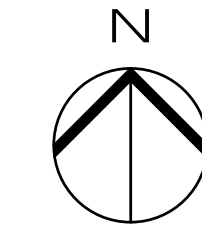


KEY PLAN



14	06/02/2017	DOS SUBMISSION
13	04/14/2017	ISSUE FOR CONSTRUCTION
12	10/02/2016	80% CD
11	10/02/2016	80% CD UPDATED SET
10	09/02/2016	80% CD
9	06/10/2016	SUPERSTRUCTURE HANGAR SET - REV 1
8	04/15/2016	SUPERSTRUCTURE HANGAR SET
7	08/04/2015	DOS SUBMISSION
6	08/04/2015	FOUNDATION SET
5	07/01/2015	DOS SUBMISSION
4	07/01/2015	100% SD
3	07/01/2015	100% SD
2	08/02/2015	100% SD
1	12/17/2015	100% SD

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHAWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
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475 Tenth Avenue
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Tel: (212) 967-6560

STRUCTURAL ENGINEER:
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CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
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Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOS STAMPS & SIGNATURES:

Victor Daza
EIT
APPROVED
Under Directive of WSP
NY State Registration
Date: 07/03/2015
NYC Development Hub

DWG TITLE:
CELLAR LEVEL FRAMING PLAN
(C2 LEVEL FOR OVERALL SITE)
NB#XXXXXXXX

SCALE: AS NOTED
DATE: 07/03/2015
PROJECT # 189104
SCALE: AS NOTED
S-001.01
DWG NO.



Number:	Date:	Revision:
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PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:

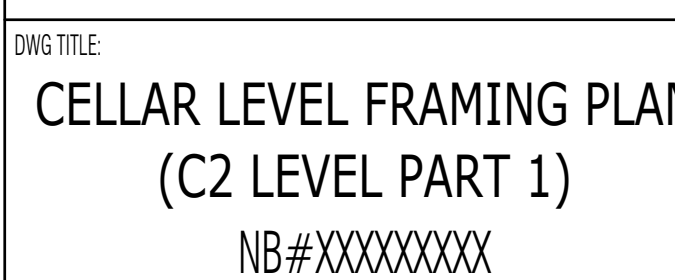
DESIGN ARCHITECT:

RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6060

STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:



SEAL & SIGNATURE:	
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DATE: 07/31/2015

PROJECT #: 1490104

SCALE: 3/6" = 1'-0"

SECRET 5/0 - 10

S-002 01

PROFESSIONAL

5 002.01

EXAM NO.

	DWG NO.

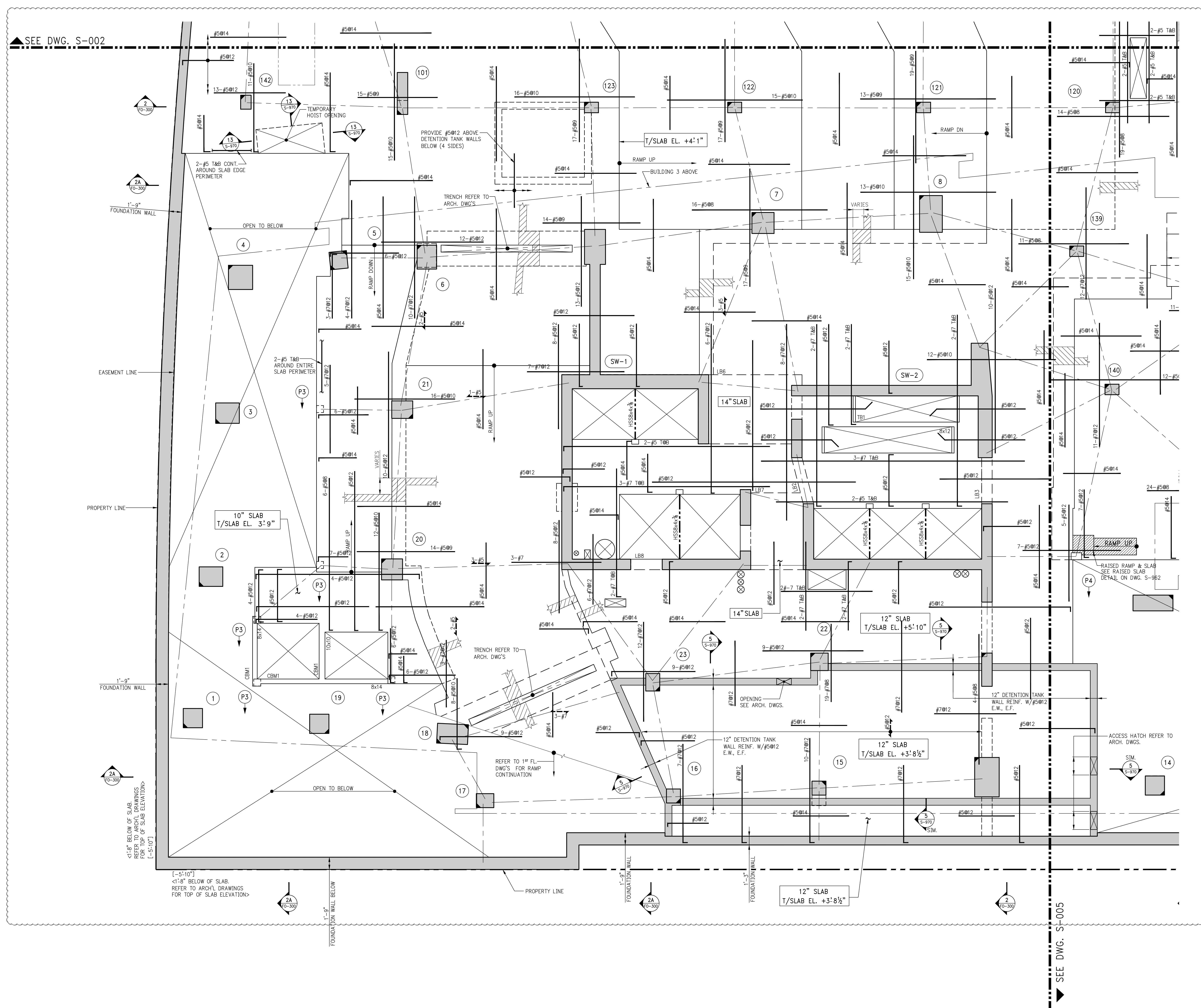
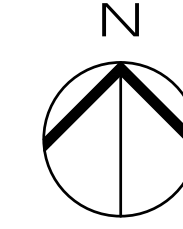
1
5-002

CELLAR LEVEL FRAMING PLAN (C2 LEVEL PART 1)

SCALE: $\frac{1}{8}'' = 1'-0''$

NOTE:
1. FOR BALANCE OF INFORMATION SEE CORRESPONDING OVERALL FRAMING PLAN.

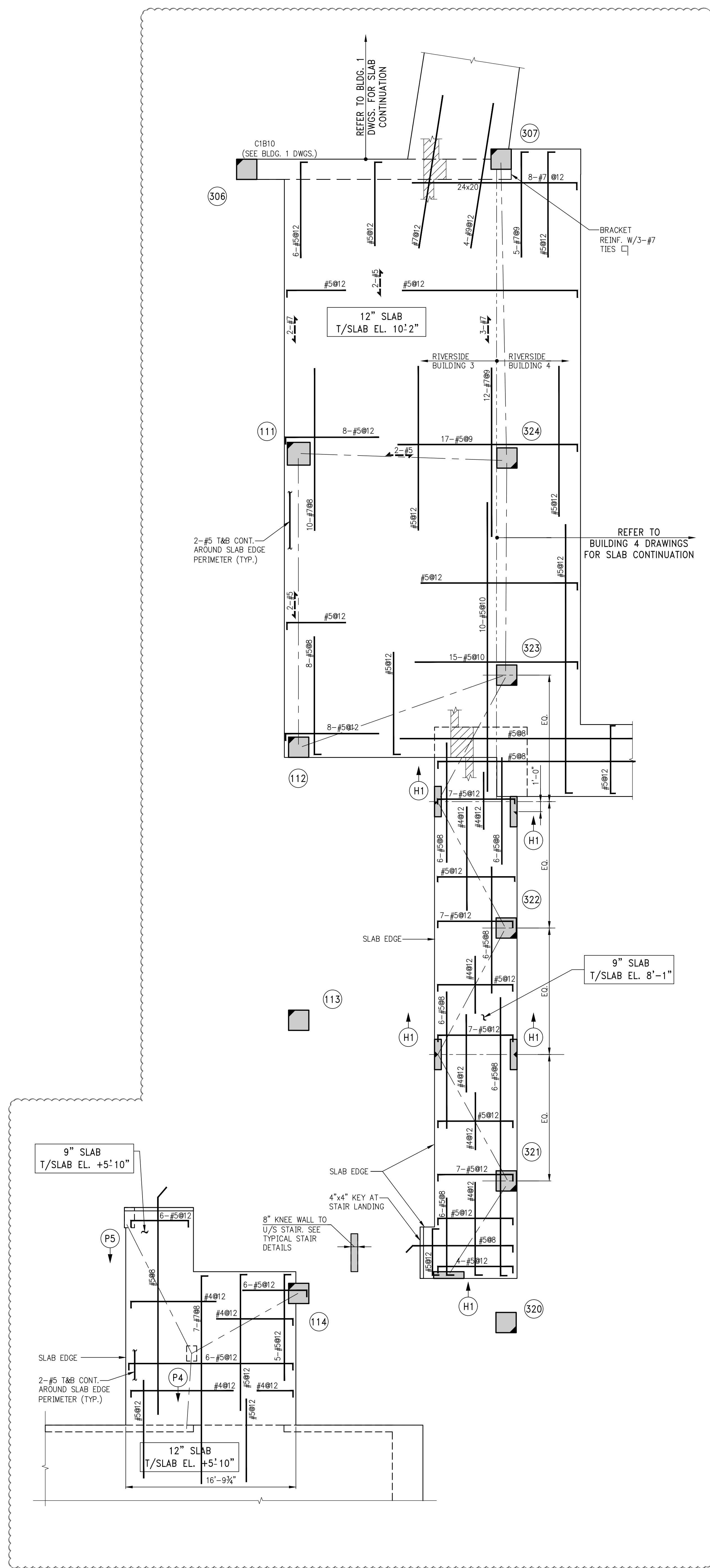
KEY PLAN



1 CELLAR LEVEL FRAMING PLAN (C2 LEVEL PART 2)
SCALE: 3/8" = 1'-0"
NOTE:
1. FOR BALANCE OF INFORMATION SEE CORRESPONDING OVERALL FRAMING PLAN.

11	06/02/2017	DOB SUBMISSION
10	04/14/2017	ISSUE FOR CONSTRUCTION
9	12/02/2016	85% CD UPDATED SET
8	08/02/2016	80% CD
7	08/02/2016	POST APPROVAL AMENDMENT
6	04/18/2016	SUPERSTRUCTURE AWARD SET
5	04/12/2016	DOB SUBMISSION
4	02/02/2015	FOUNDATION SET
3	07/31/2015	DOB SUBMISSION
2	07/31/2015	100% CD
1	07/31/2015	100% CD

Number	Date	Revision
OWNER: GID DEVELOPMENT 125 HIGH STREET HIGH STREET TOWER, 27TH FLOOR BOSTON, MA 02110		
PROJECT: RIVERSIDE CENTER BUILDING 3 NEW YORK, NY		
EXECUTIVE ARCHITECT: GTHWA Goldstein, Hill & West Architects, LLP 11 Broadway, Suite 1700 New York, NY 10004 Tel: (212) 213-8007 Fax: (212) 686-1754		
DESIGN ARCHITECT: RICHARD MEIER & PARTNERS ARCHITECTS, LLP 475 Tenth Avenue New York, NY 10018 Tel: (212) 967-6560		
STRUCTURAL ENGINEER: WSP BUILDING STRUCTURES CONSULTING ENGINEERS 228 East 45th St, 3rd Floor New York, NY 10017 Tel: (212) 687-9888 Fax: (646) 487-5501		
MEP/FP ENGINEER: WSP BUILDING SYSTEMS CONSULTING ENGINEERS 512 Seventh Avenue New York, NY 10018 Tel: (212) 532-9600		
DOB STAMPS & SIGNATURES: <div> APPROVED Under Executive of 1975 EXERCISE OF AUTHORITY Date: 02/04/2018 NYC Development Hub</div>		
DWG TITLE: CELLAR LEVEL FRAMING PLAN (C2 LEVEL PART 2) NB#XXXXXXXX		
SEAL & SIGNATURE: 	DATE: 07/31/2015 PROJECT # 188104 SCALE: 3/8" = 1'-0" S-003.01 DWG NO.	



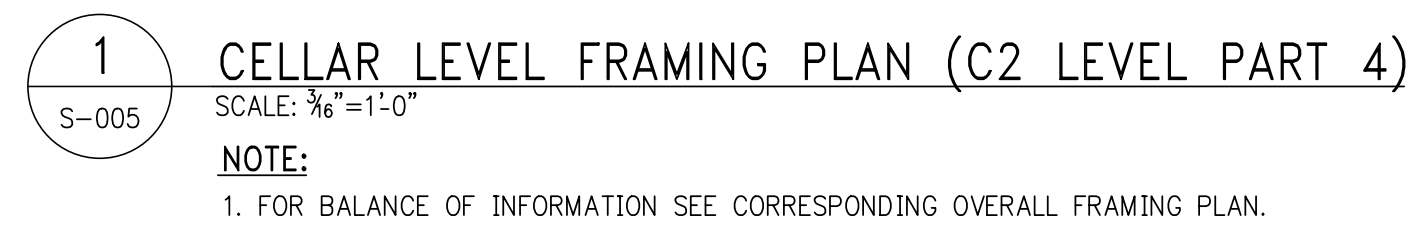
2 CELLAR MEZZANINE LEVEL FRAMING PLAN
S-004 SCALE: $\frac{3}{8}" = 1'-0"$

NOTE:
1. FOR BALANCE OF INFORMATION SEE CORRESPONDING OVERALL FRAMING PLAN

A diagram of a circle with a vertical line passing through its center. Two diagonal lines extend from the top of the vertical line to the left and right edges of the circle, forming a triangle. The letter 'N' is positioned above the circle.

DB STAMPS & SIGNATURES:





A circle with a vertical line passing through its center. Two diagonal lines extend from the top of the vertical line to the left and right edges of the circle, forming a triangle. The letter 'N' is positioned above the circle.

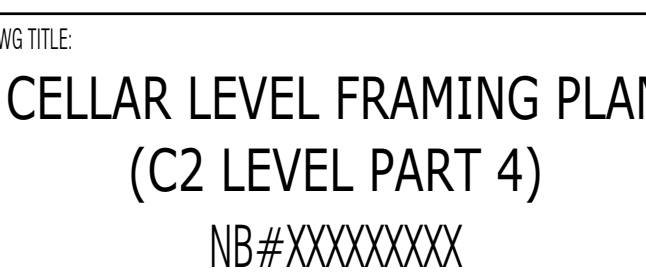
Number:	Date:	Revision:
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EXECUTIVE ARCHITECT:

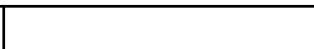
DESIGN ARCHITECT:

**WSP BUILDING SYSTEMS
CONSULTING ENGINEERS**
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DB STAMPS & SIGNATURES:



REAL & SIGNATURE:	
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DATE	07/31/2013

PROJECT #: 1490104

SCALE: 3/6" = 1'-0"

C 005 01

3-003.01

DWS NO. _____



KEY PLAN

Number	Date	Revision
7	06/02/2017	006 SUBMISSION
6	04/14/2017	ISSUE FOR CONSTRUCTION
5	12/02/2016	60% CD, UPDATED SET
4	10/02/2016	60% CD, UPDATED SET
3	09/02/2016	60% CD
2	04/16/2016	POST APPROVAL AMENDMENT
1	04/15/2016	SUPPLEMENTAL AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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Goldstein, Hill & West Architects, LLP
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New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
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475 Tenth Avenue
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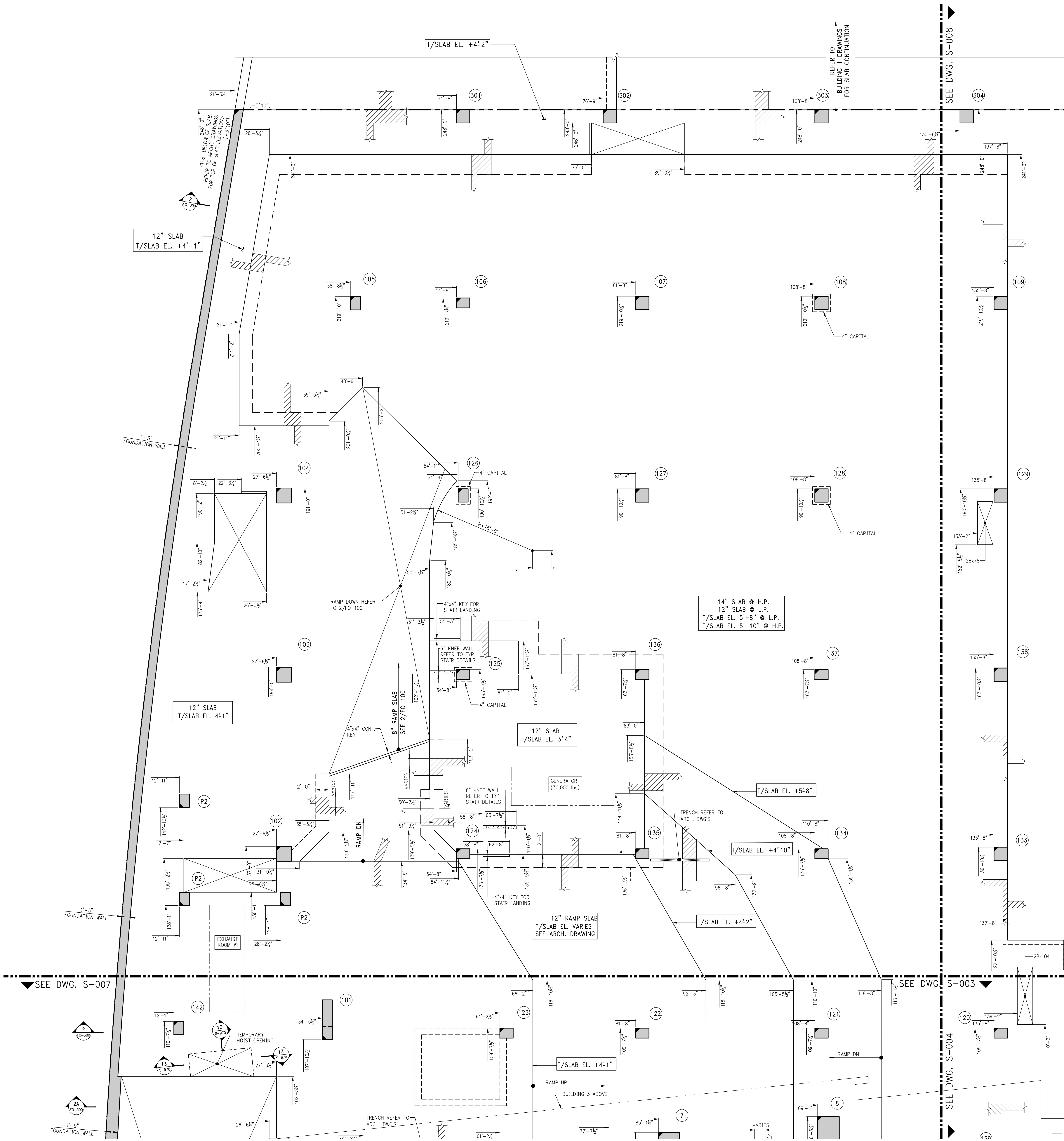
MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:



DWG TITLE:
CELLAR LEVEL GENERAL
ARRANGEMENT PLAN
(C2 LEVEL PART 1)
NB#XXXXXXXX

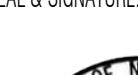
SEAL & SIGNATURE	DATE: 07/03/2015
	PROJECT # 150104
	SCALE 3/16" = 1'-0"
	S-006.00
	DWG NO.

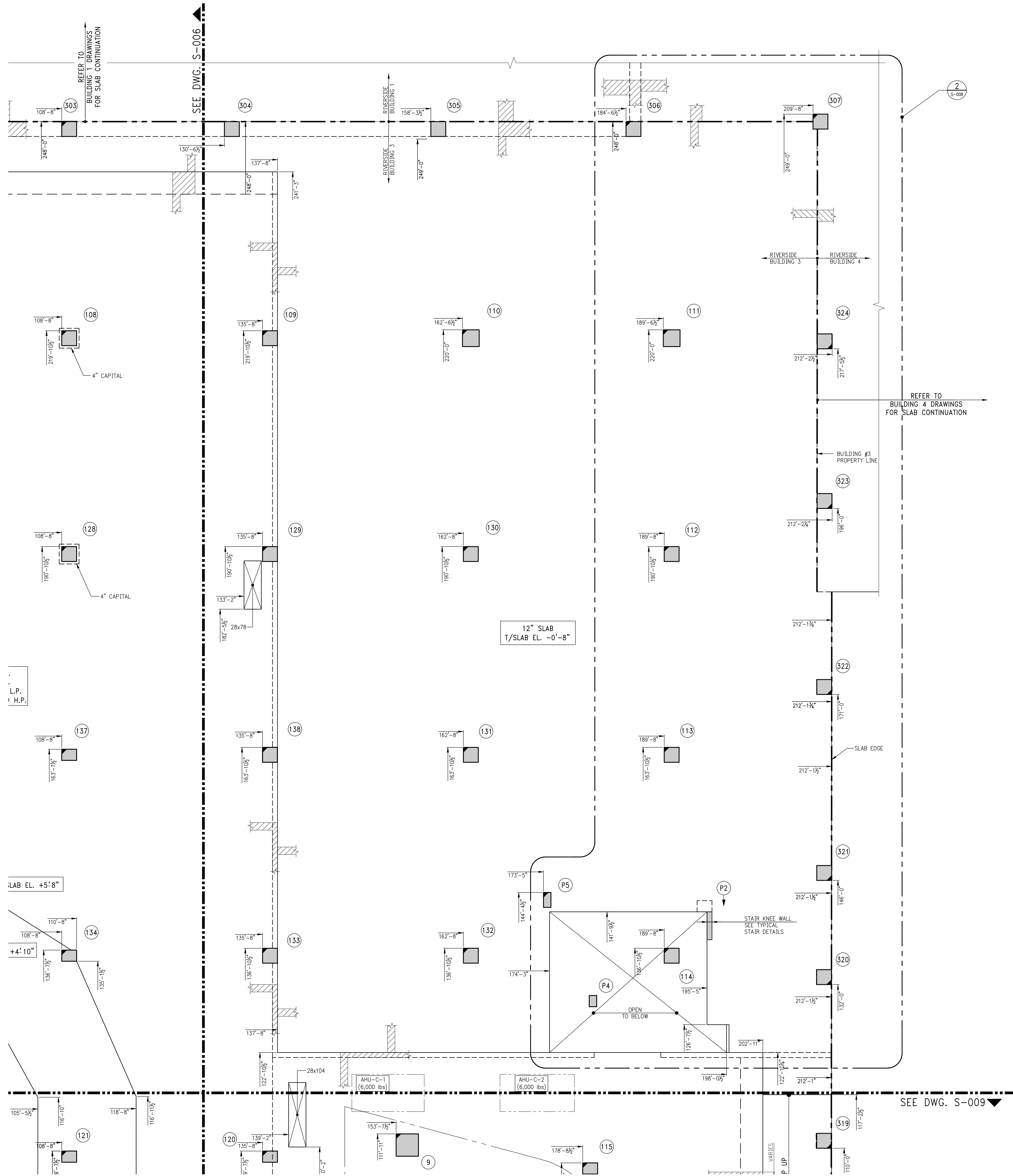


1 CELLAR LEVEL GENERAL ARRANGEMENT PLAN (C2 LEVEL PART 1)
SCALE 3/16"=1'-0"
NOTE:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

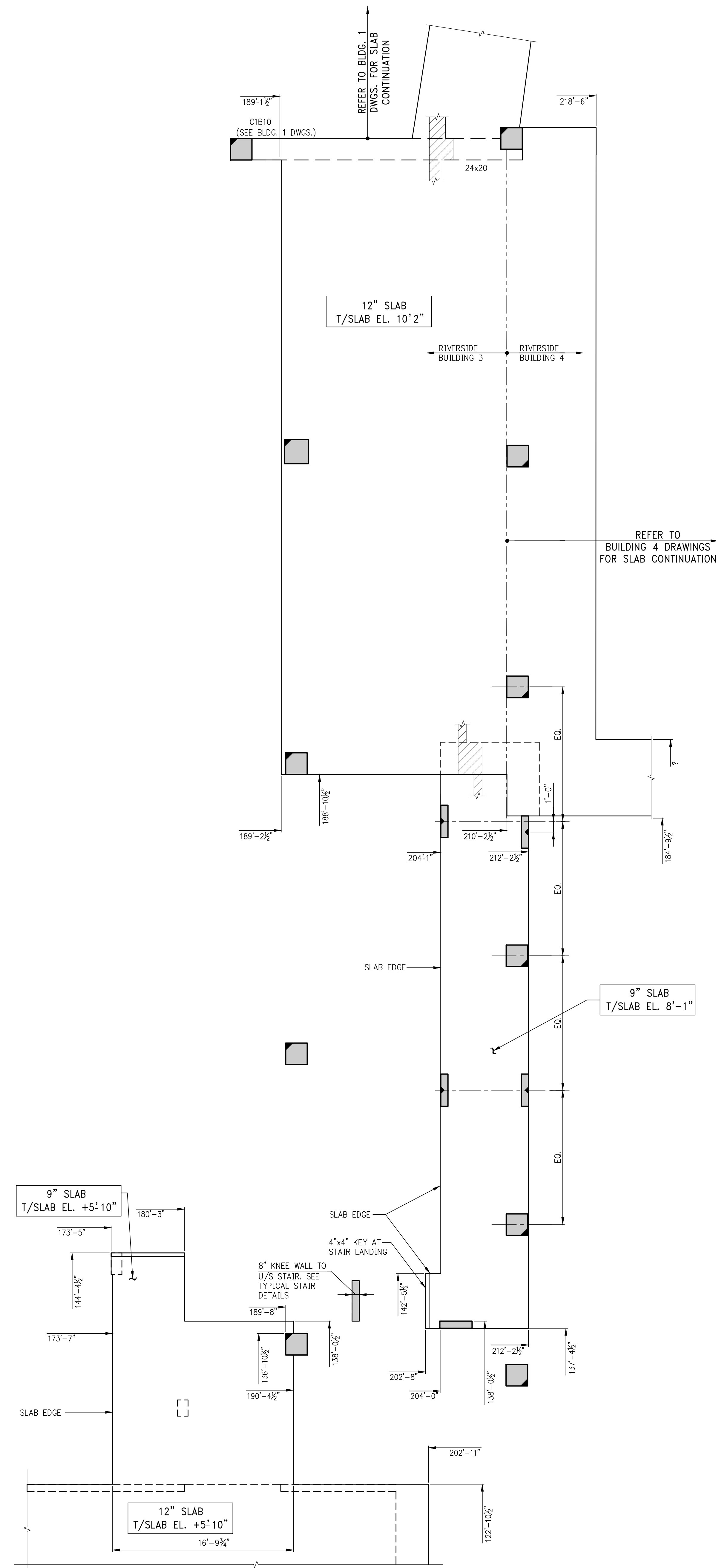
A diagram of a circle with a vertical line passing through its center. Two diagonal lines extend from the top of the vertical line to the left and right edges of the circle, forming a triangle. The letter 'N' is positioned above the circle.



SEAL & SIGNATURE	DATE: 07/31/2015
	PROJECT #: 1490104
	SCALE: 3/8" = 1'-0"
	S-007.00

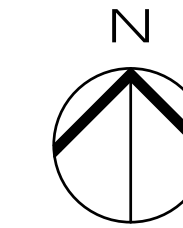


1 CELLAR LEVEL GENERAL ARRANGEMENT PLAN (C2 LEVEL PART 3)
SCALE: 3/8" = 1'-0"
NOTE:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.



2 CELLAR MEZZANINE LEVEL GENERAL ARRANGEMENT PLAN
SCALE: 3/8" = 1'-0"
NOTE:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

KEY PLAN



Number	Date	Revision
7	06/02/2017	DOB SUBMISSION
6	04/14/2017	ISSUE FOR CONSTRUCTION
5	10/02/2016	80% CD UPDATED SET
4	10/02/2016	80% CD UPDATED SET
3	09/02/2016	80% CD
2	04/16/2016	POST APPROVAL AMENDMENT
1	04/15/2016	SUPERSTRUCTURE AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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Goldstein, Hill & West Architects, LLP
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New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

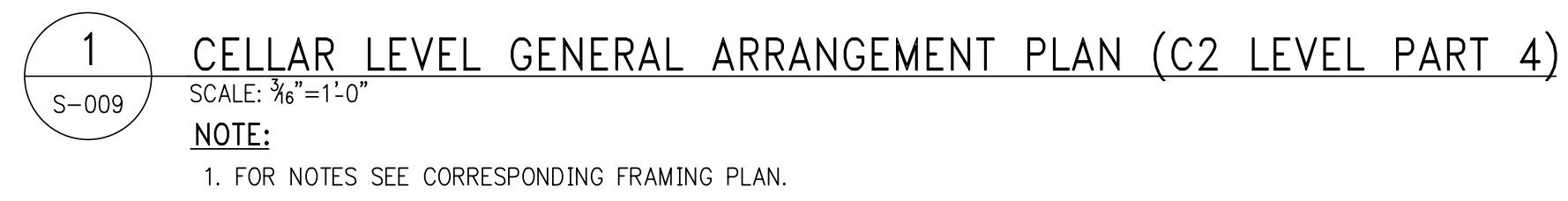
STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501


MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:
Victor Daza
APPROVED
Under Executive e-1975
EXEMPTED EXPIRATION
Date: 02/04/2018
NYC Development Hub

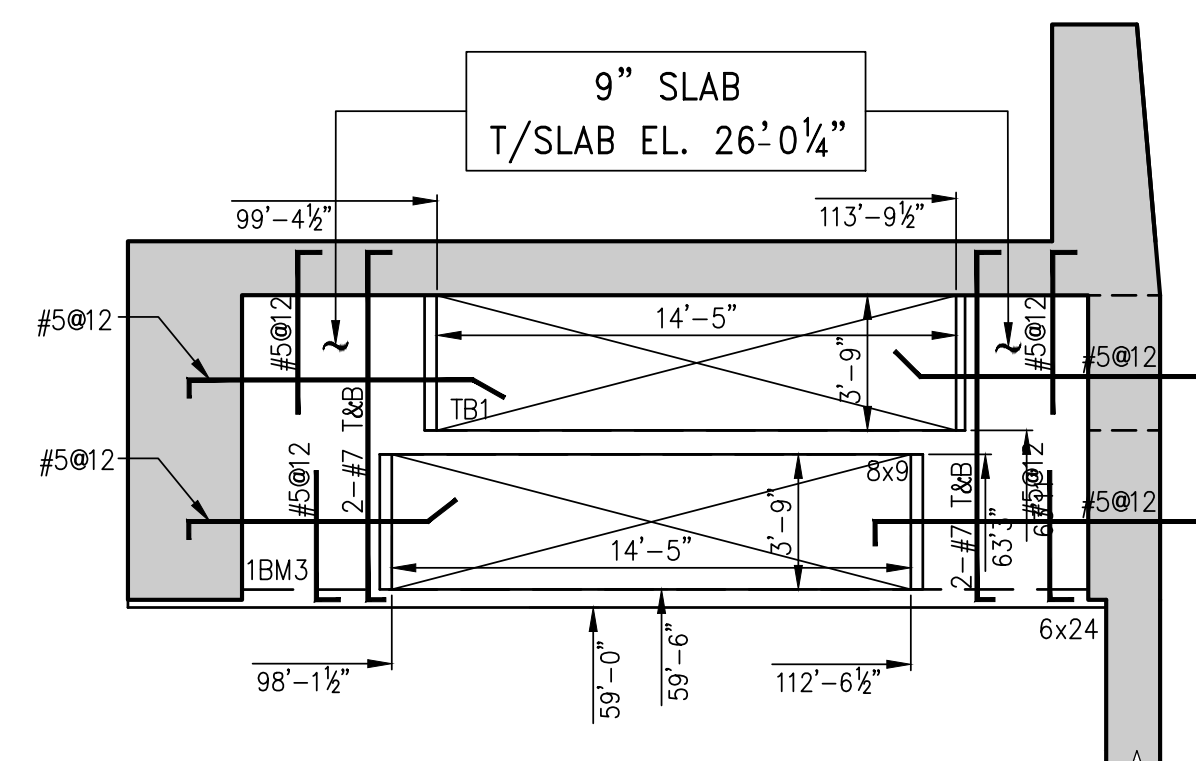
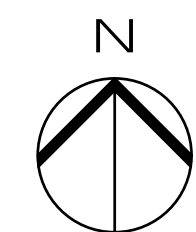
DWG TITLE:
CELLAR LEVEL GENERAL
ARRANGEMENT PLAN
(C2 LEVEL PART 3)
NB#XXXXXXXX

SEAL & SIGNATURE:
DATE: 07/03/2015
PROJECT #: 180104
SCALE: 3/8" = 1'-0"
S-008.00
DWG NO.



DATE: 07/31/2015 PROJECT #: 1450104 SCALE: 3/8" = 1'-0" <div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> S-009.00 </div> DWG NO.	& SIGNATURE 

KEY PLAN

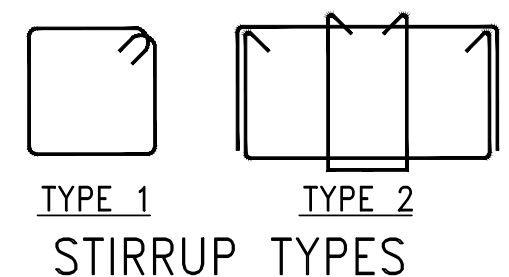


INTERMEDIATE STAIR LANDING
BETWEEN 1ST & 2ND FL. FRAMING PLAN

- NOTES:
1. REFER TO PLAN FOR ELEVATIONS.
 2. SLAB TO BE 9" THICK. U.O.N. THUS \square ON PLAN.
 3. BOTTOM REINFORCEMENT TO BE #4@12 CONT. E.W. FOR 9" SLAB.
 4. FOR BALANCE OF INFORMATION SEE 1/S-010

BEAM SCHEDULE									
BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS		REMARKS	
	WIDTH	DEPTH	TOP LEFT CONTINUOUS	BOTTOM CONTINUOUS	TOP RIGHT CONTINUOUS	TYPE	SIZE		
1B1	8	SEE PLAN	2-#5	2-#5	2-#5	1	#3	03	**
1B100	24	SEE PLAN	4-#7	12-#11 (2 LAYERS)	4-#7	2	#5	06	PROVIDE SKIN REINFORCING #5@8 E.F.
1B2	6	24	2-#8 (2 LAYERS)	2-#8 (2 LAYERS)		1	#3	06	
1B4	12	12	2-#5	3-#5	2-#5	1	#3	05	EXTEND ALL REBARS INTO CANTILEVER WHERE CANT. IS STATED ON PLAN.
1B5	8	12	2-#5	2-#6	2-#5	1	#3	05	EXTEND ALL REBARS INTO CANTILEVER WHERE CANT. IS STATED ON PLAN.
1B6	8	16	2-#5	2-#7	2-#5	1	#3	06	
1B7	10	141.5	2-#7	2-#9	2-#7	1	#4	012	PROVIDE SKIN REINFORCING #4@12 E.F.
1B8	8	141.5	2-#7	2-#9	2-#7	1	#4	012	PROVIDE SKIN REINFORCING #4@12 E.F.
1B9	16	33	2-#7	3-#9	2-#7	1	#4	012	PROVIDE SKIN REINFORCING #4@12 E.F.

- * REFER TO DRAWING S-960 FOR TYP. ELEVATOR BEAM DETAILS.
** EXTEND TOP REBARS 4'-0" BEYOND THE END IF BEAM OR EDGE OF SLAB.



- NOTE FOR
- PARKING FLOORS, RAMPS, DRIVEWAYS EXPOSED TOPPING, SIDE WALKS - ALL DIRECTLY EXPOSED TO CARS AND/OR PEDESTRIAN TRAFFIC & CONCRETE TANKS. CAST IN PLACE CONCRETE TO HAVE 2" CLEAR COVER AND BE:
 - FC 5950 psi AT 28 DAYS TOP SLAB REBARS, CONCRETE AND MASONRY SHEAR WALL DOWELS SHALL BE EPOXY COATED. DAMAGED PARTS OR REBARS SHALL BE PAINTED WITH DOUBLE COAT OF EPOXY PAINT.
 - DCI (CALCIUM NITRITE) CORROSION INHIBITOR, (4.0 GAL/YD3)
 - WATER/CEMENT RATIO NOT TO EXCEED 0.36
 - USE OF SUPER PLASTICIZER TO ACHIEVE THE W/C RATIO.
 - CONCRETE TO CONTAIN SILICA FUME (5% OF TOTAL CEMENT) OR SLAG (40%) 2.0 lbs/YD3 FIBER MESH.
 - ENTRAINED AIR AT 6% \pm 1%
 - THE CURING SHALL BE ONLY MOIST TYPE. NO CURING COMPOUND ACCEPTABLE.
 - ALTHOUGH PROTECTIVE MEASURES WERE INCORPORATED IN THE DESIGN OF THE EXPOSED SLABS AND WALLS, THESE AREAS MUST BE CAREFULLY MAINTAINED IN ORDER TO PREVENT EARLY DETEIORATION.
 - SLOPE TOP OF THE SLAB TO DRAINS IF REQUIRED BY ARCHITECTURAL DRAWINGS.
 - APPLY PENETRATING ANTISPALLING SEALER AND TRAFFIC DECK COATING SYSTEM.
- REFER TO SPECIFICATIONS FOR DETAILS. TRAFFIC COATING SYSTEM SHALL BE MAINTAINED AND PERIODICALLY REPLACED PER MANUFACTURER DIRECTIONS.

SCHEDULE OF STUDRIL SLAB SHEAR REINFORCEMENT AT COLUMNS										
GROUND FLOOR										
STUD RAIL MARK	COLUMN NUMBER	SLAB THICKNESS "h" (IN)	NUMBER OF FACES REINFORCED	NUMBER OF STUDRIL LONGSIDE	NUMBER OF STUDRIL SHORT SIDE	TOTAL NUMBER OF STUDRILS	STUD DIAMETER (IN)	NUMBER OF STUDS PER RAIL	STUD SPACING (IN)	REMARKS
SRS-1	11	16	4	4	4	16	3/8	31	3 1/2	
SRS-2	10	16	4	3	3	12	3/8	20	3 1/2	
SRS-3	9, 12	16	4	3	3	12	3/8	9	5 1/2	
SRS-4	115, 116	16	4	3	2	10	3/8	12	4 1/2	
SRS-5	120, 139, 140	16	4	2	2	8	3/8	10	4 1/2	

GROUND FLOOR FRAMING PLAN

- NOTES:
1. FOR TOP OF SLAB ELEVATIONS SEE PLAN.
 2. SLAB TO BE 11" THICK IN AREAS WITHIN BUILDING FOOT PRINT THUS \square ON PLAN. SLAB TO BE 11" THICK IN AREAS WITHIN BUILDING FOOT PRINT THUS \square ON PLAN. BOTTOM REINFORCEMENT TO BE #4@12 CONT. E.W. FOR 9" SLAB U.O.N. #4@10 CONT. E.W. FOR 11" SLAB U.O.N. #5@12 CONT. E.W. FOR 14" SLAB U.O.N. #6@10 CONT. E.W. FOR 16" SLAB U.O.N.
 3. COLUMN CAPITALS IN LANDSCAPED AREAS TO BE 18" DEEP TYPICAL U.O.N.
 4. FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND SEE DRAWING F-101.
 5. FOR LINK BEAM SCHEDULE AND SHEARWALL DETAILS SEE S-940 SERIES DRAWINGS.
 6. FOR COLUMN SIZES, REINFORCEMENT AND DETAILS SEE S-950 SERIES DRAWINGS.
 7. FOR TYPICAL SUPERSTRUCTURE DETAILS SEE S-960 SERIES DRAWINGS.
 8. FOR SUPERSTRUCTURE SECTIONS SEE S-970 SERIES DRAWINGS.
 9. FOR STAIR DETAILS AND SECTIONS SEE S-980 SERIES DRAWINGS.

15	06/02/2017	DOB SUBMISSION
14	04/14/2017	ISSUE FOR CONSTRUCTION
13	12/02/2016	REV CD
12	10/02/2016	REV CD UPDATED SET
11	08/14/2016	REV CD
10	06/01/2016	SUPPERSTRUCTURE AWARD SET - REV 1
9	04/15/2016	POST APPROVAL AMENDMENT
8	04/15/2016	SUPPERSTRUCTURE AWARD SET
7	09/24/2015	DOB SUBMISSION
6	08/09/2015	FOUNDATION SET
5	07/07/2015	DOB SUBMISSION
4	07/20/2015	100% DD
3	03/23/2015	50% DD
2	03/02/2015	100% FILING
1	12/17/2015	100% DD

OWNER: GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT: RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT: **GHW**
Goldstein, Hill & West Architects, LLP
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DESIGN ARCHITECT: **RICHARD MEIER & PARTNERS**
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Tel: (212) 967-6860

STRUCTURAL ENGINEER: **WSP BUILDING STRUCTURES**
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228 East 45th St, 3rd Floor
New York, NY 10017
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MEP/PFP ENGINEER: **WSP BUILDING SYSTEMS**
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

DWG TITLE: **GROUND FLOOR OVERALL FRAMING PLAN**
NB#XXXXXXXX

SCALE: AS NOTED
DATE: 07/03/2015
PROJECT #: 188704
SCALE: AS NOTED
DWG NO: S-010.01



KEY PLAN

12	06/02/2017	DOB SUBMISSION
11	04/14/2017	ISSUE FOR CONSTRUCTION
10	12/03/2016	60% CD UPDATED SET
9	10/05/2016	60% CD UPDATED SET
8	09/14/2016	60% CD
7	04/01/2016	SUPPLEMENTAL AWARD SET - REV 1
6	04/18/2016	POST APPROVAL AMENDMENT
5	04/12/2016	SUPPLEMENTAL AWARD SET
4	02/03/2015	DOB SUBMISSION
3	09/03/2015	FOUNDATION SET
2	07/31/2015	DOB SUBMISSION
1	10/20/2015	10% CD

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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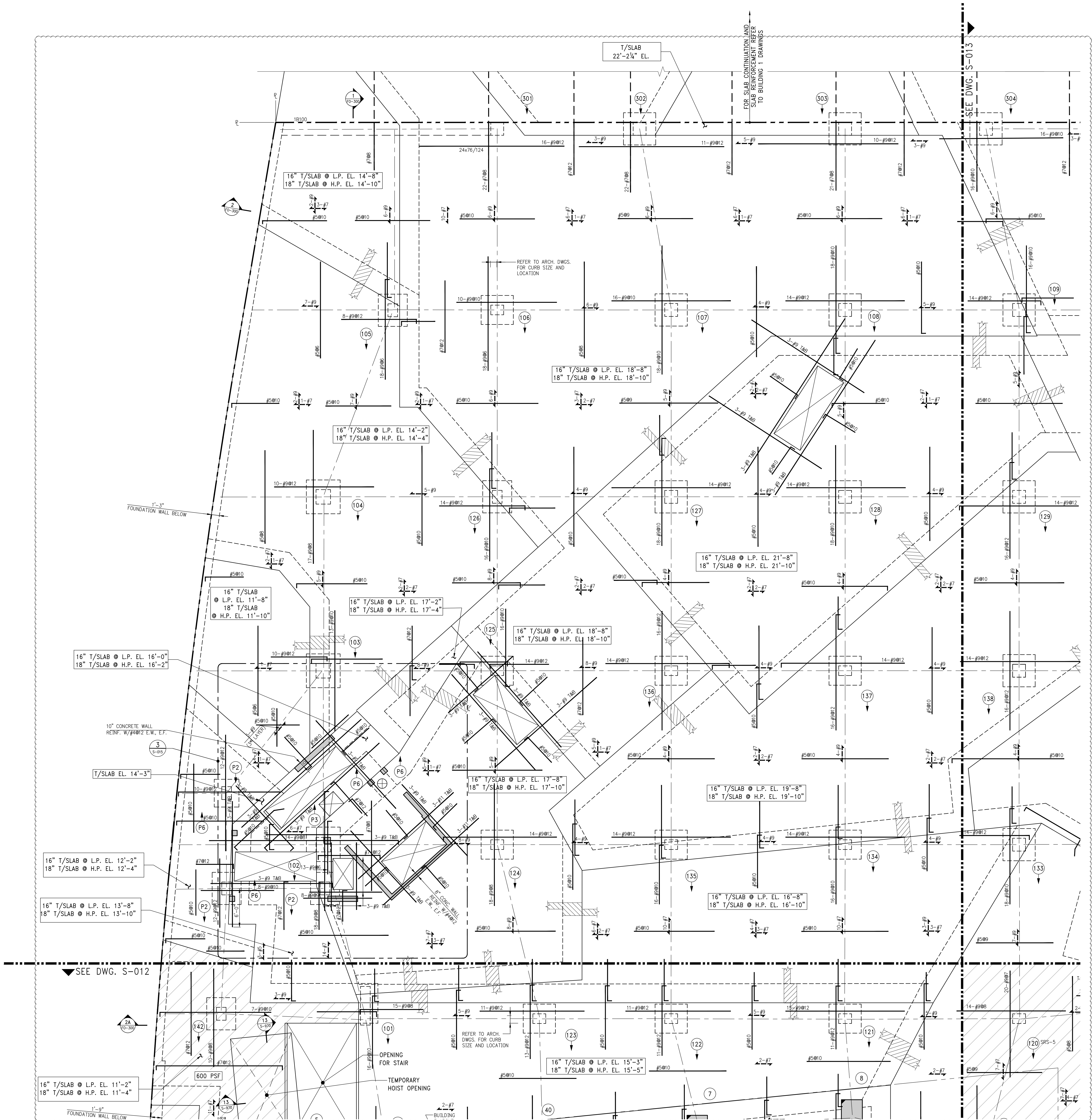
MEP/FP ENGINEER:
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CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

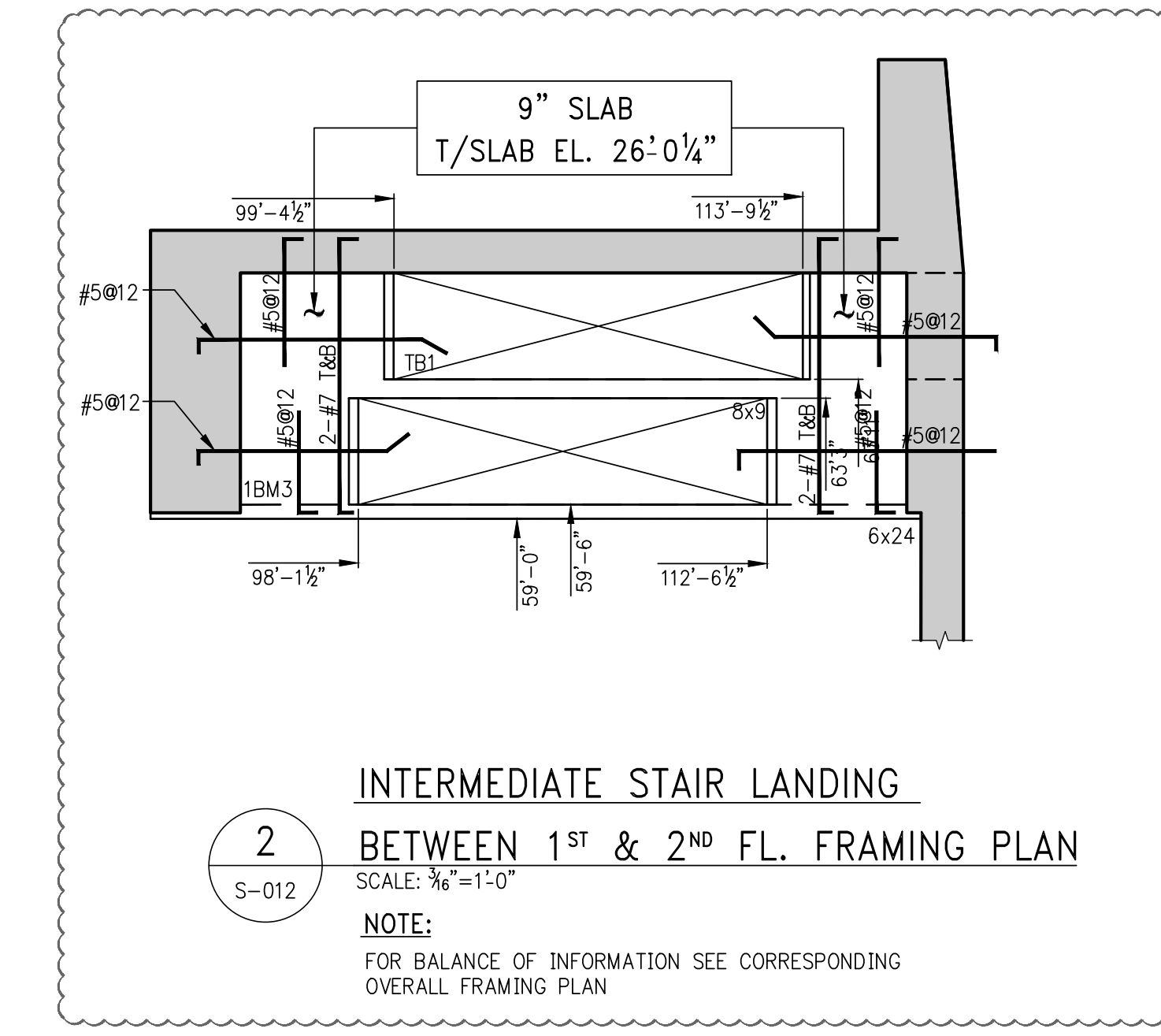
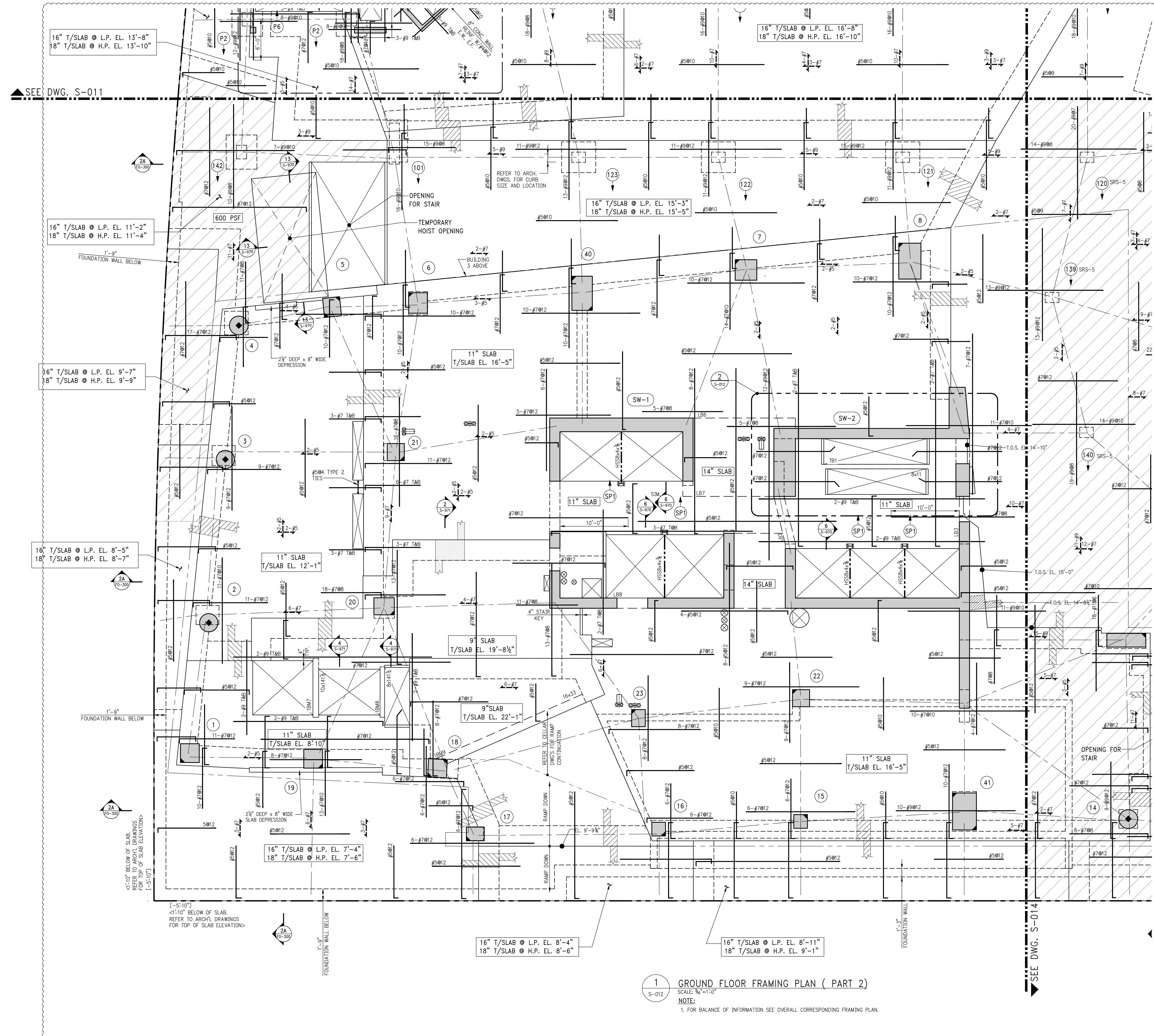
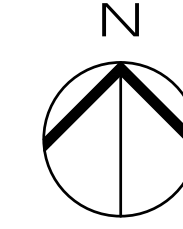
DWG TITLE:
GROUND FLOOR OVERALL
FRAMING PLAN (PART 1)
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/31/2015
PROJECT #: 180104
SCALE: AS NOTED
S-011.01
DWG NO.



KEY PLAN



1 GROUND FLOOR FRAMING PLAN (PART 2)
S-012
SCALE: 3/8"=1'-0"
NOTE:
1. FOR BALANCE OF INFORMATION SEE OVERALL CORRESPONDING FRAMING PLAN.

12	06/02/2017	DOB SUBMISSION
11	04/14/2017	ISSUE FOR CONSTRUCTION
10	12/02/2016	REV CD UPDATED SET
9	10/05/2016	REV CD UPDATED SET
8	09/14/2016	REV CD
7	08/01/2016	SUPPLEMENTAL AWARD SET - REV 1
6	04/18/2016	POST APPROVAL AMENDMENT
5	04/15/2016	SUPPLEMENTAL AWARD SET
4	02/02/2015	DOB SUBMISSION
3	09/08/2015	FOUNDATION SET
2	07/31/2015	DOB SUBMISSION
1	07/02/2015	10% CD

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

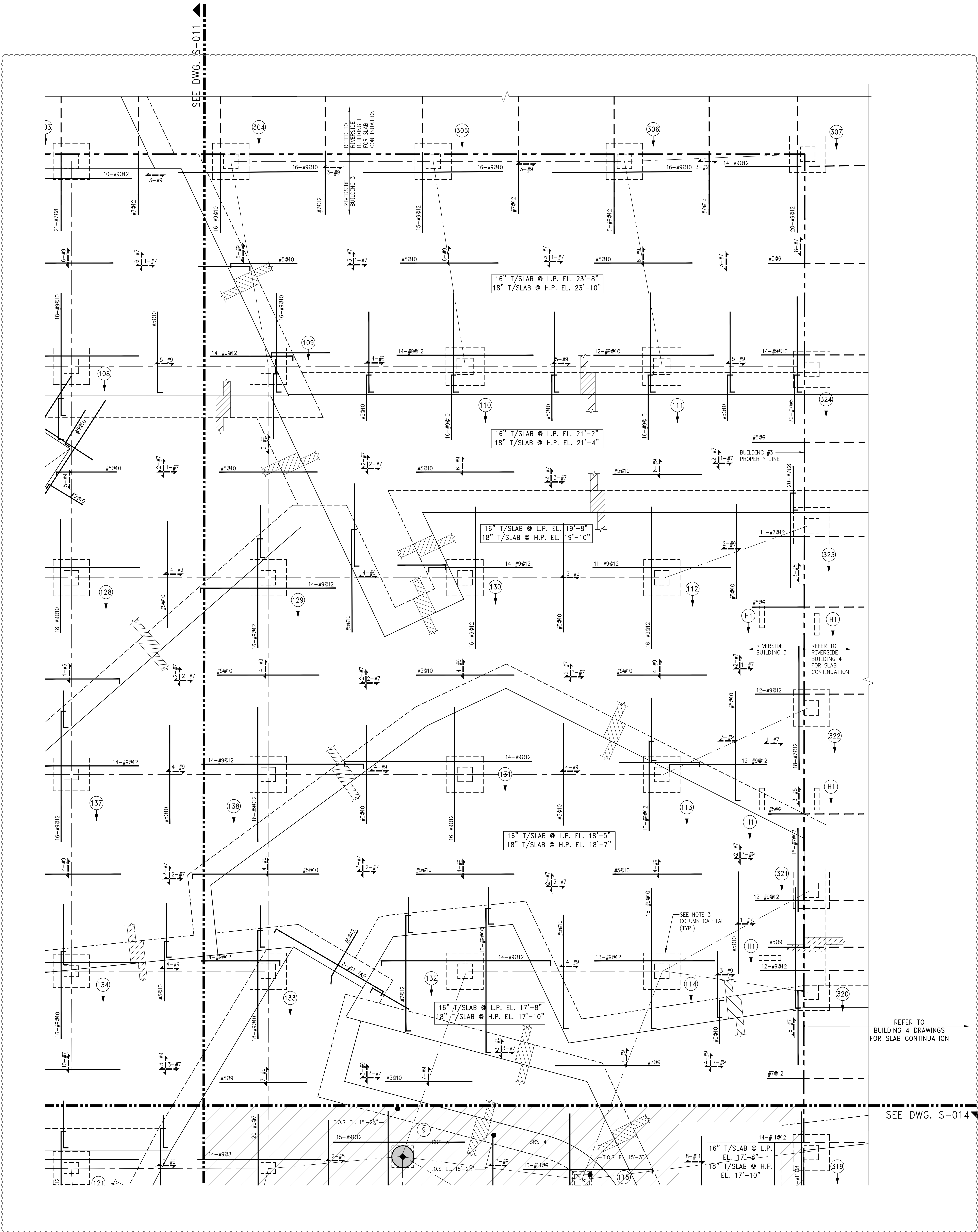
STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/PFP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:
Victor Daza
APPROVED
Under Executive Order 1975
EXEMPTED FROM REGISTRATION
Date: 02/04/2018
NYC Development Hub

DWG TITLE:
GROUND FLOOR OVERALL
FRAMING PLAN (PART 2)
NB#XXXXXXXX

SEAL & SIGNATURE:
DATE: 07/31/2015
PROJECT #: 180104
SCALE: AS NOTED
S-012.01
DWG NO.



1
S-013
GROUND FLOOR FRAMING PLAN (PART 3)
SCALE: 3/8"=1'-0"
NOTE:
1. FOR BALANCE OF INFORMATION SEE OVERALL CORRESPONDING FRAMING PLAN.

KEY PLAN



11	06/02/2017	DOB SUBMISSION
10	04/10/2017	ISSUE FOR CONSTRUCTION
9	12/02/2016	90% CD UPDATED SET
8	10/02/2016	90% CD UPDATED SET
7	08/14/2016	90% CD
6	04/18/2016	POST APPROVAL AMENDMENT
5	04/15/2016	SUPPLEMENTARY AWARD SET
4	03/04/2015	DOB SUBMISSION
3	03/03/2015	FOUNDATION SET
2	07/31/2015	DOB SUBMISSION
1	07/02/2015	100% CD

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

STRUCTURAL ENGINEER:
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CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

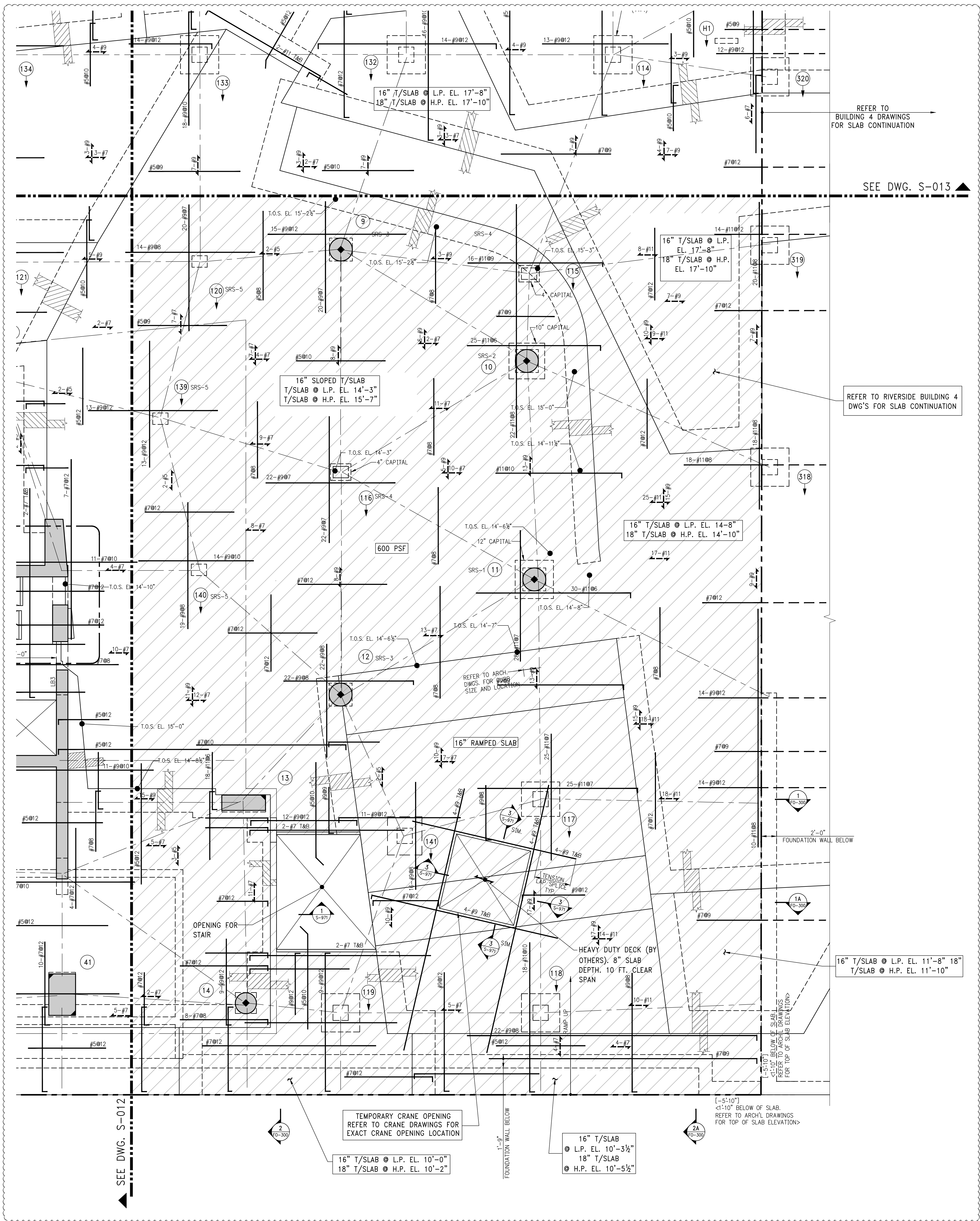
MEP/P ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

DWG TITLE:
GROUND FLOOR OVERALL
FRAMING PLAN (PART 3)
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/31/2015
PROJECT #: 188104
SCALE: AS NOTED
S-013.01
DWG NO.



1
S-014
GROUND FLOOR FRAMING PLAN (PART 4)
SCALE: 3/8"=1'-0"
NOTE:
1. FOR BALANCE OF INFORMATION SEE OVERALL CORRESPONDING FRAMING PLAN.

KEY PLAN



11	06/02/2017	DOB SUBMISSION
10	04/14/2017	ISSUE FOR CONSTRUCTION
9	12/02/2016	90% CD UPDATED SET
8	10/02/2016	90% CD UPDATED SET
7	09/14/2016	90% CD
6	04/18/2016	POST APPROVAL AMENDMENT
5	04/12/2016	SUPPLEMENTAL AWARD SET
4	02/04/2015	DOB SUBMISSION
3	09/08/2015	FOUNDATION SET
2	07/31/2015	DOB SUBMISSION
1	07/02/2015	10% CD

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/PFP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

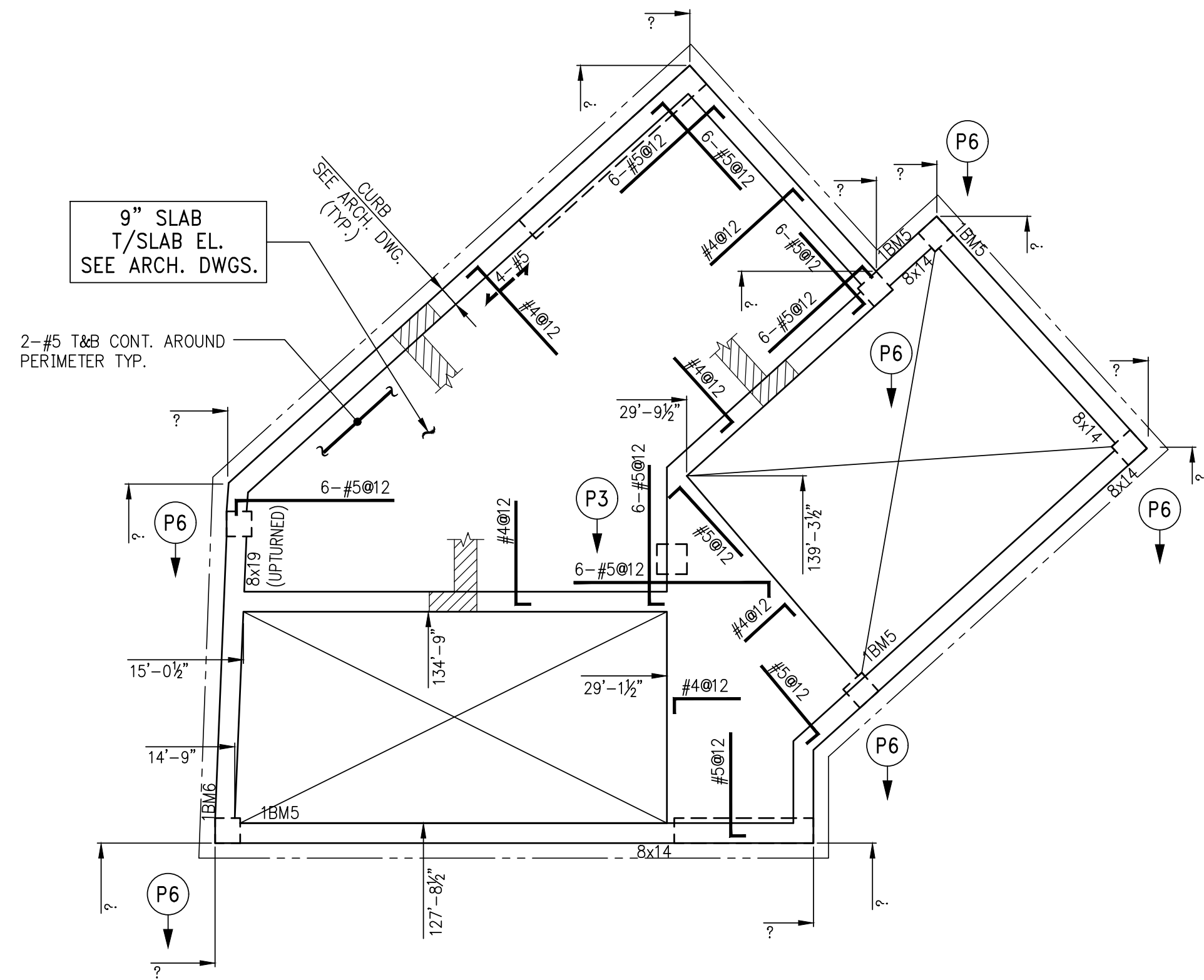
DOB STAMPS & SIGNATURES:

APPROVED
Under Executive Order 1975
EXERCISE OF JURISDICTION
Date: 02/04/2018
NYC Development Hub

DWG TITLE:
GROUND FLOOR OVERALL
FRAMING PLAN (PART 4)
NB#XXXXXXXX

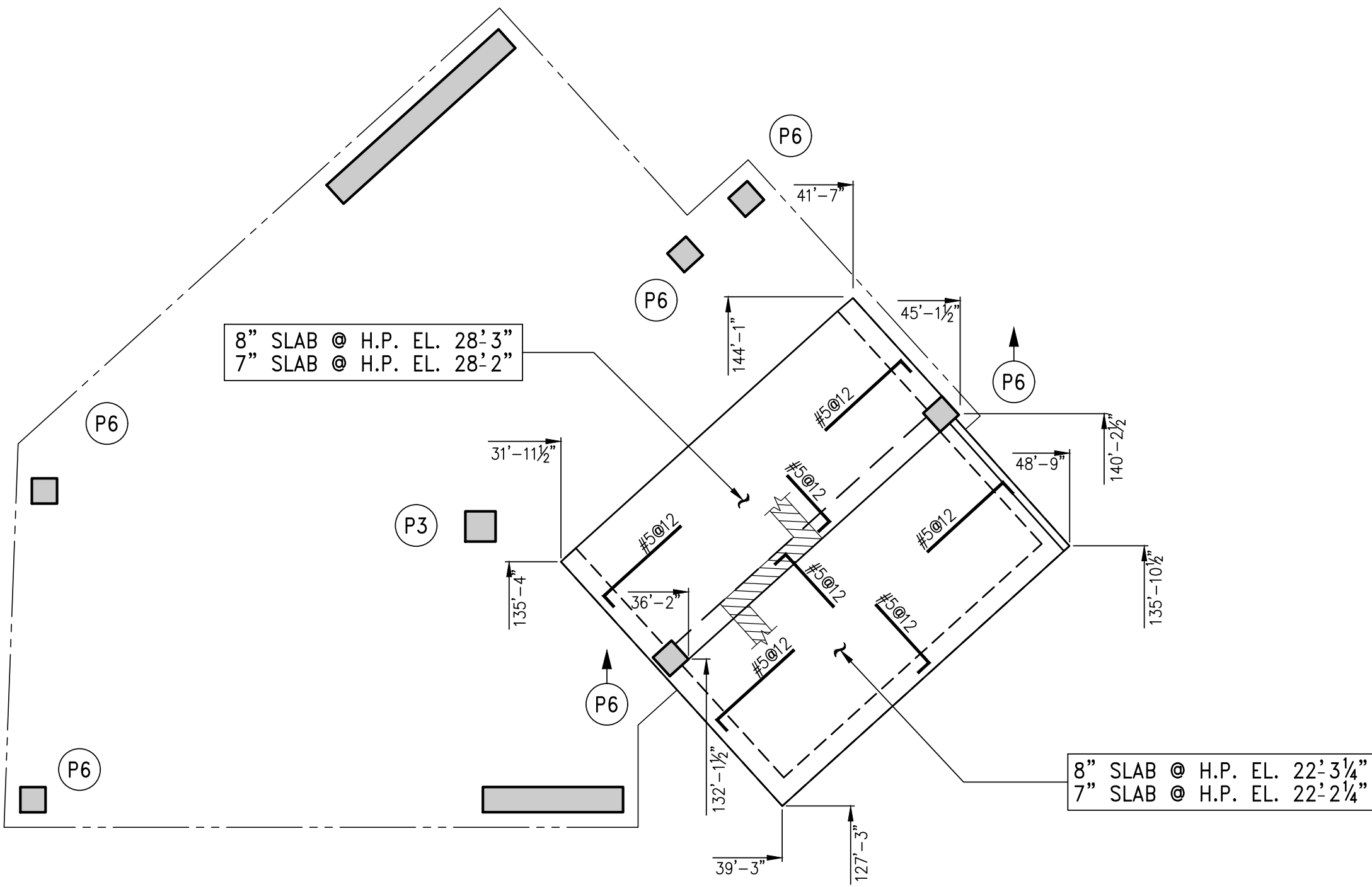
SEAL & SIGNATURE:

DATE: 07/31/2015
PROJECT #: 188104
SCALE: AS NOTED
S-014.01
DWG NO.



1 STAIR BULKHEAD ROOF PLAN
SCALE: 1/8"=1'-0"

- NOTES:
1. REFER TO ARCHITECTURAL DRAWINGS FOR ELEVATIONS.
 2. SLAB TO BE 9" THICK U.O.N. THIS ON PLAN.
 3. BOTTOM REINFORCEMENT TO BE #4@12" CONT. E.W. FOR 9" SLAB.
 4. FOR BALANCE OF INFORMATION SEE 1/S-010.



2 STAIR BULKHEAD ROOF PLAN
SCALE: 1/8"=1'-0"

- NOTES:
1. REFER TO PLAN FOR ELEVATIONS.
 2. SLAB TO BE 9" THICK U.O.N. THIS ON PLAN.
 3. BOTTOM REINFORCEMENT TO BE #4@12" CONT. E.W. FOR 7/8" SLAB.
 4. FOR BALANCE OF INFORMATION SEE 1/S-010.

5	XXXX/2017	0000
4	06/02/2017	DOB SUBMISSION
3	12/02/2016	85% CD
2	10/05/2016	REVISED UPDATED SET
1	06/01/2016	SUPPLEMENTAL AWARD SET - REV 1

Number	Date	Revision
--------	------	----------

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

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475 Tenth Avenue
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MEP/FP ENGINEER:
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CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

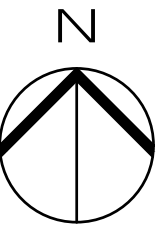
DOB STAMPS & SIGNATURES:



DWG TITLE:
STAIR BULKHEAD ROOF PLANS
GROUND FLOOR PART PLAN
NB#XXXXXXXX

SEAL & SIGNATURE	DATE: 01/01/2015
<div><div></div><div></div></div>	PROJECT #: 188704
	SCALE: AS NOTED
	S-015.01
	DWG NO.

