10 3/4"	18' - 0 1/4"
37	P	7 SF	1' - 0 3/4"	6' - 11 1/2"
38	P	8 SF	0' - 6 3/4"	14' - 11 1/2"
39	P	4 SF	0' - 10"	4' - 2 1/2"
40	P	4 SF	1' - 0"	3' - 7 3/4"
41	P	3 SF	0' - 8"	4' - 7 1/2"
42	P	4 SF	0' - 8"	6' - 0"
43	P	5 SF	1' - 2"	4' - 1"
44	P	5 SF	1' - 4"	3' - 7 3/4"
45	P	3 SF	0' - 6"	5' - 7 1/2"
46	P	6 SF	1' - 2"	5' - 6"
47	P	4 SF	0' - 8"	6' - 0 1/4"
48	P	3 SF	1' - 0 1/2"	3' - 2 3/4"
49	P	18 SF	1' - 0 3/4"	16' - 7 3/4"
50	S	3 SF	0' - 8"	3' - 9"
51	S	13 SF	0' - 7 3/4"	19' - 9"
52	S	3 SF	0' - 8"	3' - 9"
53	S	18 SF	0' - 8"	27' - 3"
		539 SF		



4 LEVEL 39
1/8" = 1'-0"

MEP Deductions Legend
- Plumbing Deduction
- Mechanical Deduction
- Stair Deduction

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

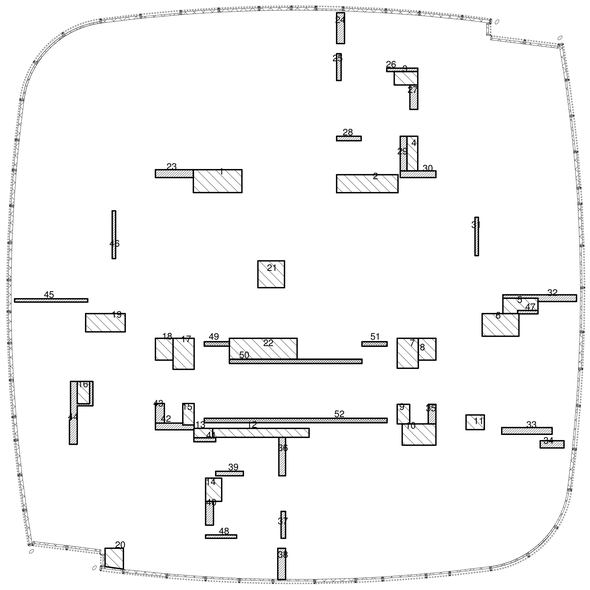
DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
13-26, 27, 28-38, 39 FLOOR MEP DEDUCTIONS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH STEPHEN HILL
No. 029884
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
Z-009.00
DWG NO.

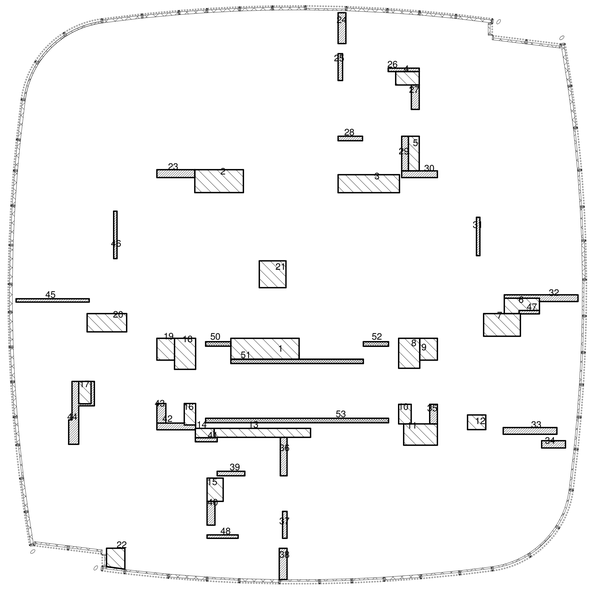
DEPT OF BLDGS 321323110 Job Number
B1535950420 Scan Code



1 LEVEL 40
1/8" = 1'-0"

GHW- 40th Floor MEP Deductions

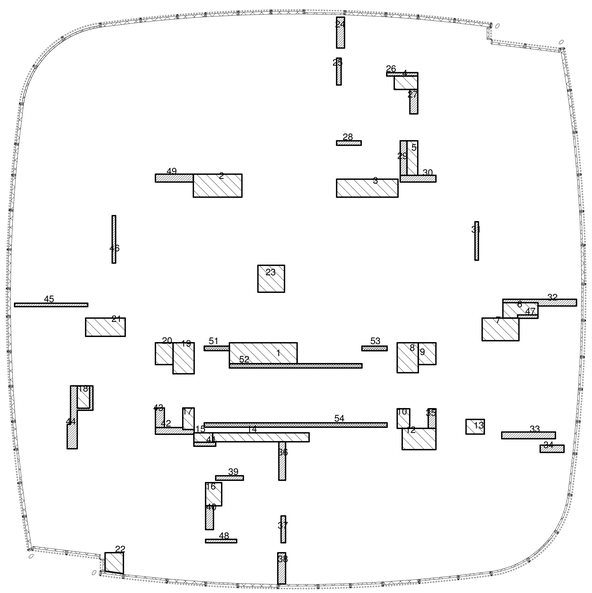
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 40				
1	M	25 SF	3' - 5"	7' - 3"
2	M	24 SF	2' - 8"	9' - 1 3/4"
3	M	7 SF	2' - 0"	3' - 6"
4	M	8 SF	1' - 7 1/4"	5' - 1 3/4"
5	M	11 SF	1' - 10 1/2"	5' - 7 3/4"
6	M	18 SF	3' - 4 1/2"	5' - 5 3/4"
7	M	14 SF	3' - 1 3/4"	4' - 5 1/2"
8	M	9 SF	2' - 7 1/2"	3' - 3"
9	M	5 SF	1' - 10 1/2"	2' - 11"
10	M	16 SF	3' - 2"	5' - 0 1/4"
11	M	6 SF	2' - 2 1/4"	2' - 8 1/2"
12	M	19 SF	1' - 4"	14' - 4 1/4"
13	M	4 SF	1' - 5"	2' - 9"
14	M	8 SF	2' - 4 3/4"	3' - 5 1/2"
15	M	5 SF	1' - 8 1/4"	3' - 2 1/2"
16	M	6 SF	1' - 10"	3' - 4"
17	M	15 SF	3' - 1 3/4"	4' - 7 1/2"
18	M	9 SF	2' - 7 1/2"	3' - 3"
19	M	16 SF	2' - 8 3/4"	5' - 10 3/4"
20	M	8 SF	2' - 7 1/2"	3' - 0 1/2"
21	M	16 SF	3' - 11 1/2"	4' - 0"
22	M	31 SF	3' - 1 1/2"	10' - 1"
23	P	7 SF	1' - 2"	5' - 7 3/4"
24	P	5 SF	1' - 2"	4' - 7 1/4"
25	P	3 SF	0' - 8"	4' - 0"
26	P	2 SF	0' - 6"	4' - 7 1/2"
27	P	4 SF	1' - 2"	3' - 7 3/4"
28	P	2 SF	0' - 8"	3' - 7 3/4"
29	P	5 SF	1' - 0"	5' - 1 3/4"
30	P	5 SF	1' - 0"	5' - 3 3/4"
31	P	3 SF	0' - 6"	5' - 8 3/4"
32	P	8 SF	0' - 9"	11' - 2 3/4"
33	P	7 SF	1' - 0"	7' - 6"
34	P	4 SF	1' - 1"	3' - 6 1/2"
35	P	3 SF	1' - 1 3/4"	2' - 11"
36	P	6 SF	1' - 0"	5' - 8 3/4"
37	P	3 SF	0' - 8"	4' - 0"
38	P	5 SF	1' - 2"	4' - 7 3/4"
39	P	3 SF	0' - 8"	4' - 1 1/2"
40	P	4 SF	1' - 2"	3' - 6 1/2"
41	P	2 SF	0' - 7 1/4"	3' - 3"
42	P	5 SF	0' - 10 3/4"	5' - 10 1/2"
43	P	4 SF	1' - 4"	2' - 11"
44	P	12 SF	0' - 9 3/4"	15' - 4 3/4"
45	P	5 SF	0' - 6"	10' - 10 3/4"
46	P	4 SF	0' - 6"	7' - 1 1/2"
47	P	2 SF	0' - 6"	3' - 0 1/2"
48	P	2 SF	0' - 6"	4' - 7 1/2"
49	S	3 SF	0' - 8"	3' - 9"
50	S	13 SF	0' - 7 3/4"	19' - 9"
51	S	3 SF	0' - 8"	3' - 9"
52	S	18 SF	0' - 8"	27' - 3"
		433 SF		



2 LEVEL 41
1/8" = 1'-0"

GHW- 41st Floor MEP Deductions

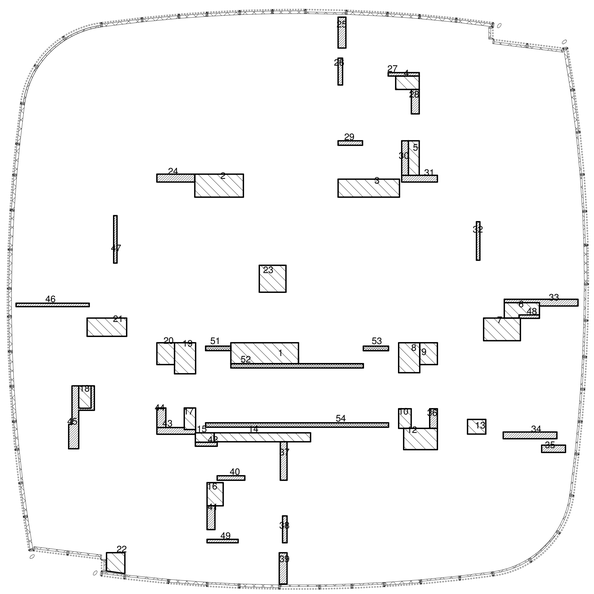
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 41				
1	M	32 SF	3' - 1 1/2"	10' - 2 1/4"
2	M	25 SF	3' - 5"	7' - 3"
3	M	24 SF	2' - 8"	9' - 1 3/4"
4	M	7 SF	2' - 0"	3' - 6"
5	M	8 SF	1' - 7 1/4"	5' - 1 3/4"
6	M	11 SF	1' - 10 1/2"	5' - 7 3/4"
7	M	18 SF	3' - 4 1/2"	5' - 5 3/4"
8	M	14 SF	3' - 1 3/4"	4' - 5 1/2"
9	M	9 SF	2' - 7 1/2"	3' - 3"
10	M	5 SF	1' - 10 1/2"	2' - 11"
11	M	16 SF	3' - 2"	5' - 0 1/4"
12	M	6 SF	2' - 2 1/4"	2' - 8 1/2"
13	M	19 SF	1' - 4"	14' - 4 1/4"
14	M	4 SF	1' - 5"	2' - 9"
15	M	8 SF	2' - 4 3/4"	3' - 5 1/2"
16	M	5 SF	1' - 8 1/4"	3' - 2 1/2"
17	M	6 SF	1' - 10"	3' - 4"
18	M	15 SF	3' - 1 3/4"	4' - 7 1/2"
19	M	9 SF	2' - 7 1/2"	3' - 3"
20	M	16 SF	2' - 8 3/4"	5' - 10 3/4"
21	M	16 SF	3' - 11 1/2"	4' - 0"
22	M	8 SF	2' - 7 1/2"	3' - 0 1/2"
23	P	7 SF	1' - 2"	5' - 7 3/4"
24	P	5 SF	1' - 2"	4' - 7 1/4"
25	P	3 SF	0' - 8"	4' - 0"
26	P	2 SF	0' - 6"	4' - 7 1/2"
27	P	4 SF	1' - 2"	3' - 7 3/4"
28	P	2 SF	0' - 8"	3' - 7 3/4"
29	P	5 SF	1' - 0"	5' - 1 3/4"
30	P	5 SF	1' - 0"	5' - 3 3/4"
31	P	3 SF	0' - 6"	5' - 8 3/4"
32	P	8 SF	0' - 9"	11' - 2 3/4"
33	P	8 SF	1' - 0"	8' - 0"
34	P	4 SF	1' - 1"	3' - 6 1/2"
35	P	3 SF	1' - 1 3/4"	2' - 11"
36	P	6 SF	1' - 0"	5' - 8 3/4"
37	P	3 SF	0' - 8"	4' - 0"
38	P	5 SF	1' - 2"	4' - 7 3/4"
39	P	3 SF	0' - 8"	4' - 1 1/2"
40	P	4 SF	1' - 2"	3' - 6 1/2"
41	P	2 SF	0' - 7 1/4"	3' - 3"
42	P	5 SF	0' - 10 3/4"	5' - 10 1/2"
43	P	4 SF	1' - 4"	2' - 11"
44	P	14 SF	0' - 10 1/2"	15' - 8"
45	P	5 SF	0' - 6"	10' - 10 3/4"
46	P	4 SF	0' - 6"	7' - 0 3/4"
47	P	2 SF	0' - 6"	3' - 0 1/2"
48	P	2 SF	0' - 6"	4' - 7 1/2"
49	P	7 SF	1' - 2"	5' - 7 3/4"
50	S	3 SF	0' - 8"	3' - 9"
51	S	13 SF	0' - 7 3/4"	19' - 9"
52	S	3 SF	0' - 8"	3' - 9"
53	S	18 SF	0' - 8"	27' - 3"
		435 SF		



3 LEVEL 42
1/8" = 1'-0"

GHW- 42nd Floor MEP Deductions

Number	Deduction Type	Area	Area Length	Area Width
LEVEL 42				
1	M	31 SF	3' - 1 1/2"	10' - 1"
2	M	25 SF	3' - 5"	7' - 3"
3	M	24 SF	2' - 8"	9' - 1 3/4"
4	M	7 SF	2' - 0"	3' - 6"
5	M	8 SF	1' - 7 1/4"	5' - 1 3/4"
6	M	11 SF	1' - 10 1/2"	5' - 7 3/4"
7	M	18 SF	3' - 4 1/2"	5' - 5 3/4"
8	M	14 SF	3' - 1 3/4"	4' - 5 1/2"
9	M	9 SF	2' - 7 1/2"	3' - 3"
10	M	5 SF	1' - 10 1/2"	2' - 11"
12	M	16 SF	3' - 2"	5' - 0 1/4"
13	M	6 SF	2' - 2 1/4"	2' - 8 1/2"
14	M	19 SF	1' - 4"	14' - 4 1/4"
15	M	4 SF	1' - 5"	2' - 9"
16	M	8 SF	2' - 4 3/4"	3' - 5 1/2"
17	M	5 SF	1' - 8 1/4"	3' - 2 1/2"
18	M	6 SF	1' - 10"	3' - 4"
19	M	15 SF	3' - 1 3/4"	4' - 7 1/2"
20	M	9 SF	2' - 7 1/2"	3' - 3"
21	M	16 SF	2' - 8 3/4"	5' - 10 3/4"
22	M	8 SF	2' - 7 1/2"	3' - 0 1/2"
23	M	16 SF	3' - 11 1/2"	4' - 0"
24	P	5 SF	1' - 2"	4' - 7 1/4"
25	P	3 SF	0' - 8"	4' - 0"
26	P	2 SF	0' - 6"	4' - 7 1/2"
27	P	4 SF	1' - 2"	3' - 7 3/4"
28	P	2 SF	0' - 8"	3' - 7 3/4"
29	P	5 SF	1' - 0"	5' - 1 3/4"
30	P	5 SF	1' - 0"	5' - 3 3/4"
31	P	3 SF	0' - 6"	5' - 8 3/4"
32	P	8 SF	0' - 9"	11' - 2 3/4"
33	P	8 SF	1' - 0"	8' - 0"
34	P	4 SF	1' - 1"	3' - 6 1/2"
35	P	3 SF	1' - 1 3/4"	2' - 11"
36	P	6 SF	1' - 0"	5' - 8 3/4"
37	P	3 SF	0' - 8"	4' - 0"
38	P	5 SF	1' - 2"	4' - 7 3/4"
39	P	3 SF	0' - 8"	4' - 1 1/2"
40	P	4 SF	1' - 2"	3' - 6 1/2"
41	P	2 SF	0' - 7 1/4"	3' - 3"
42	P	5 SF	0' - 10 3/4"	5' - 10 1/2"
43	P	4 SF	1' - 4"	2' - 11"
44	P	14 SF	0' - 10 1/2"	15' - 8"
45	P	5 SF	0' - 6"	10' - 10 3/4"
46	P	4 SF	0' - 6"	7' - 0 3/4"
47	P	2 SF	0' - 6"	3' - 0 1/2"
48	P	2 SF	0' - 6"	4' - 7 1/2"
49	P	7 SF	1' - 2"	5' - 7 3/4"
51	S	3 SF	0' - 8"	3' - 9"
52	S	13 SF	0' - 7 3/4"	19' - 9"
53	S	3 SF	0' - 8"	3' - 9"
54	S	18 SF	0' - 8"	27' - 3"
		435 SF		



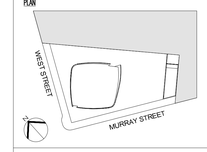
4 LEVEL 43
1/8" = 1'-0"

GHW- 43rd Floor MEP Deductions

Number	Deduction Type	Area	Area Length	Area Width
LEVEL 43				
1	M	31 SF	3' - 1 1/2"	10' - 1"
2	M	25 SF	3' - 5"	7' - 3"
3	M	24 SF	2' - 8"	9' - 1 3/4"
4	M	7 SF	2' - 0"	3' - 6"
5	M	8 SF	1' - 7 1/4"	5' - 1 3/4"
6	M	11 SF	1' - 10 1/2"	5' - 7 3/4"
7	M	18 SF	3' - 4 1/2"	5' - 5 3/4"
8	M	14 SF	3' - 1 3/4"	4' - 5 1/2"
9	M	9 SF	2' - 7 1/2"	3' - 3"
10	M	5 SF	1' - 10 1/2"	2' - 11"
12	M	16 SF	3' - 2"	5' - 0 1/4"
13	M	6 SF	2' - 2 1/4"	2' - 8 1/2"
14	M	19 SF	1' - 4"	14' - 4 1/4"
15	M	4 SF	1' - 5"	2' - 9"
16	M	8 SF	2' - 4 3/4"	3' - 5 1/2"
17	M	5 SF	1' - 8 1/4"	3' - 2 1/2"
18	M	6 SF	1' - 10"	3' - 4"
19	M	15 SF	3' - 1 3/4"	4' - 7 1/2"
20	M	9 SF	2' - 7 1/2"	3' - 3"
21	M	16 SF	2' - 8 3/4"	5' - 10 3/4"
22	M	8 SF	2' - 7 1/2"	3' - 0 1/2"
23	M	16 SF	3' - 11 1/2"	4' - 0"
24	P	7 SF	1' - 2"	5' - 7 3/4"
25	P	5 SF	1' - 2"	4' - 7 1/4"
26	P	3 SF	0' - 8"	4' - 0"
27	P	2 SF	0' - 6"	4' - 7 1/2"
28	P	4 SF	1' - 2"	3' - 7 3/4"
29	P	2 SF	0' - 8"	3' - 7 3/4"
30	P	5 SF	1' - 0"	5' - 1 3/4"
31	P	5 SF	1' - 0"	5' - 3 3/4"
32	P	3 SF	0' - 6"	5' - 8 3/4"
33	P	8 SF	0' - 9"	11' - 2 3/4"
34	P	8 SF	1' - 0"	8' - 0"
35	P	4 SF	1' - 1"	3' - 6 1/2"
36	P	3 SF	1' - 1 3/4"	2' - 11"
37	P	6 SF	1' - 0"	5' - 8 3/4"
38	P	3 SF	0' - 8"	4' - 0"
39	P	5 SF	1' - 2"	4' - 7 3/4"
40	P	3 SF	0' - 8"	4' - 1 1/2"
41	P	4 SF	1' - 2"	3' - 6 1/2"
42	P	2 SF	0' - 7 1/4"	3' - 3"
43	P	5 SF	0' - 10 3/4"	5' - 10 1/2"
44	P	4 SF	1' - 4"	2' - 11"
45	P	14 SF	0' - 10 1/2"	15' - 8"
46	P	5 SF	0' - 6"	10' - 10 3/4"
47	P	4 SF	0' - 6"	7' - 1"
48	P	2 SF	0' - 6"	3' - 0 1/2"
49	P	2 SF	0' - 6"	4' - 7 1/2"
51	S	3 SF	0' - 8"	3' - 9"
52	S	13 SF	0' - 7 3/4"	19' - 9"
53	S	3 SF	0' - 8"	3' - 9"
54	S	18 SF	0' - 8"	27' - 3"
		435 SF		

MEP Deductions Legend
- Plumbing Deduction
- Mechanical Deduction
- Stair Deduction

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

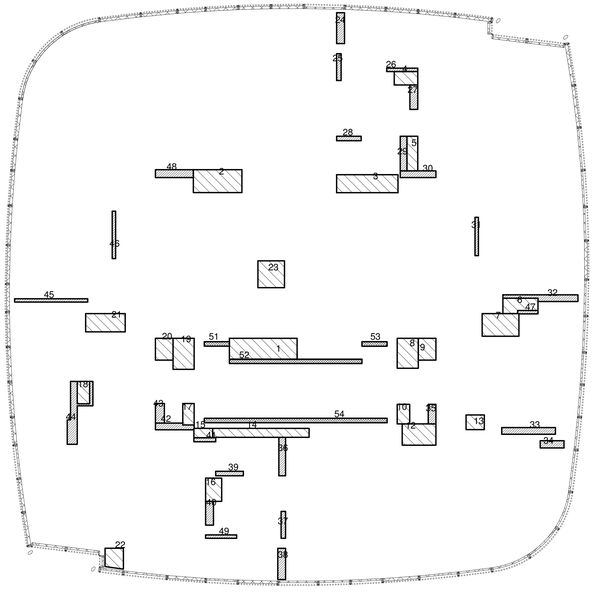
DWG TITLE:
40, 41, 42, 43 FLOOR MEP DEDUCTIONS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH STEPHEN HILL
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
Z-010.00
DWG NO.

DEPT OF BLDGS 121132110 Job Number

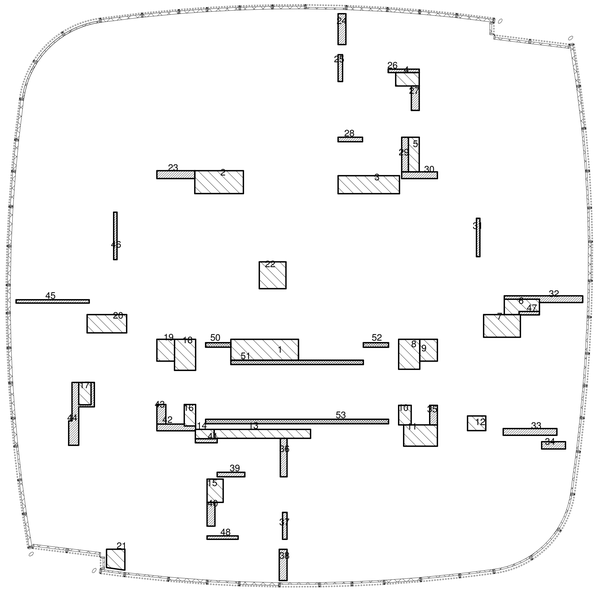
B3900087689 Scan Code



1 LEVEL 44
1/8" = 1'-0"

GHW- 44th Floor MEP Deductions

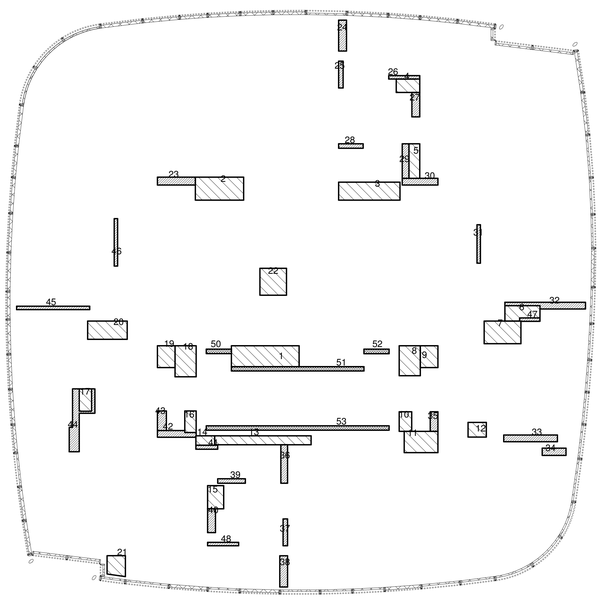
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 44				
1	M	31 SF	3' - 1 1/2"	10' - 1"
2	M	25 SF	3' - 5"	7' - 3"
3	M	24 SF	2' - 8"	9' - 1 3/4"
4	M	7 SF	2' - 0"	3' - 6"
5	M	8 SF	1' - 7 1/4"	5' - 1 3/4"
6	M	11 SF	1' - 10 1/2"	5' - 7 3/4"
7	M	18 SF	3' - 4 1/2"	5' - 5 3/4"
8	M	14 SF	3' - 1 3/4"	4' - 5 1/2"
9	M	9 SF	2' - 7 1/2"	3' - 3"
10	M	5 SF	1' - 10 1/2"	2' - 11"
11	M	16 SF	3' - 2"	5' - 0 1/4"
12	M	6 SF	2' - 2 1/4"	2' - 8 1/2"
13	M	19 SF	1' - 4"	14' - 4 1/4"
14	M	4 SF	1' - 5"	2' - 9"
15	M	8 SF	2' - 4 3/4"	3' - 5 1/2"
16	M	5 SF	1' - 8 1/4"	3' - 2 1/2"
17	M	6 SF	1' - 10"	3' - 4"
18	M	15 SF	3' - 1 3/4"	4' - 7 1/2"
19	M	9 SF	2' - 7 1/2"	3' - 3"
20	M	16 SF	2' - 8 3/4"	5' - 10 3/4"
21	M	8 SF	2' - 7 1/2"	3' - 0 1/2"
22	M	16 SF	3' - 11 1/2"	4' - 0"
23	M	16 SF	3' - 11 1/2"	4' - 0"
24	P	5 SF	1' - 2"	4' - 7 1/4"
25	P	3 SF	0' - 8"	4' - 0"
26	P	2 SF	0' - 6"	4' - 7 1/2"
27	P	4 SF	1' - 2"	3' - 7 3/4"
28	P	2 SF	0' - 8"	3' - 7 3/4"
29	P	5 SF	1' - 0"	5' - 1 3/4"
30	P	5 SF	1' - 0"	5' - 3 3/4"
31	P	3 SF	0' - 6"	5' - 8 3/4"
32	P	9 SF	0' - 9"	11' - 5 1/4"
33	P	8 SF	1' - 0"	8' - 0"
34	P	4 SF	1' - 1"	3' - 6 1/2"
35	P	3 SF	1' - 1 3/4"	2' - 11"
36	P	6 SF	1' - 0"	5' - 8 3/4"
37	P	3 SF	0' - 8"	4' - 0"
38	P	5 SF	1' - 2"	4' - 7 3/4"
39	P	3 SF	0' - 8"	4' - 1 1/2"
40	P	4 SF	1' - 2"	3' - 6 1/2"
41	P	2 SF	0' - 7 1/4"	3' - 3"
42	P	5 SF	0' - 10 3/4"	5' - 10 1/2"
43	P	4 SF	1' - 4"	2' - 11"
44	P	14 SF	0' - 10 1/2"	15' - 8"
45	P	5 SF	0' - 6"	10' - 10 3/4"
46	P	4 SF	0' - 6"	7' - 1"
47	P	2 SF	0' - 6"	3' - 0 1/2"
48	P	7 SF	1' - 2"	5' - 7 3/4"
49	P	2 SF	0' - 6"	4' - 7 1/2"
51	S	3 SF	0' - 8"	3' - 9"
52	S	13 SF	0' - 7 3/4"	19' - 9"
53	S	3 SF	0' - 8"	3' - 9"
54	S	18 SF	0' - 8"	27' - 3"
		435 SF		



2 LEVEL 45
1/8" = 1'-0"

GHW- 45th Floor MEP Deductions

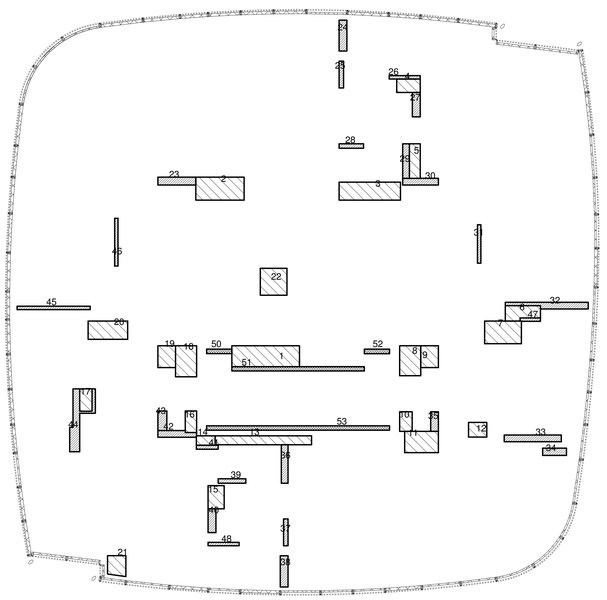
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 45				
1	M	31 SF	3' - 1 1/2"	10' - 1"
2	M	25 SF	3' - 5"	7' - 3"
3	M	24 SF	2' - 8"	9' - 1 3/4"
4	M	7 SF	2' - 0"	3' - 6"
5	M	8 SF	1' - 7 1/4"	5' - 1 3/4"
6	M	11 SF	1' - 10 1/2"	5' - 7 3/4"
7	M	18 SF	3' - 4 1/2"	5' - 5 3/4"
8	M	14 SF	3' - 1 3/4"	4' - 5 1/2"
9	M	9 SF	2' - 7 1/2"	3' - 3"
10	M	5 SF	1' - 10 1/2"	2' - 11"
11	M	16 SF	3' - 2"	5' - 0 1/4"
12	M	6 SF	2' - 2 1/4"	2' - 8 1/2"
13	M	19 SF	1' - 4"	14' - 4 1/4"
14	M	4 SF	1' - 5"	2' - 9"
15	M	8 SF	2' - 4 3/4"	3' - 5 1/2"
16	M	5 SF	1' - 8 1/4"	3' - 2 1/2"
17	M	6 SF	1' - 10"	3' - 4"
18	M	15 SF	3' - 1 3/4"	4' - 7 1/2"
19	M	9 SF	2' - 7 1/2"	3' - 3"
20	M	16 SF	2' - 8 3/4"	5' - 10 3/4"
21	M	8 SF	2' - 7 1/2"	3' - 0 1/2"
22	M	16 SF	3' - 11 1/2"	4' - 0"
23	P	7 SF	1' - 2"	5' - 7 3/4"
24	P	5 SF	1' - 2"	4' - 7 1/4"
25	P	3 SF	0' - 8"	4' - 0"
26	P	2 SF	0' - 6"	4' - 7 1/2"
27	P	4 SF	1' - 2"	3' - 7 3/4"
28	P	2 SF	0' - 8"	3' - 7 3/4"
29	P	5 SF	1' - 0"	5' - 1 3/4"
30	P	5 SF	1' - 0"	5' - 3 3/4"
31	P	3 SF	0' - 6"	5' - 8 3/4"
32	P	3 SF	0' - 6"	5' - 8 3/4"
33	P	9 SF	0' - 9 1/4"	11' - 11"
34	P	4 SF	1' - 0"	8' - 0"
35	P	4 SF	1' - 1"	3' - 6 1/2"
36	P	3 SF	1' - 1 3/4"	2' - 11"
37	P	6 SF	1' - 0"	5' - 8 3/4"
38	P	3 SF	0' - 8"	4' - 0"
39	P	5 SF	1' - 2"	4' - 7 3/4"
40	P	4 SF	1' - 2"	3' - 6 1/2"
41	P	2 SF	0' - 7 1/4"	3' - 3"
42	P	5 SF	0' - 10 3/4"	5' - 10 1/2"
43	P	4 SF	1' - 4"	2' - 11"
44	P	14 SF	0' - 10 1/2"	15' - 8"
45	P	5 SF	0' - 6"	10' - 10 3/4"
46	P	4 SF	0' - 6"	7' - 1 1/2"
47	P	2 SF	0' - 6"	3' - 0 1/2"
48	P	2 SF	0' - 6"	4' - 7 1/2"
50	S	3 SF	0' - 8"	3' - 9"
51	S	13 SF	0' - 7 3/4"	19' - 9"
52	S	3 SF	0' - 8"	3' - 9"
53	S	18 SF	0' - 8"	27' - 3"
		436 SF		



3 LEVEL 46
1/8" = 1'-0"

GHW- 46th Floor MEP Deductions

Number	Deduction Type	Area	Area Length	Area Width
LEVEL 46				
1	M	31 SF	3' - 1 1/2"	10' - 1"
2	M	25 SF	3' - 5"	7' - 2 1/2"
3	M	24 SF	2' - 8"	9' - 1 3/4"
4	M	7 SF	2' - 0"	3' - 6"
5	M	8 SF	1' - 7 1/4"	5' - 1 3/4"
6	M	11 SF	1' - 10 1/2"	5' - 7 3/4"
7	M	18 SF	3' - 4 1/2"	5' - 5 3/4"
8	M	14 SF	3' - 1 3/4"	4' - 5 1/2"
9	M	9 SF	2' - 7 1/2"	3' - 3"
10	M	5 SF	1' - 10 1/2"	2' - 11"
11	M	16 SF	3' - 2"	5' - 0 1/4"
12	M	6 SF	2' - 2 1/4"	2' - 8 1/2"
13	M	19 SF	1' - 4"	14' - 4 1/4"
14	M	4 SF	1' - 5"	2' - 9"
15	M	8 SF	2' - 4 3/4"	3' - 5 1/2"
16	M	5 SF	1' - 8 1/4"	3' - 2 1/2"
17	M	6 SF	1' - 10"	3' - 4"
18	M	15 SF	3' - 1 3/4"	4' - 7 1/2"
19	M	9 SF	2' - 7 1/2"	3' - 3"
20	M	16 SF	2' - 8 3/4"	5' - 10 3/4"
21	M	8 SF	2' - 7 1/2"	3' - 0 1/2"
22	M	16 SF	3' - 11 1/2"	4' - 0"
23	P	7 SF	1' - 2"	5' - 7 3/4"
24	P	5 SF	1' - 2"	4' - 7 1/4"
25	P	3 SF	0' - 8"	4' - 0"
26	P	2 SF	0' - 6"	4' - 7 1/2"
27	P	4 SF	1' - 2"	3' - 7 3/4"
28	P	2 SF	0' - 8"	3' - 7 3/4"
29	P	5 SF	1' - 0"	5' - 1 3/4"
30	P	5 SF	1' - 0"	5' - 3 3/4"
31	P	3 SF	0' - 6"	5' - 8 3/4"
32	P	9 SF	0' - 9 1/4"	12' - 3"
33	P	8 SF	1' - 0"	8' - 0"
34	P	4 SF	1' - 1"	3' - 6 1/2"
35	P	3 SF	1' - 1 3/4"	2' - 11"
36	P	6 SF	1' - 0"	5' - 8 3/4"
37	P	3 SF	0' - 8"	4' - 0"
38	P	5 SF	1' - 2"	4' - 7 3/4"
39	P	3 SF	0' - 8"	4' - 1 1/2"
40	P	4 SF	1' - 2"	3' - 6 1/2"
41	P	2 SF	0' - 7 1/4"	3' - 3"
42	P	5 SF	0' - 10 3/4"	5' - 10 1/2"
43	P	4 SF	1' - 4"	2' - 11"
44	P	14 SF	0' - 10 1/2"	15' - 8"
45	P	5 SF	0' - 6"	10' - 10 3/4"
46	P	4 SF	0' - 6"	7' - 1"
47	P	2 SF	0' - 6"	3' - 0 1/2"
48	P	2 SF	0' - 6"	4' - 7 1/2"
50	S	3 SF	0' - 8"	3' - 9"
51	S	13 SF	0' - 7 3/4"	19' - 9"
52	S	3 SF	0' - 8"	3' - 9"
53	S	18 SF	0' - 8"	27' - 3"
		436 SF		



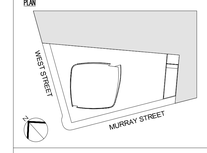
4 LEVEL 47
1/8" = 1'-0"

GHW- 47th Floor MEP Deductions

Number	Deduction Type	Area	Area Length	Area Width
LEVEL 47				
1	M	31 SF	3' - 1 1/2"	10' - 1"
2	M	25 SF	3' - 5"	7' - 2 1/2"
3	M	24 SF	2' - 8"	9' - 1 3/4"
4	M	7 SF	2' - 0"	3' - 6"
5	M	8 SF	1' - 7 1/4"	5' - 1 3/4"
6	M	11 SF	1' - 10 1/2"	5' - 7 3/4"
7	M	18 SF	3' - 4 1/2"	5' - 5 3/4"
8	M	14 SF	3' - 1 3/4"	4' - 5 1/2"
9	M	9 SF	2' - 7 1/2"	3' - 3"
10	M	5 SF	1' - 10 1/2"	2' - 11"
11	M	16 SF	3' - 2"	5' - 0 1/4"
12	M	6 SF	2' - 2 1/4"	2' - 8 1/2"
13	M	19 SF	1' - 4"	14' - 4 1/4"
14	M	4 SF	1' - 5"	2' - 9"
15	M	8 SF	2' - 4 3/4"	3' - 5 1/2"
16	M	5 SF	1' - 8 1/4"	3' - 2 1/2"
17	M	6 SF	1' - 10"	3' - 4"
18	M	15 SF	3' - 1 3/4"	4' - 7 1/2"
19	M	9 SF	2' - 7 1/2"	3' - 3"
20	M	16 SF	2' - 8 3/4"	5' - 10 3/4"
21	M	8 SF	2' - 7 1/2"	3' - 0 1/2"
22	M	16 SF	3' - 11 1/2"	4' - 0"
23	P	7 SF	1' - 2"	5' - 7 3/4"
24	P	5 SF	1' - 2"	4' - 7 1/4"
25	P	3 SF	0' - 8"	4' - 0"
26	P	2 SF	0' - 6"	4' - 7 1/2"
27	P	4 SF	1' - 2"	3' - 7 3/4"
28	P	2 SF	0' - 8"	3' - 7 3/4"
29	P	5 SF	1' - 0"	5' - 1 3/4"
30	P	5 SF	1' - 0"	5' - 3 3/4"
31	P	3 SF	0' - 6"	5' - 8 3/4"
32	P	10 SF	0' - 9 1/4"	12' - 7"
33	P	8 SF	1' - 0"	8' - 6"
34	P	4 SF	1' - 1"	3' - 6 1/2"
35	P	3 SF	1' - 1 3/4"	2' - 11"
36	P	6 SF	1' - 0"	5' - 8 3/4"
37	P	3 SF	0' - 8"	4' - 0"
38	P	5 SF	1' - 2"	4' - 7 3/4"
39	P	3 SF	0' - 8"	4' - 1 1/2"
40	P	4 SF	1' - 2"	3' - 6 1/2"
41	P	2 SF	0' - 7 1/4"	3' - 3"
42	P	5 SF	0' - 10 3/4"	5' - 10 1/2"
43	P	4 SF	1' - 4"	2' - 11"
44	P	14 SF	0' - 10 1/2"	15' - 8"
45	P	5 SF	0' - 6"	10' - 10 3/4"
46	P	4 SF	0' - 6"	7' - 1 1/2"
47	P	2 SF	0' - 6"	3' - 0 1/2"
48	P	2 SF	0' - 6"	4' - 7 1/2"
50	S	3 SF	0' - 8"	3' - 9"
51	S	13 SF	0' - 7 3/4"	19' - 9"
52	S	3 SF	0' - 8"	3' - 9"
53	S	18 SF	0' - 8"	27' - 3"
		437 SF		

MEP Deductions Legend
- Plumbing Deduction
- Mechanical Deduction
- Stair Deduction

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DCB BSCAN:
NB# 122132110

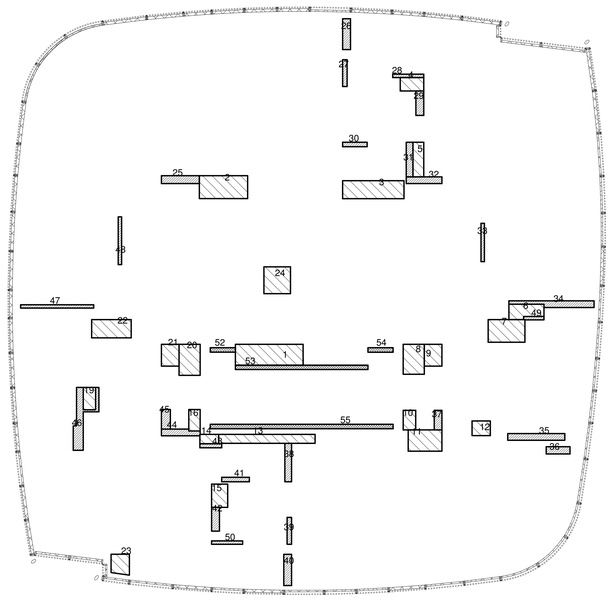
DCB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
44, 45, 46, 47 FLOOR MEP DEDUCTIONS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH STEPHEN PELL
No. 026890
STATE OF NEW YORK

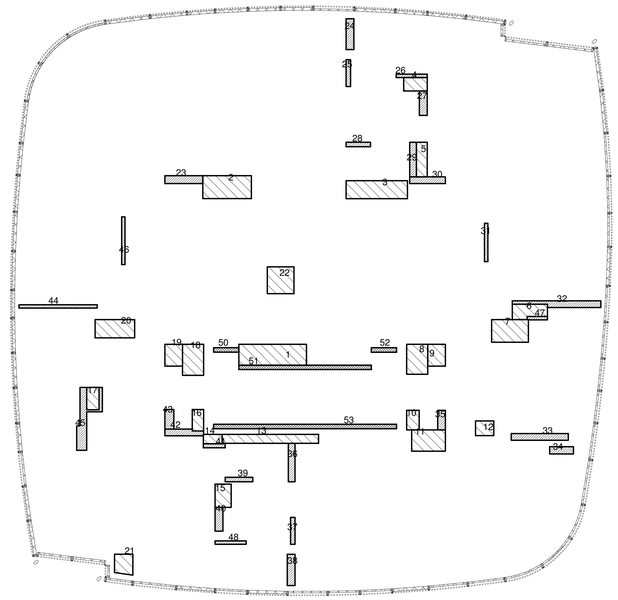
DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
Z-011.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
ES1249762S9 Scan Code



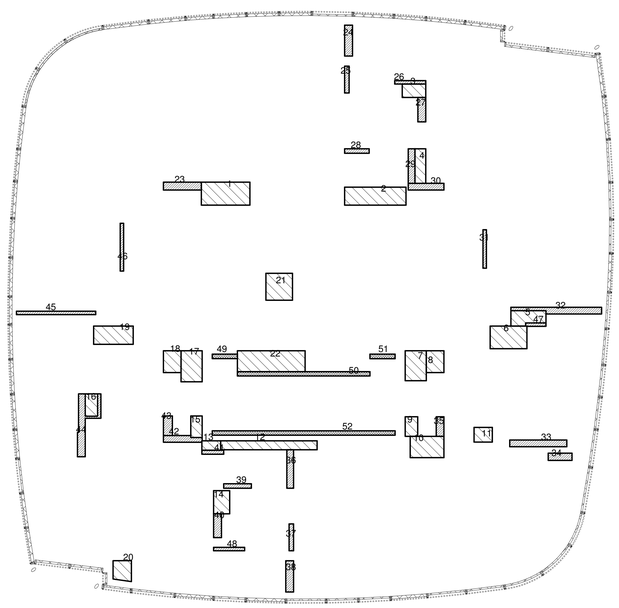
1 LEVEL 48
1/8" = 1'-0"

GHW- 48th Floor MEP Deductions				
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 48				
1	M	31 SF	3' - 1 1/2"	10' - 1"
2	M	25 SF	3' - 5"	7' - 2 1/2"
3	M	24 SF	2' - 8"	9' - 1 3/4"
4	M	7 SF	2' - 0"	3' - 6"
5	M	8 SF	1' - 7 1/4"	5' - 1 3/4"
6	M	11 SF	1' - 10 1/2"	5' - 7 3/4"
7	M	18 SF	3' - 4 1/2"	5' - 5 3/4"
8	M	14 SF	3' - 1 3/4"	4' - 5 1/2"
9	M	9 SF	2' - 7 1/2"	3' - 3"
10	M	5 SF	1' - 10 1/2"	2' - 11"
11	M	16 SF	3' - 2"	5' - 0 1/4"
12	M	6 SF	2' - 2 1/4"	2' - 8 1/2"
13	M	19 SF	1' - 4"	14' - 4 1/4"
14	M	4 SF	1' - 5"	2' - 9"
15	M	8 SF	2' - 4 3/4"	3' - 5 1/2"
16	M	5 SF	1' - 8 1/4"	3' - 2 1/2"
19	M	6 SF	1' - 10"	3' - 4"
20	M	15 SF	3' - 1 3/4"	4' - 7 1/2"
21	M	9 SF	2' - 7 1/2"	3' - 3"
22	M	16 SF	2' - 8 3/4"	5' - 10 3/4"
23	M	8 SF	2' - 7 1/2"	3' - 0 1/2"
24	M	16 SF	3' - 11 1/2"	4' - 0"
25	P	7 SF	1' - 2"	6' - 7 3/4"
26	P	5 SF	1' - 2"	4' - 7 1/4"
27	P	3 SF	0' - 8"	4' - 0"
28	P	2 SF	0' - 6"	4' - 7 1/2"
29	P	4 SF	1' - 2"	3' - 7 3/4"
30	P	2 SF	0' - 8"	3' - 7 3/4"
31	P	5 SF	1' - 0"	5' - 1 3/4"
32	P	5 SF	1' - 0"	5' - 3 3/4"
33	P	3 SF	0' - 6"	5' - 8 3/4"
34	P	10 SF	0' - 9 1/4"	12' - 11"
35	P	8 SF	1' - 0"	8' - 6"
36	P	4 SF	1' - 1"	3' - 6 1/2"
37	P	3 SF	1' - 1 3/4"	2' - 11"
38	P	6 SF	1' - 0"	5' - 8 3/4"
39	P	3 SF	0' - 8"	4' - 0"
40	P	5 SF	1' - 2"	4' - 7 3/4"
41	P	3 SF	0' - 8"	4' - 1 1/2"
42	P	4 SF	1' - 2"	3' - 6 1/2"
43	P	2 SF	0' - 7 1/4"	3' - 3"
44	P	5 SF	0' - 10 3/4"	5' - 10 1/2"
45	P	4 SF	1' - 4"	2' - 11"
46	P	14 SF	0' - 10 1/2"	15' - 8"
47	P	5 SF	0' - 6"	10' - 10 3/4"
48	P	4 SF	0' - 6"	7' - 1 1/2"
49	P	2 SF	0' - 6"	3' - 0 1/2"
50	P	2 SF	0' - 6"	4' - 7 1/2"
52	S	3 SF	0' - 8"	3' - 9"
53	S	13 SF	0' - 7 3/4"	19' - 9"
54	S	3 SF	0' - 8"	3' - 9"
55	S	18 SF	0' - 8"	27' - 3"
		437 SF		



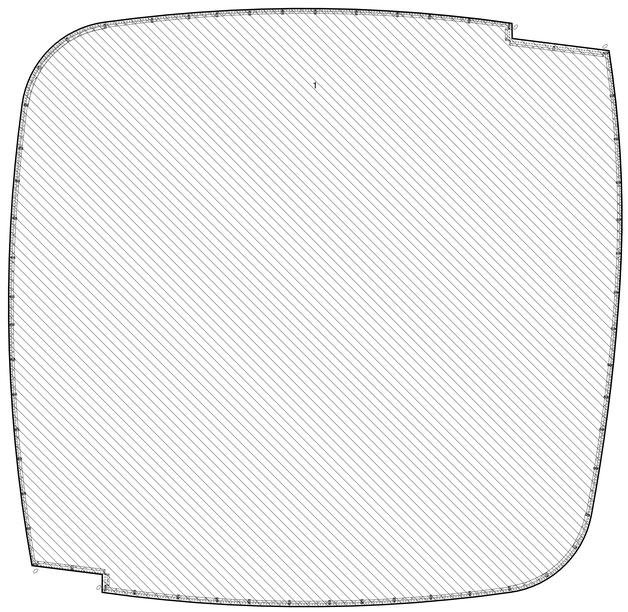
2 LEVEL 49
1/8" = 1'-0"

GHW- 49th Floor MEP Deductions				
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 49				
1	M	31 SF	3' - 1 1/2"	10' - 1"
2	M	25 SF	3' - 5"	7' - 3"
3	M	24 SF	2' - 8"	9' - 1 3/4"
4	M	7 SF	2' - 0"	3' - 6"
5	M	8 SF	1' - 7 1/4"	5' - 1 3/4"
6	M	11 SF	1' - 10 1/2"	5' - 7 3/4"
7	M	18 SF	3' - 4 1/2"	5' - 5 3/4"
8	M	14 SF	3' - 1 3/4"	4' - 5 1/2"
9	M	9 SF	2' - 7 1/2"	3' - 3"
10	M	5 SF	1' - 10 1/2"	2' - 11"
11	M	16 SF	3' - 2"	5' - 0 1/4"
12	M	6 SF	2' - 2 1/4"	2' - 8 1/2"
13	M	19 SF	1' - 4"	14' - 4 1/4"
14	M	4 SF	1' - 5"	2' - 9"
15	M	8 SF	2' - 4 3/4"	3' - 5 1/2"
16	M	5 SF	1' - 8 1/4"	3' - 2 1/2"
17	M	6 SF	1' - 10"	3' - 4"
18	M	15 SF	3' - 1 3/4"	4' - 7 1/2"
19	M	9 SF	2' - 7 1/2"	3' - 3"
20	M	16 SF	2' - 8 3/4"	5' - 10 3/4"
21	M	8 SF	2' - 7 1/2"	3' - 0 1/2"
22	M	16 SF	3' - 11 1/2"	4' - 0"
23	P	7 SF	1' - 2"	6' - 7 3/4"
24	P	5 SF	1' - 2"	4' - 7 1/4"
25	P	3 SF	0' - 8"	4' - 0"
26	P	2 SF	0' - 6"	4' - 7 1/2"
27	P	4 SF	1' - 2"	3' - 7 3/4"
28	P	2 SF	0' - 8"	3' - 7 3/4"
29	P	5 SF	1' - 0"	5' - 1 3/4"
30	P	5 SF	1' - 0"	5' - 3 3/4"
31	P	3 SF	0' - 6"	5' - 8 3/4"
32	P	11 SF	0' - 9 1/2"	13' - 8 3/4"
33	P	8 SF	1' - 0"	8' - 6"
34	P	4 SF	1' - 1"	3' - 6 1/2"
35	P	3 SF	1' - 1 3/4"	2' - 11"
36	P	6 SF	1' - 0"	5' - 8 3/4"
37	P	3 SF	0' - 8"	4' - 0"
38	P	5 SF	1' - 2"	4' - 7 3/4"
39	P	3 SF	0' - 8"	4' - 1 1/2"
41	P	3 SF	0' - 8"	4' - 1 1/2"
42	P	4 SF	1' - 2"	3' - 6 1/2"
43	P	2 SF	0' - 7 1/4"	3' - 3"
44	P	5 SF	0' - 10 3/4"	5' - 10 1/2"
45	P	4 SF	1' - 4"	2' - 11"
46	P	6 SF	0' - 6"	11' - 7 3/4"
47	P	2 SF	0' - 6"	3' - 0 1/2"
48	P	2 SF	0' - 6"	4' - 7 1/2"
50	S	3 SF	0' - 8"	3' - 9"
51	S	13 SF	0' - 7 3/4"	19' - 9"
52	S	3 SF	0' - 8"	3' - 9"
53	S	18 SF	0' - 8"	27' - 3"
		438 SF		



3 LEVEL 50
1/8" = 1'-0"

GHW- 50th Floor MEP Deductions				
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 50				
1	M	25 SF	3' - 5"	7' - 3"
2	M	24 SF	2' - 8"	9' - 1 3/4"
3	M	7 SF	2' - 0"	3' - 6"
4	M	8 SF	1' - 7 1/4"	5' - 1 3/4"
5	M	11 SF	1' - 10 1/2"	5' - 7 3/4"
6	M	18 SF	3' - 4 1/2"	5' - 5 3/4"
7	M	14 SF	3' - 1 3/4"	4' - 5 1/2"
8	M	9 SF	2' - 7 1/2"	3' - 3"
9	M	5 SF	1' - 10 1/2"	2' - 11"
10	M	16 SF	3' - 2"	5' - 0 1/4"
11	M	6 SF	2' - 2 1/4"	2' - 8 1/2"
12	M	19 SF	1' - 4"	14' - 4 1/4"
13	M	4 SF	1' - 5"	2' - 9"
14	M	8 SF	2' - 4 3/4"	3' - 5 1/2"
15	M	5 SF	1' - 8 1/4"	3' - 2 1/2"
16	M	6 SF	1' - 10"	3' - 4"
17	M	15 SF	3' - 1 3/4"	4' - 7 1/2"
18	M	9 SF	2' - 7 1/2"	3' - 3"
19	M	16 SF	2' - 8 3/4"	5' - 10 3/4"
20	M	8 SF	2' - 7 1/2"	3' - 0 1/2"
21	M	16 SF	3' - 11 1/2"	4' - 0"
22	M	31 SF	3' - 1 1/2"	10' - 1"
23	P	7 SF	1' - 2"	6' - 7 3/4"
24	P	5 SF	1' - 2"	4' - 7 1/4"
25	P	3 SF	0' - 8"	4' - 0"
26	P	2 SF	0' - 6"	4' - 7 1/2"
27	P	4 SF	1' - 2"	3' - 7 3/4"
28	P	2 SF	0' - 8"	3' - 7 3/4"
29	P	5 SF	1' - 0"	5' - 1 3/4"
30	P	5 SF	1' - 0"	5' - 3 3/4"
31	P	3 SF	0' - 6"	5' - 8 3/4"
32	P	11 SF	0' - 9 1/2"	13' - 8 3/4"
33	P	8 SF	1' - 0"	8' - 6"
34	P	4 SF	1' - 1"	3' - 6 1/2"
35	P	3 SF	1' - 1 3/4"	2' - 11"
36	P	6 SF	1' - 0"	5' - 8 3/4"
37	P	3 SF	0' - 8"	4' - 0"
38	P	5 SF	1' - 2"	4' - 7 3/4"
39	P	3 SF	0' - 8"	4' - 1 1/2"
40	P	4 SF	1' - 2"	3' - 6 1/2"
41	P	2 SF	0' - 7 1/4"	3' - 3"
42	P	5 SF	0' - 10 3/4"	5' - 10 1/2"
43	P	4 SF	1' - 4"	2' - 11"
44	P	12 SF	0' - 9 3/4"	15' - 4 3/4"
45	P	6 SF	0' - 6"	11' - 9 3/4"
46	P	4 SF	0' - 6"	7' - 1 1/2"
47	P	2 SF	0' - 6"	3' - 0 1/2"
48	P	2 SF	0' - 6"	4' - 7 1/2"
49	S	3 SF	0' - 8"	3' - 9"
50	S	13 SF	0' - 7 3/4"	19' - 9"
51	S	3 SF	0' - 8"	3' - 9"
52	S	18 SF	0' - 8"	27' - 3"
		437 SF		

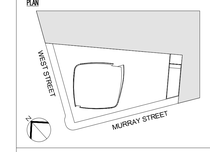


4 LEVEL 51 (MECHANICAL)
1/8" = 1'-0"

GHW- 51st Floor MEP Deductions				
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 51 (MECHANICAL)				
1	M	7509 SF		
		7509 SF		

MEP Deductions Legend
- Plumbing Deduction
- Mechanical Deduction
- Stair Deduction

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

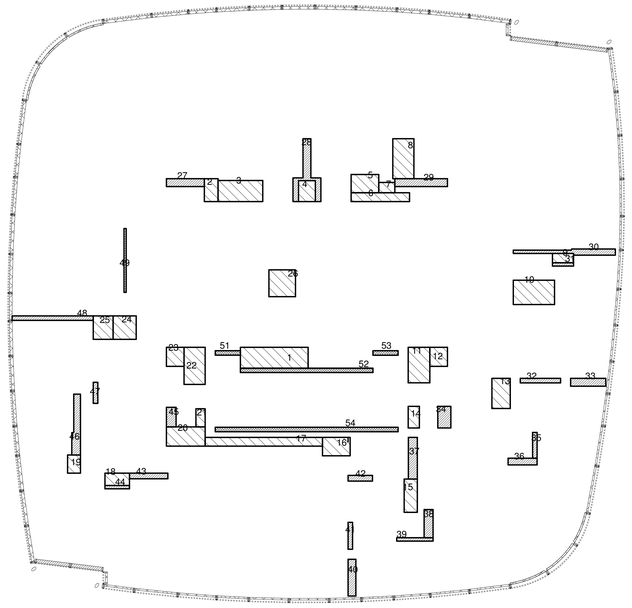
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
48, 49, 50, 51 FLOOR MEP DEDUCTIONS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN M. LEO
No. 026604
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
Z-012.00
DWG NO.

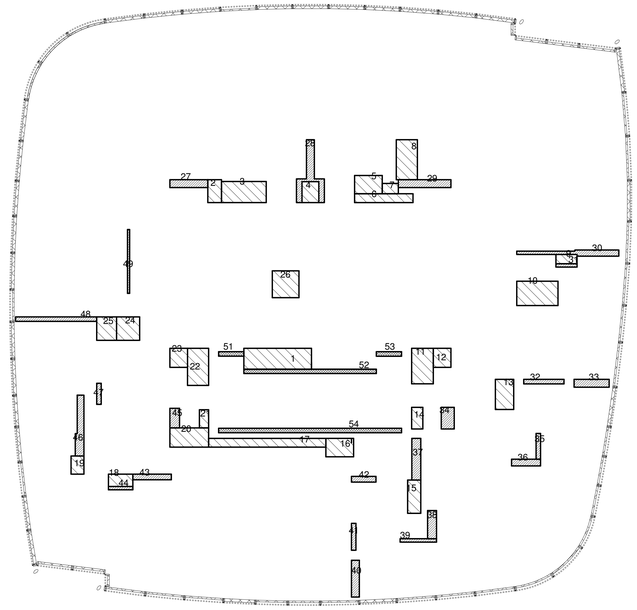
DEPT OF BLDGS 122132110 Job Number
B00569100035 Scan Code



1 LEVEL 52
1/8" = 1'-0"

GHW- 52nd Floor MEP Deductions

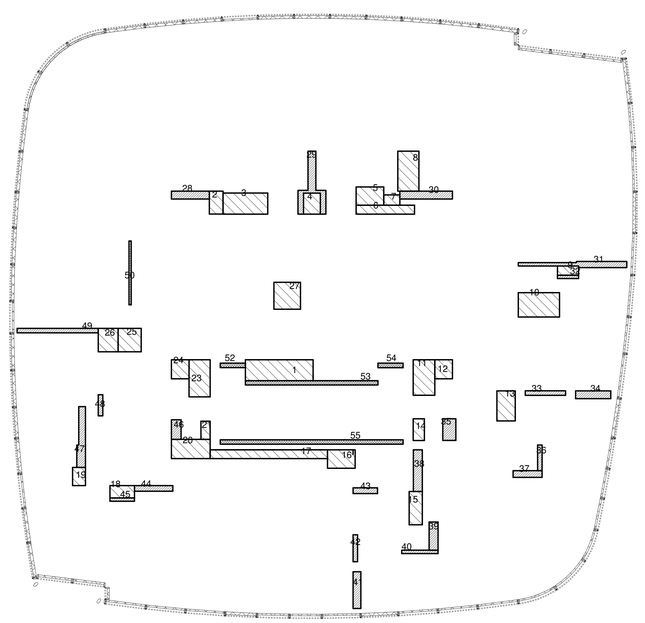
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 52				
1	M	31 SF	3' - 1 1/2"	10' - 1"
2	M	7 SF	2' - 0 1/2"	3' - 5"
3	M	21 SF	3' - 2"	6' - 7 1/4"
4	M	8 SF	2' - 6"	3' - 1 1/2"
5	M	11 SF	2' - 8 3/4"	4' - 1 1/2"
6	M	11 SF	1' - 3 3/4"	8' - 8 1/2"
7	M	4 SF	1' - 6 1/2"	2' - 4 3/4"
8	M	19 SF	3' - 1 3/4"	5' - 11 1/2"
9	M	4 SF	1' - 4 1/2"	3' - 1 3/4"
10	M	22 SF	3' - 7 1/2"	6' - 1 3/4"
11	M	17 SF	3' - 2 3/4"	5' - 3 1/2"
12	M	7 SF	2' - 7 1/2"	2' - 10"
13	M	12 SF	2' - 8 3/4"	4' - 5 3/4"
14	M	5 SF	1' - 8"	3' - 2 3/4"
15	M	10 SF	1' - 11 1/2"	4' - 11 1/2"
16	M	11 SF	2' - 11 1/2"	3' - 9"
17	M	23 SF	1' - 3 3/4"	17' - 5 3/4"
18	M	7 SF	1' - 10"	3' - 7 3/4"
19	M	5 SF	1' - 11"	2' - 8 1/2"
20	M	17 SF	2' - 10 1/2"	5' - 9 1/4"
21	M	4 SF	1' - 4 1/2"	2' - 8 1/2"
22	M	17 SF	3' - 1 3/4"	5' - 6 1/4"
23	M	7 SF	2' - 7 1/2"	2' - 10"
24	M	12 SF	3' - 5 1/4"	3' - 6"
25	M	10 SF	2' - 11 1/2"	3' - 6"
26	M	16 SF	3' - 11 1/2"	4' - 0"
27	P	7 SF	1' - 2"	5' - 7 3/4"
28	P	14 SF	0' - 10 1/2"	15' - 9 1/2"
29	P	9 SF	1' - 2"	7' - 10"
30	P	10 SF	0' - 8"	15' - 5 1/2"
31	P	2 SF	0' - 6"	3' - 1 3/4"
32	P	4 SF	0' - 8"	6' - 0"
33	P	6 SF	1' - 2"	5' - 2 3/4"
34	P	6 SF	1' - 11 1/4"	3' - 2 3/4"
35	P	3 SF	0' - 8"	3' - 10"
36	P	4 SF	1' - 0"	4' - 3 3/4"
37	P	8 SF	1' - 4"	6' - 2 1/2"
38	P	6 SF	1' - 4"	4' - 2 1/2"
39	P	3 SF	0' - 6"	5' - 5"
40	P	6 SF	1' - 2"	5' - 5 3/4"
41	P	3 SF	0' - 8"	4' - 0"
42	P	3 SF	0' - 10 1/4"	3' - 7 3/4"
43	P	5 SF	0' - 10"	5' - 8 3/4"
44	P	2 SF	0' - 6"	3' - 7 3/4"
45	P	4 SF	1' - 5 1/4"	2' - 11"
46	P	10 SF	1' - 1"	9' - 3 1/4"
47	P	2 SF	0' - 8"	3' - 1 3/4"
48	P	8 SF	0' - 8"	12' - 1"
49	P	3 SF	0' - 3 3/4"	9' - 6 1/4"
51	S	3 SF	0' - 8"	3' - 9"
52	S	13 SF	0' - 7 3/4"	19' - 9"
53	S	3 SF	0' - 8"	3' - 9"
54	S	18 SF	0' - 8"	27' - 3"
		483 SF		



2 LEVEL 53
1/8" = 1'-0"

GHW- 53rd Floor MEP Deductions

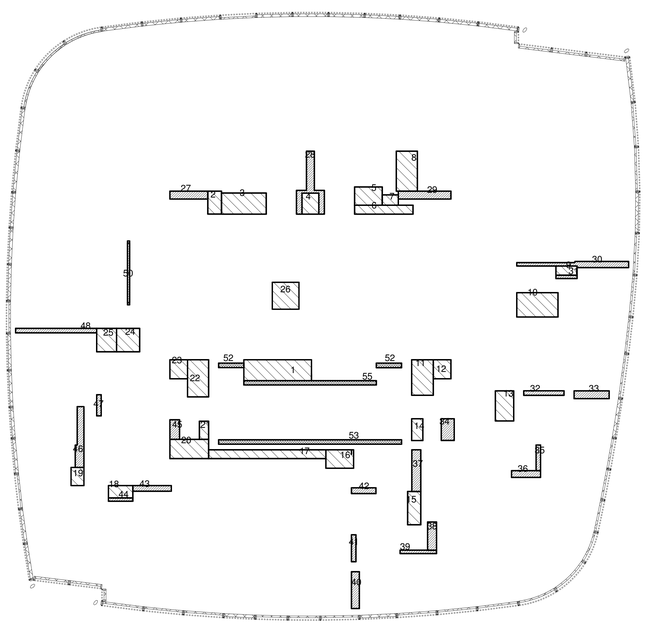
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 53				
1	M	31 SF	3' - 1 1/2"	10' - 1"
2	M	7 SF	2' - 0 1/2"	3' - 5"
3	M	21 SF	3' - 2"	6' - 7 1/4"
4	M	8 SF	2' - 6"	3' - 1 1/2"
5	M	11 SF	2' - 8 3/4"	4' - 1 1/2"
6	M	11 SF	1' - 3 3/4"	8' - 8 1/2"
7	M	4 SF	1' - 6 1/2"	2' - 4 3/4"
8	M	19 SF	3' - 1 3/4"	5' - 11 1/2"
9	M	4 SF	1' - 4 1/2"	3' - 1 3/4"
10	M	22 SF	3' - 7 1/2"	6' - 1 3/4"
11	M	17 SF	3' - 2 3/4"	5' - 3 1/2"
12	M	7 SF	2' - 7 1/2"	2' - 10"
13	M	12 SF	2' - 8 3/4"	4' - 5 3/4"
14	M	5 SF	1' - 8"	3' - 2 3/4"
15	M	10 SF	1' - 11 1/2"	4' - 11 1/2"
16	M	11 SF	2' - 11 1/2"	3' - 9"
17	M	23 SF	1' - 3 3/4"	17' - 5 3/4"
18	M	7 SF	1' - 10"	3' - 7 3/4"
19	M	5 SF	1' - 11"	2' - 8 1/2"
20	M	17 SF	2' - 10 1/2"	5' - 9 1/4"
21	M	4 SF	1' - 4 1/2"	2' - 8 1/2"
22	M	17 SF	3' - 1 3/4"	5' - 6 1/4"
23	M	7 SF	2' - 7 1/2"	2' - 10"
24	M	12 SF	3' - 5 1/4"	3' - 6"
25	M	10 SF	2' - 11 1/2"	3' - 6"
26	M	16 SF	3' - 11 1/2"	4' - 0"
27	P	7 SF	1' - 2"	5' - 7 3/4"
28	P	14 SF	0' - 10 1/2"	15' - 9 1/2"
29	P	9 SF	1' - 2"	7' - 10"
30	P	10 SF	0' - 8"	15' - 5 1/2"
31	P	2 SF	0' - 6"	3' - 1 3/4"
32	P	4 SF	0' - 8"	6' - 0"
33	P	6 SF	1' - 2"	5' - 2 3/4"
34	P	6 SF	1' - 11 1/4"	3' - 2 3/4"
35	P	3 SF	0' - 8"	3' - 10"
36	P	4 SF	1' - 0"	4' - 3 3/4"
37	P	8 SF	1' - 4"	6' - 2 1/2"
38	P	6 SF	1' - 4"	4' - 2 1/2"
39	P	3 SF	0' - 6"	5' - 5"
40	P	6 SF	1' - 2"	5' - 5 3/4"
41	P	3 SF	0' - 8"	4' - 0"
42	P	3 SF	0' - 10 1/4"	3' - 7 3/4"
43	P	5 SF	0' - 10"	5' - 8 3/4"
44	P	2 SF	0' - 6"	3' - 7 3/4"
45	P	4 SF	1' - 5 1/4"	2' - 11"
46	P	10 SF	1' - 1"	9' - 3 1/4"
47	P	2 SF	0' - 8"	3' - 1 3/4"
48	P	8 SF	0' - 8"	12' - 1"
49	P	3 SF	0' - 3 3/4"	9' - 6 1/4"
51	S	3 SF	0' - 8"	3' - 9"
52	S	13 SF	0' - 7 3/4"	19' - 9"
53	S	3 SF	0' - 8"	3' - 9"
54	S	18 SF	0' - 8"	27' - 3"
		483 SF		



3 LEVEL 54
1/8" = 1'-0"

GHW- 54th Floor MEP Deductions

Number	Deduction Type	Area	Area Length	Area Width
LEVEL 54				
1	M	31 SF	3' - 1 1/2"	10' - 1"
2	M	7 SF	2' - 0 1/2"	3' - 5"
3	M	21 SF	3' - 2"	6' - 7 1/4"
4	M	8 SF	2' - 6"	3' - 1 1/2"
5	M	11 SF	2' - 8 3/4"	4' - 1 1/2"
6	M	11 SF	1' - 3 3/4"	8' - 8 1/2"
7	M	4 SF	1' - 6 1/2"	2' - 4 3/4"
8	M	19 SF	3' - 1 3/4"	5' - 11 1/2"
9	M	4 SF	1' - 4 1/2"	3' - 1 3/4"
10	M	22 SF	3' - 7 1/2"	6' - 1 3/4"
11	M	17 SF	3' - 2 3/4"	5' - 3 1/2"
12	M	7 SF	2' - 7 1/2"	2' - 10"
13	M	12 SF	2' - 8 3/4"	4' - 5 3/4"
14	M	5 SF	1' - 8"	3' - 2 3/4"
15	M	10 SF	1' - 11 1/2"	4' - 11 1/2"
16	M	11 SF	2' - 11 1/2"	3' - 9"
17	M	23 SF	1' - 3 3/4"	17' - 5 3/4"
18	M	7 SF	1' - 10"	3' - 7 3/4"
19	M	5 SF	1' - 11"	2' - 8 1/2"
20	M	17 SF	2' - 10 1/2"	5' - 9 1/4"
21	M	4 SF	1' - 4 1/2"	2' - 8 1/2"
22	M	17 SF	3' - 1 3/4"	5' - 6 1/4"
23	M	7 SF	2' - 7 1/2"	2' - 10"
24	M	12 SF	3' - 5 1/4"	3' - 6"
25	M	10 SF	2' - 11 1/2"	3' - 6"
26	M	16 SF	3' - 11 1/2"	4' - 0"
27	M	17 SF	2' - 10 1/2"	5' - 9 1/4"
28	P	14 SF	0' - 10 1/2"	15' - 9 1/2"
29	P	9 SF	1' - 2"	7' - 10"
30	P	10 SF	0' - 8"	15' - 5 1/2"
31	P	2 SF	0' - 6"	3' - 1 3/4"
32	P	4 SF	0' - 8"	6' - 0"
33	P	6 SF	1' - 2"	5' - 2 3/4"
34	P	6 SF	1' - 11 1/4"	3' - 2 3/4"
35	P	3 SF	0' - 8"	3' - 10"
36	P	4 SF	1' - 0"	4' - 3 3/4"
37	P	8 SF	1' - 4"	6' - 2 1/2"
38	P	6 SF	1' - 4"	4' - 2 1/2"
39	P	3 SF	0' - 6"	5' - 5"
40	P	6 SF	1' - 2"	5' - 5 3/4"
41	P	3 SF	0' - 8"	4' - 0"
42	P	3 SF	0' - 10 1/4"	3' - 7 3/4"
43	P	5 SF	0' - 10"	5' - 8 3/4"
44	P	2 SF	0' - 6"	3' - 7 3/4"
45	P	4 SF	1' - 5 1/4"	2' - 11"
46	P	10 SF	1' - 1"	9' - 3 1/4"
47	P	2 SF	0' - 8"	3' - 1 3/4"
48	P	8 SF	0' - 8"	12' - 1"
49	P	3 SF	0' - 3 3/4"	9' - 6 1/4"
50	P	3 SF	0' - 3 3/4"	8' - 10 3/4"
52	S	3 SF	0' - 8"	3' - 9"
52	S	3 SF	0' - 8"	3' - 9"
53	S	3 SF	0' - 8"	27' - 3"
55	S	13 SF	0' - 7 3/4"	19' - 9"
		484 SF		



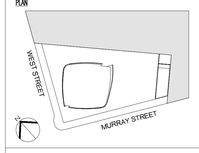
4 LEVEL 55
1/8" = 1'-0"

GHW- 55th Floor MEP Deductions

Number	Deduction Type	Area	Area Length	Area Width
LEVEL 55				
1	M	31 SF	3' - 1 1/2"	10' - 1"
2	M	7 SF	2' - 0 1/2"	3' - 5"
3	M	21 SF	3' - 2"	6' - 7 1/4"
4	M	8 SF	2' - 6"	3' - 1 1/2"
5	M	11 SF	2' - 8 3/4"	4' - 1 1/2"
6	M	11 SF	1' - 3 3/4"	8' - 8 1/2"
7	M	4 SF	1' - 6 1/2"	2' - 4 3/4"
8	M	19 SF	3' - 1 3/4"	5' - 11 1/2"
9	M	4 SF	1' - 4 1/2"	3' - 1 3/4"
10	M	22 SF	3' - 7 1/2"	6' - 1 3/4"
11	M	17 SF	3' - 2 3/4"	5' - 3 1/2"
12	M	7 SF	2' - 7 1/2"	2' - 10"
13	M	12 SF	2' - 8 3/4"	4' - 5 3/4"
14	M	5 SF	1' - 8"	3' - 2 3/4"
15	M	10 SF	1' - 11 1/2"	4' - 11 1/2"
16	M	11 SF	2' - 11 1/2"	3' - 9"
17	M	23 SF	1' - 3 3/4"	17' - 5 3/4"
18	M	7 SF	1' - 10"	3' - 7 3/4"
19	M	5 SF	1' - 11"	2' - 8 1/2"
20	M	17 SF	2' - 10 1/2"	5' - 9 1/4"
21	M	4 SF	1' - 4 1/2"	2' - 8 1/2"
22	M	17 SF	3' - 1 3/4"	5' - 6 1/4"
23	M	7 SF	2' - 7 1/2"	2' - 10"
25	M	10 SF	2' - 11 1/2"	3' - 6"
26	M	16 SF	3' - 11 1/2"	4' - 0"
27	P	7 SF	1' - 2"	5' - 7 3/4"
28	P	14 SF	0' - 10 1/2"	15' - 9 1/2"
29	P	9 SF	1' - 2"	7' - 10"
30	P	12 SF	0' - 8 1/4"	16' - 10 3/4"
31	P	2 SF	0' - 6"	3' - 1 3/4"
32	P	4 SF	0' - 8"	6' - 0"
33	P	6 SF	1' - 2"	5' - 2 3/4"
34	P	6 SF	1' - 11 1/4"	3' - 2 3/4"
35	P	3 SF	0' - 8"	3' - 10"
36	P	4 SF	1' - 0"	4' - 3 3/4"
37	P	8 SF	1' - 4"	6' - 2 1/2"
38	P	6 SF	1' - 4"	4' - 2 1/2"
39	P	3 SF	0' - 6"	5' - 5"
40	P	6 SF	1' - 2"	5' - 5 3/4"
41	P	3 SF	0' - 8"	4' - 0"
42	P	3 SF	0' - 10 1/4"	3' - 7 3/4"
43	P	5 SF	0' - 10"	5' - 8 3/4"
44	P	2 SF	0' - 6"	3' - 7 3/4"
45	P	4 SF	1' - 5 1/4"	2' - 11"
46	P	10 SF	1' - 1"	9' - 3 1/4"
47	P	2 SF	0' - 8"	3' - 1 3/4"
48	P	8 SF	0' - 8"	12' - 1"
50	P	3 SF	0' - 3 3/4"	8' - 10 3/4"
52	S	3 SF	0' - 8"	3' - 9"
52	S	3 SF	0' - 8"	3' - 9"
53	S	3 SF	0' - 8"	27' - 3"
55	S	13 SF	0' - 7 3/4"	19' - 9"
		484 SF		

MEP Deductions Legend
- Plumbing Deduction
- Mechanical Deduction
- Stair Deduction

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

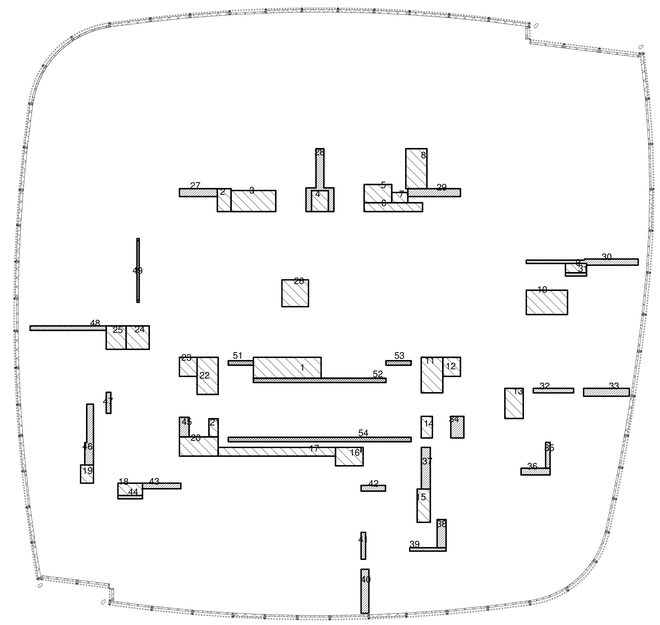
DWG TITLE:
52, 53, 54, 55 FLOOR MEP DEDUCTIONS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH STEPHEN HILL
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
Z-013.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number

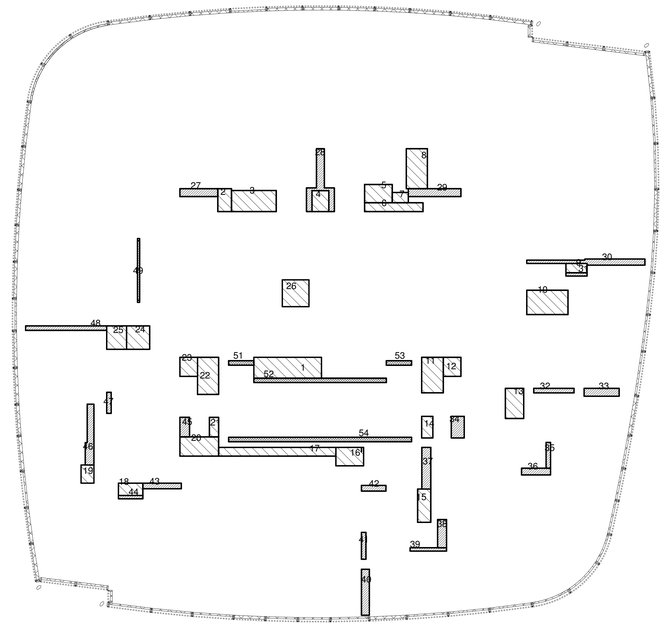
E-SM-M-2850900 Scan Code



1 LEVEL 56 T.O.S.
1/8" = 1'-0"

GHW- 56th Floor MEP Deductions

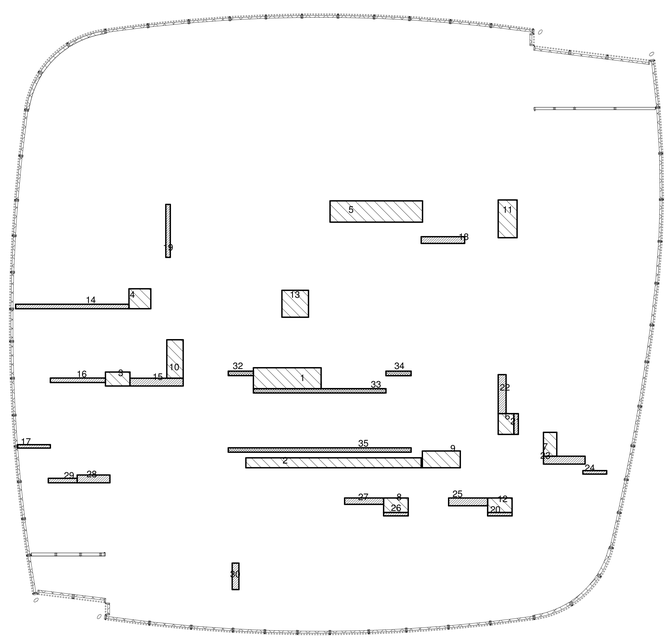
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 56 T.O.S.				
1	M	31 SF	3' - 1 1/2"	10' - 1"
2	M	7 SF	2' - 0 1/2"	3' - 5"
3	M	21 SF	3' - 2"	6' - 7 1/4"
4	M	8 SF	2' - 6"	3' - 1 1/2"
5	M	11 SF	2' - 8 3/4"	4' - 1 1/2"
6	M	11 SF	1' - 3 3/4"	8' - 8 1/2"
7	M	4 SF	1' - 6 1/2"	2' - 4 3/4"
8	M	19 SF	3' - 1 3/4"	5' - 11 1/2"
9	M	4 SF	1' - 4 1/2"	3' - 1 3/4"
10	M	22 SF	3' - 7 1/2"	6' - 1 3/4"
11	M	17 SF	3' - 2 3/4"	5' - 3 1/2"
12	M	7 SF	2' - 7 1/2"	2' - 10"
13	M	12 SF	2' - 8 3/4"	4' - 5 3/4"
14	M	5 SF	1' - 8"	3' - 2 3/4"
15	M	10 SF	1' - 11 1/2"	4' - 11 1/2"
16	M	11 SF	2' - 11 1/2"	3' - 9"
17	M	23 SF	1' - 3 3/4"	17' - 5 3/4"
18	M	7 SF	1' - 10"	3' - 7 3/4"
19	M	5 SF	1' - 11"	2' - 8 1/2"
20	M	17 SF	2' - 10 1/2"	5' - 9 1/4"
21	M	4 SF	1' - 4 1/2"	2' - 8 1/2"
22	M	17 SF	3' - 1 3/4"	5' - 6 1/4"
23	M	7 SF	2' - 7 1/2"	2' - 10"
24	M	12 SF	3' - 5 1/4"	3' - 6"
25	M	10 SF	2' - 11 1/2"	3' - 6"
26	M	16 SF	3' - 11 1/2"	4' - 0"
27	P	7 SF	1' - 2"	5' - 7 3/4"
28	P	14 SF	0' - 10 1/2"	15' - 9 1/2"
29	P	9 SF	1' - 2"	7' - 10"
30	P	12 SF	0' - 8 1/4"	16' - 10 3/4"
31	P	2 SF	0' - 6"	3' - 1 3/4"
32	P	4 SF	0' - 8"	6' - 0"
33	P	8 SF	1' - 2"	6' - 9 3/4"
34	P	6 SF	1' - 11 1/4"	3' - 2 3/4"
35	P	3 SF	0' - 8"	3' - 10"
36	P	4 SF	1' - 0"	4' - 3 3/4"
37	P	8 SF	1' - 4"	6' - 2 1/2"
38	P	6 SF	1' - 4"	4' - 2 1/2"
39	P	3 SF	0' - 6"	5' - 5"
40	P	8 SF	1' - 2"	6' - 6 3/4"
41	P	3 SF	0' - 8"	4' - 0"
42	P	3 SF	0' - 10 1/4"	3' - 7 3/4"
43	P	5 SF	0' - 10"	5' - 8 3/4"
44	P	2 SF	0' - 6"	3' - 7 3/4"
45	P	4 SF	1' - 5 1/4"	2' - 11"
46	P	10 SF	1' - 1"	9' - 3 1/4"
47	P	2 SF	0' - 8"	3' - 1 3/4"
48	P	8 SF	0' - 8"	11' - 4 1/4"
49	P	3 SF	0' - 3 3/4"	8' - 10 3/4"
51	S	3 SF	0' - 8"	3' - 9"
52	S	13 SF	0' - 7 3/4"	19' - 9"
53	S	3 SF	0' - 8"	3' - 9"
54	S	18 SF	0' - 8"	27' - 3"
		486 SF		



2 LEVEL 57 T.O.S.
1/8" = 1'-0"

GHW- 57th Floor MEP Deductions

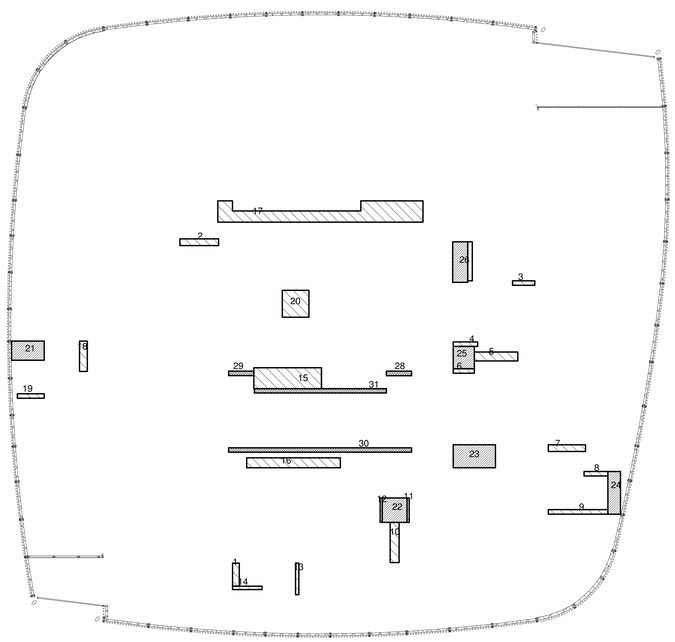
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 57 T.O.S.				
1	M	31 SF	3' - 1 1/2"	10' - 1"
2	M	7 SF	2' - 0 1/2"	3' - 5"
3	M	21 SF	3' - 2"	6' - 7 1/4"
4	M	8 SF	2' - 6"	3' - 1 1/2"
5	M	11 SF	2' - 8 3/4"	4' - 1 1/2"
6	M	11 SF	1' - 3 3/4"	8' - 8 1/2"
7	M	4 SF	1' - 6 1/2"	2' - 4 3/4"
8	M	19 SF	3' - 1 3/4"	5' - 11 1/2"
9	M	4 SF	1' - 4 1/2"	3' - 1 3/4"
10	M	22 SF	3' - 7 1/2"	6' - 1 3/4"
11	M	17 SF	3' - 2 3/4"	5' - 3 1/2"
12	M	7 SF	2' - 7 1/2"	2' - 10"
13	M	12 SF	2' - 8 3/4"	4' - 5 3/4"
14	M	5 SF	1' - 8"	3' - 2 3/4"
15	M	10 SF	1' - 11 1/2"	4' - 11 1/2"
16	M	11 SF	2' - 11 1/2"	3' - 9"
17	M	23 SF	1' - 3 3/4"	17' - 5 3/4"
18	M	7 SF	1' - 10"	3' - 7 3/4"
19	M	5 SF	1' - 11"	2' - 8 1/2"
20	M	17 SF	2' - 10 1/2"	5' - 9 1/4"
21	M	4 SF	1' - 4 1/2"	2' - 10 3/4"
22	M	17 SF	3' - 1 3/4"	5' - 6 1/4"
23	M	7 SF	2' - 7 1/2"	2' - 10"
24	M	12 SF	3' - 5 1/4"	3' - 6"
25	M	10 SF	2' - 11 1/2"	3' - 6"
26	M	16 SF	3' - 11 1/2"	4' - 0"
27	P	7 SF	1' - 2"	5' - 7 3/4"
28	P	14 SF	0' - 10 1/2"	15' - 9 1/2"
29	P	9 SF	1' - 2"	7' - 10"
30	P	12 SF	0' - 8 1/2"	17' - 9 3/4"
31	P	2 SF	0' - 6"	3' - 1 3/4"
32	P	4 SF	0' - 8"	6' - 0"
33	P	6 SF	1' - 2"	5' - 2 3/4"
34	P	6 SF	1' - 11 1/4"	3' - 2 3/4"
35	P	3 SF	0' - 8"	3' - 10"
36	P	4 SF	1' - 0"	4' - 3 3/4"
37	P	8 SF	1' - 4"	6' - 2 1/2"
38	P	6 SF	1' - 4"	4' - 2 1/2"
39	P	3 SF	0' - 6"	5' - 5"
40	P	8 SF	1' - 2"	6' - 10 1/4"
41	P	3 SF	0' - 8"	4' - 0"
42	P	3 SF	0' - 10 1/4"	3' - 7 3/4"
43	P	5 SF	0' - 10"	5' - 8 3/4"
44	P	2 SF	0' - 6"	3' - 7 3/4"
45	P	4 SF	1' - 5 1/4"	2' - 11"
46	P	10 SF	1' - 1"	9' - 3 1/4"
47	P	2 SF	0' - 8"	3' - 1 3/4"
48	P	8 SF	0' - 8"	12' - 1"
49	P	3 SF	0' - 3 3/4"	8' - 10 3/4"
51	S	3 SF	0' - 8"	3' - 9"
52	S	13 SF	0' - 7 3/4"	19' - 9"
53	S	3 SF	0' - 8"	3' - 9"
54	S	18 SF	0' - 8"	27' - 3"
		487 SF		



3 LEVEL 58
1/8" = 1'-0"

GHW- 58th Floor MEP Deductions

Number	Deduction Type	Area	Area Length	Area Width
LEVEL 58				
1	M	31 SF	3' - 1 1/2"	10' - 1"
2	M	39 SF	1' - 5 3/4"	26' - 1 1/2"
3	M	8 SF	2' - 1"	3' - 7 3/4"
4	M	10 SF	2' - 11 3/4"	3' - 3"
5	M	44 SF	3' - 2"	13' - 9 1/2"
6	M	7 SF	2' - 4"	3' - 1 1/4"
7	M	7 SF	1' - 11 3/4"	3' - 6 3/4"
8	M	8 SF	2' - 2"	3' - 8"
9	M	14 SF	2' - 6"	5' - 7 3/4"
10	M	14 SF	2' - 5 1/4"	5' - 8 3/4"
11	M	16 SF	2' - 9 3/4"	5' - 7 1/2"
12	M	8 SF	2' - 2"	3' - 7 3/4"
13	M	16 SF	3' - 11 1/2"	4' - 0"
14	P	11 SF	0' - 8"	16' - 10 1/2"
15	P	9 SF	1' - 2"	7' - 11 1/4"
16	P	5 SF	0' - 8"	8' - 2 1/2"
17	P	2 SF	0' - 6"	4' - 1 1"
18	P	6 SF	1' - 0"	6' - 5 3/4"
19	P	5 SF	0' - 8"	7' - 10 3/4"
20	P	2 SF	0' - 6"	3' - 7 3/4"
21	P	2 SF	0' - 6"	3' - 1 1/4"
22	P	7 SF	1' - 2"	5' - 9 3/4"
23	P	7 SF	1' - 2"	6' - 2"
24	P	2 SF	0' - 6 1/4"	3' - 6 1/2"
25	P	7 SF	1' - 2"	5' - 9 3/4"
26	P	2 SF	0' - 6"	3' - 8"
27	P	5 SF	0' - 11 1/4"	5' - 9 3/4"
28	P	6 SF	1' - 2"	4' - 10 1/2"
29	P	3 SF	0' - 8"	4' - 3 3/4"
30	P	4 SF	1' - 0"	3' - 11 1/4"
32	S	3 SF	0' - 8"	3' - 9"
33	S	13 SF	0' - 7 3/4"	19' - 9"
34	S	3 SF	0' - 8"	3' - 9"
35	S	18 SF	0' - 8"	27' - 3"
		343 SF		



4 LEVEL 59
1/8" = 1'-0"

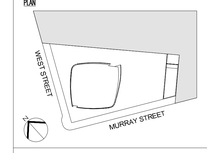
GHW- 59th Floor MEP Deductions

Number	Deduction Type	Area	Area Length	Area Width
LEVEL 59				
1	M	3 SF	1' - 0"	3' - 5 1/4"
2	M	6 SF	1' - 0"	5' - 9 1/4"
3	M	2 SF	0' - 8"	3' - 4"
4	M	2 SF	0' - 8"	3' - 7 3/4"
5	M	9 SF	1' - 4"	6' - 5 3/4"
6	M	2 SF	0' - 8"	3' - 1 3/4"
7	M	6 SF	1' - 0"	5' - 6 1/2"
8	M	2 SF	0' - 8"	3' - 6 1/2"
9	M	6 SF	0' - 8"	8' - 10 1/2"
10	M	8 SF	1' - 4"	5' - 11 3/4"
11	M	1 SF	0' - 3 3/4"	3' - 7 3/4"
12	M	1 SF	0' - 3 3/4"	3' - 7 3/4"
13	M	2 SF	0' - 6"	4' - 8 1/2"
14	M	2 SF	0' - 6"	4' - 4 1/2"
15	M	31 SF	3' - 1 1/2"	10' - 0 1/4"
16	M	21 SF	1' - 5 3/4"	13' - 11 1/2"
17	M	68 SF	2' - 0 3/4"	33' - 2 1/4"
18	M	5 SF	1' - 2"	4' - 6 1/4"
19	M	3 SF	0' - 8"	4' - 0"
20	M	16 SF	3' - 11 1/2"	4' - 0"
21	P	14 SF	2' - 10 1/4"	4' - 10 1/2"
22	P	14 SF	3' - 7 3/4"	3' - 8 1/2"
23	P	22 SF	3' - 5"	6' - 3 1/2"
24	P	12 SF	1' - 10 1/2"	6' - 4 1/4"
25	P	10 SF	3' - 1 3/4"	3' - 4"
26	P	14 SF	2' - 3"	6' - 0 1/2"
28	S	3 SF	0' - 8"	3' - 9"
29	S	3 SF	0' - 8"	3' - 9"
30	S	18 SF	0' - 8"	27' - 3"
31	S	12 SF	0' - 7 3/4"	19' - 8"
		318 SF		

MEP Deductions Legend

- Plumbing Deduction
- Mechanical Deduction
- Stair Deduction

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

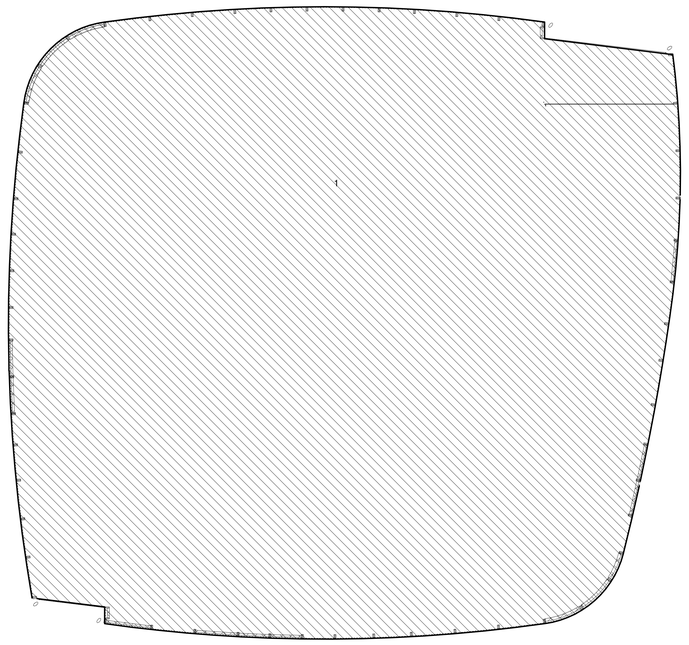
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
BUILDINGS
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
56, 57, 58, 59 FLOOR MEP DEDUCTIONS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH STEPHEN PELL
No. 026604
STATE OF NEW YORK

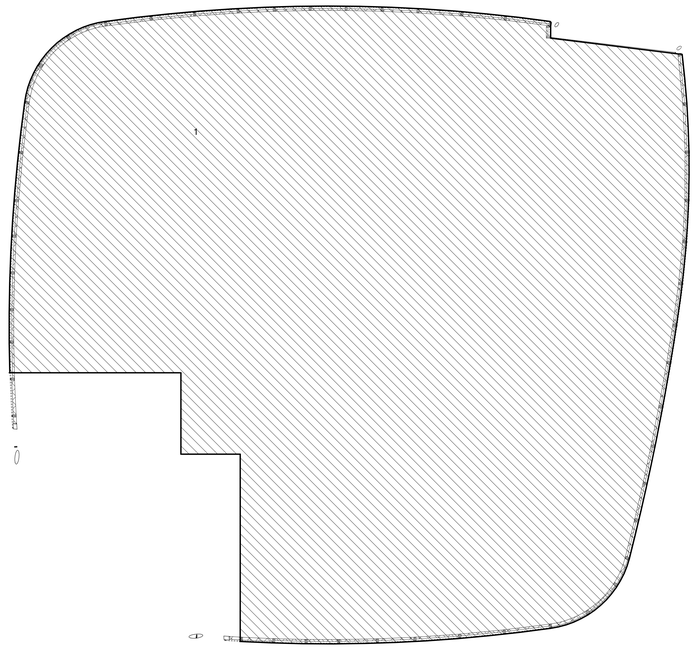
DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
DWG NO. Z-014.00

DEPT OF BLDGS 122132110 Job Number
E5154639994 Scan Code



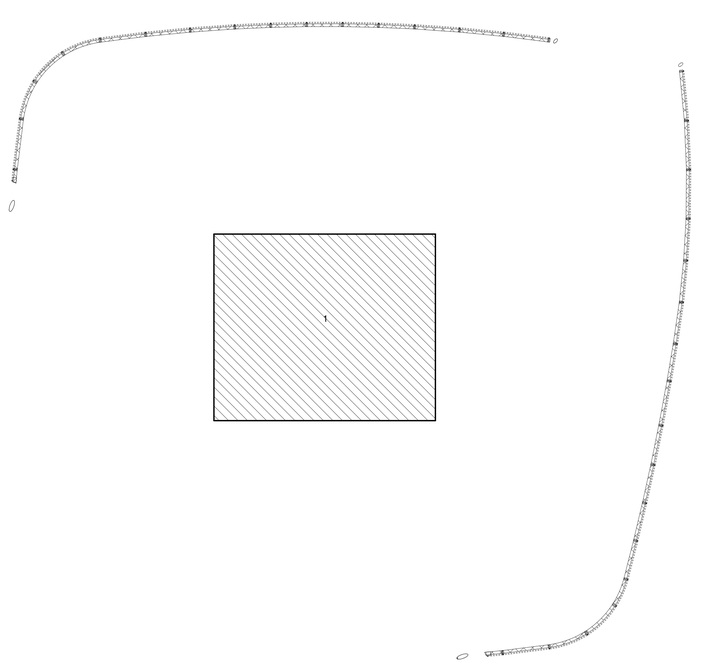
GHW- 60th Floor MEP Deductions				
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 60 (ROOF)				
1	M	8604 SF		
		8604 SF		

1 LEVEL 60 (ROOF) T.O.S.
1/8" = 1'-0"



GHW- 61st Floor MEP Deductions				
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 61 (P-EMR ROOF)				
1	M	7643 SF	68' - 1 3/4"	112' - 1 3/4"
		7643 SF		

2 LEVEL 61 (P-EMR ROOF)
1/8" = 1'-0"

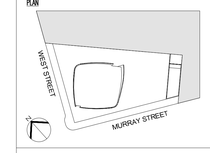


GHW- 62nd Floor MEP Deductions				
Number	Deduction Type	Area	Area Length	Area Width
LEVEL 62 (BULKHEAD)				
1	M	917 SF	27' - 9 1/2"	33' - 0"
		917 SF		

3 LEVEL 62 (BULKHEAD)
1/8" = 1'-0"

MEP Deductions Legend
Plumbing Deduction
Mechanical Deduction
Stair Deduction

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

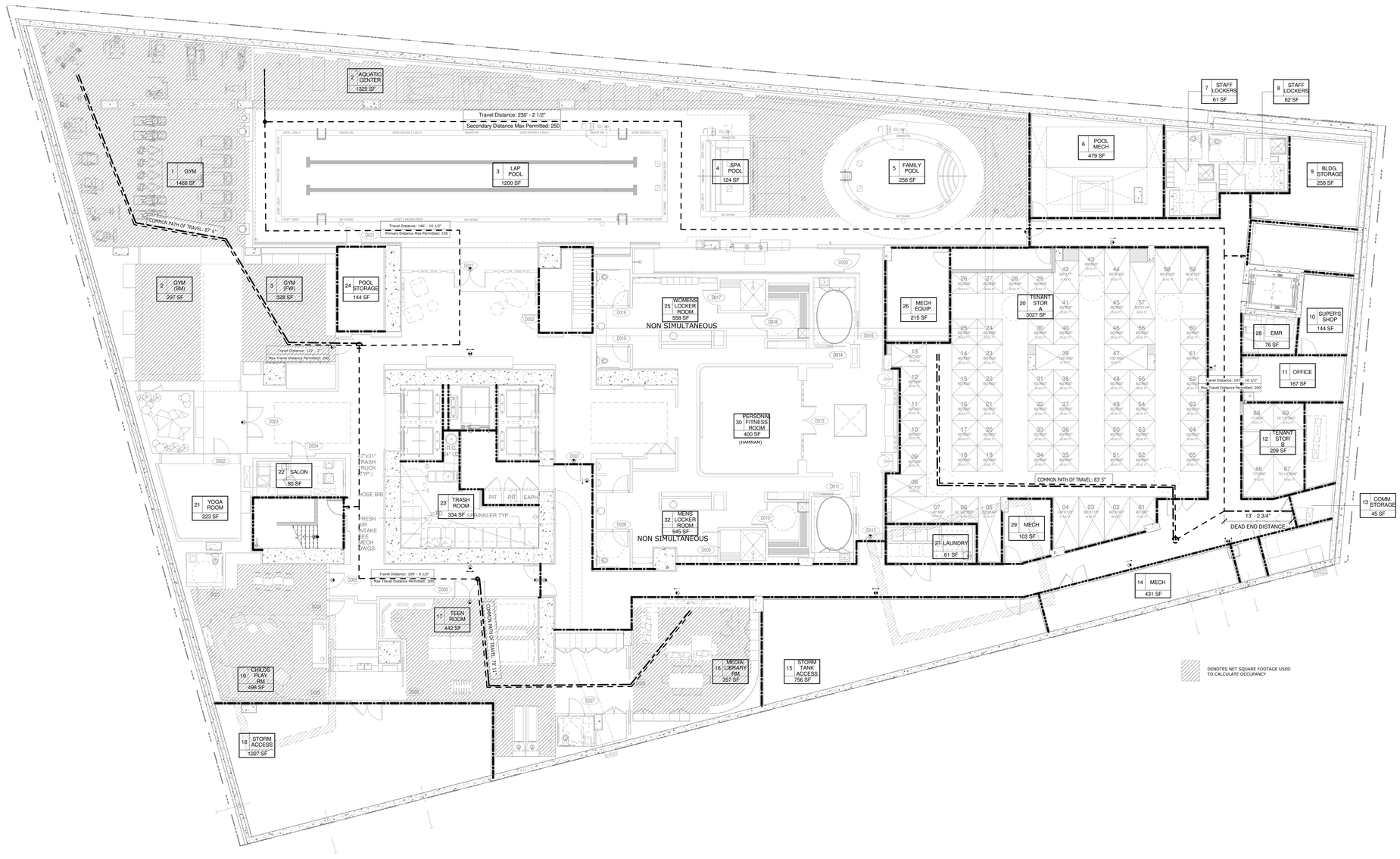
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
BUILDINGS
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
60, 61, 62, FLOOR MEP DEDUCTIONS

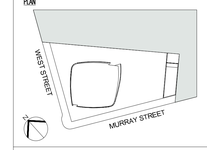
SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN WEST
No. 026824
STATE OF NEW YORK

DATE: **09/15/14**
PROJECT #: **13A26**
SCALE: **As indicated**
Z-015.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
B30602495R Scan Code



KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

GHWA-Egress Calculation Floor Lower Cellar Pool Equipment Room (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
LOWER LEVEL SERVICE				
34	POOL EQUIP RM	1216 SF	300 SF	4
35	EQUIP CRAWL SPACE	2163 SF	300 SF	7
				11

GHWA-Egress Calculation Floor Cellar (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
CELLAR AMENITY				
1	GYM	1466 SF	50 SF	29
2	AQUATIC CENTER	1325 SF	15 SF	88
2	GYM (SM)	297 SF	50 SF	6
3	LAP POOL	1200 SF	50 SF	24
3	GYM (FW)	328 SF	50 SF	7
4	SPA POOL	124 SF	50 SF	2
5	FAMILY POOL	256 SF	50 SF	5
6	POOL MECH	479 SF	300 SF	2
7	STAFF LOCKERS	61 SF	50 SF	1
8	STAFF LOCKERS	62 SF	50 SF	1
9	BLDG. STORAGE	258 SF	300 SF	1
10	SUPER'S SHOP	144 SF	100 SF	1
11	OFFICE	167 SF	100 SF	2
12	TENANT STOR B	209 SF	300 SF	1
13	COMM. STORAGE	45 SF	300 SF	1
14	MECH	431 SF	300 SF	1
15	STORM TANK ACCESS	756 SF	300 SF	3
16	MEDIA/ LIBRARY RM	357 SF	50 SF	7
17	TEEN ROOM	442 SF	15 SF	29
18	STORM ACCESS	1027 SF	300 SF	3
19	CHILDS PLAY RM	498 SF	15 SF	33
20	TENANT STOR A	3027 SF	300 SF	10
21	YOGA ROOM	223 SF	50 SF	4
22	SALON	80 SF	30 SF	3
23	TRASH ROOM	334 SF	300 SF	1
24	POOL STORAGE	144 SF	300 SF	1
25	WOMENS LOCKER ROOM	558 SF	N/S	N/S
26	MECH EQUIP.	215 SF	300 SF	1
27	LAUNDRY	61 SF	50 SF	1
28	EMR	76 SF	300 SF	1
29	MECH	103 SF	300 SF	1
30	PERSONAL FITNESS ROOM	400 SF	50 SF	8
32	MENS LOCKER ROOM	545 SF	N/S	N/S
				281

CAPACITY OF STAIR A 180 PEOPLE PER 54" WIDE STAIR.

CAPACITY OF STAIR B IS 150 PEOPLE PER 45" WIDE STAIR.

TOTAL CAPACITY OF STAIRS A & B IS 330 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)

LIFE SAFETY LEGEND

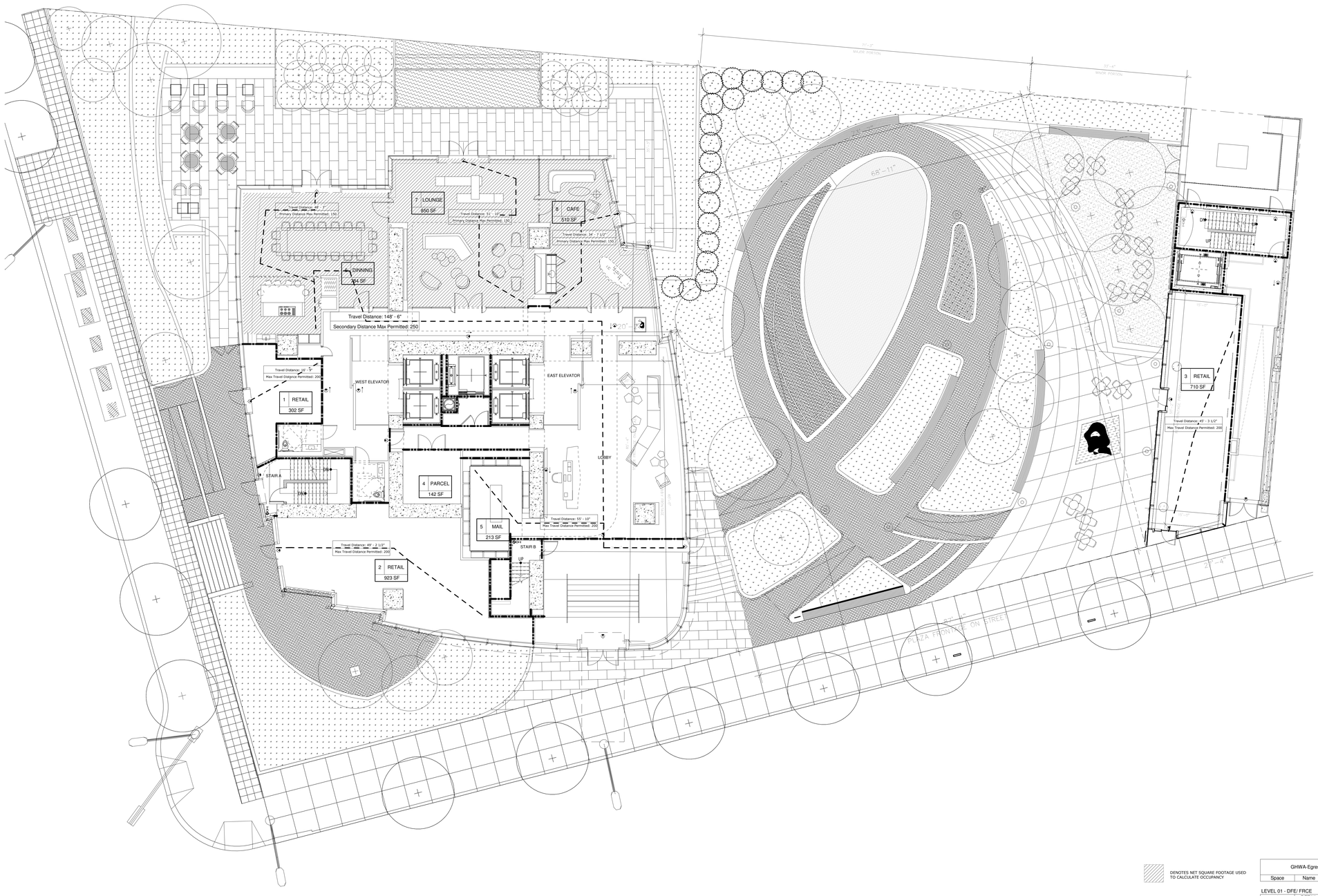
- COMMON PATH OF EGRESS TRAVEL
- DEAD END DISTANCE
- TRAVEL DISTANCE
- 3HR RATED WALL
- 2HR RATED WALL
- 1HR RATED WALL

DWG TITLE:
CELLAR EGRESS

SEAL & SIGNATURE
REGISTERED ARCHITECT
ROBERT STEPHEN HILL
OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/8" = 1'-0"
DWG NO. EG-005.00

DEPT OF BLDGS 122132110 Job Number
B3A3B92126 Scan Code



DENOTES NET SQUARE FOOTAGE USED TO CALCULATE OCCUPANCY

GHWA-Egress Calculation Floor 1 (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
LEVEL 01 - DFE/ FRCE				
1	RETAIL	302 SF	30 SF	10
2	RETAIL	923 SF	30 SF	31
3	RETAIL	710 SF	30 SF	24
4	PARCEL	142 SF	300 SF	1
5	MAIL	213 SF	300 SF	1
6	DINNING	784 SF	15 SF	52
7	LOUNGE	850 SF	15 SF	57
8	CAFE	510 SF	15 SF	34
				209

TOTAL CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR FOR A TOTAL OF 300 PEOPLE(TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

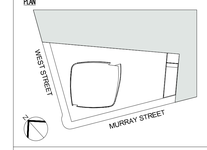
CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)

LIFE SAFETY LEGEND

- COMMON PATH OF EGRESS TRAVEL
- DEAD END DISTANCE
- TRAVEL DISTANCE
- 3HR RATED WALL
- 2HR RATED WALL
- 1HR RATED WALL

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

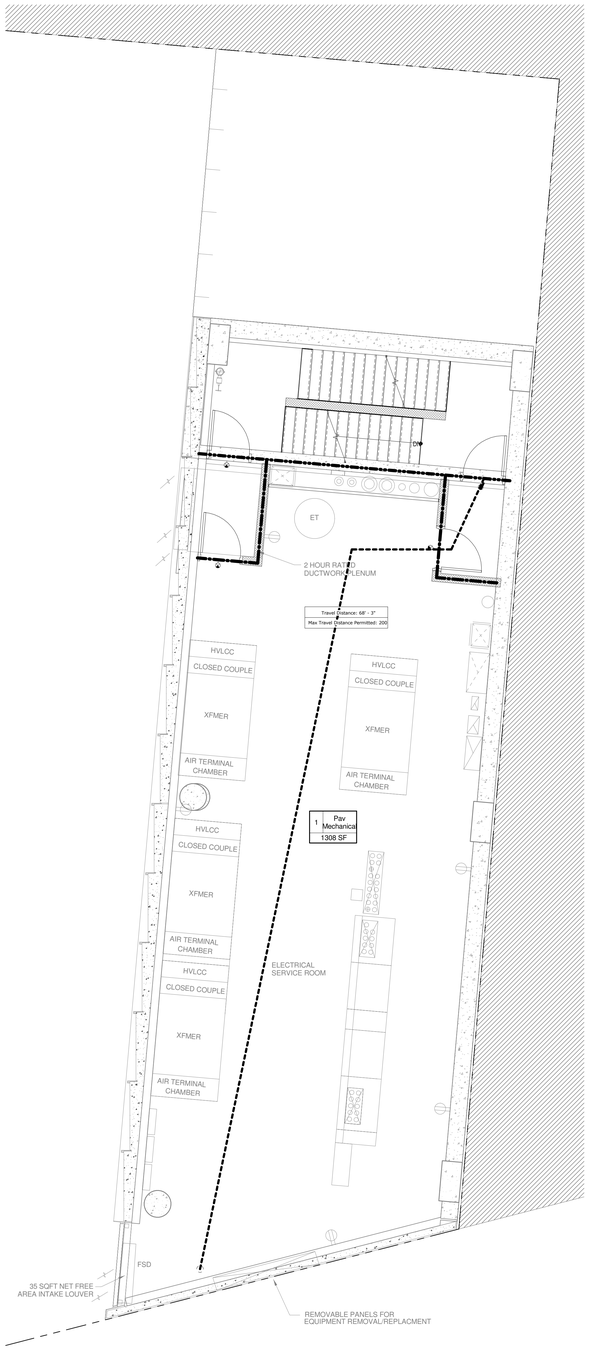
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
1ST FLOOR LIFE SAFTEY

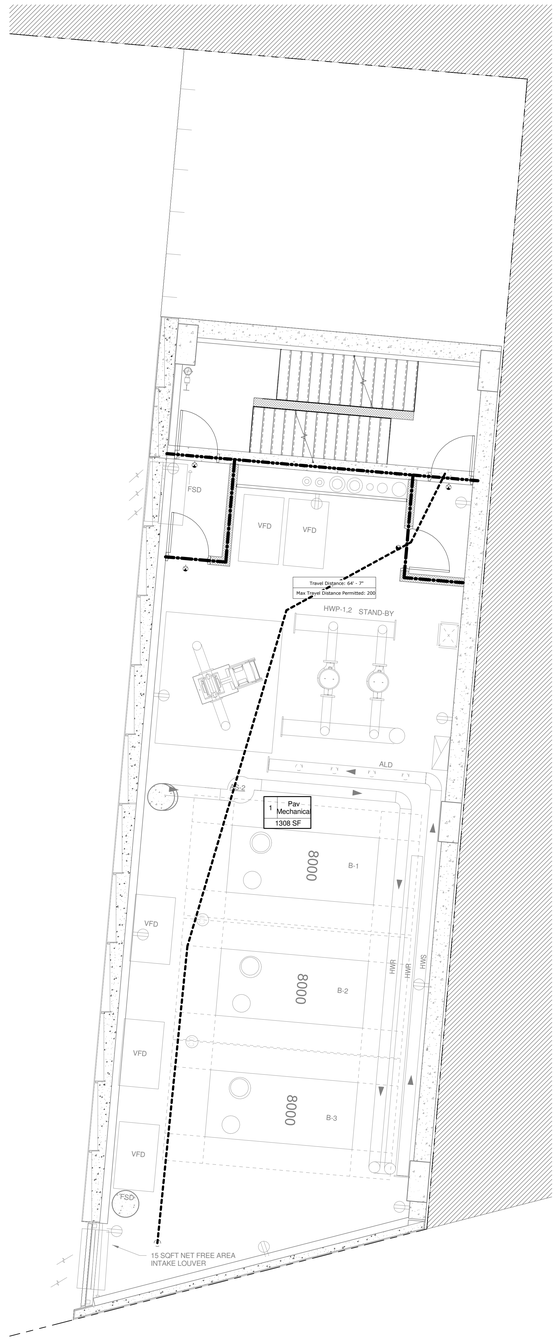
SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN YU
No. 026094
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/8" = 1'-0"
DWG NO. EG-006.00

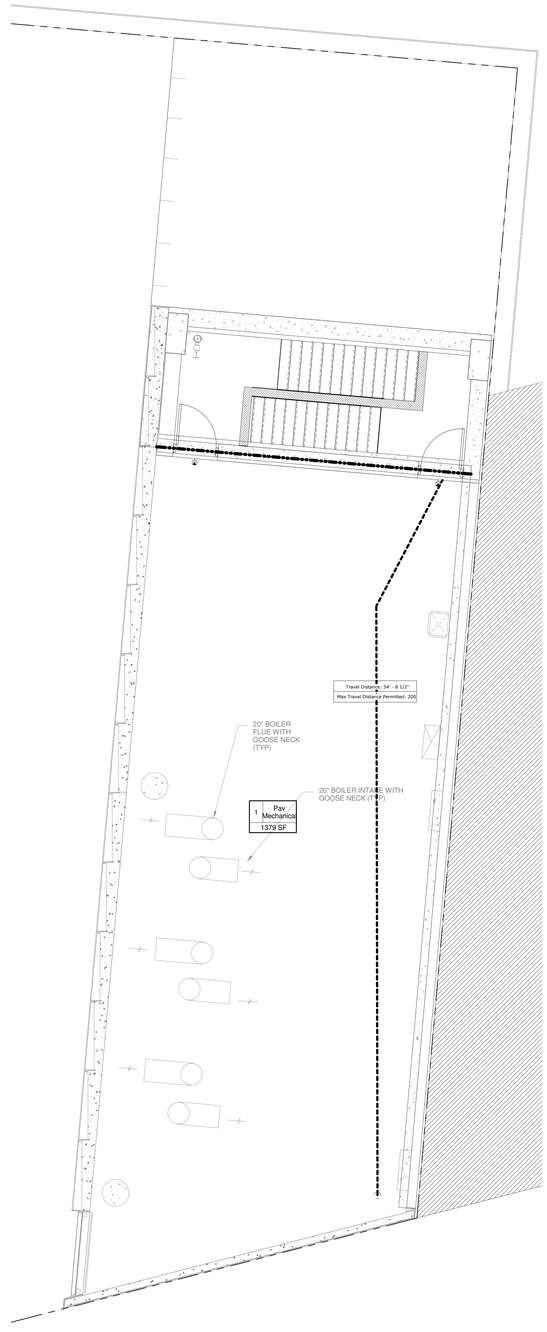
DEPT OF BLDGS 122132110 Job Number
E5950905568 Scan Code



1 EGRESS PAV 02_MEP
1/4" = 1'-0"



2 EGRESS PAV LEVEL 03_MEP
1/4" = 1'-0"



3 EGRESS PAV ROOF_MEP
1/4" = 1'-0"

GHWA-Egress Calculation Floor 2 Pavilion (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
PAV 02_MEP				
1	Pav Mechanical	1308 SF	300 SF	4
				4

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE.
(TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE.
(TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)

GHWA-Egress Calculation Floor 3 Pavilion (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
PAV LEVEL 03_MEP				
1	Pav Mechanical	1308 SF	300 SF	4
				4

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE.
(TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE.
(TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)

GHWA-Egress Calculation Roof Pavilion (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
PAV ROOF_MEP				
1	Pav Mechanical	1379 SF	300 SF	5
				5

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE.
(TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

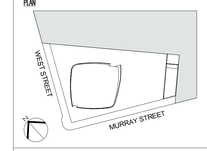
CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE.
(TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)

LIFE SAFETY LEGEND

COMMON PATH OF EGRESS TRAVEL	
DEAD END DISTANCE	
TRAVEL DISTANCE	
3HR RATED WALL	
2HR RATED WALL	
1HR RATED WALL	

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

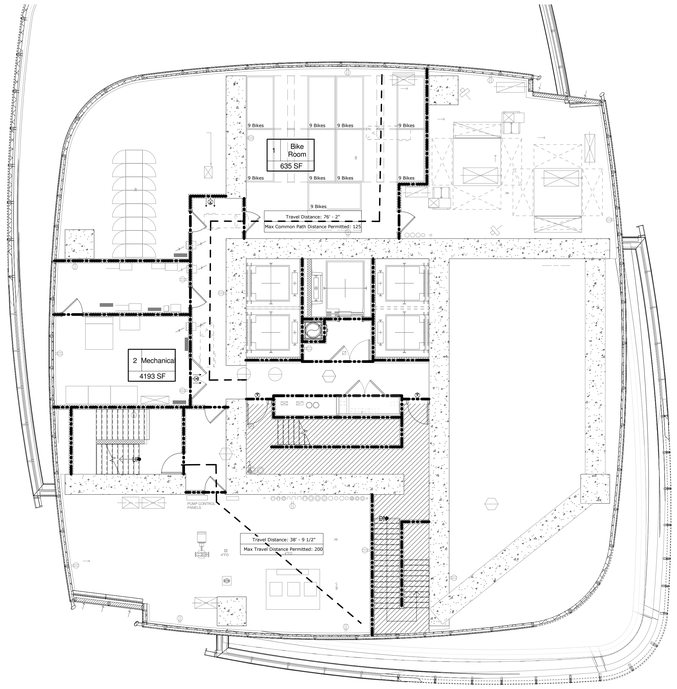
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/10/2015
NYC Development Hub

DWG TITLE:
PAVILION 2ND, 3RD, ROOF FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
DAVID STEPHEN HILL
No. 025054
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As Indicated
DWG NO. EG-007.00

DEPT OF BLDGS 122132110 Job Number
E50987738SA Scan Code



1 EGRESS LEVEL 02 (MECHANICAL) T.O.S.
1/8" = 1'-0"

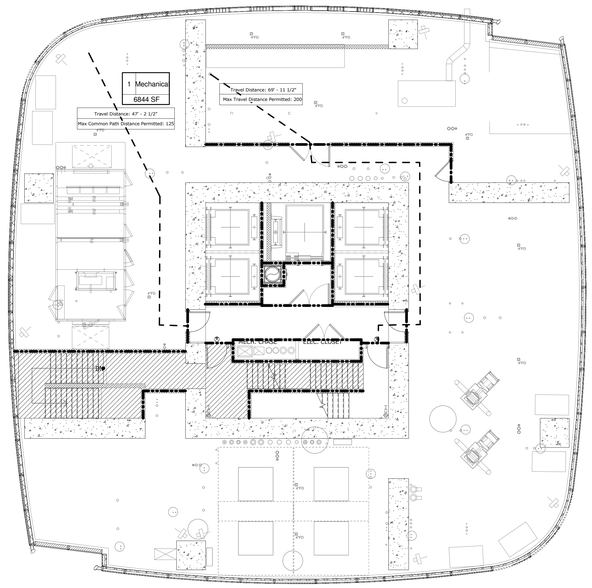
GHWA-Egress Calculation Floor 2 (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
LEVEL 02 (MECHANICAL)				
1	Bike Room	635 SF	300 SF	2
2	Mechanical	4193 SF	300 SF	14
F	Room	1327 SF		
				16

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE.
(TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



2 EGRESS LEVEL 03 (MECHANICAL) T.O.S.
1/8" = 1'-0"

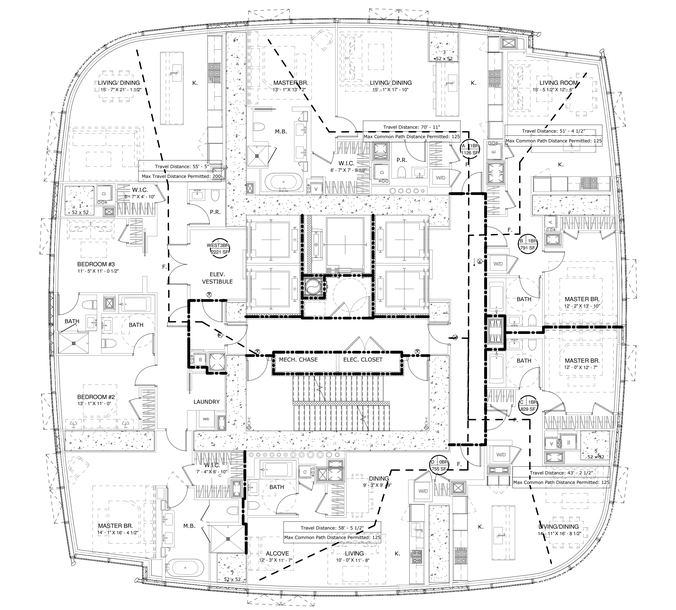
GHWA-Egress Calculation Floor 3 (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
LEVEL 03 (MECHANICAL)				
1	Mechanical	6844 SF	300 SF	23
				23

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



3 EGRESS LEVEL 04 T.O.S.
1/8" = 1'-0"

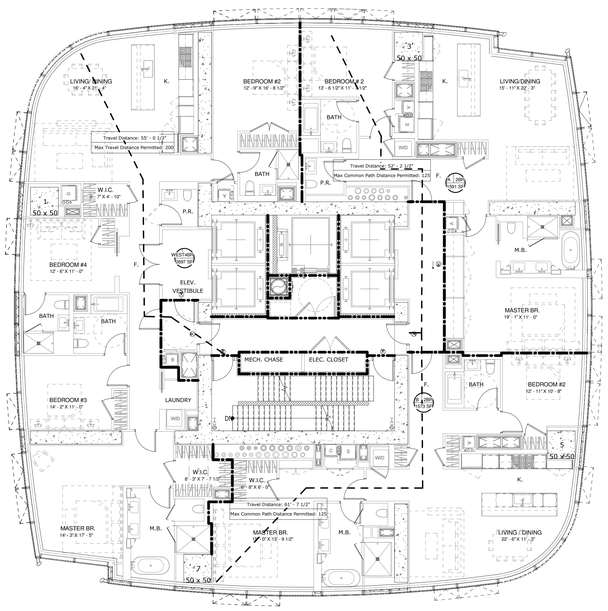
GHWA-Egress Calculation Floor 4-11 (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
LEVEL 04				
A	1BR	1126 SF	200 SF	6
B	1BR	791 SF	200 SF	4
C	1BR	829 SF	200 SF	4
D	0BR	755 SF	200 SF	4
WEST	3BR	2221 SF	200 SF	11
				29

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



4 EGRESS LEVEL 12 T.O.S.
1/8" = 1'-0"

GHWA-Egress Calculation Floor 12 (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
LEVEL 12				
A	2BR	1591 SF	200 SF	8
B	2BR	1573 SF	200 SF	8
WEST	4BR	2697 SF	200 SF	13
				29

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

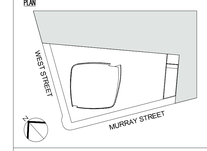
CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)

LIFE SAFETY LEGEND

COMMON PATH OF EGRESS TRAVEL	
DEAD END DISTANCE	
TRAVEL DISTANCE	
3HR RATED WALL	
2HR RATED WALL	
1HR RATED WALL	

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

M/E/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

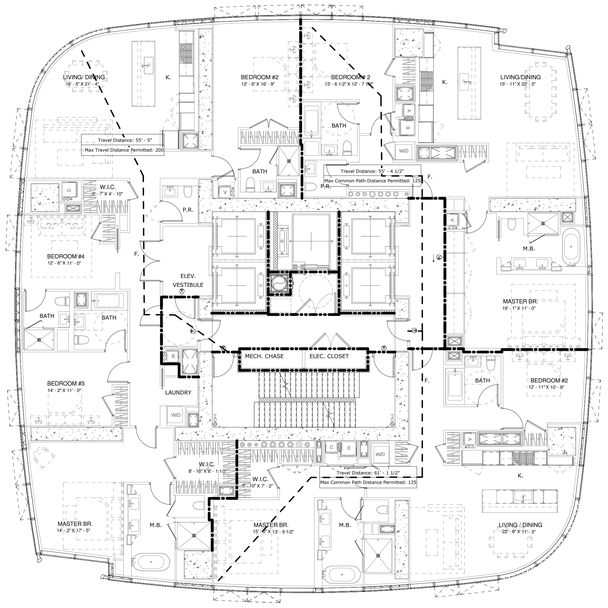
DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
LIFE SAFTEY FOR FLOORS 2ND, 3RD, 4TH, AND 12TH

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN NILL
No. 029604
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/8" = 1'-0"
DWG NO. EG-008.00

DEPT OF BLDGS 122132110 Job Number
ES0041187F4 Scan Code



1 EGRESS LEVEL 13 T.O.S.
1/8" = 1'-0"

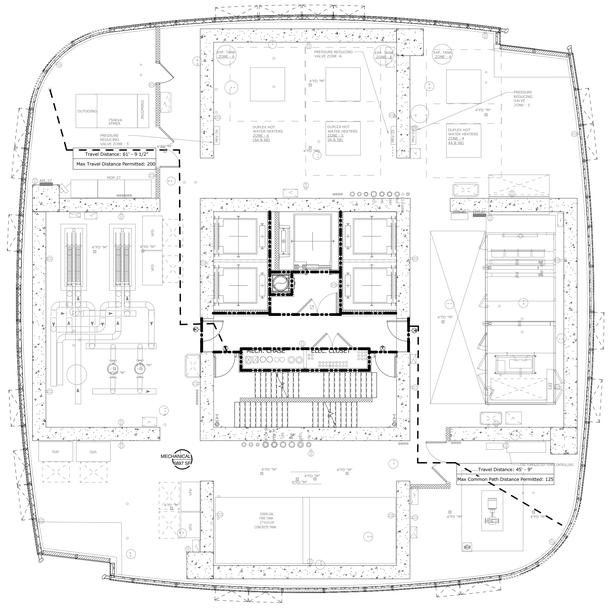
GHWA-Egress Calculation Floor 13-26 (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
LEVEL 13 T.O.S.				
A	2BR	1591 SF	200 SF	8
B	2BR	1573 SF	200 SF	8
WEST	4BR	2697 SF	200 SF	13
				29

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



4 EGRESS LEVEL 27 (MECHANICAL) T.O.S.
1/8" = 1'-0"

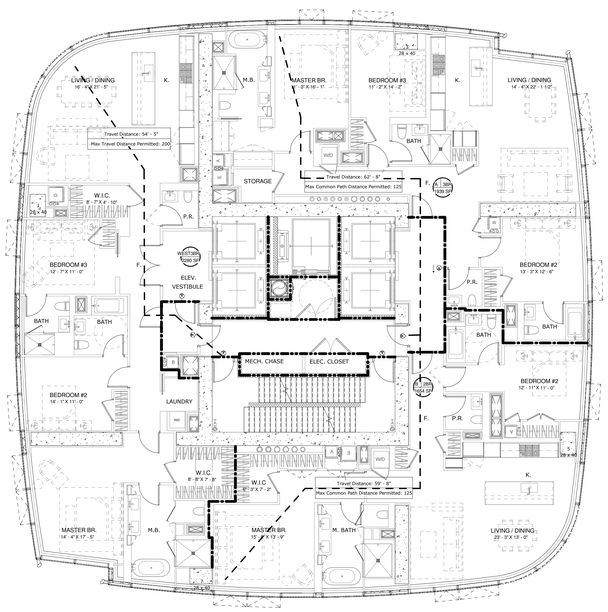
GHWA-Egress Calculation Floor 27 (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
LEVEL 27 (MECHANICAL)				
MECHANICAL		6897 SF	300 SF	23
				23

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



2 EGRESS LEVEL 28 T.O.S.
1/8" = 1'-0"

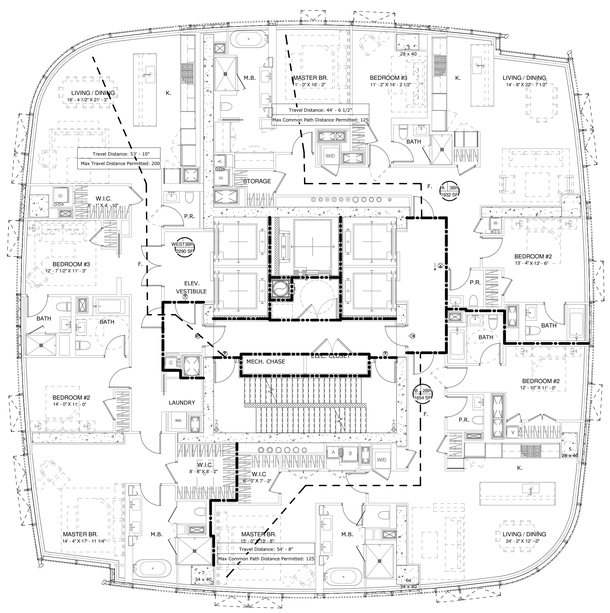
GHWA-Egress Calculation Floor 28-38 (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
LEVEL 28				
A	3BR	1939 SF	200 SF	10
B	2BR	1654 SF	200 SF	8
WEST	3BR	2280 SF	200 SF	11
				29

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



3 EGRESS LEVEL 39 T.O.S.
1/8" = 1'-0"

GHWA-Egress Calculation Floor 39 (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
LEVEL 39				
A	3BR	1932 SF	200 SF	10
B	2BR	1654 SF	200 SF	8
WEST	3BR	2290 SF	200 SF	11
				29

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

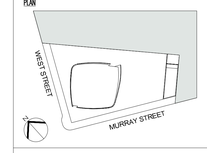
CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)

LIFE SAFETY LEGEND

COMMON PATH OF EGRESS TRAVEL	
DEAD END DISTANCE	
TRAVEL DISTANCE	
3HR RATED WALL	
2HR RATED WALL	
1HR RATED WALL	

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
LIFE SAFTEY FOR FLOORS 13-26, 27,28-38 ,39

SEAL & SIGNATURE:
REGISTERED ARCHITECT LEO STEPHEN NG 026470 STATE OF NEW YORK

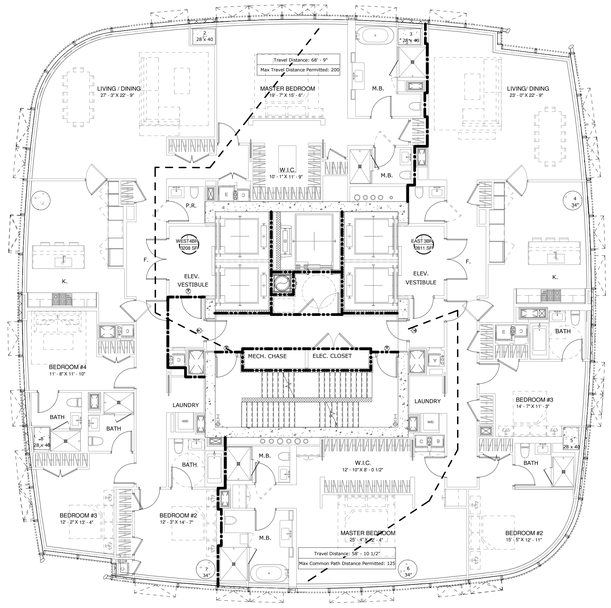
DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/8" = 1'-0"
EG-009.00
DWG NO.

GHWA-Egress Calculation Floor 40 (B.C.Table 1004.1.2)				
Space	Name	Area	SF per OCC	Total OCC
LEVEL 40				
EAST	3BR	2811 SF	200 SF	14
WEST	4BR	3208 SF	200 SF	16
				30

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



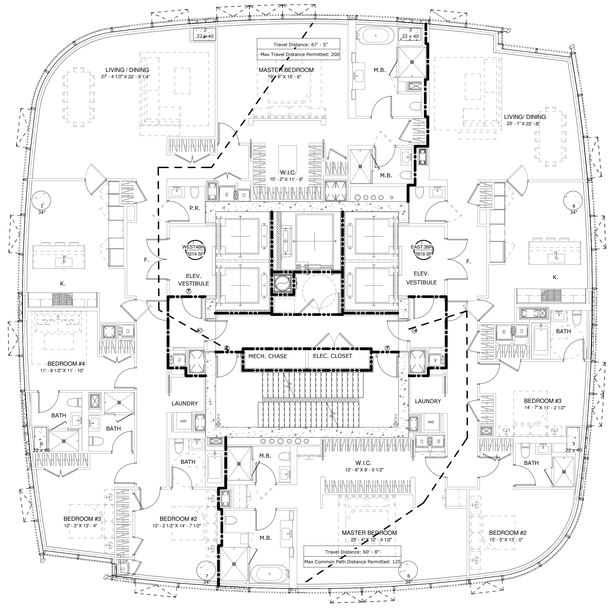
1 EGRESS LEVEL 40 T.O.S.
1/8" = 1'-0"

GHWA-Egress Calculation Floor 41 (B.C.Table 1004.1.2)				
Space	Name	Area	SF per OCC	Total OCC
LEVEL 41				
EAST	3BR	2819 SF	200 SF	14
WEST	4BR	3214 SF	200 SF	16
				30

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



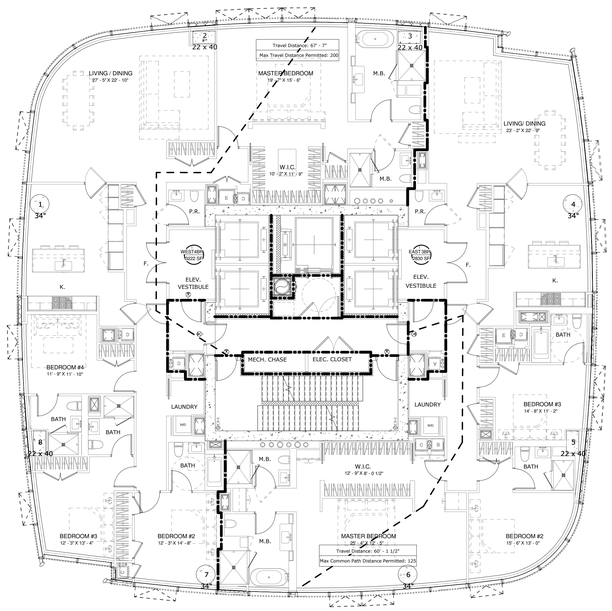
2 EGRESS LEVEL 41 T.O.S.
1/8" = 1'-0"

GHWA-Egress Calculation Floor 42 (B.C.Table 1004.1.2)				
Space	Name	Area	SF per OCC	Total OCC
LEVEL 42				
EAST	3BR	2830 SF	200 SF	14
WEST	4BR	3222 SF	200 SF	16
				30

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



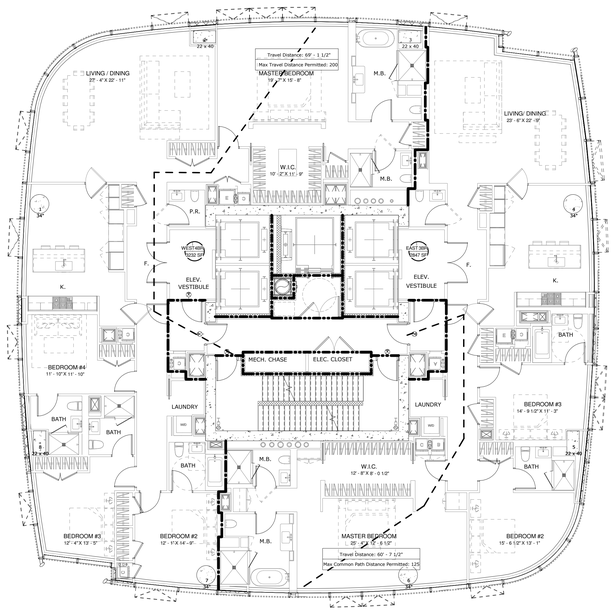
3 EGRESS LEVEL 42 T.O.S.
1/8" = 1'-0"

GHWA-Egress Calculation Floor 43 (B.C.Table 1004.1.2)				
Space	Name	Area	SF per OCC	Total OCC
LEVEL 43				
EAST	3BR	2847 SF	200 SF	14
WEST	4BR	3232 SF	200 SF	16
				30

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)

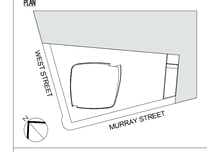


4 EGRESS LEVEL 43 T.O.S.
1/8" = 1'-0"

LIFE SAFETY LEGEND

- COMMON PATH OF EGRESS TRAVEL
- DEAD END DISTANCE
- TRAVEL DISTANCE
- 3HR RATED WALL
- 2HR RATED WALL
- 1HR RATED WALL

KEY PLAN



3	03/09/15	DOB ISSUE	
2	01/23/15	DOB ISSUE	
1	09/15/14	DOB ISSUE	
Number:	Date:	Revision:	

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
LIFE SAFTEY FOR FLOORS 40,41,42,43

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN M. LI
No. 029804
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/8" = 1'-0"
DWG NO.	EG-010.00

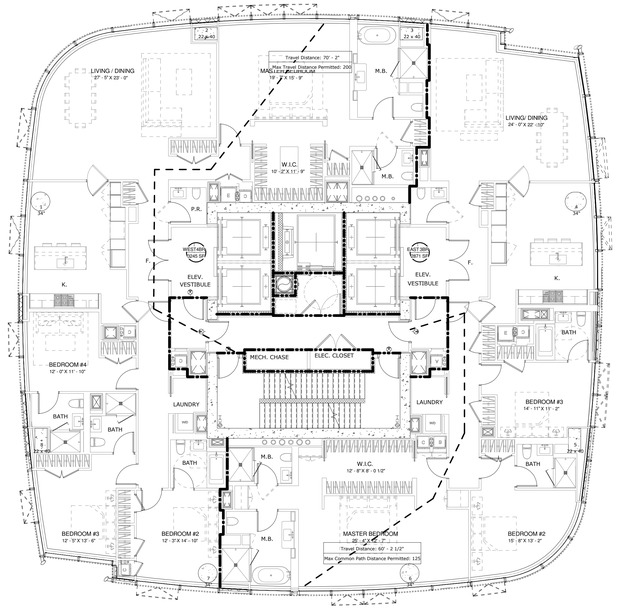
GHWA-Egress Calculation Floor 44 (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
LEVEL 44				
EAST	3BR	2871 SF	200 SF	14
WEST	4BR	3245 SF	200 SF	16
				31

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



1 EGRESS LEVEL 44 T.O.S.
1/8" = 1'-0"

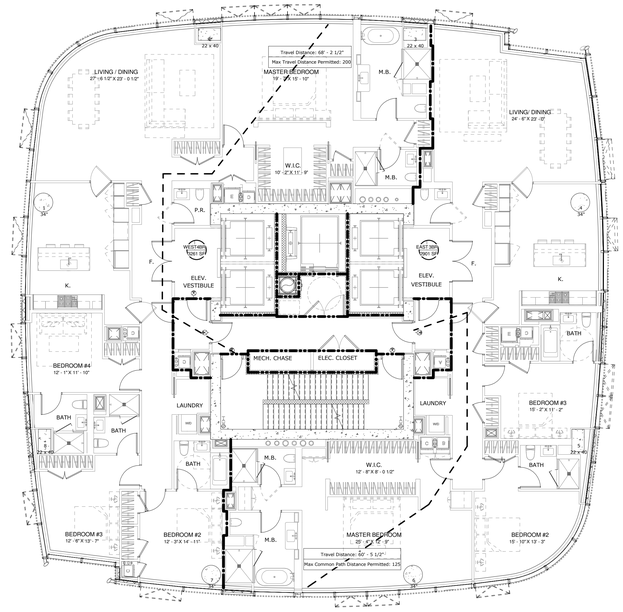
GHWA-Egress Calculation Floor 45 (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
LEVEL 45				
EAST	3BR	2901 SF	200 SF	15
WEST	4BR	3261 SF	200 SF	16
				31

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



2 EGRESS LEVEL 45 T.O.S.
1/8" = 1'-0"

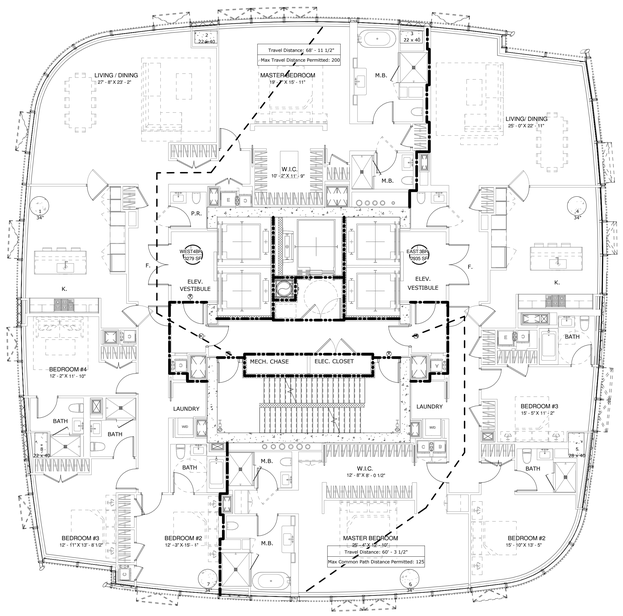
GHWA-Egress Calculation Floor 46 (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
LEVEL 46				
EAST	3BR	2935 SF	200 SF	15
WEST	4BR	3279 SF	200 SF	16
				31

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



3 EGRESS LEVEL 46 T.O.S.
1/8" = 1'-0"

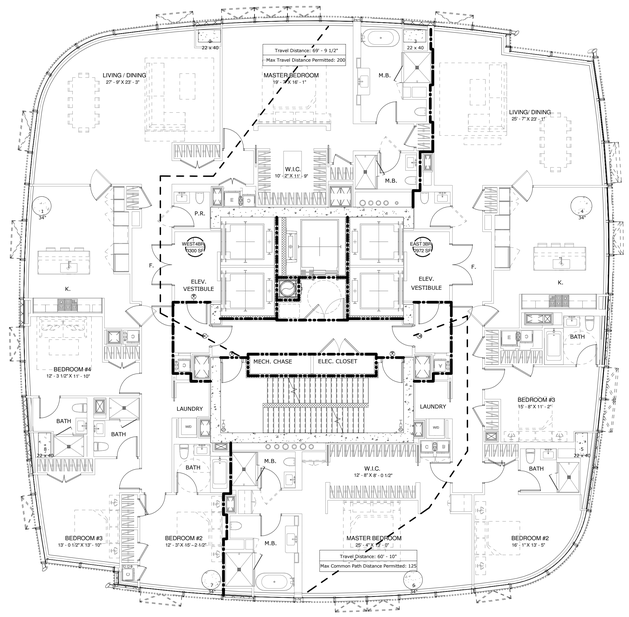
GHWA-Egress Calculation Floor 47 (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
LEVEL 47				
EAST	3BR	2972 SF	200 SF	15
WEST	4BR	3300 SF	200 SF	16
				31

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

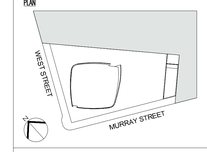
CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



4 EGRESS LEVEL 47 T.O.S.
1/8" = 1'-0"

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

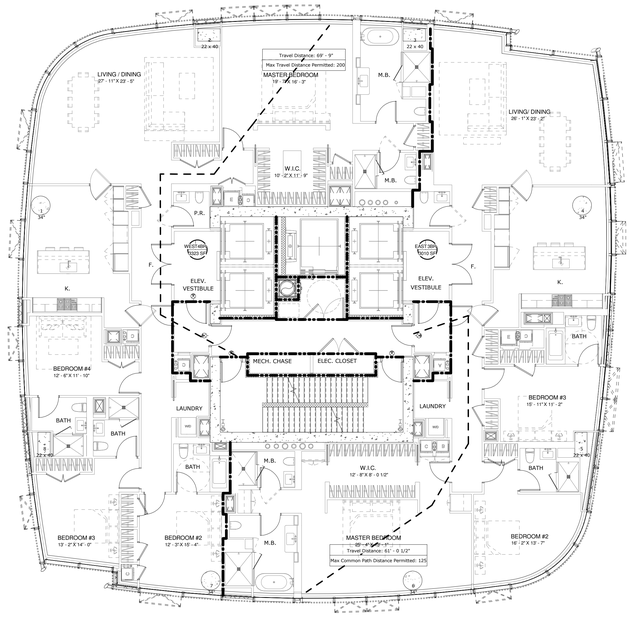
DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
LIFE SAFTEY FOR FLOORS 44,45,46,47

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN NG
No. 029884
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/8" = 1'-0"
DWG NO. EG-011.00



1 EGRESS LEVEL 48 T.O.S.
1/8" = 1'-0"

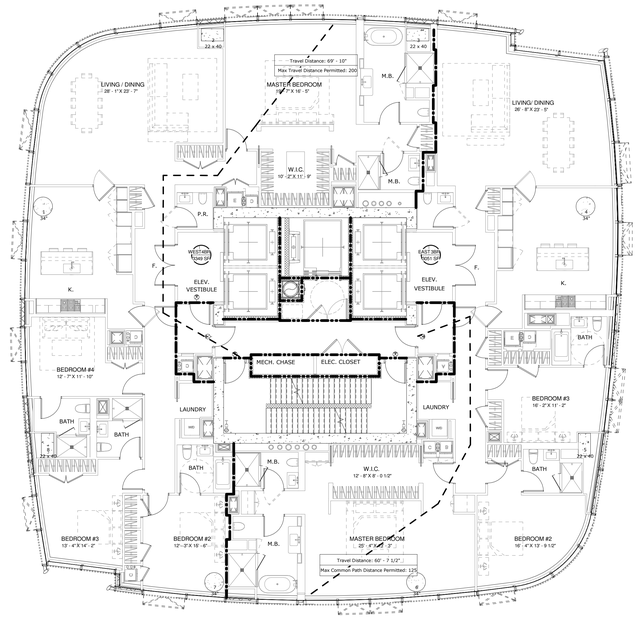
GHWA-Egress Calculation Floor 48 (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
LEVEL 48				
EAST	3BR	3010 SF	200 SF	15
WEST	4BR	3323 SF	200 SF	17
				32

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



2 EGRESS LEVEL 49 T.O.S.
1/8" = 1'-0"

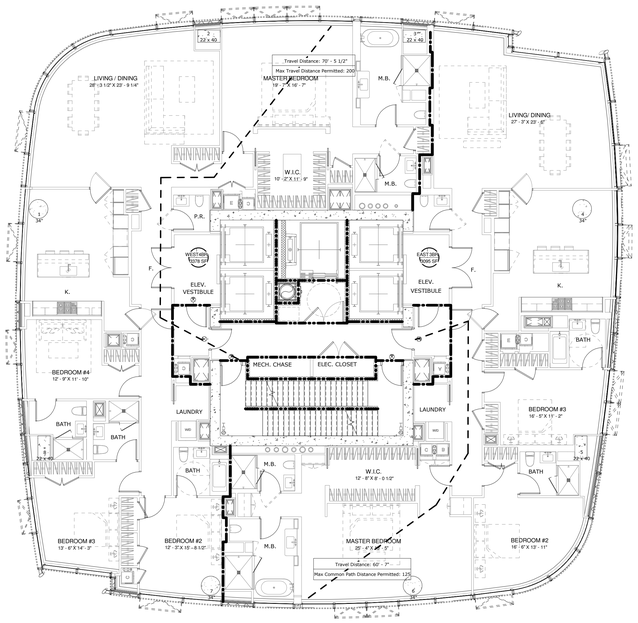
GHWA-Egress Calculation Floor 49 (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
LEVEL 49				
EAST	3BR	3051 SF	200 SF	15
WEST	4BR	3349 SF	200 SF	17
				32

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



3 EGRESS LEVEL 50 T.O.S.
1/8" = 1'-0"

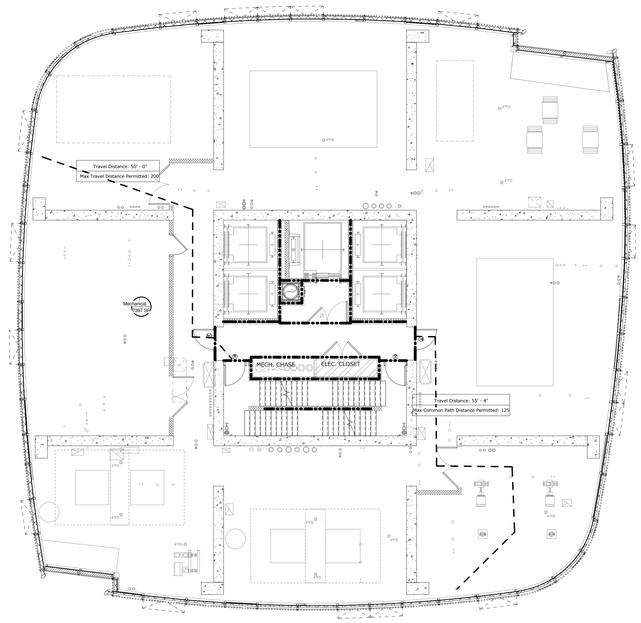
GHWA-Egress Calculation Floor 50 (B.C.Table 1004.1.2)

Space	Name	Area	SF per OCC	Total OCC
LEVEL 50				
EAST	3BR	3095 SF	200 SF	15
WEST	4BR	3378 SF	200 SF	17
				32

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



4 EGRESS LEVEL 51 (MECHANICAL) T.O.S.
1/8" = 1'-0"

GHWA-Egress Calculation Floor 51 (B.C.Table 1004.1.2)

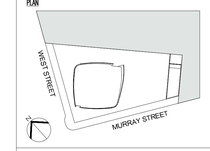
Space	Name	Area	SF per OCC	Total OCC
LEVEL 51 (MECHANICAL)				
Mechanical		7397 SF	300 SF	25
				25

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

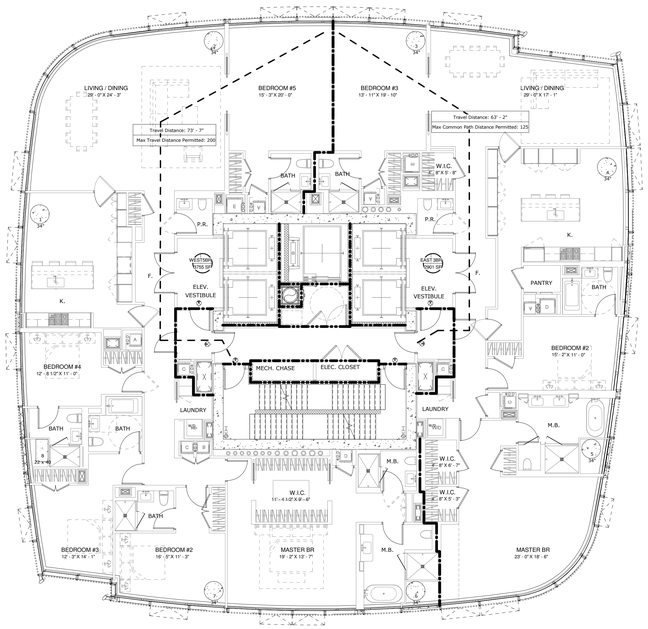
DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
LIFE SAFTEY FOR FLOOR 48,49,50,51

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN M. LI
029408
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/8" = 1'-0"
DWG NO.	EG-012.00



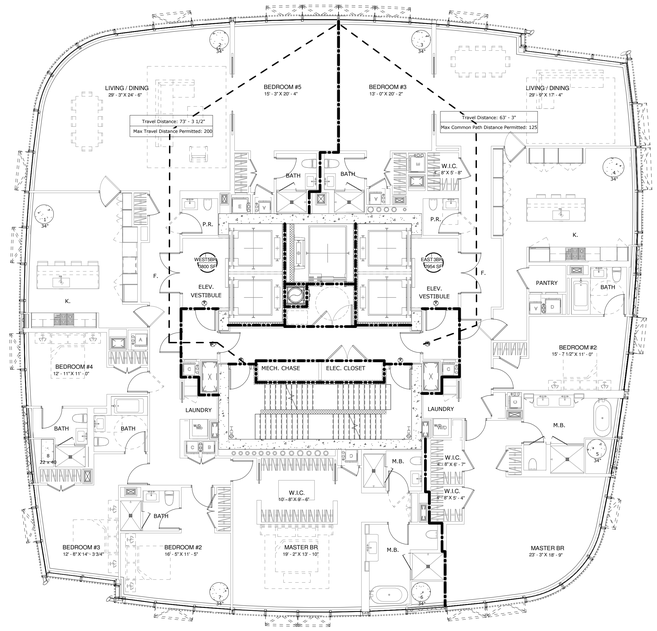
1 EGRESS LEVEL 52 T.O.S.
1/8" = 1'-0"

GHWA-Egress Calculation Floor 52 (B.C.Table 1004.1.2)				
Space	Name	Area	SF per OCC	Total OCC
LEVEL 52				
EAST	3BR	2901 SF	200 SF	15
WEST	5BR	3755 SF	200 SF	19
				33

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



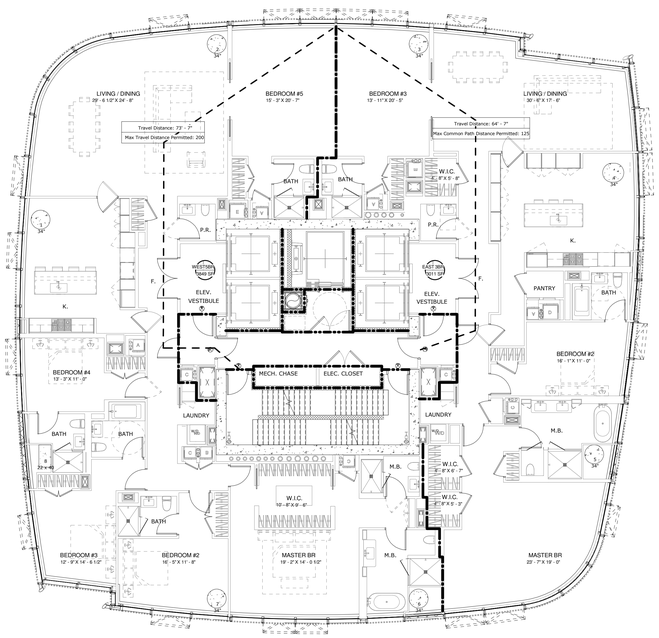
2 EGRESS LEVEL 53 T.O.S
1/8" = 1'-0"

GHWA-Egress Calculation Floor 53 (B.C.Table 1004.1.2)				
Space	Name	Area	SF per OCC	Total OCC
LEVEL 53				
EAST	3BR	2954 SF	200 SF	15
WEST	5BR	3800 SF	200 SF	19
				34

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



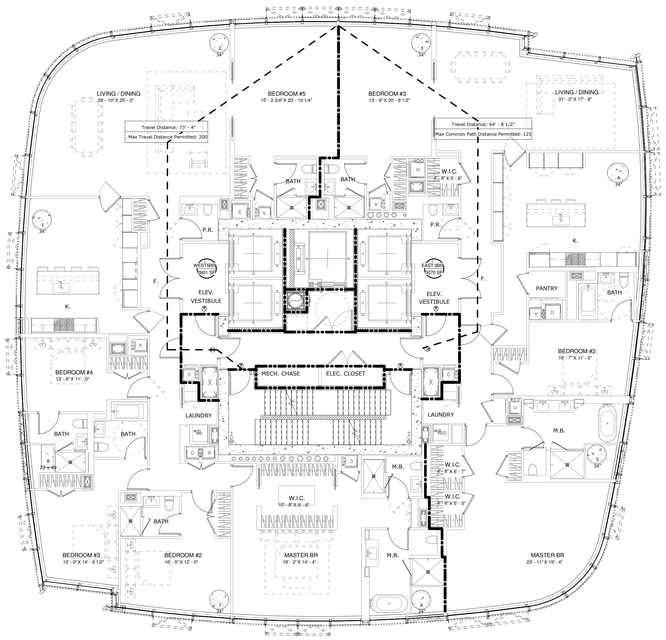
3 EGRESS LEVEL 54 T.O.S.
1/8" = 1'-0"

GHWA-Egress Calculation Floor 54 (B.C.Table 1004.1.2)				
Space	Name	Area	SF per OCC	Total OCC
LEVEL 54				
EAST	3BR	3011 SF	200 SF	15
WEST	5BR	3849 SF	200 SF	19
				34

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

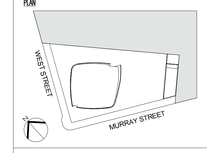
CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



4 EGRESS LEVEL 55 T.O.S.
1/8" = 1'-0"

KEY PLAN



3	03/09/15	DOB ISSUE	
2	01/23/15	DOB ISSUE	
1	09/15/14	DOB ISSUE	
Number:	Date:	Revision:	

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

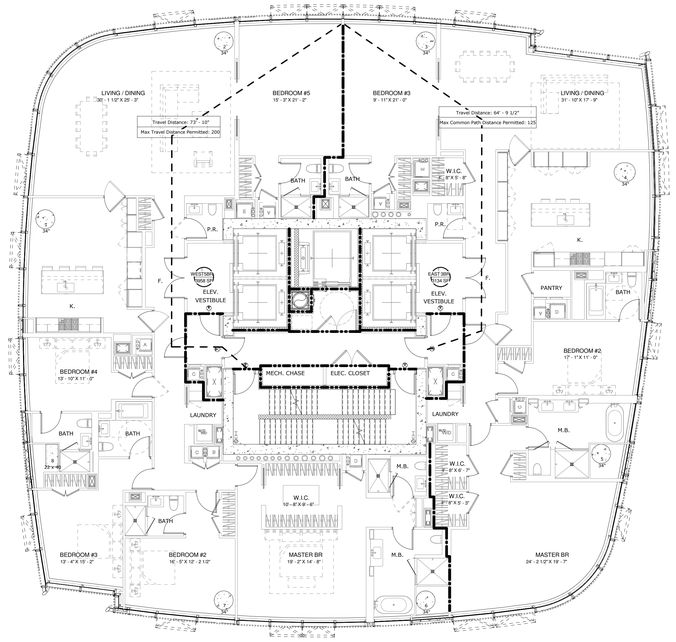
DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
LIFE SAFTEY FOR FLOOR 52,53,54,55

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN ALLEN
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/8" = 1'-0"
DWG NO.	EG-013.00



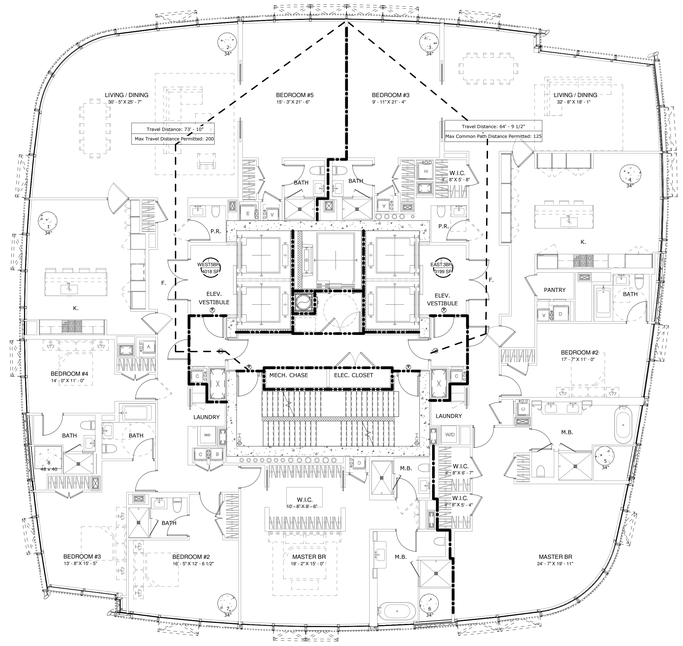
1 EGRESS LEVEL 56 T.O.S.
1/8" = 1'-0"

GHWA-Egress Calculation Floor 56 (B.C.Table 1004.1.2)				
Space	Name	Area	SF per OCC	Total OCC
LEVEL 56 T.O.S.				
EAST	3BR	3134 SF	200 SF	16
WEST	5BR	3958 SF	200 SF	20
				35

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



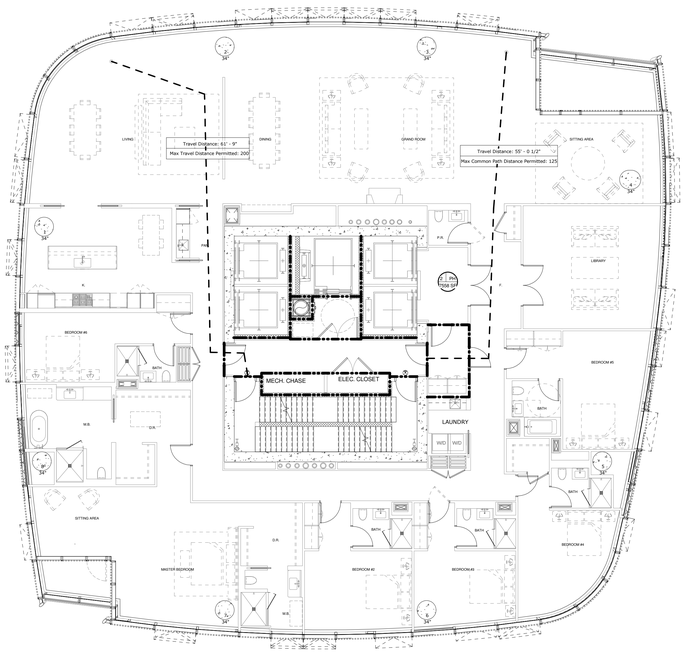
2 EGRESS LEVEL 57 T.O.S.
1/8" = 1'-0"

GHWA-Egress Calculation Floor 57 (B.C.Table 1004.1.2)				
Space	Name	Area	SF per OCC	Total OCC
LEVEL 57 T.O.S.				
EAST	3BR	3199 SF	200 SF	16
WEST	5BR	4018 SF	200 SF	20
				36

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)



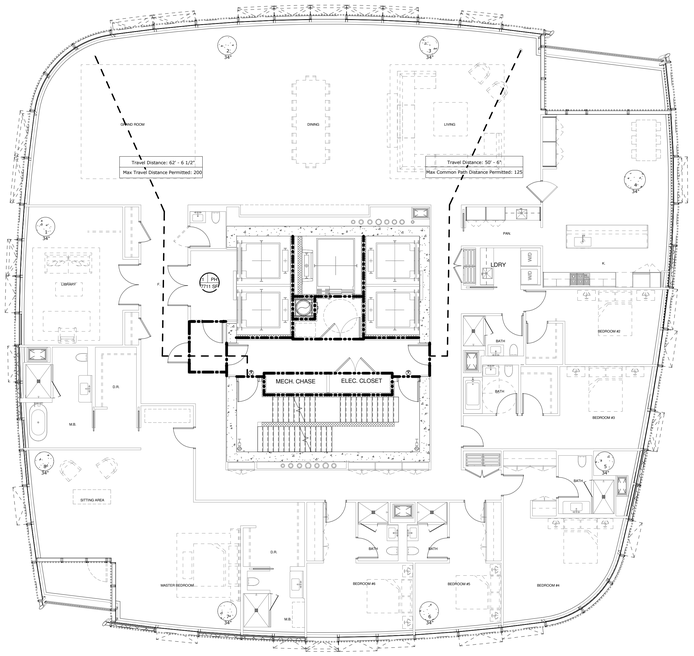
3 EGRESS LEVEL 58 T.O.S.
1/8" = 1'-0"

GHWA-Egress Calculation Floor 58 (B.C.Table 1004.1.2)				
Space	Name	Area	SF per OCC	Total OCC
LEVEL 58				
2	PH	7558 SF	200 SF	38
				38

CAPACITY OF STAIRS A & B IS 150 PEOPLE PER 45" WIDE STAIR. TOTAL OF 300 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX STAIR CAPACITY)

CAPACITY OF DOOR A & B IS 180 PEOPLE PER 36" WIDE OPENING. TOTAL OF 360 PEOPLE. (TOTAL OCCUPANT LOAD COMPLIES W/ MAX DOOR CAPACITY)

(B.C. 1008.1.1.1 DOOR WIDTH.) THE MINIMUM WIDTH OF EACH DOOR SHALL PROVIDE A CLEAR WIDTH OF NOT LESS THAN 32". (COMPLIES)

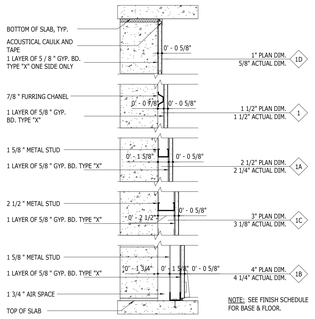

GRAND ROOM
DINING
LIVING
Travel Distance: 62' - 6 1/2"
Max Travel Distance Permitted: 200
Travel Distance: 50' - 6"
Max Common Path Distance Permitted: 125
P.R.
Library
LDRY
K.
BATH
BEDROOM #2
W.I.C.
W.I.C.
W.I.C.

DEPT OF BLDGS 121123110 Job Number
ESI149780305 Scan Code

PARTITION SCHEDULE

RATING & LOCATION: 1 — FURRING ON INTERIOR CONCRETE OR MASONRY WALLS

HEAD:



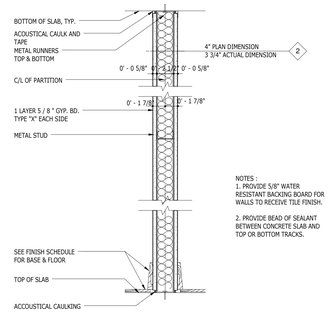
PLAN:

BASE:

NOTES:

1. 5/8" GYPSUM BOARD TYPE "X" ON 7/8 " METAL FURRING CHANNEL @ 24" O.C.
1A. 5/8" GYPSUM BOARD TYPE "X" ON 1 5/8" METAL STUDS @ 24" O.C.
1B. 5/8" GYP. BD. TYPE "X" ON 1 5/8" METAL STUDS @ 24" O.C.
1C. 5/8 " GYP. BD. TYPE "X" ON 2 1/2 " METAL STUDS @ 24" O.C.
1D. 5/8 " GYPSUM BOARD TYPE "X" LAMINATED TO C.M.U. WALL

2 — 1HR — 1 HR - 39 STC - UL U419 INTERIOR PARTITION

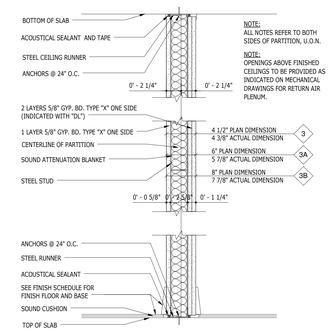


PARTITION WITHIN APARTMENT TO BE AS FOLLOWS:

2. 1 LAYER OF 5/8" GYP. BD. ON EACH SIDE OF MTL. STUDS.

AS NOTED ABOVE W/ 2 1/2" MTL. STUDS @ 16" O.C. 12" O.C. @ KITCHENS WITH 2" SOUND ATTENUATION BLANKET BETWEEN STUDS & BRACED ABOVE CEILING AS REQUIRED- BETWEEN LIVING ROOMS AND MASTER BEDROOMS

3 — 1 HR — 1 HR 51 STC - UL U419 (WALL TYPE 3) / 1 HR 54 STC - UL U419 (WALL TYPE 3A) INTERIOR PARTITION AT MASTER BEDROOMS



INTERIOR PARTITIONS TO BE AS FOLLOWS:

1 LAYER OF 5/8" GYP. BD. TYPE "X" ONE SIDE, 2 LAYERS OF 5/8" GYP. BD. TYPE "X" ON ONE SIDE OF 22 GAUGE 2 1/2" STEEL STUDS.

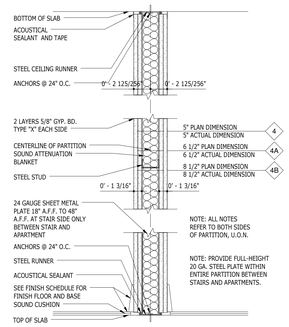
3. AS NOTED ABOVE WITH 25 GAUGE 2 1/2" STEEL STUDS @ 24" O.C. WITH 2" THICK SOUND ATTENUATION BLANKET
3A. AS NOTED ABOVE WITH 25 GAUGE 4" STEEL STUDS @ 24" O.C. WITH 3 1/2" THICK SOUND ATTENUATION BLANKET
3B. AS NOTED ABOVE WITH 25 GAUGE 6" STEEL STUDS @ 24" O.C. WITH 5 1/2" THICK SOUND ATTENUATION BLANKET

MAXIMUM CLEAR HEIGHTS ALLOWED FOR:

	2 1/2" STEEL STUD	4" STEEL STUD	6" STEEL STUD
24" O.C.	11'-6"	16'-3"	22'-0"

IF CLEAR HEIGHT IS GREATER THAN INDICATED, A WIDER STEEL STUD MUST BE USED.

4 — 1HR — 1 HR - 55 STC - UL U419 PARTITION BETWEEN PUBLIC CORRIDOR & APARTMENTS, AND BETWEEN APARTMENTS



PARTITIONS BETWEEN APARTMENTS & PUBLIC CORRIDORS AND BETWEEN APARTMENTS TO BE AS FOLLOWS:

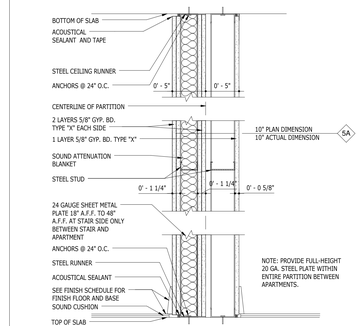
4. AS NOTED ABOVE WITH 25 GAUGE 2 1/2" STEEL STUDS @ 24" O.C. WITH 2" THICK SOUND ATTENUATION BLANKET
4A. AS NOTED ABOVE WITH 25 GAUGE 4" STEEL STUDS @ 24" O.C. WITH 3 1/2" THICK SOUND ATTENUATION BLANKET
4B. AS NOTED ABOVE WITH 25 GAUGE 6" STEEL STUDS @ 24" O.C. WITH 5 1/2" THICK SOUND ATTENUATION BLANKET

MAXIMUM CLEAR HEIGHTS ALLOWED FOR:

	2 1/2" STEEL STUD	4" STEEL STUD	6" STEEL STUD
24" O.C.	11'-6"	16'-3"	22'-0"

IF CLEAR HEIGHT IS GREATER THAN INDICATED, A WIDER STEEL STUD MUST BE USED.

5 — 1HR — 1 HR - 55 STC - UL U419 PARTITION BETWEEN APARTMENTS @ GAS LINE CHASE



PARTITIONS BETWEEN APARTMENTS @ KITCHEN GAS LINE TO BE AS FOLLOWS :

5A. 2 LAYERS OF 5/8" GYP. BD. TYPE "X" EACH SIDE OF 25 GAUGE 2 1/2" STEEL STUDS AT 24" O.C. WITH 2" THICK SOUND ATTENUATION BLANKET INSULATION BETWEEN STUDS. ON KITCHEN SIDE 5/8" GYP. BD. OVER 3-5/8" METAL STUD.

RATING & LOCATION: 6 — INSULATED FURRING ON INTERIOR CONCRETE OR MASONRY WALLS

HEAD:

PLAN:

BASE:

NOTES:

6A. 5/8" GYPSUM BOARD TYPE "X" ON 1 5/8" METAL STUDS @ 24" O.C. & 2" THICK SOUND ATTENUATION BLANKET
6B. 5/8" GYP. BD. TYPE "X" ON 1 5/8" METAL STUDS @ 24" O.C. & 2" THICK SOUND ATTENUATION BLANKET
6C. 5/8 " GYP. BD. TYPE "X" ON 2 1/2 " METAL STUDS @ 24" O.C. & 2" THICK SOUND ATTENUATION BLANKET

7 — 1HR — 1 HR - 39 STC - UL U419 INTERIOR PARTITION WITH OPENING IN PLENUM

PARTITION WITHIN APARTMENT TO BE AS FOLLOWS:

7. 1 LAYER OF 5/8" GYP. BD. ON EACH SIDE OF MTL. STUDS.

AS NOTED ABOVE W/ 2 1/2" MTL. STUDS @ 16" O.C. 12" O.C. @ KITCHENS WITH 2" SOUND ATTENUATION BLANKET BETWEEN STUDS & BRACED ABOVE CEILING AS REQUIRED- BETWEEN LIVING ROOMS AND MASTER BEDROOMS

8 — 1HR — 1 HR - 50 STC - UL U420 CHASE WALL WITHIN APARTMENTS

CHASE WALL WITHIN APARTMENTS TO BE AS FOLLOWS:

8. 1 LAYER OF 5/8" GYP. BD. TYPE "X" EACH SIDE OF 25 GAUGE 1 5/8" STEEL STUDS @ 24" O.C. WITH 2" THICK SOUND ATTENUATION BLANKET
8A. AS NOTED ABOVE WITH 2 1/2" STEEL STUDS @ 16" O.C. WITH 2" THICK SOUND ATTENUATION BLANKET

9 — 1HR — 1 HR - 55 STC - UL U420 CHASE WALL BETWEEN APARTMENTS

PIPE CHASE BETWEEN APARTMENT TO BE AS FOLLOWS:

9. 2 LAYERS OF 5/8" WR GYP. BD. TYPE 'X' ON 1 5/8" MTL. STUDS @ 24" O.C.; 2 LAYERS OF 5/8" WR GYP. BD. TYPE 'X' ON 1 5/8" MTL. STUDS @ 24" O.C. AT OPPOSITE SIDE WITH 2" SOUND ATTENUATION BLANKET INSULATION (12" O.C. AT KITCHEN CABINET LOCATIONS)

9A. NOTE: USE MOISTURE/MOLD RESISTANT GYPSUM BOARD TO 7'-0" HIGH FOR 3 SIDES OF TUB AND SHOWER, AND TO WALL BEHIND W.C. & LAVATORY.

10 — VARIES — 1 HR/2 HR/3 HR VARIES: UL U904, UL U905, UL U906 CONCRETE MASONRY WALL

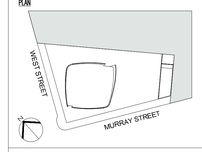
10. 6" CONCRETE MASONRY WALL
10A. 8" CONCRETE MASONRY WALL
10B. 10" CONCRETE MASONRY WALL
10C. PROVIDE TYPE C-3 CONCRETE BLOCK WHERE 3 HOUR RATING IS REQUIRED, 3 HR FIRE RATED WALL AT TRASH COMPACTOR ROOM & TRASH CHUTE WALLS WITH 1 1/2 HR. FPSC RATED DOOR, MIN STC 50

NOTE: BLOCK TO BE FILLED SOLID WITH 3,000 PSI GROUT WHERE REQUIRES FOR SEISMIC REINFORCING. SEE STRUCTURAL DRAWINGS FOR MORE INFORMATION ON MASONRY WALLS

NOTES:

1. AT ALL KITCHEN CABINET AREAS SPACE STUDS 12" O.C.
2. AT ALL PARTITIONS INDICATED TO RECEIVE TILE, SPACE STUDS 16" O.C. UNLESS STUDS ARE INDICATED AS 12" O.C.
3. PROVIDE ADDITIONAL LAYER OR LAYERS OF GYPSUM BOARD AS REQUIRED FOR PARTITIONS WHERE ADJACENT LAYERS NEED TO BE ALIGNED OR FLUSH.
4. PROVIDE SOUND ATTENUATION WRAP AROUND HORIZONTAL DUCT RUNNING ACROSS AN APARTMENT ONLY. 10'-0" MINIMUM HORIZONTAL LENGTH FROM ROOF FAN. COORDINATE WITH HVAC (SEE MISCELLANEOUS DETAILS AT HORIZONTAL OFFSET DUCT).
5. ELECTRICAL AND SERVICE OUTLETS FOR ADJACENT ROOMS ARE TO BE POSITIONED A MINIMUM 24" APART AND IN SEPARATE STUD SPACES.
6. NO GYPSUM BOARD LAYERS ARE TO BE CONTINUOUS BETWEEN TWO ADJACENT ROOMS.
7. DEMISING PARTITIONS TO CLOSE THROUGH PERIMETER FASCIA TO THE BASE BUILDING CONSTRUCTION, SUCH AS COLUMN ENCLOSURES, ETC.
8. PROVIDE CONTINUOUS ACOUSTICAL (NON-HARDENING) CAULKING BEADS ON EACH SIDE OF THE TOP AND BOTTOM STUD RUNNER AT THE 3-WAY INTERSECTION BETWEEN THE RUNNER, FLOOR, AND GYPSUM BOARD.
9. PROVIDE ACOUSTICAL (NON-HARDENING) CAULKING TO CLOSE GAPS BETWEEN ALL RECEPTACLE OUTLETS (ELECTRICAL, TELEPHONE, DATA, ETC.) AND GYPSUM BOARD.
10. MULTIPLE LAYERS OF GYPSUM BOARD ARE TO BE APPLIED WITH JOINTS STAGGERED AT LEAST 16" RELATIVE TO ONE ANOTHER.
11. WALL PENETRATIONS WIDER THAN 24" TO BE FRAMED OUT BY STEEL STUDS, OTHERWISE TO BE BETWEEN FULL HEIGHT STUDS. THE FRAMING SHALL MAINTAIN LESS THAN A 2" GAP AROUND DUCTWORK OR OTHER SERVICE PENETRATING THE WALL.
12. PENETRATIONS THROUGH SOUND CRITICAL PARTITIONS (DUCTS, PIPES, CONDUITS, ETC.) ARE TO BE HANDLED AS FOLLOWS:
    A. GAPS GREATER THAN 2" REQUIRE GYPSUM BOARD PATCHING FROM BOTH SIDES, CAREFULLY CUT OUT AROUND PENETRATING ELEMENTS. BATT INSULATION SHALL BE PACKED AROUND PENETRATING ELEMENTS WITHIN THE AREA OF THE PENETRATION.
    B. 2" GAPS OR LESS FILLED FROM EACH SIDE WITH HEAVY DENSITY PUTTY WHICH MEETS THE REQUIRED FIRE RATINGS.
    C. CABLE TRAYS TO BE PACKED TIGHTLY WITH HEAVY DENSITY PUTTY AS ABOVE, ONCE CABLES ARE PULLED.
13. ALL DEMISING PARTITIONS ARE TO BE BUILT FULL-HEIGHT FROM THE FLOOR SLAB TO THE CEILING SLAB ABOVE, U.O.N.
14. INTERIOR PARTITIONS WITHIN APARTMENTS TO STOP 3" ABOVE FINISHED CEILING FOR PLENUM. SEE MECHANICAL DRAWINGS FOR MORE INFO REGARDING CEILING PLENUMS.
15. FILL IN SLOT OPENINGS OR SLEEVES ON ALL WALL AND SLAB PENETRATIONS AS REQUIRED WITH THERMAFIBER SAFING INSULATION (HIGH DENSITY), OR EQUAL AFTER THE INSTALLATION OF DUCTS AND PIPING.
16. ALL SLOT OPENINGS OR SLEEVES AT SHEARWALLS, REINFORCED CONCRETE WALLS, COLUMNS, AND BEAMS TO BE APPROVED BY STRUCTURAL ENGINEER AND TO BE COORDINATED WITH MEP ENGINEER.
17. ALL PARTITIONS ENCLOSING BEDROOMS TO HAVE 2" THICK SOUND ATTENUATION BLANKET, FLOOR SLAB TO TOP OF PARTITION.
18. PROVIDE REQUIRED FIRE RATED FIRESTOPPING WHERE DIFFERENT PARTITION TYPES INTERSECT. WHEN PARTITIONS/SLABS/STRUCTURAL ELEMENTS OF VARYING REQUIRED FIRE RATINGS MEET, PROVIDE REQUIRED FIRESTOPPING TO MATCH THE GREATER RATING. (EX. CONCRETE BLOCK/GYPSUM BOARD, STRUCTURAL ELEMENTS WITH SPRAY-ON FIREPROOFING/GYPSUM, ETC.)
19. AT ALL LOCATIONS WHERE GYPSUM BOARD TERMINATES AT THE WINDOW JAMBS, THERE SHALL BE NO MECHANICAL FASTENING INTO THE FRAMES. PROVIDE 1/2" THICK CLOSED CELL NEOPRENE BETWEEN THE MULLION AND PARTITION END STUD WITH SILICONE CAULKING ON EITHER SIDE OF THE NEOPRENE. COMPRESS THE NEOPRENE AS MUCH AS POSSIBLE TO ENSURE AN AIRTIGHT SEAL. ON EITHER SIDE OF THE MULLION, PROVIDE FIELD-APPLIED 5/8" EXTRUDED ALUMINUM SIDEPACKS FILLED WITH INSULATION AND DRYWALL RECEPTORS ADHERED DIRECTLY TO THE WINDOW FRAME WITH 3M VHB 5952 SERIES STRUCTURAL TAPE, OR APPROVED EQUAL.
20. ALL STEEL MEMBERS TO BE GALVANIZED.
21. PROVIDE MOLD AND MOISTURE RESISTANT GYPSUM BOARD U.O.N.
22. PROVIDE MOLD AND MOISTURE RESISTANT FIBERGLASS FACED TILE BACKER BOARD AT ALL AREAS TO RECEIVE TILE, TYP.
23. ALL PARTITIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH USG CONSTRUCTION GUIDELINES TO ENSURE INTENDED FIRE RATING AND ACOUSTICAL PERFORMANCE IS ACHIEVED IN THE FIELD.

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
PARTITION TYPES

SEAL & SIGNATURE:
REGISTERED ARCHITECT STEPHEN TILLET N. CORONA OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1 1/2" = 1'-0"
DWG NO.	A-006.00

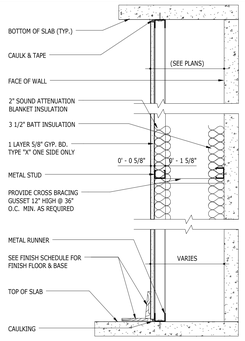
DEPT OF BLDGS 122132110 Job Number
E360MS053007 Scan Code

PARTITION SCHEDULE

RATING & LOCATION:

11 — CHASE WALL @ MASONRY, CONCRETE WALL, & RATED CORRIDOR

HEAD:



PLAN:

BASE:

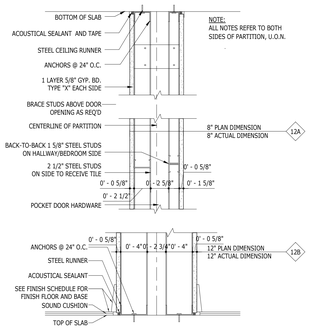
NOTES:

CHASE WALL AT MASONRY OR CONCRETE WALL TO BE AS FOLLOWS:

11 — 1 LAYER OF 5/8" MOISTURE/MOLD RESISTANT GYPSUM BOARD ON 1 5/8" METAL STUDS @ 24" O.C. W/ 2" SOUND ATTENUATION BLANKET INSULATION.

11A — W/ 3 1/2" BATT INSULATION ON EXTERIOR WALLS ONLY

12 — INTERIOR POCKET DOOR PARTITION



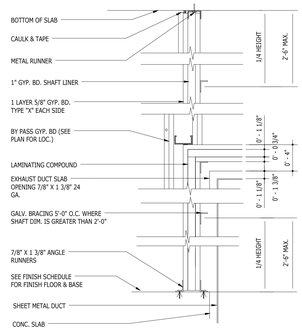
INTERIOR POCKET DOOR PARTITION TO BE AS FOLLOWS:

12A — 1 LAYER OF 5/8" GYP. TYPE "X" WITH 20 GAUGE 2 1/2" STEEL STUDS @ 12" O.C. AT BATHROOM SIDE (TO RECEIVE TILE) AND BACK-TO-BACK 20 GAUGE 1 5/8" STEEL STUDS AT 12" O.C. AT HALLWAY/BEDROOM SIDE WITH 2" POCKET DOOR HARDWARE

12B — 1 LAYER OF 5/8" GYP. TYPE "X" WITH 22 GAUGE 4" STEEL STUDS @ 12" O.C. ON EACH SIDE OF 2" POCKET DOOR HARDWARE

13 — 1 HR - UL U529 SHAFTWALL W/METAL DUCT @ PUBLIC CORRIDOR, KITCHEN, OR LAUNDRY EXHAUST

1HR



VENT SHAFT WITH METAL DUCT TO BE AS FOLLOWS:

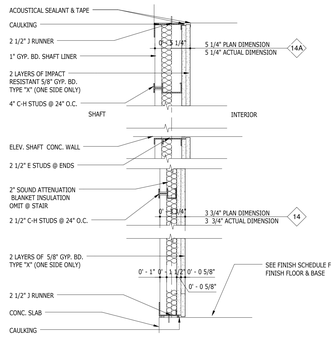
13 — 1" GYP. BD. LINER PANEL LAMINATED WITH 1 LAYER 5/8" GYP. BD. TYPE "X" ON EACH SIDE.

13A — LAMINATE 1 LAYER OF 5/8" GYP. BD. OVER PARTITION AT TUB ONLY.

NOTE:
FOR WALL MATERIAL AT BATHROOMS, POWDER ROOMS, KITCHENS, AND WASHER/DRYER CLOSETS, SEE NOTES FOR WALL TYPE #1.

14 — 1 HR - UL U438 SHAFTWALL AT ELEVATOR AND EXPRESS PLUMBING RISER

1HR



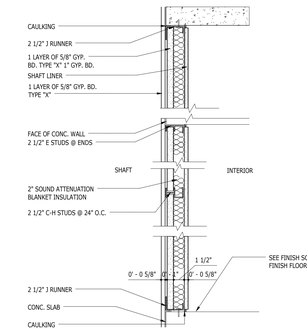
SHAFT WALL TO BE AS FOLLOWS:

14 — 2 LAYERS OF 5/8" GYP. BD. TYPE "X" ON CORRIDOR SIDE & 1" GYP. BD. LINER PANEL ON SHAFT SIDE OF 2 1/2" C-H METAL STUDS @ 24" O.C. MAX. W/2" SOUND ATTENUATION BLANKET INSULATION.

14A — 2 LAYERS OF IMPACT RESISTANT 5/8" GYP. BD. TYPE "X" ON CORRIDOR SIDE & 1" GYP. BD. LINER PANEL ON SHAFT SIDE OF 4" C-H METAL STUDS @ 24" O.C. MAX. W/2" SOUND ATTENUATION BLANKET INSULATION.

15 — 1 HR - UL U438 SHAFTWALL AT STAIR

1HR



SHAFT WALL TO BE AS FOLLOWS:

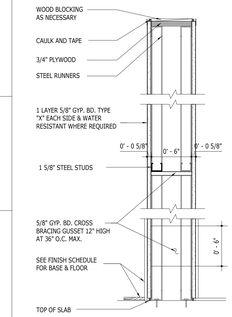
15 — 1 LAYER OF 5/8" GYP. BD. TYPE "X" ON CORRIDOR SIDE, 1 LAYER OF 5/8" GYP. BD. TYPE "X" ON STAIR SIDE, & 1" GYP. BD. LINER PANEL ON SHAFT SIDE OF 2 1/2" C-H METAL STUDS @ 16" O.C. MAX. W/2" SOUND ATTENUATION BLANKET INSULATION.

NOTE: 2 1/2" C-H MTL. STUDS 22 GA. MAX. HEIGHT 11'-10"

RATING & LOCATION:

16 — NOT RATED - KITCHEN KNEE WALL

HEAD:

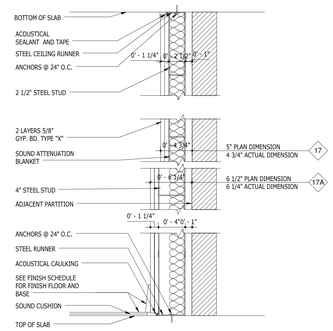


PLAN:

BASE:

NOTE : PROVIDE 5/8" WATER RESISTANT BACKING BOARD IN WET LOCATIONS AND FOR WALLS TO RECEIVE TILE FINISH.

17 — ISOLATED WALL FURRING FOR ADJACENCIES



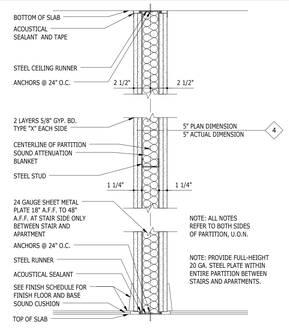
ISOLATED WALL FURRING TO BE AS FOLLOWS:

17 — AS NOTED ABOVE WITH 22 GAUGE 2 1/2" STEEL STUDS @ 16" O.C. WITH 2" THICK SOUND ATTENUATION BLANKET.

17A — AS NOTED ABOVE WITH 22 GAUGE 4" STEEL STUDS @ 16" O.C. WITH 3 1/2" THICK SOUND ATTENUATION BLANKET.

NOTE: BUILD ISOLATED PARTITION AT LEAST 1" AWAY FROM ADJACENT PARTITION
ISOLATED PARTITION SHALL NOT BE BRACED TO ADJACENT PARTITION
IF LATERAL BRACING IS REQUIRED, PROVIDE RESILIENT SWAY BRACES EQUAL TO MASON INDUSTRIES MODEL W3C

18 — PARTITION BETWEEN PUBLIC CORRIDOR & APARTMENTS



PARTITIONS BETWEEN APARTMENTS & PUBLIC CORRIDORS AND BETWEEN APARTMENTS TO BE AS FOLLOWS:

4 — AS NOTED ABOVE WITH 25 GAUGE 2 1/2" STEEL STUDS @ 24" O.C. WITH 2" THICK SOUND ATTENUATION BLANKET

MAXIMUM CLEAR HEIGHTS ALLOWED FOR:

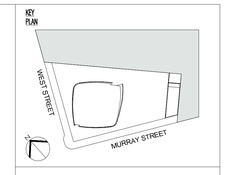
	2 1/2" STEEL STUD	4" STEEL STUD	6" STEEL STUD
24" O.C.	11'-6"	16'-3"	22'-0"

IF CLEAR HEIGHT IS GREATER THAN INDICATED, A WIDER STEEL STUD MUST BE USED.

NOTES:

1. AT ALL KITCHEN CABINET AREAS SPACE STUDS 12" O.C.
2. AT ALL PARTITIONS INDICATED TO RECEIVE TILE, SPACE STUDS 16" O.C. UNLESS STUDS ARE INDICATED AS 12" O.C.
3. PROVIDE ADDITIONAL LAYER OR LAYERS OF GYPSUM BOARD AS REQUIRED FOR PARTITIONS WHERE ADJACENT LAYERS NEED TO BE ALIGNED OR FLUSH.
4. PROVIDE SOUND ATTENUATION WRAP AROUND HORIZONTAL DUCT RUNNING ACROSS AN APARTMENT ONLY. 10'-0" MINIMUM HORIZONTAL LENGTH FROM ROOF FAN. COORDINATE WITH HVAC (SEE MISCELLANEOUS DETAILS AT HORIZONTAL OFFSET DUCT).
5. ELECTRICAL AND SERVICE OUTLETS FOR ADJACENT ROOMS ARE TO BE POSITIONED A MINIMUM 24" APART AND IN SEPARATE STUD SPACES.
6. NO GYPSUM BOARD LAYERS ARE TO BE CONTINUOUS BETWEEN TWO ADJACENT ROOMS.
7. DEMISING PARTITIONS TO CLOSE THROUGH PERIMETER FASCIA TO THE BASE BUILDING CONSTRUCTION, SUCH AS COLUMN ENCLOSURES, ETC.
8. PROVIDE CONTINUOUS ACOUSTICAL (NON-HARDENING) CAULKING BEADS ON EACH SIDE OF THE TOP AND BOTTOM STUD RUNNER AT THE 3-WAY INTERSECTION BETWEEN THE RUNNER, FLOOR, AND GYPSUM BOARD.
9. PROVIDE ACOUSTICAL (NON-HARDENING) CAULKING TO CLOSE GAPS BETWEEN ALL RECEPTACLE OUTLETS (ELECTRICAL, TELEPHONE, DATA, ETC.) AND GYPSUM BOARD.
10. MULTIPLE LAYERS OF GYPSUM BOARD ARE TO BE APPLIED WITH JOINTS STAGGERED AT LEAST 16" RELATIVE TO ONE ANOTHER.
11. WALL PENETRATIONS WIDER THAN 24" TO BE FRAMED OUT BY STEEL STUDS, OTHERWISE TO BE BETWEEN FULL HEIGHT STUDS. THE FRAMING SHALL MAINTAIN LESS THAN A 2" GAP AROUND DUCTWORK OR OTHER SERVICE PENETRATING THE WALL.
12. PENETRATIONS THROUGH SOUND CRITICAL PARTITIONS (DUCTS, PIPES, CONDUITS, ETC.) ARE TO BE HANDLED AS FOLLOWS:
    A. GAPS GREATER THAN 2" REQUIRE GYPSUM BOARD PATCHING FROM BOTH SIDES, CAREFULLY CUT OUT AROUND PENETRATING ELEMENTS. BATT INSULATION SHALL BE PACKED AROUND PENETRATING ELEMENTS WITHIN THE AREA OF THE PENETRATION.
    B. 2" GAPS OR LESS FILLED FROM EACH SIDE WITH HEAVY DENSITY PUTTY WHICH MEETS THE REQUIRED FIRE RATINGS.
    C. CABLE TRAYS TO BE PACKED TIGHTLY WITH HEAVY DENSITY PUTTY AS ABOVE, ONCE CABLES ARE PULLED.
13. ALL DEMISING PARTITIONS ARE TO BE BUILT FULL-HEIGHT FROM THE FLOOR SLAB TO THE CEILING SLAB ABOVE, U.O.N.
14. INTERIOR PARTITIONS WITHIN APARTMENTS TO STOP 3" ABOVE FINISHED CEILING FOR PLENUM. SEE MECHANICAL DRAWINGS FOR MORE INFO REGARDING CEILING PLENUMS.
15. FILL IN SLOT OPENINGS OR SLEEVES ON ALL WALL AND SLAB PENETRATIONS AS REQUIRED WITH THERMATBER SAFING INSULATION (HIGH DENSITY), OR EQUAL AFTER THE INSTALLATION OF DUCTS AND PIPING.
16. ALL SLOT OPENINGS OR SLEEVES AT SHEARWALLS, REINFORCED CONCRETE WALLS, COLUMNS, AND BEAMS TO BE APPROVED BY STRUCTURAL ENGINEER AND TO BE COORDINATED WITH MEP ENGINEER.
17. ALL PARTITIONS ENCLOSING BEDROOMS TO HAVE 2" THICK SOUND ATTENUATION BLANKET, FLOOR SLAB TO TOP OF PARTITION.
18. PROVIDE REQUIRED FIRE RATED FIRESTOPPING WHERE DIFFERENT PARTITION TYPES INTERSECT. WHEN PARTITIONS/SLABS/STRUCTURAL ELEMENTS OF VARYING REQUIRED FIRE RATINGS MEET, PROVIDE REQUIRED FIRESTOPPING TO MATCH THE GREATER RATING. (EX. CONCRETE BLOCK/GYPSUM BOARD, STRUCTURAL ELEMENTS WITH SPRAY-ON FIREPROOFING/GYPSUM, ETC.)
19. AT ALL LOCATIONS WHERE GYPSUM BOARD TERMINATES AT THE WINDOW JAMBS, THERE SHALL BE NO MECHANICAL FASTENING INTO THE FRAMES. PROVIDE 1/2" THICK CLOSED CELL NEOPRENE BETWEEN THE MULLION AND PARTITION END STUD WITH SILICONE CAULKING ON EITHER SIDE OF THE NEOPRENE. COMPRESS THE NEOPRENE AS MUCH AS POSSIBLE TO ENSURE AN AIRTIGHT SEAL. ON EITHER SIDE OF THE MULLION, PROVIDE FIELD-APPLIED 5/8" EXTRUDED ALUMINUM SIDEPACKS FILLED WITH INSULATION AND DRYWALL RECEPTORS ADHERED DIRECTLY TO THE WINDOW FRAME WITH 3M VHB 5952 SERIES STRUCTURAL TAPE, OR APPROVED EQUAL.
20. ALL STEEL MEMBERS TO BE GALVANIZED.
21. PROVIDE MOLD AND MOISTURE RESISTANT GYPSUM BOARD U.O.N.
22. PROVIDE MOLD AND MOISTURE RESISTANT FIBERGLASS FACED TILE BACKER BOARD AT ALL AREAS TO RECEIVE TILE, TYP.
23. ALL PARTITIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH USG CONSTRUCTION GUIDELINES TO ENSURE INTENDED FIRE RATING AND ACOUSTICAL PERFORMANCE IS ACHIEVED IN THE FIELD.

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-0790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
PARTITION TYPES

SEAL & SIGNATURE:

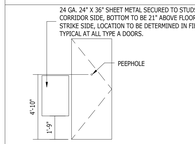
REGISTERED ARCHITECT STEPHEN T. KITE No. 026004 STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1 1/2" = 1'-0"
DWG NO.	A-007.00

DEPT OF BLDGS 122132110 Job Number
E3404889429 Scan Code

DOOR TYPES:

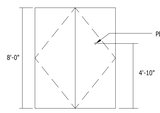
A APT. ENTRY DOOR



A1 NO PEEPHOLE WITHIN DOOR

NOTE:
FLUSH PANEL
F.P.S.C. 1 1/2 HR. TEST
35 STC RATING
WELDED BUCK
WIRED PUSH BUTTON CHIME
ENGRAVED ESCUTCHEON

B DOUBLE APT. ENTRY DOORS



NOTE:
FLUSH PANEL
F.P.S.C. 1 1/2 HR. TEST
35 STC RATING
WELDED BUCK
WIRED PUSH BUTTON CHIME
ENGRAVED ESCUTCHEON

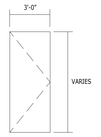
C CENTER OPENING DOORS

FOR PASSENGER ELEVATORS

NOTE:
FLUSH PANEL
F.P. 1 1/2 HR. TEST
DOUBLE SPEED SPLIT DOORS

SEE ELEVATOR DRAWINGS AND SPECIFICATIONS FOR FURTHER INFORMATION

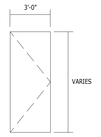
D CORRIDOR DOOR



D 3'-0" x 8'-0"
D1 3'-0" x 7'-0"

NOTE:
FLUSH PANEL

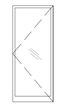
E EGRESS DOOR



E 3'-0" x 8'-0"
E1 3'-0" x 7'-0"

NOTE:
FLUSH PANEL
F.P.S.C. 1 1/2 HR. TEST
35 STC RATING

F BALCONY DOOR



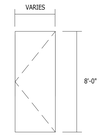
NOTE:
PART OF EXTERIOR GLAZING SYSTEM

FLUSH PANEL
SELF CLOSING

DOOR TO BE TEMPERED TRANSPARENT GLASS

PROVIDE HOLD OPEN LIMIT STOPS SET AT 95°

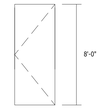
G APT. INTERIOR DOOR



G 3'-0" x 8'-0"
G1 2'-6" x 8'-0"
G2 2'-0" x 8'-0"
G3 2'-0" x 8'-0" - LOCKED AT ALL TIMES - MECH ACCESS
G4 2'-6" x 8'-0" - LOCKED AT ALL TIMES - MECH ACCESS
G5 3'-0" x 8'-0" - PROVIDE MORTISED HINGE AND LATCH BLANKS TO ALLOW FOR FUTURE REVERSAL OF DOOR SWING AS INDICATED ON PLANS
G6 3'-0" x 8'-0" CLOSET

NOTE:
UNDERCUT DOOR 1/2" ABOVE TOP OF STONE SADDLE @ BATHROOMS

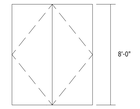
H DUAL ACTION SWING DOOR



H 3'-0" x 8'-0"

NOTE:
NON-LOCKED TRAFFIC DOOR
UNDERCUT DOOR 1/2" ABOVE TOP OF STONE SADDLE @ BATHROOMS

J APT. INTERIOR DOUBLE CLOSET DOORS

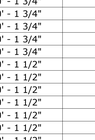


J 4'-0" x 8'-0"
J1 5'-0" x 8'-0"
J2 5'-8" x 8'-0"
J3 6'-0" x 8'-0"
J4 5'-8" x 8'-0" - LOCKED AT ALL TIMES - MECH ACCESS
J5 4'-0" x 8'-0" - LOCKED AT ALL TIMES - MECH ACCESS

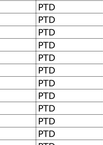
K LAUNDRY DOOR W/ LOUVERS

NOTE:
LOUVERED DOOR

L TRASH COMPACTOR DOOR



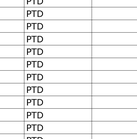
M SINGLE POCKET DOOR



M 3'-0" x 8'-0"
M1 2'-8" x 8'-0"
M2 3'-6" x 8'-0"
M3 4'-0" x 8'-0"

N DOUBLE POCKET DOOR

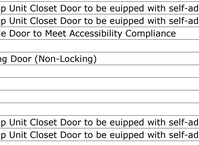
O EGRESS DOOR W/ LITE



O2 DOORS AT COMPACTOR ROOM TO BE 1 1/2 HOUR RATED,16 GAUGE STEEL, SELF-CLOSING, WITH KICK PLATES.

NOTE:
FLUSH PANEL
F.P.S.C. 1 1/2 HR. TEST

P DOUBLE ENTRANCE DOORS



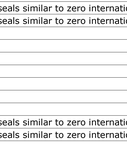
NOTE:
PART OF EXTERIOR GLAZING SYSTEM

FLUSH PANEL
SELF CLOSING

DOOR TO BE TEMPERED TRANSPARENT GLASS

PROVIDE HOLD OPEN LIMIT STOPS SET AT 95°

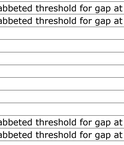
Q DOUBLE UTILITY DOORS



Q 6'-0" x 8'-0"
Q1 6'-0" x 8'-0" - LOCKED AT ALL TIMES - MECH ACCESS

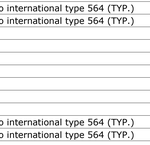
NOTE:
FLUSH PANEL
F.P.S.C. 1 1/2 HR. TEST
WELDED BUCK
DOORS TO SWING 180 DEGREES

R DOUBLE MECH ROOF DOORS



NOTE:
FLUSH PANEL
F.P.S.C. 1 1/2 HR. TEST

S RETAIL EGRESS DOORS



NOTE:
PANIC HARDWARE ACTION
SELF-CLOSING
BALANCED SWING DOOR AND
ASSEMBLY BY DOOR MANUFACTURER

T SINGLE SIDE OPENING DOOR

FOR SERVICE ELEVATORS

NOTE:
FLUSH PANEL
F.P. 1 1/2 HR. TEST
DOUBLE SPEED SIDE DOORS

SEE ELEVATOR DRAWINGS AND SPECIFICATIONS FOR FURTHER INFORMATION

U ENTRANCE DOOR

NOTE:
PART OF EXTERIOR GLAZING SYSTEM

FLUSH PANEL
SELF CLOSING

DOOR TO BE TEMPERED TRANSPARENT GLASS

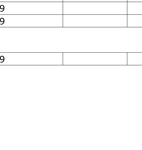
PROVIDE HOLD OPEN LIMIT STOPS SET AT 95°

V CELLAR DOOR

V 3'-0" x 8'-0" 1 HR FIRE RATING
V1 3'-0" x 8'-0" 1 1/2 HR FIRE RATING

NOTE:
FLUSH PANEL

W DOUBLE CELLAR DOOR



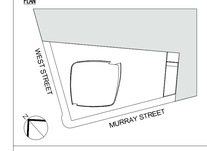
W 6'-0" x 8'-0" 1 HR FIRE RATING
W1 6'-0" x 8'-0" 1 1/2 HR FIRE RATING

NOTE:
FLUSH PANEL

DOOR SCHEDULE

Door Type	Location	Door Width	Door Height	Door Thickness	Door Fire Rating	Door STC Rating	Door Material	Door Finish	Frame Head Detail	Frame Jamb Detail	Frame Sill	Frame Material	Frame Finish	Hardware	Notes
Tower															
V2	Elevator	3' - 8"	8' - 0"	0' - 1 1/2"			Metal		#/A009	#/A009					
Cellar															
L	Trash Compactor Room	3' - 6"	7' - 6"	0' - 1 3/4"	3		Hollow Metal	PTD	#/A009	#/A009			PTD		
O	Cellar Egress	3' - 0"	8' - 0"	0' - 1 3/4"	1-1/2		Hollow Metal	PTD	#/A009	#/A009			PTD		
V	Corridor	3' - 0"	8' - 0"	0' - 2"	1		Hollow Metal	PTD	#/A009	#/A009			PTD		
V1	Corridor	3' - 0"	8' - 0"	0' - 2"	2		Hollow Metal	PTD	#/A009	#/A009			PTD		
W	Corridor	6' - 0"	8' - 0"	0' - 2"	1		Hollow Metal	PTD	#/A009	#/A009			PTD		
W1	Corridor	6' - 0"	8' - 0"	0' - 2"	2		Hollow Metal	PTD	#/A009	#/A009			PTD		
W2	Gas Meter Room	6' - 0"	8' - 0"	0' - 2"	3		Hollow Metal	PTD	#/A009	#/A009			PTD		
Ground															
P	Main Entrance	6' - 0"	8' - 0"				Glass		#/A009	#/A009					
S	Entry	3' - 0"	8' - 0"						#/A009	#/A009					
Pavillion															
E1	Egress	3' - 0"	7' - 0"	0' - 1 3/4"	1-1/2		Hollow Metal	PTD	#/A009	#/A009			PTD		
Tower															
A	Apartment Entry	3' - 0"	8' - 0"	0' - 1 3/4"	1		Wood	PTD	#/A009	#/A009			PTD		1 HR Wood Door with Intumescent Core
A1	Apartment Entry	3' - 0"	8' - 0"	0' - 1 3/4"	TBD		Wood	PTD	#/A009	#/A009			PTD		1 HR Wood Door with Intumescent Core
B	Apartment Entry	6' - 0"	8' - 0"	0' - 1 1/2"	1		Wood	PTD	#/A009	#/A009			PTD		1 HR Wood Door with Intumescent Core
C	Elevator	3' - 0"	8' - 0"	0' - 1 1/2"			Metal		#/A009	#/A009					
D	Corridor	3' - 0"	8' - 0"	0' - 1 3/4"			Hollow Metal	PTD	#/A009	#/A009			PTD		
D1	Corridor	3' - 0"	8' - 0"	0' - 1 3/4"			Hollow Metal	PTD	#/A009	#/A009			PTD		
E1	Egress	3' - 0"	7' - 0"	0' - 1 3/4"	1-1/2		Hollow Metal	PTD	#/A009	#/A009			PTD		
F	Apartment Exterior	3' - 0"	8' - 0"				Glass		#/A009	#/A009					Balcony Door - Refer to Exterior Wall Glazing System
G	Apartment Interior	3' - 0"	8' - 0"	0' - 1 3/4"			Wood	PTD	#/A009	#/A009			PTD		
G1	Apartment Interior	2' - 0"	8' - 0"	0' - 1 3/4"			Wood	PTD	#/A009	#/A009			PTD		
G2	Apartment Interior	2' - 6"	8' - 0"	0' - 1 3/4"			Wood	PTD	#/A009	#/A009			PTD		
G3	Apartment Interior	2' - 0"	8' - 0"	0' - 1 3/4"			Wood	PTD	#/A009	#/A009			PTD		Heat Pump Unit Closet Door to be euipped with self-adhesive head and jamb seals similar to zero international type 188 (TYP.) and rabbeted threshold for gap at door bottom similar to zero international type 564 (TYP.)
G4	Apartment Interior	2' - 6"	8' - 0"	0' - 1 3/4"			Wood	PTD	#/A009	#/A009			PTD		Heat Pump Unit Closet Door to be euipped with self-adhesive head and jamb seals similar to zero international type 188 (TYP.) and rabbeted threshold for gap at door bottom similar to zero international type 564 (TYP.)
G5	Apartment Interior	3' - 0"	8' - 0"	0' - 1 3/4"			Wood	PTD	#/A009	#/A009			PTD		Reversable Door to Meet Accessibility Compliance
G6	Apartment Interior	3' - 0"	8' - 0"	0' - 1 3/4"			Wood	PTD	#/A009	#/A009			PTD		
H	Apartment Interior	3' - 0"	8' - 0"	0' - 1 3/4"			Wood	PTD	#/A009	#/A009			PTD		Dual Swing Door (Non-Locking)
J	Apartment Interior	4' - 0"	8' - 0"	0' - 1 1/2"			Wood	PTD	#/A009	#/A009			PTD		
J1	Apartment Interior	5' - 0"	8' - 0"	0' - 1 1/2"			Wood	PTD	#/A009	#/A009			PTD		
J2	Apartment Interior	5' - 8"	8' - 0"	0' - 1 1/2"			Wood	PTD	#/A009	#/A009			PTD		
J3	Apartment Interior	6' - 0"	8' - 0"	0' - 1 1/2"			Wood	PTD	#/A009	#/A009			PTD		
J4	Apartment Interior	5' - 0"	8' - 0"	0' - 1 1/2"			Wood	PTD	#/A009	#/A009			PTD		Heat Pump Unit Closet Door to be euipped with self-adhesive head and jamb seals similar to zero international type 188 (TYP.) and rabbeted threshold for gap at door bottom similar to zero international type 564 (TYP.)
J5	Apartment Interior	4' - 0"	8' - 0"	0' - 1 1/2"			Wood	PTD	#/A009	#/A009			PTD		Heat Pump Unit Closet Door to be euipped with self-adhesive head and jamb seals similar to zero international type 188 (TYP.) and rabbeted threshold for gap at door bottom similar to zero international type 564 (TYP.)
K	Laundry	2' - 6"	8' - 0"	0' - 1 1/2"			Wood	PTD	#/A009	#/A009			PTD		
M	Apartment Interior	3' - 0"	8' - 0"	0' - 1 1/2"			Wood	PTD	#/A009	#/A009			PTD		
M1	Apartment Interior	2' - 8"	8' - 0"	0' - 1 1/2"			Wood	PTD	#/A009	#/A009			PTD		
M2	Apartment Interior	3' - 6"	8' - 0"	0' - 1 1/2"			Wood	PTD	#/A009	#/A009			PTD		
M3	Apartment Interior	4' - 0"	8' - 0"	0' - 1 1/2"			Wood	PTD	#/A009	#/A009			PTD		
Q	Service/Refuse	6' - 0"	7' - 0"	0' - 2"	1-1/2		Hollow Metal	PTD	#/A009	#/A009			PTD		
Q1	Elec Closet	6' - 0"	7' - 0"	0' - 2"	1-1/2		Hollow Metal	PTD	#/A009	#/A009			PTD		Doors to swing 180 degrees
T	Elevator	3' - 6"	8' - 0"	0' - 1 1/2"			Metal		#/A009	#/A009					
Bulkhead															
R	Service - Roof	6' - 0"	7' - 0"	0' - 2"	1-1/2		Hollow Metal	PTD	#/A009	#/A009			PTD		

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
DOOR SCHEDULE

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOHN STEPHEN HILL
No. 026004
STATE OF NEW YORK

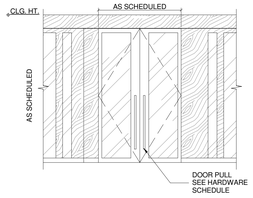
DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/4" = 1'-0"

A-008.00
DWG NO.

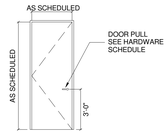
DEPT OF BLDGS 122132110 Job Number
E5738520505 Scan Code

DOOR TYPES:

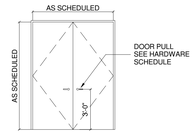
RAA DOUBLE ENTRANCE DOORS



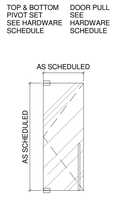
RB DOUBLE ENTRANCE DOORS



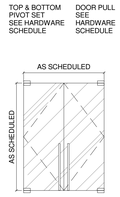
RBB DOUBLE ENTRANCE DOORS



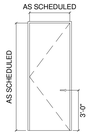
RC DOUBLE ENTRANCE DOORS



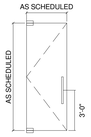
RCC DOUBLE ENTRANCE DOORS



RD DOUBLE ENTRANCE DOORS



RE DOUBLE ENTRANCE DOORS



RF DOUBLE ENTRANCE DOORS

RFF DOUBLE ENTRANCE DOORS

RGG DOUBLE ENTRANCE DOORS

RH DOUBLE ENTRANCE DOORS

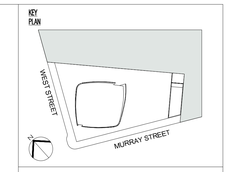
RJ DOUBLE ENTRANCE DOORS

RK DOUBLE ENTRANCE DOORS

DOOR SCHEDULE

FLOOR	DOOR NO.	DOOR TYPE	DOOR SIZE (W x H x TH)	DOOR MATERIAL	DOOR FINISH	DOOR UNDER-CUT	FRAME HEAD	FRAME JAMB	FRAME MAT.	FRAME FINISH	ACCESSORIES	FIRE RATING	HARDWARE SET	REMARKS
CELLAR FLOOR	D001	RAA	(2'-10" & 2'-10") X 10' X 5/8"	GL/WD	GL-01/WD-03	3/4"	WD	WD	WD	WD-03	-	-	-	
	D002	RB	3' X 8' X 1-3/4"	HW	SP-01	3/4"	HM	HM	HM	SP-01	-	-	-	
	D003	RCC	(2'-10" & 2'-10") X 8' X 1/2"	GL	GL-01	3/4"	-	-	-	-	-	-	-	
	D004	RD	3' X 8' X 1-3/4"	WD	WD-01	3/4"	WD	WD	WD	WD-01	-	-	-	
	D005	RC	3' X 8' X 1/2"	GL	GL-01	MIN.	-	-	-	-	-	-	-	
	D006	RCC	(2'-10" & 2'-10") X 8' X 1/2"	GL	GL-01	3/4"	-	-	-	-	-	-	-	
	D007	RD	3' X 8' X 1-3/4"	HW	WD-01	3/4"	HM	HM	HM	PT-001	-	-	-	
	D008	RD	3' X 8' X 1-3/4"	WD	WD-06	3/4"	WD	WD	WD	WD-06	-	-	-	
	D009	RD	3' X 8' X 1-3/4"	WD	WD-06	3/4"	WD	WD	WD	WD-06	-	-	-	
	D010	RE	3' X 8' X 1/2"	GL	GL-02	MIN.	-	-	-	-	-	-	-	FROSTED GLASS
	D011	RC	3' X 8' X 1/2"	GL	GL-01	MIN.	-	-	-	-	-	-	-	
	D012	RF	3'-6" X 10' X 1'-3/4"	WD	WD-06	-	-	-	-	-	-	-	-	POCKET SLIDING
	D013	RF	3'-6" X 10' X 1'-3/4"	WD	WD-06	-	-	-	-	-	-	-	-	POCKET SLIDING
	D014	RAA	(2'-10" & 2'-10") X 10' X 5/8"	GL/WD	GL-01/WD-08	3/4"	WD	WD	WD	WD-08	-	-	-	
	D015	RF	3'-6" X 10' X 1-3/4"	WD	WD-06	3/4"	-	-	-	-	-	-	-	POCKET SLIDING
	D016	RF	3'-6" X 10' X 1-3/4"	WD	WD-06	3/4"	-	-	-	-	-	-	-	POCKET SLIDING
	D017	RC	3' X 8' X 1/2"	GL	GL-01	MIN.	-	-	-	-	-	-	-	
	D018	RE	3' X 8' X 1/2"	GL	GL-02	MIN.	-	-	-	-	-	-	-	FROSTED GLASS
	D019	RD	3' X 8' X 1-3/4"	WD	WD-06	3/4"	WD	WD	WD	WD-06	-	-	-	
	D020	RD	3' X 8' X 1-3/4"	WD	WD-06	3/4"	WD	WD	WD	WD-06	-	-	-	
	D021	RC	2'-10" X 8' X 1/2"	GL	GL-01	3/4"	-	-	-	-	-	-	-	
	D022	RK	3' X 8' X 1-3/4"	HW	WD-03	3/4"	HM	HM	HM	WD-03	-	-	-	WOOD SLATS SURFACE TREATMENT
	D023	RC	3' X 8' X 1/2"	GL	GL-01	3/4"	-	-	-	-	-	-	-	
	D024	RB	3' X 8' X 1-3/4"	HW	PT-XX	3/4"	HM	HM	HM	PT-XX	-	-	-	
	D025	RB	3' X 8' X 1-3/4"	HW	PT-XX	3/4"	HM	HM	HM	PT-XX	-	-	-	
	D026	RF	6' X 8' X 1-3/4"	WD	WD-XXX	-	-	-	-	-	-	-	-	POCKET SLIDING
	D027	RF	6' X 8' X 1-3/4"	WD	WD-XXX	-	-	-	-	-	-	-	-	POCKET SLIDING
	D028	RB	3' X 8' X 1-3/4"	HW	PT-XX	3/4"	HM	HM	HM	PT-001	-	-	-	
	D029	RBB	(2'-10" & 2'-10") X 8' X 1-3/4"	HW	PT-XX	3/4"	HM	HM	HM	PT-001	-	-	-	
	D030	RFF	(4'-3" & 4'-3") X 10' X 1-3/4"	WD	WD-XXX	-	-	-	-	-	-	-	-	POCKET SLIDING
GROUND FLOOR	D101	RJ	(3' & 3') X 10' X 5/8"	GL	GL-01	3/4"	MT	MT	MT	MT-01	-	-	-	SLIDING DOOR
	D102	RGG	(4' & 4') X 10' X 5/8"	GL	GL-01	3/4"	MT	MT	MT	MT-01	-	-	-	
	D103	RGG	(4' & 4') X 10' X 5/8"	GL	GL-01	3/4"	MT	MT	MT	MT-01	-	-	-	
	D104	RH	4'-6" X 10' X 1-3/4"	MT	MT-02	3/4"	MT	MT	MT	MT-01	-	-	-	PIVOT DOOR
	D105	RH	4'-6" X 10' X 1-3/4"	MT	MT-02	3/4"	MT	MT	MT	MT-01	-	-	-	PIVOT DOOR
	D106	RH	4'-6" X 10' X 1-3/4"	MT	MT-02	3/4"	MT	MT	MT	MT-01	-	-	-	PIVOT DOOR
	D107	RB	3' X 8' X 1-3/4"	HW	SP-04	3/4"	HM	HM	HM	SP-04	-	-	-	
	D108	RB	3' X 8' X 1-3/4"	HW	SP-04	3/4"	HM	HM	HM	SP-04	-	-	-	
	D109	RB	3' X 8' X 1-3/4"	HW	SP-04	3/4"	HM	HM	HM	SP-04	-	-	-	
	D110	RB	2' X 8' X 1-3/4"	HW	SP-04	3/4"	HM	HM	HM	SP-04	-	-	-	

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
AMENITY DOOR SCHEDULE

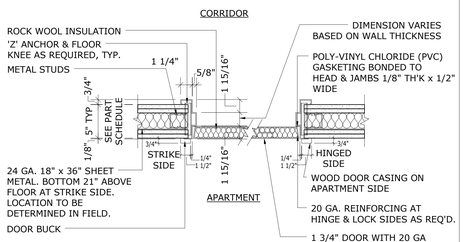
SEAL & SIGNATURE:

REGISTERED ARCHITECT
LEO STEPHEN HILL
026999
STATE OF NEW YORK

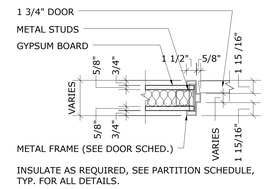
DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
	A-009.00
DWG NO.	

DEPT OF BLDGS 122132110 Job Number
ES2305693170 Scan Code

JAMB DETAILS



1 HORIZONTAL SECTION THRU APARTMENT ENTRANCE DOORS
BUCK PROFILE TYPICAL AT ALL DOORS IN PUBLIC CORRIDORS AT APARTMENT LEVELS

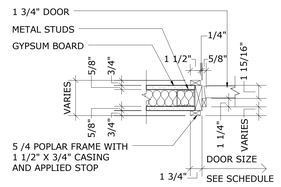


INSULATE AS REQUIRED, SEE PARTITION SCHEDULE, TYP. FOR ALL DETAILS.

WIDTH OF BUCK VARIES DEPENDING ON STUD WIDTH AND NUMBER OF LAYERS OF GYPSUM BOARD PROVIDED, TYP. FOR ALL DETAILS, U.O.N.

PROVIDE MORTISED HINGE AND LATCH BLANKS TO ALLOW FOR FUTURE REVERSAL OF THE DOOR SWING, TYP. FOR ALL DETAILS, U.O.N.
SEE PLANS FOR LOCATIONS.

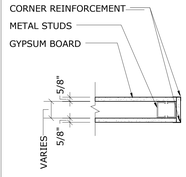
2 METAL BUCK @ GYPSUM PARTITIONS



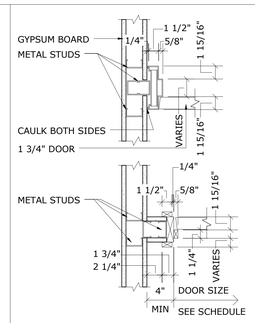
INSULATE AS REQUIRED, SEE PARTITION SCHEDULE, TYP. FOR ALL DETAILS.

WIDTH OF BUCK VARIES DEPENDING ON STUD WIDTH AND NUMBER OF LAYERS OF GYPSUM BOARD PROVIDED, TYP. FOR ALL DETAILS, U.O.N.

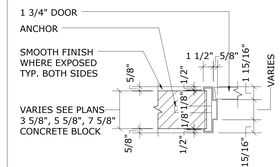
3 WOOD FRAME @ GYPSUM PARTITIONS



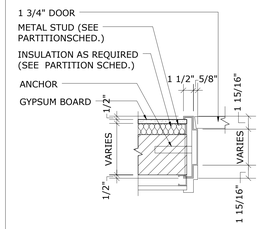
4 PARTITION TERMINAL



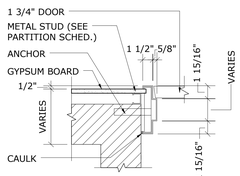
5 BUTT JAMB



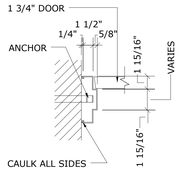
6 METAL BUCK @ MASONRY WALL



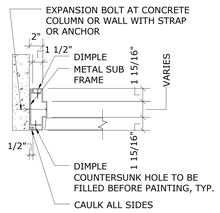
7 METAL BUCK @ MASONRY WALL



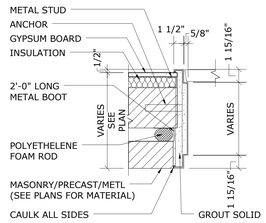
8 METAL BUCK @ MASONRY WALL



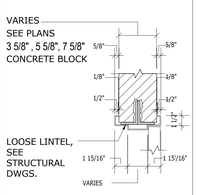
9 BUTT METAL JAMB @ MASONRY WALL



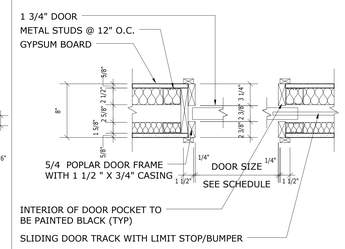
10 BUTT METAL JAMB @ CONCRETE WALL



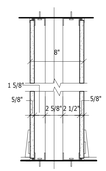
11 JAMB AT EXTERIOR WALL



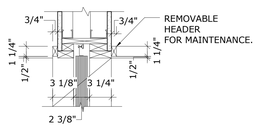
12 HEAD DETAIL @ MASONRY WALL



13 POCKET DOOR JAMB

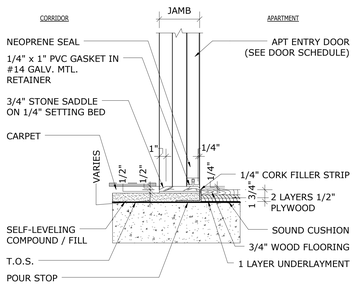


14 SECTION @ POCKET DOOR

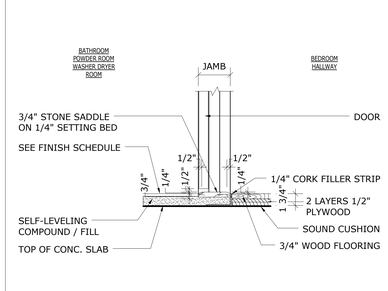


15 HEAD DETAIL @ POCKET DOOR

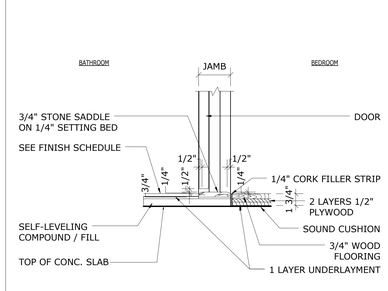
SADDLE / THRESHOLD DETAILS



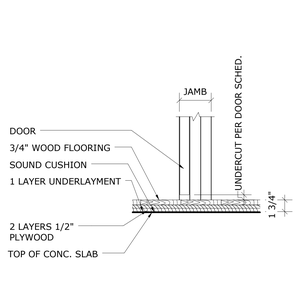
16 APARTMENT ENTRANCE



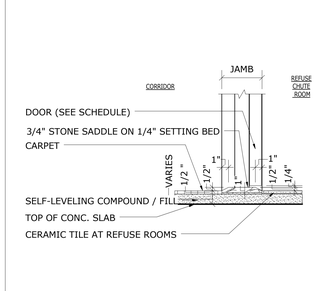
17 BATHROOMS, POWDER ROOMS AND WASHER/DRYER CLOSETS



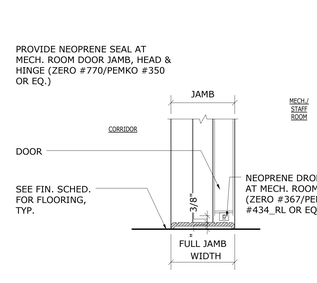
18 BATHROOMS



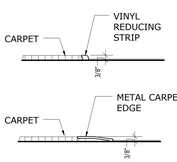
19 AT DOORS WITH NO SADDLE (SEE FINISH SCHEDULE FOR FLOOR FINISHES - TYP.)



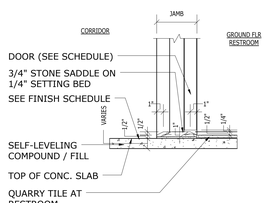
20 CORRIDOR & REFUSE CHUTE ROOM APARTMENT LEVELS



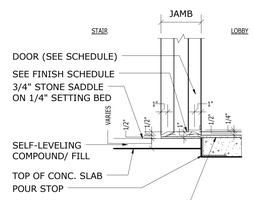
21 MECHANICAL ROOMS & STAFF ROOMS, U.O.N. BACK OF HOUSE AREAS



22 REDUCING STRIP

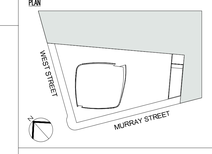


23 CORRIDOR & GROUND FLOOR RESTROOM



24 STAIR TO LOBBY

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.0108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

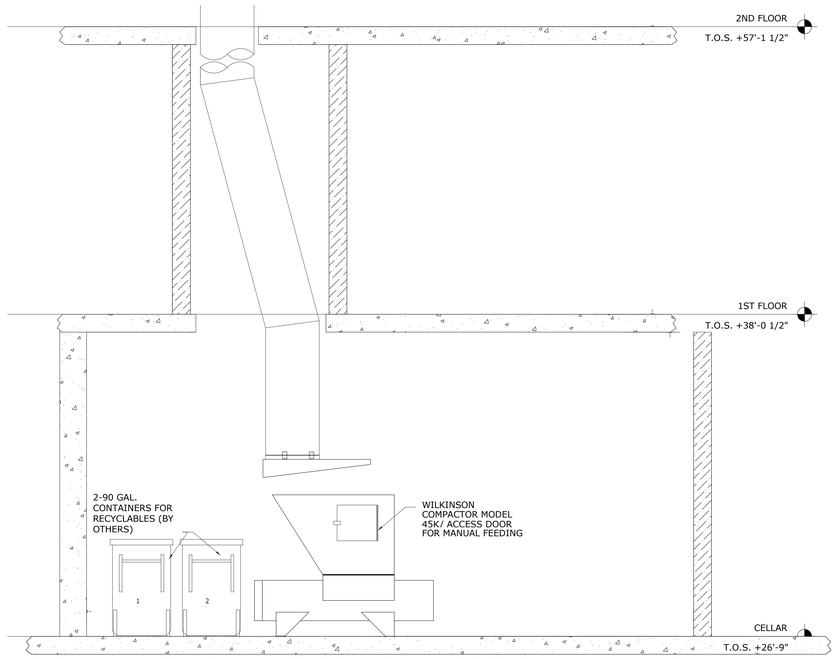
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
DOOR DETAILS

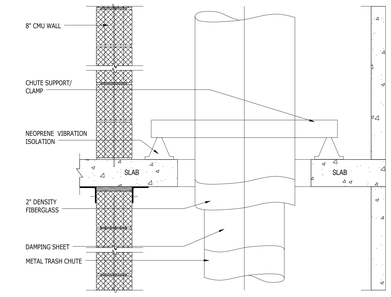
SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOE STEPHEN HILL
No. 028004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1 1/2" = 1'-0"
DWG NO. A-010.00

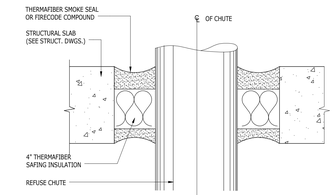
DEPT OF BLDGS 121323110 Job Number
B/BP/2015050 Scan Code



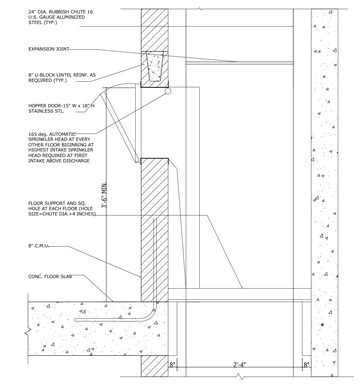
2 DETAIL-TRASH COMPACTOR ROOM
1/2" = 1'-0"



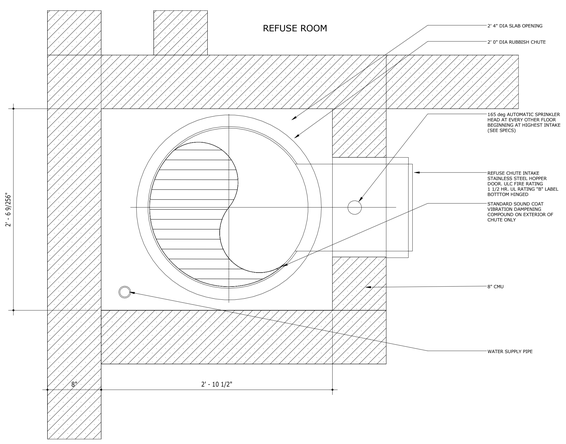
4 DETAIL-TRASH CHUTE NOISE ISOLATION
1" = 1'-0"



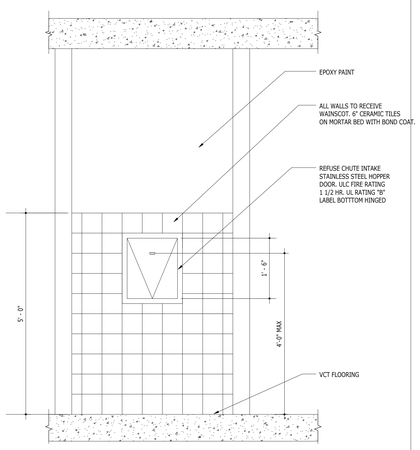
5 DETAIL-TRASH CHUTE FIRE PROTECTION
1" = 1'-0"



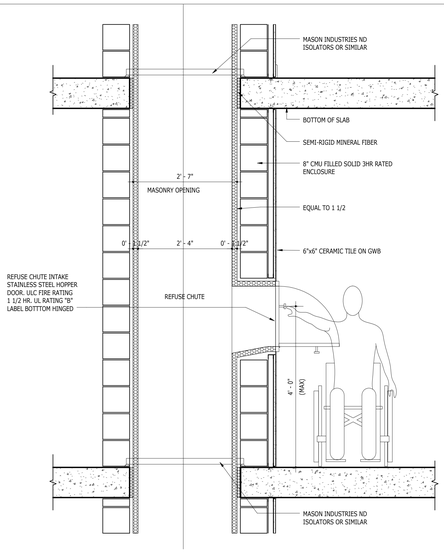
6 DETAIL-TRASH CHUTE DOOR SECTION
3/4" = 1'-0"



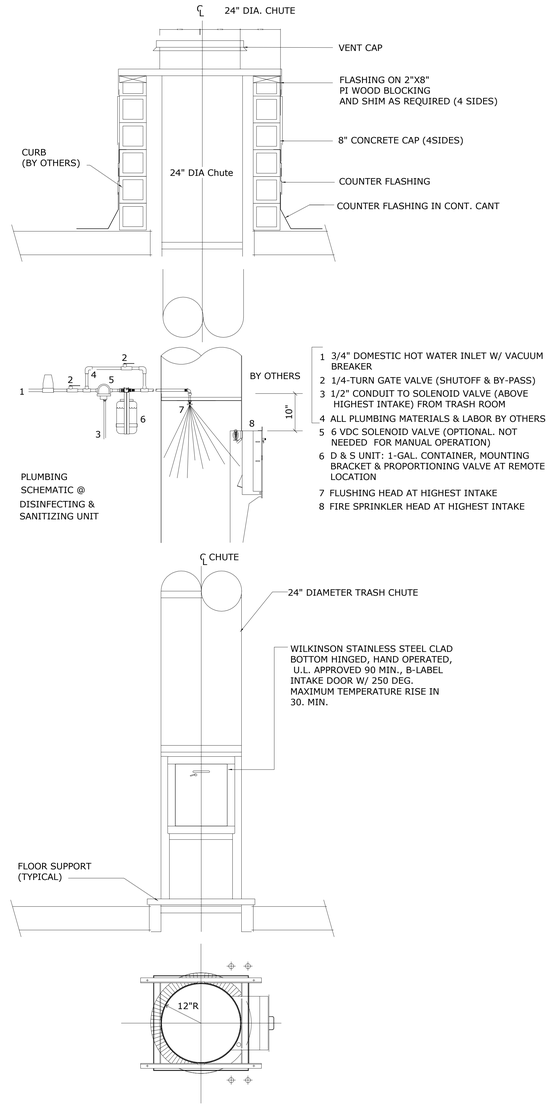
1 TRASH CHUTE PLAN
1 1/2" = 1'-0"



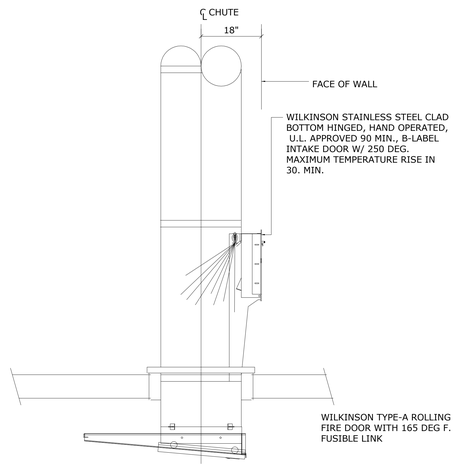
3 DETAIL-ELEVATION AT REFUSE CLOSET
3/4" = 1'-0"



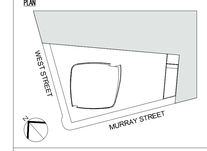
7 DETAIL - SECTION @ REFUSE CHUTE
3/4" = 1'-0"



8 DETAIL-TRASH CHUTE SECTION
3/4" = 1'-0"



KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

M/E/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

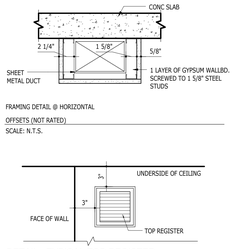
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 3 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
MISC. DETAILS

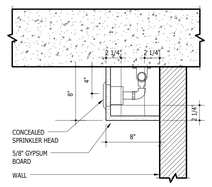
SEAL & SIGNATURE:
REGISTERED ARCHITECT
DAVID STEPHEN HILL
OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-012.00
DWG NO.

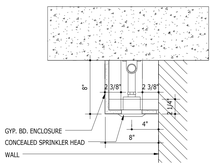
DEPT OF BLDGS 122132110 Job Number
ES1971179US Scan Code



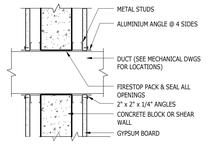
1 DETAIL - TYPICAL TOP REGISTER LOCATION, U.O.N.
1 1/2" = 1'-0"



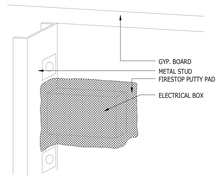
2 GHW DETAIL - FURRING @ SOFFIT MOUNTED SPRINKLER
1 1/2" = 1'-0"



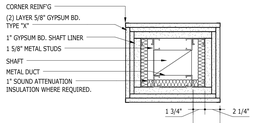
3 DETAIL - FURRING @ SPRINKLER
1 1/2" = 1'-0"



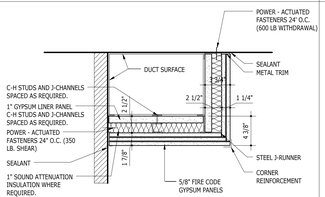
4 DETAIL - HORIZONTAL DUCT PENETRATION
1 1/2" = 1'-0"



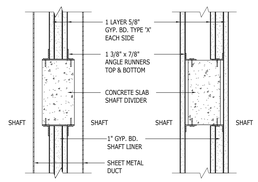
5 DETAIL - FIRE STOP PUTTY PAD ASTM E 84, MEA-102-99M
1 1/2" = 1'-0"



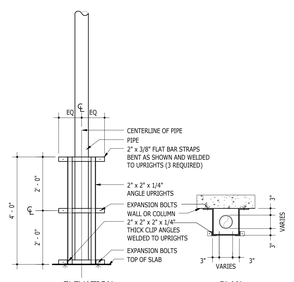
6 DETAIL - 2HR FIRE RATING FREESTANDING DUCT FIREPROOFING @ HORIZONTAL OFFSETS BSA# 893.47 SM
1 1/2" = 1'-0"



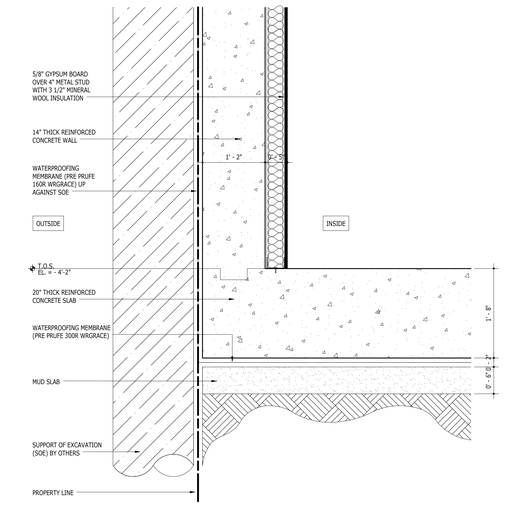
7 DETAIL - DUCT FIREPROOFING @ HORIZONTAL OFFSETS
1 1/2" = 1'-0"



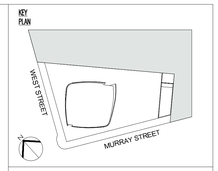
8 DETAIL - SHAFT DETAIL
1 1/2" = 1'-0"



9 DETAIL - PIPE GUARDS AT WALLS & COLUMNS
1/2" = 1'-0"

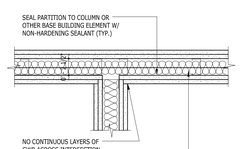


10 TYPICAL WALL ASSEMBLY DETAIL BELOW GRADE (R-VALUE)
1" = 1'-0"

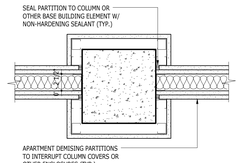


3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

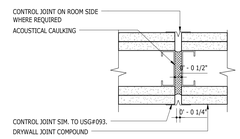
Number: Date: Revision:



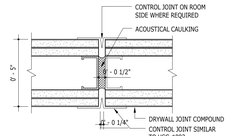
11 DETAIL - TYP. INTERSECTION DETAIL @ APT/CORR DEMISING PARTITION
1 1/2" = 1'-0"



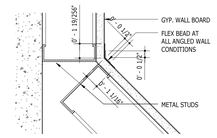
12 DETAIL - APT. DEMISING PARTITION @ INTERSECTION WITH COLUMN
1 1/2" = 1'-0"



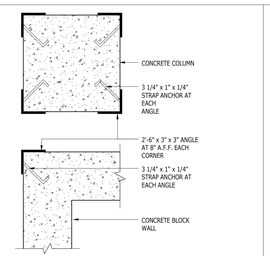
13 DETAIL - INTERIOR CONTROL JOINT
3" = 1'-0"



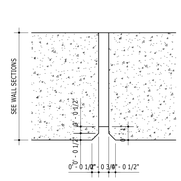
14 DETAIL - GYP. BD. CONTROL JOINT
3" = 1'-0"



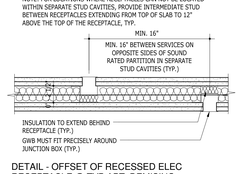
15 DETAIL - GYP. BD. ANGLE
3" = 1'-0"



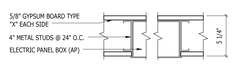
16 DETAIL - CORNER GUARD @ COLUMNS OR CMU WALL
1 1/2" = 1'-0"



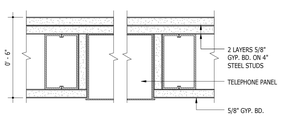
17 DETAIL - CONCRETE PARAPET JOINT
3" = 1'-0"



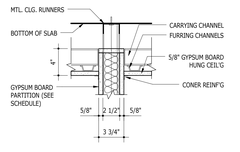
18 DETAIL - OFFSET OF RECESSED ELEC RECEPTACLE @ TYP APT. DEMISING PARTITIONS
1 1/2" = 1'-0"



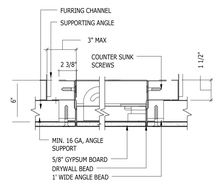
19 DETAIL - RECESSED ELEC PANEL BOX
1 1/2" = 1'-0"



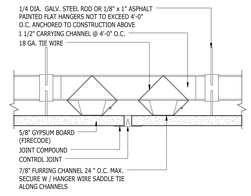
20 DETAIL - TELEPHONE PANEL
3" = 1'-0"



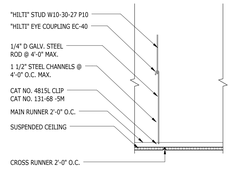
21 DETAIL - HUNG CEILING @ 3 3/4" PARTITION WITHIN APT.
1 1/2" = 1'-0"



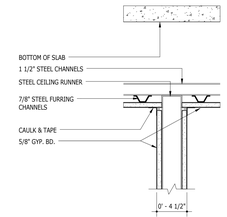
22 DETAIL - SECTION AT CEILING ACCESS DOOR
1 1/2" = 1'-0"



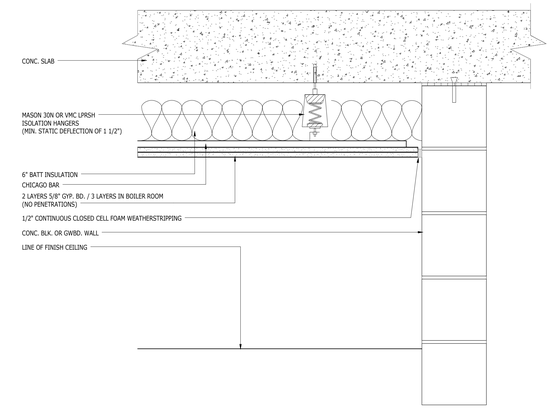
23 DETAIL - TYP. BD. HUNG CEILING
1 1/2" = 1'-0"



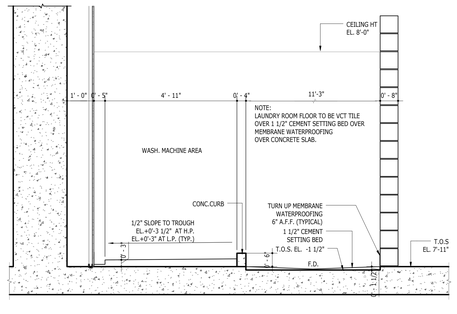
24 DETAIL - TYP. ACC. TILE HUNG CEILING
1 1/2" = 1'-0"



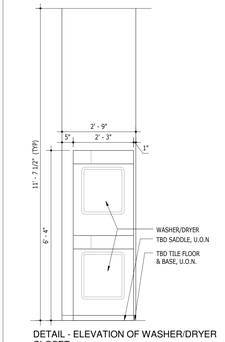
25 DETAIL - HUNG NON-INSULATED CEILING
1 1/2" = 1'-0"



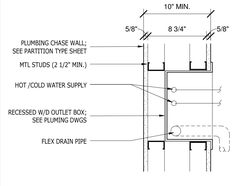
26 DETAIL - SOUND BARRIER - CEILING
1 1/2" = 1'-0"



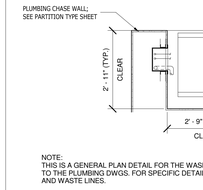
27 DETAIL - SECTION AT LAUNDRY
1/2" = 1'-0"



28 DETAIL - ELEVATION OF WASHER/DRYER CLOSET
1/2" = 1'-0"

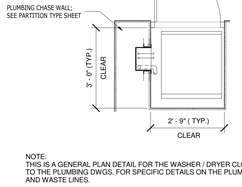


29 DETAIL - RECESSED WASHING MACHINE OUTLET BOX
1 1/2" = 1'-0"



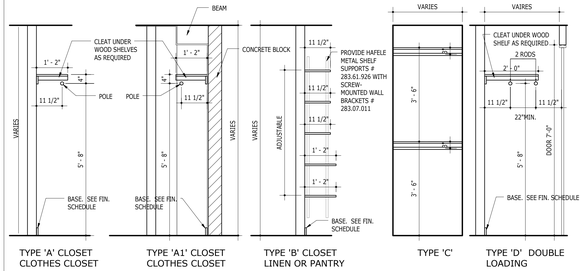
NOTE:
THIS IS A GENERAL PLAN DETAIL FOR THE WASHER / DRYER CLOSET; REFER TO THE PLUMBING DWGS. FOR SPECIFIC DETAILS ON THE PLUMBING SUPPLY AND WASTE LINES.

30 DETAIL - TYP. UTILITY CLOSET FOR STACKABLE WASHER/DRYER UNITS
1/2" = 1'-0"



NOTE:
THIS IS A GENERAL PLAN DETAIL FOR THE WASHER / DRYER CLOSET; REFER TO THE PLUMBING DWGS. FOR SPECIFIC DETAILS ON THE PLUMBING SUPPLY AND WASTE LINES.

31 DETAIL - UTILITY CLOSET FOR STACKABLE WASHER/DRYER UNITS WITH DOOR
1/2" = 1'-0"



TYPE 'A' CLOSET CLOTHES CLOSET
TYPE 'A1' CLOSET CLOTHES CLOSET
TYPE 'B' CLOSET LINEN OR PANTRY
TYPE 'C'
TYPE 'D' DOUBLE LOADING

32 DETAIL - TYPICAL CLOSET SECTIONS/ELEVATIONS
1/2" = 1'-0"

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
MISC. DETAILS

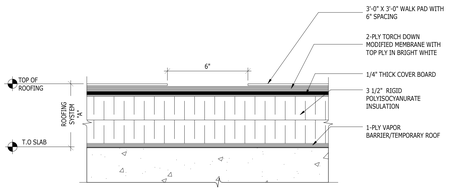
SEAL & SIGNATURE:
REGISTERED ARCHITECT JOSEPH H. HILL 022007 STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-013.00
DWG NO.

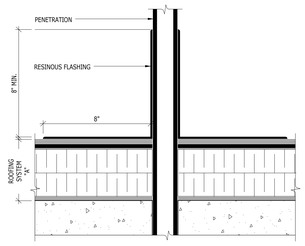
DEPT OF BLDGS 122132110 Job Number
B5705662954 Scan Code

TRADITIONAL ROOF SYSTEM

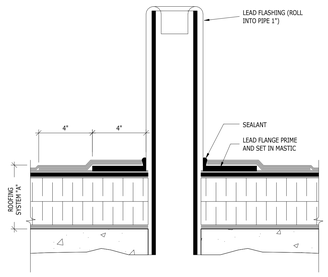
2ND FLOOR
3RD FLOOR MECH RECESS
60TH FLOOR EAST AND WEST ROOFS
61ST FLOOR PMEP ROOF
62ND SEMR ROOF
EMR BULKHEAD ROOF
PAVILION ROOF AND STAIR BULKHEAD ROOF



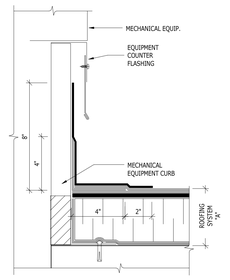
1 GHW DETAIL - ROOF - MECH ROOF SYSTEM
3" = 1'-0"



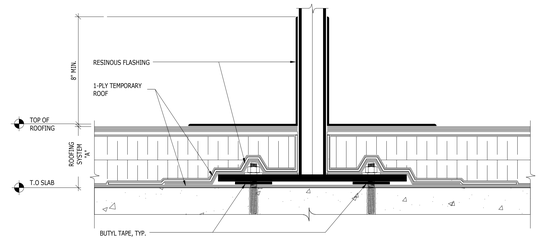
2 GHW DETAIL - ROOF - TYPICAL PENETRATION DETAIL
3" = 1'-0"



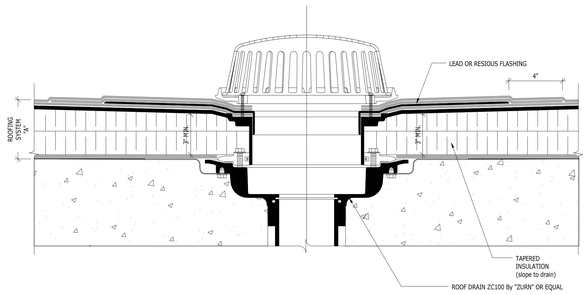
3 GHW DETAIL - ROOF - TYPICAL FLASHING DETAIL AT VENT
3" = 1'-0"



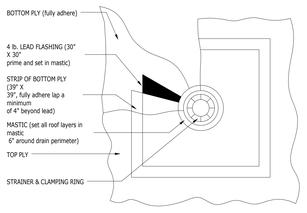
4 GHW DETAIL - ROOF - TYPICAL FLASHING DETAIL AT PREFABRICATED EQUIPMENT
3" = 1'-0"

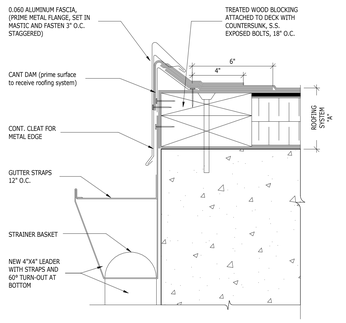


5 GHW DETAIL - ROOF - TYPICAL RAILING/POST DETAIL
3" = 1'-0"

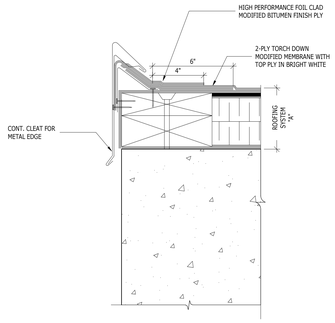


6 GHW DETAIL - ROOF - TYPICAL DRAIN DETAIL
3" = 1'-0"

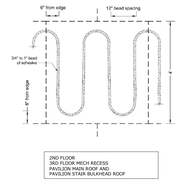




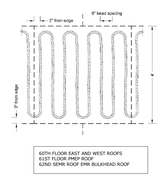
7 GHW DETAIL - ROOF - DETAIL AT GUTTER
3" = 1'-0"



8 GHW DETAIL - ROOF - DETAIL AT FASCIA
3" = 1'-0"



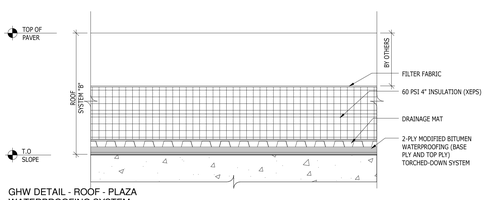
9 GHW DETAIL - ROOF - A - ADHESIVE BEAD SPACING
3" = 1'-0"



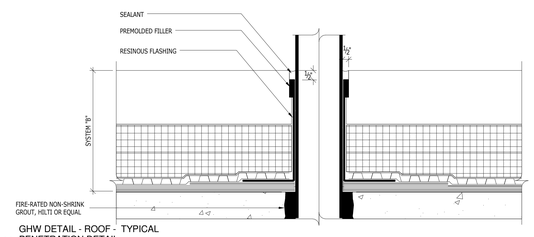
10 GHW DETAIL - ROOF - B - ADHESIVE BEAD SPACING
3" = 1'-0"

IRMA SYSTEM 2-PLY TORCHED DOWN MODIFIED BITUMEN

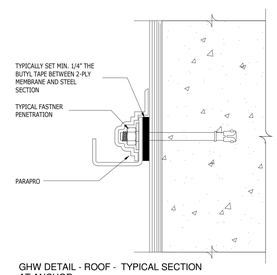
PLAZA



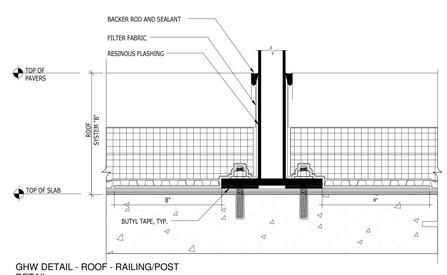
11 GHW DETAIL - ROOF - PLAZA WATERPROOFING SYSTEM
3" = 1'-0"



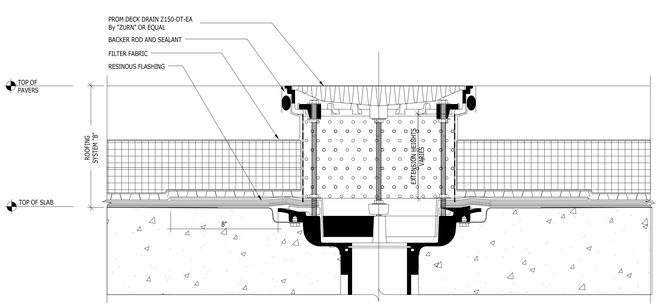
12 GHW DETAIL - ROOF - TYPICAL PENETRATION DETAIL
3" = 1'-0"



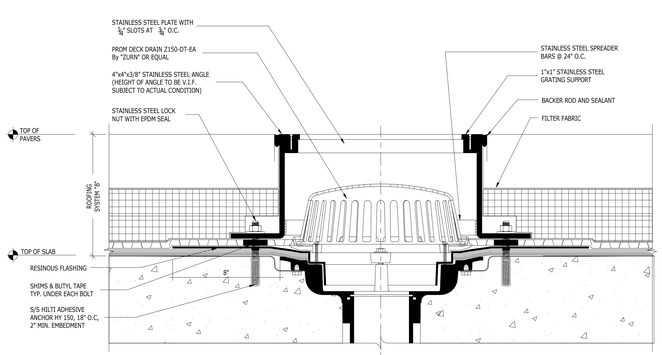
13 GHW DETAIL - ROOF - TYPICAL SECTION AT ANCHOR
6" = 1'-0"



14 GHW DETAIL - ROOF - RAILING/POST DETAIL
3" = 1'-0"

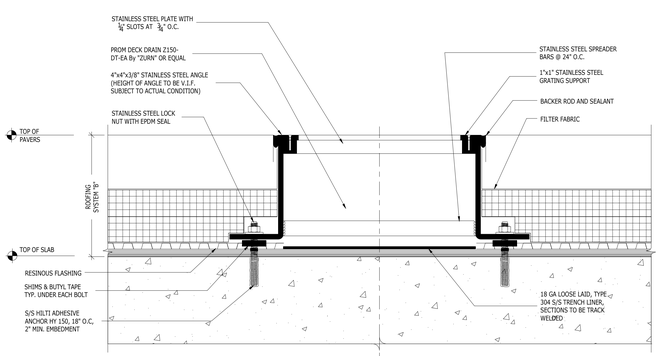


15 GHW DETAIL - ROOF - TYPICAL PROM DECK DRAIN DETAIL
3" = 1'-0"



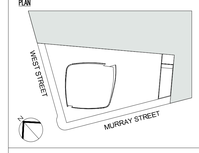
NOTE: ALL S/S TO BE TYPE 316 IF EXPOSED AND TYPE 304 IF NOT EXPOSED. FINISH BY ARCHITECT

16 GHW DETAIL - ROOF - TRENCH DRAIN DETAIL
3" = 1'-0"



17 GHW DETAIL - ROOF - TRENCH DRAIN DETAIL
3" = 1'-0"

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shaukat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
ROOF DETAILS

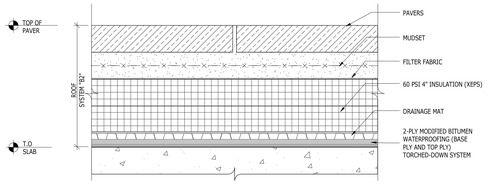
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN J. HILL
NEW YORK
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-014.00

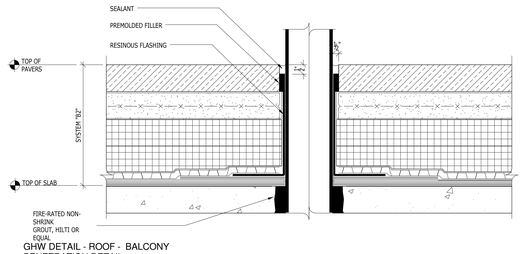
DEPT OF BLDGS 122132110 Job Number
B1609001091 Scan Code

IRMA SYSTEM 2-PLY TORCHED DOWN MODIFIED BITUMEN

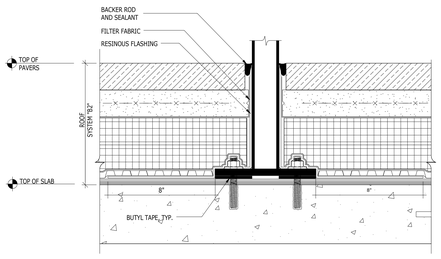
58TH FLOOR TERRACES (NE & SW)



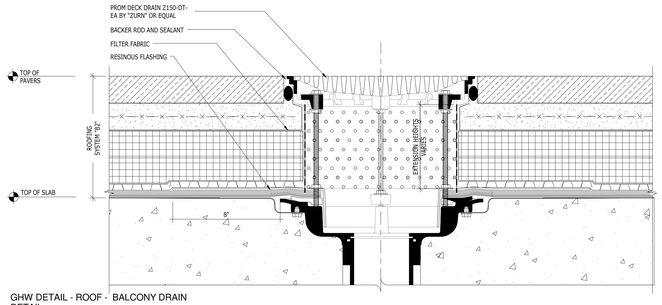
GHW DETAIL - ROOF - BALCONY WATERPROOFING SYSTEM
1 3" = 1'-0"



GHW DETAIL - ROOF - BALCONY PENETRATION DETAIL
2 3" = 1'-0"



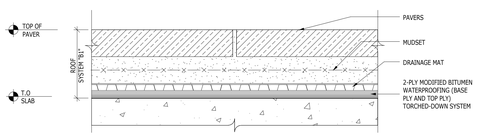
GHW DETAIL - ROOF - BALCONY RAILING/POST DETAIL
3 3" = 1'-0"



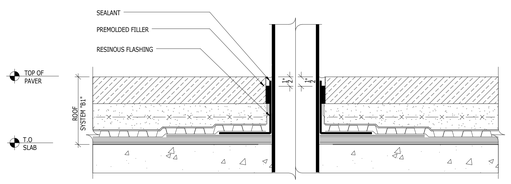
GHW DETAIL - ROOF - BALCONY DRAIN DETAIL
4 3" = 1'-0"

IRMA SYSTEM 2-PLY TORCHED DOWN MODIFIED BITUMEN

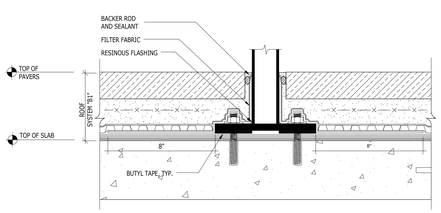
59TH FLOOR TERRACES (NE & SW)



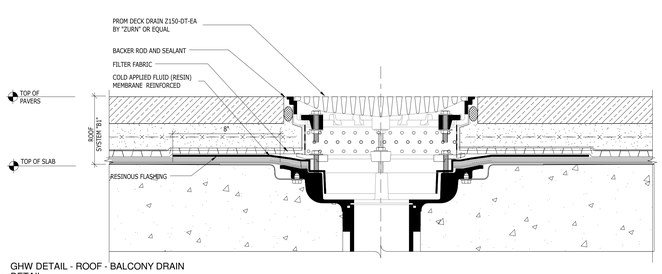
GHW DETAIL - ROOF - BALCONY WATERPROOFING SYSTEM
5 3" = 1'-0"



GHW DETAIL - ROOF - BALCONY PENTRATION DETAIL
6 3" = 1'-0"



GHW DETAIL - ROOF - BALCONY RAILING/POST DETAIL
7 3" = 1'-0"



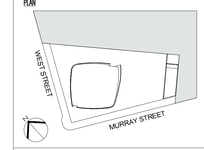
GHW DETAIL - ROOF - BALCONY DRAIN DETAIL
8 3" = 1'-0"

101 MURRAY STREET - ROOFING/WATERPROOFING SYSTEMS SUMMARY

LEVEL	ELEVATION	SYSTEM DESCRIPTION	SPEC SECTION	PREFERRED ROOF DRAIN (ZURN OR EQUAL)	COMMENTS
PLAZA		IRMA SYSTEM: 2-ply torched-down modified bitumen, drainage board, 60 PSI xeps, filter fabric	071000	tbd	waterproofing scope stops at filter fabric; all other overburden by others
2ND FLOOR		Traditional System: vapor barrier, polyisocyanurate insulation, cover board, 2-ply torched-down modified bitumen membrane with top ply in bright white	075510	ZC100	walk pads will be specified for walkways, not concrete pads; architect to show scope on dwgs.
3RD FLOOR MECH RECESS		Traditional System: vapor barrier, polyisocyanurate insulation, cover board, 2-ply torched-down modified bitumen membrane with top ply in bright white	075510	ZC100	walk pads will be specified for walkways, not concrete pads; architect to show scope on dwgs.
58TH FLOOR TERRACES (NE&SW)	720' +/-	IRMA SYSTEM: 2-ply torched-down modified bitumen, drainage board, 60 PSI xeps, filter fabric	075600	Z150-DT-EA	mudset paver system specifed by others
59TH FLOOR BALCONIES (NE&SW)	735' +/-	IRMA SYSTEM: 2-ply torched-down modified bitumen with drainage board	075600	Z150-DT-EA	GMS recommends a mudset paver system similar to the 58th floor terrace in lieu of pavers on pedestals; paver systems will not be specified by GMS
60TH FLOOR EAST & WEST ROOFS	748'-4-1/2"	Traditional System: vapor barrier, polyisocyanurate insulation, cover board, 2-ply torched-down modified bitumen membrane with top ply in bright white	075510	ZC100	walk pads will be specified for walkways, not concrete pads; architect to show scope on dwgs.
61ST FLOOR PMEP ROOF	761'-10-1/2"	Traditional System: vapor barrier, polyisocyanurate insulation, cover board, 2-ply torched-down modified bitumen membrane with top ply in bright white	075510	ZC100	walk pads will be specified for walkways, not concrete pads; architect to show scope on dwgs. Architect to also show scope of window washing rig resting pavered areas on roof plan.
62ND SEMR ROOF	764'-10-1/2"	Traditional System: vapor barrier, polyisocyanurate insulation, cover board, 2-ply torched-down modified bitumen membrane with top ply in bright white	075510	ZC100	walk pads will be specified for walkways, not concrete pads; architect to show scope on dwgs.
EMR BULKHEAD ROOF (784')	781'-10-1/2"	Traditional System: vapor barrier, polyisocyanurate insulation, cover board, 2-ply torched-down modified bitumen membrane with top ply in bright white	075510	ZC100	walk pads will be specified for walkways, not concrete pads; architect to show scope on dwgs. Fascia to be an engineered system to prevent wind uplift, rated to FM 1-270.
PAVILLION MAIN ROOF AND STAIR BULKHEAD ROOF	free-standing, low-rise structure on Plaza	Traditional System: vapor barrier, polyisocyanurate insulation, cover board, 2-ply torched-down modified bitumen membrane with top ply in bright white	075510	ZC100	walk pads will be specified for walkways, not concrete pads; architect to show scope on dwgs.

General Notes:
1. All structural slabs are assumed to receive a pitching slab minimum 1/8" per foot to drain; 1/4" per foot preferred.
2. All flashings to be white, PMMA resin, self-terminating material.
3. All sheet metal work related to roofing shall be stainless steel, type 304; 2d mill finish.

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
ROOF DETAILS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH STEPHEN HILL
CITY OF NEW YORK
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-015.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E39156529588 Scan Code

U-VALUE CALCULATIONS FOR WALLS AND ROOF ASSEMBLIES

BUILDING ENVELOPE ASSEMBLY TYPES	COMPONENT THICKNESS	DETAILED ASSEMBLY	R value		Rt	U value U=1/Rt	SHGC FOR GLASS	AREAS (SF)
TOWER ROOF, TOWER L1 ROOF, PAVILLION ROOF, SITE ROOF								
ROOFS		OUTSIDE AIR FILM		0.17	21.58	0.046		32,234
	3.5"	CONTINUOUS POLYISOCYARANTE INSULATION	5.8	20.3				
	8"	CONCRETE SLAB	0.063	0.5				
		INSIDE AIR FILM		0.61				
				ASSEMBLY U-VALUE		0.05		
TOWER WALLS								
WALL TYPE 1 (VISION)		BASED ON CURTAIN WALL MANUFACTURER'S ASSEMBLY ALUMINUM FRAME THERMALLY BROKEN WITH INSULATING GLASS WITH LOW-E COATING				0.360	0.33	122,356
				ASSEMBLY U-VALUE		0.36		
TOWER WALLS								
WALL TYPE 1 (SPANDREL & SHADOWBOX)		BASED ON CURTAIN WALL MANUFACTURER'S ASSEMBLY ALUMINUM FRAME THERMALLY BROKEN WITH INSULATING GLASS WITH LOW-E COATING , 5" MINERAL FIBER INSULATION				0.150		86,142
				ASSEMBLY U-VALUE		0.15		
TOWER WALLS								
WALL TYPE 2 (VISION)		BASED ON CURTAIN WALL MANUFACTURER'S ASSEMBLY ALUMINUM FRAME THERMALLY BROKEN WITH INSULATING GLASS WITH LOW-E COATING				0.360	0.37	12,512
				ASSEMBLY U-VALUE		0.36		
TOWER WALLS								
WALL TYPE 2 (SPANDREL & SHADOWBOX)		BASED ON CURTAIN WALL MANUFACTURER'S ASSEMBLY ALUMINUM FRAME THERMALLY BROKEN WITH INSULATING GLASS WITH LOW-E COATING , 5" MINERAL FIBER INSULATION				0.150		4,469
				ASSEMBLY U-VALUE		0.15		
TOWER WALLS @ ROOF MEP ENCLOSURE								
WALL TYPE 3 (SPANDREL & SHADOWBOX)		BASED ON CURTAIN WALL MANUFACTURER'S ASSEMBLY ALUMINUM FRAME THERMALLY BROKEN WITH INSULATING GLASS WITH LOW-E COATING , 5" MINERAL FIBER INSULATION				0.150		8,895
				ASSEMBLY U-VALUE		0.15		
STOREFRONT VISION								
WALL TYPE 4 (VISION)		BASED ON ALUMINUM FRAME THERMALLY BROKEN WITHOUT LOW-E COATING				0.550	0.70	8,627
				ASSEMBLY U-VALUE		0.55		
STOREFRONT								
WALL TYPE 4 (SPANDREL & SHADOWBOX)	PANEL	OUTSIDE AIR FILM		0.17	13.69	0.073		1,120
		DOUBLE INSULATING GLASS WITHOUT LOW-E		1.75				
	1"	AIR CAVITY	1.01	1.01				
	4"	CONTINUOUS SEMI-RIGID MINERAL FIBER INSULATION.ASSUMED 40% REDUCTION DUE TO FRAME	4.2	10.08				
		INSIDE AIR FILM		0.68				
				ASSEMBLY U-VALUE		0.08		
MEP ENCLOSURE								
WALL TYPE 5 & WALL TYPE 9		OUTSIDE AIR FILM		0.17	14.49	0.069		5,123
	8"	CMU		1.04				
	3"	CONTINUOUS SEMI-RIGID MINERAL FIBER INSULATION	4.2	12.6				
		INSIDE AIR FILM		0.68				
				ASSEMBLY U-VALUE		0.07		
PAVILION OPAQUE WALLS								
WALL TYPE 7		OUTSIDE AIR FILM		0.17	14.35	0.070		3,627
	6"	PRECAST CONCRETE	0.15	0.9				
	3"	CONTINUOUS SEMI-RIGID MINERAL FIBER INSULATION	4.2	12.6				
		INSIDE AIR FILM		0.68				
				ASSEMBLY U-VALUE		0.07		
MEP LOUVERS - BLANK OFF PORTION								
WALL TYPE 8		OUTSIDE AIR FILM		0.17	10.93	0.091		224
		BLANK-OFF METAL PANEL	NA	0				
	4"	CONTINUOUS SEMI-RIGID MINERAL FIBER INSULATION.ASSUMED 40% REDUCTION DUE TO FRAME	4.2	10.08				
		INSIDE AIR FILM		0.68				
				ASSEMBLY U-VALUE		0.10		
CELLAR - FOUNDATION WALLS (NON-INSULATED)								
Below Grade Wall	14"	REINFORCED CONCRETE WALLS	0.063	0.882	0.88	1.136		36,350
		(NOTE: C-VALUE IS EQUAL TO U-VALUE)						
				ASSEMBLY U-VALUE		1.14		
CELLAR - FOUNDATION WALLS (INSULATED @ RESIDENTIAL AMENITY SPACES)								
Below Grade Wall	14"	REINFORCED CONCRETE WALLS	0.063	0.882	7.01	0.143		4,560
	3/8"	AIR CAVITY						
	4 -5/8"	4" METAL STUD WITH 3 1/2" MINERAL WOOL INSULATION	R-11	5.0				
	5/8"	GWB		0.45				
		INSIDE AIR FILM		0.68				
		(NOTE: C-VALUE IS EQUAL TO U-VALUE)						
				ASSEMBLY U-VALUE		0.14		

EXTERIOR MATERIALS LIST

MATERIAL TAG	DESCRIPTION	MANUFACTURER	PRODUCT CODE/FINISH	LOCATION
GL1	3/8" Low-iron HS, low-e coating on #2 OL + 3/4" argon-filled space + 5/16" Clear HS IL	PPG	SOLARBAN 67	TYP VISION
GL1 (T)	3/8" Low-iron FT, low-e coating on #2 OL + 3/4" argon-filled space + 5/16" Clear FT IL	PPG	SOLARBAN 67	BELOW 18"
GL1 (F)	3/8" Low-iron FT, low-e coating on #2 OL + 3/4" argon-filled space + 5/16" Clear FT IL + WITH SILICON SKIM COAT AT GLASS PERIMETER TO MATCH WIDTH OF MULLION BITE	PPG	SOLARBAN 67	OPERABLE
GL2	3/8" Low-iron FT, low-e coating on #2 OL + 3/4" argon-filled space + 5/16" Clear FT IL	PPG	SOLARBAN 72	REVEAL VISION
GL3	CURVED GLASS - 3/8" Low-iron HS, low-e coating on #2 OL + 3/4" argon-filled space + 5/16" Clear HS IL	PPG	SOLARBAN 67	CURVE VISION
GL4	3/8" Low-iron HS, low-e coating on #2 OL + 13/16" argon-filled space + 1/4" Clear HS IL	PPG	SOLARBAN 67	TYP SPANDREL
GL5	3/8" Low-iron HS, low-e coating on #2 OL + 13/16" argon-filled space + 1/4" Clear HS IL	PPG	SOLARBAN 72	REVEAL SPANDREL
GL6	CURVED GLASS - 3/8" Low-iron HS, low-e coating on #2 OL + 13/16" argon-filled space + 1/4" Clear HS IL	PPG	SOLARBAN 67	CURVE SPANDREL
GL7	3/8" LI+ .060 SentryGlas Interlayer + 3/8" LI WITH CUSTOM FRIT @ L60&L61	-	-	BALCONY
GL8	1/4" Low-iron FT, low-e coating on #2 OL + 1/2" argon-filled space + 1/4" Clear FT IL	PPG	SOLARBAN 72	DOORS
GL9	3/8" Low-iron FT OL + 11/16" argon-filled space + 5/16" Low-Iron FT IL, CUSTOM FRIT FOR FLAT AND CURVED PANELS	-	-	STOREFRONT VISION + SPANDREL
GL10	FT MONOLITHIC LOW-IRON - THICKNESS BY GMS	-	-	ENTRANCE DOORS

NOTE:
1. ALL GLASS TO BE HEAT TREATED AS REQUIRED FOR STRENGTH OR BY CODE
2. ALL GLASS THICKNESS ARE MINIMUM. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALCULATING THICKNESS REQUIRED FOR STRENGTH OR CODE COMPLIANCE
3. ALL FULLY TEMPERED (FT) GLASS TO BE 100% HEAT SOAKED

A1	METALLIC, PAINTED 3 COAT	PPG	SILVER CHALICE - UC 82424XL - DURANAR XL	MULLION EXT
A2	PAINTED, 1 COAT	PPG	BRIGHT WHITE -PCTT 88151	MULLION INT
A3	PAINTED, 1 COAT	PPG	ECLIPSE GRAY - PCTT 78157	SHADOWBOX
A4	METALLIC, PAINTED 3 COAT	PPG	SILVER GREY - UC 50958XL	ARCH. GRILL @ MEP, PAVILLION MEP PANEL
A5	ALUMINUM BIRD SCREEN	PPG	PTD. BLACK	
A6	METALLIC, PAINTED 3 COAT	PPG	SATIN NICKEL UC106684F DURANAR SUNSTORM	CROWN BACK + LOUVER DOORS AT CROWN

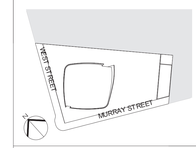
M1	Ga. 14 (2mm) - STAINLES STEEL - GRADE 316	FORMS AND SURFACES	LINEN FINISH	STOREFRONT INT PAVILION
M2	Ga. 14 (2mm) - STAINLES STEEL - GRADE 316 - CUSTOM PERFORATION	FORMS AND SURFACES	"FUSED GRAPHITE" ON LINEN FINISH	CANOPY SOFFIT
M3	STAINLES STEEL - GRADE 316	TO MATCH FORMS AND SURFACES	"FUSED GRAPHITE"	STOREFRONT NIBS
M4	Ga. 14 (2mm) - STAINLES STEEL - GRADE 316	FORMS AND SURFACES	"FUSED GRAPHITE" ON LINEN FINISH	TOWER STOREFRONT
M5	STAINLES STEEL - GRADE 316	TO MATCH FORMS AND SURFACES	SATIN	PAVILLION NIBS
M6	STEEL THICKNESS PER DOOR MANUFACTURER SPECIFICATION	TO MATCH FORMS AND SURFACES	"FUSED GRAPHITE" ON SATIN FINISH	DOORS
M7	Ga. 14 (2mm) - STAINLES STEEL - GRADE 316	TO MATCH FORMS AND SURFACES	SATIN	PAVILLION PORTAL
M8	STEEL THICKNESS PER DOOR MANUFACTURER SPECIFICATION	TO MATCH FORMS AND SURFACES	SATIN	DOORS
M9	METALLIC, PAINTED 3 COAT	PPG	SATIN NICKEL UC106684F DURANAR SUNSTORM	DOORS + CROWN STRUCTURE

ST1	MESABI BLACK GRANITE	COLD SPRING GRANITE	DIAMOND FINISH	STOREFRONT BASE
ST3	MADRAS GREY	ABC STONE	SANDBLASTED	PAVILLION STONE BASE
ST4	CORTECCJA SLATE/QUARTZITE	STONE SOURCE	CLEFT FINISH	LANDSCAPE WALL

EC1	MASONRY INFILL WALL W/ALLGUARD SILICONE ELASTOMERIC COATING	DOW CORNING	CUSTOM COLOR	TYPICAL ROOF MEP ENCLOSURE WALL

APC 1	PRECAST ARCHITECTURAL PANEL	-	LIGHT SANDBLASTED - COLOUR TO MATCH ADJACENT PROPERTY (101 WARREN)	PAVILION FAÇADE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BIN/JOB #:
NB #: 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
EXTERIOR ASSEMBLY & FINISH SCHEDULE

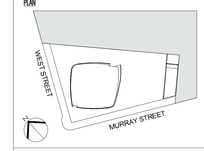
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. HILL
No. 028004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 12" = 1'-0"
DWG NO. A-016.00

MATERIAL FINISH SCHEDULE I

TYPE	TAG	LOCATION	DESCRIPTION	FINISH	SIZE	SUPPLIER / MANUFACTURER	CONTACT	COMMENTS
GLASS	GL-01	GENERAL	TEMPERED, CLEAR LOW-E GLASS		1/2" / 3/4" VARIES	BENDHEIM		
	GL-02	GENERAL	TEMPERED, ACID-ETCHED LOW-E GLASS		3/8" THK	BENDHEIM		
	GL-03	NOT USED						
	GL-04	GROUND FLOOR ELEVATOR VESTIBULES, SOUTH WALL	SAFETY LAMINATE GLASS: HRA-586		3/8" THK	BENDHEIM		
	GL-05	CELLAR	LOW-E TEMPERED GLASS	FRIT 50%-75%, VARIES	1/2" THK	BENDHEIM		
	GL-06	CELLAR	2 WAY MIRROR, TINTED, LAMINATED			BENDHEIM		
	GL-07	CELLAR	MIRROR, UNFRAMED WITH POLISHED EDGES			BENDHEIM		
	GL-08	THROUGHOUT	FULL HEIGHT MIRROR					
METALS	MT-01	THROUGHOUT	BLACKNED STEEL/ SOFT BLACK STEEL	SATIN		SORAYA LTD		
	MT-02	GROUND FLOOR	SPECIAL FINISH COLD ROLLED STEEL	CUSTOM PATINA / OXIDATION		AMUNEAL		CUSTOM WEATHERED-LOOKING STEEL THROUGHOUT GROUND FLOOR, TO BE DEVELOPED IN COLLABORATION WITH ROCKWELL GROUP
	MT-03	THROUGHOUT	WHITE BRONZE WITH CUSTOM PATINA	SATIN		AMUNEAL		ACCENT FINISH
	MT-04	THROUGHOUT	BURNISHED BRONZE FINISH					
PAINT	PT-01	CELLAR GENERAL	PAINTED GWB	COLOR TBD		JAC STUDIO FOR DESIGN FARM		TO MATCH RG SAMPLE
	PT-02	CELLAR, LOCKER ROOM AND SPA CEILING	PAINTED GWB	COLOR TBD				
	PT-03	CELLAR, FITNESS CEILING	PAINTED GWB	COLOR TBD				
	PT-04	CELLAR, FITNESS CEILING, ACCENT	PAINTED GWB					
	PT-05	CELLAR, SALON CEILING	PAINTED GWB					
	PT-06	CELLAR, CHILDREN'S PLAYROOM	PAINTED GWB					
	PT-07	CELLAR, TEEN REC RM AND MEDIA ROOM	PAINTED GWB					
	PT-08	GROUND FLOOR, RESTROOM CEILING	PAINTED GWB					
	PT-09	CELLAR, CHILDREN'S ROOM KITCHENETTE WALL	PAINTED GWB					
	PT-10	GROUND FLOOR, GRAND DINING KITCHEN CEILNG	PAINTED GWB					
STONE	ST-01	CELLAR FLOORING, ELEVATOR LOBBY AND LOCKER ROOM	STONE TILE, STRIATO ELEGANTE	LEATHER	12"X24"	EUROPEAN GRANITE& MARBLE GROUP		
	ST-02	CELLAR FLOORING, SPA AND POOL	ABSOLUTE BLACK GRANITE, TILE	BRUSHED	12"X24"	CIOT TECNICA		DARK (ALMOST BLACK) STONE
	ST-03	CELLAR, LOCKER ROOMS FLOOR	MARBLE TILE	HONED				
	ST-04	GROUND FLOOR, ENTRY VESTIBULE FLOOR						
	ST-05	GROUND FLOOR FLOOR	MARE NAVAJHO	FILLED AND HONED	24"X48"	CIOT TECNICA		TYPICAL GROUND FLOOR STONE, THROUGHOUT
	ST-06	SALON AND GROUND FLOOR BATHROOMS FLOOR AND WALL						
	ST-07A	CELLAR, STEAM ROOM BENCH, WALL, HAMAM AND PLINTHS	MARBLE SLAB MATERIAL	HONED				
	ST-07B	CELLAR, STEAM ROOM WALL AND HAMAM WALL	MARBLE SLAB MATERIAL TO MATCH ST-07A BUT CHANGE FINISH	POLISHED				
	ST-08	CELLAR, LOCKER ROOM ACCENT WALLS	MARBLE TILE					
	ST-09	CELLAR, SPA AND POOL WALLS	MARBLE SLAB MATERIAL, MIRCY SANDS	HONED	SLAB, 3/4" THICK	CIOT TECNICA		
	ST-10	CELLAR, POOL ROUGH FINISHED STONE	BASALTINA	CHISELED	SLAB, 1 1/4" THICK	CIOT TECNICA		
	ST-11	GROUND FLOOR BATHROOM WALL	TBD	TBD	TBD	CIOT TECNICA		GRAND DINING KITCHEN COUNTER
	ST-12	GROUND FLOOR GRAND DINING KITCHEN						
TILE	TL-01	CELLAR HAMAM WALL AND CEILING	STONE TILE	TBD				
	TL-02	CELLAR, POOL FLOORING	MOSAIC TILE	CUSTOM BLENDS	1"X1"	SICIS		
	TL-03	CELLAR, HOT TUB FLOORING	MOSAIC TILE	CUSTOM BLENDS	1"X1"	SICIS		
	TL-04	CELLAR, FAMILY POOL FLOORING	MOSAIC TILE	CUSTOM BLENDS	1"X1"	SICIS		CUSTOM PIXEL COMPOSITION
	TL-05	CELLAR, FAMILY POOL ACCENT FLOOR AND WALL	MIX OF STONE AND GLASS TILE					
	TL-06	CELLAR, CHILDREN'S PLAYROOM BATHROOM FLOOR						
	TL-07	CELLAR, TEEN RC ROOM BATHROOM FLOOR						
	TL-08	CELLAR, LOCKER ROOM VANITY WALL	CERAMIC TILE	TEXTURED GLAZE	3"X6"	HEATH CERAMICS		
WOOD	WD-01	CELLAR WOOD FINISH THROUGHT	WOOD VENEER, MILLWORK					
	WD-02	CELLAR, SAUNA FLOORING, CEILING & BENCH	TEAK MOISTURE TREATED PLANKS					
	WD-03	CELLAR, POOL FEATURE WALL & CEILING	MOISTURE TREATED TEAK PLANKS	MILLED AND PLANED	FULL HEIGHT, 2" THICK x 3" WIDE	LV WOOD		
	WD-04	CELLAR, FITNESS CEILING						
	WD-05	GROUND FLOOR, CEILING AND WALL MILLWORK	WOOD VENNER	CATALYZED ACRYLIC POLYURETHANE	N/A	MATERIALS IN CONLINE		
	WD-06	CELLAR, LOCKER ROOM WALL	WOOD VENNER					
	WD-07	CELLAR, LOCKER ROOM WALL BASE	SOLID WOOD TO MATCH WD-06					
	WD-08	CELLAR, SPA WALL	MOISTURE TREATED TEAK PLANKS	MILLED AND PLANED	SIZE VARIES, REFER TO RG DRAWINGS	LV WOOD		
	WD-09	CELLAR FITNESS WALL MILLWORK	CYPRESS VENEER: K6196B	PRE-FINISHED SATIN	N/A	KD PANELS		
	WD-10	CELLAR, CHILDREN PLAY ROOM WALL	FIGURED WOOD PANELING					
	WD-11	CELLAR, CHILDREN PLAY ROOM WALL BASE	SOLID WOOD, FINISH TO MATCH WD-10					
	WD-12	CELLAR, SALON WALL MILLWORK						
	WD-13	CELLAR, SALON WALL BASE	SOLID WOOD, FINISH TO MATCH WD-13					
	WD-14	CELLAR, MEDIA ROOM WALL						
	WD-15	CELLAR, MEDIA ROOM WALL BASE	SOLID WOOD, FINISH TO MATCH WD-14					
	WD-16	GROUND FLOOR, LOBBY TRANSOMS AND MILLWORK	FIGURED SYCAMORE, 09.s.027	SATIN CATALYTIC CLEAR COAT	N/A	TABU		
	WD-17	GROUND FLOOR, MILWORK	STAINED SOLID WOOD TO MATCH WD-16					
	WD-18	GROUND FLOOR, GRAND DINING KITCHEN MILLWORK	WOOD VENEER, MILLWORK					
	WD-19	GROUND FLOOR, GRAND DINING KITCHEN MILLWORK	CUSTOM PANELING WITH ASSORTEED VENEER MARQUETRY					
	WD-20	GROUND FLOOR, GRAND DINING KITCHEN MILLWORK	SOLID WOOD FINISH TO MATCH WD-18					
	WD-21	MILLWORK AND FURNITURE FINISH THROUGHOUT	BESPOKE WALNUT					
WOOD FLOORING	WF-01	CELLAR, FITNESS	JUNKERS DK-4600 KOGE	SEE PRODUCT	5" X 6' LONG, 14MM THK	JUNCKERS		JUNCKERS SOLID TRADITIONS W/ 2 LAYERS PLYWOOD AND PAD SUBFLOOR SYSTEM
	WF-02	CELLAR, CHILDREN'S PLAYROOM						
	WF-03	CELLAR, TEEN RC ROOM AND MEDIA ROOM						
	WF-04	GROUND FLOOR, ELEVATOR LOBBY& MAILROOM FLOORING	BESPOKE WALNUT, LINCOLN	LOW VOC. WATER BASED POLYURETHANE	6-8" WIDE X 8' LENGTHS	LV WOOD		SELECT GRADE
SPECIALTY FINISH	SP-01	CELLAR FINISH THROUGHOUT	LEVEL 5 ARTISAN PLASTER					
	SP-02	POOL CEILING SYSTEM	EXTERIOR GWB WITH ACRYLIC TOP COAT					
	SP-03	GROUND FLOOR, CEILING ENTRY VESTIBULE	LEVEL 5 ARTISAN PLASTER					
	SP-04	GROUND FLOOR, CEILING AND WALL FINISH	LEVEL 5 ARTISAN PLASTER					
	SP-05	CELLAR, SALON FEATURE WALL	LEVEL 5 ARTISAN PLASTER					
	SP-06	CELLAR, MEDIA ROOM WALL	LEVEL 5 ARTISAN PLASTER					
RESILIENT FLOORING	RS-01	CELLAR, FITNESS FLOORING						

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
FINISH AND EXTERIOR FINISH SCHEDULE

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. HILL
No. 029504
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1" = 1'-0"
DWG NO.	A-017.00

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE DESIGNATION		FIXTURE DESCRIPTION	FIXTURE MANUFACTURERS & CATALOGUE NUMBERS (CATALOGUE NUMBERS MAY REQUIRE ADJUSTMENT TO CONFORM FIXTURE TO FINAL CEILING CONSTRUCTION)	LAMPS		FIXTURE INPUT				LOCATION
				QUANTITY PER FIXTURE	TYPE	VOLTS	WATTS	VOLT AMPS	UNITS	
EX1		SURFACE MOUNTED LED NODES CONNECTED VIA INTEGRAL WIRE WITH REMOTE MOUNTED POWER/DATA SUPPLY & CONTROLLER. NOTE : 1 - NODES TO BE PROVIDED PRE-ASSEMBLED AND MOUNTED TO METAL BACKBOARD.	**COLOR KINETICS** iW FLEX LMX : LED NODES PDS 60CA : POWER/DATA SUPPLY iPLAYER 3 : CONTROLLER	N/A	LED, WHITE TUNABLE 2700K-6500K	**	3	3	PER FOOT	EXTERIOR: BUILDING CROWN
EX2		SURFACE MOUNTED LED LINEAR LIGHT FIXTURE WITH INTEGRAL UV & IMPACT-RESISTANT ACRYLIC DIFFUSER, STAINLESS STEEL MOUNTING CHANNEL, & REMOTE MOUNTED MAGNETIC POWER SUPPLY. NOTE : 1 - MAXIMUM 20 LINEAR FEET OF FIXTURE PER POWER SUPPLY. 2 - AT LOCATIONS WHERE FIXTURE BENDS THE DESIGNATION IS NC-NO CHANNEL.	**iLIGHT TECHNOLOGIES** T 24 X45 S CL BE SC : FIXTURE 65 24 96W MAG : WET LOCATION POWER SUPPLY	N/A	LED, WHITE 4500K	**	3	3	PER FOOT	EXTERIOR: BUILDING FAÇADE
EX3		GROUND MOUNTED LED WET-LOCATION ADJUSTABLE ACCENT UPLIGHT WITH INTEGRAL DRIVER. NOTE : 1 - CONTRACTOR TO PROVIDE FULLY GASKETED WET-LOCATION JUNCTION BOX.	**BK LIGHTING** DS LED e36 SP A9 FINISH(**AS DIRECTED BY ARCHITECT**) 12 11 B 360SL BC4 FINISH(**AS DIRECTED BY ARCHITECT**)	N/A	WHITE LED, 2700K	**	9	9	PER FIXT.	TREES RETAINING WALL NICHES
EX4		SURFACE MOUNTED RGB LED WET-LOCATION SUBMERSIBLE FLEXIBLE LINEAR LIGHTSTRIP WITH REMOTE MOUNTED POWER SUPPLY.	**LED LINEAR** VARIO LED FLEX VENUS RGB/A TV IP68 POWER SUPPLY UNIT POWER CONTROL SYSTEM	N/A	RGB LED	**	3	3	PER FOOT	WATER FEATURE
EX5		SURFACE MOUNTED LED WET-LOCATION SUBMERSIBLE FLEXIBLE LINEAR LIGHTSTRIP WITH REMOTE MOUNTED POWER SUPPLY.	**LED LINEAR** VARIO LED FLEX VENUS W827/A TV IP68 POWER SUPPLY UNIT POWER CONTROL SYSTEM	N/A	WHITE LED, 2700K	**	3	3	PER FOOT	WATER FEATURE
EX6		REGRESSED LED IN-GRADE WET-LOCATION PATH LIGHT WITH INTEGRAL DRIVER.	**BK LIGHTING** MD LED e39 F FINISH(**AS DIRECTED BY ARCHITECT**) 2 A	N/A	WHITE LED, 2700K	**	3	3	PER FIXT.	LAWN CURB
EX7		SURFACE MOUNTED LED WET-LOCATION SUBMERSIBLE FLEXIBLE LINEAR LIGHTSTRIP WITH REMOTE MOUNTED POWER SUPPLY.	**LED LINEAR** VARIO LED FLEX VENUS W827/A TV IP67 POWER SUPPLY UNIT POWER CONTROL SYSTEM	N/A	WHITE LED, 2700K	**	3	3	PER FOOT	BENCHES STAIRS
EX8		REGRESSED WALL MOUNTED LED WET-LOCATION STEP LIGHT WITH INTEGRAL DRIVER.	**BK LIGHTING** CD BQ LED e36 A9 FINISH(**AS DIRECTED BY ARCHITECT**)	N/A	WHITE LED, 2700K	**	8	8	PER FIXT.	RAMPS
EX9		REGRESSED GROUND MOUNTED LED WET-LOCATION UPLIGHT WITH INTEGRAL DRIVER.	**BK LIGHTING** HP2 LED TR x21 SP FINISH(AS DIRECTED BY ARCHITECT) 11 12 D15 MT TC	N/A	WHITE LED, 2700K	**	15	15	PER FIXT.	TREE BOSQUE
EX10		TREE MOUNTED LED WET-LOCATION DOWNLIGHT WITH INTEGRAL DRIVER.	**BK LIGHTING** DS LED e36 MFL A9 FINISH(**AS DIRECTED BY ARCHITECT**) TREE STRAP FINISH(**AS DIRECTED BY ARCHITECT**)	N/A	WHITE LED, 2700K	**	9	9	PER FIXT.	TREE BOSQUE
EX11		SURFACE MOUNTED RGB LED WET-LOCATION ADJUSTABLE ACCENT LIGHT WITH INTEGRAL DRIVER. REMOTE MOUNTED INTERFACE & CONTROL SYSTEM.	**COLOR KINETICS** COLOR BURST POWERCORE 8-DEGREE FINISH(**AS DIRECTED BY ARCHITECT**) FULL HEIGHT GLARE SHIELD BLACK HONEYCOMB LOUVER BLACK MOUNTING (**TBD**) DATA ENABLER PRO iPLAYER 3	N/A	RGB LED	**	30	30	PER FIXT.	WATER WALL
EX12		REGRESSED GROUND MOUNTED LINEAR LED WET-LOCATION UPLIGHT WITH INTEGRAL DRIVER.	**LUMENPULSE** LO1 (**OUTPUT**) 24V 48 27K (**OPTICS**) INTL NO PACBOX NO LO1 JBOX CABLES (AS REQ'D)	N/A	WHITE LED, 2700K	**	9	9	PER FOOT	RETAINING WALL
EX13A		STAINLESS STEEL NIPPLE MOUNTED LED WET-LOCATION ADJUSTABLE FLOODLIGHT WITH INTEGRAL UNIVERSAL VOLTAGE DRIVER. REFLECTOR IS 50-DEGREE BEAM.	**BEGA-US** 7797 LED FINISH(**AS DIRECTED BY ARCHITECT**) 721 : 360-DEGREE GLARE SHIELD	N/A	WHITE LED, 3000K	**	74	74	PER FIXT.	PAVILION
EX13B		STAINLESS STEEL NIPPLE MOUNTED LED WET-LOCATION ADJUSTABLE FLOODLIGHT WITH INTEGRAL UNIVERSAL VOLTAGE DRIVER. REFLECTOR IS 22-DEGREE BEAM.	**BEGA-US** 7794 LED FINISH(**AS DIRECTED BY ARCHITECT**) 721 : 360-DEGREE GLARE SHIELD	N/A	WHITE LED, 3000K	**	74	74	PER FIXT.	PAVILION
EX13C		STAINLESS STEEL NIPPLE MOUNTED LED WET-LOCATION ADJUSTABLE FLOODLIGHT WITH INTEGRAL UNIVERSAL VOLTAGE DRIVER. REFLECTOR IS 10-DEGREE BEAM.	**BEGA-US** 7793 LED FINISH(**AS DIRECTED BY ARCHITECT**) 721 : 360-DEGREE GLARE SHIELD	N/A	WHITE LED, 3000K	**	74	74	PER FIXT.	PAVILION

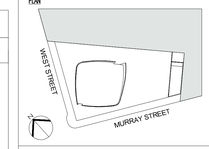
LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE DESIGNATION		FIXTURE DESCRIPTION	FIXTURE MANUFACTURERS & CATALOGUE NUMBERS (CATALOGUE NUMBERS MAY REQUIRE ADJUSTMENT TO CONFORM FIXTURE TO FINAL CEILING CONSTRUCTION)	LAMPS		FIXTURE INPUT				LOCATION
				QUANTITY PER FIXTURE	TYPE	VOLTS	WATTS	VOLT AMPS	UNITS	
L01		LINEAR LED RECESSED STRIPLIGHT WITH REMOTE MOUNTED ELV DIMMING DRIVER & FROSTED POLYCARBONATE DIFFUSER. NOTE : 1 - *PROVIDE LENGTHS AS REQUIRED TO FORM CONTINUOUS END-TO-END RUNS AT EACH LOCATION; REFERENCE ARCHITECTURAL DRAWINGS FOR LENGTHS & MOUNTING LOCATIONS. 2 - LIGHTSTRIPS TO BE MOUNTED ON TOP & (2) SIDES OF MIRROR NICHE WITH CONTINUOUS INSIDE ROOM WRAP CORNERS. 3 - FIXTURES TO BE JOINED TOGETHER TO FORM A CONTINUOUS ROW. 4 - REMOTE MOUNTED DRIVER TO BE PLACED IN WELL-VENTILATED, ACCESSIBLE LOCATION ADJACENT TO INSTALLATION & DETERMINED BY ARCHITECT.	**PURE LIGHTING** TL1.6A 10WDC *(**LENGTH**) 27K END-CAPS : LIGHTSTRIP TL LB RW : BRACKETS PSB 2x100W ELV 24VDC : ELV DIMMING DRIVER TL1.6A J-BOX CONTRACTOR TO SPECIFY ALL REQUIRED ACCESSORIES FOR A COMPLETE INSTALLATION, INCLUDING POWER SUPPLIES, MOUNTING HARDWARE KITS, FEED KITS, CONNECTORS, JOINERS, AND END-CAPS.	NA	WHITE LED, 2700K		10	10	PER FOOT	APARTMENTS: BATHROOM MIRRORS
L02		RECESSED LED WET-LOCATION WALL WASHER WITH INTEGRAL UNIVERSAL VOLTAGE ELV DIMMING DRIVER. NOTE : 1 - SKIM COATED TRIMLESS INSTALLATION.	**LF ILLUMINATION** VFS-1AA-S 16L D1 U : HOUSING 8432 16L 8027 W FINISH(**AS DIRECTED BY ARCHITECT**) SH : TRIM	NA	WHITE LED, 2700K		16	16	PER FIXT.	APARTMENTS: BATHROOMS
L03		DECORATIVE: PENDANT.	**TBD**	NA	WHITE LED, 2700K		5	5	PER FOOT	APARTMENTS: KITCHEN ISLAND
L04		**NOT USED.**								
L05		LINEAR DIMMING LED TASK LIGHTSTRIP WITH REMOTE MOUNTED ELV DIMMING INTERFACE. NOTE : 1 - *CONTRACTOR TO PROVIDE LENGTHS AS REQUIRED TO FORM CONTINUOUS END-TO-END RUNS AT EACH LOCATION; REFERENCE ARCHITECTURAL DRAWINGS FOR LENGTHS. 2 - CONTRACTOR TO PROVIDE ALL REQUIRED ACCESSORIES FOR A COMPLETE INSTALLATION, INCLUDING POWER SUPPLIES, MOUNTING HARDWARE KITS, FEED KITS, CONNECTORS, JOINERS, AND END-CAPS.	**FEELUX LIGHTING** *TUNELIGHT 2 : LIGHTSTRIP DTUNPTC*/XL : CONNECTING CABLE FOR DIMMING TUNPC120/XL : POWER CORD ELV DIMMING INTERFACE - OR APPROVED ALTERNATE -	NA	WHITE LED, 2700K		4	4	PER FOOT	APARTMENTS: LAUNDRY, KITCHENS
L06		RECESSED LED 3-LAMP ADJUSTABLE ACCENT DOWNLIGHT WITH INTEGRAL ELECTRONIC TRANSFORMER, SOFTENING LENS, & HEX CELL LOUVER. NOTE : 1 - SKIM COATED TRIMLESS INSTALLATION.	**3G FIXTURE** 3G RC316SQ 50 ___XTR GIMBAL FINISH(**AS DIRECTED BY ARCHITECT**) INTERIOR(**AS DIRECTED BY ARCHITECT**) BH OA : SF16 & HXB16	3	**SORAA** LED MR16 75 BO1 12 827 36-DEGREE, 2700K, FOR ENCLOSED FIXTURES (75W EQUIVALENT)		36	36	PER FIXT.	APARTMENTS: SECONDARY BATHROOMS
L07		LED SQUARE LARGE SURFACE MOUNT	**LIGHTOLIER** S01L22 SR22AL	NA	WHITE LED, 3500K		74	74	PER FIXT.	APARTMENTS: LAUNDRY
L08		LED SQUARE SMALL SURFACE MOUNT	**LIGHTOLIER** S01L12 SR12AL	NA	WHITE LED, 3500K		23	23	PER FIXT.	APARTMENTS: WALK-IN CLOSETS
L09		RECESSED LED DOWNLIGHT WITH INTEGRAL UNIVERSAL VOLTAGE ELV DIMMING DRIVER. NOTE : 1 - SKIM COATED TRIMLESS INSTALLATION.	**LF ILLUMINATION** VFS-1AA-S 16L D1 U : HOUSING 9012 16L 8027 W FINISH(**AS DIRECTED BY ARCHITECT**) DL : TRIM	NA	WHITE LED, 2700K		16	16	PER FIXT.	APARTMENTS: THROUGHOUT
L10		RECESSED LED WALL WASHER WITH INTEGRAL UNIVERSAL VOLTAGE ELV DIMMING DRIVER. NOTE : 1 - SKIM COATED TRIMLESS INSTALLATION.	**LF ILLUMINATION** VFS-1AA-S 16L D1 U : HOUSING 9432 16L 8027 W FINISH(**AS DIRECTED BY ARCHITECT**) : TRIM	NA	WHITE LED, 2700K		16	16	PER FIXT.	APARTMENTS: THROUGHOUT
L11		**NOT USED.**								
L12		RECESSED LED WET-LOCATION DOWNLIGHT WITH INTEGRAL ELV DIMMING DRIVER. NOTE : 1 - SKIM COATED TRIMLESS INSTALLATION.	**LF ILLUMINATION** VFS-1AA-S 16L D1 U : HOUSING 9212 16L 8027 W FINISH(**AS DIRECTED BY ARCHITECT**) DL : TRIM	NA	WHITE LED, 2700K		16	16	PER FIXT.	APARTMENTS: BATHROOMS
L13		DECORATIVE: PENDANT.	**TBD**							APARTMENTS: POWDER ROOMS
L27		LINEAR LED ADA WALL SCONCE	**INDUSTRIAL LIGHTING PRODUCTS** C4 40WLED UNIV 3000K WHP FRAL USBD/HL	NA	WHITE LED, 3000K		47	47	PER FIXT	EGRESS STAIRS
BOH1		**TBD PENDING FINAL BACKGROUND DESIGN.**								FIRST CELLAR
BOH2		**TBD PENDING FINAL BACKGROUND DESIGN.**								FIRST CELLAR
BOH3		**TBD PENDING FINAL BACKGROUND DESIGN.**								FIRST CELLAR
BOH4		SURFACE MOUNTED LED UTILITY DOWNLIGHT.	**PRESCOLITE** LBSLEDA10L 30K 9 WH	NA	WHITE LED, 3000K		17	17	PER FIXT.	BOH RESIDENTIAL CORRIDORS
BOH5		**TBD PENDING FINAL BACKGROUND DESIGN.**								FIRST CELLAR
BOH6		**TBD PENDING FINAL BACKGROUND DESIGN.**								FIRST CELLAR
BOH7		**TBD PENDING FINAL BACKGROUND DESIGN.**								FIRST CELLAR

CONTROLS NARRATIVE

ROOM TYPE	HOURS OF OPERATION	SYSTEM	CONTROL STRATEGY RECOMMENDATION
LOBBY & FIRST FLOOR PUBLIC AREAS	ALL TIMES	Central Dimming Panel System with Accessories	1. Scenes are programmed based on programming schedule provided by Owner. 2. Scenes are selected automatically by time clock. 3. Dimming allow for varied intensities. 4. Light reduction can be achieved in all areas using dimming to 10%.
RESIDENTIAL CIRCULATION CORRIDORS	ALL TIMES	Unswitched.	1. Lights are on 24 hours a day / 7 days a week.
AMENITY AREAS	REGULAR HOURS OF OPERATION	Central Dimming Panel System with Accessories	1. Scenes are programmed based on programming schedule provided by Owner. 2. Scenes are selected automatically by time clock. 3. Dimming allow for varied intensities. 4. Light reduction can be achieved in all areas using dimming to 10%.
	SUNSET TO MIDNIGHT	Relay Panel / Time Clock	1. Lights are turned on & off by astronomical timeclock.
BACK OF HOUSE	ALL TIMES	Occupancy Sensors	1. If occupancy sensors do not detect motion for 20 minutes, lights will shut completely off. 2. During an alarm event, all lights are turned on.
RESIDENTIAL APARTMENTS EXTERIOR	ALL TIMES	Standalone	1. Lights are turned on & off by local switches.

