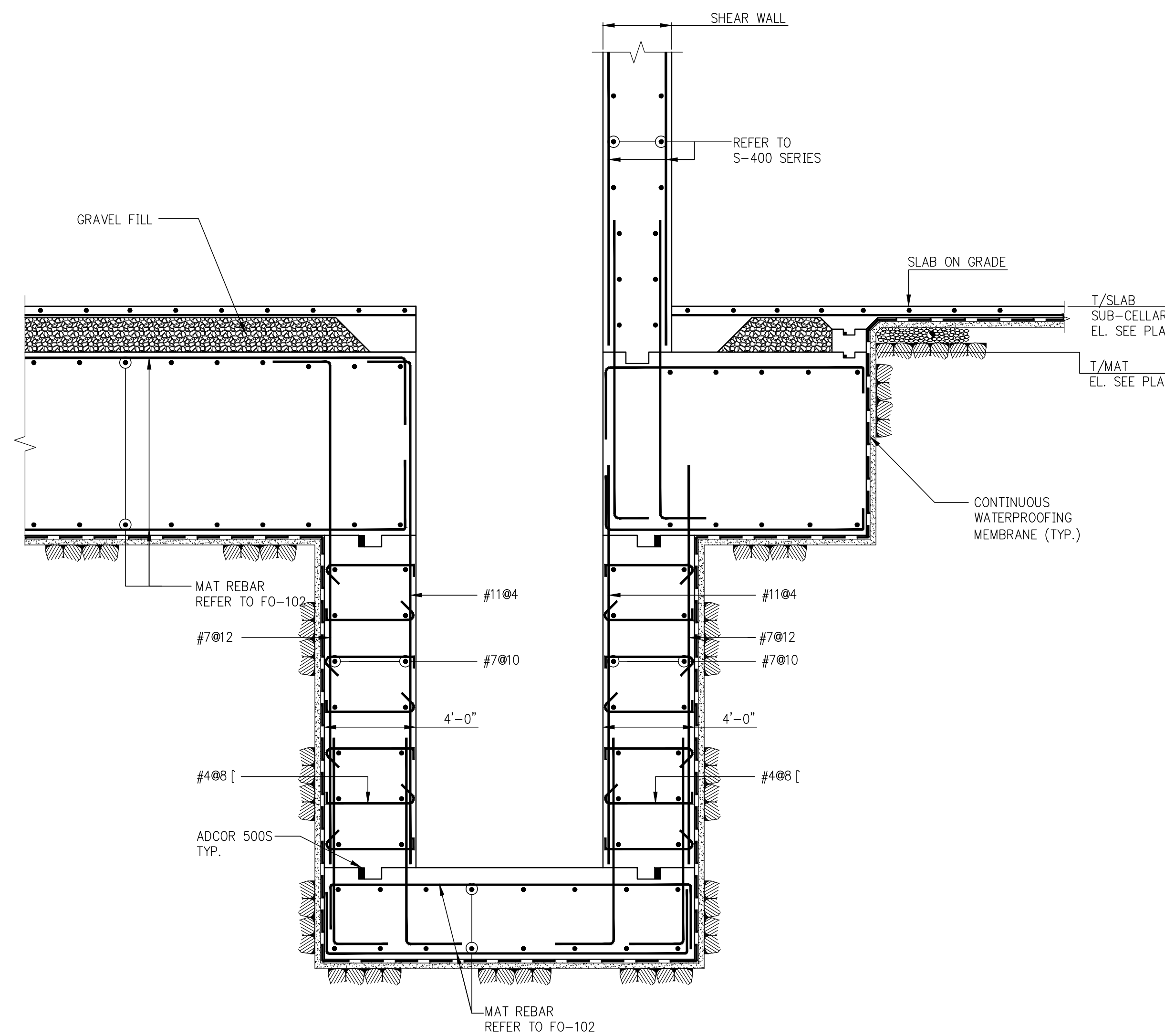
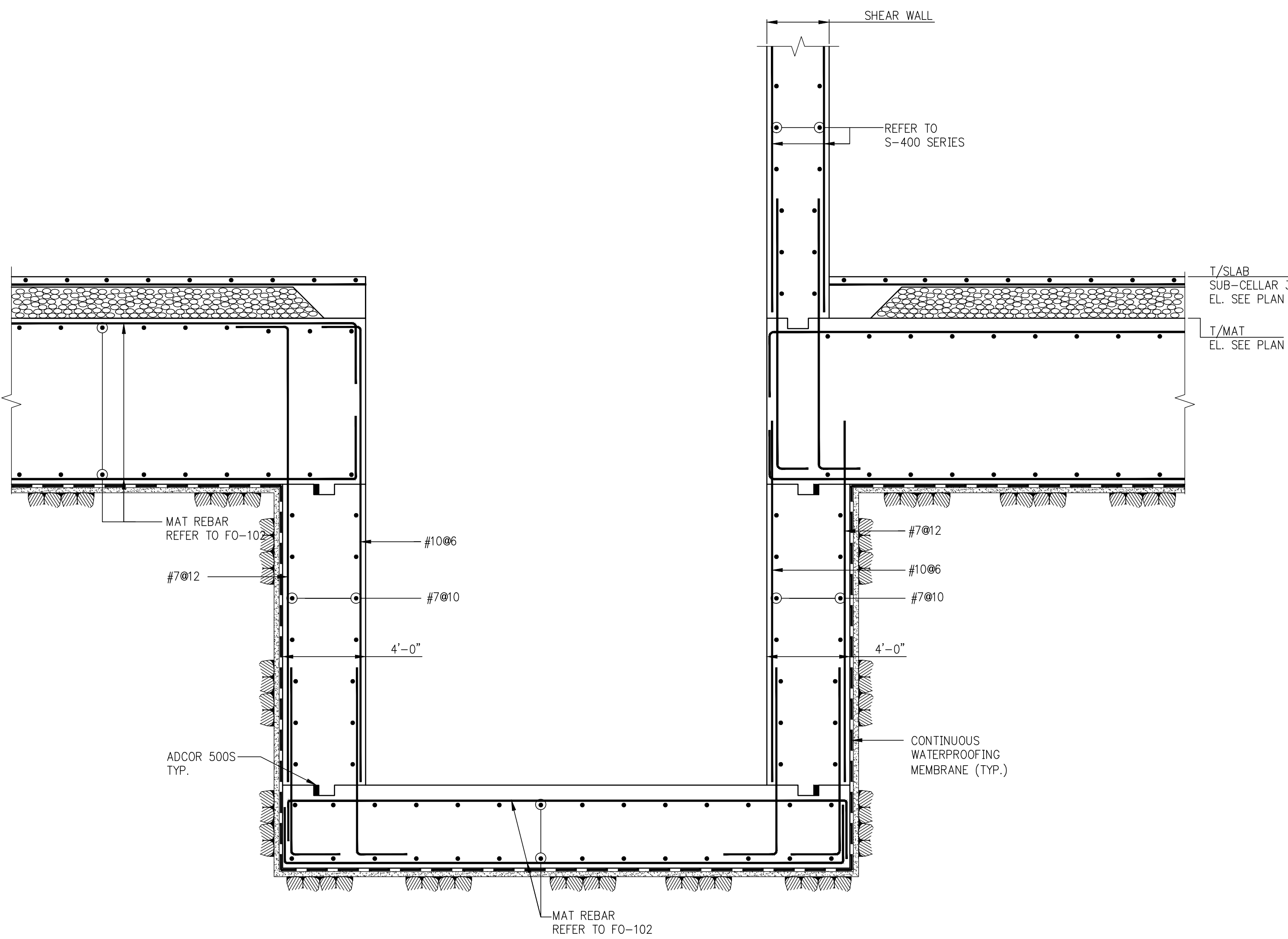


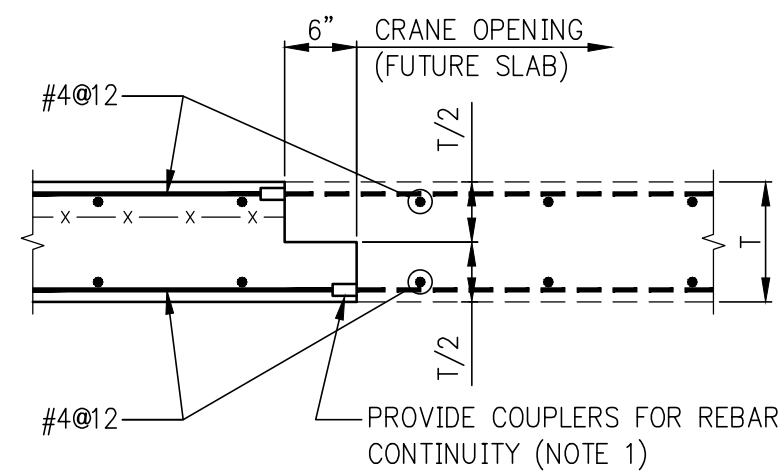
1 SECTION @ ELEVATOR PIT  
SCALE: 1/4"=1'-0"



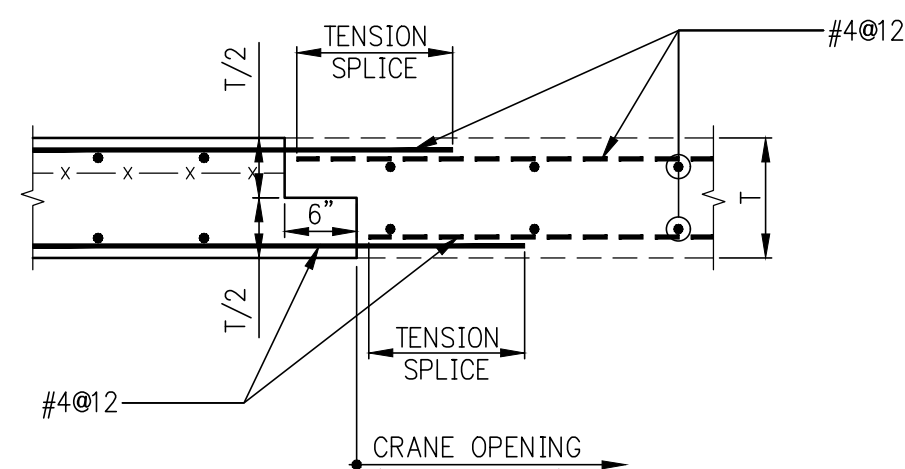
2 SECTION @ ELEVATOR PIT  
SCALE: 1/4"=1'-0"



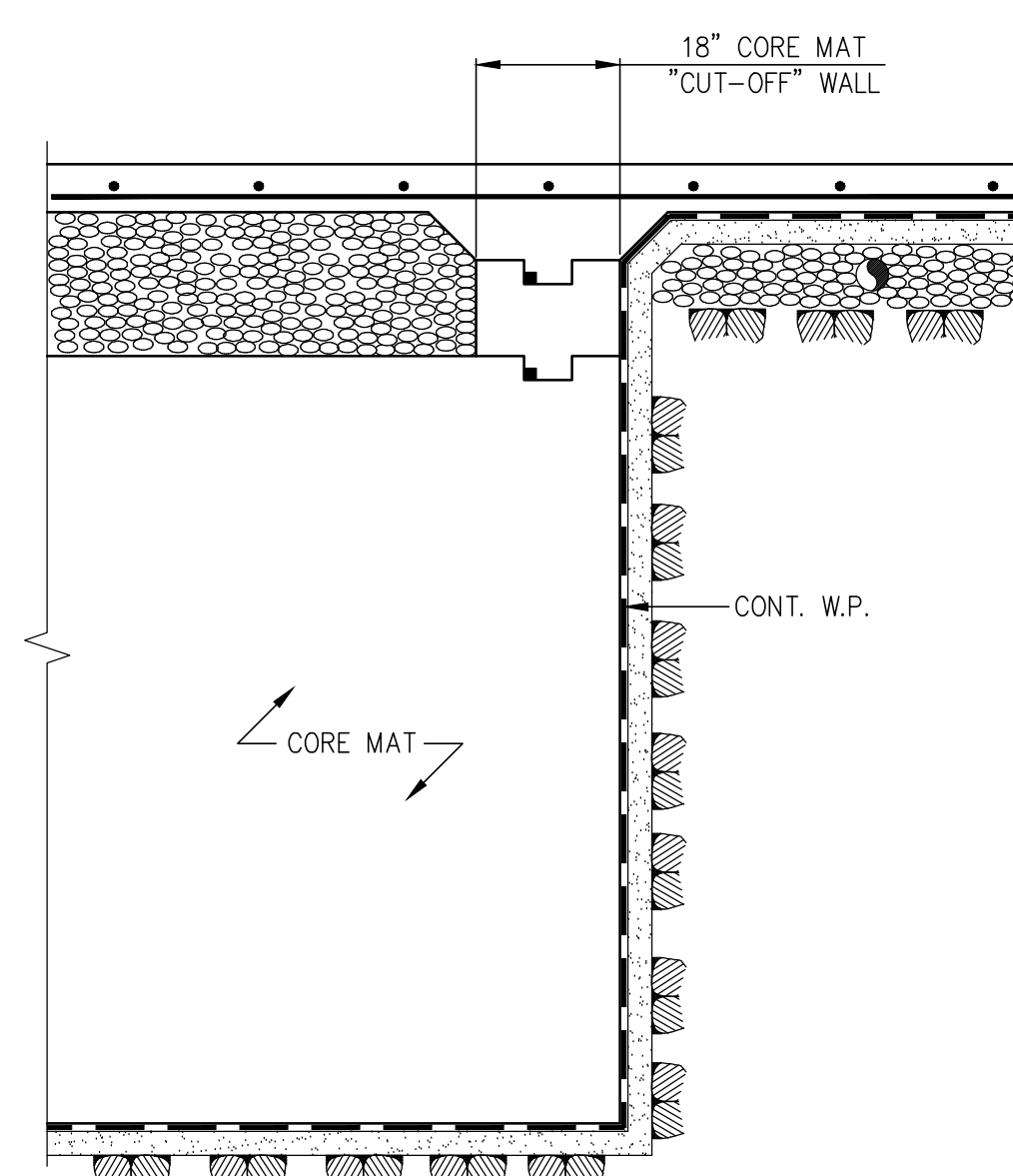
3 SECTION @ ELEVATOR PIT  
SCALE: 1/4"=1'-0"



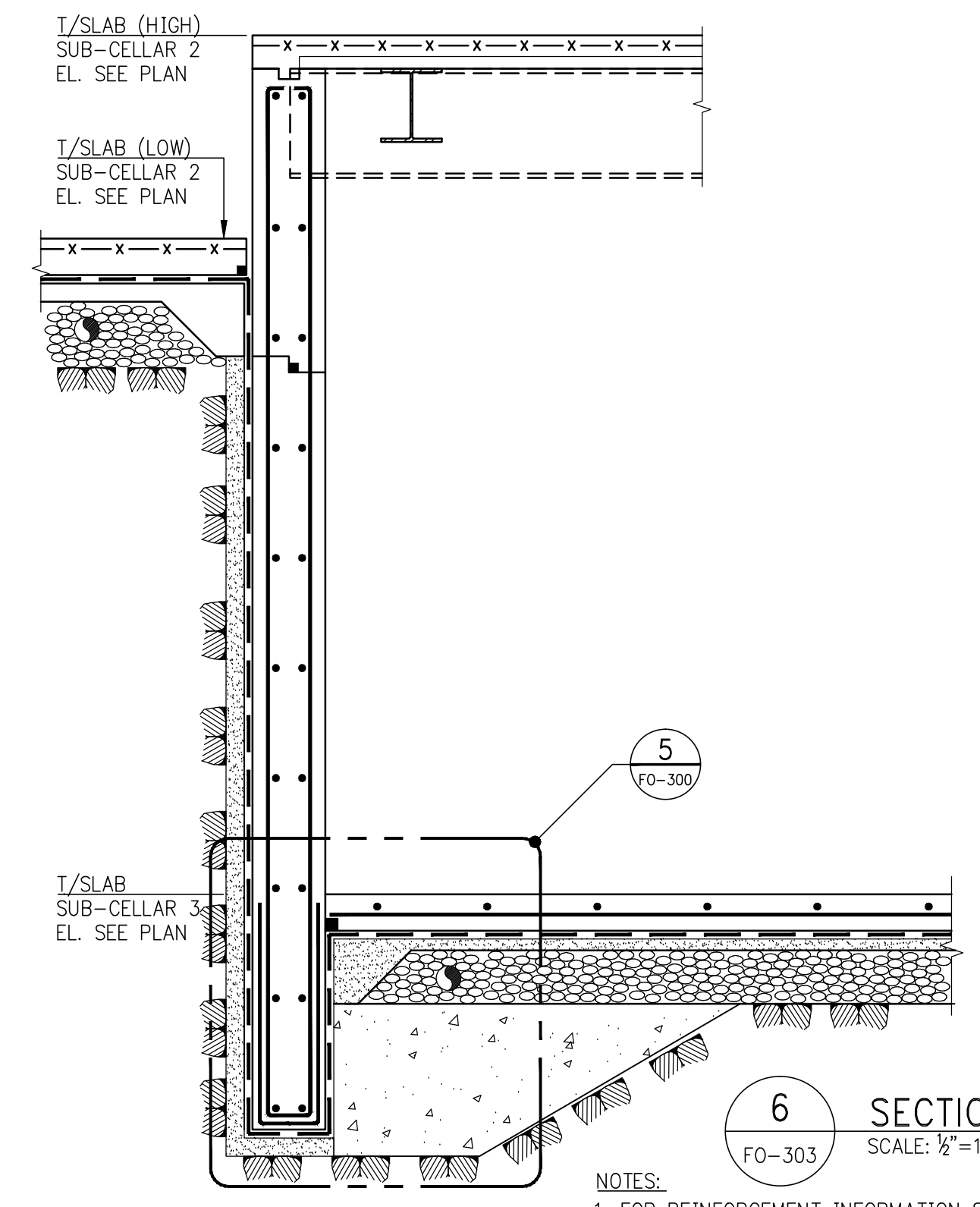
4 CRANE OPENING DETAIL  
SCALE: 1/4"=1'-0"



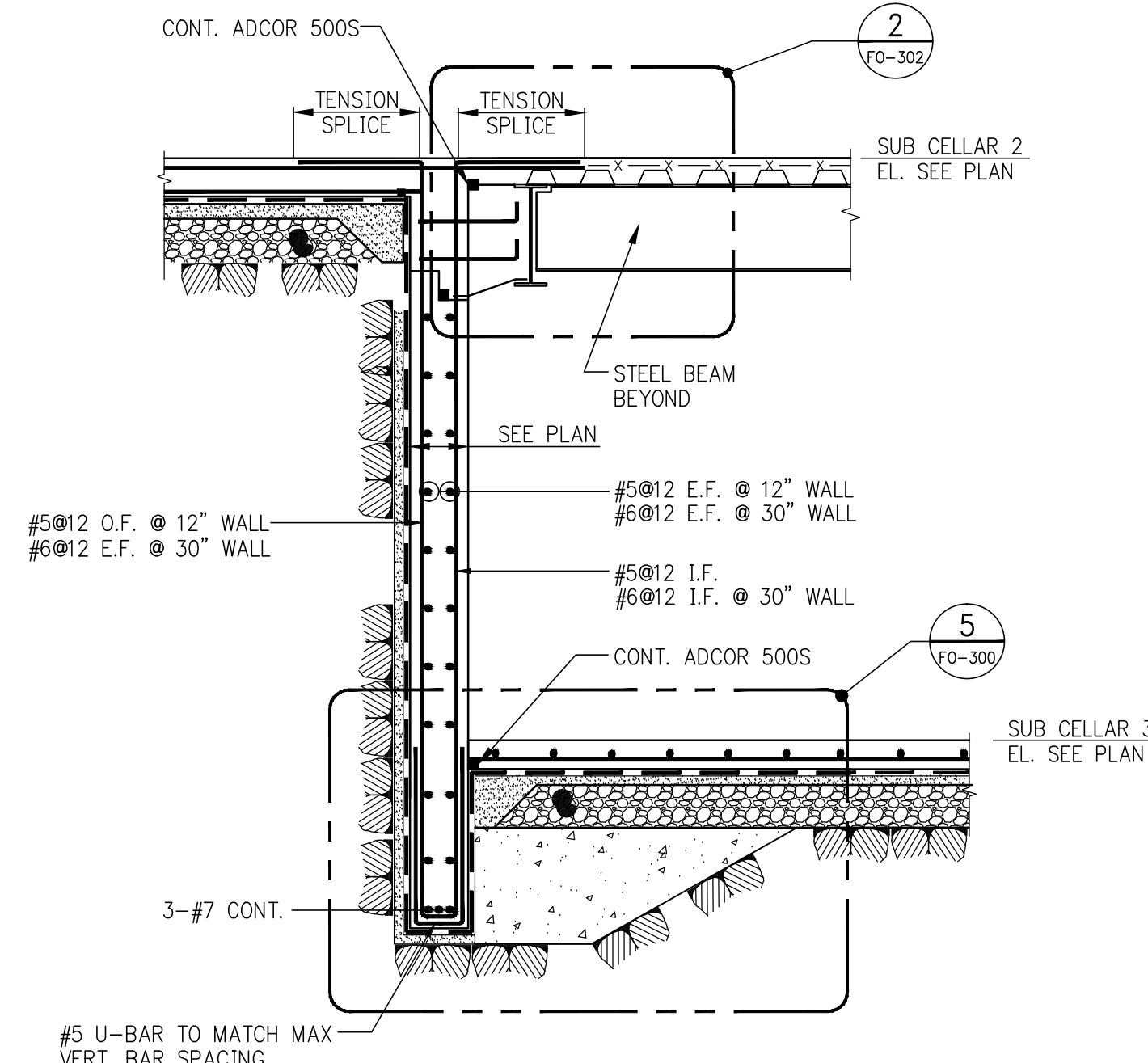
4A CRANE OPENING DETAIL (ALTERNATE)  
SCALE: 1/4"=1'-0"



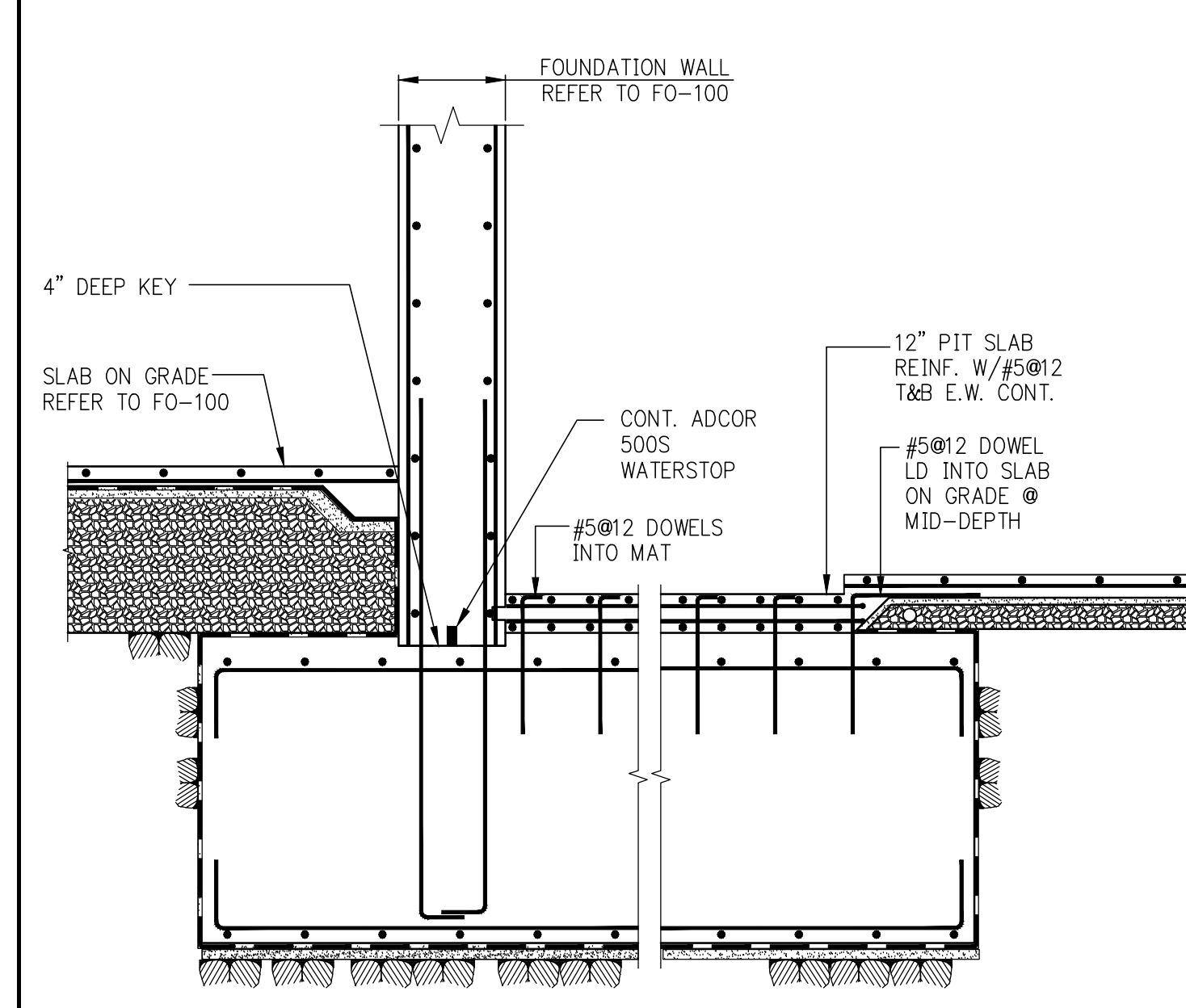
5 SECTION  
SCALE: 1/4"=1'-0"



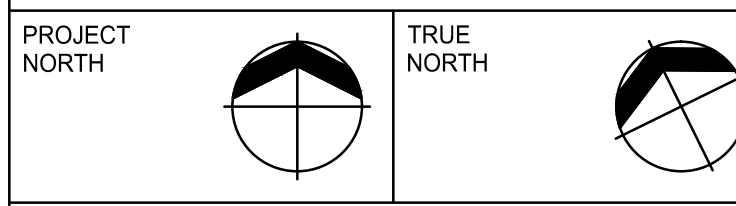
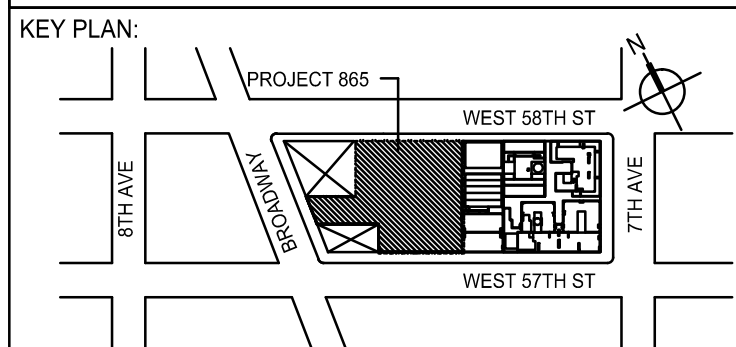
6 SECTION  
SCALE: 1/4"=1'-0"



8 SECTION  
SCALE: 1/4"=1'-0"



9 SECTION  
SCALE: 1/4"=1'-0"



DEVELOPER:  
**EXTELL DEVELOPMENT COMPANY**  
805 THIRD AVENUE, 7TH FLOOR  
NEW YORK, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT:  
Base Building Shell & Core  
**ADRIAN SMITH + GORDON GILL ARCHITECTURE**  
111 WEST MONROE STREET SUITE 2300  
CHICAGO, IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER:  
Residential  
**Rotter Architecture and Design Studio, PLLC**  
238 FIFTH AVE, 7TH FLOOR  
NEW YORK, NY 10001  
TEL: 646 998 7000 FAX: 646 998 7150

ARCHITECT OF RECORD:  
Base Building Shell, Core, & Residential  
**A&J ARCHITECTS, P.C.**  
401 WASHINGTON ST., 3RD FLOOR  
TORONTO, ON M5V 1E7 CANADA  
TEL: 416 967 1500 FAX: 416 967 7150

STRUCTURAL ENGINEERS:  
**WSP**  
228 EAST 45TH STREET  
NEW YORK, NY 10017 USA  
TEL: 212 687 8888 FAX: 646 487 5501

MEP ENGINEERS:  
**AKF GROUP**  
1501 BROADWAY  
NEW YORK, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS:  
**Langan Engineering & Environmental Services**  
21 Penn Plaza - 380 West 31st Street, 8th Floor  
NEW YORK, NY 10001-2727  
TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS:  
**Construction Consulting Associates**  
100 Church Street  
NEW YORK, NY 10007  
TEL: 212 385 1915 FAX: 212 385 1911

CURTAINWALL CONSULTANT:  
**A.J.P. Consulting**  
40 North Street, Suite 805  
NEW YORK, NY 10013  
TEL: 212 757 5659 FAX: 646 219 8508

LANDMARK/PRESERVATION CONSULTANT:  
**Jan Hird Pokorny Associates, Inc.**  
39 West 37th Street, 12A  
NEW YORK, NY 10018  
TEL: 212 759 6462 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	STEEL BID PACKAGE	05-22-2014
2	FOUNDATION 90% CD	05-22-2014
3	SUPERSTRUCTURE CONCRETE BID	06-02-2014
4	DOB FILING SET	06-17-2014
5	FOUNDATION 90% CD	07-01-2014
6	SE ZONE STEEL BID	08-20-2014
7	STRUCTURAL STEEL BID	09-15-2014
8	CD PROGRESS ISSUE 1	10-15-2014
9	DOB SUBMISSION	12-19-2014
10	DOB SUBMISSION	02-05-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT:  
**WSP**  
228 East 45th Street  
New York, NY 10017  
(212) 687-8888  
www.wspgroup.com/usa

PROJECT:  
**217 WEST 57TH STREET  
NEW YORK, NY**

DRAWING TITLE:  
**FOUNDATION  
SECTIONS 4**

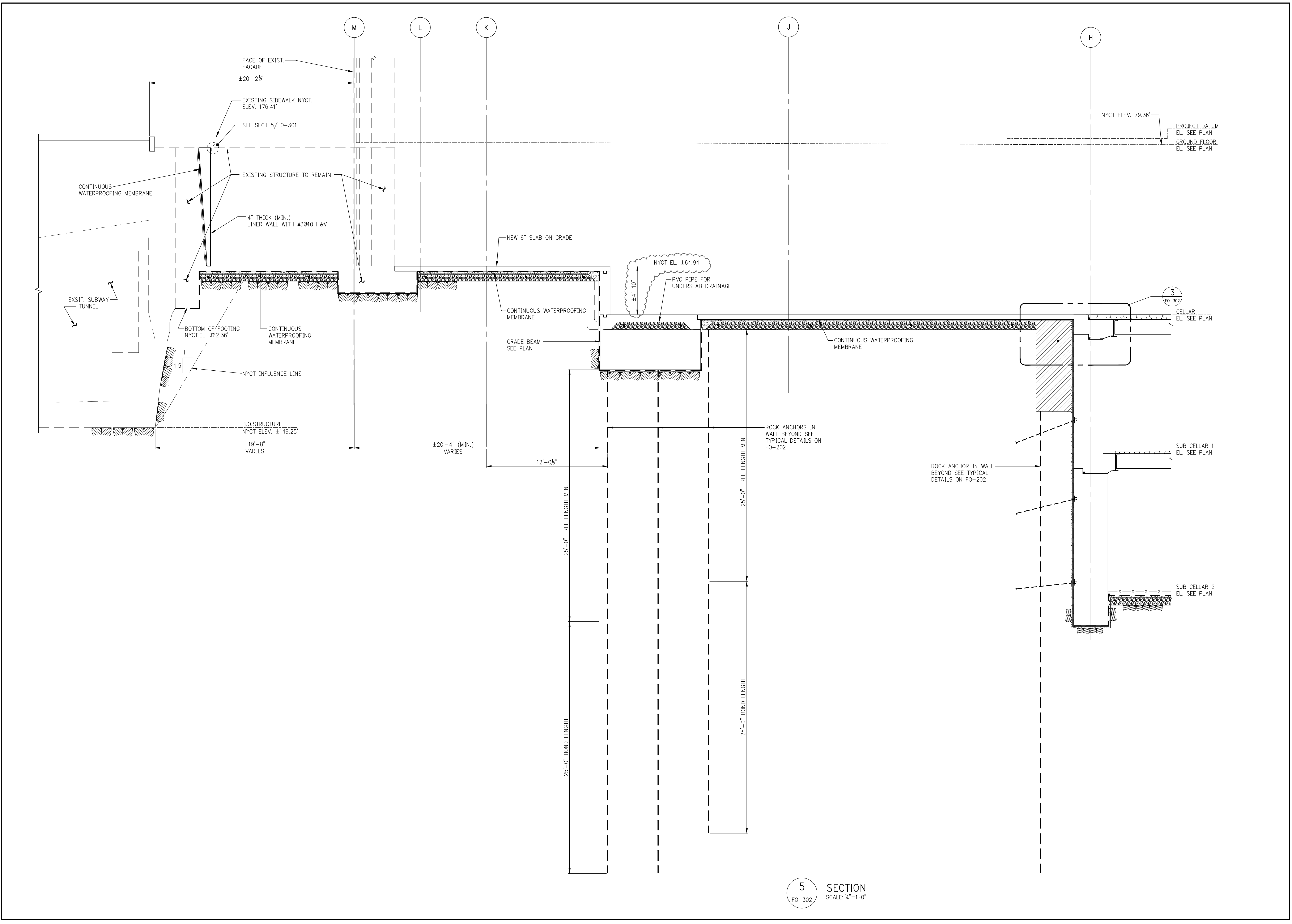
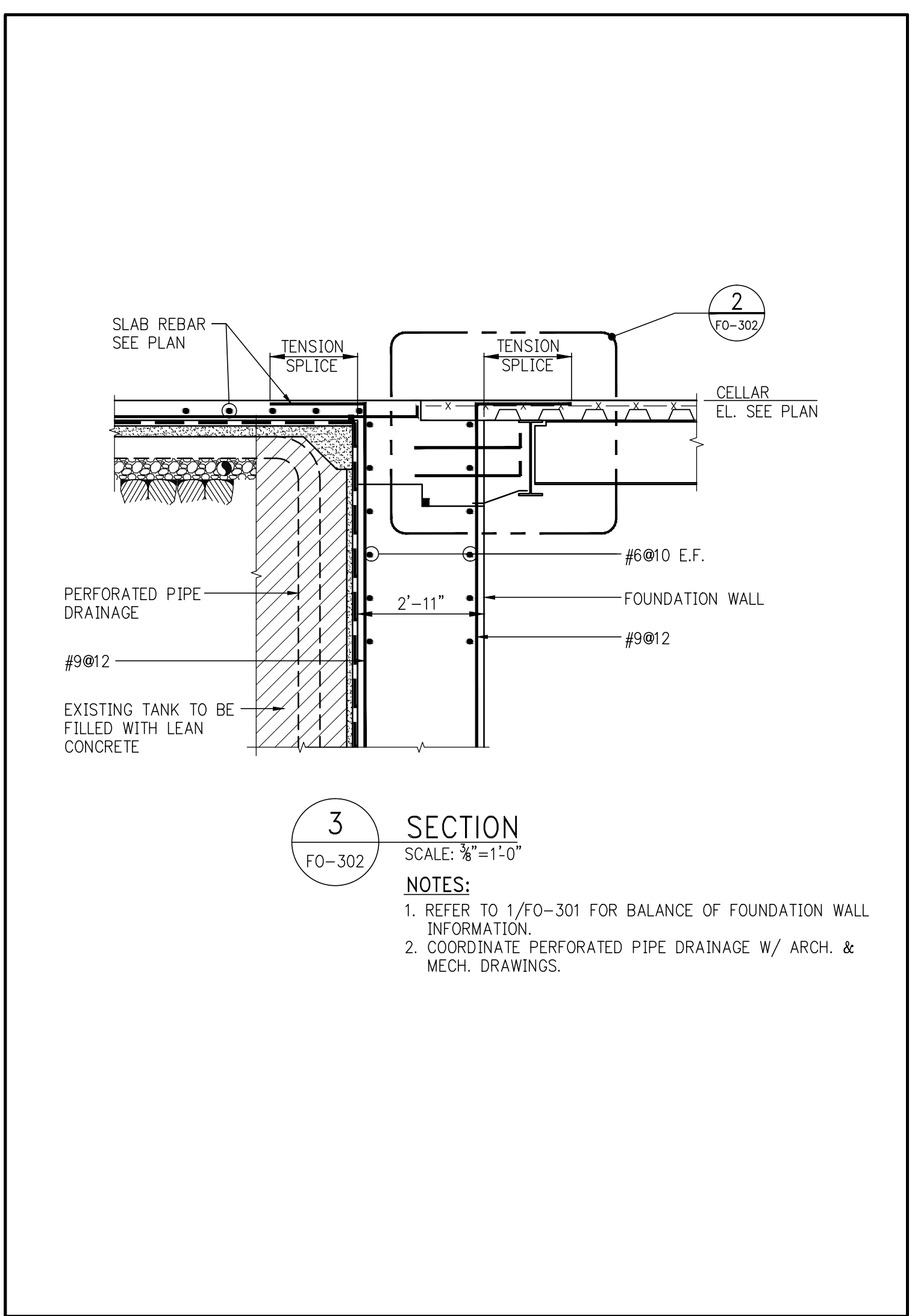
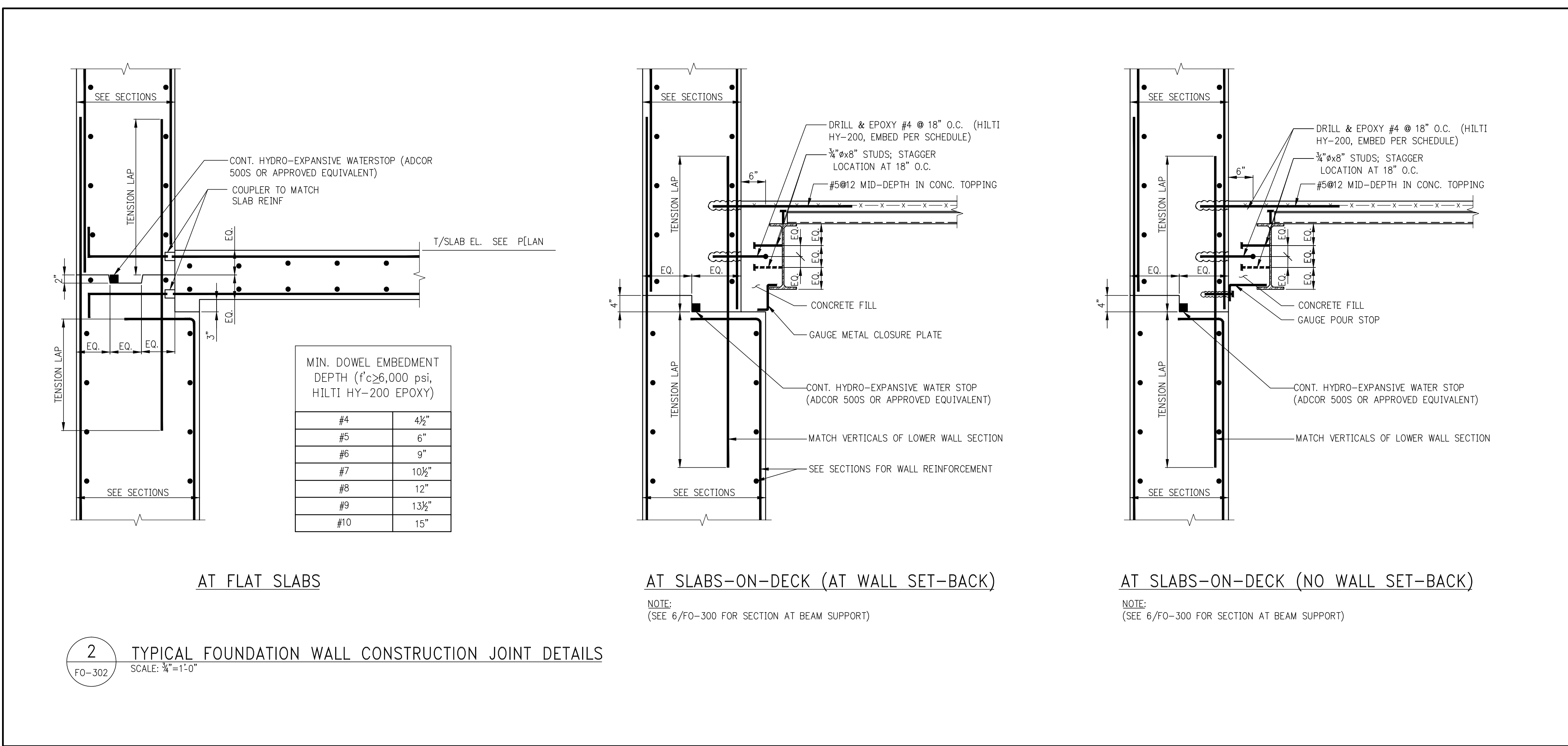
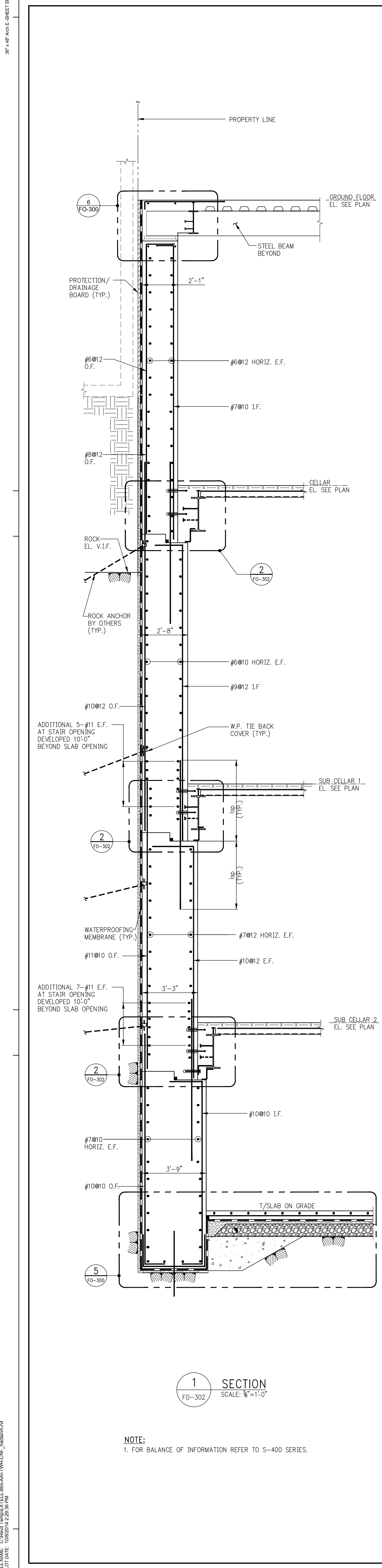
SEAL & SIGNATURE: DATE: 03/31/14  
PROJECT No: 2012185  
DRAWN: CADDO REV: 10  
CHK: Y.E.  
SCALE: AS INDICATED  
DWG No: **FO-303.02**

DOB EMPLOYEE STAMP: of

DOB 9-SIGN: of

**Damian Titus**  
Buildings Department  
APPROVED  
Under Directive 2 of 1975  
Date: 03/31/2015  
NYC Development Hub





**KEY PLAN**

**PROJECT NORTH**

**DEVELOPER:** EXTREME DEVELOPMENT COMPANY  
805 THIRD AVENUE, 7TH FLOOR  
NEW YORK, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

**DESIGN ARCHITECT:** Base Building Shell & Core  
**ADRIAN SMITH + GORDON GILL ARCHITECTURE**  
111 WEST MONROE STREET SUITE 2300  
CHICAGO, IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

**INTERIOR DESIGNER:** Residential  
**Rottet Architecture and Design Studio, PLLC**  
238 Fifth Ave, 7th Floor  
New York, NY 10001  
TEL: 646 998 7000 FAX:

**ARCHITECT OF RECORD:** Base Building Shell, Core, & Residential  
**AJA ARCHITECTS, P.C.**  
401 Wellington St. W., 3rd Floor  
Toronto, ON M5V 1E7 Canada  
TEL: 416 967 1500 FAX: 416 967 1710

**STRUCTURAL ENGINEERS:** WSP  
228 East 45th Street  
New York, NY 10017 USA  
TEL: 212 687 8868 FAX: 646 487 5501

**MEP ENGINEERS:** AKF GROUP  
1501 Broadway  
New York, NY 10036 USA  
TEL: 212 354 5658 FAX: 212 354 5668

**GEOTECHNICAL ENGINEERS:** Langan Engineering & Environmental Services  
21 Penn Plaza - 380 West 31st Street, 8th Floor  
New York, NY 10001-2727  
TEL: 212 479 5400 FAX: 212 479 5444

**CODE CONSULTANTS:** Construction Consulting Associates  
100 Church Street  
New York, NY 10007  
TEL: 212 385 1915 FAX: 212 385 1911

**CURTAINWALL CONSULTANT:** A.J.P. Consulting  
40 Worth Street, Suite 805  
New York, NY 10013  
TEL: 212 757 8659 FAX: 646 219 8508

**LANDMARK/PRESERVATION CONSULTANT:** Jan Hird Pokorny Associates, Inc.  
39 West 37th Street, 12A  
New York, NY 10018  
TEL: 212 759 6462 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	FOUNDATION BID PACKAGE	03-31-2014
3	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
4	FOUNDATION BID PACKAGE	04-04-2014
5	MTA SUBMISSION	05-01-2014
6	STEEL BID PACKAGE	05-22-2014
7	FOUNDATION BIDDING CD	05-22-2014
8	SUPERSUBSTRUCTURE CONCRETE BID	06-03-2014
9	DOB FILING SET	06-17-2014
10	FOUNDATION 90% CD	07-01-2014
11	SK - 0008 RESPONSE TO RFI 0008	07-22-2014
12	SE ZONE STEEL BID	08-20-2014
13	STRUCTURAL STEEL BID	09-15-2014
14	CD PROGRESS ISSUE 1	10-15-2014
15	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
16	DOB SUBMISSION	12-16-2014
17	CD PROGRESS ISSUE 2	12-19-2014
18	DOB SUBMISSION	02-05-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