KEY PLAN



8	06/02/2017	DOB SUBMISSION
7	04/14/2017	ISSUE FOR CONSTRUCTION
6	12/02/2016	80% CD UPDATED SET
5	10/02/2016	80% CD UPDATED SET
4	08/14/2016	80% CD
3	06/01/2016	SUPSTRUCTURE AWARD SET - REV 1
2	04/18/2016	POST APPROVAL AMENDMENT
1	04/15/2016	SUPSTRUCTURE AWARD SET

Number	Date	Revision
--------	------	----------

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GTHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

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475 Tenth Avenue
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STRUCTURAL ENGINEER:
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228 East 45th St, 3rd Floor
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Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

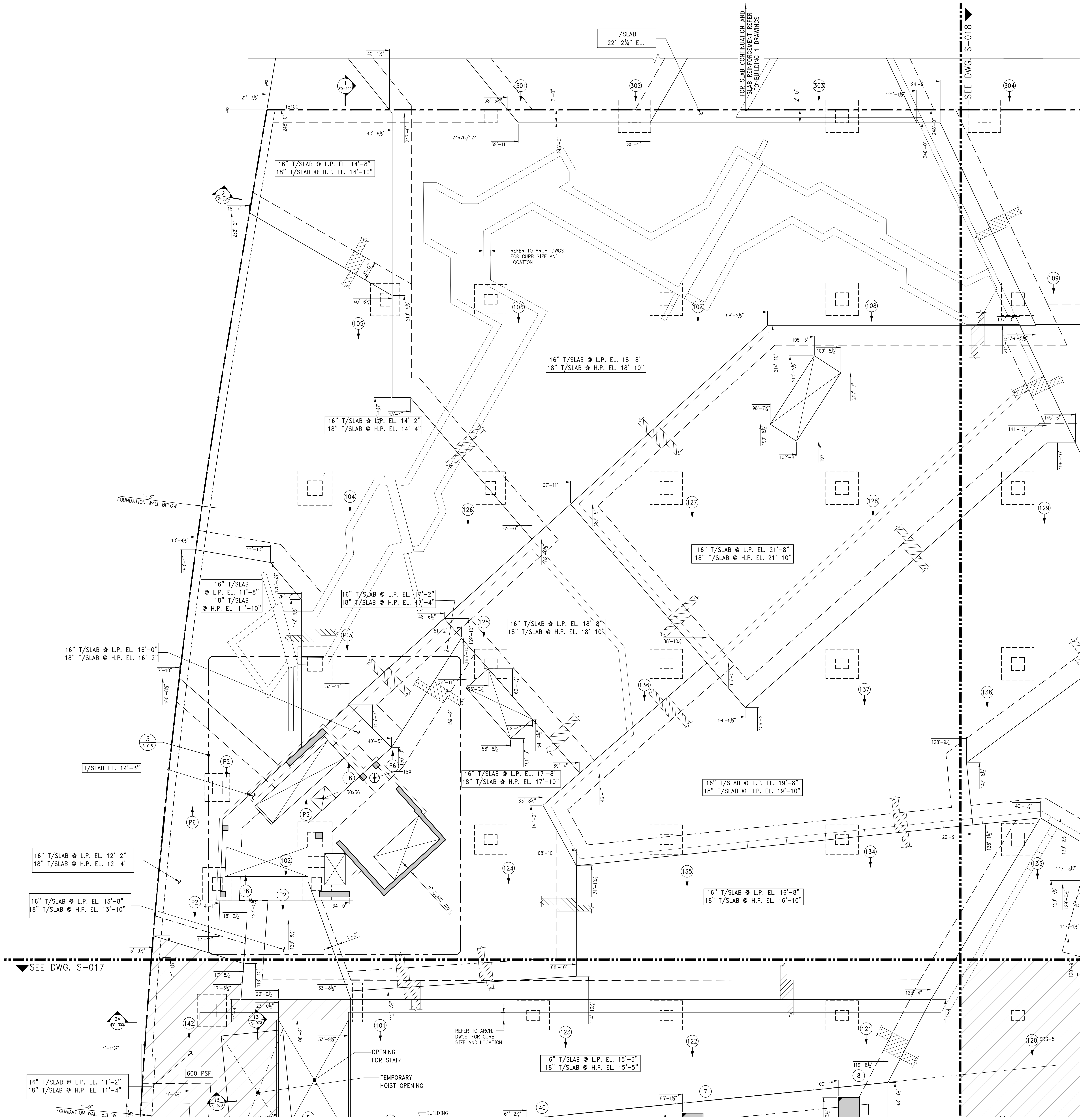
DOB STAMPS & SIGNATURES:



DWG TITLE:
GROUND FLOOR
GENERAL ARRANGEMENT
PLAN (PART 1)
NB#XXXXXXXX

SEAL & SIGNATURE:

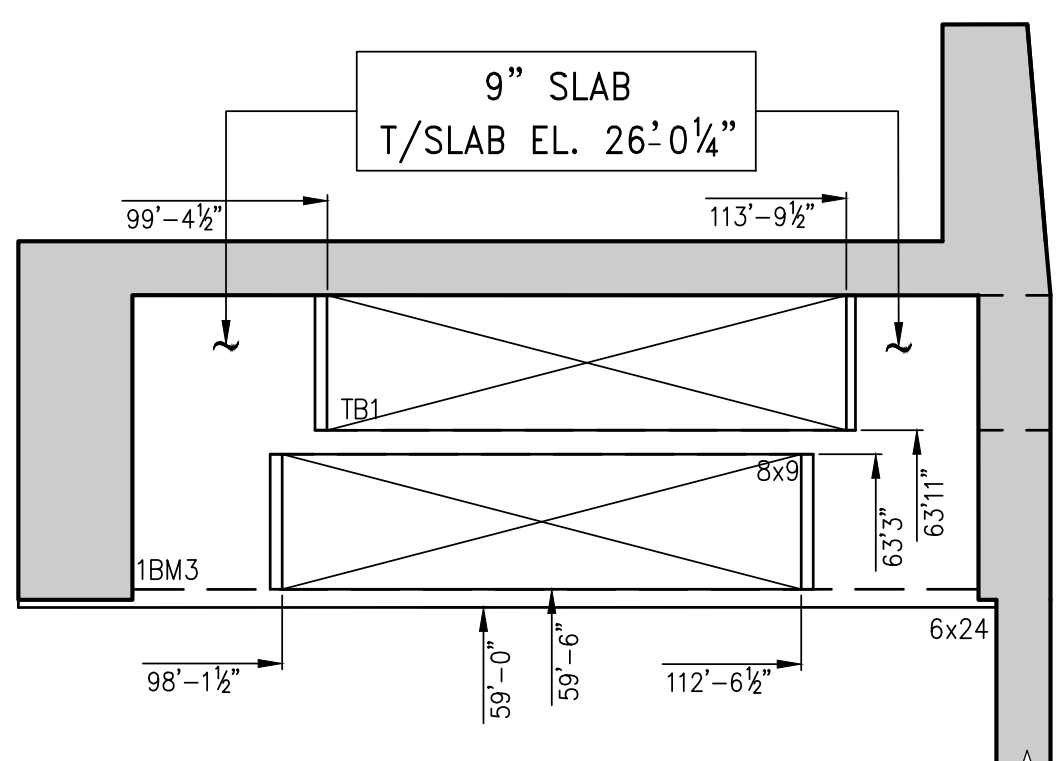
DATE: 07/01/2015
PROJECT #: 158704
SCALE: AS NOTED
DWG NO: S-016.00



1 GROUND FLOOR GENERAL ARRANGEMENT PLAN (PART 1)
SCALE: 1/8"=1'-0"
NOTE:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.



KEY PLAN



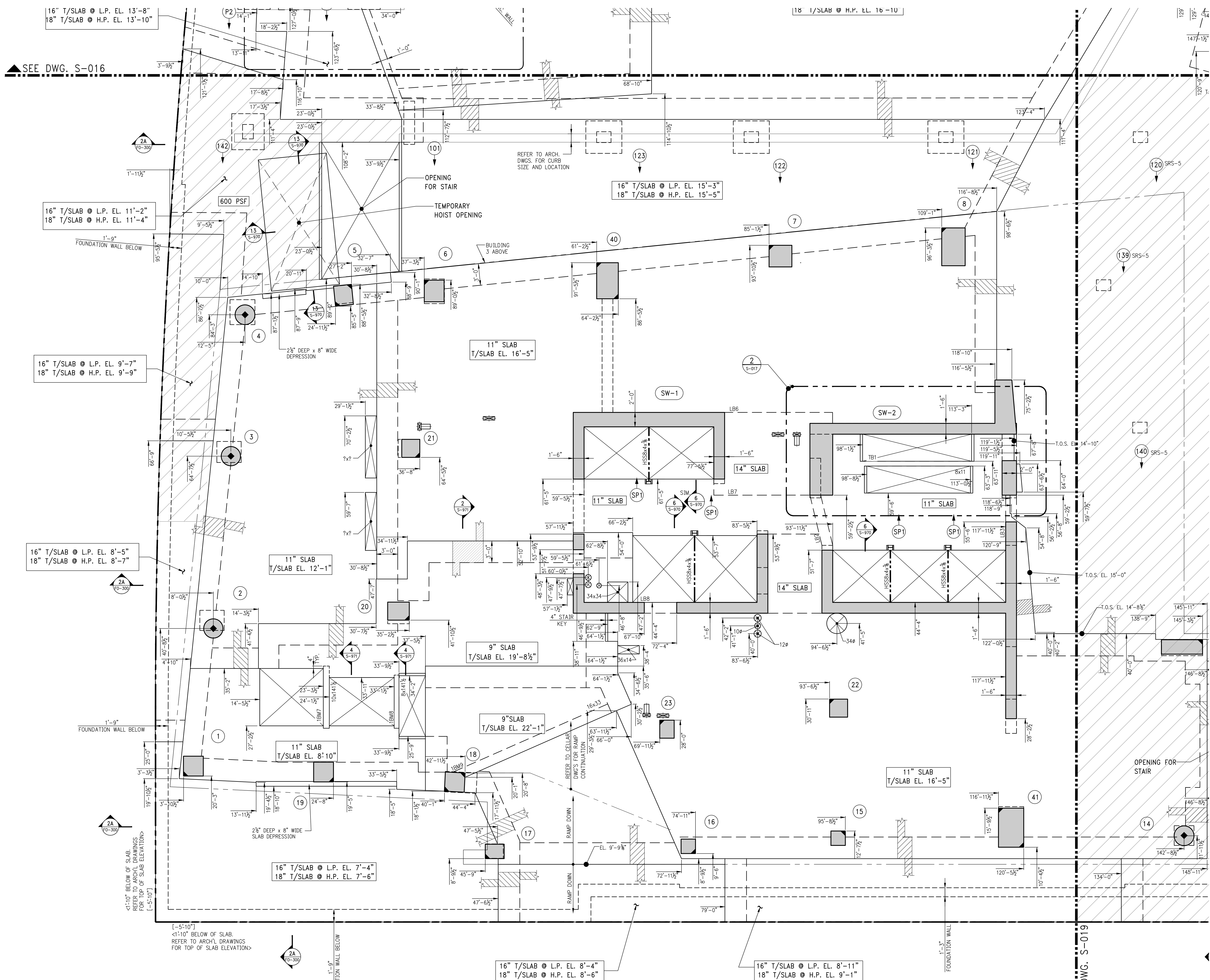
INTERMEDIATE STAIR LANDING

BETWEEN 1ST & 2ND FL. GENERAL ARRANGEMENT PLAN

SCALE: 3/8"=1'-0"

NOTE:

FOR BALANCE OF INFORMATION SEE CORRESPONDING OVERALL FRAMING PLAN



1 GROUND FLOOR GENERAL ARRANGEMENT PLAN (PART 2)

SCALE: 3/8"=1'-0"

NOTE:

1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

8	06/02/2017	DOB SUBMISSION
7	04/14/2017	ISSUE FOR CONSTRUCTION
6	12/02/2016	SSA CD
5	10/02/2016	SSA CD UPDATED SET
4	09/14/2016	SSA CD
3	09/01/2016	SUPPLEMENTAL AWARD SET-REV 1
2	04/19/2016	POST APPROVAL AMENDMENT
1	04/15/2016	SUPPLEMENTAL AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GTHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
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STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

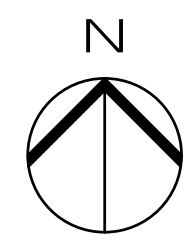
DOB STAMPS & SIGNATURES:



DWG TITLE:
GROUND FLOOR
GENERAL ARRANGEMENT
PLAN (PART 2)
NB#XXXXXXXX

SEAL & SIGNATURE	DATE: 07/03/2015
PROJECT # 1580104	SCALE: AS NOTED
DWG NO.	S-017.00

KEY PLAN



7	06/02/2017	DOB SUBMISSION
6	04/14/2017	ISSUE FOR CONSTRUCTION
5	12/02/2016	85% CD UPDATED SET
4	10/05/2016	80% CD UPDATED SET
3	09/14/2016	80% CD
2	04/19/2016	POST APPROVAL AMENDMENT
1	04/15/2016	SUPPLEMENTAL AWARD SET

Number	Date	Revision
--------	------	----------

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

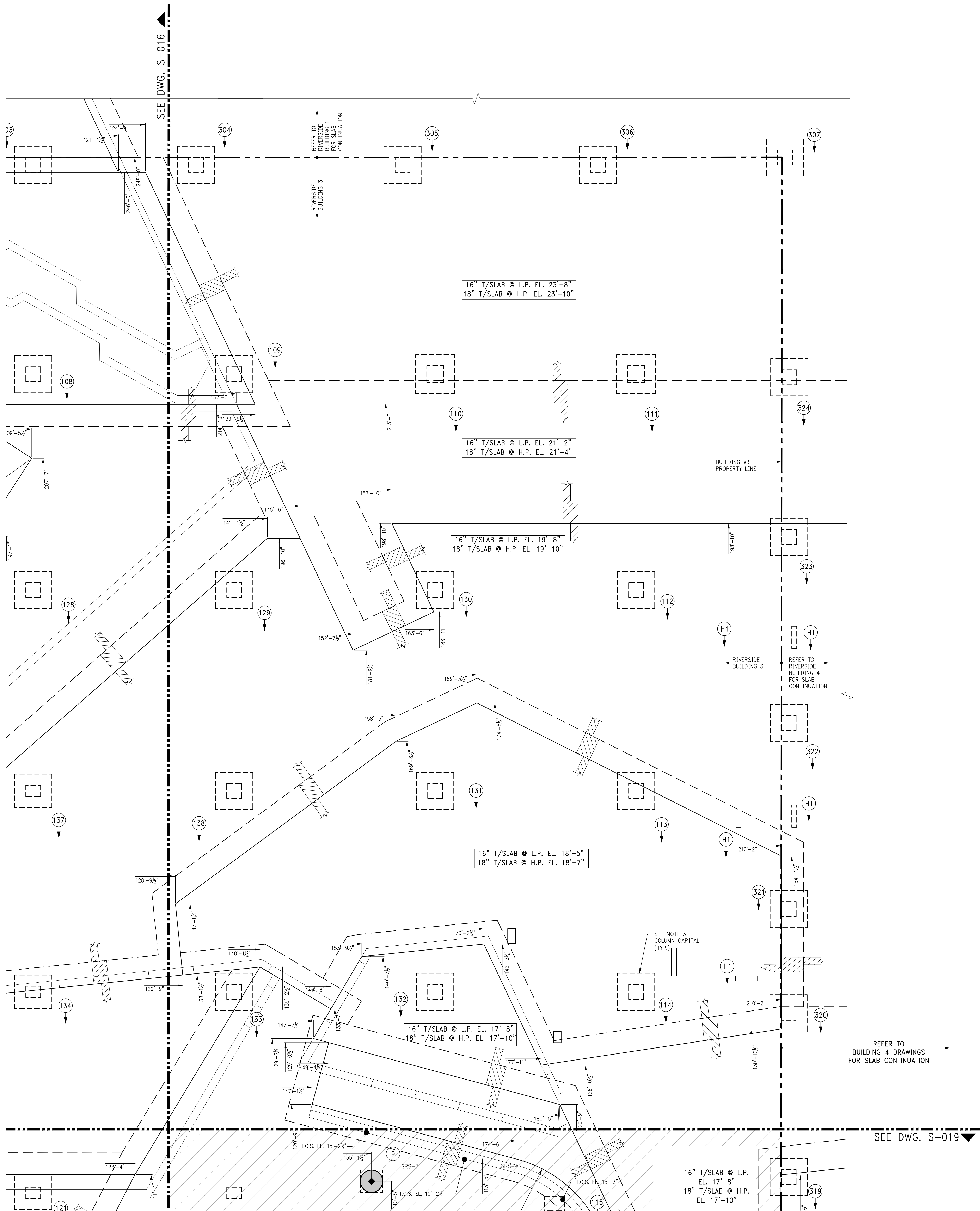
MEP/P ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

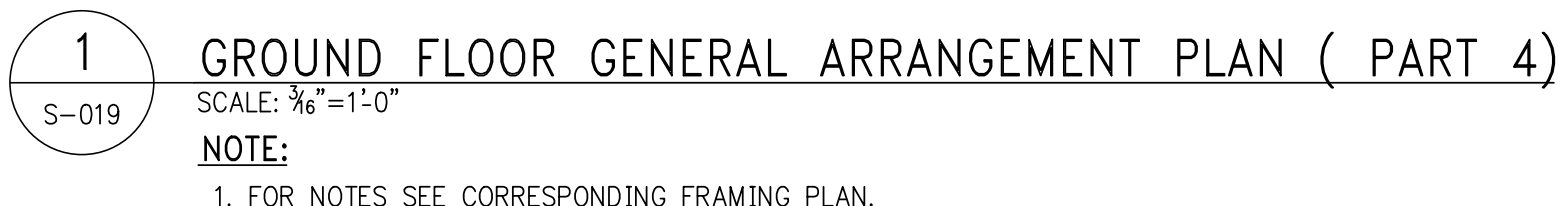


DWG TITLE: GROUND FLOOR
GENERAL ARRANGEMENT
PLAN (PART 3)
NB#XXXXXXXX

SEAL & SIGNATURE	DATE: 07/03/2015
	PROJECT # 1587004
	SCALE: AS NOTED
	S-018.00
	DWG NO.

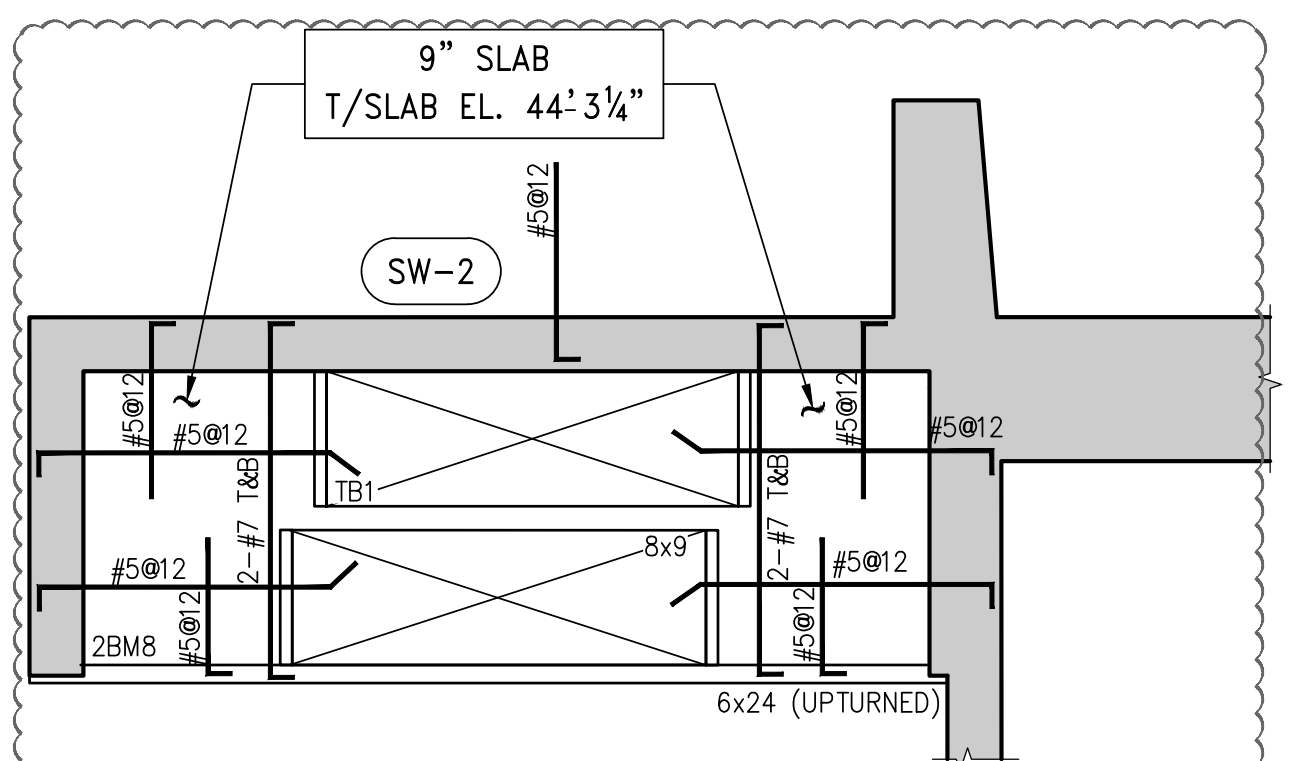
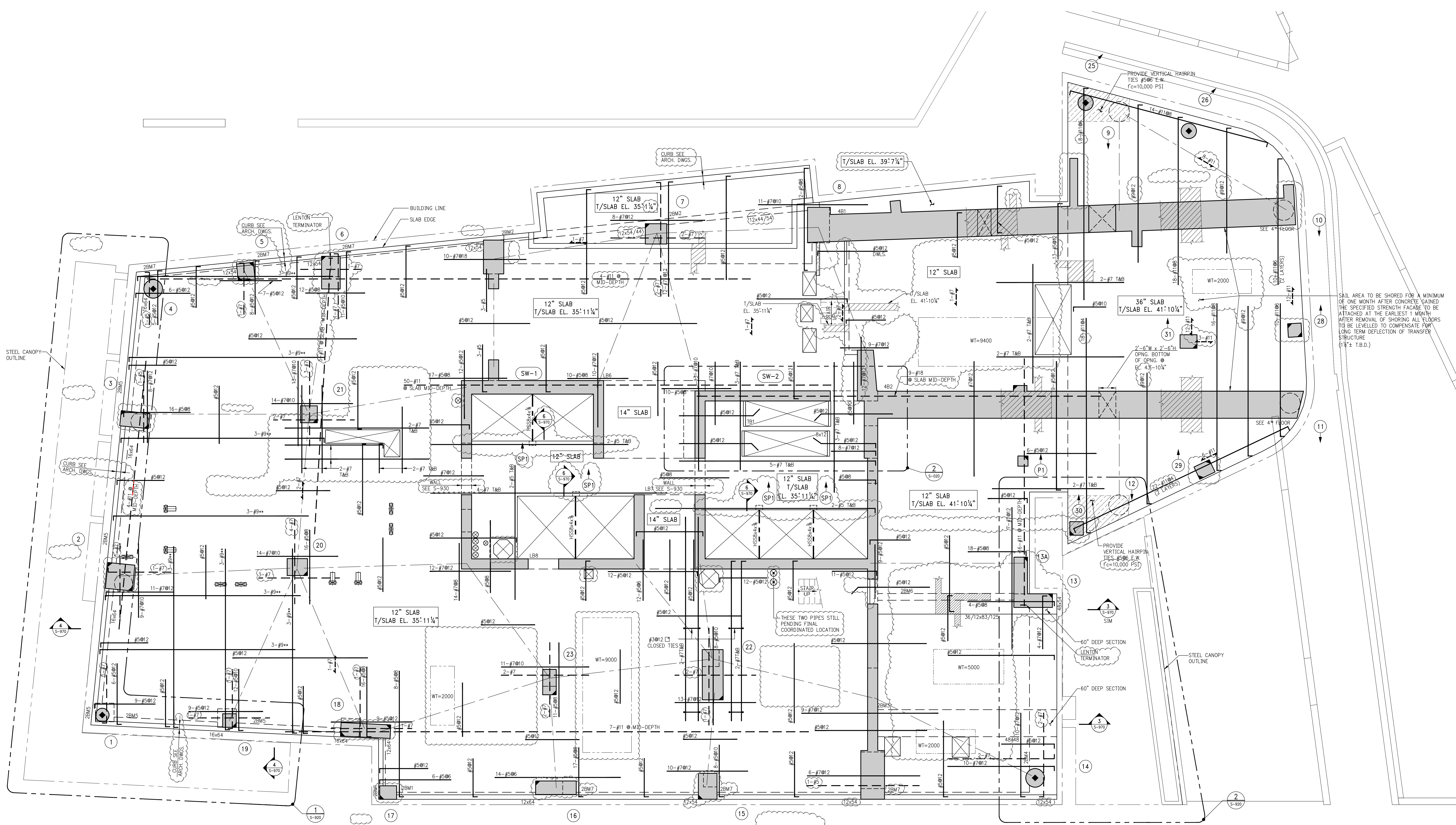


1 GROUND FLOOR GENERAL ARRANGEMENT PLAN (PART 3)
S-018
SCALE: 3/8"=1'-0"
NOTE:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.



NOTE:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

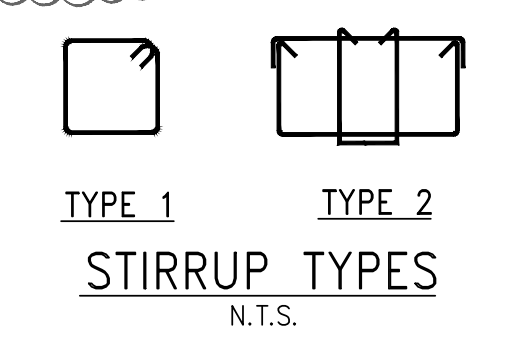
KEY PLAN



1 2ND FLOOR FRAMING PLAN
SCALE: 3/8\"/>

- NOTES:
1. TOP OF SLAB ELEVATION TO BE 35'-11 1/4\"/>
 2. SLAB TO BE 12\"/>
 3. BOTTOM REINFORCEMENT TO BE #5@12 CONT. E-W FOR 9\"/>
 4. ** BARS TO BE CENTERED ON CANOPY BEAMS AND DEVELOPED INTO CONCRETE SUPPORT BEAM AS PER SECTION S-970.
 5. FOR BALANCE OF NOTES SEE DRAWING S-010.

BEAM SCHEDULE									
BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS		REMARKS	
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SIZE		
2BM1	12	64	3-#9	3-#9		1	#4	#4@12 E-F SKIN REINFORCING	
2BM2	12	VARIES	3-#9	3-#9		1	#4	#4@12 E-F SKIN REINFORCING	
2BM3	48	48	5-#11	5-#11		1	#4	#4@12 E-F SKIN REINFORCING	
2BM4	48	(54)	7-#11	4-#9		1	#4	#4@12 E-F SKIN REINFORCING	
2BM5	16	64	4-#9	4-#9		1	#4	#4@12 E-F SKIN REINFORCING	
2BM6	36/12	83/125	7-#11	7-#11		2	#4	#4@12 E-F SKIN REINFORCING	
2BM7	12	54	3-#9	3-#9		1	#4	#4@12 E-F SKIN REINFORCING	
2BM8	6	24	2-#8 (2 LAYERS)	2-#8 (2 LAYERS)		1	#3	#6 UPTURNED BEAM	



Number	Date	Revision
14	06/02/2017	100% SUBMISSION
13	04/14/2017	100% FOR CONSTRUCTION
12	12/02/2016	80% CD
11	10/02/2016	80% CD UPDATED SET (REVISIONS)
10	10/02/2016	80% CD UPDATED SET
9	08/22/2016	80% CD (NO ARCH FLOOR)
8	09/14/2016	80% CD
7	06/01/2016	100% SUPERSTRUCTURE AWARD SET - REV. 1
6	04/15/2016	100% SUPERSTRUCTURE AWARD SET
5	07/01/2015	100% SUBMISSION
4	07/02/2015	100% CD
3	03/20/2015	50% CD
2	03/02/2015	100% FILING
1	12/17/2015	100% SD

OWNER: GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT: RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT: GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT: RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

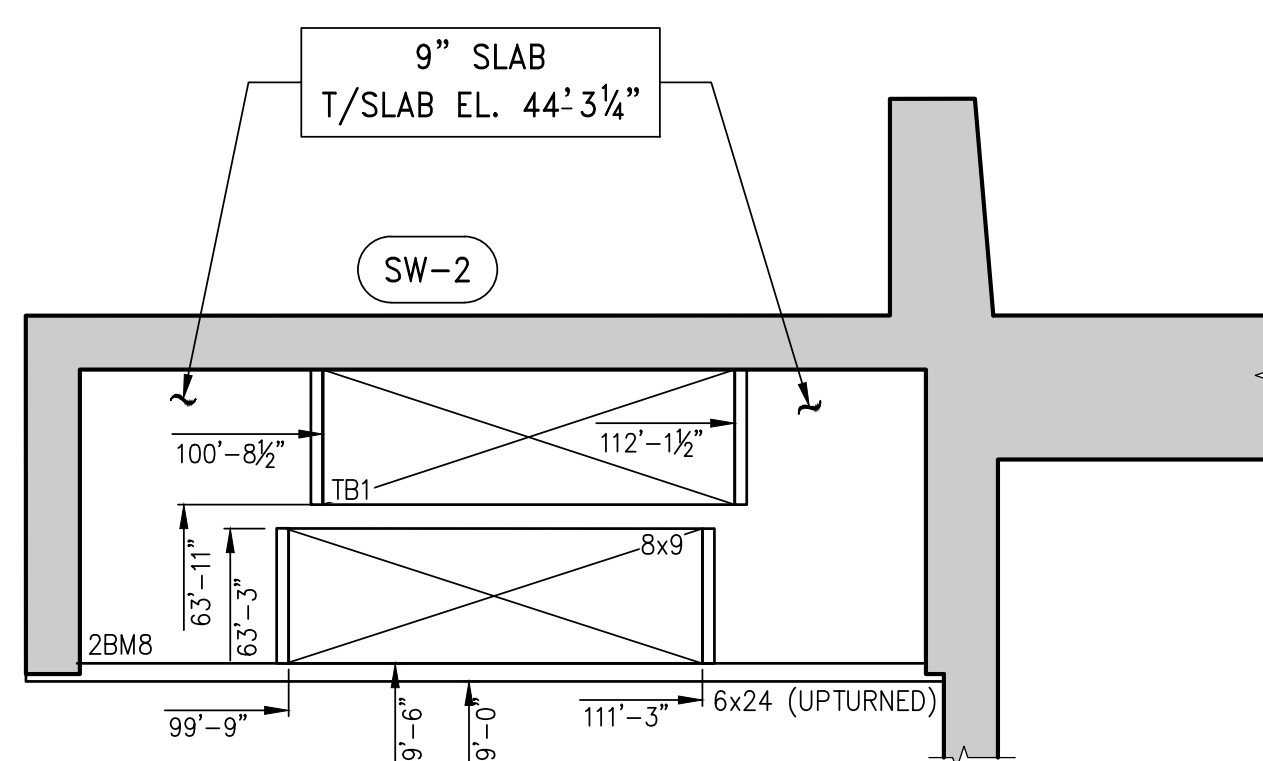
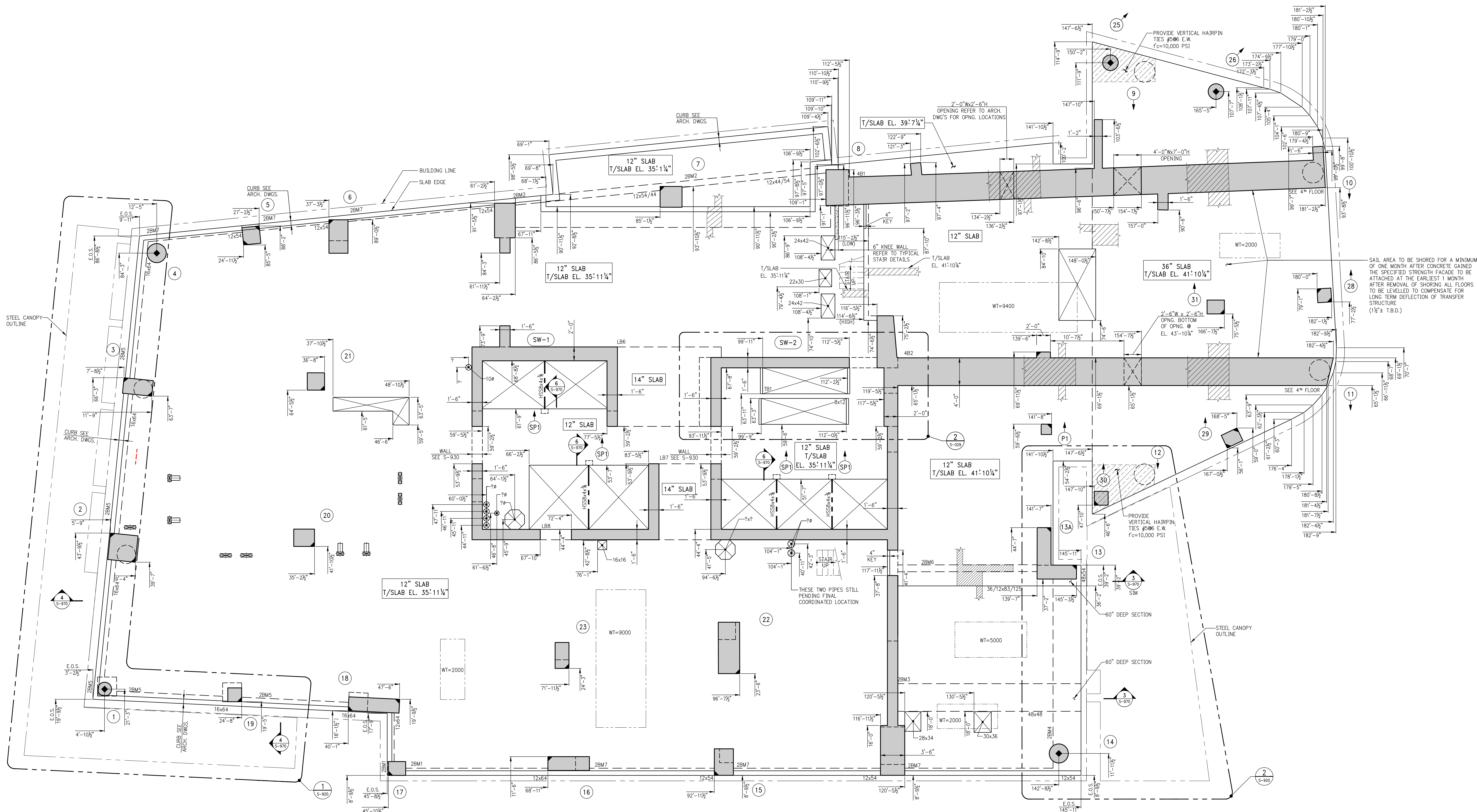
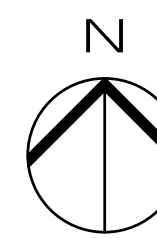
STRUCTURAL ENGINEER: WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/P ENGINEER: WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES: Victor Daza
APPROVED Under Executive e-1795
EXPERIENCE VERIFICATION
Date: 02/04/2018
NYC Development Hub

DWG TITLE: 2ND FLOOR FRAMING PLAN
NB#XXXXXXXXX
SEAL & SIGNATURE: [Stamp] DATE: 07/03/2015
PROJECT # 188016
SCALE: AS NOTED
S-020.00
DWG NO.

KEY PLAN



INTERMEDIATE STAIR LANDING
BETWEEN 2ND & 3RD FL. GENERAL ARRANGEMENT PLAN
SCALE: 3/8\"/>

NOTE:
1. FOR BALANCE OF INFORMATION SEE
CORRESPONDING OVERALL FRAMING PLAN

1 2ND FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/8\"/>

NOTE:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

Number	Date	Revision
9	06/02/2017	DOB SUBMISSION
7	04/14/2017	ISSUE FOR CONSTRUCTION
6	10/02/2016	85% CD
5	10/28/2016	85% CD UPDATED SET (REVISIONS)
4	10/05/2016	85% CD UPDATED SET
3	09/14/2016	85% CD (2ND-4TH FLOOR)
2	06/01/2016	85% CD
1	04/15/2016	SUPPLEMENTAL AWARD SET - REV. 1 SUPERSTRUCTURE AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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DESIGN ARCHITECT:
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ARCHITECTS, LLP
475 Tenth Avenue
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Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/PFP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

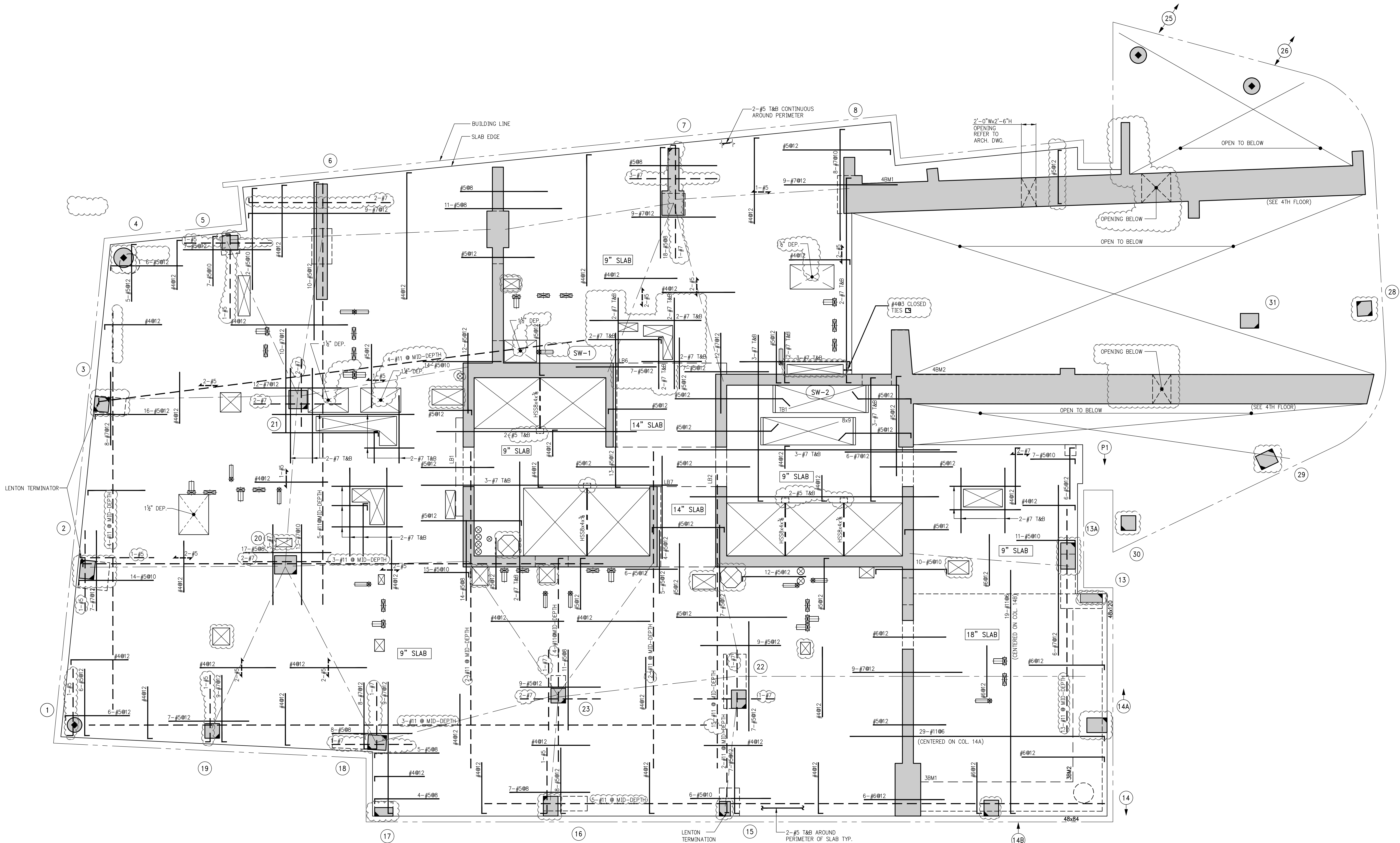
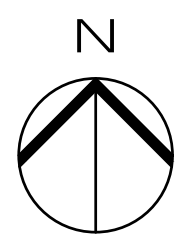
DOB STAMPS & SIGNATURES:



DWG TITLE
2ND FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXX

SEAL & SIGNATURE: [Stamp] DATE: 07/03/2015
PROJECT # 188104
SCALE: AS NOTED
DWG NO. S-029.00

KEY PLAN

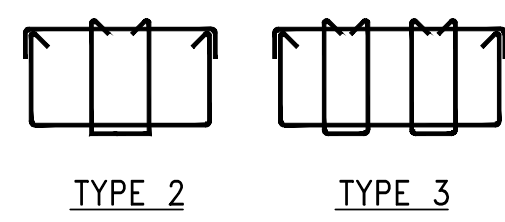


1 3RD FLOOR FRAMING PLAN
S-030 SCALE: 3/8\"/>

- NOTES:
- TOP OF SLAB ELEVATION TO BE 5'2\"/>
 - SLAB TO BE 9\"/>
 - BOTTOM REINFORCEMENT TO BE #4@12 CONT. E.W. FOR 9\"/>
 - FOR BALANCE OF NOTES SEE DRAWING S-010.

BEAM SCHEDULE								
BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS		REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SPACING	
3BM1	48	84	20-#11 (2 LAYERS)	4-#11		2	#5 @10	*
3BM2	48	120	30-#11 (2 LAYERS)	6-#11		3	#5 @6	*

* PROVIDE #5@12 E.F. SKIN REINFORCEMENT



STIRRUP TYPES
N.T.S.

12	06/02/2017	03B SUBMISSION
11	04/14/2017	ISSUE FOR CONSTRUCTION
10	12/02/2016	85% CD
9	10/02/2016	85% CD UPDATED SET
8	09/02/2016	85% CD (2ND-4TH FLOOR)
7	09/14/2016	85% CD
6	04/15/2016	SUPPLEMENTAL AWARD SET
5	07/01/2015	03B SUBMISSION
4	07/02/2015	100% CD
3	03/20/2015	50% CD
2	03/09/2015	100% CD
1	12/17/2015	100% CD

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

STRUCTURAL ENGINEER:
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CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
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CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

03B STAMPS & SIGNATURES:

DWG TITLE:
3RD FLOOR FRAMING PLAN

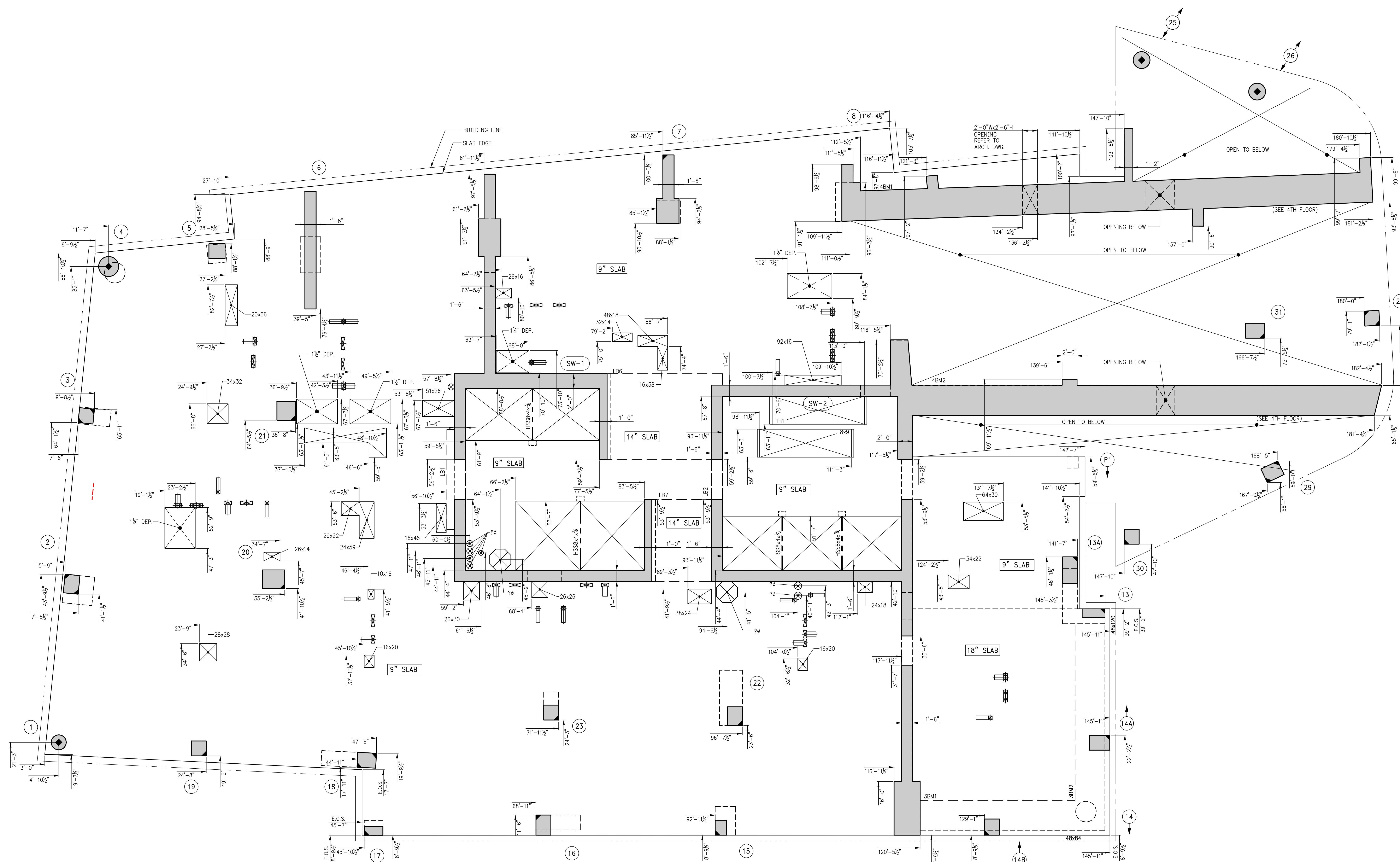
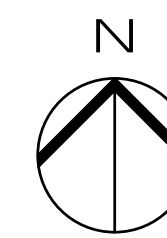
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/01/2015
PROJECT #: 188104
SCALE: 3/8\"/>

S-030.00
DWG NO.

KEY PLAN



1 3RD FLOOR GENERAL ARRANGEMENT PLAN
S-039
SCALE: 3/8" = 1'-0"
NOTE:
1. FOR FOR NOTES SEE CORRESPONDING FRAMING PLAN

8	08/02/2017	026 SUBMISSION
7	04/14/2017	ISSUE FOR CONSTRUCTION
6	12/02/2016	85% CD
5	10/01/2016	85% CD UPDATED SET (REVISING)
4	10/05/2016	85% CD UPDATED SET
3	08/23/2016	85% CD (2ND-14TH FLOOR)
2	08/14/2016	85% CD
1	04/15/2016	SUPERSTRUCTURE AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GTHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
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ARCHITECTS, LLP
475 Tenth Avenue
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WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

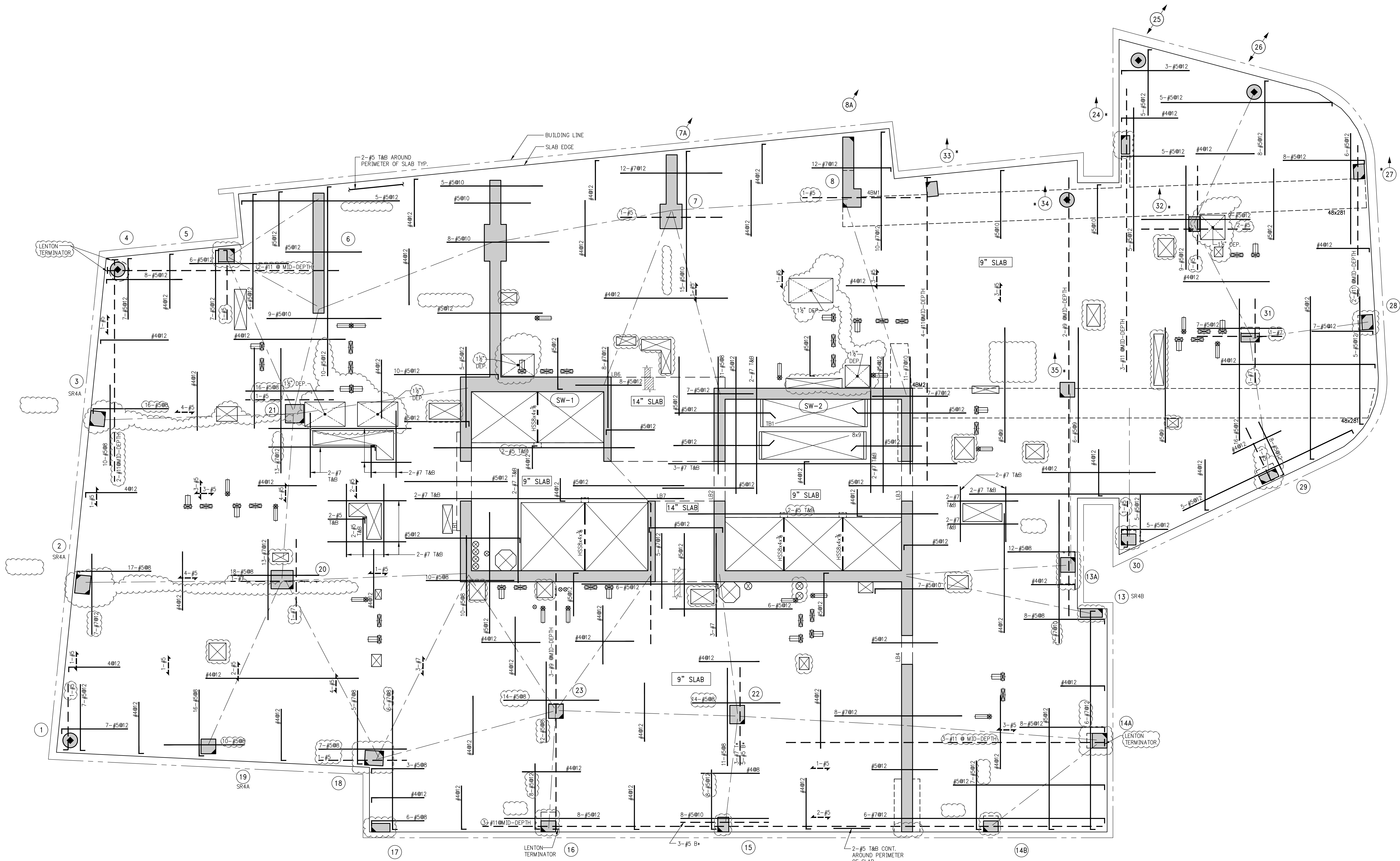
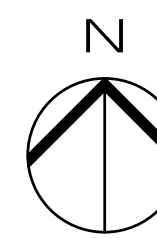
MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

DWG TITLE:
3RD FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:

KEY PLAN



SCHEDULE OF STUDRAIL SLAB SHEAR REINFORCEMENT AT COLUMNS 4TH FLOOR								
STUD RAIL MARK	COLUMN NUMBER	SLAB THICKNESS 'h' (IN.)	NUMBER OF FACES REINFORCED	NUMBER OF STUDRAIL ON LONGSIDE	NUMBER OF STUDRAIL ON SHORTSIDE	TOTAL NUMBER OF STUDRAILS	STUD DIAMETER	NUMBER OF STUDS PER RAIL
SR4A	2,3,19	9	3	3	3	9	5/8	5
SR4B	13	9	2	4	2	6	5/8	6
SR4C	18	9	4	3	3	12	5/8	5

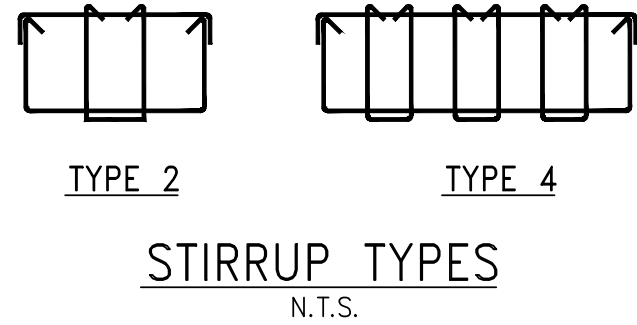
NOTES:
REFER TO TYPICAL STUDRAIL DETAIL ON S-957 FOR BALANCE OF INFORMATION

1 4TH FLOOR FRAMING PLAN
SCALE: 3/8" = 1'-0"

- NOTES:
- TOP OF SLAB ELEVATION TO BE 62'-3 3/4" U.O.N. THIS [] ON PLAN
 - SLAB TO BE 9" THICK U.O.N. THIS [] ON PLAN
 - BOTTOM REINFORCEMENT TO BE #4@12 CONT. E.W. FOR 14" SLAB U.O.N.
 - [XX] ON PLAN INDICATES: EXTEND VERTICAL REINFORCING TO 2ND FLOOR BELOW FOR BALANCE OF INFORMATION AND REINFORCING REFER TO TYPICAL WALKING COLUMN DETAILS ON DRAWING S-955.
 - FOR BALANCE OF NOTES SEE DRAWING S-910.

BEAM SCHEDULE								
BEAM MARK	WIDTH	SIZE	REINFORCEMENT			STIRRUPS		REMARKS
			BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SPACING	
4BM1	48	281	11-#11 (9 LAYERS)	52-#11 (4 LAYERS)		4	#5	f'c=14,000 psi +/-/+/+/+/+
4BM2	48	281	54-#11 (5 LAYERS)	27-#11 (3 LAYERS)		2	#5	f'c=14,000 psi +/-/+/+/+/+

- PROVIDE #5@9 E.F. SKIN REINFORCEMENT
- EXTEND TOP REBARS 12'-0" PAST EDGE OF BEAM OR TO SLAB EDGE
- BOTTOM REBARS TO HAVE LENTON TERMINATORS @ EACH SUPPORT
- PROVIDE 24#11 TABS ABOVE DOOR OPENINGS. EXTEND REBAR 10'-0" PAST FACE OF EACH OPENING EACH SIDE



Number	Date	Revision
10	06/02/2017	DOB SUBMISSION
9	04/14/2017	ISSUE FOR CONSTRUCTION
8	12/02/2016	80% CD
7	10/05/2016	90% CD UPDATED SET
6	09/23/2016	90% CD (2ND-14TH FLOOR)
5	08/14/2016	90% CD
4	04/15/2016	SUPERSTRUCTURE AWARD SET
3	01/31/2015	DOB SUBMISSION
2	07/03/2015	100% CD
1	03/20/2015	50% CD

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

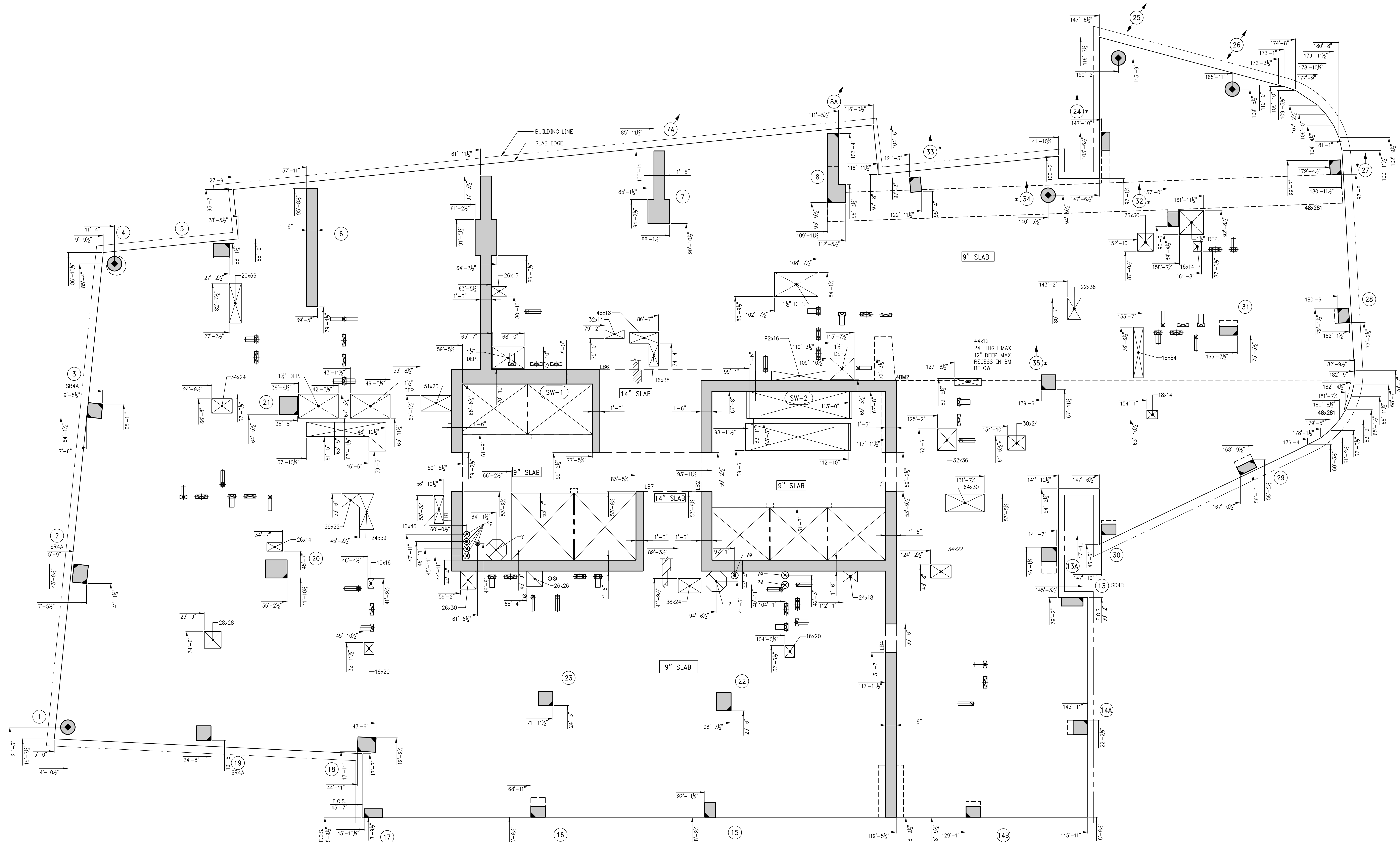
STRUCTURAL ENGINEER:
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CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
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512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

DWG TITLE:
4TH FLOOR FRAMING PLAN

NB#XXXXXXXXXX
DATE: 07/31/2015
PROJECT # 188104
SCALE: 3/8" = 1'-0"
S-040.00
DWG NO.



1 4TH FLOOR GENERAL ARRANGEMENT PLAN
S-049
SCALE: 3/8" = 1'-0"
NOTE:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN

8	06/02/2017	005 SUBMISSION
7	04/14/2017	ISSUE FOR CONSTRUCTION
6	12/02/2016	90% CD
5	10/02/2016	90% CD UPDATED SET (REVISIONS)
4	10/02/2016	90% CD UPDATED SET
3	08/22/2016	90% CD (2ND-14TH FLOOR)
2	08/14/2016	90% CD
1	04/15/2016	SUPERSTRUCTURE AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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ARCHITECTS, LLP
475 Tenth Avenue
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STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

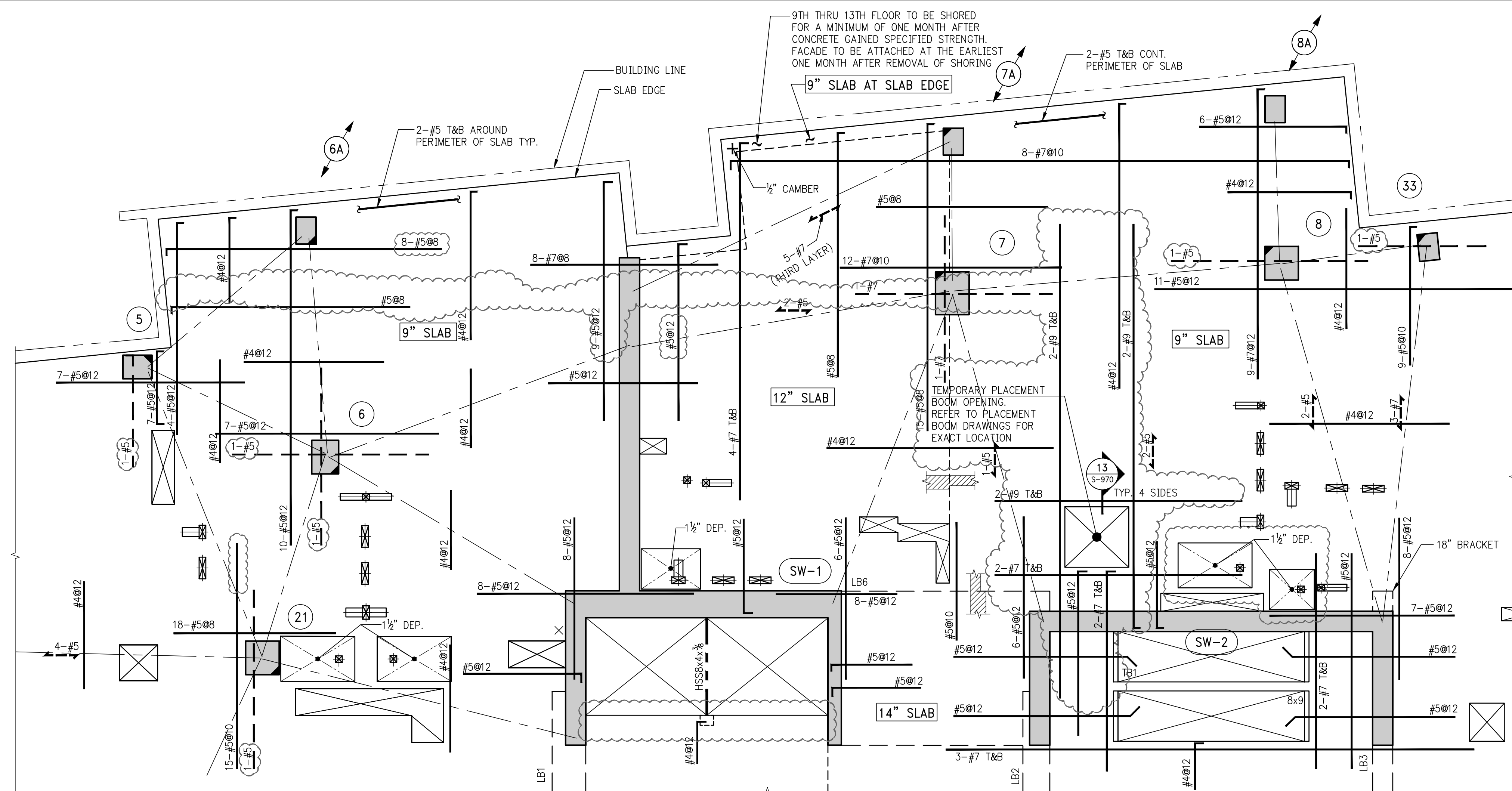
MEP/P ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

DWG TITLE:
4TH FLOOR GENERAL
ARRANGEMENT PLAN
NB #XXXXXXX

SEAL & SIGNATURE:

DATE: 07/03/2015
PROJECT #: 188104
SCALE: 3/8" = 1'-0"
S-049.00
DWG NO.



2 9TH - 13TH FLOOR PART FRAMING PLAN

NOTES:

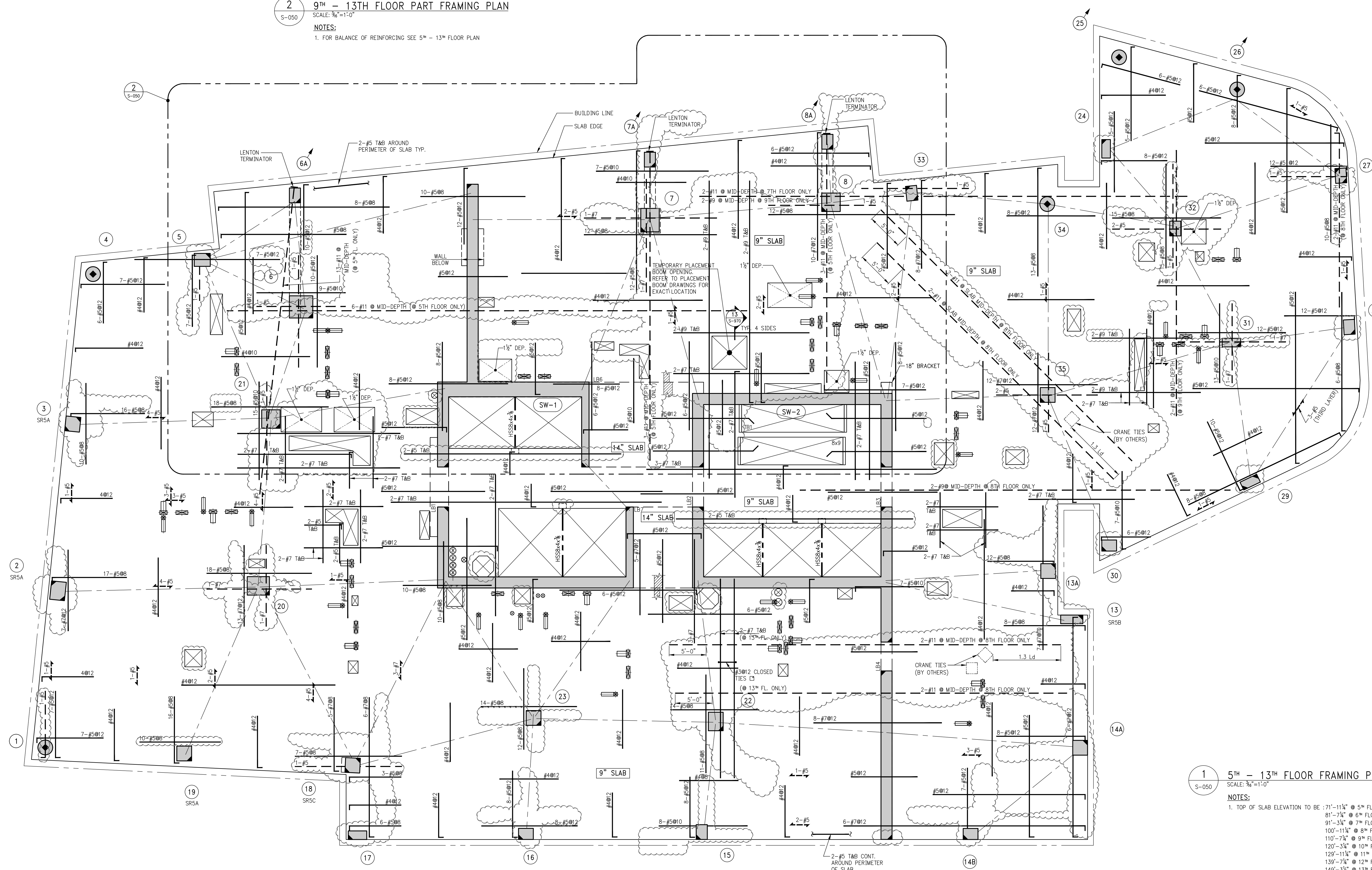
1. FOR BALANCE OF REINFORCING SEE 5TH - 13TH FLOOR PLAN

SCHEDULE OF STUDRAIL SLAB SHEAR REINFORCEMENT AT COLUMNS 15TH-23RD FLOOR

[illegible]

NOTES:

REFER TO TYPICAL STUDRAIL DETAIL ON S-957 FOR BALANCE OF INFORMATION

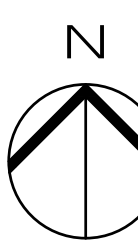


1 5TH - 13TH FLOOR FRAMING PLAN

NOTES:

1. TOP OF SLAB ELEVATION TO BE : 71'-11 5/8" @ 5TH FLOOR U.O.N. ON PLAN
81'-7 3/4" @ 6TH FLOOR U.O.N. ON PLAN
91'-3 3/4" @ 7TH FLOOR U.O.N. ON PLAN
100'-11 1/4" @ 8TH FLOOR U.O.N. ON PLAN
110'-7 3/4" @ 9TH FLOOR U.O.N. ON PLAN
120'-3 3/4" @ 10TH FLOOR U.O.N. ON PLAN
129'-11 1/4" @ 11TH FLOOR U.O.N. ON PLAN
139'-7 3/4" @ 12TH FLOOR U.O.N. ON PLAN
149'-3 3/4" @ 13TH FLOOR U.O.N. ON PLAN
2. SLAB TO BE 9" THICK U.O.N. THUS (C=9")
3. BOTTOM REINFORCEMENT TO BE #4 @ 12" O.C. FOR 9" SLAB U.O.N.
#5 @ 12" O.C. E.W. FOR 12" & 14" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

KEY PLAN



9	06/02/2017	DOB SUBMISSION
8	04/14/2017	ISSUE FOR CONSTRUCTION
7	12/02/2016	95% CD
6	10/05/2016	90% CD UPDATED SET
5	09/23/2016	90% CD (2ND-14TH FLOOR)
4	09/14/2016	90% CD
3	04/15/2016	SUPERSTRUCTURE AWARD SET
2	07/31/2015	DOB SUBMISSION
1	07/20/2015	100% CD

GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING :
NEW YORK, NY

Goldstein, Hill & West Architects, L.P.
11 Broadway, Suite 1700
New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1735

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6060

STRUCTURAL ENGINEER:
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CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
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WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

JOB STAMPS & SIGNATURES:




WORK TITLE: _____

5TH- 13TH FLOOR FRAMING
PLAN

NB#XXXXXXXX

REAL & SIGNATURE:	
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OFFICE OF NEW YORK




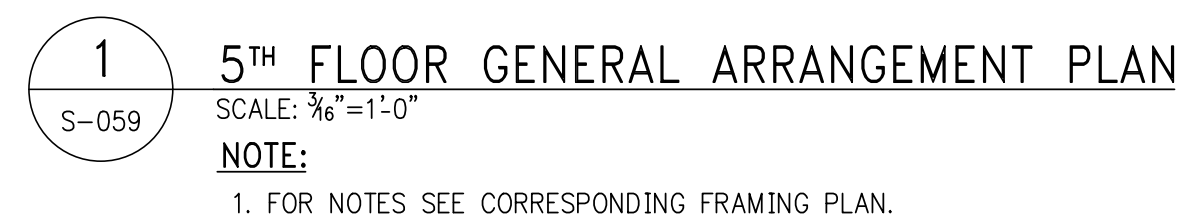
STATE OF NEW YORK
JULIAN L. MARCUS

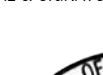
PROJECT # 14290104

SCALE: $3/6" = 1'-0"$

S-050.00

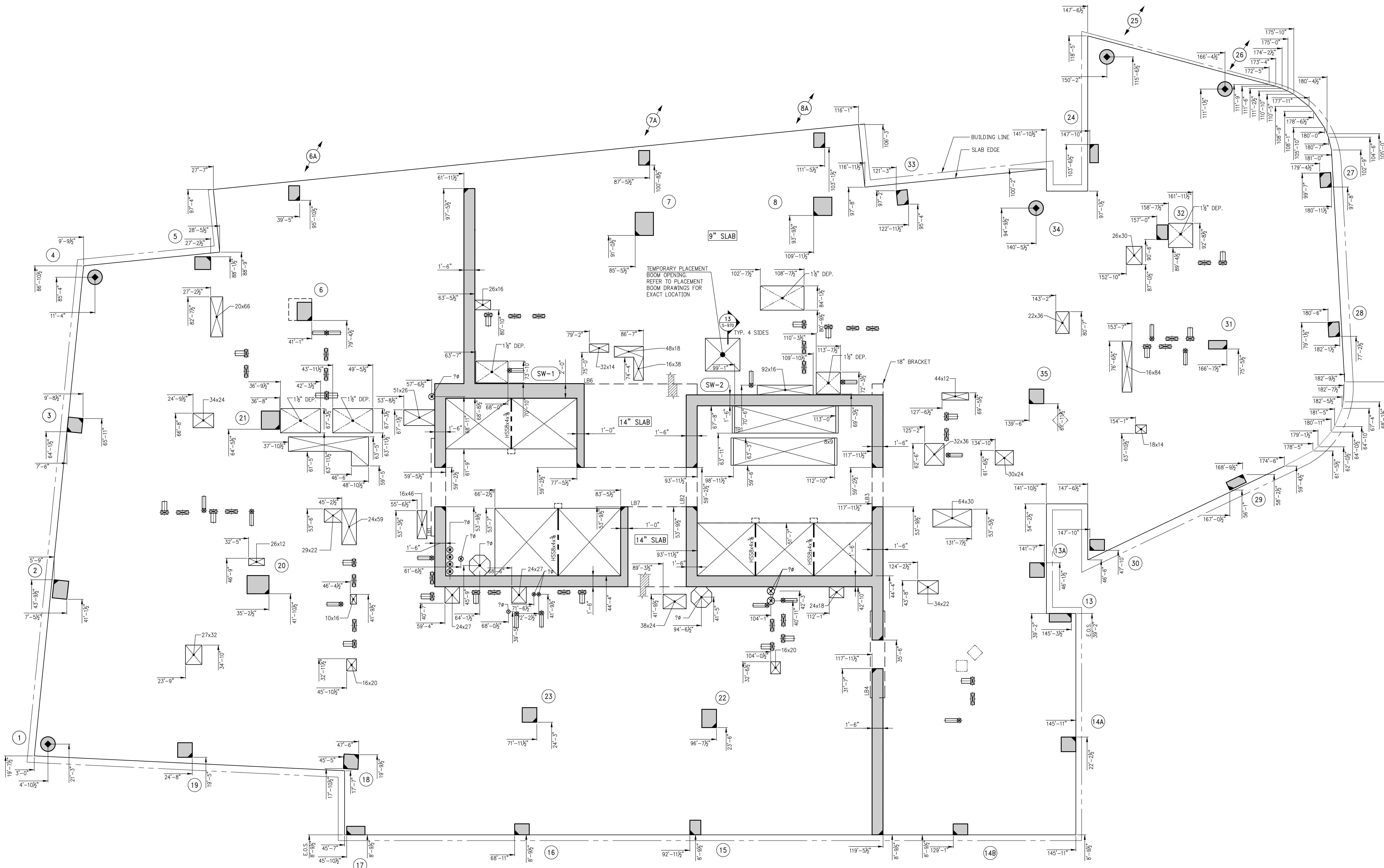
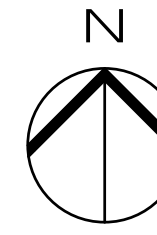
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SEAL & SIGNATURE:	DATE: 07/31/2015
	PROJECT #: 1490104
	SCALE: 3/8" = 1'-0"
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KEY PLAN



1 6TH FLOOR GENERAL ARRANGEMENT PLAN
S-069
SCALE: 3/8"=1'-0"
NOTE:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

Number	Date	Revision
8	04/02/2017	03B SUBMISSION
7	04/14/2017	ISSUE FOR CONSTRUCTION
6	12/02/2016	90% CD
5	10/28/2016	90% CD UPDATED SET (REVISIONS)
4	10/05/2016	90% CD UPDATED SET
3	09/23/2016	90% CD (2ND-14TH FLOOR)
2	08/14/2016	90% CD
1	04/15/2016	SUPERSTRUCTURE AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110


PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GTHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754


DESIGN ARCHITECT:
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ARCHITECTS, LLP
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STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

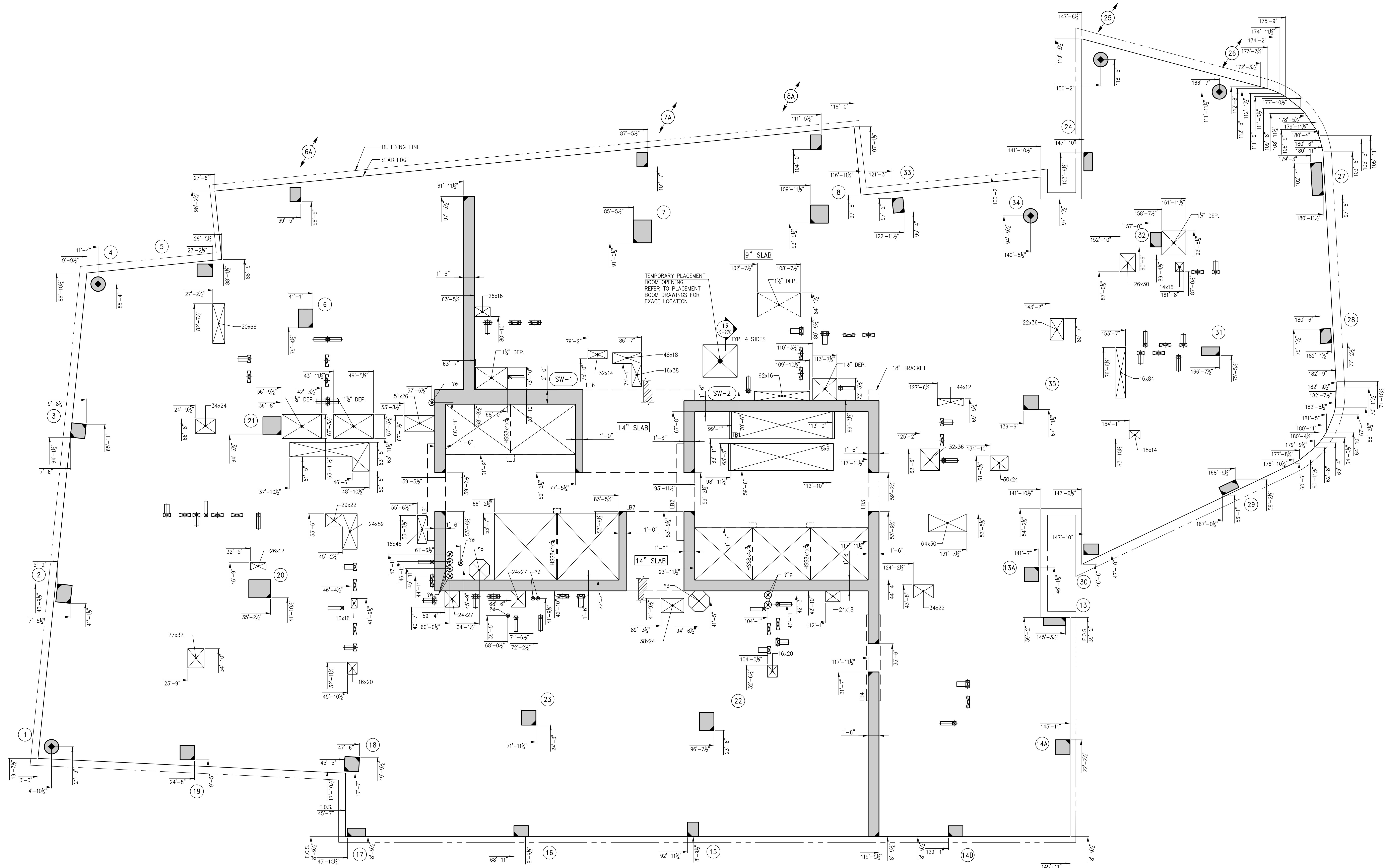
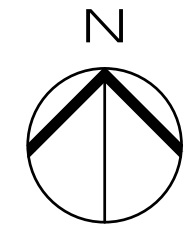
MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:


DWG TITLE:
6TH FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 01/10/2018
PROJECT #: 180104
SCALE: 3/16" = 1'-0"
S-069.00
DWG NO.