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-0790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
LIGHTING SCHEDULE

SEAL & SIGNATURE:
REGISTERED ARCHITECT STEPHEN T. HILL 020504 STATE OF NEW YORK

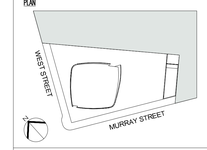
DATE:	09/15/14
PROJECT #:	13A26
SCALE:	3/16" = 1'-0"
DWG NO.	A-018.00

DEPT OF BLDGS 121323.00 Job Number
E509667242S Scan Code

GHWA- Plumbing Fixture Count									
				Type of Fixture					Plumbing Calculations-Segmant A
	Floor	Space	Occupant Load	Water Closet	Lavatories	Bathtub/Showers	Drinking Fountains	Complies with PC-403	Per 2008 NYC plumbing code Table 403.1
Amenity Space	Cellar	Aquatduc/ Fitness center*	130	4	6	2	4	YES	Water Closet Ratio: Occupant A-3
		Teen/Child Amenity Area*	65	2	4	N/A	N/A	YES	1 Per 70 (Male) 1 Per 35 (Females)
		Staff	2	2	5	2	N/A	YES	
	Ground Floor	Tower Retail 1	9	N/A	N/A	N/A	N/A	YES	Lavatories Ratio: Occupant A-3
		Tower Retail 2	31	N/A	N/A	N/A	N/A	YES	1 per 200 (Male and Female)
		Pavilion Retail 3	27	N/A	N/A	N/A	N/A	YES	
		Amenity*	48	2	4	N/A	N/A	YES	Drinking Fountain Ratio: Occupant A-3
		Lobby	Non-Simulateus	2	4	N/A	N/A	YES	1 Per 500 (Male and Female)
Residential Tower	4 - 12	West	11	4	6	4	N/A	YES	
		A	6	2	4	2	N/A	YES	
		B	4	1	2	1	N/A	YES	
		C	4	1	2	1	N/A	YES	
		D	4	1	2	1	N/A	YES	
	13 - 26	West	13	5	7	5	N/A	YES	
		A	8	3	5	3	N/A	YES	
		B	8	2	5	3	N/A	YES	
	28 - 39	West	11	4	6	4	N/A	YES	
		A	10	4	6	4	N/A	YES	
		B	8	3	5	3	N/A	YES	
	40 - 44	West	16	6	7	6	N/A	YES	
		East	14	5	6	5	N/A	YES	
	45 - 47	West	16	6	7	6	N/A	YES	
		East	15	5	6	5	N/A	YES	
	48 -50	West	17	6	7	6	N/A	YES	
		East	15	5	6	5	N/A	YES	
	52-54	West	19	7	8	7	N/A	YES	
		East	15	4	6	4	N/A	YES	
	55	West	20	7	8	7	N/A	YES	
		East	15	4	6	4	N/A	YES	
	56-57	West	20	7	8	7	N/A	YES	
		East	16	4	6	4	N/A	YES	
	58	Ph1	38	8	12	8	N/A	YES	
	59	PH2	39	8	12	8	N/A	YES	

*Note: Occupant load for plumbing fixture count in residential accessory spaces is based on 50 sf per person.

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
PLUMBING FIXTURE SCHEDULE

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN NG
No. 029884
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 12" = 1'-0"
A-019.00
DWG NO.

DEPT OF BLDGS 121323110 Job Number
E5641397059 Scan Code

OPTION 35 - 90% DD - 10 MARCH 2015

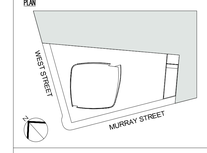
		MARKETING LEVEL	CONSTRUCTION LEVEL	ELEV. T.O.S. (FEET) NAVD 88	FL TO FL (FEET)	TOWER PROGRAM	GFA-TOWER (SF)	RESIDENTIAL NET (SF)	RESIDENTIAL EFFICIENCY (%)		ELEV. T.O.S. (FEET) NAVD 88	FL TO FL (FEET)	SITE BLDG PROGRAM	GFA PAVILLION (SF)	GFA - TOTAL (SF)	MECHANICAL DEDUCTION	STAIR DEDUCTION	BICYCLE STORAGE DEDUCTION	ZONING AREA (SF)	CORE & HALLWAY AREA (SF)	CORE AREA (SF)	HALLWAY AREA (SF)	# of DWELLING UNITS
			T.O. BLDG	821' 8"																			
	BULKHEAD		SEMR ROOF	783' 10 1/2"	37' 9 1/2"										0	0	0		0	0	0	0	0
			SEMR	772' 10 1/2"	11' 0"	EMR — COOLING TOWERS	917	0	0%						917	917	0		0	0	0	0	0
			PEMR	761' 10 1/2"	11' 0"	BMU	7,643	0	0%						7,643	7,643	0		0	0	0	0	0
		R	60 - ROOF	748' 4 1/2"	13' 6"	MECHANICAL + FIRETANKS	8,604	0	0%						8,604	8,604	0		0	0	0	0	0
	2 FLRS	PH-1	59	732' 1/2"	16' 4"	PH-1 : 6BR / 7.5BA (7901 SF)	8,595	7,901	92%						8,595	280	37		8,278	888	694	194	1
		PH-2	58	718' 1/2"	14' 0"	PH-2 : 6BR / 7.5BA (7722 SF)	8,413	7,719	92%						8,413	306	37		8,070	888	694	194	1
	6 FLOORS		62	704' 4 1/2"	13' 8"	WEST : 5BR / 6.5BA (4083 SF) — EAST : 3BR / 3.5BA (3275 SF)	8,247	7,359	89%						8,247	449	37		7,761	888	888	0	2
			61	691' 8 1/2"	12' 8"	WEST : 5BR / 6.5BA (4014 SF) — EAST : 3BR / 3.5BA (3199 SF)	8,102	7,214	89%						8,102	449	37		7,616	888	888	0	2
			60	679' 1/2"	12' 8"	WEST : 5BR / 6.5BA (3951 SF) — EAST : 3BR / 3.5BA (3127 SF)	7,966	7,078	89%						7,966	447	37		7,482	888	888	0	2
			59	666' 4 1/2"	12' 8"	WEST : 5BR / 6.5BA (3892 SF) — EAST : 3BR / 3.5BA (3059 SF)	7,839	6,951	89%						7,839	446	37		7,356	888	888	0	2
			58	653' 8 1/2"	12' 8"	WEST : 5BR / 6.5BA (3837 SF) — EAST : 3BR / 3.5BA (2995 SF)	7,721	6,833	88%						7,721	445	37		7,239	888	888	0	2
			57	641' 1/2"	12' 8"	WEST : 5BR / 6.5BA (3787 SF) — EAST : 3BR / 3.5BA (2936 SF)	7,611	6,723	88%						7,611	445	37		7,129	888	888	0	2
	1		56	628' 4 1/2"	12' 8"	MECHANICAL / FIRE TANKS	7,509	0	0%						7,509	7,509	0		0	0	0	0	0
	11 FLOORS		55	614' 9"	13' 7 1/2"	WEST : 4BR / 5.5BA (3398 SF) — EAST : 3BR / 4.5BA (3122 SF)	7,409	6,521	88%						7,409	400	37		6,972	888	888	0	2
			54	603' 1 1/2"	11' 7 1/2"	WEST : 4BR / 5.5BA (3366 SF) — EAST : 3BR / 4.5BA (3076 SF)	7,330	6,442	88%						7,330	401	37		6,892	888	888	0	2
			53	591' 6"	11' 7 1/2"	WEST : 4BR / 5.5BA (3336 SF) — EAST : 3BR / 4.5BA (3033 SF)	7,258	6,370	88%						7,258	400	37		6,821	888	888	0	2
			52	579' 10 1/2"	11' 7 1/2"	WEST : 4BR / 5.5BA (3310 SF) — EAST : 3BR / 4.5BA (2994 SF)	7,192	6,304	88%						7,192	399	37		6,756	888	888	0	2
			51	568' 3"	11' 7 1/2"	WEST : 4BR / 5.5BA (3287 SF) — EAST : 3BR / 4.5BA (2958 SF)	7,133	6,245	88%						7,133	399	37		6,697	888	888	0	2
			50	556' 7 1/2"	11' 7 1/2"	WEST : 4BR / 5.5BA (3267 SF) — EAST : 3BR / 4.5BA (2925 SF)	7,080	6,192	87%						7,080	398	37		6,645	888	888	0	2
			49	545' 0"	11' 7 1/2"	WEST : 4BR / 5.5BA (3249 SF) — EAST : 3BR / 4.5BA (2896 SF)	7,034	6,146	87%						7,034	398	37		6,599	888	888	0	2
			48	533' 4 1/2"	11' 7 1/2"	WEST : 4BR / 5.5BA (3235 SF) — EAST : 3BR / 4.5BA (2870 SF)	6,993	6,105	87%						6,993	398	37		6,558	888	888	0	2
			47	521' 9"	11' 7 1/2"	WEST : 4BR / 5.5BA (3223 SF) — EAST : 3BR / 4.5BA (2848 SF)	6,960	6,072	87%						6,960	398	37		6,525	888	888	0	2
			46	510' 1 1/2"	11' 7 1/2"	WEST : 4BR / 5.5BA (3214 SF) — EAST : 3BR / 4.5BA (2830 SF)	6,932	6,044	87%						6,932	398	37		6,497	888	888	0	2
			45	498' 6"	11' 7 1/2"	WEST : 4BR / 5.5BA (3208 SF) — EAST : 3BR / 4.5BA (2816 SF)	6,913	6,025	87%						6,913	396	37		6,480	888	888	0	2
			44	485' 10 1/2"	12' 7 1/2"	WEST : 3BR / 3.5BA (2290 SF) — A : 3BR /3.5BA (1932 SF) — B : 2BR / 2.5BA (1654 SF)	6,901	5,876	85%						6,901	502	37		6,362	1,025	888	137	3
			43	474' 3"	11' 7 1/2"	WEST : 3BR / 3.5BA (2280 SF) — A : 3BR /3.5BA (1939 SF) — B : 2BR / 2.5BA (1654 SF)	6,901	5,873	85%						6,901	464	37		6,400	1,028	893	135	3
			42	462' 7 1/2"	11' 7 1/2"	WEST : 3BR / 3.5BA (2280 SF) — A : 3BR /3.5BA (1939 SF) — B : 2BR / 2.5BA (1654 SF)	6,901	5,873	85%						6,901	464	37		6,400	1,028	893	135	3
			41	451' 0"	11' 7 1/2"	WEST : 3BR / 3.5BA (2280 SF) — A : 3BR /3.5BA (1939 SF) — B : 2BR / 2.5BA (1654 SF)	6,901	5,873	85%						6,901	464	37		6,400	1,028	893	135	3
			40	439' 4 1/2"	11' 7 1/2"	WEST : 3BR / 3.5BA (2280 SF) — A : 3BR /3.5BA (1939 SF) — B : 2BR / 2.5BA (1654 SF)	6,901	5,873	85%						6,901	464	37		6,400	1,028	893	135	3
			39	427' 9"	11' 7 1/2"	WEST : 3BR / 3.5BA (2280 SF) — A : 3BR /3.5BA (1939 SF) — B : 2BR / 2.5BA (1654 SF)	6,901	5,873	85%						6,901	464	37		6,400	1,028	893	135	3
			38	416' 1 1/2"	11' 7 1/2"	WEST : 3BR / 3.5BA (2280 SF) — A : 3BR /3.5BA (1939 SF) — B : 2BR / 2.5BA (1654 SF)	6,901	5,873	85%						6,901	464	37		6,400	1,028	893	135	3
			37	404' 6"	11' 7 1/2"	WEST : 3BR / 3.5BA (2280 SF) — A : 3BR /3.5BA (1939 SF) — B : 2BR / 2.5BA (1654 SF)	6,901	5,873	85%						6,901	464	37		6,400	1,028	893	135	3
			36	392' 10 1/2"	11' 7 1/2"	WEST : 3BR / 3.5BA (2280 SF) — A : 3BR /3.5BA (1939 SF) — B : 2BR / 2.5BA (1654 SF)	6,901	5,873	85%						6,901	464	37		6,400	1,028	893	135	3
			35	381' 3"	11' 7 1/2"	WEST : 3BR / 3.5BA (2280 SF) — A : 3BR /3.5BA (1939 SF) — B : 2BR / 2.5BA (1654 SF)	6,901	5,873	85%						6,901	464	37		6,400	1,028	893	135	3
			34	369' 7 1/2"	11' 7 1/2"	WEST : 3BR / 3.5BA (2280 SF) — A : 3BR /3.5BA (1939 SF) — B : 2BR / 2.5BA (1654 SF)	6,901	5,873	85%						6,901	464	37		6,400	1,028	893	135	3
			33	358' 0"	11' 7 1/2"	WEST : 3BR / 3.5BA (2280 SF) — A : 3BR /3.5BA (1939 SF) — B : 2BR / 2.5BA (1654 SF)	6,901	5,873	85%						6,901	464	37		6,400	1,028	893	135	3
	1		31/32	27	334' 9"	23' 3"	MECHANICAL / FIRE TANKS	6,901	0	0%						6,901	6,901	0		0	0	0	0	0
	15 FLOORS		30	26	321' 1 1/2"	13' 7 1/2"	WEST : 4BR / 4.5BA (2697 SF) — A : 2BR / 2.5BA (1591 SF) — B : 2BR / 2BA (1573 SF)	6,901	5,861	85%						6,901	434	37		6,430	1,040	893	147	3
			29	25	309' 6"	11' 7 1/2"	WEST : 4BR / 4.5BA (2697 SF) — A : 2BR / 2.5BA (1591 SF) — B : 2BR / 2BA (1573 SF)	6,901	5,861	85%						6,901	434	37		6,430	1,040	893	147	3
			28	24	297' 10 1/2"	11' 7 1/2"	WEST : 4BR / 4.5BA (2697 SF) — A : 2BR / 2.5BA (1591 SF) — B : 2BR / 2BA (1573 SF)	6,901	5,861	85%						6,901	434	37		6,430	1,040	893	147	3
			27	23	286' 3"	11' 7 1/2"	WEST : 4BR / 4.5BA (2697 SF) — A : 2BR / 2.5BA (1591 SF) — B : 2BR / 2BA (1573 SF)	6,901	5,861	85%						6,901	434	37		6,430	1,040	893	147	3
			26	22	274' 7 1/2"	11' 7 1/2"	WEST : 4BR / 4.5BA (2697 SF) — A : 2BR / 2.5BA (1591 SF) — B : 2BR / 2BA (1573 SF)	6,901	5,861	85%						6,901	434	37		6,430	1,040	893	147	3
			25	21	263' 0"	11' 7 1/2"	WEST : 4BR / 4.5BA (2697 SF) — A : 2BR / 2.5BA (1591 SF) — B : 2BR / 2BA (1573 SF)	6,901	5,861	85%						6,901	434	37		6,430	1,040	893	147	3
			24	20	251' 4 1/2"	11' 7 1/2"	WEST : 4BR / 4.5BA (2697 SF) — A : 2BR / 2.5BA (1591 SF) — B : 2BR / 2BA (1573 SF)	6,901	5,861	85%						6,901	434	37		6,430	1,040	893	147	3
			23	19	239' 9"	11' 7 1/2"	WEST : 4BR / 4.5BA (2697 SF) — A : 2BR / 2.5BA (1591 SF) — B : 2BR / 2BA (1573 SF)	6,901	5,861	85%						6,901	434	37		6,430	1,040	893	147	3
			22	18	228' 1 1/2"	11' 7 1/2"	WEST : 4BR / 4.5BA (2697 SF) — A : 2BR / 2.5BA (1591 SF) — B : 2BR / 2BA (1573 SF)	6,901	5,861	85%						6,901	434	37		6,430	1,040	893	147	3
			21	17	216' 6"	11' 7 1/2"	WEST : 4BR / 4.5BA (2697 SF) — A : 2BR / 2.5BA (1591 SF) — B : 2BR / 2BA (1573 SF)	6,901	5,861	85%						6,901	434	37		6,430	1,040	893	147	3
			20	16	204' 10 1/2"	11' 7 1/2"	WEST : 4BR / 4.5BA (2697 SF) — A : 2BR / 2.5BA (1591 SF) — B : 2BR / 2BA (1573 SF)	6,901	5,861	85%						6,901	434	37		6,430	1,040	893	147	3
			19	15	193' 3"	11' 7 1/2"	WEST : 4BR / 4.5BA (2697 SF) — A : 2BR / 2.5BA (1591 SF) — B : 2BR / 2BA (1573 SF)	6,901	5,861	85%						6,901	434	37		6,430	1,040	893	147	3
			18	14	181' 7 1/2"	11' 7 1/2"	WEST : 4BR / 4.5BA (2697 SF) — A : 2BR / 2.5BA (1591 SF) — B : 2BR / 2BA (1573 SF)	6,901	5,861	85%						6,901	434	37		6,430	1,040	893	147	3
			17	13	170' 0"	11' 7 1/2"	WEST : 4BR / 4.5BA (2697 SF) — A : 2BR / 2.5BA (1591 SF) — B : 2BR / 2BA (1573 SF)	6,901	5,861	85%						6,901	434	37		6,430	1,040	893	147	3
			16	12	158' 4 1/2"	11' 7 1/2"	WEST : 4BR / 4.5BA (2691 SF) — A : 2BR / 2.5BA (1591 SF) — B : 2BR / 2BA (1579 SF)	6,901	5,861	85%						6,901	483	37		6,381	1,040	893	147	3
	8 FLOORS		15	11	144' 4 1/2"	14' 0"	WEST 3BR / 3.5 BA (2221 SF) — A : 1BR / 1.5BA (1126 SF) — B : 1BR / 1BA (791 SF) — C : 1BR / 1BA (829 SF) — D : 0BR/1BA (755 SF)	6,901	5,724	83%						6,901	454	37		6,410	1,177	904	273	5
			14	10	132' 9"	11' 7 1/2"	WEST 3BR / 3.5 BA (2221 SF) — A : 1BR / 1.5BA (1126 SF) — B : 1BR / 1BA (791 SF) — C : 1BR / 1BA (829 SF) — D : 0BR/1BA (755 SF)	6,901	5,724	83%						6,901	454	37		6,410	1,177	904	273	5
			12	9	121' 1 1/2"	11' 7 1/2"	WEST 3BR / 3.5 BA (2221 SF) — A : 1BR / 1.5BA (1126 SF) — B : 1BR / 1BA (791 SF) — C : 1BR / 1BA (829 SF) — D : 0BR/1BA (755 SF)	6,901	5,724	83%						6,901	454	37		6,410	1,177	904	273	5
			11	8	109' 6"	11' 7 1/2"	WEST 3BR / 3.5 BA (2221 SF) — A : 1BR / 1.5BA (1126 SF) — B : 1BR / 1BA (791 SF) — C : 1BR / 1BA (829 SF) — D : 0BR/1BA (755 SF)	6,901	5,724	83%						6,901	454	37		6,410	1,177	904	273	5
			10	7	97' 10 1/2"	11' 7 1/2"	WEST 3BR / 3.5 BA (2221 SF) — A : 1BR / 1.5BA (1126 SF) — B : 1BR / 1BA (791 SF) — C : 1BR / 1BA (829 SF) — D : 0BR/1BA (755 SF)	6,901	5,724	83%						6,901	454	37		6,410	1,177	904	273	5
			9	6	86' 3"	11' 7 1/2"	WEST 3BR / 3.5 BA (2221 SF) — A : 1BR / 1.5BA (1126 SF) — B : 1BR / 1BA (791 SF) — C : 1BR / 1BA (829 SF) — D : 0BR/1BA (755 SF)	6,901	5,724	83%						6,901	454	37		6,410	1,177	904	273	5
			8	5	74' 7 1/2"	11' 7 1/2"	WEST 3BR / 3.5 BA (2221 SF) — A : 1BR / 1.5BA (1126 SF) — B : 1BR / 1BA (791 SF) — C : 1BR / 1BA (829 SF) — D : 0BR/1BA (755 SF)	6,901	5,724	83%	74'-0"		PARAPET			6,901	454	37		6,410	1,177	904	273	5
			7	4	63' 0"	11' 7 1/2"	WEST 3BR / 3.5 BA (2221 SF) — A : 1BR / 1.5BA (1126 SF) — B : 1BR / 1BA (791 SF) — C : 1BR / 1BA (829 SF) — D : 0BR/1BA (755 SF)	6,901	5,724	83%	69'-8"	4'-4"	BULKHEAD ROOF			6,901	454	37		6,410	1,177	904	273	5
											60'-8"	9'-0"	ROOF										
1	1		3	3	42' 0"	21' 0"	MECHANICAL	6,901	0		44'-4"	16'-4"	MECH	1,766	8,667	8,667	0		0				
1	1		2	2	29' 0"	13' 0"	MECHANICAL — BICYCLE	5,524	0		28'-0"	16'-4"	MECH	1,766	7,290	4,137	0	635	2,518				
1			L	1	12' 0"	17' 0"	RETAIL — AMENITY — LOBBY	9,041	0		9'-8"	18'-4"	RETAIL (869.25 SF) — BOH	1,756	10,797	123			10,674				
1			CLUB	CELLAR	-4' 2"	16' 2"	AMENITY + BOH				-4' 2"	16' 2"	STORAGE		29,886	29,886							
			POOL EQUIPMENT	LOWER CELLAR)	-11' 8"	7' 6"	MEP								7,884	7,884							
															ABOVE GRADE AREA TOTALS		442,589	67,949	1,998	635	372,006				157
															BELOW GRADE AREA TOTALS		37,770	37,770							
															OVER/UNDER						-342				
								330,427			RESIDENTIAL NET SF													

WARREN STREET CONDOMINIUM - NORTH (EL +429'-0")
MURRAY STREET RENTAL - EAST (EL +169'-0")
101 BARCLAY STREET - (EL +325'-0")

EXTRUDED PORTION OF BUILDING

FLARED PORTION OF BUILDING

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
STACKING CHART

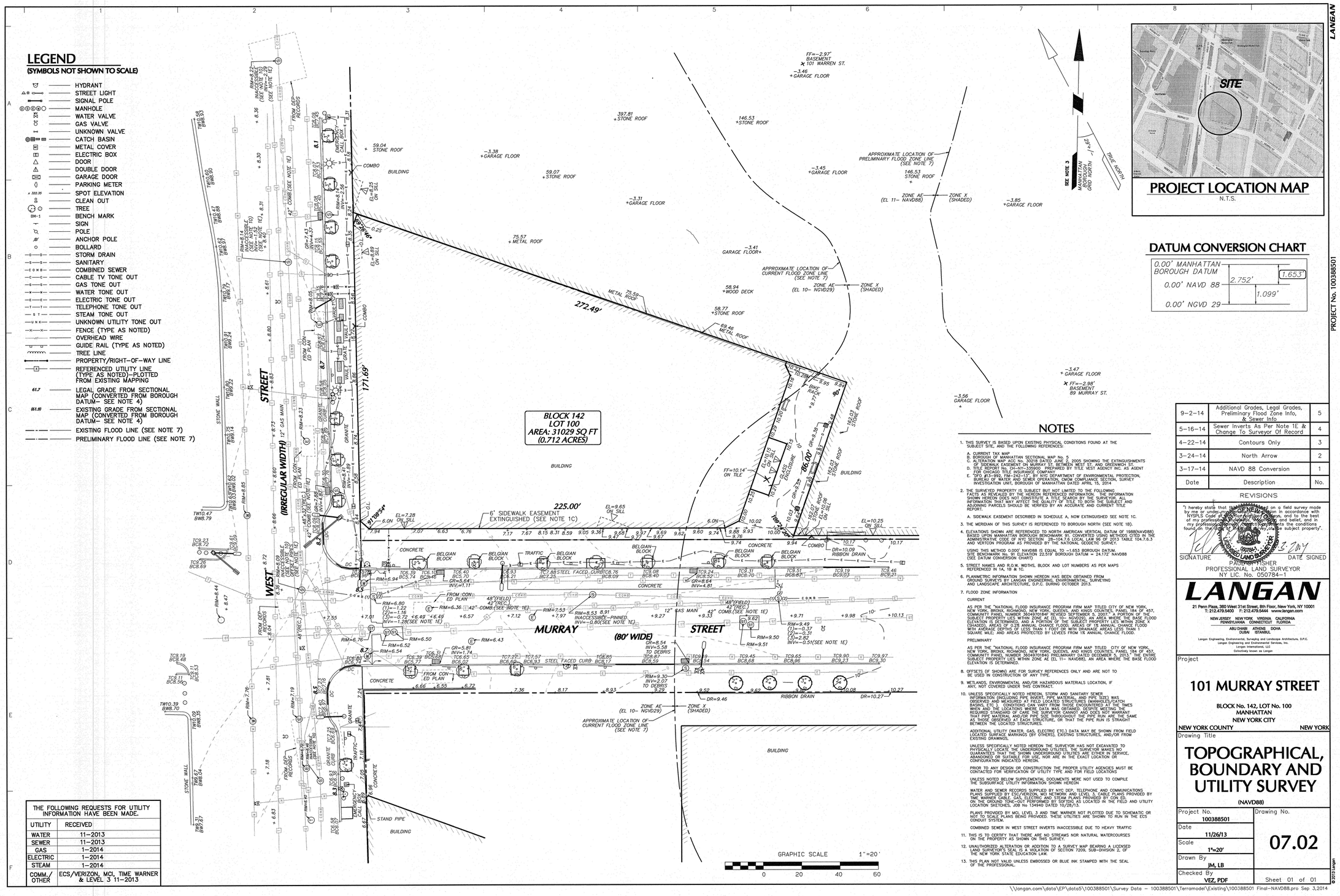
SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN WEST
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	12" = 1'-0"
DWG NO.	A-020.00

DEPT OF BLDGS 321333310 Job Number
E390507/2025 Scan Code

LEGEND
(SYMBOLS NOT SHOWN TO SCALE)

- HYDRANT
- STREET LIGHT
- SIGNAL POLE
- MANHOLE
- WATER VALVE
- GAS VALVE
- UNKNOWN VALVE
- CATCH BASIN
- METAL COVER
- ELECTRIC BOX
- DOOR
- DOUBLE DOOR
- GARAGE DOOR
- PARKING METER
- SPOT ELEVATION (x 322.35)
- CLEAN OUT
- TREE
- BENCH MARK (BM-1)
- SIGN
- POLE
- ANCHOR POLE
- BOLLARD
- STORM DRAIN
- SANITARY
- COMBINED SEWER
- CABLE TV TONE OUT
- GAS TONE OUT
- WATER TONE OUT
- ELECTRIC TONE OUT
- TELEPHONE TONE OUT
- STEAM TONE OUT
- UNKNOWN UTILITY TONE OUT
- FENCE (TYPE AS NOTED)
- OVERHEAD WIRE
- GUIDE RAIL (TYPE AS NOTED)
- TREE LINE
- PROPERTY/RIGHT-OF-WAY LINE
- REFERENCED UTILITY LINE (TYPE AS NOTED)–PLOTTED FROM EXISTING MAPPING
- 61.7 LEGAL GRADE FROM SECTIONAL MAP (CONVERTED FROM BOROUGH DATUM– SEE NOTE 4)
- (61.9) EXISTING GRADE FROM SECTIONAL MAP (CONVERTED FROM BOROUGH DATUM– SEE NOTE 4)
- EXISTING FLOOD LINE (SEE NOTE 7)
- PRELIMINARY FLOOD LINE (SEE NOTE 7)



PROJECT LOCATION MAP
N.T.S.

DATUM CONVERSION CHART

0.00' MANHATTAN BOROUGH DATUM		1.653'
0.00' NAVD 88	2.752'	
0.00' NGVD 29	1.099'	

THE FOLLOWING REQUESTS FOR UTILITY INFORMATION HAVE BEEN MADE.	
UTILITY	RECEIVED
WATER	11–2013
SEWER	11–2013
GAS	1–2014
ELECTRIC	1–2014
STEAM	1–2014
COMM./ OTHER	ECS/VERIZON, MCI, TIME WARNER & LEVEL 3 11–2013

NOTES

1. THIS SURVEY IS BASED UPON EXISTING PHYSICAL CONDITIONS FOUND AT THE SUBJECT SITE, AND THE FOLLOWING REFERENCES:
   A. CURRENT TAX MAP
   B. BOROUGH OF MANHATTAN SECTIONAL MAP No. 5
   C. ALTERATION MAP ACC No. 30218 DATED JUNE 2, 2005 SHOWING THE EXTINGUISHMENTS OF SIDEWALK EASEMENT ON MURRAY ST. BETWEEN WEST ST. AND GREENWICH ST.
   D. TITLE REPORT No. CHI-NYK-105900 PREPARED BY TITLE VEST AGENCY INC. AS AGENT FOR CHICAGO TITLE INSURANCE COMPANY
   E. "DFO #13–992, FIM–242–13", BY NYC DEPARTMENT OF ENVIRONMENTAL PROTECTION, BUREAU OF WATER AND SEWER OPERATION, CWOM COMPLIANCE SECTION, SURVEY INVESTIGATION UNIT, BOROUGH OF MANHATTAN DATED APRIL 15, 2014
2. THE SURVEYED PROPERTY IS SUBJECT BUT NOT LIMITED TO THE FOLLOWING FACTS AND MATTERS THAT MAY BE DISCLOSED BY A RECORD TITLE SEARCH. INFORMATION SHOWN HEREON DOES NOT CONSTITUTE A TITLE SEARCH BY THE SURVEYOR. ALL INFORMATION THAT MAY AFFECT THE QUALITY OF TITLE TO BOTH THE SUBJECT AND ADJOINING PARCELS SHOULD BE VERIFIED BY AN ACCURATE AND CURRENT TITLE REPORT.
   A. SIDEWALK EASEMENT DESCRIBED IN SCHEDULE A, NOW EXTINGUISHED SEE NOTE 1C.
3. THE MERIDIAN OF THIS SURVEY IS REFERENCED TO BOROUGH NORTH (SEE NOTE 1B).
4. ELEVATIONS SHOWN ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988(NAVD88) BASED UPON MANHATTAN BOROUGH BENCHMARK 91. CONVERTED USING METHODS CITED IN THE ADMINISTRATIVE CODE OF NYC SECTION 28–104.7.6 LOCAL LAW 99 OF 2013 TABLE 104.7.6.3 AND VERTCON PROGRAM AS PROVIDED BY THE NATIONAL GEODETIC SURVEY.
   USING THIS METHOD, BM 91 NAVD88 IS EQUAL TO +1.653 BOROUGH DATUM.
   (BM BENCHMARK No. 91 ELEVATION = 22.519 BOROUGH DATUM = 24.172 NAVD88 (SEE DATUM CONVERSION CHART))
5. STREET NAMES AND R.O.W. WIDTHS, BLOCK AND LOT NUMBERS AS PER MAPS REFERENCED IN 1A, 1B & 1C.
6. PLANIMETRIC INFORMATION SHOWN HEREON HAS BEEN OBTAINED FROM AERIAL MAPPING BY LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING AND LANDSCAPE ARCHITECTURE, D.P.C. DURING OCTOBER 2013.
7. FLOOD ZONE INFORMATION
   CURRENT
   AS PER THE "NATIONAL FLOOD INSURANCE PROGRAM FIRM MAP TITLED CITY OF NEW YORK, NEW YORK, BRONX COUNTY, KINGS COUNTY, NEW YORK COUNTY, AND QUEENS COUNTY, PANEL 194 OF 457, COMMUNITY PANEL NUMBER 3604970194F REVISED SEPTEMBER 5, 2007", A PORTION OF THE SUBJECT PROPERTY LIES WITHIN ZONE AE (EL 10– NGVD29), AN AREA WHERE THE BASE FLOOD ELEVATION IS DETERMINED, AND A PORTION OF THE SUBJECT PROPERTY LIES WITHIN ZONE X (SHADED), AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD.
   PRELIMINARY
   AS PER THE "NATIONAL FLOOD INSURANCE PROGRAM FIRM MAP TITLED CITY OF NEW YORK, NEW YORK, BRONX, RICHMOND, NEW YORK, QUEENS, AND KINGS COUNTIES, PANEL 194 OF 457, COMMUNITY PANEL NUMBER 3604970194G PRELIMINARY DATED DECEMBER 5, 2013," THE ENTIRE SUBJECT PROPERTY LIES WITHIN ZONE AE (EL 11– NAVD88), AN AREA WHERE THE BASE FLOOD ELEVATION IS DETERMINED.
8. OFFSETS (IF SHOWN) ARE FOR SURVEY REFERENCES ONLY AND ARE NOT TO BE USED IN CONSTRUCTION OF ANY TYPE.
9. WETLANDS, ENVIRONMENTAL AND/OR HAZARDOUS MATERIALS LOCATION, IF ANY, NOT COVERED UNDER THIS CONTRACT.
10. UNLESS SPECIFICALLY NOTED HEREON, STORM AND SANITARY SEWER INFORMATION (INCLUDING PIPE INVERT, PIPE MATERIAL AND PIPE SIZE) WAS OBSERVED AND MEASURED AT FIELD LOCATED STRUCTURES (MANHOLES/CATCH BASINS, ETC.). LOCATIONS OF MAIN LINES BETWEEN STRUCTURES ARE APPROXIMATE AND THE LOCATIONS WERE DATA WAS OBTAINED DESCRIBED MEETING THE REQUIRED STANDARD OF CARE THE SURVEYOR CANNOT AND DOES NOT WARRANT THAT PIPE MATERIAL AND/OR PIPE SIZE THROUGHOUT THE PIPE RUN ARE THE SAME AS THOSE OBSERVED AT EACH STRUCTURE, OR THAT THE PIPE RUN IS STRAIGHT BETWEEN THE LOCATED STRUCTURES.
    ADDITIONAL UTILITY (WATER, GAS, ELECTRIC ETC.) DATA MAY BE SHOWN FROM FIELD LOCATED SURFACE MARKINGS (BY OTHERS), EXISTING STRUCTURES, AND/OR FROM EXISTING DRAWINGS.
    UNLESS SPECIFICALLY NOTED HEREON THE SURVEYOR HAS NOT EXCAVATED TO PHYSICALLY LOCATE THE UNDERGROUND UTILITIES. THE SURVEYOR MAKES NO GUARANTEES THAT THE SHOWN UNDERGROUND UTILITIES ARE EITHER IN SERVICE, ABANDONED OR SUITABLE FOR USE, NOR ARE IN THE EXACT LOCATION OR CONFIGURATION INDICATED HEREON.
    PRIOR TO ANY DESIGN OR CONSTRUCTION THE PROPER UTILITY AGENCIES MUST BE CONTACTED FOR VERIFICATION OF UTILITY TYPE AND FOR FIELD LOCATIONS.
    UNLESS NOTED BELOW SUPPLEMENTAL DOCUMENTS WERE NOT USED TO COMPILE THE SUBSURFACE UTILITY INFORMATION SHOWN HEREON
    WATER AND SEWER RECORDS SUPPLIED BY NYC DEP, TELEPHONE AND COMMUNICATIONS PLANS SUPPLIED BY ESC/VERIZON, MCI NETWORK AND LEVEL 3, CABLE PLANS PROVIDED BY TIME WARNER CABLE, GAS, ELECTRIC AND STEAM PLANS PROVIDED BY CON ED, ON THE GROUND TONE–OUT PERFORMED BY SOFTDIG AS LOCATED IN THE FIELD AND UTILITY LOCATION SKETCHES, JOB No 134940 DATED 10/28/13.
    PLANS PROVIDED BY MCI, LEVEL 3 AND TIME WARNER NOT PLOTTED DUE TO SCHEMATIC OR NOT TO SCALE PLANS BEING PROVIDED. THESE UTILITIES ARE SHOWN TO RUN IN THE ECS CONDUIT SYSTEM.
    COMBINED SEWER IN WEST STREET INVERTS INACCESSIBLE DUE TO HEAVY TRAFFIC
11. THIS IS TO CERTIFY THAT THERE ARE NO STREAMS NOR NATURAL WATERCOURSES ON THE PROPERTY AS SHOWN ON THIS SURVEY.
12. UNAUTHORIZED ALTERATION OR ADDITION TO A SURVEY MAP BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209, SUB–DIVISION 2, OF THE NEW YORK STATE EDUCATION LAW.
13. THIS PLAN NOT VALID UNLESS EMBOSSED OR BLUE INK STAMPED WITH THE SEAL OF THE PROFESSIONAL.

No.	Description	Date
5	Additional Grades, Legal Grades, Preliminary Flood Zone Info, & Sewer Info	9–2–14
4	Sewer Inverts As Per Note 1E & Change To Surveyor Of Record	5–16–14
3	Contours Only	4–22–14
2	North Arrow	3–24–14
1	NAVD 88 Conversion	3–17–14

REVISIONS

"I hereby state that this survey was made on a field survey made by me or under my supervision in accordance with the Code of Practice for Land Surveys adopted by the New York State Association of Professional Land Surveyors and believe that it meets the conditions set forth in Title 19 NYCRR 1.7 for a property survey."

SIGNATURE — PAUL J. FISHER, PROFESSIONAL LAND SURVEYOR, NY LIC. No. 050784–1 — DATE SIGNED 3.2014

LANGAN
21 Penn Plaza, 360 West 31st Street, 8th Floor, New York, NY 10001
T: 212.479.5400 F: 212.479.5444 www.langan.com
NEW JERSEY NEW YORK VIRGINIA CALIFORNIA
PENNSYLVANIA CONNECTICUT FLORIDA
ABU DHABI ATHENS DOHA
DUBAI ISTANBUL
Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan International, LLC
Collectively known as Langan

Project
101 MURRAY STREET
BLOCK No. 142, LOT No. 100
MANHATTAN
NEW YORK CITY
NEW YORK COUNTY — NEW YORK

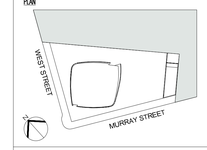
Drawing Title
TOPOGRAPHICAL, BOUNDARY AND UTILITY SURVEY
(NAVD88)

Project No. 100388501	Drawing No. 07.02
Date 11/26/13	
Scale 1"=20'	
Drawn By JM, LB	
Checked By VEZ, PDF	Sheet 01 of 01

© 2013 Langan

\\langan.com\data\EP\data5\100388501\Survey Data – 100388501\Terramodel\Existing\100388501 Final–NAVD88.pro Sep 3,2014

PROJECT No. 100388501

KEY PLAN


No.	Date	Revision
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

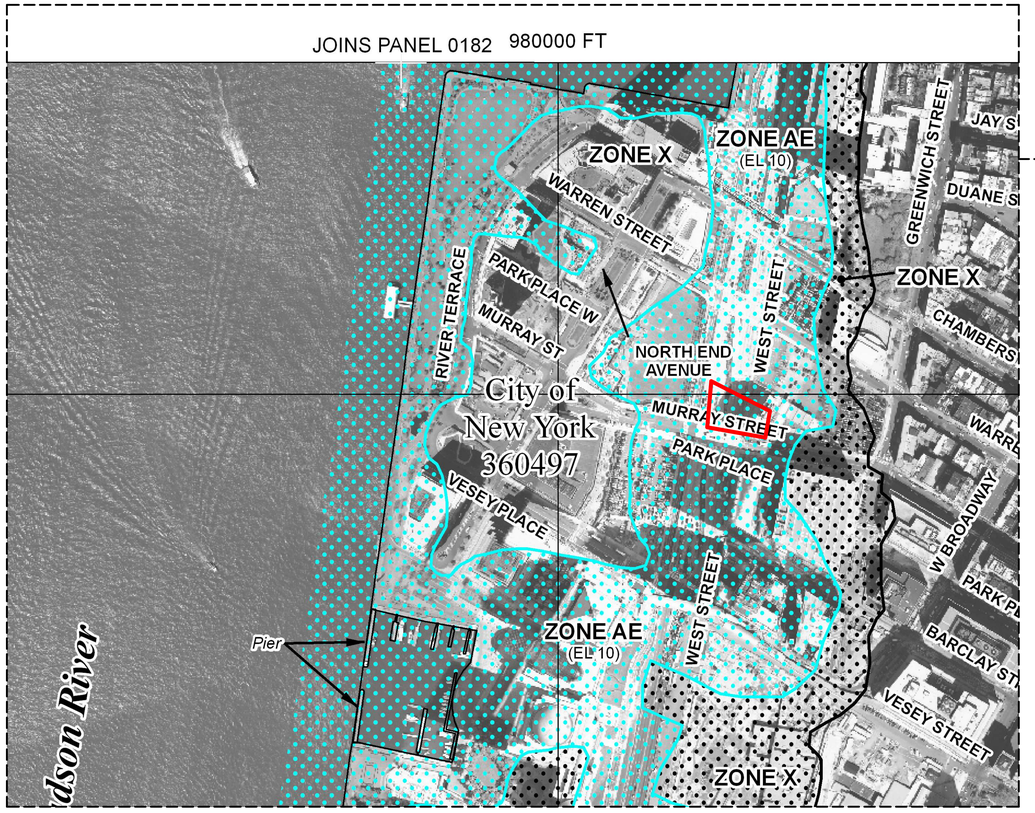
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/10/2015
NYC Development Hub

DWG TITLE:
SITE SURVEY

SEAL & SIGNATURE:
REGISTERED ARCHITECT STEPHEN M. KELLY 028904 STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: A-080.00
DWG NO.

DEPT OF BLDGS 321323.00 Job Number
E358308720305 Scan Code



NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0 North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross-sections and interpolated between cross-sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was New York State Plane FIPSZONE 3104. The **horizontal datum** was NAD 83, GRS80 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the National Geodetic Vertical Datum of 1929. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, NGS2812
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3182
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by the Department of Information Technology and Telecommunication, City of New York. This information was derived from digital orthophotos produced at a scale of 1:1,200 with 2-foot pixel resolution from photography dated April 2004.

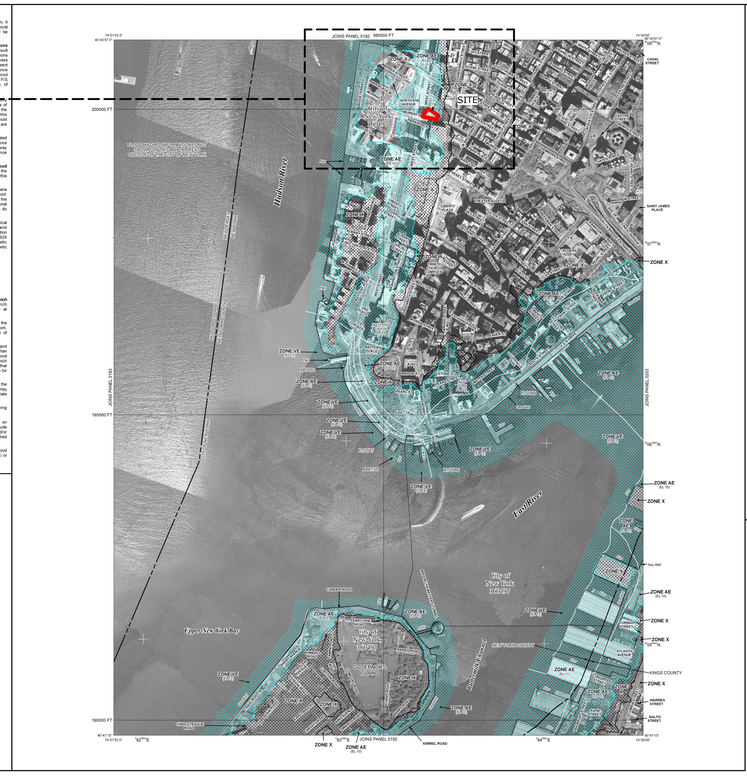
This map reflects more detailed and updated topographic information than that shown on the previous FIRM for this jurisdiction. The topographic and floodway that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map. Also, the relationship between the unrevised streams may differ from what is shown on previous maps.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map showing the layout of map panels for this jurisdiction.

Contact the **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://msc.fema.gov.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A — No Base Flood Elevations determined.
- ZONE AE — Base Flood Elevations determined.
- ZONE AH — Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO — Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR — Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99 — Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V — Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE — Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS
- ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS
- ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard areas of different Base Flood Elevations, flood depths or flood velocities.
- (EL 987) Base Flood Elevation line and value; elevation in feet*
- (EL 987) Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- Cross section line
- Transect line
- 97°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western hemisphere
- 1000-meter Universal Transverse Mercator grid values, zone 18
- 600000 FT — 5000-foot grid ticks: New York State Plane coordinate system, Long Island zone (FIPSZONE 3104), Lambert Conformal Conic projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- Spot elevation value where uniform within zone; elevation in feet*
- River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

INITIAL NFIP MAP DATE
June 05, 1974

FLOOD HAZARD BOUNDARY MAP REVISIONS
June 15, 1979

FLOOD INSURANCE RATE MAP EFFECTIVE
November 19, 1980

FLOOD INSURANCE RATE MAP REVISIONS
September 5, 2007 - to reflect updated topographic information, and to update map format

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 500'
250 0 500 1000 FEET
1 0 1 2 METERS

NFIP NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0184F

FIRM
FLOOD INSURANCE RATE MAP

CITY OF
NEW YORK,
NEW YORK
BRONX, RICHMOND, NEW YORK, QUEENS, AND KINGS COUNTIES

PANEL 184 OF 457

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW YORK, CITY OF	360497	0184	F

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
3604970184F

MAP REVISED
SEPTEMBER 5, 2007

Federal Emergency Management Agency

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0 North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross-sections and interpolated between cross-sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was New York Long Island Zone (FIPSZONE 3104) of the State Plane coordinate system. The horizontal datum was North American Datum of 1983 (NAD 83), GRS80 spheroid. Differences in datum, spheroid, projection or State Plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, NGS2812
National Geodetic Survey
SSMC-3, #9202
1315 East-West Highway
Silver Spring, Maryland 20910-3182
(301) 713-3242

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at **(301) 713-3242**, or visit its website at http://www.ngs.noaa.gov.

Base map information shown on this FIRM was provided in digital format by the Department of Information Technology and Telecommunication, City of New York. This information was derived from digital orthophotos produced at a scale of 1:1,200 with 2-foot pixel resolution from photography dated April 2004.

This map reflects more detailed and updated topographic information than that shown on the previous FIRM for this jurisdiction. The topographic and floodway that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study Report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

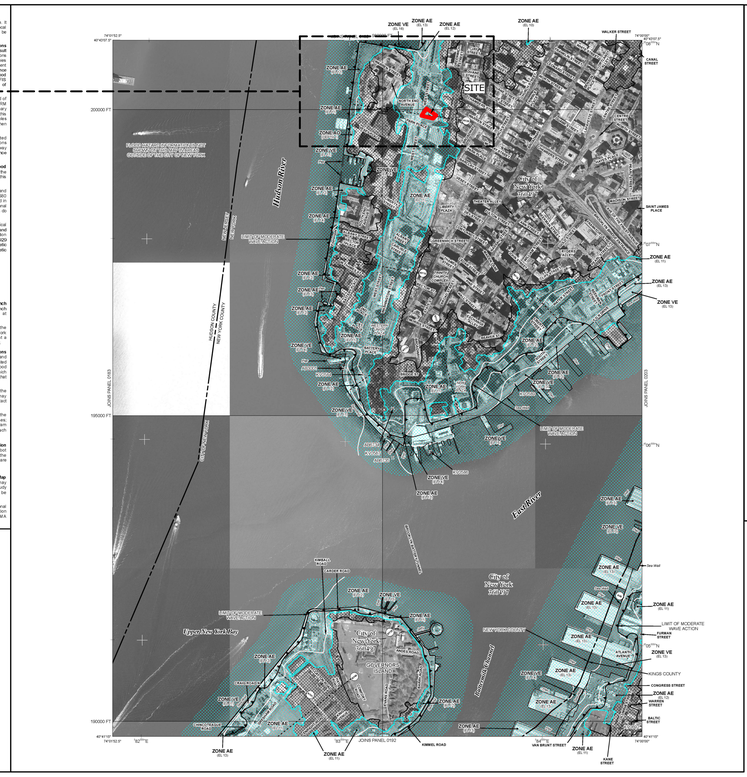
Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the layout of map panels for this jurisdiction, and a listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

The AE Zone category has been divided by a **Limit of Moderate Wave Action (LiMWA)**. The LiMWA represents the approximate landward limit of the 1.5- foot breaking wave. The effects of wave hazards between the VE Zone and the LiMWA will be similar to, but less severe than those in the VE Zone. Flood elevations not identified will be similar to, but less severe than those in the VE Zone.

For information on available products associated with this FIRM visit the **Map Service Center (MSC)** website at http://msc.fema.gov. Available products may include previously issued Letters of Map Changes, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have **questions about this map**, how to order products or the National Flood Insurance Program in general, please call the FEMA Map Information eXchange (FMIX) at **1-877-FEMA MAP** (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/business/nfip.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE A — No Base Flood Elevations determined.
- ZONE AE — Base Flood Elevations determined.
- ZONE AH — Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AO — Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR — Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99 — Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V — Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE — Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS
- ZONE X — Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS
- ZONE X — Areas determined to be outside the 0.2% annual chance floodplain.
- ZONE D — Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard areas of different Base Flood Elevations, flood depths or flood velocities.
- (EL 987) Base Flood Elevation line and value; elevation in feet*
- (EL 987) Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988

- Cross section line
- Transect line
- 97°07'45", 32°22'30" — Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western hemisphere
- 1000-meter Universal Transverse Mercator grid values, zone 18
- 600000 FT — 5000-foot grid ticks: New York State Plane coordinate system, Long Island zone (FIPSZONE 3104), Lambert Conformal Conic projection
- DX5510 — Bench mark (see explanation in Notes to Users section of this FIRM panel)
- Spot elevation value where uniform within zone; elevation in feet*
- River Mile

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

INITIAL NFIP MAP DATE
June 05, 1974

FLOOD HAZARD BOUNDARY MAP REVISIONS
June 15, 1979

FLOOD INSURANCE RATE MAP EFFECTIVE
November 19, 1980

FLOOD INSURANCE RATE MAP REVISIONS
September 5, 2007 - to reflect updated topographic information, and to update map format

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

For descriptions of revisions see Notice to Users page in the Flood Insurance Study report.

MAP SCALE 1" = 500'
250 0 500 1000 FEET
1 0 1 2 METERS

NFIP NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0184G

FIRM
FLOOD INSURANCE RATE MAP

CITY OF
NEW YORK
NEW YORK
BRONX, RICHMOND, NEW YORK, QUEENS, AND KINGS COUNTIES

PANEL 184 OF 457

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW YORK, CITY OF	360497	0184	G

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

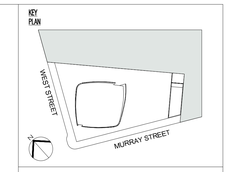
PRELIMINARY
DECEMBER 5, 2013

MAP NUMBER
3604970184G

MAP REVISED

Federal Emergency Management Agency

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

FB THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

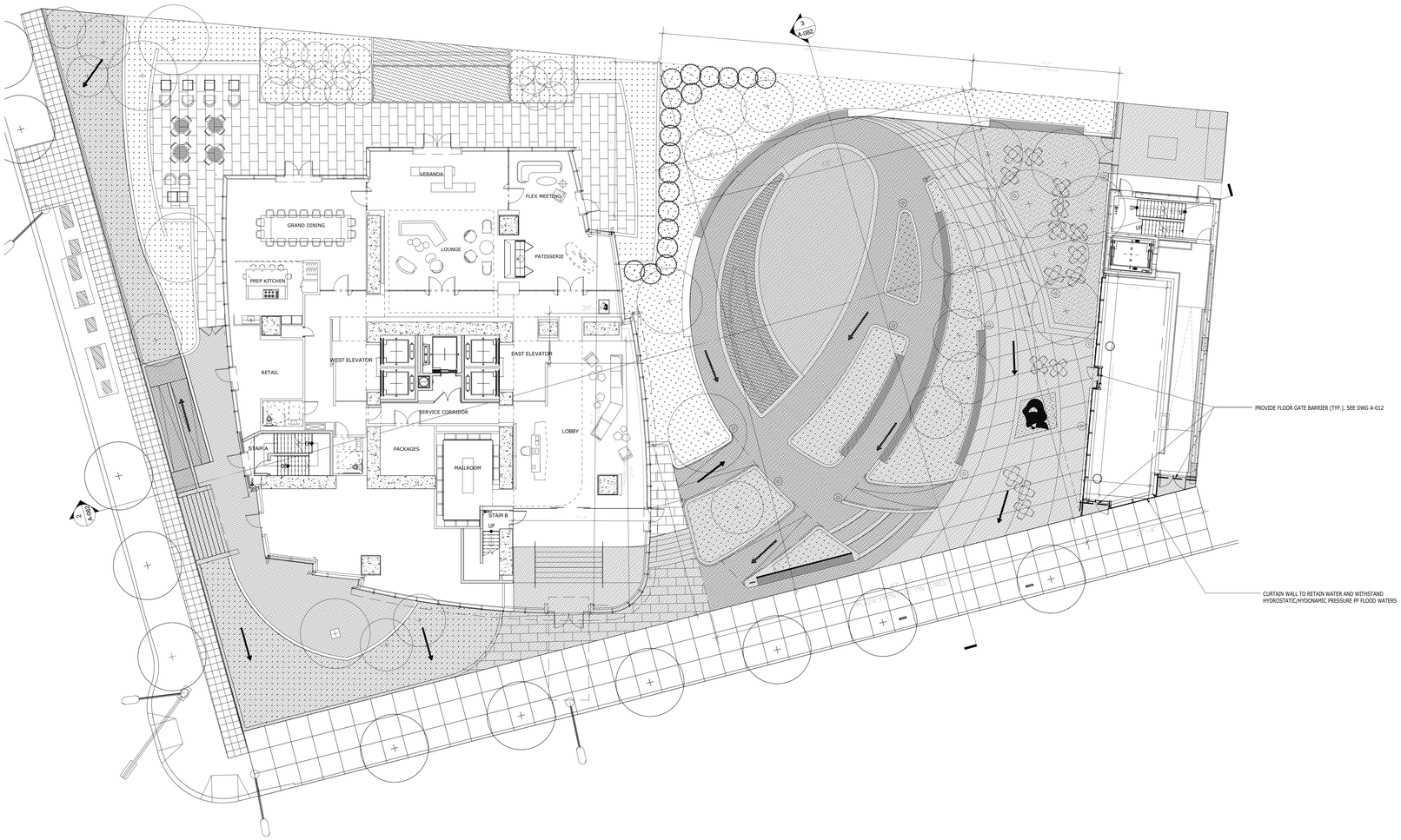
DWG TITLE:
FEMA MAPS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOHN STEPHEN HILL
No. 026884
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	
DWG NO.	A-081.00

DEPT OF BLDGS 321323.00 Job Number

E320014977 Scan Code



1 FLOOD BARRIER SITE PLAN
3/32" = 1'-0"

FLOOD HAZARD ZONE: AE
BASE FLOOD ELEVATION = + EL. 11'-0" (NAVD88)

DESIGN FLOOD ELEVATION/ FLOOD RESISTANT CONSTRUCTION ELEVATION = + EL. 12'-0" (NAD88)

LEGEND:

- AREA SUBJECT TO FLOODING
- FLOOD BARRIERS (TYP.)
- WATER DISCHARGE FLOW

NOTES:
1. ALL BUILDING MATERIALS TO BE FLOOD-RESISTANT.

2. BUILDING MATERIALS INCLUDING SIDE WALLS, STEPS, FLOOR SLABS, FOUNDATION WALLS, AND RAMPS ARE DESIGNED TO RETAIN WATER AND WITHSTAND HYDROSTATIC/HYDONAMIC PRESSURE - SEE STRUCTURAL DRAWINGS.

3. ALL SWITCHES BELOW FLOOD PLAIN TO BE WATERPROOF.

4. THIS SITE LIES INSIDE THE 100-YEAR FLOOD ZONE (ZONE AE) AS DESIGNATED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY FOR FEMA COMMUNITY PANEL # 360497 PANEL 0184 SUFFIX G (PRELIMINARY DATED 12/05/13).

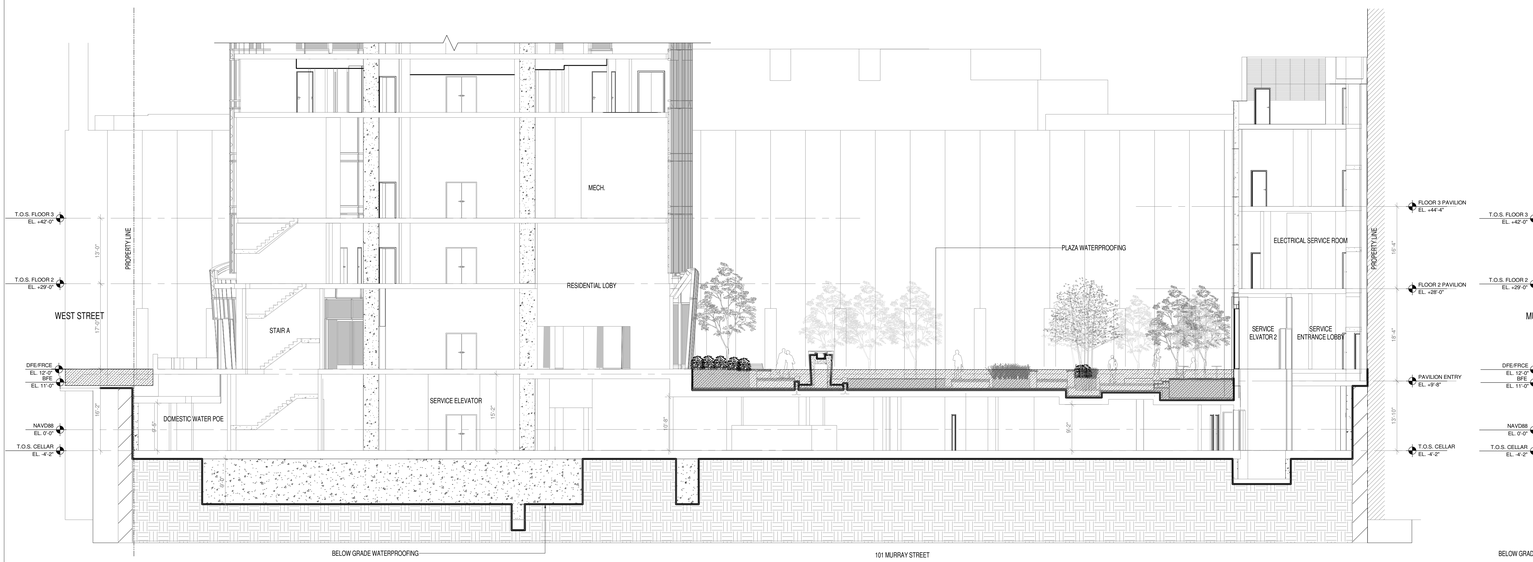
A.THIS BUILDING IS CLASSIFIED "NON-RESIDENTIAL (FOR FLOOD PURPOSES)"

B.THE BUILDING WILL BE DRY-FLOODPROOFED IN COMPLIANCE WITH APPENDIX G (G304.1.2.2)

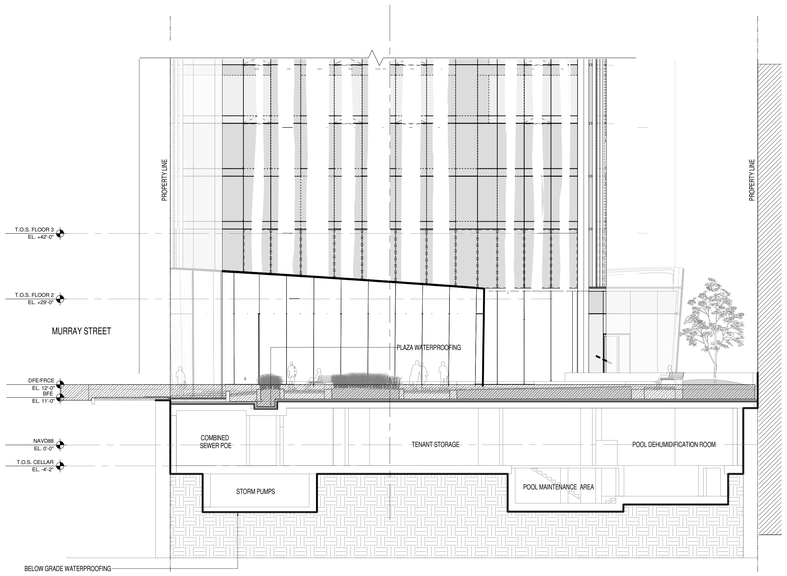
C.A RESTRICTIVE DECLARATION NOTING THE RESTRICTIONS OF BC G304.1.2.2.2.2.1 - G304.1.2.2.2.2.5 SHALL BE FILED WITH THE CITY REGISTER OR COUNTY CLERK AND THE PAGE NUMBER AND LIBER NUMBER SHALL BE IDENTIFIED IN THE PERMIT APPLICATION AND ON THE CERTIFICATE OF OCCUPANCY. (BC G304.1.2.2.2.5)

5. DRY FLOOD PROOFING IS DESIGNED IN ACCORDANCE WITH ASCE 24

6. ALL HEATING, VENTILATION, AIR CONDITIONING, PLUMBING, ELECTRICAL AND OTHER SERVICES FACILITIES AND EQUIPMENT WITHIN THE STRUCTURE OR SITE WILL BE LOCATED OF CONSTRUCTED SO AS TO PREVENT WATER FROM ENTERING OR ACUMULATING WITHIN THE COMPONENTS DURING CONDITIONS OF FLOODING IN ACCORDANCE WITH ASCE 24.

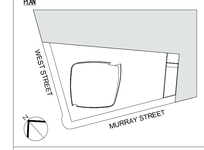


2 FLOOD BARRIER SECTION
3/32" = 1'-0"



3 FLOOD BARRIER SECTION
3/32" = 1'-0"

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/10/2015
NYC Development Hub

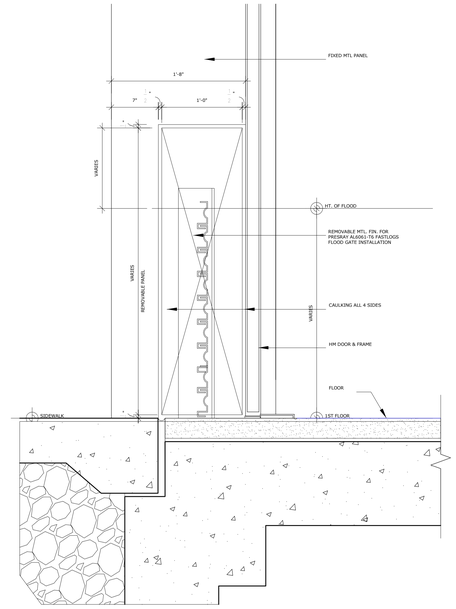
DWG TITLE:
FLOOD DIAGRAM

SEAL & SIGNATURE:
REGISTERED ARCHITECT
DO STEPHEN T.H. LEE
No. 025054
STATE OF NEW YORK

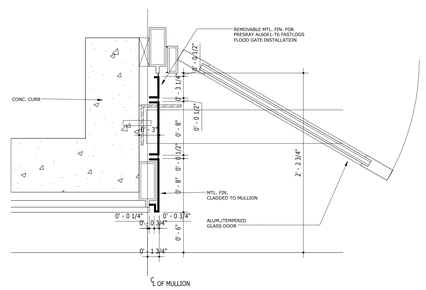
DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
	A-082.00
DWG NO.	

DEPT OF BLDGS 122132110 Job Number

E3631490K4E9 Scan Code

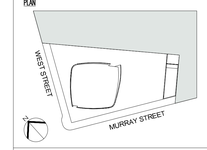


2 FLOOR DOOR DETAIL TYP.
1 1/2" = 1'-0"



1 FLOOR DOOR
1 1/2" = 1'-0"

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

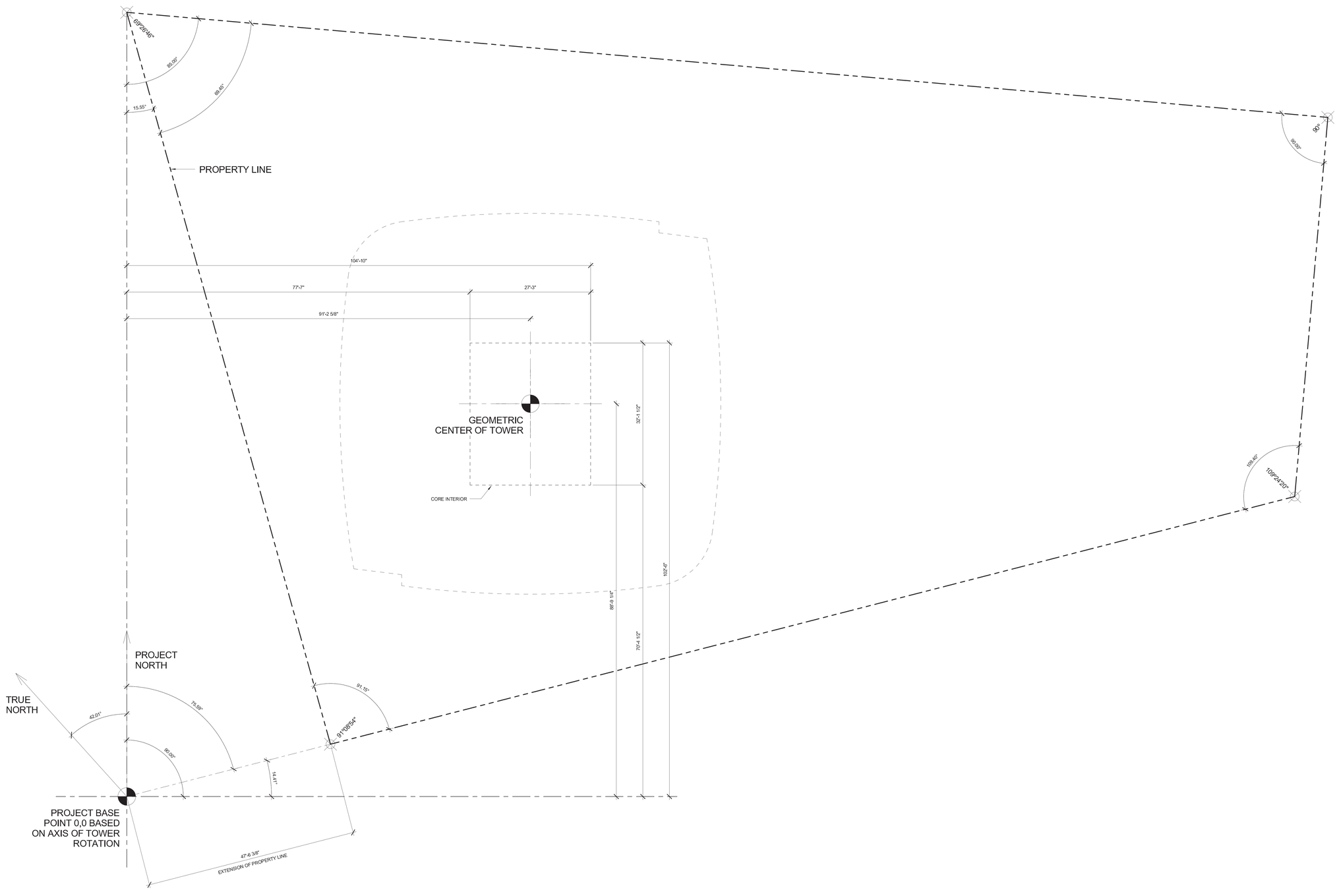
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
FLOOD DETAILS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
STATE OF NEW YORK

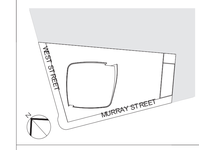
DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1 1/2" = 1'-0"
A-083.00
DWG NO.

DEPT OF BLDGS 121323.00 Job Number
E314570/20389 Scan Code



1 PROJECT BASE POINT SETOUT
SCALE: 1/8" = 1'-0"
0 2' 4' 8'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB #: 122132110

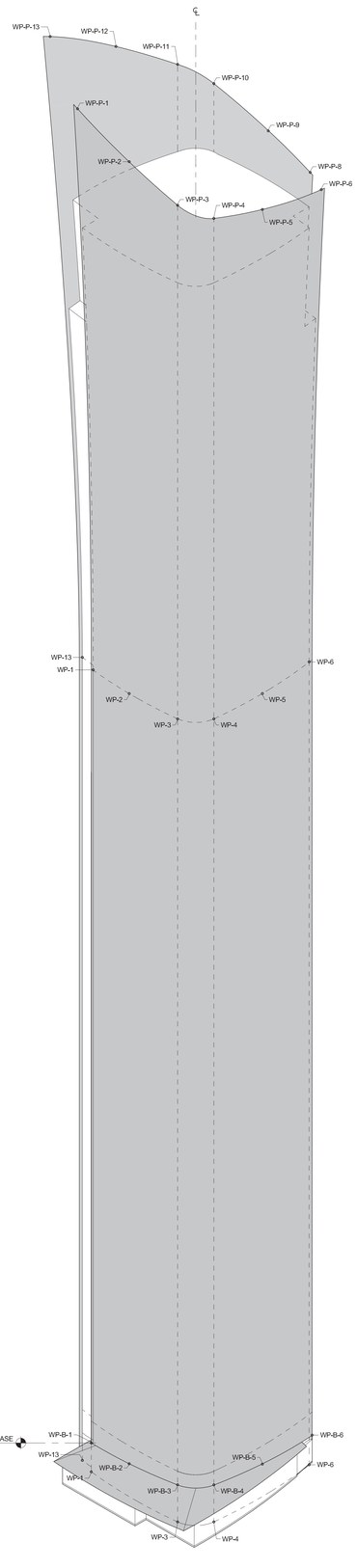
DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
PROJECT SET-OUT PLAN

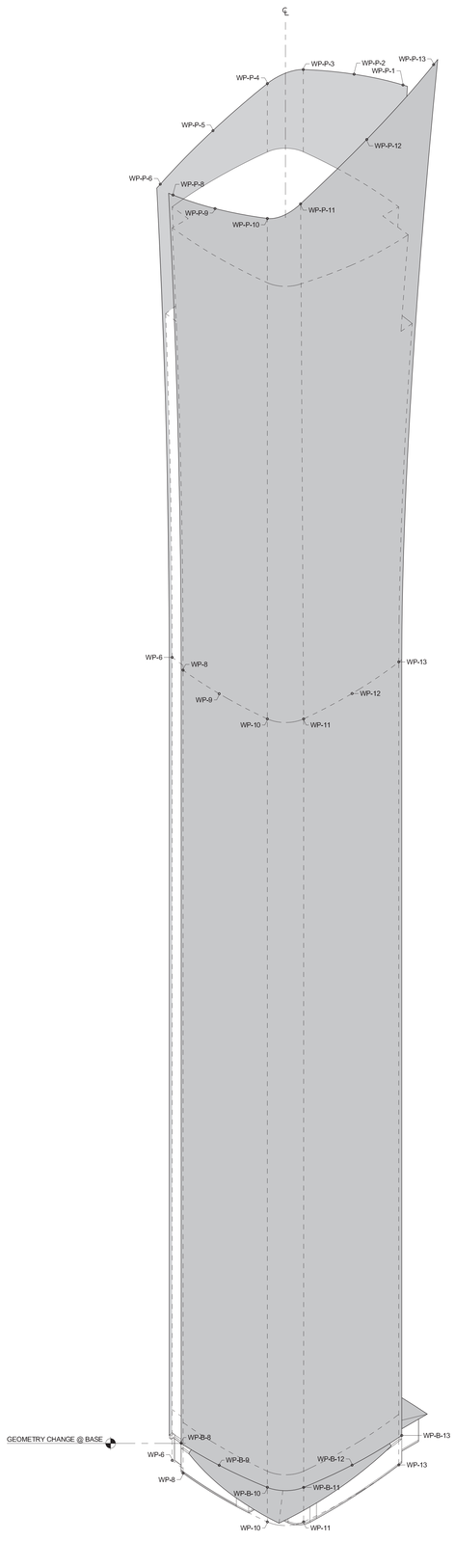
SEAL & SIGNATURE:
REGISTERED ARCHITECT
DAVID STEPHEN WEST
OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/8" = 1'-0"
DWG NO.	A-085.00

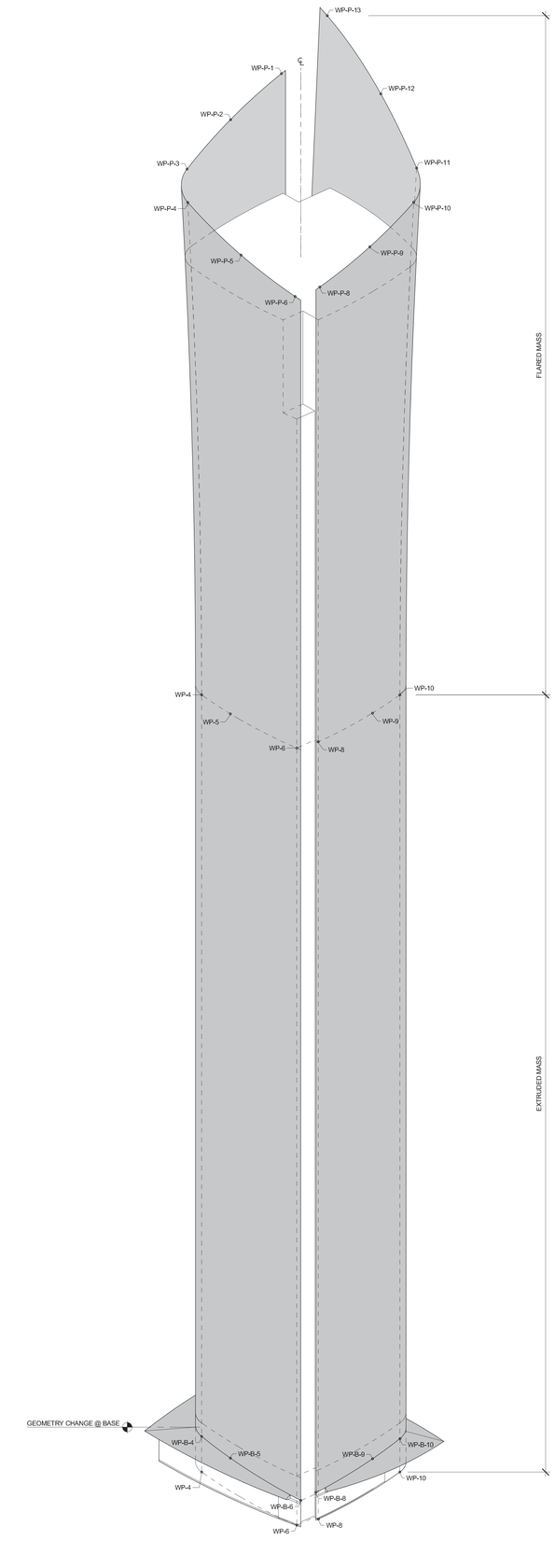
DEPT OF BLDGS 122132110 Job Number
E350689606 Scan Code



1 NORTHWEST ISOMETRIC
SCALE: NTS

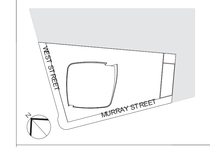


2 SOUTHEAST ISOMETRIC
SCALE: NTS



3 SOUTHWEST ISOMETRIC
SCALE: NTS

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB #: 122132110

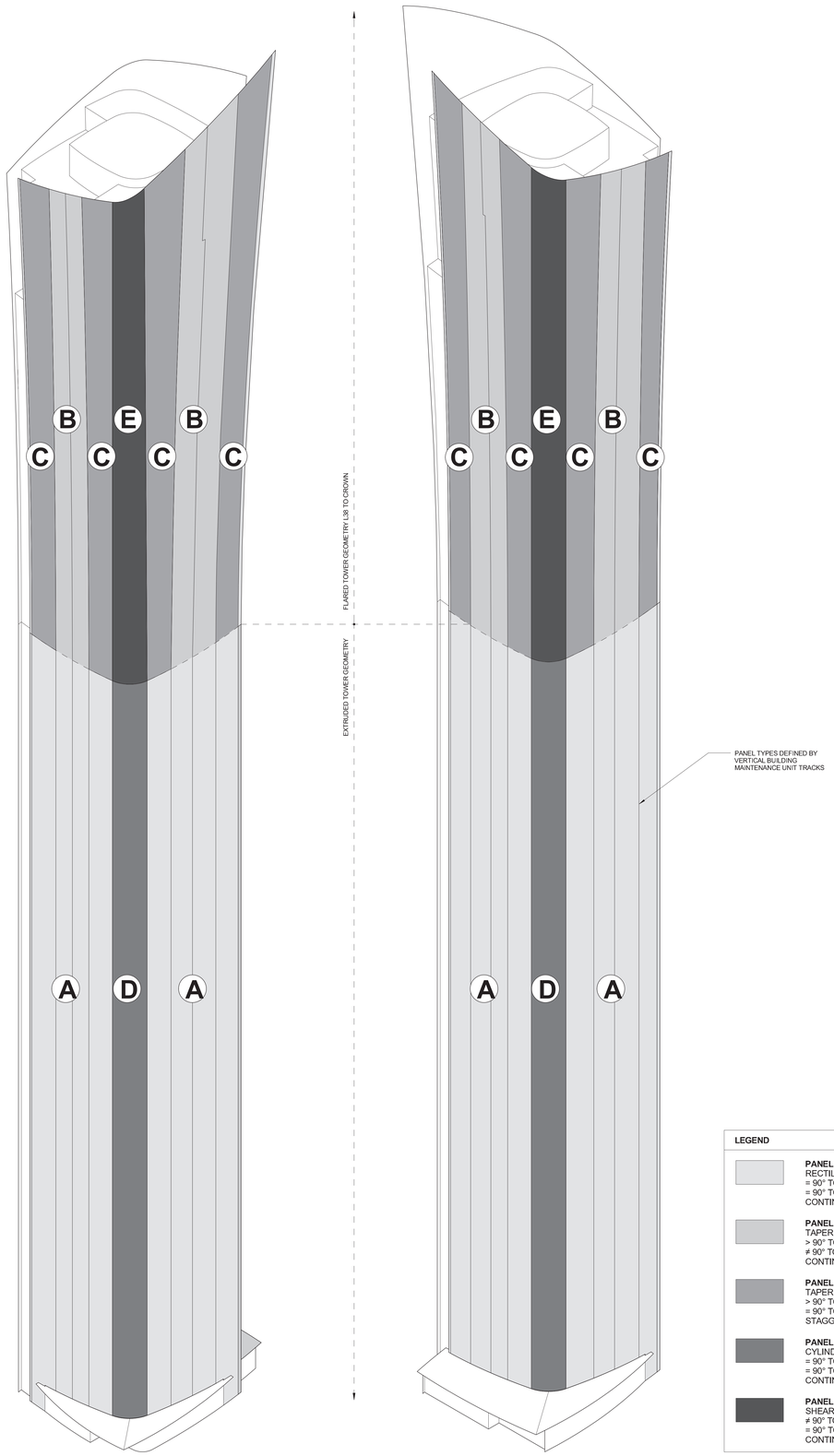
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
TOWER GEOMETRY ISOMETRIC

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN TILL
No. 026004
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1 : 300
DWG NO.	A-086.00

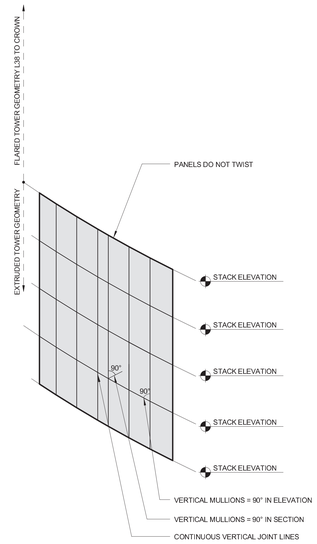
DEPT OF BLDGS 122132110 Job Number
E350431339/05 Scan Code



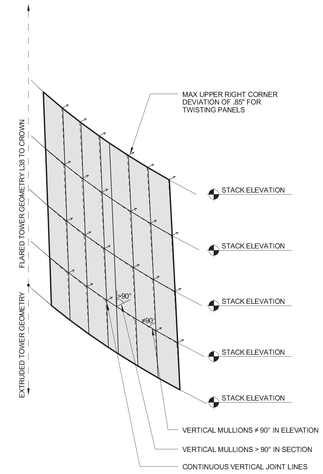
LEGEND

- **PANEL TYPE 'A':** RECTILINEAR PANELS = 90° TO SLAB EDGE IN SECTION = 90° TO SLAB EDGE IN ELEVATION CONTINUOUS VERTICAL MULLIONS
- **PANEL TYPE 'B':** TAPERED PANELS > 90° TO SLAB EDGE IN SECTION ≠ 90° TO SLAB EDGE IN ELEVATION CONTINUOUS VERTICAL MULLIONS
- **PANEL TYPE 'C':** TAPERED PANELS > 90° TO SLAB EDGE IN SECTION = 90° TO SLAB EDGE IN ELEVATION STAGGERED VERTICAL MULLIONS
- **PANEL TYPE 'D':** CYLINDRICAL PANELS = 90° TO SLAB EDGE IN SECTION = 90° TO SLAB EDGE IN ELEVATION CONTINUOUS VERTICAL MULLIONS
- **PANEL TYPE 'E':** SHEARED CYLINDRICAL PANELS ≠ 90° TO SLAB EDGE IN SECTION = 90° TO SLAB EDGE IN ELEVATION CONTINUOUS VERTICAL MULLIONS

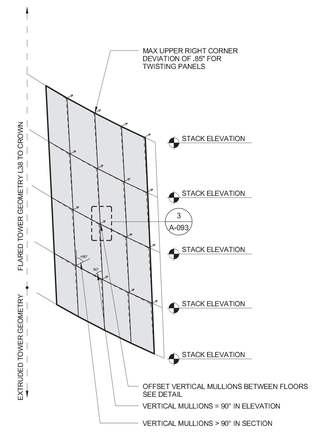
7 GEO_ISO_CW_PANEL_TYPE
SCALE: NTS



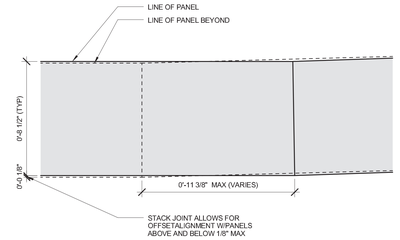
6 PANEL TYPE 'A' VERTICAL PANELS AT EXTRUSION
SCALE: NTS



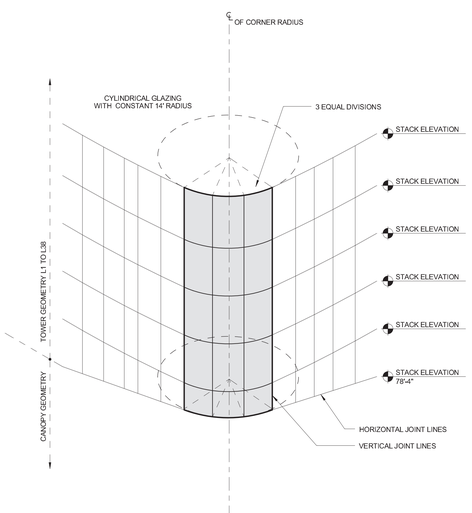
5 PANEL TYPE 'B' CONTINUOUS VERTICAL MULLIONS AT FLARE
SCALE: NTS



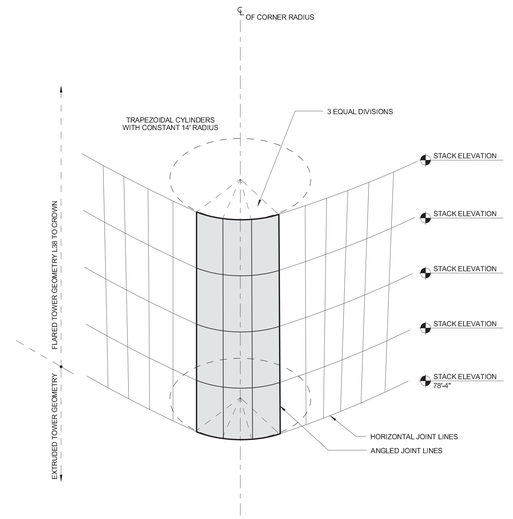
4 PANEL TYPE 'C' OFFSET VERTICAL MULLIONS AT FLARE
SCALE: NTS



3 PANEL TYPE 'C' TYPICAL PLAN DIAGRAM AT OFFSET STACK JOINT
SCALE: 3" = 1'-0"

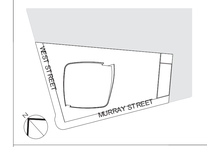


2 PANEL TYPE 'D' RADIUS CORNER AT EXTRUSION
SCALE: NTS



1 PANEL TYPE 'E' RADIUS CORNER AT FLARE
SCALE: NTS

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB #: 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 1 of 1975
Date: 05/20/2015
NYC Development Hub

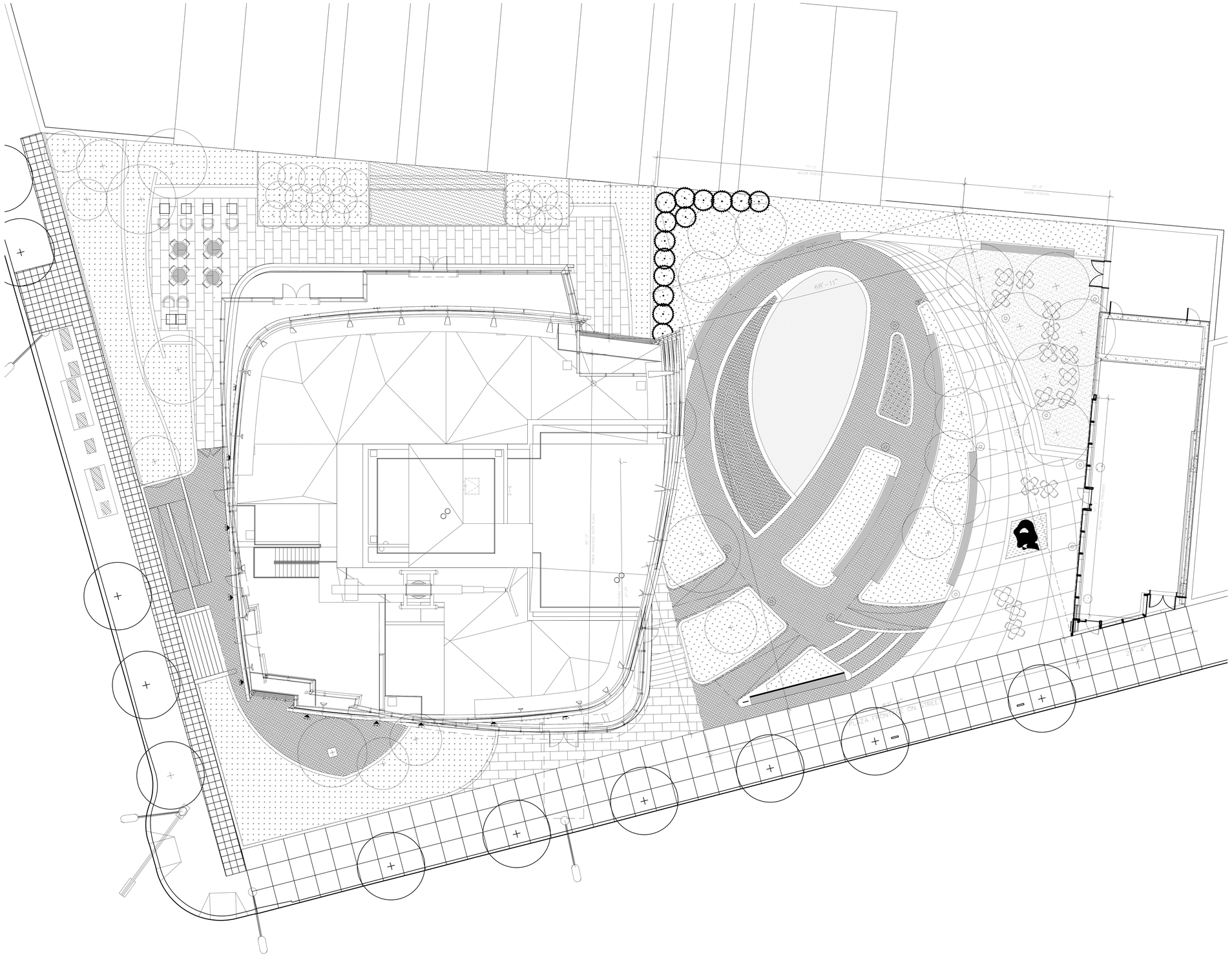
DWG TITLE:
TOWER CURTAIN WALL PANEL GEOMETRY

SEAL & SIGNATURE:
REGISTERED ARCHITECT
ISO STEPHEN T. GILL
OF NEW YORK

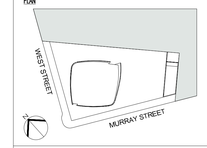
DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-093.00

DEPT OF BLDGS 122132110 Job Number

E500356000 Scan Code



KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

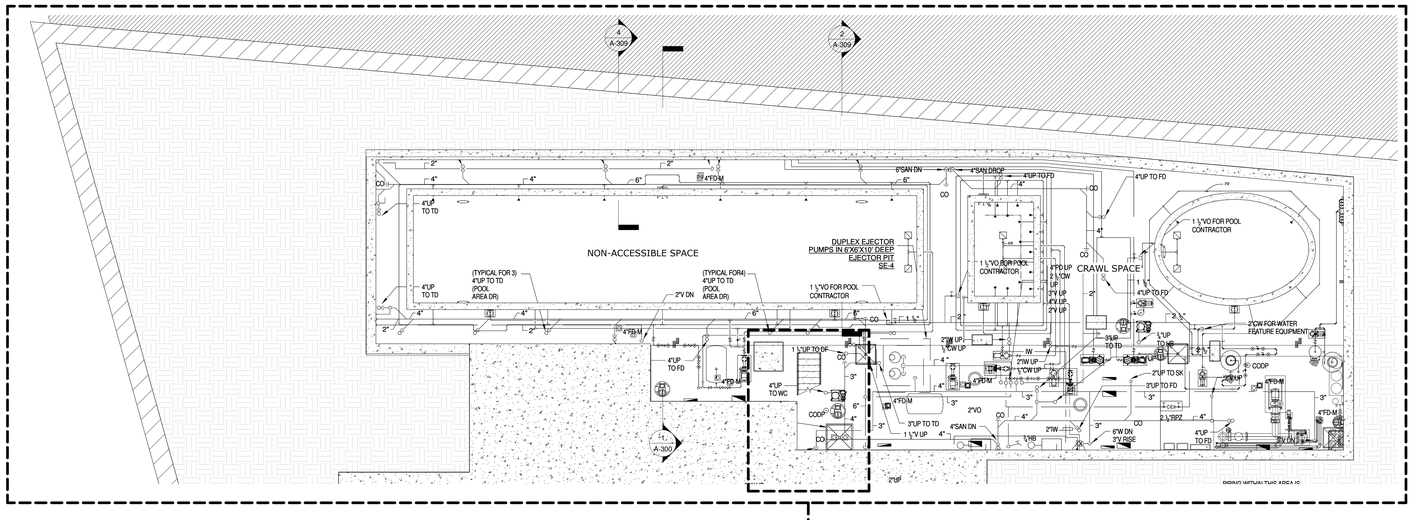
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

DWG TITLE:
ROOF SITE PLAN

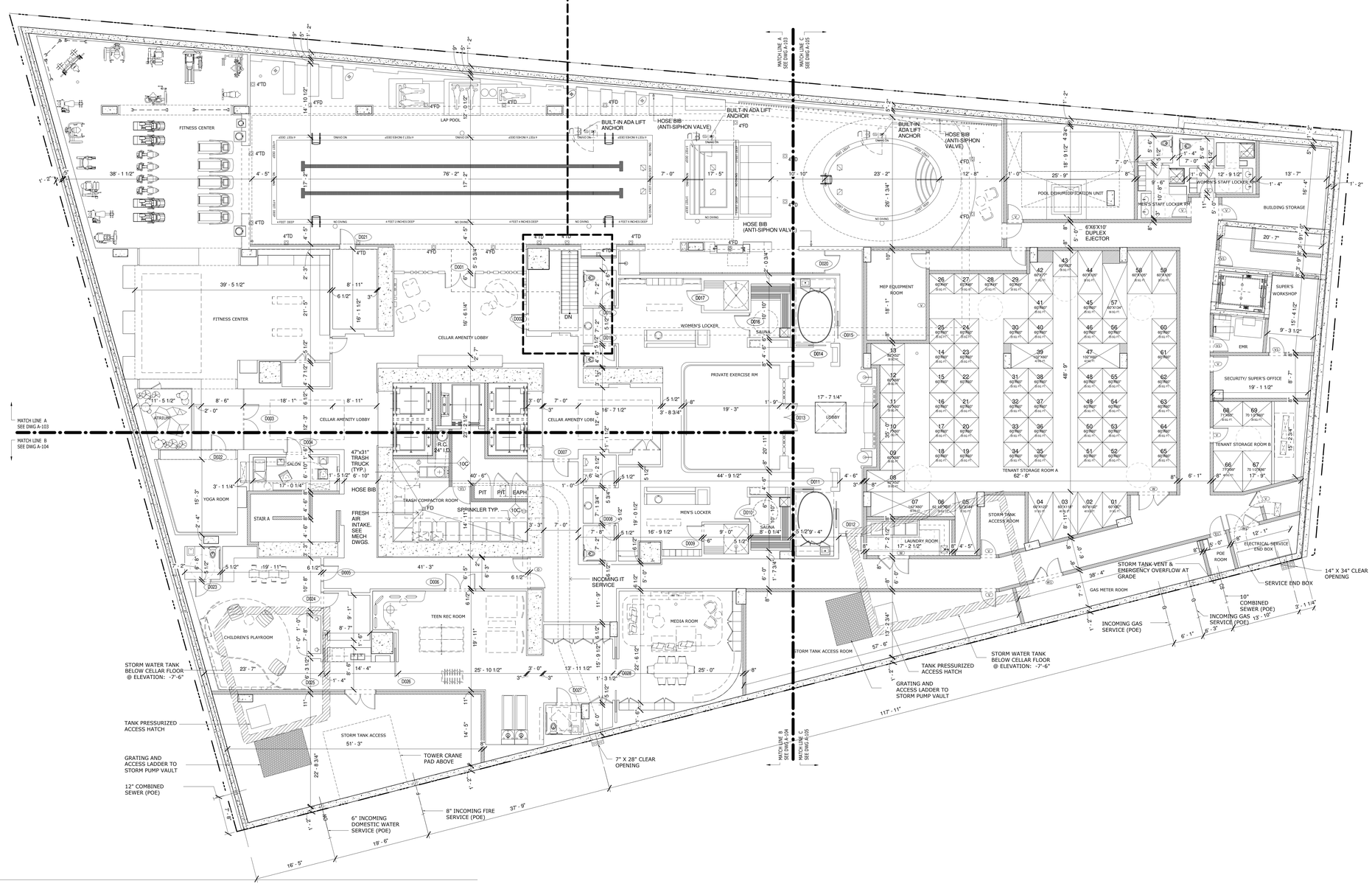
SEAL & SIGNATURE:
REGISTERED ARCHITECT
DO STEPHEN TU
No. 025004
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/8" = 1'-0"
DWG NO.	A-100.00

DEPT OF BLDGS 122132110 Job Number
E302968813US Scan Code

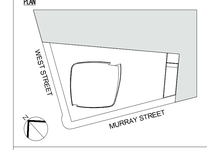


2 POOL EQUIPMENT ROOM
1/8" = 1'-0"



1 CELLAR AMENITY
1/8" = 1'-0"

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-0790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:

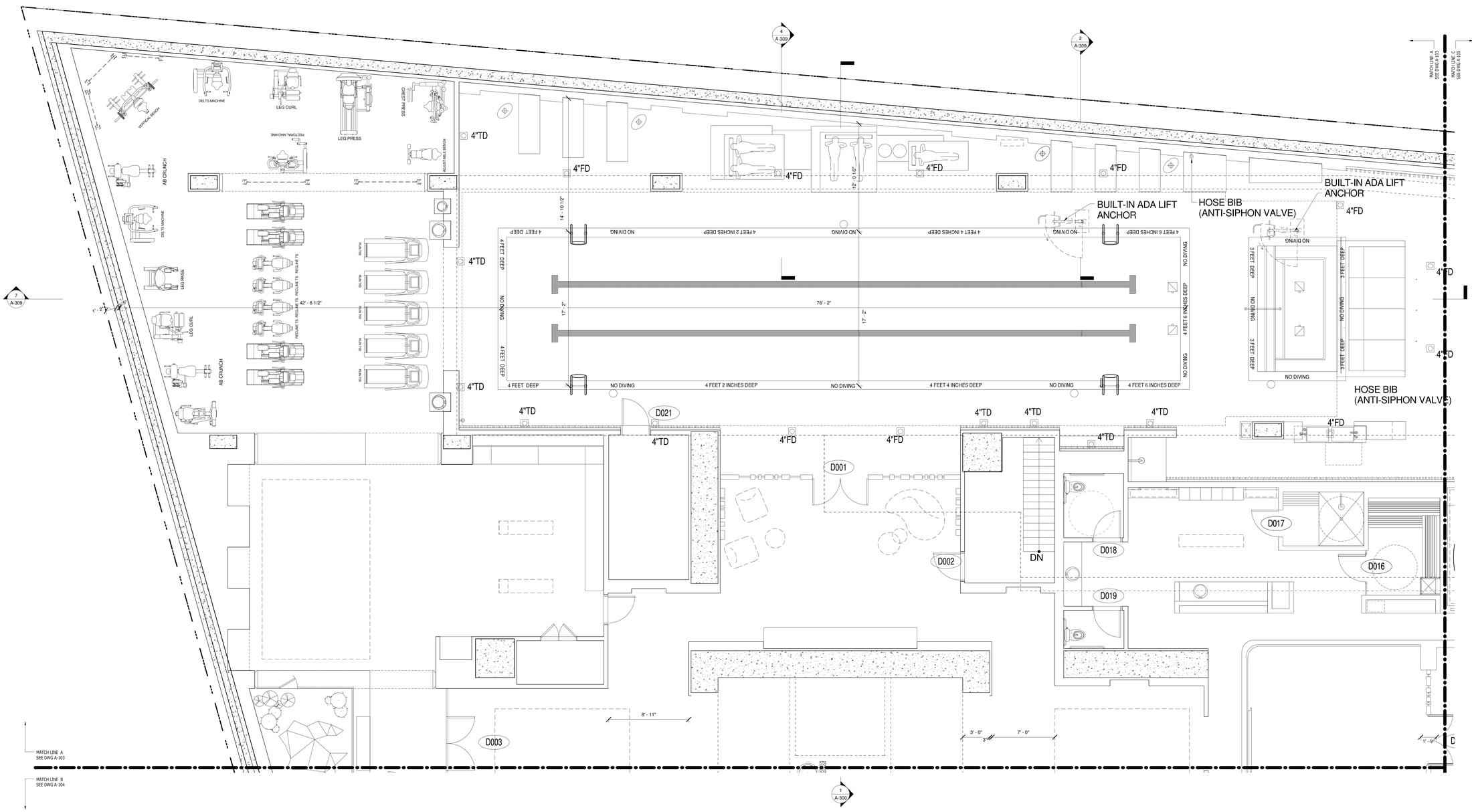
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
CELLAR FLOOR PLAN

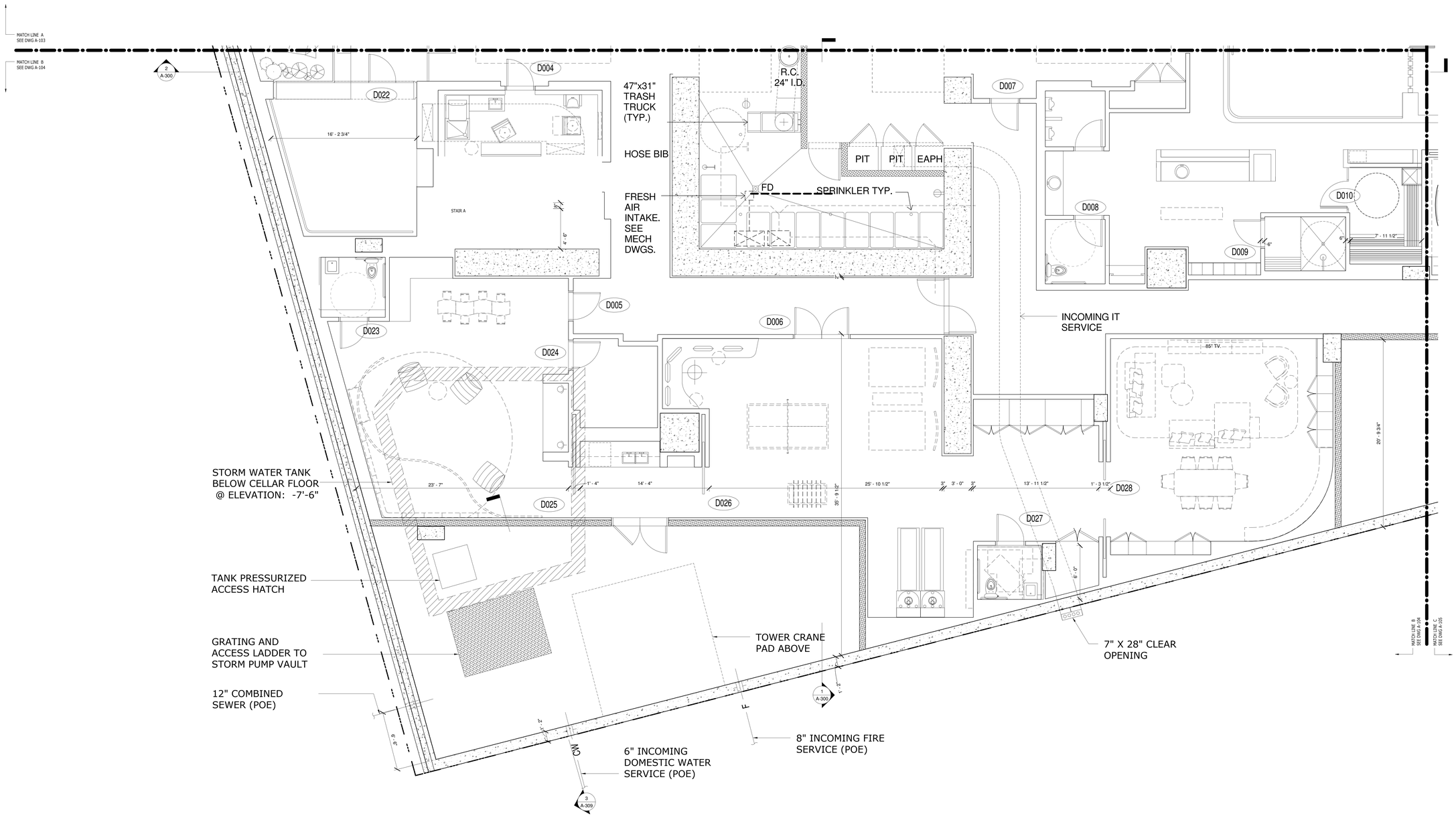
SEAL & SIGNATURE:
REGISTERED ARCHITECT
DAVID STEPHEN HILL
No. 026004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/8" = 1'-0"
A-102.00
DWG NO.

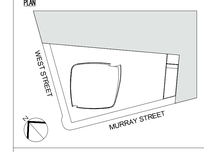
DEPT OF BLDGS 122132110 Job Number
E3870503099 Scan Code


4 A-309
2 A-309
7 A-309
1 A-300
MATCH LINE A SEE DWG A-103
MATCH LINE B SEE DWG A-104
MATCH LINE C SEE DWG A-105
VERTICAL BENCH
DELTS MACHINE
LEG CURL
LEG PRESS
CHEST PRESS
PECTORAL MACHINE
HORSE SADDLE ROW
AB CRUNCH
DELTS MACHINE
LEG RAISE
LEG CURL
AB CRUNCH
RECLINE TS
1' - 6"
42' - 6 1/2"
4"TD
4"FD
4"TD
4"TD
4"TD
4"FD
4"FD
4"FD
4"FD
4"TD
4"TD
4"TD
4"TD
4"TD
4"FD
4"FD
4"FD
4"TD
4"TD
4"TD
4"TD
4"TD
4"FD
4"FD
4"FD
4"F

DEPT OF BLDGS 122132110 Job Number
B/BP/DM/DOS Scan Code



KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

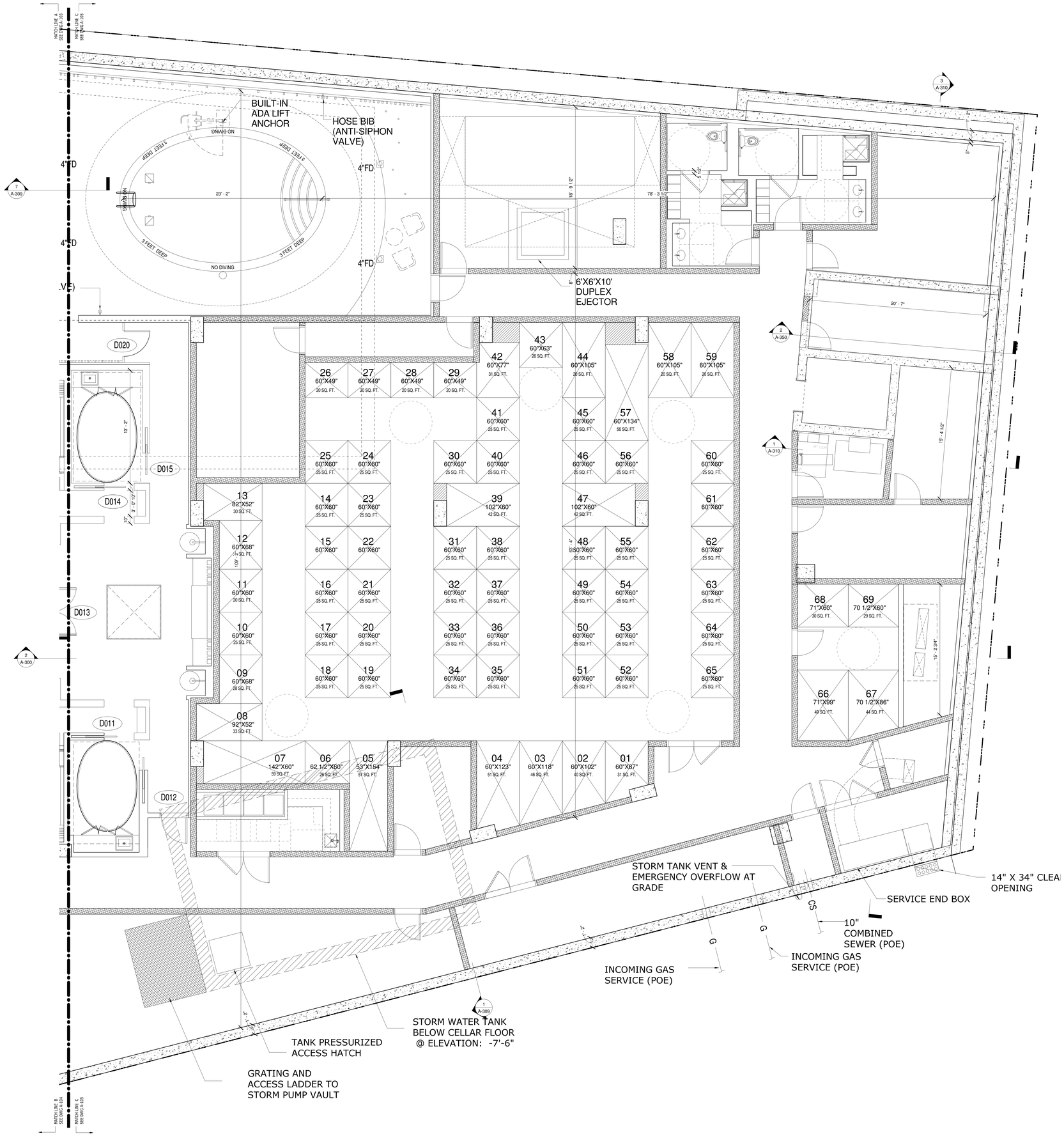
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
CELLAR PARTIAL FLOOR PLAN B

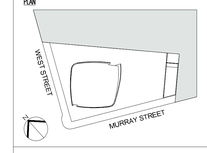
SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH TYLE
OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-104.00

DEPT OF BLDGS 122132110 Job Number
E5647.B07/04 Scan Code



KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

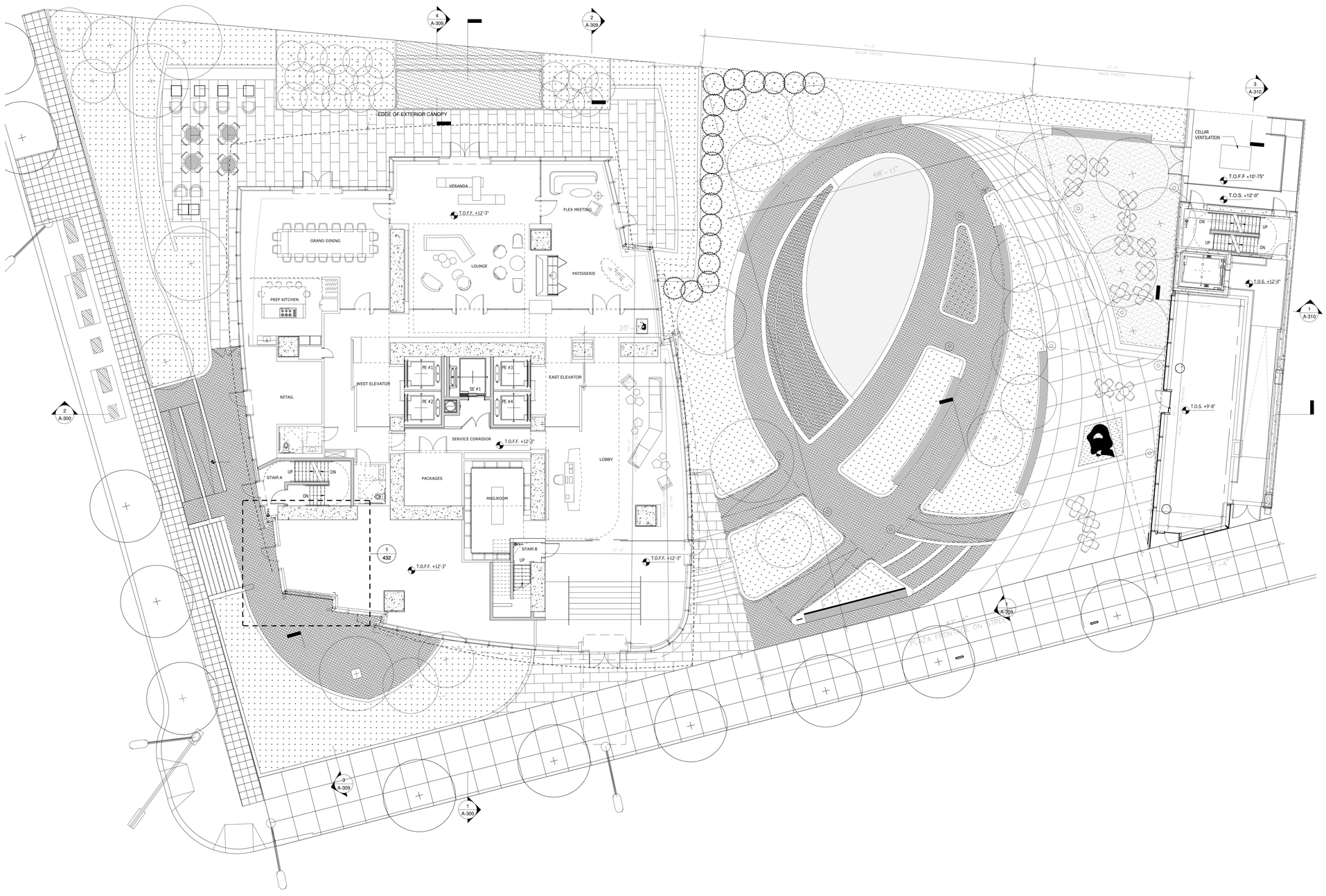
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

DWG TITLE:
CELLAR PARTIAL FLOOR PLAN C

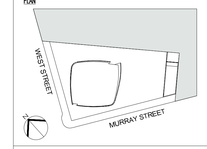
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN TY
No. 025004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/4" = 1'-0"
A-105.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E397506485 Scan Code



KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

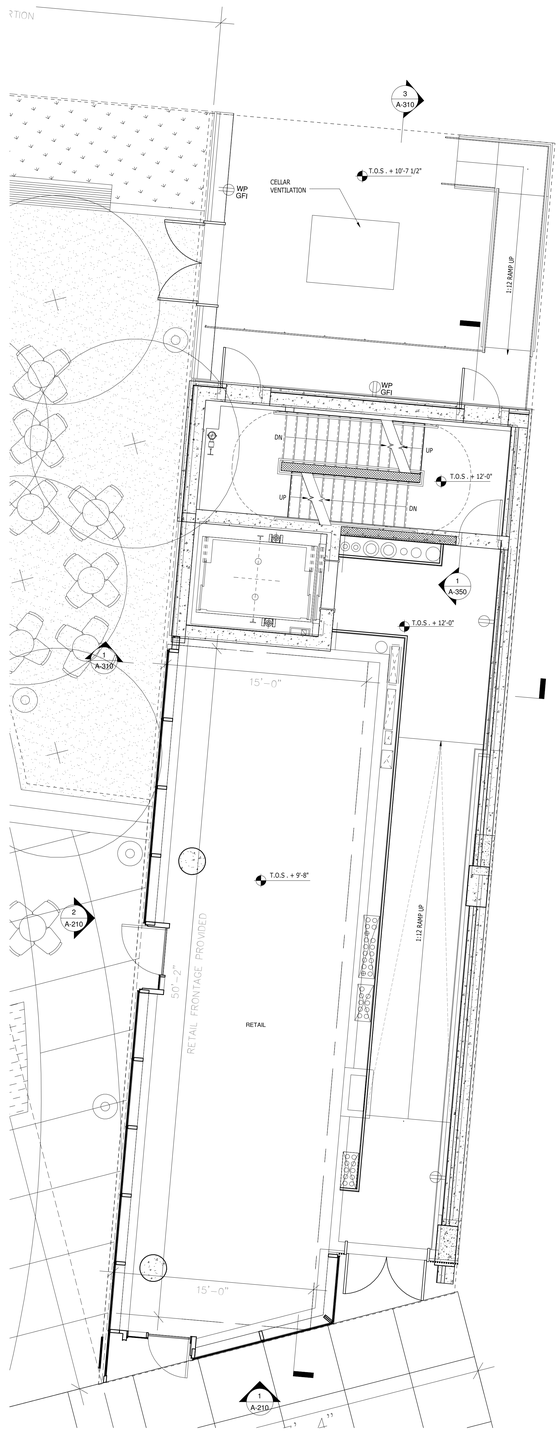
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

DWG TITLE:
GROUND FLOOR PLAN

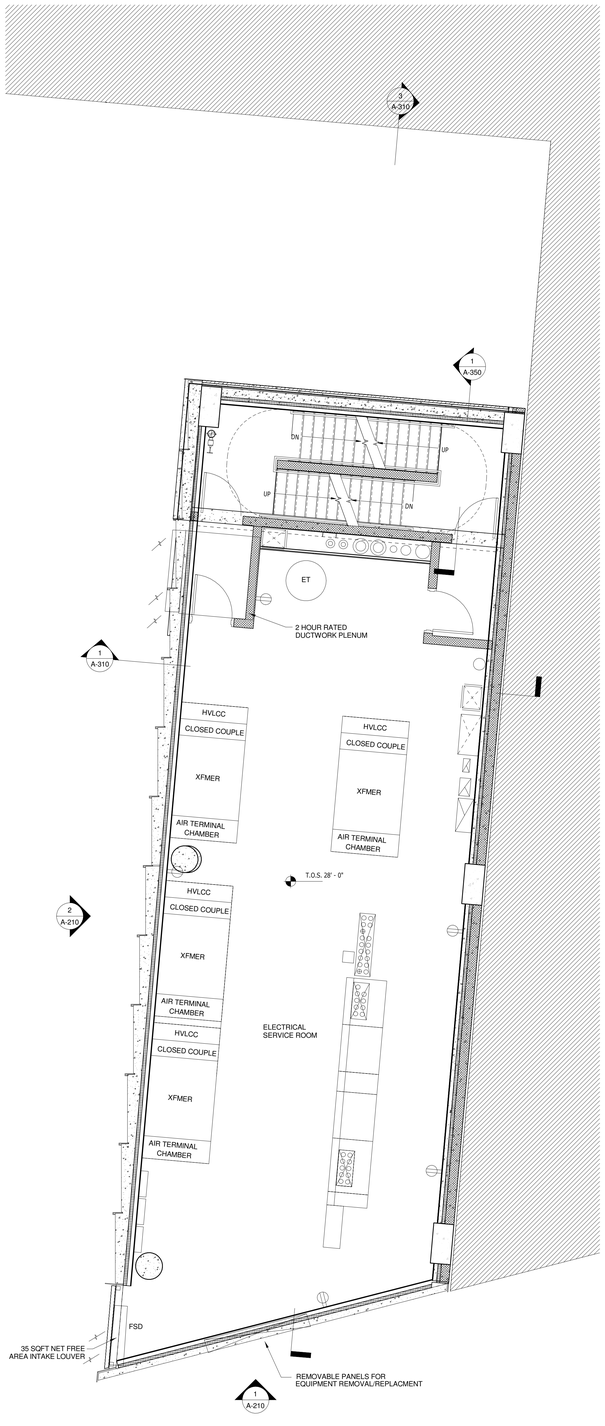
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN TILL
No. 025004
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/8" = 1'-0"
DWG NO.	A-106.00

DEPT OF BLDGS 122132110 Job Number
B2P7650003SI Scan Code

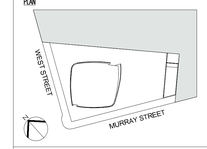


1 PAVILION RETAIL @ GROUND FLOOR
1/4" = 1'-0"



2 PAVILION 2ND FLOOR (MEP ROOM)
1/4" = 1'-0"

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

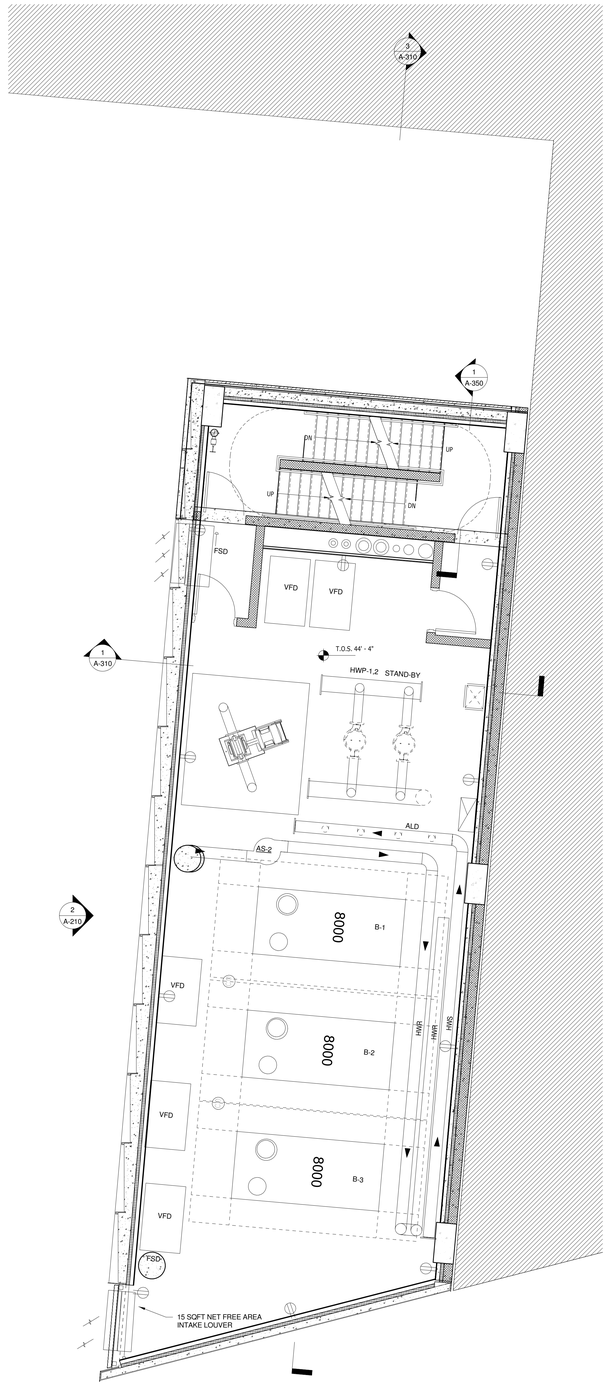
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

DWG TITLE:
PAVILION FLOOR PLAN (GROUND & 2ND)

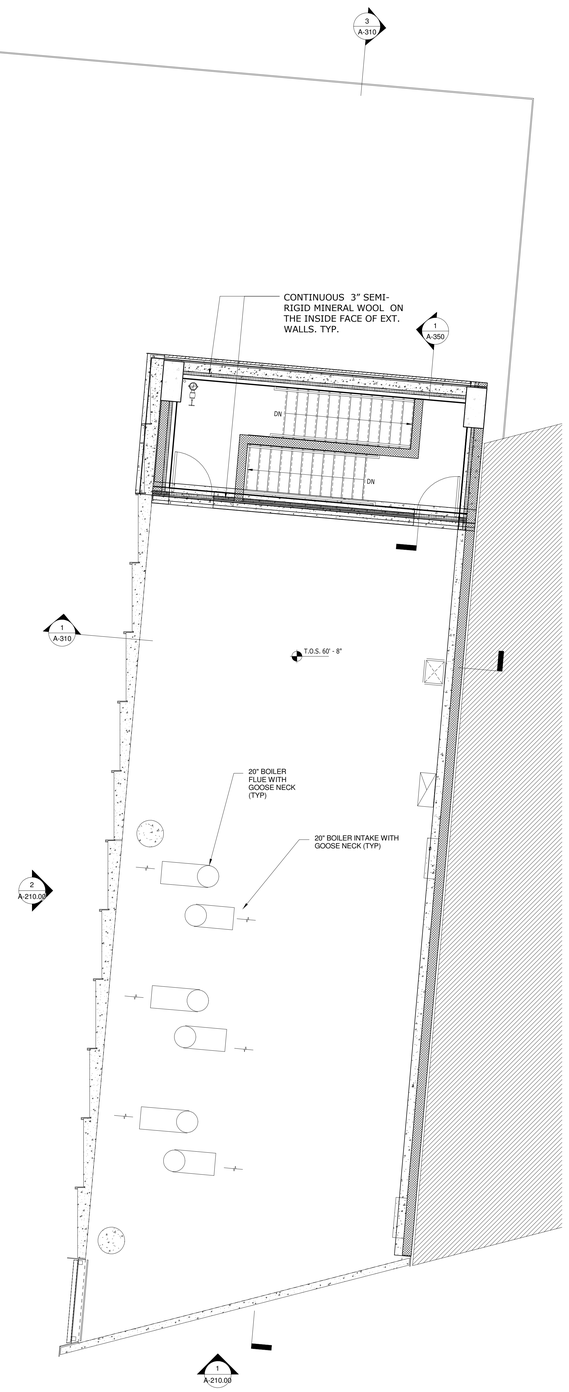
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. YU
026004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/4" = 1'-0"
DWG NO. A-107.00

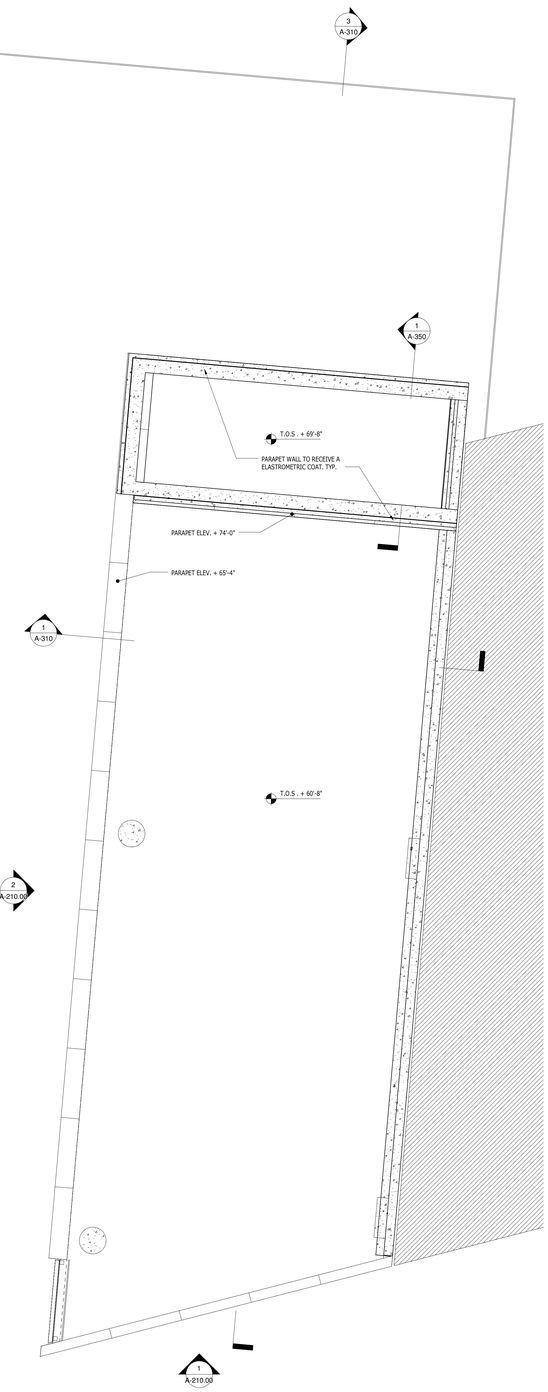
DEPT OF BLDGS 122132110 Job Number
E3894652BKTB Scan Code



1 PAVILION 3RD FLOOR (MEP ROOM)
1/4" = 1'-0"

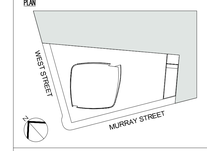


2 PAVILION ROOF
1/4" = 1'-0"



3 PAVILION BULKHEAD ROOF
1/4" = 1'-0"

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.0108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

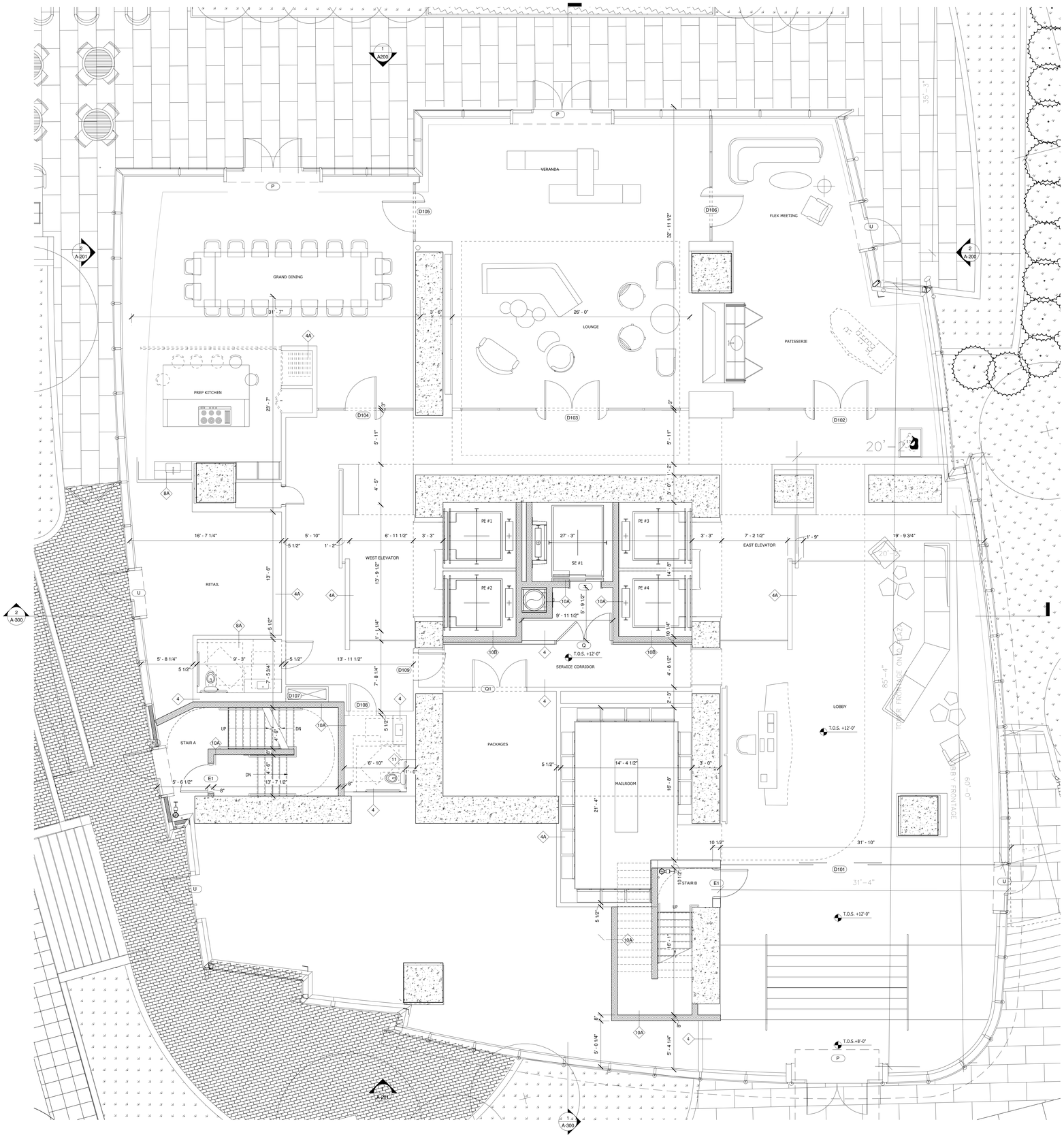
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
PAVILION (3RD & ROOF & BULKHEAD)

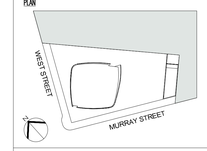
SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH STEPHEN HILL
No. 025054
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/4" = 1'-0"
DWG NO. A-108.00

DEPT OF BLDGS 122132110 Job Number
ES4006912DM Scan Code



KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

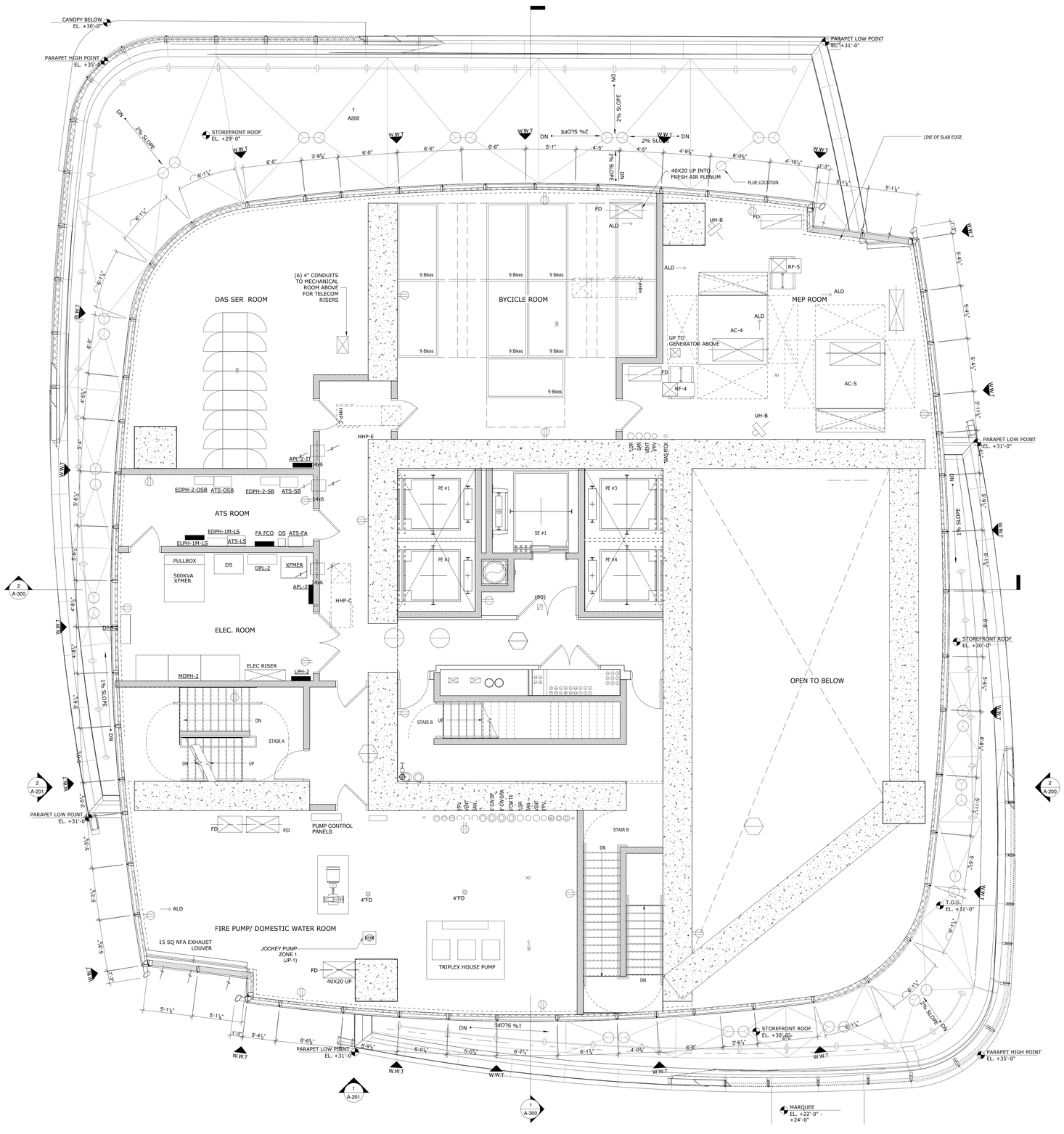
DWG TITLE:
TOWER GROUND FLOOR PLAN

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN M. HILL
No. 026004
STATE OF NEW YORK

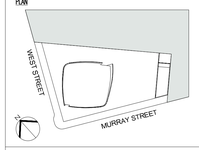
DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/4" = 1'-0"

A-109.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E5519791330 Scan Code



KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

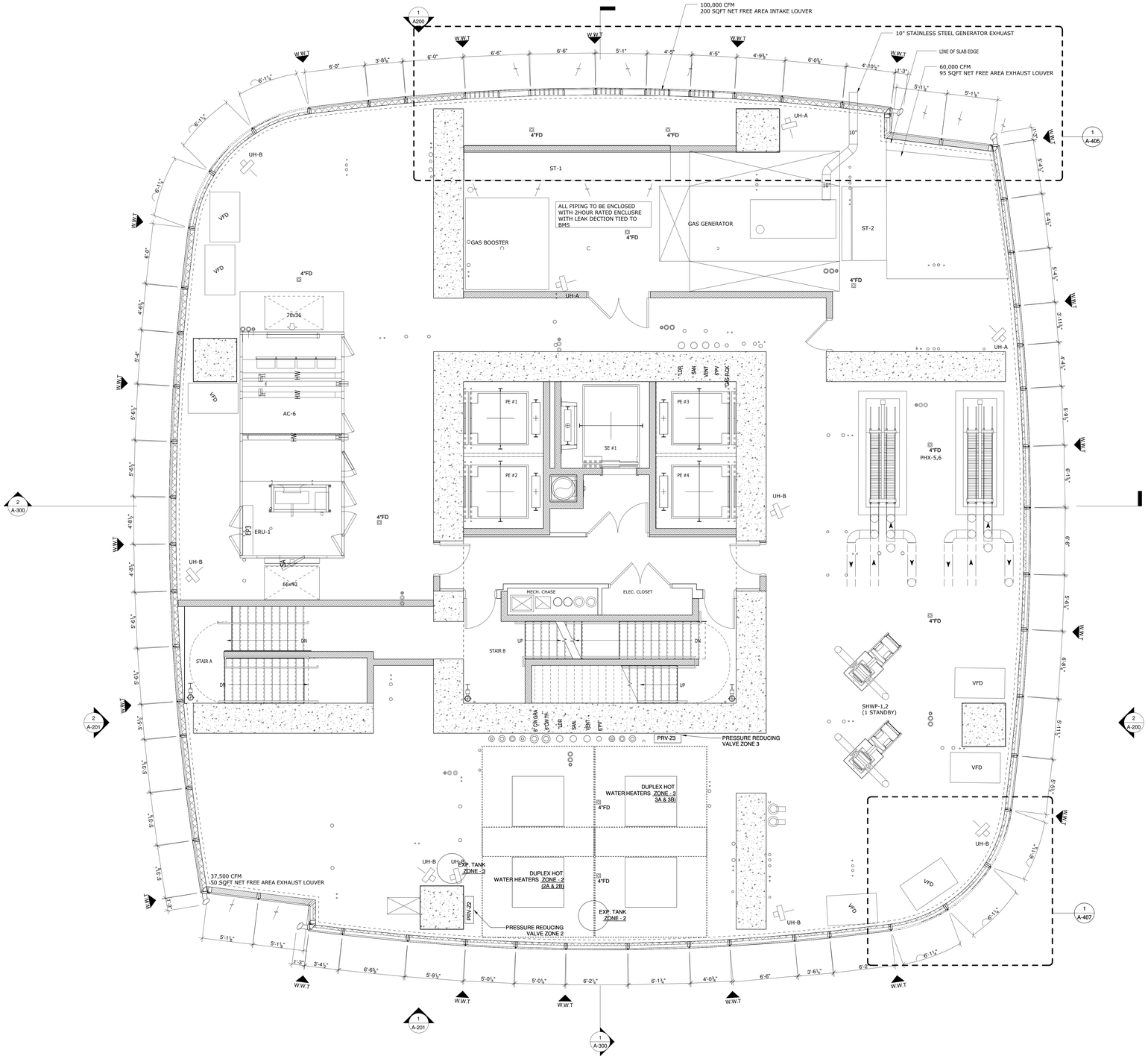
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
2ND FLOOR PLAN (BICYCLE STORAGE ROOM/MECHANICAL)

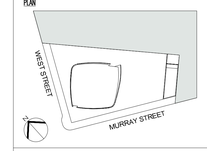
SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN WEST
No. 028094
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-111.00

DEPT OF BLDGS 421323.00 Job Number
B1400021250 Scan Code



KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
3RD FLOOR MECHANICAL

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN HILL
No. 029884
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/4" = 1'-0"
DWG NO. A-112.00

DEPT OF BLDGS 122132110 Job Number
B1002250088 Scan Code

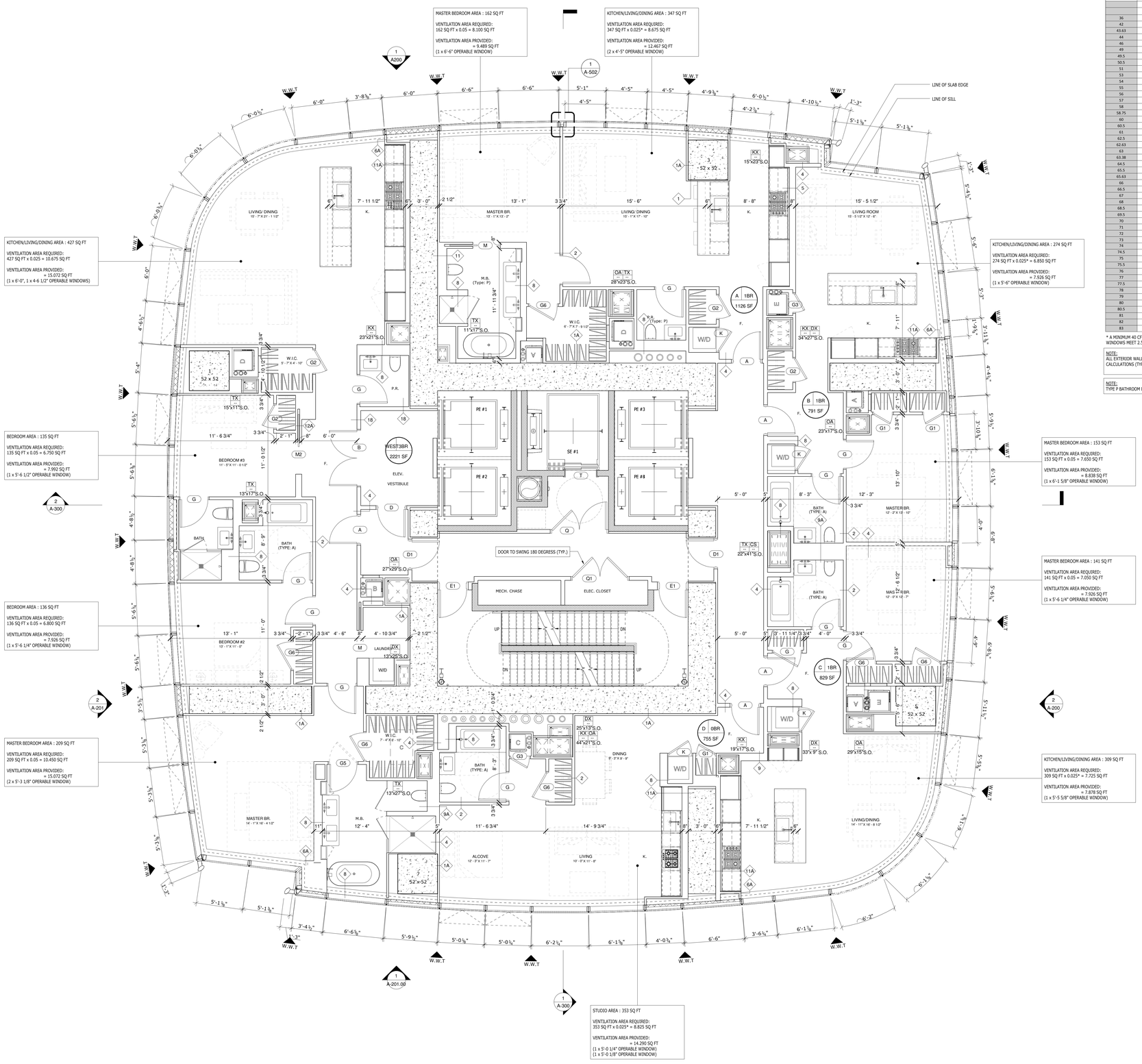


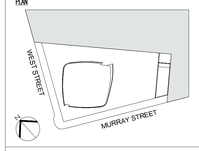
TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)					
WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

NOTE:
TYPE P BATHROOM DENOTES AN APPEDIX P BATHROOM TYPE (TYP.)

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473 0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 1 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
4TH - 11TH FLOOR PLAN

SEAL & SIGNATURE:
REGISTERED ARCHITECT
DAVID STEPHEN HILL
OF NEW YORK

DATE:	**09/15/14**
PROJECT #:	**13A26**
SCALE:	**1/4" = 1'-0"**
	A-113.00
DWG NO.	

DEPT OF BLDGS 122132110 Job Number
B3055052940 Scan Code

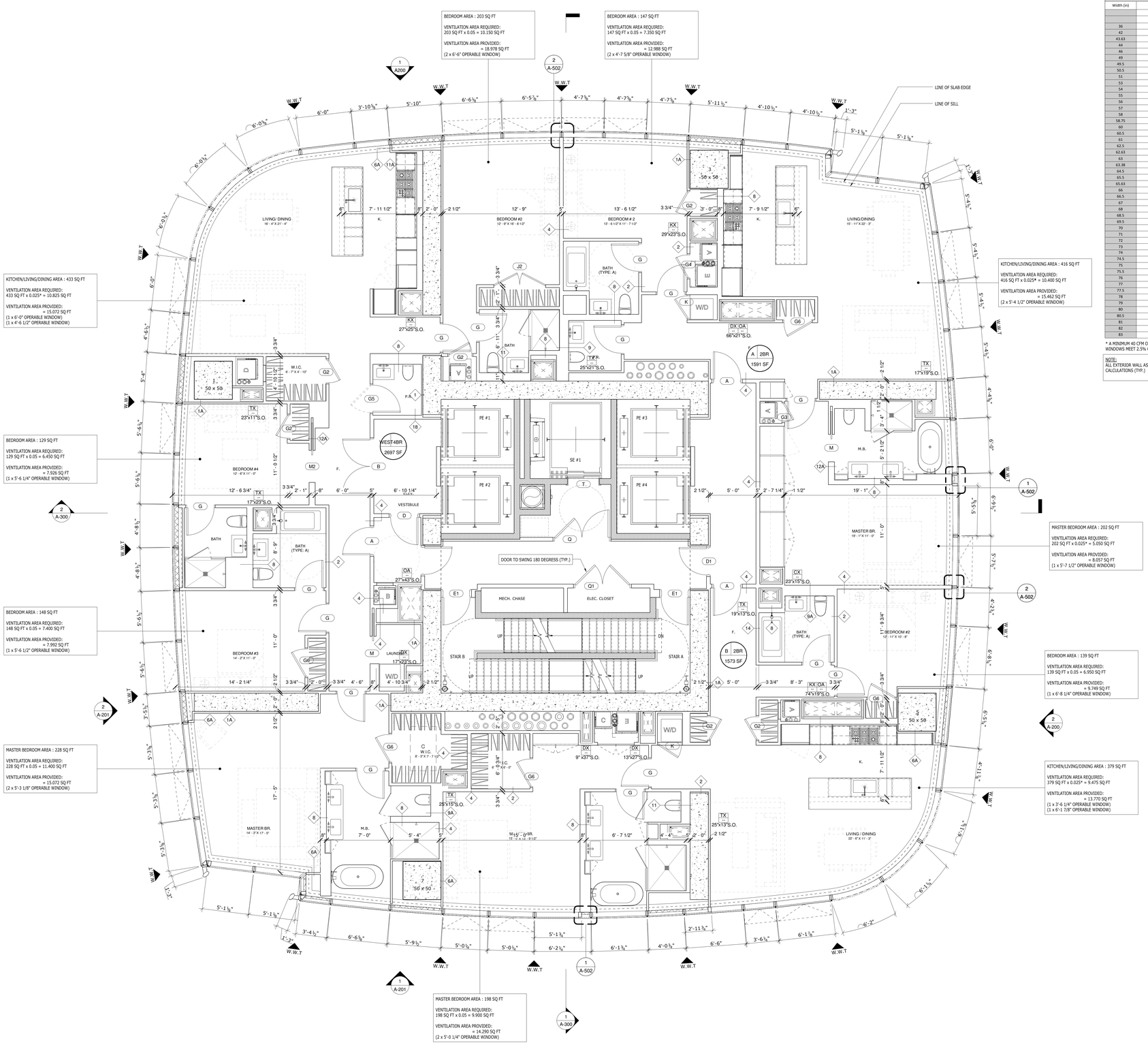
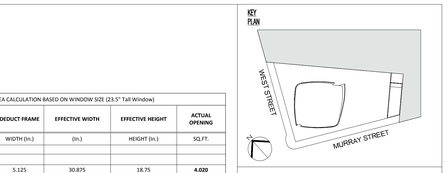


TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)					
WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 1 of 1975
Date: 09/30/2015
NYC Development Hub

DWG TITLE:
12TH FLOOR PLAN

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. YEE
025004
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-121.00

DEPT OF BLDGS 122132110 Job Number
E5322317955 Scan Code

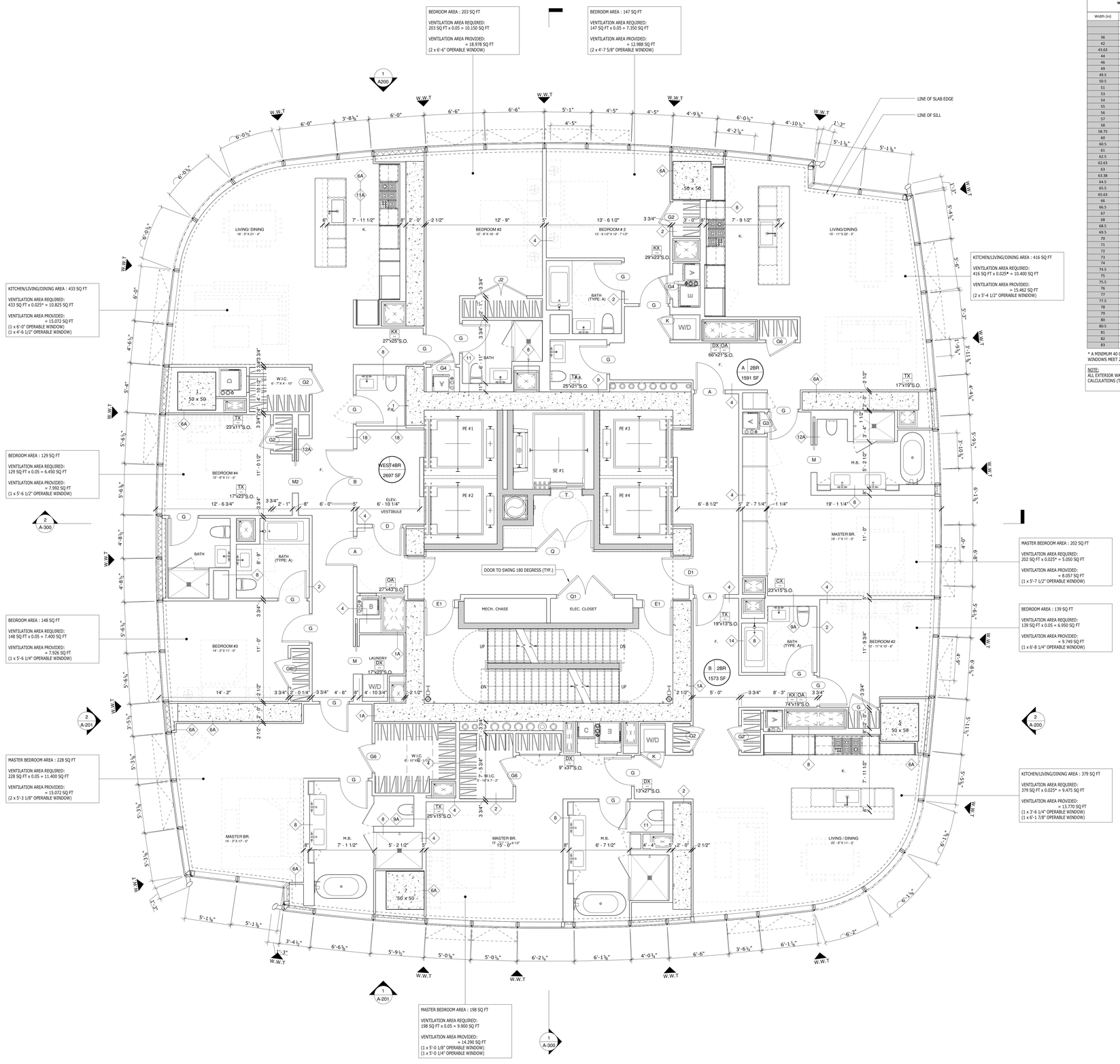
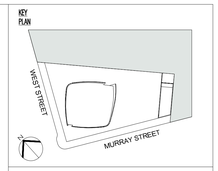


TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)					
WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

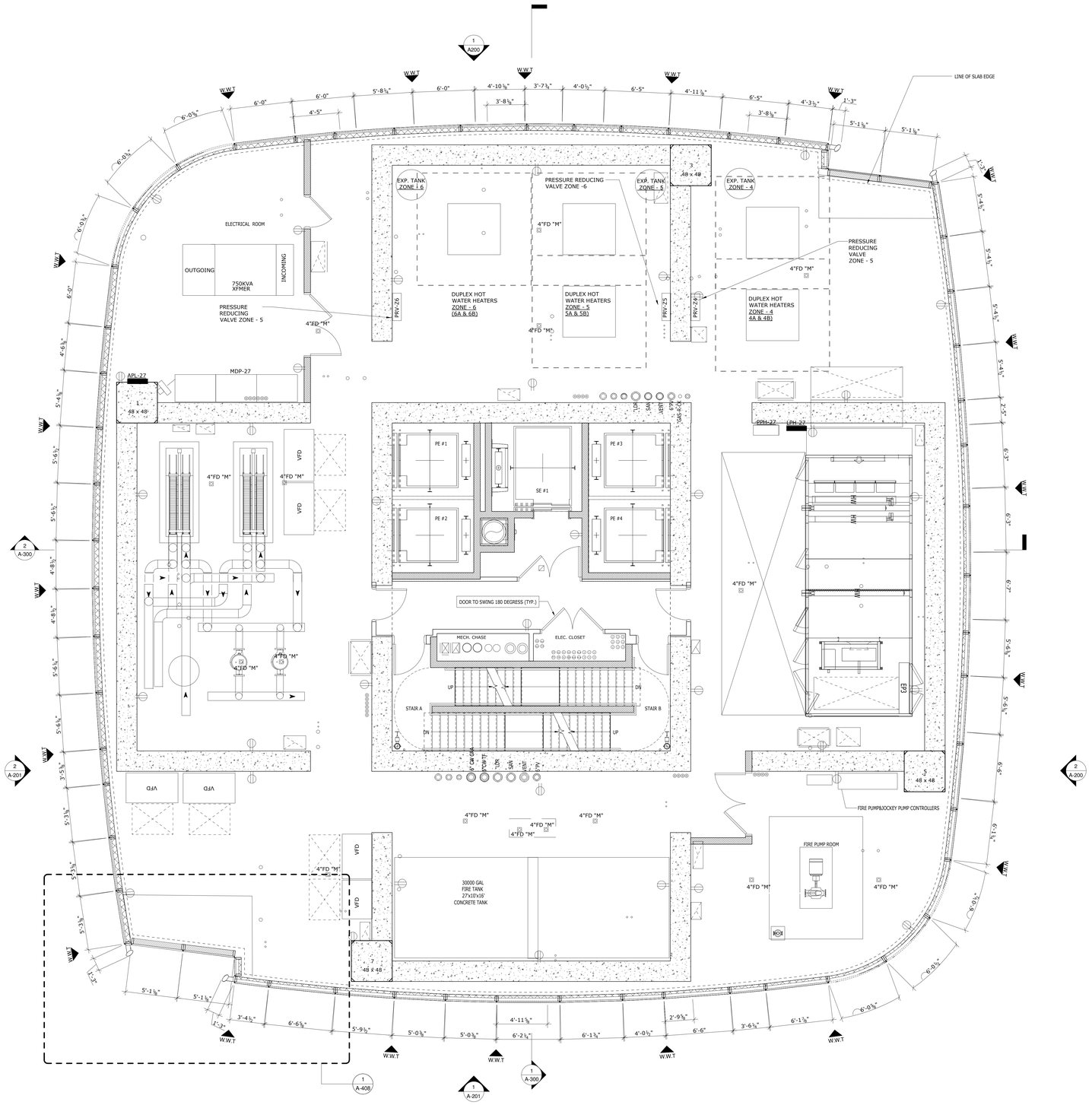
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

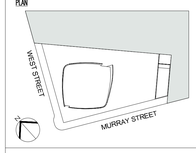
DWG TITLE:
13TH -26TH FLOOR PLAN

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOS STEPHEN HILL
OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-122.00

DEPT OF BLDGS 122132110 Job Number
E5702649F/49 Scan Code





3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
27TH FLOOR (MECHANICAL) T.O.S.

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN TILLY
028003
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-136.00

DEPT OF BLDGS 122132110 Job Number
E3413994566 Scan Code

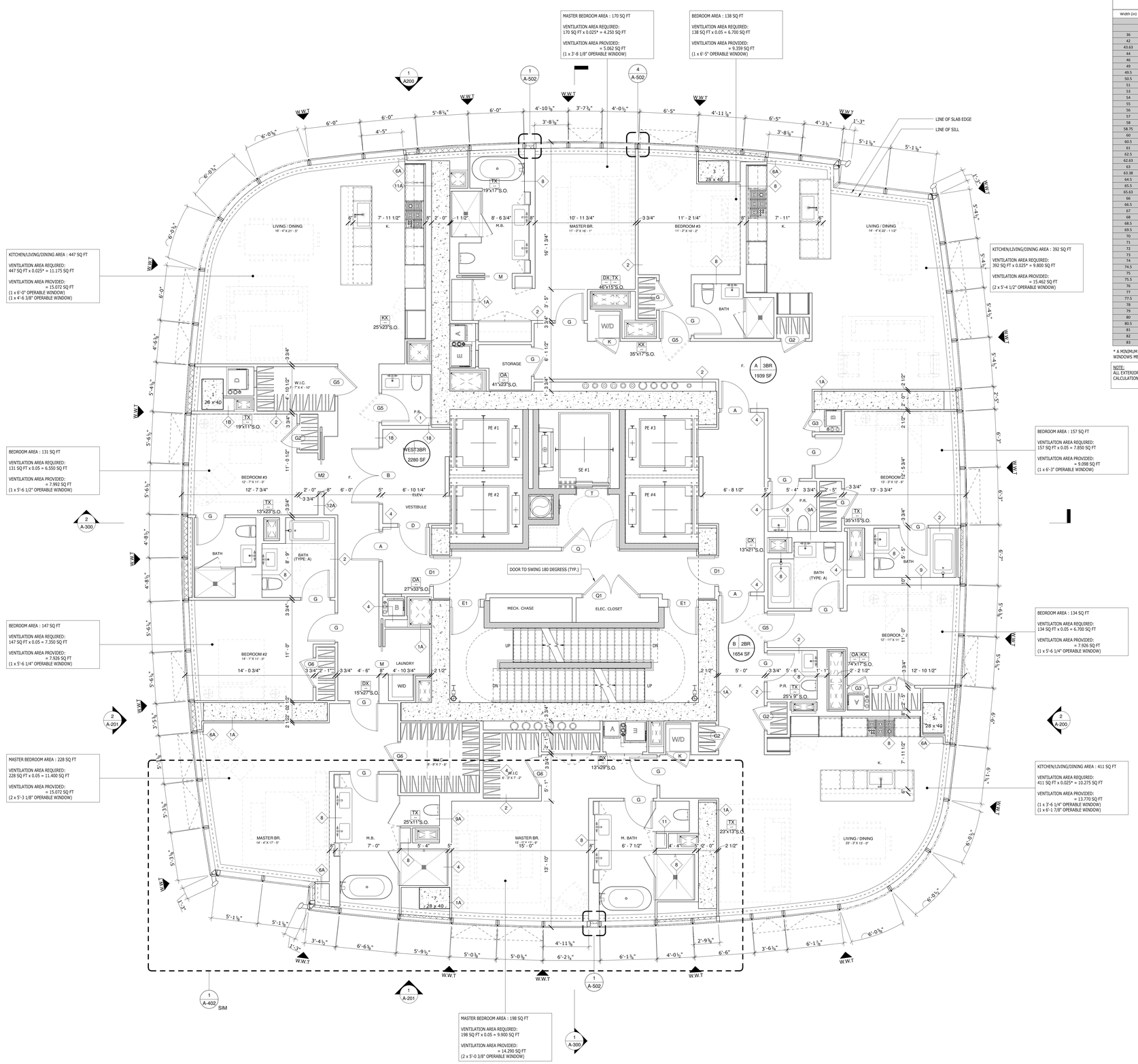


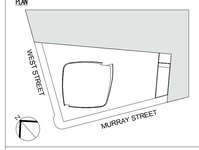
TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)

WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/09/2015
NYC Development Hub

DWG TITLE:
28TH-38TH FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. Y.
025004
STATE OF NEW YORK

DATE:	**09/15/14**
PROJECT #:	**13A26**
SCALE:	**1/4" = 1'-0"**
	A-138.00
DWG NO.	

DEPT OF BLDGS 122132110 Job Number
E3370908995 Scan Code

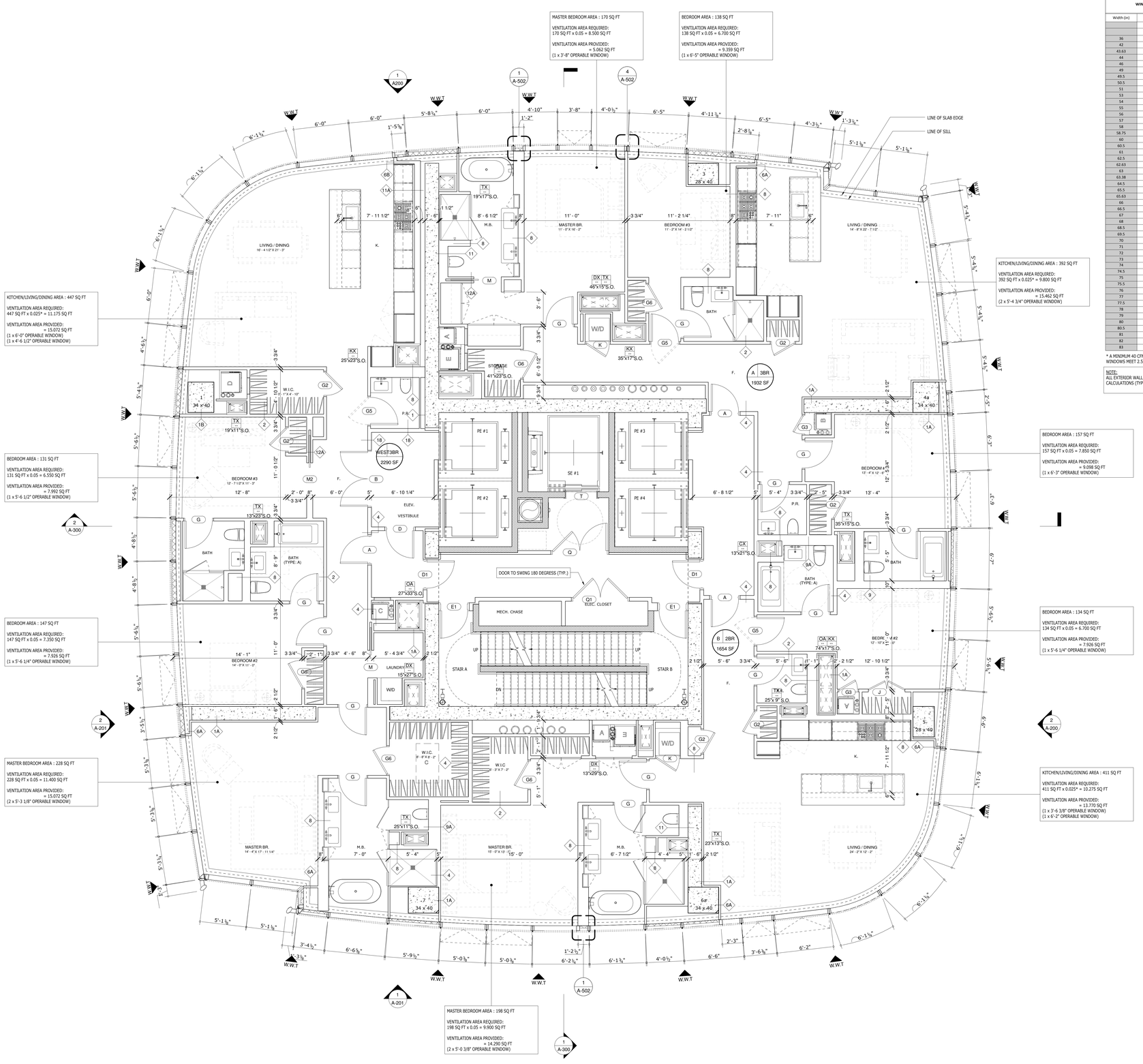
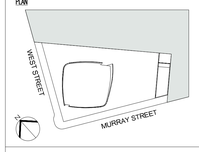


TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)					
WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
39TH FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOS STEPHEN HILL
OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-149.00

DEPT OF BLDGS 321323.10 Job Number
ES#3007762025 Scan Code

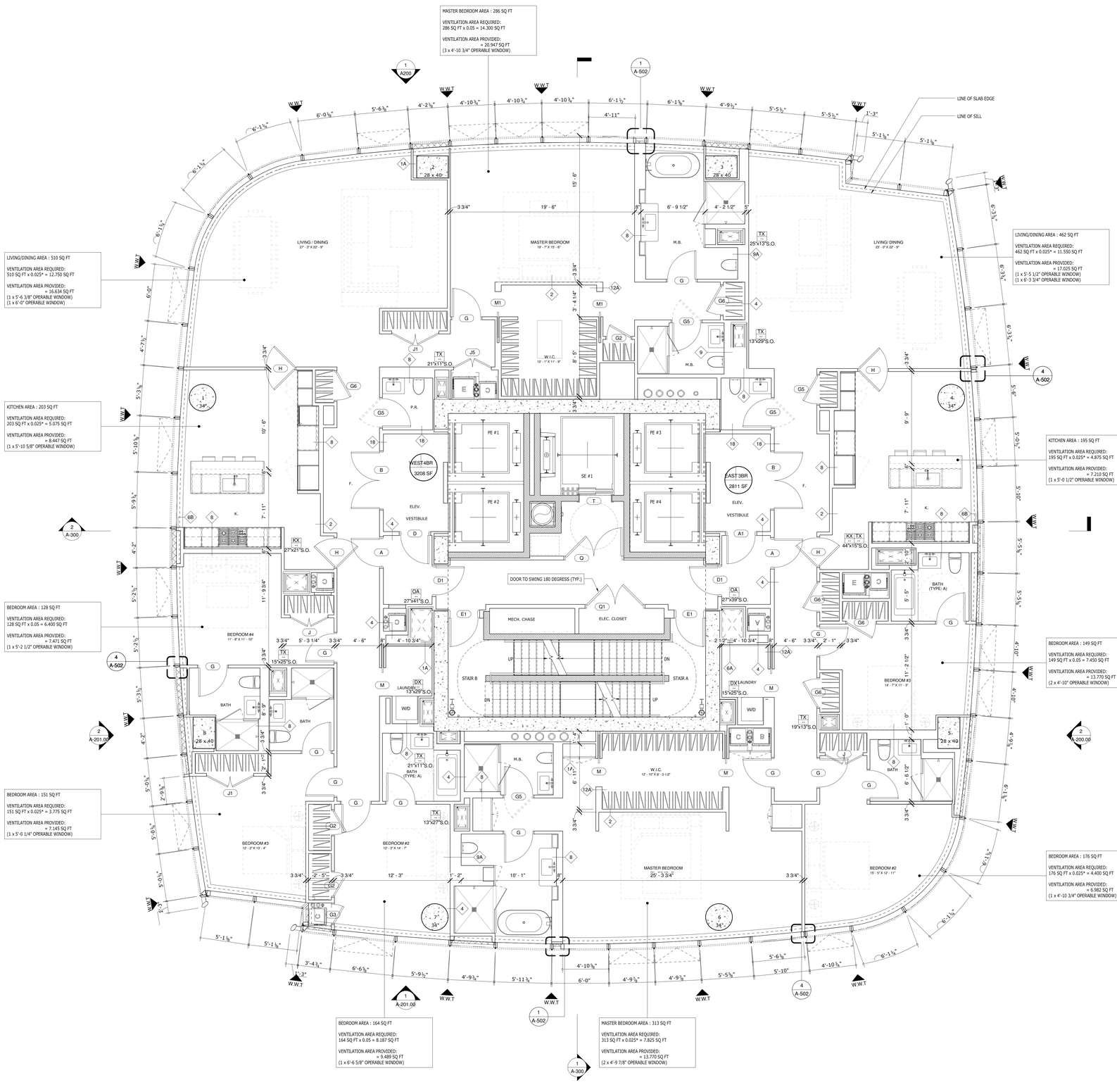
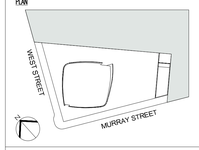


TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)					
WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
40TH FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
DAVID STEPHEN HILL
No. 025094
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/4" = 1'-0"
DWG NO. A-150.00

DEPT OF BLDGS 122132110 Job Number
B30408899030 Scan Code

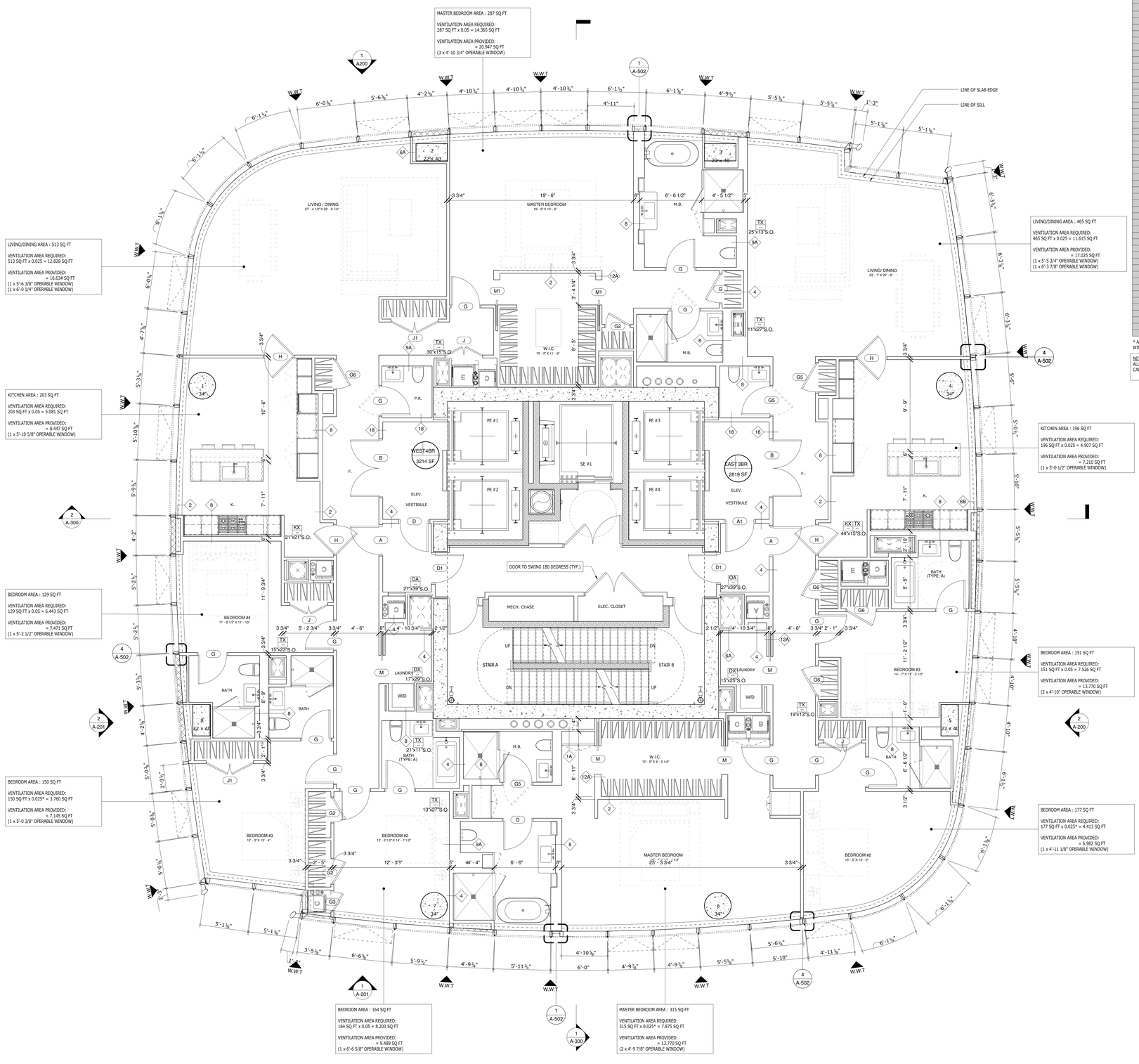
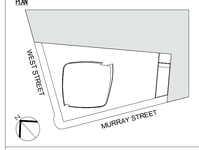


TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)					
WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2*	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2*	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8*	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8*	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2*	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2*	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8*	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
41ST FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN HILL
No. 020094
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-151.00

DEPT OF BLDGS 122132110 Job Number
B1609706025L Scan Code

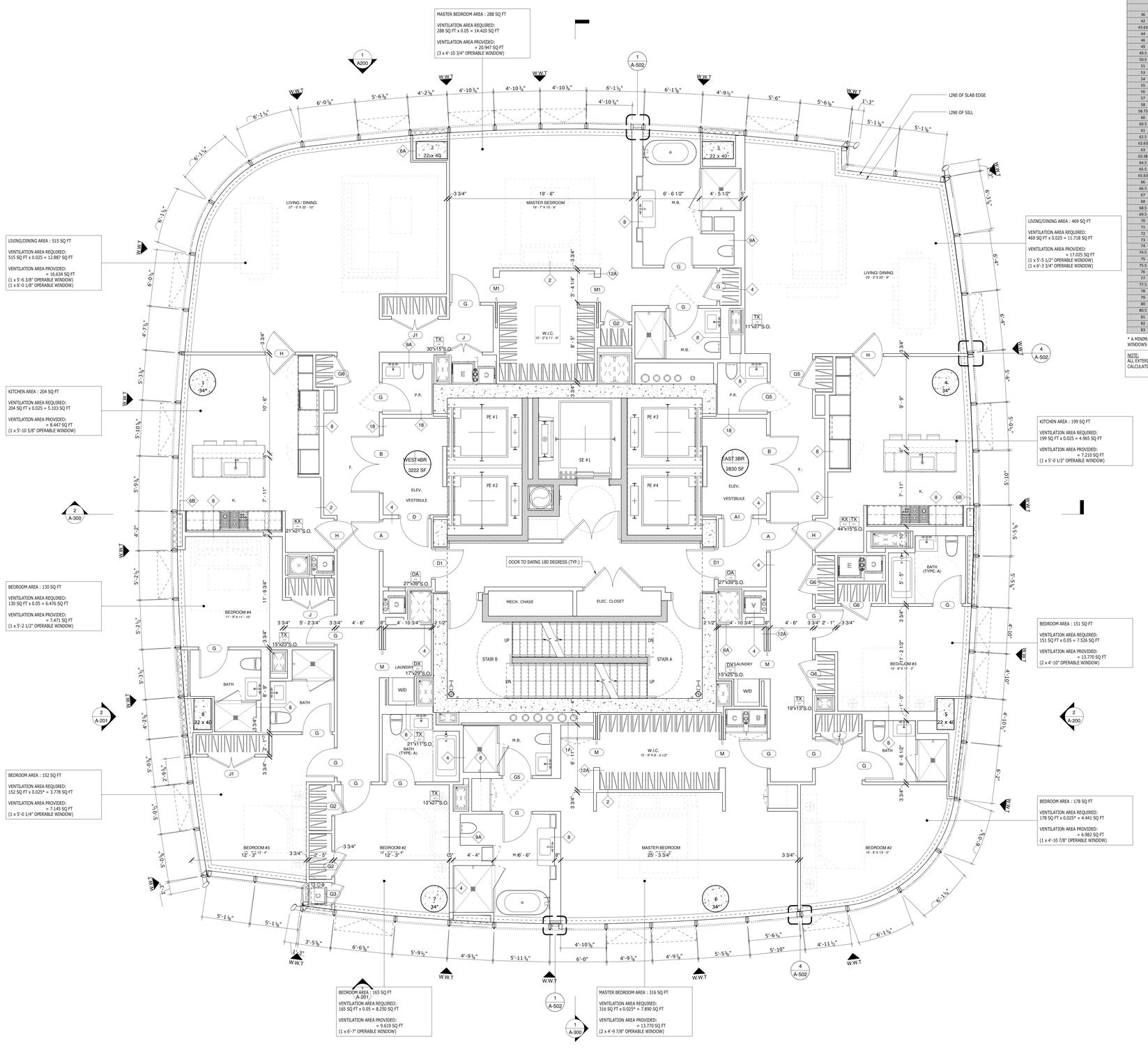
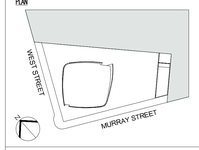


TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)					
WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/10/2015
NYC Development Hub

DWG TITLE:
42ND FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN HILL
No. 020504
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-152.00

DEPT OF BLDGS 122132110 Job Number
E302563M069 Scan Code

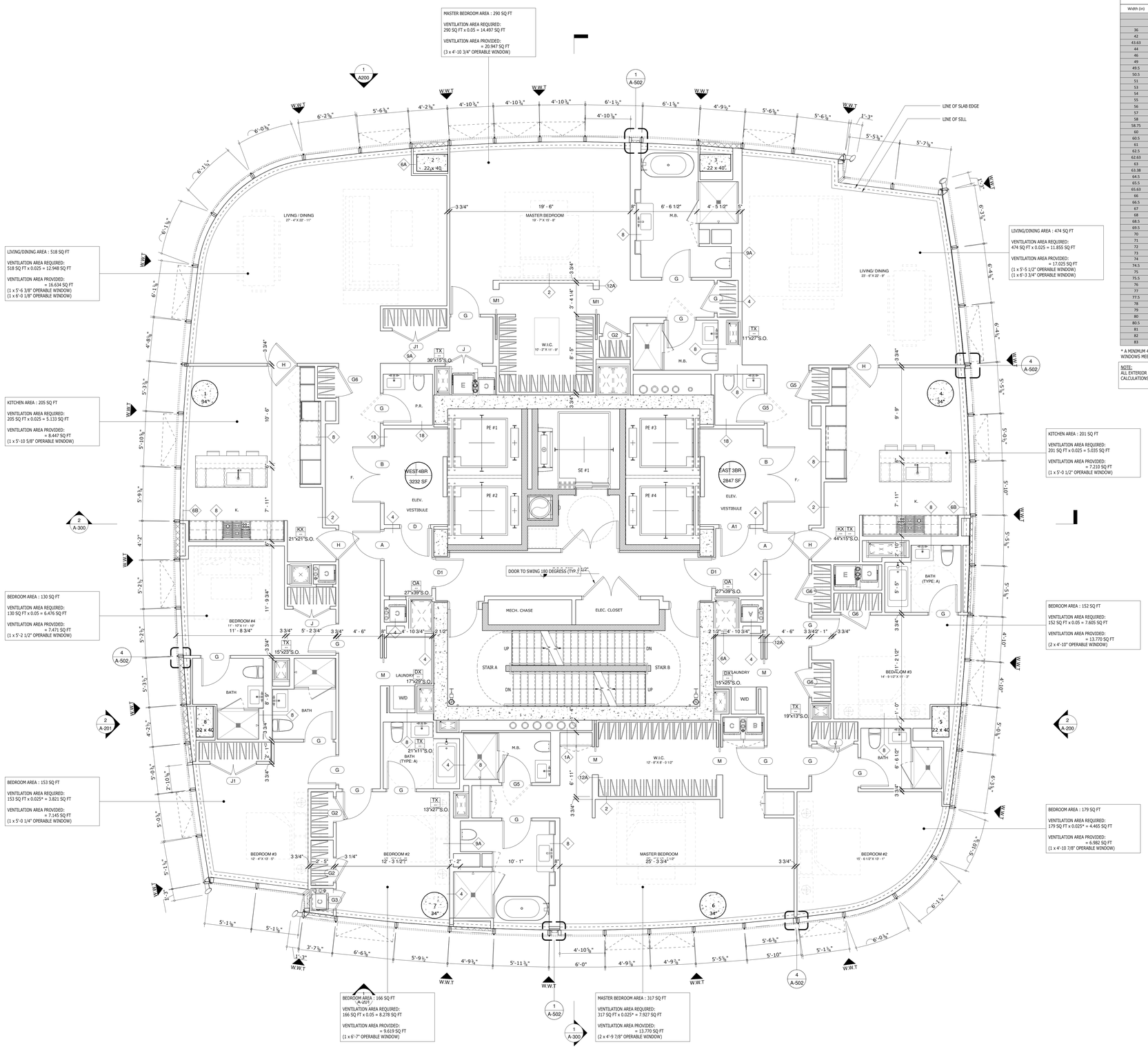
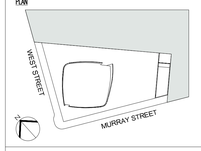


TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)					
WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.0108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
43RD FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH STEPHEN HILL
No. 025054
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/4" = 1'-0"
DWG NO. A-153.00

DEPT OF BLDGS 122132110 Job Number
E-DOB-BIS-000185 Scan Code

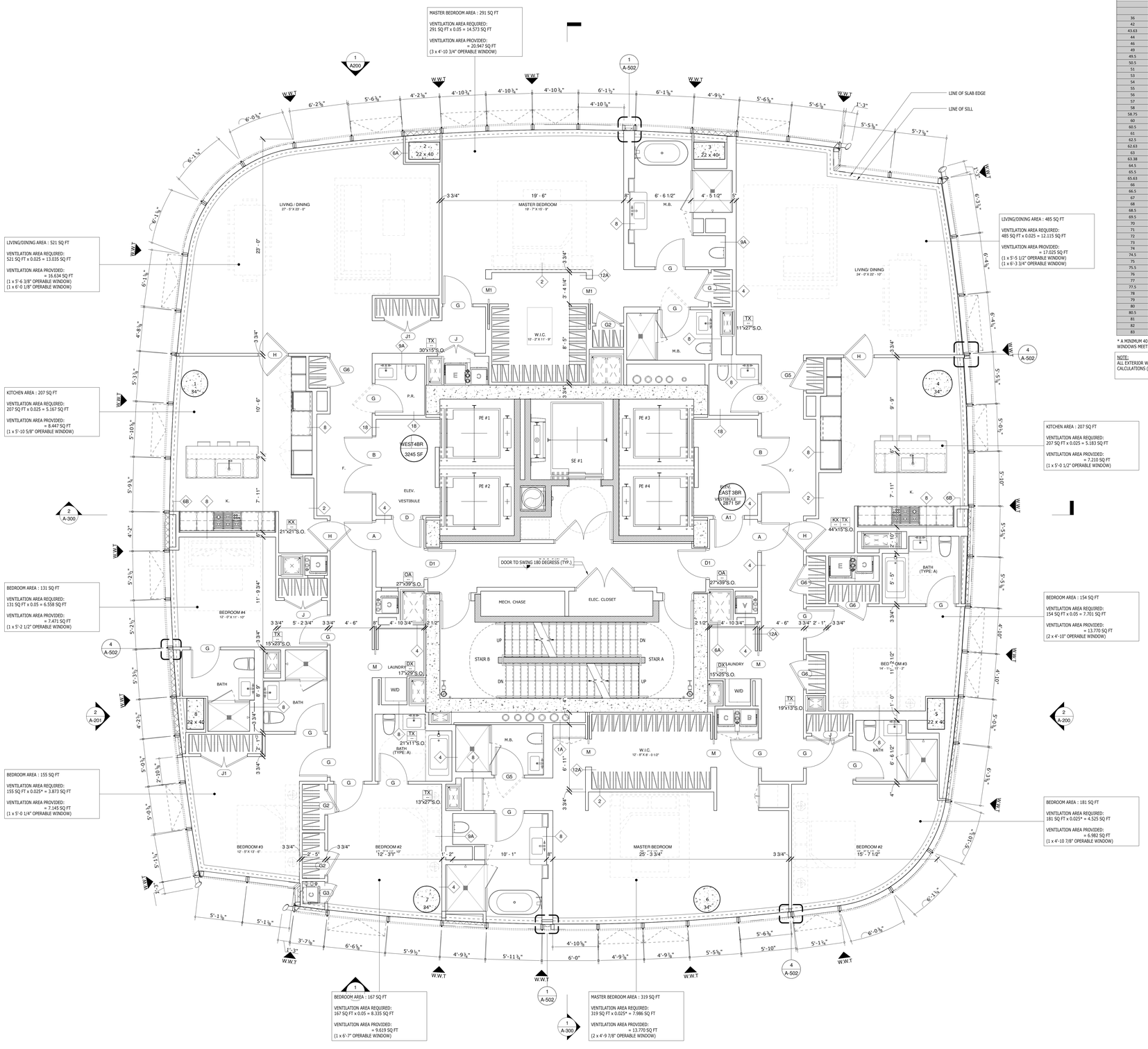
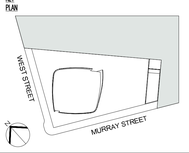


TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)					
WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2*	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2*	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8*	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8*	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2*	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2*	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8*	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/10/2015
NYC Development Hub

DWG TITLE:
44TH FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN TILL
No. 028004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/4" = 1'-0"
DWG NO. A-154.00

DEPT OF BLDGS 122132110 Job Number
E366953018TS Scan Code

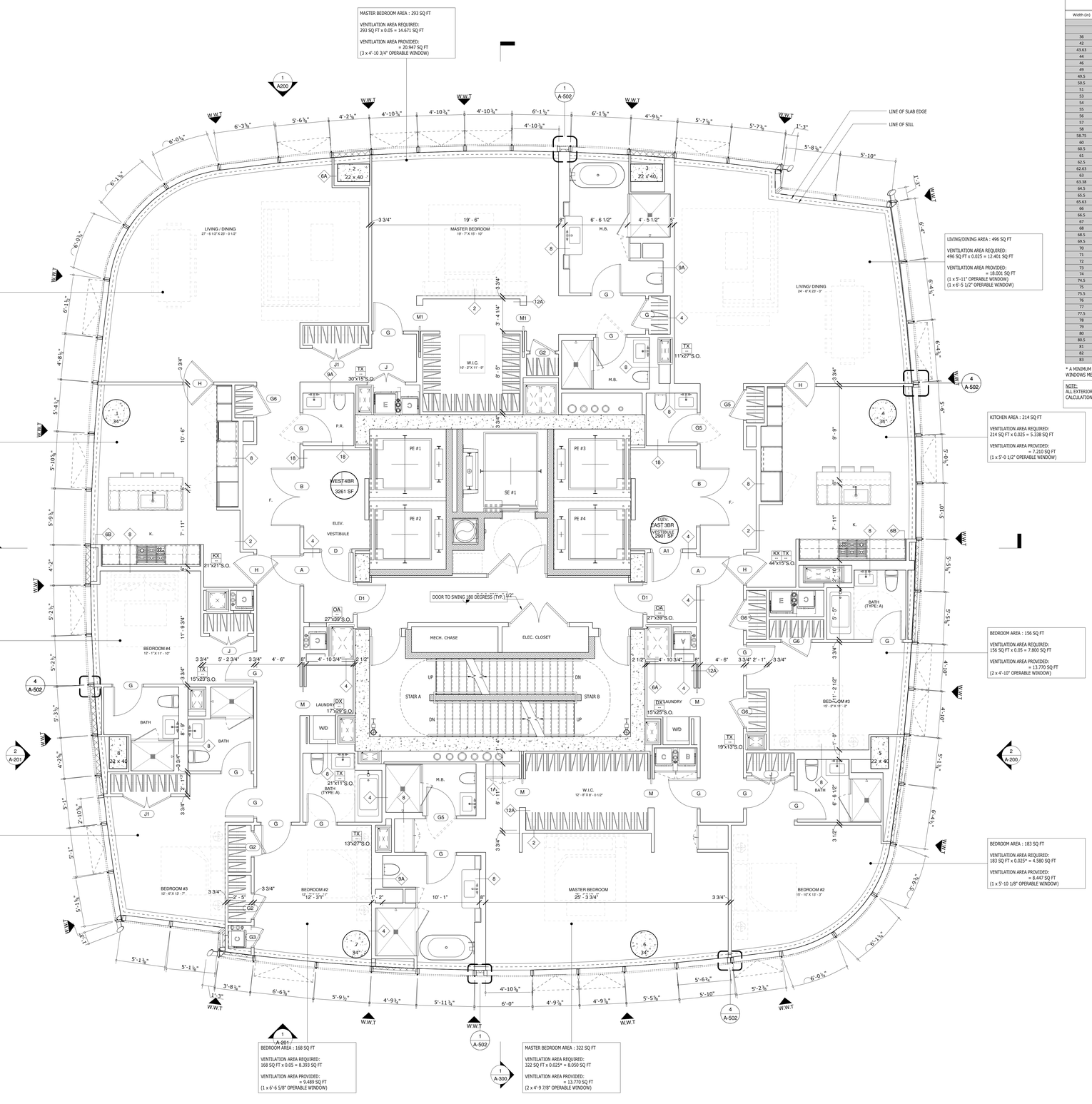
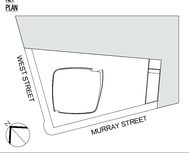


TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)					
WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2*	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2*	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8*	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8*	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2*	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2*	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8*	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-0790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
45TH FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. HILL
No. 026004
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	**A-155.00**

DEPT OF BLDGS 122132110 Job Number
E0949710279 Scan Code

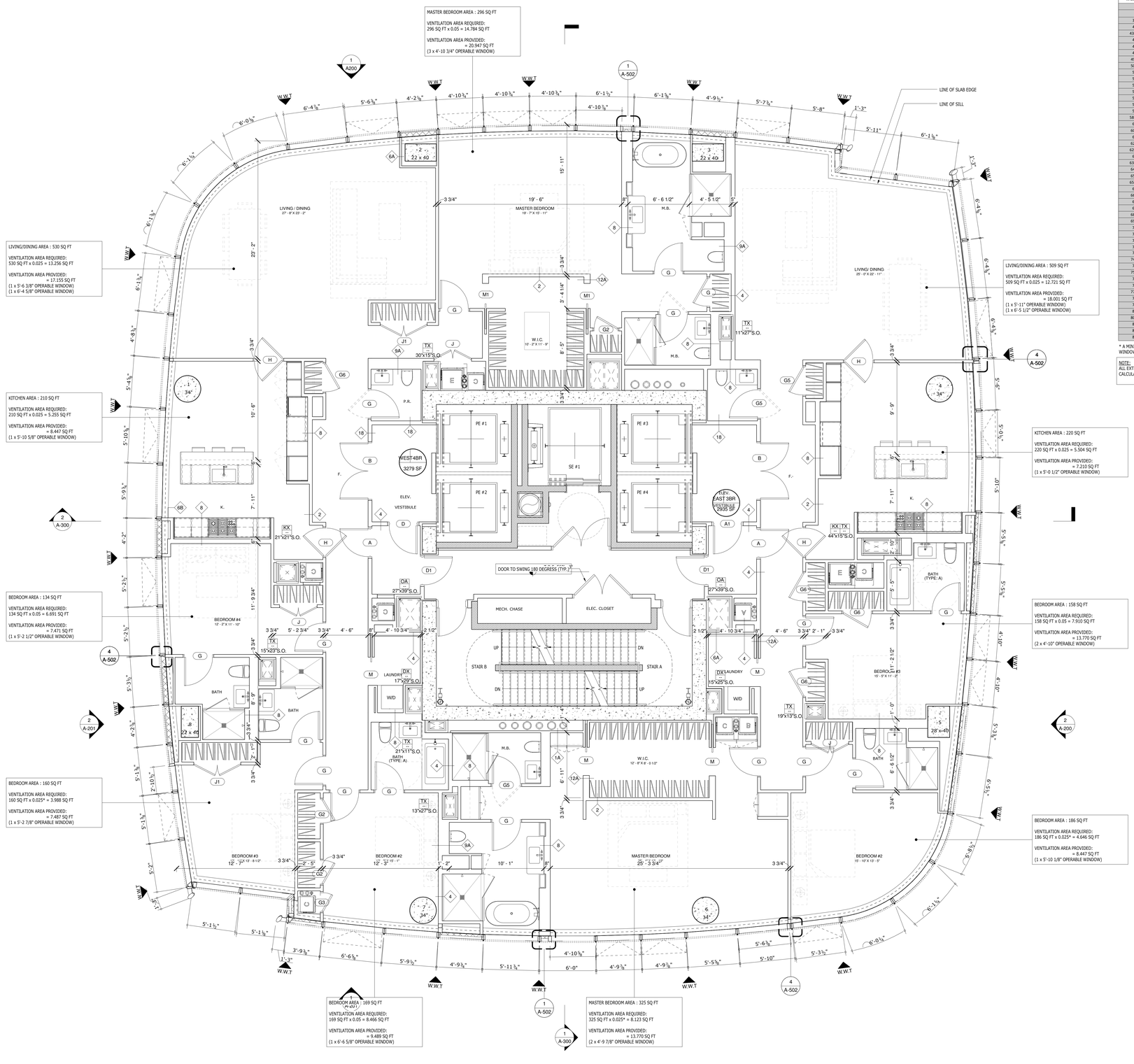


TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)

WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
46TH FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. HILL
No. 026004
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-156.00

DEPT OF BLDGS 122132110 Job Number
E367897295 Scan Code

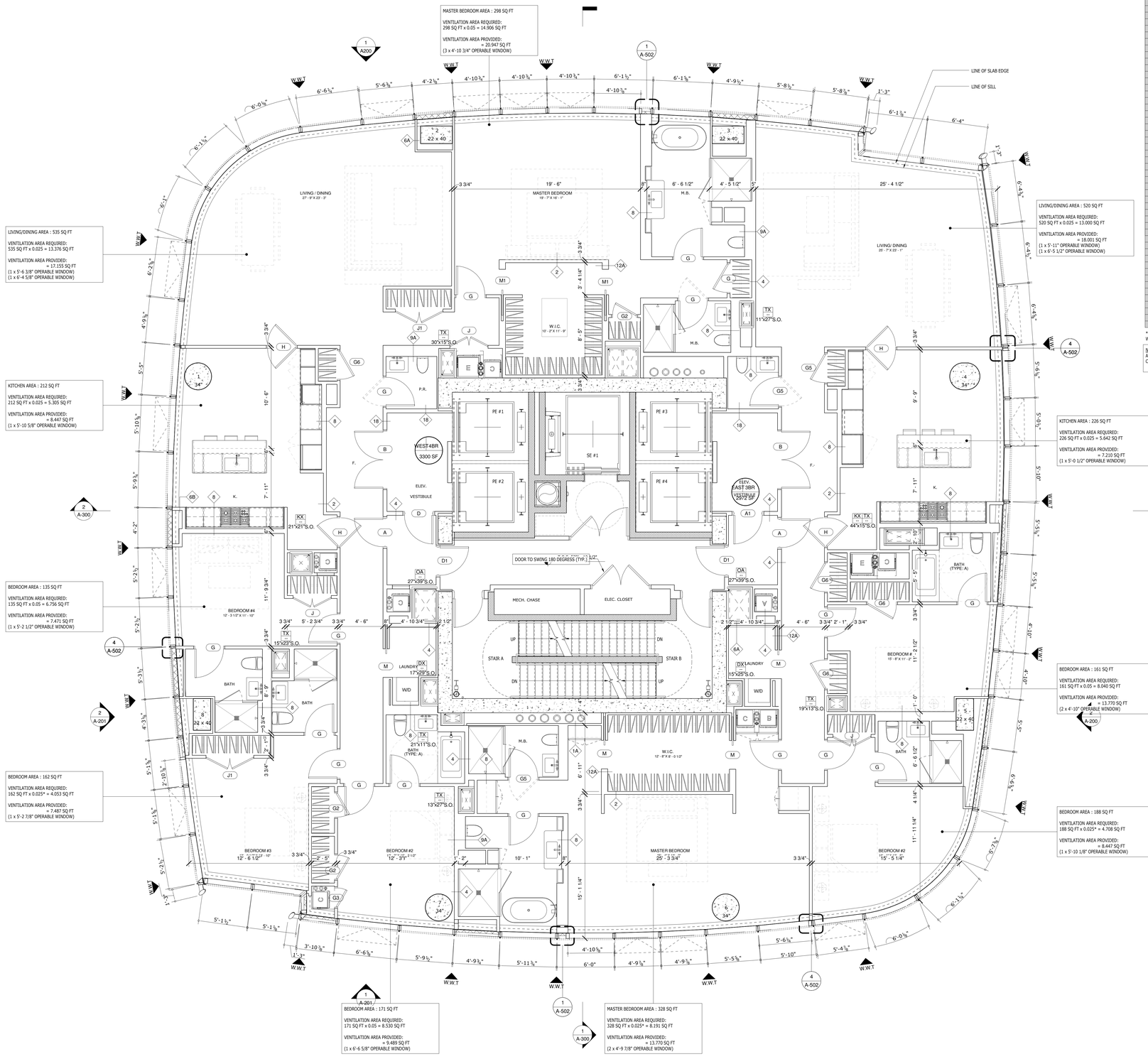
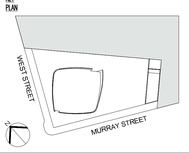


TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)					
WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/10/2015
NYC Development Hub

DWG TITLE:
47TH FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
No. 026004
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-157.00

DEPT OF BLDGS 122132110 Job Number
ES0907853999 Scan Code

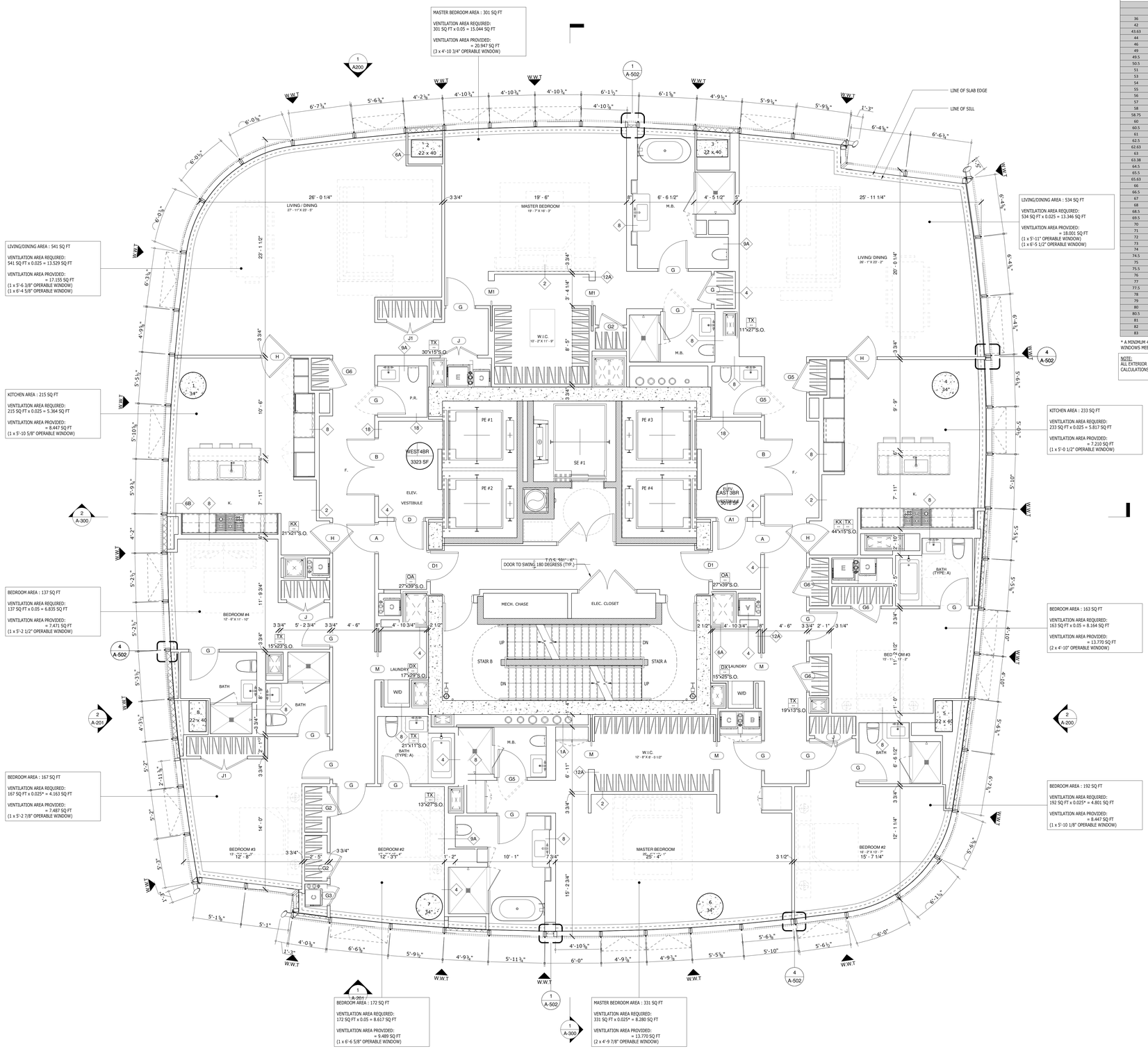
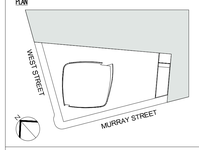


TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)					
WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
48TH FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
026004
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-158.00

DEPT OF BLDGS 122132110 Job Number
B1610910089 Scan Code

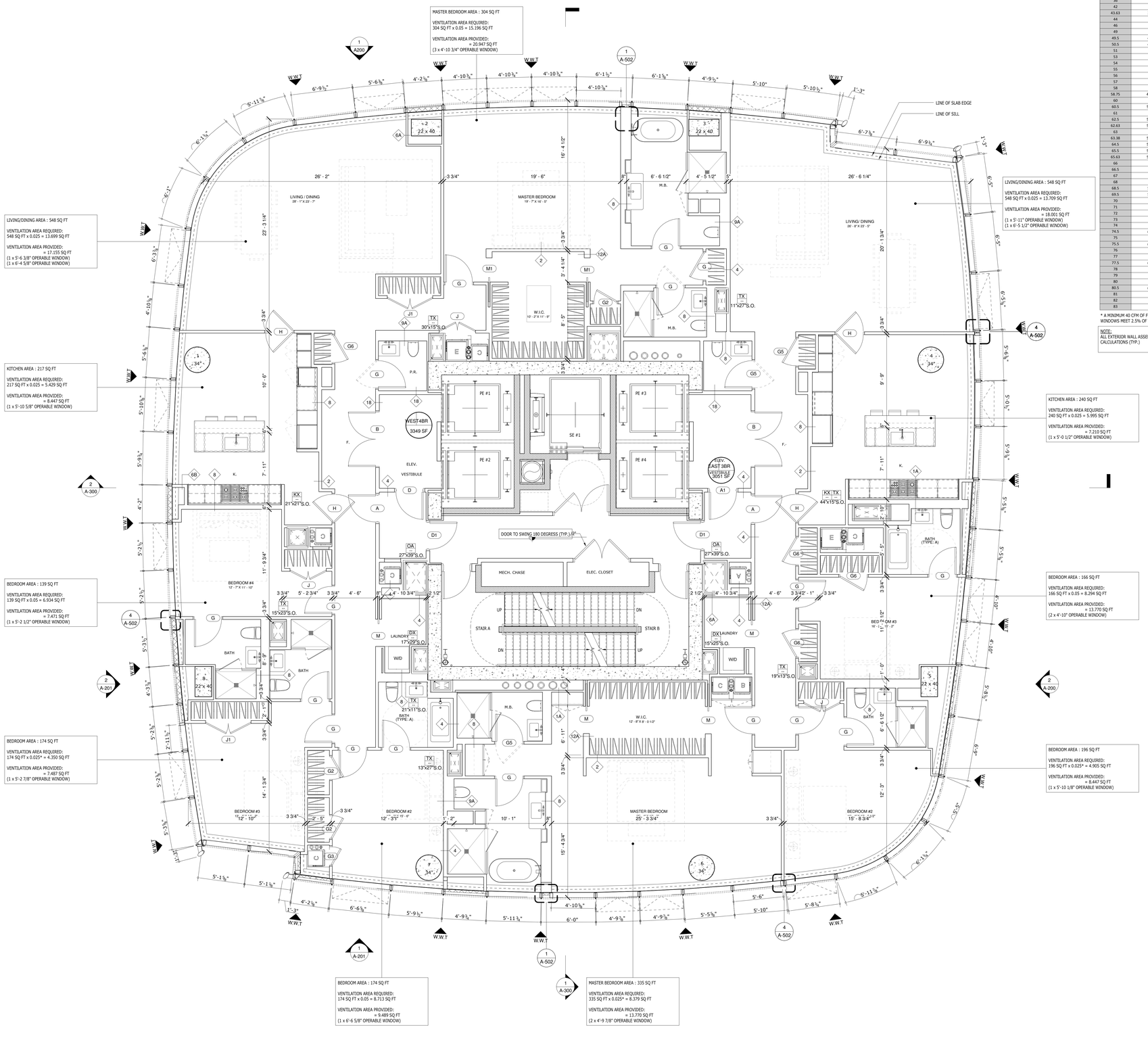
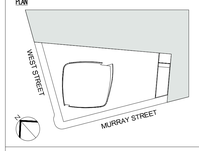


TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)					
WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
49TH FLOOR

SEAL & SIGNATURE
REGISTERED ARCHITECT
JO STEPHEN HILL
CITY OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-159.00

DEPT OF BLDGS 122132110 Job Number
B00652070SD Scan Code

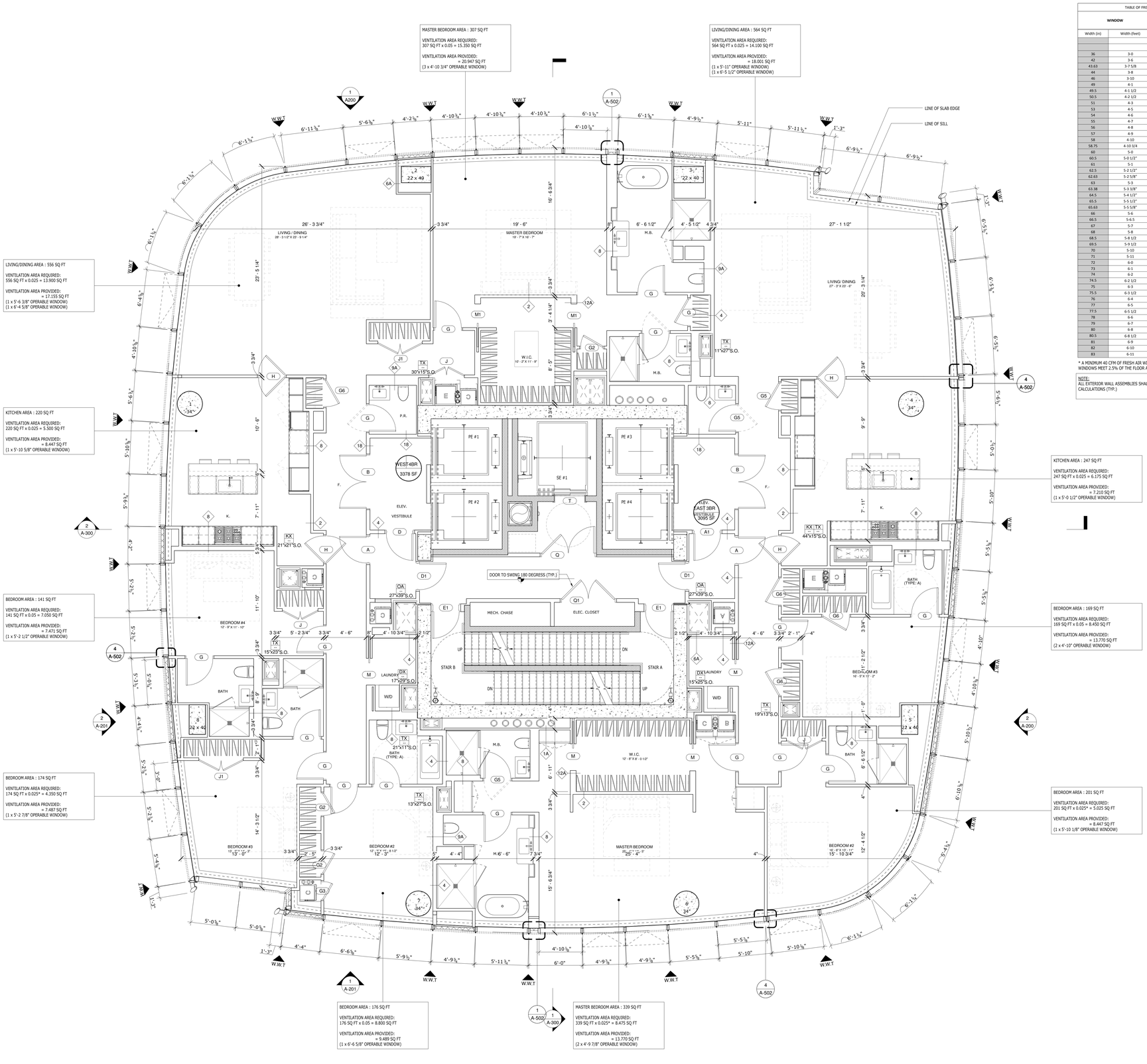


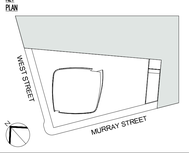
TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)

WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2*	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2*	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8*	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8*	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2*	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2*	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8*	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

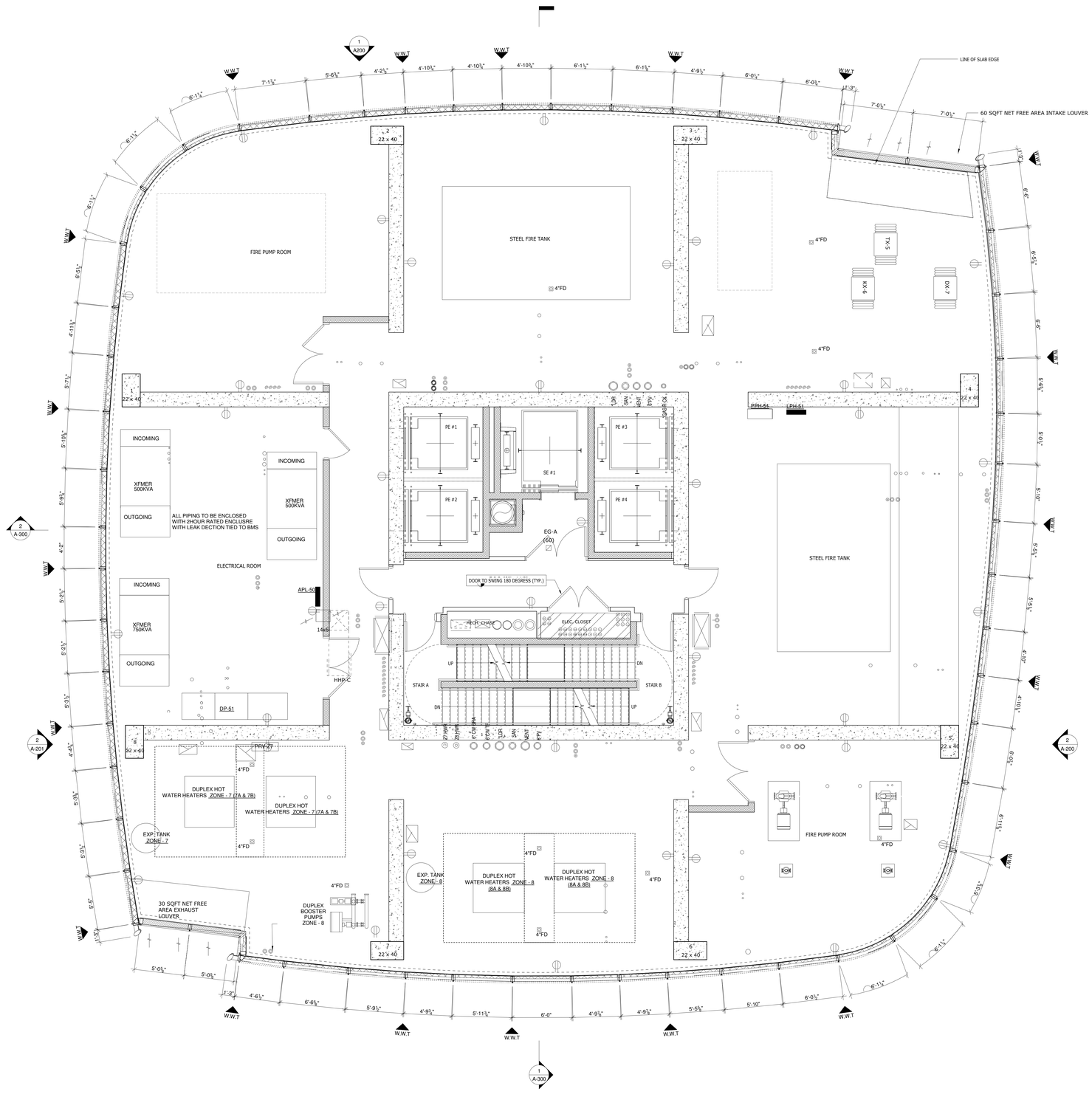
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

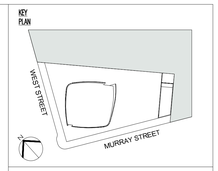
DWG TITLE:
50TH FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
No. 028064
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-160.00

DEPT OF BLDGS 122132110 Job Number
B1120090505 Scan Code





3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
51ST FLOOR

SEAL & SIGNATURE
REGISTERED ARCHITECT STEPHEN M. CORDA STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-161.00

DEPT OF BLDGS 122132110 Job Number
B3675023.DXF Scan Code

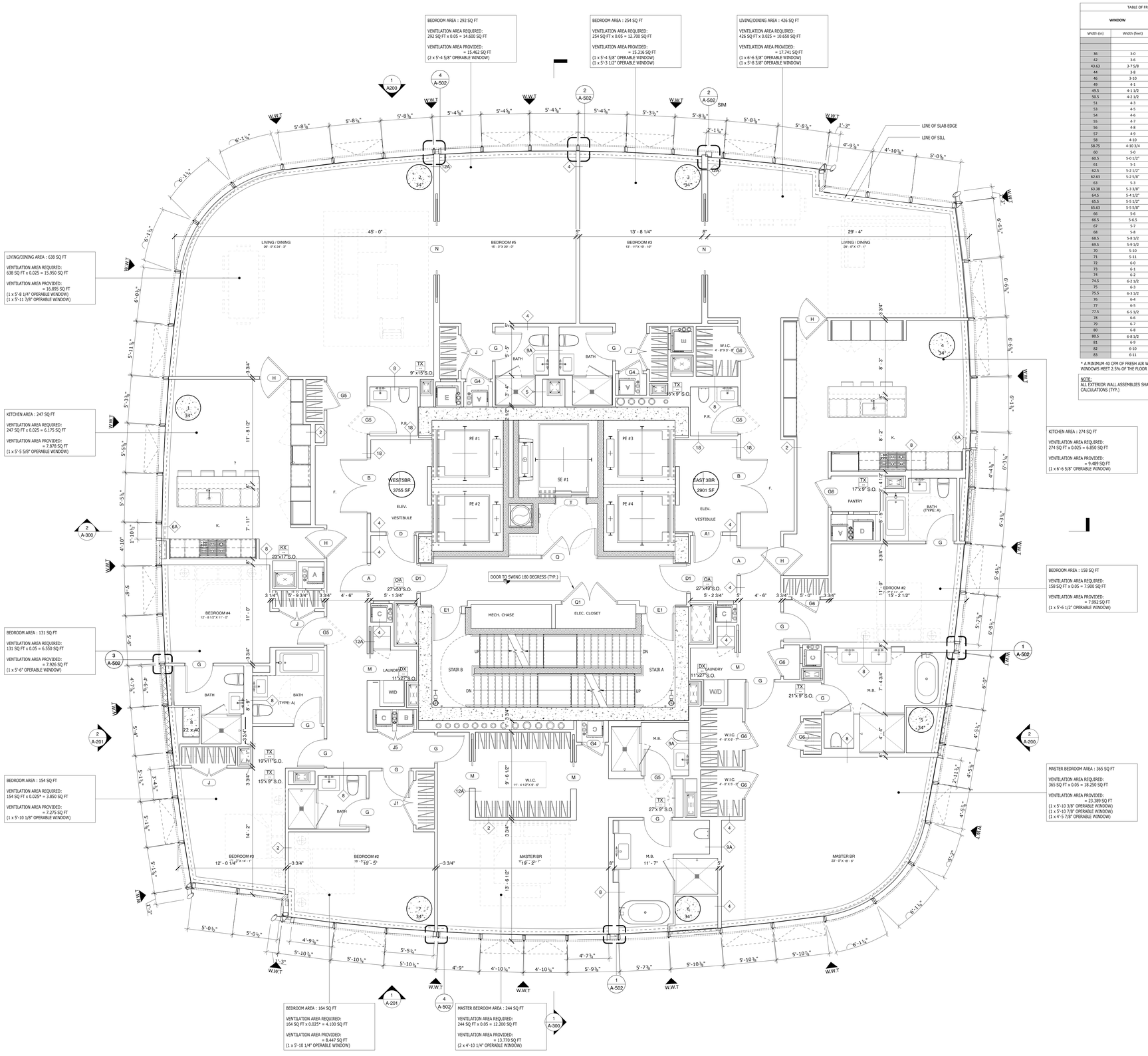
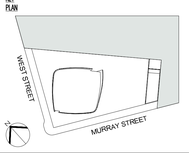


TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)					
WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
52ND FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH HILL
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-162.00

DEPT OF BLDGS 122132110 Job Number
E5019452000B Scan Code

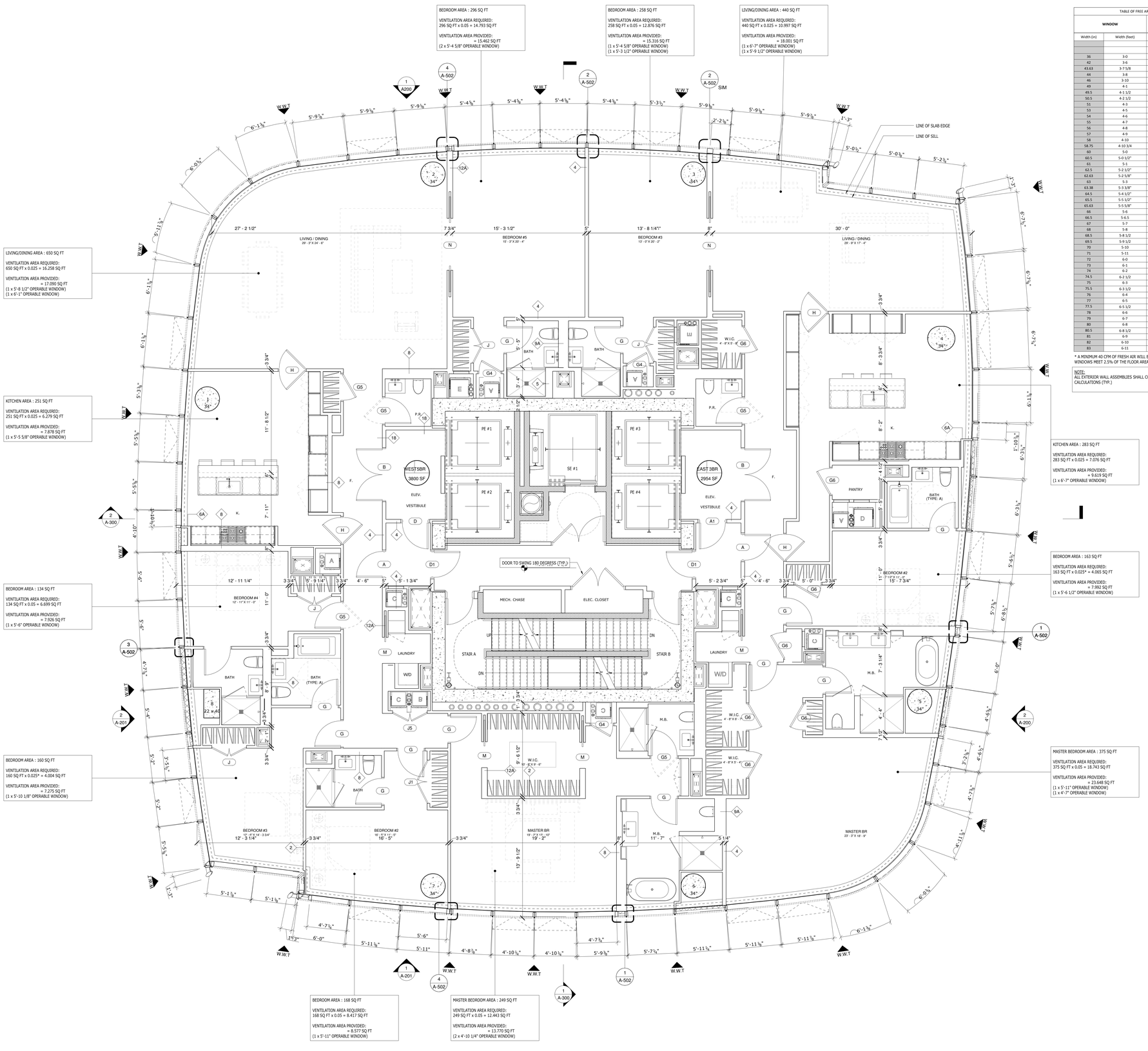


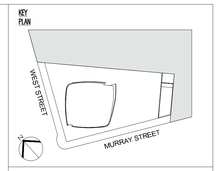
TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)

WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BISCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
53RD FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH P. PITT
026202
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	**A-163.00**

DEPT OF BLDGS 122132110 Job Number
B2705544307 Scan Code

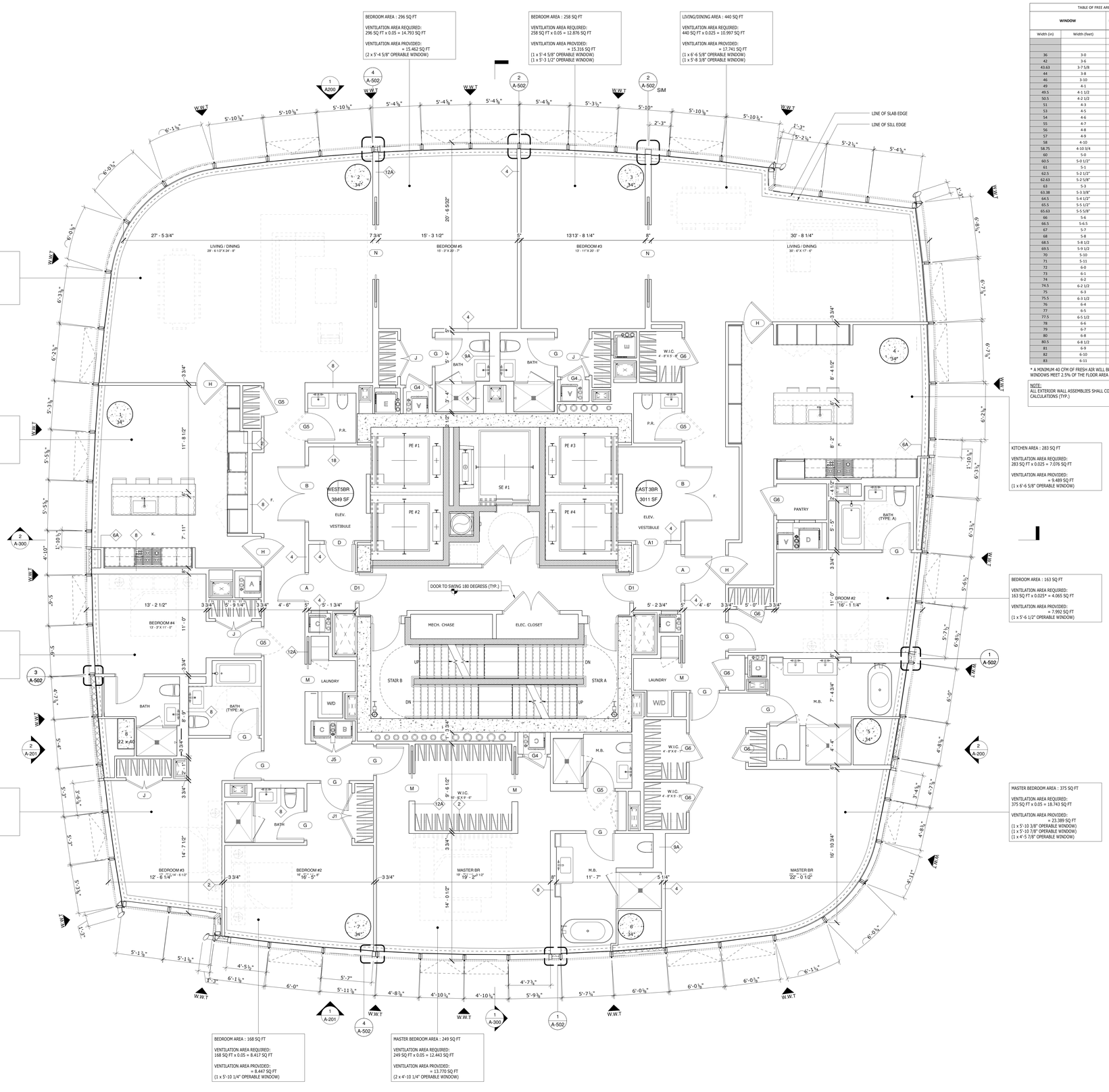
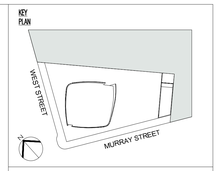


TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)					
WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
54TH FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH HILL
OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-164.00

DEPT OF BLDGS 122132110 Job Number
B/BS/1504420 Scan Code

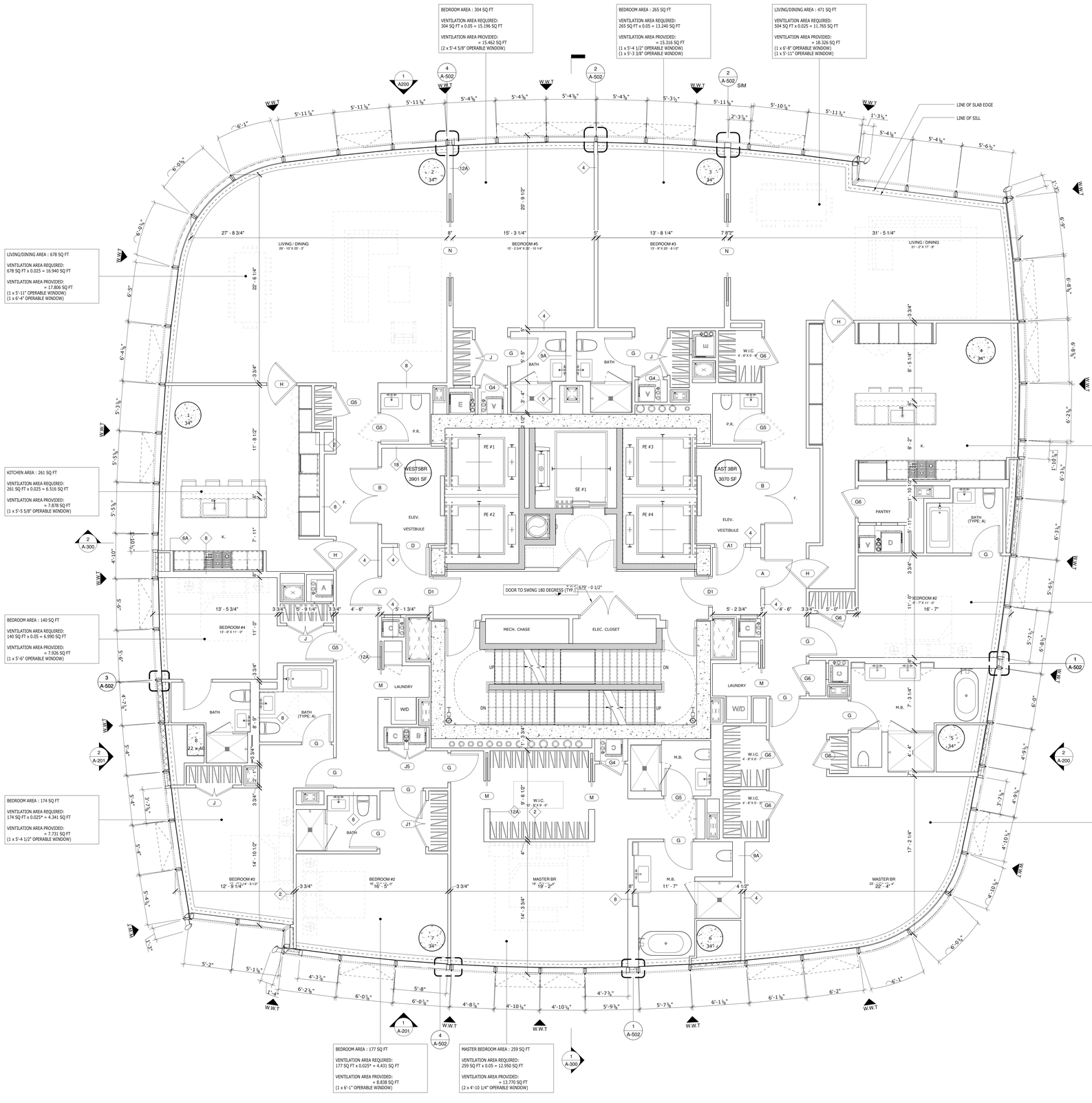


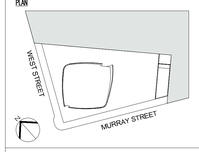
TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)

WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
55TH FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN M. HILL
CITY OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-165.00

DEPT OF BLDGS 122132110 Job Number
E350703104001 Scan Code

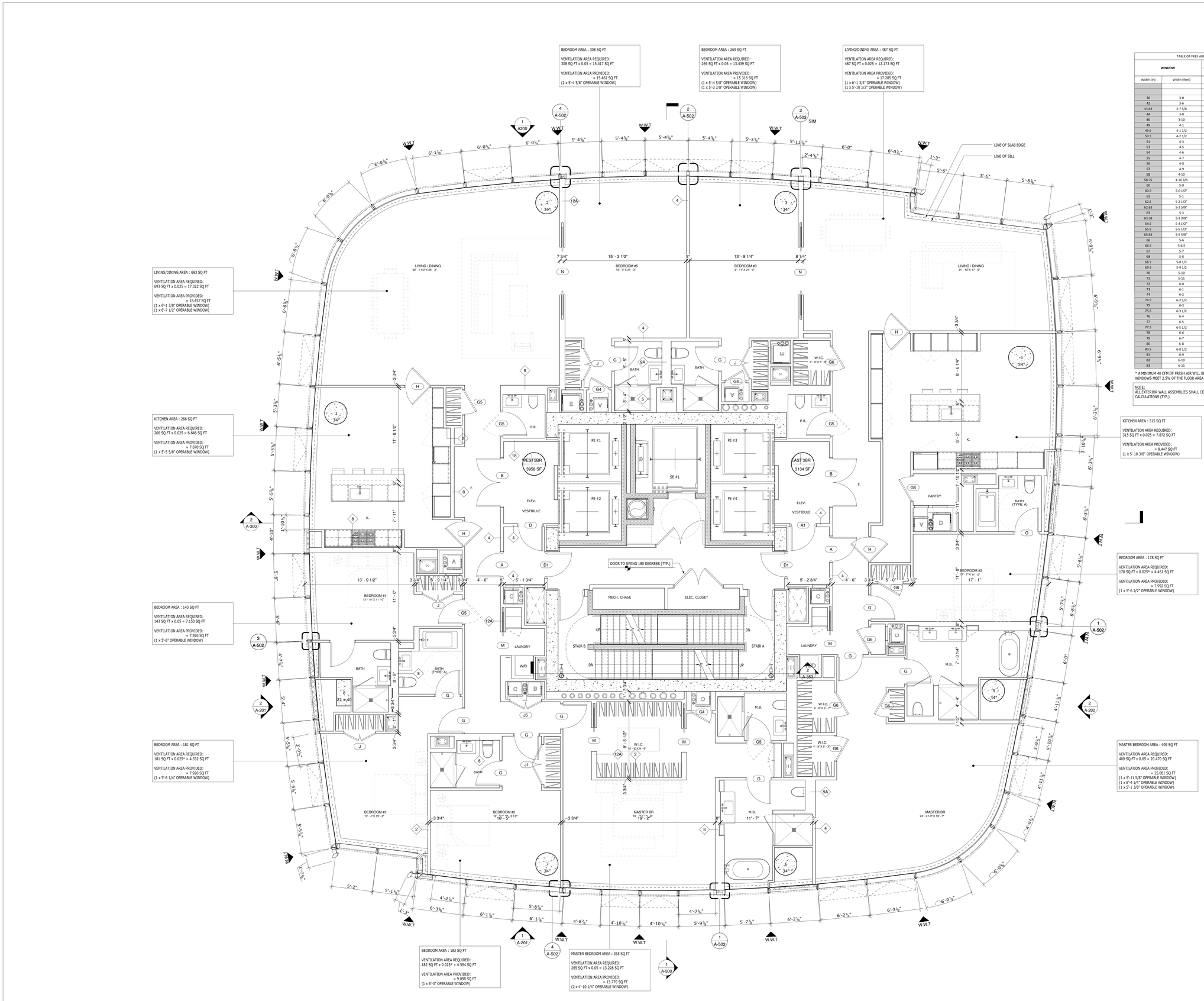


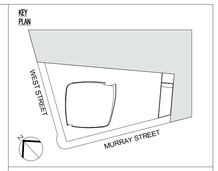
TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)

WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
56TH FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
ROBERT STEPHEN HILL
OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-166.00

DEPT OF BLDGS 122132110 Job Number
E50415525249 Scan Code

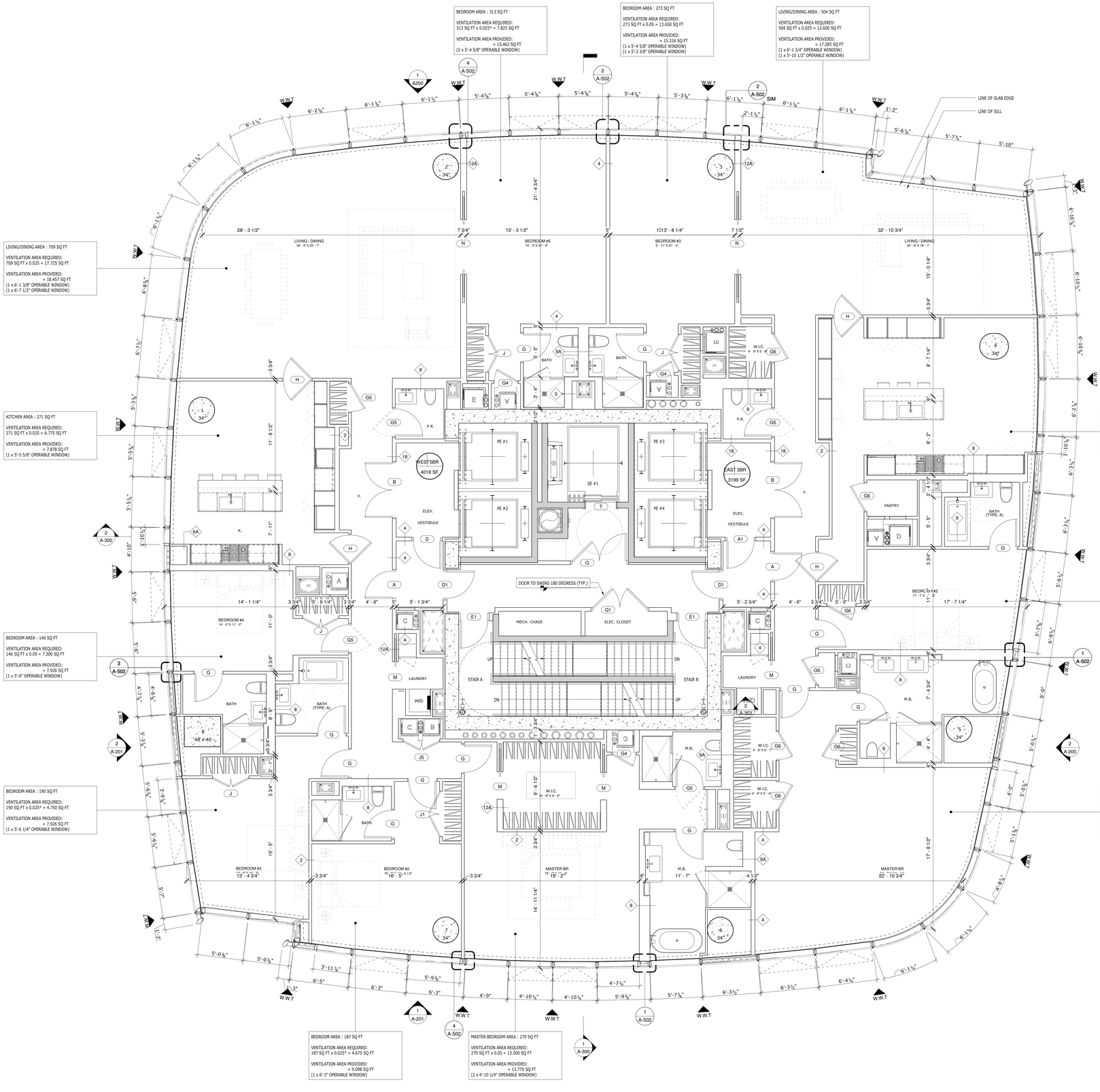
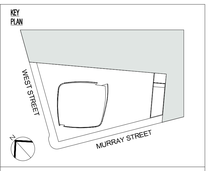


TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)					
WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473-0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

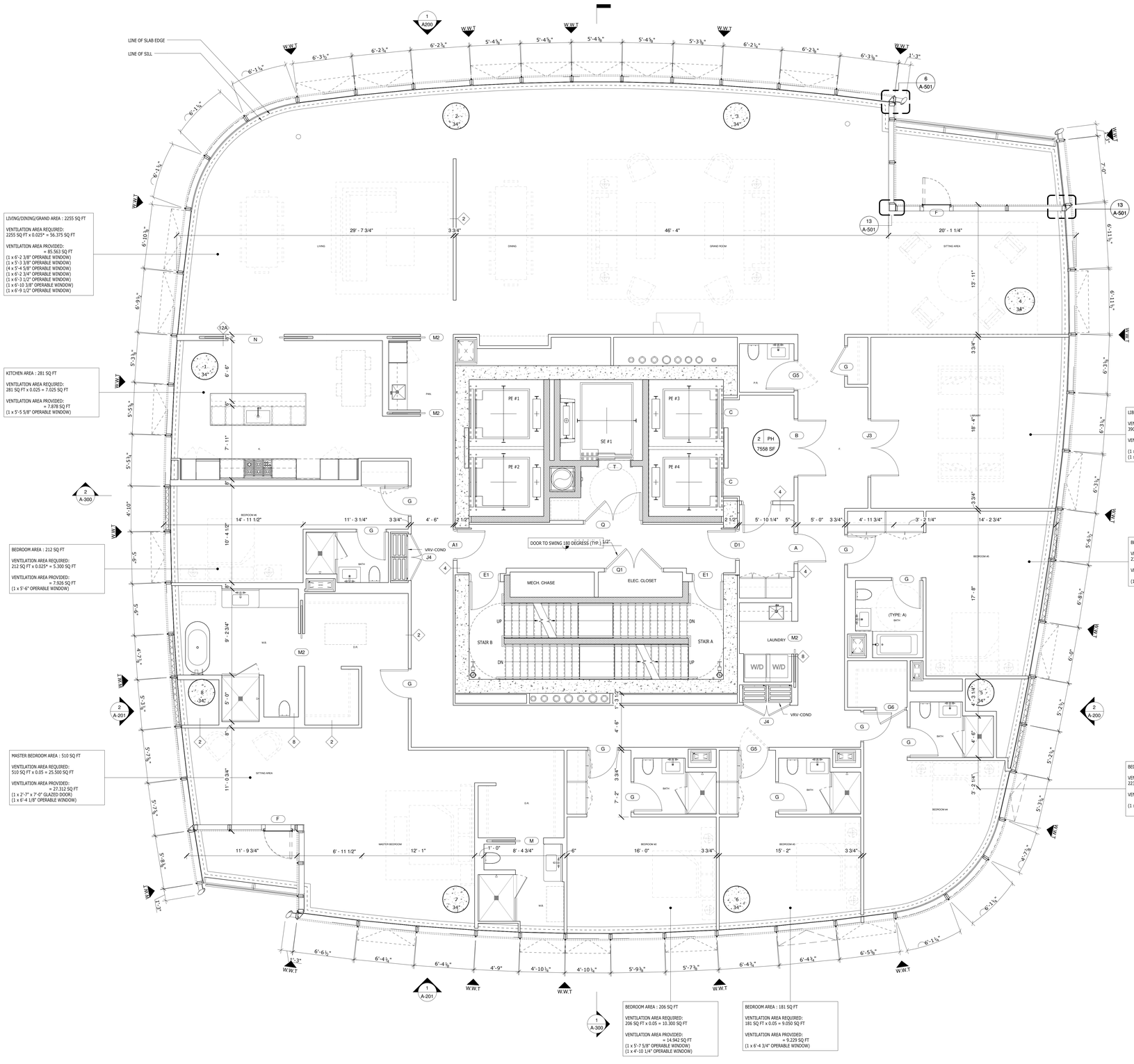
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

DWG TITLE:
57TH FLOOR

SEAL & SIGNATURE
REGISTERED ARCHITECT
DAVID STEPHEN HILL
OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-167.00

DEPT OF BLDGS 122132110 Job Number
B1617160080 Scan Code



LIVING/DINING/GRAND AREA : 2255 SQ FT

VENTILATION AREA REQUIRED:
2255 SQ FT x 0.025* = 56.375 SQ FT

VENTILATION AREA PROVIDED:
= 85.563 SQ FT
(1 x 6'-2 3/8" OPERABLE WINDOW)
(1 x 5'-3 3/8" OPERABLE WINDOW)
(4 x 5'-4 5/8" OPERABLE WINDOW)
(1 x 6'-2 3/4" OPERABLE WINDOW)
(1 x 6'-3 1/2" OPERABLE WINDOW)
(1 x 6'-10 3/8" OPERABLE WINDOW)
(1 x 6'-9 1/2" OPERABLE WINDOW)

KITCHEN AREA : 281 SQ FT

VENTILATION AREA REQUIRED:
281 SQ FT x 0.025 = 7.025 SQ FT

VENTILATION AREA PROVIDED:
= 7.878 SQ FT
(1 x 5'-5 5/8" OPERABLE WINDOW)

BEDROOM AREA : 212 SQ FT

VENTILATION AREA REQUIRED:
212 SQ FT x 0.025* = 5.300 SQ FT

VENTILATION AREA PROVIDED:
= 7.926 SQ FT
(1 x 5'-6" OPERABLE WINDOW)

MASTER BEDROOM AREA : 510 SQ FT

VENTILATION AREA REQUIRED:
510 SQ FT x 0.05 = 25.500 SQ FT

VENTILATION AREA PROVIDED:
= 27.312 SQ FT
(1 x 2'-7" x 7'-0" GLAZED DOOR)
(1 x 6'-4 1/8" OPERABLE WINDOW)

BEDROOM AREA : 206 SQ FT

VENTILATION AREA REQUIRED:
206 SQ FT x 0.05 = 10.300 SQ FT

VENTILATION AREA PROVIDED:
= 14.942 SQ FT
(1 x 5'-7 5/8" OPERABLE WINDOW)
(1 x 4'-10 1/4" OPERABLE WINDOW)

BEDROOM AREA : 181 SQ FT

VENTILATION AREA REQUIRED:
181 SQ FT x 0.05 = 9.050 SQ FT

VENTILATION AREA PROVIDED:
= 9.229 SQ FT
(1 x 6'-4 3/4" OPERABLE WINDOW)

LIBRARY AREA : 390 SQ FT

VENTILATION AREA REQUIRED:
390 SQ FT x 0.025* = 9.750 SQ FT

VENTILATION AREA PROVIDED:
= 18.196 SQ FT
(1 x 6'-3 1/4" OPERABLE WINDOW)
(1 x 6'-3 1/8" OPERABLE WINDOW)

BEDROOM AREA : 232 SQ FT

VENTILATION AREA REQUIRED:
232 SQ FT x 0.025* = 5.800 SQ FT

VENTILATION AREA PROVIDED:
= 8.708 SQ FT
(1 x 6'-0" OPERABLE WINDOW)

BEDROOM AREA : 223 SQ FT

VENTILATION AREA REQUIRED:
223 SQ FT x 0.025* = 5.575 SQ FT

VENTILATION AREA PROVIDED:
= 7.536 SQ FT
(1 x 5'-3 1/4" OPERABLE WINDOW)

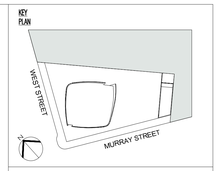
TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)

WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS.

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

FB THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

DWG TITLE:
58TH FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JO STEPHEN HILL
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-168.00

DEPT OF BLDGS 122132110 Job Number
E366997323US Scan Code

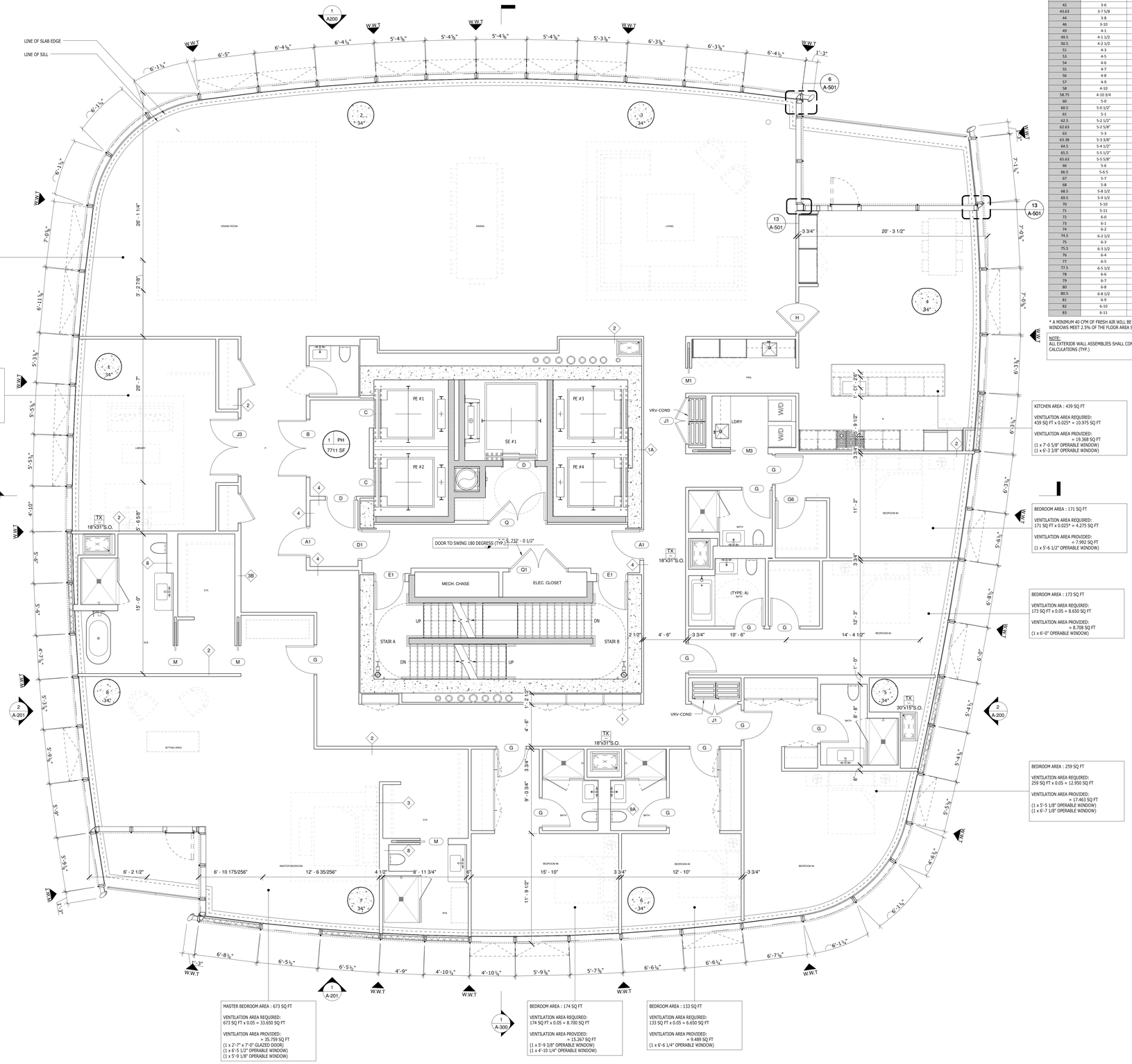
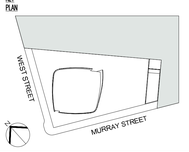


TABLE OF FREE AREA CALCULATION BASED ON WINDOW SIZE (23.5" Tall Window)					
WINDOW		DEDUCT FRAME	EFFECTIVE WIDTH	EFFECTIVE HEIGHT	ACTUAL OPENING
Width (in)	Width (feet)	WIDTH (in.)	(in.)	HEIGHT (in.)	SQ.FT.
36	3-0	5.125	30.875	18.75	**4.020**
42	3-6	5.125	36.875	18.75	**4.801**
43.63	3-7 5/8	5.125	38.5	18.75	**5.013**
44	3-8	5.125	38.875	18.75	**5.062**
46	3-10	5.125	40.875	18.75	**5.322**
49	4-1	5.125	43.875	18.75	**5.713**
49.5	4-1 1/2	5.125	44.375	18.75	**5.778**
50.5	4-2 1/2	5.125	45.375	18.75	**5.908**
51	4-3	5.125	45.875	18.75	**5.973**
53	4-5	5.125	47.875	18.75	**6.234**
54	4-6	5.125	48.875	18.75	**6.364**
55	4-7	5.125	49.875	18.75	**6.494**
56	4-8	5.125	50.875	18.75	**6.624**
57	4-9	5.125	51.875	18.75	**6.755**
58	4-10	5.125	52.875	18.75	**6.885**
58.75	4-10 3/4	5.125	53.625	18.75	**6.982**
60	5-0	5.125	54.875	18.75	**7.145**
60.5	5-0 1/2"	5.125	55.375	18.75	**7.210**
61	5-1	5.125	55.875	18.75	**7.275**
62.5	5-2 1/2"	5.125	57.375	18.75	**7.471**
62.63	5-2 5/8"	5.125	57.5	18.75	**7.487**
63	5-3	5.125	57.875	18.75	**7.536**
63.38	5-3 3/8"	5.125	58.25	18.75	**7.585**
64.5	5-4 1/2"	5.125	59.375	18.75	**7.731**
65.5	5-5 1/2"	5.125	60.375	18.75	**7.861**
65.63	5-5 5/8"	5.125	60.5	18.75	**7.878**
66	5-6	5.125	60.875	18.75	**7.926**
66.5	5-6.5	5.125	61.375	18.75	**7.992**
67	5-7	5.125	61.875	18.75	**8.057**
68	5-8	5.125	62.875	18.75	**8.187**
68.5	5-8 1/2	5.125	63.375	18.75	**8.252**
69.5	5-9 1/2	5.125	64.375	18.75	**8.382**
70	5-10	5.125	64.875	18.75	**8.447**
71	5-11	5.125	65.875	18.75	**8.577**
72	6-0	5.125	66.875	18.75	**8.708**
73	6-1	5.125	67.875	18.75	**8.838**
74	6-2	5.125	68.875	18.75	**8.968**
74.5	6-2 1/2	5.125	69.375	18.75	**9.033**
75	6-3	5.125	69.875	18.75	**9.098**
75.5	6-3 1/2	5.125	70.375	18.75	**9.163**
76	6-4	5.125	70.875	18.75	**9.229**
77	6-5	5.125	71.875	18.75	**9.359**
77.5	6-5 1/2	5.125	72.375	18.75	**9.424**
78	6-6	5.125	72.875	18.75	**9.489**
79	6-7	5.125	73.875	18.75	**9.619**
80	6-8	5.125	74.875	18.75	**9.749**
80.5	6-8 1/2	5.125	75.375	18.75	**9.814**
81	6-9	5.125	75.875	18.75	**9.880**
82	6-10	5.125	76.875	18.75	**10.010**
83	6-11	5.125	77.875	18.75	**10.140**

* A MINIMUM 40 CFM OF FRESH AIR WILL BE PROVIDED TO THE ROOM BY MECHANICAL MEANS WHERE OPERABLE WINDOWS MEET 2.5% OF THE FLOOR AREA SERVED. SEE MECH DWGS..

NOTE:
ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.0108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

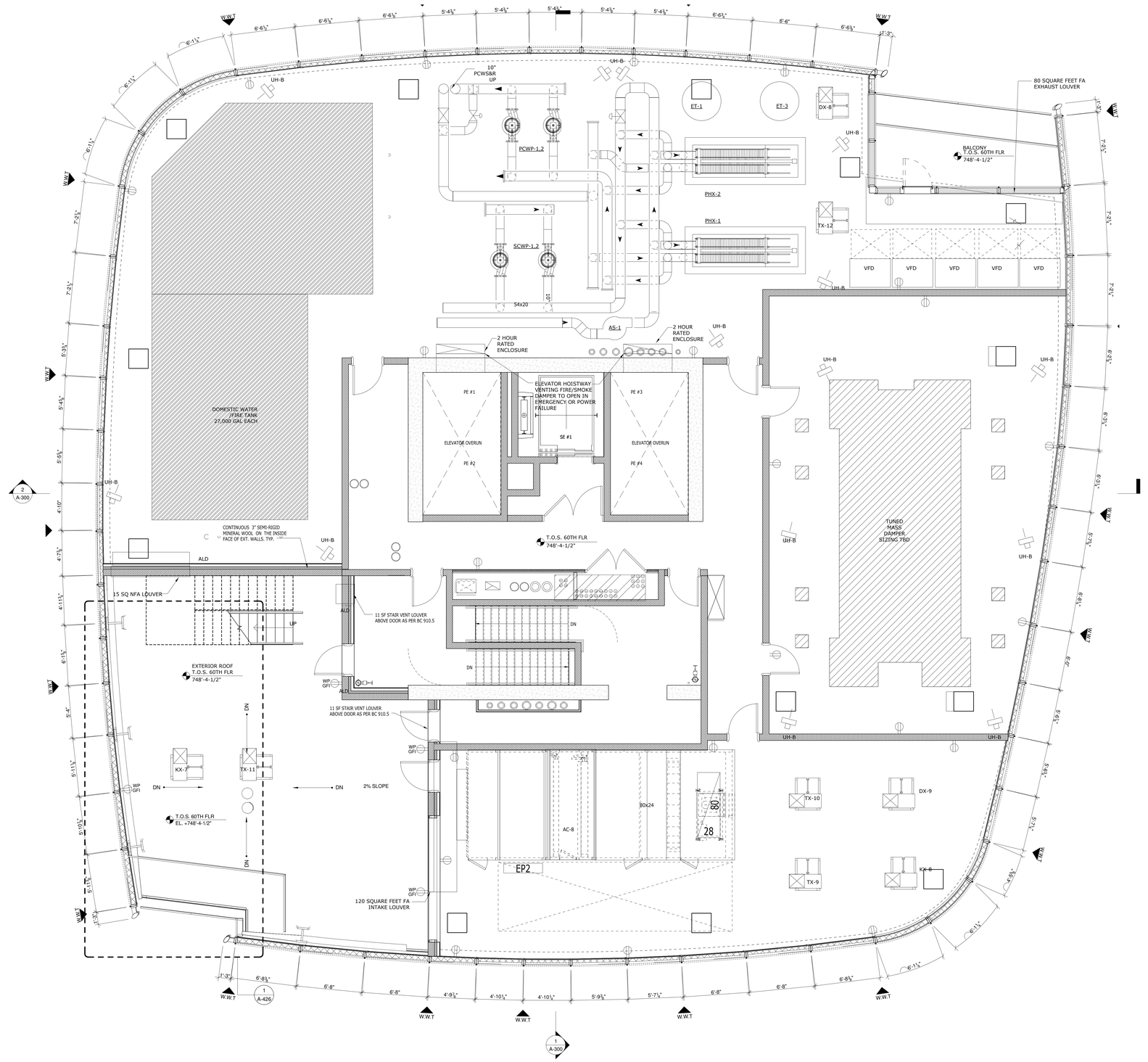
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
59TH FLOOR

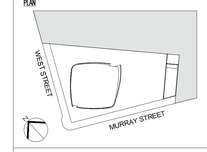
SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH STEPHEN HILL
025054
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/4" = 1'-0"
DWG NO. A-169.00

DEPT OF BLDGS 122132110 Job Number
E-5009651043 Scan Code



KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

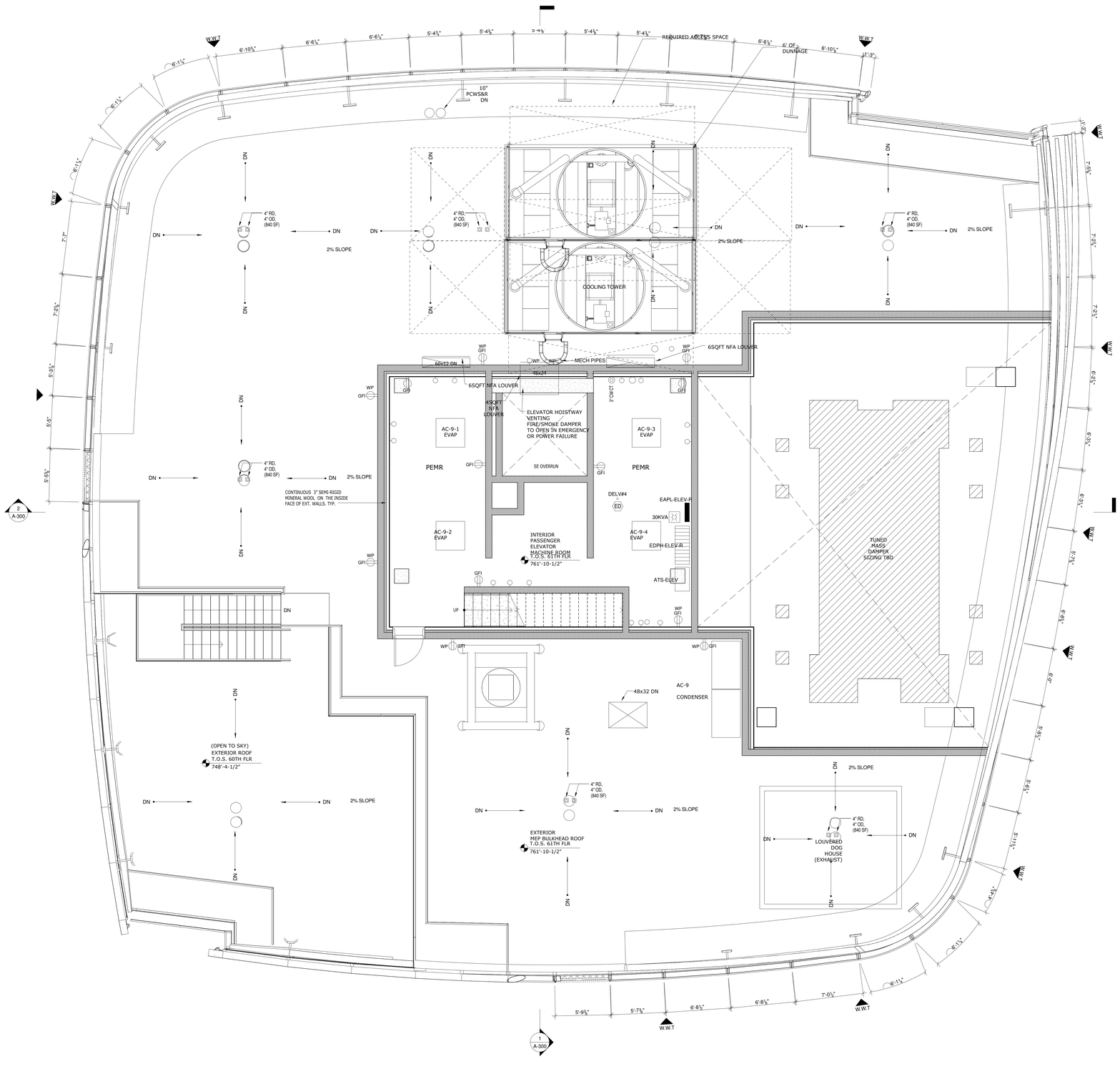
DWG TITLE:
60TH FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
STATE OF NEW YORK

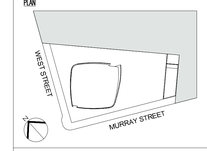
DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/4" = 1'-0"
A-170.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number

B1622504A3 Scan Code



KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

FB THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

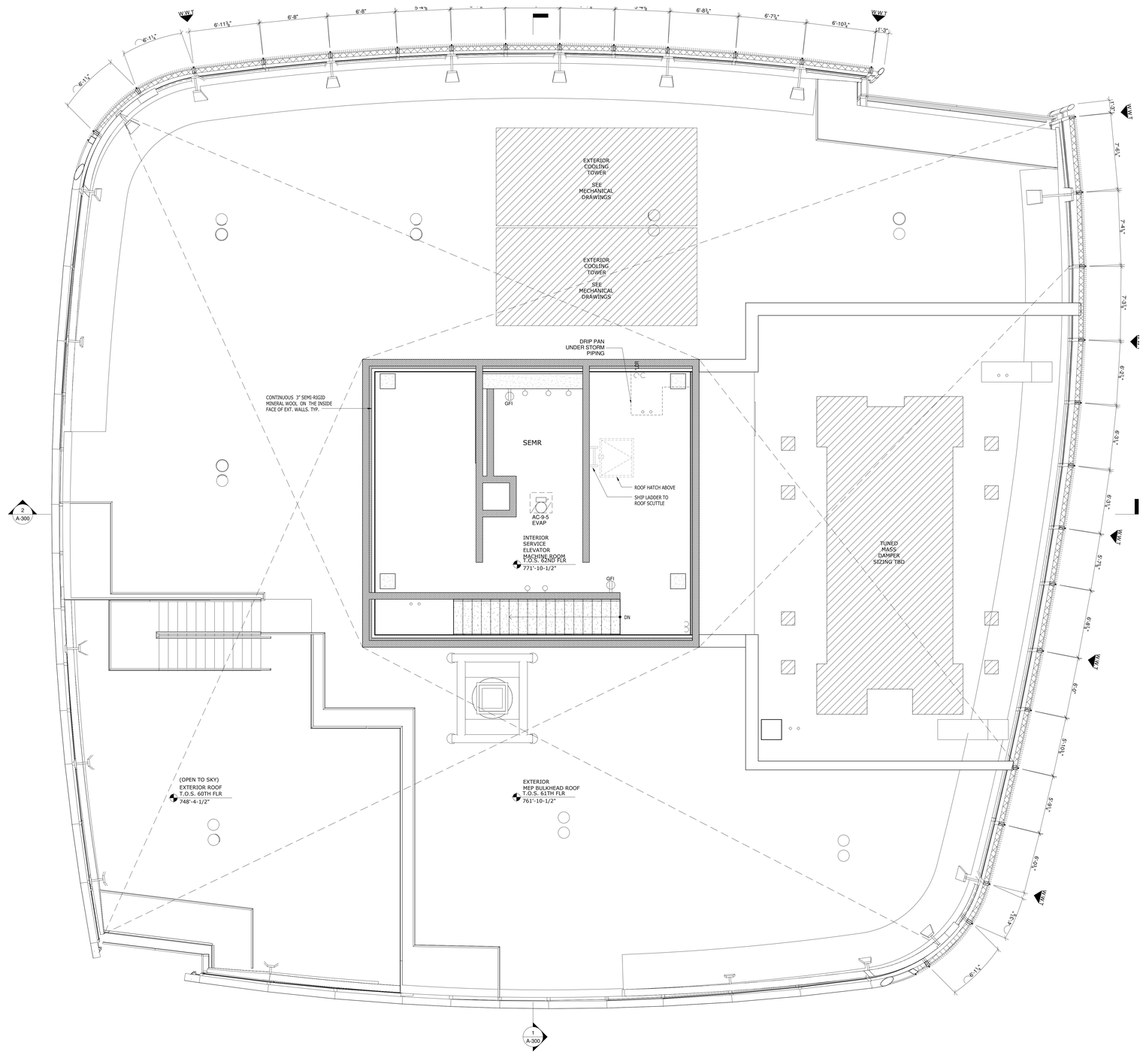
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
61ST FLOOR (PEMR)

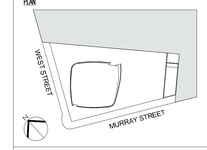
SEAL & SIGNATURE:
REGISTERED ARCHITECT STEPHEN HILL No. 026004 STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-171.00

DEPT OF BLDGS 122132110 Job Number
ES0000111111 Scan Code



KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

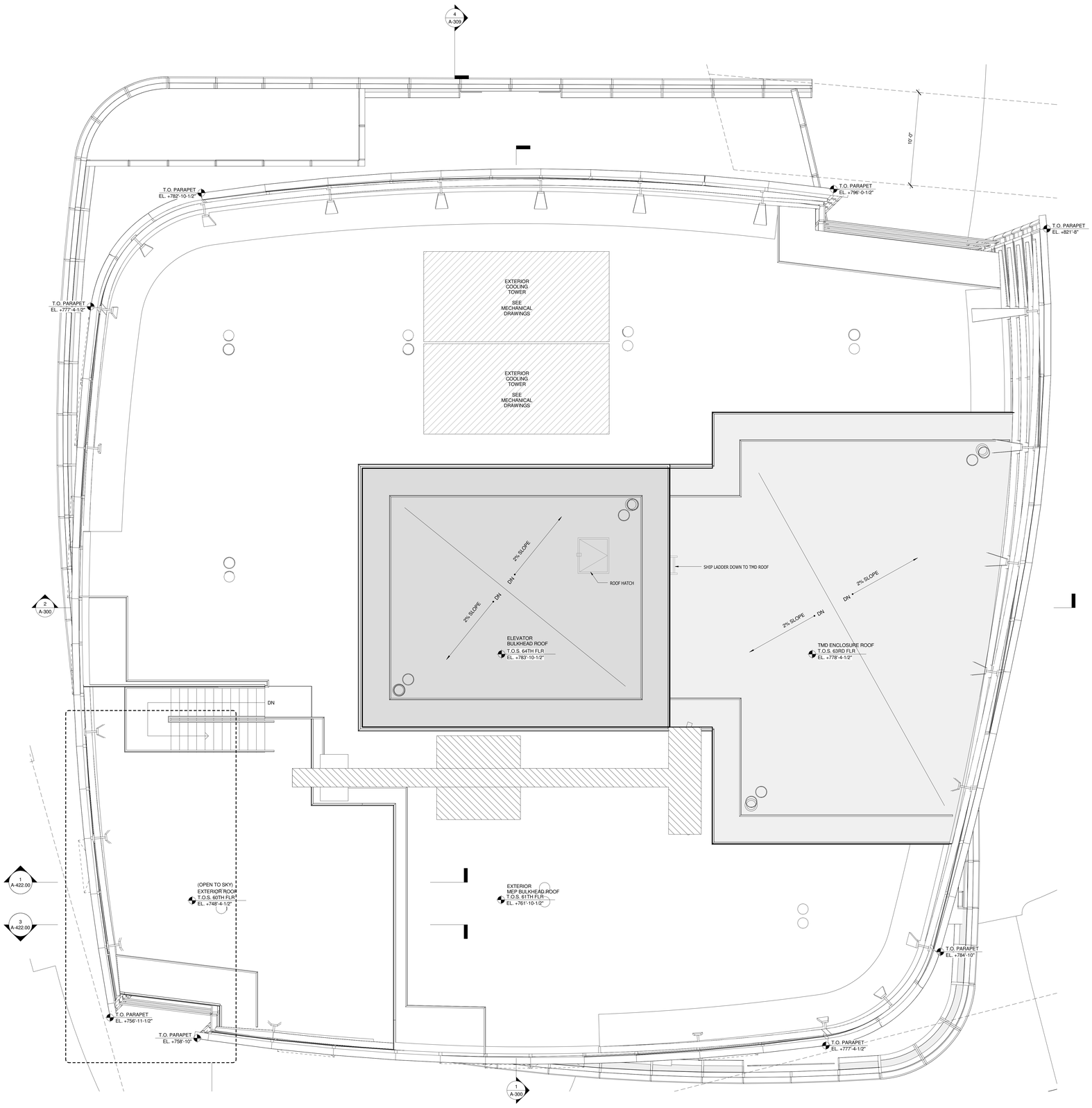
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
62ND FLOOR (SEMR)

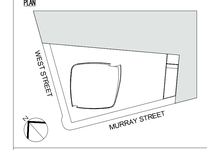
SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN YU
No. 026094
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-172.00

DEPT OF BLDGS 122132110 Job Number
E500063019W Scan Code



KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
TOWER ROOF PLAN (TOP OF CROWN)

SEAL & SIGNATURE:
REGISTERED ARCHITECT
NICHOLAS STEPHEN HILL
026020
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/4" = 1'-0"
A-174.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E542130795 Scan Code

MATERIAL KEY NOTES:

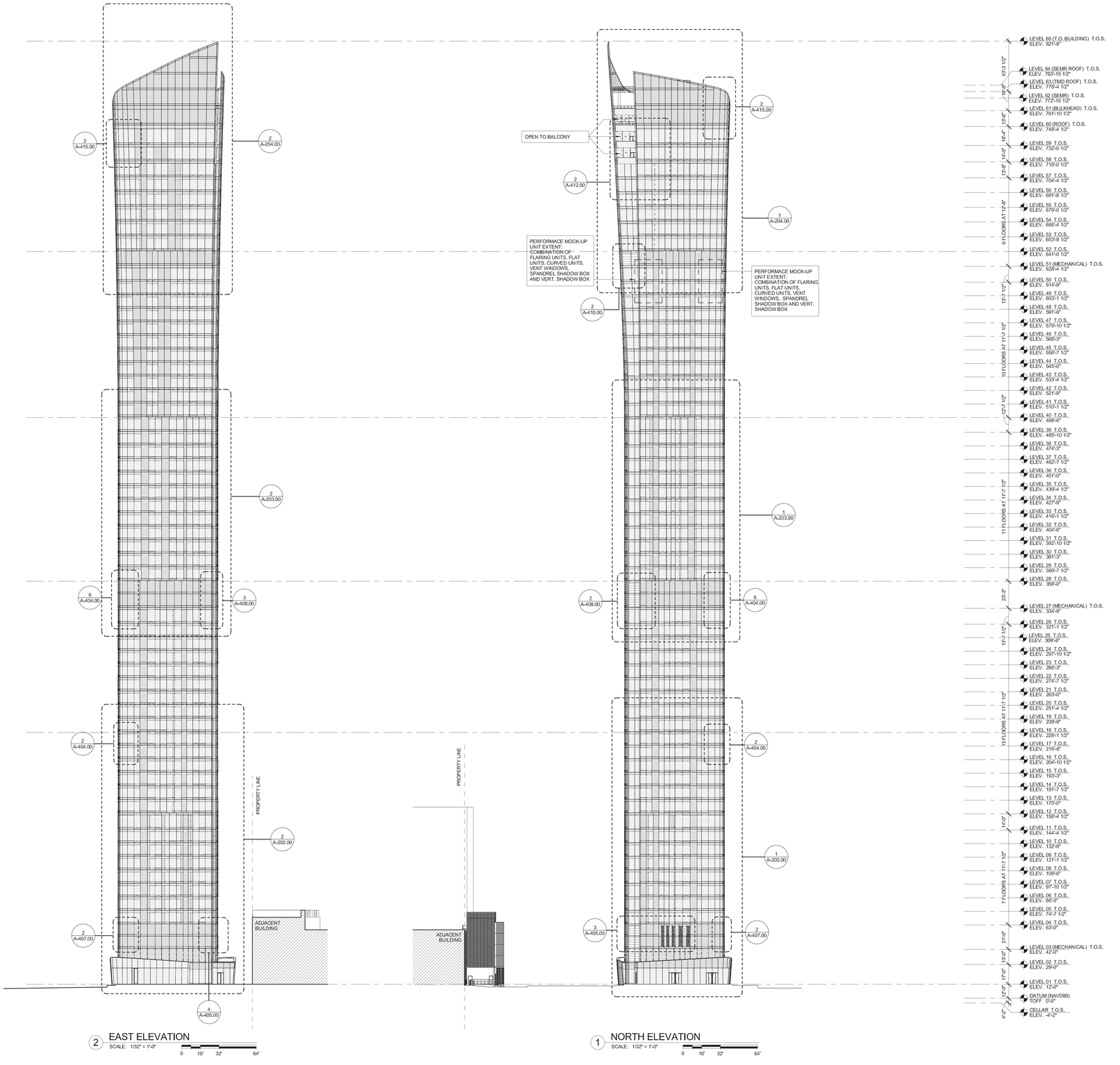
ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL1	VISION PANELS (EXCEPT THE REVEAL)
GL1 (T)	VISION GLASS BELOW 18" A.F.F.
GL1 (F)	OPERABLE WINDOWS
GL2	VISION GLASS @ REVEAL
GL3	CURVED VISION PANELS
GL4	SPANDREL& SHADOWBOX
GL5	SPANDREL & SHADOWBOX @ REVEAL
GL6	CURVED SPANDREL & SHADOWBOX
GL7	BALCONY GLASS RAILINGS
GL8	BALCONY DOOR GLAZING
GL9	STOREFRONT GLAZING
GL10	STOREFRONT ENTRANCE DOOR GLAZING FOR TOWER AND PAVILLION
A1	EXTERIOR MULLION COLOUR
A2	INTERIOR MULLION COLOUR
A3	SHADOWBOX COLOUR
A4	ARCHITECTURAL GRILLE @ MEP FLOORS
A5	BIRDSCEEN

KEY:

SPANDREL
VISION
RAILING
EX-1 LIGHTING
LOUVER

NOTE:
SEE L1 302 FOR EXTERIOR LIGHTING DIAGRAM

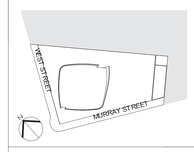
REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE



2 EAST ELEVATION
SCALE: 1/32" = 1'-0"
0 16' 32' 64'

1 NORTH ELEVATION
SCALE: 1/32" = 1'-0"
0 16' 32' 64'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
OVERALL TOWER ELEVATIONS (NORTH & EAST)

SEAL & SIGNATURE:
REGISTERED ARCHITECT STEPHEN T. YIP 026004 STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-200.00

DEPT OF BLDGS 121323.00 Job Number
E-Submission Scan Code

MATERIAL KEY NOTES:

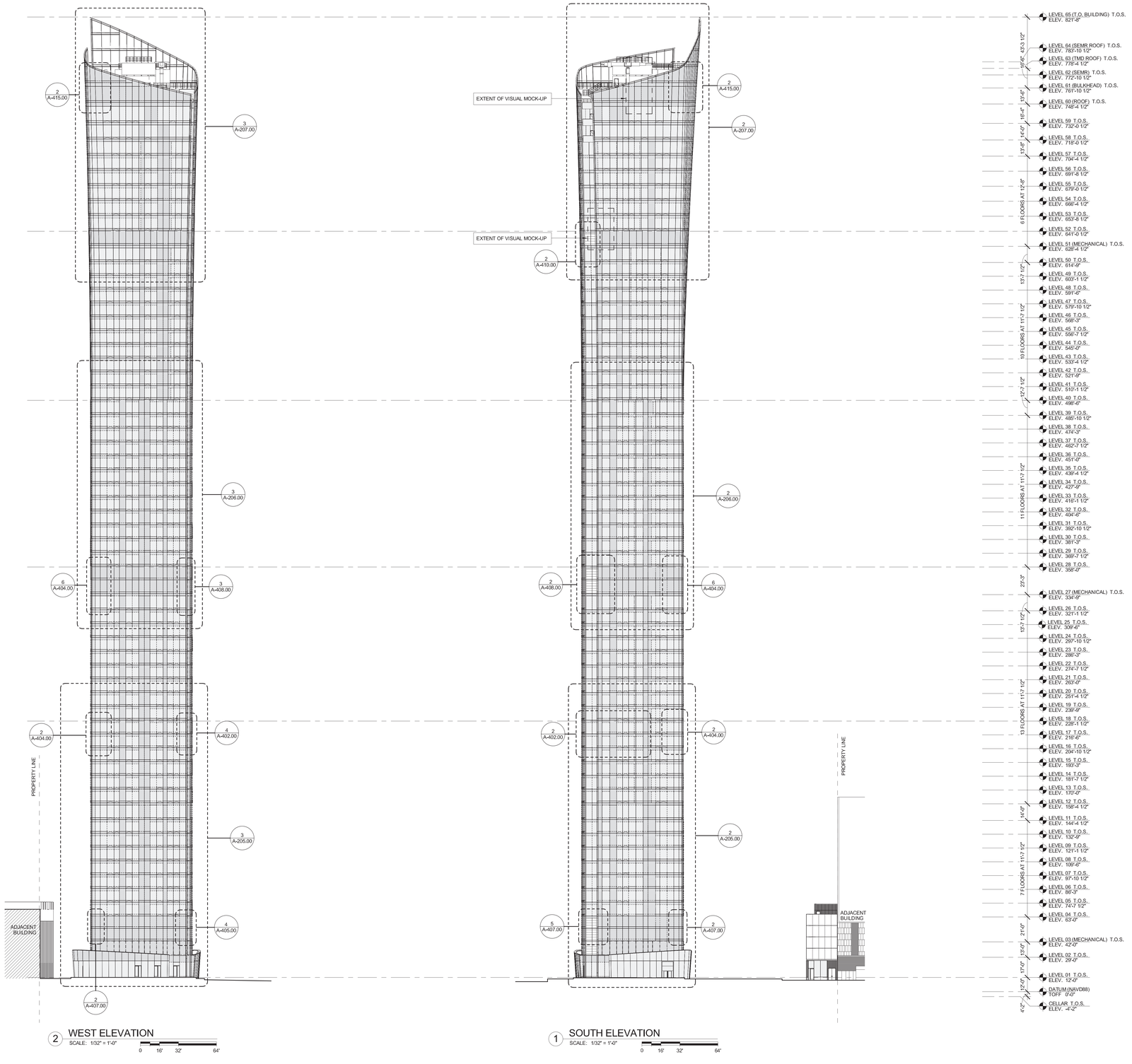
ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL1	VISION PANELS (EXCEPT THE REVEAL)
GL1 (T)	VISION GLASS BELOW 18" A.F.F.
GL1 (F)	OPERABLE WINDOWS
GL2	VISION GLASS @ REVEAL
GL3	CURVED VISION PANELS
GL4	SPANDREL & SHADOWBOX
GL5	SPANDREL & SHADOWBOX @ REVEAL
GL6	CURVED SPANDREL & SHADOWBOX
GL7	BALCONY GLASS RAILINGS
GL8	BALCONY DOOR GLAZING
GL9	STOREFRONT GLAZING
GL10	STOREFRONT ENTRANCE DOOR GLAZING FOR TOWER AND PAVILLION
A1	EXTERIOR MULLION COLOUR
A2	INTERIOR MULLION COLOUR
A3	SHADOWBOX COLOUR
A4	ARCHITECTURAL GRILLE @ MEP FLOORS
A5	BIRDSCEEN

KEY:

SPANDREL
VISION
RAILING
EX-1 LIGHTING
LOUVER

NOTE:
SEE L1 302 FOR EXTERIOR LIGHTING DIAGRAM.

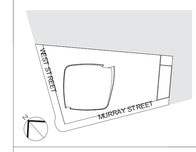
REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE



2 WEST ELEVATION
SCALE: 1/32" = 1'-0"
0 16' 32' 64'

1 SOUTH ELEVATION
SCALE: 1/32" = 1'-0"
0 16' 32' 64'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
OVERALL TOWER ELEVATIONS (SOUTH & WEST)

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOY STEPHEN TYLER
No. 026004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-201.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E557/08/05/2014 Scan Code

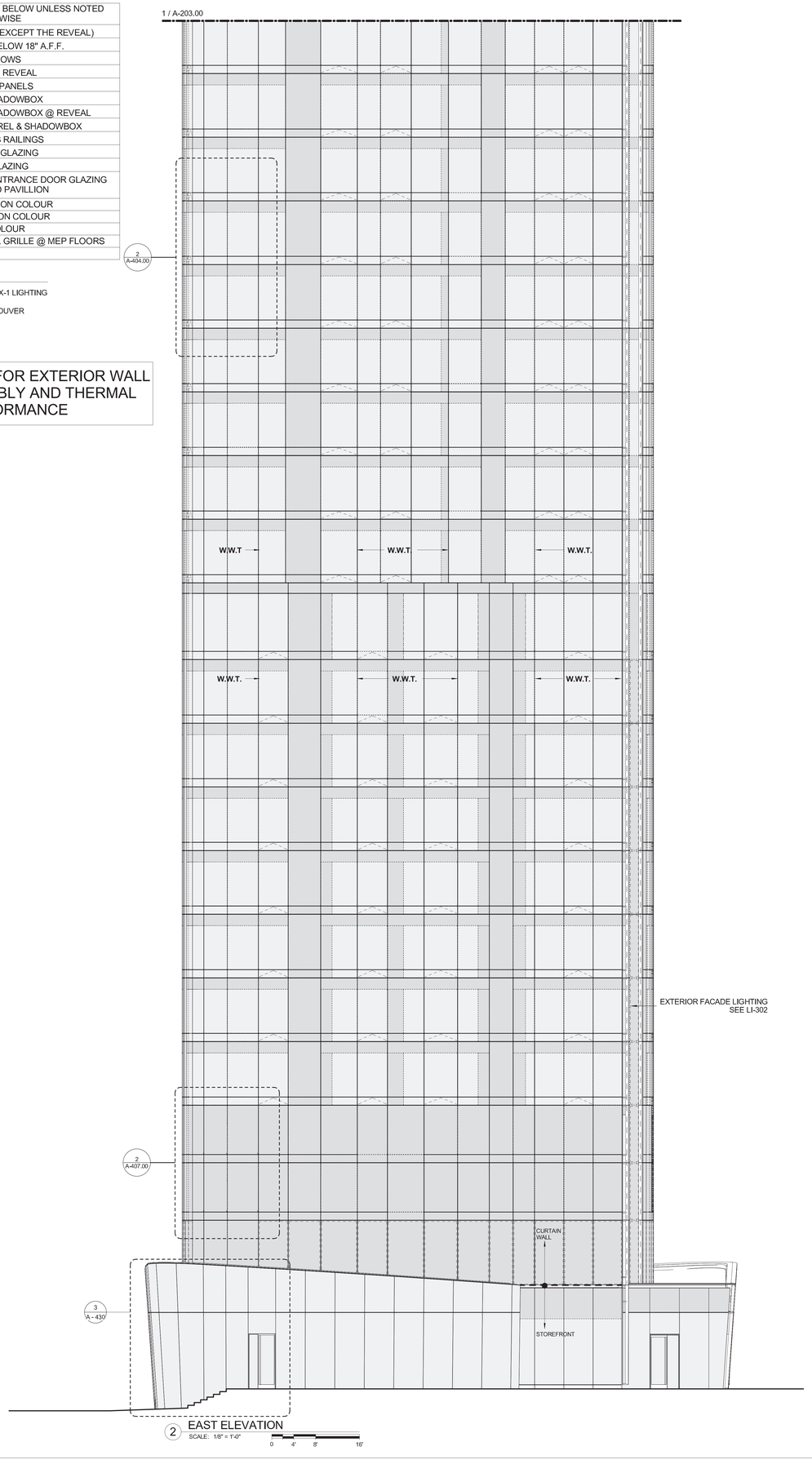
MATERIAL KEY NOTES:

ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL1	VISION PANELS (EXCEPT THE REVEAL)
GL1 (T)	VISION GLASS BELOW 18" A.F.F.
GL1 (F)	OPERABLE WINDOWS
GL2	VISION GLASS @ REVEAL
GL3	CURVED VISION PANELS
GL4	SPANDREL & SHADOWBOX
GL5	SPANDREL & SHADOWBOX @ REVEAL
GL6	CURVED SPANDREL & SHADOWBOX
GL7	BALCONY GLASS RAILINGS
GL8	BALCONY DOOR GLAZING
GL9	STOREFRONT GLAZING
GL10	STOREFRONT ENTRANCE DOOR GLAZING FOR TOWER AND PAVILLION
A1	EXTERIOR MULLION COLOUR
A2	INTERIOR MULLION COLOUR
A3	SHADOWBOX COLOUR
A4	ARCHITECTURAL GRILLE @ MEP FLOORS
A5	BIRDSCEEN

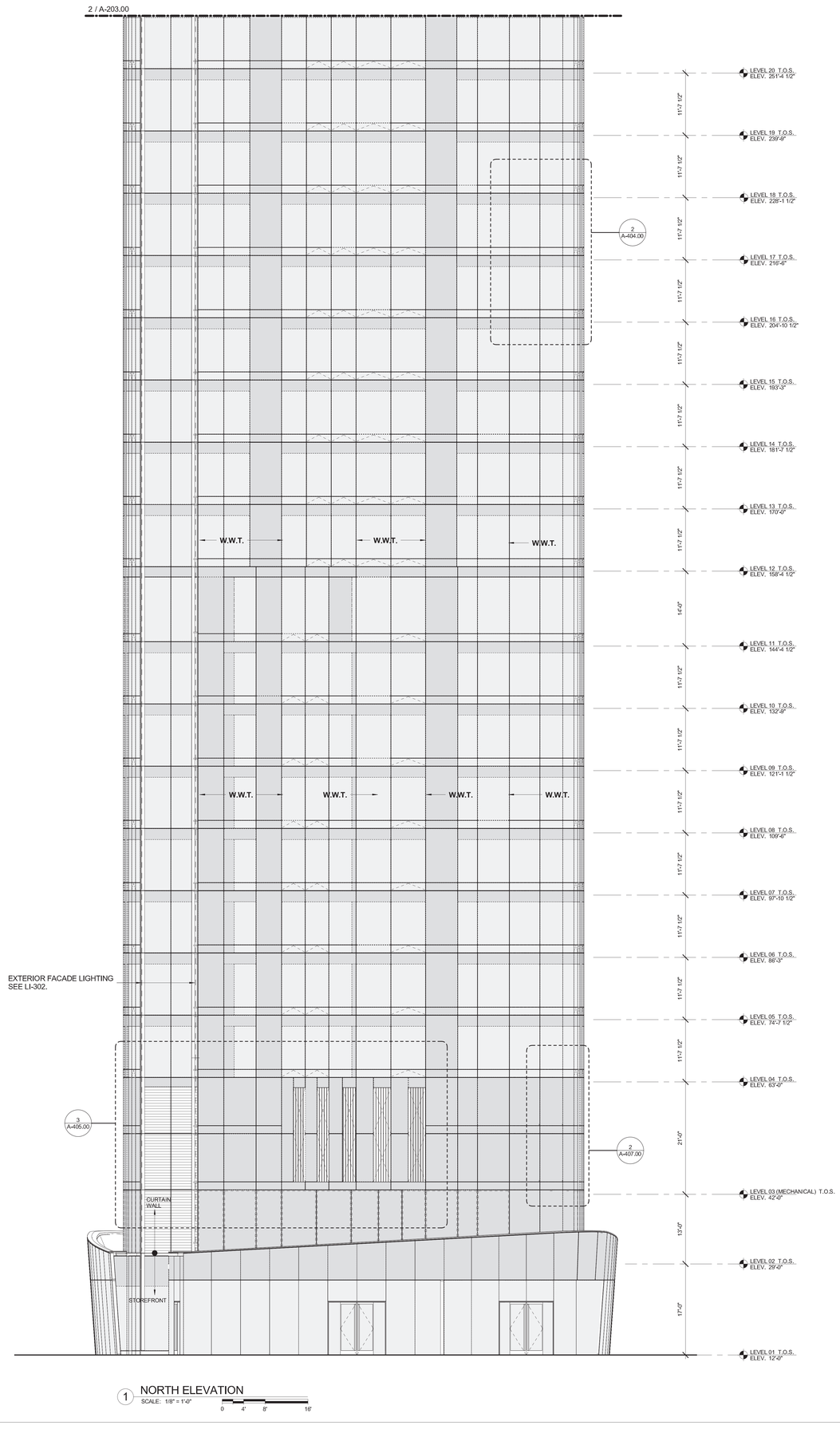
KEY:

- SPANDREL
- VISION
- RAILING
- EX-1 LIGHTING
- LOUVER

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE

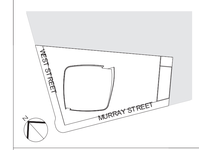


2 EAST ELEVATION
SCALE: 1/8" = 1'-0"
0 4' 8' 16'



1 NORTH ELEVATION
SCALE: 1/8" = 1'-0"
0 4' 8' 16'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171
FB THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
ENLARGED TOWER ELEVATIONS (NORTH & EAST)

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN YU
No. 026094
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-202.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E3515595835 Scan Code

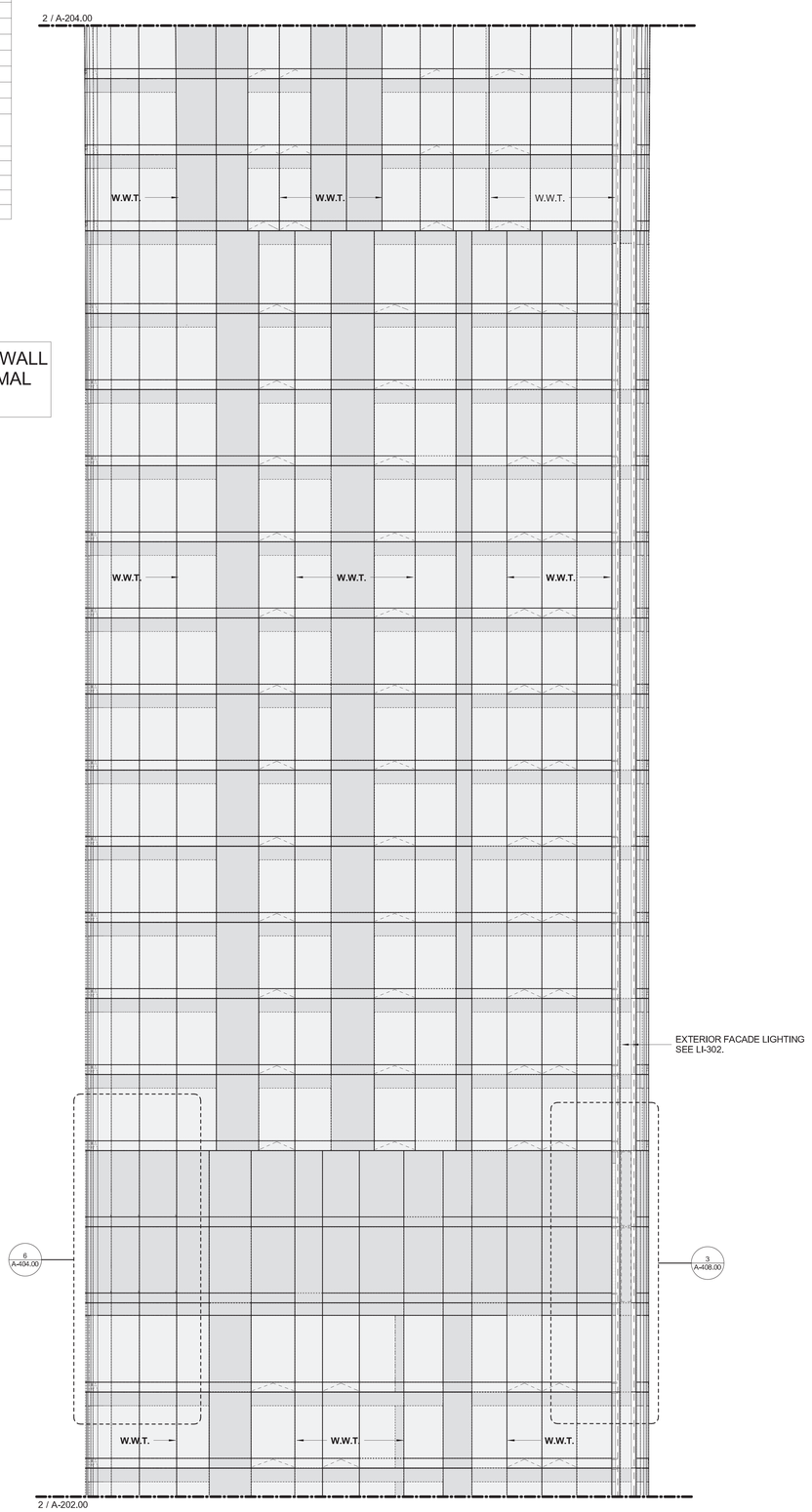
MATERIAL KEY NOTES:

ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL1	VISION PANELS (EXCEPT THE REVEAL)
GL1 (T)	VISION GLASS BELOW 18" A.F.F.
GL1 (F)	OPERABLE WINDOWS
GL2	VISION GLASS @ REVEAL
GL3	CURVED VISION PANELS
GL4	SPANDREL & SHADOWBOX
GL5	SPANDREL & SHADOWBOX @ REVEAL
GL6	CURVED SPANDREL & SHADOWBOX
GL7	BALCONY GLASS RAILINGS
GL8	BALCONY DOOR GLAZING
GL9	STOREFRONT GLAZING
GL10	STOREFRONT ENTRANCE DOOR GLAZING FOR TOWER AND PAVILLION
A1	EXTERIOR MULLION COLOUR
A2	INTERIOR MULLION COLOUR
A3	SHADOWBOX COLOUR
A4	ARCHITECTURAL GRILLE @ MEP FLOORS
A5	BIRDSCEEN

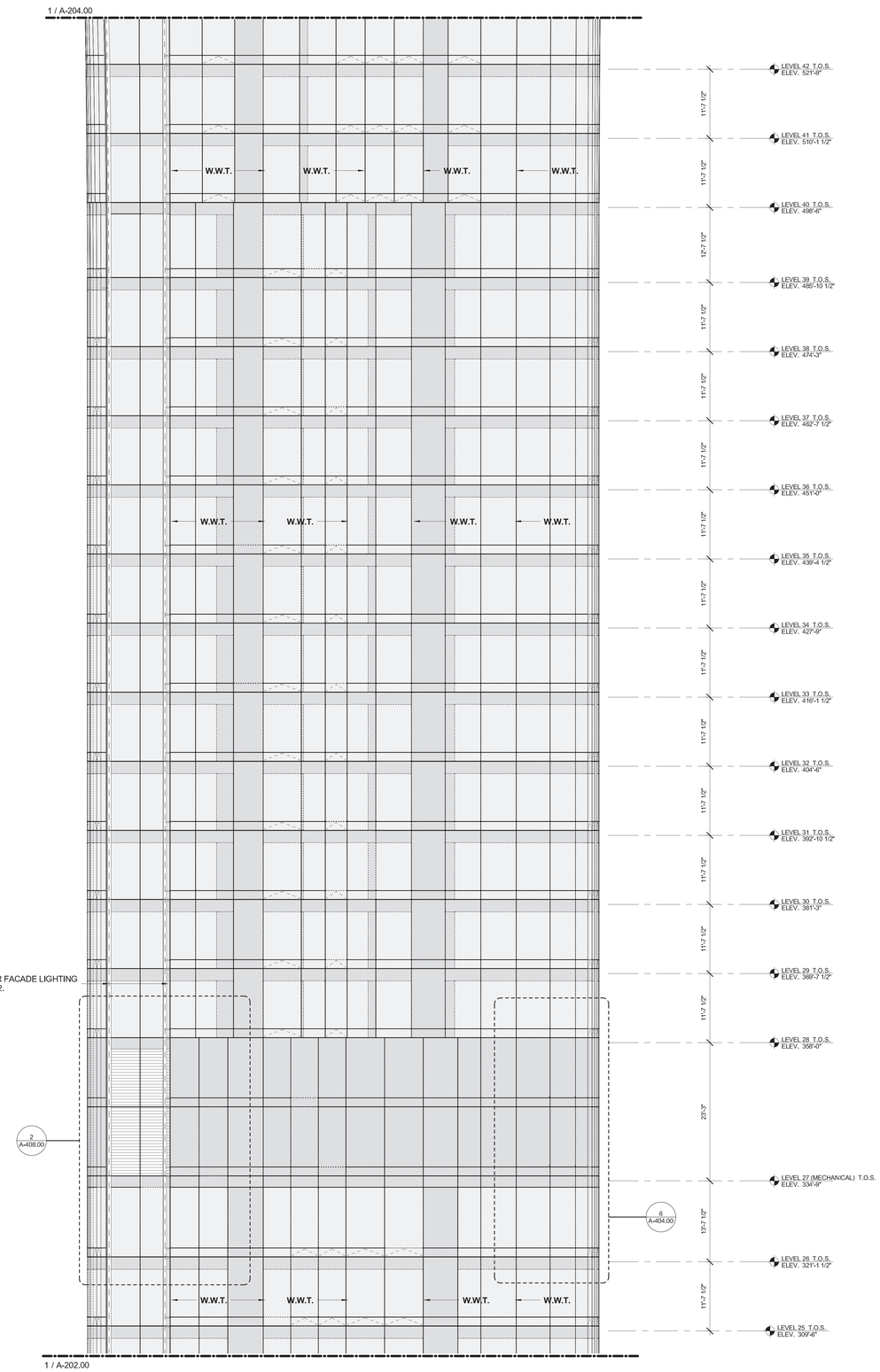
KEY:

SPANDREL
VISION
RAILING
EX-1 LIGHTING
LOUVER

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE

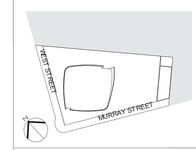


2 EAST ELEVATION
SCALE: 1/8" = 1'-0"
0 4' 8' 16'



1 NORTH ELEVATION
SCALE: 1/8" = 1'-0"
0 4' 8' 16'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171
FB THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
ENLARGED TOWER ELEVATIONS (NORTH & EAST)

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN YU
No. 026094
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-203.00
DWG NO.