**CONSULTANT:** WSP  
228 East 45th Street  
New York, NY 10017  
(212) 687-8868  
www.wspgroup.com/usa

**PROJECT:** 217 WEST 57TH STREET  
NEW YORK, NY

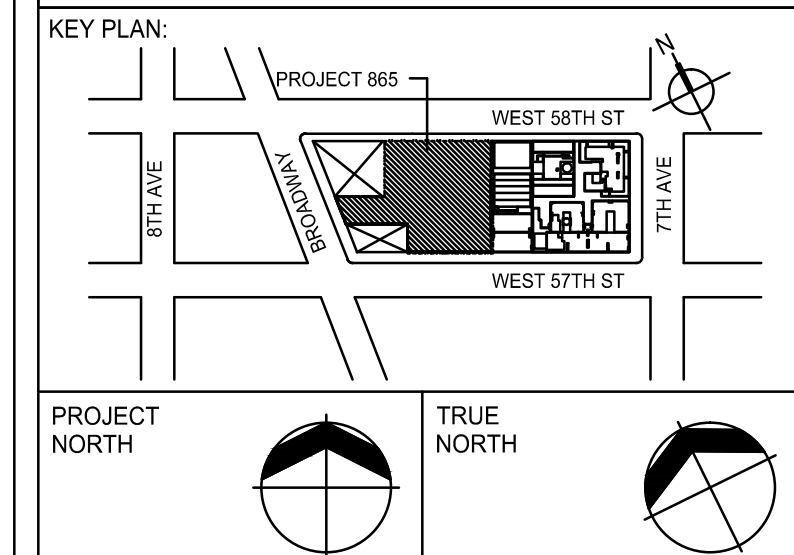
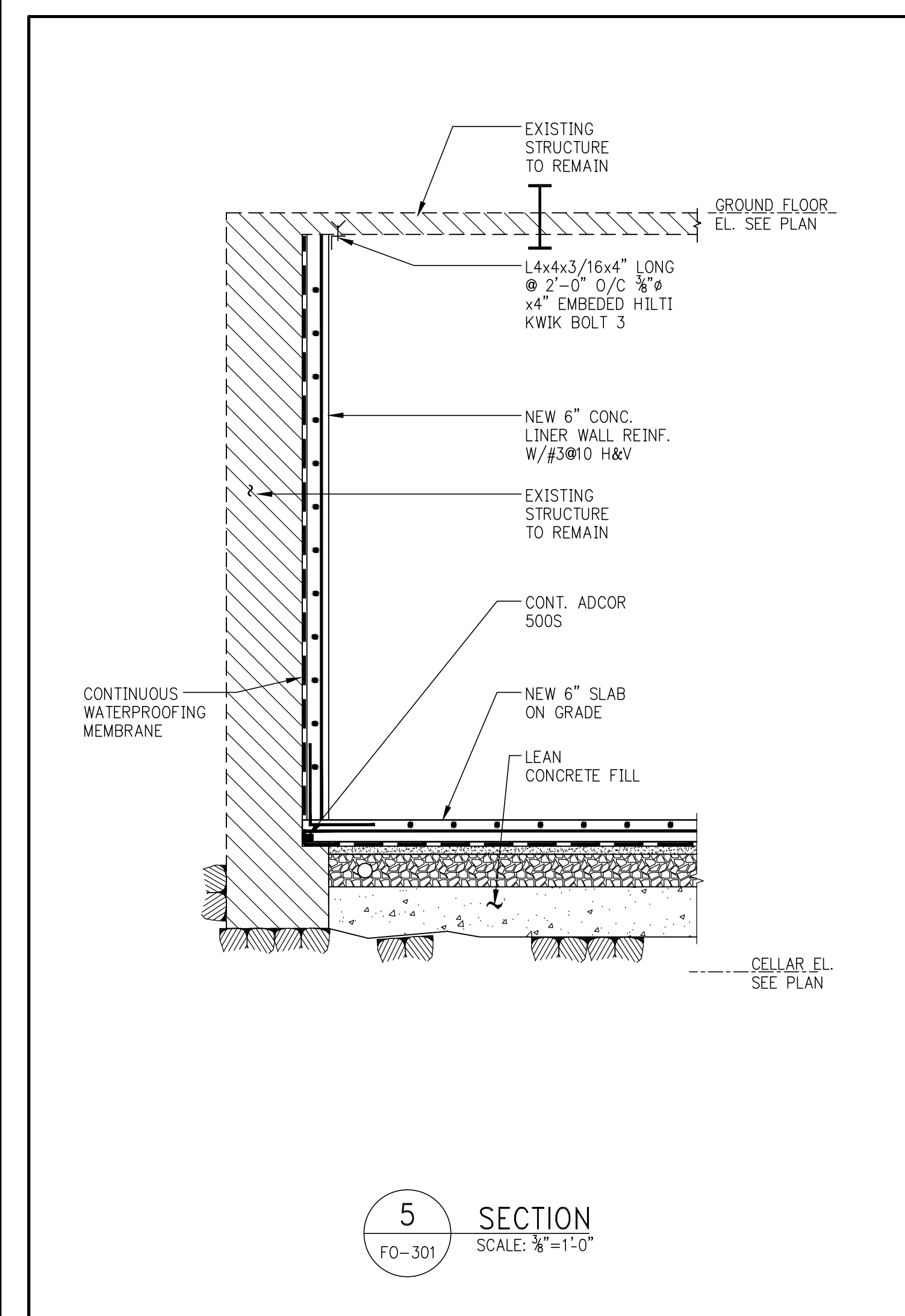
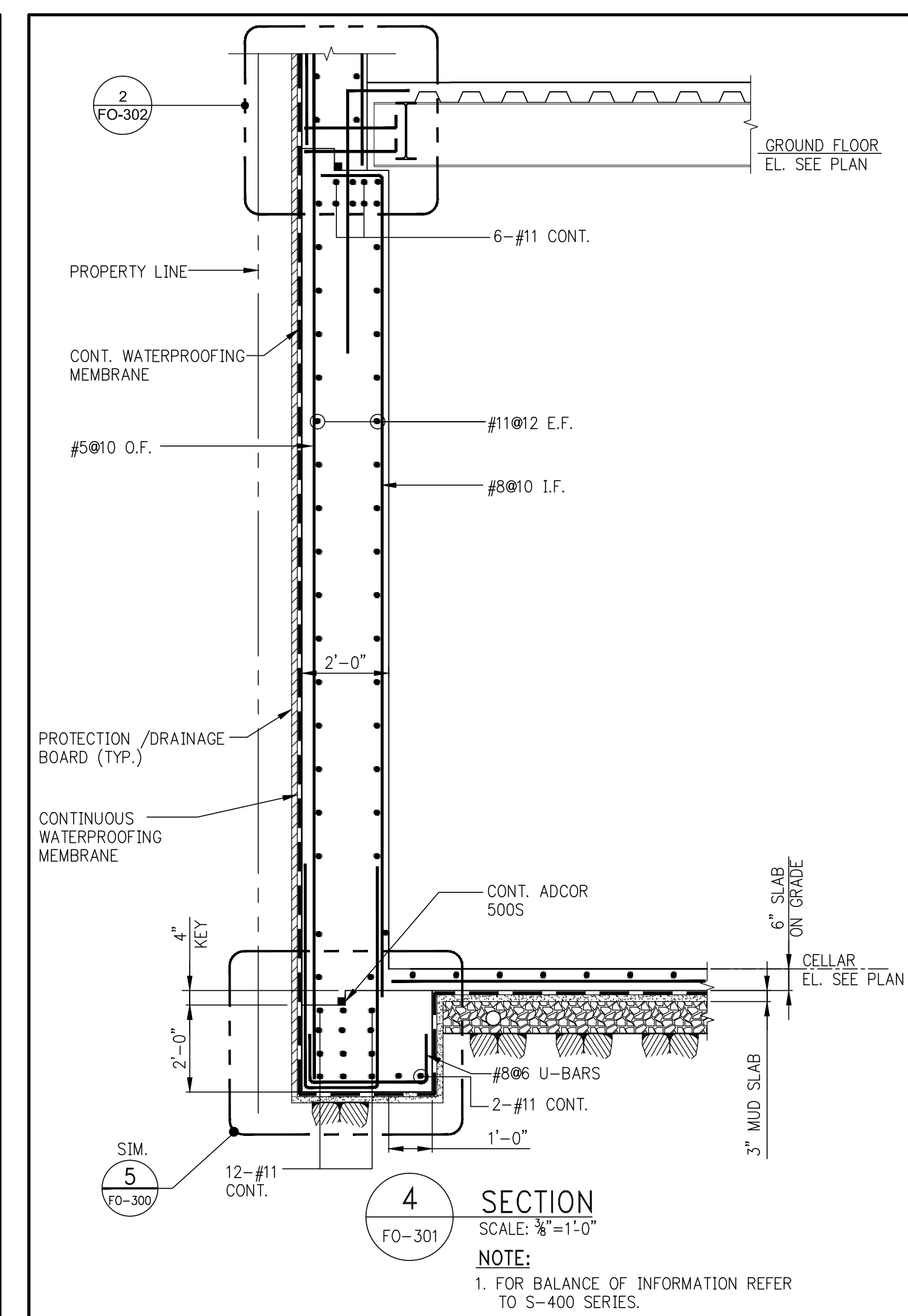
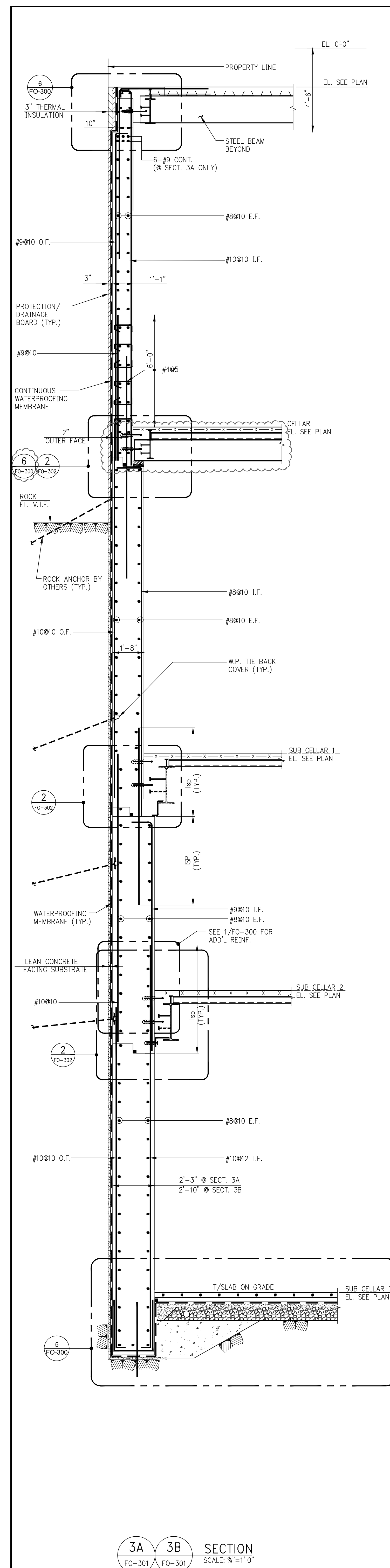
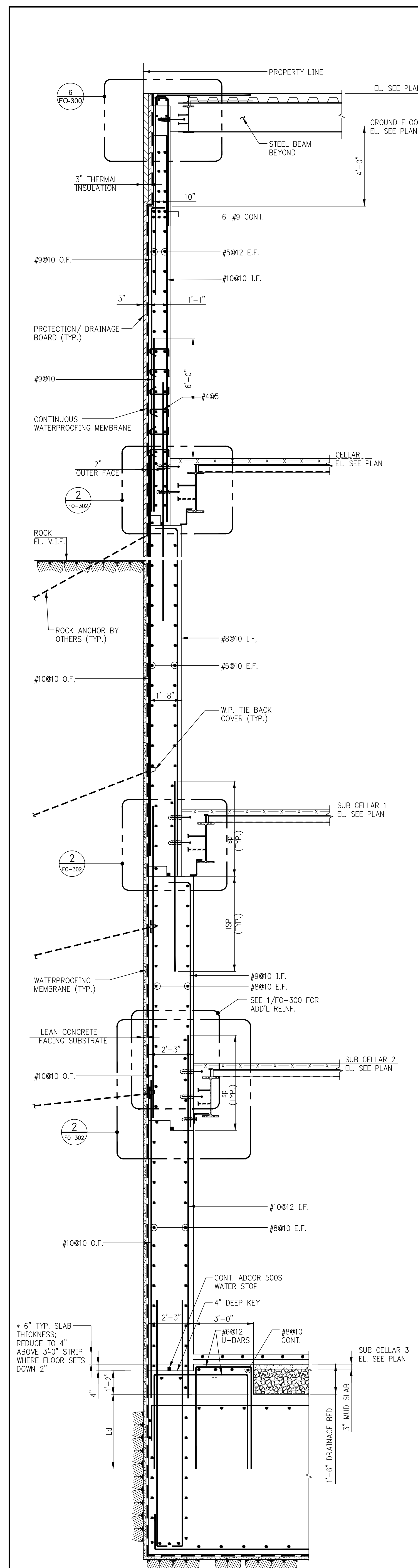
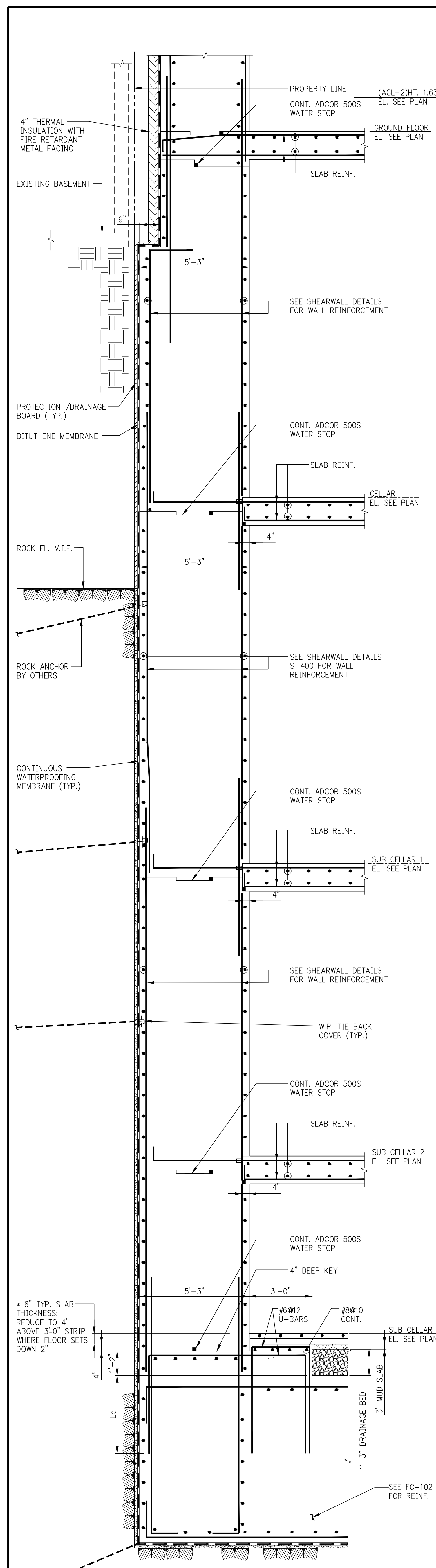
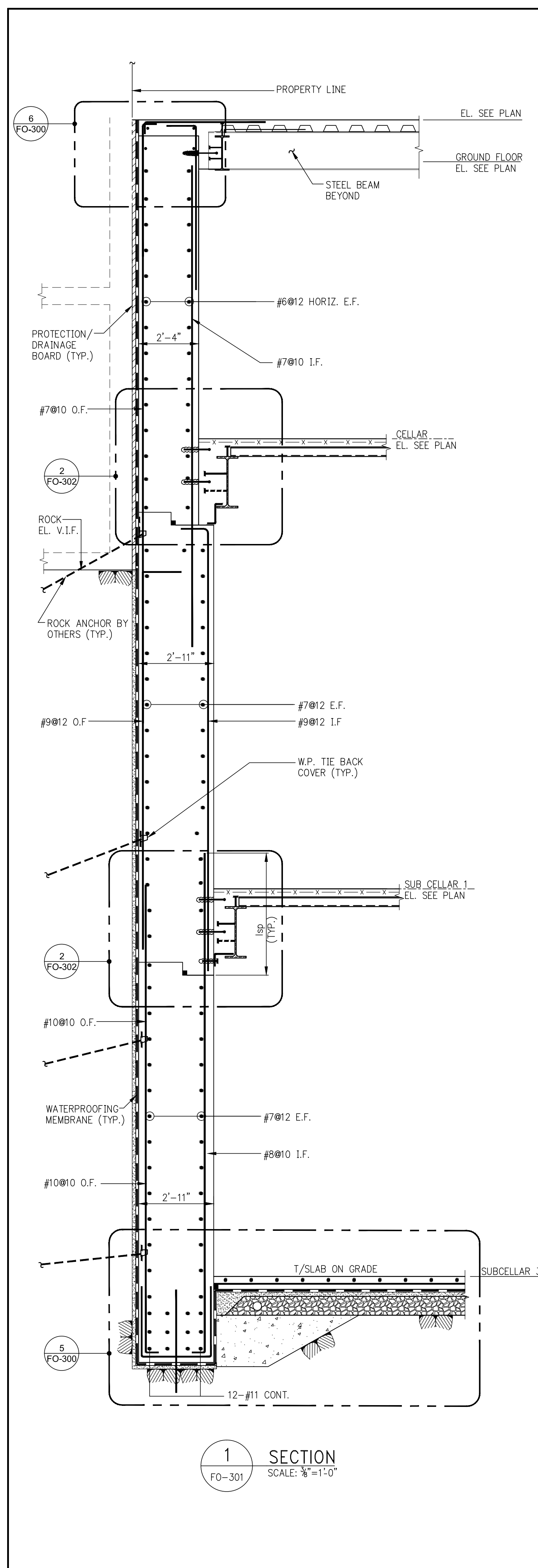
**DRAWING TITLE:** FOUNDATION SECTIONS 3

**SEAL & SIGNATURE:** [Signature] **DAMIAN TITUS**  
Professional Engineer  
No. 000000000  
Exp. 03/31/2015

**DATE:** 03/31/14  
**PROJECT No:** 2012185  
**DRAWN:** CADDO  
**CHK:** Y.E.  
**SCALE:** AS INDICATED  
**DWG No:** **FO-302.02**  
**DOB PAGE No:** of  
**DOB B-SCAN:**

**APPROVED:** Under Directive 2 of 1975  
Date: 03/31/2015  
**NYC Development Hub**





DEVELOPER: **EXTELL DEVELOPMENT COMPANY**  
805 THIRD AVENUE, 7TH FLOOR  
NEW YORK, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT: **Base Building Shell & Core**  
**ADRIAN SMITH + GORDON GILL ARCHITECTURE**  
111 WEST MONROE STREET SUITE 2300  
CHICAGO IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER: **Residential**  
**Rottet Architecture and Design Studio, PLLC**  
238 Fifth Ave, 7th Floor  
New York, NY 10001  
TEL: 646 998 7000 FAX: 646 487 5501

ARCHITECT OF RECORD: **Base Building Shell, Core, & Residential**  
**AAI ARCHITECTS, P.C.**  
401 West 37th St., 3rd Floor  
Toronto, ON M5V 1E7 Canada  
TEL: 416 967 1500 FAX: 416 967 7150

STRUCTURAL ENGINEERS: **WSP**  
228 East 45th Street  
New York, NY 10017 USA  
TEL: 212 687 8888 FAX: 646 487 5501

MEP ENGINEERS: **AKF GROUP**  
1501 Broadway  
New York, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS: **Langan Engineering & Environmental Services**  
21 Penn Plaza - 380 West 31st Street, 8th Floor  
New York, NY 10001-2727  
TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS: **Construction Consulting Associates**  
100 Church Street  
New York, NY 10007  
TEL: 212 385 1818 FAX: 212 385 1911

CURTAINWALL CONSULTANT: **AJLP Consulting**  
40 Worth Street, Suite 805  
New York, NY 10013  
TEL: 212 757 5559 FAX: 646 219 8508

LANDMARK/PRESERVATION CONSULTANT: **Jan Hird Pokorny Associates, Inc.**  
39 West 37th Street, 12A  
New York, NY 10018  
TEL: 212 759 6462 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	05-31-2014
2	FOUNDATION BID PACKAGE	03-31-2014
3	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
4	FOUNDATION BID PACKAGE	04-04-2014
5	STEEL BID PACKAGE	05-22-2014
6	FOUNDATION 80% CD	05-22-2014
7	SUPERSTRUCTURE CONCRETE BID	06-02-2014
8	DOB FILING SET	06-19-2014
9	FOUNDATION 90% CD	07-01-2014
10	SK - 0005 RESPONSE TO RF1 0008	07-22-2014
11	SE ZONE STEEL BID	08-20-2014
12	STRUCTURAL STEEL BID	09-15-2014
13	CD PROGRESS ISSUE 1	10-15-2014
14	ISSUED FOR CONSTRUCTION	11-07-2014
15	DOB SUBMISSION	12-16-2014
16	CD PROGRESS ISSUE 2	12-16-2014
17	DOB SUBMISSION	02-06-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.


ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT: **WSP**  
228 East 45th Street  
New York, NY 10017  
(212) 687-8888  
www.wspgroup.com/usa

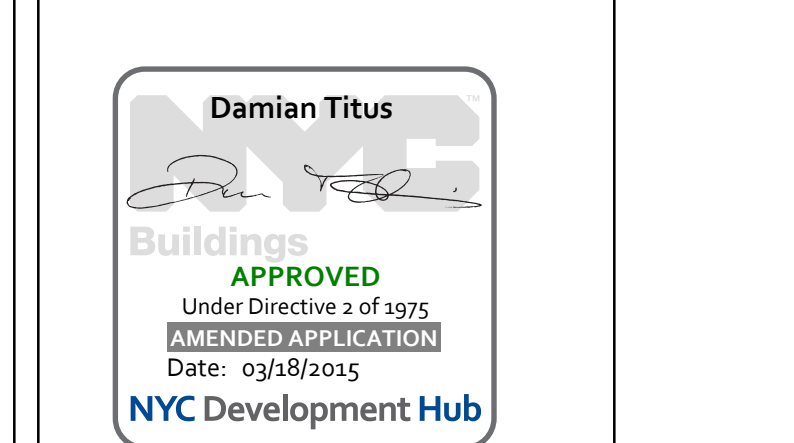
PROJECT: **217 WEST 57TH STREET  
NEW YORK, NY**

DRAWING TITLE:

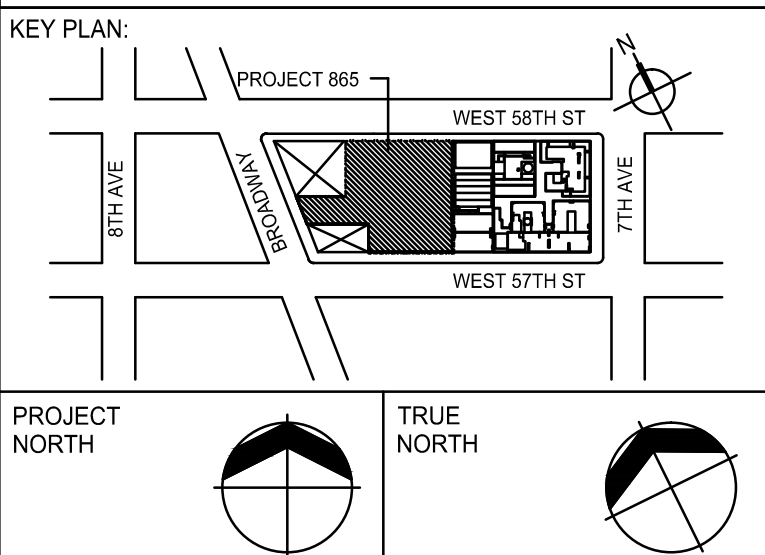
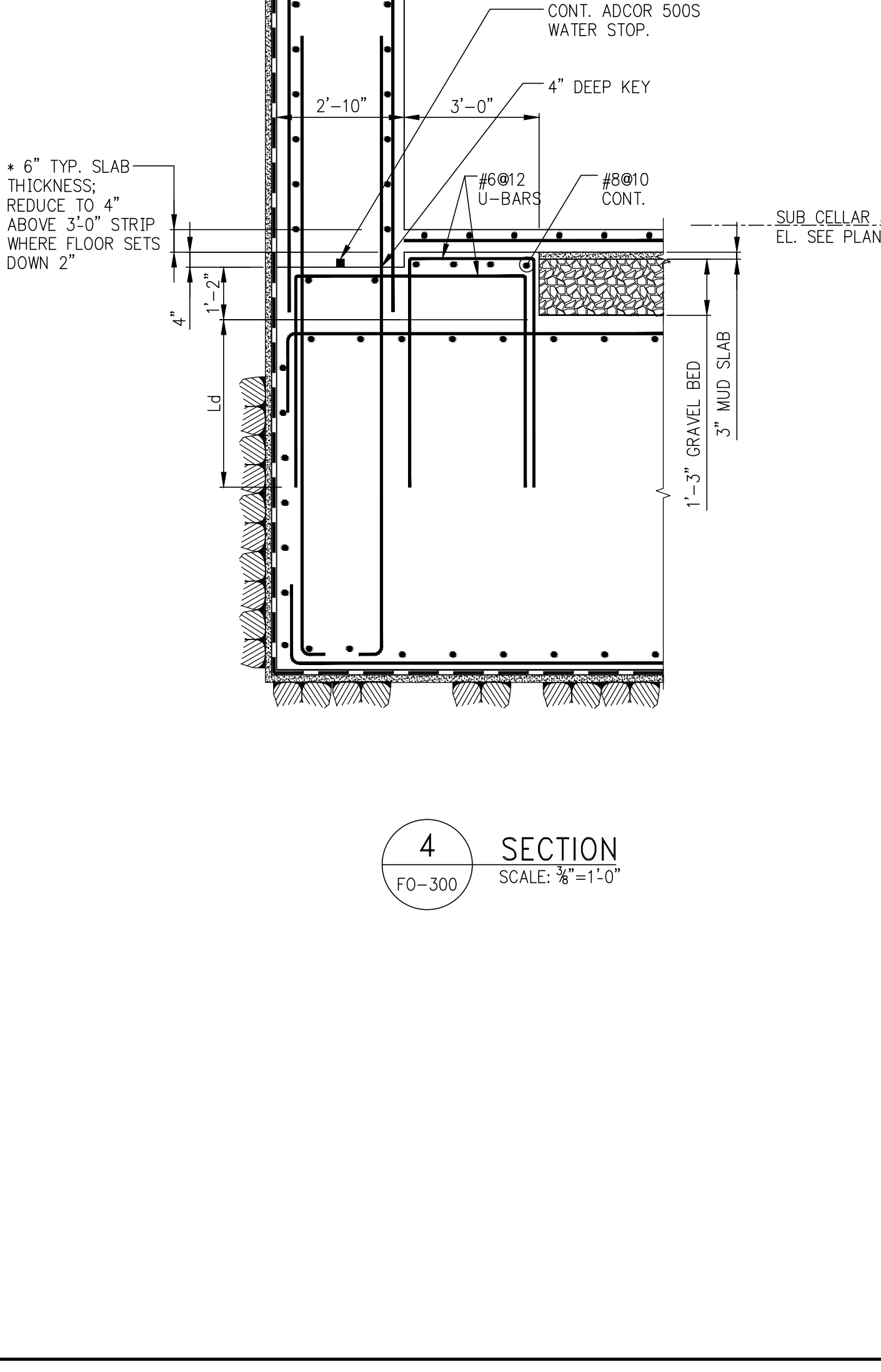
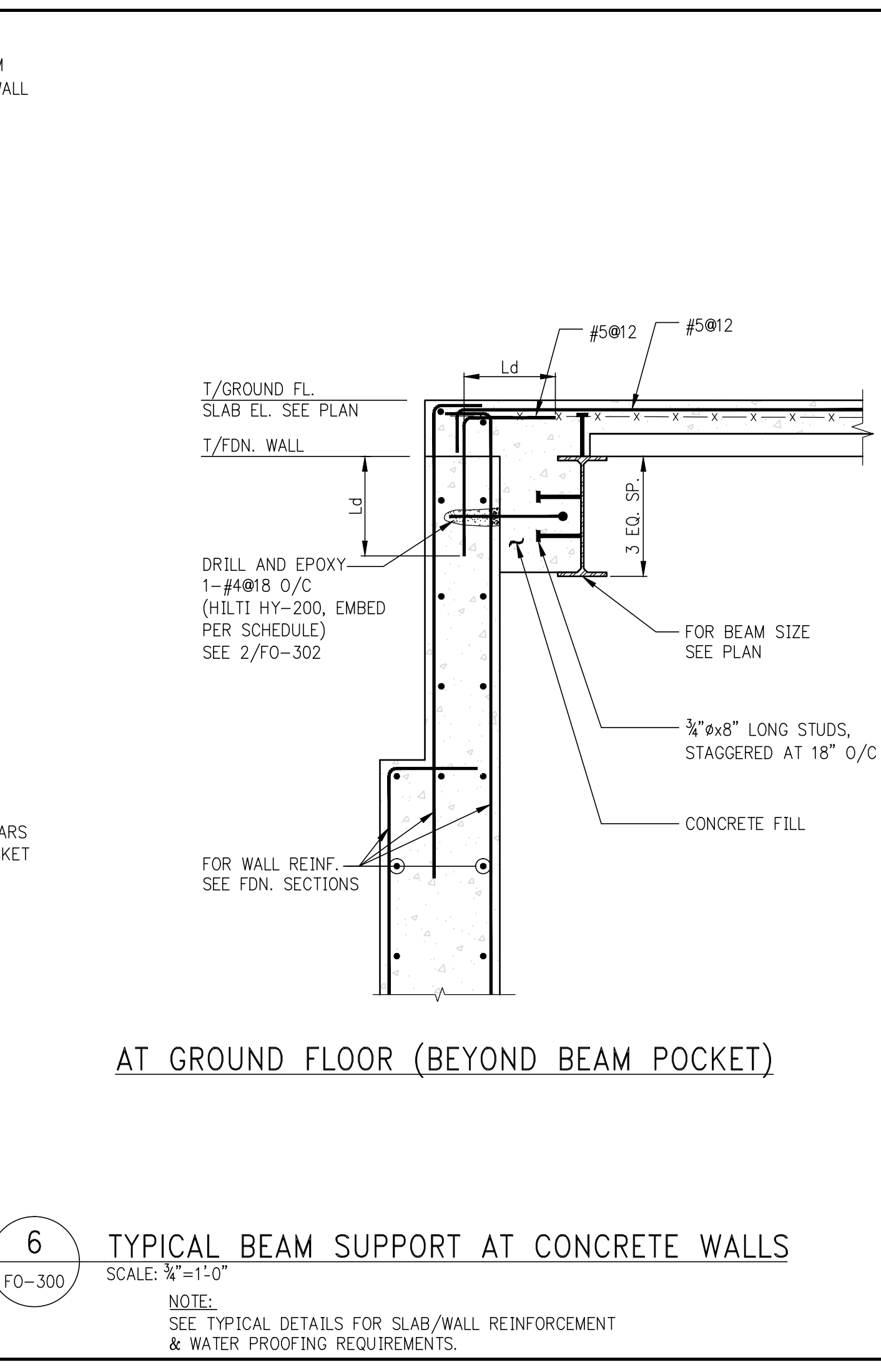
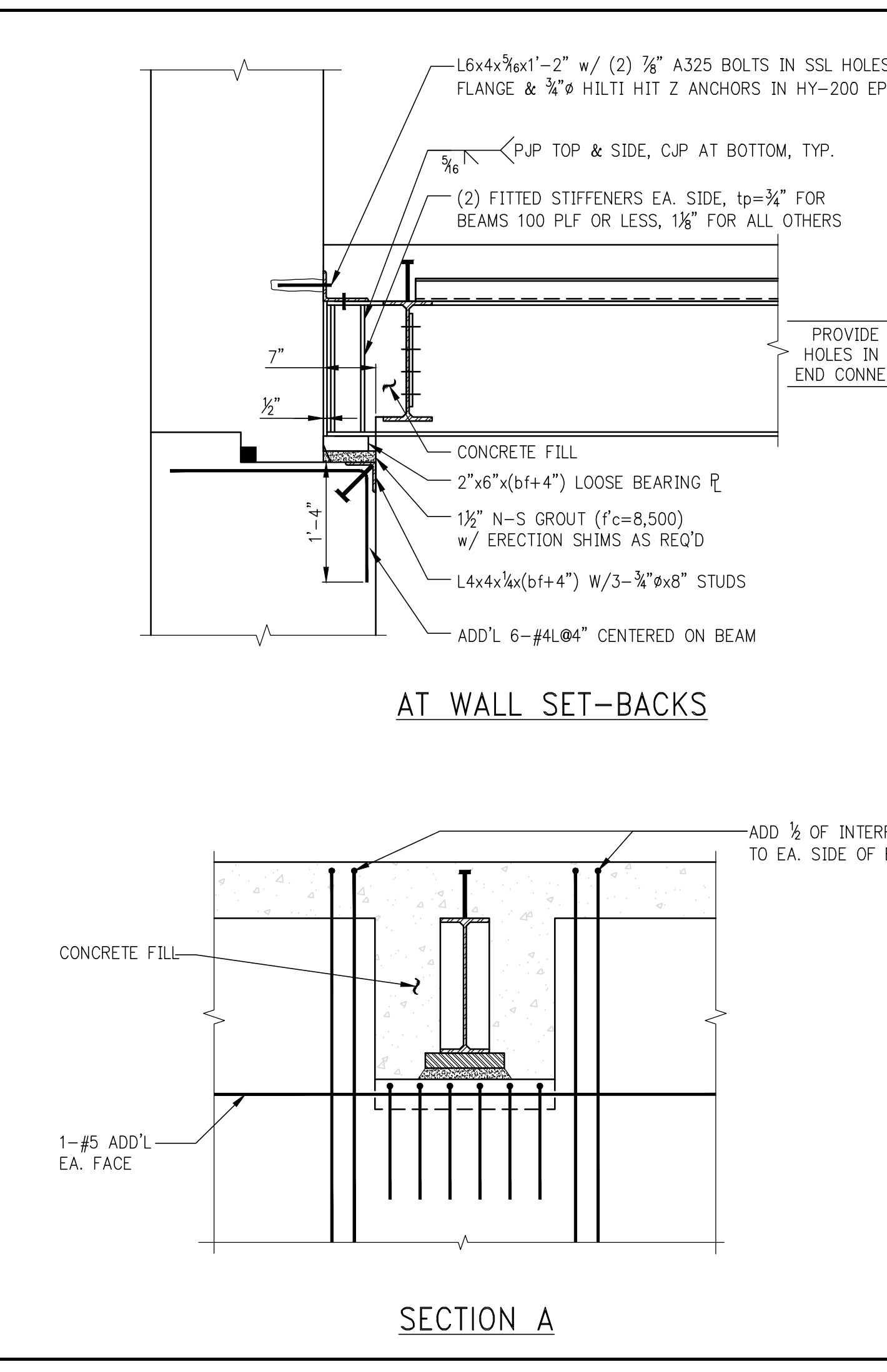
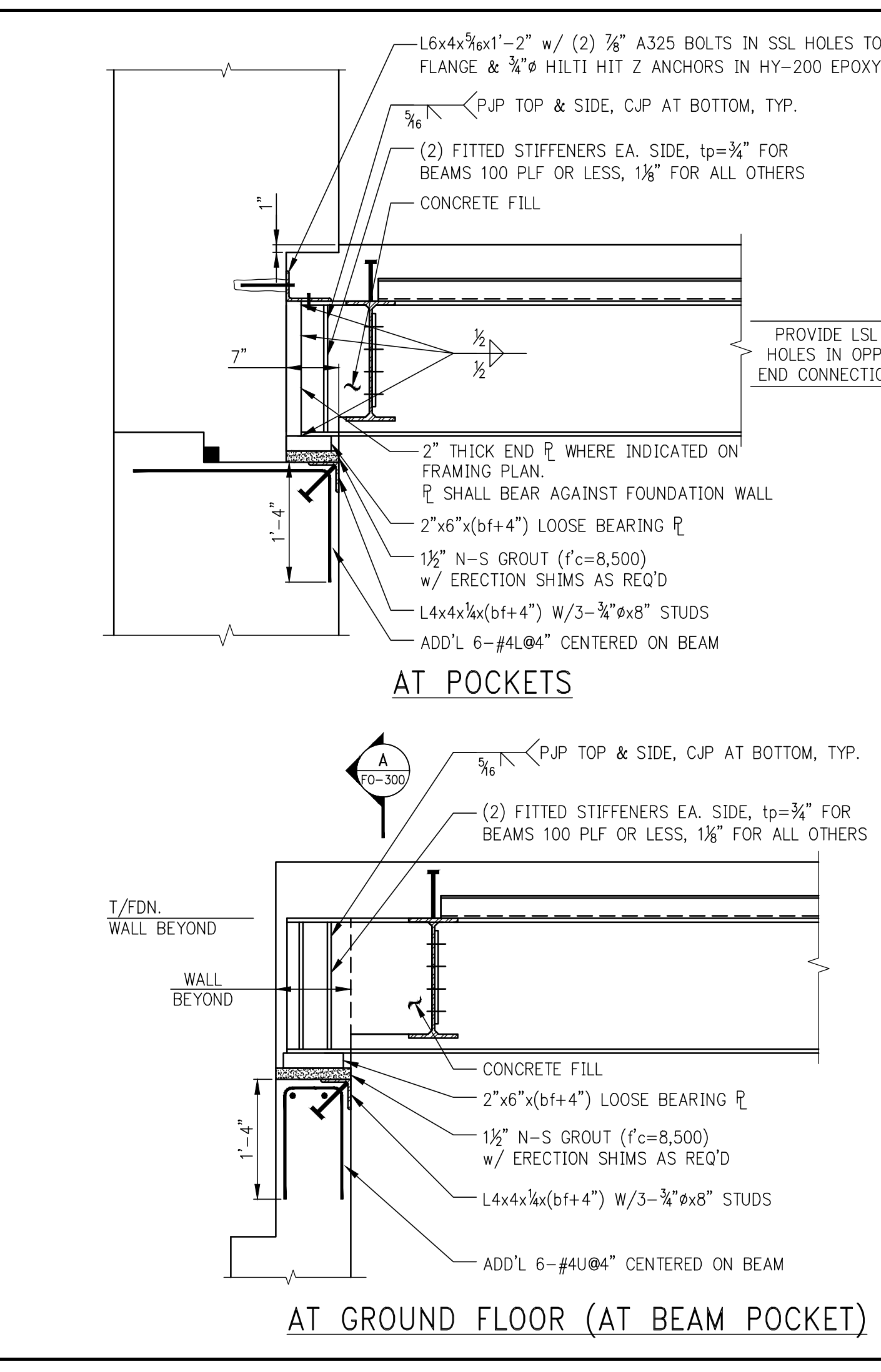
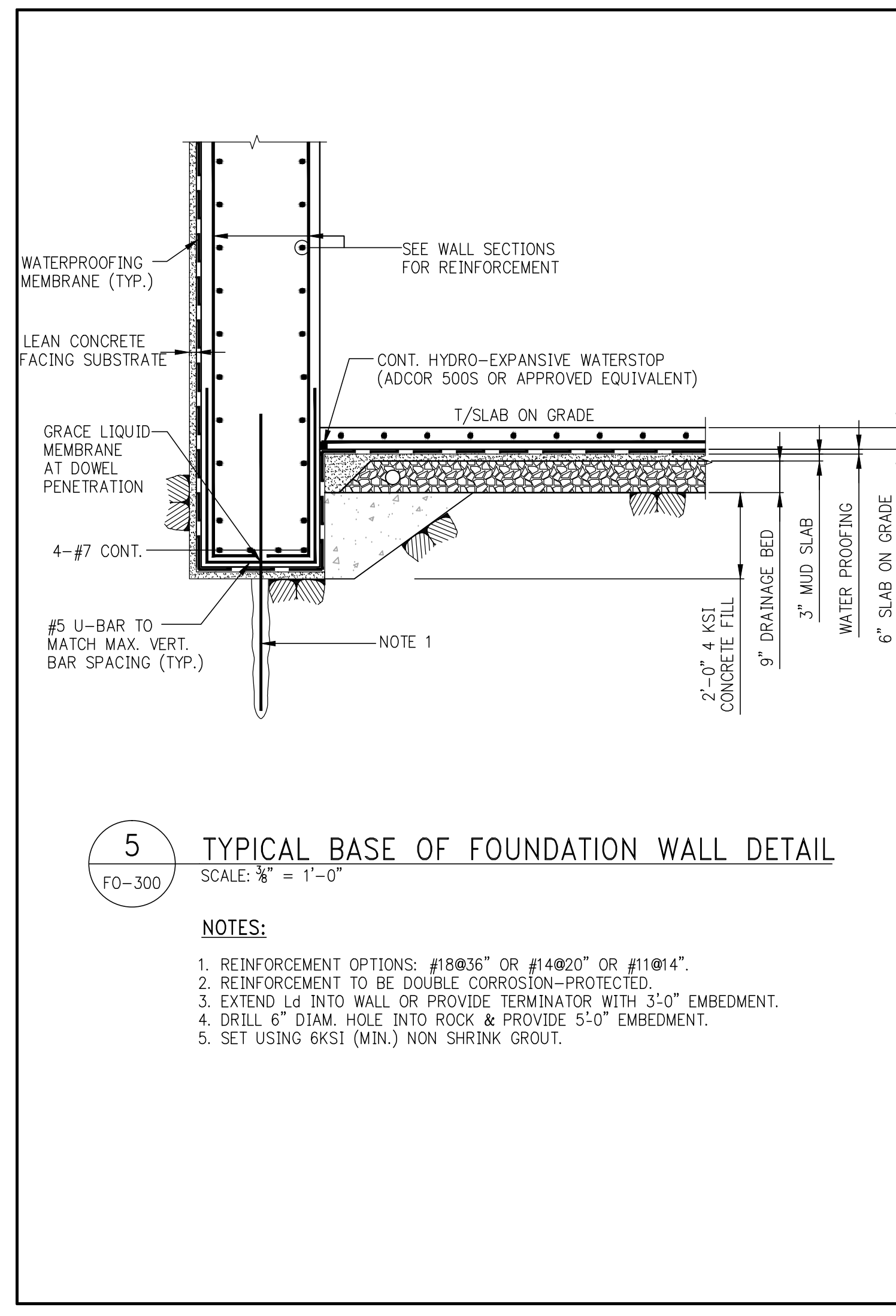
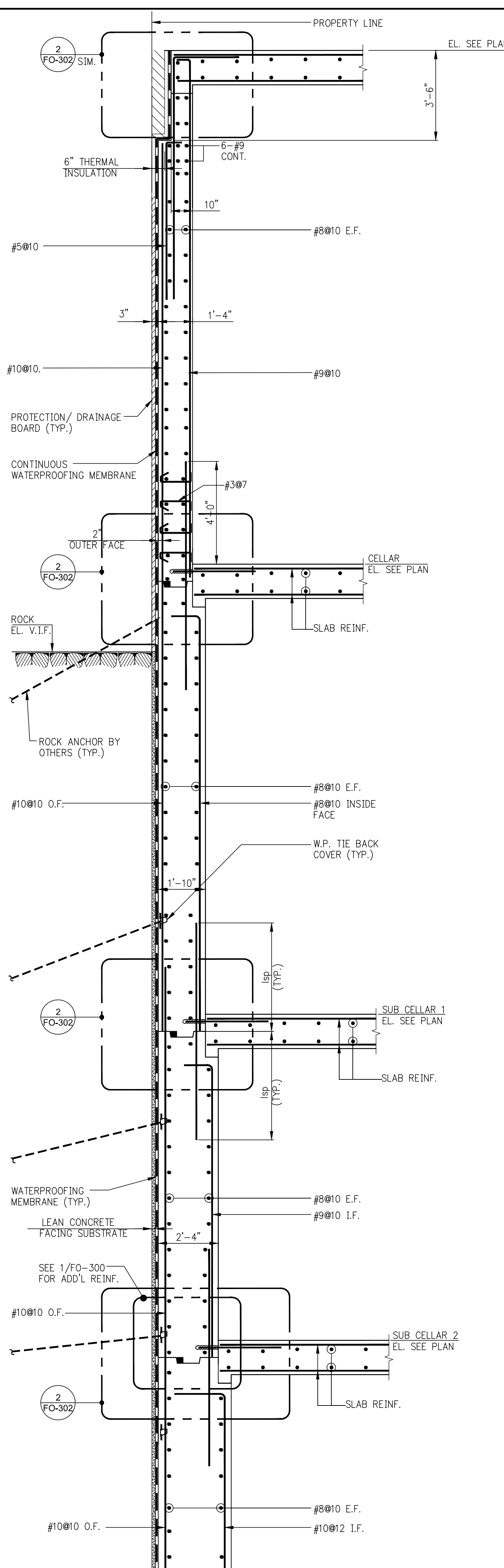
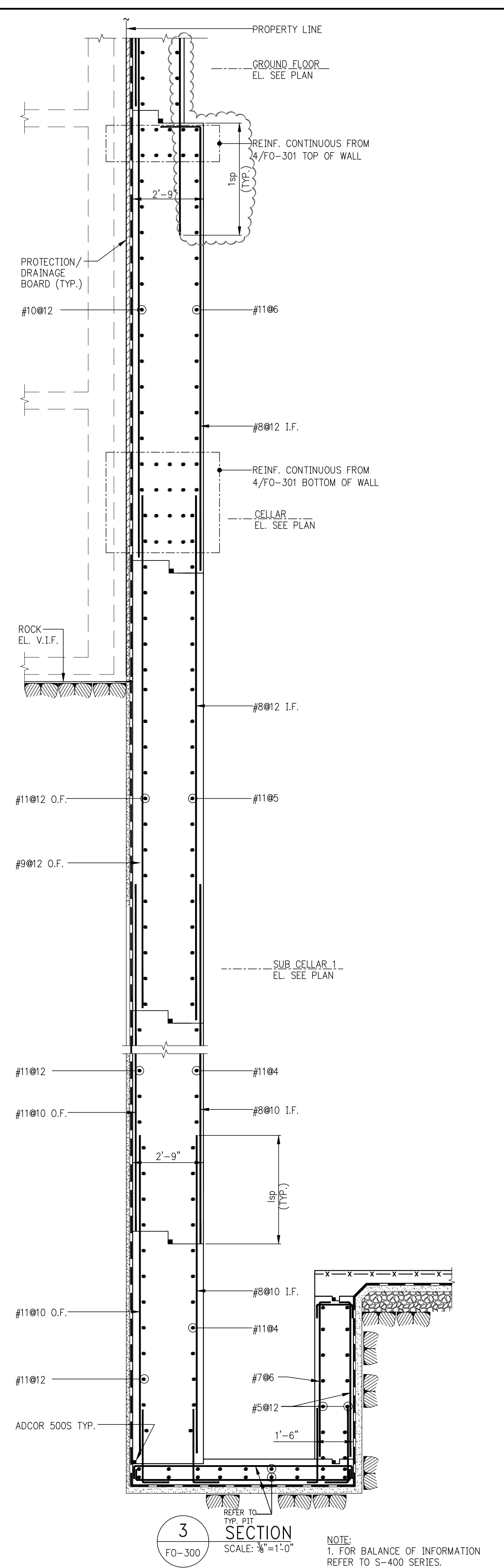
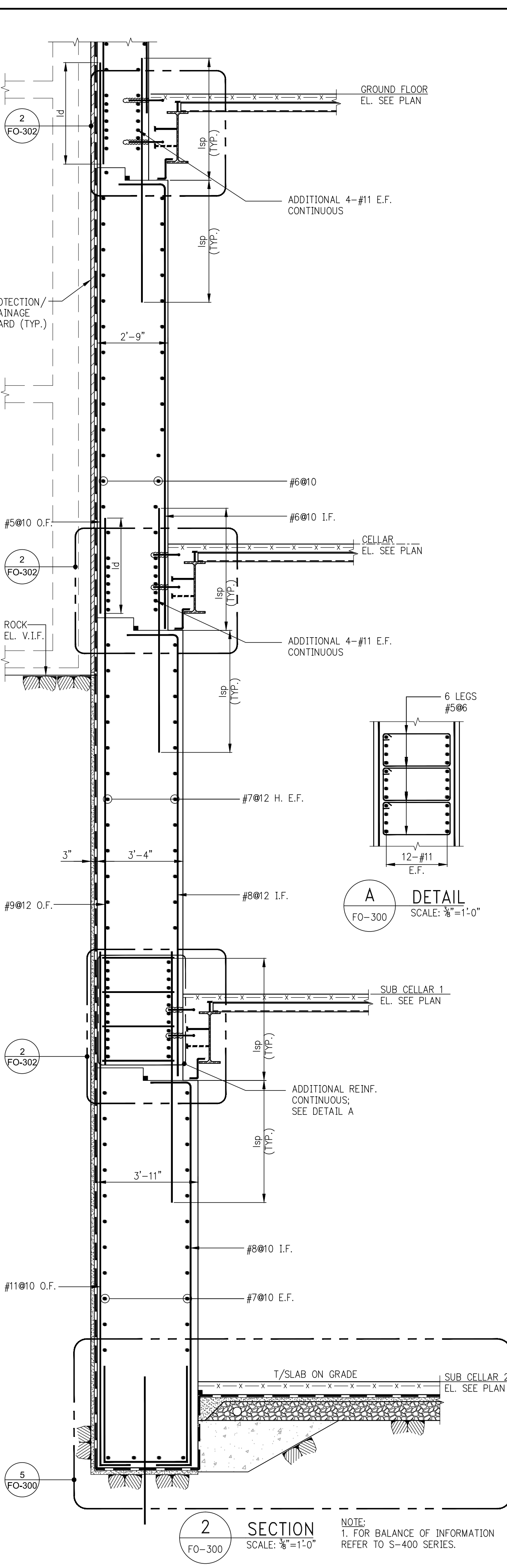
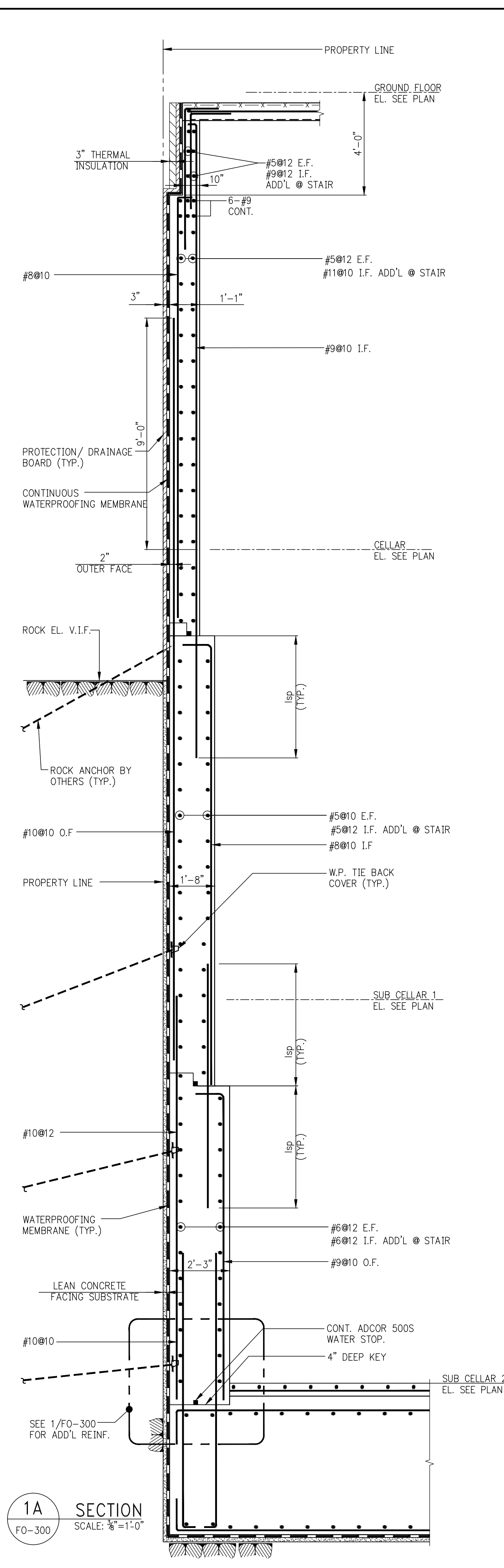
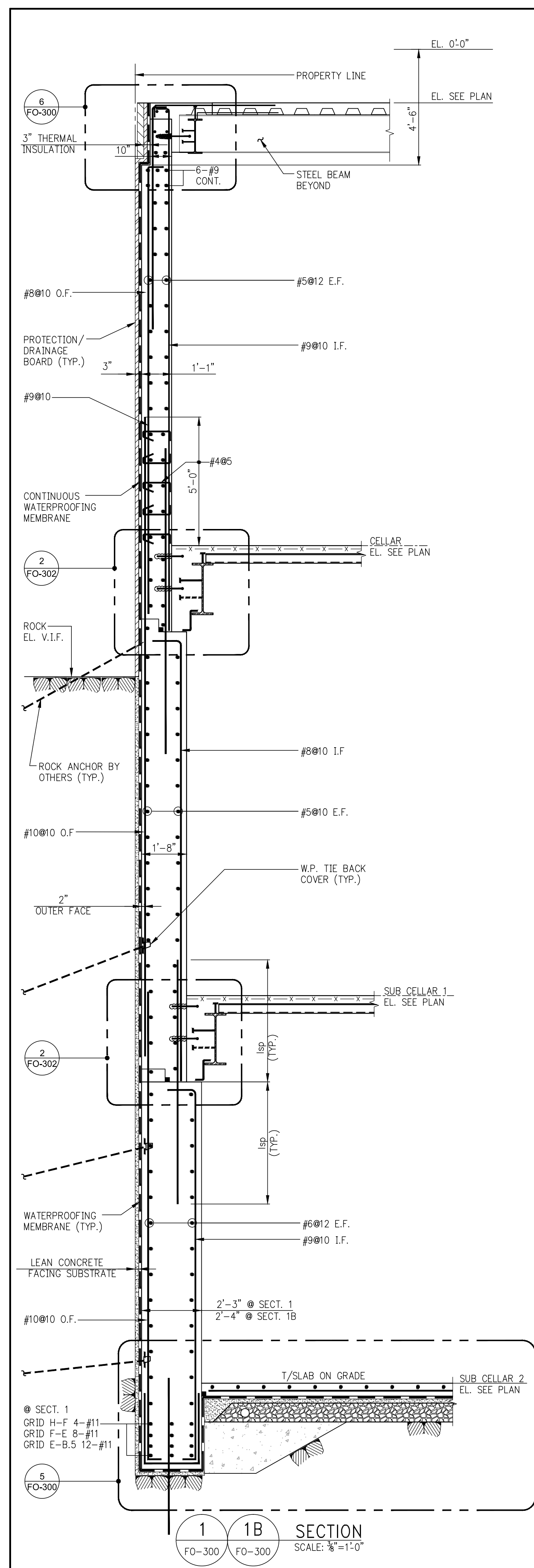
FOUNDATION  
SECTIONS 2

SEAL & SIGNATURE	DATE: 03/31/14	
	PROJECT No: 2012185	
	DRAWN: CADDO	REV: 17
	CHK: Y.E.	
	SCALE: AS INDICATED	
	DWG No: <b>FO-301.02</b>	
DOB PAGE No: of		

DOB EMPLOYEE STAMP: of







**DEVELOPER:**  
EXTELL DEVELOPMENT COMPANY  
805 THIRD AVENUE, 7TH FLOOR  
NEW YORK, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

**DESIGN ARCHITECT:** Base Building Shell & Core  
ADRIAN SMITH + GORDON GILL ARCHITECTURE  
111 WEST MONROE STREET SUITE 2300  
CHICAGO IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

**INTERIOR DESIGNER:** Residential  
Rottet Architecture and Design Studio, PLLC  
238 FIFTH AVE, 7TH FLOOR  
NEW YORK, NY 10001  
TEL: 646 998 7000 FAX: 646 998 7150

**ARCHITECT OF RECORD:** Base Building Shell, Core, & Residential  
AAI ARCHITECTS, P.C.  
401 WALLINGTON ST., 3RD FLOOR  
TORONTO, ON M5V 1E7 CANADA  
TEL: 416 967 1500 FAX: 416 967 7150

**STRUCTURAL ENGINEERS:**  
WSP  
228 EAST 45TH STREET  
NEW YORK, NY 10017 USA  
TEL: 212 687 8888 FAX: 646 487 5501

**MEP ENGINEERS:**  
AKF GROUP  
1501 BROADWAY  
NEW YORK, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5668

**GEOTECHNICAL ENGINEERS:**  
Langan Engineering & Environmental Services  
21 Penn Plaza - 380 West 31st Street, 8th Floor  
NEW YORK, NY 10001-2727  
TEL: 212 479 5400 FAX: 212 479 5444

**CODE CONSULTANTS:**  
Construction Consulting Associates  
100 Church Street  
NEW YORK, NY 10007  
TEL: 212 385 1818 FAX: 212 385 1911

**CURTAINWALL CONSULTANT:**  
A.J.P. Consulting  
40 North Street, Suite 605  
NEW YORK, NY 10013  
TEL: 212 757 5559 FAX: 646 219 8508

**LANDMARK/PRESERVATION CONSULTANT:**  
Jan Hird Pokorny Associates, Inc.  
39 West 37th Street, 12A  
NEW YORK, NY 10018  
TEL: 212 759 6462 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	05-31-2014
2	FOUNDATION BID PACKAGE	03-31-2014
3	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
4	FOUNDATION BID PACKAGE	04-04-2014
5	STEEL BID PACKAGE	05-22-2014
6	FOUNDATION 80% CD	05-22-2014
7	SUPERSTRUCTURE CONCRETE BID	06-02-2014
8	DOB FILING SET	06-12-2014
9	FOUNDATION 90% CD	07-01-2014
10	SK - 0004 RESPONSE TO RF1 0008	07-22-2014
11	SE ZONE STEEL BID	08-20-2014
12	STRUCTURAL STEEL BID	09-15-2014
13	CD PROGRESS ISSUE 1	10-15-2014
14	ISSUED FOR CONSTRUCTION	11-07-2014
15	DOB SUBMISSION	12-10-2014
16	CD PROGRESS ISSUE 2	12-10-2014
17	DOB SUBMISSION	02-06-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

**CONSULTANT:**  
WSP  
228 East 45th Street  
New York, NY 10017  
(212) 687-8888  
www.wspgroup.com/usa

**PROJECT:**  
217 WEST 57TH STREET  
NEW YORK, NY

**DRAWING TITLE:**  
FOUNDATION SECTIONS 1

**SEAL & SIGNATURE:**  
PROJECT No: 2012185  
DRAWN: CADD  
CHK: Y.E.  
SCALE: AS INDICATED  
DWG No: 17

**FO-300.02**  
DOB PAGE No: of  
DOB 8-SCAN:

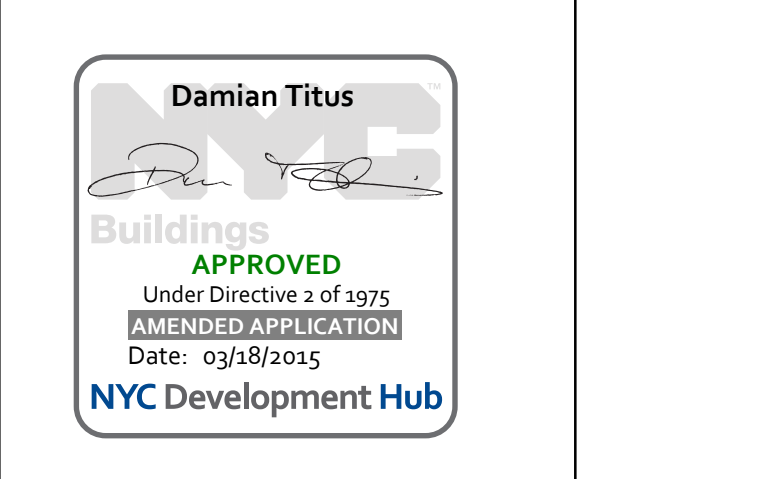
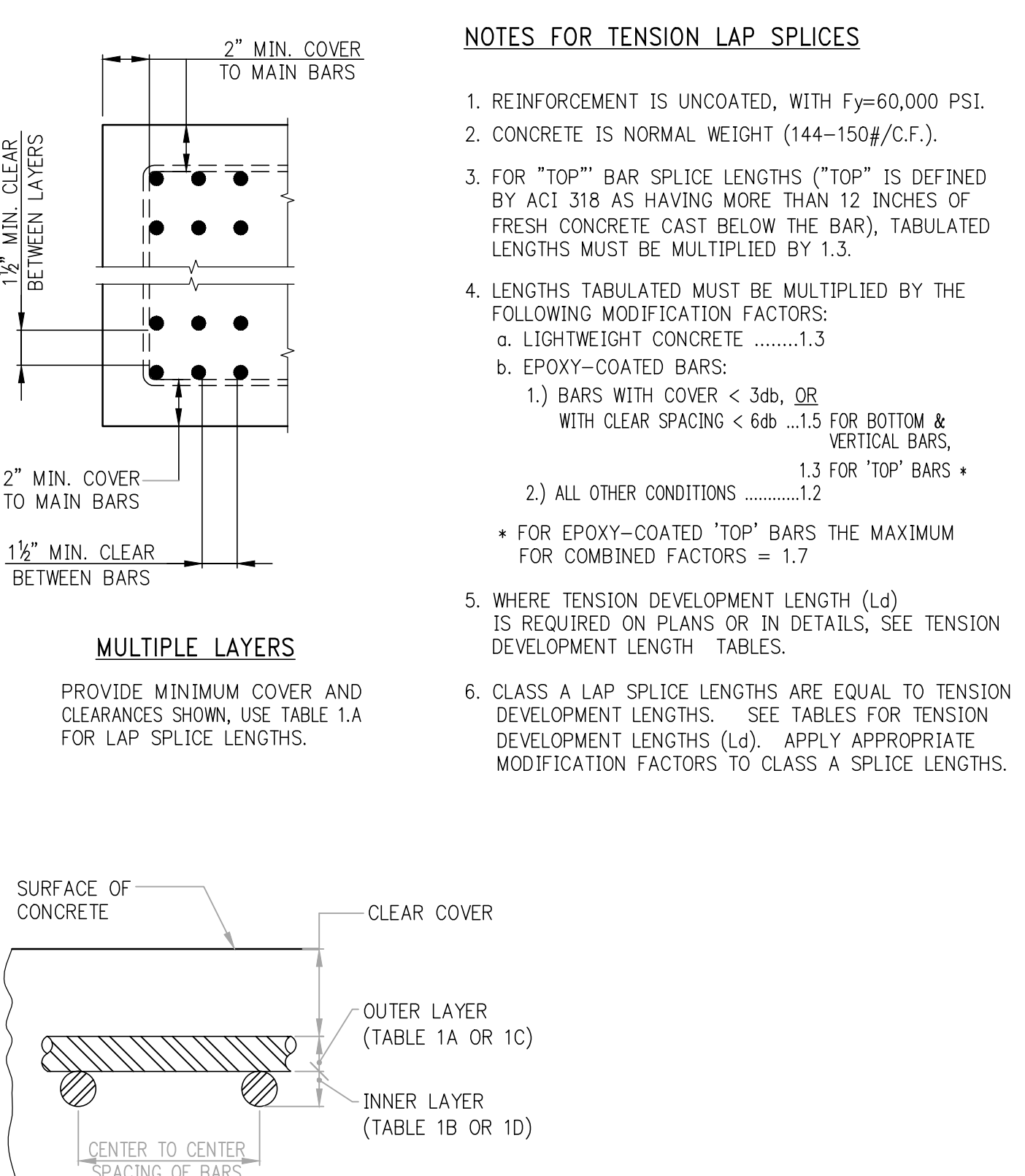