KEY PLAN



1 7TH FLOOR GENERAL ARRANGEMENT PLAN
S-079 SCALE: 3/8"=1'-0"

NOTES:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

8	08/02/2017	026 SUBMISSION
7	04/14/2017	ISSUE FOR CONSTRUCTION
6	12/02/2016	95% CD
5	10/20/2016	95% CD UPDATED SET (REVISIONS)
4	10/05/2016	95% CD UPDATED SET
3	09/23/2016	95% CD (2ND-14TH FLOOR)
2	08/14/2016	95% CD
1	04/15/2016	SUPERSTRUCTURE AWARD SET

Number	Date	Revision
OWNER:		
GID DEVELOPMENT 125 HIGH STREET HIGH STREET TOWER, 27TH FLOOR BOSTON, MA 02110		

PROJECT:		
RIVERSIDE CENTER BUILDING 3 NEW YORK, NY		

EXECUTIVE ARCHITECT:		
GWA Goldstein, Hill & West Architects, LLP 11 Broadway, Suite 1700 New York, NY 10004 Tel (212) 213-8007 Fax (212) 686-1754		

DESIGN ARCHITECT:		
RICHARD MEIER & PARTNERS ARCHITECTS, LLP 475 Tenth Avenue New York, NY 10018 Tel: (212) 967-6560		

STRUCTURAL ENGINEER:		
WSP BUILDING STRUCTURES CONSULTING ENGINEERS 228 East 45th St, 3rd Floor New York, NY 10017 Tel: (212) 687-9888 Fax: (646) 487-5501		

MEP/FP ENGINEER:		
WSP BUILDING SYSTEMS CONSULTING ENGINEERS 512 Seventh Avenue New York, NY 10018 Tel: (212) 532-9600		

DOB STAMPS & SIGNATURES:		
Victor Daza APPROVED Under Executive of 1975 EXEMPTED FROM REGISTRATION Date: 02/04/2018 NYC Development Hub		

DWG TITLE:		
7TH FLOOR GENERAL ARRANGEMENT PLAN NB#XXXXXXXX		

SEAL & SIGNATURE:		DATE: 02/04/2018
PROJECT # 188704		SCALE: 3/8" = 1'-0"
DWG NO: S-079.00		

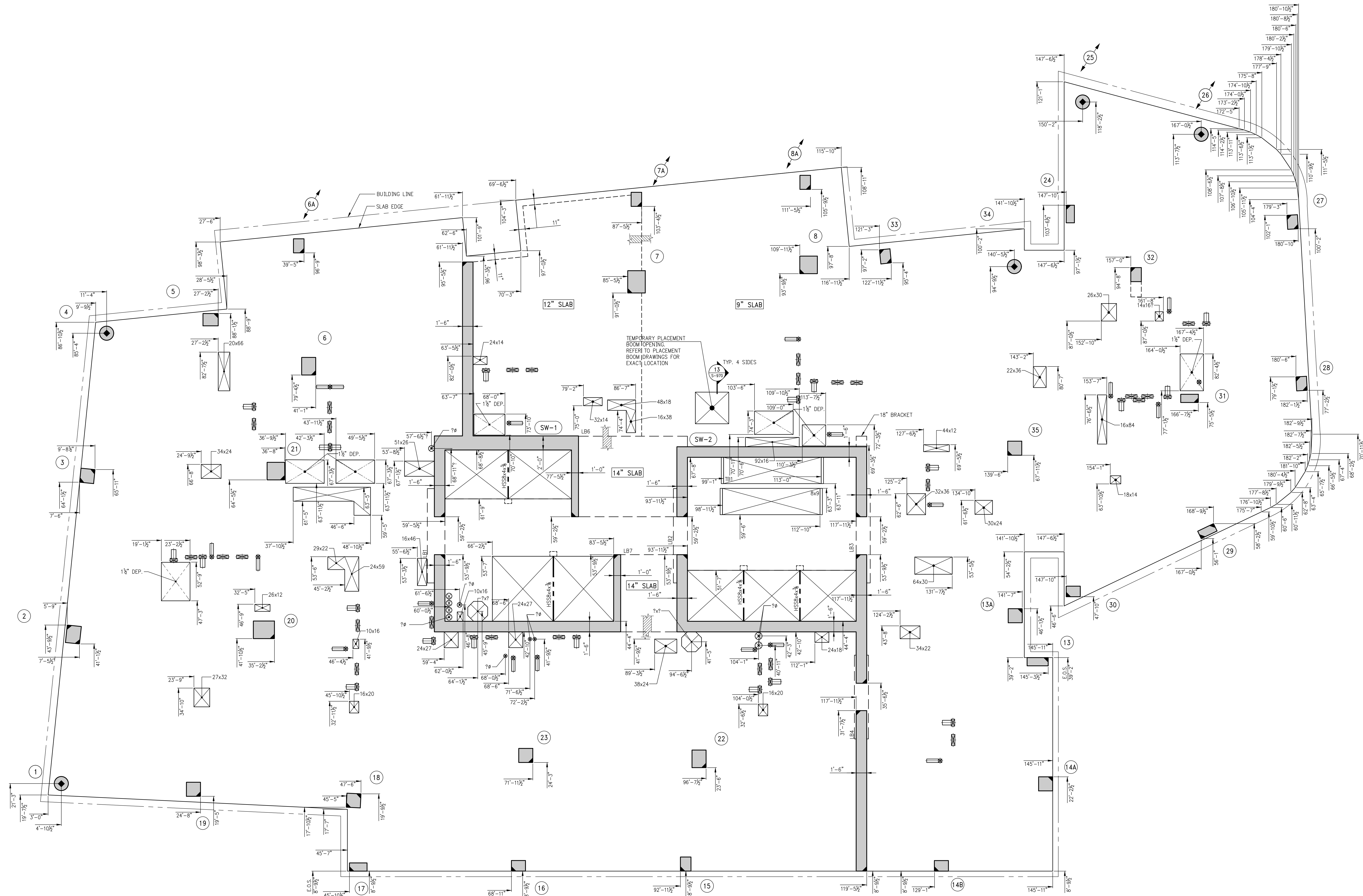


1. FOR NOTES SEE CORRESPONDING FRAMING PLAN

S-089,00



KEY PLAN



1 9TH FLOOR GENERAL ARRANGEMENT PLAN
S-099 SCALE: 3/8\"=1'-0"

NOTES:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

8	08/02/2017	038 SUBMISSION
7	04/14/2017	ISSUE FOR CONSTRUCTION
6	12/02/2016	85% CD
5	10/02/2016	80% CD UPDATED SET (REVISIONS)
4	10/02/2016	80% CD UPDATED SET
3	09/23/2016	90% CD (2ND-14TH FLOOR)
2	08/14/2016	80% CD
1	04/15/2016	SUPERSTRUCTURE AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
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ARCHITECTS, LLP
475 Tenth Avenue
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Tel: (212) 967-6560

STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

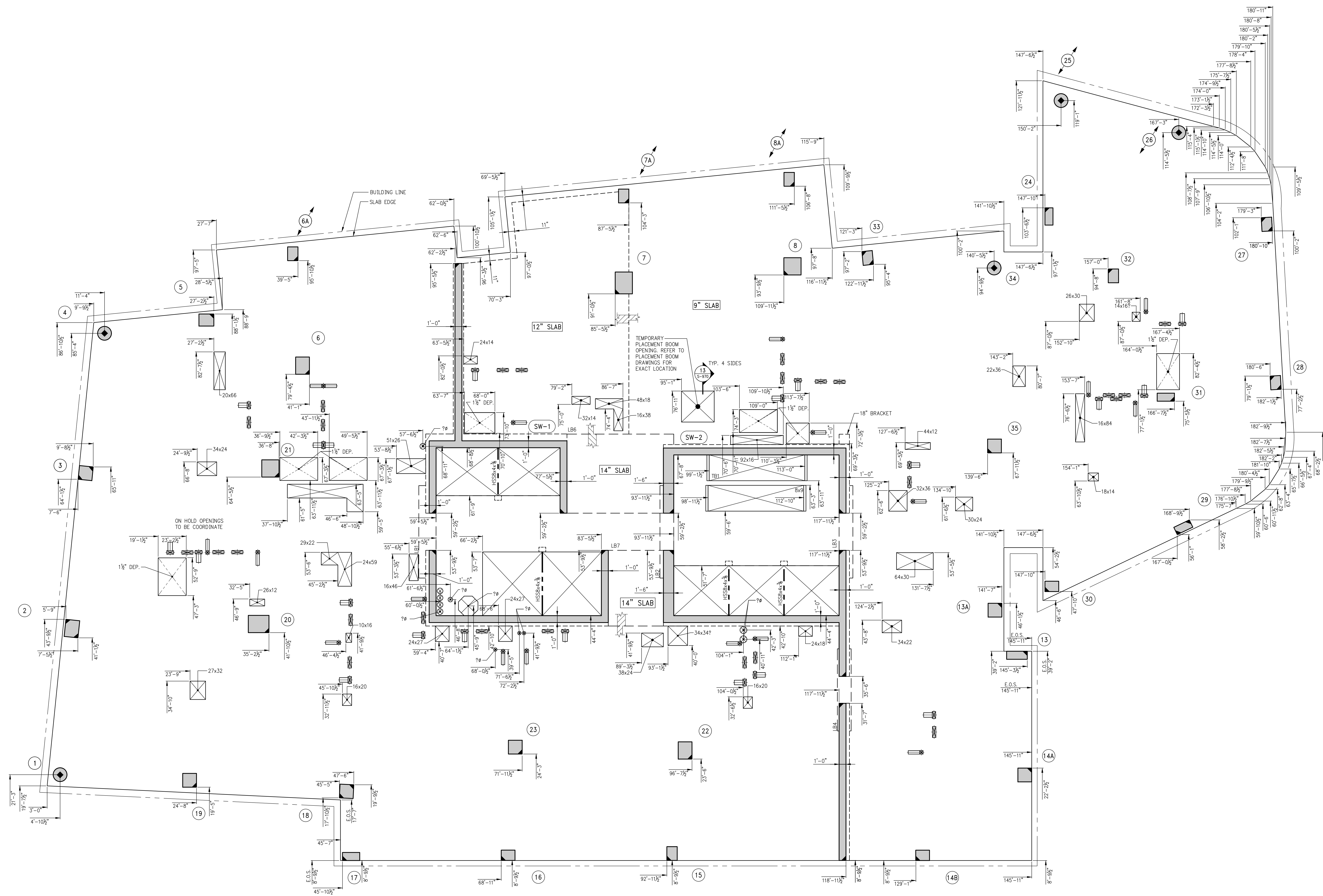
MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

DWG TITLE:
9TH FLOOR
GENERAL ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:

KEY PLAN



1 10TH FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/8"=1'-0"

NOTES:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

6	06/02/2017	DOS SUBMISSION
7	06/14/2017	ISSUE FOR CONSTRUCTION
8	12/02/2016	85% CD
9	10/28/2016	80% CD (UPDATED SET (REVISIONS))
4	10/02/2016	80% CD (REVISED SET)
3	09/23/2016	80% CD (2ND-14TH FLOOR)
2	09/14/2016	85% CD
1	06/15/2016	SUPERSTRUCTURE AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GTHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

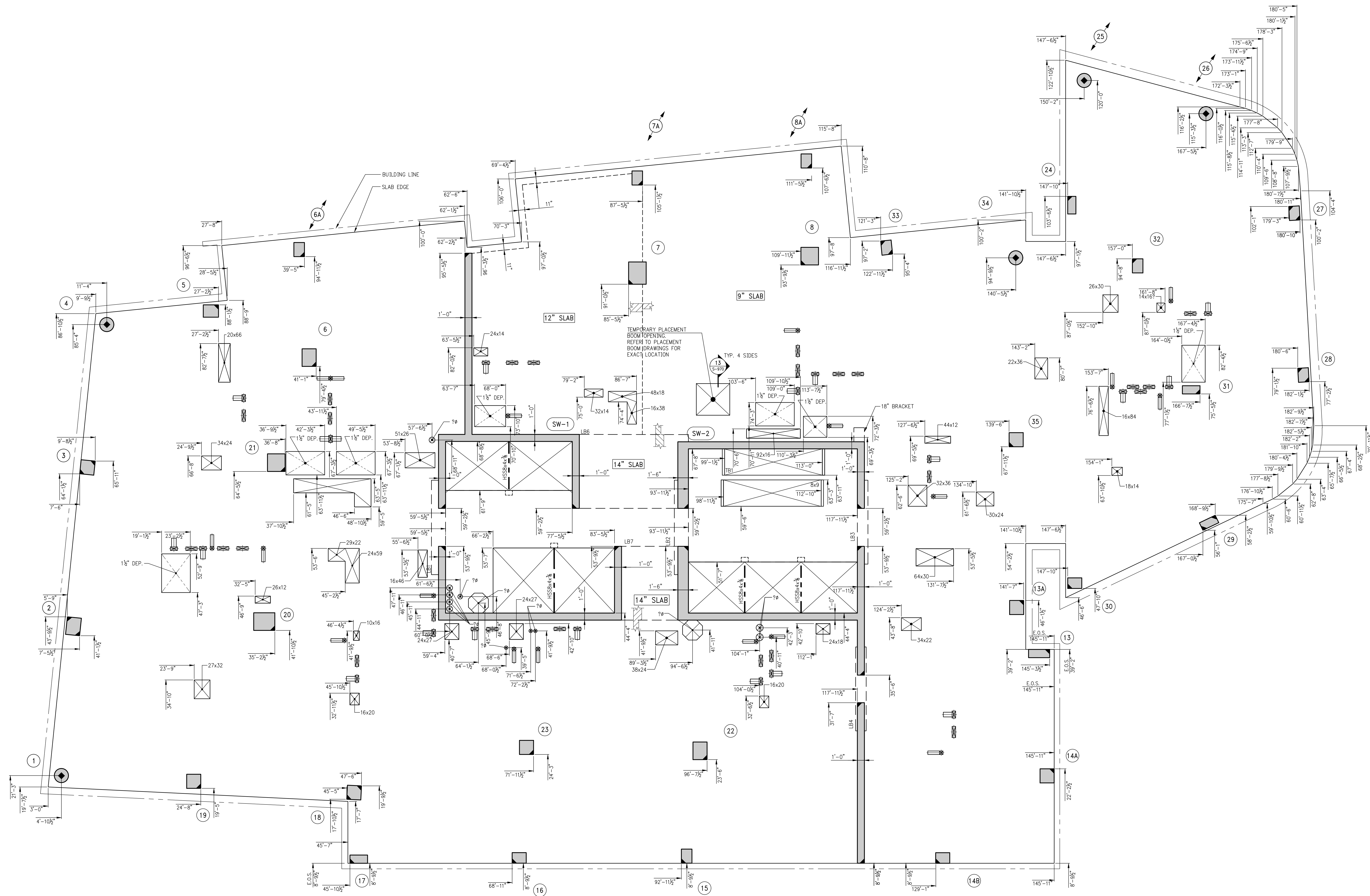
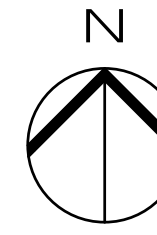
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DWG TITLE:
10TH FLOOR
GENERAL ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 02/04/2018
PROJECT #: 180704
SCALE: 3/8" = 1'-0"
S-109.00
DWG NO.

KEY PLAN



1 11TH FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/8"=1'-0"

NOTES:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

8	08/02/2017	028 SUBMISSION
7	04/14/2017	ISSUE FOR CONSTRUCTION
6	12/02/2016	95% CD
5	10/28/2016	95% CD (UPDATED SET (REVISIONS))
4	10/05/2016	95% CD (UPDATED SET)
3	09/23/2016	95% CD (NO 14TH FLOOR)
2	09/14/2016	95% CD
1	04/15/2016	SUPERSUBSTRUCTURE AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GTHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
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ARCHITECTS, LLP
475 Tenth Avenue
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Tel: (212) 967-6560

STRUCTURAL ENGINEER:
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CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/P ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

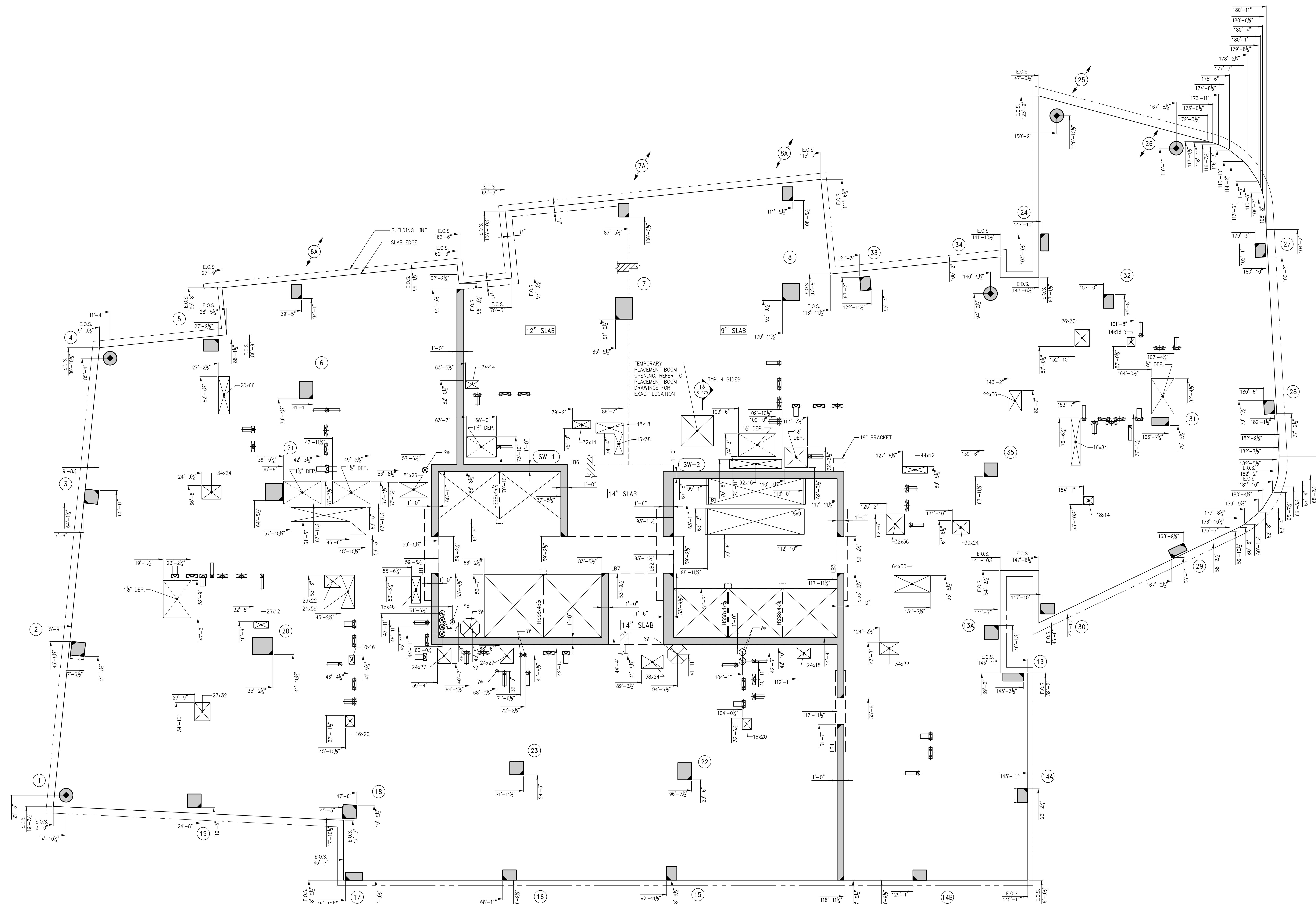
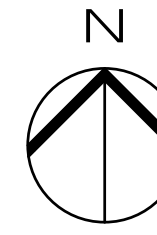
DOB STAMPS & SIGNATURES:

DWG TITLE:
11TH FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 01/10/2018
PROJECT #: 188704
SCALE: AS NOTED
DWG NO: S-119.00

KEY PLAN



1 12TH FLOOR GENERAL ARRANGEMENT PLAN
S-129 SCALE: 3/8"=1'-0"

NOTES:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

10	06/02/2017	DOB SUBMISSION
9	04/14/2017	ISSUE FOR CONSTRUCTION
8	12/02/2016	95% CD
7	10/28/2016	90% CD (UPDATED SET (REVISIONS))
6	10/02/2016	90% CD (UPDATED SET)
5	09/23/2016	90% CD (2ND 14TH FLOOR)
4	09/14/2016	90% CD
3	04/15/2016	SUPERSTRUCTURE AWARD SET
2		
1		

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GTHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
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Tel: (212) 967-6560

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CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/P ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

Victor Daza
APPROVED
Under Executive Order 1975
EXEMPTED FROM REGISTRATION
Date: 07/03/2015
NYC Development Hub

DWG TITLE:
12TH FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/03/2015
PROJECT # 188704
SCALE: AS NOTED
S-129.00
DWG NO.



8	06/02/2017	D06 SUBMISSION
7	04/14/2017	ISSUE FOR CONSTRUCTION
6	12/02/2016	90% CD
5	10/28/2016	90% CD UPDATED SET (REVISIONS)
4	10/05/2016	90% CD UPDATED SET
3	09/23/2016	90% CD (2ND-14TH FLOOR)
2	09/14/2016	90% CD
1	04/15/2016	SUPERSTRUCTURE AWARD SET

PROJECT:
RIVERSIDE CENTER BUILDING
NEW YORK, NY

EXECUTIVE ARCHITECT:

Goldstein, Hill & West Architects, L
11 Broadway, Suite 1700
New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1750

DESIGN ARCHITECT:

RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6060

STRUCTURAL ENGINEER:

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CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FP ENGINEER:

WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

Victor Daza
Victor Daza
APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION
Date: 02/06/2018
NYC Development H

DIAG TITLE:

13TH FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:	
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DATE: 07/31/2015

STATE OF NEW YORK JUDICIAL BRANCH JUDGE L. MARC...	PROJECT #: 1490104
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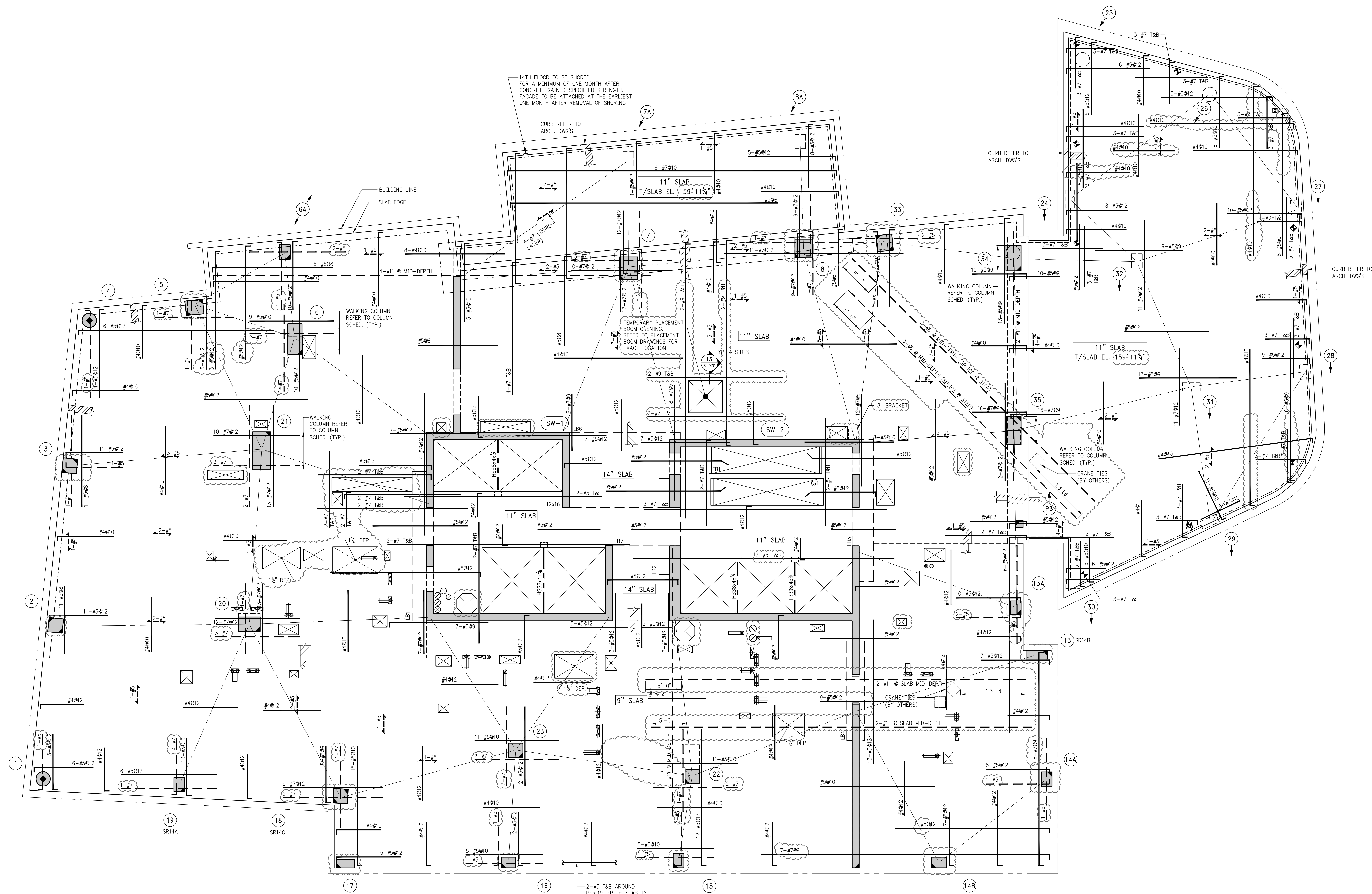
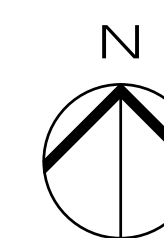


SCALE: AS NOTED




5-139.00

DWG NO. _____



SCHEDULE OF STUDRAIL SLAB SHEAR REINFORCEMENT AT COLUMNS 14TH FLOOR

[illegible]


NOTES:

REFER TO TYPICAL STUDRAIL DETAIL ON S-957 FOR BALANCE OF INFORMATION

14TH FLOOR FRAMING PLAN

1 14TH FLOOR
S-140 SCALE: $\frac{1}{8}" = 1'-0"$

NOTES:

1. TOP OF SLAB ELEVATION TO BE 160'-9 $\frac{3}{4}$ " U.O.N. THUS  ON PLAN
2. SLAB TO BE 11" THICK U.O.N. THUS ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #4@12 CONT. E.W. FOR 9" SLAB U.O.N.
#4@10 CONT. E.W. FOR 11" SLAB U.O.N.
#5@12 CONT. E.W. FOR 14" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

OWNER:	GID DEVELOPMENT 125 HIGH STREET HIGH STREET TOWER, 27TH FLOOR BOSTON, MA 02110
--------	-----------------------------------------------------------------------------------------

PROJECT:
RIVERSIDE CENTER BUILDING
NEW YORK, NY

EXECUTIVE ARCHITECT:

Goldstein, Hill & West Architects, Inc.
11 Broadway, Suite 1700
New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1700

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
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STRUCTURAL ENGINEER:
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MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES



DWG TITLE:

14TH FLOOR FRAMING PLAN

NB#XXXXXXXXXX

SEAL & SIGNATURE:	DATE:
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STATE OF NEW YORK JUL 1 1964	PROJECT #: 1490104
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SCALE: 3/6" = 1'-0"

057530 S-140.00

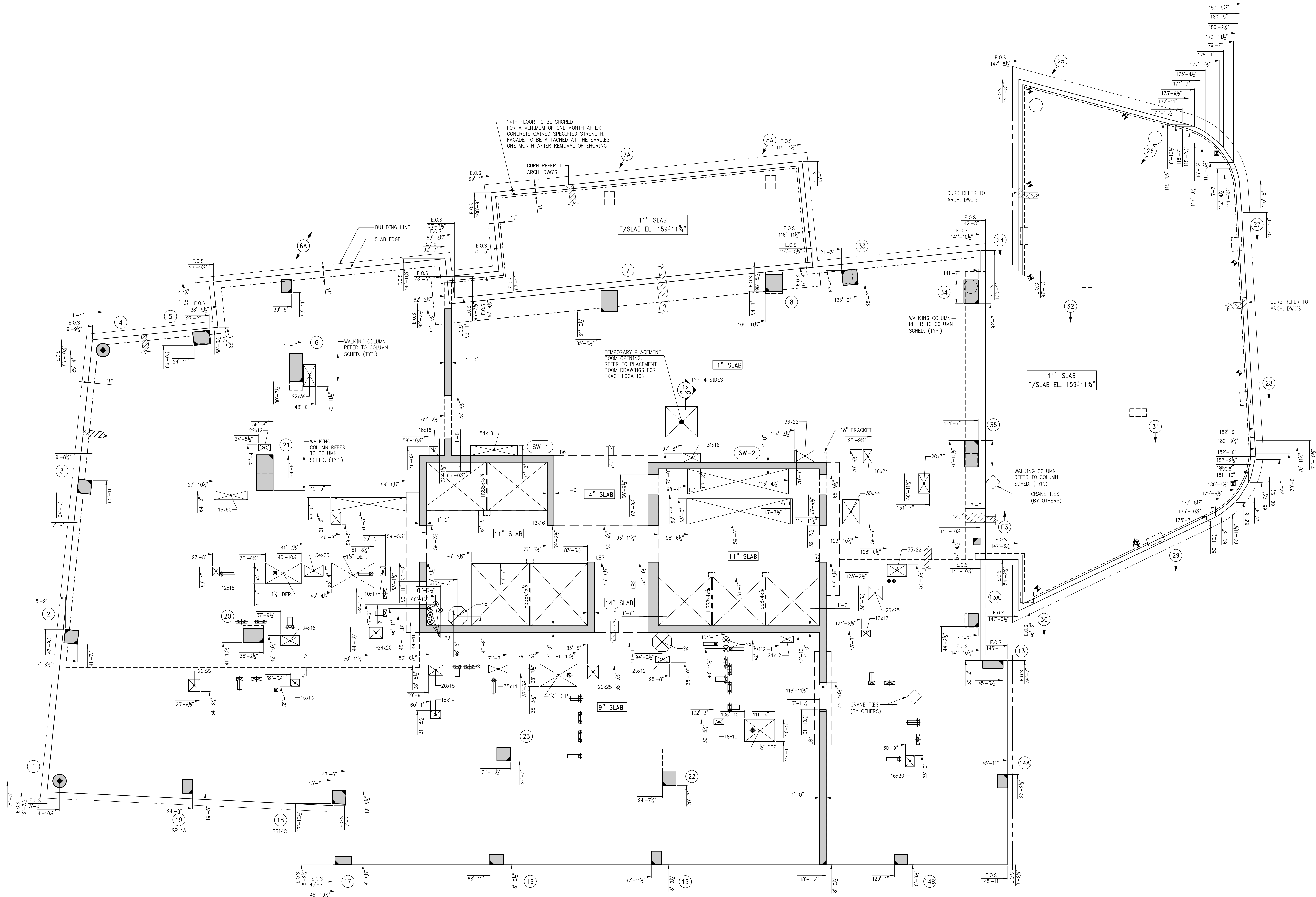
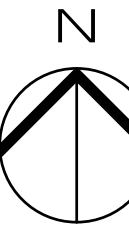


DWG 1

100

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KEY PLAN



1 14TH FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/16" = 1'-0"

NOTES:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

8	06/02/2017	DOB SUBMISSION
7	04/14/2017	ISSUE FOR CONSTRUCTION
6	12/02/2016	80% CD
5	10/28/2016	80% CD (UPDATED SET (REVISIONS))
4	10/05/2016	80% CD (UPDATED SET)
3	09/23/2016	80% CD (NO. 4TH FLOOR)
2	09/14/2016	80% CD
1	04/15/2016	SUPERSTRUCTURE AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
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475 Tenth Avenue
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Tel: (212) 967-6500

STRUCTURAL ENGINEER:
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CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

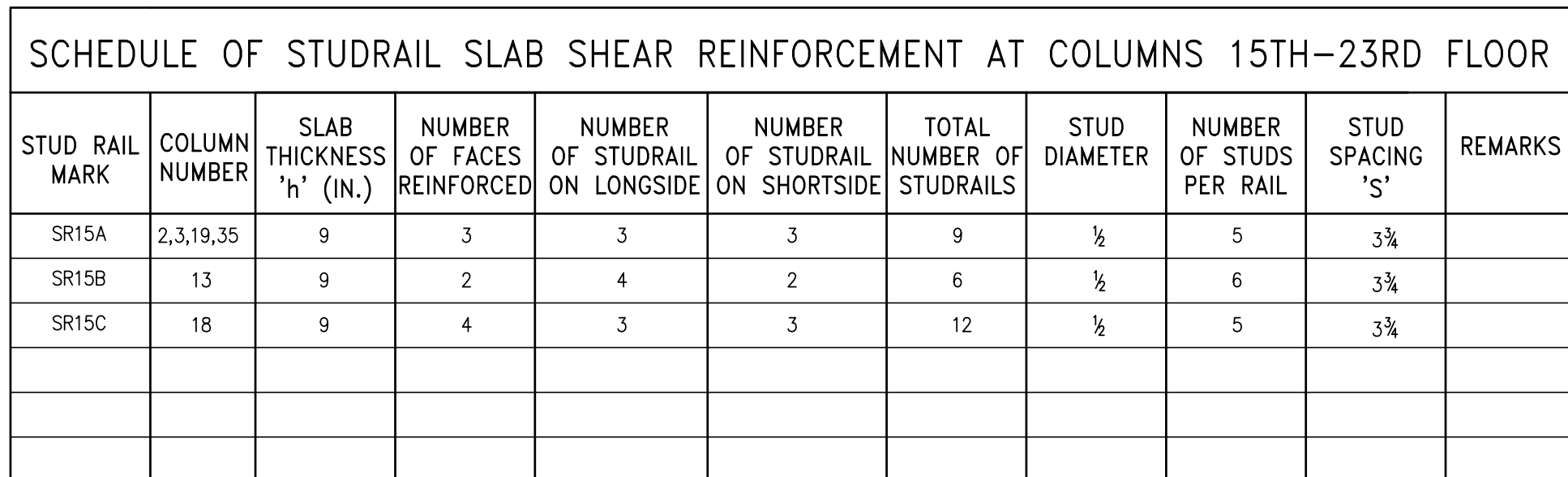
MEP/P ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

DWG TITLE:
14TH FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE:
PROJECT # 148101A
SCALE: 3/16" = 1'-0"
S-149.00
DWG NO.



1 15TH FLOOR FRAMING PLAN
S-150 SCALE: $\frac{3}{8}" = 1'-0"$

- NOTES:**
1. TOP OF SLAB ELEVATION TO BE 171'-7 $\frac{3}{8}$ " @ 15" FLOOR U.O.N. ON PLAN
 2. SLAB TO BE 9" THICK U.O.N. THUS [] ON PLAN.
 3. BOTTOM REINFORCEMENT TO BE: #4@12 CONT. E.W. FOR 9" SLAB U.O.N.
#5@12 CONT. E.W. FOR 14" SLAB U.O.N..
 4. FOR BALANCE OF NOTES SEE DRAWING S-010.

Victor Daza

Victor Daza

APPROVED
Under Directive 2 of 1975
AMENDED APPLICATION

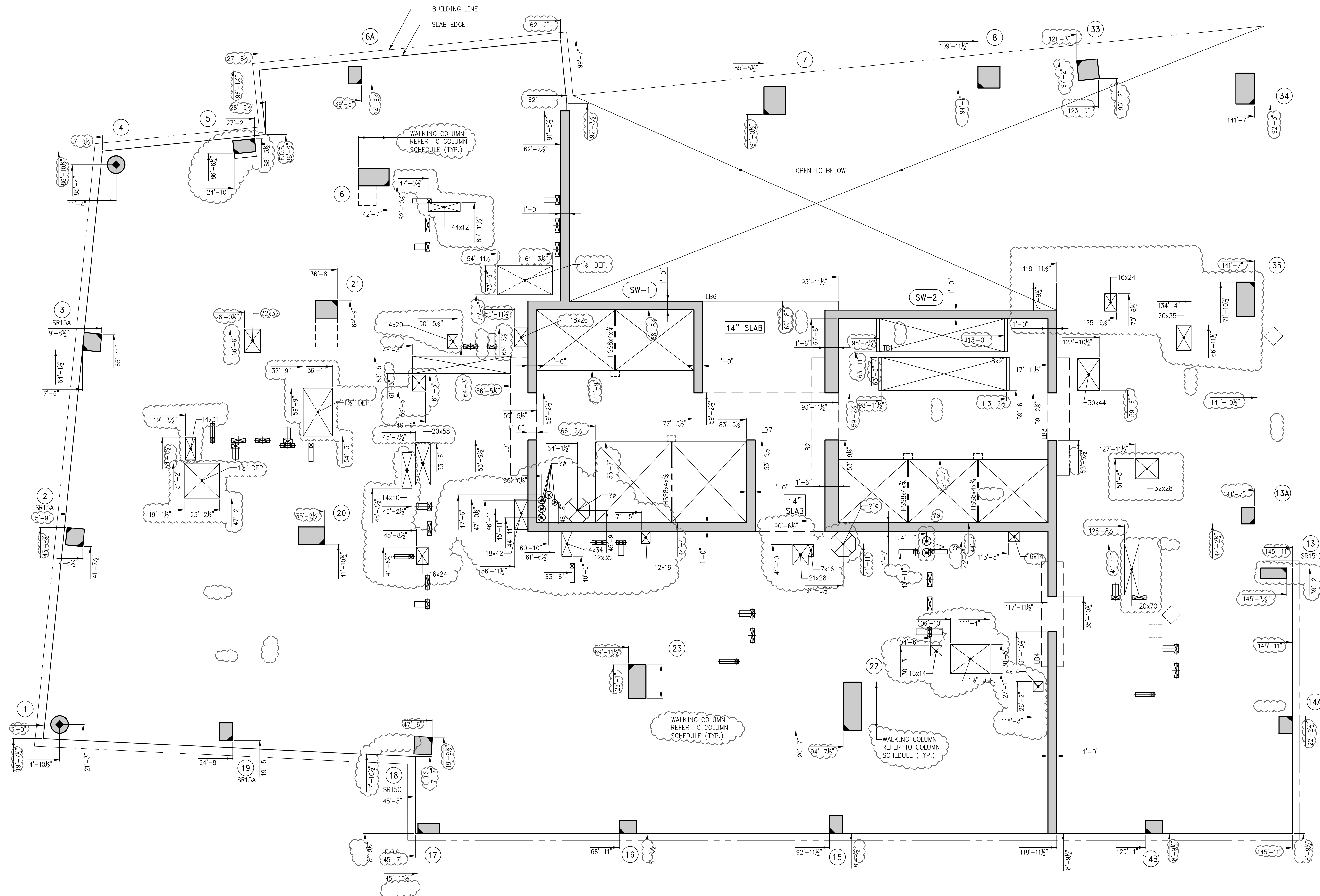
Date: 02/06/2018

NYC Development Hub

15TH FRAMING PLAN

S-150.00

DANG NI



1 15TH FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/8" = 1'-0"
NOTE:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

9	06/02/2017	DOB SUBMISSION
8	04/14/2017	ISSUED FOR CONSTRUCTION
7	12/02/2016	80% CD
6	10/02/2016	90% CD UPDATED SET
5	04/15/2016	SUPERSTRUCTURE AWARD SET
4	07/01/2015	DOB SUBMISSION
3	07/02/2015	100% CD
2	03/20/2015	80% CD
1	03/06/2015	DOB FILING

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHWA
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6860

STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/PFP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

Victor Daza
APPROVED
Under Executive Order 1975
EXEMPTED FROM REGISTRATION
Date: 02/04/2019
NYC Development Hub

DWG TITLE:
15TH FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:


DATE: 07/03/2015
PROJECT #: 1480100
SCALE: 3/16" = 1'-0"
S-159.00
DWG NO.





NOTES:
REFER TO TYPICAL STUDRAIL DETAIL ON S-957 FOR BALANCE OF INFORMATION

NOTES:

1. TOP OF SLAB ELEVATION TO BE $181'-3\frac{3}{4}" \pm$ 16" FLOOR U.O.N. ON PLAN
2. SLAB TO BE 9" THICK U.O.N. THUS 9 ON PLAN.
3. BOTTOM REINFORCEMENT TO BE: #5@12 CONT. E.W. FOR 9" SLAB U.O.N.
#5@12 CONT. E.W. FOR 14" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

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
 TYPE 4

 TYPE 5

STIRRUP TYPES

N.T.S.

SEAL & SIGNATURE:



DATE: 07/21/2015

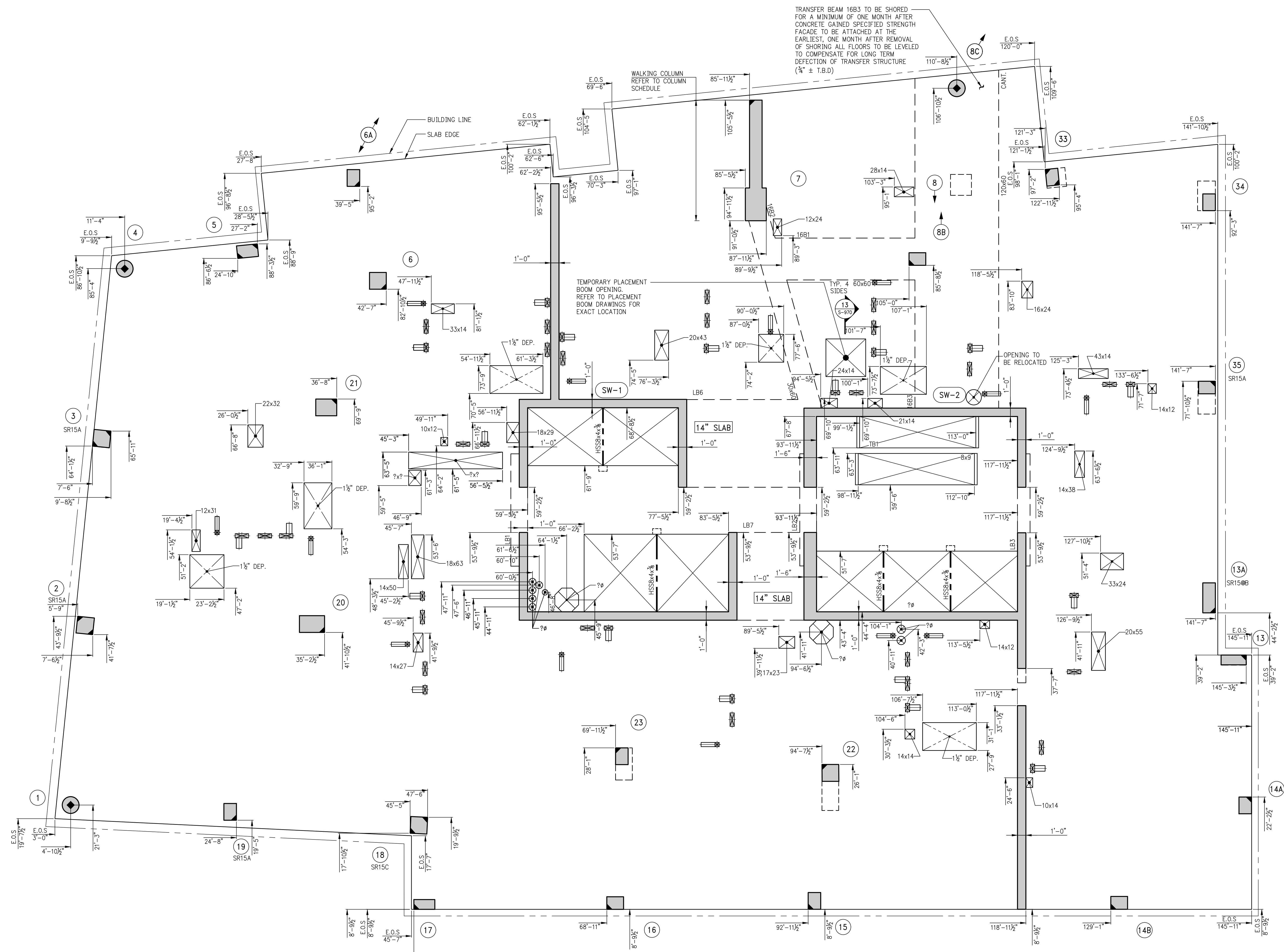
PROJECT #: 1459104

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

S-160.00



KEY PLAN



1 16TH FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/16" = 1'-0"
NOTE:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

5	08/02/2017	DOS SUBMISSION
4	04/14/2017	ISSUED FOR CONSTRUCTION
3	12/02/2016	REV 12
2	10/02/2016	80% CD UPDATED SET
1	04/15/2016	SUPERSTRUCTURE AWARD SET

Number: Date: Revision:

OWNER: GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT: RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT: **GHW**
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1754

DESIGN ARCHITECT: **RICHARD MEIER & PARTNERS**
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

STRUCTURAL ENGINEER: **WSP BUILDING STRUCTURES**
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/P ENGINEER: **WSP BUILDING SYSTEMS**
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOS STAMPS & SIGNATURES:

Victor Daza
APPROVED
Under Executive of 1975
EXEMPTED FROM REGISTRATION
Date: 02/04/2018
NYC Development Hub


DWG TITLE: 16TH FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE: DATE: 01/31/2018
PROJECT # 189104
SCALE: 3/16" = 1'-0"
S-169.00
DWG NO.

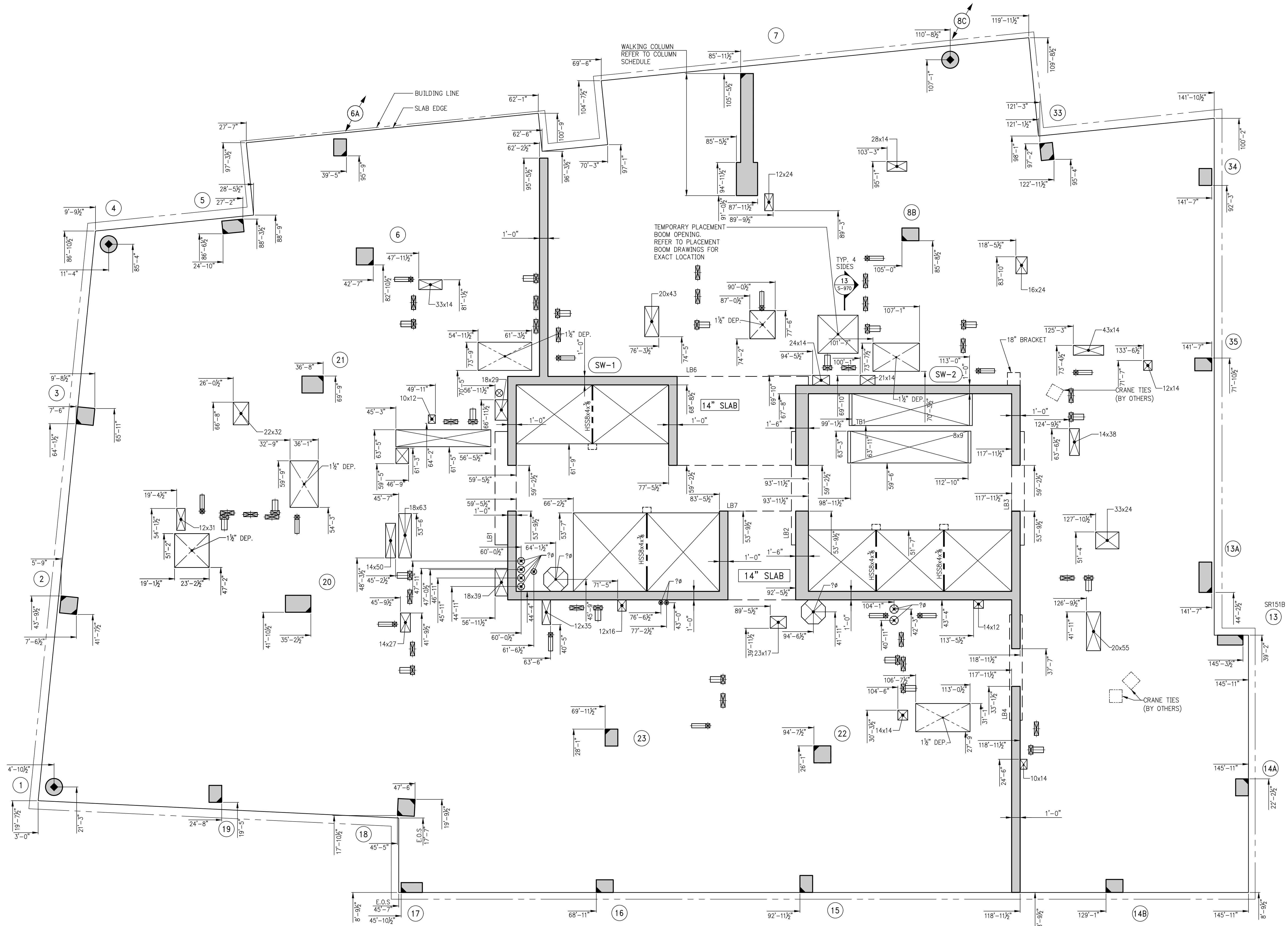
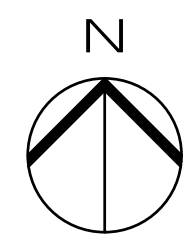


NOTES:
REFER TO TYPICAL STUDRAIL DETAIL ON S-957 FOR BALANCE OF INFORMATION

KEY PLAN

	S-170.00 DRAWING NO.
---------------------------------------------------------------------------------------	-------------------------

KEY PLAN



1 17TH FLOOR GENERAL ARRANGEMENT PLAN
SCALE: $\frac{3}{16}" = 1'-0"$
NOTE:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN

5	08/02/2017	DOB SUBMISSION
4	04/14/2017	ISSUED FOR CONSTRUCTION
3	12/02/2016	80% CD
2	10/02/2016	80% CD UPDATED SET
1	04/15/2016	SUPERSTRUCTURE AWARD SET

Number: Date: Revision:

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
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ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

STRUCTURAL ENGINEER:
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New York, NY 10017
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MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

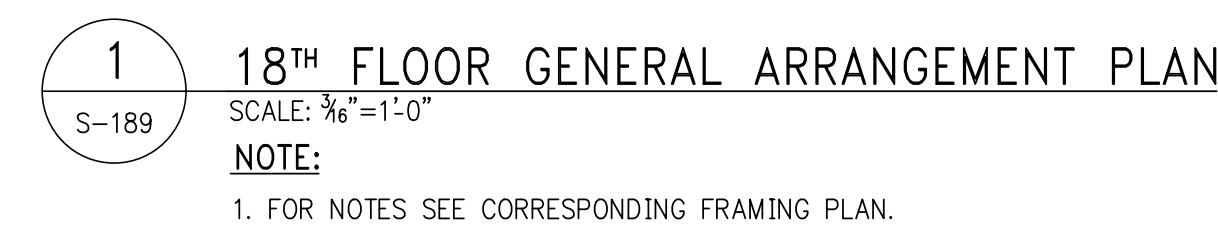
DOB STAMPS & SIGNATURES:


DWG TITLE:
17TH FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:

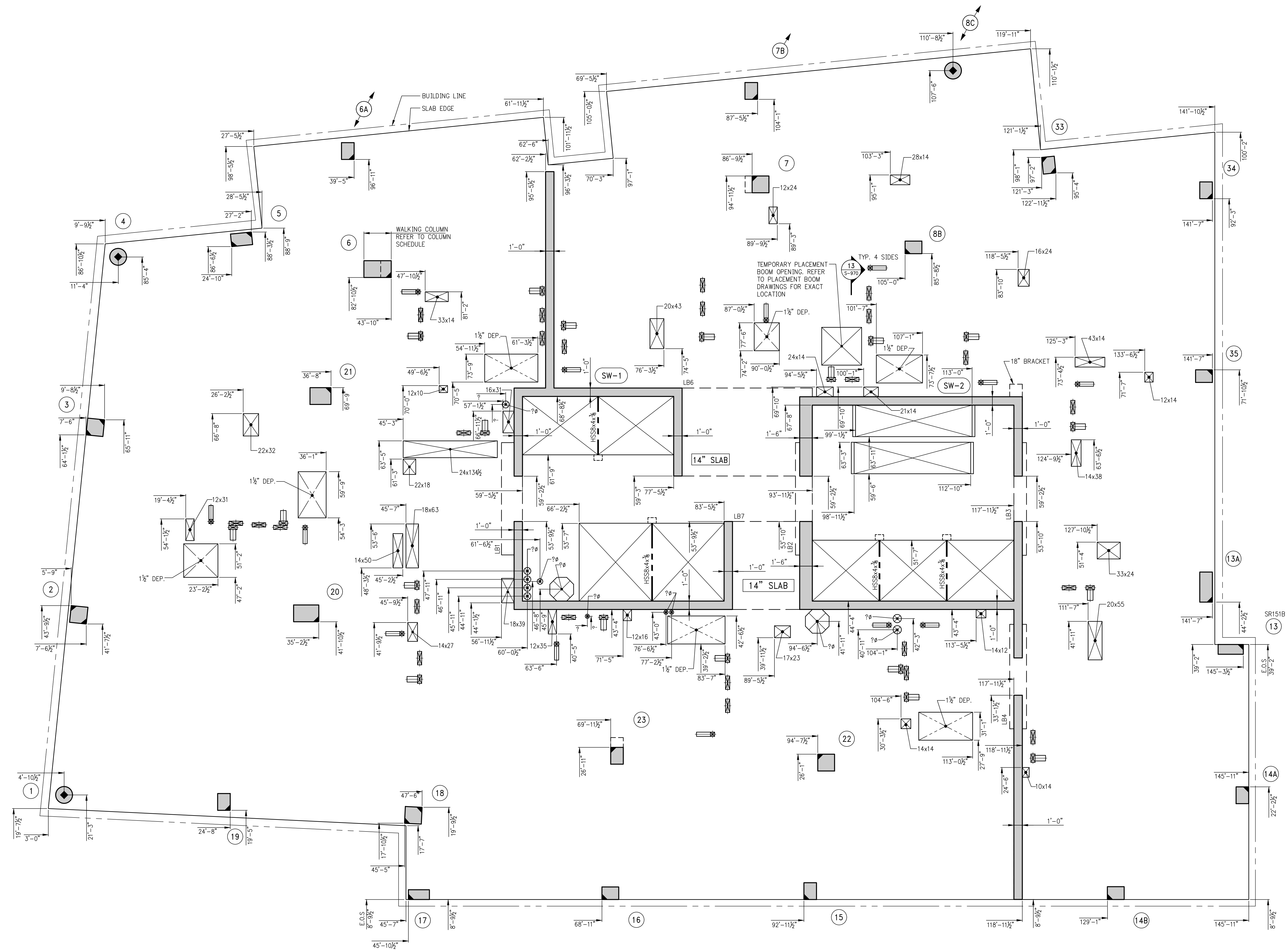
DATE: 07/31/2015
PROJECT #: 188704
SCALE: $\frac{3}{16}" = 1'-0"$
S-179.00
DWG NO.

A diagram showing a circle with a vertical line passing through its center. Two diagonal lines extend from the top of the vertical line to the circle's edge, forming a triangle. The letter 'N' is positioned above the circle.



SEAL & SIGNATURE: 	DATE: 07/31/2015 PROJECT #: 1450104 SCALE: 3/16" = 1'-0" <div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> S-189.00 </div>
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KEY PLAN



1 19TH FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/16" = 1'-0"
NOTE:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

5	06/02/2017	DES SUBMISSION
4	04/10/2017	ISSUED FOR CONSTRUCTION
3	12/02/2016	REVISED
2	10/02/2016	80% CD UPDATES SET
1	04/15/2016	SUPERSTRUCTURE AWARD SET

Number:	Date:	Revision:
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OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1754

DESIGN ARCHITECT:
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ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

STRUCTURAL ENGINEER:
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CONSULTING ENGINEERS
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New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/P ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

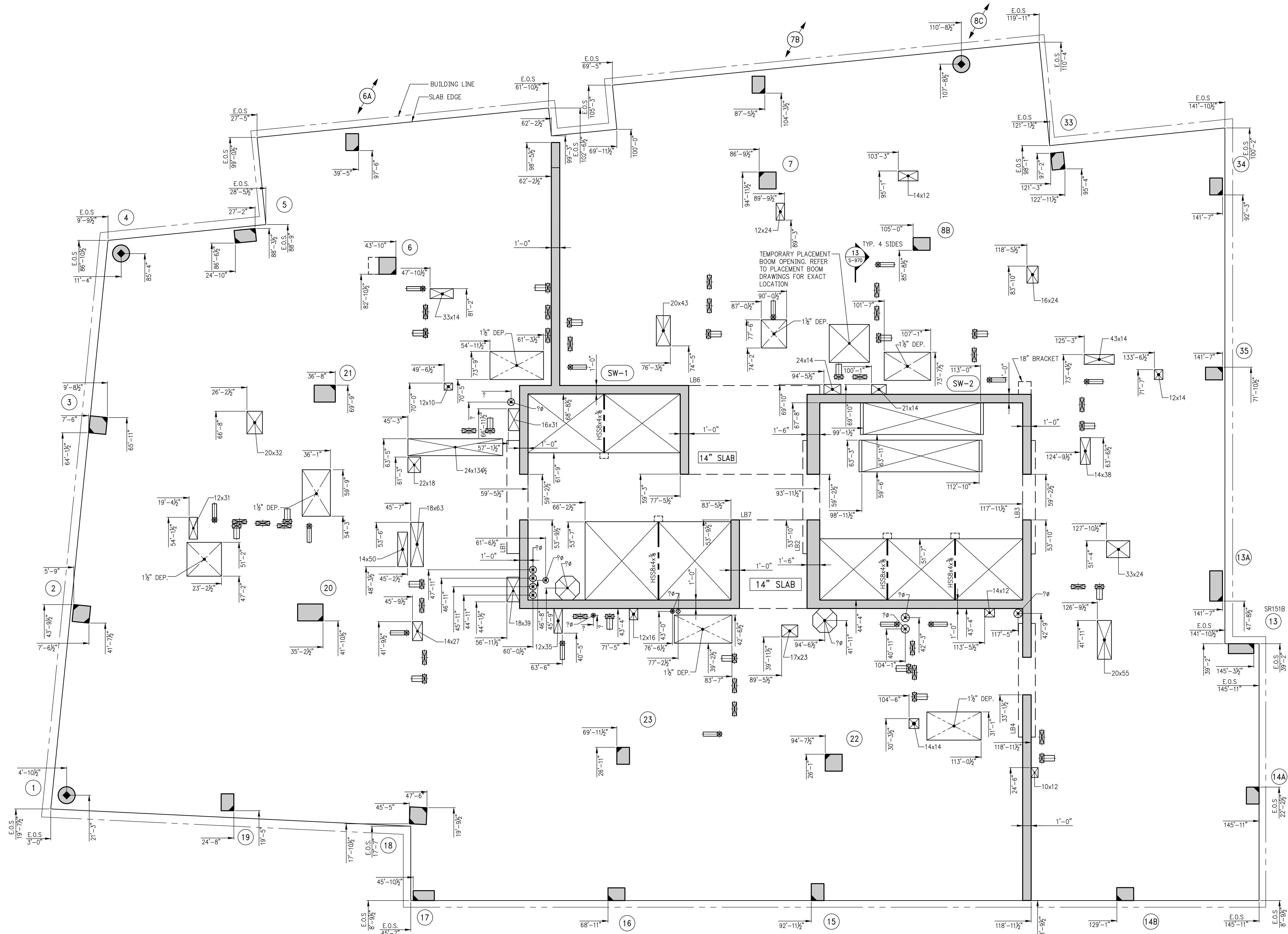
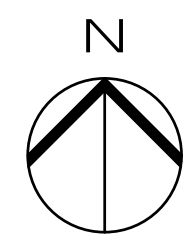
DOB STAMPS & SIGNATURES:



DWG TITLE:
19TH FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE	DATE: 07/01/2015
	PROJECT # 188704
	SCALE: 3/16" = 1'-0"
	S-199.00
	DWG NO.

KEY PLAN



1 20TH FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/16"=1'-0"
NOTE:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

5	06/02/2017	DOB SUBMISSION
4	04/14/2017	ISSUED FOR CONSTRUCTION
3	12/02/2016	80% CD
2	10/02/2016	80% CD UPDATED SET
1	04/15/2016	SUPERSTRUCTURE AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
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Tel (212) 213-8007 Fax (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/PFP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

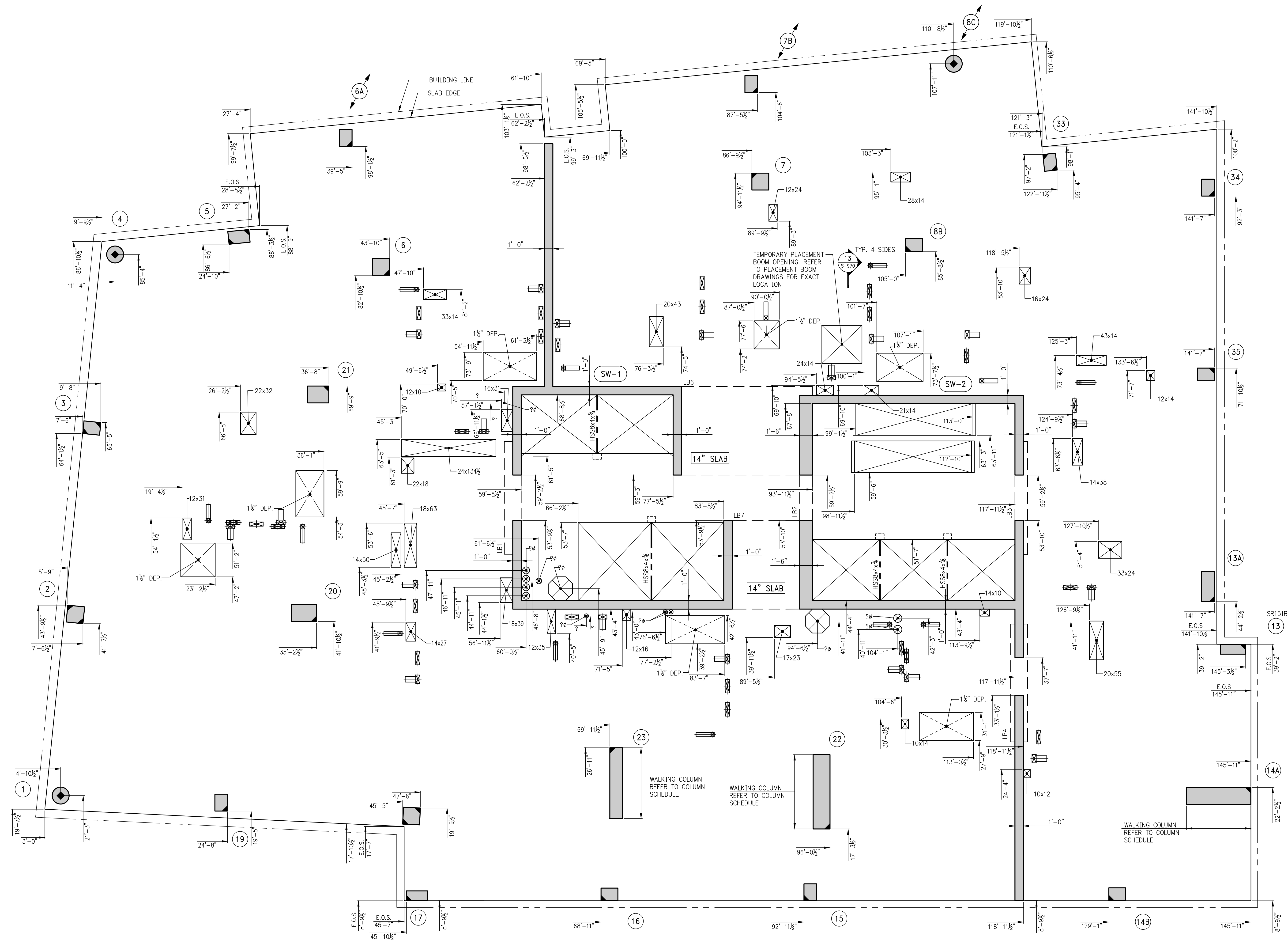
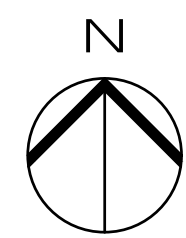
DOB STAMPS & SIGNATURES:

DWG TITLE:
20TH FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/03/2015
PROJECT # 188704
SCALE: 3/16" = 1'-0"
S-209.00
DWG NO.

KEY PLAN



1 21ST FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/16" = 1'-0"
NOTE:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

5	06/02/2017	DOB SUBMISSION
4	04/14/2017	ISSUED FOR CONSTRUCTION
3	12/02/2016	80% CD UPDATED SET
2	10/02/2016	80% CD UPDATED SET
1	04/15/2016	SUPERSTRUCTURE AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
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475 Tenth Avenue
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Tel: (212) 967-6560

STRUCTURAL ENGINEER:
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CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FP ENGINEER:
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CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

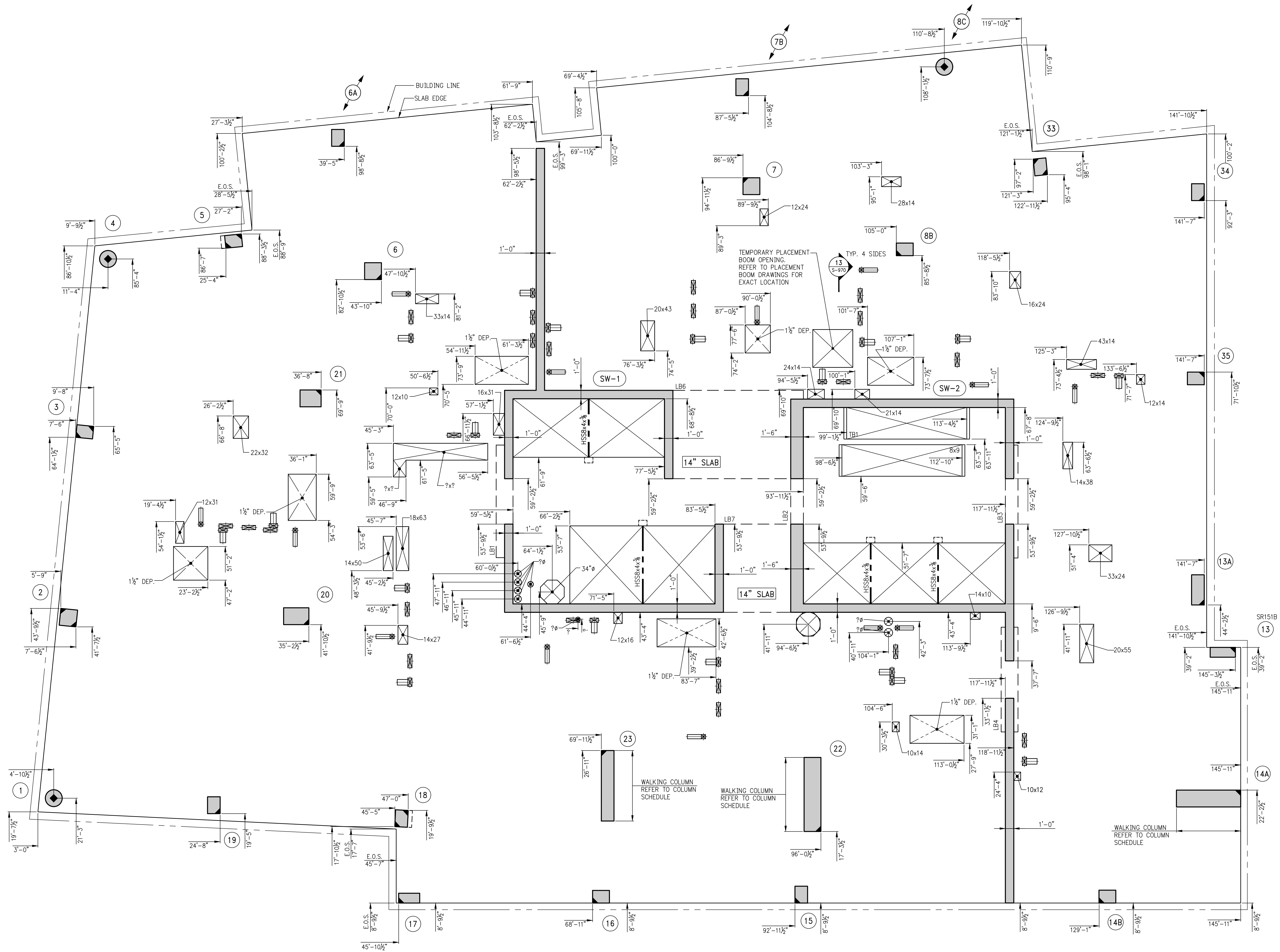
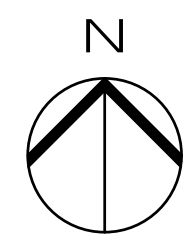
DOB STAMPS & SIGNATURES:

DWG TITLE:
21ST FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/03/2015
PROJECT #: 189104
SCALE: 3/16" = 1'-0"
S-219.00
DWG NO.

KEY PLAN



1 22ND FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/16" = 1'-0"
NOTE:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

5	06/02/2017	DOB SUBMISSION
4	04/14/2017	ISSUED FOR CONSTRUCTION
3	12/02/2016	80% CD
2	10/02/2016	80% CD UPDATED SET
1	04/15/2016	SUPERSTRUCTURE AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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Tel (212) 213-8007 Fax (212) 686-1754

DESIGN ARCHITECT:
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ARCHITECTS, LLP
475 Tenth Avenue
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Tel: (212) 967-6560

STRUCTURAL ENGINEER:
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CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

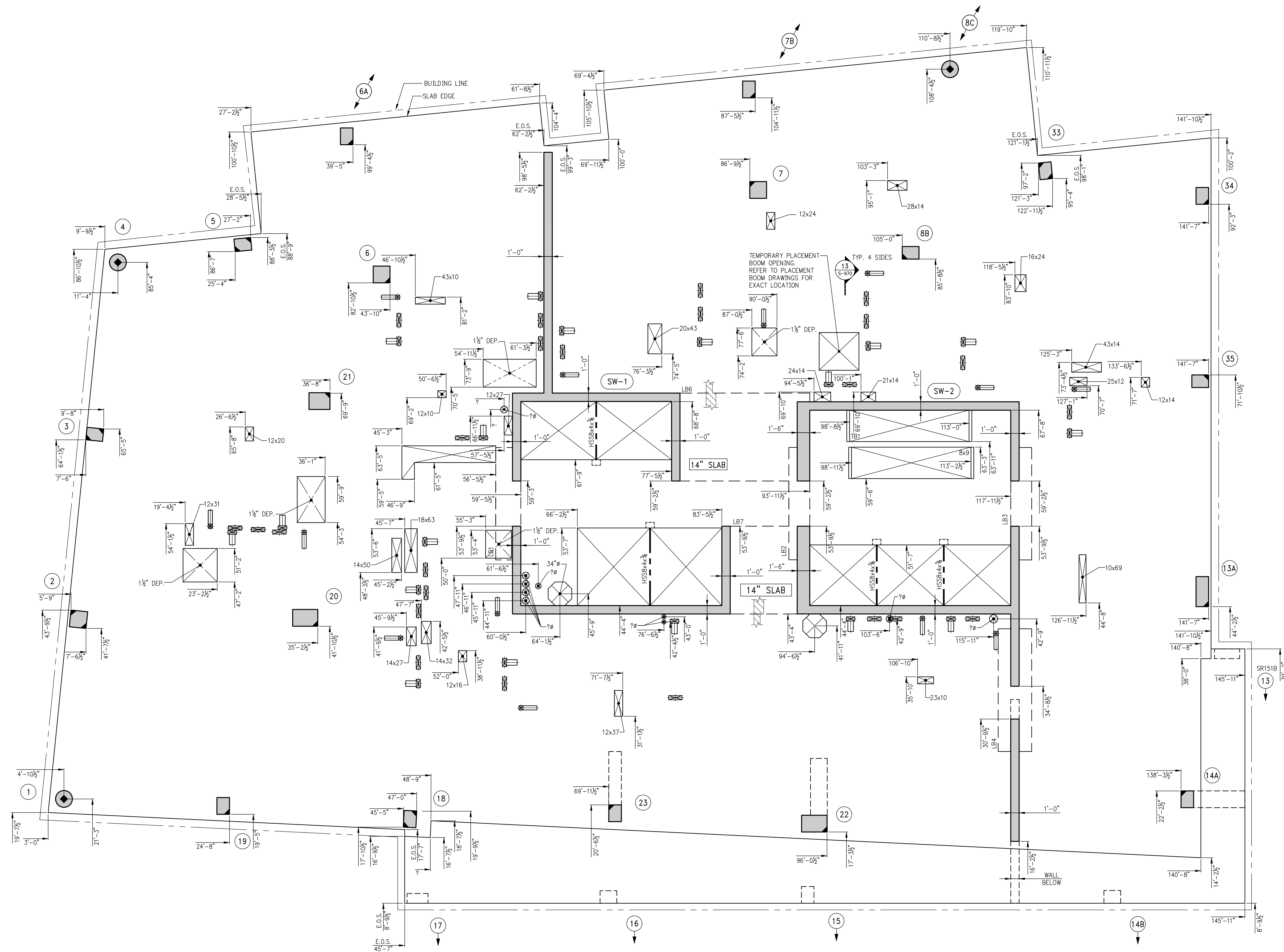
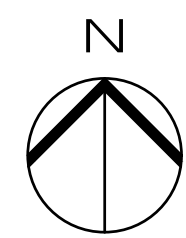
DOB STAMPS & SIGNATURES:

DWG TITLE:
22ND FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/03/2015
PROJECT # 188704
SCALE: 3/16" = 1'-0"
S-229.00
DWG NO.