DEPT OF BLDGS 121323.00 Job Number
ES1006425247 Scan Code

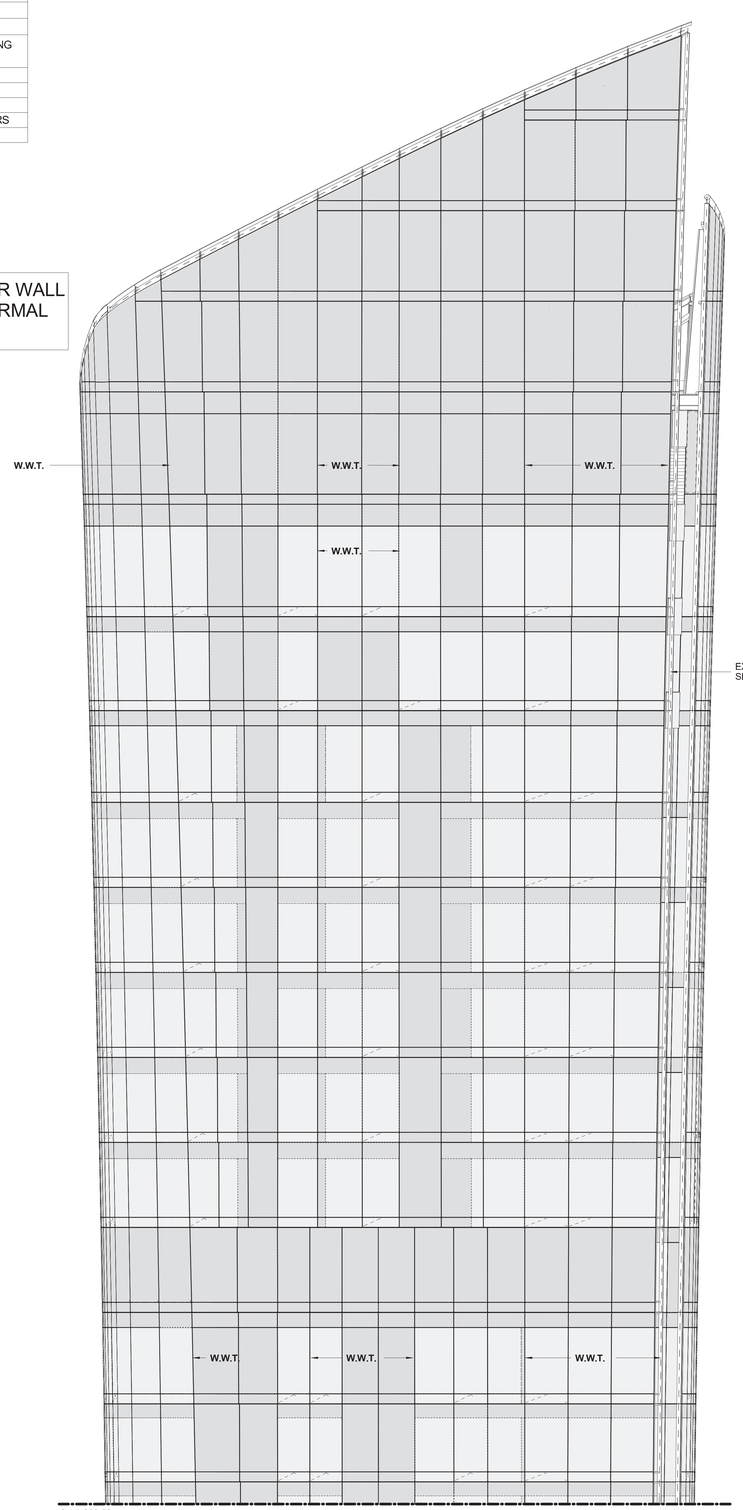
MATERIAL KEY NOTES:

ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL1	VISION PANELS (EXCEPT THE REVEAL)
GL1 (T)	VISION GLASS BELOW 18" A.F.F.
GL1 (F)	OPERABLE WINDOWS
GL2	VISION GLASS @ REVEAL
GL3	CURVED VISION PANELS
GL4	SPANDREL & SHADOWBOX
GL5	SPANDREL & SHADOWBOX @ REVEAL
GL6	CURVED & SHADOWBOX PANELS
GL7	BALCONY GLASS RAILINGS
GL8	BALCONY DOOR GLAZING
GL9	STOREFRONT GLAZING
GL10	STOREFRONT ENTRANCE DOOR GLAZING FOR TOWER AND PAVILLION
A1	EXTERIOR MULLION COLOUR
A2	INTERIOR MULLION COLOUR
A3	SHADOWBOX COLOUR
A4	ARCHITECTURAL GRILLE @ MEP FLOORS
A5	BIRDSCEEN

KEY:

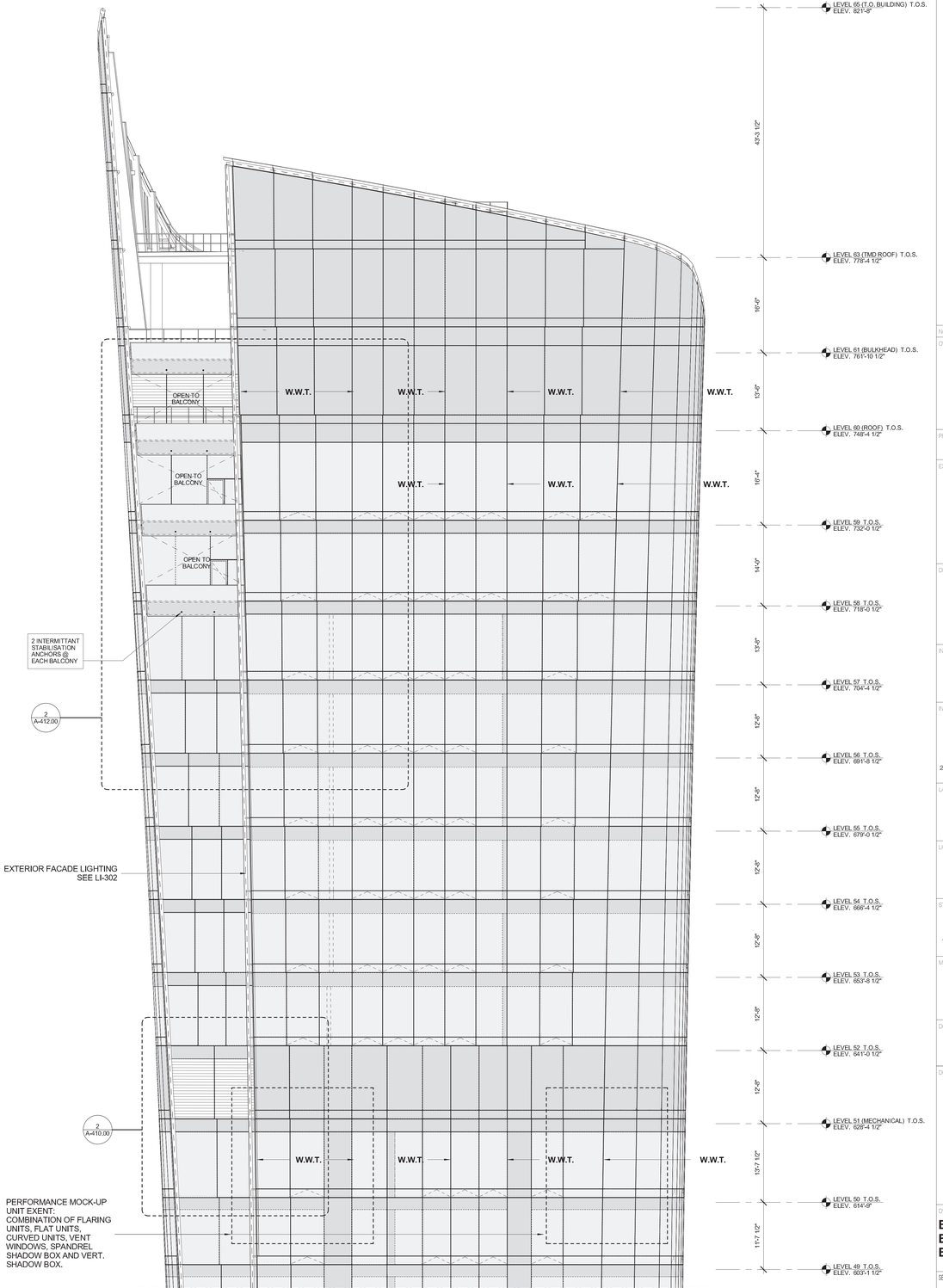
SPANDREL
VISION
RAILING
EX-1 LIGHTING
LOUVER

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE



2 / A-203.00

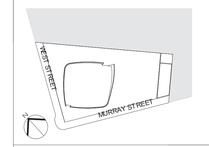
2 EAST ELEVATION
SCALE: 1/8" = 1'-0"
0 4' 8' 16'



1 / A-203.00

1 NORTH ELEVATION
SCALE: 1/8" = 1'-0"
0 4' 8' 16'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171
FB THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Borough Commissioner
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
ENLARGED TOWER ELEVATIONS (NORTH & EAST)

SEAL & SIGNATURE:
REGISTERED ARCHITECT
ISO STEPHEN HILL
026029
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-204.00

DEPT OF BLDGS 421323.00 Job Number
B3663492705 Scan Code

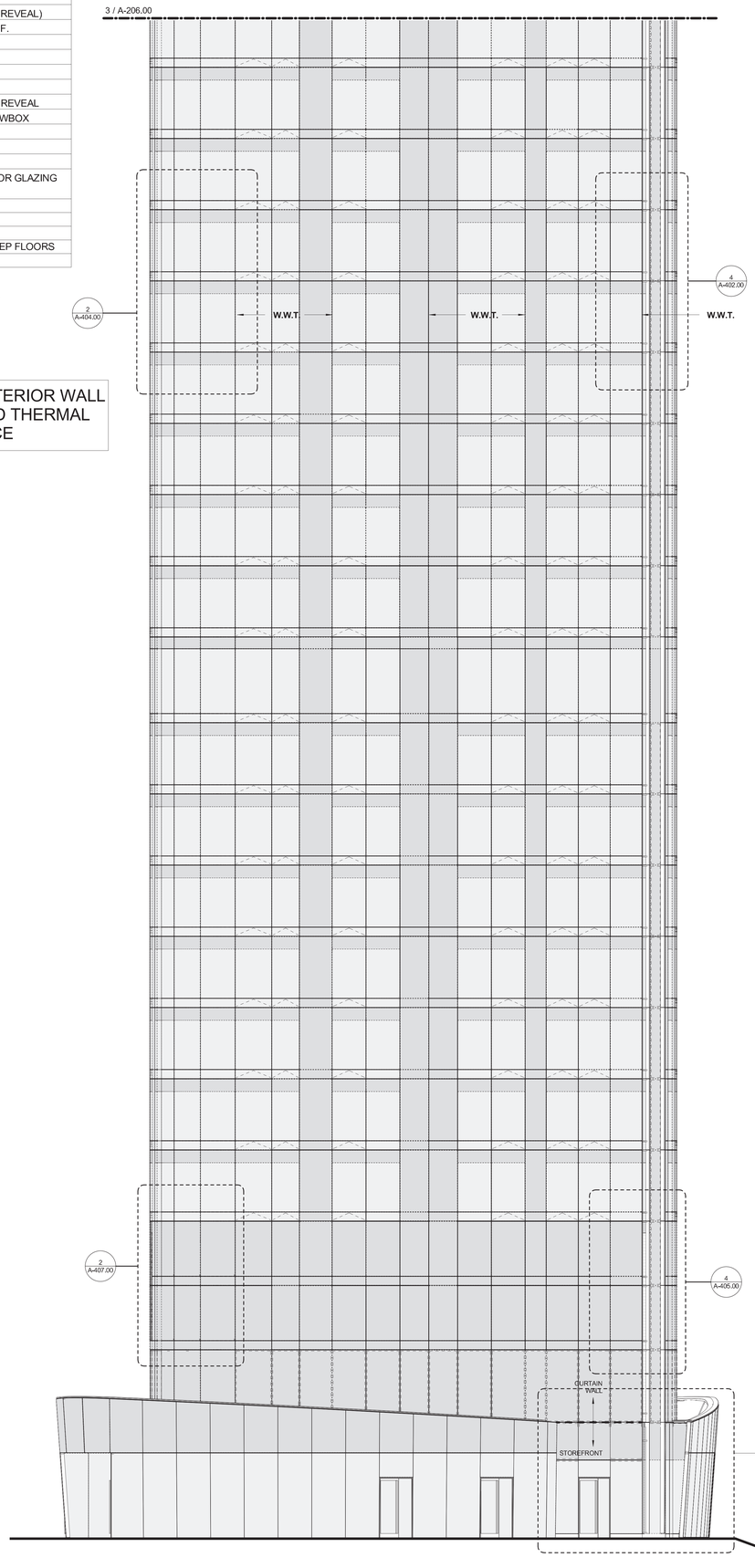
MATERIAL KEY NOTES:

ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL1	VISION PANELS (EXCEPT THE REVEAL)
GL1 (T)	VISION GLASS BELOW 18" A.F.F.
GL1 (F)	OPERABLE WINDOWS
GL2	VISION GLASS @ REVEAL
GL3	CURVED VISION PANELS
GL4	SPANDREL & SHADOWBOX
GL5	SPANDREL & SHADOWBOX @ REVEAL
GL6	CURVED SPANDREL & SHADOWBOX
GL7	BALCONY GLASS RAILINGS
GL8	BALCONY DOOR GLAZING
GL9	STOREFRONT GLAZING
GL10	STOREFRONT ENTRANCE DOOR GLAZING FOR TOWER AND PAVILLION
A1	EXTERIOR MULLION COLOUR
A2	INTERIOR MULLION COLOUR
A3	SHADOWBOX COLOUR
A4	ARCHITECTURAL GRILLE @ MEP FLOORS
A5	BIRDSCEEN

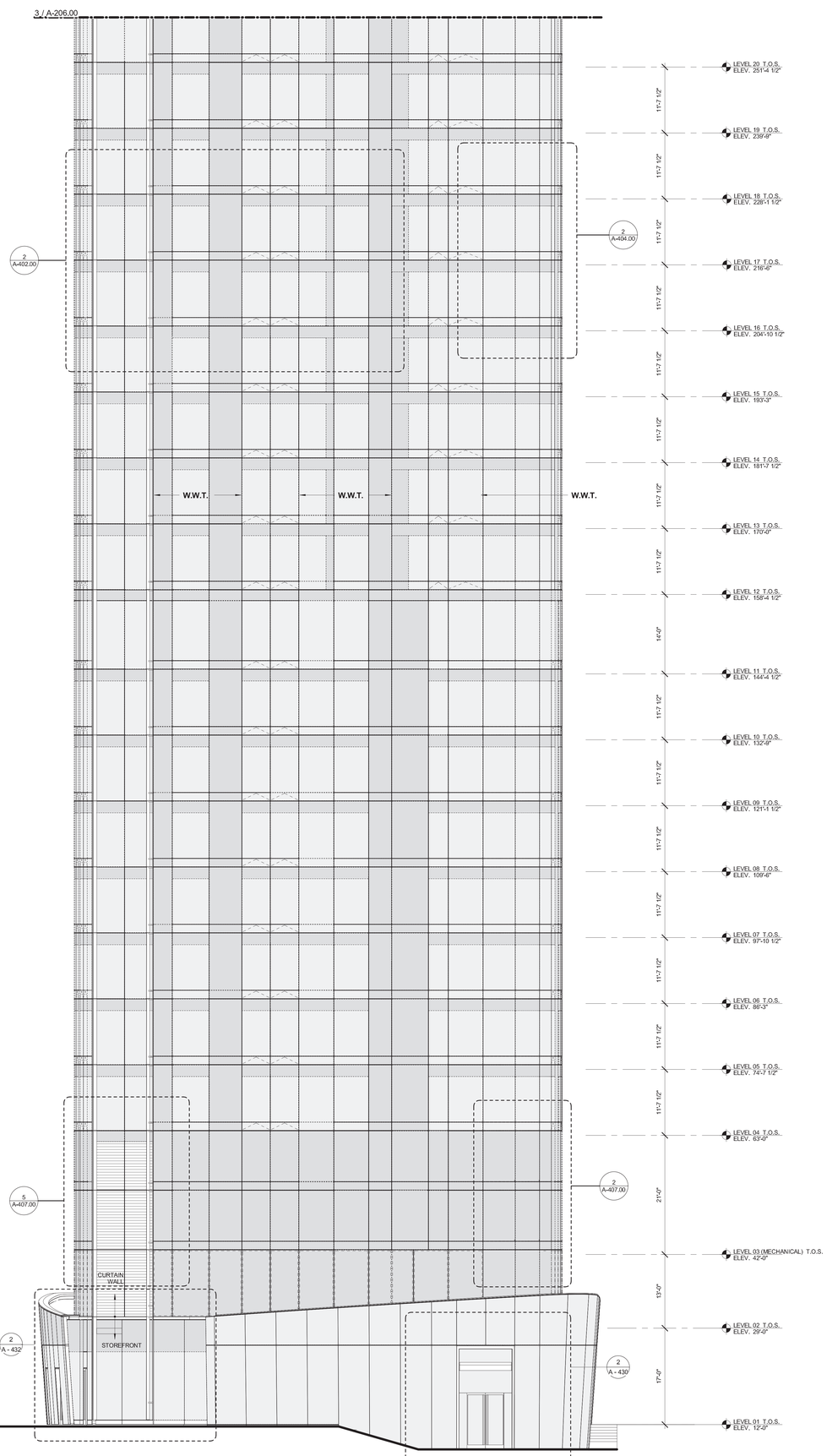
KEY:

SPANDREL
VISION
RAILING
EX-1 LIGHTING
LOUVER

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE

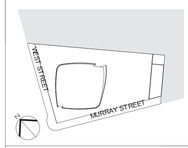


3 WEST ELEVATION
SCALE: 1/8" = 1'-0"
0 4' 8' 16'



2 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"
0 4' 8' 16'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

DWG TITLE:
ENLARGED TOWER ELEVATIONS (SOUTH & WEST)

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN TILL
LICENSED
No. 025004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-205.00
DWG NO.

DEPT OF BLDGS 121323.00 Job Number
ES7151005A0 Scan Code

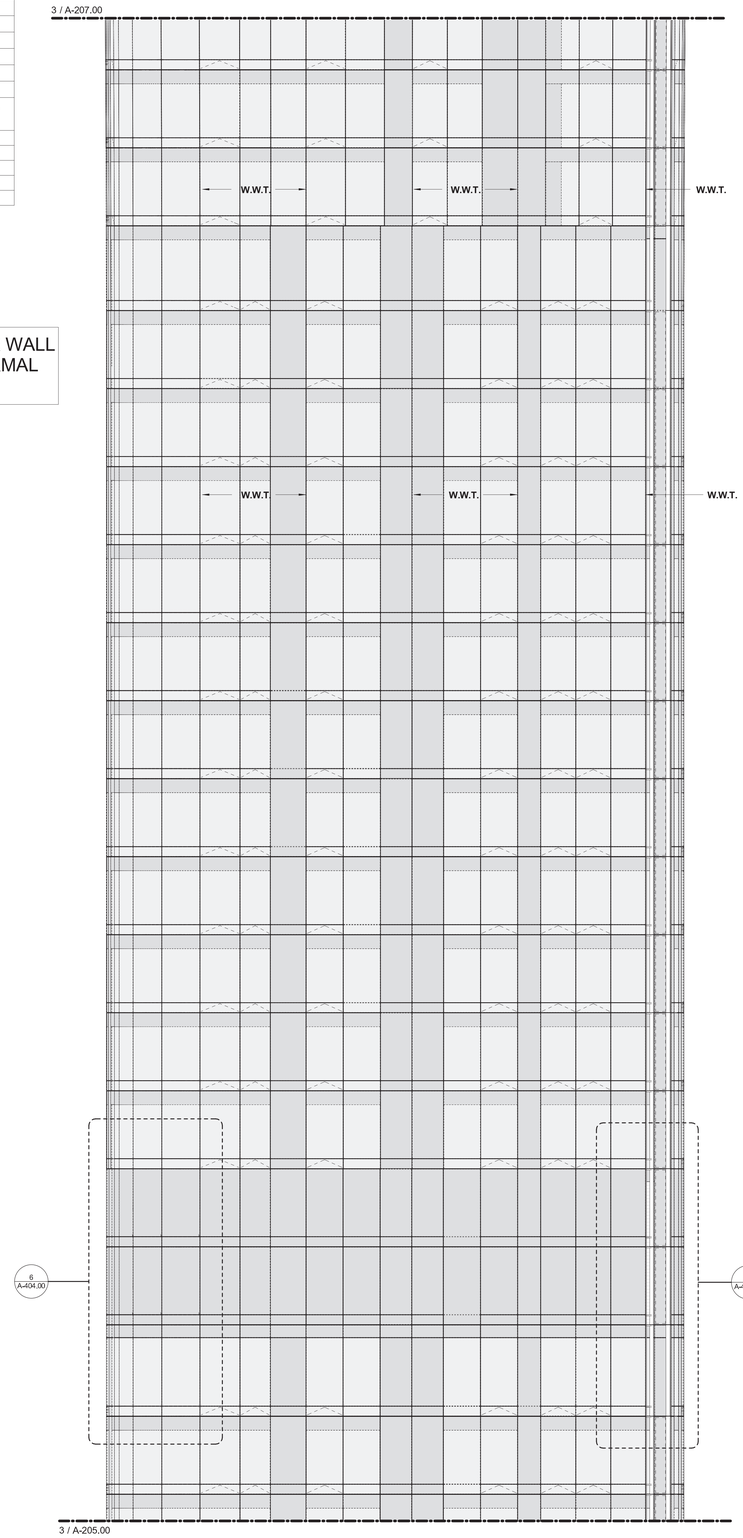
MATERIAL KEY NOTES:

ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL1	VISION PANELS (EXCEPT THE REVEAL)
GL1 (T)	VISION GLASS BELOW 18" A.F.F.
GL1 (F)	OPERABLE WINDOWS
GL2	VISION GLASS @ REVEAL
GL3	CURVED VISION PANELS
GL4	SPANDREL & SHADOWBOX
GL5	SPANDREL & SHADOWBOX @ REVEAL
GL6	CURVED SPANDREL & SHADOWBOX
GL7	BALCONY GLASS RAILINGS
GL8	BALCONY DOOR GLAZING
GL9	STOREFRONT GLAZING
GL10	STOREFRONT ENTRANCE DOOR GLAZING FOR TOWER AND PAVILLION
A1	EXTERIOR MULLION COLOUR
A2	INTERIOR MULLION COLOUR
A3	SHADOWBOX COLOUR
A4	ARCHITECTURAL GRILLE @ MEP FLOORS
A5	BIRDSCEEN

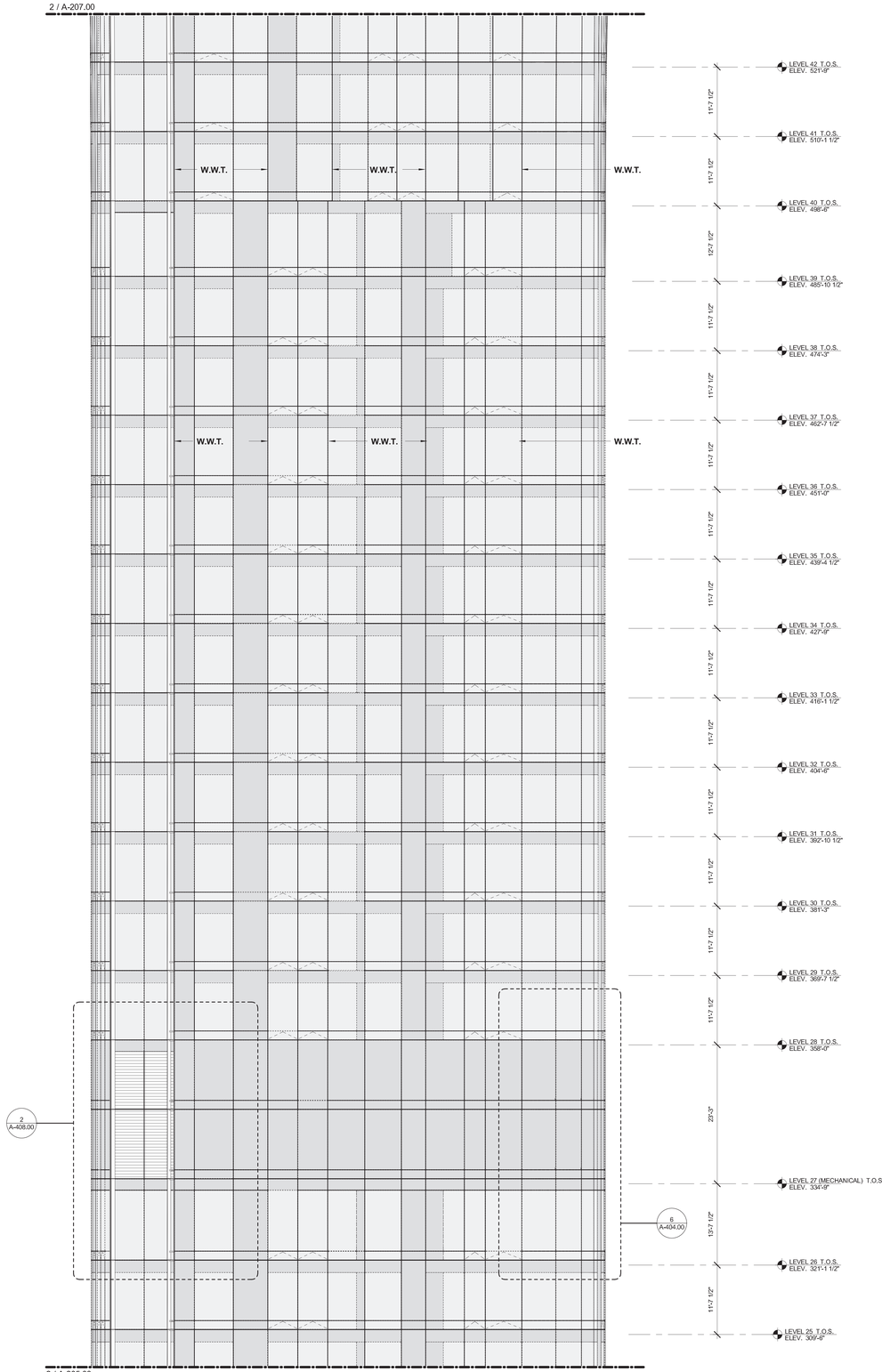
KEY:

SPANDREL
VISION
RAILING
EX-1 LIGHTING
LOUVER

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE

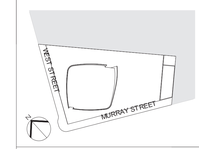


3 WEST ELEVATION
SCALE: 1/8" = 1'-0"
0 4' 8' 16'



2 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"
0 4' 8' 16'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
ENLARGED TOWER ELEVATIONS (SOUTH & WEST)

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN YU
No. 026094
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-206.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number

ES3145719YS Scan Code

MATERIAL KEY NOTES:

ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL1	VISION PANELS (EXCEPT THE REVEAL)
GL1 (T)	VISION GLASS BELOW 18" A.F.F.
GL1 (F)	OPERABLE WINDOWS
GL2	VISION GLASS @ REVEAL
GL3	CURVED VISION PANELS
GL4	SPANDREL & SHADOWBOX
GL5	SPANDREL & SHADOWBOX @ REVEAL
GL6	CURVED SPANDREL & SHADOWBOX
GL7	BALCONY GLASS RAILINGS
GL8	BALCONY DOOR GLAZING
GL9	STOREFRONT GLAZING
GL10	STOREFRONT ENTRANCE DOOR GLAZING FOR TOWER AND PAVILLION
A1	EXTERIOR MULLION COLOUR
A2	INTERIOR MULLION COLOUR
A3	SHADOWBOX COLOUR
A4	ARCHITECTURAL GRILLE @ MEP FLOORS
A5	BIRDSCEEN

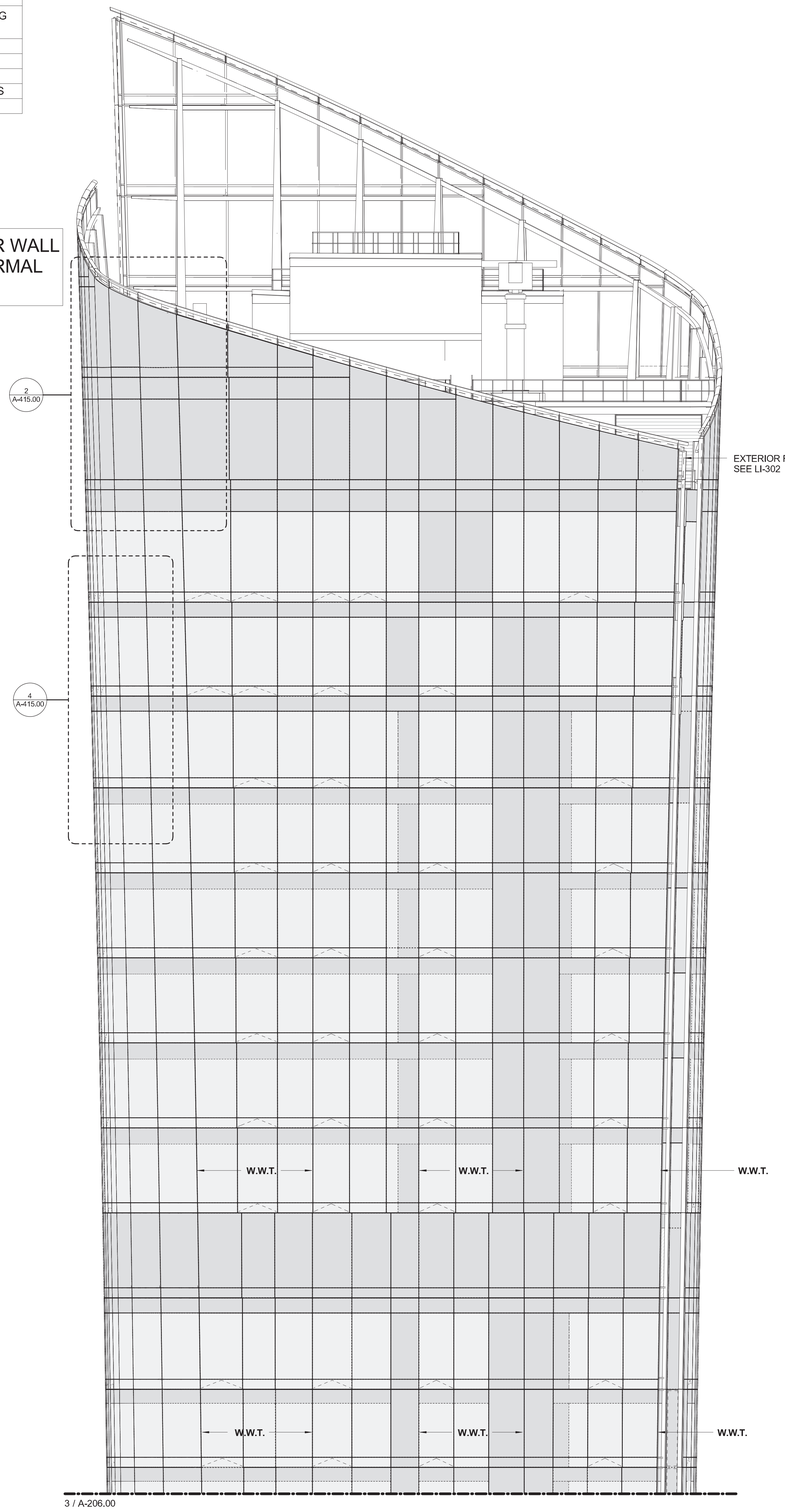
KEY:

SPANDREL | EX-1 LIGHTING

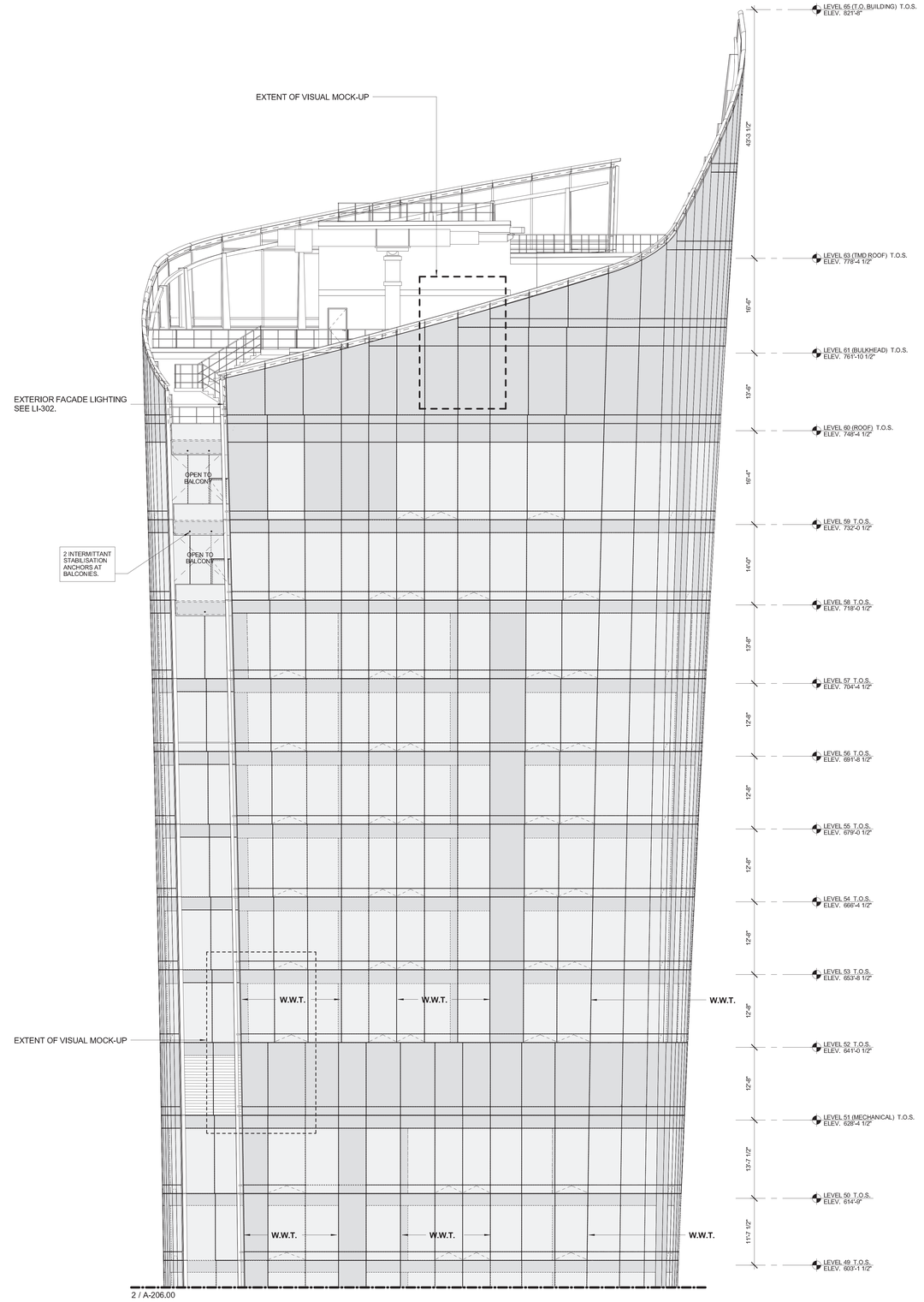
VISION | LOUVER

RAILING

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE

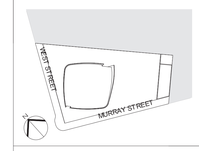


3 WEST ELEVATION
SCALE: 1/8" = 1'-0"
0 4' 8' 16'



2 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"
0 4' 8' 16'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

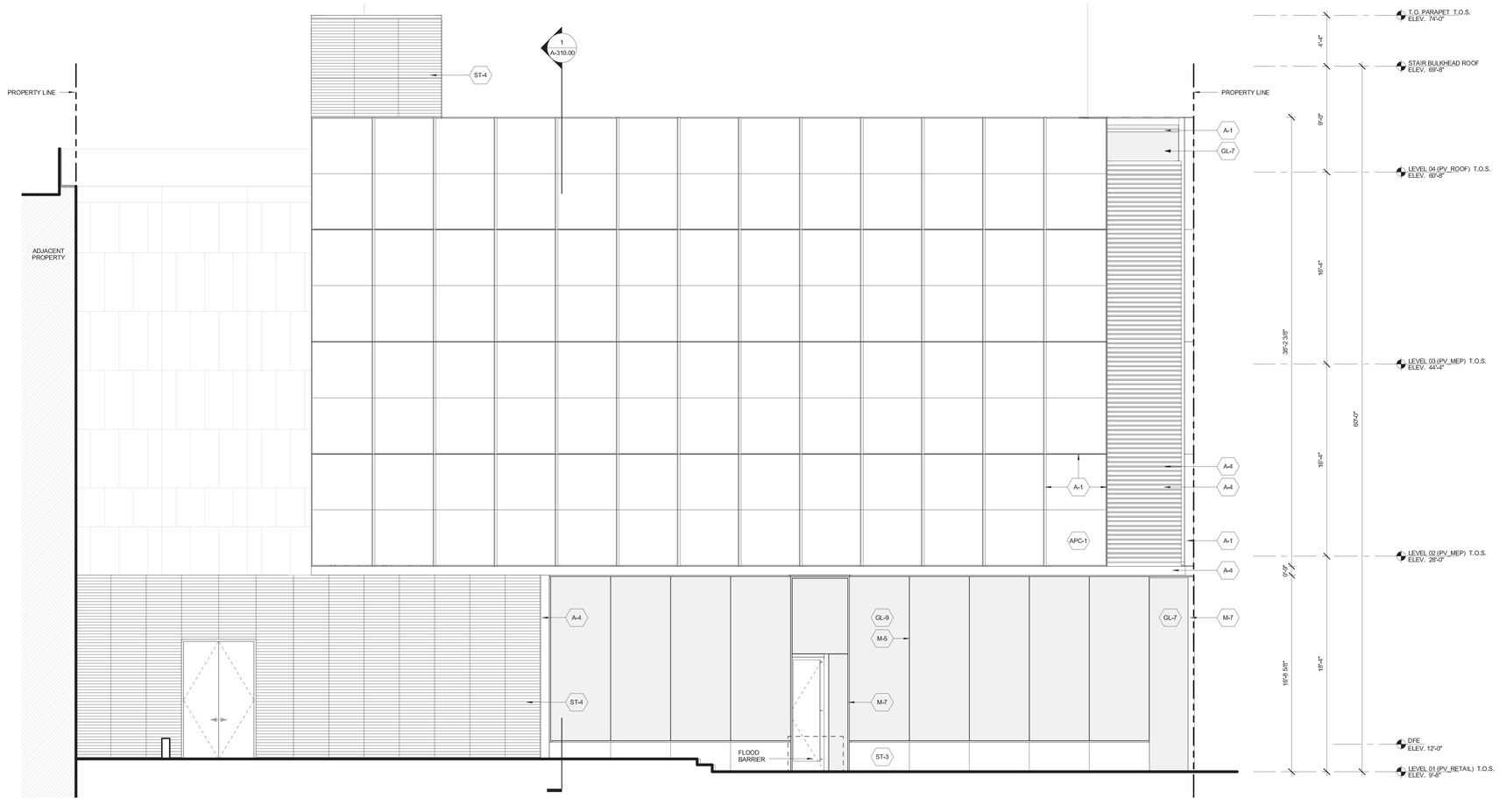
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
ENLARGED TOWER ELEVATIONS (SOUTH & WEST)

SEAL & SIGNATURE:
REGISTERED ARCHITECT
DAVID STEPHEN HILL
No. 026004
STATE OF NEW YORK

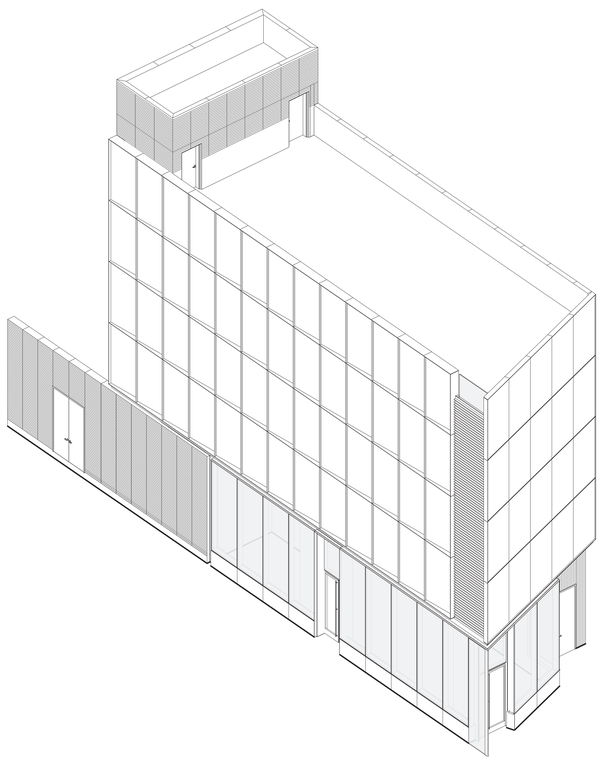
DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-207.00
DWG NO.

DEPT OF BLDGS 3013323.0 Job Number
ES91657534 Scan Code

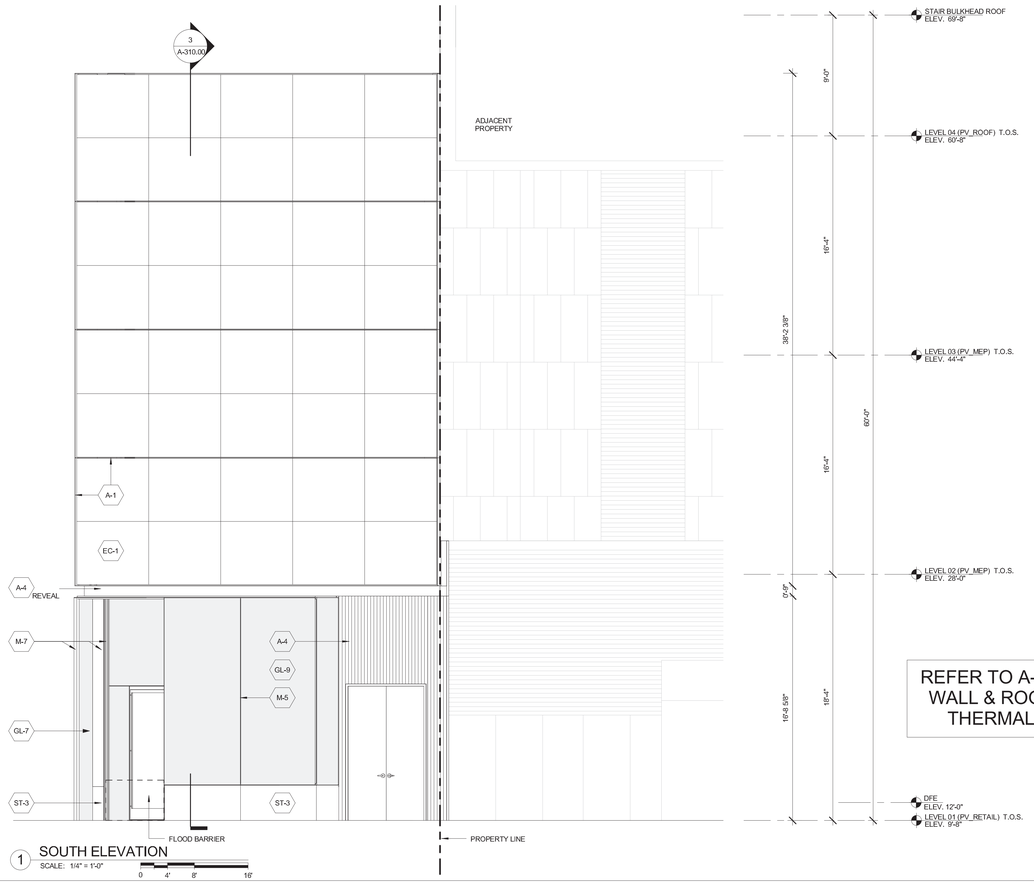


2 WEST ELEVATION
SCALE: 1/4" = 1'-0"
0 4' 8' 16'

KEY:
- SPANDREL
- VISION
- RAILING GLASS



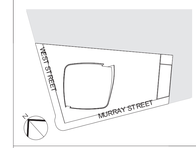
3 3D VIEW
SCALE:



1 SOUTH ELEVATION
SCALE: 1/4" = 1'-0"
0 4' 8' 16'

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

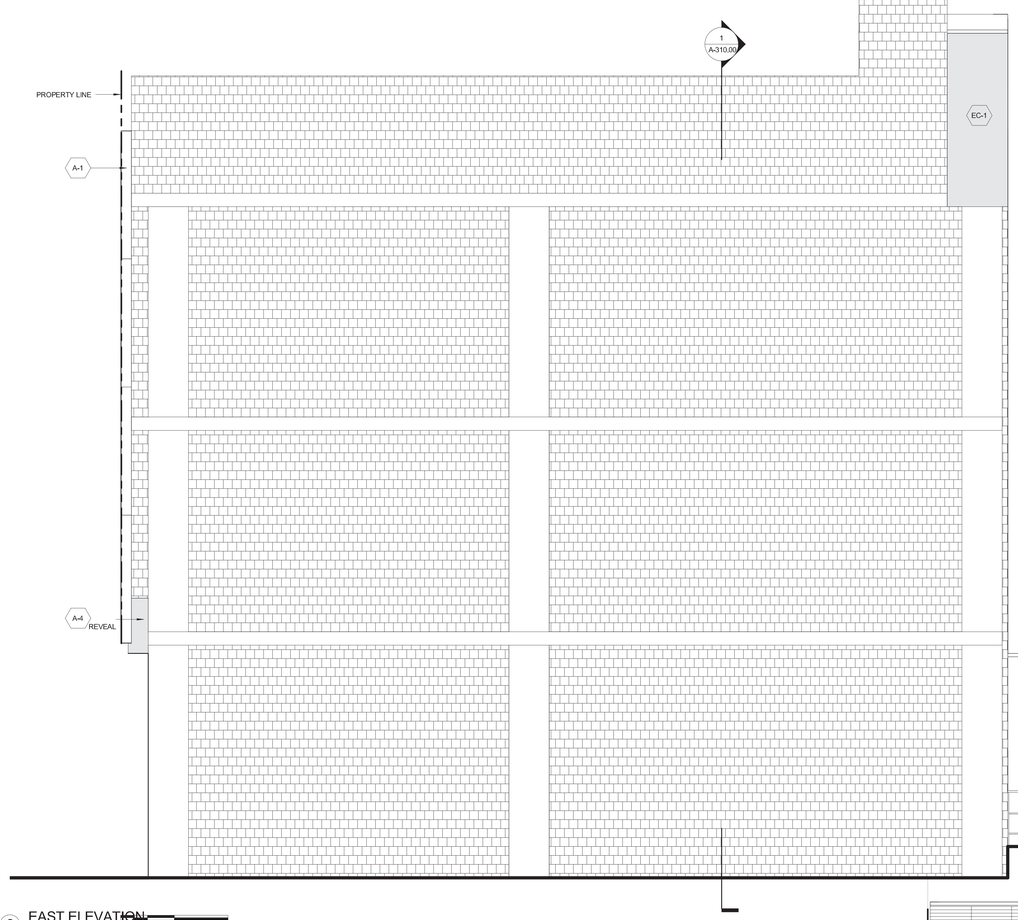
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
PAVILION ELEVATIONS (SOUTH & WEST)

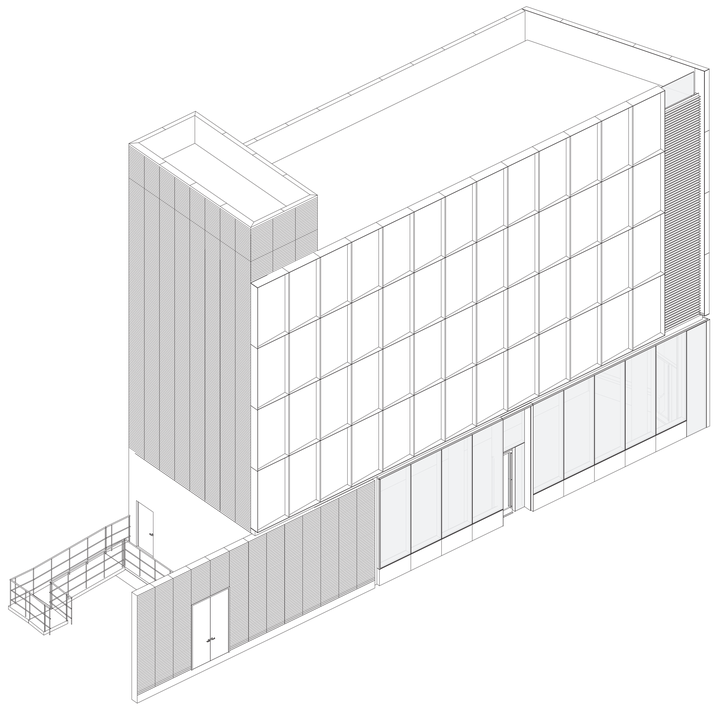
SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN MILL
No. 026604
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
DWG NO. A-210.00

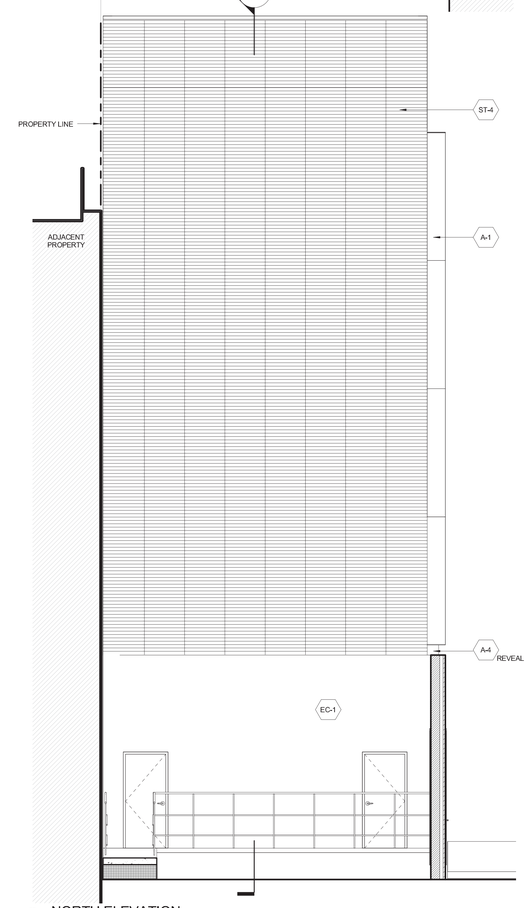
DEPT OF BLDGS 122132110 Job Number
E340016890S5 Scan Code



2 EAST ELEVATION
SCALE: 1/4" = 1'-0"
0 4' 8' 16'



3 3D VIEW
SCALE:

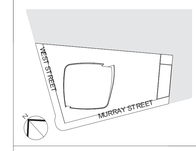


1 NORTH ELEVATION
SCALE: 1/4" = 1'-0"
0 4' 8' 16'

KEY:
- SPANDREL
- VISION
- RAILING GLASS

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE

KEY PLAN



Number	Date	Revision
3	03/09/15	DOB ISSUE09/15/14
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

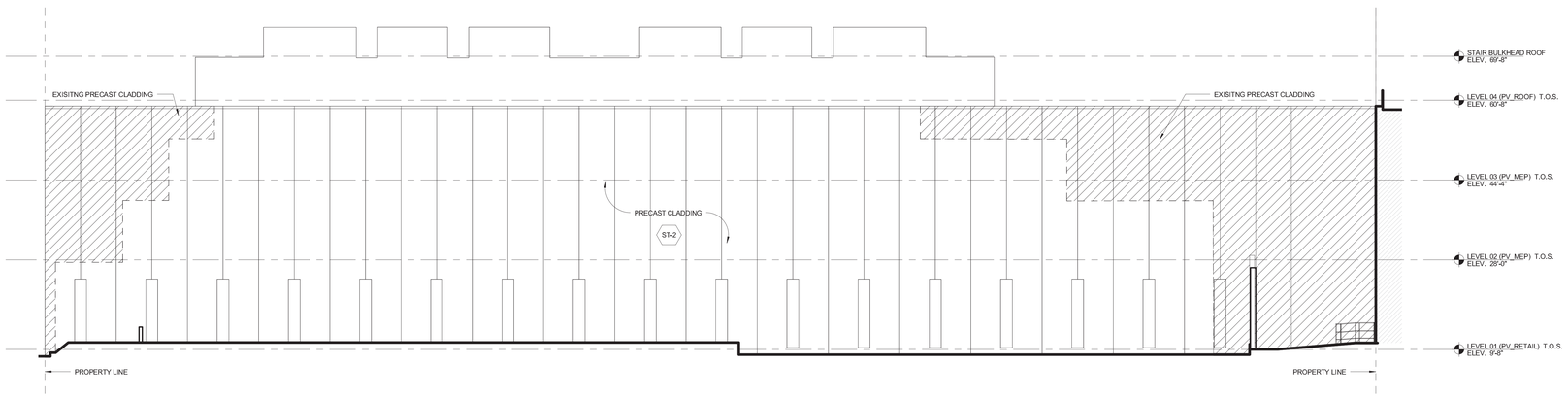
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/10/2015
NYC Development Hub

DWG TITLE:
PAVILION ELEVATIONS (NORTH & EAST)

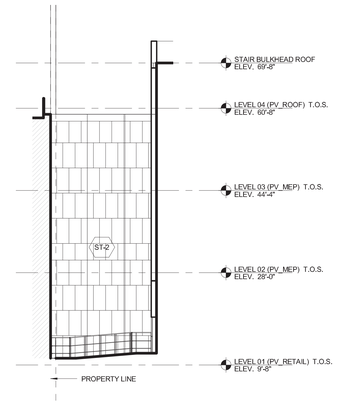
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. HILL
No. 026004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-211.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E387763365 Scan Code

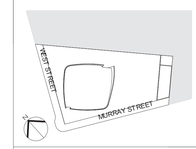


2 NORTH SITE ELEVATION
SCALE: 3/32" = 1'-0"



1 EAST YARD ELEVATION
SCALE: 3/32" = 1'-0"

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

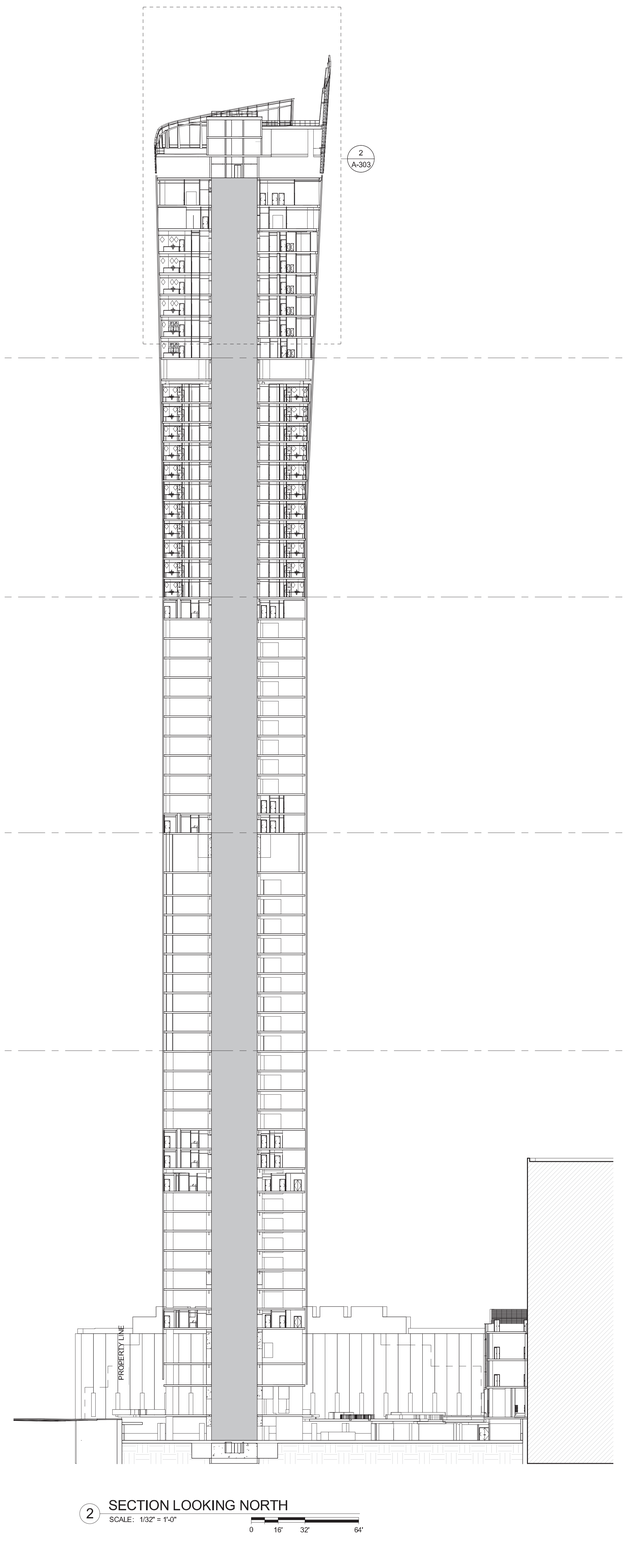
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SITE ELEVATIONS

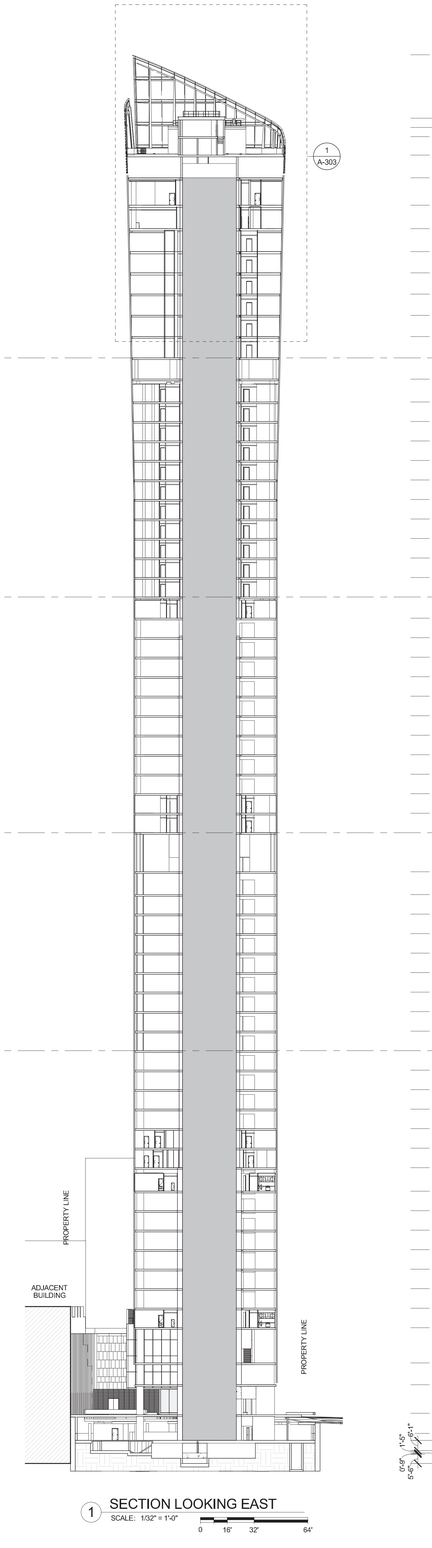
SEAL & SIGNATURE:
REGISTERED ARCHITECT
IAN STEPHEN HILL
026004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 3/32" = 1'-0"
A-212.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E350057617F Scan Code

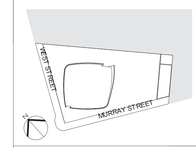


2 SECTION LOOKING NORTH
SCALE: 1/32" = 1'-0"
0 16' 32' 64'



1 SECTION LOOKING EAST
SCALE: 1/32" = 1'-0"
0 16' 32' 64'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473-0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

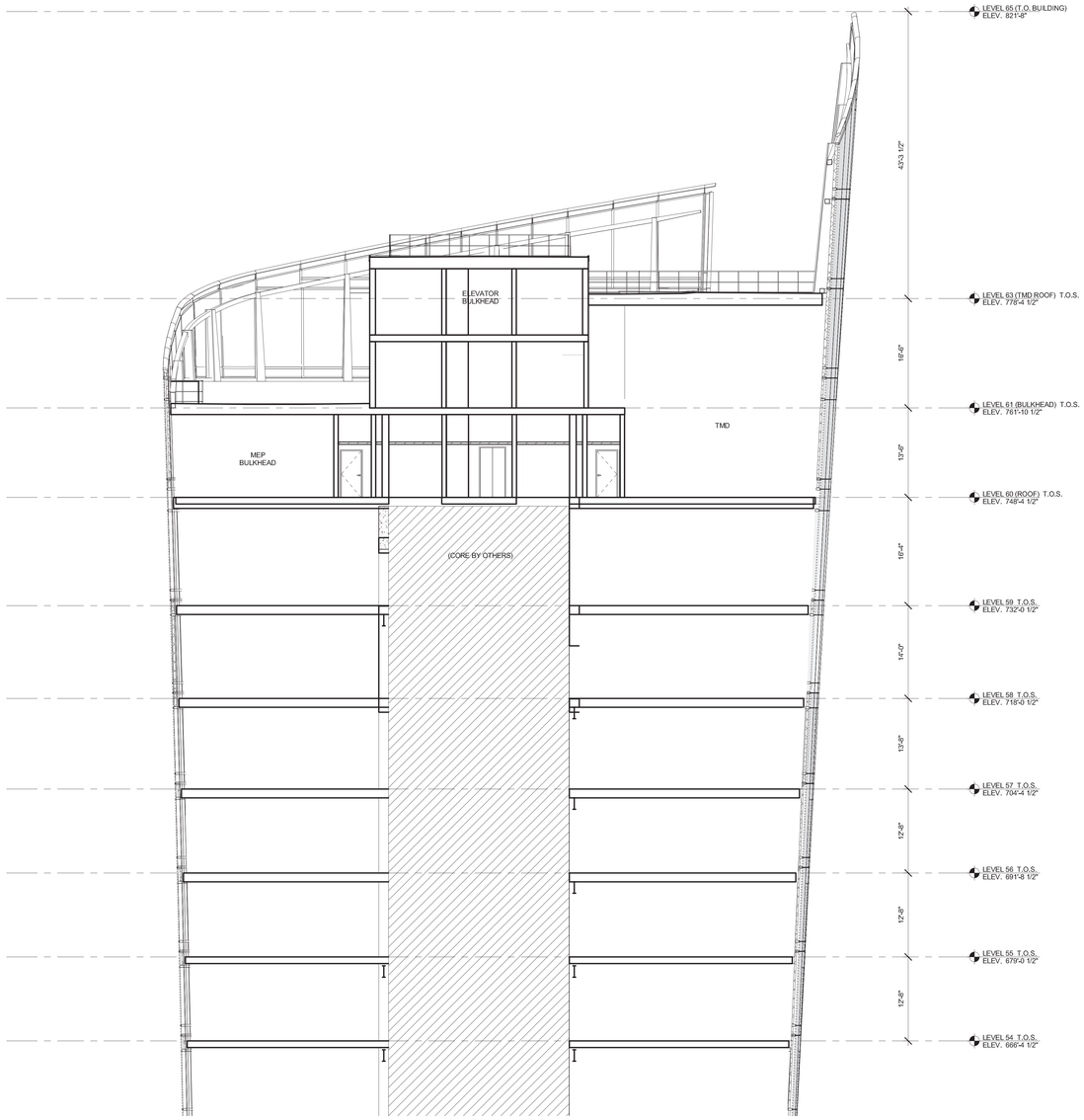
DWG TITLE:
NORTH & EAST OVERALL TOWER SECTIONS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN MCCUE
OF NEW YORK

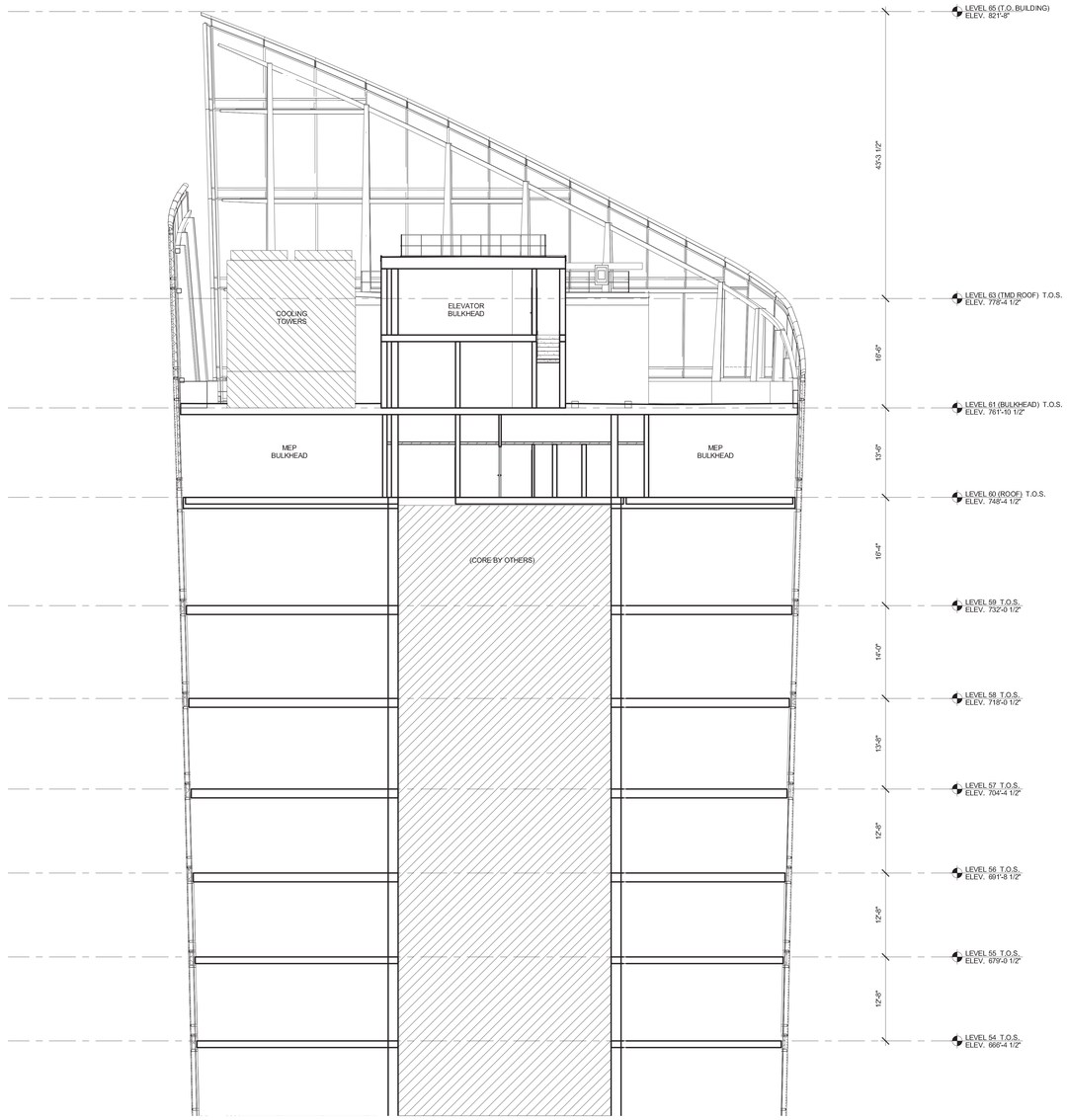
DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/32" = 1'-0"
A-300.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number

E1510052689 Scan Code

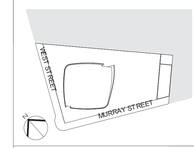


2 SECTION LOOKING NORTH
SCALE: 1/8" = 1'-0"
0 4' 8' 16'



1 SECTION LOOKING EAST
SCALE: 1/8" = 1'-0"
0 4' 8' 16'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

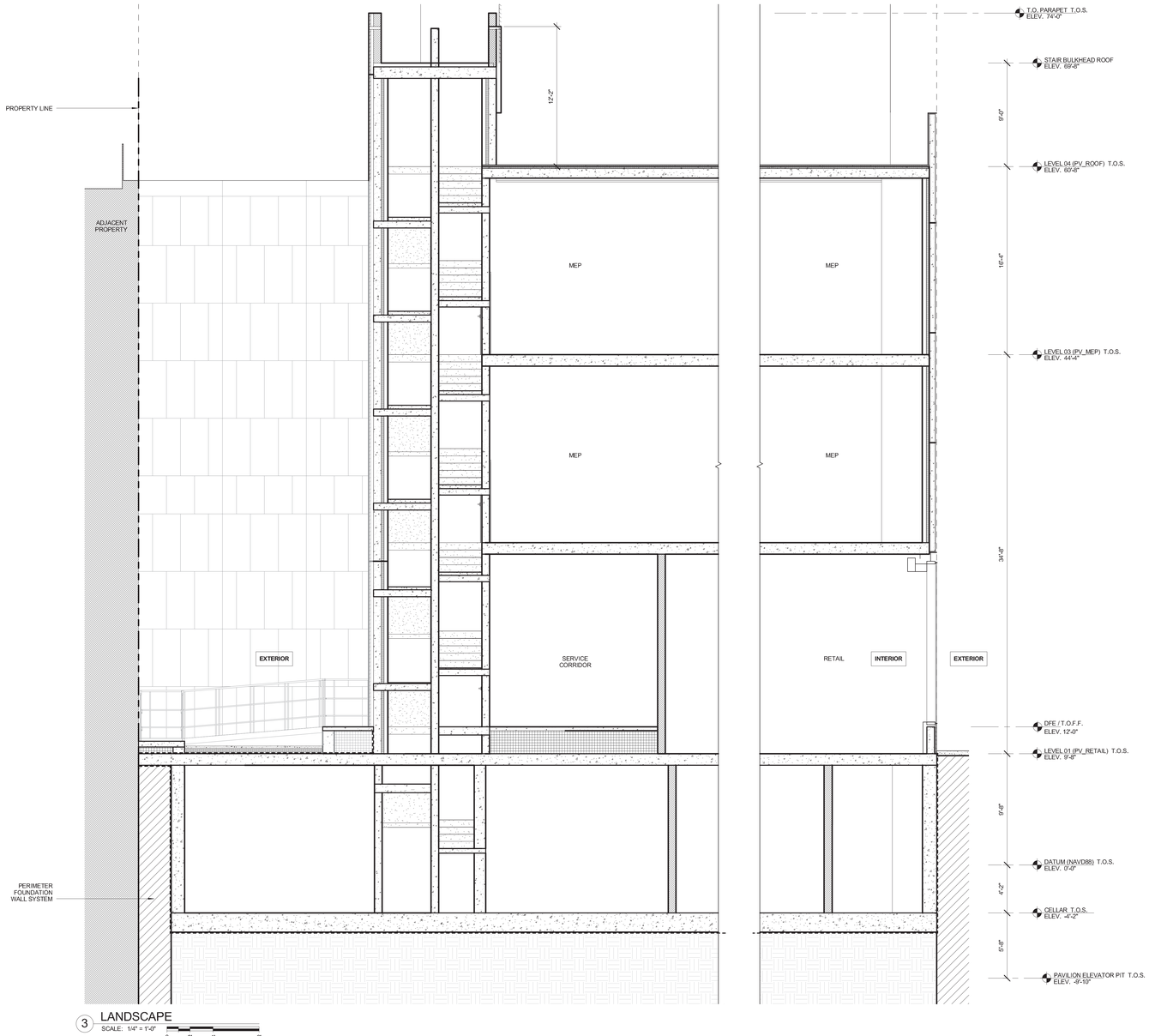
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
ENLARGED TOWER SECTIONS

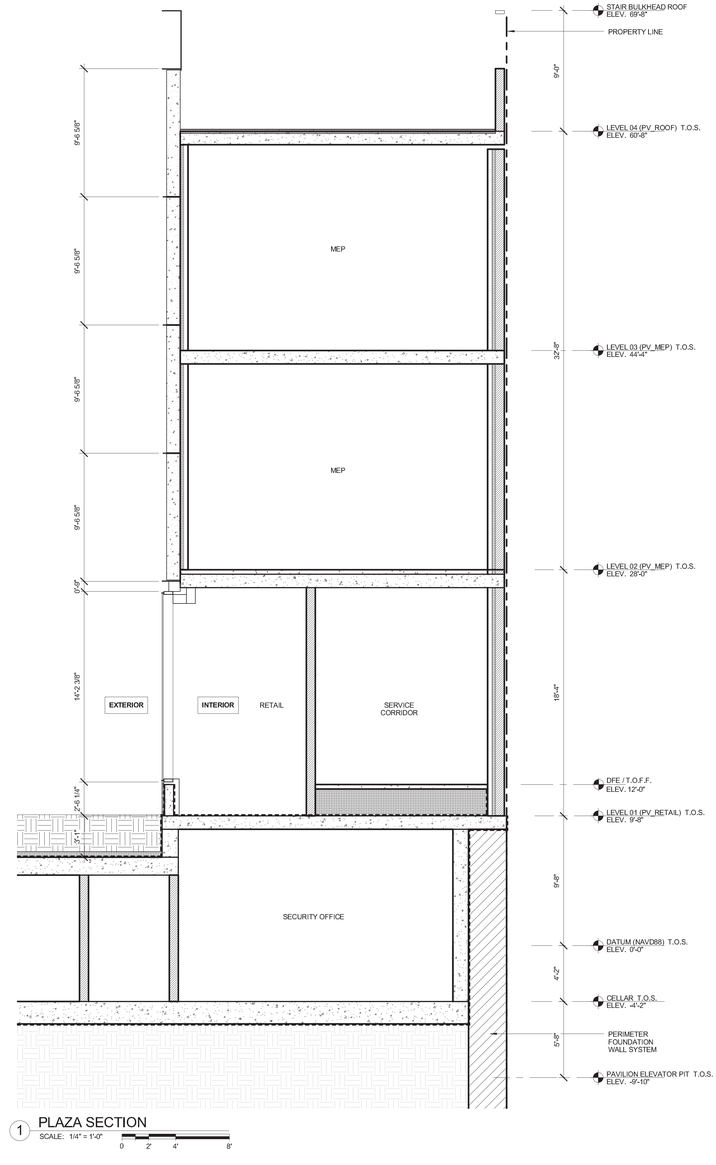
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. KLEIN
No. 025094
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/8" = 1'-0"
A-303.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E5335893954 Scan Code

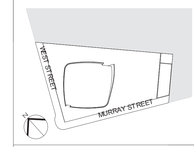


3 LANDSCAPE
SCALE: 1/4" = 1'-0"
0 2' 4' 8'



1 PLAZA SECTION
SCALE: 1/4" = 1'-0"
0 2' 4' 8'

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

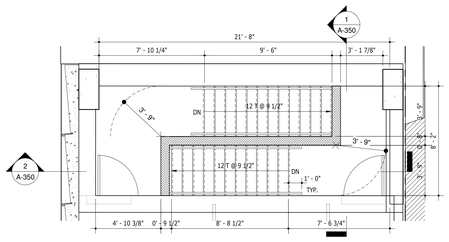
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SECTIONS - CELLAR/FOUNDATION WALLS

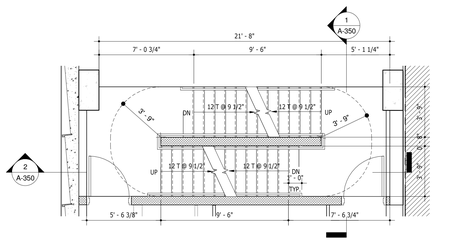
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. Y.
LICENSE NO. 025054
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/4" = 1'-0"
DWG NO: A-310.00

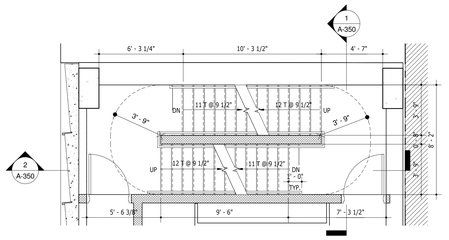
DEPT OF BLDGS 122132110 Job Number
E350174437E Scan Code



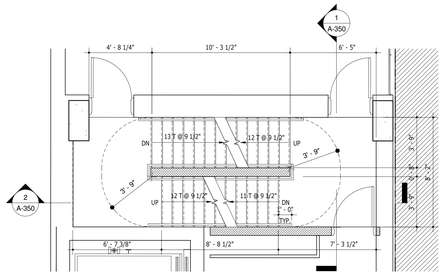
7 STAIR PLAN PAVILION ROOF
1/4" = 1'-0"



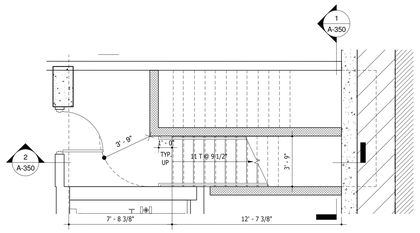
6 STAIR PLAN PAVILION LEVEL 3
1/4" = 1'-0"



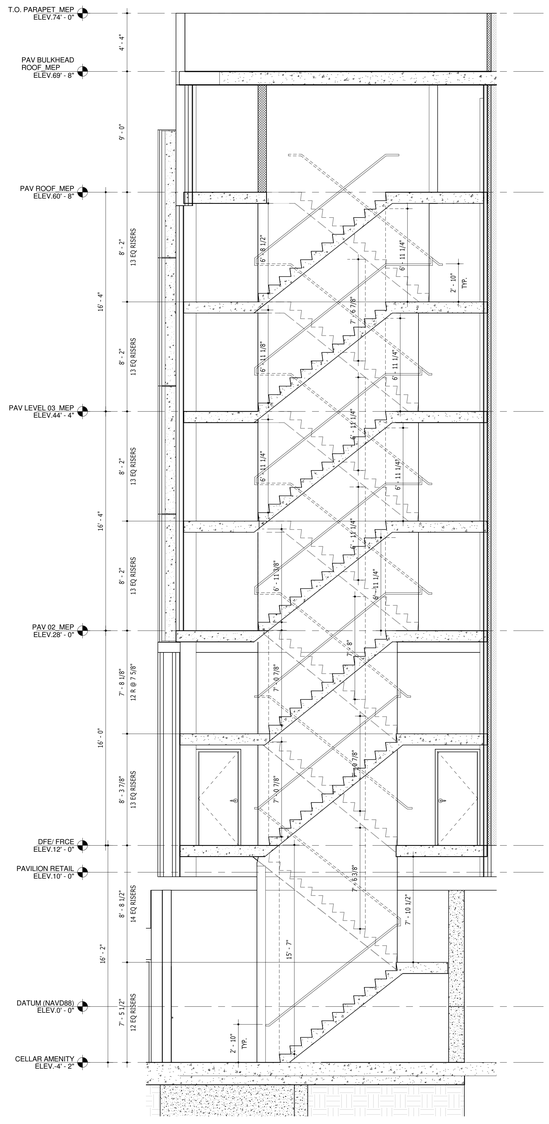
5 STAIR PLAN PAVILION LEVEL 2
1/4" = 1'-0"



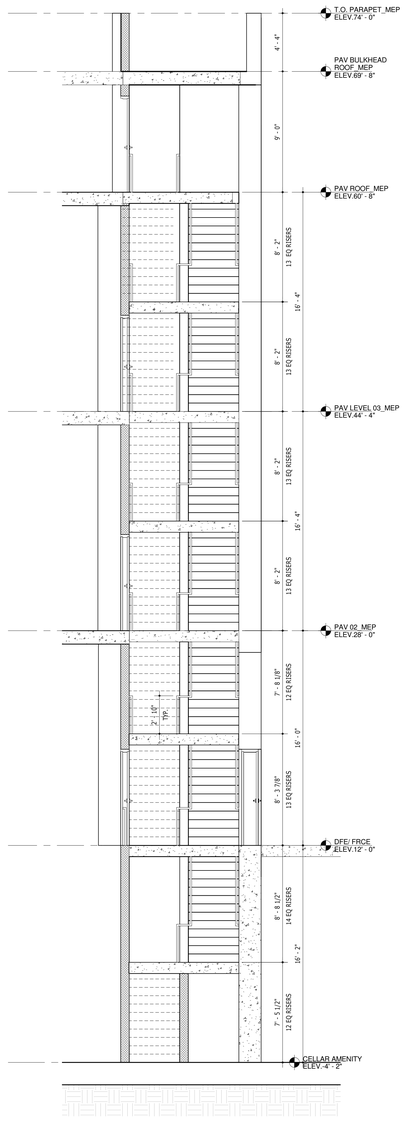
4 STAIR PLAN PAVILION DFE
1/4" = 1'-0"



3 STAIR PLAN PAVILION CELLAR
1/4" = 1'-0"

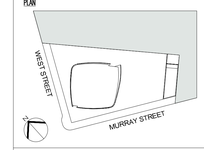


2 PAVILION STAIR SECTION
1/4" = 1'-0"



1 PAVILION STAIR CROSS SECTION
1/4" = 1'-0"

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

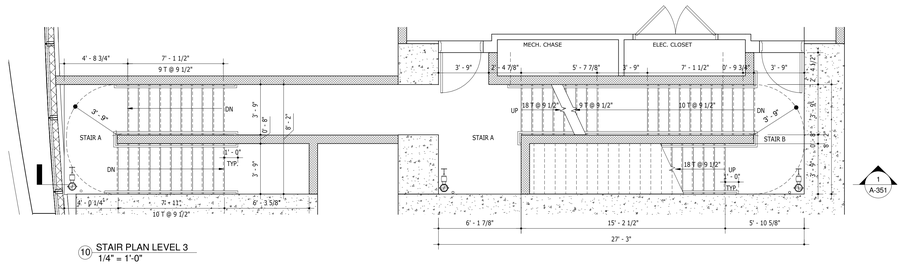
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
PAVILION STAIR PLANS AND SECTION

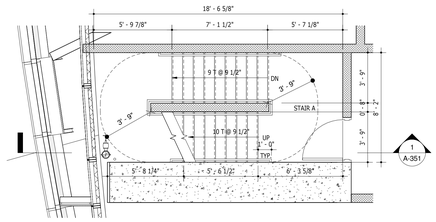
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-350.00

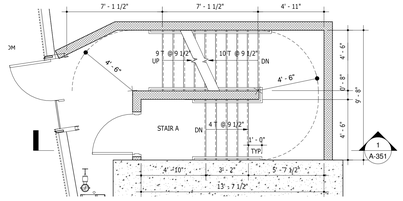
DEPT OF BLDGS 122132110 Job Number
ES3140851155 Scan Code



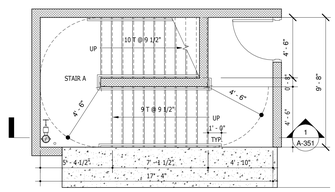
10 STAIR PLAN LEVEL 3
1/4" = 1'-0"



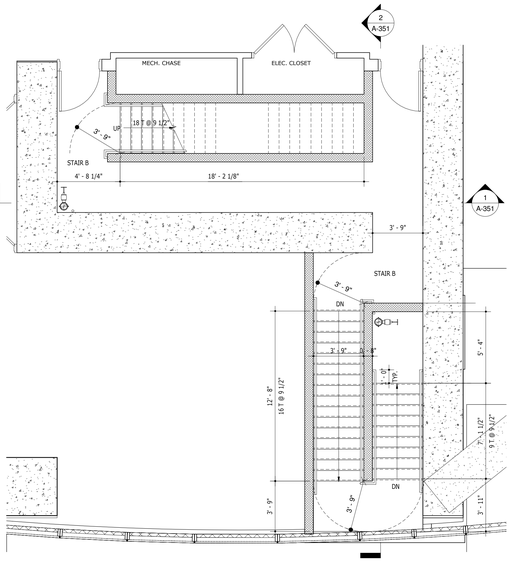
9 STAIR A_PLAN LEVEL 2
1/4" = 1'-0"



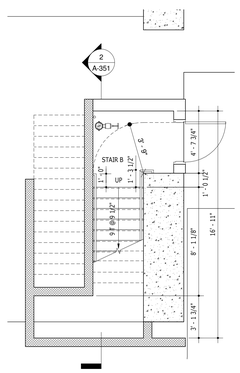
8 STAIR A_PLAN LEVEL 1
1/4" = 1'-0"



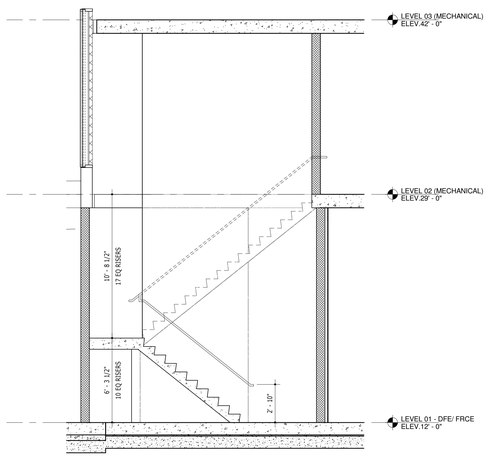
7 STAIR A_PLAN CELLAR LEVEL
1/4" = 1'-0"



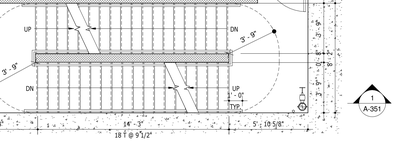
3 STAIR B_PLAN LEVEL 2
1/4" = 1'-0"



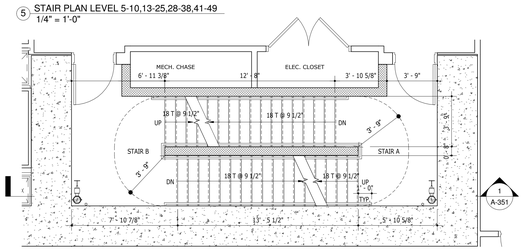
6 STAIR B_PLAN LEVEL 1
1/4" = 1'-0"



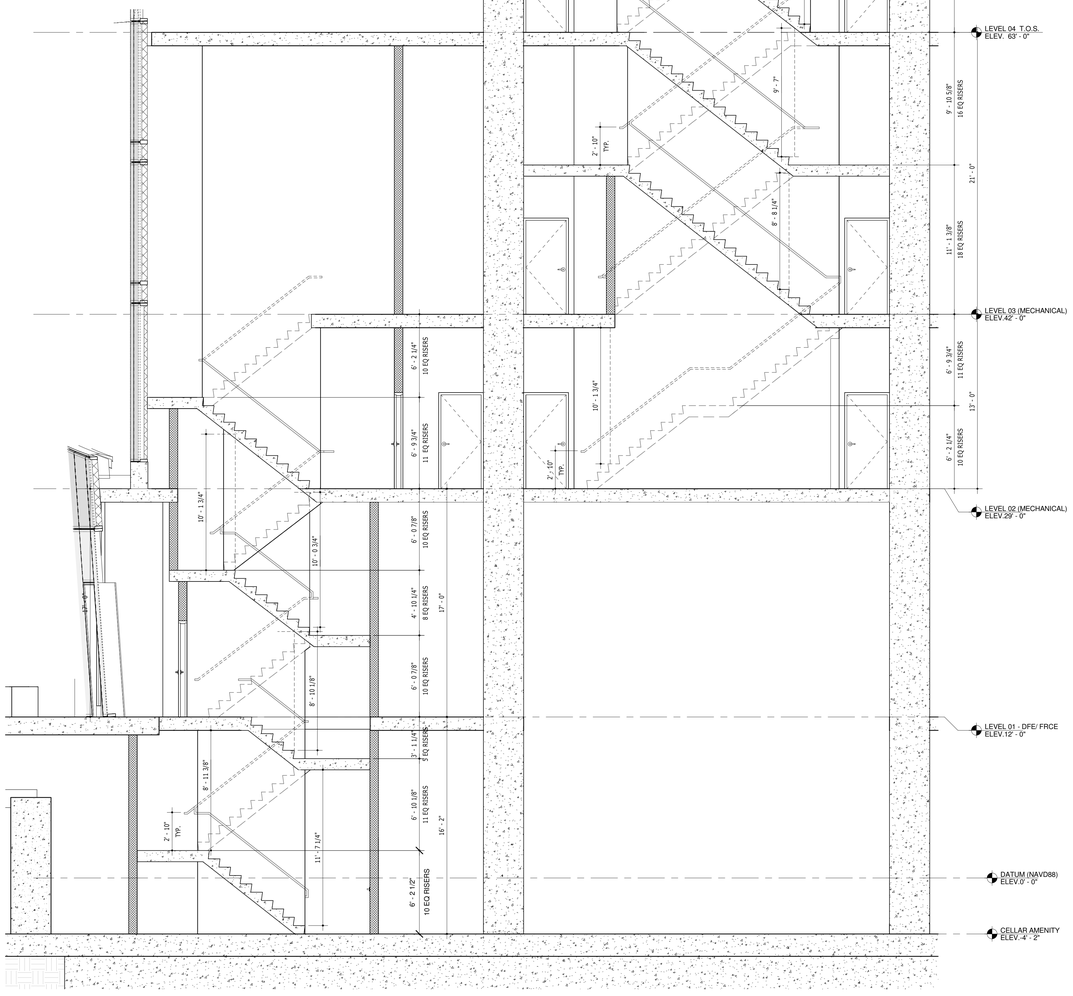
2 STAIR SECTION B SECTION
1/4" = 1'-0"



5 STAIR PLAN LEVEL 5-10,13-25,28-38,41-49
1/4" = 1'-0"

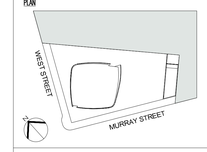


4 STAIR PLAN LEVEL 4
1/4" = 1'-0"



1 STAIR SECTION CELLAR TO LEVEL 10
1/4" = 1'-0"

KEY PLAN



3	03/09/15	DOB ISSUE	
2	01/23/15	DOB ISSUE	
1	09/15/14	DOB ISSUE	
Number:	Date:	Revision:	

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

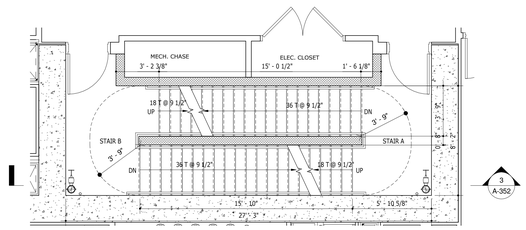
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 1 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
STAIR PLANS AND SECTIONS

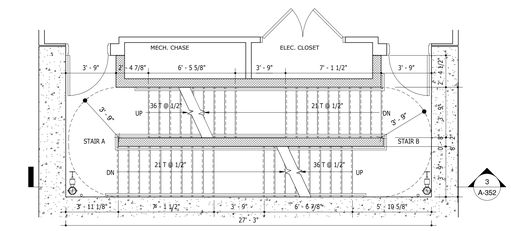
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. GOSS
OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-351.00

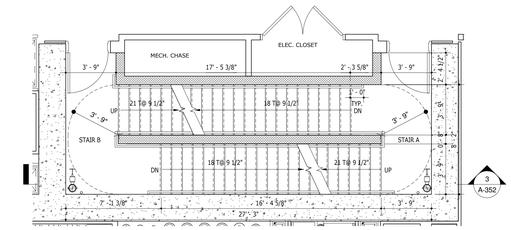
DEPT OF BLDGS 122132110 Job Number
ES1964437950 Scan Code



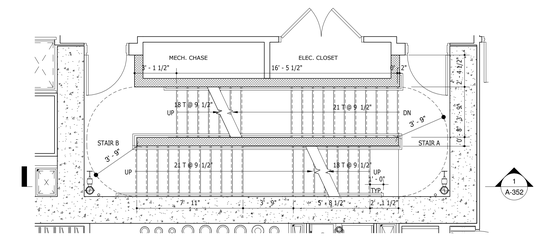
10 STAIR PLAN LEVEL 28
1/4" = 1'-0"



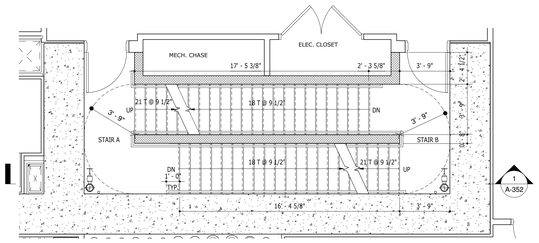
9 STAIR PLAN LEVEL 27
1/4" = 1'-0"



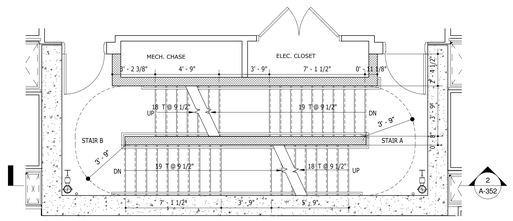
8 STAIR PLAN LEVEL 26, 50
1/4" = 1'-0"



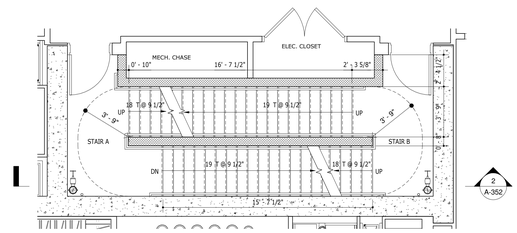
7 STAIR PLAN LEVEL 12
1/4" = 1'-0"



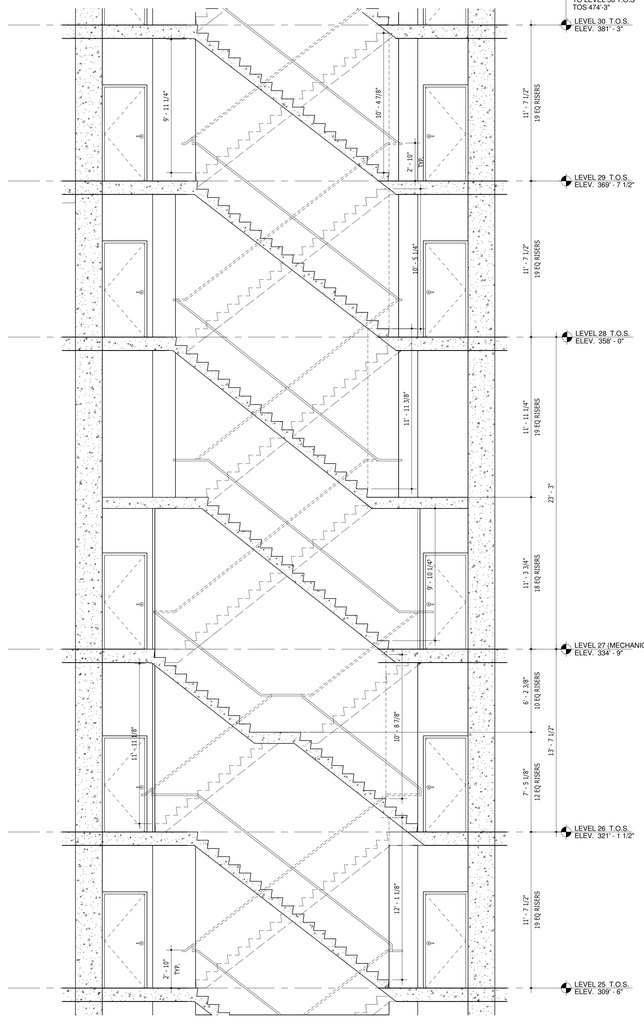
6 STAIR PLAN LEVEL 11
1/4" = 1'-0"



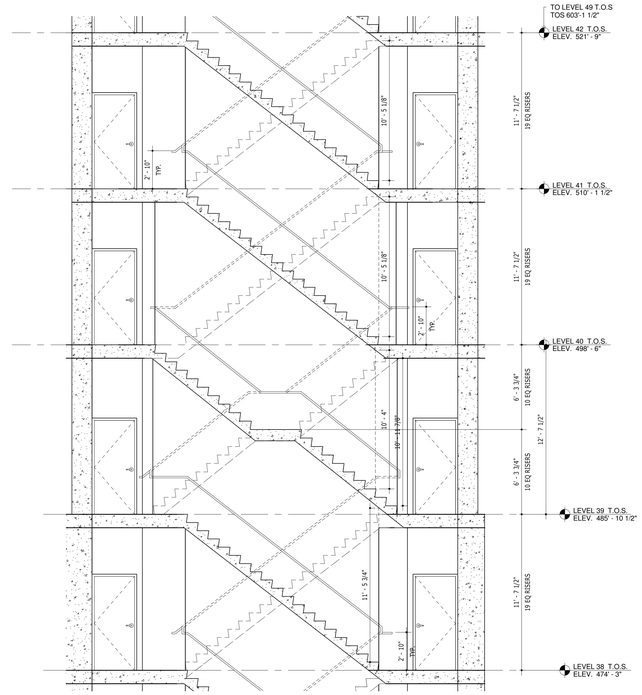
5 STAIR PLAN LEVEL 40
1/4" = 1'-0"



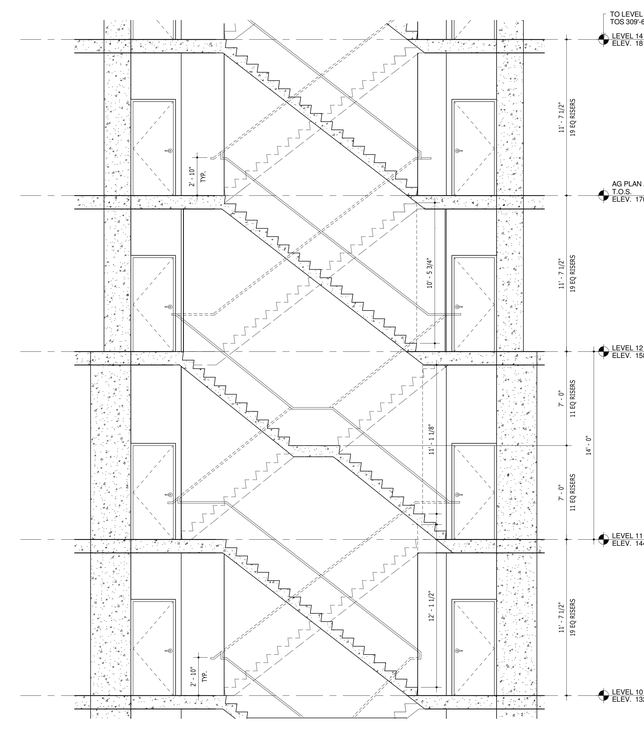
4 STAIR PLAN LEVEL 39
1/4" = 1'-0"



3 STAIR SECTION 25-38
1/4" = 1'-0"

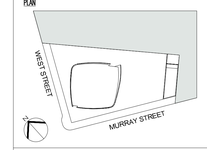


2 STAIR SECTION 38-49
1/4" = 1'-0"



1 STAIR SECTION 10-25
1/4" = 1'-0"

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.0108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

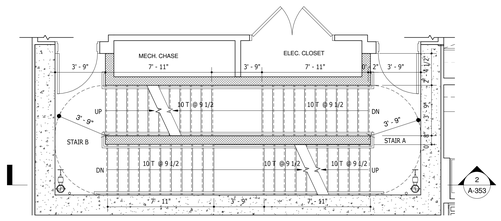
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
STAIR PLANS AND SECTIONS

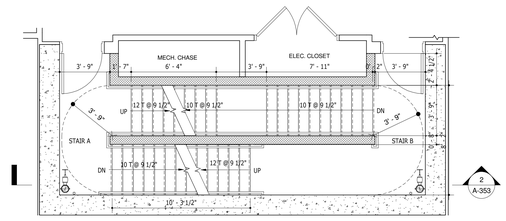
SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOE STEPHEN HILL
No. 026054
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-352.00

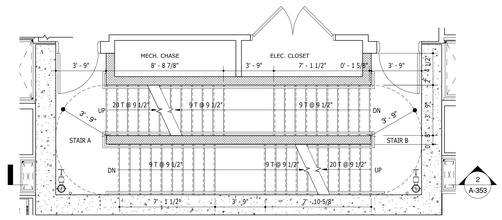
DEPT OF BLDGS 121323120 Job Number
ES1705000148 Scan Code



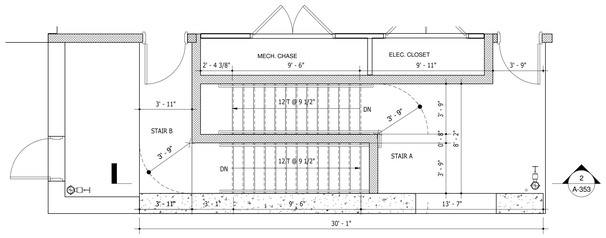
9 STAIR PLAN LEVEL 58
1/4" = 1'-0"



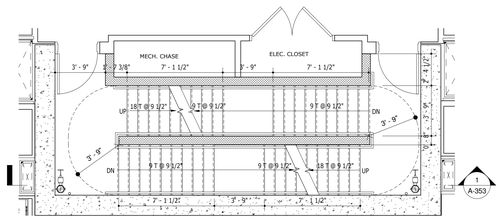
4 STAIR PLAN LEVEL 59
1/4" = 1'-0"



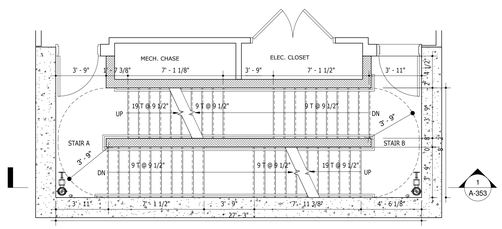
8 STAIR PLAN LEVEL 57
1/4" = 1'-0"



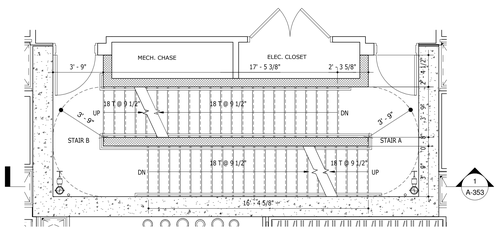
3 STAIR PLAN LEVEL 60
1/4" = 1'-0"



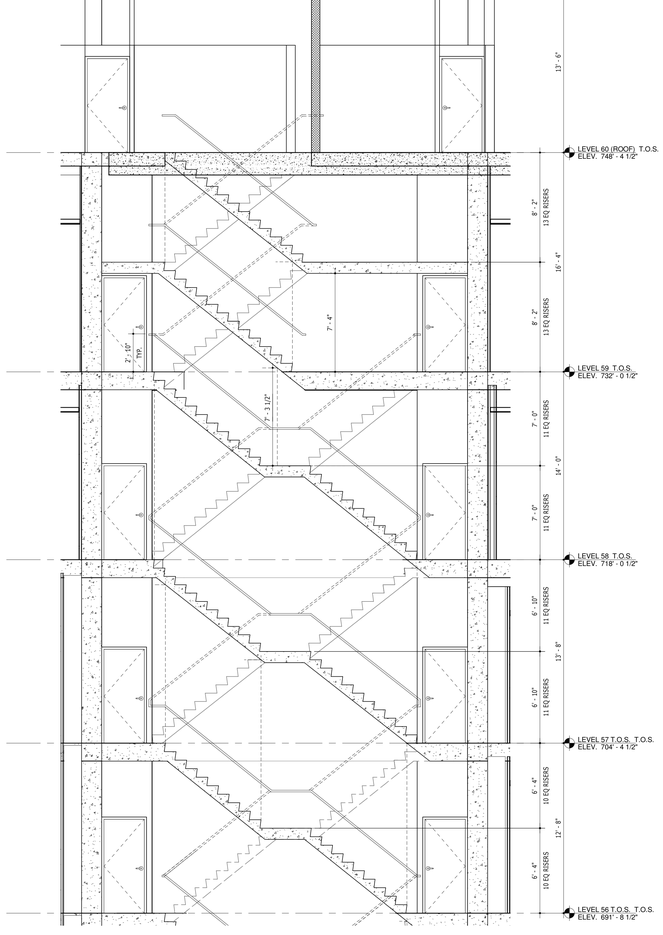
7 STAIR PLAN LEVEL 52 - 56
1/4" = 1'-0"



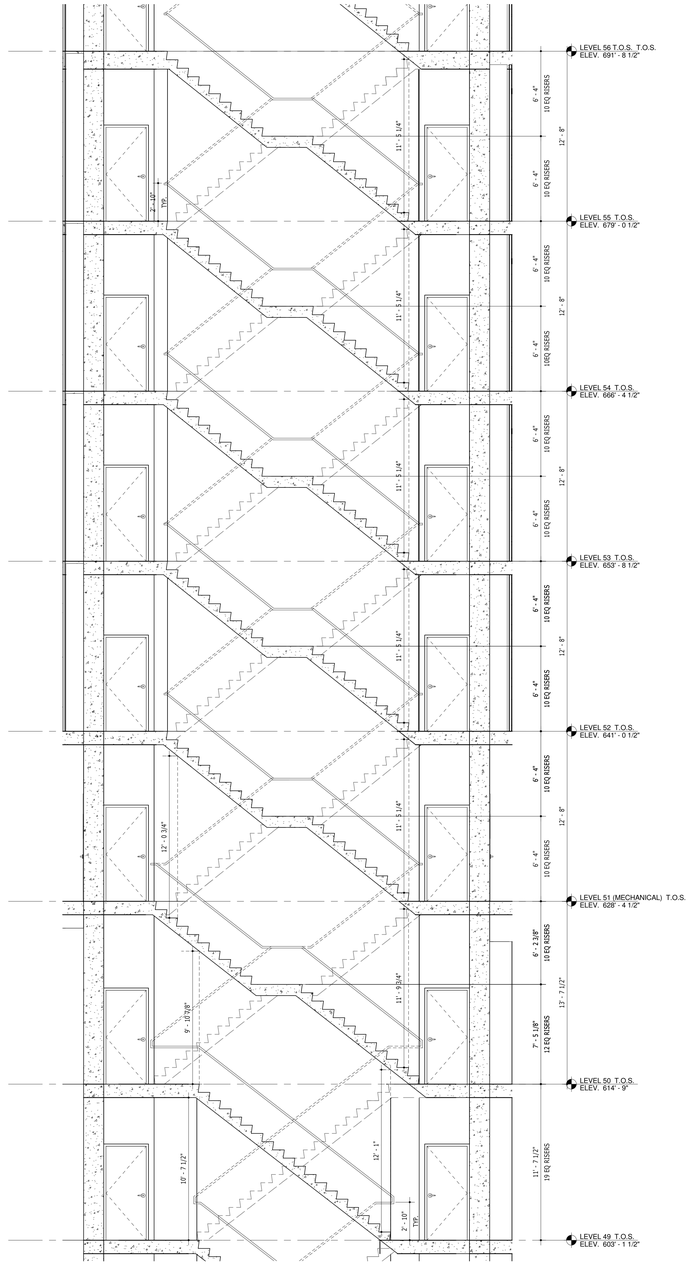
6 STAIR PLAN LEVEL 51
1/4" = 1'-0"



5 STAIR PLAN LEVEL 50
1/4" = 1'-0"

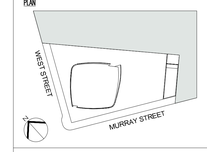


2 STAIR SECTION 56-61
1/4" = 1'-0"



1 STAIR SECTION 49-56
1/4" = 1'-0"

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-0790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

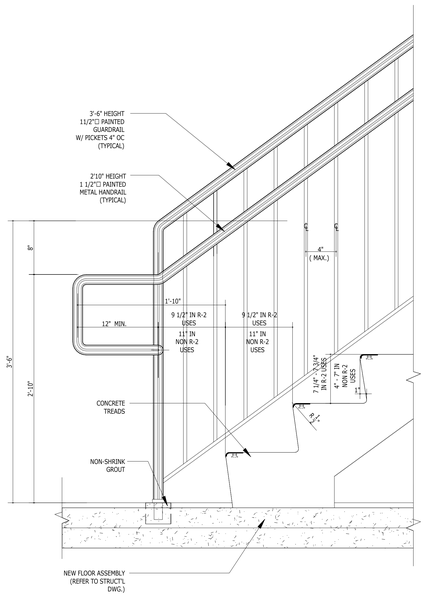
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/10/2015
NYC Development Hub

DWG TITLE:
STAIR PLANS AND SECTIONS

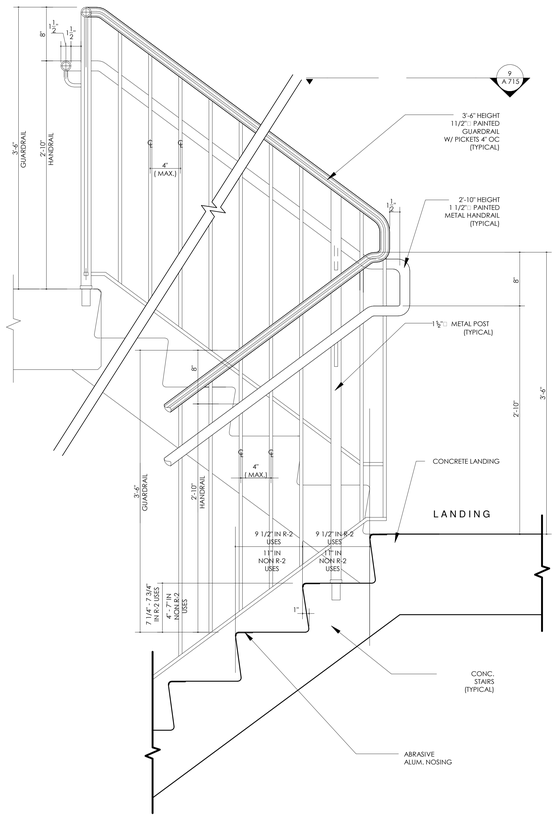
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. HILL
No. 028064
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/4" = 1'-0"
A-353.00
DWG NO.

DEPT OF BLDGS 121323.10 Job Number
E3609780D005 Scan Code

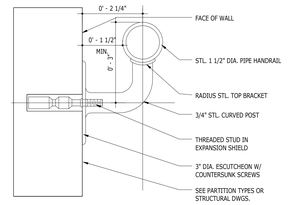


STAIR SECTION - TYPICAL GND. FL. @ STAIRS WITH AN OPENING BTWN. FLIGHTS
1 1 1/2" = 1'-0"

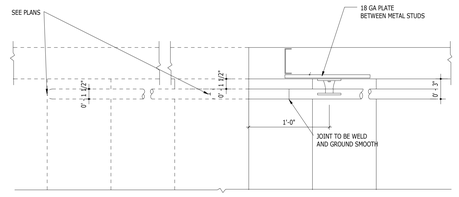


STAIR SECTION - TYPICAL @ STAIRS WITH AN OPENING BETWEEN FLIGHTS
3 1 1/2" = 1'-0"

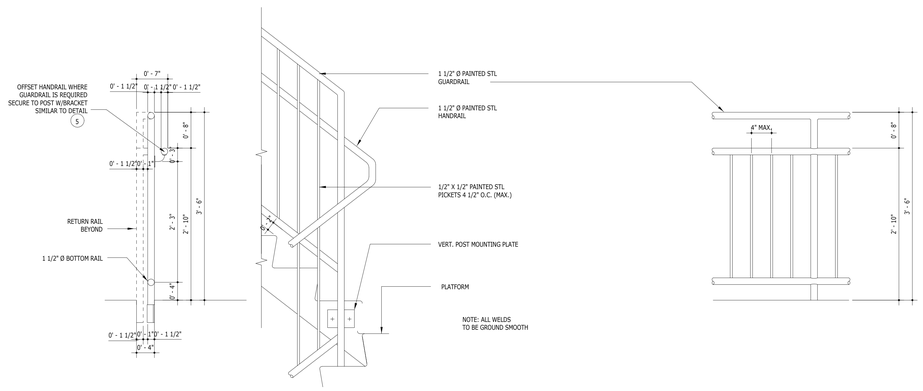
GENERAL HANDRAIL NOTE:
1. ALL EXPOSED STL. SHALL BE PAINTED, SEE FINISH SCHEDULE FOR COLOR



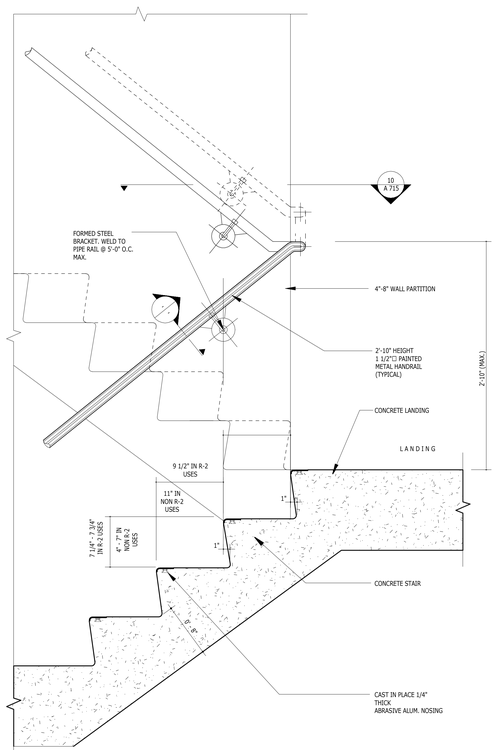
STAIR DETAIL - TYPICAL HANDRAIL DETAIL 2
6 6" = 1'-0"



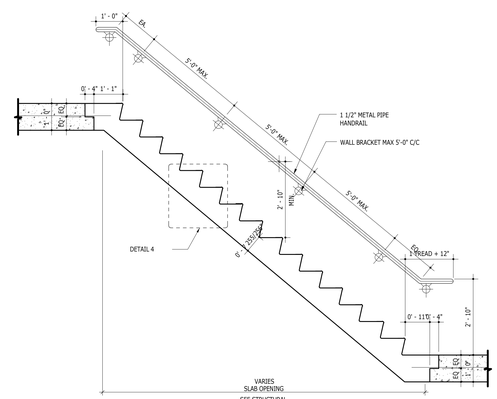
STAIR DETAIL - TYPICAL HANDRAIL DETAILS
7 1 1/2" = 1'-0"



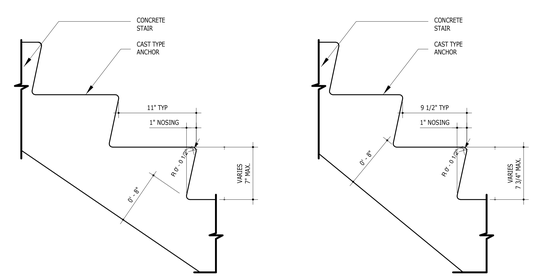
STAIR DETAIL - HANDRAIL SECTIONS
8 1" = 1'-0"



STAIR SECTION - TYPICAL @ STAIRS WITH A PARTITION BETWEEN FLIGHTS
2 1 1/2" = 1'-0"

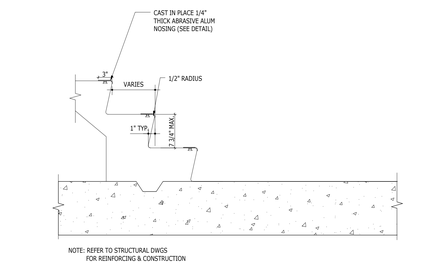


STAIR DETAIL - TYPICAL WITH KEY CUTS
4 1/2" = 1'-0"

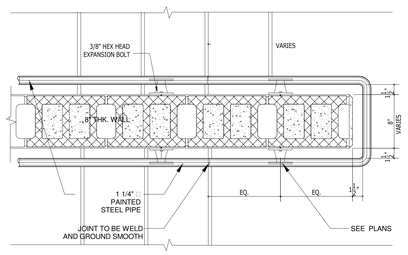


COMMERCIAL RESIDENTIAL

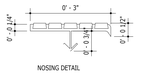
STAIR DETAIL - TYPICAL TREAD DETAIL
5 1 1/2" = 1'-0"



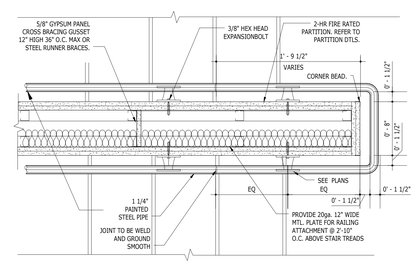
STAIR DETAIL - CAST IN PLACE ALUM. NOSING
9 1" = 1'-0"



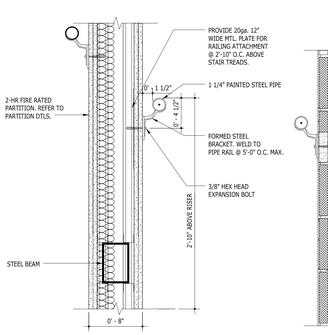
STAIR DETAIL CMU PLAN
10 1 1/2" = 1'-0"



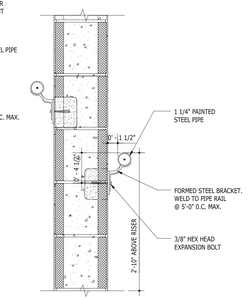
STAIR DETAIL - NOSING
11 6" = 1'-0"



STAIR DETAIL - PLAN
14 1 1/2" = 1'-0"

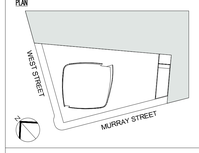


STAIR DETAIL - WALL SECTION
12 1 1/2" = 1'-0"



STAIR DETAIL - CMU WALL SECTION
13 1 1/2" = 1'-0"

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

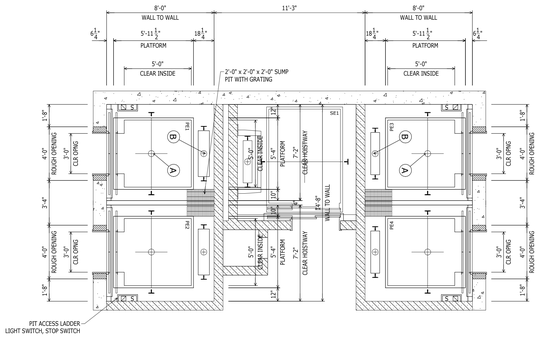
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
STAIR DETAILS

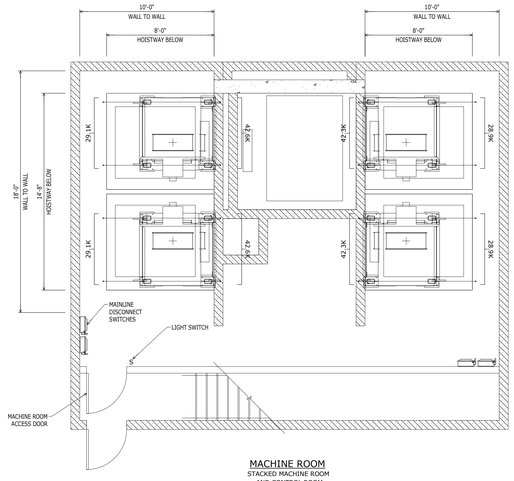
SEAL & SIGNATURE:
REGISTERED ARCHITECT STEPHEN M. LEE 026424 STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-354.00

DEPT OF BLDGS 122132110 Job Number
ES0406202015 Scan Code

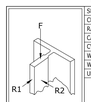


HATCH PLAN
PASSENGER ELEVATORS
PE1 AND PE2
2500# @ 1200 FPM



MACHINE ROOM
STACKED MACHINE ROOM
AND CONTROL ROOM

PIT AND RAIL LOADS



SEISMIC				S2
CLASS LOAD RATING				A
RAIL WEIGHT/SIZE				15
CAR BUFFER REACTION	A	*	50.5 K	
CWT BUFFER REACTION	B	*	44.2 K	
WEIGHT ONE STACK CAR RAIL			13200 #	
WEIGHT ONE STACK CWT RAIL			10600 #	
UP PULL ON COMPENSATOR	C		41.1 K	
RAIL LOADS PER RAIL	F_{CAR}		*	22.5 K
	F_{CWT}		*	0
NORMAL FORCES	R1			600 #
	R2			200 #
SEISMIC FORCES	R1	**		1500 #
	R2	**		800 #
MAX VERT SPAN GUIDE RAIL SUPPORT				14'

* LOADS SHOWN DO NOT ACT SIMULTANEOUSLY

** CAR AND CWT RAILS

Rail support points shall have a max deflection of 1/8" when acted upon by forces R1 and R2 1/4" when acted upon by seismic forces R1 and R2

POWER AND VENTILATION / UNIT

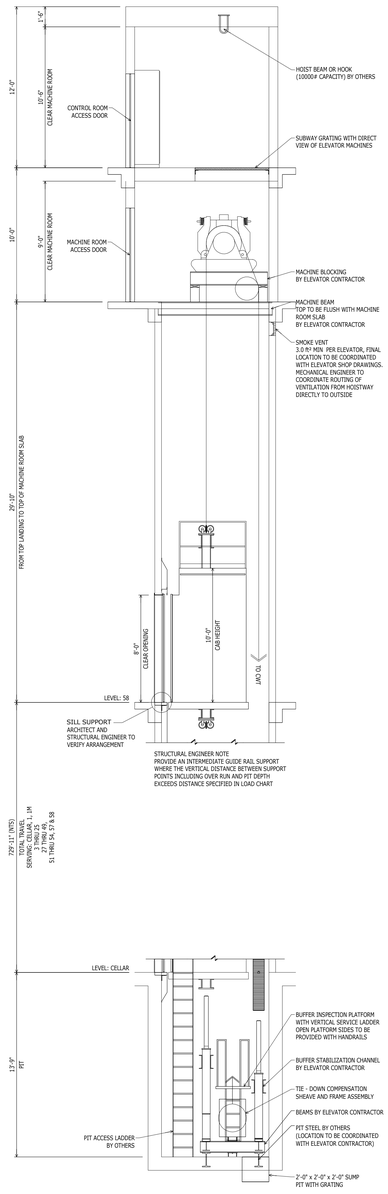
POWER BASED ON: 480V 3-PHASE-60 HERTZ

MOTOR HP	FULL LOAD RUNNING AMPS	FULL LOAD ACCEL. AMPS	HEAT RELEASE BTU/HR/UNIT
70	90	224	29000

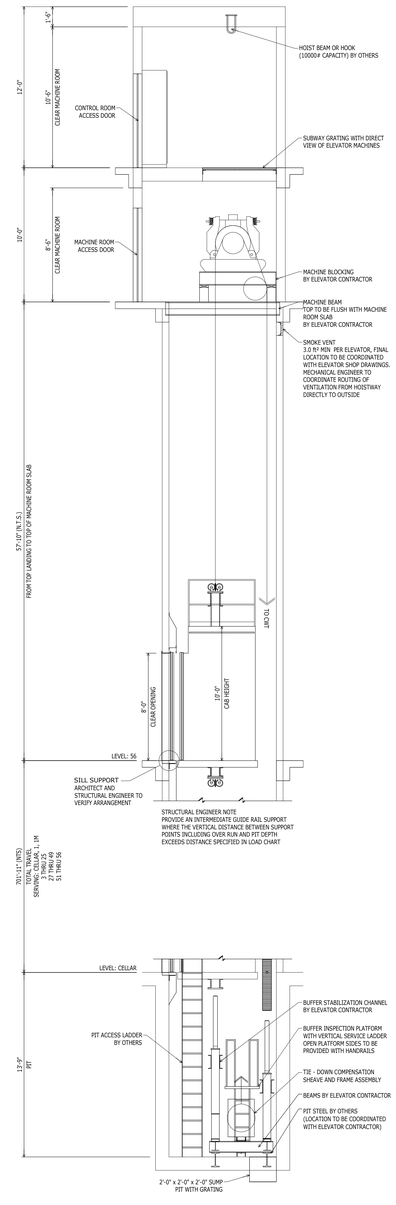
NOTE:
AIR CONDITIONING EQUIPMENT SHALL NOT BE LOCATED DIRECTLY ABOVE ELEVATOR EQUIPMENT. COORDINATE FINAL LOCATION OF ELEVATOR EQUIPMENT WITH THE ELEVATOR SHOP DRAWINGS

CONTROL ROOM
STACKED ABOVE
MACHINE ROOM

1 PASSENGER ELEVATOR
1/4" = 1'-0"

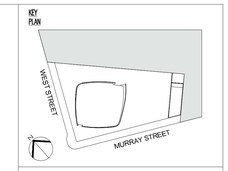


SECTION
PE1 AND PE2



SECTION
PE3 AND PE4

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

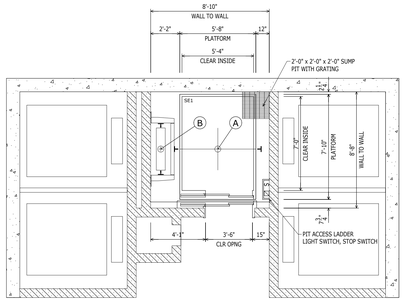
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
PASSANGER ELEVATOR PLAN AND SECTION

SEAL & SIGNATURE:
REGISTERED ARCHITECT STEPHEN HILL 026555 STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-356.00

DEPT OF BLDGS 122132110 Job Number
B1B185020026 Scan Code



HATCH PLAN

SERVICE ELEVATOR
SE1
CLASS "C3" LOADING
5000# @ 700 FPM

PIT AND RAIL LOADS

SEISMIC				S2
CLASS LOAD RATING				C3
RAIL WEIGHT/SIZE				15
CAR BUFFER REACTION		A	*	72.2 K
CWT BUFFER REACTION		B	*	59.6 K
WEIGHT ONE STACK CAR RAIL				13500 #
WEIGHT ONE STACK CWT RAIL				10800 #
UP PULL ON COMPENSATOR		C		53.5 K
RAIL LOADS PER RAIL	F_{CAR}		*	32.1 K
	F_{CWT}		*	---
	NORMAL FORCES	R1		800 #
		R2		1000 #
	SEISMIC FORCES	R1	**	2000 #
		R2	**	1000 #
MAX VERT SPAN GUIDE RAIL SUPPORT				10.4'

* LOADS SHOWN DO NOT ACT SIMULTANEOUSLY

** CAR AND CWT RAILS

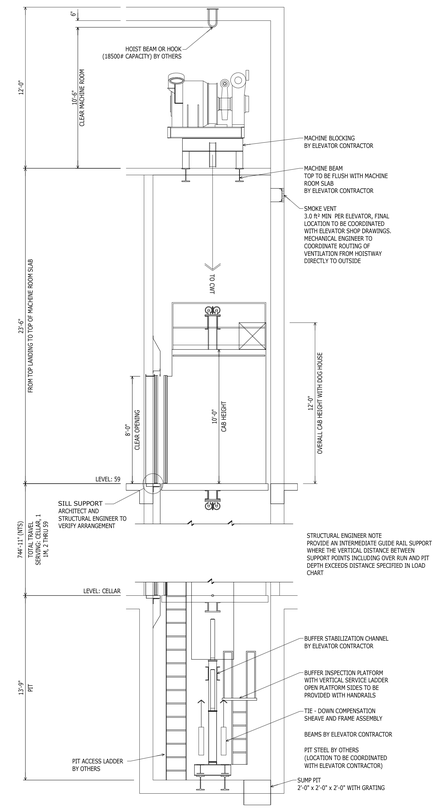
Rail support points shall have a max deflection of
1/8" when acted upon by forces R1 and R2
1/4" when acted upon by seismic forces R1 and R2

POWER AND VENTILATION / UNIT

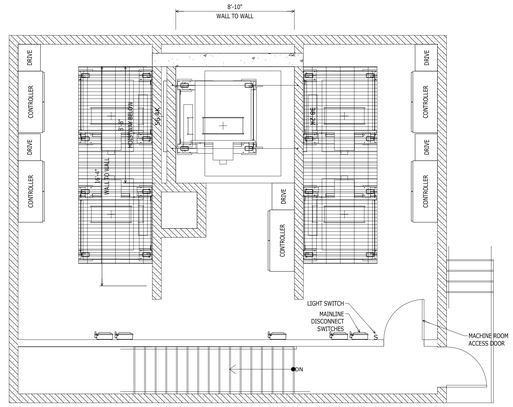
POWER BASED ON: 480V 3-PHASE-60 HERTZ

MOTOR HP	FULL LOAD RUNNING AMPS	FULL LOAD ACCEL. AMPS	HEAT RELEASE BTU/HR/UNIT
80	102	256	34000

NOTE:
AIR CONDITIONING EQUIPMENT SHALL NOT BE LOCATED DIRECTLY ABOVE ELEVATOR EQUIPMENT. COORDINATE FINAL LOCATION OF ELEVATOR EQUIPMENT WITH THE ELEVATOR SHOP DRAWINGS

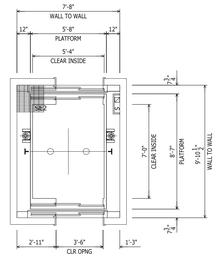


SECTION



MACHINE ROOM

1 SERVICE ELEVATOR
1/4" = 1'-0"



SERVICE ELEVATORS
SE2
CLASS "C3" LOADING
5000# @ 125 FPM

PIT AND RAIL LOADS

				SE2
SEISMIC				S2
CLASS LOAD RATING				C3
RAIL WEIGHT/SIZE				15
HYDRAULIC CYLINDER		A	*	13.9 K
CAR BUFFER REACTION		B	*	20.2 K
WEIGHT ONE STACK CAR RAIL				300 #
RAIL LOADS PER RAIL	NORMAL FORCES	R1		700 #
		R2		1200 #
	SEISMIC FORCES	R1	**	1500 #
		R2	**	800 #
MAX VERT SPAN GUIDE RAIL SUPPORT				9.2'

* LOADS SHOWN DO NOT ACT SIMULTANEOUSLY

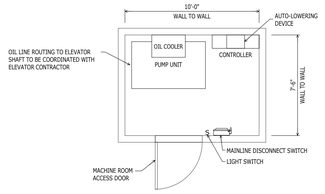
** CAR AND CWT RAILS

Rail support points shall have a max deflection of
1/8" when acted upon by forces R1 and R2
1/4" when acted upon by seismic forces R1 and R2

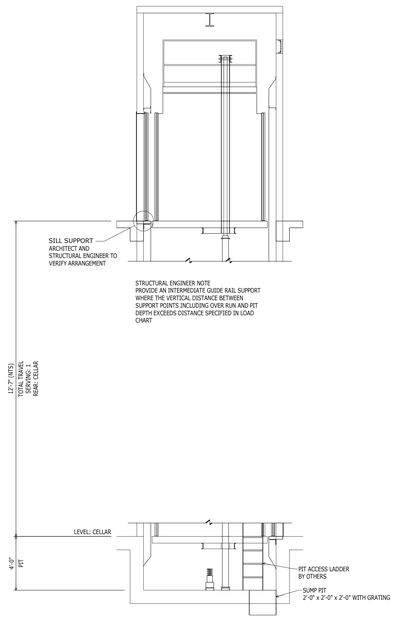
POWER AND VENTILATION / UNIT

POWER BASED ON: 480V 3-PHASE-60 HERTZ

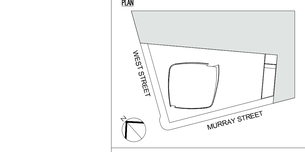
	MOTOR HP	FULL LOAD RUNNING AMPS	FULL LOAD ACCEL. AMPS	HEAT RELEASE BTU/HR/UNIT
SE2	60	110	231	38500



PUMP / CONTROL ROOM
REMOTE OR ADJACENT



2 PAVILION ELEVATOR
1/4" = 1'-0"



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

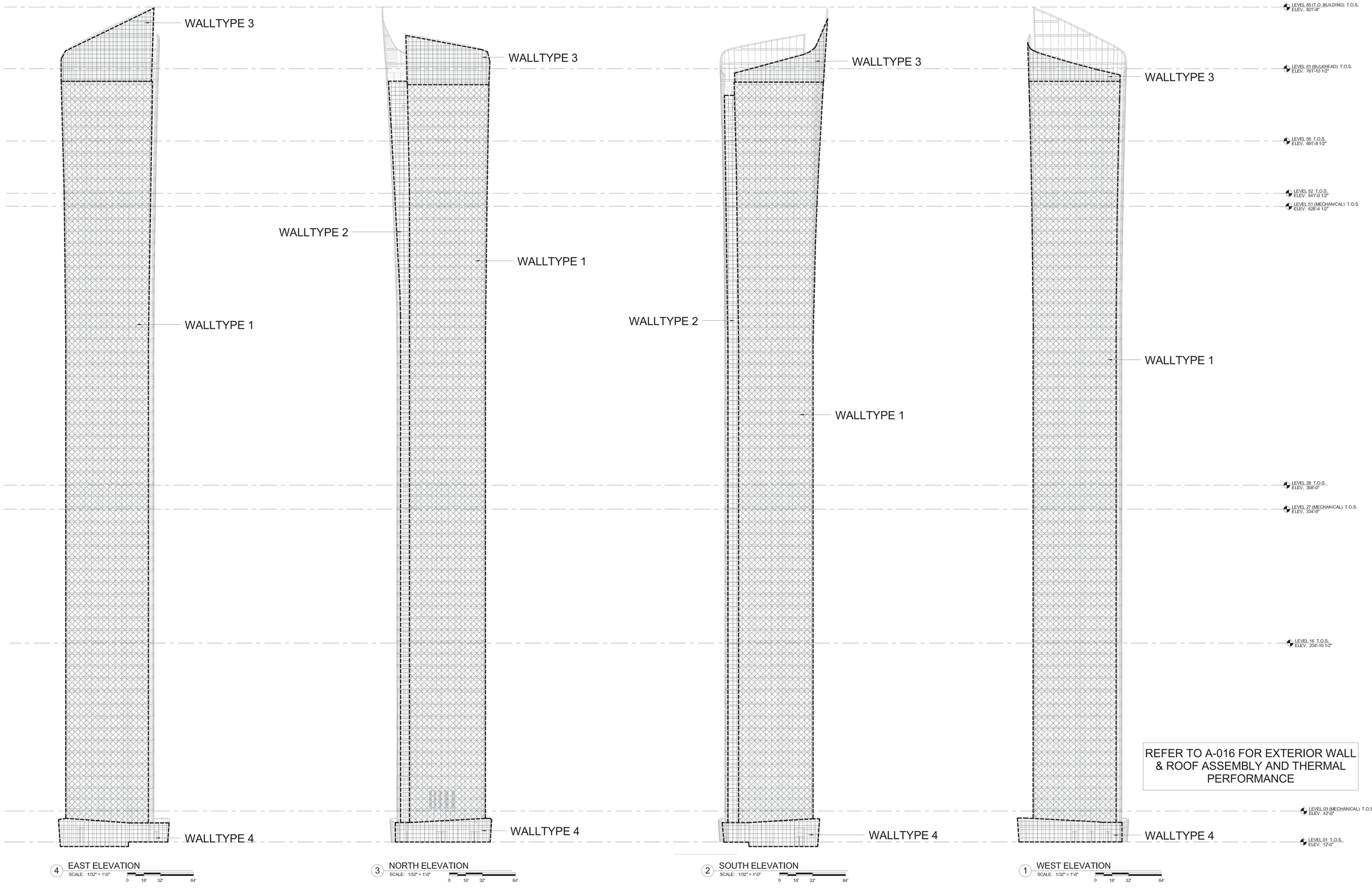
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SERVICE AND PAVILION ELEVATOR PLAN AND SECTION

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
CITY OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-357.00

DEPT OF BLDGS 122132110 Job Number
E360051333I Scan Code



4 EAST ELEVATION
SCALE: 1/32" = 1'-0"
0 16' 32' 64'

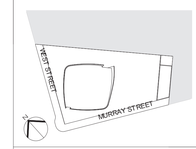
3 NORTH ELEVATION
SCALE: 1/32" = 1'-0"
0 16' 32' 64'

2 SOUTH ELEVATION
SCALE: 1/32" = 1'-0"
0 16' 32' 64'

1 WEST ELEVATION
SCALE: 1/32" = 1'-0"
0 16' 32' 64'

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

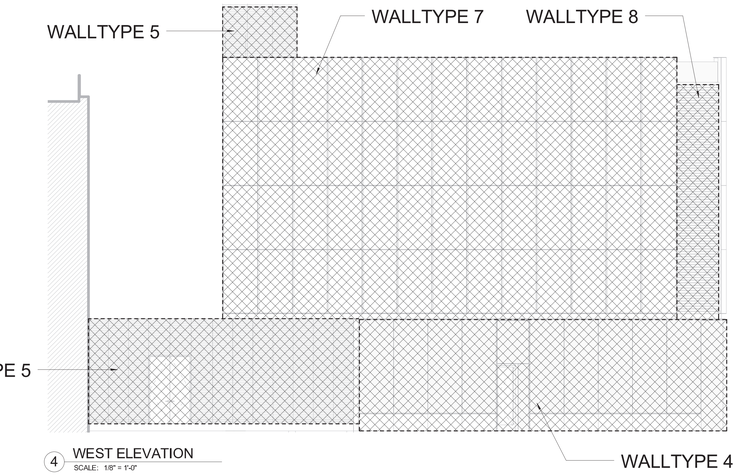
DWG TITLE:
WALL TYPE DIAGRAM - TOWER

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOHN STEPHEN HILL
026004
STATE OF NEW YORK

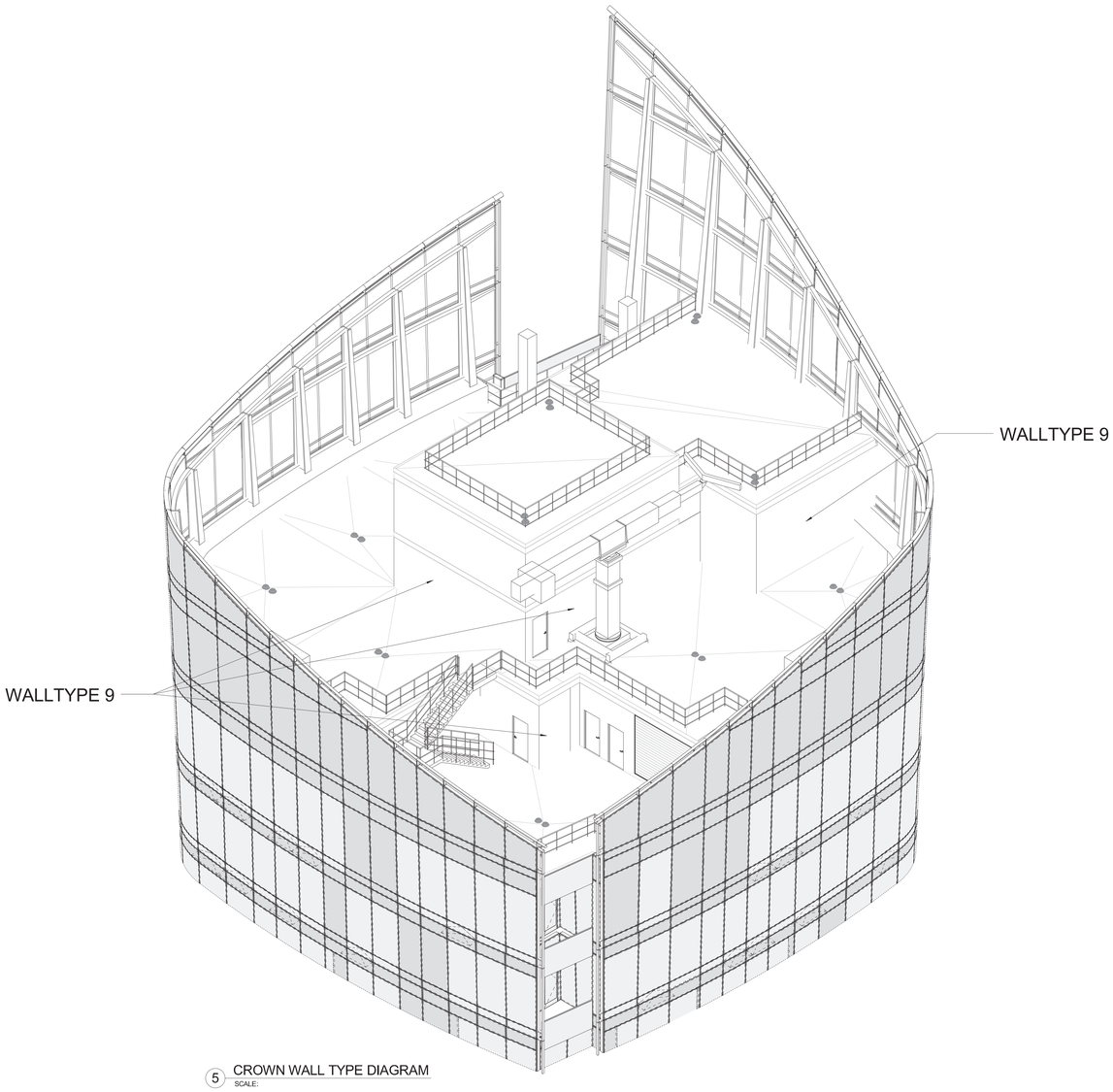
DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-400.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E326189997 Scan Code

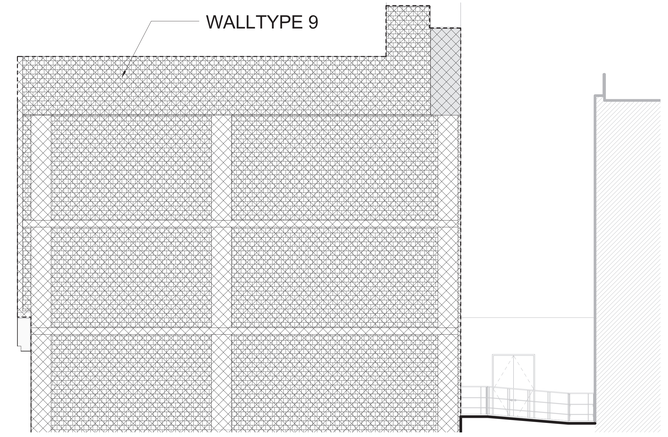
REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE



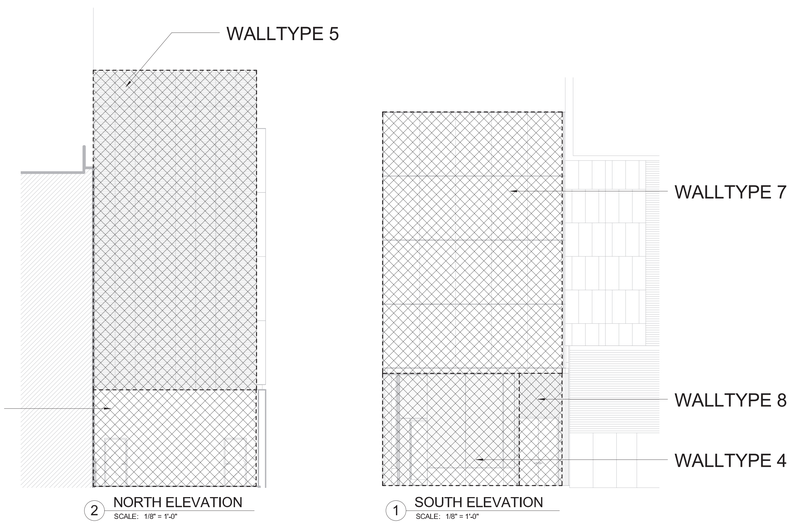
4 WEST ELEVATION
SCALE: 1/8" = 1'-0"



5 CROWN WALL TYPE DIAGRAM
SCALE:



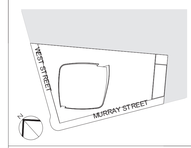
3 EAST ELEVATION
SCALE: 1/8" = 1'-0"



2 NORTH ELEVATION
SCALE: 1/8" = 1'-0"

1 SOUTH ELEVATION
SCALE: 1/8" = 1'-0"

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

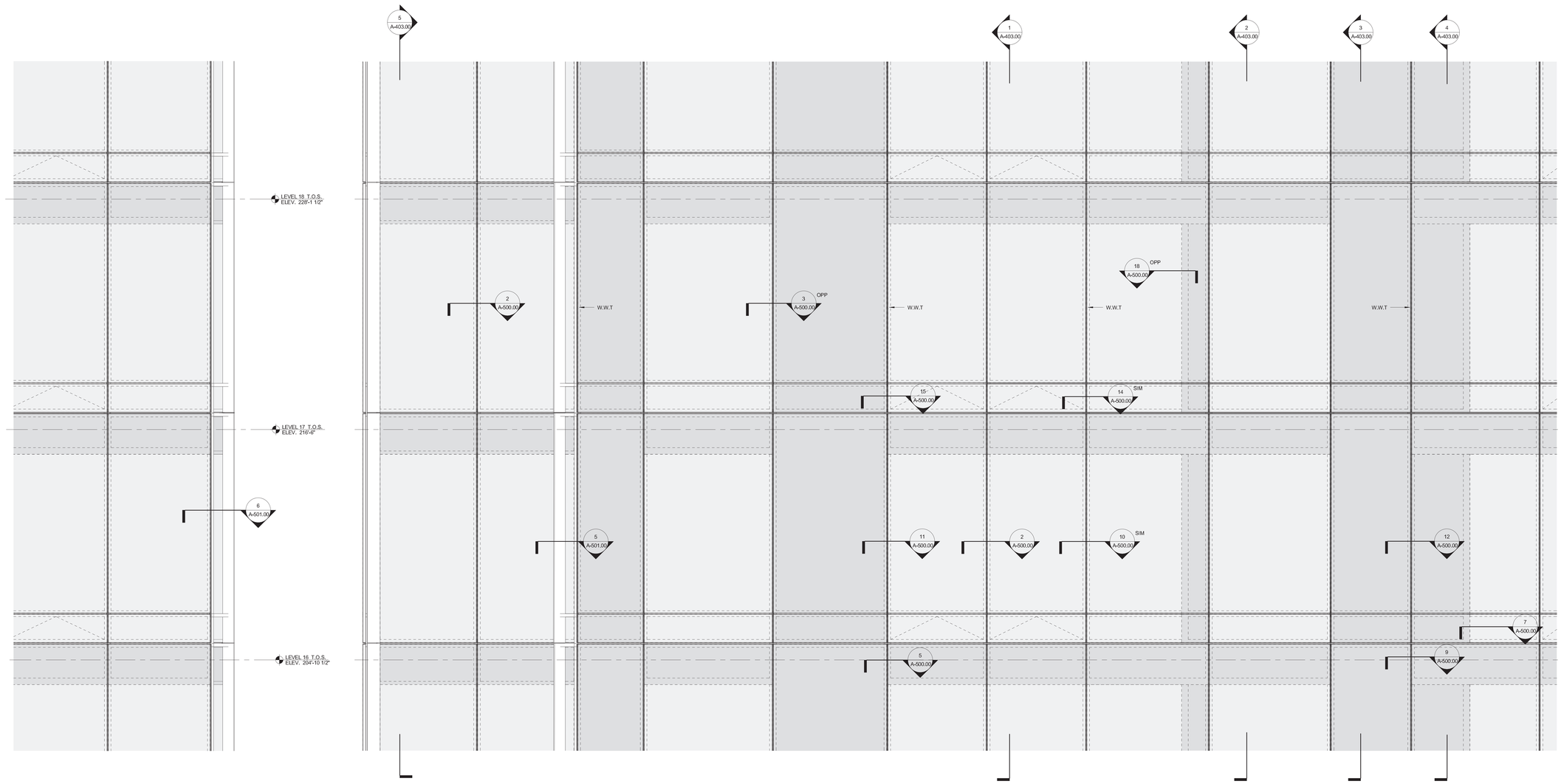
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
WALL TYPE DIAGRAM - PAVILION & ROOF

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. KLAR
No. 028004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-401.00
DWG NO.

DEPT OF BLDGS 121323.00 Job Number
ES0705300443 Scan Code



4 ELEVATION - WEST
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

2 ELEVATION - SOUTH
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

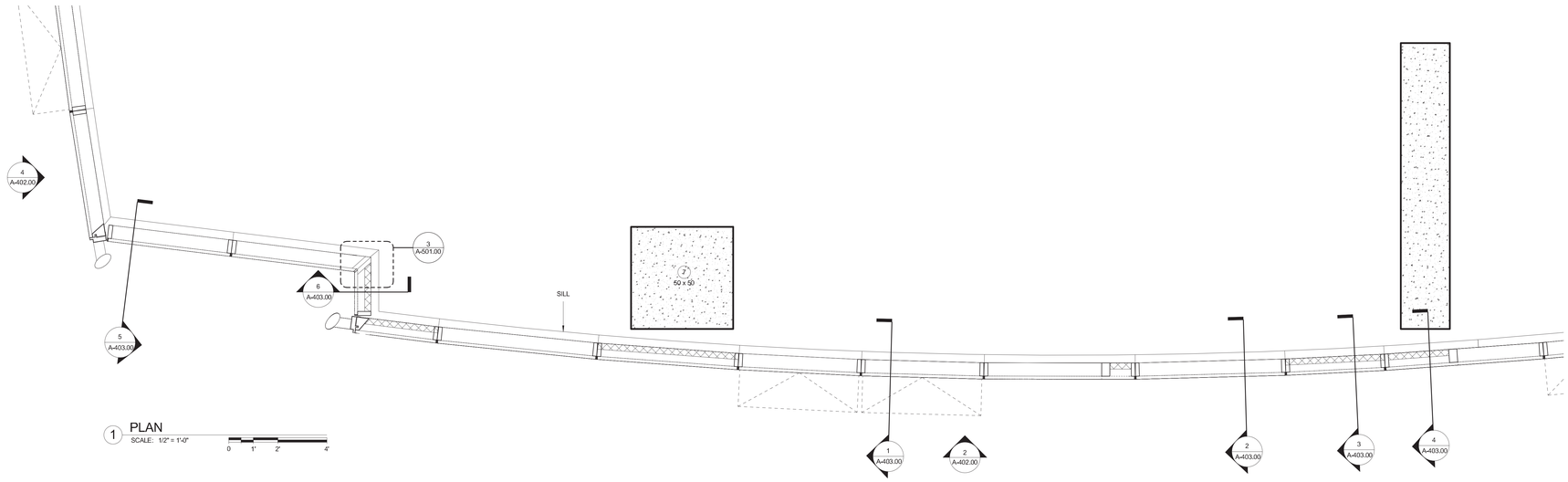
MATERIAL KEY NOTES:

ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL1	VISION PANELS (EXCEPT THE REVEAL)
GL1 (T)	VISION GLASS BELOW 18" A.F.F.
GL1 (F)	OPERABLE WINDOWS
GL2	VISION GLASS @ REVEAL
GL4	SPANDREL & SHADOWBOX PANELS
A1	EXTERIOR MULLION COLOUR & VERT FIN
A2	INTERIOR MULLION COLOUR
A3	SHADOWBOX COLOUR

KEY:

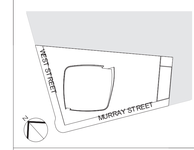
- SPANDREL
- VISION
- RAILING
- EX-1 LIGHTING
- LOUVER

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE



1 PLAN
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

KEY PLAN



Number	Date	Revision
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
WALLTYPE 1 TW TYPICAL FLOOR

SEAL & SIGNATURE:
REGISTERED ARCHITECT STEPHEN HILL 026004 STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-402.00
DWG NO.

DEPT OF BLDGS 121323110 Job Number
E328554436 Scan Code

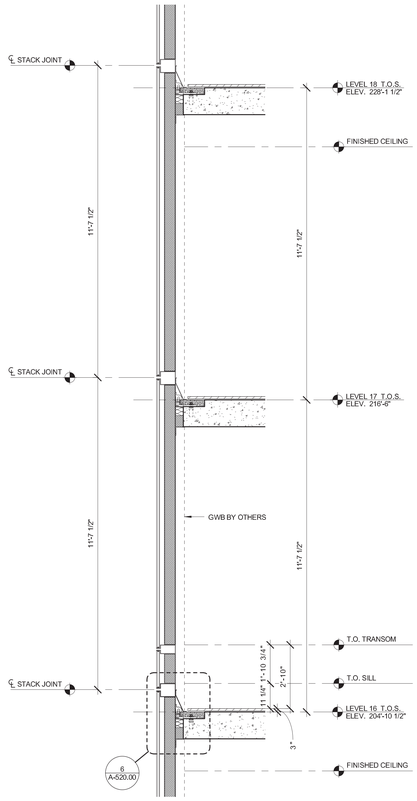
MATERIAL KEY NOTES:

ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL5	SPANDREL & SHADOWBOX @ REVEAL
A1	EXTERIOR MULLION COLOUR & VERT FIN
A2	INTERIOR MULLION COLOUR
A3	SHADOWBOX COLOUR

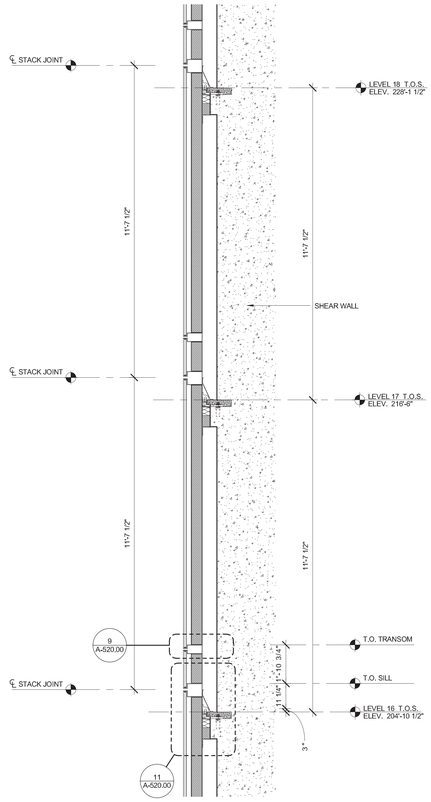
KEY:

SPANDREL
VISION
RAILING
EX-1 LIGHTING
LOUVER

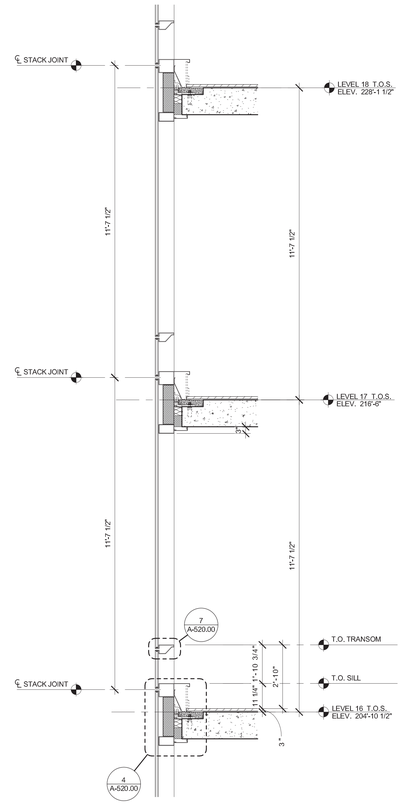
REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE



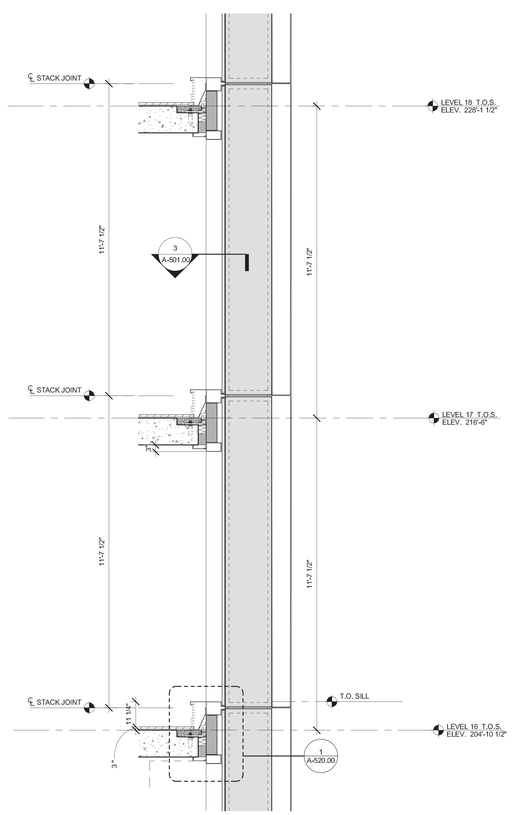
6 SECTION - REVEAL SHADOWBOX
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



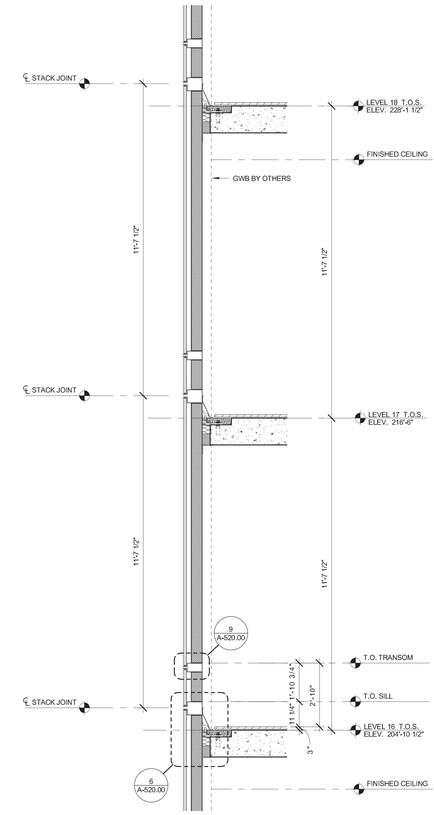
4 SECTION - SHADOW BOX AT SHEAR WALL
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



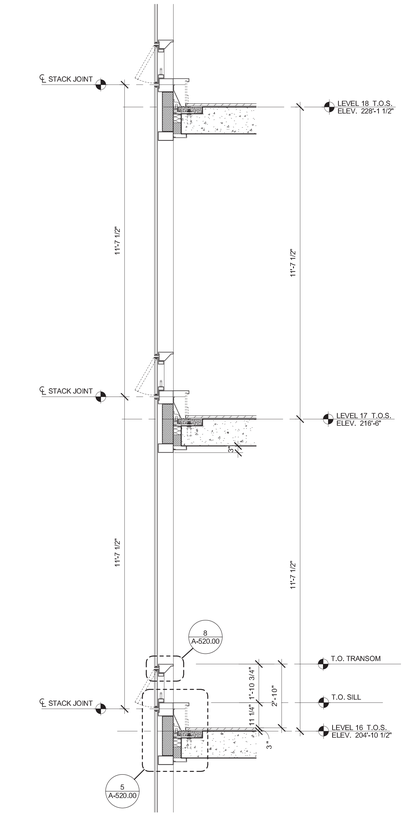
2 SECTION - FIXED
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



5 SECTION/ELEVATION - REVEAL
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

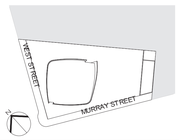


3 SECTION - SHADOW BOX
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



1 SECTION - OPERABLE
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
WALLTYPE 1 TW SECTIONS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN WEST
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
DWG NO. A-403.00

DEPT OF BLDGS 121323.00 Job Number
ES9422767059 Scan Code

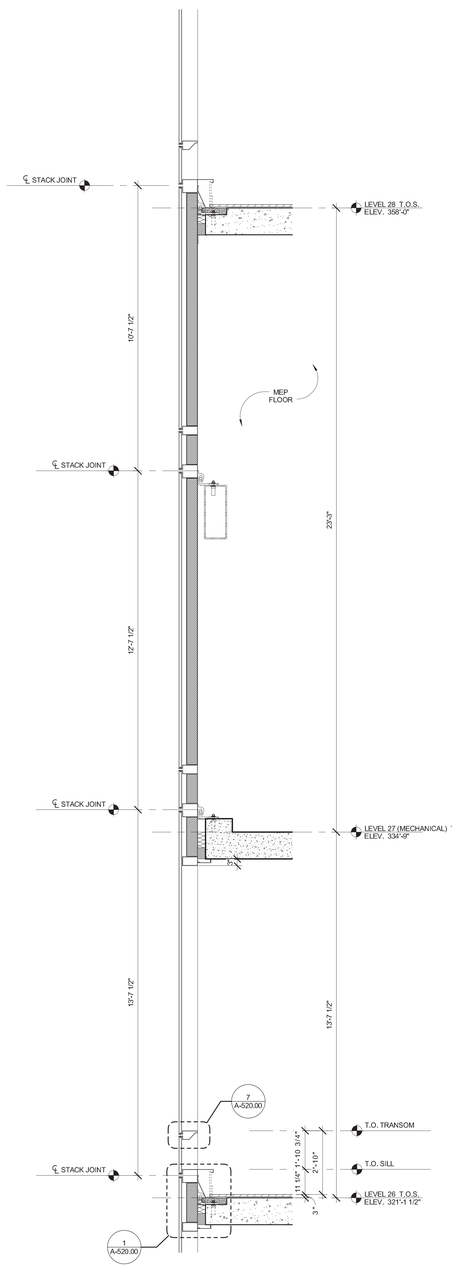
REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE

MATERIAL KEY NOTES:

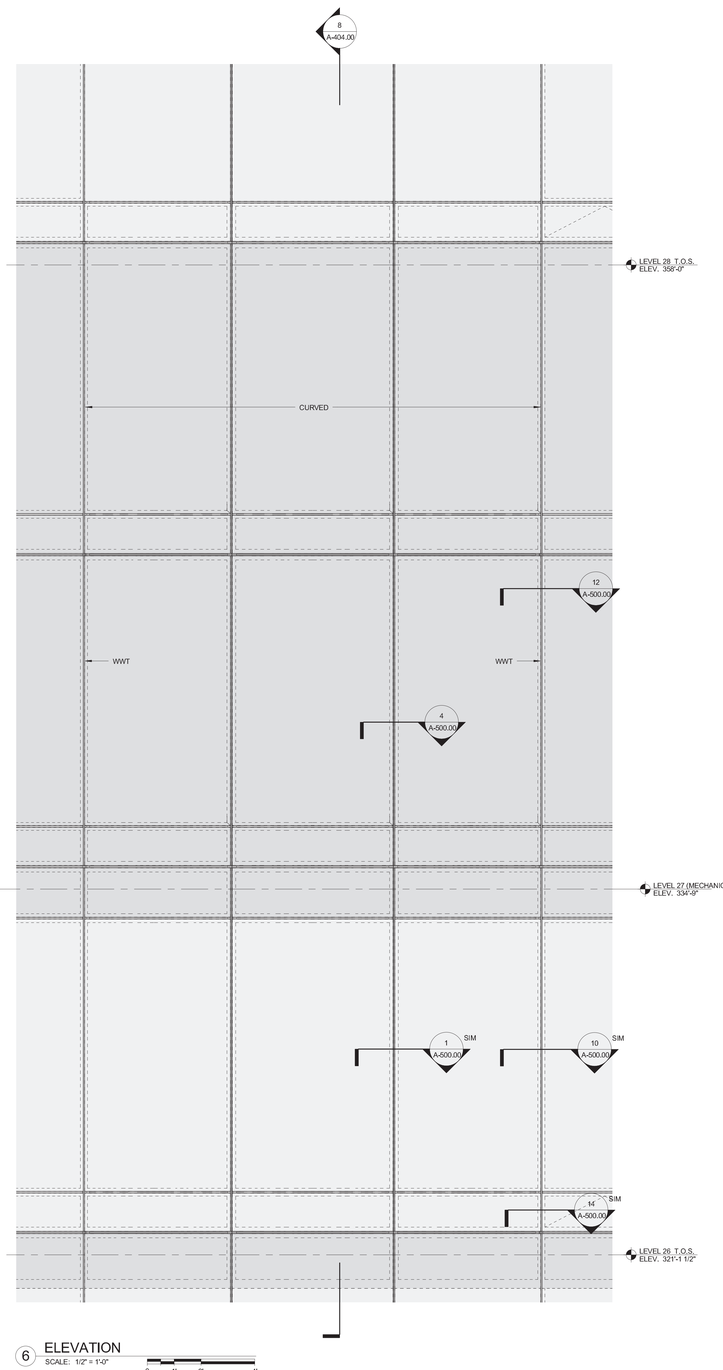
ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL1	VISION PANELS (EXCEPT THE REVEAL)
GL1 (T)	VISION GLASS BELOW 18" A.F.F.
GL1 (F)	OPERABLE WINDOWS
GL3	CURVED VISION PANELS
GL4	SPANDREL & SHADOWBOX
GL6	CURVED SPANDREL & SHADOWBOX
A1	EXTERIOR MULLION COLOUR & VERT FIN
A2	INTERIOR MULLION COLOUR
A3	SHADOWBOX COLOUR

KEY:

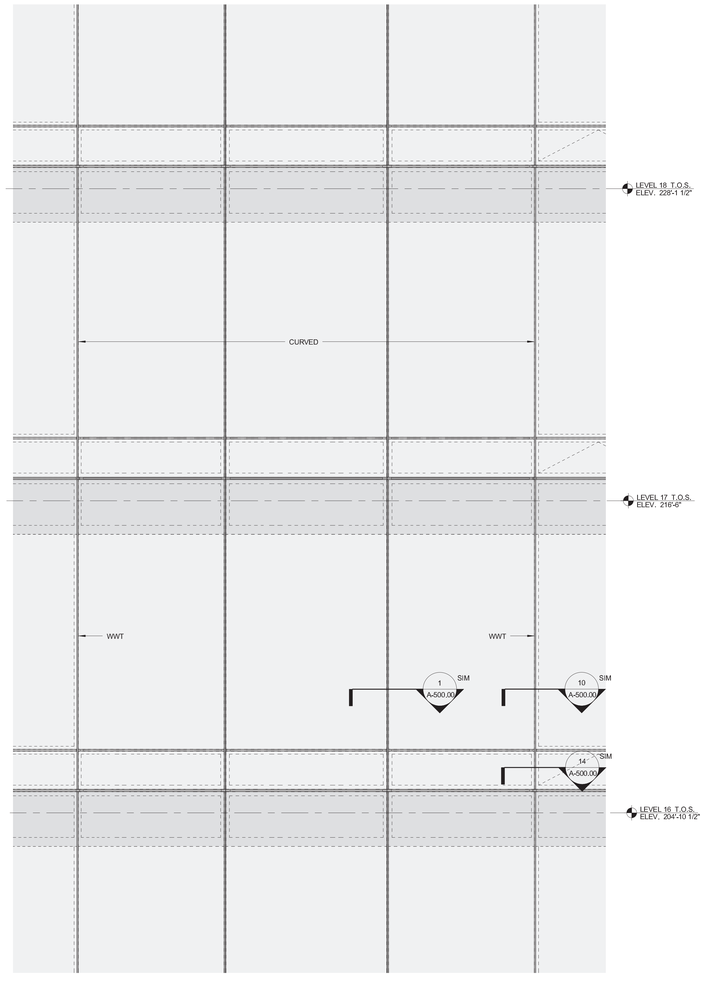
- SPANDREL
- VISION
- RAILING
- EX-1 LIGHTING
- LOUVER



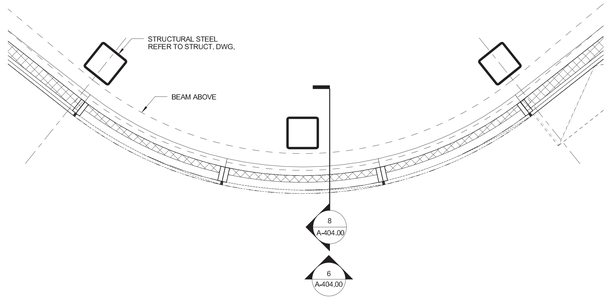
8 SECTION
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



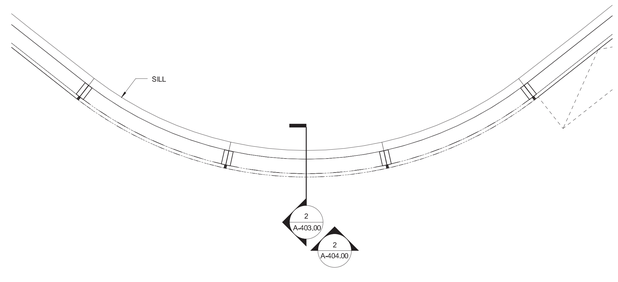
6 ELEVATION
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



2 ELEVATION
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

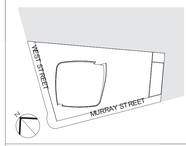


5 PLAN - MECHANICAL L27
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



1 PLAN - RADIUS CORNER
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

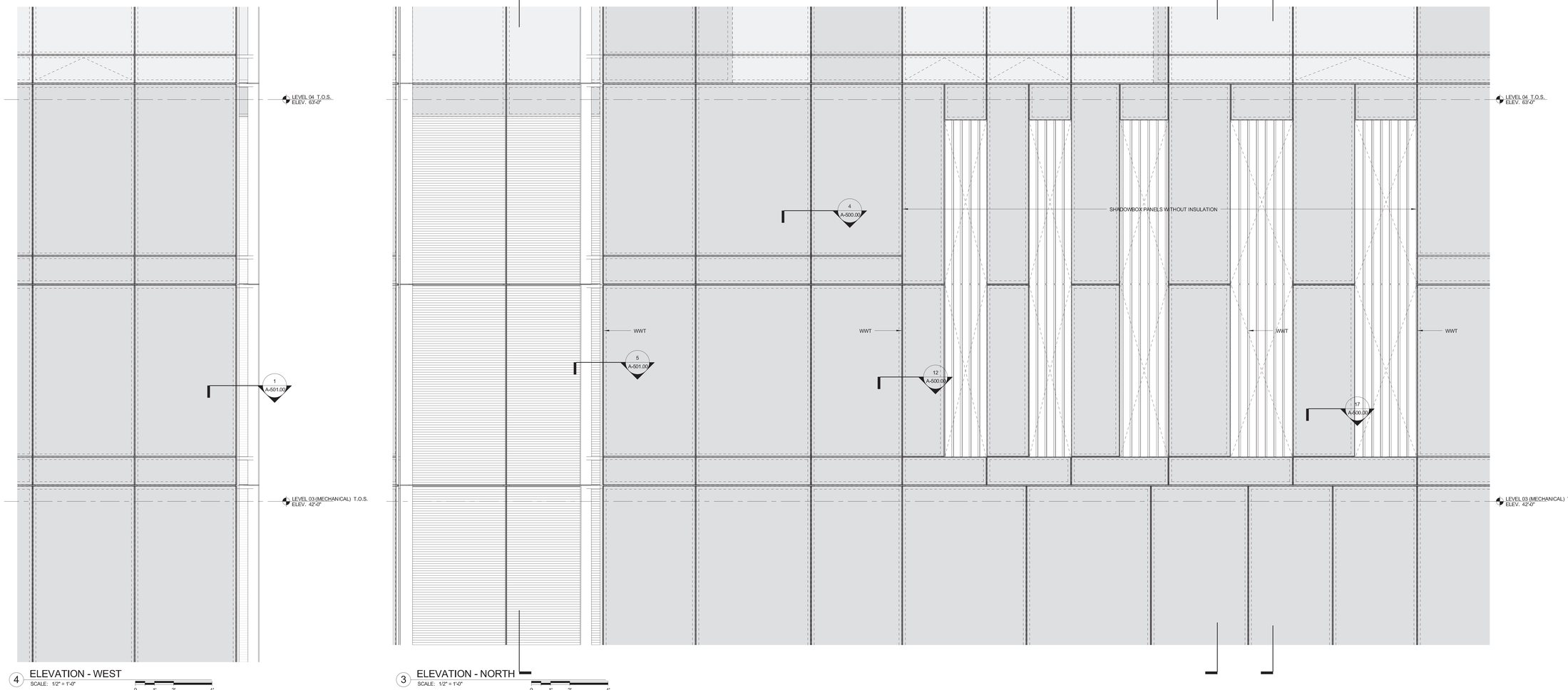
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

DWG TITLE:
WALLTYPE 1 TW RADIUS CORNER

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. WEST
CORONA
NEW YORK

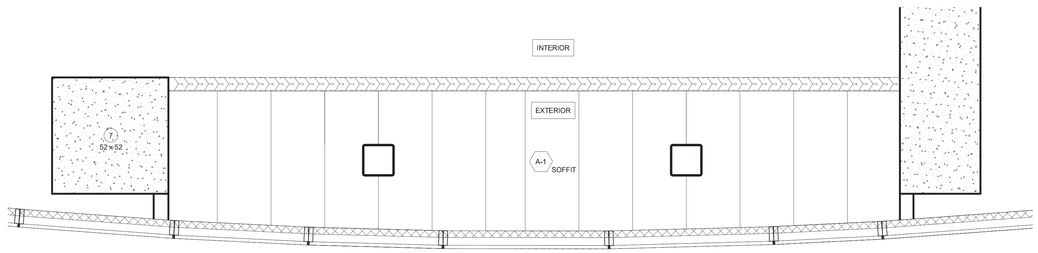
DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-404.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
B3751/08/15 Scan Code

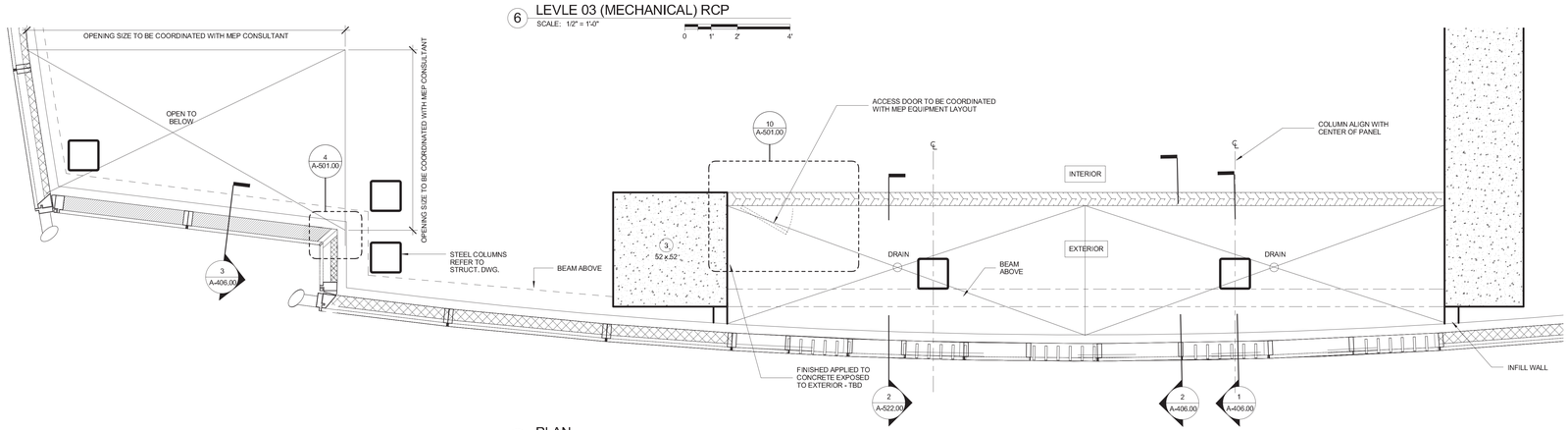


4 ELEVATION - WEST
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

3 ELEVATION - NORTH
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



6 LEVLE 03 (MECHANICAL) RCP
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



1 PLAN
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

MATERIAL KEY NOTES:

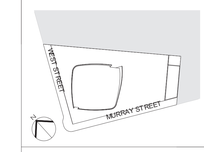
ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL4	SPANDREL & SHADOWBOX
GL5	SPANDREL & SHADOWBOX @ REVEAL
A1	EXTERIOR MULLION COLOUR & VERT FIN
A2	INTERIOR MULLION COLOUR
A3	SHADOWBOX COLOUR
A4	ARCHITECTURAL GRILLE @ MEP FLOORS
A5	BIRDSCEEN

KEY:

SPANDREL	EX-1 LIGHTING
VISION	LOUVER
RAILING	

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
WALLTYPE 1 TW MECHANICAL LOUVERS @ L3

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-405.00
DWG NO.

A-405.00
3

DEPT OF BLDGS 122132110 Job Number
ES7180032054 Scan Code

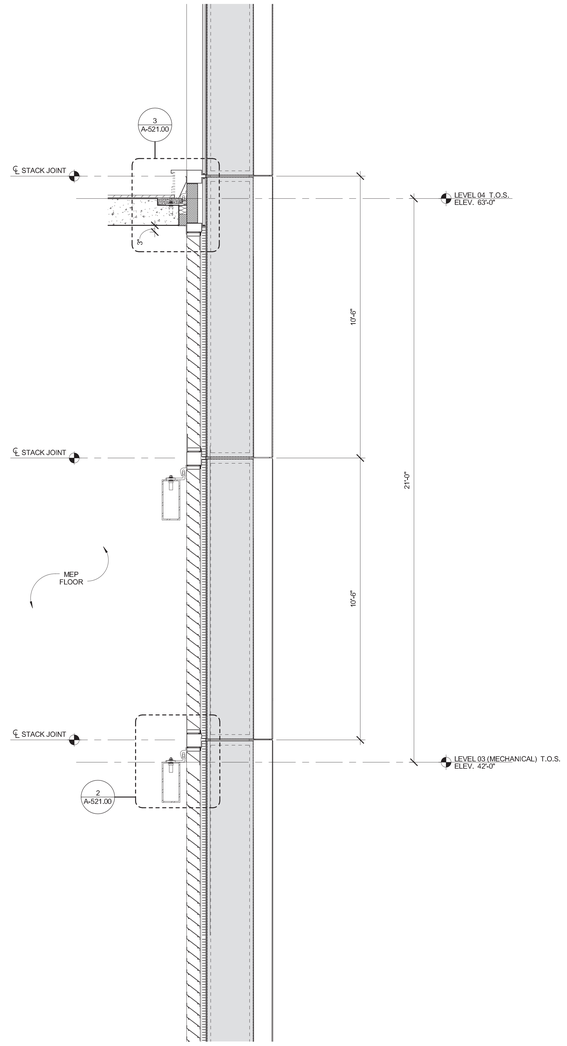
MATERIAL KEY NOTES:

ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL5	SPANDREL & SHADOWBOX @ REVEAL
A1	EXTERIOR MULLION COLOUR & VERT FIN
A2	INTERIOR MULLION COLOUR
A3	SHADOWBOX COLOUR
A4	ARCHITECTURAL GRILLE @ MEP FLOORS
A5	BIRDSCEEN

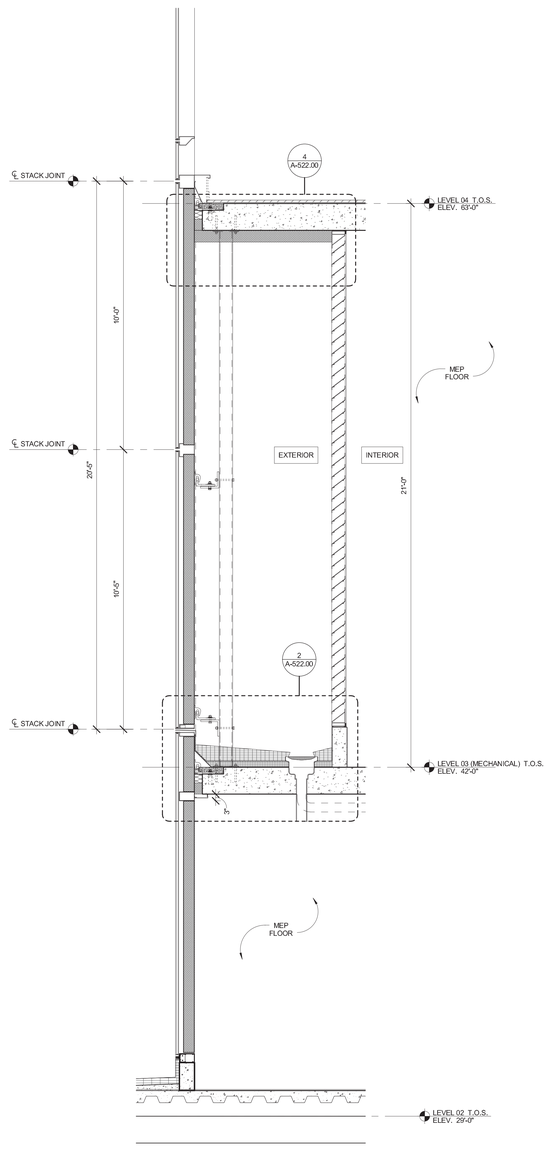
KEY:

- SPANDREL
- VISION
- RAILING
- EX-1 LIGHTING
- LOUVER

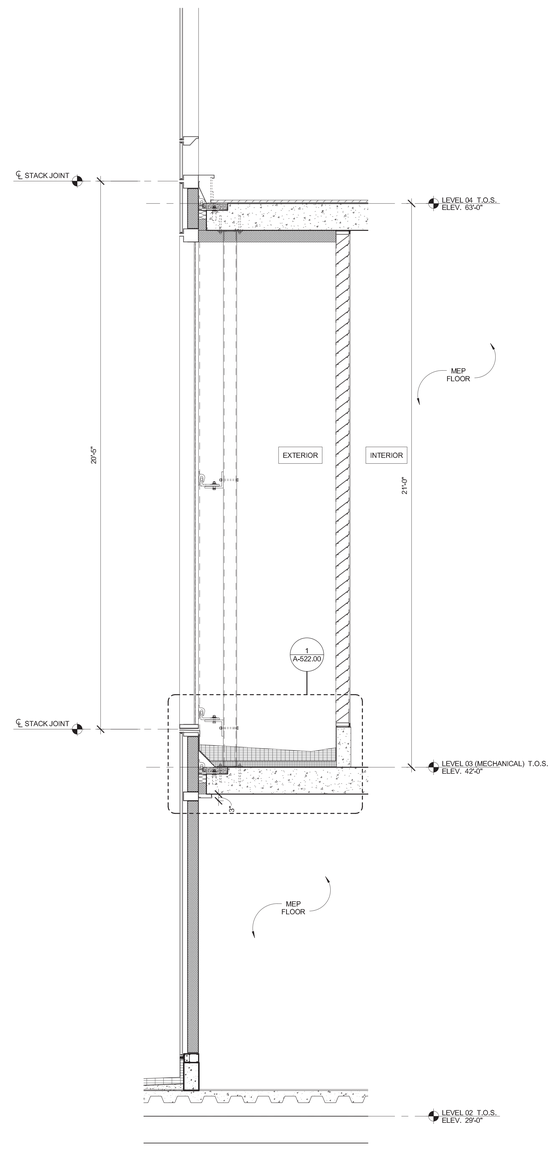
REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE



3 SECTION - MECHANICAL REVEAL
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

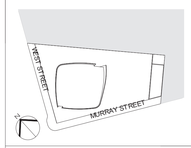


2 SECTION - MECHANICAL SHADOW BOX
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



1 SECTION - MECHANICAL OPEN VENT
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

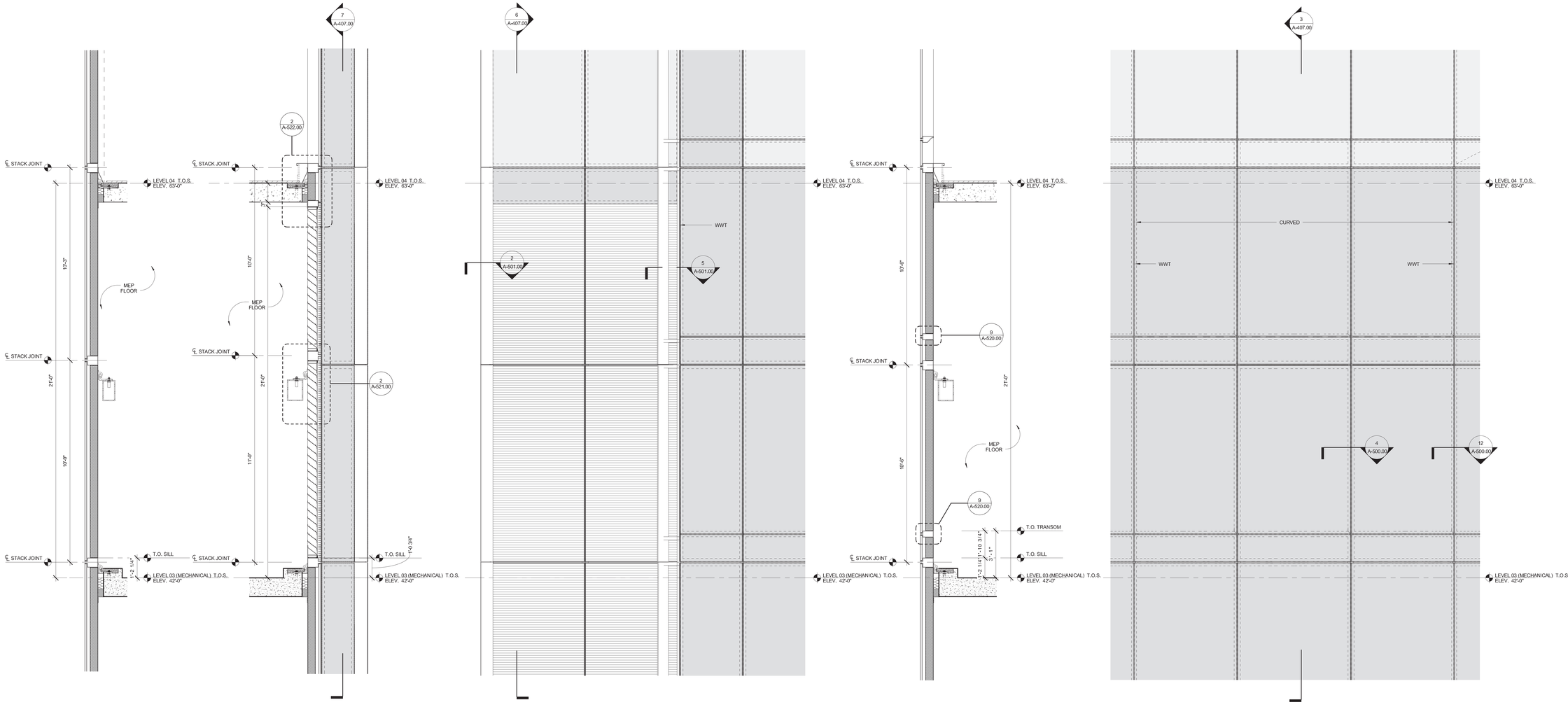
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
WALLTYPE 1 TW MECHANICAL SECTIONS @ L3

SEAL & SIGNATURE:
REGISTERED ARCHITECT
DAVID STEPHEN HILL
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-406.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E500468820017 Scan Code



7 SECTION
SCALE: 1/2" = 1'-0"

6 SECTION
SCALE: 1/2" = 1'-0"

5 ELEVATION - SOUTH
SCALE: 1/2" = 1'-0"

3 SECTION
SCALE: 1/2" = 1'-0"

2 ELEVATION - RADIUS CORNER
SCALE: 1/2" = 1'-0"

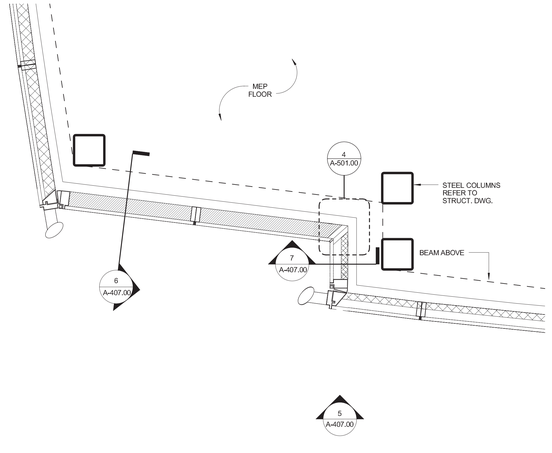
MATERIAL KEY NOTES:

ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL4	SPANDREL & SHADOWBOX
GL5	SPANDREL & SHADOWBOX @ REVEAL
A1	EXTERIOR MULLION COLOUR & VERT FIN
A2	INTERIOR MULLION COLOUR
A3	SHADOWBOX COLOUR
A4	ARCHITECTURAL GRILLE @ MEP FLOORS

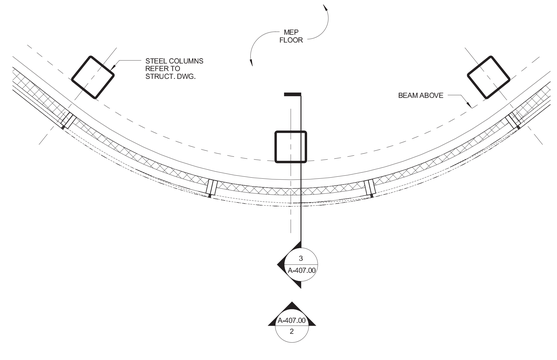
KEY:

SPANDREL
VISION
RAILING
EX-1 LIGHTING
LOUVER

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE

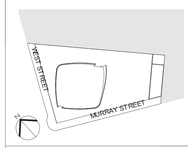


4 PLAN - MECHANICAL REVEAL
SCALE: 1/2" = 1'-0"



1 PLAN - MECHANICAL L03
SCALE: 1/2" = 1'-0"

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

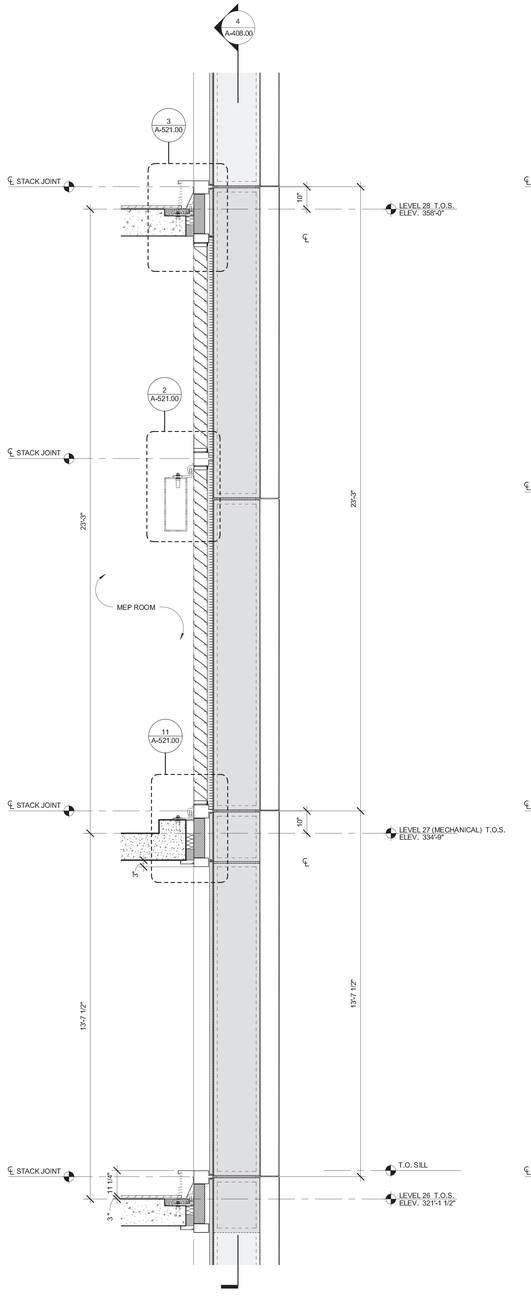
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 1 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
WALLTYPE 1 TW MECHANICAL LOUVERS @ L3

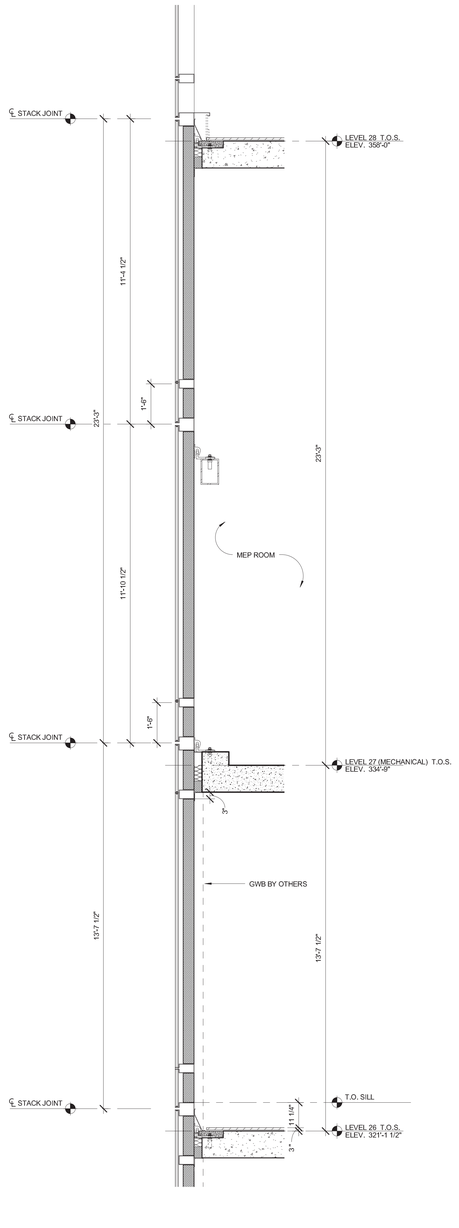
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. WEST
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-407.00
DWG NO.

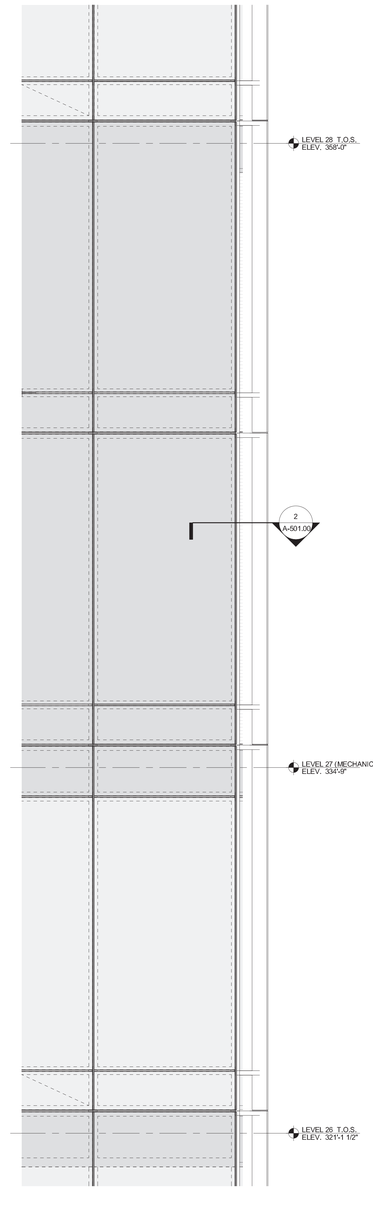
DEPT OF BLDGS 122132110 Job Number
E579226630S Scan Code



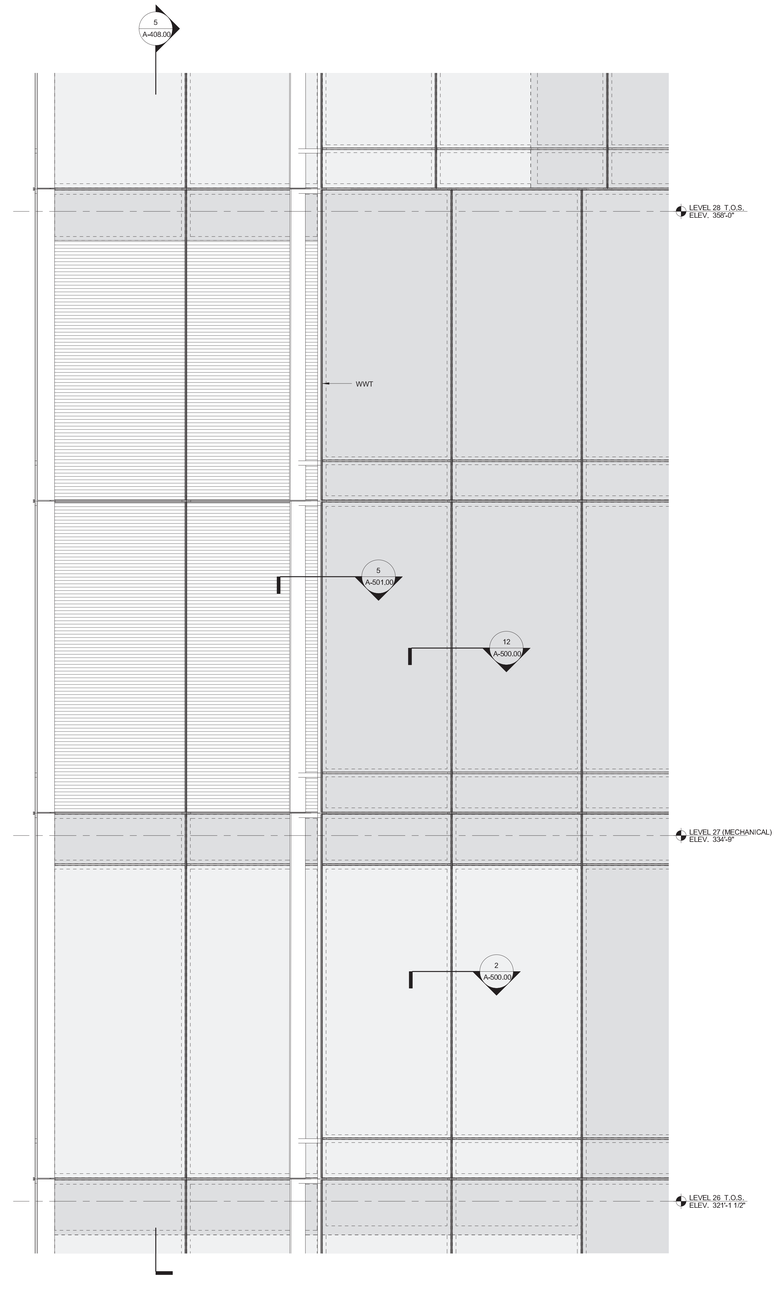
5 SECTION/ELEVATION - REVEAL
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



4 SECTION/ELEVATION - REVEAL
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



3 ELEVATION - METAL EDGE
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



2 ELEVATION - MECHANICAL REVEAL
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

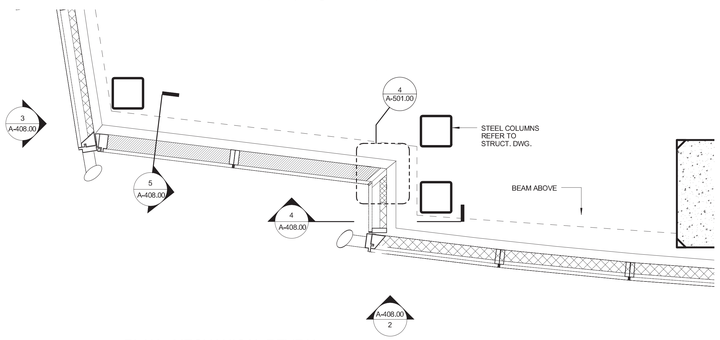
MATERIAL KEY NOTES:

ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL2	VISION GLASS @ REVEAL
GL5	SPANDREL & SHADOWBOX @ REVEAL
A1	EXTERIOR MULLION COLOUR & VERT FIN
A2	INTERIOR MULLION COLOUR
A3	SHADOWBOX COLOUR
A4	ARCHITECTURAL GRILLE @ MEP FLOORS

KEY:

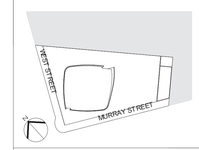
SPANDREL	EX-1 LIGHTING
VISION	LOUVER
RAILING	

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE



1 PLAN - MECHANICAL REVEAL
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

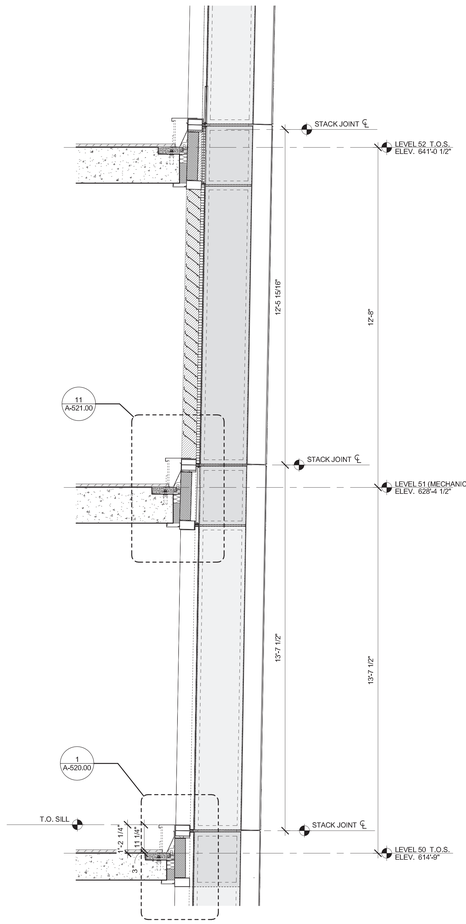
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
WALLTYPE 1 TW MECHANICAL REVEAL @ L27

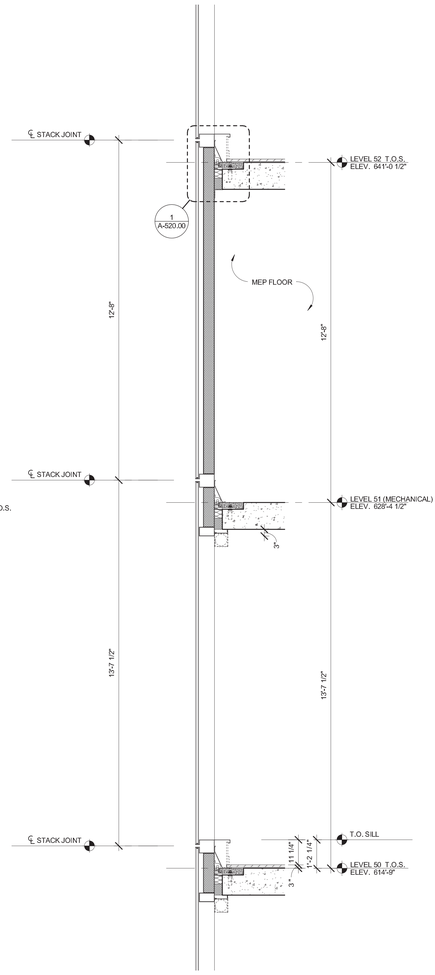
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
028004
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	**A-408.00**

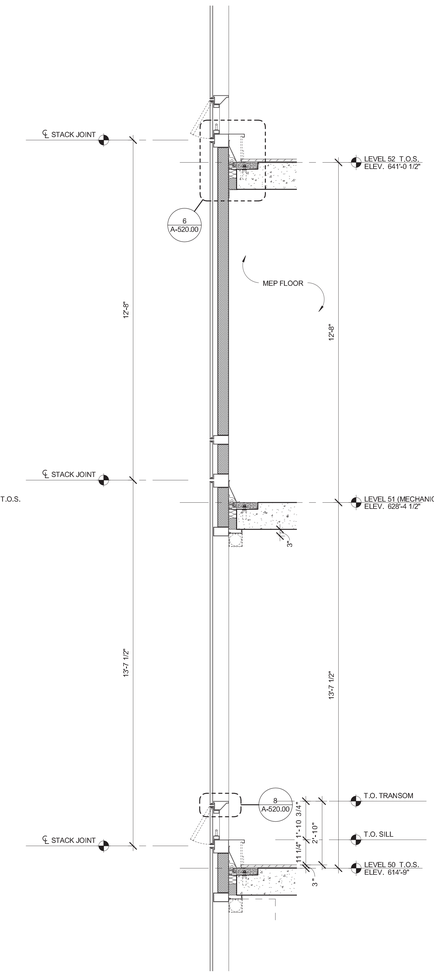
DEPT OF BLDGS 122132110 Job Number
E532021990 Scan Code



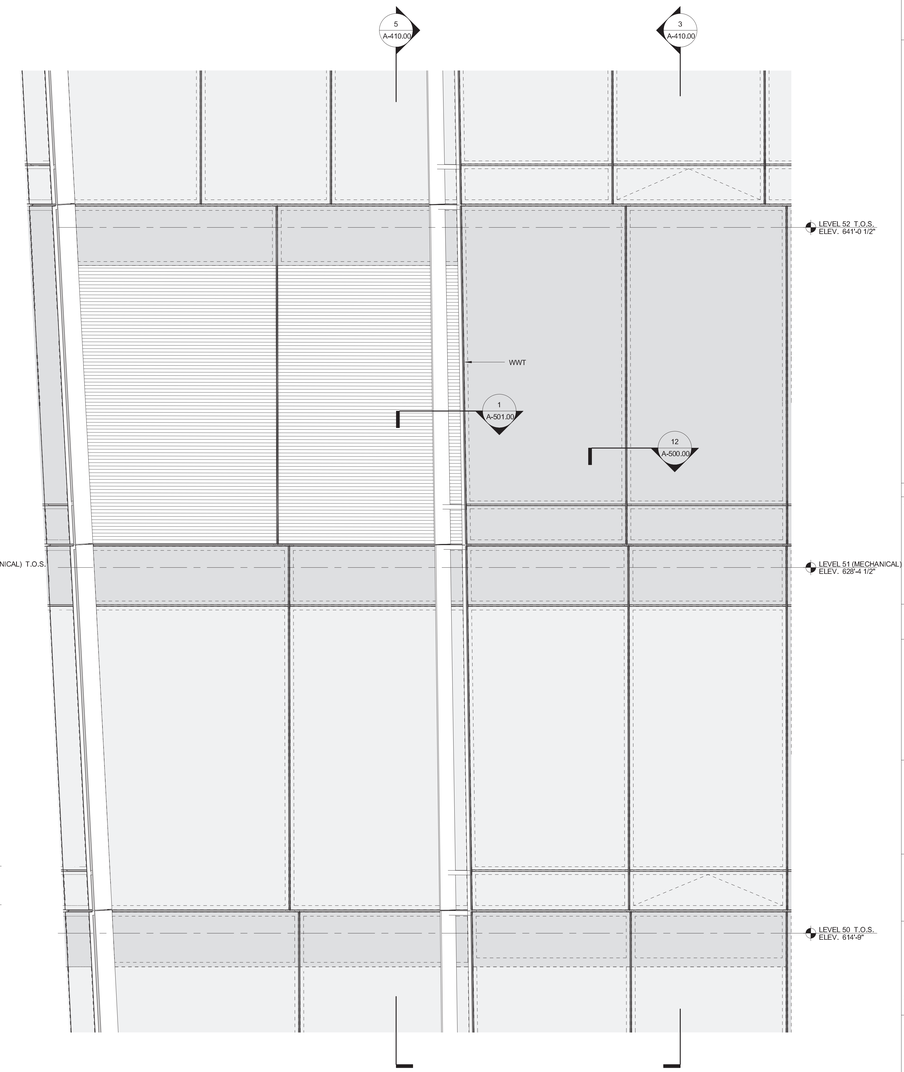
5 SECTION - REVEAL SOUTH
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



4 SECTION - REVEAL EAST
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



3 SECTION - SHADOW BOX
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



2 ELEVATION - MECHANICAL LOUVERS
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

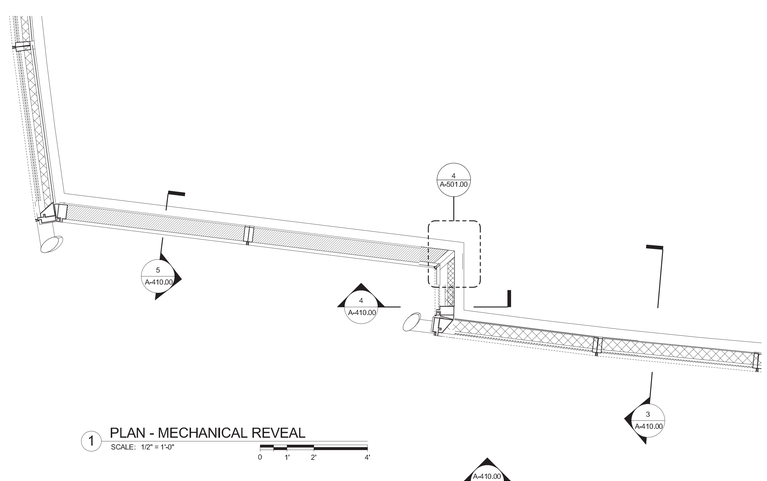
MATERIAL KEY NOTES:

ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL1	VISION PANELS (EXPECT THE REVEAL)
GL1 (T)	VISION GLASS BELOW 18" A.F.F.
GL1 (F)	OPERABLE WINDOWS
GL2	VISION GLASS @ REVEAL
GL4	SPANDREL & SHADOWBOX
GL5	SPANDREL & SHADOWBOX @ REVEAL
A1	EXTERIOR MULLION COLOUR & VERT FIN
A2	INTERIOR MULLION COLOUR
A3	SHADOWBOX COLOUR

KEY:

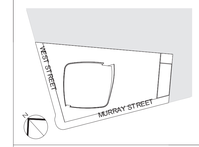
SPANDREL	EX-1 LIGHTING
VISION	LOUVER
RAILING	

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE



1 PLAN - MECHANICAL REVEAL
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.0108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

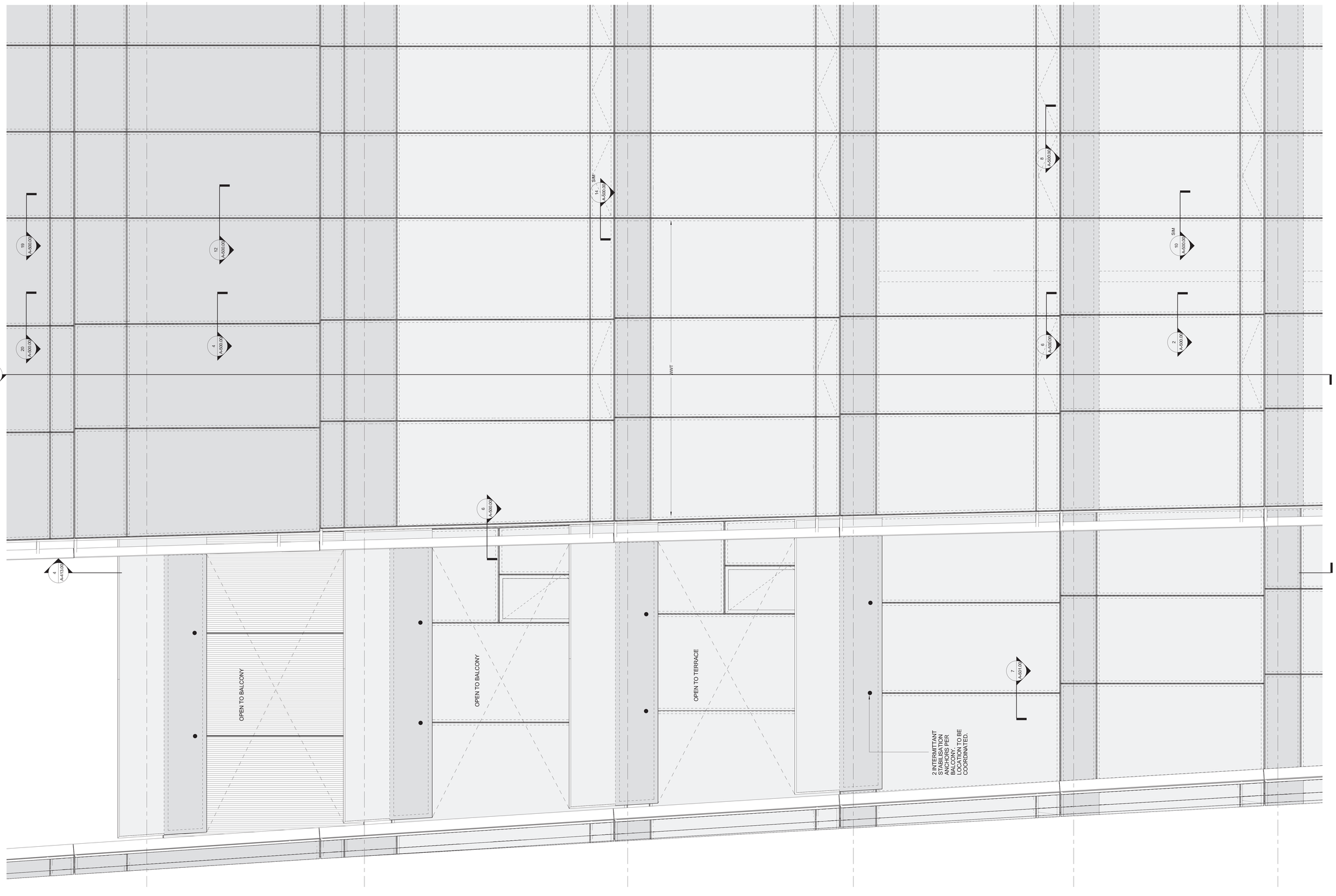
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
WALLTYPE 1 TW MECHANICAL LOUVERS @ L51

SEAL & SIGNATURE:
REGISTERED ARCHITECT
GEO STEPHEN WEST
025054
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-410.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
B3220501090 Scan Code



REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE

KEY:

SPANDREL	EX-1 LIGHTING
VISION	LOUVER
RAILING	

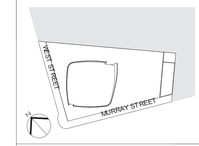
MATERIAL KEY NOTES:

ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE

GL1	VISION PANELS (EXCEPT THE REVEAL)	GL5	SPANDREL PANELS @ REVEAL
GL1 (T)	VISION GLASS BELOW 18" A.F.F.	GL7	BALCONY GLASS RAILINGS
GL1 (F)	OPERABLE WINDOWS	GL8	BALCONY DOOR GLAZING
GL2	VISION GLASS @ REVEAL	A1	EXTERIOR MULLION COLOUR & VERT FIN
GL4	SPANDREL & SHADOWBOX	A2	INTERIOR MULLION COLOUR
		A3	SHADOWBOX COLOUR

1 **ELEVATION - NORTH**
SCALE: 1/2" = 1'-0"

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

FB THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
WALLTYPE 1 & 2 TW TYPICAL PENTHOUSE ELEVATIONS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
DAVID STEPHEN HILL
No. 028004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-412.00
DWG NO.

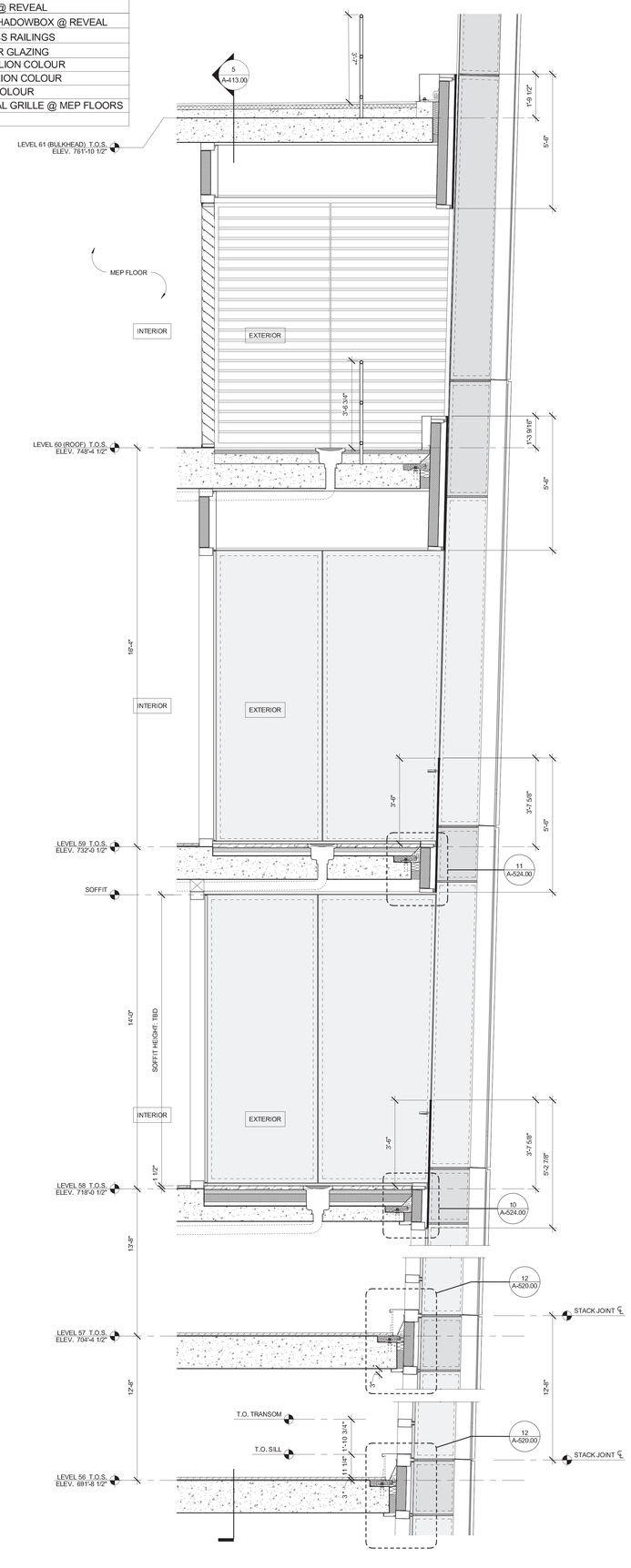
DEPT OF BLDGS 122132110 Job Number
E380005355S Scan Code

MATERIAL KEY NOTES:

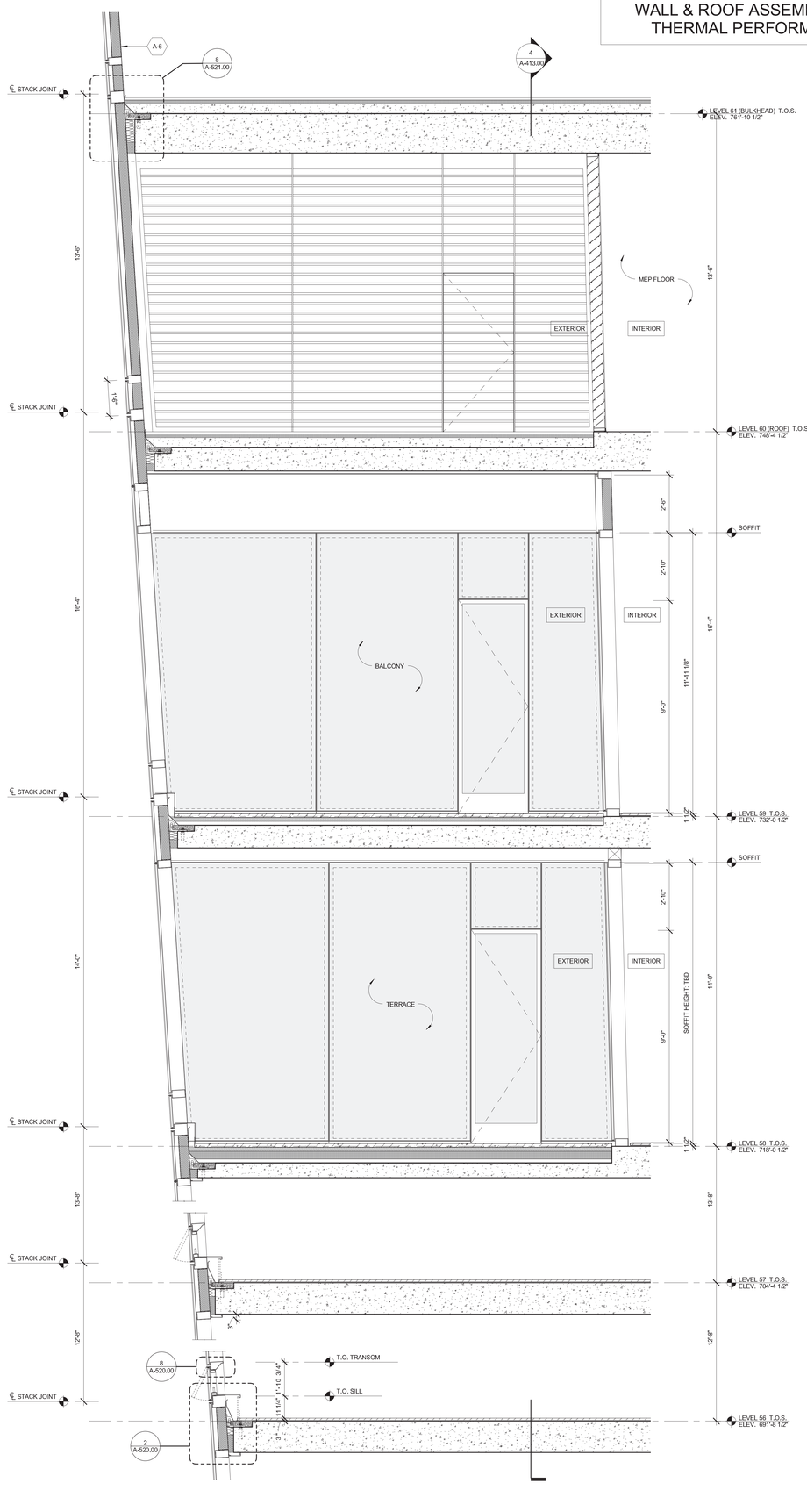
	ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE
GL2	VISION GLASS @ REVEAL
GL5	SPANDREL & SHADOWBOX @ REVEAL
GL7	BALCONY GLASS RAILINGS
GL8	BALCONY DOOR GLAZING
A1	EXTERIOR MULLION COLOUR
A2	INTERIOR MULLION COLOUR
A3	SHADOWBOX COLOUR
A4	ARCHITECTURAL GRILLE @ MEP FLOORS
A5	BIRDSCEEN

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE

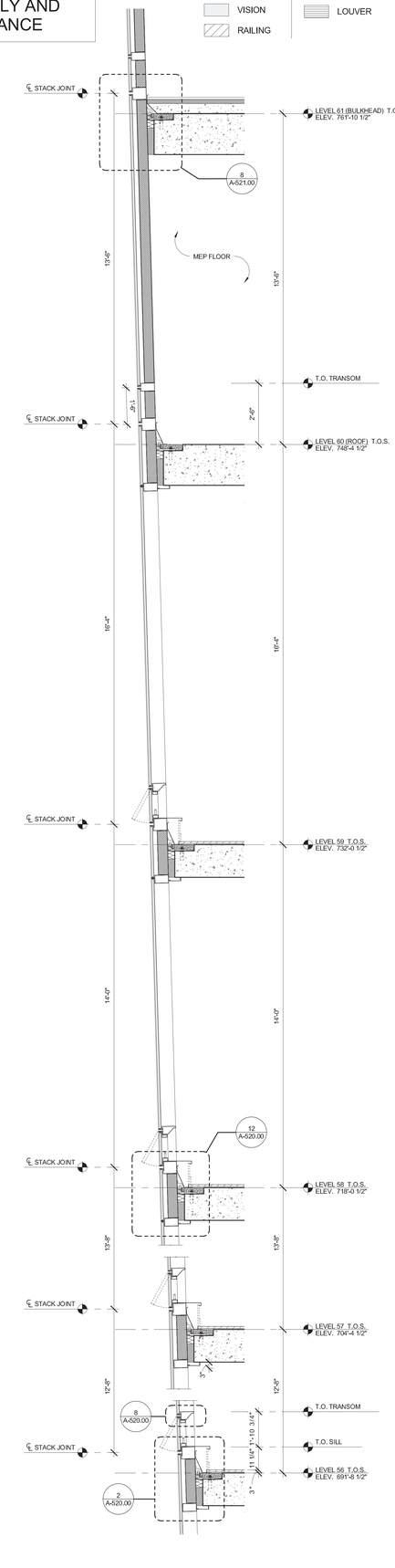
KEY:
SPANDREL | EX-1 LIGHTING
VISION | LOUVER
RAILING



4 SECTION - REVEAL
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

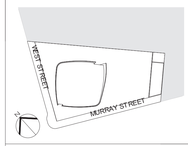


5 SECTION - REVEAL
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



3 SECTION - OPERABLE
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

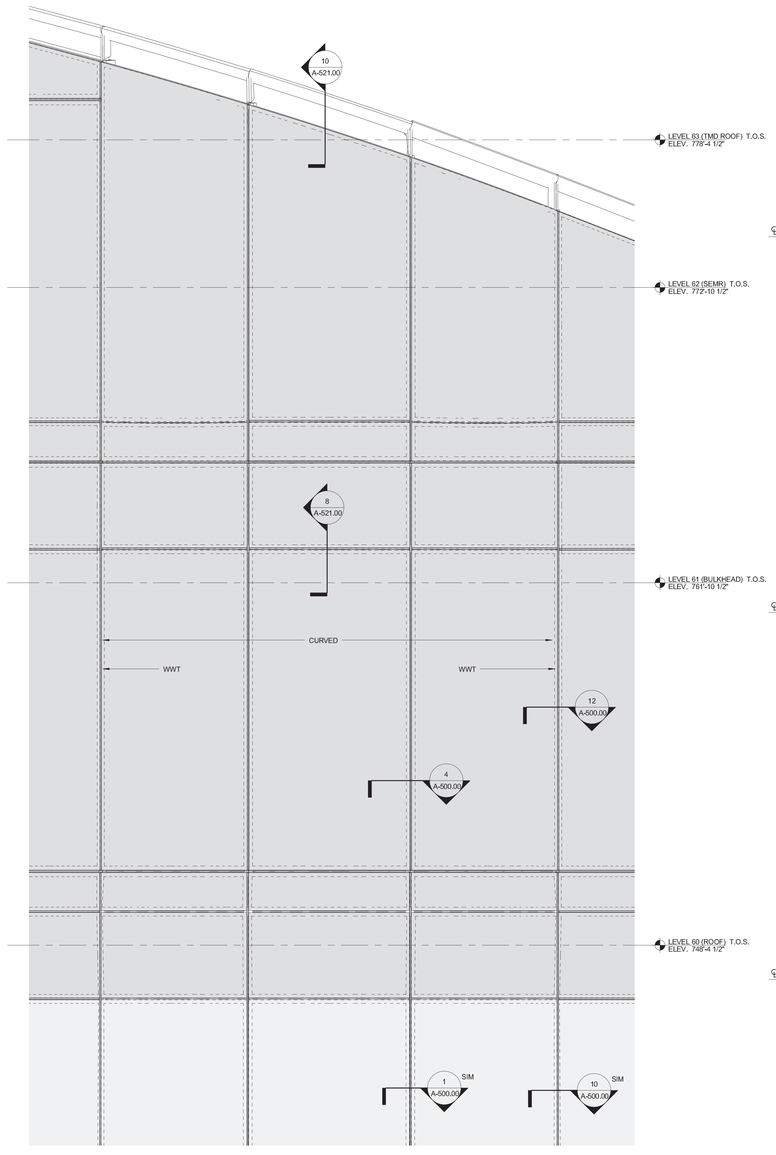
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
WALLTYPE 1 & 2 TW TYPICAL PENTHOUSE SECTIONS

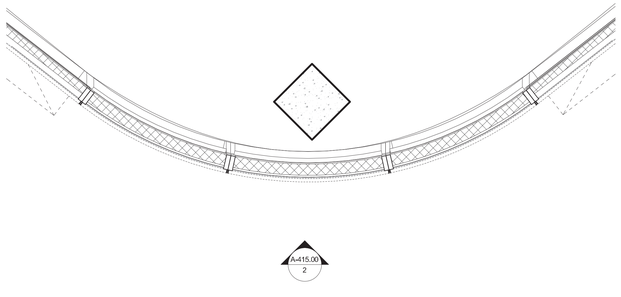
SEAL & SIGNATURE:
REGISTERED ARCHITECT STEPHEN T. YEE 026004 STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-413.00
DWG NO.

DEPT OF BLDGS 121323110 Job Number
E509901435 Scan Code



2 ELEVATION
SCALE: 1/2" = 1'-0"



MATERIAL KEY NOTES:

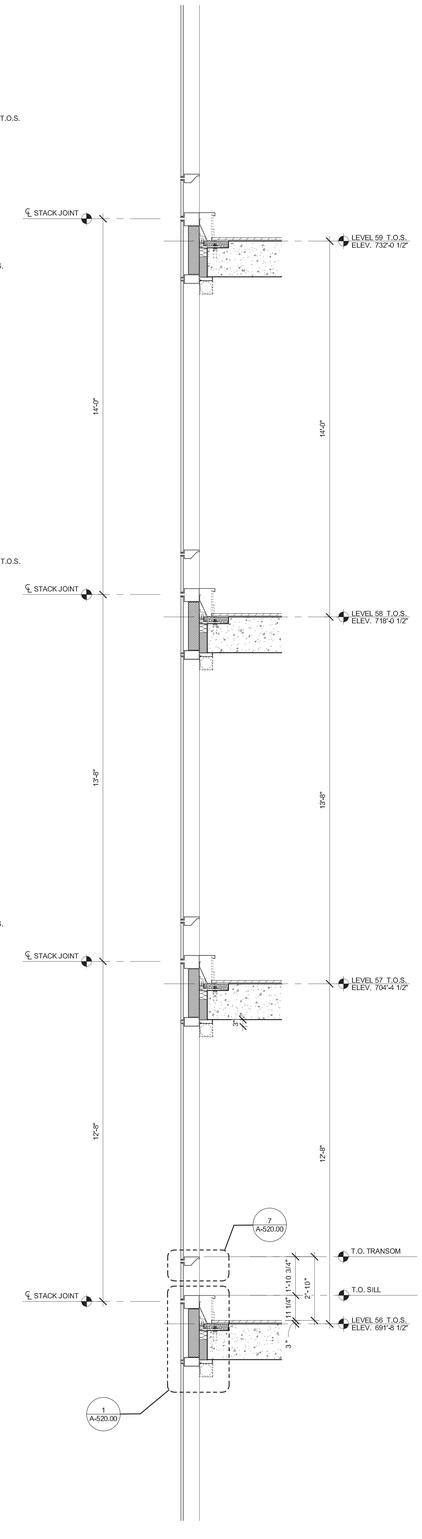
ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL3	CURVED VISION PANELS
GL6	CURVED SPANDREL & SHADOWBOX
A1	EXTERIOR MULLION COLOUR & VERT FIN
A2	INTERIOR MULLION COLOUR
A3	SHADOWBOX COLOUR

KEY:

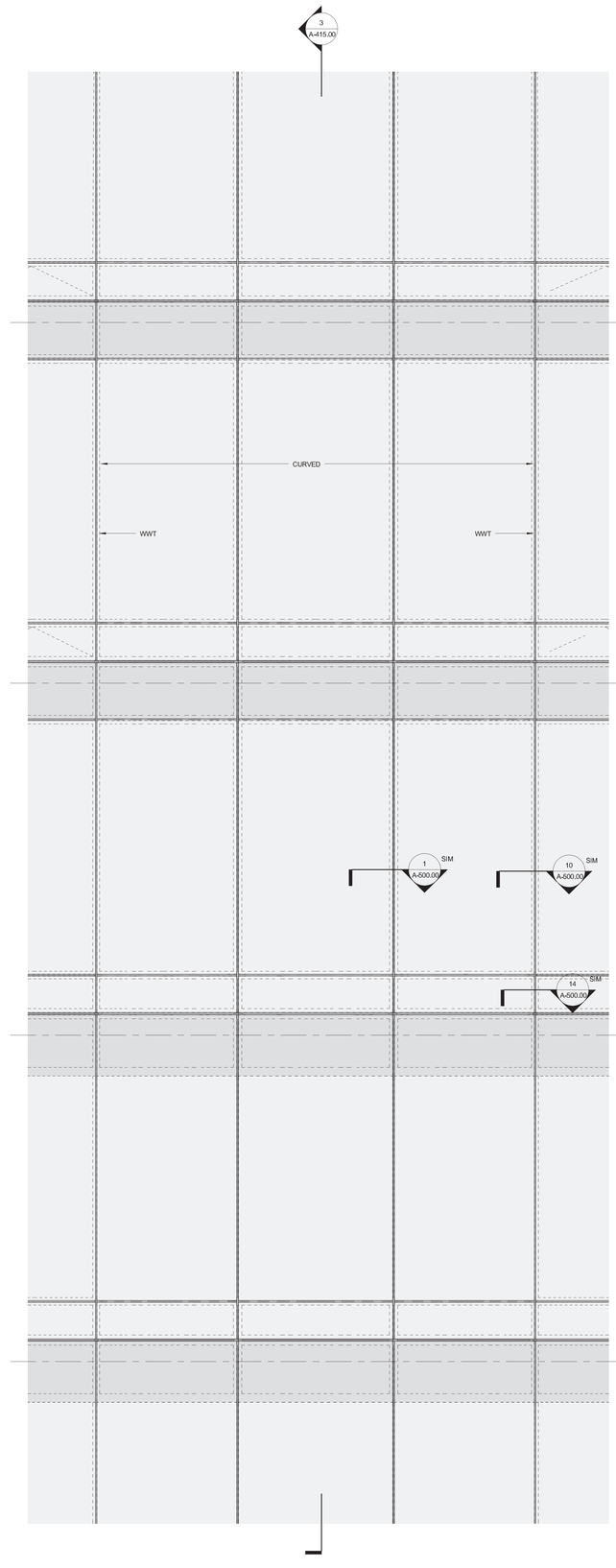
SPANDREL
VISION
RAILING
EX-1 LIGHTING
LOUVER

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE

1 PLAN
SCALE: 1/2" = 1'-0"

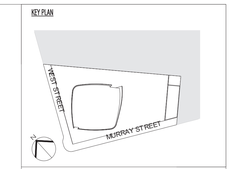


3 SECTION
SCALE: 1/2" = 1'-0"



4 ELEVATION
SCALE: 1/2" = 1'-0"

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

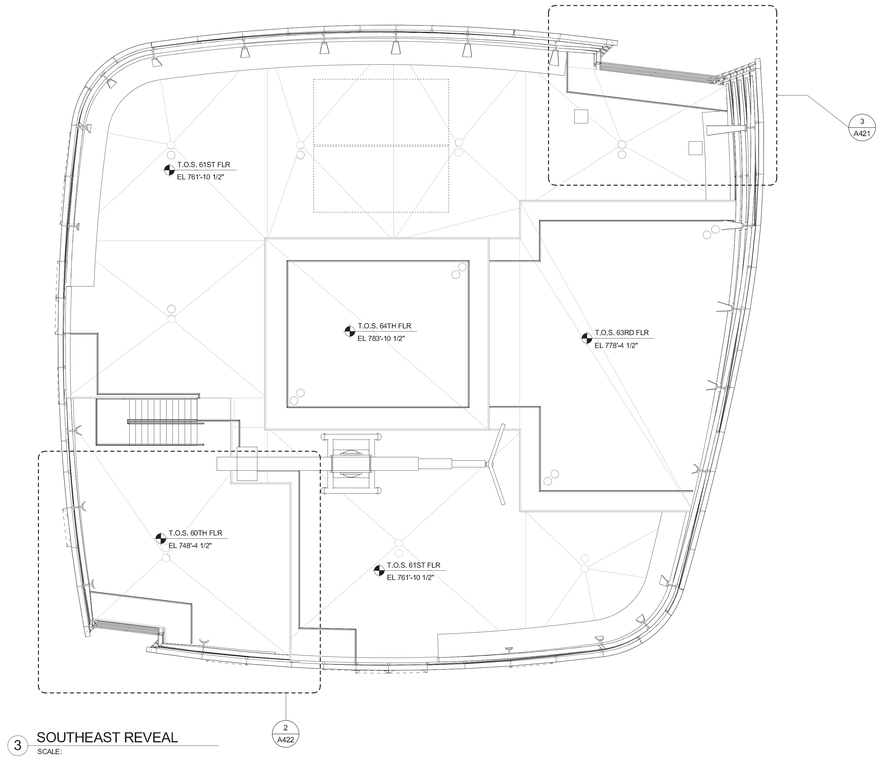
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

DWG TITLE:
WALLTYPE 1 TW
RADIUS CORNER

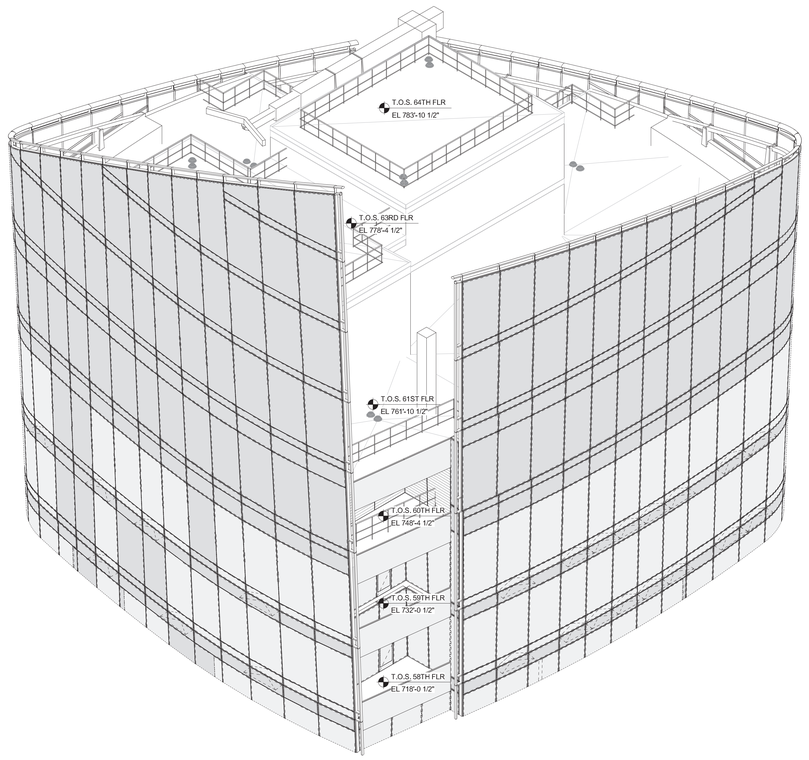
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. YEE
025004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
DWG NO. A-415.00

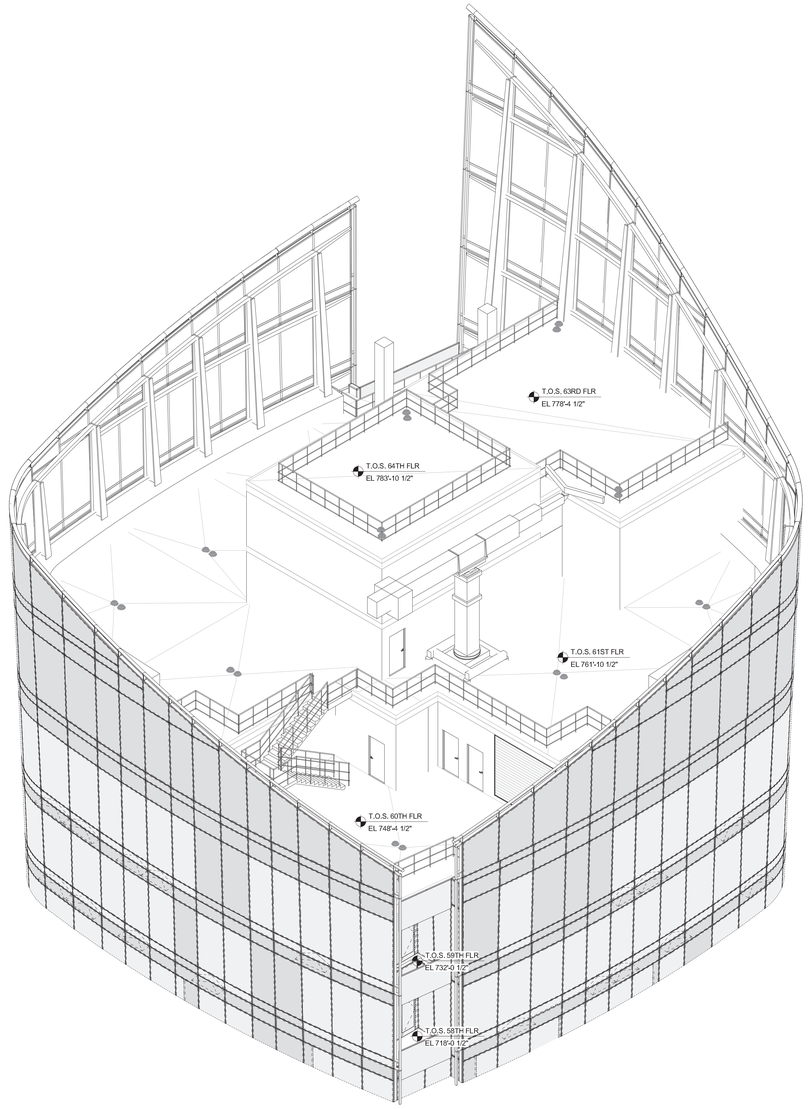
DEPT OF BLDGS 122132110 Job Number
ES40615A109 Scan Code



3 SOUTHEAST REVEAL
SCALE:

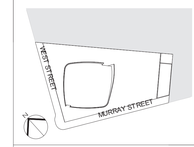


2 NORTHWEST REVEAL
SCALE:



1 SOUTHEAST REVEAL
SCALE:

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

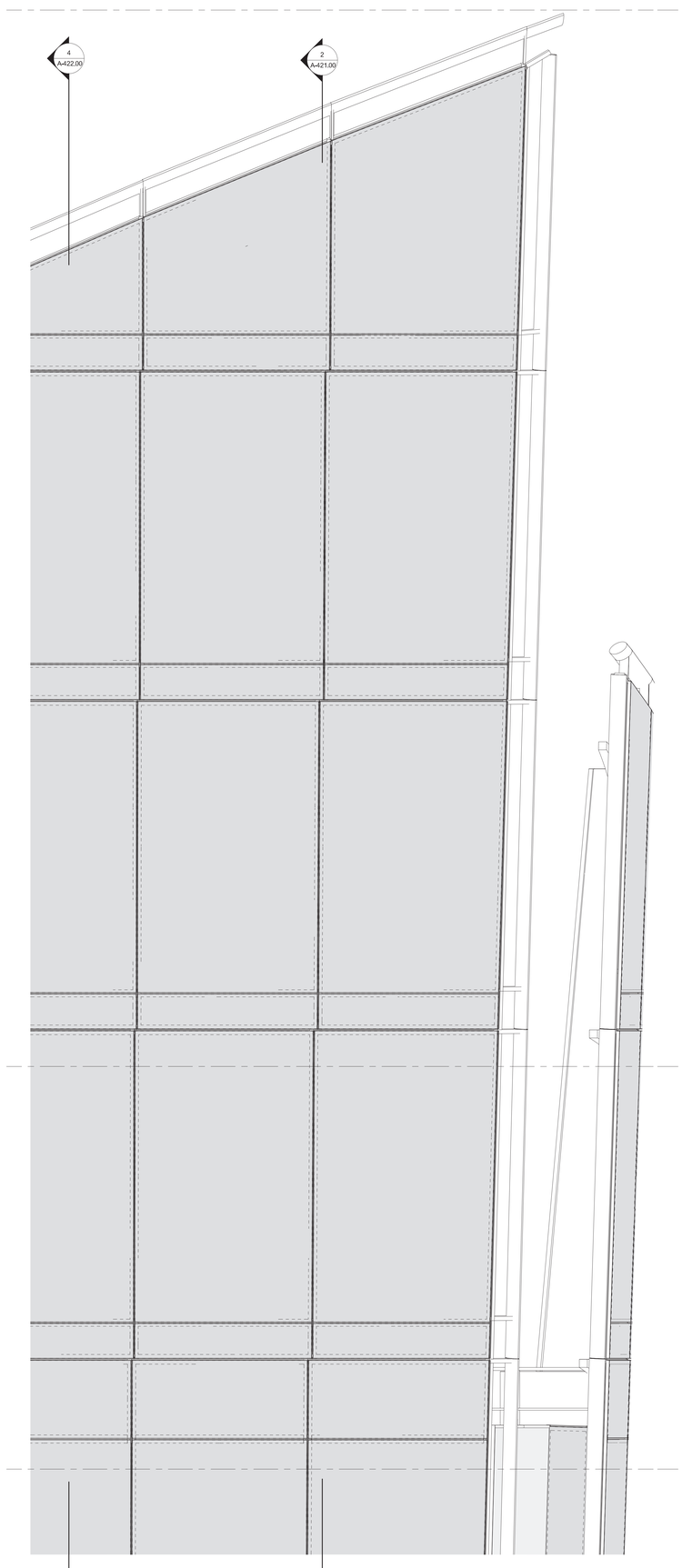
DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

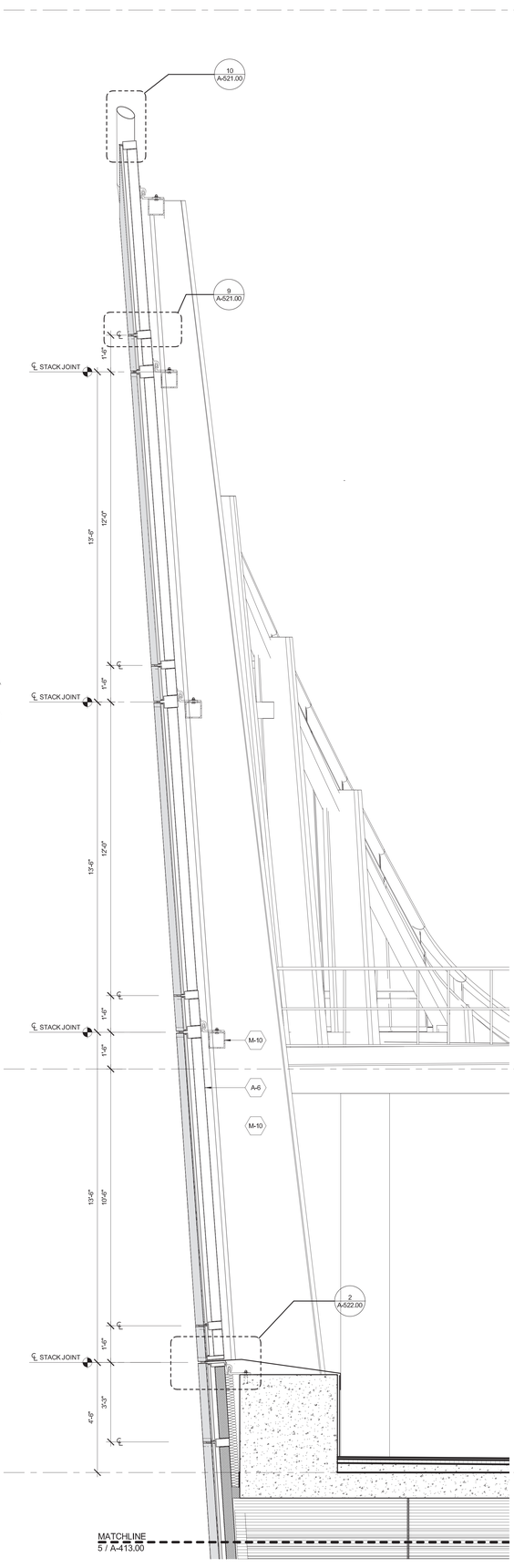
DWG TITLE:
WALLTYPE 1 & 3
CROWN ISOMETRIC

SEAL & SIGNATURE:
REGISTERED ARCHITECT
DO STEPHEN YEE
STATE OF NEW YORK

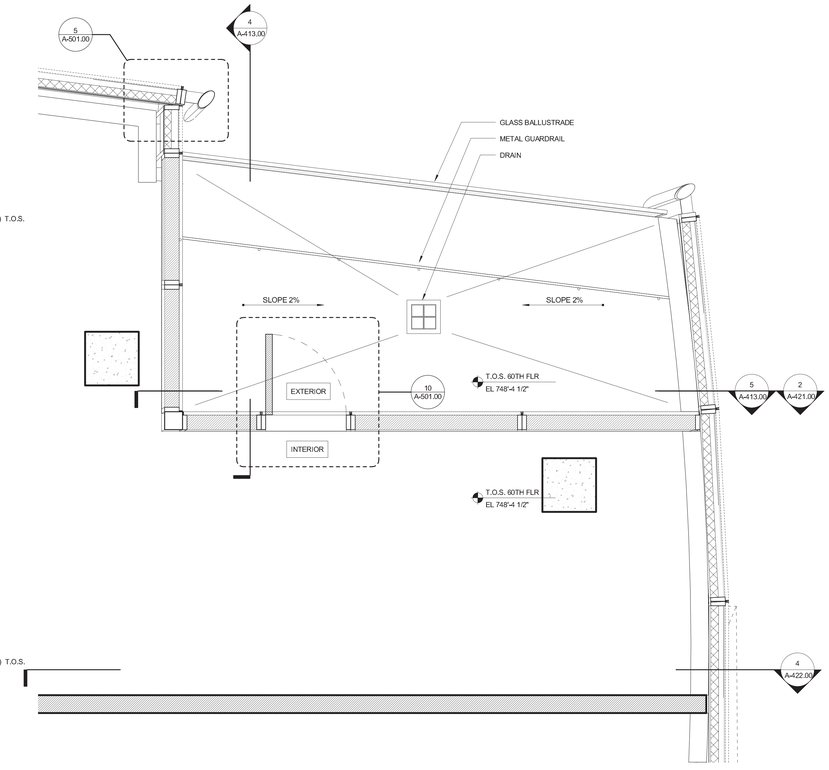
DATE: 09/15/14
PROJECT #: 13A26
SCALE:
A-420.00
DWG NO.



3 ELEVATION - EAST PARAPET
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



2 SECTION - REVEAL
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



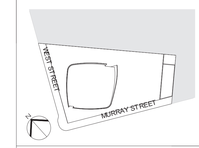
1 PLAN - LEVEL 60 NE REVEAL
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

KEY:

SPANDREL	EX-1 LIGHTING
VISION	LOUVER
RAILING	

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

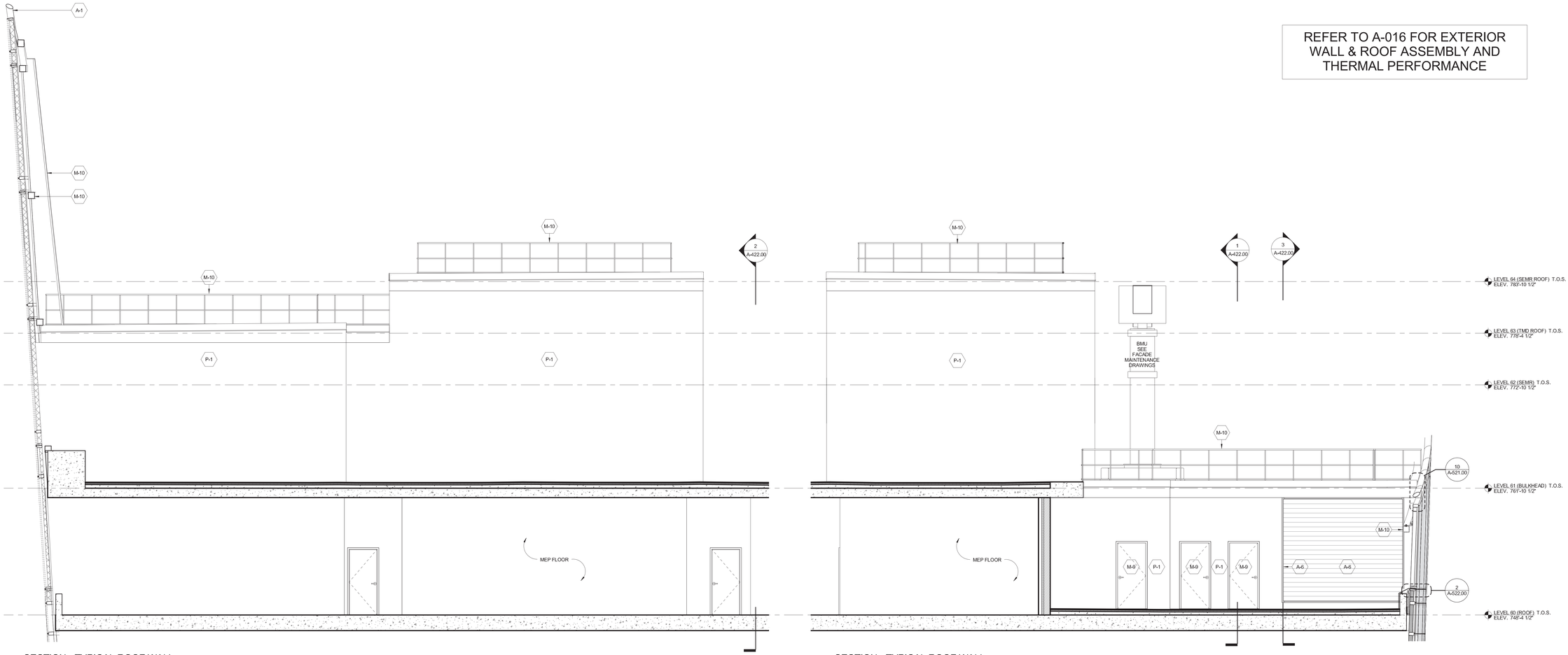
DWG TITLE:
WALLTYPE 1 & 3 TW NE CROWN CORNER

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JO STEPHEN HILL
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/2" = 1'-0"
DWG NO. A-421.00

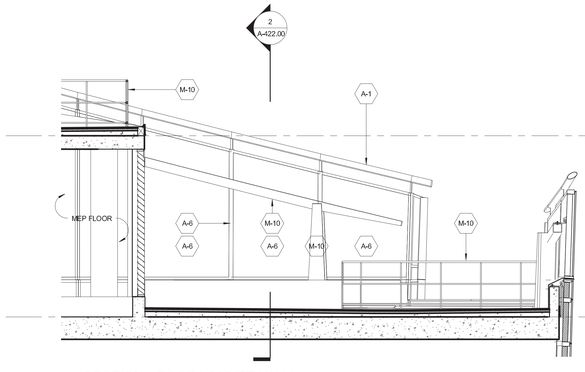
DEPT OF BLDGS 121323.00 Job Number
ES3512001R5 Scan Code

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE

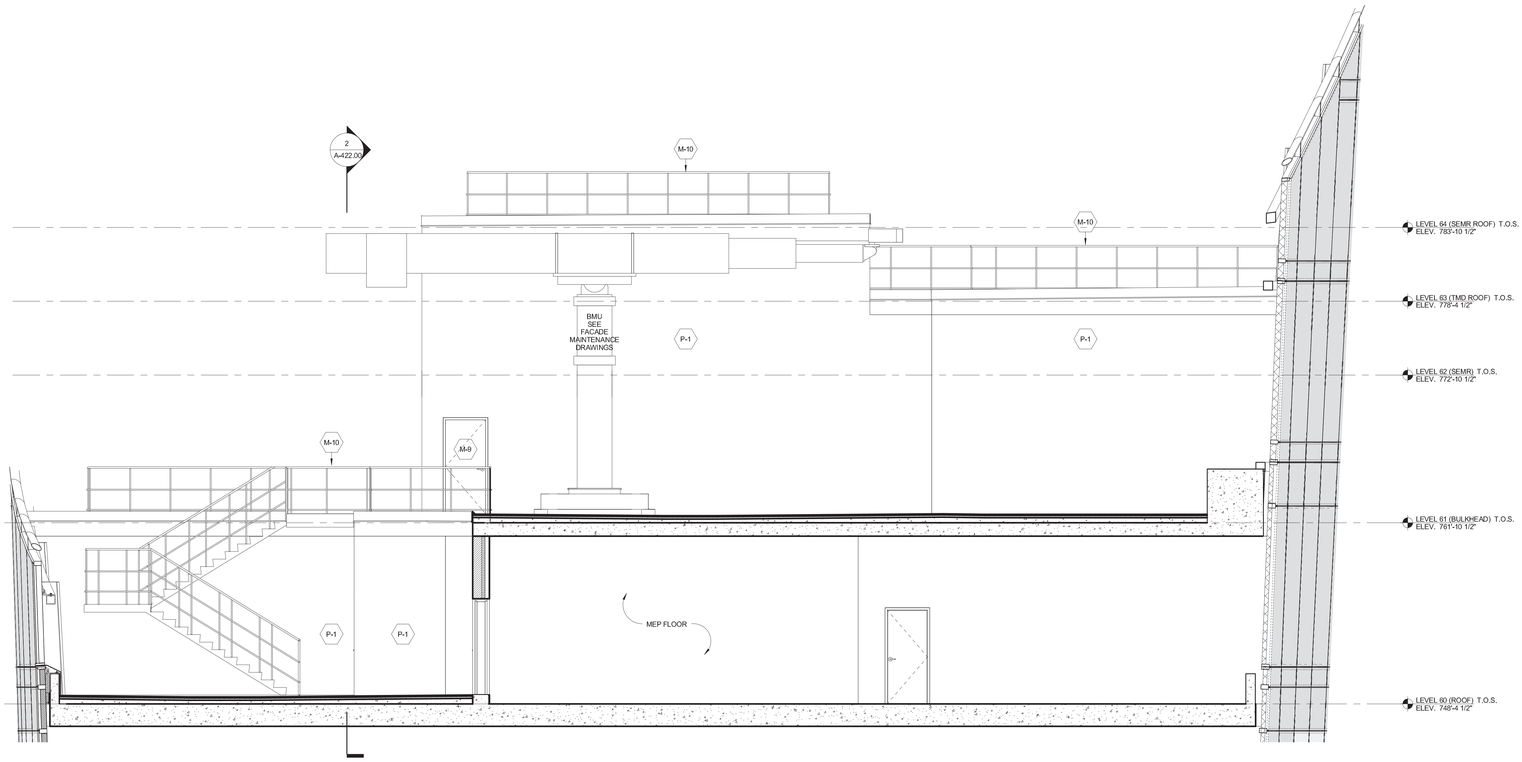


4 SECTION - TYPICAL ROOF WALL
SCALE: 1/4" = 1'-0"
0 2' 4' 8'

2 SECTION - TYPICAL ROOF WALL
SCALE: 1/4" = 1'-0"
0 2' 4' 8'

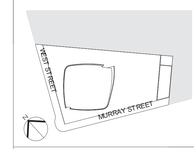


3 SECTION - ROOF LOUVER WALL
SCALE: 1/4" = 1'-0"
0 2' 4' 8'



1 SECTION - TYPICAL ROOF WALL
SCALE: 1/4" = 1'-0"
0 2' 4' 8'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

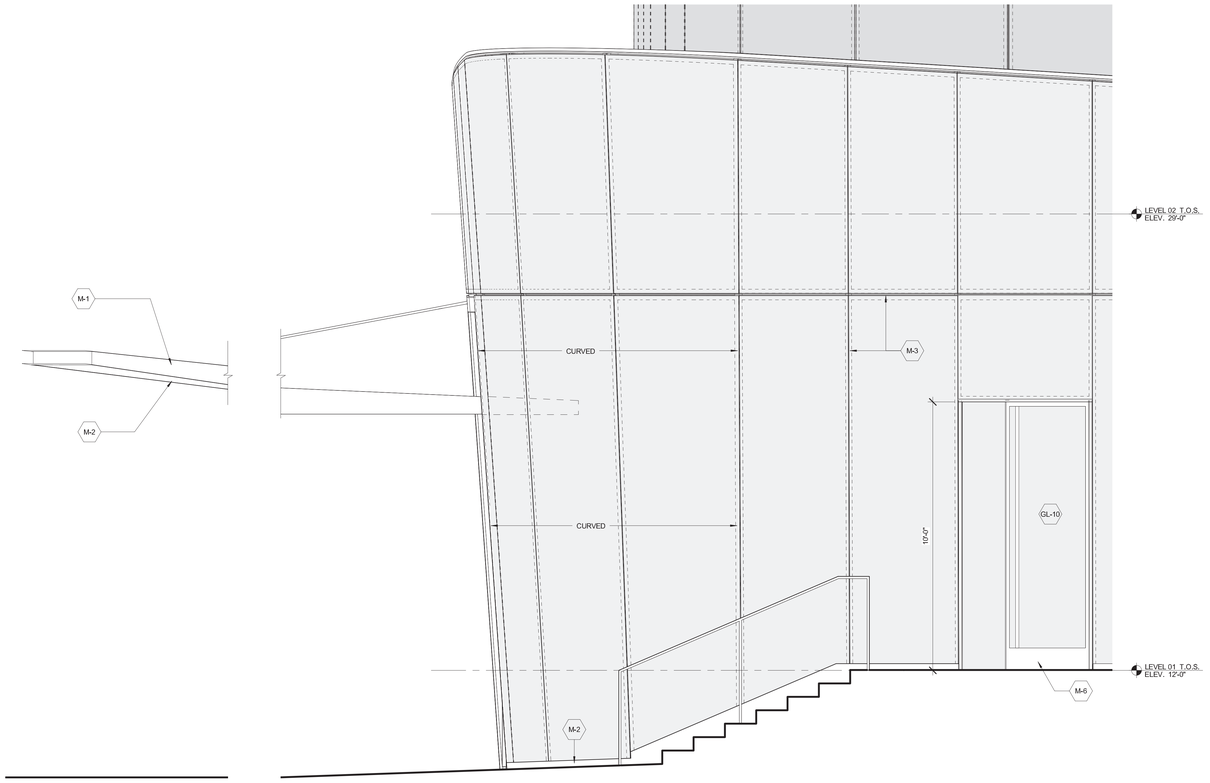
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
WALLTYPE 1 & 3 TW
SW CROWN CORNER

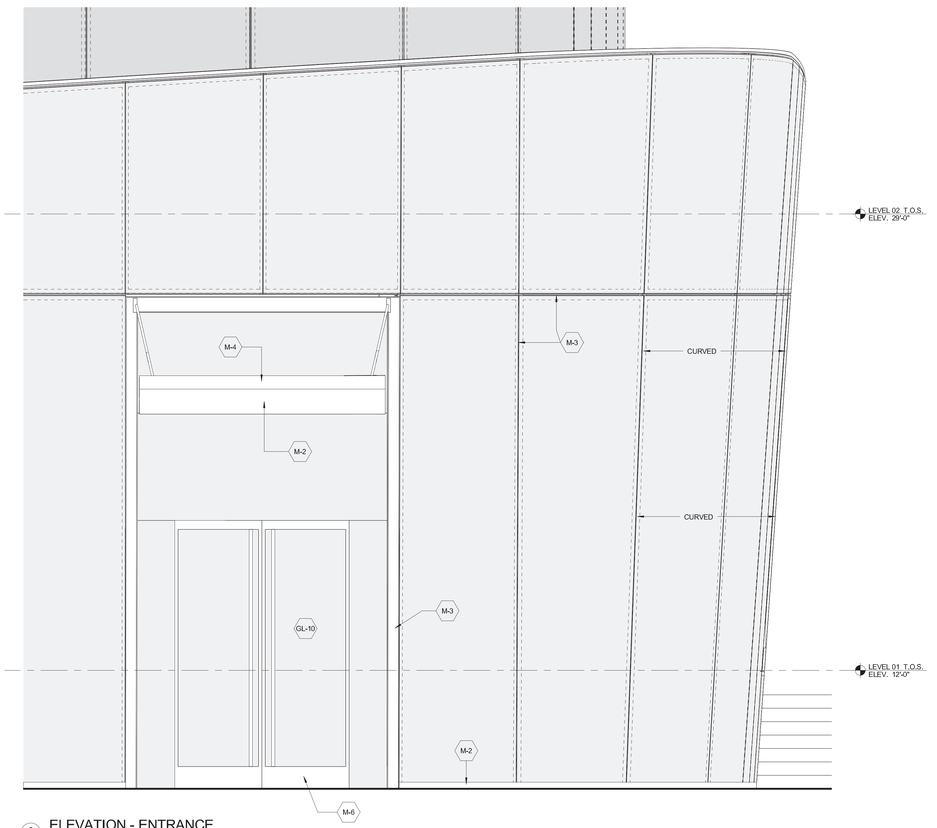
SEAL & SIGNATURE:
REGISTERED ARCHITECT
NICHOLAS STEPHEN HILL
026020
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/4" = 1'-0"
DWG NO. A-422.00

DEPT OF BLDGS 321323110 Job Number
ES76747705 Scan Code



3 ELEVATION - EGRESS & ENTRY
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



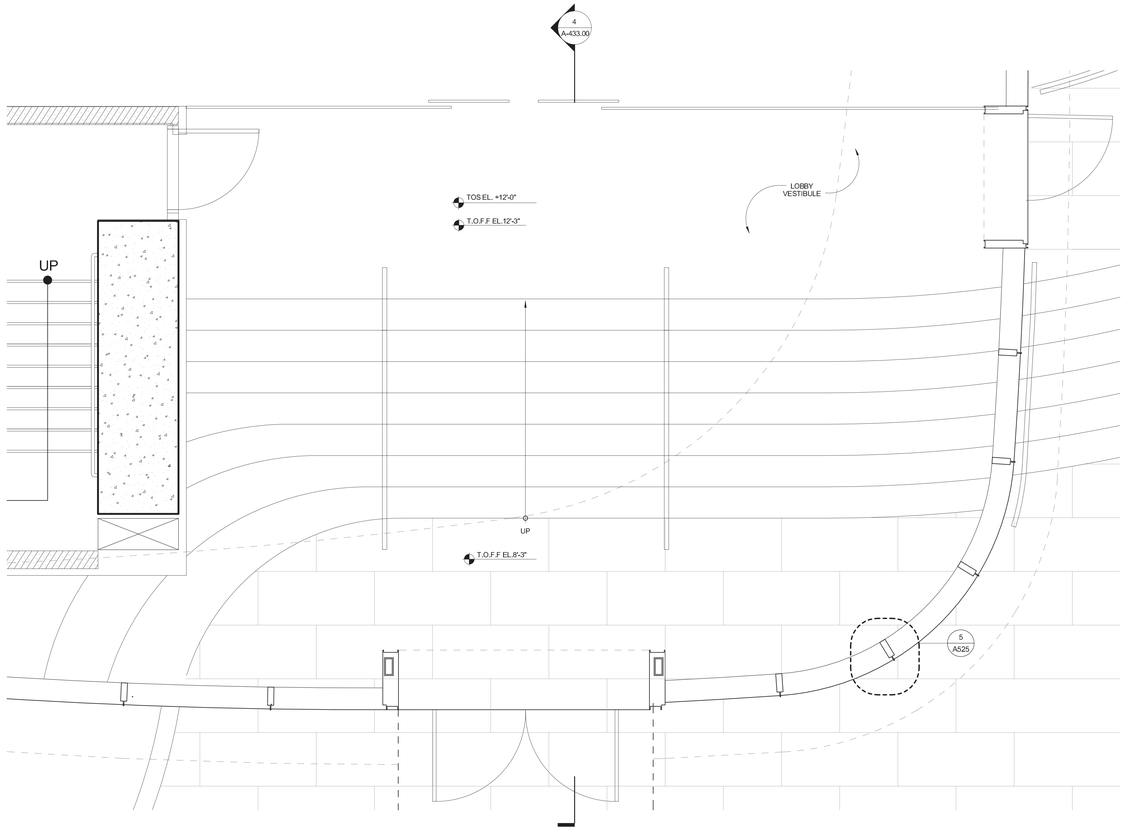
2 ELEVATION - ENTRANCE
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

MATERIAL KEY NOTES:	
ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL8	STOREFRONT FLYBY CONDITIONS
GL9	STOREFRONT TYP. GLAZING
GL10	STOREFRONT ENTRANCE DOOR GLAZING FOR TOWER AND PAVILLION
M2	CANOPY SOFFIT
M3	STOREFRONT NIBS
M4	TOWER STOREFRONT
M6	DOORS
ST1	STOREFRONT BASE

KEY:

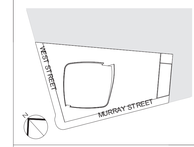
SPANDREL	EX-1 LIGHTING
VISION	LOUVER
RAILING	

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE



1 PLN_ENLG_01_LOBBY VESTIBULE
SCALE: 1/2" = 1'-0"

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

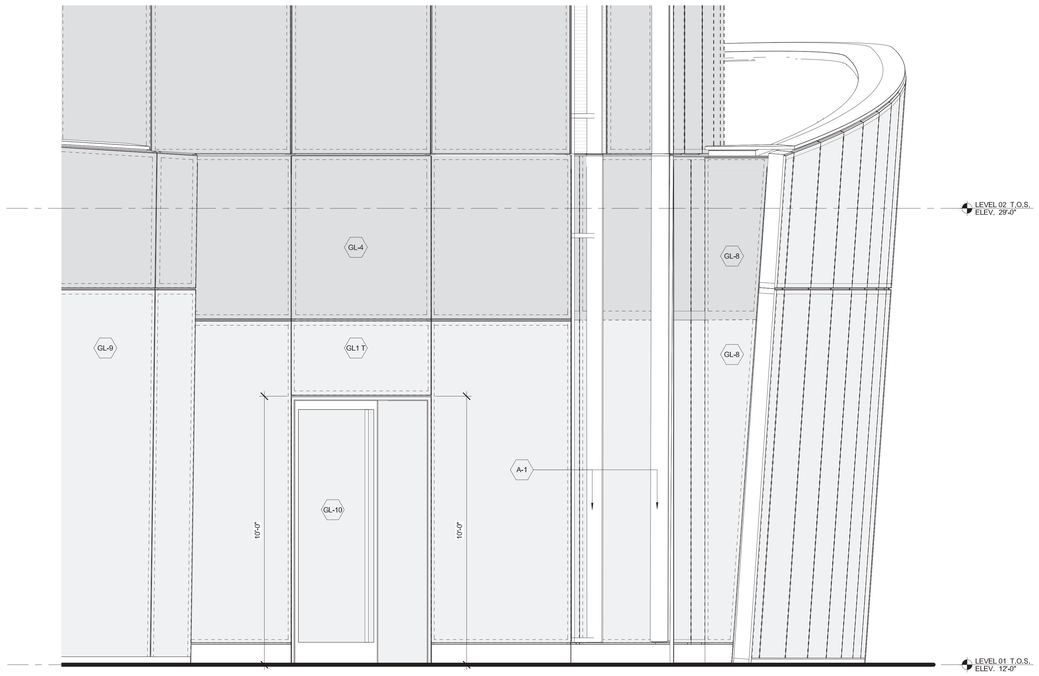
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
WALLTYPE 4 TW - LOBBY STOREFRONT @ VESTIBULE

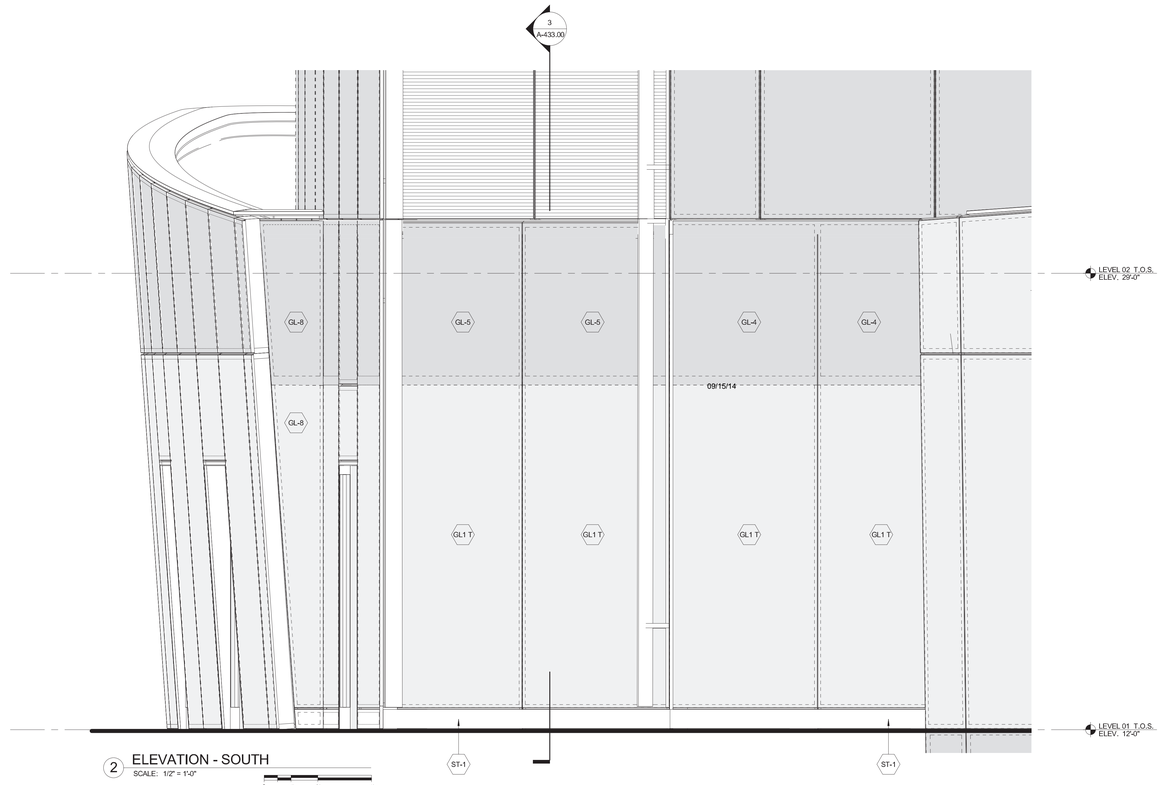
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
DWG NO: A-430.00

DEPT OF BLDGS 122132110 Job Number
E50150240025 Scan Code



4 ELEVATION - WEST
SCALE: 1/2" = 1'-0"
0 1' 2' 4'



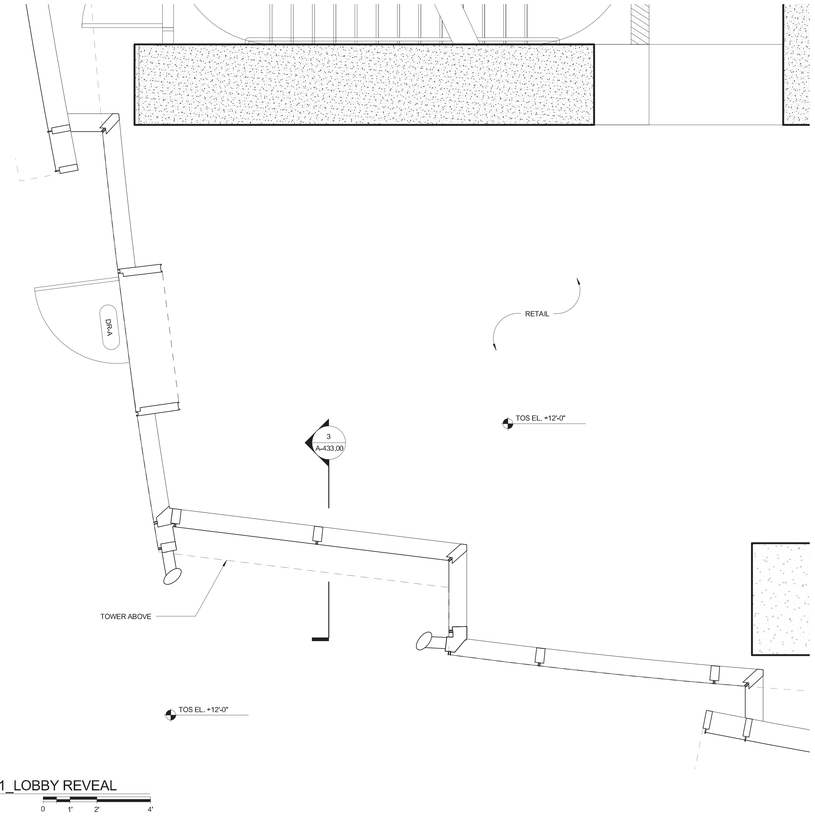
2 ELEVATION - SOUTH
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

MATERIAL KEY NOTES:	
ALL MATERIALS AS LISTED BELOW UNLESS NOTED OTHERWISE	
GL8	STOREFRONT FLYBY CONDITIONS
GL9	STOREFRONT TYP. GLAZING
GL10	STOREFRONT ENTRANCE DOOR GLAZING FOR TOWER AND PAVILLION
M2	CANOPY SOFFIT
M3	STOREFRONT NIBS
M4	TOWER STOREFRONT
M6	DOORS
ST1	STOREFRONT BASE
GL1 (T)	VISION GLASS BELOW 18" A.F.F.
GL4	SPANDREL PANELS
GL5	SPANDREL PANELS @ REVEAL

KEY:

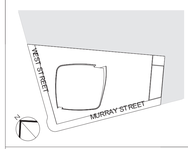
SPANDREL	EX-1 LIGHTING
VISION	LOUVER
RAILING	

REFER TO A-016 FOR EXTERIOR WALL & ROOF ASSEMBLY AND THERMAL PERFORMANCE



1 PLN_ENLG_01_LOBBY REVEAL
SCALE: 1/2" = 1'-0"
0 1' 2' 4'

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

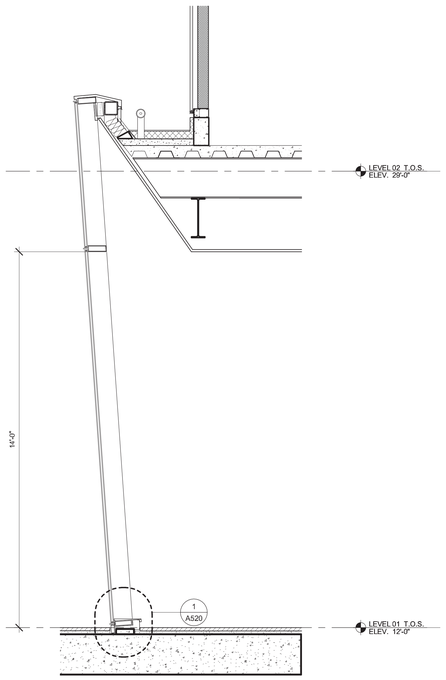
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
WALLTYPE 4 TW - LOBBY STOREFRONT @ REVEAL

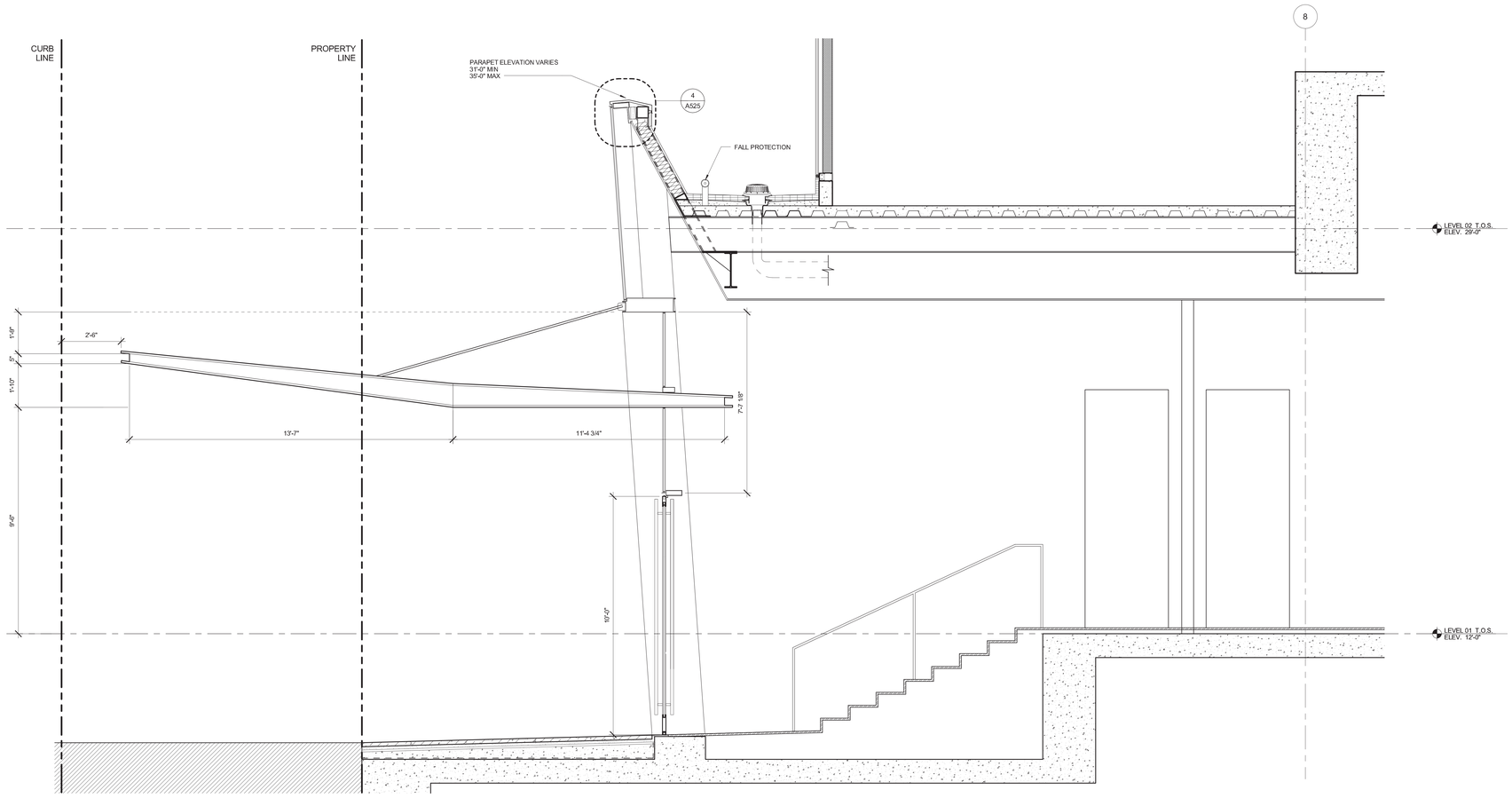
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. HILL
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-432.00
DWG NO.

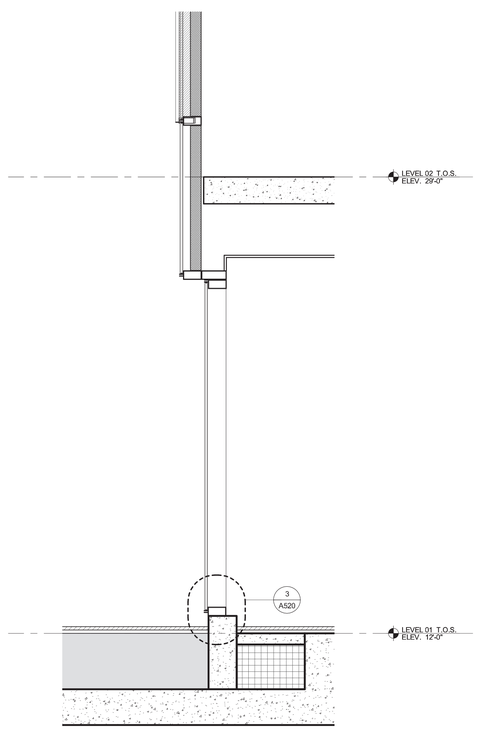
DEPT OF BLDGS 122132110 Job Number
E532154536 Scan Code



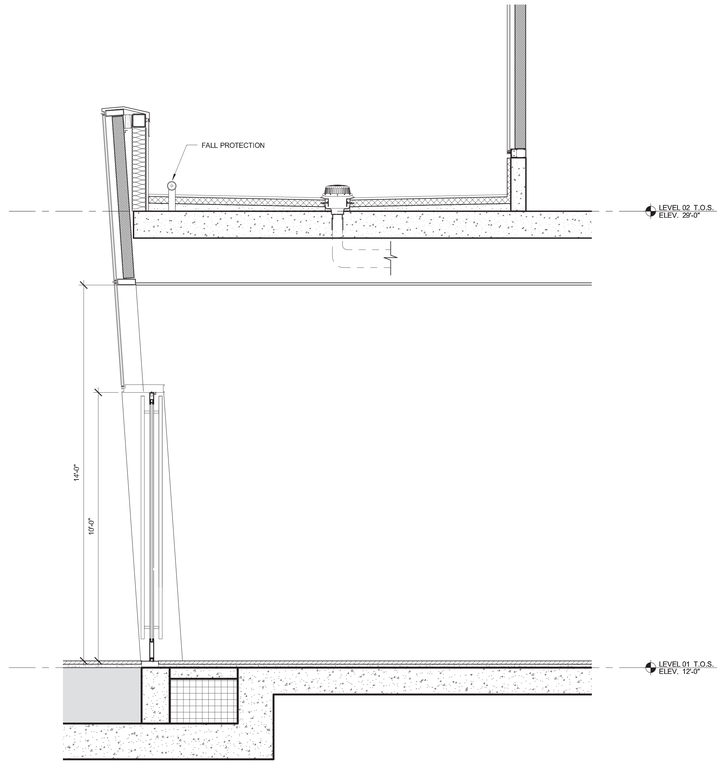
5 STOREFRONT SECTION TYPICAL
SCALE: 1/2" = 1'-0"



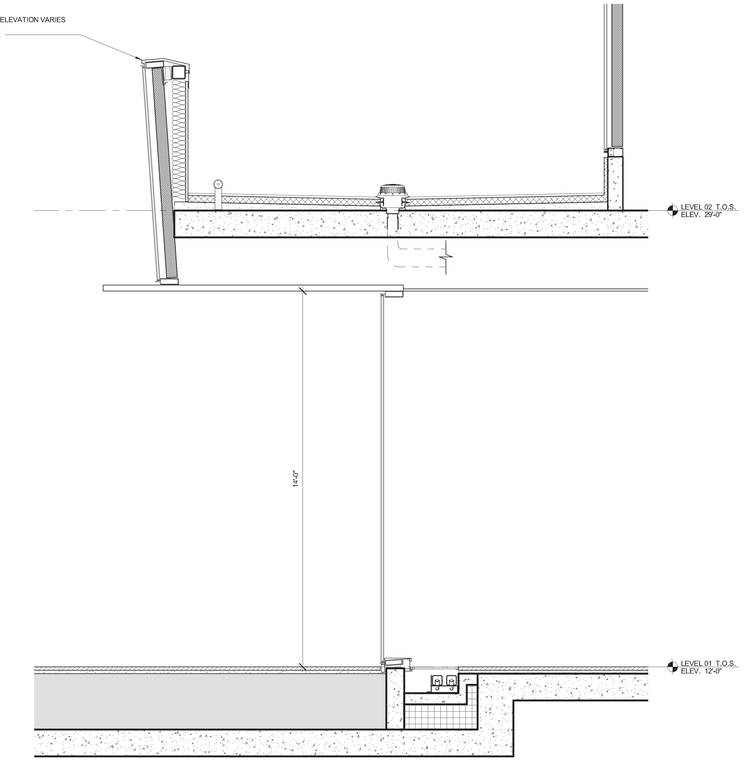
4 STOREFRONT SECTION - MAIN ENTRY
SCALE: 1/2" = 1'-0"



3 STOREFRONT SECTION - SOUTHWEST CORNER
SCALE: 1/2" = 1'-0"

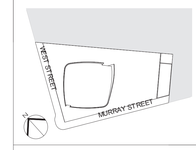


2 STOREFRONT SECTION - NORTHWEST AMENITY 2
SCALE: 1/2" = 1'-0"



1 STOREFRONT SECTION - NORTHWEST AMENITY
SCALE: 1/2" = 1'-0"

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/14/15	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-0790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

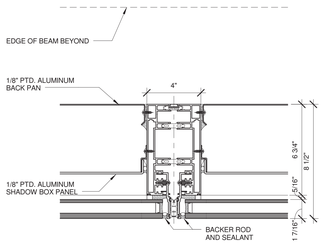
DWG TITLE:
WALLTYPE 4 TW-STOREFRONT SECTIONS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. KLEIN
No. 026004
STATE OF NEW YORK

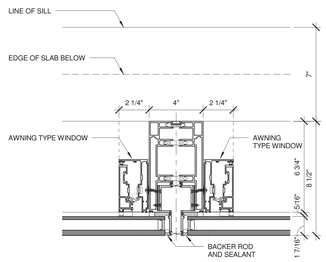
DATE: 09/15/14
PROJECT #: 13A26
SCALE: NTS

A-433.00
DWG NO.

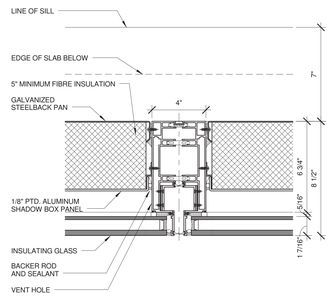
DEPT OF BLDGS 122132110 Job Number
E520043025S Scan Code



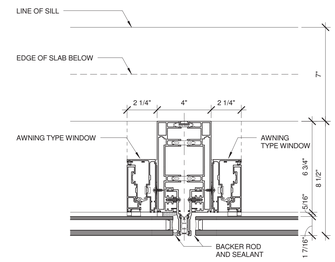
20 MULLION @ TYPICAL CROWN
SCALE: 3" = 1'-0"



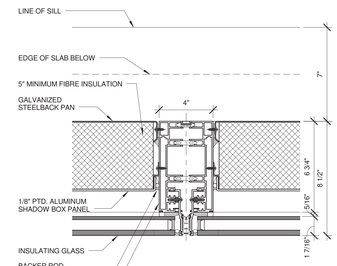
16 BMU TRACK @ OPERABLE PANEL
SCALE: 3" = 1'-0"



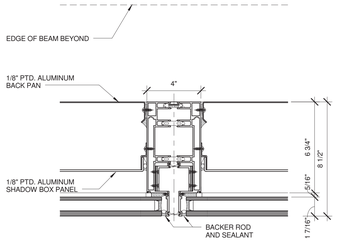
12 BMU TRACK @ SHADOWBOX
SCALE: 3" = 1'-0"



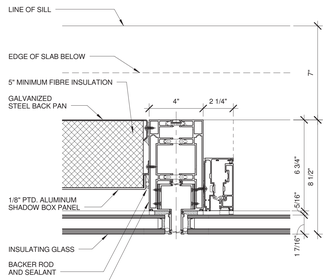
8 MULLION @ OPERABLE WINDOW
SCALE: 3" = 1'-0"



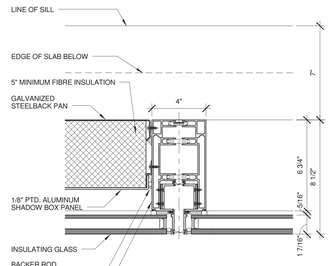
4 MULLION @ SHADOWBOX
SCALE: 3" = 1'-0"



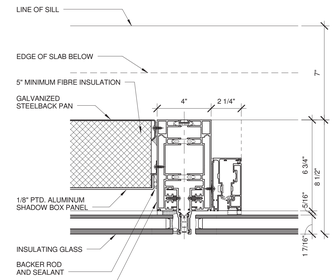
19 BMU TRACK @ CROWN
SCALE: 3" = 1'-0"



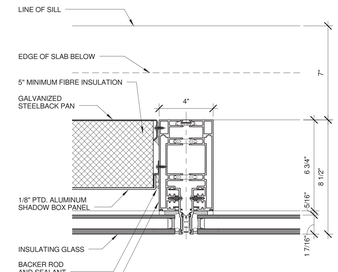
15 BMU TRACK @ OPERABLE PANEL
SCALE: 3" = 1'-0"



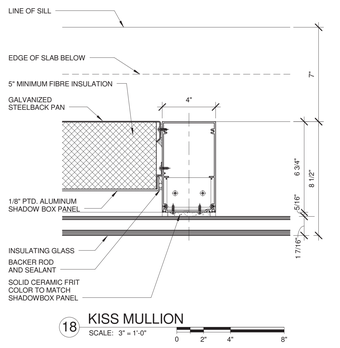
11 BMU TRACK @ SHADOWBOX
SCALE: 3" = 1'-0"



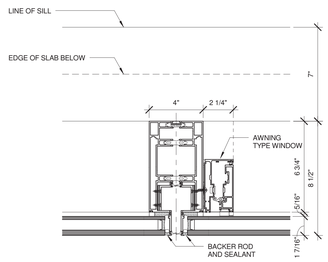
7 MULLION @ OPERABLE WINDOW
SCALE: 3" = 1'-0"



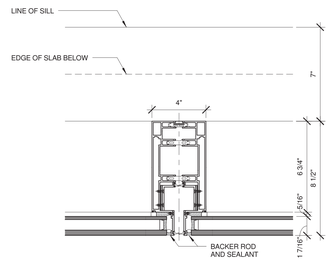
3 MULLION @ SHADOWBOX
SCALE: 3" = 1'-0"



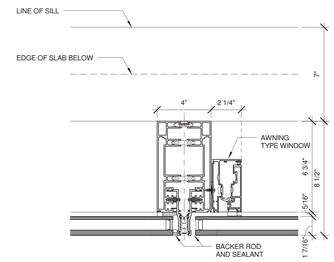
18 KISS MULLION
SCALE: 3" = 1'-0"



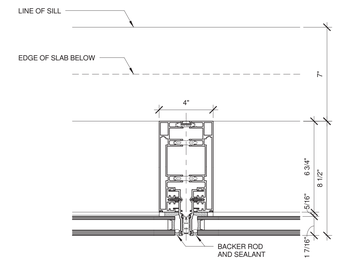
14 BMU TRACK @ OPERABLE PANEL
SCALE: 3" = 1'-0"



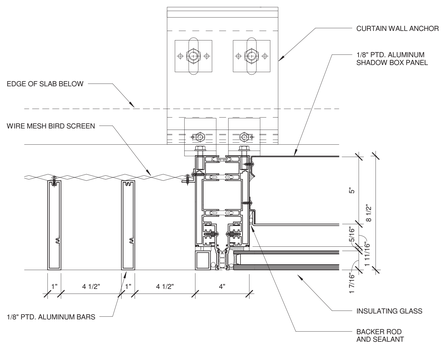
10 BMU TRACK @ TYPICAL
SCALE: 3" = 1'-0"



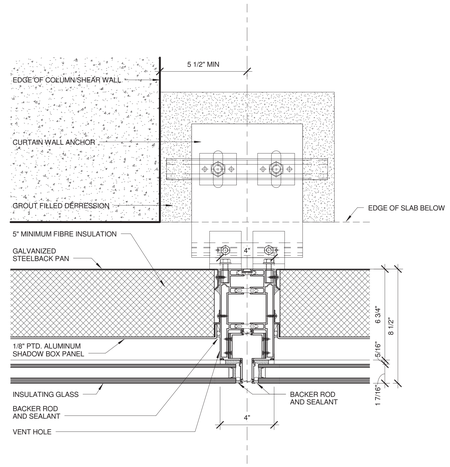
6 MULLION @ OPERABLE WINDOW
SCALE: 3" = 1'-0"



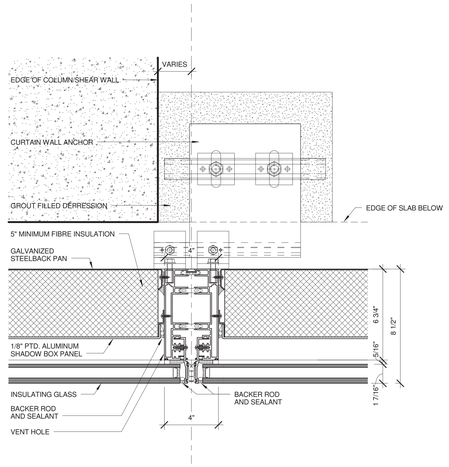
2 MULLION @ TYPICAL
SCALE: 3" = 1'-0"



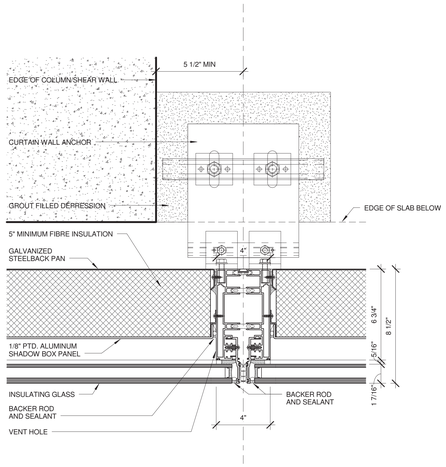
17 ANCHORAGE
SCALE: 3" = 1'-0"



9 BMU TRACK @ ANCHORAGE
SCALE: 3" = 1'-0"

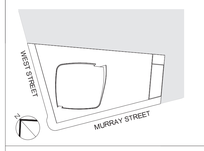


5 OFFSET MULLION @ ANCHORAGE
SCALE: 3" = 1'-0"



1 MULLION @ ANCHORAGE
SCALE: 3" = 1'-0"

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

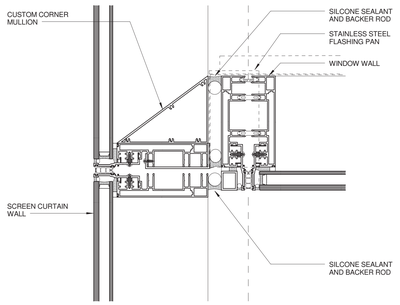
DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
PLAN DETAILS

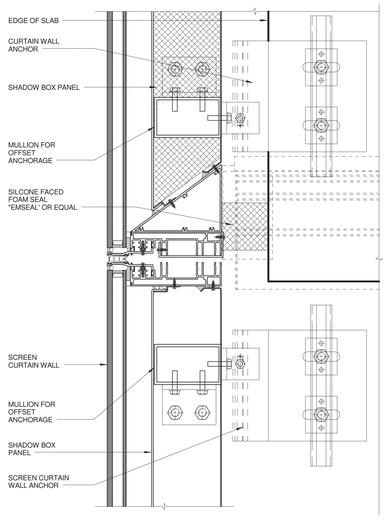
SEAL & SIGNATURE:
REGISTERED ARCHITECT
DAVID STEPHEN HILL
No. 025004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: NTS
A-500.00
DWG NO.

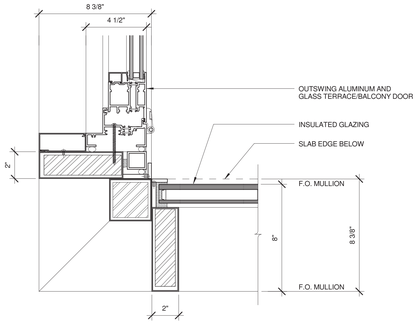
DEPT OF BLDGS 121323.00 Job Number
B2000512297.00 Scan Code



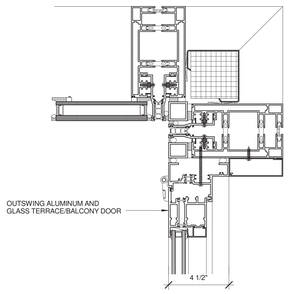
13 TYP. MULLION AT BALCONY CW INTERFACE
SCALE: 3" = 1'-0"



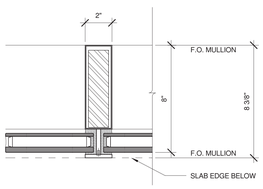
9 TYP. MULLION AT BALCONY ANCHOR
SCALE: 3" = 1'-0"



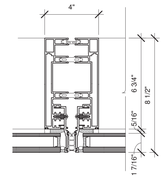
12 CORNER DETAIL AT BALCONY WALL - ALT 1
SCALE: 3" = 1'-0"



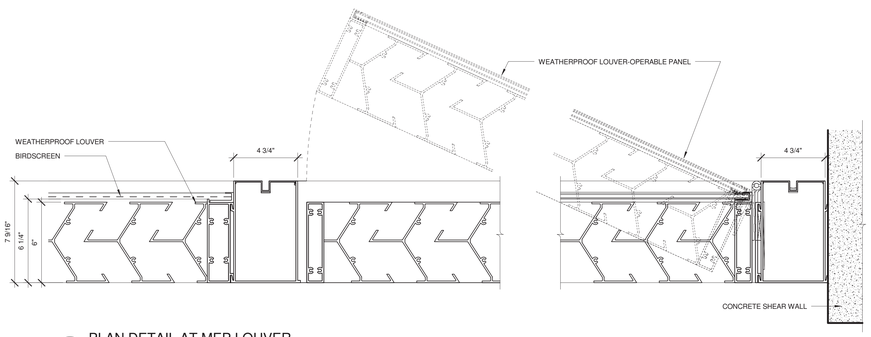
8 CORNER DETAIL AT BALCONY WALL
SCALE: 3" = 1'-0"



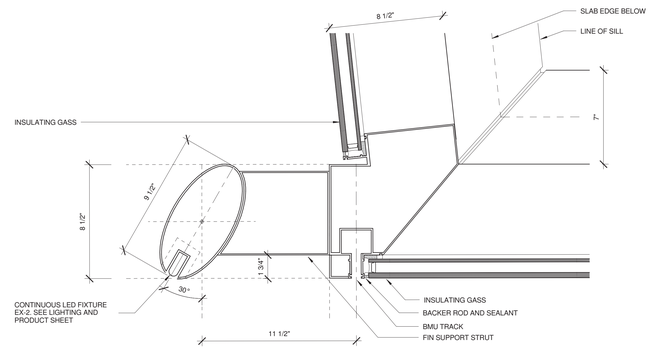
11 PLAN DETAIL AT BALCONY WALL - ALT 1
SCALE: 3" = 1'-0"



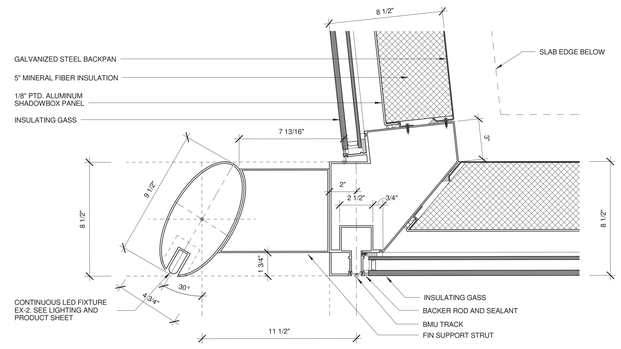
7 TYP. MULLION AT BALCONY WALL
SCALE: 3" = 1'-0"



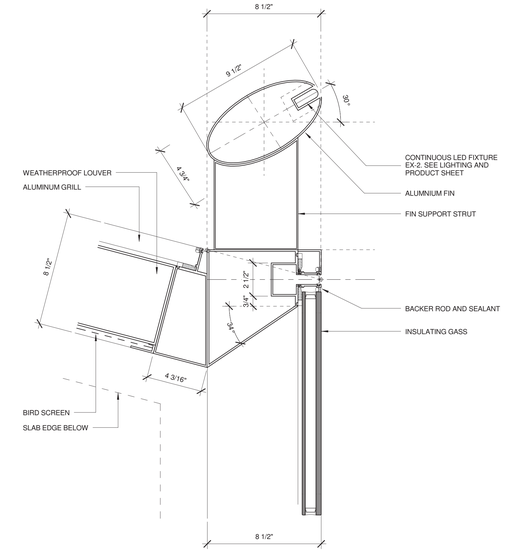
10 PLAN DETAIL AT MEP LOUVER
SCALE: 3" = 1'-0"



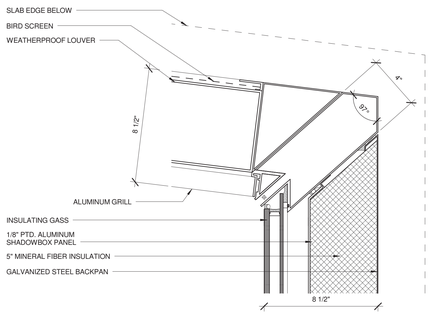
6 PLAN DETAIL AT REVEAL CORNER
SCALE: 3" = 1'-0"



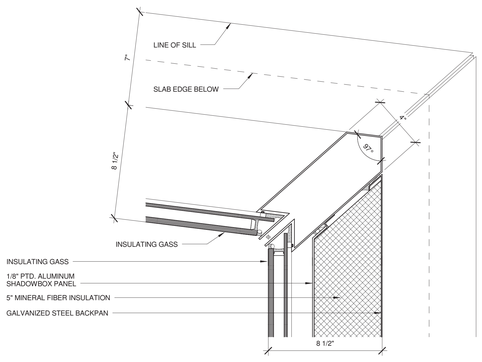
5 PLAN DETAIL AT MEP REVEAL CORNER
SCALE: 3" = 1'-0"



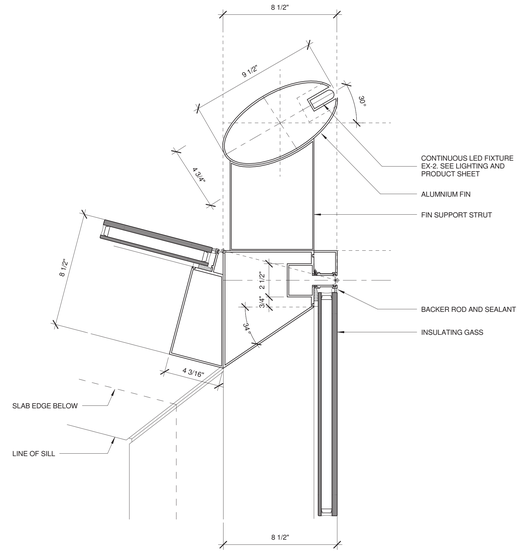
2 PLAN DETAIL AT MEP REVEAL CORNER
SCALE: 3" = 1'-0"



4 PLAN DETAIL AT MEP REVEAL CORNER
SCALE: 3" = 1'-0"

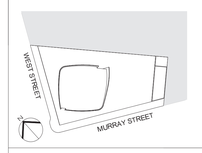


3 PLAN DETAIL AT REVEAL CORNER
SCALE: 3" = 1'-0"



1 PLAN DETAIL AT REVEAL CORNER
SCALE: 3" = 1'-0"

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

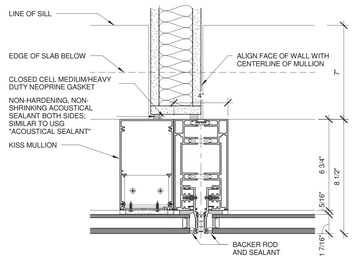
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
PLAN DETAILS

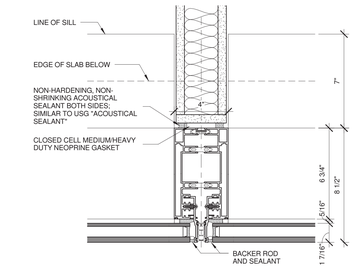
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. YEE
No. 026004
STATE OF NEW YORK

DATE:	9/15/14
PROJECT #:	13A26
SCALE:	NTS
DWG NO.	A-501.00

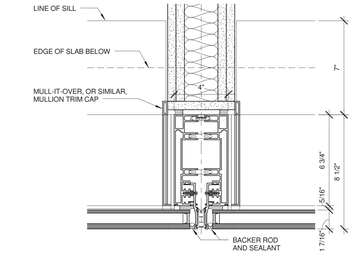
DEPT OF BLDGS 122132110 Job Number
E302478540EB Scan Code



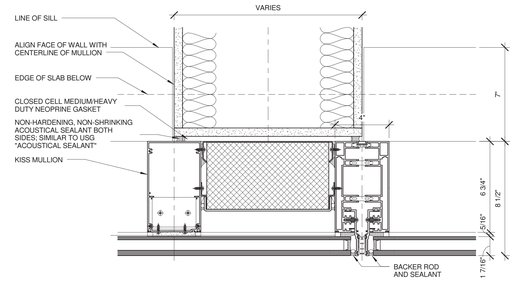
4 TYPICAL MULLION WITH KISS MULLION @ INTERIOR PARTITION
SCALE: 3" = 1'-0"
0 2" 4" 8"



3 TYPICAL MULLION @ INTERIOR PARTITION
SCALE: 3" = 1'-0"
0 2" 4" 8"

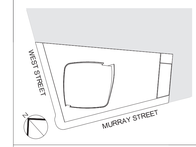


2 TYPICAL MULLION @ DEMISING PARTITION
SCALE: 3" = 1'-0"
0 2" 4" 8"



1 TYPICAL MULLION WITH KISS MULLION @ INTERIOR PARTITION
SCALE: 3" = 1'-0"
0 2" 4" 8"

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

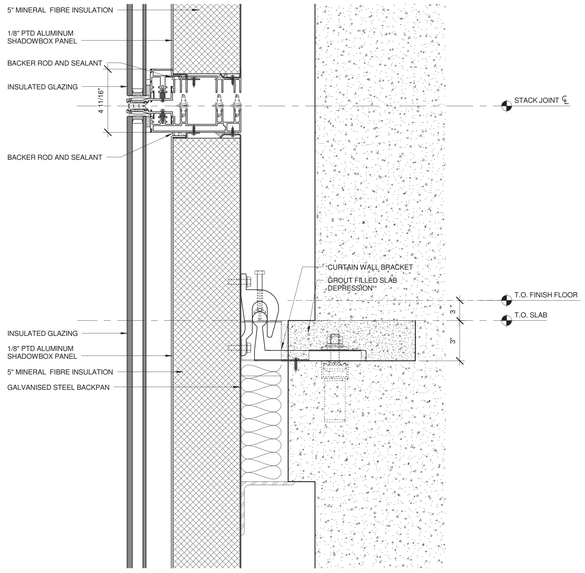
DWG TITLE:
PLAN DETAILS

SEAL & SIGNATURE
REGISTERED ARCHITECT
STEPHEN HILL
OF NEW YORK

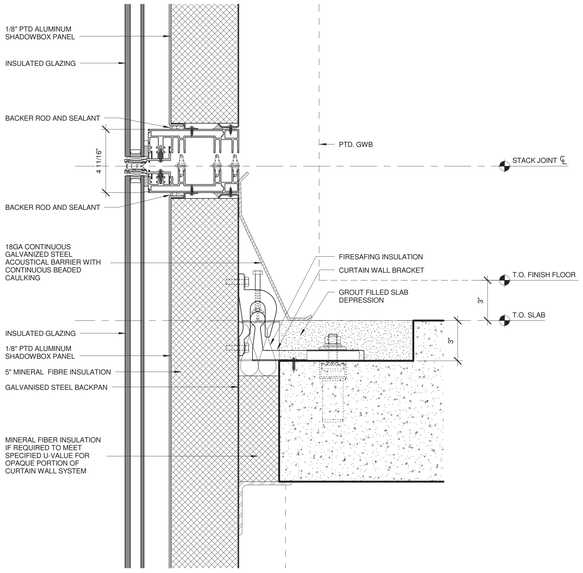
DATE: 9/15/14
PROJECT #: 13A26
SCALE: 3" = 1'-0"
A-502.00
DWG NO.