TABLE 1.A: ¾" COVER TO OUTER LAYER BARS OUTER LAYER LAP LENGTHS (IN INCHES)									TABLE 1.C: 1½" COVER TO OUTER LAYER BARS OUTER LAYER LAP LENGTHS (IN INCHES)								
NOTE: USE TABLE 1.A IF BAR SPACING IS LESS THAN 4" C/O UP TO #5. 5" C/O FOR #6, #11									NOTE: USE TABLE 1.A IF BAR SPACING IS LESS THAN 4" C/O UP TO #5. 5" C/O FOR #6, #11								
BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000	BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000
#3	16	16	16	16	16	16	16	16	#3	16	16	16	16	16	16	16	16
#4	21	20	20	20	20	20	20	20	#4	20	20	20	20	20	20	20	20
#5	31	27	24	24	24	24	24	24	#5	24	24	24	24	24	24	24	24
#6	43	37	33	30	29	29	29	29	#6	29	29	29	29	29	29	29	29
#7	69	60	53	49	45	42	40	38	#7	42	37	34	34	34	34	34	34
#8	85	74	66	60	56	52	49	47	#8	53	46	41	39	39	39	39	39
#9	103	89	80	73	67	63	59	56	#9	66	57	51	46	44	44	44	44
#10	121	105	94	86	79	74	70	66	#10	79	68	61	56	51	49	49	49
#11	140	122	109	99	92	86	81	77	#11	92	80	72	65	60	57	54	54
TABLE 1.B: ¾" COVER TO OUTER LAYER BARS INNER LAYER LAP LENGTHS (IN INCHES)									TABLE 1.D: 1½" COVER TO OUTER LAYER BARS INNER LAYER LAP LENGTHS (IN INCHES)								
NOTE: USE TABLE 1.A IF BAR SPACING IS LESS THAN 4" C/O UP TO #5. 5" C/O FOR #6, #11									NOTE: USE TABLE 1.A IF BAR SPACING IS LESS THAN 5" C/O UP TO #5. 6" C/O FOR #6, #11								
BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000	BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000
#3	16	16	16	16	16	16	16	16	#3	16	16	16	16	16	16	16	16
#4	20	20	20	20	20	20	20	20	#4	20	20	20	20	20	20	20	20
#5	24	24	24	24	24	24	24	24	#5	24	24	24	24	24	24	24	24
#6	30	29	29	29	29	29	29	29	#6	29	29	29	29	29	29	29	29
#7	48	42	38	34	34	34	34	34	#7	37	34	34	34	34	34	34	34
#8	61	53	47	43	40	39	39	39	#8	43	39	39	39	39	39	39	39
#9	75	65	58	53	49	46	44	44	#9	53	46	44	44	44	44	44	44
#10	89	77	69	63	58	55	51	49	#10	65	55	49	49	49	49	49	49
#11	104	90	81	74	68	64	60	57	#11	75	65	58	54	54	54	54	54



# TABLE #2:

## TENSION DEVELOPMENT LENGTHS ( $L_d$ ) (IN INCHES)

### TABLE 2.A: 3/4" COVER TO OUTER LAYER BARS

#### OUTER LAYER DEVELOPMENT LENGTHS

BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000
#3	12	12	12	12	12	12	12	12
#4	16	14	13	12	12	12	12	12
#5	24	21	19	17	16	15	14	13
#6	33	28	25	23	22	20	19	18
#7	53	46	41	37	35	32	31	29
#8	66	57	51	46	43	40	38	36
#9	79	69	61	56	52	49	46	43
#10	93	81	72	66	61	57	54	51
#11	108	94	84	76	71	66	62	59

### TABLE 2.C: 1 1/2" COVER TO OUTER LAYER BARS

#### OUTER LAYER DEVELOPMENT LENGTHS

BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000
#3	12	12	12	12	12	12	12	12
#4	13	12	12	12	12	12	12	12
#5	16	14	13	13	13	13	13	13
#6	20	17	15	15	15	15	15	15
#7	32	28	25	23	21	20	19	18
#8	41	36	32	29	27	25	24	23
#9	50	44	39	36	33	31	29	28
#10	60	52	47	43	40	37	35	33
#11	71	61	55	50	46	43	41	39

### TABLE 2.B: 3/4" COVER TO OUTER LAYER BARS

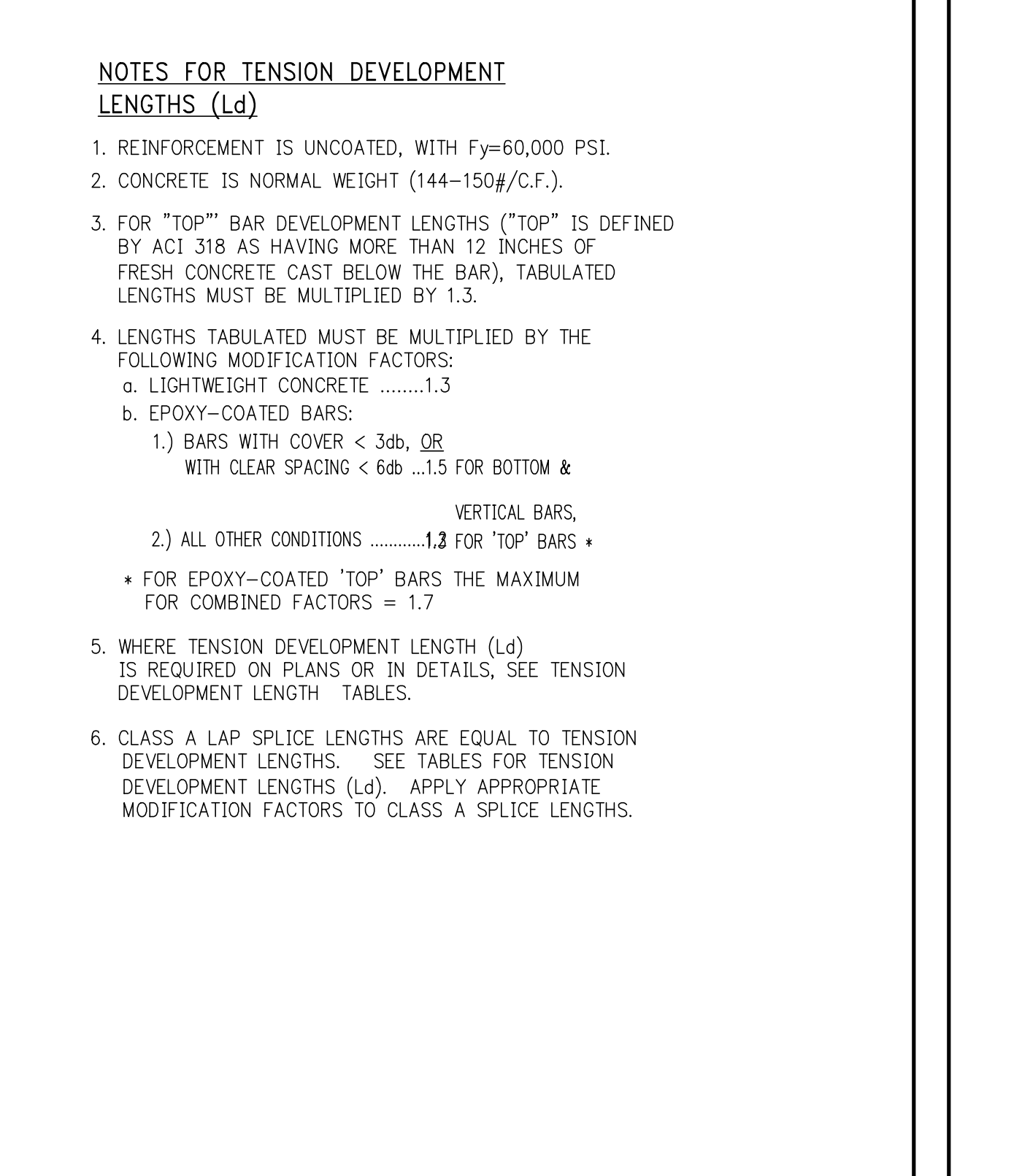
#### INNER LAYER DEVELOPMENT LENGTHS

BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000
#3	12	12	12	12	12	12	12	12
#4	13	12	12	12	12	12	12	12
#5	16	14	13	13	13	13	13	13
#6	20	17	15	15	15	15	15	15
#7	37	32	29	26	24	23	22	20
#8	47	41	36	33	31	29	27	26
#9	57	50	44	41	38	35	33	31
#10	68	59	53	48	45	42	40	38
#11	80	69	62	57	52	49	46	44

### TABLE 2.D: 1 1/2" COVER TO OUTER LAYER BARS

#### INNER LAYER DEVELOPMENT LENGTHS

BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000
#3	12	12	12	12	12	12	12	12
#4	13	12	12	12	12	12	12	12
#5	16	14	13	13	13	13	13	13
#6	20	17	15	15	15	15	15	15
#7	29	25	22	20	19	18	18	18
#8	33	28	25	23	22	20	20	20
#9	41	35	31	29	27	25	23	23
#10	49	42	38	35	32	30	28	27
#11	58	50	45	41	38	35	33	32



STANDARD END HOOKS ( $l_{dh}$ ) (LENGTHS IN INCHES)								
BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000 <sup>†</sup>
#3	9	7	7	6	6	6	6	6
#4	11	10	9	8	7	7	7	6
#5	14	12	11	10	9	9	8	8
#6	17	15	13	12	11	10	10	9
#7	19	17	15	14	13	12	11	11
#8	22	19	17	16	15	14	13	12
#9	25	22	19	18	16	15	15	14
#10	28	24	22	20	19	17	16	16
#11	31	27	24	22	21	19	18	17
#14	37	32	29	27	25	23	22	21
#18	50	43	39	35	33	31	29	27

NOTES:

1. TABLE 2 CONFORMS TO ACI 318-2002 (AND 2005), TABULATED VALUES ARE BASED UPON ACI 12.5.2, ASSUMING GRADE 60 REINFORCEMENT AND NORMALWEIGHT CONCRETE.
2. PER ACI 12.5.3 c), FOR #11 AND SMALLER BARS, IF COVER TO BAR IS  $\geq \frac{3}{4}$  INCHES OR MORE, AND FOR 90 DEGREE HOOK, WITH COVER ON BAR EXTENSION BEYOND HOOK NOT LESS THAN 2 INCHES, A MODIFICATION FACTOR OF 0.7 MAY BE APPLIED. MINIMUM  $l_{dh}$  SHALL NOT BE LESS THAN 8db NOR 6 INCHES.

Diagram illustrating the standard end hook for a bar. The diagram shows a bar with diameter  $D$  and hook length  $l_{dh}$ . The hook is bent 90 degrees. The diagram is labeled "END VIEW" and "CRITICAL SECTION". Dimensions include 2" MIN. for the end hook, 1/4" END COVER, and 3/4" MIN. for the bar extension beyond the hook. The diagram also shows the bar diameter  $D$  and the hook angle of 90 degrees.

Labels in diagram:

- 2" MIN.
- 1/4" END COVER
- END VIEW
- 3/4" MIN.
- $l_{dh}$
- CRITICAL SECTION
- $D = 6$  db. UP TO #8
- $D = 8$  db FOR #9, #10, #11
- $D = 10$  db FOR #14 & #18

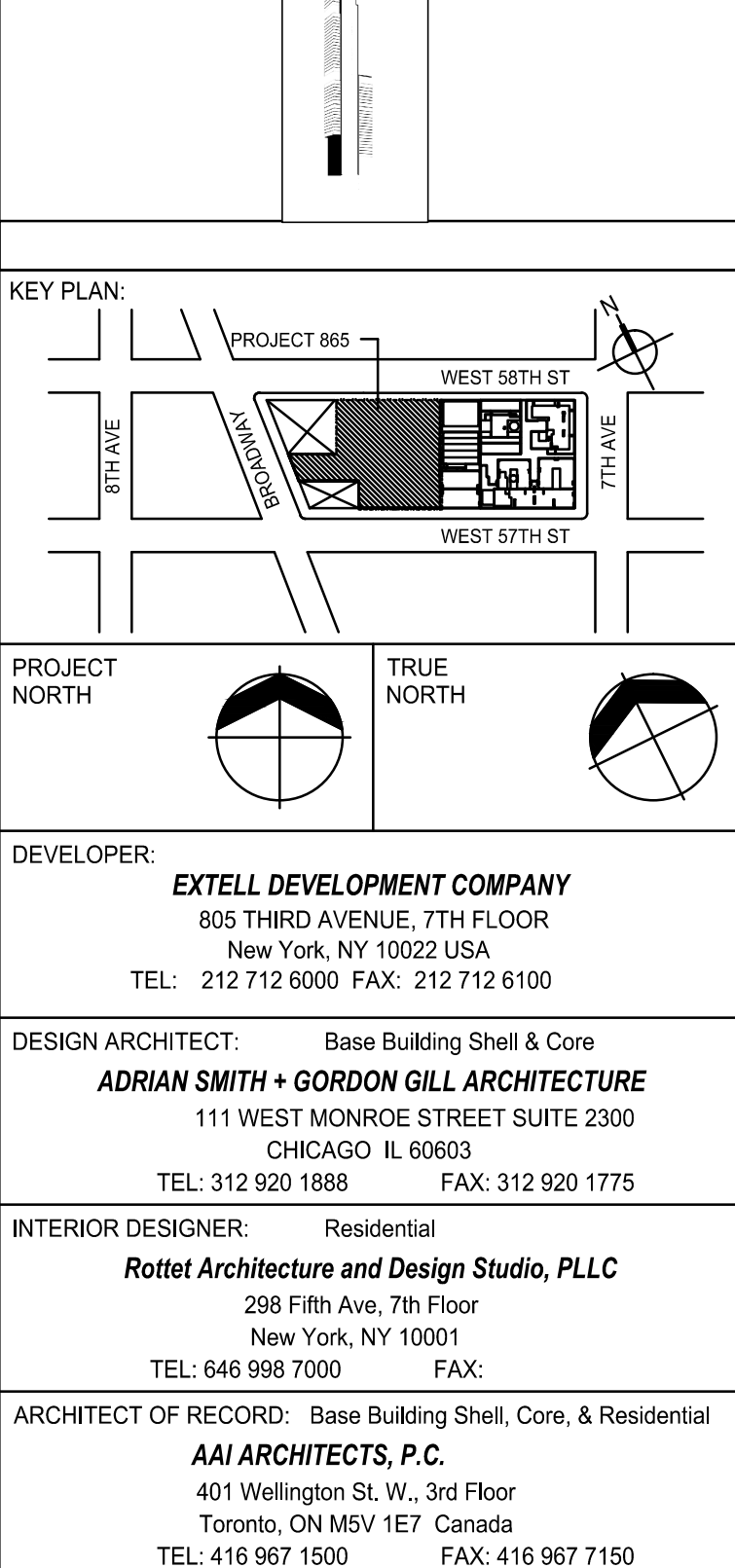


TABLE #4 COMPRESSION LAP SPICES (LENGTHS IN INCHES)			
BAR SIZE	GRADE OF REINFORCEMENT	60 KSI (30 DIA.)	75 KSI (44 DIA.)
#3	12	17	18
#4	15	22	24
#5	19	28	30
#6	23	33	36
#7	27	39	42
#8	30	44	48
#9	34	50	54
#10	38	56	61
#11	43	62	68

**NOTE:** TABLE #3 APPLIES FOR NORMALWEIGHT CONCRETE WITH  $f_c = 3,000$  PSI OR GREATER.

TABLE #5 DEVELOPMENT LENGTHS FOR BARS IN COMPRESSION (LENGTHS IN INCHES)									
BAR SIZE	$f_y = 60,000$ PSI			$f_y = 75,000$ PSI			$f_y = 80,000$ PSI		
	CONC. $f_c$ (IN PSI)	CONC. $f_c$ (IN PSI)	CONC. $f_c$ (IN PSI)	CONC. $f_c$ (IN PSI)	CONC. $f_c$ (IN PSI)	CONC. $f_c$ (IN PSI)	CONC. $f_c$ (IN PSI)	CONC. $f_c$ (IN PSI)	CONC. $f_c$ (IN PSI)
#3	12	12	12	12	12	12	12	12	12
#4	12	12	12	14	12	12	15	13	12
#5	14	12	12	17	15	14	18	16	15
#6	17	15	14	21	18	17	22	19	18
#7	19	17	16	24	21	20	26	22	21
#8	22	19	18	28	24	23	29	25	24
#9	25	22	21	31	27	25	33	28	27
#10	28	24	23	34	30	28	36	31	30
#11	31	27	26	38	33	31	40	34	33
#14	37	32	31	48	42	39	51	44	42
#18	50	43	41	62	54	51	65	56	54

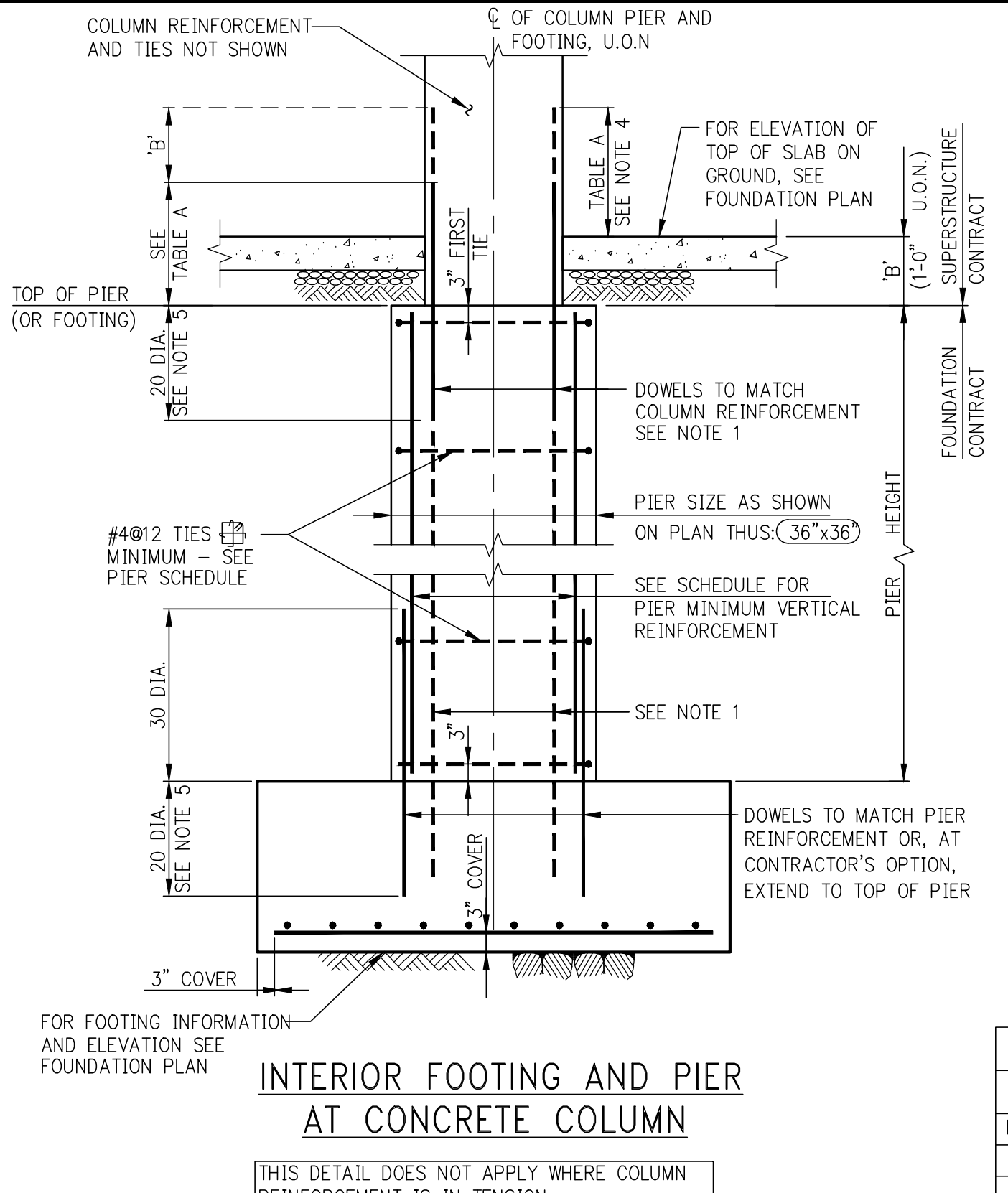
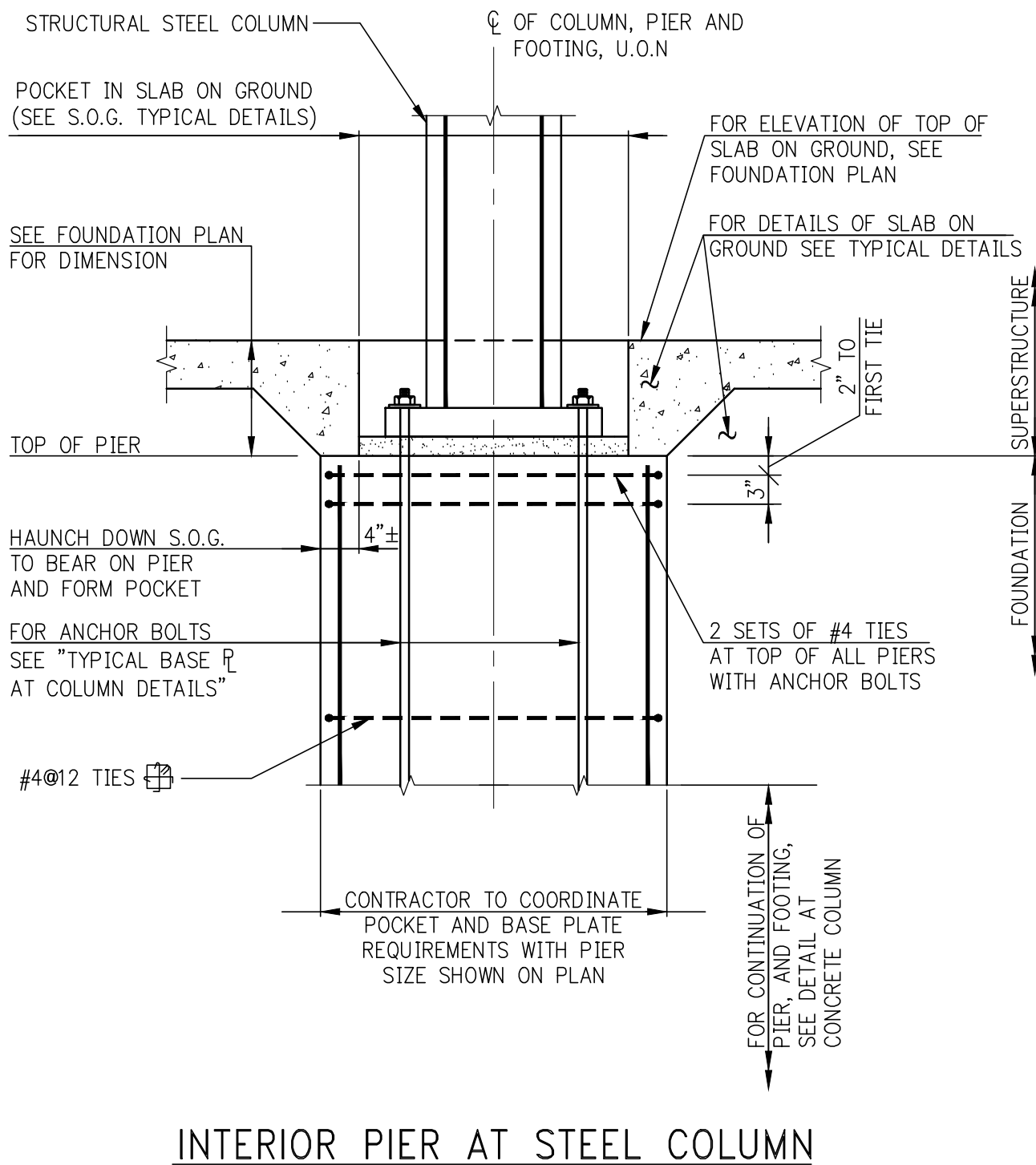


TABLE A COMPRESSION LAP SPICE LENGTH		
BAR SIZE	$f_y=60$ KSI	$f_y=75$ KSI
#5 TO #11	30 DIA.	44 DIA.
#14 & #18	45"-#11 DOWELS	60"-#11 DOWELS



No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	05-31-2014
2	FOUNDATION BID PACKAGE	03-31-2014
3	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
4	FOUNDATION BID PACKAGE	04-04-2014
5	STEEL BID PACKAGE	05-22-2014
6	FOUNDATION 80% CD	05-22-2014
7	SUPERSTRUCTURE CONCRETE BID	06-02-2014
8	DOE FILMS SET	06-12-2014
9	FOUNDATION 90% CD	07-01-2014
10	STRUCTURAL STEEL BID	08-15-2014
11	CD PROGRESS ISSUE 1	10-15-2014
12	DOE SUBMISSION	12-19-2014
13	DOE SUBMISSION	02-05-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

**CONSULTANT:** WSP  
228 East 45th Street  
New York, NY 10017  
(212) 687-8888  
www.wspgroup.com/usa

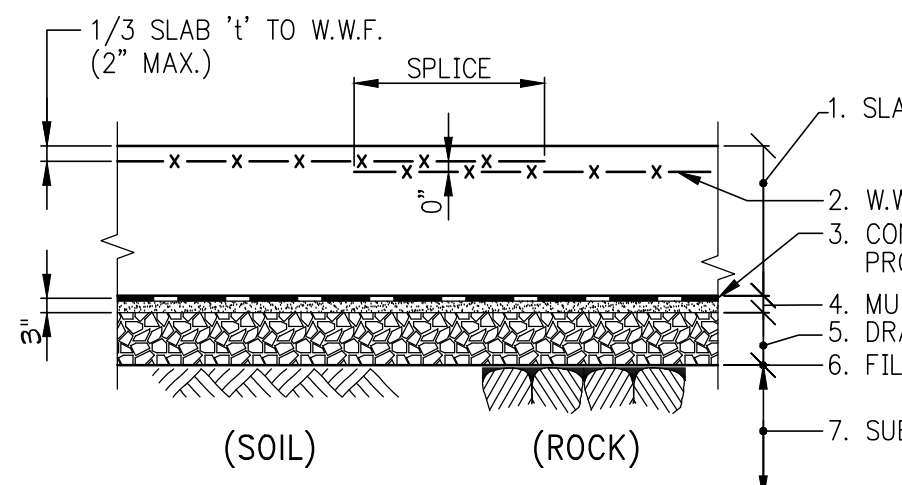
**PROJECT:** 217 WEST 57TH STREET  
NEW YORK, NY

**DRAWING TITLE:** TYPICAL FOUNDATION DETAILS 4

**SEAL & SIGNATURE:** Damian Titus  
Under Directive 2 of 1975  
Professional Engineer  
NYC Development Hub

**DATE:** 03/31/14  
**PROJECT No:** 2012186  
**DRAWN:** CADDO  
**CHK:** Y.E.  
**SCALE:** AS SHOWN  
**DWG No:** FO-203.02  
**DOE PAGE No:** of  
**DOE EMPLOYEE STAMP:** of  
**DOE B-SCAN:**

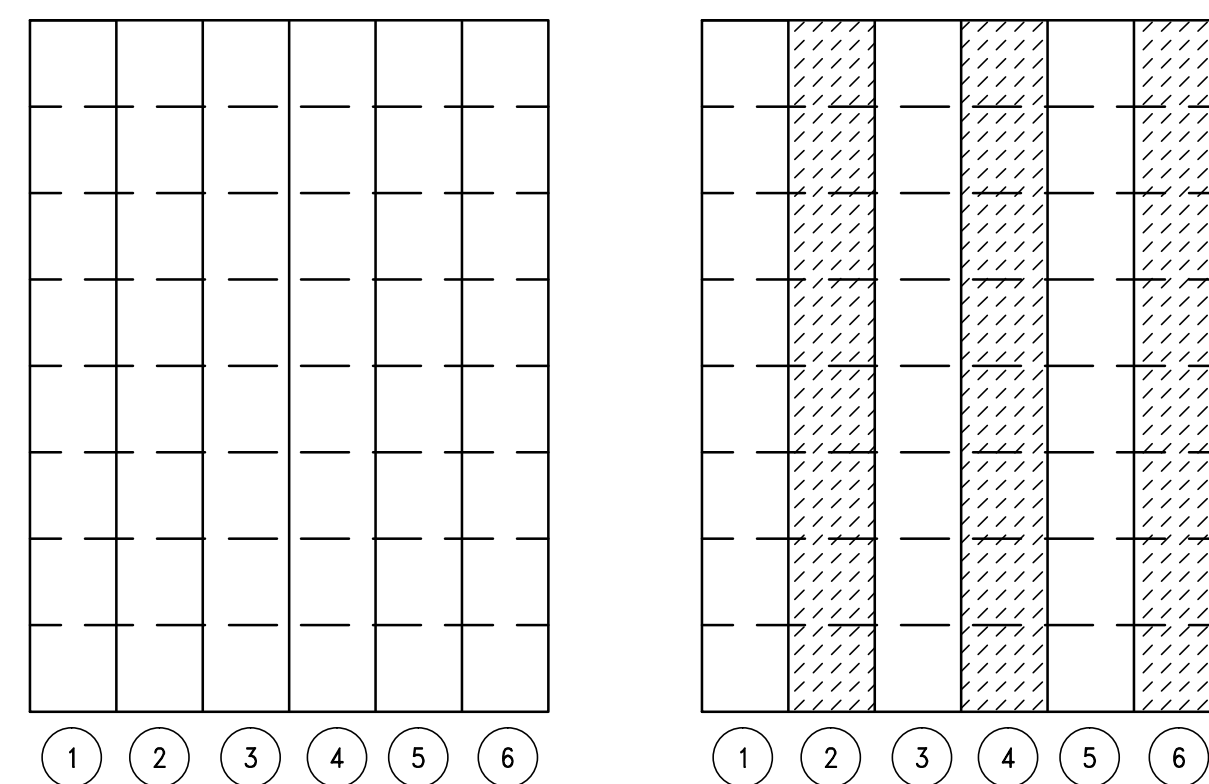




TYPICAL DETAIL - SLAB ON GROUND

- NOTES:
1. SLAB THICKNESS "t"=6" UNLESS OTHERWISE NOTED ON PLANS.
  2. W.W.F. REINFORCEMENT: SEE TABLE.
  3. GRADE PREPARED WATER PROOFING MEMBRANE ON 3" MUD SLAB.
  4. 9" LAYER 3/4" CLEAN CRUSHED STONE.
  5. FILTER FABRIC.
  6. SUB GRADE COMPACTED FILL, BACKFILL OR UNDISTURBED SOIL OR LEVELED ROCK SURFACE.

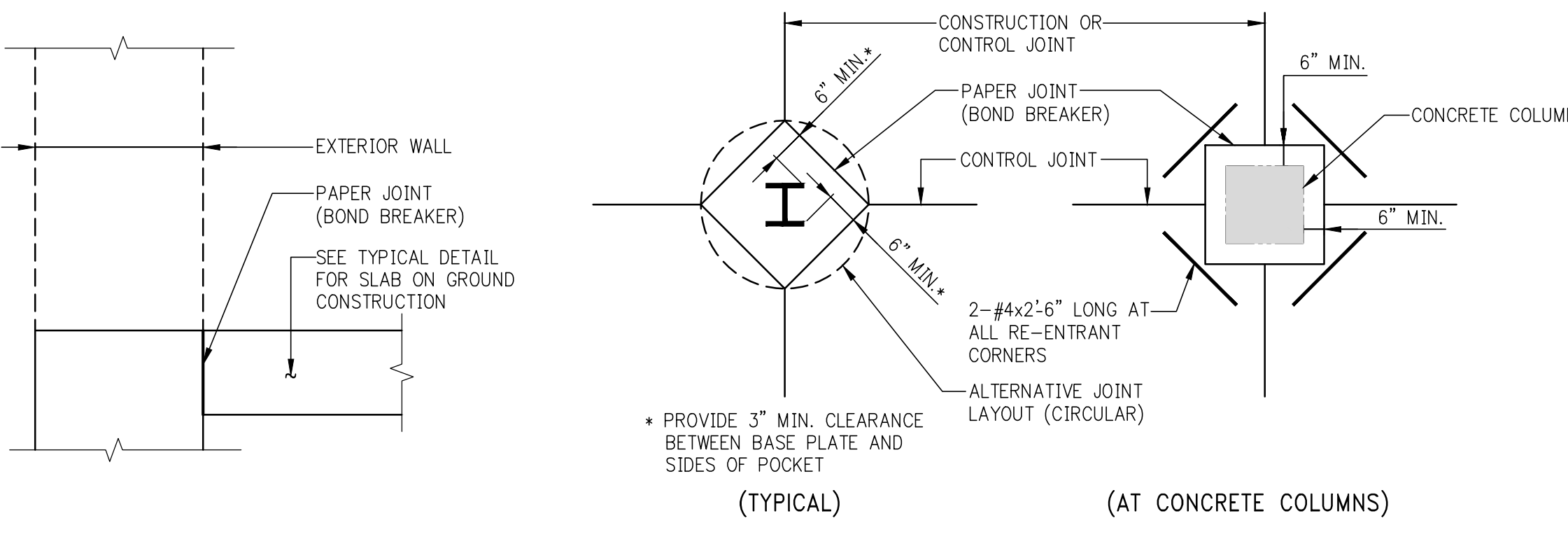
SLAB 't'	SLAB REINFORCEMENT (UNLESS OTHERWISE NOTED) W.W.F.
5"	6 x 6 - W2.1 x W2.1
6"-7"	6 x 6 - W2.9 x W2.9
8"-9"	6 x 6 - W4.0 x W4.0
10" OR MORE	REBAR PER DRAWINGS



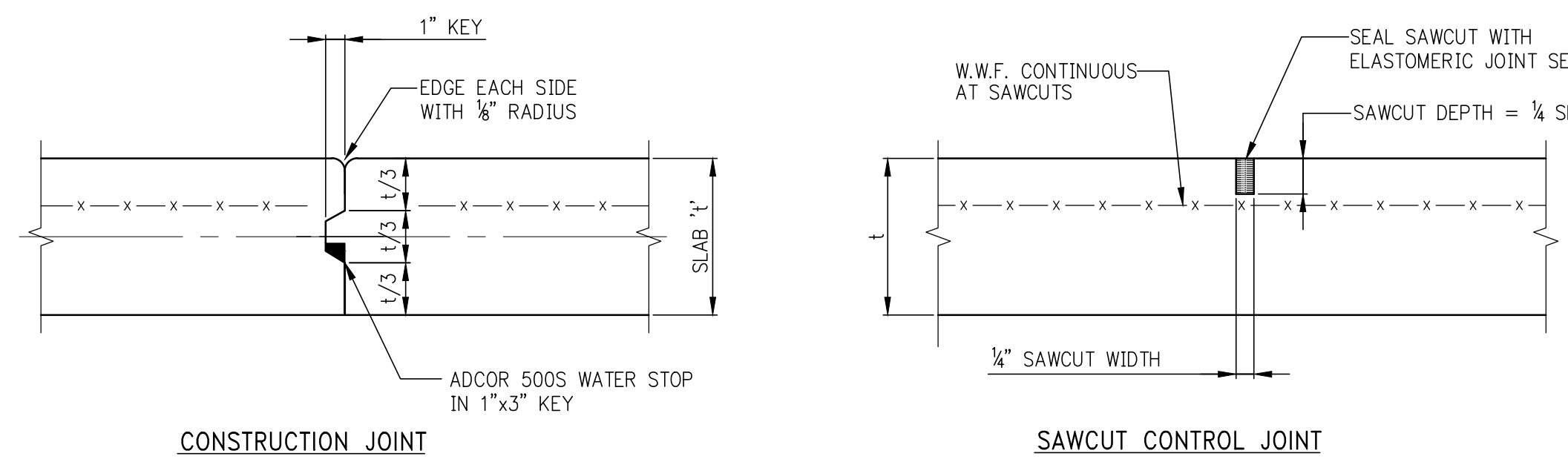
SUGGESTED SEQUENCE OF CASTING STRIPS

- SLAB ON GROUND NOTES:
1. SLAB ON GROUND SHALL BE PLACED IN STRIPS, AS SHOWN IN "SUGGESTED SEQUENCE OF CASTING STRIPS".
  2. CONTROL JOINTS SHALL BE SAWCUT AS SOON AS CONCRETE IS HARD ENOUGH NOT TO BE TORN OR DAMAGED BY THE BLADE, AND BEFORE THE CONCRETE STARTS TO COOL. TYPICALLY JOINTS SHOULD BE CUT 4 TO 12 HOURS AFTER THE SLAB HAS BEEN FINISHED, DEPENDING UPON WEATHER AND JOB CONDITIONS.
  3. SPACING OF SAWCUT CONTROL JOINTS (IN FEET) TO BE APPROXIMATELY THREE TIMES THE SLAB THICKNESS IN INCHES, WITH A MAXIMUM OF TWENTY (20) FEET.
  4. A MAXIMUM RATIO OF 1:5 SHALL BE MAINTAINED BETWEEN LONG AND SHORT DIMENSIONS OF PANELS FORMED BY CONSTRUCTION AND CONTROL JOINTS.

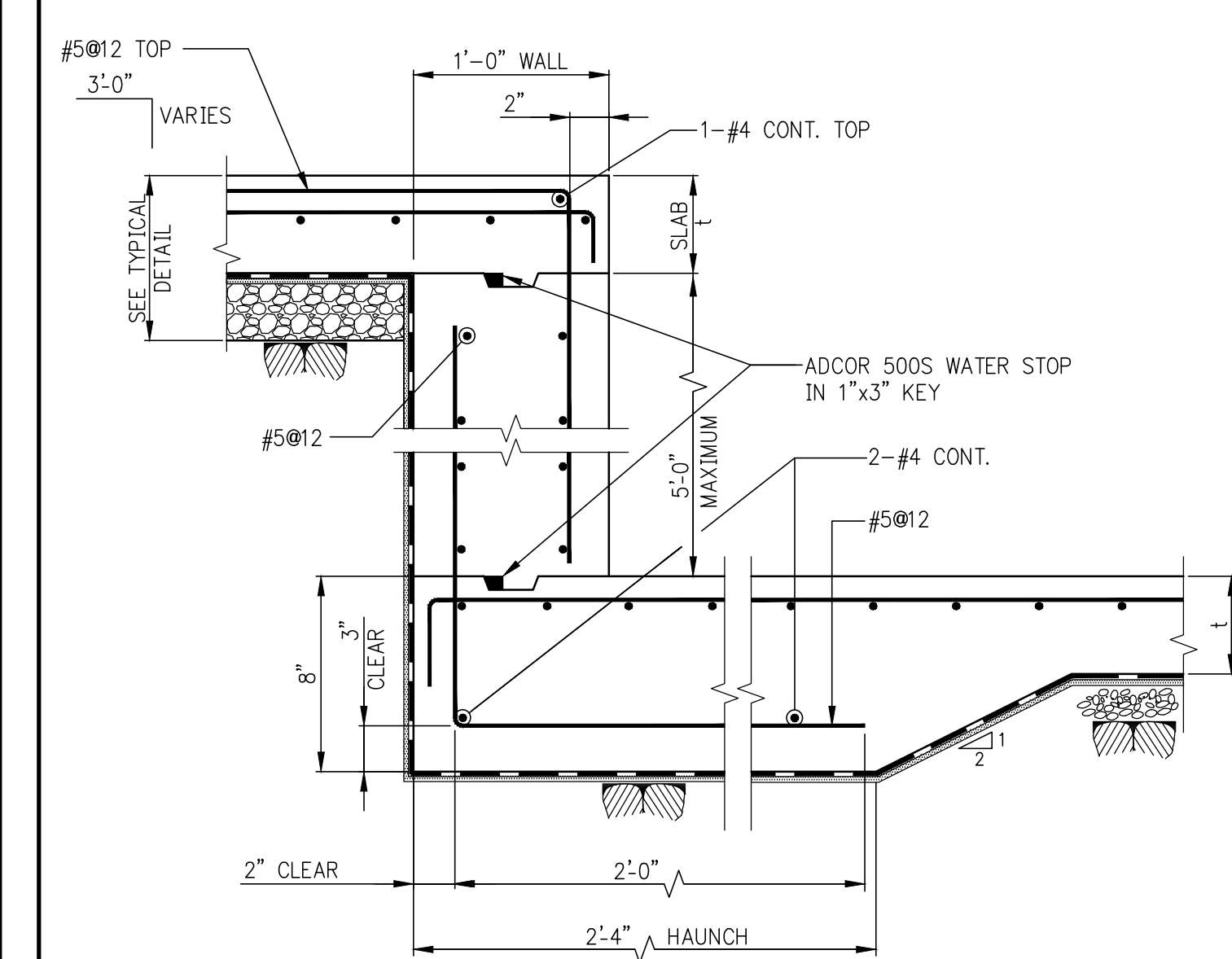
- LEGEND:
- STRIPS CAST FIRST
  - INFILL STRIPS
  - FORMED JOINTS
  - SAWCUT JOINTS



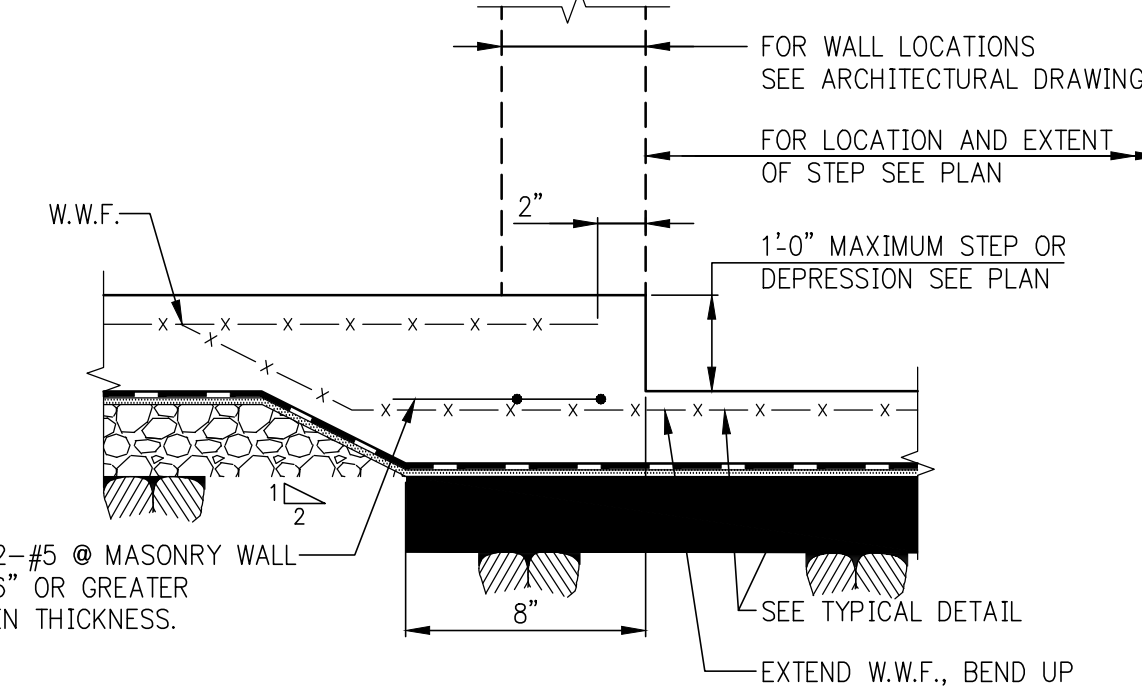
ISOLATION JOINT AT PERIMETER WALL



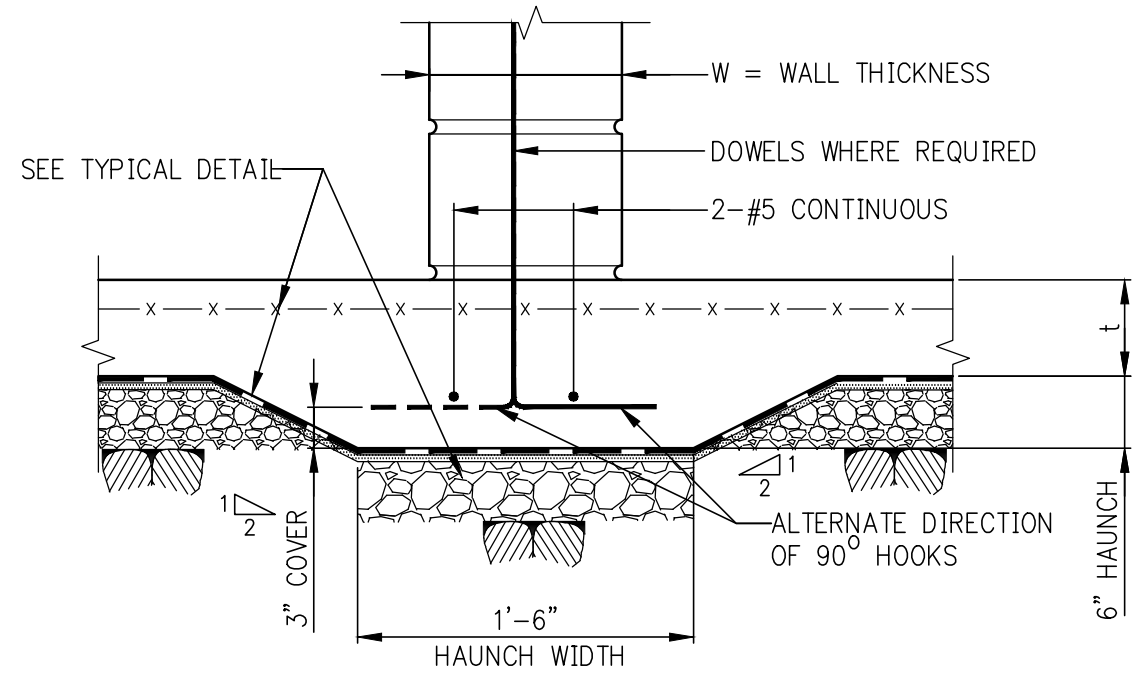
SLAB ON GROUND JOINT DETAILS



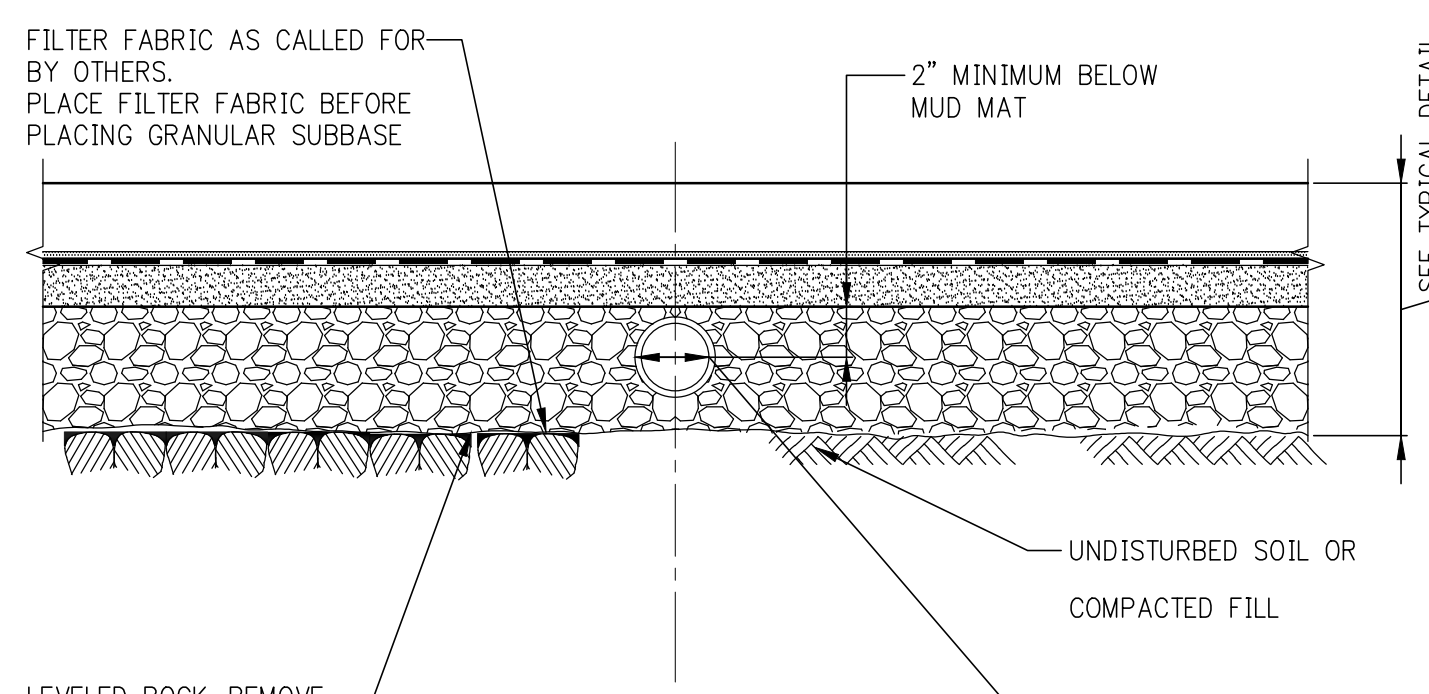
SLAB ON GROUND STEP OR DEPRESSION GREATER THAN 1'-0"



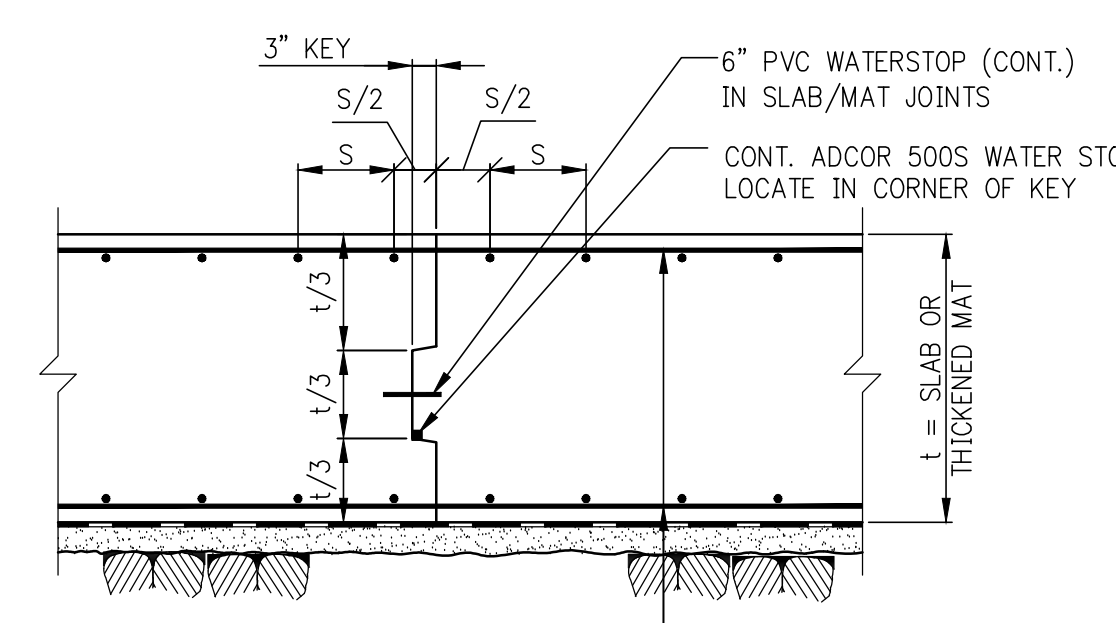
SLAB ON GROUND STEP OR DEPRESSION 1'-0" OR LESS