KEY PLAN



1 23RD FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/16" = 1'-0"
NOTE:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

5	06/02/2017	DOB SUBMISSION
4	04/14/2017	ISSUED FOR CONSTRUCTION
3	12/02/2016	REVISED
2	10/02/2016	80% CD UPDATES SET
1	04/15/2016	SUPERSTRUCTURE AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1754

DESIGN ARCHITECT:
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Tel: (212) 967-6560

STRUCTURAL ENGINEER:
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Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

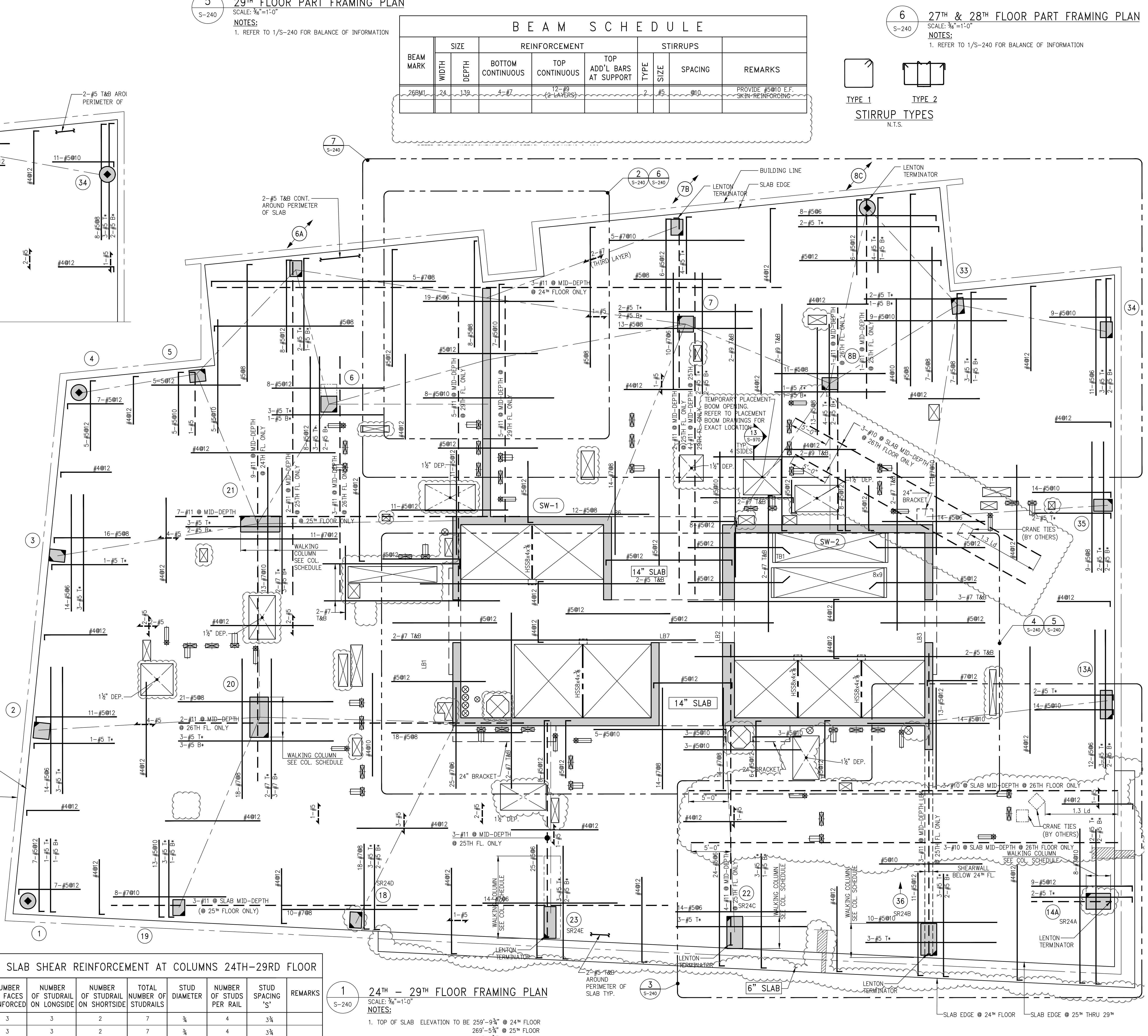
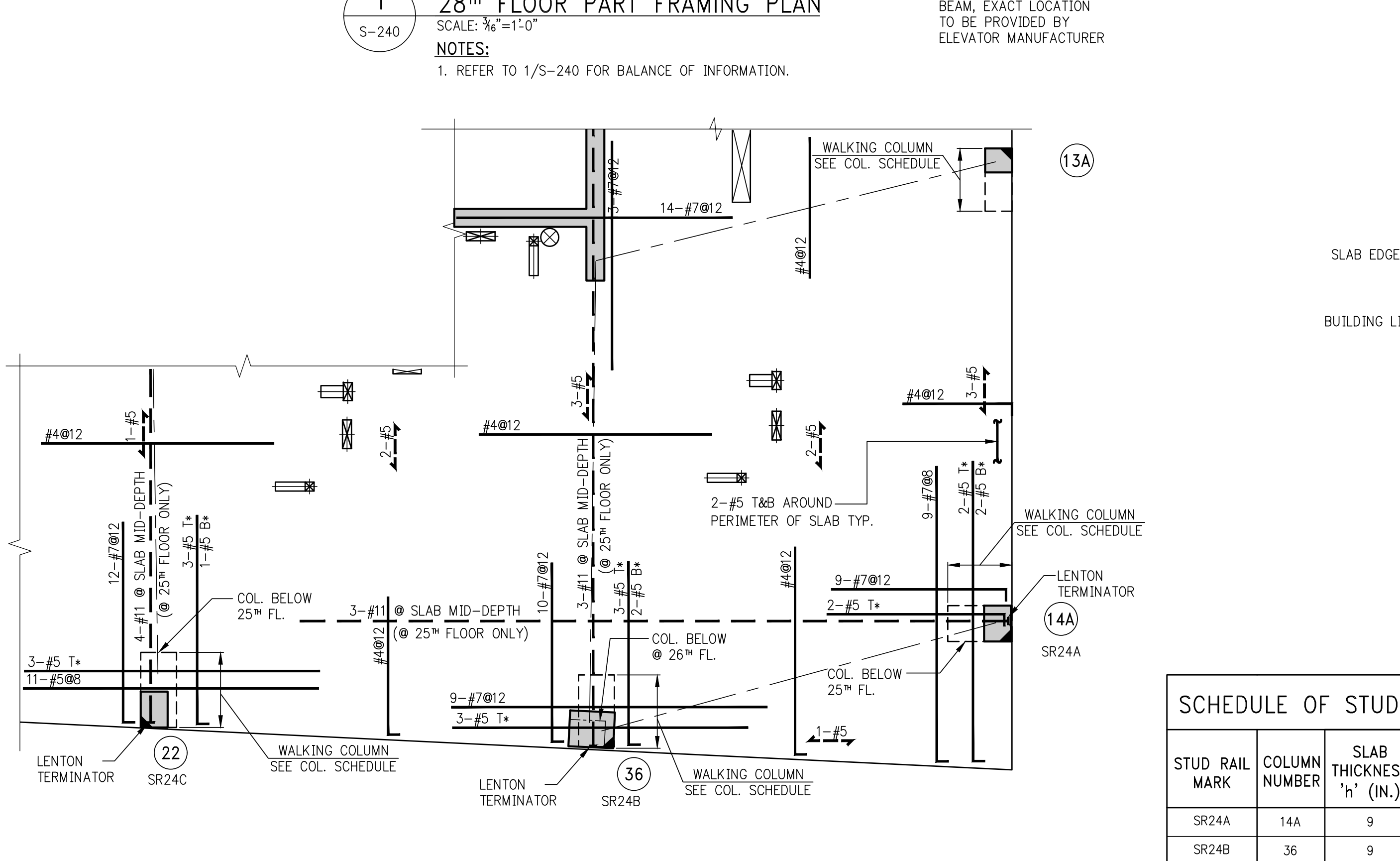
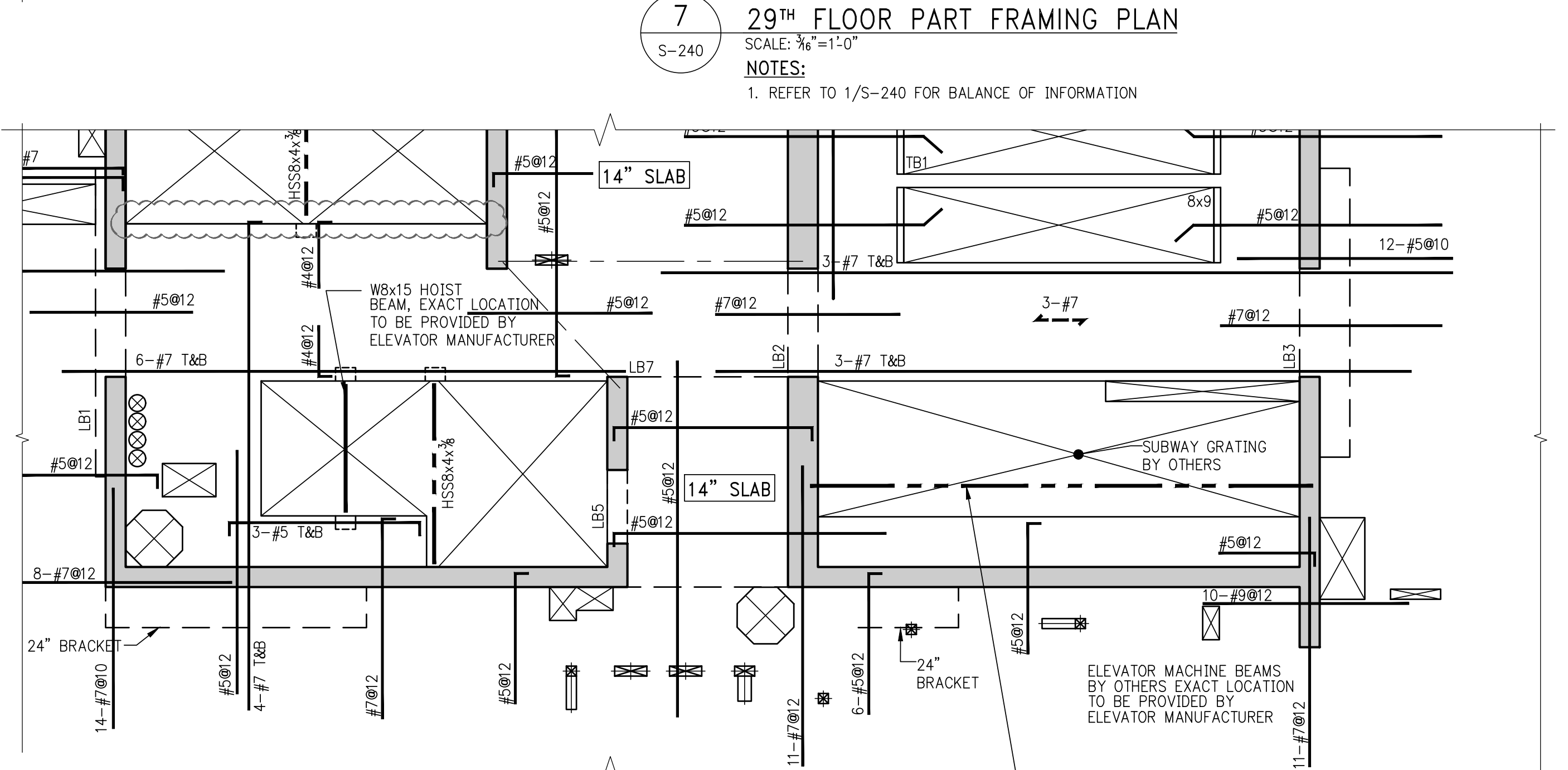
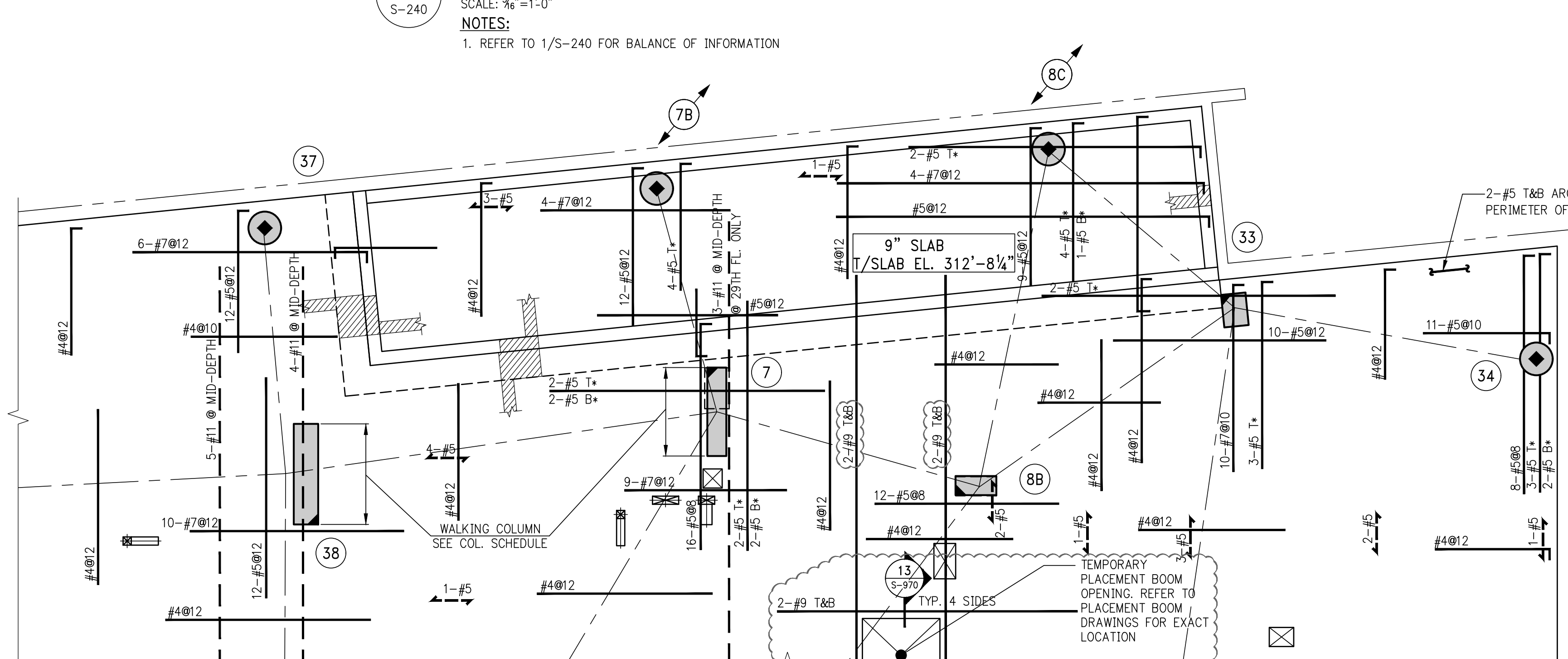
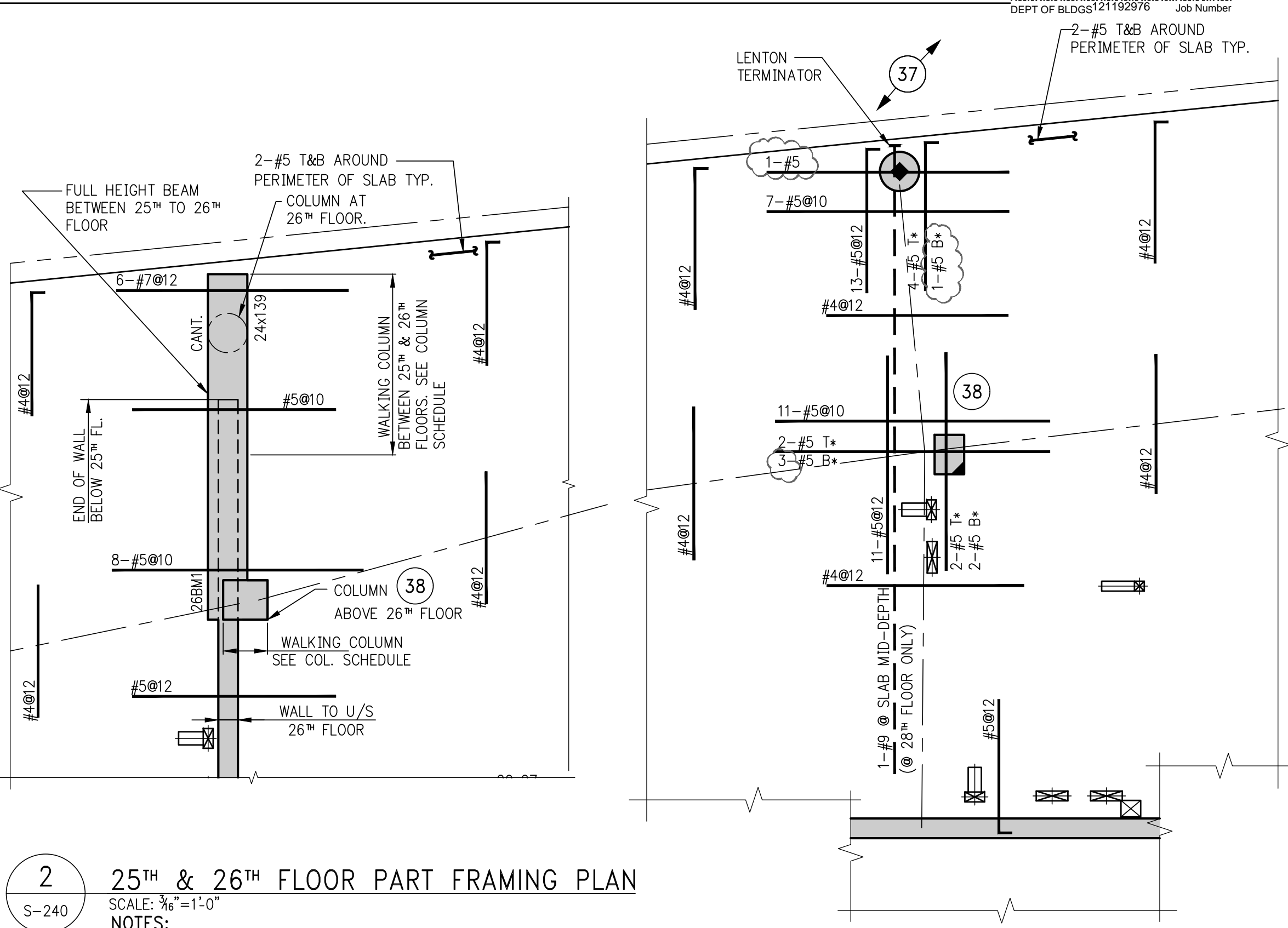
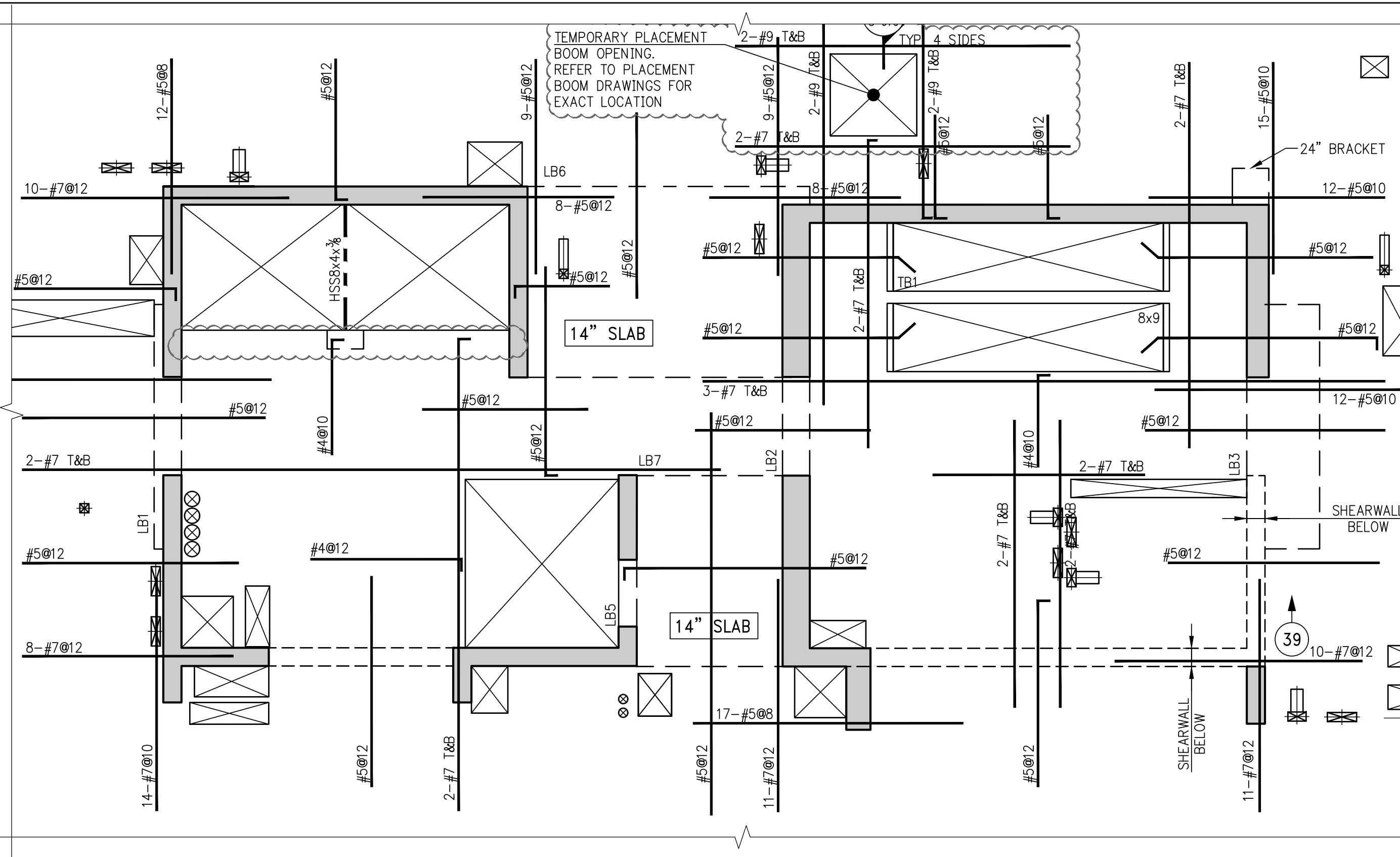
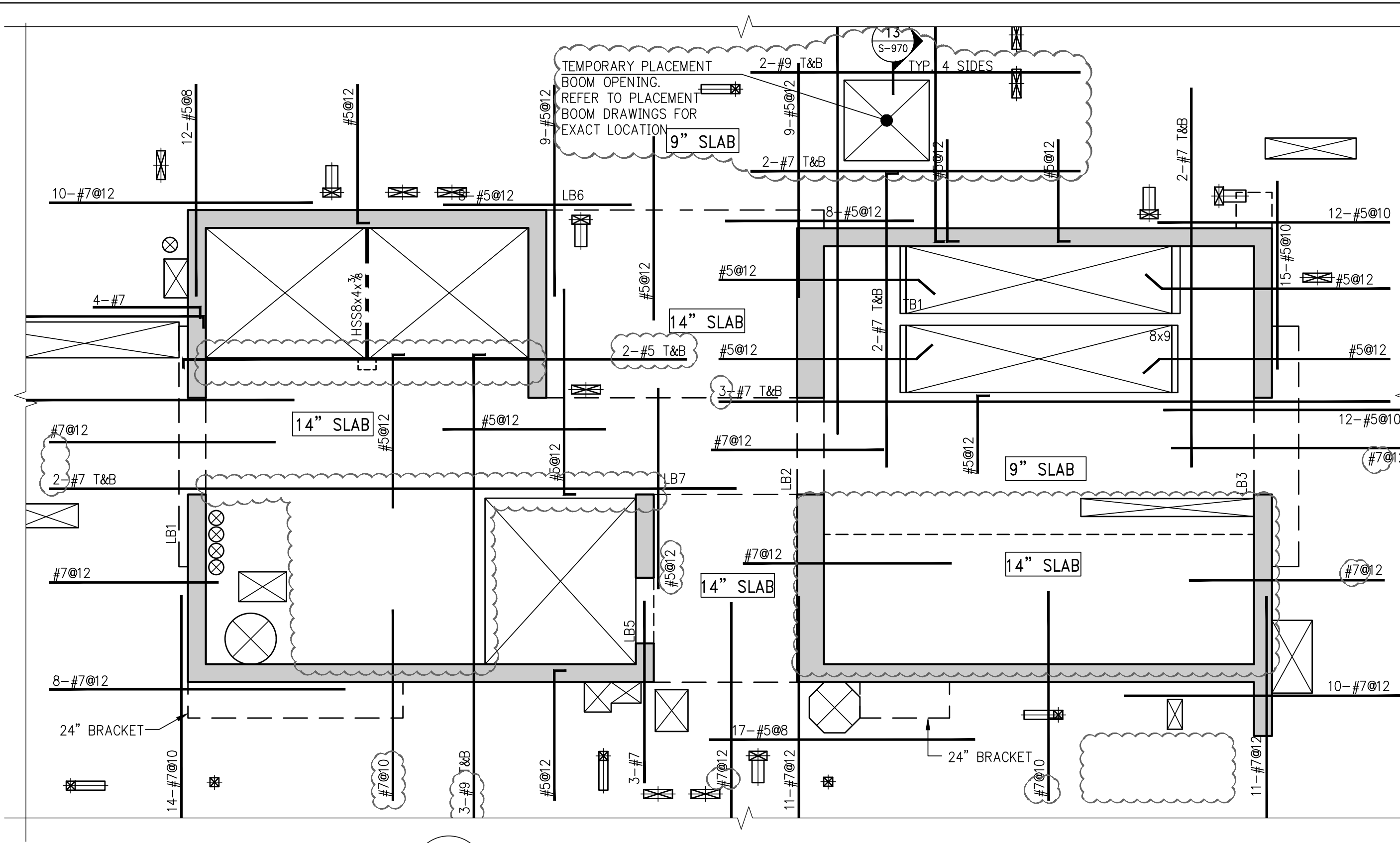
DOB STAMPS & SIGNATURES:

APPROVED
Under Executive E-1975
EXEMPTED FROM REGISTRATION
Date: 02/04/2018
NYC Development Hub

DWG TITLE:
23RD FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 01/03/2015
PROJECT #: 180104
SCALE: 3/16" = 1'-0"
S-239.00
DWG NO.



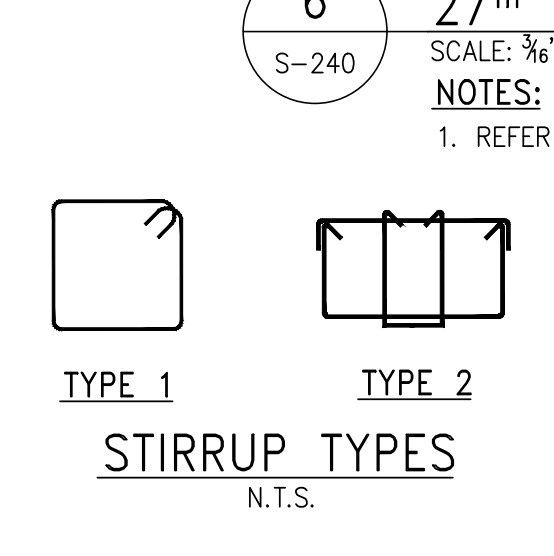
SCHEDULE OF STUDRAIL SLAB SHEAR REINFORCEMENT AT COLUMNS 24TH-29TH FLOOR

STUD RAIL MARK	COLUMN NUMBER	SLAB THICKNESS (IN.)	NUMBER OF FACES REINFORCED	NUMBER OF STUDRAIL ON LONGSIDE	NUMBER OF STUDRAIL ON SHORTSIDE	TOTAL NUMBER OF STUDRAILS	STUD DIAMETER	NUMBER OF STUDS PER RAIL	STUD SPACING (IN.)	REMARKS
SR24A	14A	9	3	3	2	7	3/4	4	3 3/4	
SR24B	36	9	3	3	2	7	3/4	4	3 3/4	
SR24C	22	9	3	3	3	9	9/8	6	3 3/4	
SR24D	18	9	3	3	3	9	9/8	7	3 3/4	
SR24E	23	9	3	3	2	7	3/4	6	3 3/4	

NOTES:
REFER TO TYPICAL STUDRAIL DETAIL ON S-957 FOR BALANCE OF INFORMATION

BEAM SCHEDULE

BEAM MARK	SIZE		REINFORCEMENT		TOP ADD'L BARS AT SUPPORT	STIRRUPS		REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS		TYPE	SIZE	
26RML	24	139	4-#7	4-#7	2-#7	#5	@12	PROVIDE #5@10 E.F. 36IN. REINFORCING



KEY PLAN

PROJECT: RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT: GHAWA
Goldstein, Hill & West Architects, LLP
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Tel (212) 213-8007 Fax (212) 686-1754

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STRUCTURAL ENGINEER: WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

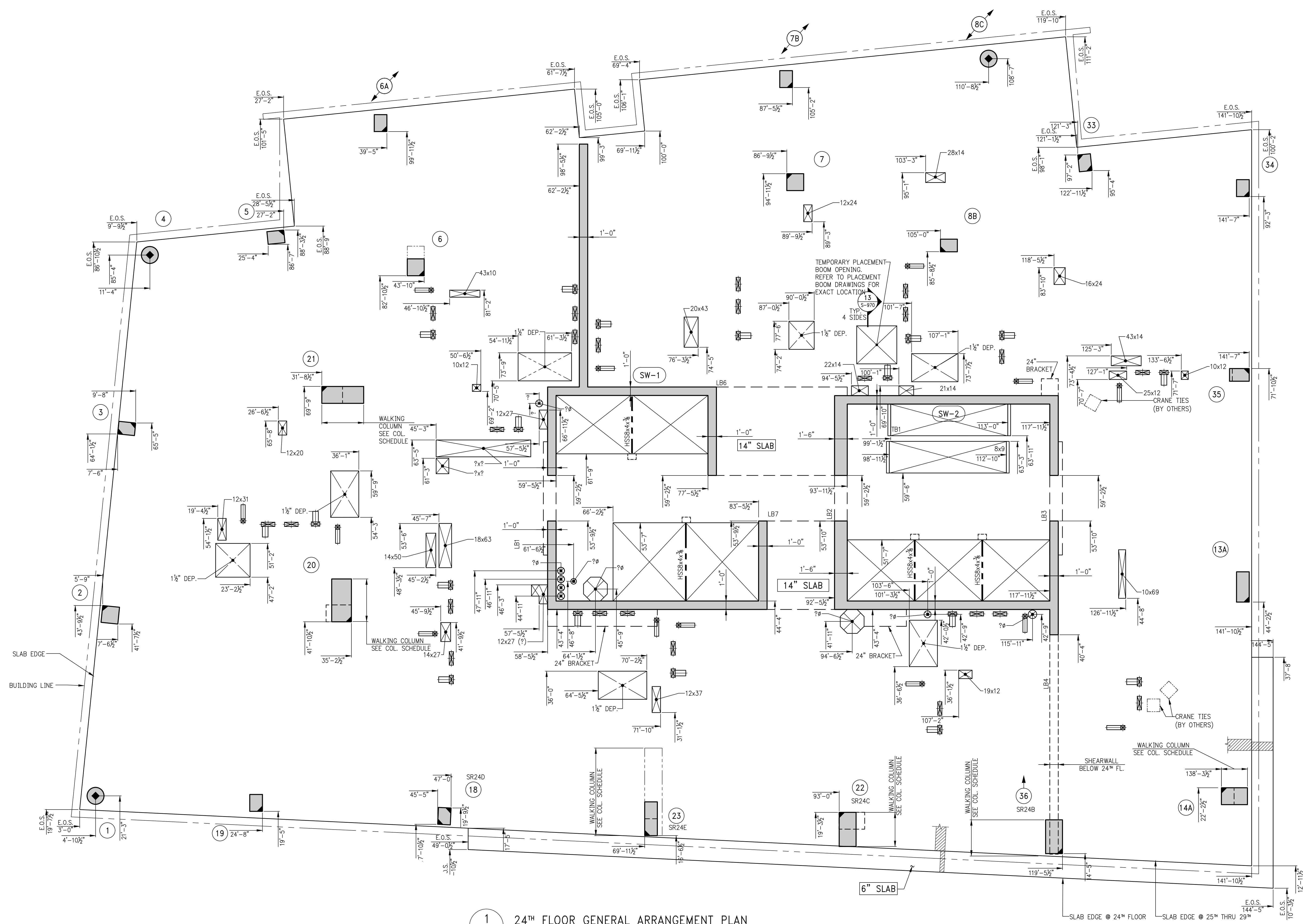
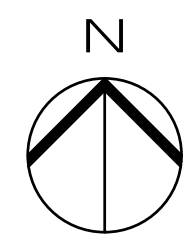
MEP/P ENGINEER: WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

Victor Daza
APPROVED
Under Executive Order 1975
INTERDEPARTMENTAL
NYC Development Hub

DATE: 07/01/2015
PROJECT: 148016
SCALE: 3/8" = 1'-0"
S-240.00
DWG NO.

KEY PLAN



1 24TH FLOOR GENERAL ARRANGEMENT PLAN
S-249
SCALE: 3/16" = 1'-0"
NOTES:
1. FOR BALANCE OF INFORMATION SEE CORRESPONDING FRAMING PLAN.

4	06/02/2017	005 SUBMISSION
3	04/14/2017	ISSUED FOR CONSTRUCTION
2	12/02/2016	85% CD
1	10/05/2016	90% CD UPDATED SET

Number Date Revision

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1754

DESIGN ARCHITECT:
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ARCHITECTS, LLP
475 Tenth Avenue
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Tel: (212) 967-6560

STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

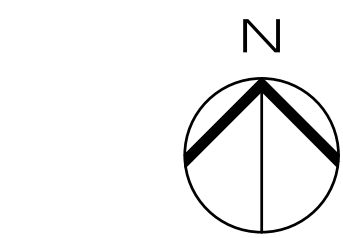
MEP/PFP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

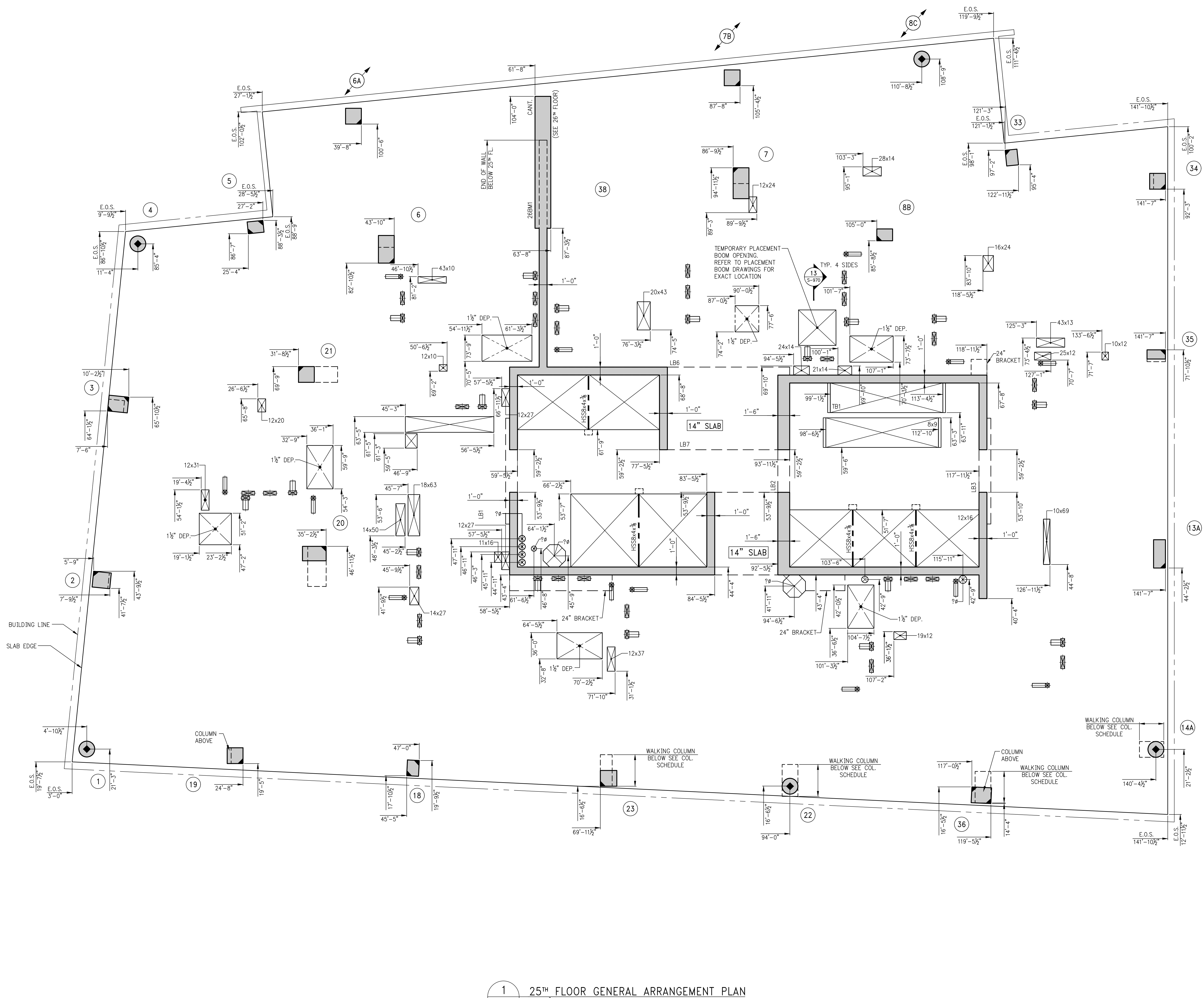


DWG TITLE:
24TH FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE: [Signature]
DATE: 07/03/2015
PROJECT # 188704
SCALE: 3/16" = 1'-0"
S-249.00
DWG NO.



KEY PLAN



5	06/02/2017	DOB SUBMISSION
4	04/14/2017	ISSUED FOR CONSTRUCTION
3	12/02/2016	REVISED
2	10/02/2016	REVISED SET
1	04/02/2016	SUPPLEMENTARY REVISED SET

Number	Date	Revision
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OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
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STRUCTURAL ENGINEER:
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MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

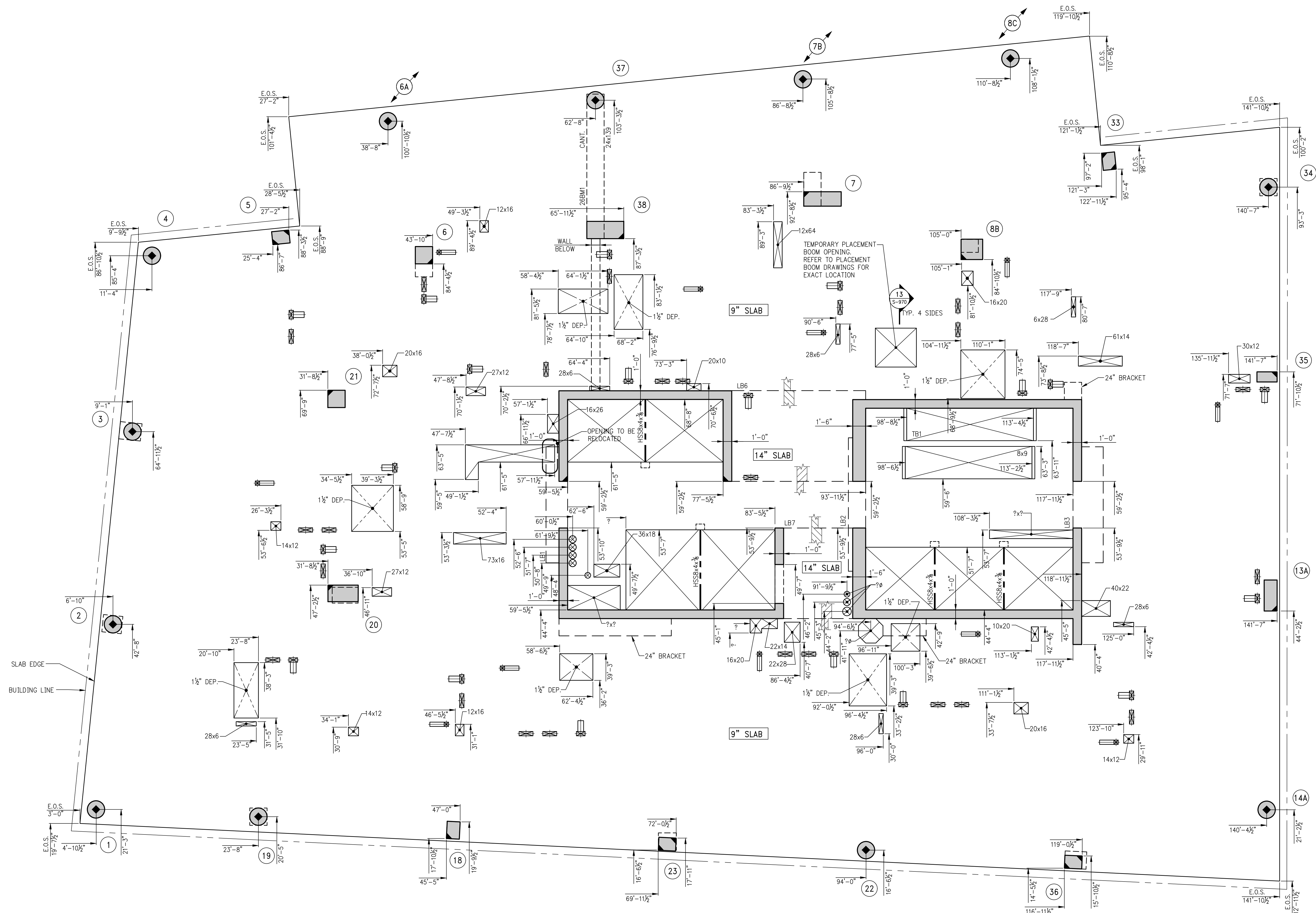
DOB STAMPS & SIGNATURES:



DWG TITLE:
25TH FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE	DATE: 07/03/2015
PROJECT # 188704	SCALE: 3/16" = 1'-0"
DWG NO.	S-259.00

KEY PLAN



1 26TH FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/16" = 1'-0"
NOTE:
1. FOR BALANCE OF INFORMATION SEE OVERALL CORRESPONDING FRAMING PLAN.

5	06/02/2017	DOB SUBMISSION
4	04/14/2017	ISSUES FOR CONSTRUCTION
3	12/02/2016	80% CD UPDATED SET
2	10/05/2016	80% CD UPDATED SET
1	04/15/2016	SUPERSTRUCTURE AWARD SET

Number	Date	Revision
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OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

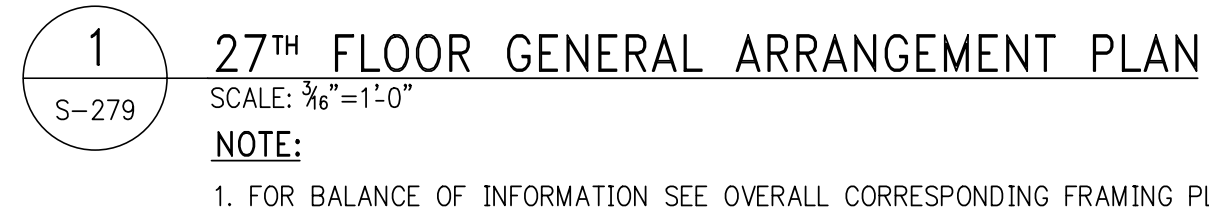
MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

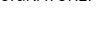
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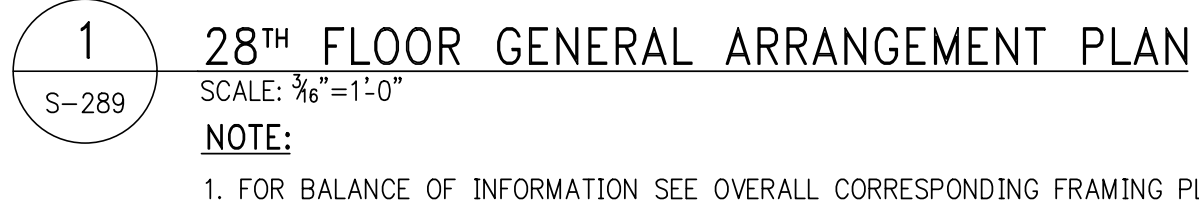


DWG TITLE:
26TH FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE	DATE: 07/03/2015
	PROJECT #: 188704
	SCALE: 3/16" = 1'-0"
	S-269.00
	DWG NO.




SEAL & SIGNATURE: 	DATE: 07/31/2015 PROJECT #: 1691014 SCALE: 3/16" = 1'-0" <div style="border: 1px solid black; border-radius: 50%; padding: 10px; text-align: center; width: fit-content; margin: 0 auto;"> S-279.00 </div>
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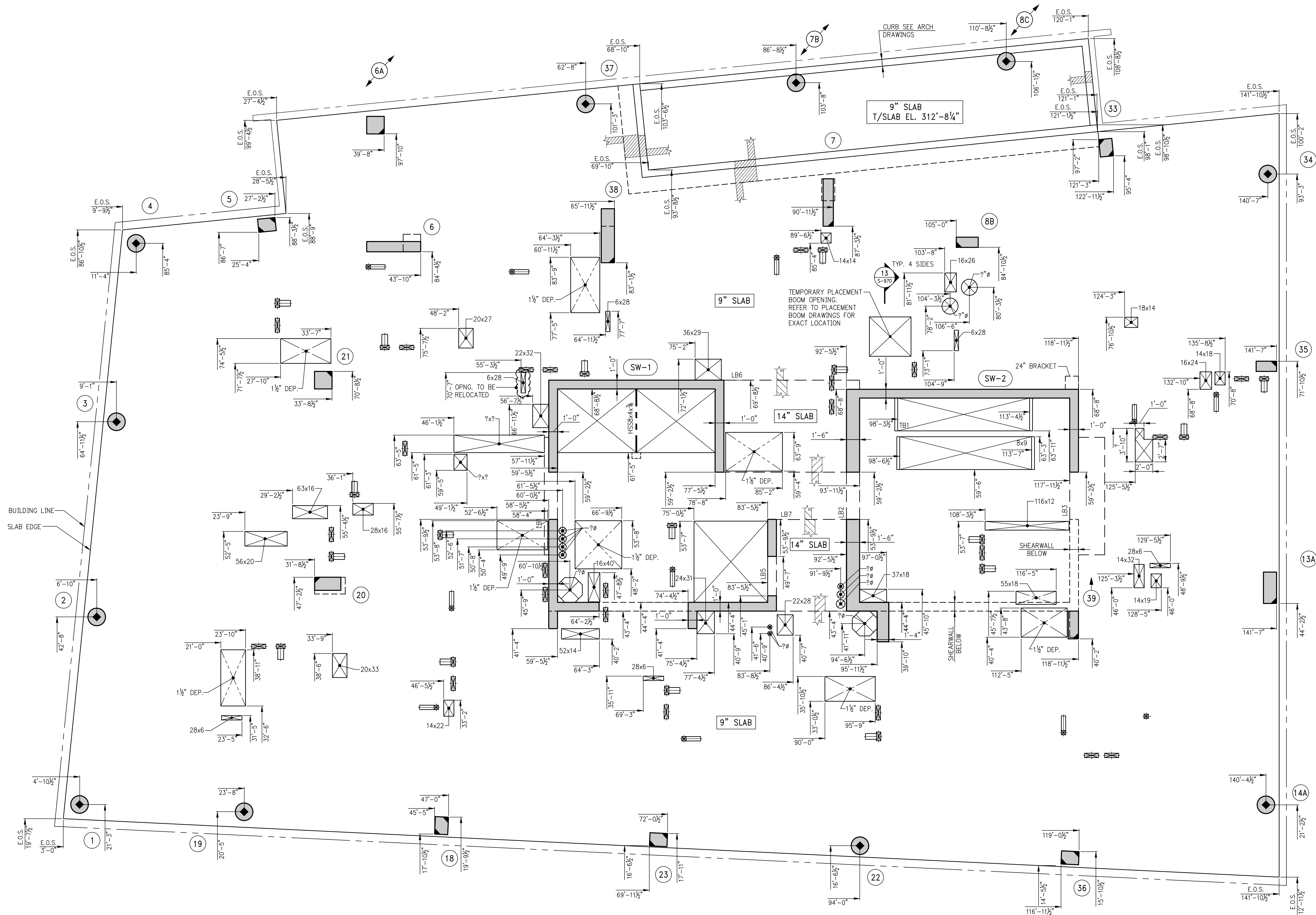


28TH FLOOR GENERAL ARRANGEMENT PLAN
SCALE: $\frac{3}{8}" = 1'-0"$
NOTE:
1. FOR BALANCE OF INFORMATION SEE OVERALL CORRESPONDING FRAMING PLAN

1. FOR BALANCE OF INFORMATION SEE OVERALL CORRESPONDING FRAMING PLAN.

SEAL & SIGNATURE: 	DATE: 07/31/2015 PROJECT #: 1450104 SCALE: 3/16" = 1'-0" <div style="border: 1px solid black; border-radius: 50%; padding: 10px; display: inline-block;"> S-289.00 </div> DRAWING NO.:
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KEY PLAN



1 29TH FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/16" = 1'-0"
NOTE:
1. FOR BALANCE OF INFORMATION SEE OVERALL CORRESPONDING FRAMING PLAN.

5	06/02/2017	DOB SUBMISSION
4	04/14/2017	ISSUES FOR CONSTRUCTION
3	12/02/2016	REV. CD
2	10/06/2016	80% CD UPDATED SET
1	04/15/2016	SUPERSTRUCTURE AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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Goldstein, Hill & West Architects, LLP
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New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1754

DESIGN ARCHITECT:
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STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
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228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

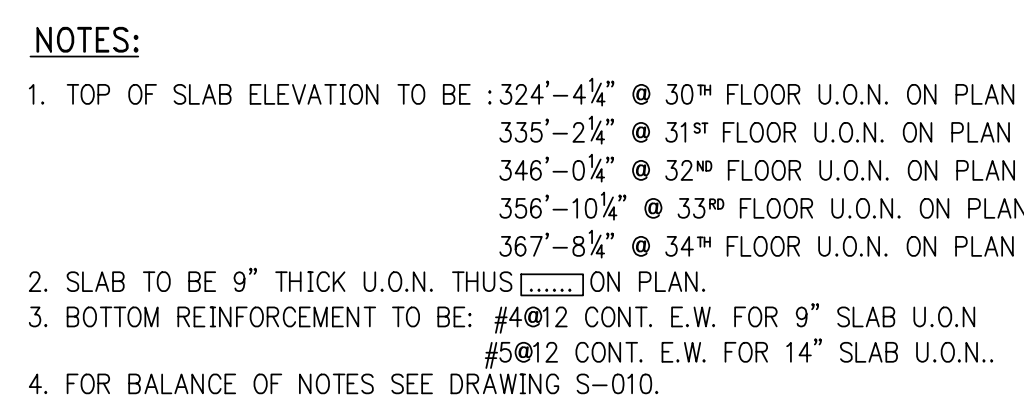
MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

DWG TITLE:
29TH FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

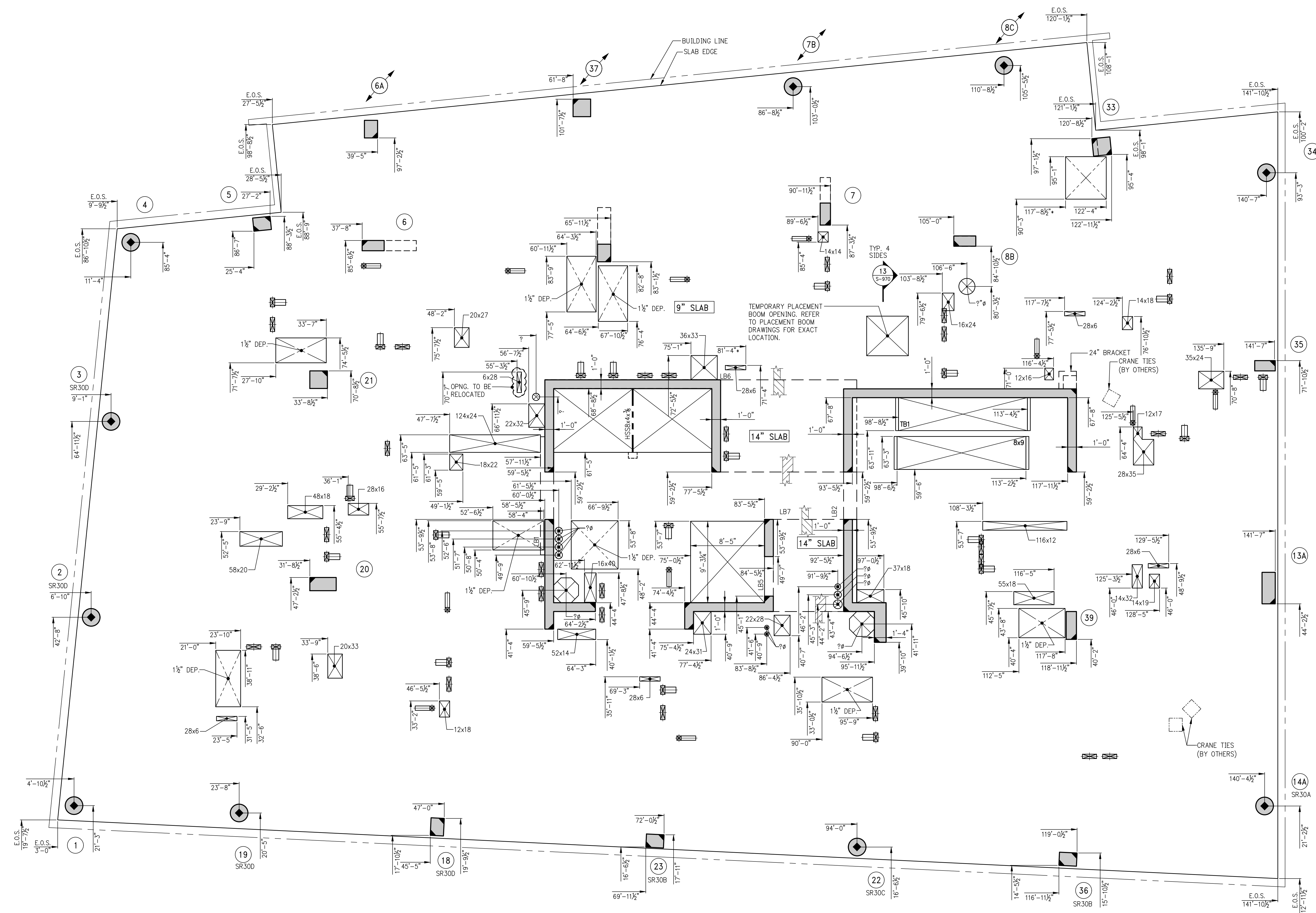
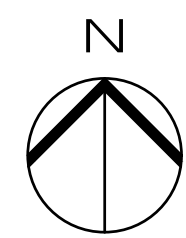
SEAL & SIGNATURE:

DATE: 07/03/2015
PROJECT #: 188704
SCALE: 3/16" = 1'-0"
S-299.00
DWG NO.



S-300.00

KEY PLAN



1 30TH FLOOR GENERAL ARRANGEMENT PLAN
S-309 SCALE: 3/16" = 1'-0"
NOTES:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

5	08/02/2017	DOB SUBMISSION
4	08/14/2017	ISSUED FOR CONSTRUCTION
3	12/02/2016	80% CD UPDATES SET
2	01/05/2016	80% CD UPDATES SET
1	04/15/2016	SUPERSTRUCTURE AWARD SET

Number: Date: Revision:

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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Goldstein, Hill & West Architects, LLP
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New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
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ARCHITECTS, LLP
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Tel: (212) 967-6560

STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
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New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

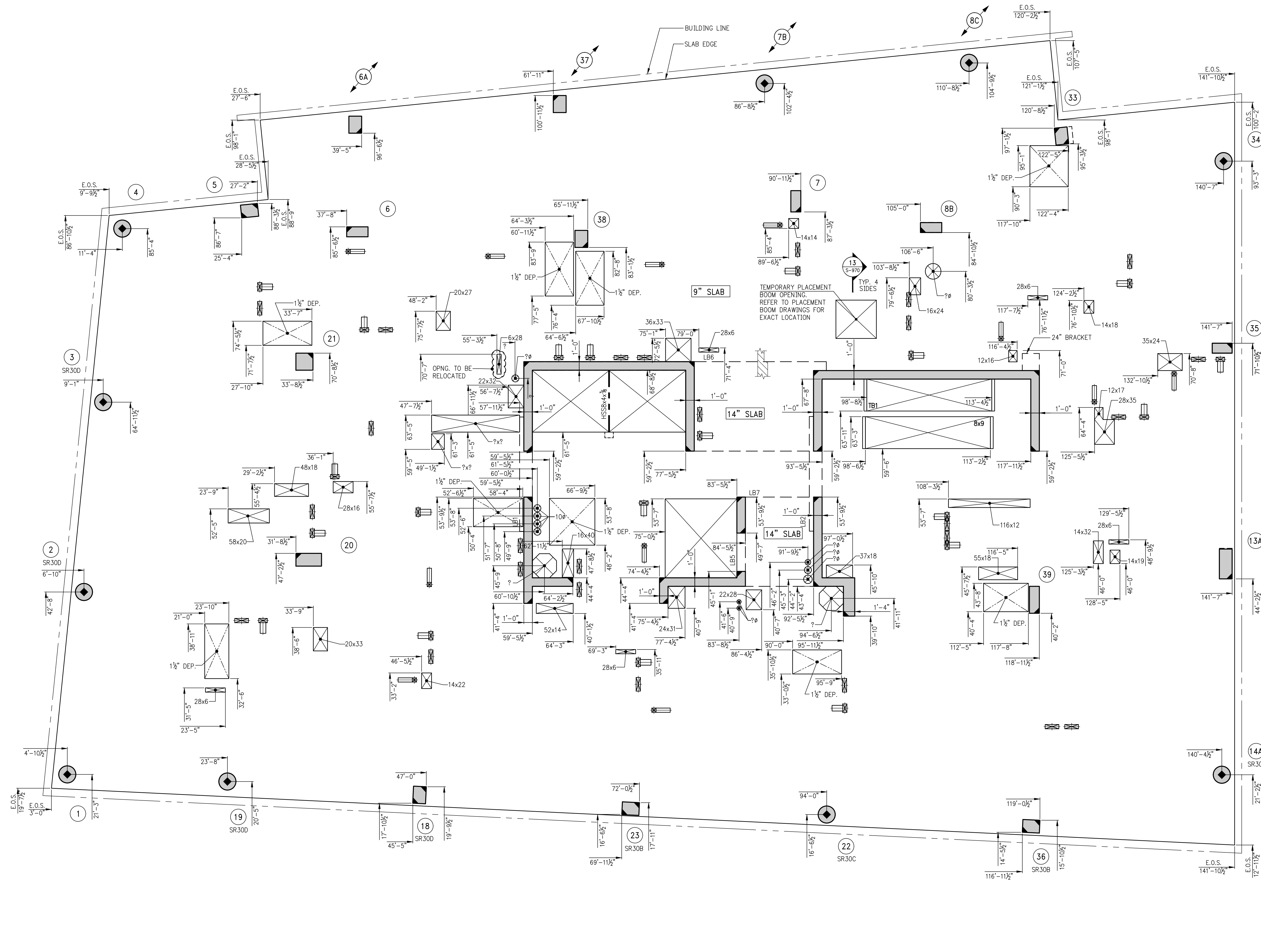
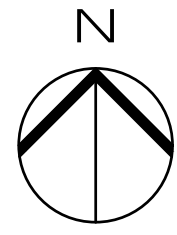
APPROVED
Under Executive E-17975
EXPIRATION DATE: 02/04/2018
NYC Development Hub

DWG TITLE:
30TH FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/31/2015
PROJECT #: 188704
SCALE: 3/16" = 1'-0"
S-309.00
DWG NO.

KEY PLAN



1 31ST FLOOR GENERAL ARRANGEMENT PLAN
S-319 SCALE: 3/16" = 1'-0"

NOTES:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

5	06/02/2017	008 SUBMISSION
4	04/14/2017	ISSUED FOR CONSTRUCTION
3	12/02/2016	85% CD
2	10/02/2016	85% CD UPDATED SET
1	04/15/2016	SUPPLEMENTAL AWARD SET

Number: Date: Revision:

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

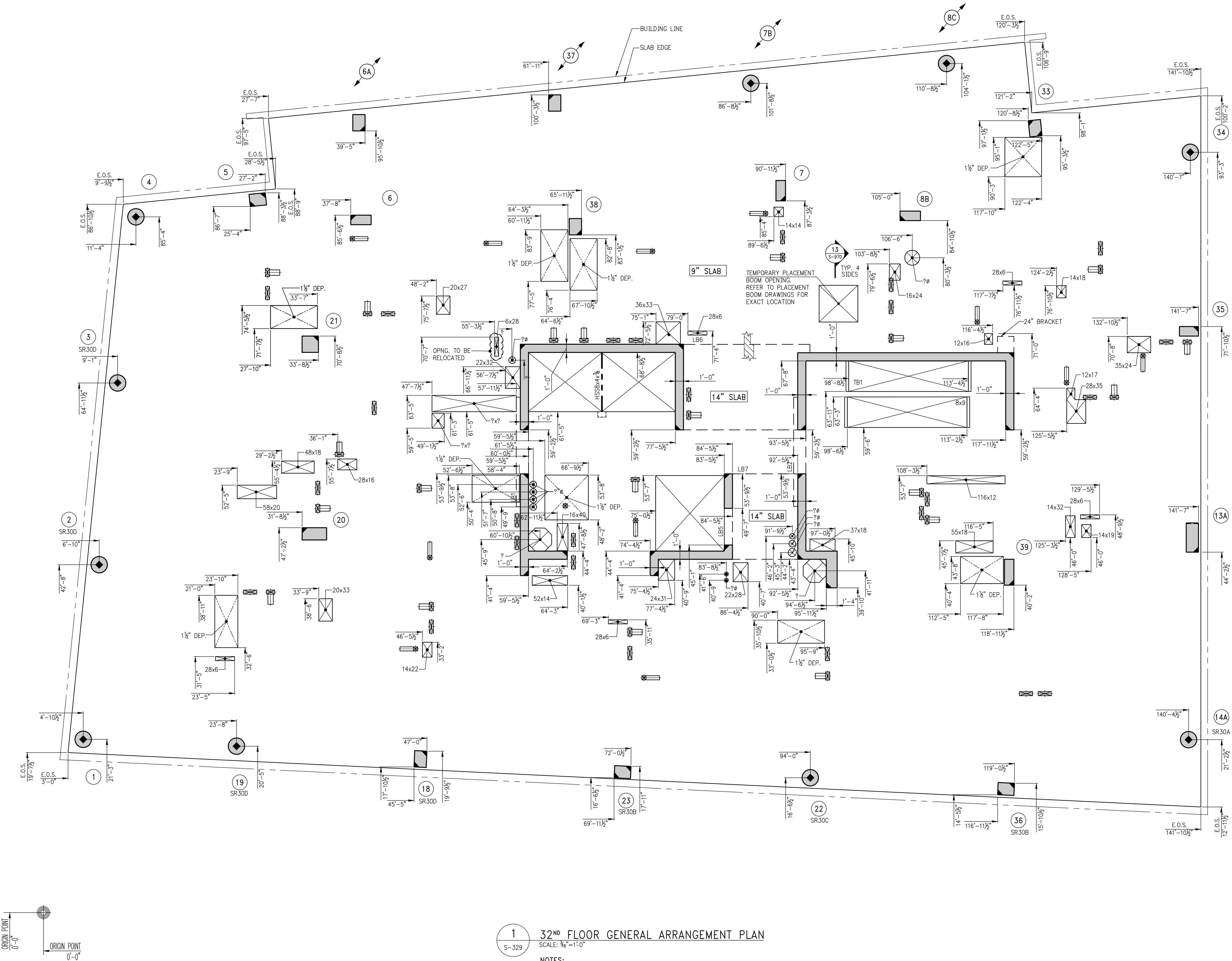
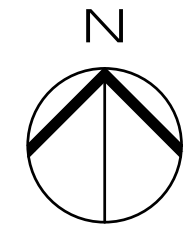
DOB STAMPS & SIGNATURES:

DWG TITLE:
31ST FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/03/2015
PROJECT #: 188704
SCALE: 3/16" = 1'-0"
S-319.00
DWG NO.

KEY PLAN



1 32ND FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/16" = 1'-0"

NOTES:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

5	06/02/2017	DOB SUBMISSION
4	06/14/2017	ISSUED FOR CONSTRUCTION
3	12/02/2016	80% CD UPDATED SET
2	10/02/2016	80% CD UPDATED SET
1	04/15/2016	SUPERSTRUCTURE AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
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STRUCTURAL ENGINEER:
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New York, NY 10017
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MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

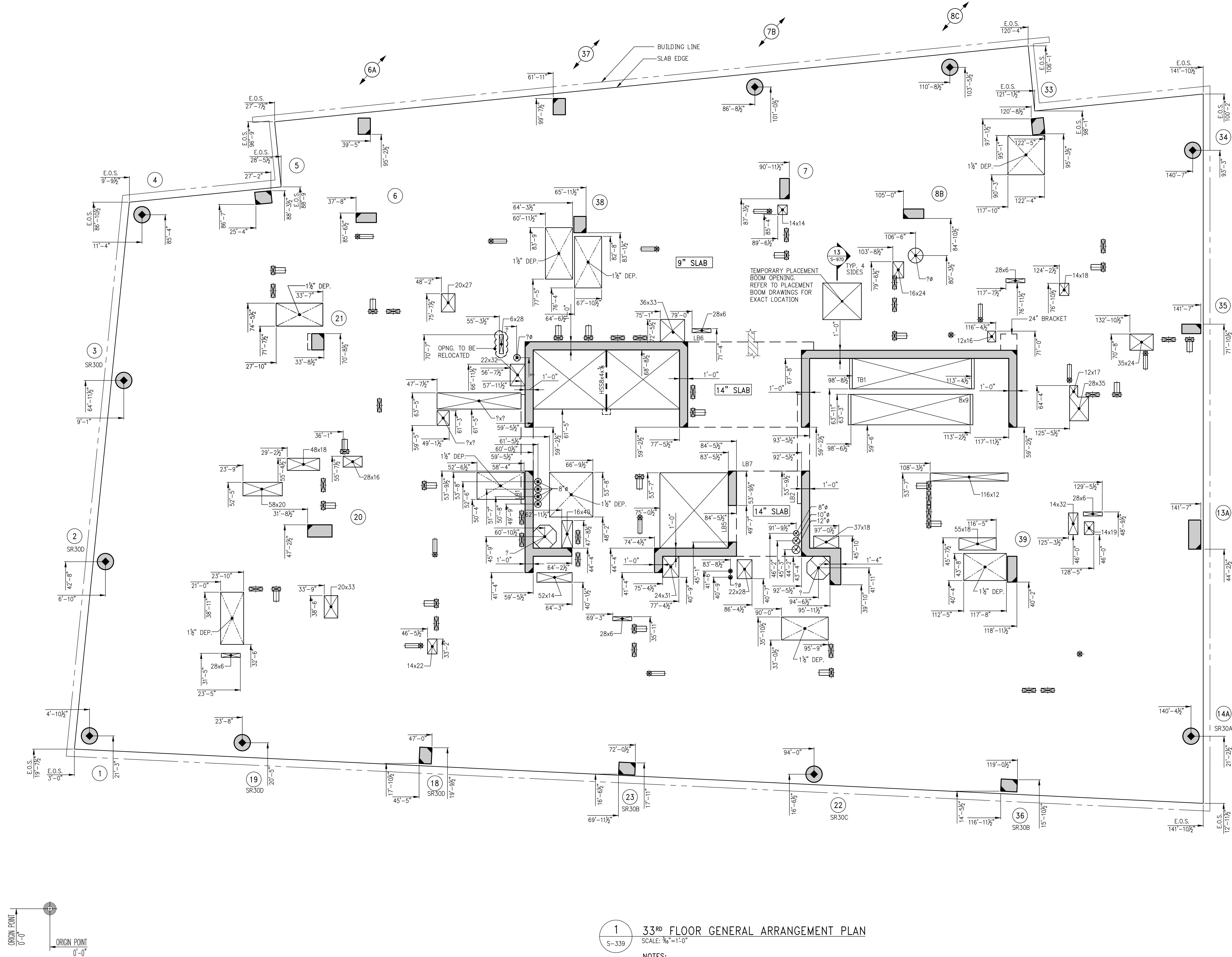
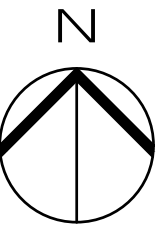
DOB STAMPS & SIGNATURES:

DWG TITLE:
32ND FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/03/2015
PROJECT # 189704
SCALE: 3/16" = 1'-0"
S-329.00
DWG NO.

KEY PLAN



1 33RD FLOOR GENERAL ARRANGEMENT PLAN
S-339 SCALE: 3/16" = 1'-0"
NOTES:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

5	06/02/2017	DOB SUBMISSION
4	04/16/2017	ISSUED FOR CONSTRUCTION
3	12/02/2016	88% CD
2	10/02/2016	80% CD UPDATED SET
1	04/15/2016	SUPERSTRUCTURE AWARD SET

Number: Date: Revision:
OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

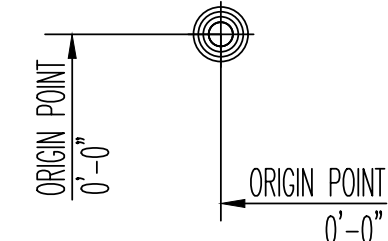
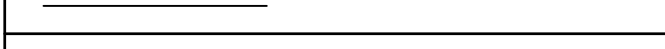
STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:
Victor Daza
APPROVED
Under Executive E-1 of 1975
EXEMPTED FROM REGISTRATION
Date: 02/04/2018
NYC Development Hub

DWG TITLE:
33RD FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:
DATE: 01/03/2015
PROJECT #: 188704
SCALE: 3/16" = 1'-0"
S-339.00
DWG NO:



1. FOR BALANCE OF INFORMATION SEE OVERALL CORRESPONDING FRAMING PLAN

INDICES	CODE	REMARKS
FINANC		

EXECUTIVE ARCHITECT:

DESIGN ARCHITECT:

CONSTRUCTION EXPENSE

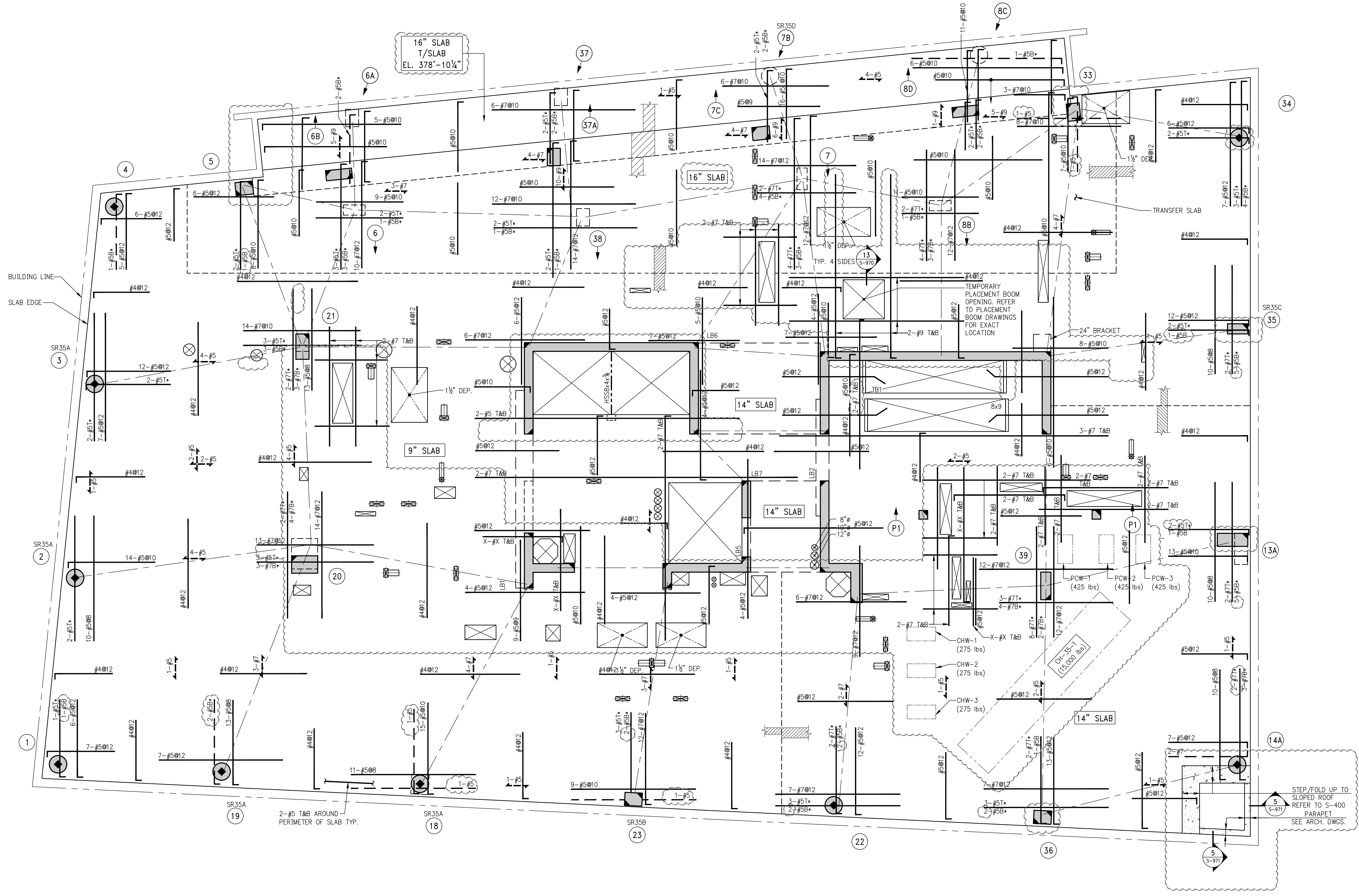
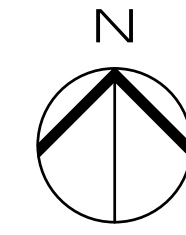
MEP/FP ENGINEER:

DOB STAMPS & SIGNATURES:

SEAL & SIGNATURE:	DATE: _____
-------------------	-------------

	DWG NO.

KEY PLAN



1 35TH FLOOR FRAMING PLAN
SCALE: 3/16" = 1'-0"

- NOTES:
1. TOP OF SLAB ELEVATION TO BE 379'-8 1/2" U.O.N. THUS ON PLAN
 2. SLAB TO BE 9" THICK U.O.N. THUS ON PLAN
 3. BOTTOM REINFORCEMENT TO BE #4@12 CONT. E.W. FOR 9" SLAB U.O.N.
#5@12 CONT. E.W. FOR 14" SLAB U.O.N.
#5@10 CONT. E.W. FOR 16" SLAB U.O.N.
 4. FOR BALANCE OF NOTES SEE DRAWING S-010.