DEPT OF BLDGS 121323.00 Job Number

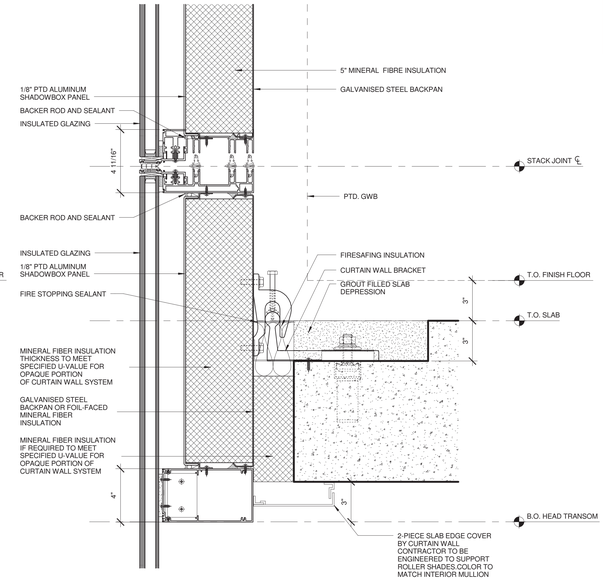
E5505574237 Scan Code



11 SECTION @ SLAB EDGE
SCALE: 3" = 1'-0" 0 2" 4" 8"

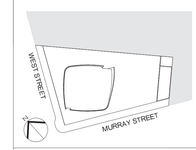


6 SECTION @ SLAB EDGE
SCALE: 3" = 1'-0" 0 2" 4" 8"



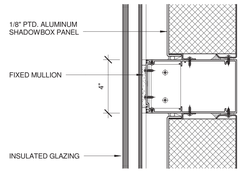
3 SECTION @ SLAB EDGE
SCALE: 3" = 1'-0" 0 2" 4" 8"

KEY PLAN



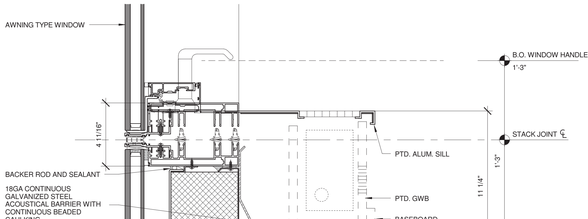
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

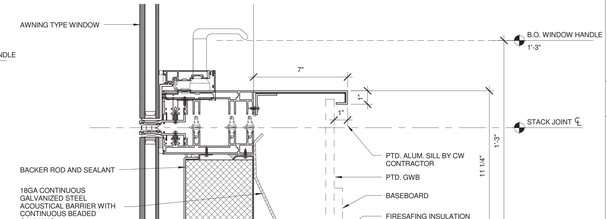


10 MULLION - KISS
SCALE: 3" = 1'-0" 0 2" 4" 8"

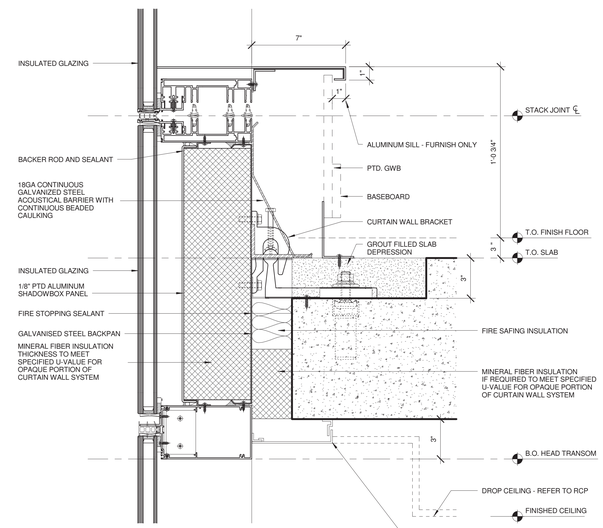
9 MULLION - FIXED SHADOWBOX
SCALE: 3" = 1'-0" 0 2" 4" 8"



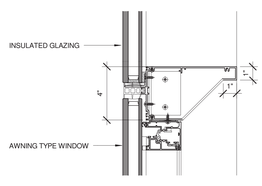
5 SECTION @ SLAB EDGE
SCALE: 3" = 1'-0" 0 2" 4" 8"



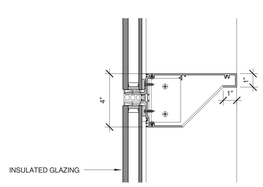
2 SECTION @ SLAB EDGE
SCALE: 3" = 1'-0" 0 2" 4" 8"



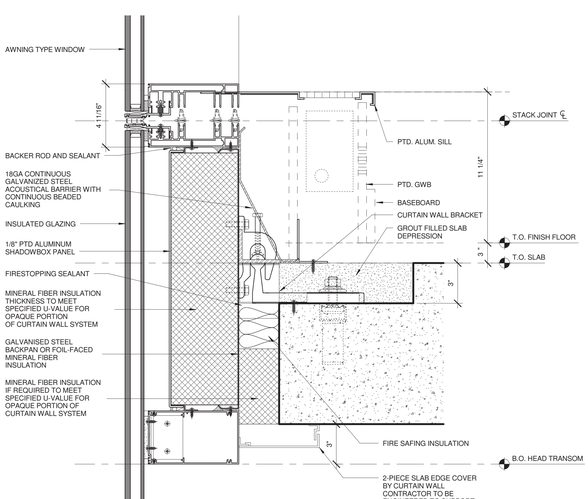
12 SECTION @ SLAB EDGE - PENTHOUSE
SCALE: 3" = 1'-0" 0 2" 4" 8"



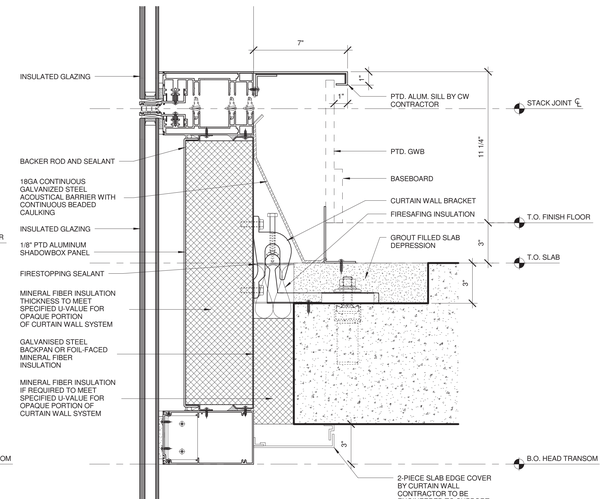
8 MULLION - OPERABLE
SCALE: 3" = 1'-0" 0 2" 4" 8"



7 MULLION - FIXED
SCALE: 3" = 1'-0" 0 2" 4" 8"



4 SECTION @ SLAB EDGE
SCALE: 3" = 1'-0" 0 2" 4" 8"



1 SECTION @ SLAB EDGE
SCALE: 3" = 1'-0" 0 2" 4" 8"

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

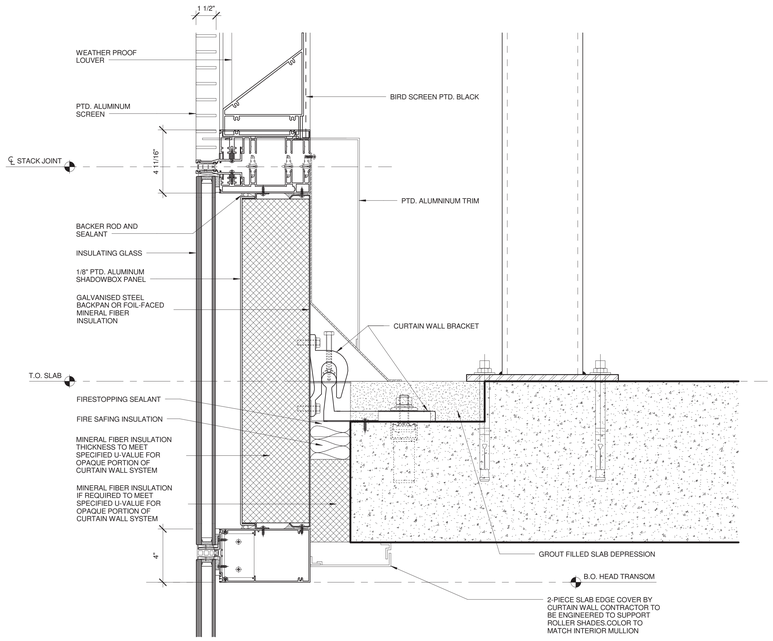
DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SECTION DETAILS

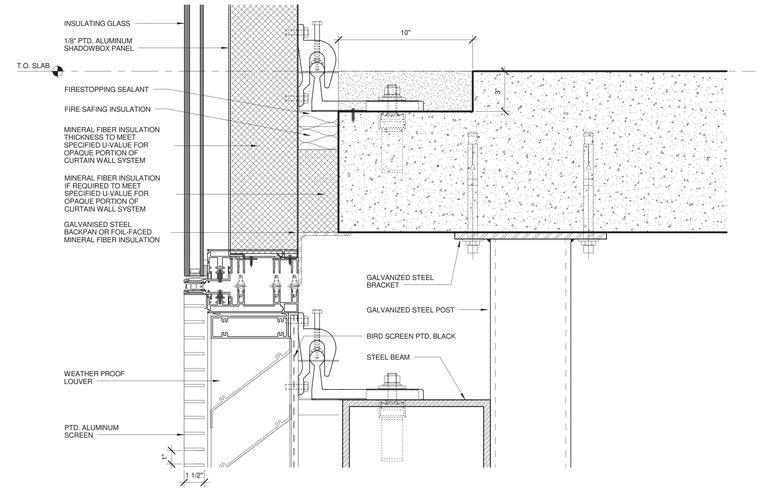
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. CORONA
STATE OF NEW YORK

DATE: 9/15/14
PROJECT #: 13A26
SCALE: 3" = 1'-0"
A-520.00
DWG NO.

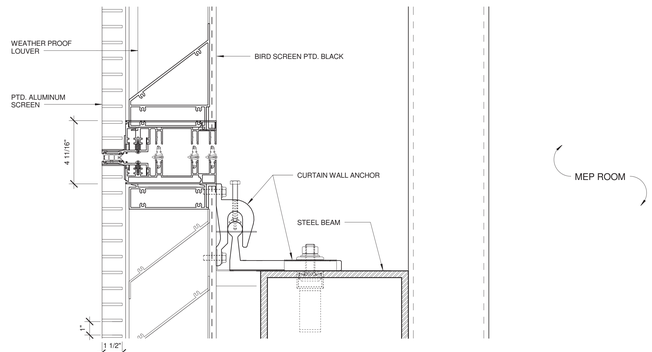
DEPT OF BLDGS 122132110 Job Number
B2900264055 Scan Code



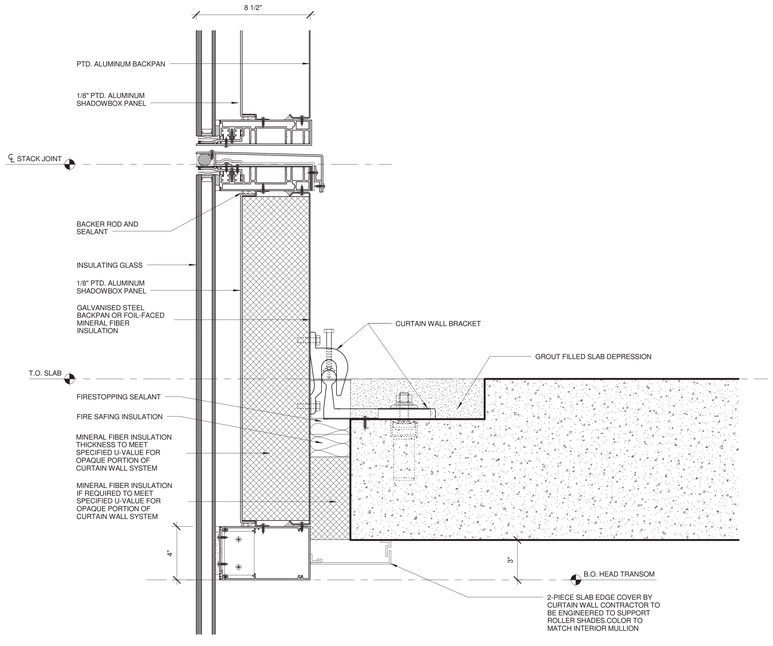
11 SECTION DETAIL @ MEP SLAB EDGE
SCALE: 3" = 1'-0"
0 2" 4" 8"



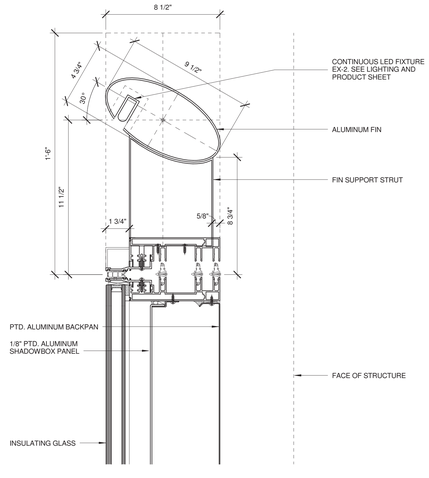
3 SECTION DETAIL @ REVEAL MEP SLAB EDGE
SCALE: 3" = 1'-0"
0 2" 4" 8"



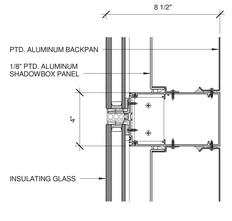
2 SECTION DETAIL @ REVEAL MEP STACK JOINT
SCALE: 3" = 1'-0"
0 2" 4" 8"



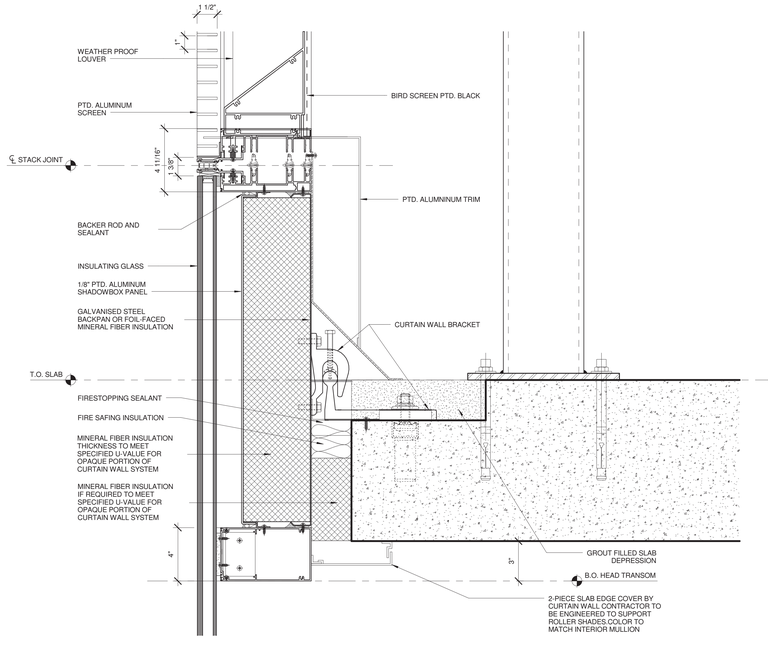
8 SECTION DETAIL @ CROWN CURTAIN WALL INTERFACE
SCALE: 3" = 1'-0"
0 2" 4" 8"



10 SECTION DETAIL @ PARAPET EDGE
SCALE: 3" = 1'-0"
0 2" 4" 8"

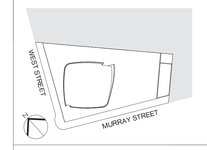


9 SECTION DETAIL @ CROWN TRANSOM
SCALE: 3" = 1'-0"
0 2" 4" 8"



1 SECTION DETAIL @ REVEAL MEP SLAB EDGE
SCALE: 3" = 1'-0"
0 2" 4" 8"

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

Number: Date: Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473-0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

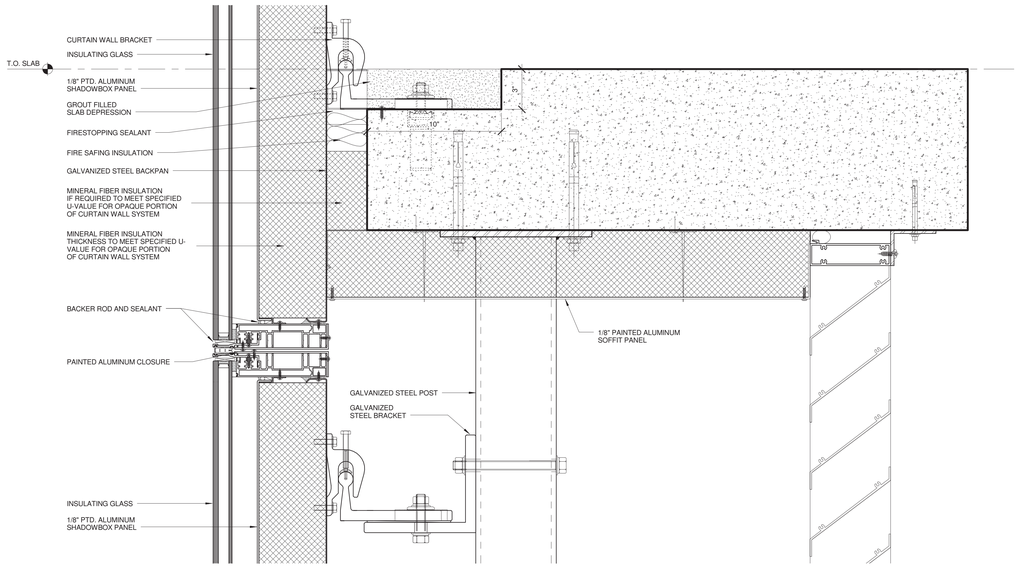
DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SECTION DETIALS

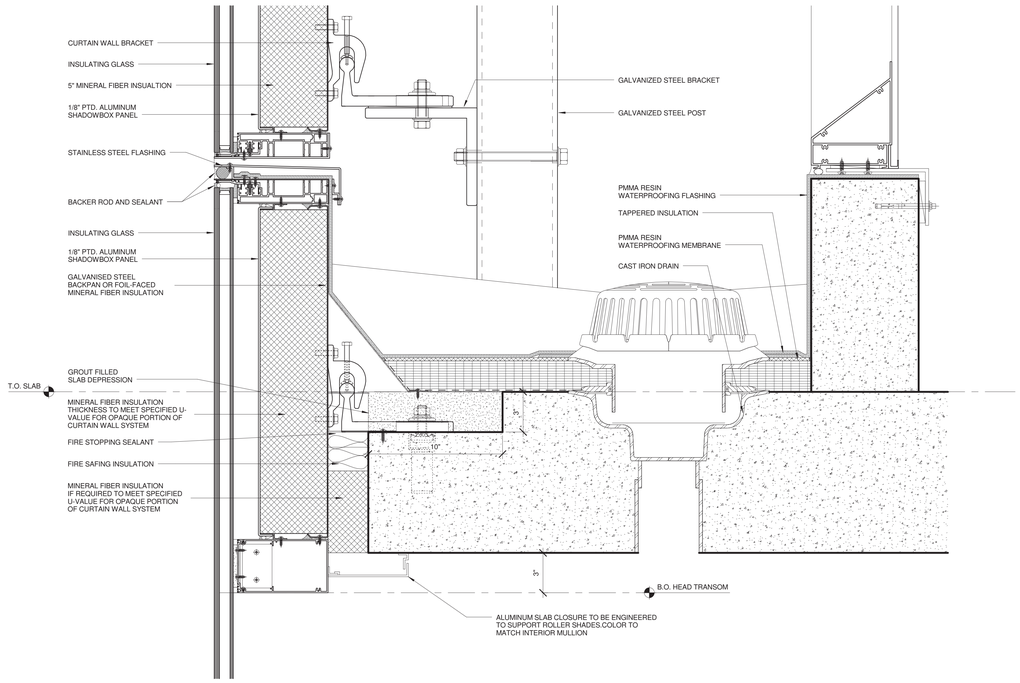
SEAL & SIGNATURE:
REGISTERED ARCHITECT STEPHEN T. CORONA STATE OF NEW YORK

DATE: 9/15/14
PROJECT #: 13A26
SCALE: 3" = 1'-0"
DWG NO. A-521.00

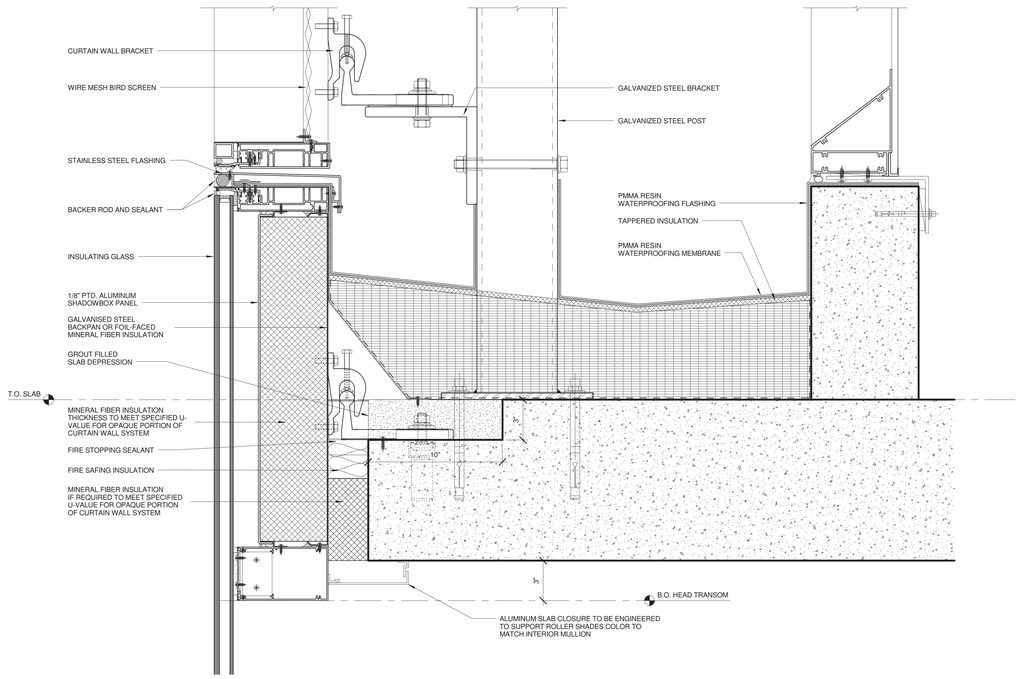
DEPT OF BLDGS 122132110 Job Number
E360616333SI Scan Code



4 SECTION @ SLAB EDGE
SCALE: 3" = 1'-0"
0 2" 4" 8"

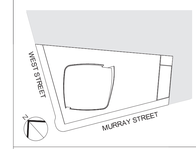


2 SECTION @ SLAB EDGE
SCALE: 3" = 1'-0"
0 2" 4" 8"



1 SECTION @ SLAB EDGE
SCALE: 3" = 1'-0"
0 2" 4" 8"

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-0790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

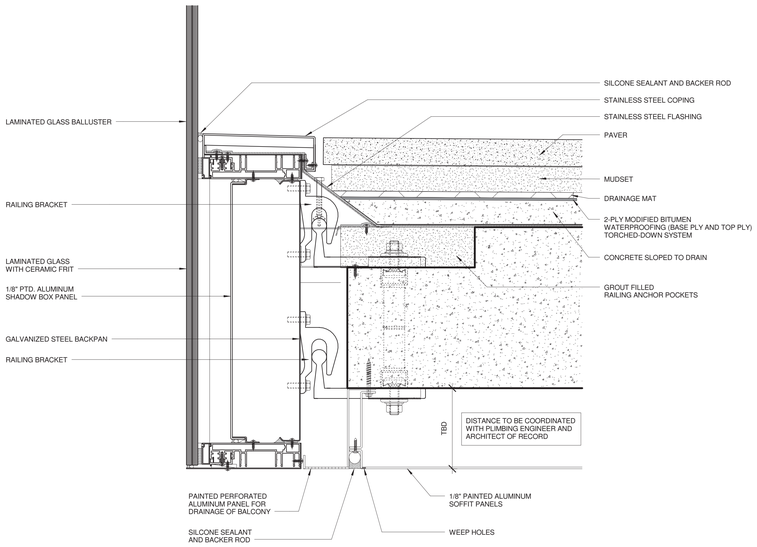
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SECTION DETAILS

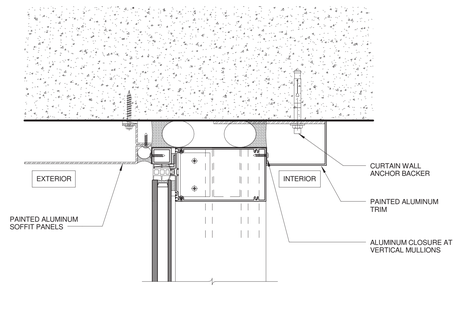
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. K.
No. 025054
STATE OF NEW YORK

DATE:	9/15/14
PROJECT #:	13A26
SCALE:	3" = 1'-0"
DWG NO.	A-522.00

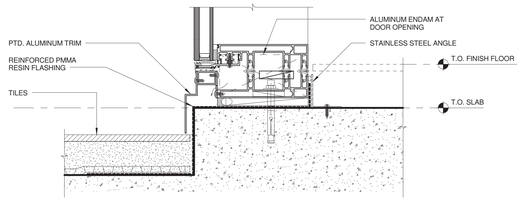
DEPT OF BLDGS 122132110 Job Number
E56400024255 Scan Code



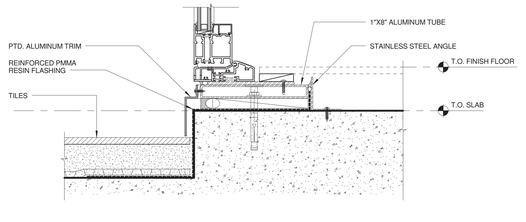
11 SECTION DETAIL AT BALCONY RAILING
SCALE: 3" = 1'-0"



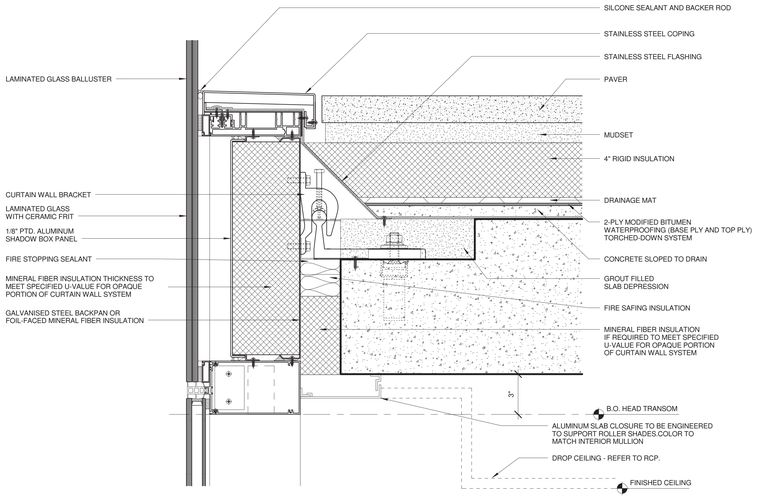
7 SECTION DETAIL AT WINDOW WALL HEAD
SCALE: 3" = 1'-0"



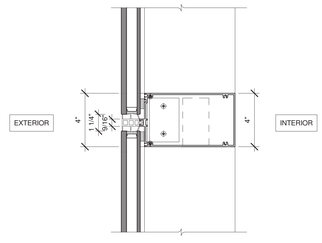
4 CURTAIN WALL SILL DETAIL (OPTION 2: TILES ON MUDSET)
SCALE: 3" = 1'-0"



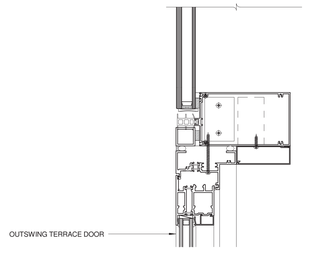
3 DOOR SILL DETAIL AT BALCONY (OPTION 2: TILES ON MUDSET)
SCALE: 3" = 1'-0"



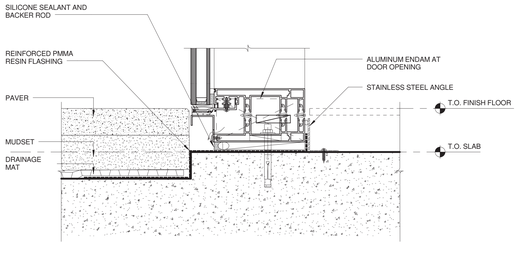
10 SECTION DETAIL AT TERRACE PARAPET
SCALE: 3" = 1'-0"



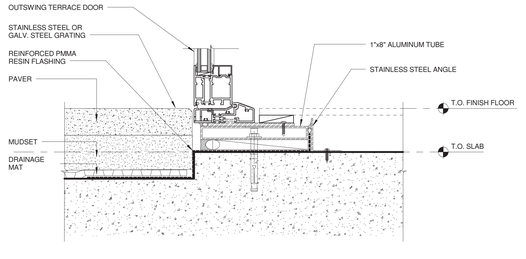
6 SECTION DETAIL AT WINDOW WALL TRANSOM
SCALE: 3" = 1'-0"



2 SECTION DETAIL AT BALCONY DOOR HEAD
SCALE: 3" = 1'-0"

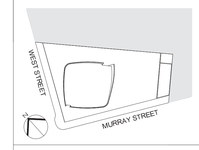


5 CURTAIN WALL SILL DETAIL (OPTION 1: PRECAST PAVERS)
SCALE: 3" = 1'-0"



1 DOOR SILL DETAIL AT BALCONY (OPTION 1: PRECAST PAVERS)
SCALE: 3" = 1'-0"

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

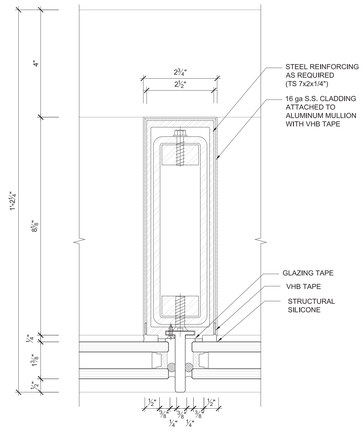
DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
SECTION DETAILS

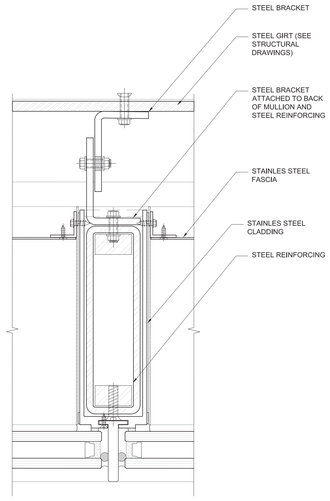
SEAL & SIGNATURE:
REGISTERED ARCHITECT
JO STEPHEN HILL
CITY OF NEW YORK

DATE:	9/15/14
PROJECT #:	13A26
SCALE:	3" = 1'-0"
DWG NO.	A-524.00

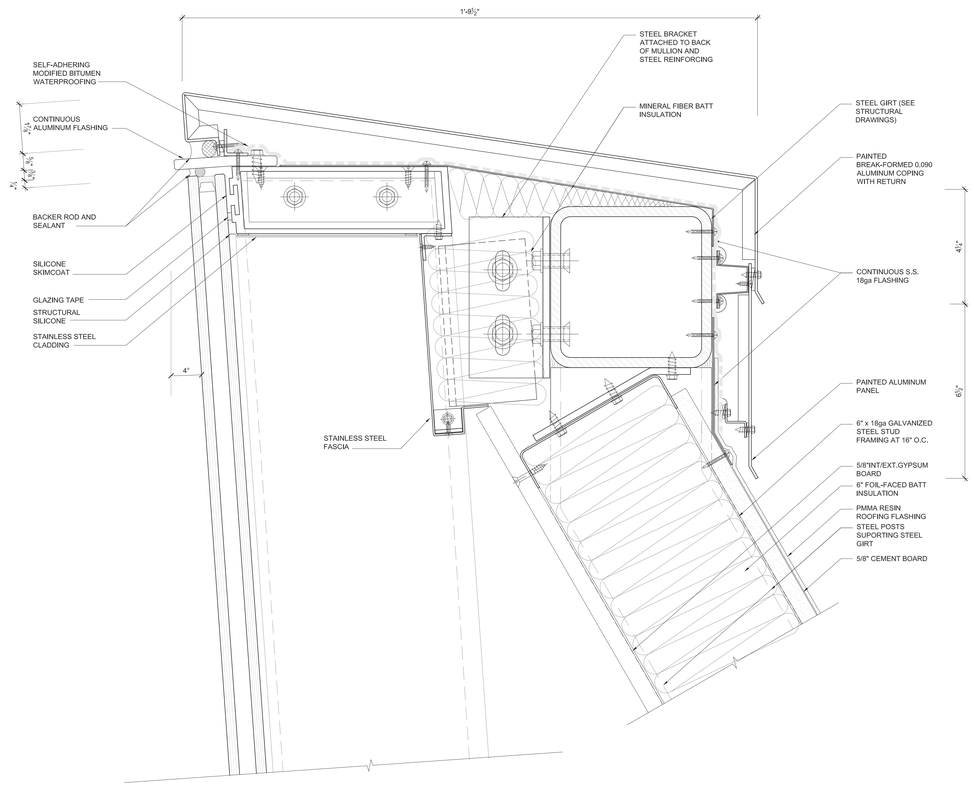
DEPT OF BLDGS 321323.00 Job Number
E3813591917 Scan Code



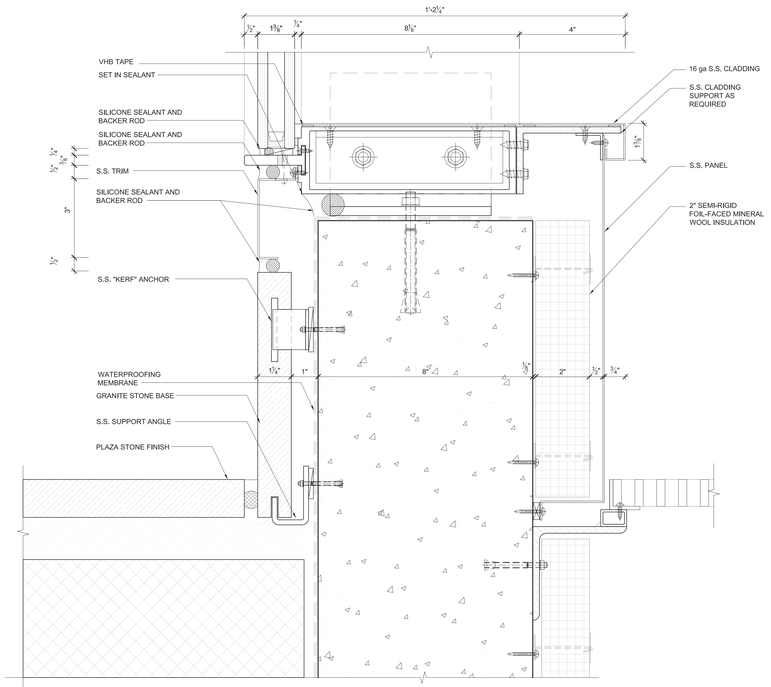
5 TYPICAL VERTICAL MULLION DETAIL
SCALE: 6" = 1'-0"



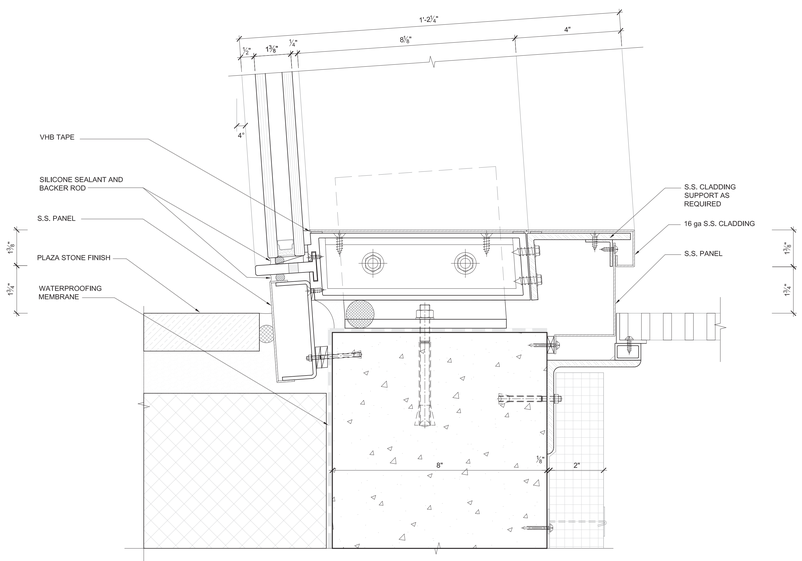
4 VERTICAL MULLION AT HEAD OF STOREFRONT
SCALE: 6" = 1'-0"



2 SECTION THROUGH STOREFRONT COPING
SCALE: 6" = 1'-0"

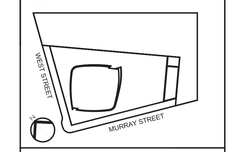


3 SILL DETAIL AT BUILDING CORNERS
SCALE: 6" = 1'-0"



1 TYPICAL SILL DETAIL
SCALE: 6" = 1'-0"

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6106

MEP/FP ENGINEER:
ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB # 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

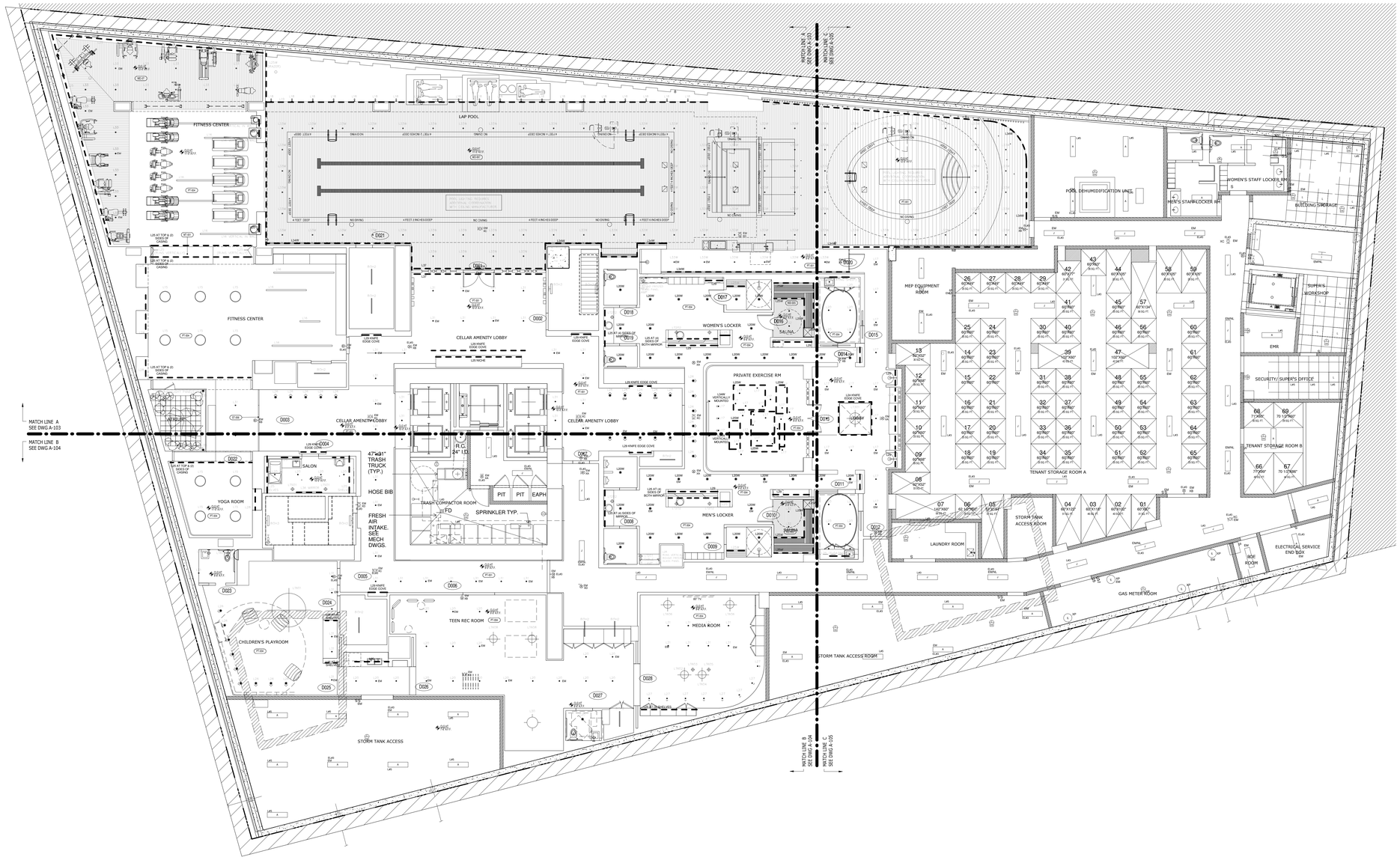
DWG TITLE:
STOREFRONT DETAILS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. GILL
025004
STATE OF NEW YORK

DATE: 9/15/14
PROJECT #: 13A26
SCALE: 6" = 1'-0"
A-525.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E00067045880 Scan Code

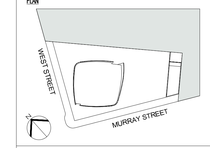
NOTE:
1. SEE DWG A-017 FOR FIN. SCHEDULE
2. SEE DWH A-018 FOR LIGHT FIXTURE SCHEDULE

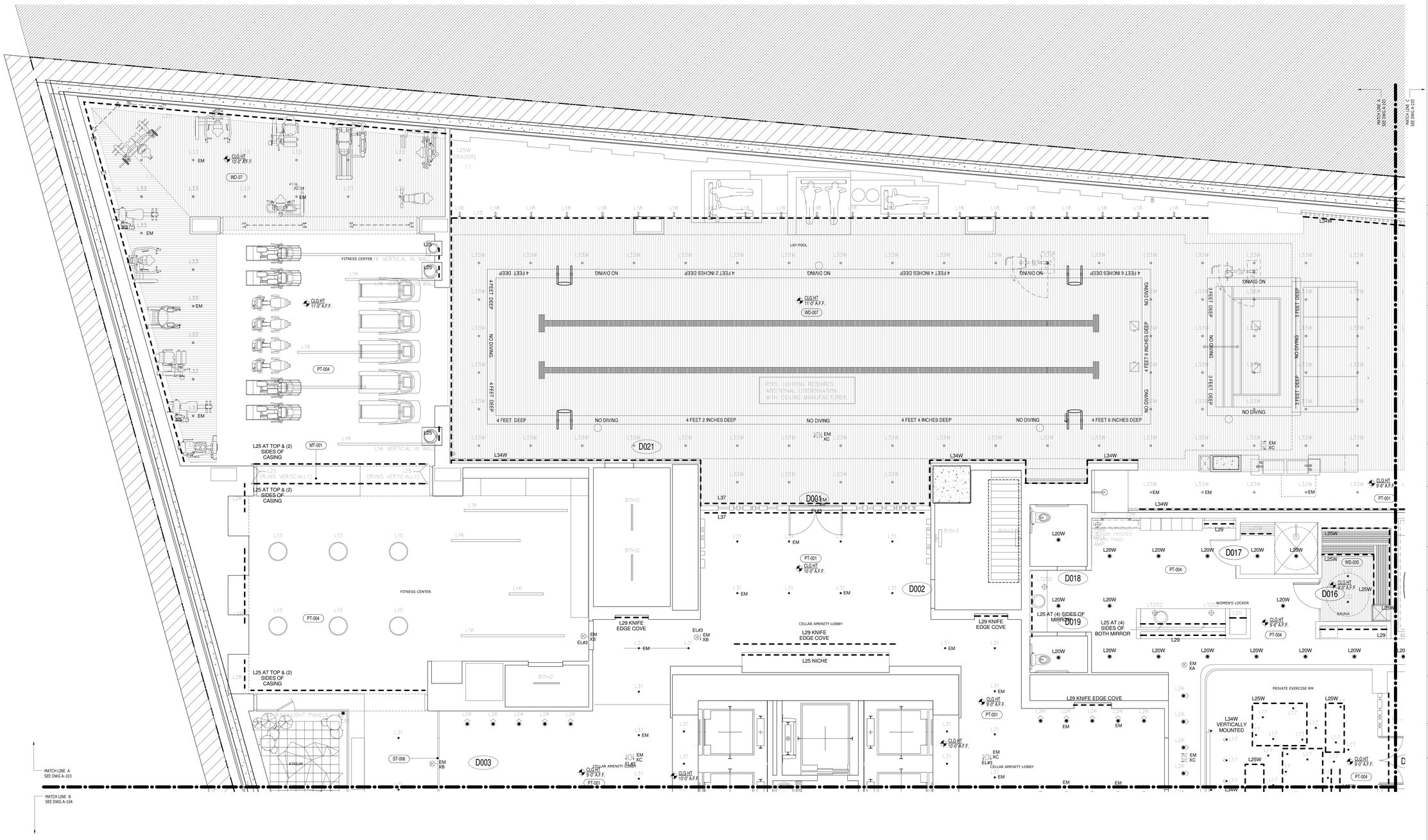

MATCH LINE A SEE DWG A-103
MATCH LINE B SEE DWG A-104
MATCH LINE A SEE DWG A-103
MATCH LINE C SEE DWG A-105
MATCH LINE B SEE DWG A-104
MATCH LINE C SEE DWG A-105
LAP POOL
FITNESS CENTER
FITNESS CENTER
CELLAR AMENITY LOBBY
CELLAR AMENITY LOBBY
CELLAR AMENITY LOBBY
WOMEN'S LOCKER
SAUNA
PRIVATE EXERCISE RM
MEN'S LOCKER
SALON
YOGA ROOM
TRASH COMPACTOR ROOM
SPRINKLER TYP.
PIT
PIT
EAPH
47'x81' TRASH TRUCK (TYP.)
HOSE BIB
FRESH AIR INTAKE. SEE MECH DWGS.
R.C. 24" I.D.
FD
CHILDREN'S PLAYROOM
TEEN REC ROOM
MEDIA ROOM
STORM TANK ACCESS
STORM TANK ACCESS ROOM
POOL DEHUMIDIFICATION UNIT
MEP EQUIPMENT ROOM
WOMEN'S STAFF LOCKER RM
MEN'S STAFF LOCKER RM
BUILDING STORAGE
SUPER'S WORKSHOP
EMR
SECURITY/SUPER'S OFFICE
TENANT STORAGE ROOM B
TENANT STORAGE ROOM A
STORM TANK ACCESS ROOM
LAUNDRY ROOM
IRRIGATION MAKEUP
IRRIGATION MAKEUP
IRRIGATION MAKEUP

DEPT OF BLDGS 122132110 Job Number
ES3864493239 Scan Code

NOTE:
1. SEE DWG A-017 FOR FIN. SCHEDULE
2. SEE DWH A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN





3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

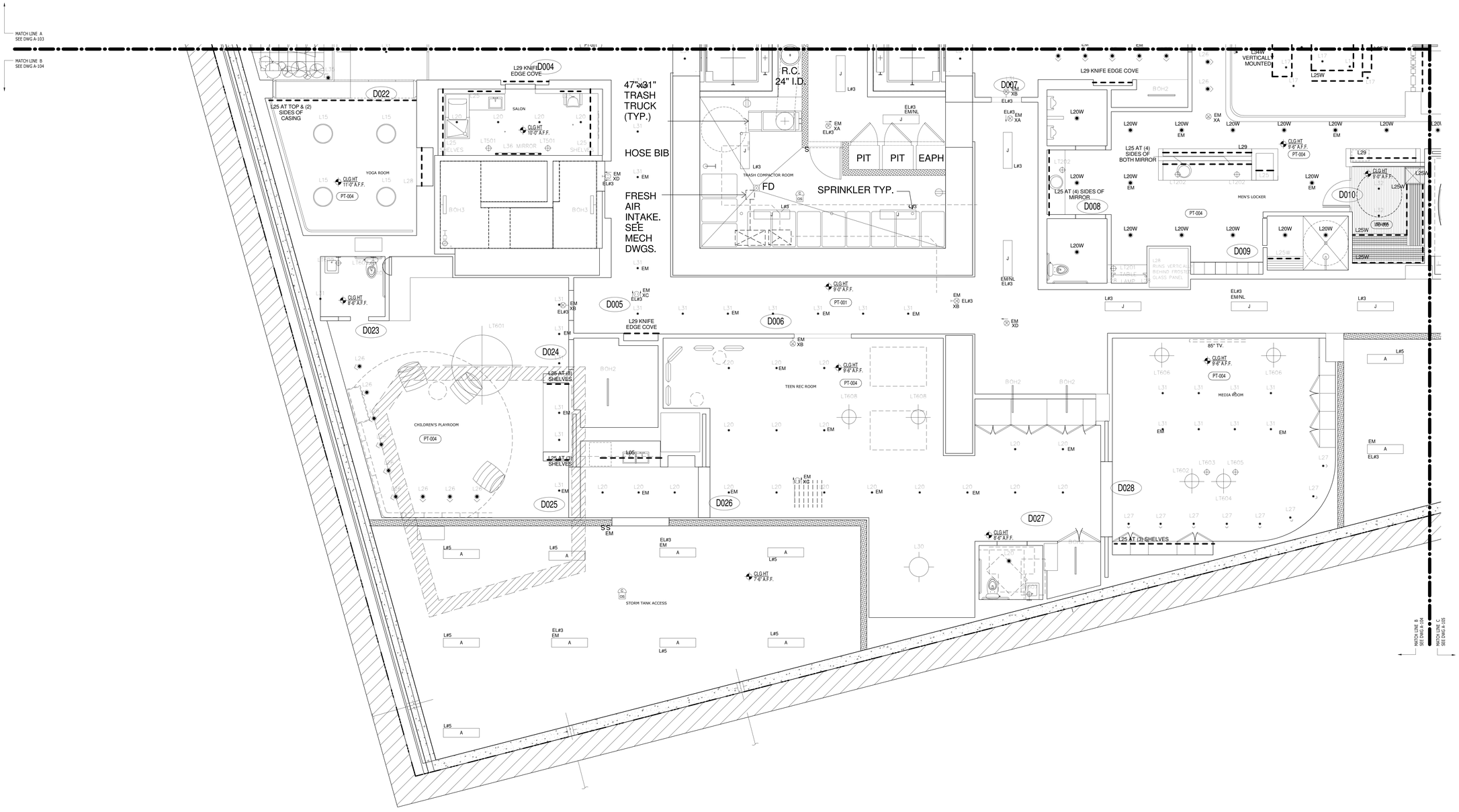
DWG TITLE:
CELLAR PARTIAL FLOOR RCP A

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN YU
No. 025094
STATE OF NEW YORK

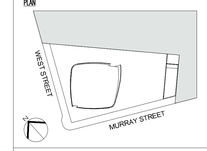
DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-603.00

DEPT OF BLDGS 122132110 Job Number
B1822273410 Scan Code

NOTE:
1. SEE DWG A-017 FOR FIN. SCHEDULE
2. SEE DWH A-018 FOR LIGHT FIXTURE SCHEDULE



KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 1 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
CELLAR PARTIAL FLOOR RCP B

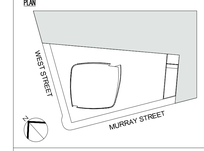
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. CORONA
STATE OF NEW YORK

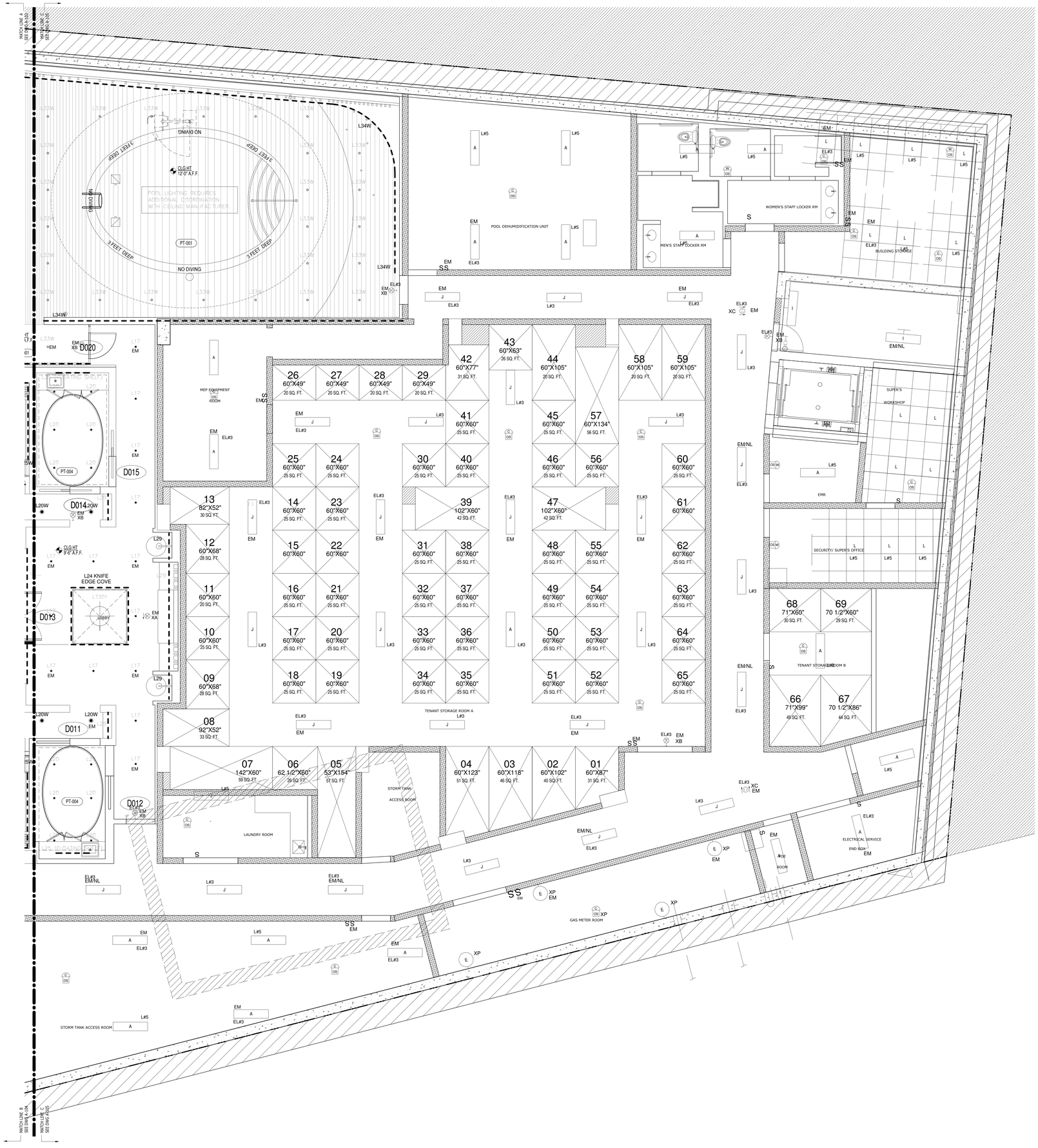
DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-604.00

DEPT OF BLDGS 122132110 Job Number
B07909030505 Scan Code

NOTE:
1. SEE DWG A-017 FOR FIN. SCHEDULE
2. SEE DWH A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN





3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

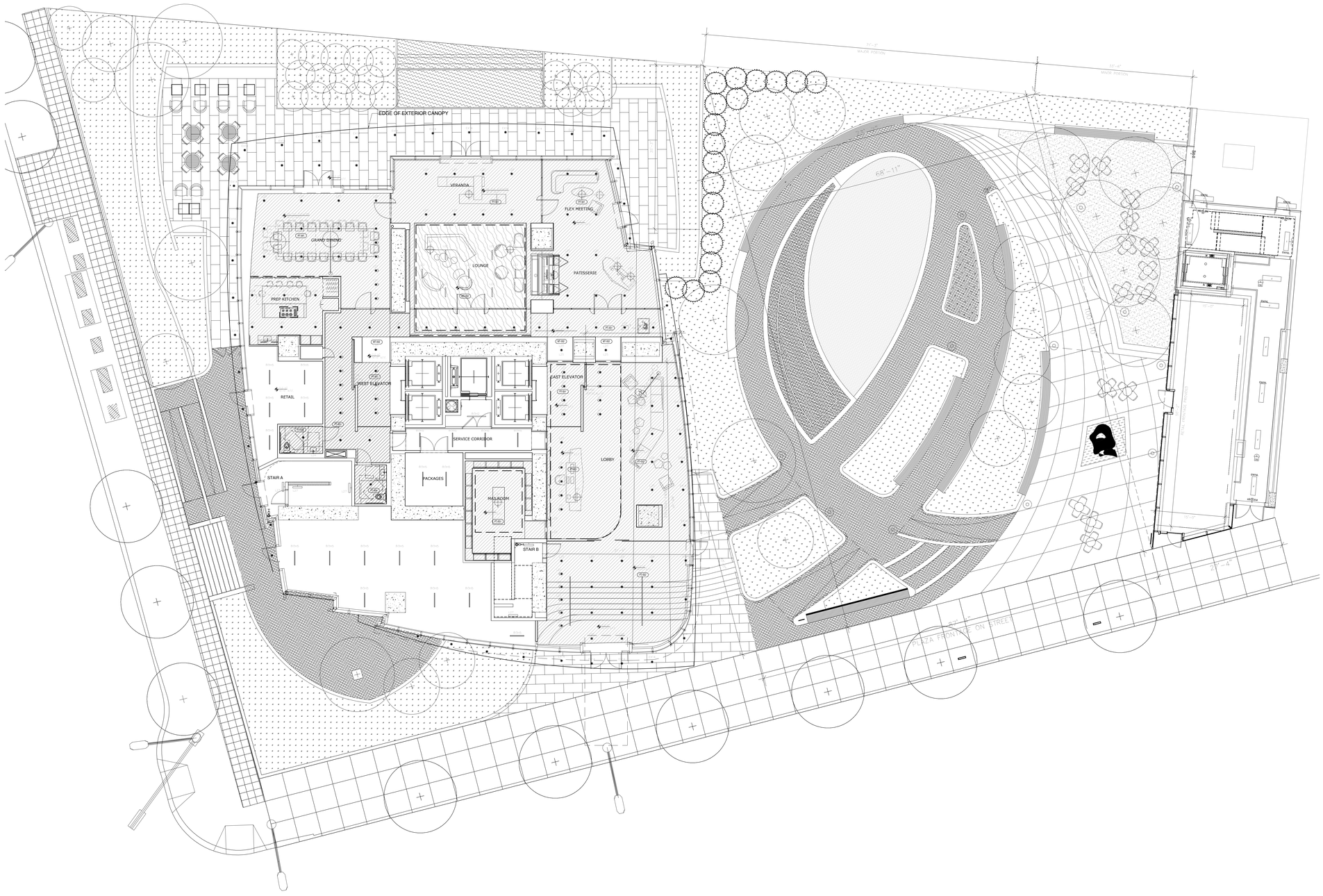
DWG TITLE:
CELLAR PARTIAL FLOOR RCP C

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH M. LEE
025009
STATE OF NEW YORK

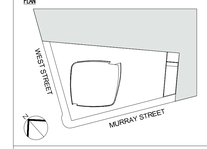
DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-605.00

DEPT OF BLDGS 122132110 Job Number
E500000264 Scan Code

NOTE:
1. SEE DWG A-017 FOR FIN. SCHEDULE
2. SEE DWH A-018 FOR LIGHT FIXTURE SCHEDULE



KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

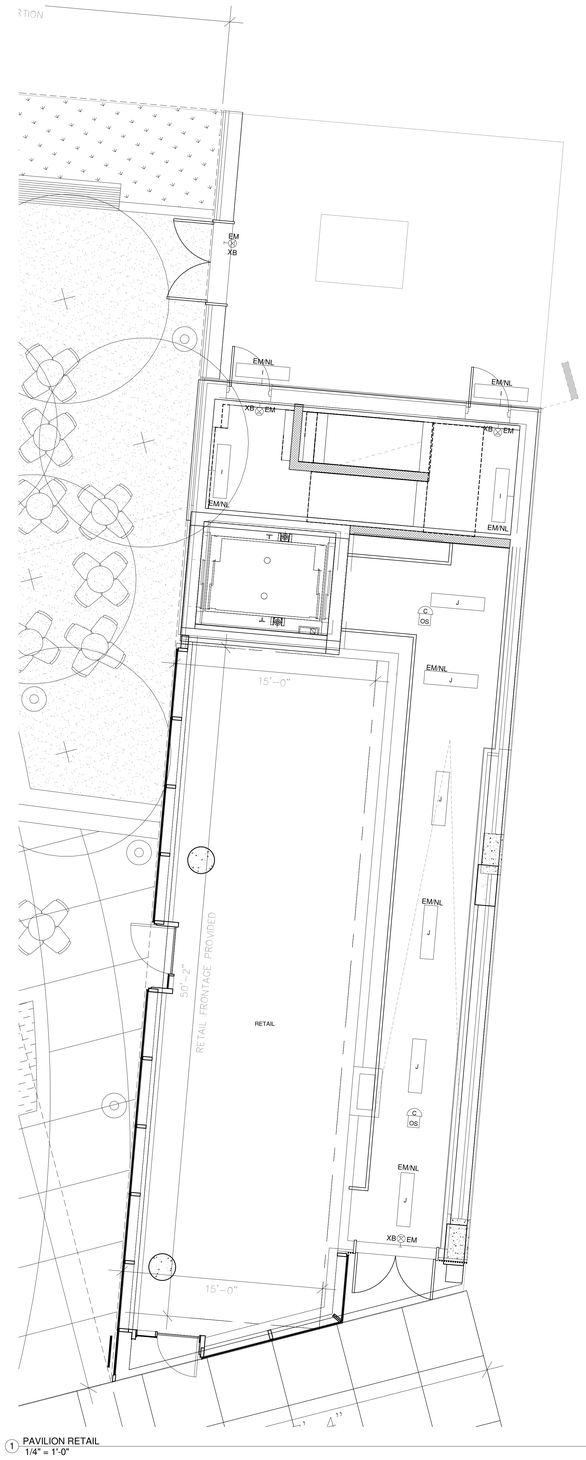
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

DWG TITLE:
GROUND FLOOR RCP

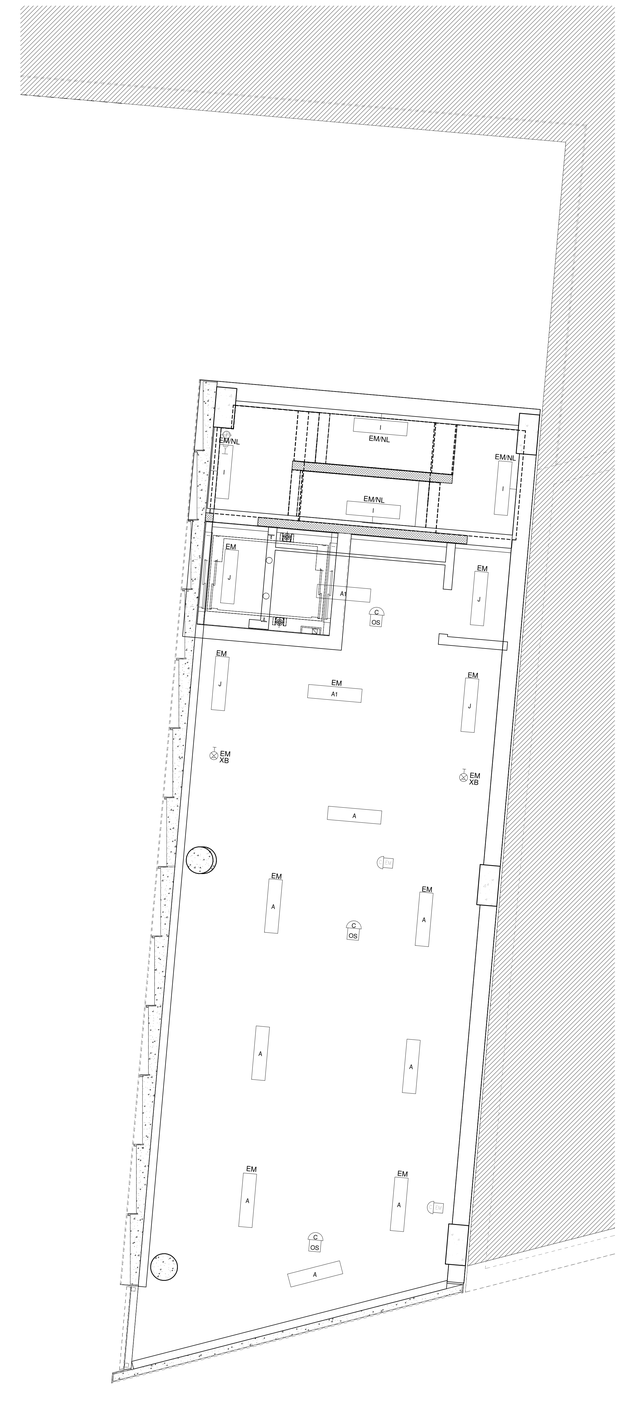
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. KLEIN
No. 025004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/8" = 1'-0"
A-606.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E561870439 Scan Code



1 PAVILION RETAIL
1/4" = 1'-0"



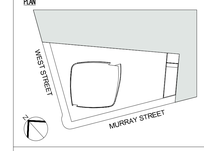
2 PAV 02_MEP
1/4" = 1'-0"

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473-0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
PAVILION (GROUND & 2ND) RCP

SEAL & SIGNATURE
REGISTERED ARCHITECT
STEPHEN M. LEE
No. 026054
STATE OF NEW YORK

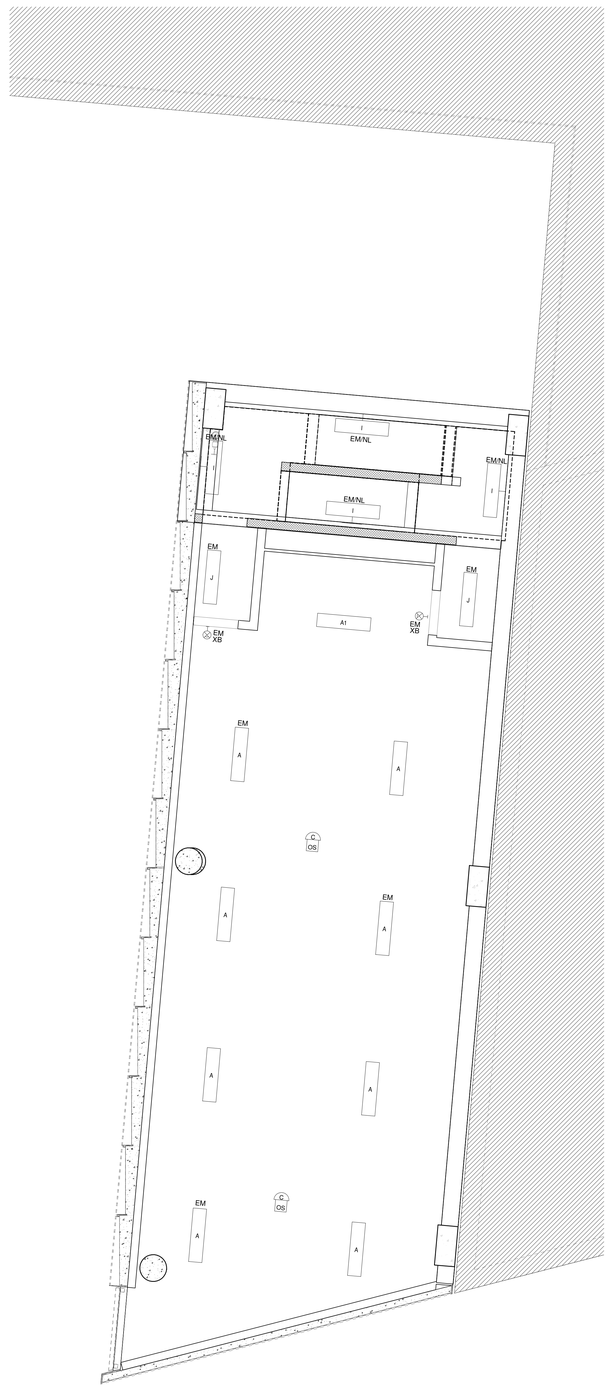
DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
DWG NO. A-607.00

DEPT OF BLDGS 122132110 Job Number
B3995942060 Scan Code

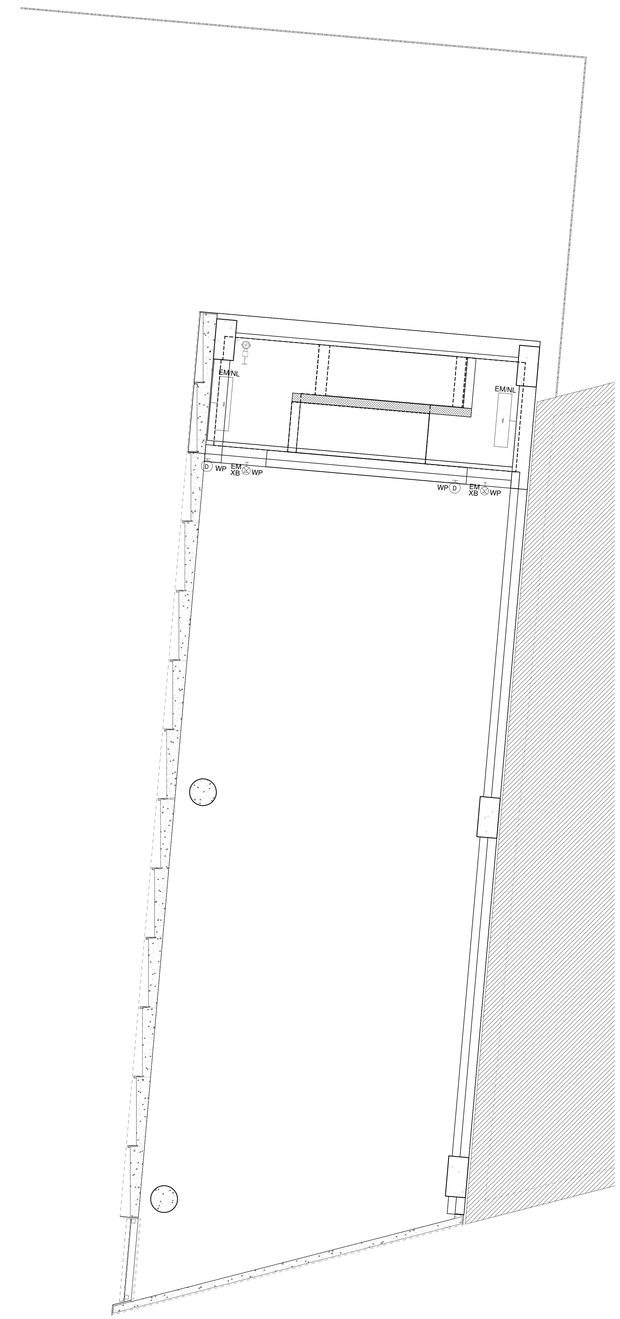
FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE A-018 FOR LIGHT FIXTURE SCHEDULE

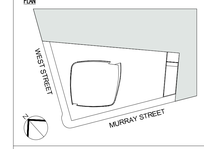


1 PAV LEVEL 03_MEP
1/4" = 1'-0"



2 PAV ROOF_MEP
1/4" = 1'-0"

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

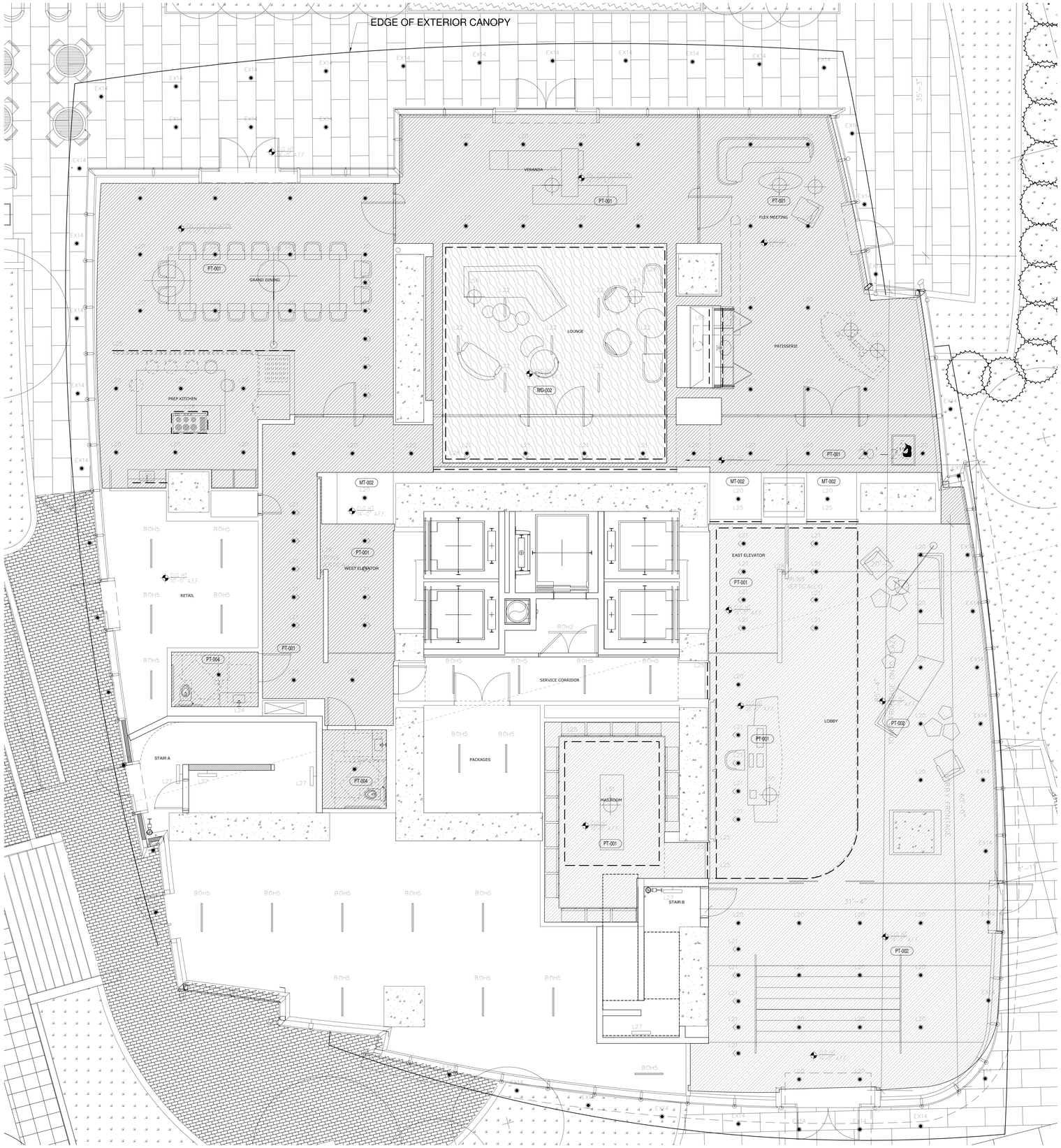
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

DWG TITLE:
PAVILION (3RD & ROOF) RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
DAVID STEPHEN HILL
026004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-608.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E3331554A3M Scan Code



CEILING LEGEND:

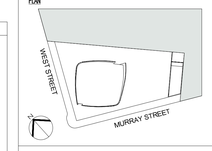
- PTD. GYPSUM BOARD CLG. HEIGHT AS NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG.
- CEILING BY INTERIOR DESIGNER 12'-0" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE:
1. SEE DWG A-017 FOR FINISH SCHEDULE
2. SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

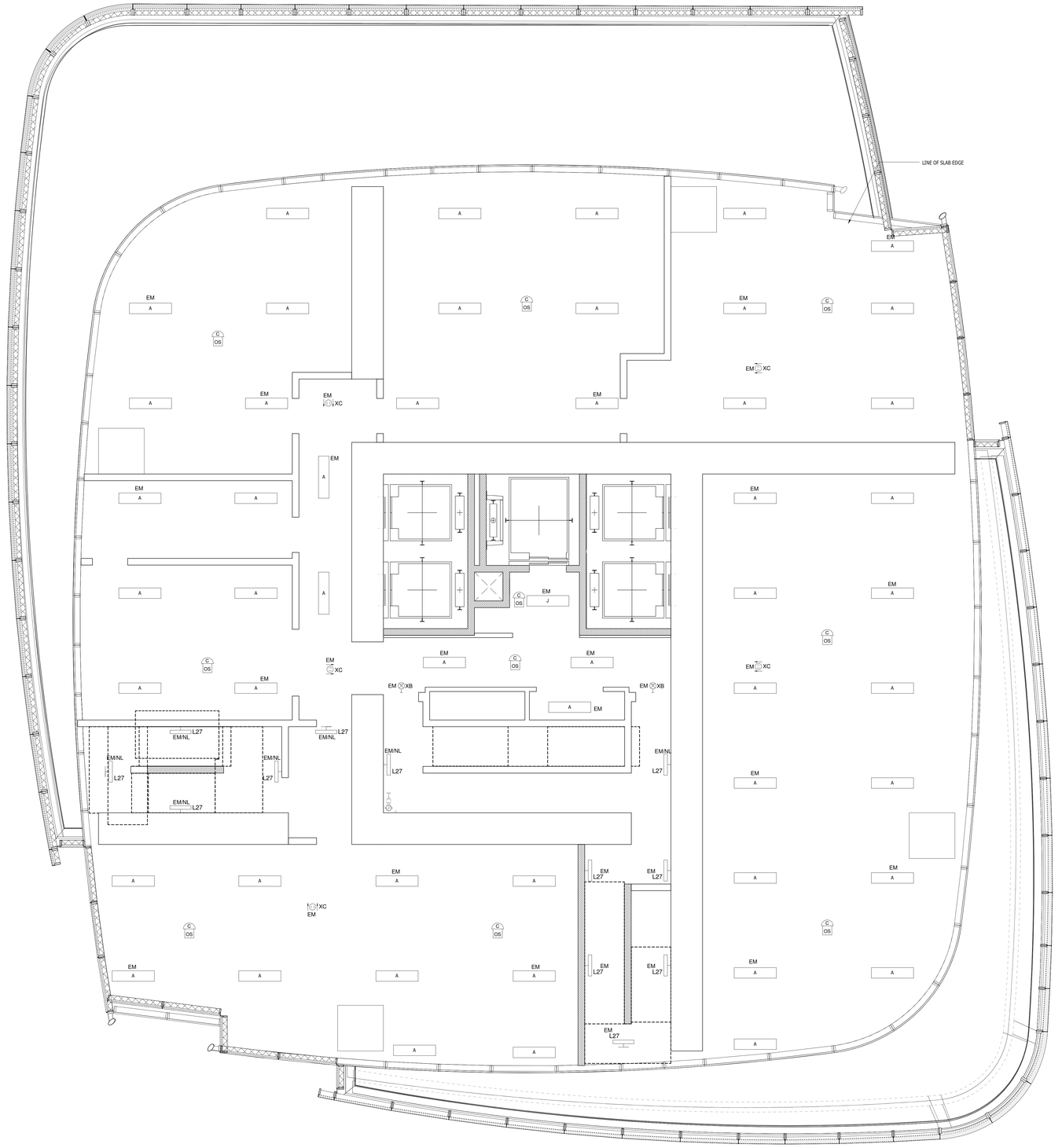
DWG TITLE:
TOWER GROUND FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
DAVID STEPHEN HILL
No. 026004
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-609.00

DEPT OF BLDGS 122132110 Job Number

E360502295B0 Scan Code



CEILING LEGEND:

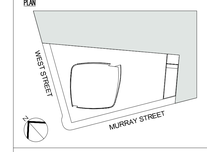
- CEILINGS/ SOFFITS TO BE AT 8'-9" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

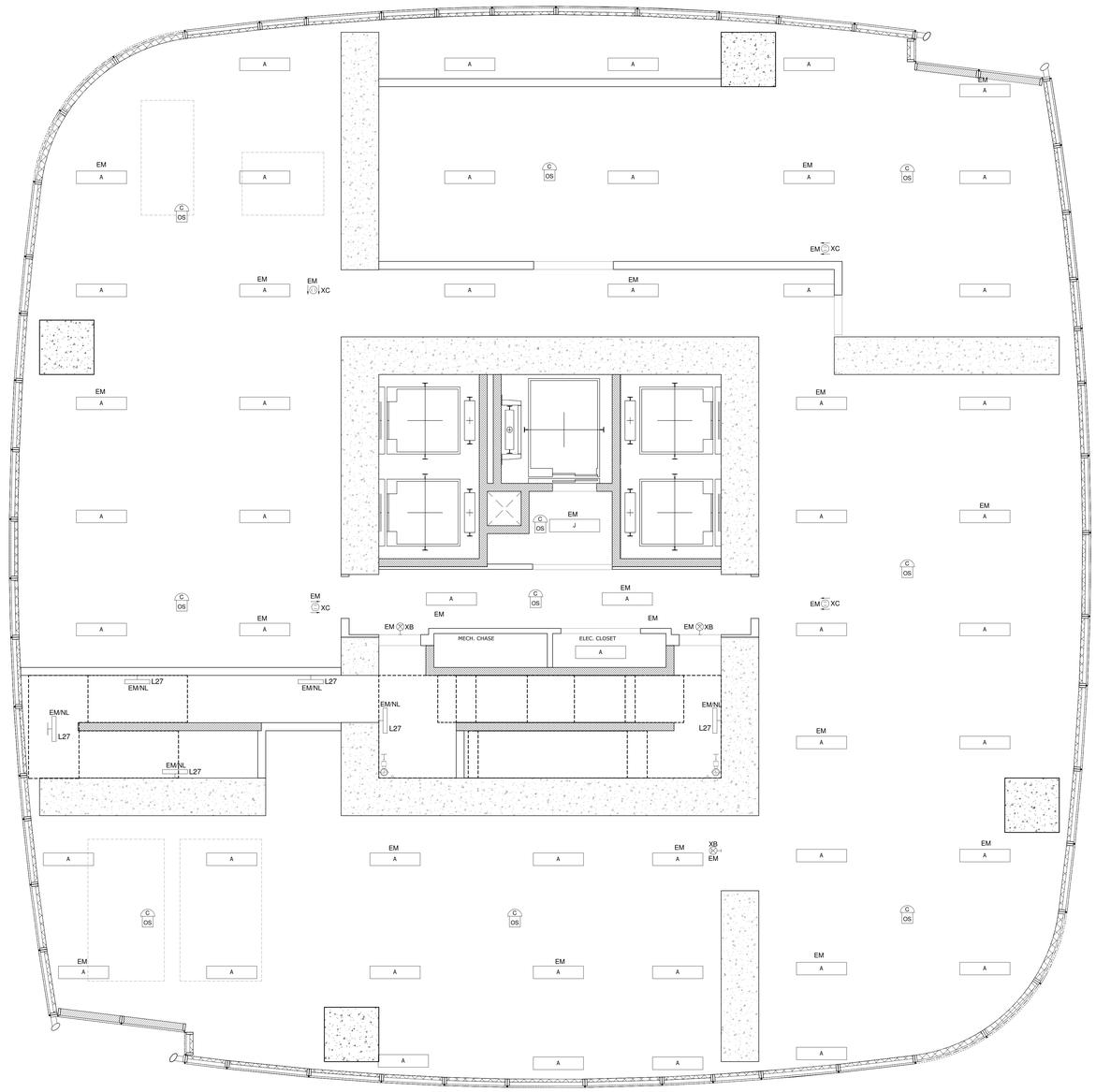
DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
2ND FLOOR RCP (BICYCLE STORAGE ROOM/MECHANICAL)

SEAL & SIGNATURE
REGISTERED ARCHITECT
TO STEPHEN M. CORDA
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-611.00
DWG NO.

DEPT OF BLDGS 121323.10 Job Number
ES8478908G7 Scan Code



CEILING LEGEND:

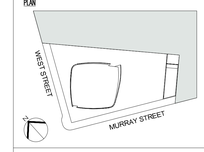
- CEILINGS/ SOFFITS TO BE AT 9'-9" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

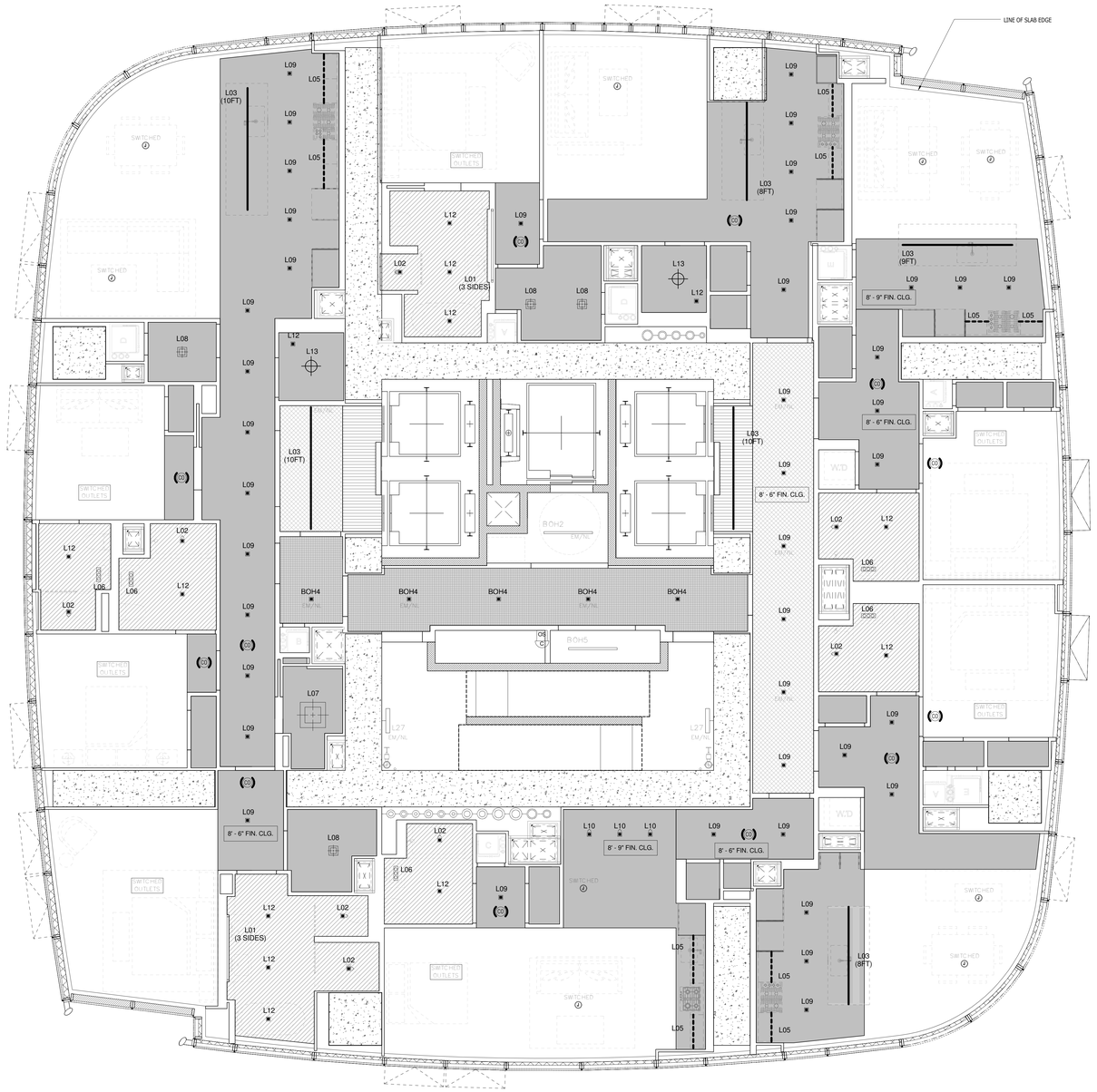
DWG TITLE:
3RD FLOOR RCP

SEAL & SIGNATURE
REGISTERED ARCHITECT
STEPHEN T. HILL
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-612.00

DEPT OF BLDGS 122132110 Job Number

E57964949 Scan Code



CEILING LEGEND:

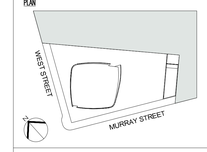
- CEILINGS/ SOFFITS TO BE AT 8'-9" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

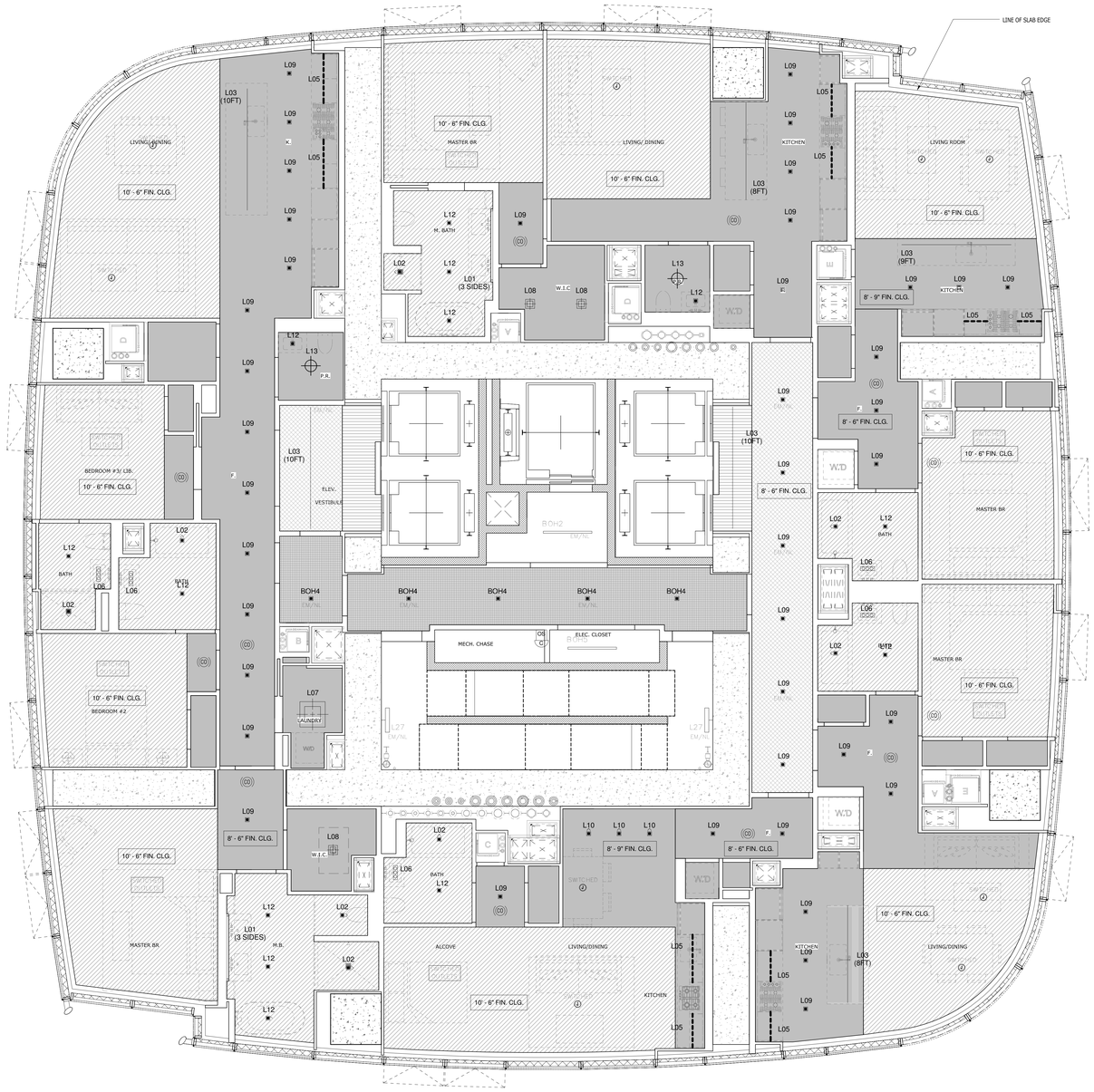
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
4TH -10TH FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. HILL
No. 026004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-613.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
ES1950SW35 Scan Code



CEILING LEGEND:

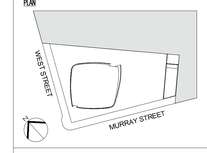
- CEILINGS/ SOFFITS TO BE AT 8'-9" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

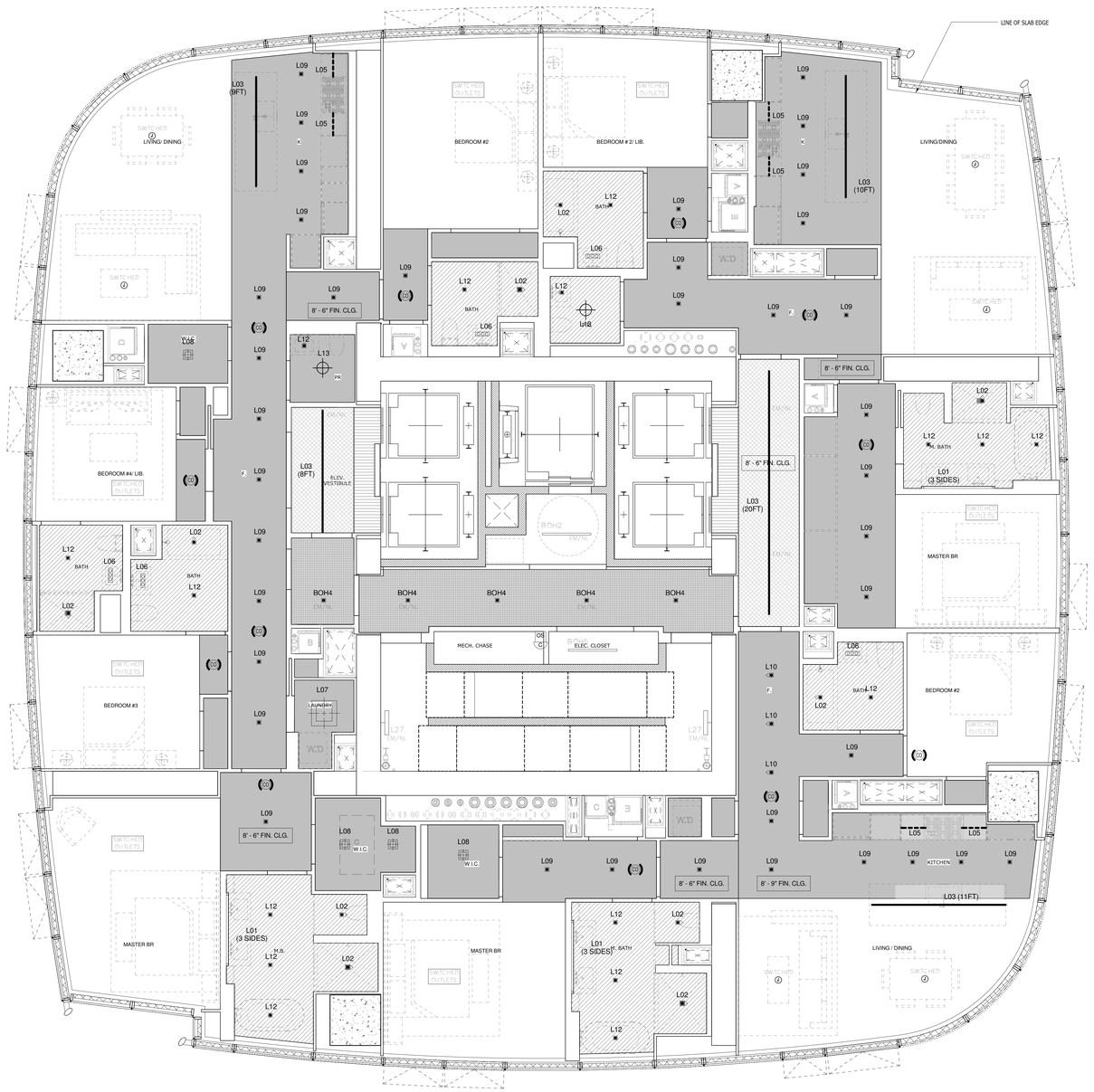
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
11TH FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. CORDA
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-620.00

DEPT OF BLDGS 122132110 Job Number
B162267086MN Scan Code



CEILING LEGEND:

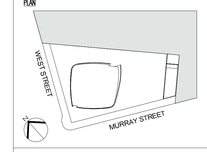
- CEILINGS/ SOFFITS TO BE AT 8'-0" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

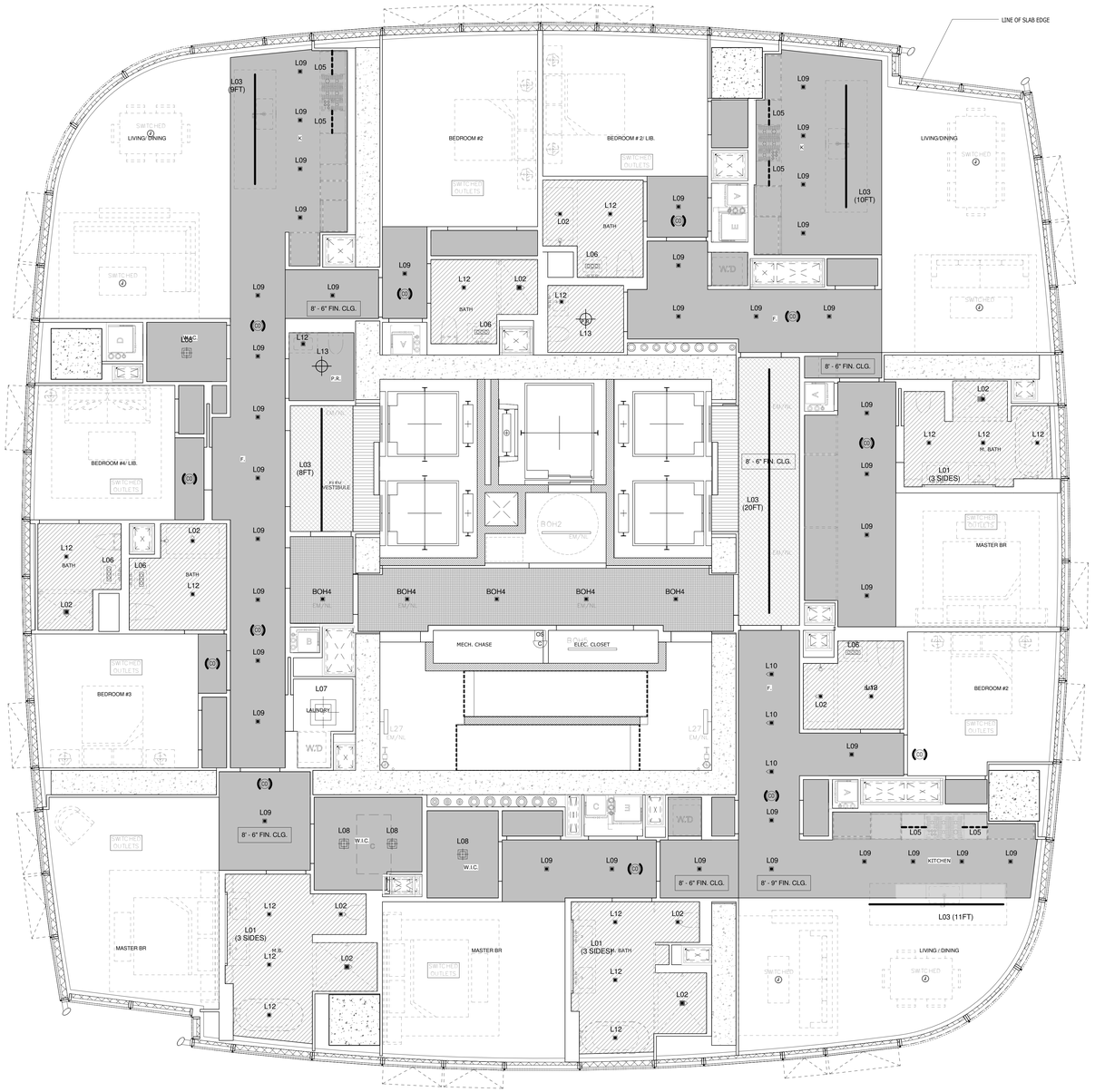
DWG TITLE:
12TH FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. CORDA
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-621.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number

E597064247 Scan Code



CEILING LEGEND:

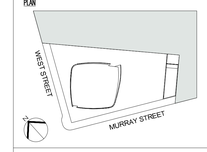
- CEILINGS/ SOFFITS TO BE AT 8'-0" AFF, UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-5" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

NB# 122132110

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:

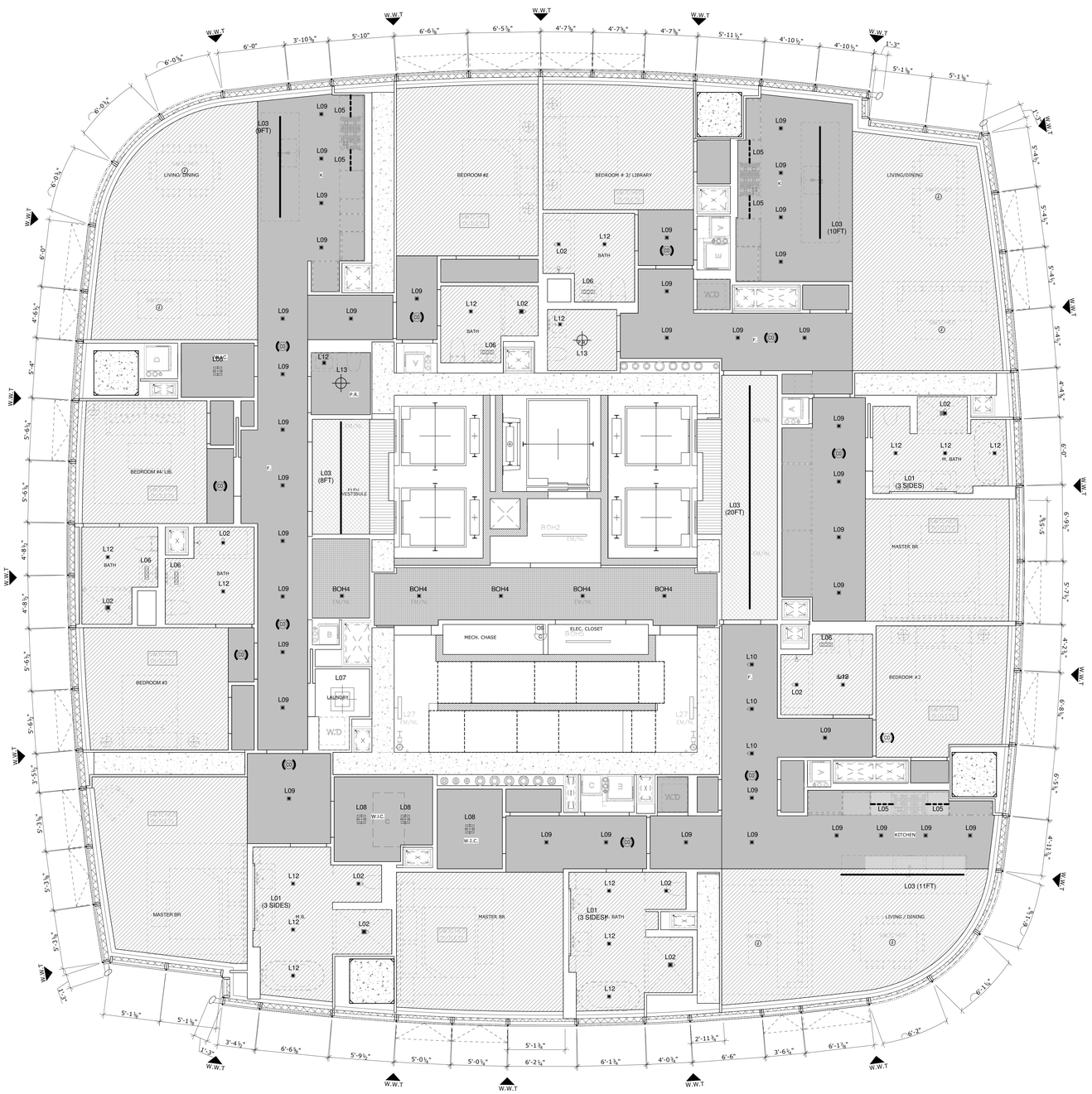
13TH- 25TH FLOOR RCP

SEAL & SIGNATURE

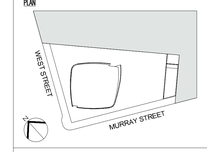
REGISTERED ARCHITECT STEPHEN T. HILL 026004 STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-622.00

DEPT OF BLDGS 122132110 Job Number
ES0041923S Scan Code



KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
26TH FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
DAVID STEPHEN HILL
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/4" = 1'-0"
A-635.00
DWG NO.

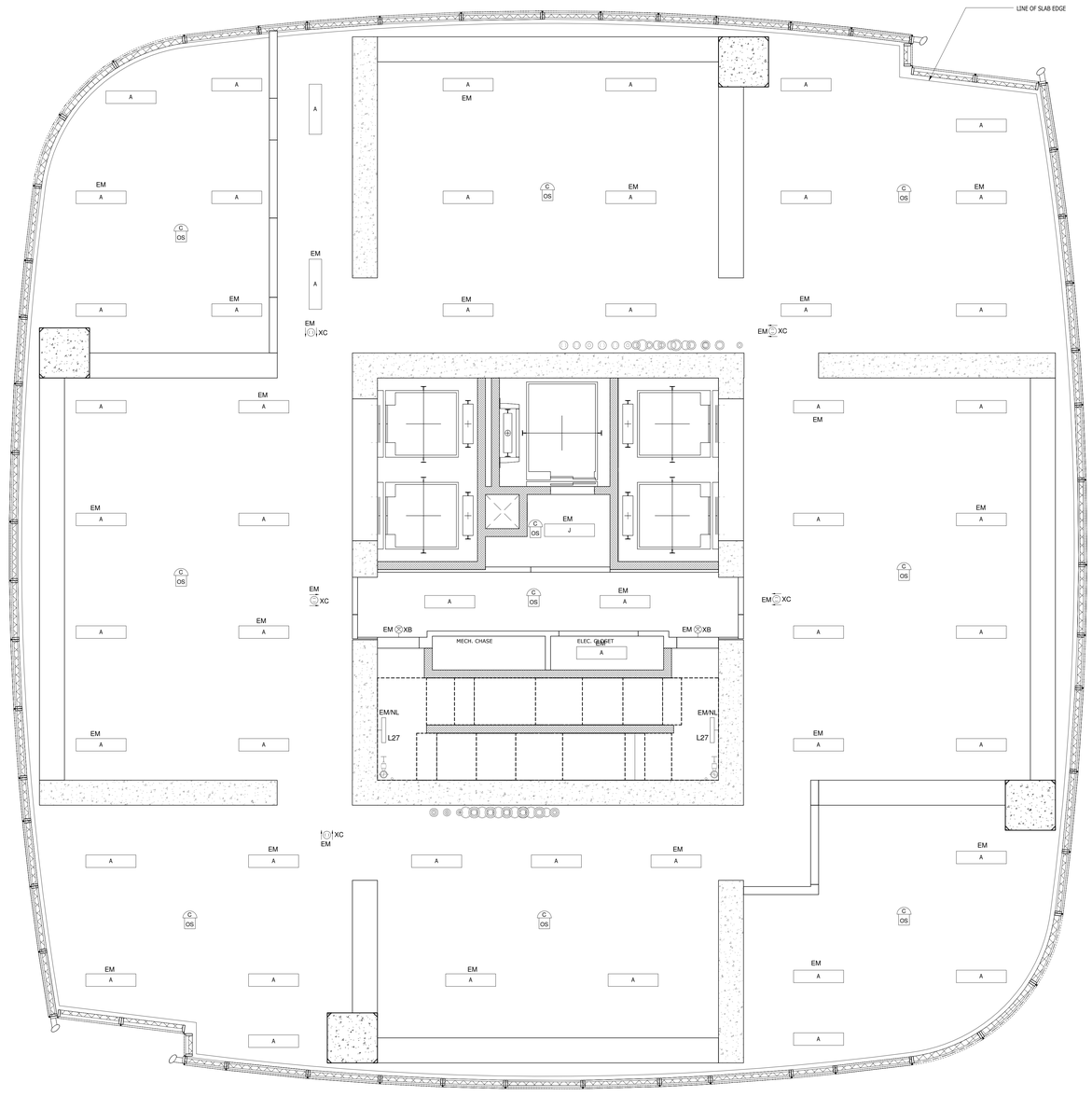
DEPT OF BLDGS 122132110 Job Number

ES4007467P Scan Code

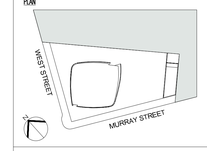
FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE A-018 FOR LIGHT FIXTURE SCHEDULE



KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

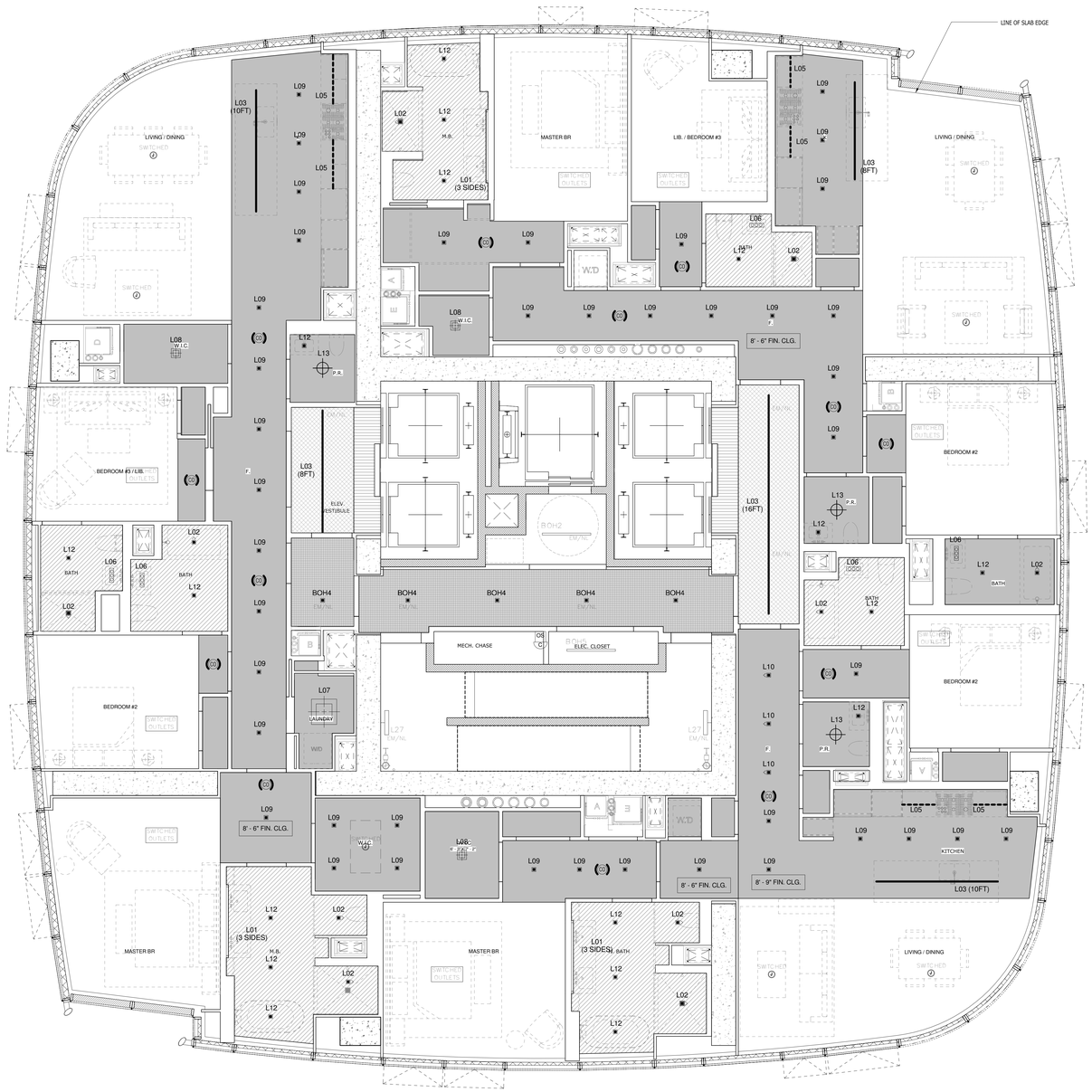
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
27TH FLOOR MECHANICAL RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH NITE
026202
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-636.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E3306305435 Scan Code



CEILING LEGEND:

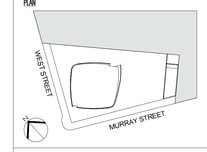
- CEILINGS/ SOFFITS TO BE AT 8'-9" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

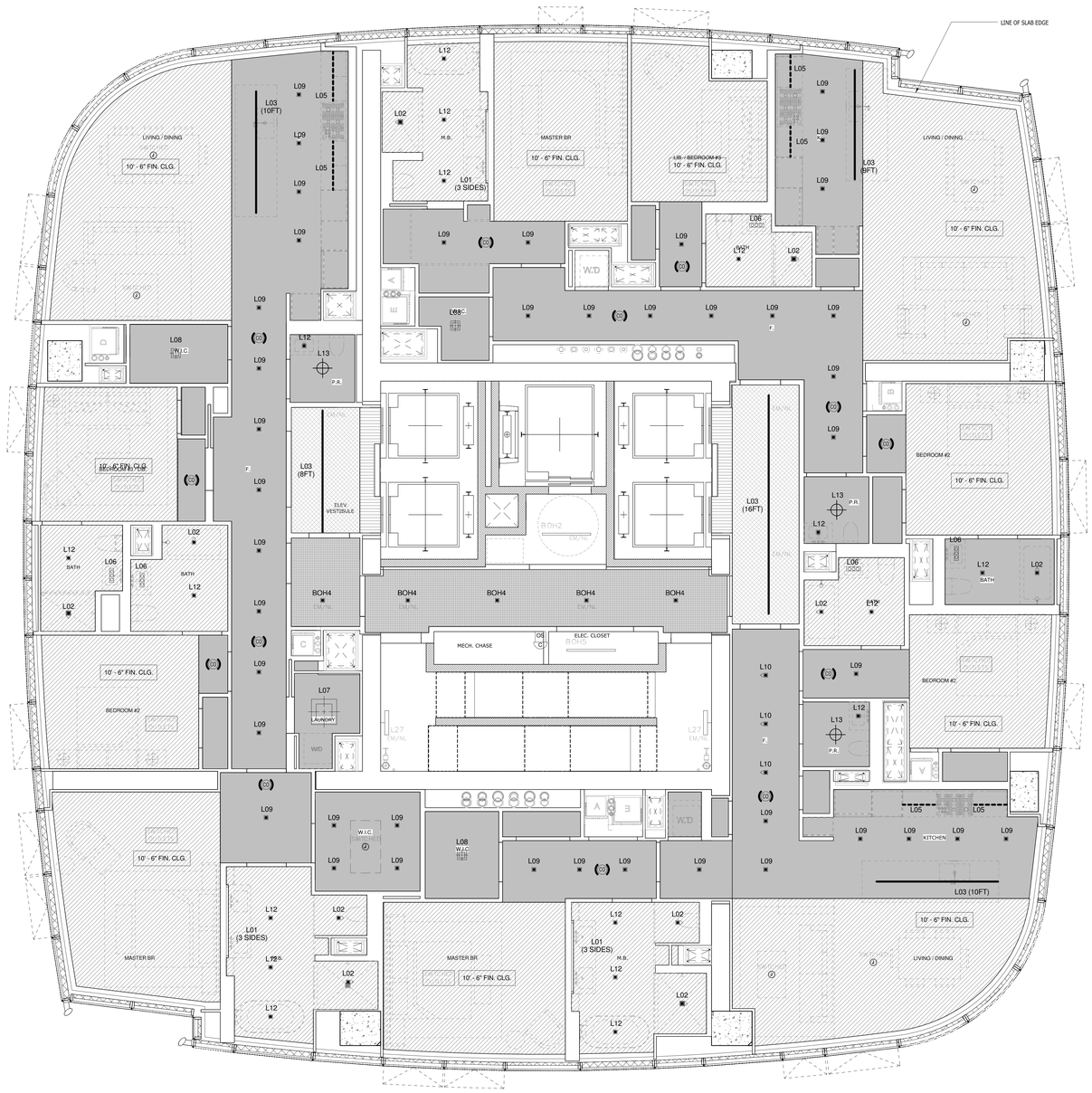
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
28TH-38TH FLOOR RCP

SEAL & SIGNATURE
REGISTERED ARCHITECT
STEPHEN HILL
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-638.00

DEPT OF BLDGS 122132110 Job Number
ES1205099915 Scan Code



CEILING LEGEND:

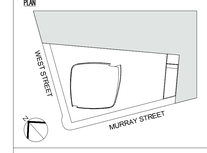
- CEILINGS/ SOFFITS TO BE AT 8'-9" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

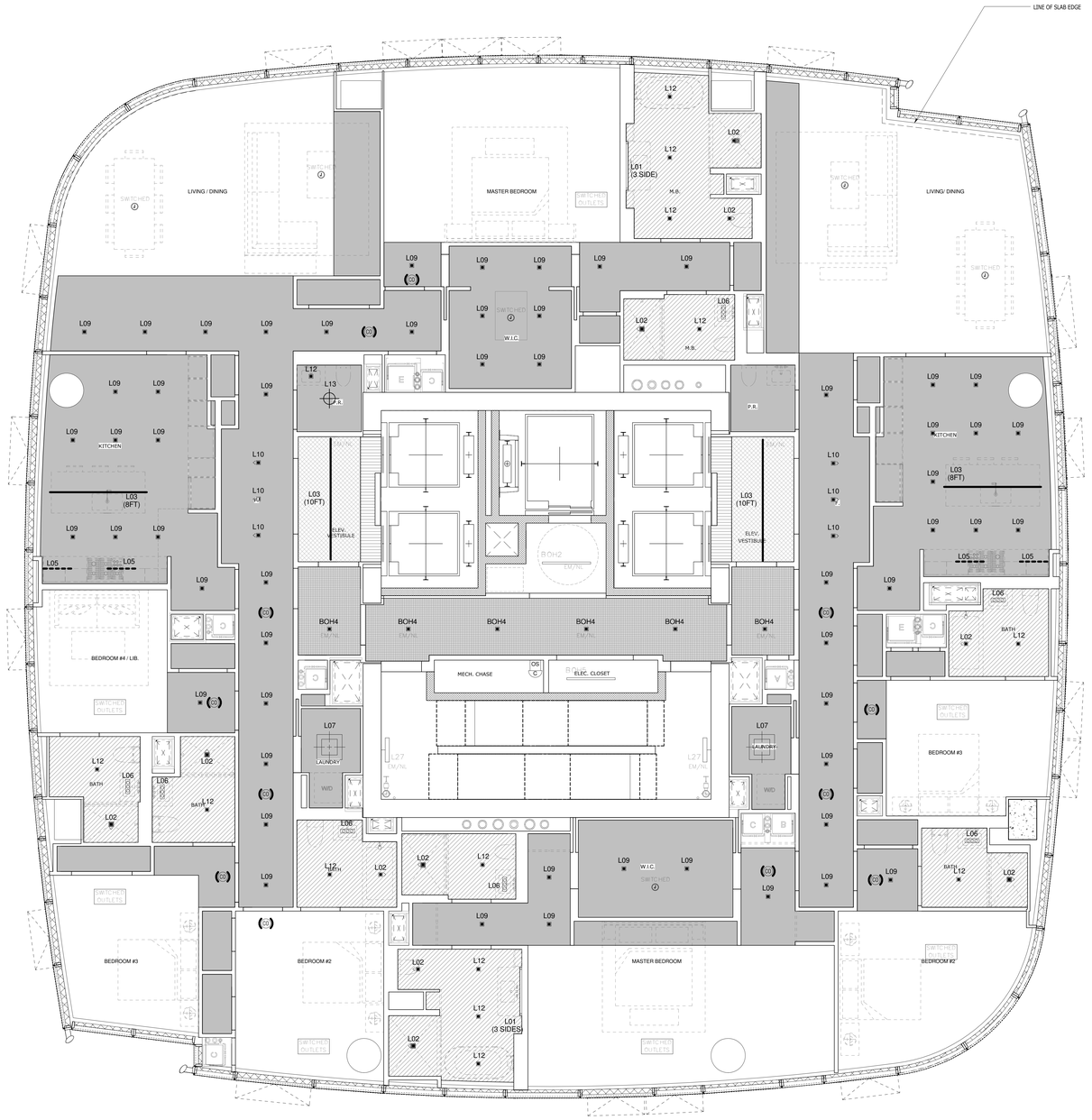
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
39TH FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
029004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-649.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E2007002579 Scan Code



CEILING LEGEND:

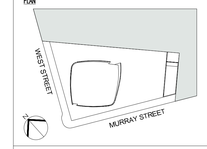
- CEILINGS/ SOFFITS TO BE AT 8'-9" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.0108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

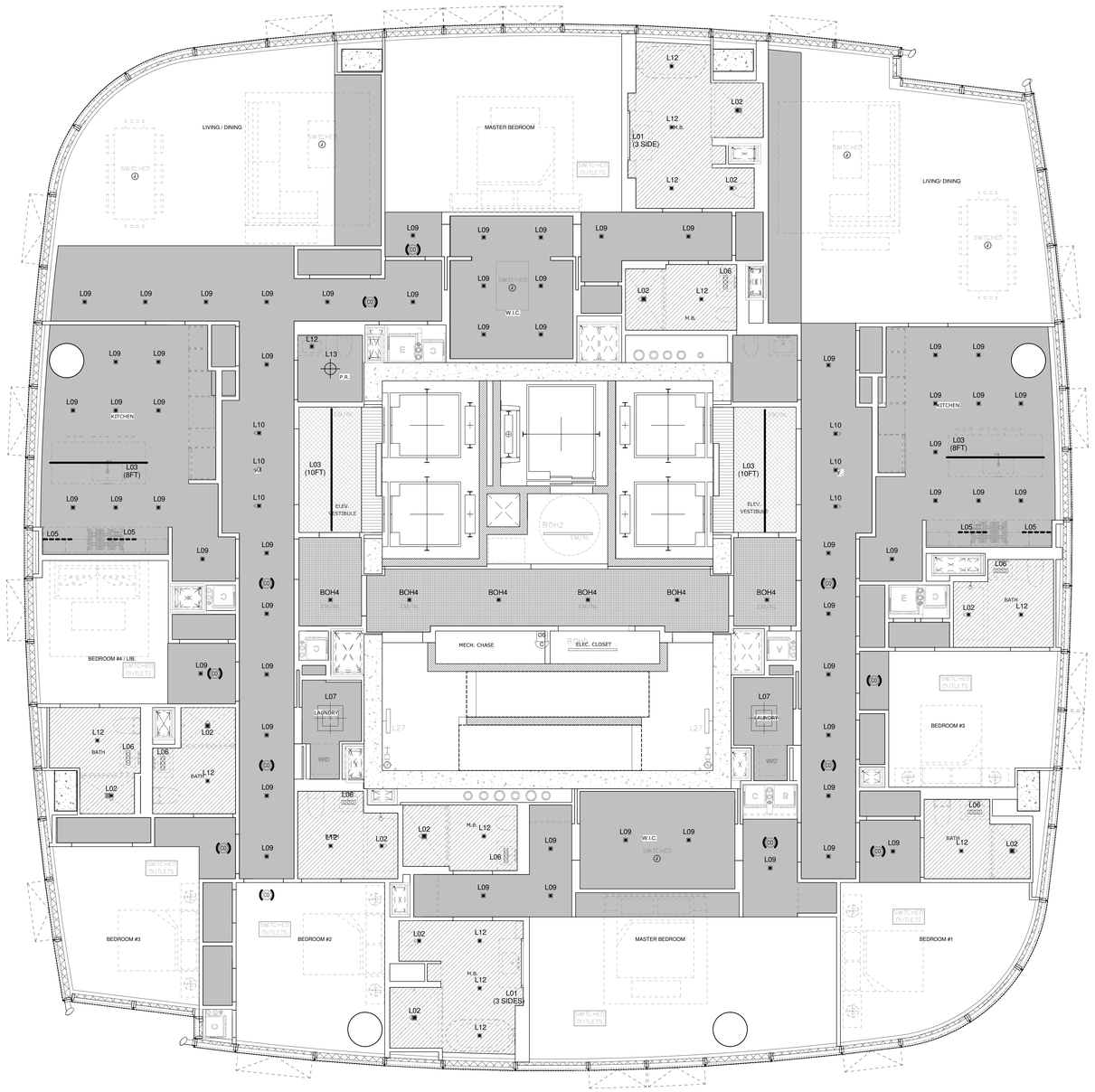
DWG TITLE:
40TH FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH STEPHEN HILL
026004
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-650.00

DEPT OF BLDGS 122132110 Job Number

E569979419HT Scan Code



CEILING LEGEND:

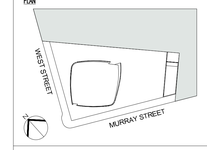
- CEILINGS/ SOFFITS TO BE AT 8'-9" AFF, UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
41ST FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
ROBERT STEPHEN HILL
026004
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-651.00

DEPT OF BLDGS 122132110 Job Number

E-SWB0010155 Scan Code

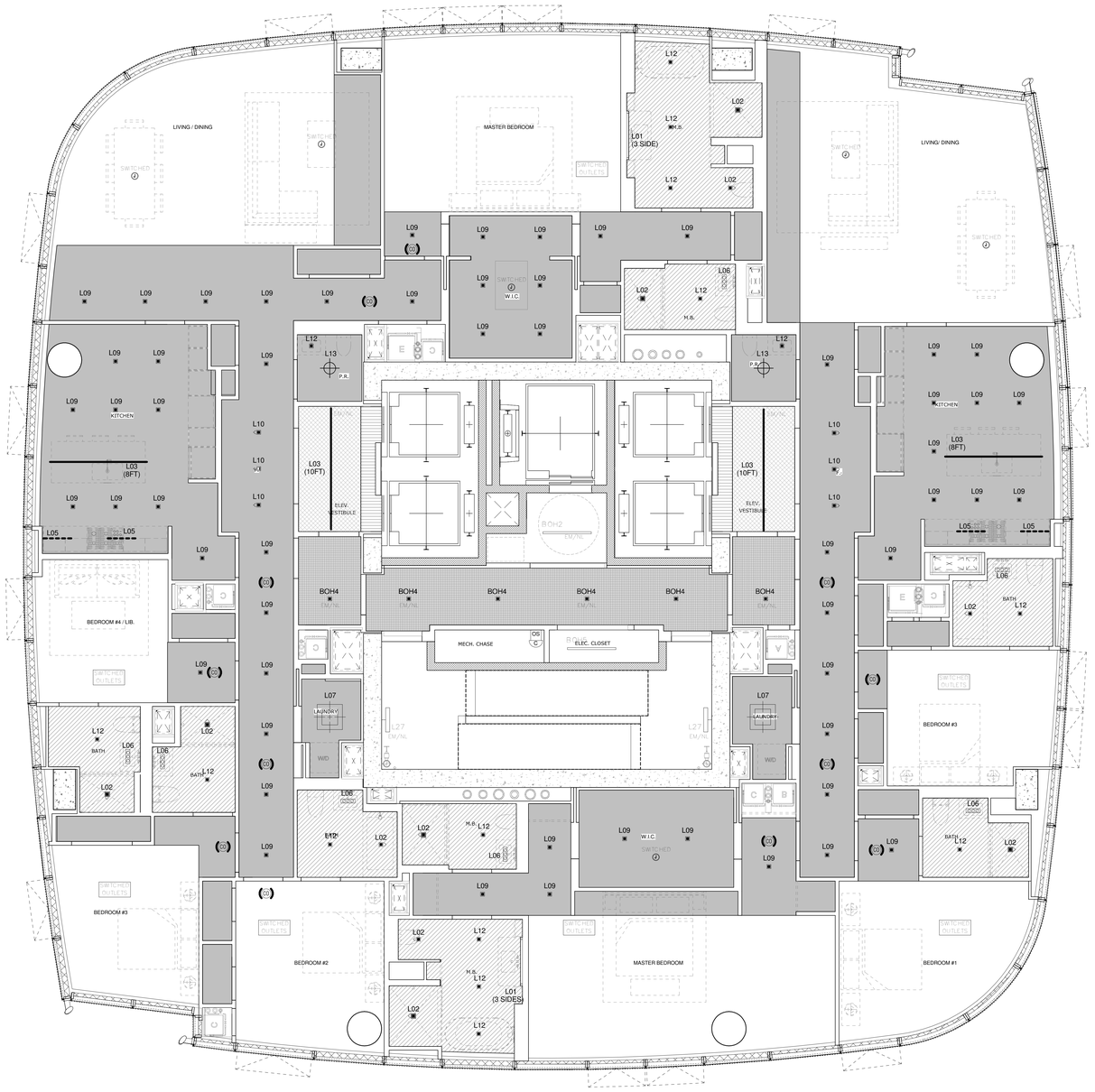
CEILING LEGEND:

- CEILINGS/ SOFFITS TO BE AT 8'-9" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

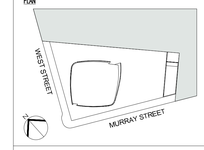
FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE



KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
42ND FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH STEPHEN HILL
026004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-652.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number

E-59863-133070 Scan Code

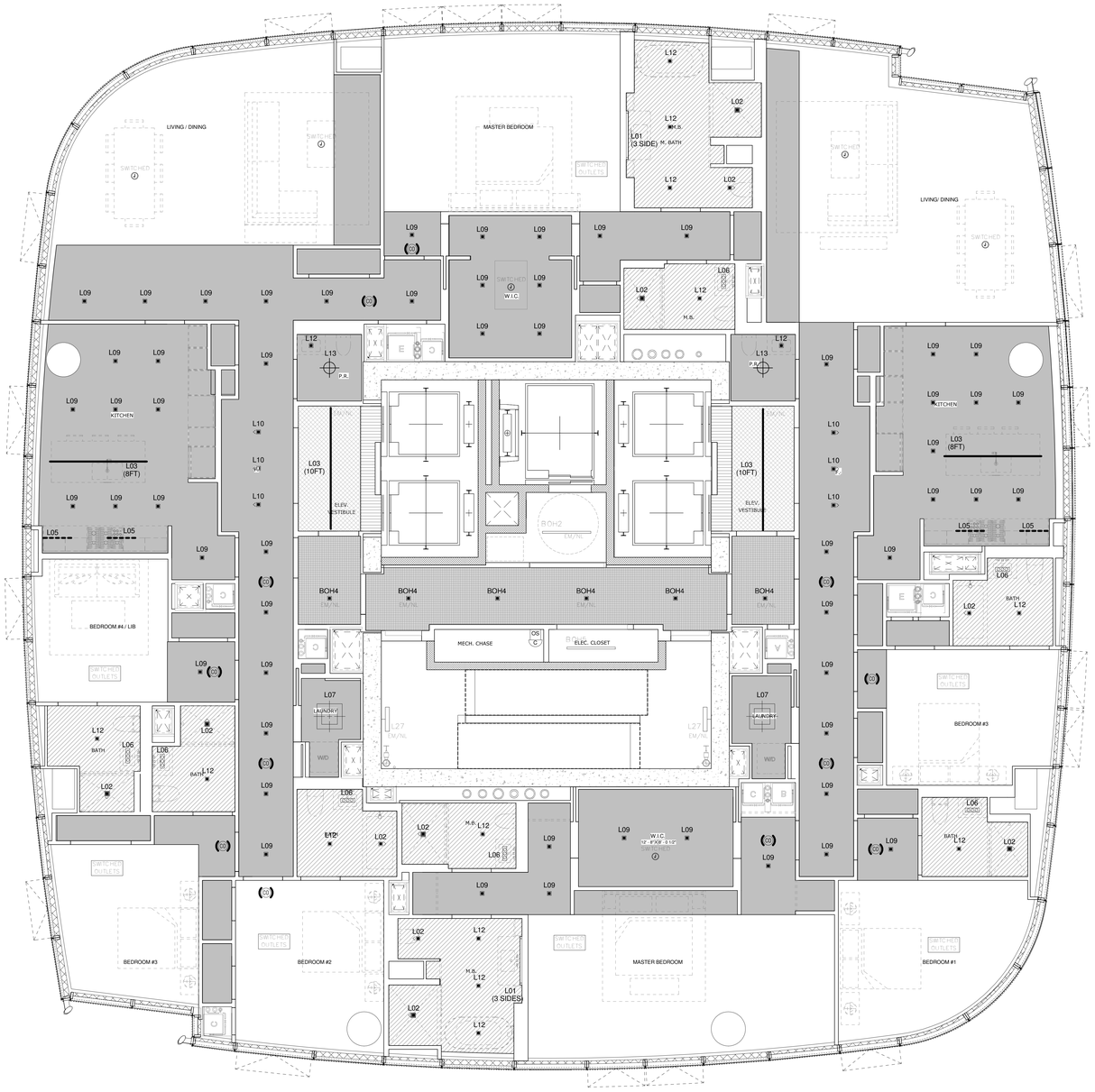
CEILING LEGEND:

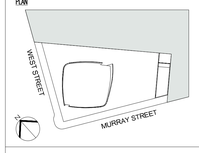
- CEILINGS/ SOFFITS TO BE AT 8'-9" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE





Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.0108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

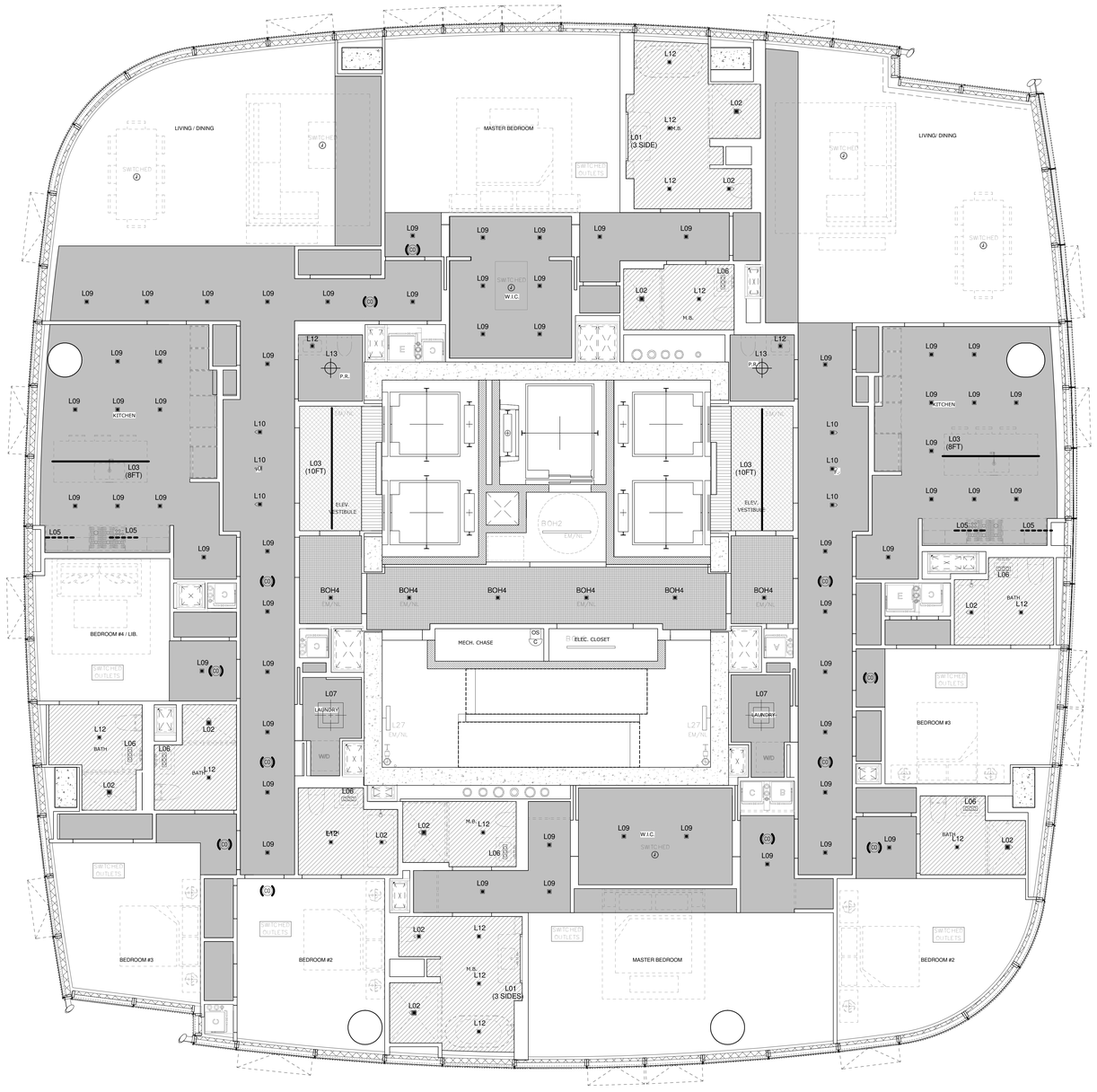
DWG TITLE:
43RD FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOB STEPHEN HILL
026004
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-653.00

DEPT OF BLDGS 122132110 Job Number

E-5619553.001 Scan Code



CEILING LEGEND:

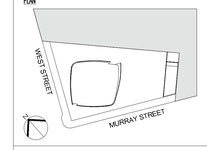
- CEILINGS/ SOFFITS TO BE AT 8'-9" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
44TH FLOOR RCP

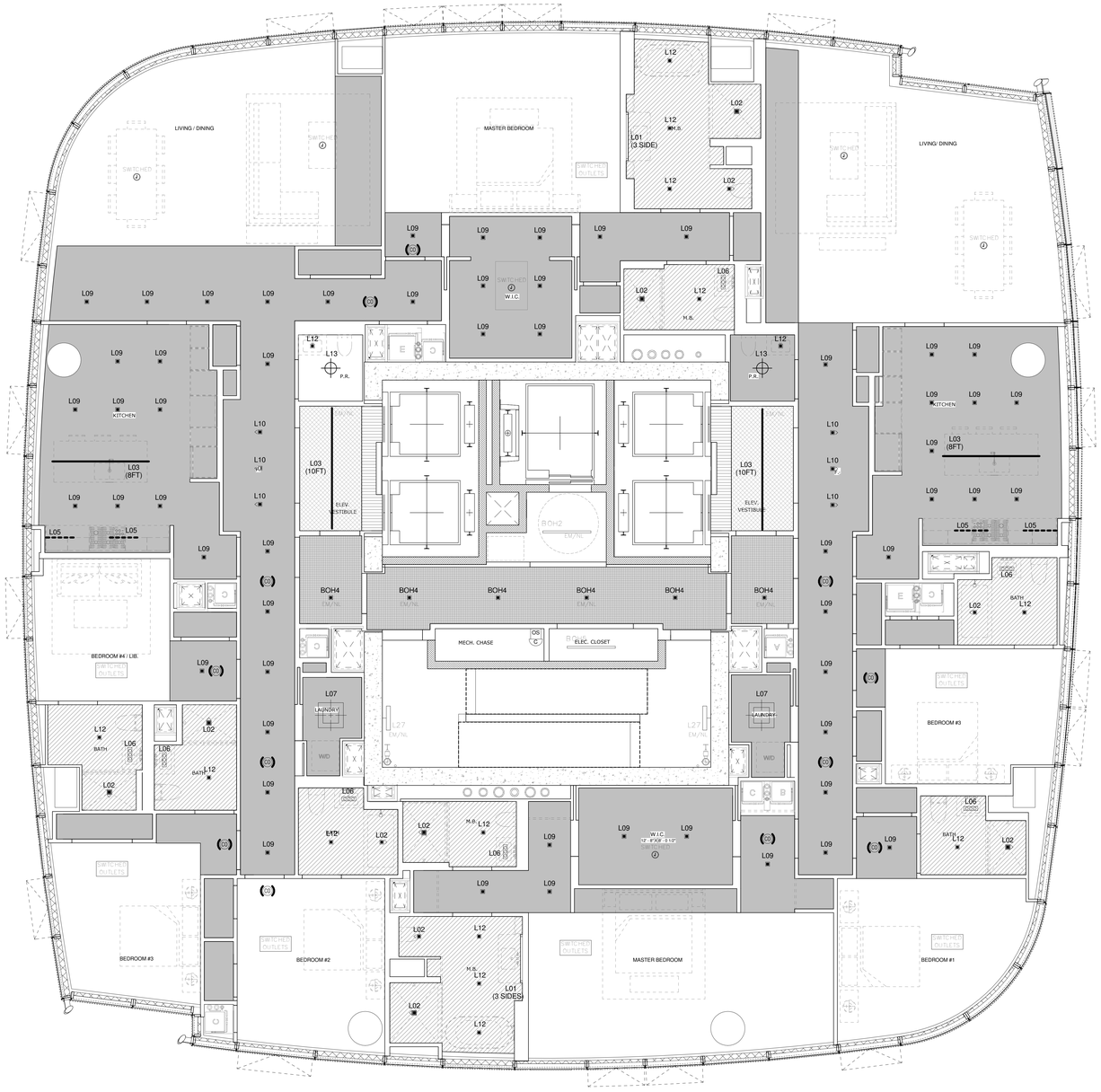
SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOHN STEPHEN HILL
026004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated

A-654.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number

E-DOB-20090905020 Scan Code



CEILING LEGEND:

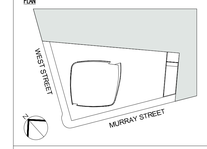
- CEILINGS/ SOFFITS TO BE AT 8'-9" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

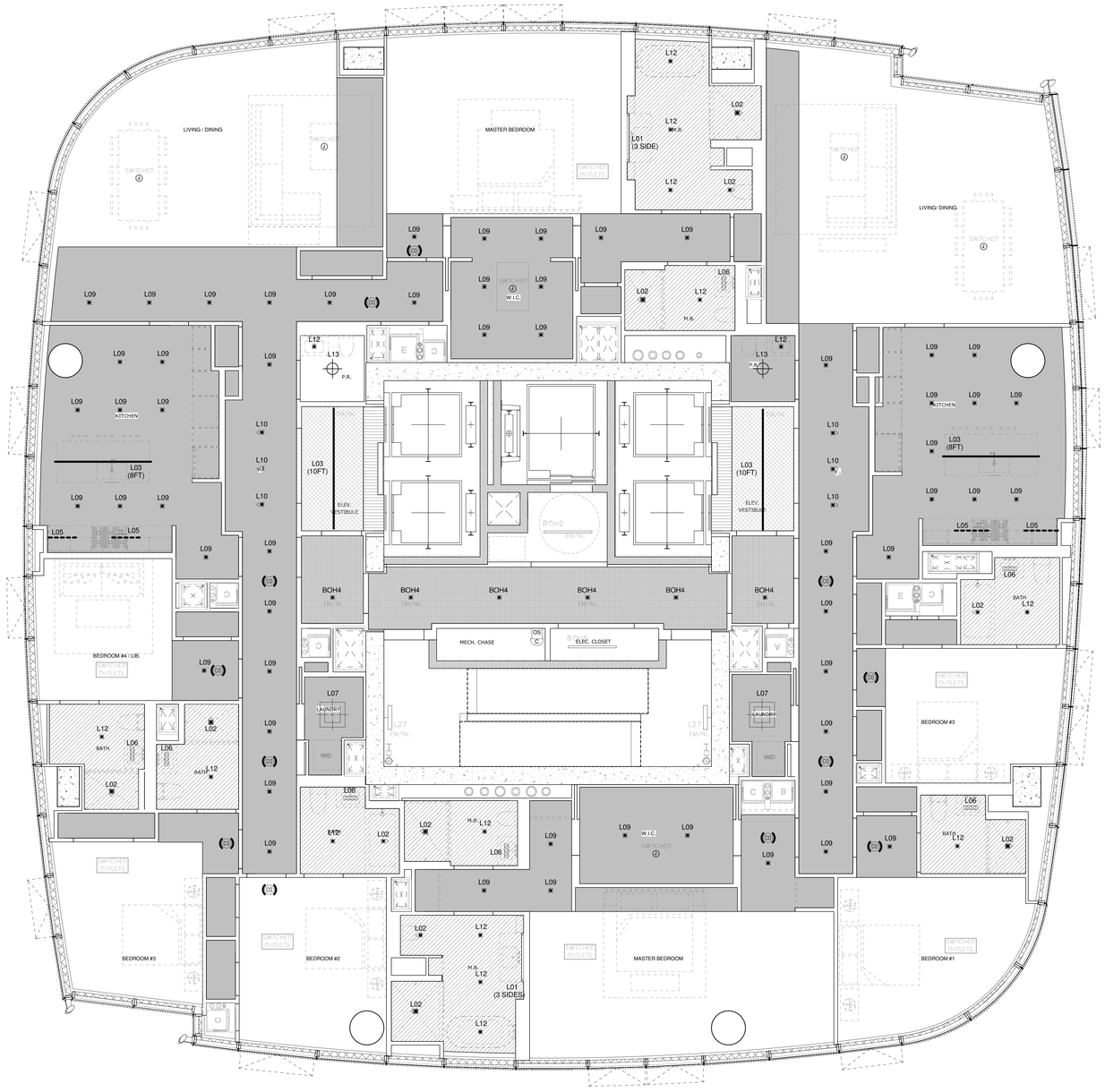
DWG TITLE:
45TH FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH STEPHEN HILL
026004
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-655.00

DEPT OF BLDGS 122132110 Job Number

E5442950985 Scan Code



CEILING LEGEND:

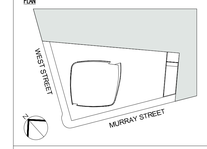
- CEILINGS/ SOFFITS TO BE AT 8'-9" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.0108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

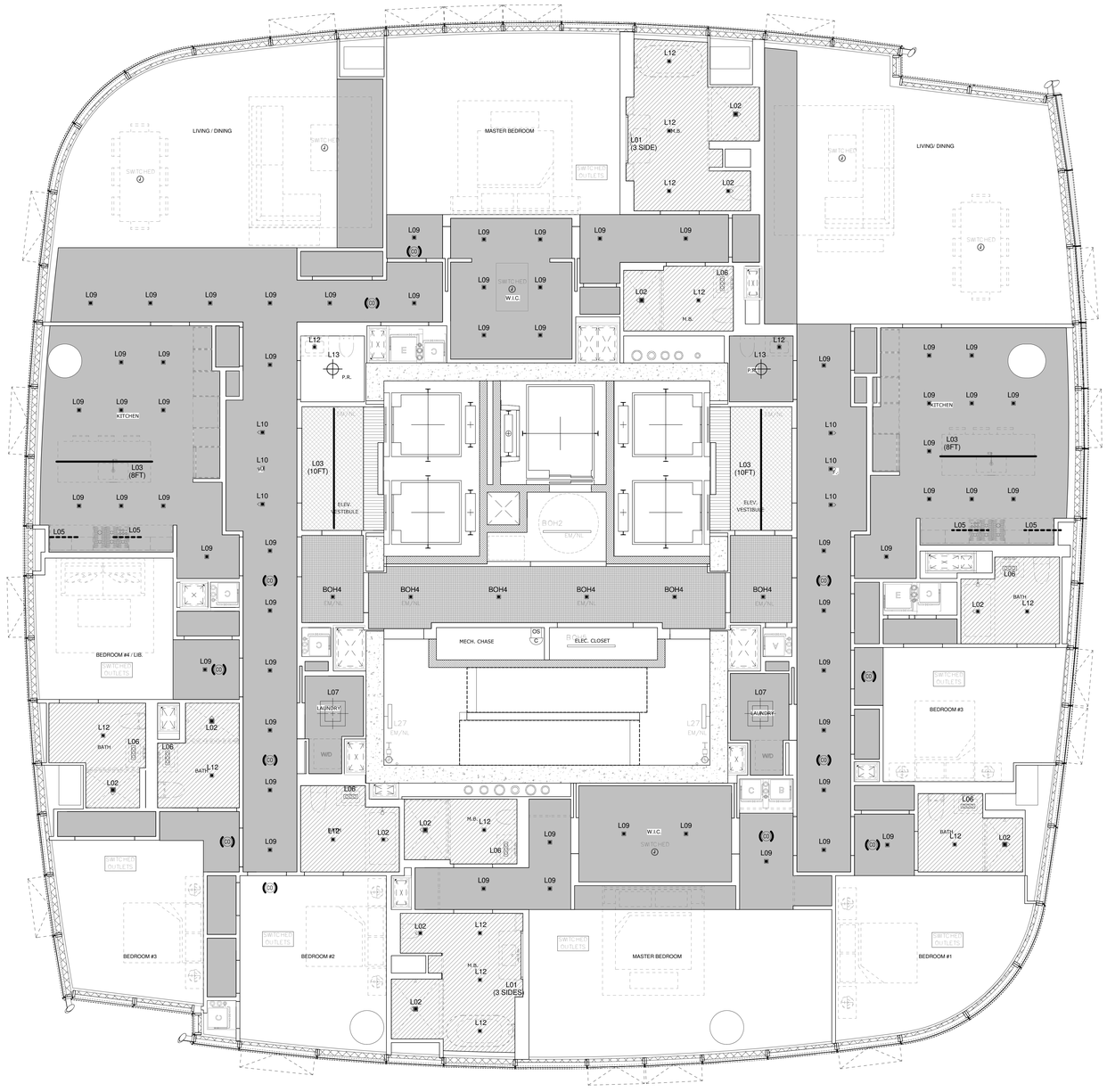
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
46TH FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOHN STEPHEN HILL
026004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-656.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
E0542810256 Scan Code



CEILING LEGEND:

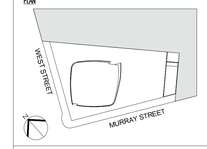
- CEILINGS/ SOFFITS TO BE AT 8'-9" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.0108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

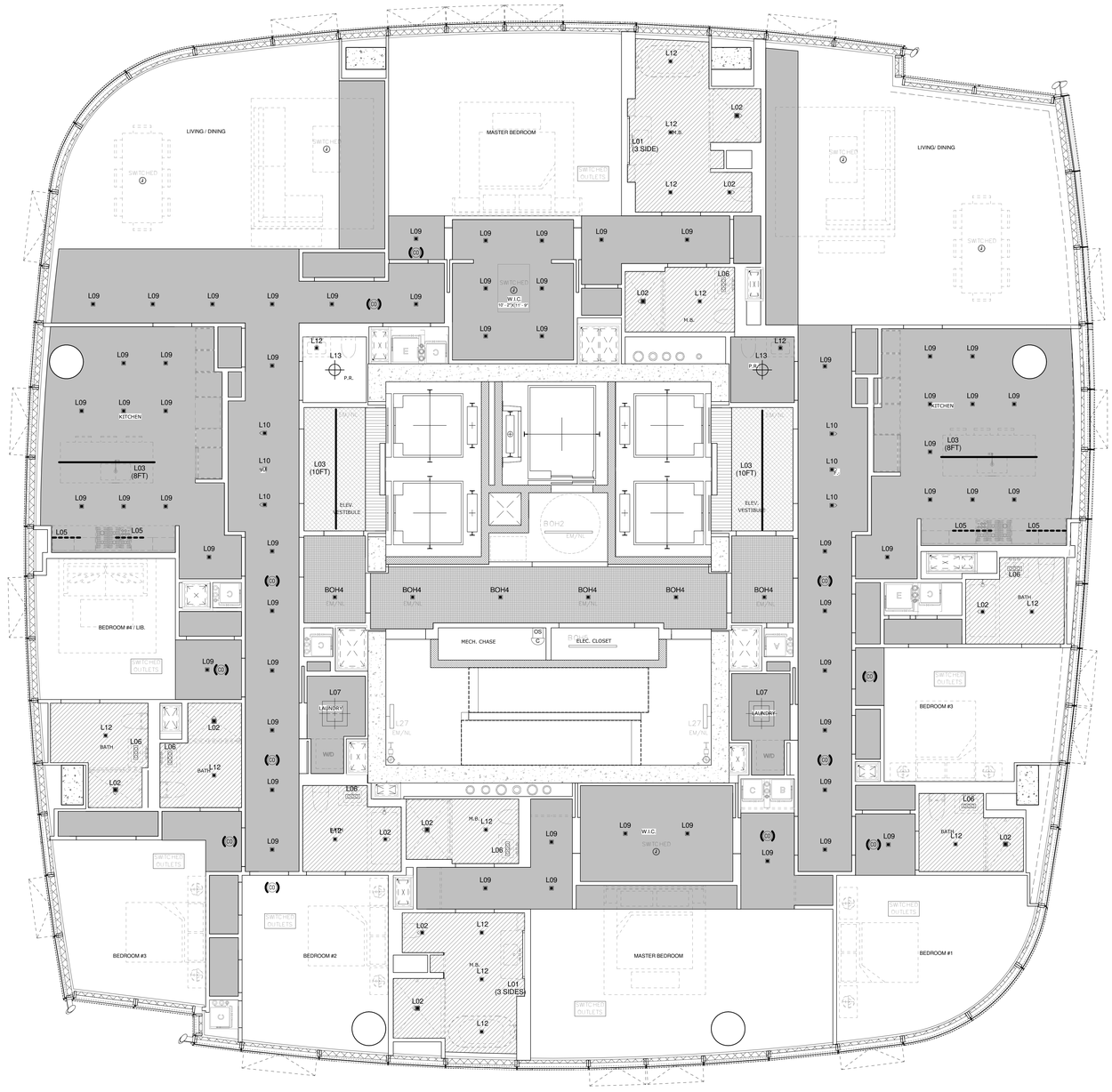
DWG TITLE:
47TH FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH STEPHEN HILL
026004
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-657.00

DEPT OF BLDGS 122132110 Job Number

E1629427205 Scan Code



CEILING LEGEND:

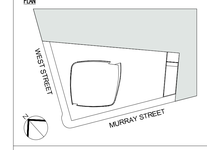
- CEILINGS/ SOFFITS TO BE AT 8'-9" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.0108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

NB# 122132110

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:

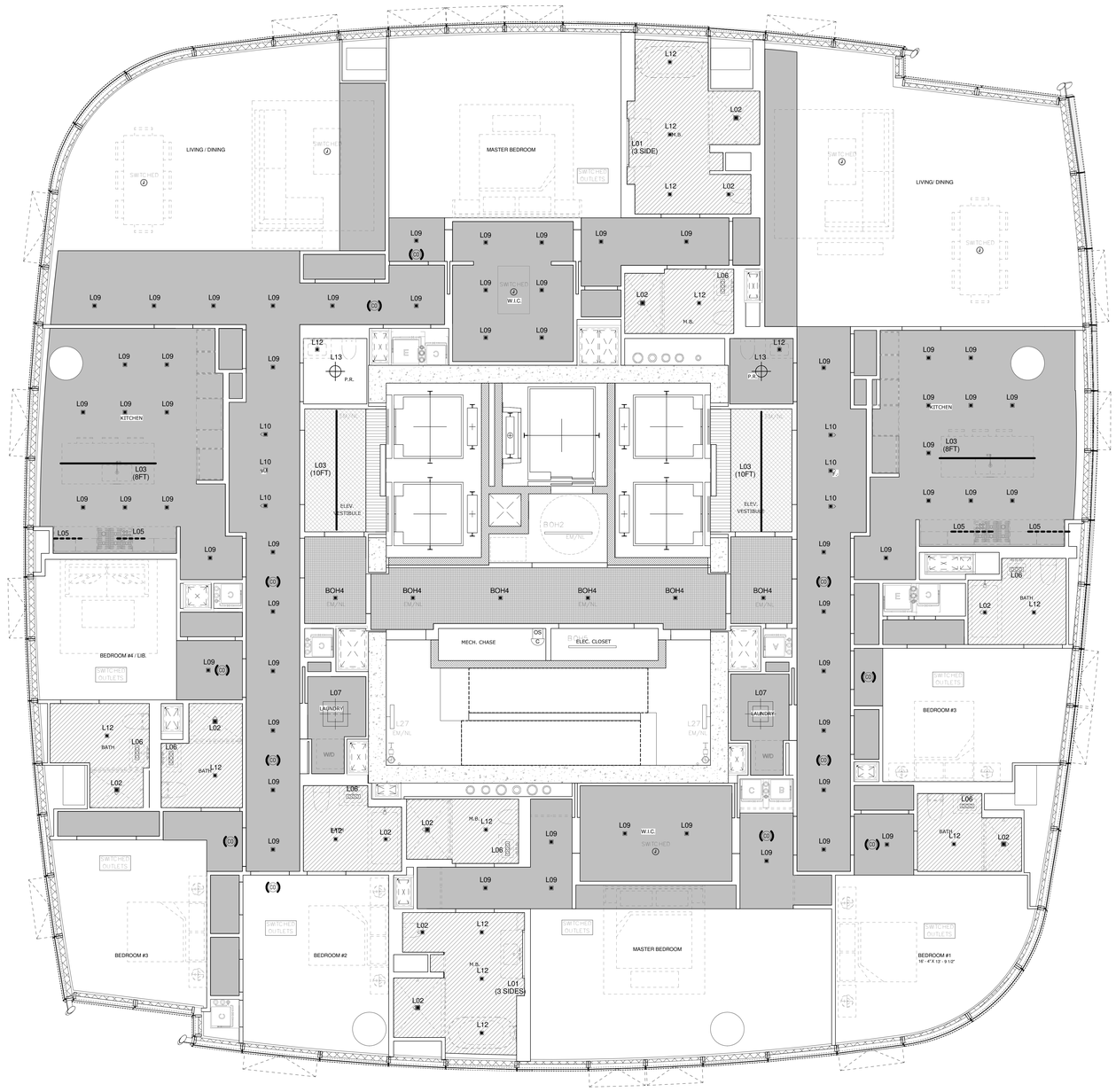
48TH FLOOR RCP

SEAL & SIGNATURE:

REGISTERED ARCHITECT
JOHN STEPHEN HILL
026004
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-658.00

DEPT OF BLDGS 122132110 Job Number
E350052339S3 Scan Code



CEILING LEGEND:

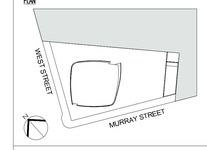
- CEILINGS/ SOFFITS TO BE AT 8'-9" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.0108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

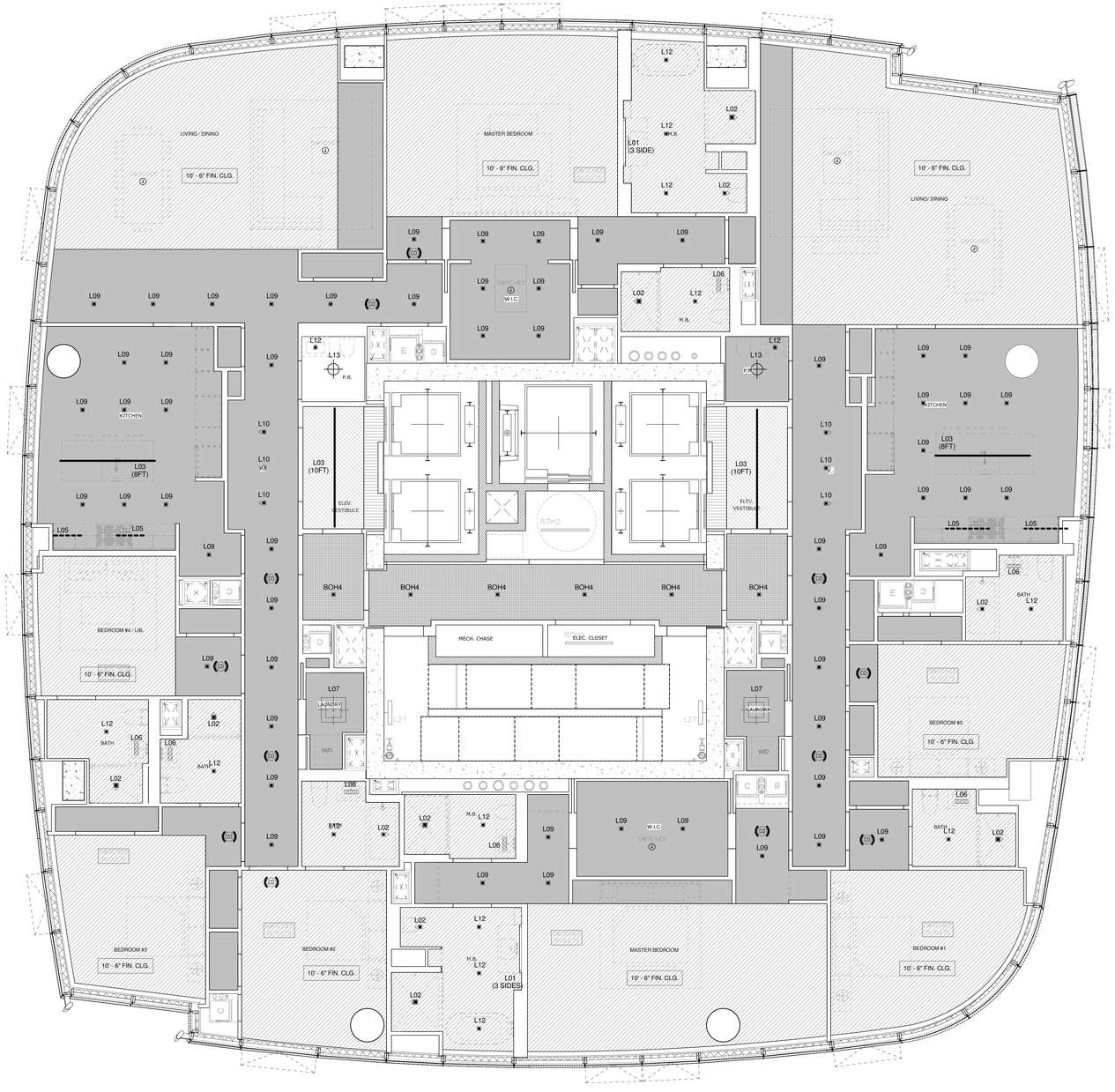
DWG TITLE:
49TH FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
026004
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-659.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number

ES301190057 Scan Code



CEILING LEGEND:

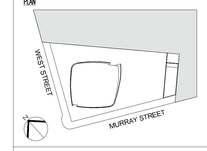
- CEILINGS/ SOFFITS TO BE AT 8'-9" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 9'-4" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT= 10'-6" TYP
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
50TH FLOOR RCP

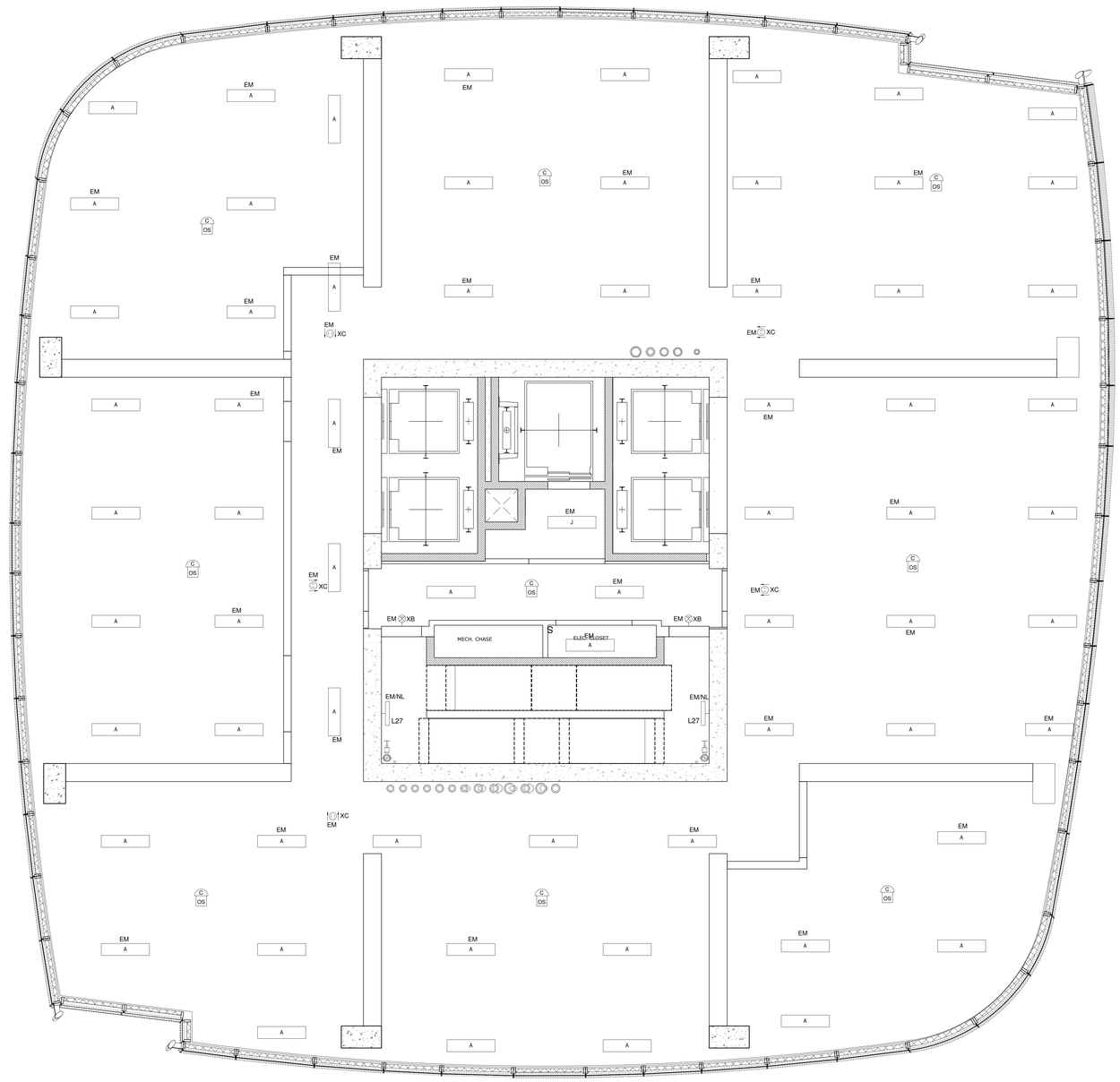
SEAL & SIGNATURE
REGISTERED ARCHITECT
DAVID STEPHEN WEST
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-660.00
DWG NO.

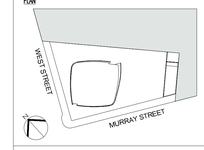
FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE A-018 FOR LIGHT FIXTURE SCHEDULE



KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

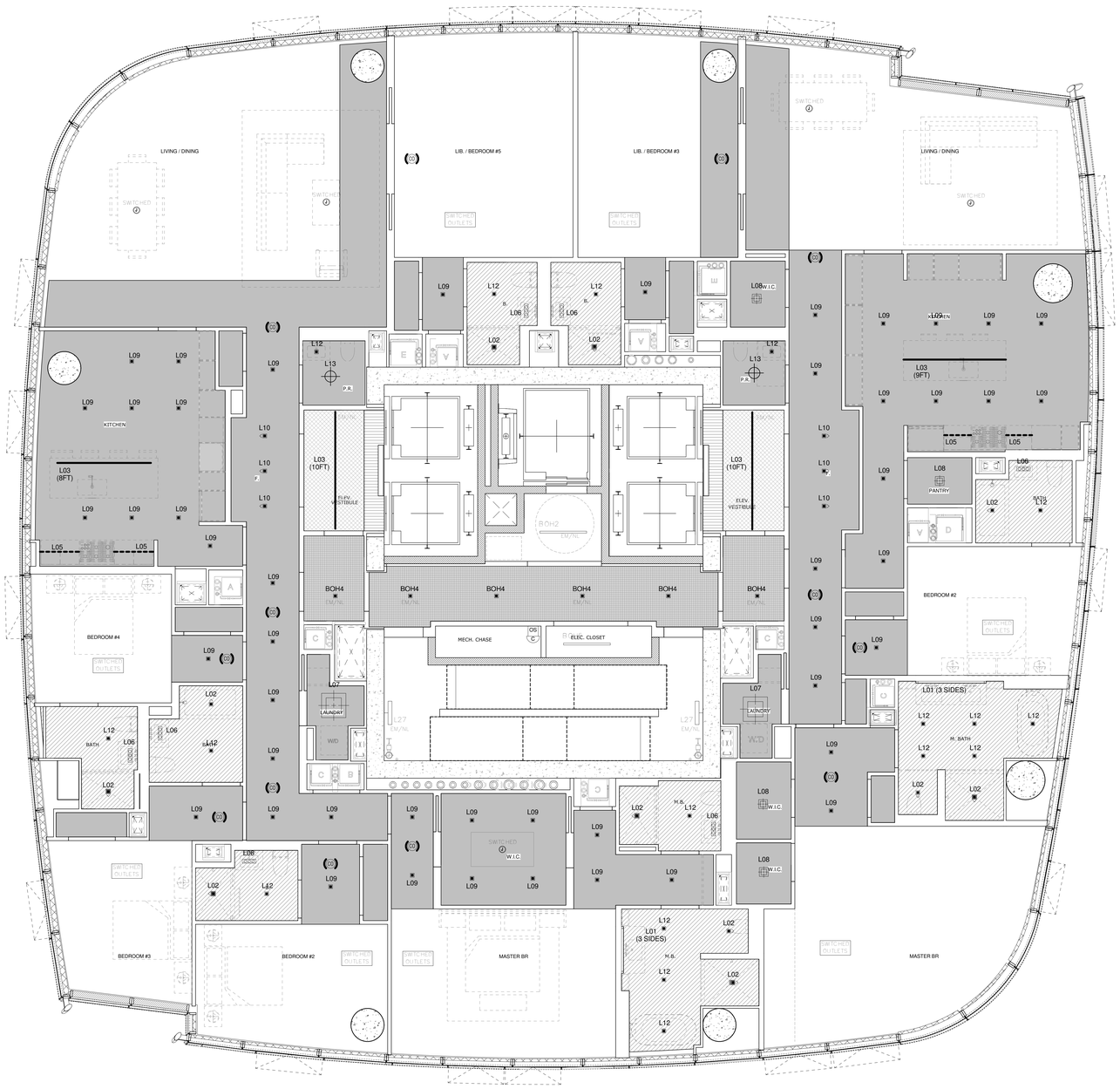
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
51ST FLOOR MECHANICAL RCP

SEAL & SIGNATURE
REGISTERED ARCHITECT
STEPHEN HILL
OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-661.00

DEPT OF BLDGS 122132110 Job Number
ES715480043 Scan Code



CEILING LEGEND:

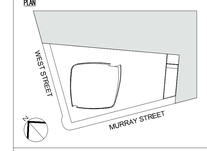
- CEILINGS/ SOFFITS TO BE AT 9'-6" AFF, UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 10'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT = 11'- 6 1/2"
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.0108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

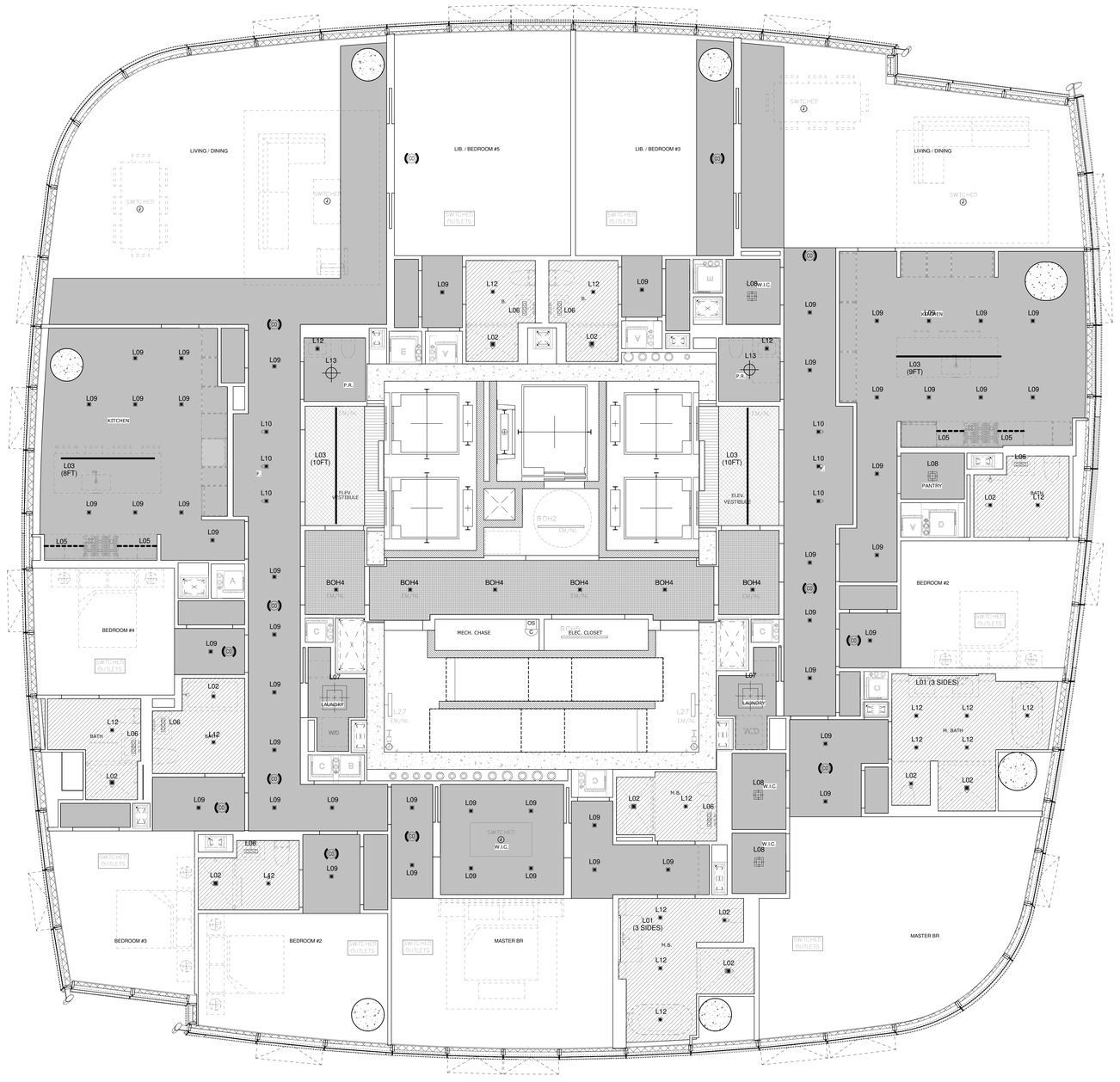
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
52ND FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
No. 026004
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-662.00

DEPT OF BLDGS 122132110 Job Number
ES1715SA05 Scan Code



CEILING LEGEND:

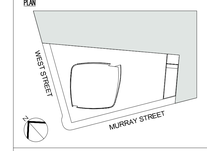
- CEILINGS/ SOFFITS TO BE AT 9'-6" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 10'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT = 11'- 6 1/2"
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.0108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

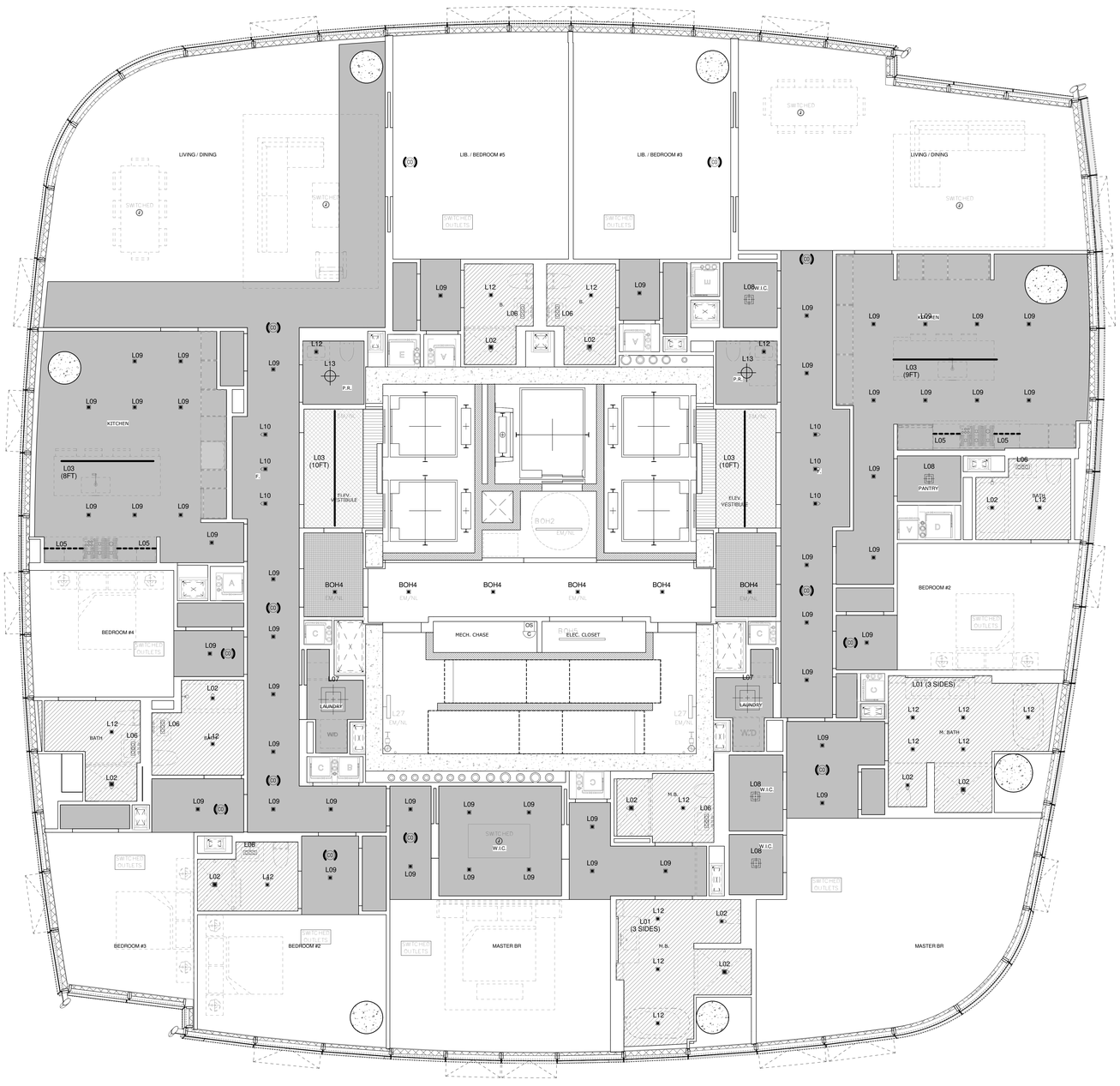
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
53RD FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN KLL WEST
No. 026004
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
	A-663.00
DWG NO.	

DEPT OF BLDGS 122132110 Job Number
E5002257303 Scan Code



CEILING LEGEND:

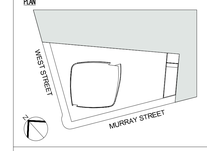
- CEILINGS/ SOFFITS TO BE AT 9'-6" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 10'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT = 11'- 6 1/2"
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

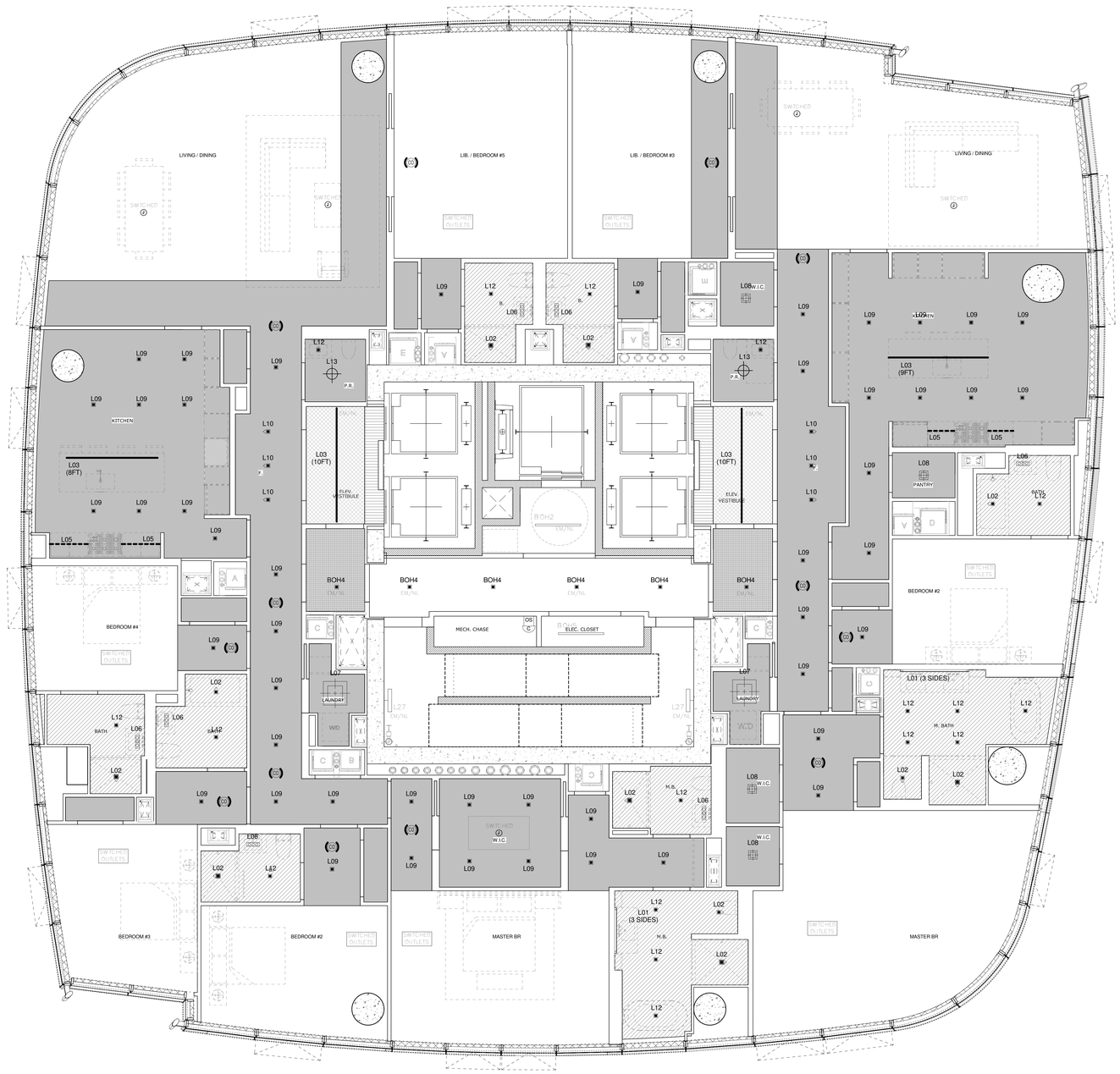
DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
54TH FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
NO. 035899
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-664.00

DEPT OF BLDGS 221132110 Job Number
E500302071065 Scan Code



CEILING LEGEND:

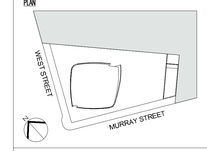
- CEILINGS/ SOFFITS TO BE AT 9'-6" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 10'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT = 11'- 6 1/2"
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

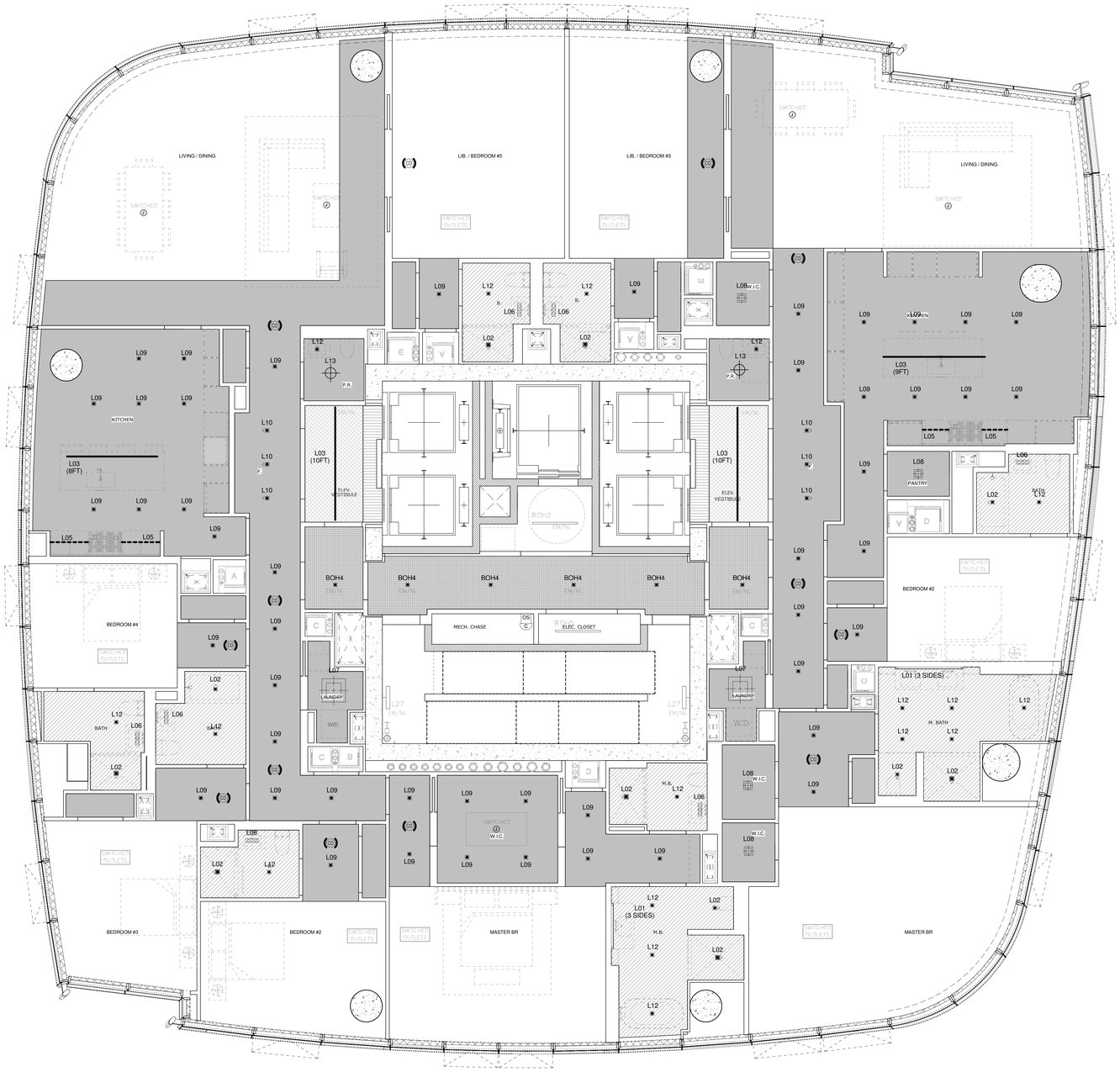
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
55TH FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN YU
No. 026094
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-665.00

DEPT OF BLDGS 122132110 Job Number
E3405805090 Scan Code



CEILING LEGEND:

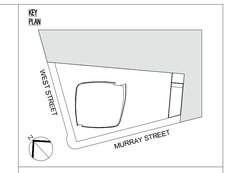
- CEILINGS/ SOFFITS TO BE AT 9'-6" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 10'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- KADEX PTD. CONCRETE CLG. HEIGHT = 11'- 2 1/2"
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

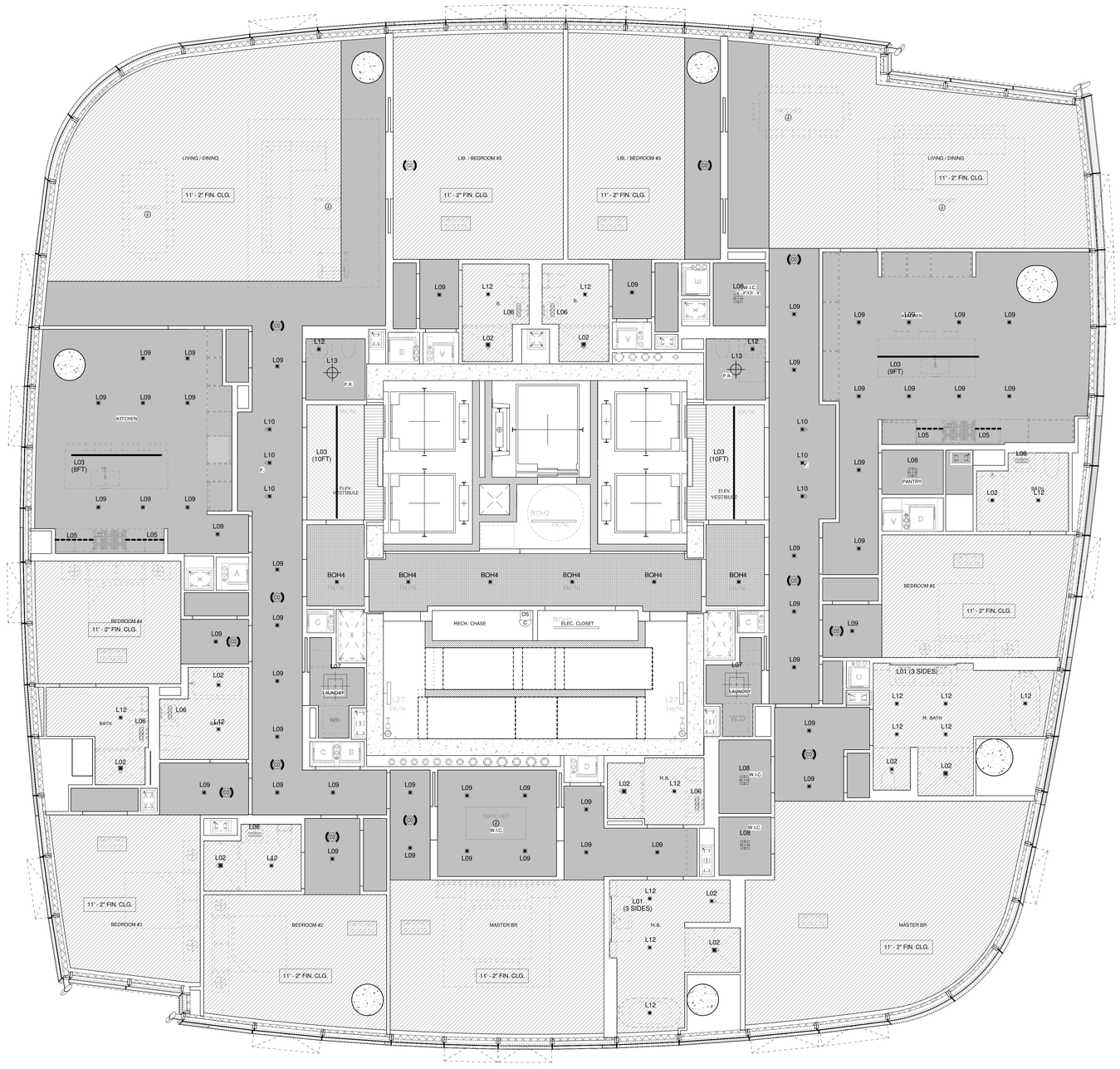
DWG TITLE:
56TH FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN NEIL
No. 026094
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-666.00

DEPT OF BLDGS 122132110 Job Number

E500035949SI Scan Code



CEILING LEGEND:

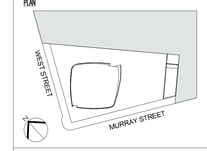
- CEILINGS/ SOFFITS TO BE AT 9'-6" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 11'-0" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.0108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

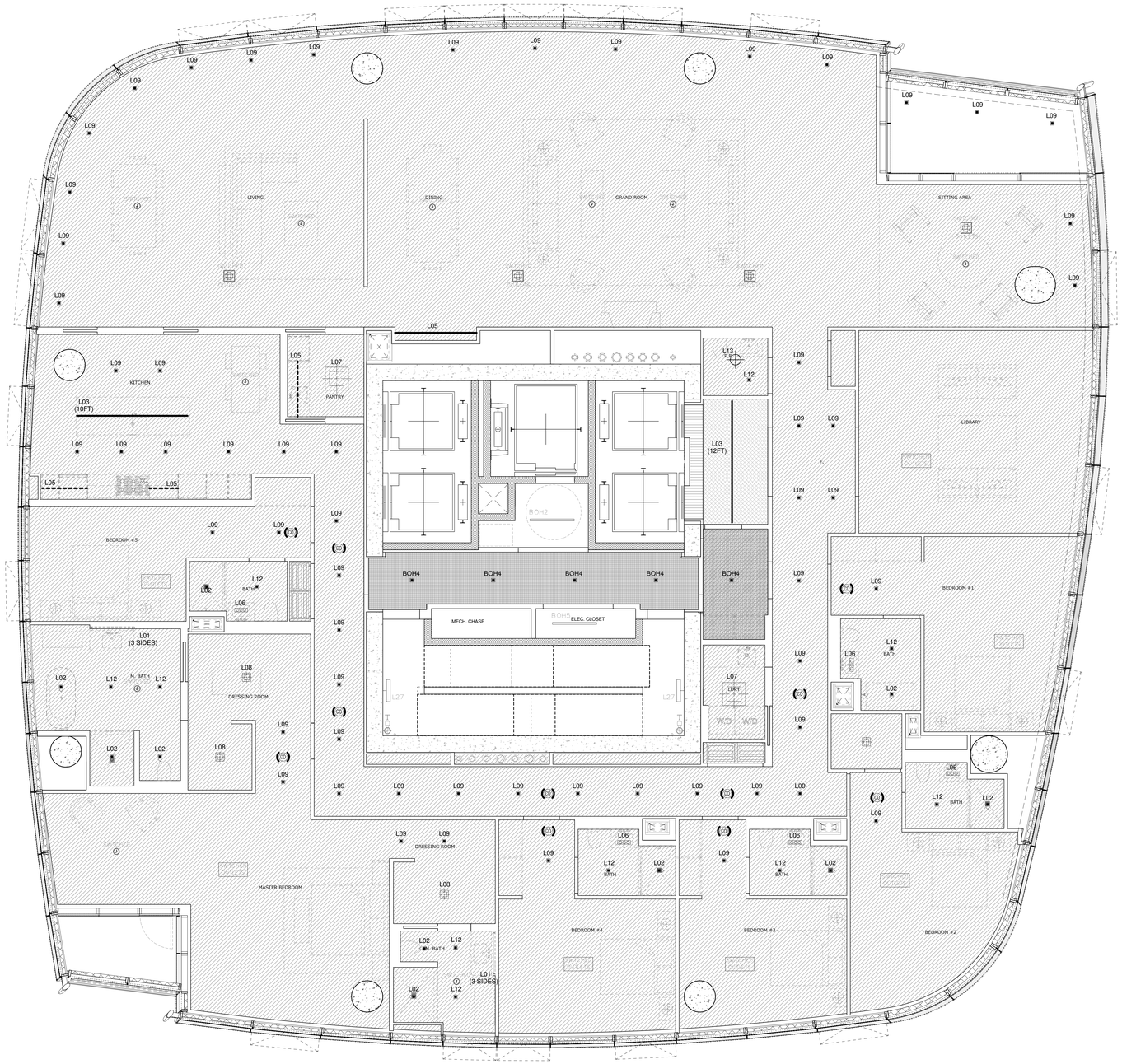
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
57TH FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT STEPHEN HILL 026004 STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-667.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number
ES2207759525 Scan Code



CEILING LEGEND:

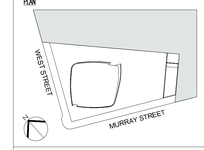
- CEILINGS/ SOFFITS TO BE AT 9'-6" AFF. UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 11'-0" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-9" AFF UNLESS OTHERWISE NOTED
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE

KEY PLAN



3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
58TH FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. GOLDSTEIN
CITY OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
DWG NO. A-668.00

DEPT OF BLDGS 122132110 Job Number
E350000851061 Scan Code

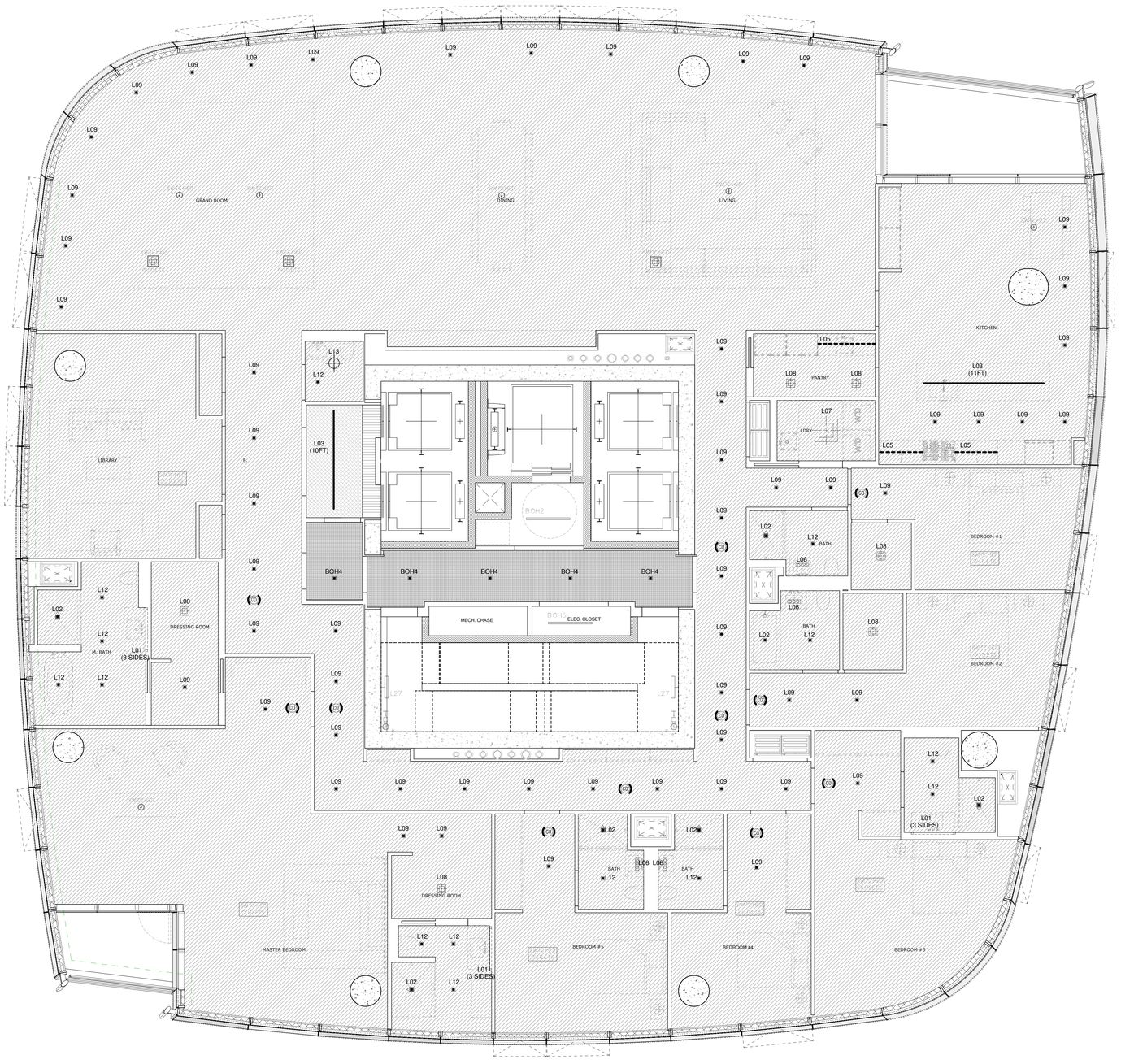
CEILING LEGEND:

- CEILINGS/ SOFFITS TO BE AT 11' AFF, UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 13'-0" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-6" AFF UNLESS OTHERWISE NOTED
- PTD. GYPSUM BOARD CLG. HEIGHT= 7'-3" AFF UNLESS OTHERWISE NOTED
- CEILING BY INTERIOR DESIGNER @ ELEV. VESTIBULE 9'-2" AFF

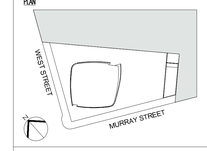
FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE DWG A-018 FOR LIGHT FIXTURE SCHEDULE



KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
59TH FLOOR RCP

SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN HILL
025004
STATE OF NEW YORK

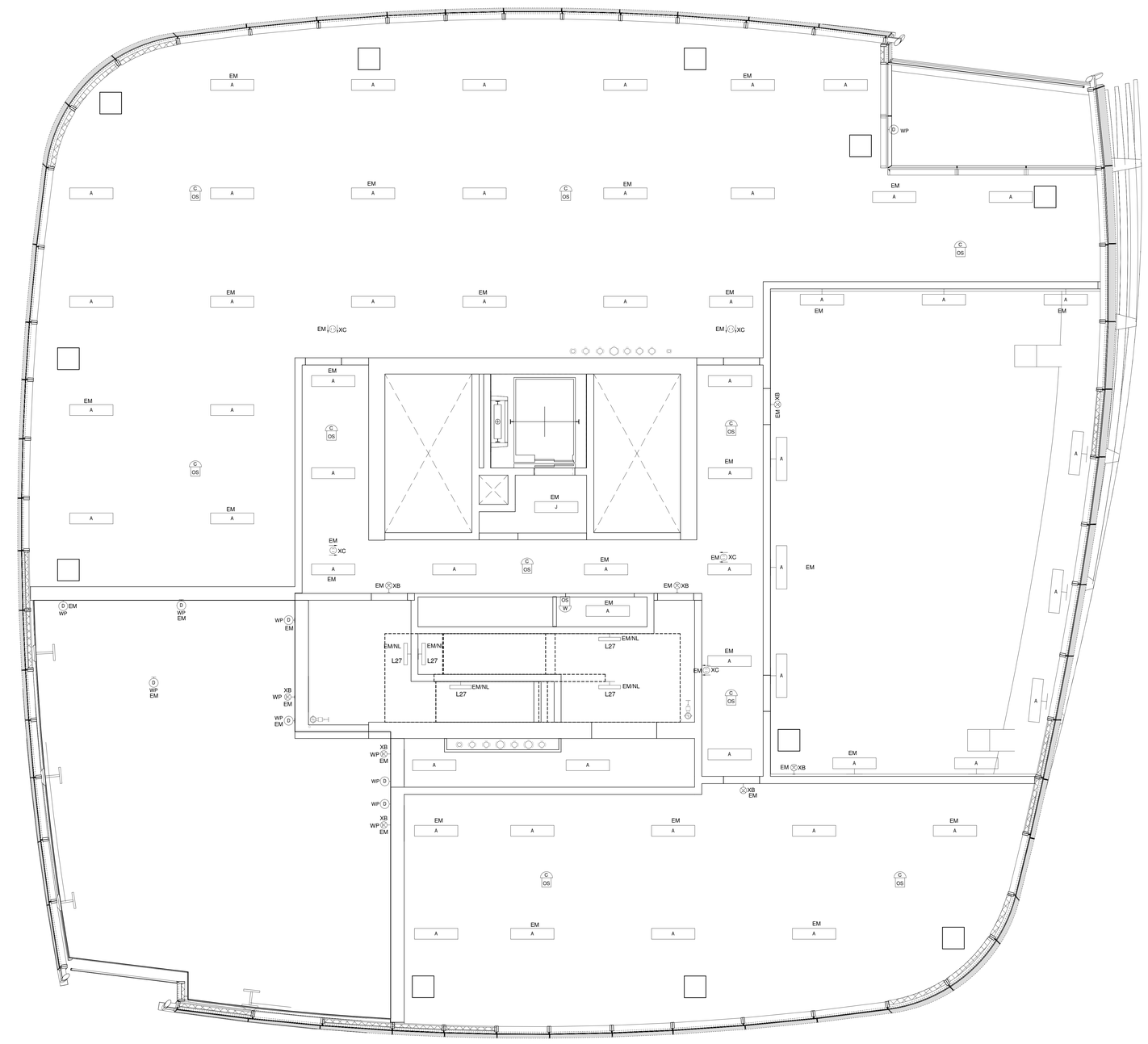
DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-669.00
DWG NO.

DEPT OF BLDGS 321323.10 Job Number
E3813757M36 Scan Code

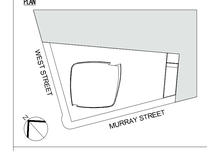
FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE A-018 FOR LIGHT FIXTURE SCHEDULE



KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
60TH FLOOR

SEAL & SIGNATURE
REGISTERED ARCHITECT
STEPHEN T. CORDA
STATE OF NEW YORK

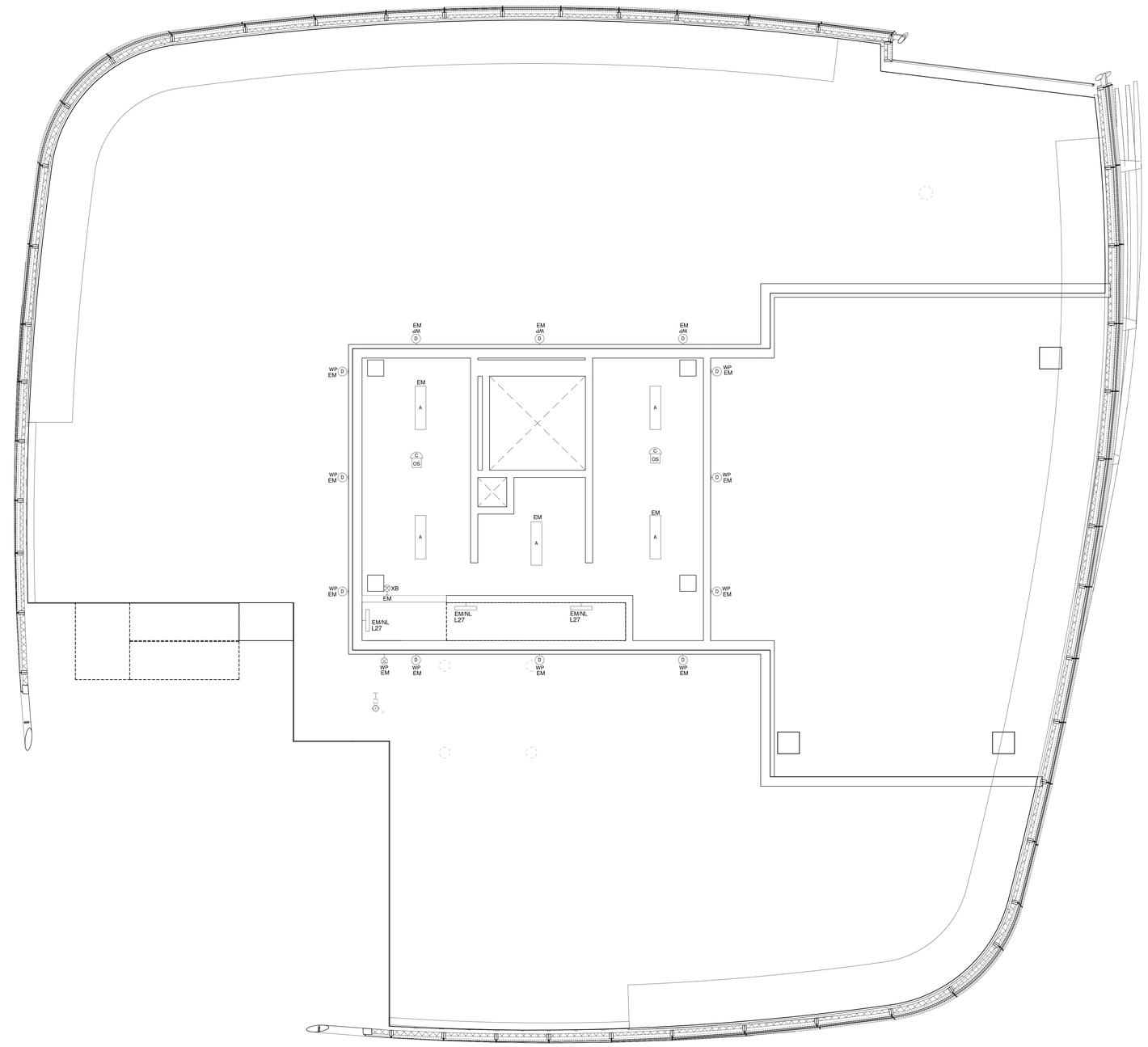
DATE:	09/15/14
PROJECT #:	13A26
SCALE:	As indicated
DWG NO.	A-670.00

DEPT OF BLDGS 121323120 Job Number
E500997570 Scan Code

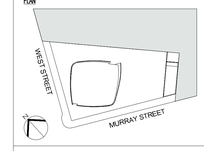
FIXTURE SYMBOL LEGEND:

- RECESSED LIGHT
- ADJUSTABLE RECESSED WALL WASHER
- MIRROR LIGHT (3 SIDES)
- LINEAR RECESSED LIGHT
- LINEAR SURFACE MOUNT LIGHT
- UNDERCABINET LIGHT
- RECESSED LED LAMP
- LINEAR LED ADA WALL SCONCE
- DECORATIVE PENDANT
- LED SQUARE LARGE SURFACE MOUNT
- SWITCHED J-BOX W/ COVERPLATE
- SWITCHED DUPLEX OUTLET
- SWITCHED FLOOR QUAD OUTLET
- CARBON MONOXIDE / SMOKE DETECTOR
- SURFACE/ PENDANT MOUNT INDUSTRIAL LIGHT
- CEILING MOUNT OCCUPANCY SENSOR

NOTE: SEE A-018 FOR LIGHT FIXTURE SCHEDULE



KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

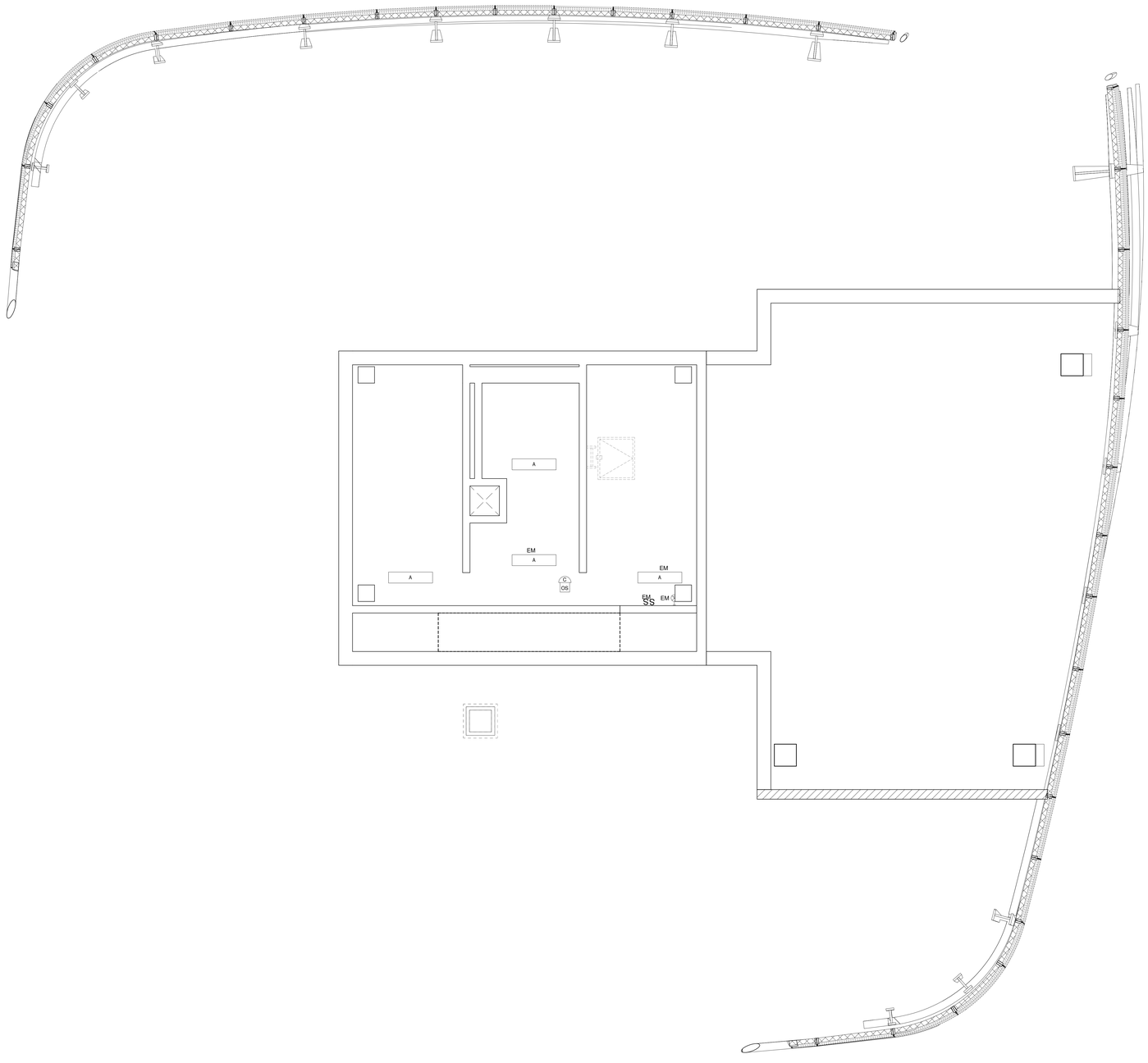
DWG TITLE:
61ST FLOOR (PEMR)

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
CITY OF NEW YORK

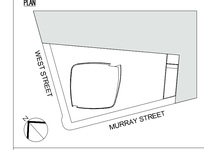
DATE: 09/15/14
PROJECT #: 13A26
SCALE: As indicated
A-671.00
DWG NO.

DEPT OF BLDGS 122132110 Job Number

E5137159445 Scan Code



KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
62ND FLOOR (SEMR)

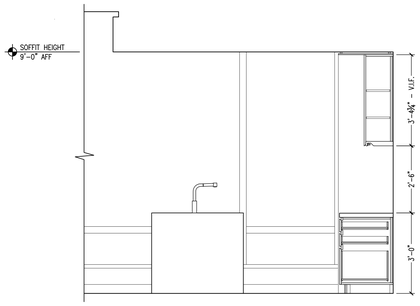
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/4" = 1'-0"
DWG NO.	A-672.00

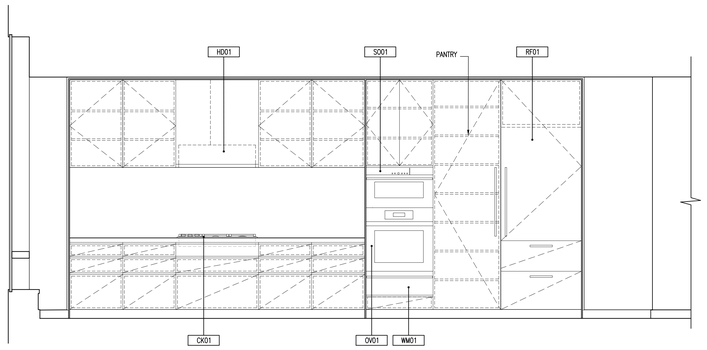
DEPT OF BLDGS 122132110 Job Number
E301695000979 Scan Code

KITCHEN NOTATION LEGEND:

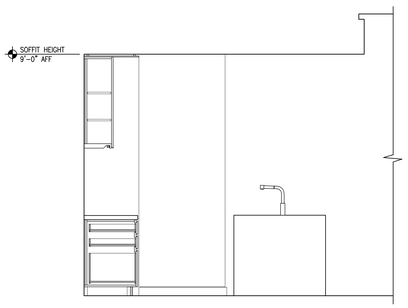
CF01	COFFEE SYSTEM	GD01	GARBAGE DISPOSAL	RF02	30" REFRIGERATOR COLUMN
CK01	36" COOKTOP	HD01	36" VENTILATION HOOD	RF03	30" REFRIGERATOR/FREEZER
CK02	30" COOKTOP	HD02	30" VENTILATION HOOD	SO01	30" STEAM OVEN
CK03	42" COOKTOP	HD03	42" VENTILATION HOOD	WM01	30" WARMING DRAWER
CK04	24" COOKTOP	HD04	24" VENTILATION HOOD	WN01	24" UC WINE STORAGE
DW01	24" DISHWASHER	IC01	15" UC ICE MAKER	WN02	15" UC WINE STORAGE
DW02	17.5" DISHWASHER	OV01	30" OVEN	WN03	27" WINE STORAGE COLUMN
FR01	18" FREEZER COLUMN	OV02	24" SPEED OVEN		
FR02	30" FREEZER COLUMN	RF01	36" REFRIGERATOR/FREEZER		



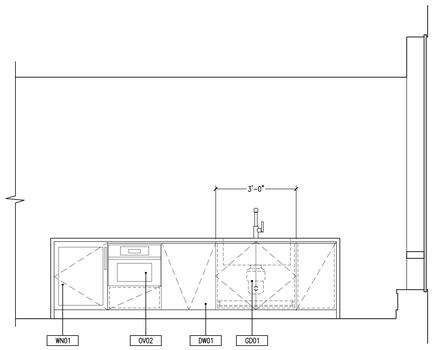
12 ELEVATION
SCALE: 1/2" = 1'-0" A-700.DWG



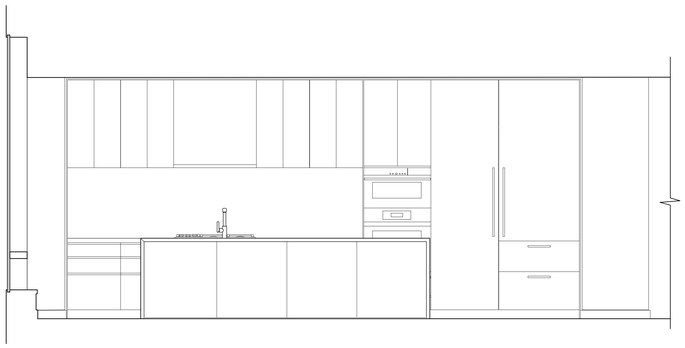
11 ELEVATION
SCALE: 1/2" = 1'-0" A-700.DWG



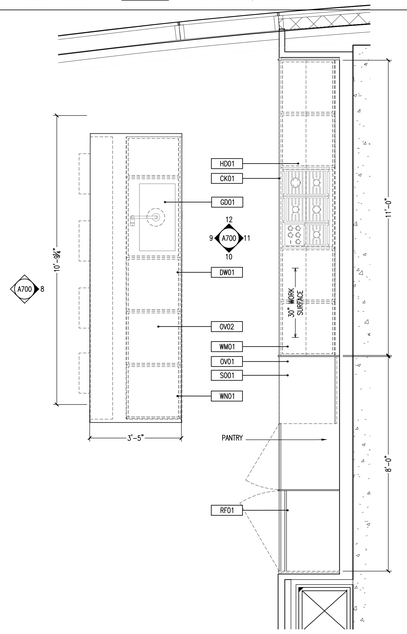
10 ELEVATION
SCALE: 1/2" = 1'-0" A-700.DWG



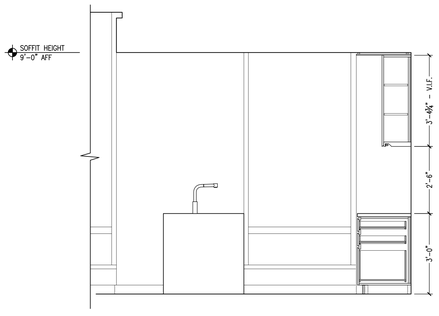
9 ELEVATION
SCALE: 1/2" = 1'-0" A-700.DWG



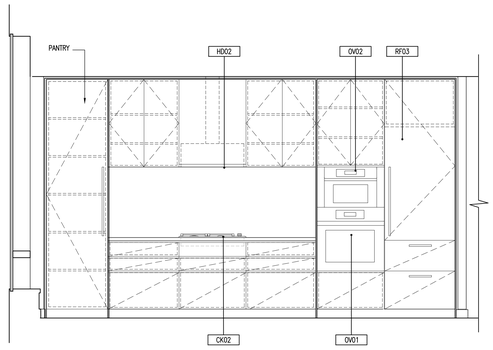
8 ELEVATION
SCALE: 1/2" = 1'-0" A-700.DWG



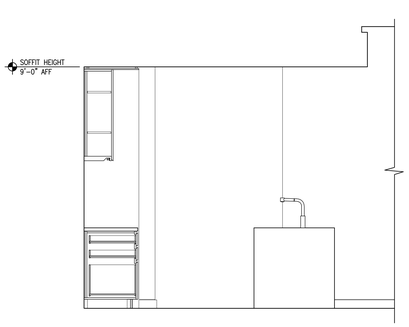
7 KITCHEN PLAN, FLOOR 4-11 & 28-39, WEST
SCALE: 1/2" = 1'-0" A-700.DWG



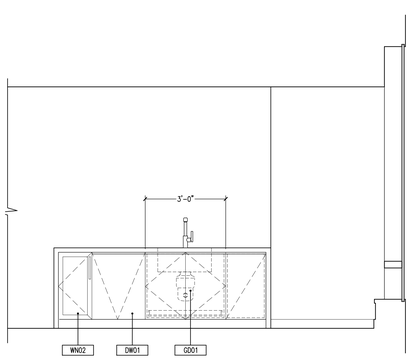
6 ELEVATION
SCALE: 1/2" = 1'-0" A-700.DWG



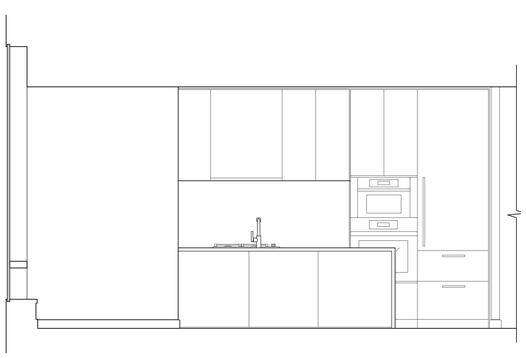
5 ELEVATION
SCALE: 1/2" = 1'-0" A-700.DWG



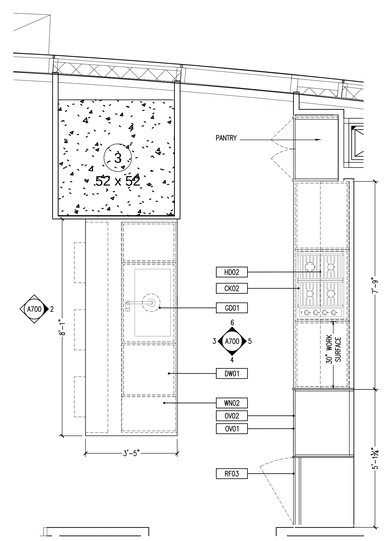
4 ELEVATION
SCALE: 1/2" = 1'-0" A-700.DWG



3 ELEVATION
SCALE: 1/2" = 1'-0" A-700.DWG

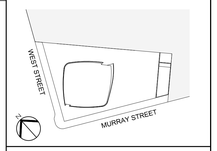


2 ELEVATION
SCALE: 1/2" = 1'-0" A-700.DWG



1 KITCHEN PLAN, FLOOR 4-11, UNIT A
SCALE: 1/2" = 1'-0" A-700.DWG

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

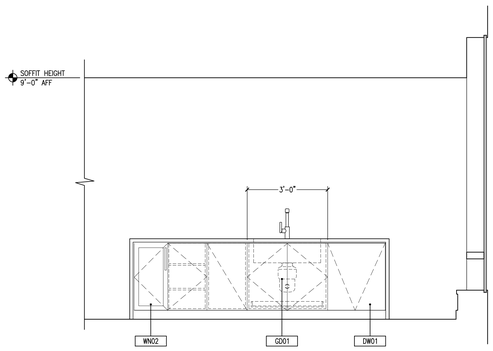
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
KITCHEN ELEVATIONS

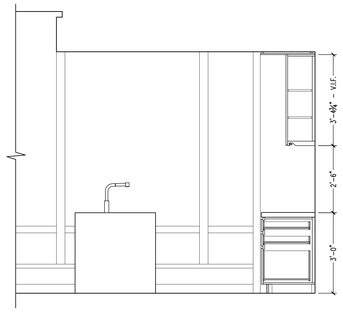
SEAL & SIGNATURE:
REGISTERED ARCHITECT STEPHEN WEST 022 STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/2" = 1'-0"
DWG NO.	A-700.00

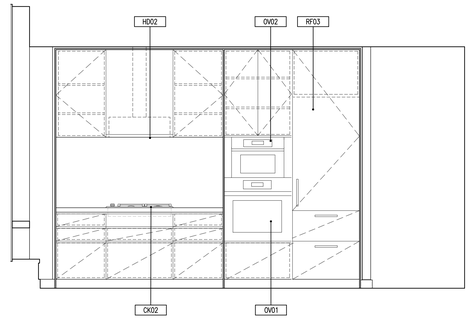
DEPT OF BLDGS 122132110 Job Number
E3445480024 Scan Code



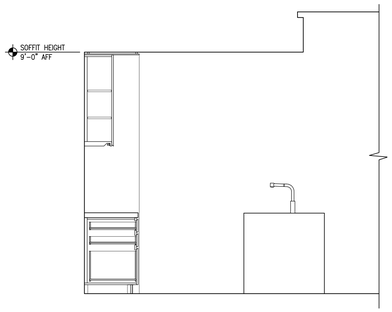
12 ELEVATION
SCALE: 1/2" = 1'-0" A-701.DWG



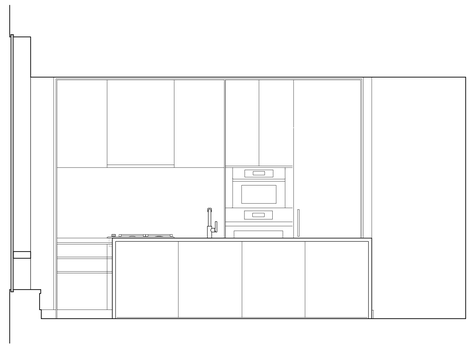
11 ELEVATION
SCALE: 1/2" = 1'-0" A-701.DWG



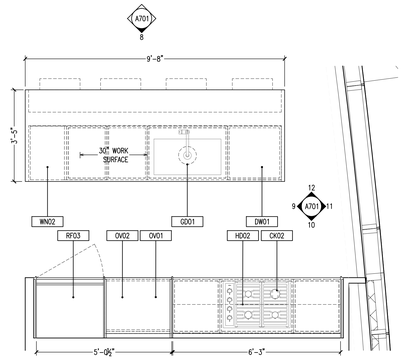
10 ELEVATION
SCALE: 1/2" = 1'-0" A-701.DWG



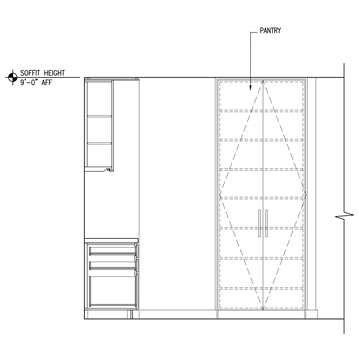
9 ELEVATION
SCALE: 1/2" = 1'-0" A-701.DWG



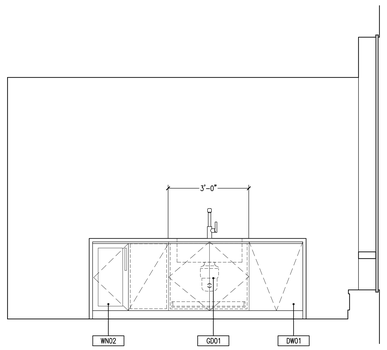
8 ELEVATION
SCALE: 1/2" = 1'-0" A-701.DWG



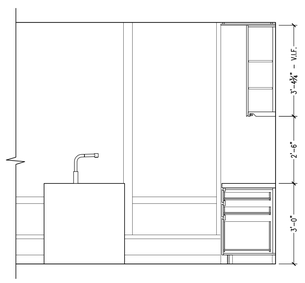
7 KITCHEN PLAN, FLOOR 4-11, UNIT B
SCALE: 1/2" = 1'-0" A-701.DWG



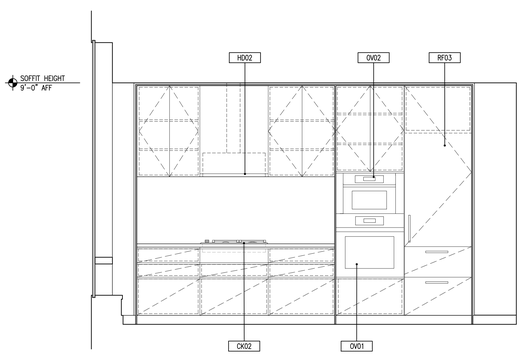
6 ELEVATION
SCALE: 1/2" = 1'-0" A-701.DWG



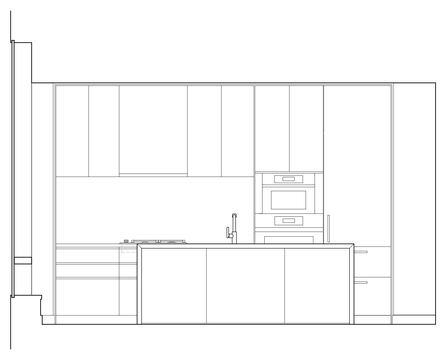
5 ELEVATION
SCALE: 1/2" = 1'-0" A-701.DWG



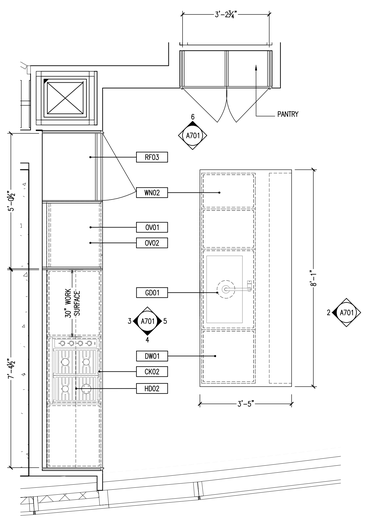
4 ELEVATION
SCALE: 1/2" = 1'-0" A-701.DWG



3 ELEVATION
SCALE: 1/2" = 1'-0" A-701.DWG

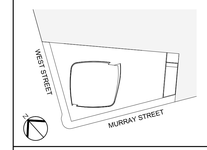


2 ELEVATION
SCALE: 1/2" = 1'-0" A-701.DWG



1 KITCHEN PLAN, FLOOR 4-11, UNIT C
SCALE: 1/2" = 1'-0" A-701.DWG

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

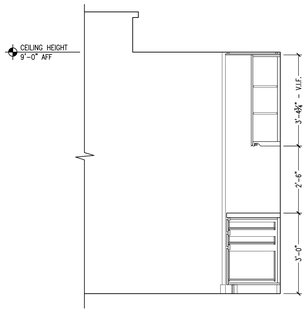
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
KITCHEN ELEVATIONS

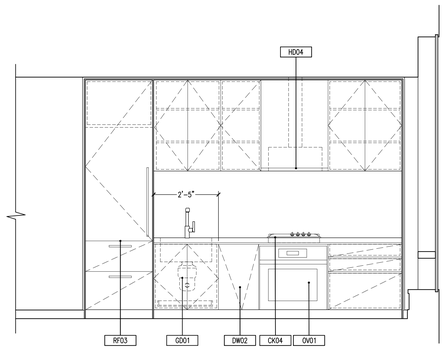
SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN WEST
No. 026904
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/2" = 1'-0"
DWG NO: A-701.00

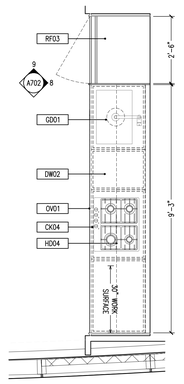
DEPT OF BLDGS 122132110 Job Number
ES5978510946 Scan Code



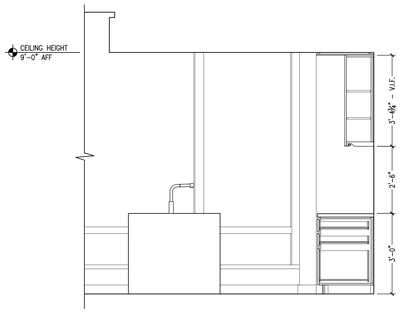
9 ELEVATION
SCALE: 1/2" = 1'-0" A-702.DWG



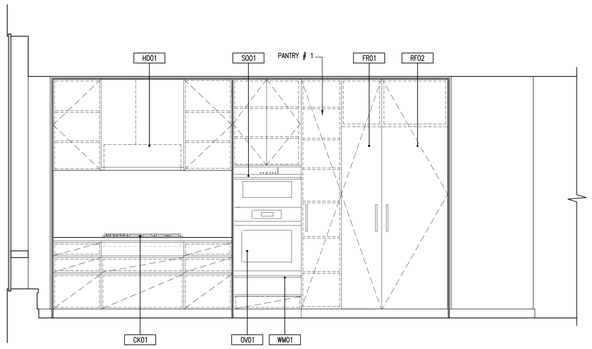
8 ELEVATION
SCALE: 1/2" = 1'-0" A-702.DWG



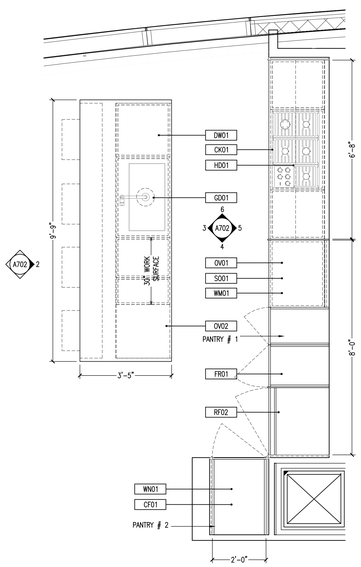
7 KITCHEN PLAN, FLOOR 4-11, UNIT D
SCALE: 1/2" = 1'-0" A-702.DWG



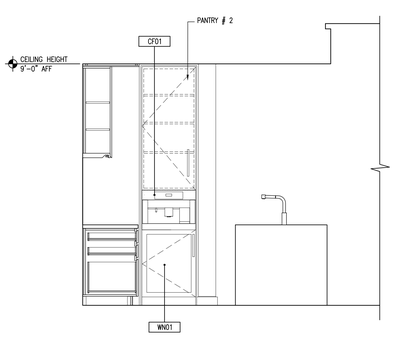
6 ELEVATION
SCALE: 1/2" = 1'-0" A-702.DWG



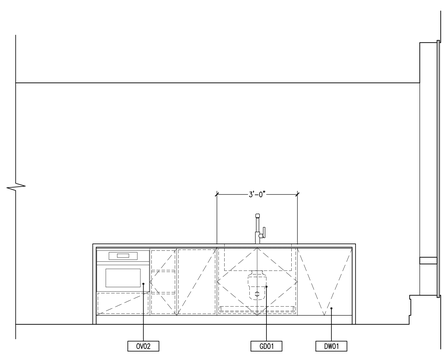
5 ELEVATION
SCALE: 1/2" = 1'-0" A-702.DWG



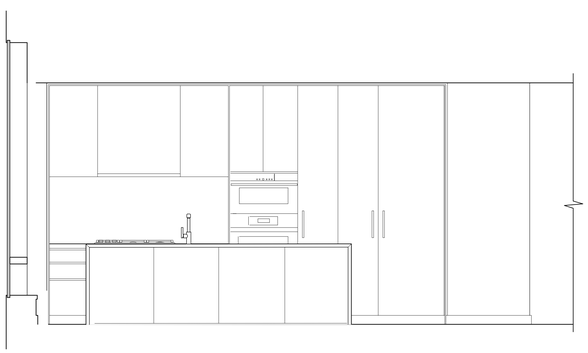
1 KITCHEN PLAN, FLOOR 12-26, WEST
SCALE: 1/2" = 1'-0" A-702.DWG



4 ELEVATION
SCALE: 1/2" = 1'-0" A-702.DWG

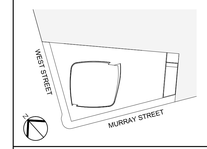


3 ELEVATION
SCALE: 1/2" = 1'-0" A-702.DWG



2 ELEVATION
SCALE: 1/2" = 1'-0" A-702.DWG

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

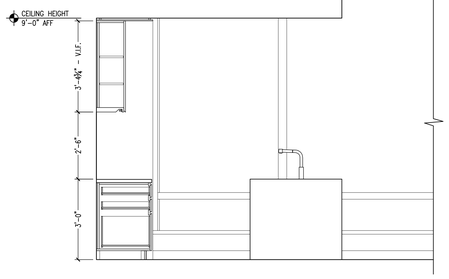
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
KITCHEN ELEVATIONS

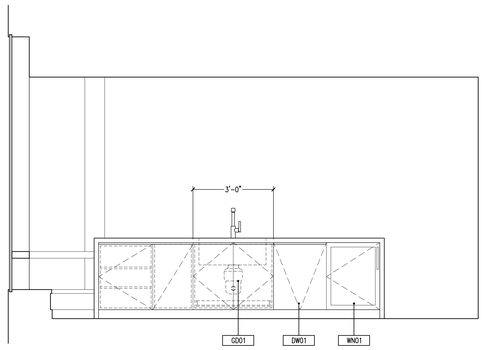
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN M. LO
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/2" = 1'-0"
A-702.00
DWG NO.

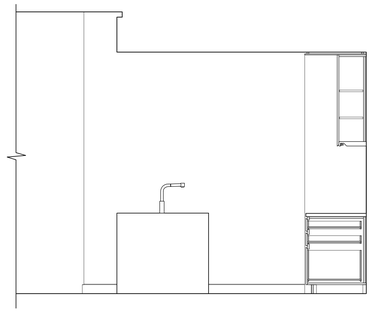
DEPT OF BLDGS 122132110 Job Number
ES1600114R Scan Code



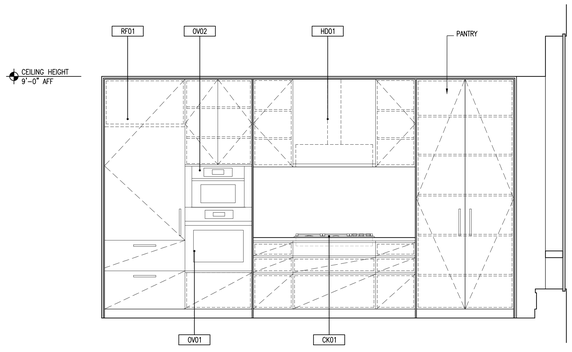
12 ELEVATION
SCALE: 1/2" = 1'-0" A-703.DWG



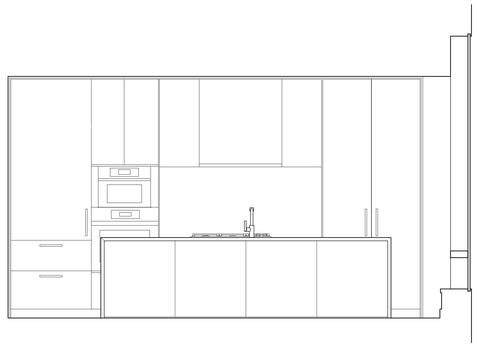
11 ELEVATION
SCALE: 1/2" = 1'-0" A-703.DWG



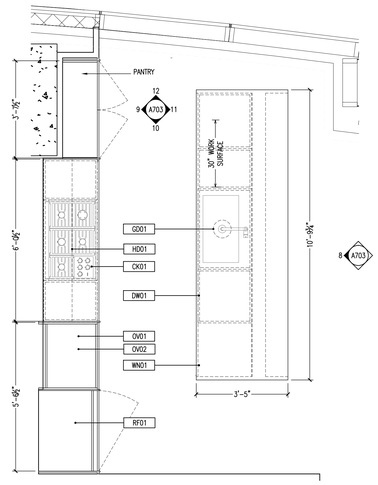
10 ELEVATION
SCALE: 1/2" = 1'-0" A-703.DWG



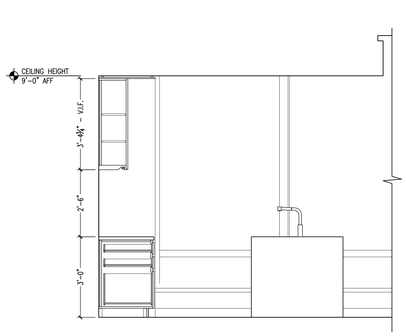
9 ELEVATION
SCALE: 1/2" = 1'-0" A-703.DWG



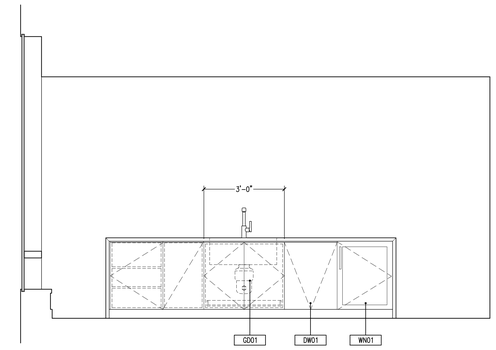
8 ELEVATION
SCALE: 1/2" = 1'-0" A-703.DWG



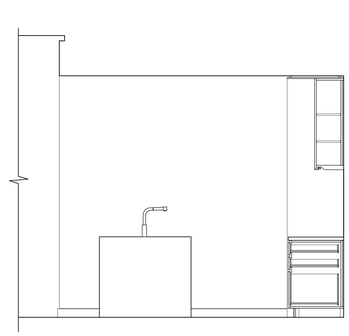
7 KITCHEN PLAN, FLOOR 12, UNIT A
SCALE: 1/2" = 1'-0" A-703.DWG



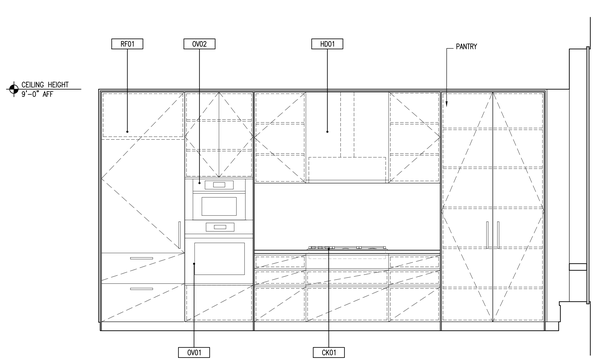
6 ELEVATION
SCALE: 1/2" = 1'-0" A-703.DWG



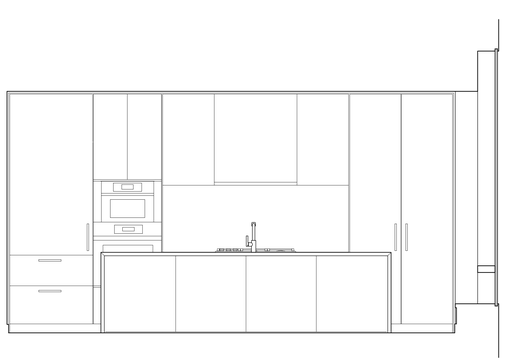
5 ELEVATION
SCALE: 1/2" = 1'-0" A-703.DWG



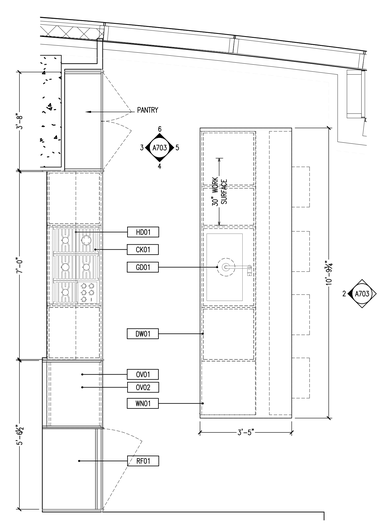
4 ELEVATION
SCALE: 1/2" = 1'-0" A-703.DWG



3 ELEVATION
SCALE: 1/2" = 1'-0" A-703.DWG

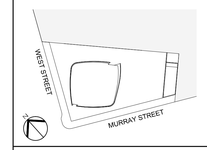


2 ELEVATION
SCALE: 1/2" = 1'-0" A-703.DWG



1 KITCHEN PLAN, FLOOR 13-26, UNIT A
SCALE: 1/2" = 1'-0" A-703.DWG

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

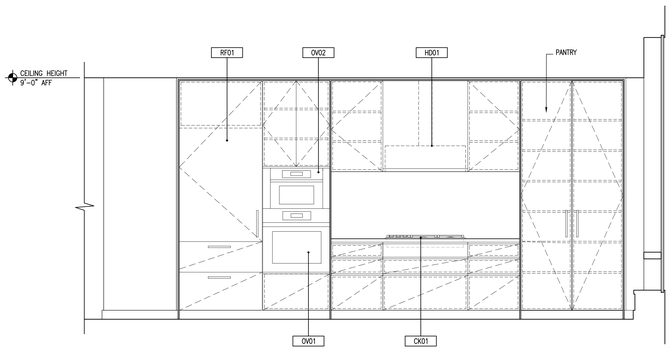
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
KITCHEN ELEVATIONS

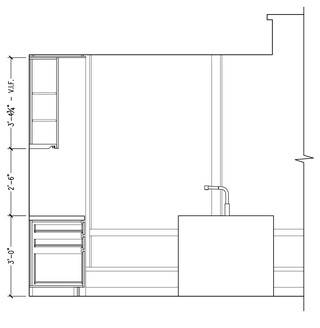
SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN WEST
029470
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/2" = 1'-0"
DWG NO.	A-703.00

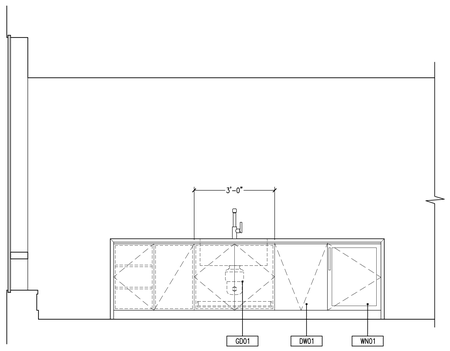
DEPT OF BLDGS 122132110 Job Number
E2002037373 Scan Code



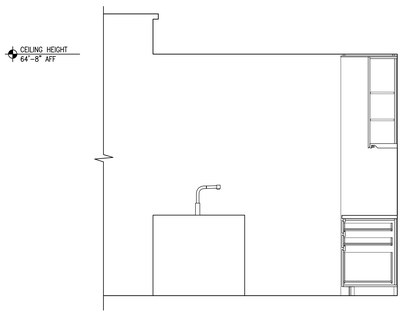
12 ELEVATION
SCALE: 1/2" = 1'-0" A-704.DWG



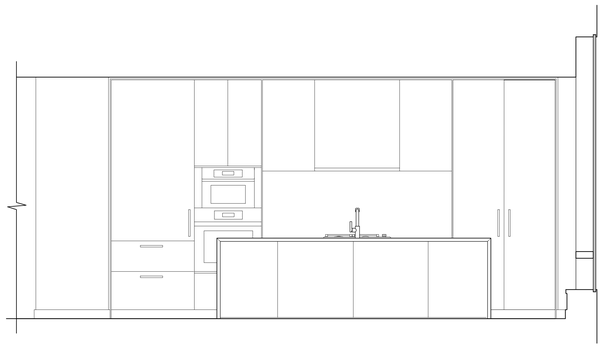
11 ELEVATION
SCALE: 1/2" = 1'-0" A-704.DWG



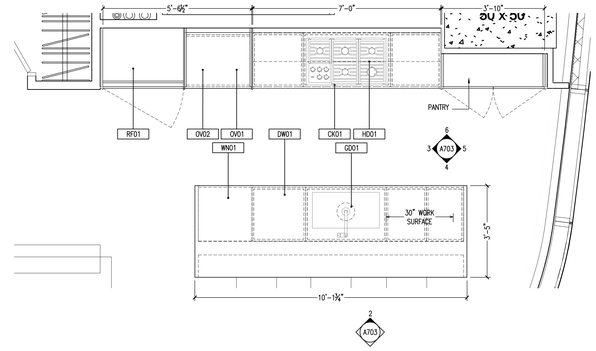
10 ELEVATION
SCALE: 1/2" = 1'-0" A-704.DWG



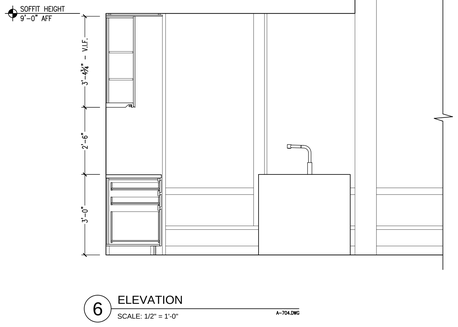
9 ELEVATION
SCALE: 1/2" = 1'-0" A-704.DWG



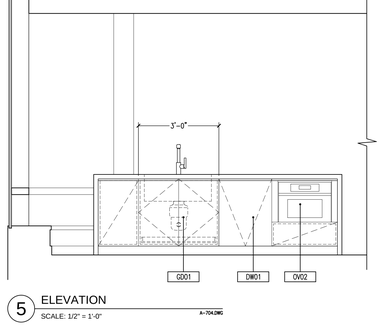
8 ELEVATION
SCALE: 1/2" = 1'-0" A-704.DWG



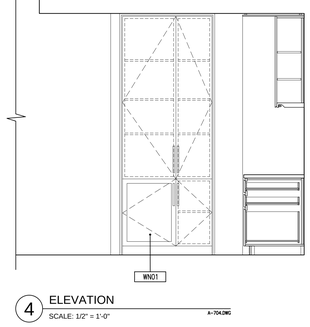
7 KITCHEN PLAN, FLOOR 12-26, UNIT B
SCALE: 1/2" = 1'-0" A-704.DWG



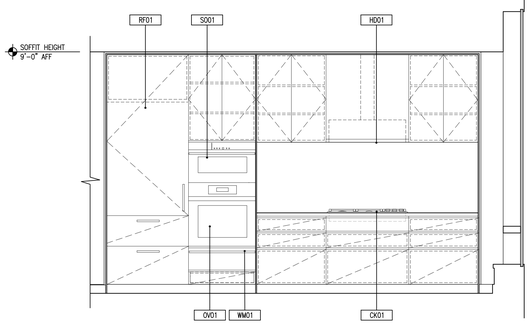
6 ELEVATION
SCALE: 1/2" = 1'-0" A-704.DWG



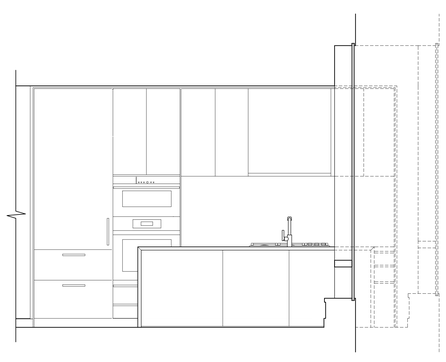
5 ELEVATION
SCALE: 1/2" = 1'-0" A-704.DWG



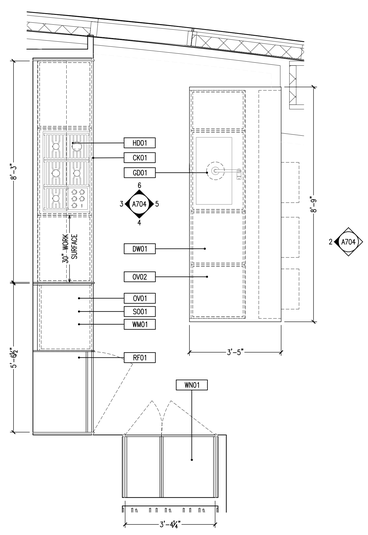
4 ELEVATION
SCALE: 1/2" = 1'-0" A-704.DWG



3 ELEVATION
SCALE: 1/2" = 1'-0" A-704.DWG

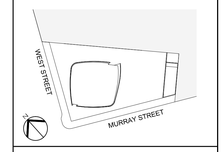


2 ELEVATION
SCALE: 1/2" = 1'-0" A-704.DWG



1 KITCHEN PLAN, FLOOR 28-39, UNIT A
SCALE: 1/2" = 1'-0" A-704.DWG

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

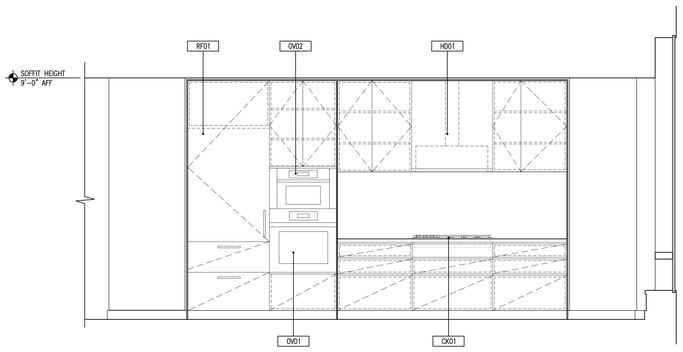
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
KITCHEN ELEVATIONS

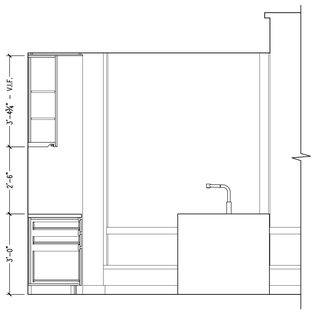
SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN WEST
No. 029284
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/2" = 1'-0"
DWG NO.	A-704.00

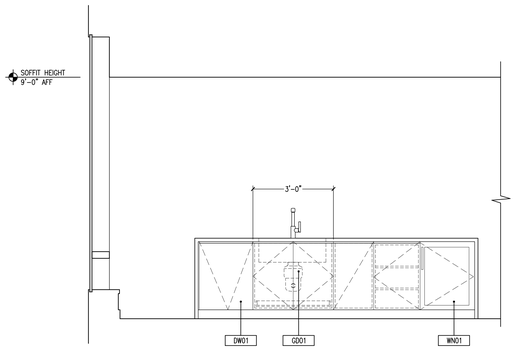
DEPT OF BLDGS 122132110 Job Number
B3833317935 Scan Code



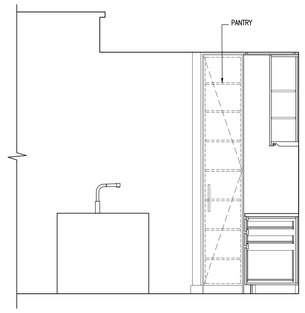
12 ELEVATION
SCALE: 1/2" = 1'-0" A-705.DWG



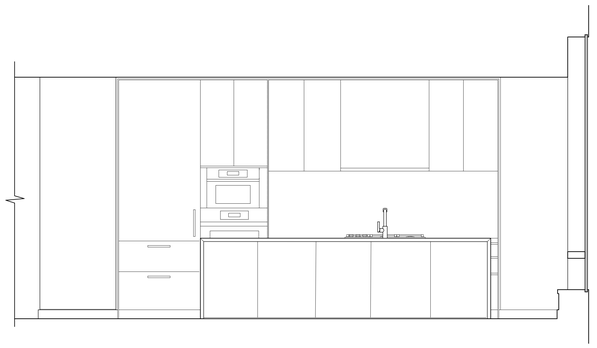
11 ELEVATION
SCALE: 1/2" = 1'-0" A-705.DWG



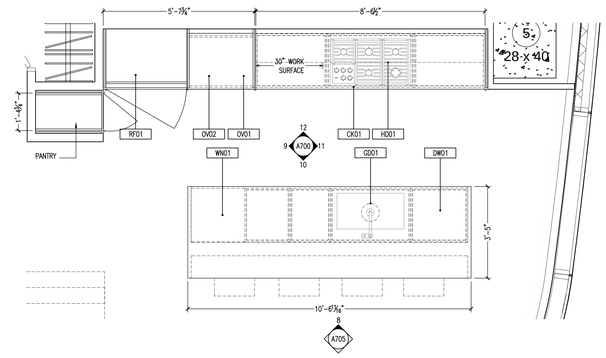
10 ELEVATION
SCALE: 1/2" = 1'-0" A-705.DWG



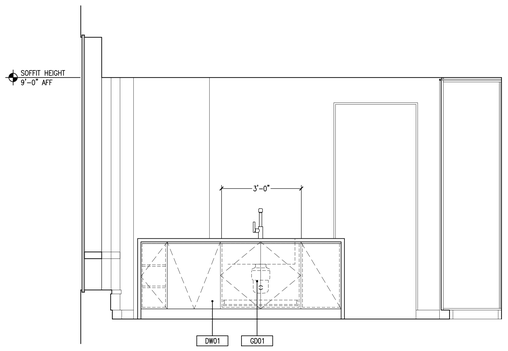
9 ELEVATION
SCALE: 1/2" = 1'-0" A-705.DWG



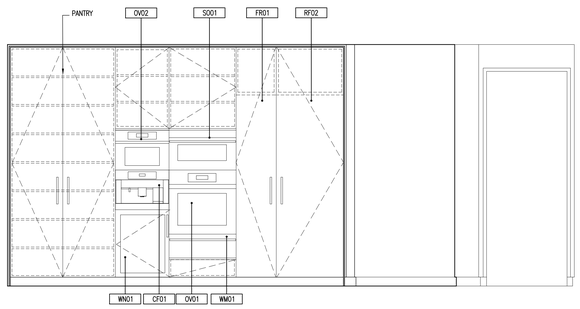
8 ELEVATION
SCALE: 1/2" = 1'-0" A-705.DWG



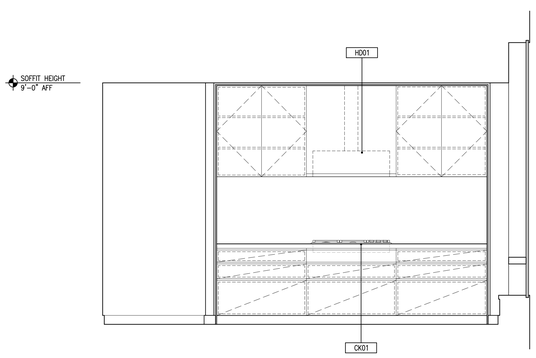
7 KITCHEN PLAN, FLOOR 28-39, UNIT B
SCALE: 1/2" = 1'-0" A-705.DWG



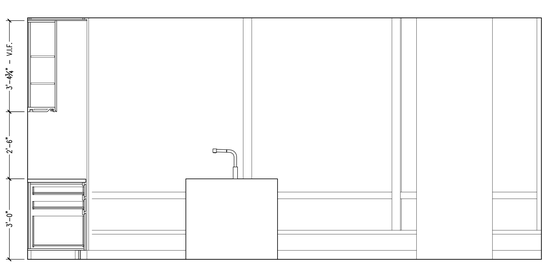
6 ELEVATION
SCALE: 1/2" = 1'-0" A-705.DWG



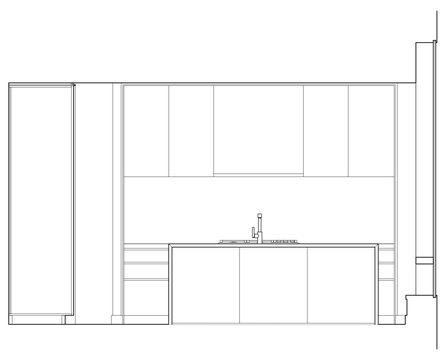
5 ELEVATION
SCALE: 1/2" = 1'-0" A-705.DWG



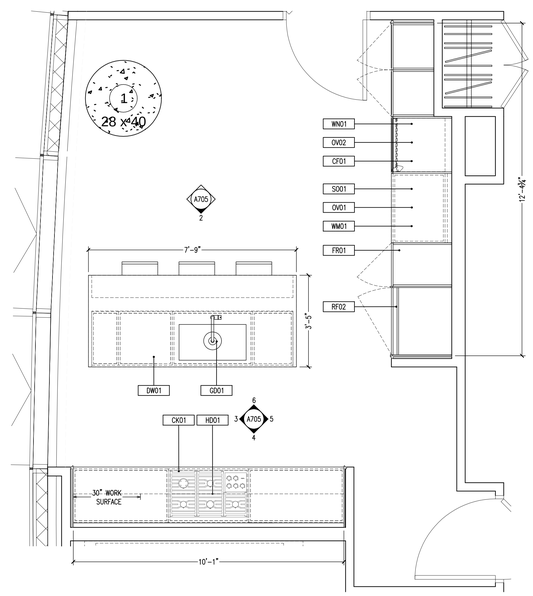
4 ELEVATION
SCALE: 1/2" = 1'-0" A-705.DWG



3 ELEVATION
SCALE: 1/2" = 1'-0" A-705.DWG

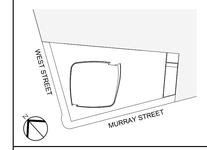


2 ELEVATION
SCALE: 1/2" = 1'-0" A-705.DWG



1 KITCHEN PLAN, FLOOR 40-50, WEST
SCALE: 1/2" = 1'-0" A-705.DWG

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

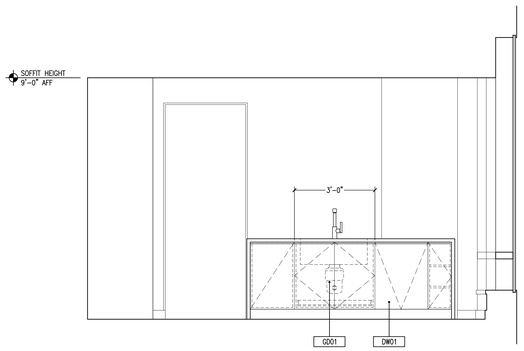
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
KITCHEN ELEVATIONS

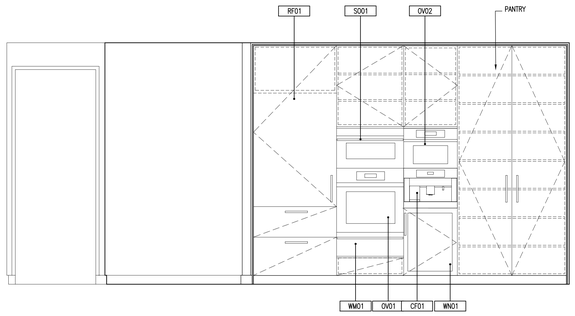
SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH STEPHEN HILL
No. 026604
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/2" = 1'-0"
A-705.00
DWG NO.

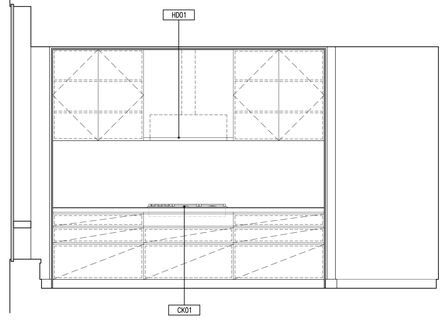
DEPT OF BLDGS 122132110 Job Number
B2025000648 Scan Code



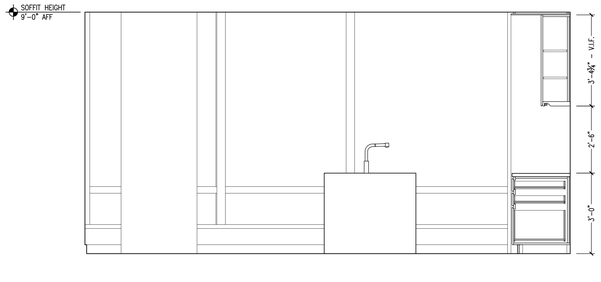
13 ELEVATION
SCALE: 1/2" = 1'-0" A-706.DWG



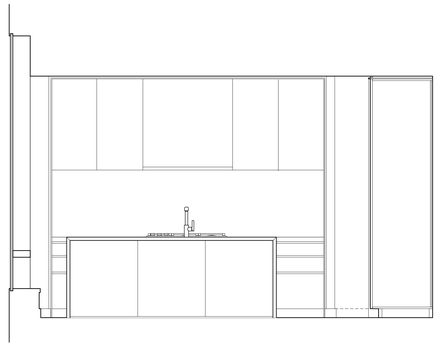
12 ELEVATION
SCALE: 1/2" = 1'-0" A-706.DWG



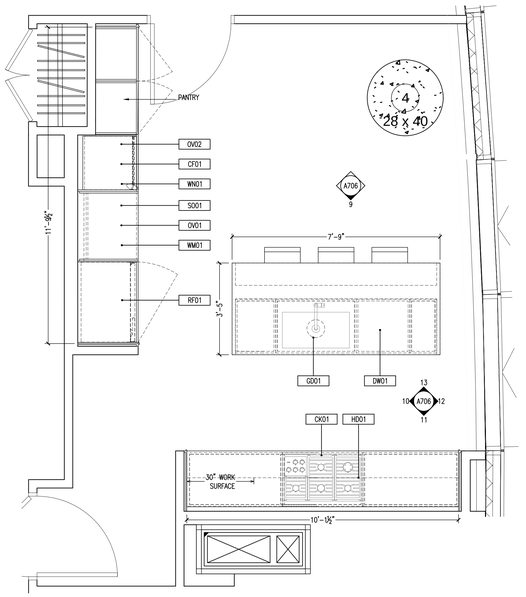
11 ELEVATION
SCALE: 1/2" = 1'-0" A-706.DWG



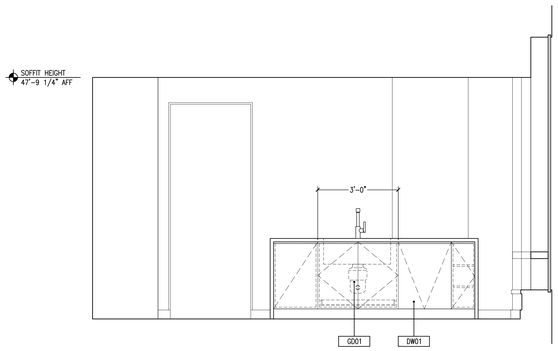
10 ELEVATION
SCALE: 1/2" = 1'-0" A-706.DWG



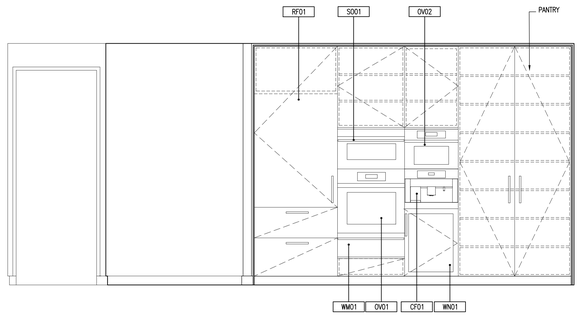
9 ELEVATION
SCALE: 1/2" = 1'-0" A-706.DWG



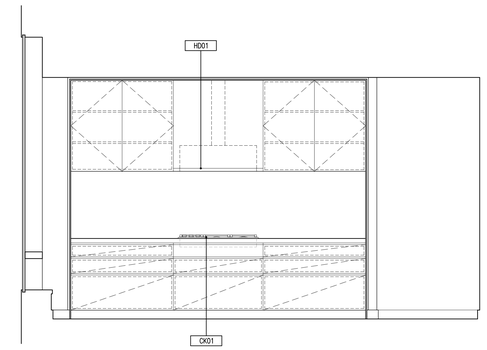
8 KITCHEN PLAN, FLOOR 40-44, EAST
SCALE: 1/2" = 1'-0" A-706.DWG



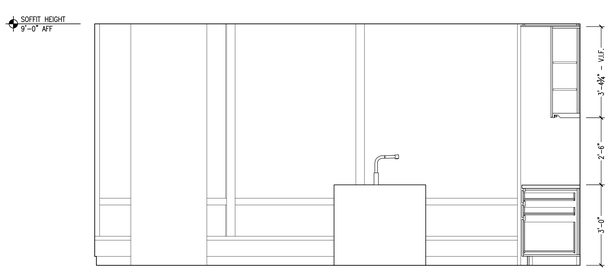
7 ELEVATION
SCALE: 1/2" = 1'-0" A-706.DWG



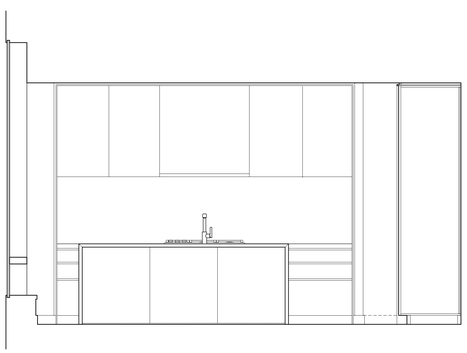
6 ELEVATION
SCALE: 1/2" = 1'-0" A-706.DWG



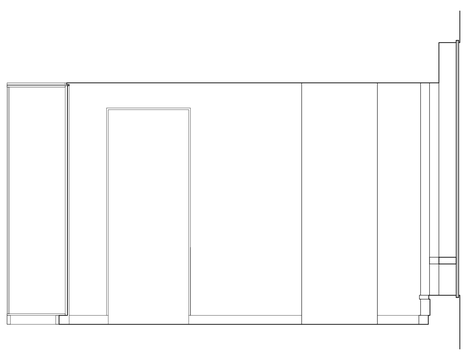
5 ELEVATION
SCALE: 1/2" = 1'-0" A-706.DWG



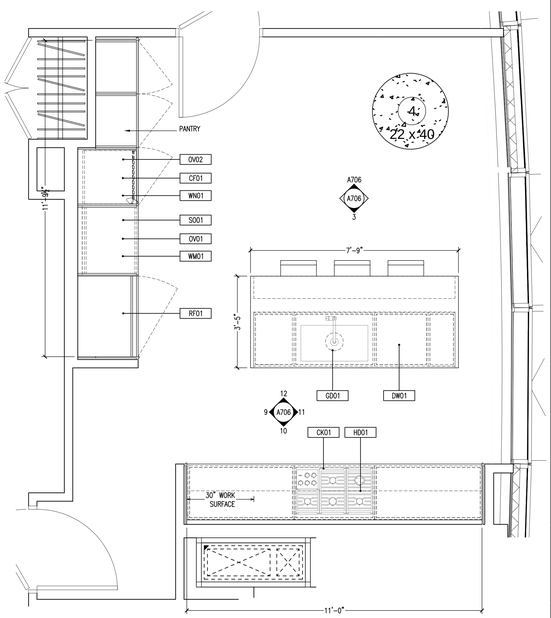
4 ELEVATION
SCALE: 1/2" = 1'-0" A-706.DWG



3 ELEVATION
SCALE: 1/2" = 1'-0" A-706.DWG

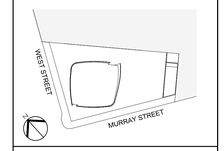


2 ELEVATION
SCALE: 1/2" = 1'-0" A-706.DWG



1 KITCHEN PLAN, FLOOR 45-50, EAST
SCALE: 1/2" = 1'-0" A-706.DWG

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

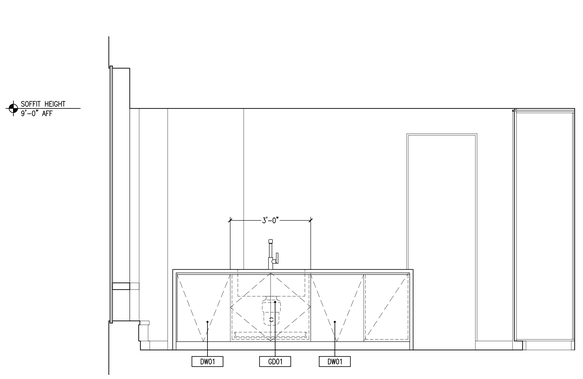
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
KITCHEN ELEVATIONS

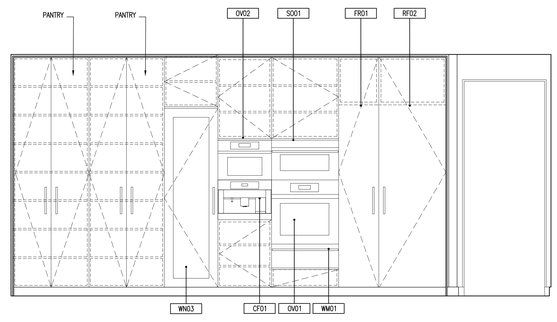
SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSEPH STEPHEN HILL
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/2" = 1'-0"
DWG NO: A-706.00

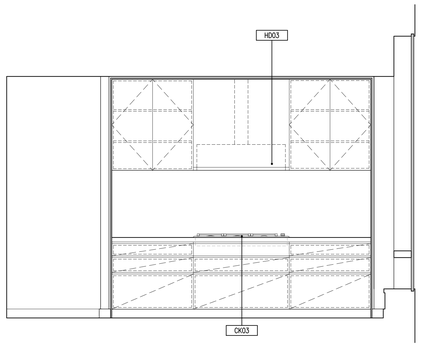
DEPT OF BLDGS 122132110 Job Number
B526785907 75 Scan Code



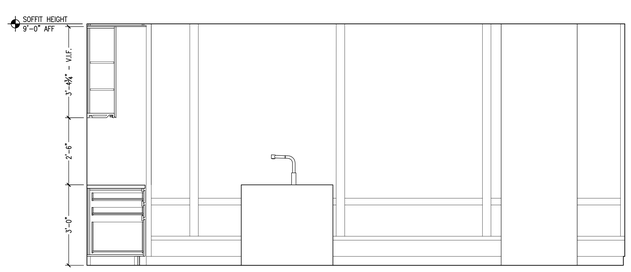
6 ELEVATION
SCALE: 1/2" = 1'-0"
A-707.DWG



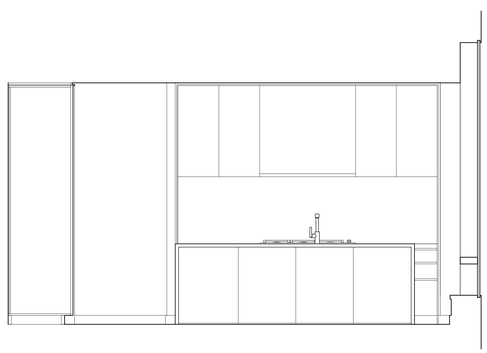
5 ELEVATION
SCALE: 1/2" = 1'-0"
A-707.DWG



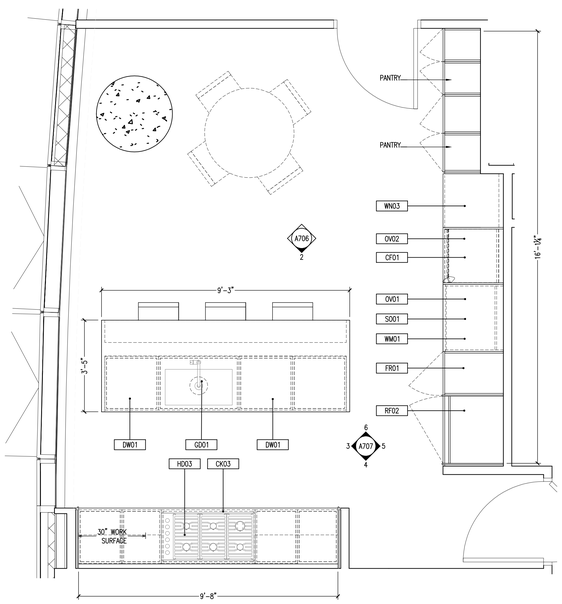
4 ELEVATION
SCALE: 1/2" = 1'-0"
A-707.DWG



3 ELEVATION
SCALE: 1/2" = 1'-0"
A-707.DWG

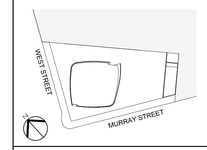


2 ELEVATION
SCALE: 1/2" = 1'-0"
A-707.DWG



1 KITCHEN PLAN, FLOOR 52-57, WEST
SCALE: 1/2" = 1'-0"
A-707.DWG

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

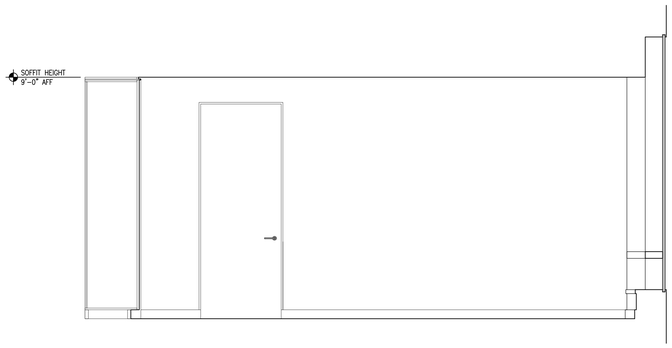
DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
KITCHEN ELEVATIONS

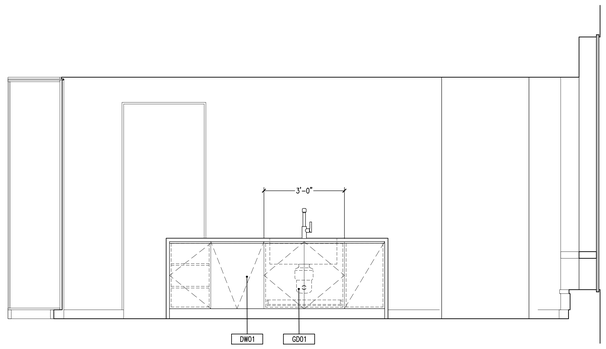
SEAL & SIGNATURE:
REGISTERED ARCHITECT
LICENSED STEPHEN A. LEE
CITY OF NEW YORK
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/2" = 1'-0"
DWG NO: A-707.00

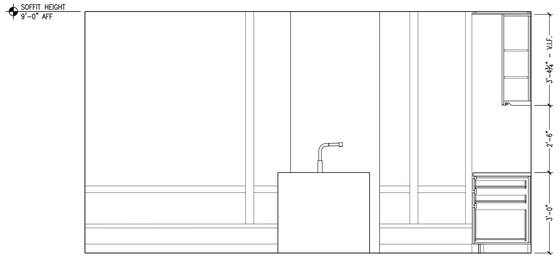
DEPT OF BLDGS 421323.00 Job Number
B3722500749 Scan Code



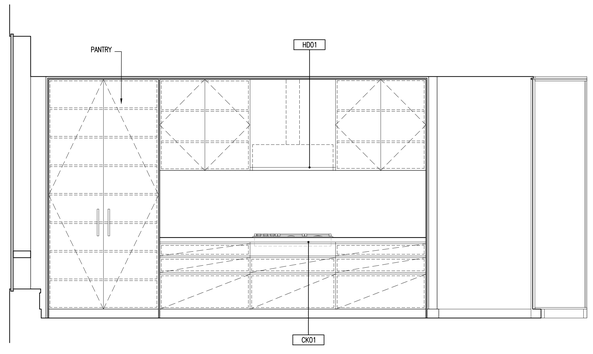
7 ELEVATION
SCALE: 1/2" = 1'-0" A-708.DWG



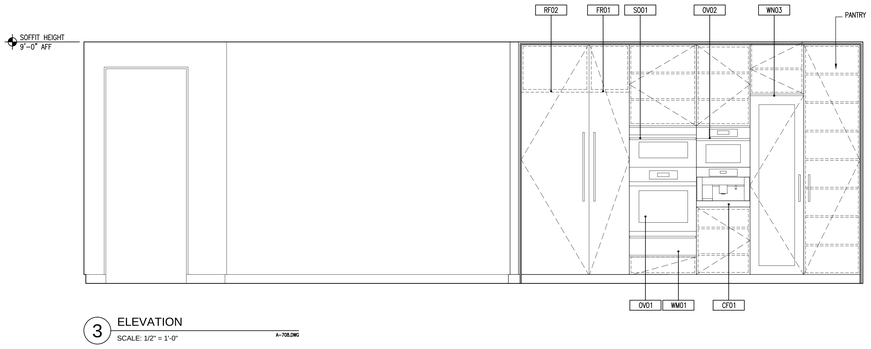
6 ELEVATION
SCALE: 1/2" = 1'-0" A-708.DWG



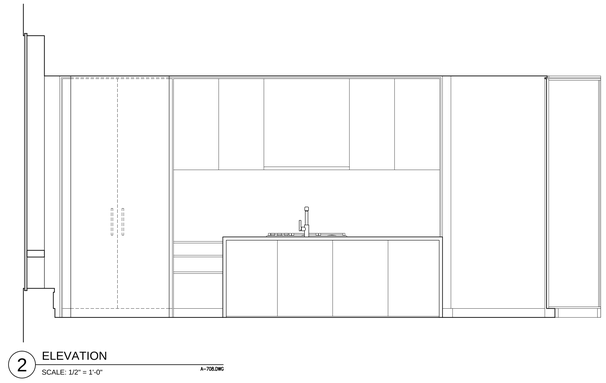
5 ELEVATION
SCALE: 1/2" = 1'-0" A-708.DWG



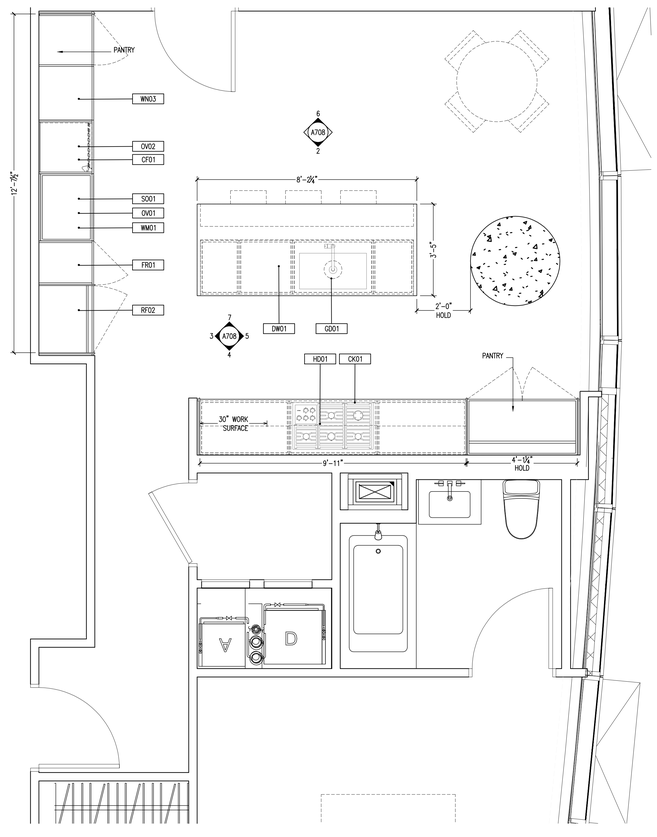
4 ELEVATION
SCALE: 1/2" = 1'-0" A-708.DWG



3 ELEVATION
SCALE: 1/2" = 1'-0" A-708.DWG

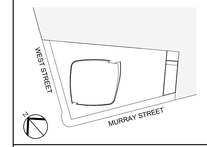


2 ELEVATION
SCALE: 1/2" = 1'-0" A-708.DWG



1 KITCHEN PLAN, FLOOR 52-55, EAST
SCALE: 1/2" = 1'-0" A-708.DWG

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0520 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 1 of 1975
Date: 05/20/2015
NYC Development Hub

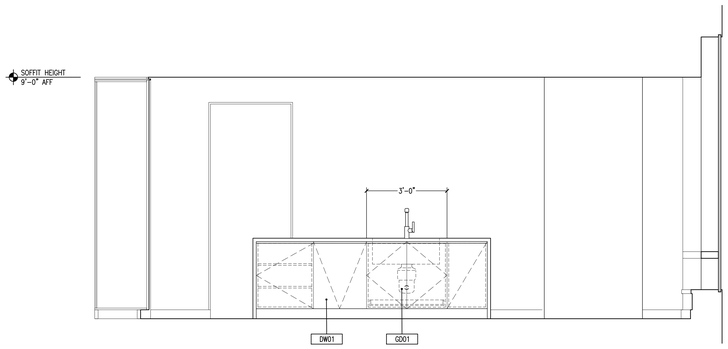
DWG TITLE:
KITCHEN ELEVATIONS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JO STEPHEN HILL
STATE OF NEW YORK

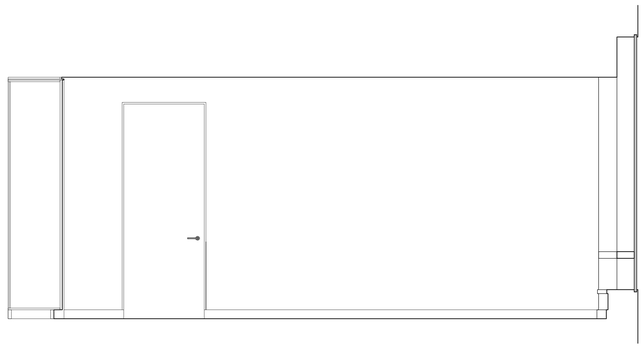
DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/2" = 1'-0"
DWG NO: A-708.00

DEPT OF BLDGS 421323.00 Job Number

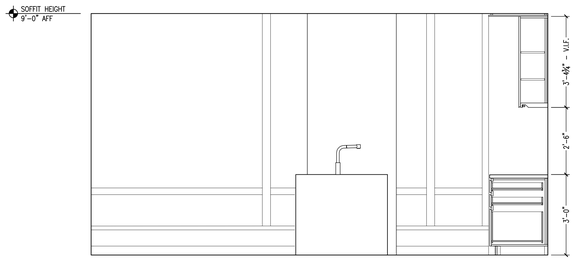
ESU 10020450 Scan Code



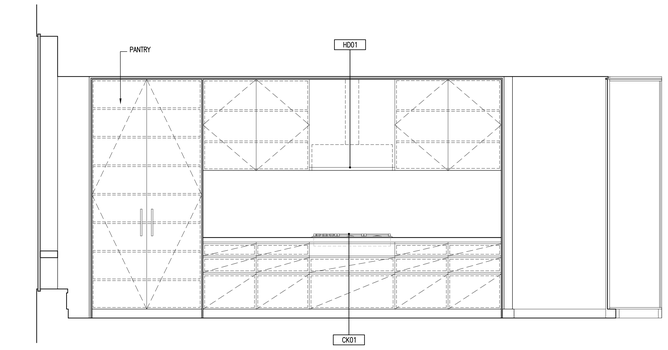
7 ELEVATION
SCALE: 1/2" = 1'-0" A-709.DWG



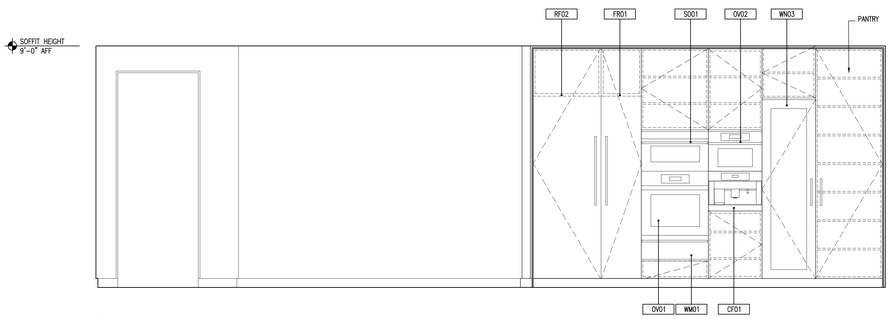
6 ELEVATION
SCALE: 1/2" = 1'-0" A-709.DWG



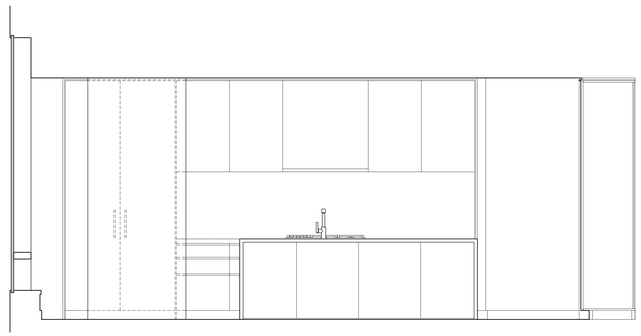
5 ELEVATION
SCALE: 1/2" = 1'-0" A-709.DWG



4 ELEVATION
SCALE: 1/2" = 1'-0" A-709.DWG



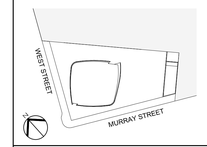
3 ELEVATION
SCALE: 1/2" = 1'-0" A-709.DWG



2 ELEVATION
SCALE: 1/2" = 1'-0" A-709.DWG

1 KITCHEN PLAN, FLOOR 55-57, EAST
SCALE: 1/2" = 1'-0" A-709.DWG

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

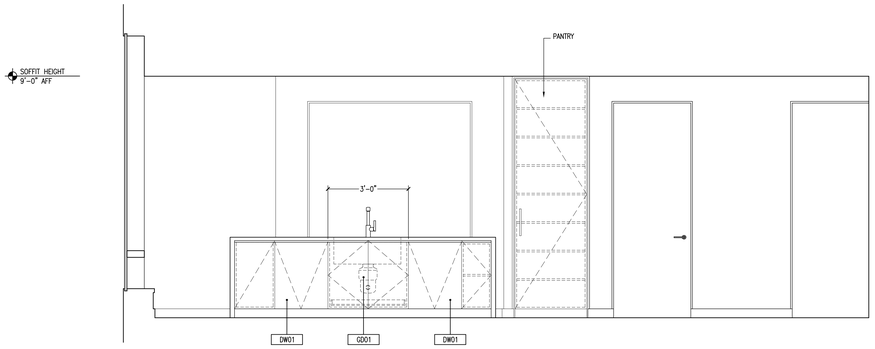
DWG TITLE:
KITCHEN ELEVATIONS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
DAVID STEPHEN WEST
OF NEW YORK

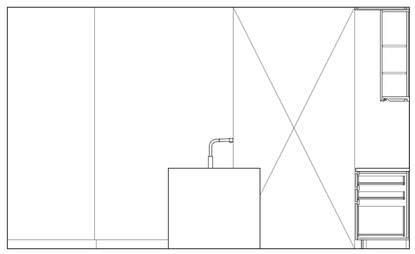
DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/2" = 1'-0"
DWG NO.	A-709.00

DEPT OF BLDGS 321323.00 Job Number

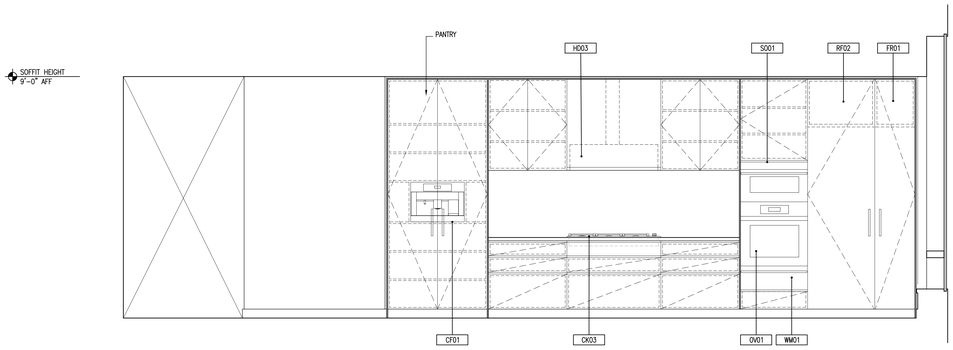
B00405896N Scan Code



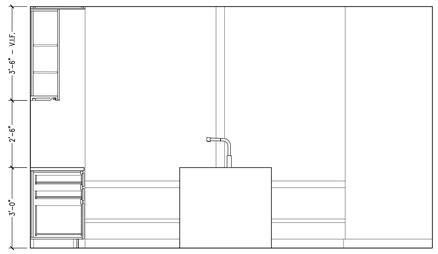
7 ELEVATION
SCALE: 1/2" = 1'-0" A-710.DWG



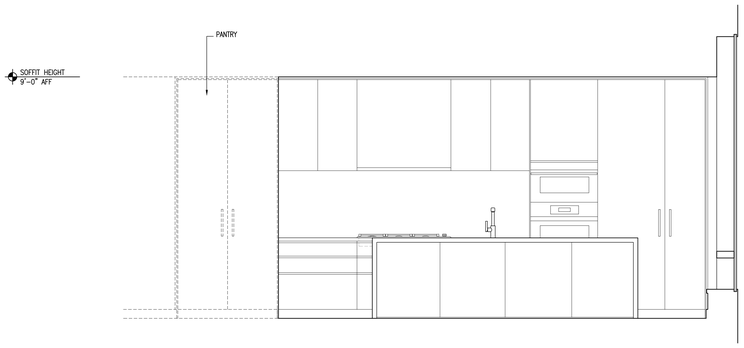
6 ELEVATION
SCALE: 1/2" = 1'-0" A-710.DWG



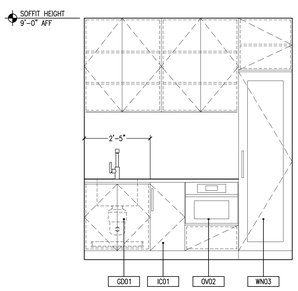
5 ELEVATION
SCALE: 1/2" = 1'-0" A-710.DWG



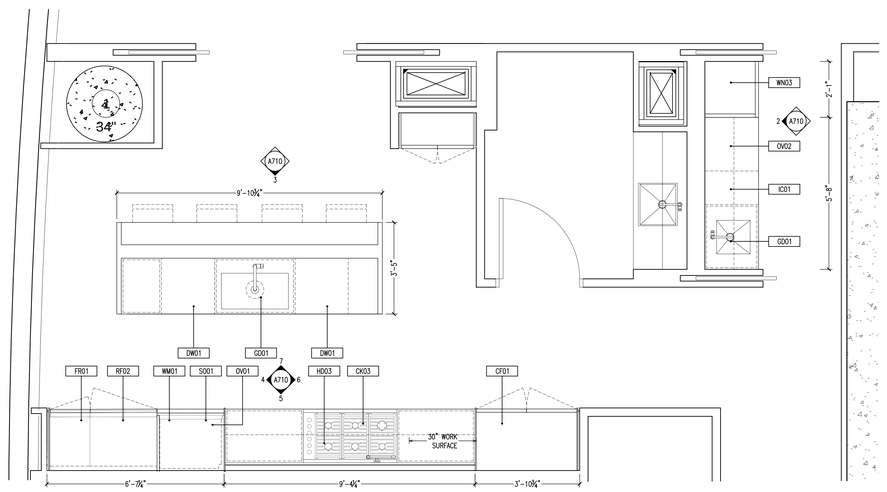
4 ELEVATION
SCALE: 1/2" = 1'-0" A-710.DWG



3 ELEVATION
SCALE: 1/2" = 1'-0" A-710.DWG

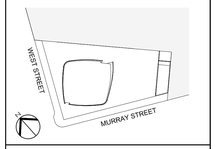


2 ELEVATION
SCALE: 1/2" = 1'-0" A-710.DWG



1 KITCHEN AND BUTLERS PANTRY PLAN, FLOOR 58, PENTHOUSE
SCALE: 1/2" = 1'-0" A-710.DWG

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

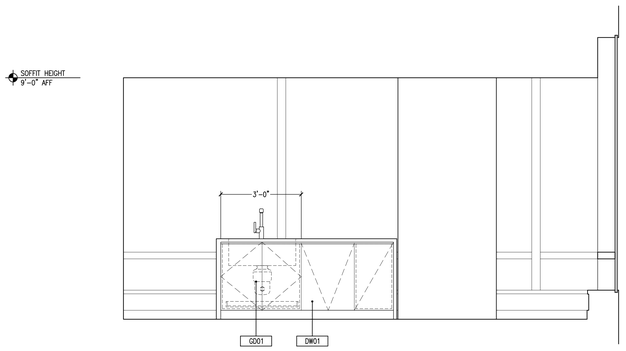
DOB STAMP/S SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
KITCHENS ELEVATIONS

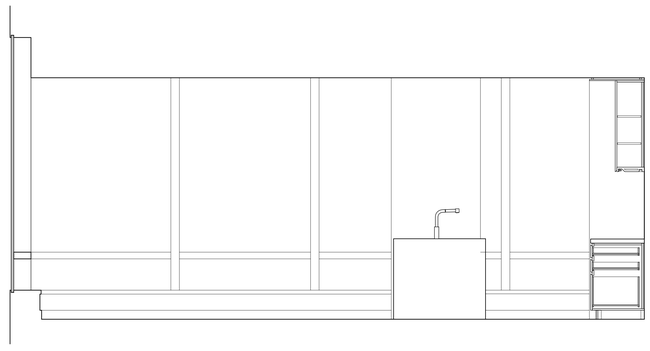
SEAL & SIGNATURE OF REGISTERED ARCHITECT
STEPHEN C. CORDIA
OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/2" = 1'-0"
DWG NO.: A-710.00

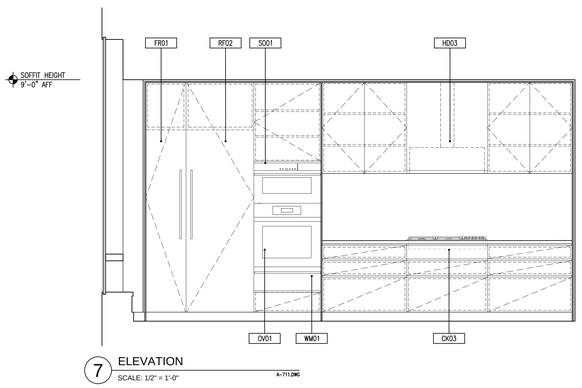
DEPT OF BLDGS 122132110 Job Number
E527777W280 Scan Code



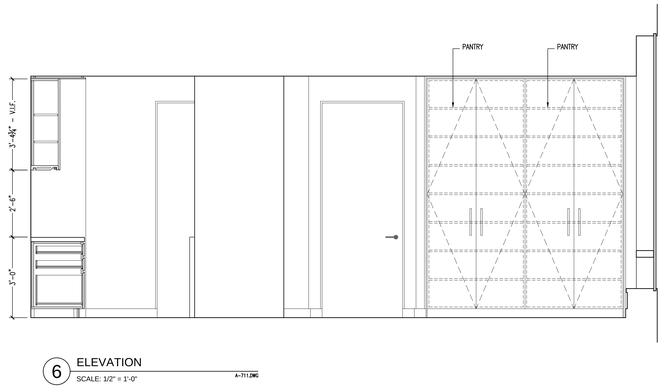
9 ELEVATION
SCALE: 1/2" = 1'-0" A-711.DWG



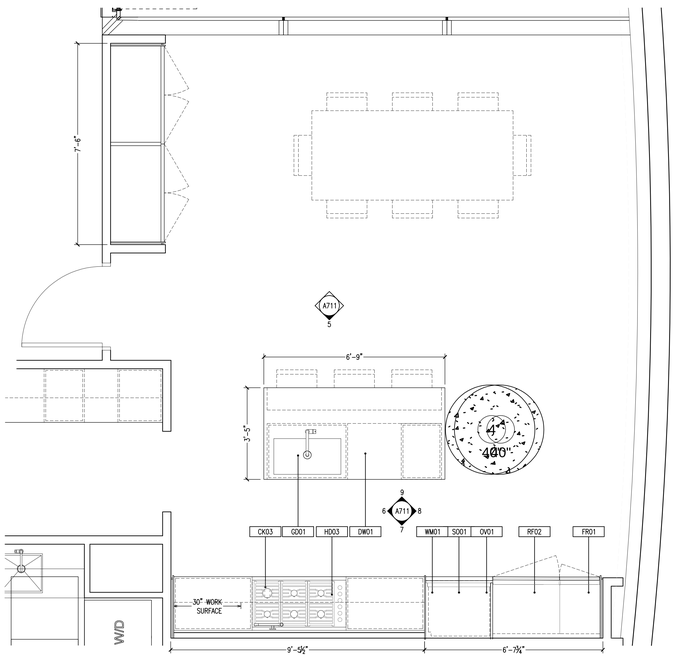
8 ELEVATION
SCALE: 1/2" = 1'-0" A-711.DWG



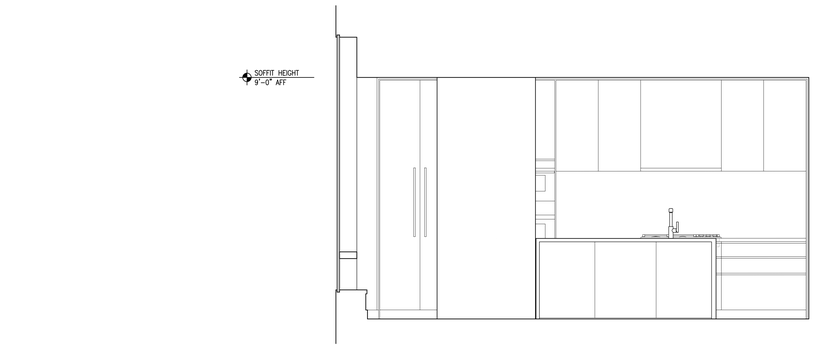
7 ELEVATION
SCALE: 1/2" = 1'-0" A-711.DWG



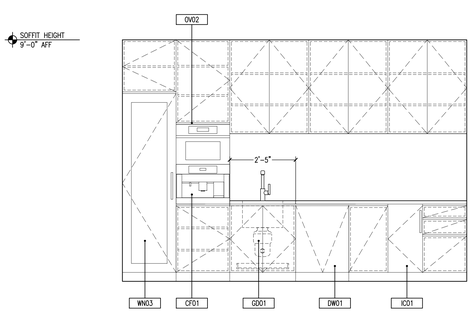
6 ELEVATION
SCALE: 1/2" = 1'-0" A-711.DWG



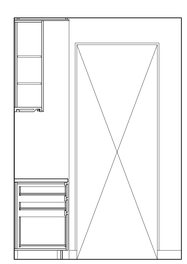
4 KITCHEN PLAN, FLOOR 59, PENTHOUSE
SCALE: 1/2" = 1'-0" A-711.DWG



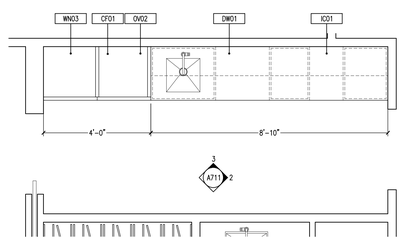
5 ELEVATION
SCALE: 1/2" = 1'-0" A-711.DWG



3 ELEVATION
SCALE: 1/2" = 1'-0" A-711.DWG

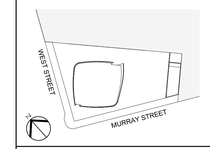


2 ELEVATION
SCALE: 1/2" = 1'-0" A-711.DWG



1 BUTLER'S PANTRY PLAN, FLOOR 59, PENTHOUSE
SCALE: 1/2" = 1'-0" A-711.DWG

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
KITCHEN ELEVATIONS

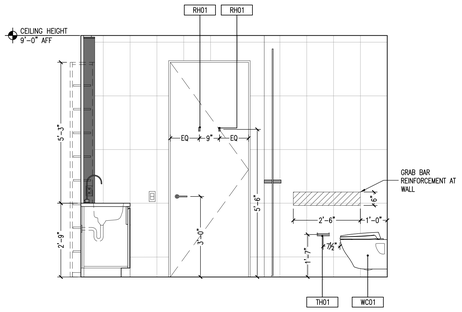
SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN T. HILL
No. 026904
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/2" = 1'-0"
A-711.00
DWG NO.