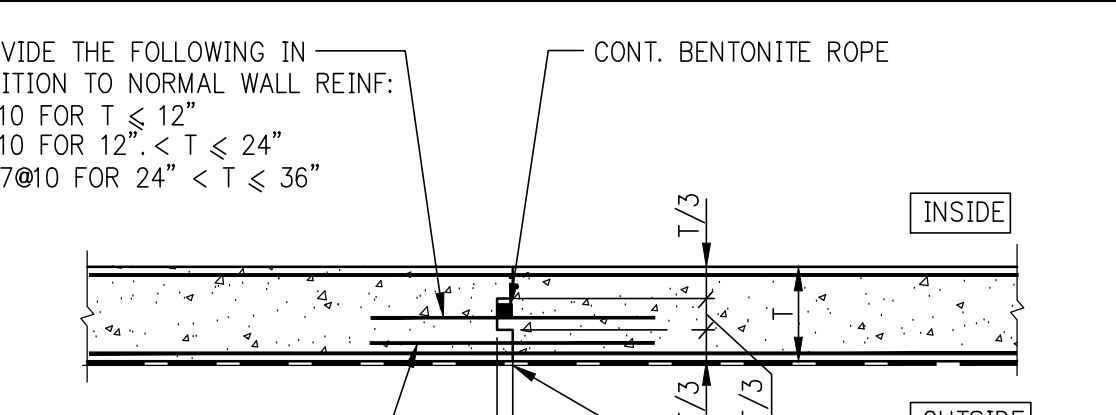
THICKENED SLAB AT MASONRY WALLS 6" THICK OR GREATER



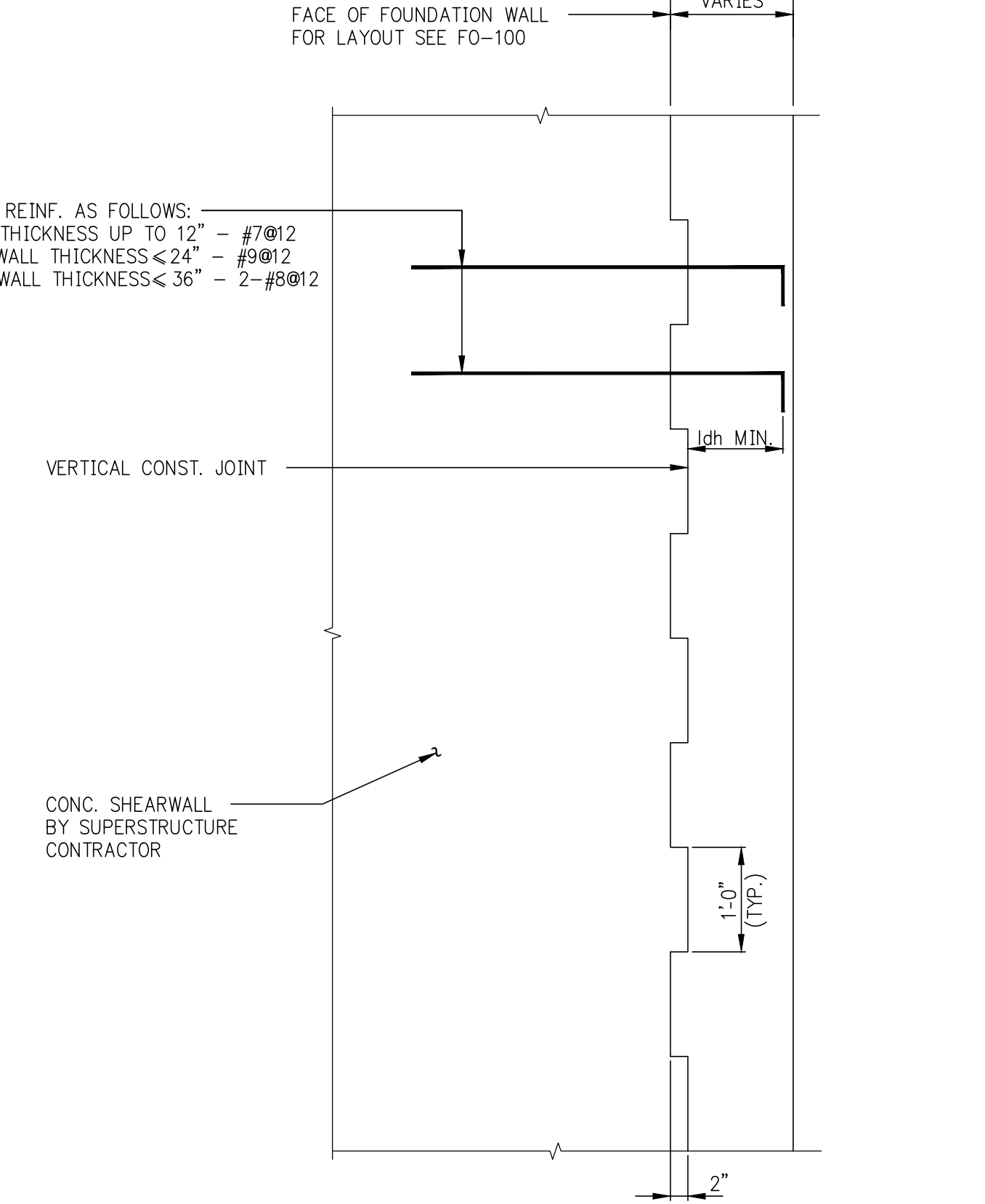
UNDER SLAB DRAIN



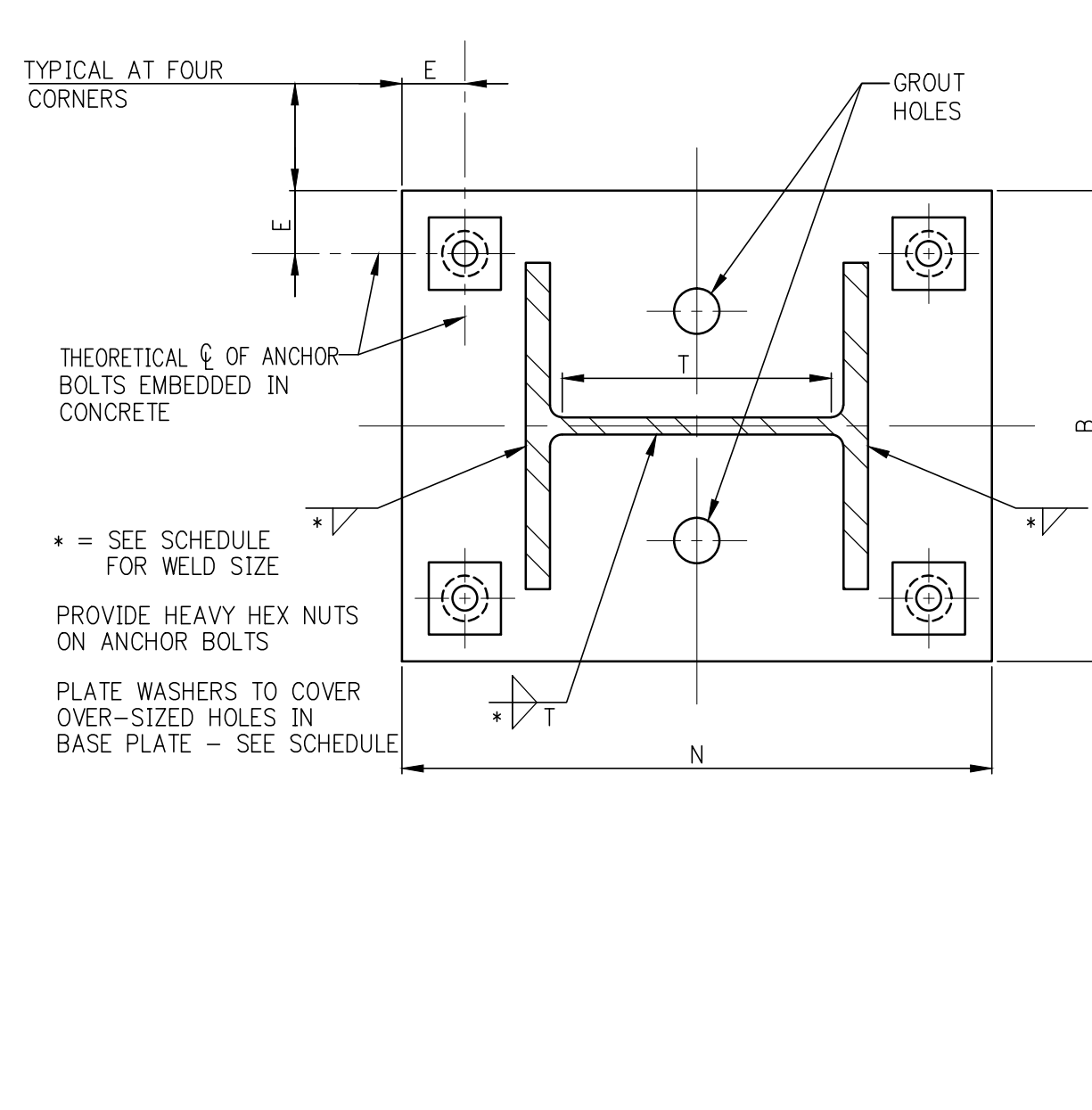
MAT FOUNDATION CONSTRUCTION JOINT



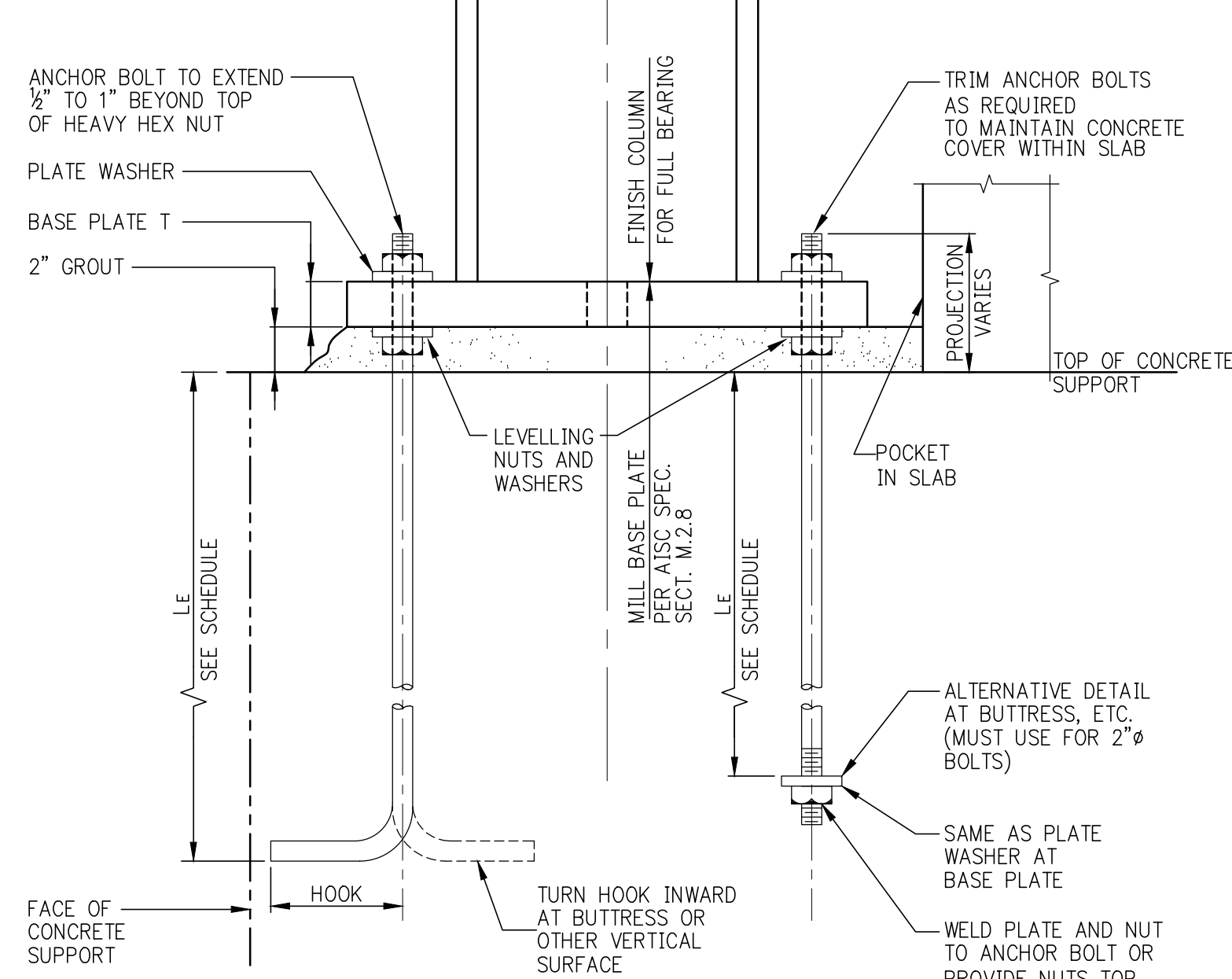
TYPICAL VERTICAL CONSTRUCTION JOINT IN FOUNDATION WALL



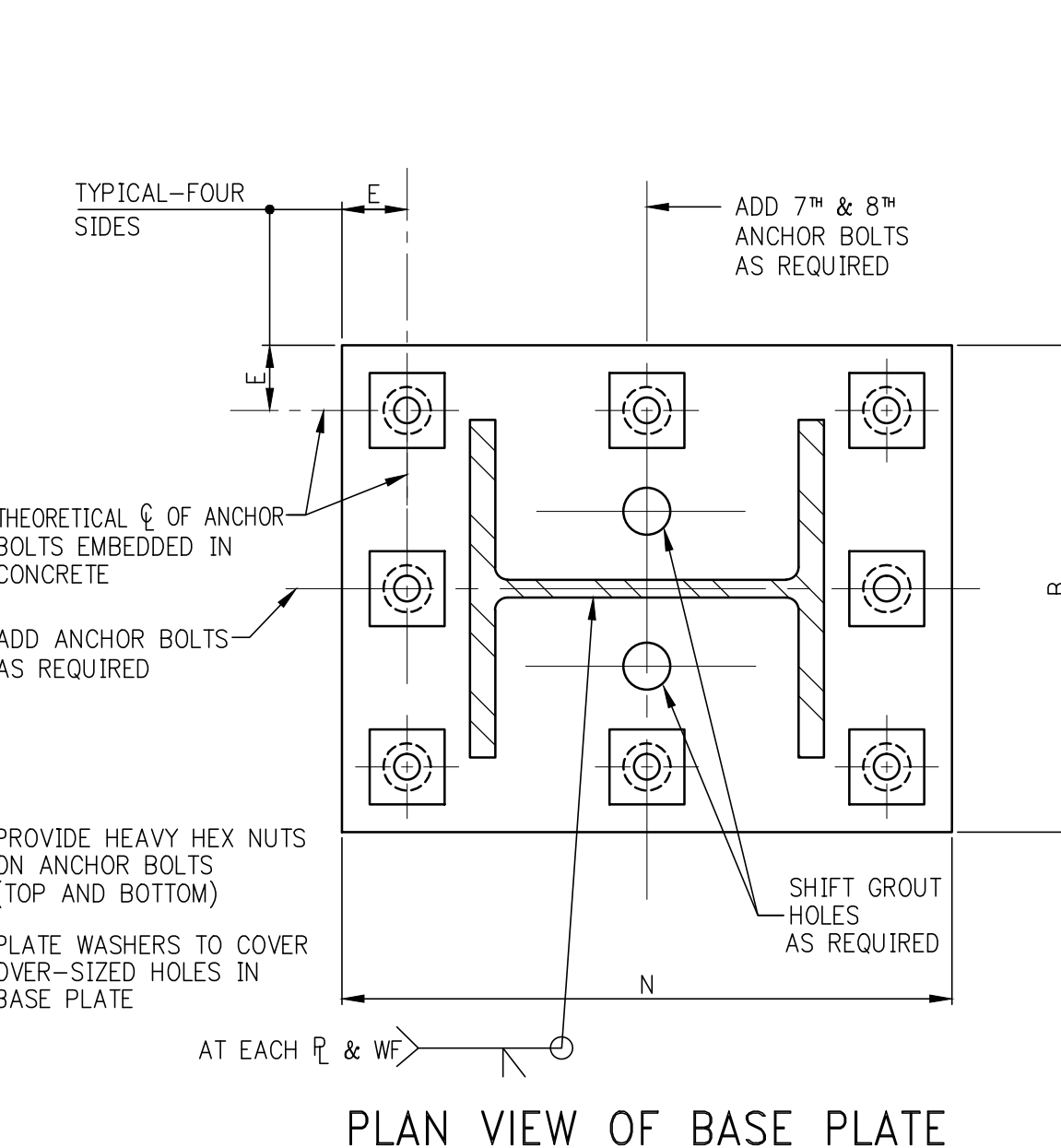
TYPICAL CONSTRUCTION JOINT SECTION IN FOUNDATION WALL



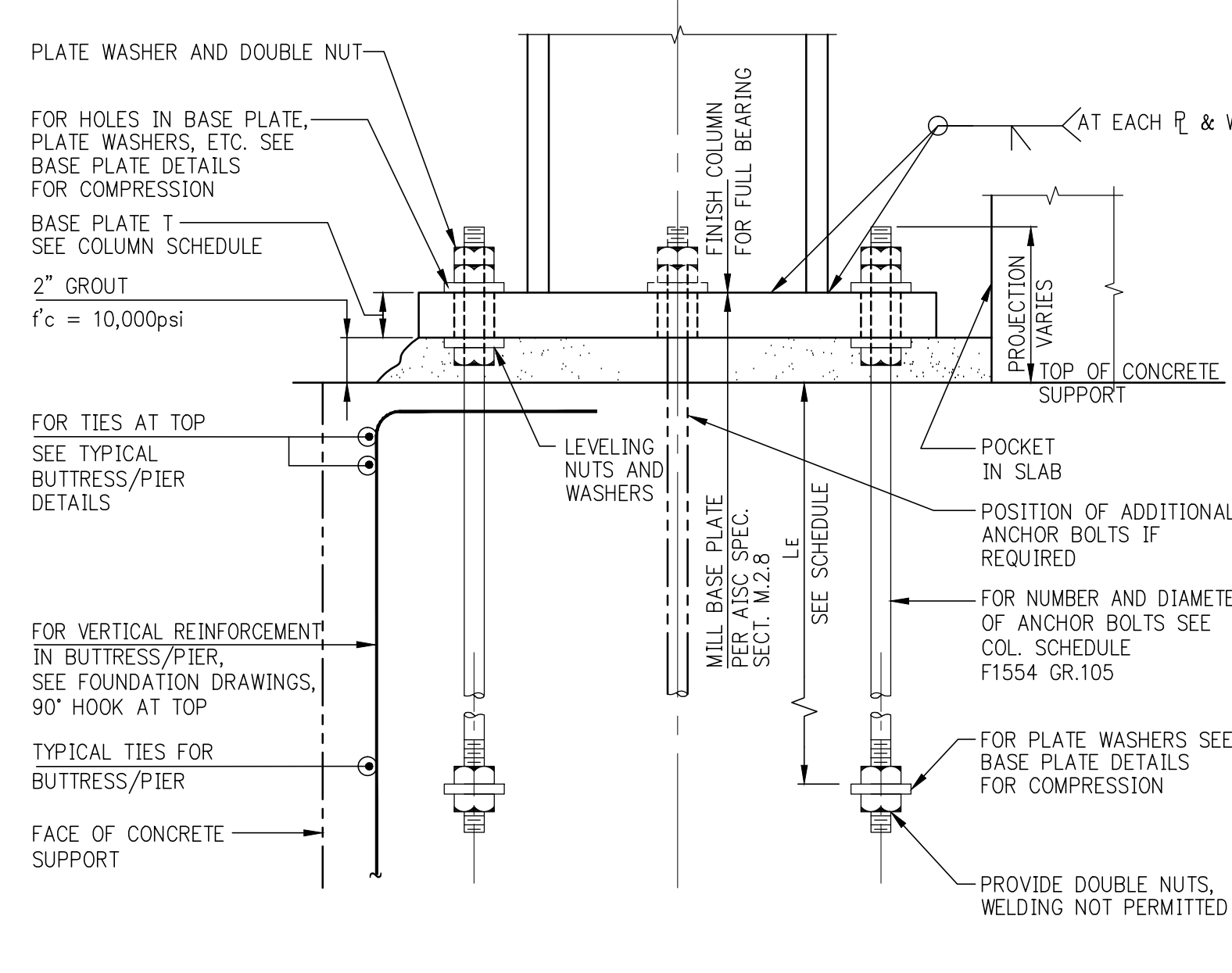
PLAN VIEW OF BASE PLATE AT COLUMN IN COMPRESSION ONLY



SECTION - COMPRESSION ONLY



PLAN VIEW OF BASE PLATE AT COLUMN IN TENSION



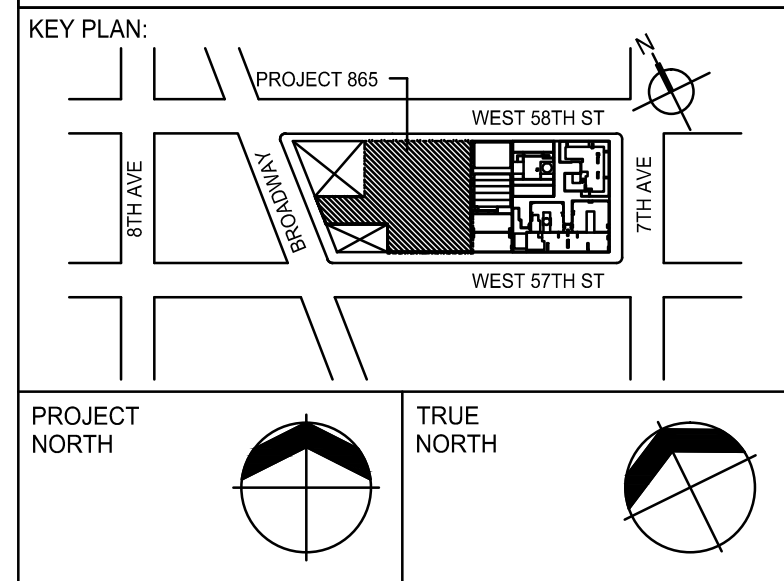
SECTION - COLUMN IN TENSION

MINIMUM BASE PLATE/ANCHOR BOLT REQUIREMENTS (THIS SCHEDULE FOR COMPRESSION ONLY)

COLUMN SIZES	ALL W10 AND SMALLER SIZES: W12x58 AND LIGHTER W14x62 AND LIGHTER	W12x65 TO W14x90 TO W14x311	W14x342 TO W14x500	W14x550 TO MAXIMUM W14
* MINIMUM WELD SIZE - COLUMN TO BASE PLATE	3/8"	3/8"	3/8"	1/2"
MINIMUM ANCHOR BOLT REQUIREMENT	4-1" DIA.	4-1 1/4" DIA.	4-1 1/2" DIA.	4-2" DIA.
HOLE DIAMETER IN BASE PLATE	2"	2 1/4"	2 1/2"	3"
E = EDGE DISTANCE TO HOLES	2 1/2"	2 3/4"	2 3/4"	3 3/4"
LE = BOLT EMBEDMENT LENGTH	1'-6"	1'-9"	2'-2"	2'-9"
BOLT WORK DIMENSION OR REQUIREMENT	5"	6"	8" OR NUT + PLATE	NUT + PLATE
PLATE WASHER	3/8x3 1/2x3/4 W/1 1/2" HOLE	3/8x3 1/2x3/4 W/1 1/2" HOLE	3/8x3 1/2x3/4 W/1 1/2" HOLE	3/4x4x4 1/2 W/2 1/2" HOLE
MINIMUM 'N' FOR BOLT + WASHER (U.O.N.)	d COL. + 10"	d COL. + 11"	d COL. + 11 1/2"	d COL. + 13 1/2"
REMARKS				

NOTES FOR "COMPRESSION ONLY" BASE PLATE DETAILS

1. THESE DETAILS ARE NOT TO BE USED WHERE COLUMNS ARE SUBJECTED TO TENSION/UPRIGHT FORCES OR WHERE LARGE COLUMN BASE MOMENTS INDUCE TENSION IN ANCHOR BOLTS. FOR THOSE CASES SEE TENSION/MOMENT BASE DETAILS.
2. ANCHOR BOLT MATERIAL SHALL BE ASTM F1554 (GRADE 55 WELDABLE U.O.N.).
3. ANCHOR BOLT NUTS SHALL BE DRAWN DOWN TIGHT TO A "SNUG-TIGHTENED" CONDITION. ANCHOR BOLTS DO NOT REQUIRE PRE-TENSIONING.
4. IF CONTRACTOR PROPOSES TO USE LEVELLING PLATES, HE SHALL SUBMIT HIS PROPOSED METHOD AND DETAILS FOR ENGINEER'S REVIEW AND APPROVAL. THIS MAY RESULT IN A REQUIREMENT TO MILL THE BOTTOM SURFACE OF THE BASE PLATE.
5. ANCHOR BOLT HOLES WHICH ARE FLAME-CUT IN BASE PLATES SHALL BE INSPECTED (AND CORRECTED AS NECESSARY) TO ASSURE PROPER CLEARANCES.
6. SEE PROJECT SPECIFICATIONS AND GENERAL NOTES FOR MATERIALS AND STRENGTH REQUIREMENTS FOR HIGH-STRENGTH NON-SHRINK GROUT.



DEVELOPER: **EXTELL DEVELOPMENT COMPANY**  
805 THIRD AVENUE, 7TH FLOOR  
NEW YORK, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT: **Base Building Shell & Core**  
**ADRIAN SMITH + GORDON GILL ARCHITECTURE**  
111 WEST MONROE STREET SUITE 2300  
CHICAGO, IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER: **Residential**  
**Rotter Architecture and Design Studio, PLLC**  
238 Fifth Ave, 7th Floor  
New York, NY 10001  
TEL: 646 998 7000 FAX: 646 987 7150

ARCHITECT OF RECORD: **Base Building Shell, Core & Residential**  
**AAI ARCHITECTS, P.C.**  
401 Washington St., 3rd Floor  
Toronto, ON M5V 1E7 Canada  
TEL: 416 967 1500 FAX: 416 967 1510

STRUCTURAL ENGINEERS: **WSP**  
228 EAST 45th Street  
New York, NY 10017 USA  
TEL: 212 687 8888 FAX: 646 487 5501

MEP ENGINEERS: **AKF GROUP**  
1501 Broadway  
New York, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS: **Langan Engineering & Environmental Services**  
21 Penn Plaza - 380 West 31st Street, 8th Floor  
New York, NY 10001-2727  
TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS: **Construction Consulting Associates**  
100 Church Street  
New York, NY 10007  
TEL: 212 385 1818 FAX: 212 385 1911

CURTAINWALL CONSULTANT: **AJLP Consulting**  
40 Worth Street, Suite 605  
New York, NY 10013  
TEL: 212 757 6659 FAX: 646 219 8508

LANDMARK/PRESERVATION CONSULTANT: **Jan Hird Pokorny Associates, Inc.**  
39 West 37th Street, 12A  
New York, NY 10018  
TEL: 212 759 6462 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	FOUNDATION BID PACKAGE	03-31-2014
3	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
4	FOUNDATION BID PACKAGE	04-04-2014
5	STEEL BID PACKAGE	05-22-2014
6	FOUNDATION 80% CD	05-22-2014
7	SUPERSTRUCTURE CONCRETE BID	06-02-2014
8	DOB FILING SET	06-17-2014
9	FOUNDATION 90% CD	07-01-2014
10	STRUCTURAL STEEL BID	08-15-2014
11	CD PROGRESS ISSUE 1	10-15-2014
12	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
13	DOB SUBMISSION	12-19-2014
14	DOB SUBMISSION	02-05-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only signed dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT: **WSP**  
228 East 45th Street  
New York, NY 10017  
(212) 687-8888  
www.wspgroup.com/usa

PROJECT: **217 WEST 57TH STREET**  
NEW YORK, NY

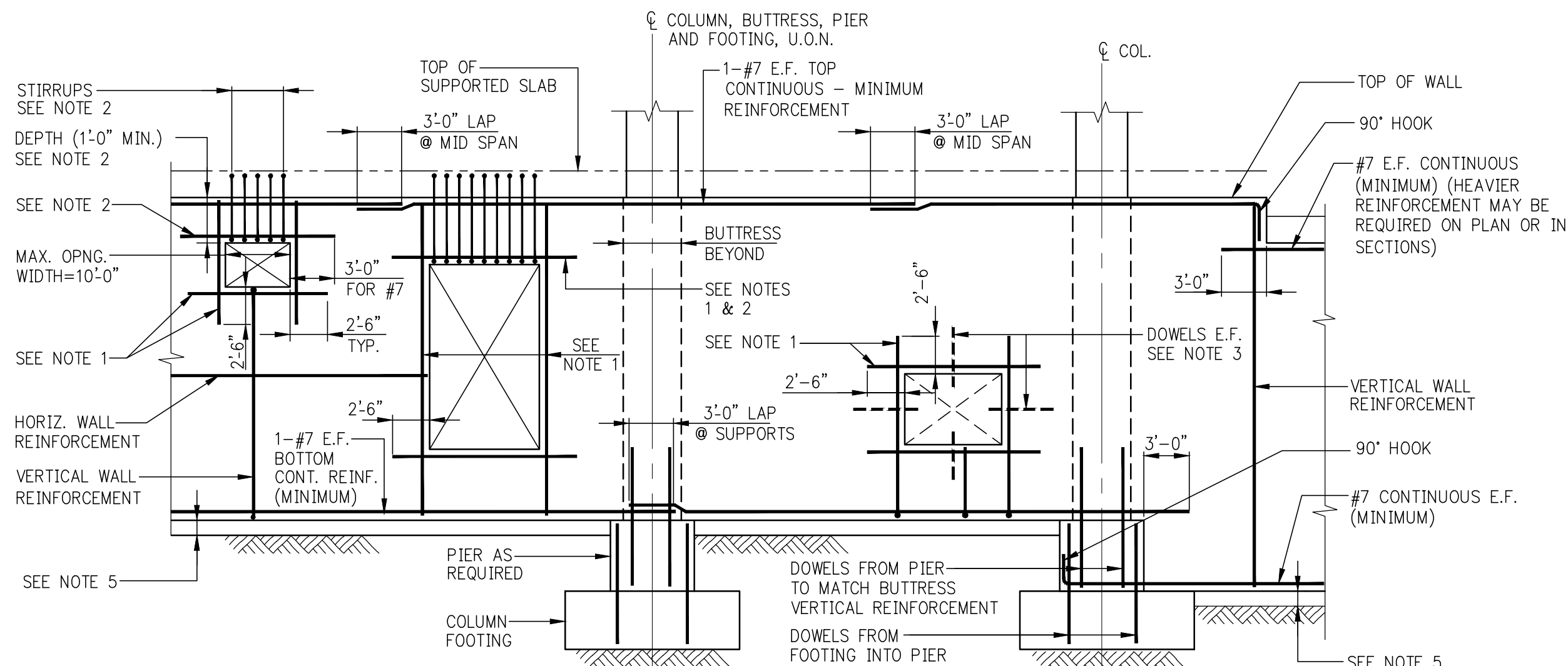
DRAWING TITLE: **TYPICAL FOUNDATION DETAILS 3**

SEAL & SIGNATURE: **Damian Titus**  
DATE: 03/01/14  
PROJECT No: 2012186  
DRAWN: CADDO REV: 14  
CHK: Y.E.  
SCALE: AS INDICATED  
DWG No: **FO-202.02**

DOB EMPLOYEE STAMP: **Damian Titus**

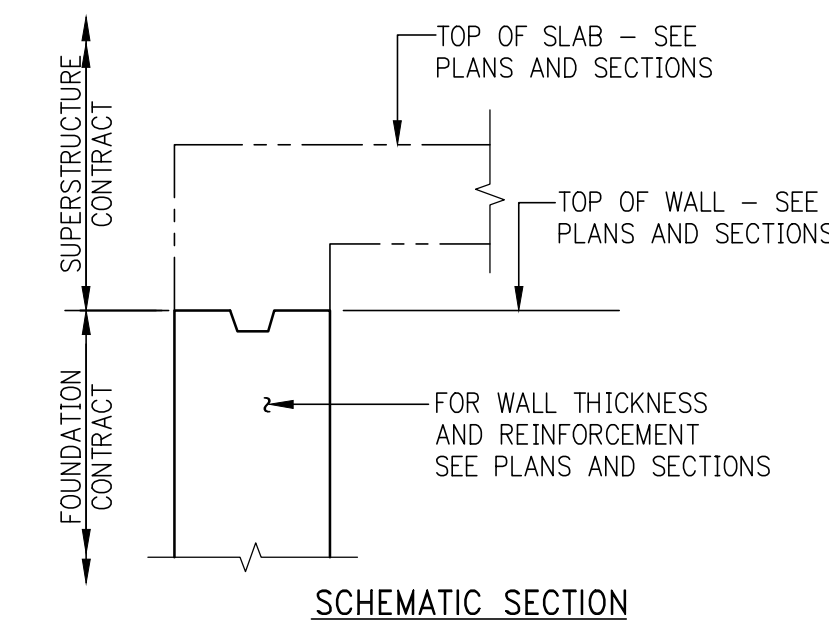
DOB PAGE No: of  
DOB 8-SCAN:



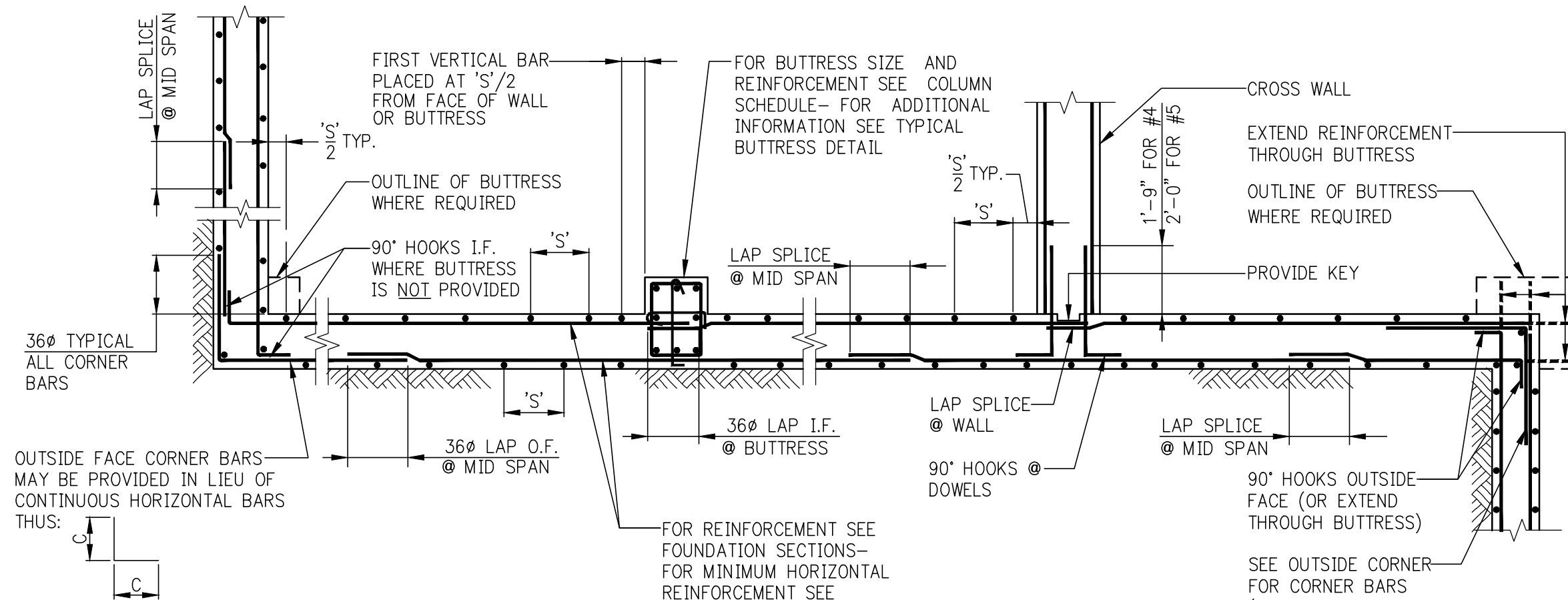


FOUNDATION WALL ELEVATION SHOWING REINFORCEMENT AT OPENINGS AND MISCELLANEOUS DETAILS

- NOTES:
1. ADD #5 BARS (HORIZ. & VERT.) AT ALL FOUR EDGES OF OPENINGS. AREA OF ADDED BARS AT EACH EDGE TO BE EQUAL TO ONE HALF OF AREA OF INTERRUPTED BARS IN THE CORRESPONDING DIRECTION. PROVIDE A MINIMUM OF 1-#5 E.F.
  2. WHERE TOP EDGE OF OPENING IS LESS THAN 2'-6" FROM TOP OF WALL ADD 1-#7 E.F. (IN LIEU OF #5) OVER OPENING. PROVIDE #4 L3 STIRRUPS @ 9" - EXTEND INTO SLAB WITH 2" COVER AT TOP OF STIRRUPS.
  3. AT UTILITY ACCESS OPENINGS WHICH ARE TO BE FILLED IN WITH CONCRETE, PROVIDE DOWELS PROJECTING 1'-0" INTO OPENING, EITHER EXTEND HORIZONTAL AND VERTICAL WALL REINFORCEMENT, OR ADD #4 @ 12" E.F. DOWELS x2'-6" LONG.
  4. FOR ACTUAL OPENING SIZES AND LOCATIONS, SEE PLANS, SECTIONS, ARCHITECTURAL DWGS., AND MEP DWGS. SUBMIT SHOP DRAWINGS WITH WALL ELEVATIONS SHOWING ALL OPENINGS AND REINFORCEMENT.
  5. PROVIDE FOOTING OR CONCRETE MUD SLAB TO SUPPORT WALL FORMS AND WET CONCRETE. SEE FOUNDATION SECTIONS ON FS-300 SERIES DRAWINGS FOR ADDITIONAL DETAILS.



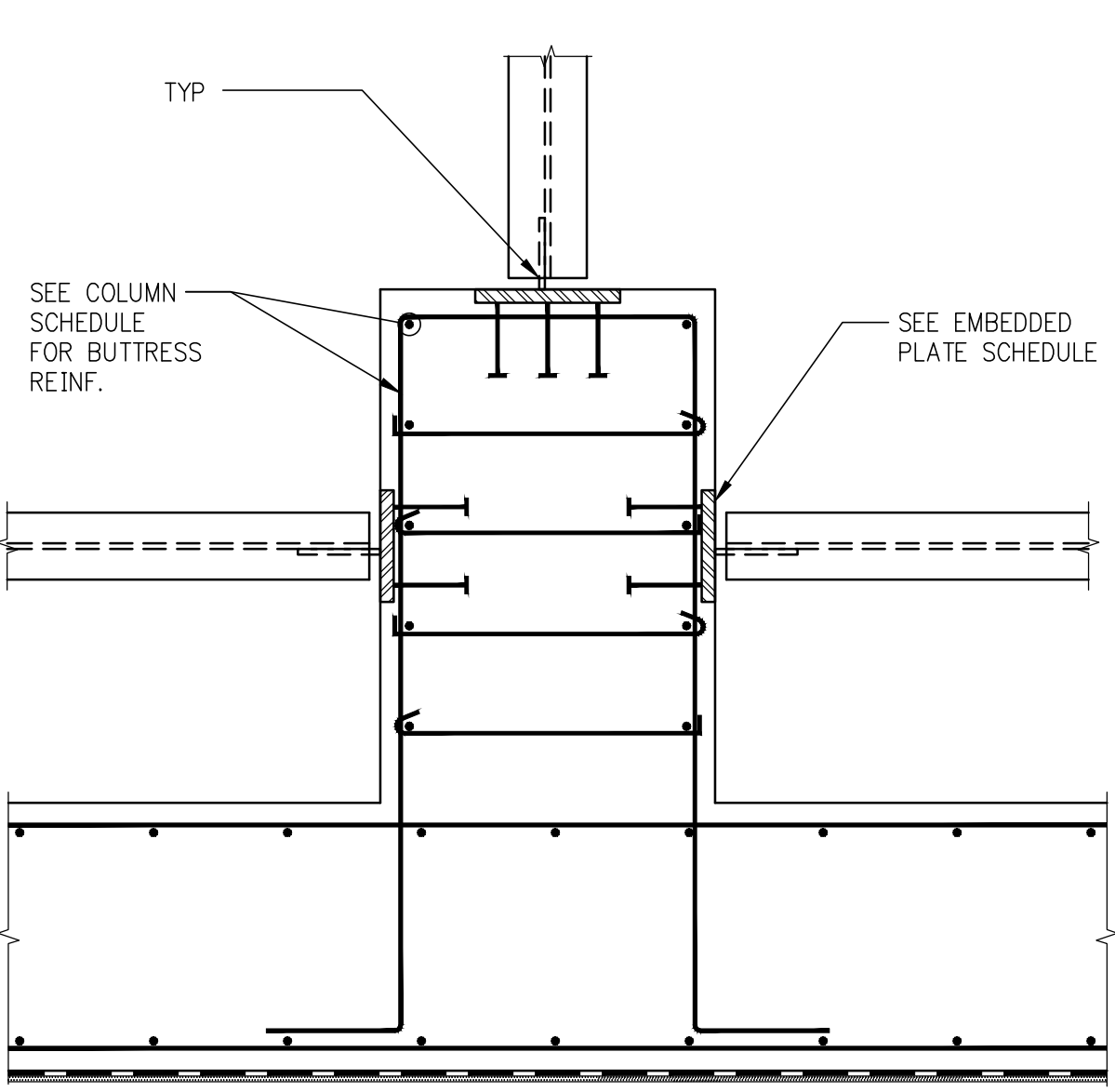
SCHEMATIC SECTION AT TOP OF WALL



T = WALL THICKNESS	HORIZONTAL REINFORCEMENT
UP TO 10"	#4@18 E.F.
11" TO 12"	#4@16 E.F.
13" TO 16"	#4@12 E.F.
17" TO 20"	#4@10 OR #5@15 E.F.
21" TO 22"	#4@9 OR #5@12 E.F.
23" TO 24"	#4@8 OR #5@12 E.F.
OVER 24"	SEE PLANS AND SECTIONS

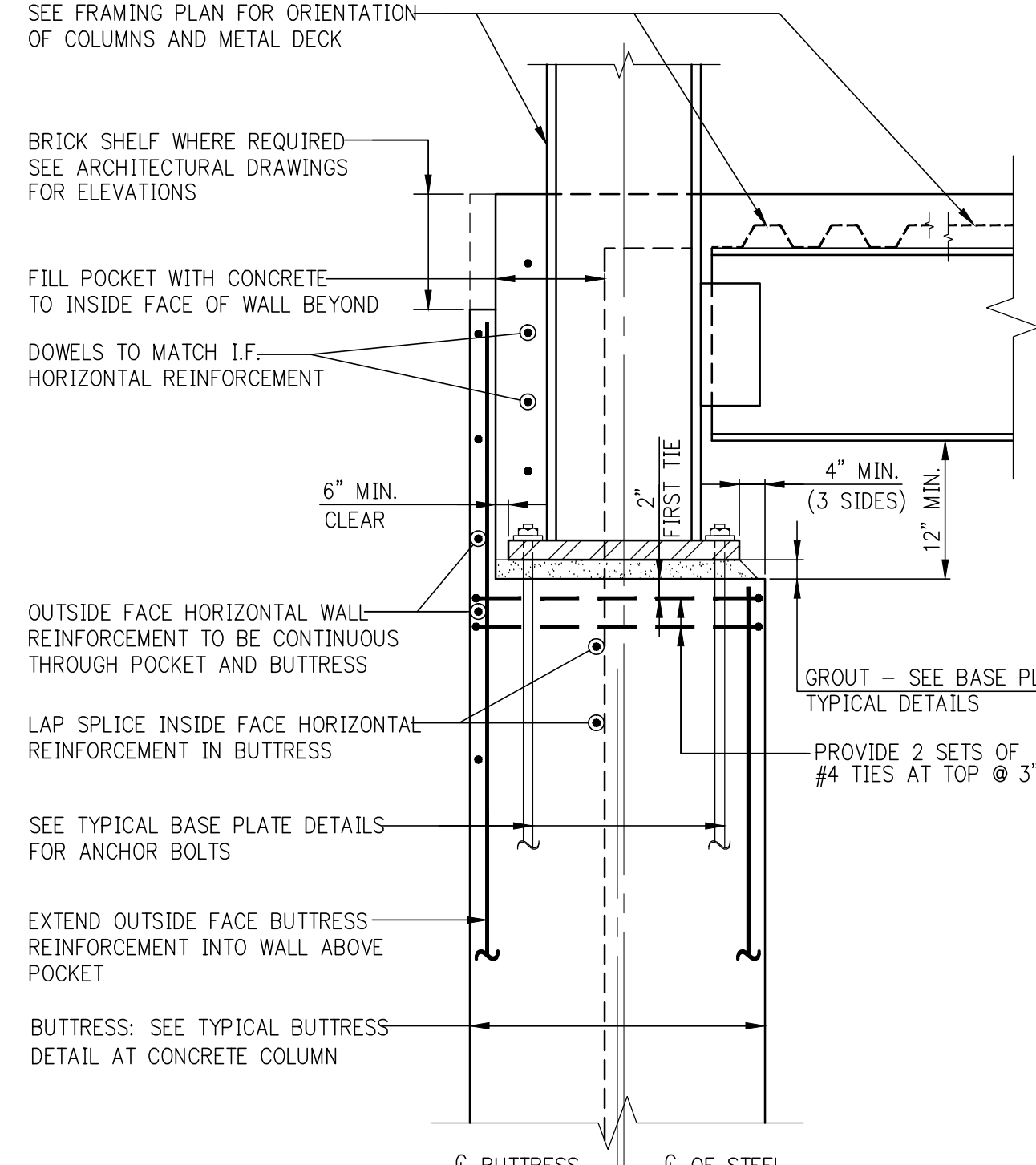
HORIZONTAL SECTION SHOWING PLACEMENT OF FOUNDATION WALL REINFORCEMENT

- NOTE:
1. VERTICAL CONSTRUCTION JOINT IN WALL IS NOT SHOWN HERE - SEE TYPICAL CONSTRUCTION JOINT DETAIL.

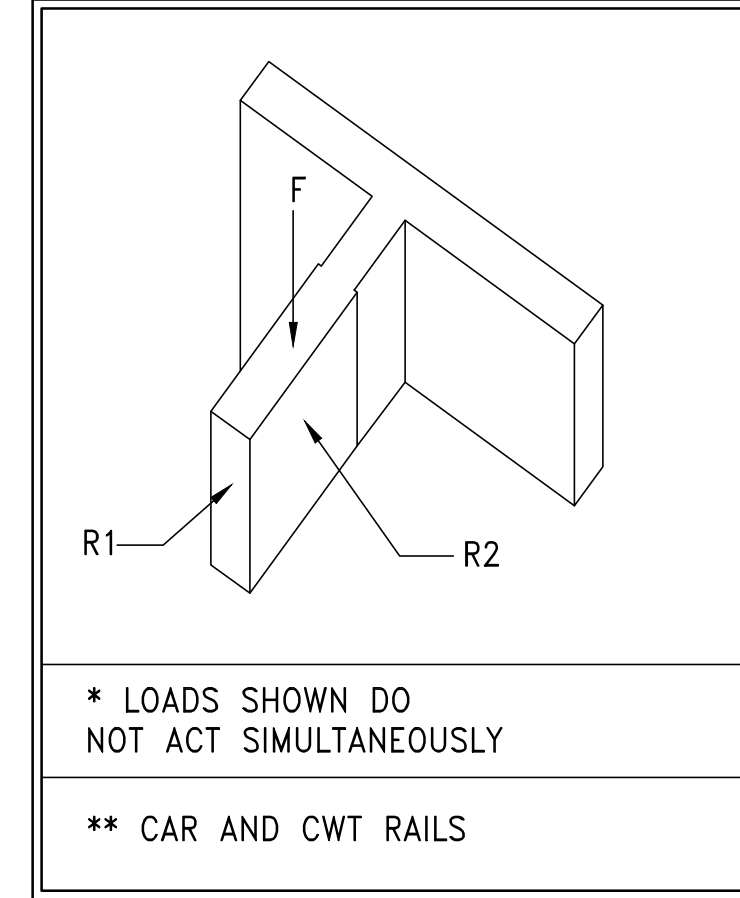


TYPICAL DETAIL OF EMBEDDED PLATE IN BUTTRESS (PLAN VIEW)

BEAM	PLATE DIMENSIONS B(h) x H (in)	STUD PATTERN VERT. x HORIZ.	STUD SPACING VERT. x HORIZ.
W12	10 x 15	3 x 2	6 x 7
W14	10 x 21	4 x 2	6 x 7
W16	13 x 18	3 x 3	6 x 5
W18	13 x 18	3 x 3	6 x 5
W21	15 x 21	4 x 4	6 x 5
W24	15 x 27	5 x 4	6 x 5



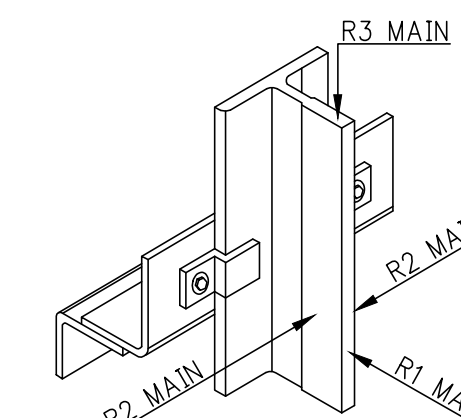
BUTTRESS AT STEEL COLUMN



RESIDENTIAL PASSENGER ELEVATORS				
PIT AND RAIL LOADS		R 1-3	R 4	S 1
SEISMIC		S2	S2	S2
GLASS LOAD RATING		A	C3	A
RAIL WEIGHT/SIZE		15	18.5	18.5
CAR BUFFER REACTION	A	72.0K	108.0K	78.3K
CWT BUFFER REACTION	B	65.0K	92.0K	63.3K
WEIGHT ONE STACK CAR RAIL		38280#	52200#	4500#
WEIGHT ONE STACK CWT RAIL		38280#	52200#	3000#
UP PULL ON COMPENSATOR	C	56.0K	75.5K	---
	Fcwt	29.0K	43.5K	35.0K
	Fcwt	---	---	---
NORMAL FORCES	R1	800#	1000#	800#
	R2	200#	1400#	500#
SEISMIC FORCES	R1	2100#	2900#	2200#
	R2	1100#	1500#	1200#
		14"	6"	14"

RAIL LOADS PER RAIL

MAX VERT SPAN GUIDE RAIL SUPPORT  
RAIL SUPPORT POINTS SHALL HAVE A MAX DEFLECTION OF 1/8" WHEN ACTED UPON BY FORCES R1 AND R2  
1/8" WHEN ACTED UPON BY SEISMIC FORCES R1 AND R2



PODIUM ELEVATORS PIT REACTION TABLE		
KEY	REACTION (FORCES IN KIPS)	DESCRIPTION
(A)	45.2	CAR BUFFER
(B)	36.9	CAR BUFFER
(C)	31.2 EACH	CAR SAFETY (SEE CAR R3 RAIL FORCES)
(D)	27.9 EACH	CWT SAFETY (SEE CAR R3 RAIL FORCES)
(E)	23.0	DYNAMIC LOAD ON CAR RAIL
(F)	9.4	DYNAMIC LOAD ON CWT RAIL
(A)	52.3	CAR BUFFER
(B)	36.9	CAR BUFFER
(C)	31.2 EACH	CAR SAFETY (SEE CAR R3 RAIL FORCES)
(D)	27.9 EACH	CWT SAFETY (SEE CAR R3 RAIL FORCES)
(E)	23.0	DYNAMIC LOAD ON CAR RAIL
(F)	9.4	DYNAMIC LOAD ON CWT RAIL
(A)	103.0 EACH	CAR BUFFER
(B)	89.8	CWT BUFFER
(C)	43.2 EACH	CAR SAFETY (SEE CAR R3 RAIL FORCES)

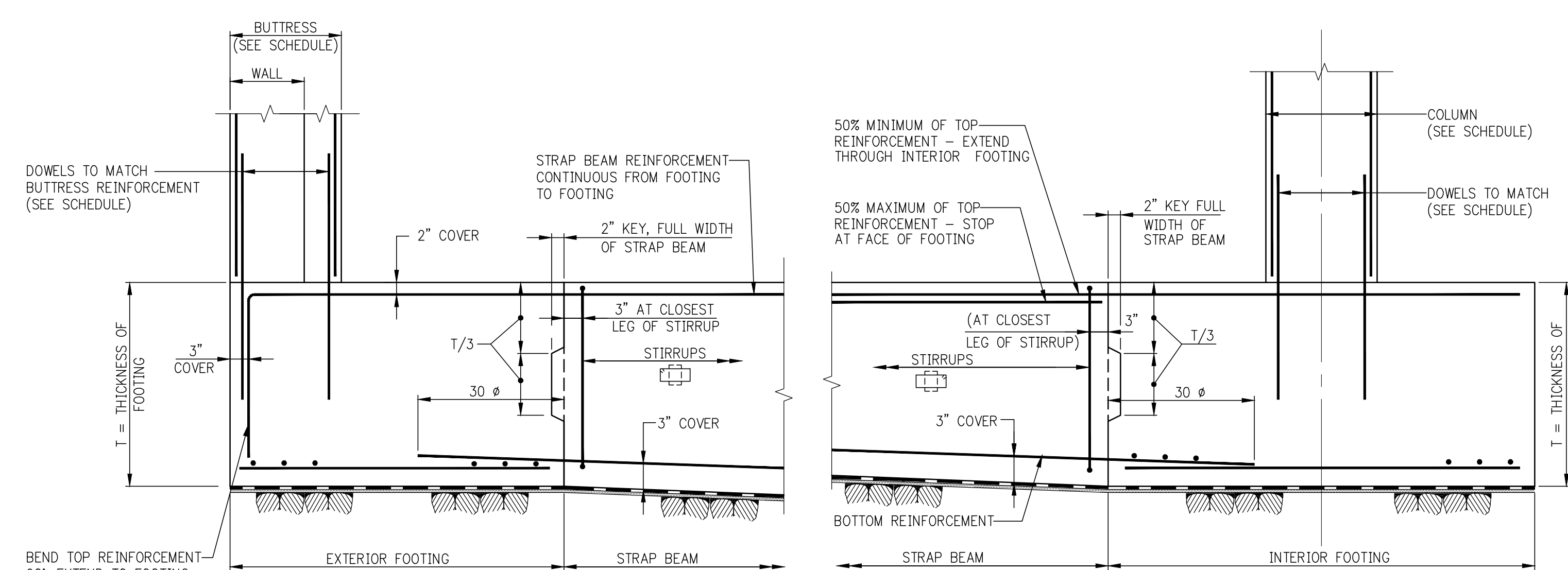
\* THESE REACTIONS CAN OCCUR SIMULTANEOUSLY. OTHERWISE REACTIONS DO NOT OCCUR SIMULTANEOUSLY.