SCHEDULE OF STUDRAIL SLAB SHEAR REINFORCEMENT AT COLUMNS 35TH FLOOR										
STUD RAIL MARK	COLUMN NUMBER	SLAB THICKNESS 'h' (IN.)	NUMBER OF FACES REINFORCED	NUMBER OF STUDS RAILS ON LONG SIDE	NUMBER OF STUDS RAILS ON SHORT SIDE	TOTAL NUMBER OF STUDRAILS	STUD DIAMETER	NUMBER OF STUDS PER RAIL	STUD SPACING 's'	REMARKS
SR35A	2,3,18,19	9	3	3	3	9	1/2	6	3 1/2	
SR35B	23	9	3	3	2	7	3/4	5	3 3/4	
SR35C	35	9	3	3	3	9	1/2	4	3 3/4	
SR35D	7B	16	3	2	2	6	3/4	11	6 1/4	

10	06/02/2017	DOB SUBMISSION
9	04/14/2017	ISSUED FOR CONSTRUCTION
8	10/02/2016	80% CD
7	10/05/2016	80% CD UPDATED SET
6	04/12/2016	SUPERSUBMITTAL AWARD SET
5	07/07/2015	DOB SUBMISSION
4	07/20/2015	100% CD
3	03/20/2015	50% CD
2	03/02/2015	100% CD
1	12/17/2015	100% CD

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel: (212) 213-8007 Fax: (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
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228 East 45th St, 3rd Floor
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MEP/P ENGINEER:
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512 Seventh Avenue
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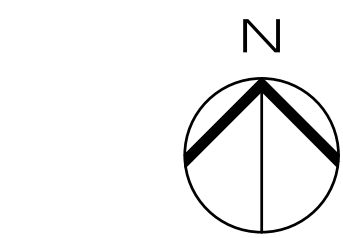
DOB STAMPS & SIGNATURES:

DWG TITLE:
35TH FLOOR FRAMING PLAN

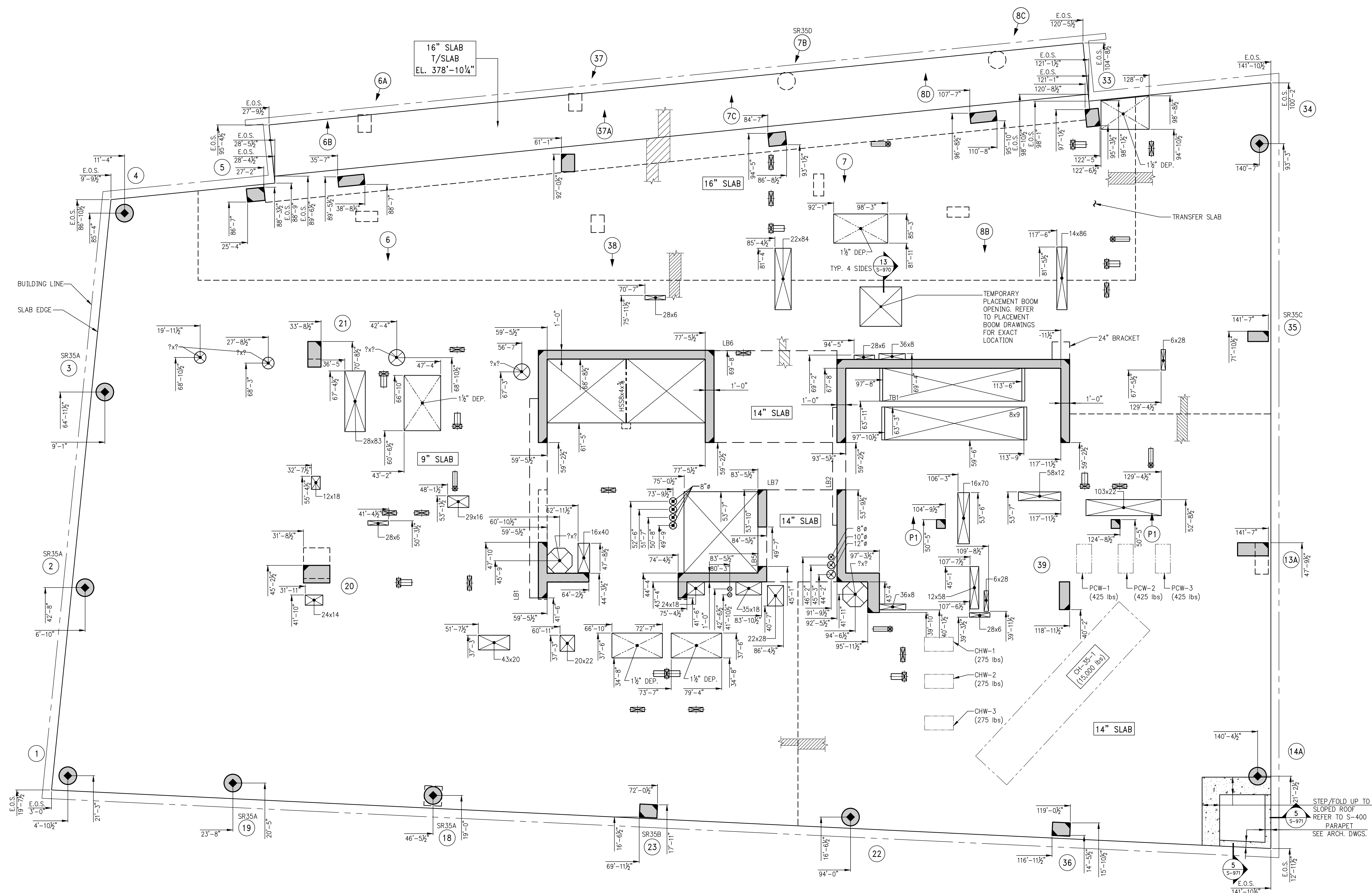
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/03/2015
PROJECT #: 188104
SCALE: 3/16" = 1'-0"
S-350.00
DWG NO.



KEY PLAN



1 35TH FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/8" = 1'-0"

- NOTES:
1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.
 2. INDICATES SLOPING ROOF IN 2 DIRECTIONS
 3. REFER TO S-409 FOR ROOF GENERAL ARRANGEMENT PLAN

5	06/02/2017	038 SUBMISSION
4	04/14/2017	ISSUE FOR CONSTRUCTION
3	12/02/2016	85% CD
2	10/02/2016	80% CD UPDATED SET
1	04/15/2016	SUPERSTRUCTURE AWARD SET

Number	Date	Revision
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OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

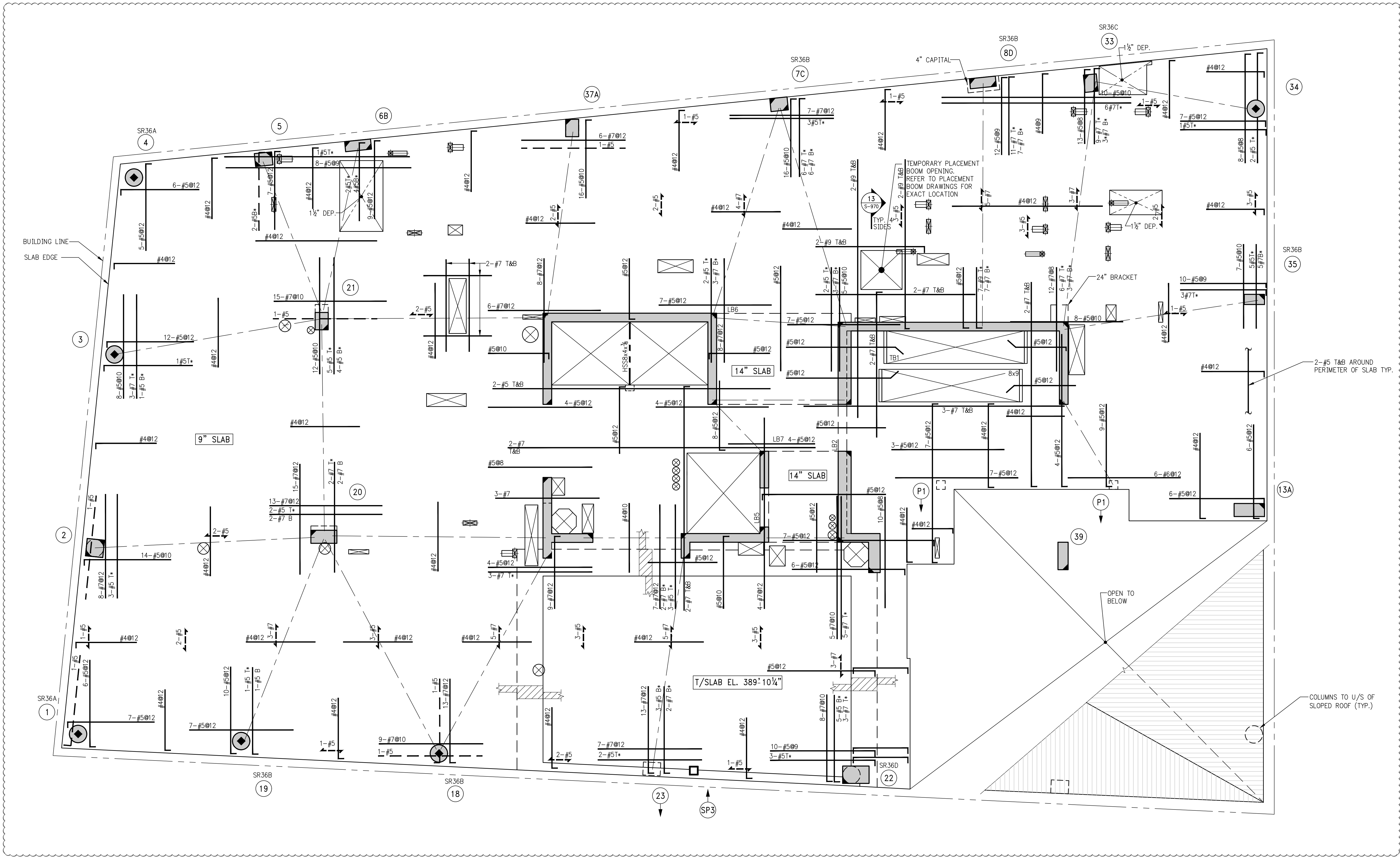
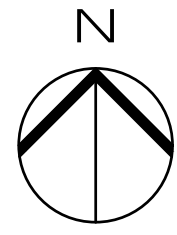
DOB STAMPS & SIGNATURES:



DWG TITLE:
35TH FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE	DATE: 07/03/2015
	PROJECT # 188704
	SCALE: 3/8" = 1'-0"
	S-359.00
	DWG NO.

KEY PLAN



1 36TH FLOOR FRAMING PLAN (MECHANICAL FLOOR)

SCALE: 3/8"=1'-0"

NOTES:

1. TOP OF SLAB ELEVATION TO BE 390'-8 1/4" U.O.N. ON PLAN.
2. SLAB TO BE 9" THICK U.O.N. THUS ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #4@12 CONT. E.W. FOR 14" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

SCHEDULE OF STUDRAIL SLAB SHEAR REINFORCEMENT AT COLUMNS 36TH FLOOR

STUD RAIL MARK	COLUMN NUMBER	SLAB THICKNESS 'h' (IN.)	NUMBER OF FACES REINFORCED	NUMBER OF STUDRAILS ON LONG SIDE	NUMBER OF STUDRAILS ON SHORT SIDE	TOTAL NUMBER OF STUDRAILS	STUD DIAMETER	NUMBER OF STUDS PER RAIL	STUD SPACING 'S'	REMARKS
SR36A	1,4	9	2	3	3	6	3/8	5	3 3/4	
SR36B	7C,8D,18,19,35	9	3	3	3	9	3/8	6	3 3/4	
SR36C	23,33	9	3	3	3	9	3/8	9	3 3/4	
SR36D	22,P	9	2	3	3	6	3/8	10	2 3/4	

10	06/02/2017	DOB SUBMISSION
9	04/14/2017	ISSUED FOR CONSTRUCTION
8	12/02/2016	90% CD
7	10/05/2016	90% CD UPDATED SET
6	04/15/2016	SUPPLEMENTAL MAJOR SET
5	07/07/2015	DOB SUBMISSION
4	07/20/2015	100% CD
3	03/20/2015	50% CD
2	03/02/2015	100% CD
1	12/17/2015	100% CD

Number: Date: Revision:

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

STRUCTURAL ENGINEER:
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CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/PFP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:



DWG TITLE:
36TH FLOOR FRAMING PLAN
(MECHANICAL FLOOR)
NB#XXXXXXXX

SEAL & SIGNATURE:


DATE: 07/03/2015
PROJECT #: 188704
SCALE: AS NOTED
S-360.00
DWG NO.




S-369 SCALE: 7/8" = 1'-0"

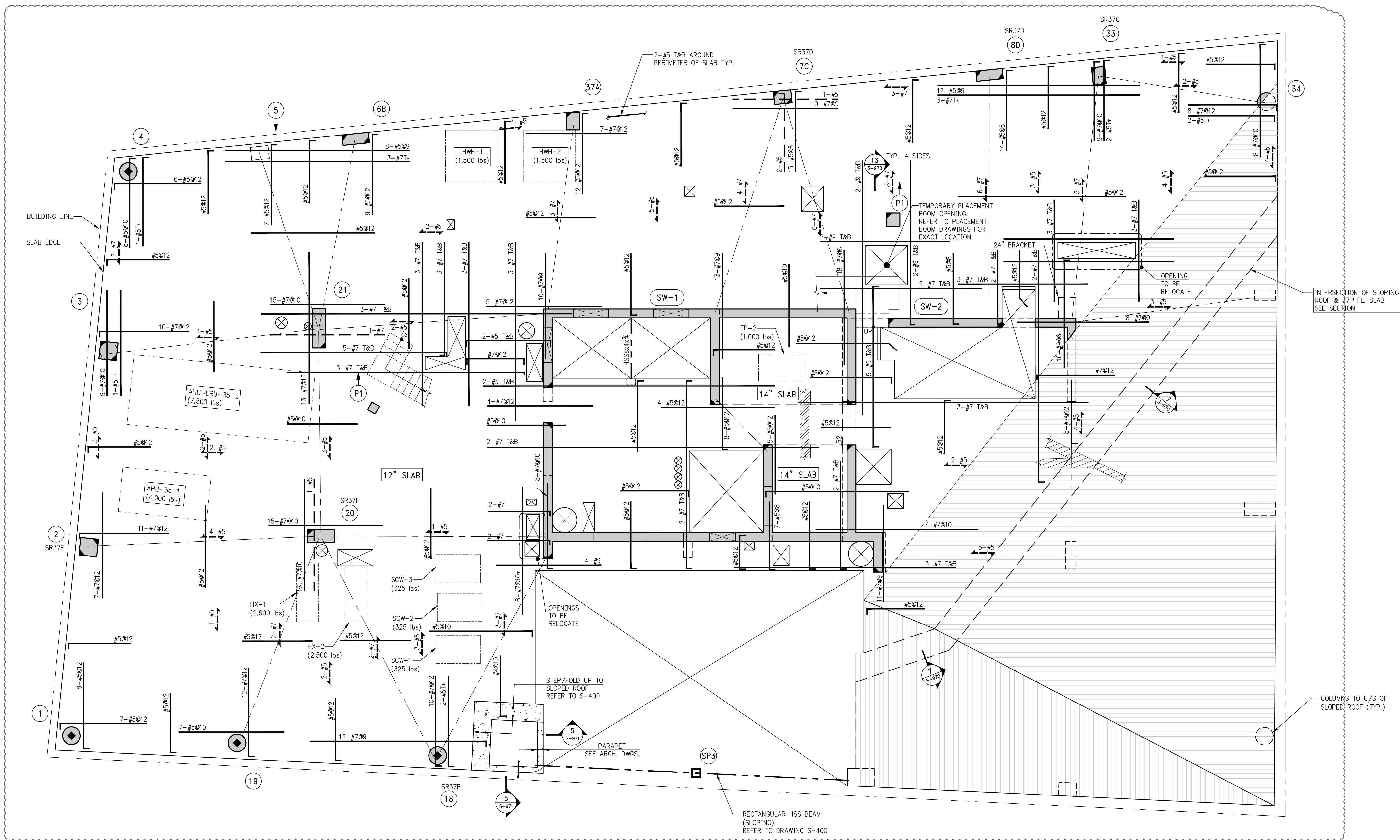
NOTE:

1. FOR NOTES SEE CORRESPONDING FRAMING PLAN.

2.  INDICATES SLOPING ROOF
REFER TO S-409 FOR ROOF GENERAL ARRANGEMENT PLAN

DATE: 07/31/2015	DATE: 07/31/2015
PROJECT #: 1450104	PROJECT #: 1450104
SCALE: AS NOTED	SCALE: AS NOTED
	
DWG NO.	S-369.00

KEY PLAN



SCHEDULE OF STUDRAIL SLAB SHEAR REINFORCEMENT AT COLUMNS 37 TH FLOOR							
STUD RAIL MARK	COLUMN NUMBER	SLAB THICKNESS 'h' (IN.)	NUMBER OF FACES REINFORCED	TOTAL NUMBER OF STUDRAILS	STUD DIAMETER	NUMBER OF STUDS PER RAIL	STUD SPACING 'S'
SR37A	14A, 36	9	3	9	1/2	5	3 3/4
SR37B	18	12	3	6	3/4	5	5 1/4
SR37C	33	12	3	8	1/2	7	3 3/4
SR37D	7C, 8D	12	3	7	3/4	7	4 3/4
SR37E	2	12	3	8	3/4	6	5 1/4
SR37F	20	12	4	10	1/2	8	3 3/4
SR37G	22	9	2	8	1/2	3	3 3/4

- 1 37TH FLOOR FRAMING PLAN (MECHANICAL FLOOR)
SCALE: 3/8"=1'-0"
- NOTES:
1. TOP OF SLAB ELEVATION TO BE 402'-8 1/2" U.O.N. ON PLAN
2. SLAB TO BE 12" THICK U.O.N. THUS ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #5@12 CONT. E.W. FOR 12" SLAB U.O.N. #5@12 CONT. E.W. FOR 14" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

11	06/02/2017	DOE SUBMISSION
10	04/14/2017	ISSUED FOR CONSTRUCTION
9	10/02/2016	90% CD
8	10/02/2016	90% CD UPDATED SET
7	10/02/2016	90% CD UPDATED SET
6	04/15/2016	SUPERSTRUCTURE AWARD SET
5	07/07/2015	DOE SUBMISSION
4	07/20/2015	100% CD
3	03/20/2015	50% CD
2	03/03/2015	100% FILING
1	12/17/2015	100% SD

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1754

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ARCHITECTS, LLP
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MEP/PFP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOE STAMPS & SIGNATURES:

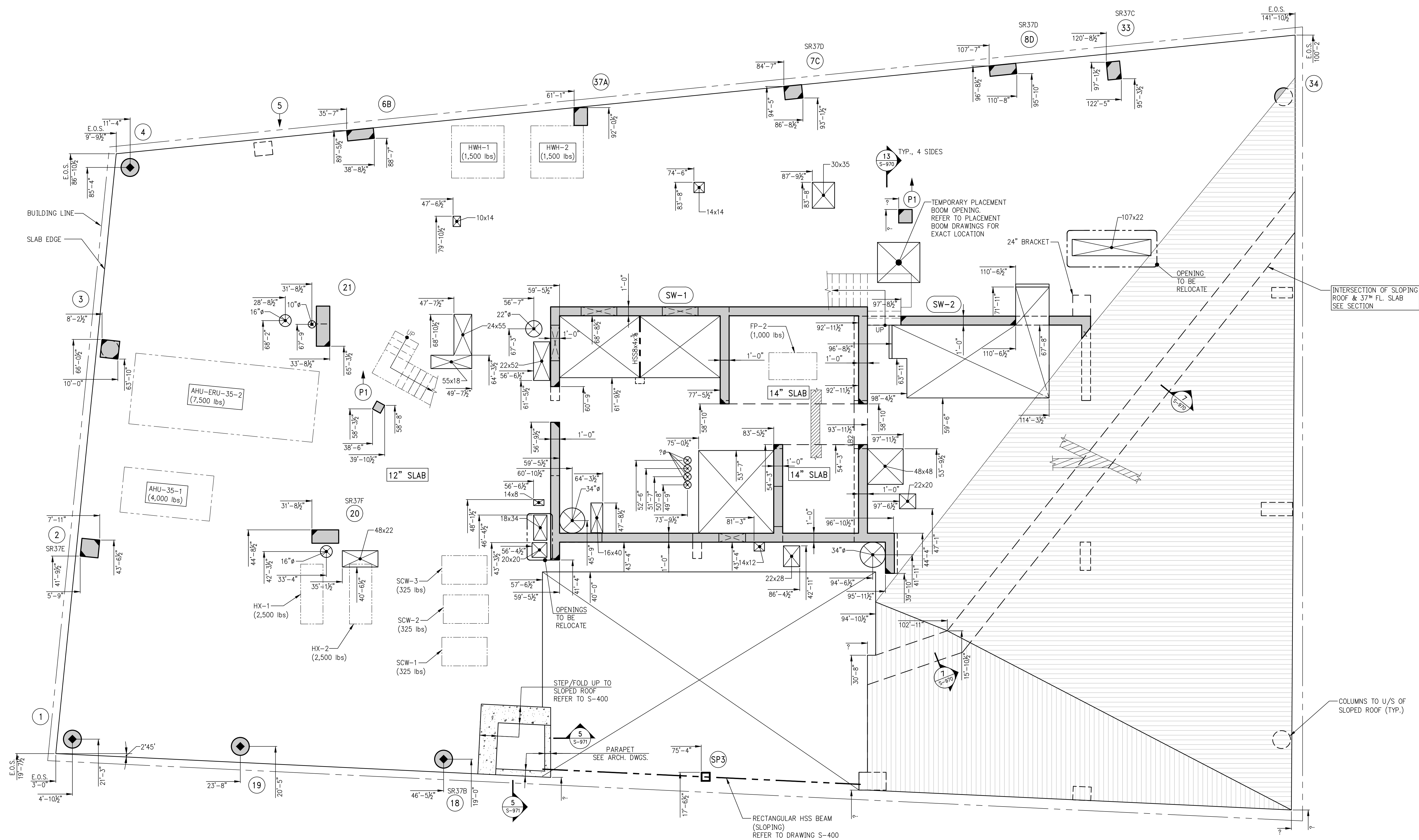
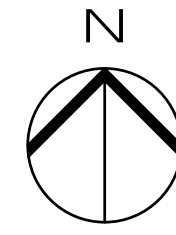
APPROVED
Under Executive E-1975
EXEMPTED FROM REGISTRATION
Date: 02/04/2018
NYC Development Hub

DWG TITLE:
37TH FLOOR FRAMING PLAN
(MECHANICAL FLOOR)
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/03/2015
PROJECT #: 188104
SCALE: AS NOTED
S-370.00
DWG NO.

KEY PLAN



1 37TH FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/8"=1'-0"

- NOTES:
- FOR NOTES SEE CORRESPONDING FRAMING PLAN.
 - INDICATES SLOPING ROOF
REFER TO S-409 FOR ROOF GENERAL ARRANGEMENT PLAN

5	06/02/2017	03B SUBMISSION
4	04/10/2017	ISSUED FOR CONSTRUCTION
3	12/02/2016	85% CD
2	10/02/2016	85% CD UPDATED SET
1	04/15/2016	SUPERSTRUCTURE AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
GHW
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1754

DESIGN ARCHITECT:
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ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
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New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

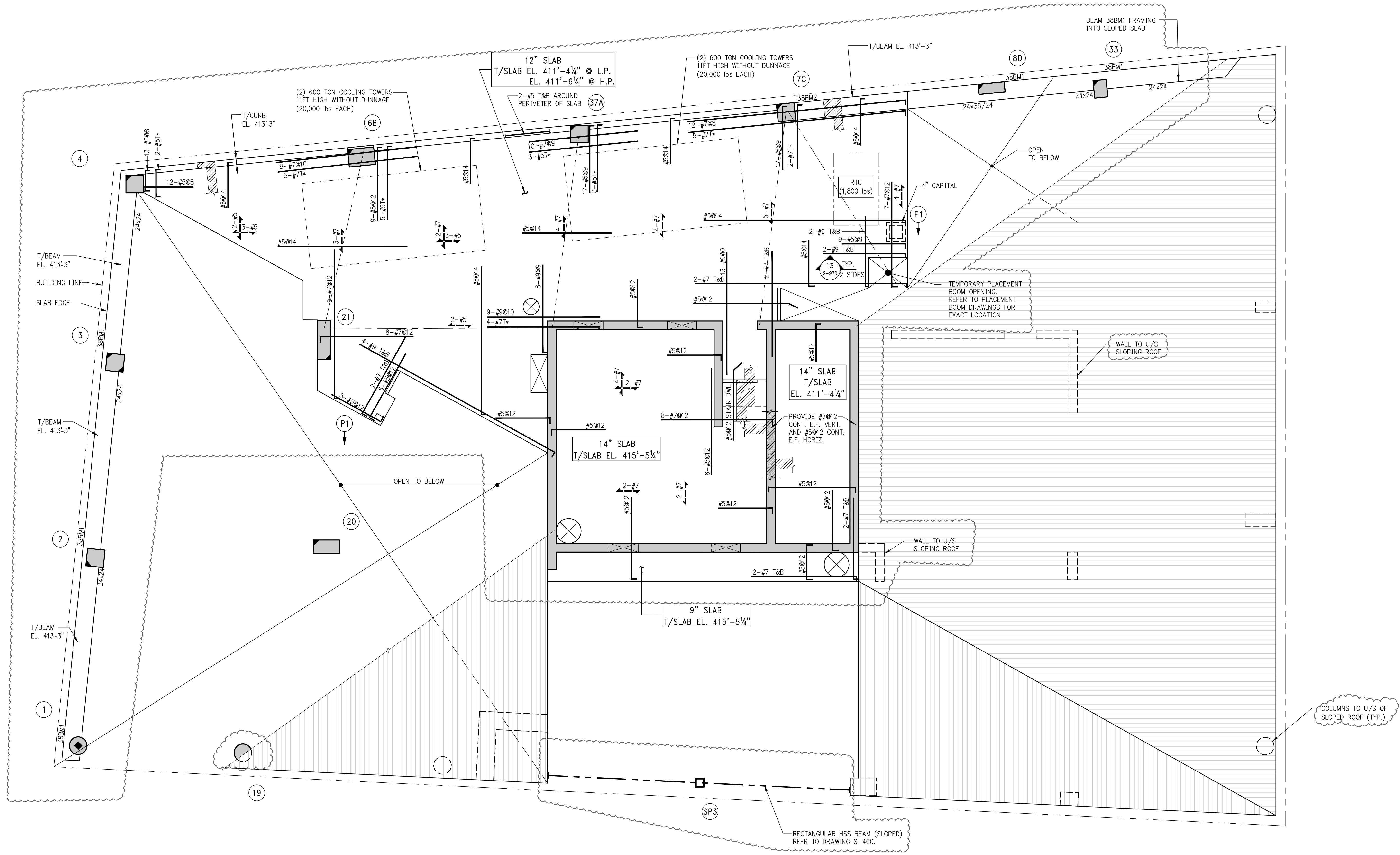
DOB STAMPS & SIGNATURES:

DWG TITLE:
37TH FLOOR GENERAL
ARRANGEMENT PLAN
(MECHANICAL FLOOR)
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/03/2015
PROJECT #: 188704
SCALE: AS NOTED
DWG NO: S-379.00

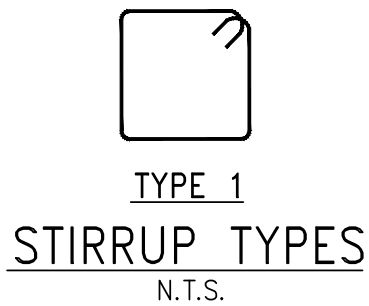
KEY PLAN



1 38TH FLOOR FRAMING PLAN (MAIN MECHANICAL FLOOR)
SCALE: 1/8"=1'-0"

- NOTES:
1. TOP OF SLAB ELEVATION TO BE AS STATED ON PLAN.
 2. SLAB TO BE 12" THICK U.O.N. THIS DRAWING PLAN.
 3. BOTTOM REINFORCEMENT TO BE #5@14" CONT. E.W. FOR 12" SLAB.
#5@12" CONT. E.W. FOR 14" SLAB.
#4@12" CONT. E.W. FOR 9" SLAB.
 4. FOR BALANCE OF NOTES SEE DRAWING S-380.0.

BEAM SCHEDULE									
BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS			REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SIZE	SPACING	
38BM1	24	24	3-#11	3-#11		1	#4	08	PROVIDE 3-#9 SKIN REINFORCING EACH FACE
38BM2	24	35/24	3-#11	3-#11		1	#4	08	PROVIDE 3-#9 SKIN REINFORCING EACH FACE



Number	Date	Revision
10	06/02/2017	DOB SUBMISSION
9	04/14/2017	ISSUED FOR CONSTRUCTION
8	12/02/2016	85% CD
7	10/02/2016	80% CD UPDATED SET
6	04/15/2016	SUPPLEMENTAL MAJOR SET
5	07/07/2015	DOB SUBMISSION
4	07/20/2015	100% DO
3	03/20/2015	50% DO
2	03/02/2015	100% FILING
1	12/17/2015	100% DO

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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11 Broadway, Suite 1700
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DESIGN ARCHITECT:
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ARCHITECTS, LLP
475 Tenth Avenue
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Tel: (212) 967-6560

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CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
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MEP/P ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
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Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

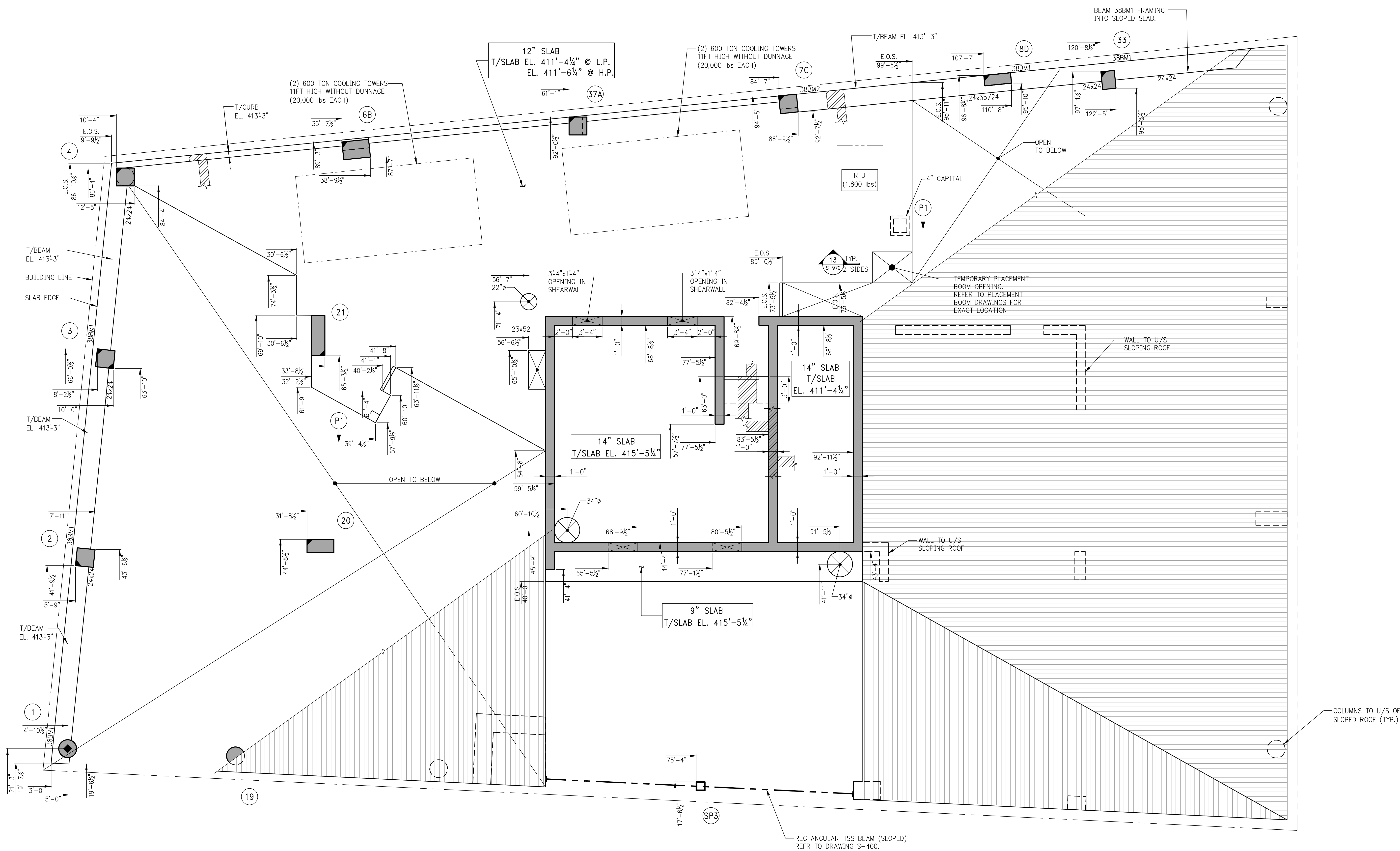
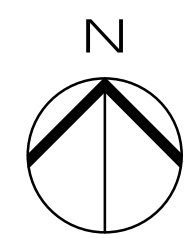
APPROVED
Under Executive and 1975
EXEMPTED EXEMPTATION
Date: 02/04/2018
NYC Development Hub

DWG TITLE:
38TH FLOOR FRAMING PLAN
(MAIN MECHANICAL FLOOR)
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/01/2015
PROJECT #: 188704
SCALE: AS NOTED
S-380.00
DWG NO.

KEY PLAN



1 38TH FLOOR GENERAL ARRANGEMENT PLAN (MAIN MECHANICAL FLOOR)
S-389 SCALE: 3/8" = 1'-0"

NOTES:

- FOR NOTES SEE CORRESPONDING FRAMING PLAN.
- INDICATES SLOPING ROOF
REFER TO S-409 FOR ROOF GENERAL ARRANGEMENT PLAN

6	04/02/2017	XXXXXX
5	06/02/2017	DOB SUBMISSION
4	04/10/2017	ISSUED FOR CONSTRUCTION
3	12/02/2016	95% CD
2	10/05/2016	95% CD UPDATED SET
1	04/15/2016	SUPPLEMENTAL AWARD SET

Number: Date: Revision:

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

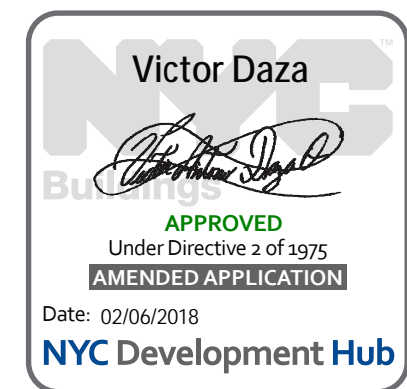
EXECUTIVE ARCHITECT:
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New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1754

DESIGN ARCHITECT:
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New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

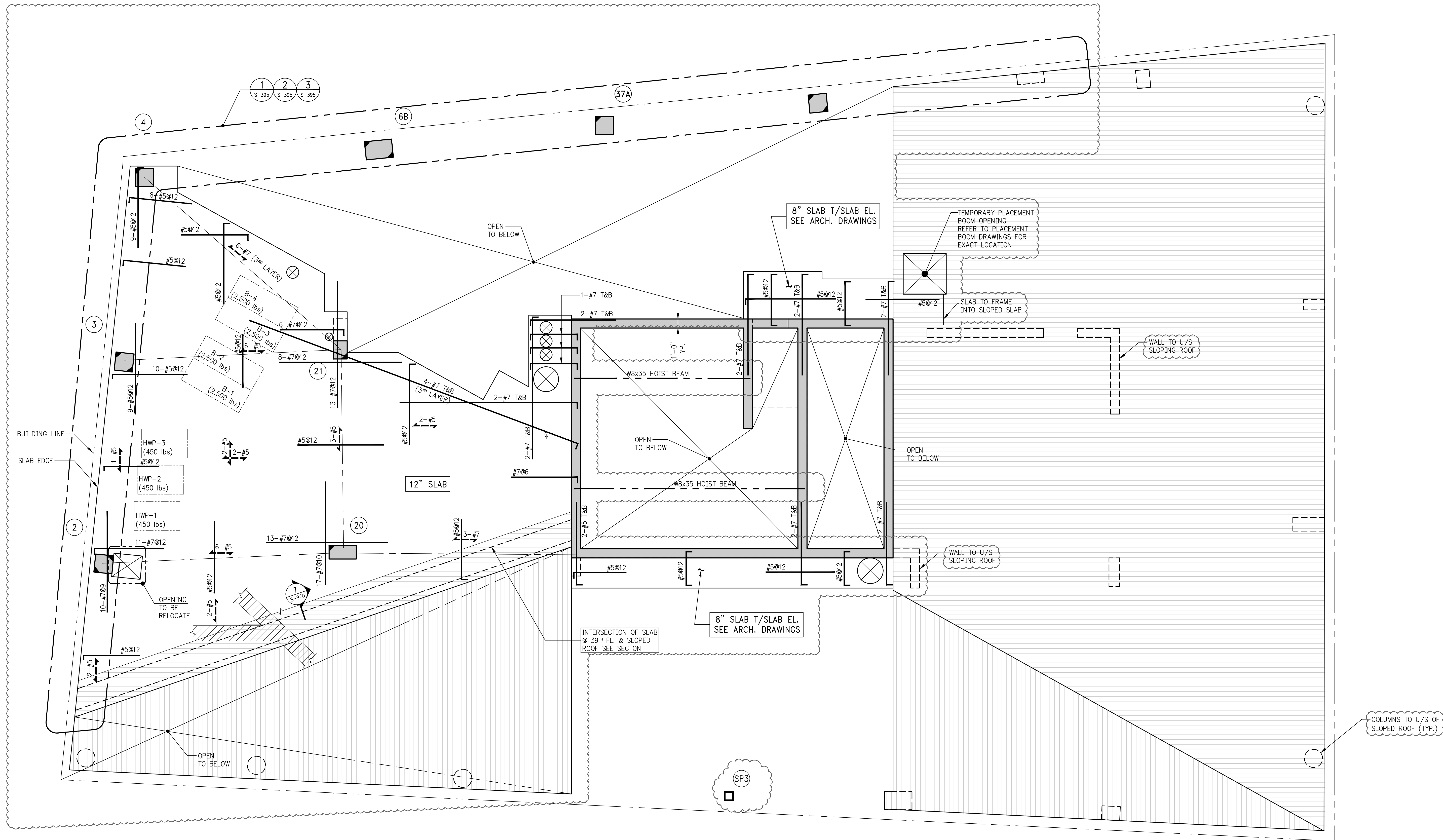
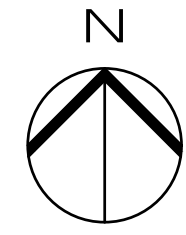


DWG TITLE: 38TH FLOOR GENERAL
ARRANGEMENT PLAN
(MAIN MECHANICAL FLOOR)
NB#XXXXXXXX

SEAL & SIGNATURE

DATE: 07/01/2015
PROJECT #: 188704
SCALE: 3/8" = 1'-0"
S-389.00
DWG NO.

KEY PLAN



SCHEDULE OF STUDRAIL SLAB SHEAR REINFORCEMENT AT COLUMNS 39 TH FLOOR							
STUD RAIL MARK	COLUMN NUMBER	SLAB THICKNESS "h" (IN.)	NUMBER OF FACES OF REINFORCED	TOTAL NUMBER OF STUDRAILS	STUD DIAMETER	NUMBER OF STUDS PER RAIL	STUD SPACING "S"
SR39A	19	9	3	9	1/2	4	3 1/2
REMARKS							

1 39TH FLOOR FRAMING PLAN
SCALE: 1/8"=1'-0"

- NOTES:
1. TOP OF SLAB ELEVATION TO BE 420'-8 1/2" THUS U.O.N. ON PLAN
 2. SLAB TO BE 12" THICK U.O.N. THUS U.O.N. ON PLAN
 3. BOTTOM REINFORCEMENT TO BE #5@12 CONT. E-W FOR 8" SLAB U.O.N. (4#@12 CONT. E-W FOR 8" SLAB U.O.N.)
 4. FOR BALANCE OF NOTES SEE DRAWING S-390

Number	Date	Revision
10	06/02/2017	DOB SUBMISSION
9	04/14/2017	ISSUED FOR CONSTRUCTION
8	12/02/2016	80% CD
7	10/05/2016	80% CD UPDATED SET
6	04/15/2016	SUPPLEMENTAL WARD SET
5	01/01/2015	DOB SUBMISSION
4	01/20/2015	100% CD
3	03/20/2015	50% CD
2	03/02/2015	100% PLING
1	12/17/2015	100% SD

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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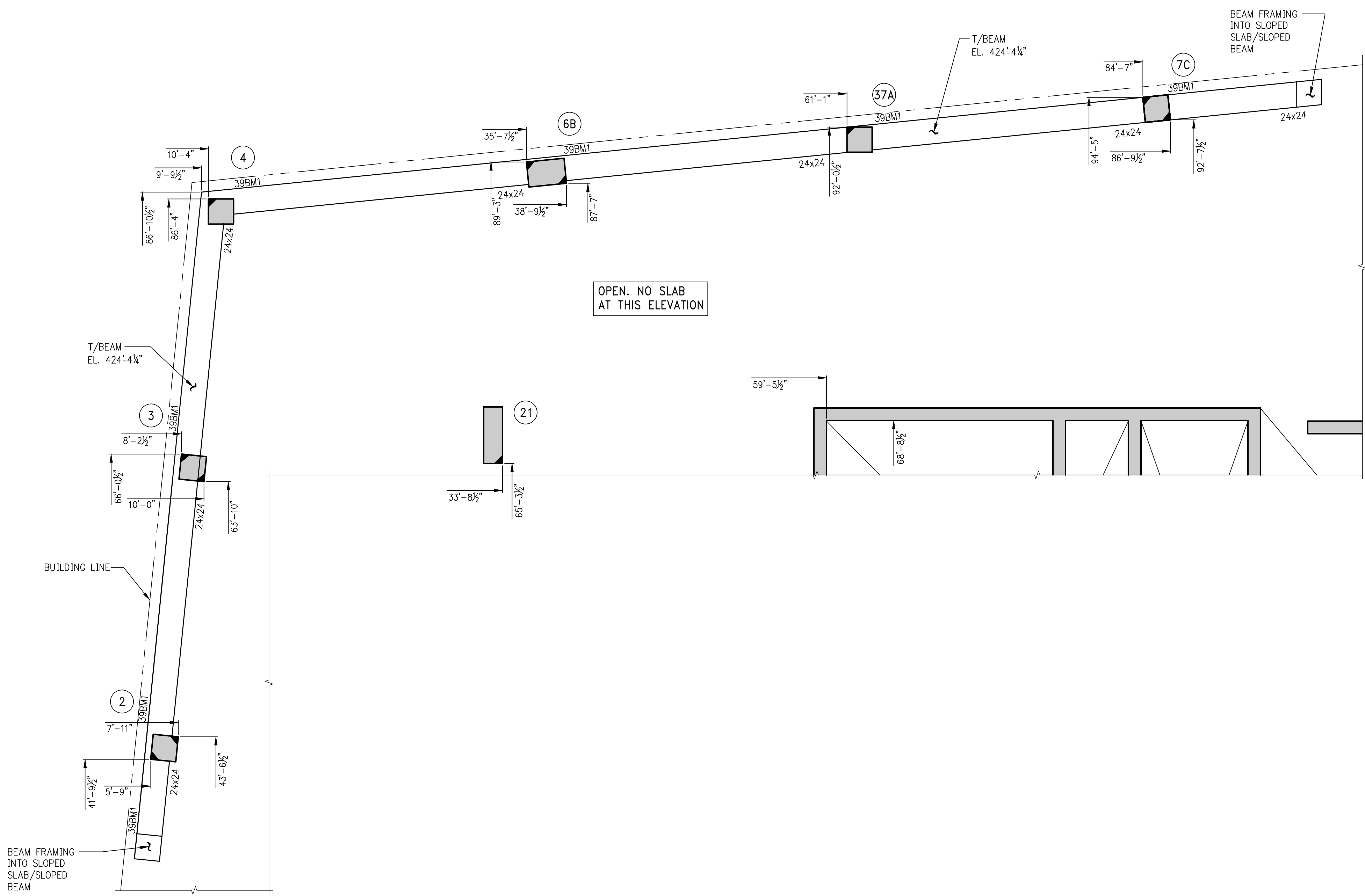
DOB STAMPS & SIGNATURES:

DWG TITLE:
39TH FLOOR FRAMING PLAN

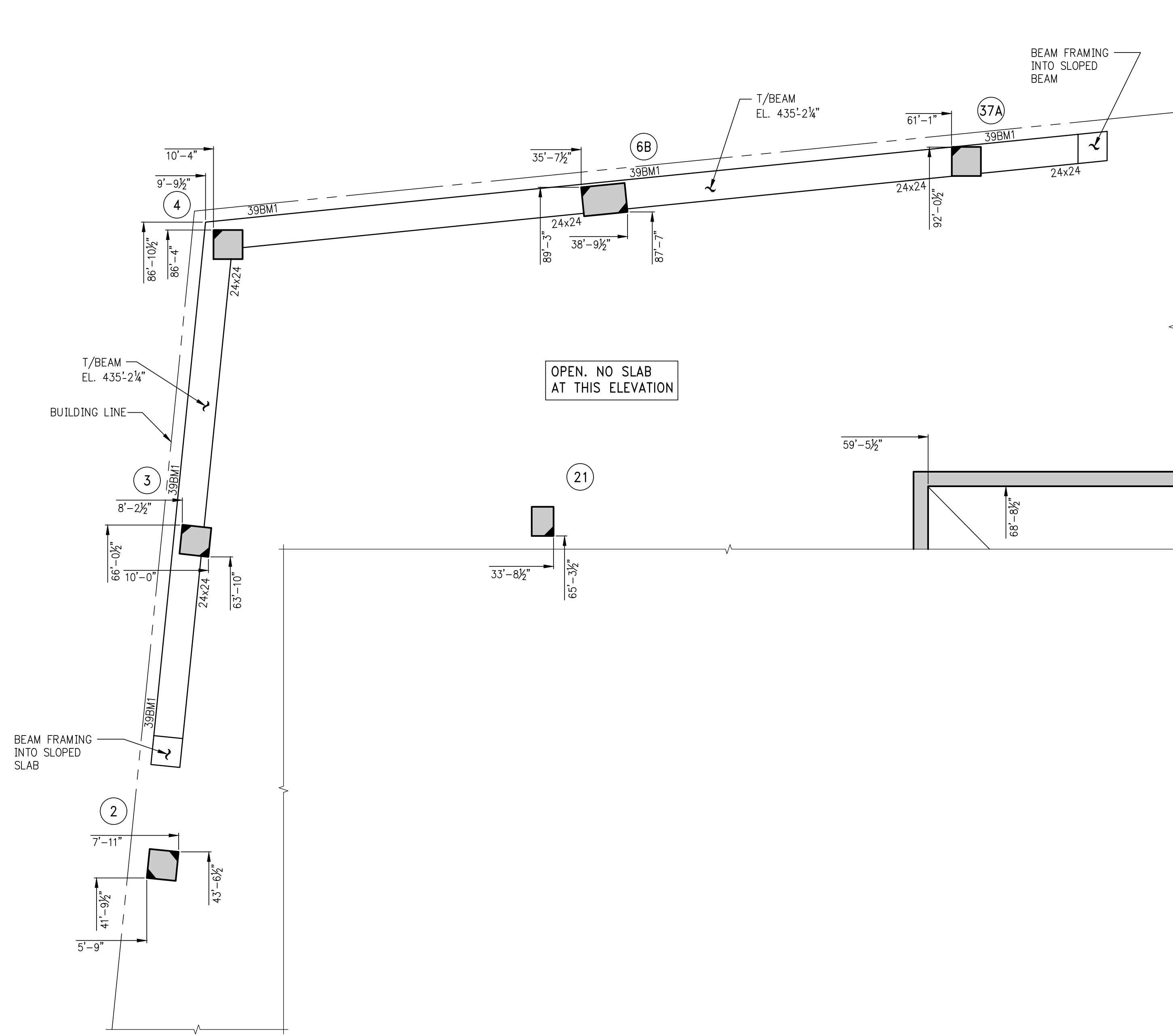
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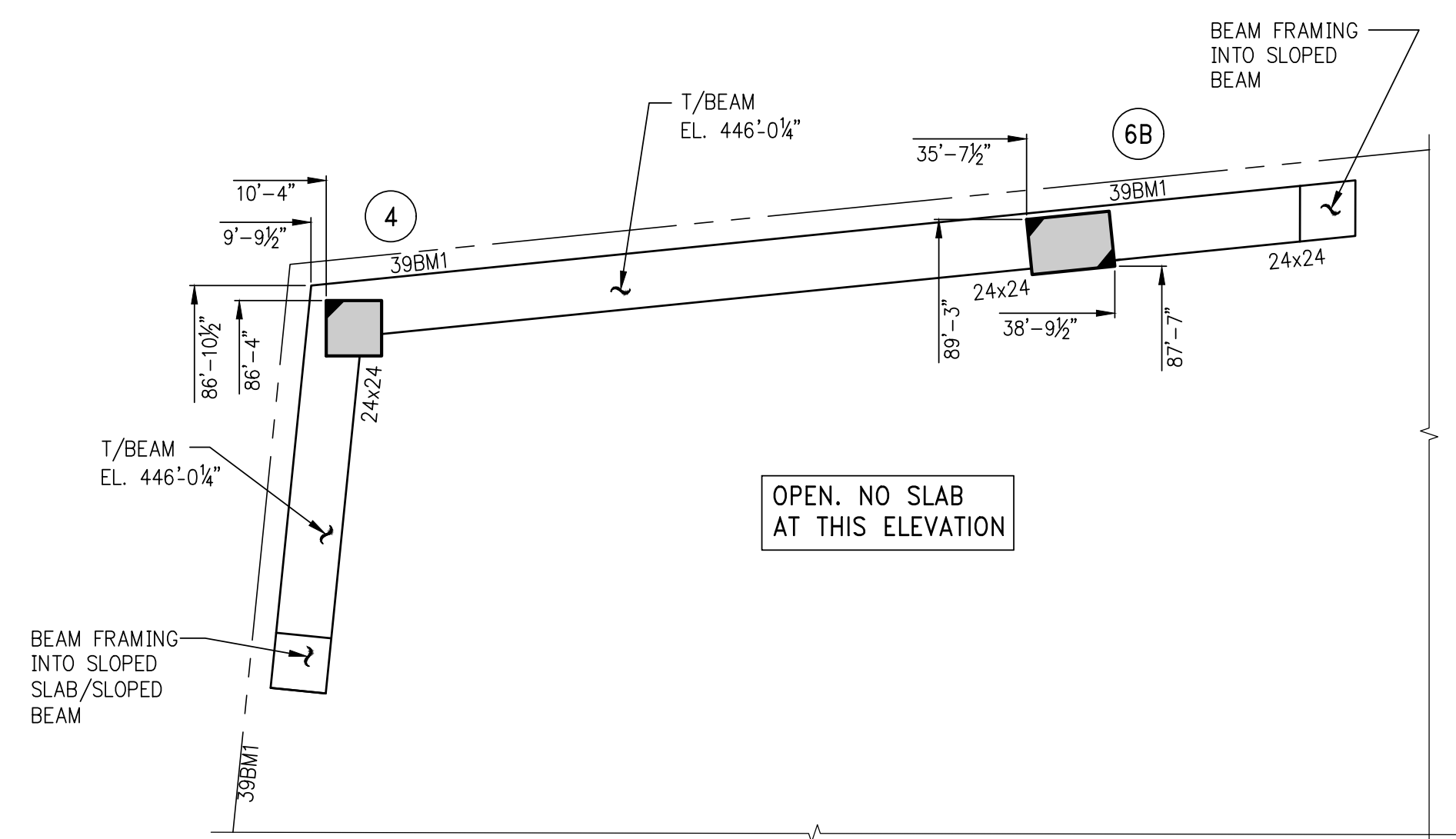
DATE: 01/01/2015
PROJECT #: 138704
SCALE: AS NOTED
S-390.00
DWG NO.



1 RING BEAM PART PLAN AT ELEVATION 424'-4 1/4"
S-395 SCALE: 3/8"=1'-0"



2 RING BEAM PART PLAN AT ELEVATION 435'-2 1/4"
S-395 SCALE: 3/8"=1'-0"



3 RING BEAM PART PLAN AT ELEVATION 446'-0 1/4"
S-395 SCALE: 3/8"=1'-0"

BEAM SCHEDULE									
BEAM MARK	SIZE		REINFORCEMENT		STIRRUPS			REMARKS	
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TYPE	SIZE	SPACING		
39BMT	24	24	3-#11	3-#11		1	#4	06	PROVIDE 3-#8 SKIN REINFORCING EACH FACE

TYPE 1
STIRRUP TYPES
N.T.S.

Number	Date	Revision
2	06/02/2017	006 SUBMISSION
1	04/14/2017	005 FOR CONSTRUCTION

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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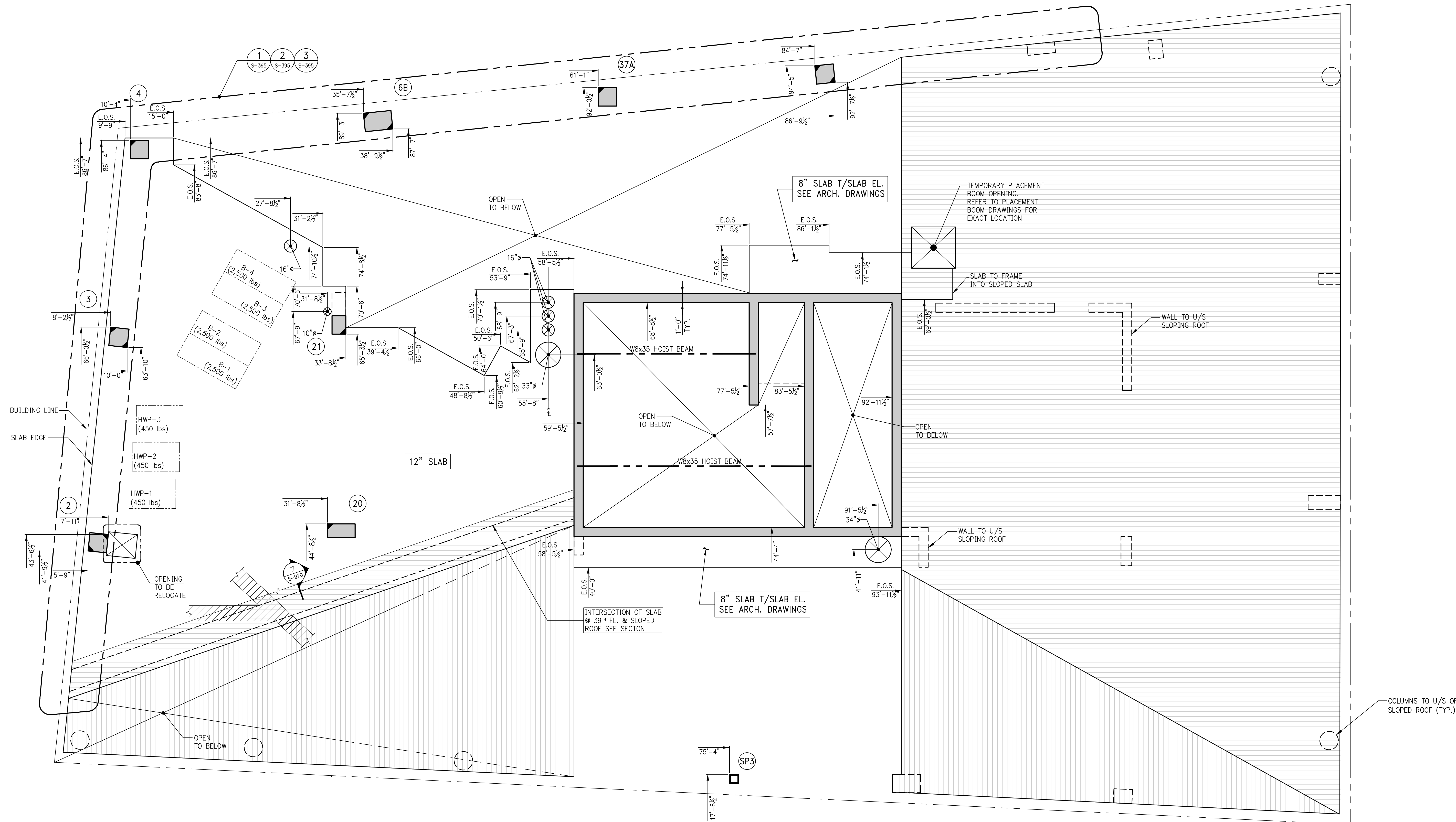
DOB STAMPS & SIGNATURES:

DWG TITLE:
RING BEAM PART
FRAMING PLANS
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/03/2015
PROJECT #: 188704
SCALE: AS NOTED
S-395.00
DWG NO.

KEY PLAN



1 39TH FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/8"=1'-0"

- NOTES:
- FOR NOTES SEE CORRESPONDING FRAMING PLAN.
 - INDICATES SLOPING ROOF IN 2 DIRECTIONS

5	08/02/2017	DOB SUBMISSION
4	04/14/2017	ISSUED FOR CONSTRUCTION
3	12/02/2016	FOR DO
2	10/05/2016	80% DO UPDATED SET
1	04/15/2016	SUPPLEMENTAL AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

APPROVED
Under Executive Order 1975
EXTENDED EXPIRATION
Date: 02/04/2018
NYC Development Hub

DWG TITLE:
39TH FLOOR GENERAL
ARRANGEMENT PLAN
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/01/2015
PROJECT #: 188104
SCALE: AS NOTED
DWG NO: S-399.00



5	06/02/2017	DOB SUBMISSION
4	04/14/2017	ISSUED FOR CONSTRUCTION
3	12/02/2016	85% CD
2	10/03/2016	85% CD UPDATED SET
1	04/15/2016	85% CD SUPERSTRUCTURE AWARD SET

Number	Date	Revision
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OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

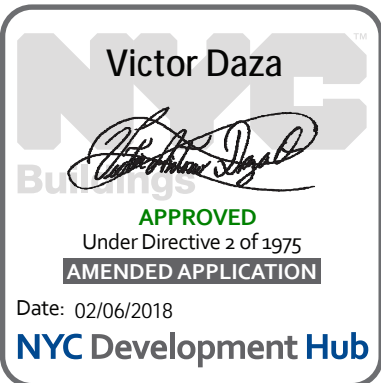
EXECUTIVE ARCHITECT:
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Goldstein, Hill & West Architects, LLP
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Tel (212) 213-8007 Fax (212) 686-1754

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DOB STAMPS & SIGNATURES:

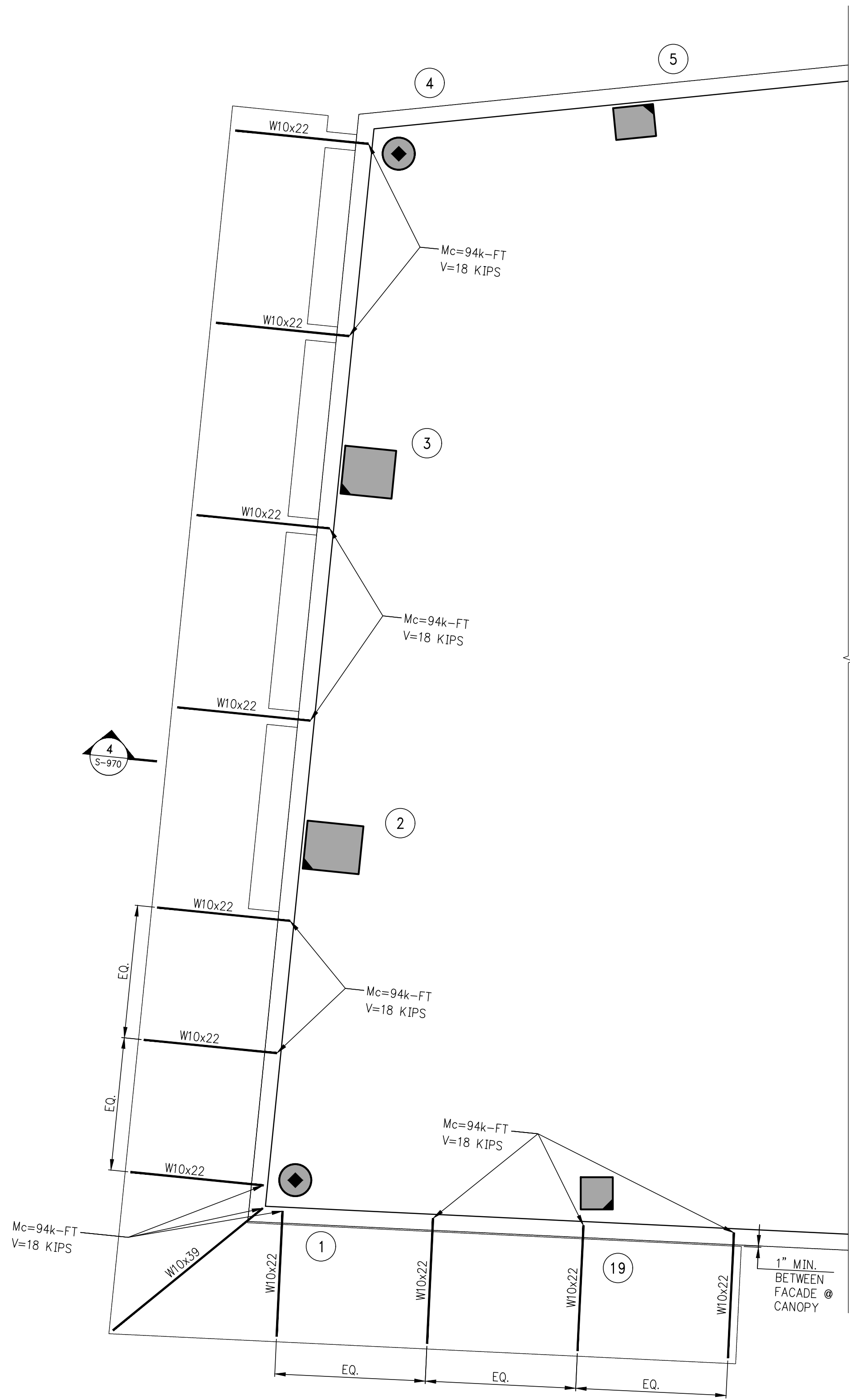


DWG TITLE:

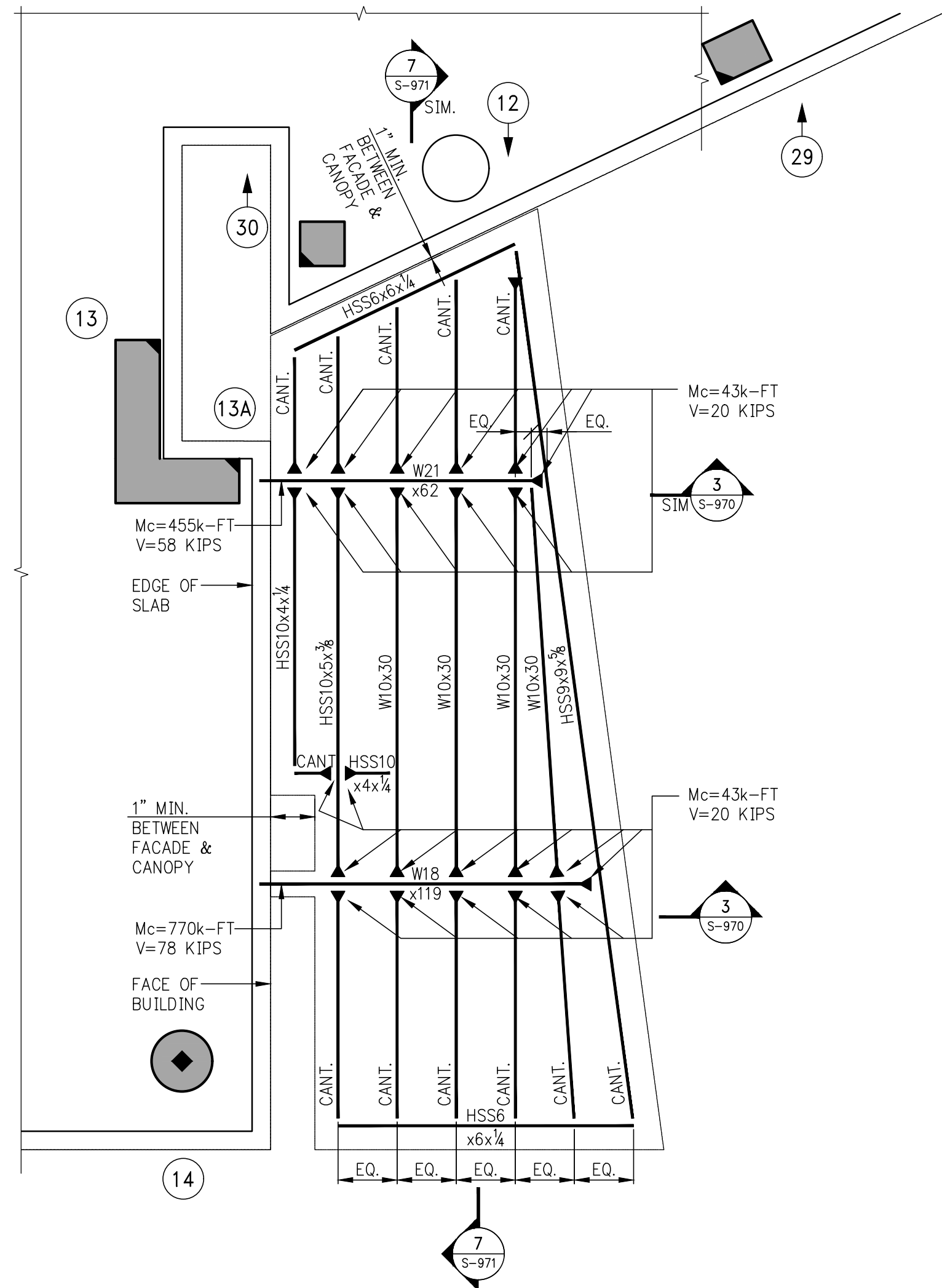
CANOPY FRAMING PLAN

NB#XXXXXXXX

SEAL & SIGNATURE	DATE: 07/01/2015
	PROJECT # 188704
	SCALE: AS NOTED
	S-920.00
	DWG NO.

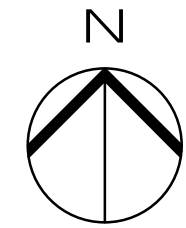


1 CANOPY FRAMING PLAN WEST SIDE
SCALE: 3/8"=1'-0"

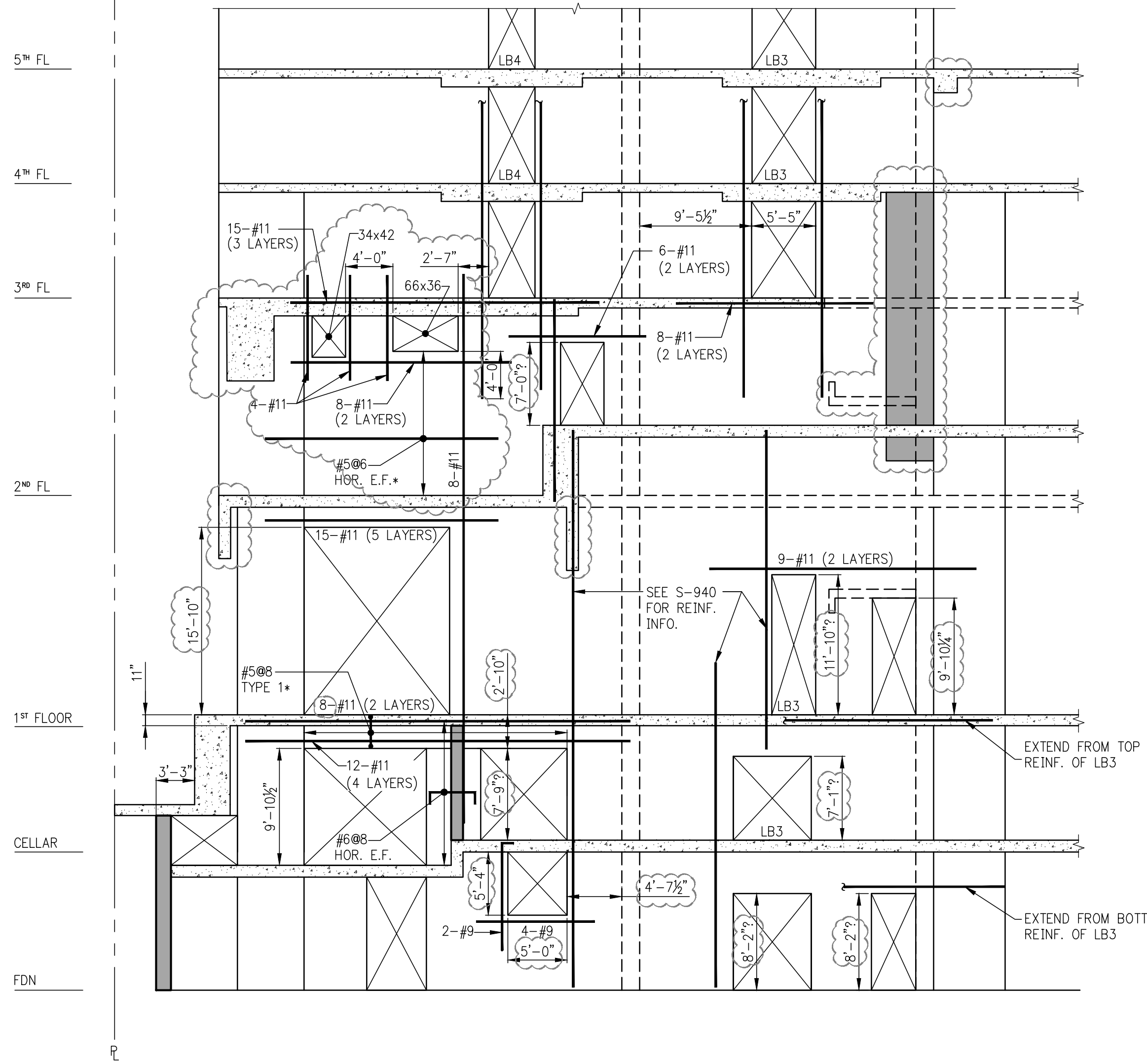


2 CANOPY FRAMING PLAN EAST SIDE
SCALE: 3/8"=1'-0"

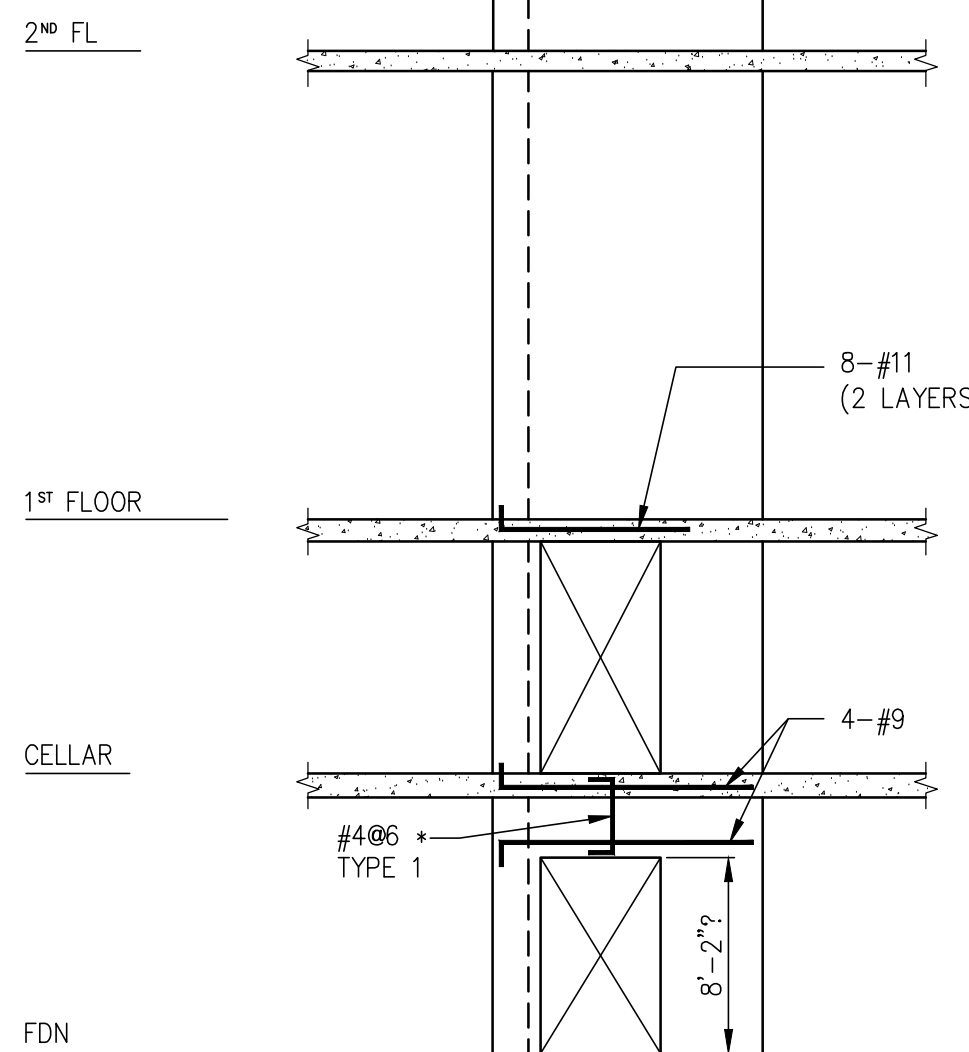
- NOTES:
- CAPACITY OF MOMENT CONNECTION TO BE 50% OF MEMBER CAPACITY OR AS STATED ON PLAN, WHICHEVER IS GREATER
 - ALL STEEL BEAMS AND TUBES TO BE GRADE 50.