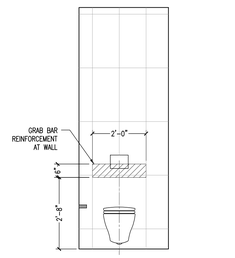
DEPT OF BLDGS 122132110 Job Number
B396957S4W0 Scan Code

BATHROOM NOTATION LEGEND:

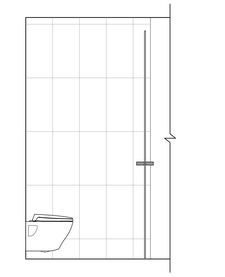
TB01	TOWEL BAR	TF02	TUB FILLER	VC02	VOLUME CONTROL
TH01	TOILET TISSUE HOLDER	BT01	FREE STANDING BATHTUB	VC03	VOLUME CONTROL
WC01	WALL MOUNTED TOILET	BT02	BATHTUB	HS02	HAND SHOWER SET
WC02	FLOOR MOUNTED TOILET	SD01	LINEAR SHOWER DRAIN	HS03	HAND SHOWER
LV01	LAVATORY SINK	SH01	CEILING MOUNTED SHOWER HEAD		
LF01	LAVATORY FAUCET	SH02	WALL MOUNTED SHOWER HEAD		
LF01	LAVATORY FAUCET	TV01	THERMOSTATIC CONTROL		
TF01	TUB FILLER	VC01	VOLUME CONTROL		



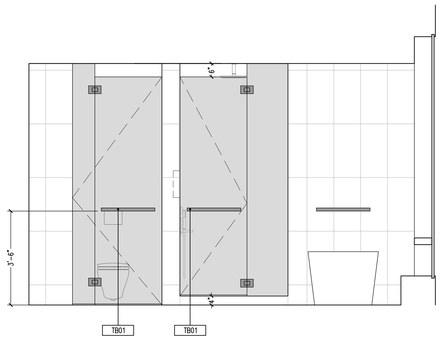
18 ELEVATION
SCALE: 1/2" = 1'-0"
A-800.DWG



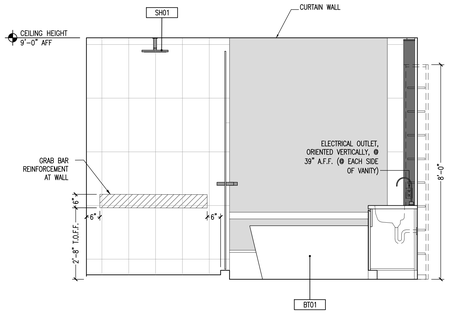
17 ELEVATION
SCALE: 1/2" = 1'-0"
A-800.DWG



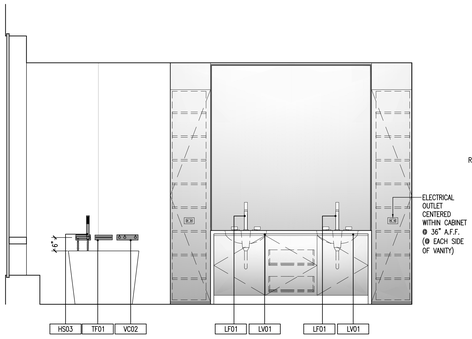
16 ELEVATION
SCALE: 1/2" = 1'-0"
A-800.DWG



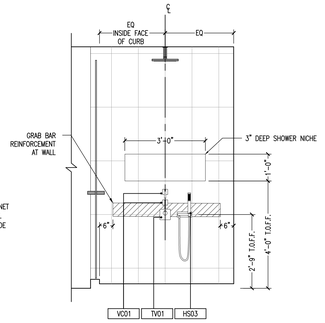
15 ELEVATION
SCALE: 1/2" = 1'-0"
A-800.DWG



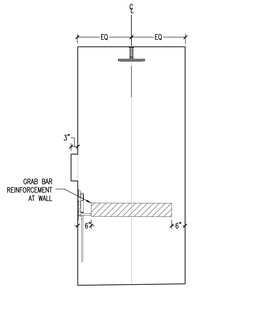
14 ELEVATION
SCALE: 1/2" = 1'-0"
A-800.DWG



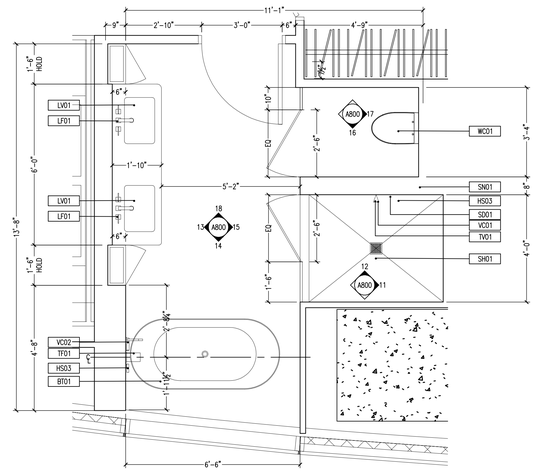
13 ELEVATION
SCALE: 1/2" = 1'-0"
A-800.DWG



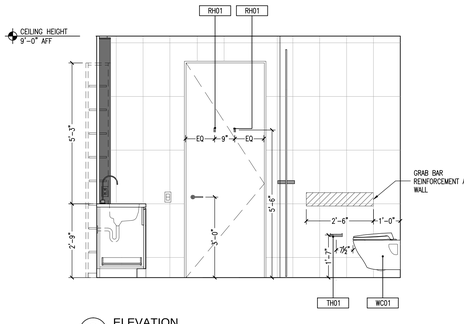
12 ELEVATION
SCALE: 1/2" = 1'-0"
A-800.DWG



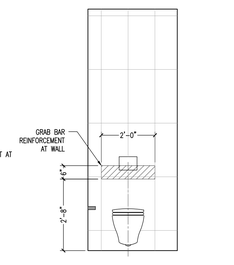
11 ELEVATION
SCALE: 1/2" = 1'-0"
A-800.DWG



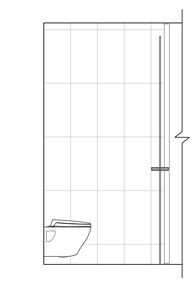
10 MASTER BATHROOM PLAN, TYPICAL
SCALE: 1/2" = 1'-0"
A-800.DWG



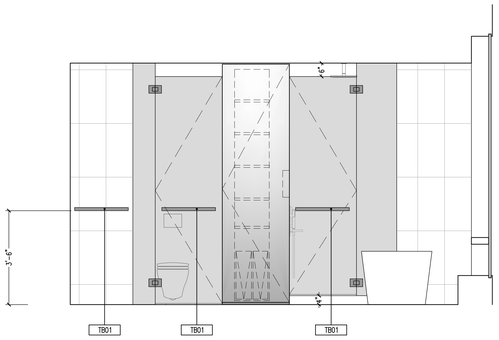
9 ELEVATION
SCALE: 1/2" = 1'-0"
A-800.DWG



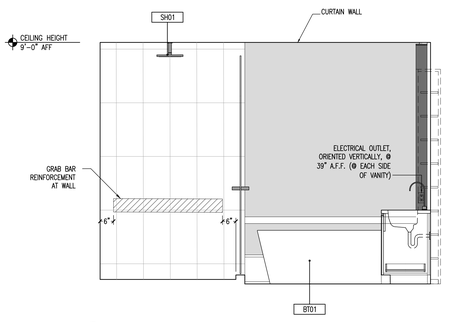
8 ELEVATION
SCALE: 1/2" = 1'-0"
A-800.DWG



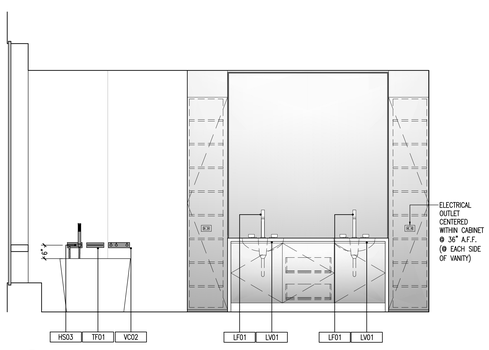
7 ELEVATION
SCALE: 1/2" = 1'-0"
A-800.DWG



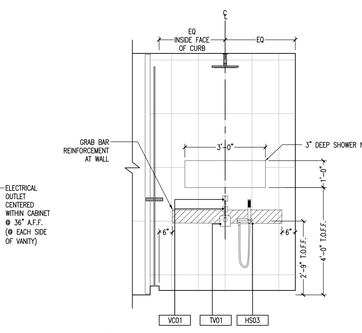
6 ELEVATION
SCALE: 1/2" = 1'-0"
A-800.DWG



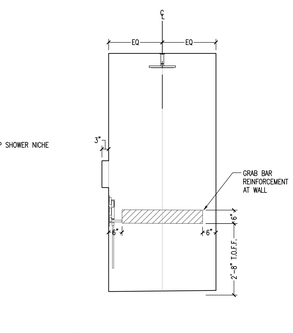
5 ELEVATION
SCALE: 1/2" = 1'-0"
A-800.DWG



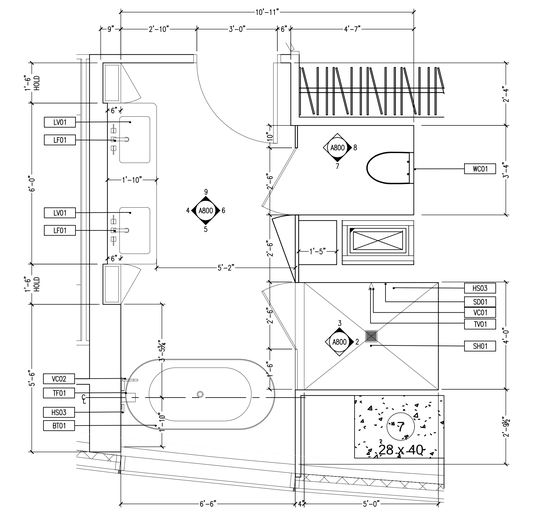
4 ELEVATION
SCALE: 1/2" = 1'-0"
A-800.DWG



3 ELEVATION
SCALE: 1/2" = 1'-0"
A-800.DWG

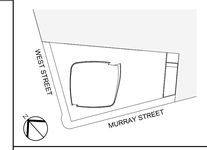


2 ELEVATION
SCALE: 1/2" = 1'-0"
A-800.DWG



1 MASTER BATHROOM PLAN, TYPICAL
SCALE: 1/2" = 1'-0"
A-800.DWG

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

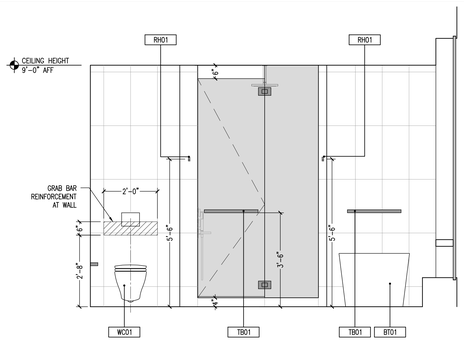
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 1 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
BATHROOM ELEVATIONS

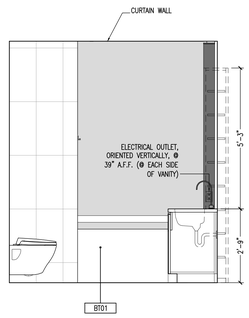
SEAL & SIGNATURE:
REGISTERED ARCHITECT
JO STEPHEN HILL
029174
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/2" = 1'-0"
DWG NO.	A-800.00

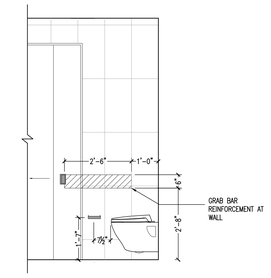
DEPT OF BLDGS 122132110 Job Number
B1B0B3A4127B6 Scan Code



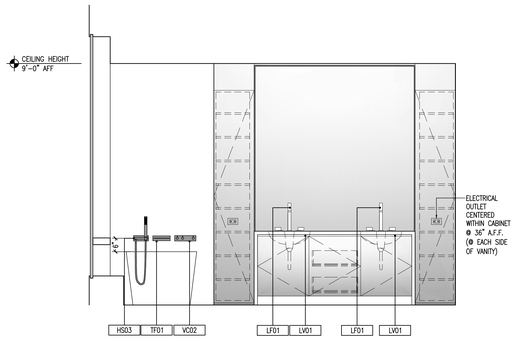
13 ELEVATION
SCALE: 1/2" = 1'-0"
A-801.DWG



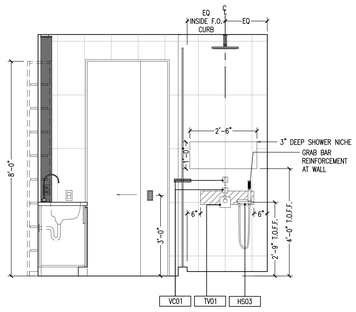
12 ELEVATION
SCALE: 1/2" = 1'-0"
A-801.DWG



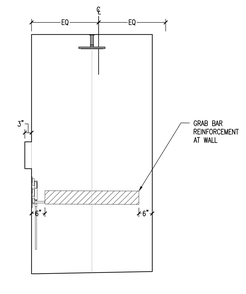
11 ELEVATION
SCALE: 1/2" = 1'-0"
A-801.DWG



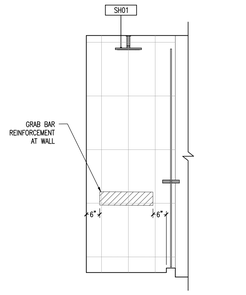
10 ELEVATION
SCALE: 1/2" = 1'-0"
A-801.DWG



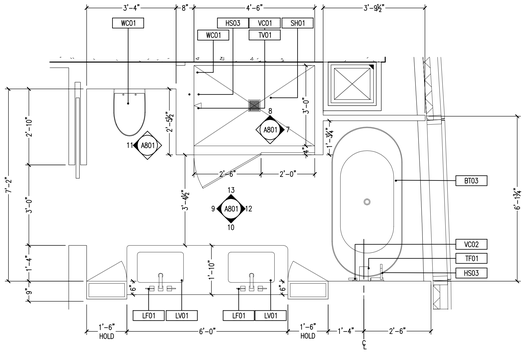
9 ELEVATION
SCALE: 1/2" = 1'-0"
A-801.DWG



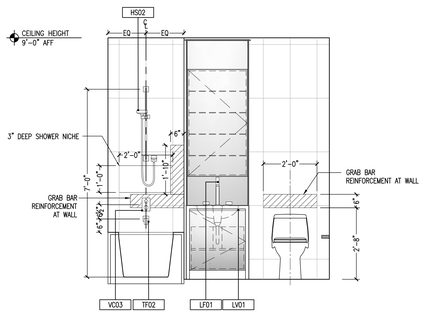
8 ELEVATION
SCALE: 1/2" = 1'-0"
A-801.DWG



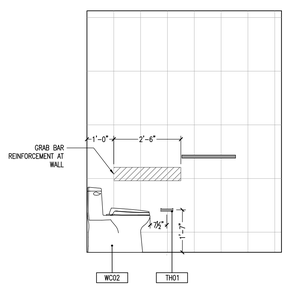
7 ELEVATION
SCALE: 1/2" = 1'-0"
A-801.DWG



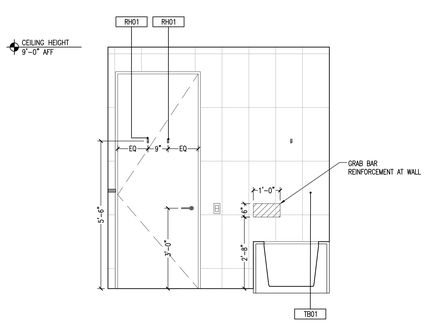
6 MASTER BATHROOM PLAN, TYPICAL
SCALE: 1/2" = 1'-0"
A-801.DWG



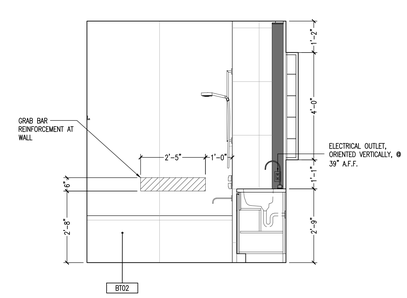
5 ELEVATION
SCALE: 1/2" = 1'-0"
A-801.DWG



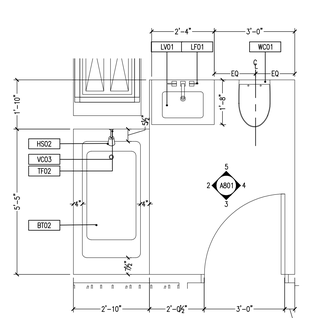
4 ELEVATION
SCALE: 1/2" = 1'-0"
A-801.DWG



3 ELEVATION
SCALE: 1/2" = 1'-0"
A-801.DWG

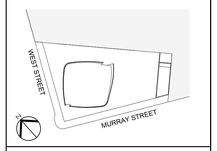


2 ELEVATION
SCALE: 1/2" = 1'-0"
A-801.DWG



1 MASTER BATHROOM PLAN, TYPICAL
SCALE: 1/2" = 1'-0"
A-801.DWG

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

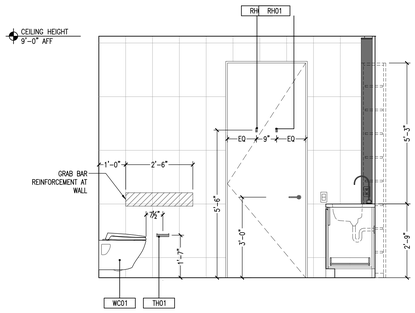
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
BUILDINGS
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
BATHROOM ELEVATIONS

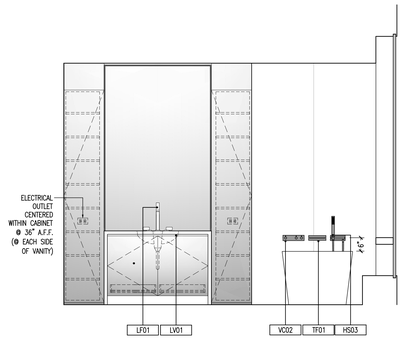
SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN WEST
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/2" = 1'-0"
DWG NO.	A-801.00

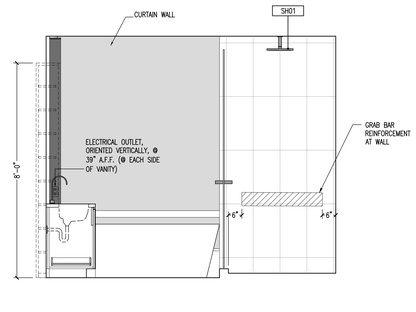
DEPT OF BLDGS 122132110 Job Number
B1000167A001 Scan Code



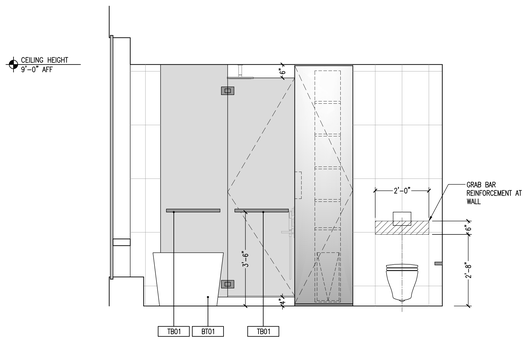
14 ELEVATION
SCALE: 1/2" = 1'-0"
A-802.DWG



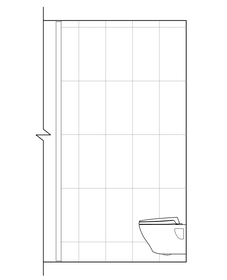
13 ELEVATION
SCALE: 1/2" = 1'-0"
A-802.DWG



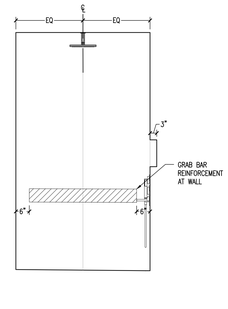
12 ELEVATION
SCALE: 1/2" = 1'-0"
A-802.DWG



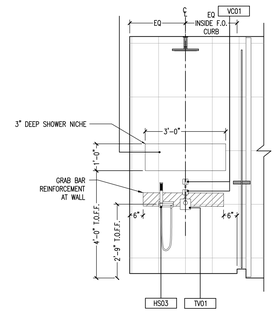
11 ELEVATION
SCALE: 1/2" = 1'-0"
A-802.DWG



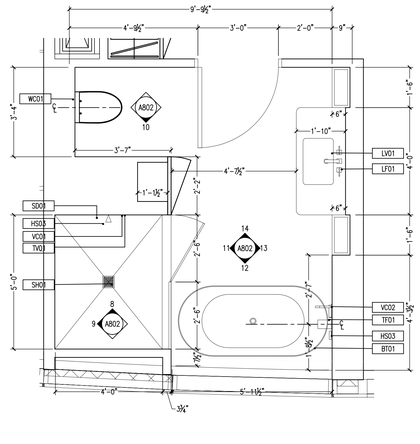
10 ELEVATION
SCALE: 1/2" = 1'-0"
A-802.DWG



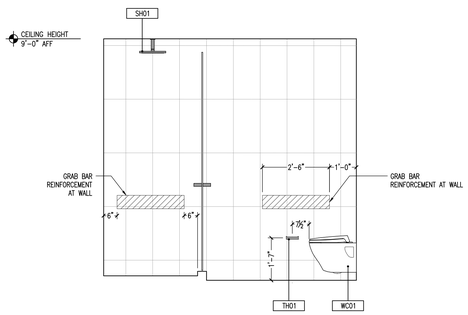
9 ELEVATION
SCALE: 1/2" = 1'-0"
A-802.DWG



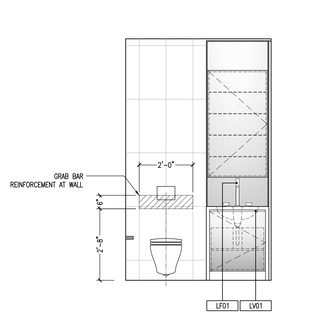
8 ELEVATION
SCALE: 1/2" = 1'-0"
A-802.DWG



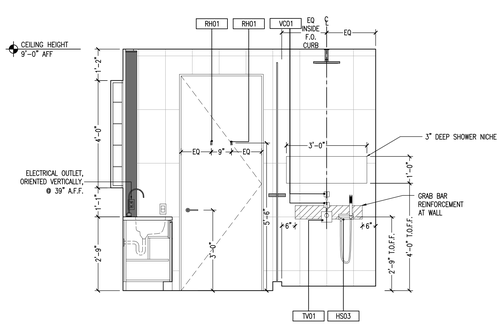
7 MASTER BATHROOM PLAN, TYPICAL
SCALE: 1/2" = 1'-0"
A-802.DWG



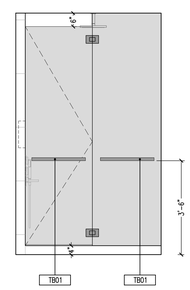
6 ELEVATION
SCALE: 1/2" = 1'-0"
A-802.DWG



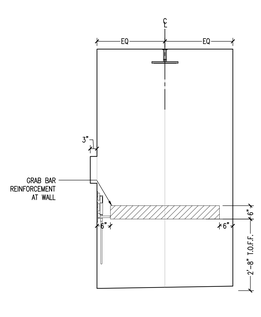
5 ELEVATION
SCALE: 1/2" = 1'-0"
A-802.DWG



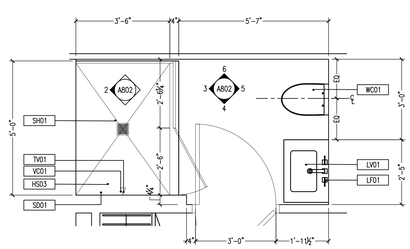
4 ELEVATION
SCALE: 1/2" = 1'-0"
A-802.DWG



3 ELEVATION
SCALE: 1/2" = 1'-0"
A-802.DWG

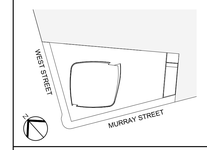


2 ELEVATION
SCALE: 1/2" = 1'-0"
A-802.DWG



1 MASTER BATHROOM PLAN, TYPICAL
SCALE: 1/2" = 1'-0"
A-802.DWG

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

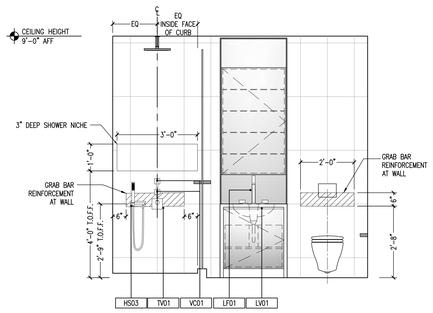
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
BATHROOM ELEVATIONS

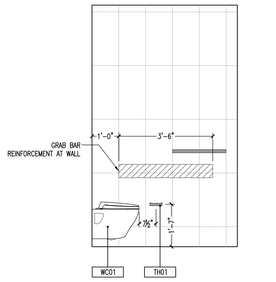
SEAL & SIGNATURE:
REGISTERED ARCHITECT
LEO STEPHEN WEST
No. 029884
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/2" = 1'-0"
DWG NO.	A-802.00

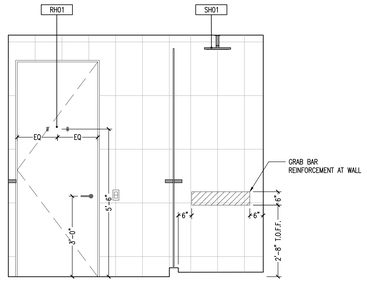
DEPT OF BLDGS 122132110 Job Number
B2B0030000175 Scan Code



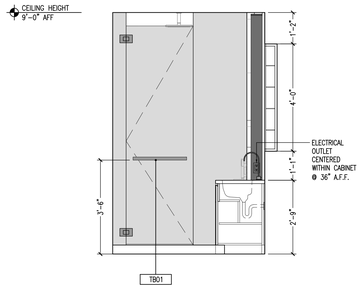
14 ELEVATION
SCALE: 1/2" = 1'-0"
A-803.DWG



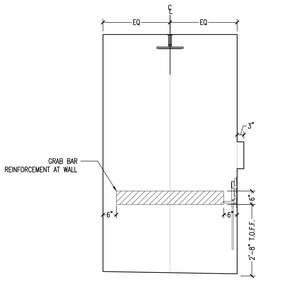
13 ELEVATION
SCALE: 1/2" = 1'-0"
A-803.DWG



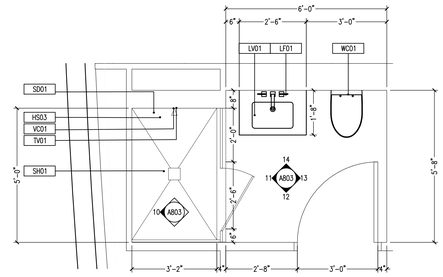
12 ELEVATION
SCALE: 1/2" = 1'-0"
A-803.DWG



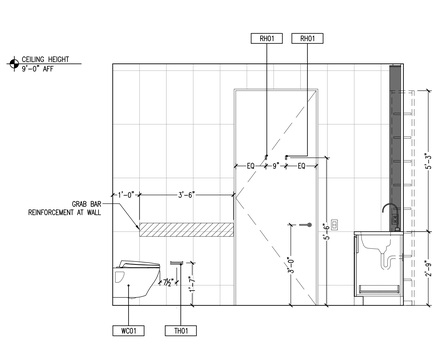
11 ELEVATION
SCALE: 1/2" = 1'-0"
A-803.DWG



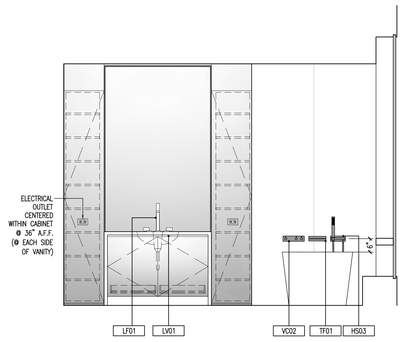
10 ELEVATION
SCALE: 1/2" = 1'-0"
A-803.DWG



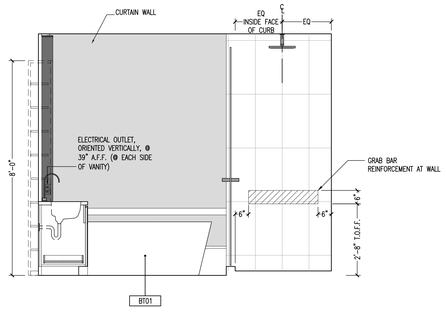
9 MASTER BATHROOM PLAN
SCALE: 1/2" = 1'-0"
A-803.DWG



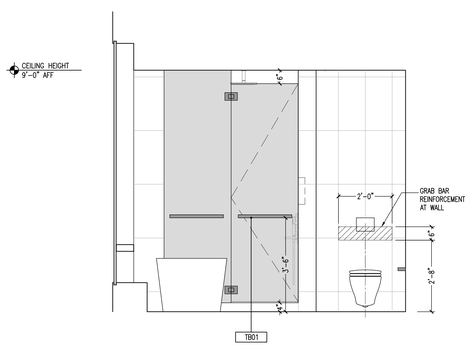
8 ELEVATION
SCALE: 1/2" = 1'-0"
A-803.DWG



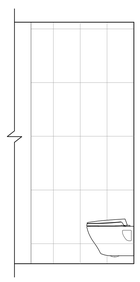
7 ELEVATION
SCALE: 1/2" = 1'-0"
A-803.DWG



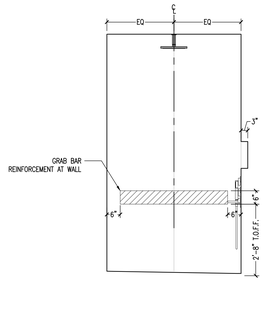
6 ELEVATION
SCALE: 1/2" = 1'-0"
A-803.DWG



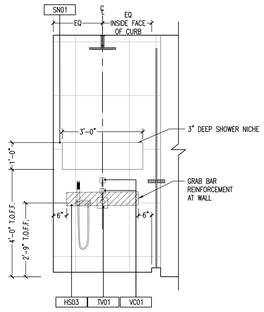
5 ELEVATION
SCALE: 1/2" = 1'-0"
A-803.DWG



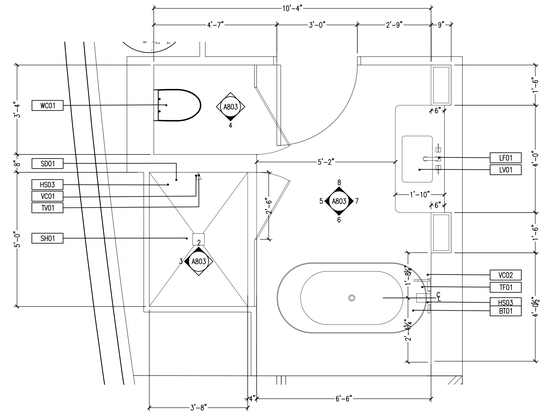
4 ELEVATION
SCALE: 1/2" = 1'-0"
A-803.DWG



3 ELEVATION
SCALE: 1/2" = 1'-0"
A-803.DWG

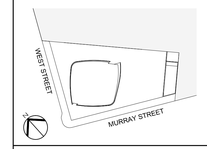


2 ELEVATION
SCALE: 1/2" = 1'-0"
A-803.DWG



1 MASTER BATHROOM PLAN
SCALE: 1/2" = 1'-0"
A-803.DWG

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

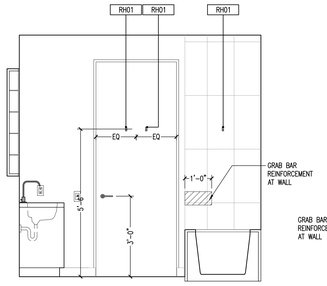
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
BATHROOM ELEVATIONS

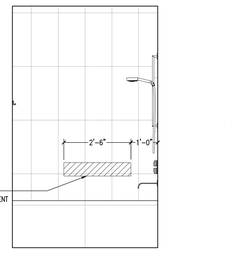
SEAL & SIGNATURE:
REGISTERED ARCHITECT
ED STEPHEN HILL
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/2" = 1'-0"
DWG NO.	A-803.00

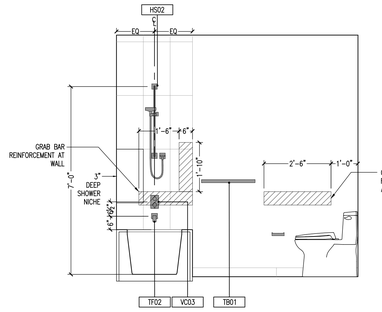
DEPT OF BLDGS 122132110 Job Number
B2405899X10 Scan Code



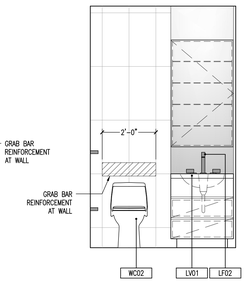
22 ELEVATION
SCALE: 1/2" = 1'-0" A-804.DWG



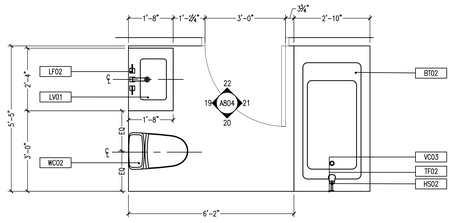
21 ELEVATION
SCALE: 1/2" = 1'-0" A-804.DWG



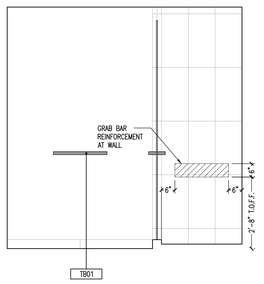
20 ELEVATION
SCALE: 1/2" = 1'-0" A-804.DWG



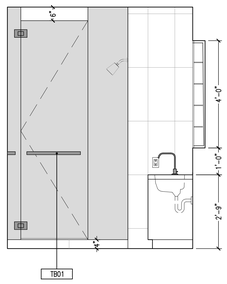
19 ELEVATION
SCALE: 1/2" = 1'-0" A-804.DWG



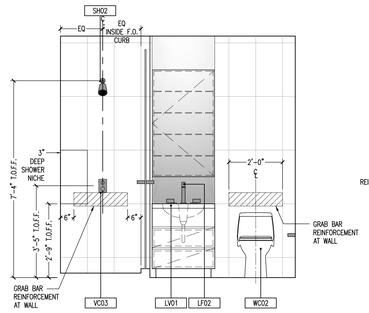
18 SECONDARY BATHROOM PLAN, TYPICAL
SCALE: 1/2" = 1'-0" A-804.DWG



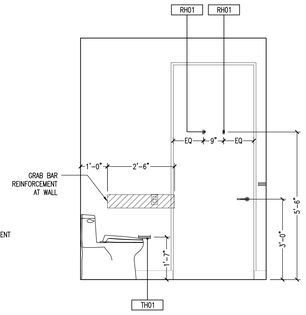
17 ELEVATION
SCALE: 1/2" = 1'-0" A-804.DWG



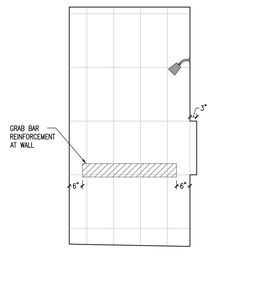
16 ELEVATION
SCALE: 1/2" = 1'-0" A-804.DWG



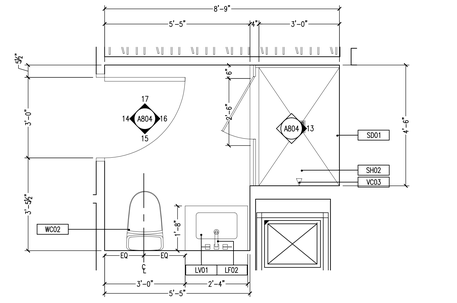
15 ELEVATION
SCALE: 1/2" = 1'-0" A-804.DWG



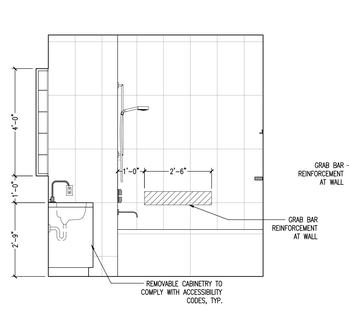
14 ELEVATION
SCALE: 1/2" = 1'-0" A-804.DWG



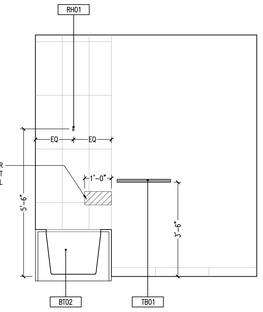
13 ELEVATION
SCALE: 1/2" = 1'-0" A-804.DWG



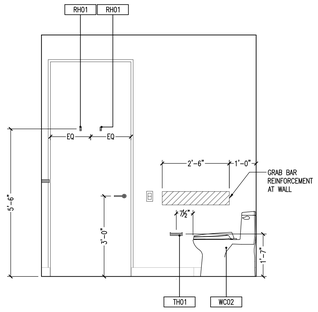
12 SECONDARY BATHROOM PLAN, TYPICAL
SCALE: 1/2" = 1'-0" A-804.DWG



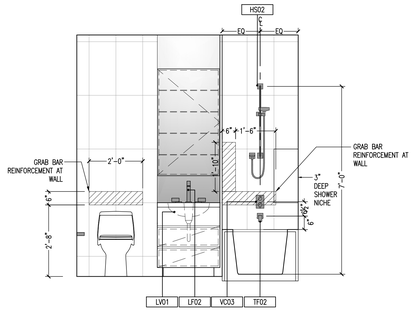
11 ELEVATION
SCALE: 1/2" = 1'-0" A-804.DWG



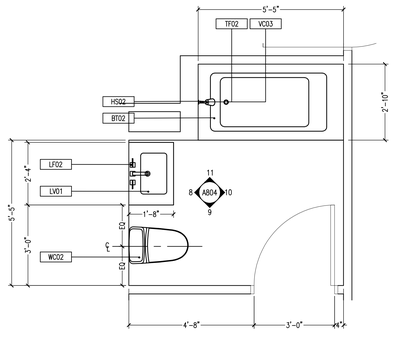
10 ELEVATION
SCALE: 1/2" = 1'-0" A-804.DWG



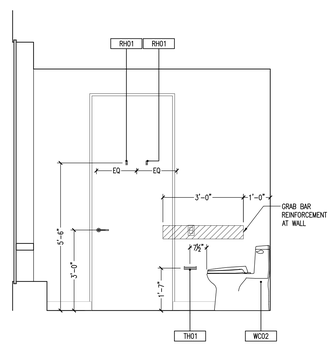
9 ELEVATION
SCALE: 1/2" = 1'-0" A-804.DWG



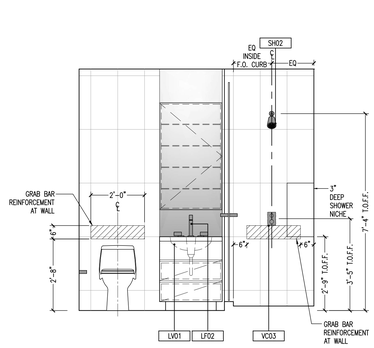
8 ELEVATION
SCALE: 1/2" = 1'-0" A-804.DWG



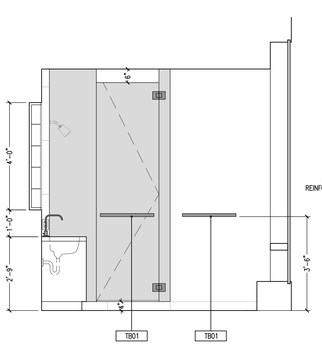
7 SECONDARY BATHROOM PLAN, TYPICAL
SCALE: 1/2" = 1'-0" A-804.DWG



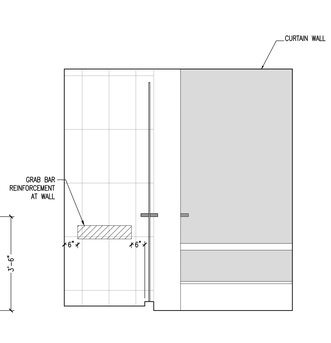
6 ELEVATION
SCALE: 1/2" = 1'-0" A-804.DWG



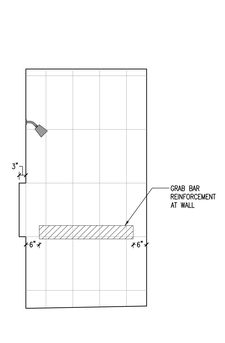
5 ELEVATION
SCALE: 1/2" = 1'-0" A-804.DWG



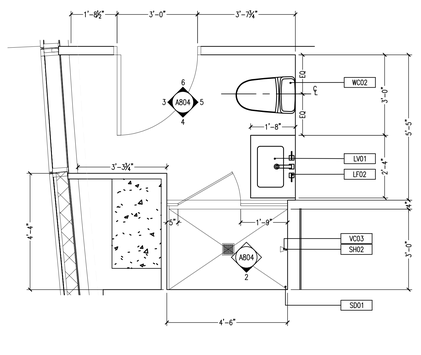
4 ELEVATION
SCALE: 1/2" = 1'-0" A-804.DWG



3 ELEVATION
SCALE: 1/2" = 1'-0" A-804.DWG

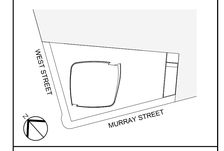


2 ELEVATION
SCALE: 1/2" = 1'-0" A-804.DWG



1 SECONDARY BATHROOM PLAN, TYPICAL
SCALE: 1/2" = 1'-0" A-804.DWG

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

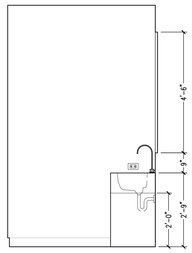
DWG TITLE:
BATHROOM ELEVATIONS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
OF NEW YORK

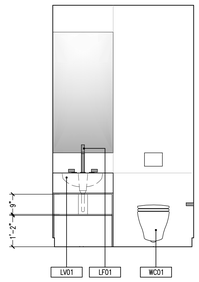
DATE:	09/15/14
PROJECT #:	13A26
SCALE:	1/2" = 1'-0"
	A-800.00
DWG NO.	

DEPT OF BLDGS 122132110 Job Number
B2006655037 Scan Code

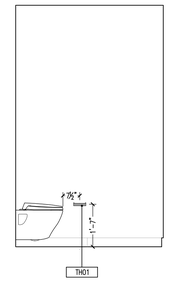
15 ELEVATION
SCALE: 1/2" = 1'-0" A-805.DWG



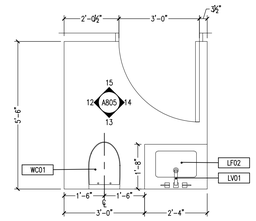
14 ELEVATION
SCALE: 1/2" = 1'-0" A-805.DWG



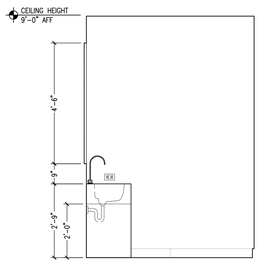
13 ELEVATION
SCALE: 1/2" = 1'-0" A-805.DWG



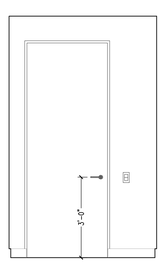
12 ELEVATION
SCALE: 1/2" = 1'-0" A-805.DWG



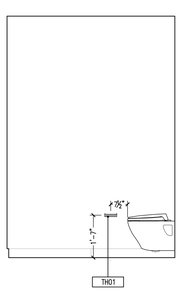
11 POWDER ROOM PLAN, UNIT A, FLOORS 4-11
SCALE: 1/2" = 1'-0" A-805.DWG



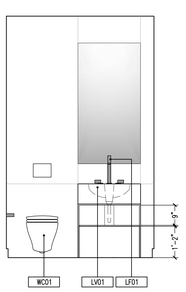
10 ELEVATION
SCALE: 1/2" = 1'-0" A-805.DWG



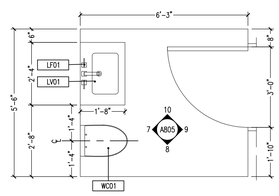
9 ELEVATION
SCALE: 1/2" = 1'-0" A-805.DWG



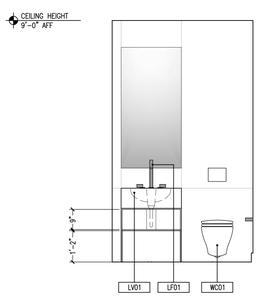
8 ELEVATION
SCALE: 1/2" = 1'-0" A-805.DWG



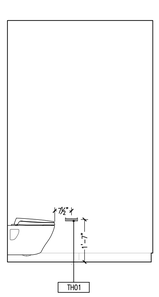
7 ELEVATION
SCALE: 1/2" = 1'-0" A-805.DWG



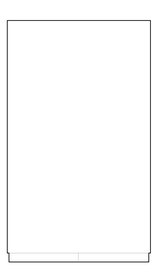
6 POWDER ROOM PLAN, TYPICAL
SCALE: 1/2" = 1'-0" A-805.DWG



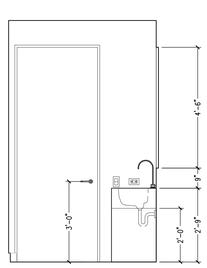
5 ELEVATION
SCALE: 1/2" = 1'-0" A-805.DWG



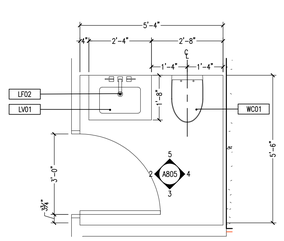
4 ELEVATION
SCALE: 1/2" = 1'-0" A-805.DWG



3 ELEVATION
SCALE: 1/2" = 1'-0" A-805.DWG

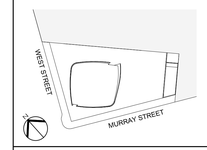


2 ELEVATION
SCALE: 1/2" = 1'-0" A-805.DWG



1 POWDER ROOM PLAN, TYPICAL
SCALE: 1/2" = 1'-0" A-805.DWG

KEY PLAN



Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 122132110

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
BATHROOM ELEVATIONS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
STEPHEN HILL
CORNELL UNIVERSITY
STATE OF NEW YORK

DATE: 09/15/14
PROJECT #: 13A26
SCALE: 1/2" = 1'-0"
DWG NO: A-805.00

DEPT OF BLDGS 121123210 Job Number
E57123080285 Scan Code

COM*check* Software Version 3.9.2

Envelope Compliance Certificate

2010 New York Energy Conservation Construction Code (by application of 90.1 (2007) Standard)

Section 1: Project Information

Project Type: **New Construction**
Project Title : 101 Murray

Construction Site:	Owner/Agent:	Designer/Contractor:
101 Murray Street New York, NY 10007	Henry V Murray Senior LLC 299 Park Avenue, 42nd Floor New York, NY 10171	Cosentini Associates Two Pennsylvania Plaza - Third Floor New York, NY 10121

Section 2: General Information

Building Location (for weather data):	**New York, New York**
Climate Zone:	**4a**
Building Space Conditioning Type(s):	**Residential**
Vertical Glazing / Wall Area Pct.:	**56%**

Building Type — **Floor Area**
Multifamily — 415203

Section 3: Envelope Assemblies

Envelope PASSES: Design 1% better than code.

Climate-Specific Requirements:

Component Name/Description	Gross Area or Perimeter	Cavity R-Value	Cont. R-Value	Proposed U-Factor	Budget U-Factor(a)
Wall Type 1 & 2: Other Steel Framed Wall (b)	222677	—	—	0.104	0.064
Curtainwall: Metal Frame Curtain Wall/Storefront:Double Pane with Low-E, Clear, SHGC 0.29	143531	—	—	0.310	0.500
MEP Enclosure: Metal Building Wall	8106	13.0	0.0	0.113	0.113
Tower Reveal: Metal Building Wall	471	13.0	0.0	0.113	0.113
Party Wall: Concrete Block,8", Solid Grouted,Medium Density , Furring: None	3587	—	11.4	0.074	0.090
Storefront: Other Steel Framed Wall (b)	8635	—	—	0.064	0.064
Tower Storefront: Metal Frame Curtain Wall/Storefront:Double Pane, Clear, SHGC 0.29, PF 0.85	6700	—	—	0.500	0.500
Pavilion Storefront: Metal Frame Curtain Wall/Storefront:Double Pane, Clear, SHGC 0.29	1935	—	—	0.500	0.500
Ground Slab/Cellar Roof: Insulation Entirely Above Deck	17602	—	20.0	0.048	0.048
Skylight on Grade: Metal Frame:Double Pane, Clear without Curb, SHGC 0.36	703	—	—	0.580	0.580
Tower Roof: Insulation Entirely Above Deck	8639	—	20.0	0.048	0.048
Pavilion Roof: Insulation Entirely Above Deck	2953	—	20.0	0.048	0.048
Basement: Solid Concrete:12" Thickness, Medium Density, Furring: None, Wall Ht 10.0, Depth B.G. 10.0	28127	—	7.5	0.103	0.108

(a) Budget U-factors are used for software baseline calculations ONLY, and are not code requirements.
(b) 'Other' components require supporting documentation for proposed U-factors.

Cooling Mode: Capacity = 18 kBtu/h,
Proposed Efficiency = 13.00 EER, Required Efficiency = 12.00 EER
Fan System: None

144 HPV-C (Single Zone) : Water Source Heat Pump
Heating Mode: Capacity = 20 kBtu/h,
Proposed Efficiency = 4.50 COP, Required Efficiency = 4.20 COP
Cooling Mode: Capacity = 26 kBtu/h,
Proposed Efficiency = 13.20 EER, Required Efficiency = 12.00 EER
Fan System: None

66 HPV-D (Single Zone) : Water Source Heat Pump
Heating Mode: Capacity = 37 kBtu/h,
Proposed Efficiency = 4.20 COP, Required Efficiency = 4.20 COP
Cooling Mode: Capacity = 34 kBtu/h,
Proposed Efficiency = 13.00 EER, Required Efficiency = 12.00 EER
Fan System: None

1 AC-1 (Single Zone) :
Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 286 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Field-Assembled DX System, Capacity = 216 kBtu/h, Water-Cooled Condenser
Proposed Efficiency = 10.80 EER, Required Efficiency = 10.80 EER
Fan System: None

1 AC-2 (Single Zone) :
Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 1000 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Field-Assembled DX System, Capacity = 544 kBtu/h, Water-Cooled Condenser
Proposed Efficiency = 10.80 EER, Required Efficiency = 10.80 EER
Fan System: None

1 AC-3 (Single Zone) :
Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 216 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Field-Assembled DX System, Capacity = 285 kBtu/h, Water-Cooled Condenser
Proposed Efficiency = 10.80 EER, Required Efficiency = 10.80 EER
Fan System: None

1 AC-4 (Single Zone) :
Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 1000 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Field-Assembled DX System, Capacity = 544 kBtu/h, Water-Cooled Condenser
Proposed Efficiency = 10.80 EER, Required Efficiency = 10.80 EER
Fan System: None

1 PDU-1 (Single Zone) :
Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 400 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Field-Assembled DX System, Capacity = 488 kBtu/h, Water-Cooled Condenser
Proposed Efficiency = 10.80 EER, Required Efficiency = 10.80 EER
Fan System: None

1 ERU-1 (Single Zone) :
Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 435 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Field-Assembled DX System, Capacity = 1107 kBtu/h, Water-Cooled Condenser
Proposed Efficiency = 16.30 EER, Required Efficiency = 10.80 EER
Fan System: None

1 ERU-2 (Single Zone) :
Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 696 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Field-Assembled DX System, Capacity = 1514 kBtu/h, Water-Cooled Condenser
Proposed Efficiency = 16.00 EER, Required Efficiency = 10.80 EER
Fan System: None

1 ERU-3 (Single Zone) :
Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 851 kBtu/h
No minimum efficiency requirement applies
Cooling: 1 each - Field-Assembled DX System, Capacity = 914 kBtu/h, Water-Cooled Condenser
Proposed Efficiency = 16.20 EER, Required Efficiency = 10.80 EER
Fan System: None

1 ERU-4 (Single Zone) :
Heating: 1 each - Hydronic or Steam Coil, Hot Water, Capacity = 220 kBtu/h

90.1 (2007) Standard	Plan Review	Complies?	Comments/Assumptions
4.2.2 [PR1][1]	Plans and/or specifications provide all information with which compliance can be determined for the building envelope and document where exceptions to the standard are claimed.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
4.2.2, 6.4.2 [PR2]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the mechanical systems and equipment and document where exceptions to the standard are claimed. Load calculations per acceptable engineering standards and handbooks.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.
4.2.2, 7.4.1 [PR3][1]	Plans, specifications, and/or calculations provide all information with which compliance can be determined for the service water heating systems and equipment and document where exceptions to the standard are claimed. Hot water system sized per manufacturer's sizing guide.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.
6.7.2.4 [PR5][1]	Detailed instructions for HVAC systems commissioning included on the plans or specifications for projects >=50,000 ft2.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.

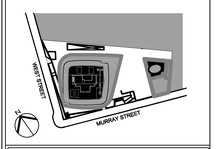
Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

90.1 (2007) Standard	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.4.1.4, 6.4.1.5 [ME1][1]	HVAC equipment efficiency verified. Non-NAECA HVAC equipment labeled as meeting 90.1.	Efficiency:_____	Efficiency:_____	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	*See the Mechanical Systems list for values.*
6.4.3.4.1 [ME3][1]	Elev and elevator shaft vents have motorized dampers that automatically close.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.3.4.2, 6.4.3.4.3, 6.4.3.4.4 [ME4][1]	Outdoor air and exhaust systems have motorized dampers that automatically shut when not in use and meet maximum leakage rates. Check gravity dampers where allowed.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
6.4.3.4.5 [ME5][1]	Ventilation fans >0.75 hp have automatic controls to shut off fan when not required.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** HVAC systems intended to operate continuously.
6.4.3.9 [ME6][1]	Demand control ventilation provided for spaces >500 ft2 and >40 people/1000 ft2 occupant density and served by systems with air side economizer, auto modulating outside air damper control, or design airflow >3,000 cfm.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Systems with heat recovery.
6.4.4.1.1 [ME7][1]	Insulation exposed to weather protected from damage. Insulation outside of the conditioned space and associated with cooling systems is vapor retardant.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.4.1.2 [ME8][1]	HVAC ducts and plenums insulated.	R-_____	R-_____	☐Complies ☐Does Not Comply	Requirement will be met.
6.4.4.1.3 [ME9][1]	HVAC piping insulation thickness.	____ in.	____ in.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.4.2.1 [ME10][1]	Ducts and plenums sealed based on static pressure and location.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for NHP-A.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for NHP-B.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for NHP-C.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for NHP-D.*

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

1	09/15/14	DOB ISSUE
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSON FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
ENERGY COMPLIANCE
1-2

SEAL & SIGNATURE:
STATE OF NEW YORK — MICHAEL W. BUSH — 035931 — LICENSED PROFESSIONAL ENGINEER

DATE:
PROJECT #: 140006
SCALE: NTS

EN-001.00
DWG NO.
01 OF 02

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Section 4: Compliance Statement

Compliance Statement The proposed envelope design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed envelope system has been designed to meet the 2010 New York Energy Conservation Construction Code (by application of 90.1 (2007) Standard) requirements in COMcheck Version 3.9.2 and to comply with the mandatory requirements in the Requirements Checklist.

Michael Maybaum Executive Vice President — Name - Title
Signature
09/11/14 — Date

No minimum efficiency requirement applies
Cooling: 1 each - Field-Assembled DX System, Capacity = 560 kBtu/h, Water-Cooled Condenser
Proposed Efficiency = 16.30 EER, Required Efficiency = 10.80 EER
Fan System: None

1 Plant 1:
Heating: Hot Water Boiler, Capacity 8000 kBtu/h, Gas, with Waterloop Heat Pump
Proposed Efficiency: 89.00 % Et, Required Efficiency: 82.00 % Et

Section 5: Compliance Statement

Compliance Statement The proposed mechanical design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed mechanical systems have been designed to meet the 2010 New York Energy Conservation Construction Code (by application of 90.1 (2007) Standard) requirements in COMcheck Version 3.9.2 and to comply with the mandatory requirements in the Requirements Checklist.

Michael Maybaum Executive Vice President — Name - Title
Signature
09/11/14 — Date

Section 6: Post Construction Compliance Statement

- ☐ HVAC record drawings of the actual installation and performance data for each equipment provided to the owner within 90 days after system acceptance.
- ☐ HVAC O&M documents for all mechanical equipment and system provided to the owner within 90 days after system acceptance.
- ☐ Written HVAC balancing report provided to the owner.

The above post construction requirements have been completed.

Principal Mechanical Designer-Name — Signature — Date

90.1 (2007) Standard	Footing / Foundation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.5.3.3 [FO1][1]	Below-grade wall insulation R-value.	R-_____	R-_____	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.8.1.2 [FO2][1]	Below-grade wall insulation installed per manufacturer's instructions.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.5.3.5 [FO3][1]	Slab edge insulation R-value.	R-_____ ☐ Unheated ☐ Heated	R-_____ ☐ Unheated ☐ Heated	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.5.3.5 [FO5][1]	Slab edge insulation depth/length.	_____ft	_____ft	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.8.1.7.3 [FO7][1]	Insulation in contact with the ground has <=0.3% water absorption rate per ASTM C272.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
6.4.3.8 [FO8][1]	Freeze protection and snow/ice melting system sensors for future connection to controls.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

90.1 (2007) Standard	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for HPV-A.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for HPV-B.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for HPV-C.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for HPV-D.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for AC-1.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for AC-2.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for AC-3.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for AC-4.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for PDU-1.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for ERU-1.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for ERU-2.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for ERU-3.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for ERU-4.*

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

COM*check* Software Version 3.9.2

Mechanical Compliance Certificate

2010 New York Energy Conservation Construction Code (by application of 90.1 (2007) Standard)

Section 1: Project Information

Project Type: **New Construction**
Project Title : 101 Murray

Construction Site:	Owner/Agent:	Designer/Contractor:
101 Murray Street New York, NY 10007	Henry V Murray Senior LLC 299 Park Avenue, 42nd Floor New York, NY 10171	Cosentini Associates Two Pennsylvania Plaza - Third Floor New York, NY 10121

Section 2: General Information

Building Location (for weather data):	**New York, New York**
Climate Zone:	**4a**

Section 3: Mechanical Systems List

Quantity System Type & Description

1 HHP-A (Single Zone) : Water Source Heat Pump
Heating Mode: Capacity = 12 kBtu/h,
Proposed Efficiency = 4.55 COP, Required Efficiency = 4.20 COP
Cooling Mode: Capacity = 9 kBtu/h,
Proposed Efficiency = 11.20 EER, Required Efficiency = 11.20 EER
Fan System: None

11 HHP-B (Single Zone) : Water Source Heat Pump
Heating Mode: Capacity = 16 kBtu/h,
Proposed Efficiency = 4.56 COP, Required Efficiency = 4.20 COP
Cooling Mode: Capacity = 11 kBtu/h,
Proposed Efficiency = 11.20 EER, Required Efficiency = 11.20 EER
Fan System: None

13 HHP-C (Single Zone) : Water Source Heat Pump
Heating Mode: Capacity = 22 kBtu/h,
Proposed Efficiency = 4.33 COP, Required Efficiency = 4.20 COP
Cooling Mode: Capacity = 16 kBtu/h,
Proposed Efficiency = 11.40 EER, Required Efficiency = 11.20 EER
Fan System: None

10 HHP-D (Single Zone) : Water Source Heat Pump
Heating Mode: Capacity = 30 kBtu/h,
Proposed Efficiency = 4.50 COP, Required Efficiency = 4.20 COP
Cooling Mode: Capacity = 22 kBtu/h,
Proposed Efficiency = 12.60 EER, Required Efficiency = 12.00 EER
Fan System: None

135 HPV-A (Single Zone) : Water Source Heat Pump.
Heating Mode: Capacity = 13 kBtu/h,
Proposed Efficiency = 4.20 COP, Required Efficiency = 4.20 COP
Cooling Mode: Capacity = 15 kBtu/h,
Proposed Efficiency = 13.00 EER, Required Efficiency = 11.20 EER
Fan System: None

151 HPV-B (Single Zone) : Water Source Heat Pump
Heating Mode: Capacity = 15 kBtu/h,
Proposed Efficiency = 4.20 COP, Required Efficiency = 4.20 COP

COM*check* Software Version 3.9.2

Inspection Checklist

Requirements: 83.0% were addressed directly in the COM*check* software

Text in the "Comments/Assumptions" column is provided by the user in the COMcheck Requirements screen. For each requirement, the user certifies that a code requirement will be met and how that is documented, or that an exception is being claimed. Where compliance is itemized in a separate table, a reference to that table is provided.

90.1 (2007) Standard	Framing / Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.4.3.2 [FR1][1]	Factory-built fenestration and doors are labeled as meeting air leakage requirements.	Fenestration_____ cfm/ft2 Doors_____ cfm/ft2	Fenestration_____ cfm/ft2 Doors_____ cfm/ft2	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.4.3.4 [FR4][1]	Vestibules are installed where building entrances separate conditioned space from the exterior, and meet exterior envelope requirements. Doors have self-closing devices. and are >=7 ft apart.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.5.4.3a [FR8][1]	Vertical fenestration U-Factor.	U-_____	U-_____	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.5.4.3b [FR9][1]	Skylight fenestration U-Factor.	U-_____	U-_____	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.5.4.4.1 [FR10][1]	Vertical fenestration SHGC value.	SHGC:_____	SHGC:_____	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.5.4.4.2 [FR11][1]	Skylight SHGC value.	SHGC:_____	SHGC:_____	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.8.2.1, 5.8.2.4 [FR12][1]	Fenestration products rated in accordance with NFRC.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.8.2.2 [FR13][1]	Fenestration products are certified as to performance labels or certificates provided.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.8.2.3, 5.5.3.6 [FR14][1]	U-factor of opaque doors associated with the building thermal envelope meets requirements.	U-_____ ☐ Swinging ☐ Nonswinging	U-_____ ☐ Swinging ☐ Nonswinging	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

90.1 (2007) Standard	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.2.2.3 [ME18][1]	Hydronic heat pump systems connected to a common water loop meet heat rejection and heat addition requirements.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for Plant 1.*
6.5.2.3 [ME19][1]	Dehumidification controls provided to prevent reheating, recooling, mixing of hot and cool airstreams or concurrent heating and cooling of the same airstream.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.
6.5.4.1 [ME25][1]	HVAC pumping systems >10 hp designed for variable fluid flow.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.
6.5.4.2 [ME26][1]	Reduce flow in pumping systems >10 hp. to multiple chillers or boilers when others are shut down.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for AC-1.*
6.5.4.2 [ME26][1]	Reduce flow in pumping systems >10 hp. to multiple chillers or boilers when others are shut down.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for AC-2.*
6.5.4.2 [ME26][1]	Reduce flow in pumping systems >10 hp. to multiple chillers or boilers when others are shut down.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for AC-3.*
6.5.4.2 [ME26][1]	Reduce flow in pumping systems >10 hp. to multiple chillers or boilers when others are shut down.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for AC-4.*
6.5.4.2 [ME26][1]	Reduce flow in pumping systems >10 hp. to multiple chillers or boilers when others are shut down.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for PDU-1.*
6.5.4.2 [ME26][1]	Reduce flow in pumping systems >10 hp. to multiple chillers or boilers when others are shut down.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for ERU-1.*
6.5.4.2 [ME26][1]	Reduce flow in pumping systems >10 hp. to multiple chillers or boilers when others are shut down.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for ERU-2.*
6.5.4.2 [ME26][1]	Reduce flow in pumping systems >10 hp. to multiple chillers or boilers when others are shut down.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for ERU-3.*
6.5.4.2 [ME26][1]	Reduce flow in pumping systems >10 hp. to multiple chillers or boilers when others are shut down.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for ERU-4.*
6.5.4.3 [ME27][1]	Temperature reset by representative building loads in pumping systems >10 hp for chiller and boiler systems >300,000 Btu/h.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Hydronic systems using variable flow to reduce energy. *See the Mechanical Systems list for values for AC-1.*
6.5.4.3 [ME27][1]	Temperature reset by representative building loads in pumping systems >10 hp for chiller and boiler systems >300,000 Btu/h.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Hydronic systems using variable flow to reduce energy. *See the Mechanical Systems list for values for AC-2.*

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

90.1 (2007) Standard	Mechanical Rough-In Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for AC-3.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for AC-4.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for PDU-1.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for ERU-1.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechanical Systems list for values for ERU-2.*
6.4.4.2.2 [ME11][1]	Ductwork operating >3 in. water column requires air leakage testing.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply. *See the Mechan

DEPT OF BLDGS 121123210 Job Number
E30060140025 Scan Code

90.1 (2007) Standard	Mechanical Rough-in Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.4.3 [ME27]1	Temperature reset by representative building loads in pumping systems >10 hp for chiller and boiler systems >300,000 Btu/h.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Hydronic systems using variable flow to reduce energy. *See the Mechanical Systems list for values for AC-4.*
6.5.4.3 [ME27]1	Temperature reset by representative building loads in pumping systems >10 hp for chiller and boiler systems >300,000 Btu/h.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Hydronic systems using variable flow to reduce energy. *See the Mechanical Systems list for values for PDU-1.*
6.5.4.3 [ME27]1	Temperature reset by representative building loads in pumping systems >10 hp for chiller and boiler systems >300,000 Btu/h.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Hydronic systems using variable flow to reduce energy. *See the Mechanical Systems list for values for ERU-1.*
6.5.4.3 [ME27]1	Temperature reset by representative building loads in pumping systems >10 hp for chiller and boiler systems >300,000 Btu/h.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Hydronic systems using variable flow to reduce energy. *See the Mechanical Systems list for values for ERU-2.*
6.5.4.3 [ME27]1	Temperature reset by representative building loads in pumping systems >10 hp for chiller and boiler systems >300,000 Btu/h.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Hydronic systems using variable flow to reduce energy. *See the Mechanical Systems list for values for ERU-3.*
6.5.4.3 [ME27]1	Temperature reset by representative building loads in pumping systems >10 hp for chiller and boiler systems >300,000 Btu/h.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Hydronic systems using variable flow to reduce energy. *See the Mechanical Systems list for values for Plant 1.*
6.5.4.4 [ME28]1	Two-position automatic valve interlocked to shut off water flow when hydronic heat pump with pumping system >10 hp is off.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for Plant 1.*
6.5.6.1 [ME30]1	Exhaust air energy recovery on systems >=5,000 cfm and 70% of design supply air.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.
6.5.7.1 [ME32]1	Kitchen hoods >5,000 cfm have make up air >=50% of exhaust air volume.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
6.5.7.2 [ME33]1	Fume hoods exhaust systems >=15,000 cfm have VAV hood exhaust and supply systems, direct make-up air or heat recovery.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
6.5.8.1 [ME34]1	Unenclosed spaces that are heated use only radiant heat.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	**Exception:** Requirement does not apply.
6.5.9 [ME35]1	Hot gas bypass limited to: <=240 kBtu/h – 50% >240 kBtu/h – 25%			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for AC-1.*
6.5.9 [ME35]1	Hot gas bypass limited to: <=240 kBtu/h – 50% >240 kBtu/h – 25%			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for AC-2.*

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

90.1 (2007) Standard	Mechanical Rough-in Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.9 [ME35]1	Hot gas bypass limited to: <=240 kBtu/h – 50% >240 kBtu/h – 25%			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for AC-3.*
6.5.9 [ME35]1	Hot gas bypass limited to: <=240 kBtu/h – 50% >240 kBtu/h – 25%			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for AC-4.*
6.5.9 [ME35]1	Hot gas bypass limited to: <=240 kBtu/h – 50% >240 kBtu/h – 25%			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for PDU-1.*
6.5.9 [ME35]1	Hot gas bypass limited to: <=240 kBtu/h – 50% >240 kBtu/h – 25%			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for ERU-1.*
6.5.9 [ME35]1	Hot gas bypass limited to: <=240 kBtu/h – 50% >240 kBtu/h – 25%			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for ERU-2.*
6.5.9 [ME35]1	Hot gas bypass limited to: <=240 kBtu/h – 50% >240 kBtu/h – 25%			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for ERU-3.*
6.5.2.2.1 [ME50]1	Three-pipe hydronic systems using a common return for hot and chilled water are not used.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for AC-1.*
6.5.2.2.1 [ME50]1	Three-pipe hydronic systems using a common return for hot and chilled water are not used.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for AC-2.*
6.5.2.2.1 [ME50]1	Three-pipe hydronic systems using a common return for hot and chilled water are not used.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for AC-3.*
6.5.2.2.1 [ME50]1	Three-pipe hydronic systems using a common return for hot and chilled water are not used.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for AC-4.*
6.5.2.2.1 [ME50]1	Three-pipe hydronic systems using a common return for hot and chilled water are not used.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for PDU-1.*
6.5.2.2.1 [ME50]1	Three-pipe hydronic systems using a common return for hot and chilled water are not used.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for ERU-1.*
6.5.2.2.1 [ME50]1	Three-pipe hydronic systems using a common return for hot and chilled water are not used.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for ERU-2.*
6.5.2.2.1 [ME50]1	Three-pipe hydronic systems using a common return for hot and chilled water are not used.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for ERU-3.*

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

90.1 (2007) Standard	Mechanical Rough-in Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
6.5.2.2.1 [ME50]1	Three-pipe hydronic systems using a common return for hot and chilled water are not used.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for AC-4.*

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

90.1 (2007) Standard	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.4.3.1 [IN1]1	All sources of air leakage in the building thermal envelope are sealed, caulked, gasketed, weather stripped or wrapped with moisture vapor-permeable wrapping material to minimize air leakage.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.5.3.1 [IN2]1	Roof R-value. For some ceiling systems, verification may need to occur during Framing Inspection.	R-_____ ☐ Above deck ☐ Metal ☐ Attic	R-_____ ☐ Above deck ☐ Metal ☐ Attic	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.8.1.2, 5.8.1.3 [IN3]1	Roof insulation installed per manufacturer's instructions. Blown or poured loose-fill insulation is installed only where the roof slope is <=3 in 12.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.5.3.1 [IN4]1	Skylight curbs are insulated to the level of roofs with insulation above deck or R-5.	R-_____	R-_____	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.5.3.1.1 [IN5]1	High-albedo roofs meet solar reflectance of 0.70 and thermal emittance of 0.75 or SRI of 82.	SR:_____ SRI:_____	SR:_____ SRI:_____	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.5.3.2 [IN6]1	Above-grade wall insulation R-value.	R-_____ ☐ Mass ☐ Metal ☐ Steel ☐ Wood	R-_____ ☐ Mass ☐ Metal ☐ Steel ☐ Wood	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.8.1.2 [IN7]1	Above-grade wall insulation installed per manufacturer's instructions.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.5.3.4 [IN8]1	Floor insulation R-value.	R-_____ ☐ Mass ☐ Steel ☐ Wood	R-_____ ☐ Mass ☐ Steel ☐ Wood	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	*See the Envelope Assemblies table for values.*
5.8.1.1 [IN10]1	Building envelope insulation is labeled with R-value or insulation certificate providing R-value and other relevant data.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.8.1.4 [IN11]1	Eaves are baffled to deflect air to above the insulation.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.8.1.5 [IN12]1	Insulation is installed in substantial contact with the inside surface separating conditioned space from unconditioned space.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.8.1.6 [IN13]1	Recessed equipment installed in building envelope assemblies does not compress the adjacent insulation.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

90.1 (2007) Standard	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.8.1.7 [IN14]1	Exterior insulation is protected from damage with a protective material. Verification for exposed foundation insulation may need to occur during Foundation Inspection.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.8.1.7.1 [IN15]1	Attics and mechanical rooms have insulation protected where adjacent to attic or equipment access.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.8.1.7.2 [IN16]1	Foundation vents do not interfere with insulation.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.8.1.8 [IN17]1	Insulation intended to meet the roof insulation requirements cannot be installed on top of a suspended ceiling. Mark this requirement compliant if insulation is installed above/on the roof.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

90.1 (2007) Standard	Final Inspection	Complies?	Comments/Assumptions
5.4.3.3 [F11]1	Weatherseals installed on all loading dock cargo doors in Climate Zones 4-8.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
6.4.3.1.1 [F12]1	Heating and cooling to each zone is controlled by a thermostat control.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.3.1.2, 6.4.3.2, 6.4.3.3, 6.4.3.3.1, 6.4.3.3.2 [F13]1	Thermostatic controls have a 5 °F deadband.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.3.5 [F15]1	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for HHP-A.*
6.4.3.5 [F15]1	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for HHP-B.*
6.4.3.5 [F15]1	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for HHP-C.*
6.4.3.5 [F15]1	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for HHP-D.*
6.4.3.5 [F15]1	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for HPV-A.*
6.4.3.5 [F15]1	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for HPV-B.*
6.4.3.5 [F15]1	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for HPV-C.*
6.4.3.5 [F15]1	Heat pump controls prevent supplemental electric resistance heat from coming on when not needed.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met. *See the Mechanical Systems list for values for HPV-D.*
6.4.3.7 [F16]1	When humidification and dehumidification are provided to a zone, simultaneous operation is prohibited.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.
6.7.2.1 [F17]1	Furnished HVAC as-built drawings submitted within 90 days of system acceptance.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.
6.7.2.2 [F18]1	Furnished O&M manuals for HVAC systems within 90 days of system acceptance.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

90.1 (2007) Standard	Final Inspection	Complies?	Comments/Assumptions
6.7.2.3 [F19]1	An air and/or hydronic system balancing report is provided for HVAC systems serving zones >5,000 ft2 of conditioned area.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.
6.7.4.4 [F110]1	HVAC control systems have been tested to ensure proper operation, calibration and adjustment of controls.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.3.2 [F120]1	Temperature controls have setpoint overlap restrictions.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.3.3.1 [F121]1	HVAC systems equipped with at least one automatic shutdown control.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.
6.4.3.3.2 [F122]1	Setback controls allow automatic restart and temporary operation as required for maintenance.	☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	Requirement will be met.

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

101 Murray Street
Lighting Power Density
Compliance with 2010 New York City Energy Conservation Code using Building Area Type Method

Section 1: Project Information
Project type: New
Project title: 101 Murray Street

Construction Site:	Owner/Agent:	Designer/Contractor
101 Murray Street New York, New York	Henry Murray Senior LLc. New York, NY 10171	Cosentini Associates 2 Penn Plaza, New York, NY 10121

Section 2: General Information
Building Area Type: Multi-Family

Floor	Space Description	Area (ft²)	Energy Code Allowance Unit LPD Allowance (watt)	Energy Code Allowance Lighting Power Allowance (Watts)	Design Installed Lighting Power (Watts)	Design Installed LPD (W/ft²)	Lighting Power Compliance
1	Lobby (Area Varies Between)	20,139	0.7	21,097	13,901	0.69	-8,294
1M	Lobby Mezzanine (Area Varies Between)	2,178	0.7	2,281	1,440	0.66	-841
1R	Level 1 Recycling	1,709	0.7	1,789	1,153	0.67	-636
2	Level 2 Mechanical	9,815	0.7	10,111	3,150	0.32	-6961
2R	Level 2 Recycling						
3	Residential Floor Level 3	6,170	0.7	4,312	2,422	0.39	-1894
4	Residential Floor Level 4	6,170	0.7	4,312	2,422	0.39	-1894
5	Residential Floor Level 5	6,222	0.7	4,348	2,422	0.39	-1,926
6	Residential Floor Level 6	5,988	0.7	4,185	2,422	0.40	-1763
7	Residential Floor Level 7	5,878	0.7	4,108	2,422	0.41	-1,686
8	Residential Floor Level 8	5,872	0.7	4,140	2,422	0.41	-1687
9	Residential Floor Level 9	5,872	0.7	4,140	2,422	0.41	-1687
10	Residential Floor Level 10	5,722	0.7	4,035	2,422	0.42	-1,565
11	Residential Floor Level 11	5,778	0.7	4,071	2,422	0.42	-1609
12	Residential Floor Level 12	5,778	0.7	4,040	2,422	0.42	-1587
13	Residential Floor Level 13	5,722	0.7	3,983	2,422	0.42	-1568
14	Residential Floor Level 14	5,722	0.7	3,983	2,422	0.42	-1568
15	Residential Floor Level 15	5,691	0.7	3,962	2,422	0.43	-1,540
16	Residential Floor Level 16	5,682	0.7	3,954	2,422	0.43	-1561
17	Residential Floor Level 17	5,683	0.7	3,917	2,422	0.43	-1,524
18	Residential Floor Level 18	5,672	0.7	3,976	2,422	0.43	-1,541
19	Residential Floor Level 19	5,658	0.7	3,966	2,422	0.43	-1542
20	Residential Floor Level 20	5,636	0.7	3,962	2,422	0.43	-1539
21	Residential Floor Level 21	5,636	0.7	3,962	2,422	0.43	-1539
22	Residential Floor Level 22	5,651	0.7	3,956	2,422	0.43	-1,533
23	Residential Floor Level 23	5,652	0.7	3,955	2,422	0.43	-1533
24	Residential Floor Level 24	5,652	0.7	3,955	2,422	0.43	-1533
25	Residential Floor Level 25	5,652	0.7	3,956	2,422	0.43	-1533
26	Mechanical	5,652	0.7	3,956	2,422	0.43	-1533
27	Residential Floor Level 27	5,616	0.7	4,073	2,422	0.43	-1,650
28	Residential Floor Level 28	5,622	0.7	4,076	2,422	0.43	-1653
29	Residential Floor Level 29	5,622	0.7	4,062	2,422	0.43	-1640
30	Residential Floor Level 30	5,594	0.7	4,061	2,422	0.43	-1640
31	Residential Floor Level 31	5,601	0.7	4,136	2,422	0.43	-1,697
32	Residential Floor Level 32	5,597	0.7	4,133	2,422	0.43	-1697
33	Residential Floor Level 33	5,597	0.7	4,133	2,422	0.43	-1697
34	Residential Floor Level 34	5,598	0.7	4,134	2,422	0.43	-1711
35	Residential Floor Level 35	5,538	0.7	4,146	2,422	0.44	-1725
36	Residential Floor Level 36	5,546	0.7	4,152	2,422	0.44	-1729
37	Residential Floor Level 37	5,569	0.7	4,135	2,422	0.44	-1,755
38	Residential Floor Level 38	5,569	0.7	4,135	2,422	0.44	-1755
39	Residential Floor Level 39	5,478	0.7	4,116	2,422	0.44	-1692
40	Residential Floor Level 40	5,508	0.7	4,139	2,422	0.44	-1717
41	Residential Floor Level 41	5,545	0.7	4,158	2,422	0.44	-1736
42	Residential Floor Level 42	5,575	0.7	4,193	2,422	0.44	-1,760
43	Residential Floor Level 43	5,622	0.7	4,193	2,422	0.44	-1760
44	Residential Floor Level 44	5,622	0.7	4,193	2,422	0.44	-1771
45	Residential Floor Level 45	5,702	0.7	4,252	2,422	0.43	-1849
46	Residential Floor Level 46	5,702	0.7	4,304	2,422	0.44	-1883
47	Residential Floor Level 47	5,200	0.7	4,344	2,422	0.44	-1921
48	Residential Floor Level 48	5,200	0.7	4,160	2,422	0.44	-1963
49	Residential Floor Level 49	5,102	0.7	4,425	2,422	0.53	-2002
50	Residential Floor Level 50	5,618	0.7	4,624	2,422	0.53	-2,201
51	Residential Floor Level 51	5,618	0.7	4,624	2,422	0.53	-2201
52	Residential Floor Level 52	5,662	0.7	4,577	2,422	0.51	-2154
53	Residential Floor Level 53	5,765	0.7	4,736	2,422	0.51	-2314
54	Residential Floor Level 54	5,806	0.7	4,769	2,422	0.50	-2,374
55	Residential Floor Level 55	7,242	0.7	5,947	2,422	0.48	-3525
56	Residential Floor Level 56	7,242	0.7	5,947	2,422	0.48	-3525
57	Residential Floor Level 57	7,242	0.7	5,132	2,422	0.48	-2716
58	Residential Floor Level 58	5,236	0.7	3,701	2,422	0.44	-1,339
59	Mechanical	4,656	0.7	3,258	3,505	0.56	-665
60	Mechanical	1,331	0.7	840	0	0.00	-840
61	Mechanical	1,331	0.7	931	0	0.00	-931
	Total Project Compliance	407,344	0.7	287,541	162,181	0.40	-113,760

Exterior Lighting

Floor	Space Description	Length	Energy Code Allowance Unit LPD Allowance (W/ft)	Energy Code Allowance Lighting Power Allowance (Watts)	Design Installed Lighting Power (Watts)	Design Installed LPD (W/LF)	Lighting Power Compliance
	North and East Façade lighting	1,151	7.00	8,974	5,282	0.69	-693
	Vines and Roof	1,143	5.00	8,192	5,277	0.50	-923
	Total Project Compliance	1,521	0.19	17,808	12,859	0.00	0

Exterior Lighting

Floor	Space Description	Area (ft²)	Energy Code Allowance Unit LPD Allowance (W/ft²)	Energy Code Allowance Lighting Power Allowance (Watts)	Design Installed Lighting Power (Watts)	Design Installed LPD (W/ft²)	Lighting Power Compliance
0	Pavia	17,830	0.20	3,566	3,415	0.19	-152
	Total Project Compliance	17,830	0.2	3,566	3,415	0.19	-152

Section 3: Requirements Checklist
Interior Lighting
X 1. Total proposed watts must be less than or equal to total allowed watts
Allowed Watts: 287,541
Proposed Watts: 161,181
Complies: YES
X 2. Exit signs 5 Watts or less per side.
Interior Lighting
X 3. Total proposed watts must be less than or equal to total allowed watts
Allowed Watts: 17,556
Proposed Watts: 15,923
Complies: Yes
Controls, Switching and Aisling:
X 4. Independent manual or occupancy sensing switch for each space whereby switch will (indicate 'allowed by safety or security):
ONA 5. Occupancy sensors shall be installed in all classrooms, conference/meeting rooms and employee lunch and break rooms.
Exceptions: Spaces with multi-scene control, play classrooms, laboratory classrooms, and preschool through 12th grade classrooms.
X 6. Automatic shutoff control for lighting in >5000 sq ft Building by time of day device, occupant sensor or other automatic control.
Exceptions: 24 hour operation lighting, patient care areas, where safe shutoff would endanger safety or security
ONA 7. Master switch at entry to hotel/motel guest room.
X 8. Switches capable of selective shutoff for display/accent lighting, case lighting, task lighting, numerical lighting, lighting for sale, and demonstration lighting.
ONA 9. Switches and controls for and three-ring halls/ballrooms/arenas (No single-lamp lavatory).
Exceptions:
Electronic high-frequency ballasts
Luminaires not on same switch
Recessed fluorescent 150 watts or surface/pendant not continuous
Voltage Drop Design
X 10. Feeder conductors have been designed for a maximum voltage drop of 2 percent (maximum of 4 percent for exclusive residential feeders)
X 11. Branch circuit conductors have been designed for a maximum voltage drop of 2 percent (maximum of 1 percent for exclusive residential feeders)
X 12. Total maximum voltage drop to the last outlet has been designed for a maximum of 5 percent.

Section 4: Compliance Statement
The lighting equipment specified in the proposed lighting design represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting system has been designed to meet the 2010 New York City Energy Conservation Code and to comply with the mandatory requirements of this requirements checklist.

Michael Maybaum Executive Vice President — 09/10/14

1 of 1

90.1 (2007) Standard	Insulation Inspection	Plans Verified Value	Field Verified Value	Complies?	Comments/Assumptions
5.8.1.7 [IN14]1	Exterior insulation is protected from damage with a protective material. Verification for exposed foundation insulation may need to occur during Foundation Inspection.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.8.1.7.1 [IN15]1	Attics and mechanical rooms have insulation protected where adjacent to attic or equipment access.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.8.1.7.2 [IN16]1	Foundation vents do not interfere with insulation.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	
5.8.1.8 [IN17]1	Insulation intended to meet the roof insulation requirements cannot be installed on top of a suspended ceiling. Mark this requirement compliant if insulation is installed above/on the roof.			☐Complies ☐Does Not Comply ☐Not Observable ☐Not Applicable	

Additional Comments/Assumptions:

1 High Impact (Tier 1) | 2 Medium Impact (Tier 2) | 3 Low Impact (Tier 3)

Table 9 - Progress inspections and tests described in Table 8 shall be performed for buildings registered by either DOI Chapter 3 or ASHRAE 90.1 as applicable.

	Inspection/Test	Periodic Inspection and Test Required by DOI Chapter 3	ASCE or Other Standard
A.	**Mechanical and Service Water Heating Inspections**		
1001	**Footings:** Proper soil conditions at net bearing pressure shall be verified.	Prior to first placement of concrete	Approved construction documents; IBC Sec. 1803.3.2; ASCE/SEI 7 Chapter 20
1002	**Seismic or hurricane anchorage:** Inspection of wood sill bolts and anchorage, including size, spacing and embedment, and hold-down connectors and straps at braced wall panels and portal frames for gravity load(s), comply with approved construction documents. Manufacturer's literature shall be reviewed to verify that the product has been tested and found to meet the standard.	Prior to first placement of concrete	Approved construction documents; IBC Sec. 1905
1003	**HVAC, service water heating and equipment sizing and performance:** Inspection of HVAC, service water heating and equipment sizing and performance tests, as determined by the applicant of record, and to verify that other HVAC and service water heating systems are constructed in accordance with manufacturer's data. Duct testing and sizing shall be verified by visual inspection.	Prior to first placement of concrete for foundations and superstructure inspection	Approved construction documents	505.4.1; 505.4.2; 505.4.3; 505.4.4; 505.4.5; 505.4.6; 505.4.7; 505.4.8; 505.4.9; 505.4.10; 505.4.11; 505.4.12; 505.4.13; 505.4.14; 505.4.15; 505.4.16; 505.4.17; 505.4.18; 505.4.19; 505.4.20; 505.4.21; 505.4.22; 505.4.23; 505.4.24; 505.4.25; 505.4.26; 505.4.27; 505.4.28; 505.4.29; 505.4.30; 505.4.31; 505.4.32; 505.4.33; 505.4.34; 505.4.35; 505.4.36; 505.4.37; 505.4.38; 505.4.39; 505.4.40; 505.4.41; 505.4.42; 505.4.43; 505.4.44; 505.4.45; 505.4.46; 505.4.47; 505.4.48; 505.4.49; 505.4.50; 505.4.51; 505.4.52; 505.4.53; 505.4.54; 505.4.55; 505.4.56; 505.4.57; 505.4.58; 505.4.59; 505.4.60; 505.4.61; 505.4.62; 505.4.63; 505.4.64; 505.4.65; 505.4.66; 505.4.67; 505.4.68; 505.4.69; 505.4.70; 505.4.71; 505.4.72; 505.4.73; 505.4.74; 505.4.75; 505.4.76; 505.4.77; 505.4.78; 505.4.79; 505.4.80; 505.4.81; 505.4.82; 505.4.83; 505.4.84; 505.4.85; 505.4.86; 505.4.87; 505.4.88; 505.4.89; 505.4.90; 505.4.91; 505.4.92; 505.4.93; 505.4.94; 505.4.95; 505.4.96; 505.4.97; 505.4.98; 505.4.99; 505.4.100; 505.4.101; 505.4.102; 505.4.103; 505.4.104; 505.4.105; 505.4.106; 505.4.107; 505.4.108; 505.4.109; 505.4.110; 505.4.111; 505.4.112; 505.4.113; 505.4.114; 505.4.115; 505.4.116; 505.4.117; 505.4.118; 505.4.119;

DEPT OF BLDGS 421323.00 Job Number
ES:EW:052270 Scan Code

REQUIRED PROJECT INSPECTIONS FOR ENERGY CODE COMPLIANCE:

ENERGY CODE INSPECTIONS	CODE/SECTION	INSPECTION REQ'D
INSULATION PLACEMENT AND R VALUES: Installed insulation for each component of the conditioned space envelope and at junctions between components shall be visually inspected to ensure that the R-values are marked, that such R-values conform to the R-values identified in the construction documents and that the insulation is properly installed. Certifications for unmarked insulation shall be similarly visually inspected.	(IA2), (IIA2)	YES
AIR SEALING AND INSULATION - VISUAL: Openings and penetrations in the building envelope, including site-built fenestration and doors, shall be visually inspected to verify that they are properly sealed, in accordance with Table 402.4.2.	(IA6), (IIA6)	YES

LIST OF ENERGY INSPECTION FOR FOUNDATION PERMIT:
1. INSULATION PLACEMENT & R-VALUES (IIA2)

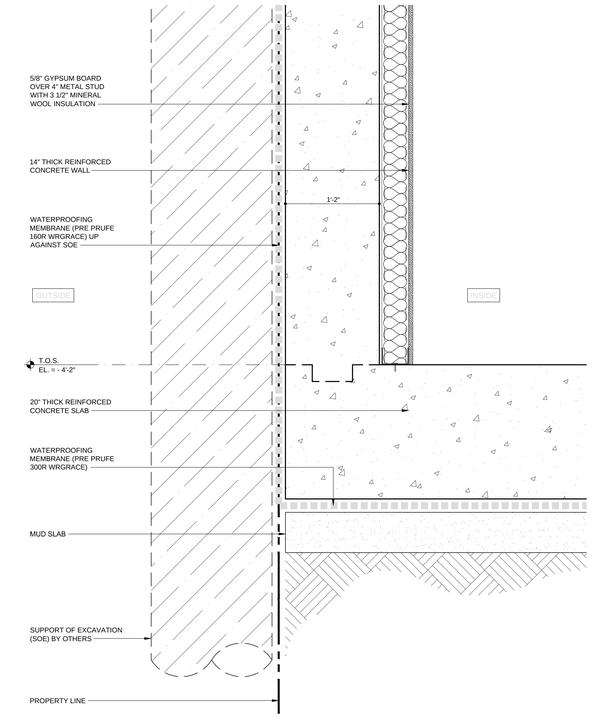
NY STATE ENERGY CONSERVATION CODE NOTES:

ENERGY ANALYSIS: 2011 NYCECC CHAPTER 5 - CLIMATE ZONE 4				
CITATION	ITEM DESCRIPTION	PROPOSED DESIGN VALUE	CODE PRESCRIPTIVE VALUE	SUPPORT DOCUMENTATION
ECC 502.1.1 TABLE 502.2(1)	WALLS, BELOW GRADE (FOUNDATION WALL)	R-10 ci	R-7.5 ci	EN-001.00/EN-002.00

PROFESSIONAL STATEMENT:

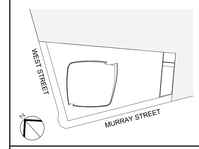
TO THE BEST OF MY KNOWLEDGE, BELIEF AND PROFESSIONAL JUDGMENT, THIS APPLICATION IS IN COMPLIANCE WITH THE 2011 NYCECC.

2 TABULAR ANALYSIS



1 TYPICAL WALL ASSEMBLY DETAIL BELOW GRADE (R-VALUE)
SCALE: 1 1/2" = 1'-0"

KEYPLAN



NOTES:

1. REFER TO SHEETS EN-001 & EN-002 FOR ADDITIONAL INFORMATION
2. ALL EXTERIOR WALL ASSEMBLIES SHALL COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)
3. INSULATION VALUES TO COMPLY WITH REQUIREMENTS PROVIDED IN "EN DRAWINGS" AND ENERGY CALCULATIONS (TYP.)
4. NYCECC ANALYSIS FOR FOUNDATION ONLY

Number:	Date:	Revision:
2	01/23/15	DOB ISSUE
1	09/15/14	DOB ISSUE

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURE:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
FOUNDATION ENERGY CALCULATIONS

SEAL & SIGNATURE:
REGISTERED ARCHITECT
JOSE STEPHEN CRUZ
No. 026208
STATE OF NEW YORK

DATE:	09/15/14
PROJECT #:	13A26
SCALE:	AS NOTED
DWG NO:	EN-003.00
	##

DEPT OF BLDGS 121323-I2 Job Number
E3549662525 Scan Code

GENERAL NOTES:

I - CODES

1. 2008 NEW YORK CITY BUILDING CODE, INCLUDING LATEST AMENDMENTS (N.Y.C. CODE").
2. AMERICAN INSTITUTE OF STEEL CONSTRUCTION "SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS - ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN", JUNE 1, 1989 ("AISC SPECIFICATION"). AS MODIFIED BY SUBCHAPTER 10 ARTICLE 6 OF THE N.Y.C. BUILDING CODE.
3. AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" ACI 318-02 ("ACI") AS MODIFIED BY SUBCHAPTER 10 ARTICLE 5 OF THE N.Y.C. BUILDING CODE.

II - MATERIALS

UNLESS OTHERWISE SHOWN OR NOTED ON DRAWINGS:

1. STRUCTURAL STEEL:
   ALL ROLLED SHAPES: ASTM A572 OR A992, GRADE 50
   ALL PLATES AND CONNECTION MATERIAL: ASTM A36
   ALL TUBULAR SECTIONS: ASTM A500, GRADE B
   ALL PIPE SECTIONS: ASTM A53, GRADE B
   ANCHOR BOLTS, U.O.N.: ASTM F1554
2. SHEAR CONNECTIONS:
   ¾" DIAMETER x 8" HEADED STUDS, U.O.N.
3. CAST-IN-PLACE CONCRETE:
   FOUNDATIONS: SEE PLAN
   SLABS ON GROUND: 3 KSI NORMAL WEIGHT
   FORMED SLABS: SEE PLAN
   COLUMNS AND WALLS: SEE COLUMN SCHEDULE
4. REINFORCEMENT:
   DEFORMED BARS: ASTM A615, (#3-#8) GRADE 60, U.O.N.
   ASTM A615 (#9 AND GREATER) GRADE 80, U.O.N.
   WELDED WIRE FABRIC: ASTM A185.
   WELDED DEFORMED WIRE FABRIC: ASTM A467, GRADE 60.
5. WELDING ELECTRODES: E70XX LOW HYDROGEN.
6. BOLTING MATERIALS: ASTM A325 OR F1852 (TWIST-OFF TYPE), OR A490, U.O.N.

III - GENERAL

1. NOTES, TYPICAL DETAILS AND SCHEDULES APPLY TO ALL STRUCTURAL WORK UNLESS OTHERWISE NOTED. FOR CONDITIONS NOT SPECIFICALLY SHOWN, PROVIDE DETAILS OF A SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTING SHOP DRAWINGS FOR REVIEW.
2. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS, ARCHITECTURAL AND MECHANICAL DRAWINGS. IF THERE IS A DISCREPANCY BETWEEN DRAWINGS IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER PRIOR TO PERFORMING WORK.
3. DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONAL INFORMATION.
4. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WATER/DAMPROOFING AND FIREPROOFING DETAILS AND REQUIREMENTS.
5. TOP OF CONCRETE SLABS ARE AT FLOOR REFERENCE ELEVATIONS EXCEPT AS NOTED. FOR FLOOR REFERENCE ELEVATIONS SEE COLUMN SCHEDULE.
6. THESE DRAWINGS DO NOT DEFINE SCOPE OF CONTRACTS. SEE CONSTRUCTION MANAGER'S [or CONTRACT if no CM] DOCUMENTS.
7. AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS OF THE JOBSITE INCLUDING SAFETY OF PERSONS AND PROPERTY. THE ARCHITECTS OR ENGINEER'S PRESENCE OR REVIEW OF WORK DOES NOT INCLUDE THE ADEQUACY OF THE CONTRACTOR'S MEANS OR METHODS OF CONSTRUCTION.
8. SHORING, BRACING AND PROTECTION OF EXISTING AND ADJACENT STRUCTURES DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PROTECT AND MAINTAIN THE INTEGRITY OF ADJACENT STREETS, BUILDINGS AND STRUCTURES.
9. ALL EXISTING DIMENSIONS AND LOCATIONS OF EXISTING STRUCTURES SHOWN ON THE DRAWINGS SHALL BE VERIFIED BY FIELD MEASUREMENTS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
10. DRAWINGS HAVE BEEN PREPARED BASED ON AVAILABLE KNOWLEDGE OF EXISTING CONDITIONS. IF, DURING DEMOLITION, EXCAVATION OR CONSTRUCTION, ACTUAL CONDITIONS ARE DISCOVERED TO DIFFER FROM THOSE INDICATED ON DRAWINGS, ENGINEER SHALL BE NOTIFIED.

IV - FOUNDATION NOTES

1. PILE CAPACITIES, DESIGN WATER LEVEL, SITE CLASS DESIGNATION AND OTHER GEOTECHNICAL INFORMATION IS BASED ON LANGAN REPORT DATED FEB. 21, 2014
2. NO BACKFILL SHALL BE PLACED AGAINST FOUNDATION WALLS UNLESS SUPPORTING SLABS ARE IN PLACE AND SET OR THE WALLS ARE ADEQUATELY BRACED.
3. UNDERPINNING OF EXISTING ADJACENT FOUNDATIONS MAY BE REQUIRED. ALL ENGINEERING, DESIGNS AND MEANS AND METHODS OF CONSTRUCTION RELATED TO UNDERPINNING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. DEWATERING OF THE SITE DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR NOT TO UNDERMINE EXISTING FOUNDATIONS. METHOD OF DEWATERING AND CALCULATIONS FOR THE APPROPRIATE SYSTEM ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL CAISSON CAPS/ PIERS ARE TO BE CENTERED ON COLUMNS ABOVE, U.O.N.
6. PROVIDE DOWELS IN FOUNDATIONS FOR ALL WALLS, COLUMNS, AND SHEAR WALLS OF SAME NUMBER AND SIZE AS THE VERTICAL REINFORCEMENT ABOVE, U.O.N.
7. PROVIDE WATERSTOPS IN ALL VERTICAL CONSTRUCTION JOINTS IN BASEMENT WALLS.
8. SLABS ON GROUND SHALL BE PLACED ON SELECT FILL COMPACTED TO 95 PERCENT MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D1557).
9. CAISSON ELEVATIONS SHOWN ON THE DRAWINGS HAVE BEEN ESTIMATED USING THE GEOTECHINICAL REPORT. ACTUAL ELEVATIONS OF [FOOTING, PIER] BOTTOMS WILL BE DETERMINED BY FIELD CONDITIONS.
10. FOR FLOOD ZONE REQUIREMENTS, SEE ARCHITECTURAL DRAWINGS.

V - CONCRETE NOTES

1. REINFORCING STEEL SHALL HAVE A MINIMUM CLEAR COVER AS FOLLOWS, U.O.N. IN DRAWINGS:

   CONCRETE POURED AGAINST EARTH..... 3"

   CONCRETE EXPOSED TO EARTH OR WEATHER:
   #5 OR SMALLER..... 1½"
   #6 OR LARGER..... 2"

   CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
   COLUMNS (TIES AND MAIN REINFORCING)..... 1½"
   SLABS, WALLS, JOISTS #14 OR #18 BARS..... 1½"
   #11 OR SMALLER..... ½"
   BEAMS (STIRRUPS AND MAIN REINF)..... 1½"

   CLEAR COVER SHALL BE CLEARLY SHOWN ON ALL REBAR DETAIL DRAWINGS.
2. ALL REINFORCEMENT SHALL BE SECURELY HELD IN POSITION WHILE PLACING CONCRETE. IF NECESSARY, ADDITIONAL BARS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT.
3. THE CONTRACTOR SHALL VERIFY THE DIMENSIONS AND LOCATIONS OF ALL OPENINGS, PIPE SLEEVES, ETC. AS REQUIRED BY ALL TRADES, BEFORE THE CONCRETE IS POURED. THE CONTRACTOR SHALL CONSULT THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS, AS WELL AS THE STRUCTURAL DRAWINGS FOR THE LOCATION, NUMBER, AND SIZE OF ALL OPENINGS, SLEEVES, ETC. HOWEVER, OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE INSTALLED ONLY AFTER APPROVAL BY THE STRUCTURAL ENGINEER IS OBTAINED.
4. LOCATION OF ALL CONSTRUCTION JOINTS NOT SHOWN IN DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO DETAILING OF REINFORCING. ALL CONSTRUCTION JOINTS TO BE CLEARLY SHOWN IN REBAR DETAIL DRAWINGS. ENGINEER MAY REQUIRE ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS.
5. DIMENSIONS "Ld" AS NOTED ON DRAWINGS SHALL BE AS FOLLOWS:

BEAMS		
BAR SIZE	BOTTOM BARS	OTHER BARS
#3	13	17
#4	17	23
#5	22	28
#6	26	34
#7	38	49
#8	43	56
#9	48	63
#10	54	71
#11	60	78

COLUMNS	
BAR SIZE	Ld
#3	13
#4	17
#5	22
#6	26
#7	38
#8	43
#9	48
#10	54
#11	60

TABLE ASSUMPTIONS:
1. f'c = 5 ksi
2. A MINIMUM CLEAR COVER AS SHOWN IN NOTE 1 ABOVE
3. A MINIMUM CLEAR SPACING OF 3" BETWEEN ANY BARS
4. fy = 60 ksi
5. NORMAL WEIGHT CONCRETE
6. FOR WALLS:
   CASE 1 = CLEAR SPACING ≥ 2db AND CLEAR COVER ≥ db
   CASE 2 = OTHER THAN CASE 1

WALLS				
BAR SIZE	VERTICAL BARS		HORIZONTAL BARS	
	CASE 1	CASE 2	CASE 1	CASE 2
#3	13	20	17	25
#4	17	26	23	34
#5	22	32	28	42
#6	26	39	34	50
#7	38	56	49	73
#8	43	64	56	83
#9	48	72	63	94
#10	54	81	70	106
#11	60	90	78	117

SLABS / MATS			
BAR SIZE	THICKNESS 12" OR LESS	THICKNESS GREATER THEN 12"	
	ALL BARS	BOTTOM BARS	OTHER BARS
#3	13	13	17
#4	17	17	23
#5	22	22	28
#6	26	26	34
#7	56	56	73
#8	64	64	83
#9	72	72	94
#10	81	81	106
#11	90	90	117

FOR:
f'c = 3 ksi Ld = 1.29 x TABLE VALUE
f'c = 4 ksi Ld = 1.12 x TABLE VALUE
f'c = 6 ksi Ld = 0.91 x TABLE VALUE
f'c = 8 ksi Ld = 0.79 x TABLE VALUE
f'c = 10 ksi Ld = 0.71 x TABLE VALUE
f'c = 12 ksi Ld = 0.64 x TABLE VALUE
f'c = 14 ksi Ld = 0.60 x TABLE VALUE

6. ALL LAP SPLICES SHALL BE 1.3Ld UNLESS NOTED OTHERWISE ON DRAWINGS.
7. FOR LIGHTWEIGHT AGGREGATE CONCRETE, MULTIPLY THE TABULATED VALUES BY 1.3.
8. FOR EPOXY-COATED BARS, MULTIPLY THE TABULATED VALUES BY 1.5.
9. COMBINATIONS OF EFFECTS DUE TO CONCRETE STRENGTH, CONCRETE WEIGHT, AND EPOXY BARS ARE CUMULATIVE. Ld SHALL BE MULTIPLIED BY EACH FACTOR TO FIND THE CORRECT VALUE.
10. ACI DOES NOT PERMIT LAP SPLICES OF #14 OR #18 BARS. BARS OF THIS SIZE SHALL BE COUPLED BY ACCEPTABLE MECHANICAL MEANS.
11. DOWEL BAR SUBSTITUTIONS SHALL BE PERMITTED PROVIDED THAT MANUFACTURER'S DATA SUPPORTS FULL TENSION SPLICES.
12. ALL SLEEVES AND PENETRATIONS SHALL BE PROVIDED BY THE SUB-CONTRACTOR REQUIRING THE OPENING.
13. CONCRETE COLUMN LENGTH ADJUSTMENT FOR ELASTIC SHORTENING, SHRINKAGE AND CREEP EFFECTS SHALL BE DISCUSSED WITH THE CONCRETE CONTRACTOR.
14. CONDUIT PLACED IN CONCRETE SLABS MUST BE PLACED IN ACCORDANCE WITH THE FOLLOWING GUIDELINES:
    a. CONTRACTOR SHALL NOT INSTALL CONDUIT THAT IS NOT SHOWN ON MECHANICAL DRAWINGS.
    b. DO NOT CROSS MORE THAN ONE LAYER OF CONDUIT OVER ANOTHER IN ANY GIVEN AREA.
    c. PLACE CENTROID OF CONDUIT OR CONDUIT GROUP AT THE MID-HEIGHT OF THE SLAB.
    d. CONDUIT OR CONDUIT GROUP CAN NOT EXTEND OUTSIDE THE MIDDLE ⅓ OF THE SLAB.
    e. MAINTAIN A MINIMUM CLEAR SPACING BETWEEN THE CONDUIT OF 3 DIAMETERS. THIS REQUIREMENT APPLIES EXCEPT WHERE CONDUITS ACCUMULATE AT "TURN DOWNS". THE CONDITIONS AT "TURN DOWN" LOCATIONS MUST BE EVALUATED AT EACH LOCATION BY THE STRUCTURAL ENGINEER. "TURN DOWNS" CAN NOT OCCUR AT COLUMN OR BUTTRESS LOCATIONS.
    f. DO NOT PLACE ANY CONDUIT IN THE SLAB WITHIN 36" FROM THE EDGE OF ANY COLUMN OR WALL ABOVE OR BELOW THE SLAB.
    g. SLAB REINFORCEMENT MUST NOT BE MOVED, CUT, OR BENT TO ACCOMMODATE CONDUIT PLACEMENT.
    h. CONDUIT IS NOT TO RUN THROUGH OR WITHIN A COLUMN OR WALL.
    i. ALUMINUM CONDUIT SHALL NOT BE EMBEDDED IN A SLAB UNLESS IT IS EFFECTIVELY COATED.

    IF THE ABOVE REQUIREMENTS ARE ALL MET, CONDUIT LOCATIONS NEED NOT BE REVIEWED BY THE STRUCTURAL ENGINEER. ANY DEVIATIONS MUST BE SUBMITTED ON A SHOP DRAWING FOR APPROVAL BY THE STRUCTURAL ENGINEER PRIOR TO CONDUIT PLACEMENT.

    THE FOLLOWING CASES MUST BE SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER:
    a. LOCATIONS OF ANY CONDUIT LARGER THAN 2" IN OUTSIDE DIAMETER.
    b. LOCATIONS OF ANY BUNDLED CONDUITS.

VI - STEEL NOTES

1. BOLTED CONNECTIONS: BOLTS ARE TO BE A325 OR A490 SLIP CRITICAL, CLASS A, FLOOR BEAM CONNECTIONS TO OTHER BEAMS OR GIRDERS CAN BE MADE WITH BEARING CONNECTIONS. MINIMUM DIAMETER OF ALL BOLTS SHALL BE ⅞", MAX. DIA. 1⅛", PROVIDE AT LEAST 2 BOLTS PER CONNECTION.

   UNLESS OTHERWISE NOTED IN PLAN, DETAIL FLOOR MEMBER CONNECTIONS FOR THE FOLLOWING VERTICAL REACTIONS:

SHAPE	MINIMUM REACTIONS (KIPS) TO GIRDERS	TO COLUMNS	MINIMUM NUMBER OF ROWS
W8,C8	12	17	2
W10,C10	15	20	2
W12,C12	20	25	2
W14	25	30	3
W16	30	38	3
W18	36	46	3
W21	46	58	4
W24	57	72	4
W27	70	85	5
W30	85	100	6
W33	100	120	7
W36	115	135	8

2. END CONNECTIONS OF FLOOR MEMBERS SHALL ACCOMMODATE END ROTATIONS OF SIMPLE, UNRESTRAINED BEAMS. FOR THIS PURPOSE, INELASTIC ACTION IN THE CONNECTION IS PERMITTED.
3. COPED OR CUT ENDS OF MEMBERS SHALL BE REINFORCED WHERE REQUIRED TO SUSTAIN THE SPECIFIED REACTIONS.
4. FABRICATE AND ERECT FLOOR MEMBERS WITH NATURAL CAMBER UP.
5. SHORING OF FLOOR MEMBERS TO CONTROL SLAB THICKNESS, FLOOR LEVEL AND OTHER TOLERENCES, AND CONCRETE PONDING IS THE CONTRACTOR'S OPTION. FLOORS TO BE POURED SO AS TO MAINTAIN UNIFORM SLAB THICKNESS ACROSS TOP OF STEEL MEMBERS.
6. STRUCTURAL STEEL CONTRACTOR TO PROVIDE DECK SUPPORT ANGLES AS REQUIRED.

VII - STEEL NOTES (CONTINUED)

7. UNLESS OTHERWISE SHOWN ON DRAWINGS, SIZE OF WELDS SHALL NOT BE SMALLER THAN ⅜".
8. FABRICATION AND ERECTION CONSIDERATIONS - THE FOLLOWING ITEMS WILL BE DEFINED AT A PRE-DETAILING CONFERENCE WITH THE STEEL CONTRACTOR:
   i. ELEMENTS AFFECTED BY STEEL ERECTION PROCEDURE, SUCH AS MEMBER SIZES, CONNECTIONS, SPLICES, BASE PLATES, ANCHOR BOLTS, ETC.
9. THE CONTRACTOR SHALL PROVIDE, AT NO ADDITIONAL COST, ALL ADDITIONAL STEEL, CONNECTIONS, GUYING, ETC. REQUIRED FOR ERECTION.
10. UNLESS SPECIFICALLY NOTED, STEEL DETAILS SHOWN ON THE DRAWINGS ARE FOR CONCEPT ONLY AND DO NOT INDICATE REQUIRED NUMBER OF BOLTS, SIZE OF WELDS, ETC.
11. MEMBERS MAY ONLY BE SPLICED WHERE SPECIFICALLY DETAILED ON ACCEPTED SHOP DRAWINGS.
12. FIELD CUTTING OF STRUCTURAL STEEL IS NOT PERMITTED EXCEPT WITH THE PRIOR APPROVAL OF THE ENGINEER.
13. BOLTS, NUTS AND WASHERS FOR STEEL PERMANENTLY EXPOSED TO WEATHER SHALL BE GALVANIZED, SEE SPECIFICATIONS.

VIII - SURVEYING

PRIOR TO REMOVING RESHORES THE UNDERSIDE OF THE SLAB SHALL BE SURVEYED TO DETERMINE THE RELATIVE ELEVATION OF THE SLAB. AT A MINIMUM, SURVEY POINTS ARE TO BE LOCATED NEXT TO COLUMNS AND AT CENTER OF COLUMN STRIPS AND MIDDLE STRIPS. SLAB EDGES AND CANTILEVERS ARE TO BE SURVEYED AT POINTS OF THEORETICAL MAXIMUM AND MINIMUM DEFLECTIONS WITHIN EACH SPAN. SURVEYOR IS TO SUBMIT A GENERAL LAYOUT OF POINTS TO ENGINEER FOR APPROVAL PRIOR TO SURVEYING THE SLABS. ADDITIONAL POINTS MAY BE REQUIRED AT ENGINEER'S DISCRETION. THE C.M. IS TO CONTRACT OUT THE SURVEYING SERVICE TO A SURVEYOR NOT AFFILIATED WITH THE CONCRETE CONTRACTOR. THE COST OF THIS SURVEY IS TO BE INCLUDED IN THE CONSTRUCTION COST.

IX - SPECIAL INSPECTIONS

OWNER WILL ENGAGE AND PAY FOR A SPECIAL INSPECTOR AND AN INDEPENDENT TESTING AGENCY TO PERFORM THE FOLLOWING SPECIAL INSPECTION AND TESTING AS SPECIFIED ON THE APPLICABLE SECTIONS OF THE NEW YORK CITY BUILDING CODE, CHAPTER 17, SECTION 1704. TECHNICAL REPORT STATEMENT OF RESPONSIBILITY TR-1 FORM SHALL BE FILLED WITH THE BUILDING DEPARTMENT FOR APPROVAL OF SPECIAL INSPECTOR. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ADEQUATE PRIOR NOTICE FOR COMPLETION OF INSPECTIONS.

1. CONCRETE:
   ALL CONCRETE WORK SHALL BE SUBJECT TO SPECIAL INSPECTION BY OR UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER AS REQUIRED BY SUBCHAPTERS 1704.4 AND 1905.3 AND TABLE 1704.4 OF THE N.Y.C. BUILDING CODE.
   A. THE OWNER SHALL ENGAGE A LICENSED PROFESSIONAL ENGINEER, APPROVED BY THE ENGINEER OF RECORD, TO SUPERVISE THE TESTING OF THE MATERIALS AND THE INSPECTION OF CONCRETE CONSTRUCTION.
   B. THE PRELIMINARY TEST FOR CONTROLLED CONCRETE SHALL BE MADE IN ACCORDANCE WITH SUBCHAPTER 1905.3 OF SECTION 1905 OF THE N.Y.C. BUILDING CODE AND THE APPROVED DESIGN MIXES FILED ON TECHNICAL REPORT TR-3. NO CONCRETE SHALL BE PLACED BEFORE ACCEPTANCE BY ENGINEER.
   C. QUALITY CONTROL AND INSPECTION OF MATERIALS AND OF BATCHING SHALL BE MADE IN ACCORDANCE WITH SUBCHAPTER 1905.3 OF SECTION 1905 OF THE N.Y.C. BUILDING CODE.
   D. ALL FIELD TESTS AND INSPECTIONS SHALL BE PERFORMED AS REQUIRED BY SUBCHAPTER 1905.6 OF SECTION 1905 OF THE N.Y.C. BUILDING CODE. CONCRETE TEST CYLINDER RESULTS SHALL BE FILED ON TECHNICAL REPORT TR-2.
   E. PRIOR TO PERMIT OWNER TO ENGAGE CONCRETE TESTING AGENCY FOR TR-2 AND TR-3 FORMS.
2. SOILS:
   INSPECT SUBGRADE FOR FOUNDATIONS, PIERS AND WALLS PER SECTION 1704.7.1 OF THE N.Y.C. BUILDING CODE.
3. STEEL:
   INSPECT WELDING OPERATIONS AND TENSIONING OF HIGH STRENGTH BOLTS PER SECTIONS 1704.3.1 THROUGH 1704.3.3 AND SECTION 1715 OF THE N.Y.C. BUILDING CODE.
4. PILING:
   INSPECT PILE DRIVING AND TESTING OPERATIONS PER SUBCHAPTER 1704.8 OF THE N.Y.C. BUILDING CODE.

BUILDING LOADING SCHEDULE (PSF)*

LOCATION	DL	SDL	LL	TOTAL
CELLAR - HYDROSTATIC (UPLIFT)	-	-	1140	1140
CELLAR-STORAGE	150	25	150	325
CELLAR- M/E/P	150	25	150	325
CELLAR- AMENITY SPACES	150	50	100	300
GROUND FLOOR - LOBBY/ RETAIL	150	50	100	300
GROUND FLOOR - DRIVE AREA	200	50	100/ 400 **	350
GROUND FLOOR - LANDSCAPING	200	375 / 50 **	100 / 400 **	675
2ND FLOOR-MECHANICAL	150	25	100	250
3RD 25TH FLOOR	150	25	40	200
26TH FLOOR-MECHANICAL	150	25	100	275
27TH-50TH FLOOR	150	25	40	180
51ST FLOOR-MECHANICAL	200	25	100	275
51ST-58TH FLOOR	200	25	40	215
51ST-58TH FLOOR-TERRACE	200	50	100	300
59TH FLOOR (ROOF)	250	50	400	650

FACADE LOAD = 200 PLF

* DEVELOPED IN ACCORDANCE WITH CHAPTER 16 OF THE NEW YORK CITY BUILDING CODE.

** FINAL DESIGN LOAD/ CONSTRUCTION LOADS

SEE PLANS FOR ALL OTHER FLOOR LOADINGS NOT LISTED.

SEISMIC DESIGN CRITERIA

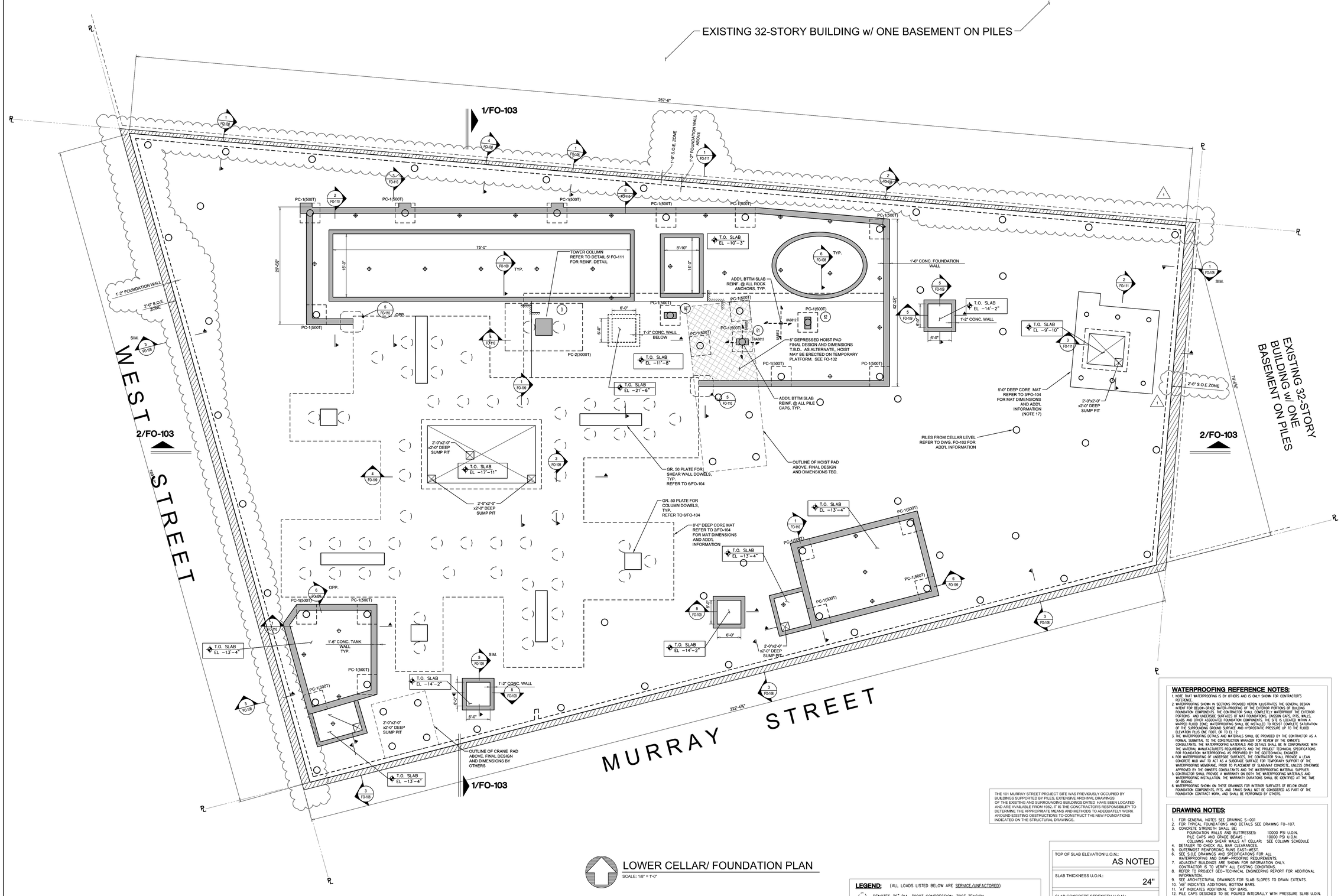
THE DESIGN, DETAILS, AND NOTES HEREIN ARE IN COMPLIANCE WITH CHAPTER 16 OF THE 2008 NYC BUILDING CODE.

OCCUPANCY CATEGORY: II (TABLE 1604.5 NYC. CODE 2008)
SEISMIC IMPORTANCE FACTOR, Ie = 1.00 (TABLE 1604.5 NYC. CODE 2008) BASED ON O.C. II
SEISMIC USE GROUP: I (SECTION 1616.2 NYC. CODE 2008)
Ss = 0.249g (MAPPED MCE SPECTRAL RESP. ACCEL. - SHORT PERIODS - SECTION 1615.1 NYC. CODE)
S1 = 0.057g (MAPPED MCE SPECTRAL RESP. ACCEL. - 1-SECOND PERIOD - SECTION 1615.1 NYC. CODE)
SITE CLASS: D - FROM GEOTECHNICAL REPORT (BASED ON TABLE 1615.1.1 NYC. CODE 2008)
Fa = 1.3 (SHORT PERIODS SITE COEFF. - LANGAN SITE SPECIFIC SEISMIC STUDY DATED MAY 5 ,2014)
Fv = 1.9 (1-SECOND PERIOD SITE COEFF.-LANGAN SITE SPECIFIC SEISMIC STUDY DATED MAY 5, 2014)
MCE SPECTRAL RESPONSE ACCELERATION FOR SHORT PERIODS: SMS = FaSs = N/A (EQUATION 16-38 NYC. CODE 2008)
MCE SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD: SM1 = FvS1 =N/A (EQUATION 16-39 NYC. CODE 2008)
DESIGN SPECTRAL ACCELERATION PARAMETER - SHORT PERIODS: SDS = 2/3 SMS = 0.320g (LANGAN SITE SPECIFIC SEISMIC STUDY DATED MAY 5, 2014)
DESIGN SPECTRAL ACCELERATION PARAMETER - 1-SECOND PERIOD: SD1 = 2/3 SM1 = 0.090g (LANGAN SITE SPECIFIC SEISMIC STUDY DATED MAY 5, 2014)
SEISMIC DESIGN CATEGORY B (LANGAN SITE-SPECIFIC SEISMIC STUDY DATED MAY 5, 2014)
BASIC SEISMIC FORCE RESISTING SYSTEM: ORDINARY REINFORCED CONCRETE SHEAR WALLS
RESPONSE MODIFICATION COEFFICIENT, R =4.00 (TABLE 1617.6.2 NYC. CODE 2008)
BUILDING HEIGHT: hn = 750'-3"
APPROXIMATE FUNDAMENTAL PERIOD, Ta = (Ct)x(hn)^x =(0.02)x(912')^0.75 = 3.3s (EQUATION 9.5.5.3.2-1 ASCE7-05)
UPPER LIMIT ON CALCULATED PERIOD: Cu = 1.70, CuTa = 5.61s (EQUATION 9.5.5.3.1 ASCE7-05)
CALCULATED FUNDAMENTAL PERIOD, T = 3.3s PERIOD USED FOR SEISMIC FORCE CALCULATION, T = 6.7s (BASED ON ETABS MODEL)
SEISMIC RESPONSE COEFFICIENT, Cs = SDS/(R/I) = 0.320g/(5.00/1.00) = 0.064g Cs(min) = 0.044*(SDS)*(I) = 0.044*0.320g*1.00 = 0.014g Cs(max) = SD1/(T)*(R/I) = 0.133g/(3.3sec*(5.00/1.00)) = 0.2g
Cs CONTROLS = 0.064g (ASCE7-05 SECTION 9.5.5.2.1)
TOTAL EFFECTIVE SEISMIC WEIGHT, W = 112,700 KIPS
TOTAL DESIGN LATERAL BASE SHEAR, V=(Cs)x(W)=(0.064)x(77000) = 716 KIPS (EQUATION 9.5.5.2-1 ASCE7-05)
DESIGN OVERTURNING MOMENTS: M = 730,000 k-ft IN BOTH DIRECTIONS
ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE PROCEDURE (ASCE7-05 SECTION 9.5.5)

STRUCTURAL PEER REVIEW TO BE PERFORMED BY ROSENWASSER GROSSMAN CONSULTING ENGINEERS PER NYC BUILDING CODE SECTION 1626

DRAWING NUMBER	DRAWING NAME	DATE / ISSUE: NOV. 7, 2014 DOB PERMIT ISSUE NO.1	NOV. 21, 2014 DOCUMENT ISSUE NO.2	JAN. 9, 2015 DOCUMENT ISSUE NO.4	JAN. 15, 2015 DOCUMENT ISSUE NO.5	JAN. 30, 2015 DOCUMENT ISSUE NO.6	FEB. 13, 2015 DOCUMENT ISSUE NO.7	MARCH 9, 2015 DOB ISSUE
GENERAL NOTES								
S-001	GENERAL NOTES AND INDEX OF DRAWINGS	●	●	●	●	●	●	●
FOUNDATION PLAN, SECTIONS AND DETAILS								
FO-101	LOWER CELLAR/ FOUNDATION PLAN	●	●	●	●	●	●	●
FO-102	CELLAR PLAN/ FOUNDATION PLAN	●	●	●	●	●	●	●
FO-103	BUILDING SECTIONS	●	●	●			●	●
FO-104	FOUNDATION PILE CAP DETAILS	●	●	●			●	●
FO-105	FOUNDATION: TOWER CORE MAT BOTTOM REINFORCEMENT PART PLAN	●	●	●	●		●	●
FO-106	FOUNDATION: TOWER MAT TOP REINFORCEMENT PART PLAN	●	●	●	●		●	●
FO-107	FOUNDATION TYPICAL DETAILS	●	●	●			●	●
FO-108	FOUNDATION SECTIONS AND DETAILS	●	●	●	●		●	●
FO-109	FOUNDATION SECTIONS AND DETAILS	●	●	●	●		●	●
FO-110	FOUNDATION SECTIONS AND DETAILS	●	●	●	●		●	●
FO-111	FOUNDATION SECTIONS AND DETAILS	●	●	●	●		●	●
FO-112	EXISTING BUILDING FOUNDATION PLAN	●	●	●			●	●
FO-113	FOUNDATION ALT. PLANS, SECTIONS AND DETAILS.			●	●		●	●
TOWER STRUCTURAL PLANS								
S-201	GROUND FLOOR PLAN	●	●				●	●
S-202	2ND FLOOR PLAN (MECHANICAL)		●				●	●
S-203	3RD FLOOR PLAN (MECHANICAL)		●				●	●
S-204	4TH FLOOR PLAN		●				●	●
S-205	5TH FLOOR PLAN						●	●
S-206	6TH THRU 11TH FLOOR PLAN						●	●
S-212	12TH FLOOR PLAN						●	●
S-213	13TH THRU 19TH FLOOR PLANS						●	●
S-220	20TH FLOOR PLAN						●	●
S-221	21ST THRU 26TH FLOOR PLANS						●	●
S-227	27TH FLOOR PLAN (MECHANICAL)		●				●	●
S-228	28TH FLOOR PLAN						●	●
S-229	29TH THRU 35TH FLOOR PLANS						●	●
S-236	36TH FLOOR PLAN						●	●
S-237	37TH THRU 38TH FLOOR PLAN		●				●	●
S-239	39TH FLOOR PLAN						●	●
S-240	40TH THRU 43RD FLOOR PLAN						●	●
S-244	44TH FLOOR PLAN						●	●
S-245	45TH THRU 50TH FLOOR PLAN						●	●
S-251	51ST FLOOR PLAN (MECHANICAL)						●	●
S-252	52ND FLOOR PLAN		●				●	●
S-253	53RD FLOOR PLAN		●				●	●
S-254	54TH FLOOR PLAN		●				●	●
S-255	55TH FLOOR PLAN		●				●	●
S-256	56TH FLOOR PLAN		●				●	●
S-257	57TH FLOOR PLAN		●				●	●
S-258	58TH FLOOR PLAN		●				●	●
S-259	59TH FLOOR PLAN		●				●	●
S-260	60TH FLOOR PLAN (ROOF)		●				●	●
S-261	61ST FLOOR PLAN (P-EMR)		●				●	●
S-262	62ND FLOOR PLAN (S-EMR)						●	●
S-263	63RD FLOOR PLAN (BULKHEAD)						●	●
PAVILION STRUCTURAL PLANS								
S-302	PAVILION: 2ND & 3RD & ROOF FLOOR PLAN						●	●
COLUMN SCHEDULE AND SHEAR WALL PART PLANS								
S-401	CONCRETE COLUMN DETAILS						●	●
S-402	COLUMN SCHEDULE I						●	●
S-403	COLUMN SCHEDULE II		●				●	●
S-411	SHEAR WALL PART PLAN I		●				●	●
S-412	SHEAR WALL PART PLAN II		●				●	●
S-413	SHEAR WALL PART PLAN III		●				●	●
S-414	SHEAR WALL PART PLAN IV		●				●	●
S-415	SHEAR WALL PART PLAN V						●	●
S-416	SHEAR WALL PART PLAN VI						●	●
S-417	SHEAR WALL PART PLAN VII						●	●
S-418	SHEAR WALL PART PLAN VIII			

DEPT OF BLDGS 421323.00 Job Number
E5000065075 Scan Code



LOWER CELLAR/ FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

LEGEND: (ALL LOADS LISTED BELOW ARE *SERVICE/UNFACTORED*)

- DENOTES 36" DIA. 3000T COMPRESSION, 700T TENSION, 74 KIP LATERAL CAPACITY (FIXED HEAD), PILE.
- DENOTES 20" DIA. 500T COMPRESSION, 250T TENSION, 22 KIP LATERAL CAPACITY (FIXED HEAD), PILE.
- DENOTES ROCK ANCHOR DESIGNED FOR 250 KIPS, SERVICE UPLIFT; SEE DETAIL 6/FO-108.

TOP OF SLAB ELEVATION U.O.N.:	AS NOTED
SLAB THICKNESS U.O.N.:	24"
SLAB CONCRETE STRENGTH U.O.N.:	f'c = 10,000 PSI
SLAB BASIC CONTINUOUS BOTTOM BARS (U.O.N.):	#7@12" O.C. EACH WAY
SLAB BASIC CONTINUOUS TOP BARS (U.O.N.):	#7@12" O.C. EACH WAY

THE 101 MURRAY STREET PROJECT SITE WAS PREVIOUSLY OCCUPIED BY BUILDINGS SUPPORTED BY PILES; EXTENSIVE ARCHIVAL DRAWINGS OF THE EXISTING AND SURROUNDING BUILDINGS DATED HAVE BEEN LOCATED AND ARE AVAILABLE FROM 1982. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE APPROPRIATE MEANS AND METHODS TO ADEQUATELY WORK AROUND EXISTING OBSTRUCTIONS TO CONSTRUCT THE NEW FOUNDATIONS INDICATED ON THE STRUCTURAL DRAWINGS.

WATERPROOFING REFERENCE NOTES:

1. NOTE THAT WATERPROOFING IS BY OTHERS AND IS ONLY SHOWN FOR CONTRACTOR'S REFERENCE.
2. WATERPROOFING SHOWN IN SECTIONS PROVIDED HEREIN ILLUSTRATES THE GENERAL DESIGN INTENT FOR BELOW-GRADE WATER-PROOFING OF THE EXTERIOR PORTIONS OF BUILDING FOUNDATION COMPONENTS. THE CONTRACTOR SHALL COMPLETELY WATERPROOF THE EXTERIOR PORTIONS AND UNDERSIDE SURFACES OF MAT FOUNDATIONS, CAISSON CAPS, PITS, WALLS, SLABS AND OTHER ASSOCIATED FOUNDATION COMPONENTS. THE SITE IS LOCATED WITHIN A MAPPED FLOOD ZONE; WATERPROOFING SHALL BE INSTALLED TO RESIST COMPLETE SATURATION OF THE SURROUNDING GROUND SURFACE AND HYDROSTATIC PRESSURE UP TO THE FLOOD ELEVATION PLUS ONE FOOT, OR TO EL 12.
3. THE WATERPROOFING DETAILS AND MATERIALS SHALL BE PROVIDED BY THE CONTRACTOR AS A FORMAL SUBMITTAL TO THE CONSTRUCTION MANAGER FOR REVIEW BY THE OWNER'S CONSULTANTS. THE WATERPROOFING MATERIALS AND DETAILS SHALL BE IN CONFORMANCE WITH THE MATERIAL MANUFACTURER'S REQUIREMENTS AND THE PROJECT TECHNICAL SPECIFICATIONS FOR FOUNDATION WATERPROOFING AS PREPARED BY THE GEOTECHNICAL ENGINEER.
4. FOR WATERPROOFING OF UNDERSIDE SURFACES, THE CONTRACTOR SHALL PROVIDE A LEAN CONCRETE MUD MAT TO ACT AS A SUBGRADE SURFACE FOR TEMPORARY SUPPORT OF THE WATERPROOFING MEMBRANE, PRIOR TO PLACEMENT OF SLAB/MAT CONCRETE, UNLESS OTHERWISE APPROVED BY THE OWNER'S CONSULTANTS AND THE WATERPROOFING MATERIAL SUPPLIER.
5. CONTRACTOR SHALL PROVIDE A WARRANTY ON BOTH THE WATERPROOFING MATERIALS AND WATERPROOFING INSTALLATION. THE WARRANTY DURATIONS SHALL BE IDENTIFIED AT THE TIME OF BIDDING.
6. WATERPROOFING SHOWN ON THESE DRAWINGS FOR INTERIOR SURFACES OF BELOW GRADE FOUNDATION COMPONENTS, PITS, AND TANKS SHALL NOT BE CONSIDERED AS PART OF THE FOUNDATION CONTRACT WORK, AND SHALL BE PERFORMED BY OTHERS.

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S−001
2. FOR TYPICAL FOUNDATIONS AND DETAILS SEE DRAWING FO−107.
3. CONCRETE STRENGTH SHALL BE:
   FOUNDATION WALLS AND BUTTRESSES: 10000 PSI U.O.N.
   PILE CAPS AND GRADE BEAMS : 10000 PSI U.O.N.
   COLUMNS AND SHEAR WALLS AT CELLAR: SEE COLUMN SCHEDULE
4. DETAILER TO CHECK ALL BAR CLEARANCES.
5. OUTERMOST REINFORCING RUNS EAST−WEST.
6. SEE S.O.E. DRAWINGS AND SPECIFICATIONS FOR ALL WATERPROOFING AND DAMP−PROOFING REQUIREMENTS.
7. ADJACENT BUILDINGS ARE SHOWN FOR INFORMATION ONLY. CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS.
8. REFER TO PROJECT GEO−TECHNICAL ENGINEERING REPORT FOR ADDITIONAL INFORMATION.
9. SEE ARCHITECTURAL DRAWINGS FOR SLAB SLOPES TO DRAIN EXTENTS.
10. "AB" INDICATES ADDITIONAL BOTTOM BARS.
11. "AT" INDICATES ADDITIONAL TOP BARS.
12. PILE CAPS DESIGNED TO BE POURED INTEGRALLY WITH PRESSURE SLAB U.O.N. THUS: (EL −X'−X"): WHERE EL −X'−X" REFERS TO TOP OF PILE CAP.
13. REFER TO DWG. FO−104 FOR PILE CAP REINFORCING AND TO DWG. FO−108 FOR TYP. PILE CAP DETAIL.
14. UNDER SLAB TRENCHING FOR MEP NOT SHOWN. REFER TO MEP DWGS FOR ADDITIONAL INFORMATION. EXTENTS OF TRENCHING SUBJECT TO CHANGE PENDING FINAL COORDINATION. G.C. TO COORDINATE.
15. REFER TO DWG. FO−102.00 FOR ADD'L INFORMATION NOT SHOWN, INCLUDING PENETRATIONS THROUGH FNDN WALLS, HOIST AND CRANE PAD LOCATIONS AND ADDITIONAL TRENCHING.
16. REFER TO DWG. S−201.00 FOR T.O. FNDN. WALL ELEVATION.
17. REFER TO PART PLAN 1/FO−112.00 FOR ALTERNATE LOCATION FOR PAVILION ELEVATOR CORE.

KEY PLAN

Number:	Date:	Revision:
1	03/31/15	DOB ISSUE
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7
	01/29/15	DOCUMENT ISSUE NO.6
	01/23/15	DOB ISSUE
	01/15/15	DOCUMENT ISSUE NO.5
	01/09/15	DOCUMENT ISSUE NO.4
	11/21/14	DOCUMENT ISSUE NO.2
	11/07/14	DOCUMENT ISSUE NO.1

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5780, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
LOWER CELLAR/ FOUNDATION PLAN

SEAL & SIGNATURE:
STATE OF NEW YORK — STEVEN V. DESIMONE — 074933 — LICENSED PROFESSIONAL ENGINEER

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: AS NOTED

FO-101.01

DWG NO.

OF

DEPT OF BLDGS 121323.00 Job Number
ES1497503SI Scan Code

EXISTING 32-STORY BUILDING w/ ONE BASEMENT ON PILES

1/FO-103

267'-6"

1'-2" FOUNDATION WALL

2'-0" S.O.E. ZONE

1'-0" S.O.E. ZONE

1'-2" FOUNDATION WALL

ADJACENT BUILDING PILE CAPS

L.W. CONC. SLAB ON METAL DECK SUPPORT STRUCTURE T.B.D.

FACE OF POOL DEPRESSION BELOW SEE DWG. FO-101

TOWER COLUMN REFER TO DETAIL 5/ FO-111 FOR REINF. DETAIL TYP.

HOIST PAD OVER POOL MECHANICAL ROOM! STEEL OR CONC. TBD

8'-0" DEEP CORE MAT REFER TO 2/FO-104 FOR MAT DIMENSIONS AND ADD'L INFORMATION

6" DEPRESSED HOIST PAD FINAL DESIGN AND DIMENSIONS T.B.D.

20" CONCRETE PRESSURE SLAB

T.O. SLAB EL. –4'–2"

CONC. COLUMN SUPPORTING PLAZA/ PAVILION TYP.

EJECTOR PIT BELOW SEE DWG. FO-101

ADD'L BTTM SLAB REINF. @ ALL PILE CAPS. TYP.

5'-0" DEEP CORE MAT REFER TO 3/FO-104 FOR MAT DIMENSIONS AND ADD'L INFORMATION (NOTE 18)

ADD'L BTTM SLAB REINF. @ ALL ROCK ANCHORS. TYP.

2'-6" S.O.E ZONE

79'-7"

EXISTING 32-STORY BUILDING w/ ONE BASEMENT ON PILES

2/FO-103

2/FO-103

WEST STREET

168'-10½"

2'-0"x2'-0" x2'-0" DEEP SUMP PIT

2'-0"x2'-0" x2'-0" DEEP SUMP PIT

TRENCH 'A'

TRENCH 'B'

TRENCH 'C'

TRENCH 'D'

TRENCH 'E'

TRENCH 'F'

SANITARY LINE TRENCH. COORD. WITH PLUMBING DWGS. TYP.

STORM TANK BELOW SEE DWG. FO-101

18x36 COLUMN W/ 14-#9 VERT. BARS TYP.

36" THK SHEAR WALL. TYP. REFER TO PART PLAN 6/FO-111 FOR WALL REINF. INFO.

6" DEPRESSED CRANE PAD FINAL DESIGN AND DIMENSIONS BY OTHERS

EJECTOR PIT BELOW SEE DWG. FO-101

STORM TANK BELOW SEE DWG. FO-101

18" D x 42" W OPENING IN FNDN. WALL FOR INCOMING ELECTRICAL SERVICE. REFER TO DETAIL 4/ FO-107 FOR FNDN WALL OPENING DETAIL (NOTE 15)

14"Ø OPENING IN FNDN. WALL FOR INCOMING COMBINED SEWER LINE REFER TO DETAIL 4/ FO-107 FOR FNDN WALL OPENING DETAIL (NOTE 15)

10'Ø OPENING IN FNDN. WALL FOR INCOMING GAS SERVICE. REFER TO DETAIL 4/ FO-107 FOR FNDN WALL OPENING DETAIL (NOTE 15)

16'Ø OPENING IN FNDN. WALL FOR COMBINED SEWER SLEEVE. REFER TO DETAIL 4/ FO-107 FOR FNDN WALL OPENING DETAIL (NOTE 15)

12'Ø OPENING IN FNDN. WALL FOR INCOMING FIRE SERVICE. REFER TO DETAIL 4/ FO-107 FOR FNDN WALL OPENING DETAIL (NOTE 15)

10'Ø OPENING IN FNDN. WALL FOR DOMESTIC WATER SERVICE. REFER TO DETAIL 4/ FO-107 FOR FNDN WALL OPENING DETAIL (NOTE 15)

10" D x 34" W OPENING IN FNDN. WALL FOR INCOMING IT SERVICE REFER TO DETAIL 4/ FO-107 FOR FNDN WALL OPENING DETAIL (NOTE 15)

NOTE 15

222'-4½"

MURRAY STREET

1/FO-103

CELLAR/ FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

THE 101 MURRAY STREET PROJECT SITE WAS PREVIOUSLY OCCUPIED BY BUILDINGS SUPPORTED BY PILES. EXTENSIVE ARCHIVAL DRAWINGS OF THE EXISTING AND SURROUNDING BUILDINGS DATED HAVE BEEN LOCATED AND ARE AVAILABLE FROM 1982. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE APPROPRIATE MEANS AND METHODS TO ACQUAINTLY WORK AROUND EXISTING OBSTRUCTIONS TO CONSTRUCT THE NEW FOUNDATIONS INDICATED ON THE STRUCTURAL DRAWINGS.

LEGEND: (ALL LOADS LISTED BELOW ARE SERVICE/UNFACTORED)

- DENOTES 36" DIA. 3000T COMPRESSION, 700T TENSION, 74 KIP LATERAL CAPACITY (FIXED HEAD), PILE.
- DENOTES 20" DIA. 500T COMPRESSION, 250T TENSION, 22 KIP LATERAL CAPACITY (FIXED HEAD), PILE.
- DENOTES ROCK ANCHOR DESIGNED FOR 250 KIPS, SERVICE UPLIFT; SEE DETAIL 6/FO–108.

TOP OF SLAB ELEVATION U.O.N.:	EL. -4'-2"
SLAB THICKNESS U.O.N.:	20"
SLAB CONCRETE STRENGTH U.O.N.:	Fc = 10,000 PSI
SLAB BASIC CONTINUOUS BOTTOM BARS (U.O.N.):	#7@12" O.C. EACH WAY
SLAB BASIC CONTINUOUS TOP BARS (U.O.N.):	#7@12" O.C. EACH WAY

WATERPROOFING REFERENCE NOTES:

1. NOTE THAT WATERPROOFING IS BY OTHERS AND IS ONLY SHOWN FOR CONTRACTOR'S REFERENCE.
2. WATERPROOFING SHOWN IN SECTIONS PROVIDED HEREIN ILLUSTRATES THE GENERAL DESIGN INTENT FOR BELOW-GRADE WATER-PROOFING OF THE EXTERIOR PORTIONS OF BUILDING FOUNDATION COMPONENTS. THE CONTRACTOR SHALL COMPLETELY WATERPROOF THE EXTERIOR PORTIONS AND UNDERSIDE SURFACES OF MAT FOUNDATIONS, CAISSON CAPS, PITS, WALLS, SLABS AND OTHER ASSOCIATED FOUNDATION COMPONENTS. THE SITE IS LOCATED WITHIN A MAPPED FLOOD ZONE. WATERPROOFING SHALL BE INSTALLED TO RESIST COMPLETE SATURATION OF THE SURROUNDING GROUND SURFACE AND HYDROSTATIC PRESSURE UP TO THE FLOOD ELEVATION PLUS ONE FOOT, OR TO EL. 12.
3. THE WATERPROOFING DETAILS AND MATERIALS SHALL BE PROVIDED BY THE CONTRACTOR AS A FORMAL SUBMITTAL TO THE CONSTRUCTION MANAGER FOR REVIEW BY THE OWNER'S CONSULTANTS. THE WATERPROOFING MATERIALS AND DETAILS SHALL BE IN CONFORMANCE WITH THE MATERIAL MANUFACTURER'S REQUIREMENTS AND THE PROJECT TECHNICAL SPECIFICATIONS FOR FOUNDATION WATERPROOFING AS PREPARED BY THE GEOTECHNICAL ENGINEER.
4. FOR WATERPROOFING OF UNDERSIDE SURFACES, THE CONTRACTOR SHALL PROVIDE A LEAN CONCRETE MUD MAT TO ACT AS A SUBGRADE SURFACE FOR TEMPORARY SUPPORT OF THE WATERPROOFING MEMBRANE, PRIOR TO PLACEMENT OF SLAB/MAT CONCRETE, UNLESS OTHERWISE APPROVED BY THE OWNER'S CONSULTANTS AND THE WATERPROOFING MATERIAL SUPPLIER.
5. CONTRACTOR SHALL PROVIDE A WARRANTY ON BOTH THE WATERPROOFING MATERIALS AND WATERPROOFING INSTALLATION. THE WARRANTY DURATIONS SHALL BE IDENTIFIED AT THE TIME OF BIDDING.
6. WATERPROOFING SHOWN ON THESE DRAWINGS FOR INTERIOR SURFACES OF BELOW GRADE FOUNDATION COMPONENTS, PITS, AND TANKS SHALL NOT BE CONSIDERED AS PART OF THE FOUNDATION CONTRACT WORK, AND SHALL BE PERFORMED BY OTHERS.

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S–001
2. FOR TYPICAL FOUNDATIONS AND DETAILS SEE DRAWING FO–104.
3. CONCRETE STRENGTH SHALL BE:
   FOUNDATION WALLS AND BUTTRESSES: 10000 PSI U.O.N.
   PILE CAPS AND GRADE BEAMS : 10000 PSI U.O.N.
   COLUMNS AND SHEAR WALLS AT CELLAR: SEE COLUMN SCHEDULE
4. DETAILER TO CHECK ALL BAR CLEARANCES.
5. OUTERMOST REINFORCING RUNS EAST–WEST.
6. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ALL WATERPROOFING AND DAMP–PROOFING REQUIREMENTS.
7. ADJACENT BUILDINGS ARE SHOWN FOR INFORMATION ONLY. CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS.
8. REFER TO PROJECT GEO–TECHNICAL ENGINEERING REPORT FOR ADDITIONAL INFORMATION.
9. SEE ARCHITECTURAL DRAWINGS FOR SLAB SLOPES TO DRAIN EXTENTS.
10. "AB" INDICATES ADDITIONAL BOTTOM BARS.
11. "AT INDICATES ADDITIONAL TOP BARS.
12. PILE CAPS DESIGNED TO BE POURED INTEGRALLY WITH PRESSURE SLAB U.O.N. THUS, EL. –"X"–"Y", WHERE EL. –"X"–"X" REFERS TO TOP OF PILE CAP.
13. FOR PILE CAP DETAIL, SEE DRAWING FO–108.
14. "TRENCH " REFERS TO ELECTRICAL/PLUMBING SERVICES. REFER TO MEP DWGS. FOR ADDITIONAL INFORMATION. EXTENTS OF TRENCHING SUBJECT TO CHANGE PENDING FINAL COORDINATION. NOTE THAT NOT ALL TRENCHES ARE SHOWN ON PLAN. C.C. TO COORDINATE.
15. FINAL OPENING DIMENSIONS AND LOCATIONS IN FNDN. WALLS TO BE COORDINATE AND CONFIRMED WITH MEP DWGS.
16. REFER TO DWG. S–201.00 FOR T.O. FNDN. WALL ELEVATIONS.
17. FNDN. CONTRACTOR IS ONLY RESPONSIBLE FOR PLACEMENT OF SUPERSTRUCTURE COLUMN AND SHEAR WALL DOWELS. COLUMNS AND SHEAR WALLS SHALL BE THE RESPONSIBILITY OF THE SUPERSTRUCTURE CONTRACTOR
18. REFER TO PART PLAN 1/TO–112.00 FOR ALTERNATE LOCATION FOR PAVILION ELEVATOR CORE.

KEY PLAN

Number:	Date:	Revision:
1	03/31/15	DOB ISSUE
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7
	01/23/15	DOCUMENT ISSU NO.6
	01/23/15	DOB ISSUE
	01/15/15	DOCUMENT ISSUE NO.5
	01/09/15	DOCUMENT ISSUE NO.4
	11/21/14	DOCUMENT ISSUE NO.2
	11/07/14	DOCUMENT ISSUE NO.1

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0020 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
CELLAR PLAN/ FOUNDATION PLAN

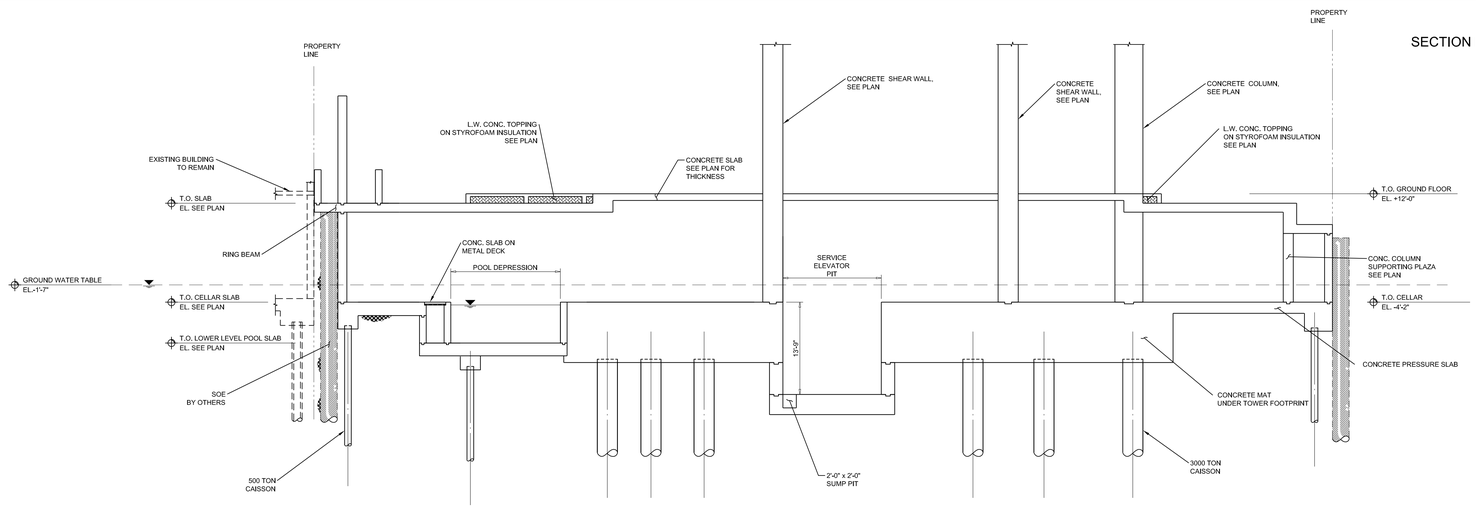
SEAL & SIGNATURE:

STATE OF NEW YORK
STEVEN V. DESIMONE
074933
LICENSED PROFESSIONAL ENGINEER

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	AS NOTED
DWG NO.	FO-102.01
	OF

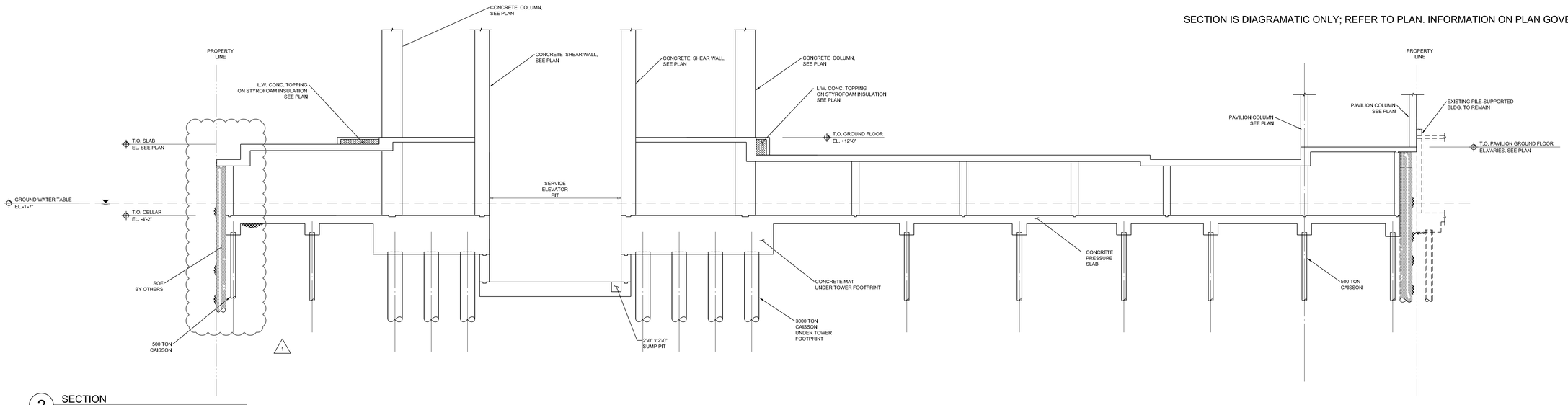
DEPT OF BLDGS 121323.00 Job Number
E3185552M3M3 Scan Code

SECTION IS DIAGRAMATIC ONLY; REFER TO PLAN. INFORMATION ON PLAN GOVERNS



1 SECTION
SCALE: 1/8"=1'-0"

SECTION IS DIAGRAMATIC ONLY; REFER TO PLAN. INFORMATION ON PLAN GOVERNS



2 SECTION
SCALE: 1/8"=1'-0"

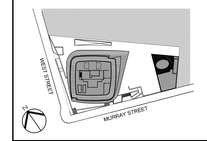
X SECTION - X
SCALE: ....."=1'-0"

X SECTION - X
SCALE: ....."=1'-0"

X SECTION - X
SCALE: ....."=1'-0"

X SECTION - X
SCALE: ....."=1'-0"

KEY PLAN



Number:	Date:	Revision:
1	03/31/15	DOB ISSUE
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7
	01/23/15	DOB ISSUE
	01/09/15	DOCUMENT ISSUE NO.4
	11/21/14	DOCUMENT ISSUE NO.2
	11/07/14	DOCUMENT ISSUE NO.1

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel. 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

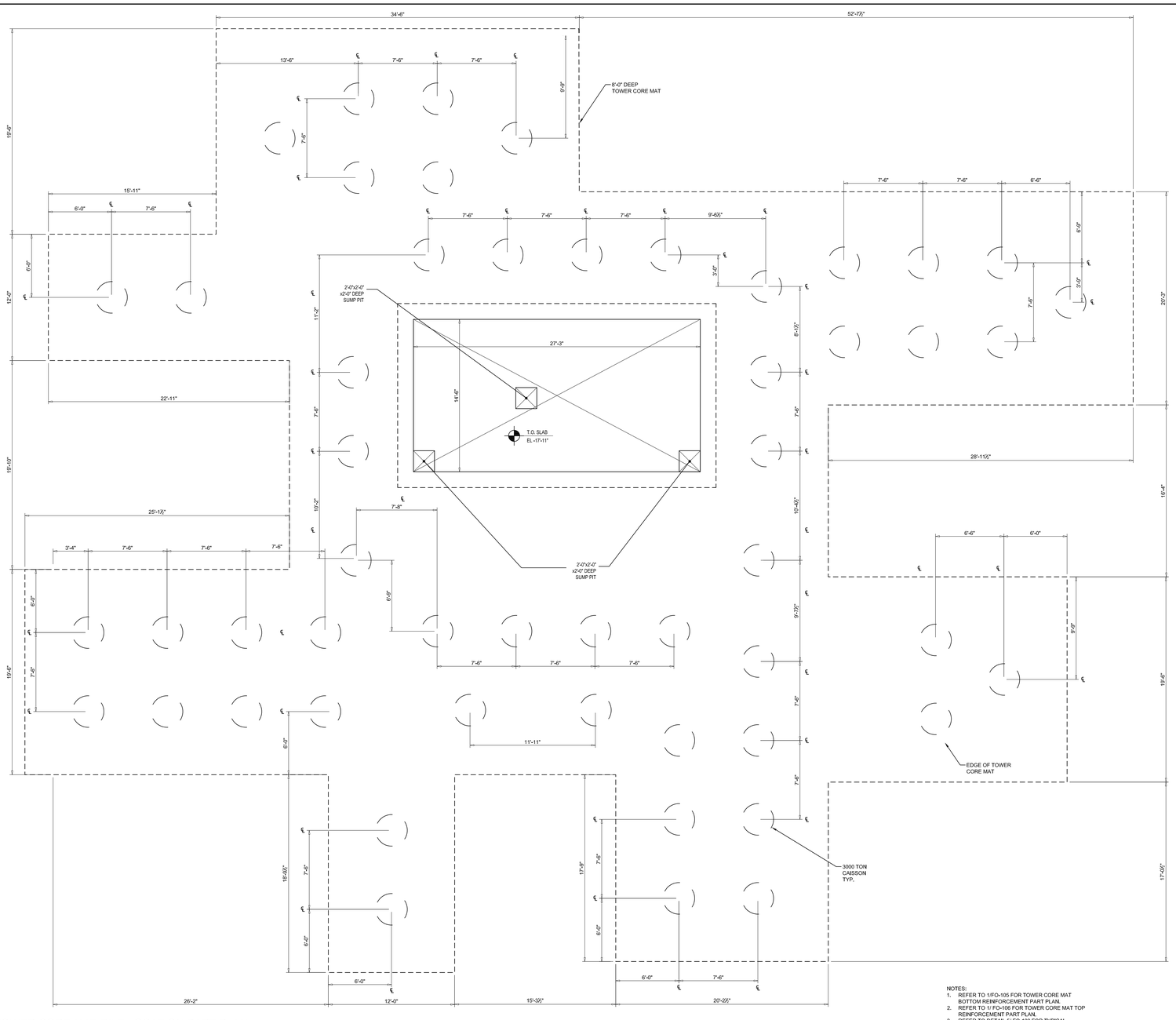
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

DWG TITLE:
BUILDING SECTIONS

SEAL & SIGNATURE:
STATE OF NEW YORK
STEVEN V. DESIMONE
074993
LICENSED PROFESSIONAL ENGINEER

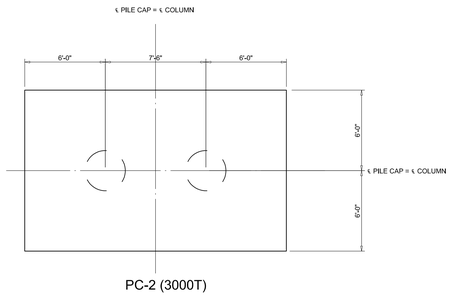
DATE: 09/15/14
PROJECT #: 14077.00
SCALE: AS NOTED
DWG NO. FO-103.01
OF

DEPT OF BLDGS 121323.00 Job Number
E3820492235 Scan Code

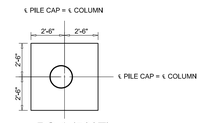


NOTES:
1. REFER TO 1/FO-105 FOR TOWER CORE MAT BOTTOM REINFORCEMENT PART PLAN.
2. REFER TO 1/ FO-106 FOR TOWER CORE MAT TOP REINFORCEMENT PART PLAN.
3. REFER TO DETAIL 5/ FO-108 FOR TYPICAL CAISSON CAP/ MAT REINFORCEMENT DETAIL, INCLUDING CAISSON PLACEMENT INFORMATION.

2 TOWER CORE MAT-PILE LOCATION PART PLAN
SCALE: 1/4"=1'-0"



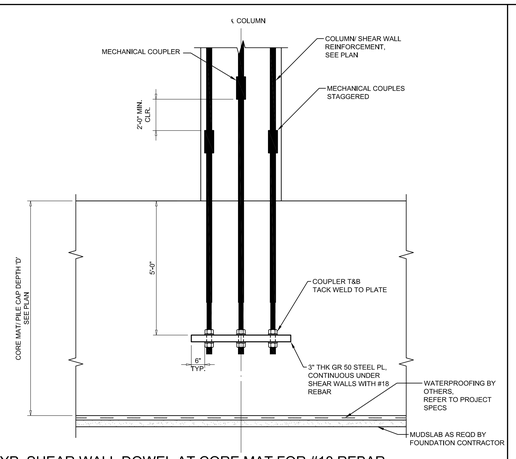
PC-2 (3000T)



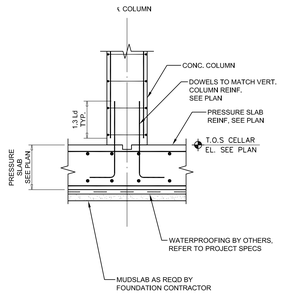
PC-1 (500T)

PILE CAP REINFORCEMENT SCHEDULE						
PILE CAP	DEPTH	REINFORCEMENT				COMMENTS
		SHORT DIRECTION		LONG DIRECTION		
PC-1 (500 T)	48"	8-#9 BOTT.	8-#9 TOP	8-#9 BOTT.	8-#9 TOP	
PC-2 (3000 T)	96"	30-#9 BOTT.	30-#9 TOP	52-#11 BOTT. (2 LAYERS)	26-#11 TOP	3-WAYS

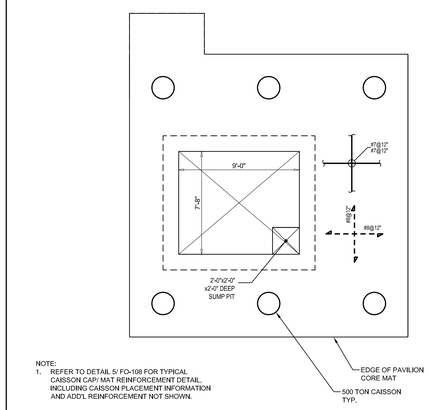
1 TYPICAL PILE CAP REINFORCEMENT
SCALE: 1/4"=1'-0"



6 TYP. SHEAR WALL DOWEL AT CORE MAT FOR #18 REBAR
SCALE: 1/2"=1'-0"

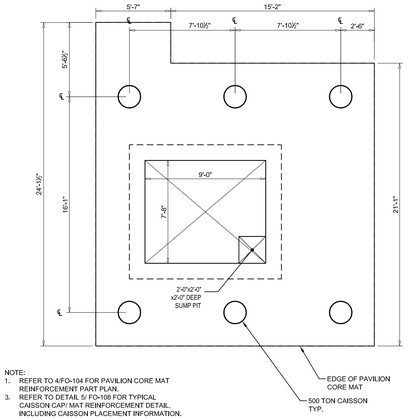


5 TYP. SECTION @ COLUMN SUPPORTED ON PRESSURE SLAB
SCALE: 1/2"=1'-0"



NOTE:
1. REFER TO DETAIL 5/ FO-108 FOR TYPICAL CAISSON CAP/ MAT REINFORCEMENT DETAIL, INCLUDING CAISSON PLACEMENT INFORMATION AND ADDTL REINFORCEMENT NOT SHOWN.

4 PAVILION CORE MAT-REINFORCEMENT PART PLAN
SCALE: 1/4"=1'-0"



NOTE:
1. REFER TO 4/FO-104 FOR PAVILION CORE MAT REINFORCEMENT PART PLAN.
3. REFER TO DETAIL 5/ FO-108 FOR TYPICAL CAISSON CAP/ MAT REINFORCEMENT DETAIL, INCLUDING CAISSON PLACEMENT INFORMATION.

3 PAVILION CORE MAT-PILE LOCATION PLAN
SCALE: 1/4"=1'-0"

KEY PLAN

Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7
	01/29/15	DOCUMENT ISSUE NO.6
	01/23/15	DOB ISSUE
	01/09/15	DOCUMENT ISSUE NO.4
	11/21/14	DOCUMENT ISSUE NO.2
	11/07/14	DOCUMENT ISSUE NO.1

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
FOUNDATION PILE CAP DETAILS

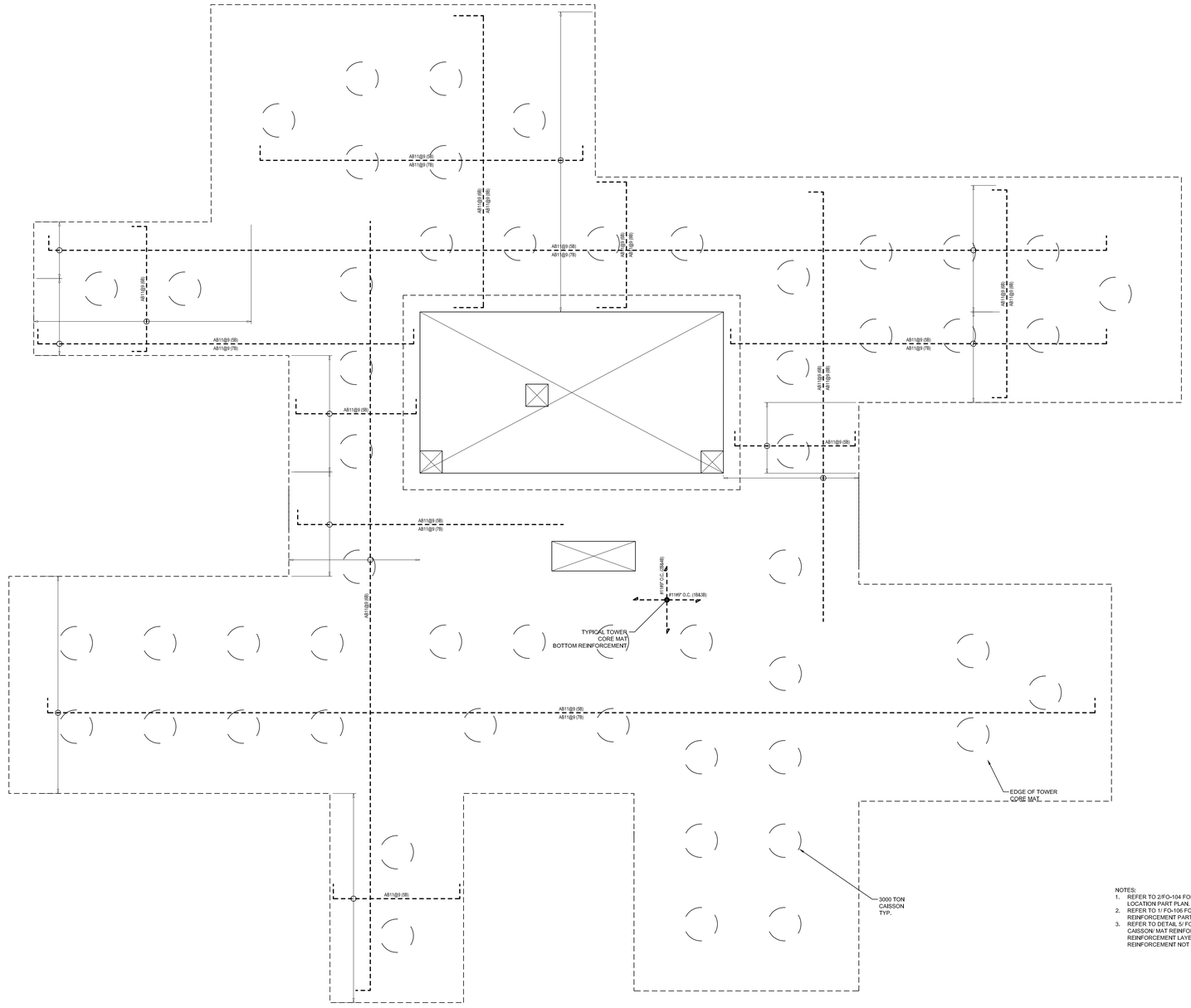
SEAL & SIGNATURE:
STATE OF NEW YORK
JAMES V. DESIMONE
074933
LICENSED PROFESSIONAL ENGINEER

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: AS NOTED
DWG NO. FO-104.00

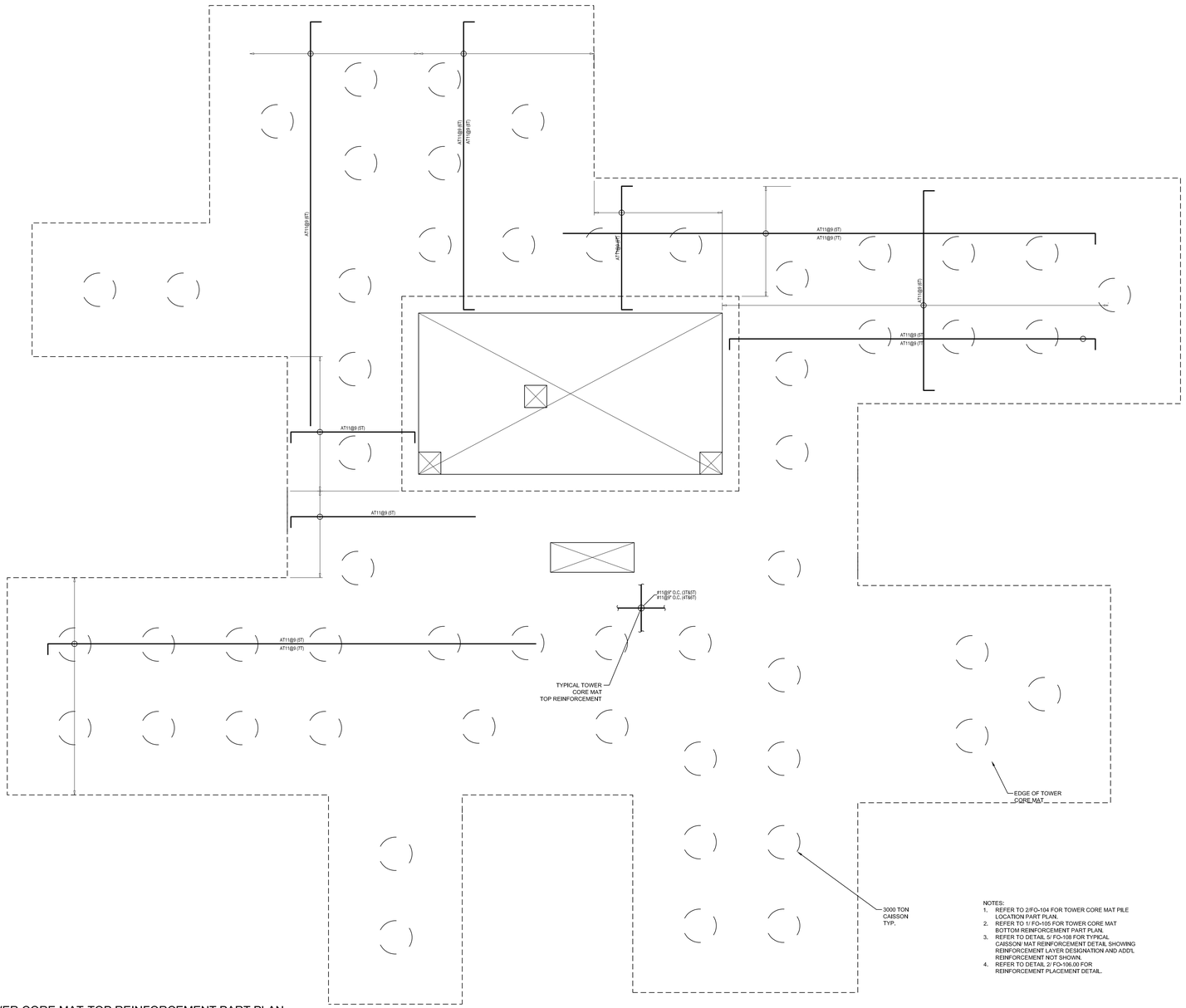
SIGNATURE OF OWNER OR AGENT OF

OF

DEPT OF BLDGS 421323.00 Job Number
ES3397720DS Scan Code

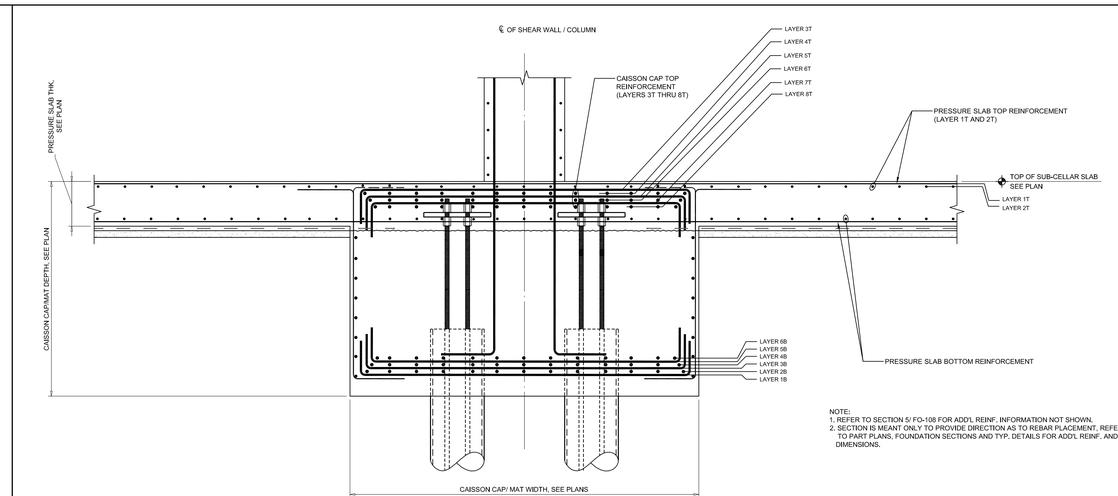

AB11@9 (5ft)
AB11@9 (7ft)
AB11@9 (8ft)
AB11@9 (6ft)
AB11@9 (5ft)
AB11@9 (7ft)
AB11@9 (8ft)
AB11@9 (6ft)
AB11@9 (5ft)
AB11@9 (7ft)
AB11@9 (5ft)
AB11@9 (7ft)
AB11@9 (5ft)
AB11@9 (7

DEPT OF BLDGS 421323 00 Job Number
E5337537F Scan Code



NOTES:
1. REFER TO 2/FO-104 FOR TOWER CORE MAT PILE LOCATION PART PLAN.
2. REFER TO 1/ FO-105 FOR TOWER CORE MAT BOTTOM REINFORCEMENT PART PLAN.
3. REFER TO DETAIL 5/ FO-108 FOR TYPICAL CAISSON/ MAT REINFORCEMENT DETAIL SHOWING REINFORCEMENT LAYER DESIGNATION AND ADD'L REINFORCEMENT NOT SHOWN.
4. REFER TO DETAIL 2/ FO-106.00 FOR REINFORCEMENT PLACEMENT DETAIL.

1 TOWER CORE MAT-TOP REINFORCEMENT PART PLAN
SCALE: 1/4"=1'-0"



NOTE:
1. REFER TO SECTION 5/ FO-108 FOR ADD'L REINF. INFORMATION NOT SHOWN.
2. SECTION IS MEANT ONLY TO PROVIDE DIRECTION AS TO REBAR PLACEMENT. REFER TO PART PLANS, FOUNDATION SECTIONS AND TYP. DETAILS FOR ADD'L REINF. AND DIMENSIONS.

2 TYPICAL MAT REBAR PLACEMENT SECTION
SCALE: 1/2"=1'-0"

KEY PLAN

Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7
	01/23/15	DOB ISSUE
	01/15/15	DOCUMENT ISSUE NO.5
	01/09/15	DOCUMENT ISSUE NO.4
	11/21/14	DOCUMENT ISSUE NO.2
	11/07/14	DOCUMENT ISSUE NO.1

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

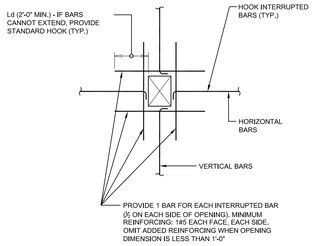
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
FOUNDATION: TOWER CORE MATT TOP REINFORCEMENT PART PLAN

SEAL & SIGNATURE:
STATE OF NEW YORK — STEPHEN V. DESIMONE — 074933 — LICENSED PROFESSIONAL ENGINEER

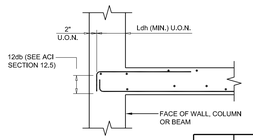
DATE: 09/15/14
PROJECT #: 14077.00
SCALE: AS NOTED
DWG NO. FO-106.00
OF

DEPT OF BLDGS 321323.00 Job Number
E3605663826 Scan Code



4 FOUNDATION WALL OPENING REINFORCEMENT

SCALE: 1/2"=1'-0"



Ldh (IN INCHES)

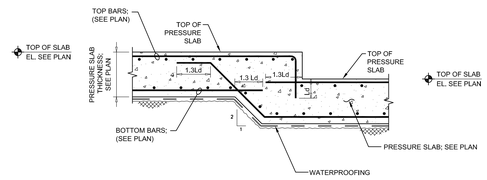
BAR #	f'c						
	4000 psi	5000 psi	6000 psi	7000 psi	8000 psi	10000 psi	12000 psi
3	7	6	6	6	6	6	6
4	7	6	6	6	6	6	6
5	10	8	7	7	6	6	6
6	11	9	8	8	7	6	6
7	13	11	10	9	9	8	7
8	14	12	11	10	10	8	8
9	17	14	13	12	11	10	9
10	19	16	15	14	13	11	10
11	20	17	16	15	14	12	11

* ASSUMES Fy = 60 ksi

NOTES:
FOR LIGHT WEIGHT AGGREGATE MULTIPLY TABLE VALUES BY 1.3
FOR EPOXY COATED REBAR MULTIPLY TABLE VALUES BY 1.2
FOR Fy = 75 ksi MULTIPLY TABLE VALUES BY 1.25
COMBINATIONS OF EFFECTS DUE TO CONCRETE DENSITY AND EPOXY COATING ARE CUMULATIVE

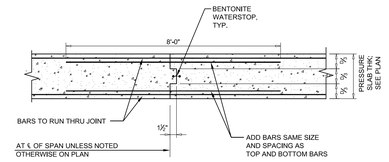
3 DEVELOPMENT LENGTH/ HOOK SCHEDULE

SCALE: 1/2"=1'-0"



2 PRESSURE SLAB STEP DETAIL

SCALE: 1/2"=1'-0"



1 PRESSURE SLAB CONSTRUCTION JOINT

SCALE: 1/2"=1'-0"

KEY PLAN

Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7
	01/23/15	DOB ISSUE
	01/09/15	DOCUMENT ISSUE NO.4
	11/21/14	DOCUMENT ISSUE NO.2
	11/07/14	DOCUMENT ISSUE NO.1

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

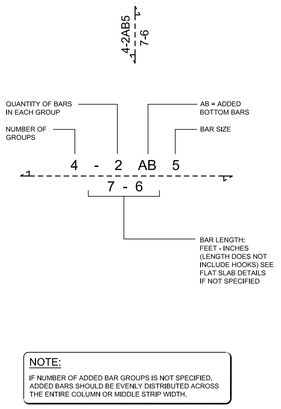
Shauqat Shaikh
Buildings
APPROVED
Under Directive 3 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
FOUNDATION TYPICAL DETAILS

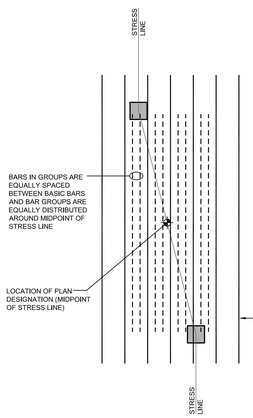
SEAL & SIGNATURE:
STATE OF NEW YORK — STEPHEN V. DESIMONE — 074893 — LICENSED PROFESSIONAL ENGINEER

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: AS NOTED
DWG NO. FO-107.00
SHEET OF

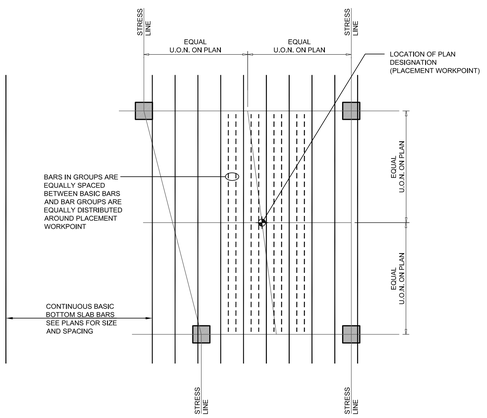
PLAN DESIGNATION



BARS ADDED IN COLUMN STRIP



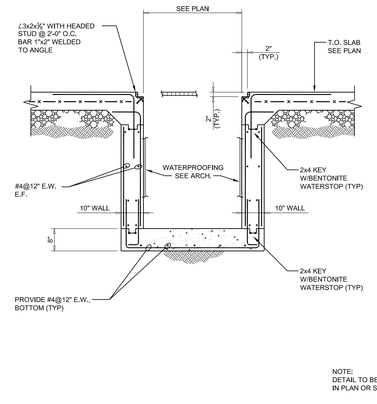
BARS ADDED IN MIDDLE STRIP



NOTE:
IF NUMBER OF ADDED BAR GROUPS IS NOT SPECIFIED, ADDED BARS SHOULD BE EVENLY DISTRIBUTED ACROSS THE ENTIRE COLUMN OR MIDDLE STRIP WIDTH.

6 ADDED BOTTOM BAR PLACEMENT DETAIL

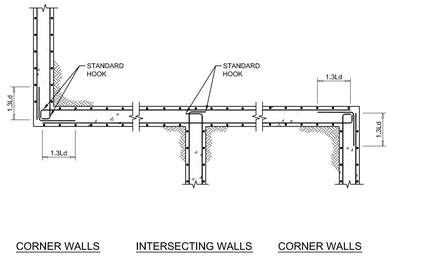
SCALE: 1/2"=1'-0"



NOTE:
DETAIL TO BE USED U.O.N. IN PLAN OR SECTION

6 SUMP PIT SECTION

SCALE: 1/2"=1'-0"

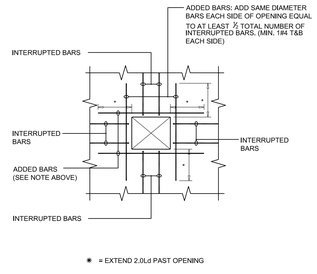


CORNER WALLS INTERSECTING WALLS CORNER WALLS

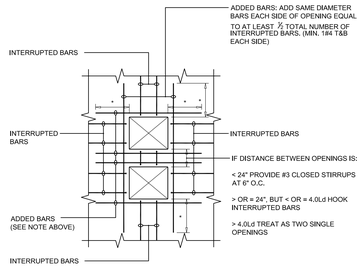
NOTE:
CORNER BARS TO MATCH SIZE AND SPACING OF HORIZONTAL BARS IN WALLS.

5 FOUNDATION WALL CORNER REINFORECEMENT

SCALE: 1/2"=1'-0"



SINGLE OPENING



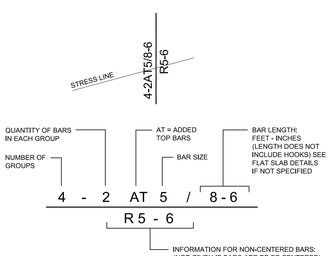
MULTIPLE OPENINGS

NOTES:
1. HOOK ALL INTERRUPTED BARS.
2. OMIT ADDED BARS IF STANDARD BAR SPACING CAN BE PLACED ON EITHER SIDE OF THE OPENING.
3. WHERE OPENINGS ARE NEAR OR AGAINST EXTERIOR WALLS, OR PITS, OR WHERE ADDED REINFORCEMENT CANNOT BE EXTENDED 2.0Ld, HOOK ADDED BARS.

7 TYP. PRESSURE SLAB/ CORE MAT OPENING DETAILS

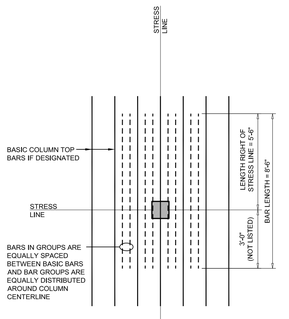
SCALE: 1/2"=1'-0"

PLAN DESIGNATION

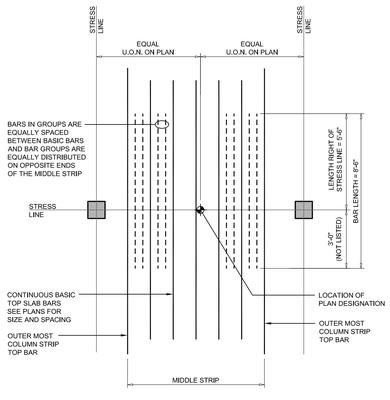


NOTE:
RIGHT AND LEFT DIRECTIONS ARE ORIENTED RELATIVE TO THE DESIGNATION TEXT.

BARS ADDED IN COLUMN STRIP



BARS ADDED IN MIDDLE STRIP

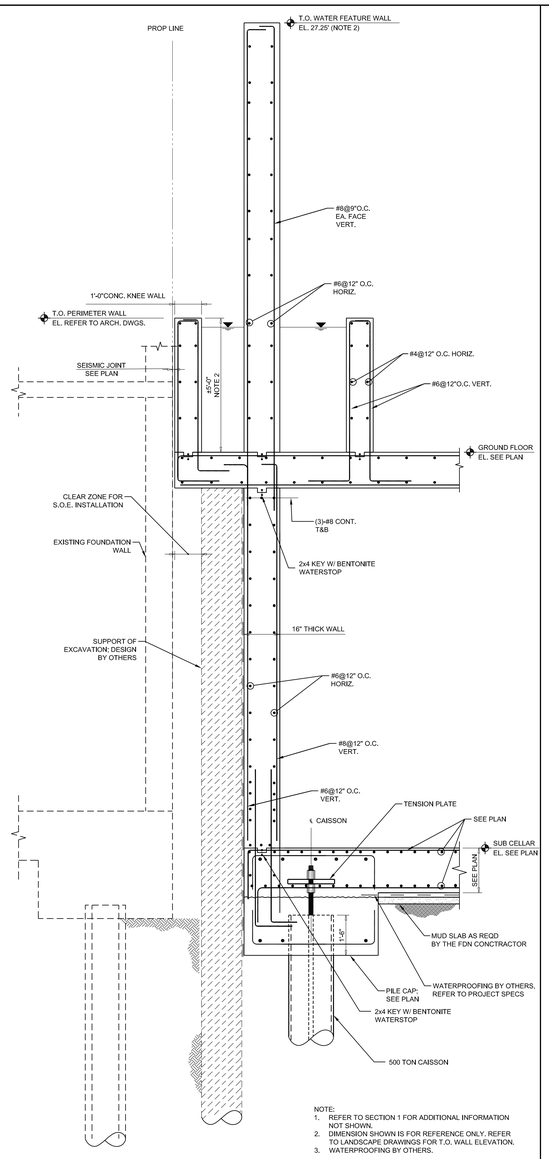


NOTE:
IF NUMBER OF ADDED BAR GROUPS IS NOT SPECIFIED, ADDED BARS SHOULD BE EVENLY DISTRIBUTED ACROSS THE ENTIRE COLUMN OR MIDDLE STRIP WIDTH.

6 ADDED TOP BAR PLACEMENT DETAIL

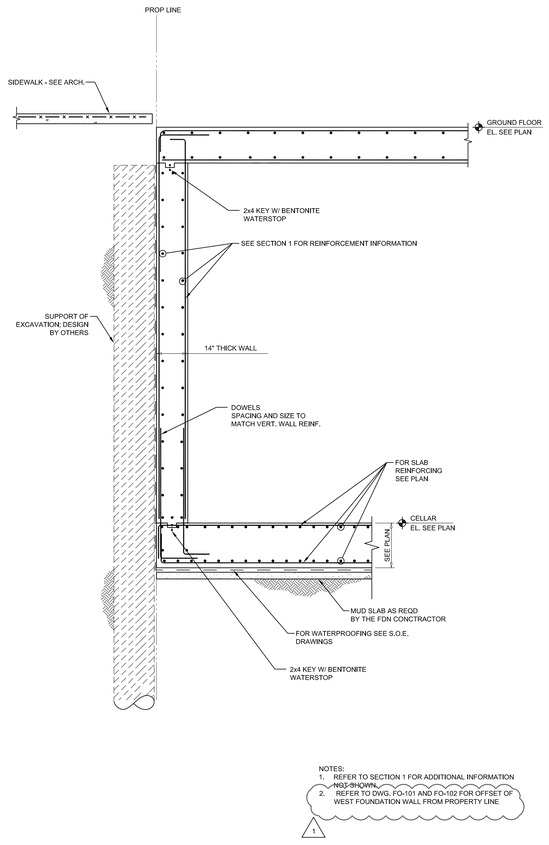
SCALE: 1/2"=1'-0"

DEPT OF BLDGS 421323.00 Job Number
ES3813825056 Scan Code



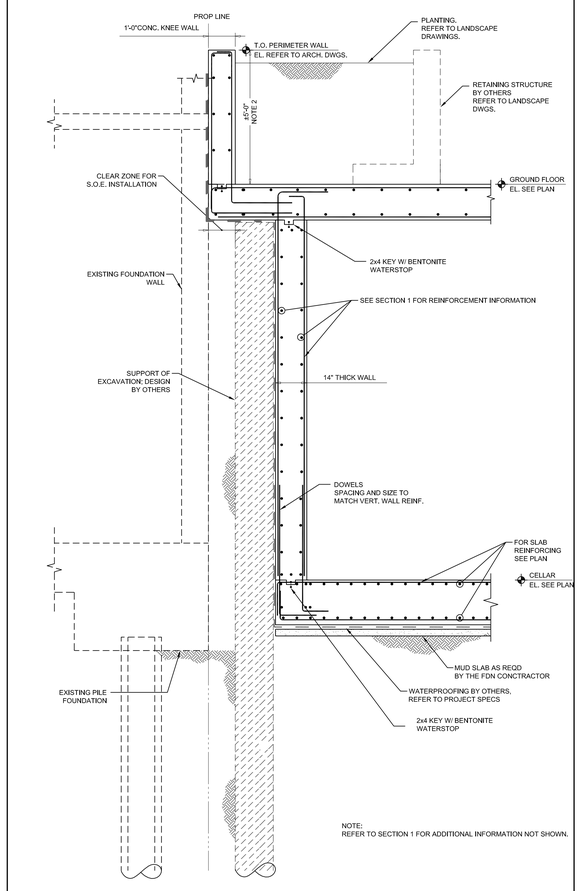
NOTE:
1. REFER TO SECTION 1 FOR ADDITIONAL INFORMATION NOT SHOWN.
2. DIMENSION SHOWN IS FOR REFERENCE ONLY. REFER TO LANDSCAPE DRAWINGS FOR T.O. WALL ELEVATION.
3. WATERPROOFING BY OTHERS.

4 FOUNDATION WALL SECTION @ POOL
SCALE: 1/2"=1'-0"



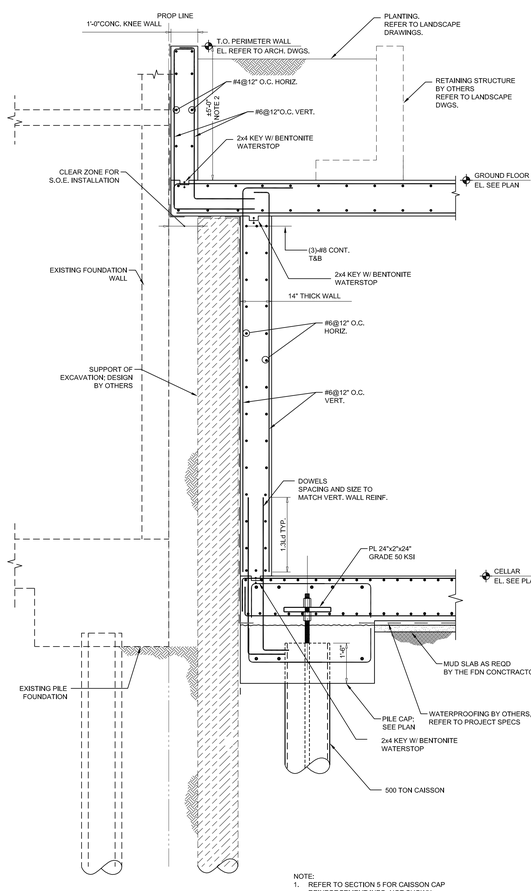
NOTES:
1. REFER TO SECTION 1 FOR ADDITIONAL INFORMATION NOT SHOWN.
2. REFER TO DWG. FO-101 AND FO-102 FOR OFFSET OF WEST FOUNDATION WALL FROM PROPERTY LINE

3 FOUNDATION WALL SECTION AT SIDEWALK
SCALE: 1/2"=1'-0"



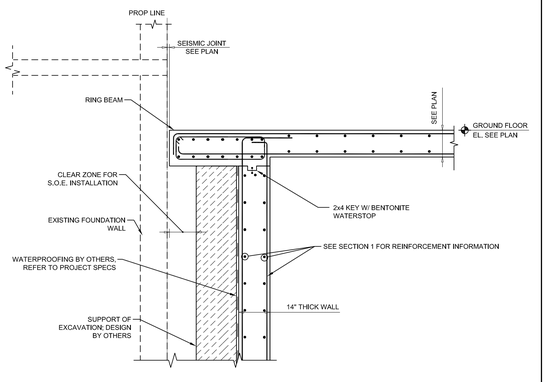
NOTE:
REFER TO SECTION 1 FOR ADDITIONAL INFORMATION NOT SHOWN.

2 FOUNDATION WALL SECTION AT GREENWALL
SCALE: 1/2"=1'-0"

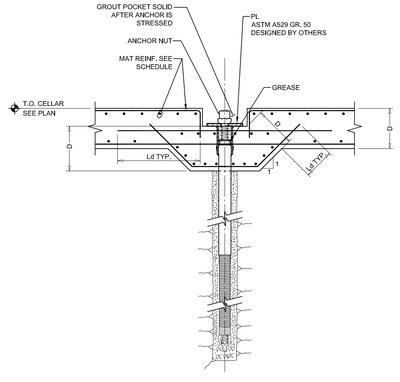


NOTE:
1. REFER TO SECTION 5 FOR CAISSON CAP REINFORCEMENT INFO, NOT SHOWN.
2. DIMENSION SHOWN IS FOR REFERENCE ONLY. CONFIRM T.O. WALL EL. W/ LANDSCAPE DRAWINGS

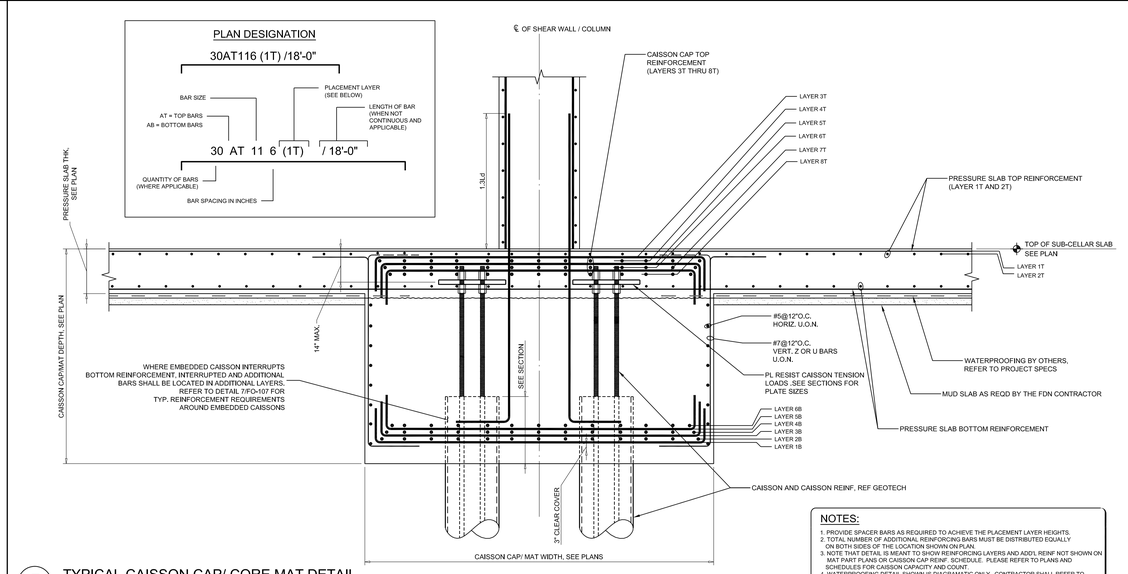
1 TYPICAL FOUNDATION WALL SECTION
SCALE: 1/2"=1'-0"



7 SECTION @ RING BEAM
SCALE: 1/2"=1'-0"



6 TYPICAL ROCK ANCHOR DETAIL
SCALE: 1/2"=1'-0"



NOTES:
1. PROVIDE SPACER BARS AS REQUIRED TO ACHIEVE THE PLACEMENT LAYER HEIGHTS.
2. TOTAL NUMBER OF ADDITIONAL REINFORCING BARS MUST BE DISTRIBUTED EQUALLY ON BOTH SIDES OF THE LOCATION SHOWN ON PLAN.
3. NOTE THAT DETAIL IS MEANT TO SHOW REINFORCING LAYERS AND ADD'L REINF NOT SHOWN ON MAT PART PLANS OR CAISSON CAP REINF. SCHEDULE. PLEASE REFER TO PLANS AND SCHEDULES FOR CAISSON CAPACITY AND COUNT.
4. WATERPROOFING DETAIL SHOWN IS DIAGRAMATIC ONLY. CONTRACTOR SHALL REFER TO WATERPROOFING SPECIFICATIONS FOR RELEVANT INFORMATION.

5 TYPICAL CAISSON CAP/ CORE MAT DETAIL
SCALE:1/2"=1'-0"

KEY PLAN

Number:	Date:	Revision:
1	03/31/15	DOB ISSUE
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO.7
	01/23/15	DOB ISSUE
	01/15/15	DOCUMENT ISSUE NO.5
	01/09/15	DOCUMENT ISSUE NO.4
	11/21/14	DOCUMENT ISSUE NO.2
	11/07/14	DOCUMENT ISSUE NO.1

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5780, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

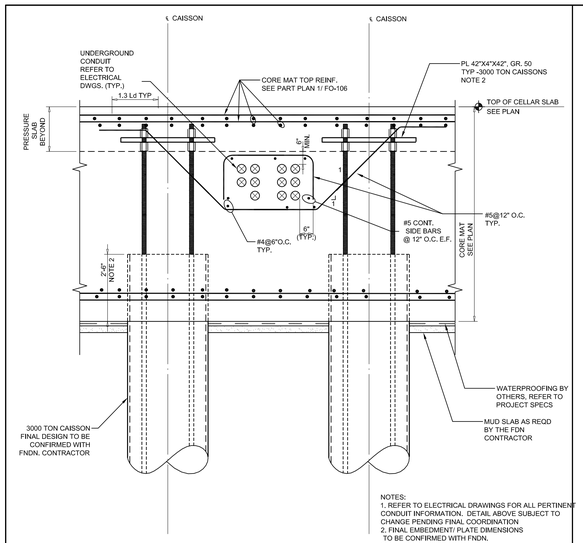
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
FOUNDATION SECTIONS AND DETAILS

SEAL & SIGNATURE:
STATE OF NEW YORK
GEORGE V. DESIMONE
LICENSED PROFESSIONAL ENGINEER
074935

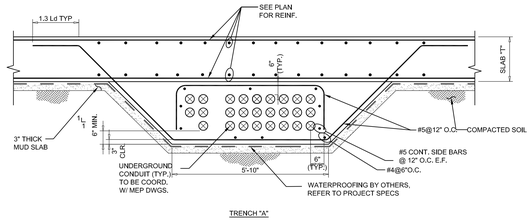
DATE: 09/15/14
PROJECT #: 14077.00
SCALE: AS NOTED
DWG NO.: FO-108.01
OF

DEPT OF BLDGS 421323.00 Job Number
E364513178 Scan Code



NOTES:
1. REFER TO ELECTRICAL DRAWINGS FOR ALL PERTINENT CONDUIT INFORMATION. DETAIL ABOVE SUBJECT TO CHANGE PENDING FINAL COORDINATION
2. FINAL EMBEDMENT/ PLATE DIMENSIONS TO BE CONFIRMED WITH FNDN. CONTRACTOR.

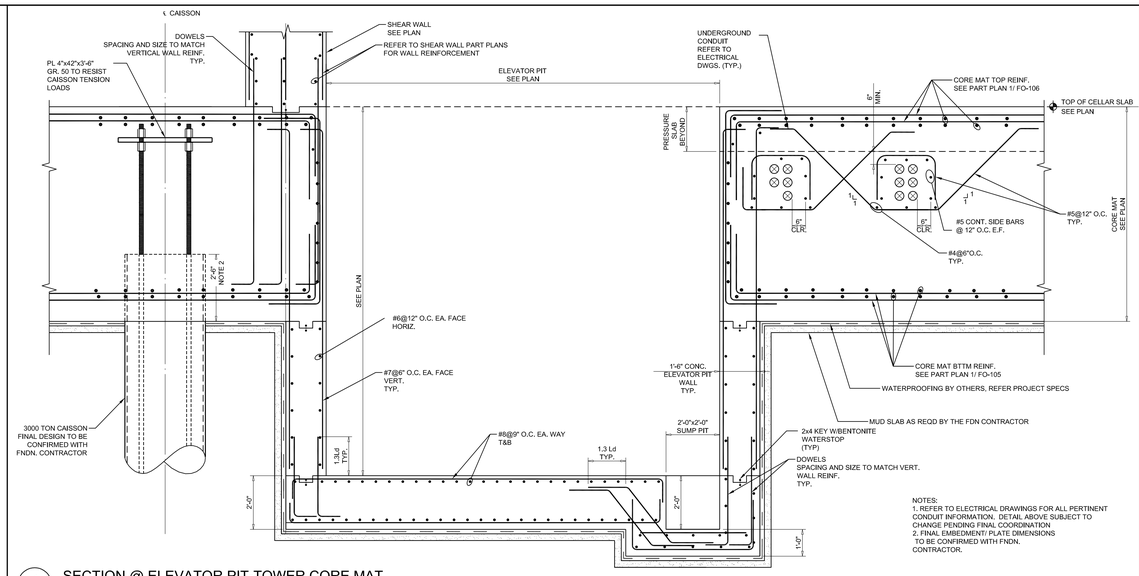
3 SECTION @ ELECTRICAL CONDUIT-CORE MAT
SCALE: 1/2"=1'-0"



TRENCH "A"

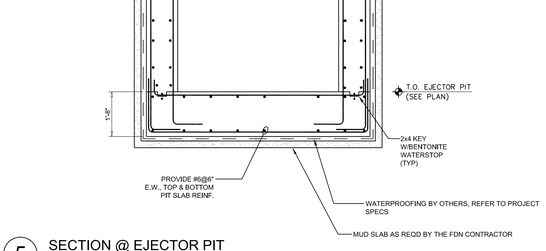
NOTE:
REFER TO ELECTRICAL DRAWINGS FOR ALL PERTINENT CONDUIT INFORMATION. DETAIL ABOVE SUBJECT TO CHANGE PENDING FINAL COORDINATION

2 SECTION @ ELECTRICAL CONDUIT TRENCH
SCALE: 1/2"=1'-0"

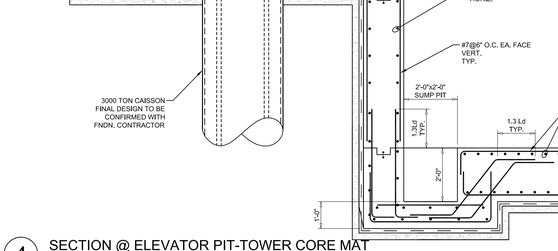


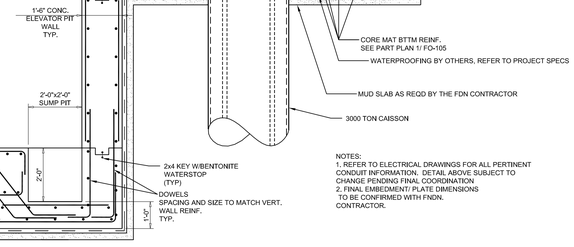
NOTES:
1. REFER TO ELECTRICAL DRAWINGS FOR ALL PERTINENT CONDUIT INFORMATION. DETAIL ABOVE SUBJECT TO CHANGE PENDING FINAL COORDINATION
2. FINAL EMBEDMENT/ PLATE DIMENSIONS TO BE CONFIRMED WITH FNDN. CONTRACTOR.

1 SECTION @ ELEVATOR PIT-TOWER CORE MAT
SCALE: 1/2"=1'-0"



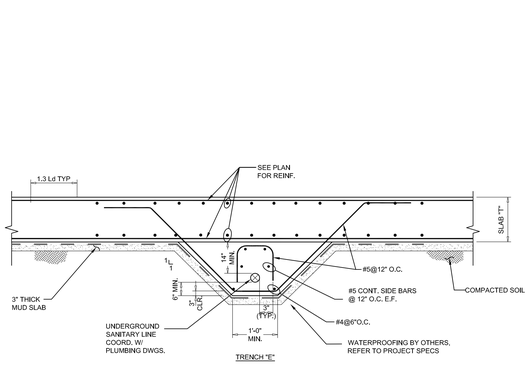
5 SECTION @ EJECTOR PIT
SCALE: 1/2"=1'-0"





NOTES:
1. REFER TO ELECTRICAL DRAWINGS FOR ALL PERTINENT CONDUIT INFORMATION. DETAIL ABOVE SUBJECT TO CHANGE PENDING FINAL COORDINATION
2. FINAL EMBEDMENT/ PLATE DIMENSIONS TO BE CONFIRMED WITH FNDN. CONTRACTOR.

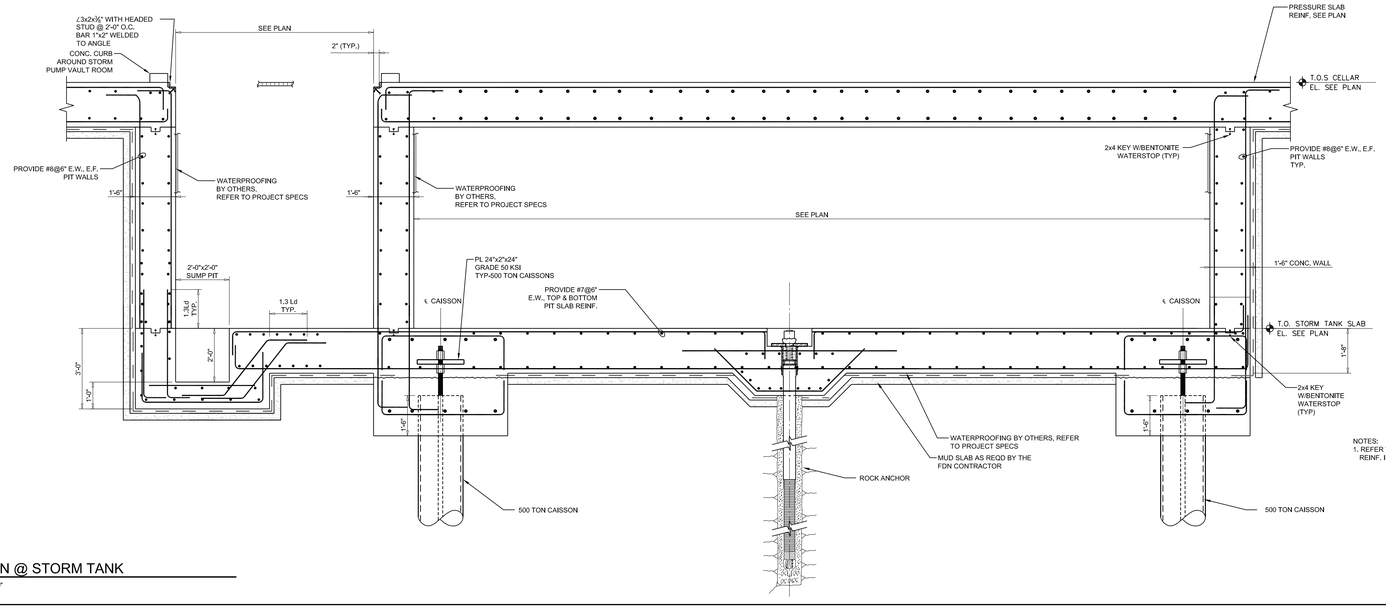
4 SECTION @ ELEVATOR PIT-TOWER CORE MAT
SCALE: 1/2"=1'-0"



TRENCH "E"

NOTE:
REFER TO PLUMBING DRAWINGS FOR ALL PERTINENT SANITARY LINE INFORMATION. DETAIL ABOVE SUBJECT TO CHANGE PENDING FINAL COORDINATION.

7 SECTION @ SANITARY LINE TRENCH
SCALE: ..."=1'-0"



NOTES:
1. REFER TO SECTION 5/FO-108 FOR ADD'L CAISSON REINF. INFO, NOT SHOWN.

6 SECTION @ STORM TANK
SCALE: 1/2"=1'-0"

KEY PLAN

Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7
	01/23/15	DOB ISSUE
	01/15/15	DOCUMENT ISSUE NO.5
	01/09/15	DOCUMENT ISSUE NO.4
	11/21/14	DOCUMENT ISSUE NO.2
	11/07/14	DOCUMENT ISSUE NO.1

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5780, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

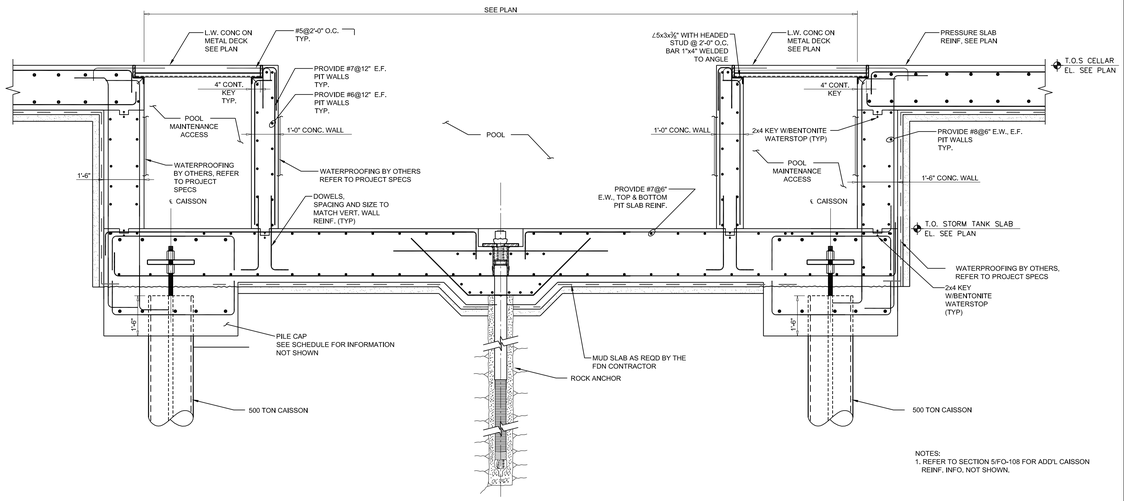
DWG TITLE:
FOUNDATION SECTIONS AND DETAILS

SEAL & SIGNATURE:
STATE OF NEW YORK — STEPHEN V. DESIMONE — 074933 — LICENSED PROFESSIONAL ENGINEER

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: AS NOTED
DWG NO. FO-109.00

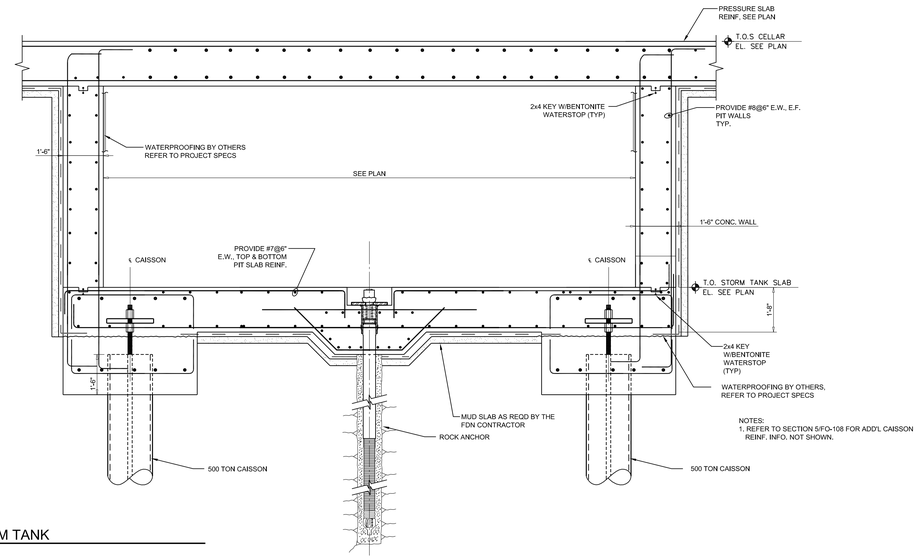
T:\PROJECTS\14077.00\14077.00 OF

DEPT OF BLDGS 121121210 Job Number
E-596662350 Scan Code



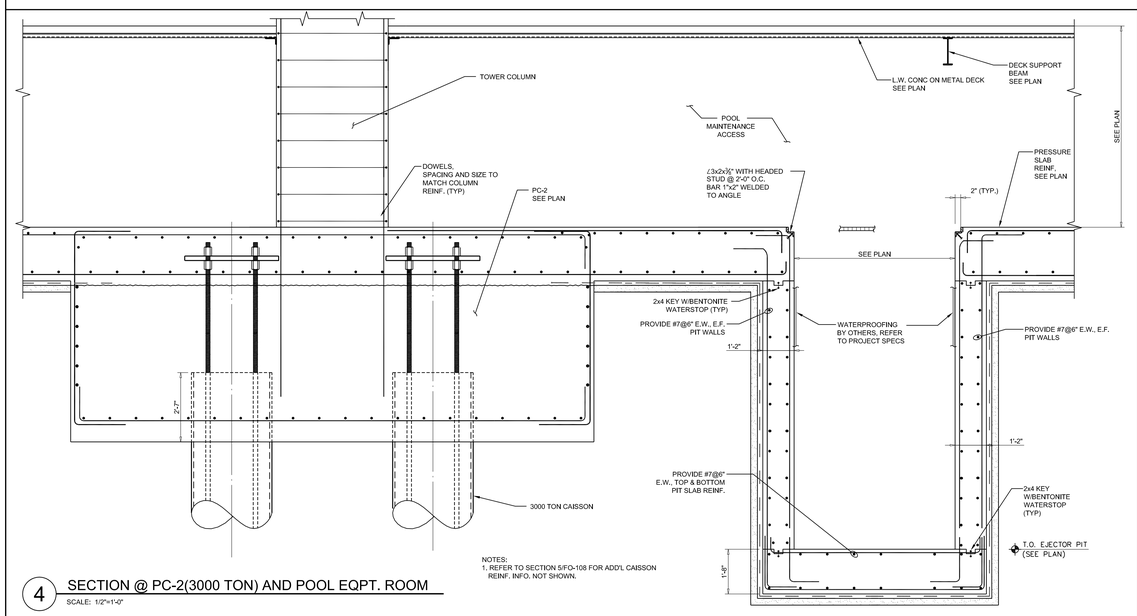
2 SECTION @ LAP POOL

SCALE: 1/2"=1'-0"



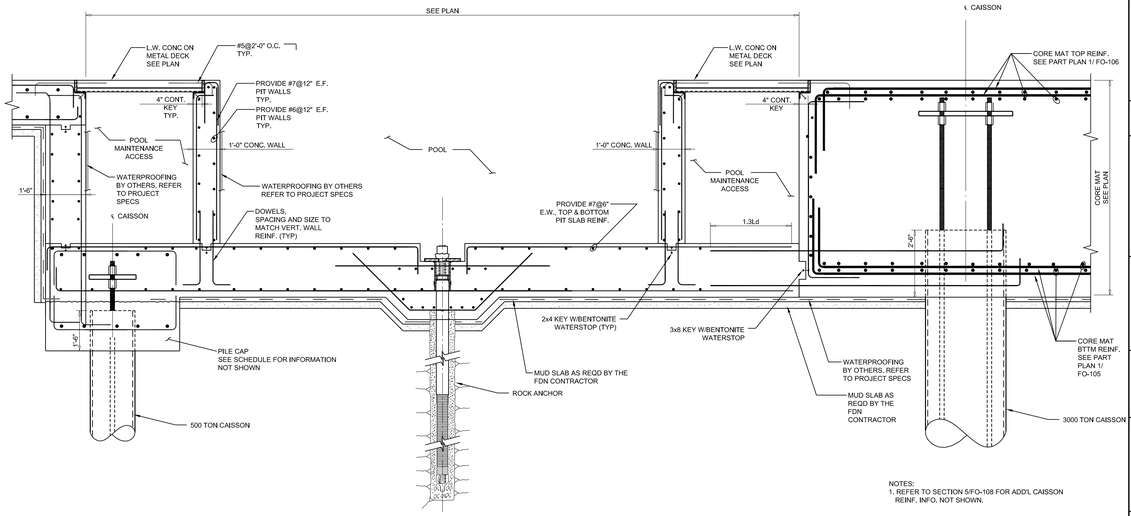
1 SECTION @ STORM TANK

SCALE: 1/2"=1'-0"



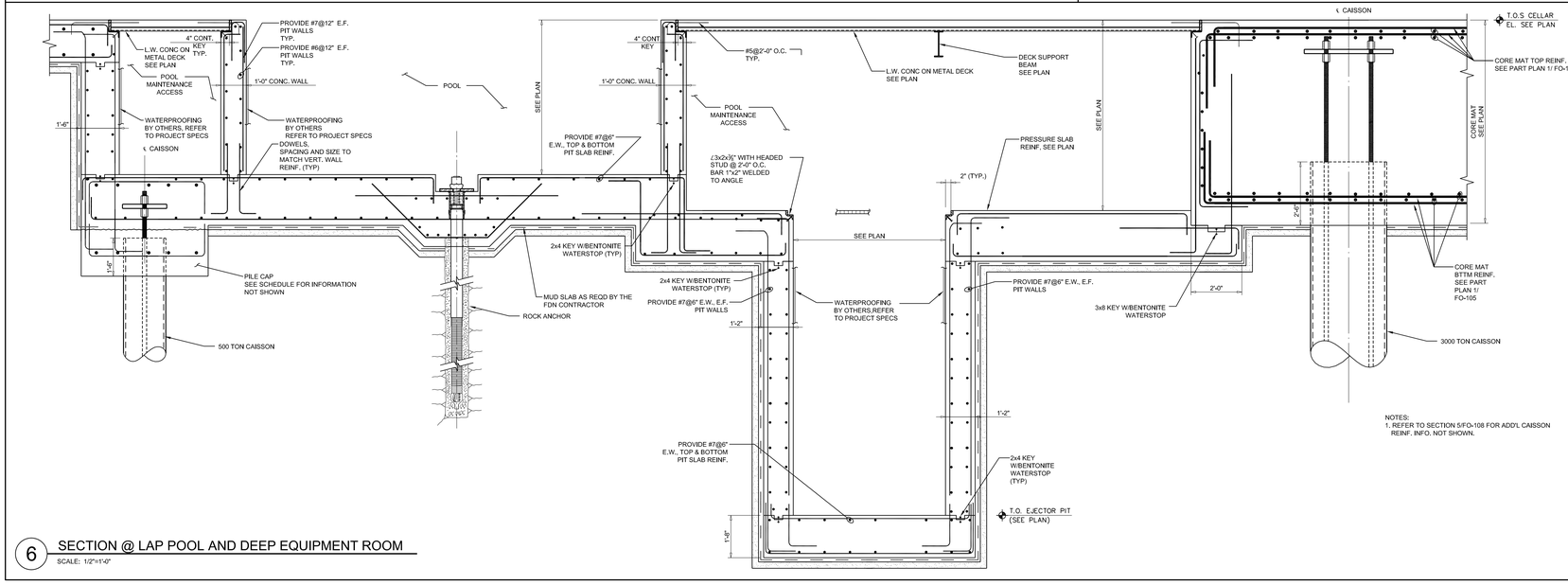
4 SECTION @ PC-2(3000 TON) AND POOL EQPT. ROOM

SCALE: 1/2"=1'-0"



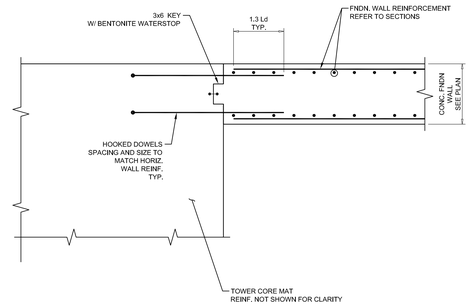
3 SECTION @ LAP POOL ADJACENT TO CORE MAT

SCALE: 1/2"=1'-0"



6 SECTION @ LAP POOL AND DEEP EQUIPMENT ROOM

SCALE: 1/2"=1'-0"



5 DETAIL @ POOL WALL ATTACHMENT TO CORE MAT

SCALE: 3/4"=1'-0"

KEY PLAN

Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO.7
	01/23/15	DOB ISSUE
	01/15/15	DOCUMENT ISSUE NO.5
	01/09/15	DOCUMENT ISSUE NO.4
	11/21/14	DOCUMENT ISSUE NO.2
	11/07/14	DOCUMENT ISSUE NO.1

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
FOUNDATION SECTIONS AND DETAILS

SEAL & SIGNATURE:
STATE OF NEW YORK — STEPHEN V. DESIMONE — 074935 — LICENSED PROFESSIONAL ENGINEER

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: AS NOTED

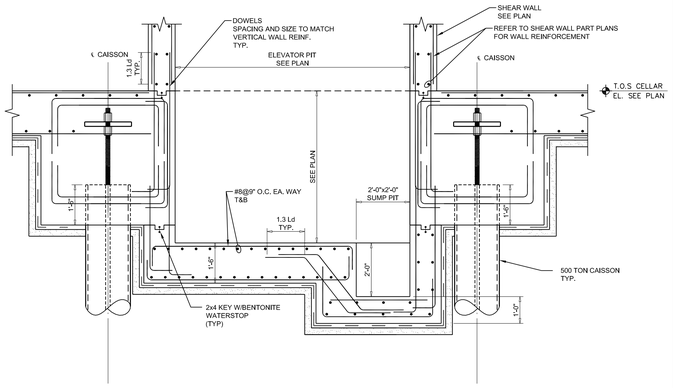
FO-110.00

DWG NO.

OF

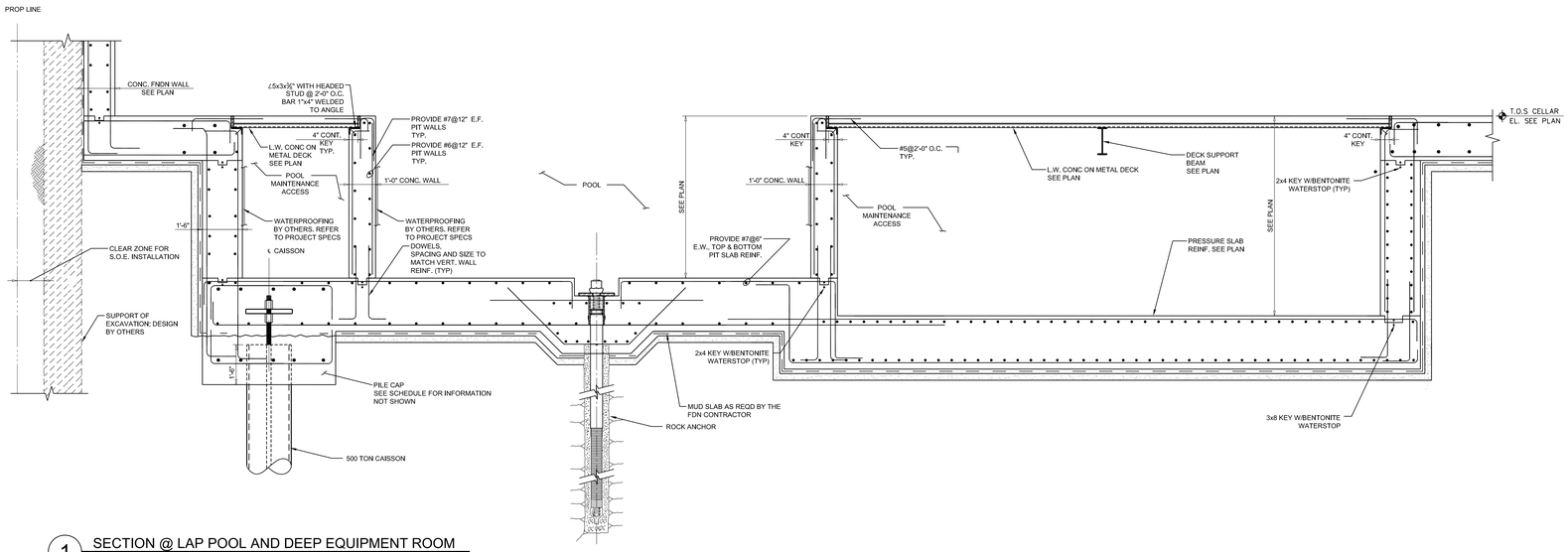
I:\PROJECTS\14077.00\CAD\DWG\DWG\

DEPT OF BLDGS 421323.00 Job Number
E501134070S Scan Code



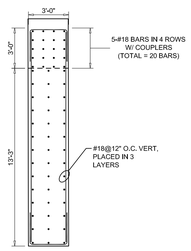
2 SECTION @ ELEVATOR PIT-PAVILION CORE MAT

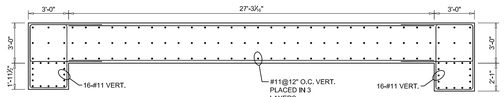
SCALE: 1/2"=1'-0"

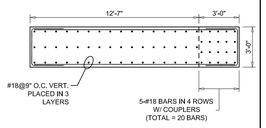


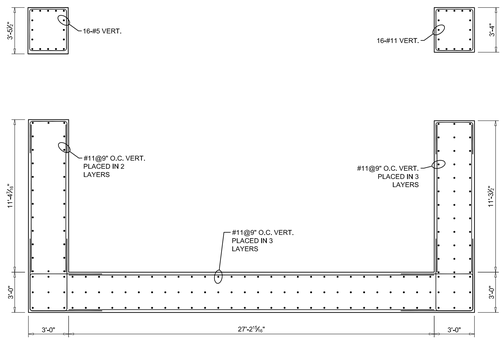
1 SECTION @ LAP POOL AND DEEP EQUIPMENT ROOM

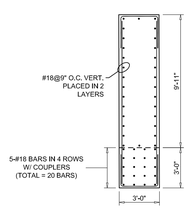
SCALE: 1/2"=1'-0"







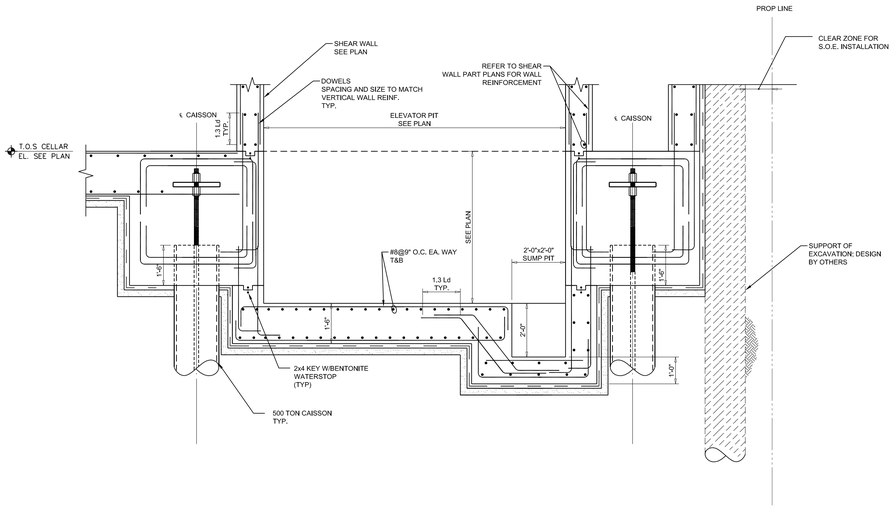




NOTE:
ALL REINFORCING STEEL IN SHEAR WALL SHALL BE GRADE 80 KSI. DOWELS IN FNDN. TO MATCH.

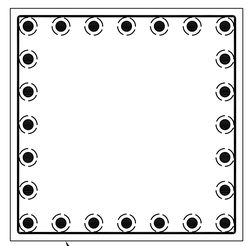
6 FOUNDATION SHEAR WALL DOWELS

SCALE: 1/4"=1'-0"



3 SECTION @ ELEVATOR PIT-PAVILION CORE MAT

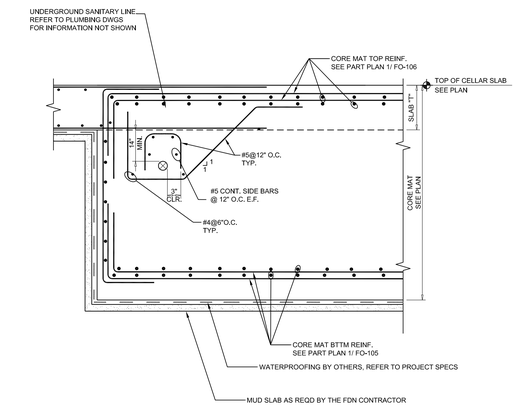
SCALE: 1/2"=1'-0"



NOTE:
REFER TO SECTION 6/FO-104 FOR REQUIRED PLATE FOR COLUMN DOWELS.

5 FOUNDATION TOWER COLUMN DOWELS

SCALE: 1"=1'-0"



NOTE:
REFER TO PLUMBING DRAWINGS FOR ALL PERTINENT SANITARY LINE INFORMATION. DETAIL ABOVE SUBJECT TO CHANGE PENDING FINAL COORDINATION.

4 SECTION @ SANITARY LINE IN CORE MAT

SCALE: 1/2"=1'-0"

KEY PLAN

Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO.7
	01/23/15	DOB ISSUE
	01/15/15	DOCUMENT ISSUE NO.5
	01/09/15	DOCUMENT ISSUE NO.4
	11/21/14	DOCUMENT ISSUE NO.2
	11/07/14	DOCUMENT ISSUE NO.1

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/10/2015
NYC Development Hub

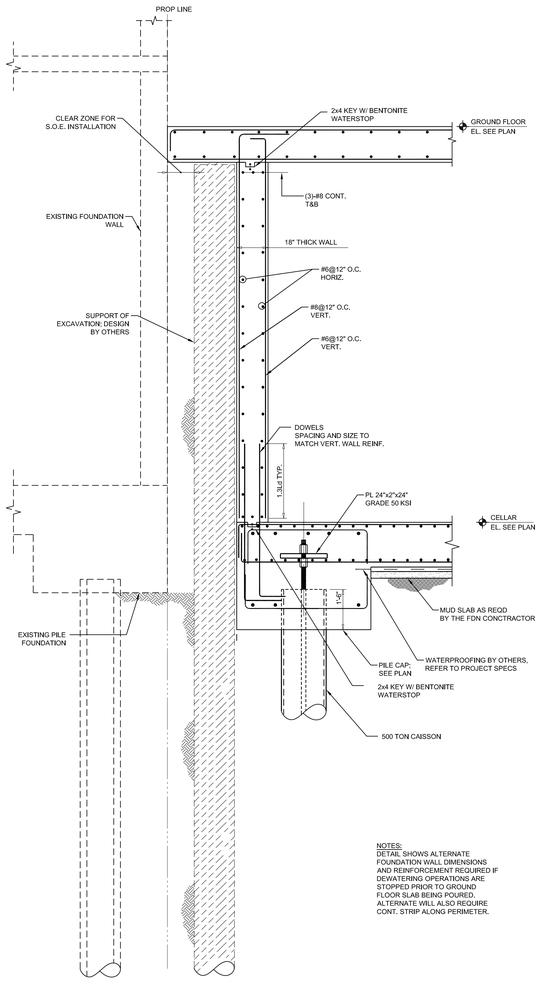
DWG TITLE:
FOUNDATION SECTIONS AND DETAILS

SEAL & SIGNATURE:
STATE OF NEW YORK
STEPHEN V. DESIMONE
074933
LICENSED PROFESSIONAL ENGINEER

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: AS NOTED
DWG NO. FO-111.00
OF

I:\PROJECTS\14077\14077.00\14077.00.DWG

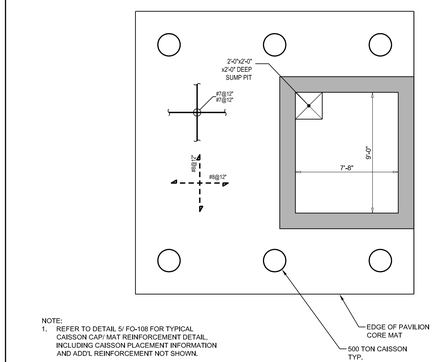
DEPT OF BLDGS 421333 00 Job Number
E350438739 Scan Code



NOTES:
DETAIL SHOWS ALTERNATE FOUNDATION WALL DIMENSIONS AND REINFORCEMENT REQUIRED IF DEWATERING OPERATIONS ARE STOPPED PRIOR TO GROUND FLOOR SLAB BEING POURED. ALTERNATE WILL ALSO REQUIRE CONT. STRIP ALONG PERIMETER.

5 ALTERNATE TYP. WALL SECTION-CANTILEVER CONDITON

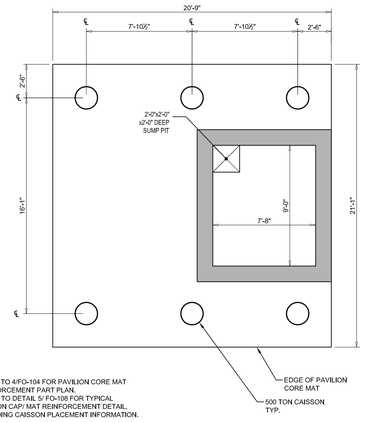
SCALE: 1/2"=1'-0"



NOTE:
1. REFER TO DETAIL 5/ FO-108 FOR TYPICAL CAISSON CAP/ MAT REINFORCEMENT DETAIL, INCLUDING CAISSON PLACEMENT INFORMATION AND ADD'L REINFORCEMENT NOT SHOWN.

3 PAVILION CORE MAT-REINFORCEMENT PART PLAN

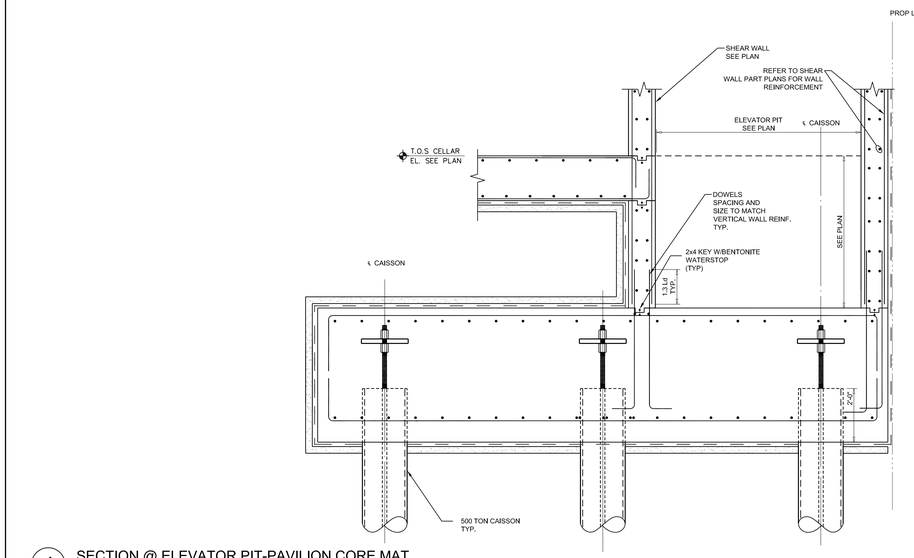
SCALE: 1/4"=1'-0"



NOTE:
1. REFER TO 4/FO-104 FOR PAVILION CORE MAT REINFORCEMENT PART PLAN.
3. REFER TO DETAIL 5/ FO-108 FOR TYPICAL CAISSON CAP/ MAT REINFORCEMENT DETAIL, INCLUDING CAISSON PLACEMENT INFORMATION.

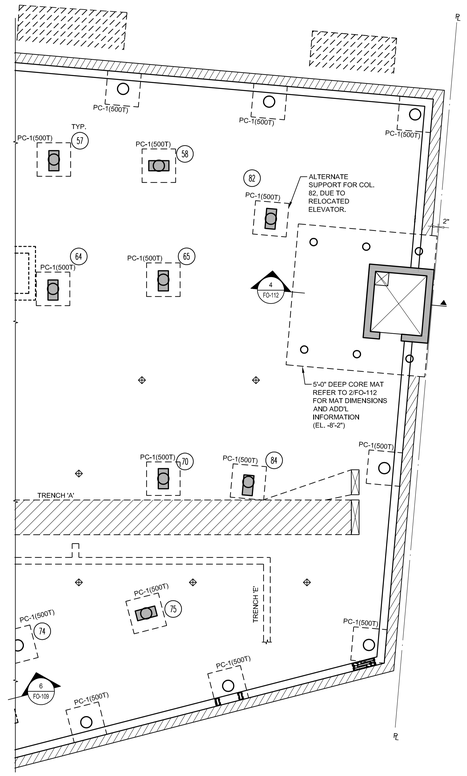
2 PAVILION CORE MAT-PILE LOCATION PLAN

SCALE: 1/4"=1'-0"



4 SECTION @ ELEVATOR PIT-PAVILION CORE MAT

SCALE: 1/2"=1'-0"



NOTES:
1. PART PLAN IS MEANT TO REFLECT REVISIONS REQUIRED ONLY FOR PAVILION CORE AND COLUMN 82 SUPPORT. PLEASE REFER TO DRAWING FO-101 AND FO-102 FOR ALL OTHER INFORMATION NOT SHOWN.
2. INFORMATION PRESENTED ABOVE REPRESENTS ALTERNATE ONLY.
3. PILE CAPS DESIGNED TO BE POURED INTEGRALLY WITH PRESSURE SLAB U.O.N. THUS: (EL. -X'-X"); WHERE EL. -X'-X" REFERS TO TOP OF PILE CAP.

1 CELLAR FLOOR PART PLAN - ALTERNATE PAVILION ELEVATOR LOCATION

SCALE: 1/4"=1'-0"

KEY PLAN

Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7
	01/23/15	DOB ISSUE
	01/15/15	DOCUMENT ISSUE NO.5
	01/09/15	DOCUMENT ISSUE NO.4

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5780, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
FOUNDATION ALTERNATE PLANS, SECTIONS, AND DETAILS

SEAL & SIGNATURE:
STATE OF NEW YORK STEPHEN V. DESIMONE 074933 LICENSED PROFESSIONAL ENGINEER

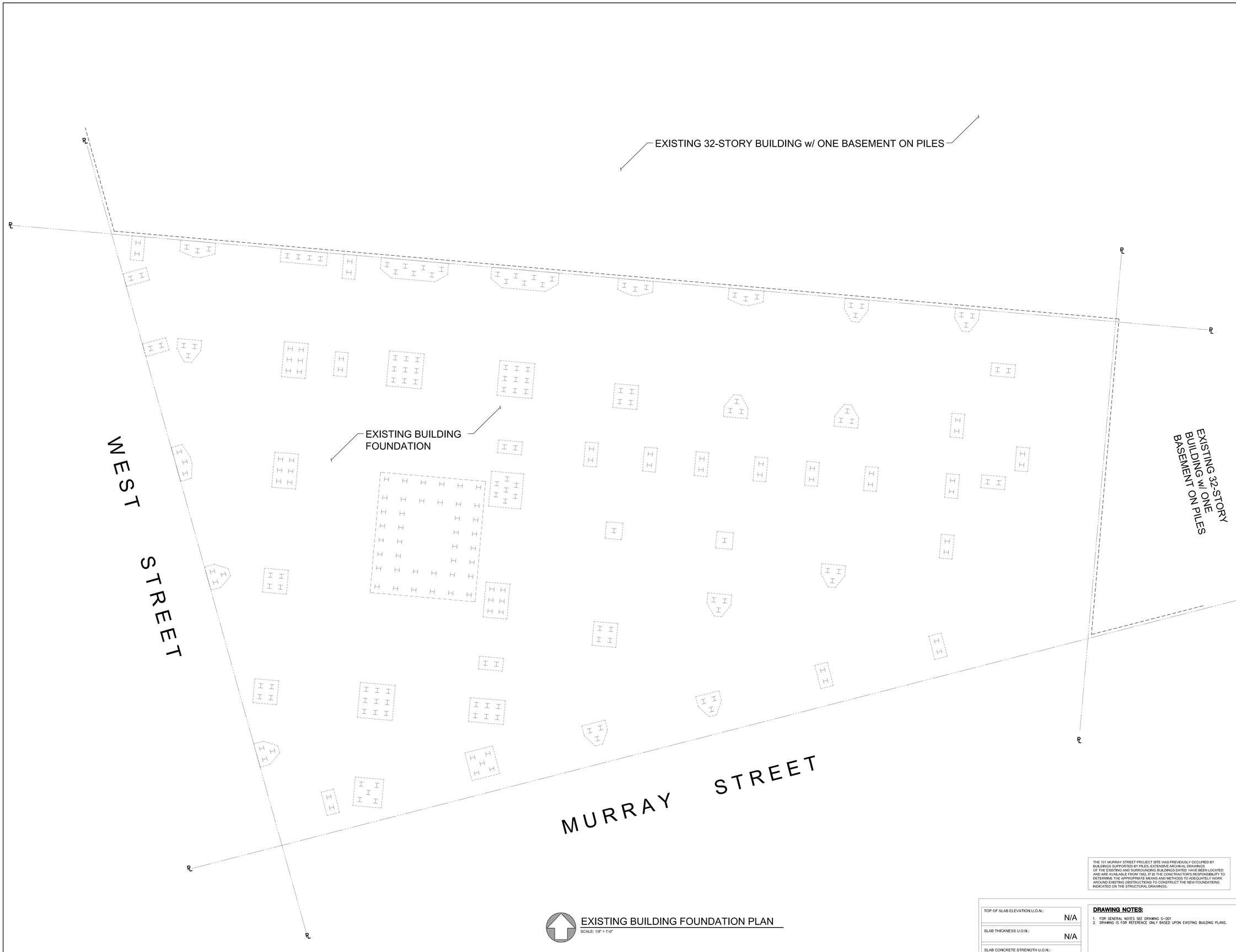
DATE: 09/15/14
PROJECT #: 14077.00
SCALE: AS NOTED

DWG NO.
FO-112.00

SHEET OF

DEPT OF BLDGS 421323 00 Job Number

ES1.0071.0917 Scan Code



EXISTING BUILDING FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

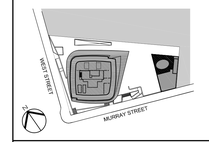
THE 101 MURRAY STREET PROJECT SITE WAS PREVIOUSLY OCCUPIED BY BUILDINGS SUPPORTED BY PILES. EXTENSIVE ARCHIVAL DRAWINGS OF THE EXISTING AND SURROUNDING BUILDINGS DATED HAVE BEEN LOCATED AND ARE AVAILABLE FROM 1982. IT IS THE CONCTRACTOR'S RESPONSIBILITY TO DETERMINE THE APPROPRIATE MEANS AND METHODS TO ADEQUATELY WORK AROUND EXISTING OBSTRUCTIONS TO CONSTRUCT THE NEW FOUNDATIONS INDICATED ON THE STRUCTURAL DRAWINGS.

TOP OF SLAB ELEVATION U.O.N.:	N/A
SLAB THICKNESS U.O.N.:	N/A
SLAB CONCRETE STRENGTH U.O.N.:	N/A
SLAB BASIC CONTINUOUS BOTTOM BARS (U.O.N.):	N/A
SLAB BASIC CONTINUOUS TOP BARS (U.O.N.):	N/A

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. DRAWING IS FOR REFERENCE ONLY BASED UPON EXISTING BUILDING PLANS.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7
	01/23/15	DOB ISSUE
	01/15/15	DOCUMENT ISSUE NO.5
	01/09/15	DOCUMENT ISSUE NO.4

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
EXISTING BUILDING FOUNDATION PLAN

SEAL & SIGNATURE:
STATE OF NEW YORK
074935
LICENSED PROFESSIONAL ENGINEER

DATE:	05/15/14
PROJECT #:	14077.00
SCALE:	AS NOTED
DWG NO.	FO-113.00

I:\PROJECTS\14077.00\MODELS\FO-113.00.dwg

OF

DEPT OF BLDGS 421323 00 Job Number
E5415503000 Scan Code

EXISTING 32-STORY BUILDING w/ ONE BASEMENT ON PILES

±113'-6" T.O. FNDN. WALL EL. +5'-3"
±127'-7" T.O. FNDN. WALL EL. +5'-6"
37'-3½" EXTENT OF 1'-4" THICK CONCRETE WALL
269'-1"
± 65'-4½" T.O. FNDN. WALL EL. +7'-3"
±39'-3" T.O. FNDN. WALL EL. +5'-3"
±23'-4" T.O. FNDN. WALL EL. +8'-8"

1/FO-103

1'-2" FOUNDATION WALL BELOW
1'-2" FOUNDATION WALL BELOW
1'-0" S.O.E. ZONE
CONC. KNEE WALL
EDGE OF GROUND FLOOR SLAB

T.O. SLAB EL.+6'-1"
T.O. SLAB EL +11'-1"
SLAB t=16"
T.O. SLAB EL +12'-0"
SLAB t=12"
16" GROUND FLOOR SLAB DESIGNED FOR 400 PSF CONSTUCTION LIVE LOAD
EDGE OF TOWER GROUND FLOOR/ BUILT-UP SLAB
OUTLINE OF TOWER ABOVE
STYROFOAM FOR BUILT-UP SLAB SEE SECTION, TYP.
TYP.
SIM.
CONC. CURB
16'-0"(NOTE 11)
42'-0" (NOTE 11)
TEMPORARY HOLD-OUT SLAB FOR HOIST, NOTE 11
T.O. SLAB EL.6'-7"
SLAB t=16"
T.O. SLAB EL.6'-7"
SLAB t=16"
SLAB t=12"
T.O. SLAB EL.+9'-8"
SIM.
T.O. SLAB EL.8'-1"
SLAB t=16"
T.O. SLAB EL.7'-1"
SLAB t=16"
T.O. SLAB EL.+6'-7"
SLAB t=16"
T.O. SLAB EL.7'-1"
SLAB t=16"
T.O. SLAB EL.+6'-7"
SLAB t=16"
EQ
EQ
OPP.
OPP.
BM 1-1
BM 1-2
BM 1-3
BM 1-4
BM 1-5
BM 1-6
BM 1-7
BM 2-1
BM 2-2
BM 2-3
BM 1-5
BM 1-5
BM 1-5
BM 1-5
BM 1-5
BM 1-6
BM 1-7
BM 1-7
BM 2-2
BM 1-3
BM 1-3
BM 1-4
BM 2-1
CONC. KNEE WALLS SEE LANDSCAPE DWGS. FOR T.O. WALL ELEVATION
CONC. KNEE WALLS SEE LANDSCAPE DWGS. FOR T.O. WALL ELEVATION
CONC. KNEE WALL REFER TO LANDSCAPE DWGS. FOR T.O. WALL ELEVATION
CONC. SHEAR WALL BELOW
36" THK CONC. SHEAR WALL, TYP.
T.O. FNDN. WALL EL. +5'-3"
T.O. FNDN. WALL EL. +5'-3"
T.O. FNDN. WALL EL. +6'-9"
T.O. FNDN. WALL EL. +5'-9"
T.O. FNDN. WALL EL. +7'-6"
T.O. FNDN. WALL EL. +8'-8"
±117'-11"
222'-4½"
NOTE 15
NOTE 15
NOTE 15
NOTE 15
(NOTE 11)
(NOTE 11)
5'-0"
16"Ø OPENING IN FNDN. WALL FOR COMBINED SEWER SLEEVE. REFER TO DETAIL 4/ FO-107 FOR FNDN WALL OPENING DETAIL (NOTE 9)
12"Ø OPENING IN FNDN. WALL FOR INCOMING FIRE SERVICE. REFER TO DETAIL 4/ FO-107 FOR FNDN WALL OPENING DETAIL (NOTE 9)
10"Ø OPENING IN FNDN. WALL FOR DOMESTIC WATER SERVICE. REFER TO DETAIL 4/ FO-107 FOR FNDN WALL OPENING DETAIL (NOTE 9)
10" D x 34" W OPENING IN FNDN. WALL FOR INCOMING IT SERVICE REFER TO DETAIL 4/ FO-107 FOR FNDN WALL OPENING DETAIL (NOTE9)
14"Ø OPENING IN FNDN. WALL FOR INCOMING COMBINED SEWER LINE REFER TO DETAIL 4/ FO-107 FOR FNDN WALL OPENING DETAIL (NOTE 9)
10"Ø OPENING IN FNDN. WALL FOR INCOMING GAS SERVICE. REFER TO DETAIL 4/ FO-107 FOR FNDN WALL OPENING DETAIL (NOTE 9)
18" D x 42" W OPENING IN FNDN. WALL FOR INCOMING ELECTRICAL SERVICE. REFER TO DETAIL 4/ FO-107 FOR FNDN WALL OPENING DETAIL (NOTE 9)
2/FO-103
2/FO-103
1/FO-103
EXISTING 32-STORY BUILDING w/ ONE BASEMENT ON PILES
WEST STREET
MURRAY STREET

GROUND FLOOR PLAN
SCALE: 1/8" = 1'-0"

CONCRETE BEAM SCHEDULE

MARK	SIZE (W x H)	BOTTOM BARS	CONT TOP BARS	STIRRUPS SIZE	STIRRUPS SPACING	REMARKS
B1-1	8x24	2-#6	2-#6	2L #3	@ 12" O.C.	
B1-2	12x24	3-#6	3-#6	2L #4	@ 12" O.C.	
B1-3	36x41	5#8	7#8	2L #3	@12" O.C.	
B1-4	36x65	4#5	4#5	2L #3	@12" O.C.	
B1-5	24X54	6#8	10#8 (2 ROWS)	2L#4	@12" O.C.	
B1-6	24X30	14 #10 (2 ROWS)	10#8 (2 ROWS)	4L #5	@8" O.C.	
B1-7	24x36	10#8 (2 ROWS)	12#8 (2 ROWS)	4L#4	@8" O.C.	

LEGEND:
- DENOTES CONCRETE COLUMN/ WALL
- DENOTES CONCRETE COLUMN BELOW
- DENOTES SLAB OPENING
- UP — DENOTES CONCRETE COLUMN UP

TOP OF SLAB ELEVATION U.O.N.:	SEE PLAN
SLAB THICKNESS U.O.N.:	16"
SLAB CONCRETE STRENGTH U.O.N.:	10,000 PSI
SLAB BASIC BOTTOM BARS U.O.N.:	#8@9" O.C. E.W.
SLAB BASIC TOP BARS (U.O.N.):	#8@9" O.C. E.W.

DRAWING NOTES:
1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401
4. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
5. DETAILER TO CHECK ALL BAR CLEARANCES.
6. OUTERMOST REINFORCING RUNS EAST-WEST.
7. WATERPROOFING BY OTHERS. REFER TO PROJECT SPECIFICATIONS.
8. ADJACENT BUILDINGS ARE SHOWN FOR INFORMATION ONLY. CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS.
9. FINAL OPENING DIMENSIONS AND LOCATIONS IN FNDN. WALLS TO BE COORDINATED AND CONFIRMED WITH MEP DWGS.
10. FNDN. CONTRACTOR IS ONLY RESPONSIBLE FOR PLACEMENT OF SUPERSTRUCTURE COLUMN SHEAR WALL AND GROUND FLOOR SLAB DOWELS . COLUMNS, SHEAR WALLS AND GROUND FLOOR SLAB SHALL BE THE RESPONSIBILITY OF THE SUPERSTRUCTURE CONTRACTOR.
11. FINAL DIMENSIONS FOR HOIST AND CRANE TEMPORARY SLAB OPENING TO BE COORDINATED WITH G.C.
12. CONCRETE SLAB TO SLOPE FOR DRAINAGE. SLOPES IN SLAB TO BE COORDINATED W. LANDSCAPE ARCHITECT.

KEY PLAN

Number:	Date:	Revision:
	03/31/15	DOB ISSUE
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/10/2015
NYC Development Hub

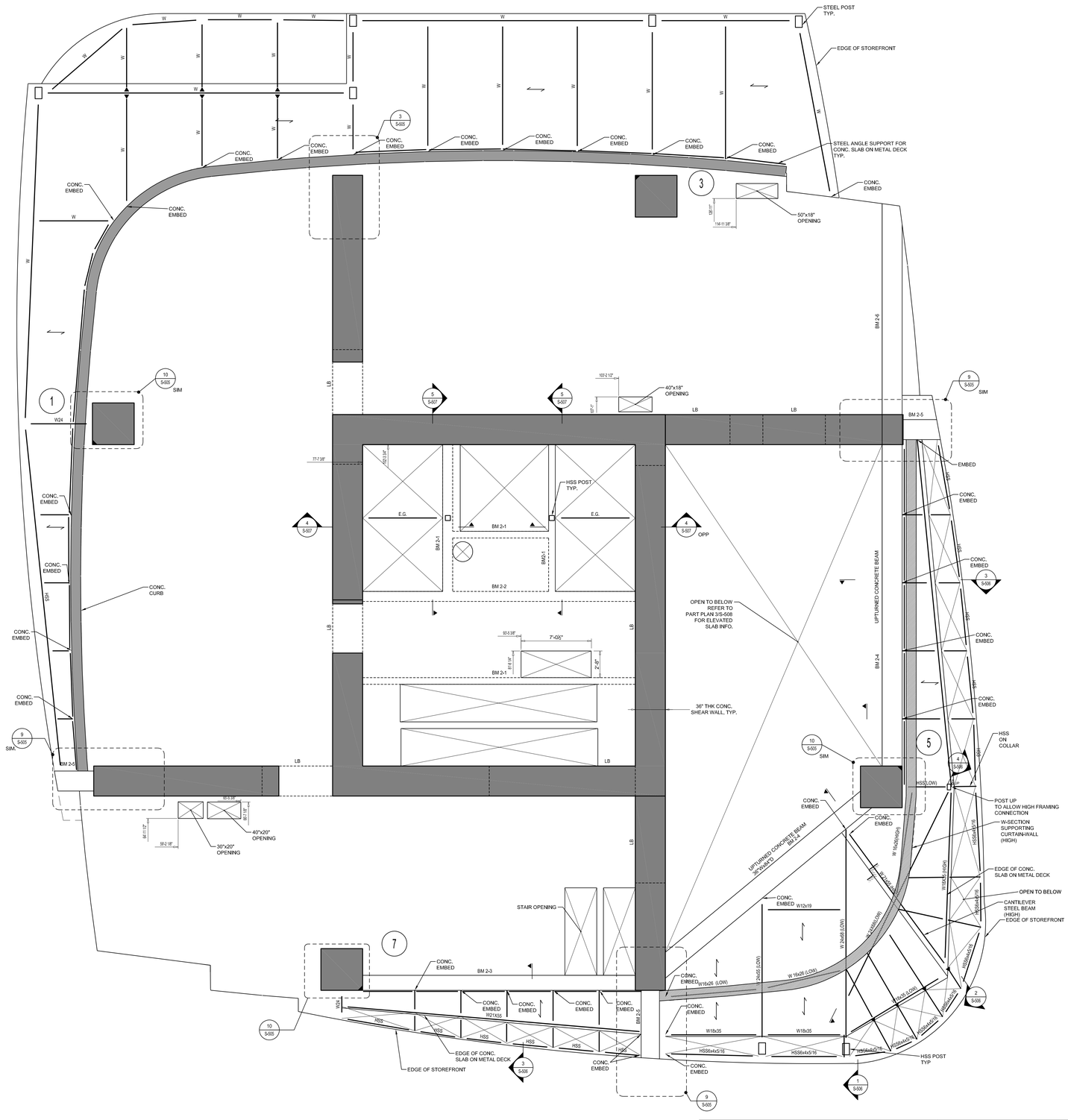
DWG TITLE:
GROUND FLOOR PLAN

SEAL & SIGNATURE:
STATE OF NEW YORK — STEPHEN Y. DESIMONE — 074933 — LICENSED PROFESSIONAL ENGINEER

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: AS NOTED
S-201.00
DWG NO.

T:\PROJECTS\14077-00\TECH\S201.DGN
OF

DEPT OF BLDGS 121323.00 Job Number
E340DASM101 Skidmore Code



2ND FLOOR PLAN

SCALE: 1/4" = 1'-0"

CONCRETE BEAM SCHEDULE

MARK	SIZE (W x H)	BOTTOM BARS	CONT. TOP BARS	STIRRUPS SIZE	STIRRUPS SPACING	REMARKS
BM2-1	8x24	2-#6	2-#6	2L #3	@ 12" O.C.	
BM2-2	12x24	3-#6	3-#6	2L #4	@ 12" O.C.	
BM2-3	12x36	6-#6 (2 ROWS)	6-#6 (2 ROWS)	2L #4	@12" O.C.	
BM2-4	36x84	10-#9 (2 ROWS)	10-#9 (2 ROWS)	4L #5	@12" O.C.	
BM 2-5	24X36	10-#8 (2 ROWS)	10-#8 (2 ROWS)	4L#4	@12" O.C.	
BM 2-6	36X48	10-#8 (2 ROWS)	10-#8 (2 ROWS)	4L#4	@12" O.C.	

LEGEND:

- DENOTES CONCRETE COLUMN/ WALL
- DENOTES CONCRETE COLUMN BELOW
- DENOTES SLAB OPENING
- UP — DENOTES CONCRETE COLUMN UP
- EG — DENOTES HSS6x4x$\frac{1}{4}$ ELEVATOR GUIDE BEAM.
- LB — DENOTES LINK BEAM- REFER TO SHEAR WALL PART PLANS.

TOP OF SLAB ELEVATION U.O.N.: EL. +29'-0"

SLAB THICKNESS U.O.N.: t = 12"

SLAB CONCRETE STRENGTH U.O.N.: f ' c = 10 KSI

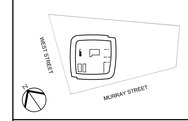
SLAB BASIC BOTTOM BARS U.O.N.: #8 @ 12" O.C. E.W.

SLAB TOP BARS (U.O.N.): #8 @ 12" O.C. E.W.

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" + NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS, FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/03/15	DOCUMENT ISSUE NO.7
	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

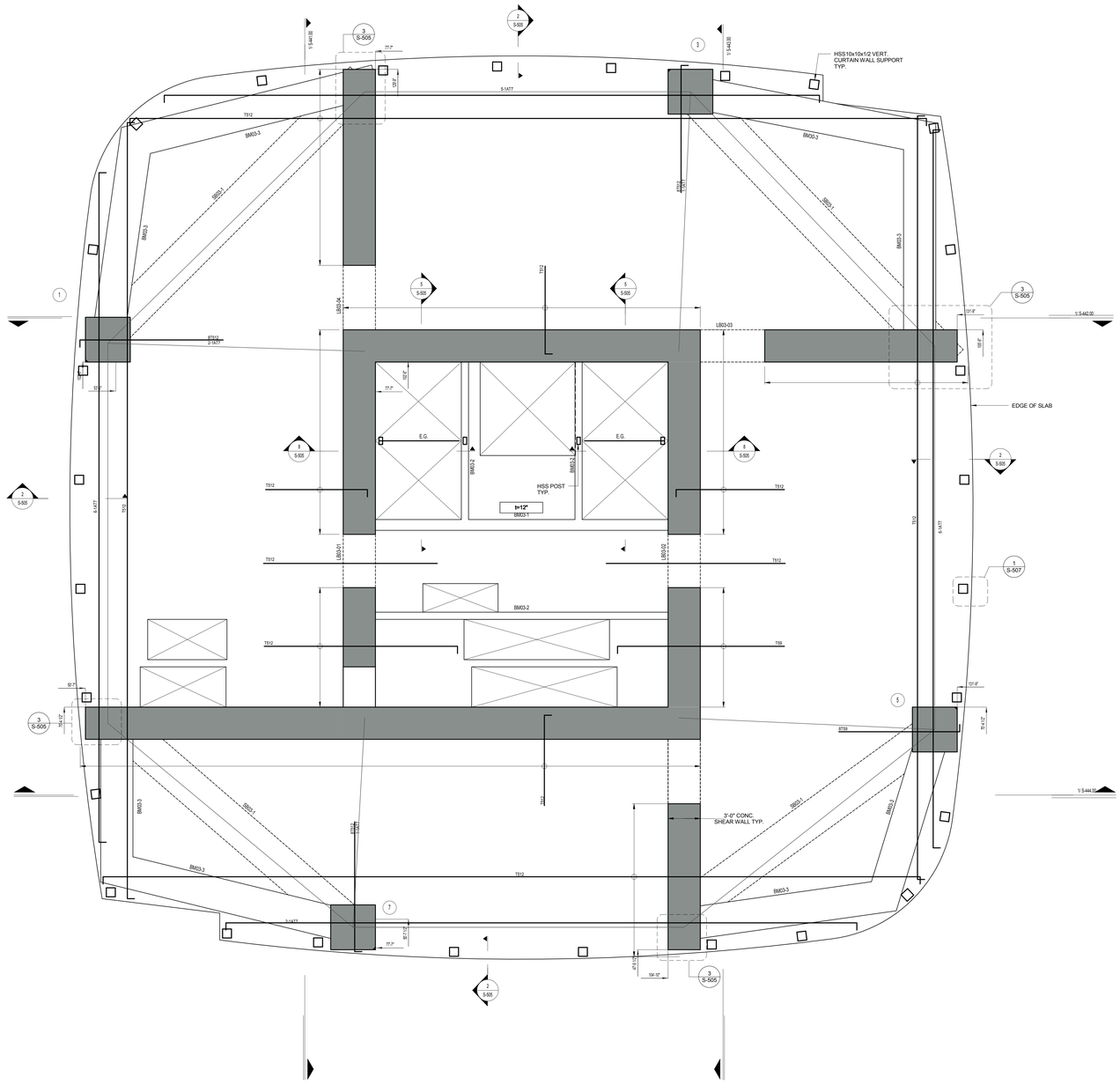
DWG TITLE:
2ND FLOOR PLAN

SEAL & SIGNATURE:
STATE OF NEW YORK — HENRY V. DESIMONE — 074935 — LICENSED PROFESSIONAL ENGINEER

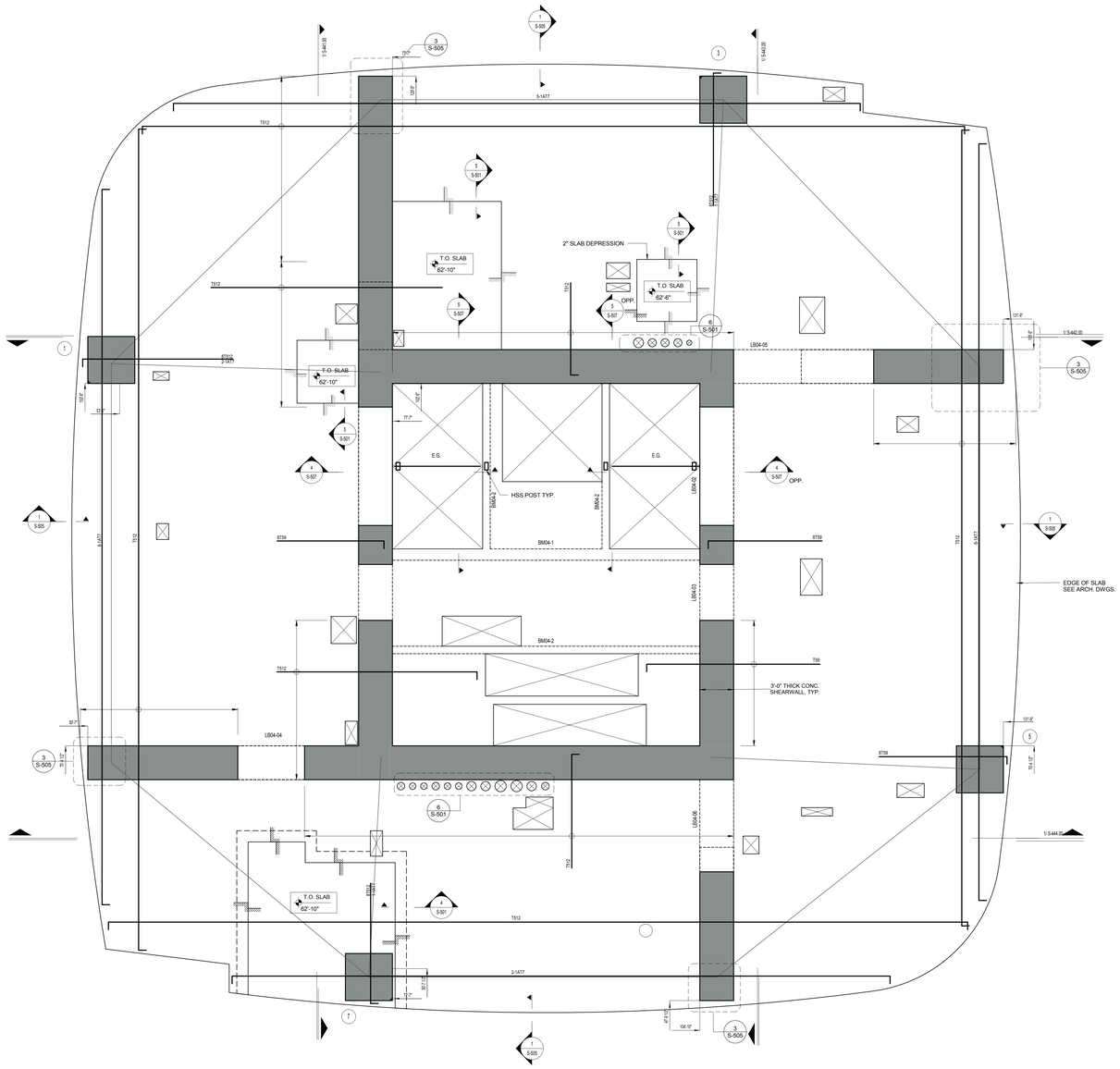
DATE: 09/15/14
PROJECT #: 14077.00
SCALE: AS NOTED
S-202.00
DWG.NO.

T:\PROJECTS\14077.00\REVIZED\S202.DWG
OF

DEPT OF BLDGS 421323.00 Job Number
E5065054345 Scan Code



DEPT OF BLDGS 421323.00 Job Number
E509557P023 Scan Code



4TH FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

CONCRETE BEAM SCHEDULE (4TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM04-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 04 T.O.S.
BM04-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 04 T.O.S.

LEGEND:

- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW.
- DENOTES SLAB OPENING
- ↑ UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: **EL. +63'-0"**

SLAB THICKNESS U.O.N.: **12"**

SLAB CONCRETE STRENGTH: **f'c=10KSI**

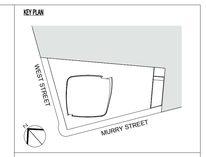
SLAB MIDDLE STRIP TOP BARS U.O.N.: **#5@12"O.C.**

SLAB BASIC BOTTOM BARS U.O.N.: **#5@9"O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR. DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Borough Commissioner
Manhattan Borough Office
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

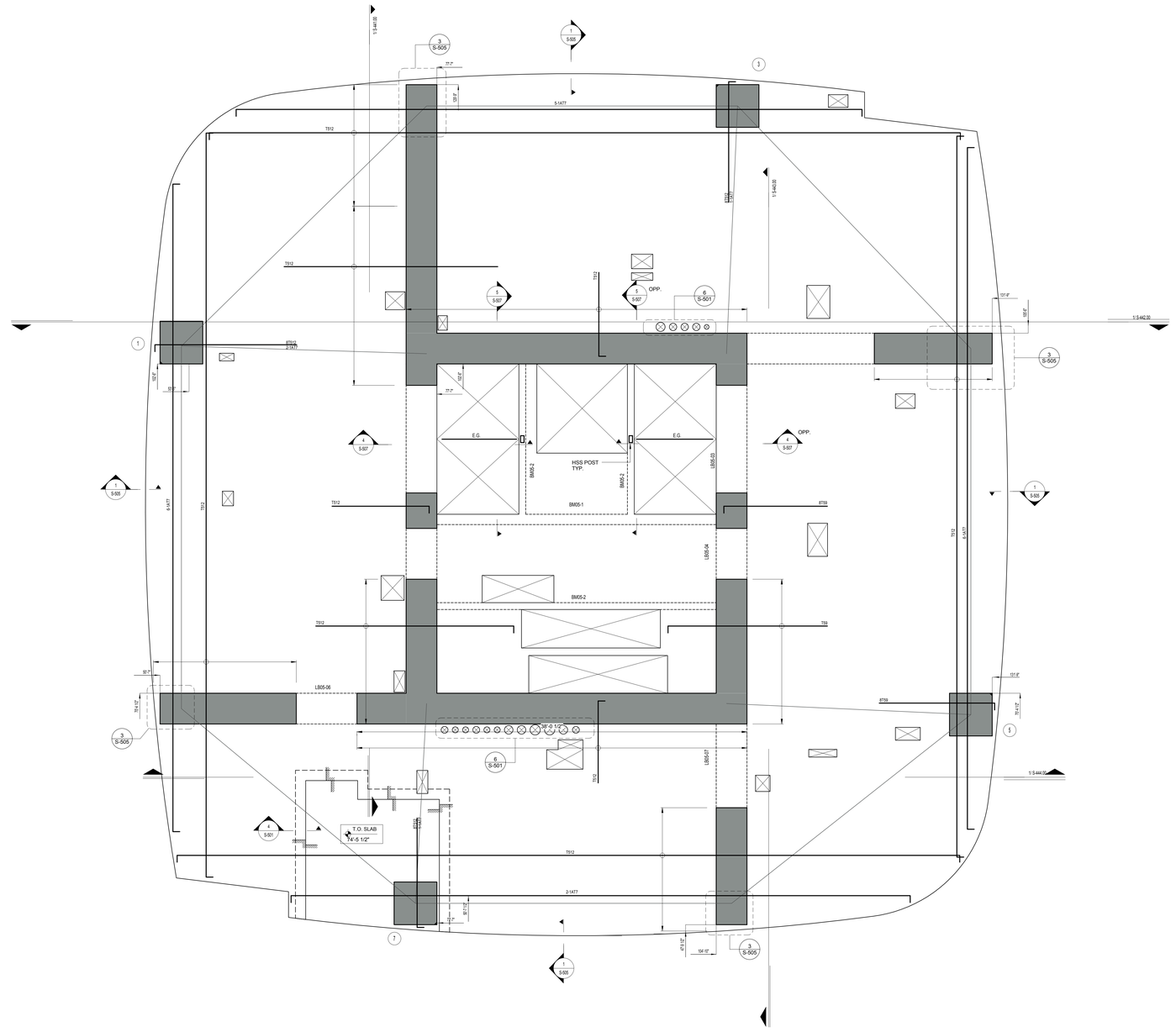
DWG TITLE:
4TH FLOOR PLAN

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated
DWG NO: S-204.00

STATE OF NEW YORK
Stephen V. Desimone
074933
LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 421323.00 Job Number
E-5XXGE98053 Scan Code



5TH FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

CONCRETE BEAM SCHEDULE (5TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM05-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 05 T.O.S.
BM05-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 05 T.O.S.

LEGEND:

- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- DENOTES CONCRETE COLUMN UP
- E.G. DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM

TOP OF SLAB ELEVATION U.O.N.: **EL. +72'-7 1/2"**

SLAB THICKNESS U.O.N.: **12"**

SLAB CONCRETE STRENGTH: **f'c=10KSI**

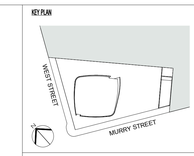
SLAB MIDDLE STRIP TOP BARS U.O.N.: **#5@12"O.C.**

SLAB BASIC BOTTOM BARS U.O.N.: **#5@9"O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR . DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 3 of 1975
Date: 05/20/2015
NYC Development Hub

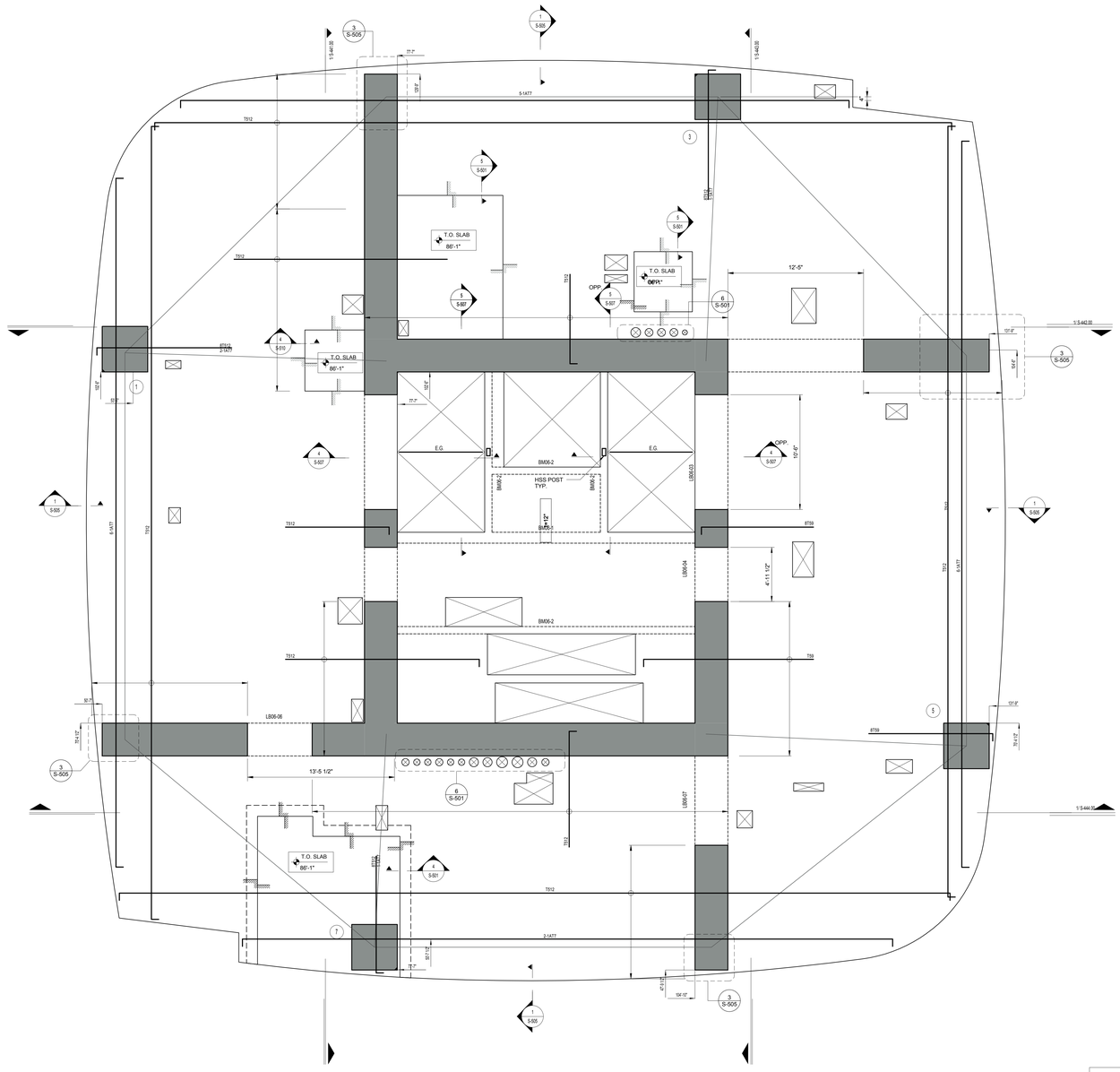
DWG TITLE:
5TH FLOOR PLAN

SEAL & SIGNATURE:

STATE OF NEW YORK
Charles V. Desimone
074853
Licensed Professional Engineer

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	As indicated
DWG NO:	S-205.00

DEPT OF BLDGS 121323.00 Job Number
B3A2009525007 Scan Code



NORTH

6TH THRU 11TH FLOOR PLANS

SCALE: 1/4" = 1'-0"

ELEVATION TABLE 6TH THRU 11TH FLOORS

LEVEL	ELEVATION
LEVEL 06 T.O.S.	86'-3"
LEVEL 07 T.O.S.	97'-10 1/2"
LEVEL 08 T.O.S.	109'-6"
LEVEL 09 T.O.S.	121'-1 1/2"
LEVEL 10 T.O.S.	132'-9"
LEVEL 11 T.O.S.	144'-4 1/2"

CONCRETE BEAM SCHEDULE (6TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM06-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 06 T.O.S.
BM06-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 06 T.O.S.

LEGEND:

- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW.
- DENOTES SLAB OPENING
- UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: **VARIES; SEE TABLE**

SLAB THICKNESS U.O.N.: **12"**

SLAB CONCRETE STRENGTH: **f'c=10KSI**

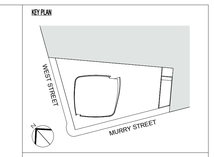
SLAB MIDDLE STRIP TOP BARS U.O.N.: **#5@12"O.C.**

SLAB BASIC BOTTOM BARS U.O.N.: **#5@9"O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Borough Commissioner
Manhattan Borough Office
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

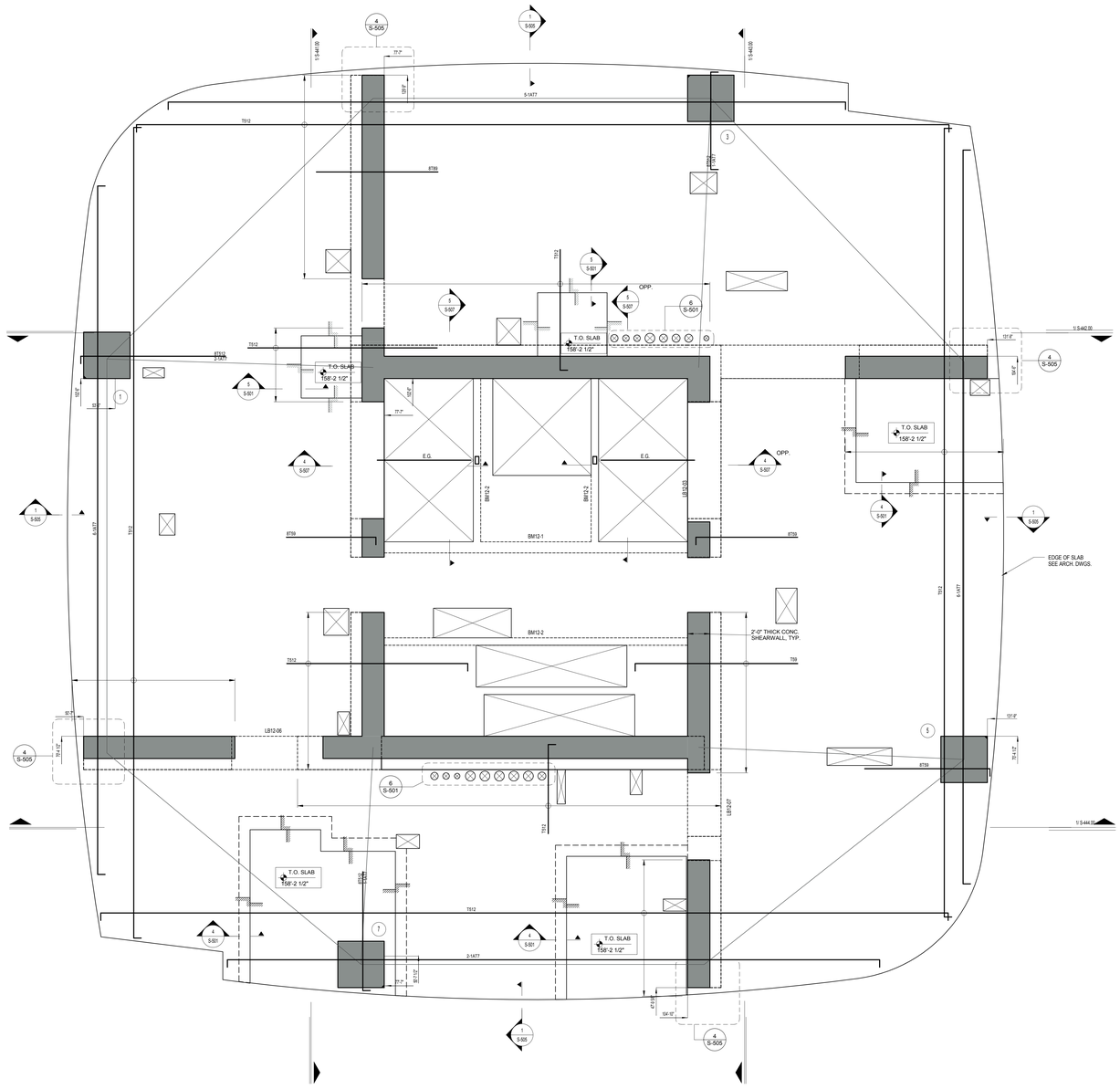
DWG TITLE:
6TH THRU 11TH FLOOR PLANS

SEAL & SIGNATURE:

DATE: 02/13/15
PROJECT #: 14077.00
SCALE: As indicated
DWG NO: S-206.00

STATE OF NEW YORK
James V. Desimone
074933
LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 421323.00 Job Number
E3413566606 Scan Code



NORTH

12TH FLOOR PLAN

SCALE: 1/4" = 1'-0"

CONCRETE BEAM SCHEDULE (12TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM12-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 12 T.O.S.
BM12-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 12 T.O.S.

LEGEND:

- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- DENOTES CONCRETE COLUMN UP
- E.G. DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: **EL. +158'-4 1/2"**

SLAB THICKNESS U.O.N.: **12"**

SLAB CONCRETE STRENGTH: **f'c=10KSI**

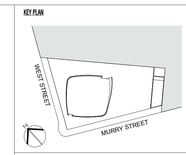
SLAB MIDDLE STRIP TOP BARS U.O.N.: **#5@12"O.C.**

SLAB BASIC BOTTOM BARS U.O.N.: **#5@9"O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR. DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7
	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

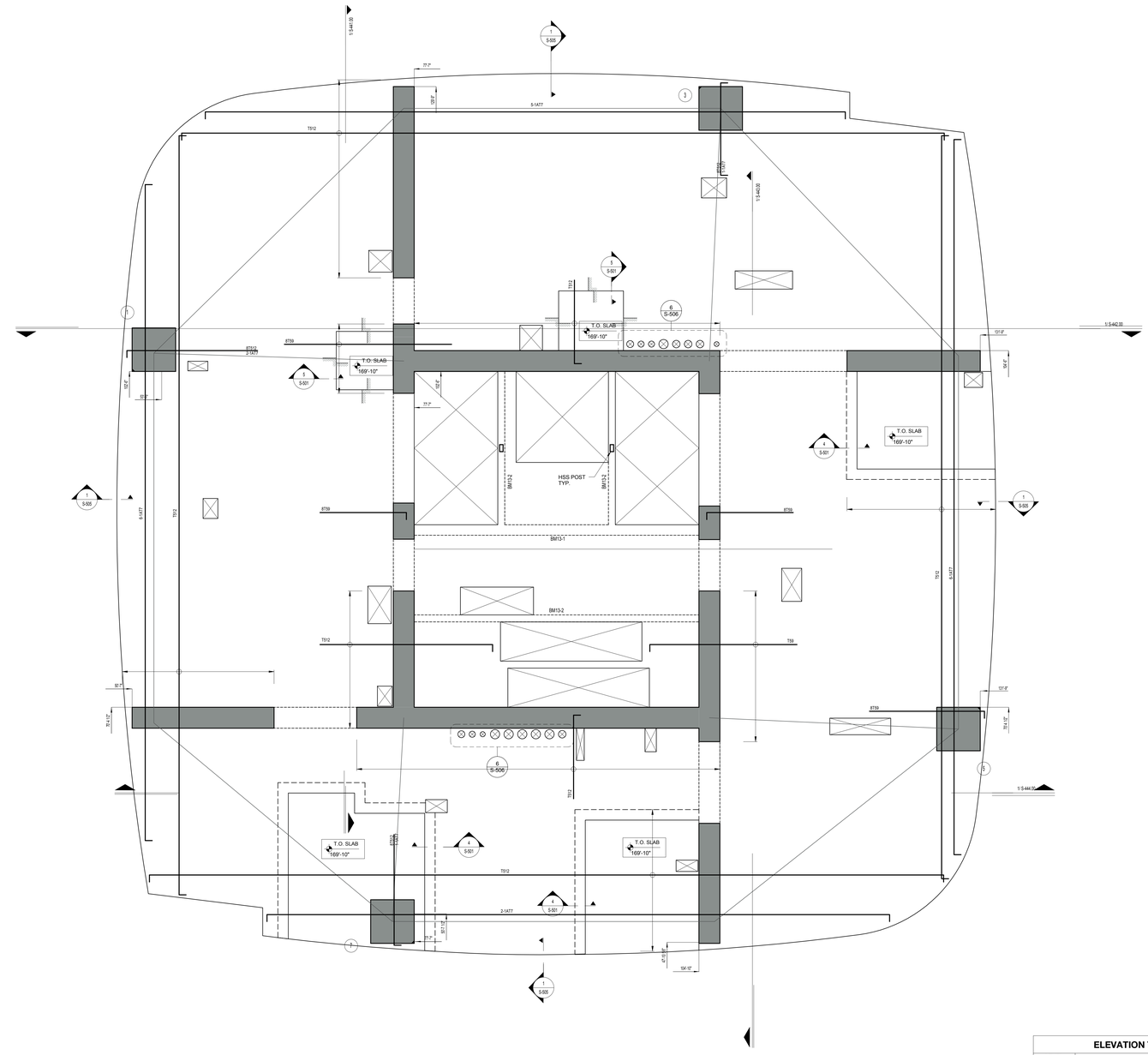
DWG TITLE:
12TH FLOOR PLAN

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated
DWG NO: S-212.00

STATE OF NEW YORK
James V. Desimone
074933
LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 421323.00 Job Number
E3906780067/05 Scan Code



13TH THRU 19TH FLOOR PLANS

SCALE: 1/4" = 1'-0"

NORTH

ELEVATION TABLE 13TH THRU 19TH FLOORS

LEVEL	ELEVATION
LEVEL 13 T.O.S.	170'-0"
LEVEL 14 T.O.S.	181'-7 1/2"
LEVEL 15 T.O.S.	193'-3"
LEVEL 16 T.O.S.	204'-10 1/2"
LEVEL 17 T.O.S.	216'-6"
LEVEL 18 T.O.S.	228'-1 1/2"
LEVEL 19 T.O.S.	239'-9"

CONCRETE BEAM SCHEDULE (13TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS
BM13-1	12x24	3#6	3#6	#3@10" (2L)	
BM13-2	8x24	2#6	2#6	#3@10" (2L)	

LEGEND:

- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- DENOTES CONCRETE COLUMN UP
- E.G. DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM

TOP OF SLAB ELEVATION U.O.N.: **VARIES; SEE TABLE**

SLAB THICKNESS U.O.N.: **12"**

SLAB CONCRETE STRENGTH: **f'c=10KSI**

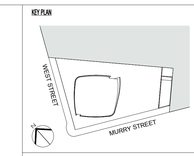
SLAB MIDDLE STRIP TOP BARS U.O.N.: **#5@12"O.C.**

SLAB BASIC BOTTOM BARS U.O.N.: **#5@9"O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" + NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR . DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 3 of 1975
Date: 05/20/2015
NYC Development Hub

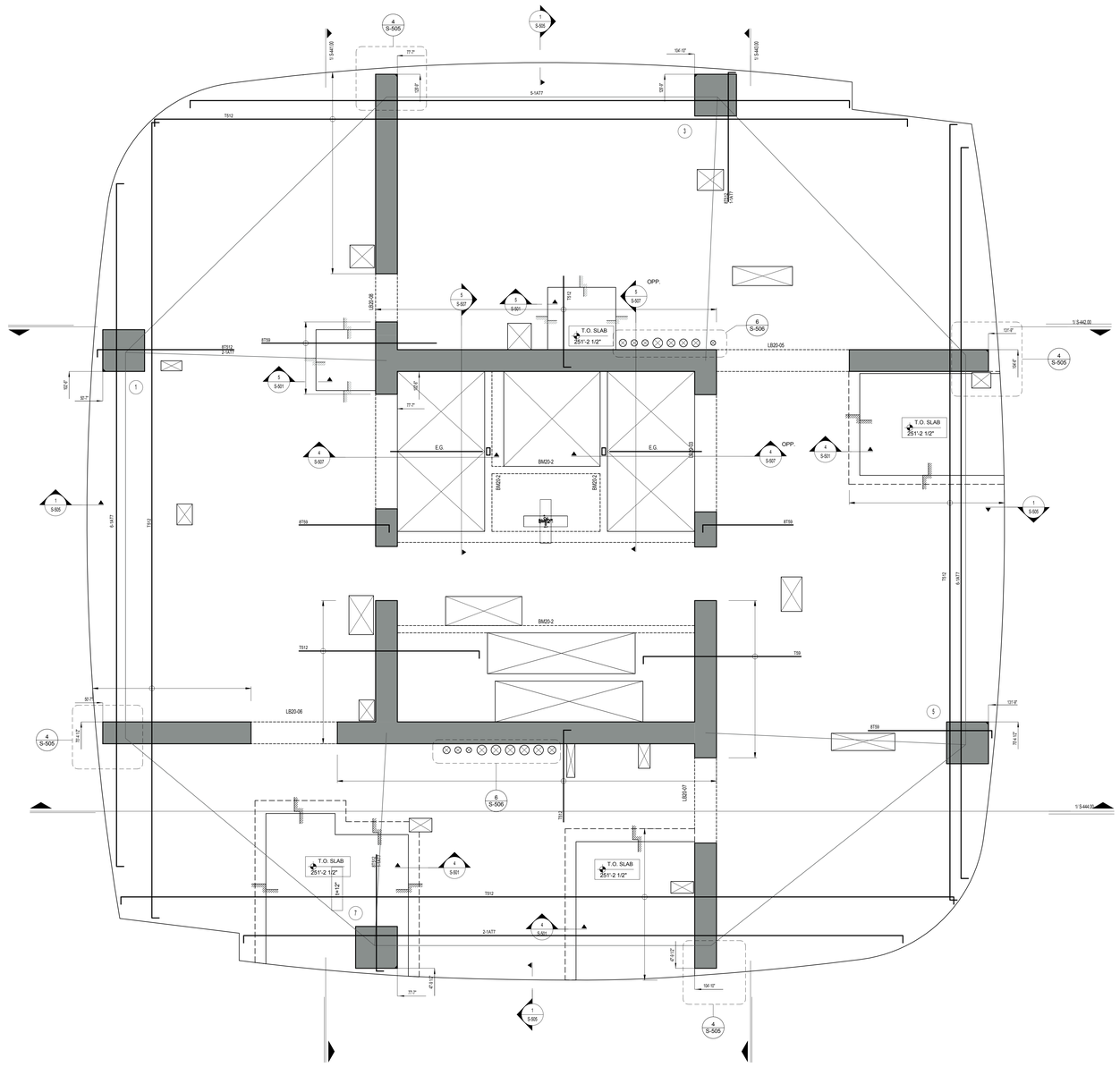
DWG TITLE:
13TH THRU 19TH FLOOR PLANS

SEAL & SIGNATURE:

STATE OF NEW YORK
Steven V. Desimone
074853
LICENSED PROFESSIONAL ENGINEER

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	As indicated
DWG NO:	S-213.00

DEPT OF BLDGS 421323.00 Job Number
ES3.NY195460 Scan Code



NORTH

20TH FLOOR PLAN

SCALE: 1/4" = 1'-0"

CONCRETE BEAM SCHEDULE (20TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM20-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 20 T.O.S.
BM20-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 20 T.O.S.

LEGEND:

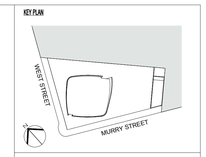
- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW.
- DENOTES SLAB OPENING
- UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.:	EL. +251'-4 1/2"
SLAB THICKNESS U.O.N.:	12"
SLAB CONCRETE STRENGTH:	f'c=10KSI
SLAB MIDDLE STRIP TOP BARS U.O.N.:	#5@12"O.C.
SLAB BASIC BOTTOM BARS U.O.N.:	#5@9"O.C. E.W.

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR. DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9320 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

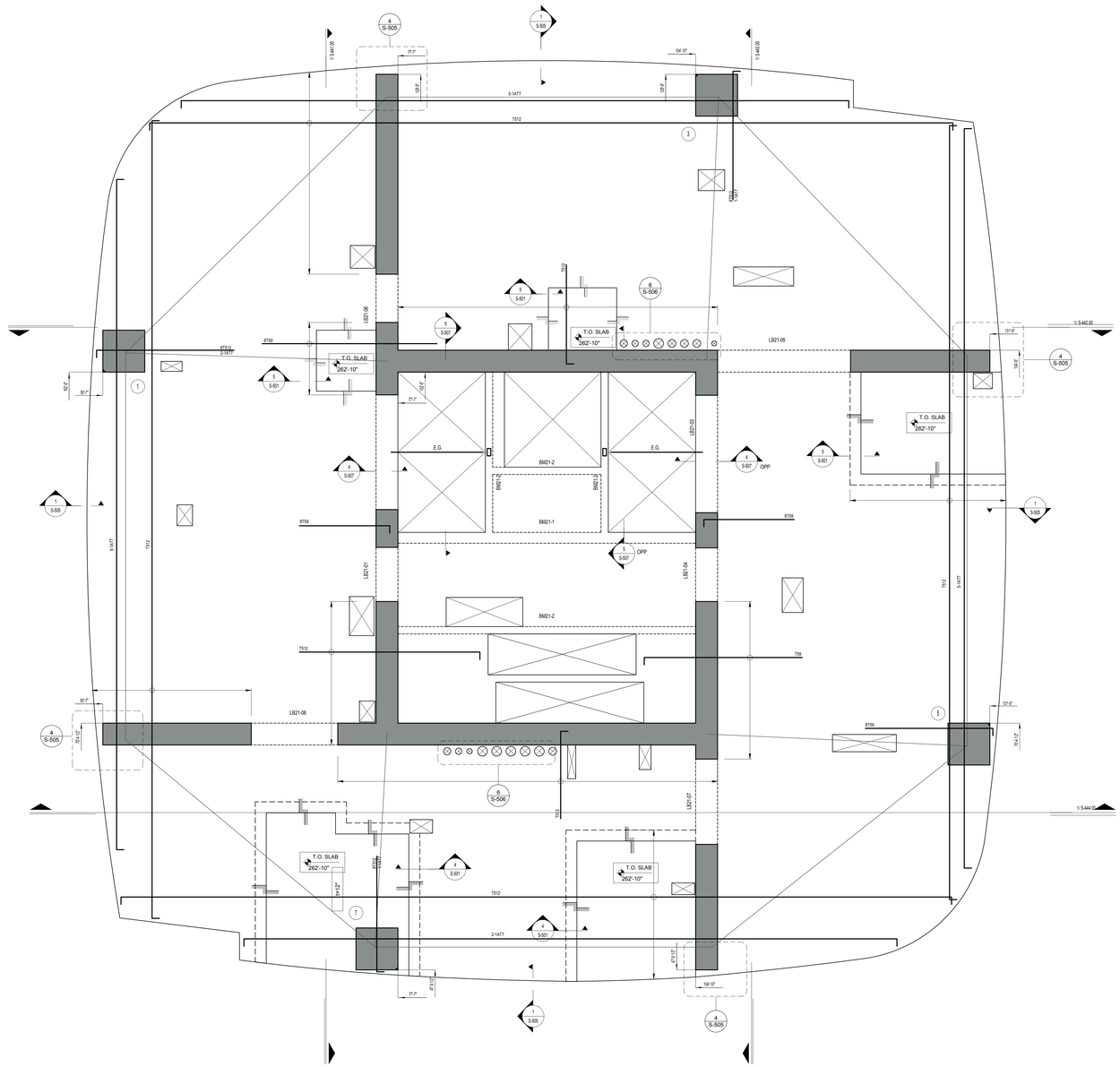
DWG TITLE:
20TH FLOOR PLAN

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated
DWG NO: S-220.00

STATE OF NEW YORK
Stephen V. Desiderio
074933
LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 121323.00 Job Number
B5105029953 Scan Code



NORTH

21ST THRU 26TH FLOOR PLANS

SCALE: 1/4" = 1'-0"

ELEVATION TABLE 21ST THRU 26TH FLOORS

LEVEL	ELEVATION
LEVEL 21 T.O.S.	263'-0"
LEVEL 22 T.O.S.	274'-7 1/2"
LEVEL 23 T.O.S.	286'-3"
LEVEL 24 T.O.S.	297'-10 1/2"
LEVEL 25 T.O.S.	309'-6"
LEVEL 26 T.O.S.	321'-1 1/2"

CONCRETE BEAM SCHEDULE (21ST FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM21-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 21 T.O.S.
BM21-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 21 T.O.S.