RAIL FORCES MAXIMUM ON EACH GUIDE RAIL (FORCES ARE IN KIPS)					
ELEVATOR NUMBER	1-2	3-4	5	6-7	OCCURRING ON
CAR R1	1.4 K	1.4 K	1.3 K	1.8 K	CAR NORMAL FACE ON MAIN RAIL
CAR R2	0.9 K	0.9 K	1.2 K	1.6 K	CAR NORMAL SIDE OF MAIN RAIL-LOADING OR RUNNING
CAR R3	31.2 K	31.2 K	33.6 K	43.2 K	FORCE TRANSMITTED TO PIT STRUCTURE AT CAR SAFETY APPLICATION *
CWT R3	N/A	27.9 K	N/A	35.5 K	FORCE TRANSMITTED TO PIT STRUCTURE AT CWT SAFETY APPLICATION *

\* THESE REACTIONS DO NOT OCCUR SIMULTANEOUSLY WITH PIT BUFFER REACTIONS

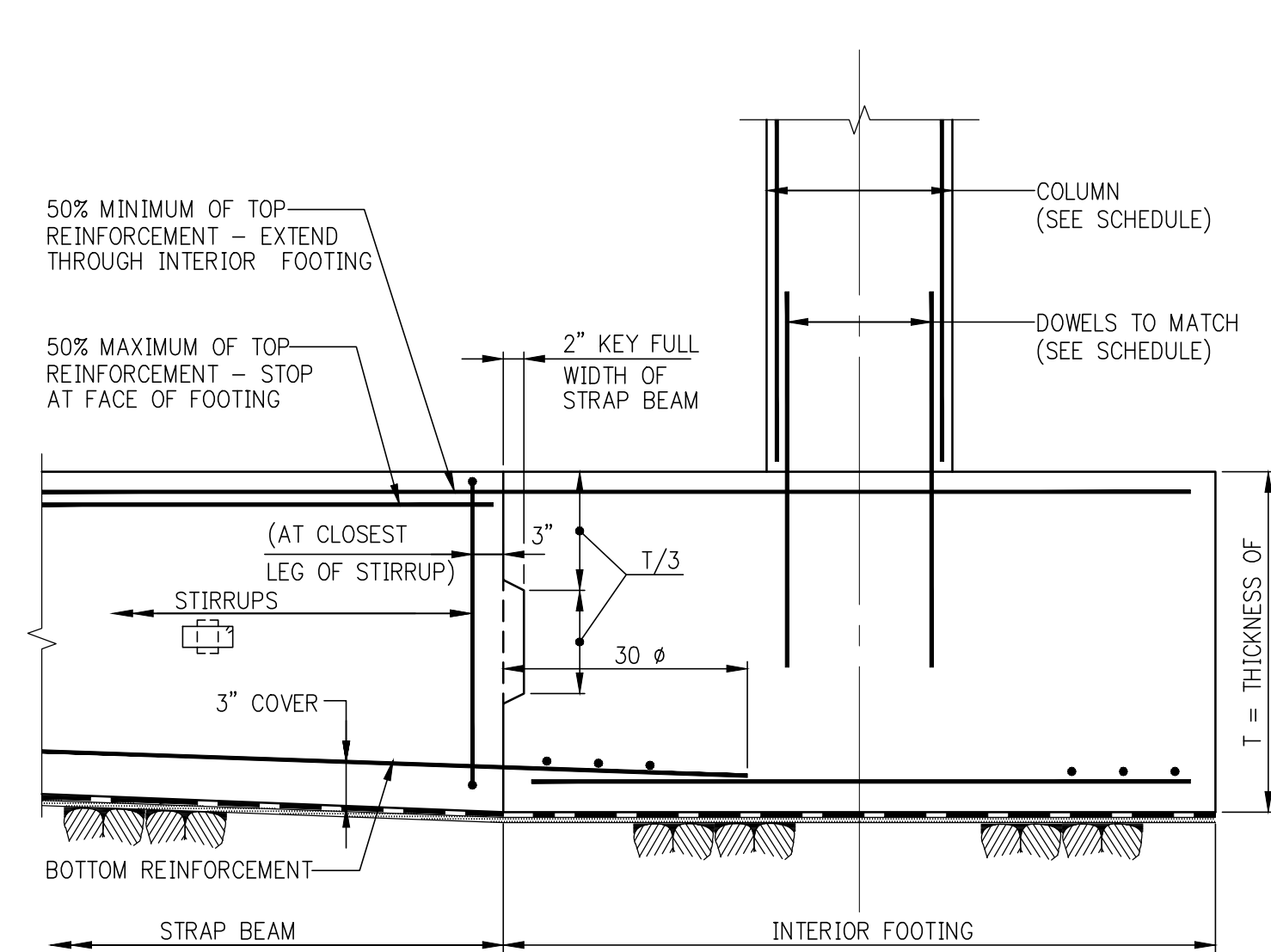
ELEVATOR PIT AND RAIL LOADS

- NOTE:
1. FOR ELEVATOR INFORMATION REFER TO VDA DRAWINGS DATED 01/28/2014

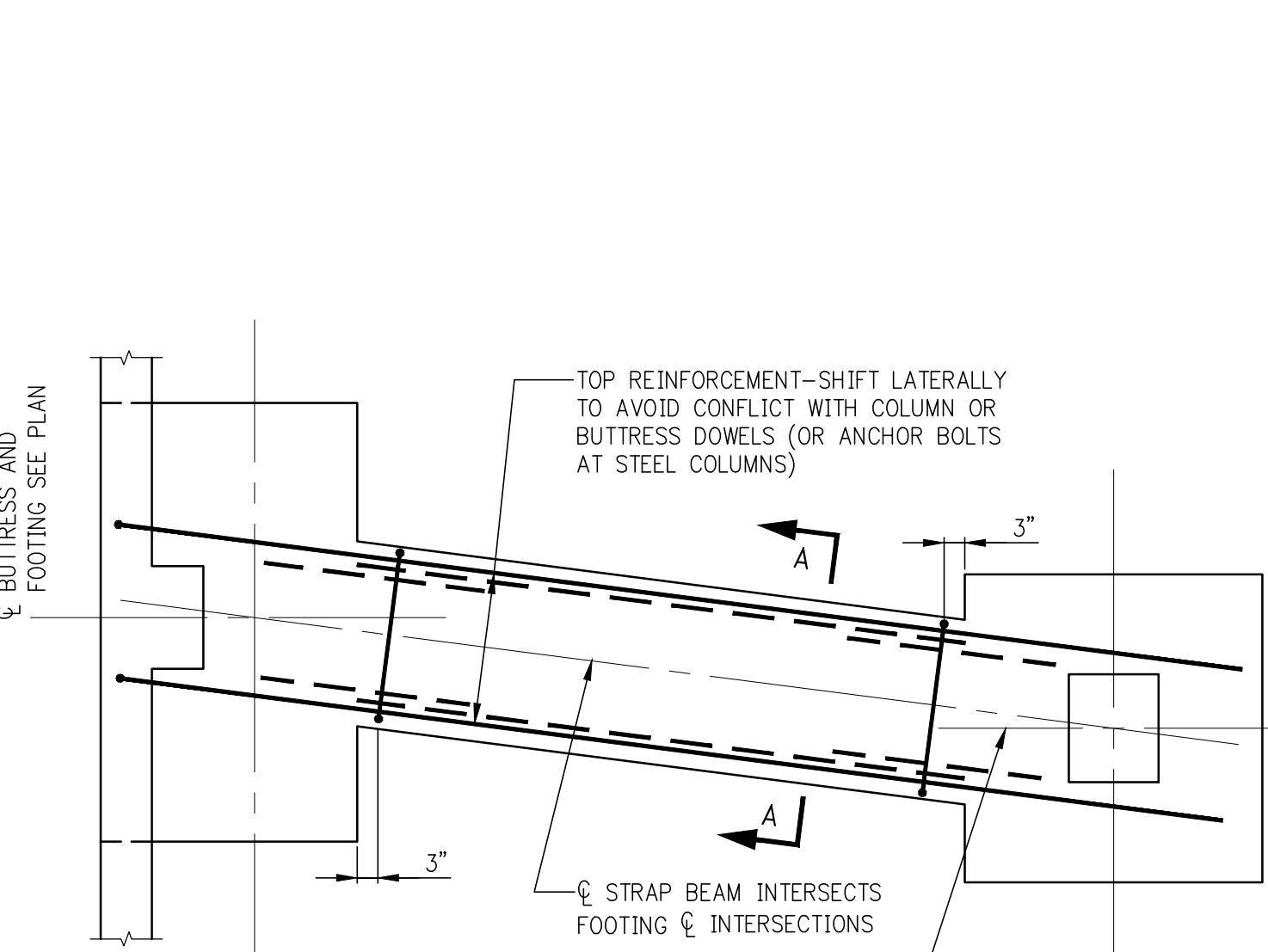


ELEVATION - EXTERIOR FOOTING

- NOTE:
1. SEE FOUNDATION DRAWINGS FOR STRAP BEAM SIZE, REINFORCEMENT, AND STIRRUPS.

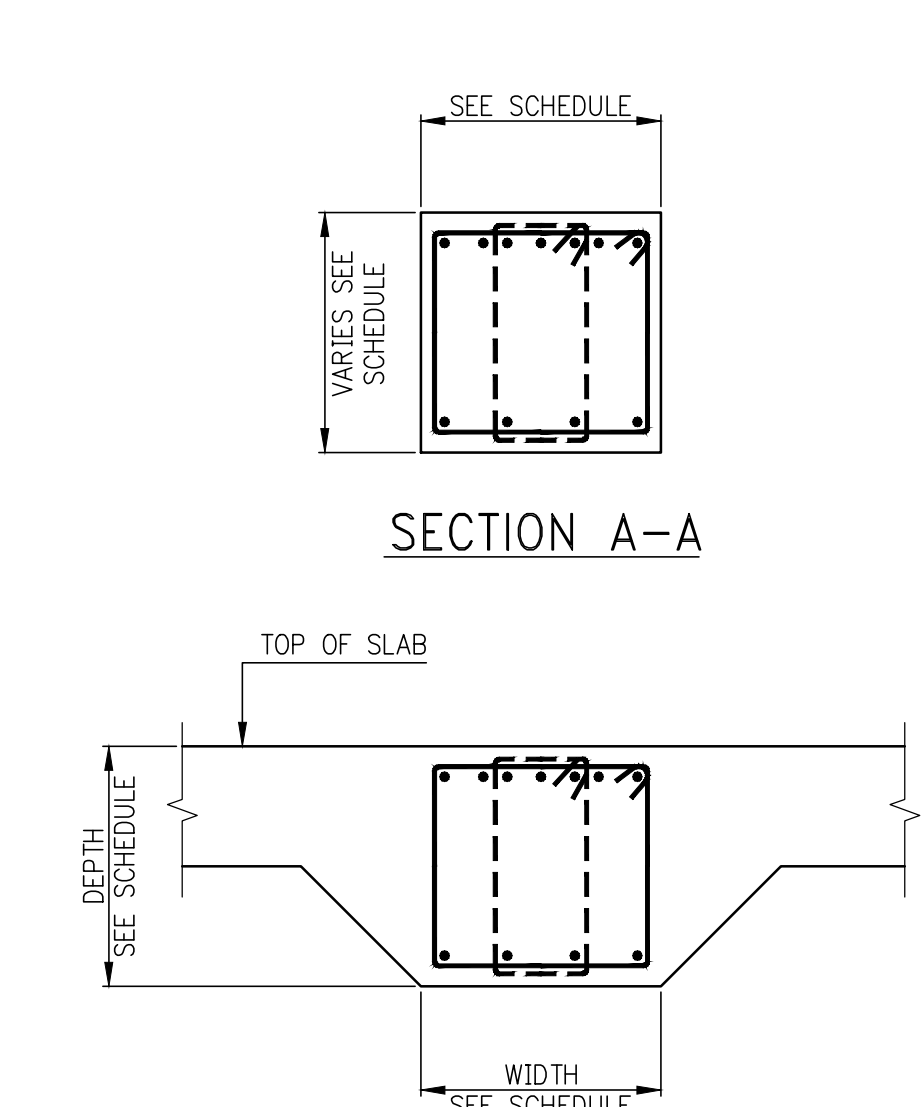


ELEVATION - INTERIOR FOOTING

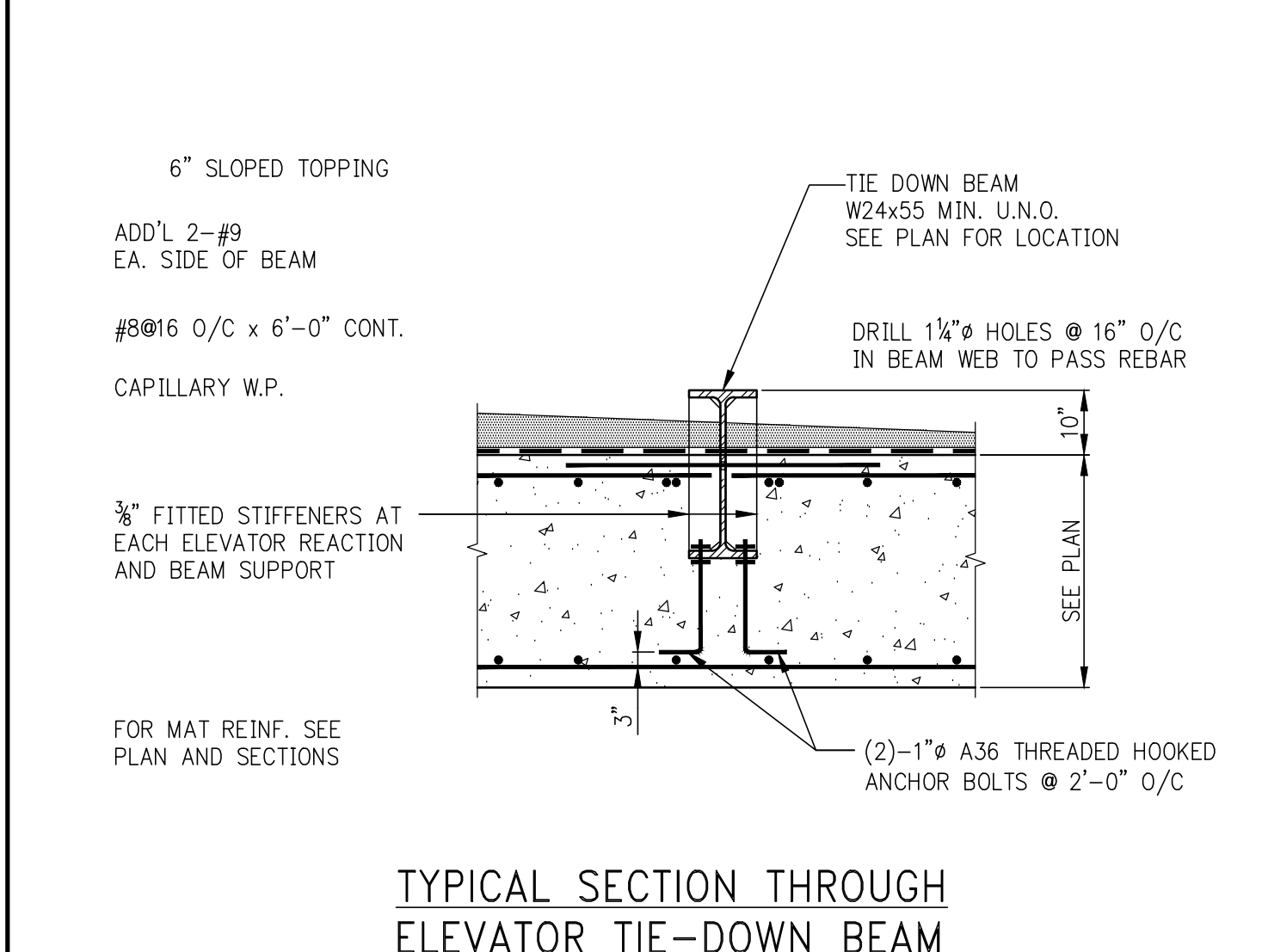


STRAP BEAM FOR FOOTINGS ON SOIL OR ROCK

- NOTE:
1. STRAP BEAM MUST FRAME DIRECTLY TO FOOTING. STRAP BEAMS MAY NOT FRAME TO PIERS OR BUTTRESSES.

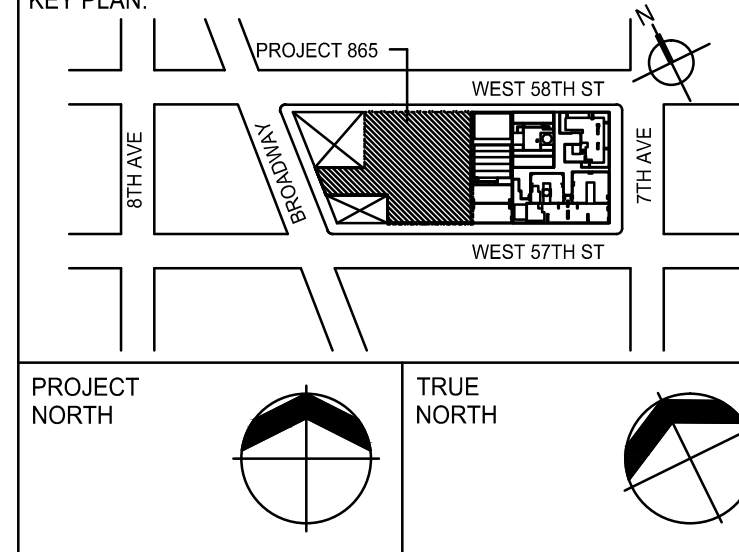


ALTERNATIVE SECTION A-A (AT STRAP BEAM MONOLITHIC WITH SLAB)



TYPICAL SECTION THROUGH ELEVATOR TIE-DOWN BEAM (FOR LOCATION SEE PLAN)

- NOTES:
1. G.C. SHALL SUBMIT SHOP DWGS. FOR ELEVATOR TIE DOWN BEAMS. BEAM SHALL BE INSTALLED SUBJECT TO E.O.R. APPROVAL.
  2. ALTERNATE DETAIL: SEE LEND LEASE SK-20140826 AND WSP COMMENTS FOR APPROVED ALTERNATE DETAIL AT EAST MAT CONTRACTOR TO SUBMIT SKETCHES FOR REVIEW FOR ALL PROPOSED SUBSTITUTIONS.



KEY PLAN

- DEVELOPER:
- EXTELL DEVELOPMENT COMPANY  
805 THIRD AVENUE, 7TH FLOOR  
NEW YORK, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

- DESIGN ARCHITECT:
- Base Building Shell & Core  
ADRIAN SMITH + GORDON GILL ARCHITECTURE  
111 WEST MONROE STREET SUITE 2300  
CHICAGO IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

- INTERIOR DESIGNER:
- Residential  
Rottler Architecture and Design Studio, PLLC  
238 Fifth Ave, 7th Floor  
New York, NY 10001  
TEL: 646 998 7000 FAX:

- ARCHITECT OF RECORD:
- Base Building Shell, Core, & Residential  
AAI ARCHITECTS, P.C.  
401 West 37th St, 3rd Floor  
Toronto, ON M5V 1E7 Canada  
TEL: 416 967 1500 FAX: 416 967 7150

- STRUCTURAL ENGINEERS:
- WSP  
228 East 45th Street  
New York, NY 10017 USA  
TEL: 212 687 8888 FAX: 646 487 5501

- MEP ENGINEERS:
- AKF GROUP  
1501 Broadway  
New York, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5668

- GEOTECHNICAL ENGINEERS:
- Langan Engineering & Environmental Services  
21 Penn Plaza - 380 West 37th Street, 8th Floor  
New York, NY 10018-2727  
TEL: 212 479 5400 FAX: 212 479 5444

- CODE CONSULTANTS:
- Construction Consulting Associates  
100 Church Street  
New York, NY 10007  
TEL: 212 385 1818 FAX: 212 385 1911

- CURTAINWALL CONSULTANT:
- AJLP Consulting  
40 Worth Street, Suite 605  
New York, NY 10013  
TEL: 212 757 6659 FAX: 646 219 8508

- LANDMARK PRESERVATION CONSULTANT:
- Jan Hird Pokorny Associates, Inc.  
39 West 37th Street, 12A  
New York, NY 10018  
TEL: 212 759 6462 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	FOUNDATION BID PACKAGE	03-31-2014
3	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
4	FOUNDATION BID PACKAGE	04-04-2014
5	STEEL BID PACKAGE	05-22-2014
6	FOUNDATION 80% CD	05-22-2014
7	SUPERSTRUCTURE CONCRETE BID	06-02-2014
8	DOB FILING SET	06-19-2014
9	FOUNDATION 90% CD	07-01-2014
10	SE ZONE STEEL BID	08-20-2014
11	STRUCTURAL STEEL BID	09-15-2014
12	CD PROGRESS ISSUE 1	10-15-2014
13	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
14	DOB SUBMISSION	12-10-2014
15	DOB SUBMISSION	02-05-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT:

WSP  
228 East 45th Street  
New York, NY 10017  
(212) 687-8888  
www.wspgroup.com/usa

PROJECT:

217 WEST 57TH STREET  
NEW YORK, NY

DRAWING TITLE:

TYPICAL FOUNDATION DETAILS 2

SEAL & SIGNATURE:

DATE: 03/31/14  
PROJECT No: 2012186  
DRAWN: CADD  
CHK: Y.E.  
SCALE: AS INDICATED  
DWG No: 15

FO-201.02

DOB EMPLOYEE STAMP:

DOB PAGE No: of  
DOB 8-SCAN:

Damian Titus

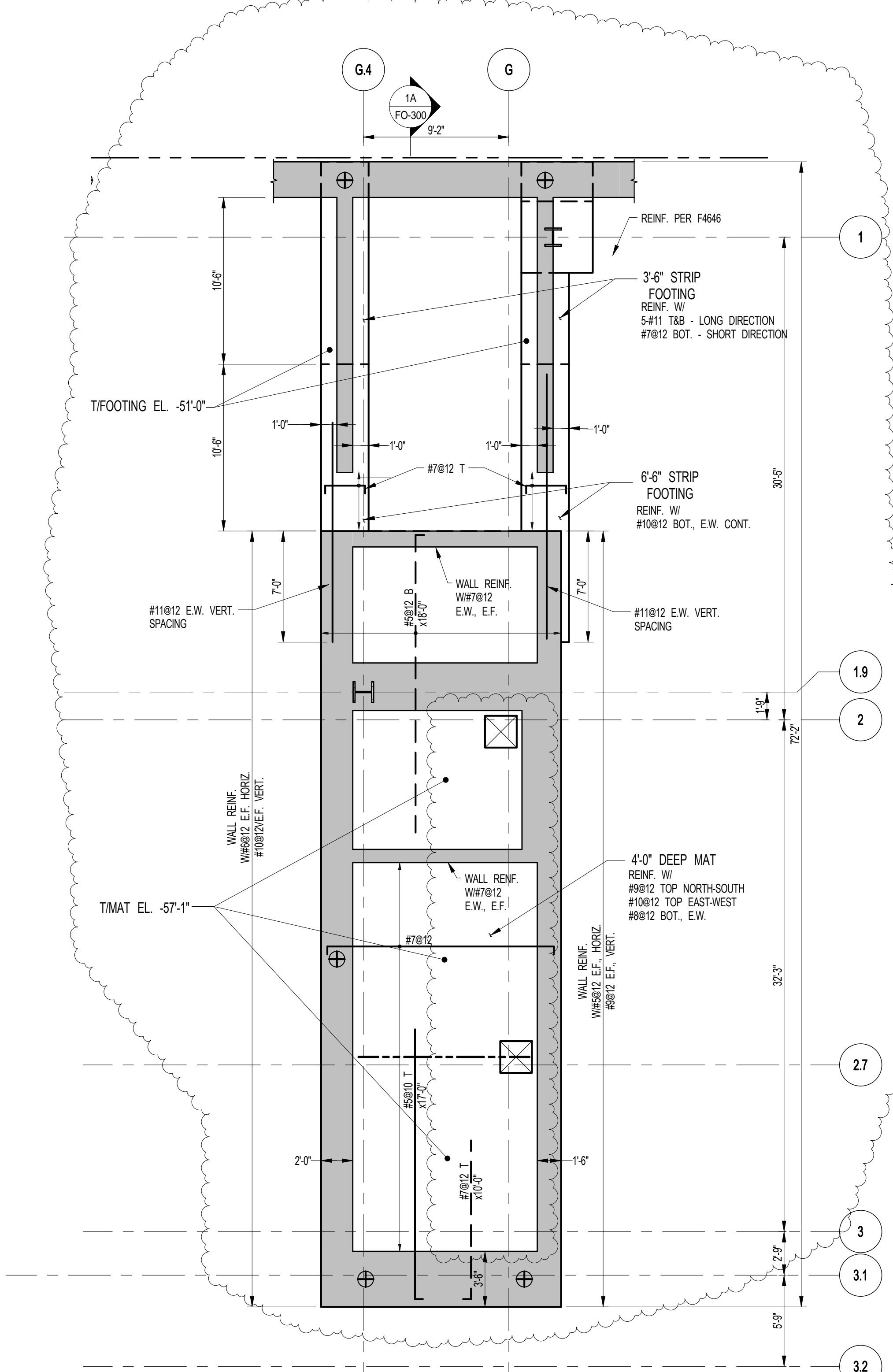
Buildings Approved Under Directive 2 of 1975

NYC Development Hub



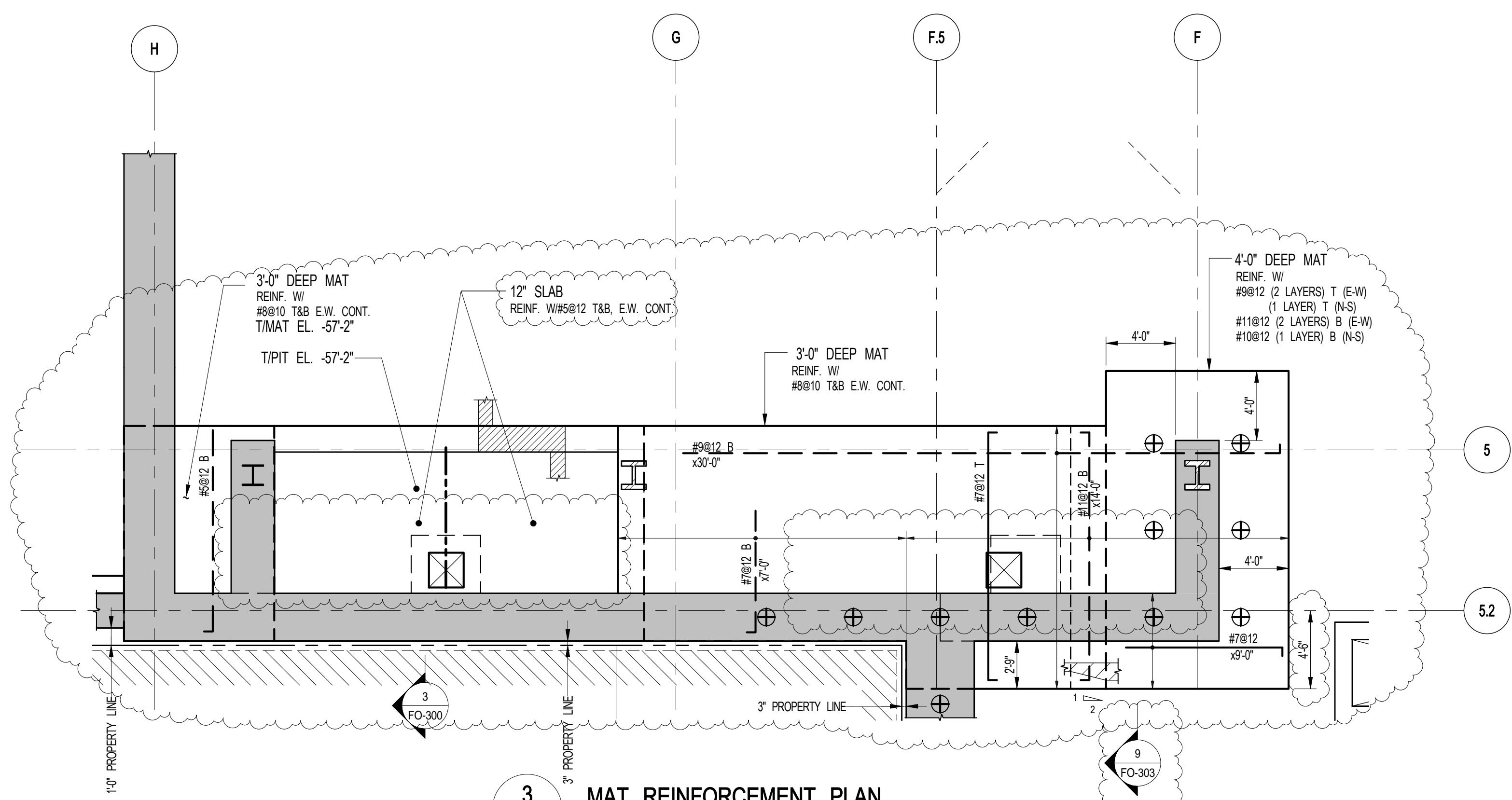






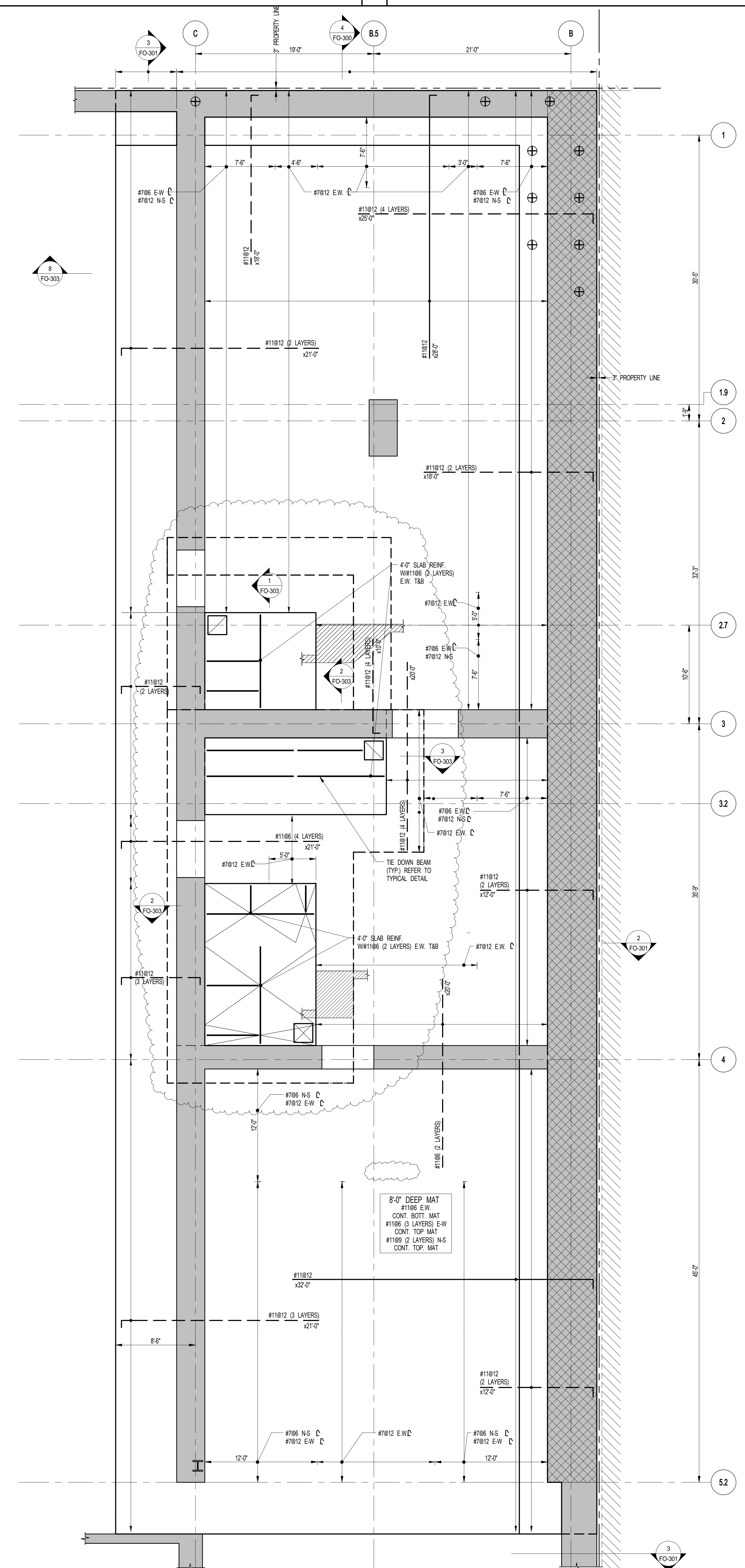
**1 MAT REINFORCEMENT PLAN**  
SCALE: 3/16" = 1'-0"

- NOTES:**
1. ALL #11 BARS TO BE ASTM A615 GR75.
  2. ALL #11 STEEL TO BE COORDINATED WITH ELEVATOR CONTRACTOR.
  3. BEARING CAPACITY TO BE 60 TSF.
  4. WALL REINFORCEMENT IS ADDITIONAL TO REINFORCEMENT SHOWN ON S-400.



**3 MAT REINFORCEMENT PLAN**  
SCALE: 3/16" = 1'-0"

- NOTES:**
1. ALL #11 BARS TO BE ASTM A615 GR75.
  2. ALL #11 STEEL TO BE COORDINATED WITH ELEVATOR CONTRACTOR.
  3. BEARING CAPACITY TO BE 60 TSF.



**2 MAT REINFORCEMENT PLAN**  
SCALE: 3/16" = 1'-0"

- NOTES:**
1. ALL #11 BARS TO BE ASTM A615 GR75.
  2. ALL #11 STEEL TO BE COORDINATED WITH ELEVATOR CONTRACTOR.
  3. INDICATES 100 TON BEARING CAPACITY. BEARING CAPACITY AT ALL OTHER LOCATIONS TO BE 60 TSF.

**KEY PLAN:**

**PROJECT:** NORTH

**DEVELOPER:** EXTRELL DEVELOPMENT COMPANY  
805 THIRD AVENUE, 7TH FLOOR  
NEW YORK, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

**DESIGN ARCHITECT:** Base Building Shell & Core  
**ADRIAN SMITH + GORDON GILL ARCHITECTURE**  
111 WEST MONROE STREET SUITE 2300  
CHICAGO IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

**INTERIOR DESIGNER:** Residential  
**Rottet Architecture and Design Studio, PLLC**  
228 Fifth Ave, 7th Floor  
New York, NY 10001  
TEL: 646 998 7000 FAX:

**ARCHITECT OF RECORD:** Base Building Shell, Core & Residential  
**AJAJ ARCHITECTS, P.C.**  
401 Wellington St. W., 3rd Floor  
Toronto, ON M5V 1E7 Canada  
TEL: 416 967 1500 FAX: 416 967 7150

**STRUCTURAL ENGINEERS:** WSP  
228 EAST 45th STREET  
NEW YORK, NY 10017 USA  
TEL: 212 687 9885 FAX: 646 487 5501

**MEP ENGINEERS:** AKF GROUP  
1501 Broadway  
New York, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5668

**GEOTECHNICAL ENGINEERS:** Langan Engineering & Environmental Services  
21 Penn Plaza - 360 West 31st Street, 8th Floor  
New York, NY 10001-2727  
TEL: 212 479 5400 FAX: 212 479 5444

**CODE CONSULTANTS:** Construction Consulting Associates  
100 Church Street  
New York, NY 10007  
TEL: 212 385 1512 FAX: 212 385 1911

**CURTAINWALL CONSULTANT:** A.J.P. Consulting  
40 Worth Street, Suite 826  
New York, NY 10013  
TEL: 212 757 5559 FAX: 646 219 8508

**LANDMARK/PRESERVATION CONSULTANT:** Jan Hird Pokorny Associates, Inc.  
39 West 37th Street, 12A  
New York, NY 10018  
TEL: 212 759 6452 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	FOUNDATION BID PACKAGE	03-31-2014
3	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
4	FOUNDATION BID PACKAGE	04-04-2014
5	STEEL BID PACKAGE	05-22-2014
6	FOUNDATION 80% CD	05-22-2014
7	SUPERSTRUCTURE CONCRETE BID	06-02-2014
8	DOB FILING SET	06-17-2014
9	FOUNDATION 90% CD	07-01-2014
10	STRUCTURAL STEEL BID	09-15-2014
11	CD PROGRESS ISSUE 1	10-15-2014
12	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
13	DOB SUBMISSION	12-19-2014
14	DOB SUBMISSION	02-05-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

**CONSULTANT:** WSP  
228 East 45th Street  
New York, NY 10017  
(212) 687-9885  
www.wspgroup.com/usa

**PROJECT:** 217 WEST 57TH STREET  
NEW YORK, NY

**DRAWING TITLE:** MAT REINFORCEMENT PLAN

SEAL & SIGNATURE	DATE:
	03-31-2014
	2012185

PROJECT No:	REV:
2012185	14

SCALE: As indicated

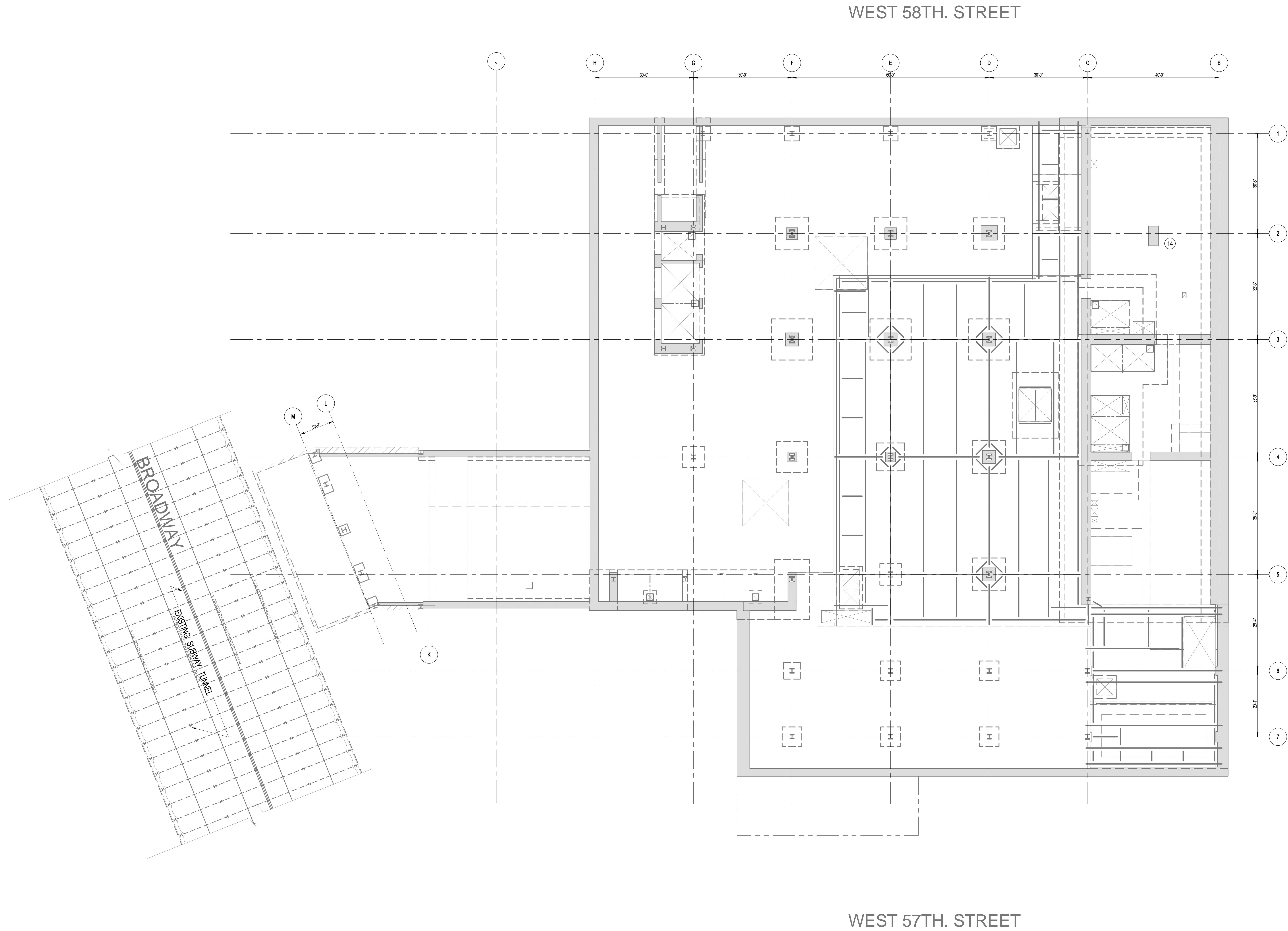
DWG No: **FO-102.01**

DOB PAGE No: 5 of 100

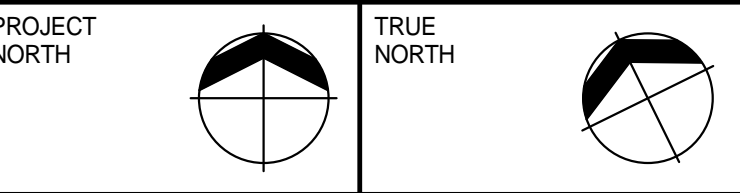
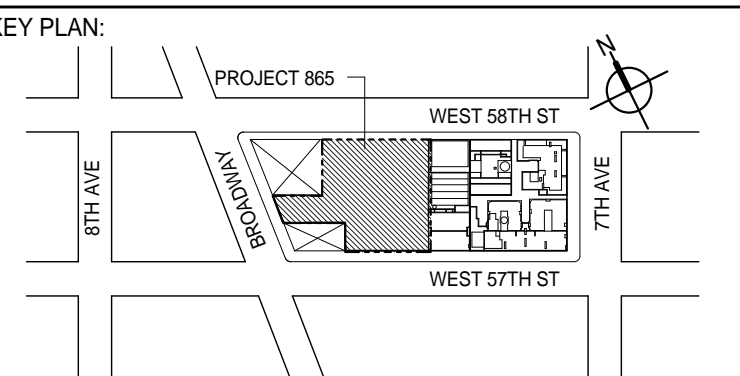
DOB S-SCAN:

**Damian Titus**  
Buildings Approved  
Under Directive 2 of 1975  
Date: 03/31/2015  
NYC Development Hub





1 SITE KEY PLAN  
FO-101  
SCALE: 3/32" = 1'-0"  
NOTE:  
1. FOR BALANCE OF INFORMATION SEE DWG. FO-100.



DEVELOPER: **EXTELL DEVELOPMENT COMPANY**  
805 THIRD AVENUE, 7TH FLOOR  
NEW YORK, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT: Base Building Shell & Core  
**ADRIAN SMITH + GORDON GILL ARCHITECTURE**  
111 WEST MONROE STREET SUITE 2300  
CHICAGO, IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER: Residential  
**Rottet Architecture and Design Studio, PLLC**  
208 Fifth Ave, 7th Floor  
New York, NY 10001  
TEL: 646 998 7000 FAX:

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential  
**AJAJ ARCHITECTS, P.C.**  
401 Wellington St. W., 3rd Floor  
Toronto, ON M5V 1E7 Canada  
TEL: 416 967 1500 FAX: 416 967 7150

STRUCTURAL ENGINEERS: **WSP**  
228 East 45th Street  
New York, NY 10017 USA  
TEL: 212 687 9885 FAX: 646 487 5501

MEP ENGINEERS: **AKF GROUP**  
1501 Broadway  
New York, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS: **Langan Engineering & Environmental Services**  
21 Penn Plaza - 360 West 31st Street, 8th Floor  
New York, NY 10001-2722  
TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS: **Construction Consulting Associates**  
100 Church Street  
New York, NY 10007  
TEL: 212 385 1918 FAX: 212 385 1911

CURTAINWALL CONSULTANT: **AJLP Consulting**  
40 Worth Street, Suite 826  
New York, NY 10013  
TEL: 212 757 6659 FAX: 646 219 8508

LANDMARK/PRESERVATION CONSULTANT: **Jan Hird Pokorny Associates, Inc.**  
39 West 57th Street, 12A  
New York, NY 10019  
TEL: 212 759 6462 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	FOUNDATION BID PACKAGE	03-31-2014
3	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
4	FOUNDATION BID PACKAGE	04-04-2014
5	STEEL BID PACKAGE	05-22-2014
6	FOUNDATION 80% CD	05-22-2014
7	DOB FILING SET	06-17-2014
8	FOUNDATION 90% CD	07-01-2014
9	DOB SUBMISSION	12-19-2014
10	DOB SUBMISSION	02-05-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT: **WSP**  
228 East 45th Street  
New York, NY 10017  
(212) 687-9885  
www.wspgroup.com/usa

PROJECT: **217 WEST 57TH STREET**  
NEW YORK, NY

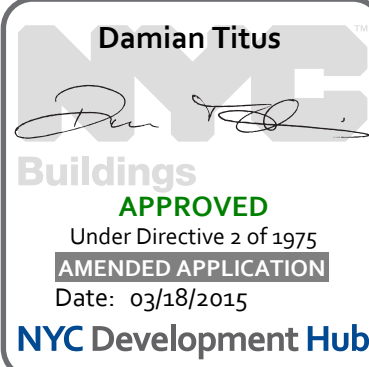
DRAWING TITLE:

SITE KEY PLAN

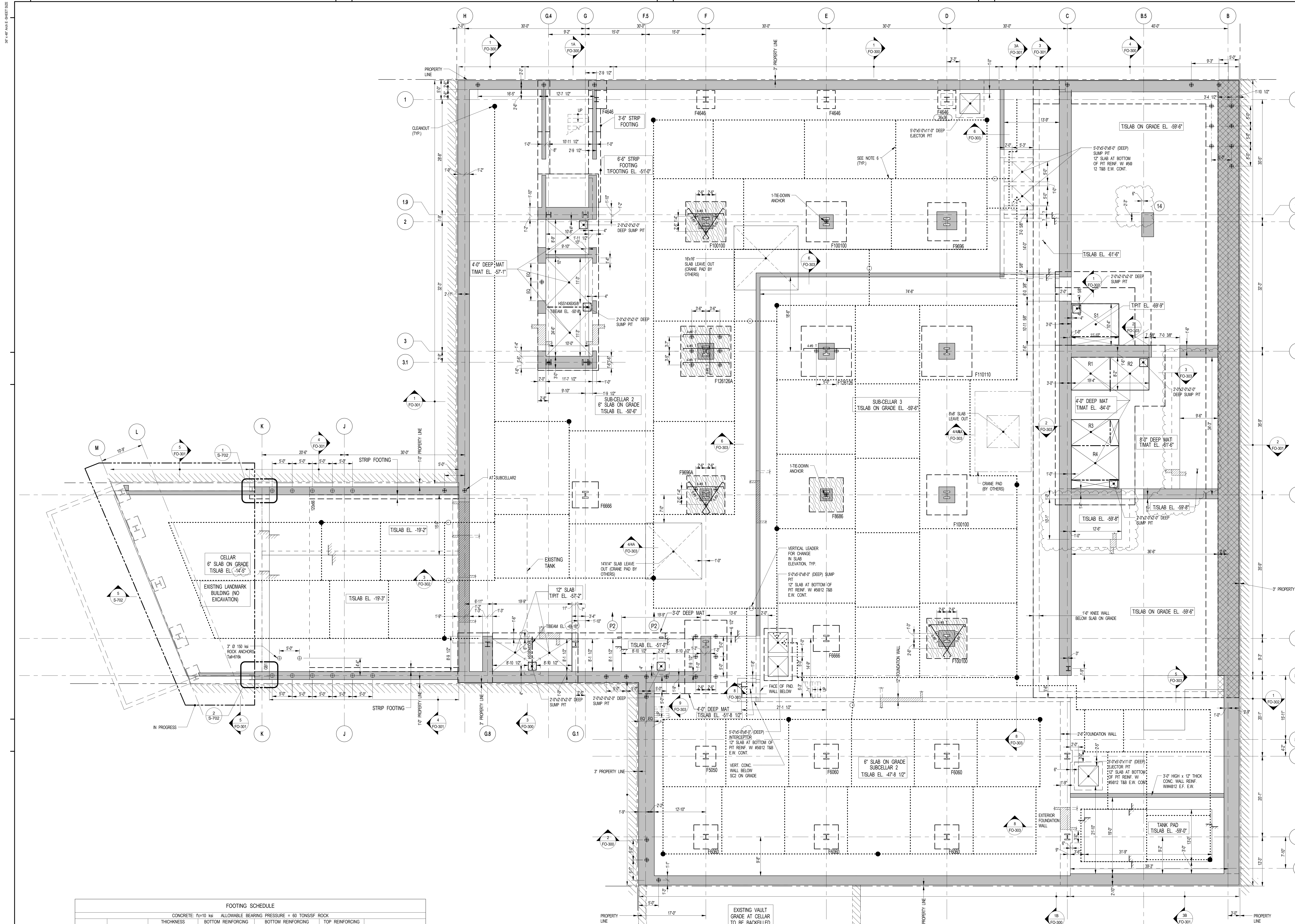
SEAL & SIGNATURE	DATE: 03-31-2014	
	PROJECT No: 2012185	
	DRAWN: CADOD	REV: 10
	CHK: YE	SCALE: 3/32" = 1'-0"
	DWG No: <b>FO-101.01</b>	

DOB PAGE No: 4 of XXX

DOB EMPLOYEE STAMP: DOB 5-SCAN:



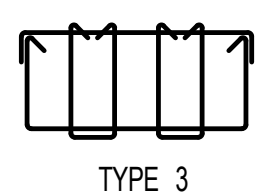




FOOTING SCHEDULE					
MARK	SIZE	CONCRETE: f <sub>c</sub> =10 ksi (DEPTH IN INCHES)	ALLOWABLE BEARING PRESSURE = 60 TONS/SF ROCK BOTTOM REINFORCING LONG WAY	BOTTOM REINFORCING SHORT WAY	TOP REINFORCING E.W.
F4646	4'-6"x4'-6"	27	7#11	7#11	
F5000	5'-0"x5'-0"	34	9#11	9#11	
F6000	6'-0"x6'-0"	48	11#11	11#11	
F6666	6'-6"x6'-6"	48	14#11	14#11	SEE PLAN
F6966	6'-6"x6'-6"	68	21#11	21#11	2 LAYERS
F6966	6'-6"x6'-6"	62	2x13#11	2x13#11	2 LAYERS
F6966A	6'-6"x6'-6"	68	2x13#11	2x13#11	2 LAYERS
F10010	10'-0"x10'-0"	72	2x14#11	2x14#11	2 LAYERS
F110110	11'-0"x11'-0"	72	2x15#11	2x15#11	2 LAYERS
F12612	12'-6"x12'-6"	90	2x21#11	2x21#11	2 LAYERS
F12612A	12'-6"x12'-6"	96	2x23#11	2x23#11	2 LAYERS

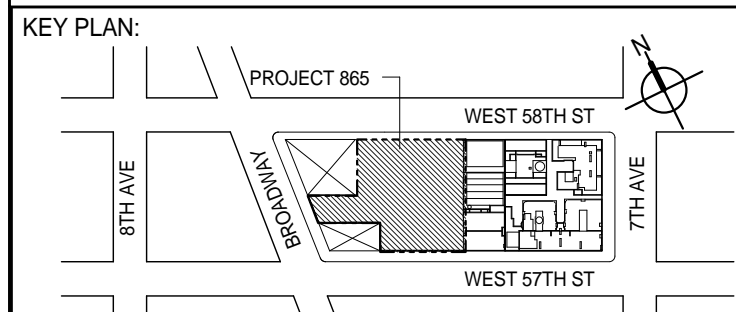
NOTE: FIRST FOOTING DIMENSION IS EAST-WEST DIRECTION.

GRADE BEAM SCHEDULE							
BEAM MARK	SIZE	REINFORCEMENT	TOP ADDL. BARS AT SUPPORT	STIRRUPS			
GB1	WIDTH 120	DEPTH 66	BOTTOM CONTINUOUS 22#11	TOP CONTINUOUS 11#47	TYPE 3	SIZE #4	SPACING 12"
							REMARKS



1 FOUNDATION (SUB-CELLAR 3) PLAN  
SCALE: 1/8" = 1'-0"

- NOTES:
- FOR TOP OF SLAB ELEVATION SEE PLAN. PROJECT 0'-0" = 75'-0" ABOVE MANHATTAN DATUM.
  - SLAB ON GRADE TO BE 6" THICK REINF. WITH #6@12 E.W. U.O.A. ON PLAN.
  - TOP OF FOOTING TO BE 1'-0" BELOW TOP OF SLAB U.O.A. ON PLAN.
  - ROCK AT NEW FOUNDATION WALLS SHALL BE STABILIZED PER RECOMMENDATION OF GEOTECHNICAL ENGINEER.
  - PROVIDE DOWELS IN FOOTING TO MATCH VERTICAL WALL REINF. OR VERTICAL WALL REIN. (WHERE SHOWN ON PLAN) REINF. (TYP.)
  - COORDINATE PERFORATED PIPE DRAINAGE AND SUMP PITS WITH ARCH. & MECH. DRAWINGS. FOR TYPICAL DRAIN DETAILS SEE F1000 SERIES DRAWINGS.
  - FOR UNDERGROUND PLUMBING SEE ARCH-MECH. DRAWINGS.
  - FOR GENERAL NOTES AND LEGEND SEE F0001.
  - FOR TYPICAL DETAILS SEE F0000 SERIES DRAWINGS.
  - FOR FOUNDATION SECTIONS SEE F0000 SERIES DRAWINGS.
  - FOR SHIELDING DETAILS SEE S-600 SERIES DRAWINGS.
  - FOR COLUMN SIZES AND DETAILS SEE S-600 SERIES DRAWINGS.
  - FOR STAR LOCATIONS SEE ARCH. DRAWINGS.
  - INDICATES 100 TON BEARING CAPACITY.
  - INDICATES 75 TON BEARING CAPACITY.
  - OUTSIDE FACE OF FOUNDATION WALL SHALL BE WITHIN BUILDING PROPERTY LINE.
  - CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS.
  - DIVIDER BEAMS TO BE PROVIDED BY ELEVATOR CONTRACTOR.