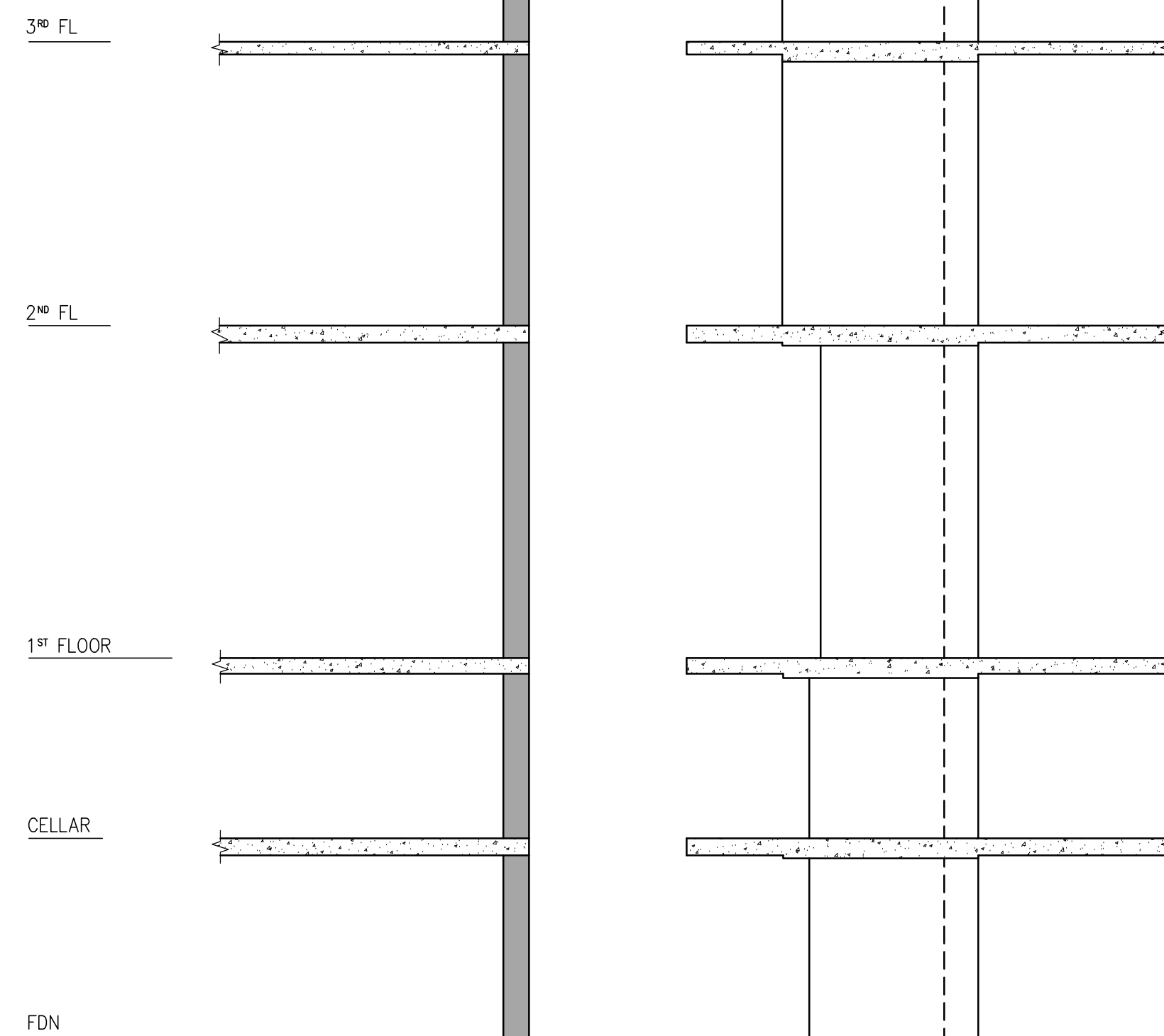
KEY PLAN



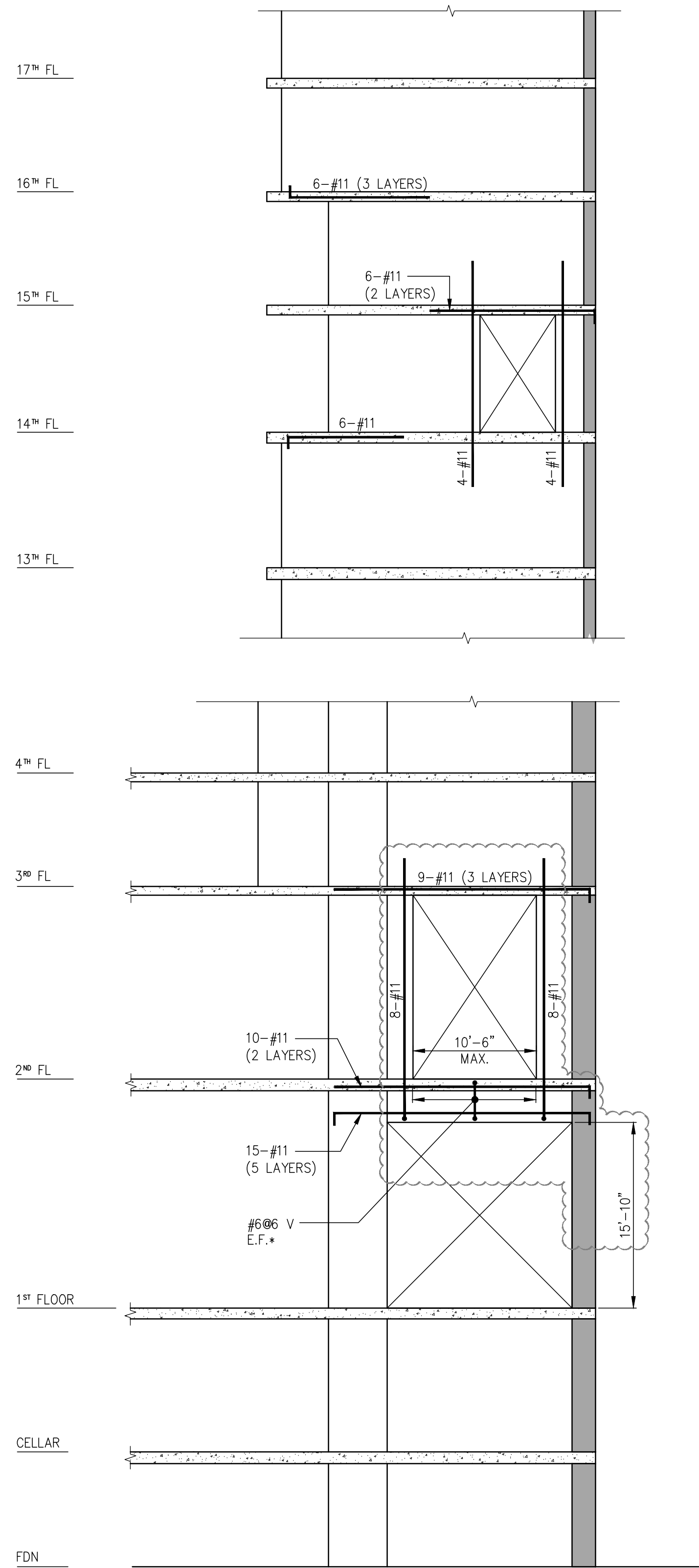
1 ELEVATION
S-930 SCALE: 3/8"=1'-0"



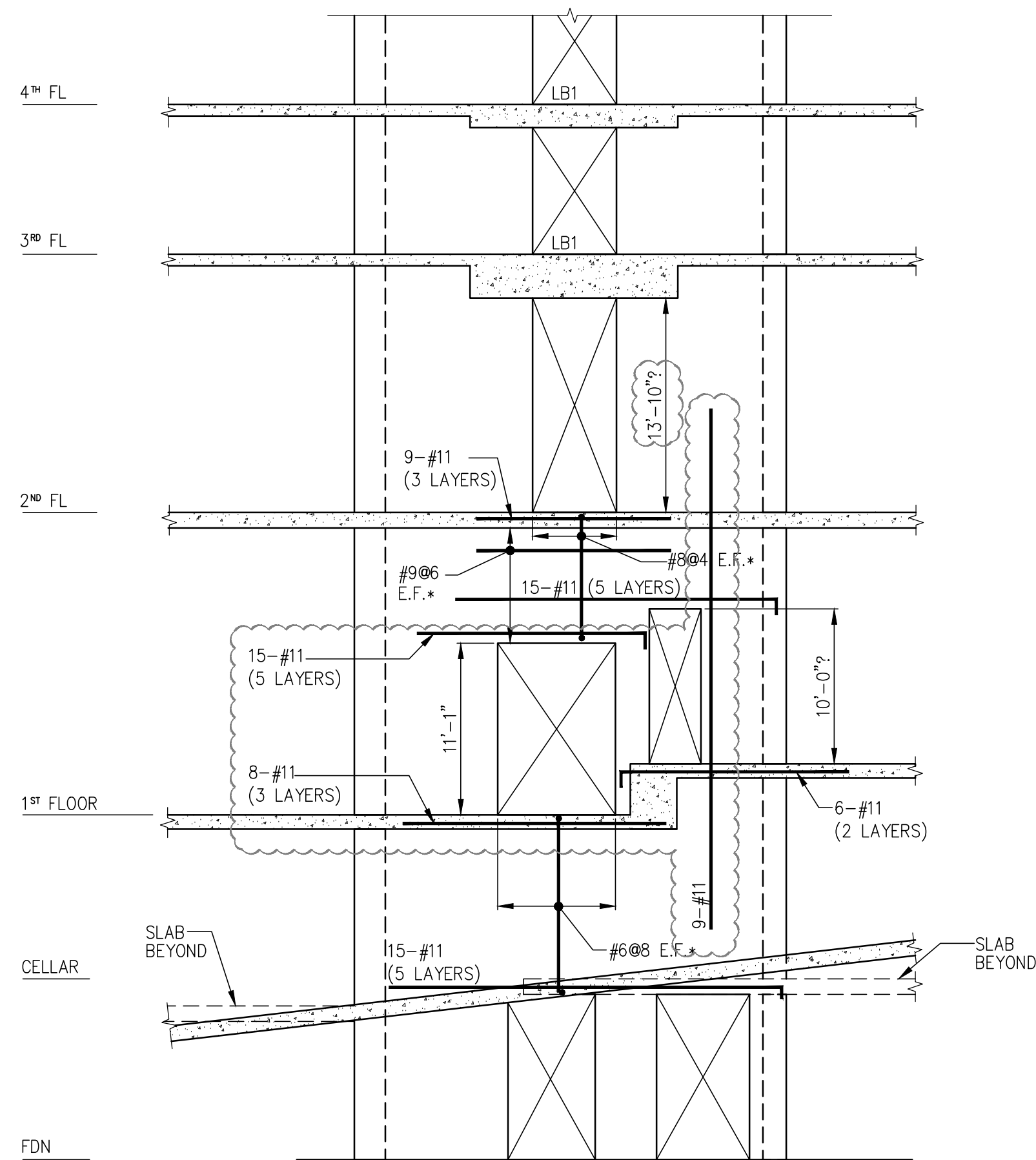
2 ELEVATION
S-930 SCALE: 3/8"=1'-0"



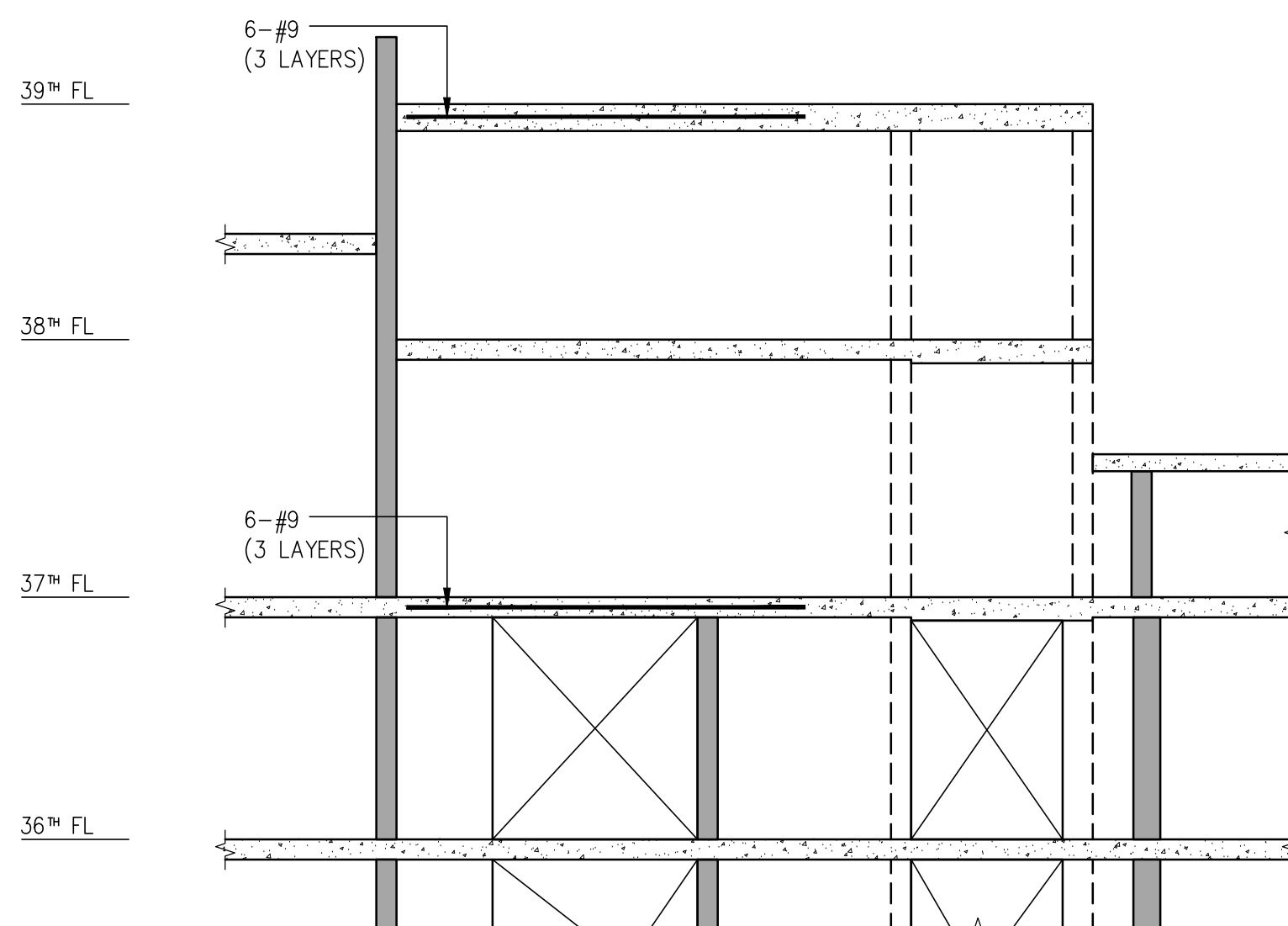
3 ELEVATION
S-930 SCALE: 3/8"=1'-0"



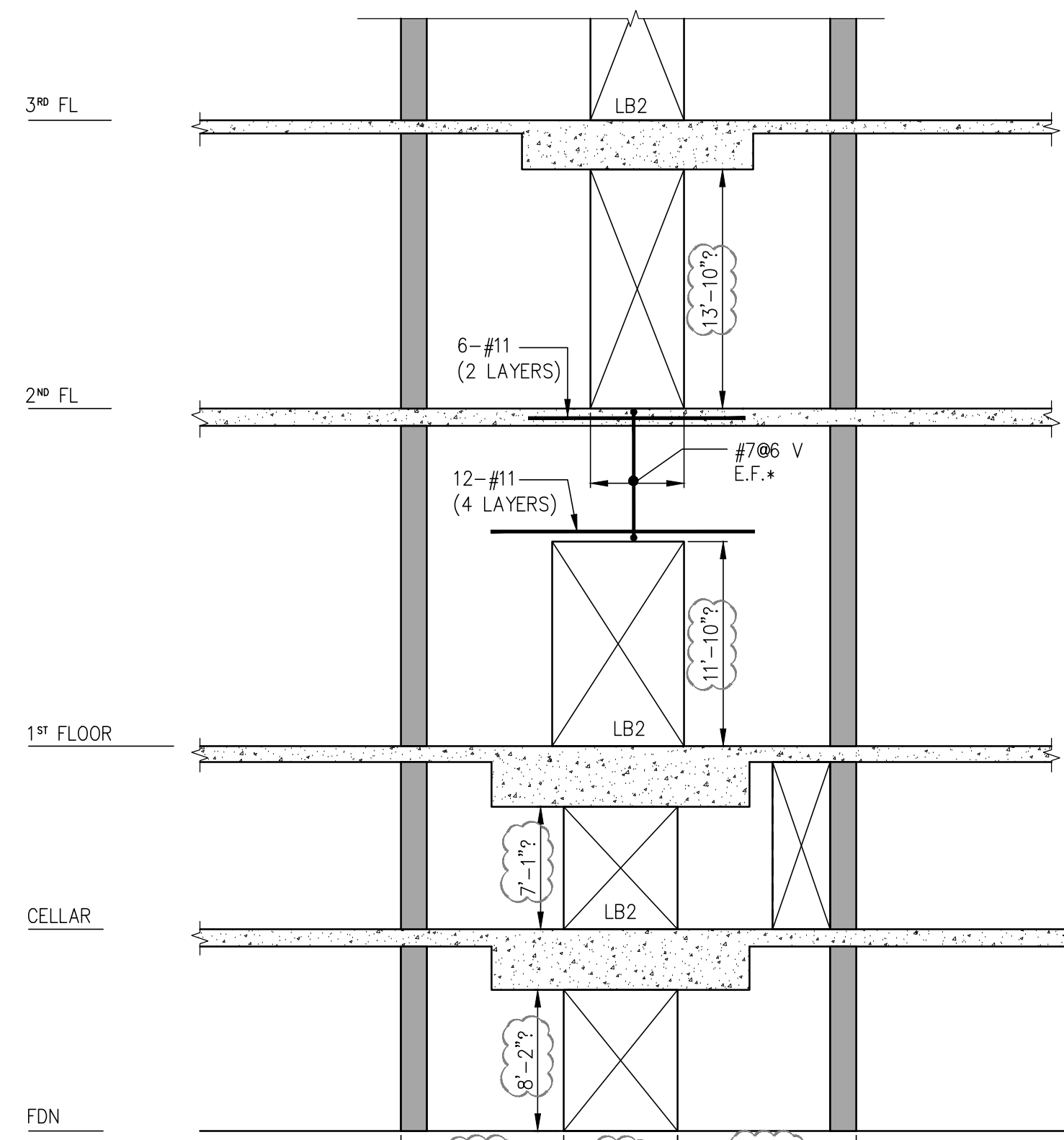
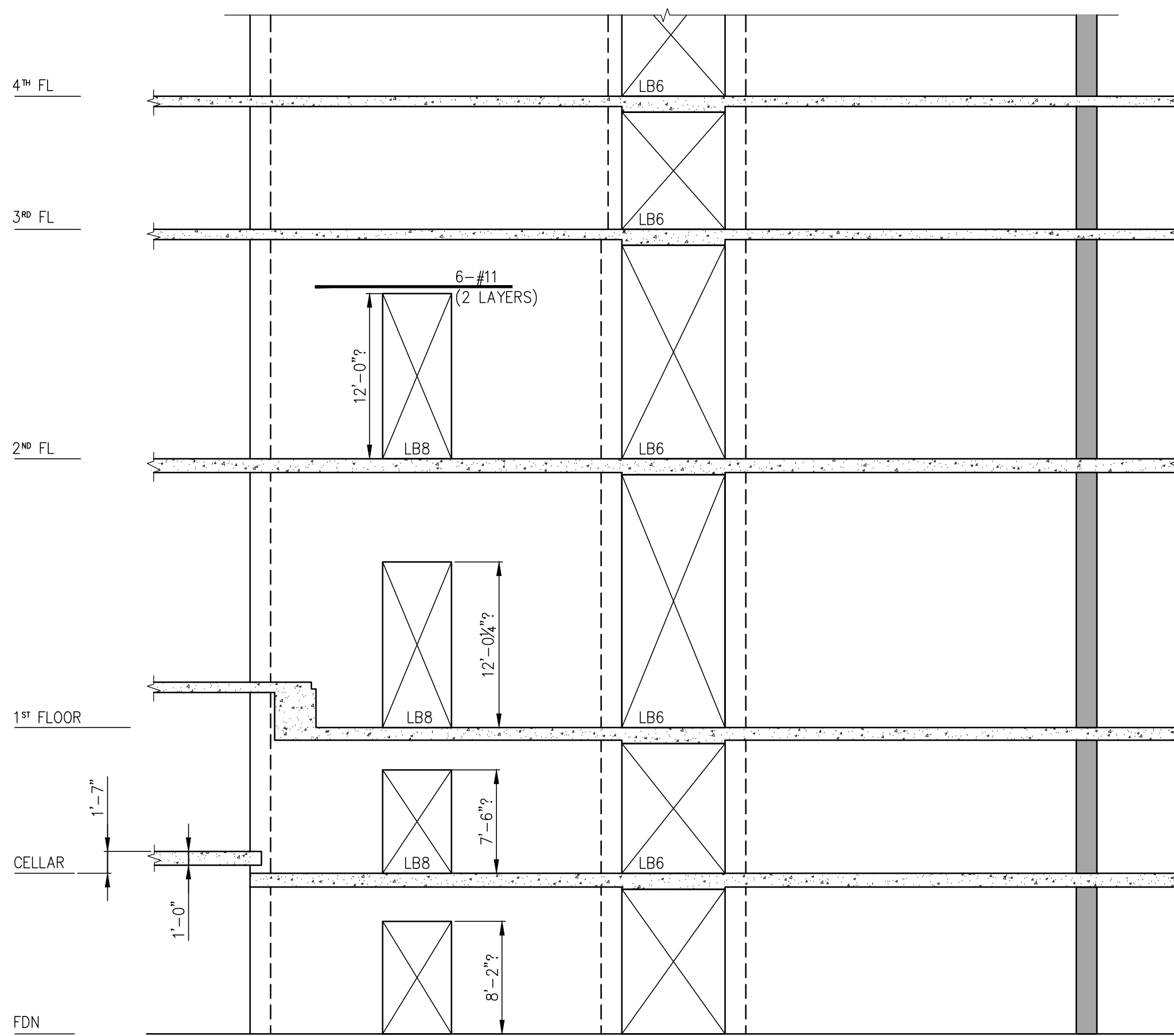
4 ELEVATION
S-930 SCALE: 3/8"=1'-0"



5 ELEVATION
S-930 SCALE: 3/8"=1'-0"

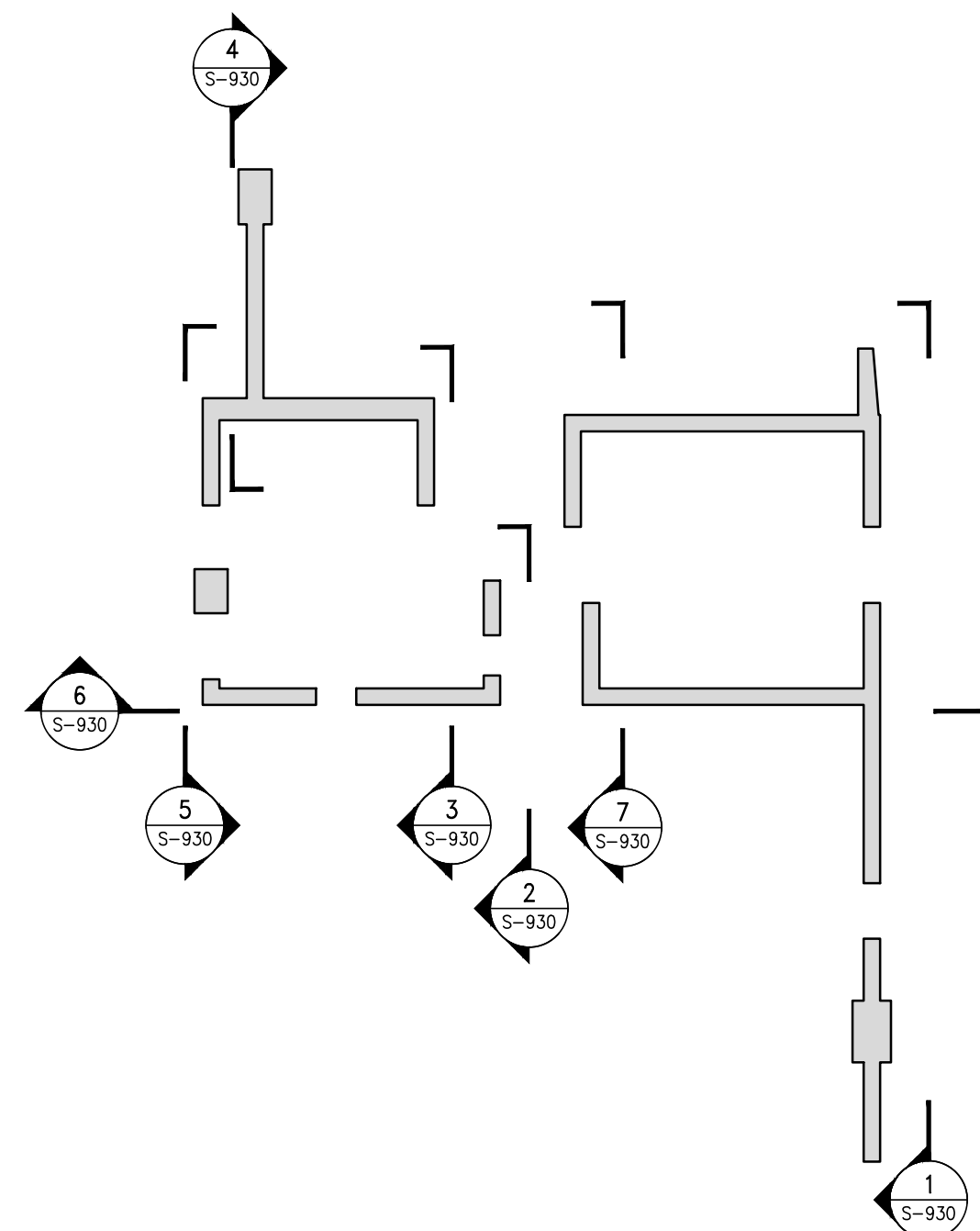


6 ELEVATION
S-930 SCALE: 3/8"=1'-0"



7 ELEVATION
S-930 SCALE: 3/8"=1'-0"

- NOTES:
1. REINFORCEMENT SHOWN ON ELEVATIONS IS ADDITIONAL TO REINFORCEMENT SHOWN ON SHEAR WALL PLAN (S-940 SERIES DWGS.)
 2. (4) INDICATES REINF. SHOWN ON ELEV. TO BE USED IN LIEU OF REINF. SHOWN ON PLANS.
 3. SEE DWG. S-944 FOR LINK BEAM SCHEDULE.
 4. SEE DWG. S-945 FOR TYPICAL SHEAR WALL DETAILS.
 5. FOR STIRRUP TYPES SEE TYPICAL DETAILS.



KEY PLAN
SCALE: N.T.S.

9	06/02/2017	DOB SUBMISSION
8	04/14/2017	ISSUED FOR CONSTRUCTION
7	12/02/2016	80% CD
6	10/05/2016	90% CD UPDATED SET
5	09/14/2016	80% CD
4	04/15/2016	SUBSTRUCTURE AWARD SET
3	07/01/2015	DOB SUBMISSION
2	07/20/2015	100% CD
1	02/02/2015	50% CD

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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MEP/P ENGINEER:
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CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:



DWG TITLE:
SHEARWALL ELEVATIONS 1

NB#XXXXXXXX

SEAL & SIGNATURE

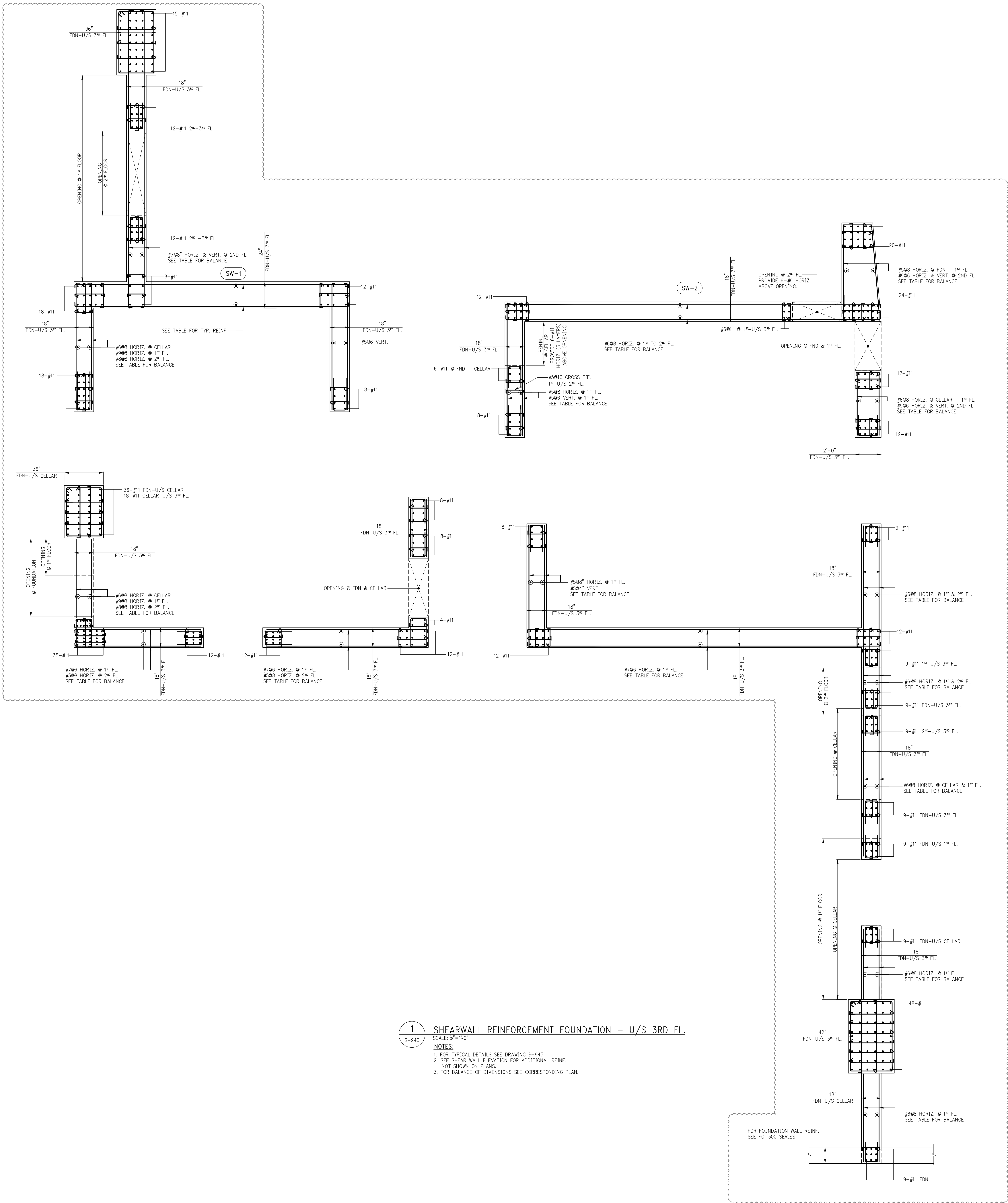
DATE: 07/01/2015

PROJECT #: 180104

SCALE: 3/8" = 1'-0"

S-930.00

DWG NO.



13	06/01/2017	DOB SUBMISSION
12	04/14/2017	ISSUED FOR CONSTRUCTION
11	12/02/2016	SEALED
10	10/05/2016	90% CD UPDATED SET
9	09/14/2016	90% CD
8	04/15/2016	FIRST APPROVAL AMENDMENT
7	04/15/2016	SUPERSTRUCTURE AWARD SET
6	03/14/2016	DOB SUBMISSION
5	09/08/2015	FOUNDATION SET
4	07/31/2015	DOB SUBMISSION
3	01/20/2015	100% CD
2	03/20/2015	90% CD
1	03/06/2015	DOB FLING

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:



DWG TITLE:
**SHEARWALL REINFORCEMENT
FOUNDATION - U/S 3RD FL.**
NB#XXXXXXXX

SEAL & SIGNATURE: DATE: 07/03/2015
PROJECT # 180104
SCALE: 3/8" = 1'-0"
S-940.01
DWG NO.



1. FOR TYPICAL DETAILS SEE DRAWING S-945.
2. SEE SHEAR WALL ELEVATION FOR ADDITIONAL REINF. NOT SHOWN ON PLANS.
3. FOR BALANCE OF DIMENSIONS SEE CORRESPONDING PLAN.

EARWALL REINFORCEMENT PLAN AT 3RD FLOOR

SEAL & SIGNATURE

SCALE: $\frac{3}{8}'' = 1'-0''$

6-941.00

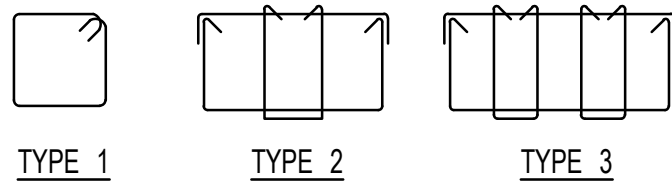
DING NO.



MARK	FLOOR	"BEAM SIZE W x D (IN.)"	"TOP REINF. (CONT.)"	"BOTTOM REINF. (CONT.)"	SIZE	STIRRUP TYPE	SPACING	"SKIN REINF."	REMARKS	EMBEDMENT LENGTH
LB1	35	26x40	6-#11	6-#11	#5	1	3"	6-#4 E.F.	2 Layers	4'-0"
LB1	30 - 34	18x26	4-#10	4-#10	#5	1	4"	3-#4 E.F.	2 Layers	5'-0"
LB1	29	18x26	6-#10	6-#10	#5	1	3"	5-#4 E.F.	2 Layers	5'-0"
LB1	28	18x26	4-#11	4-#11	#5	1	4"	3-#4 E.F.	2 Layers	5'-0"
LB1	27	18x26	4-#11	4-#11	#5	1	4"	3-#4 E.F.	2 Layers	5'-0"
LB1	26	30x32	6-#11	6-#11	#5	2	4"	6-#4 E.F.	2 Layers	5'-0"
LB1	24 - 25	18x18	4-#11	4-#11	#5	1	3"	2-#4 E.F.	2 Layers	5'-0"
LB1	23	30x32	12-#11	12-#11	#5	3	6"	7-#4 E.F.	2 Layers	5'-0"
LB1	22	24x18	5-#11	5-#11	#5	1	3"	3-#4 E.F.	2 Layers	5'-0"
LB1	21	24x18	6-#11	6-#11	#5	1	3"	3-#4 E.F.	2 Layers	5'-0"
LB1	19 - 20	30x18	6-#10	6-#10	#5	2	3"	3-#4 E.F.	2 Layers	5'-0"
LB1	18	30x18	6-#10	6-#10	#5	2	3"	3-#4 E.F.	2 Layers	5'-0"
LB1	17	30x18	6-#10	6-#10	#5	2	3"	3-#4 E.F.	2 Layers	5'-0"
LB1	16	24x18	6-#11	6-#11	#5	2	3"	3-#4 E.F.	2 Layers	5'-0"
LB1	15	30x32	14-#11	14-#11	#5	2	3"	9-#4 E.F.	2 Layers	5'-0"
LB1	14	30x40	14-#11	14-#11	#5	2	3"	9-#4 E.F.	2 Layers	5'-0"
LB1	11 - 13	24x18	6-#10	6-#10	#5	2	3"	3-#4 E.F.	2 Layers	5'-0"
LB1	9 - 10	30x18	6-#11	6-#11	#5	2	3"	3-#4 E.F.	2 Layers	5'-0"
LB1	7 - 8	30x18	10-#10	10-#10	#5	2	3"	3-#4 E.F.	2 Layers	5'-0"
LB1	5 - 6	24x18	6-#10	6-#10	#5	2	3"	3-#4 E.F.	2 Layers	5'-0"
LB1	4	24x18	4-#11	4-#11	#5	2	3"	3-#4 E.F.	2 Layers	5'-0"
LB1	3	30x34	11-#11	11-#11	#5	2	3"	6-#4 E.F.	2 Layers	5'-0"

MARK	FLOOR	"BEAM SIZE W x D (IN.)"	"TOP REINF. (CONT.)"	"BOTTOM REINF. (CONT.)"	SIZE	STIRRUP TYPE	SPACING	"SKIN REINF."	REMARKS	EMBEDMENT LENGTH
LB2	37	12x40	2-#11	2-#11	#4	1	6"	6-#4 E.F.		
LB2	36	12x26	2-#11	2-#11	#4	1	5"			
LB2	35	18x40	4-#11	4-#11	#5	1	3"	6-#4 E.F.	2 Layers	
LB2	34	18x26	4-#10	4-#10	#5	1	5"	3-#4 E.F.		
LB2	31 - 33	18x26	2-#11	2-#11	#5	1	3"	3-#4 E.F.		4'-0"
LB2	30	18x26	4-#11	4-#11	#5	1	4"	3-#4 E.F.		4'-0"
LB2	29	18x34	6-#10	6-#10	#5	1	3"	5-#4 E.F.	2 Layers	4'-0"
LB2	28	18x26	4-#11	4-#11	#5	1	5"	3-#4 E.F.		4'-0"
LB2	27	18x26	4-#11	4-#11	#5	1	4"	3-#4 E.F.		4'-0"
LB2	26	24x32	6-#11	6-#11	#5	2	5"	6-#4 E.F.	2 Layers	4'-0"
LB2	24 - 25	18x18	4-#11	4-#11	#5	1	3"	2-#4 E.F.		4'-0"
LB2	23	30x32	10-#11	10-#11	#5	2	4"	6-#4 E.F.	2 Layers	4'-0"
LB2	21 - 22	18x18	4-#11	4-#11	#5	1	3"	2-#4 E.F.		4'-0"
LB2	20	24x18	6-#11	6-#11	#5	1	3"	2-#4 E.F.		4'-0"
LB2	17 - 19	24x18	6-#11	6-#11	#5	1	3"	3-#4 E.F.		4'-0"
LB2	16	24x18	5-#11	5-#11	#5	1	3"	3-#4 E.F.		4'-0"
LB2	15	30x32	12-#11	12-#11	#5	3	5"	7-#4 E.F.	2 Layers	6'-0"
LB2	14	30x40	14-#11	14-#11	#5	3	5"	9-#4 E.F.	2 Layers	6'-0"
LB2	7 - 13	24x18	6-#10	6-#10	#5	1	3"	2-#4 E.F.		4'-0"
LB2	5 - 6	18x18	4-#11	4-#11	#5	1	3"			
LB2	4	18x18	4-#11	4-#11	#4	1	3"			2 Layers
LB2	3	18x34	6-#11	6-#11	#5	1	4"			
LB2	1	18x42	4-#11	4-#11	#4	1	12"	6-#4 E.F.		
LB2	CELLAR	18x32	3-#11	3-#11	#4	1	12"	6-#4 E.F.		

MARK	FLOOR	"BEAM SIZE W x D (IN.)"	"TOP REINF. (CONT.)"	"BOTTOM REINF. (CONT.)"	SIZE	STIRRUP TYPE	SPACING	"SKIN REINF."	REMARKS	EMBEDMENT LENGTH
LB3	29	48x34	16-#11	16-#11	#5	3	4"	8-#5 E.F.	2 Layers	6'-0"
LB3	28	30x26	10-#10	10-#10	#5	2	4"	5-#4 E.F.	2 Layers	5'-0"
LB3	27	30x26	6-#11	6-#11	#5	2	4"	5-#4 E.F.	2 Layers	5'-0"
LB3	26	40x32	12-#11	12-#11	#5	2	3"	6-#4 E.F.	2 Layers	6'-0"
LB3	24 - 25	18x18	6-#11	6-#11	#5	1	3"	2-#4 E.F.	2 Layers	6'-0"
LB3	23	30x32	12-#11	12-#11	#5	2	3"	8-#4 E.F.	2 Layers	6'-0"
LB3	21 - 22	18x18	6-#10	6-#10	#5	1	3"	2-#4 E.F.	2 Layers	4'-0"
LB3	20	18x18	6-#11	6-#11	#5	1	3"	2-#4 E.F.	2 Layers	4'-0"
LB3	18 - 19	18x18	6-#11	6-#11	#5	1	3"	3-#4 E.F.	2 Layers	4'-0"
LB3	17	18x18	6-#10	6-#10	#5	1	3"	2-#4 E.F.	2 Layers	4'-0"
LB3	16	18x18	4-#11	4-#11	#5	1	3"	2-#4 E.F.	2 Layers	4'-0"
LB3	15	30x32	10-#11	10-#11	#5	2	3"	6-#4 E.F.	2 Layers	6'-0"
LB3	14	30x40	12-#11	12-#11	#5	3	3"	8-#4 E.F.	2 Layers	6'-0"
LB3	13	18x18	4-#11	4-#11	#5	1	3"	2-#4 E.F.	2 Layers	4'-0"
LB3	12	18x18	6-#10	6-#10	#5	1	3"	2-#4 E.F.	2 Layers	4'-0"
LB3	11	18x18	4-#11	4-#11	#5	1	3"	2-#4 E.F.	2 Layers	4'-0"
LB3	8 - 10	24x18	6-#11	6-#11	#5	2	3"	3-#4 E.F.	2 Layers	4'-0"
LB3	7	18x18	6-#11	6-#11	#5	2	3"	3-#4 E.F.	2 Layers	4'-0"
LB3	6	18x18	6-#11	6-#11	#5	1	3"	2-#4 E.F.	2 Layers	4'-0"
LB3	5	18x18	4-#11	4-#11	#4	1	3"			4'-0"
LB3	4	18x18	4-#11	4-#11	#4	1	5"			4'-0"
LB3	1	18x42	5-#11	5-#11	#5	1	4"	6-#4 E.F.	2 Layers	4'-0"
LB3	CELLAR	18x42	4-#11	4-#11	#4	1	12"	6-#4 E.F.	2 Layers	4'-0"



STIRRUP TYPES

NOTES:

- FOR TABLES AND DETAILS SEE DWG. S-945
- FOR LINK BEAM LOCATIONS SEE CORRESPONDING FLOOR PLANS
- *** : DENOTES LB CONCRETE STRENGTH MATCHES SHEARWALL CONCRETE STRENGTH

MARK	FLOOR	"BEAM SIZE W x D (IN.)"	"TOP REINF. (CONT.)"	"BOTTOM REINF. (CONT.)"	SIZE	STIRRUP TYPE	SPACING	"SKIN REINF."	REMARKS	EMBEDMENT LENGTH
LB4	24	12x18	4-#11	4-#11	#5	1	3"		2 Layers	4'-0"
LB4	23	48x32	14-#11	14-#11	#5	3	3"	12-#4 E.F.	2 Layers	6'-0"
LB4	22	24x18	6-#11	6-#11	#5	2	3"	3-#4 E.F.		5'-0"
LB4	21	24x18	5-#11	5-#11	#5	2	3"	3-#4 E.F.		5'-0"
LB4	20	24x18	6-#11	6-#11	#5	2	3"	3-#4 E.F.		5'-0"
LB4	19	24x18	5-#11	5-#11	#5	2	3"	3-#4 E.F.		5'-0"
LB4	18	24x18	5-#11	5-#11	#5	2	3"	3-#4 E.F.		5'-0"
LB4	17	18x18	6-#11	6-#11	#5	1	3"	2-#4 E.F.	2 Layers	5'-0"
LB4	15	30x32	7-#11	7-#11	#5	2	3"	6-#4 E.F.		5'-0"
LB4	14	30x40	8-#11	8-#11	#5	2	3"	10-#4 E.F.		5'-0"
LB4	13	18x18	4-#11	4-#11	#5	2	3"	2-#4 E.F.		5'-0"
LB4	11 - 12	18x18	4-#11	4-#11	#5	1	3"	2-#4 E.F.	2 Layers	5'-0"
LB4	10	24x18	7-#11	7-#11	#5	2	3"	2-#4 E.F.	2 Layers	5'-0"
LB4	8 - 9	24x18	7-#11	7-#11	#5	2	3"	3-#4 E.F.	2 Layers	5'-0"
LB4	7	24x18	7-#11	7-#11	#5	2	3"	3-#4 E.F.	2 Layers	5'-0"
LB4	6	24x18	6-#11	6-#11	#5	2	3"	3-#4 E.F.		5'-0"
LB4	5	18x18	5-#11	5-#11	#5	1	3"		2 Layers	5'-0"
LB4	4	18x18	4-#11	4-#11	#5	1	3"			4'-0"

MARK	FLOOR	"BEAM SIZE W x D (IN.)"	"TOP REINF. (CONT.)"	"BOTTOM REINF. (CONT.)"	SIZE	STIRRUP TYPE	SPACING	"SKIN REINF."	REMARKS	EMBEDMENT LENGTH
LB5	36	12x26	2-#10	2-#10	#4	1	5"	4-#4 E.F.		
LB5	35	12x40	2-#11	2-#11	#4	1	4"	6-#4 E.F.		
LB5	31 - 34	12x26	2-#9	2-#9	#4	1	4"	4-#4 E.F.		
LB5	30	12x26	2-#9	2-#9	#4	1	4"	5-#4 E.F.		
LB5	29	12x34	2-#10	2-#10	#5	1	5"	7-#4 E.F.		
LB5	27 - 28	12x26	2-#9	2-#9	#4	1	4"	5-#4 E.F.		

MARK	FLOOR	"BEAM SIZE W x D (IN.)"	"TOP REINF. (CONT.) PER FOOT"	"BOTTOM REINF. (CONT.) PER FOOT"	SIZE	STIRRUP TYPE	SPACING	"SKIN REINF."	REMARKS	EMBEDMENT LENGTH
LB6	19-27	-	6-#5	6-#5	#4	3	5"			N/A
LB6	10-16	-	5-#5	5-#5	#4	3	5"			N/A
LB6	5-9	-	4-#5	4-#5	#4	3	5"			N/A
LB6	CELLAR-4	-	2-#5	2-#5	#4	3	5"			N/A

MARK	FLOOR	"BEAM SIZE W x D (IN.)"	"TOP REINF. (CONT.) PER FOOT"	"BOTTOM REINF. (CONT.) PER FOOT"	SIZE	STIRRUP TYPE	SPACING	"SKIN REINF."	REMARKS	EMBEDMENT LENGTH
LB7	37	-	5-#5	5-#5	#4	3	5"			N/A
LB7	33-36	-	5-#5	5-#5	#4	3	5"			N/A
LB7	31-32	-	6-#5	6-#5	#4	3	5"			N/A
LB7	25-30	-	7-#5	7-#5	#4	3	5"			N/A
LB7	12-24	-	6-#5	6-#5	#4	3	5"			N/A
LB7	5-11	-	5-#5	5-#5	#4	3	5"			N/A
LB7	2-5	-	4-#5	4-#5	#4	3	5"			N/A
LB7	CELLAR-1	-	3-#5	3-#5	#4	3	5"			N/A

MARK	FLOOR	"BEAM SIZE W x D (IN.)"	"TOP REINF. (CONT.) PER FOOT"	"BOTTOM REINF. (CONT.) PER FOOT"	SIZE	STIRRUP TYPE	SPACING	"SKIN REINF."	REMARKS	EMBEDMENT LENGTH
LB8	2	18x50	5-#11	5-#11	#4	1	3"	24-#4 E.F.	2 Layers	N/A
LB8	1	18x37	4-#11	4-#11	#4	1	6"	6-#4 E.F.		N/A
LB8	CELLAR	18x42	4-#5	4-#5	#4	1	10"	6-#4 E.F.		N/A

OWNER: GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT: RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT: **GHWA**
Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1754

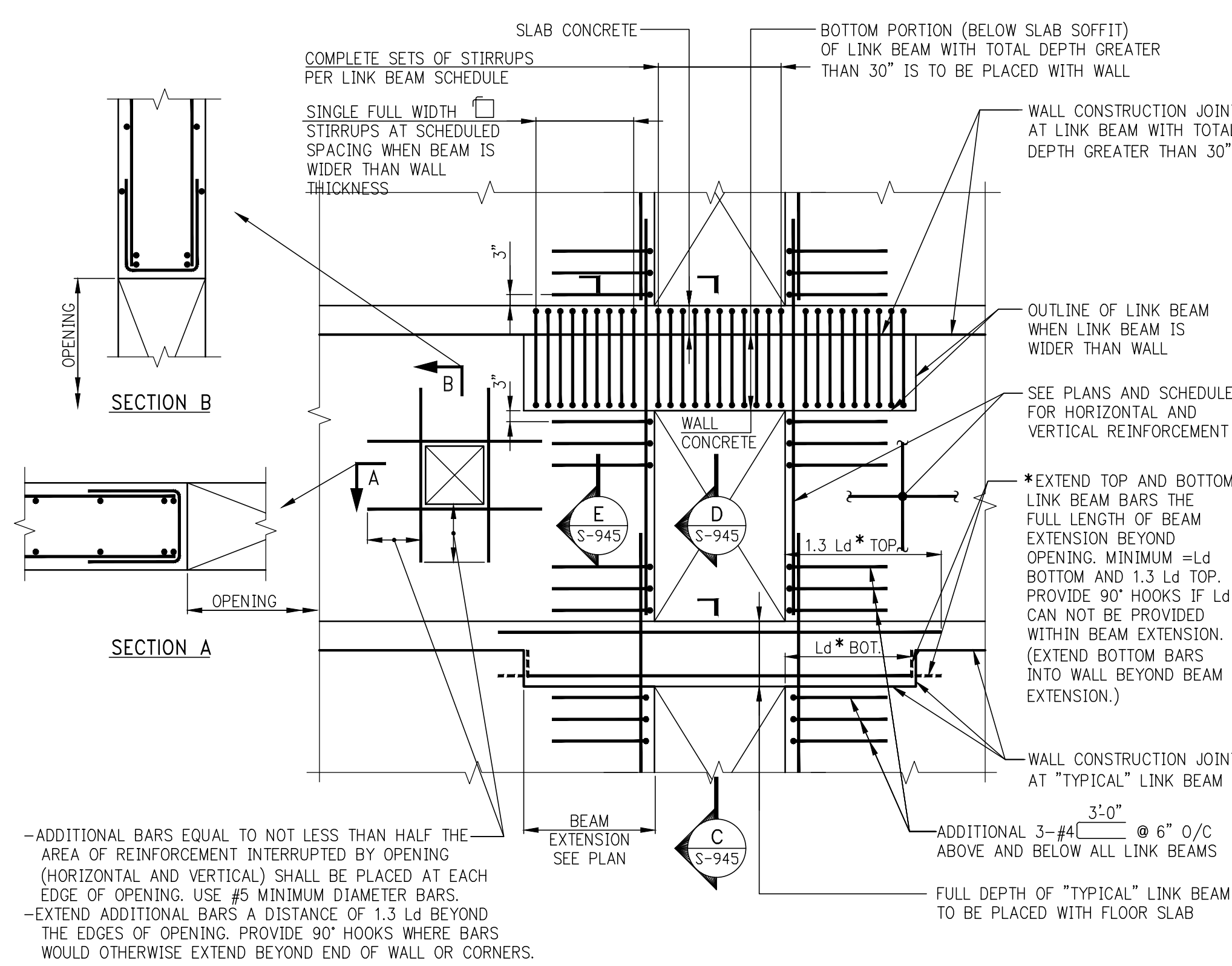
DESIGN ARCHITECT: **RICHARD MEIER & PARTNERS**
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6560

STRUCTURAL ENGINEER: **WSP BUILDING STRUCTURES**
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

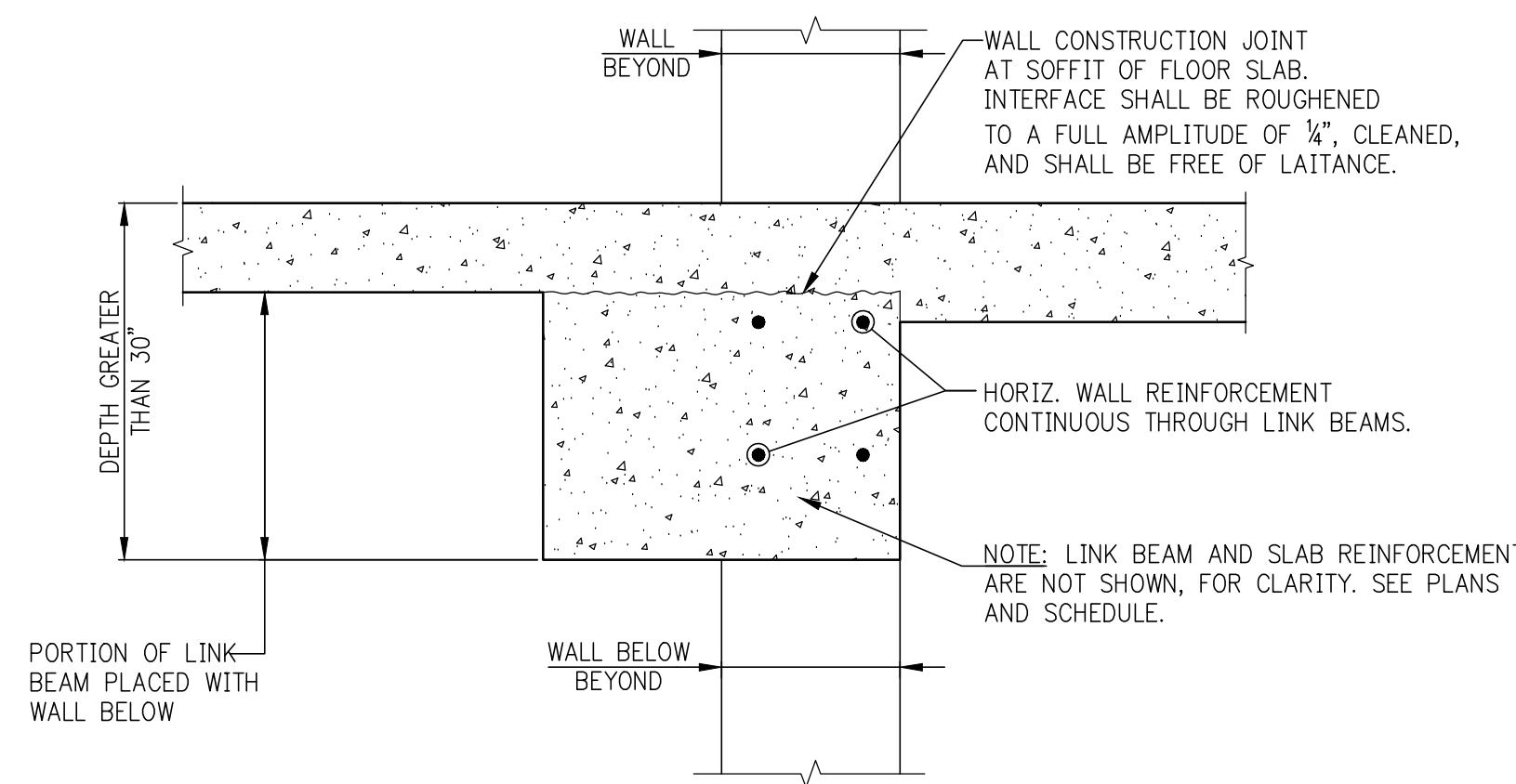
MEP/FP ENGINEER: **WSP BUILDING SYSTEMS**
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DWG STAMPS & SIGNATURES:

DWG TITLE: **LINK BEAM SCHEDULES**
NB#XXXXXXXXX
SEAL & SIGNATURE: DATE: 07/31/2015
PROJECT #: 188104
SCALE: AS NOTED
S-944.00
DWG NO.

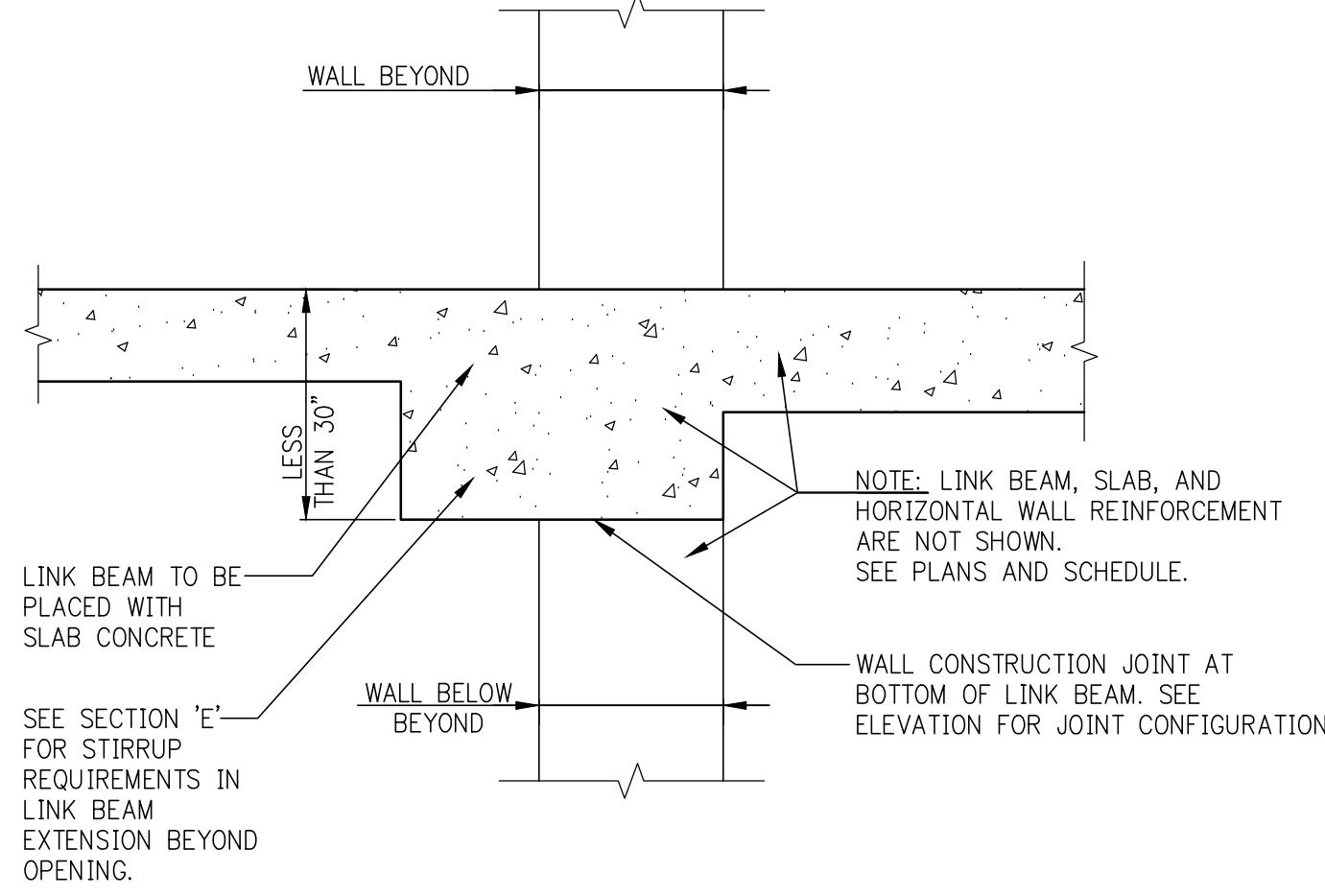


TYPICAL REINFORCEMENT AT LINK BEAMS AND AROUND SHEARWALL OPENINGS

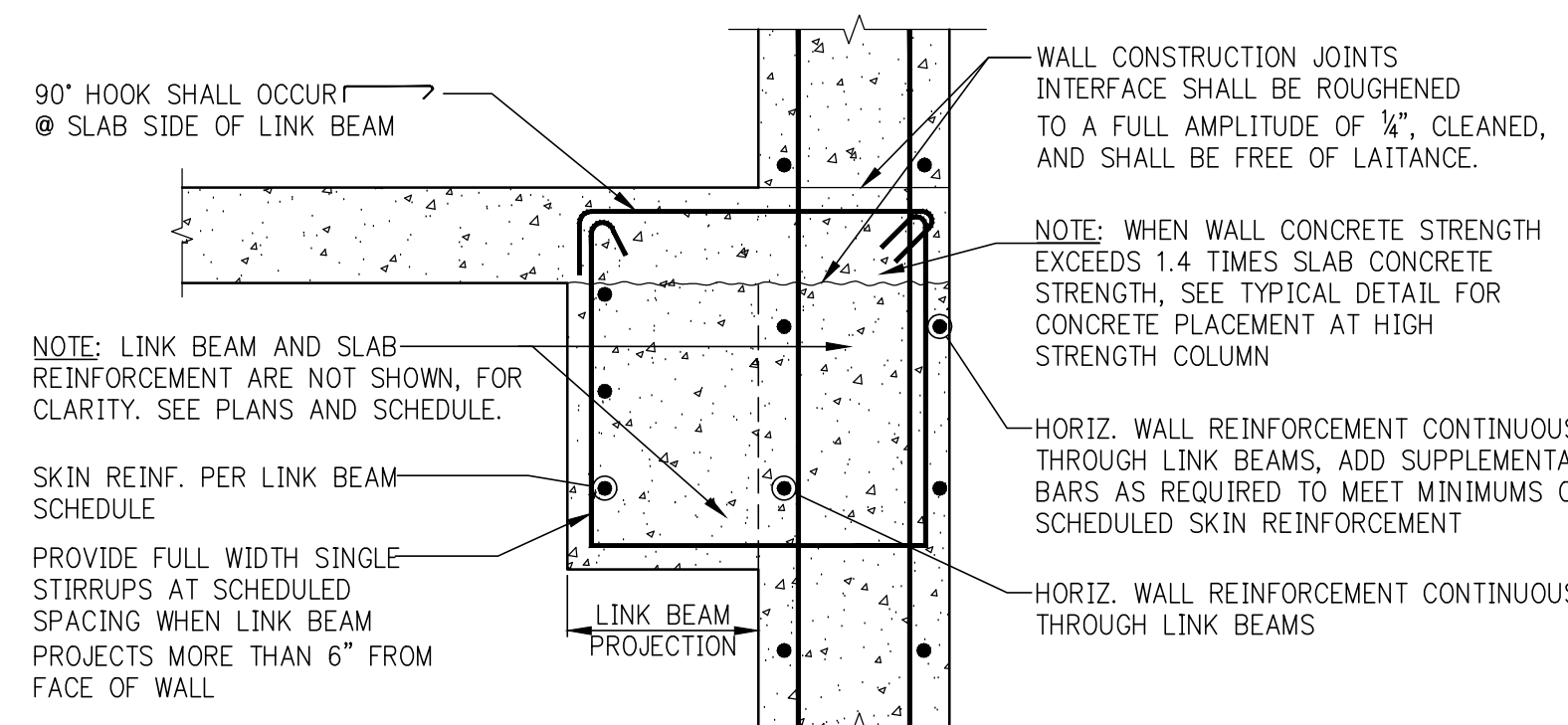


D SECTION THROUGH LINK BEAM WITH DEPTH >30" PLACED PARTIALLY WITH WALL

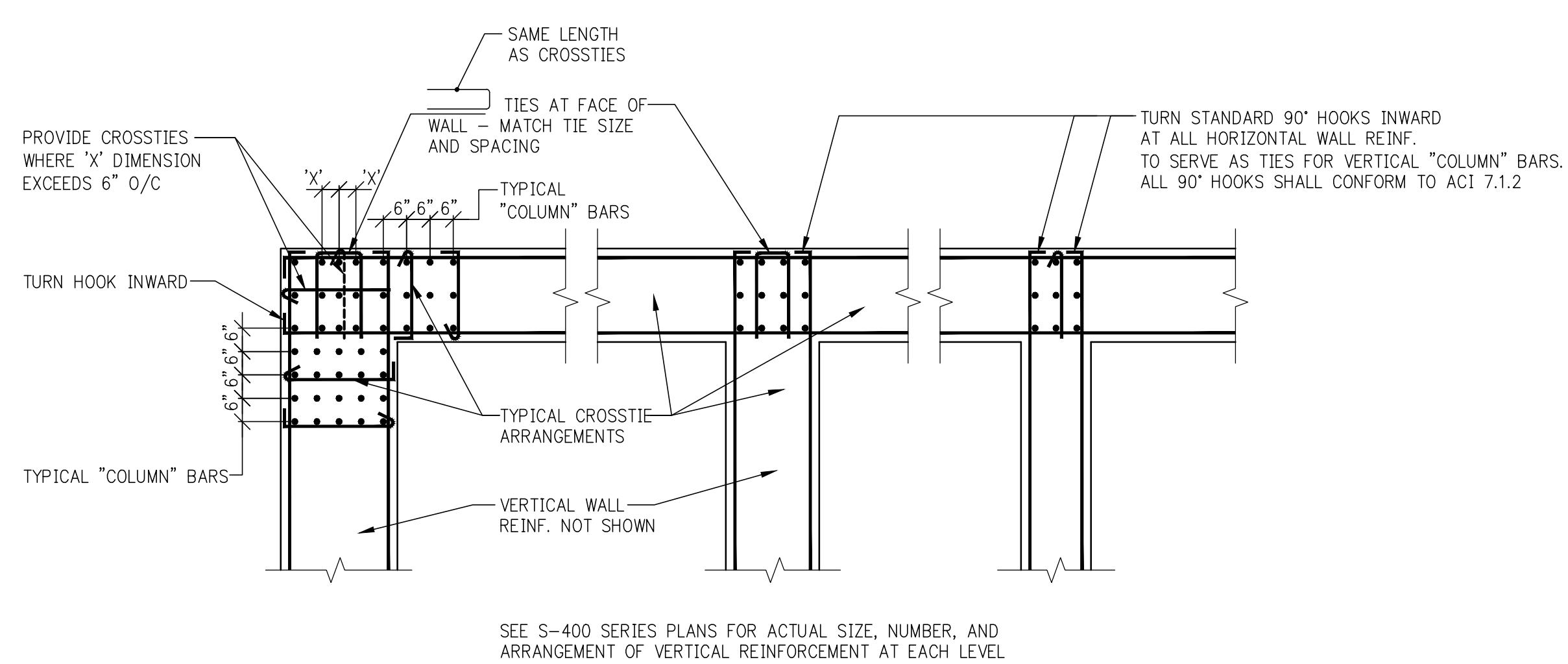
- SHEARWALL NOTES:**
1. ALL SHEARWALL REINFORCEMENT (HORIZONTAL AND VERTICAL) IS TO BE TENSION LAP SPLICED. SEE LAP SPLICE IN S-945 SERIES DRAWINGS.
 2. ALL NON-TYPICAL VERTICAL BARS UNSUPPORTED BY A LATERAL TIE SHALL BE SPACED NO MORE THAN 6" CLEAR ON BOTH SIDES FROM SUCH LATERALLY SUPPORTED BARS.
 3. ALTERNATE 90° AND 135° ENDS ON CONSECUTIVE SINGLE LEG CROSSTIES THROUGHOUT HEIGHT OF WALL.
 4. FOR MINIMUM TYPICAL REINFORCEMENT SEE SCHEDULE ON THIS DRAWING.
 5. WHERE HEAVIER REINFORCEMENT IS SHOWN ON S-945 SERIES ELEVATIONS OR DETAILS, THE HEAVIER REINFORCEMENT SHALL BE USED IN LIEU OF REINFORCEMENT SHOWN ON SHEARWALL PLANS, UNLESS NOTED AS "ADDITIONAL". (AN ASTERISK (*) MAY BE SHOWN TO DENOTE SUCH SUBSTITUTIONS).
 6. NO OPENING OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS MAY BE PLACED WITHOUT APPROVAL OF THE ENGINEER OF RECORD.
 7. CONTRACTOR SHALL SUBMIT CONSOLIDATED SHOP DRAWINGS FOR ALL OPENINGS PROPOSED (SUCH AS STRUCTURAL, ARCHITECTURAL, MEP) TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL.
 8. NO VERTICAL CONSTRUCTION JOINTS ARE PERMITTED IN SHEARWALLS WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER OF RECORD. KEYS AND DOWELS MUST BE AS DEFINED BY THE E.O.R.
 9. SEE PLANS AND ELEVATIONS FOR SHEARWALL LOCATIONS, DIMENSIONS, REINFORCEMENT, OPENINGS, LINK BEAM LOCATIONS, ETC.
 10. SEE COLUMN SCHEDULES ON S-945 SERIES DRAWINGS FOR CONCRETE STRENGTH REQUIRED AT EACH LEVEL.



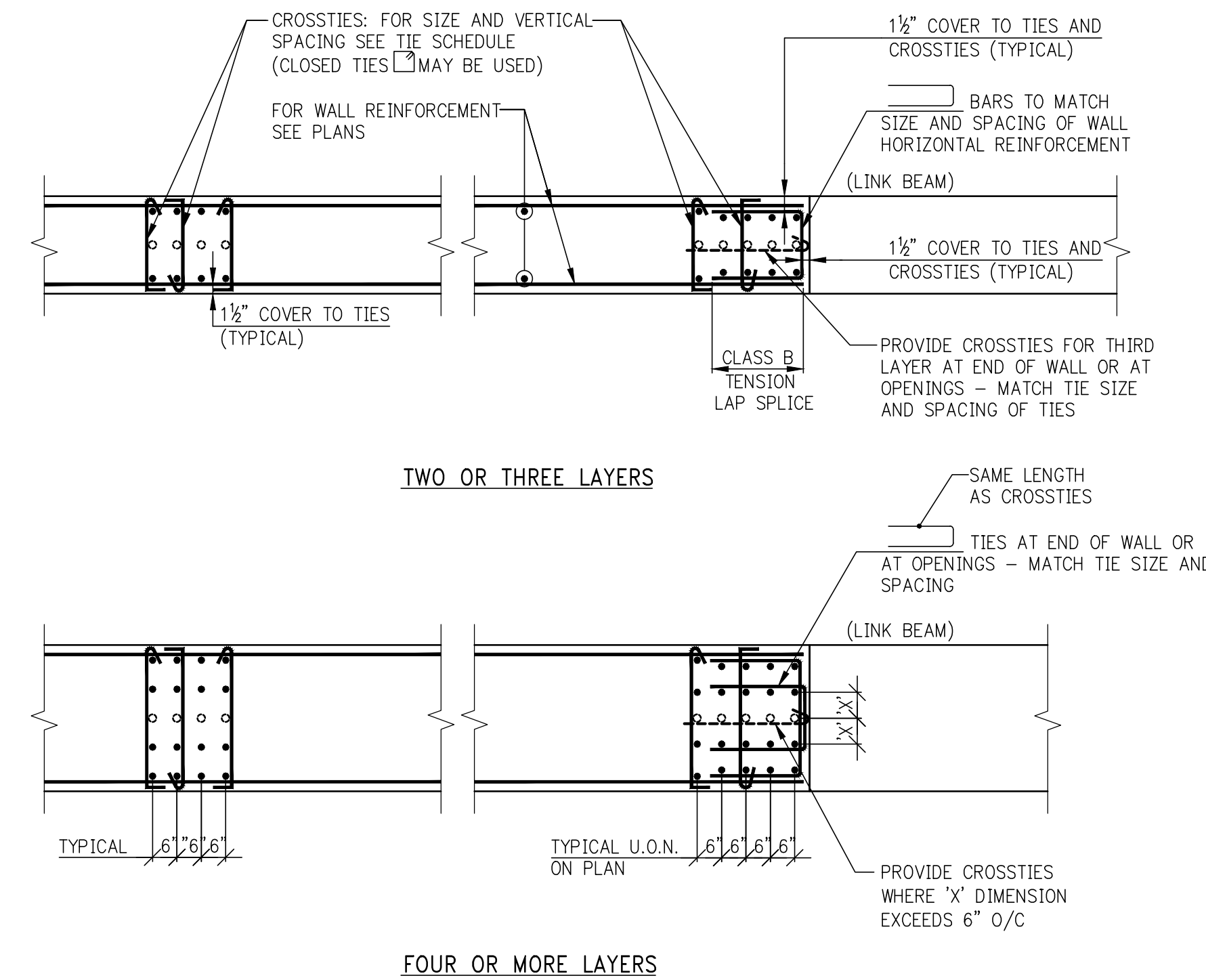
C SECTION THROUGH LINK BEAM PLACED WITH SLAB



E SECTION THROUGH WALL AT LINK BEAM EXTENSION BEYOND OPENING



CORNER 'T' INTERSECTIONS



TIE ARRANGEMENTS AT "COLUMN" VERTICAL REINFORCEMENT

*TYPICAL MINIMUM SHEARWALL REINFORCEMENT	
WALL THICKNESS (INCHES)	HORIZONTAL AND VERTICAL EACH FACE
UP TO 12	#4@12
12+ TO 16	#4@10
16+ TO 20	#5@12
20+ TO 24	#5@10
24+ TO 28	#5@12
28+ TO 34	#6@10
34+ TO 40	#7@12
40+ TO 48	#7@10

*THE REINFORCEMENT SHOWN IN THIS TABLE IS THE MINIMUM AMOUNT THAT MUST BE PROVIDED. HEAVIER REINFORCEMENT AND "ADDITIONAL" REINFORCEMENT MAY BE CALLED FOR ON PLANS, ELEVATIONS, OR IN SECTIONS AND DETAILS.

SHEARWALL TIE SCHEDULE	
NON-TYPICAL VERTICAL BAR SIZE	#4 TIES VERTICAL SPACING(S), BUT NOT TO EXCEED WALL THICKNESS (INCHES)
#6	12
#7	14
#8	16
#9	18
#10	20
#11	22

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.

14	06/01/2017	DOB SUBMISSION
13	04/14/2017	ISSUED FOR CONSTRUCTION
12	12/02/2016	80% CD
11	10/05/2016	80% CD UPDATED SET
10	09/14/2016	80% CD
9	04/15/2016	POST-APPROVAL AMENDMENT
8	04/15/2016	SUPERSTRUCTURE AWARD SET
7	03/24/2015	DOB SUBMISSION
6	03/05/2015	FOUNDATION SET
5	07/01/2015	DOB SUBMISSION
4	07/20/2015	100% DD
3	03/20/2015	50% DD
2	03/05/2015	30% DD
1	12/17/2015	100% DD

Number	Date	Revision
OWNER:		
GID DEVELOPMENT		
125 HIGH STREET		
HIGH STREET TOWER, 27TH FLOOR		
BOSTON, MA 02110		

PROJECT:		
RIVERSIDE CENTER BUILDING 3		
NEW YORK, NY		

EXECUTIVE ARCHITECT:		
GHW		
Goldstein, Hill & West Architects, LLP		
11 Broadway, Suite 1700		
New York, NY 10004		
Tel: (212) 213-8007 Fax: (212) 686-1754		

DESIGN ARCHITECT:		
RICHARD MEIER & PARTNERS		
ARCHITECTS, LLP		
475 Tenth Avenue		
New York, NY 10018		
Tel: (212) 967-6560		

STRUCTURAL ENGINEER:		
WSP BUILDING STRUCTURES		
CONSULTING ENGINEERS		
228 East 45th St, 3rd Floor		
New York, NY 10017		
Tel: (212) 687-9888 Fax: (646) 487-5501		

MEP/FP ENGINEER:		
WSP BUILDING SYSTEMS		
CONSULTING ENGINEERS		
512 Seventh Avenue		
New York, NY 10018		
Tel: (212) 532-9600		

DOB STAMPS & SIGNATURES:		
Victor Daza		
APPROVED		
Under Executive E-17 1975		
NYC Development Hub		
Date: 02/04/2018		

DWG TITLE:		
TYPICAL SHEARWALL DETAILS		

NB#XXXXXXXX		
-------------	--	--

SEAL & SIGNATURE		DATE: 07/01/2015
PROJECT # 180104		SCALE: AS NOTED
S-945.01		DWG NO.

KEY PLAN



15	06/02/2017	D08 SUBMISSION
14	04/14/2017	ISSUED FOR CONSTRUCTION
13	12/02/2016	95% DD
12	10/05/2016	90% CD UPDATING SET
11	09/22/2016	90% CD (2ND-14TH FLOOR)
10	09/14/2016	90% CD
9	06/01/2016	SUPERSTRUCTURE AWARD SET - REV. 1
8	04/19/2016	POST APPROVAL AMENDMENT
7	04/15/2016	SUPERSTRUCTURE AWARD SET
6	03/24/2015	D08 SUBMISSION
5	03/08/2015	FOUNDATION SET
4	07/31/2015	D08 SUBMISSION
3	07/20/2015	100% DD
2	03/20/2015	50% DD
1	03/06/2015	D08 BILLING

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:

Goldstein, Hill & West Architects, LL
11 Broadway, Suite 1700
New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1754

DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
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Tel: (212) 967-6060

STRUCTURAL ENGINEER

WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DB STAMPS & SIGNATURES:



WING TITLE:
 COLUMN SCHEDULE 1
 TOWER
 NB#XXXXXXXX

REAL & SIGNATURE:	
-------------------	--

DATE: 07/31/2015

 PROJECT #: 1490104

SCALE: AS NOTED

[illegible]

W. H. C. C. C.

S-950 01

5 550.01

DWG NO. _____

FOR FULL EXTENT AND SHAPE OF
TRANSITION COLUMNS REFER TO
ARCHITECTURAL DRAWINGS

S-950.01

DANG NO. _____



C O L U M N S C H E D U L E		
FLOOR	COL. NO.	
	101	515 18 x 24 4-#8 VARIES
	102	768 27 x 27 8-#7 VARIES
	103	543 27 x 27 8-#7 VARIES
	104	688 27 x 27 8-#7 VARIES
	105	491 18 x 24 4-#8 VARIES
	106	714 24 x 24 6-#8 VARIES
	107	589 24 x 24 6-#8 VARIES
	108	645 24 x 24 6-#8 VARIES
	109	627 27 x 27 8-#7 VARIES
	110	664 27 x 27 8-#7 VARIES
	111	556 27 x 27 8-#7 VARIES
	112	824 24 x 24 6-#8 VARIES
	113	708 24 x 24 6-#8 VARIES
	114	713 24 x 24 6-#8 VARIES
	115	730 24 x 18 8-#6 VARIES
	116	785 24 x 18 8-#6 VARIES
	117	800 24 x 24 6-#8 VARIES
	118	575 24 x 24 6-#8 VARIES
	119	462 24 x 18 8-#6 VARIES
	120	618 24 x 18 8-#6 VARIES
	121	562 24 x 18 8-#6 VARIES
	122	583 24 x 18 8-#6 VARIES
	123	684 24 x 18 8-#6 VARIES
	124	699 24 x 18 8-#6 VARIES
	125	690 24 x 18 8-#6 VARIES
	126	821 18 x 24 4-#8 VARIES
	127	827 24 x 24 6-#8 VARIES
	128	827 24 x 24 6-#8 VARIES
	129	925 24 x 24 6-#8 VARIES
	130	831 24 x 24 6-#8 VARIES
	131	899 24 x 24 6-#8 VARIES
	132	888 24 x 24 6-#8 VARIES
	133	553 24 x 24 6-#8 VARIES
	134	786 24 x 18 8-#6 VARIES
	135	796 24 x 18 8-#6 VARIES
	136	786 24 x 18 8-#6 VARIES
	137	786 24 x 18 8-#6 VARIES
	138	555 24 x 24 6-#8 VARIES
	139	600 24 x 18 8-#6 VARIES
	140	541 24 x 18 8-#6 VARIES
	141	583 24 x 24 6-#8 VARIES
	142	432 18 x 24 4-#8 VARIES
	301	1258 24 x 24 6-#8 VARIES
	302	1072 24 x 24 6-#8 VARIES
	303	941 24 x 24 6-#8 VARIES
	304	774 24 x 24 6-#8 VARIES
	305	755 24 x 24 6-#8 VARIES
	306	518 24 x 24 6-#8 VARIES
	307	658 24 x 24 6-#8 VARIES

NOTES:
REFER TO DRAWING, S-950 FOR NOTES.