LEGEND:

- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- ↑ UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: **VARIES; SEE TABLE**

SLAB THICKNESS U.O.N.: **12"**

SLAB CONCRETE STRENGTH: **f'c=10KSI**

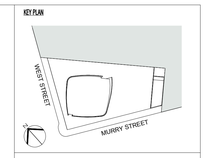
SLAB MIDDLE STRIP TOP BARS U.O.N.: **#5@12"O.C.**

SLAB BASIC BOTTOM BARS U.O.N.: **#5@9"O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR. DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POST/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE

OWNER
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9000 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/22/2015
NYC Development Hub

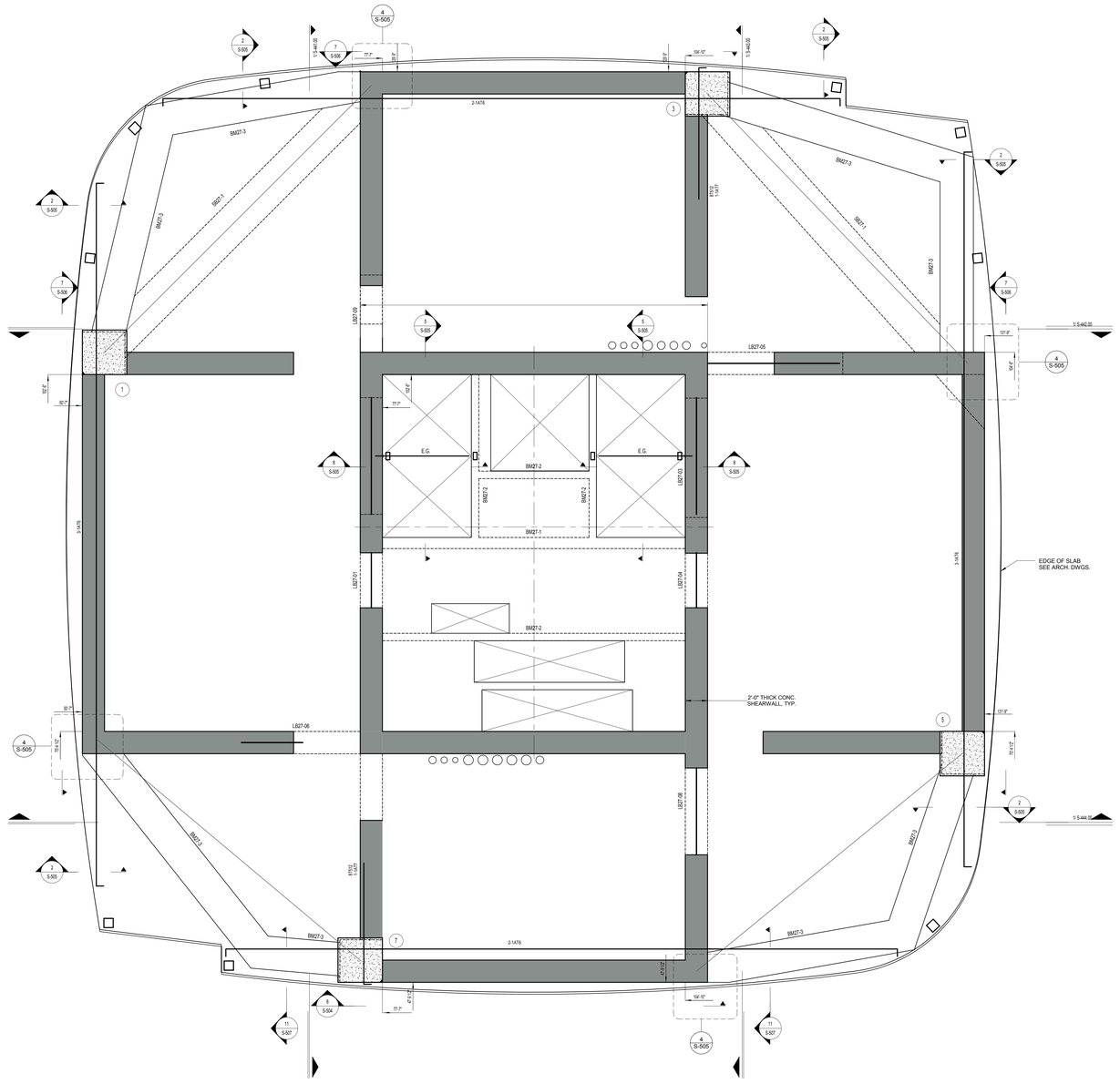
DWG TITLE:
21ST THRU 26TH FLOOR PLANS

SEAL & SIGNATURE:

STATE OF NEW YORK — Stephen V. Desimone — 074933 — LICENSED PROFESSIONAL ENGINEER

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	As indicated
DWG NO:	S-221.00

DEPT OF BLDGS 421323.00 Job Number
B3530050050 Scan Code



27TH FLOOR PLAN (MECHANICAL)

SCALE: 1/4" = 1'-0"

NORTH

CONCRETE BEAM SCHEDULE (27TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS
BM27-1	12x24	3#6	3#6	#3@10" (2L)	
BM27-2	8x24	2#6	2#6	#3@10" (2L)	
BM27-3	36x36	10#8	4#8	#3@12 (2L)	
SB27-1	40x12	3#8	3#8		

LEGEND:

- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- ↑ UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: **EL. +334'-9"**

SLAB THICKNESS U.O.N.: **12"**

SLAB CONCRETE STRENGTH: **f'c=10KSI**

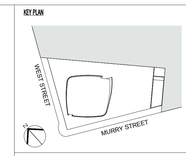
SLAB MIDDLE STRIP TOP BARS U.O.N.: **#8@12"O.C. E.W. (TOP MAT)**

SLAB BASIC BOTTOM BARS U.O.N.: **#8@12"O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR. DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7
	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Borough Commissioner
Manhattan Borough Office
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

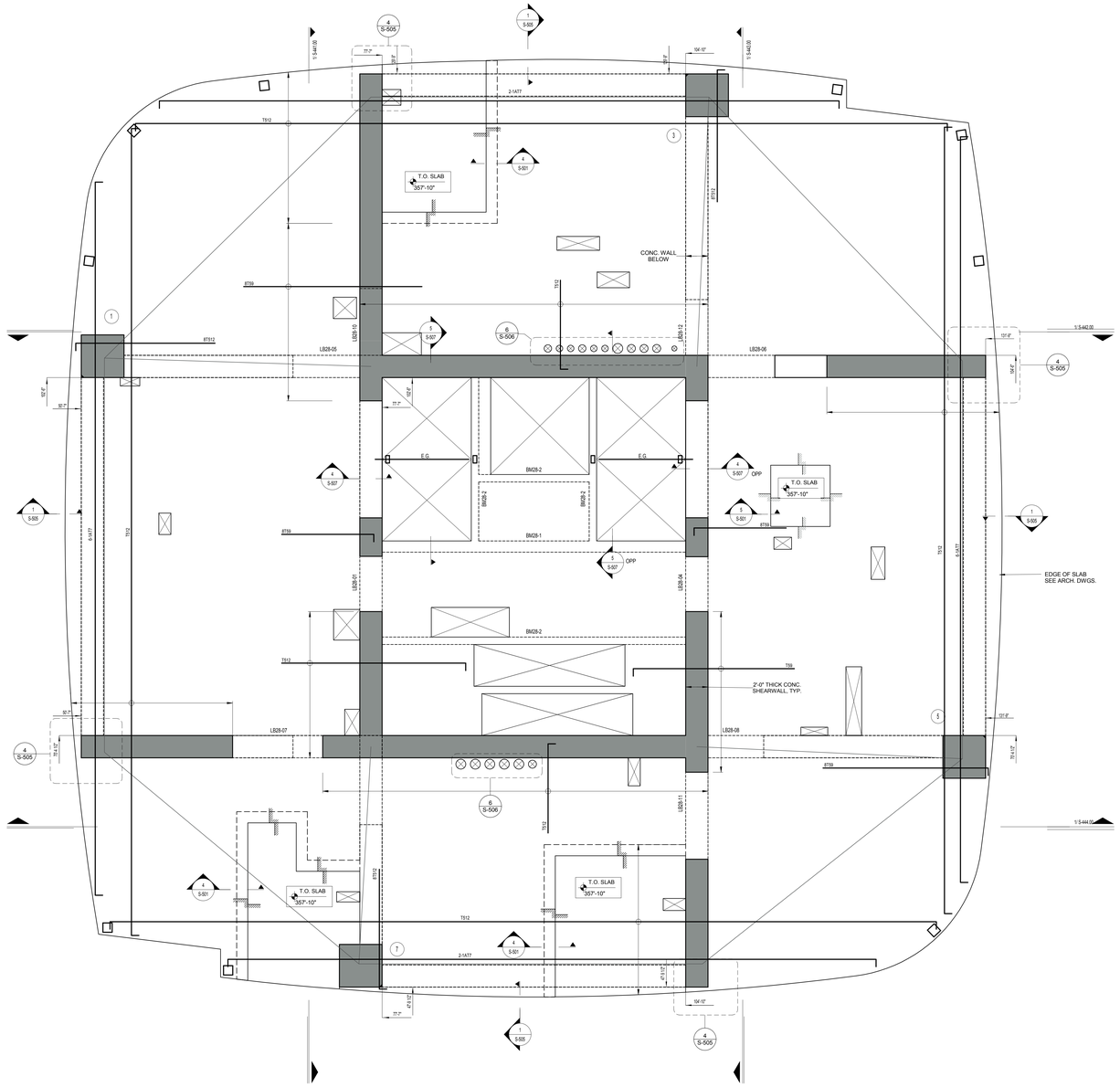
DWG TITLE:
27TH FLOOR PLAN (MECHANICAL)

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated
S-227.00
DWG NO.

STATE OF NEW YORK
Thomas V. Desiderio
074933
LICENSED PROFESSIONAL ENGINEER
18 Dec 14

DEPT OF BLDGS 421323.00 Job Number
E5513290676 Scan Code



28TH FLOOR PLAN

SCALE: 1/4" = 1'-0"

CONCRETE BEAM SCHEDULE (28TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM28-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 28 T.O.S.
BM28-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 28 T.O.S.

LEGEND:

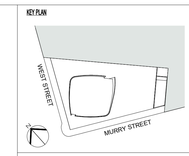
- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- ↑ UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.:	EL. +358'-0"
SLAB THICKNESS U.O.N.:	12"
SLAB CONCRETE STRENGTH:	f'c=10KSI
SLAB MIDDLE STRIP TOP BARS U.O.N.:	#5@12"O.C.
SLAB BASIC BOTTOM BARS U.O.N.:	#5@9"O.C. E.W.

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR. DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Borough Commissioner
Manhattan Borough Office
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
28TH FLOOR PLAN

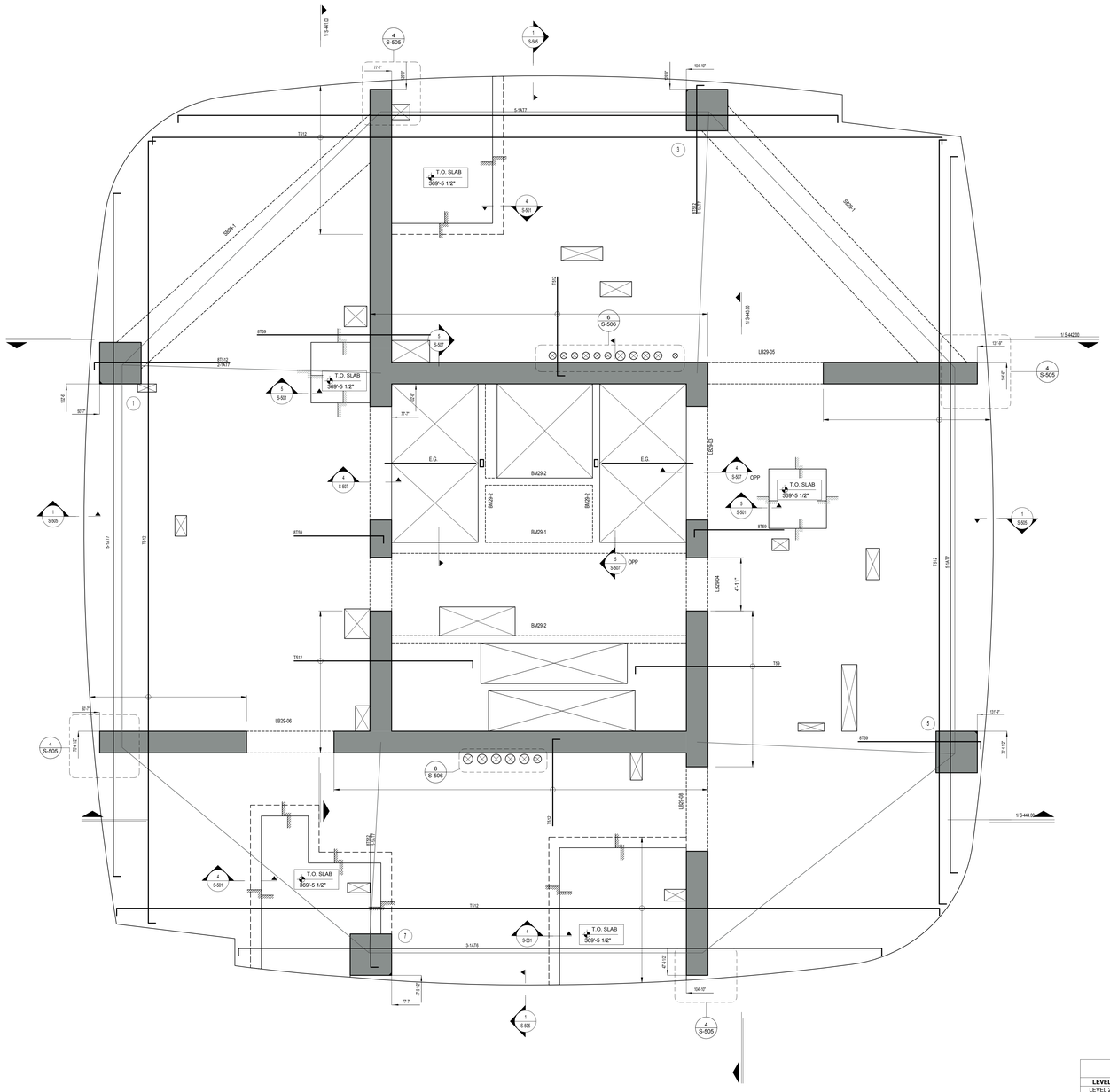
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated
DWG NO: S-228.00

STATE OF NEW YORK
James V. Desimone
074933
LICENSED PROFESSIONAL ENGINEER
18 Dec 15

DEPT OF BLDGS 121323.00 Job Number

ES467.221445 Scan Code



29TH THRU 35TH FLOOR PLANS

SCALE: 1/4" = 1'-0"

ELEVATION TABLE 29TH THRU 35TH FLOORS

LEVEL	ELEVATION
LEVEL 29 T.O.S.	369'-7 1/2"
LEVEL 30 T.O.S.	381'-3"
LEVEL 31 T.O.S.	392'-10 1/2"
LEVEL 32 T.O.S.	404'-6"
LEVEL 33 T.O.S.	416'-1 1/2"
LEVEL 34 T.O.S.	427'-9"
LEVEL 35 T.O.S.	439'-4 1/2"

CONCRETE BEAM SCHEDULE (29TH-35TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM29-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 29 T.O.S.
BM29-2	8x24	2#6		#3@10" (2L)		LEVEL 29 T.O.S.
SB29-1	40x12	3#8	3#8			LEVEL 29 T.O.S.

LEGEND:

- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW.
- DENOTES SLAB OPENING
- ↑ UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: **VARIES; SEE TABLE**

SLAB THICKNESS U.O.N.: **12"**

SLAB CONCRETE STRENGTH: **f'c=10KSI**

SLAB MIDDLE STRIP TOP BARS U.O.N.: **#5@12"O.C.**

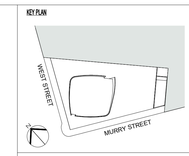
SLAB BASIC BOTTOM BARS U.O.N.: **#5@9"O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

Concrete Notes
1/8" = 1'-0"

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Borough Commissioner
Manhattan Borough Office
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

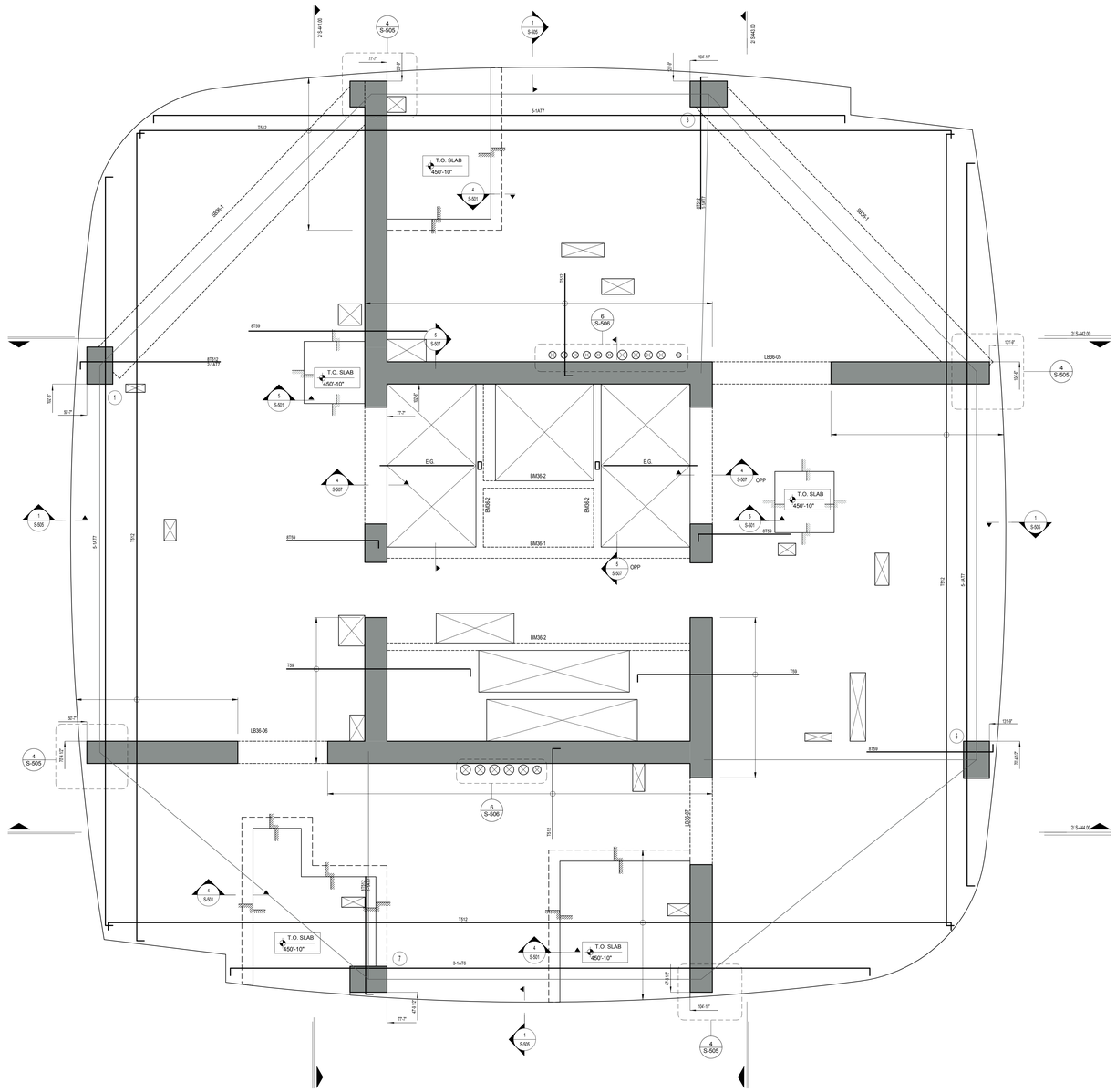
DWG TITLE:
29TH THRU 35TH FLOOR PLANS

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated
DWG NO: S-229.00

STATE OF NEW YORK
Stephen V. Desimone
074933
LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 421323.00 Job Number
ES2478529D Scan Code



36TH FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

CONCRETE BEAM SCHEDULE (36TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM36-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 36 T.O.S.
BM36-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 36 T.O.S.
SB36-1	40x12	3#8	3#8			LEVEL 36 T.O.S.

LEGEND:

- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- ↑ UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: **EL. +451'-0"**

SLAB THICKNESS U.O.N.: **12"**

SLAB CONCRETE STRENGTH: **f'c=10KSI**

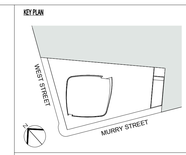
SLAB MIDDLE STRIP TOP BARS U.O.N.: **#5@12"O.C.**

SLAB BASIC BOTTOM BARS U.O.N.: **#5@9"O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR. DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POST SEMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9000 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

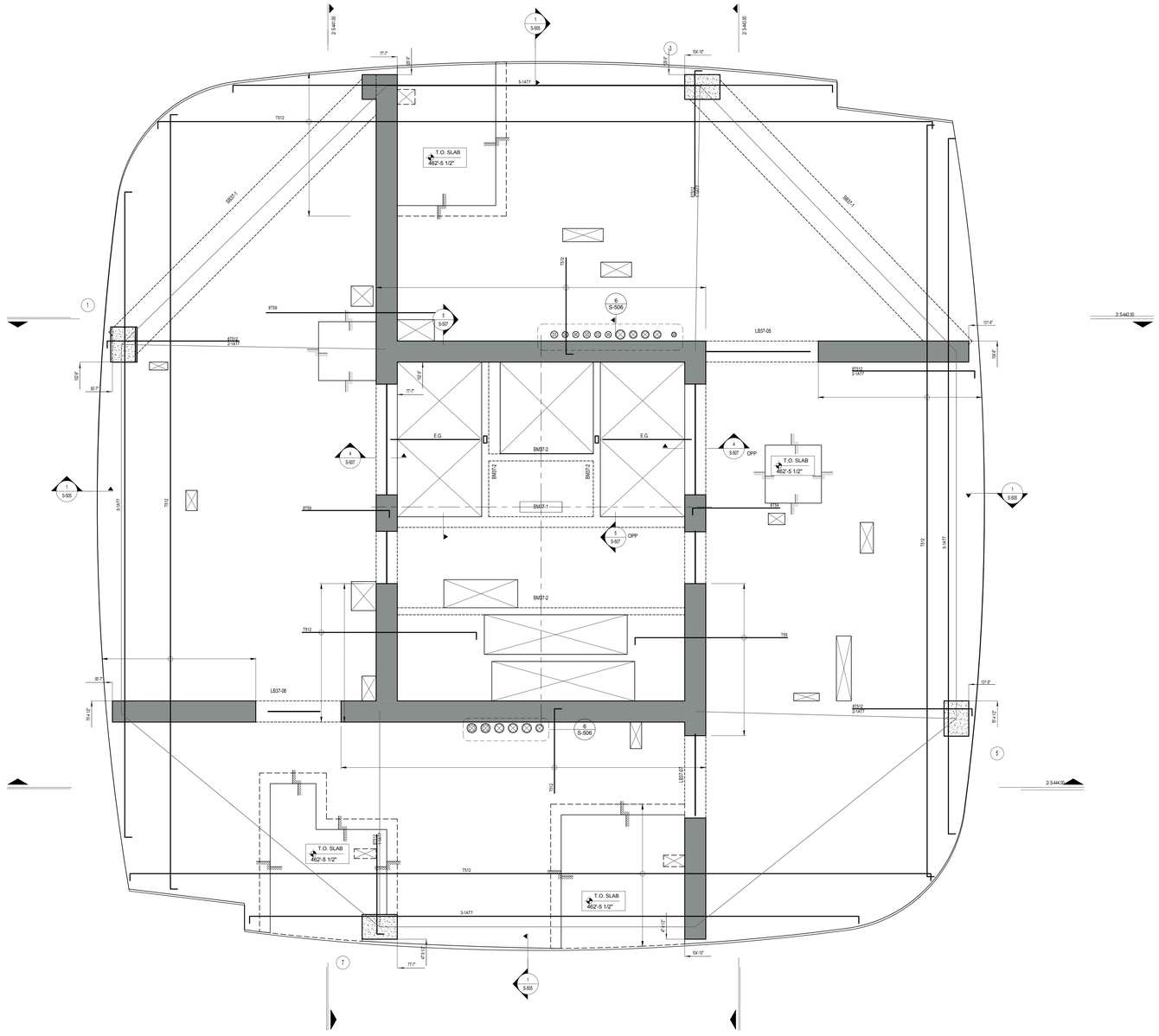
DWG TITLE:
36TH FLOOR PLAN

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated
DWG NO: S-236.00

STATE OF NEW YORK
Stephen V. Desimone
074933
LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 421323.00 Job Number
B3755622972 Scan Code



37TH THRU 38TH FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

ELEVATION TABLE 37TH THRU 38TH FLOORS

LEVEL	ELEVATION
LEVEL 37 T.O.S.	462'-7 1/2"
LEVEL 38 T.O.S.	474'-3"

CONCRETE BEAM SCHEDULE (37TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM37-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 37 T.O.S.
BM37-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 37 T.O.S.
SB37-1	40x12	3#8	3#8			LEVEL 37 T.O.S.

LEGEND:

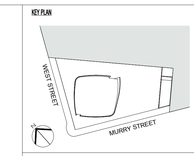
- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- DENOTES CONCRETE COLUMN UP
- E.G. DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM

TOP OF SLAB ELEVATION U.O.N.:	VARIES; SEE TABLE"
SLAB THICKNESS U.O.N.:	12"
SLAB CONCRETE STRENGTH:	f'c=10KSI
SLAB MIDDLE STRIP TOP BARS U.O.N.:	#5@12"O.C.
SLAB BASIC BOTTOM BARS U.O.N.:	#5@9"O.C. E.W.

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR . DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7
	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 3 of 1975
Date: 05/20/2015
NYC Development Hub

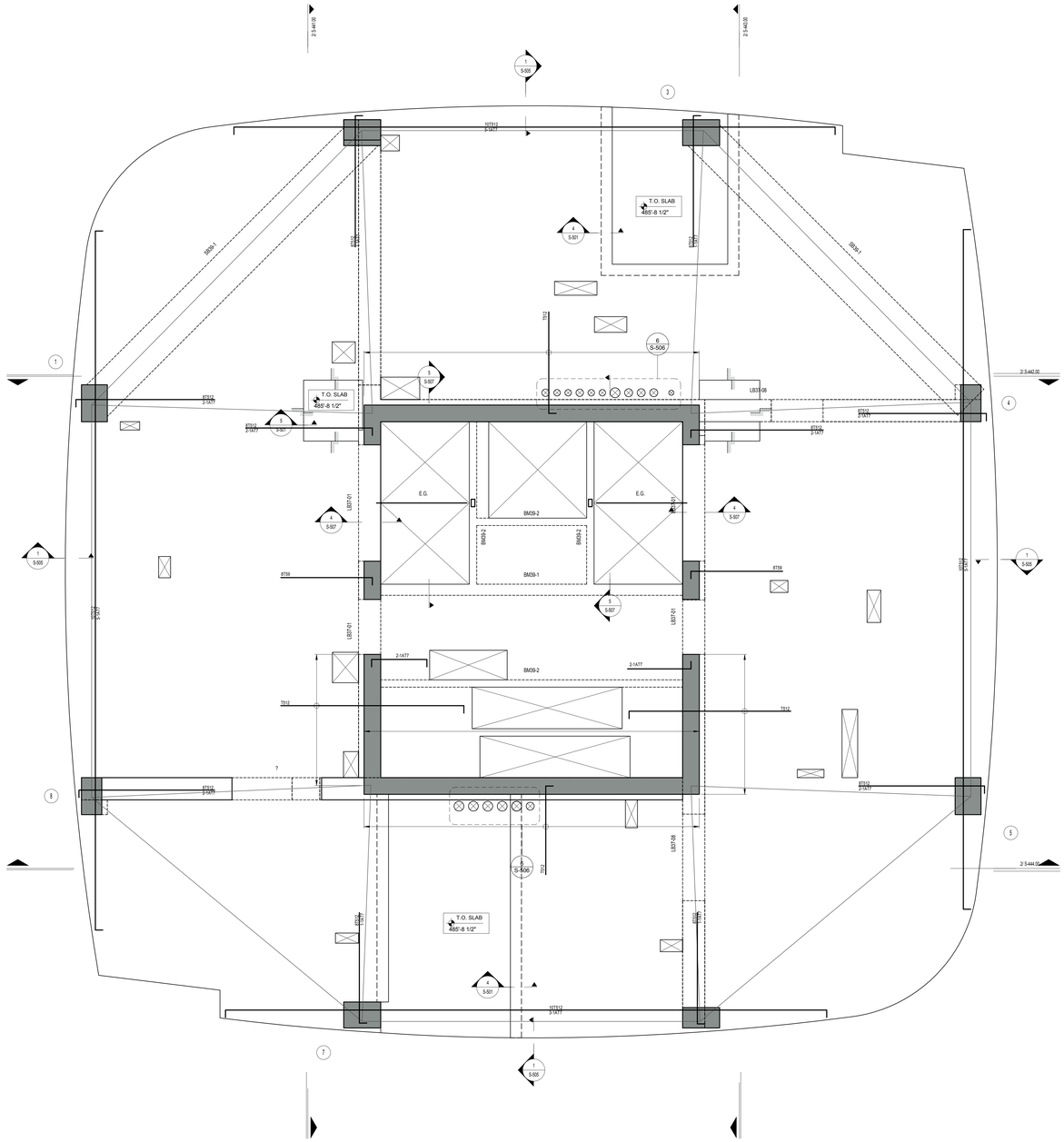
DWG TITLE:
37TH THRU 38TH FLOOR PLAN

SEAL & SIGNATURE:

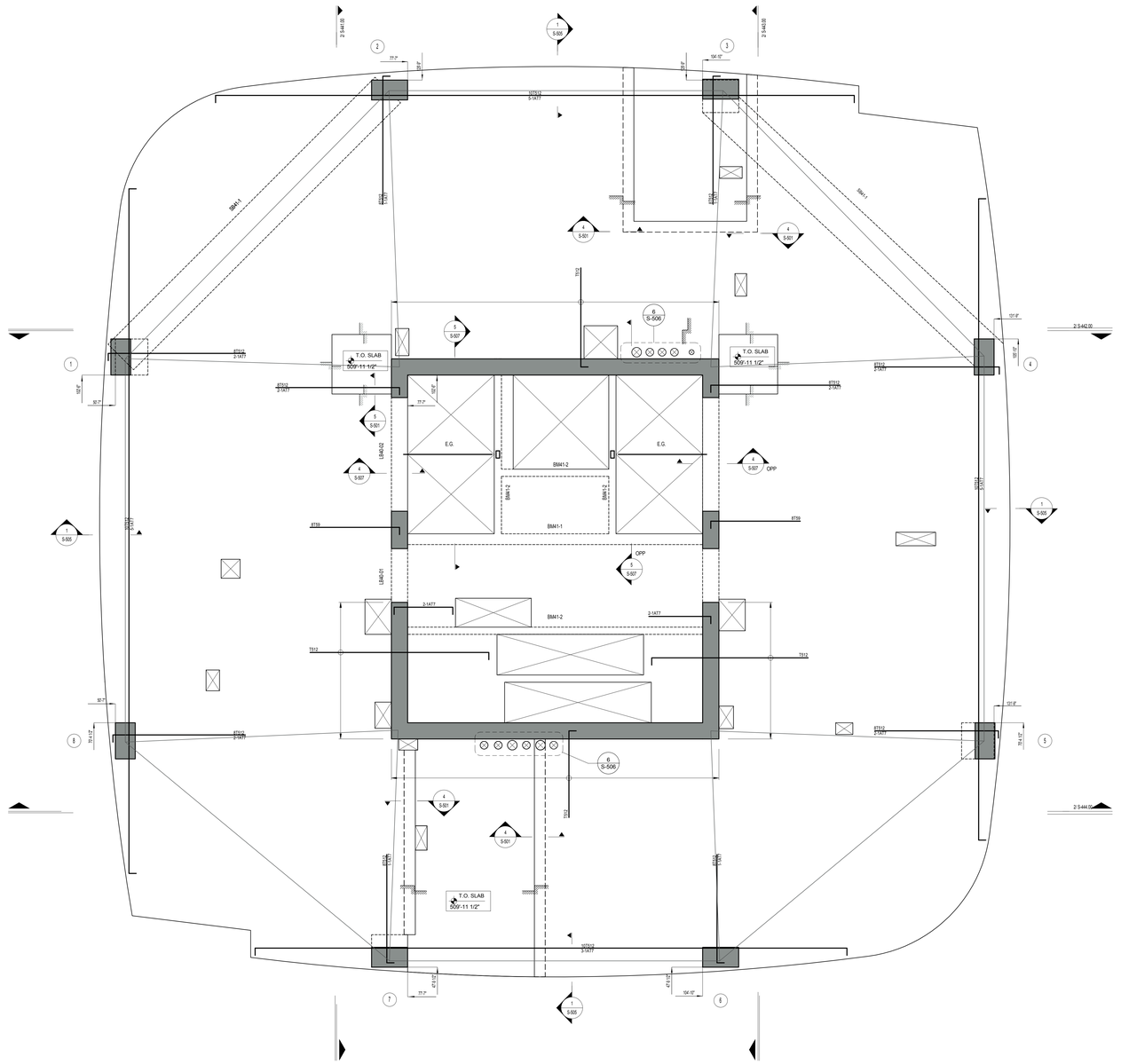
DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	As indicated
DWG NO:	S-237.00

STATE OF NEW YORK
Stephen V. Desimone
074853
LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 421323.00 Job Number
ES7604A00089 Scan Code


T.O. SLAB
485'-8 1/2"
T.O. SLAB
485'-8 1/2"
T.O. SLAB
485'-8 1/2"
E.G.
E.G.
BM39-2
BM39-1
SB39-1
SB39-1
LB37-01
LB37-01
LB37-08
LB37-08
LB33-08
T812
T812
T812

DEPT OF BLDGS 421323.00 Job Number
B1509010A083 Scan Code



NORTH

40TH THRU 43RD FLOOR PLANS

SCALE: 1/4" = 1'-0"

ELEVATION TABLE 41ST THRU 43RD FLOORS

LEVEL	ELEVATION
LEVEL 41 T.O.S.	510'-1 1/2"
LEVEL 42 T.O.S.	521'-9"
LEVEL 43 T.O.S.	533'-4 1/2"

CONCRETE BEAM SCHEDULE (40TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM40-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 40 T.O.S.
BM40-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 40 T.O.S.
SB40-1	40x12	3#8	3#8			LEVEL 40 T.O.S.

LEGEND:

- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: **VARIES; SEE TABLE**

SLAB THICKNESS U.O.N.: **12"**

SLAB CONCRETE STRENGTH: **f'c=10KSI**

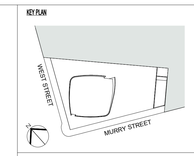
SLAB MIDDLE STRIP TOP BARS U.O.N.: **#5@12"O.C.**

SLAB BASIC BOTTOM BARS U.O.N.: **#5@12"O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x "NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR . DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 673.0920 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
40TH THRU 43RD FLOOR PLANS

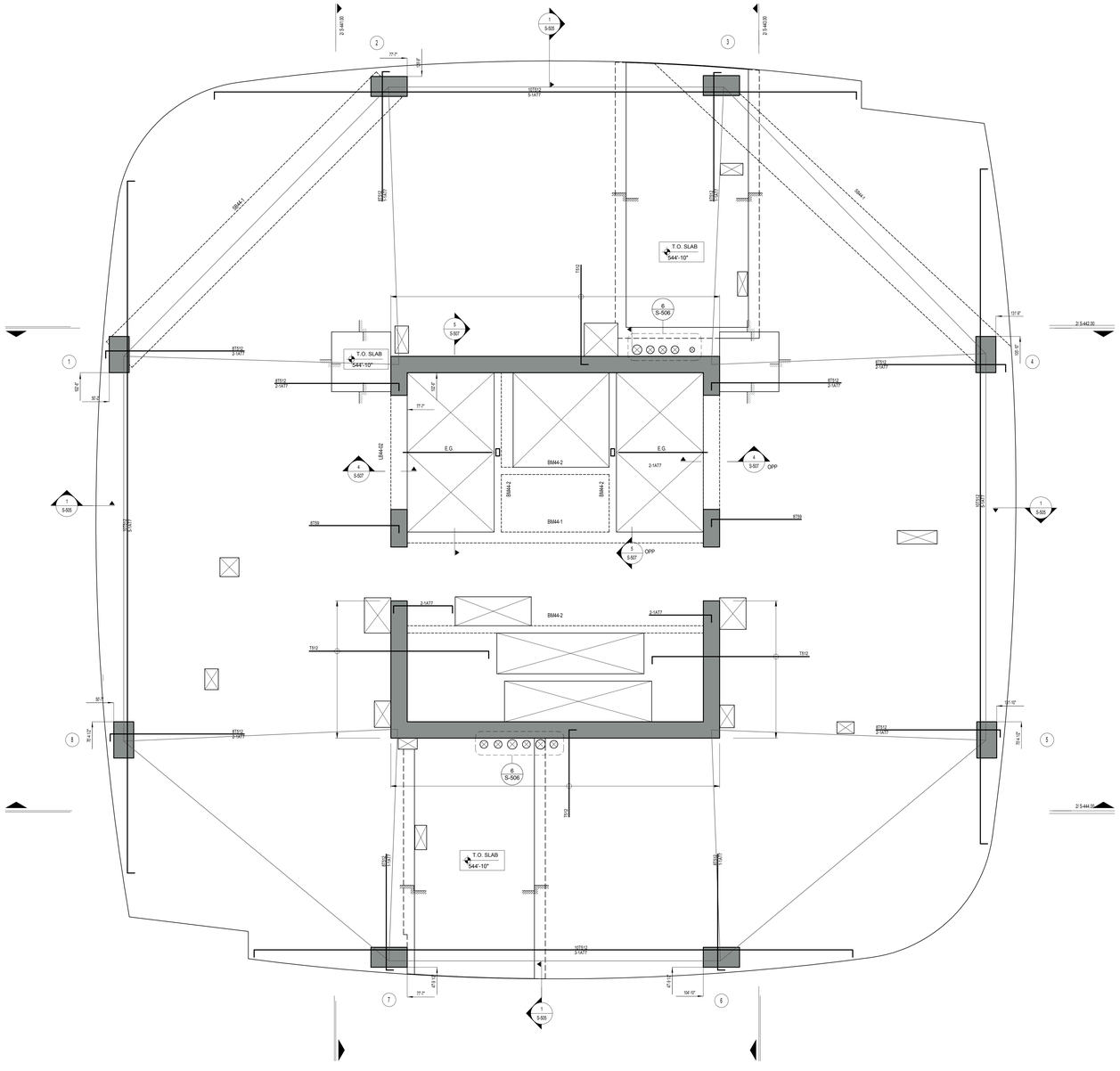
SEAL & SIGNATURE:
STATE OF NEW YORK
074933
LICENSED PROFESSIONAL ENGINEER

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	As indicated

S-240.00

DWG NO:

DEPT OF BLDGS 421323.00 Job Number
S3600523441 Scan Code



44TH FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

CONCRETE BEAM SCHEDULE (44TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM44-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 44 T.O.S.
BM44-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 44 T.O.S.
SB44-1	40x12	3#8	3#8			LEVEL 44 T.O.S.

LEGEND:

- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- ↑ UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: **+510'-1 1/2"**

SLAB THICKNESS U.O.N.: **12"**

SLAB CONCRETE STRENGTH: **f'c=10KSI**

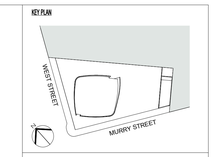
SLAB MIDDLE STRIP TOP BARS U.O.N.: **#5@12"O.C.**

SLAB BASIC BOTTOM BARS U.O.N.: **#5@12"O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ('EAST-WEST" x NORTH-SOUTH')
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR . DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/04/2015
NYC Development Hub

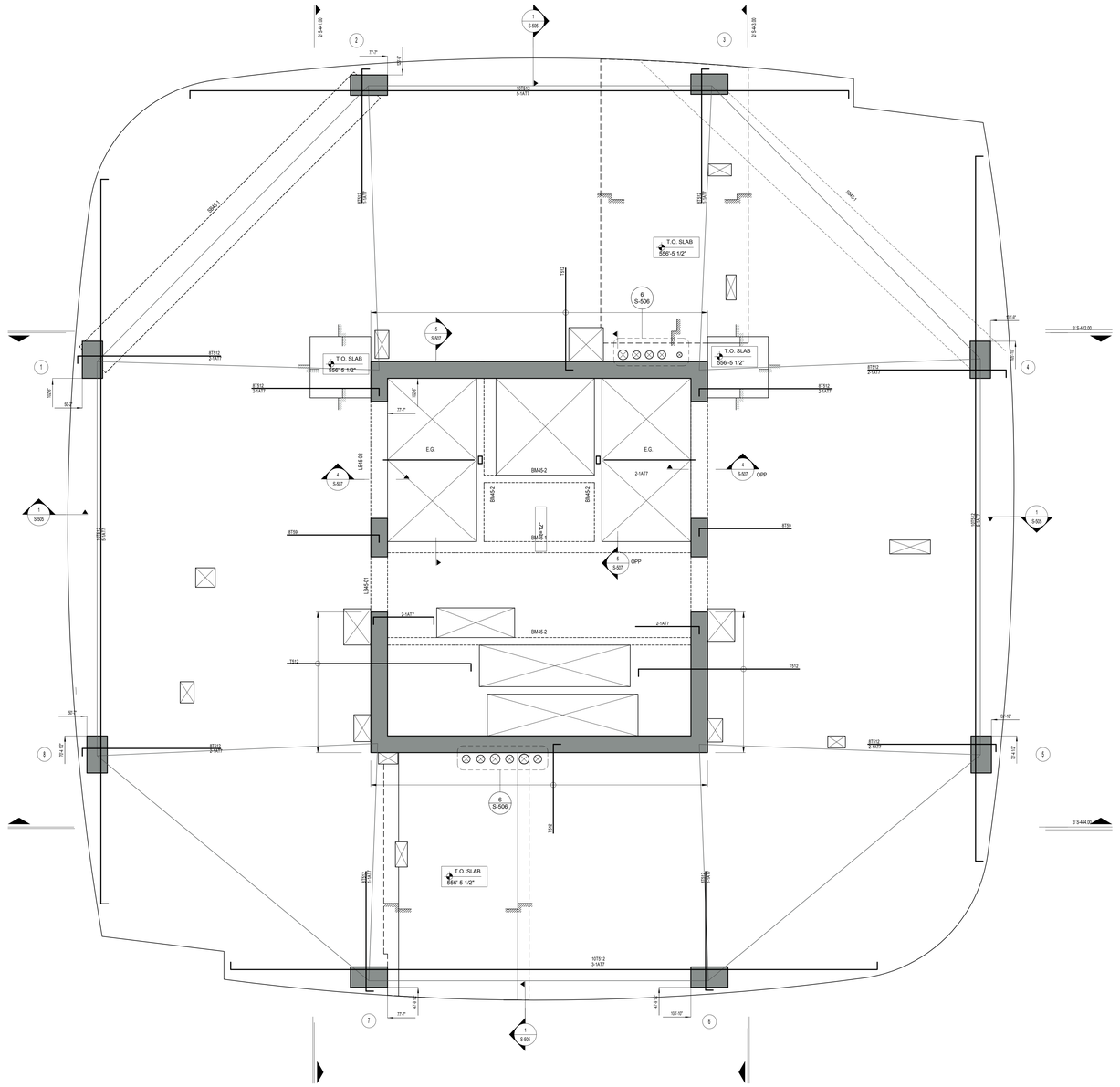
DWG TITLE:
44TH FLOOR PLAN

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated
S-244.00
DWG NO:

STATE OF NEW YORK — STEPHEN V. DESIMONE — 074933 — LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 421323.00 Job Number
E500429003.00 Scan Code



45TH THRU 50TH FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

ELEVATION TABLE 45TH THRU 50TH FLOORS

LEVEL	ELEVATION
LEVEL 45 T.O.S.	556'-7 1/2"
LEVEL 46 T.O.S.	568'-3"
LEVEL 47 T.O.S.	579'-10 1/2"
LEVEL 48 T.O.S.	591'-6"
LEVEL 49 T.O.S.	603'-1 1/2"
LEVEL 50 T.O.S.	614'-9"

CONCRETE BEAM SCHEDULE (45TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM45-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 45 T.O.S.
BM45-2	8x24		2#6	#3@10" (2L)		LEVEL 45 T.O.S.
SB45-1	40x12	3#8	3#8			LEVEL 45 T.O.S.

LEGEND:

- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- ↑ UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: **VARIES; SEE TABLE**

SLAB THICKNESS U.O.N.: **12"**

SLAB CONCRETE STRENGTH: **f'c=10KSI**

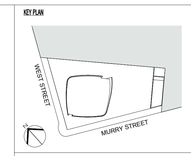
SLAB MIDDLE STRIP TOP BARS U.O.N.: **#5@12"O.C.**

SLAB BASIC BOTTOM BARS U.O.N.: **#5@12"O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR. DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POST SEMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9000 Fax: 212.989.9430

LANDSCAPE ARCHITECT
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

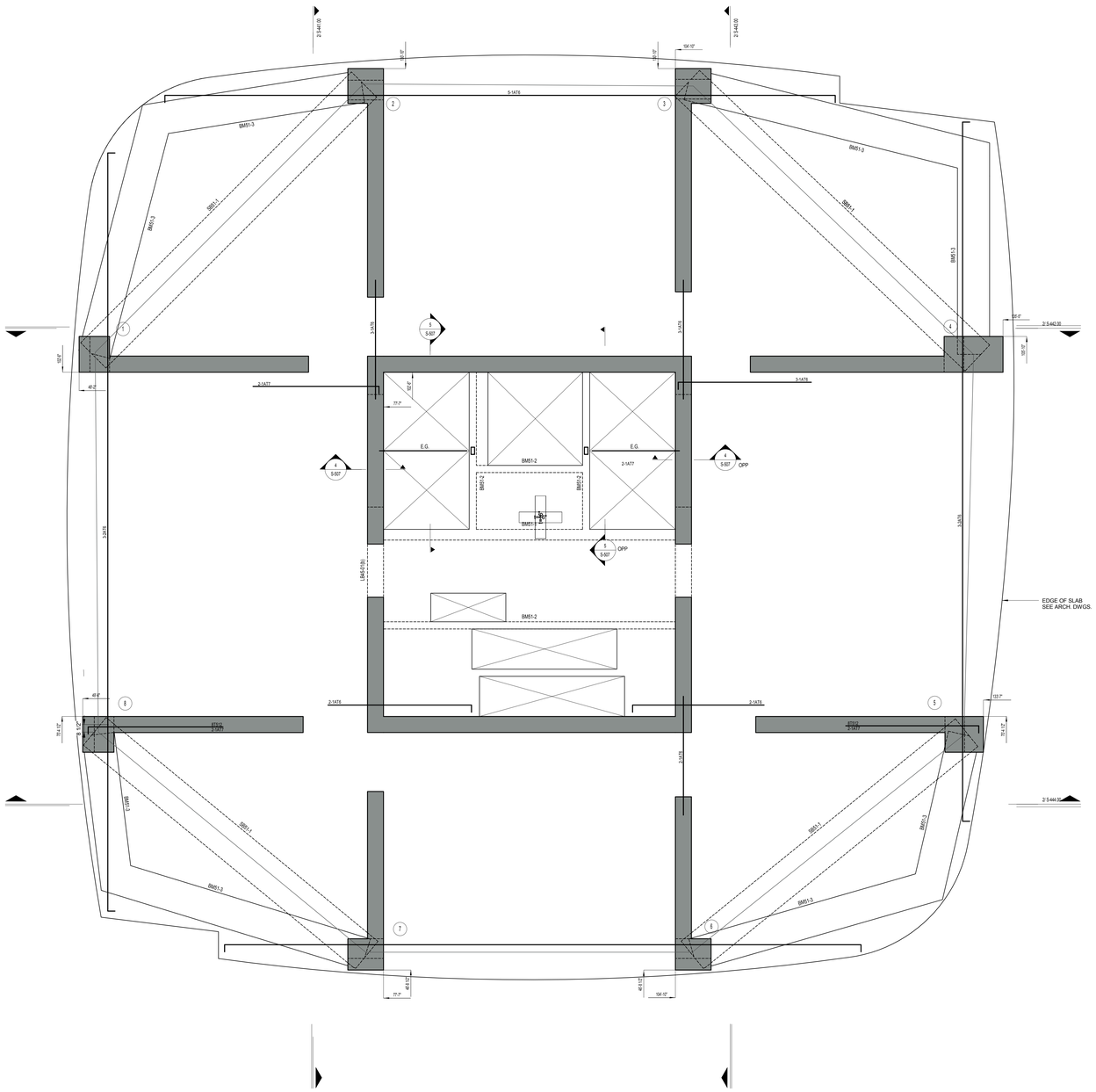
DWG TITLE
45TH THRU 50TH FLOOR PLAN

SEAL & SIGNATURE:

STATE OF NEW YORK
Stephen V. Desimone
074893
LICENSED PROFESSIONAL ENGINEER

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	As indicated
DWG NO:	S-245.00

DEPT OF BLDGS 121323.00 Job Number
B00308805000 Scan Code



51ST FLOOR PLAN (MECHANICAL)

SCALE: 1/4" = 1'-0"

NORTH

CONCRETE BEAM SCHEDULE (51ST FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS
BM51-1	12x24	3#6	3#6	#3@10" (2L)	
BM51-2	8x24	2#6	2#6	#3@10" (2L)	
BM51-3	36x36	10#8	4#8	#3@12 (2L)	
SB51-1	40x16	3#8	3#8		

LEGEND:

- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- DENOTES CONCRETE COLUMN UP
- E.G. DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: **+625'-4 1/2"**

SLAB THICKNESS U.O.N.: **16"**

SLAB CONCRETE STRENGTH: **f'c=10KSI**

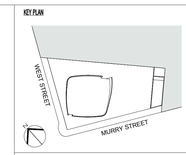
SLAB MIDDLE STRIP TOP BARS U.O.N.: **#8@12"O.C. E.W. (TOP MAT)**

SLAB BASIC BOTTOM BARS U.O.N.: **#8@12"O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR. DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POST/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



03/09/15	DOB ISSUE	
02/13/15	DOCUMENT ISSUE NO. 7	
11/21/14	DOCUMENT ISSUE NO.2	
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 1 of 1975
Date: 05/20/2015
NYC Development Hub

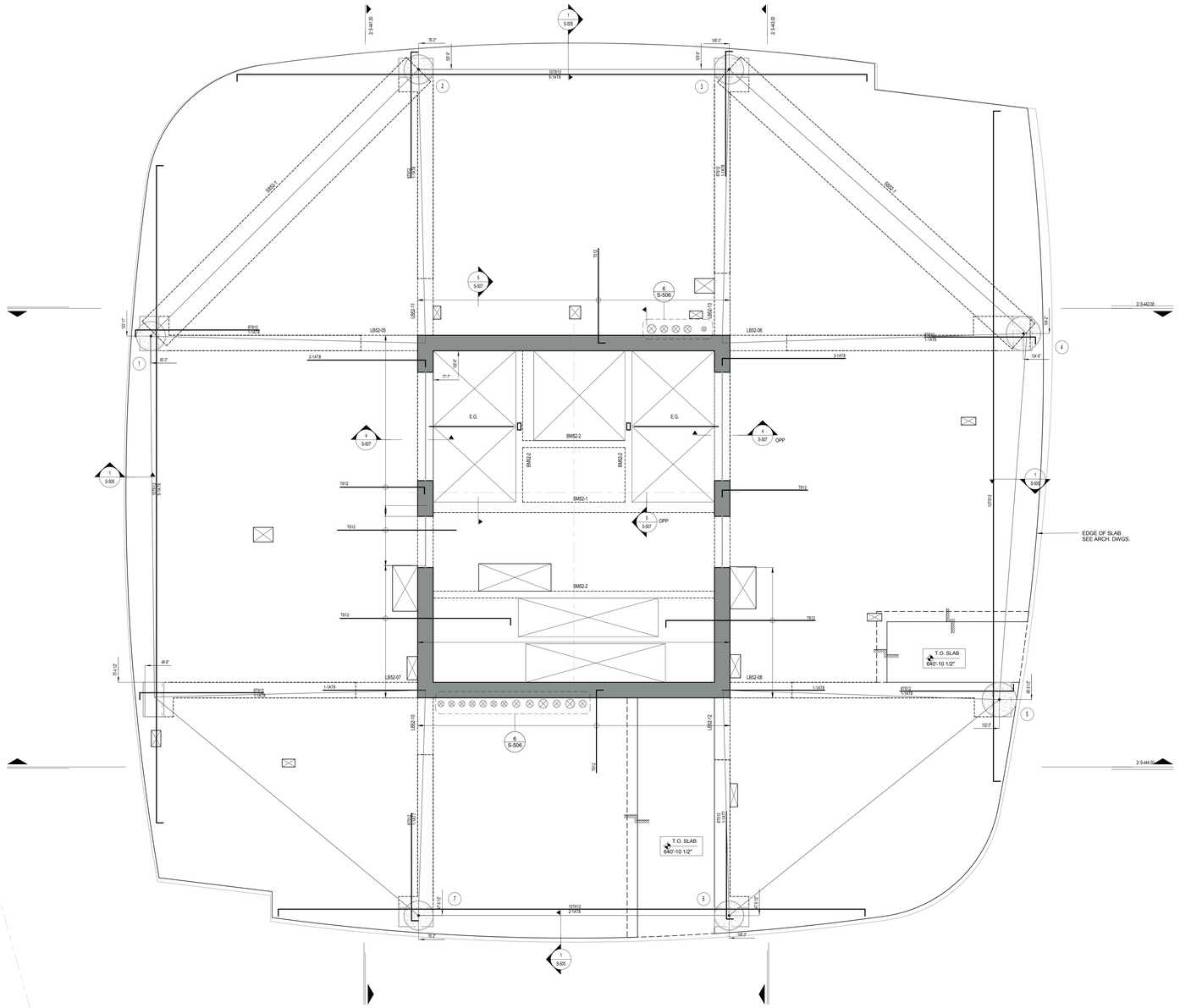
DWG TITLE:
51ST FLOOR PLAN (MECHANICAL)

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated
S-251.00
DWG NO.

STATE OF NEW YORK
Stephen V. Desimone
074893
LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 421323.00 Job Number
E0509713A05S0 Scan Code



52ND FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

CONCRETE BEAM SCHEDULE (52ND FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BMS2-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 52 T.O.S.
BMS2-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 52 T.O.S.
SBS2-1	40x16	3#8	3#8			LEVEL 52 T.O.S.

LEGEND:

- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- ↑ UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: **+641'-1 1/2"**

SLAB THICKNESS U.O.N.: **16"**

SLAB CONCRETE STRENGTH: **f'c=10KSI**

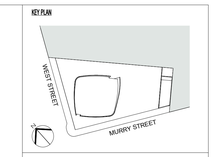
SLAB MIDDLE STRIP TOP BARS U.O.N.: **#6@12"O.C.**

SLAB BASIC BOTTOM BARS U.O.N.: **#6@9"O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR. DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7
	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9320 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/24/2015
NYC Development Hub

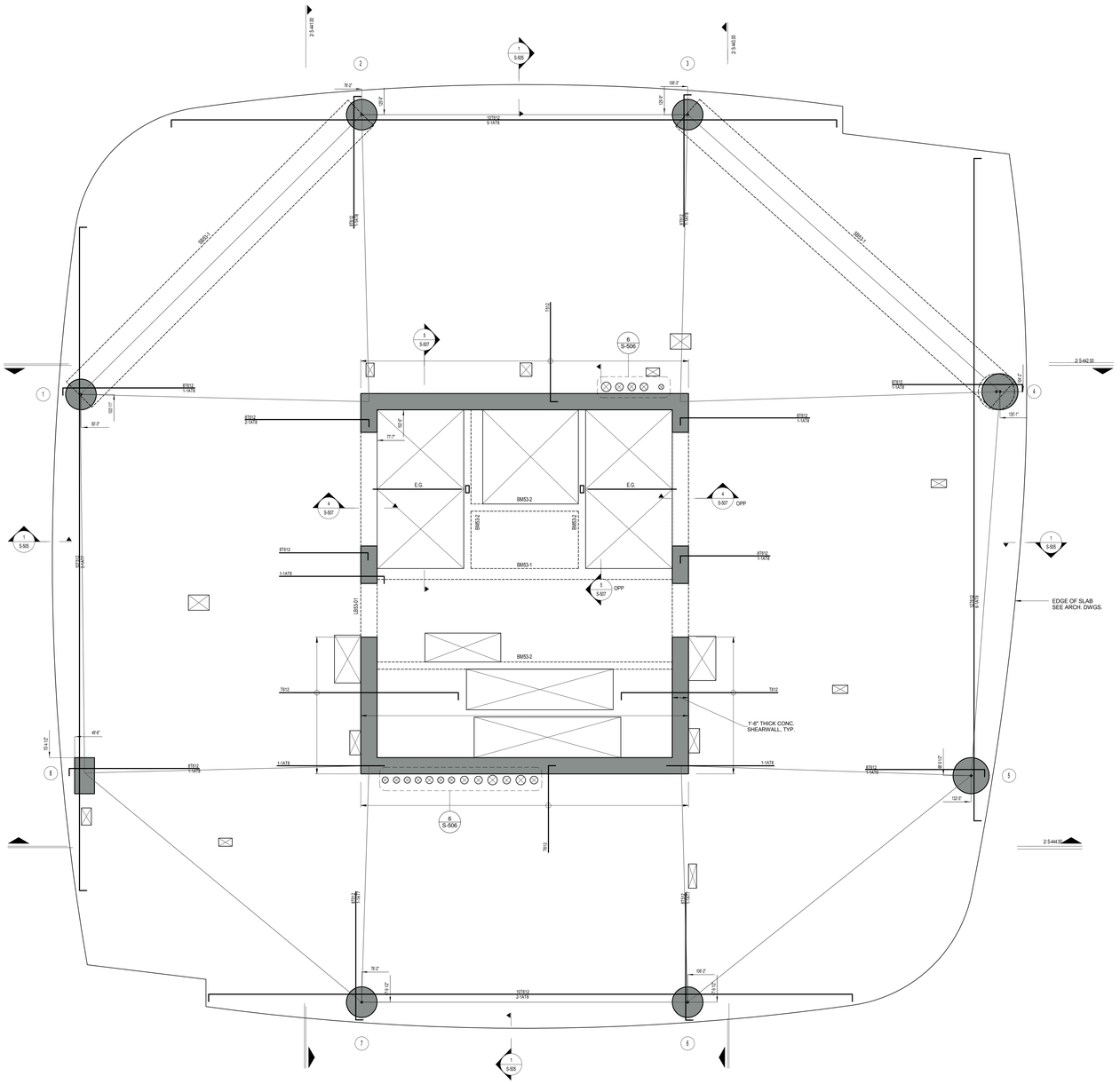
DWG TITLE:
52ND FLOOR PLAN

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated
DWG NO: S-252.00

STATE OF NEW YORK
James V. Desimone
074933
LICENSED PROFESSIONAL ENGINEER
18 Sept 2015

DEPT OF BLDGS 421323.00 Job Number
ESV2A00.2226 Scan Code



53RD FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

CONCRETE BEAM SCHEDULE (53RD FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM53-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 53 T.O.S.
BM53-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 53 T.O.S.
SB53-1	40x16	3#8	3#8			LEVEL 53 T.O.S.

LEGEND:

- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- ↑ UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: **+653'-8 1/2"**

SLAB THICKNESS U.O.N.: **16"**

SLAB CONCRETE STRENGTH: **f'c=10KSI**

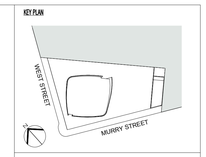
SLAB MIDDLE STRIP TOP BARS U.O.N.: **#6@12"O.C.**

SLAB BASIC BOTTOM BARS U.O.N.: **#6@9"O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR. DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7
	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

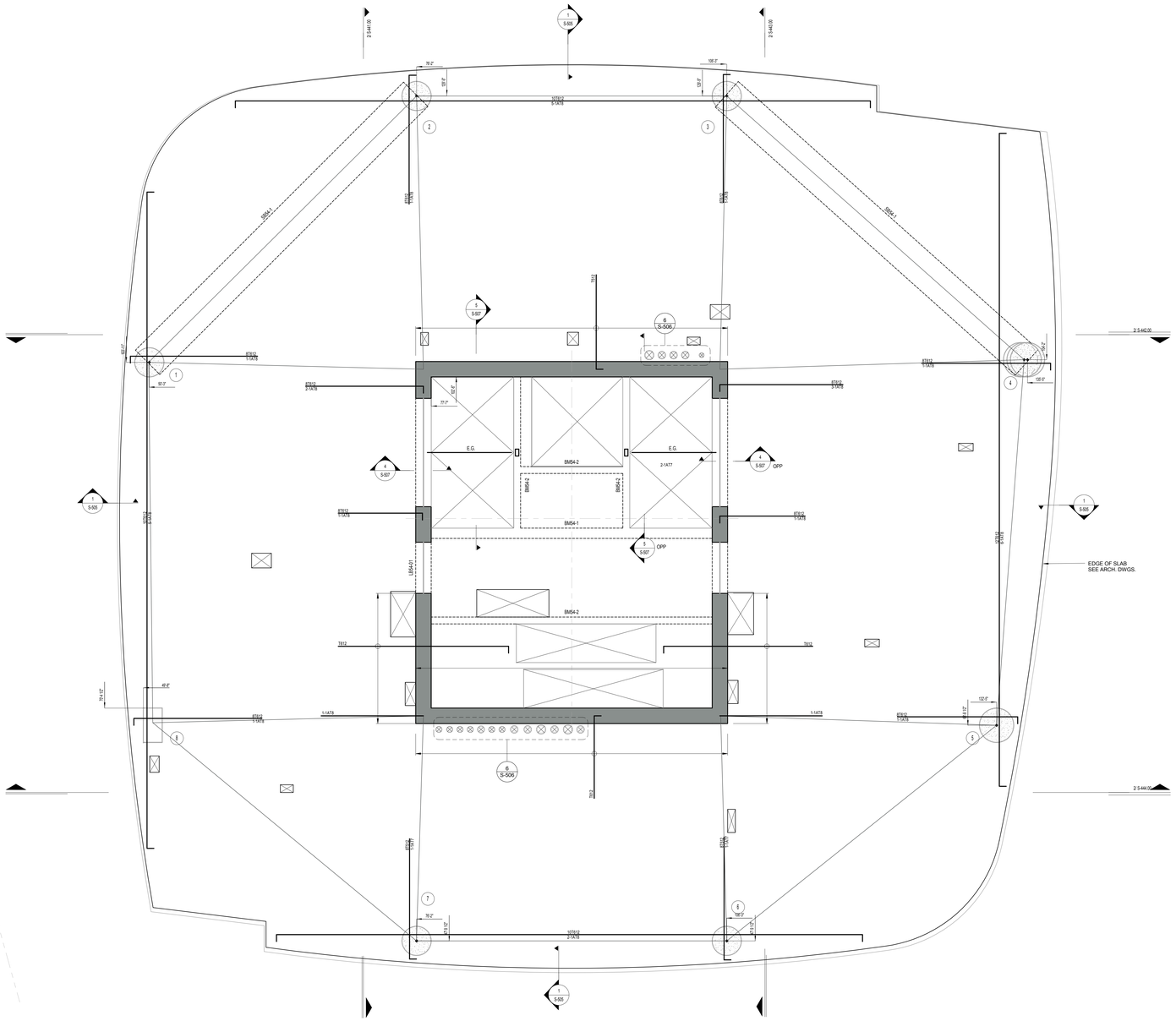
DWG TITLE:
53RD FLOOR PLAN

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated
DWG NO: S-253.00

STATE OF NEW YORK
Stephen V. Desimone
074933
LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 421323.00 Job Number
ES0408524127 Scan Code



54TH FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

CONCRETE BEAM SCHEDULE (54TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM54-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 54 T.O.S.
BM54-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 54 T.O.S.
SB54-1	40x16	3#8	3#8			LEVEL 54 T.O.S.

LEGEND:

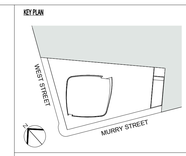
- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.:	+666'-4 1/2"
SLAB THICKNESS U.O.N.:	16"
SLAB CONCRETE STRENGTH:	f'c=10KSI
SLAB MIDDLE STRIP TOP BARS U.O.N.:	#6@12"O.C.
SLAB BASIC BOTTOM BARS U.O.N.:	#6@9"O.C. E.W.

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR . DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7
	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212 977 6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

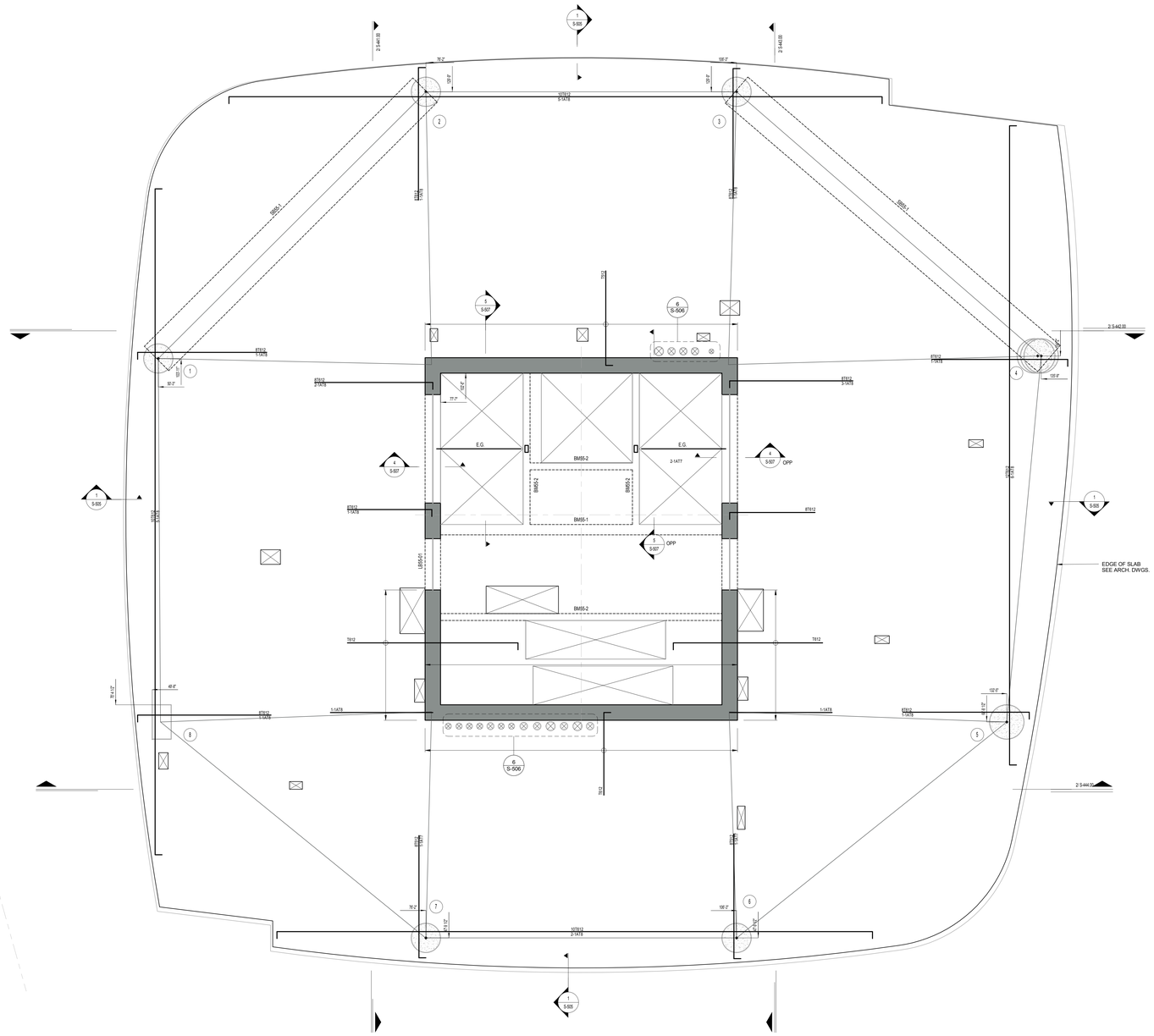
DWG TITLE:
54TH FLOOR PLAN

SEAL & SIGNATURE:

STATE OF NEW YORK
Shaugat V. Shaikh
074933
LICENSED PROFESSIONAL ENGINEER

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	As indicated
DWG NO:	S-254.00

DEPT OF BLDGS 421323.00 Job Number
ES0514120051 Scan Code



55TH FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

CONCRETE BEAM SCHEDULE (55TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM55-1	12x24	3#6	3#6	#3@12" (2L)		LEVEL 55 T.O.S.
BM55-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 55 T.O.S.
SB55-1	40x16	3#8	3#8			LEVEL 55 T.O.S.

LEGEND:

- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- ↑ UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: **+679'-0 1/2"**

SLAB THICKNESS U.O.N.: **16"**

SLAB CONCRETE STRENGTH: **f'c=10KSI**

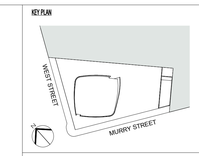
SLAB MIDDLE STRIP TOP BARS U.O.N.: **#6@12"O.C.**

SLAB BASIC BOTTOM BARS U.O.N.: **#6@9"O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR. DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7
	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

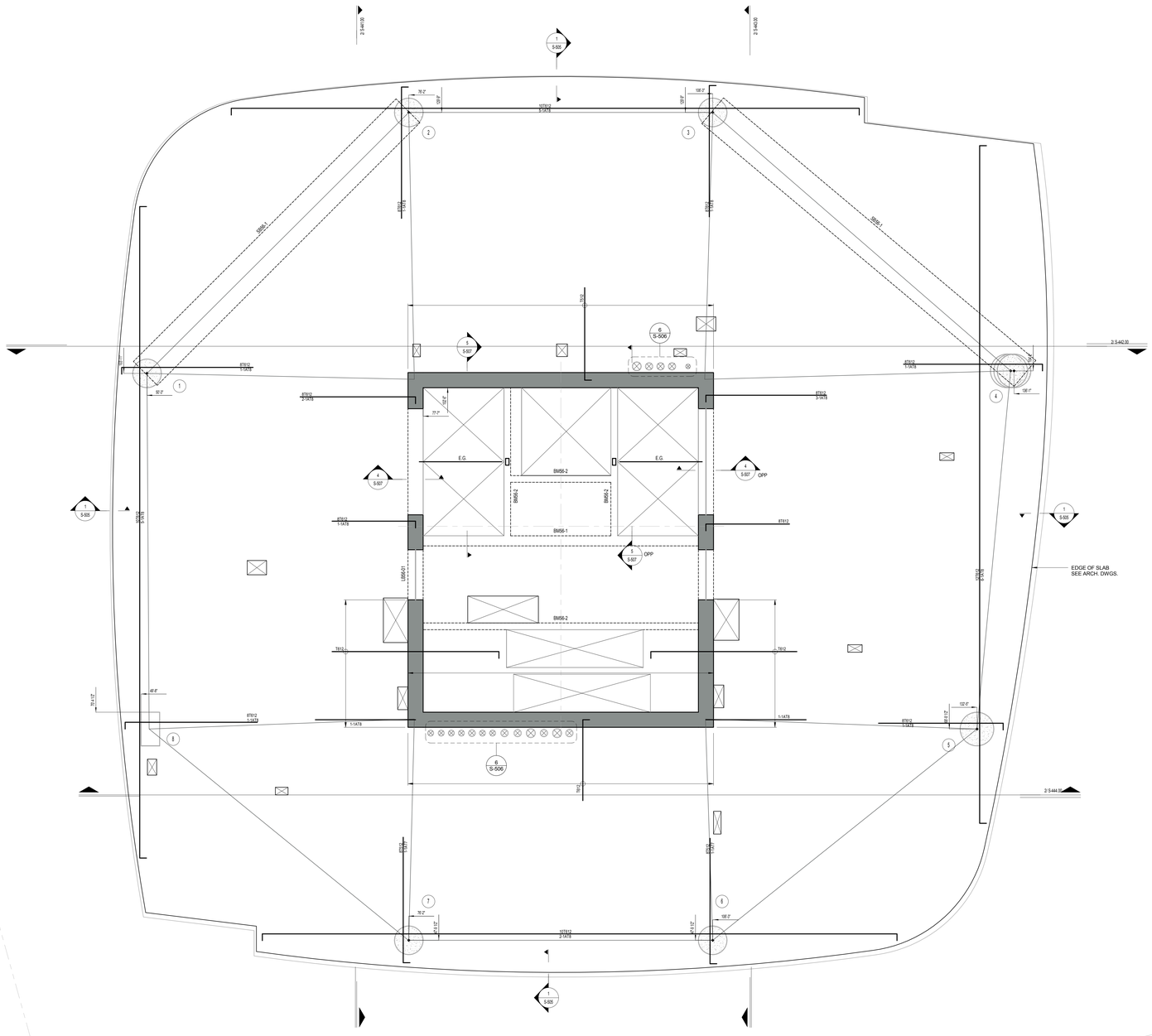
DWG TITLE:
55TH FLOOR PLAN

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated
DWG NO: S-255.00

STATE OF NEW YORK
Thomas V. Desimone
074933
LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 421323.00 Job Number
E5437890705 Scan Code



56TH FLOOR PLAN

SCALE: 1/4" = 1'-0"

CONCRETE BEAM SCHEDULE (56TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM56-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 56 T.O.S.
BM56-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 56 T.O.S.
SB56-1	40x16	3#8	3#8			LEVEL 56 T.O.S.

LEGEND:

- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- ↑ UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: **+691'-8 1/2"**

SLAB THICKNESS U.O.N.: **16"**

SLAB CONCRETE STRENGTH: **f'c=10KSI**

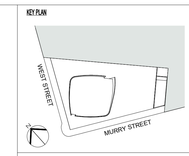
SLAB MIDDLE STRIP TOP BARS U.O.N.: **#6@12"O.C.**

SLAB BASIC BOTTOM BARS U.O.N.: **#6@9"O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR . DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



03/09/15	DOB ISSUE	
02/13/15	DOCUMENT ISSUE NO. 7	
11/21/14	DOCUMENT ISSUE NO.2	
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

DWG TITLE:
56TH FLOOR PLAN

SEAL & SIGNATURE:

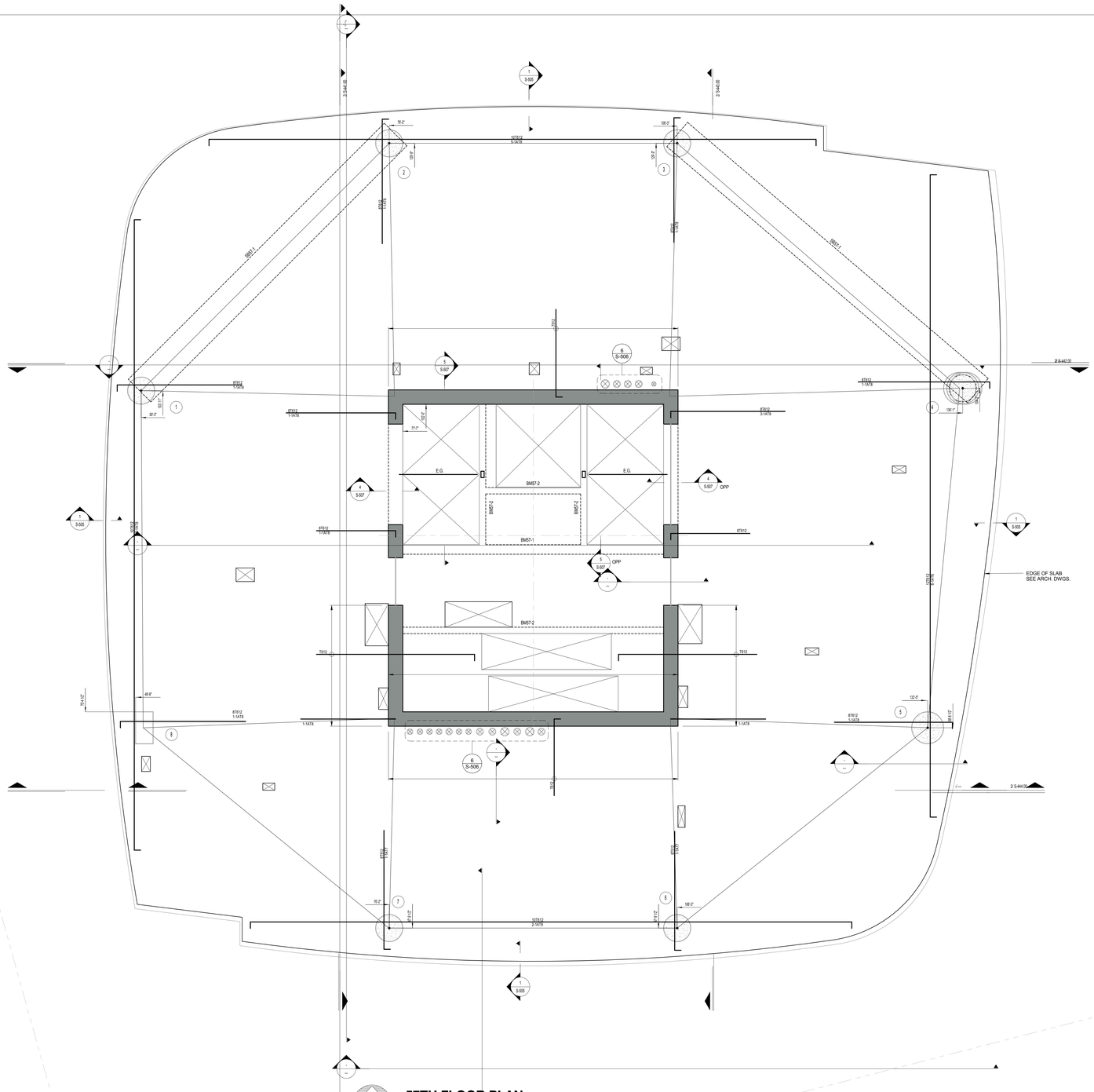
DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated

S-256.00

DWG NO:

STATE OF NEW YORK — SHAUGAT SHAIKH — 074935 — LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 421323.00 Job Number
B3595695095 Scan Code



57TH FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

CONCRETE BEAM SCHEDULE (57TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM57-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 57 T.O.S.
BM57-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 57 T.O.S.
SB57-1	40x16	3#6	3#6			LEVEL 57 T.O.S.

LEGEND:

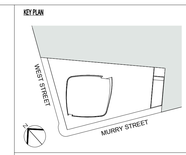
- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.:	+704'-4 1/2"
SLAB THICKNESS U.O.N.:	16"
SLAB CONCRETE STRENGTH:	f'c=10KSI
SLAB MIDDLE STRIP TOP BARS U.O.N.:	#6@12"O.C.
SLAB BASIC BOTTOM BARS U.O.N.:	#6@9"O.C. E.W.

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR . DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7
	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
57TH FLOOR PLAN

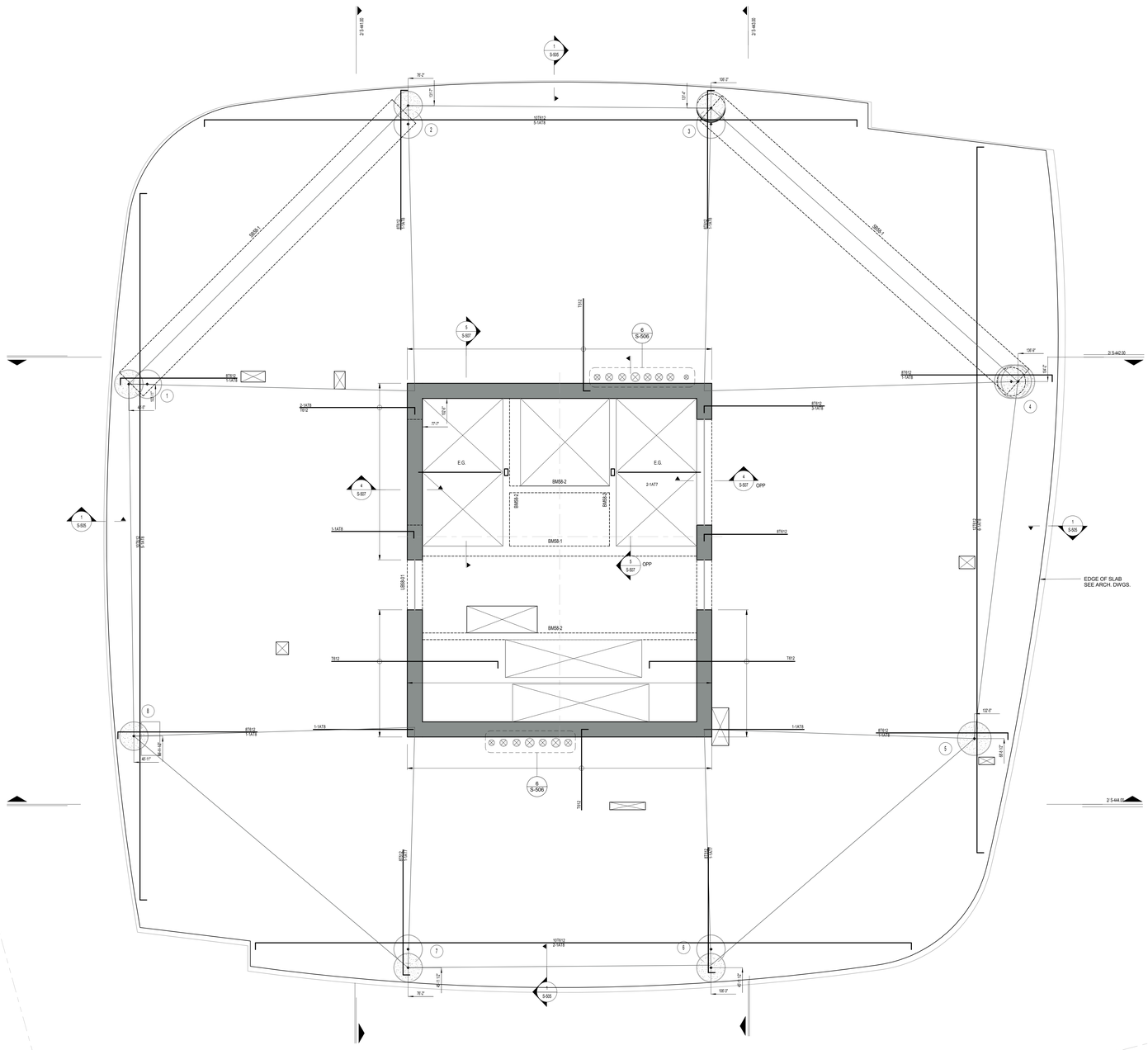
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated

DWG NO: S-257.00

STATE OF NEW YORK — Charles V. Desimone — 074933 — LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 421323.00 Job Number
B S3605394560 Scan Code



58TH FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

CONCRETE BEAM SCHEDULE (58TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM58-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 58 T.O.S.
BM58-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 58 T.O.S.
SB58-1	40x16	3#8	3#8			LEVEL 58 T.O.S.

LEGEND:

- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- ↑ UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: **+718'-0 1/2"**

SLAB THICKNESS U.O.N.: **16"**

SLAB CONCRETE STRENGTH: **f'c=10KSI**

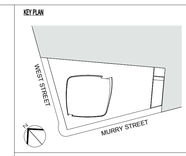
SLAB MIDDLE STRIP TOP BARS U.O.N.: **#6@12"O.C.**

SLAB BASIC BOTTOM BARS U.O.N.: **#6@9"O.C. E.W.**

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR. DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POST/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7
	11/21/14	DOCUMENT ISSUE NO.2

OWNER
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

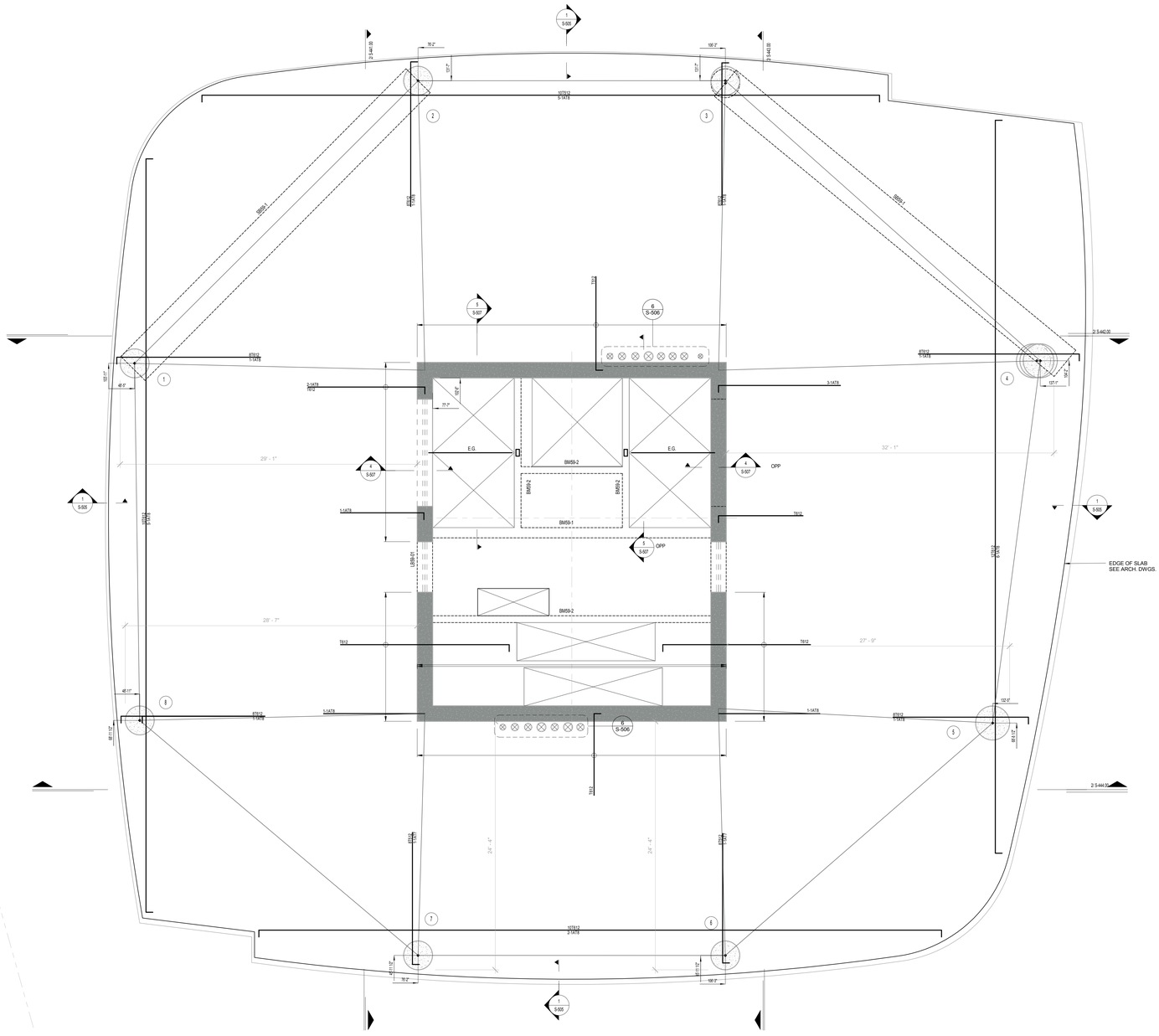
DWG TITLE:
58TH FLOOR PLAN

SEAL & SIGNATURE:

Stephen V. Desimone
074933
STATE OF NEW YORK
LICENSED PROFESSIONAL ENGINEER

DATE: **09/15/14**
PROJECT #: **14077.00**
SCALE: **As indicated**
DWG NO: **S-258.00**

DEPT OF BLDGS 421323.00 Job Number
E3905053885 Scan Code



59TH FLOOR PLAN

SCALE: 1/4" = 1'-0"

CONCRETE BEAM SCHEDULE (59TH FLOOR)

MARK	SIZE (w x h)	CONT. TOP BARS	BOTTOM BARS	STIRRUPS	COMMENTS	Reference Level
BM59-1	12x24	3#6	3#6	#3@10" (2L)		LEVEL 59 T.O.S.
BM59-2	8x24	2#6	2#6	#3@10" (2L)		LEVEL 59 T.O.S.
SB59-1	40x16	3#8	3#8			LEVEL 59 T.O.S.

LEGEND:

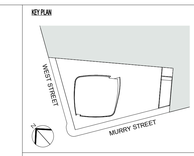
- DENOTES CONCRETE COLUMN / WALL
- DENOTES CONCRETE COLUMN / WALL BELOW
- DENOTES SLAB OPENING
- UP — DENOTES CONCRETE COLUMN UP
- E.G. — DENOTES HSS6x4x5/16 ELEVATOR GUIDE BEAM

TOP OF SLAB ELEVATION U.O.N.:	+732'-0 1/2"
SLAB THICKNESS U.O.N.:	16"
SLAB CONCRETE STRENGTH:	f'c=10KSI
SLAB MIDDLE STRIP TOP BARS U.O.N.:	#6@12"O.C.
SLAB BASIC BOTTOM BARS U.O.N.:	#6@9"O.C. E.W.

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR . DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.
12. LOCATION OF ALL VERTICAL POSTS/EMBEDS SUPPORTING FACADE TO BE COORDINATED WITH CURTAIN WALL CONTRACTOR. EMBEDS NOT SHOWN ON PLAN FOR CLARITY.

KEY PLAN



03/09/15	DOB ISSUE	
02/13/15	DOCUMENT ISSUE NO. 7	
11/21/14	DOCUMENT ISSUE NO.2	
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 3 of 1975
Date: 05/20/2015
NYC Development Hub

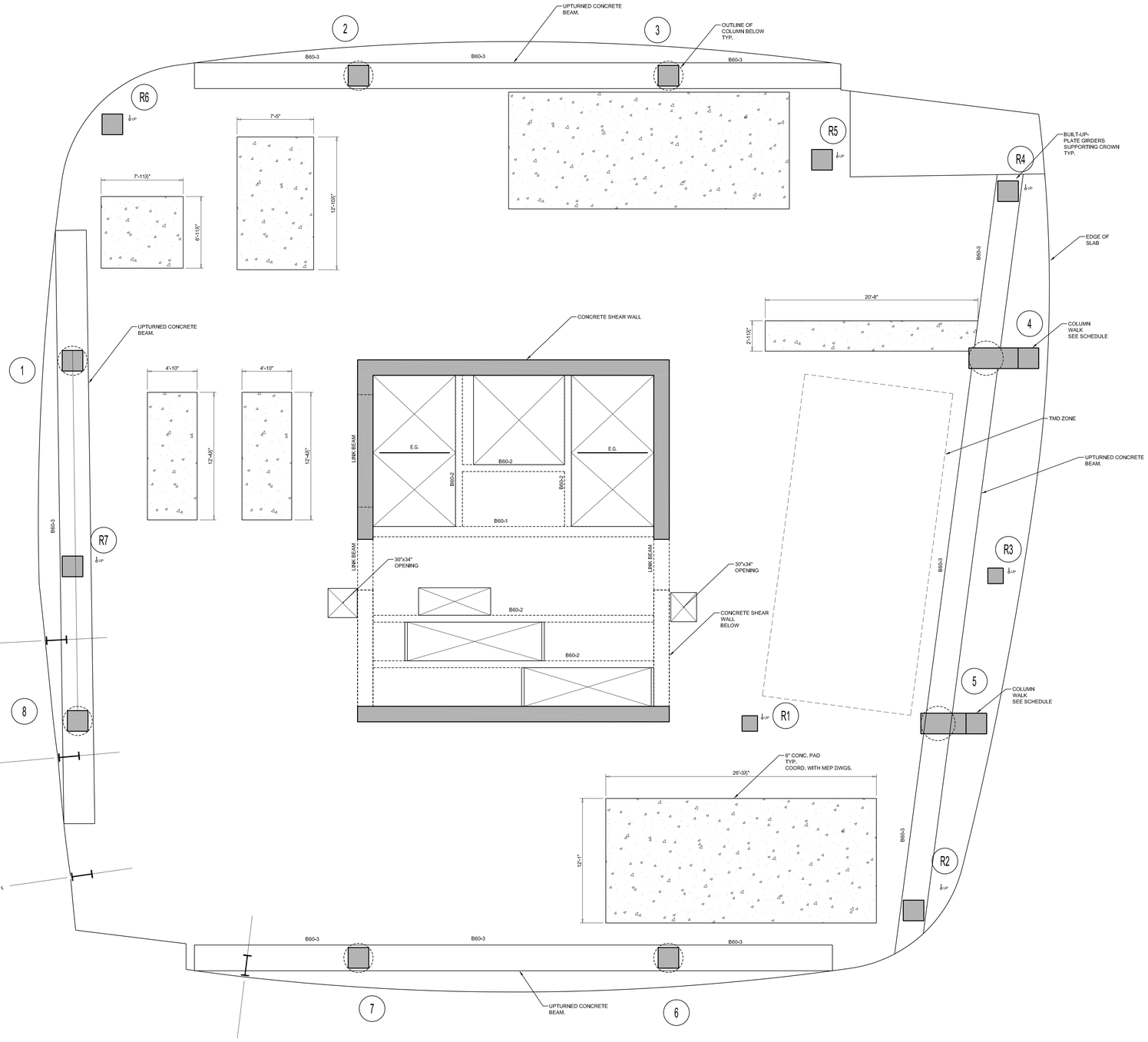
DWG TITLE:
59TH FLOOR PLAN

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated
DWG NO: S-259.00

STATE OF NEW YORK — Charles V. Desimone — 074853 — Licensed Professional Engineer

DEPT OF BLDGS 121323210 Job Number
E364642095 Scan Code



CONCRETE BEAM SCHEDULE

MARK	SIZE (w x h)	BOTTOM BARS	CONT. TOP BARS	STIRRUPS		REMARKS
				SIZE	SPACING	
B60-1	12x24	3#6	3-3#6	2L #4	@ 12" O.C.	
B60-2	8x20	2-#7	2-#7	2L #4	@ 9" O.C.	
B60-3	36x60	14-#10 (2 ROWS)	14-#10 (2 ROWS)	4L #5	@ 12" O.C.	
SB60-1	48x20	6-#7	6#7	2L #4	@ 6" O.C.	

60TH FLOOR PLAN (ROOF)

SCALE: 1/4" = 1'-0"

LEGEND:

- DENOTES CONCRETE COLUMN/ WALL
- DENOTES CONCRETE COLUMN BELOW
- DENOTES SLAB OPENING
- UP — DENOTES CONCRETE COLUMN UP
- EG — DENOTES HSS6x4x⅜ ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: EL. +748'-4 1/2"

SLAB THICKNESS U.O.N.: 20"

SLAB CONCRETE STRENGTH U.O.N.: f ' c = 12KSI

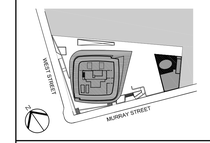
SLAB BASIC BOTTOM BARS U.O.N.: #8 @ 9" O.C. E.W.

SLAB TOP BARS (U.O.N.): #8 @ 9" O.C. E.W.

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
60TH FLOOR PLAN (ROOF)

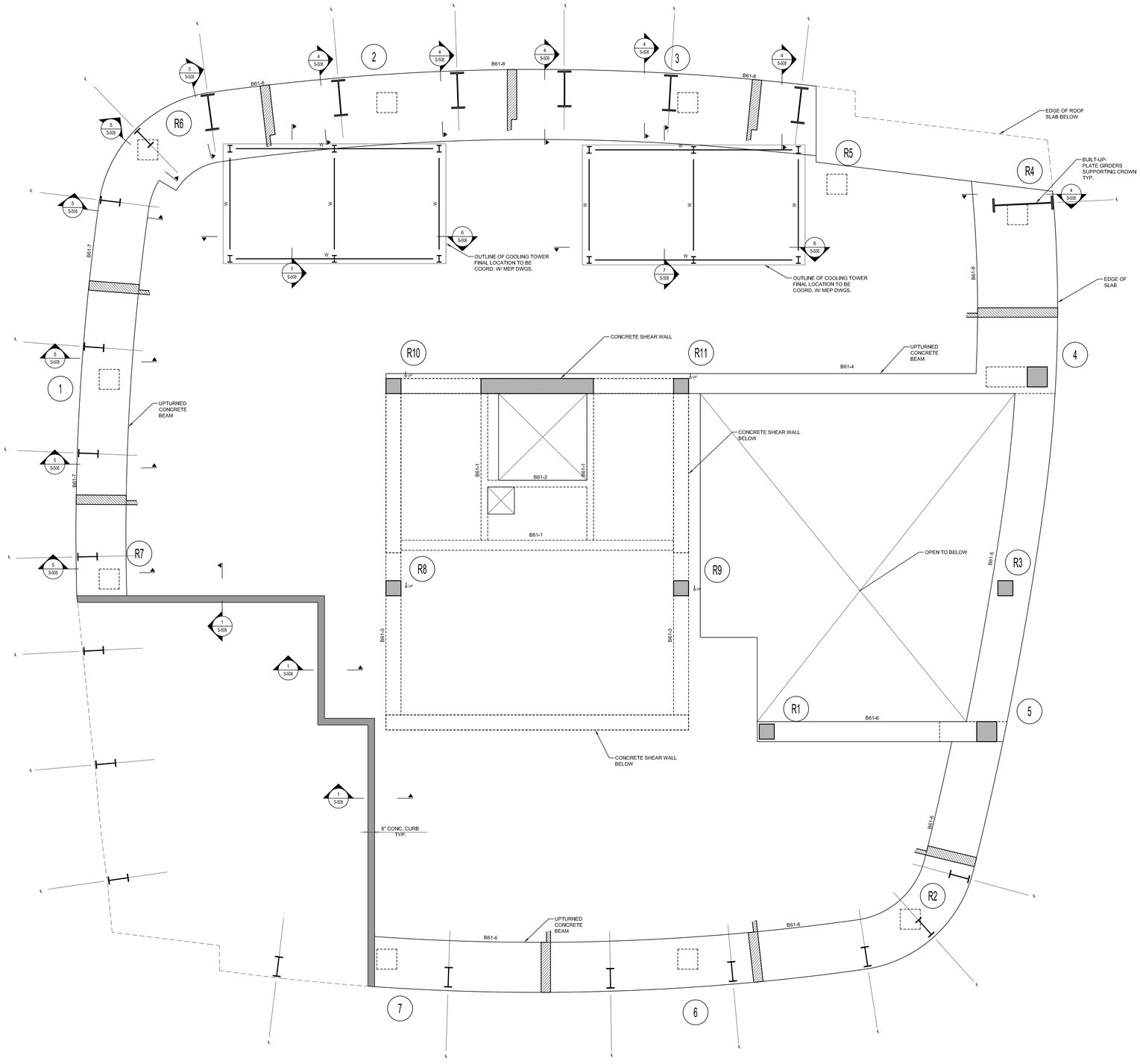
SEAL & SIGNATURE:
STATE OF NEW YORK — STEPHEN V. DESIMONE — 074933 — LICENSED PROFESSIONAL ENGINEER

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	AS NOTED
DWG NO.	S-260.00
	OF

P:\PROJECTS\14077.00 DESIGN\DWG\S-260.00 60TH FLOOR PLAN (ROOF).dwg

DEPT OF BLDGS 421332.00 Job Number

ES4687194909 Scan Code



CONCRETE BEAM SCHEDULE

MARK	SIZE (w x h)	BOTTOM BARS	CONT. TOP BARS	STIRRUPS SIZE	STIRRUPS SPACING	REMARKS
B61-1	12x24	3-#6	3-#6	2L #4	@ 9" O.C.	
B61-2	8x24	2-#6	2-#6	2L #3	@ 9" O.C.	
B61-3	18x36	3-#8	6-#8 (2 ROWS)	2L #4	@ 12" O.C.	
B61-4	24x36	4-#8	4-#8	2L #4	@ 12" O.C.	
B61-5	48x24	8-#8	8-#8	4L #4	@12" O.C.	
B61-6	60x36	14-#10	14-#10	4L #5	@ 9" O.C.	
B61-7	60x48	18-#10	18-#10	2L #5	@ 9" O.C.	
B61-8	84x48	28-#10 (2 ROWS)	28-#10 (2 ROWS)	4L-#7	@ 8" O.C.	

61ST FLOOR PLAN (BULKHEAD)

SCALE: 1/4" = 1'-0"

LEGEND:

- DENOTES CONCRETE COLUMN/ WALL
- DENOTES CONCRETE COLUMN BELOW
- DENOTES SLAB OPENING
- UP — DENOTES CONCRETE COLUMN UP
- EG — DENOTES HSS6x4x$\frac{1}{4}$ ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: EL. +761'-10 1/2"

SLAB THICKNESS U.O.N.: 14"

SLAB CONCRETE STRENGTH U.O.N.: f ' c = 10KSI

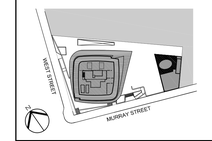
SLAB BASIC BOTTOM BARS U.O.N.: #8@ 12" O.C. E.W.

SLAB TOP BARS (U.O.N.): #8@ 12" O.C. E.W.

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" + NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/10/2015
NYC Development Hub

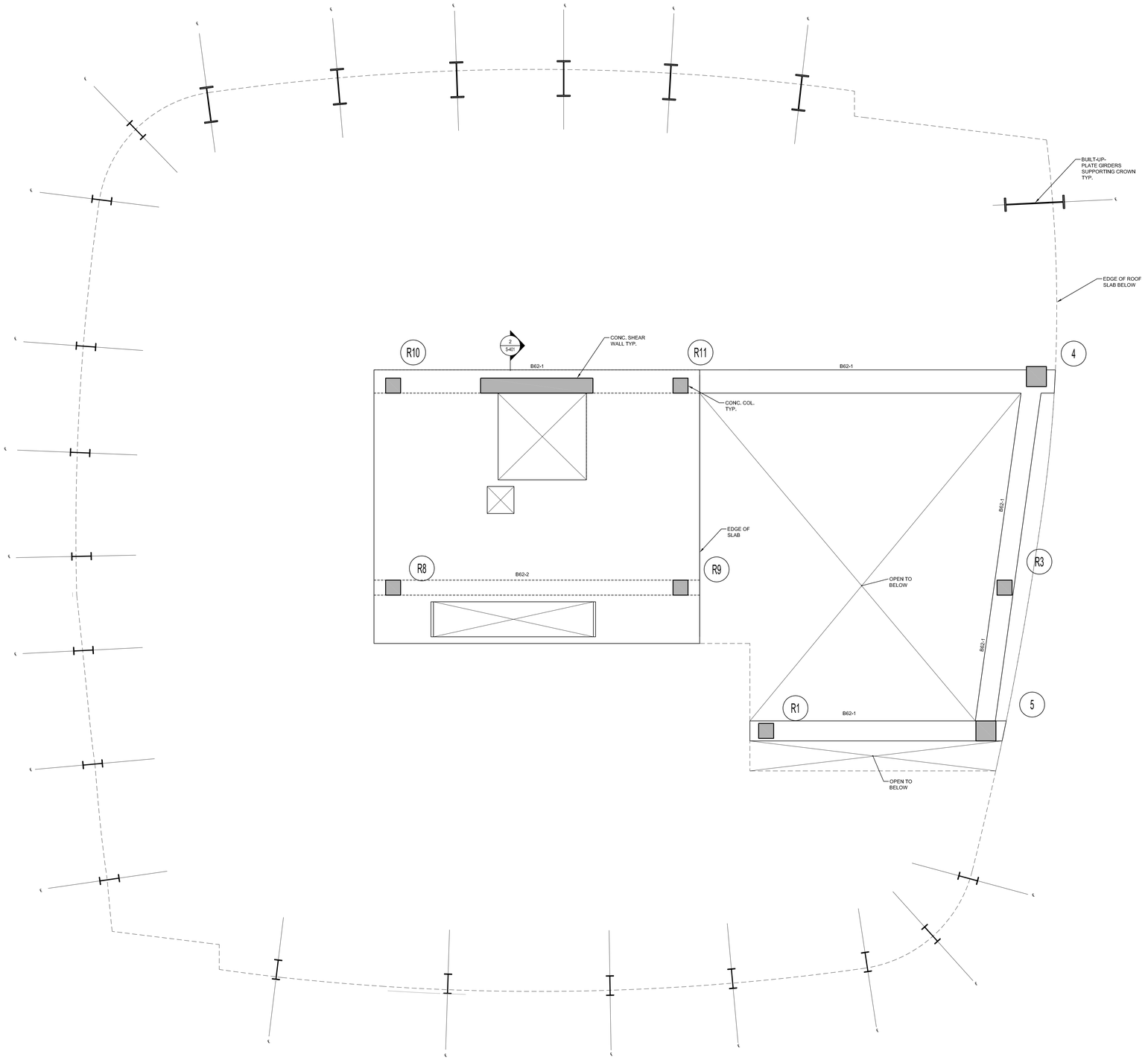
DWG TITLE:
61ST FLOOR PLAN (BULKHEAD)

SEAL & SIGNATURE:
STATE OF NEW YORK — Stephen V. Desimone — 074893 — LICENSED PROFESSIONAL ENGINEER

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	AS NOTED
DWG NO.	S-261.00
	OF

I:\PROJECTS\14077.00\CAD\S\S261.DWG

DEPT OF BLDGS 421323 00 Job Number
E350118954M Scan Code



CONCRETE BEAM SCHEDULE

MARK	SIZE (w x h)	BOTTOM BARS	CONT. TOP BARS	STIRRUPS		REMARKS
				SIZE	SPACING	
B62-1	24x36	4-#8	4-#8	2L #4	@ 12" O.C.	
B62-2	18X24	3-#8	3-#8	2L #4	@9" O.C.	

62ND FLOOR PLAN (SEMR)

SCALE: 1/4" = 1'-0"

LEGEND:

- DENOTES CONCRETE COLUMN/ WALL
- DENOTES CONCRETE COLUMN BELOW
- DENOTES SLAB OPENING
- UP — DENOTES CONCRETE COLUMN UP
- EG — DENOTES HSS6x4x$\frac{1}{4}$ ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.:
EL. +772'-10 1/2"

SLAB THICKNESS U.O.N.:
12"

SLAB CONCRETE STRENGTH U.O.N.:
f ' c = 10KSI

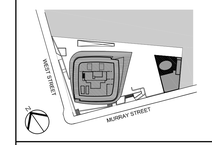
SLAB BASIC BOTTOM BARS U.O.N.:
#7@ 9" O.C. E.W.

SLAB TOP BARS (U.O.N.):
#7@ 9" O.C. E.W.

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO APPROVED ELEVATOR SHOP DRAWINGS FOR EQUIPMENT LOCATIONS. SUBMIT TO ENGINEER FOR REVIEW OF SUPPORT STRUCTURE.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5780, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
BuildNYC
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
62ND FLOOR PLAN (SEMR)

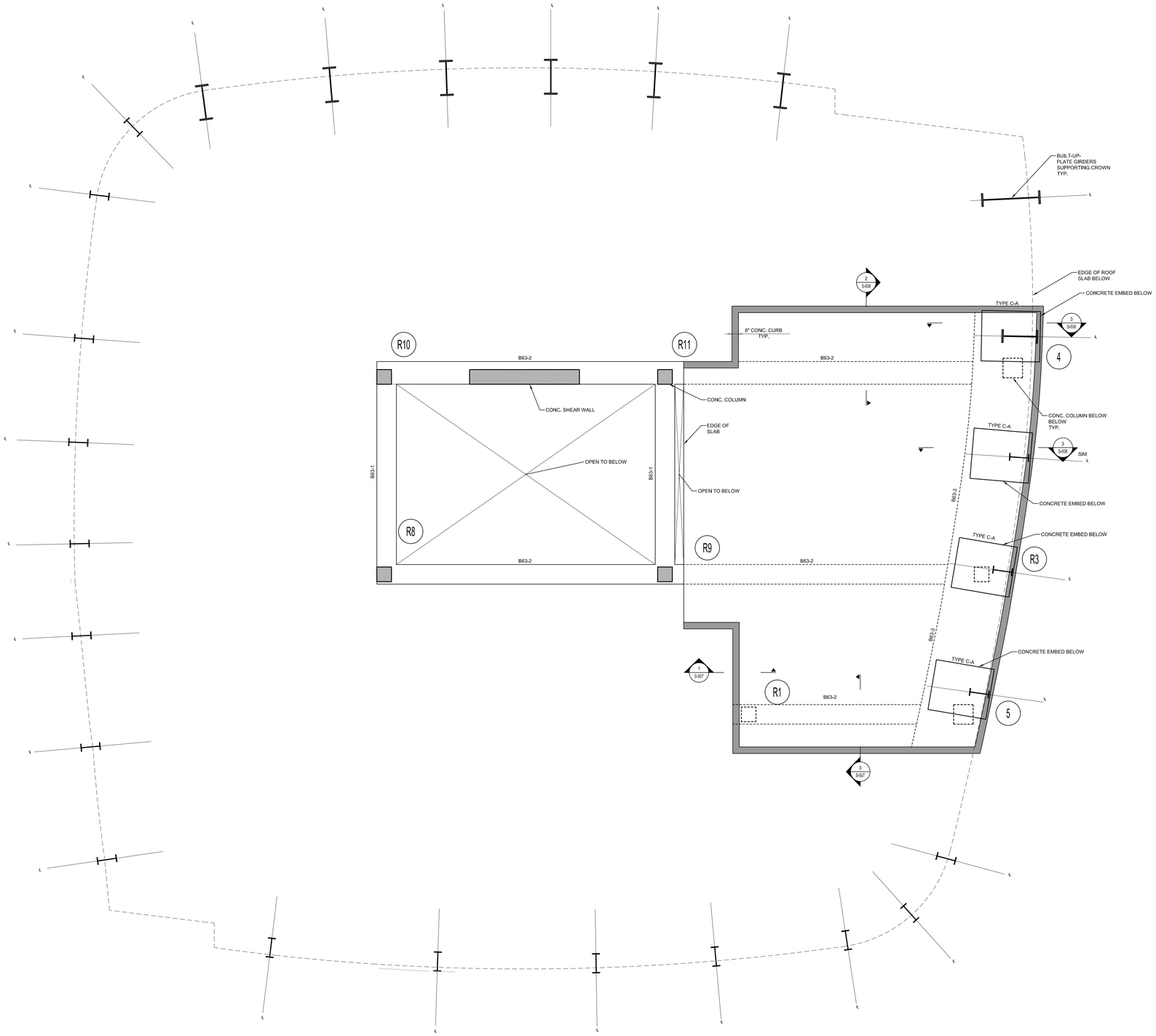
SEAL & SIGNATURE:
STATE OF NEW YORK — STEPHEN V. DESIMONE — 074933 — LICENSED PROFESSIONAL ENGINEER

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	AS NOTED
DWG NO.	S-262.00

T:\PROJECTS\14077.00 SEMR\DD\S262.DWG

OF

DEPT OF BLDGS 121323.00 Job Number
E-Submission Scan Code



CONCRETE BEAM SCHEDULE

MARK	SIZE (w x h)	BOTTOM BARS	CONT. TOP BARS	STIRRUPS SIZE	STIRRUPS SPACING	REMARKS
B63-1	24x36	4-#10	4-#10	2L #4	@ 12" O.C.	
B63-2	24X48	5-#10	5-#10	2L #4	@ 12" O.C.	
B63-3	84x48	28-#10 (2 ROWS)	28-#10 (2 ROWS)	4L #7	@ 8" O.C.	

63RD FLOOR PLAN (TMD ROOF)

SCALE: 1/4" = 1'-0"

LEGEND:

- DENOTES CONCRETE COLUMN/ WALL
- DENOTES CONCRETE COLUMN BELOW
- DENOTES SLAB OPENING
- (UP) DENOTES CONCRETE COLUMN UP
- EG DENOTES HSS6x4x$\frac{1}{4}$ ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: EL. +778'-4 1/2"

SLAB THICKNESS U.O.N.: 14"

SLAB CONCRETE STRENGTH U.O.N.: f ' c = 10KSI

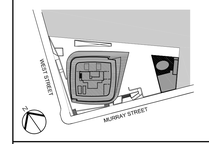
SLAB BASIC BOTTOM BARS U.O.N.: #7@ 12" O.C. E.W.

SLAB TOP BARS (U.O.N.): #7@ 12" O.C. E.W.

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

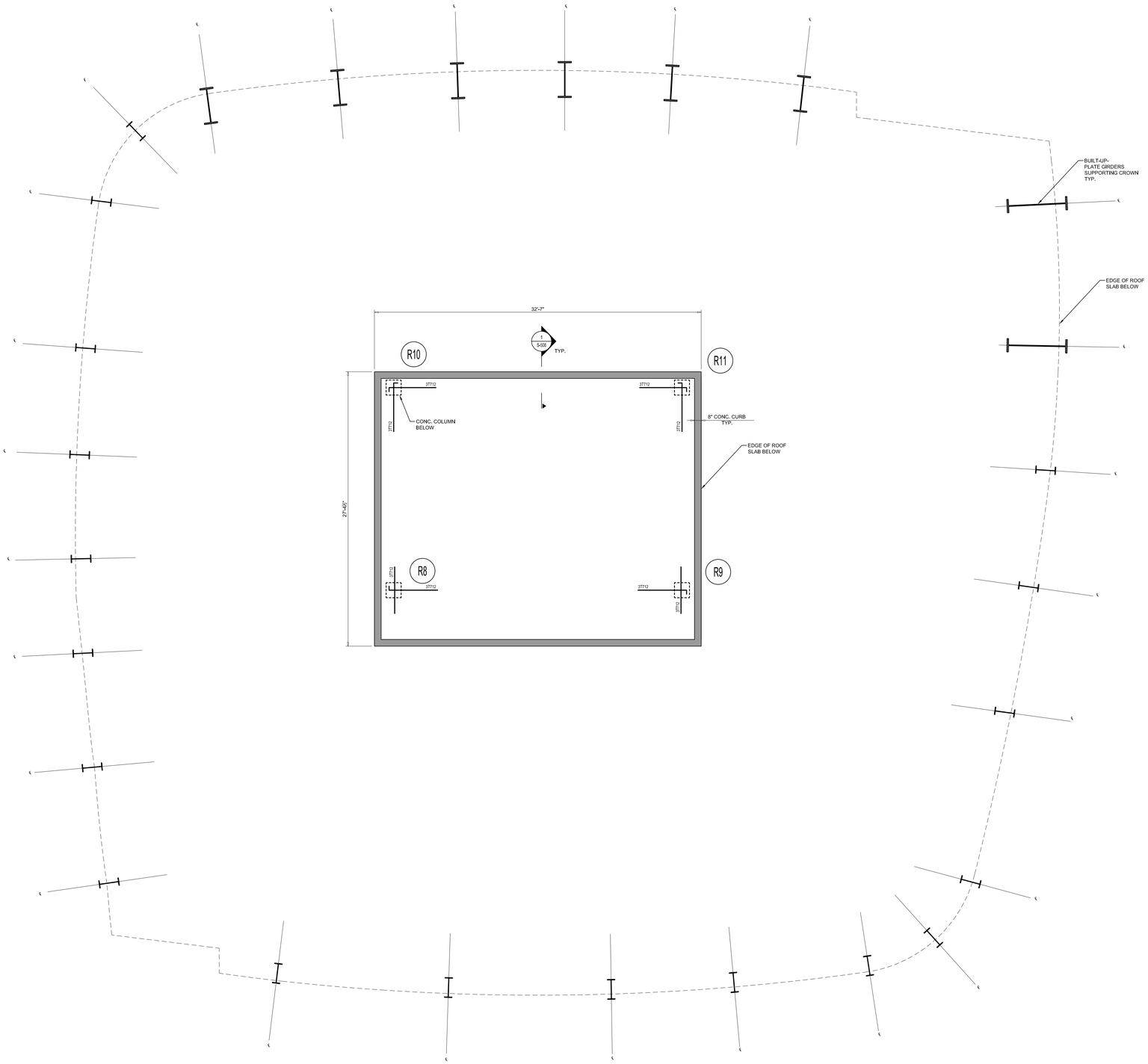
DWG TITLE:
63RD FLOOR PLAN (TMD ROOF)

SEAL & SIGNATURE:
STATE OF NEW YORK — STEPHEN V. DESIMONE — 074935 — LICENSED PROFESSIONAL ENGINEER

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: AS NOTED
DWG NO. S-263.00

T:\PROJECTS\14077.00\CAD\S-263.00.DWG

DEPT OF BLDGS 121323 10 Job Number
E302504000 Scan Code



64TH FLOOR PLAN (SEMR ROOF)
SCALE: 1/4" = 1'-0"

LEGEND:

- DENOTES CONCRETE COLUMN/ WALL
- DENOTES CONCRETE COLUMN BELOW
- DENOTES SLAB OPENING
- UP — DENOTES CONCRETE COLUMN UP
- EG — DENOTES HSS6x4x⅜ ELEVATOR GUIDE BEAM.

TOP OF SLAB ELEVATION U.O.N.: EL. +783'-10 1/2"

SLAB THICKNESS U.O.N.: 12"

SLAB CONCRETE STRENGTH U.O.N.: f ' c = 10KSI

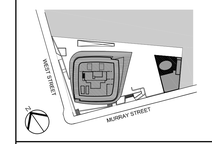
SLAB BASIC BOTTOM BARS U.O.N.: #6@ 12" O.C. E.W.

SLAB TOP BARS (U.O.N.): #6@ 12" O.C. E.W.

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS. S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" + NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. REFER TO ARCH. DWGS. FOR T.O. CURB ELEVATIONS.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
64TH FLOOR PLAN (SEMR ROOF)

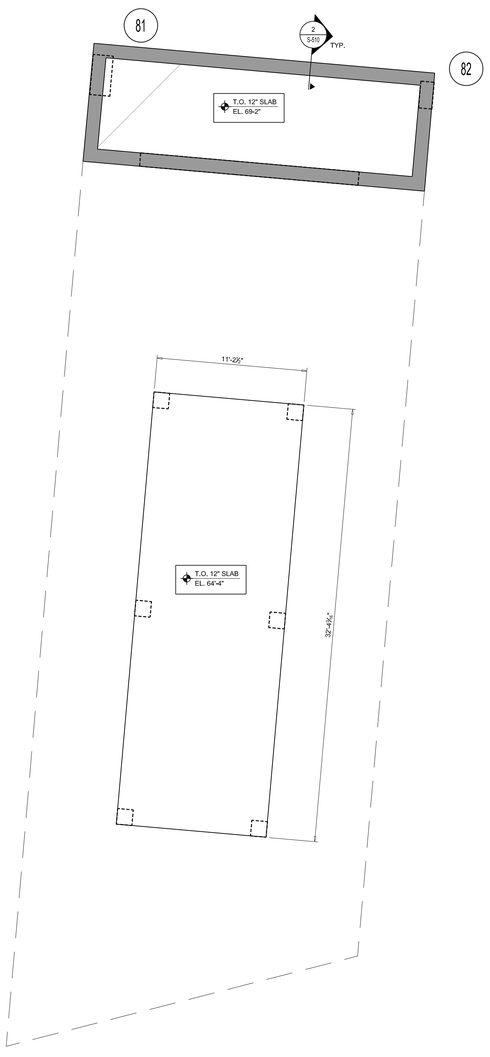
SEAL & SIGNATURE:
STATE OF NEW YORK — Stephen V. Desimone — 074893 — LICENSED PROFESSIONAL ENGINEER

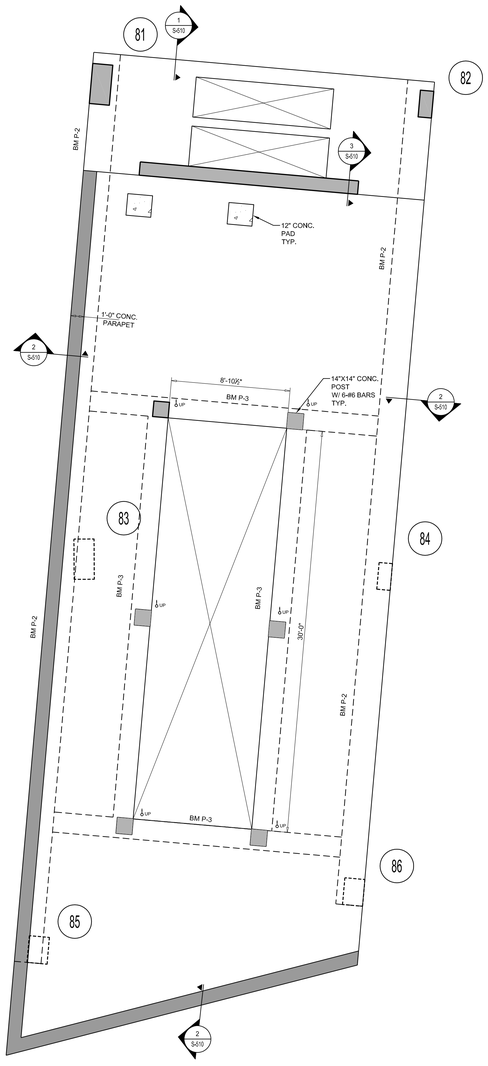
DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	AS NOTED
DWG NO.	S-264.00

OF

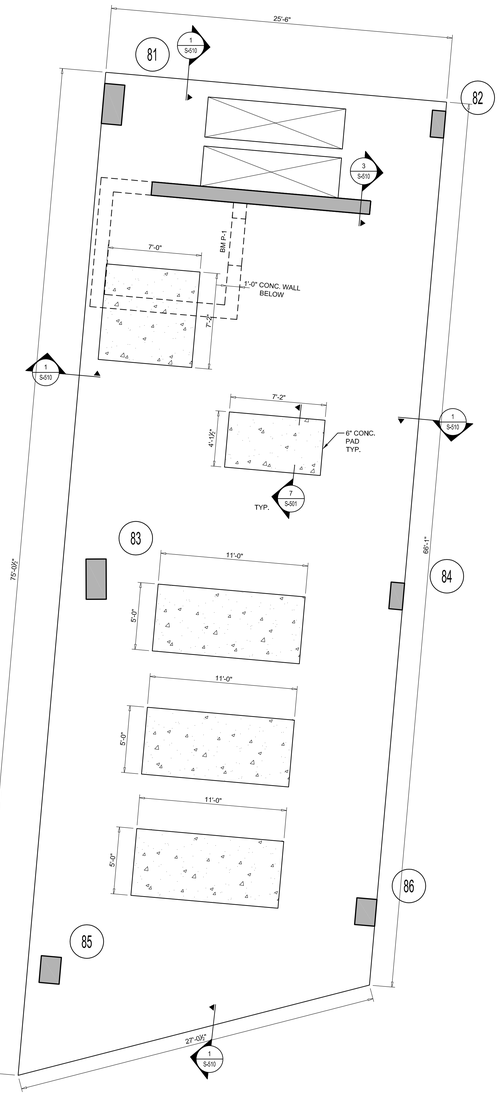
DEPT OF BLDGS 321323.00 Job Number

E507569999.00 Scan Code

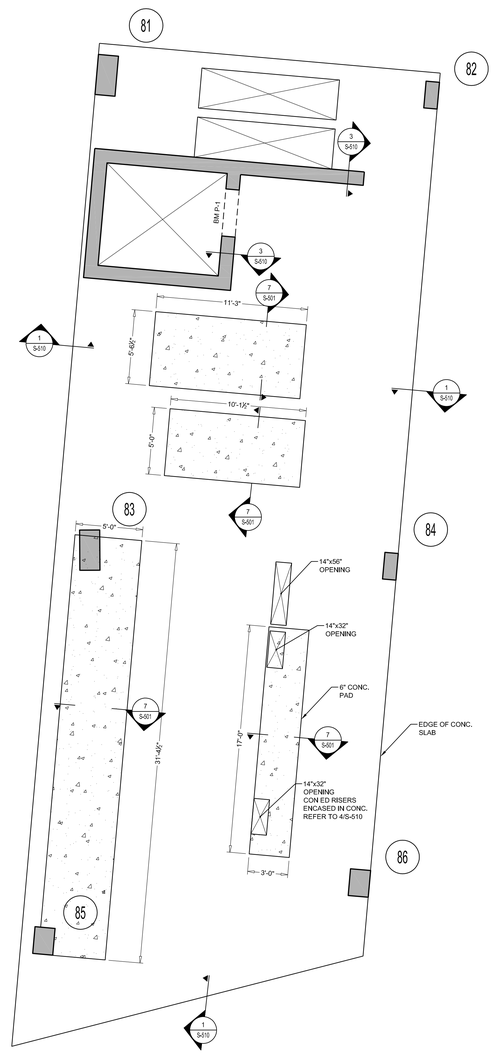




CONCRETE BEAM SCHEDULE						
MARK	SIZE (w x h)	BOTTOM BARS	CONT. TOP BARS	STIRRUPS		REMARKS
				SIZE	SPACING	
BMP-1	12x24	2-#6	2-#6	2L #4	@ 12" O.C.	
BMP-2	24X36	4-#8	4-#8	2L #4	@ 12" O.C.	
BMP-3	18x36	4-#8	4-#8	2L #4	@12" O.C.	



CONCRETE BEAM SCHEDULE						
MARK	SIZE (w x h)	BOTTOM BARS	CONT. TOP BARS	STIRRUPS		REMARKS
				SIZE	SPACING	
BMP-1	12x24	2-#6	2-#6	2L #4	@ 12" O.C.	



CONCRETE BEAM SCHEDULE						
MARK	SIZE (w x h)	BOTTOM BARS	CONT. TOP BARS	STIRRUPS		REMARKS
				SIZE	SPACING	
BMP-1	12x24	2-#6	2-#6	2L #4	@ 12" O.C.	

TOP OF SLAB ELEVATION U.O.N.:	EL. VARIES
SLAB THICKNESS U.O.N.:	12"
SLAB CONCRETE STRENGTH U.O.N.:	f ' c = 10KSI
SLAB BASIC BOTTOM BARS U.O.N.:	#6 @ 12" O.C. E.W.
SLAB TOP BARS (U.O.N.):	#6 @ 12" O.C. E.W.

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS, S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. CONCRETE PAD DIMENSIONS FOR MEP EQUIPMENT SHOWN FOR INFO. ONLY. ALL DIMENSIONS AND LOCATION TO BE FULLY COORDINATED WITH MEP DWGS.

4 PAVILION: BULKHEAD PLAN
SCALE: 1 1/2"=1'-0"

TOP OF SLAB ELEVATION U.O.N.:	EL. +60'-4"
SLAB THICKNESS U.O.N.:	12"
SLAB CONCRETE STRENGTH U.O.N.:	f ' c = 10KSI
SLAB BASIC BOTTOM BARS U.O.N.:	#8 @ 12" O.C. E.W.
SLAB TOP BARS (U.O.N.):	#8 @ 12" O.C. E.W.

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS, S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. CONCRETE PAD DIMENSIONS FOR MEP EQUIPMENT SHOWN FOR INFO. ONLY. ALL DIMENSIONS AND LOCATION TO BE FULLY COORDINATED WITH MEP DWGS.

4 PAVILION: ROOF PLAN
SCALE: 1/4"=1'-0"

TOP OF SLAB ELEVATION U.O.N.:	EL. +44'-0"
SLAB THICKNESS U.O.N.:	12"
SLAB CONCRETE STRENGTH U.O.N.:	f ' c = 10KSI
SLAB BASIC BOTTOM BARS U.O.N.:	#8 @ 12" O.C. E.W.
SLAB TOP BARS (U.O.N.):	#8 @ 12" O.C. E.W.

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS, S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. CONCRETE PAD DIMENSIONS FOR MEP EQUIPMENT SHOWN FOR INFO. ONLY. ALL DIMENSIONS AND LOCATION TO BE FULLY COORDINATED WITH MEP DWGS.

2 PAVILION: 3RD FLOOR PLAN
SCALE: 1/4"=1'-0"

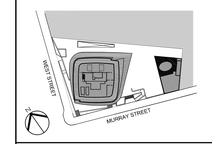
TOP OF SLAB ELEVATION U.O.N.:	EL. +27'-8"
SLAB THICKNESS U.O.N.:	12"
SLAB CONCRETE STRENGTH U.O.N.:	f ' c = 10KSI
SLAB BASIC BOTTOM BARS U.O.N.:	#8 @ 12" O.C. E.W.
SLAB TOP BARS (U.O.N.):	#8 @ 12" O.C. E.W.

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001
2. ALL ELEVATIONS ARE BASED ON N.A.V.D.
3. FOR COLUMN SCHEDULE SEE DRAWINGS S-401 TO S-403.
4. FOR SHEAR WALL PART PLANS, REFER TO DWGS, S-411 TO S-432.
5. FOR TYPICAL CONCRETE DETAILS SEE DRAWINGS S-501 TO S-503
6. OUTERMOST REINFORCING RUNS NORTH-SOUTH DIRECTION.
7. ALL OPENING ARE TAGGED ON PLAN ("EAST-WEST" x NORTH-SOUTH")
8. ALL OPENING LOCATIONS AND SIZES TO BE COORDINATED WITH ARCH & MEP DWGS. NOTIFY ENGINEER OF ANY DISCREPANCIES.
9. ELEVATOR AND STAIR LOCATIONS TO BE COORDINATED WITH ARCH & APPROVED ELEVATOR DRAWINGS.
10. HOIST AND CRANE DESIGN AND CONNECTIONS TO ALL STRUCTURE BY OTHERS. FINAL LOCATION, DIMENSIONS AND LOADS TO BE COORDINATED WITH G.C. AND PROVIDED TO ENGINEER FOR REVIEW OF LOADS IMPOSED ON STRUCTURE.
11. CONCRETE PAD DIMENSIONS FOR MEP EQUIPMENT SHOWN FOR INFO. ONLY. ALL DIMENSIONS AND LOCATION TO BE FULLY COORDINATED WITH MEP DWGS.

1 PAVILION: 2ND FLOOR PLAN
SCALE: 1/4"=1'-0"

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/03/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 1 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
PAVILION 2ND, 3RD & ROOF FLOOR PLANS

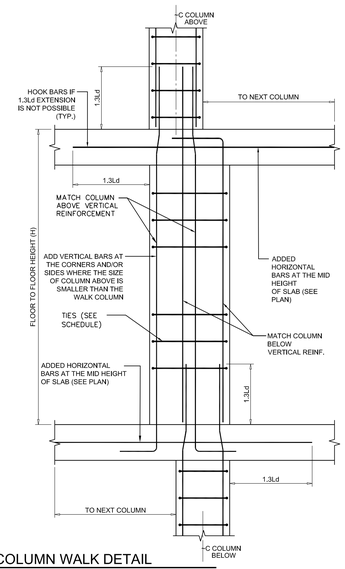
SEAL & SIGNATURE:

STATE OF NEW YORK
SHAUQAT SHAIKH
074933
LICENSED PROFESSIONAL ENGINEER

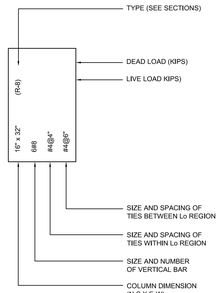
DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	AS NOTED
DWG.NO.	S-302.00
	OF

P:\PROJECTS\14077.00\ARCH\DWG\S302.DWG

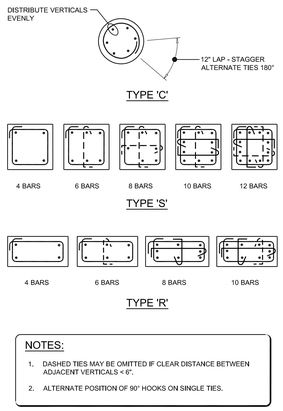
DEPT OF BLDGS 421321.10 Job Number
ES1374500395 Scan Code



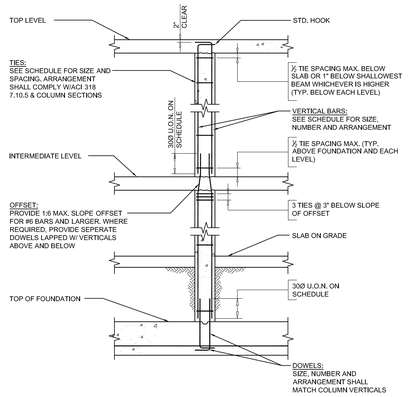
4 TYP. COLUMN WALK DETAIL
SCALE: 1/2"=1'-0"



3 COLUMN SCHEDULE LEGEND
SCALE: 1/2"=1'-0"



2 TYP. CONCRETE COLUMN SECTIONS
SCALE: 1/2"=1'-0"



1 TYP. CONCRETE GRAVITY COLUMN
SCALE: 1/2"=1'-0"

LEVEL \ COLUMN	79	80	81	82	83	84	85	86
Bulkhead								
SEE PLAN Roof MEP			55 24 36x18 14#10 #3@12"	62 28 36x18 14#10 #3@12"				
SEE PLAN 3 MEP			55 24	62 28	55 24 36x18 14#10 #3@12"	62 28 36x18 14#10 #3@12"	52 23 36x18 14#10 #3@12"	38 15 36x18 14#10 #3@12"
SEE PLAN 2 MEP			107 48	122 56	107 48	122 56	122 56	75 30
SEE PLAN Ground	183 84 36X18 14#10 #3@12	183 84 36X18 14#10 #3@12	161 72	183 84 36X18 14#10 #3@12	161 72	183 84 36X18 14#10 #3@12	183 84 36X18 14#10 #3@12	113 45 36X18 14#10 #3@12
SEE PLAN Base			273 248 36x18 14#10 #3@12"		273 248 36x18 14#10 #3@12"			
SEE PLAN								
LEVEL \ COLUMN	79	80	81	82	83	84	85	86

5 PAVILLION CONCRETE COLUMN SCHEDULE

KEY PLAN

Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/03/15	DOCUMENT ISSUE NO.7
	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
CONCRETE COLUMN DETAILS

SEAL & SIGNATURE:
STATE OF NEW YORK
Stephen V. Desimone
074893
LICENSED PROFESSIONAL ENGINEER

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: AS NOTED
DWG NO. S-401.00

PROJECTS:14077.00 DESIGN:07007

DEPT OF BLDGS 421323.00 Job Number
E356467229SS Scan Code

f'c = 14 KSI
Ec = 8,000 KSI

LEVEL \ COLUMN	1	2	3	4	5	51	52	53	54	55	56	57	58	59	6	60	61	62	63	64	65	66	67	68	69	7	70	71	72	73	74	75	76	77	78	8	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11
SEMR Roof-64																																															
32	28x40 2x01 #3@18"																																														
SEE PLAN 31	29x40 2x01 #3@18" 3099 1884		2711 1200		2674 1643																					2386 1265																				
SEE PLAN 30	3194 1890		2789 1205		2748 1646																					2465 1271																				
SEE PLAN 29	3289 1897		2867 1210		2823 1653																					2543 1276																				
SEE PLAN 28	3384 1904		2946 1216		2897 1658																					2622 1282																				
SEE PLAN 27	3479 1911		3024 1221		2972 1663																					2700 1287																				
SEE PLAN 26	29x40 12x11 #4@18" 3595 1918		35x40 12x11 #4@18" 3123 1226		29x40 12x11 #4@18" 3066 1668																					29x40 12x11 #4@18" 2799 1292																				
SEE PLAN 25	48x48 16x11 #4@18" 3729 6169		40x48 16x11 #4@18" 3235 4570		48x48 16x11 #4@18" 3174 6053																					48x48 16x11 #4@18" 2912 4909																				
SEE PLAN 24	3838 6175		3328 4575		3262 6058																					3004 4914																				
SEE PLAN 23	3948 6152		3420 4581		3351 6063																					3097 4920																				
SEE PLAN 22	4057 6189		3512 4586		3440 6068																					3190 4925																				
SEE PLAN 21	4167 6196		3603 4591		3529 6073																					3283 4930																				
SEE PLAN 20	48x48 16x11 #4@18" 4276 6202		40x48 16x11 #4@18" 3696 4596		48x48 16x11 #4@18" 3618 6078																					48x48 16x11 #4@18" 3376 4936																				
SEE PLAN 19	48x48 12x11 #4@18" 4385 6209		48x48 12x18 #4@18" 3789 4602		48x48 12x18 #4@18" 3707 6083																					48x48 12x11 #4@18" 3469 4941																				
SEE PLAN 18	4495 6216		3881 4607		3795 6088																					3562 4946																				
SEE PLAN 17	4604 6223		3974 4612		3884 6093																					3654 4952																				
SEE PLAN 16	48x48 12x11 #4@18" 4714 6230		48x48 12x18 #4@18" 4067 4618		48x48 12x18 #4@18" 3973 6098																					48x48 16x18 #4@18" 3747 4957																				
SEE PLAN 15	50x50 16x11 #4@18" 4829 6236		50x50 16x11 #4@18" 4165 4623		50x50 16x11 #4@18" 4067 6103																					50x50 16x11 #4@18" 3846 4962																				
SEE PLAN 14	4941 6243		4260 4628		4159 6108																					3941 4968																				
SEE PLAN 13	5052 6250		4355 4633		4250 6113																					4036 4973																				
SEE PLAN 12	5164 6257		4450 4639		4341 6117																					4131 4978																				
SEE PLAN 11	5276 6264		4545 4644		4432 6122																					4227 4984																				
SEE PLAN 10	5388 6270		4640 4649		4523 6127																					4322 4989																				
SEE PLAN 9	5500 6277		4735 4655		4615 6132																					4417 4995																				
SEE PLAN 8	5611 6284		4830 4660		4706 6137																					4512 5000																				
SEE PLAN 7	5723 6291		4925 4665		4797 6142																					4608 5005																				
SEE PLAN 6	5835 6298		5020 4670		4888 6147																					4703 5011																				
SEE PLAN 5	5947 6304		5114 4676		4979 6152																					4798 5016																				
SEE PLAN 4	6059 6311		5209 4681		5071 6157																					4893 5021																				
SEE PLAN 3	50x50 16x11 #4@18" 6196 6375		50x50 16x11 #4@18" 5327 4730		50x50 16x11 #4@18" 5184 6204																					50x50 16x11 #4@18" 5012 5072																				
SEE PLAN 2	52x52 16x18 #4@18" 6350 6382		52x52 16x18 #4@18" 5464 4736		52x52 16x18 #4@18" 5318 6209																					52x52 16x18 #4@18" 5149 5077																				
SEE PLAN Ground	6504 6388		5599 4741		5447 6214																					5283 5082																				
SEE PLAN Cellar	52x52 16x18 #4@18" 6852 6401		52x52 16x18 #4@18" 5984 4755		52x52 16x18 #4@18" 5777 6225	36x18 12x8 #3@18" 170 176	36x18 12x8 #3@18" 233 236	36x18 12x8 #3@18" 264 270	36x18 12x8 #3@18" 260 265	36x18 12x8 #3@18" 184 184	36x18 12x8 #3@18" 192 193	36x18 12x8 #3@18" 116 112	36x18 12x8 #3@18" 90 84	36x18 12x8 #3@18" 238 240		36x18 12x8 #3@18" 311 320	36x18 12x8 #3@18" 296 304	36x18 12x8 #3@18" 281 288	36x18 12x8 #3@18" 199 200	36x18 12x8 #3@18" 161 160	36x18 12x8 #3@18" 236 240	36x18 12x8 #3@18" 293 300	36x18 12x8 #3@18" 188 188	36x18 12x8 #3@18" 263 268	36x18 12x8 #3@18" 244 248	52x52 16x18 #4@18" 5589 5093	36x18 12x8 #3@18" 195 196	36x18 12x8 #3@18" 139 136	36x18 12x8 #3@18" 214 216	36x18 12x8 #3@18" 308 316	36x18 12x8 #3@18" 210 212	36x18 12x8 #3@18" 140 144	36x18 12x8 #3@18" 173 172	36x18 12x8 #3@18" 109 104	36x18 12x8 #3@18" 128 124														
SEE PLAN																																														

LEVEL \ COLUMN	1	2	3	4	5	51	52	53	54	55	56	57	58	59	6	60	61	62	63	64	65	66	67	68	69	7	70	71	72	73	74	75	76	77	78	8	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11

KEY PLAN

Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/03/15	DOCUMENT ISSUE NO.7
	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 1 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
COLUMN SCHEDULE I

SEAL & SIGNATURE:
STATE OF NEW YORK
SHAUQAT SHAIKH
074933
LICENSED PROFESSIONAL ENGINEER

DATE:	05/15/14
PROJECT #:	14077.00
SCALE:	AS NOTED
DWG NO.	S-402.00
	OF

1:\PROJECTS\14077.00\CM\S402R07

DEPT OF BLDGS 401323.00 Job Number
E537/375470 Scan Code

f'c = 12 KSI
Ec = 8,000 KSI

F'c = 14 KSI
Ec = 8,000 KSI

LEVEL \ COLUMN	1	2	3	4	5	51	52	53	54	55	56	57	58	59	6	60	61	62	63	64	65	66	67	68	69	7	70	71	72	73	74	75	76	77	78	8	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11
SEMR Roof-64																																															
SEE PLAN RMD Roof-63																																												140 10 24X24 1987 #3@12"	140 10 24X24 1987 #3@12"	140 10 24X24 1987 #3@12"	140 10 24X24 1987 #3@12"
SEE PLAN SEMR-62																																				140 10 24X24 1987 #3@12"		140 10 24X24 1987 #3@12"					236 17 24X24 1987 #3@12"	236 17 24X24 1987 #3@12"	236 17 24X24 1987 #3@12"	236 17 24X24 1987 #3@12"
SEE PLAN Bulkhead-61																																				236 17 24X24 1987 #3@12"			236 17					236 17 24X24 1987 #3@12"	236 17 24X24 1987 #3@12"	236 17 24X24 1987 #3@12"	236 17 24X24 1987 #3@12"
SEE PLAN Roof-60																																				236 17 24X24 1987 #3@12"				140 10 24X24 1987 #3@12"	140 10 24X24 1987 #3@12"	140 10 24X24 1987 #3@12"	140 10 24X24 1987 #3@12"				
SEE PLAN 59	190 14 34D 1987 #3@14"	172 13 34D 1987 #3@14"	168 12 34D 1987 #3@14"	187 14 34D 1987 #3@14"	168 12 34D 1987 #3@14"										140 10 34D 1987 #3@14"										140 10 34D 1987 #3@14"									168 12 34D 1987 #3@14"											
SEE PLAN 58	318 23	287 21	282 21	312 23	281 21										236 17											236 17									282 21											
SEE PLAN 57	318 23	287 21	282 21	312 23	281 21										236 17											236 17									282 21											
SEE PLAN 56	446 32	403 29	396 28	438 31	395 28										332 24											332 24									396 28											
SEE PLAN 55	564 40	510 36	500 35	554 39	499 35										419 30											420 30									500 35											
SEE PLAN 54	699 47	633 43	622 42	687 47	620 42										522 36											523 36									622 42											
SEE PLAN 53	823 55	745 50	732 49	809 54	730 49										615 41											616 41									732 49											
SEE PLAN 52	947 62	858 57	843 55	931 61	841 55										708 47											709 47									843 55											
SEE PLAN 51	1072 70	970 63	953 62	1053 69	951 62										801 52											802 52									953 62											
SEE PLAN 50	1197 77	1084 70	1065 69	1177 76	1062 69										895 57											896 57									1065 69											
SEE PLAN 49	1334 1754	1197 970	1187 1092	1300 1050	1183 1536										988 666											998 1169									1176 1175											
SEE PLAN 48	1434 1762	1288 977	1276 1099	1398 1058	1273 1544										1064 671											1074 1174									1266 1182											
SEE PLAN 47	1534 1769	1379 984	1366 1105	1497 1065	1362 1551										1139 678											1150 1180									1355 1189											
SEE PLAN 46	1634 1777	1470 990	1455 1112	1595 1072	1451 1558										1215 682 #3@12"											1225 1185									1445 1195											
SEE PLAN 45	1734 1784	1561 997	1544 1118	1694 1080	1540 1564										1290 687											1301 1190									1534 1202											
SEE PLAN 44	1834 1792	1651 1004	1634 1125	1792 1087	1629 1571										1366 693											1377 1196									1623 1208											
SEE PLAN 43	1934 1799	1742 1010	1723 1131	1891 1095	1718 1577										1441 698											1452 1201									1713 1215											
SEE PLAN 42	2034 1807	1833 1017	1813 1138	1989 1102	1807 1584										1517 703											1528 1206									1802 1221											
SEE PLAN 41	2134 1814	1924 1024	1902 1144	2088 1109	1896 1590										1592 709											1603 1212									1892 1228											
SEE PLAN 40	2234 1822 34X9 1987 #3@14"	2015 1031 34X9 1987 #3@14"	1991 1151 34X9 1987 #3@14"	2186 1117 34X9 1987 #3@14"	1985 1597 34X9 1987 #3@14"										1668 714 34X9 1987 #3@14"											1679 1217 34X9 1987 #3@14"									1981 1234 34X9 1987 #3@14"											
SEE PLAN 39	2334 1829	2108 1037 28x40 1987 #3@18"	2081 1158	2294 1124 22x40 2087 #4@18"	2074 1604										1743 719 22x40 2087 #4@18"											1755 1223 22x40 2087 #4@18"									2070 1241 22x40 2087 #4@18"											
SEE PLAN 38	2431 1836		2161 1163		2150 1608																					1835 1228 28x40 2087 #4@18"																					
SEE PLAN 37	2526 1843		2239 1168		2225 1613																					1913 1233																					
SEE PLAN 36	2622 1850		2317 1173		2299 1618																					1992 1239																					
SEE PLAN 35	2717 1856		2396 1179		2374 1623																					2070 1244																					
SEE PLAN 34	2812 1863		2474 1184		2448 1628																					2149 1249																					
SEE PLAN 33	2909 1670 28x40 2087 #3@18"		2554 1189		2525 1633																					2229 1255																					
SEE PLAN 32	3004 1677 28x40 2087 #4@14"		2632 1195		2599 1638																					2308 1260																					
SEE PLAN 1"	3099 1884		2711 1200		2674 1643																					2386 1265																					

KEY PLAN

Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/03/15	DOCUMENT ISSUE NO.7
	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
COLUMN SCHEDULE II

SEAL & SIGNATURE:
STATE OF NEW YORK
Stephen V. Desimone
074933
LICENSED PROFESSIONAL ENGINEER

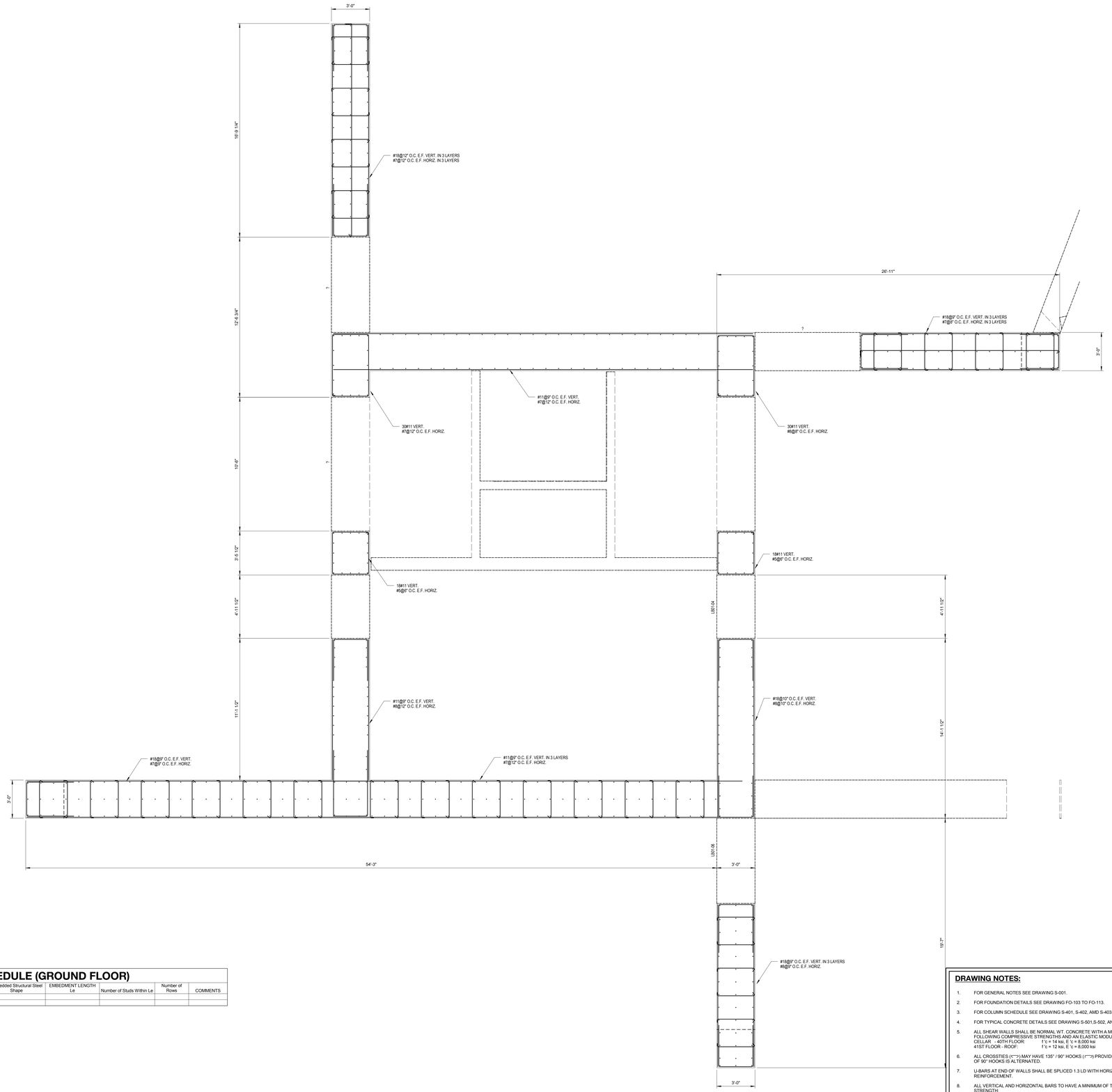
DATE: 09/15/14
PROJECT #: 14077.00
SCALE: AS NOTED

S-403.00
DWG NO.

OF

T:\PROJECTS\14077.00\CAD\S403.DWG

DEPT OF BLDGS 421323.00 Job Number
E3305377735 Scan Code



SHEAR WALL SUPPORTING GROUND FLOOR

SCALE: 3/8" = 1'-0"

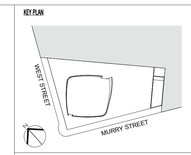
LINK BEAM SCHEDULE (GROUND FLOOR)

MARK	SIZE (w x h)	BOTTOM BARS	CONT. TOP BARS	STIRRUPS	Embedded Structural Steel Shape	EMBEDMENT LENGTH Le	Number of Studs Within Le	Number of Rows	COMMENTS
LB01-04	36x98								
LB01-06	36x98								

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. FOR FOUNDATION DETAILS SEE DRAWING FO-103 TO FO-113.
3. FOR COLUMN SCHEDULE SEE DRAWING S-401, S-402, AMD S-403.
4. FOR TYPICAL CONCRETE DETAILS SEE DRAWING S-501,S-502, AND S-503.
5. ALL SHEAR WALLS SHALL BE NORMAL WT. CONCRETE WITH A MINIMUM OF THE FOLLOWING COMPRESSIVE STRENGTHS AND AN ELASTIC MODULUS:
   CELLAR - 40TH FLOOR: f'c = 14 ksi, E'c = 8,000 ksi
   41ST FLOOR - ROOF: f'c = 12 ksi, E'c = 8,000 ksi
6. ALL CROSSTIES (⊂⊃) MAY HAVE 135° / 90° HOOKS (⌐¬) PROVIDED POSITION OF 90° HOOKS IS ALTERNATED.
7. U-BARS AT END OF WALLS SHALL BE SPLICED 1.3 LD WITH HORIZONTAL REINFORCEMENT.
8. ALL VERTICAL AND HORIZONTAL BARS TO HAVE A MINIMUM OF THE FOLLOWING YIELD STRENGTH:
   #3 TO #8: fy = 60 ksi
   #9 AND GREATER: fy = 80 ksi
9. DETAILER TO CHECK ALL BAR CLEARANCES.
10. BOTTOM MOST AND TOP MOST LAYER OF REINFORCING TO RUN NORTH-SOUTH DIRECTION.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 3 of 1975
Date: 09/10/2015
NYC Development Hub

DWG TITLE:
SHEAR WALL PART PLAN I

SEAL & SIGNATURE:

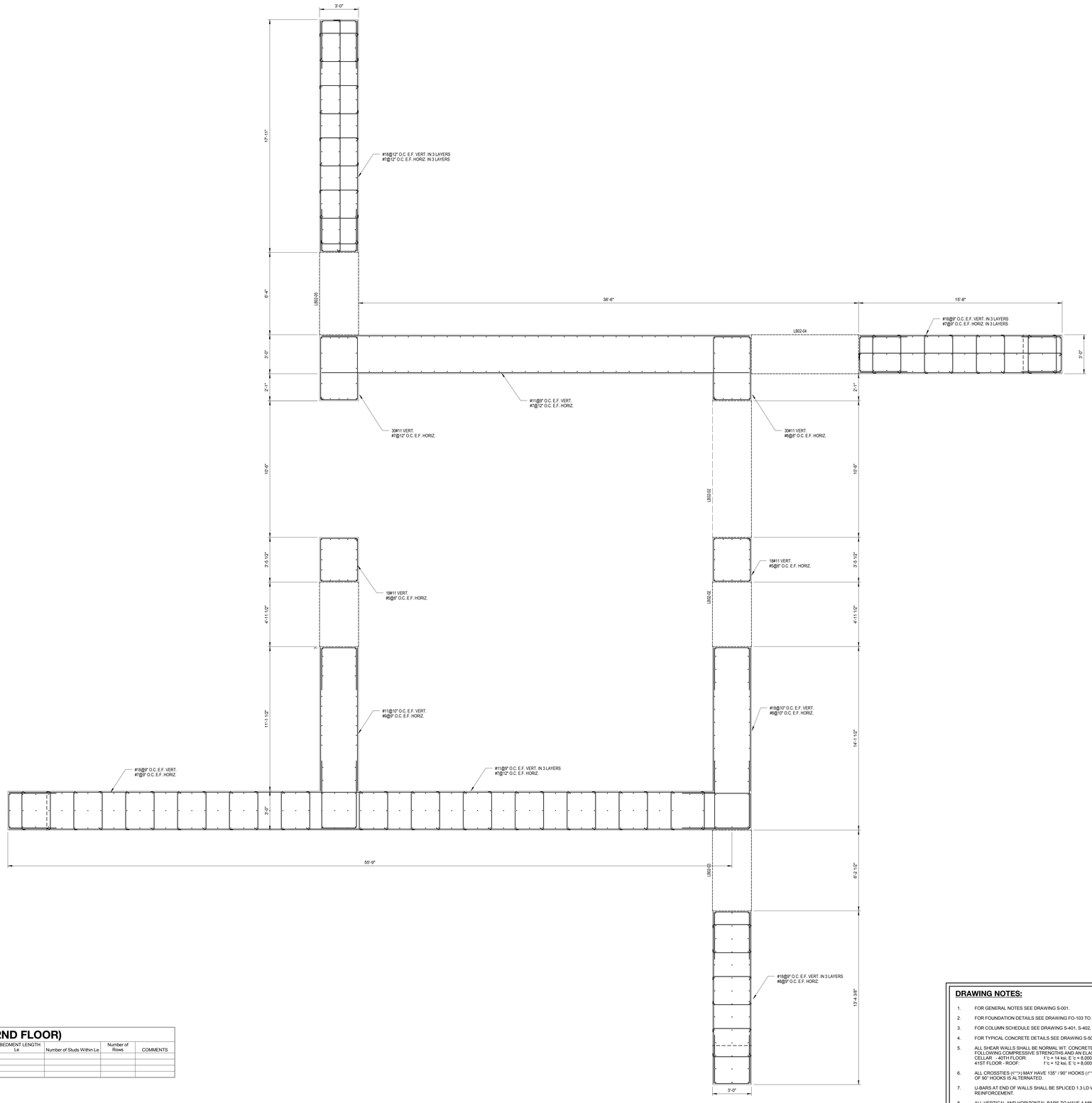
STATE OF NEW YORK
Steven V. Desimone
074853
LICENSED PROFESSIONAL ENGINEER

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	As indicated

S-411.00

DWG NO.

DEPT OF BLDGS 421323.00 Job Number
E-Scan Code



SHEAR WALL SUPPORTING 2ND FLOOR

SCALE: 3/8" = 1'-0"

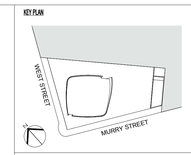
LINK BEAM SCHEDULE (2ND FLOOR)

MARK	SIZE (w x h)	BOTTOM BARS	CONT. TOP BARS	STIRRUPS	Embedded Structural Steel Shape	EMBEDMENT LENGTH Le	Number of Studs Within Le	Number of Rows	COMMENTS
LB02-02	36x84								
LB02-03	36x84								
LB02-04	36x84								
LB02-05	36x84								

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. FOR FOUNDATION DETAILS SEE DRAWING FO-103 TO FO-113.
3. FOR COLUMN SCHEDULE SEE DRAWING S-401, S-402, AMD S-403.
4. FOR TYPICAL CONCRETE DETAILS SEE DRAWING S-501,S-502, AND S-503.
5. ALL SHEAR WALLS SHALL BE NORMAL WT. CONCRETE WITH A MINIMUM OF THE FOLLOWING COMPRESSIVE STRENGTHS AND AN ELASTIC MODULUS:
   CELLAR – 40TH FLOOR: f'c = 14 ksi, E 'c = 8,000 ksi
   41ST FLOOR - ROOF: f 'c = 12 ksi, E 'c = 8,000 ksi
6. ALL CROSSTIES (<—>) MAY HAVE 135° / 90° HOOKS (⌐—⌐) PROVIDED POSITION OF 90° HOOKS IS ALTERNATED.
7. U-BARS AT END OF WALLS SHALL BE SPLICED 1.3 LD WITH HORIZONTAL REINFORCEMENT.
8. ALL VERTICAL AND HORIZONTAL BARS TO HAVE A MINIMUM OF THE FOLLOWING YIELD STRENGTH:
   #3 TO #8: fy = 60 ksi
   #9 AND GREATER: fy = 80 ksi
9. DETAILER TO CHECK ALL BAR CLEARANCES.
10. BOTTOM MOST AND TOP MOST LAYER OF REINFORCING TO RUN NORTH-SOUTH DIRECTION.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 1 of 1975
Date: 05/26/2015
NYC Development Hub

DWG TITLE:
SHEAR WALL PART PLAN II

SEAL & SIGNATURE:

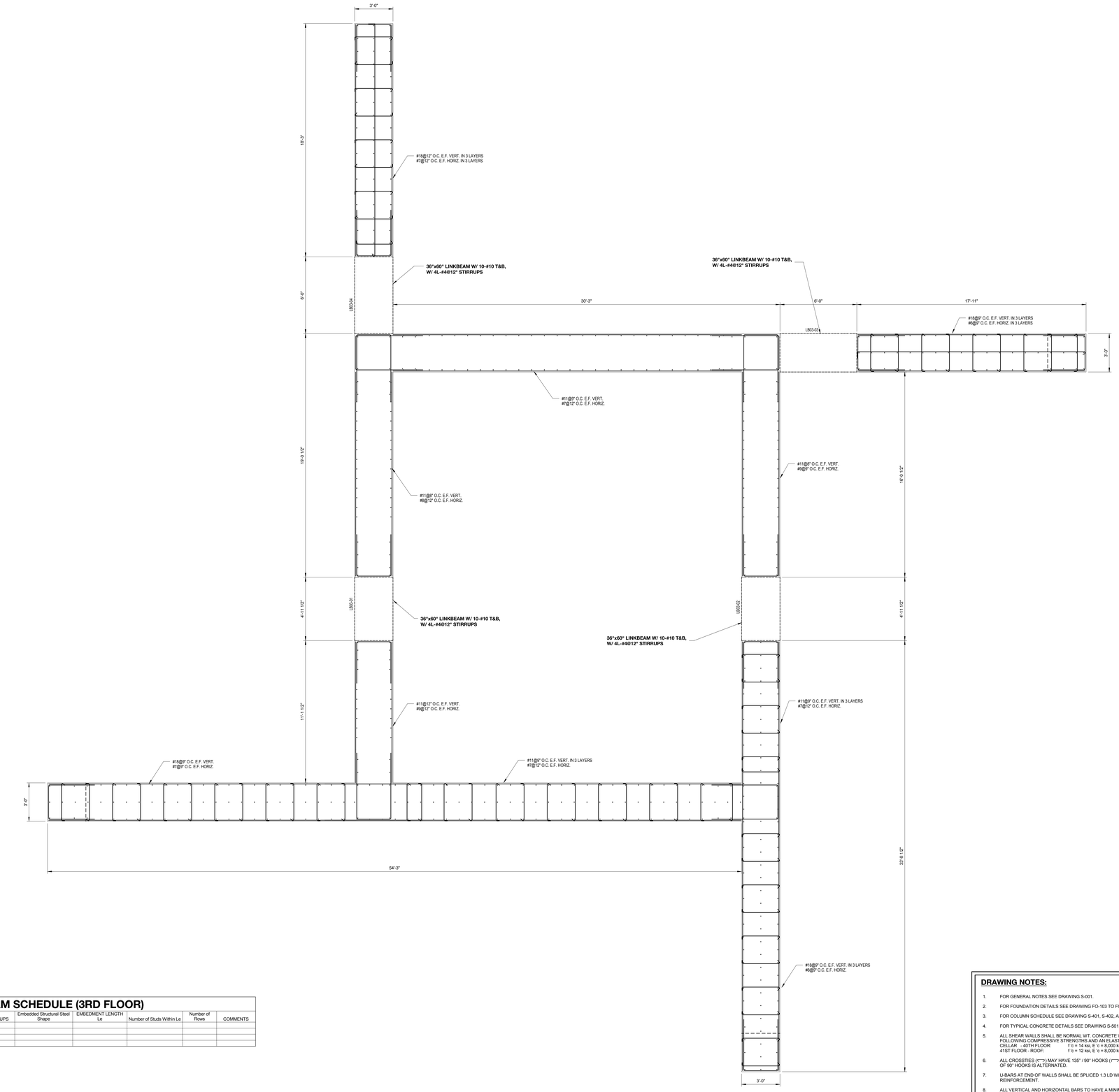
DATE: **09/15/14**
PROJECT #: **14077.00**
SCALE: **As indicated**

S-412.00

DWG NO.

STATE OF NEW YORK
074933
LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 421323.00 Job Number
ES2456813290 Scan Code



SHEAR WALL SUPPORTING 3RD FLOOR

SCALE: 3/8" = 1'-0"

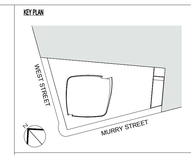
LINK BEAM SCHEDULE (3RD FLOOR)

MARK	SIZE (w x h)	BOTTOM BARS	CONT. TOP BARS	STIRRUPS	Embedded Structural Steel Shape	EMBEDMENT LENGTH Le	Number of Studs Within Le	Number of Rows	COMMENTS
LB03-01	36x60								
LB03-02	36x60								
LB03-03	36x60								
LB03-04	36x60								

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. FOR FOUNDATION DETAILS SEE DRAWING FO-103 TO FO-113.
3. FOR COLUMN SCHEDULE SEE DRAWING S-401, S-402, AMD S-403.
4. FOR TYPICAL CONCRETE DETAILS SEE DRAWING S-501,S-502, AND S-503.
5. ALL SHEAR WALLS SHALL BE NORMAL WT. CONCRETE WITH A MINIMUM OF THE FOLLOWING COMPRESSIVE STRENGTHS AND AN ELASTIC MODULUS:
   CELLAR - 40TH FLOOR: f'c = 14 ksi, E 'c = 8,000 ksi
   41ST FLOOR - ROOF: f 'c = 12 ksi, E 'c = 8,000 ksi
6. ALL CROSSTIES (⊂⊃) MAY HAVE 135° / 90° HOOKS (⊂⁀⊃) PROVIDED POSITION OF 90° HOOKS IS ALTERNATED.
7. U-BARS AT END OF WALLS SHALL BE SPLICED 1.3 LD WITH HORIZONTAL REINFORCEMENT.
8. ALL VERTICAL AND HORIZONTAL BARS TO HAVE A MINIMUM OF THE FOLLOWING YIELD STRENGTH:
   #3 TO #8: fy = 60 ksi
   #9 AND GREATER: fy = 80 ksi
9. DETAILER TO CHECK ALL BAR CLEARANCES.
10. BOTTOM MOST AND TOP MOST LAYER OF REINFORCING TO RUN NORTH-SOUTH DIRECTION.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 3 of 1975
Date: 05/20/2015
NYC Development Hub

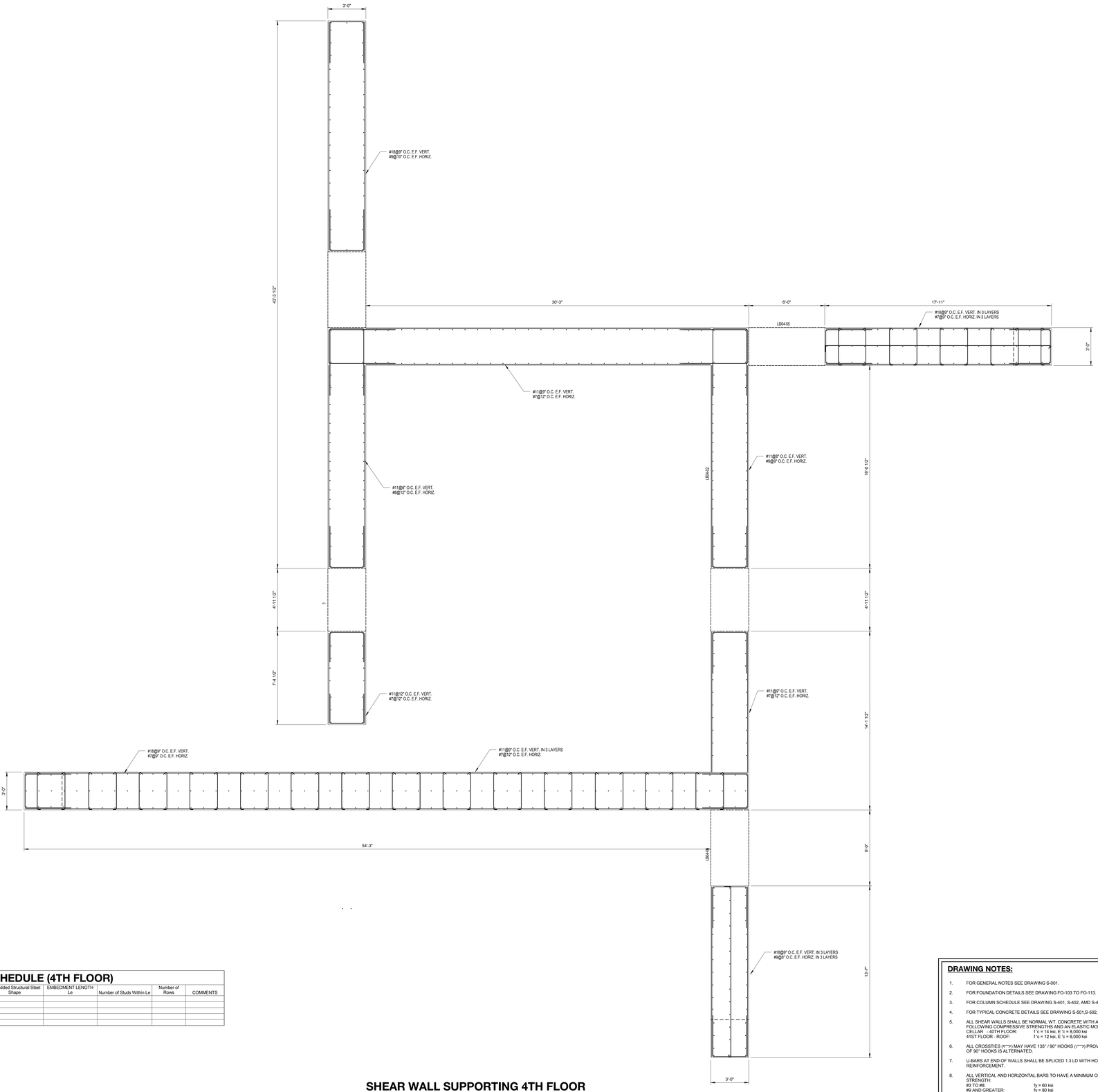
DWG TITLE:
SHEAR WALL PART PLAN III

SEAL & SIGNATURE:

STATE OF NEW YORK
Steven V. Desimone
LICENSED PROFESSIONAL ENGINEER
074853

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated
DWG NO: S-413.00

DEPT OF BLDGS 121323.00 Job Number
E3954874453 Scan Code



SHEAR WALL SUPPORTING 4TH FLOOR

SCALE: 3/8" = 1'-0"

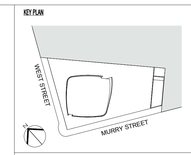
LINK BEAM SCHEDULE (4TH FLOOR)

MARK	SIZE (w x h)	BOTTOM BARS	CONT. TOP BARS	STIRRUPS	Embedded Structural Steel Shape	EMBEDMENT LENGTH Le	Number of Studs Within Le	Number of Rows	COMMENTS
LB04-02	36x156								
LB04-03	36x156								
LB04-04	36x156								
LB04-05	36x156								
LB04-06	36x156								

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. FOR FOUNDATION DETAILS SEE DRAWING FO-103 TO FO-113.
3. FOR COLUMN SCHEDULE SEE DRAWING S-401, S-402, AMD S-403.
4. FOR TYPICAL CONCRETE DETAILS SEE DRAWING S-501,S-502, AND S-503.
5. ALL SHEAR WALLS SHALL BE NORMAL WT. CONCRETE WITH A MINIMUM OF THE FOLLOWING COMPRESSIVE STRENGTHS AND AN ELASTIC MODULUS:
   CELLAR - 40TH FLOOR: f'c = 14 ksi, E 'c = 8,000 ksi
   41ST FLOOR - ROOF: f 'c = 12 ksi, E 'c = 8,000 ksi
6. ALL CROSSTIES (⊂⊃) MAY HAVE 135° / 90° HOOKS (⌐¬) PROVIDED POSITION OF 90° HOOKS IS ALTERNATED.
7. U-BARS AT END OF WALLS SHALL BE SPLICED 1.3 LD WITH HORIZONTAL REINFORCEMENT.
8. ALL VERTICAL AND HORIZONTAL BARS TO HAVE A MINIMUM OF THE FOLLOWING YIELD STRENGTH:
   #3 TO #5: fy = 60 ksi
   #9 AND GREATER: fy = 80 ksi
9. DETAILER TO CHECK ALL BAR CLEARANCES.
10. BOTTOM MOST AND TOP MOST LAYER OF REINFORCING TO RUN NORTH-SOUTH DIRECTION.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/20/2015
NYC Development Hub

DWG TITLE:
SHEAR WALL PART PLAN IV

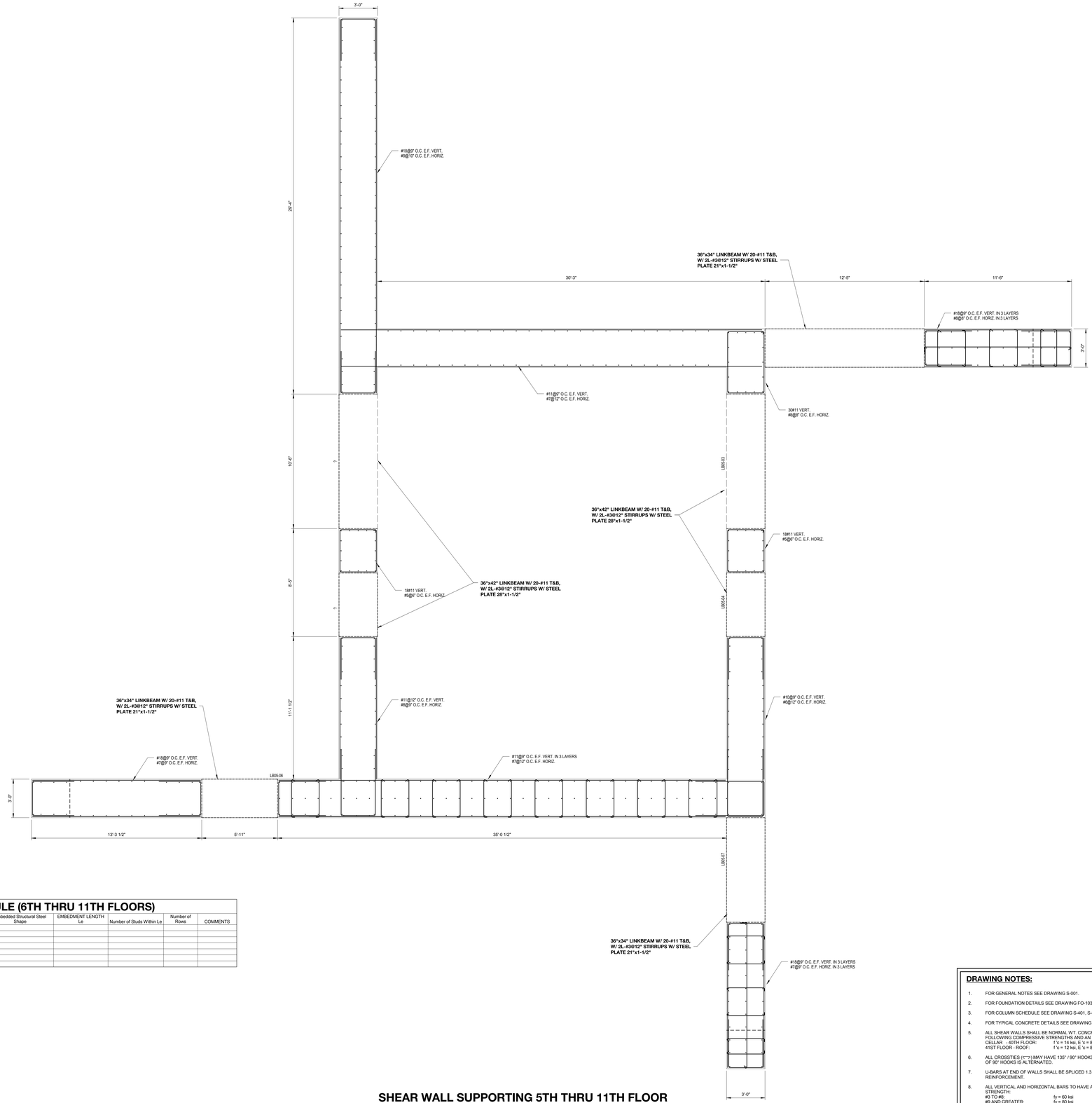
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated

S-414.00

DWG NO.

DEPT OF BLDGS 421323.00 Job Number
ESIGYAWA0285 Scan Code



SHEAR WALL SUPPORTING 5TH THRU 11TH FLOOR

SCALE: 3/8" = 1'-0"

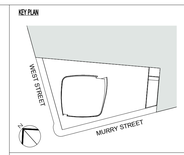
LINK BEAM SCHEDULE (6TH THRU 11TH FLOORS)

MARK	SIZE (w x h)	BOTTOM BARS	CONT. TOP BARS	STIRRUPS	Embedded Structural Steel Shape	EMBEDMENT LENGTH Le	Number of Studs Within Le	Number of Rows	COMMENTS
LB05-01	36x42								
LB05-02	36x42								
LB05-03	36x42								
LB05-04	36x42								
LB05-05	36x34								
LB05-06	36x34								
LB05-07	36x34								

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. FOR FOUNDATION DETAILS SEE DRAWING FO-103 TO FO-113.
3. FOR COLUMN SCHEDULE SEE DRAWING S-401, S-402, AMD S-403.
4. FOR TYPICAL CONCRETE DETAILS SEE DRAWING S-501,S-502, AND S-503.
5. ALL SHEAR WALLS SHALL BE NORMAL WT. CONCRETE WITH A MINIMUM OF THE FOLLOWING COMPRESSIVE STRENGTHS AND AN ELASTIC MODULUS:
   CELLAR - 40TH FLOOR: f'c = 14 ksi, E'c = 8,000 ksi
   41ST FLOOR - ROOF: f'c = 12 ksi, E'c = 8,000 ksi
6. ALL CROSSTIES (⊂⊃) MAY HAVE 135° / 90° HOOKS (⊂⌐) PROVIDED POSITION OF 90° HOOKS IS ALTERNATED.
7. U-BARS AT END OF WALLS SHALL BE SPLICED 1.3 LD WITH HORIZONTAL REINFORCEMENT.
8. ALL VERTICAL AND HORIZONTAL BARS TO HAVE A MINIMUM OF THE FOLLOWING YIELD STRENGTH:
   #3 TO #8: fy = 60 ksi
   #9 AND GREATER: fy = 80 ksi
9. DETAILER TO CHECK ALL BAR CLEARANCES.
10. BOTTOM MOST AND TOP MOST LAYER OF REINFORCING TO RUN NORTH-SOUTH DIRECTION.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SHEAR WALL PART PLAN V

SEAL & SIGNATURE:

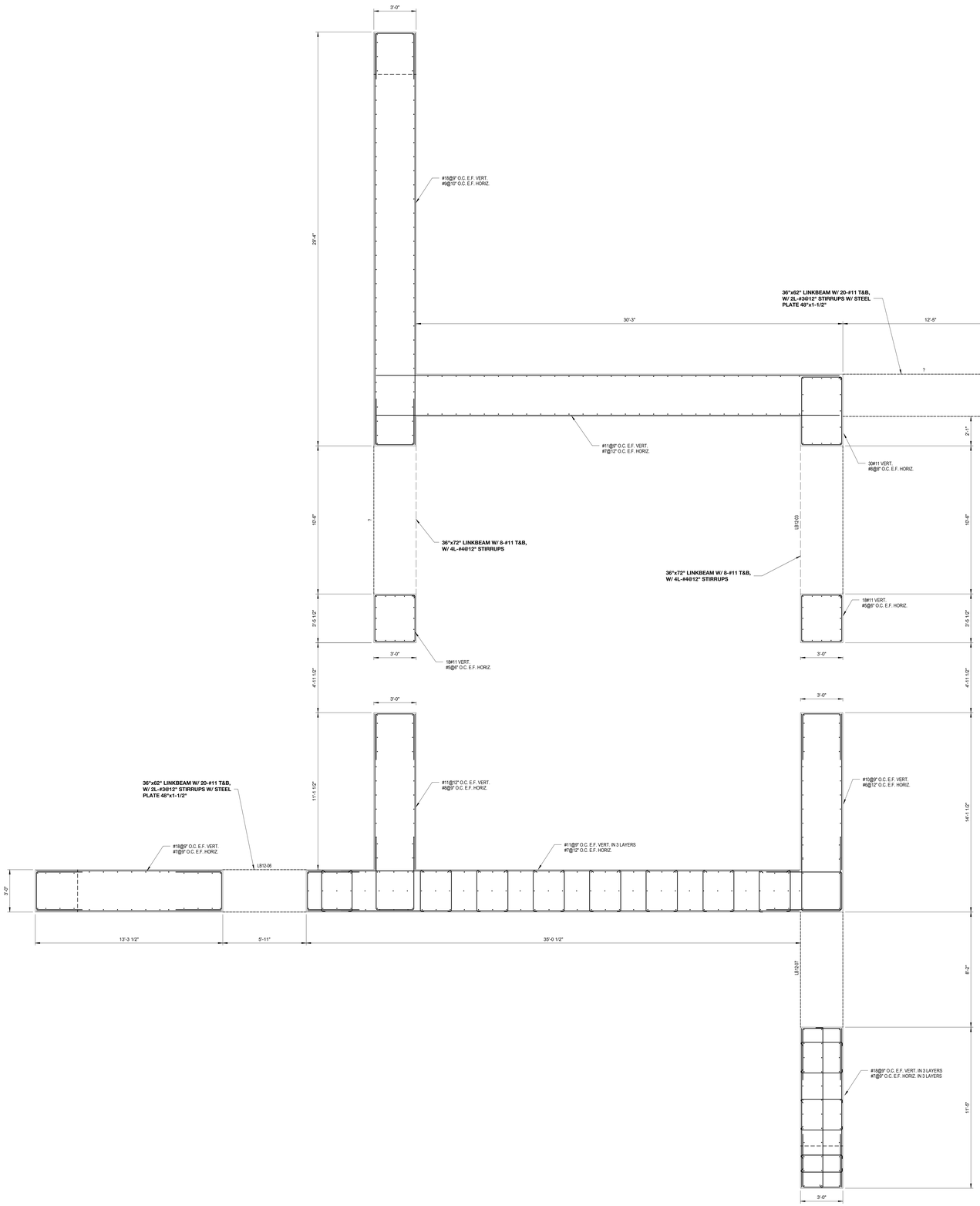
DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated

S-415.00

DWG NO:

STATE OF NEW YORK
SHAUGAT A. SHAIKH
074935
LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 421323.00 Job Number
E3975437235 Scan Code



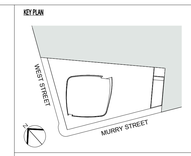
SHEAR WALL SUPPORTING 12TH FLOORS

SCALE: 3/8" = 1'-0"

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. FOR FOUNDATION DETAILS SEE DRAWING FO-103 TO FO-113.
3. FOR COLUMN SCHEDULE SEE DRAWING S-401, S-402, AMD S-403.
4. FOR TYPICAL CONCRETE DETAILS SEE DRAWING S-501,S-502, AND S-503.
5. ALL SHEAR WALLS SHALL BE NORMAL WT. CONCRETE WITH A MINIMUM OF THE FOLLOWING COMPRESSIVE STRENGTHS AND AN ELASTIC MODULUS:
   CELLAR - 40TH FLOOR: f'c = 14 ksi, E 'c = 8,000 ksi
   41ST FLOOR - ROOF: f 'c = 12 ksi, E 'c = 8,000 ksi
6. ALL CROSSTIES (⊢⊣) MAY HAVE 135° / 90° HOOKS (⊢⊐) PROVIDED POSITION OF 90° HOOKS IS ALTERNATED.
7. U-BARS AT END OF WALLS SHALL BE SPLICED 1.3 LD WITH HORIZONTAL REINFORCEMENT.
8. ALL VERTICAL AND HORIZONTAL BARS TO HAVE A MINIMUM OF THE FOLLOWING YIELD STRENGTH:
   #3 TO #6: fy = 60 ksi
   #9 AND GREATER: fy = 60 ksi
9. DETAILER TO CHECK ALL BAR CLEARANCES.
10. BOTTOM MOST AND TOP MOST LAYER OF REINFORCING TO RUN NORTH-SOUTH DIRECTION.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 1 of 1975
Date: 09/24/2015
NYC Development Hub

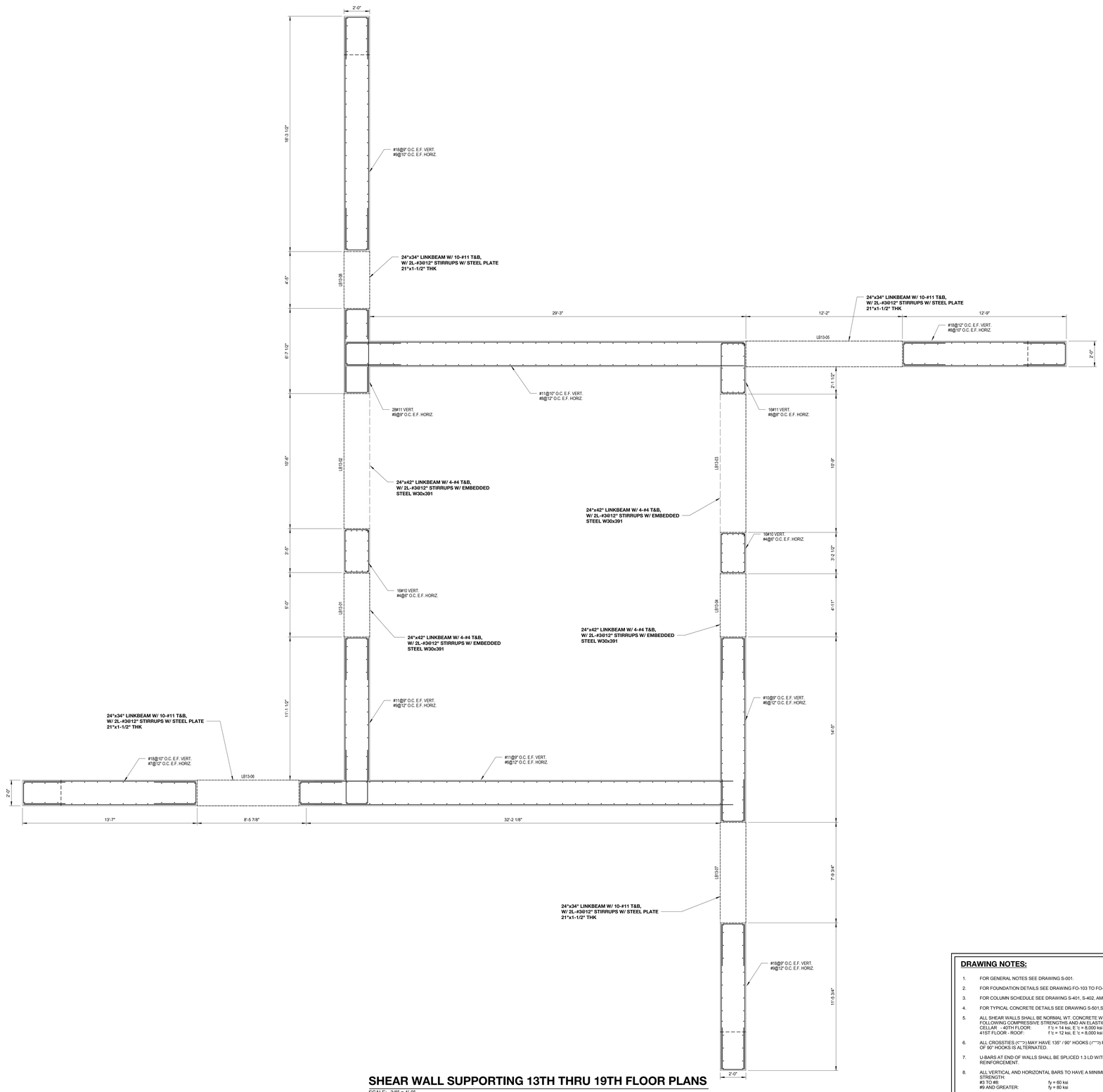
DWG TITLE:
SHEAR WALL PART PLAN VI

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated
S-416.00
DWG NO.

STATE OF NEW YORK
Stephen V. Desimone
074933
LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 421323.00 Job Number
ES7422972460 Scan Code



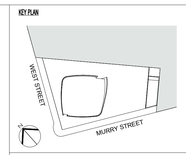
SHEAR WALL SUPPORTING 13TH THRU 19TH FLOOR PLANS

SCALE: 3/8" = 1'-0"

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. FOR FOUNDATION DETAILS SEE DRAWING FO-103 TO FO-113.
3. FOR COLUMN SCHEDULE SEE DRAWING S-401, S-402, AND S-403.
4. FOR TYPICAL CONCRETE DETAILS SEE DRAWING S-501,S-502, AND S-503.
5. ALL SHEAR WALLS SHALL BE NORMAL WT. CONCRETE WITH A MINIMUM OF THE FOLLOWING COMPRESSIVE STRENGTHS AND AN ELASTIC MODULUS:
   CELLAR - 40TH FLOOR: f'c = 14 ksi, E 'c = 8,000 ksi
   41ST FLOOR - ROOF: f 'c = 12 ksi, E 'c = 8,000 ksi
6. ALL CROSSTIES (<⁻⁻>) MAY HAVE 135° / 90° HOOKS (⌐⁻⁻⌐) PROVIDED POSITION OF 90° HOOKS IS ALTERNATED.
7. U-BARS AT END OF WALLS SHALL BE SPLICED 1.3 LD WITH HORIZONTAL REINFORCEMENT.
8. ALL VERTICAL AND HORIZONTAL BARS TO HAVE A MINIMUM OF THE FOLLOWING YIELD STRENGTH:
   #3 TO #8: fy = 60 ksi
   #9 AND GREATER: fy = 80 ksi
9. DETAILER TO CHECK ALL BAR CLEARANCES.
10. BOTTOM MOST AND TOP MOST LAYER OF REINFORCING TO RUN NORTH-SOUTH DIRECTION.

KEY PLAN



03/09/15	DOB ISSUE	
02/13/15	DOCUMENT ISSUE NO. 7	
Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0820 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SHEAR WALL PART PLAN VII

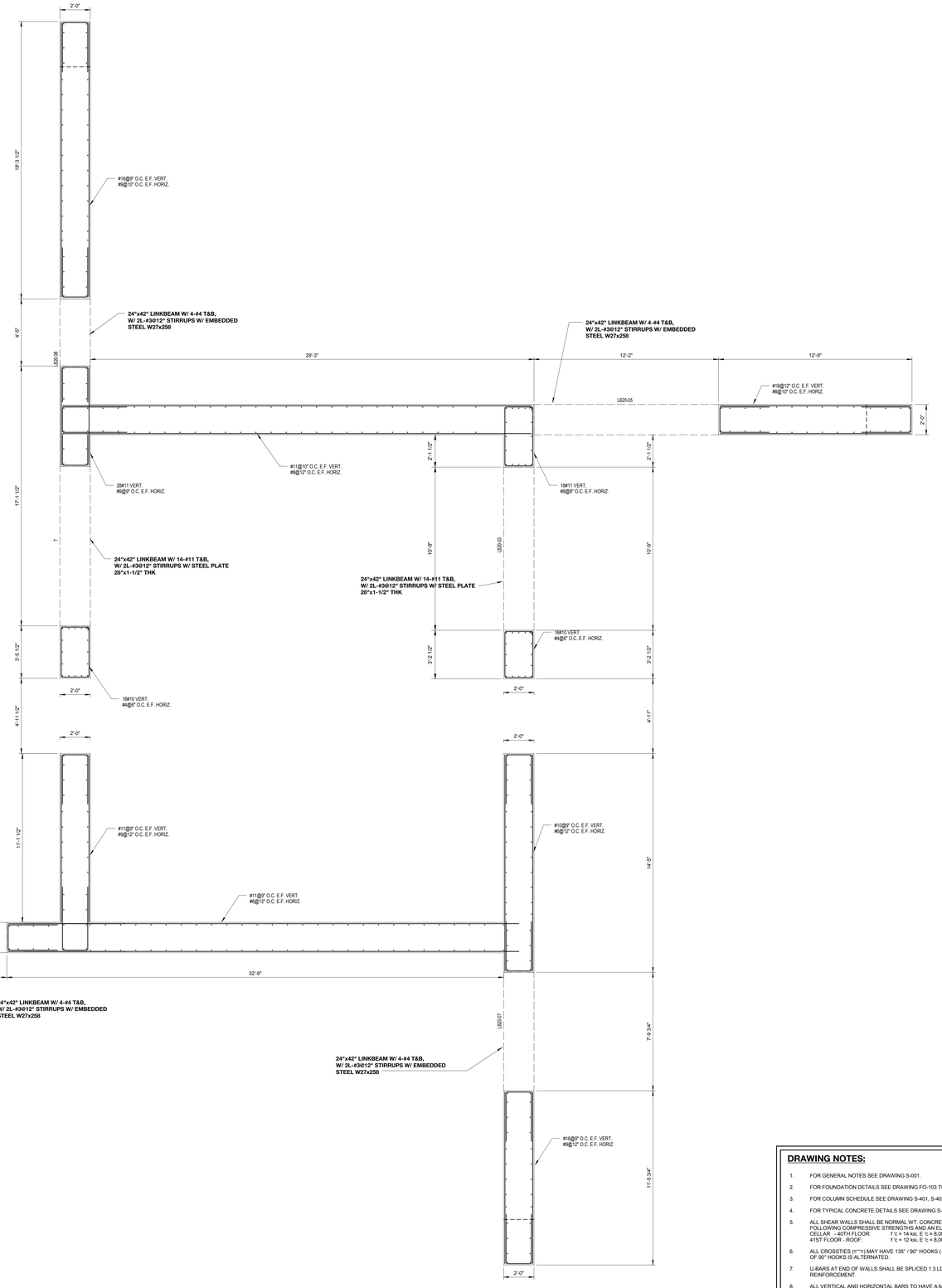
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated

S-417.00

DWG NO:

DEPT OF BLDGS 421323.00 Job Number
B525159453 Scan Code



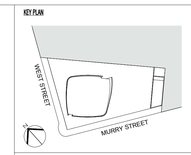
SHEAR WALL SUPPORTING 20TH FLOOR

SCALE: 3/8" = 1'-0"

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. FOR FOUNDATION DETAILS SEE DRAWING FO-103 TO FO-113.
3. FOR COLUMN SCHEDULE SEE DRAWING S-401, S-402, AMD S-403.
4. FOR TYPICAL CONCRETE DETAILS SEE DRAWING S-501,S-502, AND S-503.
5. ALL SHEAR WALLS SHALL BE NORMAL WT. CONCRETE WITH A MINIMUM OF THE FOLLOWING COMPRESSIVE STRENGTHS AND AN ELASTIC MODULUS:
   CELLAR - 40TH FLOOR: f'c = 14 ksi, E 'c = 8,000 ksi
   41ST FLOOR - ROOF: f 'c = 12 ksi, E 'c = 8,000 ksi
6. ALL CROSSTIES (⊂⊃) MAY HAVE 135° / 90° HOOKS (⊂⌐) PROVIDED POSITION OF 90° HOOKS IS ALTERNATED.
7. U-BARS AT END OF WALLS SHALL BE SPLICED 1.3 LD WITH HORIZONTAL REINFORCEMENT.
8. ALL VERTICAL AND HORIZONTAL BARS TO HAVE A MINIMUM OF THE FOLLOWING YIELD STRENGTH:
   #3 TO #8: fy = 60 ksi
   #9 AND GREATER: fy = 80 ksi
9. DETAILER TO CHECK ALL BAR CLEARANCES.
10. BOTTOM MOST AND TOP MOST LAYER OF REINFORCING TO RUN NORTH-SOUTH DIRECTION.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SHEAR WALL PART PLAN VIII

SEAL & SIGNATURE:

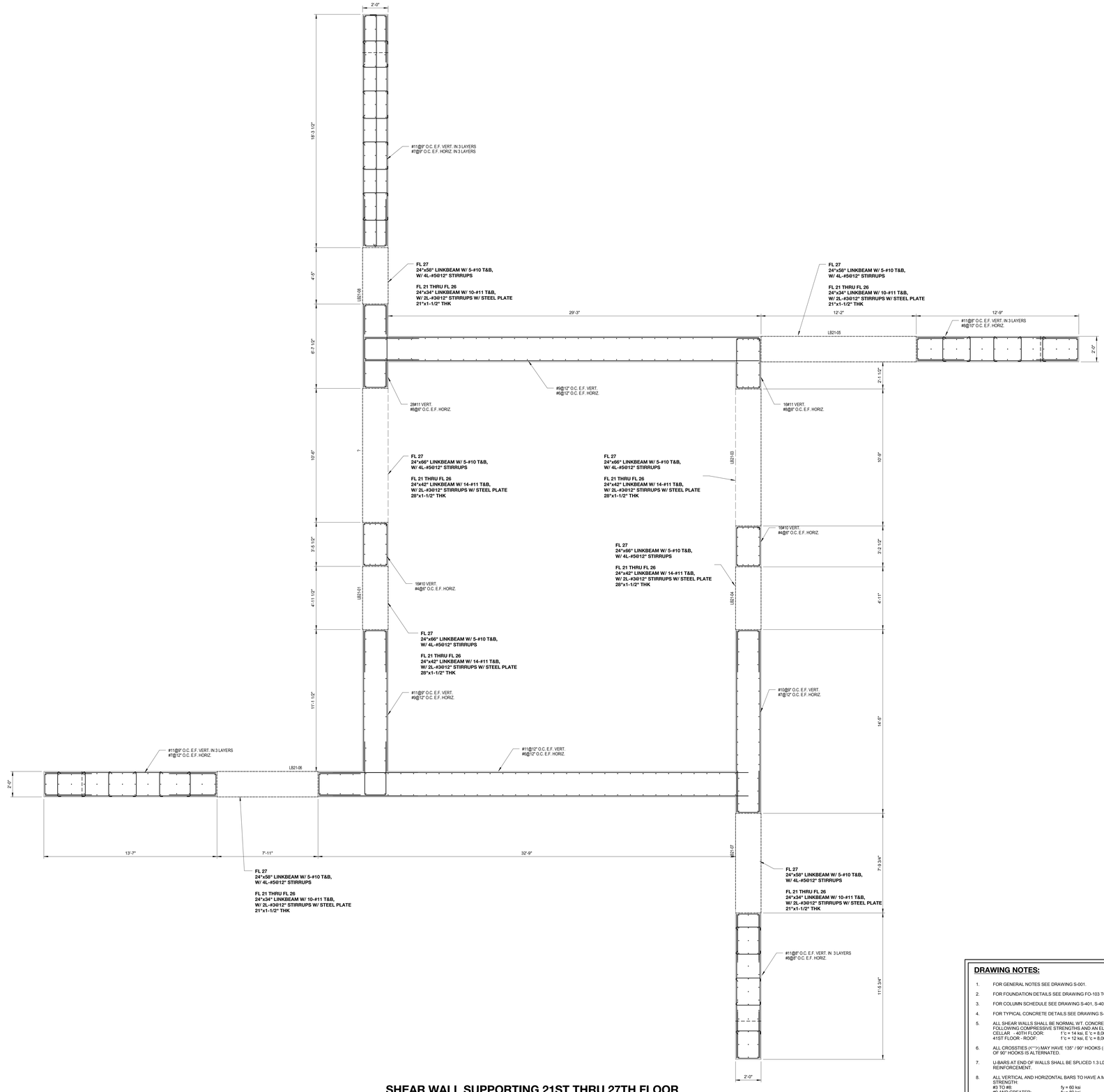
DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated

S-418.00

DWG NO.

STATE OF NEW YORK
074935
LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 421323.00 Job Number
ES5A4334A5 Scan Code



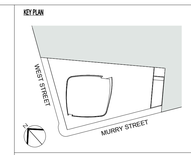
SHEAR WALL SUPPORTING 21ST THRU 27TH FLOOR

SCALE: 3/8" = 1'-0"

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. FOR FOUNDATION DETAILS SEE DRAWING FO-103 TO FO-113.
3. FOR COLUMN SCHEDULE SEE DRAWING S-401, S-402, AND S-403.
4. FOR TYPICAL CONCRETE DETAILS SEE DRAWING S-501,S-502, AND S-503.
5. ALL SHEAR WALLS SHALL BE NORMAL WT. CONCRETE WITH A MINIMUM OF THE FOLLOWING COMPRESSIVE STRENGTHS AND AN ELASTIC MODULUS:
   CELLAR - 40TH FLOOR: f'c = 14 ksi, E 'c = 8,000 ksi
   41ST FLOOR - ROOF: f'c = 12 ksi, E 'c = 8,000 ksi
6. ALL CROSSTIES (⊂⊃) MAY HAVE 135° / 90° HOOKS (⌐¬) PROVIDED POSITION OF 90° HOOKS IS ALTERNATED.
7. U-BARS AT END OF WALLS SHALL BE SPLICED 1.3 LD WITH HORIZONTAL REINFORCEMENT.
8. ALL VERTICAL AND HORIZONTAL BARS TO HAVE A MINIMUM OF THE FOLLOWING YIELD STRENGTH:
   #3 TO #8: fy = 60 ksi
   #9 AND GREATER: fy = 80 ksi
9. DETAILER TO CHECK ALL BAR CLEARANCES.
10. BOTTOM MOST AND TOP MOST LAYER OF REINFORCING TO RUN NORTH-SOUTH DIRECTION.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212 977 6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SHEAR WALL PART PLAN IX

SEAL & SIGNATURE:

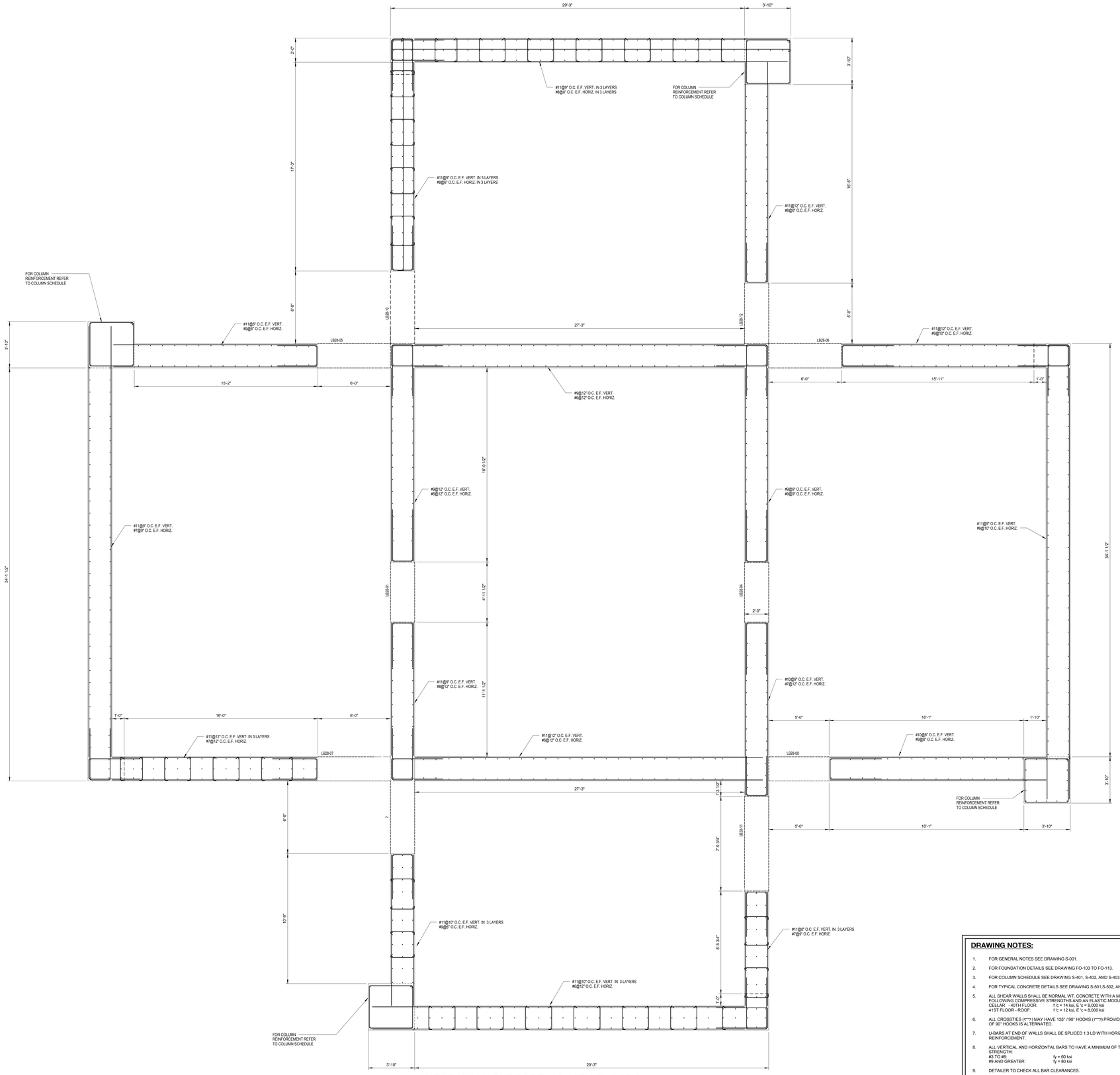
DATE: **09/15/14**
PROJECT #: **14077.00**
SCALE: **As indicated**

S-419.00

DWG NO:

STATE OF NEW YORK
Stephen V. Desimone
074933
LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 121323.00 Job Number
E53-7955-X56 Scan Code

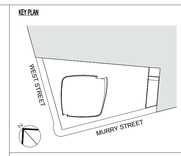


SHEAR WALL SUPPORTING 28TH FLOORS

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. FOR FOUNDATION DETAILS SEE DRAWING FO-103 TO FO-113.
3. FOR COLUMN SCHEDULE SEE DRAWING S-401, S-402, AMD S-403.
4. FOR TYPICAL CONCRETE DETAILS SEE DRAWING S-501,S-502, AND S-503.
5. ALL SHEAR WALLS SHALL BE NORMAL WT. CONCRETE WITH A MINIMUM OF THE FOLLOWING COMPRESSIVE STRENGTHS AND AN ELASTIC MODULUS:
   CELLAR – 40TH FLOOR: f'c = 14 ksi, E 'c = 8,000 ksi
   41ST FLOOR - ROOF: f 'c = 12 ksi, E 'c = 8,000 ksi
6. ALL CROSSTIES (⊂⊃) MAY HAVE 135° / 90° HOOKS (⊂⌐) PROVIDED POSITION OF 90° HOOKS IS ALTERNATED.
7. U-BARS AT END OF WALLS SHALL BE SPLICED 1.3 LD WITH HORIZONTAL REINFORCEMENT.
8. ALL VERTICAL AND HORIZONTAL BARS TO HAVE A MINIMUM OF THE FOLLOWING YIELD STRENGTH:
   #3 TO #8: fy = 60 ksi
   #9 AND GREATER: fy = 80 ksi
9. DETAILER TO CHECK ALL BAR CLEARANCES.
10. BOTTOM MOST AND TOP MOST LAYER OF REINFORCING TO RUN NORTH-SOUTH DIRECTION.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 3 of 1975
Date: 09/22/2015
NYC Development Hub

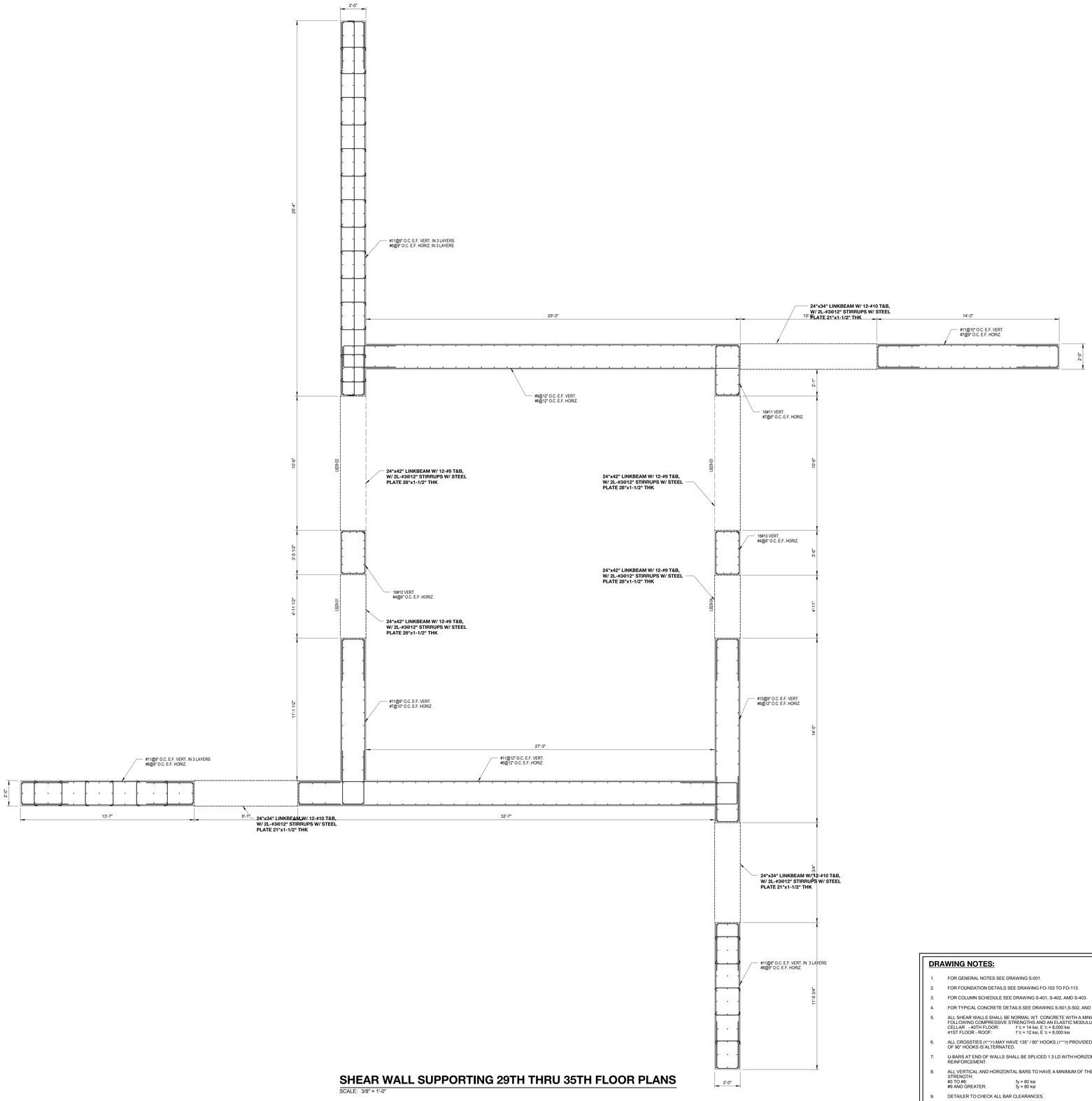
DWG TITLE:
SHEAR WALL PART PLAN X

SEAL & SIGNATURE:

STATE OF NEW YORK
Steven V. Desimone
074853
LICENSED PROFESSIONAL ENGINEER

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	As indicated
DWG NO:	S-420.00

DEPT OF BLDGS 421323.00 Job Number
ES701150950 Scan Code



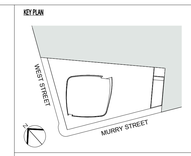
SHEAR WALL SUPPORTING 29TH THRU 35TH FLOOR PLANS

SCALE: 3/8" = 1'-0"

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. FOR FOUNDATION DETAILS SEE DRAWING FO-103 TO FO-113.
3. FOR COLUMN SCHEDULE SEE DRAWING S-401, S-402, AMD S-403.
4. FOR TYPICAL CONCRETE DETAILS SEE DRAWING S-501,S-502, AND S-503.
5. ALL SHEAR WALLS SHALL BE NORMAL WT. CONCRETE WITH A MINIMUM OF THE FOLLOWING COMPRESSIVE STRENGTHS AND AN ELASTIC MODULUS:
   CELLAR - 40TH FLOOR: f'c = 14 ksi, E 'c = 8,000 ksi
   41ST.FLOOR - ROOF: f 'c = 12 ksi, E 'c = 8,000 ksi
6. ALL CROSSTIES (⊓⊐)MAY HAVE 135° / 90° HOOKS (⊓⊐)PROVIDED POSITION OF 90° HOOKS IS ALTERNATED.
7. U-BARS AT END OF WALLS SHALL BE SPLICED 1.3 LD WITH HORIZONTAL REINFORCEMENT.
8. ALL VERTICAL AND HORIZONTAL BARS TO HAVE A MINIMUM OF THE FOLLOWING YIELD STRENGTH:
   #3 TO #8: fy = 60 ksi
   #9 AND GREATER: fy = 60 ksi
9. DETAILER TO CHECK ALL BAR CLEARANCES.
10. BOTTOM MOST AND TOP MOST LAYER OF REINFORCING TO RUN NORTH-SOUTH DIRECTION.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

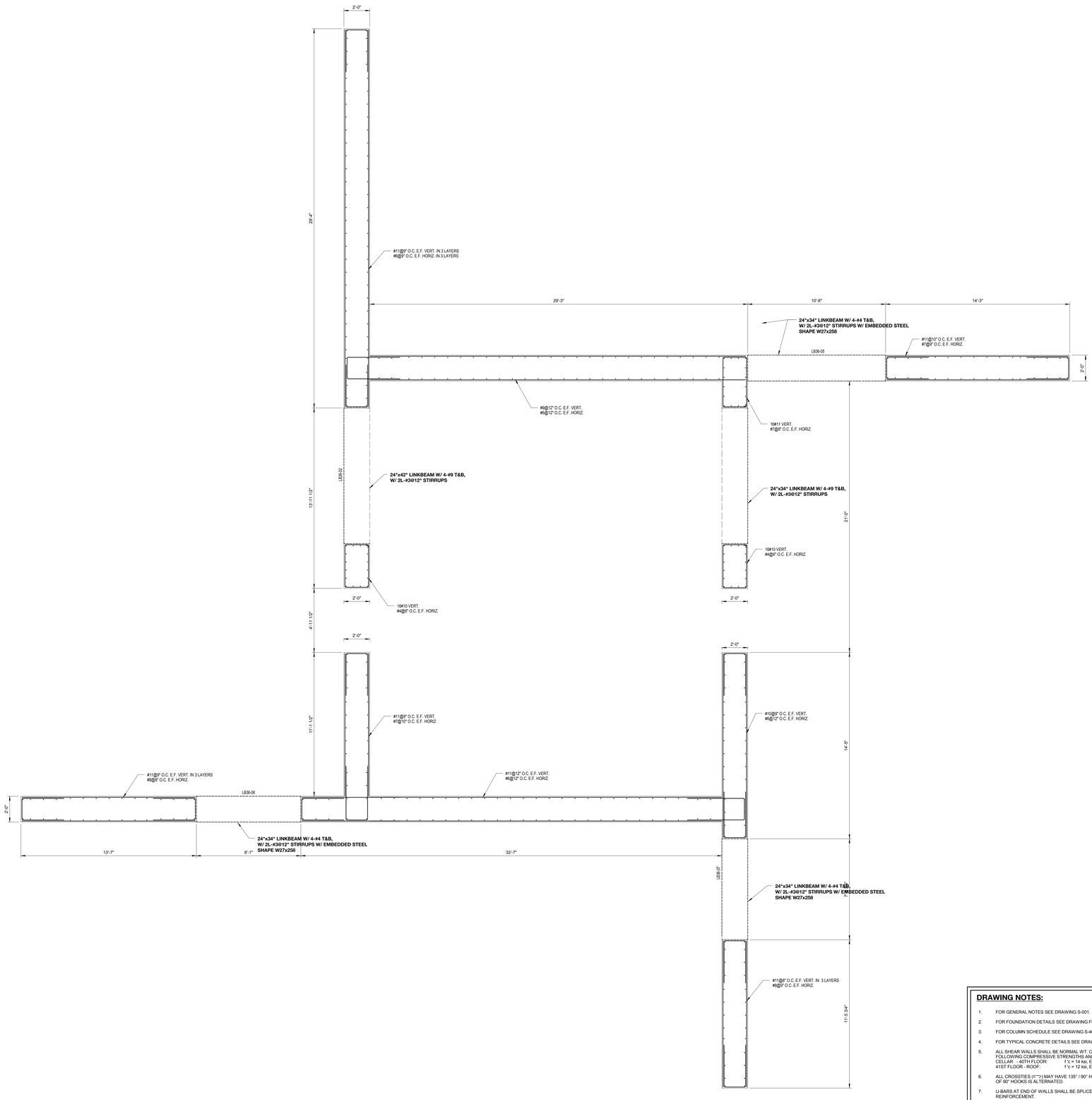
Shaugat Shaikh
Borough Commissioner
Building
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SHEAR WALL PART PLAN XI

SEAL & SIGNATURE:

DATE: **09/15/14**
PROJECT #: **14077.00**
SCALE: **As indicated**
DWG NO: **S-421.00**

DEPT OF BLDGS 421323.00 Job Number
E380563.2395 Scan Code



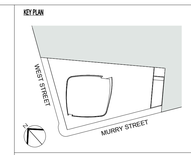
SHEAR WALL SUPPORTING 36TH FLOOR

SCALE: 3/8" = 1'-0"

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. FOR FOUNDATION DETAILS SEE DRAWING FO-103 TO FO-113.
3. FOR COLUMN SCHEDULE SEE DRAWING S-401, S-402, AMD S-403.
4. FOR TYPICAL CONCRETE DETAILS SEE DRAWING S-501,S-502, AND S-503.
5. ALL SHEAR WALLS SHALL BE NORMAL WT. CONCRETE WITH A MINIMUM OF THE FOLLOWING COMPRESSIVE STRENGTHS AND AN ELASTIC MODULUS:
   CELLAR - 40TH FLOOR: f'c = 14 ksi, E 'c = 8,000 ksi
   41ST FLOOR - ROOF: f 'c = 12 ksi, E 'c = 8,000 ksi
6. ALL CROSSTIES (⊂⊃) MAY HAVE 135° / 90° HOOKS (⊂⌐) PROVIDED POSITION OF 90° HOOKS IS ALTERNATED.
7. U-BARS AT END OF WALLS SHALL BE SPLICED 1.3 LD WITH HORIZONTAL REINFORCEMENT.
8. ALL VERTICAL AND HORIZONTAL BARS TO HAVE A MINIMUM OF THE FOLLOWING YIELD STRENGTH:
   #3 TO #8: fy = 60 ksi
   #9 AND GREATER: fy = 80 ksi
9. DETAILER TO CHECK ALL BAR CLEARANCES.
10. BOTTOM MOST AND TOP MOST LAYER OF REINFORCING TO RUN NORTH-SOUTH DIRECTION.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SHEAR WALL PART PLAN XII

SEAL & SIGNATURE:

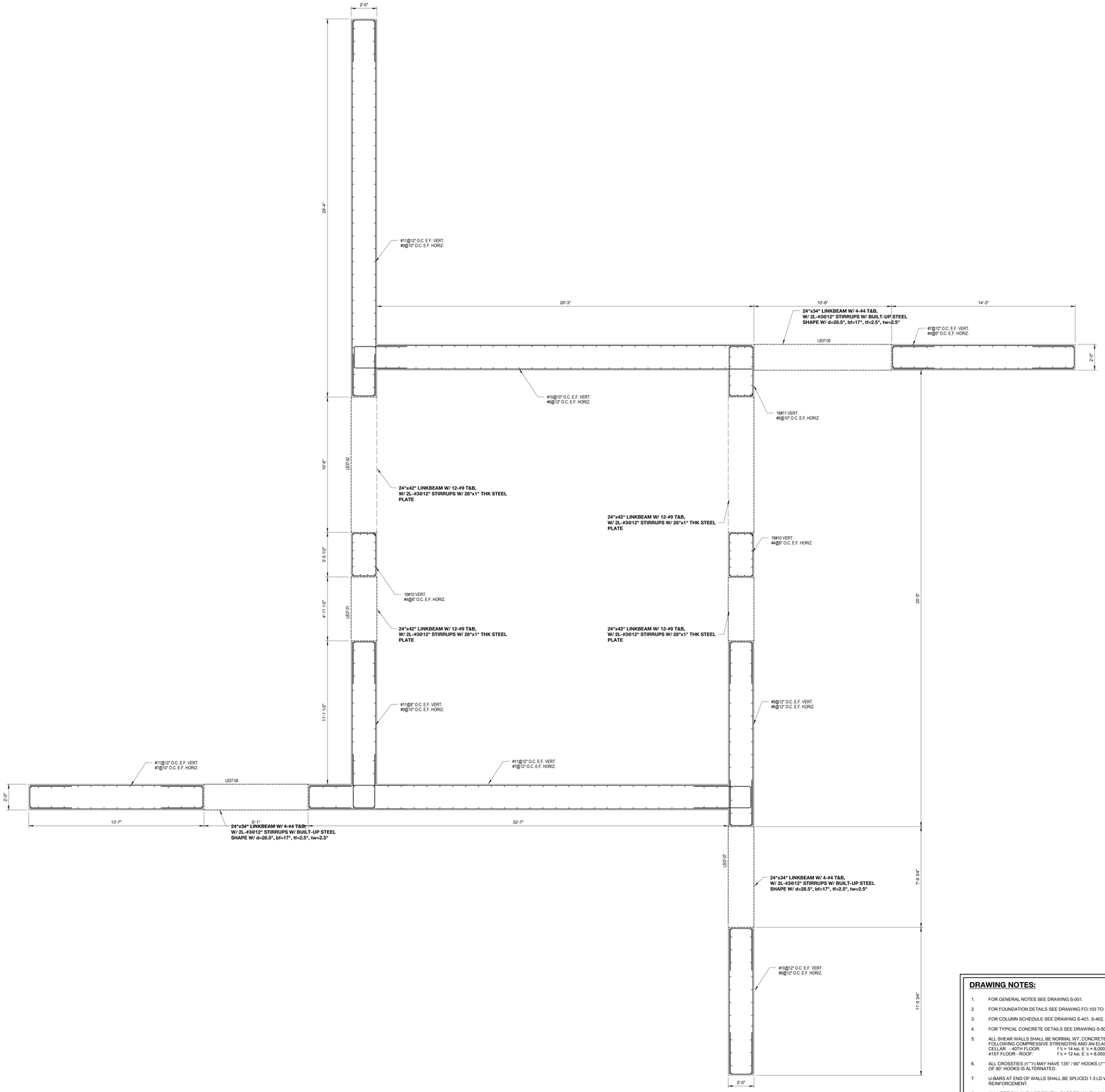
DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated

S-422.00

DWG NO:

STATE OF NEW YORK
074935
LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 421323.00 Job Number
E53.7050435 Scan Code



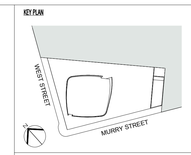
SHEAR WALL SUPPORTING 37TH THRU 39TH FLOORS

SCALE: 3/8" = 1'-0"

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. FOR FOUNDATION DETAILS SEE DRAWING FO-103 TO FO-113.
3. FOR COLUMN SCHEDULE SEE DRAWING S-401, S-402, AND S-403.
4. FOR TYPICAL CONCRETE DETAILS SEE DRAWING S-501,S-502, AND S-503.
5. ALL SHEAR WALLS SHALL BE NORMAL WT. CONCRETE WITH A MINIMUM OF THE FOLLOWING COMPRESSIVE STRENGTHS AND AN ELASTIC MODULUS:
   CELLAR - 40TH FLOOR: f'c = 14 ksi, E 'c = 8,000 ksi
   41ST FLOOR - ROOF: f 'c = 12 ksi, E 'c = 8,000 ksi
6. ALL CROSSTIES (⊂⊃) MAY HAVE 135° / 90° HOOKS (⊂⌐⊃) PROVIDED POSITION OF 90° HOOKS IS ALTERNATED.
7. U-BARS AT END OF WALLS SHALL BE SPLICED 1.3 LD WITH HORIZONTAL REINFORCEMENT.
8. ALL VERTICAL AND HORIZONTAL BARS TO HAVE A MINIMUM OF THE FOLLOWING YIELD STRENGTH:
   #3 TO #8: fy = 60 ksi
   #9 AND GREATER: fy = 80 ksi
9. DETAILER TO CHECK ALL BAR CLEARANCES.
10. BOTTOM MOST AND TOP MOST LAYER OF REINFORCING TO RUN NORTH-SOUTH DIRECTION.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

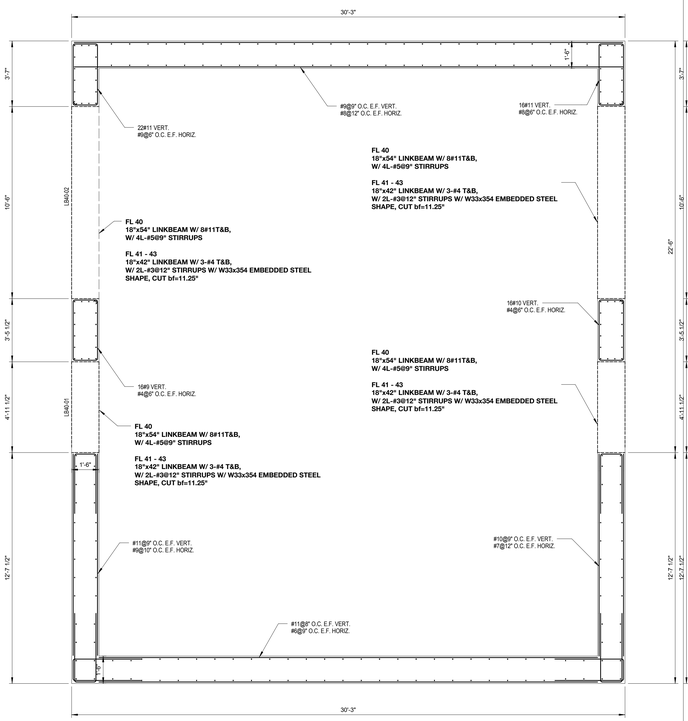
DWG TITLE:
SHEAR WALL PART PLAN XIII

SEAL & SIGNATURE:

STATE OF NEW YORK
Stephen V. Desiderio
074933
LICENSED PROFESSIONAL ENGINEER

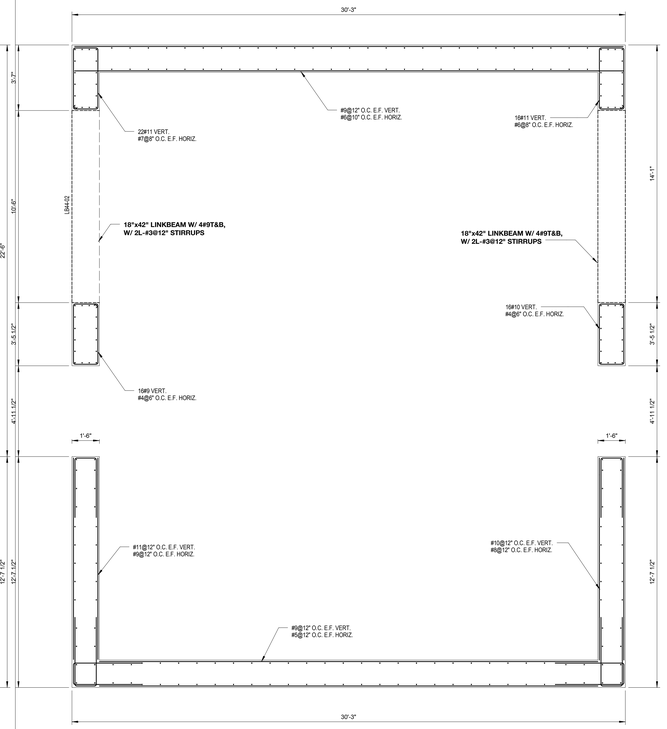
DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated
DWG NO: **S-423.00**

DEPT OF BLDGS 421323.00 Job Number
ES8978433314 Scan Code



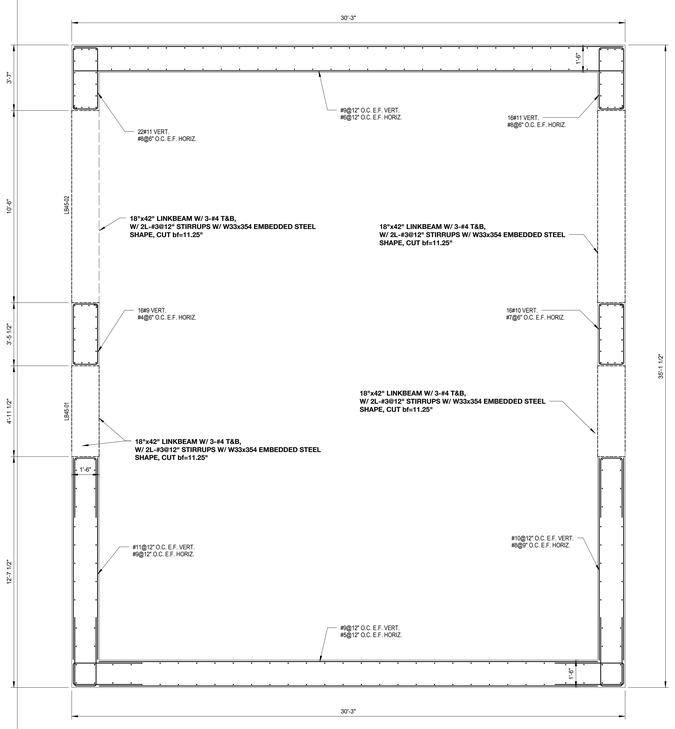
SHEAR WALL SUPPORTING 40TH THRU 43RD FLOOR PLANS

SCALE: 3/8" = 1'-0"



SHEAR WALL SUPPORTING 44TH FLOOR PLAN

SCALE: 3/8" = 1'-0"



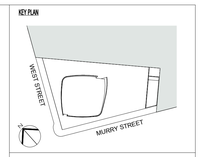
SHEAR WALL SUPPORTING 45TH THRU 51ST FLOOR PLAN

SCALE: 3/8" = 1'-0"

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. FOR FOUNDATION DETAILS SEE DRAWING FO-103 TO FO-113.
3. FOR COLUMN SCHEDULE SEE DRAWING S-401, S-402, AMD S-403.
4. FOR TYPICAL CONCRETE DETAILS SEE DRAWING S-501,S-502, AND S-503.
5. ALL SHEAR WALLS SHALL BE NORMAL WT. CONCRETE WITH A MINIMUM OF THE FOLLOWING COMPRESSIVE STRENGTHS AND AN ELASTIC MODULUS:
   CELLAR - 40TH FLOOR: f'c = 14 ksi, E`c = 8,000 ksi
   41ST FLOOR - ROOF: f`c = 12 ksi, E`c = 8,000 ksi
6. ALL CROSSTIES (⊂⊃) MAY HAVE 135° / 90° HOOKS (⊂⌐) PROVIDED POSITION OF 90° HOOKS IS ALTERNATED.
7. U-BARS AT END OF WALLS SHALL BE SPLICED 1.3 LD WITH HORIZONTAL REINFORCEMENT.
8. ALL VERTICAL AND HORIZONTAL BARS TO HAVE A MINIMUM OF THE FOLLOWING YIELD STRENGTH:
   #3 TO #8: fy = 60 ksi
   #9 AND GREATER: fy = 80 ksi
9. DETAILER TO CHECK ALL BAR CLEARANCES.
10. BOTTOM MOST AND TOP MOST LAYER OF REINFORCING TO RUN NORTH-SOUTH DIRECTION.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SHEAR WALL PART PLAN XIV

SEAL & SIGNATURE:

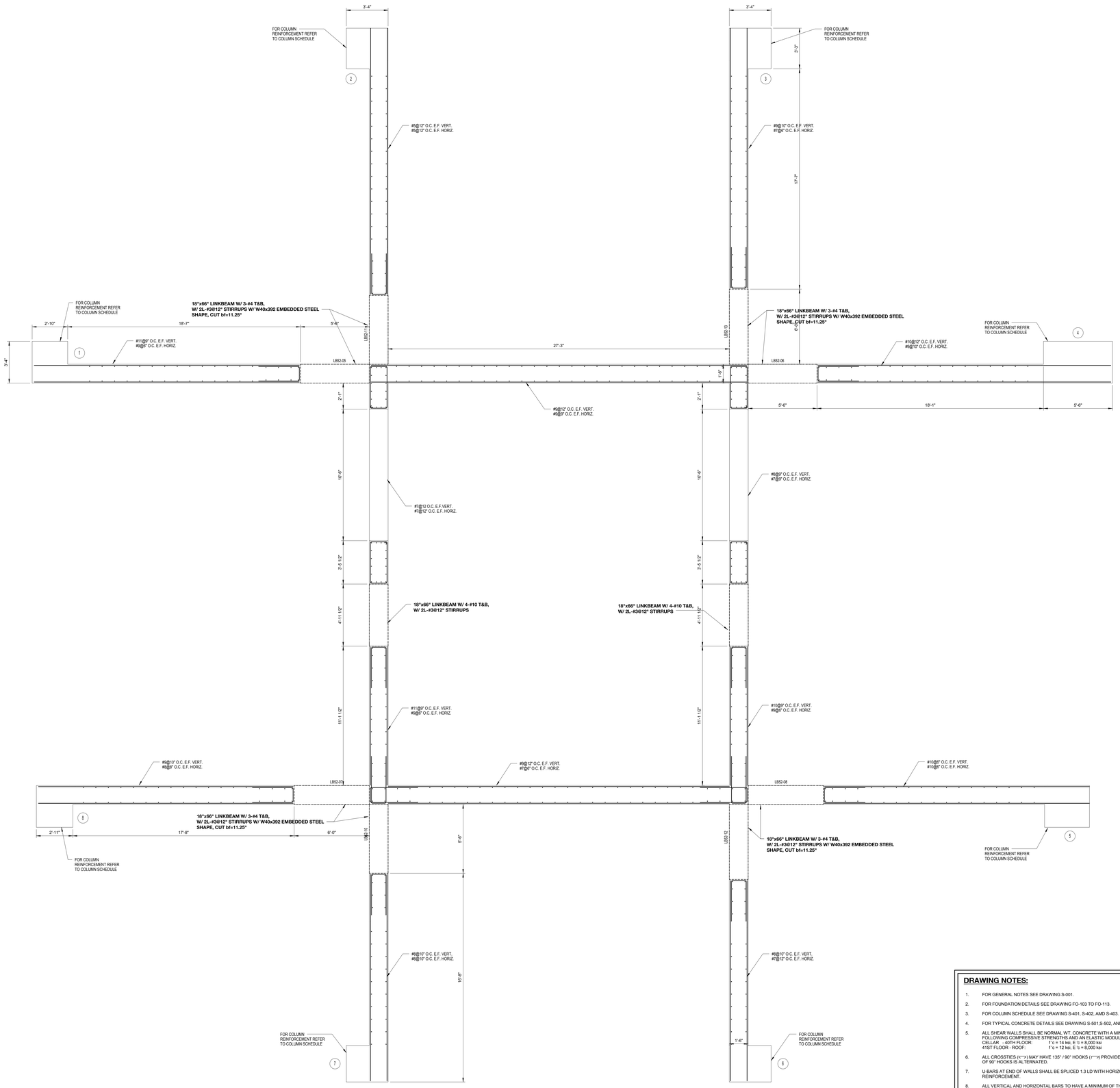
DATE: **09/15/14**
PROJECT #: **14077.00**
SCALE: **As indicated**

S-424.00

DWG NO:

STATE OF NEW YORK
RICHARD V. ENTWISTLE
074935
LICENSED PROFESSIONAL ENGINEER

DEPT OF BLDGS 421323.00 Job Number
E302067852SI Scan Code



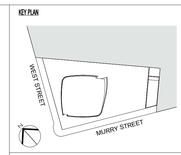
SHEAR WALL SUPPORTING 52ND FLOORS

SCALE: 3/8" = 1'-0"

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. FOR FOUNDATION DETAILS SEE DRAWING FO-103 TO FO-113.
3. FOR COLUMN SCHEDULE SEE DRAWING S-401, S-402, AMD S-403.
4. FOR TYPICAL CONCRETE DETAILS SEE DRAWING S-501,S-502, AND S-503.
5. ALL SHEAR WALLS SHALL BE NORMAL WT. CONCRETE WITH A MINIMUM OF THE FOLLOWING COMPRESSIVE STRENGTHS AND AN ELASTIC MODULUS:
   CELLAR - 40TH FLOOR: f'c = 14 ksi, E 'c = 8,000 ksi
   41ST FLOOR - ROOF: f 'c = 12 ksi, E 'c = 8,000 ksi
6. ALL CROSSTIES (⊂⊃) MAY HAVE 135° / 90° HOOKS (⊂⌐) PROVIDED POSITION OF 90° HOOKS IS ALTERNATED.
7. U-BARS AT END OF WALLS SHALL BE SPLICED 1.3 LD WITH HORIZONTAL REINFORCEMENT.
8. ALL VERTICAL AND HORIZONTAL BARS TO HAVE A MINIMUM OF THE FOLLOWING YIELD STRENGTH:
   #3 TO #8: fy = 60 ksi
   #9 AND GREATER: fy = 80 ksi
9. DETAILER TO CHECK ALL BAR CLEARANCES.
10. BOTTOM MOST AND TOP MOST LAYER OF REINFORCING TO RUN NORTH-SOUTH DIRECTION.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 3 of 1975
Date: 05/20/2015
NYC Development Hub

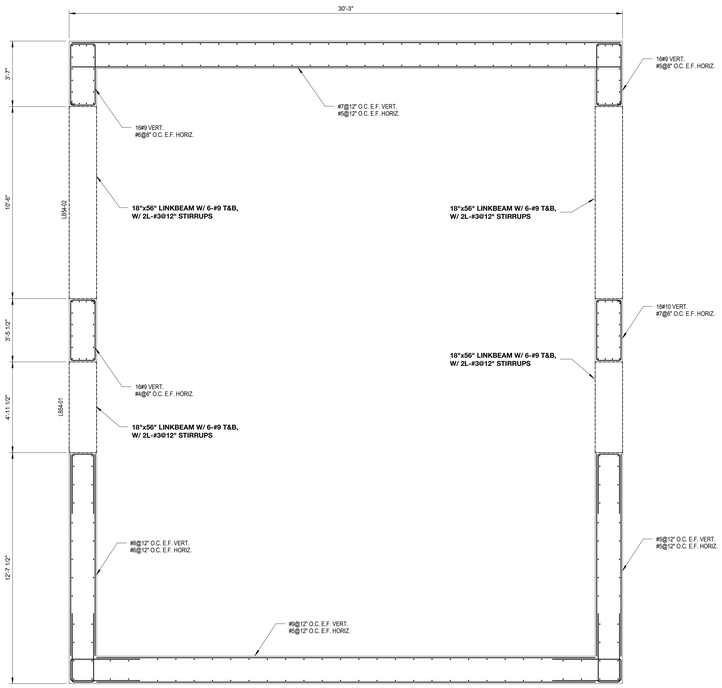
DWG TITLE:
SHEAR WALL PART PLAN XV

SEAL & SIGNATURE:

STATE OF NEW YORK
Steven V. Desimone
074853
LICENSED PROFESSIONAL ENGINEER

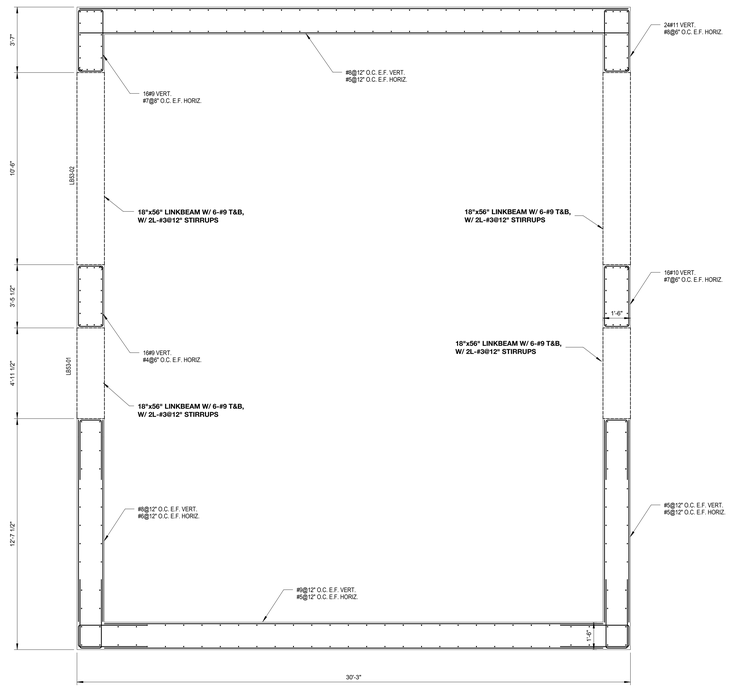
DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	As indicated
DWG NO:	S-425.00

DEPT OF BLDGS 421332.00 Job Number
E350520220 Scan Code



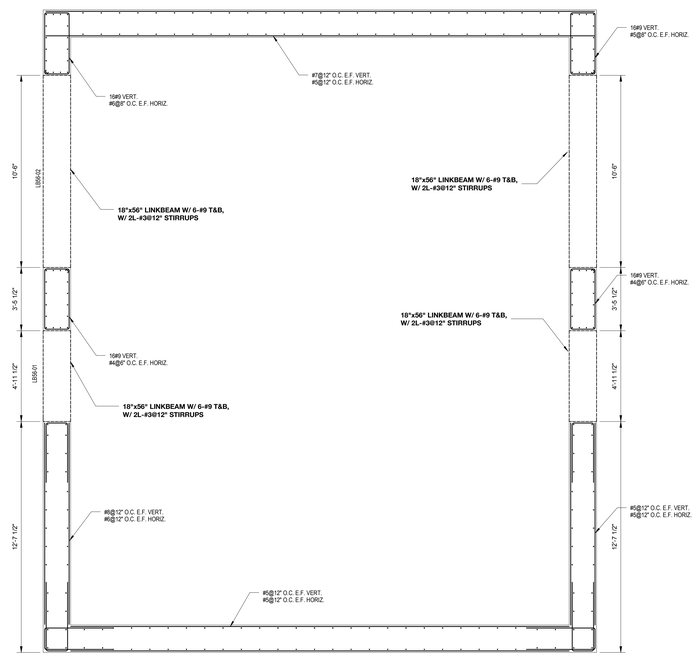
SHEAR WALL SUPPORTING 54TH FLOOR PLAN

SCALE: 3/8" = 1'-0"



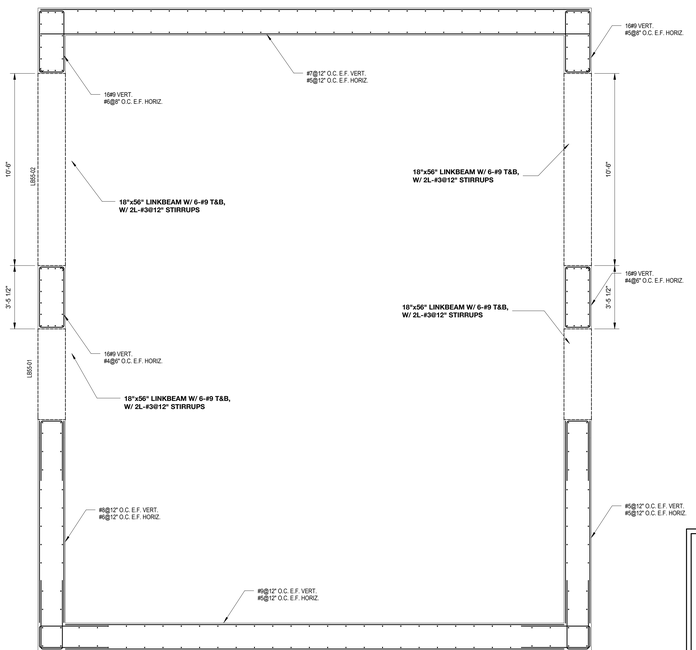
SHEAR WALL SUPPORTING 53RD FLOOR PLAN

SCALE: 3/8" = 1'-0"



SHEAR WALL SUPPORTING 56TH FLOOR PLAN

SCALE: 3/8" = 1'-0"



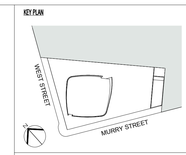
SHEAR WALL SUPPORTING 55TH FLOOR PLAN

SCALE: 3/8" = 1'-0"

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. FOR FOUNDATION DETAILS SEE DRAWING FO-103 TO FO-113.
3. FOR COLUMN SCHEDULE SEE DRAWING S-401, S-402, AND S-403.
4. FOR TYPICAL CONCRETE DETAILS SEE DRAWING S-501,S-502, AND S-503.
5. ALL SHEAR WALLS SHALL BE NORMAL WT. CONCRETE WITH A MINIMUM OF THE FOLLOWING COMPRESSIVE STRENGTHS AND AN ELASTIC MODULUS:
   CELLAR - 40TH FLOOR: f'c = 14 ksi, E`c = 8,000 ksi
   41ST FLOOR - ROOF: f'c = 12 ksi, E`c = 8,000 ksi
6. ALL CROSSTIES (⊂⊃) MAY HAVE 135° / 90° HOOKS (⌐¬) PROVIDED POSITION OF 90° HOOKS IS ALTERNATED.
7. U-BARS AT END OF WALLS SHALL BE SPLICED 1.3 LD WITH HORIZONTAL REINFORCEMENT.
8. ALL VERTICAL AND HORIZONTAL BARS TO HAVE A MINIMUM OF THE FOLLOWING YIELD STRENGTH:
   #3 TO #8: fy = 60 ksi
   #9 AND GREATER: fy = 60 ksi
9. DETAILER TO CHECK ALL BAR CLEARANCES.
10. BOTTOM MOST AND TOP MOST LAYER OF REINFORCING TO RUN NORTH-SOUTH DIRECTION.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

DWG TITLE:
SHEAR WALL PART PLAN XVI

SEAL & SIGNATURE:

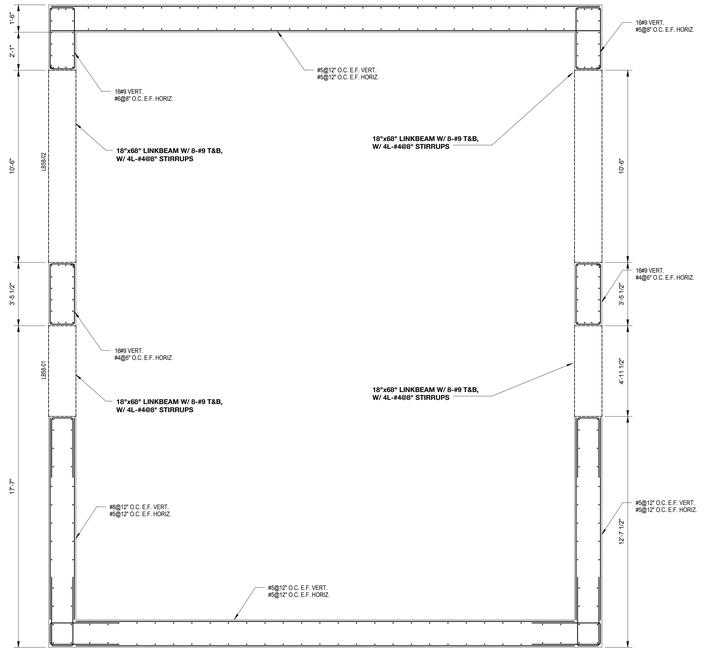
STATE OF NEW YORK
Christina V. Desimone
074933
LICENSED PROFESSIONAL ENGINEER

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	As indicated

S-426.00

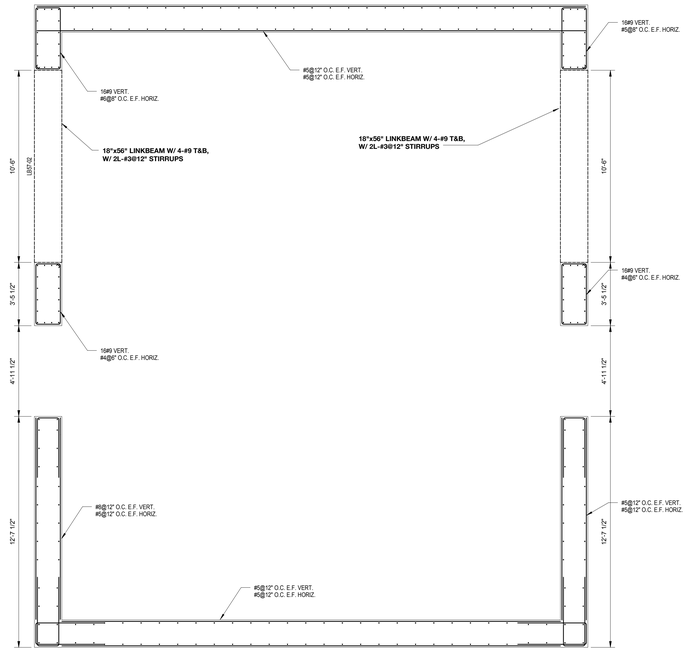
DWG NO:

DEPT OF BLDGS 421323.00 Job Number
E504265543D Scan Code



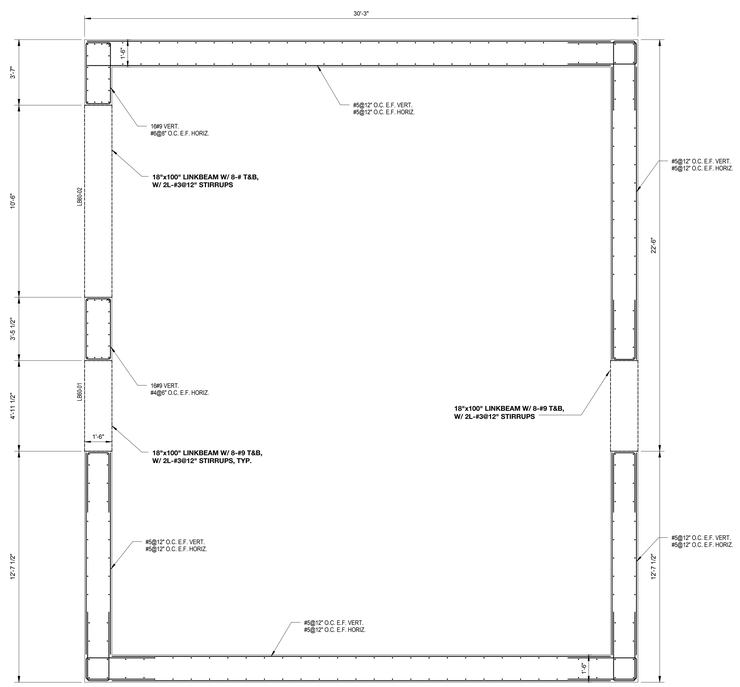
SHEAR WALL SUPPORTING 58TH FLOOR

SCALE: 3/8" = 1'-0"



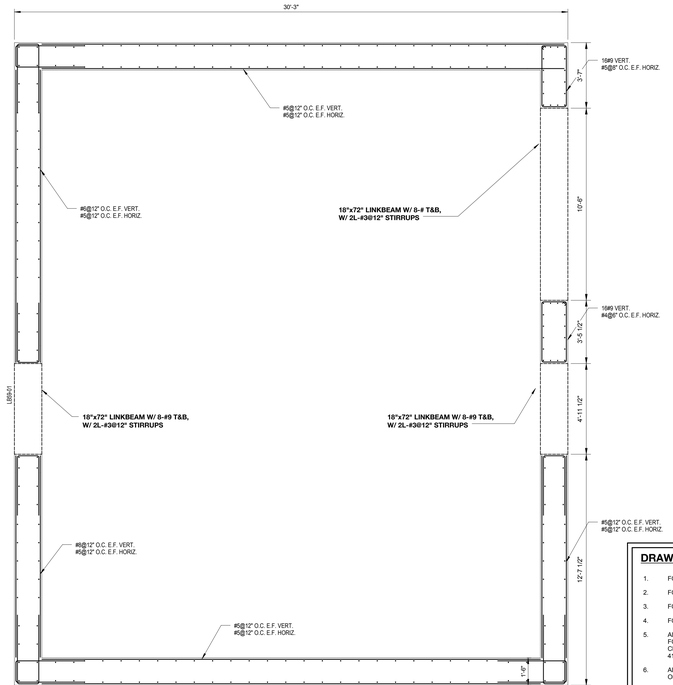
SHEAR WALL SUPPORTING 57TH FLOOR

SCALE: 3/8" = 1'-0"



SHEAR WALL SUPPORTING 60TH FLOOR

SCALE: 3/8" = 1'-0"



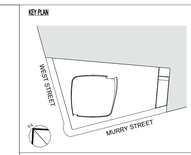
SHEAR WALL SUPPORTING 59TH FLOOR

SCALE: 3/8" = 1'-0"

DRAWING NOTES:

1. FOR GENERAL NOTES SEE DRAWING S-001.
2. FOR FOUNDATION DETAILS SEE DRAWING FO-103 TO FO-113.
3. FOR COLUMN SCHEDULE SEE DRAWING S-401, S-402, AND S-403.
4. FOR TYPICAL CONCRETE DETAILS SEE DRAWING S-501,S-502, AND S-503.
5. ALL SHEAR WALLS SHALL BE NORMAL WT. CONCRETE WITH A MINIMUM OF THE FOLLOWING COMPRESSIVE STRENGTHS AND AN ELASTIC MODULUS:
   CELLAR - 40TH FLOOR: f'c = 14 ksi, E 'c = 8,000 ksi
   41ST FLOOR - ROOF: f'c = 12 ksi, E 'c = 8,000 ksi
6. ALL CROSSTIES (<—>) MAY HAVE 135° / 90° HOOKS (—⊐) PROVIDED POSITION OF 90° HOOKS IS ALTERNATED.
7. U-BARS AT END OF WALLS SHALL BE SPLICED 1.3 LD WITH HORIZONTAL REINFORCEMENT.
8. ALL VERTICAL AND HORIZONTAL BARS TO HAVE A MINIMUM OF THE FOLLOWING YIELD STRENGTH:
   #3 TO #8: fy = 60 ksi
   #9 AND GREATER: fy = 60 ksi
9. DETAILER TO CHECK ALL BAR CLEARANCES.
10. BOTTOM MOST AND TOP MOST LAYER OF REINFORCING TO RUN NORTH-SOUTH DIRECTION.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0820 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SHEAR WALL PART PLAN XVII

SEAL & SIGNATURE:

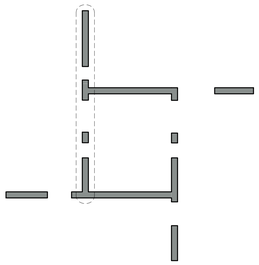
STATE OF NEW YORK
Christina V. Desimone
074933
LICENSED PROFESSIONAL ENGINEER

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	As indicated

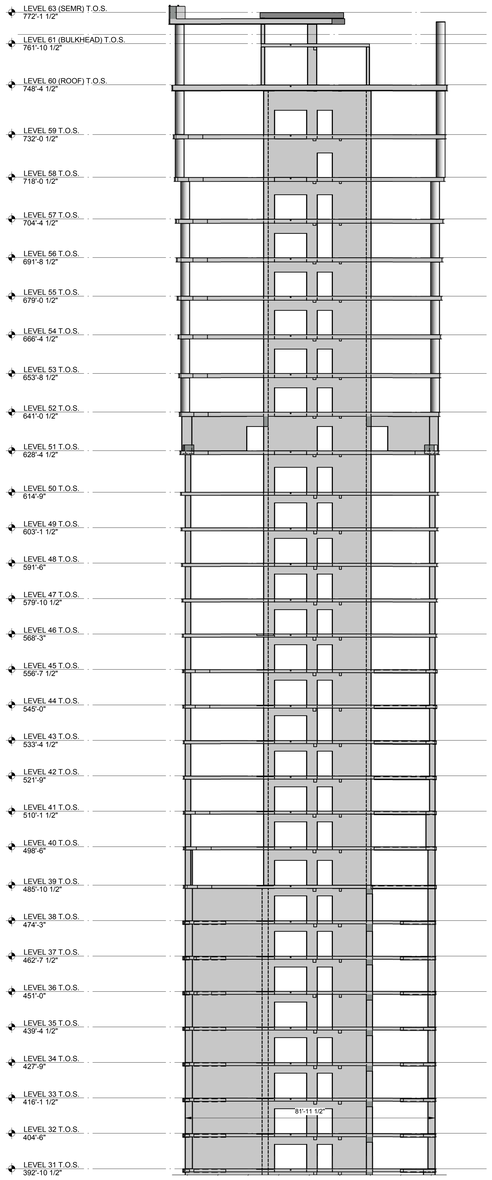
S-427.00

DWG NO:

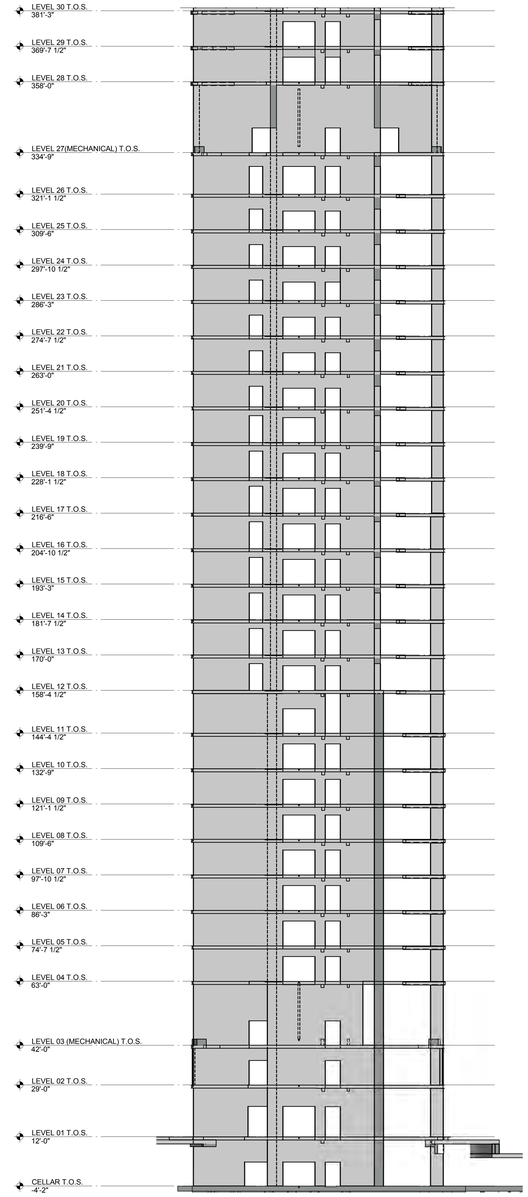
DEPT OF BLDGS 421323.00 Job Number
B3259837.399 Scan Code



SHEARWALL KEY PLAN 1



2 SW LOOKING EAST 30TH THRU ROOF FLOORS
SCALE: 1/16" = 1'-0"

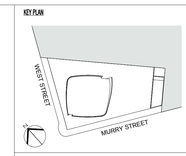


1 SW LOOKING EAST 1ST THRU 30TH
SCALE: 1/16" = 1'-0"

DRAWING NOTES:

1. SHEAR WALL REINFORCEMENT NOT SHOWN FOR CLARITY. REFER TO DWGS. S-411 - S-428 FOR REINFORCEMENT INFORMATION AND DIMENSIONS NOT SHOWN.
2. REFER TO SHEAR WALL REINFORCEMENT PLANS FOR ALL LINK BEAM INFORMATION.
3. CAISSON REINFORCEMENT NOT SHOWN FOR CLARITY. REFER TO FO-SERIES DWGS. FOR CAISSON INFORMATION NOT SHOWN.
4. CHANGES TO OPENINGS SHOWN SHALL BE SUBMITTED TO ENGINEER FOR REVIEW PRIOR TO START OF WORK.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 09/30/2015
NYC Development Hub

DWG TITLE:
SHEAR WALL ELEVATION I

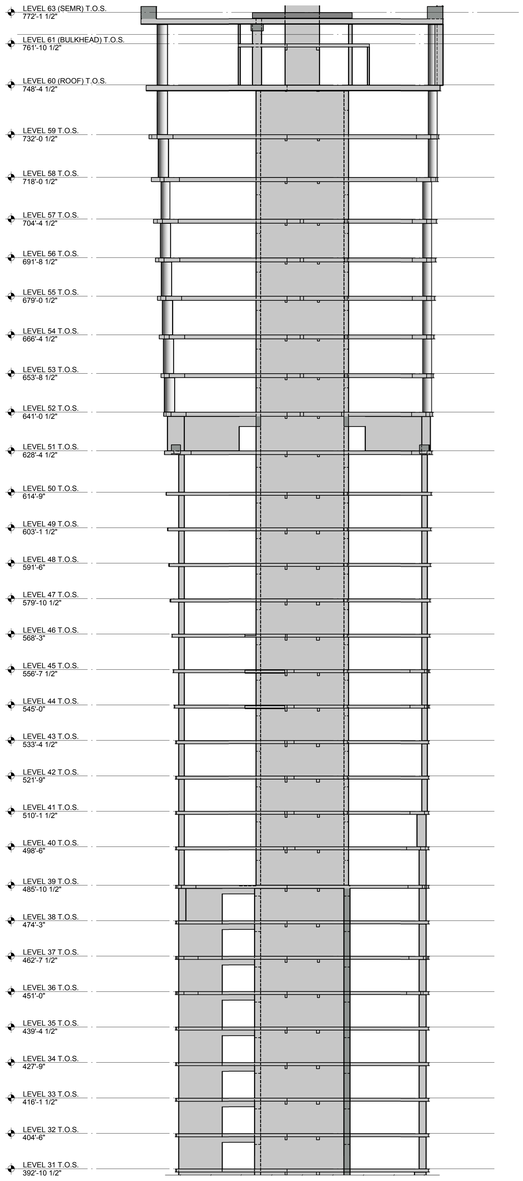
SEAL & SIGNATURE:

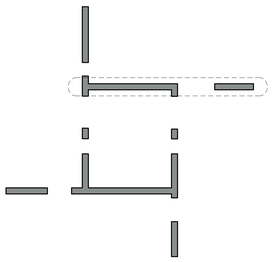
DATE: **09/15/14**
PROJECT #: **14077.00**
SCALE: **As indicated**

S-441.00

DWG NO:

DEPT OF BLDGS 121123.00 Job Number
B00509193.15 Scan Code

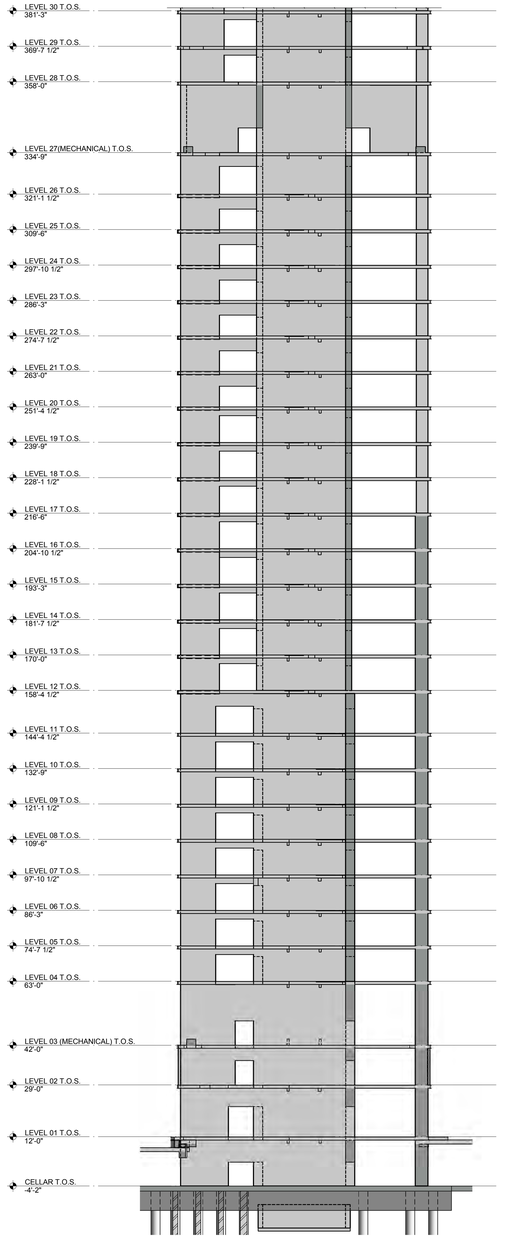




SHEARWALL KEY PLAN 2

2 SW LOOKING SOUTH 30TH THRU ROOF FLOORS

SCALE: 1/16" = 1'-0"



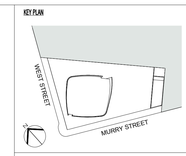
1 SW LOOKING SOUTH 1ST THRU 30TH

SCALE: 1/16" = 1'-0"

DRAWING NOTES:

1. SHEAR WALL REINFORCEMENT NOT SHOWN FOR CLARITY. REFER TO DWGS. S-411 - S-428 FOR REINFORCEMENT INFORMATION AND DIMENSIONS NOT SHOWN.
2. REFER TO SHEAR WALL REINFORCEMENT PLANS FOR ALL LINK BEAM INFORMATION.
3. CAISSON REINFORCEMENT NOT SHOWN FOR CLARITY. REFER TO FOSERIES DWGS. FOR CAISSON INFORMATION NOT SHOWN.
4. CHANGES TO OPENINGS SHOWN SHALL BE SUBMITTED TO ENGINEER FOR REVIEW PRIOR TO START OF WORK.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 14 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SHEAR WALL ELEVATION II

SEAL & SIGNATURE:

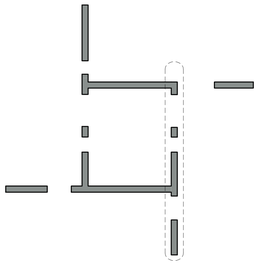
STATE OF NEW YORK
074935
LICENSED PROFESSIONAL ENGINEER

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	As indicated

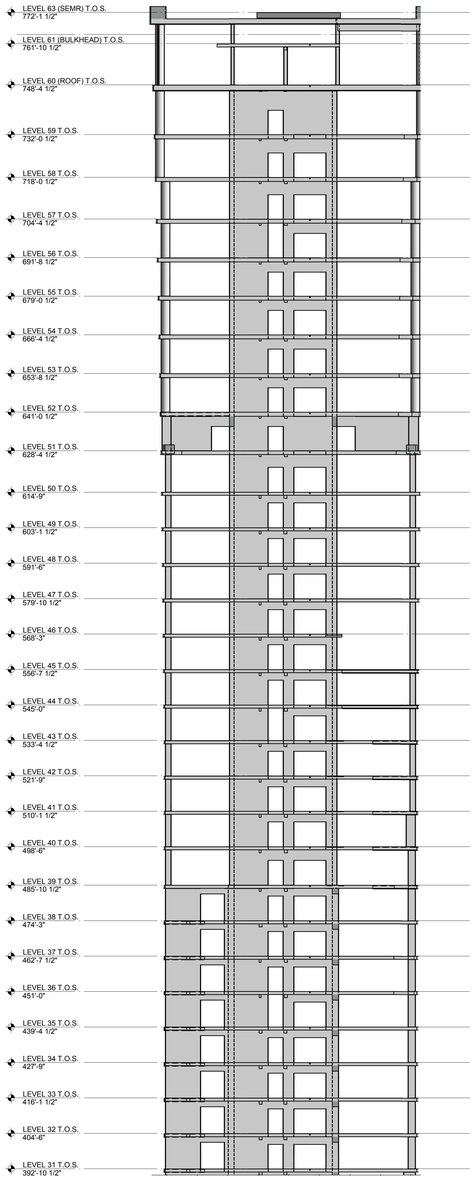
S-442.00

DWG NO:

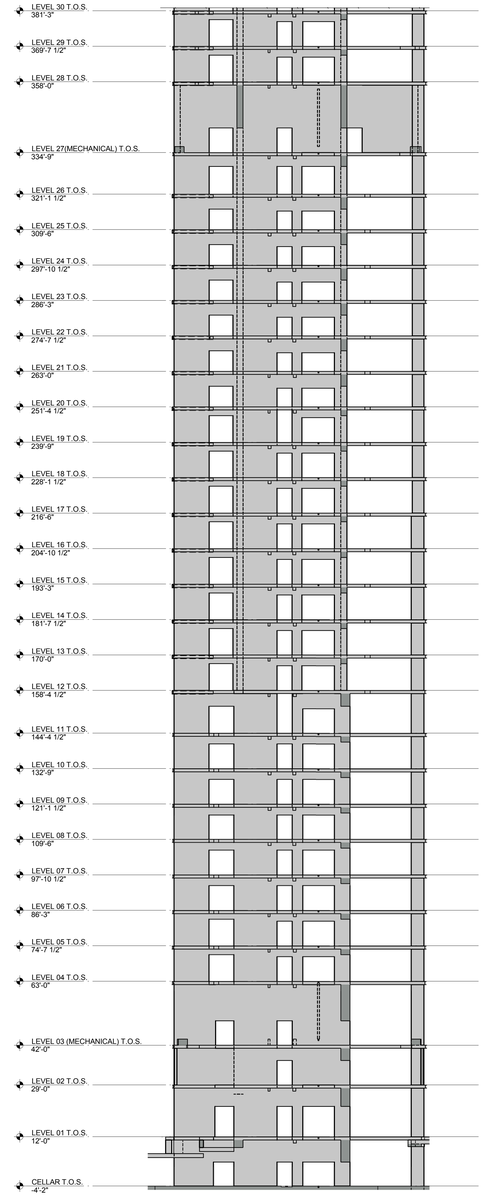
DEPT OF BLDGS 421323.00 Job Number
E5890567639 Scan Code



SHEARWALL KEY PLAN 3



2 SW LOOKING WEST 30TH THRU ROOF FLOORS
SCALE: 1/16" = 1'-0"

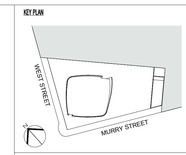


1 SW LOOKING WEST 1ST THRU 30TH
SCALE: 1/16" = 1'-0"

DRAWING NOTES:

1. SHEAR WALL REINFORCEMENT NOT SHOWN FOR CLARITY. REFER TO DWGS. S-411 - S-428 FOR REINFORCEMENT INFORMATION AND DIMENSIONS NOT SHOWN.
2. REFER TO SHEAR WALL REINFORCEMENT PLANS FOR ALL LINK BEAM INFORMATION.
3. CAISSON REINFORCEMENT NOT SHOWN FOR CLARITY. REFER TO FO-SERIES DWGS. FOR CAISSON INFORMATION NOT SHOWN.
4. CHANGES TO OPENINGS SHOWN SHALL BE SUBMITTED TO ENGINEER FOR REVIEW PRIOR TO START OF WORK.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

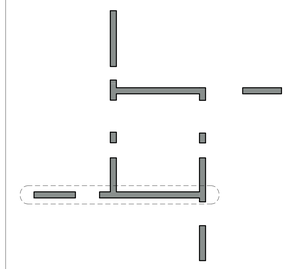
DWG TITLE:
SHEAR WALL ELEVATION III

SEAL & SIGNATURE:

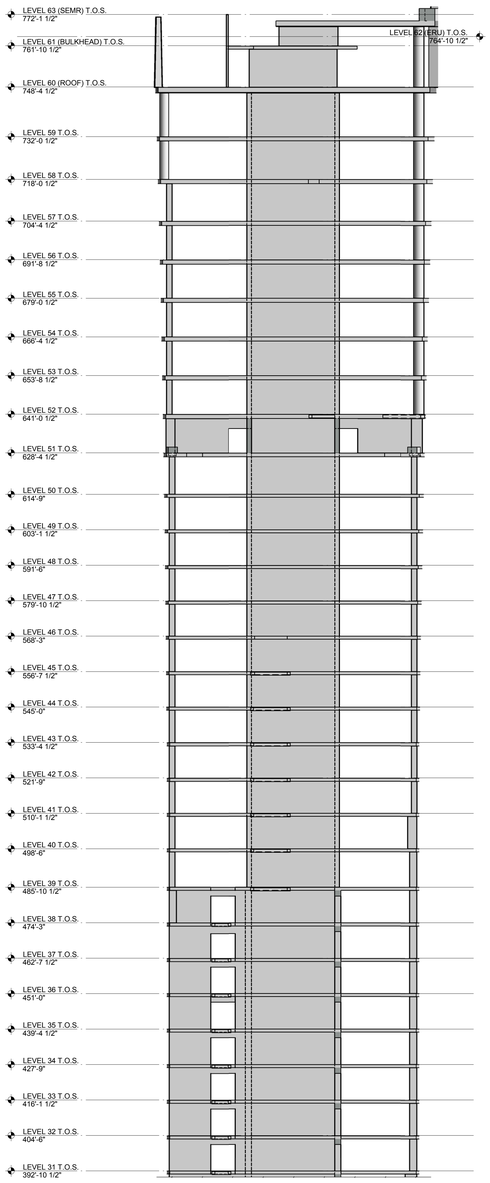
STATE OF NEW YORK
JOSEPH V. DESIMONE
074933
LICENSED PROFESSIONAL ENGINEER

DATE: **09/15/14**
PROJECT #: **14077.00**
SCALE: **As indicated**
DWG NO: **S-443.00**

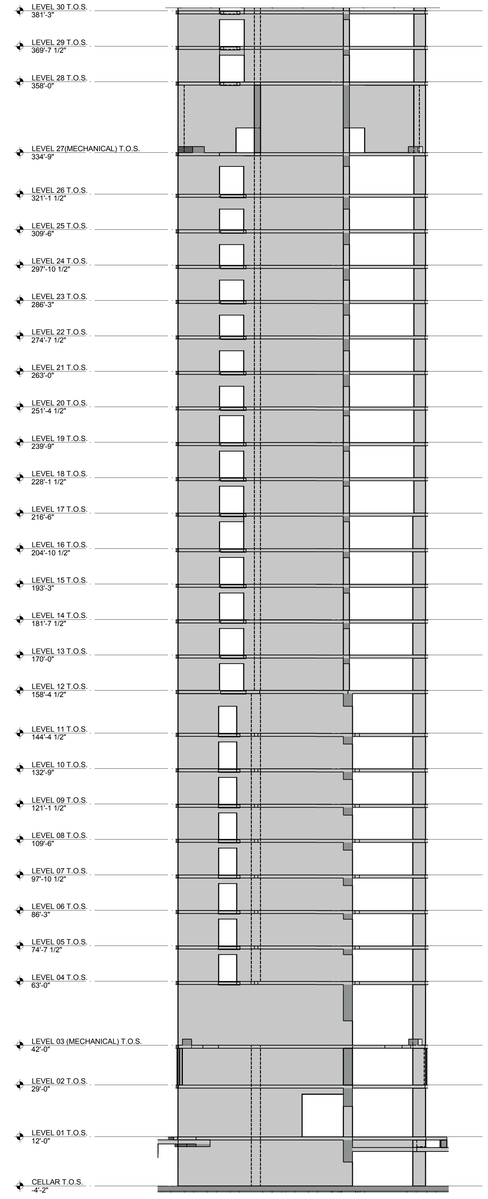
DEPT OF BLDGS 421323.00 Job Number
E3857990043 Scan Code



SHEARWALL KEY PLAN 4



2 SW LOOKING NORTH 30TH THRU ROOF FLOORS
SCALE: 1/16" = 1'-0"

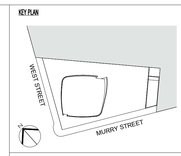


1 SW LOOKING NORTH 1ST THRU 30TH
SCALE: 1/16" = 1'-0"

DRAWING NOTES:

1. SHEAR WALL REINFORCEMENT NOT SHOWN FOR CLARITY. REFER TO DWGS. S-411 - S-428 FOR REINFORCEMENT INFORMATION AND DIMENSIONS NOT SHOWN.
2. REFER TO SHEAR WALL REINFORCEMENT PLANS FOR ALL LINK BEAM INFORMATION.
3. CAISSON REINFORCEMENT NOT SHOWN FOR CLARITY. REFER TO FO-SERIES DWGS. FOR CAISSON INFORMATION NOT SHOWN.
4. CHANGES TO OPENINGS SHOWN SHALL BE SUBMITTED TO ENGINEER FOR REVIEW PRIOR TO START OF WORK.

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO. 7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 215.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaugat Shaikh
Buildings
APPROVED
Under Directive 14 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SHEAR WALL ELEVATION IV

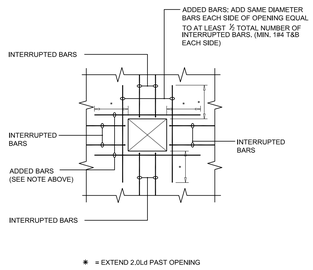
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 14077.00
SCALE: As indicated

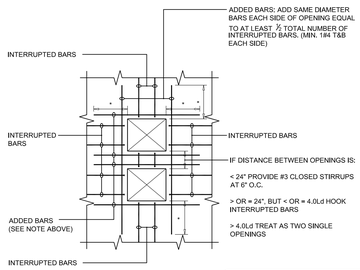
S-444.00

DWG NO:

DEPT OF BLDGS 121323.10 Job Number
ES1726207.05 Scan Code



SINGLE OPENING



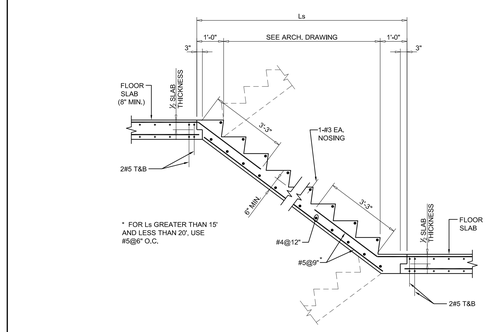
MULTIPLE OPENINGS

NOTES:

1. HOOK ALL INTERRUPTED BARS.
2. OMIT ADDED BARS IF STANDARD BAR SPACING CAN BE PLACED ON EITHER SIDE OF THE OPENING.
3. WHERE OPENINGS ARE NEAR OR AGAINST EXTERIOR BEAMS OR COLUMNS AND ADDED REINFORCEMENT CANNOT BE EXTENDED 2.0Ld, HOOK ADDED BARS.

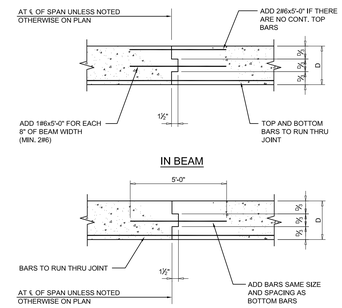
3 TYPICAL REINFORCING AT SLAB OPENING DETAIL

SCALE: 1/2"=1'-0"



2 TYPICAL STAIR DETAIL

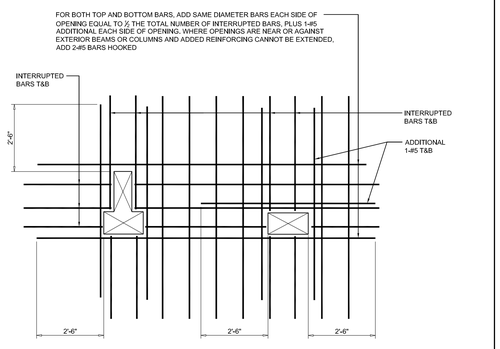
SCALE: 1/2"=1'-0"



IN FRAMED SLAB

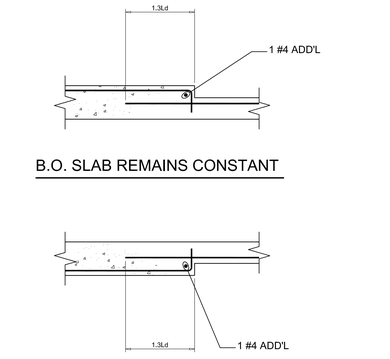
1 TYPICAL CONSTRUCTION JOINT DETAILS

SCALE: 1/2"=1'-0"



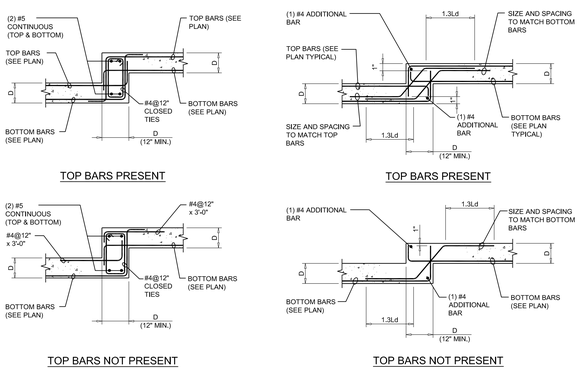
6 TYPICAL BATHROOM SLAB OPENING DETAIL

SCALE: 1/2"=1'-0"



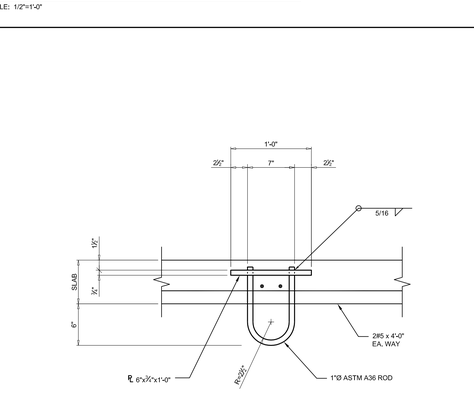
5 TYPICAL CHANGE IN SLAB THICKNESS DETAIL

SCALE: 3/4 = 1'-0"



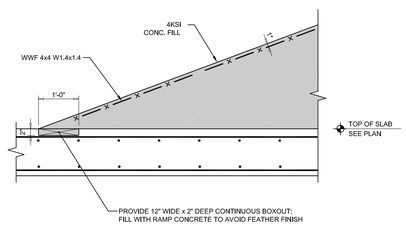
4 TYPICAL SLAB DROP DETAIL

SCALE: 1/2"=1'-0"



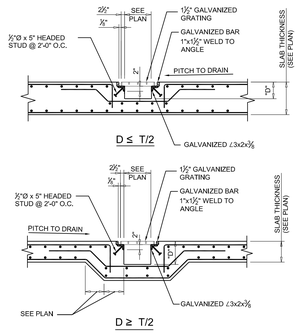
10 TYPICAL ELEVATOR HOIST HOOK DETAIL

SCALE: 1/2 = 1'-0"



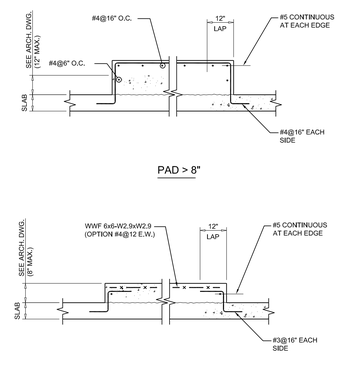
9 TYPICAL BUILT-UP RAMP DETAIL

SCALE: ...."=1'-0"



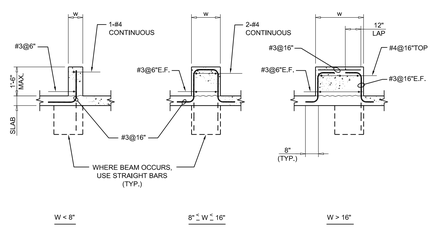
8 TYPICAL TRENCH DRAIN SECTION

SCALE: 1/2"=1'-0"



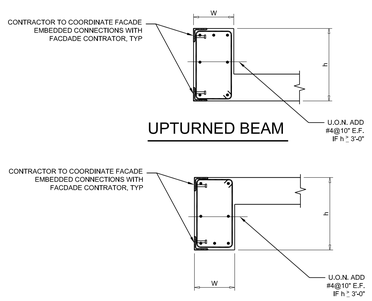
7 TYPICAL HOUSEKEEPING PAD DETAIL

SCALE: 1/2"=1'-0"



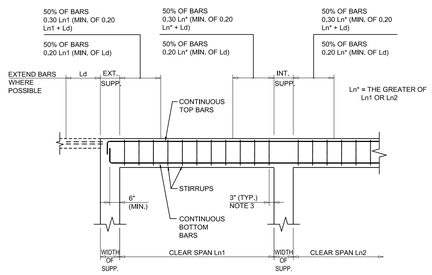
12 TYPICAL CONCRETE CURB DETAIL

SCALE: 1/2"=1'-0"



11 TYPICAL CONCRETE BEAM DETAIL

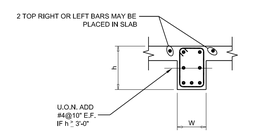
SCALE: N.T.S



NOTES:

1. Ld = DEVELOPMENT LENGTH - SEE GENERAL NOTES.
2. SEE BEAM SCHEDULE FOR SIZE AND NUMBER OF TOP BARS, BOTTOM BARS AND STIRRUPS.
3. IF STIRRUP SPACING IS LESS THAN 6", PLACE FIRST STIRRUP ½ SPACING FROM FACE OF SUPPORT. IF BEAM IS MORE THAN 6" WIDER THAN COLUMN ON EITHER SIDE, PROVIDE STIRRUPS OVER COLUMN.
4. NOT MORE THAN 50% OF BOTTOM BARS MAY BE TERMINATED 0.125L FROM FACE OF EACH SUPPORT, PROVIDE MINIMUM OF 2 BARS OR 25% CONTINUOUS.
5. LONGITUDINAL BARS MAY ONLY BE PLACED IN MULTIPLE LAYERS IF NOTED IN SCHEDULE. PROVIDE 1" CLEAR BETWEEN LAYERS.
6. ℄ OF THE GREATER OF THE TOP LEFT OR TOP RIGHT BARS, BUT A MINIMUM OF2 BARS, MUST BE CONTINUOUS.
7. CONTINUOUS TOP BARS MAY HAVE A CLASS A LAP SPLICE AT MID SPAN OF BEAM. CONTINUOUS BOTTOM BARS MAY HAVE A CLASS A LAP SPLICE AT OR NEAR THE SUPPORT.

(NOT PART OF LATERAL FRAME)



TYPICAL INTERIOR BEAM

KEY PLAN

Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/03/15	DOCUMENT ISSUE NO.7
	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

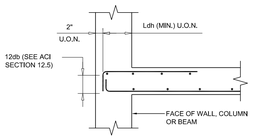
DWG TITLE:
TYPICAL SUPERSTRUCTURE CONCRETE DETAILS

SEAL & SIGNATURE:
STATE OF NEW YORK
Stephen V. Desimone
074893
LICENSED PROFESSIONAL ENGINEER

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	AS NOTED
DWG NO.	S-501.00

T:\PROJECTS\14077.00\CAD\S501.DWG OF

DEPT OF BLDGS 421323.00 Job Number
E380435845I Scan Code



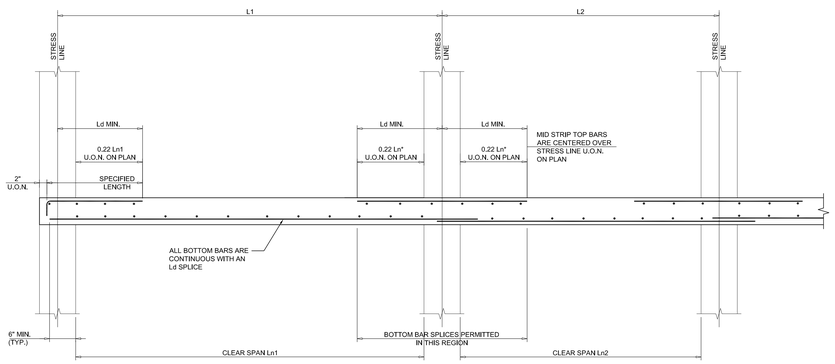
Ldh (IN INCHES)

BAR #	f'c						
	4000 psi	5000 psi	6000 psi	7000 psi	8000 psi	10000 psi	12000 psi
3	7	6	6	6	6	6	6
4	7	6	6	6	6	6	6
5	10	8	7	7	6	6	6
6	11	9	8	8	7	6	6
7	13	11	10	9	9	8	7
8	14	12	11	10	10	8	8
9	17	14	13	12	11	10	9
10	19	16	15	14	13	11	10
11	20	17	16	15	14	12	11

* ASSUMES Fy = 60 ksi

NOTES:
FOR LIGHT WEIGHT AGGREGATE MULTIPLY TABLE VALUES BY 1.3
FOR EPOXY COATED REBAR MULTIPLY TABLE VALUES BY 1.2
FOR Fy = 75 ksi MULTIPLY TABLE VALUES BY 1.25
COMBINATIONS OF EFFECTS DUE TO CONCRETE DENSITY AND EPOXY COATING ARE CUMULATIVE

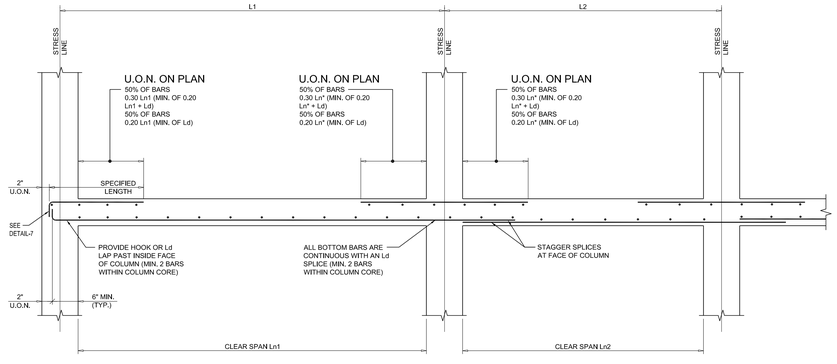
3 HOOK LENGTHS FOR CONNECTIONS
SCALE: 1/2"=1'-0"



MIDDLE STRIP

Ln* = THE GREATER OF Ln1 OR Ln2

2 TYP. CONCRETE FLAT SLAB DETAIL: MIDDLE STRIP
SCALE: 1/2"=1'-0"

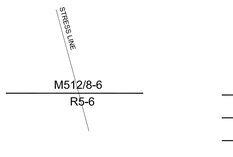


COLUMN STRIP

Ln* = THE GREATER OF Ln1 OR Ln2

1 TYP. CONCRETE FLAT SLAB DETAIL: COLUMN STRIP
SCALE: 1/2"=1'-0"

PLAN DESIGNATION

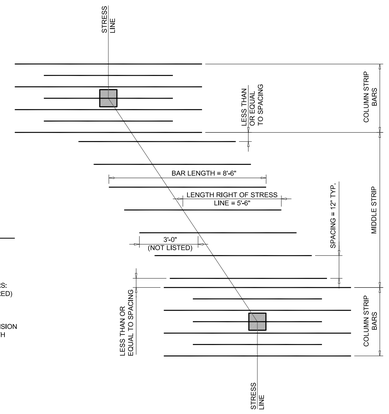


IF NOT SHOWN ON PLAN PROVIDE THE FOLLOWING MIDDLE STRIP TOP BAR REINFORCEMENT

MINIMUM MIDDLE STRIP REINFORCEMENT	
SLAB THICKNESS	REINFORCEMENT
8"	#4 @ 12" O.C.
9"	#4 @ 12" O.C.
10"	#4 @ 10" O.C.
11"	#4 @ 10" O.C.
12"	#5 @ 12" O.C.

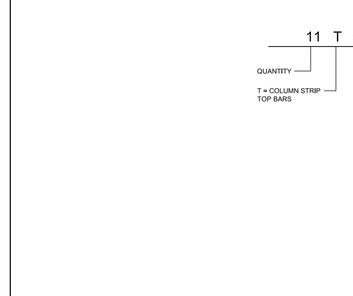
NOTE:
RIGHT AND LEFT DIRECTIONS ARE ORIENTED RELATIVE TO THE DESIGNATION TEXT.

MIDDLE STRIP TOP BAR PLACEMENT



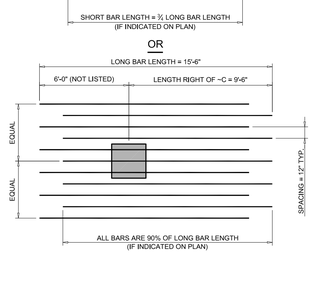
5 MIDDLE STRIP TOP BAR PLACEMENT

PLAN DESIGNATION



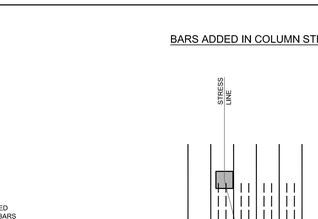
NOTE:
RIGHT AND LEFT DIRECTIONS ARE ORIENTED RELATIVE TO THE DESIGNATION TEXT.

COLUMN STRIP TOP BAR PLACEMENT OPTIONS



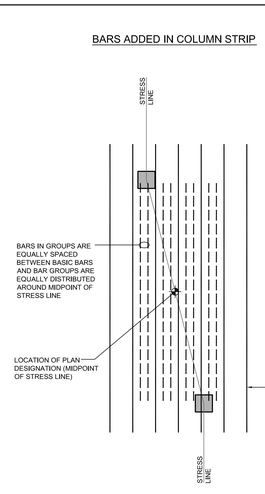
4 COLUMN STRIP TOP BAR PLACEMENT

PLAN DESIGNATION

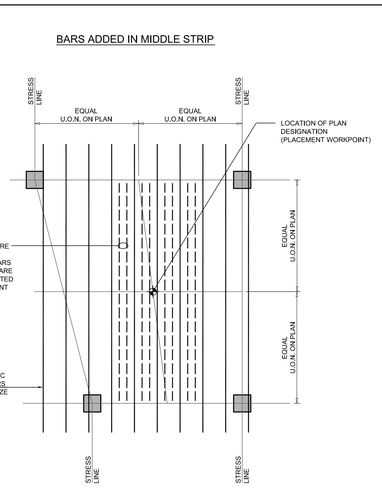


NOTE:
IF NUMBER OF ADDED BAR GROUPS IS NOT SPECIFIED, ADDED BARS SHOULD BE EVENLY DISTRIBUTED ACROSS THE ENTIRE COLUMN OR MIDDLE STRIP WIDTH.

BARS ADDED IN COLUMN STRIP

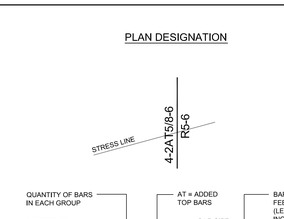


BARS ADDED IN MIDDLE STRIP



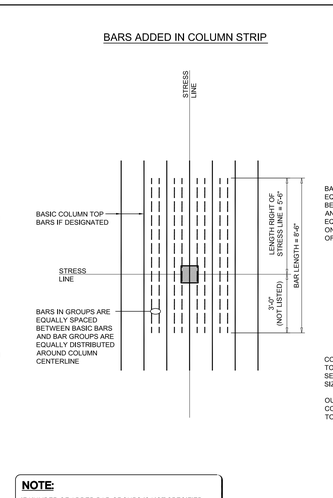
7 ADDED BOTTOM BAR PLACEMENT

PLAN DESIGNATION

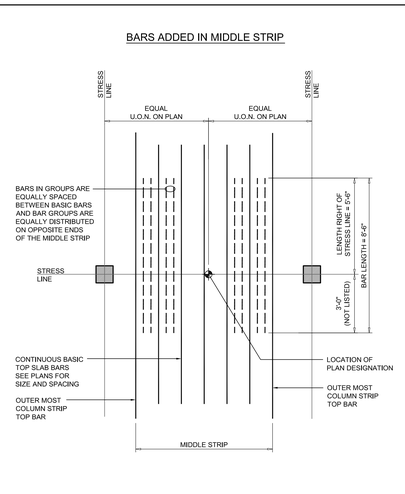


NOTE:
RIGHT AND LEFT DIRECTIONS ARE ORIENTED RELATIVE TO THE DESIGNATION TEXT.

BARS ADDED IN COLUMN STRIP



BARS ADDED IN MIDDLE STRIP



NOTE:
IF NUMBER OF ADDED BAR GROUPS IS NOT SPECIFIED, ADDED BARS SHOULD BE EVENLY DISTRIBUTED ACROSS THE ENTIRE COLUMN OR MIDDLE STRIP WIDTH.

6 ADDED TOP BAR PLACEMENT

KEY PLAN

Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	03/09/15	DOB ISSUE
	02/03/15	DOCUMENT ISSUE NO.7
	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

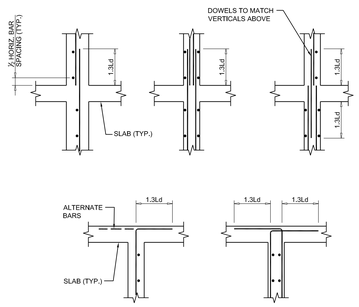
DWG TITLE:
TYPICAL SUPERSTRUCTURE CONCRETE DETAILS

SEAL & SIGNATURE:
STATE OF NEW YORK
STEVEN V. DESIMONE
LICENSED PROFESSIONAL ENGINEER
074955

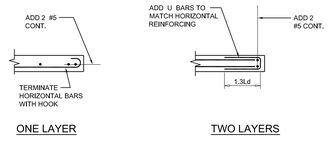
DATE:	05/15/14
PROJECT #:	14077.00
SCALE:	AS NOTED
DWG NO.	S-502.00

I:\PROJECTS\14077.00\REVIT\14077.00_S502.RVT

DEPT OF BLDGS 321321.00 Job Number
E313510070 Scan Code

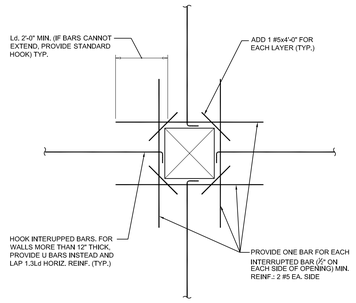


4 TYP. WALL-SLAB INTERSECTION DETAILS
N.T.S

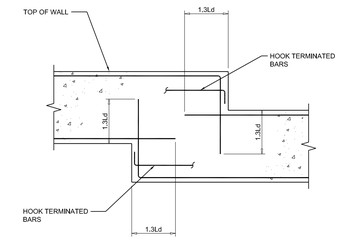


ONE LAYER TWO LAYERS

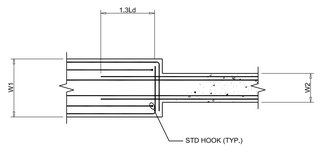
3 TYPICAL WALL END DETAILS
N.T.S.



2 TYP. REINFORCEMENT @ WALL OPENING
N.T.S.

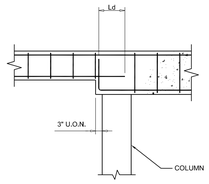


1 TYPICAL REINFORCEMENT DETAILS AT STEPS IN TOP OR BOTTOM OF WALL
N.T.S

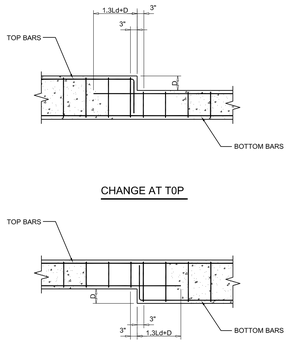


PLAN AT TOP OR BOTTOM BARS

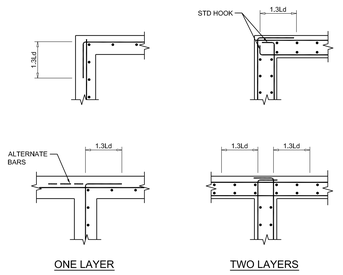
8 TYPICAL DETAIL OF CHANGE OF BEAM WIDTH
N.T.S.



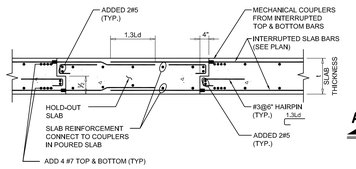
7 TYPICAL DETAIL OF CHANGE IN BEAM DEPTH AT COLUMN
N.T.S.



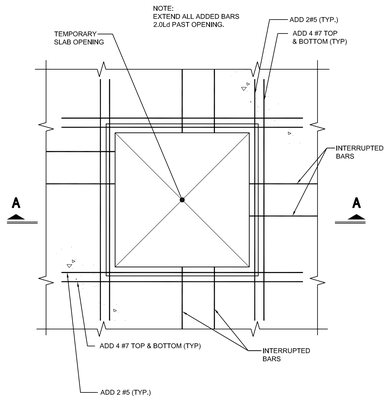
6 TYPICAL DETAIL OF CHANGE IN BEAM DEPTH BETWEEN SUPPORTS
N.T.S



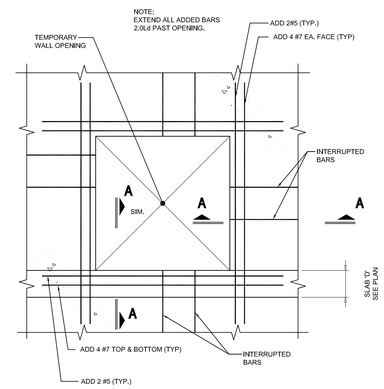
5 TYPICAL WALL INTERSECTION DETAILS
N.T.S



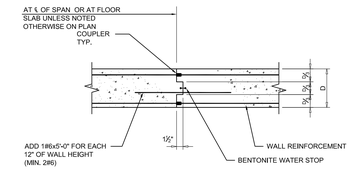
SECTION A-A



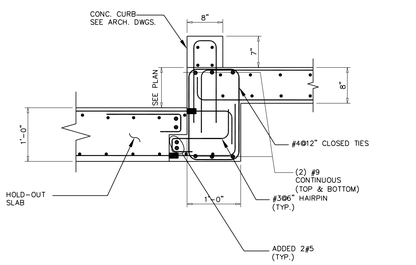
10 TYPICAL DETAIL AT TEMPORARY HOLD-OUT SLAB
N.T.S.



9 TYPICAL DETAIL AT TEMPORARY HOLD-OUT WALL
N.T.S.



SECTION A-A



NOTE:
REFER TO DETAIL 11/S-503 FOR HOLD-OUT SLAB INFORMATION NOT SHOWN.

11 INFILL SLAB DETAIL @ SLAB DROP
SCALE: 1"=1'-0"

KEY PLAN

Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/03/15	DOCUMENT ISSUE NO.7
	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel. 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

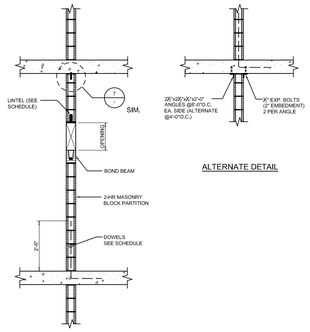
DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
TYPICAL SUPERSTRUCTURE CONCRETE DETAILS

SEAL & SIGNATURE:
STATE OF NEW YORK
074935
REGISTERED PROFESSIONAL ENGINEER

DATE:	05/15/14
PROJECT #:	14077.00
SCALE:	AS NOTED
DWG NO.	S-503.00

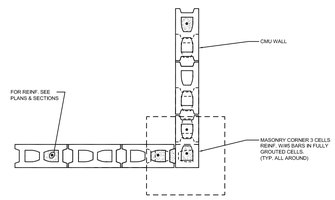
DEPT OF BLDGS 421323 00 Job Number
ES4/7/2015 Scan Code



ALTERNATE DETAIL

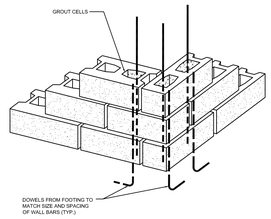
4 TYPICAL WALL SECTION

SCALE: 3/8"=1'-0"



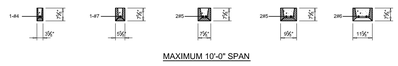
3 TYPICAL CORNER DETAIL

SCALE: 3/8"=1'-0"



2 CORNER DETAILL

SCALE: 3/8"=1'-0"



NOTES:

1. LINTELS ARE DESIGNED TO CARRY CONCRETE BLOCK OR LIGHTER WALL CONSTRUCTION ONLY.
2. LINTELS ARE NOT DESIGN TO CARRY ANY FLOOR OR ROOF LOAD.
3. LINTELS ARE DESIGNED TO CARRY RUNNING BOND CONSTRUCTION ONLY.

1 CMU LINTEL DETAIL

SCALE: 3/8"=1'-0"

TYPICAL INTERIOR MASONRY WALL REINFORCEMENT SCHEDULE

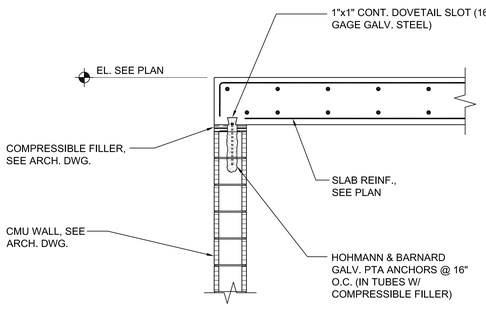
WALL HEIGHT H	WALL THICKNESS T	VERTICAL REINFORCEMENT	HORIZONTAL REINFORCEMENT
0'-0" TO 12'-0"	8"	#4@48"	DURO-WALL AT EVERY OTHER COURSE
12'-0" TO 16'-0"	10"	#4@24"	DURO-WALL AT EVERY OTHER COURSE
16'-0" TO 20'-0"	12"	#5@24"	DURO-WALL AT EVERY OTHER COURSE

NOTES:

1. PROVIDE #4 BAR AT WALL ENDS, WALL CORNERS AND AROUND ALL OPENINGS, (SIMILAR TO DETAILS 1 TO 3 THIS SHEET).
2. f'm = 1500 psi.
3. DOWELS TO MATCH VERTICAL REINFORCEMENT.