PROJECT NORTH  
TRUE NORTH

DEVELOPER:  
**EXTELL DEVELOPMENT COMPANY**  
805 THIRD AVENUE, 7TH FLOOR  
NEW YORK, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT: Base Building Shell & Core  
**ADRIAN SMITH + GORDON GILL ARCHITECTURE**  
111 WEST MONROE STREET SUITE 2300  
CHICAGO, IL 60603  
TEL: 312 427 1888 FAX: 312 427 1775

INTERIOR DESIGNER: Residential  
**Rotter Architecture and Design Studio, PLLC**  
228 Fifth Ave., 7th Floor  
New York, NY 10001  
TEL: 646 998 7000 FAX:

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential  
**AJA ARCHITECTS, P.C.**  
401 Westchester St., 3rd Floor  
Toronto, ON M5V 1E7 Canada  
TEL: 416 967 1500 FAX: 416 967 7150

STRUCTURAL ENGINEERS:  
**WSP**  
228 East 45th Street  
New York, NY 10017 USA  
TEL: 212 687 2885 FAX: 646 487 5501

MEP ENGINEERS:  
**AKF GROUP**  
1501 Broadway  
New York, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS:  
**Langan Engineering & Environmental Services**  
21 Penn Plaza, 360 West 11th Street, 8th Floor  
New York, NY 10001-2722  
TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS:  
**Construction Consulting Associates**  
100 Church Street  
New York, NY 10007  
TEL: 212 385 6181 FAX: 212 385 1911

CURTAINWALL CONSULTANT:  
**AJLP Consulting**  
40 Worth Street, Suite 826  
New York, NY 10013  
TEL: 212 757 6659 FAX: 646 219 8508

LANDMARK/PRESERVATION CONSULTANT:  
**Jan Hird Pokorny Associates, Inc.**  
39 West 57th Street, 12A  
New York, NY 10019  
TEL: 212 759 6452 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	FOUNDATION BID PACKAGE	03-31-2014
3	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
4	FOUNDATION BID PACKAGE	04-04-2014
5	STEEL BID PACKAGE	05-22-2014
6	FOUNDATION 90% CD	05-22-2014
7	SUPERSTRUCTURE CONCRETE BID	06-02-2014
8	DOB FILING SET	06-17-2014
9	FOUNDATION 90% CD	07-01-2014
10	SK	07-17-2014
11	SE ZONE STEEL BID	08-20-2014
12	STRUCTURAL STEEL BID	09-15-2014
13	STRUCTURAL STEEL BID-ADDENDUM	10-01-2014
14	CD PROGRESS ISSUE 1	10-15-2014
15	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
16	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
17	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
18	DOB SUBMISSION	12-19-2014
19	CD PROGRESS ISSUE-2	12-19-2014
20	DOB SUBMISSION	02-05-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT:  
**WSP**  
228 East 45th Street  
New York, NY 10017  
(212) 687-2885  
www.wspgroup.com/usa

PROJECT:  
**217 WEST 57TH STREET  
NEW YORK, NY**

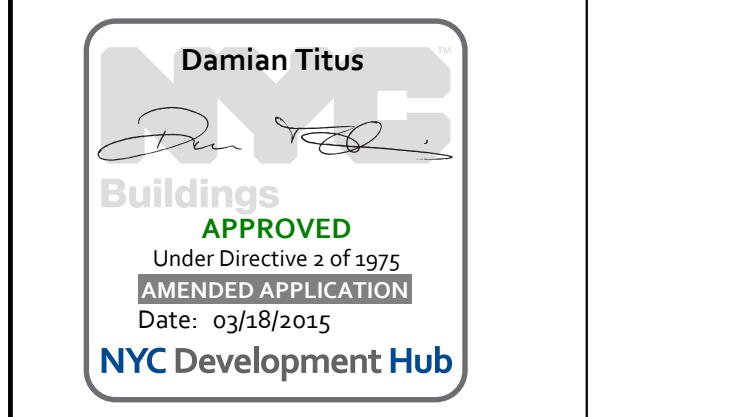
DRAWING TITLE:  
**FOUNDATION (SUB-CELLAR 3) PLAN**

SEAL & SIGNATURE: DATE: 03-31-2014  
PROJECT No: 2012185

DRAWN: CAD REV: 20  
CHK: YE  
SCALE: 1/8" = 1'-0"  
DWG No:

**FO-100.02**  
DOB PAGE No: 3 of XXX  
DOB No: 2012185

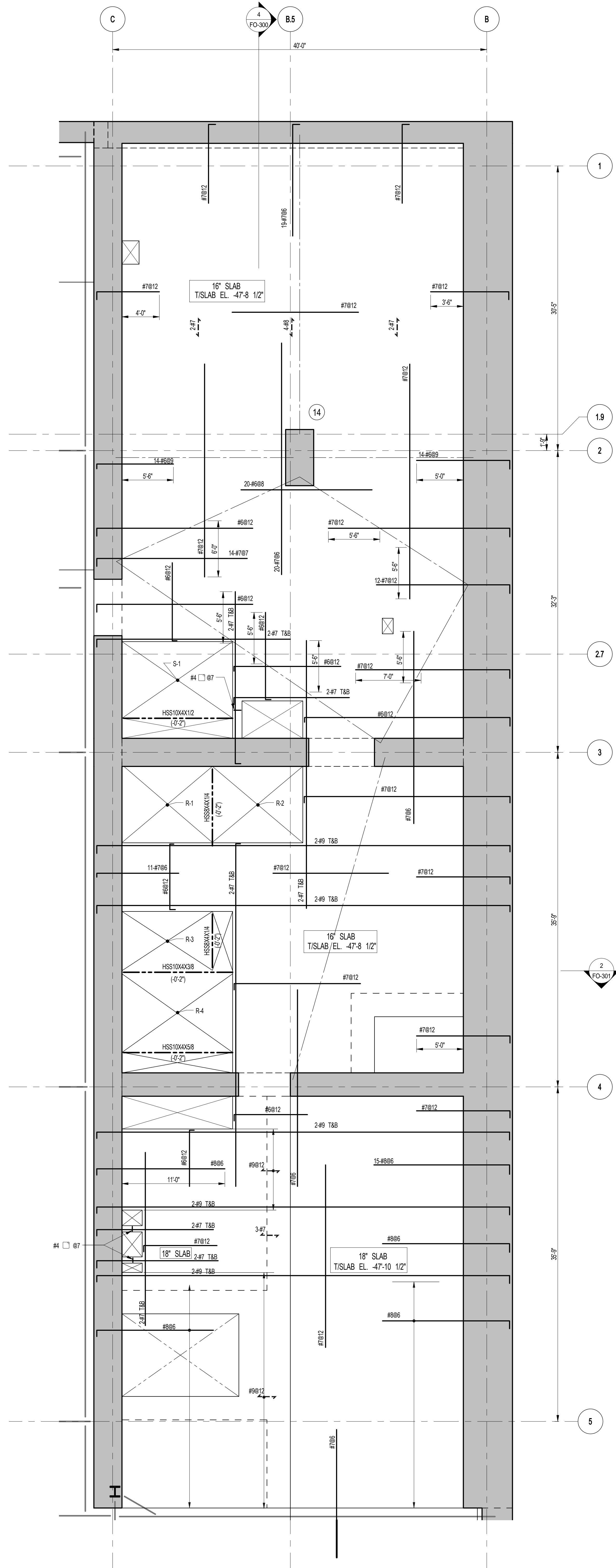
DOB EMPLOYEE STAMP: DOB S-SCAN:







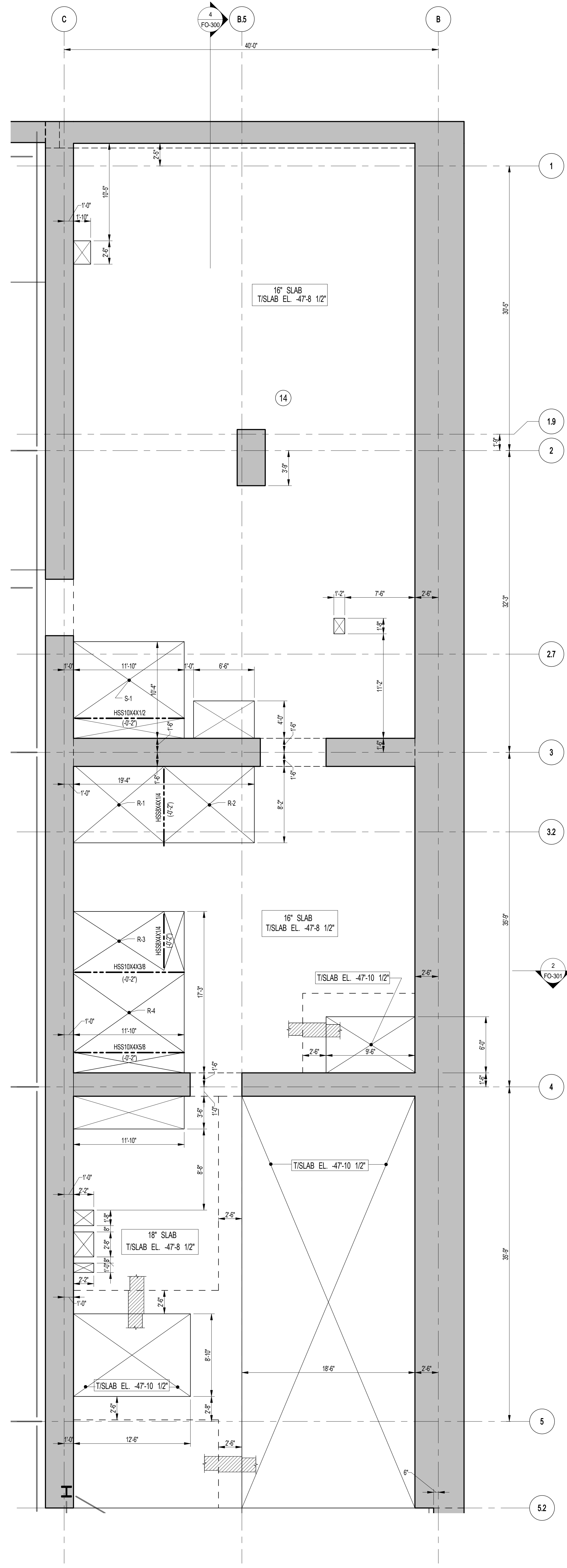




1 SUBCELLAR 2 FRAMING PLAN  
SCALE: 3/16" = 1'-0"

NOTES:

1. FOR TISLAB ELEVATION SEE S-001
2. CONCRETE SLAB SHALL BE 16" THICK U.O.N. THUS, TISLAB PLAN
3. CONCRETE STRENGTH  $f_c$  OF SLAB SHALL BE 10,000 psi
4. BOTTOM REINFORCEMENT TO BE #7@12 E.W. CONT. FOR 16" SLAB AND #8@12 E.W. CONT. FOR 18" SLAB
5. FOR BALANCE OF INFORMATION SEE DRAWING S-001



2 SUBCELLAR 2 GENERAL ARRANGEMENT PLAN  
SCALE: 3/16" = 1'-0"

NOTES:

1. FOR SLAB INFORMATION SEE CORRESPONDING FRAMING PLAN

DEPT OF BLDGS & INFRASTRUCTURE

Job Number: E5200312480

Job Name: 21 WEST 57TH STREET

KEY PLAN

PROJECT #01

WEST 57TH ST

WEST 58TH ST

WEST 59TH ST

WEST 60TH ST

WEST 61ST ST

WEST 62ND ST

WEST 63RD ST

WEST 64TH ST

WEST 65TH ST

WEST 66TH ST

WEST 67TH ST

WEST 68TH ST

WEST 69TH ST

WEST 70TH ST

WEST 71ST ST

WEST 72ND ST

WEST 73RD ST

WEST 74TH ST

WEST 75TH ST

WEST 76TH ST

WEST 77TH ST

WEST 78TH ST

WEST 79TH ST

WEST 80TH ST

WEST 81ST ST

WEST 82ND ST

WEST 83RD ST

WEST 84TH ST

WEST 85TH ST

WEST 86TH ST

WEST 87TH ST

WEST 88TH ST

WEST 89TH ST

WEST 90TH ST

WEST 91ST ST

WEST 92ND ST

WEST 93RD ST

WEST 94TH ST

WEST 95TH ST

WEST 96TH ST

WEST 97TH ST

WEST 98TH ST

WEST 99TH ST

WEST 100TH ST

PROJECT NORTH

TRUE NORTH

DEVELOPER:

**EXTELL DEVELOPMENT COMPANY**

805 THIRD AVENUE, 7TH FLOOR  
NEW YORK, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT:

Base Building Shell & Core  
**ADRIAN SMITH + GORDON GILL ARCHITECTURE**  
111 WEST MONROE STREET SUITE 2300  
CHICAGO, IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER:

Residential  
**Rottet Architecture and Design Studio, PLLC**  
238 Fifth Ave., 7th Floor  
New York, NY 10001  
TEL: 646 989 7000 FAX:

ARCHITECT OF RECORD:

Base Building Shell, Core, & Residential  
**AJA ARCHITECTS, P.C.**  
401 Wellington St. W., 3rd Floor  
Toronto, ON M5V 1E7 Canada  
TEL: 416 967 1500 FAX: 416 967 7150

STRUCTURAL ENGINEERS:

**WSP**  
228 East 45th Street  
New York, NY 10017 USA  
TEL: 212 687 9885 FAX: 646 487 5501

MEP ENGINEERS:

**AKF GROUP**  
1501 Broadway  
New York, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS:

**Langan Engineering & Environmental Services**  
21 Penn Plaza - 360 West 31st Street, 8th Floor  
New York, NY 10001-2727  
TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS:

**Construction Consulting Associates**  
100 Church Street  
New York, NY 10007  
TEL: 212 385 1512 FAX: 212 385 1911

CURTAINWALL CONSULTANT:

**AJLP Consulting**  
40 Worth Street, Suite 826  
New York, NY 10013  
TEL: 212 757 5559 FAX: 646 219 8508

LANDMARK/PRESERVATION CONSULTANT:

**Jan Hird Pokorny Associates, Inc.**  
39 West 37th Street, 12A  
New York, NY 10018  
TEL: 212 759 6452 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	CD PROGRESS ISSUE 1	10-15-2014
2	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
3	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
4	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
5	DOB SUBMISSION	12-19-2014
6	CD PROGRESS ISSUE-2	12-19-2014
7	DOB SUBMISSION	02-05-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT:

**WSP**

228 East 45th Street  
New York, NY 10017  
(212) 687-9885  
www.wspgroup.com/usa

PROJECT:

**217 WEST 57TH STREET**  
NEW YORK, NY

DRAWING TITLE:

**SUBCELLAR 2 - PART GENERAL ARRANGEMENT AND REINFORCING PLAN**

SEAL & SIGNATURE

**Damian Titus**

APPROVED

Under Directive 2 of 1975

DATE: 03/18/2015

NYC Development Hub

DATE: 10-15-2014

PROJECT No: 2012185

DRAWN: CADDO

CHK: YE

SCALE: As indicated

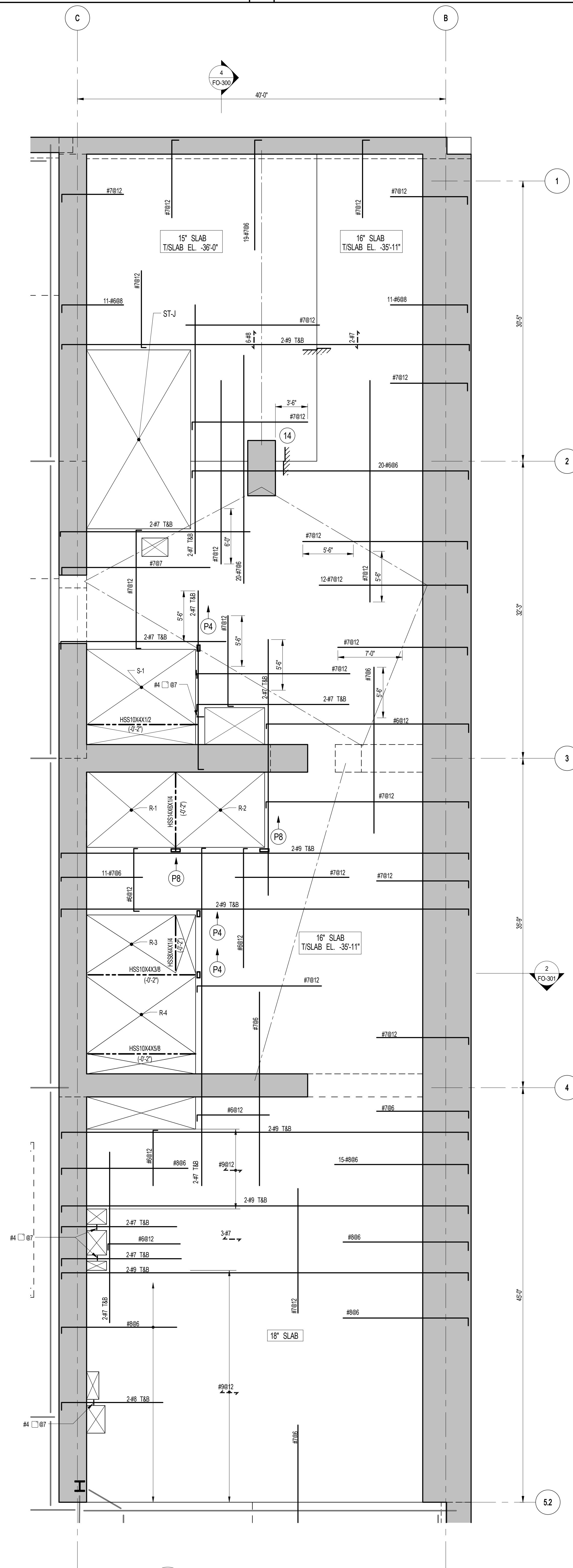
DWG No: **FO-002.00**

DOB PAGE No:

DOB EMPLOYEE STAMP:

DOB 5-SCAN:



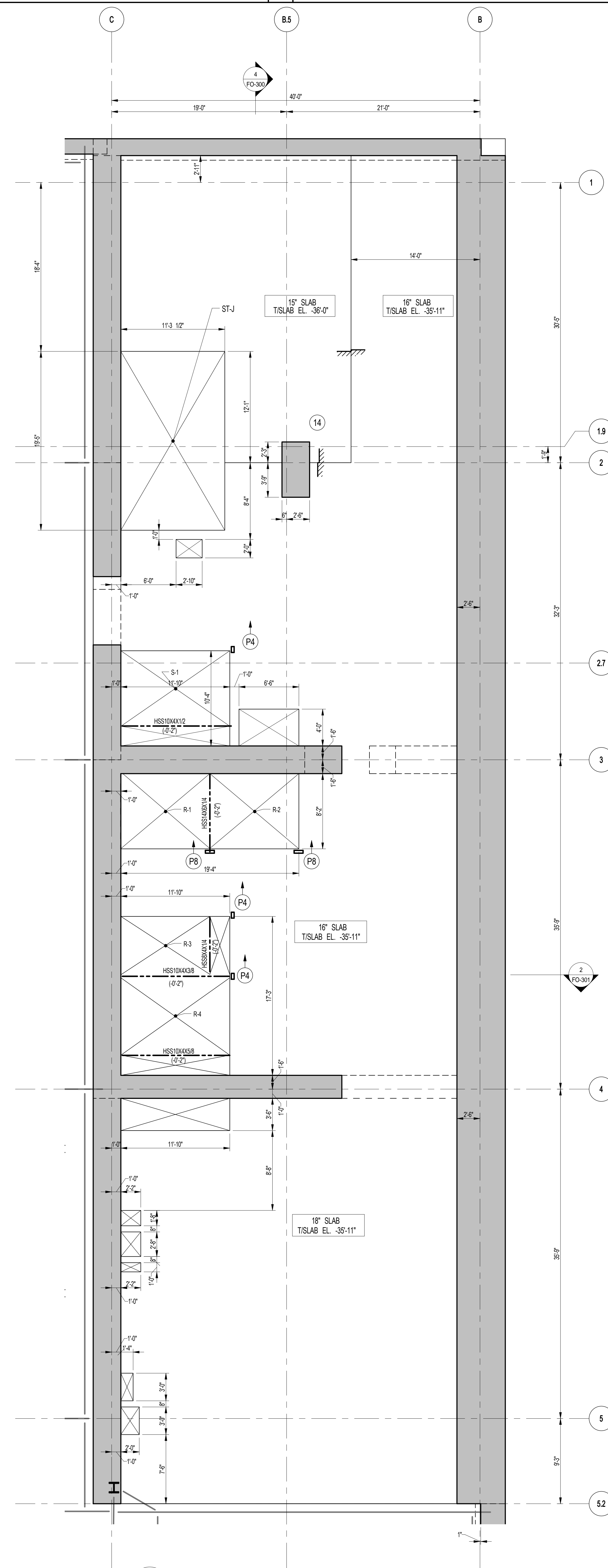


1 SUB CELLAR 1 FRAMING PLAN

SCALE: 3/16" = 1'-0"

## NOTES

1. FOR T/S LAB ELEVATION SEE S-010
2. CONCRETE SLAB SHALL BE 16" THICK U.O.N. THUS, ☐ ON PLAN
3. CONCRETE STRENGTH  $f_c$  OF SLAB SHALL BE 10,000 psi.
4. BOTTOM REINFORCEMENT TO BE: #7@12 E.W. CONT. FOR 16" & 15" SLAB  
AND #8@12 E.W. CONT. FOR 18" SLAB.
5. FOR BALANCE OF INFORMATION SEE DRAWING S-001

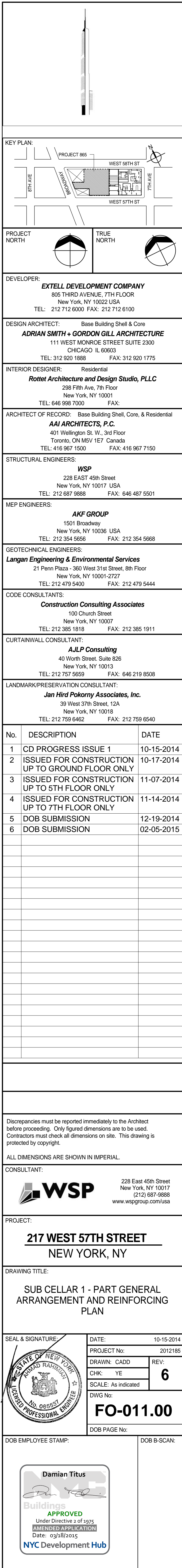


2 SUB CELLAR 1 GENERAL ARRANGEMENT PLAN

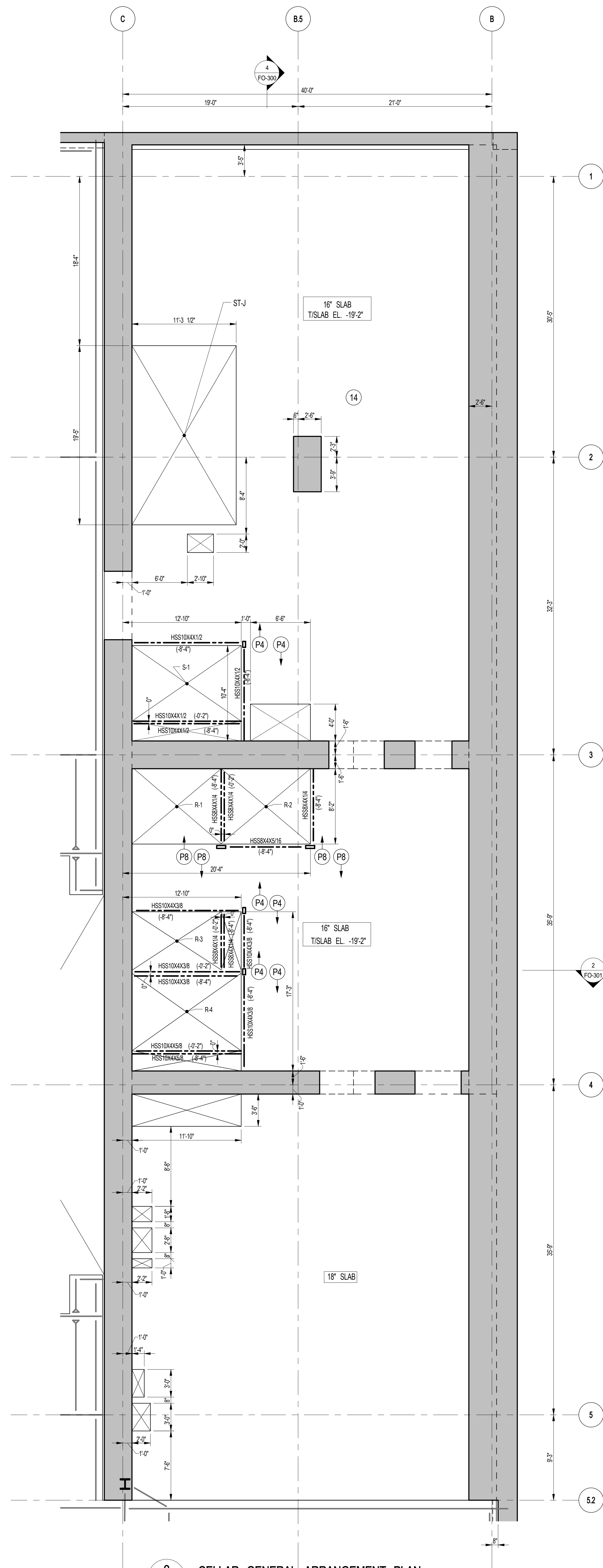
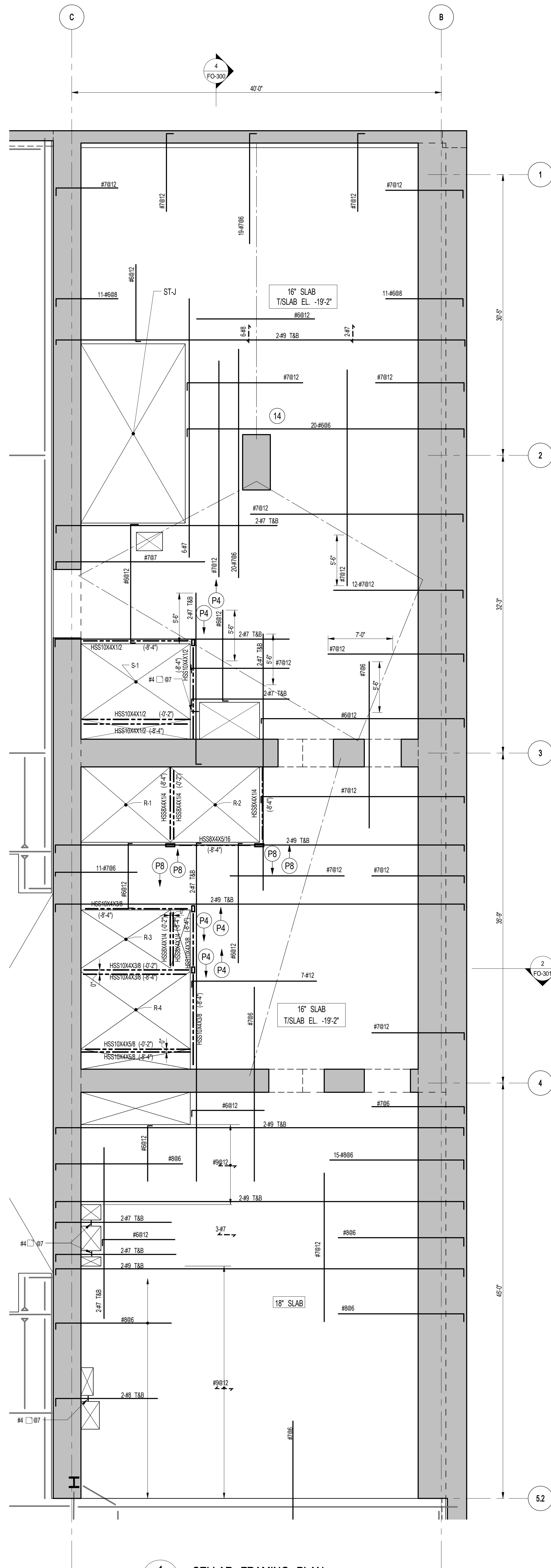
SCALE: 3/16" = 1'-0"

## NOTES

1. FOR SLAB INFORMATION SEE CORRESPONDING FRAMING PLAN







DEPT OF BLDGS & FIRE  
ESTD 1892  
JOB NUMBER

KEY PLAN  
PROJECT #10  
TRUE NORTH

DEVELOPER:  
EXTELL DEVELOPMENT COMPANY  
805 THIRD AVENUE, 7TH FLOOR  
NEW YORK, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT:  
Base Building Shell & Core  
ADRIAN SMITH + GORDON GILL ARCHITECTURE  
111 WEST MONROE STREET SUITE 2300  
CHICAGO, IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER:  
Residential  
Rottet Architecture and Design Studio, PLLC  
228 Fifth Ave, 7th Floor  
New York, NY 10001  
TEL: 646 998 7000 FAX:

ARCHITECT OF RECORD:  
Base Building Shell, Core, & Residential  
AAJ ARCHITECTS, P.C.  
401 Wellington St. W., 3rd Floor  
Toronto, ON M5V 1E7 Canada  
TEL: 416 967 1500 FAX: 416 967 7150

STRUCTURAL ENGINEERS:  
WSP  
228 EAST 45th STREET  
NEW YORK, NY 10017 USA  
TEL: 212 687 9885 FAX: 646 487 5501

MEP ENGINEERS:  
AKF GROUP  
1501 Broadway  
New York, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS:  
Langan Engineering & Environmental Services  
21 Penn Plaza - 360 West 31st Street, 8th Floor  
New York, NY 10001-2722  
TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS:  
Construction Consulting Associates  
100 Church Street  
New York, NY 10007  
TEL: 212 385 1912 FAX: 212 385 1911

CURTAINWALL CONSULTANT:  
A.J.L.P. Consulting  
40 Worth Street, Suite 826  
New York, NY 10013  
TEL: 212 757 5559 FAX: 646 219 8508

LANDMARK/PRESERVATION CONSULTANT:  
Jan Hird Pokorny Associates, Inc.  
39 West 37th Street, 12A  
New York, NY 10018  
TEL: 212 759 6452 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	CD PROGRESS ISSUE 1	10-15-2014
2	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
3	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
4	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
5	DOB SUBMISSION	12-19-2014
6	CD PROGRESS ISSUE-2	12-19-2014
7	DOB SUBMISSION	02-05-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT:  
WSP  
228 East 45th Street  
New York, NY 10017  
(212) 687-9885  
www.wspgroup.com/usa

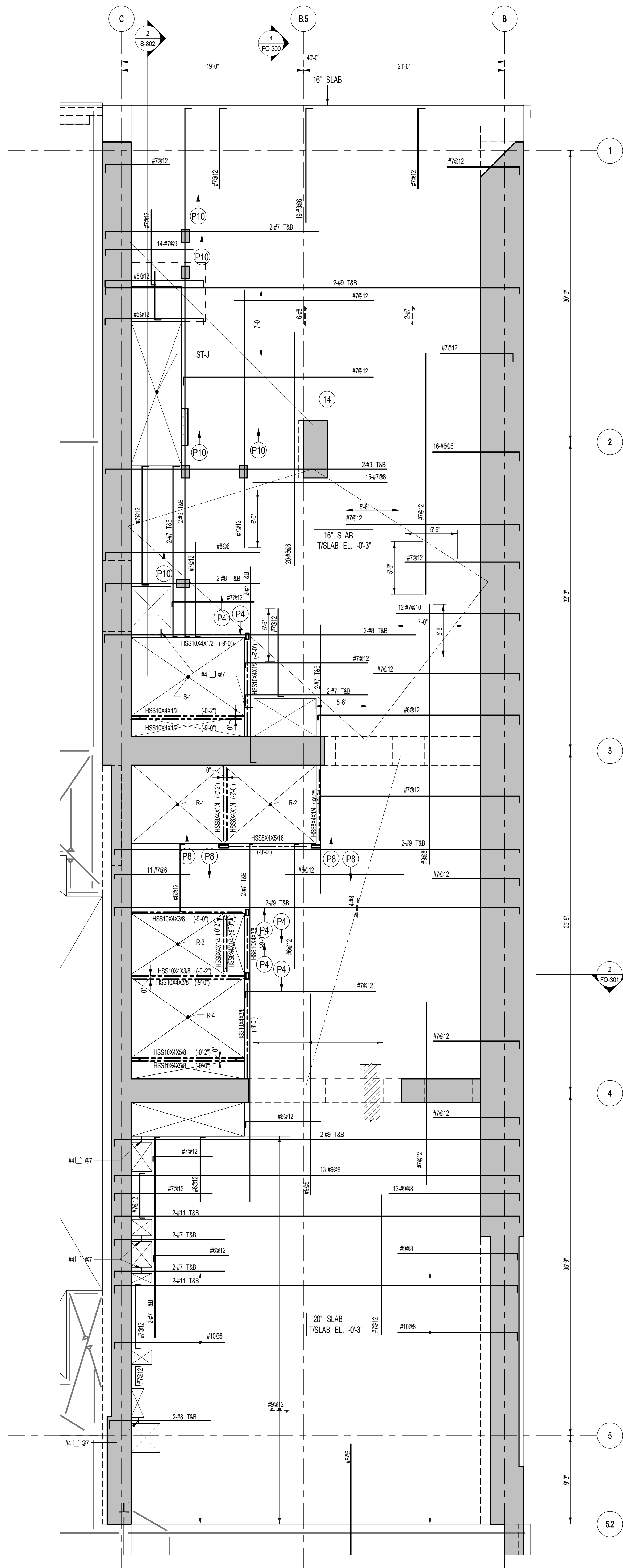
PROJECT:  
217 WEST 57TH STREET  
NEW YORK, NY

DRAWING TITLE:  
CELLAR - PART GENERAL ARRANGEMENT AND REINFORCING PLAN

SEAL & SIGNATURE  
DATE: 10-15-2014  
PROJECT No: 2012185  
DRAWN: CADOD  
CHK: YE  
SCALE: As indicated  
DWG No: FO-021.00  
DOB PAGE No: DOB 5-SCAN:

Damian Titus  
Buildings Department  
APPROVED  
Under Directive 2 of 1975  
Date: 03/18/2015  
NYC Development Hub

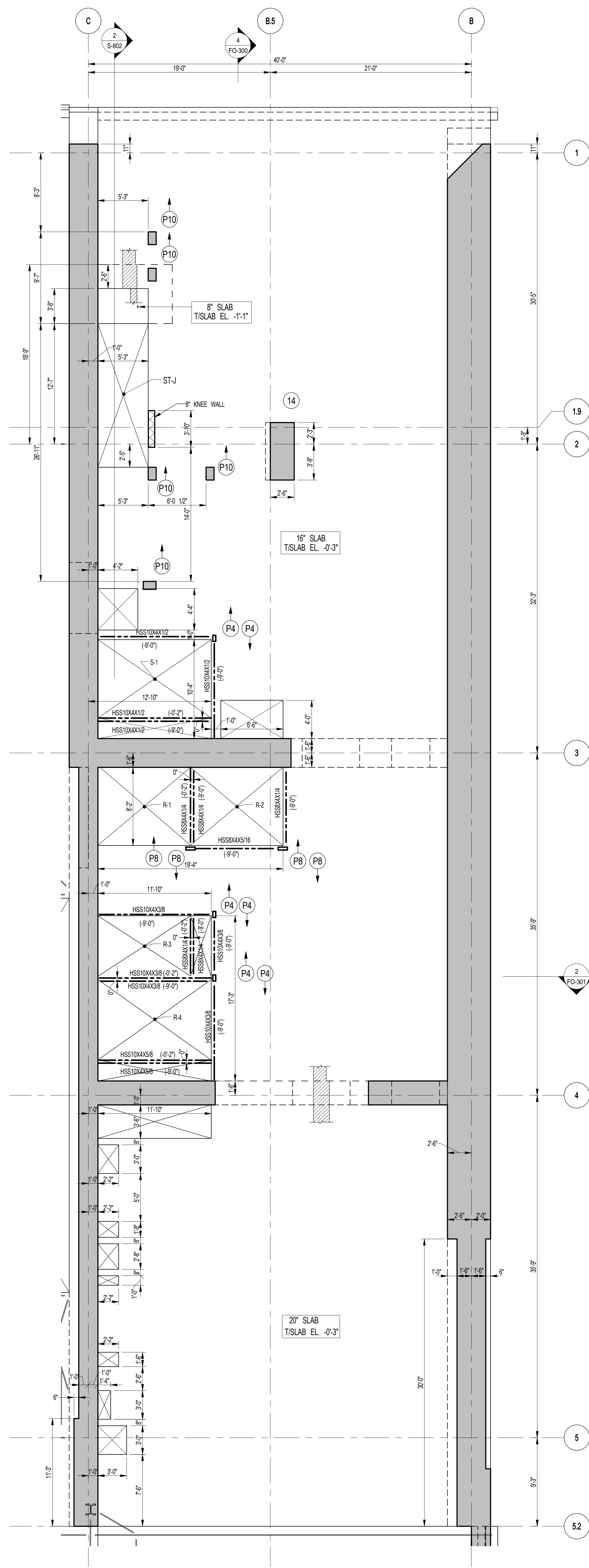




**1 GROUND FLOOR FRAMING PLAN**  
 SCALE: 3/16" = 1'-0"

**NOTES:**

1. FOR TSLAB ELEVATION SEE S-110
2. CONCRETE SLAB SHALL BE 16" THICK U.O.N. THIS PLAN
3. CONCRETE STRENGTH IN 16" SLAB SHALL BE 10,000 PSI
4. BOTTOM REINFORCEMENT TO BE #7@12 E.W. CONT. FOR 16" SLAB  
 #8@12 E.W. CONT. FOR 20" SLAB
5. [P10] INDICATES 10x16 CONC. POST W/4-6 VERT. & #4 @ 8"12
6. FOR BALANCE OF INFORMATION SEE DRAWING S-001



**2 GROUND FLOOR GENERAL ARRANGEMENT PLAN**  
 SCALE: 3/16" = 1'-0"

**NOTES:**

1. FOR SLAB INFORMATION SEE CORRESPONDING FRAMING PLAN

DEPT OF BLDGS & FIRE  
 JOB NUMBER  
 ESR177758  
 PLAN CODE

KEY PLAN

PROJECT NORTH

TRUE NORTH

DEVELOPER:  
**EXTELL DEVELOPMENT COMPANY**  
 805 THIRD AVENUE, 7TH FLOOR  
 NEW YORK, NY 10022 USA  
 TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT: Base Building Shell & Core  
**ADRIAN SMITH + GORDON GILL ARCHITECTURE**  
 111 WEST MONROE STREET SUITE 2300  
 CHICAGO, IL 60603  
 TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER: Residential  
**Rottet Architecture and Design Studio, PLLC**  
 238 Fifth Ave, 7th Floor  
 New York, NY 10017  
 TEL: 646 989 7000 FAX:

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential  
**AJA ARCHITECTS, P.C.**  
 401 Wellington St. W., 3rd Floor  
 Toronto, ON M5V 1E7 Canada  
 TEL: 416 967 1500 FAX: 416 967 7150

STRUCTURAL ENGINEERS:  
**WSP**  
 228 East 45th Street  
 New York, NY 10017 USA  
 TEL: 212 687 9885 FAX: 646 487 5501

MEP ENGINEERS:  
**AKF GROUP**  
 1501 Broadway  
 New York, NY 10036 USA  
 TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS:  
**Langan Engineering & Environmental Services**  
 21 Penn Plaza - 360 West 31st Street, 8th Floor  
 New York, NY 10001-2727  
 TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS:  
**Construction Consulting Associates**  
 100 Church Street  
 New York, NY 10007  
 TEL: 212 385 1512 FAX: 212 385 1911

CURTAINWALL CONSULTANT:  
**AJLP Consulting**  
 40 Worth Street, Suite 826  
 New York, NY 10013  
 TEL: 212 757 5559 FAX: 646 219 8508

LANDMARK/PRESERVATION CONSULTANT:  
**Jan Hird Pokorny Associates, Inc.**  
 39 West 37th Street, 12A  
 New York, NY 10018  
 TEL: 212 759 6452 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	CD PROGRESS ISSUE 1	10-15-2014
2	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
3	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
4	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
5	DOB SUBMISSION	12-19-2014
6	CD PROGRESS ISSUE-2	12-19-2014
7	DOB SUBMISSION	02-05-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT:  
**WSP**  
 228 East 45th Street  
 New York, NY 10017  
 (212) 687-9885  
 www.wspgroup.com/usa

PROJECT:  
**217 WEST 57TH STREET**  
 NEW YORK, NY

DRAWING TITLE:  
**GROUND FLOOR - PART GENERAL ARRANGEMENT AND REINFORCING PLAN**

SEAL & SIGNATURE

DATE: 10-15-2014  
 PROJECT No: 2012185  
 DRAWN: CADOD  
 CHK: YE  
 SCALE: As indicated  
 DWG No:  
**FO-111.00**  
 DOB PAGE No:  
 DOB EMPLOYEE STAMP:  
 DOB 5-SCAN:

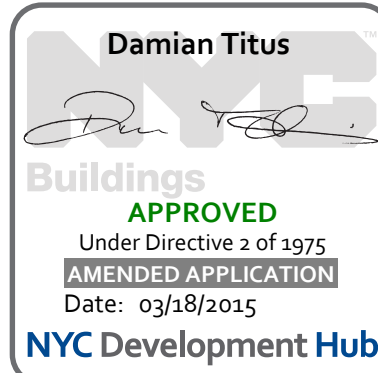
**Damian Titus**  
 Build  
 APPROVED  
 Under Directive 2 of 1975  
 Date: 03/18/2015  
 NYC Development Hub



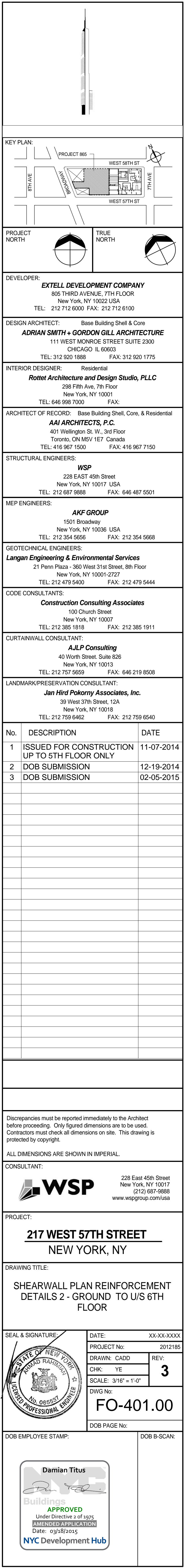


NOTES:

1. FOR HORIZONTAL REINFORCEMENT IN FOUNDATION WALLS USE THE MORE ONEROUS OF THE TYPICAL SHEARWALL REINF. SCHEDULE ON S-430 OR AS SHOWN ON FOUNDATION WALL SECTIONS ON FO-300 SERIES.
2. SEE S-430 FOR SHEARWALL TYPICAL DETAILS.
3. SEE FO-001 FOR GENERAL NOTES.
4. ALL VERTICAL WALL REINFORCEMENT SHOWN ON THIS DWG. IS IN ADDITION TO REINFORCEMENT SHOWN ON FO-300 SERIES DWG.
5. ALL #11 VERTICAL REINF. SHALL BE GRADE 75.







1 SHEARWALL PLAN REINFORCEMENT DETAILS 2 - GROUND TO U/S 6TH FLOOR  
FO-401 SCALE: 3/16" = 1'-0"  
NOTES:  
1. FOR NOTES SEE DWG S-400



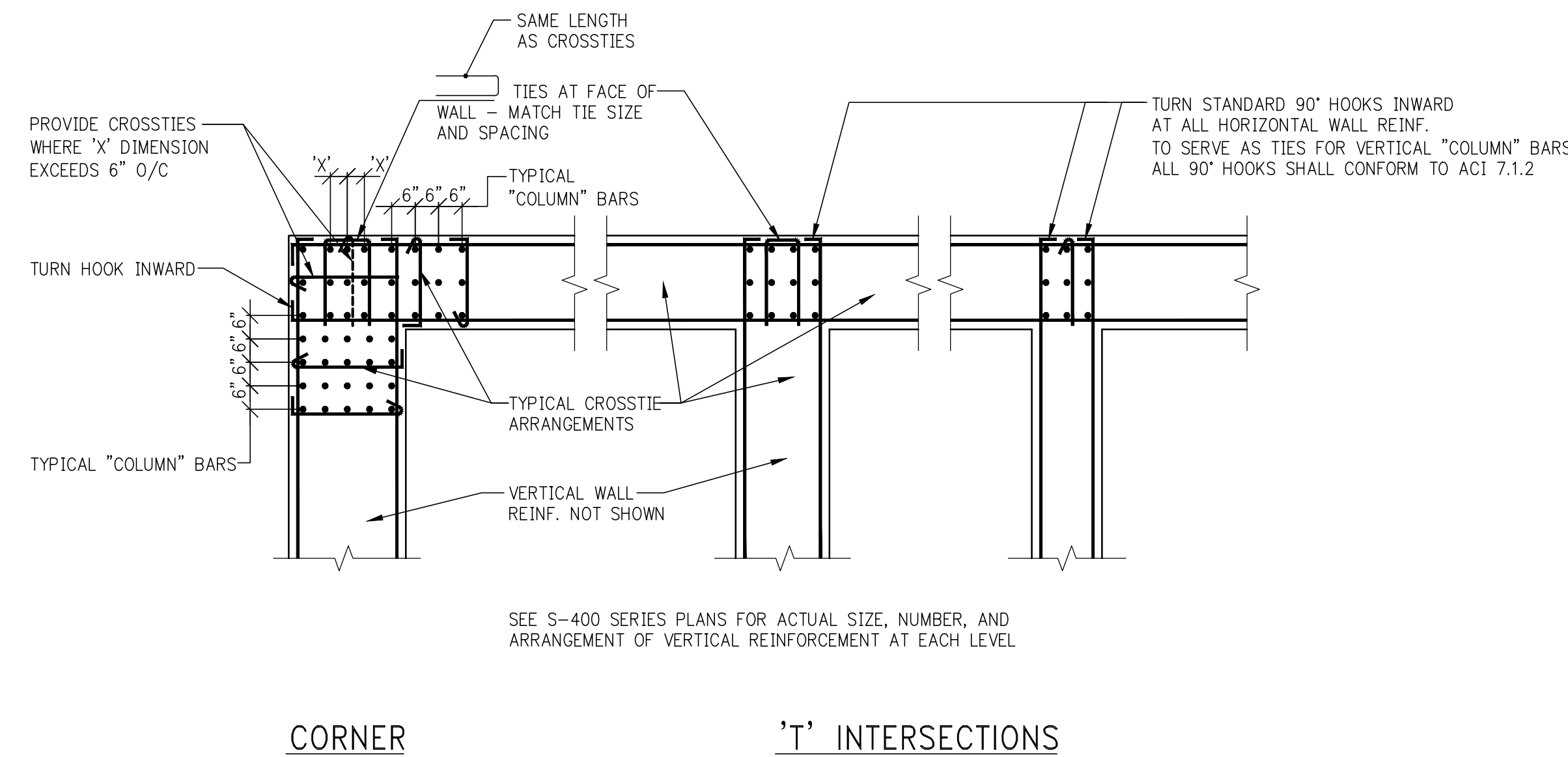


- ALL SHEARWALL REINFORCEMENT (HORIZONTAL AND VERTICAL) IS TO BE TENSION LAP SPICED.
- SIZE LAP LENGTH SHALL BE 1.33 TIMES THE TENSILE DEVELOPMENT LENGTH.
- ALL NON-TYPICAL VERTICAL BARS UNSUPPORTED AT A LEVEL ABOVE THE FINISH FLOOR SHALL BE TIED TO THE BARS 7" CLEAR ON BOTH SIDES FROM SUCH LATERALLY SUPPORTED BARS.
- REINFORCEMENT SHALL BE 180° AND 135° ENDS ON CONSECUTIVE SINGLE BAR CROSSECTIONS.
- REINFORCEMENT SHALL BE 180° ENDS ON CONSECUTIVE DOUBLE BAR CROSSECTIONS.
- FOR MINIMUM TYPICAL REINFORCEMENT SEE SCHEDULE 400.
- WHERE HEAVIER REINFORCEMENT IS SHOWN ON S-400 SERIES ELEVATIONS OR DETAILS, THE HEAVIER REINFORCEMENT SHALL BE SHOWN AND THE S-400 SERIES REINFORCEMENT SHALL BE PLACED UNLESS NOTED AS "ADDITIONAL." (AN ASTERISK IN THE REINFORCEMENT SCHEDULE SHALL INDICATE "ADDITIONAL.")
- NO OPENING OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS MAY BE PLACED WITHOUT APPROVAL OF THE ARCHITECT.
- CONTRACTOR SHALL SUBMIT CONSOLIDATED SHOP DRAWINGS (SUCH AS STRUCTURAL, ARCHITECTURAL, MEP) TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL.
- REINFORCEMENT SHALL BE SHOWN ON S-400 SERIES DRAWINGS IN SHEARWALLS WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER OF RECORD.
- REINFORCEMENT SHALL BE SHOWN ON S-400 SERIES DRAWINGS AS DEFERRED BY THE E.O.R.
- ALL ELEVATIONS FOR SHEARWALL LOCATIONS, DIMENSIONS, REINFORCEMENT, OPENINGS, LINK BEAM LOCATIONS, ETC.
- LINK BEAM SIZES SEE LINK BEAM SCHEDULE IN S-400 SERIES DRAWINGS.
- REINFORCEMENT SHALL BE SHOWN ON S-500 SERIES DRAWINGS FOR CONCRETE STRENGTH REQUIRED AT EACH LEVEL.
- FOR MINIMUM REQUIRED MODULUS OF ELASTICITY OF CONCRETE SEE S-500 SERIES DRAWINGS.



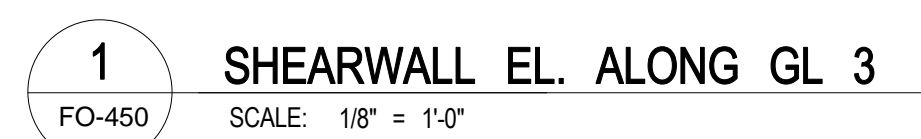
NOTES:  
1. LOCATE LOWEST SET OF TIES S/2 ABOVE TOP OF SLAB  
2. LOCATE TOP SET OF TIES WITHIN S/2 OF BOTTOM  
REINFORCEMENT IN SLAB OR LINK BEAM.

NOTE:  
COLUMN CONCRETE STRENGTH REQUIRED AT EACH  
LEVEL IS DEFINED ON THE COLUMN SCHEDULE(S)  
IN THE S-950 SERIES DRAWINGS.



**APPROVED**  
Under Directive 2 of 1975  
**AMENDED APPLICATION**  
Date: 03/18/2015





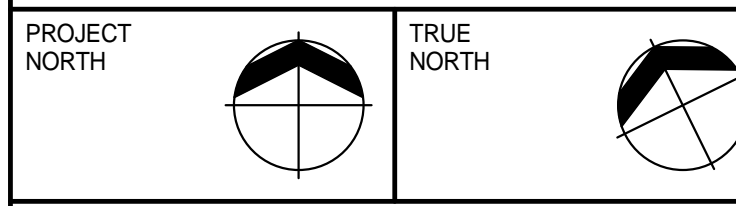
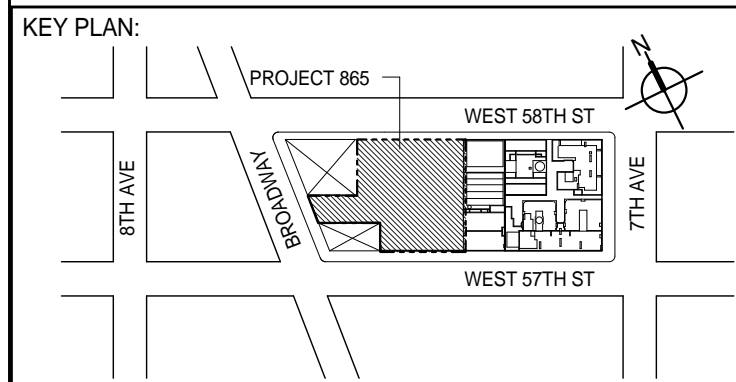
**NOTES:**

1. ALL REINFORCEMENT SHOWN ON THESE ELEVATIONS IS IN ADDITION TO REINFORCEMENT SHOWN PLANS IN S-401 SECTION DRAWINGS.
2. \*\*\* INDICATES REINFORCEMENT SHOWN ON ELEVATION IS TO BE USED IN LIEU OF REINFORCEMENT SHOWN ON PLAN.
3. FOR HORIZONTAL REINFORCEMENT IN FOUNDATION WALLS USE THE MORE ONEROUS OF THE STANDARD SHEARWALL REIN. SCHEDULE ON S-401 OR AS SHOWN ON FOUNDATION WALL SECTIONS ON F-01 SECTIONS.
4. ALL #11 VERTICAL REIN. SHALL BE GRADE 75.
5. FOR VERTICAL DETAILS SEE DRAWINGS S-430.