10	04/02/2017	DOB SUBMISSION
9	04/14/2017	ISSUED FOR CONSTRUCTION
8	12/02/2016	80% CD
7	10/02/2016	90% CD UPDATED SET
6	09/23/2016	90% CD (IND-14TH FLOOR)
5	09/14/2016	90% CD
4	04/30/2016	POST APPROVAL AMENDMENT
3	04/15/2016	SUPERSTRUCTURE AWARD SET
2	07/31/2015	DOB SUBMISSION
1	07/20/2015	100% CD

Number	Date	Revision
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OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:

Goldstein, Hill & West Architects, LLP
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Tel (212) 213-8007 Fax (212) 686-1754

DESIGN ARCHITECT:
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Tel: (212) 967-6560


STRUCTURAL ENGINEER:
WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
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New York, NY 10017
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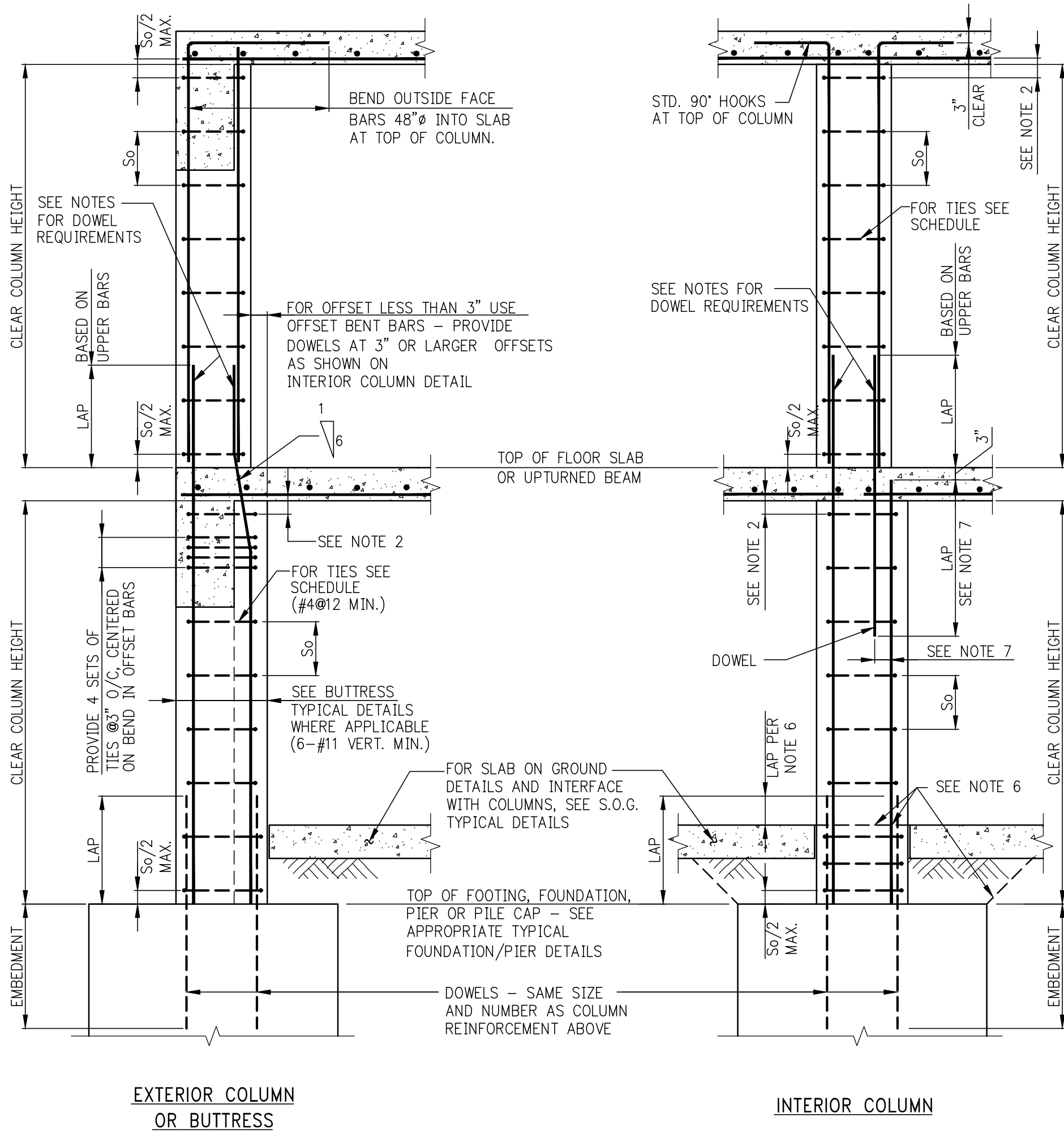
MEP/FP ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:



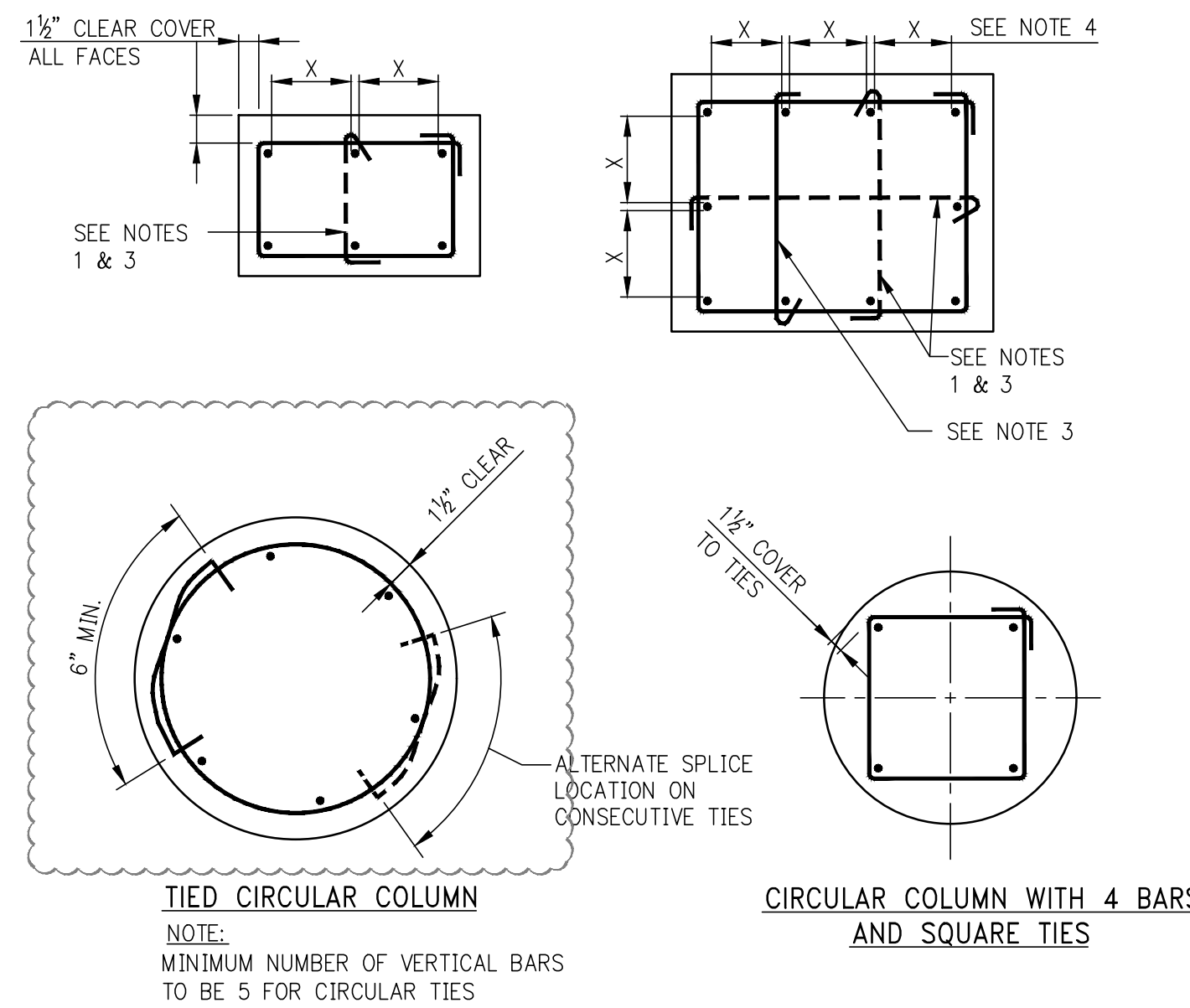
DWG TITLE:
COLUMN SCHEDULE 2
LOW RISE
NB#XXXXXXXX

SEAL & SIGNATURE: 	DATE: 07/31/2015
	PROJECT #: 1480104
	SCALE: AS NOTED
	S-951.00
	DWG NO.

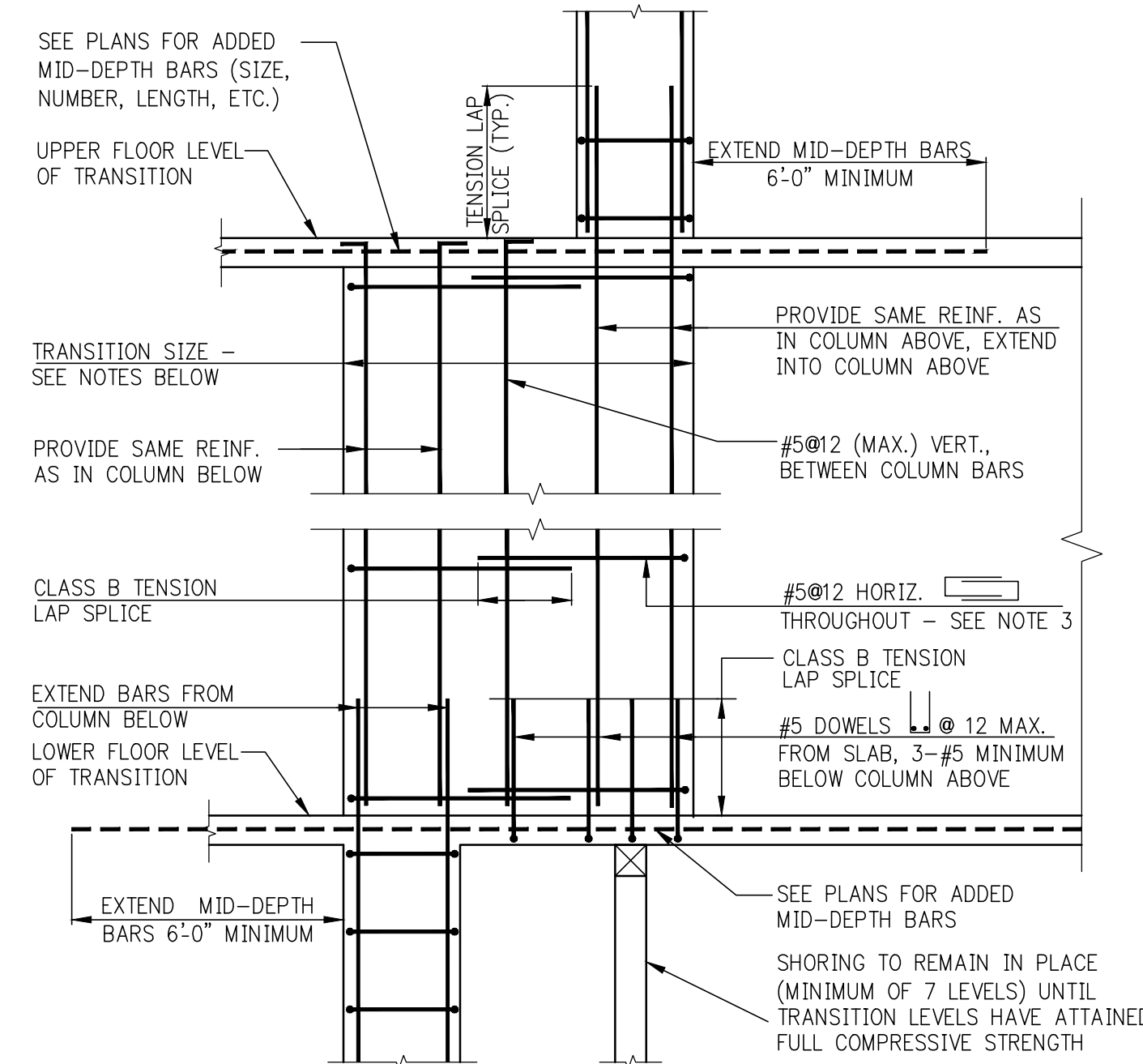


COLUMN TIE SCHEDULE				
VERTICAL BAR SIZE	SIZE AND SPACING (S ₀) OF TIES IN INCHES (MAX. SPACING NOT TO EXCEED LEAST COL. DIM.)			
	#3	#4	#5	
#5	10	-	-	
#6	12	-	-	
#7	14	-	-	
#8	16	16	-	
#9	18	18	-	
#10	18	20	-	
#11	-	22	-	
#14	-	24	27	
#18	-	34	30	

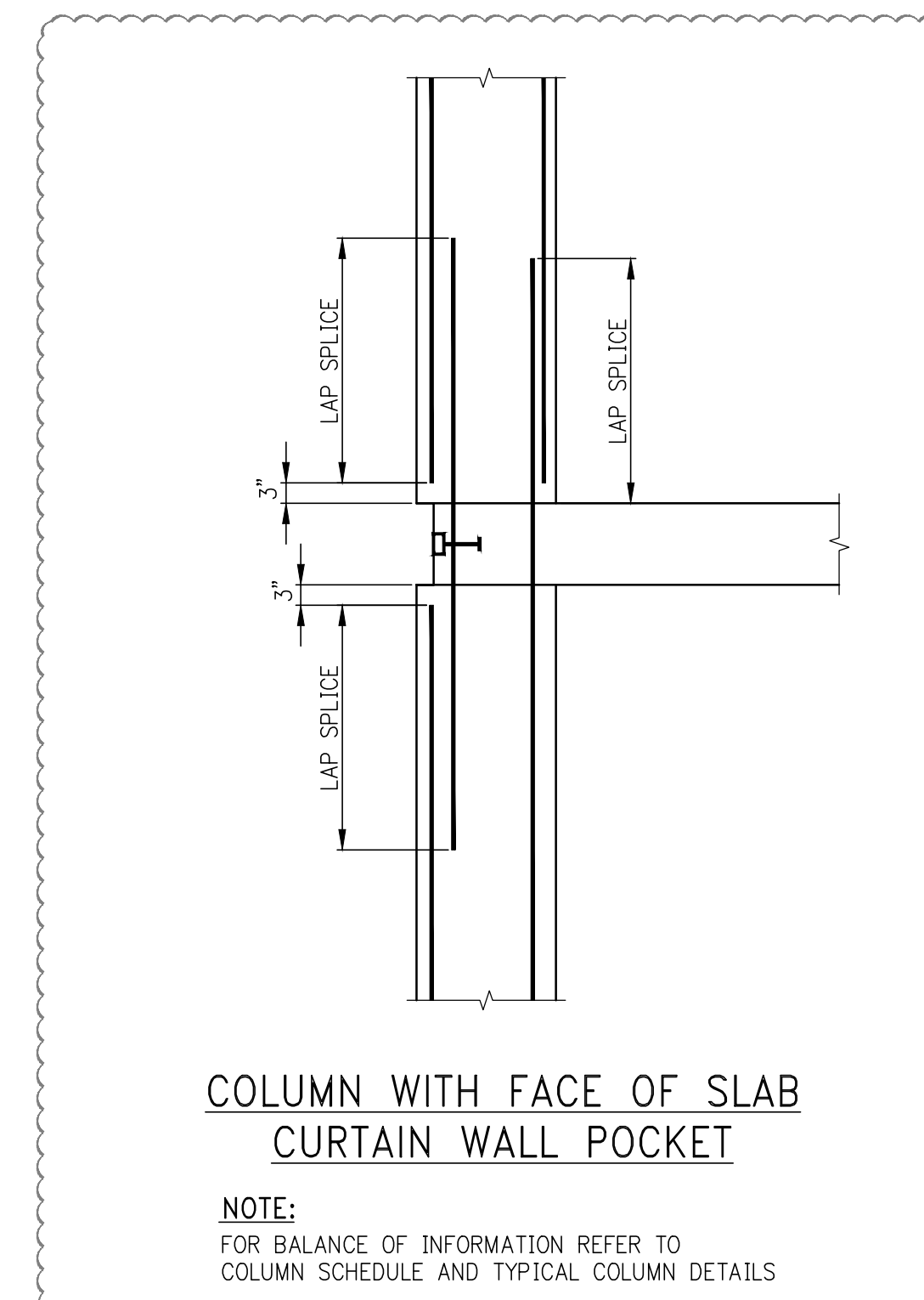
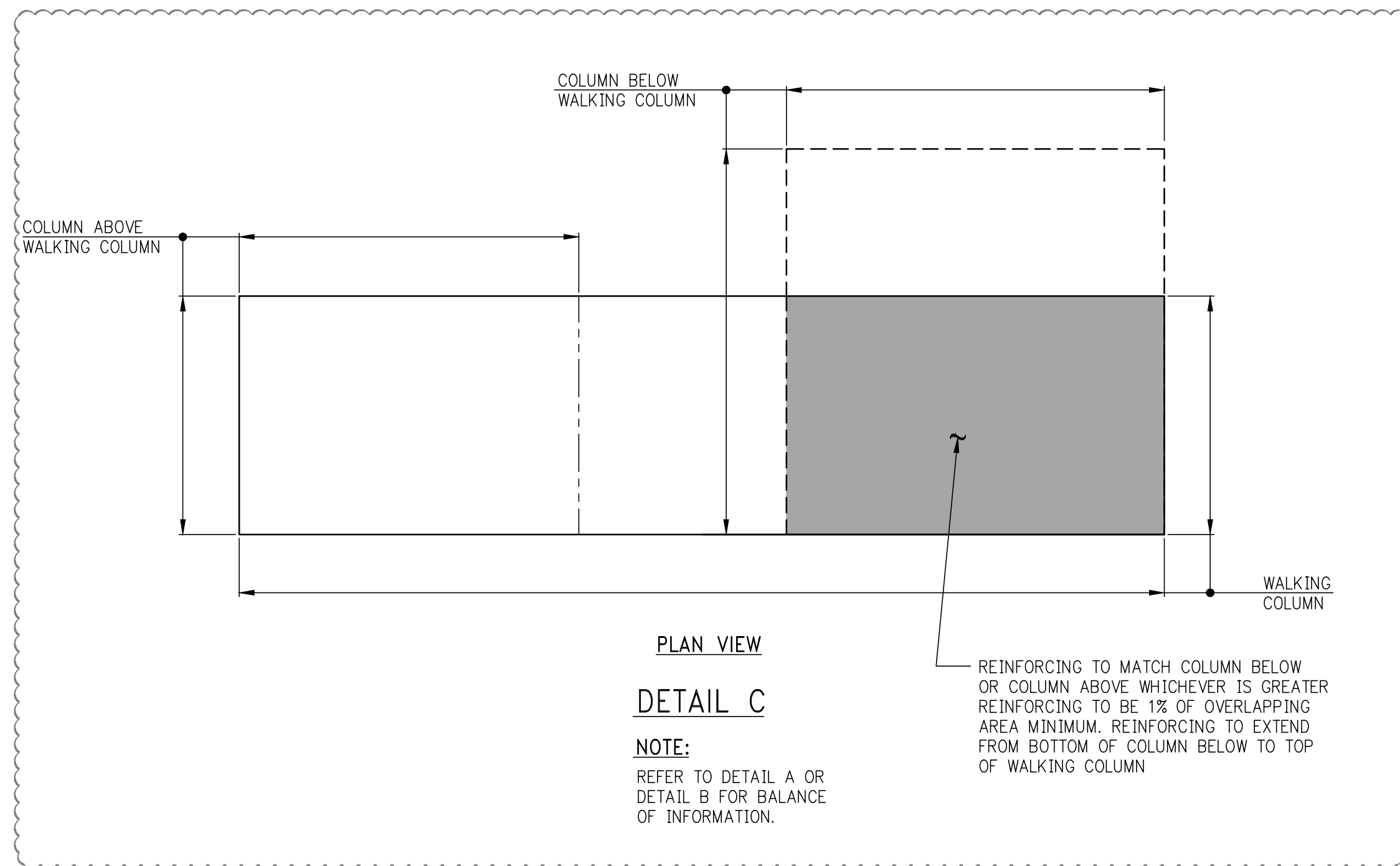
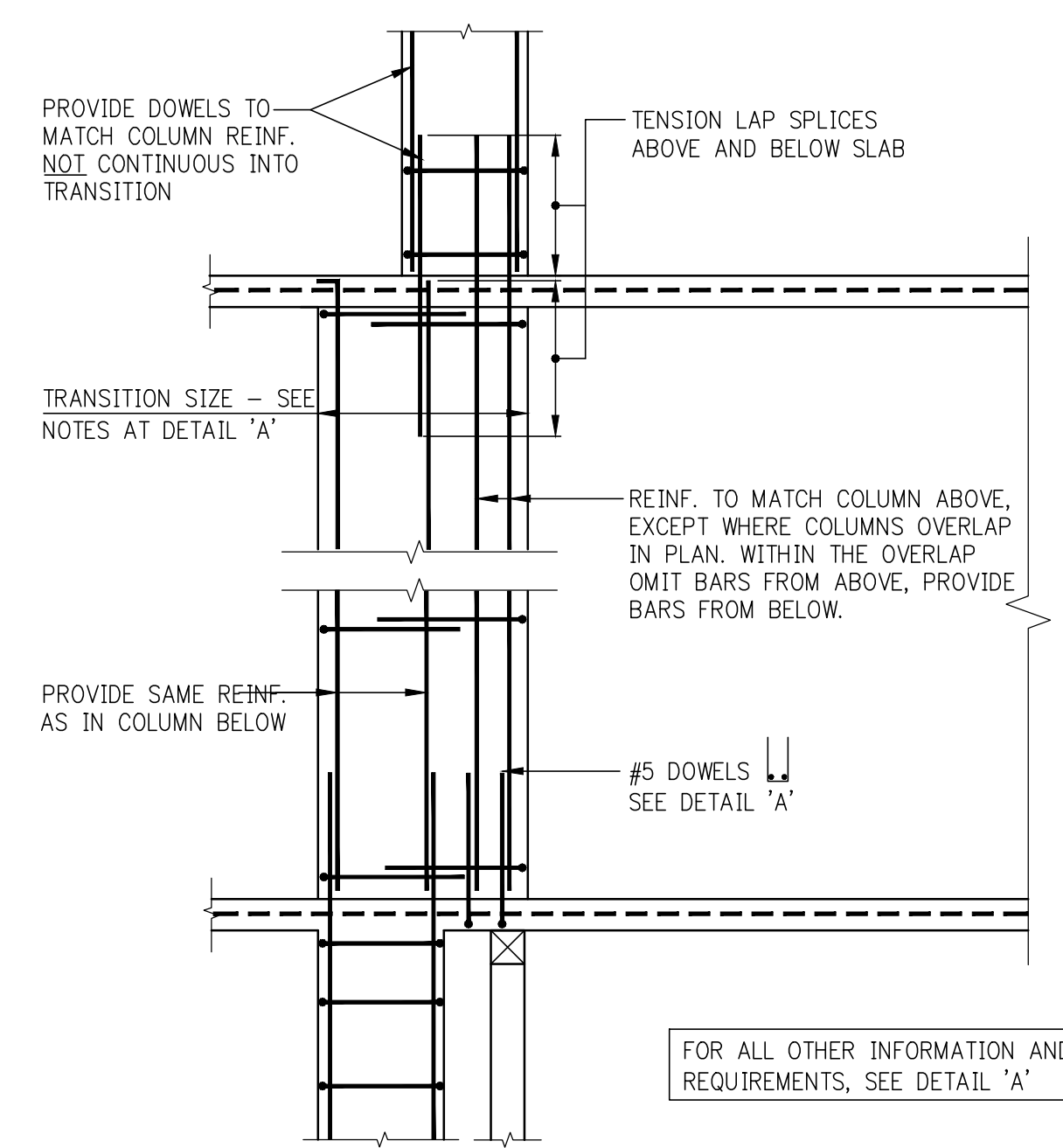
- NOTES:**
- #3 TIES NOT PERMITTED FOR #11, #14, #18 OR BUNDLED VERTICAL BARS.
 - LOCATE TOP SET OF TIES S₀/2 MAX. BELOW THE LOWEST HORIZONTAL REINFORCEMENT IN SLAB OR DROP PANEL. WHERE BEAMS FRAME FROM FOUR DIRECTIONS INTO COLUMN, TIES MAY TERMINATE NOT MORE THAN 3" BELOW LOWEST REINFORCEMENT IN SHALLOWEST OF SUCH BEAMS.
 - WHERE AREA OF VERTICAL REINFORCEMENT IN LOWER COLUMN IS GREATER THAN THAT OF UPPER COLUMN, EXTEND AREA OF REINFORCEMENT AT LEAST EQUAL TO THAT OF UPPER COLUMN.
 - WHERE AREA OF REINFORCEMENT IN LOWER COLUMN IS LESS THAN THAT OF UPPER COLUMN, PROVIDE ADDITIONAL DOWELS TO MAKE UP THE DIFFERENCE.
 - ALL LAP SPLICES AND EMBEDMENTS TO BE TENSION CLASS "A" UNLESS OTHERWISE NOTED IN COLUMN SCHEDULE.
 - WHERE SLAB IS POURED OVER FOUNDATION PRIOR TO COLUMN, VERTICAL REINFORCEMENT AND DOWEL LAP TO START AT TOP OF SLAB.
 - IF OFFSET OF DOWEL IS MORE THAN 6", LAP SHALL BE TWICE THE COMPRESSION DEVELOPMENT LENGTH OF THE SMALLER BAR.



- NOTES:**
- SINGLE LEG CROSSTIES SHOWN DASHED MAY BE OMITTED WHEN THE VERTICAL BAR IS NO FARTHER THAN 6" CLEAR ON EACH SIDE FROM ADJACENT TIED BARS.
 - WHEN THERE IS A SERIES OF VERTICAL BARS (SUCH AS IN WALL-LINE COLUMNS) AND BARS ARE SPACED NOMINALLY AT 6" O/C, EVERY OTHER VERTICAL BAR WILL REQUIRE A CROSSTIE.
 - ALTERNATE 90° AND 135° ENDS ON CONSECUTIVE SINGLE LEG CROSSTIES THROUGHOUT HEIGHT OF MEMBER.
 - DETAILER SHALL SPACE BARS EQUIDISTANT ON ALL FACES UNLESS OTHERWISE SHOWN IN DETAILS.



- NOTES:**
- FOR DIMENSIONS AND LOCATION OF TRANSITION SEE COLUMN LOCATION PLANS AND/OR COLUMN SCHEDULE.
 - VERTICAL REINFORCEMENT IN TRANSITION TO BE AS SHOWN IN DETAILS 'A' AND 'B' UNLESS THE COLUMN SCHEDULE CALLS FOR SPECIFIC VERTICAL REINFORCEMENT WITHIN THE TRANSITION.
 - IN ADDITION TO #5#12 HORIZONTAL HOOPS, PROVIDE HOOPS AND CROSSTIES TO SATISFY TIEING REQUIREMENTS OF TYPICAL COLUMN DETAILS FOR ALL VERTICAL REINFORCEMENT.



13	06/02/2017	DOB SUBMISSION
12	04/14/2017	ISSUED FOR CONSTRUCTION
11	12/02/2016	REV CD
10	10/02/2016	REV CD UPDATED SET
9	09/14/2016	REV CD
8	04/19/2016	POST APPROVAL AMENDMENT
7	04/15/2016	SUPPLEMENTARY AWARD SET
6	03/04/2015	DOB SUBMISSION
5	09/09/2015	FOUNDATION SET
4	07/31/2015	DOB SUBMISSION
3	01/20/2015	REV CD
2	03/20/2015	REV CD
1	03/06/2015	DOB FILING

OWNER:

GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:

RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:

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MEP/FP ENGINEER:

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Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

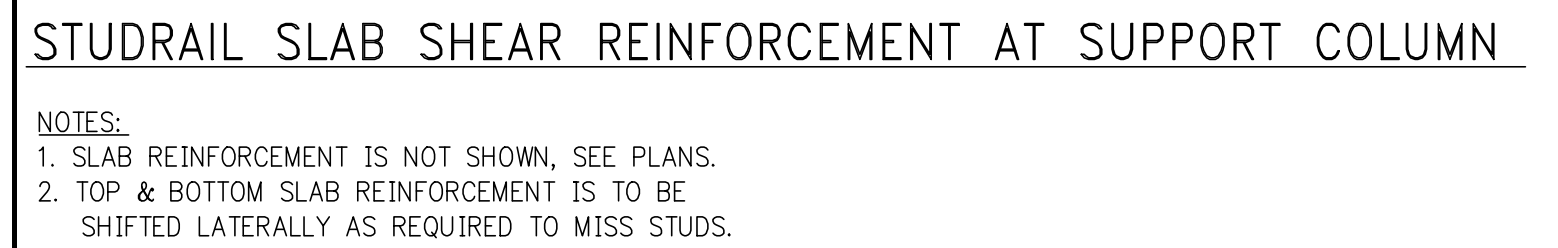
Victor Daza
APPROVED
Under Executive Order 1975
EXEMPTED FROM REGISTRATION
Date: 03/04/2018
NYC Development Hub

DWG TITLE:

TYPICAL COLUMN DETAILS
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/01/2015
PROJECT #: 180104
SCALE: AS NOTED
S-955.01
DWG NO.



STUDRAIL—MINIMUM DIMENSIONAL REQUIREMENTS					
STUD DIAMETER (INCH)	CROSS SECTIONAL AREA (INCH) ²	HEAD DIAMETER (INCH)	HEAD THICKNESS (INCH)	BASE RAIL WIDTH (INCH)	BASE RAIL THICKNESS (INCH)
$\frac{3}{8}$	0.11	1.19	0.21	1	$\frac{3}{16}$
$\frac{1}{2}$	0.20	1.58	0.28	$1\frac{1}{2}$	$\frac{1}{4}$
$\frac{5}{8}$	0.31	1.98	0.35	$1\frac{3}{4}$	$\frac{9}{16}$
$\frac{3}{4}$	0.44	2.37	0.42	2	$\frac{3}{8}$

NOTES FOR STUDRAILS:

1. SHEAR REINFORCEMENT AT THE SLAB-COLUMN CONNECTION SHALL BE STUINALS AS MANUFACTURED BY DECON (PART NO. 500 6990)
2. THE SHEAR STUDS USED IN THE FABRICATION OF STUINALS SHALL BE CHROBON STEEL C1015 TO C1018 IN ACCORDANCE WITH ASTM-A1018. THE STRENGTH AND DUCTILITY REQUIREMENTS ARE:

YIELD STRENGTH:	50,000 psi M.N.
TENSILE STRENGTH:	65,000 psi M.N.
ELONGATION IN 2 IN:	21.00 % M.N.
REDUCTION OF AREA:	50% M.N.
3. RAELS USED IN STUINALS SHALL BE LOW CARBON STEEL FOLLOWING THE STRENGTH AND DUCTILITY REQUIREMENTS, IN ACCORDANCE WITH ASTM-A1044:

YIELD STRENGTH:	44,000 psi M.N.
TENSILE STRENGTH:	65,000 psi M.N.
ELONGATION IN 8 IN:	20% M.N.
4. THE STUDS SHALL BE WELDED IN ACCORDANCE WITH AWS D1.1. THE PROJECT SPECIFICATIONS FOR PRODUCTION CONTROL, FABRICATION AND VERIFICATION REQUIREMENTS.
5. THE OVERALL HEIGHT OF THE STUINAL IS DEPENDENT ON THE STRENGTH AND DUCTILITY OF THE CONCRETE COVER. THE AREA OF THE STUD HEAD SHALL BE TO TIMES THE AREA OF THE BASE. THE STUD SHALL BE AS SHOWN IN THE TABLE ON THIS DRAWING.



NOTE:
SLAB REINFORCEMENT IS NOT SHOWN, SEE PLANS.

[illegible]

KEY PLAN



7	06/02/2017	D08 SUBMISSION
6	04/14/2017	ISSUED FOR CONSTRUCTION
5	12/02/2016	55% CD
4	10/05/2016	90% CD UPDATED SET
3	04/15/2016	SUPERSTRUCTURE INWARD SET
2	07/31/2015	D08 SUBMISSION
1	07/30/2015	100%

Number:	Date:	Revision:
---------	-------	-----------

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:

Goldstein, Hill & West Architects, LLP
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New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1754

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512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:



DWG TITLE:

TYPICAL COLUMN DETAILS

NB#XXXXXXXX

SEAL & SIGNATURE	
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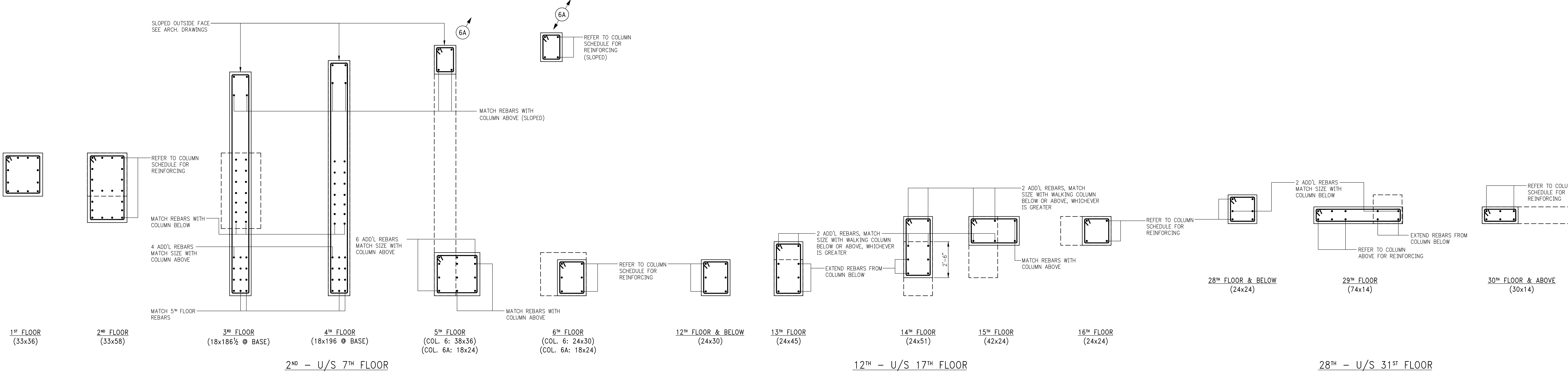
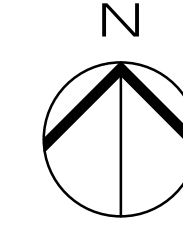
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DANG NO.



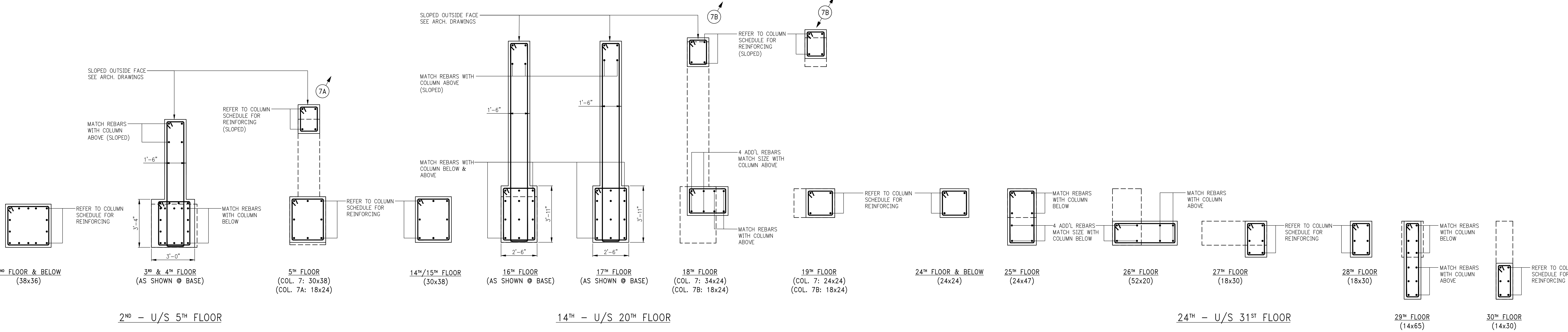
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KEY PLAN



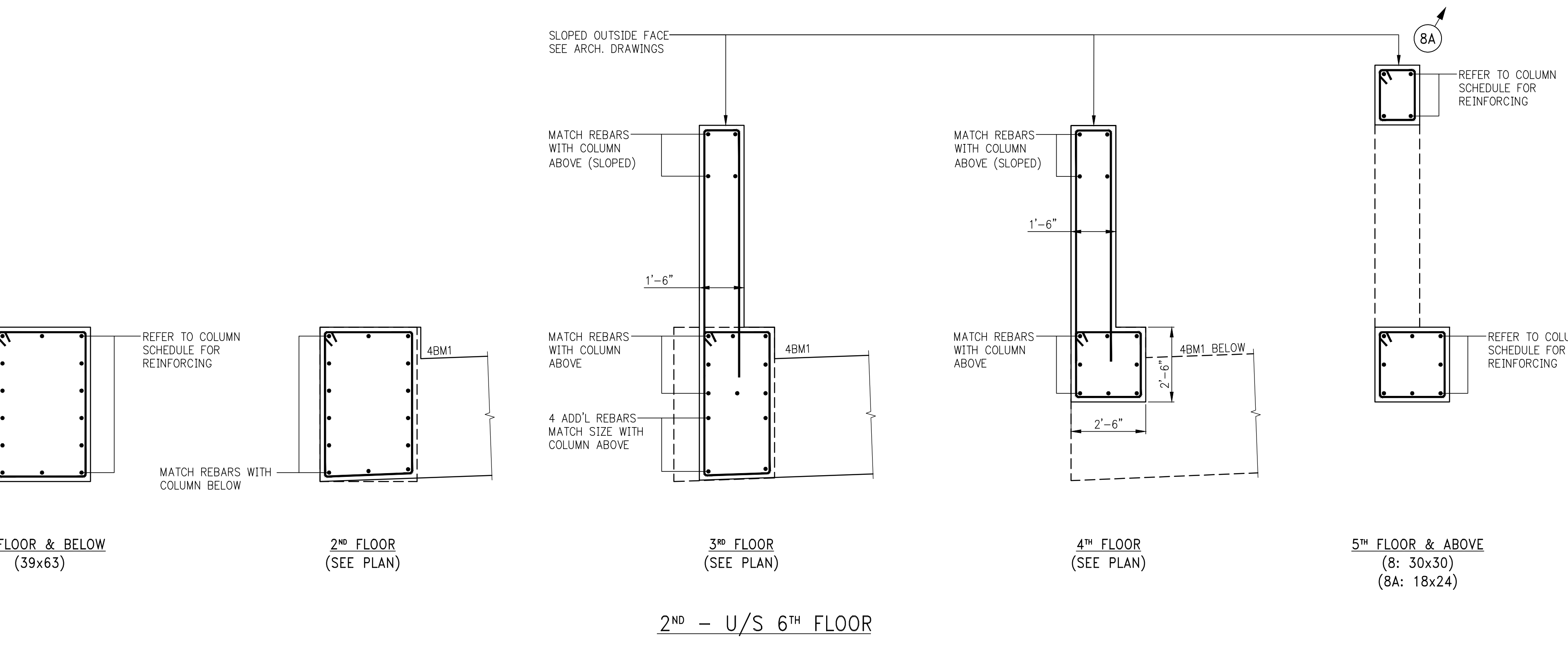
COLUMN 6 REINFORCEMENT DETAILS

NOTE:
1. FOR BALANCE OF INFORMATION & REINFORCEMENT REFER TO TYPICAL WALKING COLUMN DETAILS ON DWG. S-955.



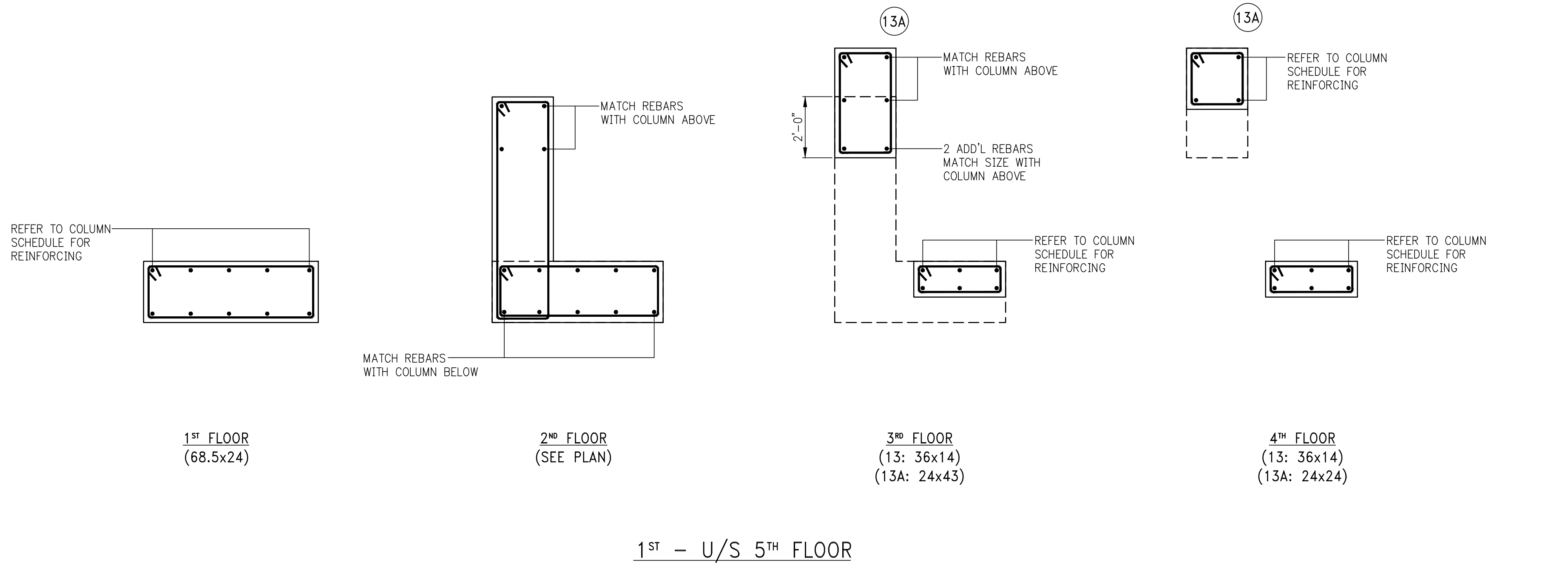
COLUMN 7 REINFORCEMENT DETAILS

NOTE:
1. FOR BALANCE OF INFORMATION & REINFORCEMENT REFER TO TYPICAL WALKING COLUMN DETAILS ON DWG. S-955.



COLUMN 8 REINFORCEMENT DETAILS

NOTE:
1. FOR BALANCE OF INFORMATION & REINFORCEMENT REFER TO TYPICAL WALKING COLUMN DETAILS ON DWG. S-955.



COLUMN 13 REINFORCEMENT DETAILS

NOTE:
1. FOR BALANCE OF INFORMATION & REINFORCEMENT REFER TO TYPICAL WALKING COLUMN DETAILS ON DWG. S-955.

6	06/02/2017	DOE SUBMISSION
5	04/14/2017	ISSUED FOR CONSTRUCTION
4	10/02/2016	65% CD
3	10/05/2016	90% CD UPDATED SET
2	09/23/2016	90% CD (2ND-14TH FLOOR)
1	04/15/2016	SUPERSUBMITTAL AWARD SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

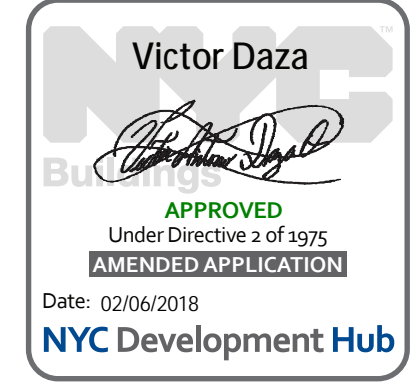
DESIGN ARCHITECT:
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WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:



DWG TITLE:
COLUMN REINFORCEMENT
DETAILS 1
NB#XXXXXXXX

SEAL & SIGNATURE: [Seal] DATE: 07/03/2015
PROJECT # 189704
SCALE: AS NOTED
S-958.00
DWG NO.

KEY PLAN



6	06/02/2017	DOB SUBMISSION
5	04/14/2017	ISSUED FOR CONSTRUCTION
4	12/02/2016	80% CD
3	10/05/2016	80% CD UPDATED SET
2	09/23/2016	80% CD (2ND-14TH FLOOR)
1	04/15/2016	SUPERSTRUCTURE HANDBOOK SET

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:

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Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:



DWG TITLE:
COLUMN REINFORCEMENT
DETAILS 2
NB#XXXXXXXX

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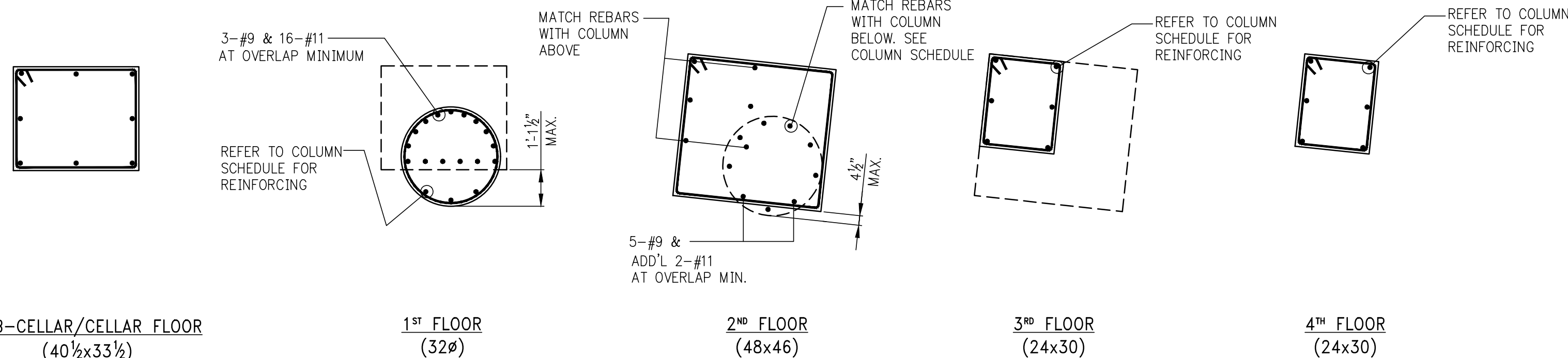
DATE: 07/01/2015

PROJECT # 1480104

SCALE: AS NOTED

S-959.00

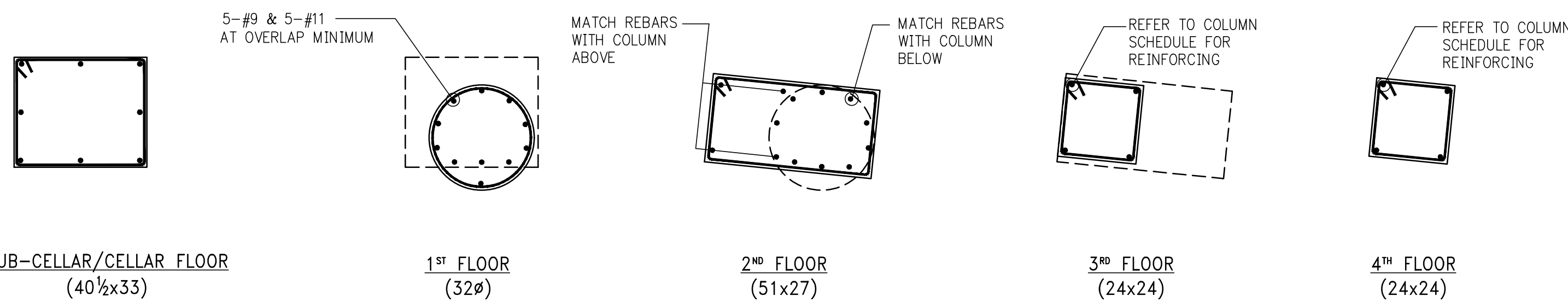
DWG NO.



SUB-CELLAR/CELLAR - 4TH FLOOR

COLUMN 2 REINFORCEMENT DETAILS

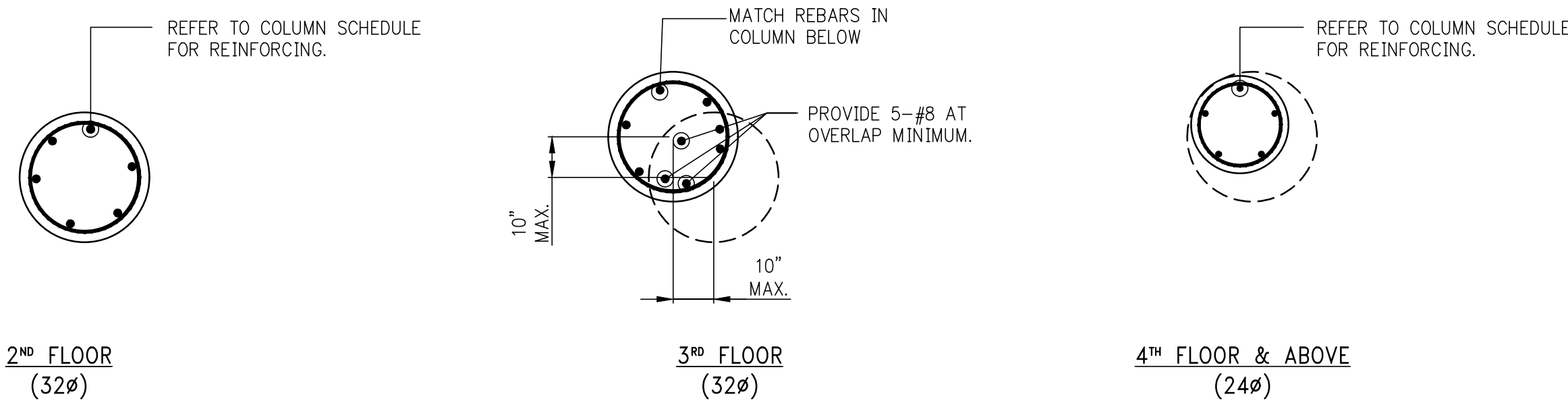
NOTE:
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SUB-CELLAR/CELLAR - 4TH FLOOR

COLUMN 3 REINFORCEMENT DETAILS

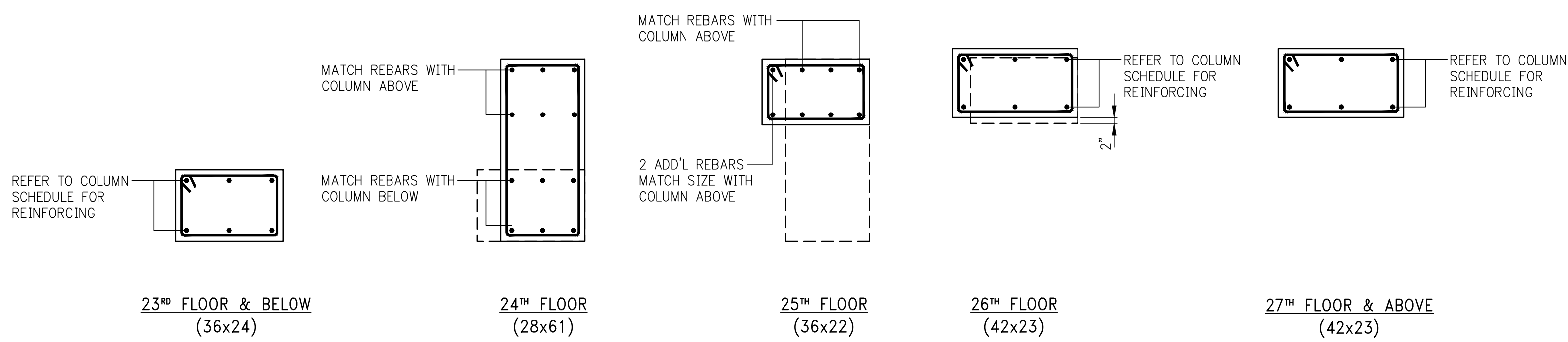
NOTE:
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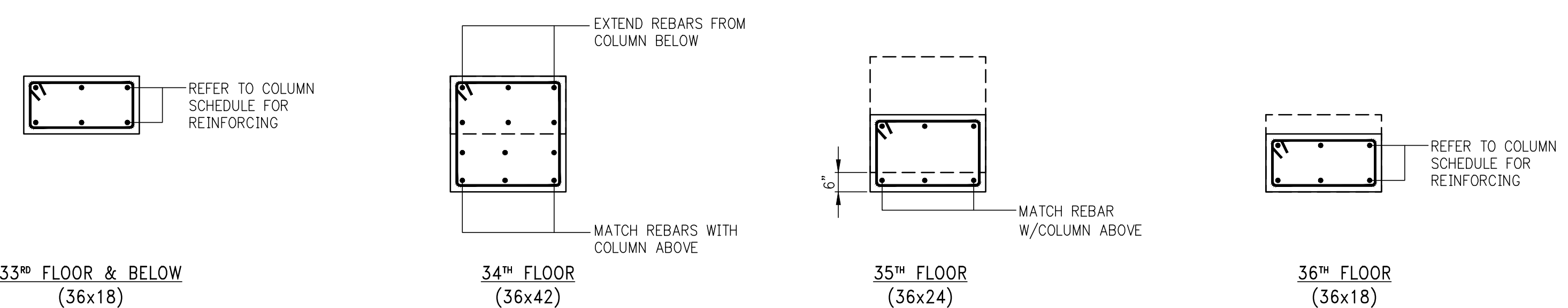
1ST - 4TH FLOOR

COLUMN 4 REINFORCEMENT DETAILS

NOTE:
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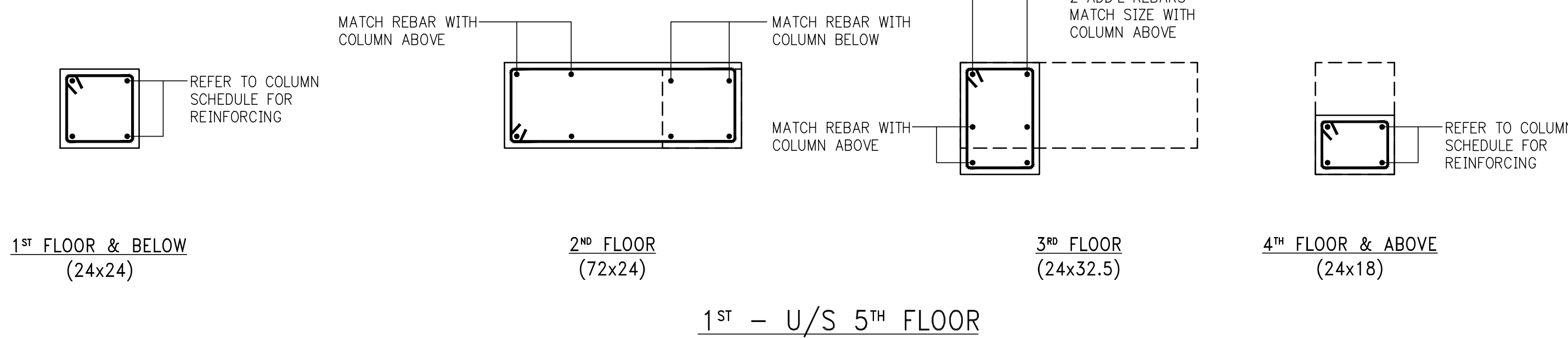
23RD - U/S 28TH FLOOR



34TH - U/S 38TH FLOOR

COLUMN 20 REINFORCEMENT DETAILS

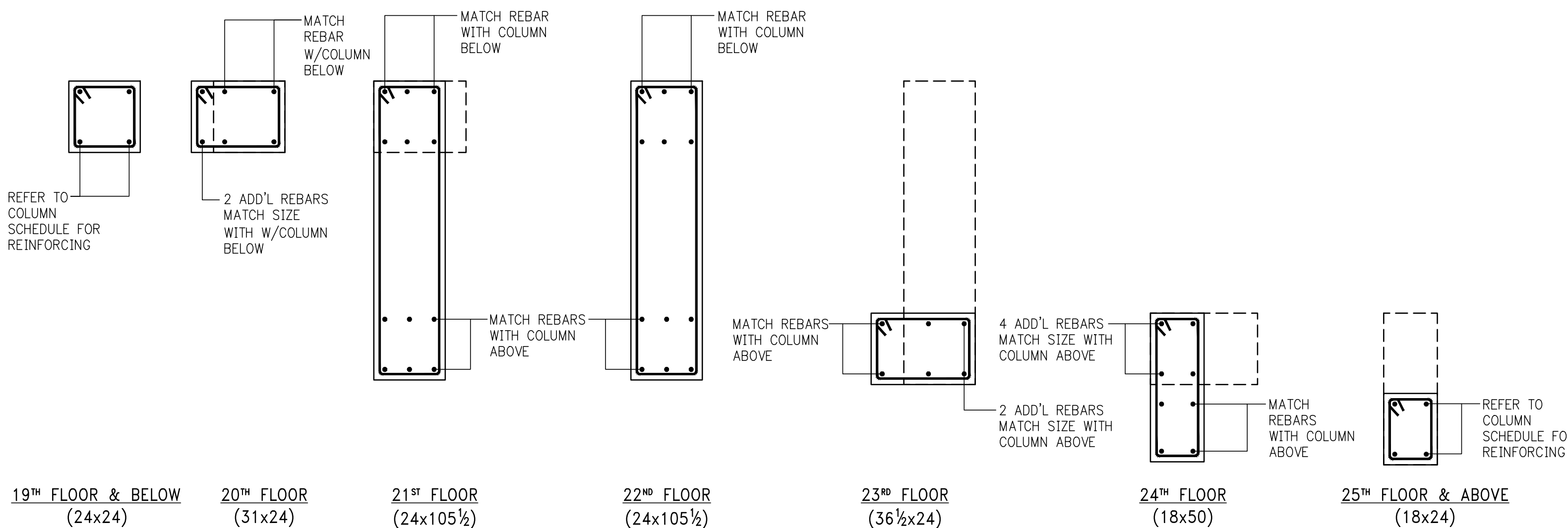
NOTE:
1. FOR BALANCE OF INFORMATION & REINFORCEMENT REFER TO TYPICAL WALKING COLUMN DETAILS ON DWG. S-955.



1ST - U/S 5TH FLOOR

COLUMN 16 REINFORCEMENT DETAILS

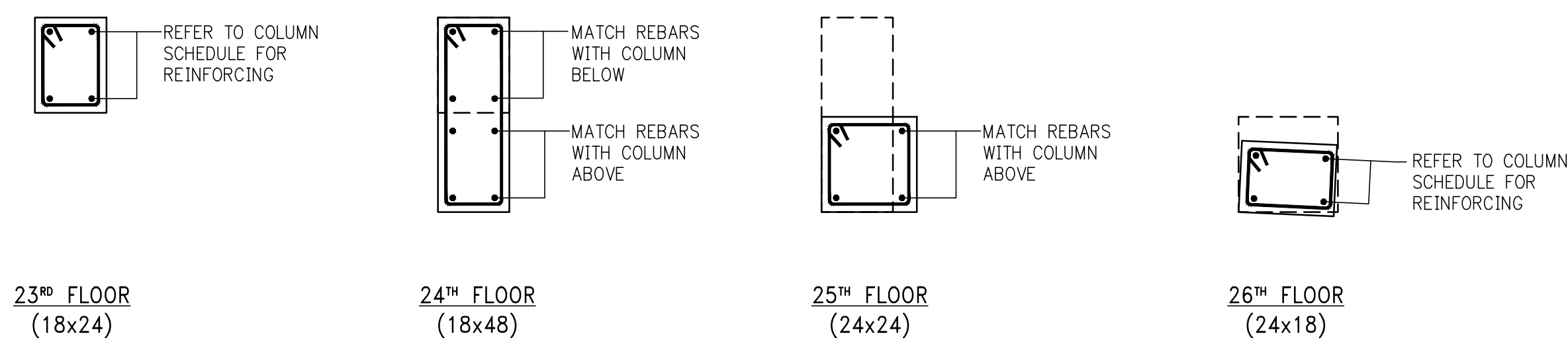
NOTE:
1. FOR BALANCE OF INFORMATION & REINFORCEMENT REFER TO TYPICAL WALKING COLUMN DETAILS ON DWG. S-955.



20TH - U/S 26TH FLOOR

COLUMN 22 REINFORCEMENT DETAILS

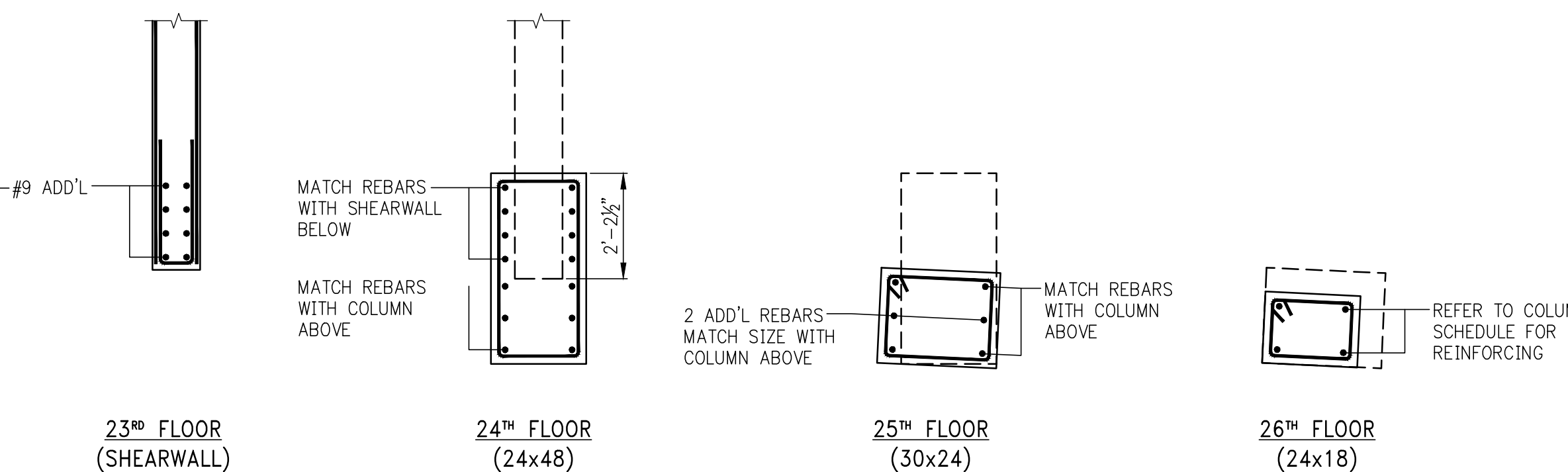
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23RD - U/S 27TH FLOOR

COLUMN 23 REINFORCEMENT DETAILS

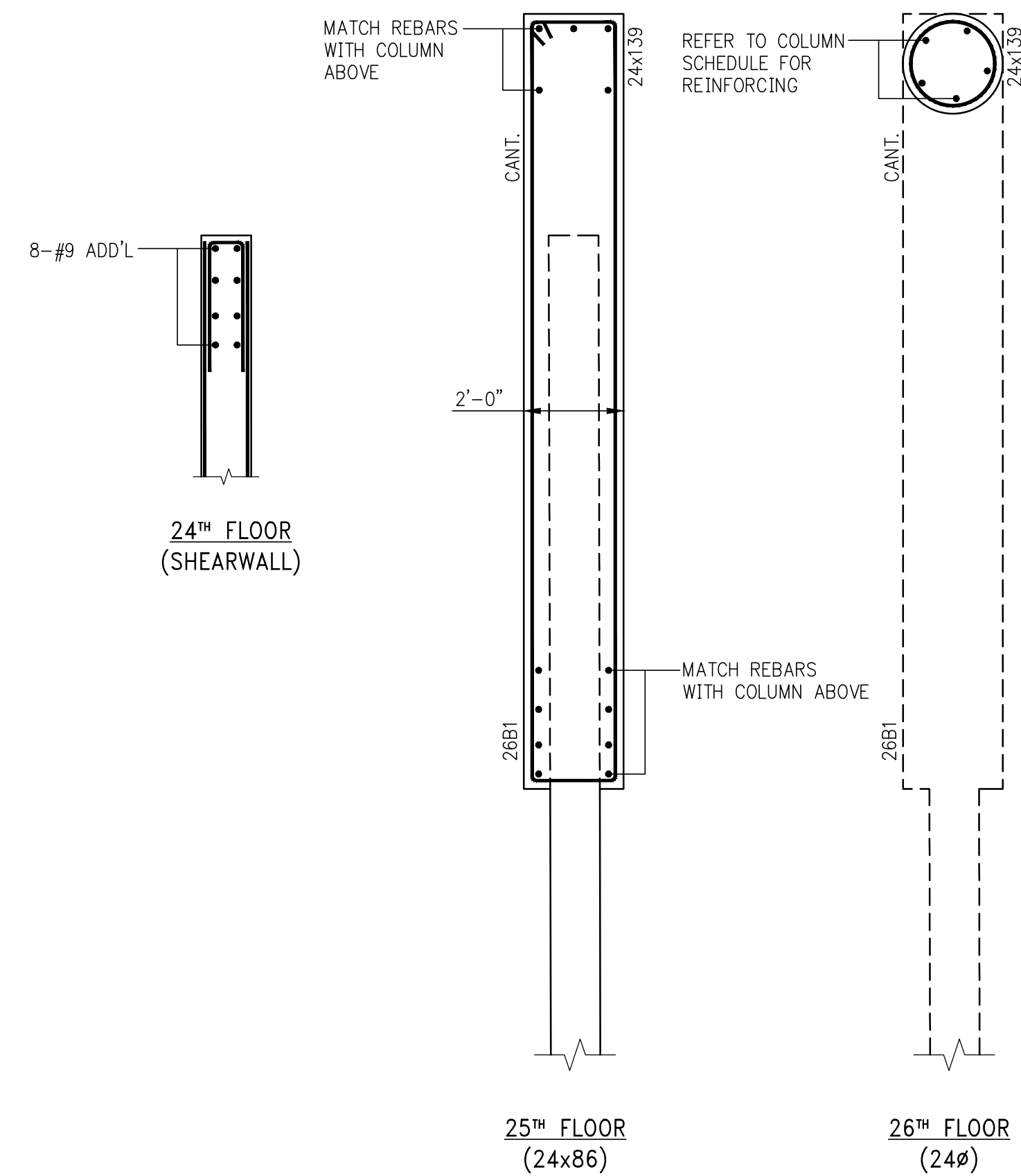
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23RD - U/S 27TH FLOOR

COLUMN 36 REINFORCEMENT DETAILS

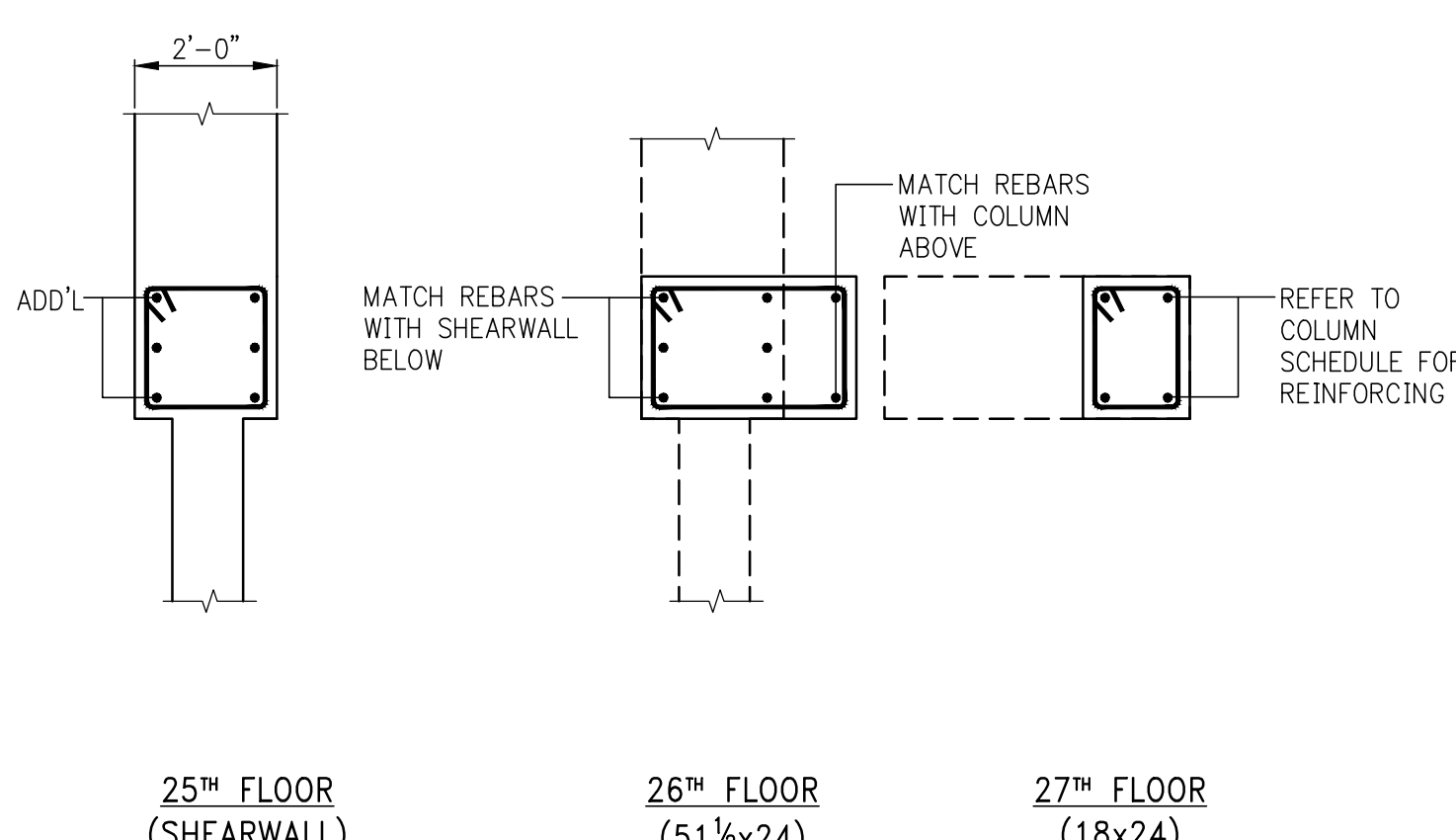
NOTE:
1. FOR BALANCE OF INFORMATION & REINFORCEMENT REFER TO TYPICAL WALKING COLUMN DETAILS ON DWG. S-955.



24TH - U/S 27TH FLOOR

COLUMN 37 REINFORCEMENT DETAILS

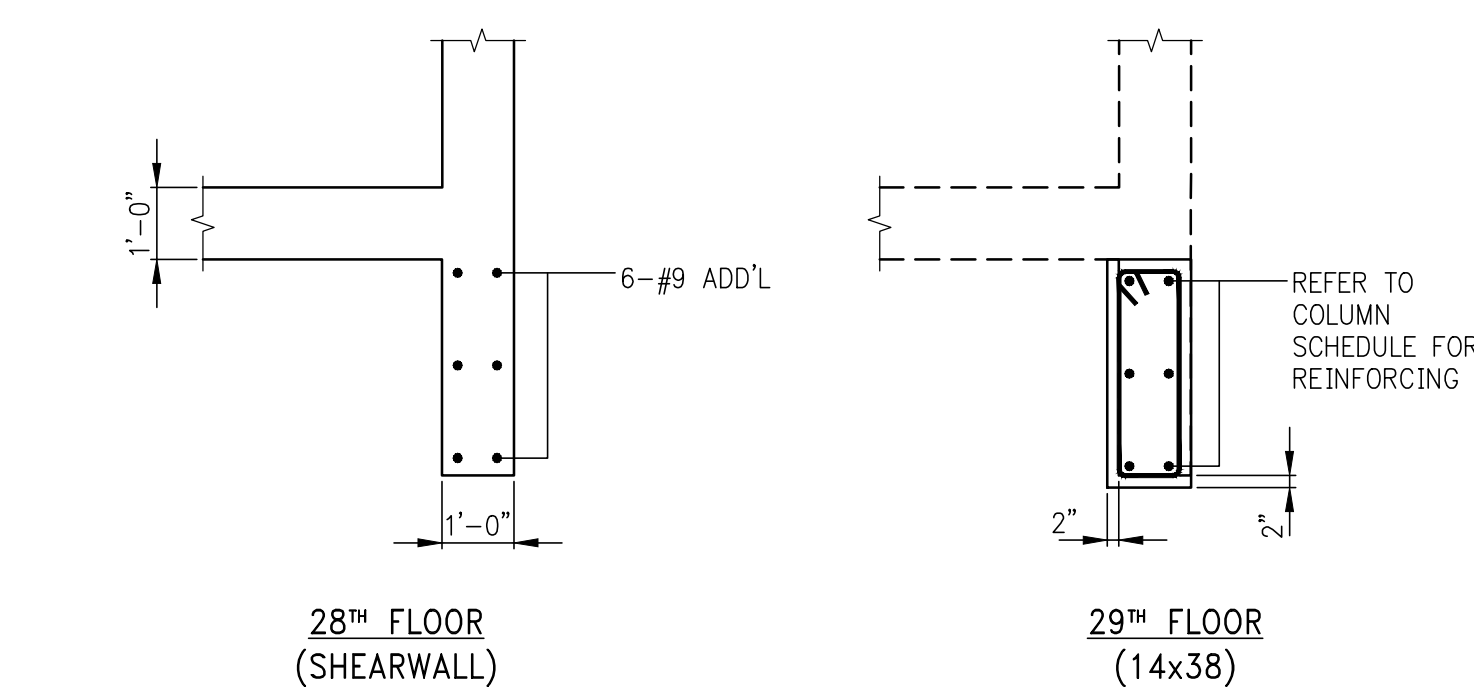
NOTE:
1. FOR BALANCE OF INFORMATION & REINFORCEMENT REFER TO TYPICAL WALKING COLUMN DETAILS ON DWG. S-955.