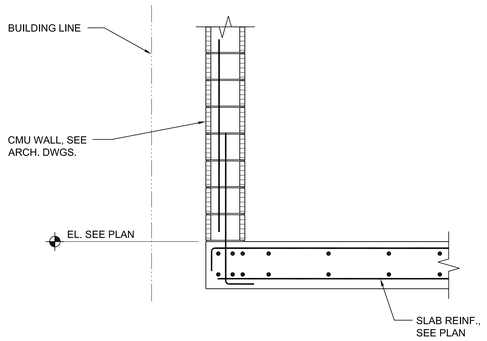
8 PARTITION WALL SCHEDULE

SCALE: 1/2"=1'-0"



7 TOP ATTACHEMENT DETAIL FOR EXTERIOR WALL

SCALE: 3/4"=1'-0"



6 TYPICAL DOWEL DETAIL FOR MASONRY WALL

SCALE: 3/4"=1'-0"

STEEL LINTEL SCHEDULE

WALL THICKNESS T	MAX. SPAN W	LINTEL
8"	UP TO 4'	2-d 3½x3½x5/16"
"	4' TO 6'	2-d 3½x3½x½"
"	6' TO 8'	2-d 5½x3½x½" LONG LEG VERT.
10"	UP TO 4'	2-d 4x4x5/16"
"	4' TO 6'	2-d 4x4x½"
"	6' TO 8'	2-d 6x4x½" LONG LEG VERT.
"	8' TO 10'	2-d 6x4x½" LONG LEG VERT.
12"	UP TO 4'	2-d 5½x3½x½" LONG LEG VERT.
"	4' TO 6'	2-d 5x5x5/16"
"	6' TO 8'	2-d 5x5x½"
"	8' TO 10'	2-d 5x5x½"

5 ALTERNATE STEEL LINTEL SCHEDULE

SCALE: 3/8"=1'-0"

KEY PLAN

Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	03/03/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

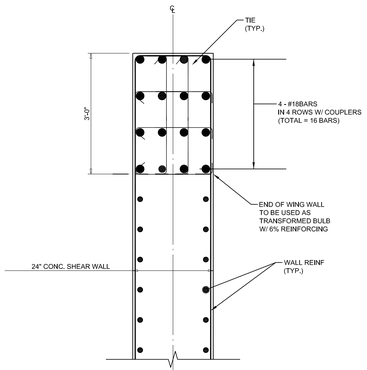
DWG TITLE:
TYPICAL SUPERSTRUCTURE MASONRY DETAILS

SEAL & SIGNATURE:
STATE OF NEW YORK
STEPHEN V. ENDRES
074935
LICENSED PROFESSIONAL ENGINEER

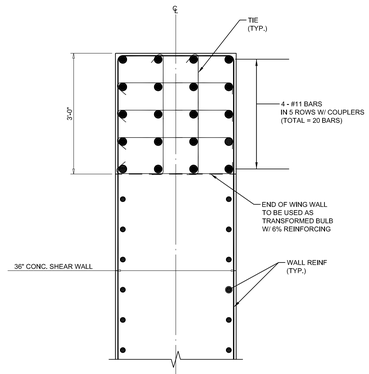
DATE: 05/15/14
PROJECT #: 14077.00
SCALE: AS NOTED
DWG NO. S-504.00

I:\PROJECTS\14077.00\CAD\S504.DWG OF

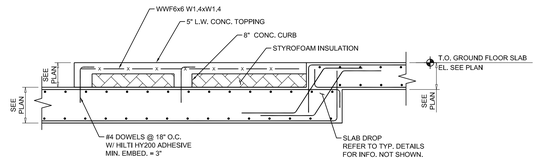
DEPT OF BLDGS 121323.00 Job Number
E3352759695 Scan Code



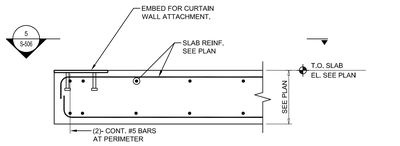
4 DETAIL - TRANSFORMED BULB (24" WING WALL)
SCALE: 3/4"=1'-0"



3 DETAIL - TRANSFORMED BULB (36" WING WALL)
SCALE: 3/4"=1'-0"

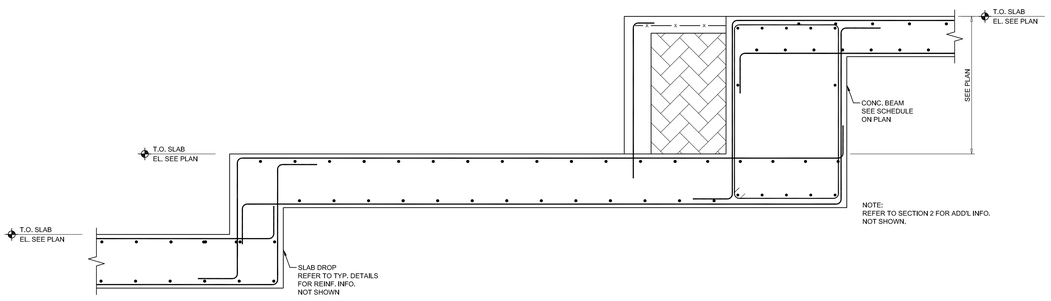


2 SECTION @ BUILT-UP SLAB
SCALE: 1/2"=1'-0"

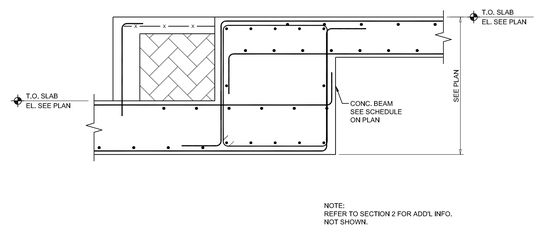


NOTE:
LOCATION OF EMBED FOR CURTAIN WALL
ATTACHMENT TO BE COORDINATED
WITH CURTAIN WALL CONTRACTOR

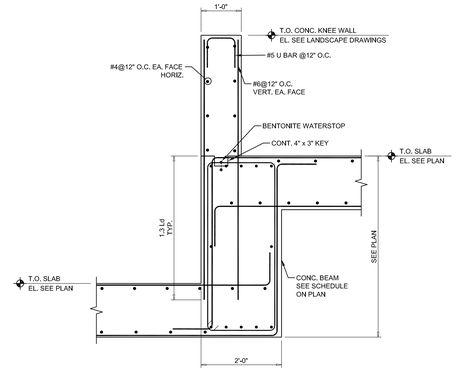
1 DETAIL - TYP. SLAB EDGE CONDITION
SCALE: 3/4"=1'-0"



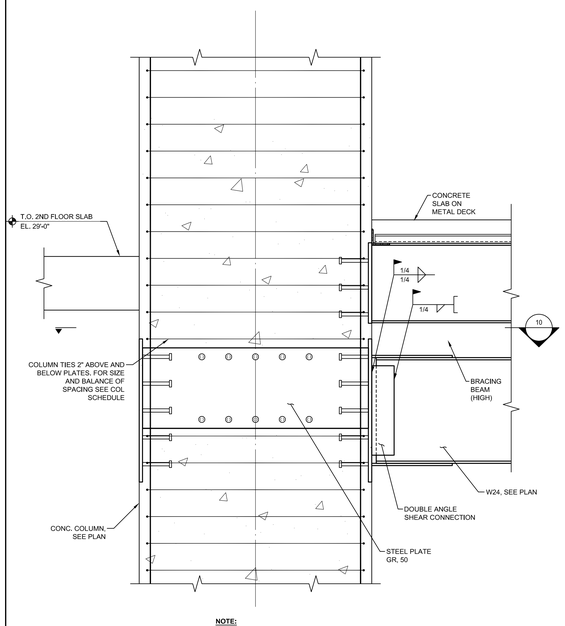
7 SECTION: - GROUND FL. SLAB DROP
SCALE: 3/4"=1'-0"



6 SECTION: - GROUND FL. SLAB DROP
SCALE: 3/4"=1'-0"



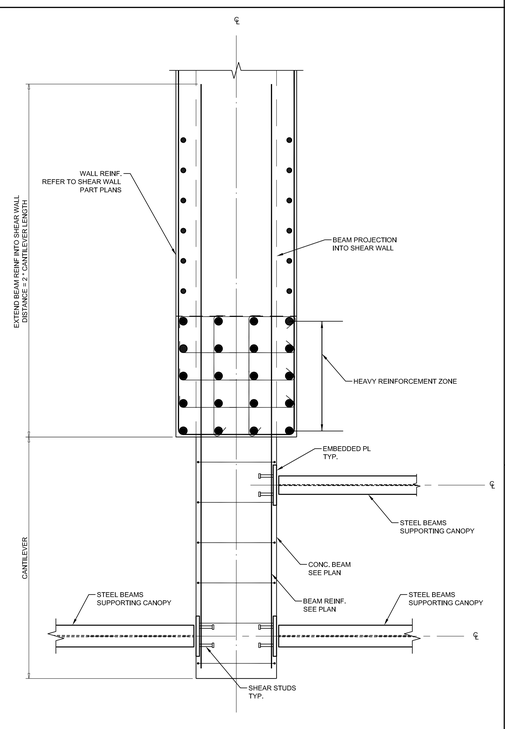
5 SECTION: - GROUND FL. SLAB DROP W/ KNEE WALL
SCALE: 3/4"=1'-0"



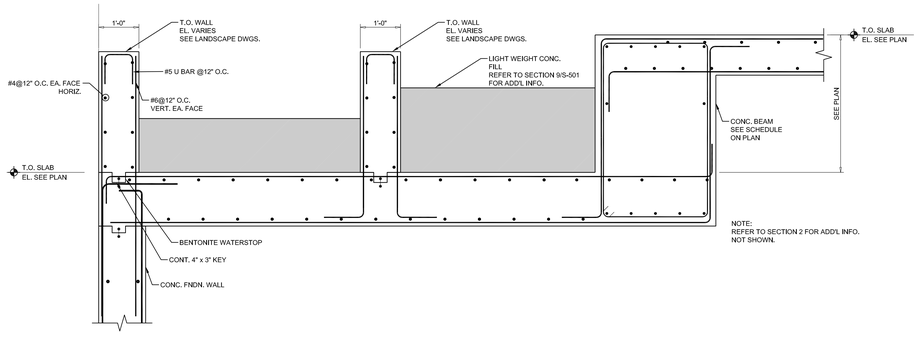
NOTE:

1. SLAB REINF. NOT SHOWN FOR CLARITY.

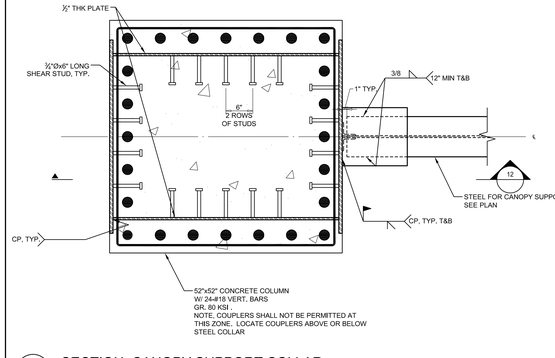
12 SECTION: CANOPY SUPPORT COLLAR
SCALE: 1"=1'-0"



9 DETAIL: CANTILEVER BEAM @ SHEAR WALL
SCALE: 3/4"=1'-0"

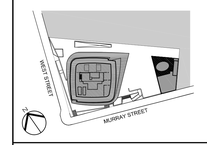


8 SECTION: - GROUND FL. SLAB DROP-RAMP
SCALE: 3/4"=1'-0"



10 SECTION: CANOPY SUPPORT COLLAR
SCALE: 1"=1'-0"

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:

Shaukat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

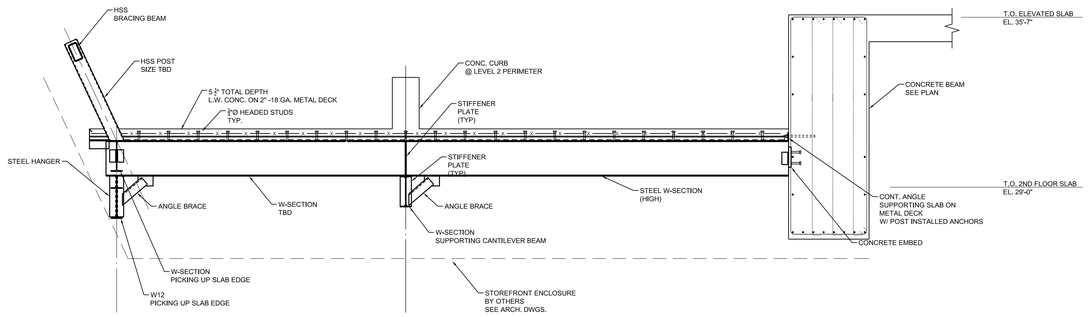
DWG TITLE:
SUPERSTRUCTURE
CONCRETE DETAILS

SEAL & SIGNATURE:
STATE OF NEW YORK
074933
LICENSED PROFESSIONAL ENGINEER

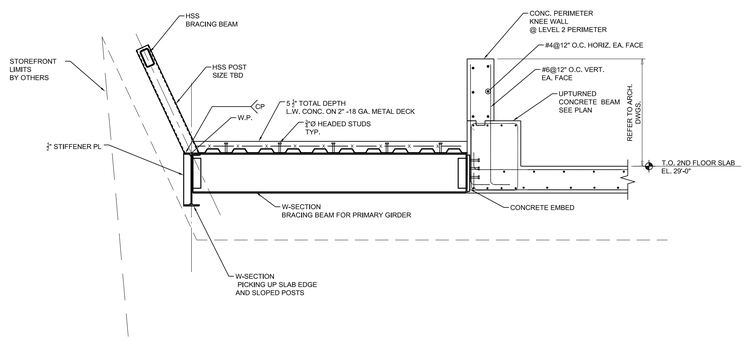
DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	AS NOTED
DWG NO.	**S-505.00**

T:\PROJECTS\14077\CAD\DWG\DR27 OF

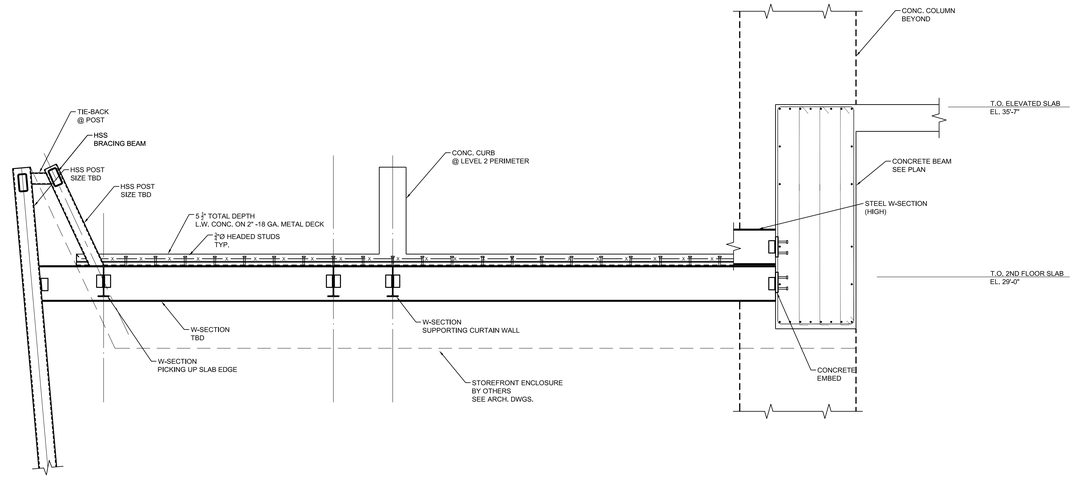
DEPT OF BLDGS 121323.00 Job Number
E1501254538 Scan Code



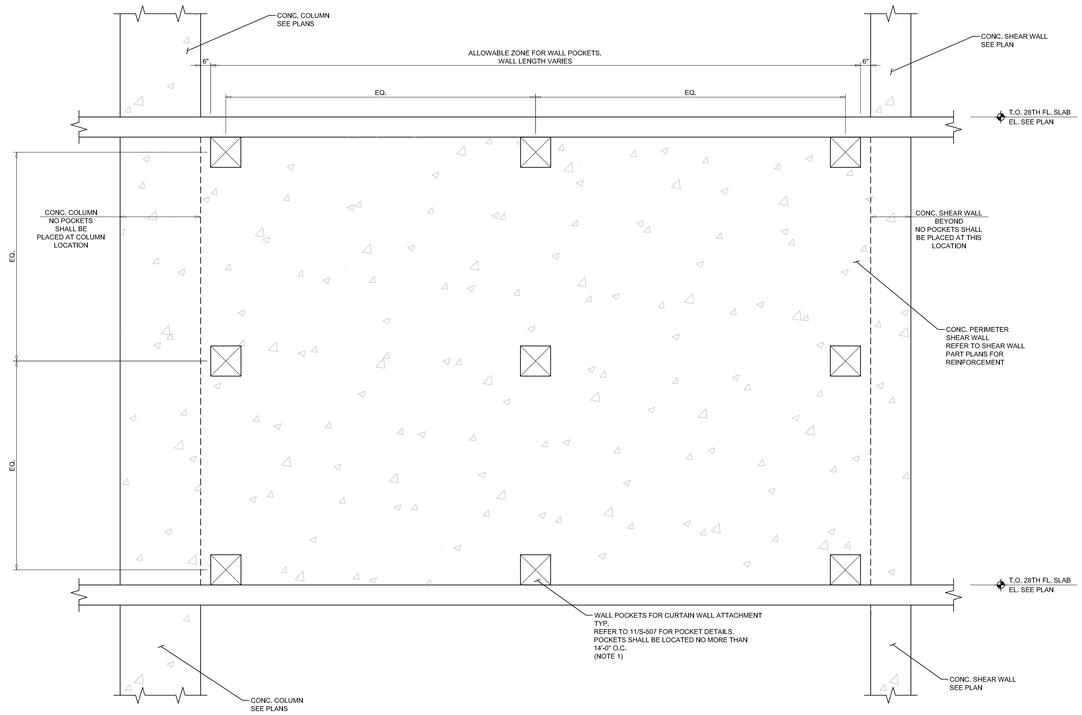
2 SECTION @ ENTRANCE CANOPY
SCALE: 1/2" = 1'-0"



3 SECTION @ ENTRANCE CANOPY
SCALE: 1/2" = 1'-0"

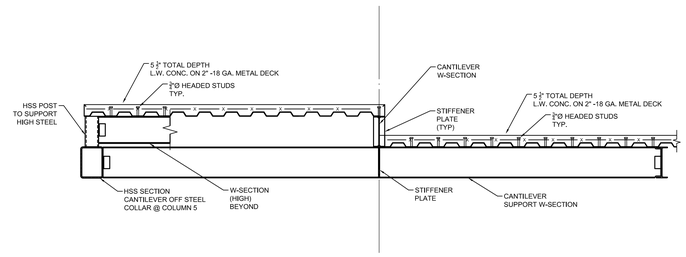


1 SECTION @ ENTRANCE CANOPY
SCALE: 1/2" = 1'-0"

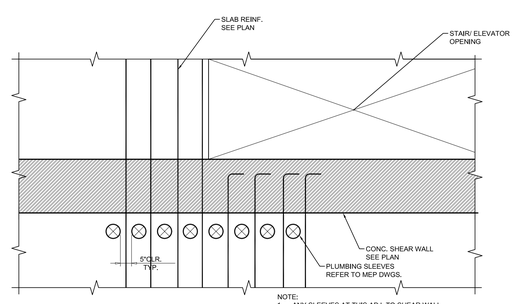


NOTES:
1. FINAL POCKET DIMENSIONS AND LOCATIONS SHALL BE SUBJECT TO COORDINATION WITH CURTAIN WALL CONTRACTOR
2. REINFORCEMENT NOT SHOWN FOR CLARITY.

7 ELEVATION: PERIMETER SHEAR WALLS @ 27TH FL
SCALE: 1"=1'-0"

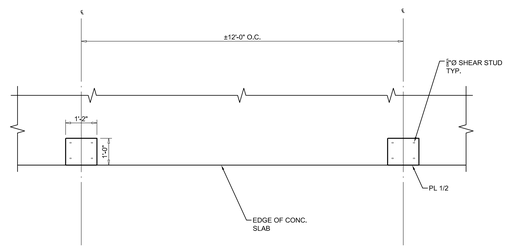


4 SECTION @ ENTRANCE CANOPY
SCALE: 1/2" = 1'-0"



NOTE:
1. ANY SLEEVES AT THIS ADJ. TO SHEAR WALL REQUIRING CLR. SPACING LESS THAN 5" SHALL BE SUBMITTED TO ENGINEER FOR REVIEW.
2. LOCATE SLEEVES TO ALLOW TYP. SLAB REINFORCEMENT TO BYPASS.

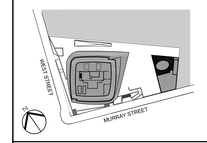
6 DETAIL: REINF. @ SLEEVES ADJ. TO SHEAR WALL
SCALE: 1"=1'-0"



NOTE:
EMBEDS FOR CURTAIN WALL SUPPORT WILL BE CONTINUOUS AROUND ALL FLOOR SLABS.
REFER TO SECTION 1/ S-507, FOR DETAIL WHERE HSS SUPPORT IS REQUIRED TO CARRY CURTAIN WALL.

5 DETAIL: CURTAIN WALL EMBED. TYP. FLOORS
SCALE: 1"=1'-0"

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel. 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

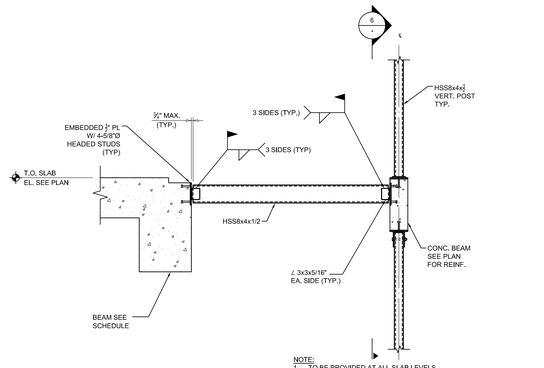
DWG TITLE:
SUPERSTRUCTURE
CONCRETE DETAILS

SEAL & SIGNATURE:
STATE OF NEW YORK
MATTHEW V. ENSINK
074935
LICENSED PROFESSIONAL ENGINEER

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	AS NOTED
DWG NO.	**S-506.00**

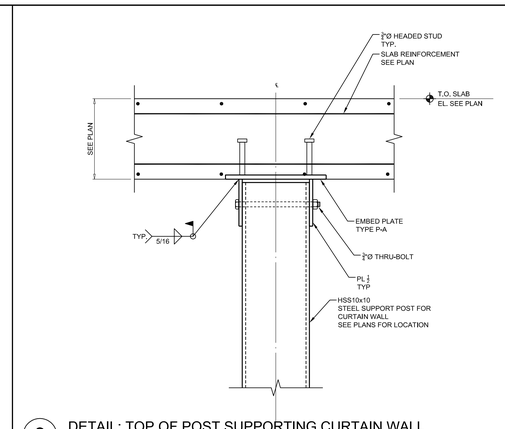
C:\PROJECTS\14077.00\DWG\S506.DWG

DEPT OF BLDGS 321321.10 Job Number
B350577ACP0 Scan Code

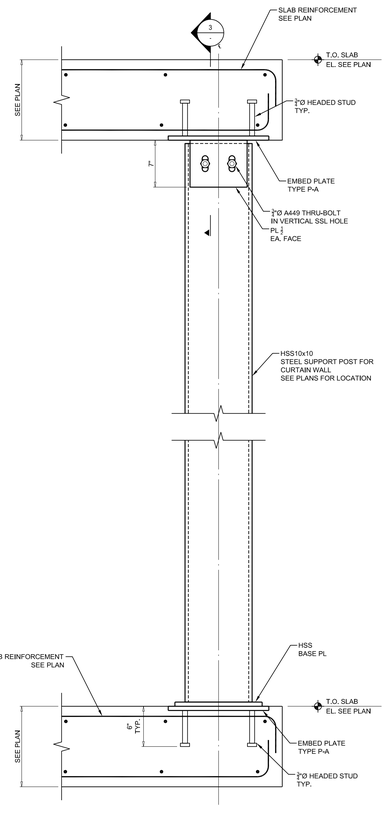


NOTE:
1. TO BE PROVIDED AT ALL SLAB LEVELS.
2. WHERE FLOOR HEIGHT EXCEEDS 14'-0" PROVIDE ADDITIONAL POST SUPPORTS AND DIVIDER BEAMS FOR PASSENGER ELEVATOR RAILS., REFER TO DETAIL 8/S-506.00

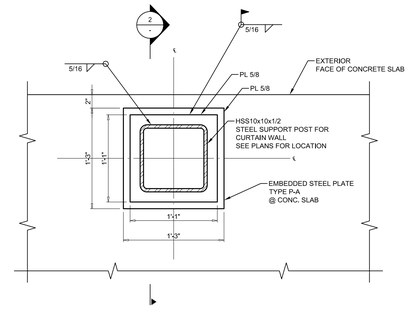
4 TYPICAL ELEVATOR SEPERATOR BEAM DETAIL
SCALE: 1/2"=1'-0"



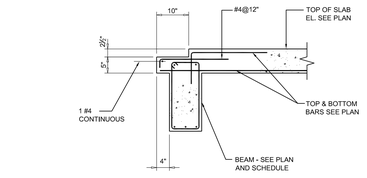
3 DETAIL: TOP OF POST SUPPORTING CURTAIN WALL
SCALE: 1 1/2"=1'-0"



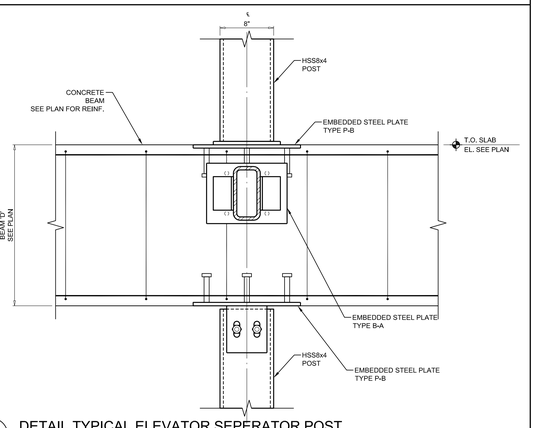
2 SECTION: POST SUPPORTING CURTAIN WALL
SCALE: 1 1/2"=1'-0"



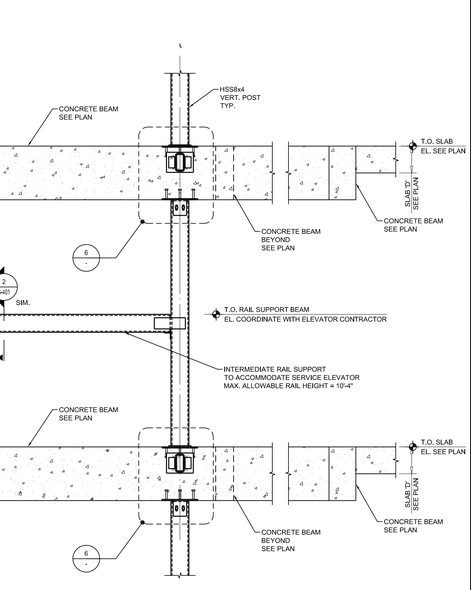
1 DETAIL: BASE OF POST SUPPORTING CURTAIN WALL
SCALE: 1 1/2"=1'-0"



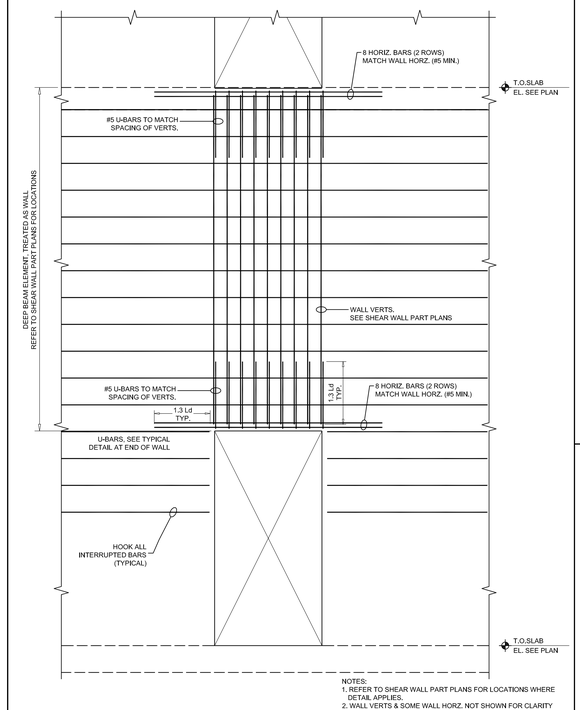
7 DETAIL - TYPICAL ELEVATOR OPENING EDGE DETAIL
SCALE: 1/2"=1'-0"



6 DETAIL TYPICAL ELEVATOR SEPERATOR POST
SCALE: 1 1/2"=1'-0"

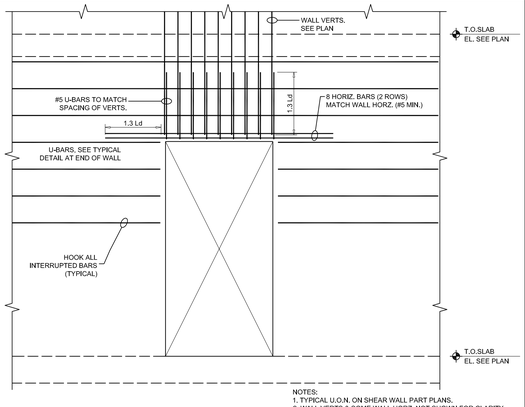


5 ELEVATION: TYP. ELEVATOR SEPERATOR POST
SCALE: 1/2"=1'-0"



NOTES:
1. REFER TO SHEAR WALL PART PLANS FOR LOCATIONS WHERE DETAIL APPLIES.
2. WALL VERTS & SOME WALL HORZ. NOT SHOWN FOR CLARITY

10 TYPICAL DETAIL AT SHEAR WALL DEEP LINK BEAMS.
SCALE: 1/2"=1'-0"

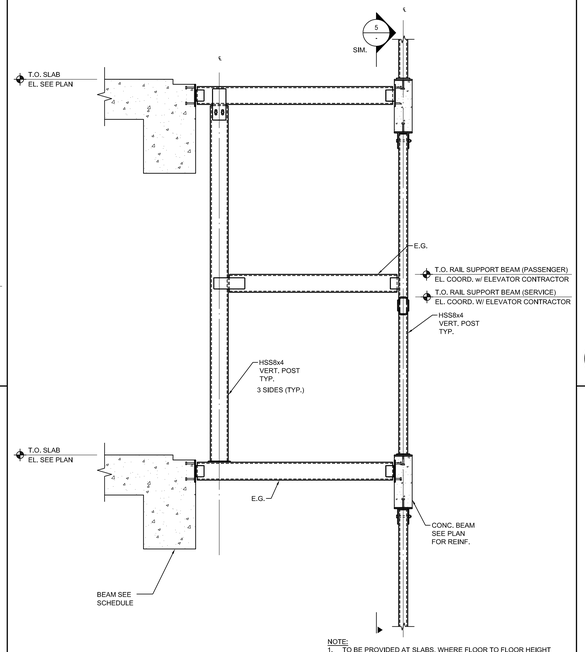


NOTES:
1. TYPICAL U.O.N. ON SHEAR WALL PART PLANS.
2. WALL VERTS & SOME WALL HORZ. NOT SHOWN FOR CLARITY

9 TYPICAL DETAIL AT SHEAR WALL OPENING WITH NO OPENING ABOVE
SCALE: 1/2"=1'-0"

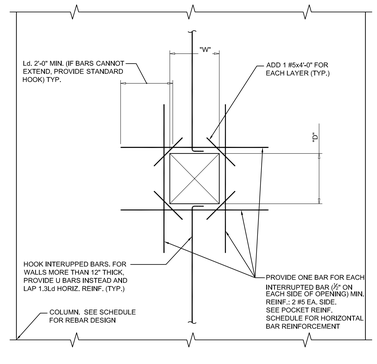
POCKET REINFORCEMENT SCHEDULE		
FLOOR	POCKET (W"XD")	HORIZONTAL REINFORCEMENT
27TH FLOOR	18"X18"	3-#5

12 SCHEDULE: WALL POCKET REINFORCEMENT.
SCALE: N.T.S



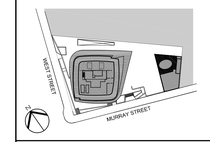
NOTE:
1. TO BE PROVIDED AT SLABS, WHERE FLOOR TO FLOOR HEIGHT EXCEEDS 14'-0"
2. REFER TO SECTION 4 FOR ADD'L INFORMATION NOT SHOWN.

8 DETAIL: ELEVATOR SEPERATOR BEAM DETAIL (FL TO FL > 14')
SCALE: 1/2"=1'-0"



11 DETAIL: WALL POCKET REINFORCEMENT.
SCALE: 1/2"=1'-0"

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

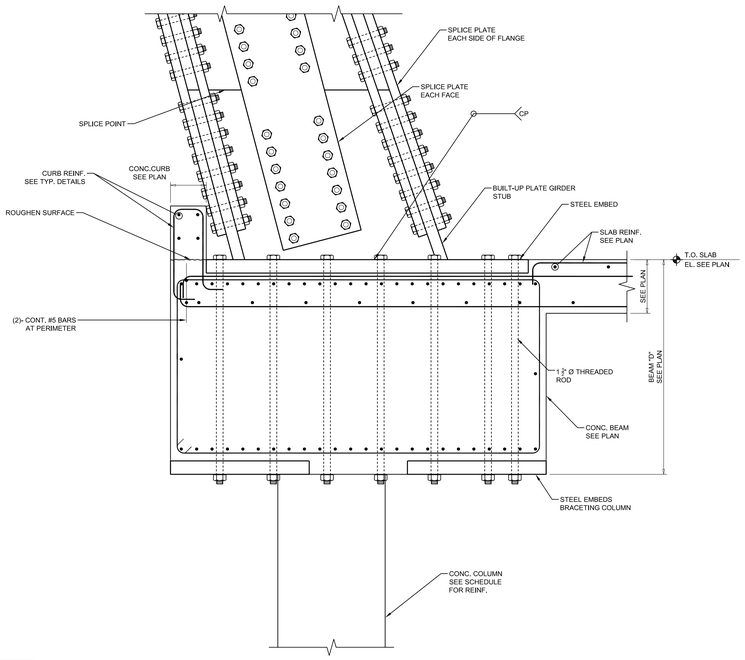
DWG TITLE:
SUPERSTRUCTURE CONCRETE DETAILS

SEAL & SIGNATURE:
STATE OF NEW YORK
STEPHEN V. DESIMONE
074893
LICENSED PROFESSIONAL ENGINEER

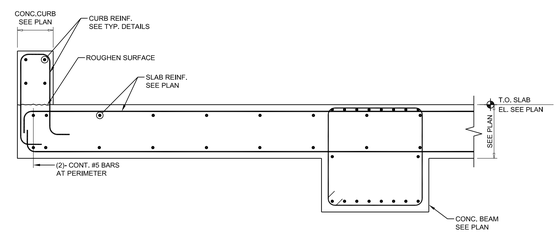
DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	AS NOTED
DWG NO.	S-507.00
	OF

T:\PROJECTS\14077.00\CAD\S507.DWG

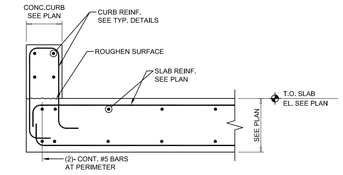
DEPT OF BLDGS 421323.00 Job Number
ES1600833377 Scan Code



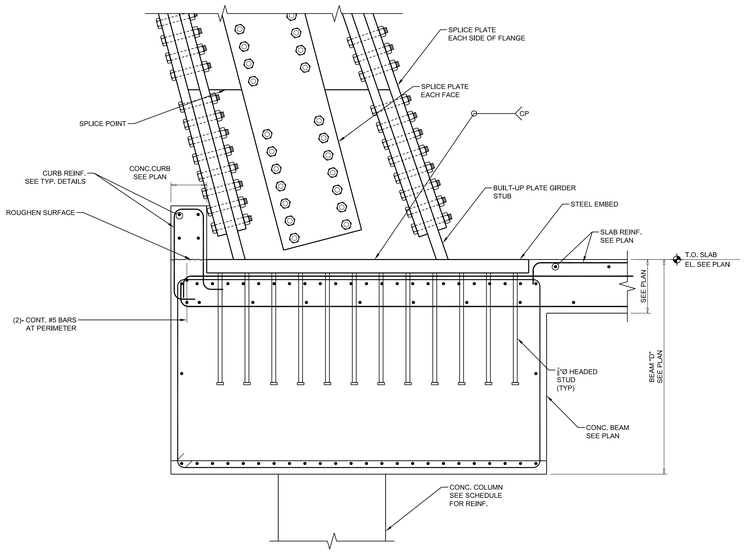
4 SECTION @ CROWN SUPPORT
SCALE: 1/2"=1'-0"



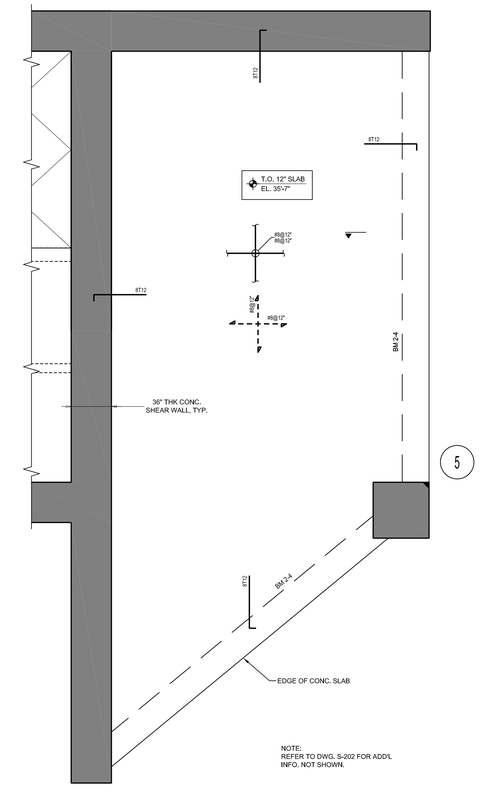
2 SECTION- EDGE OF ROOF SLAB
SCALE: 1"=1'-0"



1 SECTION - EDGE OF ROOF SLAB
SCALE: 1"=1'-0"

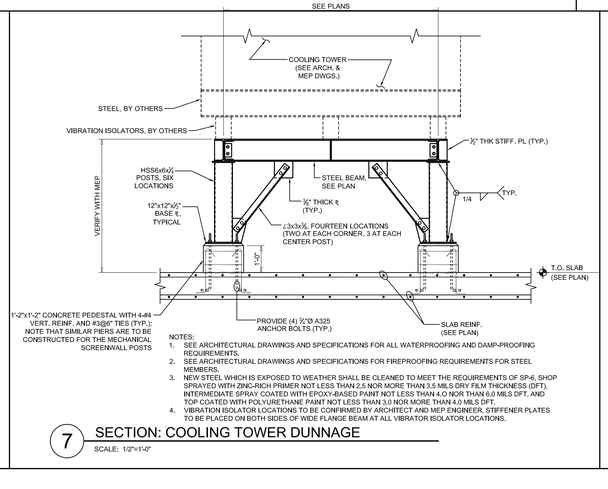


5 SECTION @ CROWN SUPPORT
SCALE: 1/2"=1'-0"



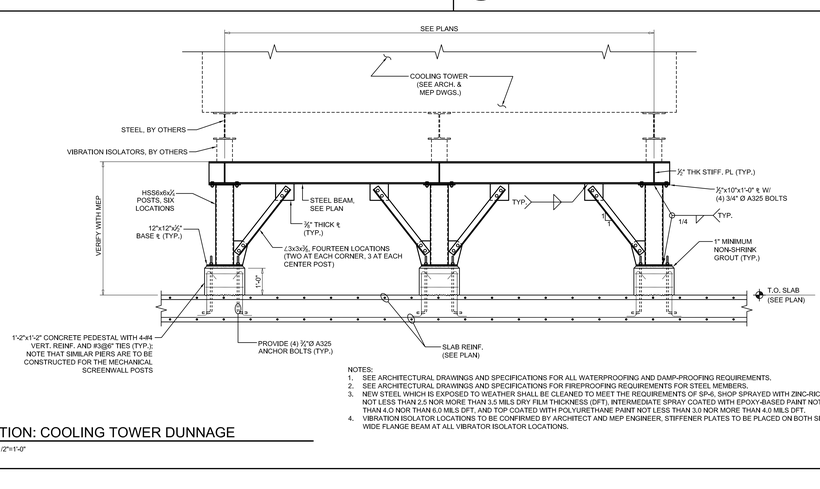
NOTE:
REFER TO DWG. S-202 FOR ADD'L INFO. NOT SHOWN.

3 PART PLAN: ELEVATED SLAB
SCALE: 1/4"=1'-0"



NOTES:
1. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ALL WATERPROOFING AND DAMP-PROOFING REQUIREMENTS.
2. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR FIREPROOFING REQUIREMENTS FOR STEEL MEMBERS.
3. NEW STEEL WHICH IS EXPOSED TO WEATHER SHALL BE CLEANED TO MEET THE REQUIREMENTS OF SP-6. SHOP SPRAYED WITH ZINC-RICH PRIMER NOT LESS THAN 2.5 NOR MORE THAN 3.5 MILS DRY FILM THICKNESS (DFT), INTERMEDIATE SPRAY COATED WITH EPOXY-BASED PAINT NOT LESS THAN 4.0 NOR THAN 6.0 MILS DFT, AND TOP COATED WITH POLYURETHANE PAINT NOT LESS THAN 3.0 NOR MORE THAN 4.0 MILS DFT.
4. VIBRATION ISOLATOR LOCATIONS TO BE CONFIRMED BY ARCHITECT AND MEP ENGINEER. STIFFENER PLATES TO BE PLACED ON BOTH SIDES OF WIDE FLANGE BEAM AT ALL VIBRATOR ISOLATOR LOCATIONS.

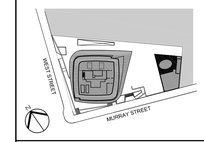
7 SECTION: COOLING TOWER DUNNAGE
SCALE: 1/2"=1'-0"



NOTES:
1. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR ALL WATERPROOFING AND DAMP-PROOFING REQUIREMENTS.
2. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR FIREPROOFING REQUIREMENTS FOR STEEL MEMBERS.
3. NEW STEEL WHICH IS EXPOSED TO WEATHER SHALL BE CLEANED TO MEET THE REQUIREMENTS OF SP-6, SHOP SPRAYED WITH ZINC-RICH PRIMER NOT LESS THAN 2.5 NOR MORE THAN 3.5 MILS DRY FILM THICKNESS (DFT), INTERMEDIATE SPRAY COATED WITH EPOXY-BASED PAINT NOT LESS THAN 4.0 NOR THAN 6.0 MILS DFT, AND TOP COATED WITH POLYURETHANE PAINT NOT LESS THAN 3.0 NOR MORE THAN 4.0 MILS DFT.
4. VIBRATION ISOLATOR LOCATIONS TO BE CONFIRMED BY ARCHITECT AND MEP ENGINEER. STIFFENER PLATES TO BE PLACED ON BOTH SIDES OF WIDE FLANGE BEAM AT ALL VIBRATOR ISOLATOR LOCATIONS.

6 SECTION: COOLING TOWER DUNNAGE
SCALE: 1/2"=1'-0"

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	03/03/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
Buildings
APPROVED
Under Directive 3 of 1975
Date: 05/20/2015
NYC Development Hub

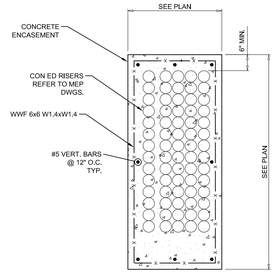
DWG TITLE:
SUPERSTRUCTURE
CONCRETE DETAILS

SEAL & SIGNATURE:
STATE OF NEW YORK
MICHAEL V. DIMINO
074933
LICENSED PROFESSIONAL ENGINEER

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	AS NOTED
DWG NO.	S-508.00

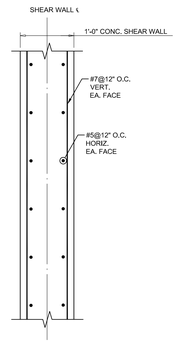
\\PROJECTS\14077-00\DWGS\S507
OF

DEPT OF BLDGS 421323.00 Job Number
E5330052475 Scan Code



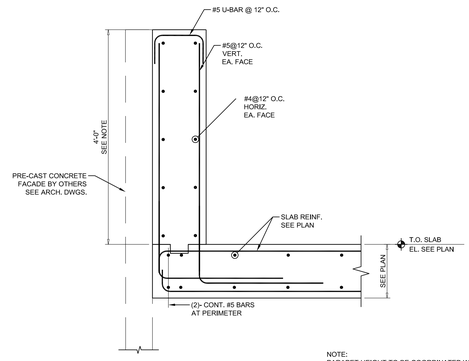
4 SECTION- CONC. ENCASED CONED RISERS

SCALE: 1 1/2"=1'-0"



3 SECTION- TYP. PAVILION SHEAR WALL REINF.

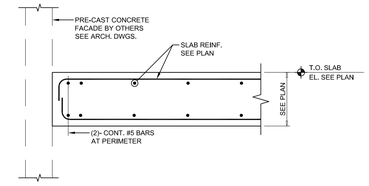
SCALE: 1"=1'-0"



NOTE:
PARAPET HEIGHT TO BE COORDINATED WITH ARCH. DWGS, AND PRECAST CONTRACTOR.

2 SECTION- PAVILION SLAB EDGE W/ PARAPET

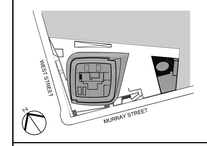
SCALE: 1"=1'-0"



1 SECTION - PAVILION SLAB EDGE

SCALE: 1"=1'-0"

KEY PLAN



Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/03/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

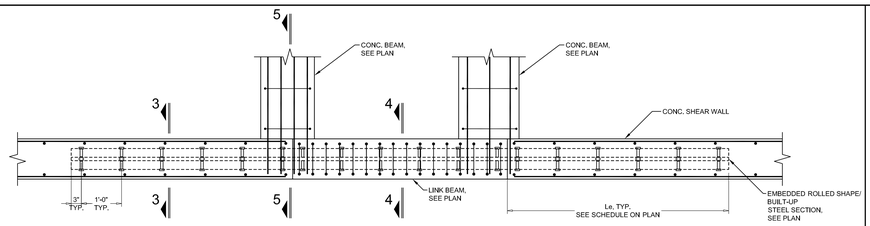
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
NYC Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
PAVILION: SECTIONS AND DETAILS

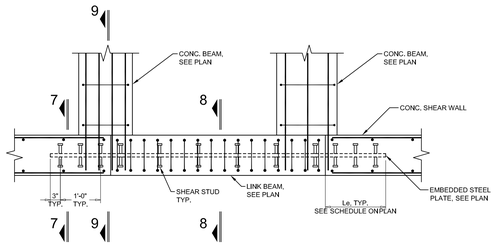
SEAL & SIGNATURE:
STATE OF NEW YORK
STEVEN V. ENGLISH
074935
LICENSED PROFESSIONAL ENGINEER

DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	AS NOTED
DWG NO.	S-510.00
	OF

DEPT OF BLDGS 121323.00 Job Number
ESSYTXA2B5 Scan Code



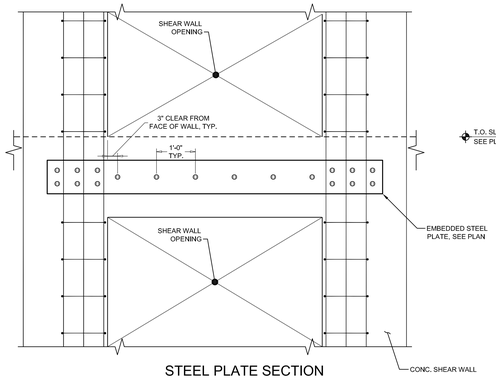
ROLLED SHAPE/ BUILT-UP STEEL SECTION



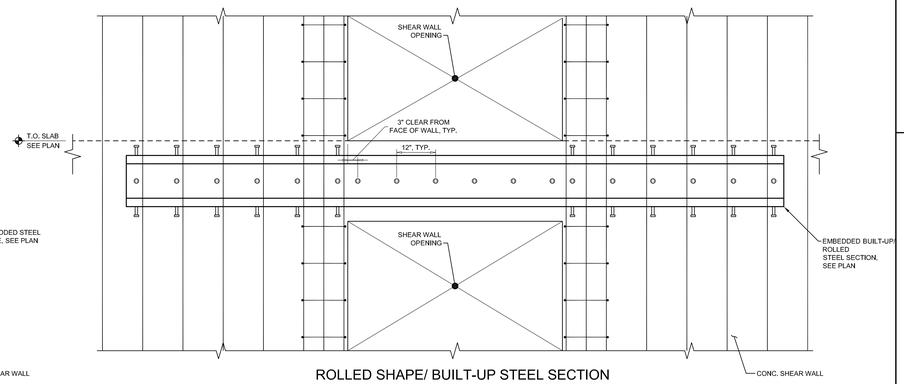
STEEL PLATE SECTION

2 STEEL ENCASED LINK BEAM PART PLAN

SCALE: 1 1/2"=1'-0"



STEEL PLATE SECTION



ROLLED SHAPE/ BUILT-UP STEEL SECTION

NOTES:
1. ALL BUILT - UP MEMBERS/ STEEL PLATES SHALL CONFORM TO ASTM A529-GR. 50.
2. SLAB & SLAB REINF. NOT SHOWN FOR CLARITY.
3. HORIZ. WALL REINF. NOT SHOWN FOR CLARITY.
4. BEAM REINF. NOT SHOWN FOR CLARITY.
5. PENETRATIONS NOT SHOWN FOR CLARITY. REFER TO SHEAR WALL ELEVATIONS ON DWGS. S-320 - S-324 FOR REQUIRED LINK BEAM PENETRATIONS.

1 STEEL ENCASED LINK BEAM ELEVATION

SCALE: 3/4"=1'-0"

KEY PLAN

Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/03/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

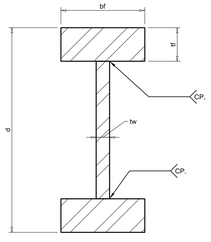
DOB STAMPS & SIGNATURES:

Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SUPERSTRUCTURE
STEEL LINK BEAM
SECTIONS AND DETAILS

SEAL & SIGNATURE:
STATE OF NEW YORK
STEPHEN V. DESIMONE
074935
LICENSED PROFESSIONAL ENGINEER

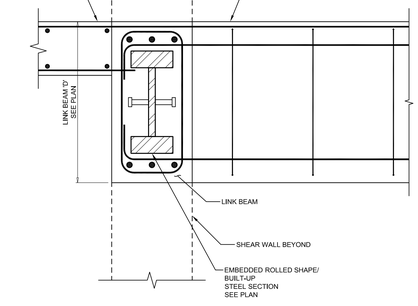
DATE:	09/15/14
PROJECT #:	14077.00
SCALE:	AS NOTED
DWG NO.	S-611.00
	OF



6 BUILT-UP STEEL SECTION

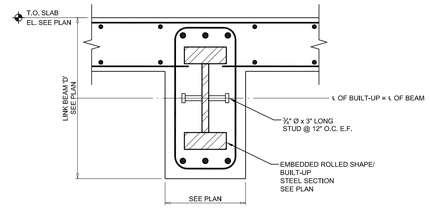
SCALE: 3"=1'-0"

NOTE:
ALL PLATES SHALL CONFORM TO ASTM A529 - GR. 50.



5 SECTION OF BUILT-UP STEEL LINK BEAM @ CONC. BEAM

SCALE: 1-1/2"=1'-0"



4 SECTION OF BUILT-UP STEEL LINK BEAM

SCALE: 1-1/2"=1'-0"

3 SECTION OF BUILT-UP STEEL LINK BEAM AT WALL

SCALE: 1-1/2"=1'-0"

9 SECTION OF STEEL PLATE LINK BEAM AT CONC. BEAM

SCALE: 1-1/2"=1'-0"

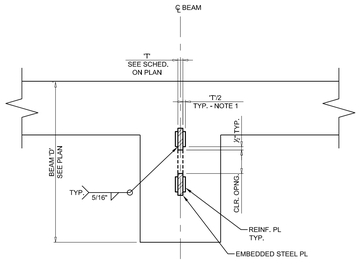
8 SECTION OF STEEL PLATE LINK BEAM

SCALE: 1-1/2"=1'-0"

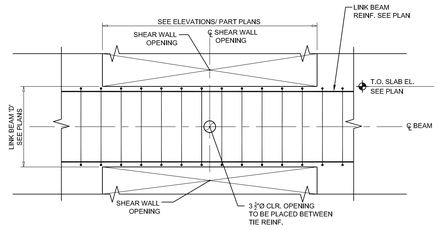
7 SECTION OF STEEL PLATE LINK BEAM AT WALL

SCALE: 1-1/2"=1'-0"

DEPT OF BLDGS 321323.10 Job Number
ES0012364668 Scan Code

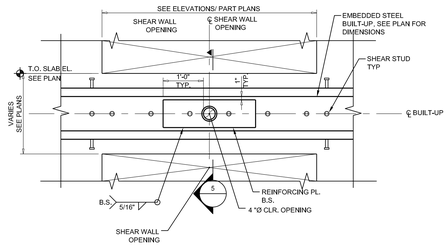


4 PLATE REINF. DETAIL
SCALE: 1 1/2"=1'-0"



NOTES:
1. CONC. WALL AND BEAM REINF. NOT SHOWN FOR CLARITY.
2. REFER TO DWG. S-611 FOR ADDITIONAL LINK BEAM INFO. NOT SHOWN.
3. REFER TO SHEAR WALL PART PLANS FOR LINK BEAM SIZES.
4. ALL PENETRATIONS SHALL BE COORDINATED WITH PLUMBING DWGS.
5. ANY CHANGES IN THE SIZE OR CONFIGURATION OF THE OPENINGS SHOWN ABOVE SHALL BE SUBMITTED TO ENGINEER FOR REVIEW PRIOR TO WORK BEING PERFORMED.

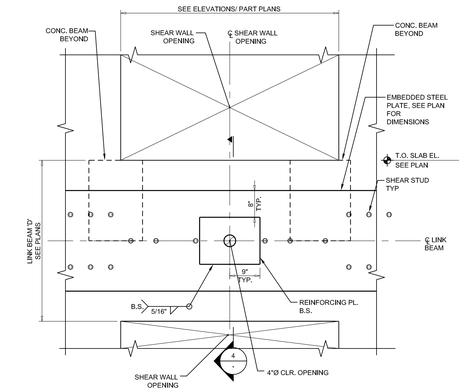
3 CORRIDOR LINK BEAM: CONVENTIONALLY REINFORCED SPRINKLER PENETRATION DETAIL
SCALE: 3/4"=1'-0"



LINK BEAM W/ BUILT-UP/ ROLLED MEMBER

NOTES:
1. CONC. WALL AND BEAM REINF. NOT SHOWN FOR CLARITY.
2. REFER TO DWG. S-611 FOR ADDITIONAL LINK BEAM INFO. NOT SHOWN.
3. REFER TO SHEAR WALL PART PLANS FOR LINK BEAM SIZES.
4. ALL PENETRATIONS SHALL BE COORDINATED WITH PLUMBING DWGS.
5. ANY CHANGES IN THE SIZE OR CONFIGURATION OF THE OPENINGS SHOWN ABOVE SHALL BE SUBMITTED TO ENGINEER FOR REVIEW PRIOR TO WORK BEING PERFORMED.

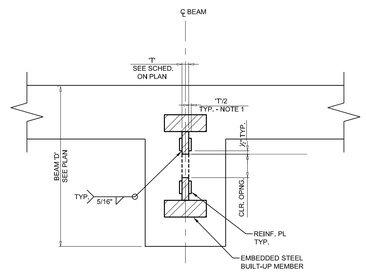
2 CORRIDOR LINK BEAM: BUILT-UP/ROLLED SECTION SPRINKLER PENETRATION DETAIL
SCALE: 3/4"=1'-0"



LINK BEAM W/ STEEL PLATE

NOTES:
1. CONC. WALL AND BEAM REINF. NOT SHOWN FOR CLARITY.
2. REFER TO DWG. S-611 FOR ADDITIONAL LINK BEAM INFO. NOT SHOWN.
3. REFER TO SHEAR WALL PART PLANS FOR LINK BEAM SIZES.
4. ALL PENETRATIONS SHALL BE COORDINATED WITH PLUMBING DWGS.
5. ANY CHANGES IN THE SIZE OR CONFIGURATION OF THE OPENINGS SHOWN ABOVE SHALL BE SUBMITTED TO ENGINEER FOR REVIEW PRIOR TO WORK BEING PERFORMED.

1 CORRIDOR LINK BEAM: PLATE SPRINKLER PENETRATION DETAIL
SCALE: 3/4"=1'-0"



5 BUILT-UP/ ROLLED SHAPE REINFORCEMENT DETAIL
SCALE: 1-1/2"=1'-0"

KEY PLAN

Number:	Date:	Revision:
	03/09/15	DOB ISSUE
	02/03/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
101 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
Buildings
APPROVED
Under Directive 2 of 1975
Date: 05/20/2015
NYC Development Hub

DWG TITLE:
SUPERSTRUCTURE
STEEL LINK BEAM
SECTIONS AND DETAILS

SEAL & SIGNATURE:
STATE OF NEW YORK
STEPHEN V. DESIMONE
074893
LICENSED PROFESSIONAL ENGINEER

DATE:	05/15/14
PROJECT #:	14077.00
SCALE:	AS NOTED
DWG NO.	S-612.00
	OF

DEPT OF BLDGS 421232310 Job Number
E1621939735 Scan Code

KEY OF SYMBOLS AND ABBREVIATIONS

NOTE: THE KEY OF SYMBOLS INDICATED IS FOR CONVENIENCE ONLY AND ITEMS INDICATED ARE NOT NECESSARILY WITHIN THE SCOPE OF THE WORK.

- BUTTERFLY OR BALL VALVE (EXCEPT FOR STEAM SYSTEMS WHERE GATE ARE REQUIRED)
- GLOBE VALVE
- BALL VALVE
- CHECK VALVE
- RELIEF OR SAFETY VALVE
- 3-WAY AUTOMATIC CONTROL VALVE
- 2-WAY AUTOMATIC CONTROL VALVE
- PRESSURE REDUCING VALVE
- STRAINER WITH BLOW-OFF VALVE
- BUTTERFLY VALVE HAND OPERATED
- BUTTERFLY VALVE MOTOR OPERATED
- TWO BUTTERFLY VALVES W/ COMMON MOTOR OPERATOR
- PLUG VALVE
- SOLENOID VALVE
- FLOW METER
- TRAP, STEAM
- PUMP
- PUMP SUCTION DIFFUSER
- TRAP, BUCKET
- DRIP RIG OR TRAP RIG
- FLOW SWITCH
- AIR VENT AUTOMATIC
- AIR VENT MANUAL
- AIR SEPARATOR
- PRESSURE GAGE W/ GAGE COCK
- THERMOMETER
- TEMPERATURE TRANSMITTER
- BALL JOINT

- FLEXIBLE CONNECTOR
- FLANGED CONNECTION
- UNION FITTING
- PIPE GUIDE
- PIPE ANCHOR
- VALVED CAPPED OUTLET
- EXPANSION JOINT
- REDUCER
- PIPE UP
- PIPE DN
- PIPE BOTTOM CONNECTION
- PIPE TOP CONNECTION
- PIPE STUB UP
- FLOW DIRECTION
- PIPE PITCH UP OR DOWN
- EXPANSION LOOP
- CDR — CONDENSATE RETURN
- CHWS — CHILLED WATER SUPPLY
- CHWR — CHILLED WATER RETURN
- CWS — CONDENSER WATER SUPPLY
- CWR — CONDENSER WATER RETURN
- SCWS — SECONDARY CONDENSER WATER SUPPLY
- SCWR — SECONDARY CONDENSER WATER RETURN
- CW — CITY WATER
- DW — DOMESTIC WATER
- FDF — FUEL OIL FILL
- FDG — FUEL OIL GAUGE LINE
- FDS — FUEL OIL SUPPLY
- FDR — FUEL OIL RETURN
- FDV — FUEL OIL VENT
- GHWS — GYCOL HOT WATER SUPPLY
- GHWR — GYCOL HOT WATER RETURN
- H/MPR — HIGH/MED. PRESSURE STEAM RETURN
- HPS — HIGH PRESSURE STEAM SUPPLY
- LPD — LOW PRESSURE DRIP
- LPR — LOW PRESSURE STEAM RETURN
- LPS — LOW PRESSURE STEAM SUPPLY
- MPS — MEDIUM PRESSURE STEAM
- HWS — HOT WATER SUPPLY
- HWR — HOT WATER RETURN
- PD — PUMP DISCHARGE
- RL — REFRIGERANT LIQUID LINE
- RS — REFRIGERANT SUCTION LINE
- V — VENT LINE
- R — RELIEF LINE

- NEW WORK
- EXISTING WORK
- EXISTING WORK TO BE REMOVED
- CONNECT NEW WORK TO EXISTING
- CUT & CAP
- AIR RISER (A / 1)
- WATER SUPPLY RISER (S / 1)
- WATER RETURN RISER (R / 1)
- CONDENSATE DRAIN RISER (D / 1)
- SQUARE INCHES
- SQUARE FEET
- CAPPED OUTLET

- AIR FLOW SWITCH (A)
- EMERGENCY SWITCH (E)
- HUMIDISTAT (H)
- THERMOSTAT (T)
- SENSOR (S)
- DUCT MOUNTED SMOKE DETECTOR (SD)
- PRESSURE SENSOR (PS)
- TEMPERATURE SENSOR (TS)
- RADIANT HEAT (SEE SCHEDULE) (RH)
- FIRE STAT (FS)
- UNDER-CUT DOOR
- LOUVERED DOOR
- SEE DETAIL NO. 1 ON DRAWING M-101 (1 / M-101)
- SEE SECTION NO. 1 ON DRAWING M-101 (1 / M-101)

- UNIT HEATER (UH)
- INLINE CABINET FAN
- CENTRIFUGAL FAN
- ROOF VENTILATOR INTAKE
- ROOF VENTILATOR EXHAUST
- FAN COIL UNIT
- FAN POWERED TERMINAL UNIT
- FAN POWERED TERMINAL UNIT WITH HEATING COIL
- FLOOR DESIGNATION — TERMINAL NUMBER; 13-1; A — UNIT SIZE DESIGNATION (REFER TO SCHEDULE); 1500 | 5.4 — HEATING COIL GPM; FAN CFM
- EXAMPLE OF FAN POWERED TERMINAL UNIT DESIGNATION
- VARIABLE AIR VOLUME BOX
- VARIABLE AIR VOLUME BOX W/HEATING UNIT
- CEILING DIFFUSER
- RETURN GRILLE /REGISTER
- TOP REGISTER
- RETURN/EXHAUST AIR SUPPLY AIR AIR QUANTITY (200 CFM) (200)

- 36x12 — DUCT SIZE IN INCHES (FIRST FIGURE IS SIDE SHOWN)
- 36x12 — DUCT WITH ACOUSTICAL LINING (SIZE INDICATES CLEAR AREA INSIDE)
- DUCT IN FIRE RATED ENCLOSURE
- WELDED DUCTWORK
- FLEXIBLE CONNECTION
- FLEXIBLE DUCT
- SQUARE VANED ELBOW
- RADIUS ELBOW
- SUPPLY AIR DUCT (UP) (DOWN)
- RETURN/EXHAUST AIR DUCT (UP) (DOWN)
- VOLUME DAMPER (VD)
- FIRE SMOKE DAMPER W/FUSIBLE LINK & ACCESS DOOR (F/SM)
- AUTOMATIC LOUVERED DAMPER (ALD)
- SPLITTER DAMPER
- TRANSFER OPENING ABOVE HUNG CEILING
- TRANSFER DUCT ABOVE HUNG CEILING WITH ACOUSTICAL LINING
- FIN-TUBE RADIATION (FTR)
- OPEN END DUCT WITH WIRE MESH SCREEN

AC	AIR CONDITIONING
ACU	AIR CONDITIONING UNIT
ACCU	AIR COOLED CONDENSER UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AFM	AIR FLOW MONITOR
AHU	AIR HANDLING UNIT
AL	ACOUSTICAL LINING
ALD	AUTOMATIC LOUVERED DAMPER
ALWS	ALUMINUM LOUVER AND ALUMINUM WIRE MESH SCREEN
AP	ACCESS PANEL
AS	AIR SEPERATOR
ASD	AUTOMATIC SMOKE DAMPER
BDD	BACKDRAFT DAMPER
BF	BLIND FLANGE
BG	BOTTOM GRILLE
BHP	BREAK HORSEPOWER
BI	BLACK IRON
BG	BOTTOM GRILLE
BO	BLANK OFF
BR	BOTTOM REGISTER
BOS	BOTTOM OF STEEL
BTU	BRITISH THERMAL UNIT
CC	COOLING COIL
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CG	CEILING GRILLE
CHW	CHILLED WATER
CUH	CABINET UNIT HEATER
CO	CAPPED OUTLET
COD	CLEAN OUT DOOR
CP	CONDENSATE PUMP
CR	CEILING REGISTER
CV	CONSTANT VOLUME BOX
DN	DOWN
EUH	ELECTRONIC UNIT HEATER
EAT	ENTERING AIR TEMPERATURE
EAV	ELECTRONIC AIR VALVE
EX	ELEVATOR EXHAUST
EF	EXHAUST FAN
EL	EXPANSION LOOP
EWT	ENTERING WATER TEMPERATURE
F	FILTER
FA	FACE AREA
FC	FLEXIBLE CONNECTION
FCU / FD	FAN COIL UNIT / FLOOR DRAIN
FLD	FUSIBLE LINK FIRE DAMPER W/ACCESS DOOR
F/SM-HS	FIRE/SMOKE DAMPER (RESETTABLE TYPE) W/HEAT SENSOR & ACCESS DOOR
F/SM	FIRE/SMOKE DAMPER W/FUSIBLE LINK AND ACCESS DOOR
FTR	FIN-TUBE RADIATION
GX	GENERAL EXHAUST
GI	GALVANIZED IRON
GP	GLYCOL PUMP
GPM	GALLONS PER MINUTE
HC	HEATING COIL
HP	HORSEPOWER
H&V	HEATING & VENTILATION UNIT
HW	HOT WATER
HPS	HIGH PRESSURE STEAM
IB	INTERNAL DUCT BOOT
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LD	LINEAR DIFFUSER
LF	LINEAR FEET
LPS	LOW PRESSURE STEAM
LWT	LEAVING WATER TEMPERATURE
MBH	1000 BTU PER HOUR
MCC	MOTOR CONTROL CENTER
MER	MECHANICAL EQUIPMENT ROOM
MPS	MEDIUM PRESURE STEAM
MF/SM	COMB. MODULATING FIRE SMOKE DAMPER
N.C.	NORMALLY CLOSED
NFA	NET FREE AREA
NS	NOISE SUPPRESSOR
N.O.	NORMALLY OPEN
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
OED	OPEN END DUCT
OTP	OPEN TO PLENUM
OV	OUTLET VELOCITY
PD	PUMP DISCHARGE
PH	PRE-HEAT COIL
PH	PHASE
PIM	PRESSURE INDEPENDENT MODULE
PO	PLUGGED OUTLET
PRV	PRESSURE REDUCING VALVE
RA	RETURN AIR
RF	RETURN FAN
RG	RETURN GRILLE
RHC	RE-HEAT COIL
SD	SMOKE DETECTOR
SF	SUPPLY FAN
SX	SMOKE EXHAUST
SMD	SMOKE DAMPER W/ACCESS DOOR
SPD	SPLITTER DAMPER
S.P	STAIR PRESSURIZATION
SQ	SQUARE
SQ. FT	SQUARE FEET
SSO	SAFETY SHUT-OFF VALVE
ST	SOUND TRAP
ST STL	STAINLESS STEEL
TF	TRANSFER FAN
TC	TOP CONNECTION
TG	TOP GRILLE
TR	TOP REGISTER
TO	TRANSFER OPENING
TR GR	TRANSFER GRILLE
UL	UNDERWRITER'S LABORATORY
UH	UNIT HEATER
U.O.N	UNLESS OTHERWISE NOTED
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VJ	VIBRATION ISOLATOR
VFD	VARIABLE FREQUENCY DRIVE
VIF	VERIFY IN FIELD
WF	WATER FILTER
WCU	WATER CHILLING UNIT
WH	WALL HEATER
WMS	WIRE MESH SCREEN

INTERPRETATION OF SINGLE LINE DUCTWORK

WHERE DUCTWORK IS SHOWN SINGLE LINE, FOLLOWING SHALL APPLY FOR ACTUAL DUCT CONSTR.

SINGLE LINE	ACTUAL CONSTRUCTION
RISE OR DROP	ELEVATION — OFFSET IN VERTICAL PLANE SHALL BE MADE WITH SMOOTH FITTINGS AND HAVE EQUAL CROSS SECTIONAL AREAS.
HORIZONTAL OFFSET	OFFSET IN HORIZONTAL PLANE SHALL BE MADE WITH SMOOTH FITTINGS AND HAVE EQUAL CROSS SECTIONAL AREAS.
PLENUM OVER DIFFUSER; CONN. TO LINEAR DIFFUSER PLENUM	PLENUM OVER LINEAR SUPPLY OR RETURN DIFFUSER OR GRILLE; CONICAL FITTINGS; REGULATION OF VOLUME DAMPER SHALL BE ACCESSIBLE THROUGH THE FACE OF DIFFUSER
FLD; FIRE RATED WALL; FIRE DAMPER	ACCESS DOOR IN DUCT; FLD SEE DETAILS AND SPECIFICATIONS.
HTG. COIL; AIR FLOW; HEATING COIL	FLARE/TRANSITION DUCT TO ACCOMMODATE COIL; COIL WITH FLANGED CONNECTION ALL AROUND; ACCESS DOORS; 45° (TYPICAL)

INTERPRETATION OF SINGLE LINE DUCTWORK

WHERE DUCTWORK IS SHOWN SINGLE LINE, FOLLOWING SHALL APPLY FOR ACTUAL DUCT CONSTR.

SINGLE LINE	ACTUAL CONSTRUCTION
TEE; CONVERGING AIR; DIVERGING	VOLUME DAMPER; SINGLE TURNING VANES
ELBOW	SINGLE BLADE TURNING VANE (EITHER TYPE ELBOW AT CONTR. OPTION-SUBJECT TO SPACE CONDITIONS). VANES SHALL BE WELDED TO RUNNERS. USE LARGE RADIUS VANES. MAXIMUM UNSUPPORTED VANE LENGTH SHALL NOT EXCEED 36".
(BRANCH AIR FLOW 25% OR HIGHER); SPLIT OR TAKE-OFF	A,B SHALL BE PROPORTIONAL TO AIR QUANTITY. 4" (10cm) MIN. IF A or B IS LESS THAN 4" (10cm), USE TAP DETAIL. VOLUME DAMPER IN SHORTER BRANCH. SINGLE BLADE TURNING VANES; 3-1/2"(90mm) MIN. & 14"(350mm) MAX.; SQUARE THROAT ELBOW OPTION
(BRANCH TAP 25% OR OR LESS AIR FLOW); TAP TAKE-OFF	SIDE TAP BRANCH SHALL BE LIMITED TO 25% OF MAIN AIR FLOW; VOLUME DAMPER; AIR FLOW; SUPPLY; 45°; AIR FLOW; RETURN; 45°

MECHNCIAL DRAWING INDEX

#	SHEET NO.	DRAWING TITLE	SCALE
1	M-001	DRAWING INDEX / PROJECT SYMBOLS AND ABBREVIATIONS	NTS
2	M-101	LOWER CELLAR FLOOR PLAN	1/8"=1'-0"
3	M-102	CELLAR FLOOR PLAN	1/8"=1'-0"
4	M-105	GROUND FLOOR PLAN	1/4"=1'-0"
5	M-106	PAVILION FLOOR PLANS (CELLAR, GROUND & 2ND FLOOR)	1/4"=1'-0"
6	M-107	PAVILION (3RD & ROOF)	1/4"=1'-0"
7	M-110	2ND FLOOR PLAN (MECHANICAL)	1/4"=1'-0"
8	M-111	3RD FLOOR PLAN (LOWER MECHANICAL)	1/4"=1'-0"
9	M-112	3RD FLOOR PLAN (UPPER MECHANICAL)	1/4"=1'-0"
10	M-113	4TH - 11TH FLOOR PLAN	1/4"=1'-0"
11	M-125	12TH - 25TH FLOOR PLAN	1/4"=1'-0"
12	M-126	26TH FLOOR PLAN - OFFSET	1/4"=1'-0"
13	M-127	27TH FLOOR LOWER PLAN (MECHANICAL)	1/4"=1'-0"
14	M-128	27TH FLOOR UPPER PLAN (MECHANICAL)	1/4"=1'-0"
15	M-139	28TH - 39TH FLOOR PLAN	1/4"=1'-0"
16	M-149	40TH - 49TH FLOOR PLAN	1/4"=1'-0"
17	M-150	50TH FLOOR PLAN (OFFSET)	1/4"=1'-0"
18	M-151	51ST FLOOR PLAN (MECHANICAL)	1/4"=1'-0"
19	M-157	52ND - 57TH FLOOR PLAN	1/4"=1'-0"
20	M-158	58TH FLOOR PLAN	1/4"=1'-0"
21	M-159	59TH FLOOR PLAN	1/4"=1'-0"
22	M-160	60TH FLOOR PLAN (MECHANICAL)	1/4"=1'-0"
23	M-161	61ST FLOOR PLAN (EMR OF PASSENGER ELEVATORS)	1/4"=1'-0"
24	M-162	62ND FLOOR PLAN (EMR OF SERVICE ELEVATOR)	1/4"=1'-0"
25	M-300	WATER RISER DIAGRAM 1-2	NTS
26	M-301	WATER RISER DIAGRAM 2-2	NTS
27	M-302	WATER FLOW DIAGRAM	NTS
28	M-303	EXHAUST RISER DIAGRAM 1-2	NTS
29	M-304	EXHAUST RISER DIAGRAM 2-2	NTS
30	M-305	OUTSIDE AIR RISER DIAGRAM 1-2	NTS
31	M-306	OUTSIDE AIR RISER DIAGRAM 2-2	NTS
32	M-307	DRYER EXHAUST SYSTEM	NTS
33	M-308	RESIDENTIAL KITCHEN / MAKE UP AIR SYSTEM	NTS
34	M-400	SCHEDULES 1	NTS
35	M-401	SCHEDULES 2	NTS
36	M-402	SCHEDULES 3	NTS
37	M-500	MECHANICAL DETAILS 1	NTS
38	M-501	MECHANICAL DETAILS 2	NTS
39	M-502	MECHANICAL DETAILS 3	NTS
40	M-503	MECHANICAL DETAILS 4	NTS
41	M-504	MECHANICAL DETAILS 5	NTS
42	M-505	MECHANICAL DETAILS 6	NTS
43	M-506	MECHANICAL DETAILS 7	NTS

2011 NYC ENERGY CONSERVATION CODE NOTES:

STATEMENT OF COMPLIANCE:

TO THE BEST OF MY KNOWLEDGE, BELIEF, AND PERSONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2011 NEW YORK CITY ENERGY CONSERVATION CODE.

MANDATORY PROVISIONS:

1. HEATING AND COOLING LOADS HAVE BEEN CALCULATED IN ACCORDANCE WITH THE PROCEDURES DESCRIBED IN ASHRAE/ACCA 183. (NYC ECC 503.2.1)
2. EQUIPMENT AND SYSTEMS HAVE BEEN SIZED TO NOT EXCEED THE CALCULATED HEATING AND COOLING LOADS. STANDBY EQUIPMENT SHALL HAVE CONTROLS TO OPERATE ONLY WHEN THE PRIMARY EQUIPMENT IS NOT OPERATING. MULTIPLE UNITS OF THE SAME TYPE WITH COMBINED CAPACITY EXCEEDING THE DESIGN LOAD SHALL BE PROVIDED WITH CONTROLS TO SEQUENCE OPERATION BASED ON LOAD. (NYC ECC 503.2.2)
3. HVAC EQUIPMENT SHALL MEET THE MINIMUM EFFICIENCY REQUIREMENTS SET FORTH IN THE 2011 NYC ECC. REFER TO EQUIPMENT SCHEDULES FOR EER AND COP VALUES. (NYC ECC 502.3)
4. HEATING AND COOLING ENERGY SUPPLIED TO EACH ZONE SHALL BE CONTROLLED BY THERMOSTATS LOCATED IN THE ZONE SERVED. HUMIDIFICATION AND DEHUMIDIFICATION SYSTEMS SHALL BE CONTROLLED BY HUMIDITY SENSORS LOCATED IN THE ZONE SERVED. (NYC ECC 503.2.4.1)
5. HEAT PUMPS PROVIDED WITH SUPPLEMENTAL ELECTRIC HEAT SHALL HAVE CONTROLS THAT PREVENT SUPPLEMENTAL HEAT OPERATION WHEN THE HEAT PUMP CAN MEET THE HEATING LOAD, EXCEPT DURING DEFROST IF APPLICABLE. (NYC ECC 503.2.4.1.1).
6. THERMOSTATS USED FOR BOTH HEATING AND COOLING SHALL PROVIDE A TEMPERATURE DEADBAND OF AT LEAST 5 DEGREES F, EXCEPT FOR THERMOSTATS REQUIRING MANUAL CHANGEOVER. (NYC ECC 503.2.4.2)
7. THERMOSTATS SHALL BE PROVIDED WITH AUTOMATIC TIME CLOCKS OR PROGRAMMABLE SETBACK CONTROLS EXCEPT FOR ZONES WHICH OPERATE CONTINUOUSLY. SETBACK CONTROLS SHALL BE CAPABLE OF TEMPORARILY OPERATING THE SYSTEM TO MAINTAIN ZONE TEMPERATURES DOWN TO 55 DEGREES F OR UP TO 85 DEGREES F. AUTOMATIC TIME CLOCKS OR PROGRAMMABLE CONTROLS SHALL BE CAPABLE OF STARTING AND STOPPING THE SYSTEM FOR SEVEN DAILY SCHEDULES PER WEEK AND RETAINING PROGRAMMING DURING A POWER LOSS OF AT LEAST 10 HOURS. CONTROLS SHALL HAVE A MANUAL OVERRIDE CAPABILITY FOR UP TO 2 HOURS; MANUAL TIMER FOR UP TO 2 HOURS; OR AN OCCUPANCY SENSOR. (NYC ECC 503.2.4.3)
8. OUTDOOR AIR AND EXHAUST DUCTS SHALL BE PROVIDED WITH MOTORIZED DAMPERS WHICH ARE INTERLOCKED WITH ASSOCIATED HVAC EQUIPMENT TO AUTOMATICALLY CLOSE WHEN THE SYSTEM OR SPACES SERVED ARE NOT IN USE. DAMPERS SHALL BE MOTORIZED AND BE CLASS 1 LEAKAGE-RATED WITH A MAXIMUM LEAKAGE RATE OF 4 CFM PER SQFT AT 1.0 INCH W.G. WHEN TESTED IN ACCORDANCE WITH AMCA 500D. (NYC ECC 503.2.4.4)
9. SNOW AND ICE MELTING SYSTEMS SHALL BE PROVIDED WITH AUTOMATIC CONTROLS TO SHUT OFF THE SYSTEM WHEN THE PAVEMENT IS ABOVE 50 DEGREES F AND NO PRECIPITATION IS FALLING, AND A CONTROL TO SHUT OFF THE SYSTEM WHEN THE OUTDOOR TEMPERATURE IS ABOVE 40 DEGREES F. (NYC ECC 503.2.4.5)
10. BUILDING APARTMENTS ARE PROVIDED NATURAL VENTILAIDTION WITH OPERABLE WINDOWS IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE. OTHER OCCUPIED SPACES ARE PROVIDED WITH MECHANICAL VENTILAIDTION IN ACCORDANCE WITH THE NEW YORK CITY MECHANICAL CODE. DEMAND CONTROL VENTILAIDTION SHALL BE PROVIDED AS REQUIRED. (NYC ECC 503.2.5)
11. ENERGY RECOVERY SYSTEMS ARE PROVIDED FOR OUTSIDE AIR SYSTEMS WITH A SUPPLY AIR CAPACITY OF 5,000 CFM OR GREATER AND A MINIMUM OUTSIDE AIR SUPPLY OF 70 PERCENT OR GREATER OF THE DESIGN AIR QUANTITY. (NYC ECC 503.2.6)
12. ALL SUPPLY AND RETURN AIR DUCTS SHALL BE INSULATED WITH A MINIMUM OF R-5 INSULATION WHEN LOCATED IN UNCONDITIONED SPACES AND A MINIMUM OF R-8 INSULATION WHEN LOCATED OUTSIDE THE BUILDING. WHEN LOCATED WITHIN A BUILDING ENVELOPE ASSEMBLY, THE DUCT OR PLENUM SHALL BE SEPERATED FROM THE BUILDING EXTERIOR OR UNCONDITIONED OR EXEMPT SPACES BY A MINIMUM OF R-8 INSULATION. ALL DUCTS, AIR HANDLERS, AND FILTER BOXES SHALL BE SEALED PER SECTION 603.9 OF THE NYC CONSTRUCTION CODES. (NYC ECC 503.2.7)
13. ALL DUCTWORK SHALL BE CONSTRUCTED AND ERECTED IN ACCORDANCE WITH THE NYC CONSTRUCTION CODES. FOR LOW PRESSURE DUCTWORK, LONGITUDINAL AND TRANSVERSE JOINTS, SEAMS AND CONNECTIONS OF SUPPLY AND RETURN DUCTS OPERATING AT A STATIC PRESSURE OF LESS THAN OR EQUAL TO 2 INCHES W.G. SHALL BE SECURELY FASTENED AND SEALED WITH WELDS, GASKETS, MASTICS, MASTIC-PLUS-EMBEDDED-FABRIC SYSTEMS OR TAPES INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. ALL MEDIUM PRESSURE DUCTS DESIGNED TO OPERATE AT A STATIC PRESSURE GREATER THAN 2 INCHES W.G. BUT LESS THAN 3 INCHES W.G. SHALL BE INSULATED AND SEALED PER AIR ABOVE. THIS PROJECT CONTAINS NO HIGH PRESSURE DUCTWORK. (NYC ECC 503.2.7.1)
14. ALL PIPING SERVING AS PART OF A HEATING OR COOLING SYSTEM SHALL BE THERMALLY INSULATED IN ACCORDANCE WITH THE FOLLOWING TABLE OR SPECIFICATION SECTION 23 07 19, WHICHEVER IS GREATER:

FLUID	MINIMUM PIPE INSULATION (THICKNESS IN INCHES) NOMINAL PIPE DIAMETER	
	</= 1.5"	> 1.5"
STEAM	1-1/2	3
HOT WATER	1-1/2	2
CHILLED WATER, BRINE, OR REFRIGERANT	1-1/2	1-1/2

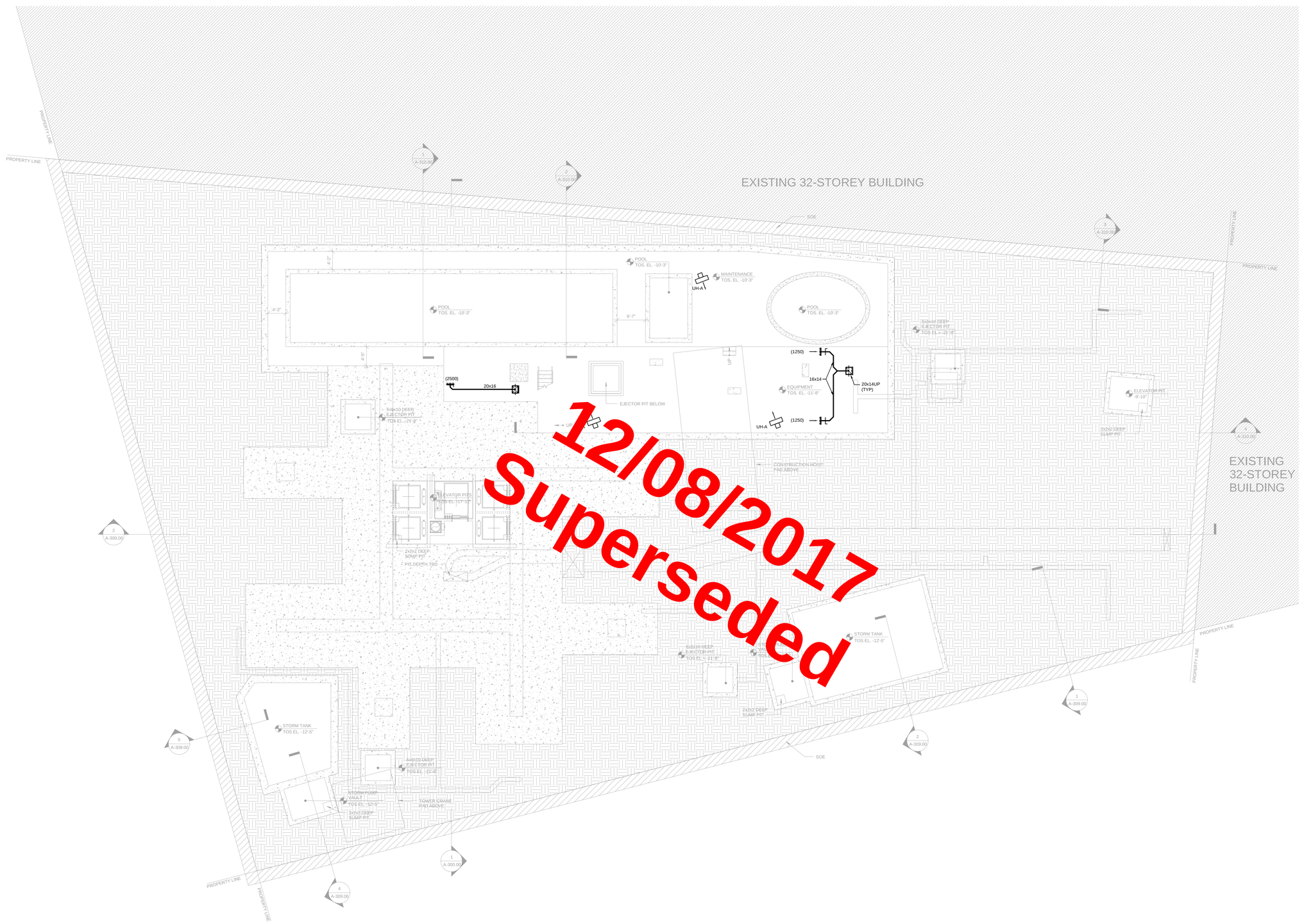
CLOSED LOOP CONDENSER WATER SUPPLY AND RETURN PIPING IN THIS PROJECT IS EXEMPT FROM THIS REQUIREMENT BECAUSE THE SYSTEM CONTROLS WILL MAINTAIN WATER TEMPERATURES BETWEEN 60 AND 103 DEGREES F IN BOTH HEATING AND COOLING MODES. (NYC ECC 503.2.8)

15. EACH SUPPLY AIR OUTLET AND ZONE TERMINAL DEVICE SHALL BE EQUIPPED WITH A VOLUME DAMPER OR SIMILAR DEVICE FOR AIR BALANCING. CONSTANT VOLUME FANS AND VAV FANS LARGER THAN 10 HP SHALL NOT HAVE DISCHARGE DAMPERS. (NYC ECC 503.2.9.1)
16. ALL INDIVIDUAL HEATING AND COOLING COILS SHALL BE EQUIPPED WITH BALANCING VALVES AND PRESSURE TEST CONNECTION PORTS. (NYC ECC 503.2.9.2)
17. THE MECHANICAL CONTRACTOR SHALL PROVIDE OPERATING AND MAINTENANCE MANUALS TO THE BUILDING OWNER. THE MANUALS SHALL CONTAIN THE FOLLOWING AT A MINIMUM:
    - A. EQUIPMENT INPUT AND OUTPUT CAPACITY AND MAINTENANCE REQUIREMENTS.
    - B. EQUIPMENT OPERATION AND MAINTENANCE MANUALS.
    - C. HVAC SYSTEM CONTROL MAINTENANCE AND CALIBRATION INFORMATION INCLUDING WIRING DIAGRAMS, SCHEMATICS, CONTROL SEQUENCES, AND DESIRED SET POINTS.
    - D. A WRITTEN NARRATIVE EXPLAINING HOW EACH SYSTEM IS INTENDED TO OPERATE. (NYC ECC 503.2.9.3)
18. EACH HVAC SYSTEM WITH A TOTAL FAN SYSTEM NAMEPLATE HORSEPOWER EXCEEDING 5 HP HAS BEEN SELECTED TO MEET THE ALLOWABLE FAN HORSEPOWER REQUIREMENTS OF NYC ECC 503.2.10.1.
19. EACH FAN MOTOR HAS BEEN SELECTED SO THAT THE MOTOR SIZE IS THE FIRST AVAILABLE SIZE GREATER THAN THE BRAKE HORSEPOWER. IF THE FAN IS LESS THAN 6 BHP AND THE FIRST AVAILABLE MOTOR LARGER THAN THE BRAKE HORSEPOWER HAS A NAMEPLATE RATING WITHIN 50 PERCENT OF THE BHP, THE NEXT LARGER NAMEPLATE MOTOR SIZE MAY BE SELECTED. IF THE FAN IS 6 BHP OR LARGER AND THE FIRST AVAILABLE MOTOR LARGER THAN THE BHP HAS A NAMEPLATE RATING WITHIN 30 PERCENT OF THE BHP, THE NEXT LARGER NAMEPLATE MOTOR SIZE MAY BE SELECTED. (NYC ECC 503.2.10.2)
20. THIS PROJECT DOES NOT CONTAIN ANY SYSTEMS INSTALLED TO PROVIDE HEATING OUTSIDE OF THE BUILDING. (NYC ECC 503.2.11)
21. REFER TO DRAWING P-001 FOR 2011 NYC ECC REQUIREMENTS FOR SERVICE WATER HEATING.
22. POOLS INSTALLATIONS WILL COMPLY WITH THE 2011 NYC ECC 504.7

GENERAL NOTES

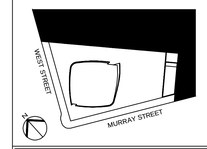
1. ALL DUCTWORK INDICATED ON DRAWINGS IS SCHEMATIC. THEREFORE, CHANGES IN DUCT SIZES AND/OR LOCATIONS SHOULD BE MADE WHERE NECESSARY TO CONFORM TO SPACE CONDITIONS.
2. ALL DUCTWORK TO BE KEPT AS HIGH AS POSSIBLE SO AS TO MAINTAIN CEILING HEIGHTS SHOWN ON ARCHITECTURAL DRAWINGS.
3. WHERE PIPING, LIGHTS AND DUCTWORK CONFLICT, DUCTWORK SHALL BE SET UP AND DOWN.
4. ACCESS IS REQUIRED BELOW ALL DAMPERS, AC UNITS, VALVES AND TERMINAL BOXES.
5. FOR EXACT LOCATION OF CEILING DIFFUSERS AND REGISTERS, REFER TO ARCHITECT'S REFLECTED CEILING PLAN.
6. CONTRACTOR SHALL REVIEW ARCHITECTURAL PLANS AND SHALL BE RESPONSIBLE FOR FURNISHING ALL AIR OUTLETS WITH FRAMES AND BORDER COMPATIBLE WITH CEILING CONSTRUCTION.
7. FOR EXACT LOCATIONS OF THERMOSTATS, HUMIDISTATS AND SWITCHES, REFER TO ARCHITECTURAL DRAWINGS.
8. PROVIDE COMBINATION FIRE/SMOKE DAMPERS (WITH ACCESS DOORS) AT THE FOLLOWING POINTS:
    a. POINT OF PASSING THROUGH SHAFT WALLS TO CONNECT TO VERTICAL RISERS.
    b. WHERE PASSING THROUGH FLOOR OR CEILING CONSTRUCTION (NOT IN AIR SHAFTS).
    c. WHERE PASSING THROUGH FIRE RATED PARTITIONS (REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION OF FIRE RATED PARTITION).
    d. WHERE INDICATED OR REQUIRED BY CODE.
9. ACCESS IS REQUIRED BELOW ALL DAMPERS, VALVES, EXPANSION JOINTS, AIR TERMINAL BOXES, ACCESS DOORS IN DUCTWORK AND OTHER MECHANICAL EQUIPMENT.
10. PROVIDE DRAIN VALVES AT ALL LOW POINTS OF ALL WATER SYSTEMS.
11. PROVIDE AUTOMATIC VENTS AT ALL HIGH POINTS OF ALL WATER SYSTEMS.
12. PROVIDE ON ALL MAIN BRANCH PIPING ONE (1) SHUT-OFF VALVE ON THE SUPPLY PIPE AND ONE (1) COMBINATION SHUT-OFF/BALANCING VALVE WITH PRESSURE TAPS AND MEMORY STOP ON THE RETURN PIPE.
13. PROVIDE VOLUME DAMPERS IN LOW PRESSURE DUCTWORK FOR ALL SUPPLY, RETURN, AND EXHAUST OUTLETS. PROVIDE VOLUME DAMPERS (VD) AT EVERY DUCTWORK BRANCH, TAP AND SPLIT. DO NOT INSTALL VOLUME DAMPERS ON MEDIUM PRESSURE DUCTWORK.
14. PROVIDE ACCESS DOORS IN DUCTWORK OR PLENUMS WHERE INDICATED OR REQUIRED FOR ACCESS TO SYSTEM COMPONENTS INCLUDING, BUT NOT LIMITED TO THE FOLLOWING:
    a. AUTOMATIC DAMPERS.
    b. FILTER BANKS
    c. FIRE DAMPERS.
    d. COMBINATION FIRE SMOKE DAMPERS.
15. FOR AREAS WITH INACCESSIBLE CEILINGS, VOLUME DAMPERS SHALL BE PROVIDED WITH METAL FLEXIBLE CABLE OPERATORS FOR REMOTE OPERATION OF DAMPERS.
16. WATER PIPING:
    a. PROVIDE MINIMUM PITCH TO INSURE ADEQUATE VENTING AND DRAINAGE.
    b. PROVIDE AS REQUIRED, AUTOMATIC AIR VENTS, MANUAL AIR VENTS AND RELIEF VALVES.
17. FOR PIPE CONNECTIONS DETAILS FOR EQUIPMENT, SEE DETAIL SHEET DRAWINGS AND SPECIFICATIONS.
18. ALL MOTOR STARTERS LOCATED OUTDOORS OR EXPOSED TO WET OR DAMP CONDITIONS SHALL BE NEMA TYPE 4.
19. NO PIPING SHALL BE SMALLER THAN 3/4 INCH UNLESS OTHERWISE NOTED.
20. FOR PIPE SIZES NOT INDICATED ON PLANS, SEE EQUIPMENT CONNECTION DETAILS.
21. PROVIDE FITTINGS FOR CHANGE IN PIPE SIZES FOR FINAL CONNECTIONS AS REQUIRED.
22. PROVIDE UNION OR FLANGED CONNECTIONS AT EACH PIECE OF EQUIPMENT AND ON BOTH SIDES OF CONTROL VALVES.
23. DRAINAGE PIPING PITCH NOT LESS THAN 1/8 PER FOOT.
24. ALL DUCT DIMENSIONS ARE CLEAR INSIDE DUCT DIMENSIONS
25. PROVIDE A MINIMUM OF 4 X INLET DIAMETER STRAIGHT DUCT LENGTH UPSTREAM OF ALL AIR TERMINAL BOXES AS PER DETAILS AND SPECIFICATIONS.
26. THE MINIMUM EXTERNAL STATIC PRESSURE NOTED ON THE AHU AND AC UNIT SCHEDULES IS EXCLUSIVE OF COMPONENTS FURNISHED BY THE UNIT MANUFACTURER AS PART OF THE UNIT INCLUDING, BUT NOT LIMITED TO, ALL COILS, ALL FILTERS (UNIT CASING, DISCHARGE PLENUM, DIFFUSION SECTION, SOUND ATTENUATOR, DAMPERS (INLET AND DISCHARGE), ETC.
27. ALL DUCTS ELBOW SHALL BE ROUND ELBOW EXCEPT WHERE THERE IS A SPACE CONDITION.
28. PROVIDE AIR VENTS AT THE HIGH POINT OF PIPING. RUN OFF DRAINS SHOULD BE PROVIDED AT EACH VENT TO CARRY WATER TO DRAIN LINE.
29. PROVIDE DRIP PAN UNDER PIPING SERVING TELECOM, ELEVATOR MACHINE ROOMS, AND CORRIDORS.
30. ALL DUCTS SERVING ELEVATOR HOISTWAY FOR SMOKE VENTING SHALL BE PROVIDED WITH TWO (2) HOUR RATED ENCLOSURE.
31. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLED INSPECTION AS PART OF THIS CONTRACT. MECHANICAL CONTRACTOR SHALL PROVIDE THE NAME OF A LICENSED PROFESSIONAL ENGINEER TO ARCHITECT WHEN AWARDED THE CONTRACT.
32. PROVIDE SMOKE DETECTOR AT SUPPLY MAIN DUCT FOR A.C. UNIT WITH AIR CAPACITY MORE THAN 2000 CFM AND PROVIDE SMOKE DETECTOR FOR BOTH SUPPLY AND RETURN MAIN DUCT FOR A.C. UNIT WITH AIR CAPACITY MORE THAN 15,000 CFM.
33. ALL METAL LOUVERS, AND ALL BLANK OFF PAN

DEPT OF BLDGS 121132110 Job Number
E500191515095 Scan Code



12/08/2017
Superseded

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
STATE OF NEW YORK
ISRAEL W. MARKOWITZ
APPROVED
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGINEER

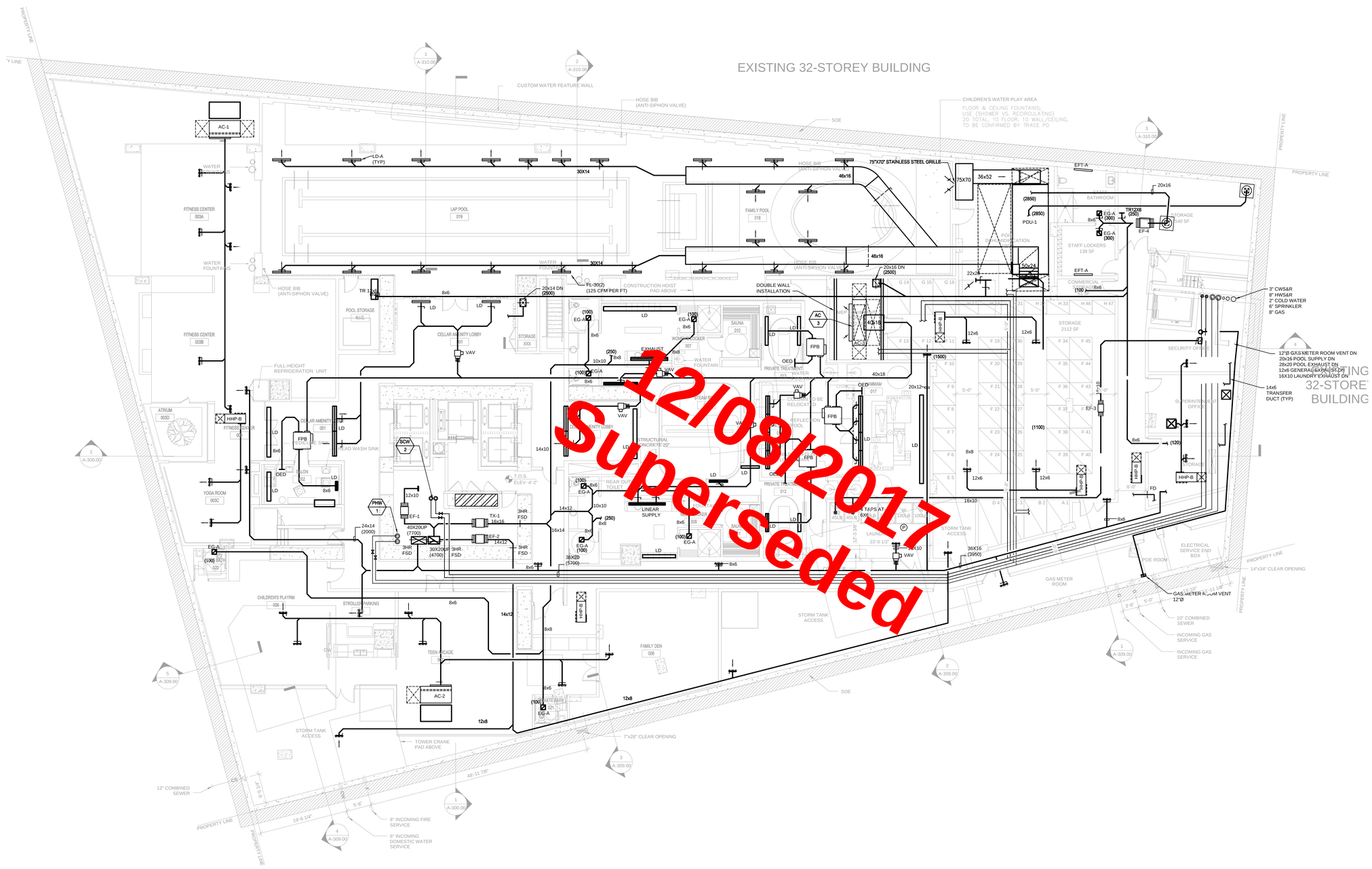
DWG TITLE:
MECHANICAL
SUB CELLAR

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/8"=1'-0"
M-101.00
DWG NO.
02 OF 43

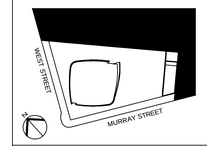
FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DDB\Mech\140006 - M-101.dwg SAVED ON 2/27/2015 5:11 PM PLOTTED ON 3/9/2015 2:59 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 121123110 Job Number
E380140004D Scan Code



FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DDB\Mech\140006 - M-102.dwg SAVED ON 2/27/2015 5:11 PM PLOTTED ON 3/9/2015 3:00 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
ISRAEL W. MARKOWITZ
APPROVED
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
CELLAR

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/8"=1'-0"

M-102.00
DWG NO.

03 OF 43

DEPT OF BLDGS 421132110 Job Number
B1619000024 Scan Code

12/08/2017
Superseded

SLOPED PLANTING PLANE

TENT

SOFFIT ABOVE

12'-3"

T.O.F.F EL.12'-3"

8.54

8.72

8.86

8.74

8.58

WEST STREET

GRAND DINING

T.O.F.F EL.12'-3"

RESIDENT LOUNGES

T.O.F.F EL.12'-3"

PATISSERIE

PUB PLAZ

FIREPLACE LOUVER - CORD WITH MANUFACTURES GUIDELINES.

FTR-1 (TYP)

FIREPLACE FLUE

14"ø ALD

LG-A (550) TYP

LG-A (600) TYP

12x10 TYP

14x14

LG-C (375) TYP

10x8 TYP

18x16

18x18

14x10

16x16

14x14

FPB

46x18 TRANSFER DUCT

RG-B

14"ø

24x18

46x22 TRANSFER DUCT

12x10 TYP

18x16

OPEN ENDED DUCT WITH WMS

20x18

RG-B

30X20 UP

24x18

26x18

18x18

50x18

50x18 UP

RG-B

LG-D (100)

8x6

40x18 UP

OPEN ENDED WITH WIRE MESH SCREEN

LG-A (500) TYP

14x10

14x14

16x16

20x16

TENANT ELEVATORS

TENANT ELEVATORS

RETAIL

SCW 2

10x8

LG-D (100) (TYP)

UH-A

CUH-A

RG-A

LG-D (300)

12x10

12x8 TYP

PHW 1

KX-1

PACKAGE ROOM

MAILROOM

LD

40X20 DN (7700)

FD

30X20 DN (4700)

LG-A (500)

30X20 UP (5000)

40X20 UP (7700)

T.O.F.F EL.12'-3"

RETAIL

LOBBY

T.O.F.F EL.12'-3"

16x14

20x16

26x18

16x16

14x14

LG-A (500) TYP

12x10 TYP

MAIL ROOM ENTRY

AUTOMATIC SLIDING DOORS

RG-B

VESTIBULE

12'-3"

12'-3"

RG-B (500) TYP

24x14 UP

12x10 TYP

24x14 UP

24x14

8'-0"

LG-A (500) TYP

16x12

12x10 TYP

TOWER ABOVE

TOWER ENTRY

8.15

8.31

8.59

9.05

9.36

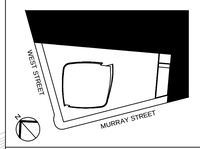
7.67

7.1

SLOPED PLANTING

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-105.dwg SAVED ON 2/27/2015 5:11 PM PLOTTED ON 3/9/2015 3:00 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MARSHALL
APPROVED
Deputy Director of Plan Examination
NYC DEPARTMENT OF BUILDINGS
LICENSED PROFESSIONAL ENGINEER

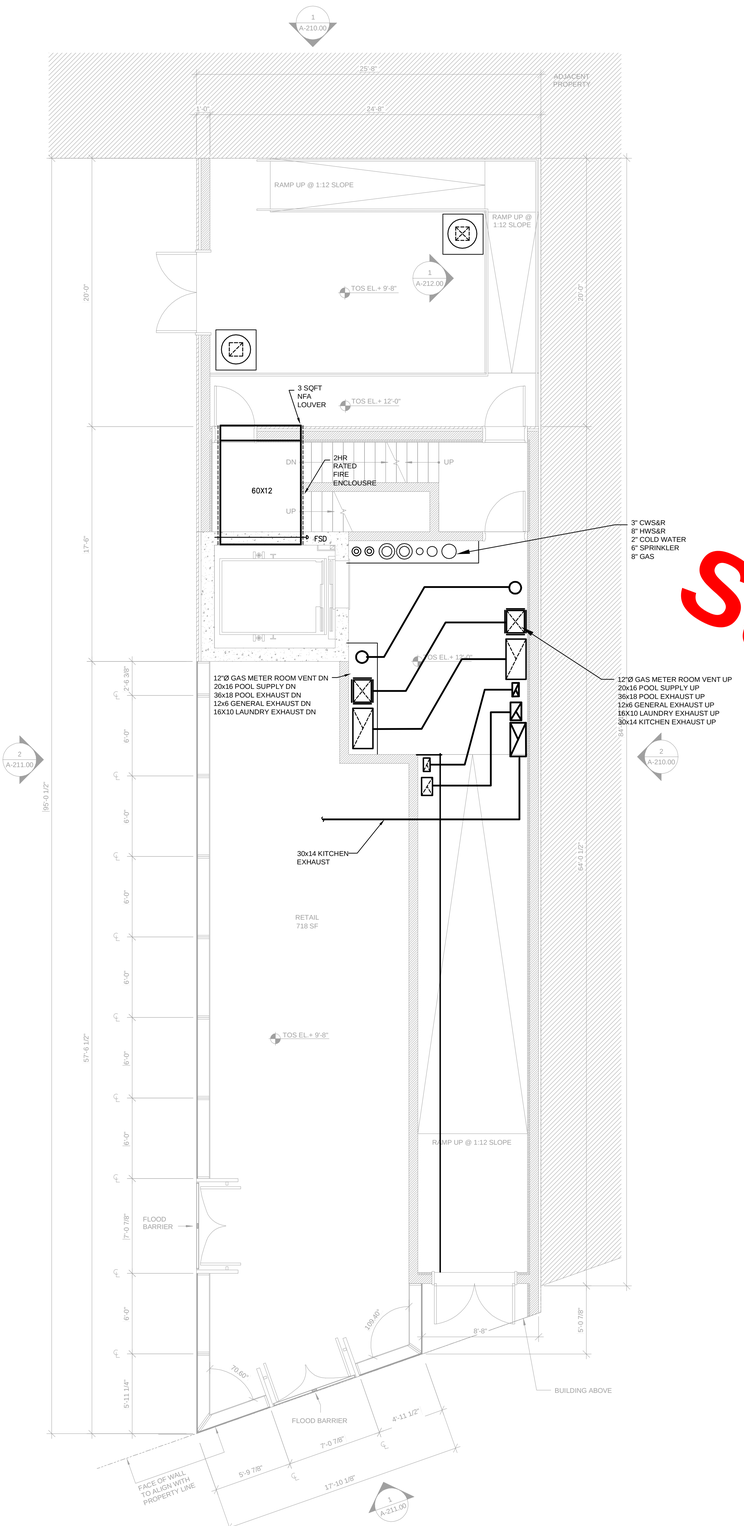
DWG TITLE:
MECHANICAL
GROUND FLOOR

SEAL & SIGNATURE:

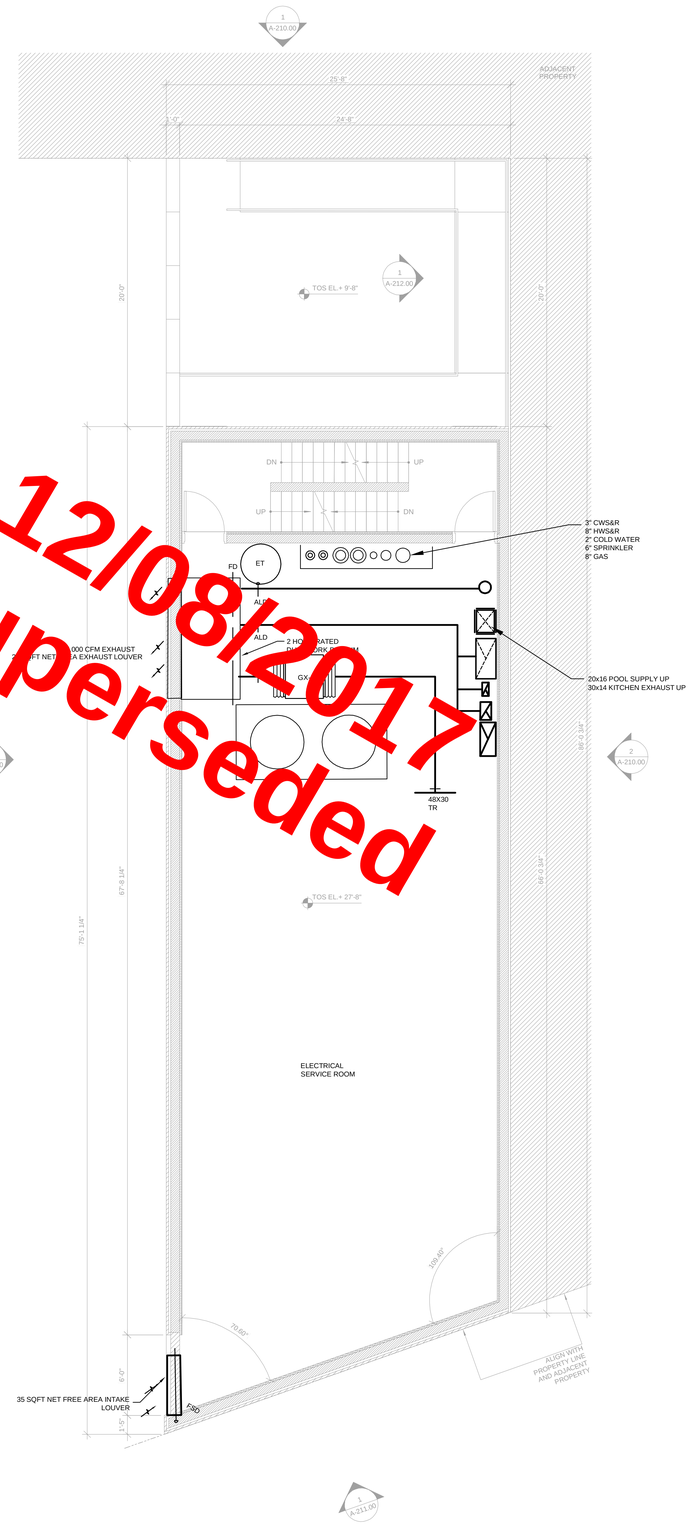
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-105.00
DWG NO.
04 OF 43

DEPT OF BLDGS 321321.10 Job Number
E3442008334 Scan Code

PAVILION PLAN - GROUND FLOOR

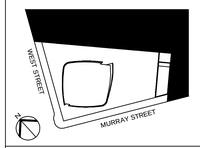


PAVILION PLAN - LEVEL 2



12/08/2017
Superseded

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MAHONEY
APPROVED
Under Directive 14 of the City Construction Code
NYC Dept. of Buildings
PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
PAVILION
GROUND & LEVEL 2

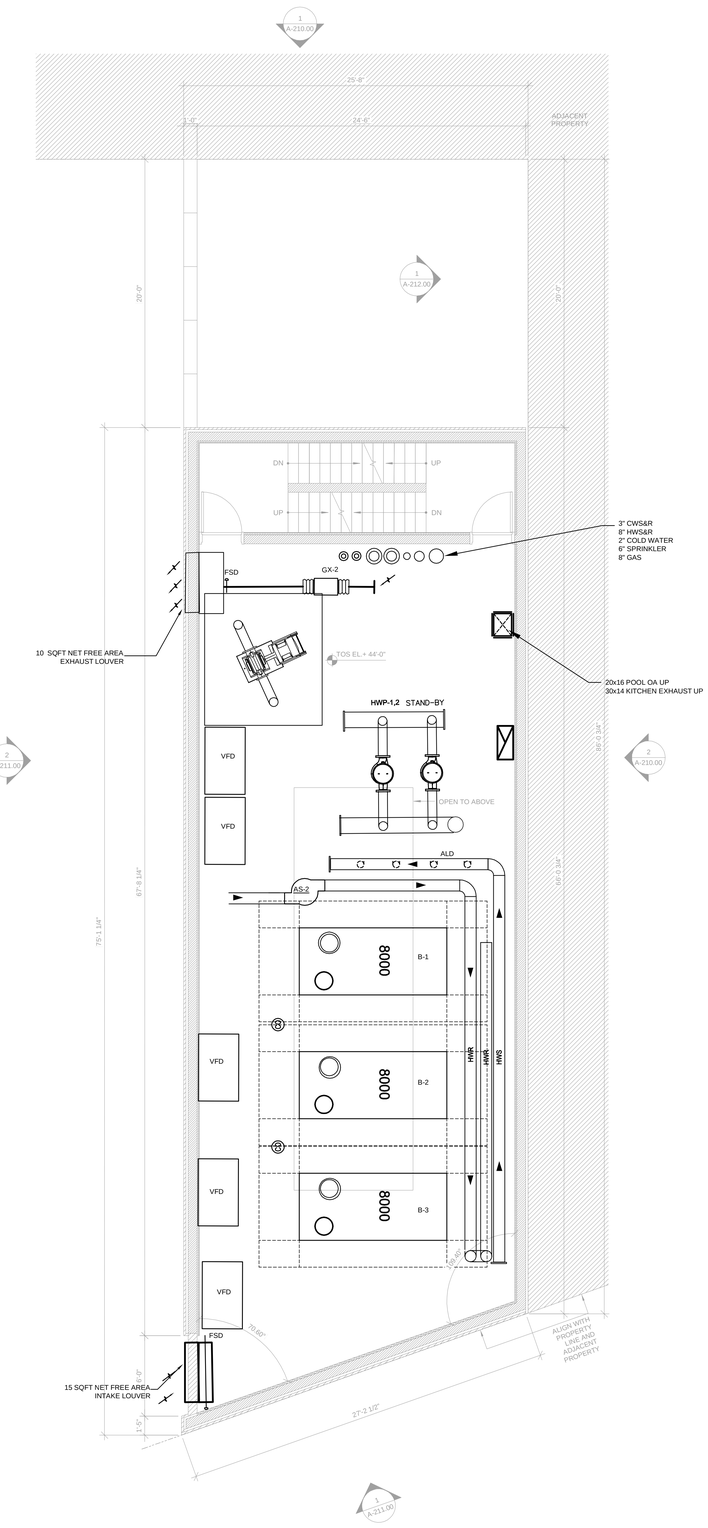
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-106.00
DWG NO.
06 OF 43

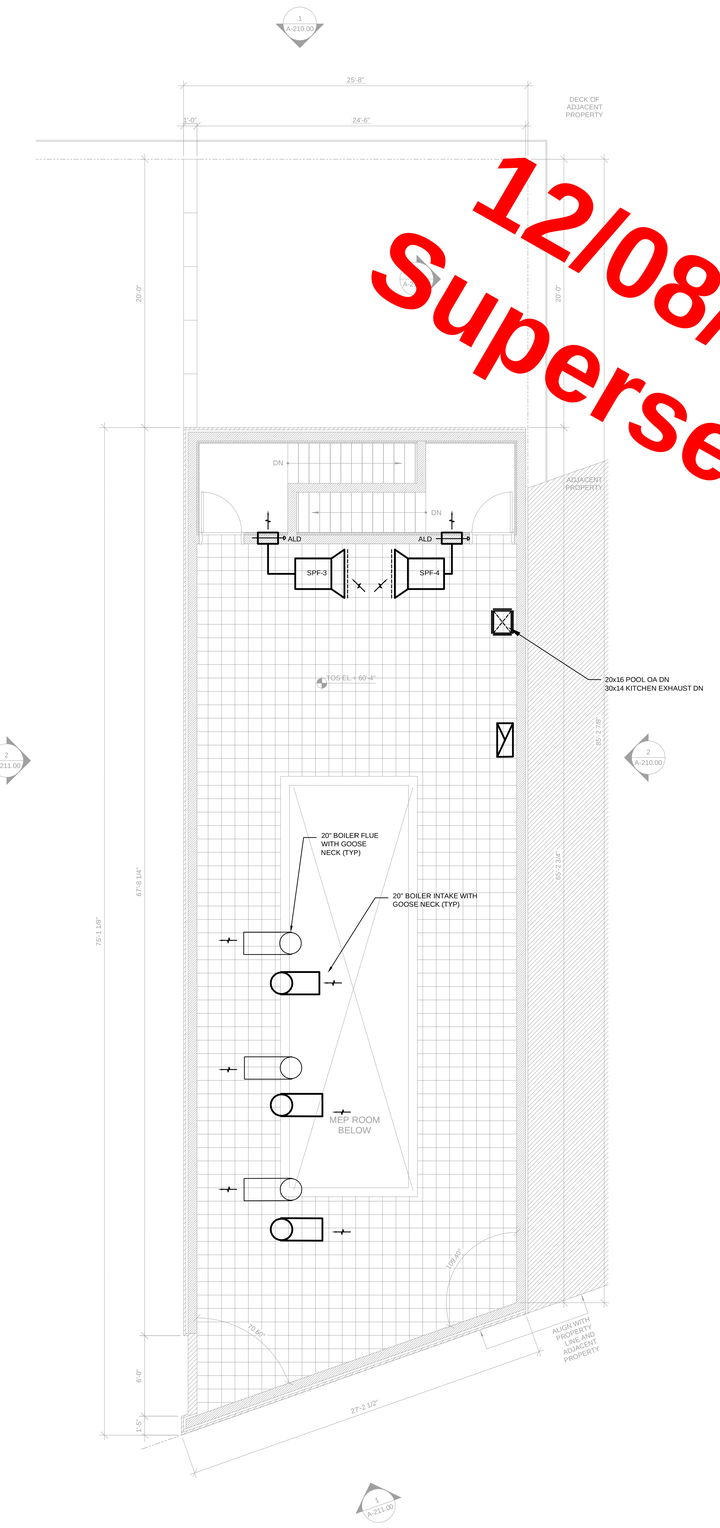
FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-106.dwg SAVED DN 2/27/2015 5:11 PM PLOTTED DN 3/9/2015 3:01 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 421321310 Job Number
B2625054M00 Scan Code

PAVILION PLAN - 3RD FLOOR

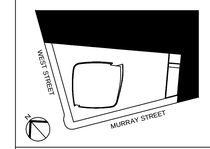


PAVILION PLAN - ROOF



12/08/2017
Superseded

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
	02/13/15	DOCUMENT ISSUE NO.7
	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
SERGEI W. MATUSEVICH
APPROVED
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
PAVILION
LEVEL 3 & ROOF

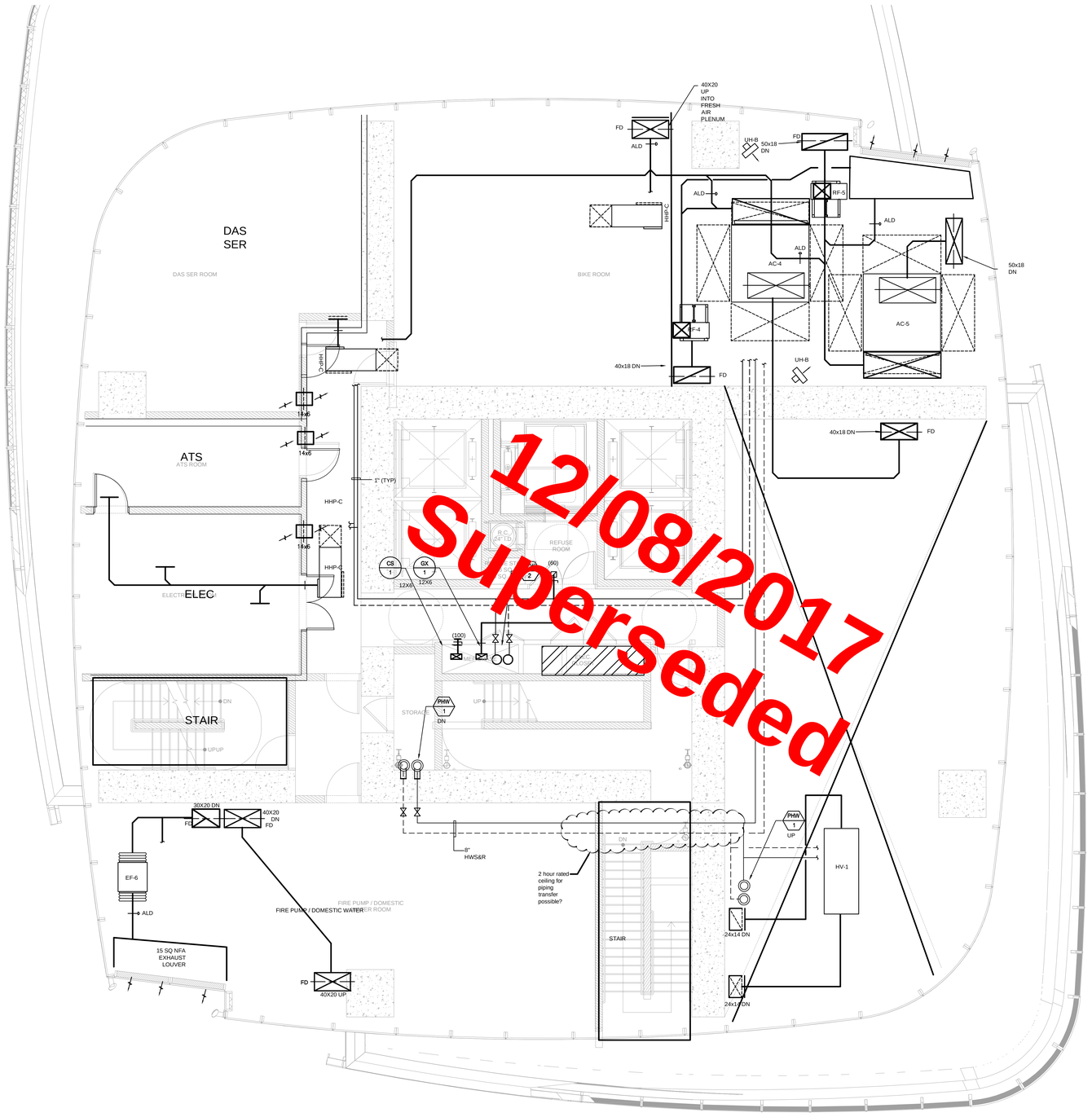
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-107.00
DWG NO.

06 OF 43

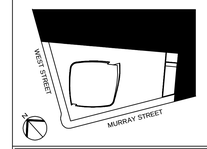
FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DDB\Mech\140006 - M-107.dwg SAVED ON 2/27/2015 5:11 PM PLOTTED ON 3/9/2015 3:01 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 121132110 Job Number
E500950524 Scan Code



12/08/2017
Superseded

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/16/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:

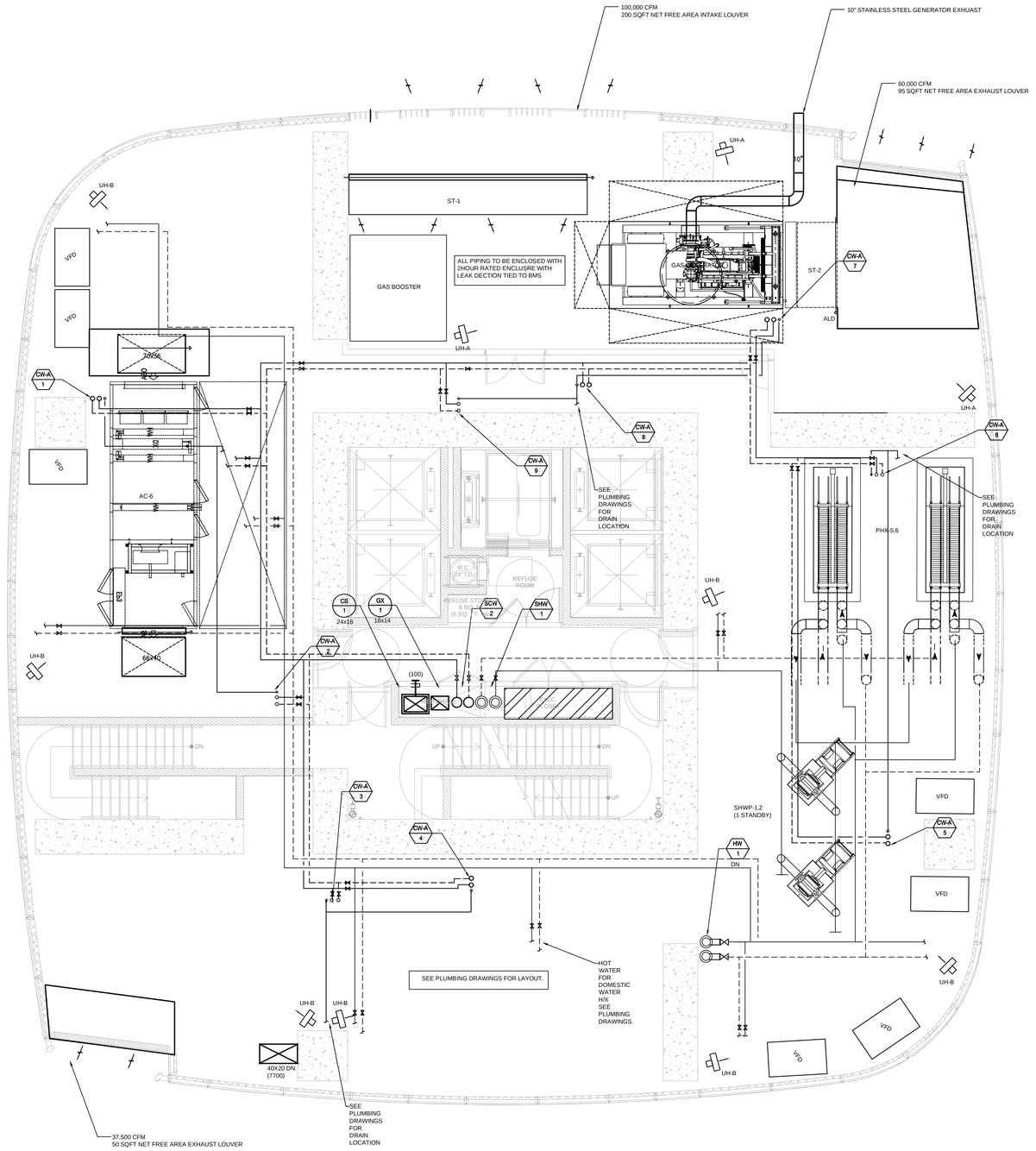
DWG TITLE:
MECHANICAL
LEVEL 2

SEAL & SIGNATURE:

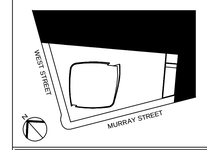
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-110.0
DWG NO.
07 OF 43

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DDB\Mech\140006 - M-110.dwg SAVED DN 2/27/2015 5:10 PM PLOTTED DN 3/9/2015 3:02 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 421323310 Job Number
B3401899035 Scan Code



KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MAHONEY
APPROVED
Under Directive 14 of the City Construction Code
NYC Buildings
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
LEVEL 3

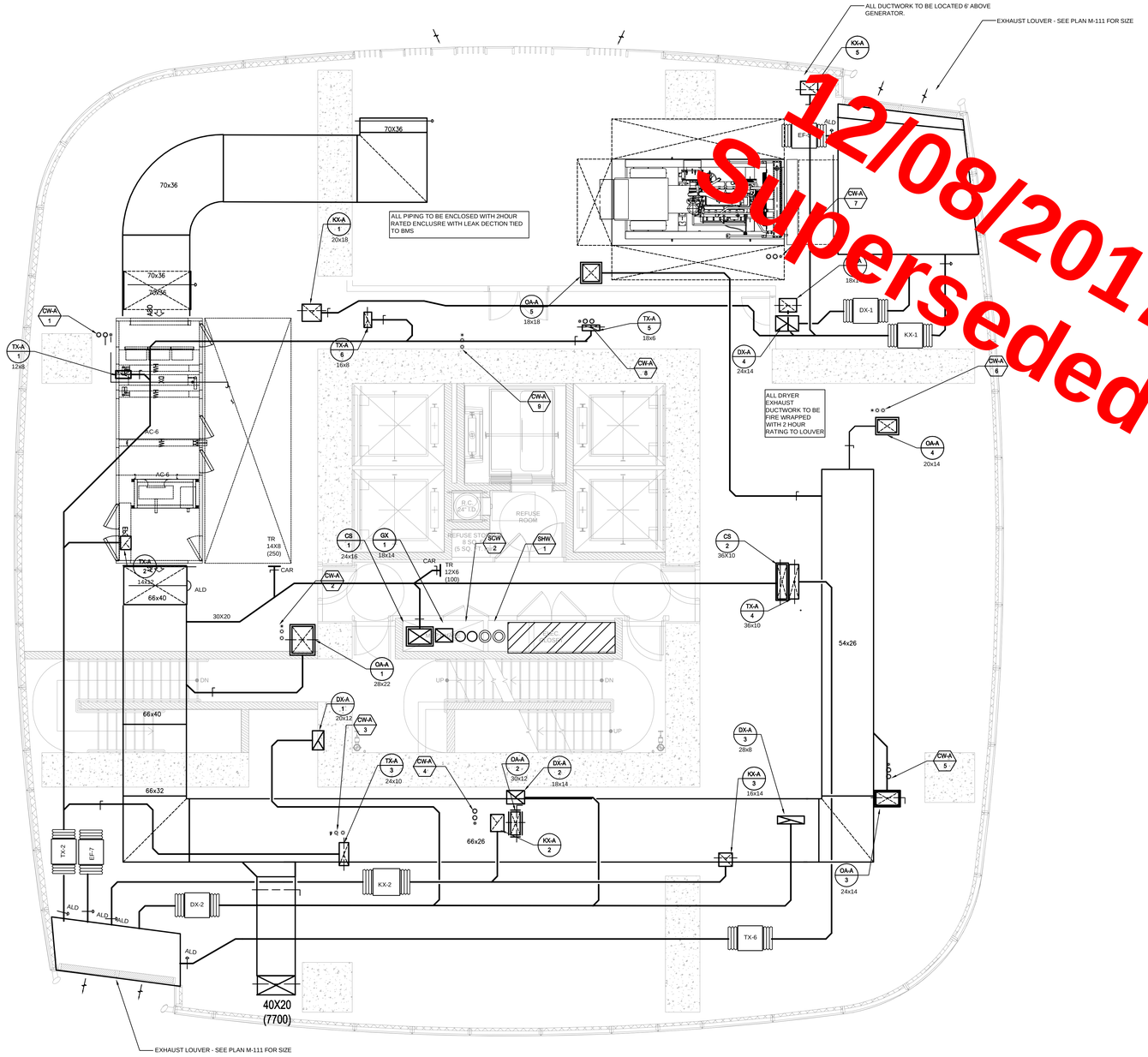
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-111.0
DWG NO.

08 OF 43

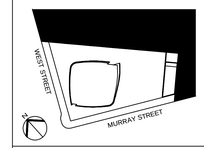
FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-111.dwg SAVED ON 2/27/2015 5:10 PM PLOTTED ON 3/9/2015 3:02 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 321323.10 Job Number
ES0402150251 Scan Code



12/08/2017
Superseded

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
APPROVED
NYC DEPARTMENT OF BUILDINGS
STATE OF NEW YORK
MICHAEL W. MANNING
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
LEVEL 3 UPPER TIER

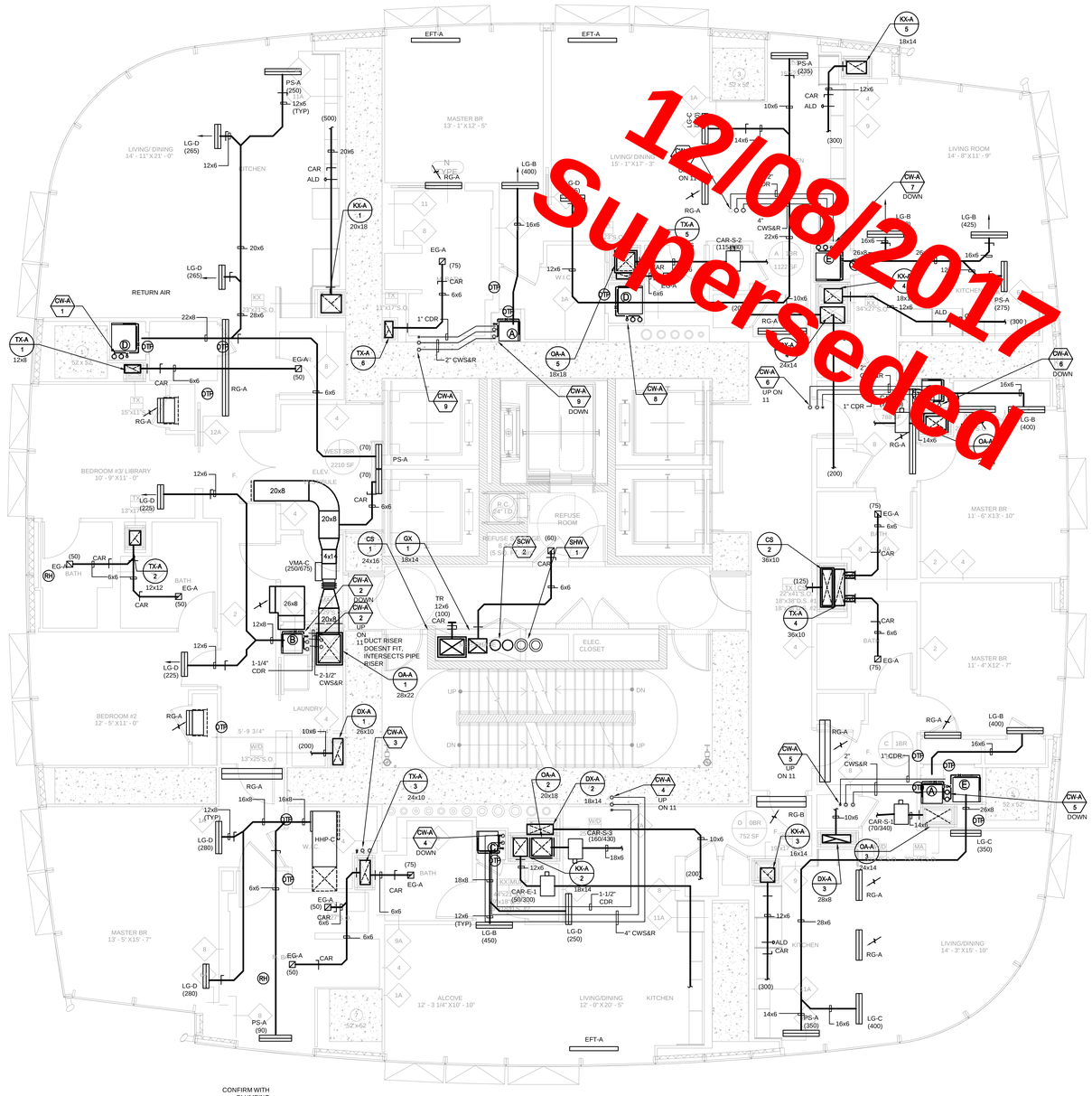
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-112.0
DWG NO.
09 OF 43

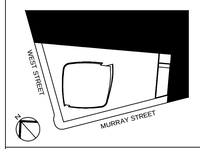
FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-112.dwg SAVED ON 2/27/2015 5:12 PM PLOTTED ON 3/9/2015 3:03 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 121321210 Job Number
E5141948587 Scan Code

12/08/2017
Superseded



KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212 977 6500 Fax: 212 956 2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MAHONEY
APPROVED
Under Directive 14 of the City Construction Code
NYC Buildings
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
LEVEL 4 -11

SEAL & SIGNATURE:

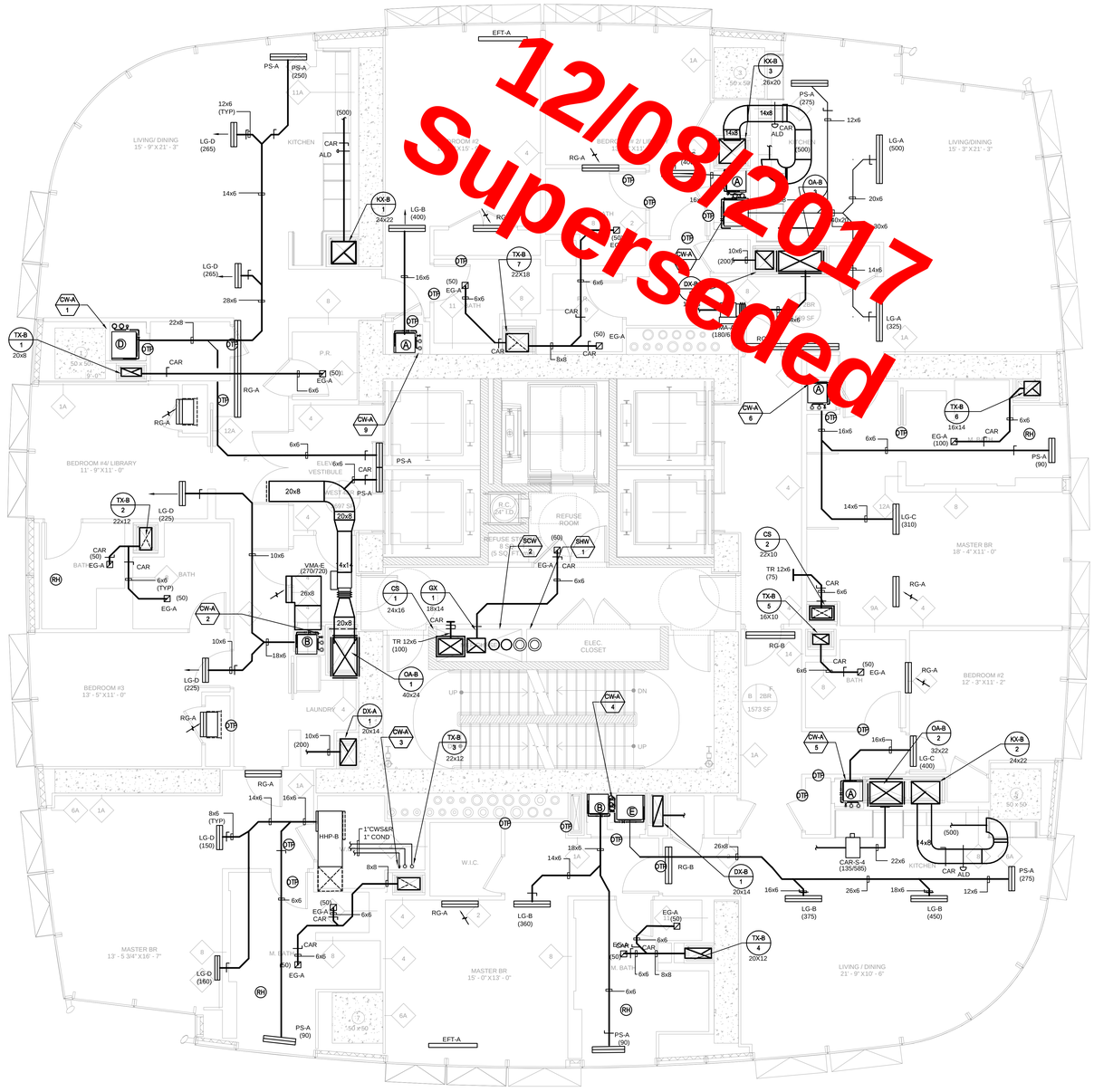
DATE: 09/15/14
PROJECT #: 1400006
SCALE: 1/4"=1'-0"
M-113.0
DWG NO.

10 OF 43

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DDB\Mech\140006 - M-113.dwg SAVED DN 2/27/2015 5:35 PM PLOTTED DN 3/9/2015 3:03 PM PLOTTED BY ISRAEL, YOUSSEF

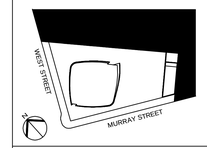
DEPT OF BLDGS 321323.10 Job Number
ES2315547295 Scan Code

12/08/2017
superseded



FILE NAME: I:\140006 - 101 Murray\Issue\15-03-09 DDB\Mech\140006 - M-125.dwg SAVED ON 2/27/2015 5:34 PM PLOTTED ON 3/9/2015 3:04 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0520 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

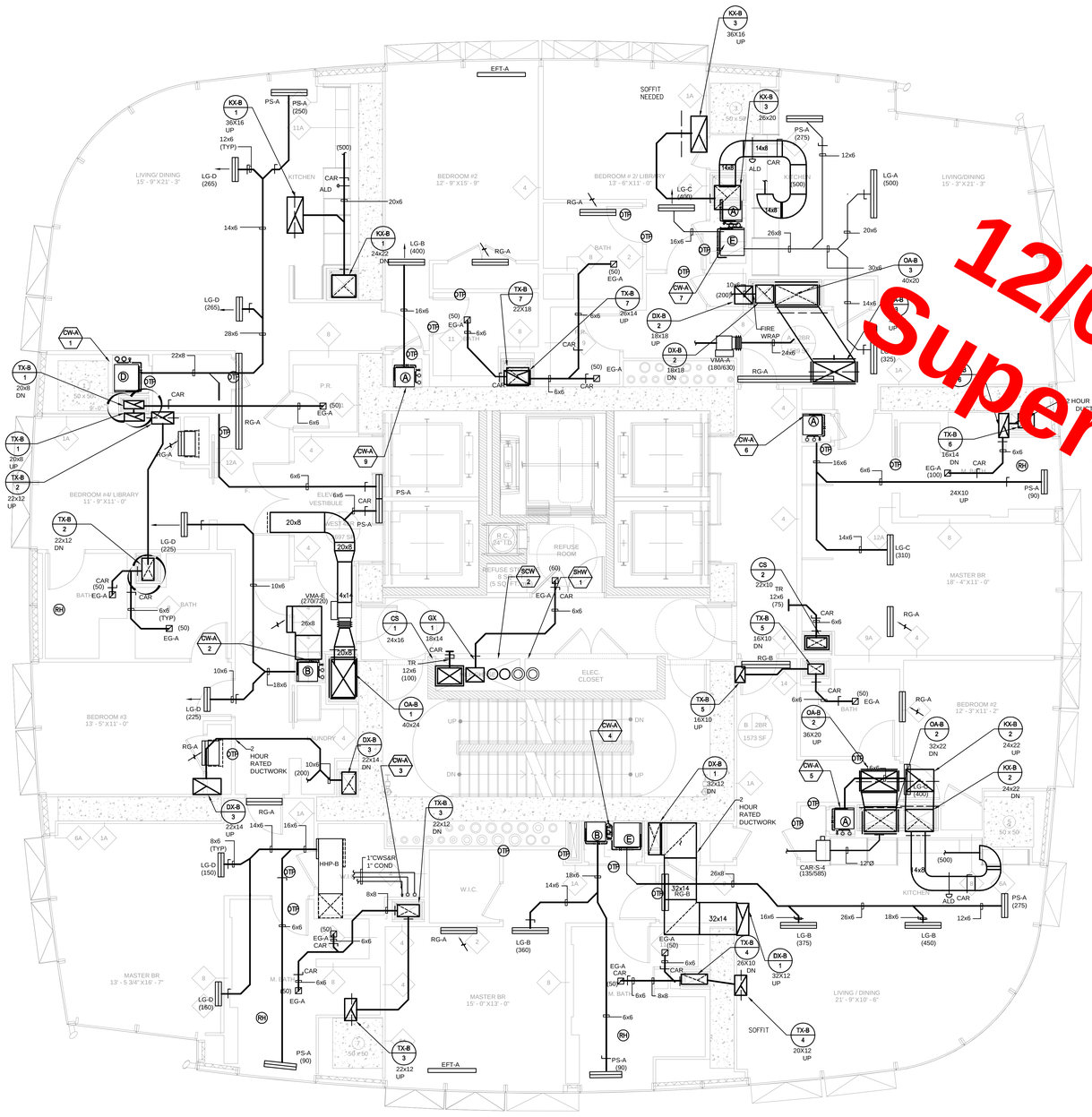
DOB STAMPS & SIGNATURES:
Shaugat Shaikh
STATE OF NEW YORK
MICHAEL W. MANCHE
APPROVED
NYC DEPARTMENT OF BUILDINGS
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
LEVEL 12-25

SEAL & SIGNATURE:

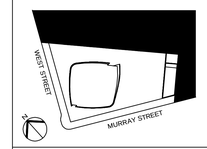
DATE: 05/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-125.0
DWG NO.

DEPT OF BLDGS 421353310 Job Number
B00000039790 Scan Code



12/08/2017
Superseded

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:

DWG TITLE:
MECHANICAL
LEVEL 26 (OFFSET)

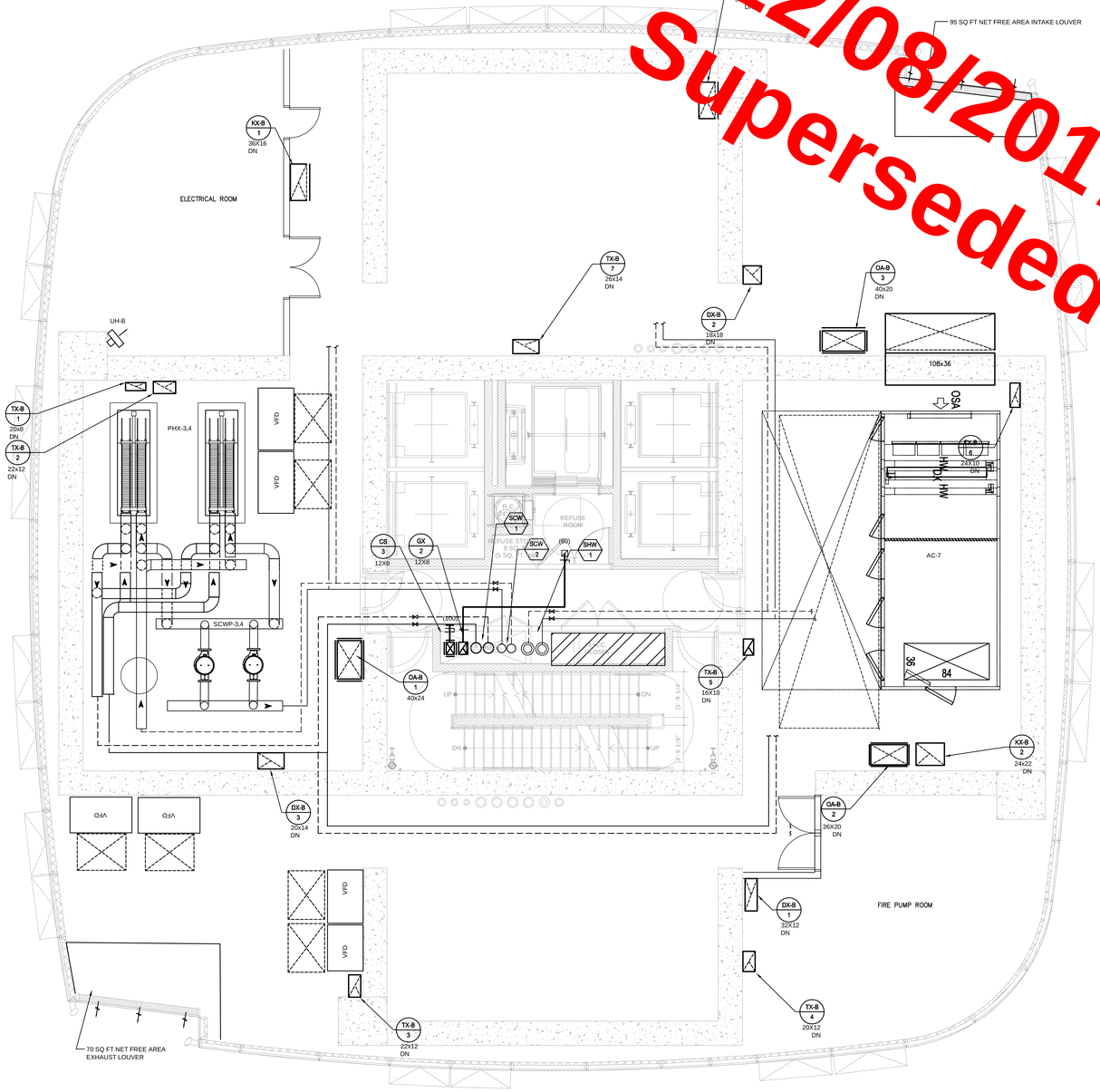
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-126.0
DWG NO.

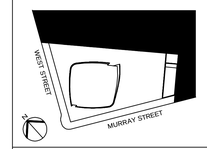
FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-126.dwg SAVED DN 2/27/2015 5:34 PM PLOTTED DN 3/9/2015 3:04 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 421323.10 Job Number
E3997740023 Scan Code

12/08/2017
Superseded



KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
SHAUQAT M. SHAIKH
Date of Exam: 09/12/2013
License Number: 090351
Professional Engineer
NYC DEPARTMENT OF BUILDINGS PROFESSIONAL ENGINEER

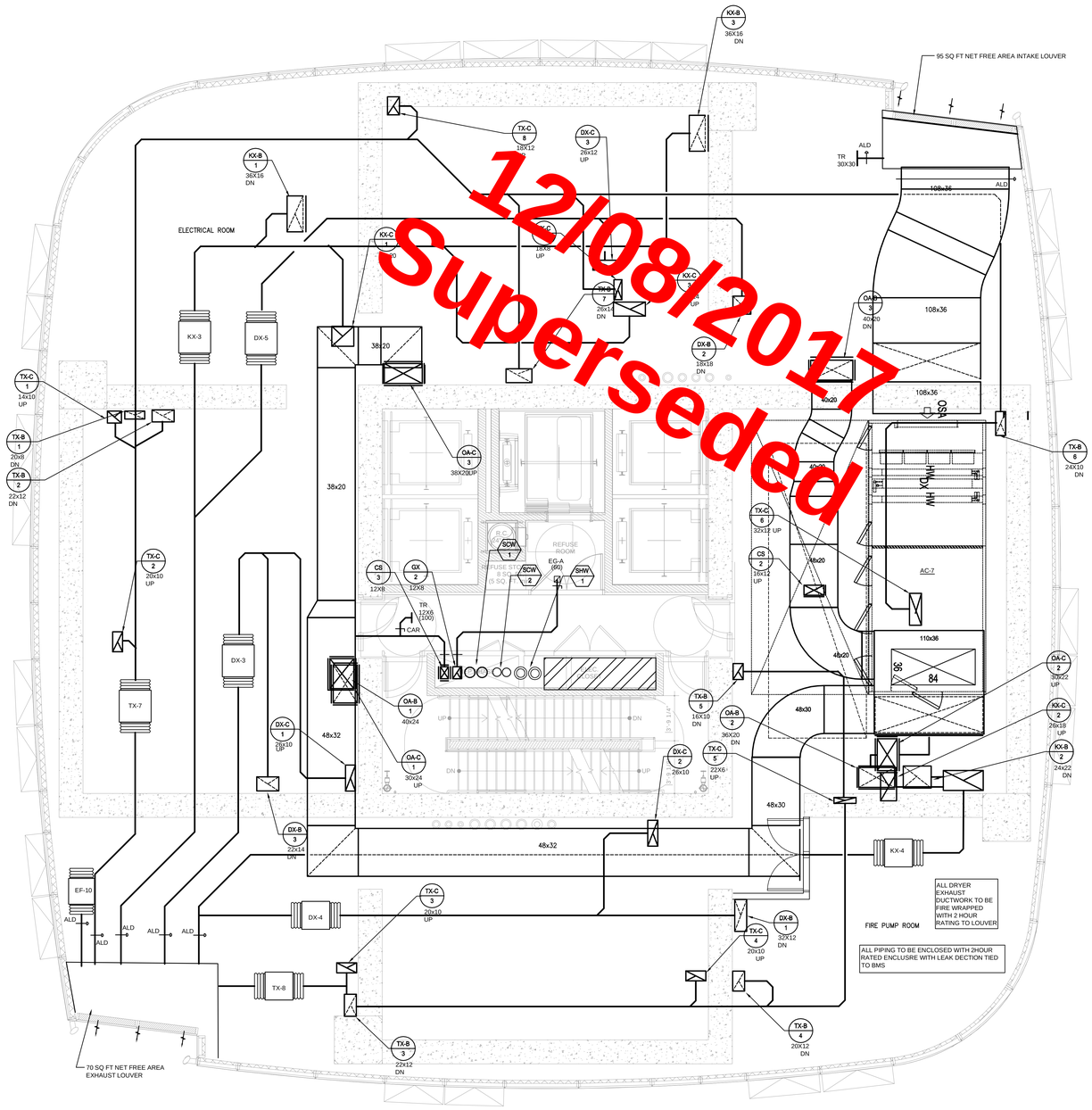
DWG TITLE:
MECHANICAL
LEVEL 27

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-127.0
DWG NO.

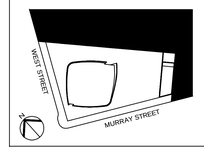
FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-127.dwg SAVED DN 2/27/2015 5:14 PM PLOTTED DN 3/9/2015 3:05 PM PLOTTED BY ISRAEL YOUSSEF

DEPT OF BLDGS 421132110 Job Number
B33333333271 Scan Code



12/08/2017
Superseded

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MARSHALL
APPROVED
NYC DEPARTMENT OF BUILDINGS
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
LEVEL 27 UPPER TIER

SEAL & SIGNATURE:

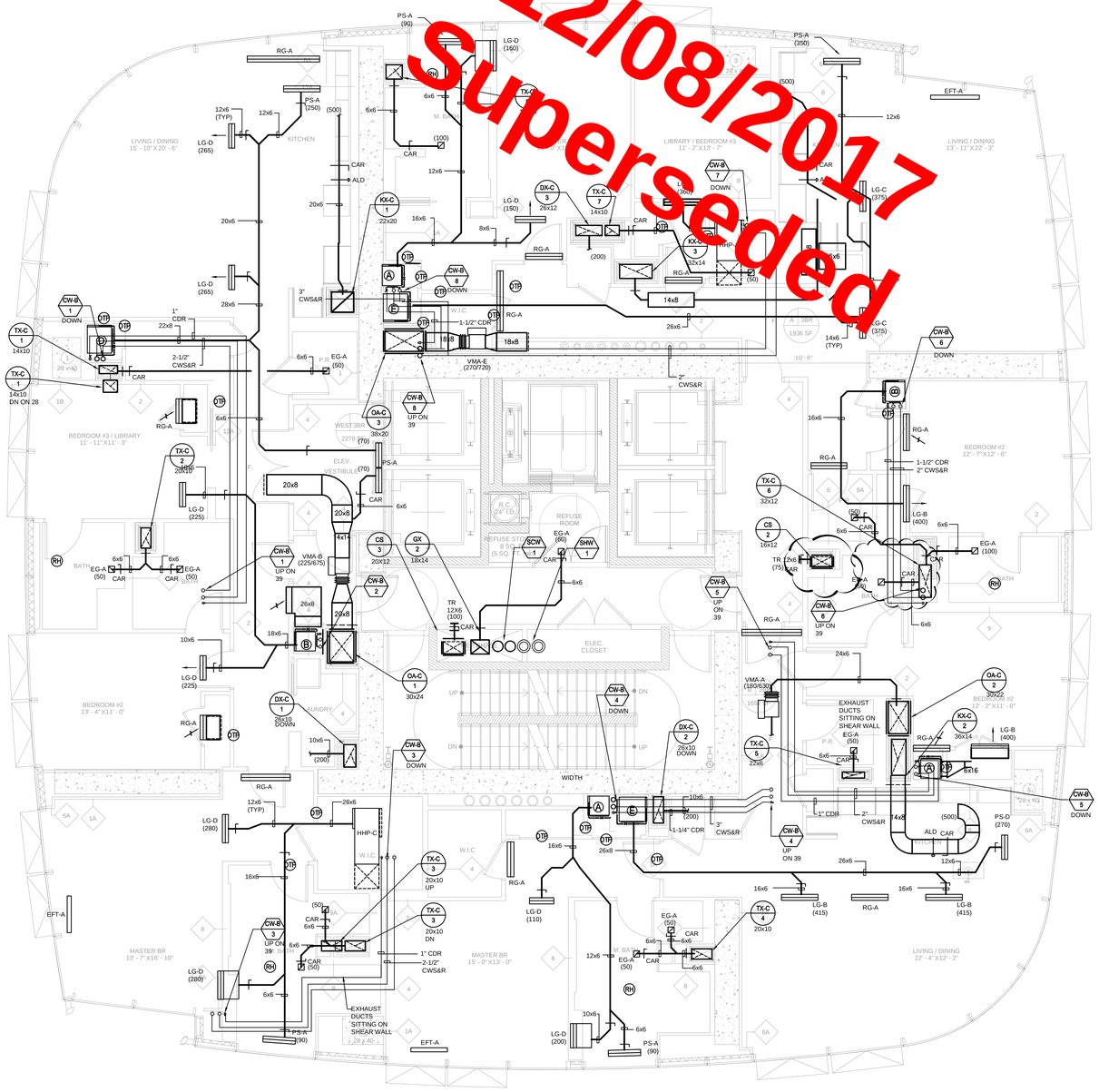
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-128.0
DWG NO.

14 OF 43

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DDB\Mech\140006 - M-128.dwg SAVED DN 2/27/2015 5:13 PM PLOTTED DN 3/9/2015 3:05 PM PLOTTED BY ISRAEL, YOUSSEF

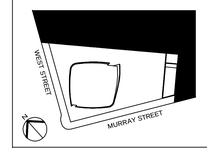
DEPT OF BLDGS 121132110 Job Number
ES9500852385 Scan Code

12/08/2017
superseded



FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-139.dwg SAVED ON 2/27/2015 5:33 PM PLOTTED ON 3/9/2015 3:06 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

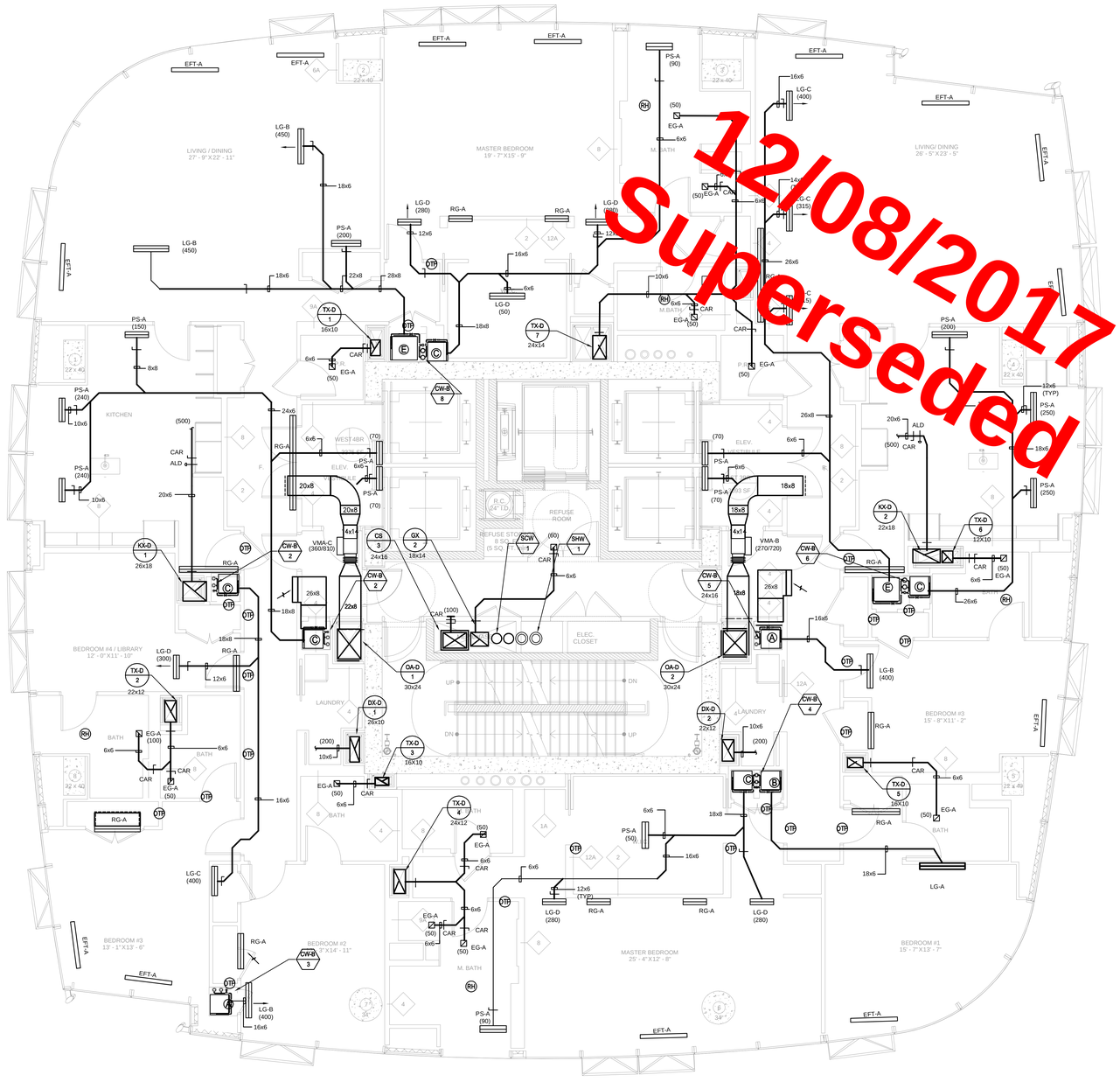
DOB STAMPS & SIGNATURES:
Shaugat Shaikh
STATE OF NEW YORK
ISRAEL W. MARKUS
APPROVED
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
LEVEL 28-39

SEAL & SIGNATURE:

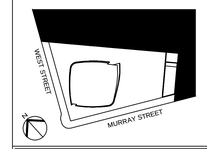
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-139.0
DWG NO.

DEPT OF BLDGS 121132110 Job Number
E500535787I Scan Code



FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-149.dwg SAVED ON 2/27/2015 5:30 PM PLOTTED ON 3/9/2015 3:06 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Casertini ASSOCIATES CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

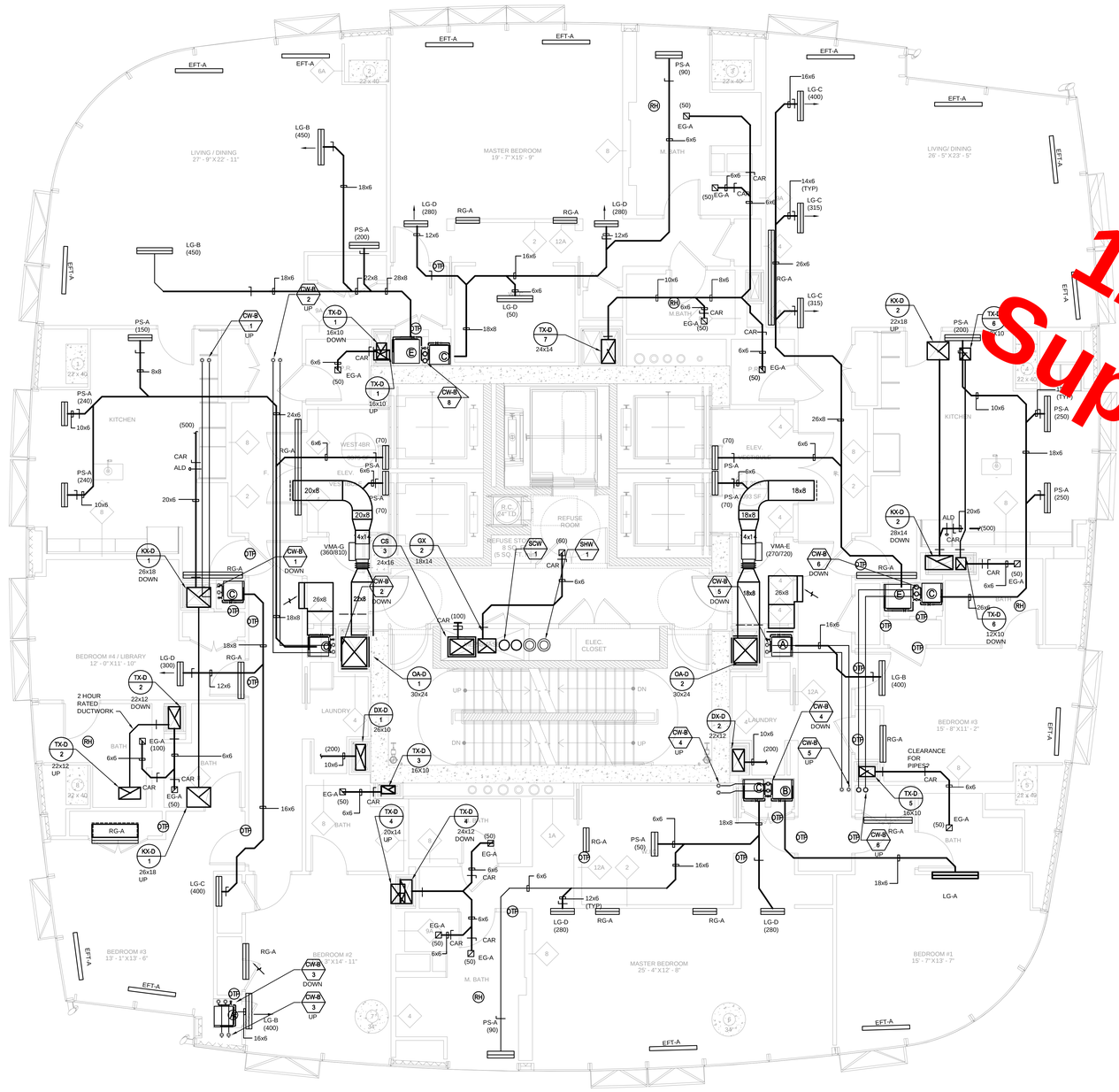
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
ISRAEL W. MARCHUK
APPROVED
NYC Department of Buildings
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
LEVEL 40-50

SEAL & SIGNATURE:

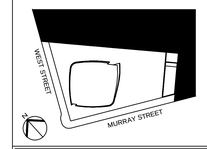
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-149.0
DWG NO.

DEPT OF BLDGS 421132110 Job Number
E360656212SK Scan Code



12/08/2017
Superseded

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MAYDAK
Professional Engineer
APPROVED
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
LEVEL 50 (OFFSET)

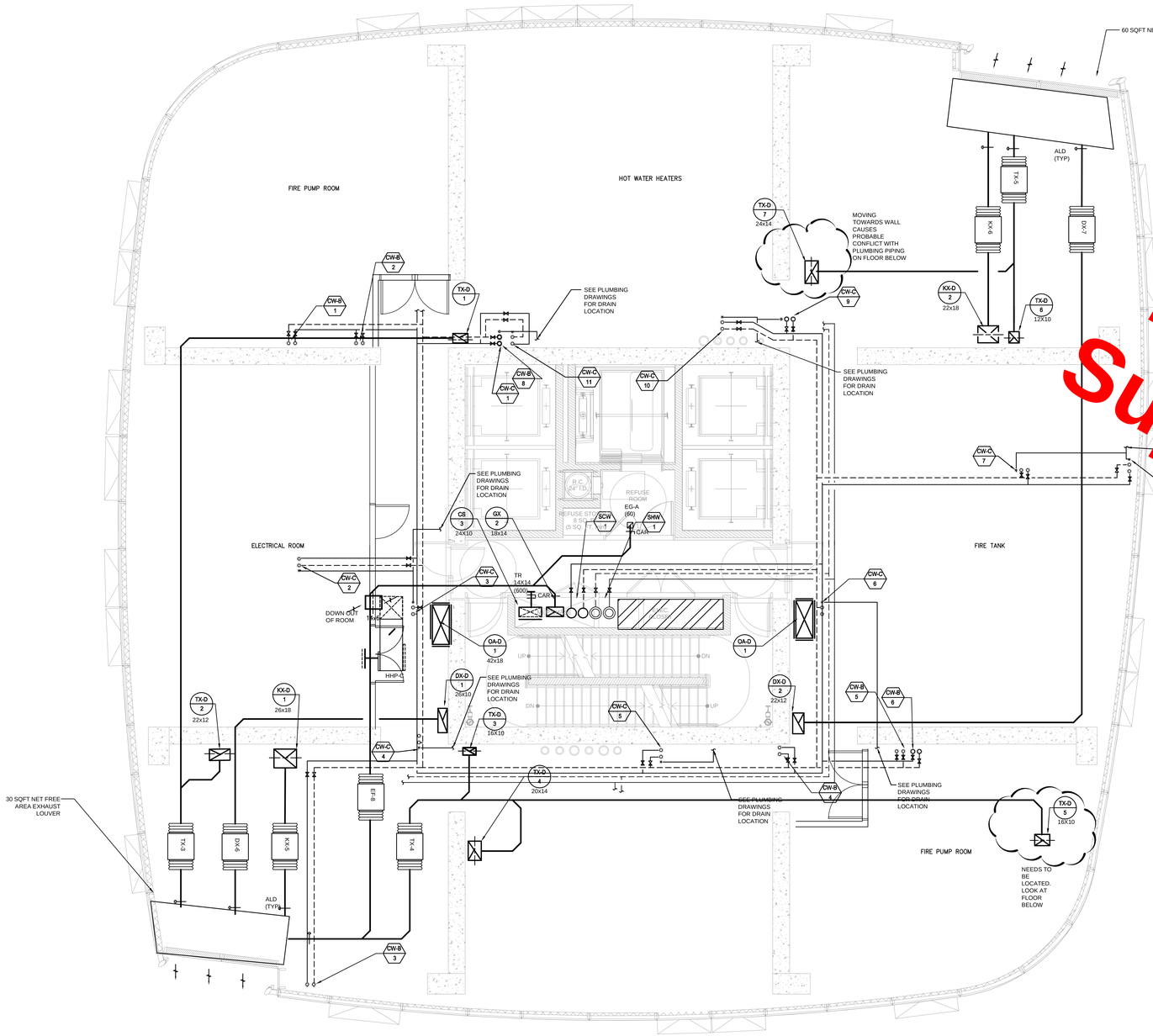
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-150.0
DWG NO.

17 OF 43

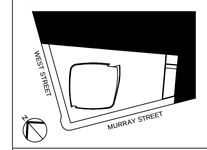
FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-150.dwg SAVED DN 2/27/2015 5:28 PM PLOTTED DN 3/9/2015 3:07 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 121132110 Job Number
E3000050-I3SS Scan Code



12/08/2017
superseded

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MARSHALL
APPROVED
Deputy Director of Mechanical & Plumbing
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
LEVEL 51

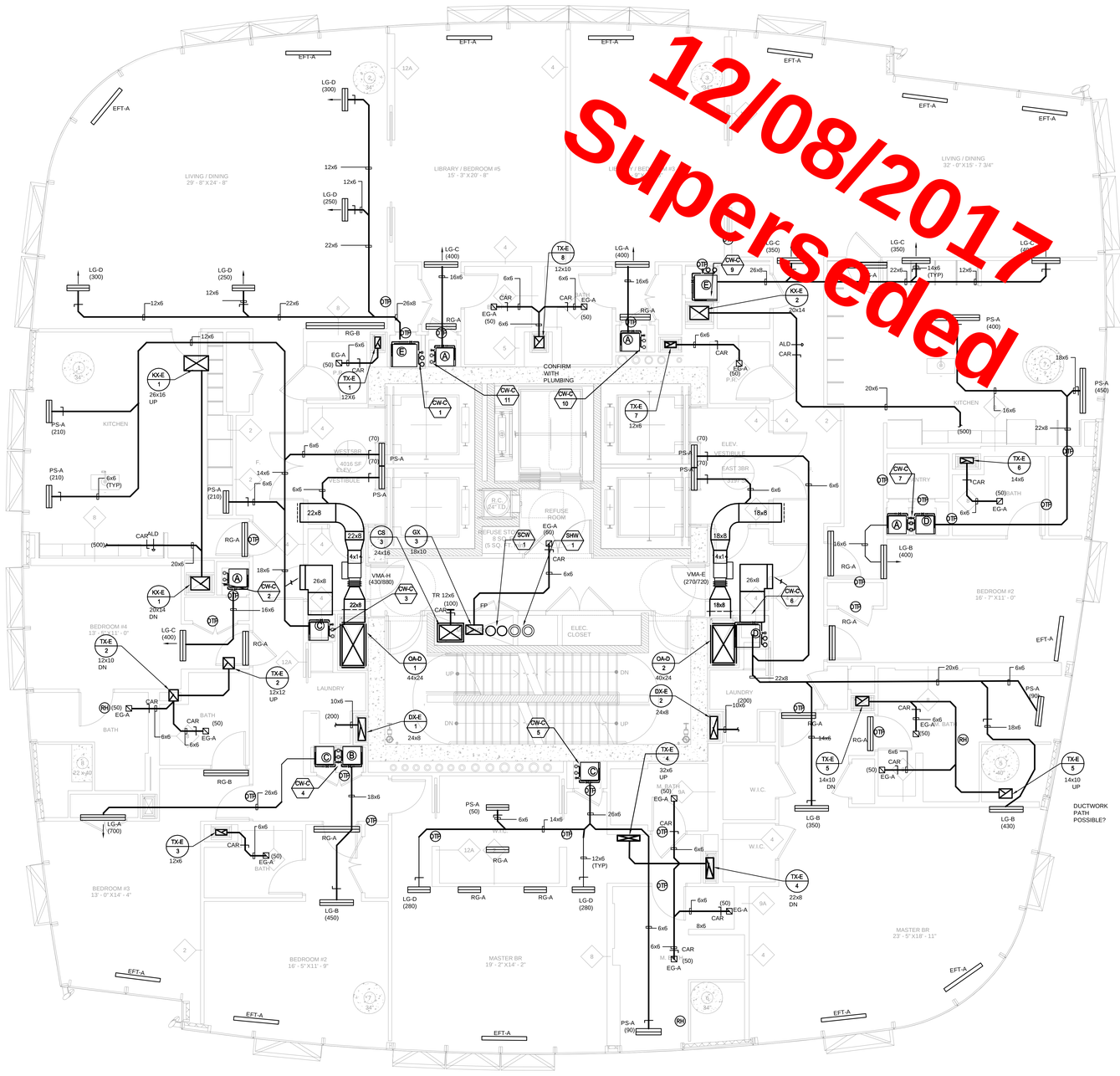
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-151.0
DWG NO.

FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-151.dwg SAVED ON 2/27/2015 5:20 PM PLOTTED ON 3/9/2015 3:07 PM PLOTTED BY ISRAEL, YOUSSEF

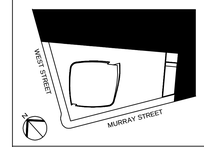
DEPT OF BLDGS 121321310 Job Number
ES7913456997 Scan Code

12/08/2017
Superseded



FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-157.dwg SAVED ON 2/27/2015 5:28 PM PLOTTED ON 3/9/2015 3:08 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

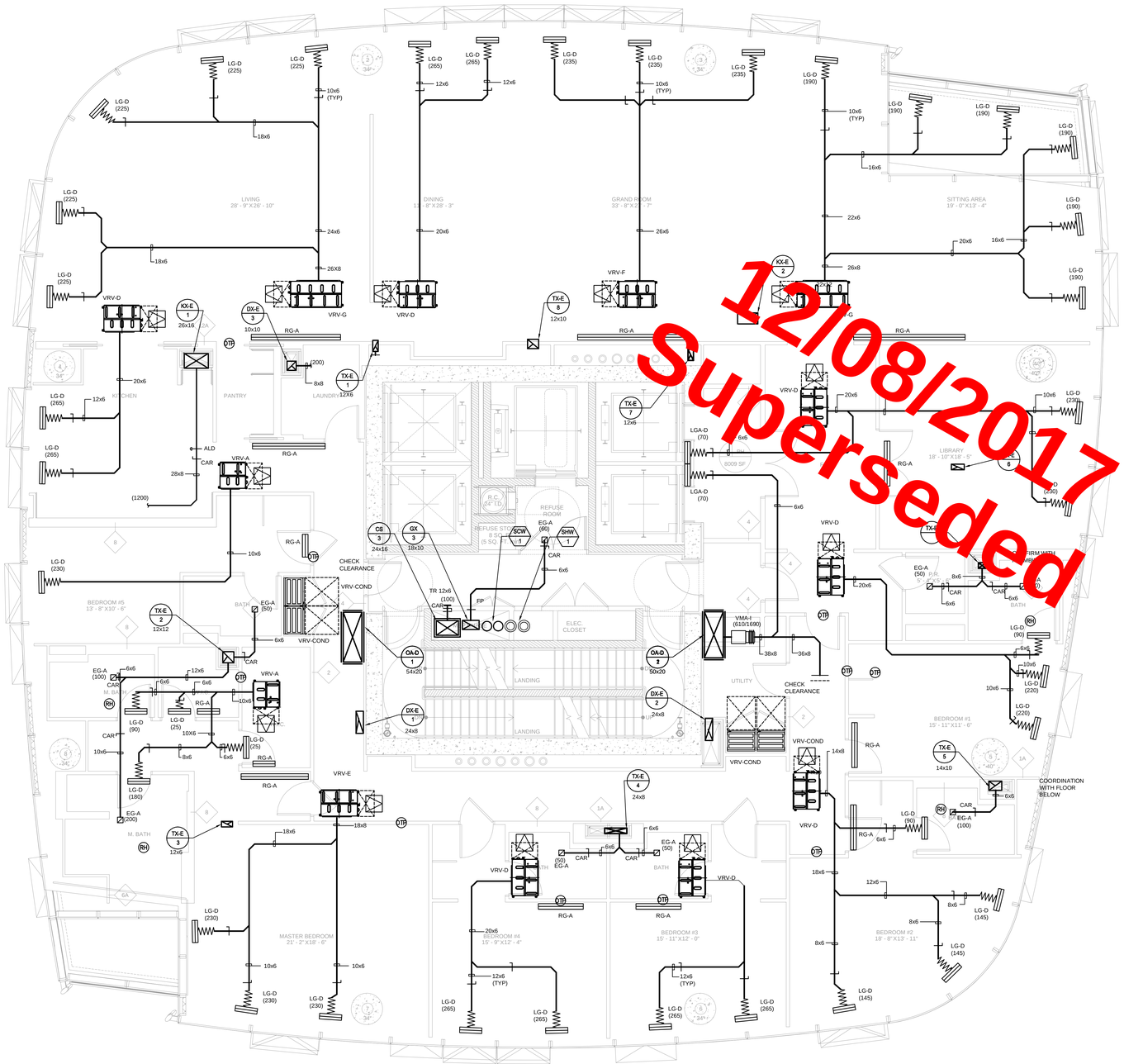
DOB STAMPS & SIGNATURES:

DWG TITLE:
MECHANICAL
LEVEL 52-57

SEAL & SIGNATURE:

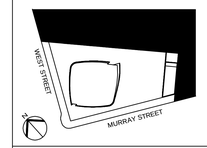
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-157.0
DWG NO.

DEPT OF BLDGS 321323.10 Job Number
ESA1409695 Scan Code



12/08/2017
Superseded

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MARSHALL
APPROVED
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGR

DWG TITLE:
MECHANICAL
LEVEL 58

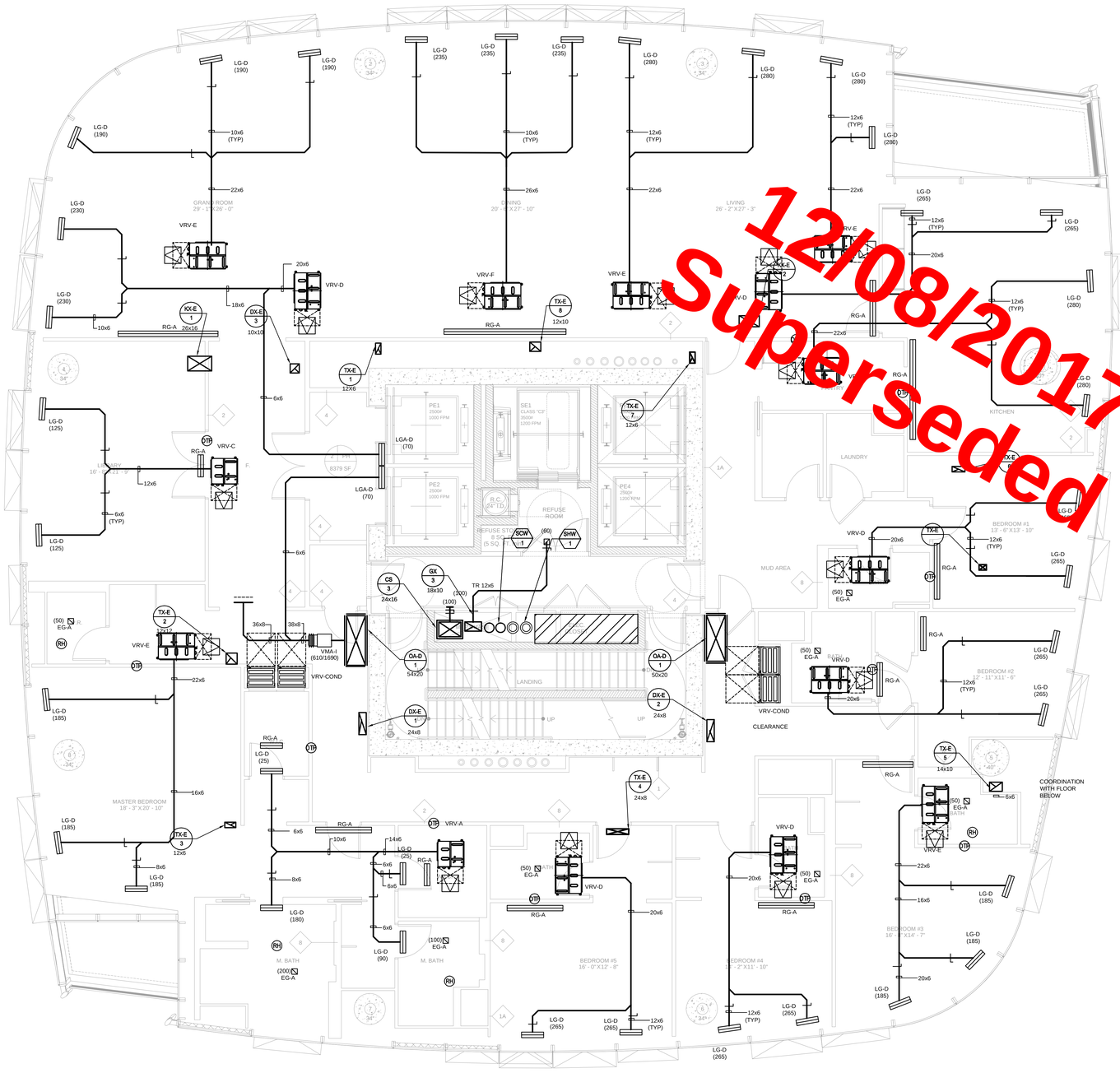
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-158.0
DWG NO.

20 OF 43

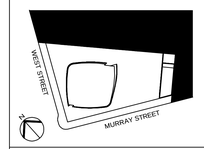
FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-158.dwg SAVED ON 2/27/2015 5:27 PM PLOTTED ON 3/9/2015 3:08 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 421132110 Job Number
B3666666605 Scan Code



12/08/2017
Superseded

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MARSHALL
APPROVED
Borough Commissioner
Manhattan
NYC DEPARTMENT OF BUILDINGS
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
LEVEL 59

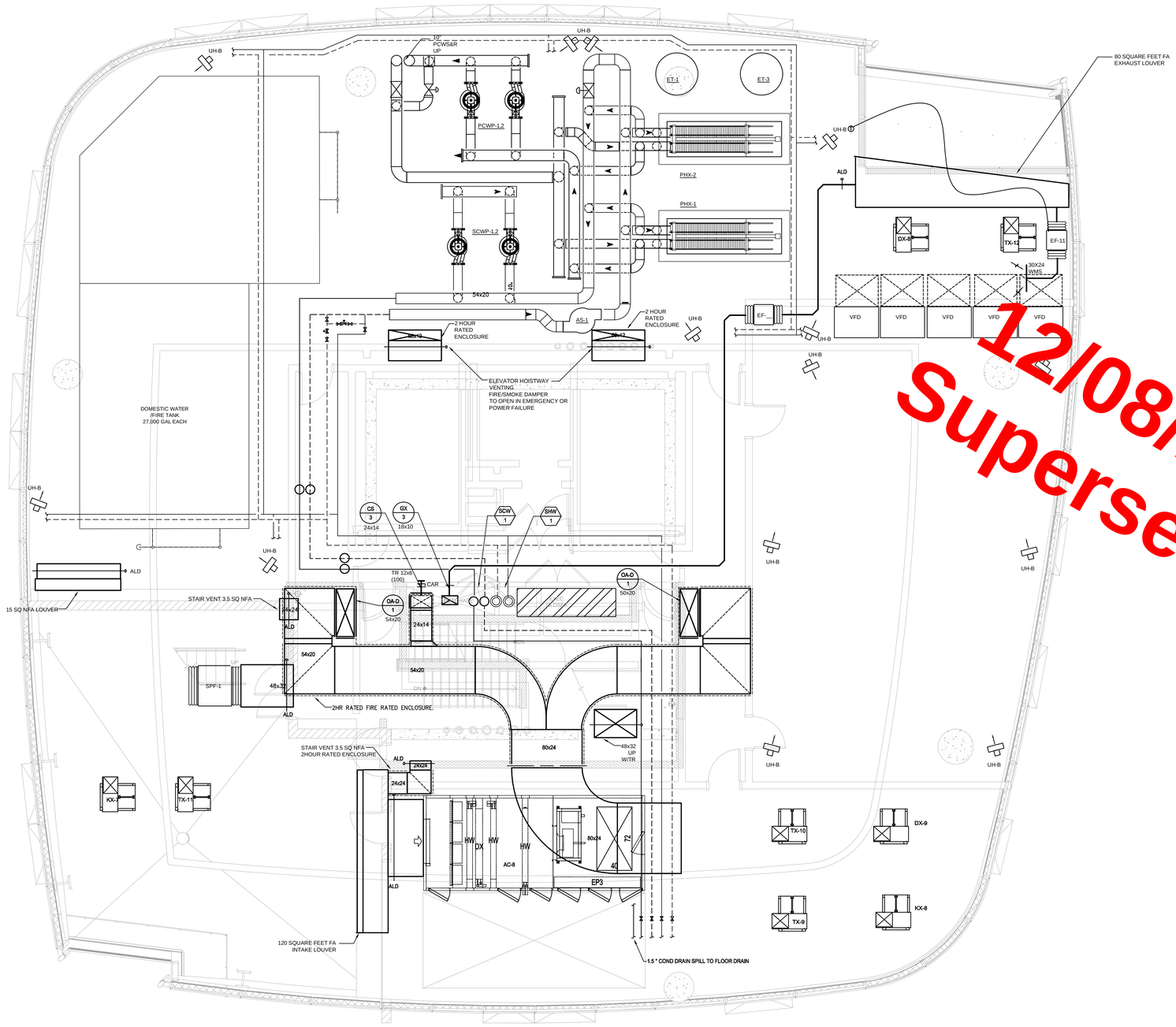
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-159.0
DWG NO.

21 OF 43

FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DDB\Mech\140006 - M-159.dwg SAVED ON 2/27/2015 5:36 PM PLOTTED ON 3/9/2015 3:09 PM PLOTTED BY ISRAEL, YOUSSEF

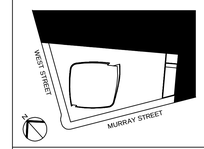
DEPT OF BLDGS 421323310 Job Number
E3412775678 Scan Code



12/08/2017
Superseded

TITLE NAME I:\140006 - 101 Murray\Issued\15-03-09 DDB\Mech\140006 - M-160.dwg SAVED DN 2/27/2015 5:20 PM PLOTTED DN 3/9/2015 3:09 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
STATE OF NEW YORK
SHAIKH W. MAHBUB
APPROVED
Master Directive Approval
NYC Department of Buildings
PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
LEVEL 60

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-160.0
DWG NO.

DEPT OF BLDGS 121132110 Job Number
E58894729750 Scan Code

12/08/2017
Superseded

REQUIRED ACCESS SPACE

6' OF DUNNAGE

10" PCWS&R DN

30' SETBACK LINE

10'-0"

EXTERIOR TOWER MEP BULKHEAD ROOF T.O.S. 61TH FLR 761'-10-1/2"

EXTERIOR TOWER MEP BULKHEAD ROOF SEE

DOWN

6SQFT NFA LOUVER

4SQFT NFA LOUVER

48x24

ELEVATOR HOISTWAY VENTING FIRE/SMOKE DAMPER TO OPEN IN EMERGENCY OR POWER FAILURE

AC-9-1 EVAP

AC-9-2 EVAP

AC-9-3 EVAP

AC-9-4 EVAP

INTERIOR PASSENGER ELEVATOR MACHINE ROOM T.O.S. 61TH FLR 761'-10-1/2"

1" COND
7/8" LIQUID
3/4" SUCTION

3" COND TO SPILL ON ROOF

TUNED MASS DAMPER SIZING TBD

AC-9 CONDENSER

48x32 DN

32x48

SPF-2

LOUVERED DOG HOUSE (EXHAUST)

(OPEN TO SKY) EXTERIOR ROOF T.O.S. 60TH FLR 748'-4-1/2"

EXTERIOR MEP BULKHEAD ROOF T.O.S. 61TH FLR 761'-10-1/2"

PROPERTY LINE

TOWER SETBACK LINE

TOWER SETBACK LINE

PROPERTY LINE

10'-0"

10'-0"

A-200.00

A-201.00

A-303.00

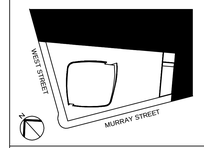
A-304.00

A-303.00

A-201.00

A-200.00

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
SAMUEL W. MARKHAM
APPROVED
NYC DEPARTMENT OF BUILDINGS
Approved 11693.1 Approved
PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
LEVEL 61 (EMR OF PASSENGER ELEVATORS)

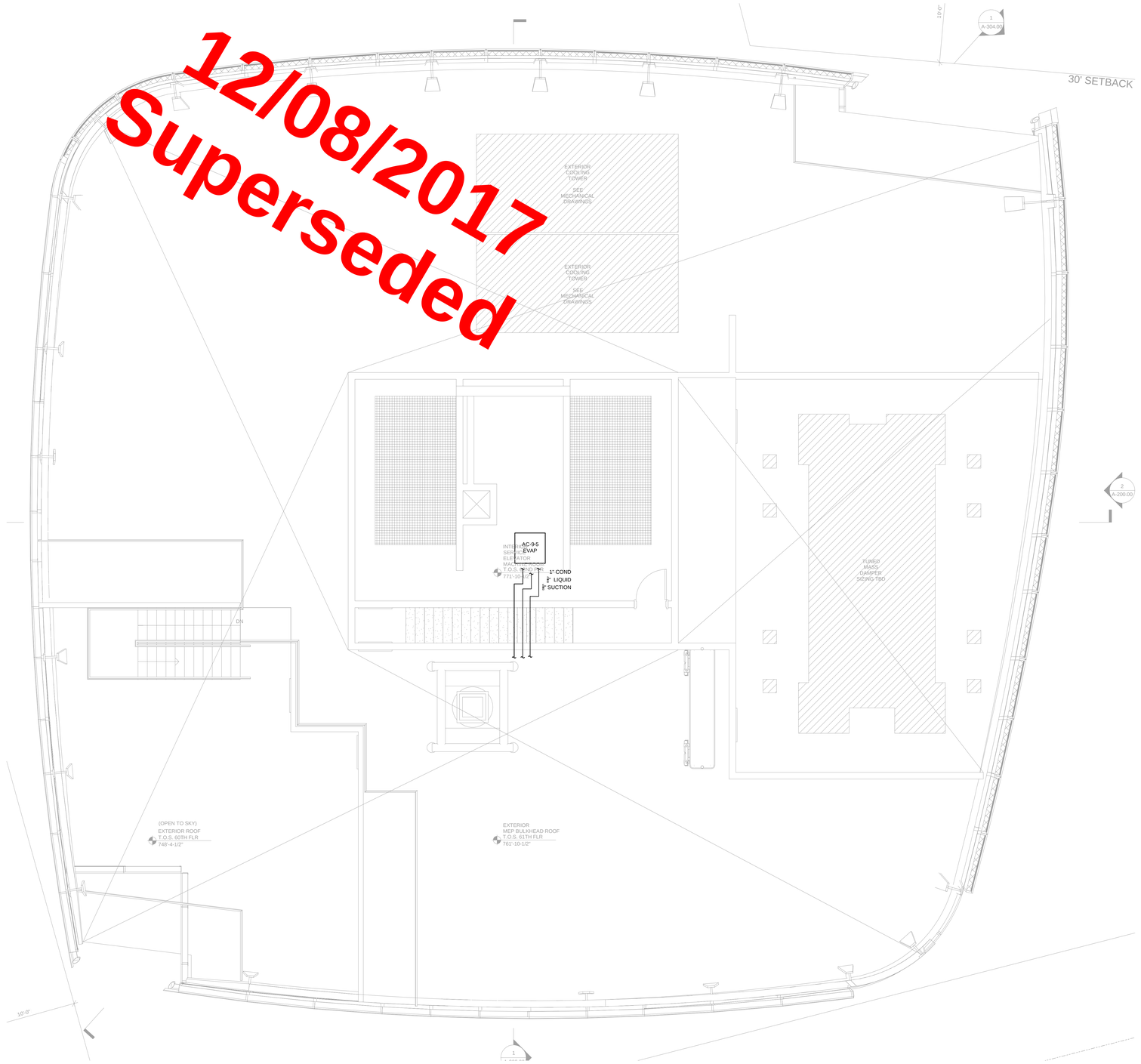
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-161.0
DWG NO.

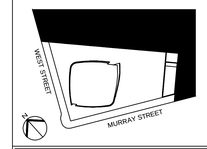
FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-161.dwg SAVED DN 2/27/2015 5:19 PM PLOTTED DN 3/9/2015 3:10 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 421323.10 Job Number
K3772649855 Scan Code

12/08/2017
Superseded



KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MARSHALL
049120
LICENSED PROFESSIONAL ENGINEER
Approved
NYC Dept. of Buildings
Plan Examiner
[illegible]

DWG TITLE:
MECHANICAL
LEVEL 62

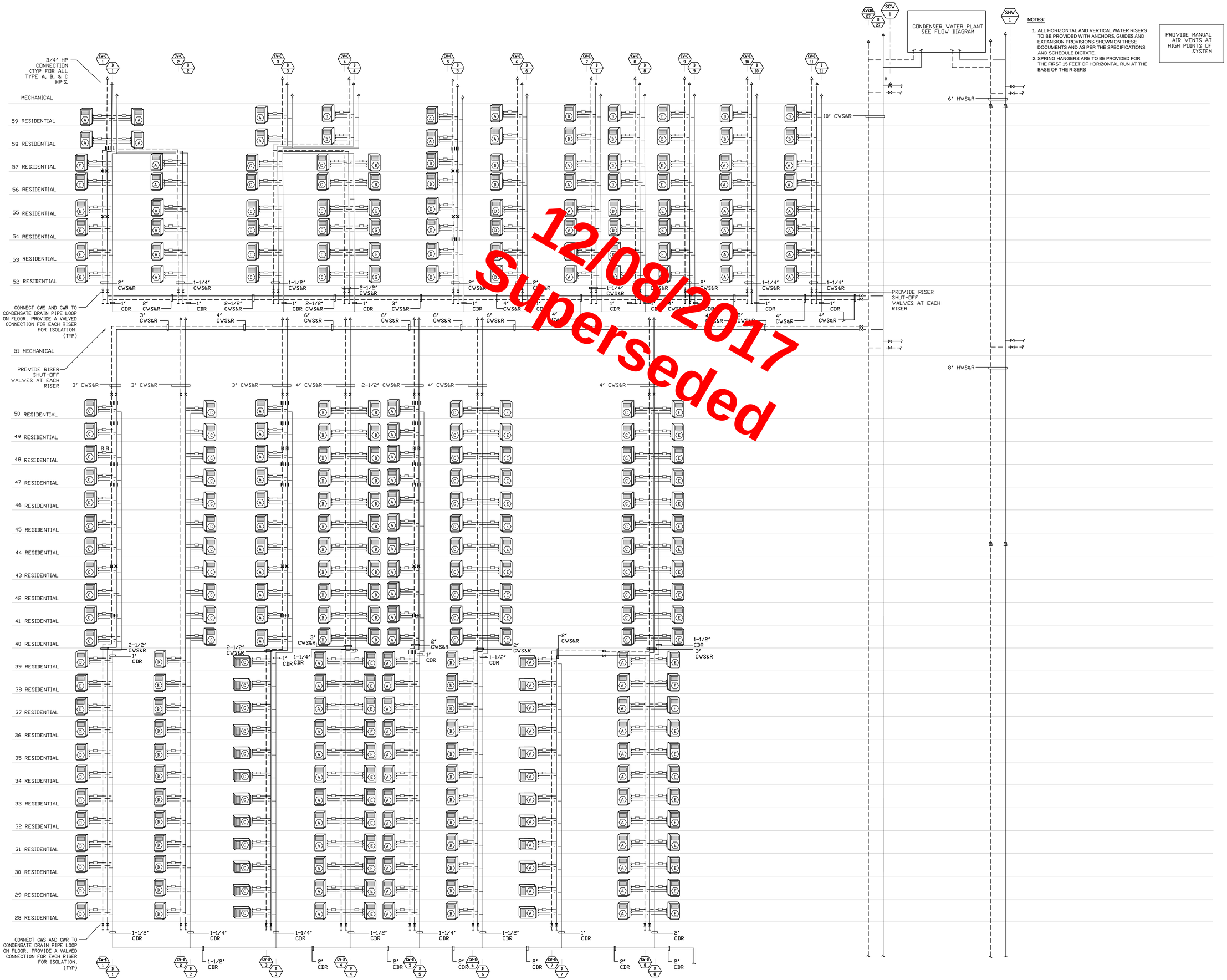
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-162.0
DWG NO.

24 OF 43

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-162.dwg SAVED DN 2/27/2015 5:18 PM PLOTTED DN 3/9/2015 3:10 PM PLOTTED BY ISRAEL, YOUSSEF

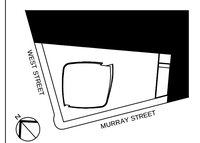
DEPT OF BLDGS 321321.10 Job Number
ES1149T7595 Scan Code



12/08/2017
Superseded

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-300.dwg SAVED DN 2/27/2015 5:18 PM PLOTTED DN 3/9/2015 3:11 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
MICHAEL W. MARSH
APPROVED
NYC DEPARTMENT OF BUILDINGS
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
WATER RISER DIAGRAM
1-2

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: NTS

M-300.00
DWG NO.

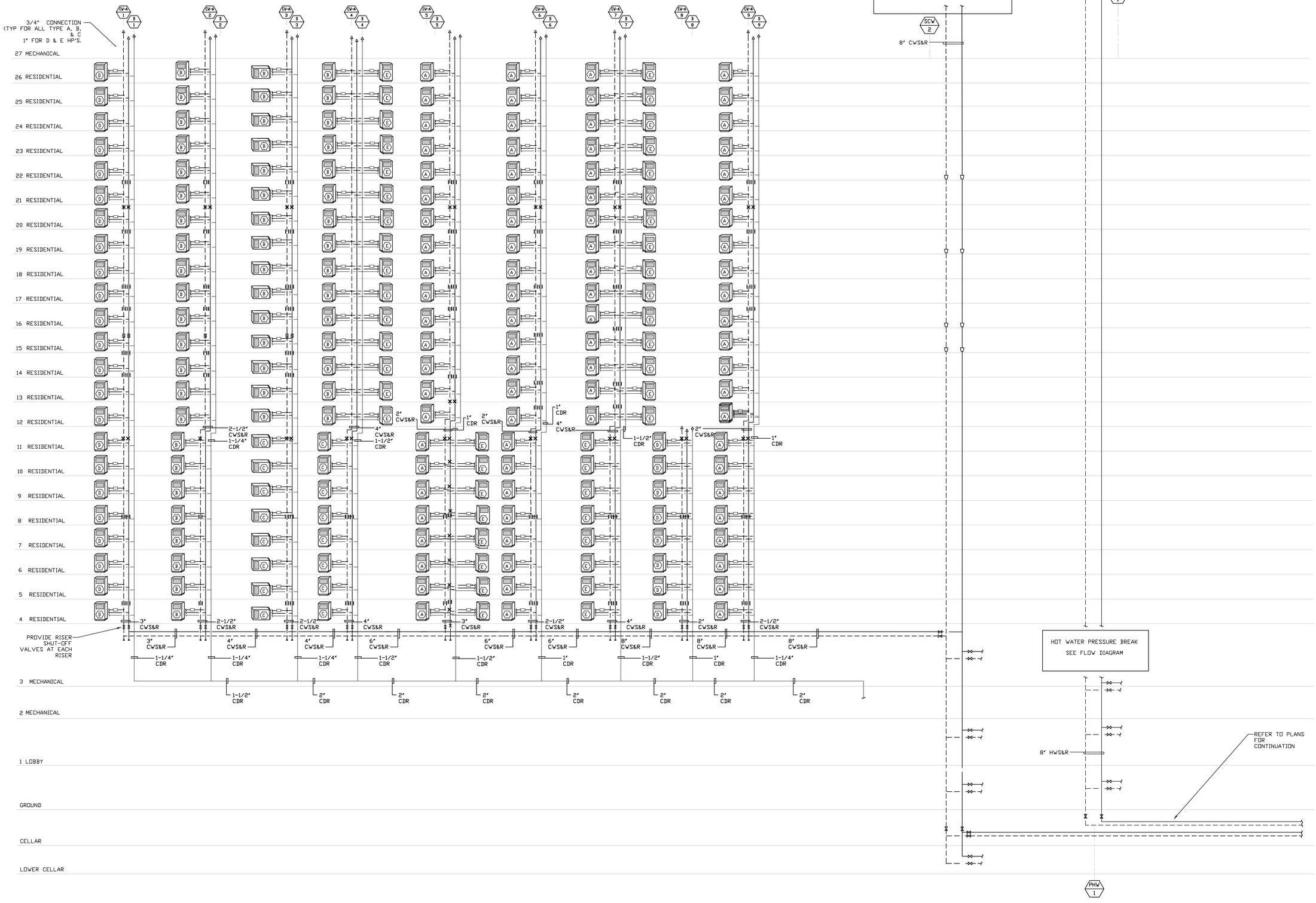
25 OF 43

DEPT OF BLDGS 121313210 Job Number
B2023942426 Scan Code

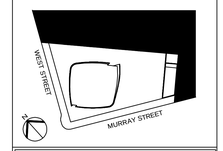
NOTES:

1. ALL HORIZONTAL AND VERTICAL WATER RISERS TO BE PROVIDED WITH ANCHORS, GUIDES AND EXPANSION PROVISIONS SHOWN ON THESE DOCUMENTS AND AS PER THE SPECIFICATIONS AND SCHEDULE DICTATE.
2. SPRING HANGERS ARE TO BE PROVIDED FOR THE FIRST 15 FEET OF HORIZONTAL RUN AT THE BASE OF THE RISERS

PROVIDE MANUAL AIR VENTS AT HIGH POINTS OF SYSTEM



KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0334 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MATHEWS
Approved
NYC DEPARTMENT OF BUILDINGS
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
WATER RISER DIAGRAM
2-2

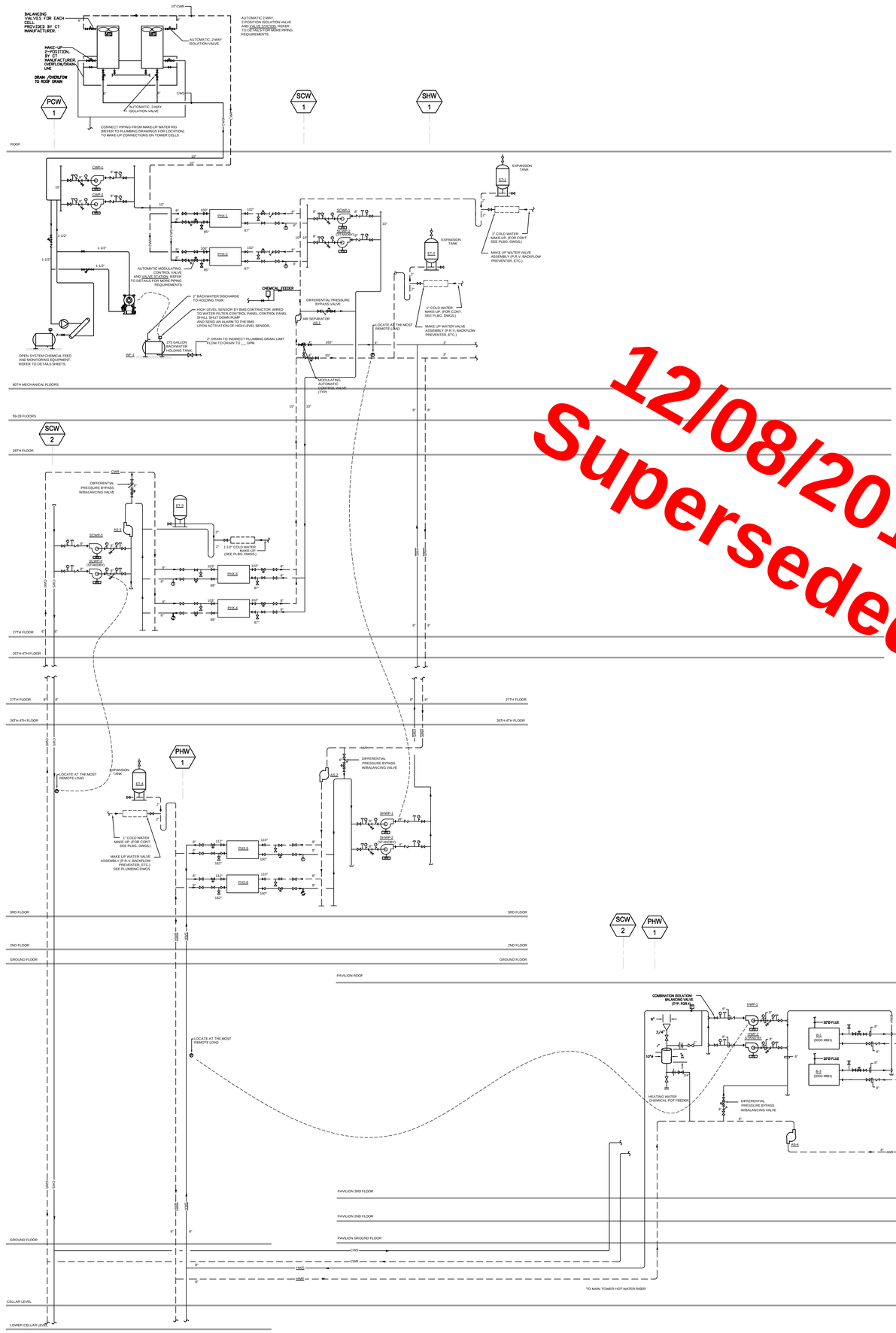
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: NTS
M-301.00
DWG NO.

26 OF 43

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-301.dwg SAVED ON 2/27/2015 5:18 PM PLOTTED ON 3/9/2015 3:11 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 421323310 Job Number
ES1950020020 Scan Code

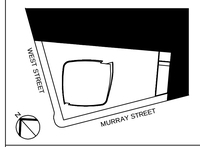


LEGEND

- BTU TRANSMITTER
- DIFFERENTIAL PRESSURE TRANSMITTER
- VARIABLE FLOW DRIVE
- PUMP
- CONTROL VALVE
- BUTTERFLY VALVE
- GATE VALVE
- CHECK VALVE
- STRAINER
- BALANCING VALVE
- AIR VENT
- PRESSURE GAUGE
- THERMOMETER
- EXPANSION TANK
- AIR SEPARATOR
- PRESSURE INDICATOR TRANSMITTER
- TEMPERATURE INDICATOR TRANSMITTER
- MAG FLOW METER

12/08/2017 Superseded

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
MICHAEL W. MANGINI
APPROVED
Under Directive 14 of the City Construction Code
NYC Buildings Department
PROFESSIONAL ENGR

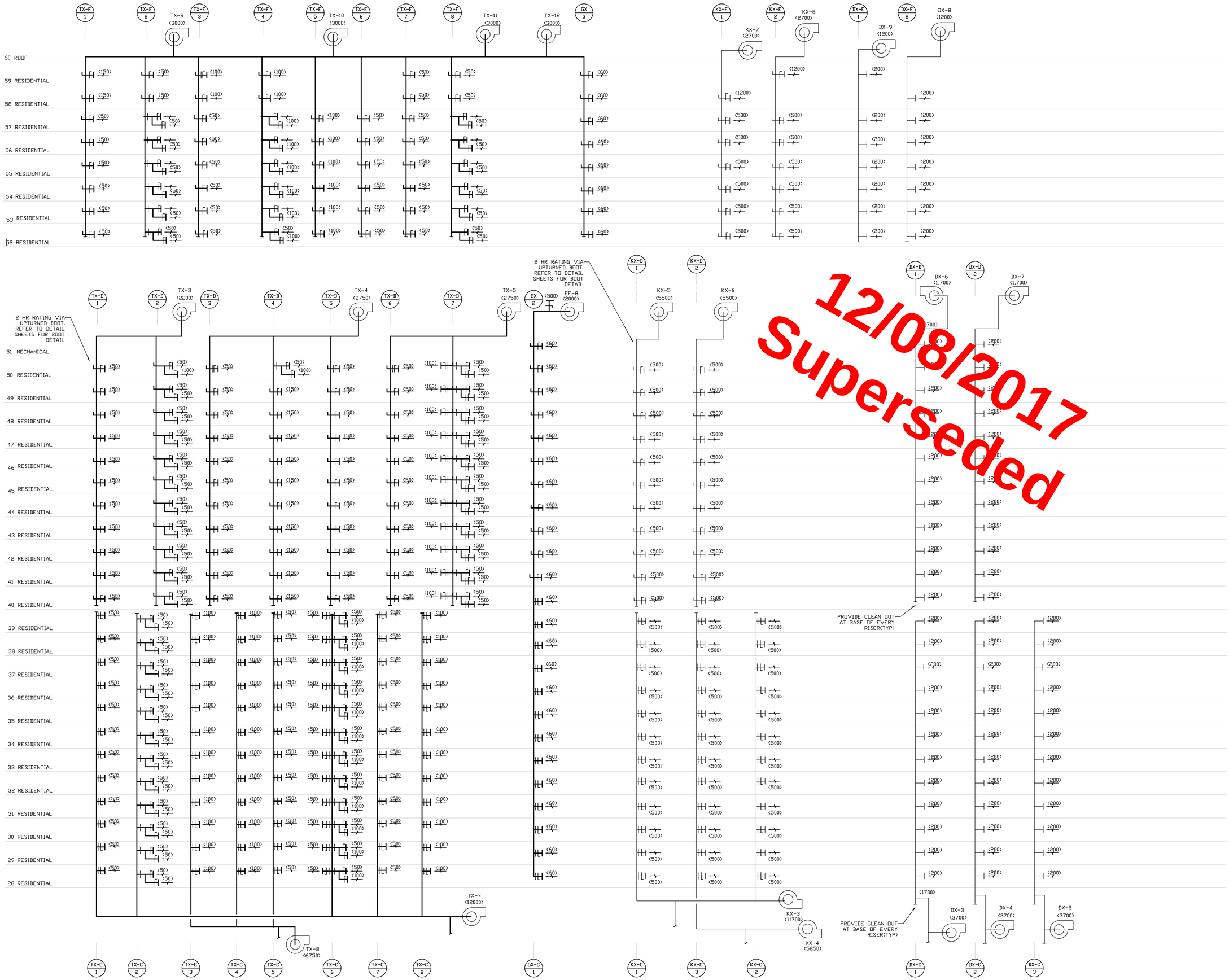
DWG TITLE:
MECHANICAL
WATER FLOW DIAGRAM

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 1400006
SCALE: NTS
M-302.00
DWG NO.
27 OF 43

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-302.dwg SAVED DN 2/27/2015 5:17 PM PLOTTED DN 3/9/2015 3:12 PM PLOTTED BY ISRAEL, YOUSSEF

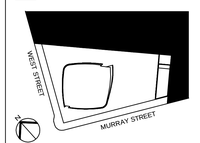
DEPT OF BLDGS 321323.10 Job Number
E-Submit 780885 Scan Code



12/08/2017 superseded

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-303.dwg SAVED ON 2/27/2015 5:17 PM PLOTTED ON 3/9/2015 3:12 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
MICHAEL W. MURPHY
049157
LICENSED PROFESSIONAL ENGINEER
NYC Department of Buildings
PROFESSIONAL CERT

DWG TITLE:
MECHANICAL
EXHAUST RISER DIAGRAM
1-2

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: NTS

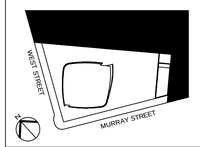
M-303.00
DWG NO.

28 OF 43

DEPT OF BLDGS 320133310 Job Number
E350743806706 Scan Code

12/08/2017 Superseded

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:

DWG TITLE:
MECHANICAL
EXHAUST RISER
DIAGRAM 2-2

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: NTS
M-304.00
DWG NO.
29 OF 43

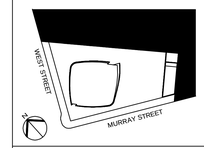
FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-304.dwg SAVED ON 2/27/2015 5:17 PM PLOTTED ON 3/9/2015 3:13 PM PLOTTED BY ISRAEL YOUSSEF

DEPT OF BLDGS 421323.10 Job Number
E360023231137 Scan Code

12/08/2017
Superseded

FILE NAME I:\140006 - 101 Murray\1Issued\15-03-09 DDB\Mech\140006 - M-305.dwg SAVED ON 2/27/2015 5:17 PM PLOTTED ON 3/9/2015 3:13 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

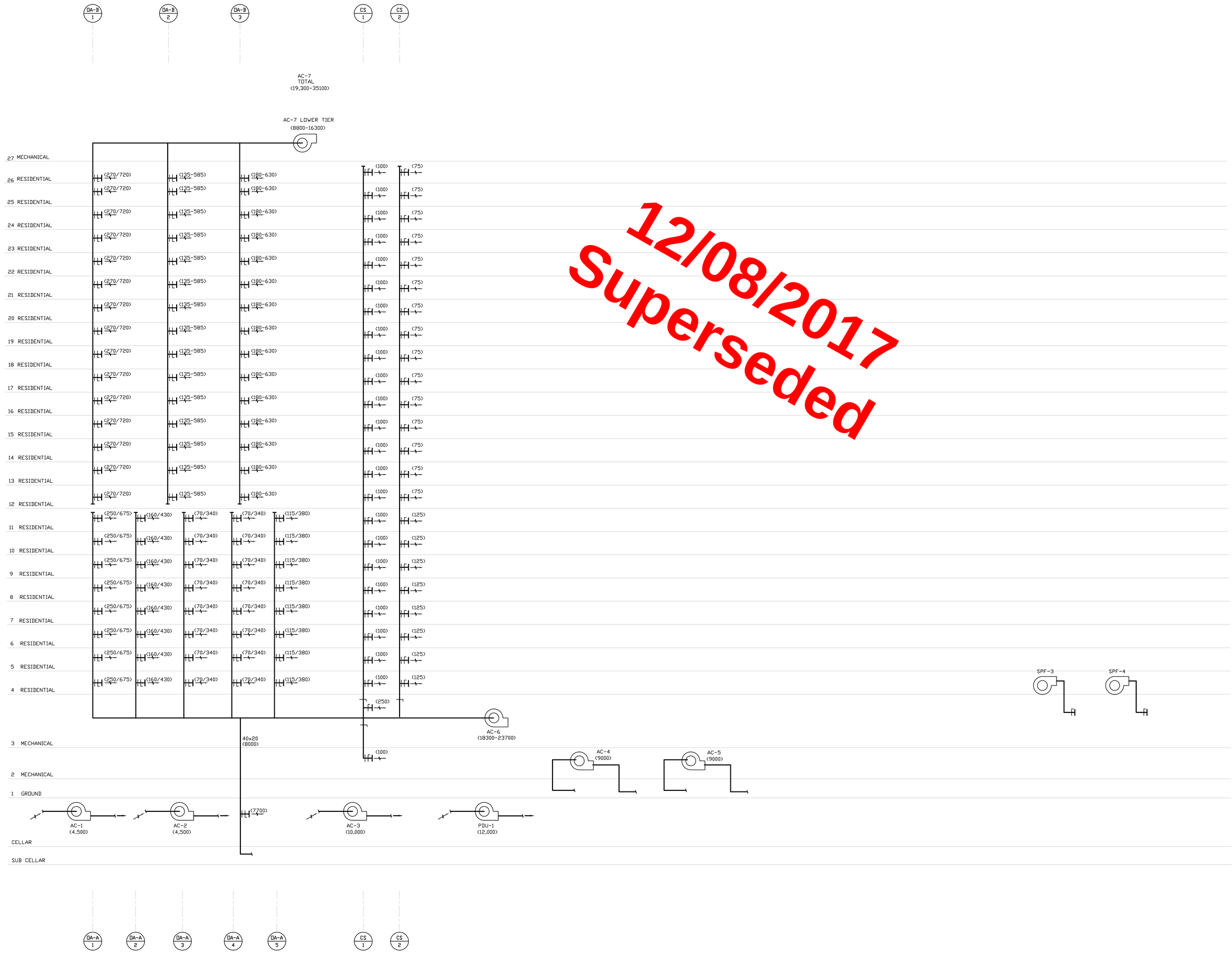
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
ISRAEL W. MAYSHA
Notary Public
APPROVED
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL CERTIFICATION

DWG TITLE:
MECHANICAL
OUTSIDE AIR RISER
DIAGRAM 1-2

SEAL & SIGNATURE:

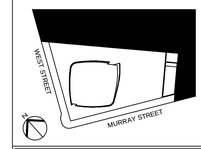
DATE: 09/15/14
PROJECT #: 140006
SCALE: NTS
M-305.00
DWG NO.

DEPT OF BLDGS 421323.10 Job Number
E-SUBMISSION Scan Code



12/08/2017
Superseded

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
JOSEPH W. MARSHALL
APPROVED
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGINEER

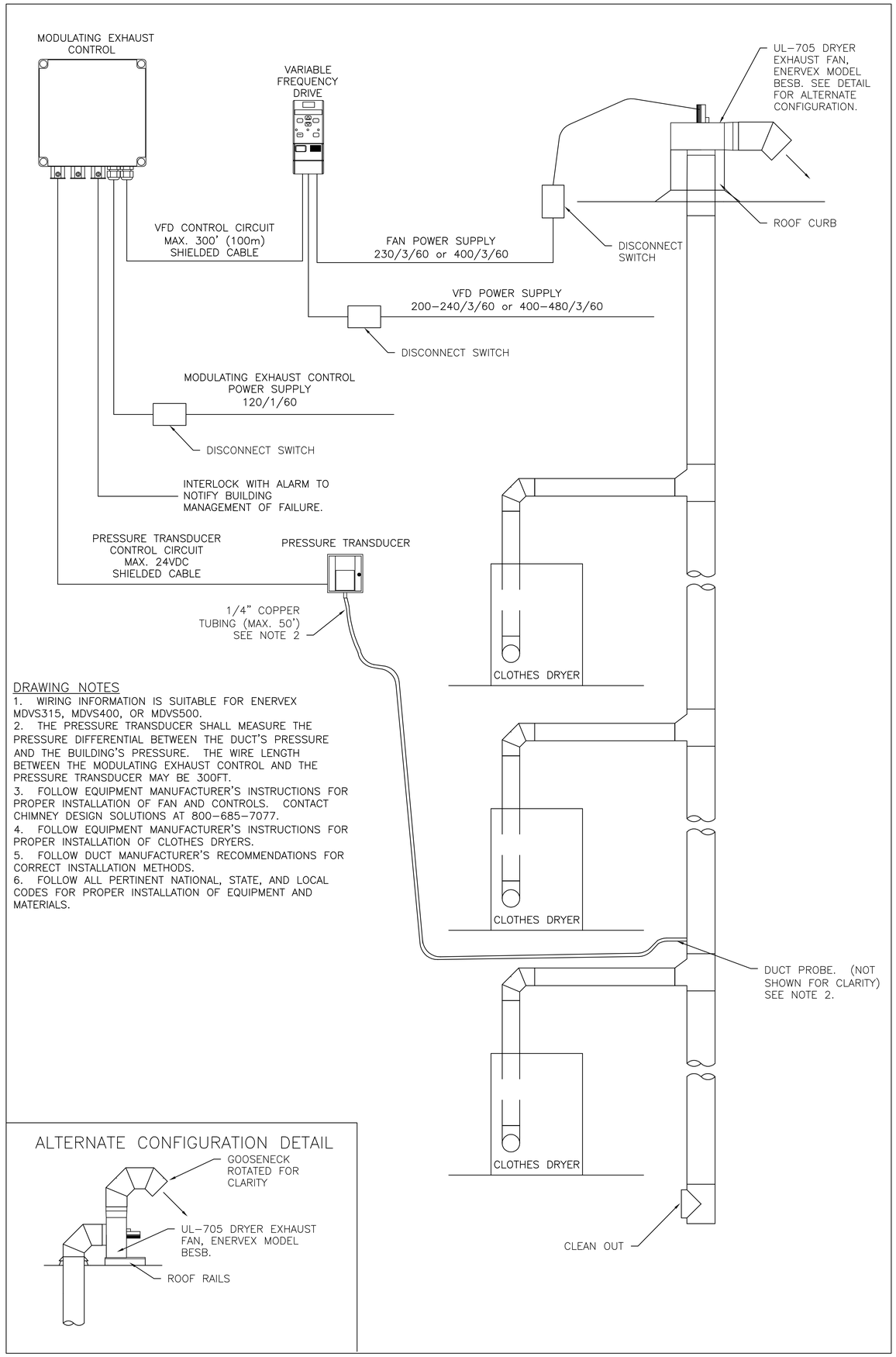
DWG TITLE:
MECHANICAL
OUTSIDE AIR RISER
DIAGRAM 2-2

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: NTS
M-306.00
DWG NO.
31 OF 43

FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-306.dwg SAVED ON 2/27/2015 5:17 PM PLOTTED ON 3/9/2015 3:13 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 421332310 Job Number
E50047555DA Scan Code

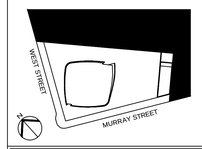


DRAWING NOTES

1. WIRING INFORMATION IS SUITABLE FOR ENERVEX MDVS315, MDVS400, OR MDVS500.
2. THE PRESSURE TRANSDUCER SHALL MEASURE THE PRESSURE DIFFERENTIAL BETWEEN THE DUCT'S PRESSURE AND THE BUILDING'S PRESSURE. THE WIRE LENGTH BETWEEN THE MODULATING EXHAUST CONTROL AND THE PRESSURE TRANSDUCER MAY BE 300FT.
3. FOLLOW EQUIPMENT MANUFACTURER'S INSTRUCTIONS FOR PROPER INSTALLATION OF FAN AND CONTROLS. CONTACT CHIMNEY DESIGN SOLUTIONS AT 800–685–7077.
4. FOLLOW EQUIPMENT MANUFACTURER'S INSTRUCTIONS FOR PROPER INSTALLATION OF CLOTHES DRYERS.
5. FOLLOW DUCT MANUFACTURER'S RECOMMENDATIONS FOR CORRECT INSTALLATION METHODS.
6. FOLLOW ALL PERTINENT NATIONAL, STATE, AND LOCAL CODES FOR PROPER INSTALLATION OF EQUIPMENT AND MATERIALS.

ALTERNATE CONFIGURATION DETAIL

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:

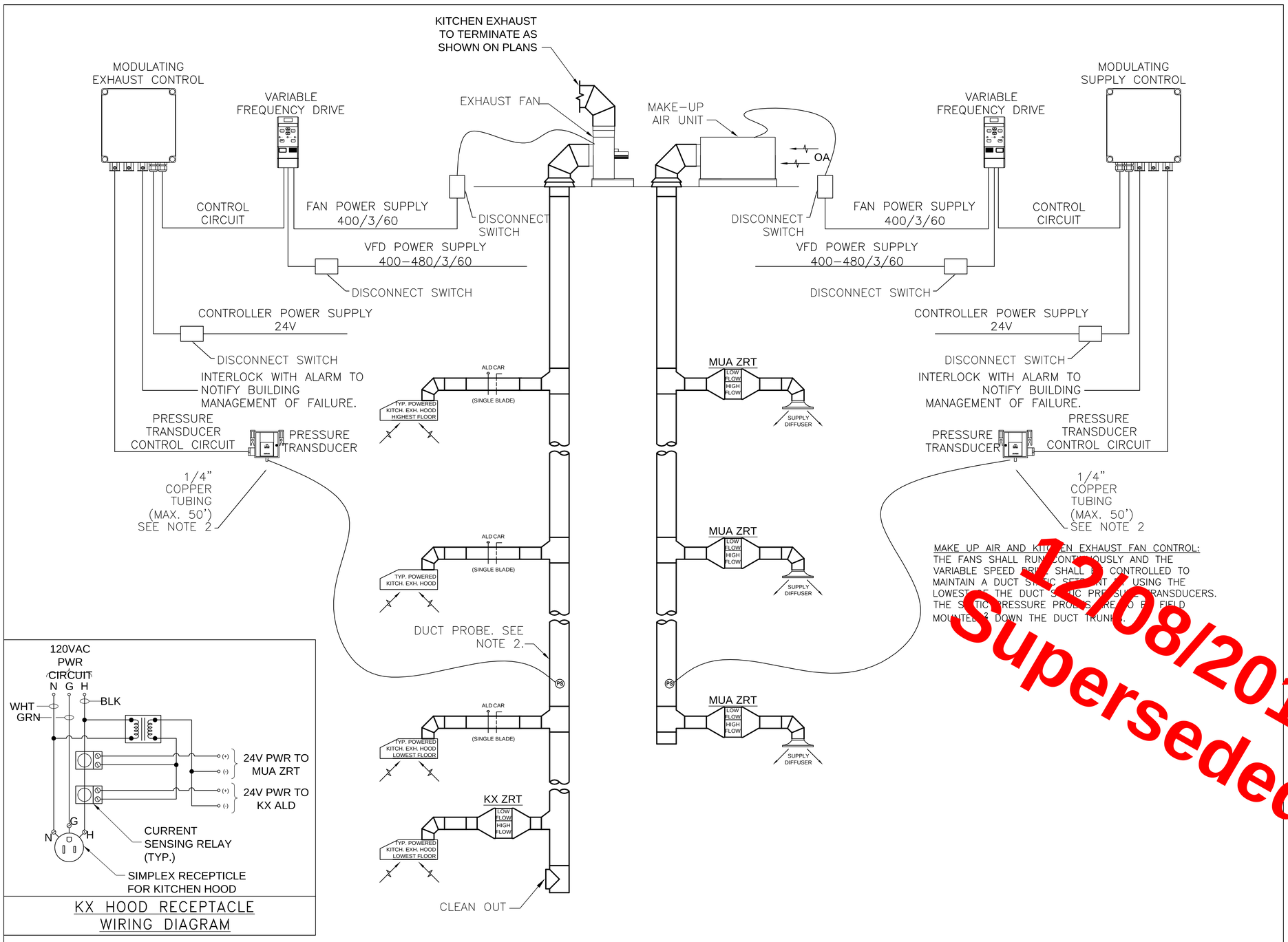
DWG TITLE:
MECHANICAL
DRYER EXHAUST FLOW DIAGRAM

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-307.0
DWG NO.

FILE NAME I:\140006 - 101 Murray\1Issued\15-03-09 DDB\Mech\140006 - M-307.dwg SAVED ON 2/27/2015 5:21 PM PLOTTED ON 3/9/2015 3:14 PM PLOTTED BY ISRAEL YOUSSEF

DEPT OF BLDGS 321323.10 Job Number
B3920057.0005 Scan Code



MAKE UP AIR AND KITCHEN EXHAUST FAN CONTROL:
THE FANS SHALL RUN CONTINUOUSLY AND THE VARIABLE SPEED DRIVE SHALL BE CONTROLLED TO MAINTAIN A DUCT STATIC SETPOINT BY USING THE LOWEST OF THE DUCT STATIC PRESSURE TRANSDUCERS. THE STATIC PRESSURE PROBES ARE TO BE FIELD MOUNTED 2/3 DOWN THE DUCT TRUNK.

KX HOOD RECEPTACLE WIRING DIAGRAM

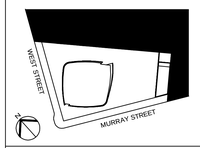
DRAWING NOTES

1. SENSORS SHALL MEASURE THE PRESSURE DIFFERENTIAL BETWEEN THE DUCT'S PRESSURE AND THE BUILDING'S PRESSURE. THE WIRE LENGTH BETWEEN THE CONTROLLER AND THE SENSOR MAY BE 300FT. EACH KITCHEN EXHAUST AND MAKE UP AIR RISER TO BE PROVIDED WITH A SENSOR.
2. FOLLOW EQUIPMENT MANUFACTURER'S INSTRUCTIONS FOR PROPER INSTALLATION OF FAN AND CONTROLS.
3. THE KITCHEN EXHAUST (KX) SHALL CONTAIN A CONSTANT AIR REGULATOR SIZED FOR THE MAXIMUM CFM OF THE HOOD AND AN AUTOMATIC LOUVER DAMPER THAT WILL BE CLOSED UNDER NORMAL OPERATION. THE ALD SHALL OPEN WHEN ENERGIZED BY 24V CONTROL POWER.
4. MAKE-UP-AIR (MUA) ZONE REGISTER TERMINALS (ZRT'S), SHALL CONTAIN A LOW FLOW CAR THAT WILL BE PERMANENTLY OPEN. THE MAXIMUM FLOW CAR SHALL OPEN WHEN ENERGIZED BY 24V CONTROL POWER.
5. UPON ACTIVATION OF THE KX HOOD, THE CURRENT SENSING RELAYS SHALL ENERGIZE THE HIGH-FLOW DAMPERS OF THE MUA ZRT'S AND THE ALD ON THE KX TO THE OPEN POSITION.
6. REFER TO MECHANICAL AIR RISER DIAGRAMS FOR MIN/MAX AIR FLOW SETTINGS.
7. FOLLOW DUCT MANUFACTURER'S RECOMMENDATIONS FOR CORRECT INSTALLATION METHODS.
8. REFER TO MECHANICAL PLANS AND DETAILS FOR LOCATION OF RATED SHAFTS, SUB-DUCT "BOOT" CONNECTIONS, FUSIBLE LINK FIRE DAMPERS, ETC.
9. FOLLOW ALL PERTINENT NATIONAL, STATE, AND LOCAL CODES FOR PROPER INSTALLATION OF EQUIPMENT AND MATERIALS.

VARIABLE RESIDENTIAL KITCHEN EXHAUST HOOD/MAKEUP AIR SYSTEM DETAIL

12/8/2017
Superseded

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DENNIS W. ANDREWS
APPROVED
NYC DEPARTMENT OF BUILDINGS
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
KITCHEN EXHAUST / OUTSIDE AIR FLOW DIAGRAM

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-308.0
DWG NO.

33 OF 43

FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-308.dwg SAVED DN 2/27/2015 5:24 PM PLOTTED DN 3/9/2015 3:14 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 321323 10 Job Number
B3333555555 Scan Code

FAN SCHEDULE

FAN NO.	SERVICE	LOCATION	CFM	STATIC PRESS. IN.W.G.	RPM	OUTLET VELOC. FPM	MANUF.	MODEL NO.	BHP	MOTOR HP	VOLT/PH/HZ			WEIGHT (LBS.)	VIBRATION ISOLATION		VFC	REMARKS	NOTES
											V	PH	CYCLE		SPEC. TYPE	DEFLECTION (INCHES)			
EF-1	TRASH ROOM	CELLAR	500	0.5	1585	500	GREENHECK	QEI-9-II	0.11	1/3	115	1	60 Cycle		TYPE VII	SEE SPEC			
EF-2	MECHANICAL ROOM EXHAUST	CELLAR	3000	0.75	2085	1328	GREENHECK	BSQ-180	1.89	2	460	3	60 Cycle		TYPE VI	SEE SPEC	VFD		
EF-3	LAUNDRY EXHAUST	PAVILLION ROOF	1000	0.75	1720	-	ENERVEX	BESB 250	-	1.5	460	3	60 Cycle		TYPE I	SEE SPEC	VFD	UL705	
EF-4	POOL EXHAUST	CELLAR	6000	1	1770	1459	GREENHECK	QEID-20-95	3.8	5	460	3	60 Cycle		TYPE VI	SEE SPEC	VFD	OUTDOOR CONSTRUCTION.	
EF-5	GENERATOR EXHAUST	GENERATOR ROOM	3000	0.5	1165	557	GREENHECK	BSQ-160	0.69	1	460	3	60 Cycle		TYPE VI	SEE SPEC		PROVIDE THERMOSTAT	
EF-6	MECHANICAL ROOM	2ND FLOOR	6000	1	1770	1459	GREENHECK	QEID-20-95	3.8	5	460	3	60 Cycle		TYPE VI	SEE SPEC	VFD	PROVIDE THERMOSTAT	
EF-7	MECHANICAL ROOM	3RD FLOOR	3000	0.5	1165	557	GREENHECK	BSQ-160	0.69	1	460	3	60 Cycle		TYPE VI	SEE SPEC		PROVIDE THERMOSTAT	
EF-8	TRASH ROOM	51ST FLOOR	2000	1	1165	557	GREENHECK	SQ-160-VG	0.57	1	460	3	60 Cycle		TYPE I	SEE SPEC			
EF-9	GENERAL EXHUAST	CELLAR	500	0.5	1585	500	GREENHECK	QEI-9-II	0.11	1/3	115	1	60 Cycle		TYPE VII	SEE SPEC		PROVIDE THERMOSTAT	
EF-10	MECHANICAL ROOM	27TH FLOOR	3000	0.5	1165	557	GREENHECK	BSQ-160	0.69	1	460	3	60 Cycle		TYPE VI	SEE SPEC		PROVIDE THERMOSTAT	
EF-11	MECHANICAL ROOM	ROOF MER	3000	0.5	1165	557	GREENHECK	BSQ-160	0.69	1	460	3	60 Cycle		TYPE VI	SEE SPEC		PROVIDE THERMOSTAT	
GX-1	SWITCH GEAR EXHAUST	PAVILION	15000	0.5	1770	275	GREENHECK	QEID-24	6.21	10	460	3	60 Cycle		TYPE VI	SEE SPEC		PROVIDE THERMOSTAT	
GX-2	MECHANICAL ROOM	PAVILION	2000	1	1165	557	GREENHECK	SQ-160-VG	0.57	1	460	3	60 Cycle		TYPE I	SEE SPEC		PROVIDE THERMOSTAT	
TX-1	TOILET ROOM EXHAUST	CELLAR	1400	1	1165	100	GREENHECK	SQ-160-VG	0.57	1	460	3	60 Cycle		TYPE VI	SEE SPEC		PROVIDE THERMOSTAT	
TX-2	TOILET ROOM EXHAUST	3RD FLOOR	3600	0.75	1315	766	GREENHECK	SQ-160-VG	1.11	2	460	3	60 Cycle		TYPE VII	SEE SPEC			
TX-3	TOILET ROOM EXHAUST	51ST FLOOR	2200	1	1203	613	GREENHECK	SQ-160-VG	0.65	1	460	3	60 Cycle		TYPE VII	SEE SPEC			
TX-4	TOILET ROOM EXHAUST	51ST FLOOR	2750	1	1315	766	GREENHECK	SQ-160-VG	0.85	2	460	3	60 Cycle		TYPE VII	SEE SPEC			
TX-5	TOILET ROOM EXHAUST	51ST FLOOR	2750	1	1315	766	GREENHECK	SQ-160-VG	0.85	2	460	3	60 Cycle		TYPE VII	SEE SPEC			
TX-6	TOILET ROOM EXHAUST	3RD FLOOR	1000	0.75	1725	581	GREENHECK	SQ-120-VG	0.23	0.5	460	3	60 Cycle		TYPE VII	SEE SPEC			
TX-7	TOILET ROOM EXHAUST	27TH FLOOR	12000	1	1593	698	GREENHECK	QEID-22-80	5.5	7.5	460	3	60 Cycle		TYPE VI	SEE SPEC			
TX-8	TOILET ROOM EXHAUST	27TH FLOOR	6750	1	1853	1800	GREENHECK	QEID-18-90	2.59	3	460	3	60 Cycle		TYPE VI	SEE SPEC			
TX-9	TOILET ROOM EXHAUST	ROOF MER	3000	0.75	1315	766	GREENHECK	SQ-160-VG	0.78	1	460	3	60 Cycle		TYPE VII	SEE SPEC	VFD		
TX-10	TOILET ROOM EXHAUST	ROOF MER	3000	0.75	1315	766	GREENHECK	SQ-160-VG	0.78	1	460	3	60 Cycle		TYPE VII	SEE SPEC	VFD		
TX-11	TOILET ROOM EXHAUST	ROOF MER	3000	0.75	1315	766	GREENHECK	SQ-160-VG	0.78	1	460	3	60 Cycle		TYPE VII	SEE SPEC	VFD		
TX-12	TOILET ROOM EXHAUST	ROOF MER	3000	0.75	1315	766	GREENHECK	SQ-160-VG	0.78	1	460	3	60 Cycle		TYPE VII	SEE SPEC	VFD		
KX-1	KITCHEN EXHAUST	3RD FLOOR	2950	0.75	1315	766	GREENHECK	SQ-160-VG	0.78	1	460	3	60 Cycle		TYPE VII	SEE SPEC	VFD		
KX-2	KITCHEN EXHAUST	3RD FLOOR	1500	1	1110	418	GREENHECK	SQ-130-VG	0.4	3/4	460	3	60 Cycle		TYPE VI	SEE SPEC	VFD		
KX-3	KITCHEN EXHAUST	27TH FLOOR	11700	1	1593	698	GREENHECK	QEID-22-80	5.5	7.5	460	3	60 Cycle		TYPE VI	SEE SPEC	VFD		
KX-4	KITCHEN EXHAUST	27TH FLOOR	5850	1	1770	1459	GREENHECK	QEID-20-95	3.8	5	460	3	60 Cycle		TYPE VI	SEE SPEC	VFD		
KX-5	KITCHEN EXHAUST	51ST FLOOR	5500	1	821	656	GREENHECK	BSQ-240-20	1.6	2	460	3	60 Cycle		TYPE VI	SEE SPEC	VFD		
KX-6	KITCHEN EXHAUST	51ST FLOOR	5500	1	821	656	GREENHECK	BSQ-240-20	1.6	2	460	3	60 Cycle		TYPE VI	SEE SPEC	VFD		
KX-7	KITCHEN EXHAUST	ROOF MER	2700	0.75	1315	766	GREENHECK	SQ-160-VG	0.78	1	460	3	60 Cycle		TYPE VII	SEE SPEC	VFD		
KX-8	KITCHEN EXHAUST	ROOF MER	2700	0.75	1315	766	GREENHECK	SQ-160-VG	0.78	1	460	3	60 Cycle		TYPE VII	SEE SPEC	VFD		
DX-1	DRYER EXHAUST	3RD FLOOR	2600	1	1720	-	ENERVEX	BESB 500	-	3	460	3	60 Cycle		TYPE I	SEE SPEC	VFD	UL705	
DX-2	DRYER EXHAUST	3RD FLOOR	3900	1	1720	-	ENERVEX	BESB 500	-	3	460	3	60 Cycle		TYPE I	SEE SPEC	VFD	UL705	
DX-3	DRYER EXHAUST	27TH FLOOR	3700	1	1720	-	ENERVEX	BESB 500	-	3	460	3	60 Cycle		TYPE I	SEE SPEC	VFD	UL705	
DX-4	DRYER EXHAUST	27TH FLOOR	3700	1	1720	-	ENERVEX	BESB 500	-	3	460	3	60 Cycle		TYPE I	SEE SPEC	VFD	UL705	
DX-5	DRYER EXHAUST	27TH FLOOR	3700	1	1720	-	ENERVEX	BESB 500	-	3	460	3	60 Cycle		TYPE I	SEE SPEC	VFD	UL705	
DX-6	DRYER EXHAUST	51ST FLOOR	1700	0.75	1720	-	ENERVEX	BESB 500	-	3	460	3	60 Cycle		TYPE I	SEE SPEC	VFD	UL705	
DX-7	DRYER EXHAUST	51ST FLOOR	1700	0.75	1720	-	ENERVEX	BESB 500	-	3	460	3	60 Cycle		TYPE I	SEE SPEC	VFD	UL705	
DX-8	DRYER EXHAUST	ROOF MER	1200	0.5	1720	-	ENERVEX	BESB 500	-	3	460	3	60 Cycle		TYPE I	SEE SPEC	VFD	UL705	
DX-9	DRYER EXHAUST	ROOF MER	1200	0.5	1720	-	ENERVEX	BESB 500	-	3	460	3	60 Cycle		TYPE I	SEE SPEC	VFD	UL705	
RF-4	LOBBY RETURN FAN	2ND FLOOR	9000	0.5	1082	1073	GREENHECK	SFB-22	3.89	5	460	3	60 Cycle		TYPE VI	SEE SPEC	VFD	AC-4	
RF-5	AMENITIES RETURN FAN	2ND FLOOR	9000	0.5	1082	1073	GREENHECK	SFB-22	3.89	5	460	3	60 Cycle		TYPE VI	SEE SPEC	VFD	AC-5	
SPF-1	STAIR PURGE FAN	STAIR WELL	40,000	0.5			HOWDEN	140JMTRI/40/8/6	16	20	460	3	60 Cycle		TYPE I	SEE SPEC	VFD		
SPF-2	STAIR PURGE FAN	STAIR WELL	40,000	0.5			HOWDEN	140JMTRI/40/8/6	16	20	460	3	60 Cycle		TYPE I	SEE SPEC	VFD		
SPF-3	STAIR PURGE FAN	STAIR WELL	4,000	0.75	1,122	1,159	GREENHECK	QEI-18-L	0.8	1	460	3	60 Cycle		TYPE I	SEE SPEC	VFD		
SPF-4	STAIR PURGE FAN	STAIR WELL	4,000	0.75	1,122	1,159	GREENHECK	QEI-18-L	0.8	1	460	3	60 Cycle		TYPE I	SEE SPEC	VFD		

1. PROVIDE DISCONNECT SWITCH
2. FAN, MOTOR & SUPPORTS TO BE TREATED FOR EXPOSURE TO THE OUTSIDE, WHEN EQUIPMENT IS OUTSIDE.
3. ALL FANS USED FOR PRESSRUZATIONS/SMOKE CONTROL SHALL BE LISTED BY UNDERWRITERS LABORATORIES (UL) FOR THE US AND CANADA
4. ALL FANS SHALL BE PROVIDED WITH LINED DISCHARGE PLENUMS.
5. SEE DRYER EXHAUST FLOW DIAGRAM FOR CONTROLS AND INTEGRATION.

HEATING AND VENTILATING UNIT SCHEDULE

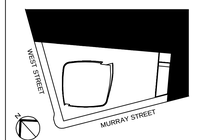
UNIT NO.	AREA SERVED	LOCATION	FAN DATA						ELECTRICAL DATA			HEATING COIL				FILTER DATA					MODEL NO.	UNIT WEIGHT (LBS.)	(AS STANDARD)		
			CFM	EXT. S.P. (IN.W.C.)	TOTAL S.P. (IN.W.C.)	RPM	BHP	HP	MOTOR AMPS	UNIT AMPS	V/PH/HZ	ENT. AIR DB (F)	LVG. AIR DB (F)	GPM 160F-110F	TOTAL KW	PRE-FILTER TYPE	PRE-FILTER EFFICIENCY	FINAL FILTER TYPE	FINAL FILTER EFFICIENCY	NO./SIZE EACH FILTER			VIBRATION ISOLATION SPEC. TYPE	MINIMUM STATIC DEFLECTION (IN.)	REMARKS
HV-1	ENTRANCE LOBBY	LOBBY CEILING	2,000	0.75	1.1	3,141	1.57	3	3.4	3.4	460/3/60	0	80	4.5		2" THROWAWAY	MERV 8	N/A	MERV 13			400	VII	1.0	

1. PROVIDE DUCT THERMOSTAT.
2. PROVIDE DISCONNECT SWITCH

ELECTRIC RADIANT HEAT

SYMBOL	LOCATION	MODEL NO.	MATT TYPE	SQUARE FOOTAGE	ELECTRICAL DATA (V/PH/HZ)	THERMOSTAT	REMARKS
RH	RESIDENTIAL BATHROOMS VARIES	NU HEAT	CUSTOM FULL COVERAGE MAT	VARIES SEE FLOOR PLANS	208/1/60	HOME	

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MARSHALL
APPROVED
Borough Commissioner
Manhattan
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
SCHEDULE - 1-3

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: NTS
M-400.00
DWG NO.

FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-400.dwg SAVED ON 2/27/2015 5:24 PM PLOTTED ON 3/9/2015 3:15 PM PLOTTED BY ISRAEL YOUSSEF

DEPT OF BLDGS 321131210 Job Number
E500053929 19 Scan Code

SELF CONTAINED AIR CONDITIONING UNIT SCHEDULE

TAG	LOCATION	SERVICE	SYSTEM TYPE	Supply Fan: Airflow (CFM)	Supply Fan: MIN CFM	Supply Fan: Fan Type	Supply Fan: ESP (inH2O)	Supply Fan: TSP (inH2O)	Supply Fan: Fan Power	Supply Fan: Motor Size (HP)	EVAPORATOR: O.A. (CFM)	EVAPORATOR: EAT DB (°F)	EVAPORATOR: EAT WB (°F)	EVAPORATOR: LAT DB (°F)	EVAPORATOR: LAT WB (°F)	EVAPORATOR: Total Capacity (MBH)	EVAPORATOR: Sensible Capacity (MBH)	EVAPORATOR: Evap Coil FPI/Rows	EVAPORATOR: Evap Coil Area (ft²)	Condenser: EWT (°F)	Condenser: LWT (°F)	Condenser: Fluid Flow (gpm)	Condenser: Water Drop (ft H2O)	Compressor: Power (kW)	Compressor: EER	Compressor: Ref. Type	WARP AROUND HEAT PIPE: EAT DB/WB (°F)	WARP AROUND HEAT PIPE: LAT DB/WB (°F)	WARP AROUND HEAT PIPE: Sensible Capacity (MBH)	HOT GAS REHEAT: EAT DB/WB (°F)	HOT GAS REHEAT: Sensible Capacity (MBH)	HOT GAS REHEAT: LAT DB/WB (°F)	Heating: EAT DB (°F)	Heating: LAT DB (°F)	Heating: Total Capacity (MBH)	Heating: EWT (°F)	Heating: LWT (°F)	Heating: Fluid Flow (gpm)	Heating: Water Drop (ft H2O)	Electrical: Voltage	Electrical: MCA (A)	Electrical: FLA	Electrical: MOD (A)	Filters: Filter Area (ft²)	Filters: Efficiency	Make / Model	REMARKS
AC-1	CELLAR	FITNESS CENTER	CV	4,500		SWSI	1				-	81.50	67.00	53.80	53.80					88	103				13.90	R410A				51/51		70/60											MERV 8 / MERV 14		HEAT PUMP
AC-2	CELLAR	PLAY ROOM	CV	4,500		SWSI	1				-	81.50	67.00	53.80	53.80					88	103				13.90	R410A				51/51		70/60											MERV 8 / MERV 14		HEAT PUMP
AC-3	CELLAR	SPA	VAV	10,000		SWSI	2.5				-	81.50	67.00	53.80	53.80					88	103				14	R410A				51/51		70/60											MERV 8 / MERV 14		HEAT PUMP
AC-4	1ST MEZZ	LOBBY UNIT	VAV	9,600		SWSI	1.5				5,000	95	75	55	55					88	103				11.1	R410A				51/51		70/60	35	100		160	110			460/3/60					MERV 8 / MERV 14		DX/ W/HOT WATER
AC-5	1ST MEZZ	AMENITIES	VAV	9,000		SWSI	2.5				3,000	81.50	67.00	53.80	53.80					88	103				12.2	R410A				51/51		70/60	50	100		160	110			460/3/60					MERV 8 / MERV 14		DX/ W/HOT WATER
AC-6	3RD FLOOR	MAKEUP AIR/ CORRDIOR SUPPLY	VAV	25,000	18,000	SWSI	2.5				25,000	81.50	67.00	54.00	54.00					88	103				15.00	R410A	95/75	75/69		51/51	70/60			0	80		160	110			460/3/60					MERV 8 / MERV 14		DX/ W/HOT WATER
AC-7	27TH FLOOR	MAKEUP AIR/ CORRDIOR SUPPLY	VAV	35,100	19,000	SWSI	2.5				35,100	95	75	54.00	54.00					87	102				14.80	R410A	95/75	75/69		51/51	70/60			0	80		160	110			460/3/60					MERV 8 / MERV 14		DX/ W/HOT WATER
AC-8	50TH FLOOR	MAKEUP AIR/ CORRDIOR SUPPLY	VAV	22,000	14,000	SWSI	2.5				22,000	95.00	75.00	54.00	54.00					87	102				15.70	R410A	95/75	75/69		51/51	70/60			0	80		160	110			460/3/60					MERV 8 / MERV 14		DX/ W/HOT WATER

1. PROVIDE UNIT MOUNTED DISCONNECT SWITCH
2. ALL UNITS SHALL BE INSTALLED ON A 6" HIGH CONCRETE PAD. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
3. ALL AC UNITS TO BE PROVIDED WITH FACTORY MOUNTED VFCS.
4. ALL UNITS SHALL BE INTERNAL ISOLATED, ALL FAN AND MOTOR ASSEMBLES TO HAVE A MINIMUM OF 2" STATIC DEFLECTION SPRINGS.
5. ALL UNITS PROVIDE WITH OA TO BE PROVIDED WITH FREEZE STATS, PROTECTION PUMPS ON ALL WATER CONFECTIONS.
6. AC-1->5 TO HAVE HOT GAS REHEAT
7. ALL UNITS TO HAVE DIGITAL SCROLL COMPRESSORS ON FIRST STAGE OF COOLING.

LINEAR DIFFUSER SCHEDULE

TAG	LOCATION	MODEL NO.	MAX CFM PER FT OF ACTIVE LENGTH	ACTIVE LENGTH	NO. OF SLOTS	SLOT WIDTH (IN.)	MAXIMUM STATIC PRESSURE (IN. W.C.)	MAXIMUM DIFFUSER NC	FRAME & BORDER	THROW	SIZE OF DUCT CONNECTION TO PLENUM (IN.)	REMARKS
LD-A	VARIES	TITUS FL-10 HT	40	SEE PLANS	1	1	0.072	16	SEE ARCH DETAIL	9-13-18	SEE PLANS	
LD-B	VARIES	TITUS FL-10 JT	60	SEE PLANS	1	1	0.072	16	SEE ARCH DETAIL	7-10-19	SEE PLANS	
LD-C	VARIES	TITUS FL-20 HT	60	SEE PLANS	1	2	0.082	16	SEE ARCH DETAIL	11-16-22	SEE PLANS	
LD-D	VARIES	TITUS FL-30 HT	120	SEE PLANS	1	3	0.177	27	SEE ARCH DETAIL	18-22-32	SEE PLANS	
LD-E	VARIES	TITUS FL-30 HT	200	SEE PLANS	2	3	0.15	25	SEE ARCH DETAIL	24-30-42	SEE PLANS	
LR-A	VARIES	TITUS FL- JT - RETURN	60	SEE PLANS	1	1		20	SEE ARCH DETAIL		SEE PLANS	
LR-B	VARIES	TITUS FL- JT - RETURN	115	SEE PLANS	1	2		20	SEE ARCH DETAIL		SEE PLANS	
LR-C	VARIES	TITUS FL- JT - RETURN	180	SEE PLANS	1	3		20	SEE ARCH DETAIL		SEE PLANS	
LR-D	VARIES	TITUS FL- JT - RETURN	360	SEE PLANS	2	3		20	SEE ARCH DETAIL		SEE PLANS	
PS-A	VARIES	TITUS TBDI-15-FB	128	SEE PLANS	1	1.5	0.039	17	SEE ARCH DETAIL	4-9-18	SEE PLANS	

NOTES:
1. THROW VALUES GIVEN ARE FOR TERMINAL VELOCITIES OF 150,100 AND 50 FPM.
2. ALL BORDER TYPES AND FINISHES TO BE SPECIFIED AND VERIFIED BY THE ARCHITECT.
3. ALL PLENUMS TO BE FACTORY ASSEMBLED AND EQUIPPED WITH 1" ACOUSTICAL LINING.
4. PROVIDE LIGHT SHIELD FOR ALL LOCATIONS WHERE DIFFUSERS ARE USED FOR RETURN.
5. ALL CONNECTIONS TO PLENUMS TO BE PROVIDE WITH CORD OPERATED DAMPERS.
6. NC VALUES BASED ON OCTAVE BAND 2 TO 7 SOUND POWER LEVELS MINUS ROOM ABSORPTION OF 10 DB.
7. ALL DIFFUSERS USED IN BATHROOMS TO BE OUT OF ALUMINUM.

AIR OUTLET & INLET SCHEDULE

DESIGNATION	SERVICE	SPEC. TYPE	SIZE IN INCHES: FACE	SIZE IN INCHES: NECK/ NOM. DUCT SIZE	SIZE IN INCHES: BAR WIDTH	SIZE IN INCHES: OPENING WIDTH	MAX CFM	TOTAL PRESSURE (IN. W.C.)	THROW (FT)	MAX NC	MODEL NUMBER	MANUFACTURER	REMARKS
EG-A	BATHROOM EXHAUST	EGG CRATE GRILLE	6X6		N/A	1/2"	150	0	N/A	30	355-FL	TITUS	
[illegible]	VARIOUS	SUPPLY	[illegible]	8"	N/A	N/A	200	0.153	4-6-11	15	OMNI	TITUS	
CR-A	VARIOUS	RETURN	[illegible]12	8"	N/A	N/A	200				OMNI	TITUS	
[illegible]-B	VARIOUS	SUPPLY	24X24		N/A	N/A	550	0.115	6-9-16	18	OMNI	TITUS	
C[illegible]	VARIOUS	RETURN	24X24		N/A	N/A	650				OMNI	TITUS	
LG-A	VARIOUS	SUPPLY	[illegible]		1/4"	N/A	700	0.056	13-19-36	20	CT-540	TITUS	MODEL # 7 DIRECTIONAL BLADES
LG-B	VARIOUS	SUPPLY	36"X5"		1/4"	N/A	470	0.056	14-22-36	20	CT-540	TITUS	MODEL # 7 DIRECTIONAL BLADES
LG-C	VARIOUS	SUPPLY	[illegible]		1/4"	N/A	400	0.056	14-22-36	20	CT-540	TITUS	MODEL # 7 DIRECTIONAL BLADES
LG-D	VARIOUS	SUPPLY	24"X5"		1/4"	N/A	300	0.056	11-17-32	20	CT-540	TITUS	MODEL # 7 DIRECTIONAL BLADES
RG-A	VARIOUS	[illegible]	[illegible]	5"		N/A	[illegible]40 CFM/PER FT	0.056			CT-540	TITUS	WITH LIGHT SHIELD SEE PLANS FOR LENGTH
RG-B	VARIOUS	[illegible]	[illegible]	6"	1/4"	N/A	175 CFM/PER FT	0.056			CT-540	TITUS	WITH LIGHT SHIELD SEE PLANS FOR LENGTH

NOTES:
1. THROW VALUES GIVEN ARE FOR TERMINAL VELOCITIES OF 150,100 AND 50 FPM.
2. ALL BORDER TYPES AND FINISHES TO BE SPECIFIED AND VERIFIED BY THE ARCHITECT.
3. ALL PLENUMS TO BE FACTORY ASSEMBLED AND EQUIPPED WITH 1" ACOUSTICAL LINING.
4. PROVIDE LIGHT SHIELD FOR ALL LOCATIONS WHERE DIFFUSERS ARE USED FOR RETURN.
5. ALL CONNECTIONS TO PLENUMS MADE ABOVE A HARD CEILING SHALL BE PROVIDE WITH CORD OPERATED DAMPERS.
6. NC VALUES BASED ON OCTAVE BAND 2 TO 7 SOUND POWER LEVELS MINUS ROOM ABSORPTION OF 10 DB.
7. ALL AIR OUTLETS USED IN BATHROOMS TO BE OUT OF ALUMINUM.
8. WHERE RETURN DIFFUSERS ARE SUBSTITUTED FOR OPENING, PROVIDE LIGHT SHIELD OVER RETURN OPENING.

12/08/2017
Superseded

SOUND TRAP SCHEDULE

TRAP NO.	FAN SYSTEM	LOCATION	CFM	SIZE: WIDTH (IN.)	SIZE: HEIGHT (IN.)	SIZE: LENGTH (IN.)	MAX. P.D. IN. W.G.	SIZE	MODEL NO.	REMARKS
ST-1	GENERATOR SUPPLY	2ND FLOOR	40,000	240	96	48	0.1			IAC TYPE 3MS
ST-2	GENERATOR EXHAUST	2ND FLOOR	40,000	96	96	60	0.1			IAC TYPE 3MS

ZONE CONTROL TERMINALS SCHEDULE

STANDARD MFR: ALDES

TAG.	SERVICE	TYPE	MODEL	GRILLE SIZE L x W	EXHAUST BOX DIMENSIONS L x W x H	NECK (DUCT) SIZE (IN)	DIFFUSER SIZE	DIFFUSER TYPE	NO. OF CARS IN ASSEMBLY	CAR DIMENSIONS	CAR FLOW SETTINGS	AIRFLOW RANGE MIN/MAX CFM	BALANCING TOLERANCE	DIFFERENTIAL PRESSURE RANGE IN. WG.	Discharge NC MIN/MAX @ 0.4 in wg.	ELECTRICAL V/PHASE/HZ	SEQUENCE OF OPERATION	REMARKS
CAR-E-1	Exhaust	Inline - (2)Tube	ZRT-PDIL	NA	14" x 20" x 10"	20" x 10"			2	8" / 8"		50/300	+/-15%	0.2-0.8		24V	Interlock with Kitchen Hood	
CAR-S-1	Supply	Inline - (2)Tube	ZRT-PDIL	NA	14" x 20" x 10"	20" x 10"			2	8" / 8"		70/340	+/-10%	0.2-0.8		24V	Interlock with Kitchen Hood	
CAR-S-2	Supply	Inline - (2)Tube	ZRT-PDIL	NA	14" x 20" x 10"	20" x 10"			2	8" / 8"		115/380	+/-10%	0.2-0.8		24V	Interlock with Kitchen Hood	
CAR-S-3	Supply	Inline - (2)Tube	ZRT-PDIL	NA	14" x 20" x 10"	20" x 10"			2	8" / 8"		160/430	+/-10%	0.2-0.8		24V	Interlock with Kitchen Hood	
CAR-S-4	Supply	Inline - (2)Tube	ZRT-PDIL	NA	14" x 20" x 10"	20" x 10"			2	8" / 8"		135/585	+/-10%	0.2-0.8		24V	Interlock with Kitchen Hood	SEE NOTES
CONSTANT AIR FLOW REGULATOR																		
CAR-1	Exhaust	Duct Mount	CAR-SE-II	Duct Mount	8" x 6"	8" x 6"	N/A	0.2-0.8	1.0	4"	50	50	+/-15%	0.2-0.8		NA	CONSTANT EXHAUST REGULATOR ASSEMBLY W/ CUSTOM 8X6 ADAPTOR PLATE. SEE NOTE 6	SEE NOTES
CAR-2	Exhaust	Duct Mount	CAR-SE-II	Duct Mount	8" x 6"	8" x 6"	N/A	0.2-0.8	1.0	4"	60	60	+/-10%	0.2-0.8		NA	CONSTANT EXHAUST REGULATOR ASSEMBLY W/ CUSTOM 8X6 ADAPTOR PLATE. SEE NOTE 6	SEE NOTES
CAR-3	Exhaust	Duct Mount	CAR-SE-II	Duct Mount	8" x 6"	8" x 6"	N/A	0.2-0.10	1.0	5"	75	75	+/-10%	0.2-0.8		NA	CONSTANT EXHAUST REGULATOR ASSEMBLY W/ CUSTOM 8X6 ADAPTOR PLATE. SEE NOTE 6	SEE NOTES
CAR-4	Exhaust	Duct Mount	CAR-SE-II	Duct Mount	8" x 6"	8" x 6"	N/A	0.2-0.11	1.0	5"	105	105	+/-10%	0.2-0.8		NA	CONSTANT EXHAUST REGULATOR ASSEMBLY W/ CUSTOM 8X6 ADAPTOR PLATE. SEE NOTE 6	SEE NOTES
CAR-5	Exhaust	Duct Mount	CAR-SE-II	Duct Mount	8" x 6"	8" x 6"	N/A	0.2-0.12	1.0	6"	125	125	+/-10%	0.2-0.8		NA	CONSTANT EXHAUST REGULATOR ASSEMBLY W/ CUSTOM 8X6 ADAPTOR PLATE. SEE NOTE 6	SEE NOTES
CAR-6	Exhaust	Duct Mount	CAR-SE-II	Duct Mount	14"X8"	14"X8"	N/A	0.2-0.12	1.0	6"	500	500	+/-10%	0.2-0.8		NA	CONSTANT EXHAUST REGULATOR ASSEMBLY W/ CUSTOM 8X6 ADAPTOR PLATE. SEE NOTE 6	SEE NOTES
CAR-7	Exhaust	Duct Mount	CAR-SE-II	Duct Mount	20"X10"	20"X10"	N/A	0.2-0.12	2.0	6"	1200	500	+/-10%	0.2-0.8		NA	CONSTANT EXHAUST REGULATOR ASSEMBLY W/ CUSTOM 8X6 ADAPTOR PLATE. SEE NOTE 6	SEE NOTES

NOTES:
1. ALL DUCTWORK AND ASSOCIATED RISERS CONTAINING CONSTANT AIR REGULATING DEVICES SHALL BE CONSTRUCTED AND SEALED TO MINIMIZE LEAKAGE TO NO GREATER THAN 5%. DUCT LEAKAGE TESTING SHALL BE CONDUCTED DURING PHASE OF CONSTRUCTION WHERE FULL ACCESS TO RISERS ARE AVAILABLE AND LEAKAGE TESTING CAN BE 100% COMPLETED PRIOR TO SHEETROCKING THE WALLS. ZRT ASSEMBLIES SHALL BE PROVIDED WITH 1/2" INSULATION FOR ACOUSTICAL NOISE REDUCTION.
2. ZRT AND CAR ASSEMBLIES SHALL BE INSTALLED AND SEALED TO AVOID LEAKAGE. ZRT HEIGHTS AND LOCATIONS SHALL BE COORDINATED WITH CEILING CONTRACTOR TO ENSURE A FLUSH INSTALLATION WITH SHEETROCK CEILING.
3. ZRT SHALL BE PROVIDED WITH LINE VOLTAGE SPRING RETURN ACTUATOR. UPON POWERING UP VIA LIGHT SWITCH OR OTHER POWER SOURCE THE ACTUATOR SHALL MODULATE THE MINIMUM CAR-II OUT OF THE AIRSTREAM ALLOWING THE MAXIMUM CAR-II TO BALANCE TO MAXIMUM CFM. UPON LOSS OF POWER OR THE LIGHT SWITCH TURNING OFF THE DAMPER SPRING RETURN SHALL CLOSE THE DAMPER ALLOWING THE MINIMUM CAR-II TO MAINTAIN MINIMUM CFM SETPOINT.
4. ZRT ASSEMBLIES SHALL BE CAPABLE OF POWERING UP TRACKING DEVICES SUCH AS ZRT'S USED ON THE SUPPLY FOR MAKE UP AIR APPLICATIONS.
5. SUBMIT DIFFUSER AND GRILLES NC RATINGS FOR APPROVAL
6. COORDINATE FINISH WITH ARCHITECT
7. ALL CONSTANT AIR REGULATORS USED ON THE TOP 5 FLOORS OF THE BUILDING WILL BE HIGH PRESSURE (HP) REGULATORS.

SELF CONTAINED POOL AIR CONDITIONING UNIT SCHEDULE (DECTRON AS STANDARD)

TAG	LOCATION	SERVICE	SUPPLY FAN: AIRFLOW (CFM)	SUPPLY FAN: ESP (inH2O)	SUPPLY FAN: HP	SUPPLY FAN: FLA	DIRECT EXPANSION COOLING COIL: AIR TEMP (°F)	DIRECT EXPANSION COOLING COIL: POOL WATER TEMP	DIRECT EXPANSION COOLING COIL: SENS. MBH	DIRECT EXPANSION COOLING COIL: TOTAL MBH	DIRECT EXPANSION COOLING COIL: EER	HOT WATER COIL: WATER TEMP		HOT WATER COIL: MBH	HOT WATER COIL: GPM	HOT WATER COIL: WATER P.D. (PSI)	HOT WATER COIL: WORK. PRESS. (PSIG)	COMPRESSOR: NO.	COMPRESSOR: TYPE OF COMP	COMPRESSOR: LRA PER COMP	CONDENSER: RLA PER COMP	CONDENSER: GPM	CONDENSER: EWT	CONDENSER: LWT	CONDENSER: P.D. (PSI)	REFRIGERANT TYPE	MIN OA (CFM)	ELECTRICAL: MCA	ELECTRICAL: MOP	ENERGY EFF.	MODEL NO.	REMARKS
PDU-1	CELLAR	POOL	12,000	1.75			82	50-60	80		408,650	11.1	160	110				150	6	SCROLL	62	9.6		88	103	0.7	R-401A	3000			10.9	DS-122	

FAN POWEREED TERMINAL UNIT SCHEDULE

TAG	MANUFATER	MODEL	BOX STYLE	SIZE: UNIT	SIZE: INLET	SIZE: OUTLET	CFM: MAX	CFM: MIN	STATIC PRESSURE: INLET	STATIC PRESSURE: DOWN	NC LEVELS: MIN	NC LEVELS: RAD	NC LEVELS: DIS	FAN: CFM	FAN: ESP	FAN: HP	ELEC.: MCA	ELEC.: MOP	UNIT INFO.: VOLT/PH	UNIT INFO.: WEIGHT (LBS)	UNIT INFO.: HAND
FP-A	GREENHECK	DTFS-F	SERIES	B	08	14.1x11.1	500	150	1	0.5	0.06	24	19	500	0.25	0.33	2.0	15	120/1	190	RH
FP-B	GREENHECK	DTFS-F	SERIES	C	10	14.1x11.1	730	220	1	0.5	0.07	22	19	730	0.25	0.33	2.6	15	120/1	195	RH
FP-C	GREENHECK	DTFS-F	SERIES	C	10	14.1x11.1	900	270	1	0.5	0.11	25	23	900	0.25	0.33	2.6	15	120/1	195	RH
FP-D	GREENHECK	DTFS-F	SERIES	D	10	16.5x14.62	950	285	1	0.5	0.12	24	17	950	0.25	0.50	3.5	15	120/1	270	RH
FP-E	GREENHECK	DTFS-F	SERIES	D	10	16.5x14.62	1050	315	1	0.5	0.15	25	20	1050	0.25	0.50	3.5	15	120/1	270	RH
FP-F	GREENHECK	DTFS-F	SERIES	D	12	16.5x14.62	1150	345	1	0.5	0.05	27	22	1150	0.25	0.50	3.5	15	120/1	270	RH
FP-G	GREENHECK	DTFS-F	SERIES	D	12	16.5x14.62	1120	335	1	0.5	0.04	25	21	1120	0.25	0.50	3.5	15	120/1	270	RH

1. SELECTIONS ARE BASED ON TITUS AS MANUFACTURER.
2. ALL PERFORMANCE BASED ON TESTS CONDUCTED IN ACCORDANCE WITH ASHRAE 130-2008 AND AHRI 880-2008.
3. ALL NC LEVELS DETERMINED USING AHRI 885-2008 APPENDIX E.
4. ALL AIRFLOW, PRESSURE LOSSES AND HEATING PERFORMANCE VALUES HAVE BEEN CORRECTED FOR ALTITUDE.
5. UNITS OF MEASURE: DIMENSIONS (IN), AIRFLOW (CFM), WATER FLOW (GPM), AIR PRESSURE (IN WG), WATER HEAD LOSSES (FT) AND TEMPERATURES (DEGF).
6. IN THE "STEPS" COLUMN, CODE "S" DENOTES A MODULATING SCR HEATER.
7. THE MINIMUM SUPPLY CIRCUIT AMPACITY (MCA) AND MAXIMUM OVERCURRENT PROTECTION (MOP) RATINGS WERE CALCULATED IN ACCORDANCE WITH UL STANDARDS BASED ON MOTOR AND ELECTRIC COIL FULL LOAD CURRENT RATINGS.
8. MULTI POINT INLET VELOCITY SENSOR SHALL BE CENTER AVERAGING; NON-CENTER AVERAGING VELOCITY SENSOR IS NOT ACCEPTABLE.
9. FAN POWERED BOX SHALL BE SUPPLIED WITH ECM MOTOR AND MANUAL OR REMOTE PWM SPEED CONTROL; IF REMOTE PWM SPEED CONTROL IS PROVIDED, IT SHALL BE CAPABLE OF BEING CONVERTED BACK TO MANUAL PWM.
10. OPTIONAL REMOTE PWM ALLOWS FOR A 0-10V SIGNAL TO MODULATE FAN RPM TO MIN/MAX, IF BMS NEEDS TO STOP THE FAN OPTIONAL CONTROL SEQUENCE IS AVAILABLE WITH A 0-2V ACTING AS A STOP SIGNAL AND A 2.1-10V SIGNAL AS A FAN MIN/MAX SETTING.
11. ALL CONNECTIONS TO UNITS TO BE PROVIDED WITH FLEXIBLE DUCTWORK CONNECTIONS.
12. VIBRATION ISOLATION SHALL BE EQUIVALENT TO MASON INDUSTRIES 30N OR MASON'S HD.

VARIABLE MAKE UP AIR SINGLE DUCT TERMINAL UNIT SCHEDULE

Tag	Room	Manufacture	Model	Size: Unit	Size: Outlet	CFM: Max	CFM: Min	Static Pressure: Inlet	Static Pressure: Down	Static Pressure: Min	NC Levels: Rad.	NC Levels: Disch.	Unit Information: Hand
VMA-A		Titus	DESV	08	12x10	630	180	0.25	0.2	0.02	23	20	RH
VMA-B		Titus	DESV	08	12x10	675	225	0.25	0.2	0.04	18	15	RH
VMA-C		Titus	DESV	08	12x10	675	250	0.25	0.2	0.04	18	15	RH
VMA-D		Titus	DESV	08	12x10	720	180	0.25	0.2	0.02	23	20	RH
VMA-E		Titus	DESV	09	14x12.5	720	270	0.25	0.2	0.04	18	15	RH
VMA-F		Titus	DESV	09	14x12.5	700	280	0.25	0.2	0.04	18	15	RH
VMA-G		Titus	DESV	10	14x12.5	810	360	0.25	0.2	0.01	20	18	RH
VMA-H		Titus	DESV	10	14x12.5	880	430	0.25	0.2	0.01	20	18	RH
VMA-I		Titus	DESV	12	16x15	1690	610	0.25	0.2	0.01	24	21	RH

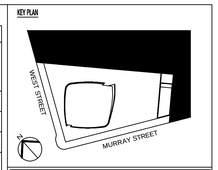
1. SELECTIONS ARE BASED ON TITUS AS MANUFACTURER.
2. ALL PERFORMANCE BASED ON TESTS CONDUCTED IN ACCORDANCE WITH ASHRAE 130-2008 AND AHRI 880-2008.
3. ALL NC LEVELS DETERMINED USING AHRI 885-2008 APPENDIX E.
4. ALL AIRFLOW, PRESSURE LOSSES AND HEATING PERFORMANCE VALUES HAVE BEEN CORRECTED FOR ALTITUDE.
5. UNITS OF MEASURE: DIMENSIONS (IN), AIRFLOW (CFM), WATER FLOW (GPM), AIR PRESSURE (IN WG), WATER HEAD LOSSES (FT) AND TEMPERATURES (DEGF).
6. IN THE "STEPS" COLUMN, CODE "S" DENOTES A MODULATING SCR HEATER.
7. THE MINIMUM SUPPLY CIRCUIT AMPACITY (MCA) AND MAXIMUM OVERCURRENT PROTECTION (MOP) RATINGS WERE CALCULATED IN ACCORDANCE WITH UL STANDARDS BASED ON MOTOR AND ELECTRIC COIL FULL LOAD CURRENT RATINGS.

VAV / CV TERMINAL UNIT SCHEDULE
(TITUS DIRECT DIGITAL CONTROL MODEL DESV AS STD.)

SYMBOL	INLET DIAM. (IN.)	CFM RANGE	DESIGN MAX	DESIGN MIN	ΔP MIN	REMARKS
VAV-A	8	145-900	600	145	0.169	
VAV-B	10	230-1400	1100	230	0.303	

1. PROVIDE FIBRE-FREE LINING IN VAV BOX
2. PROVIDE 24 AC TRANSFORMER
3. PROVIDE 1" THICK ACOUSTICAL LINING FOR 15' DOWN STREAM OF VAV BOX
4. A MINIMUM CONTROLLED TURNDOWN IS REQUIRED OF 20%
5. PROVIDE ACCESS DOOR AT EACH VAV BOX

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
3	03/09/15	DOB ISSUE
2	02/13/15	DOCUMENT ISSUE NO.7
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MARSHALL
APPROVED
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL SCHEDULE - 2-3

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: NTS
M-401.00
DWG NO.

35 OF 43

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DD\Mech\140006 - M-401.dwg SAVED DN 2/27/2015 5:24 PM PLOTTED DN 3/9/2015 3:15 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 321121210 Job Number
E5899743439B9 Scan Code

VRV - HEAT PUMP UNIT SCHEDULE

(DAIKIN AS STANDARD)

UNIT NO.	AREA SERVED	LOCATION	TYPE	FANS CFM	FANS EXT. S.P. (IN.)	FANS RPM	FANS WATTS	ELECTRICAL DATA MCA	ELECTRICAL DATA MOP	ELECTRICAL DATA V/PH/HZ	OA (CFM)	COOLING DATA TOTAL MBH	COOLING DATA SENS. MBH	COOLING DATA EAT	COOLING DATA LAT	HEATING TOTAL MBH	FILTER TYPE	FILTER NO.	FILTER SIZE EA. FILTER	DIMENSIONS LxWxH (INCHES)	WEIGHT (LBS)	MODEL NO.	REMARKS
AC-9-1->4 EVAP	ELEVATOR MACHINE ROOM	ELEVATOR MACHINE ROOM	MINI SPILT CASSETTE	1180	0.05	-	120	-	-	208/1/60			36				-	-	-	34"X34"X12"	55	FXFQ36PVJU	HEAT PUMP
AC-9-COND	ELEVATOR MACHINE ROOM	ELEVATOR MACHINE ROOM	OUTDOOR CONDENSER	14120	-	-	12500	-	-	460/3/60			240				-	-	-	(2) 67"X36"X30"	1200	RXYQ96PATJ	HEAT PUMP
VRV-A	PENTHOUSE	PENTHOUSE	CEILING CONCEALED EVAP- STAND.STATIC	250				0.6	15	208/1/60		12	9.8			13.5						FXMQ12PVJU	HEAT PUMP
VRV-B	PENTHOUSE	PENTHOUSE	CEILING CONCEALED EVAP- STAND.STATIC	530				1.6	15	208/1/60		18	15.6			20						FXMQ18PVJU	HEAT PUMP
VRV-C	PENTHOUSE	PENTHOUSE	CEILING CONCEALED EVAP- STAND.STATIC	706				2.3	15	208/1/60		30	23.9			34						FXMQ30PVJU	HEAT PUMP
VRV-D	PENTHOUSE	PENTHOUSE	CEILING CONCEALED EVAP- STAND.STATIC	990				3.4	15	208/1/60		48	35.8			54						FXMQ48PVJU	HEAT PUMP
VRV-COND	PENTHOUSE	PENTHOUSE	WATER COOLED CONDESER					22.4	40	208/3/60										30"X40"X22"		RWEYQ84PTJU -HR	HEAT PUMP

1. UNIT TO BE PROVIDE WITH DISCONNECT SWITCH.
2. PROVIDE DRIP PAN FOR ALL PIPING INSIDE ELEVATOR MACHINE ROOMS
3. PROVIDE CONDENSATE PUMP & LEAK DETECTOR FOR ALL UNITS
4.PROVIDE UNIT CONTROLS, THERMOSTAT & BAC/NET COMPATIBLE CONTROLLER.

CONDENSING BOILER SCHEDULE

UNIT NO.	SERVICE	INPUT MBH	OUTPUT MBH	MAX GPM	MIN GPM	WATER TEMP (°F) ENT.	WATER TEMP (°F) LVG.	FLUE OUTLET SIZE	FUEL	DESIGN PRESS. PSIG	EFFICIENCY	MODEL NO.	V/P/H	AMPS	VENT MATERIAL	REMARKS
B-1,2,3	HOT WATER SYSTEM	8,000.00	7,360.00	800	160.0	120.0	160	14"	NATURAL GAS	150	88%-92%	CLEVERE BROOKS	208/3/60	12	DOUBLE WALL STAINLESS	

1. ALL UNITS SHALL BE INSTALLED ON A 6" HIGH CONCRETE PAD. REFER TO STRUCTURAL DRAWINGS FOR DETAILS.
2. ALL UNITS TO BE PROVIDED WITH FACTORY ACID NEUTRALIZATION KIT AND PIPED TO CLOSEST DRAIN.
3. BOILERS TO BE PROVIDED WITH FACTORY MOUNTED CONTROLLERS AND INTERLOCKED WITH THE FLUE DRAFT SYSTEM & BMS SYSTEMS.
4. BOILER FLUE TO BE DOUBLE WALL AND UL-1738 LISTED (DOUBLE WALL SPECIAL GAS VENT WITH 1" AIR GAP)

COOLING TOWER SCHEDULE

UNIT NO.	SERVICE	LOCATION	NO. OF CELLS	GPM PER CELL	TOTAL GPM	WATER TEMPERATURE ENT. (°F)	WATER TEMPERATURE LVG. (°F)	AMBIENT TEMP. (°F WB)	FANS NO. PER CELL	FANS RPM	FANS NOM. HP PER CELL	ELECTRIC BASIN HEATERS NO./CELL	ELECTRIC BASIN HEATERS Kw/cell	VOLTS/PH/HZ	MODEL NO.	OPERATING WEIGHT LBS	REMARKS
CT-1	BUILDING	ROOF	2	1000	2000	85	100	78	1		15	2		460/3/60	MARLEY NC8407PCN2		

NOTES:
1. PROVIDE BASIN HEATER FOR BOTH CELLS.
2. PROVIDE WHISPER QUIET FANS, & INTAKE WATER SILENCERS.
3. PROVIDE VFDS FOR FANS.
4. ALL VALVING TO BE PROVIDED BY COOLING TOWER MANUFACTURE.

CENTRIFUGAL PUMP SCHEDULE

PUMP NO.	SERVICE	LOCATION	TYPE	GPM	PUMP SPEED (RPM)	TOTAL DYNAM. HEAD FEET	MIN. DESIGN WORKING PRESS. P.S.I.G.	MFR.	MODEL NO.	CURVE NO.	MAX. SHUT-OFF FEET	IMP. DIAM. IN.	MIN. N.P.S.H. REQ. FEET	MOTOR BHP	MOTOR HP	MOTOR RPM	MOTOR V/Ph/Hz	VIBR. ISOL. SPEC. TYPE	MIN. STATIC DEFL. INCHES	WEIGHT (LBS)	REMARKS
CWP-1,2	PRIMARY CONDENSER WATER LOOP	ROOF MER	VERTICAL IN-LINE	1340	1780	100	150	BELL & GOSSETT	80 SC -12X12X13					86	100		460/3/60	SEE SPEC	SEE SPEC		1 PUMP STAND BY,VFD
SCWP-1,2	SECONDARY CONDENSER WATER LOOP	ROOF MER	VERTICAL IN-LINE	1340	1750	130	150	BELL & GOSSETT	80 SC - 8X8X13.5					45	60		460/3/60	SEE SPEC	SEE SPEC		1 PUMP STAND BY,VFD
SCWP-3,4	SECONDARY CONDENSER WATER LOOP	LEVEL 27	VERTICAL IN-LINE	670	1750	130	150	BELL & GOSSETT	80 SC - 8X8X13.5					33	50		460/3/60	SEE SPEC	SEE SPEC		1 PUMP STAND BY,VFD
HWP-1,2	HOT WATER LOOP	PAVLLION	VERTICAL IN-LINE	800	1750	110	150	BELL & GOSSETT	80 SC - 10X10X13.5					55	75		460/3/60	SEE SPEC	SEE SPEC		1 PUMP STAND BY,VFD
SHWP-1,2	SECONDARY HOT WATER LOOP	LEVEL 3	SPLIT-CASE	670	1750	180	400	BELL & GOSSETT	VSX-VSCS - 5X6X13.5					55	75		460/3/60	SEE SPEC	SEE SPEC		1 PUMP STAND BY,VFD

1. PROVIDE PUMPS WITH SUCTION DIFFUSERS AND TRIPLE DUTY VALVES
2. ALL PUMPS TO BE PROVIDED WITH VFDS
3. PROVIDE CHAIN FALL FOR ALL VERTICAL PUMPS FOR MAINTENANCE.
4. ALL FREEZE PROTECTION PUMPS TO BE BACKED UP BY EMERGENCY POWER.

HEAT PUMP UNIT SCHEDULE

SYMBOL	TYPE	MODEL NO.	CFM	EXT. S.P. IN.W.G.	MOTOR BHP	MOTOR HP	ELECTRICAL FLA	ELECTRICAL MCA	ELECTRICAL MAX FUSE	COOLING CAPACITY E.A.T. (°F) DB	E.A.T. (°F) WB	L.A.T. (°F) DB	L.A.T. (°F) WB	BTUH TOTAL	BTUH SENS	GPM	E.W.T. (°F)	L.W.T. (°F)	HEATING CAPACITY	COP	EER	V/PH/HZ	DIMENSIONS (LxWxH)	VIBRATION ISOLATION SPEC. TYPE	VIBRATION ISOLATION DEFLECTION (INCHES)	WEIGHT (LBS)	REMARKS
HHP-A	HORIZONTAL CEILING CONCEALED		360	0.2			5.3	6.4	15	75	62	57.0	54.0	7,600	7,000	1.5	88	103	11,500	4.55	11.20	208/1/60		TYPE IV	SEE SPEC		
HHP-B	HORIZONTAL CEILING CONCEALED		400	0.2			5.9	5.1	15	75	62	57.0	52.0	10,600	7,900	2	88	103	15,500	4.56	11.20	208/1/60		TYPE IV	SEE SPEC		
HHP-C	HORIZONTAL CEILING CONCEALED		647	0.2			8.2	7.2	15	75	62	55.0	55.0	16,000	14,400	3	88	103	21,500	4.33	11.40	208/1/60		TYPE IV	SEE SPEC		
HHP-D	HORIZONTAL CEILING CONCEALED		912	0.2			14.3	17.5	30	75	62	55.0	55.0	21,700	20,100	4	88	103	29,800	4.93	12.00	208/1/60		TYPE IV	SEE SPEC		
HHP-E	HORIZONTAL CEILING CONCEALED		400	0.2			5.9	5.1	15	75	62	57.0	52.0	10,600	7,900	2	88	103	15,500	4.56	11.20	277/1/60		TYPE IV	SEE SPEC		
HPV-A	VERTICAL STACK - DUCTED		400	0.3			5.9	6.8	15	75	62	57.0	55.0	9,500	7,500	2.5	88	103	13,300	5.06	13.20	208/1/60		TYPE IV	SEE SPEC		
HPV-B	VERTICAL STACK - DUCTED		450	0.3			8.2	9.6	15	75	62	57.0	55.0	13,700	10,700	3	88	103	17,600	5.24	13.00	208/1/60		TYPE IV	SEE SPEC		
HPV-C	VERTICAL STACK - DUCTED		700	0.3			9.2	10.9	15	75	62	57.0	55.0	16,500	11,900	4	88	103	23,000	5.35	13.20	208/1/60		TYPE IV	SEE SPEC		
HPV-D	VERTICAL STACK - DUCTED		850	0.3			15.4	18.6	30	75	62	57.0	55.0	26,600	18,900	4.5	88	103	34,600	4.71	13.00	208/1/60		TYPE IV	SEE SPEC		
HPV-E	VERTICAL STACK - DUCTED		1100	0.3			18	21.5	35	75	62	57.0	55.0	34,800	23,600	6	88	103	46,000	5.11	12.80	208/1/60		TYPE IV	SEE SPEC		

1. PROVIDE INSULATED STAINLESS STEEL DRIP PAN WITH CONDENSATE PUMP & LEAK DETECTOR
2. PROVIDE DISCONNECT SWITCH
3. PROVIDE TWO STAGE COMPRESSORS FOR ALL UNITS.
4. ALL COILS TO BE RATED FOR A MINIMUM OF 400 LBS.
5. PROVIDE CONTROL BOX ON SIDE OF UNIT
6. PROVIDE MERV 8 FILTERS
7. PROVIDE FILTERS IN HEAT PUMP RETURN OPENINGS
8. PROVIDE VIBRATION ISOLATION
9. COORDINATE CONTROLLER BOX LOCATIONS WITH LAYOUTS
10. PRESSURE INDEPENDENT CONTROL VALVES FOR EACH UNIT.
11. ALL DUCTWORK DOWN STREAM OF THE HEAT PUMP SHALL BE PROVIDED WITH 1" ACOUSTICAL LINING FOR THE FIRST 15' OF DUCT WORK.
12. ALL FAN MOTORS TO BE ECM MOTORS
13. PROVIDE FACTORY INSTALLED P-TRAP FOR CONDENSATE LINE.
14. ALL UNITS TO BE PROVIDED WITH THERMOSTATS.

HOT WATER UNIT HEATER SCHEDULE (VULCAN AS STANDARD)

UNIT NO.	LOCATION	MODEL NO.	OUTPUT BTU/H	GPM	FINAL AIR TEMP. DEG F	MOTOR (WATTS)	RPM	NOMINAL CFM	OUTLET FPM	AMPS @ 115 VAC	MAX MOUNTING HEIGHT (FT.)	VIBRATION ISOLATION SPEC. TYPE	VIBRATION ISOLATION DEFLECTION (INCHES)	THROW (FT.)	REMARKS
UH-B	VARIOUS LOCATIONS	HV-24	17,400	3.0	96	9	1550	450	450	0.53	8	VII	0.50	25	UNIT MOUNTED THERMOSTAT

HEAT EXCHANGER SCHEDULE

UNIT NO.	LOCATION	SERVICE	SIDE 1 GPM	SIDE 1 EWT F	SIDE 1 LWT F	SIDE 1 PD FT.	SIDE 2 GPM	SIDE 2 EWT F	SIDE 2 LWT F	SIDE 2 PD FT.	NO. OF PLATES	MFR. AND MODEL NO.	MODEL NO.	SURFACE AREA SQ. FT.	REMARKS
PHX-1,2	ROOF MER	PRIMARY CONDENSER WATER LOOP	1,340	85	100	12	1,340	102	87	6		BELL & GOSSETT			150 PSI
PHX-3,4	27TH FLOOR	SECONDARY CONDENSER WATER LOOP	670	87	102	12	670	103	88	6		BELL & GOSSETT			300 PSI
PHX-5,6	LEVEL 3	HOT WATER WATER LOOP	800	162	122	12	800	160	120	6		BELL & GOSSETT			400 PSI

FIN-TUBE RADIATION SCHEDULE

(STERLING AS STANDARD)

TAG	RATING (BTU/H/FT)	EWT (°F)	LWT (°F)	GPM PER SECTION	FINS FIN SIZE	FINS FINS / FT	FINS MATERIAL	FINS ROWS	PIPE SIZE	PIPE MATERIAL	REMARKS
FTR-A	1200	160	140	1	4-1/4" SQ.	50	ALUMINUM	2	1-1/4"	COPPER	TRENCHED.

NOTES:
1. ENCLOSURE BY ARCHITECT
2. GRILL ON ENCLOSURE TO BE A MINIMUM OF 50% FREE AREA
3. BMS TO PROVIDE 2 WAY CONTROL VALVE

AIR SEPERATOR SCHEDULE

UNIT NO.	MFG.	MODEL NO.	SERVICE PUMPS	SYSTEM	MAX FLOW (GPM)	LINE SIZE	OPERATING WEIGHT (LBS.)	MAX WORKING PRESSURE (PSIG)	REMARKS
AS-1	BELL & GOSSETT	RL-10F	SCWP-1,2	SECONDARY CONDENSER WATER WATER LOOP	2,000	10		300	
AS-2	BELL & GOSSETT	RL-8F	SCWP-3,4	SECONDARY CONDENSER WATER WATER LOOP	1,000	8		300	
AS-3	BELL & GOSSETT	RL-8F	SHWP-1,2	SECONDARY HOT WATER LOOP	1,000	8		400	
AS-4	BELL & GOSSETT	RL-8F	PHWP-1,2	SECONDARY HOT WATER LOOP	1,000	8		300	

WATER FILTER SCHEDULE

UNIT NO.	LOCATION	MODEL NO.	DIAMETER (IN.)	PUMP HP	ELECTRICAL DATA (V/PH/HZ)	BACKWASH/ TOTAL (GPM) .5 MICRON	BACKWASH/ TOTAL (GPM) .25 MICRON	SHIPPING WEIGHT (LBS.)	REMARKS
WF-1	ROOF MER	AMERIWATER CW120	20	3	460/3/60	25(125)	15(75)	1200	

NOTES:
1. CONSULT FACTORY WORKS FOR PIPING RUNS GREATER THAN 20' FROM FILTER
2. ISOLATION VALVES TO BE PROVIDED
3.SIZING BASED ON AMERIWATER SYSTEMS ONLY. SUBSTITUTIONS SIZED PER MANUFACTURER PUBLISHED DATA OR INDUSTRY STANDARD AT 10% OF RECIRCULATION RATE

COPPER PIPE GUIDE SPACING		
SIZE	DISTANCE TO 1ST GUIDE	INTERMEDIATE GUIDE SPACING
1"	2'4"	18'
1/2"	2'11"	22'
3"	3'6"	23'
STEEL PIPE GUIDE SPACING		
SIZE	DISTANCE TO 1ST GUIDE	INTERMEDIATE GUIDE SPACING
4"	4'6"	30'
6"	4'6"	40'
12"	4'6"	65'

ELECTRIC HEATER SCHEDULE

UNIT NO.	AREA SERVED	LOCATION	TYPE	CFM	AIR TEMP (°F) ENT.	AIR TEMP (°F) LVG.	FAN MOTOR HP	FAN MOTOR RPM	TOTAL CAPACITY (MBH)	ELECTRICAL KW	ELECTRICAL AMPS	ELECTRICAL MFS	ELECTRICAL V/Ph/Hz	WEIGHT (LBS)	MANUF. & MODEL NUMBER	REMARKS
UH-A	VARIES	VARIES	EXPOSED	400	60	100			17	5	20.8	25	208/1/60	30	MARKEL 5100 HF285105N	UNIT MOUNTED THERMOSTAT, DISCONNECT SWITCH, & SUMMER FAN SWITCH
CUH-A	VARIES	VARIES	RECESSED	245	-	-	-	-	17	5	20.8	25	208/1/60	41	MARKEL-3450	UNIT MOUNTED THERMOSTAT, DISCONNECT SWITCH, & SUMMER FAN SWITCH
EFT-A	VARIES	VARIES	EXPOSED	-	-	-	-	-		.75 PER FT			277/1/60		BRASCH DBCT	UNIT MOUNTED THERMOSTAT, DISCONNECT SWITCH, ARCH TO CONFIRM COLOR
KH-1	VARIES	VARIES	TOE SPACE HEATER	-	-	-	-	-		1.5	6.3		120/1/60		QMARK QTS1504T	UNIT MOUNTED THERMOSTAT, DISCONNECT SWITCH

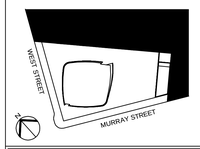
1. UNIT TO BE PROVIDE WITH DISCONNECT SWITCH.
2. PROVIDE WIRED THERMOSTAT.
3. REFER TO DRAWINGS FOR LINEAR LENGTH OF FIN TUBE

EXPANSION TANK SCHEDULE

UNIT NO.	SERVICE	LOCATION	LENGTH (IN)	DIAM. (IN)	CAPAC. (GAL)	WORK. PRESS. (PSIG)	OPERATING WEIGHT	MANUFACTURER & MODEL NO.	REMARKS
ET-1	SECONDARY CONDENSER WATER LOOP	ROOF MER	100-7/8	48	660	150		BELL & GOSSETT B-2500	
ET-2	SECONDARY HOT WATER LOOP	ROOF MER	100-7/8	48	660	150		BELL & GOSSETT B-2500	
ET-3	SECONDARY CONDENSER WATER LOOP	27TH FLOOR	200-7/9	48	660	300		BELL & GOSSETT B-2500	
ET-4	PRIMARY HOT WATER LOOP	3RD FLOOR	100-7/10	48	330	300		BELL & GOSSETT B-1000	

12/08/2017
Superseded

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:

DWG TITLE:
MECHANICAL
SCHEDULE - 3-3

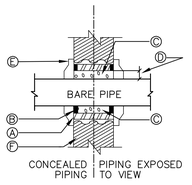
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: NTS
M-402.00
DWG NO.

36 OF 43

FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DDB\Mech\140006 - M-402.dwg SAVED ON 2/27/2015 5:24 PM PLOTTED ON 3/9/2015 3:16 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 320133210 Job Number
Scan Code



A STANDARD WEIGHT STEEL PIPE SLEEVE TO PASS PIPE

B TERMINATE SLEEVE FLUSH WITH FINISHED WALL SURFACES.

C SEAL OR CAULK SLEEVES THRU FIRE WALLS IN A SMOKE TIGHT MANNER. REFER TO SPECIFICATIONS.

D 1/2" CLEAR MAXIMUM.

E FINISHED ESCUTCHEON PLATE FLUSH AGAINST WALL AND OF SIZE TO COMPLETELY COVER OPENING (TYP FOR EACH SIDE)

F FINISHED WALL SURFACE.

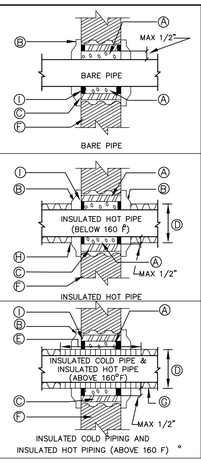
SLEEVES AND ESCUTCHEONS

A. SLEEVES FOR PIPING THROUGH MASONRY WALL SHALL BE SCHEDULE 40, STANDARD GALVANIZED STEEL PIPE; IN FRAMED PARTITIONS SHALL BE 20 GAUGE SHEET METAL. THE SPACE BETWEEN THE PIPE AND ITS SLEEVE SHALL NOT EXCEED ONEHALF INCH. THE SLEEVE SHALL HAVE A SUFFICIENT LENGTH TO BE FLUSH WITH THE FINISHED WALL SURFACES.
B. EXPOSED PIPING PASSING THROUGH WALLS, FLOORS, OR CEILINGS SHALL BE FITTED WITH CHROMIUM-PLATED CAST BRASS ESCUTCHEONS WITH FASTENING SET SCREWS

CUTTING AND PATCHING

A. PIPING PASSING THROUGH WALLS SHALL HAVE A TRIM OPENING CUT NO GREATER THAN NECESSARY FOR THE INSTALLATION OF A SLEEVE SECURED THEREIN.
B. PIPING PASSING THROUGH CONCRETE FLOORS SHALL HAVE AN OPENING CORE DRILLED SO THAT THE SPACE BETWEEN THE OPENING AND THE PIPE SHALL NOT EXCEED ONE-HALF INCH.
C. ANNULAR SPACES BETWEEN PIPING AND SLEEVES OR CORE DRILLED FLOOR OPENINGS SHALL BE PACKED WITH MINERAL WOOL AND SEALED, TO RETAIN THE FIRE INTEGRITY OF THE WALLS AND FLOOR, WITH A NON-HARDENING COMPOUND SIMILAR OR EQUAL TO DUXSEAL AS MANUFACTURED BY THE JM CLIPPER CORP.
D. FOR DETAILS OF FLOOR CORING RESTRICTIONS IN TOWER BUILDING, SEE DRAWING S-C1

TYPICAL DETAIL OF PIPE INSTALLATION THRU RATED WALL



A ALL SPACES PACKED FULL DEPTH WITH MINERAL WOOL OR OTHER EQUALLY APPROVED FIRE RESISTIVE MATERIAL (ASBESTOS OR FIBERGLASS SHALL NOT BE USED)

FIRE RESISTANT FOAM SEAL ANT CHASE FOAM CTC P2-855 (NYC MEA#58-79 M#1&11 MAY BE USED. INSTALL-ATION AS PER MANUFAC-TURER.

B ESCUTCHEON BOTH SIDES

C SLEEVE

D DIAMETER OF INSULATED PIPE

E ANHYDROUS CALCIUM SILICATE INSULATION THRU SLEEVE

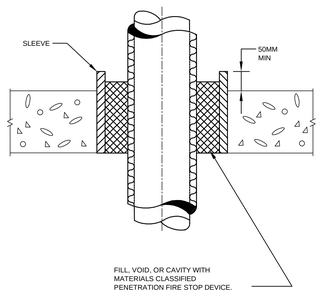
F FIRE RATED PARTITION WALL OR FLOOR

G FIBERGLASS INSULATION

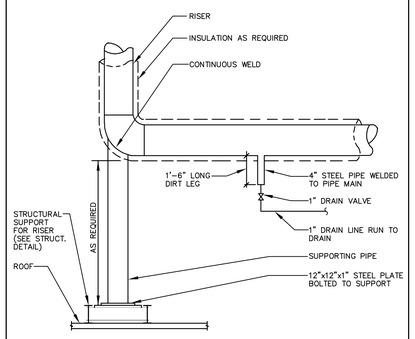
H TERMINATE INSULATION AT ESCUTCHEON

I 1/2" DEPTH FIRE STOP FINISH SEALANT (SEE HVAC SPEC)

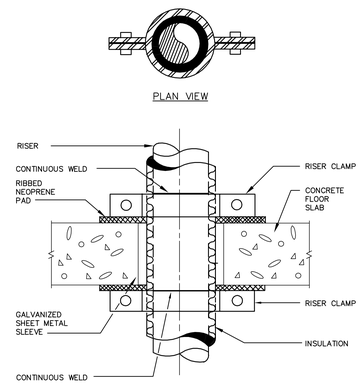
DETAIL OF PIPING PIERCING FIRE RATED PARTITIONS, WALLS AND FLOORS



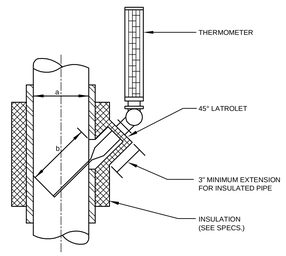
TYPICAL PIPE AND/OR CONDUIT FLOOR PENETRATION



PIPE RISER BASE ELBOW SUPPORT DETAIL

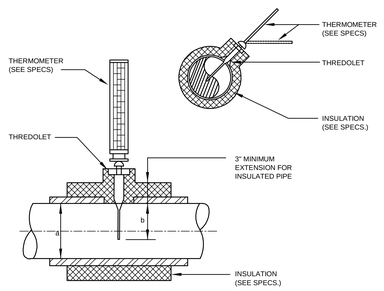


TYPICAL RISER ANCHOR DETAIL



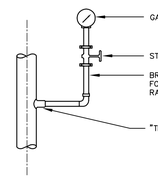
INSERTION LENGTH SCHEDULE	
a = PIPE DIAMETER	b = INSERTION LENGTH
UP TO 6"	6"
8" AND 10"	8"
12" AND LARGER	14"

THERMOMETER WELL LOCATED IN VERTICAL PIPE



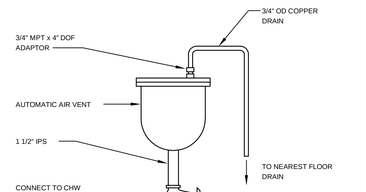
INSERTION LENGTH SCHEDULE	
a = PIPE DIAMETER	b = INSERTION LENGTH
UP TO 4"	3"
6" TO 8"	6"
10" AND LARGER	8"

THERMOMETER WELL LOCATED IN HORIZONTAL PIPE

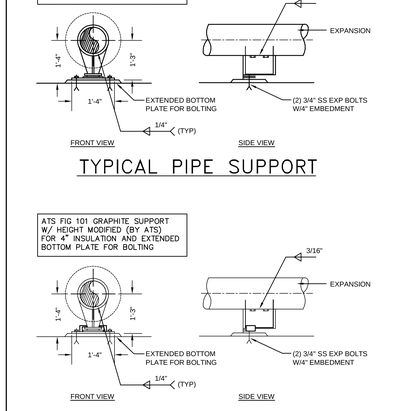


NOTE:
HEATING WATERS AND CONDENSER WATER SYSTEMS SHALL USE STEEL NIPPLES AND FITTINGS.