TYPE 1

STIRRUP TYPES



DEVELOPER: **EXTELL DEVELOPMENT COMPANY**  
805 THIRD AVENUE, 7TH FLOOR  
New York, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT: Base Building Shell & Core  
**ADRIAN SMITH + GORDON GILL ARCHITECTURE**  
111 WEST MONROE STREET SUITE 2300  
CHICAGO IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER: Residential  
**Rottet Architecture and Design Studio, PLLC**  
298 Fifth Ave., 7th Floor  
New York, NY 10001  
TEL: 646.998.7000 FAX:

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential  
**AAI ARCHITECTS, P.C.**  
401 Wellington St. W., 3rd Floor  
Toronto, ON M5V 1E7 Canada  
TEL: 416 967 1500 FAX: 416 967 7150

STRUCTURAL ENGINEERS:  
**WSP**  
228 EAST 45th Street  
New York, NY 10017 USA  
TEL: 212 687 9888 FAX: 646 487 5501

MEP ENGINEERS:

**AKF GROUP**  
1501 Broadway  
New York, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5668

**GEOTECHNICAL ENGINEERS:**  
**Langan Engineering & Environmental Services**  
21 Penn Plaza - 360 West 31st Street, 8th Floor  
New York, NY 10001-2727  
TEL: 212-479-5400 FAX: 212-479-5444

CODE CONSULTANTS:  
**Construction Consulting Associates**  
100 Church Street  
New York, NY 10007  
TEL: 212 385 1818 FAX: 212 385 1911

CURTAINWALL CONSULTANT:  
**AJLP Consulting**  
40 Worth Street, Suite 826  
New York, NY 10013  
TEL: 212 757 5659 FAX: 646 219 8508

LANDMARK/PRESERVATION CONSULTANT:  
**Jan Hird Pokorny Associates, Inc.**  
39 West 37th Street, 12A  
New York, NY 10018  
TEL: 212 759 6462 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	ISSUED FOR DESIGN DEVELOPMENT	07-31-20
2	CD PROGRESS ISSUE 1	10-15-20
3	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-20
4	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-20
5	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-20
6	DOB SUBMISSION	12-19-20
7	DOB SUBMISSION	01-09-20
8	DOB SUBMISSION	02-05-20

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT:




PROJECT:

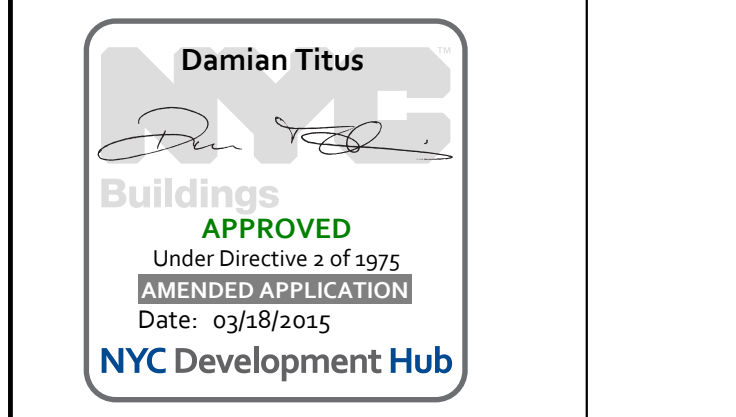
**217 WEST 57TH STREET**  
**NEW YORK, NY**

DRAWING TITLE:

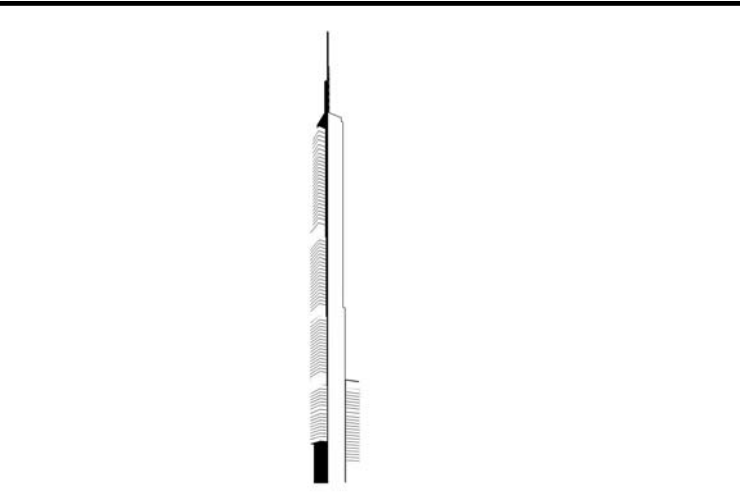
SHEARWALL ELEVATIONS ALONG  
GRIDLINE 3 (1 OF 3)

	DATE: 07-31-21 21:21	
	PROJECT No: 2012	
	DRAWN: CADD	REV:
	CHK: YE	8
	SCALE: 1/8" = 1'-0"	
DWG No:		
<h1>FO-450.00</h1>		

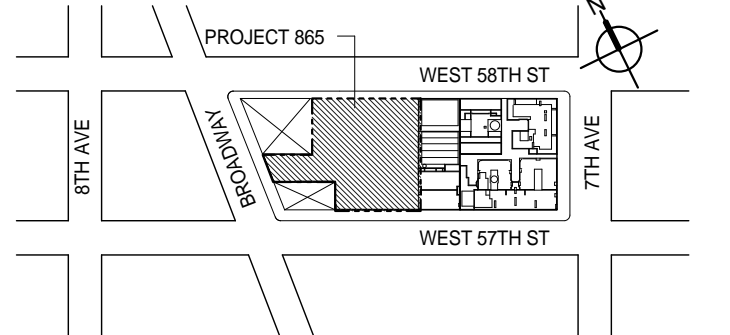
DOB PAGE No:	
DOB EMPLOYEE STAMP:	DOB B-SCAN







## KEY PLAN



PROJECT NORTH



DEVELOPER: \_\_\_\_\_

**EXTELL DEVELOPMENT COMPANY**  
805 THIRD AVENUE, 7TH FLOOR  
New York, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT: Base Building Shell & Core  
**ADRIAN SMITH + GORDON GILL ARCHITECTURE**  
111 WEST MONROE STREET SUITE 2300  
CHICAGO IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER: Residential  
**Rottet Architecture and Design Studio, PLLC**  
298 Fifth Ave, 7th Floor  
New York, NY 10001  
TEL: 646 998 7000 FAX:

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential  
**AAI ARCHITECTS, P.C.**  
401 Wellington St. W., 3rd Floor  
Toronto, ON M5V 1E7 Canada  
TEL: 416 967 1500 FAX: 416 967 7150

STRUCTURAL ENGINEERS:  
**WSP**  
228 EAST 45th Street  
New York, NY 10017 USA  
TEL: 212 687 9888 FAX: 646 487 5501

**AKF GROUP**  
1501 Broadway  
New York, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5668

**Geotechnical Engineers:**  
**Langan Engineering & Environmental Services**  
21 Penn Plaza - 360 West 31st Street, 8th Floor  
New York, NY 10001-2727  
TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS:

**Construction Consulting Associates**  
100 Church Street  
New York, NY 10007  
TEL: 212 385 1818 FAX: 212 385 1911

CURTAINWALL CONSULTANT:  
**AJLP Consulting**  
40 Worth Street, Suite 828  
New York, NY 10013  
TEL: 212 757 5659 FAX: 646 219 8508

**Jan Hird Pokorny Associates, Inc.**  
39 West 37th Street, 12A  
New York, NY 10018  
TEL: 212 759 6462 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	CD PROGRESS ISSUE 1	10-15-2014
2	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
3	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
4	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
5	DOB SUBMISSION	12-19-2014
6	DOB SUBMISSION	01-09-2015
7	DOB SUBMISSION	02-05-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL

**CONSULTANT:**

 **WSP**

228 East 45th Street  
New York, NY 10017  
(212) 687-9888  
[www.wspny.com](http://www.wspny.com)

PROJECT:

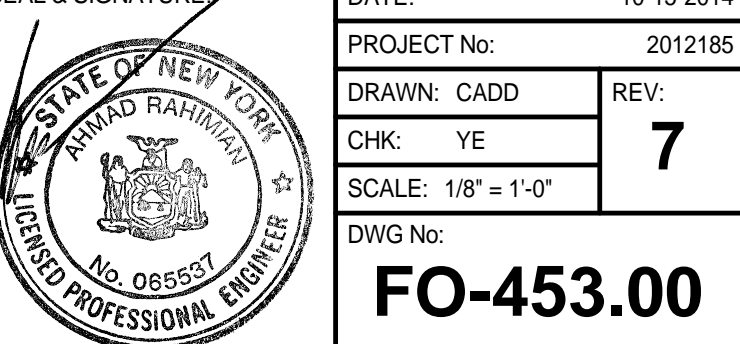
217 WEST 57TH STREET

NEW YORK, NY

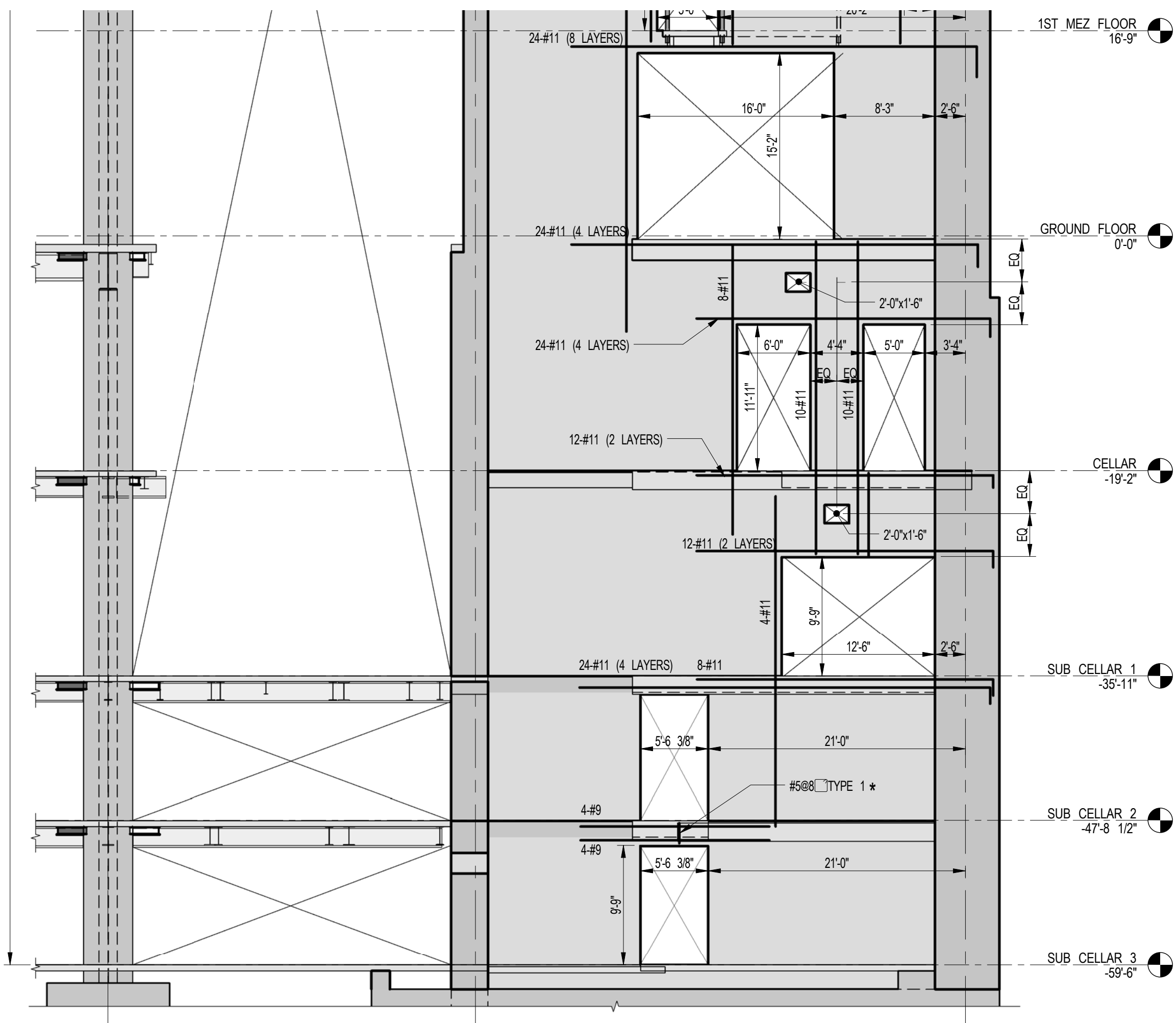
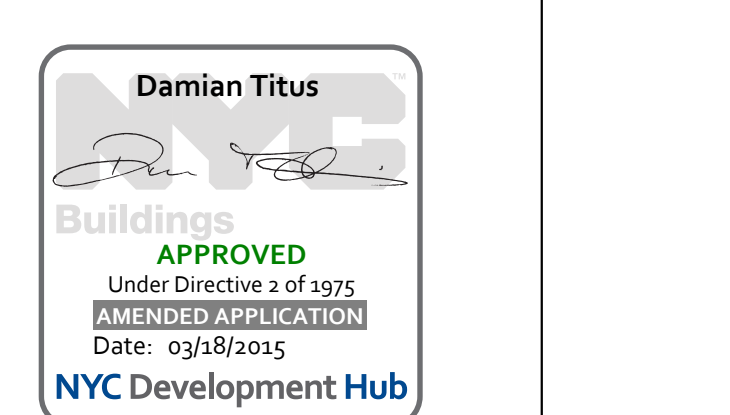
DRAWING TITLE:

SHEARWALL ELEVATIONS ALONG  
GRIDLINE 4 (1 OF 3)

FAI & SIGNATURE:	DATE:	10-15-2014
------------------	-------	------------



DOB PAGE No: \_\_\_\_\_

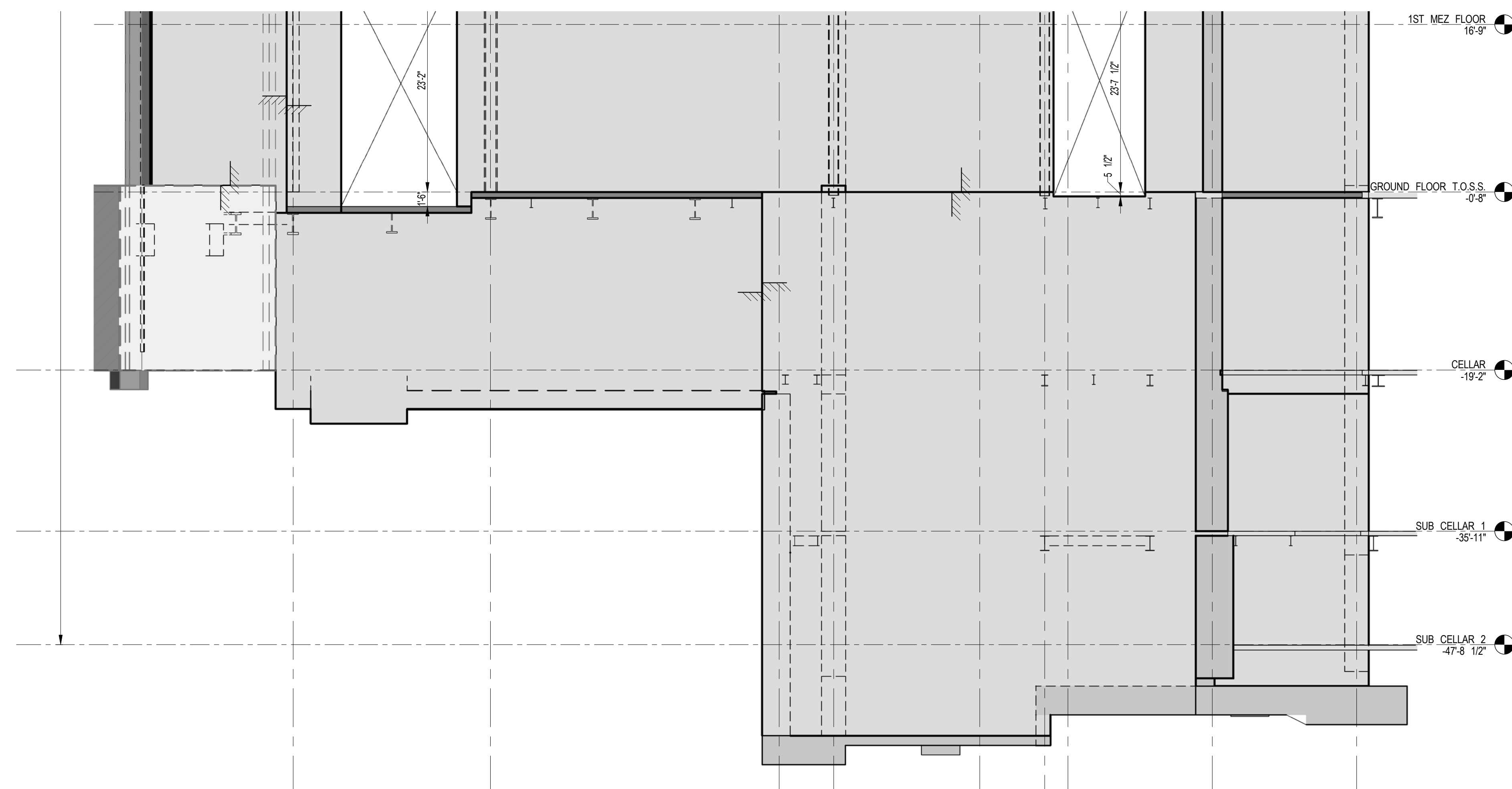


1 SHEARWALL EL. ALONG GL 4  
FO-453 SCALE: 1/8" = 1'-0"

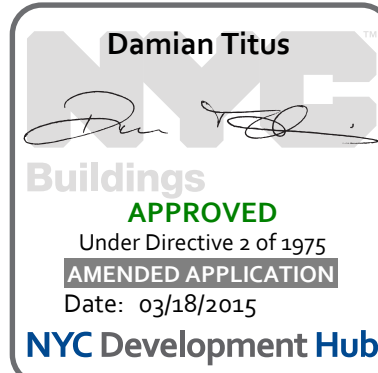
NOTES:

1. FOR NOTES SEE DRAWING S-45

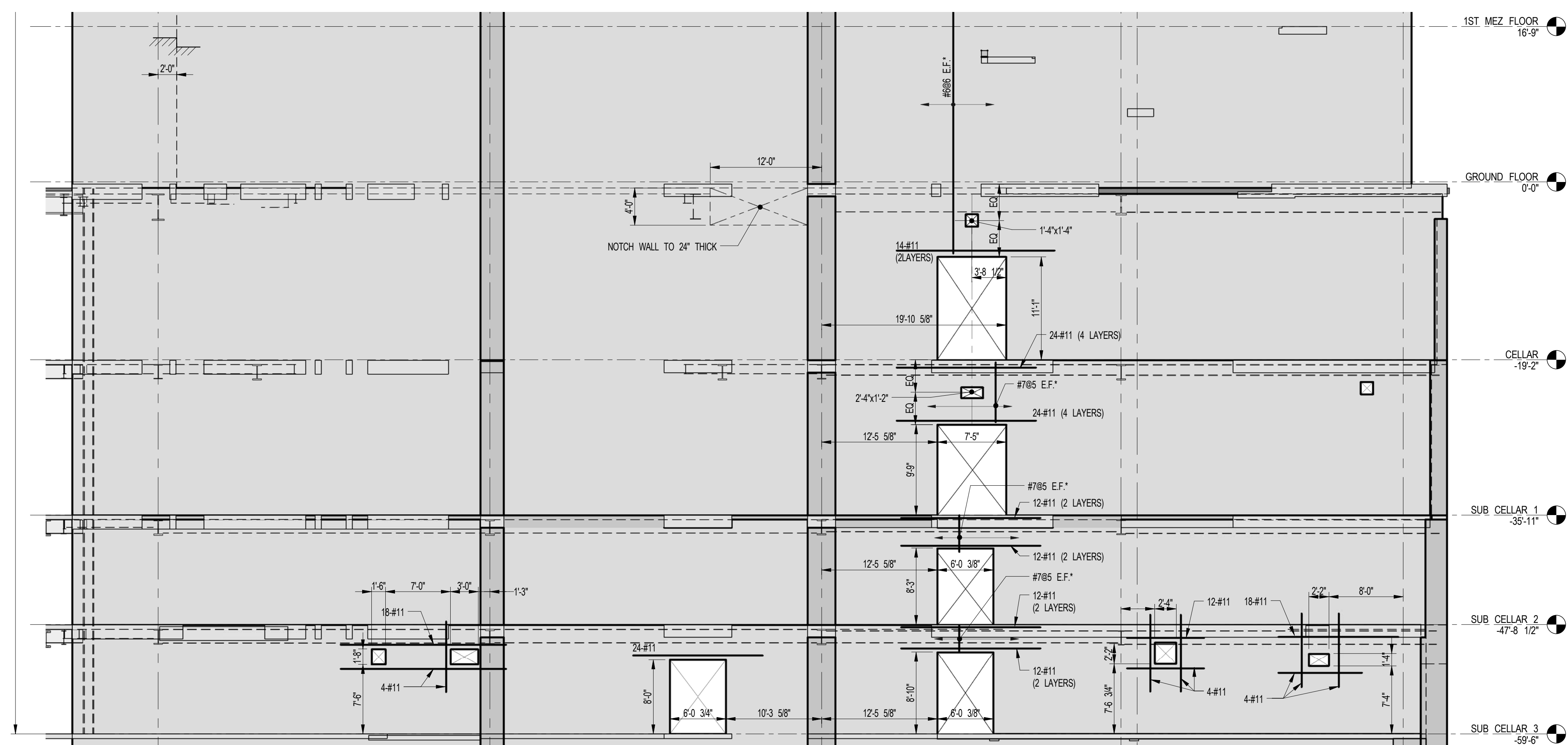
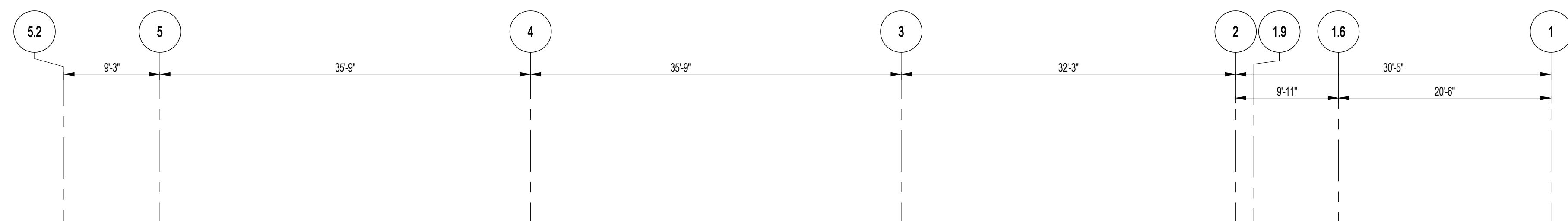




NOTES:  
1. FOR NOTES SEE DRAWING S-45

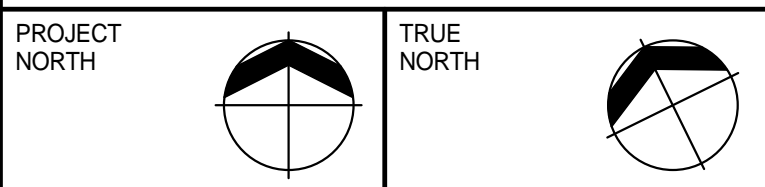
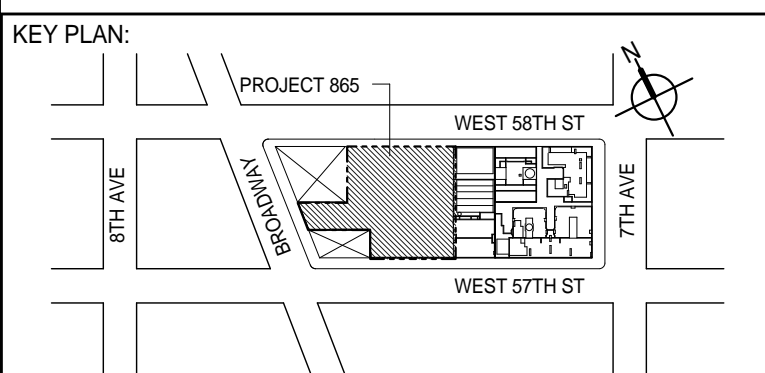






1 SHEARWALL EL. ALONG GL C  
FO-459 SCALE: 1/8" = 1'-0"

NOTES:  
1. FOR NOTES SEE DRAWING S-450



DEVELOPER:  
**EXTELL DEVELOPMENT COMPANY**  
805 THIRD AVENUE, 7TH FLOOR  
New York, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT: Base Building Shell & Core  
**ADRIAN SMITH + GORDON GILL ARCHITECTURE**  
111 WEST MONROE STREET SUITE 2300  
CHICAGO IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER: Residential  
**Rottet Architecture and Design Studio, PLLC**  
298 Fifth Ave., 7th Floor  
New York, NY 10001  
TEL: 646 998 7000 FAX:

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential  
**AAI ARCHITECTS, P.C.**  
401 Wellington St. W., 3rd Floor  
Toronto, ON M5V 1E7 Canada  
TEL: 416 967 1500 FAX: 416 967 7150

STRUCTURAL ENGINEERS:  
**WSP**  
228 EAST 45th Street  
New York, NY 10017 USA  
TEL: 212 687 9888 FAX: 646 487 5501

MEP ENGINEERS:

**AKF GROUP**  
1501 Broadway  
New York, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5688

**GEOTECHNICAL ENGINEERS:**  
**Langan Engineering & Environmental Services**  
21 Penn Plaza - 360 West 31st Street, 8th Floor  
New York, NY 10001-2727  
TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS:  
**Construction Consulting Associates**  
100 Church Street  
New York, NY 10007  
TEL: 212 385 1818 FAX: 212 385 1911

CURTAINWALL CONSULTANT:  
**AJLP Consulting**  
40 Worth Street, Suite 826  
New York, NY 10013  
TEL: 212 757 5659 FAX: 646 219 8508

LANDMARK/PRESERVATION CONSULTANT:  
*Jan Hird Pokorny Associates, Inc.*  
39 West 37th Street, 12A  
New York, NY 10018  
TEL: 212 759 6462 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	CD PROGRESS ISSUE 1	10-15-2014
2	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
3	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
4	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
5	DOB SUBMISSION	12-19-2014
6	DOB SUBMISSION	01-09-2015
7	DOB SUBMISSION	02-05-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL

**CONSULTANT:**

 **WSP**


228 East 45th Street  
New York, NY 10017  
(212) 687-9888  
[www.wspgroup.com/usa](http://www.wspgroup.com/usa)

PROJECT:


217 WEST 57TH STREET  
NEW YORK, NY

DRAWING TITLE:

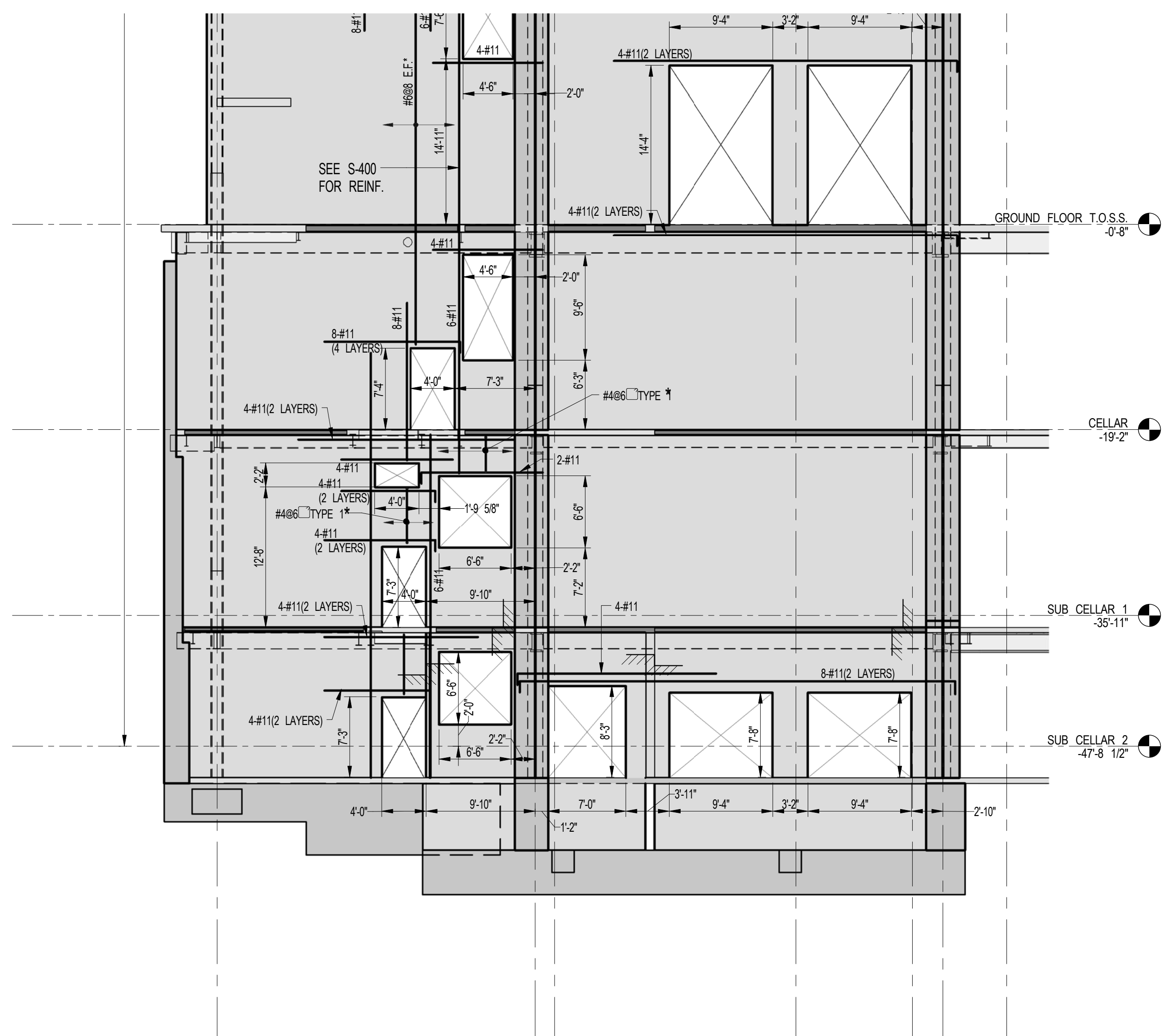
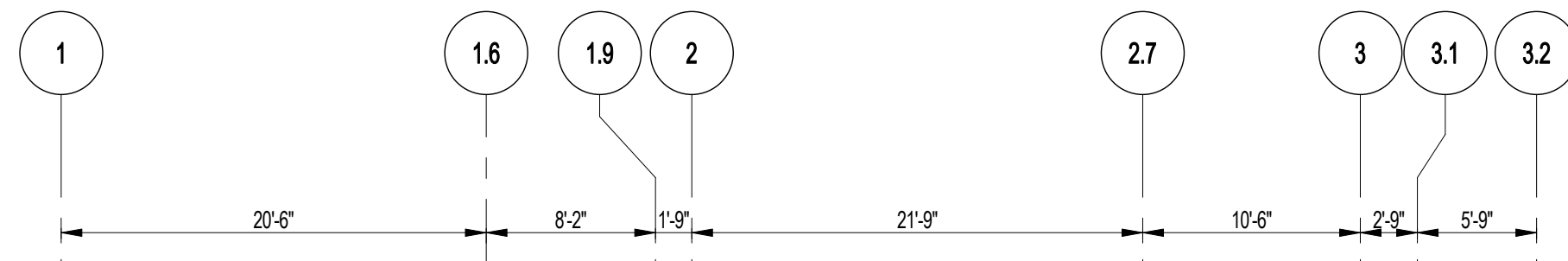
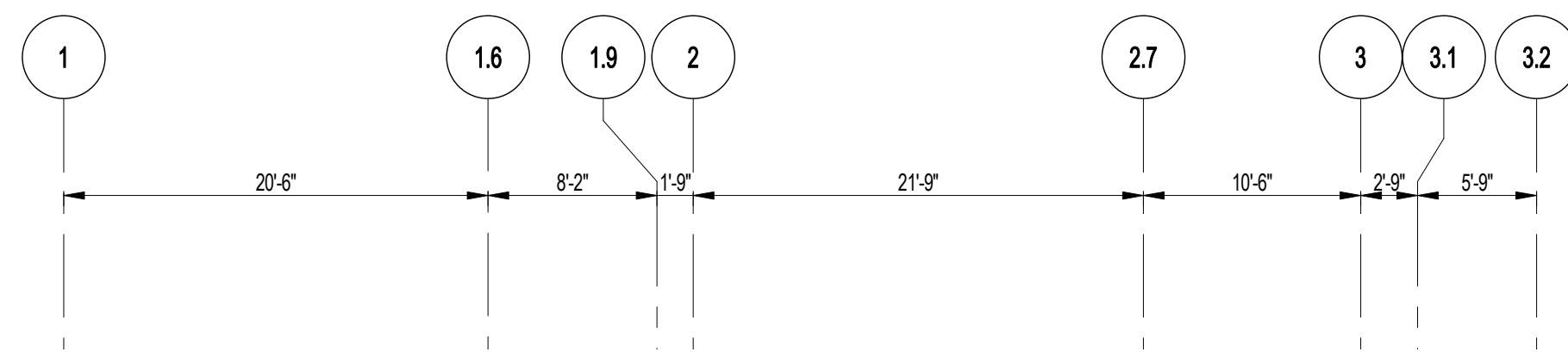
SHEARWALL ELEVATIONS ALONG  
GRIDLINE C (1 OF 3)

	DATE: 10-15-2014	
	PROJECT NO: 2012185	
	DRAWN: CADD	REV:
	CHK: YE	<b>7</b>
	SCALE: 1/8" = 1'-0"	
DWG No: FO-459.00		

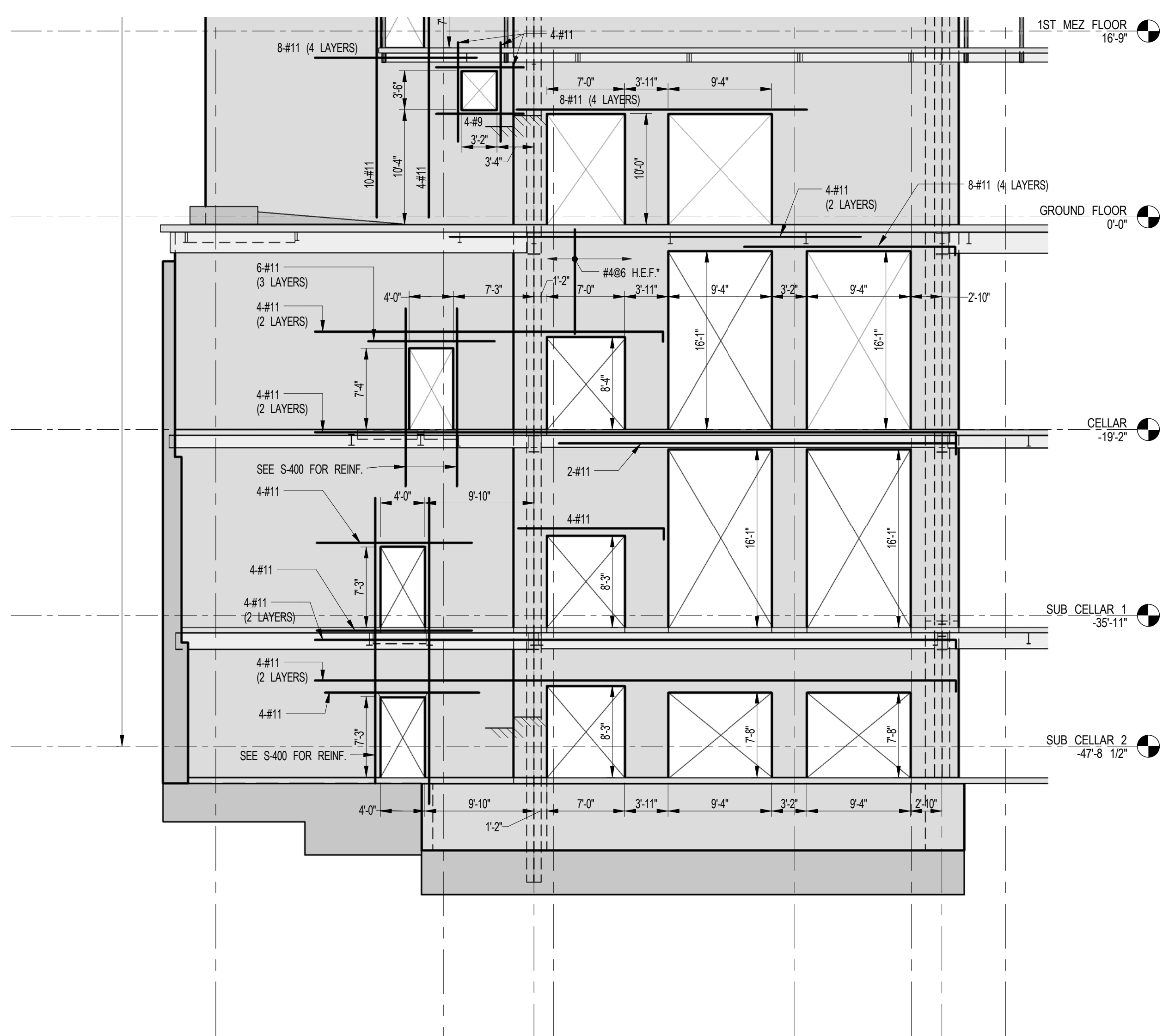
DOB EMPLOYEE STAMP:		DOB PAGE NO:
DOB P. SCAN:		

**Damian Titus**  
  
Buildings  
**APPROVED**  
Under Directive 2 of 1975  
**AMENDED APPLICATION**  
Date: 03/18/2015  
NYC Development Hub





1 SHEARWALL ELEVATION ALONG GL G  
FO-463 SCALE: 1/8" = 1'-0"



2 SHEARWALL ELEVATION ALONG GL G.4  
FO-463 SCALE: 1/8" = 1'-0"

KEY PLAN

PROJECT NORTH

TRUE NORTH

DEVELOPER:  
**EXTELL DEVELOPMENT COMPANY**  
805 THIRD AVENUE, 7TH FLOOR  
New York, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT: Base Building Shell & Core  
**ADRIAN SMITH + GORDON GILL ARCHITECTURE**  
111 WEST MONROE STREET SUITE 2300  
CHICAGO IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER: Residential  
**Rottet Architecture and Design Studio, PLLC**  
208 Fifth Ave, 7th Floor  
New York, NY 10001  
TEL: 646 989 7000 FAX:

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential  
**AJA ARCHITECTS, P.C.**  
401 Wellington St. W., 3rd Floor  
Toronto, ON M5V 1E7 Canada  
TEL: 416 967 1500 FAX: 416 967 7150

STRUCTURAL ENGINEERS:  
**WSP**  
228 EAST 45th Street  
New York, NY 10017 USA  
TEL: 212 687 9885 FAX: 646 487 5501

MEP ENGINEERS:  
**AKF GROUP**  
1501 Broadway  
New York, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS:  
**Langan Engineering & Environmental Services**  
21 Penn Plaza - 360 West 31st Street, 8th Floor  
New York, NY 10001-2722  
TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS:  
**Construction Consulting Associates**  
100 Church Street  
New York, NY 10007  
TEL: 212 385 1512 FAX: 212 385 1911

CURTAINWALL CONSULTANT:  
**AJLP Consulting**  
40 Worth Street, Suite 826  
New York, NY 10013  
TEL: 212 757 5559 FAX: 646 219 8508

LANDMARK/PRESERVATION CONSULTANT:  
**Jan Hird Pokorny Associates, Inc.**  
39 West 37th Street, 12A  
New York, NY 10018  
TEL: 212 759 6462 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	CD PROGRESS ISSUE 1	10-15-2014
2	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
3	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
4	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
5	DOB SUBMISSION	12-19-2014
6	DOB SUBMISSION	02-05-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT:  
**WSP**  
228 East 45th Street  
New York, NY 10017  
(212) 687-9885  
www.wspgroup.com/usa

PROJECT:  
**217 WEST 57TH STREET  
NEW YORK, NY**

DRAWING TITLE:  
**SHEARWALL ELEVATIONS ALONG  
GRIDLINES G & G.4**

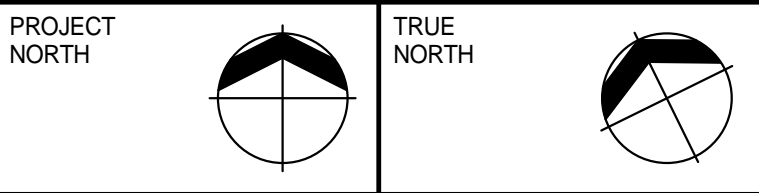
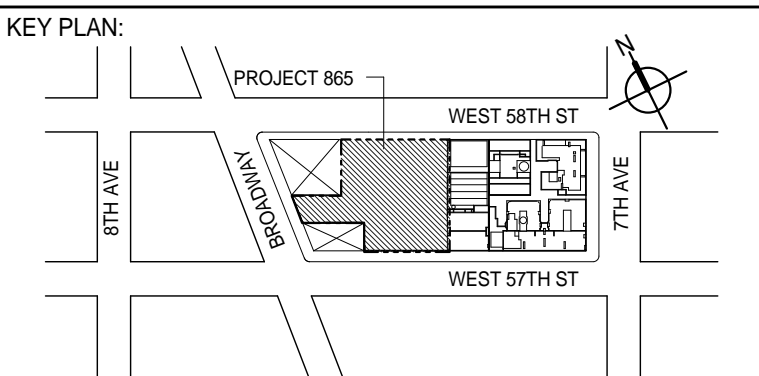
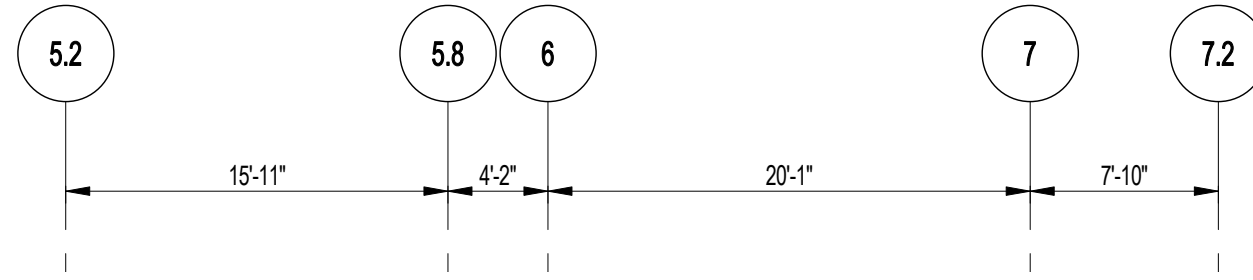
SEAL & SIGNATURE

DATE: XX-XX-XX  
PROJECT No: 2012185  
DRAWN: CADOT  
CHK: YE  
SCALE: 1/8" = 1'-0"  
DWG No:  
**FO-463.00**  
DOB PAGE No:  
DOB 5-SCAN:

**Damian Titus**  
Buildings Professional  
APPROVED  
Under Directive 2 of 1975  
Date: 03/18/2015  
NYC Development Hub

NOTES:  
1. FOR NOTES SEE DRAWING S-450.





DEVELOPER:  
**EXTELL DEVELOPMENT COMPANY**  
805 THIRD AVENUE, 7TH FLOOR  
New York, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT: Base Building Shell & Core  
**ADRIAN SMITH + GORDON GILL ARCHITECTURE**  
111 WEST MONROE STREET SUITE 2300  
CHICAGO IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER: Residential  
**Rottet Architecture and Design Studio, PLLC**  
238 Fifth Ave, 7th Floor  
New York, NY 10001  
TEL: 646 998 7000 FAX:

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential  
**AJA ARCHITECTS, P.C.**  
4011 Wellington St. W., 3rd Floor  
Toronto, ON M5V 1E7 Canada  
TEL: 416 967 1500 FAX: 416 967 7150

STRUCTURAL ENGINEERS:  
**WSP**  
228 EAST 45th Street  
New York, NY 10017 USA  
TEL: 212 687 9885 FAX: 646 487 5501

MEP ENGINEERS:  
**AKF GROUP**  
1501 Broadway  
New York, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS:  
**Langan Engineering & Environmental Services**  
21 Penn Plaza - 360 West 31st Street, 8th Floor  
New York, NY 10001-2722  
TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS:  
**Construction Consulting Associates**  
100 Church Street  
New York, NY 10007  
TEL: 212 385 1918 FAX: 212 385 1911

CURTAINWALL CONSULTANT:  
**AJLP Consulting**  
40 Worth Street, Suite 826  
New York, NY 10013  
TEL: 212 757 5550 FAX: 646 219 8508

LANDMARK/PRESERVATION CONSULTANT:  
**Jan Hird Pokorny Associates, Inc.**  
39 West 37th Street, 12A  
New York, NY 10018  
TEL: 212 759 6462 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	CD PROGRESS ISSUE 1	10-15-2014
2	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
3	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
4	DOB SUBMISSION	12-19-2014
5	DOB SUBMISSION	02-05-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

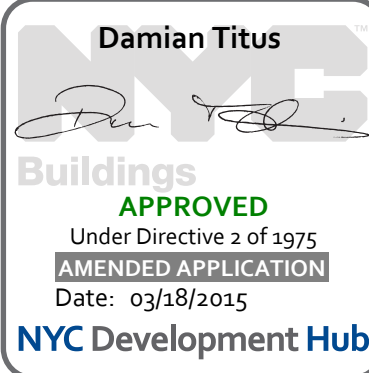
CONSULTANT:  
**WSP**  
228 East 45th Street  
New York, NY 10017  
(212) 687-9885  
www.wspgroup.com/usa

PROJECT:  
**217 WEST 57TH STREET**  
NEW YORK, NY

DRAWING TITLE:  
**SHEARWALL ELEVATIONS ALONG  
GRIDLINE A & F.5**

SEAL & SIGNATURE	DATE: XX-XX-XX	
	PROJECT No: 2012185	
	DRAWN: CADOD	REV: 5
	CHK: YE	SCALE: 1/8" = 1'-0"
	DWG No: <b>FO-466.00</b>	
DOB PAGE No:		




DOB EMPLOYEE STAMP: DOB S-SCAN:



**2** SHEARWALL EL. ALONG GL F.5  
FO-466 SCALE: 1/8" = 1'-0"



1. FIRST COLUMN DIMENSION SHOWN IN SCHEDULE IS IN THE EAST-WEST DIRECTION.
2. LOADS ON FOUNDATIONS ARE SERVICE LOADS IN KIPS.
3. LOADS ARE GIVEN IN KIPS, AND ARE ULTIMATE LOADS U.O.N.
4. CONCRETE STRENGTH REQUIRED FOR ALL COLUMN SCHEDULES.
5. COLUMN SIZES AND REINFORCEMENT ARE SHOWN ONLY WHERE SIZES START AND STOP. BLANK SPACES IN BETWEEN INDICATE SAME SIZE AS INDICATED ABOVE AND BELOW.
6. HEAVY LINE AT TOP INDICATES TOP OF COLUMN.
7. FOR GENERAL NOTES SEE DWG. PG-001
8. FOR SHEARWALL DETAILS SEE DRAWING S-430.
9. FOR COLUMN AND REINFORCING DETAILS SEE DRAWING S-513.
10. BUTTRESS INDICATED AS "B" IN COLUMN SCHEDULE
11. ALL #1 REINFORCEMENT SHALL BE ASTM A615 GR.75 (Fy=75ksi)

12. \* INDICATES TENSION SPLICE REBARS. SEE DETAIL ON S-513.
13.  INDICATE SHEARWALLS.
14.  INDICATES COLUMN BEING PICKED UP BY BEAM OR SLAB.
15.  INDICATES CHANGES IN HELD FACE OF COLUMN.
16.  INDICATES ADDITIONAL LOAD FROM PICK-UP BEAM OR SLAB.



No.	DESCRIPTION	DATE
1	SUPERSTRUCTURE CONCRETE BID	06-02-2014
2	DESIGN DEVELOPMENT	07-01-2014
3	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
4	CD PROGRESS ISSUE 1	10-15-2014
5	ISSUED FOR CONSTRUCTION UP TO 5TH FL ONLY	11-07-2014
6	DOB SUBMISSION	12-19-2014
7	DOB SUBMISSION	02-05-2015

[illegible]

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL

CONSULTANT



PROJECT:

**217 WEST 57TH STREET**  
**NEW YORK, NY**

DRAWING TITLE

## CONCRETE COLUMN SCHEDULE 1

SEAL &amp; SIGNATURE

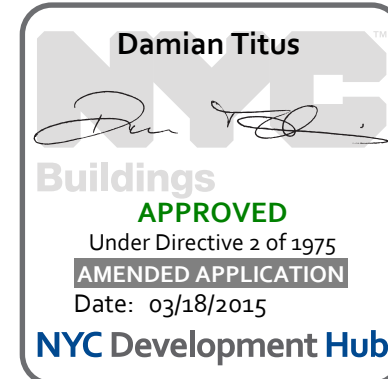
DATE:	03/31/14
PROJECT No:	2012185

DRAWN: CADD	REV:
CHK: Y.E.	<b>7</b>

SCALE: AS INDICATED

DWG No:  
**FO-510.00**

DOB PAGE No:	of
	DOB B-SCAN:



# COLUMN SCHEDULE 1A

	COL. NO.	13	14	15	54
FLOOR					

1	$17^{\circ}-5^{\circ}$	14716			
		$30^{\circ} \times 7/2$			
CELLAR	$16^{\circ}-11^{\circ}$	14073			
		$37^{\circ}-31^{\circ}$			
SUB-CELLAR 1	$16^{\circ}-5^{\circ}$	15222			
SUB-CELLAR 2	$11^{\circ}-9^{\circ}$	15450			
SUB-CELLAR 3	$11^{\circ}-9^{\circ}$	15679			
		$35^{\circ} \times 7/2$			
		$37^{\circ}-31^{\circ}$			
FLOOR					
	COL. NO.	13	14	15	54

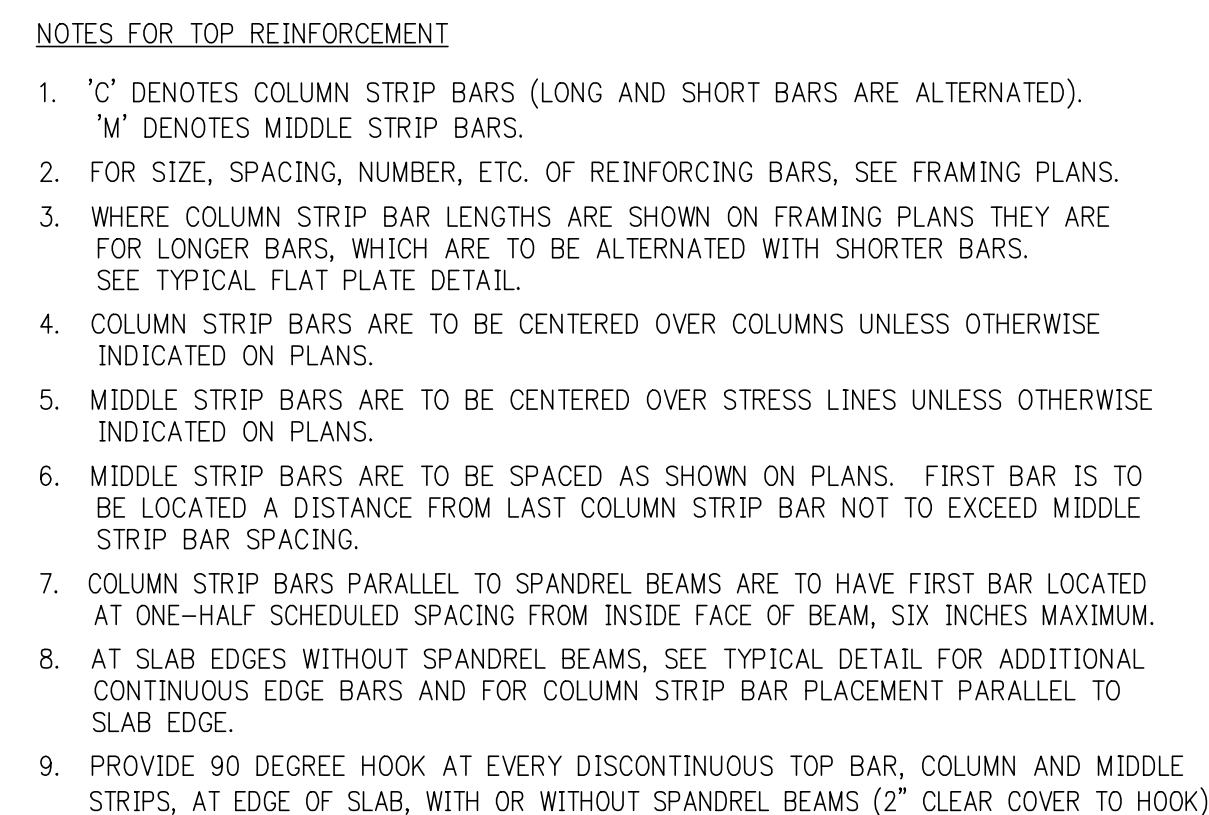




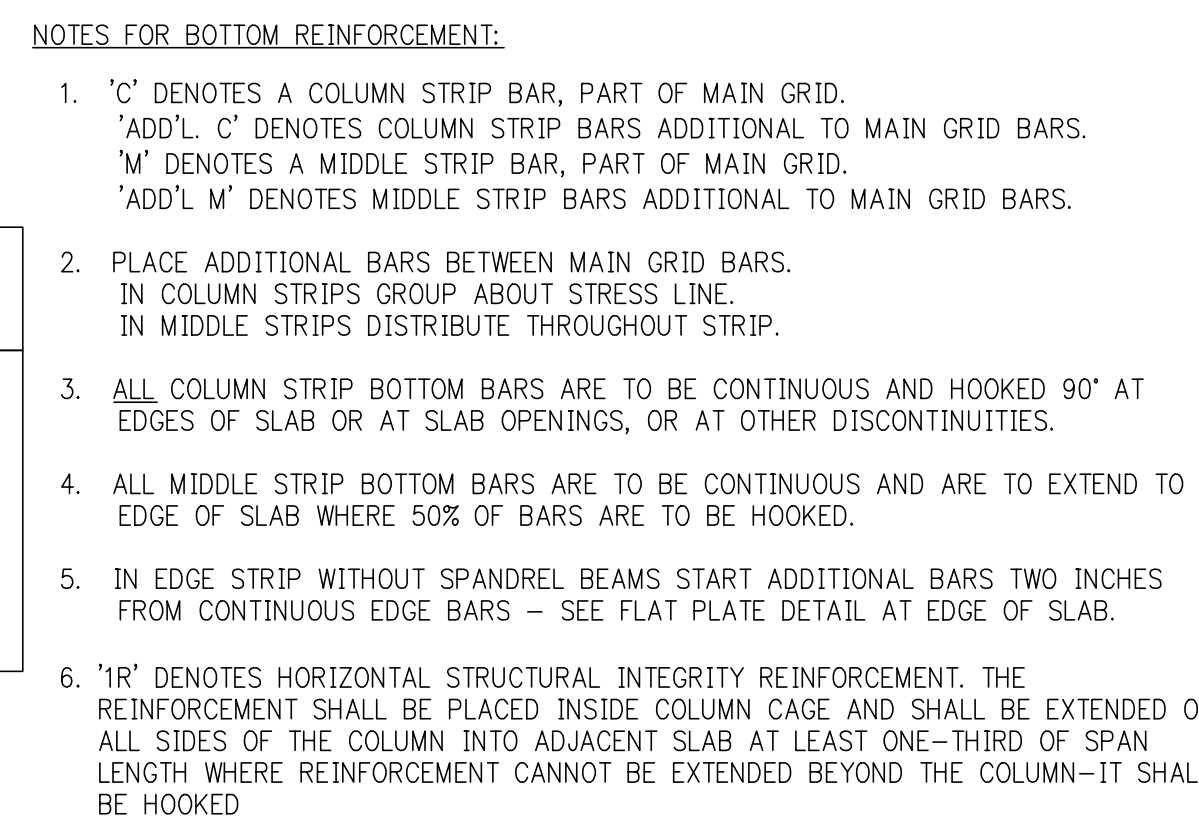




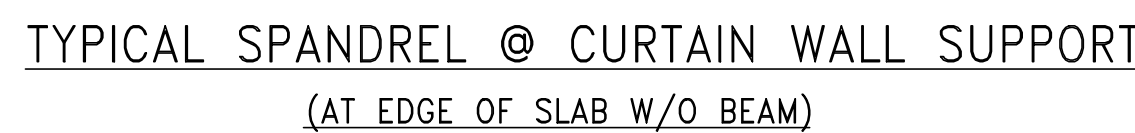
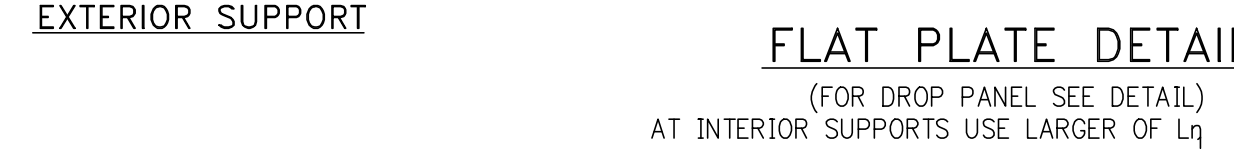




BAR LENGTH EXTENSIONS REQUIRED AT EPOXY COATED REINFORCEMENT (WHERE SPECIFIED ON PLANS)	
1.	TO REINFORCING BAR LENGTHS SHOWN ON PLAN OR AS DETERMINED FROM TYPICAL DETAILS, ADD AN ADDITIONAL LENGTH AT EACH END (EXCEPT AT HOOKED BARS) EQUAL TO 50% OF BAR DEVELOPMENT LENGTH (SEE TABLE #2)
2.	DEVELOPMENT LENGTHS AND LAP SPICE LENGTHS SHOWN ARE TO BE INCREASED, IN CONFORMANCE WITH TABLES 1 & 2 IN TYPICAL DETAILS FOR REINFORCEMENT DEVELOPMENT AND SPICE LENGTHS, OVER VALUES FOR UNCOATED BARS.