TYPICAL GAUGE PIPING DETAIL

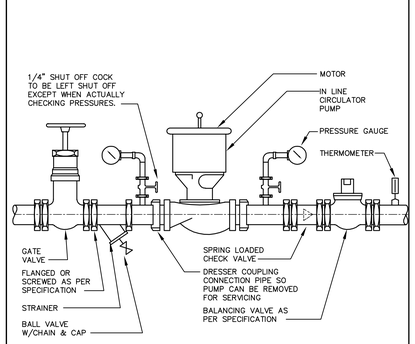


AUTOMATIC AIR VENT DETAIL

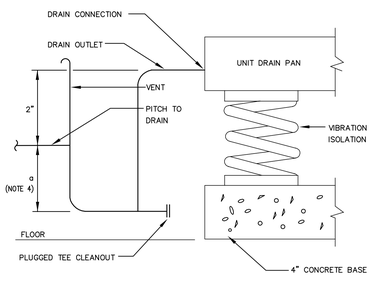


TYPICAL PIPE SUPPORT

TYPICAL PIPE GUIDE

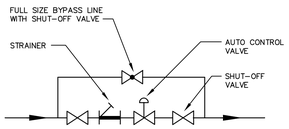


IN-LINE PUMP DETAIL

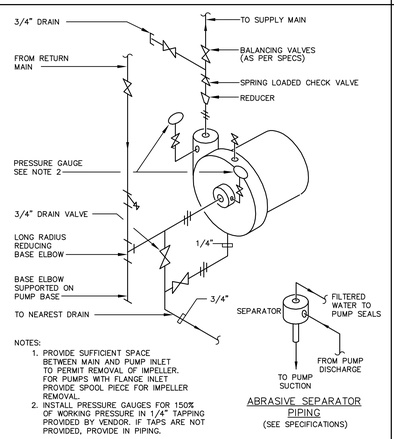


NOTES:
1. ALL DRAIN PIPING TO BE DRAIN PAN OUTLET SIZE 1-1/2" MINIMUM.
2. SUPPORT DRAIN LINES TO PREVENT SAG.
3. INSULATE DRAIN LINES AS PER SPECIFICATIONS.
4. MIN. DIMENSION
FOR DRAW THRU UNITS a = 1.0 x S.P."
FOR BLOW THRU UNITS a = 1.5 x S.P."

AIR HANDLING UNIT COOLING COIL DRAIN DETAIL



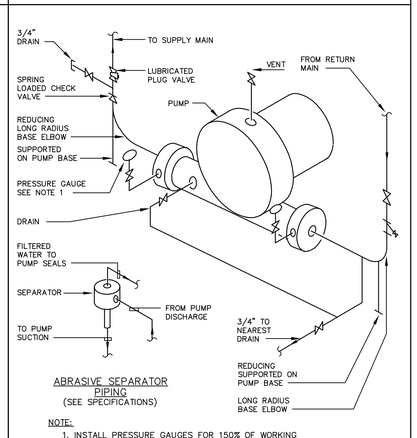
AUTOMATIC CONTROL VALVE STATION DETAIL WITH BYPASS



NOTES:
1. PROVIDE SUFFICIENT SPACE BETWEEN MAIN AND PUMP INLET TO PERMIT REMOVAL OF IMPELLER. FOR PUMPS WITH FLANGE INLET PROVIDE SPOOL PIECE FOR IMPELLER REMOVAL.
2. INSTALL PRESSURE GAUGES FOR 150% OF WORKING PRESSURE IN 1/4" TAPPING PROVIDED BY VENDOR. IF TAPS ARE NOT PROVIDED, PROVIDE IN PIPING.

ABRASIVE SEPARATOR PIPING
(SEE SPECIFICATIONS)

WATER PUMP PIPING END SUCTION PUMP

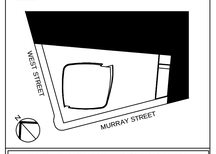


ABRASIVE SEPARATOR PIPING
(SEE SPECIFICATIONS)

NOTE:
1. INSTALL PRESSURE GAUGES FOR 150% OF WORKING PRESSURE IN 1/4" TAPPING PROVIDED BY PUMP VENDOR.

WATER PUMP PIPING HORIZONTAL SPLIT-CASE

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:

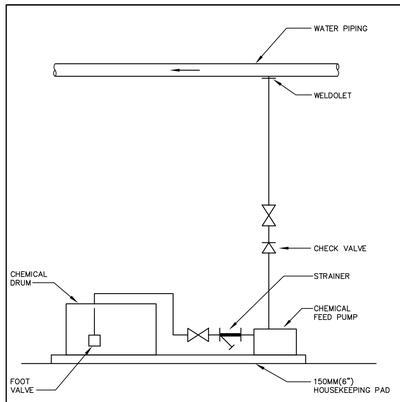
DWG TITLE:
MECHANICAL DETAILS 1-7

SEAL & SIGNATURE:

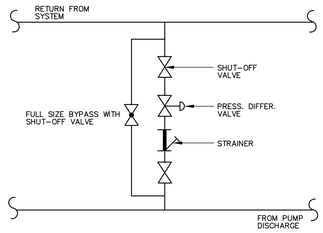
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-500.0
DWG NO.
37 OF 43

FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DDB\Mech\140006 - M-500.dwg SAVED ON 2/27/2015 5:23 PM PLOTTED ON 3/9/2015 3:16 PM PLOTTED BY ISRAEL, YOUSSEF

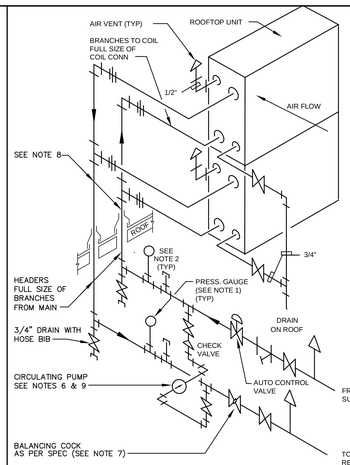
DEPT OF BLDGS 121121210 Job Number
E3526285389 Scan Code



CHEMICAL TREATMENT SYSTEM

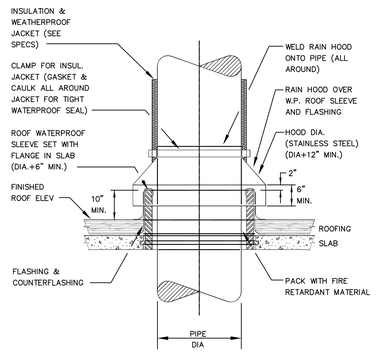


PRESSURE DIFFERENTIAL VALVE STATION DETAIL

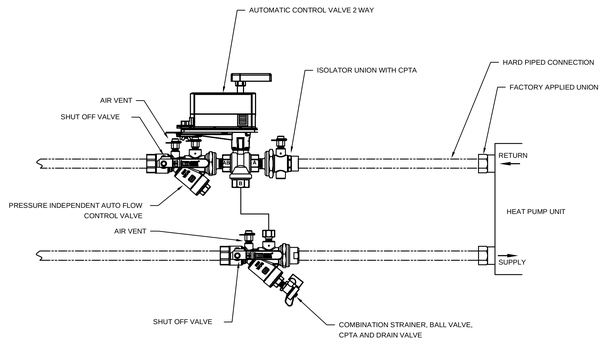


NOTES:
1. PRESSURE GAUGE TEST CONNECTION PROVIDE GAUGES IF REQUIRED BY SPECS.
2. SEPARABLE SOCKETS FOR THERMOMETERS PROVIDE THERMOMETERS IF REQUIRED BY SPECS.
3. LOCATE RISERS TO CLEAR TUBE PULL.
4. FOR SYSTEMS WITH COILS (2) WIDE OPPOSITE END PIPING IS SIMILAR AS SHOWN
5. INSTALL COIL PIPING FOR COUNTER FLOW.
6. FREEZE PROTECTION PUMP DETAIL APPLIES TO ALL WATER COILS REGARDLESS OF QUANTITIES.
7. PROVIDE ALL BALANCING VALVES WITH MEMORY STOPS.
8. ALL PIPING ABOVE ROOF SHALL BE FREEZE PROTECTED AS SPECIFIED.
9. REFER TO DETAIL FOR TYPICAL PIPING AND VALVE REQUIREMENTS FOR CIRCULATING PUMP.
10. SUPPLY AND RETURN HEADERS SHALL BE FULL SIZE OF SUPPLY AND RETURN PIPING FROM MAINS.
11. PROVIDE GALVANIZED STEEL DRAIN PAN UNDER ALL COOLING COILS SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

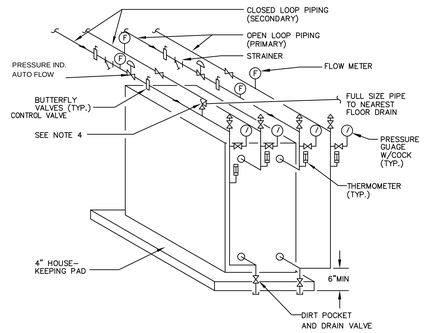
MULTIPLE VERT. WATER COIL PIPING
(ROOF MOUNTED)



PIPE PENETRATION THRU ROOF SLAB

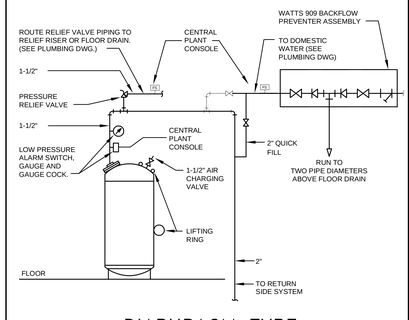


TYPICAL VALVE PACKAGE FOR HEAT PUMP INSTALLATION

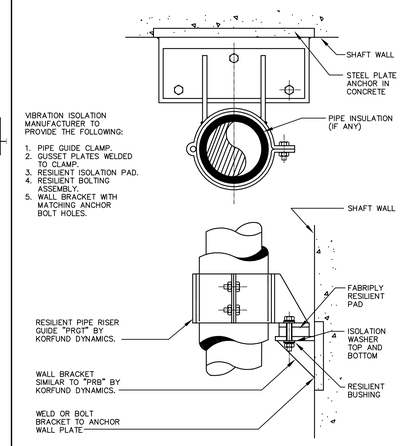


NOTES:
1. PROVIDE THERMOMETERS AND SEPARABLE SOCKETS FOR THERMOMETERS.
2. PROVIDE PRESSURE GUAGES AND GUAGE TEST CONNECTIONS.
3. ALL PIPING SHALL BE ARRANGED TO ALLOW REMOVAL OF PLATE FIN SECTIONS FOR CLEANING W/MIN. DISTURBANCE TO PIPING.
4. RELIEF VALVE SETTING SHALL BE 10 PSI BELOW RATING OF PIPING SYSTEM OF HEAT EXCHANGER.

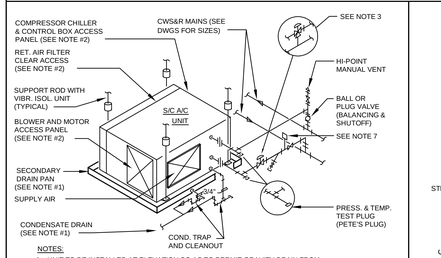
PLATE FIN HEAT EXCHANGER



DIAPHRAGM TYPE EXPANSION TANK DETAIL

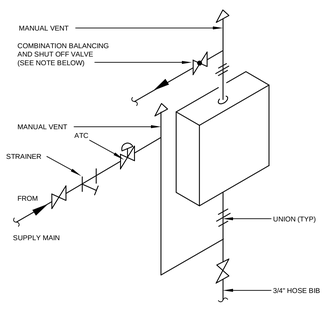


RESILIENT PIPE RISER GUIDE
(FOR PIPE DIAMETERS 6" AND SMALLER)



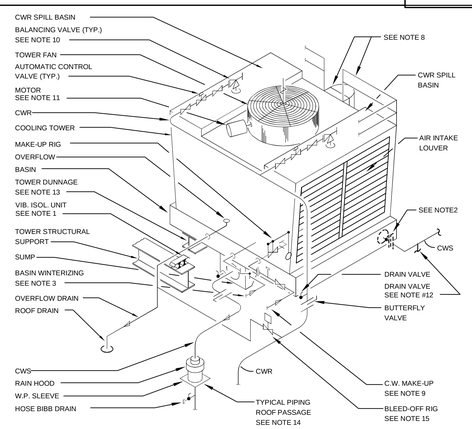
NOTES:
1. UNIT TO BE INSTALLED AT ELEVATION SO AS TO PERMIT GRAVITY DRAIN FROM CONDENSATE PAN AND SECONDARY DRAIN PAN TRAPS (ABOVE HUNG CEILING) TO BUILDING DRAIN. IF LEAK DETECTOR INSTALLED IN SECONDARY DRAIN PAN- IT SHALL WIRED TO SHUT-OFF THE UNIT. FOR CONDENSATE DRAIN PIPING RUNS REFER TO PLANS.
2. UNIT SHALL BE LOCATED SO THAT ACCESS IS CLEAR TO FILTERS AND ACCESS PANELS.
3. PROVIDE PRESSURE INDEPENDING AUTOMATIC CONTROL VALVE
4. UNIT SHALL BE STRAIGHT COOLING UNLESS OTHERWISE SPECIFIED OR SCHEDULED.
5. SELECT VALVE PRESSURE RATING AS FOLLOWS;
   WHERE "X"= DISTANCE FROM UNIT INLET TO TOP OF SYSTEM
   125 PSIG - "X"= 0FT TO 160FT
   250 PSIG - "X"= 161FT TO 450FT
   300 PSIG - "X"= OVER 450FT
   OVER 300 PSIG - AS NECESSARY
6. PROVIDE ROOM STAT WITH SUB-BASE.
7. PROVIDE DIFFERENTIAL PRESSURE SWITCH TO PREVENT COMPRESSOR OPERATION WITH LOW WATER FLOW.
8. REGULATING VALVE SHALL STOP WATER FLOW WHEN POWER FAILS OR UNIT IS STOPPED.

SUPPLEMENTARY SELF CONTAINED UNIT PIPING DETAIL



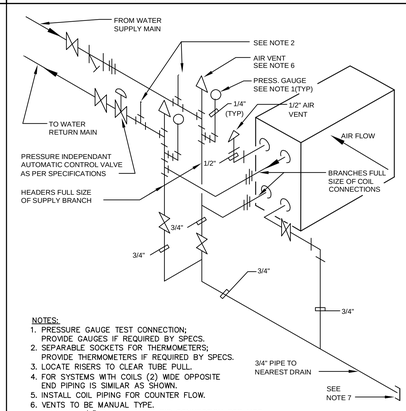
NOTE:
COMBINATION BALANCING VALVE WITH "MEMORY STOP" MAY BE SUBSTITUTED FOR SEPARATE BALANCING VALVE AND GATE VALVE.

UNIT HEATER HOT WATER PIPING



NOTES:
1. PROVIDE VIBRATION ISOLATION UNITS AS SPECIFIED.
2. FOR MULTI-CELL TOWER PROVIDE FULL SIZE EQUALIZING LINE WITH AUTOMATIC ISOLATION VALVE FOR EACH CELL.
3. PROVIDE BASIN FREEZE PROTECTION AS SPECIFIED.
4. PROVIDE STAINLESS STEEL SUMP SCREEN OR VORTEX PLATE (WITH TOWER).
5. SEE SPEC. FOR TWO SPEED FAN WIRING, VIB. LIMIT SWITCH ETC.
6. PIPING ABOVE ROOF CAN BE INSTALLED WITH "VICTAULIC" COUPLINGS (USE SPEC. PIPE SCH.).
7. FOR ROOF PIPING WINTERIZING SEE SPEC.
8. PROVIDE PERIMETER RAILING, LADDER AND SAFETY CAGE AS PER OSHA.
9. MAKE-UP WATER RUN OUT TO HAVE A BACKFLOW PREVENTER "WATTS" # 909 (OR EQUAL) PLUS VALVE, STRAINER ETC. (AS REQUIRED)
10. BALANCING VALVES BY TOWER VENDOR.
11. KEEP ACCESS TO MOTOR CLEAR OF PIPING FOR MOTOR REMOVAL.
12. DRAIN VALVES @ ALL LOW POINTS TO BE PIPED WITH SHORT NIPPLE AND INCORPORATED INTO WEATHERPROOF INSULATION (IF APPLIED, SEE SPEC.).
13. TOWER DUNNAGE TO SUIT TOWER DATA (FOR LOAD & LOCATION). FOR TOWER DUNNAGE, SEE STRUCTURAL DRAWINGS.
14. ALL ROOF PASSAGE OF PIPING TO BE PROVIDED WITH W.P. SLEEVE (TO BE WATERPROOFED & FLASHED BY ROOFER) AND RAIN HOOD, SLEEVE TO EXTEND 12" ABOVE ROOFING.
15. BLEED-OFF RIG. SOLENOID, VALVES, STRAINER AND UNIONS, PLUS WIRING ALL IN HVAC DIVISION. (SEE WATER TREATMENT ITEM IN SPEC.)
16. PROVIDE TAPPING IN PIPING (COUPLINGS) AT LOCATION & SIZE REQUIRED BY TEMP. CONTROL CONTRACTOR.
17. ALL PIPING ON ROOF LEVEL (EXPOSED TO AMBIENT CONDITIONS) TO BE HEAT TRACED.
18. PROVIDE BUTTERFLY VALVE IN ADDITION TO BALANCING VALVE.

COOLING TOWER PIPING DETAIL

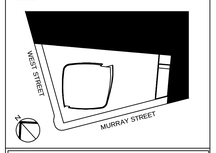


NOTES:
1. PRESSURE GAUGE TEST CONNECTION; PROVIDE GAUGES IF REQUIRED BY SPECS.
2. SEPARABLE SOCKETS FOR THERMOMETERS; PROVIDE THERMOMETERS IF REQUIRED BY SPECS.
3. LOCATE RISERS TO CLEAR TUBE PULL.
4. FOR SYSTEMS WITH COILS (2) WIDE OPPOSITE END PIPING IS SIMILAR AS SHOWN.
5. INSTALL COIL PIPING FOR COUNTER FLOW.
6. VENTS TO BE MANUAL TYPE.
7. PROVIDE 3/4" CAPPED HOSE BIB CONNECTION FOR HOT WATER COILS ONLY THAT ARE LOCATED ABOVE HUNG CEILING.
8. PROVIDE GALVANIZED STEEL DRAIN PAN UNDER ALL COOLING COILS SEE SPECIFICATIONS FOR ADDITIONAL DETAILS.

ONE HIGH VERT. WATER COIL PIPING (THROTTLING CONTROL VALVE)

FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DDB\Mech\140006 - M-501.dwg SAVED DN 2/27/2015 5:23 PM PLOTTED DN 3/9/2015 3:17 PM PLOTTED BY ISRAEL YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

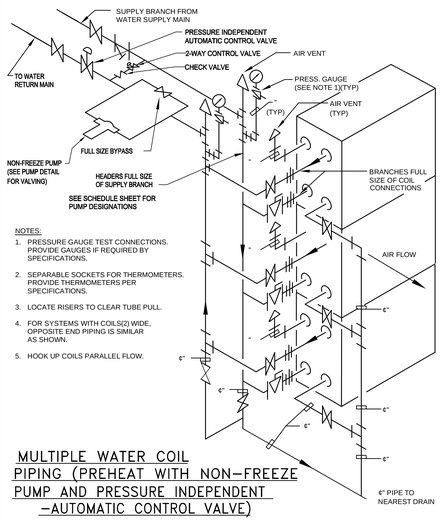
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
SHAUQAT W. SHAIKH
Date Of Expiration: 12/31/2015
NYC Registered Architect
026351
DOD PROFESSIONAL ENGR.
APPROVED
NYC Dept. of Buildings

DWG TITLE:
MECHANICAL DETAILS 2-7

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-501.0
DWG NO.

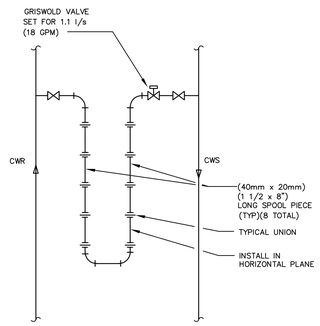
DEPT OF BLDGS 321323210 Job Number
E350.0975835 Scan Code



NOTES:
1. PRESSURE GAUGE TEST CONNECTIONS. PROVIDE GAUGES IF REQUIRED BY SPECIFICATIONS.
2. SEPARABLE SOCKETS FOR THERMOMETERS. PROVIDE THERMOMETERS PER SPECIFICATIONS.
3. LOCATE RISERS TO CLEAR TUBE PULL.
4. FOR SYSTEMS WITH COILS(2) WIDE, OPPOSITE END PIPING IS SIMILAR AS SHOWN.
5. HOOK UP COILS PARALLEL FLOW.

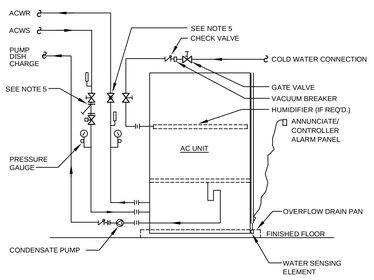
MULTIPLE WATER COIL PIPING (PREHEAT WITH NON-FREEZE PUMP AND PRESSURE INDEPENDENT -AUTOMATIC CONTROL VALVE)

NOTE:(SINGLE & DOUBLE COIL UNITS SIMILAR)



NOTE: LOCATE SPOOL PIECE ASSEMBLY AT LOW POINT OF THE SYSTEM

DETAIL OF CONDENSER WATER CORROSION TESTING SPOOL PIECES



NOTES:
1. PROVIDE SMOKE DETECTOR FOR ALL AC UNITS, REGARDLESS OF SIZE, TO SHUTOFF UNIT CASE OF FIRE SMOKE DETECTOR SHALL BE LOCATED IN ACCORDANCE WITH THE CODE.
2. PROVIDE REMOTE DEVICE THAT INDICATES UNIT IS SHUT OFF. DEVICE SHALL BE LOCATED AS DIRECTED BY OWNER
3. ALL UNITS HAVING COMPRESSOR MOTOR RATING 1 HP AND OVER, SHALL BE 460 VOLTS, 3 PHASE, 60 HZ, UNLESS OTHERWISE SPECIFIED.
4. ALL PIPE FITTING SHALL BE INSULATED WITH PREMOLDED FIBERGLASS AND VAPOR BARRIER OF A THICKNESS EQUAL TO THE PIPE INSULATION.
5. PROVIDE COMBINATION PRESSURE INDEPENDENT FLOW CONTROL VALVE WITH STRAINER, DRAIN, AND SHUT OFFS. IT SHALL BE A POSITIVE SHUTOFF TYPE.
6. THE COMBINATION SHUTOFF AND BALANCING VALVE LOCATED IN CONDENSER WATER RETURN LINE SHALL BE A NON-LUBRICATING TYPE PLUG VALVE WITH POSITION INDICATOR.
7. THIS PIPING DIAGRAM ALSO APPLIES TO ALL THE CEILING MOUNTED AC UNITS.
8. UNIT TO BE INSTALLED AT ELEVATION SO AS TO FACILITATE GRAVITY DRAIN FROM CONDENSATE PAN TRAP (ABOVE HUNG CEILING) TO BUILDING DRAIN.
9. UNIT SHALL BE LOCATED SO THAT ACCESS IS CLEAR TO FILTERS AND ACCESS PANELS.
10. ALL CONTROL VALVES TO BE MODULATING TYPE. VALVE SHALL HAVE MAXIMUM ΔP=(5 PSIG).
11. NOT USED
12. PROVIDE 450 PSIG VALVE PRESSURE RATING.
13. - NOT USED
14. PROVIDE DIFFERENTIAL PRESSURE SWITCH TO PREVENT COMPRESSOR OPERATION WITH LOW WATER FLOW.
15. REGULATING VALVE SHALL STOP WATER FLOW WHEN POWER FAILS OR UNIT IS STOPPED.
16. MAKE PAN 12" LARGER THAN AC UNIT ON EACH OF THE FOUR (4) SIDES.
17. MAKE UPSTANDING SIDES 1-2/3"WITH 1/2" HEM TURNED DOWN OUTSIDE OF PAN.
18. USE US 16 GALVANIZED STEEL WITH SOLDERED CORNERS FOR WATER TIGHTNESS.
19. FOR CONDENSATE PAN WITHIN AC UNIT, USE 1-1/4" DRAIN AT A MINIMUM AND ALGAECIDE TABLETS TO MINIMIZE CLOGGING.
20. USE 'WATER ALERT' WATER SENSING ALARM MADE BY DORLEN MODEL NO R1-2(T) OR EQUAL.
21. USE ALARM EASILY HEARD BY PERSONNEL IN NEARBY CLOSED ROOMS.
22. PLACE DURABLE METAL SIGN PERMANENTLY AFFIXED TO ALARM TO READ: "WHEN ALARM SOUNDS, CALL -_____
23. UNIT SHALL SHUT DOWN UPON ACTIVATION OF ALARM.

TYPICAL AC UNIT CONDENSER WATER PIPING DIAGRAM

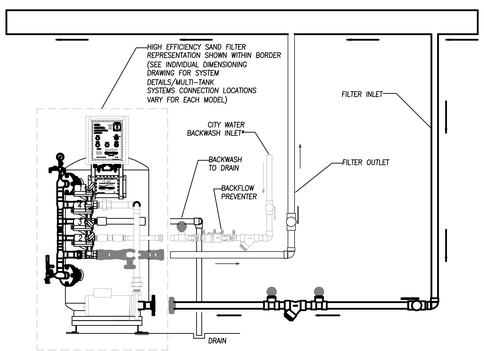
N.T.S.

12/08/2017
Superseded

SIDE STREAM FILTER

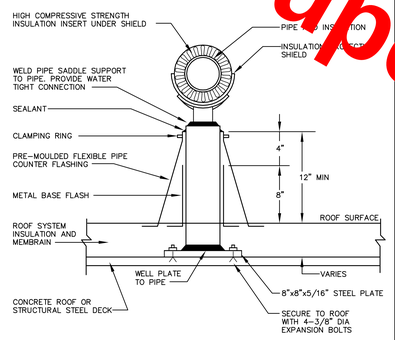
TYPICAL SINGLE TANK INSTALLATION DIAGRAM

INLET AND OUTLET OF FILTER MUST CONNECT TO SAME COMMON COOLING WATER HEADER

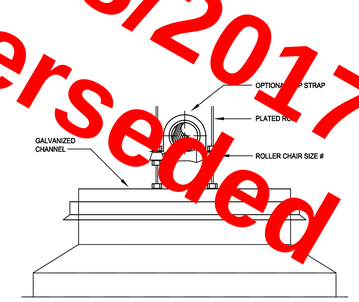


* CITY WATER OR ALTERNATE CLEAN WATER SOURCE. NOT REQUIRED FOR FILTERS USING OPTIONAL TOWER BACKWASH.

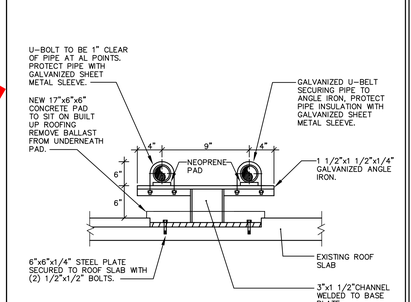
INSTALLATION NOTES:
1) CITY WATER PRESSURE MUST BE BETWEEN 30 AND 100 PSIG, AND MAXIMUM BACKWASH WATER TEMPERATURE IS 100°F (CONSULT CHEMWORKS).
2) CONSULT CHEMWORKS FOR PIPE RUNS GREATER THAN 20' FROM FILTER.
3) ISOLATION VALVES ARE NEEDED IN EACH LINE.
4) ALL PIPING MUST MEET STATE AND LOCAL PLUMBING CODES.
5) SINGLE POINT ELECTRICAL CONNECTION TO CONTROL PANEL.
6) CONSULT CHEMWORKS FOR VERTICAL DRAIN PIPE INSTALLATIONS GREATER THAN 8' IN HEIGHT.



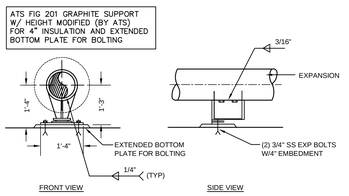
PIPE SUPPORT ON ROOF DETAIL



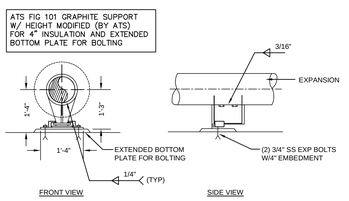
PIPE ROLLER SUPPORT



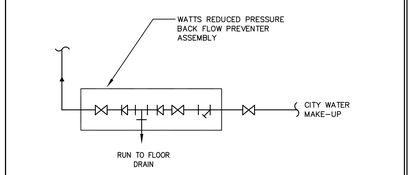
PIPES SUPPORT ON ROOF DETAIL



TYPICAL PIPE SUPPORT

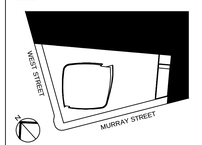


TYPICAL PIPE GUIDE



DOMESTIC WATER CONNECTION TO HVAC EQUIPMENT

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0336

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK DANIEL W. MARSHALL 090323 LICENSED PROFESSIONAL ENGINEER
NYC Professional Engineer [B093]

DWG TITLE:
MECHANICAL DETAILS 3-7

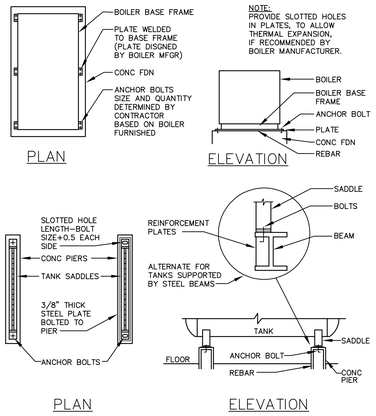
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-502.0
DWG NO.

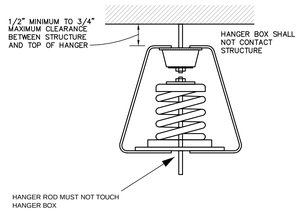
39 OF 43

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-502.dwg SAVED DN 2/27/2015 5:23 PM PLOTTED DN 3/9/2015 3:17 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 121123210 Job Number
E3640695575 Scan Code

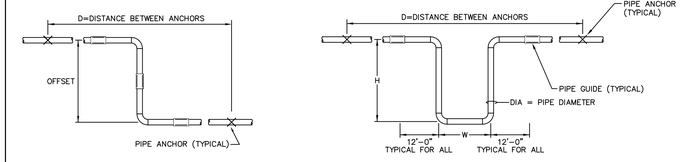


EQUIPMENT(PACKAGED BOILER) ANCHORING DETAIL



SPRING AND NEOPRENE ISOLATOR HANGER CLEARANCE

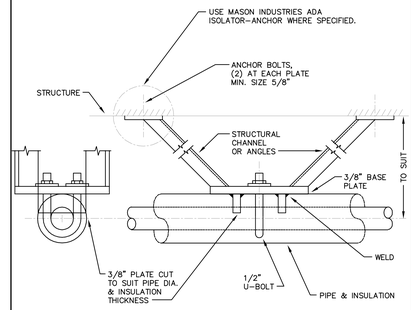
NO SCALE



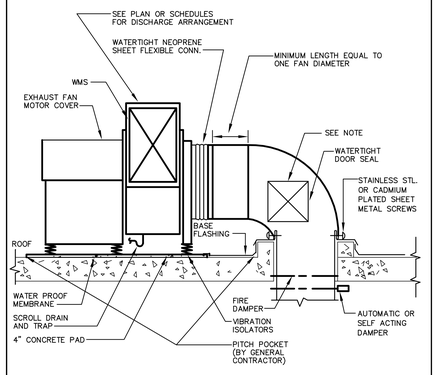
EXPANSION Z-BEND (D = 100 FT) FOR HOT WATER 140-200 °F	
DIA	OFFSET
3/4"	7'-0"
1"	7'-0"
1-1/4"	7'-0"
1-1/2"	9'-0"
2"	9'-0"
2-1/2"	10'-0"
3"	10'-0"
4"	12'-0"
5"	12'-0"
6"	14'-0"
8"	14'-0"

EXPANSION LOOP SCHEDULE (D>100 FT) FOR HOT WATER 140-200 °F		
DIA	H	W
3/4"	3-1/2	1
1"	4	1-1/2
1-1/4"	4-1/2	1-1/2
1-1/2"	5	2
2"	5	2
2-1/2"	5-1/2	2
4"	7	3
5"	8	3
6"	8-1/2	3
8"	10	3

PIPE EXPANSIONS

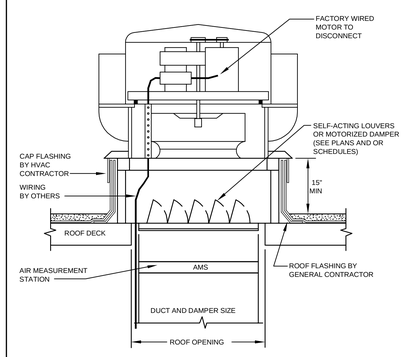


HORIZONTAL PIPE ANCHOR



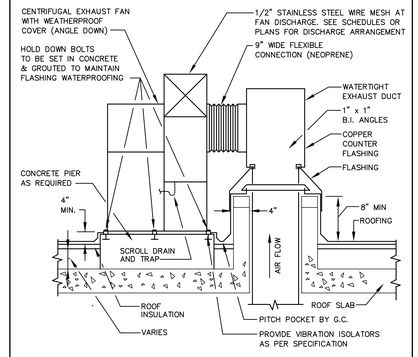
NOTE:
FOR FANS OVER 500 CFM A VANE MUST BE ADDED IN CENTER LINE OF ELBOW

ROOF MOUNTED UTILITY FAN DETAIL

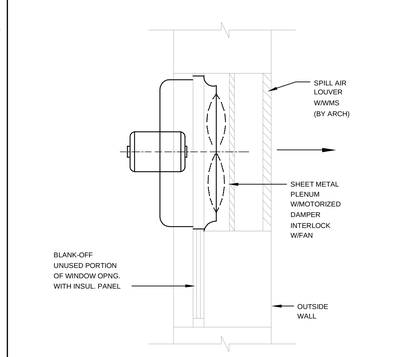


NOTE:
DUCT SHALL BE 1" SMALLER THAN ROOF OPENING.
ROOF OPENING SHALL CONFORM TO MANUFACTURERS CURB SIZE.

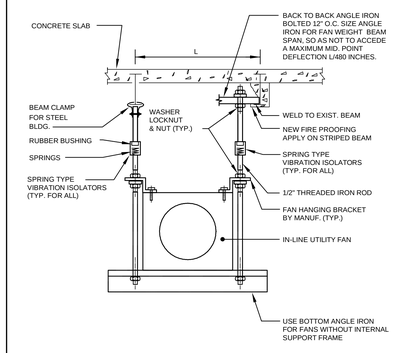
ROOF MOUNTED EXHAUST FAN DETAIL



COMBINATION PAD & CURB FOR CENTRIFUGAL ROOF EXHAUST FANS

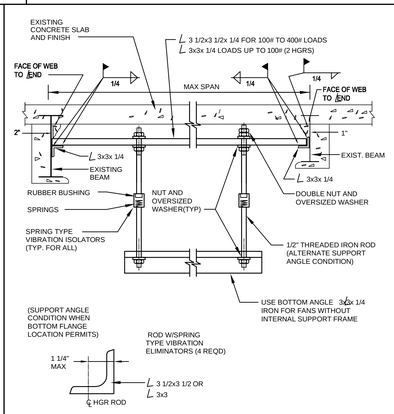


WALL MOUNTED PROPELLER FAN



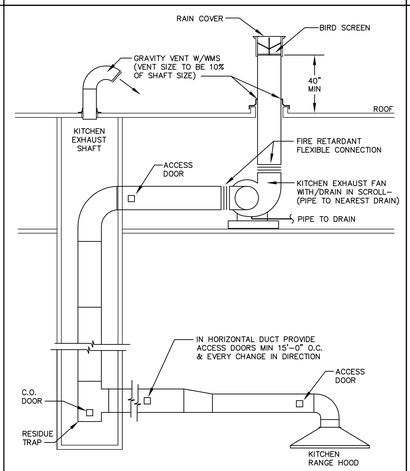
NOTES:
METHOD OF HANGING, TYPE OR INSERT, BEAM CLAMP, ROD, ETC., MUST BE APPROVED BY STRUCTURAL ENGINEER.

IN-LINE FAN SUPPORT DETAIL

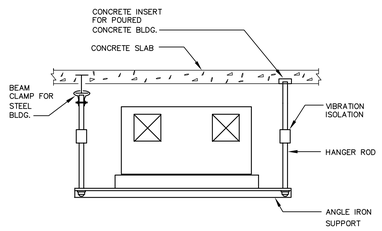


NOTE:
RESTORE ALL FIREPROOFING THAT WAS REMOVED OR DAMAGED DURING CONSTRUCTION AFTER ALL STEEL IS PLACED AND WELDING IS COMPLETED.

DETAIL FOR SUPPORT OF A/C UNIT



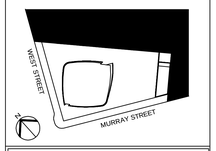
KITCHEN EXHAUST



NOTES:
METHOD OF HANGING, TYPE OR INSERT, BEAM CLAMP, ROD, ETC., MUST BE APPROVED BY STRUCTURAL ENGINEER.

TYPICAL FAN EQUIPMENT HANGING DETAIL

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MARSHALL
Exp. 12/31/15
APPROVED
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL DETAILS 4-7

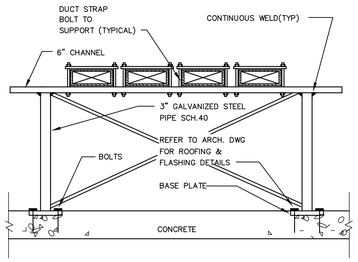
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-503.0
DWG NO.

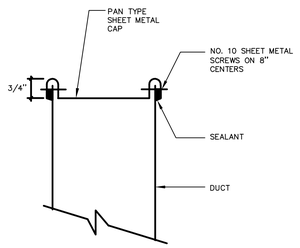
40 OF 43

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DDB\Mech\140006 - M-503.dwg SAVED ON 2/27/2015 5:23 PM PLOTTED ON 3/9/2015 3:18 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 321323.10 Job Number
E309565312276 Scan Code



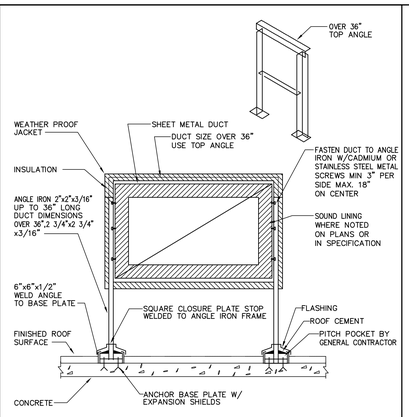
SINGLE DUCT SUPPORT DETAIL



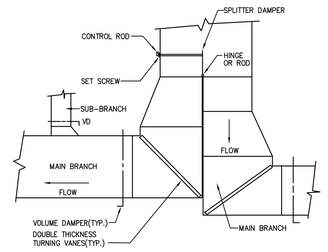
NOTES.

1. EXTEND AND PATCH INSULATION TO COVER CAP ON EXISTING INSULATED DUCTS
2. PROVIDE DUCT LINING ON CAP ON EXISTING LINED DUCTS.

DUCT CAPPING DETAIL

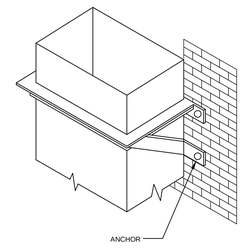


DETAIL OF SUPPORT AND INSULATION FOR ROOF MOUNTED DUCTWORK



DUCT CONNECTION DETAIL

SCALE : N.T.S.

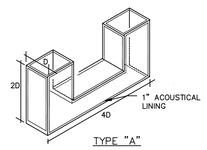


NOTE:

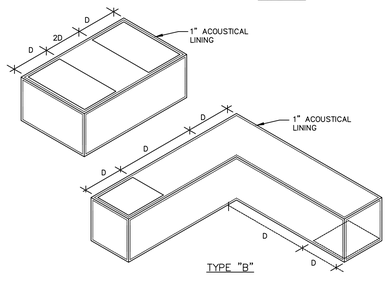
1. BRACKETS ARE SIZED FOR 12 FEET OF DUCT MAXIMUM.
2. LOCATE DUCTS AGAINST WALL OR MAXIMUM OF 2" AWAY FROM WALL.
3. EACH WALL ANCHOR SHALL SATISFY THE FOLLOWING CRITERIA UNLESS OTHER ANALYSIS IS MADE:
   A. TENSILE LOAD= 3/8 x DUCT WEIGHT; SAFETY FACTOR OF 4.
   B. SHEAR LOAD= 1/2 x DUCT WEIGHT; SAFETY FACTOR OF 4.

DUCT RISER SUPPORT DETAIL

NOTE:
INSTALL TRANSFER DUCT IN FULL HEIGHT PARATIONS ABOVE DOOR. SIZE FOR 300FPM VELOCITY

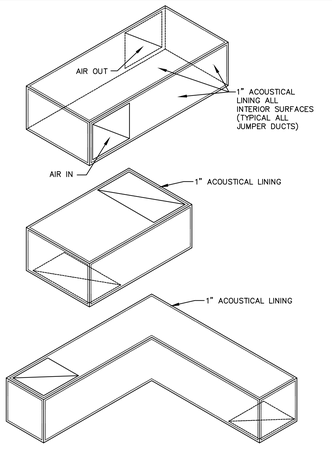


TYPE "A"



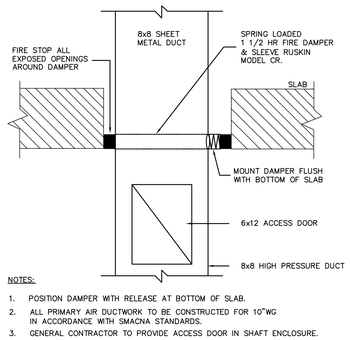
TYPE "B"

TRANSFER (JUMPER) DUCT TYPES



1

TRANSFER (JUMPER) DUCT TYPES

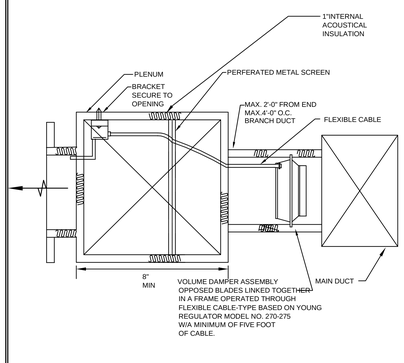


NOTES:

1. POSITION DAMPER WITH RELEASE AT BOTTOM OF SLAB.
2. ALL PRIMARY AIR DUCTWORK TO BE CONSTRUCTED FOR 10"WG IN ACCORDANCE WITH SMACNA STANDARDS.
3. GENERAL CONTRACTOR TO PROVIDE ACCESS DOOR IN SHAFT ENCLOSURE.
4. SHEET METAL CONTRACTOR SHALL FURNISH CONSTRUCTION CONTRACTOR WITH OPENING SIZES. ALL OPENINGS SHALL BE PACKED WITH SUITABLE FIRE RETARDANT MATERIAL.
5. ACCESS DOOR MUST BE LOCATED AS REQUIRED TO ENABLE RESETTING OF DAMPER. MORE THAN ONE DOOR MAY BE REQUIRED ON LARGE DUCTS.
6. FIRE DAMPER SHALL BE MOUNTED OUTSIDE OF AIR STREAM, SEE FLD DETAIL.

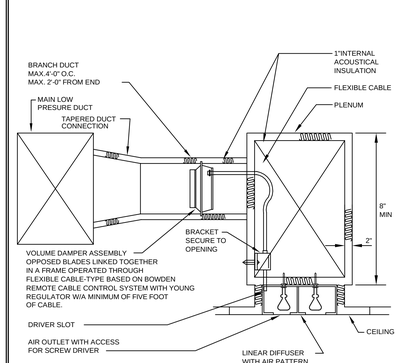
DETAIL TYPICAL PRIMARY AIR DUCT THROUGH SLAB

(NOT TO SCALE)



NOTE:
TYPICAL BRANCH DUCT TO BE MIN. 8"x6" UNLESS NOTED.

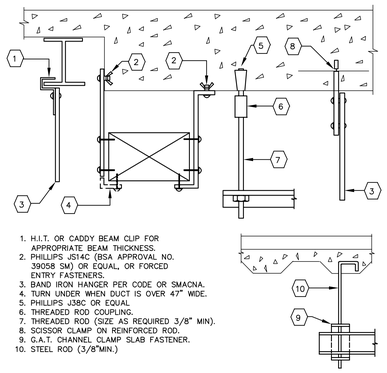
LINEAR/ GRILLE DIFFUSER DETAIL



NOTES:

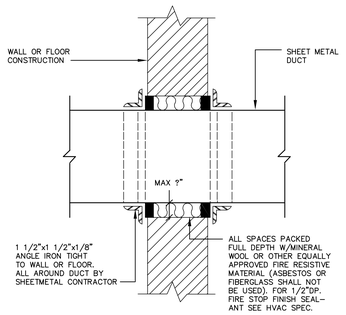
1.TYPICAL BRANCH DUCT TO BE MIN. 6"x6" (CLEAR DIMENSION) UNLESS NOTED.
2.COORDINATE DIFFUSER BORDER TYPES AND COLORS AND CEILING SUPPORTS WITH ARCHITECTURAL DRAWINGS.

LINEAR DIFFUSER DETAIL



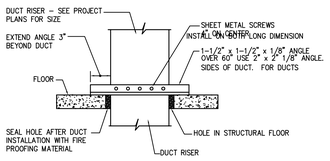
1. H.I.T. OR CADDY BEAM CLIP FOR APPROPRIATE BEAM THICKNESS.
2. PHILLIPS JS14C (BSA APPROVAL NO. 39058 SM) OR EQUAL, OR FORCED ENTRY FASTENERS.
3. BAND IRON HANGER PER CODE OR SMACNA.
4. TURN UNDER WHEN DUCT IS OVER 47" WIDE.
5. PHILLIPS JS8C OR EQUAL
6. THREADED ROD COUPLING.
7. THREADED ROD (SIZE AS REQUIRED 3/8" MIN).
8. SCISSOR CLAMP ON REINFORCED ROD.
9. G.A.T. CHANNEL CLAMP SLAB FASTENER.
10. STEEL ROD (3/8"MIN.)

METHOD OF HANGING DUCTWORK



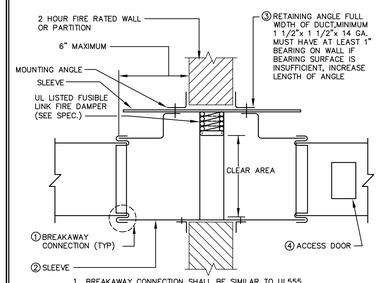
NOTE:
1. FOR WALLS REQUIRING FIRE DAMPERS, SEE OTHER DETAILS.

DETAIL OF CAULKING OF DUCT PIERCING WALLS OR FLOORS WHERE FIRE DAMPERS ARE NOT REQUIRED



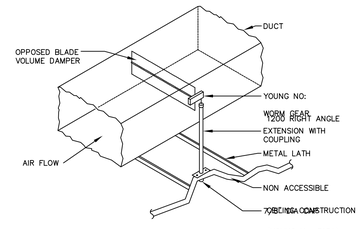
NOTES:
1. ALL DUCTWORK RISERS WHICH ARE RUN EXPOSED, SUCH AS THROUGH MEZZANINE FLOORS AND FAN ROOM FLOORS, SHALL BE PROVIDED WITH A 3" HIGH CONCRETE CURB AROUND OPENING FOR DUCT.
2. LOW PRESSURE DUCTWORK SHALL INCLUDE DUCTWORK OPERATING AT 2 INCHES W.G. OR LESS.

LOW PRESSURE DUCT RISER SUPPORT



1 BREAKAWAY CONNECTION SHALL BE SIMILAR TO UL555 SEC. 14.4 APPROVED TYPES, AND NFPA 90A.
2 SLEEVE MAY BE DUCT GAUGE IF UL555 CONNECTIONS ARE USED. SLEEVE SHALL BE 16 GA. UP TO 36"Wx24"H OR 14 GA. FOR LARGER SIZES.
3 SHEET METAL CONTRACTOR SHALL FURNISH CONSTRUCTION CONTRACTOR WITH OPENING SIZES. ALL OPENINGS SHALL BE PACKED WITH SUITABLE FIRE RETARDANT MATERIAL
4 ACCESS DOOR MUST BE LOCATED AS REQUIRED TO ENABLE RESETTING OF DAMPER. MORE THAN ONE DOOR MAY BE REQUIRED ON LARGE DUCTS.
5 DAMPER CLEAR OPEN AREA SHALL BE EQUAL TO INSIDE CLEAR DUCT DIMENSION OF CONNECTING DUCTS OR TRANSFER OPENING.
6 TYPE "B" OR "C" MOUNTING SHALL BE USED FOR ALL DAMPERS. TYPE "A" MOUNTING IS NOT PERMITTED.

AUTOMATIC FIRE DAMPERS (F.L.D.)



(YOUNG No. 315A)

NOTES:

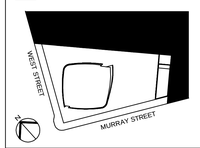
1. WHEN DAMPER IS LOCATED WITHIN 10' OF A DIFFUSER, OR WITHIN A LOBBY OR SPECIALTY SPACE (COORDINATE WITH ARCHITECT), VOLUME DAMPER ASSEMBLY SHALL BE OPERABLE THROUGH FACE OF NEAREST DIFFUSER, BY MEANS OF FLEXIBLE-CABLE BASED ON BOWDEN REMOTE CABLE CONTROL SYSTEM WITH YOUNG REGULATOR.
2. ALL OTHER NON-ACCESIBLE CEILING AREAS SHALL BE AS INDICATED.

VOLUME CONTROL DAMPER

FOR NON ACCESSIBLE CEILINGS ONLY

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Mech\140006 - M-504.dwg SAVED ON 2/27/2015 5:23 PM PLOTTED ON 3/9/2015 3:19 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

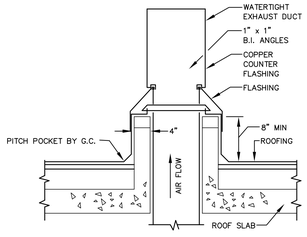
DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:

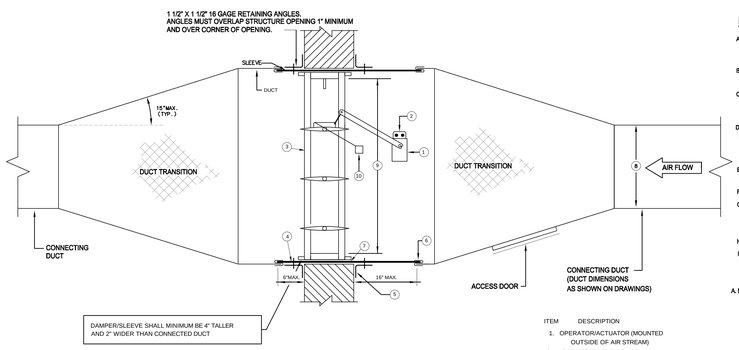
DWG TITLE:
MECHANICAL
DETAILS 5-7

SEAL & SIGNATURE:	DATE: 09/15/14
	PROJECT #: 140006
	SCALE: 1/4"=1'-0"
	M-504.0 DWG NO.

DEPT OF BLDGS 321323210 Job Number
E360384215X Scan Code



DUCT PENETRATION THRU ROOF



ELEVATION

FIRE/SMOKE DAMPER INSTALLATION DETAIL

NOTES:

A. COMBINATION FIRE AND SMOKE RATED DAMPERS ARE DESIGNED TO OPERATE WITH BLADES RUNNING HORIZONTALLY AND MUST BE INSTALLED WITHIN THE FIRE WALL DUCT OPENING.

B. DAMPERS SHALL BE INSTALLED PER THE CONDITION OF THEIR UL LISTING AND THE MANUFACTURER'S INSTALLATION INSTRUCTION.

C. DAMPER SHALL BE IN ACCORDANCE , UL 555S (LATEST EDITION) AND ALL REQUIREMENTS OF LOCAL AUTHORITIES HAVING JURISDICTION AND SHALL HAVE UL LABEL.

D. DAMPER ACTUATOR SHALL BE UL RATED FOR 350°F DAMPER SLEEVE SHALL NOT EXTEND MORE THAN 6" BEYOND THE FIRE WALL OR PARTITION AND NOT MORE THAN 18" ON THE OPERATOR/ACTUATOR SIDE.

E. CONTRACTOR SHALL SUBMIT STATIC PRESSURE LOSS THRU DAMPER AT OPERATING DUCT VELOCITIES.

F. PROVIDE ACCESS DOORS AS PER CODE AND SPECIFICATIONS.

G. THE MAXIMUM SINGLE DAMPER ASSEMBLY WHETHER SINGLE OR MULTI-SECTION MAY NOT EXCEED THE LIMIT AS CERTIFIED BY UL. WHERE MULTIPLE ASSEMBLIES ARE REQUIRED PROVIDE AN APPROVED MULLIONS (FOR MASONRY WALL APPLICATION ONLY)

H. SEE SPECS FOR ADDITIONAL REQUIREMENTS.

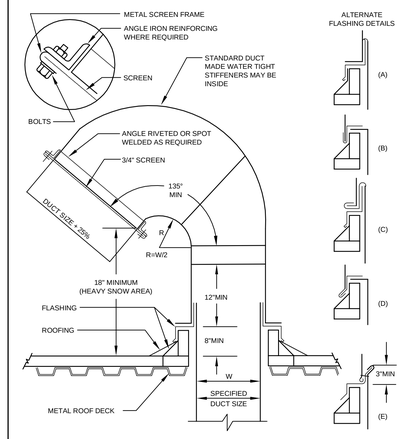
I. PROVIDE PRIMARY HEAT RESPONSIVE DEVICE, FOR SMOKE MANAGEMENT SYSTEM, PROVIDE PRIMARY AND SECONDARY HEAT RESPONSIVE DEVICES.

CONTROLS

A. NON SMOKE MANAGEMENT SYSTEM
WHERE F/SM DAMPERS ARE PART OF A FLOOR-BY-FLOOR AIR HANDLING OR FAN SYSTEM, DAMPERS SHALL BE INTERLOCKED WITH AIR HANDLING UNIT OPERATION. EACH DAMPER SHALL BE PROVIDED WITH END SWITCHES WHICH SHALL BE HARD WIRED AND STATUS CONFIRMED PRIOR TO MOTOR START OF AIR HANDLING UNIT.
WHERE F/SM DAMPERS ARE PART OF A CENTRAL AIR HANDLING OR FAN SYSTEM, DAMPER SHALL BE INTERLOCKED WITH AIR HANDLING UNIT OPERATION. EACH DAMPER SHALL BE PROVIDED WITH END SWITCHES WHICH SHALL BE HARD WIRED AND STATUS CONFIRMED PRIOR TO MOTOR START OF AIR HANDLING UNIT.
REFER TO SPECIFICATIONS FOR ADDITIONAL SYSTEM SEQUENCES.

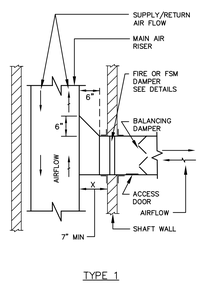
B. SMOKE MANAGEMENT
SAME AS ABOVE EXCEPT PROVIDE OVERRIDE CONTROL OF DAMPER THRU CENTRAL SMOKE MANAGEMENT OR FIRE ALARM SYSTEM. INCLUDE OVERRIDE OF LOW TEMPERATURE HEAT SENSOR FOR REOPENING DAMPER.
REFER TO SPECIFICATIONS FOR ADDITIONAL SYSTEM SEQUENCES.

ITEM	DESCRIPTION
1.	OPERATOR/ACTUATOR (MOUNTED OUTSIDE OF AIR STREAM)
2.	HEAT RESPONSIVE DEVICE (PRIMARY AND SECONDARY)
3.	DAMPER FRAME
4.	SLEEVE
5.	MOUNTING ANGLES
6.	UL LISTED BREAKAWAY CONNECTION
7.	CAULKING MATERIAL
8.	CONNECTING DUCT OPEN AREA
9.	DAMPER CLEAR OPEN AREA
10.	DAMPER END SWITCH

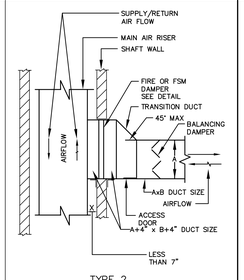


RECTANGULAR GOOSENECK

NO SCALE



TYPE 1

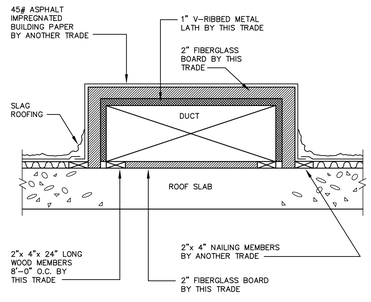


TYPE 2

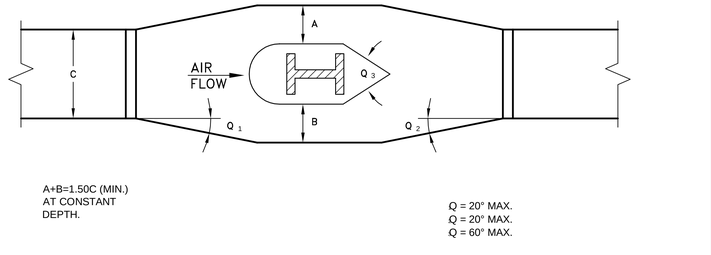
NOTES:
1. FOR UPWARD SUPPLY OR DOWNWARD RETURN AIR FLOW, REVERSE DIRECTION OF FLARE TRANSITION.
2. USE TYPE 1 IF "X" DIMENSION IS 7" OR GREATER.
3. USE TYPE 2 IF "X" DIMENSION IS LESS THAN 7".
4. FOR ROUND DUCTWORK–USE CONCENTRIC CONICAL CONNECTION FITTING.

FLARE TRANSITION FOR CONNECTION OF DUCT BRANCHES TO DUCT RISER THRU RATED WALLS

(TYPICAL FOR ALL BRANCHES)



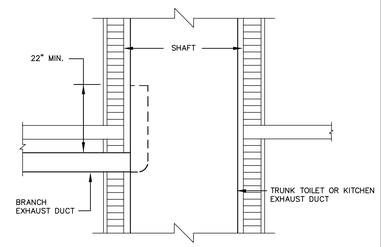
DETAIL OF INSULATED DUCTS ON ROOF



A+B=1.50C (MIN.) AT CONSTANT DEPTH.

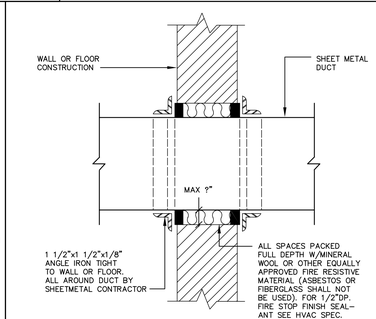
Q = 20° MAX.
Q = 20° MAX.
Q = 60° MAX.

OBSTRUCTION WITHIN DUCTWORK AND PLENUMS



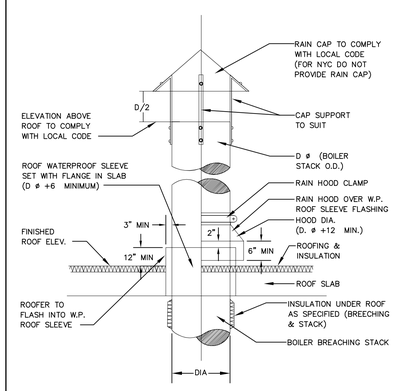
NOTE:
A) BOOT CONNECTIONS SHALL MEET ALL APPLICABLE CODE REQUIREMENTS.
B) EXHAUST FAN MUST RUN 24/7

TOILET OR KITCHEN EXHAUST BOOT CONNECTION DETAIL IN LIEU OF FIRE DAMPER



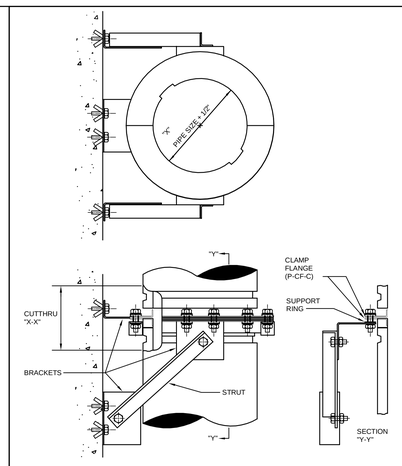
NOTE:
1. FOR WALLS REQUIRING FIRE DAMPERS, SEE OTHER DETAILS.

DETAIL OF CAULKING OF DUCT PIERCING WALLS OR FLOORS WHERE FIRE DAMPERS ARE NOT REQUIRED

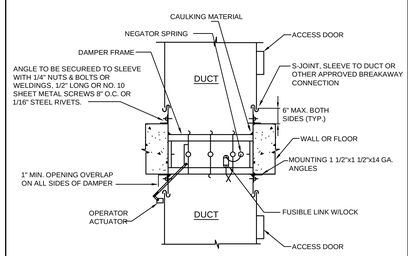


ELEVATION OF BOILER STACK

NO SCALE



EXHAUST FLUE RISER HANGER DETAIL



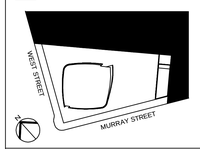
NOTES:
1. DRY WALL FRAMING AT DAMPERS MUST BE IN ACCORDANCE WITH WALL SYSTEM MANUFACTURER'S UL APPROVED DETAILS.
2. SHEET METAL SLEEVES TO BE 16 GA. FOR DAMPERS NOT EXCEEDING 24" HIGH OR 36" WIDE 14 GA. FOR LARGER SIZE DAMPERS.
3. FIRE DAMPERS ARE TO BE INSTALLED IN FULL ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS PER UL 555S.
4. FIRE/SMOKE DAMPER BS&# 176-92-SM AS MANUFACTURED BY RUSKIN.

FIRE/SMOKE DAMPER DETAIL IN VERTICAL DUCT

NO SCALE

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DDB\Mech\140006 - M-505.dwg SAVED ON 2/27/2015 5:22 PM PLOTTED ON 3/9/2015 3:19 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

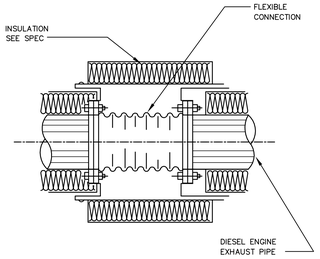
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MARSHALL
Professional Engineer
No. 075345
Mechanical
NYS PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL DETAILS 6-7

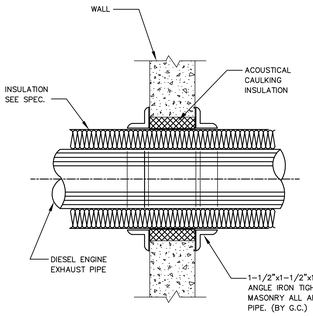
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-505.0
DWG NO.

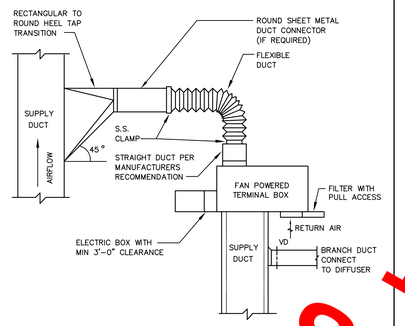
DEPT OF BLDGS 421133210 Job Number
B1625054Z095 Scan Code



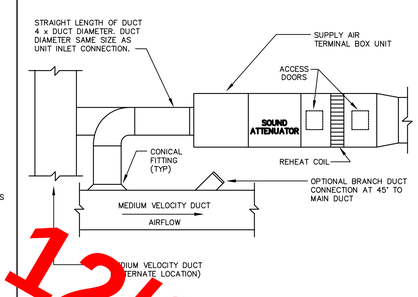
EXHAUST PIPE
FLEXIBLE CONNECTION DETAIL



EXHAUST PIPE PENETRATION



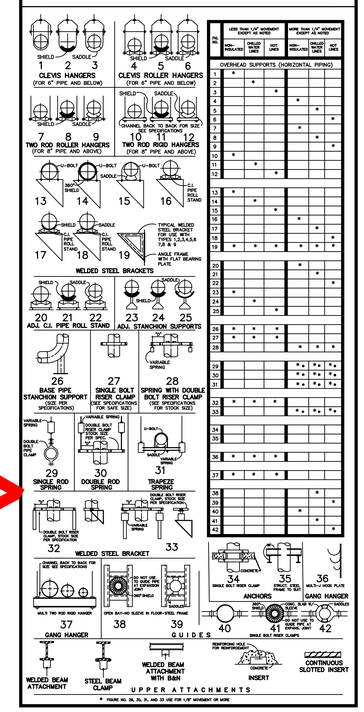
TYPICAL FAN-POWERED
TERMINAL UNIT CONNECTION DETAIL



TYPICAL AIR TERMINAL BOX
UNIT INLET DUCT CONNECTION DETAIL

12/08/2017
Superseded

PIPE HANGER & SUPPORT SCHEDULE



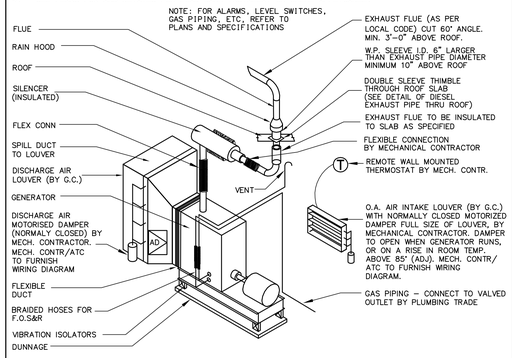
NOTES:

1. GENERATOR UNIT AND CONTROLS AND WIRING LOCAL TO THE GENERATOR SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNDER ANOTHER DIVISION OF THIS WORK (SEE ELECTRICAL DRAWINGS AND SPECIFICATIONS). SILENCER AND FLEXIBLE EXHAUST PIPE CONNECTIONS TO BE FURNISHED BY ELECTRICAL CONTRACTOR AND INSTALLED BY THE MECHANICAL CONTRACTOR. ALL APPURTENANCES NECESSARY FOR A COMPLETE FUNCTIONING SYSTEM SHALL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR, INCLUDING EXHAUST THROUGH ROOF, DUCT CONNECTIONS TO RADIATOR, MAKEUP AIR AND EXHAUST LOUVERS, GAS PIPING, VENT PIPING, ETC. SEE DAY TANK DETAILS FOR ADDITIONAL REQUIREMENTS. SILENCER TO BE INSTALLED ON STEEL SADDLES.

1. EQUIPMENT AND PANEL LOCATIONS IN GENERATOR ROOM/VICINITY SHALL BE COORDINATED BY THE ELECTRICAL AND MECHANICAL CONTRACTORS TO RETAIN ACCESS FOR OPERATION, MAINTENANCE, AND CODE REQUIREMENTS.

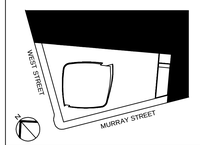
3. GENERATOR MANUFACTURER & ELECTRICAL CONTRACTOR TO CHECK AND VERIFY THAT ALL EQUIPMENT, INCLUDING ITEMS DUCTED, WIRED, PIPED, ETC BY OTHERS, WILL SUIT THE SAFE OPERATION OF THE GENERATOR EQUIPMENT AT FULL LOAD, AND CONFIRM THIS IN WRITING WITH THE SHOP DRAWING SUBMITTALS.

4. SEE PLANS FOR AND DETAILS FOR LOAD BANK INSTALLATION WHERE APPLICABLE.



EMERGENCY GENERATOR SCHEMATIC DIAGRAM
GAS FIRED, INDOOR INSTALLATION
(NOT TO SCALE)

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MARSHALL
APPROVED
NYC DEPARTMENT OF BUILDINGS
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
MECHANICAL
DETAILS 7-7

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
M-506.0
DWG NO.
43 OF 43

FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DDB\Mech\140006 - M-506.dwg SAVED ON 2/27/2015 5:25 PM PLOTTED ON 3/9/2015 3:20 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 321313310 Job Number
E5791276958 Scan Code

NEW YORK CITY BUILDING DEPARTMENT PLUMBING NOTES

THE PLUMBING SYSTEMS (SANITARY, WASTE, VENT, WATER DISTRIBUTION, AND GAS) AND ALL ASSOCIATED EQUIPMENT WILL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE FULL REQUIREMENTS OF THE NEW YORK CITY PLUMBING CODE. COMPLIANCE WITH THE FULL PROVISIONS OF ALL NEW YORK CITY BUILDING AND PLUMBING CODE ACCESSIBILITY REQUIREMENTS AND PLUMBING FIXTURE FLOW REQUIREMENTS OF THE NEW YORK CITY PLUMBING CODE.

1. THE SANITARY SYSTEM SHALL BE PROVIDED IN FULL ACCORDANCE WITH THE GENERAL PROVISIONS OF SECTION PC301.
2. THE MATERIALS USED IN THE PLUMBING SYSTEMS WILL BE PROVIDED IN FULL ACCORDANCE WITH SECTIONS PC302 AND PC303.
3. EQUIPMENT HOOK-UP AND THE JOINING WILL BE FULL COMPLIANCE WITH SECTIONS PC605 AND PC705.
4. THE INSTALLATION OF FIXTURES WILL BE IN FULL ACCORDANCE WITH PC CHAPTER 4.
5. TRAPS FOR FIXTURES AND DRAIN LINES WILL BE PROVIDED AND CLEANOUTS INSTALLED IN FULL COMPLIANCE WITH SECTIONS PC412, PC708 AND PC CHAPTER 10.
6. VERTICAL AND HORIZONTAL PIPING WILL BE HUNG AND SUPPORTED AS DIRECTED IN SPECIFICATIONS AND WITH THE FULL COMPLIANCE WITH SECTION PC606.
7. THE WATER SUPPLY SYSTEMS OF THE SUBJECT BUILDING SHALL BE INSTALLED AND MAINTAINED IN FULL COMPLIANCE WITH PC CHAPTER 6.
8. THE SANITARY DRAINAGE SYSTEM WILL BE SIZED AND INSTALLED IN FULL COMPLIANCE WITH PC CHAPTER 7.
9. THE VENT PIPING FOR THE SANITARY DRAINAGE SYSTEM OF THE SUBJECT BUILDING WILL BE INSTALLED IN FULL COMPLIANCE WITH SECTION PC702 & PC CHAPTER 9.
10. THE STORM DRAINAGE SYSTEM AND PIPING WILL BE INSTALLED IN FULL COMPLIANCE WITH PC CHAPTER 11.
11. GAS PIPING AND EQUIPMENT WILL BE INSTALLED IN FULL COMPLIANCE WITH THE NEW YORK CITY FUEL GAS CODE.
12. ALL TRENCHING SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION PC306.
13. RAT PROOFING SHALL BE IN ACCORDANCE WITH SECTION PC304.
14. TEMPORARY TOILET FACILITIES SHALL BE PROVIDED FOR CONSTRUCTION PERSONNEL AS PER SECTION PC311.
15. ALL PLUMBING FIXTURES INSTALLED SHALL BE IN COMPLIANCE WITH 2008 NYC PLUMBING CODE INCLUDING PC TABLE 403.8

PLUMBING INSTALLATION CRITERIA

EACH BIDDER SHALL VISIT THE SITE AND BECOME INFORMED AS TO THE CONDITION OF THE PREMISES AND THE EXTENT AND CHARACTER OF WORK REQUIRED. NO ADDITIONAL COMPENSATION WILL BE APPROVED DUE TO FIELD CONDITIONS.

1. PROVIDE ROUGH-IN AND FINAL CONNECTIONS FOR ALL PLUMBING FIXTURES INCLUDING WASTE, VENTS, HOT AND COLD WATER, AND PROVIDE ALL PLUMBING WORK NECESSARY TO MAKE THE PANTRY, ELECTRIC WATER COOLER(S) BATH, ETC. ENTIRELY OPERABLE AND ACCEPTABLE TO LOCAL HEALTH AND BUILDING OFFICIALS.
2. PLUMBING CONTRACTOR SHALL LOCATE ALL PIPING AND PLUMBING ROUGH-IN FOR PLUMBING FIXTURES IN ACCORDANCE WITH ROUGH-IN DRAWINGS PROVIDED BY EQUIPMENT MANUFACTURERS.
3. ALL VISIBLY EXPOSED PIPE TO EQUIPMENT SHALL BE CHROME PLATED BRASS.
4. PROVIDE SHUT-OFF VALVES FOR EACH PLUMBING FIXTURE AND PIECE OF EQUIPMENT.
5. PROVIDE TRAPS ON ALL WASTE PIPING FROM PLUMBING FIXTURES AND PIECE OF EQUIPMENT.
6. COORDINATE POSITION OF SLEEVES AND OPENINGS THROUGH FLOOR WITH THE GENERAL CONTRACTOR.
7. PROVIDE VACUUM BREAKERS AND CHECK VALVES FOR THE PLUMBING FIXTURES WHERE AND WHEN REQUIRED BY CODE.
8. ALL PIPING AND EQUIPMENT SHALL BE SUBSTANTIALLY SUPPORTED FROM THE BUILDING STRUCTURE. HANGER AND SUPPORTS SHALL BE SPECIFICALLY APPROVED FOR USE IN PLUMBING SYSTEMS.
   A. WHERE OVERHEAD CONSTRUCTION DOES NOT PERMIT FASTENING OF HANGER RODS IN REQUIRED LOCATIONS, PROVIDE ADDITIONAL STEEL FRAMING AS REQUIRED AND APPROVED.
   B. NO PLUMBING PIPING SHALL BE HUNG FROM THE PIPING OF OTHER TRADES OR DUCTWORK. HANGERS SHALL BE OF HEAVY CONSTRUCTION, SUITABLE FOR THE SIZE OF PIPE TO BE SUPPORTED.
9. PLUMBING FIXTURES TO BE APPROVED BY THE GENERAL CONTRACTOR AND INSTALLED BY THE PLUMBING CONTRACTOR.
10. PLUMBING FIXTURES SHALL BE AS SPECIFIED BY ARCHITECT WHERE INDICATED.

PLUMBING SPECIFICATIONS FOR UNDERGROUND WORK

1. REFERENCE TO GENERAL CONDITIONS
   A. PERFORM THE WORK IN ACCORDANCE WITH THE REQUIREMENTS OF THE GENERAL CONDITIONS.
2. GENERAL
   A. COORDINATE WORK WITH ALL OTHER TRADES AND EXISTING CONDITIONS OF THE JOB SITE AND MAINTAIN REQUIRED CEILING HEIGHTS AND SPACE CONDITIONS.
   B. PROVIDE ALL MATERIAL, EQUIPMENT, SERVICES, LABOR AND TESTS NECESSARY FOR COMPLETE EXECUTION OF THE PLUMBING WORK IN ACCORDANCE WITH THE GOVERNING CODES AND AUTHORITIES.
3. CODES, PERMITS AND INSPECTIONS
   A. ALL WORK SHALL MEET OR EXCEED THE LATEST REQUIREMENTS OF ALL NATIONAL, STATE, COUNTY, MUNICIPAL AND OTHER AUTHORITIES EXERCISING JURISDICTION OVER CONSTRUCTION WORK AT THE PROJECT.
   B. ALL REQUIRED PERMITS AND INSPECTION CERTIFICATES SHALL BE OBTAINS, PAID FOR, AND MADE AVAILABLE AT THE COMPLETION OF THE WORK.
4. TESTS
   A. BEFORE AN APPLICATION FOR FINAL ACCEPTANCE OF THE WORK WILL BE CONSIDERED, ALL TESTS DEEMED NECESSARY TO SHOW PROPER EXECUTION OF THE WORK SHALL HAVE BEEN PERFORMED AND COMPLETED IN THE PRESENCE OF AN ARCHITECT/OWNER'S REPRESENTATIVE, SCHEDULING OF ALL TESTING PROCEDURES SHALL BE ARRANGED TO SUIT THE CONVENIENCE OF THE ARCHITECT AND/OR OWNERS REPRESENTATIVE.
5. GUARANTEES AND CERTIFICATES
   A. ALL WORK SHALL BE GUARANTEED TO BE FREE FROM LEAKS OR DEFECTS. ANY DEFECTIVE MATERIALS OR WORKMANSHIP AS WELL AS DAMAGE TO THE WORK OF ALL TRADES RESULTING FROM SAME SHALL BE REPLACED OR REPAIRED AS DIRECTED FOR THE DURATION OF STIPULATED GUARANTEED PERIODS. THE DURATION OF GUARANTEE PERIODS SHALL BE ONE YEAR.
6. MISCELLANEOUS

   PROVIDE THE FOLLOWING:
   - SCAFFOLDING, RIGGING, HOISTING.
   - CUTTING AND PATCHING.
   - RUBBISH REMOVAL.
   - SLEEVES AND OPENINGS
   - CAULKING, PACKING AND FILLING OF SLEEVES & OPENINGS.
   - OBTAINING ALL REQUIRED PERMITS, APPROVALS AND INSPECTION CERTIFICATES.
   - GUARANTEE ALL WORK, LABOR AND MATERIALS FOR ONE YEAR FOLLOWING DATE OF ACCEPTANCE.
   - OPERATING AND MAINTENANCE INSTRUCTIONS.
   - VERIFYING EXISTING CONDITIONS AT THE PROJECT SITE.
   - SPARE PARTS AND TOOLS.
   - TEST: OPERATING, PERFORMANCE AND CODE REQUIRED TESTS.
   - PROTECTION OF WORK DURING CONSTRUCTION.
   - COORDINATION WITH OTHER TRADES.
   - CLEANING.
   - HANGER AND SUPPORTS FOR PIPING AND EQUIPMENT.
   - COMPLIANCE WITH MATERIALS AND EQUIPMENT DIVISION (M.E.A.) OF N.Y.C.
7. PIPING MATERIALS

SYSTEM	PIPING	FITTING	MISC.
UNDERSLAB SOIL, WASTE, VENT & DRAINS	HUB & PLAIN END, CAST IRON SOIL PIPE	GASKETED ELASTO-MERIC NEOPRENE JOINTS CAST IRON SOIL HUB & PLAIN END	HUNG FROM STRUCTURAL SLAB

8. INSTALLATION
   A. INSTALL UNDERGROUND PIPING WITH THE FOLLOWING SLOPES:
      i. 1/8" PER FT. FOR PIPING 3" AND LARGER.
      ii. 1/4" PER FT. FOR PIPING 2" AND SMALLER.

NOTES:

1. PROVIDE TRAP PRIMERS FOR ALL FLOOR DRAINS THAT ARE NOT RECEIVING CONSTANTLY WASTE WATER AS REQUIRED BY CODE
2. PROVIDE SHOCK ABSORBERS FOR ALL FAST CLOSING VALVES.
3. ALL COMPONENTS OF THE STORM DRAINAGE SYSTEM LOCATED BELOW THE SECOND FLOOR (PIPING, TANKS, PUMPS) SHALL BE CAPABLE OF WITHSTANDING MINIMUM 30PSI OF HYDROSTATIC PRESSURE. ALL ACCESS TO THE TANKS TO BE PROVIDED VIA PRESSURE MANHOLES RATED FOR MINIMUM 30PSI.

2011 NYC ENERGY CONSERVATION CODE NOTES:

STATEMENT OF COMPLIANCE:

TO THE BEST OF MY KNOWLEDGE, BELIEF, AND PERSONAL JUDGEMENT, THESE PLANS AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE 2011 NEW YORK CITY ENERGY CONSERVATION CODE.

MANDATORY PROVISIONS:

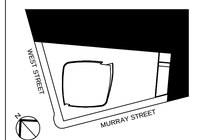
1. WATER HEATING EQUIPMENT AND HOT WATER STORAGE TANKS SHALL MEET THE REQUIREMENTS OF TABLE 504.2 IN THE 2011 NYC ECC. (NYC ECC 504.2)
2. SERVICE WATER HEATING EQUIPMENT SHALL BE PROVIDED WITH CONTROLS ALLOWING A SETPOINT OF 110 DEGREES F FOR DWELLING UNITS AND 90 DEGREES F FOR OTHER OCCUPANICES. PUBLIC REST ROOM LAVATORIES SHALL HAVE A MAXIMUM OUTLET TEMPERATURE OF 110 DEGREES F. (NYC ECC 504.3)
3. WHERE WATER HEATING EQUIPMENT SERVING NONCIRCULATING SYSTEMS IS NOT SUPPLIED WITH INTEGRAL HEAT TRAPS, HEAT TRAPS SHALL BE PROVIDED ON THE SUPPLY AND DISCHARGE PIPING. (NYC ECC 504.4)
4. AUTOMATIC CIRCULATING HOT WATER SYSTEM PIPING SHALL BE INSULATED WITH 1 INCH OF INSULATION WITH A CONDUCTIVITIY NOT EXCEEDING 0.27 BTU PER INCH/H X FT X FT X DEGREE F, OR THE INSULATION REQUIREMENTS OF SPECIFICATION SECTION 22 07 19, WHICHEVER IS GREATER. THE FIRST 8 FEET OF PIPING IN NONCIRCULATING SYSTEMS WITH EQUIPMENT WITHOUT INTEGRAL HEAT TRAPS SHALL BE INSULATD WITH 0.5 INCH OF MATERIAL HAVING A CONDUCTIVITY NOT EXCEEDING 0.27 BTU PER INCH/H X FT X FT X DEGREE F, OR THE INSULATION REQUIREMENTS OF SPECIFICATION SECTION 22 07 19, WHICHEVER IS GREATER. (NYC ECC 504.5)
5. AUTOMATIC CIRCULATING HOT WATER SYSTEM PUMPS AND HEAT TRACE SHALL AUTOMATICALLY TURN OFF WHEN THE SYSTEM IS NOT IN OPERATION. (NYC ECC 504.6)
6. THIS PROJECT HAS NO POOLS. (NYC ECC 504.7)

KEY OF SYMBOLS

NOTE: THE KEY OF SYMBOLS INDICATED IS FOR CONVENIENCE ONLY AND ITEMS INDICATED ARE NOT NECESSARILY WITHIN THE SCOPE OF THE WORK.

	SOIL OR WASTE PIPING (S) (W)	A.B.D.	AUTOMATIC BALL DRIP
	SOIL OR WASTE PIPING BELOW GROUND	A.D.	ACCESS DOOR
L	LEADER (L) (LDR)	A. DR.	AREA DRAIN
IW	INDIRECT WASTE	B.T.	BATH TUB
	VENT PIPING	C.D.	CANOPY DRAIN
	EXISTING PIPING TO BE REMOVED	C.F.H.	CUBIC FEET PER HOUR
	EXISTING PIPING TO REMAIN	C.F.M.	CUBIC FEET PER MINUTE
C	COLD WATER PIPING (C.W.)	C.F.S.	CUBIC FEET PER SECOND
H	HOT WATER PIPING (H.W.)	CLG.	CEILING
HC	HOT WATER CIRCULATING PIPING (H.W.C.)	C.O.	CLEANOUT
G	GAS PIPING (G)	C.O.D.P.	CLEAN OUT DECK PLATE
F	FIRE STANDPIPE PIPING (F) (FSP)	C.V.	CHECK VALVE
PD	PUMP DISCHARGE PIPING (P.D.)	C.V.B.	CHECK VALVE BOX
SP	SPRINKLER PIPING (SP.)	D.I.	DROP INLET
	GATE VALVE (G.V.)	D.F.	DRINKING FOUNTAIN
	LOCKSHIELD VALVE (GLOBE VALVE)	DN.	DOWN
	PLUG COCK	EL.	ELEVATION
	CHECK VALVE (C.V.)	E.W.C.	ELECTRIC WATER COOLER
	HOSE BIBB (H.B.) SILL COCK (S.C.)	F.A.I.	FRESH AIR INLET
	VACUUM BREAKER (V.B.)	F.D. FL. DR.	FLOOR DRAIN
	PRESSURE RELIEF VALVE PRESS. & TEMP. RELIEF VALVE	FL.	FLOOR
	PRESSURE REGULATING VALVE	F.O.	FLOOR OUTLET
	STRAINER	F.U.	FIXTURE UNITS
	"P" TRAP FOR LAV., SINK, ETC.	FUN. DR.	FUNNEL DRAIN
	CLEANOUT DECK PLATE (C.O.D.P.)	F.V.	FLUSH VALVE FLUSHOMETER
	SHOCK ABSORBER	G.C.	GENERAL CONTRACTOR
	ANCHOR	G.V.	GATE VALVE
	GUIDE	H.C.	HUNG CEILING
	PRESSURE GAUGE	H.R.	HOSE RACK
	THERMOMETER	INV.	INVERT
	TEMPERATURE REGULATOR	LAV.	LAVATORY
	WALL HYDRANT (W.H.)	MH.	MANHOLE
	YARD HYDRANT (Y.H.) (D.H.)	M.S.	MOP SINK
	PIPING COVERED WITH ELECTRIC HEAT TRACING CABLE AND INSULATION	N.I.C.	NOT IN CONTRACT
	UNION CONNECTION	O.S.&Y.	OUTSIDE SCREW & YOKE
	EXPANSION JOINT	P.C.	PLUG COCK
	AUTOMATIC AIR VENT VALVE	P.O.	PLUGGED OUTLET
	STACK & RISER SYMBOLS	R.P.B. F.P.	REDUCED PRESSURE BACKFLOW PREVENTER
P/X	SOIL WASTE & VENT STACKS & WATER RISERS	R.D.	ROOF DRAIN
L/X	STORM LEADER	R.T.	RUNNING TRAP
G/X	GAS RISER	R.C.V.	RISER CONTROL VALVE
		S.P.O.	SOIL PLUGGED OUTLET
		S.H.	SHOWER HEAD
		SH.-SHWR.	SHOWER
		SK.	SINK
		S.S.	SERVICE SINK
		S.E.	SEWAGE EJECTOR
		T.D.	TERRACE DRAIN
		T.E.	TERRACE ELEVATION
		T.S.	TAMPER SWITCH
		UR.	URINAL
		U.O.S.W.	UNDER ANOTHER SECTION OF THE WORK
		VAL. O. V.O.	VALVED OUTLET
		V.T.R.	VENT THRU ROOF
		V.P.O.	VENT PLUGGED OUTLET
		W.C.	WATER CLOSET

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
4	03/09/15	DOB ISSUE
3	02/13/15	DOCUMENT ISSUE NO.7
2	01/09/15	DOCUMENT ISSUE NO.4
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171
THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN: N.T.S.
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK — GEORGE W. MARSHALL — LICENSED PROFESSIONAL ENGINEER
APPROVED
NYC DEPARTMENT OF BUILDINGS

DWG TITLE:
PLUMBING SYMBOLS AND GENERAL NOTES

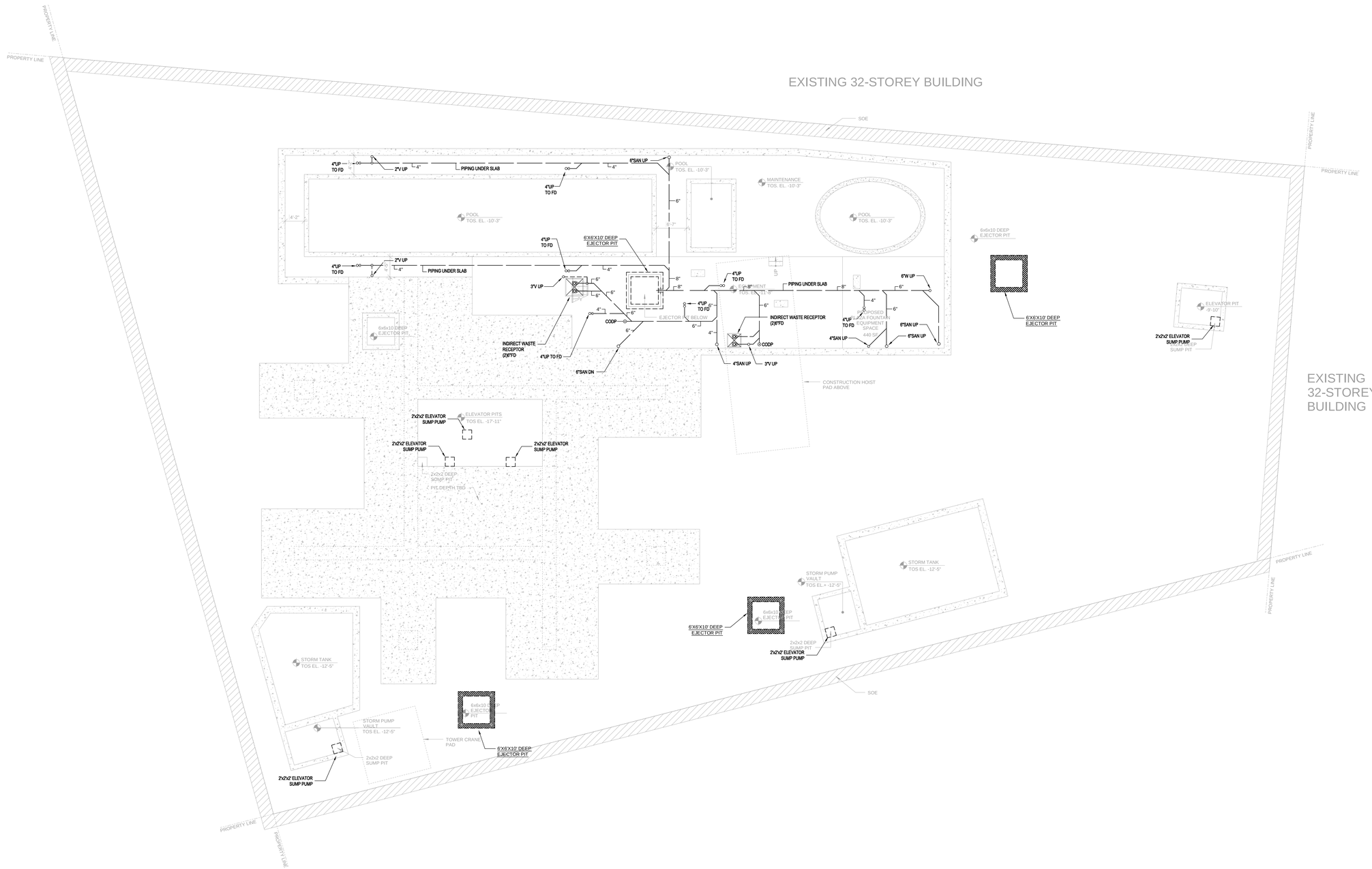
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: N.T.S.
P-001.00
DWG NO.

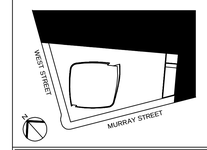
1 OF 41

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-001-Cover.dwg SAVED ON 2/27/2015 3:59 PM PLOTTED ON 3/9/2015 3:21 PM PLOTTED BY ISRAEL YOUSSEF

DEPT OF BLDGS 421323 10 Job Number
B327 2603185 Scan Code



KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
4	03/09/15	DOB ISSUE
3	02/13/15	DOCUMENT ISSUE NO.7
2	01/09/15	DOCUMENT ISSUE NO.4
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
MICHAEL W. MANGINI
APPROVED
Under Directive 14 of the City Construction Code
NYC Buildings
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
PLUMBING
LOWER CELLAR
UNDERGROUND PLAN

SEAL & SIGNATURE:

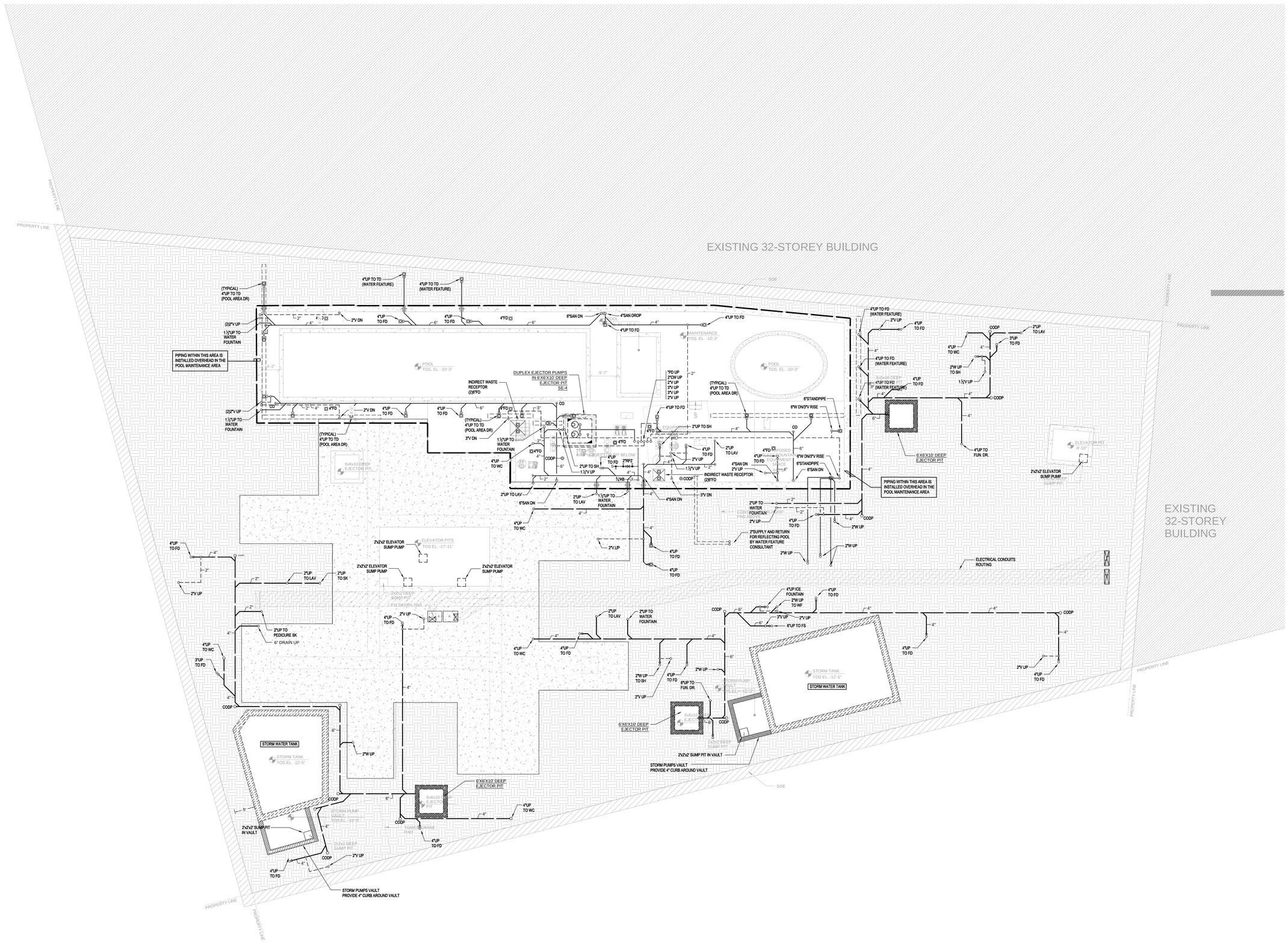
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/8"=1'-0"

P-100.00
DWG NO.

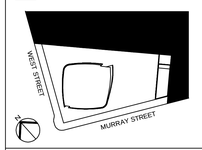
2 OF 41

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-100-LOWER CELLAR UNDERGROUND.dwg SAVED ON 2/27/2015 358 PM PLOTTED ON 3/9/2015 322 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 421132310 Job Number
K577800928B Scan Code



KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
4	03/09/15	DOB ISSUE
3	02/13/15	DOCUMENT ISSUE NO.7
2	01/09/15	DOCUMENT ISSUE NO.4
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
SHAQAT W. MAHSIN
APPROVED
Borough Commissioner
NYC DEPARTMENT OF BUILDINGS
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
PLUMBING - CELLAR UNDERGROUND AND LOWER CELLAR PLAN

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/8"=1'-0"

P-101.00
DWG NO.

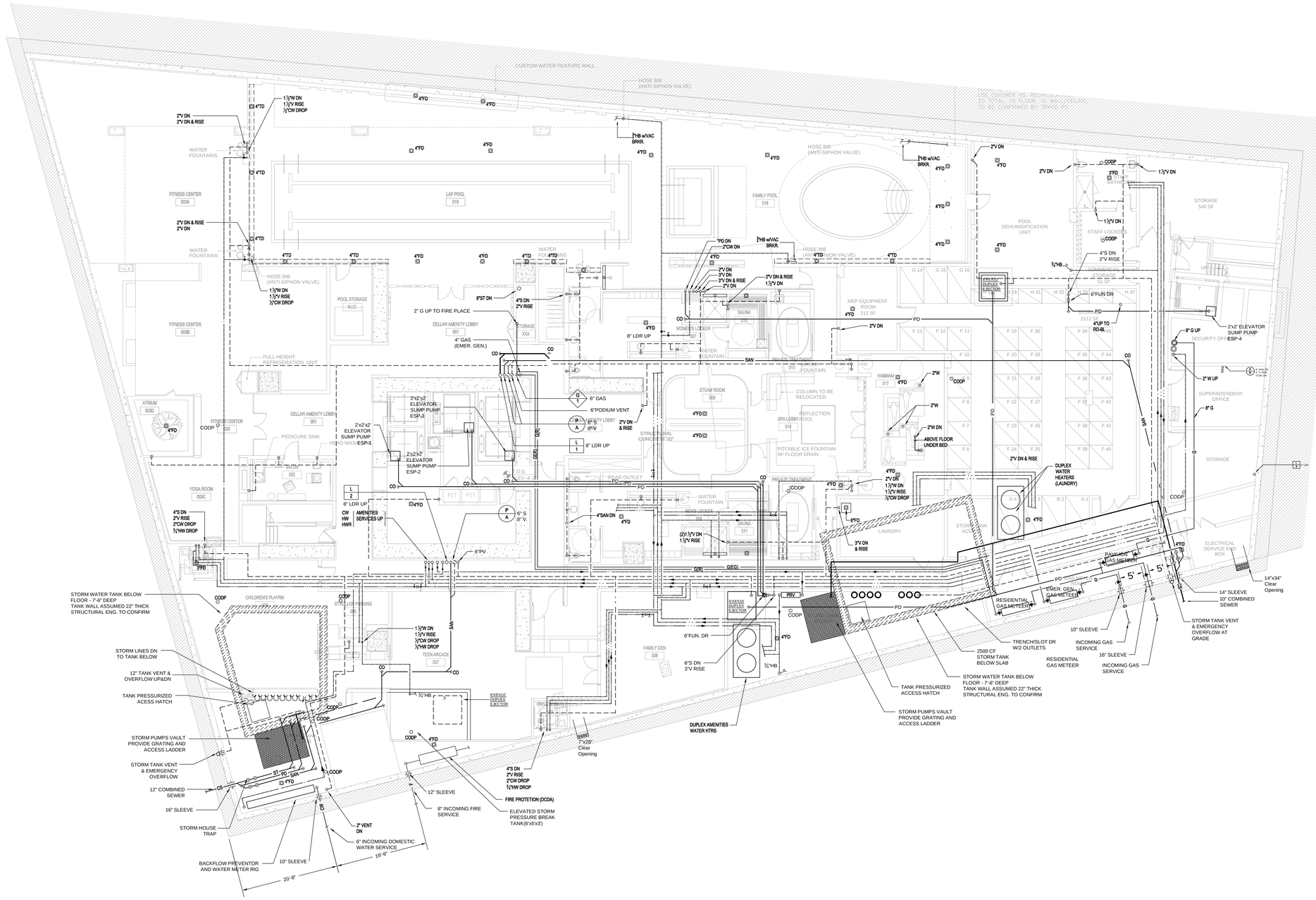
3 OF 41

FILE NAME i:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-101-CELLAR UNDERGROUND AND LOWER CELLAR.dwg SAVED ON 2/27/2015 3:58 PM PLOTTED ON 3/9/2015 3:22 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 421323310 Job Number
ES547377150 Scan Code

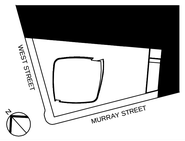
GENERAL NOTES:

1. FOR STORM PIPING LAYOUT ON THIS FLOOR SEE DRAWING P-103



FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DDB\Plumb\140006 - P-102-CELLAR-ND-STORM.dwg SAVED ON 2/27/2015 3:58 PM PLOTTED ON 3/9/2015 3:23 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

WITKOFF

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6106

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
State of New York
Approved
Date: 3/9/2015
NYC Department of Buildings

DWG TITLE:
PLUMBING
CELLAR

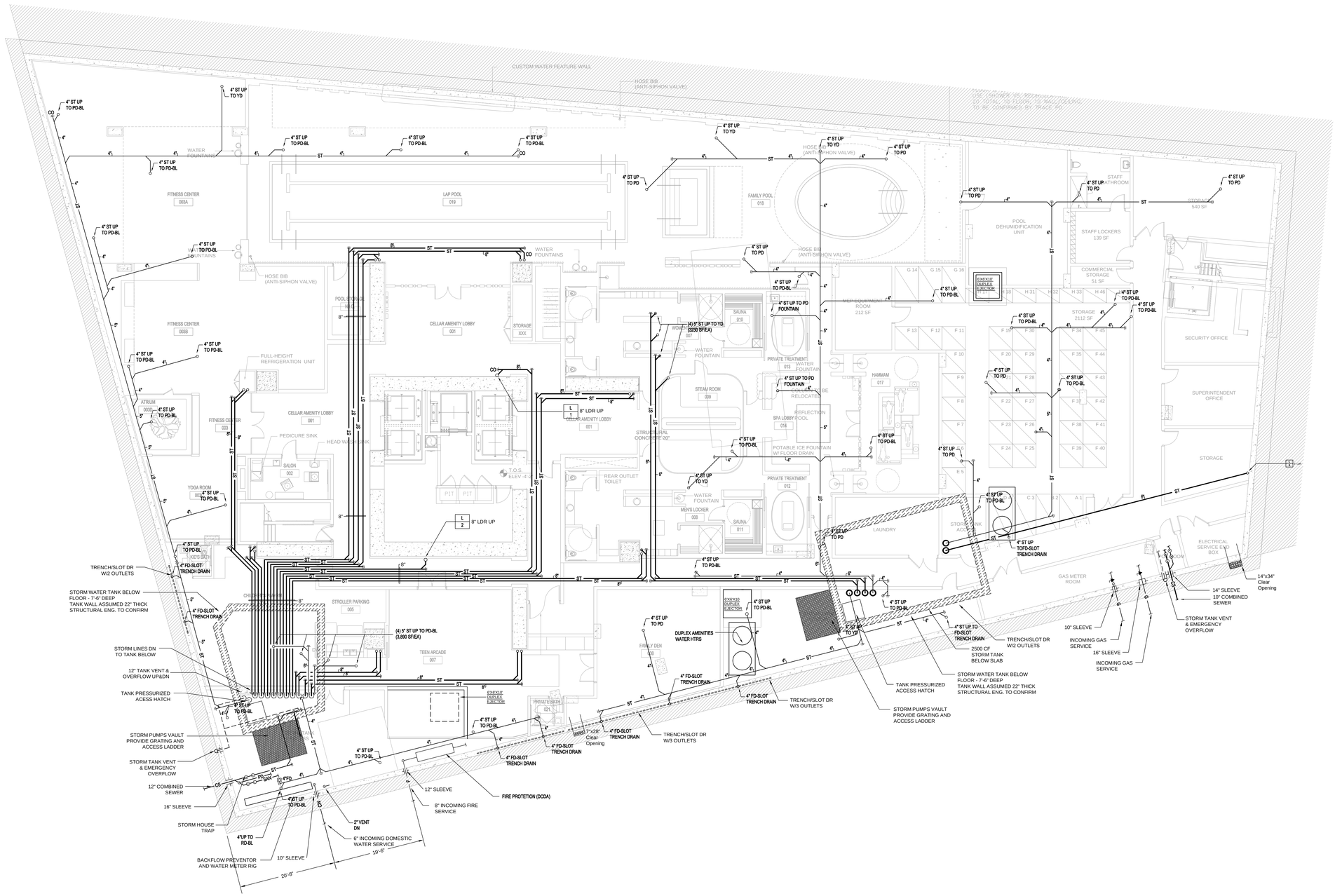
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/8"=1'-0"
P-102.00
DWG NO.

DEPT OF BLDGS 321323.10 Job Number
B320A2S7R Scan Code

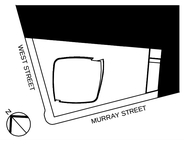
GENERAL NOTES:

1. FOR ALL PLUMBING SYSTEMS ON THIS FLOOR, EXCEPT THE STORM PIPING LAYOUT SEE DRAWINGS P-102



FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-103-CELLAR-STORM.dwg SAVED ON 2/27/2015 358 PM PLOTTED ON 3/9/2015 323 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

WITKOFF

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6106

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

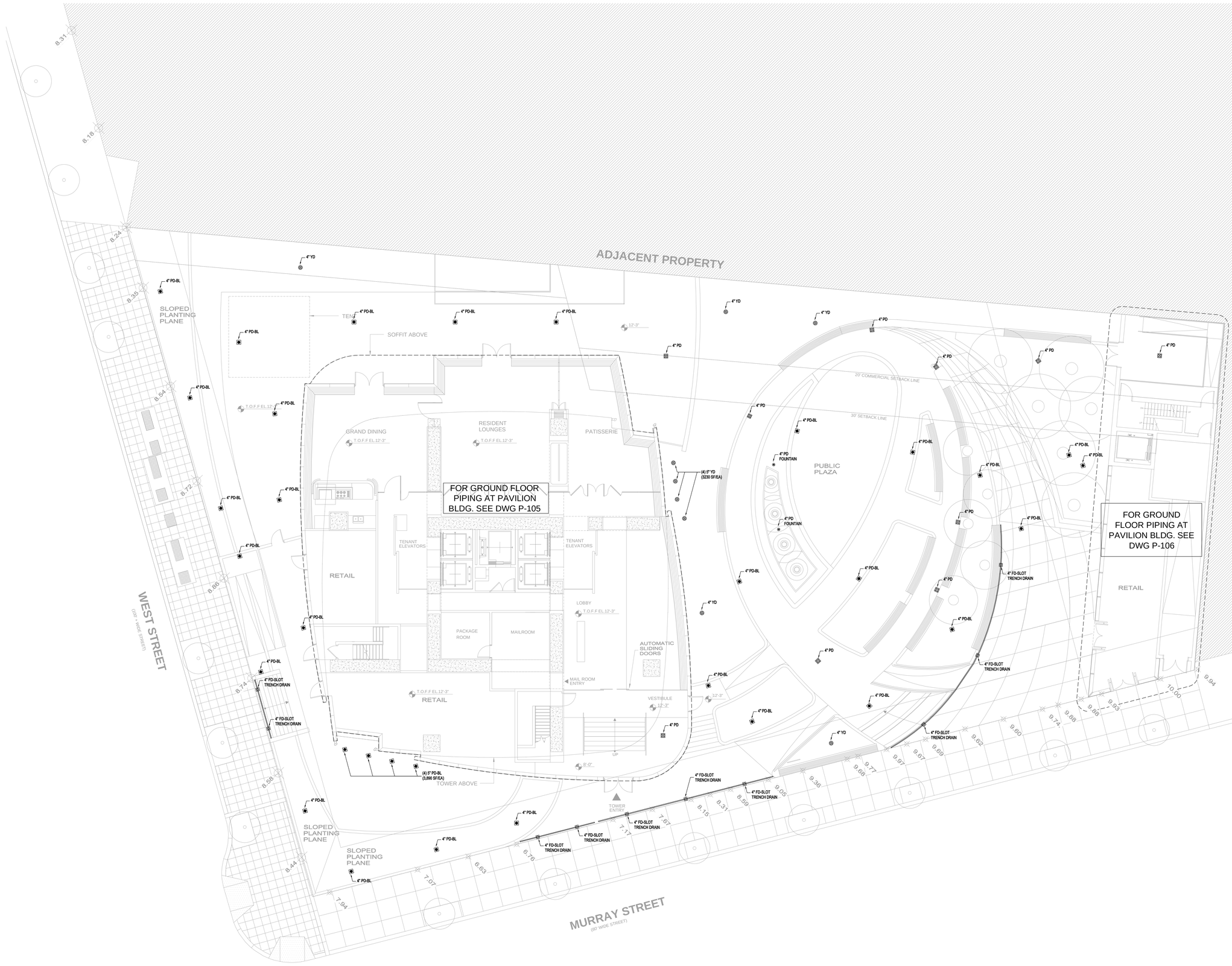
DOB STAMPS & SIGNATURES:

DWG TITLE:
PLUMBING
CELLAR FLOOR PLAN
(STORM PIPING ONLY)

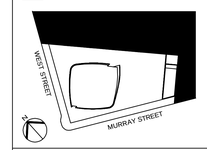
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/8"=1'-0"
P-103.00
DWG NO.

DEPT OF BLDGS 421332310 Job Number
B3900180373 Scan Code



KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MARIAN
Professional Engineer
No. 075466
APPROVED
NYC DEPARTMENT OF BUILDINGS
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
PLUMBING
GROUND FLOOR (PLAZA)

SEAL & SIGNATURE:

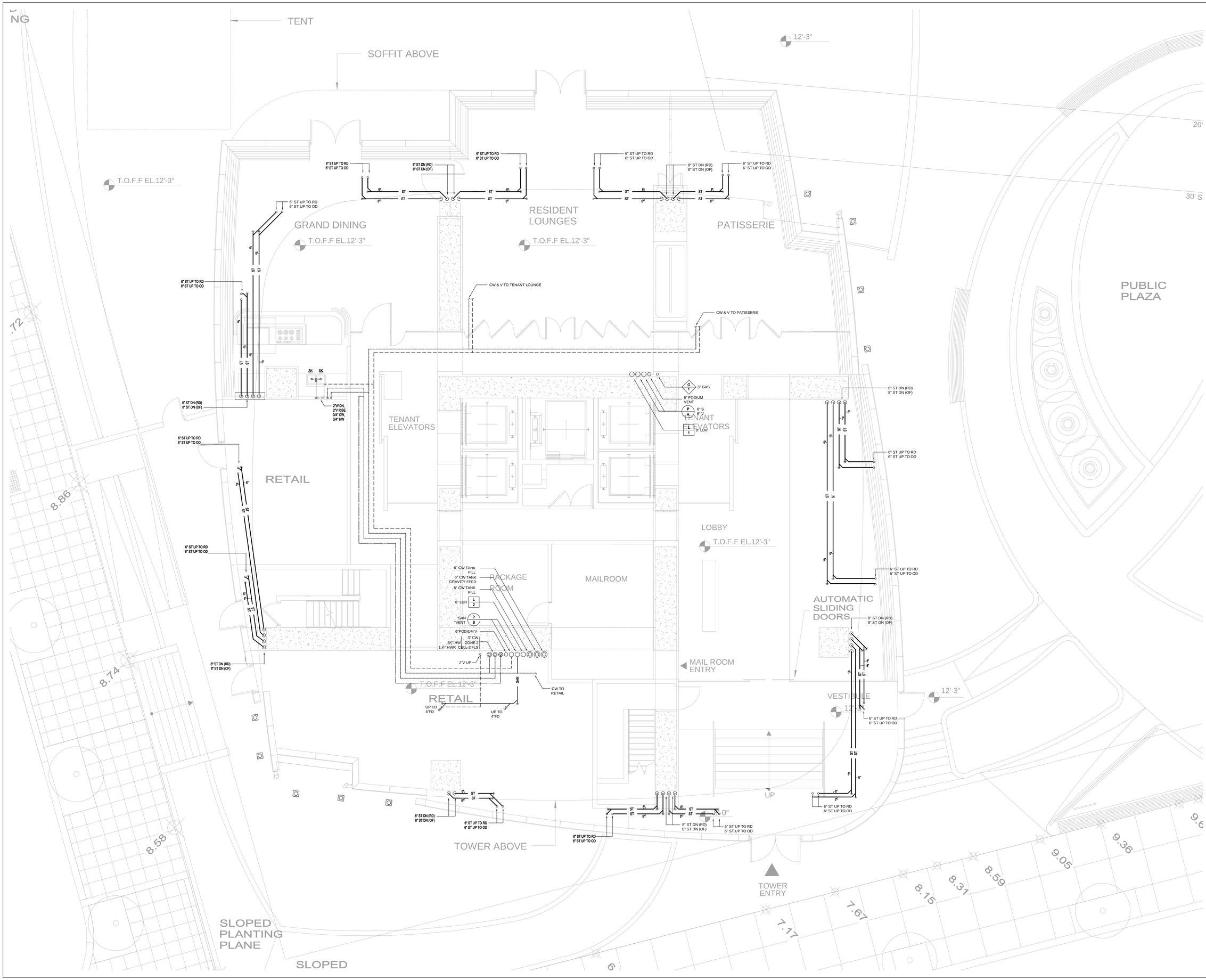
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/8"=1'-0"

P-104.00
DWG NO.

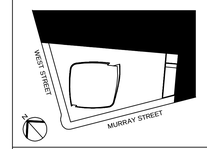
6 OF 40

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-104-GROUND FL - Plaza.dwg SAVED ON 2/27/2015 4:00 PM PLOTTED ON 3/9/2015 3:24 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 321321310 Job Number
B3566418890 Scan Code



KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
SHAUQAT W. SHAIKH
License Number 090351
NYC DEPARTMENT OF BUILDINGS PROFESSIONAL ENGINEER
APPROVED
NYC DEPARTMENT OF BUILDINGS

DWG TITLE:
PLUMBING
GROUND FLOOR (TOWER)

SEAL & SIGNATURE:

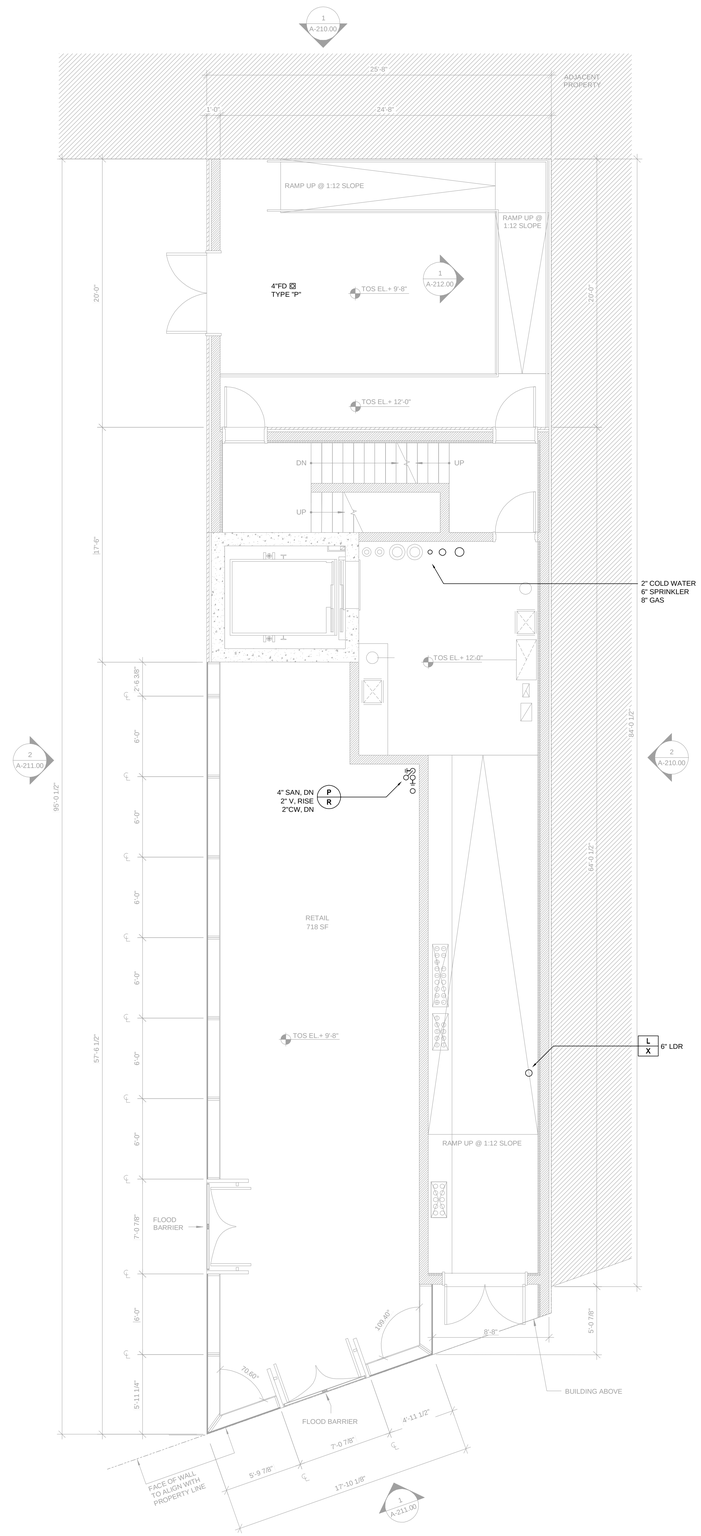
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/8"=1'-0"
P-105.00
DWG NO.

7 OF 43

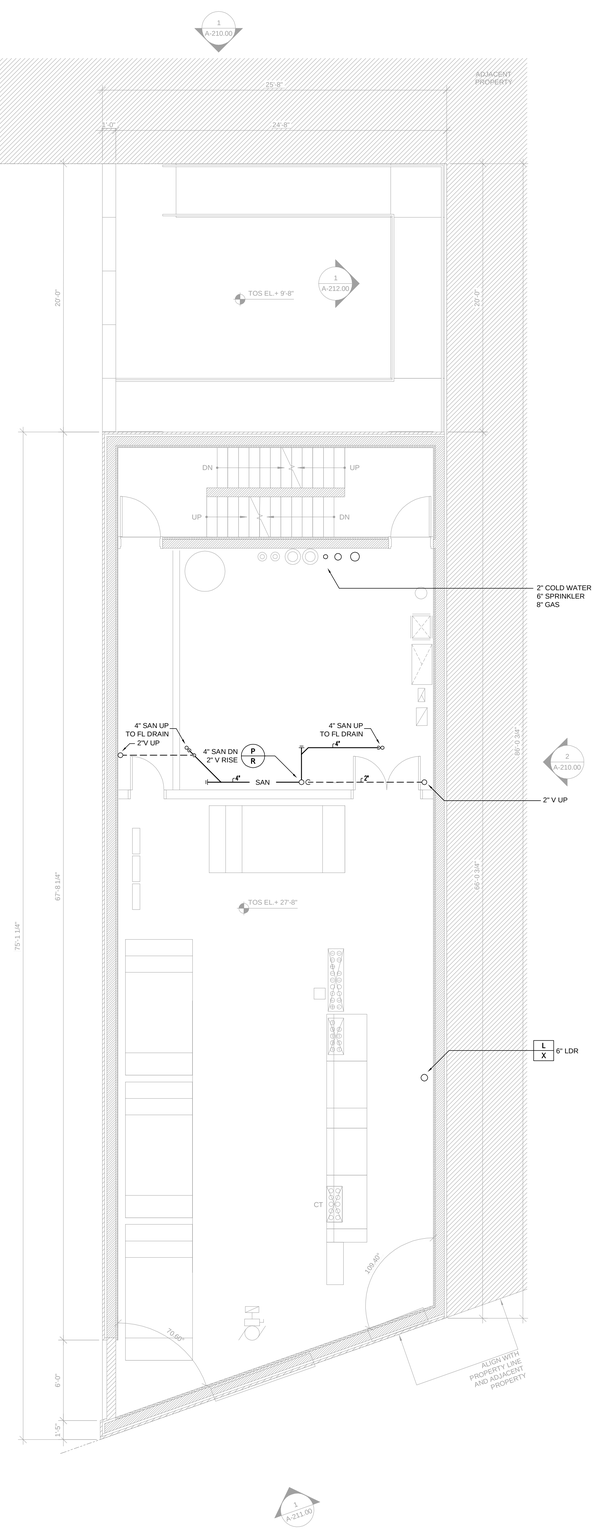
FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-105-GROUND FL - Tower.dwg SAVED ON 2/27/2015 4:28 PM PLOTTED ON 3/9/2015 3:24 PM PLOTTED BY ISRAEL YOUSSEF

FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-106-PAV GF&2ND.dwg SAVED DN 2/27/2015 4:28 PM PLOTTED DN 3/9/2015 3:25 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 421323310 Job Number
ES1410564426 Scan Code

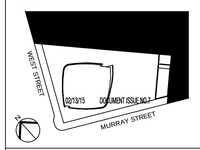


PAVILION PLAN - GROUND LEVEL



PAVILION PLAN - 2ND LEVEL

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MAYDAK
LICENSED PROFESSIONAL ENGINEER
APPROVED
Borough Commissioner
Examiner
NYC DEPARTMENT OF BUILDINGS

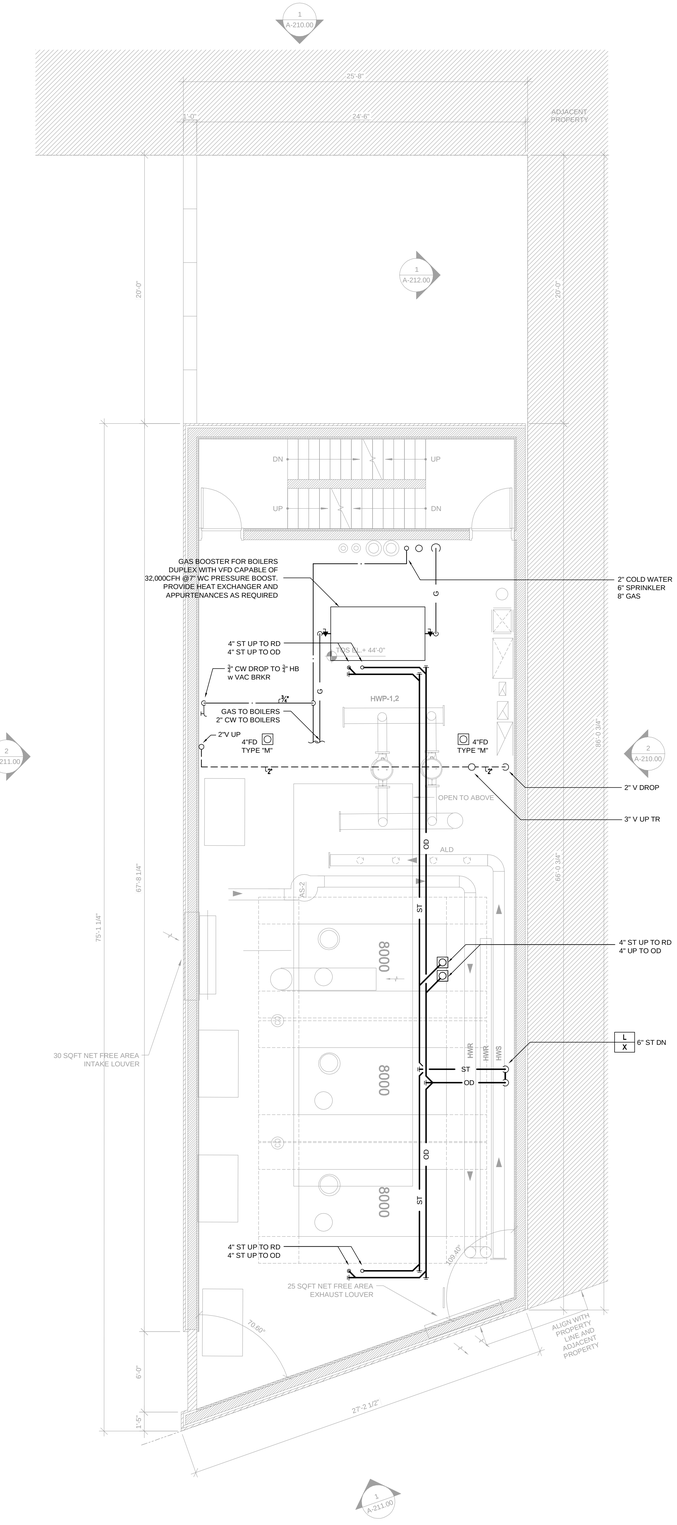
DWG TITLE:
PLUMBING
PAVILION
GROUND & LEVEL 2

SEAL & SIGNATURE:

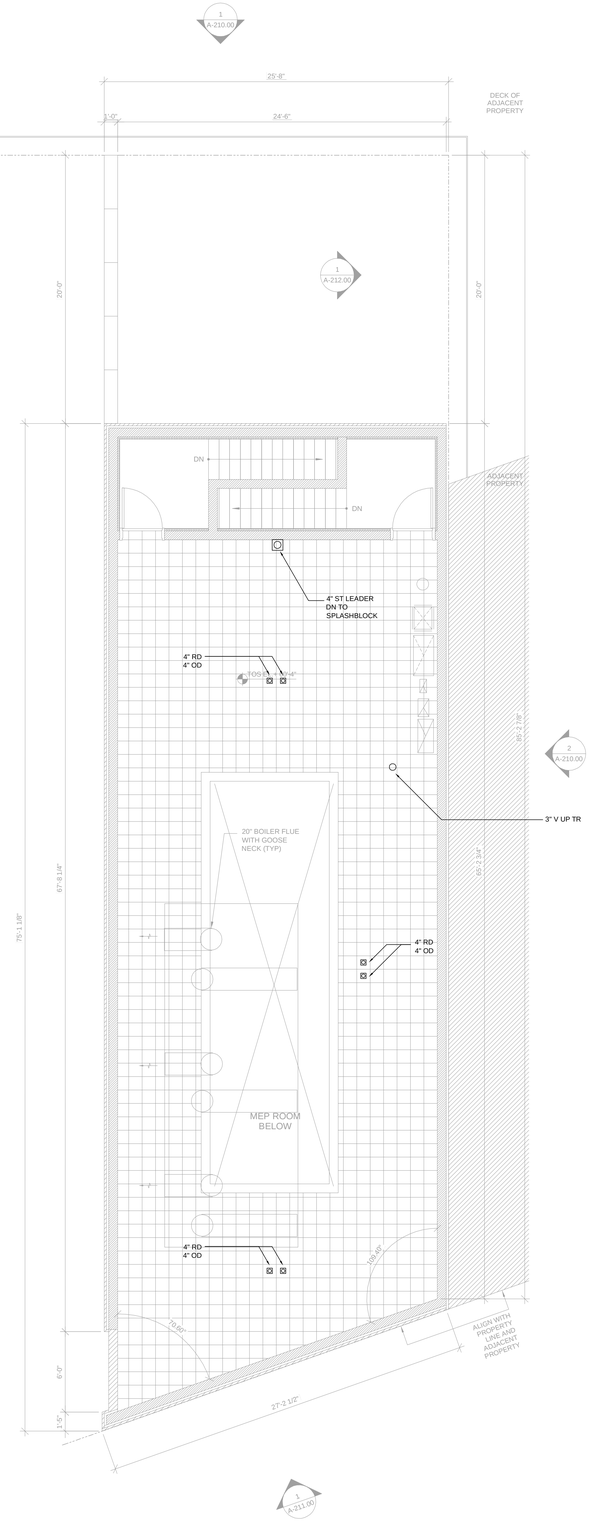
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
P-106.00
DWG NO.

DEPT OF BLDGS 321323.10 Job Number
E507224995 Scan Code

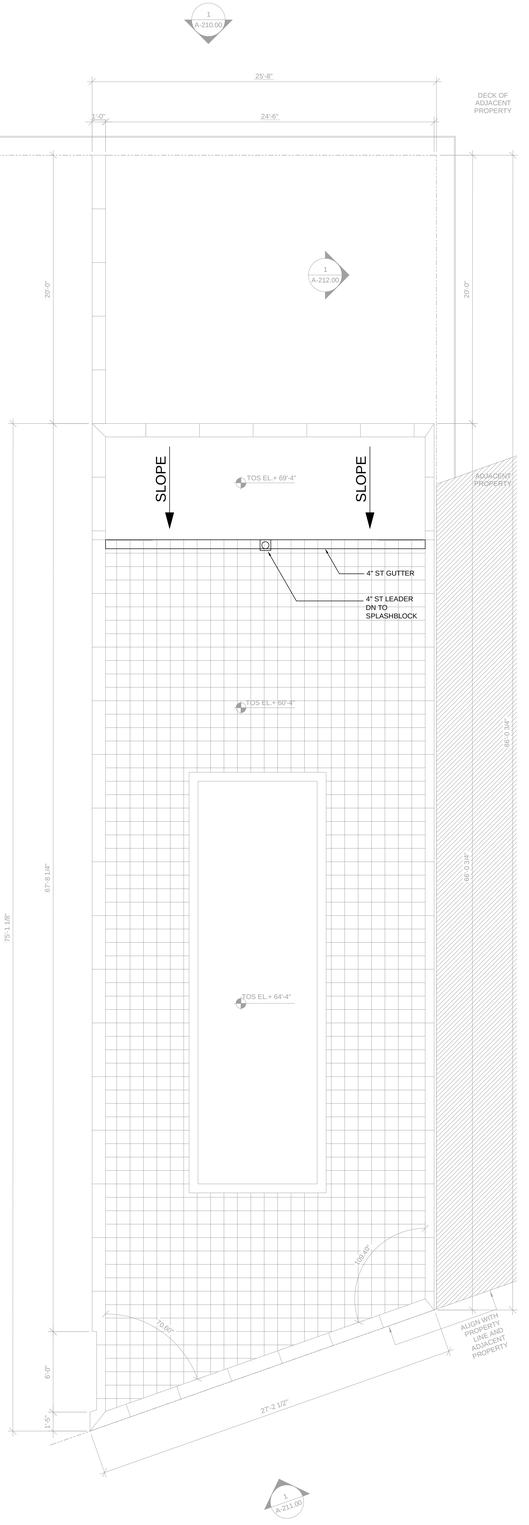
FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-107-PAV 3RD&ROOF.dwg SAVED DN 2/27/2015 4:09 PM PLOTTED DN 3/9/2015 3:25 PM PLOTTED BY ISRAEL, YOUSSEF



PAVILION PLAN - 3RD FLOOR

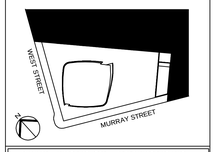


PAVILION PLAN - LOWER ROOF



PAVILION PLAN - UPPER ROOF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
SAMUEL W. MARCHE
APPROVED
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGINEER

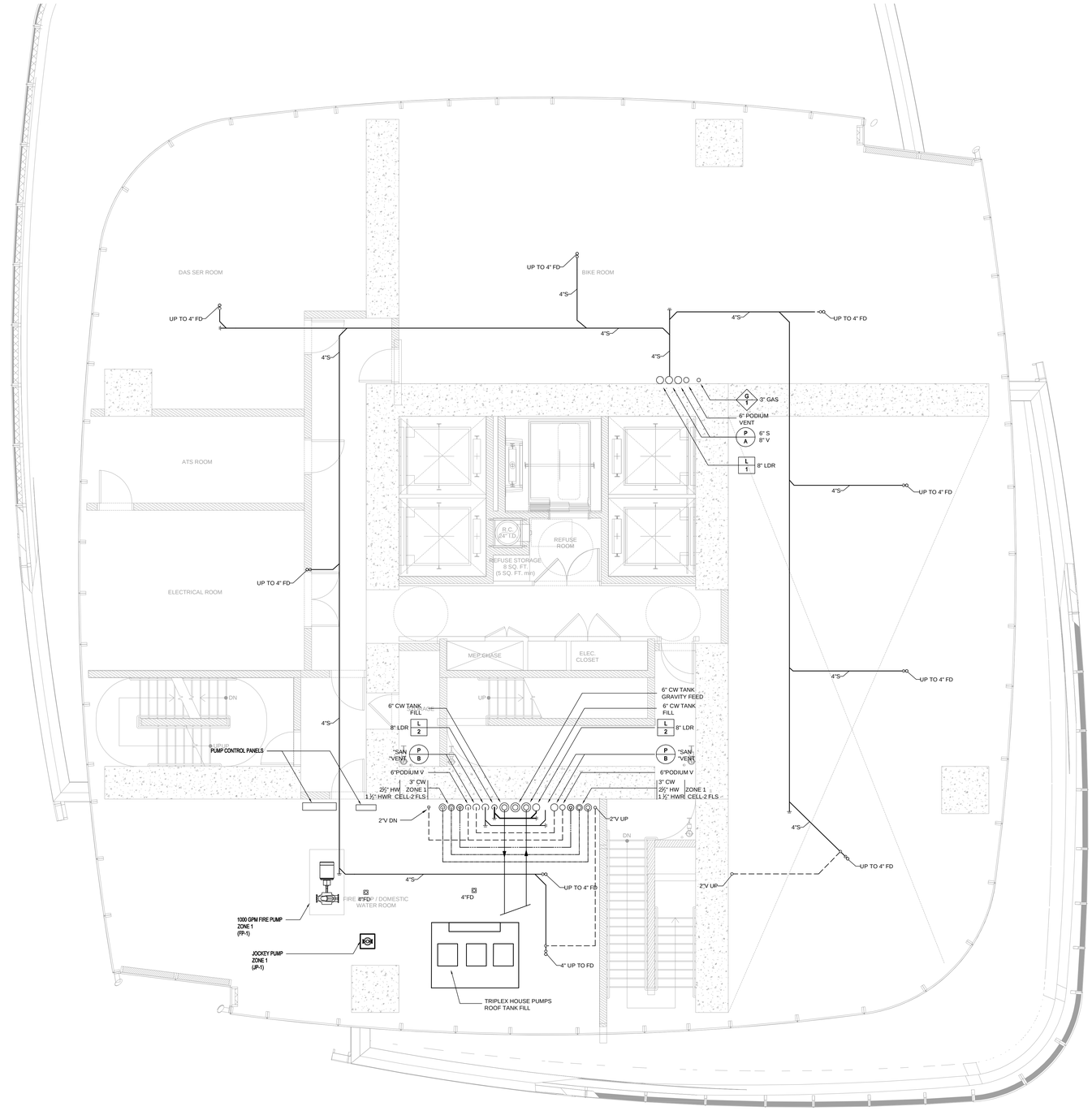
DWG TITLE:
PLUMBING
PAVILION
3RD LEVEL & ROOF

SEAL & SIGNATURE:

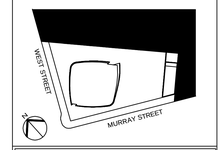
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/8"=1'-0"

P-107.00
DWG NO.

DEPT OF BLDGS 321323.10 Job Number
ES#7209973 Scan Code



KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
MICHAEL W. MARSHALL
APPROVED
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGR

DWG TITLE:
PLUMBING
LEVEL 2

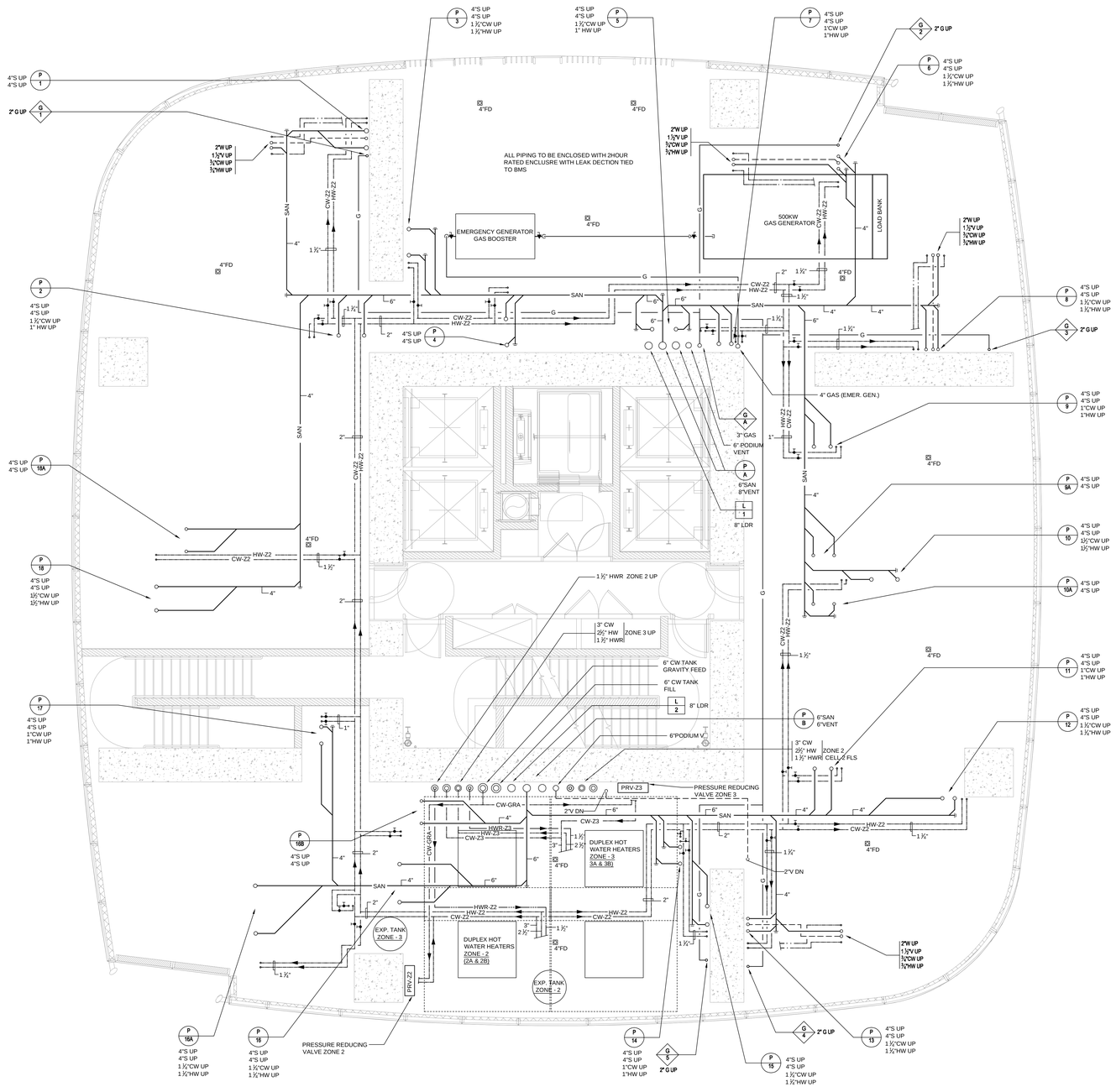
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
P-110.0
DWG NO.

10 OF 41

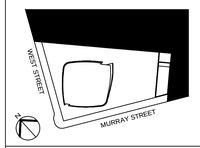
FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-110 - 2ND FL.dwg SAVED DN 2/27/2015 4:08 PM PLOTTED DN 3/9/2015 3:26 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 321323.10 Job Number
ES344220343 Scan Code



FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DDB\Plumb\140006 - P-111-3RD MECHANICAL.dwg SAVED ON 2/27/2015 4:08 PM PLOTTED ON 3/9/2015 3:26 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

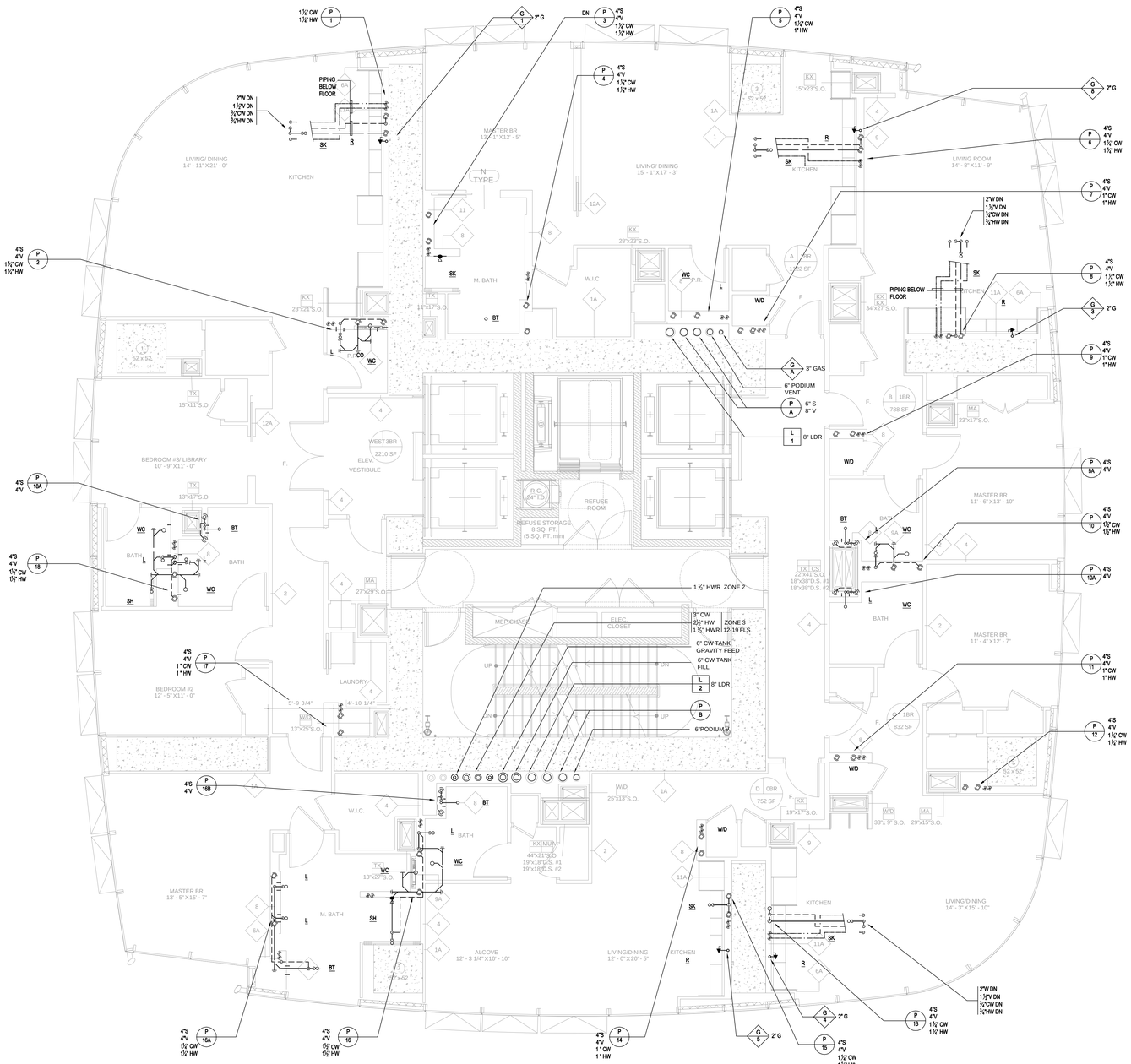
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MARSHALL
APPROVED
Plumbing Unit
NYC Department of Buildings
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
PLUMBING
LEVEL 3 MECHANICAL

SEAL & SIGNATURE:

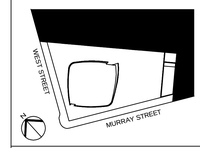
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
P-111.00
DWG NO.

DEPT OF BLDGS 121323310 Job Number
E3003842153 Scan Code



FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 IDB\Plumb\140006 - P-112-4TH THRU 10TH FL.dwg SAVED ON 2/27/2015 4:08 PM PLOTTED ON 3/9/2015 3:27 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

WITKOFF

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

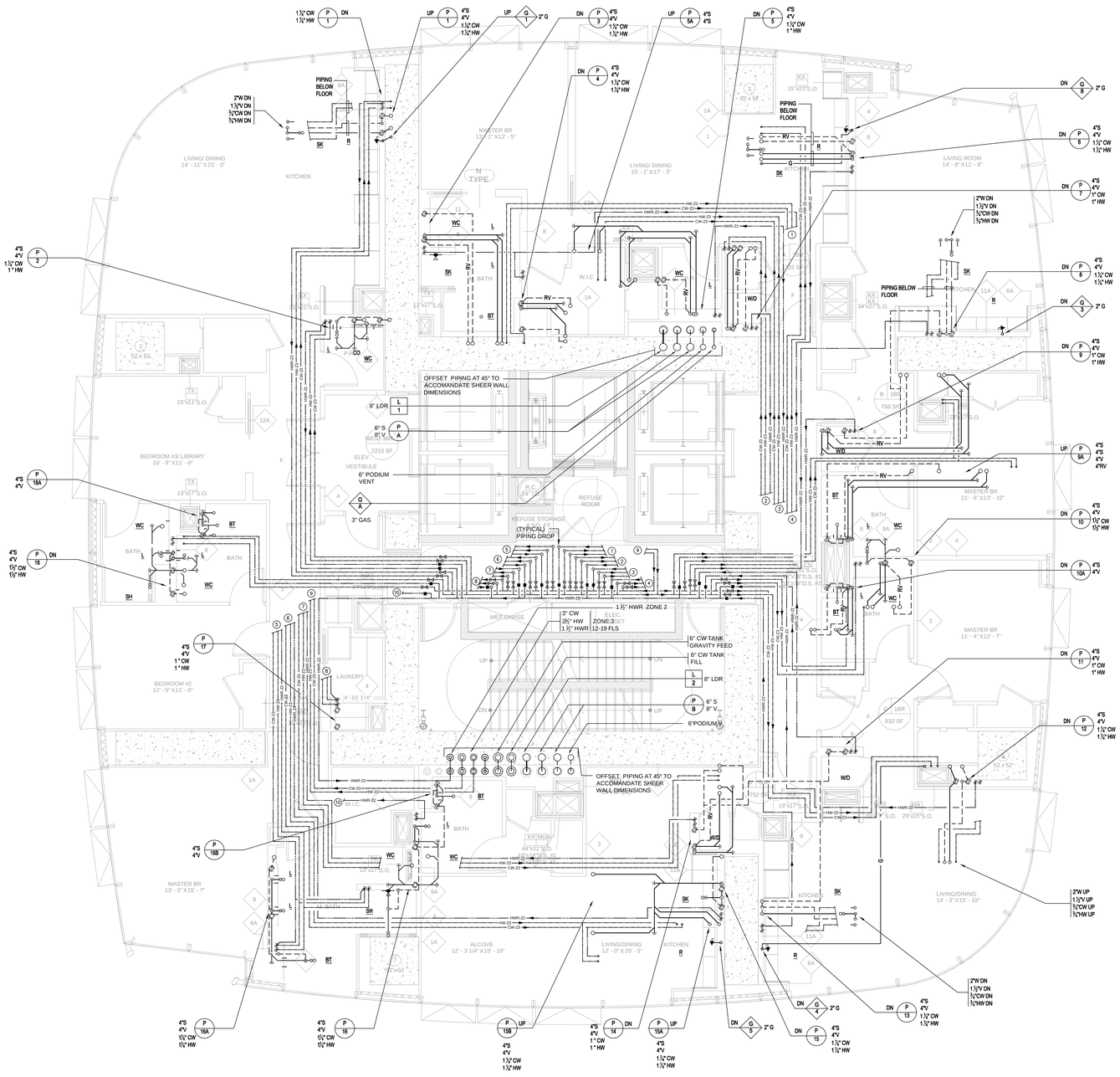
DOB STAMPS & SIGNATURES:
State of New York
Michael W. Mathews
License No. 069357
Professional Engineer
Date: 3/9/2015
NYC Department of Buildings

DWG TITLE:
PLUMBING
LEVEL 4-10

SEAL & SIGNATURE:

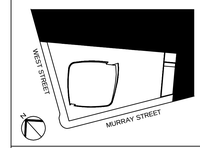
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
P-112.00
DWG NO.

DEPT OF BLDGS 121323310 Job Number
E-3305359065 Scan Code



FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-113 -11TH FL.dwg SAVED ON 2/27/2015 4:08 PM PLOTTED ON 3/9/2015 3:27 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

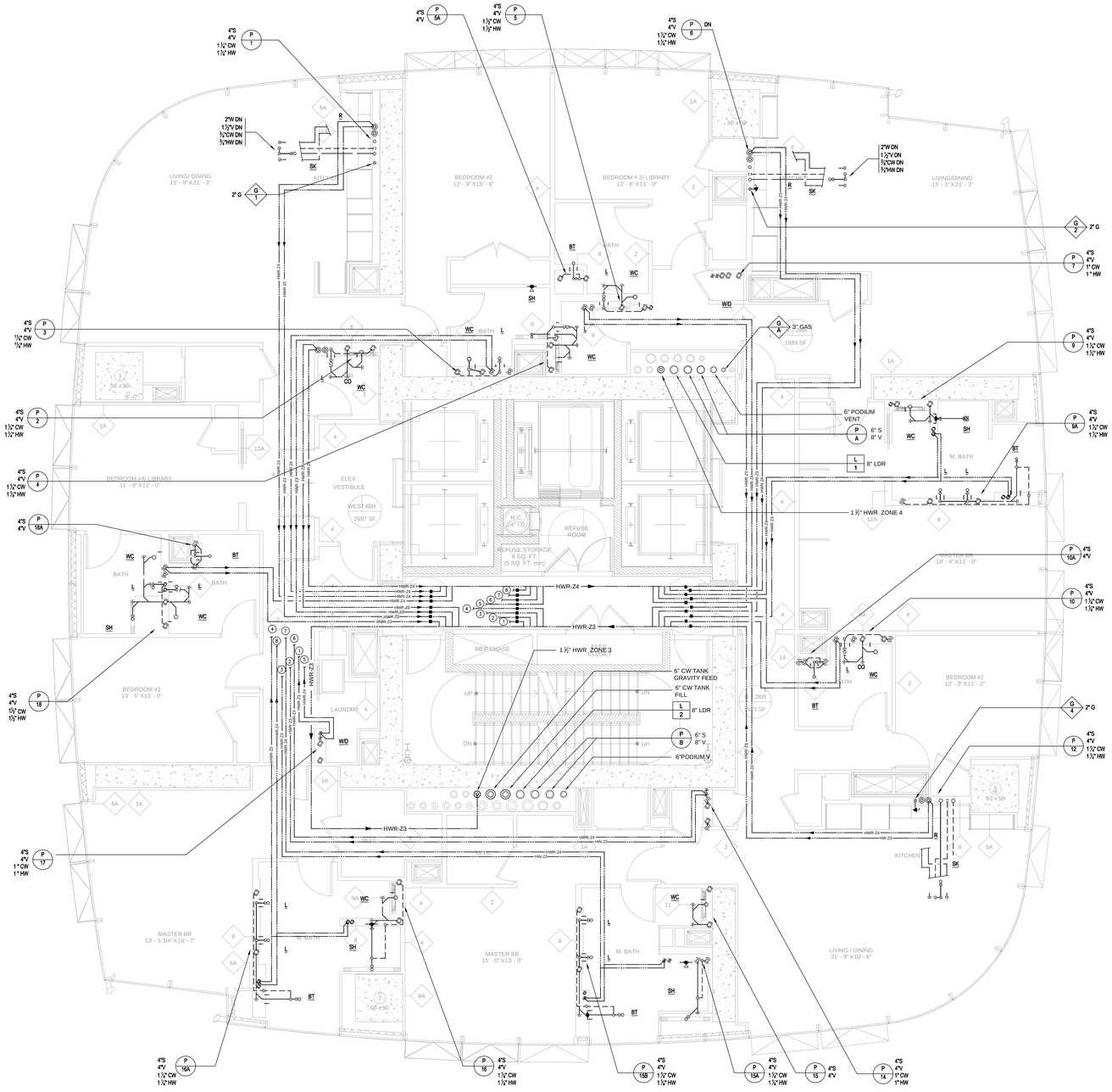
DOB STAMPS & SIGNATURES:

DWG TITLE:
PLUMBING
LEVEL 11

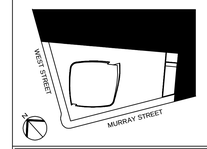
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
P-113.00
DWG NO.
13 OF 41

DEPT OF BLDGS 121132110 Job Number
B2025092045 Scan Code



KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
SHAUQAT M. SHAIKH
APPROVED
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGINEER

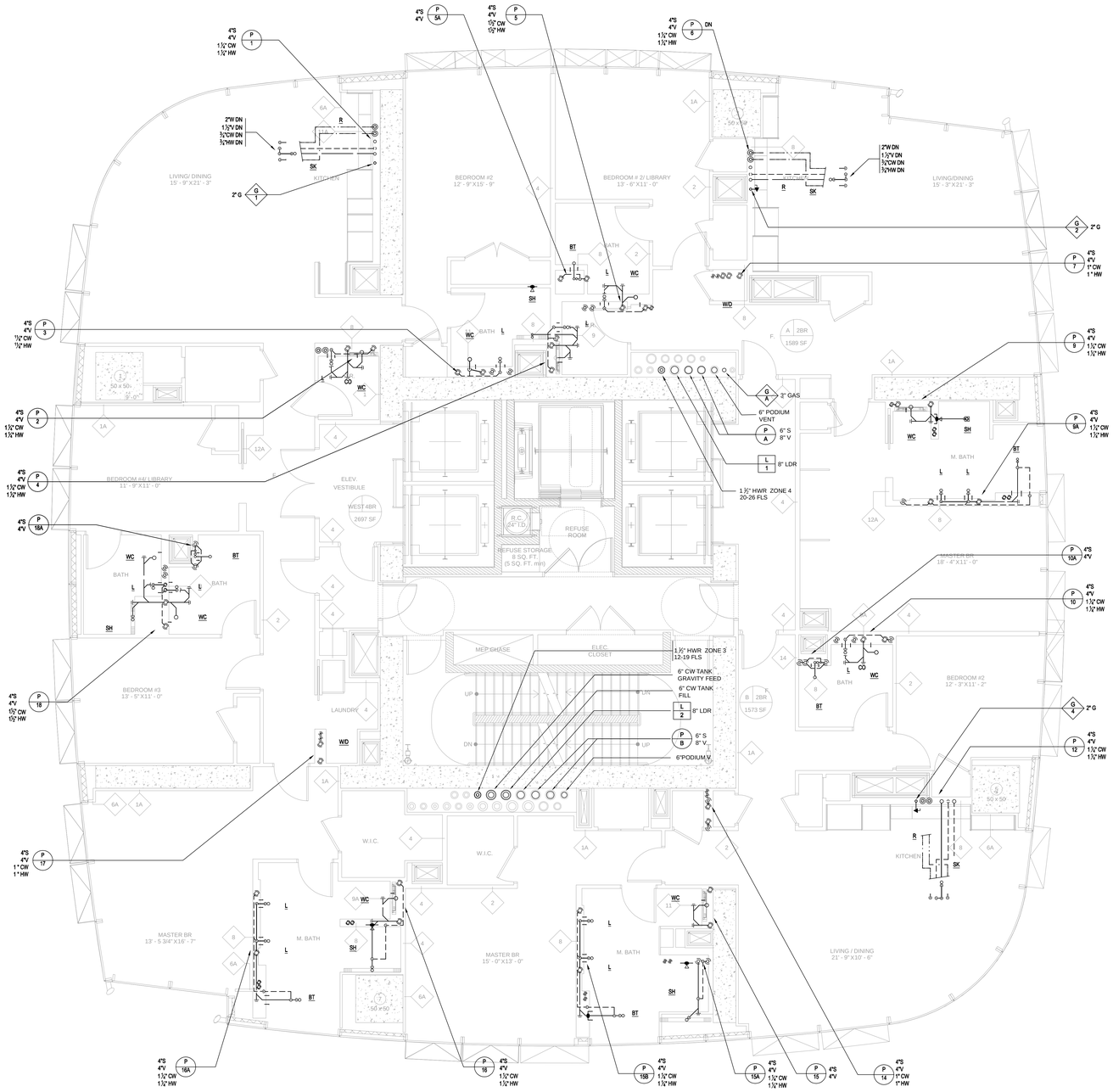
DWG TITLE:
PLUMBING
LEVEL 19

SEAL & SIGNATURE:

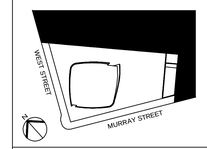
DATE: 05/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
P-119.00
DWG NO.

FILE NAME: I:\140006 - 101 Murray\Issue\15-03-09 DOB\Plumb\140006 - P-119 -19TH FL.dwg SAVED DN 2/27/2015 4:20 PM PLOTTED DN 3/9/2015 3:28 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 121132110 Job Number
B2647P000080 Scan Code



KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
RONALD W. MARSHALL
APPROVED
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGR

DWG TITLE:
PLUMBING
LEVEL 12-18
AND 20-26

SEAL & SIGNATURE:

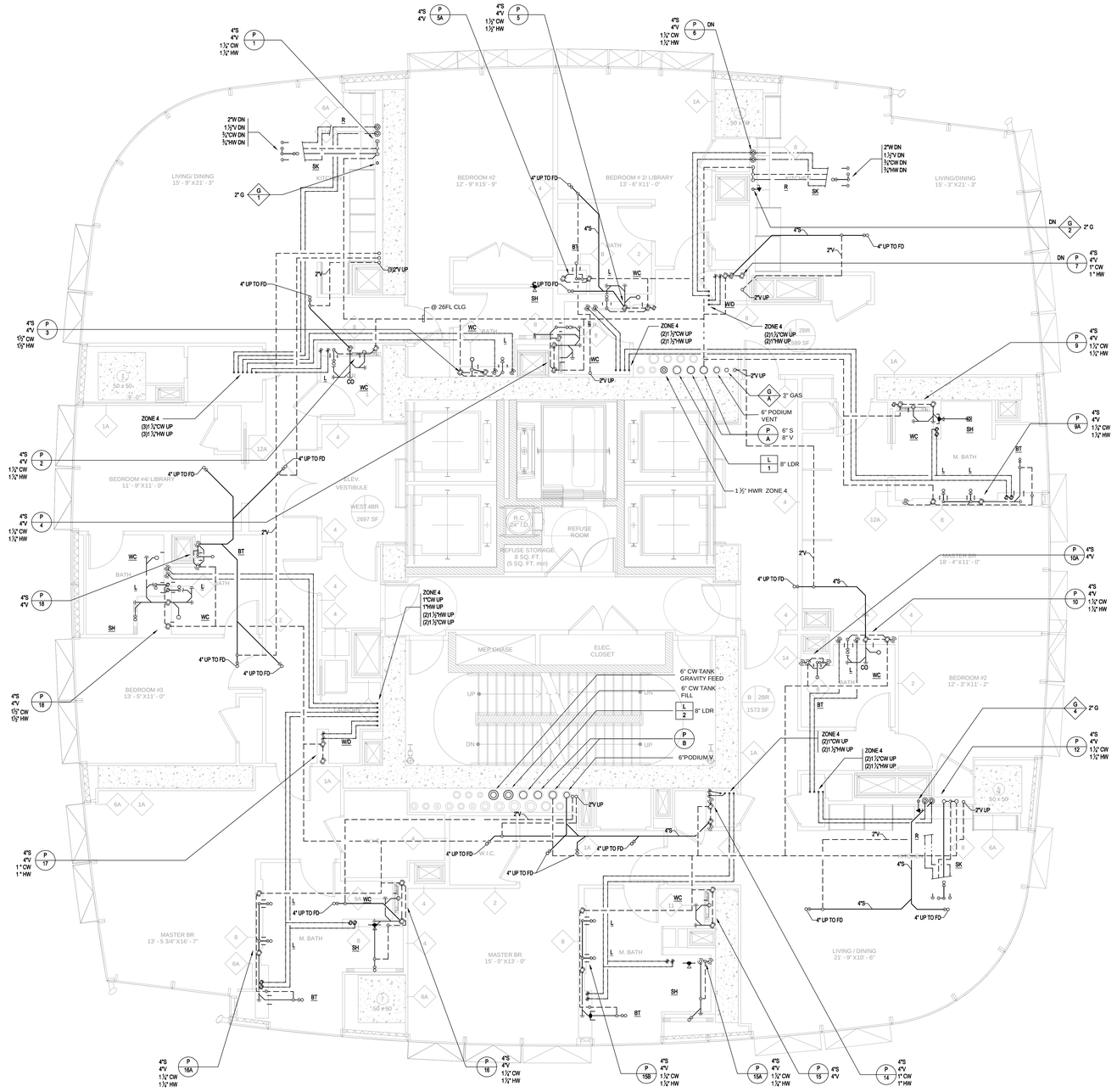
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
P-125.00
DWG NO.

15 OF 41

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-125-12-18 AND 20- 25TH FL.dwg SAVED ON 2/27/2015 4:20 PM PLOTTED ON 3/9/2015 3:28 PM PLOTTED BY ISRAEL, YOUSSEF

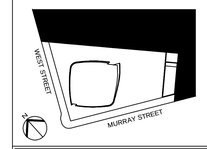
DEPT OF BLDGS 421323.10 Job Number

B3090525.1977 Scan Code



FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-126- 26TH FL.dwg SAVED DN 2/27/2015 4:20 PM PLOTTED DN 3/9/2015 3:29 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MAHONEY
APPROVED
Borough Commissioner
Manhattan
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGINEER

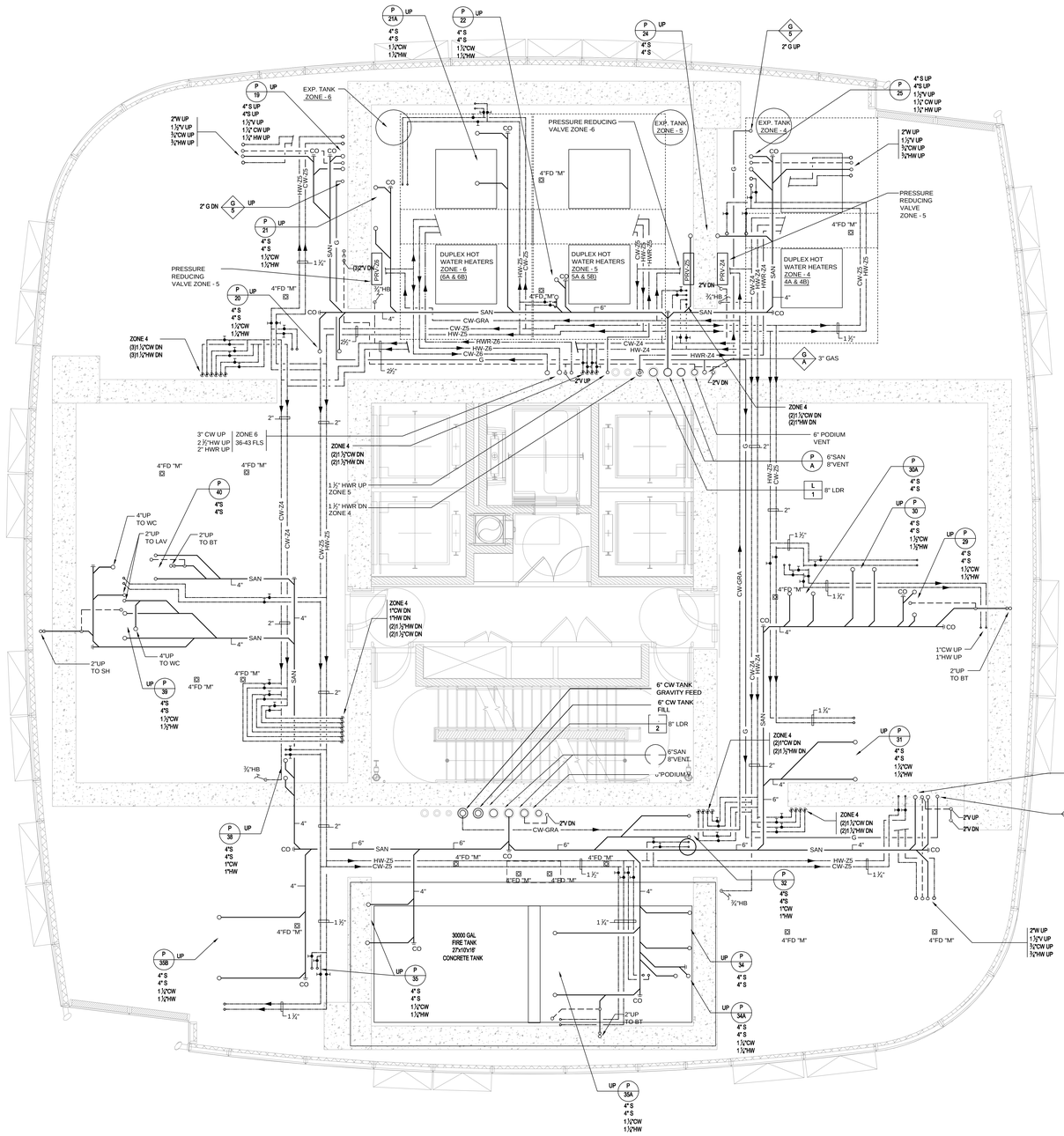
DWG TITLE:
PLUMBING
LEVEL 26

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
P-126.00
DWG NO.

16 OF 41

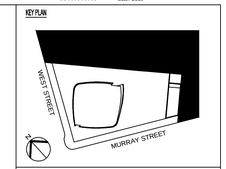
DEPT OF BLDGS 320133310 Job Number
ES1605020053 Scan Code



ISRAEL, YOUSSEF

FILE NAME I:\140006 - 101 Murray\Issue\15-03-09 IDB\Plumb\140006 - P-127-27TH FL.dwg SAVED ON 2/27/2015 419 PM PLOTTED ON 3/9/2015 329 PM PLOTTED BY

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

WITKOFF

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
State of New York
Michael W. Mathias
License No. 069357
Professional Engineer
Date: 3/9/2015
NYC Department of Buildings

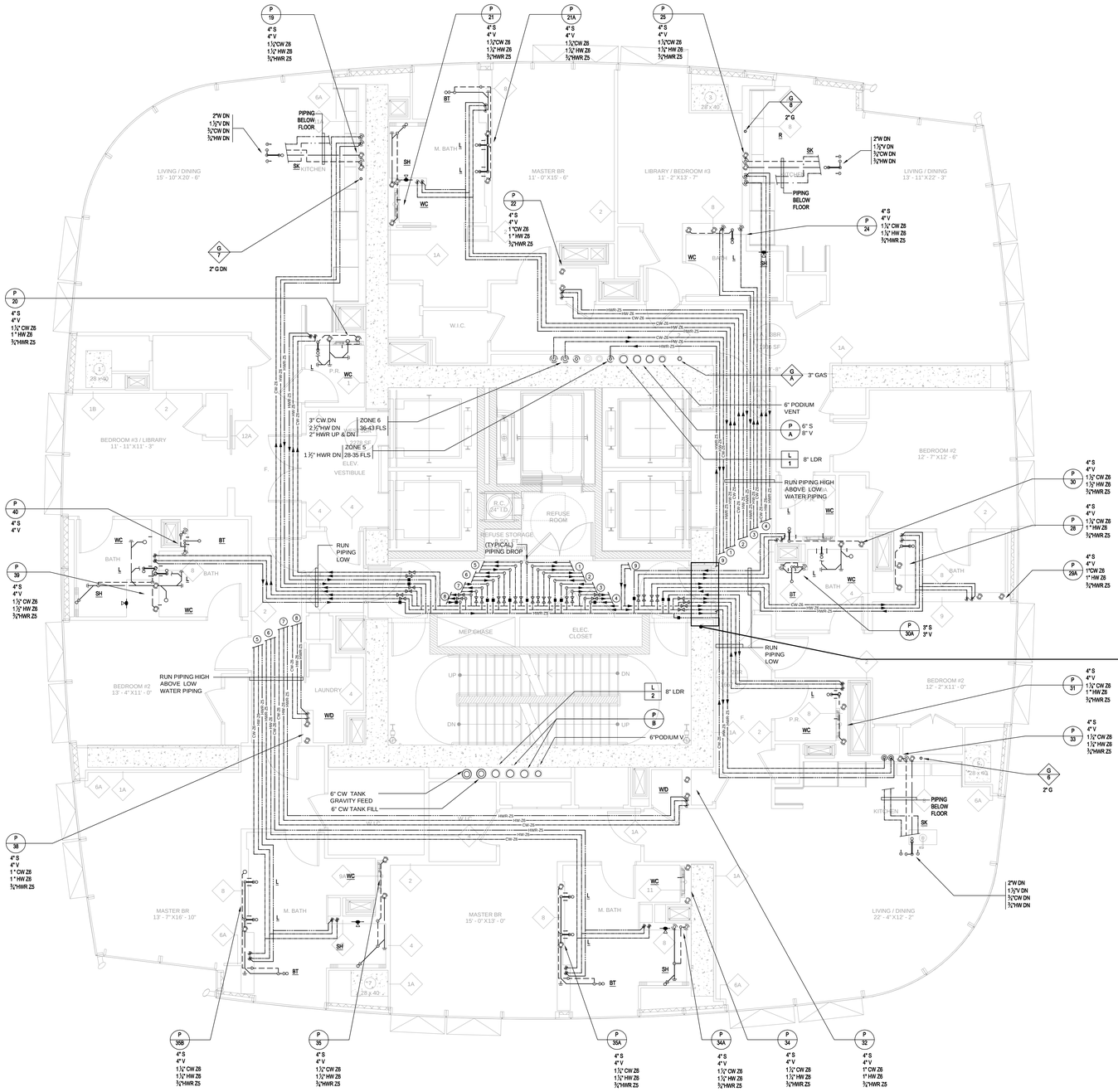
DWG TITLE:
PLUMBING
LEVEL 27 MECHANICAL

SEAL & SIGNATURE:

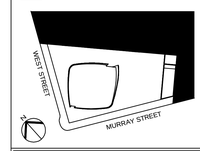
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
P-127.00
DWG NO.

17 OF 41

DEPT OF BLDGS 401323310 Job Number
B3456/03132 Scan Code



KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/06/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6106

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:

DWG TITLE:
PLUMBING
LEVEL 35

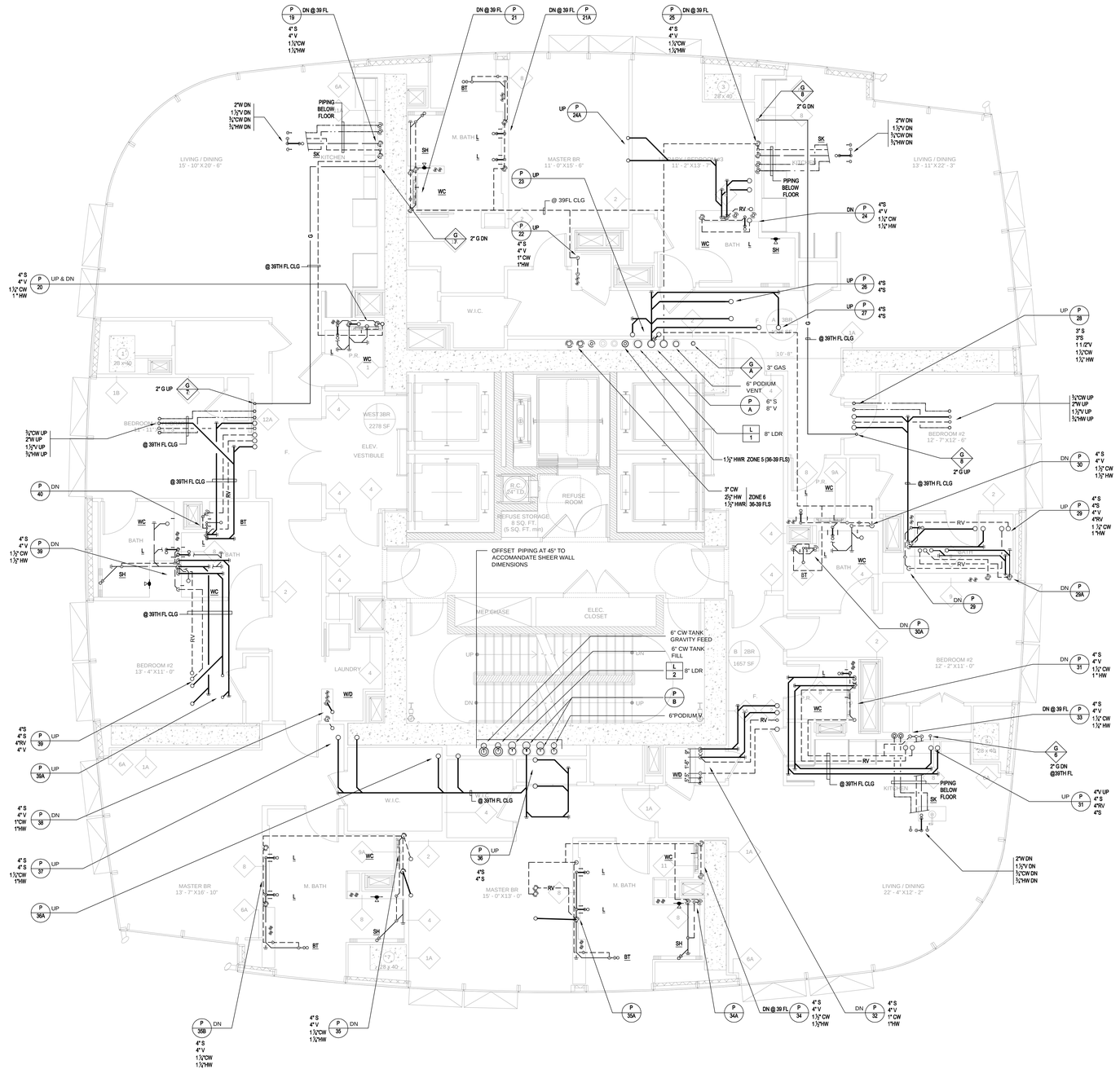
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
P-135.00
DWG NO.
18 OF 41

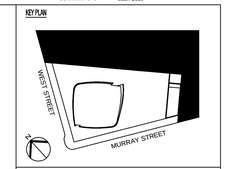
FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-135-35TH FL.dwg SAVED ON 2/27/2015 4:19 PM PLOTTED ON 3/9/2015 3:30 PM PLOTTED BY ISRAEL, YOUSSEF

FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-139-28-34TH AND 36-39TH FL.dwg SAVED DN 2/27/2015 4:19 PM PLOTTED DN 3/9/2015 3:30 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 321323310 Job Number
E350635178TS Scan Code



KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

WITKOFF

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
STATE OF NEW YORK
MICHAEL W. MATHIAS
LICENSED PROFESSIONAL ENGINEER
No. 069357
Date: 03/09/2015
NYC Department of Buildings

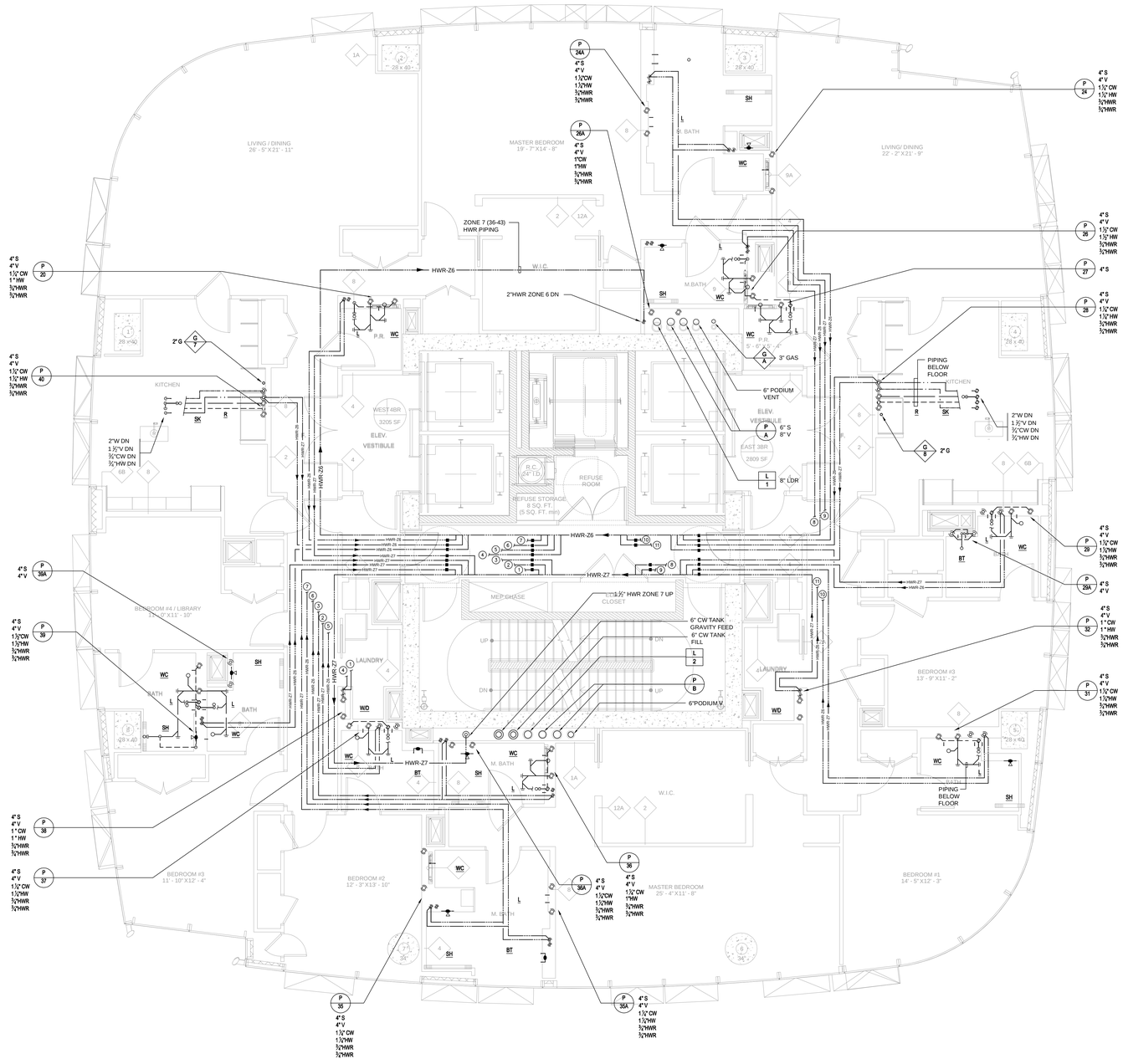
DWG TITLE:
PLUMBING
LEVEL 28-34
AND 36-39

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
P-139.00
DWG NO.

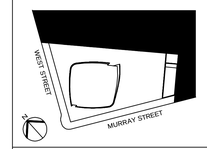
19 OF 41

DEPT OF BLDGS 121132310 Job Number
E5308E1271F5 Scan Code



FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-143-43RD FL.dwg SAVED DN 2/27/2015 4:19 PM PLOTTED DN 3/9/2015 3:31 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

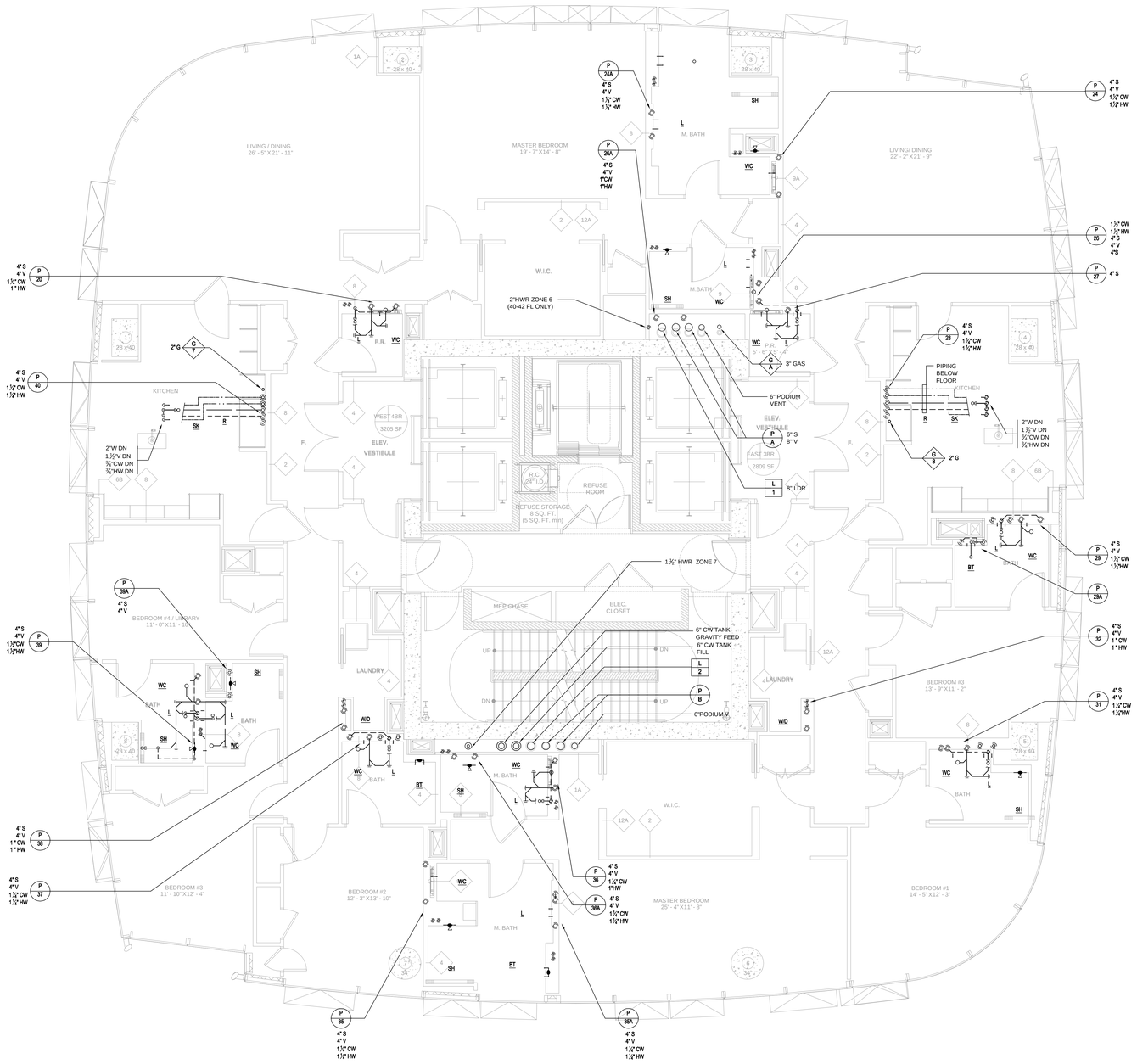
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
SHAUQAT W. SHAIKH
APPROVED
NYC DEPARTMENT OF BUILDINGS
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
PLUMBING
LEVEL 43

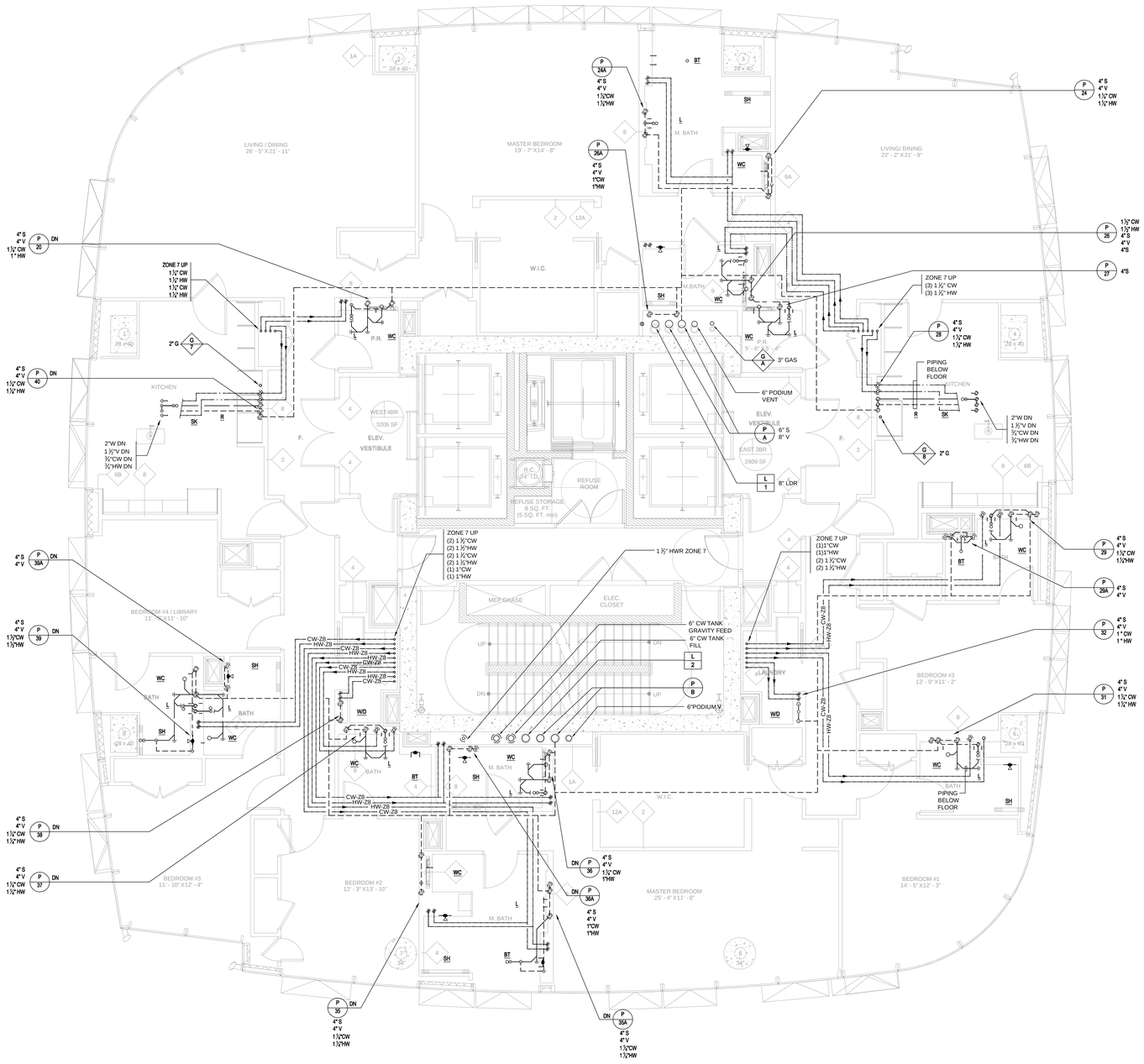
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
P-143.00
DWG NO.

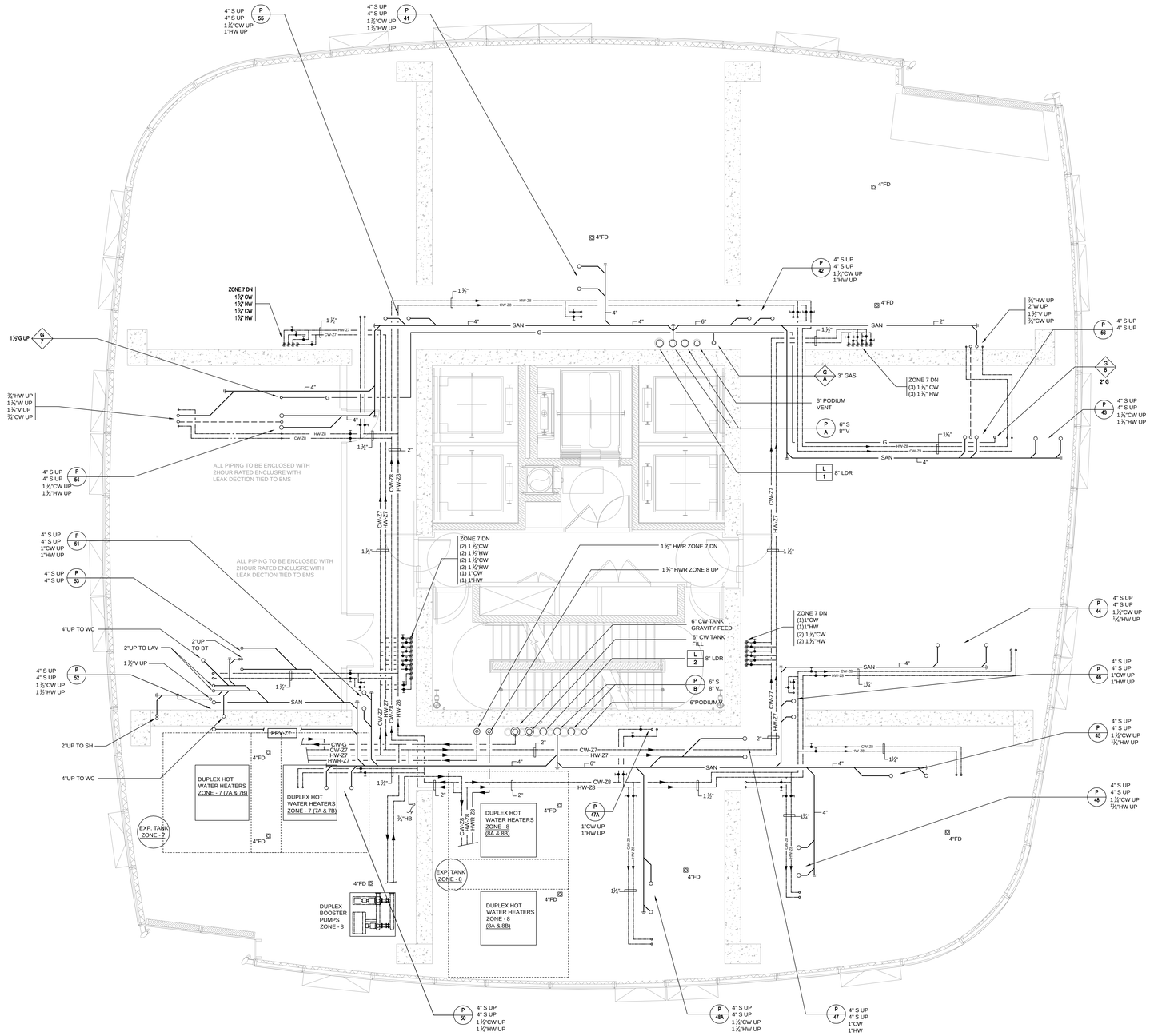
DEPT OF BLDGS 121132110 Job Number
ES2377950145 Scan Code


LIVING / DINING
26' - 5" X 21' - 11"
MASTER BEDROOM
19' - 7" X14' - 8"
M. BATH
LIVING/ DINING
22' - 2" X 21' - 9"
W.I.C.
2"HWR ZONE 6
(40-42 FL ONLY)
KITCHEN
WEST 48R
3205 SF
ELEV.
VESTIBULE
EAST 39R
2809 SF
3" GAS
6" PODIUM
VENT
8" LDR
6" S
8" V
R.C.
24" TD
REFUSE
ROOM
REFUSE STORAGE
8 SQ. FT.
(5 SQ. FT. min)
1 ½" HWR ZONE 7
MEP CHASE
ELEC.
CLOSET
6" CW TANK
GRAVITY FEED
6" CW TANK
FILL
6"PODIUM V
LAUNDRY
BEDROOM #4 / LIBRARY
11' - 0" X11' - 10"
BEDROOM #3
11' - 10" X12' - 4"
BEDROOM #2
12' - 3" X13' - 10"
MASTER BEDROOM
25' - 4" X11' - 8"
BEDROOM #1
14' - 5" X12' - 3"
BEDROOM #3
13' - 9" X11' - 2"
PIPING
BELOW
FLOOR
2"W DN
1 ½"V DN
¾"CW DN
½"HW DN
4" S
4" V
1½" CW
1½" HW
1" CW
1" HW
1½" CW
1" HW
1½" HW
4" S
4" V
1" CW
1½" HW
4" S
4" V
1½" CW
1" HW
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1½" CW
1½

DEPT OF BLDGS 121132110 Job Number
E3931999595 Scan Code

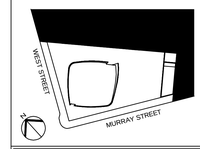

LIVING / DINING
20' - 5" X 21' - 11"
MASTER BEDROOM
19' - 7" X14' - 8"
LIVING/ DINING
22' - 2" X 21' - 9"
W.I.C.
M. BATH
KITCHEN
ELEV. VESTIBULE
WEST 48R
3205 SF
EAST 38R
2809 SF
R.C. 24" I.D.
REFUSE ROOM
REFUSE STORAGE 8 SQ. FT. (5 SQ. FT. min)
MEP CHASE
ELEC. CLOSET
LAUNDRY
BEDROOM #4 / LIBRARY
11' - 5" X 11' - 10"
BEDROOM #3
11' - 10" X12' - 4"
BEDROOM #2
12' - 3" X13' - 10"
MASTER BEDROOM
25' - 4" X11' - 8"
BEDROOM #1
14' - 5" X12' - 3"
BEDROOM #3
13' - 9" X11' - 2"
ZONE 7 UP
1½" CW
1½" HW
1½" CW
1½" HW
2" G
4" S
4" V
1½" CW
1" HW
ZONE 7 UP
(3) 1½" CW
(3) 1½" HW
4" S
4" V
1½" CW
1½" HW
3" GAS
6" PODIUM VENT
6" S
8" V
8" LDR
2"W DN
1½"V DN
½"CW DN
½"HW DN
2" G
ZONE 7 UP
(2) 1½"CW
(2) 1½"HW
(2) 1½"CW
(2) 1½"HW
(1) 1"CW
(1) 1"HW
1½" HWR ZONE 7
6" CW TANK GRAVITY FEED
6" CW TANK FILL
6"PODIUM V.
ZONE 7 UP
(1)1"CW
(1)1"HW
(2) 1½"CW
(2) 1½"HW
PIPING BELOW FLOOR
PIPING BELOW FLOOR
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1" HW
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1½"CW
1½"HW
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1½"CW
1½"HW
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1½"CW
1½"HW
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1½" CW
1½" HW
4" S
4" V
1½" CW
1½"

DEPT OF BLDGS 421323310 Job Number
B3508E4088 Scan Code



FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DDB\Plumb\140006 - P-151-51TH FL.dwg SAVED ON 2/27/2015 4:18 PM PLOTTED ON 3/9/2015 3:32 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

WITKOFF

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

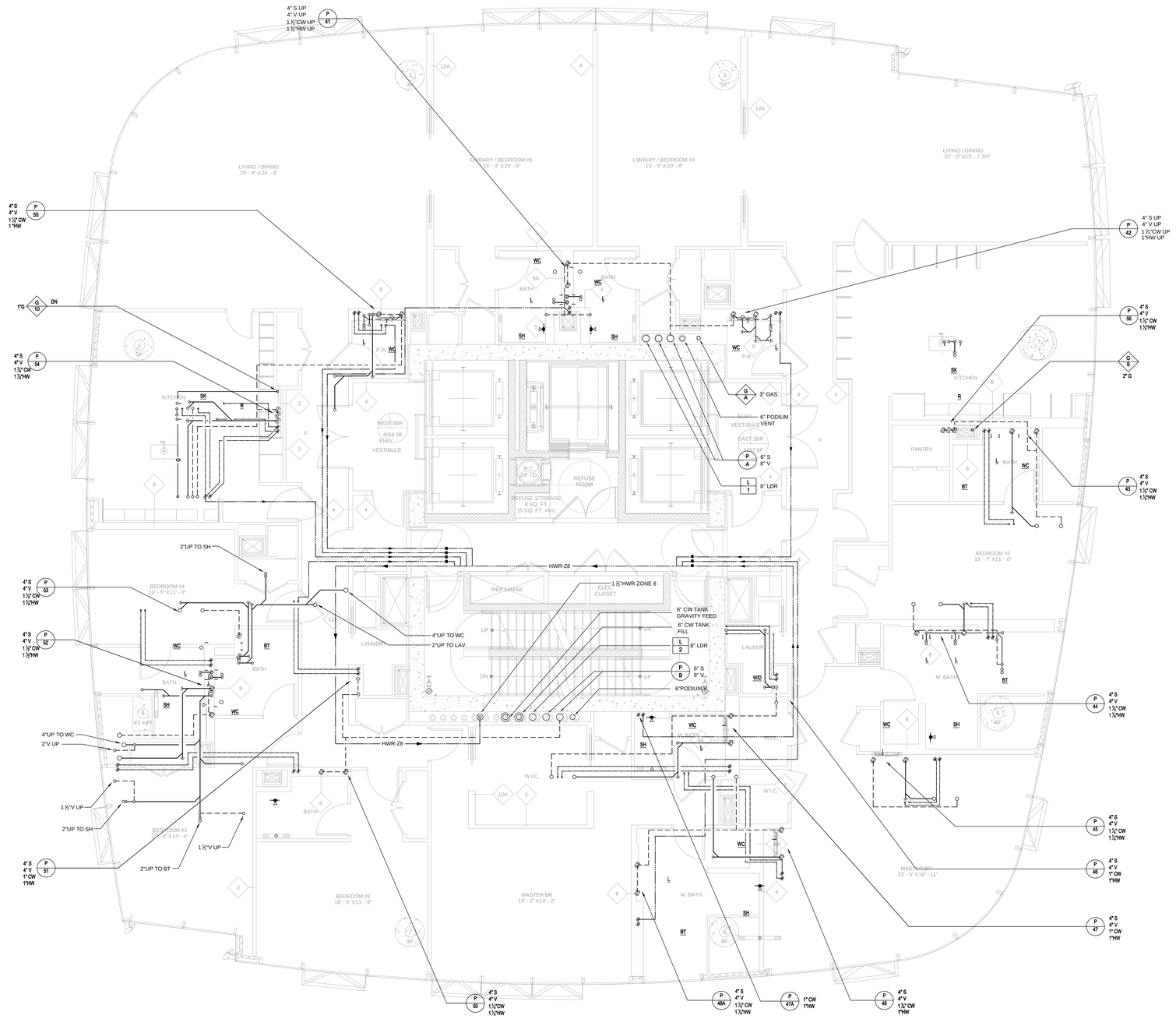
DOB STAMPS & SIGNATURES:
STATE OF NEW YORK
MICHAEL W. MATHIAS
LICENSED PROFESSIONAL ENGINEER
Shawn Bell
APPROVED
Date: 03/09/2015
NYC Department of Buildings

DWG TITLE:
PLUMBING
LEVEL 51 MECHANICAL

SEAL & SIGNATURE:

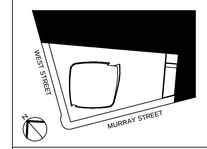
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
P-151.00
DWG NO.
23 OF 41

DEPT OF BLDGS 421132310 Job Number
B350317959 Scan Code



FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-157-52ND-57TH FL.dwg SAVED DN 2/27/2015 4:18 PM PLOTTED DN 3/9/2015 3:33 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

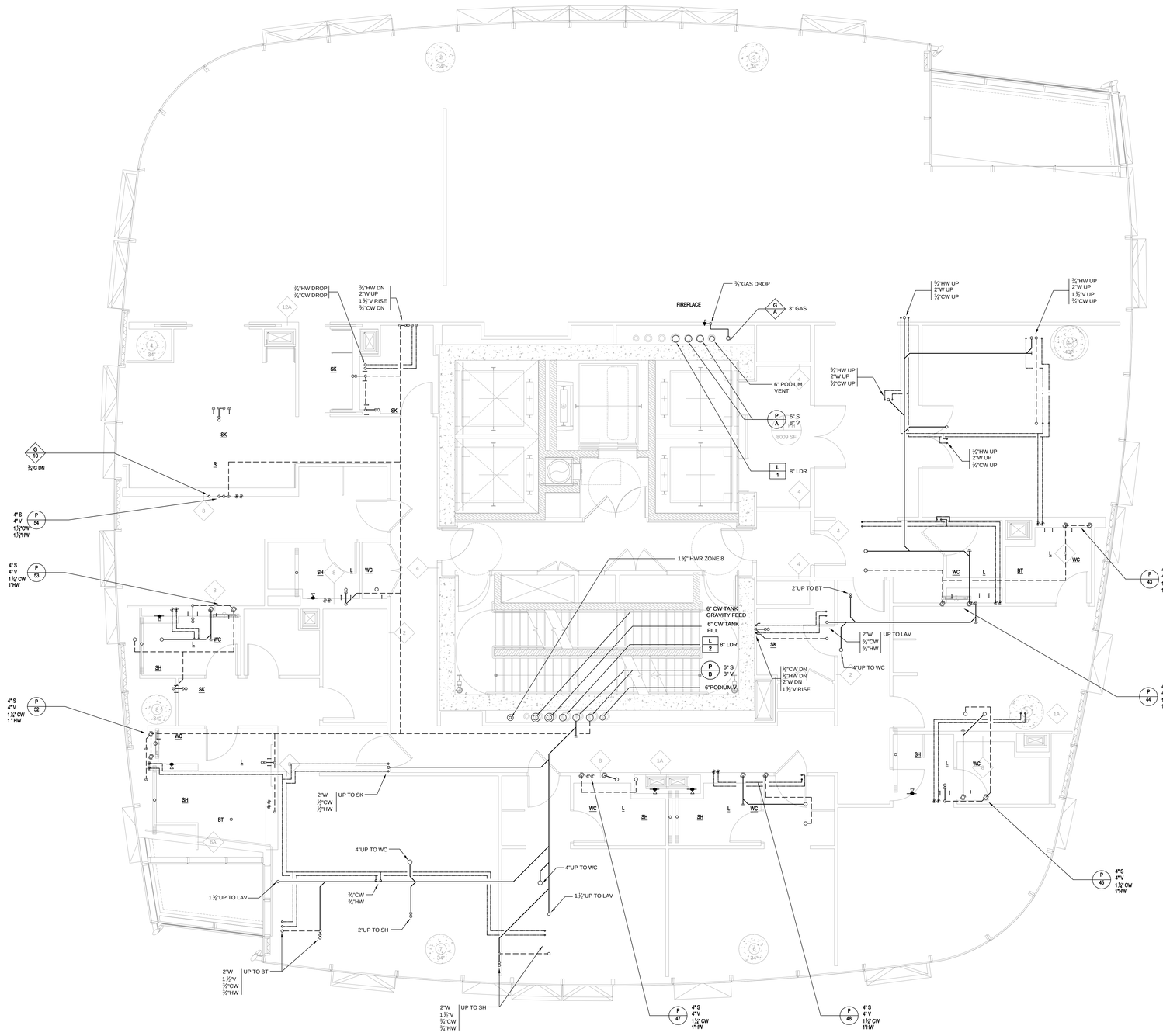
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
MICHAEL W. MANIGAN
APPROVED
Plumbing Unit
NYC Dept. of Buildings
PLUMBING PROFESSIONAL ENGINEER

DWG TITLE:
PLUMBING
LEVEL 52-57

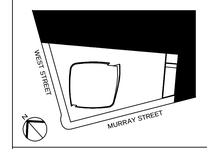
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
P-157.00
DWG NO.

DEPT OF BLDGS 121321310 Job Number
E5909797428 Scan Code



KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
MICHAEL W. MANIGAN
APPROVED
Assistant Commissioner
Technical Affairs
NYC Department of Buildings
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
PLUMBING
LEVEL 58

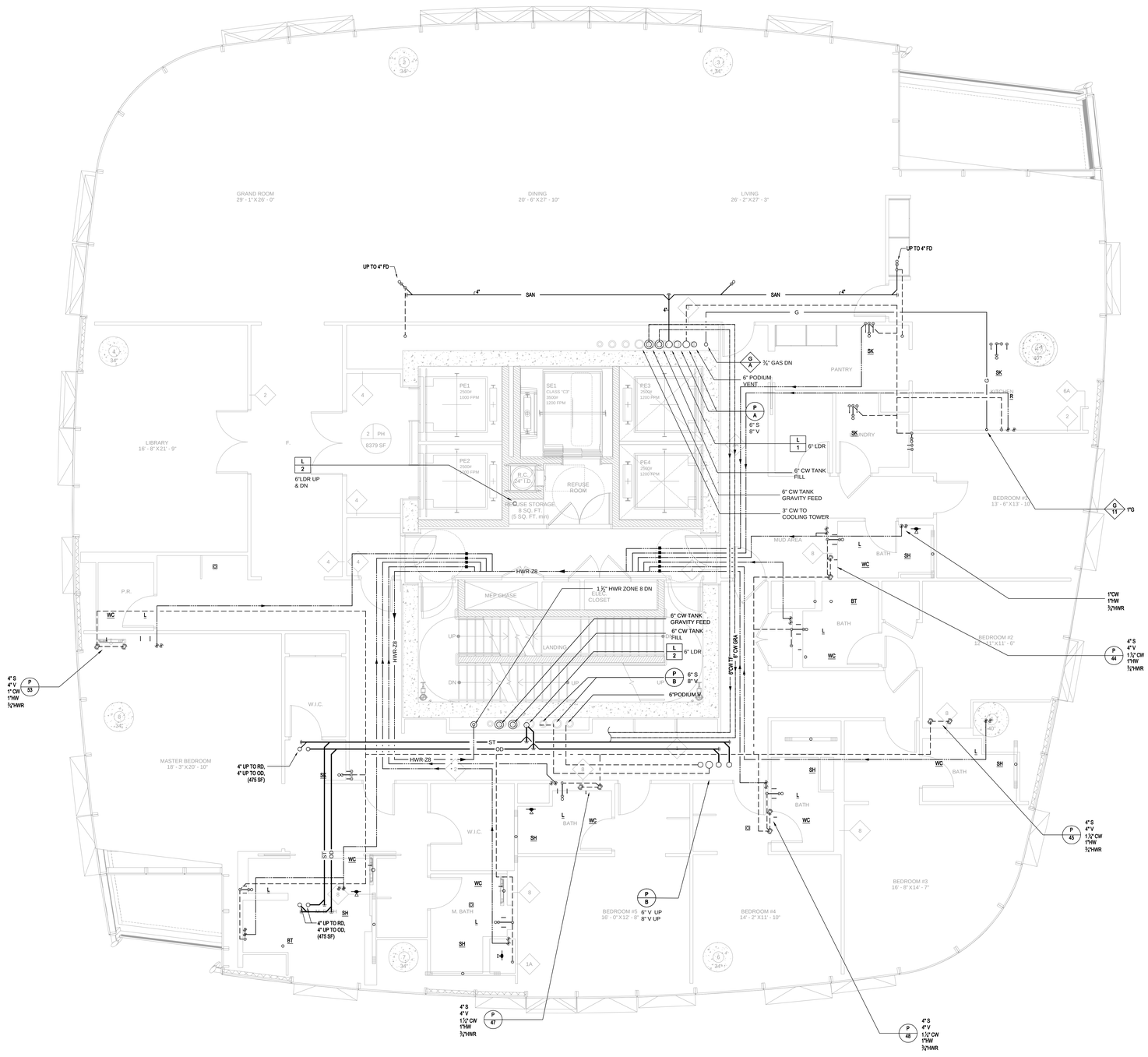
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 1400006
SCALE: 1/4"=1'-0"
P-158.00
DWG NO.

25 OF 40

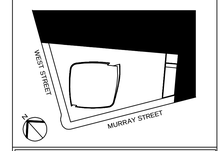
FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-158-58TH FL.dwg SAVED ON 2/27/2015 4:20 PM PLOTTED ON 3/9/2015 3:33 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 421332310 Job Number
E3331052089 Scan Code



FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-159-59TH FL.dwg SAVED DN 2/27/2015 4:25 PM PLOTTED DN 3/9/2015 3:34 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

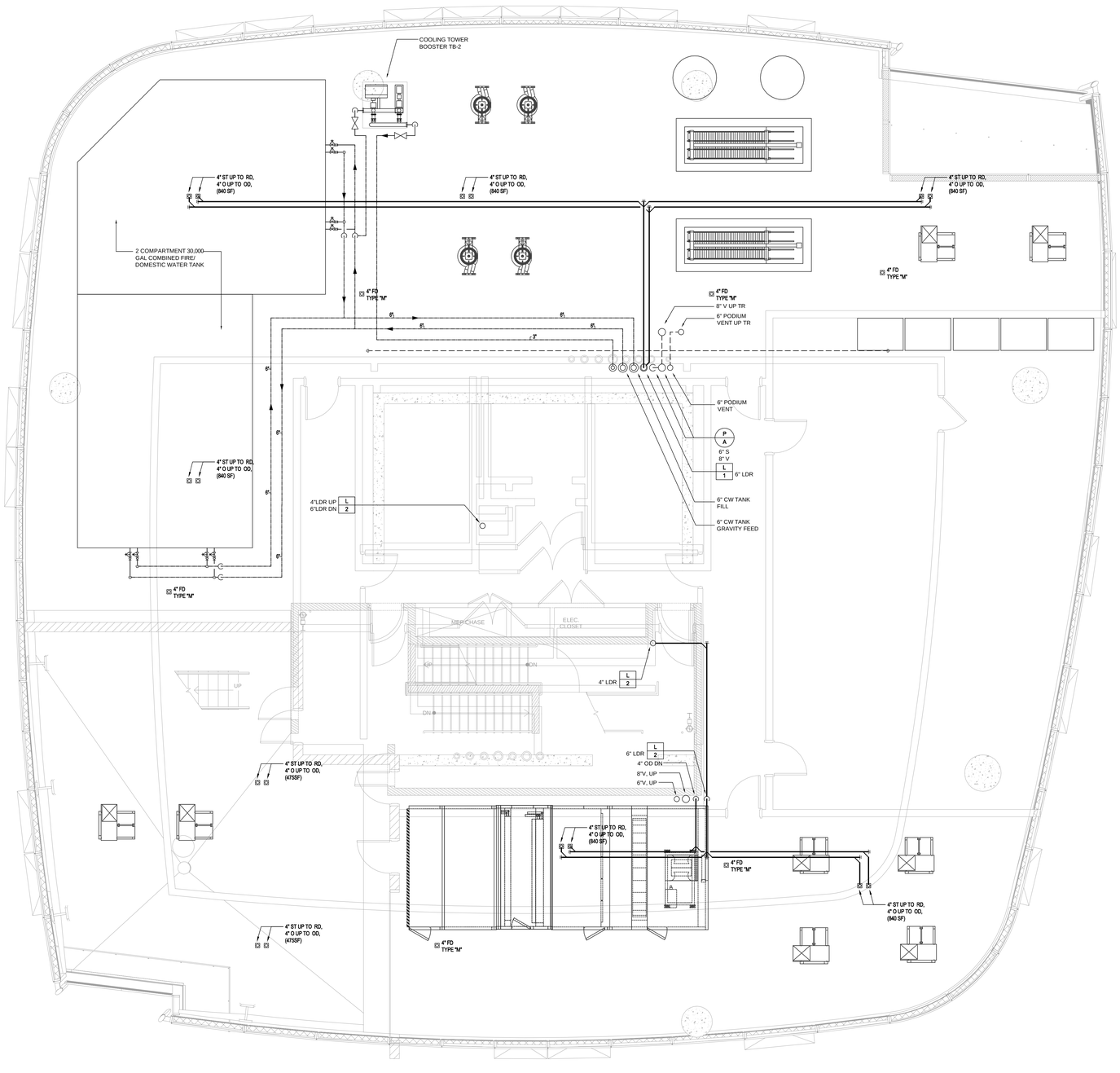
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MONTANO
License Number: 049935
PROFESSIONAL ENGINEER
APPROVED
NYC DEPARTMENT OF BUILDINGS

DWG TITLE:
PLUMBING
LEVEL 59

SEAL & SIGNATURE:

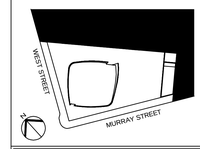
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
DWG NO. P-159.00

DEPT OF BLDGS 121323.10 Job Number
B3259551/095 Scan Code



FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DDB\Plumb\140006 - P-160-60TH FL.dwg SAVED ON 2/27/2015 4:25 PM PLOTTED ON 3/9/2015 3:34 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

WITKOFF

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0334 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

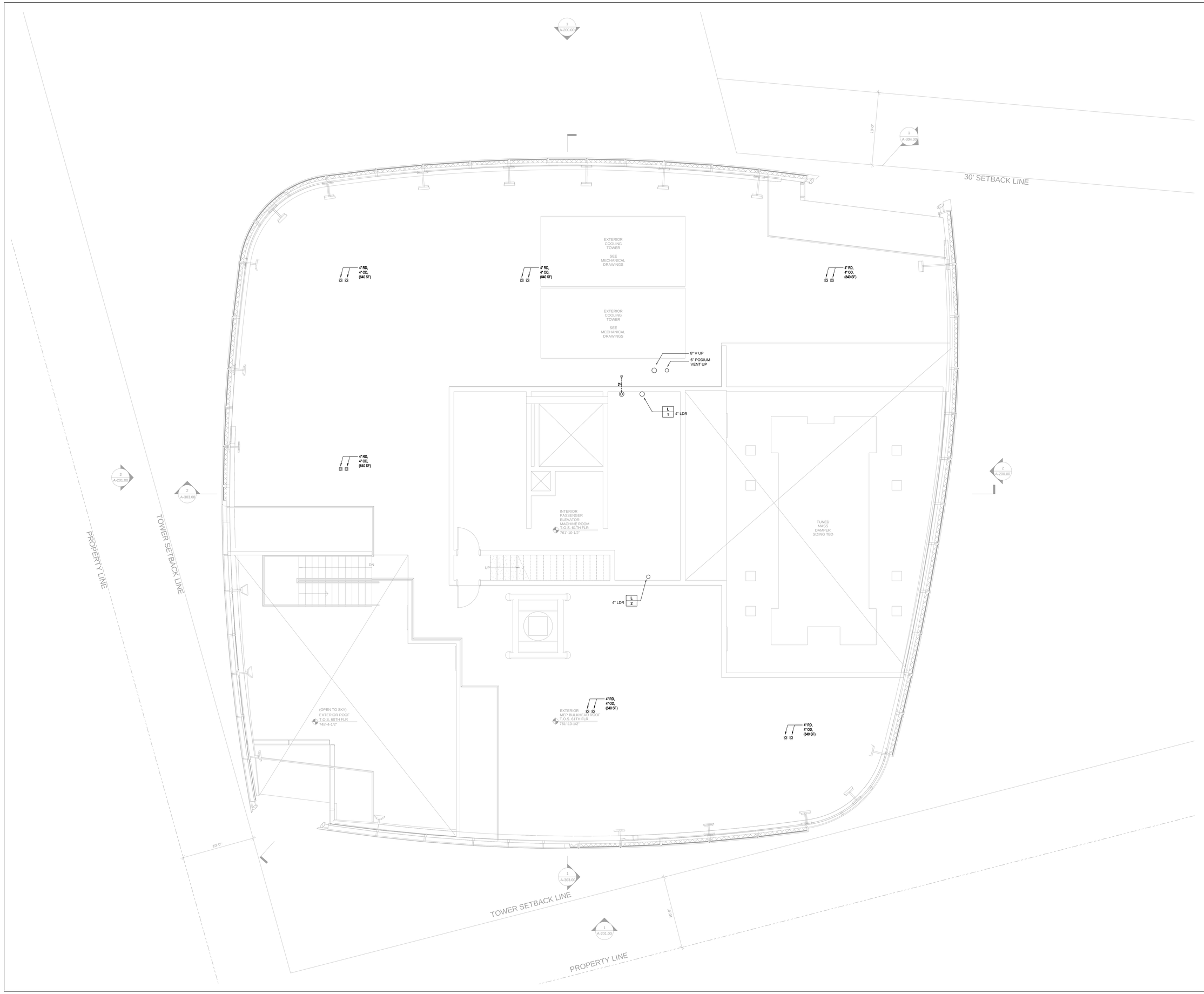
DOB STAMPS & SIGNATURES:
STATE OF NEW YORK
RAYMOND W. MATHIAS
LICENSED PROFESSIONAL ENGINEER
Approved
Date: 3/9/2015
NYC Department of Buildings

DWG TITLE:
PLUMBING
LEVEL 60

SEAL & SIGNATURE:

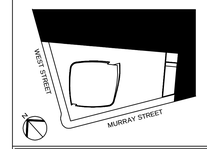
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
P-160.00
DWG NO.

DEPT OF BLDGS 121132110 Job Number
E3440026M000 Scan Code



FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-161-61TH FL.dwg SAVED DN 2/27/2015 4:25 PM PLOTTED DN 3/9/2015 3:35 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

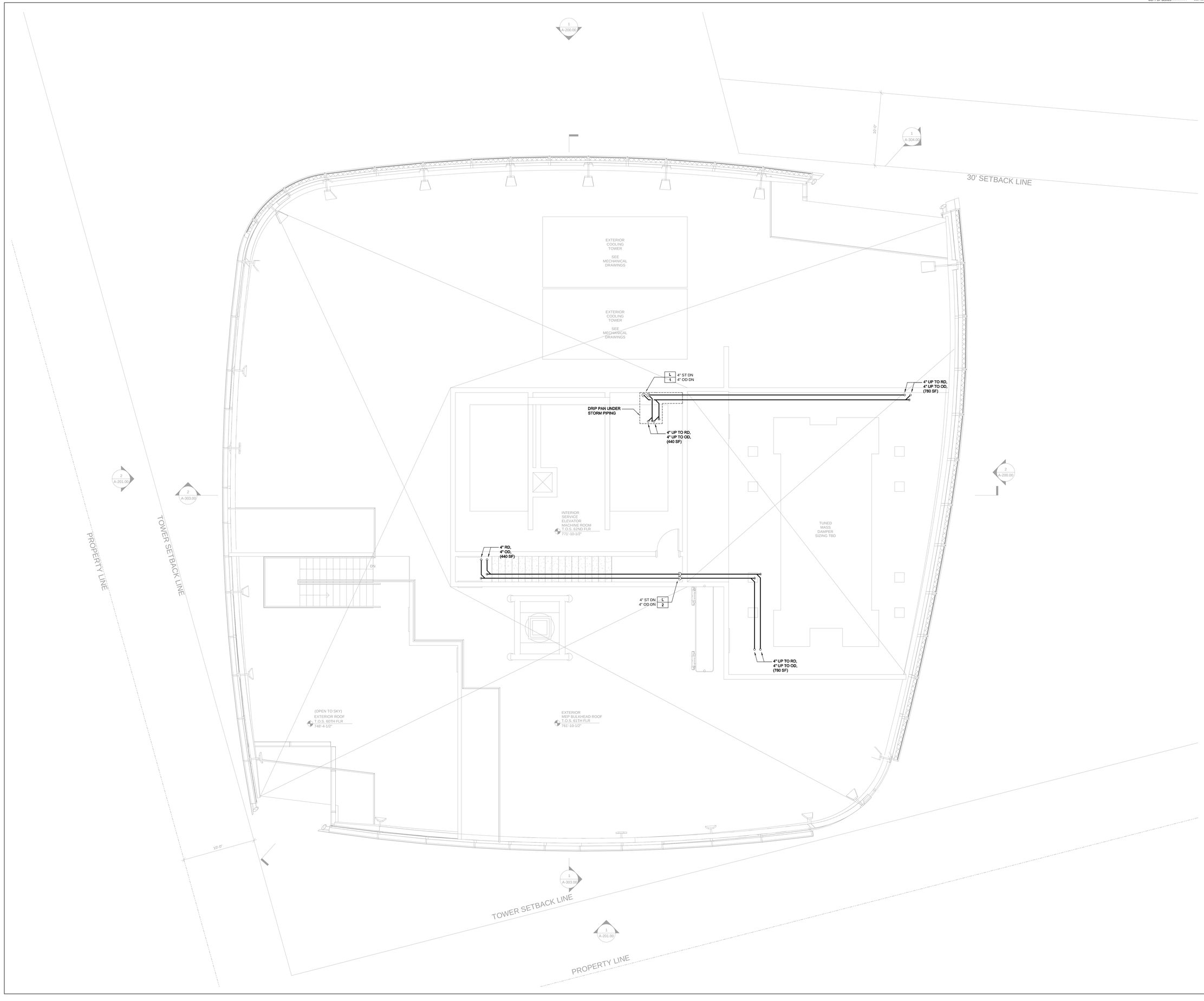
DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
SHAUQAT W. SHAIKH
PROFESSIONAL ENGINEER
APPROVED
NYC Department of Buildings

DWG TITLE:
PLUMBING
LEVEL 61 (EMR OF PASSENGER ELEVATORS)

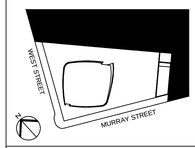
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
P-161.00
DWG NO.

DEPT OF BLDGS 421323310 Job Number
E3304840053 Scan Code



KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

WITKOFF

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:

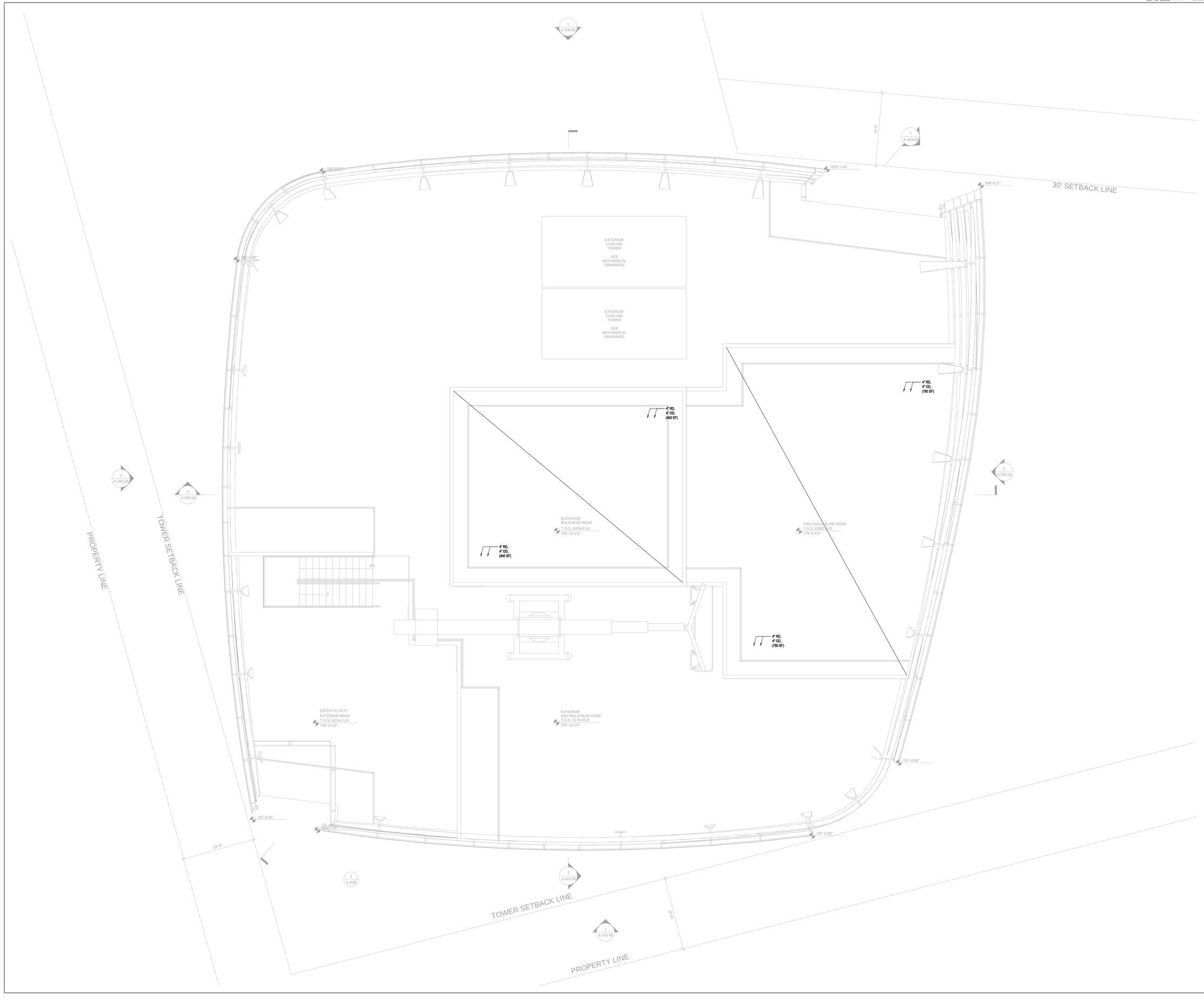
DWG TITLE:
PLUMBING
LEVEL 62 SEMR (ROOF)

SEAL & SIGNATURE:

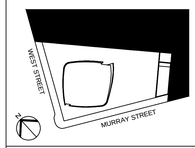
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
P-162.00
DWG NO.

FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-162-62ND FL.dwg SAVED ON 2/27/2015 4:24 PM PLOTTED ON 3/9/2015 3:35 PM PLOTTED BY ISRAEL, YOUSSEF

DEPT OF BLDGS 421323310 Job Number
ES1995215977 Scan Code



KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
STATE OF NEW YORK
MARTIN W. MAY
049352
LICENSED PROFESSIONAL ENGINEER
Professional Engineer
Date of Signature: 03/09/2015
NYC Department of Buildings

DWG TITLE:
PLUMBING
TOWER ROOF PLAN

SEAL & SIGNATURE:

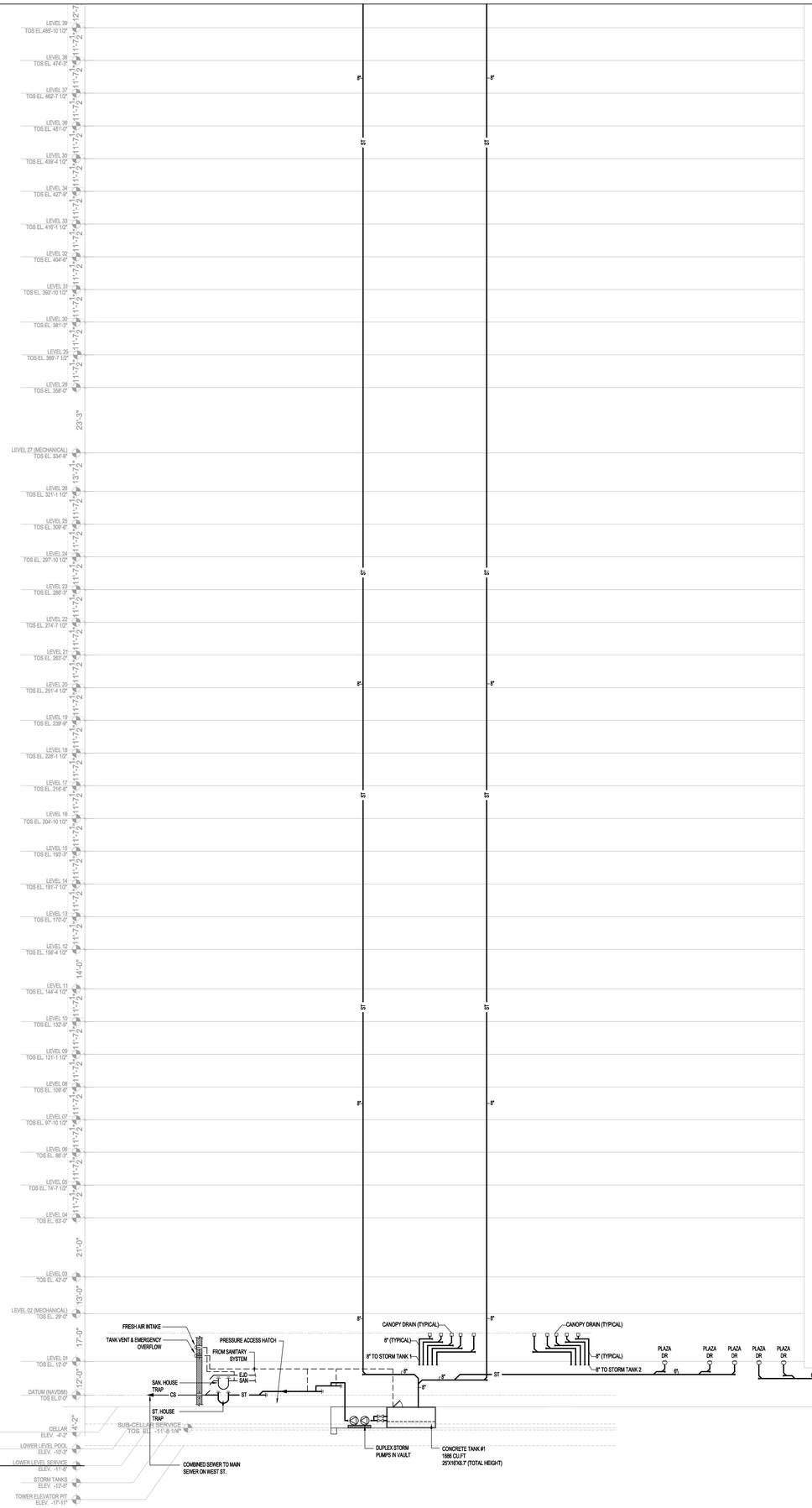
DATE: 09/15/14
PROJECT #: 140006
SCALE: 1/4"=1'-0"
P-163.00
DWG NO.

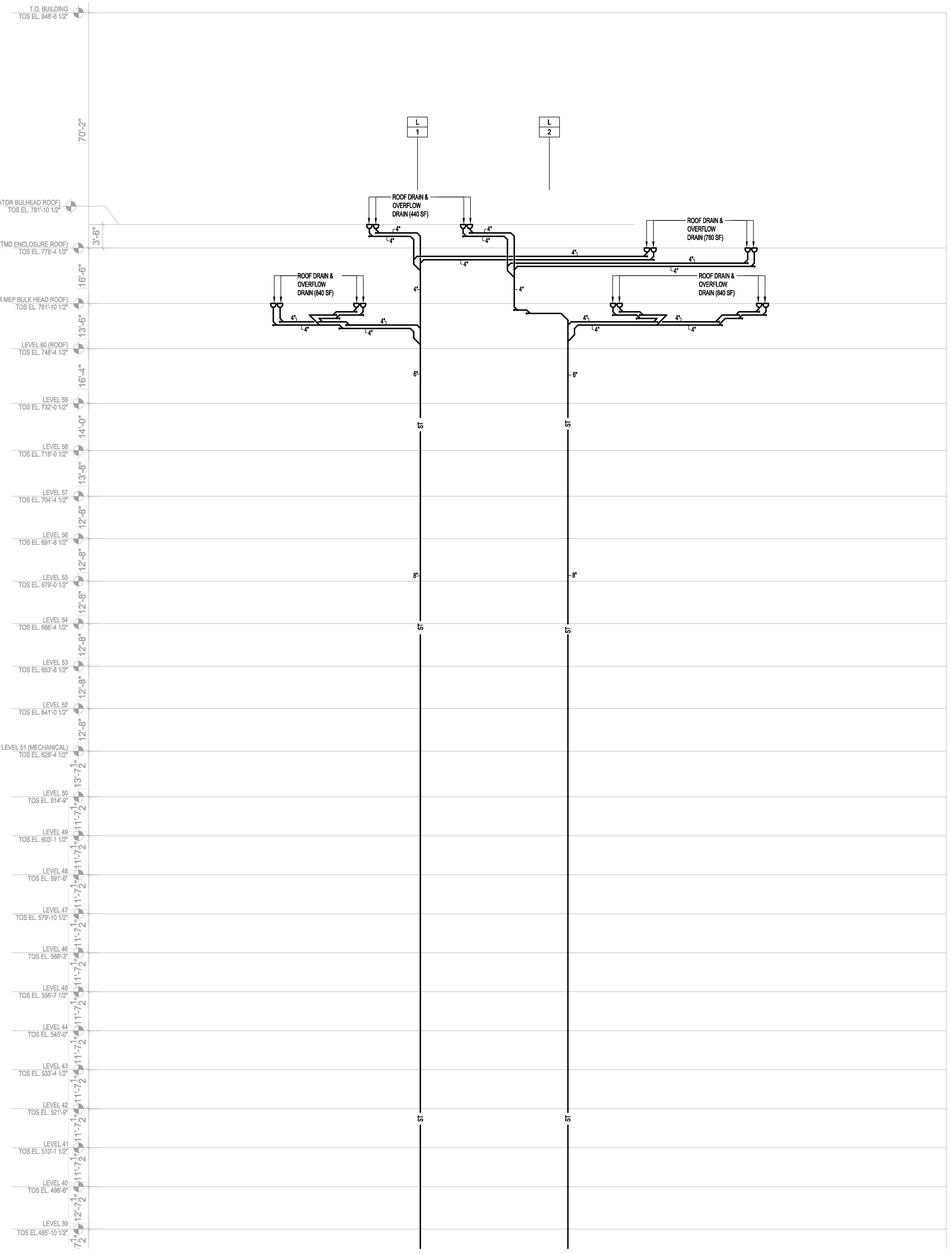
30 OF 41

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-163-TOWER ROOF PLAN.dwg SAVED ON 2/27/2015 4:24 PM PLOTTED ON 3/9/2015 3:36 PM PLOTTED BY ISRAEL, YOUSSEF

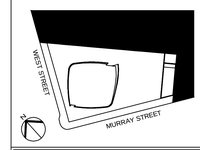
FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-301-Storm.dwg SAVED ON 2/27/2015 4:24 PM PLOTTED BY ISRAEL, YOUSSEF
PLOTTED ON 3/9/2015 3:36 PM

DEPT OF BLDGS 421323310 Job Number
ES3735154M Scan Code





KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

WITKOFF

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

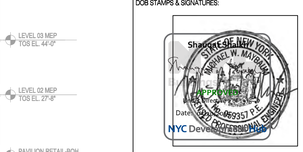
LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:



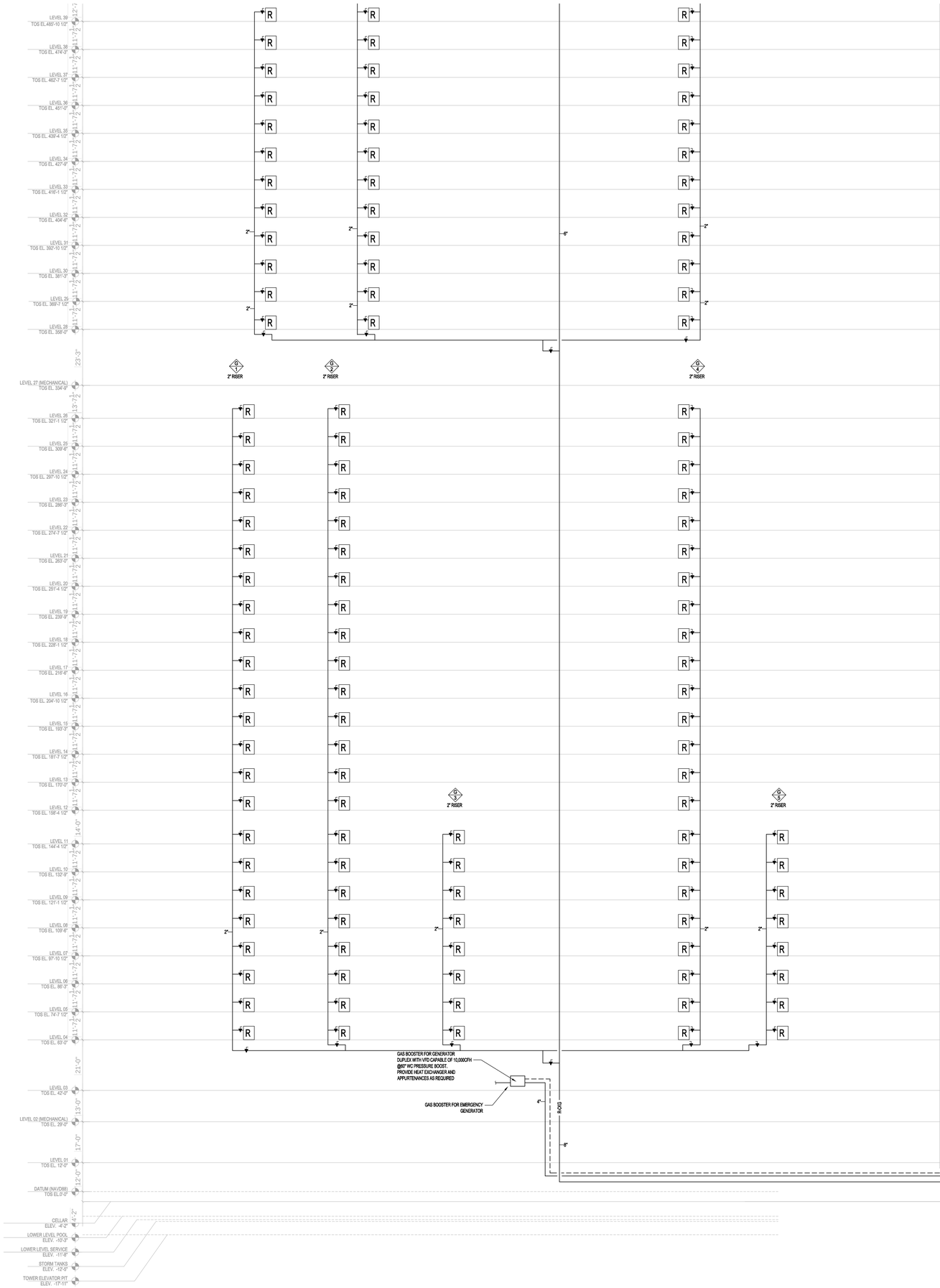
DWG TITLE:
PLUMBING
STORM RISER

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: N.T.S.
P-301.00
DWG NO.

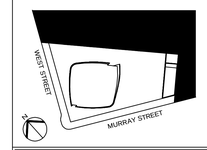
DEPT OF BLDGS 421323 00 Job Number
E3800645R4M1 Scan Code

FOR CONTINUATION, SEE GAS RISER PART 2 (DWG. P-302A.00)



FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DDB\Plumb\140006 - P-302A-302B-Gas.dwg SAVED ON 2/27/2015 4:24 PM PLOTTED ON 3/9/2015 3:37 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shaukat Shaikh
STATE OF NEW YORK
ISRAEL W. MARGOLIN
APPROVED
NYC DEPARTMENT OF BUILDINGS
NYC DEPARTMENT OF BUILDINGS PROFESSIONAL ENGINEER

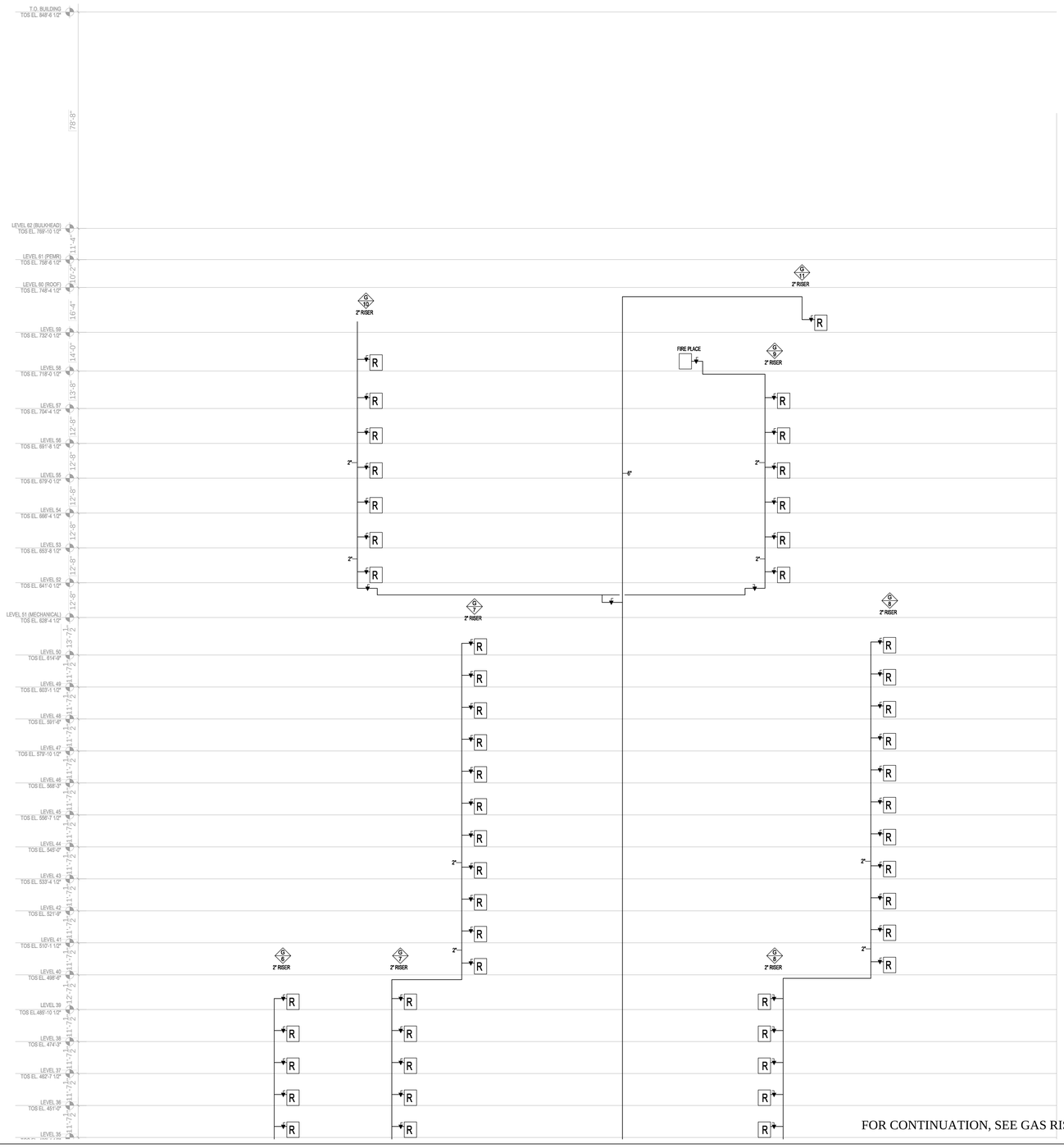
DWG TITLE:
PLUMBING
GAS RISER
SHEET #1

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: N.T.S.
P-302A.00
DWG NO.

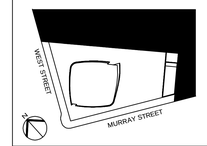
DEPT OF BLDGS 421323.10 Job Number
B0B0000000 Scan Code

FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-302A-302B-Gas.dwg SAVED ON 2/27/2015 4:24 PM PLOTTED ON 3/9/2015 3:37 PM PLOTTED BY ISRAEL, YOUSSEF



FOR CONTINUATION, SEE GAS RISER PART 1 (DWG. P-302.00)

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
ISRAEL W. MAYSKIN
APPROVED
NYC DEPARTMENT OF BUILDINGS
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
PLUMBING
GAS RISER
SHEET #2

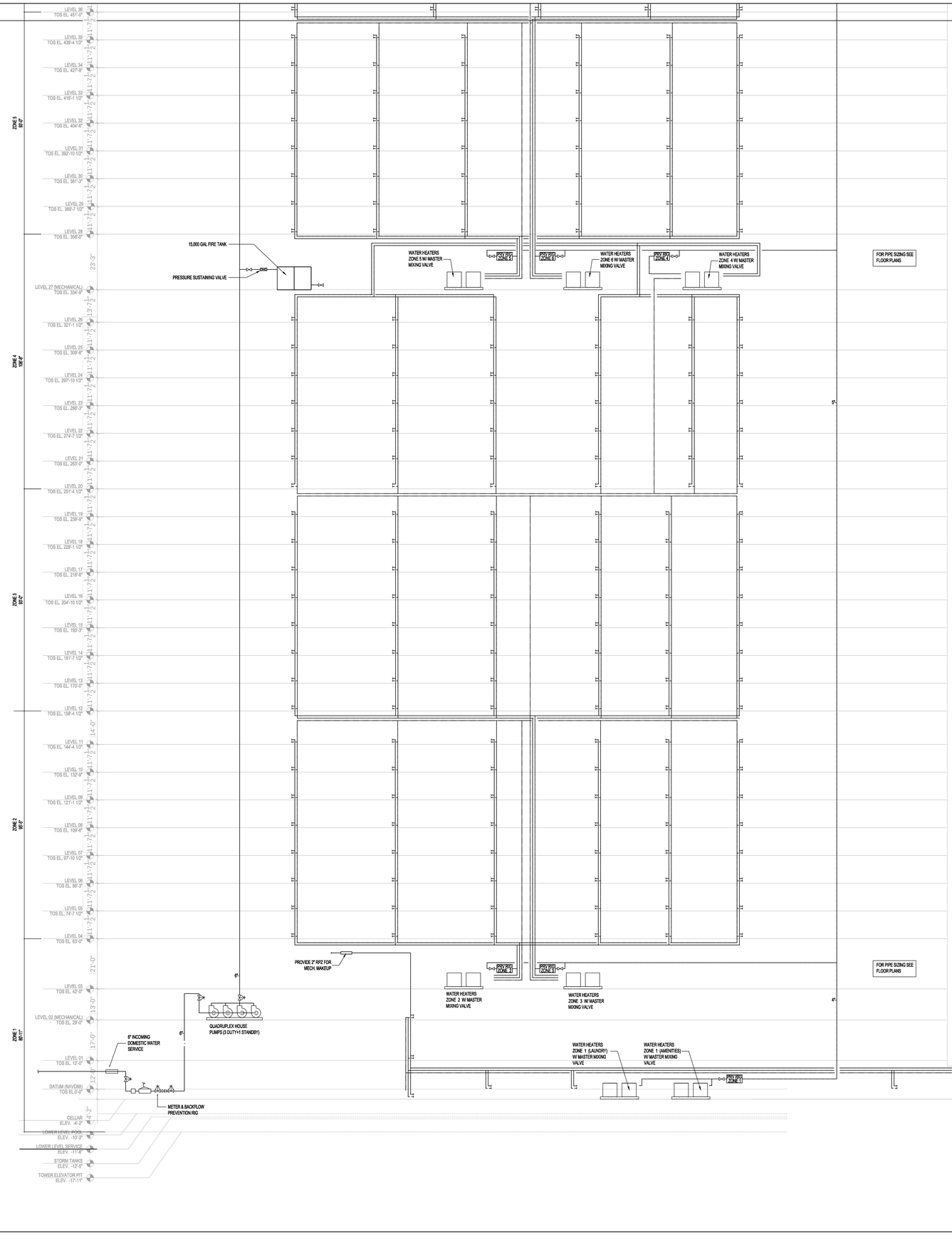
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: N.T.S.
DWG NO. P-302B.00

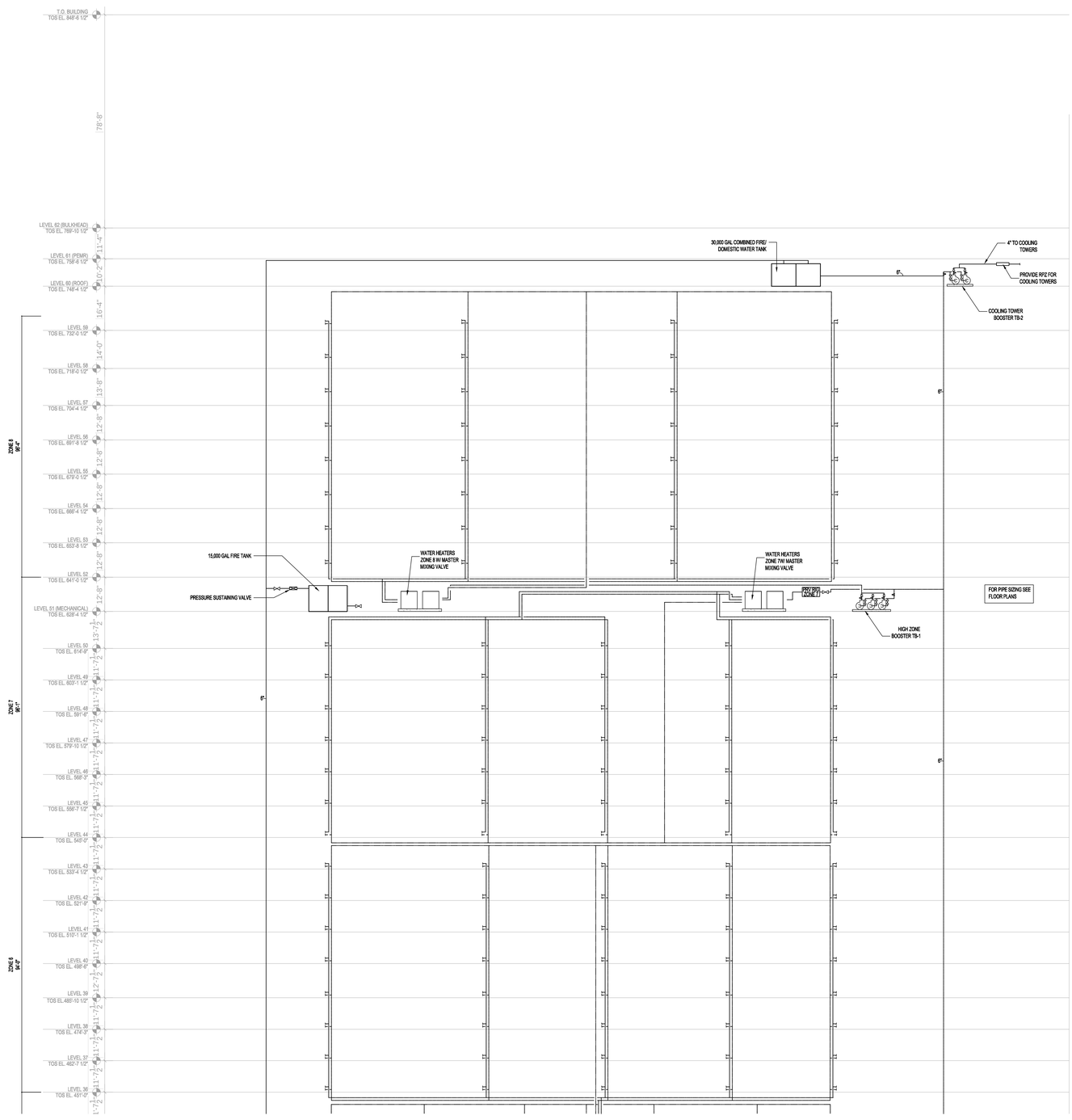
33 OF 41

DEPT OF BLDGS 421323 10 Job Number
B3405411001 Scan Code

FOR CONTINUATION SEE WATER RISER PART 2 DWG. P-303B.00


ZONE 5
60'-0"
ZONE 4
60'-0"
ZONE 3
60'-0"
ZONE 2
60'-0"
ZONE 1
60'-11"
LEVEL 36
TOS EL. 451'-0"
LEVEL 35
TOS EL. 439'-4 1/2"
LEVEL 34
TOS EL. 427'-9"
LEVEL 33
TOS EL. 416'-1 1/2"
LEVEL 32
TOS EL. 404'-6"
LEVEL 31
TOS EL. 392'-10 1/2"
LEVEL 30
TOS EL. 381'-3"
LEVEL 29
TOS EL. 369'-7 1/2"
LEVEL 28
TOS EL. 358'-0"
LEVEL 27 (MECHANICAL)
TOS EL. 334'-9"
LEVEL 26
TOS EL. 321'-1 1/2"
LEVEL 25
TOS EL. 309'-6"
LEVEL 24
TOS EL. 297'-10 1/2"
LEVEL 23
TOS EL. 286'-3"
LEVEL 22
TOS EL. 274'-7 1/2"
LEVEL 21
TOS EL. 263'-0"
LEVEL 20
TOS EL. 251'-4 1/2"
LEVEL 19
TOS EL. 239'-9"
LEVEL 18
TOS EL. 228'-1 1/2"
LEVEL 17
TOS EL. 216'-6"
LEVEL 16
TOS EL. 204'-10 1/2"
LEVEL 15
TOS EL. 193'-3"
LEVEL 14
TOS EL. 181'-7 1/2"
LEVEL 13
TOS EL. 170'-0"
LEVEL 12
TOS EL. 158'-4 1/2"
LEVEL 11
TOS EL. 144'-4 1/2"
LEVEL 10
TOS EL. 132'-0"
LEVEL 09
TOS EL. 121'-1 1/2"
LEVEL 08
TOS EL. 109'-6"
LEVEL 07
TOS EL. 97'-10 1/2"
LEVEL 06
TOS EL. 86'-3"
LEVEL 05
TOS EL. 74'-7 1/2"
LEVEL 04
TOS EL. 63'-0"
LEVEL 03
TOS EL. 42'-0"
LEVEL 02 (MECHANICAL)
TOS EL. 29'-0"
LEVEL 01
TOS EL. 12'-0"
DATUM (NAVD88)
TOS EL 0'-0"
CELLAR
ELEV. -4'-2"
LOWER LEVEL POOL
ELEV. -10'-3"
LOWER LEVEL SERVICE
ELEV. -11'-6"
STORM TANKS
ELEV. -12'-9"
TOWER ELEVATOR PIT
ELEV. -17'-11"
15,000 GAL FIRE TANK
PRESSURE SUSTAINING VALVE
WATER HEATERS
ZONE 6 W/ MASTER
MIXING VALVE
PRV BPD
(ZONE 6)
PRV BPD
(ZONE 5)
WATER HEATERS
ZONE 5 W/ MASTER
MIXING VALVE
PRV BPD
(ZONE 4)
WATER HEATERS
ZONE 4 W/ MASTER
MIXING VALVE
FOR PIPE SIZING SEE
FLOOR PLANS
PROVIDE 2" RPZ FOR
MECH. MAKEUP
PRV BPD
(ZONE 2)
PRV BPD
(ZONE 3)
WATER HEATERS
ZONE 2 W/ MASTER
MIXING VALVE
WATER HEATERS
ZONE 3 W/ MASTER
MIXING VALVE
FOR PIPE SIZING SEE
FLOOR PLANS
PROVIDE 2" RPZ FOR
MECH. MAKEUP
ROOF MEP
TOS EL. 60'-4"
LEVEL 03 MEP
TOS EL. 44'-0"
LEVEL 02 MEP
TOS EL. 27'-8"
PAVILION RETAIL-BOH
TOS EL. 9'-8"
CELLAR
TOS EL. -4'-2"
16'-4"
16'-4"
18'-0"
13'-10"
6" INCOMING
DOMESTIC WATER
SERVICE
QUADRUPLEX HOUSE
PUMPS (3 DUTY+1 STANDBY)
METER & BACKFLOW
PREVENTION RIG
WATER HEATERS
ZONE 1 (LAUNDRY)
W/ MASTER MIXING
VALVE
WATER HEATERS
ZONE 1 (AMENITIES)
W/ MASTER MIXING
VALVE
PRV BPD
(ZONE 1)
6"
6"
6"

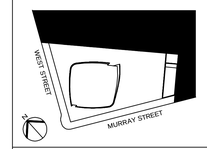
DEPT OF BLDGS 421323310 Job Number
E399561693305 Scan Code



FOR CONTINUATION SEE WATER RISER PART 1 - DWG. P-303A.00

FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-303B-Water.dwg SAVED DN 2/27/2015 4:23 PM PLOTTED DN 3/9/2015 3:38 PM PLOTTED BY ISRAEL, YOUSSEF

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MARSH
APPROVED
Plumbing Plan Examiner
Date: 3/9/2015
NYC DEPARTMENT OF BUILDINGS
LICENSED PROFESSIONAL ENGINEER

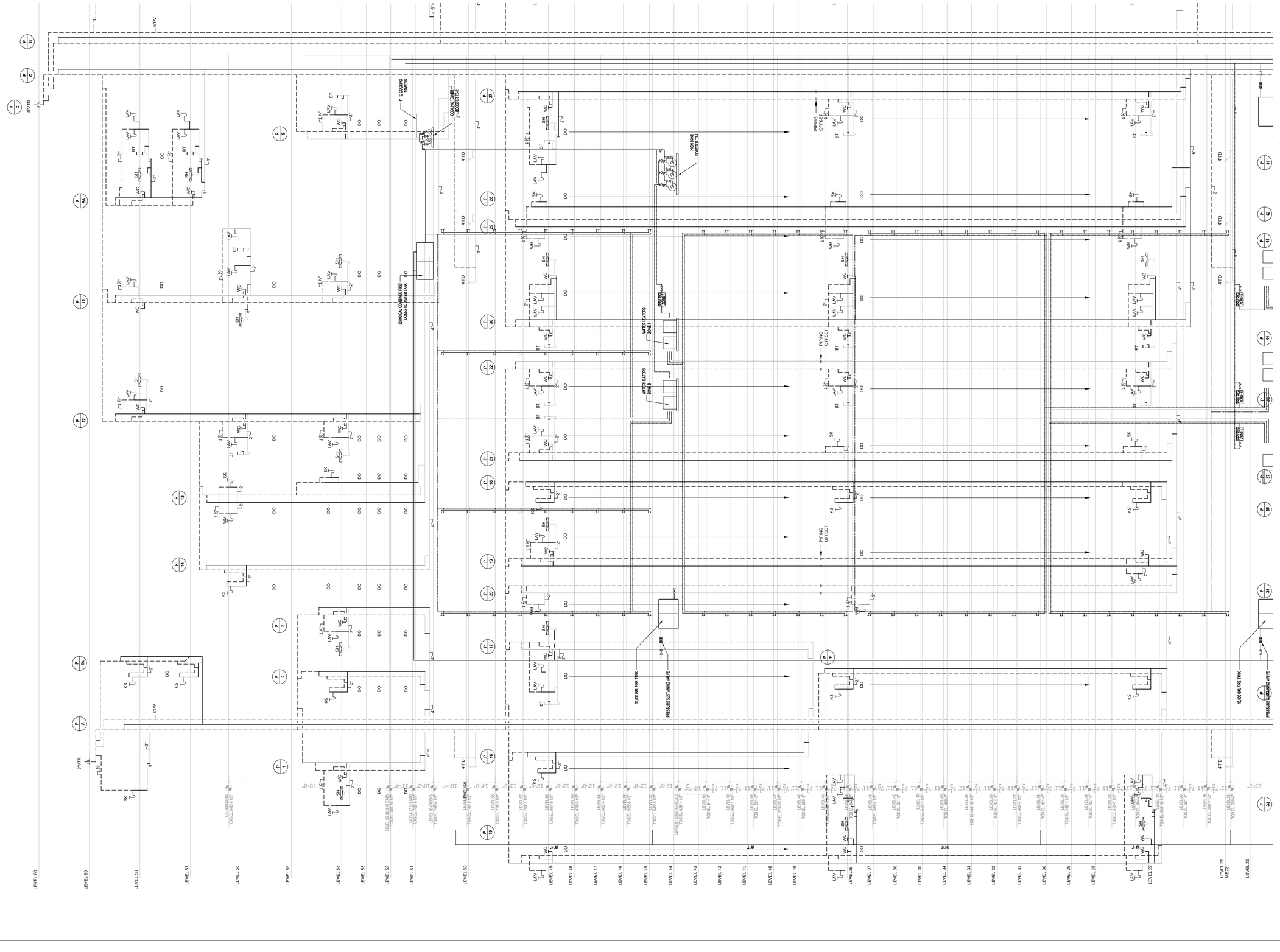
DWG TITLE:
PLUMBING
WATER RISER PART 2

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: NTS
P-303B.00
DWG NO.

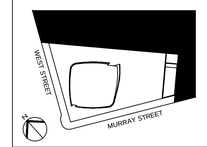
DEPT OF BLDGS 421132.10 Job Number
E20150307535 Scan Code

FOR CONTINUATION, SEE SANITARY RISER PART 2 (DWG. P-305A.00)



FOR CONTINUATION, SEE SANITARY RISER PART 3 (DWG. P-305B.00)

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MARSHALL
APPROVED
Borough Commissioner
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGINEER

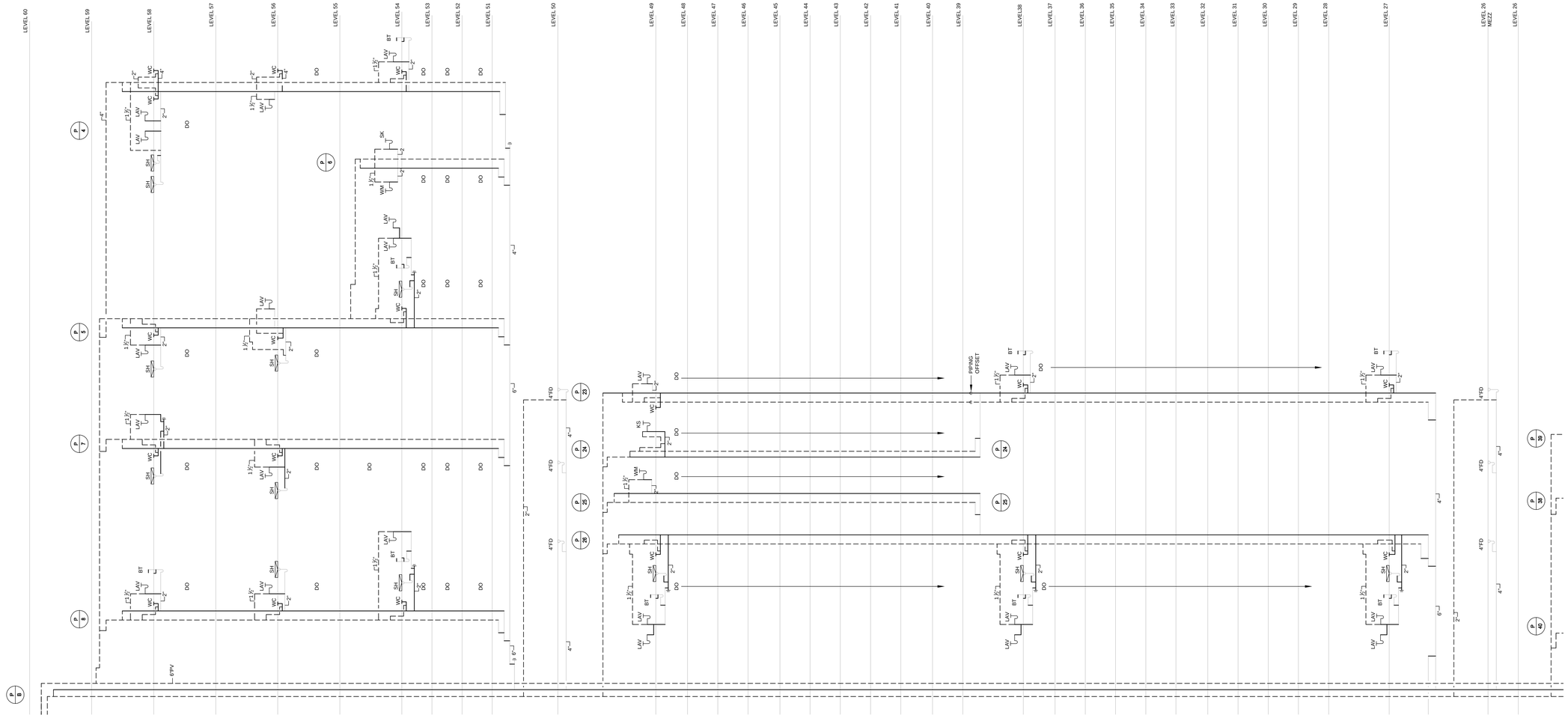
DWG TITLE:
PLUMBING
SANITARY RISER PART 1

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: NTS
DWG NO. P-304A.00
36 OF 41

FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-304A- Sanitary SAVED ON 2/27/2015 4:23 PM PLOTTED ON 3/9/2015 3:39 PM PLOTTED BY ISRAEL, YOUSSEF

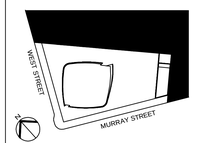
DEPT OF BLDGS 421133210 Job Number
B1155540740 Scan Code



FOR CONTINUATION, SEE SANITARY RISER PART 4 (DWG. P-305C.00)

FOR CONTINUATION, SEE SANITARY RISER PART 1 (DWG. P-305.00)

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
ISRAEL W. MARSHAK
APPROVED
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGINEER

DWG TITLE:
PLUMBING
SANITARY RISER PART 2

SEAL & SIGNATURE:

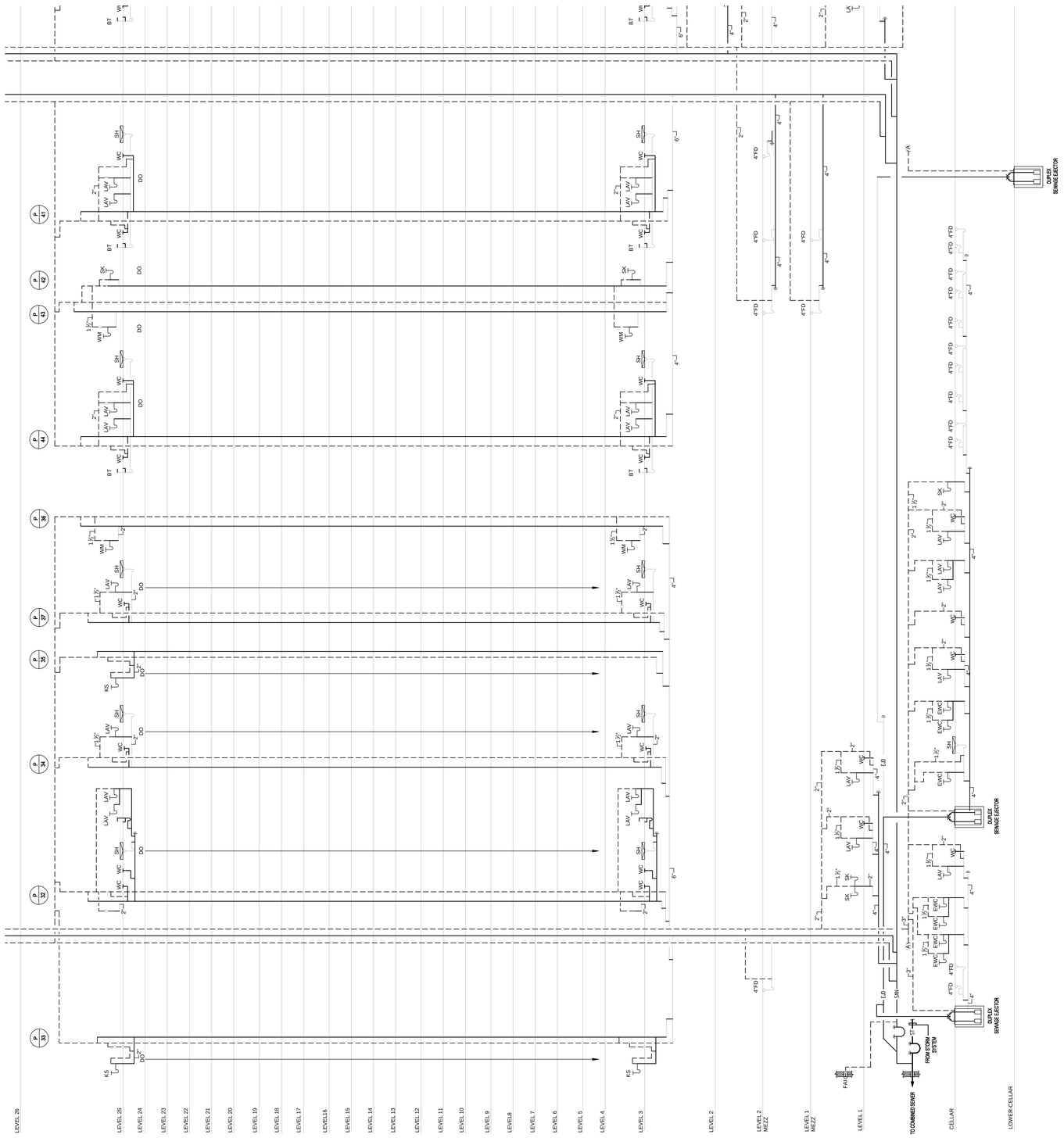
DATE: 09/15/14
PROJECT #: 140006
SCALE: NTS
P-304B.00
DWG NO.

37 OF 41

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-304B- Sand.dwg SAVED ON 2/27/2015 4:23 PM PLOTTED ON 3/9/2015 3:39 PM PLOTTED BY ISRAEL, YOUSSEF

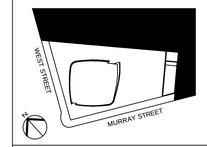
DEPT OF BLDGS 421132110 Job Number
E5154341298 Scan Code

FOR CONTINUATION, SEE SANITARY RISER PART 4 (DWG. P-305C.00)



FOR CONTINUATION, SEE SANITARY RISER PART 1 (DWG. P-305.00)

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5700, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
ISRAEL W. MARKOWITZ
APPROVED
Borough Commissioner
Manhattan
NYC DEPARTMENT OF BUILDINGS
LICENSED PROFESSIONAL ENGINEER

DWG TITLE:
PLUMBING
SANITARY RISER PART 3

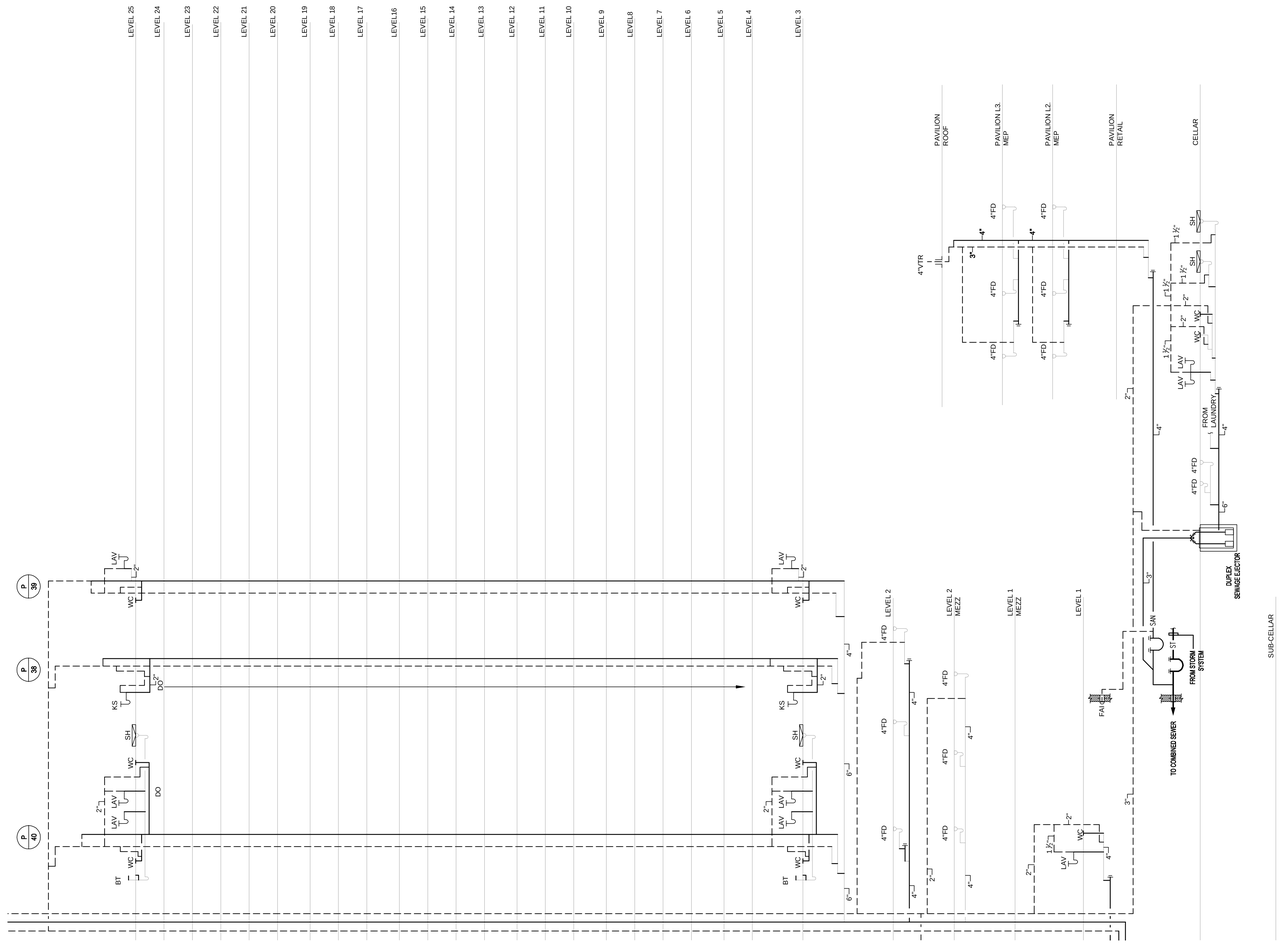
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: NTS
P-304C.00
DWG NO.

FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-304C- Sanitary SAVED ON 2/27/2015 4:23 PM PLOTTED ON 3/9/2015 3:40 PM PLOTTED BY ISRAEL, YOUSSEF

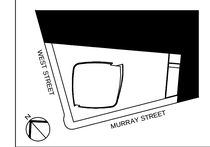
DEPT OF BLDGS 421323310 Job Number
ES7464310235 Scan Code

FOR CONTINUATION, SEE SAN RISER PART 2 (DWG. P-305A.00)



FOR CONTINUATION, SEE SAN RISER PART 3 (DWG. P-305B.00)

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

Number:	Date:	Revision:

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR
ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK
DANIEL W. MONTANO
APPROVED
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGINEER

DWG TITLE:
PLUMBING
SANITARY RISER PART 4

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: NTS
P-304D.00
DWG NO.
39 OF 43

PLOTTED BY ISRAEL, YOUSSEF
FILE NAME I:\140006 - 101 Murray\Issued\15-03-09 DOB\Plumb\140006 - P-304D- San.dwg SAVED ON 2/27/2015 4:22 PM PLOTTED ON 3/9/2015 3:40 PM PLOTTED BY

DEPT OF BLDGS 421332310 Job Number
E3612756551 Scan Code

PLUMBING PUMPS

PUMP COMP. / ABBREV.	No REQUIRED	G.P.M. EACH PUMP	G.P.M. PER SET	T.D.H.	MODEL No.	MECH. SEAL	STAGES	VERTICAL SPLIT	HORIZONTAL SPLIT	WORKING PRESS.	H.P.	R.P.M.	VOLTS	PHASE	CYCLE	MANUAL CONTROL	STARTING STEPS	AUTO CONTROL	PILOT LIGHT	PRESSURE GAUGE RANGE	CONTROL CENTER	EMERGENCY POWER	CUSHION TANK	OIL MINDER CONTROLS	NOTES
PEERLESS BELL & GOSSETT FLYGHT SYNCROFLOW GOULDS (ITT) PUMPS STANCOR (P) (B&G) (F) (S) (ITT) (ST)																									
THP-1 TOWER HOUSE PUMPS CELLAR	1	133	399	372	(P) 2TUT8A	●	4		●	500	225	3500	460	3	60			●	●		●	●				3 DUTY PUMPS & 1 STANDBY PUMP WITH VFD
TB-1 TOWER BOOSTER (HIGH ZONES) 50TH FLOOR	3	50	160	64	(P) THV32	●	5		●	400	10	1800	460	3	60			●	●		●	●	●			2 DUTY PUMPS, 1 STANDBY PUMP WITH VFD, & AMTROL MODEL WX-405C DIAPHRAGM TANK
TB-2 COOLING TOWER BOOSTER	2	100	160	47	(P) THV40	●	4		●	400	7.5	1800	460	3	60			●	●		●		●			1 DUTY PUMP, 1 STANDBY PUMP, & AMTROL MODEL WX-404C DIAPHRAGM TANK
SE-1 SEWAGE EJECTOR	2	140	80	17	(F) 4" NP.3102-463A	●	1		●		5	1720	460	3	60			●	●		●	●				1 DUTY PUMP & 1 STANDBY PUMP
SE-2 SEWAGE EJECTOR	2	120	80	18	(F) 4" NP.3102-463A	●	1		●		5	1720	460	3	60			●	●		●	●				1 DUTY PUMP & 1 STANDBY PUMP
SE-3 SEWAGE EJECTOR	2	120	80	18	(F) 4" NP.3102-463A	●	1		●		5	1720	460	3	60			●	●		●	●				1 DUTY PUMP & 1 STANDBY PUMP
SE-4 SEWAGE EJECTOR	2	150	80	30	(F) 4" NP.3127-438A	●	1		●		10	1735	460	3	60			●	●		●	●				1 DUTY PUMP & 1 STANDBY PUMP
ST-1 STORM PUMPS	2	40	40	20	CZ 3085 MT 3~433	●	1		●		2	1750	460	1	60			●	●		●	●				1 DUTY PUMP & 1 STANDBY PUMP WITH VFD
ST-2 STORM PUMPS	2	72	72	15	CZ 3085 MT 3~438	●	1		●		2	1750	460	1	60			●	●		●	●				1 DUTY PUMP & 1 STANDBY PUMP WITH VFD
HWC-1 CIRCULATION PUMPS	2	20	20	20	GRUNDFOS CRN	●	1		●		2	1150	460	3	60											
HWC-2 CIRCULATION PUMPS	2	15	15	15	GRUNDFOS CRN	●	1		●		2	1150	460	3	60											
HWC-3 CIRCULATION PUMPS	2	20	20	20	GRUNDFOS CRN	●	1		●		2	1150	460	3	60											
HWC-4 CIRCULATION PUMPS	2	15	15	15	GRUNDFOS CRN	●	1		●		2	1150	460	3	60											
HWC-5 CIRCULATION PUMPS	2	20	20	20	GRUNDFOS CRN	●	1		●		2	1150	460	3	60											
HWC-6 CIRCULATION PUMPS	2	15	15	15	GRUNDFOS CRN	●	1		●		2	1150	460	3	60											
HWC-7 CIRCULATION PUMPS	2	20	20	20	GRUNDFOS CRN	●	1		●		2	1150	460	3	60											
HWC-8 CIRCULATION PUMPS	2	15	15	15	GRUNDFOS CRN	●	1		●		2	1150	460	3	60											
ESP-1 ELEVATOR SUMP PUMP	1	50	50	15	STANCOR SE-100	●	1		●		1	1150	460	3	60											1 DUTY PUMP
ESP-2 ELEVATOR SUMP PUMP	1	50	50	15	STANCOR SE-100	●	1		●		1	1150	460	3	60											1 DUTY PUMP
ESP-3 ELEVATOR SUMP PUMP	1	50	50	15	STANCOR SE-100	●	1		●		1	1150	460	3	60											1 DUTY PUMP
ESP-4 ELEVATOR SUMP PUMP	1	50	50	15	STANCOR SE-100	●	1		●		1	1150	460	3	60										●	1 DUTY PUMP

DOMESTIC WATER HEATERS

HTR. MANUF. ABBREV. / DESIGNATION/ZONE	NO. REQUIRED	MANUFACTURER & MODEL NO.	DOM. WATER INSTANTANEOUS FLOW, GPM	TANK DATA: STORAGE CAP.,GALS.	TANK DATA: PRESSURE RATING(*) (ST. TANK DP. TANK CIRC PUMPS)	RECOVERY IN GAL.-HR./MIN. AT 100 °F TEMP.RISE	BOILER WATER DATA: BOILER WATER, GPM	BOILER WATER DATA: BOILER WATER PRESSURE RATING	BOILER WATER DATA: PRESSURE DROP	BOILER WATER DATA: ENTERING T.	BOILER WATER DATA: LEAVING T.	GAS INPUT IN BTU/HR.	DOMESTIC HW TEMP. OUT	NOTES / LOCATION
DWH-1 & DWH-1A (AMENITIES Z1)	2	PVI-EZ Plate 1200 L 215A-TRPF	N/A	215	150	870	20	120	2.5	160	87	N/A	140	CELLAR FLOOR – PROVIDE ARMSTRONG ELECTRONIC MIXING VALVE TO 120F
DWH-2 & DWH-2A (LAUNDRY Z1)	2	PVI-EZ Plate 1200 L 215A-TRPF	N/A	215	150	870	20	120	2.5	160	87	N/A	140	CELLAR FLOOR – PROVIDE ARMSTRONG ELECTRONIC MIXING VALVE TO 120F
DWH-3 & DWH-4 (ZONE 2)	2	PVI-EZ Plate 600L 215A-TRPF	N/A	215	150	450	10	100	1.6	160	85	N/A	140	2ND FLOOR – PROVIDE ARMSTRONG ELECTRONIC MIXING VALVE TO 120F
DWH-5 & DWH-6 (ZONE 3)	2	PVI-EZ Plate 600L 215A-TRPF	N/A	215	200	450	10	100	1.6	160	85	N/A	140	2ND FLOOR – PROVIDE ARMSTRONG ELECTRONIC MIXING VALVE TO 120F
DWH-7 & DWH-8 (ZONE 4)	2	PVI-EZ Plate 600L 215A-TRPF	N/A	215	150	450	10	300	1.6	160	85	N/A	140	27TH FLOOR – PROVIDE ARMSTRONG ELECTRONIC MIXING VALVE TO 120F
DWH-9 & DWH-10 (ZONE 5)	2	PVI-EZ Plate 600L 215A-TRPF	N/A	215	150	450	10	300	1.6	160	85	N/A	140	27TH FLOOR – PROVIDE ARMSTRONG ELECTRONIC MIXING VALVE TO 120F
DWH-11 & DWH-12 (ZONE 6)	2	PVI-EZ Plate 600L 215A-TRPF	N/A	215	200	450	10	300	1.6	160	85	N/A	140	27TH FLOOR – PROVIDE ARMSTRONG ELECTRONIC MIXING VALVE TO 120F
DWH-13 & DWH-14 (ZONE 7)	2	PVI-EZ Plate 600L 215A-TRPF	N/A	215	150	450	10	100	1.6	160	85	N/A	140	51ST FLOOR – PROVIDE ARMSTRONG ELECTRONIC MIXING VALVE TO 120F
DWH-15 & DWH-16 (ZONE 8)	2	PVI-EZ Plate 600L 215A-TRPF	N/A	215	150	450	10	100	1.6	160	85	N/A	140	51ST FLOOR – PROVIDE ARMSTRONG ELECTRONIC MIXING VALVE TO 120F

NOTES:

1) ALL DOMESTIC WATER HEATING EQUIPMENT SHALL BE EQUIPPED WITH A TEMPERATURE & PRESSURE RELIEF VALVE, EXCEPT FOR POINT OF USE TYPE WITHOUT STORAGE. EACH DOMESTIC WATER SYSTEM SHALL BE EQUIPPED WITH AN EXPANSION TANK OF SUFFICIENT SIZE TO ACCOMODATE THERMAL EXPANSION OF THE WATER CONTAINED THEREIN.
(*) ALL DOMESTIC WATER HEATING EQUIPMENT INCLUDING HEAT EXCHANGERS, STORAGE TANKS, EXPANSION TANKS, CIRCULATION PUMPS, MIXING VALVES SHALL BE PRESSURE RATED AS REQUIRED FOR THE ZONE THEY SERVE.

• PLUMBING MATERIAL SCHEDULE

SYSTEM	PIPE: REQUIRED	CAST IRON SOIL PIPE	CAST IRON WTR PIPE	DUCTILE IRON	STEEL SCHED 10	STEEL SCHED 30	STEEL SCHED 40	TYPE "K" OR "L" MEDICAL GAS TUBE	TYPE "L" COPPER TUBING	TYPE "M" COPPER TUBING	RED BRASS PIPE	COPPER DRAINAGE	BRASS	GALVANIZED	STAINLESS STEEL	MILL WRAPPED	ACID RESIST. CLAY - SILICONE	ACID RESIST. FIRE RETARDANT	BOROSILICATE GLASS	304 STAINLESS STEEL	316 STAINLESS STEEL	C.I.H.B. & SPIGOT	DRAINAGE PATTERN	CAST IRON	MALLEABLE IRON	DUCTILE IRON	CAST BRONZE	WROUGHT COPPER	CAST IRON	STAINLESS STEEL	BRASS	GALVANIZED	VICTAULIC IRON	DUCTILE IRON	WELDED	MILL WRAPPED	POLYPROPYLENE	BOROSILICATE GLASS	C.I.H.B. & SPIGOT	CAST IRON	THREADLESS BRONZE	CAULKED	SOLDERED	BRAZED	MECH.JOINT-NO HUB	MECH.JOINT-FLANGED	VICTAULIC	HOT GASKET FUSION	FUSION RESISTANCE WIRE	SS VICTAULIC FLEXIBLE COUPLING 475 & 775 AS REQUIRED
DRAINAGE BURIED	●	●																					●																											
VENTS BURIED	●	●																					●																											
HOUSE DRAINS – INSIDE OF BLDG. WALL	●	●																					●																											
HOUSE SEWERS – 5'-0" FROM OF BLDG. WALL	●		●																															●															
SANITARY STACKS	●	●																					●	●																											
SANITARY BRANCHES	●	●					●																●	●																											
LEADERS & STORM DRAINAGE SYSTEM ABOVE THE GROUND FLOOR	●	●					●																●	●																											
LEADERS & STORM DRAINAGE SYSTEM BELOW THE GROUND FLOOR (PRESSURE PIPE)	●													●	●														●	●																				
EJECTOR DISCHARGE	●						●							●									●						●	●																			
SUMP DISCHARGE	●						●							●									●						●	●																			
VENTS	●	●					●							●															●	●																			
PUMP DISCHARGE OR GRAVITY LINE 0 TO 250 PSI	●						●																●					●	●	●																			●
PUMP DISCHARGE OR GRAVITY LINE 251 TO 290 PSI	●						●																●					●	●	●																			●
PUMP DISCHARGE OR GRAVITY LINE 291 TO 400 PSI	●																						●																											●
PUMP DISCHARGE FROM PUMPS AND ALL HORIZONTAL FROM PUMPS AND 50' 0" OF VERTICAL PIPE	●														●															●																			
FIXTURE CONNECTIONS–WATER	●						●																					●	●																			
C.W. – 4" & SMALLER	●						●								●													●	●	●																			
C.W. – 5" & LARGER	●						●									●															●																		
C.W. – BURIED BUILDING SERVICE	●	●	●												●	●													●																				
C.W. – BURIED INSIDE BUILDING	●						●																					●	●																			
H.W.	●						●																					●	●																			
GAS SERVICE	●							●							●		●														●	●																	
GAS (3" AND SMALLER)	●							●							●																●	●																
GAS (4" AND LARGER)	●							●							●																●	●																

NOTE: THIS VALVE SCHEDULE IS BASED ON MILWAUKEE VALVES

PLUMBING VALVE SCHEDULE

TYPE	MILWAUKEE FIG. NO.	SIZE	VALVE SPECIFICATION: FLANGED	SCREWED	SOLDER	SWEAT	BRASS	W.C.A.P.	N.R.S.	BRONZE	ALL IRON	CAST STEEL	125# SWP	175# WWP	250# WWP	300# WWP	400# WWP	600# WWP	1440# WWP	LOCATION: BURIED SERV.	SUMP DISCH.	EJECT DISCH.	CW SERVICE	C.W. 4" & UP	C.W. 3" & 4"	HW HWC 3"&DN	C.W. 3" & 4"	C.W. 2"& DN	HW HWC 2"&DN
GATE VALVES	115	3/8"–3"		●					●	●					●										●		●	●	
	105	1/4"–3"	●						●	●					●										●				
	F–2885	2"–12"	●							●					●					●	●	●			●				
	F–2882	2"–12"	●						●	●					●														
	G–743**	2"–16"						●	●	●					●					●			●						
BALL VALVES	BA–125	1/4"–2"		●		●											●											●	●
	BA–155	1/4"–2"			●	●											●											●	●
CHECK VALVES	F–2974	2"–12"	●							●					●										●	●			
	G927**	2"–6"		●						●					●														
	2974	2"–12"	●							●					●						●	●							
	510T	1/4"–2"		●						●						●													
	1509	3/8"–3"			●					●					●										●	●	●		
	502	1/8"–3"		●						●					●										●	●			
GLOBE & ANGLE VALVES	1590T	3/8"–3"		●						●						●										●	●		
	595T	1/8"–3"		●						●						●													
	F–2981	2"–10"	●					●		●					●														
	24***	3/4"–3"		●					●	●					●										●	●	●		
	F–541**	3"–8"	●							●								●			●								
PLUG VALVES	611*	1/2"–6"		●						●					●								●						
	611*	1"–4"		●						●					●								●						
	612*	1"–8"	●							●					●								●						

* HOMESTEAD FIGURE NUMBERS
** STOCKHAM FIGURE NUMBERS

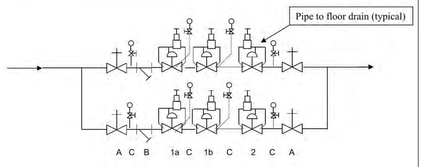
DRAINS

DESIGNATION	REQUIRED	MODEL NO.	BODY: CAST IRON	GALVANIZED	ALL BRONZE	ASSEMBLY, CONCRETE CLAMPING DEVICE	DECK CLAMP	BACK WATER VALVE	ROOF SUMP RECEIVER	BRONZE PLUG	INTEGRAL TRAP	STRAINER: CAST IRON	GALVANIZED	STAINLESS STEEL	NICKEL BRONZE	CHROME PLATED	SEDIMENT BUCKET	FLASHING CLAMP	POLISHED FINISH	SATIN FINISH	VANDAL PROOF	BRONZE MESH SCREEN	FLAT TOP	DOME TOP	SQUARE TOP	SLOTS	RAISED LIP	EXTENSION	VANDAL PROOF	REMARKS: LOCATION
FD–A	●	ZURN ZN415B-Y-P	●				●									●														FINISHED AREAS
FD–B	●	ZURN ZN150-C	●				●	●		●						●									●						AMENITY TERRACE
FD–K	●	ZURN ZN-1910-25-4IC-KC-P	●				●								●		●														KITCHEN AREA DRAINS
FD–M	●	ZURN Z875-C-VP	●				●					●																		●	MECHANICAL ROOMS
FD–P	●	ZURN Z- 541-4NH-TG-YC-VP	●				●					●						●						●		●				●	PARKING AREAS
FD–R	●	ZURN Z-100-C-R-XJ-45	●				●	●	●																		●	●			ROOF DRAIN
FD–S	●	ZURN Z-100-C-R-XJ-W3	●				●	●	●																		●	●	●		OVERFLOW ROOF DRAIN
FD–T	●	ZURN Z-665-VP-Y	●								●	●						●						●		●				●	TRENCH DRAIN AT GARAGE ENTRANCE

PRESSURE REDUCING VALVES FOR: ZONE 1 (CELLAR), ZONE 2 (3RD FL) & ZONE 3 (3RD FL)

Equipment: Master Pressure Reducing Valve Station – Domestic Cold Water

Legend:
1 = Pressure Reducing Valve (PRV), Cla-Val 90G-01ASKXHCSI 300 # Flanged, Bronze Body, SS Trim, EPDM, 30-300 psi
2 = Excess Pressure Safety Valve (XPSV), Cla-Val 50G-33KXHCSI 300 # Flanged, Bronze Body, Bronze Trim, EPDM, 20-200 psi
A = Isolation Valve, Bronze Body (Full Ported)
B = Y-Strainer, 300 # Flanged SS Body, Perf SS Strainer
C = Pressure Gauge, 4" Face, SS Case, Glycerin Fill, 0-400 psi range

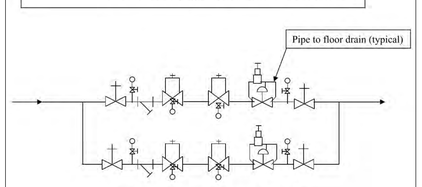


Floors Served	Zone #	PRV Size	GPM	Inlet PSI	PRV 1a Setpoint	PRV 1b Setpoint	XPSV Setpoint
12-19	3	2.5"	90	316	**N/R**	140	155
4-11	2	2.5"	120	316	150	95	110
SC-3	1	3.0"	300	332	150	85	100

PRESSURE REDUCING VALVES FOR: ZONE 4 (27TH FL)

Equipment: Cold Water Master Pressure Reducing Valve Station
Two Stage Reduction for Cavitation and Noise Reduction

Legend:
1 = Pressure Reducing Valve, JRG No. 1318KXHCSI 300 Lb MNPT, Bronze Body, SS Trim, EPDM, 28-85 psi
2 = Excess Pressure Safety Valve, Cla-Val 50G-33KXHCSI 300 Lb FNPT, Bronze Body & Trim, EPDM, 20-200 psi
A = Isolation Ball Valve, Bronze Body, Full Ported
B = Y Strainer, 800# FNPT, SS Body, Perf SS Strainer
C = Pressure Gauge, 4" SS Glycerin Filled Case 0-300 psi

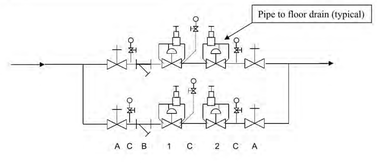


Floors Served	Zone #	PRV Size	GPM	Inlet PSI	PRV 1a Setpoint	PRV 1b Setpoint	XPSV Setpoint
20-27	4	2.5"	90	180	70	40	55

PRESSURE REDUCING VALVES FOR: ZONE 5 (27TH FL), ZONE 6 (27TH FL) & ZONE 7 (51ST FL)

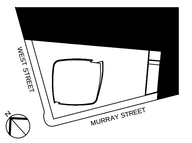
Equipment: Master Pressure Reducing Valve Station – Domestic Cold Water

Legend:
1 = Pressure Reducing Valve (PRV), Cla-Val 90G-01ASKXHCSI 150 # Flanged, Bronze Body, SS Trim, EPDM, 30-300 psi
2 = Excess Pressure Safety Valve (XPSV), Cla-Val 50G-33KXHCSI 150 # Flanged, Bronze Body, Bronze Trim, EPDM, 20-200 psi
A = Isolation Valve, Bronze Body (Full Ported)
B = Y-Strainer, 150 # Flanged SS Body, Perf SS Strainer
C = Pressure Gauge, 4" Face, SS Case, Glycerin Fill, 0-300 psi range



Floors Served	Zone #	PRV Size	GPM	Inlet PSI	PRV Setpoint	XPSV Setpoint
44-51	7	2.5"	90	92	80	N/R
36-43	6	2.5"	100	180	130	145
28-35	5	2.5"	100	180	90	105

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
2	03/09/15	DOB ISSUE
1	02/13/15	DOCUMENT ISSUE NO.7

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES
CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shaugat Shaikh
STATE OF NEW YORK
SHAIKH W. MARWAN
APPROVED
NYC DEPARTMENT OF BUILDINGS
PROFESSIONAL ENGINEER

DWG TITLE:
PLUMBING SCHEDULES

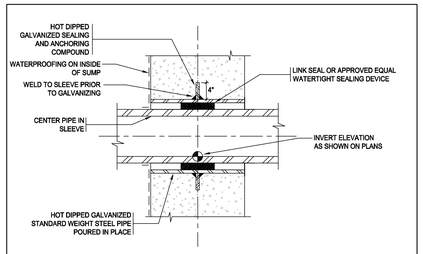
SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: N.T.S.
P-401.00
DWG NO.

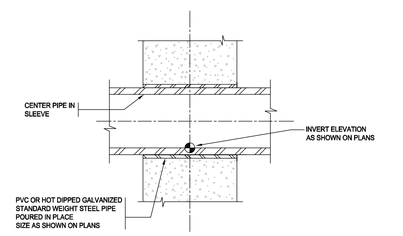
FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DDB\Plumb\140006 - P-401-Schedules.dwg SAVED ON 2/27/2015 4:25 PM PLOTTED ON 3/9/2015 3:41 PM PLOTTED BY ISRAEL, YOUSSEF

FILE NAME: I:\140006 - 101 Murray\Issued\15-03-09 DDB\Plumb\140006 - P-501-Details.dwg SAVED ON 2/27/2015 4:27 PM PLOTTED ON 3/9/2015 3:42 PM PLOTTED BY ISRAEL, YOUSSEF

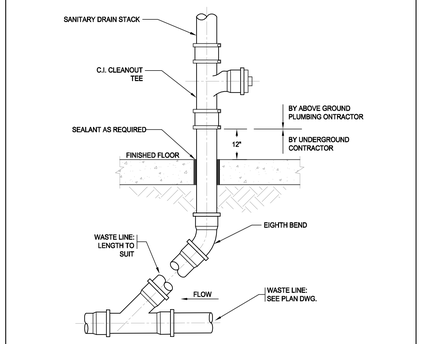
DEPT OF BLDGS 421323 10 Job Number
ES1508153M1 Scan Code



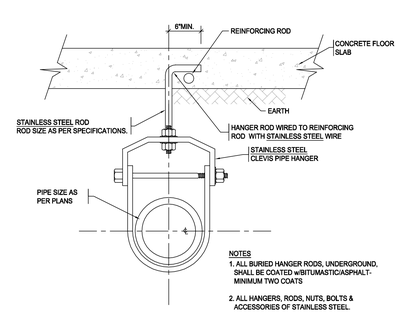
WATERTIGHT SLEEVES (WT SLV) THRU CONCRETE SUMP WALLS
NO SCALE



SLEEVE THRU CONCRETE FOUNDATION WALLS
NO SCALE

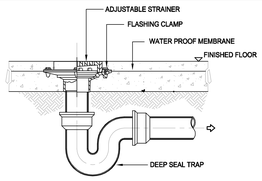


BASE-OF-STACK CLEANOUT
NO SCALE

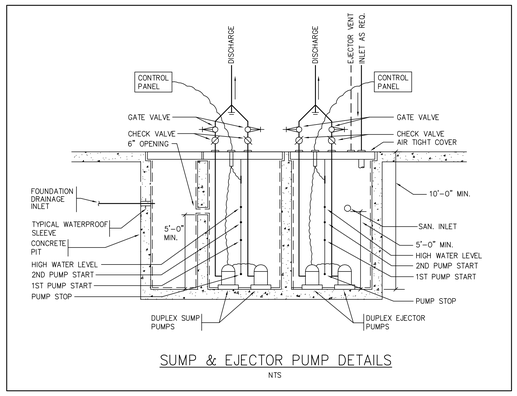


PIPE SUPPORT FOR UNDERGROUND DRAINAGE PIPING
NO SCALE

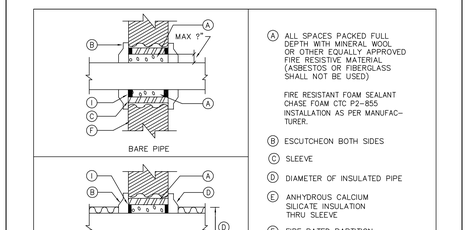
FLOOR DRAIN TRAP SEAL PROTECTION
NOT TO SCALE



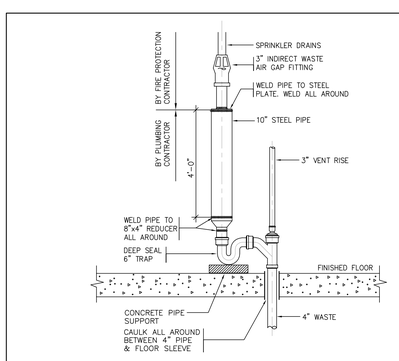
FLOOR DRAIN
NO SCALE



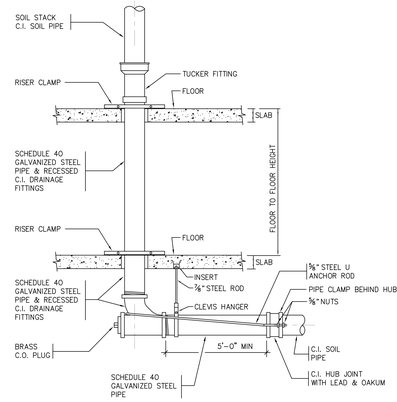
SUMP & EJECTOR PUMP DETAILS
NTS



DETAIL OF PIPING PIERCING FIRE RATED PARTITIONS, WALLS AND FLOORS
NO SCALE

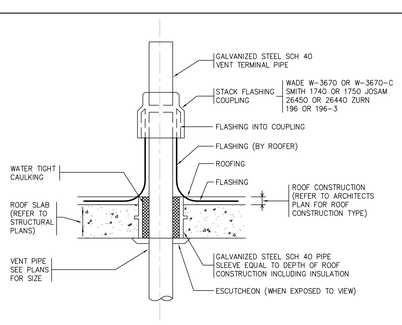


TYPICAL SPRINKLER FUNNEL DRAIN
NO SCALE

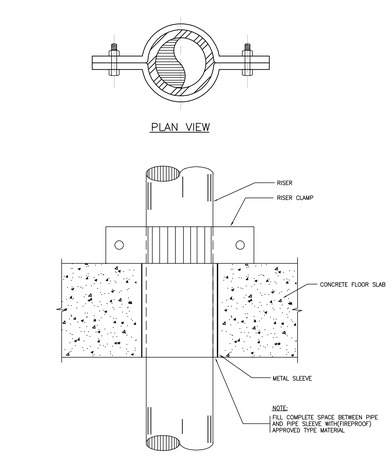


DETAIL OF PIPING AT BASE OF STACKS BASE OF LEADERS SIMILAR
NO SCALE

THIS DETAIL USED @ BASE OF HIGH RISE BUILDINGS STACKS (WHERE HIGH HEAD CONDITIONS MIGHT OCCUR OCCUR DUE TO LINE BLOCKAGES, HIGH STATIC HEADS, ETC).

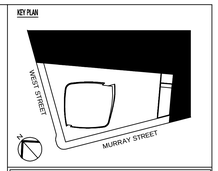


VENT THRU ROOF – FLASHING
NO SCALE



TYPICAL RISER ANCHOR DETAIL
NO SCALE

KEY PLAN



ALTERATIONS OR ADDITIONS TO THIS ENGINEERING DOCUMENT BY AN UNLICENSED PERSON IS A VIOLATION OF CHAPTER 16, TITLE VIII, ARTICLE 145 § 7209.2 OF THE NEW YORK STATE EDUCATION LAW.

"TO THE BEST OF MY KNOWLEDGE, BELIEF AND SPECIFICATIONS ARE IN COMPLIANCE WITH THE NEW YORK CITY ENERGY CONSERVATION CODE."

"THIS PLAN IS APPROVED ONLY FOR WORK INDICATED ON THE APPLICATION SPECIFICATION SHEET. ALL OTHER MATTERS SHOWN ARE NOT TO BE RELIED UPON, OR TO BE CONSIDERED AS EITHER BEING APPROVED OR IN ACCORDANCE WITH APPLICABLE CODES".

Number:	Date:	Revision:
4	03/09/15	DOB ISSUE
3	02/13/15	DOCUMENT ISSUE NO.7
2	01/09/15	DOCUMENT ISSUE NO.4
1	11/21/14	DOCUMENT ISSUE NO.2

OWNER:
HENRY V MURRAY SENIOR LLC
299 Park Avenue
New York, NY 10171
THE WITKOFF GROUP

PROJECT:
111 MURRAY STREET
New York, NY 10007

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700, New York, NY 10004
Tel: 212.213.8007 Fax: 212.686.1754

DESIGN ARCHITECT:
KPF
KOHN PEDERSEN FOX ASSOCIATES PC
ARCHITECTS & PLANNING CONSULTANTS
11 West 42nd Street, New York, NY 10036
Tel: 212.977.6500 Fax: 212.956.2526

INTERIOR DESIGNER:
rockwellgroup
5 Union Square West, New York, NY 10003
Tel: 212.463.0034 Fax: 212.463.0335

INTERIOR DESIGNER:
MR ARCHITECTURE + DECOR
245 West 29th Street, 10th Floor, New York, NY 10001
Tel: 212.989.9300 Fax: 212.989.9430

LANDSCAPE ARCHITECT:
HOLLANDER design
Landscape Architects
200 Park Avenue South, Suite 1200, New York, NY
Tel: (212) 473.0620 projects@hollanderdesign.com

LIGHTING DESIGNER:
ONELUXstudio
158 West 29th Street, New York, NY 10001
Tel: 212-201-5790, www.oneluxstudio.com

STRUCTURAL ENGINEER:
DESIMONE
18 West 18th Street, 10th Floor, New York, NY 10011
Tel: 212.532.2211 Fax: 212.481.6108

MEP/FP ENGINEER:
Cosentini ASSOCIATES CONSULTING ENGINEERS
2 Pennsylvania Plaza, New York, NY 10121
Tel: 212.615.3600 Fax: 212.615.3700

DOB BSCAN:
NB# 1089698

DOB STAMPS & SIGNATURES:
Shauqat Shaikh
STATE OF NEW YORK SIDNEY W. MAYSHAK 030537 LICENSED PROFESSIONAL ENGINEER
APPROVED
NYC DEPARTMENT OF BUILDINGS

DWG TITLE:
PLUMBING DETAILS

SEAL & SIGNATURE:

DATE: 09/15/14
PROJECT #: 140006
SCALE: AS NOTED
P-501.00
DWG NO.