BAR LENGTH EXTENSIONS REQUIRED AT EPOXY COATED REINFORCEMENT (WHERE SPECIFIED ON PLANS)	
1.	TO REINFORCING BAR LENGTHS SHOWN ON PLAN OR AS DETERMINED FROM TYPICAL DETAILS, ADD AN ADDITIONAL LENGTH AT EACH END (EXCEPT AT HOOKED BARS) EQUAL TO 50% OF BAR DEVELOPMENT LENGTH (SEE TABLE #2)
2.	DEVELOPMENT LENGTHS AND LAP SPICE LENGTHS SHOWN ARE TO BE INCREASED, IN CONFORMANCE WITH TABLES 1 & 2 IN TYPICAL DETAILS FOR REINFORCEMENT DEVELOPMENT AND SPICE LENGTHS, OVER VALUES FOR UNCOATED BARS.



NOTE:  
THIS CONNECTION IS APPLICABLE BETWEEN COLUMNS  
CONNECTION MUST BE CHECK BY E.O.R AT ALL COLUMN LOCATION



MINIMUM TEMPERATURE REINFORCEMENT (BOTTOM) ONE WAY SLABS	
SLAB THICKNESS	MIN. TEMPERATURE REINFORCEMENT
UP TO 6"	#4@8
6"+ TO 7"	#4@6
7"+ TO 8"	#4@4
8"+ TO 9"	#4@12
9"+ TO 10"	#4@10 OR #5@15
10"+ TO 12"	#4@9 OR #5@14
12"+ TO 14"	#4@8 OR #5@12
14"+ TO 16"	#5@10
OVER 16"	BY DESIGNER



NOTES:

1. IN CONFORMANCE WITH 1013 OF ACP 318-89 (1015 IN 2002 CODE), USE THE HIGHER OF THE FOLLOWING SPECIFIED STRENGTHS IN COLUMNS/WALLS IS GREATER THAN 1.4 TIMES THAT SPECIFIED FOR THE FLOOR SYSTEM.
2. CAP SHALL BE NORMAL-WEIGHT STONE CONCRETE, EQUAL IN STRENGTH TO THAT SPECIFIED FOR THE COLUMN/WALL. CAP SHALL EXTEND BEYOND COLUMN/WALL AND ALL REINFORCING BARS SHALL BE LAPPED AND DEVELOPED TO THE FULL LENGTH.
3. CAP CONCRETE SHALL NOT BE PLACED OVER THE COLUMN/WALL UNTIL COLUMN/WALL CONCRETE IS NO LONGER PLASTIC, BUT IN A CASE LESS THAN TWO HOURS AFTER COLUMN/WALL CONCRETE PLACEMENT, IT SHALL BE COMPLETELY SET.
4. THE BALANCE OF CONCRETE IN SLAB AND BEAMS SHALL BE PLACED WHILE CAP CONCRETE IS STILL IN A WORKABLE PLASTIC CONDITION, BEFORE INITIAL SET. RETEMPERING OF CONCRETE WILL NOT BE PERMITTED.
5. LEVEL OF FINISH OF THE TOP OF THE CONCRETE WITHIN THE SAME FLOOR SYSTEM, THE CONTRACTOR MAY ELECT (AT NO ADDITIONAL COST TO THE OWNER) TO PLACE ONE STRENGTH THROUGHOUT THE ENTIRE FLOOR. THE MINIMUM STRENGTH SHALL BE 4,000 PSI. WHEN THE CONTRACTOR ELECTS TO USE DIFFERENT STRENGTH OF CONCRETE IN THE COLUMNS/WALLS, UP TO 10,000 PSI, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING DETAILS:
6. WHEN COLUMN/WALL CONCRETE STRENGTH EXCEEDS 10,000 PSI, THE CAP DETAILS SHOWN ABOVE MUST BE FOLLOWED, USING CAPS OF SAME CONCRETE STRENGTH AS IN COLUMNS/WALLS, AND THE STRENGTH SPECIFIED ON THE DRAWINGS FOR THE FLOOR SYSTEM SHALL BE MAINTAINED.



**NOTE:**  
ADDITIONAL TOP OR BOTTOM BARS ARE NOTED ON PLAN WITH AN ASTERISK \*



NOTE:

1. FOR PAD EXTENT AND LOCATION SEE ARCH. & MECH. DWG
2. ANCHORAGE & PAD REINF. SHALL BE DESIGNED BY CONTRACTOR'S P.E.



DEVELOPER: **EXTELL DEVELOPMENT COMPANY**  
805 THIRD AVENUE, 7TH FLOOR  
New York, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT: Base Building Shell & Core  
**ADRIAN SMITH + GORDON GILL ARCHITECTURE**  
111 WEST MONROE STREET SUITE 2300  
CHICAGO IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER: Residential  
**Rottet Architecture and Design Studio, PLLC**  
298 Fifth Ave., 7th Floor  
New York, NY 10001  
TEL: 646 998 7000 FAX:

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential  
**AAI ARCHITECTS, P.C.**  
 401 Wellington St. W., 3rd Floor  
 Toronto, ON M5V 1E7 Canada  
 TEL: 416 967 1500 FAX: 416 967 7150

STRUCTURAL ENGINEERS:  
**WSP**  
228 EAST 45th Street  
New York, NY 10017 USA  
TEL: 212 687 9888 FAX: 646 487 5501

MEP ENGINEERS:

**AKF GROUP**  
1501 Broadway  
New York, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5668

**GEOTECHNICAL ENGINEERS:**  
**Langan Engineering & Environmental Services**  
21 Penn Plaza - 360 West 31st Street, 8th Floor  
New York, NY 10001-2727  
TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS:  
**Construction Consulting Associates**  
100 Church Street  
New York, NY 10007  
TEL: 212 385 1818 FAX: 212 385 1911

CURTAINWALL CONSULTANT:  
**AJLP Consulting**  
40 Worth Street, Suite 826  
New York, NY 10013  
TEL: 212 757 5659 FAX: 646 219 8508

LANDMARK/PERFORMANCE CONSULTANT:		
<b>Jan Hind Pokorny Associates, Inc.</b> 38 West 37th Street, 12A New York, NY 10018 TEL: 212 759 6462 FAX: 212 759 6540		
No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	STEEL BID PACKAGE	05-22-2014
4	SUPERSTRUCTURE CONCRETE BID	06-02-2014
5	DESIGN DEVELOPMENT	07-01-2014
6	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
7	CD PROGRESS ISSUE 1	10-15-2014
8	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
9	DOB SUBMISSION	12-19-2014
10	DOB SUBMISSION	02-05-2015

[illegible]

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

**CONSULTANT:**

 **WSP**

228 East 45th Street  
New York, NY 10017  
(212) 687-9888  
[www.wspgroup.com/us](http://www.wspgroup.com/us)


PROJECT:


**217 WEST 57TH STREET**  
**NEW YORK, NY**

DRAWING TITLE:


TYPICAL

CONCRETE DETAILS 2

<b>SEAL &amp; SIGNATURE:</b> 	<b>DATE:</b>		03/31/
	<b>PROJECT No:</b>		2012
	<b>DRAWN: CADD</b>	<b>REV:</b>	



CHK:	Y.E.	10
SCALE:	AS INDICATED	
DWG No:		EO-621.00

	DOB PAGE No:      of	
	DOB EMPLOYEE STAMP:	DOB B-SCAN

**Damian Titus**



**Buildings**

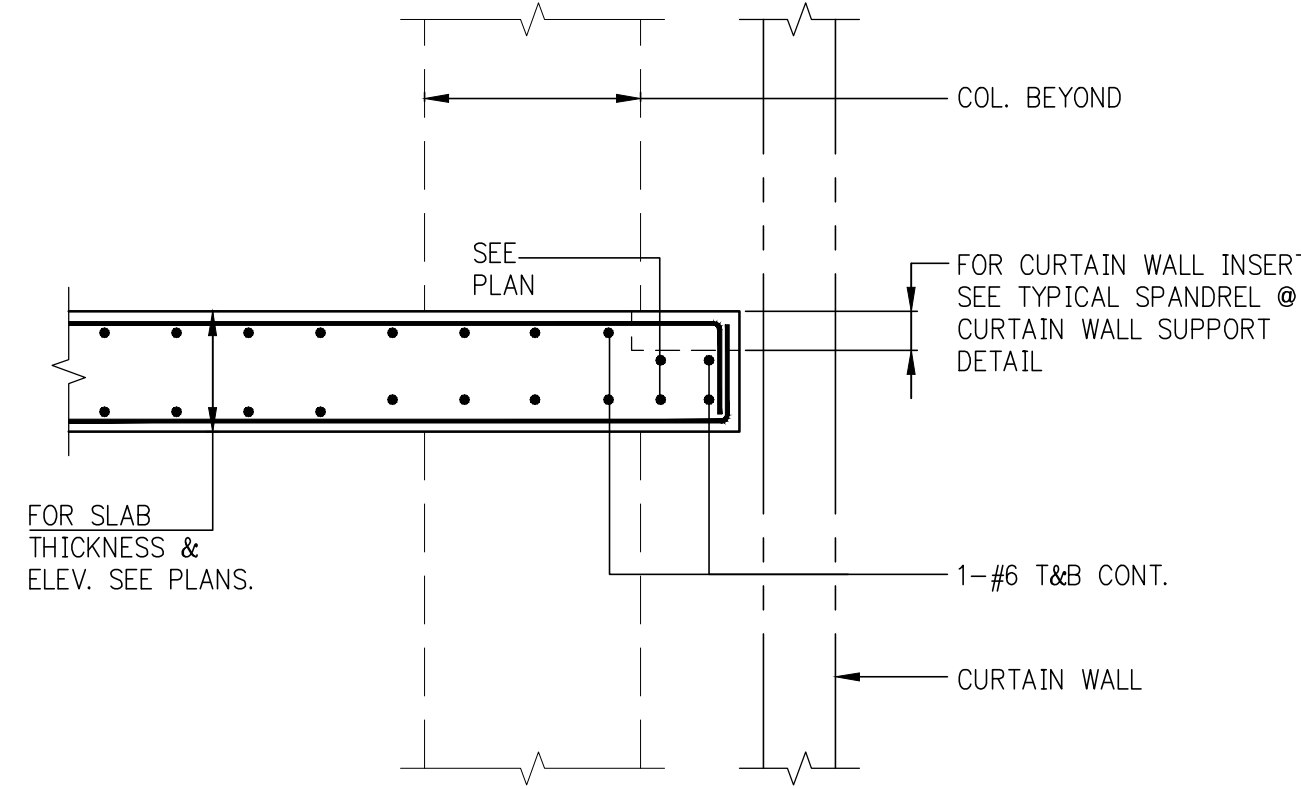
**APPROVED**  
Under Directive 2 of 1975  
**AMENDED APPLICATION**  
Date: 03/18/2015

NYC Development Hub

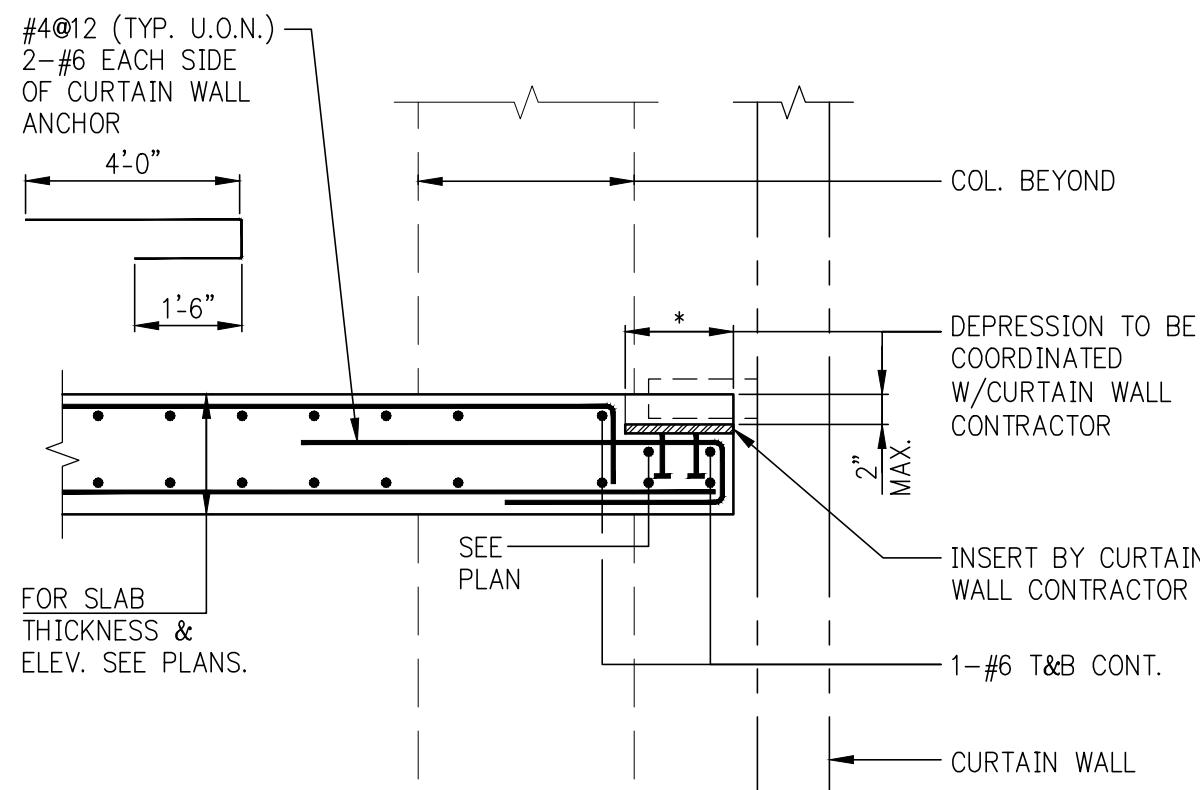






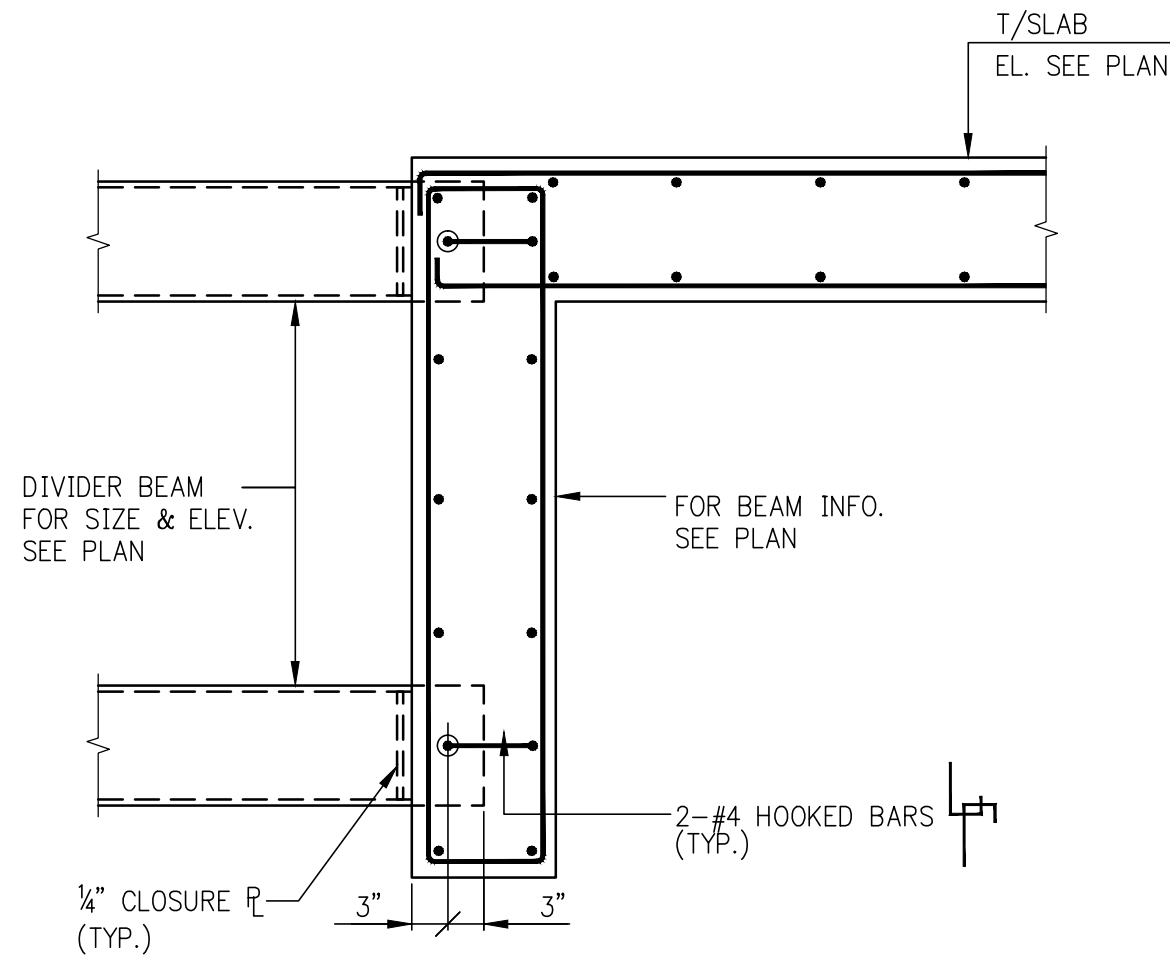


TYPICAL SPANDREL @ EDGE OF SLAB

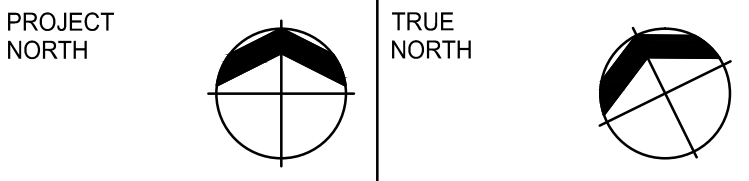
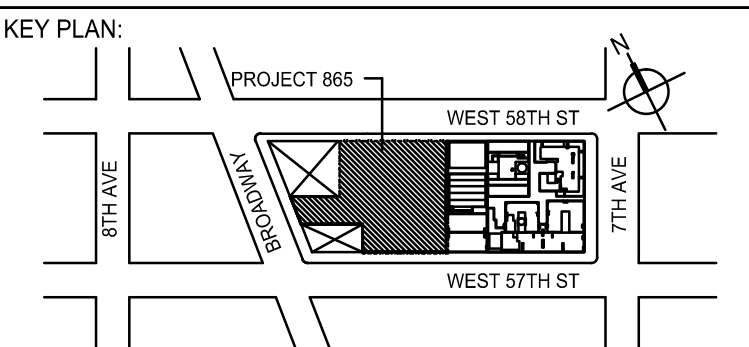


TYPICAL SPANDREL @ CURTAIN WALL SUPPORT  
(AT EDGE OF SLAB W/O BEAM)

NOTE:  
1. THIS CONNECTION IS APPLICABLE BETWEEN COLUMNS  
2. CONNECTION MUST BE CHECKED BY E.O.R AT ALL COLUMN LOCATIONS.



TYPICAL ELEVATOR DIVIDER BEAM CONNECTION



DEVELOPER:  
**EXTELL DEVELOPMENT COMPANY**  
805 THIRD AVENUE, 7TH FLOOR  
New York, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT: Base Building Shell & Core  
**ADRIAN SMITH + GORDON GILL ARCHITECTURE**  
111 WEST MONROE STREET SUITE 2300  
CHICAGO IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER: Residential  
**Rottet Architecture and Design Studio, PLLC**  
236 Fifth Ave, 7th Floor  
New York, NY 10001  
TEL: 646 998 7000 FAX:

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential  
**AAI ARCHITECTS, P.C.**  
401 Wellington St. W., 3rd Floor  
Toronto, ON M5V 1E7 Canada  
TEL: 416 967 1500 FAX: 416 967 7150

STRUCTURAL ENGINEERS:  
**WSP**  
228 East 45th Street  
New York, NY 10017 USA  
TEL: 212 687 8888 FAX: 646 487 5501

MEP ENGINEERS:  
**AKF GROUP**  
1501 Broadway  
New York, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS:  
**Langan Engineering & Environmental Services**  
21 Penn Plaza - 380 West 31st Street, 8th Floor  
New York, NY 10001-2727  
TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS:  
**Construction Consulting Associates**  
100 Church Street  
New York, NY 10007  
TEL: 212 385 1818 FAX: 212 385 1911

CURTAINWALL CONSULTANT:  
**A.J.P Consulting**  
40 Worth Street, Suite 826  
New York, NY 10013  
TEL: 212 757 5659 FAX: 646 219 8508

LANDMARK/PRESERVATION CONSULTANT:  
**Jan Hird Pokorny Associates, Inc.**  
39 West 37th Street, 12A  
New York, NY 10018  
TEL: 212 759 6462 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	CD PROGRESS ISSUE 1	10-15-2014
2	ISSUED FOR CONSTRUCTION UP TO 5TH FL ONLY	11-07-2014
3	DOB SUBMISSION	12-19-2014
4	DOB SUBMISSION	02-05-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

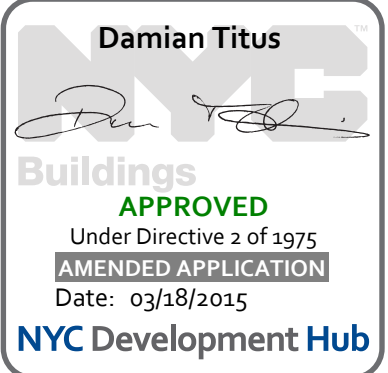
CONSULTANT:  
**WSP**  
228 East 45th Street  
New York, NY 10017  
(212) 687-8888  
www.wspgroup.com/usa

PROJECT:  
**217 WEST 57TH STREET  
NEW YORK, NY**

DRAWING TITLE:  
**TYPICAL  
CONCRETE DETAILS 4**

SEAL & SIGNATURE: 	DATE: 10/15/2014 PROJECT No: 20121185 DRAWN: CADD CHK: Y. E. SCALE: AS INDICATED DWG No: <b>FO-623.00</b>	REV: <b>4</b>
-----------------------	--	---------------

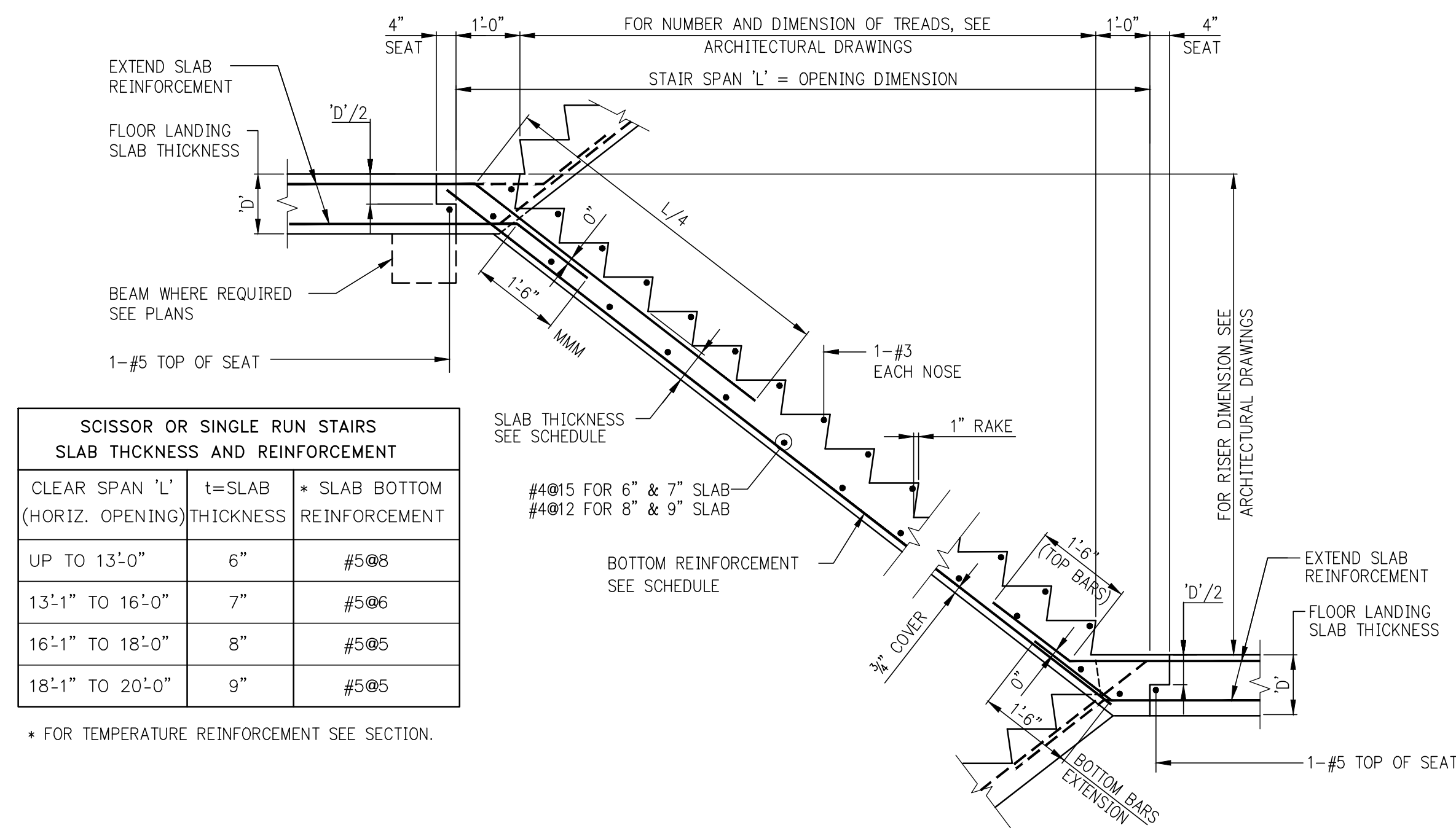
DOB EMPLOYEE STAMP: of DOB 9-SCAN:



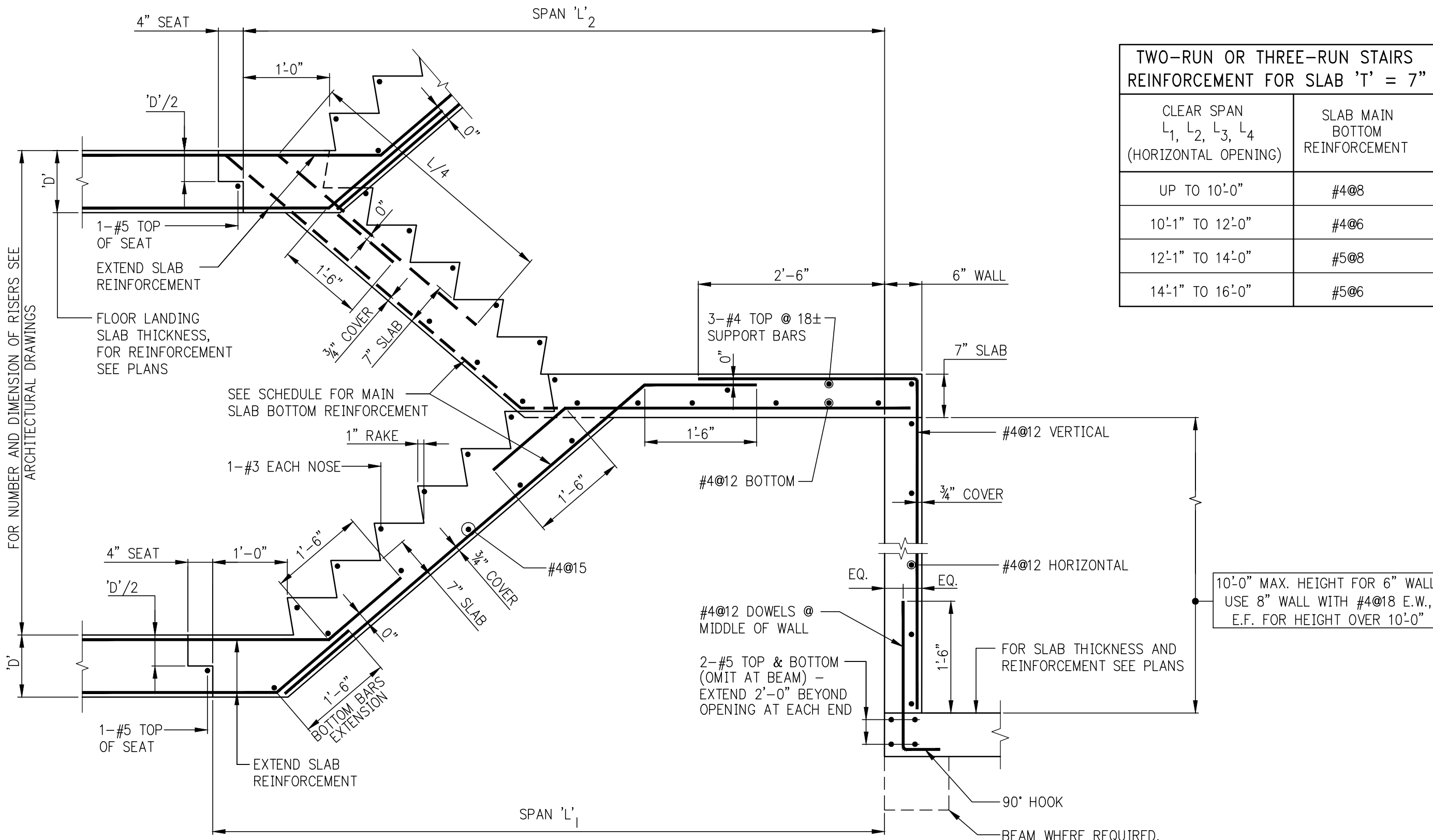




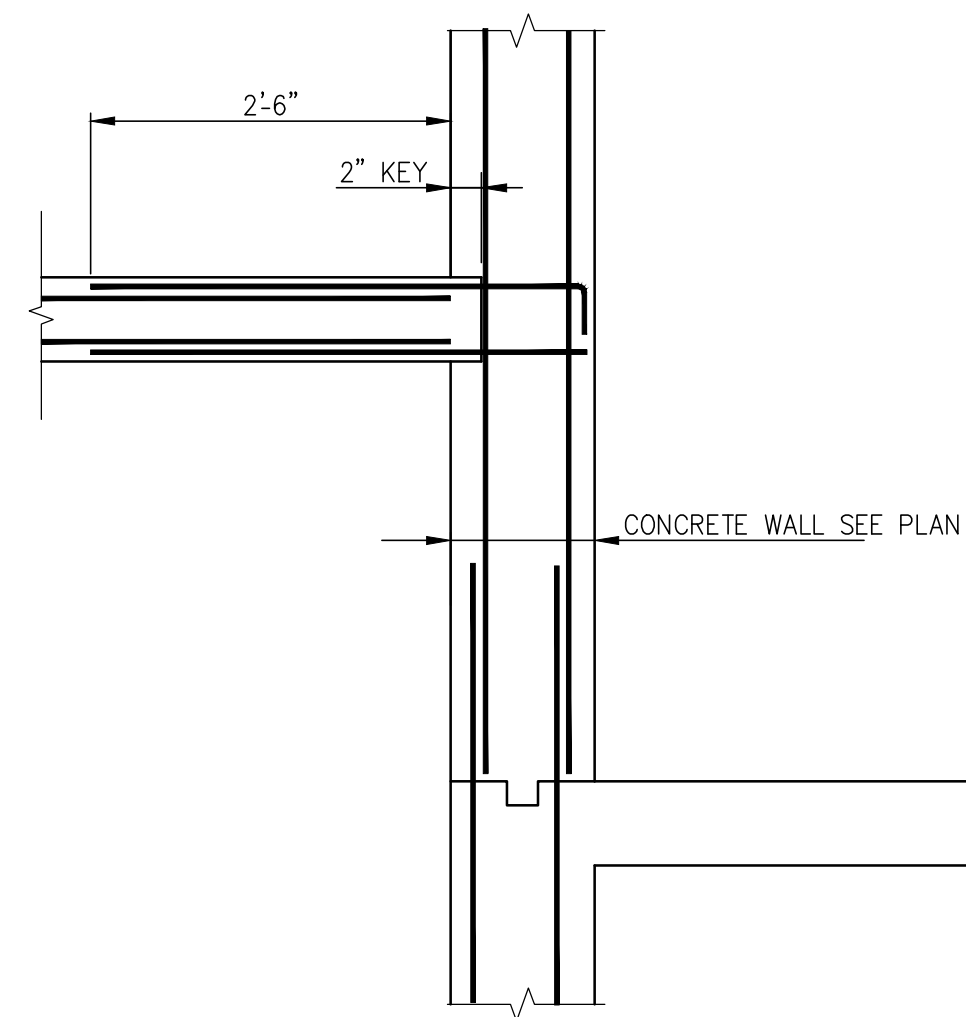




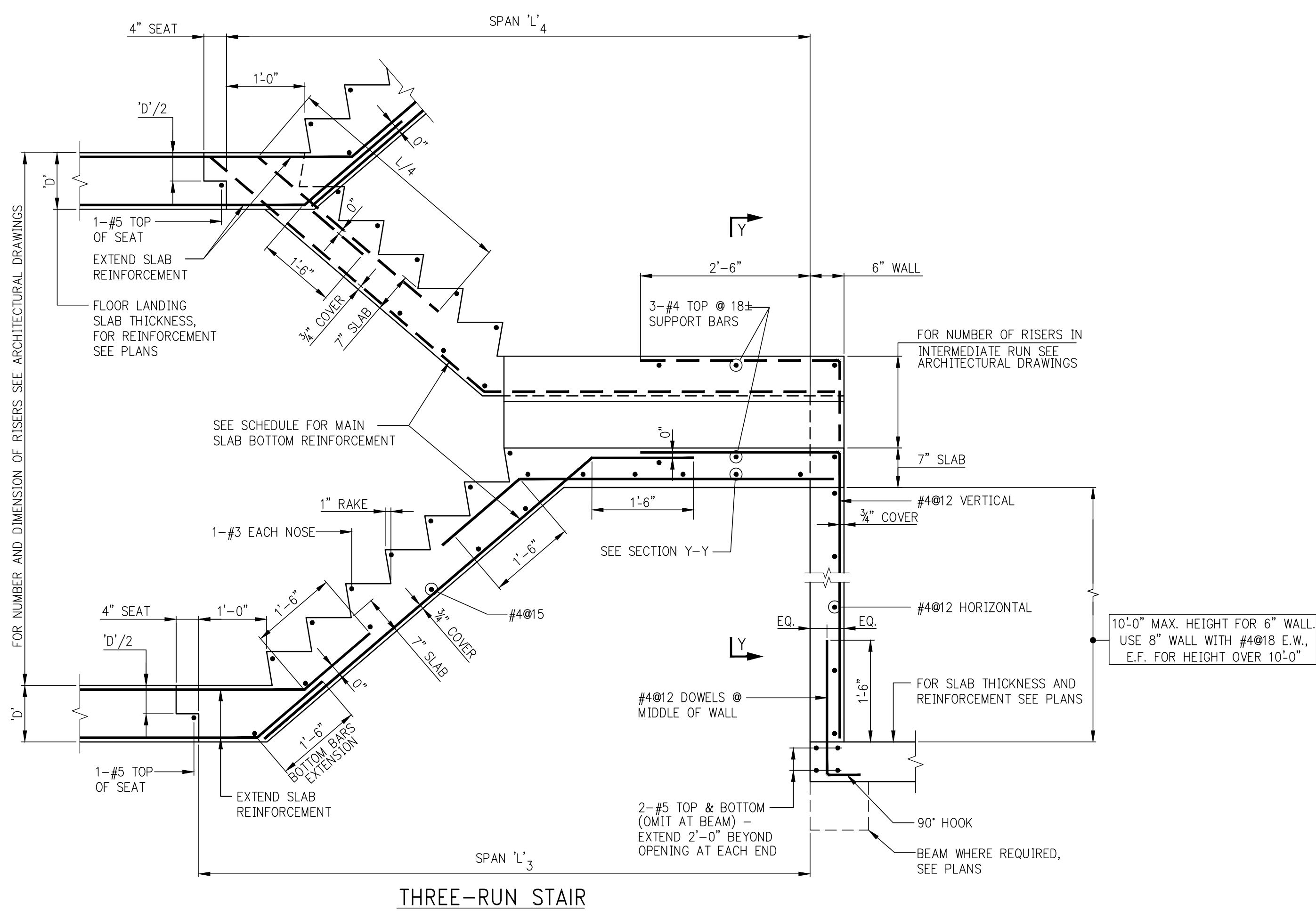
SCISSOR OR SINGLE RUN STAIR  
FOR FLOOR REINFORCEMENT EXTENDED INTO STAIR  
SLAB, SEE FRAMING PLANS.



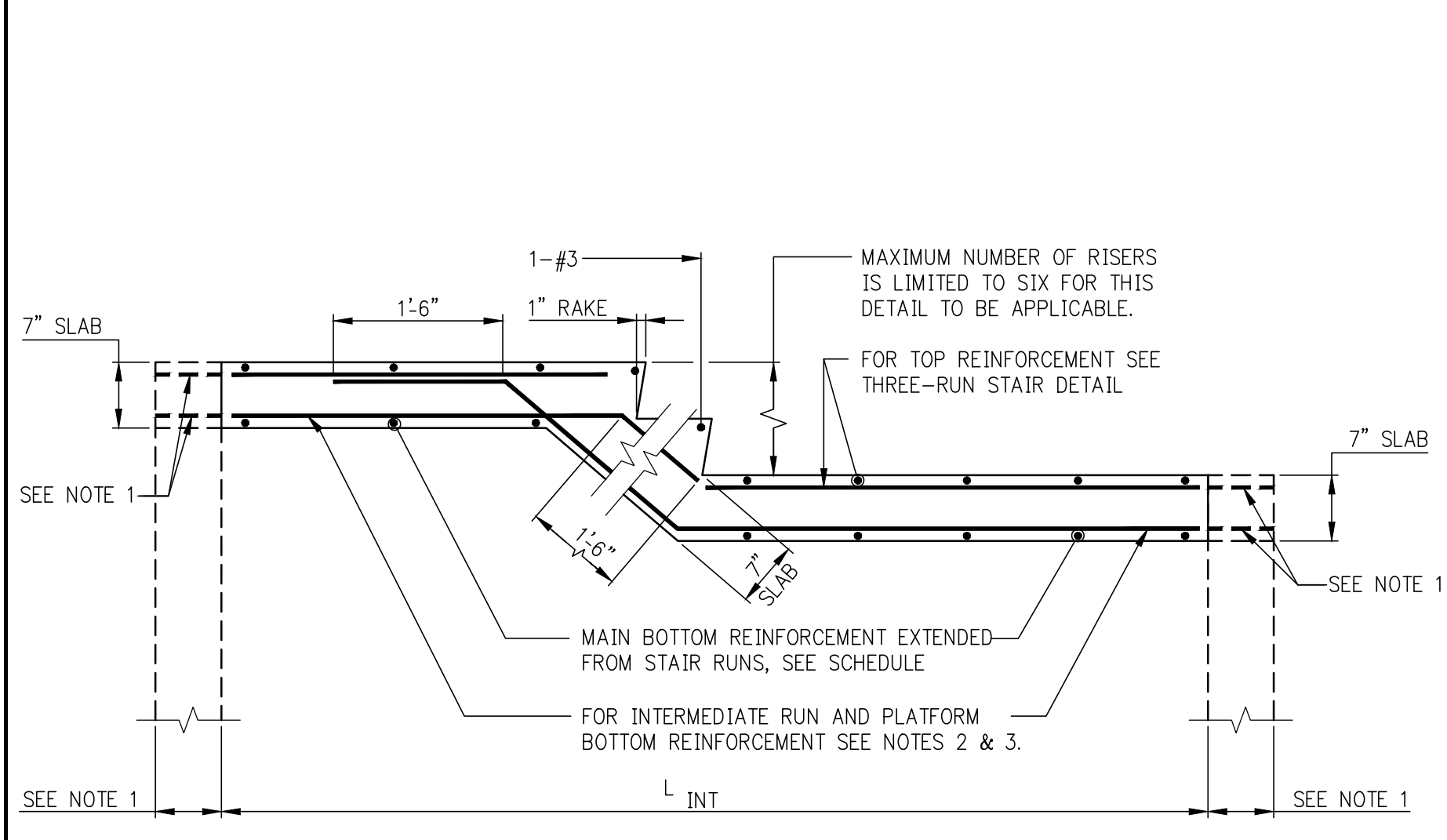
TWO-RUN STAIR



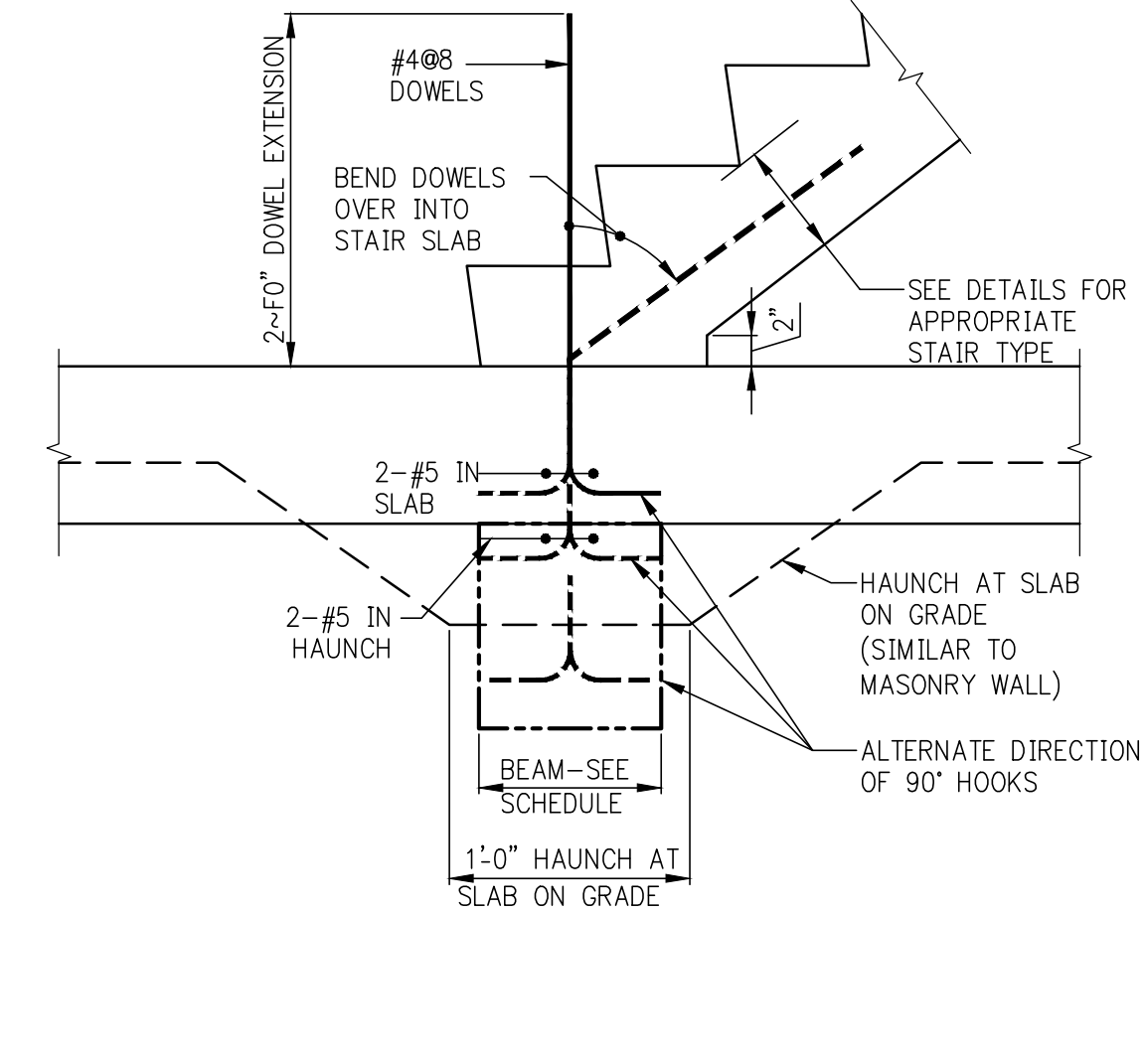
STAIR LANDING @ WALL



THREE-RUN STAIR

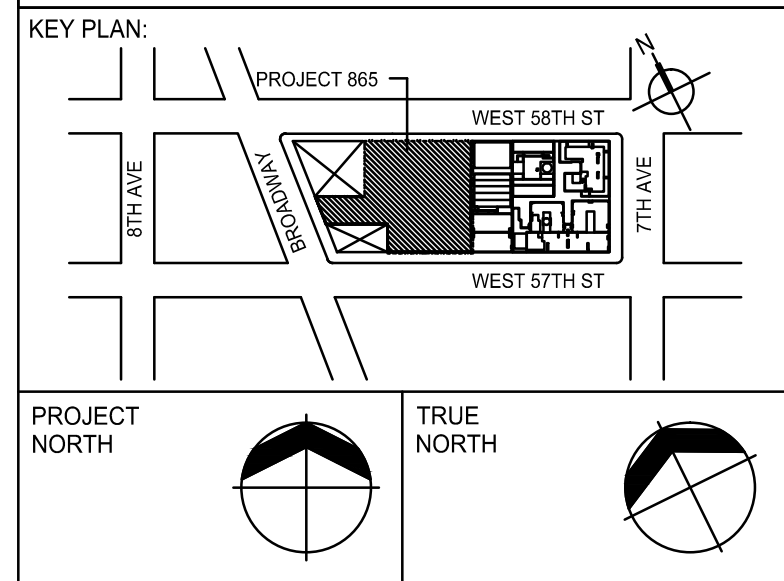


SECTION Y-Y  
(AT THREE-RUN STAIR)



BOTTOM OF STAIR-NO SLAB OPENING

NOTES:  
1. EXTEND SLAB AND REINFORCEMENT OVER SUPPORT WALLS WHERE WALLS ARE SHOWN ON PLANS.  
2. WHERE 'L' IS NOT SUPPORTED AT ENDS, PROVIDE: #4@12 BOTTOM.  
3. WHERE 'L' IS SUPPORTED, PROVIDE: #4@8 FOR 'L' UP TO 10'-0". #4@6 FOR 'L' BETWEEN 10'-1" AND 12'-0". FOR 'L' SPANNING MORE THAN 12'-0", DESIGNER TO PROVIDE DETAILS.



DEVELOPER: **EXTELL DEVELOPMENT COMPANY**  
805 THIRD AVENUE, 7TH FLOOR  
NEW YORK, NY 10022 USA  
TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT: **Base Building Shell & Core**  
**ADRIAN SMITH + GORDON GILL ARCHITECTURE**  
111 WEST MONROE STREET SUITE 2300  
CHICAGO IL 60603  
TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER: **Residential**  
**Rotter Architecture and Design Studio, PLLC**  
238 Fifth Ave, 7th Floor  
New York, NY 10001  
TEL: 646 998 7000 FAX:

ARCHITECT OF RECORD: **Base Building Shell, Core, & Residential**  
**AAI ARCHITECTS, P.C.**  
401 Wellington St., 3rd Floor  
Toronto, ON M5V 1E7 Canada  
TEL: 416 967 1500 FAX: 416 967 7150

STRUCTURAL ENGINEERS: **WSP**  
228 East 45th Street  
New York, NY 10017 USA  
TEL: 212 687 8888 FAX: 646 487 5501

MEP ENGINEERS: **AKF GROUP**  
1501 Broadway  
New York, NY 10036 USA  
TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS: **Langan Engineering & Environmental Services**  
21 Penn Plaza - 380 West 31st Street, 8th Floor  
New York, NY 10001-2727  
TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS: **Construction Consulting Associates**  
100 Church Street  
New York, NY 10007  
TEL: 212 385 1818 FAX: 212 385 1911

CURTAINWALL CONSULTANT: **A.J.P. Consulting**  
40 Worth Street, Suite 805  
New York, NY 10013  
TEL: 212 757 8559 FAX: 646 219 8508

LANDMARK/PRESERVATION CONSULTANT: **Jan Hird Pokorny Associates, Inc.**  
39 West 37th Street, 12A  
New York, NY 10018  
TEL: 212 759 6462 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	STEEL BID PACKAGE	06-22-2014
4	SUPERSTRUCTURE CONCRETE BID	06-22-2014
5	DESIGN DEVELOPMENT	07-01-2014
6	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
7	CD PROGRESS ISSUE 1	10-15-2014
8	ISSUED FOR CONSTRUCTION UP TO GROUND FL ONLY	10-17-2014
9	ISSUED FOR CONSTRUCTION UP TO 5TH FL ONLY	11-07-2014
10	DOB SUBMISSION	12-19-2014
11	DOB SUBMISSION	02-05-2015

Discrepancies must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used. Contractors must check all dimensions on site. This drawing is protected by copyright.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT: **WSP**  
228 East 45th Street  
New York, NY 10017  
(212) 687-8888  
www.wspgroup.com/usa

PROJECT: **217 WEST 57TH STREET**  
NEW YORK, NY

DRAWING TITLE: **TYPICAL STAIR DETAILS**

SEAL & SIGNATURE	DATE: 03/31/14
	PROJECT No: 2012185
	DRAWN: CADDO REV: 11
	CHK: Y.E. SCALE: AS INDICATED
	DWG No: <b>FO-800.00</b>

DOB PAGE No: of

DOB EMPLOYEE STAMP: of