25TH - U/S 28TH FLOOR

COLUMN 38 REINFORCEMENT DETAILS

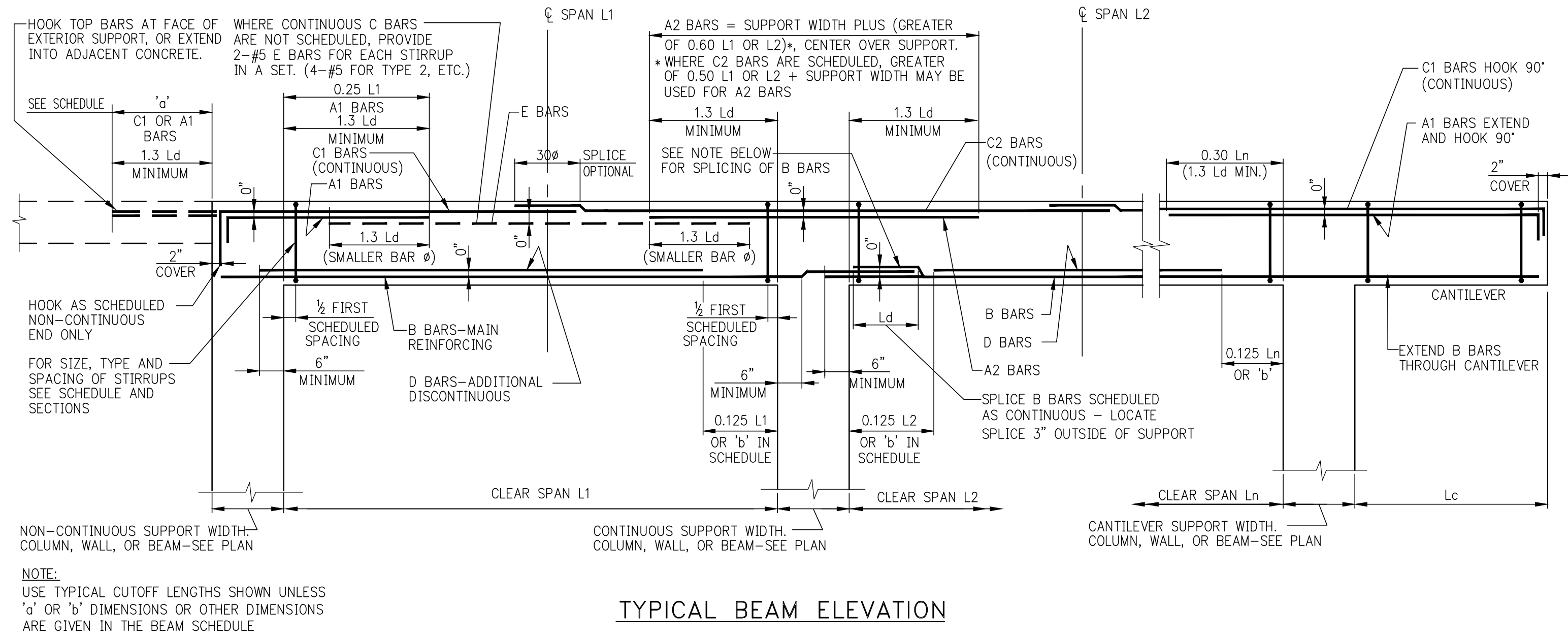
NOTE:
1. FOR BALANCE OF INFORMATION & REINFORCEMENT REFER TO TYPICAL WALKING COLUMN DETAILS ON DWG. S-955.



28TH - U/S 30TH FLOOR

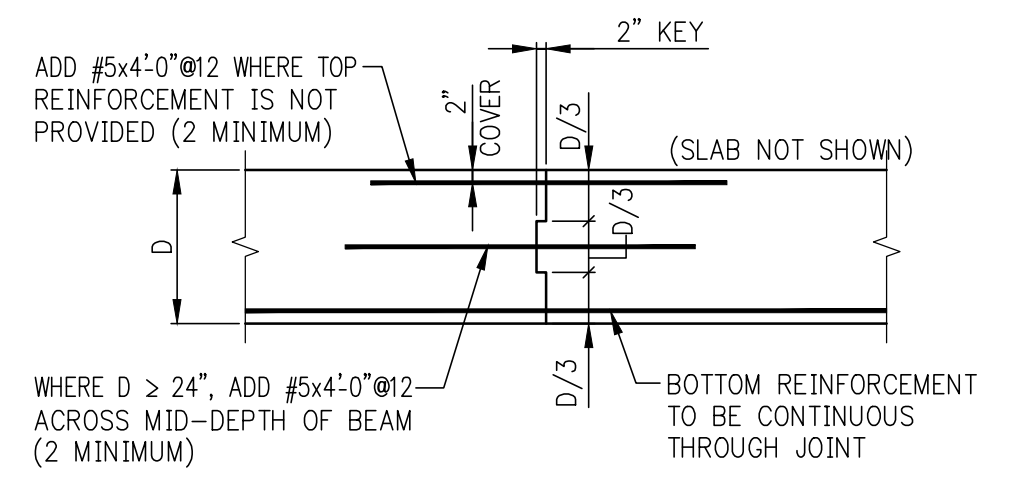
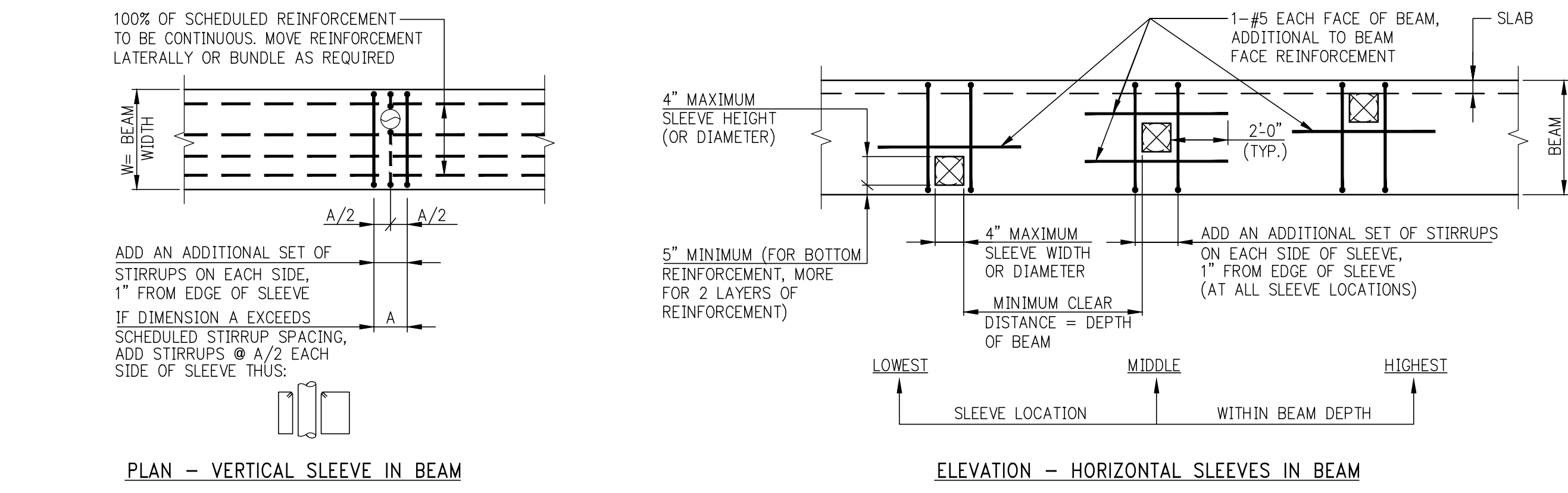
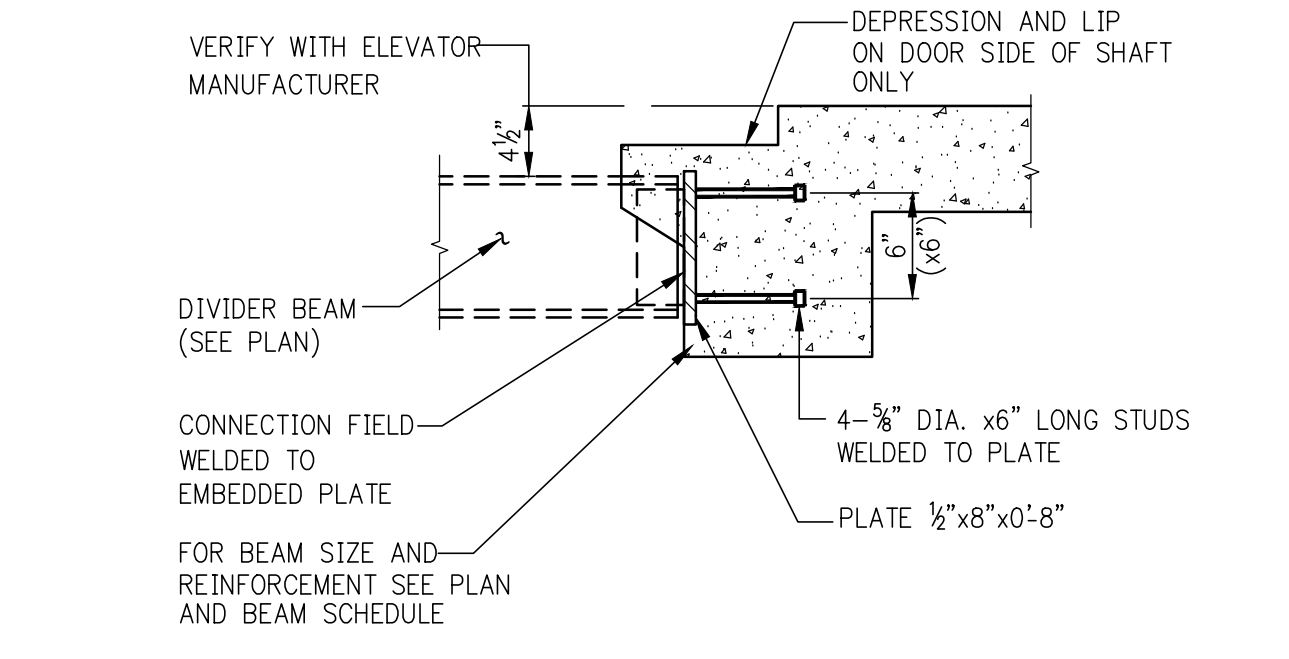
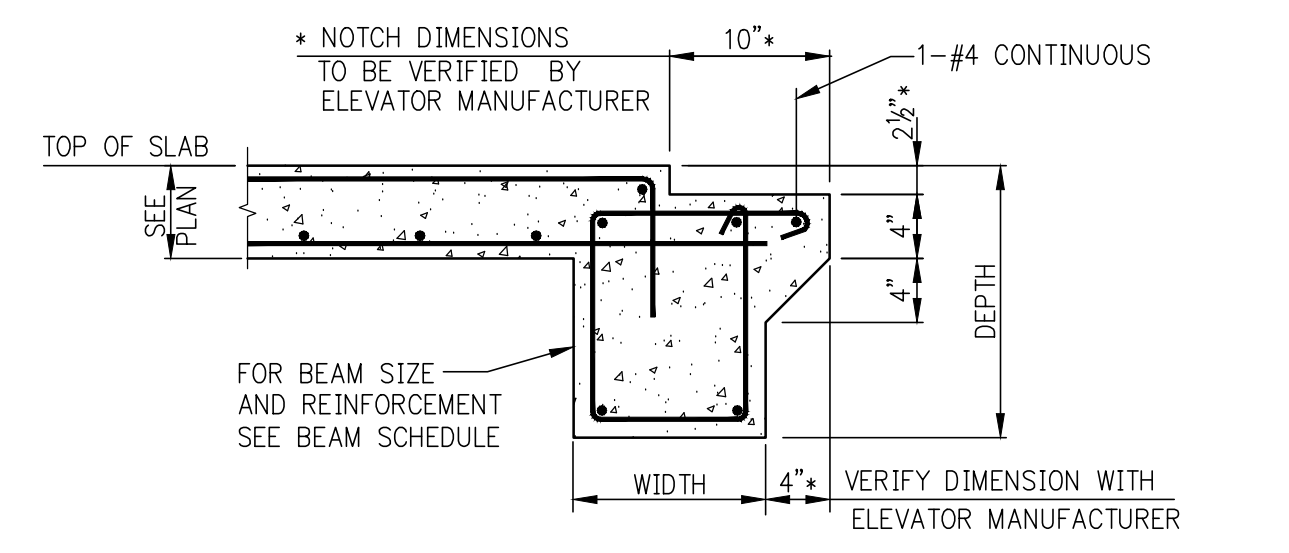
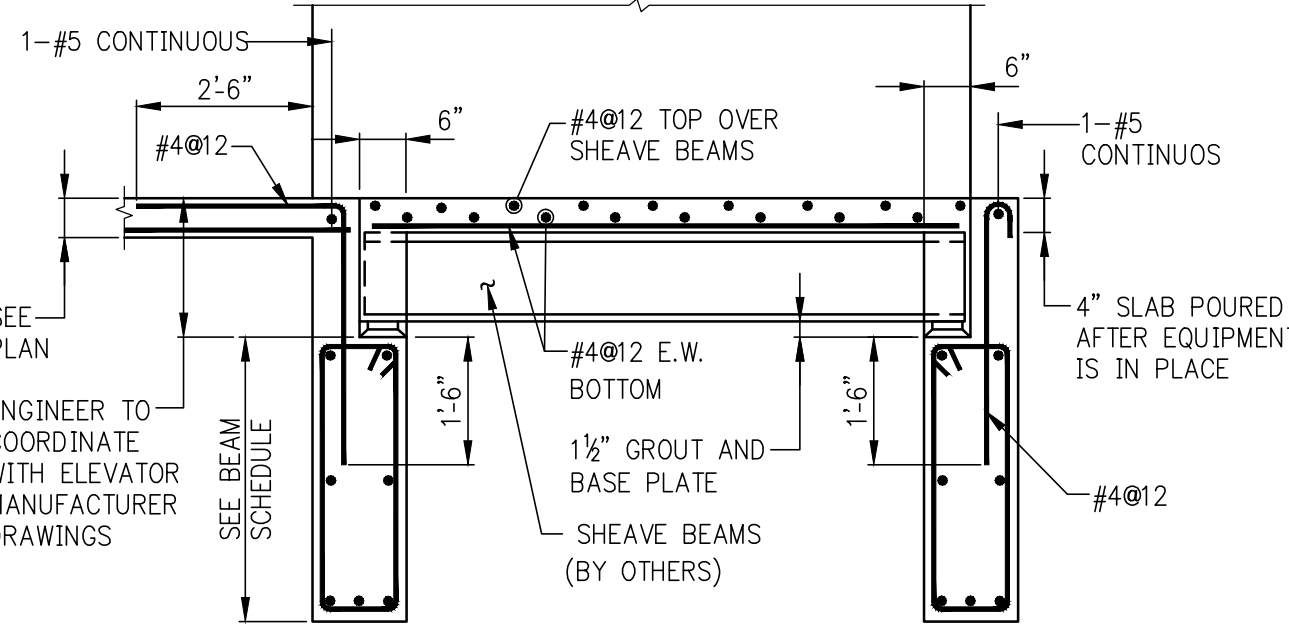
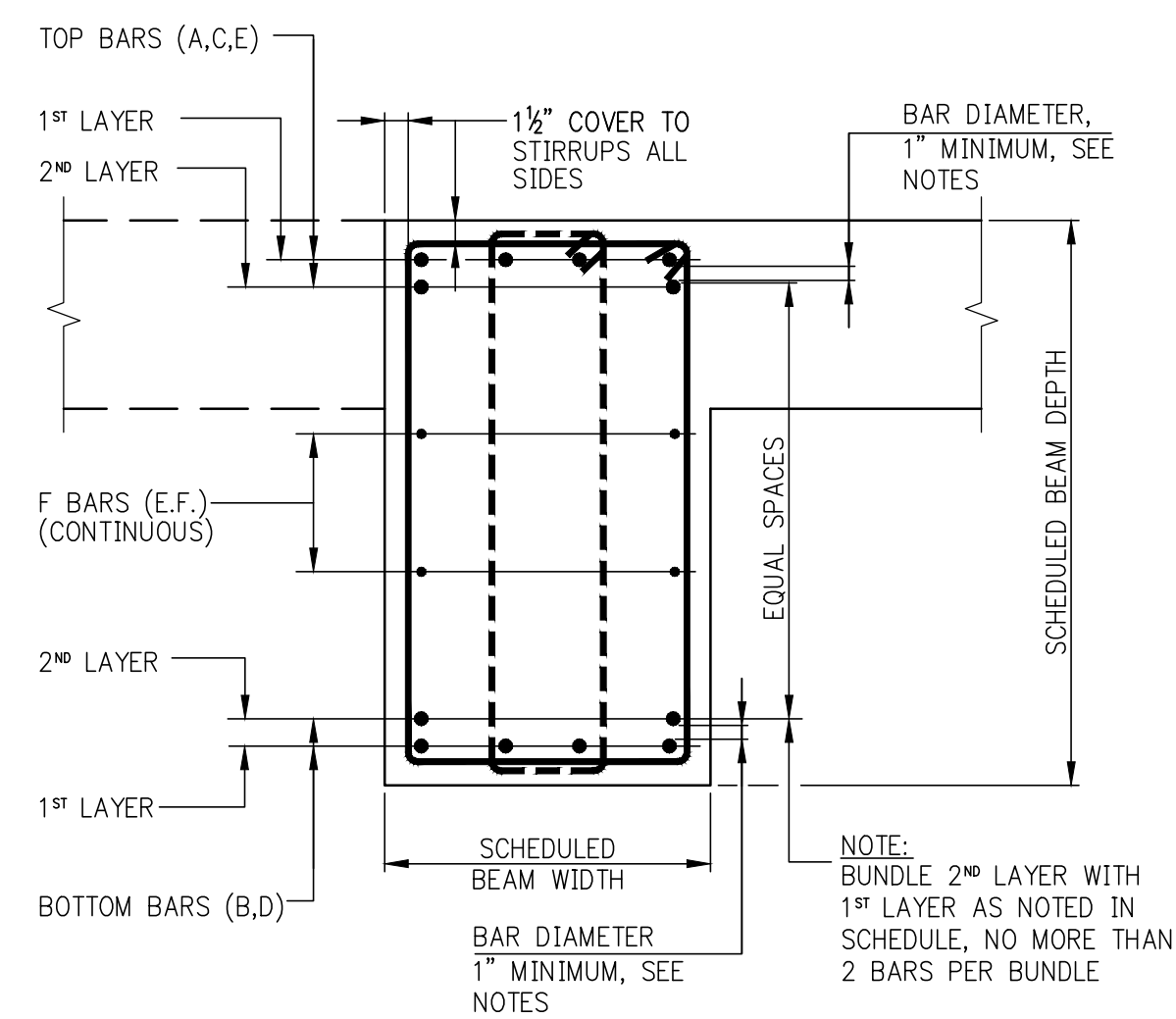
COLUMN 39 REINFORCEMENT DETAILS

NOTE:
1. FOR BALANCE OF INFORMATION & REINFORCEMENT REFER TO TYPICAL WALKING COLUMN DETAILS ON DWG. S-955.



b=BEAM WIDTH	MINIMUM STIRRUPS (AV) (SPACING = S)*	MINIMUM F BARS (AV) (SPACING = S2)*
UP TO 12"	1-#4 @ 12" MAX.	#4 E.F. @ 12" MAX.
12" + TO 24"	2-#4 @ 12" MAX.	#4 E.F. @ 12" MAX.
24" + TO 36"	3-#4 OR 2-#5 @ 12" MAX.	#5 E.F. @ 12" MAX.
36" + TO 42"	2-#5 @ 12" MAX.	#5 E.F. @ 12" MAX.
42" + TO 48"	4-#4 OR 3-#5 @ 12" MAX.	#5 E.F. @ 12" MAX.
OVER 48"	DESIGNER TO PROVIDE	

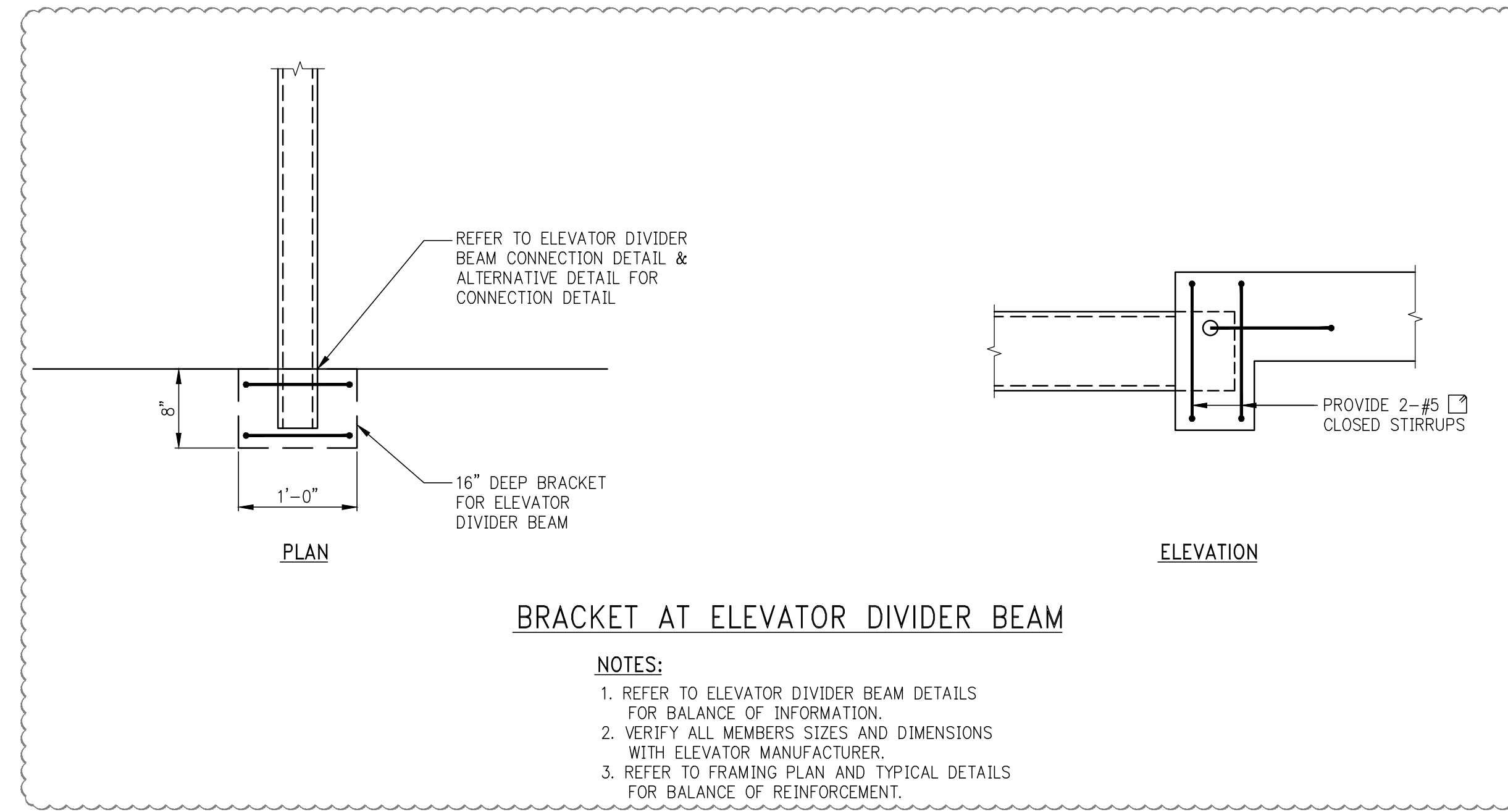
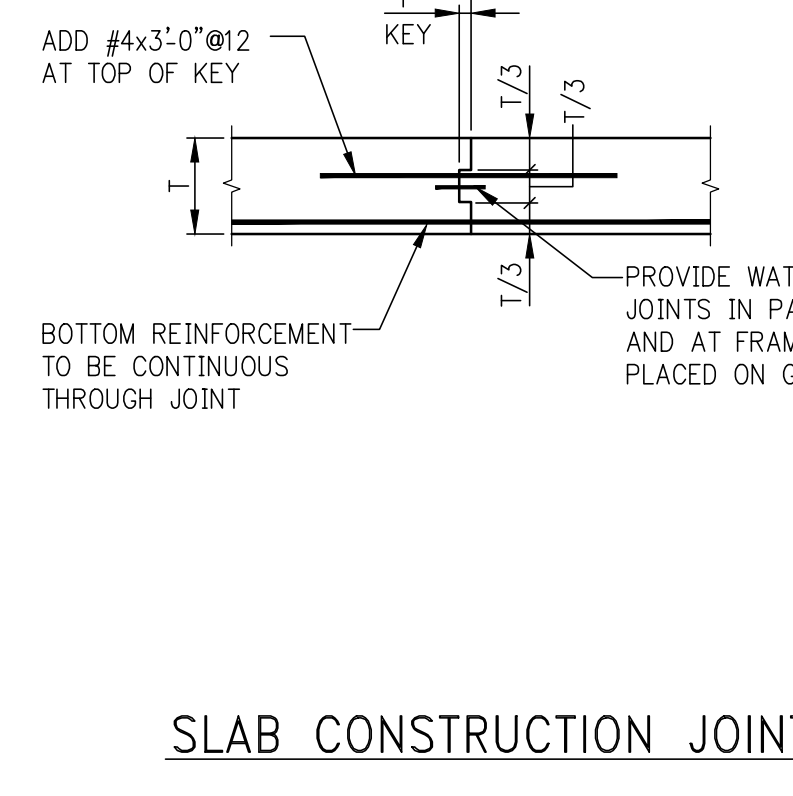
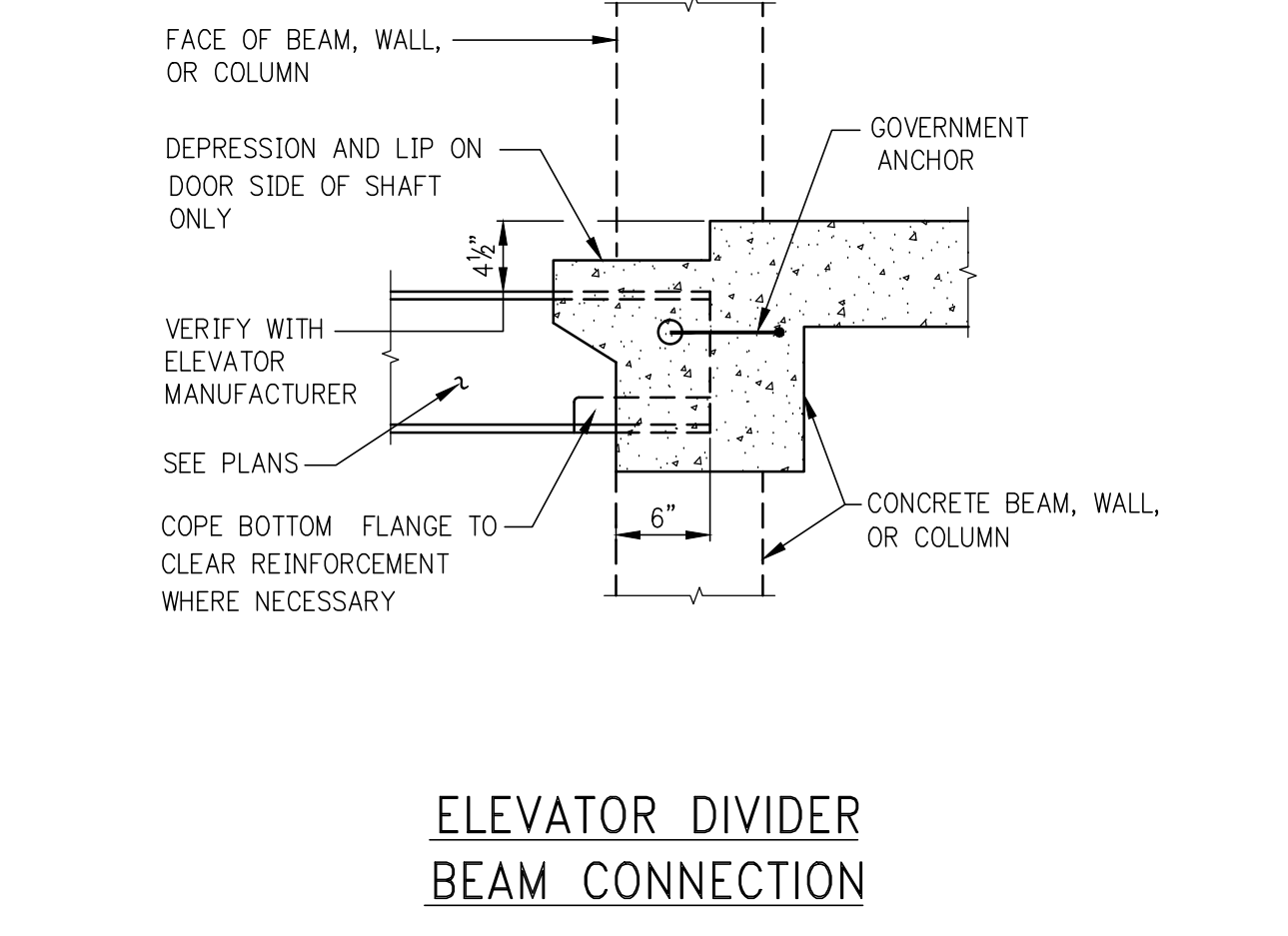
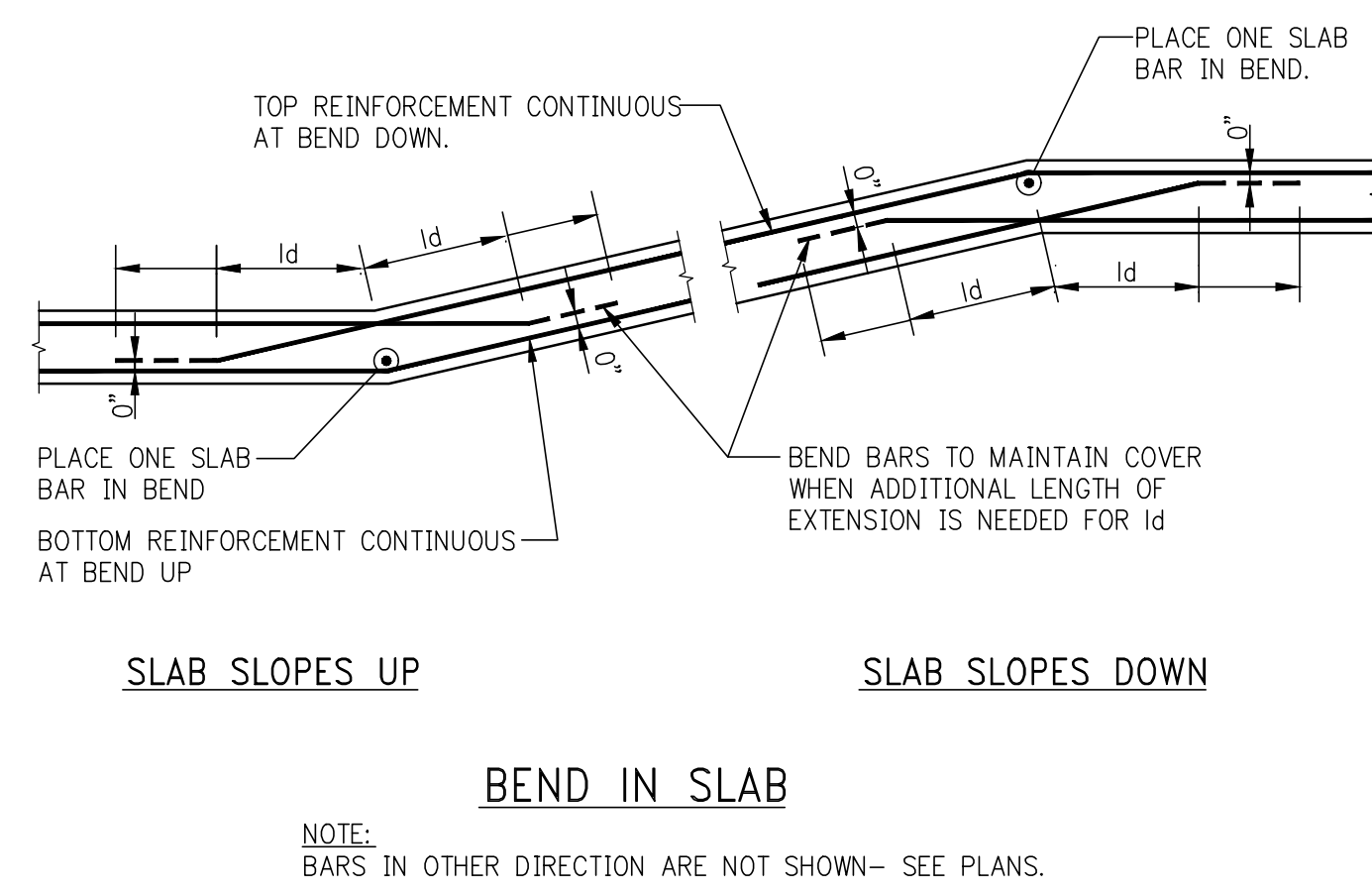
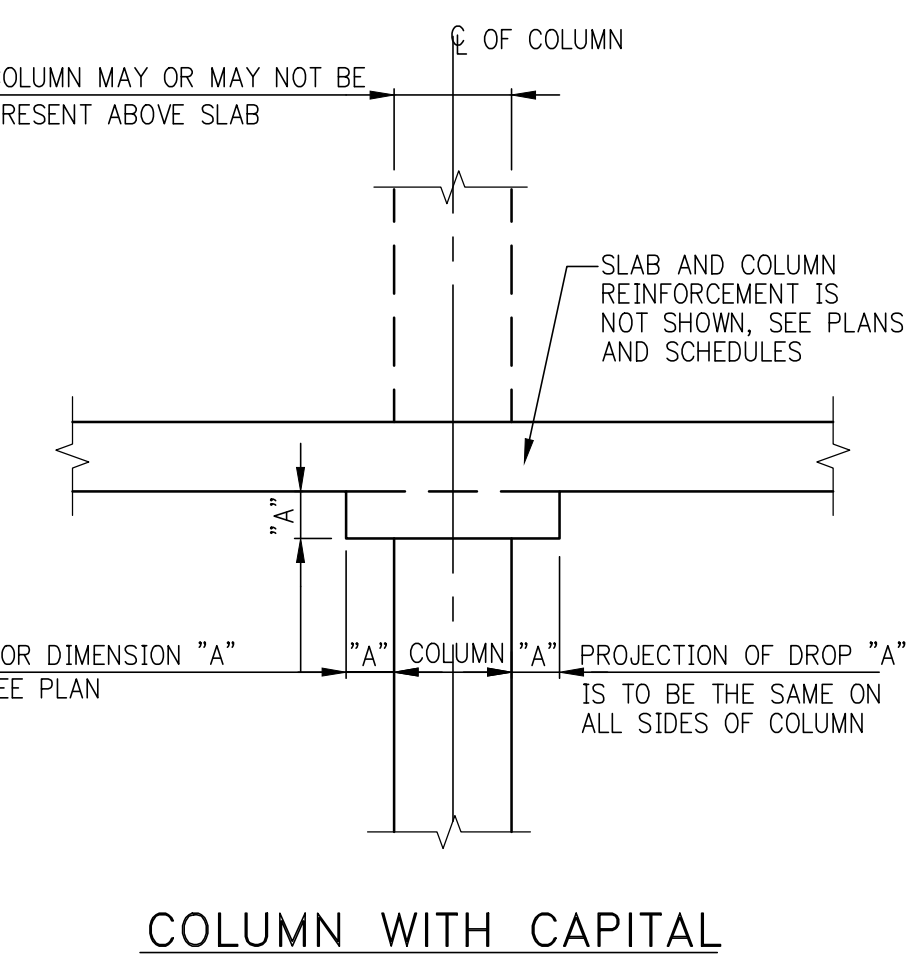
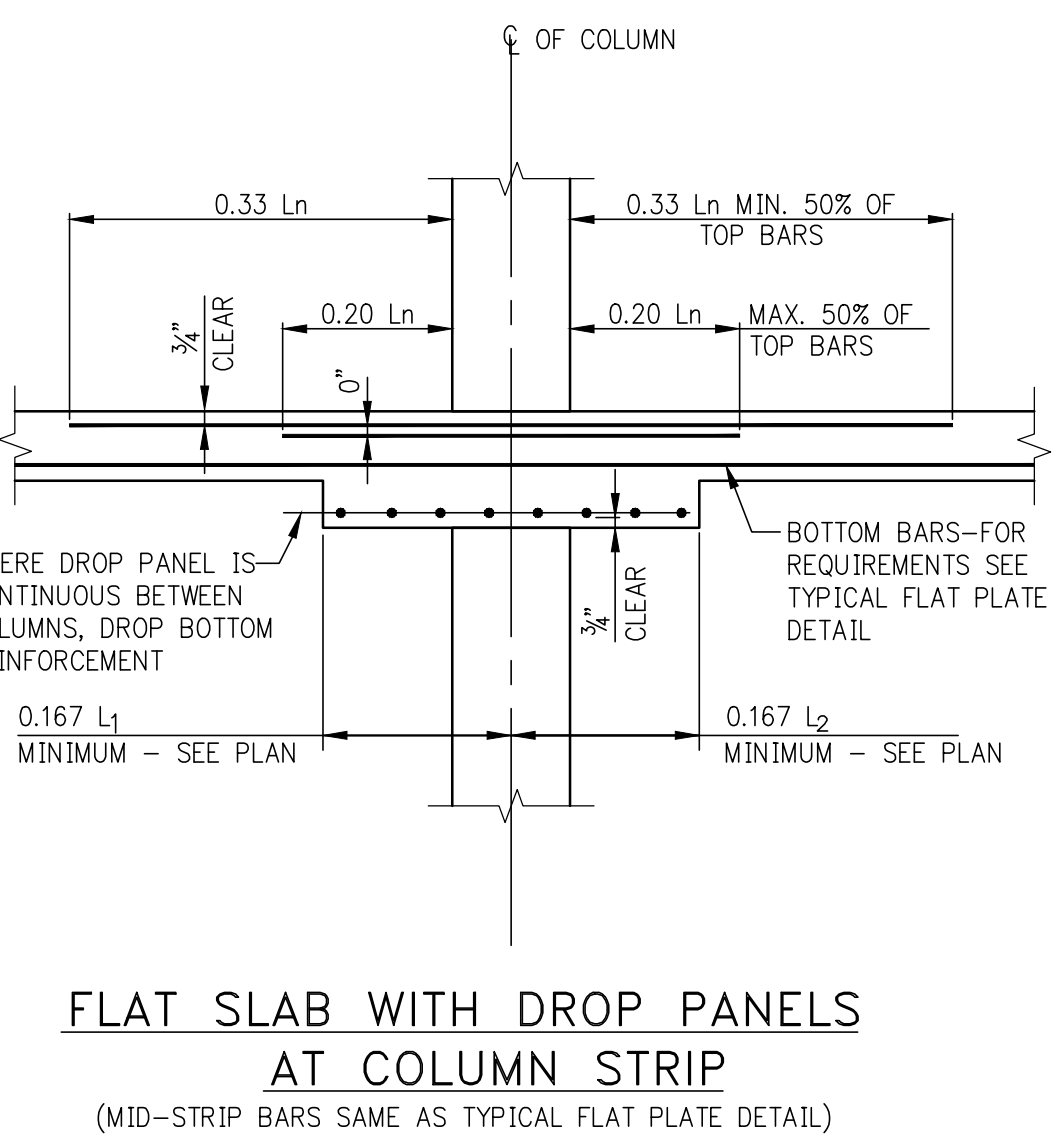
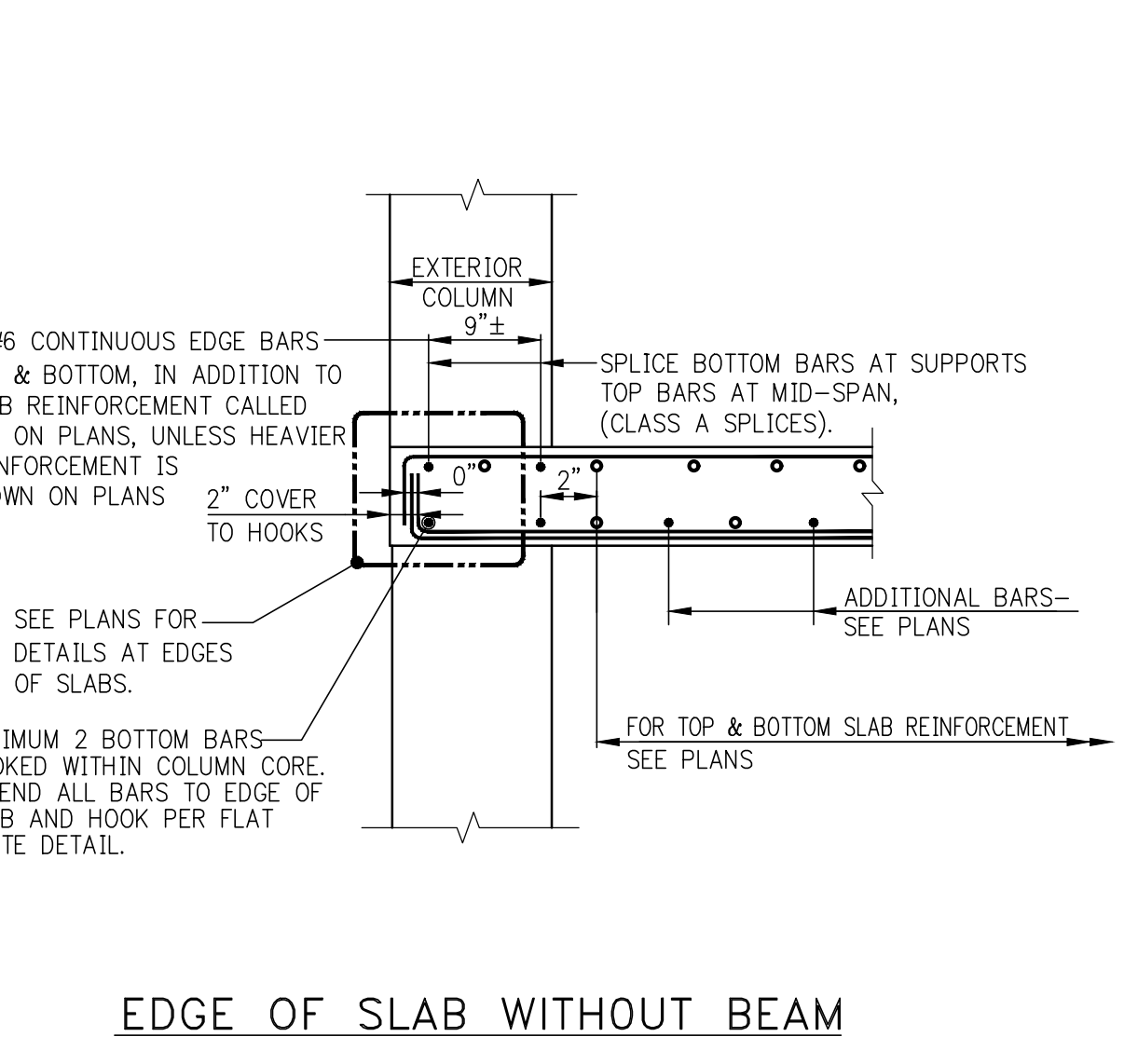
* PER ACI 11.8.4 AND 11.8.5, SPACINGS S AND S2 "SHALL NOT EXCEED D/5, NOR 12 INCHES."



SLEEVE PENETRATIONS THROUGH BEAMS

NOTES:

1. ALL SCHEDULED BEAM REINFORCEMENT (NOT SHOWN) IS TO BE CONTINUOUS
2. NO OPENINGS LARGER THAN 4" (SQUARE OR ROUND) ARE PERMITTED UNLESS SPECIFICALLY INDICATED ON STRUCTURAL PLANS.



KEY PLAN



10	06/02/2017	DOB SUBMISSION
9	04/14/2017	ISSUED FOR CONSTRUCTION
8	12/02/2016	80% CD
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3	01/20/2015	100% CD
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1	03/06/2015	DOB FLING

Number: Date: Revision:

OWNER:

GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:

RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:

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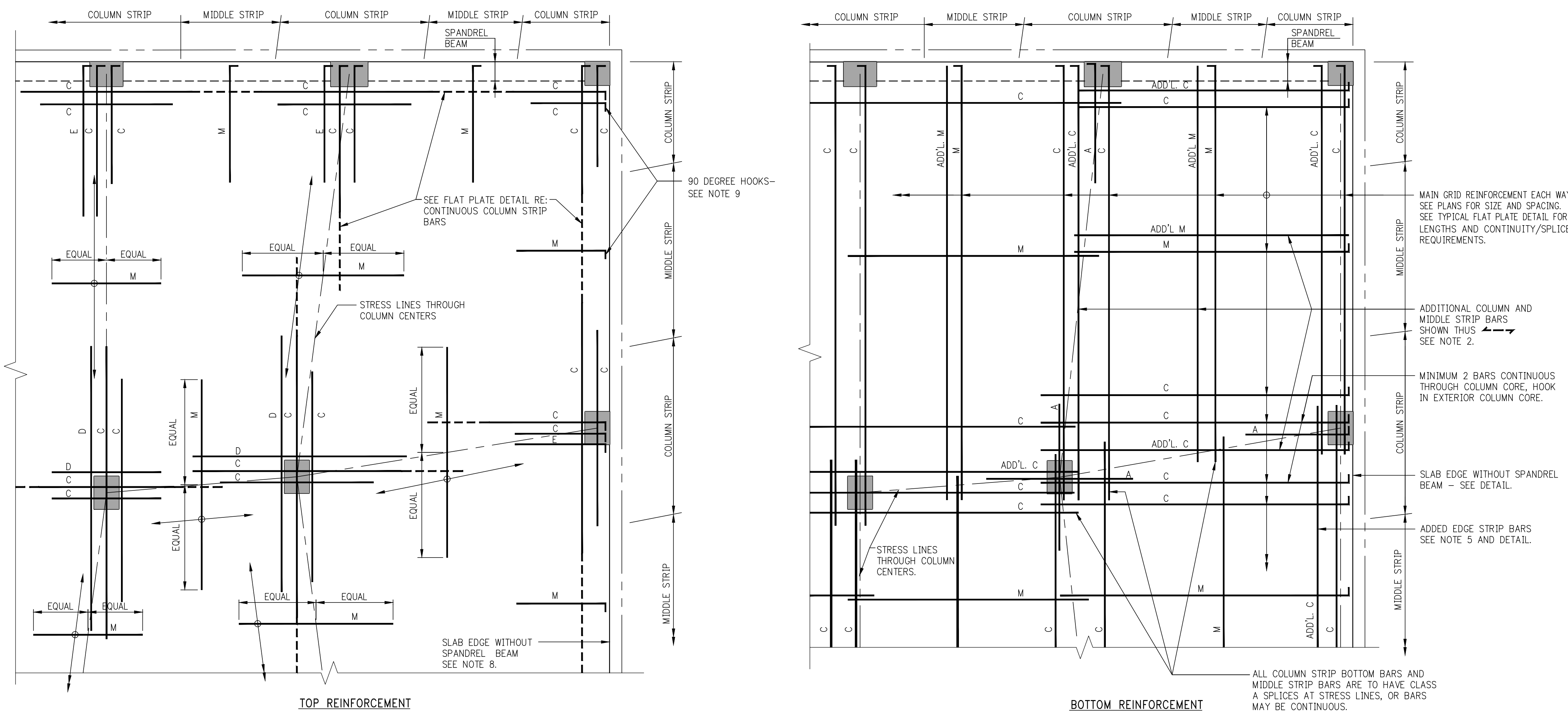
Victor Dapa
APPROVED
Under Executive eiff 1975
EXPERIENCE/EXPERIMENTATION
Date: 03/09/2018
NYC Development Hub

DWG TITLE:

TYPICAL SUPERSTRUCTURE DETAILS 1
NB#XXXXXXXX

SEAL & SIGNATURE:

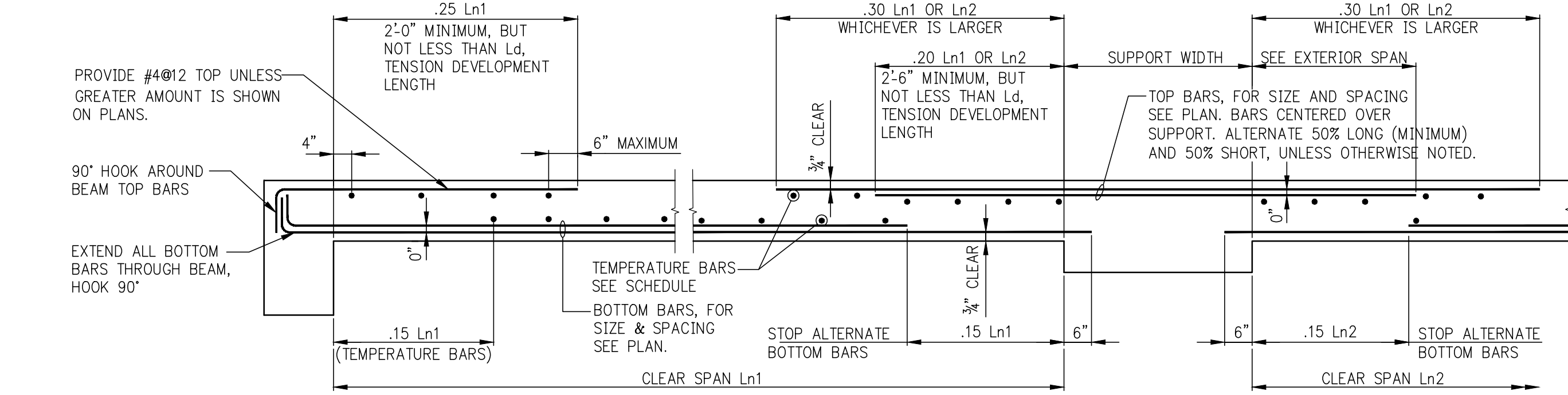
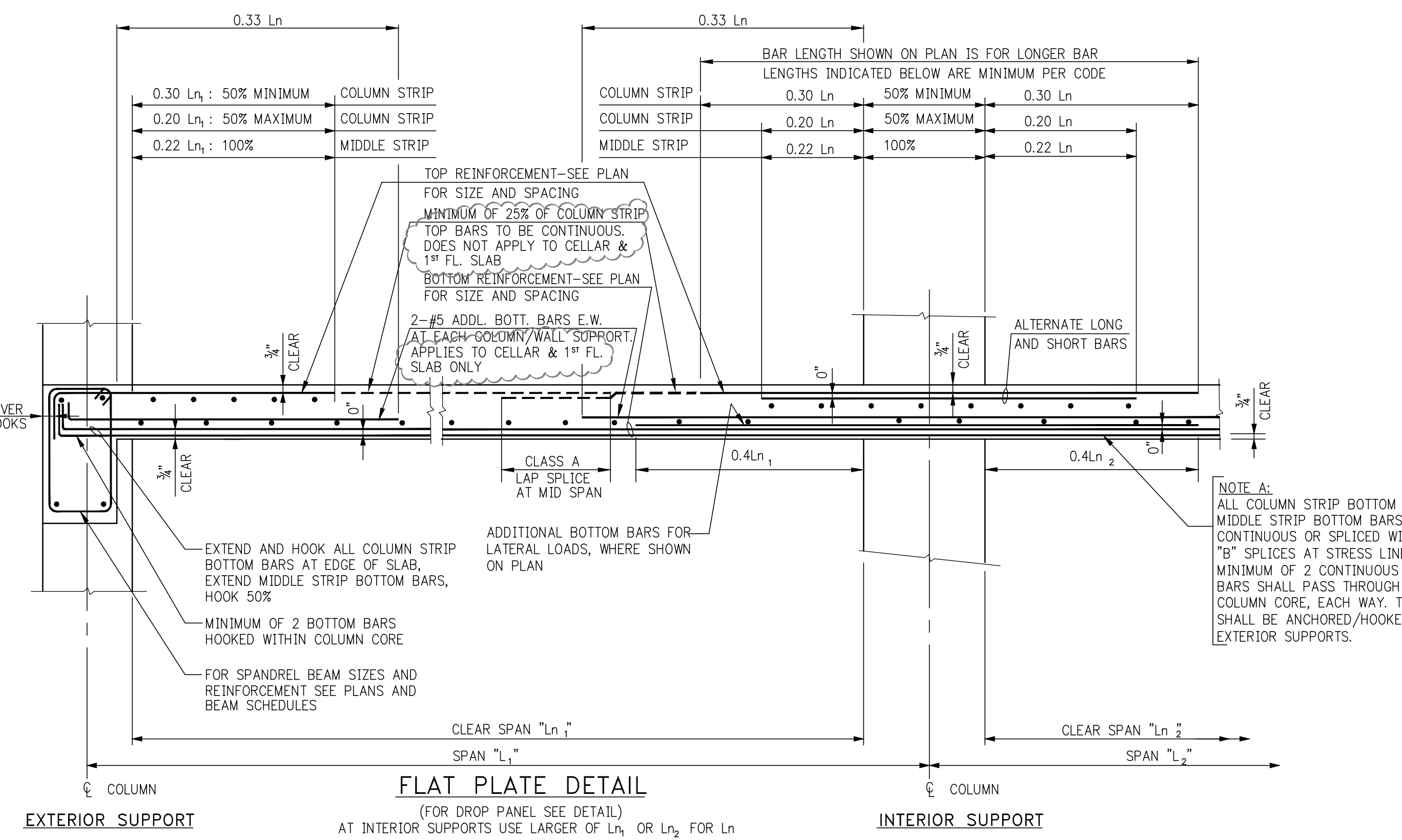
DATE: 01/31/2015
PROJECT #: 180104
SCALE: AS NOTED
S-960.00
DWG NO.



- NOTES FOR TOP REINFORCEMENT**
1. 'C' DENOTES COLUMN STRIP BARS (LONG AND SHORT BARS ARE ALTERNATED). 'M' DENOTES MIDDLE STRIP BARS.
 2. FOR SIZE, SPACING, NUMBER, ETC. OF REINFORCING BARS, SEE FRAMING PLANS.
 3. WHERE COLUMN STRIP BAR LENGTHS ARE SHOWN ON FRAMING PLANS THEY ARE FOR LONGER BARS, WHICH ARE TO BE ALTERNATED WITH SHORTER BARS. SEE TYPICAL FLAT PLATE DETAIL.
 4. COLUMN STRIP BARS ARE TO BE CENTERED OVER COLUMNS UNLESS OTHERWISE INDICATED ON PLANS PROVIDED ADD'L.
 5. MIDDLE STRIP BARS ARE TO BE CENTERED OVER STRESS LINES UNLESS OTHERWISE INDICATED ON PLANS.
 6. MIDDLE STRIP BARS ARE TO BE SPACED AS SHOWN ON PLANS. FIRST BAR IS TO BE LOCATED A DISTANCE FROM LAST COLUMN STRIP BAR NOT TO EXCEED MIDDLE STRIP BAR SPACING.
 7. COLUMN STRIP BARS PARALLEL TO SPANDREL BEAMS ARE TO HAVE FIRST BAR LOCATED AT ONE-HALF SCHEDULED SPACING FROM INSIDE FACE OF BEAM, SIX INCHES MAXIMUM.
 8. AT SLAB EDGES WITHOUT SPANDREL BEAMS, SEE TYPICAL DETAIL FOR ADDITIONAL CONTINUOUS EDGE BARS AND FOR COLUMN STRIP BAR PLACEMENT PARALLEL TO SLAB EDGE.
 9. PROVIDE 90 DEGREE HOOK AT EVERY DISCONTINUOUS TOP BAR, COLUMN AND MIDDLE STRIPS, AT EDGE OF SLAB, WITH OR WITHOUT SPANDREL BEAMS (2" CLEAR COVER TO HOOK).
 10. 'D' AND 'E' DENOTES 2-#6 ADD'L TOP OVER COLUMNS FROM 10TH FLOOR & UP U.O.N.

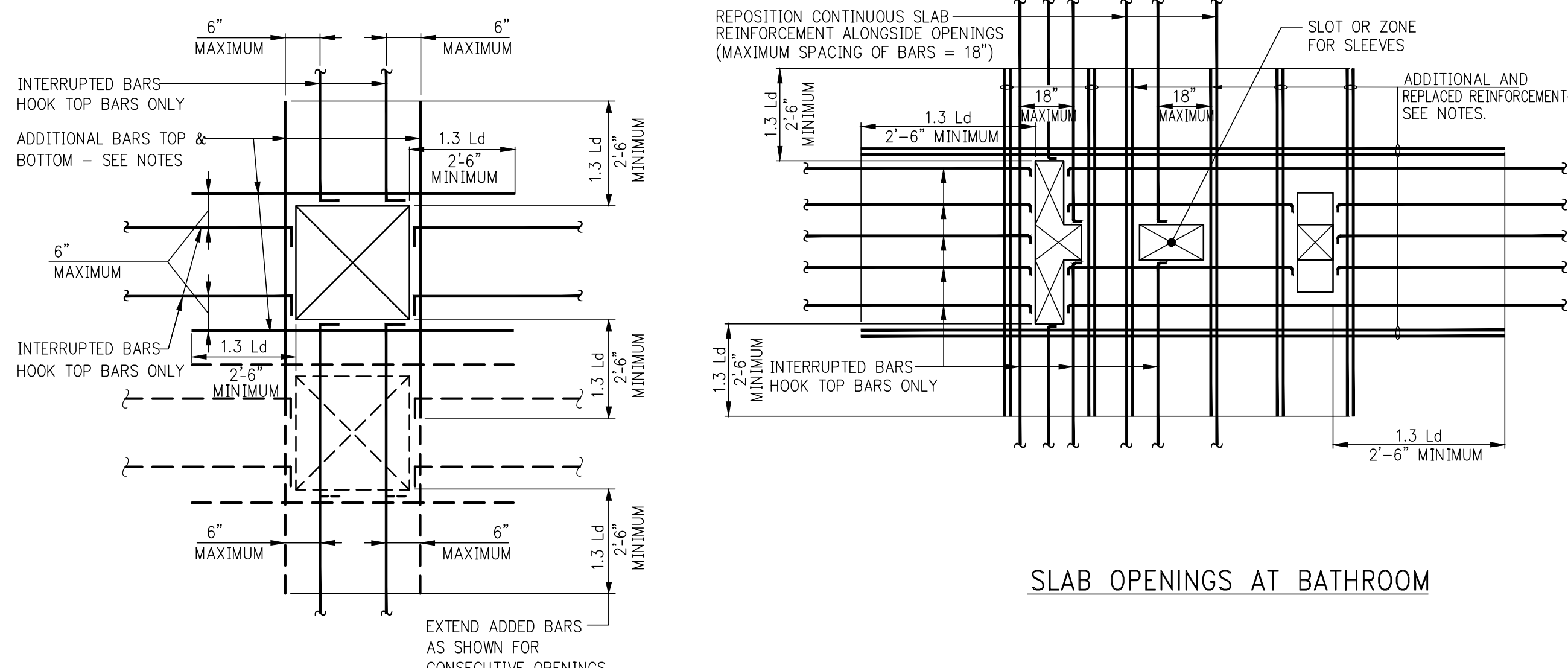
BAR LENGTH EXTENSIONS REQUIRED AT EPOXY COATED REINFORCEMENT (WHERE SPECIFIED ON PLANS)	
1.	TO REINFORCING BAR LENGTHS SHOWN ON PLAN OR AS DETERMINED FROM TYPICAL DETAILS, ADD AN ADDITIONAL LENGTH AT EACH END (EXCEPT AT HOOKED BARS) EQUAL TO 50% OF 'L _{de} ', BAR DEVELOPMENT LENGTH FOR SLABS. SEE TABLE.
2.	DEVELOPMENT LENGTHS 'L _{de} ' AND LAP SPICE LENGTHS SHOWN ARE TO BE INCREASED BY 50% OVER VALUES FOR UNCOATED BARS.

FLAT SLAB REINFORCEMENT DETAILS



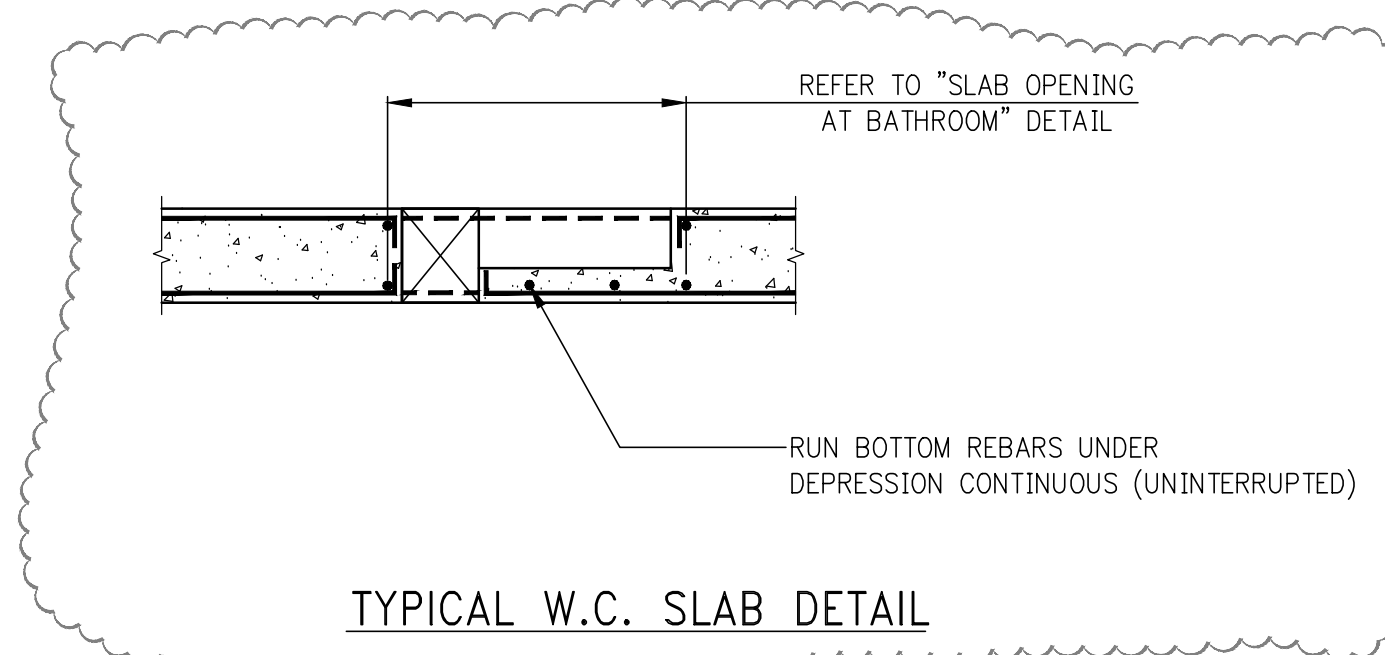
MINIMUM TEMPERATURE REINFORCEMENT ONE WAY SLABS	
SLAB THICKNESS	MIN. TEMPERATURE REINFORCEMENT
UP TO 6"	#4@8
6" + TO 7"	#4@6
7" + TO 8"	#4@4
8" + TO 9"	#4@2
9" + TO 10"	#4@10 OR #5@15
10" + TO 12"	#4@9 OR #5@14
12" + TO 14"	#4@8 OR #5@12
14" + TO 16"	#5@10
OVER 16"	BY DESIGNER

ONE WAY CONCRETE SLAB



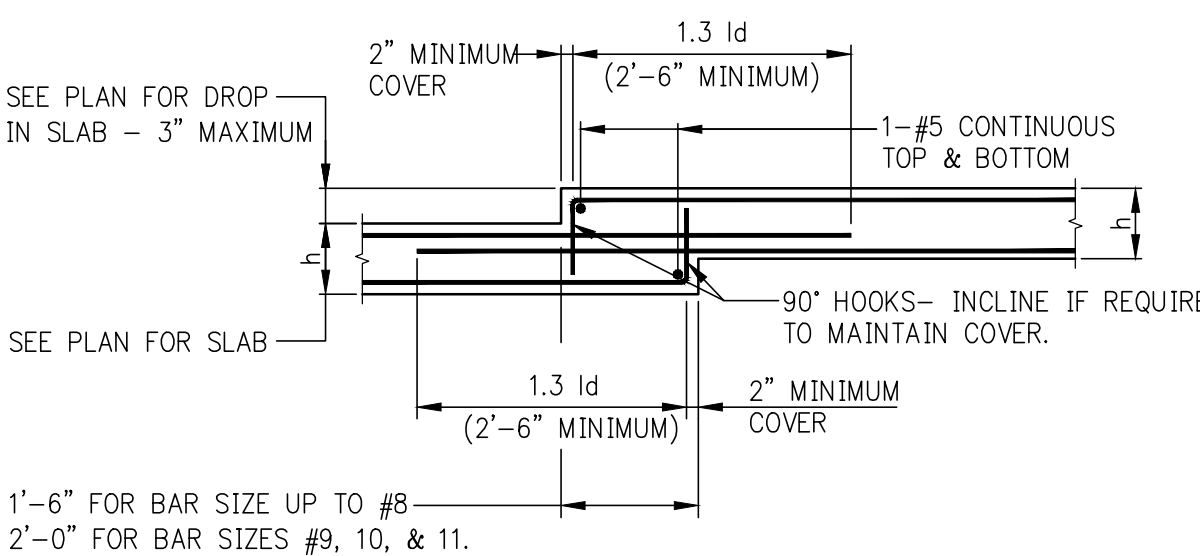
ADDED REINFORCEMENT AT OPENINGS IN FLOOR SLAB

- NOTES:**
1. ADDITIONAL BARS EQUAL IN AREA TO AREA OF REINFORCEMENT INTERRUPTED BY OPENINGS SHALL BE PLACED ALONGSIDE OPENINGS, ONE HALF ON EACH SIDE (#5 MINIMUM DIAMETER), TOP AND BOTTOM.
 2. ADD 1-#5 TOP AND BOTTOM EACH SIDE OF OPENING, ADDITIONAL TO REPLACEMENT BARS.
 3. WHERE OPENINGS ARE NEAR OR AGAINST EXTERIOR BEAMS OR COLUMNS AND ADDED REINFORCEMENT CAN NOT BE EXTENDED AS SHOWN, HOOK EXTERIOR END.
 4. AT OPENINGS SMALLER THAN THE SLAB THICKNESS (10" MAXIMUM), NO ADDITIONAL REINFORCEMENT IS REQUIRED, PLACE NORMAL REINFORCEMENT ALONGSIDE OPENING.
 5. L_d = TENSION DEVELOPMENT LENGTH, SEE TABLES.

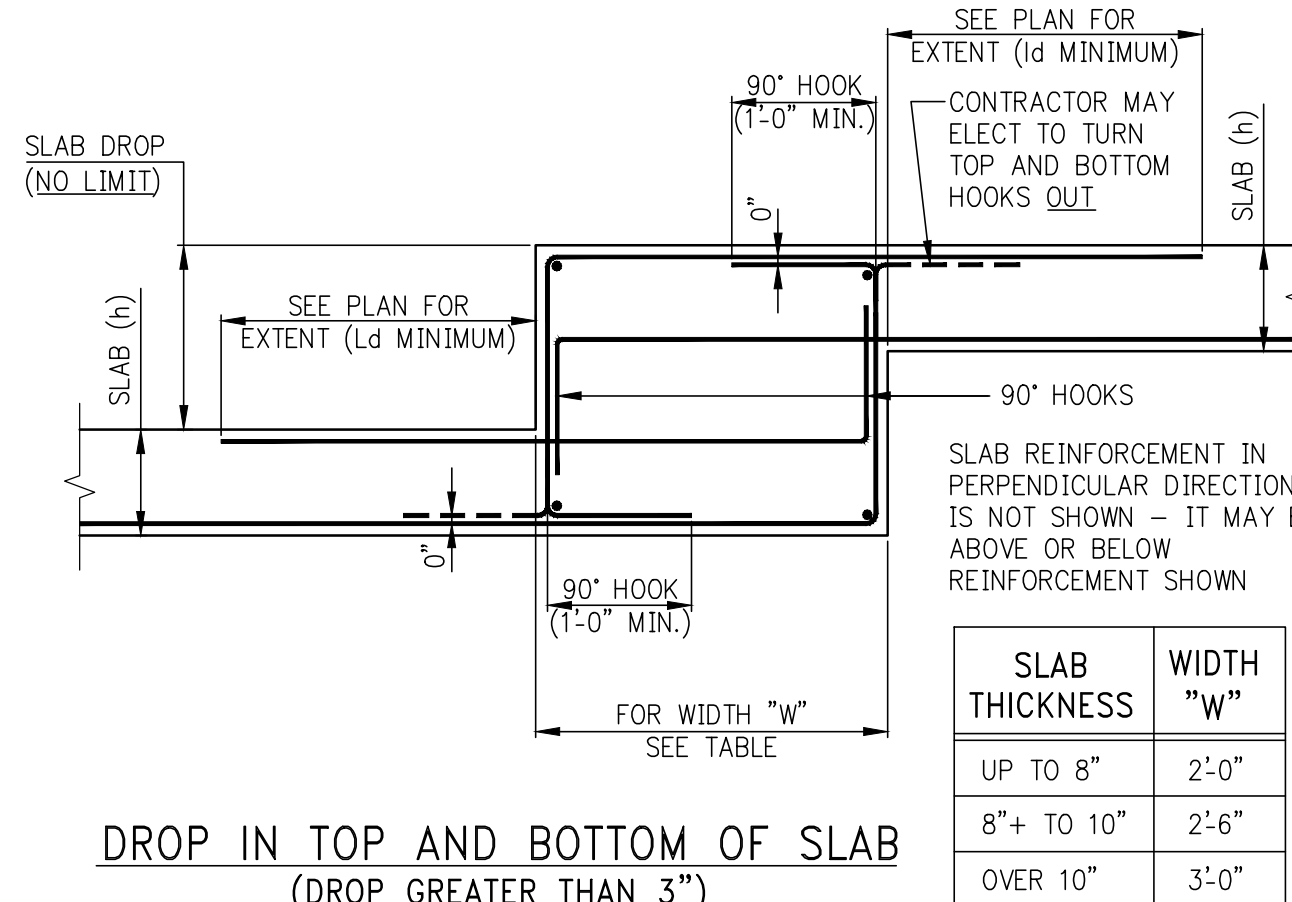


PLUMBING OPENING (SLOT) IN SLAB

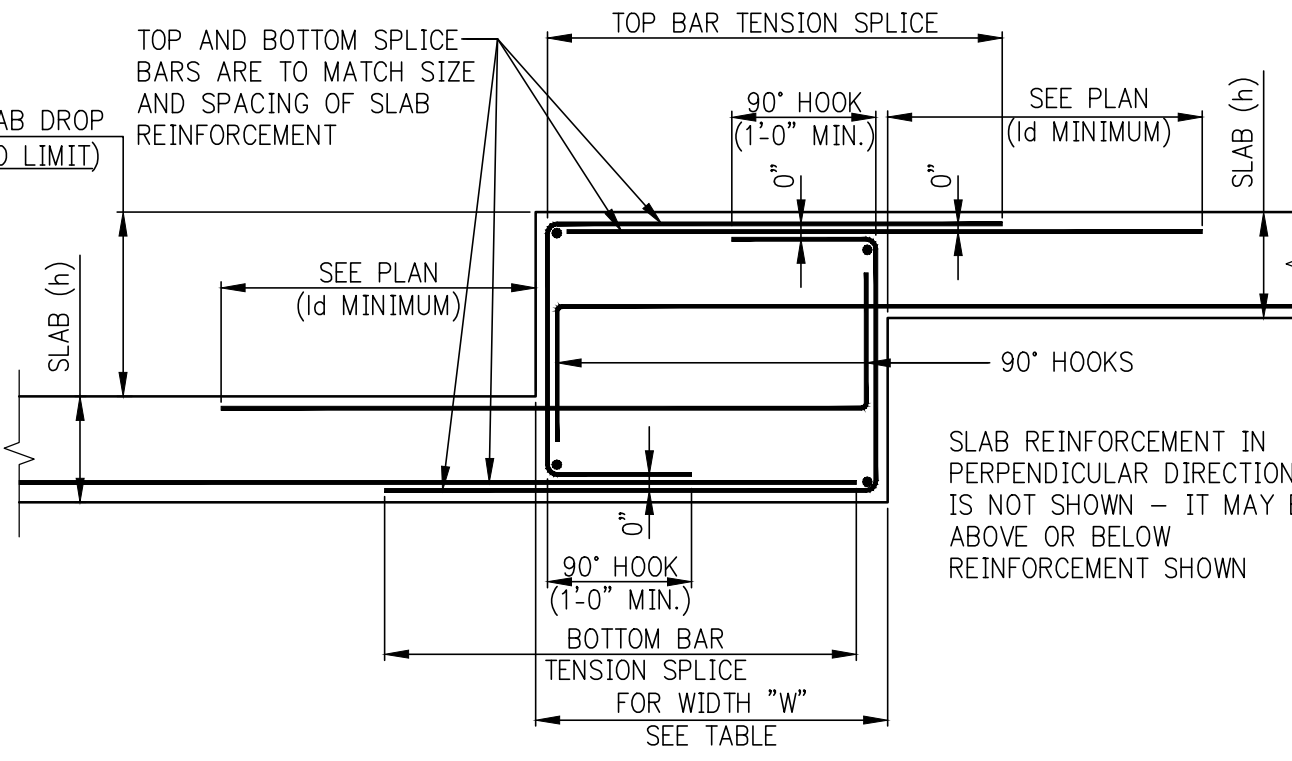
- NOTES:**
1. FOR LOCATIONS AND DIMENSIONS OF PLUMBING OPENINGS SEE MECHANICAL AND/OR ARCHITECTURAL DRAWINGS.
 2. FILL ALL OPENINGS WITH CONCRETE AFTER PIPING HAS BEEN INSTALLED.
 3. FOR SLAB REINFORCEMENT DETAILS ALONGSIDE OPENINGS SEE DETAIL OF "ADDED REINFORCEMENT AT OPENINGS IN FLOOR SLAB".
 4. MINIMUM REQUIREMENTS ARE SHOWN IN THESE DETAILS. SEE PLAN FOR ADDITIONAL REQUIREMENTS.



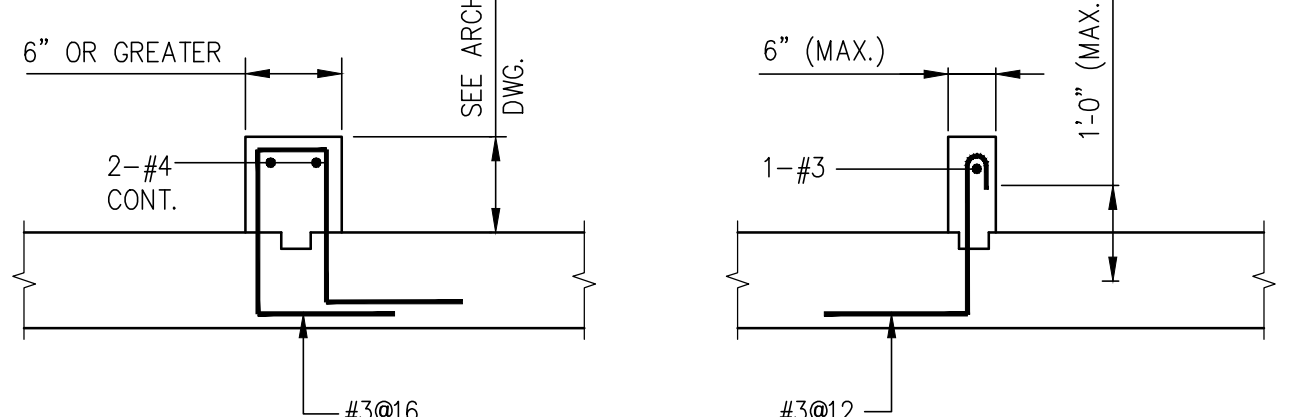
DROP IN TOP AND BOTTOM OF SLAB (MAXIMUM DROP = 3")



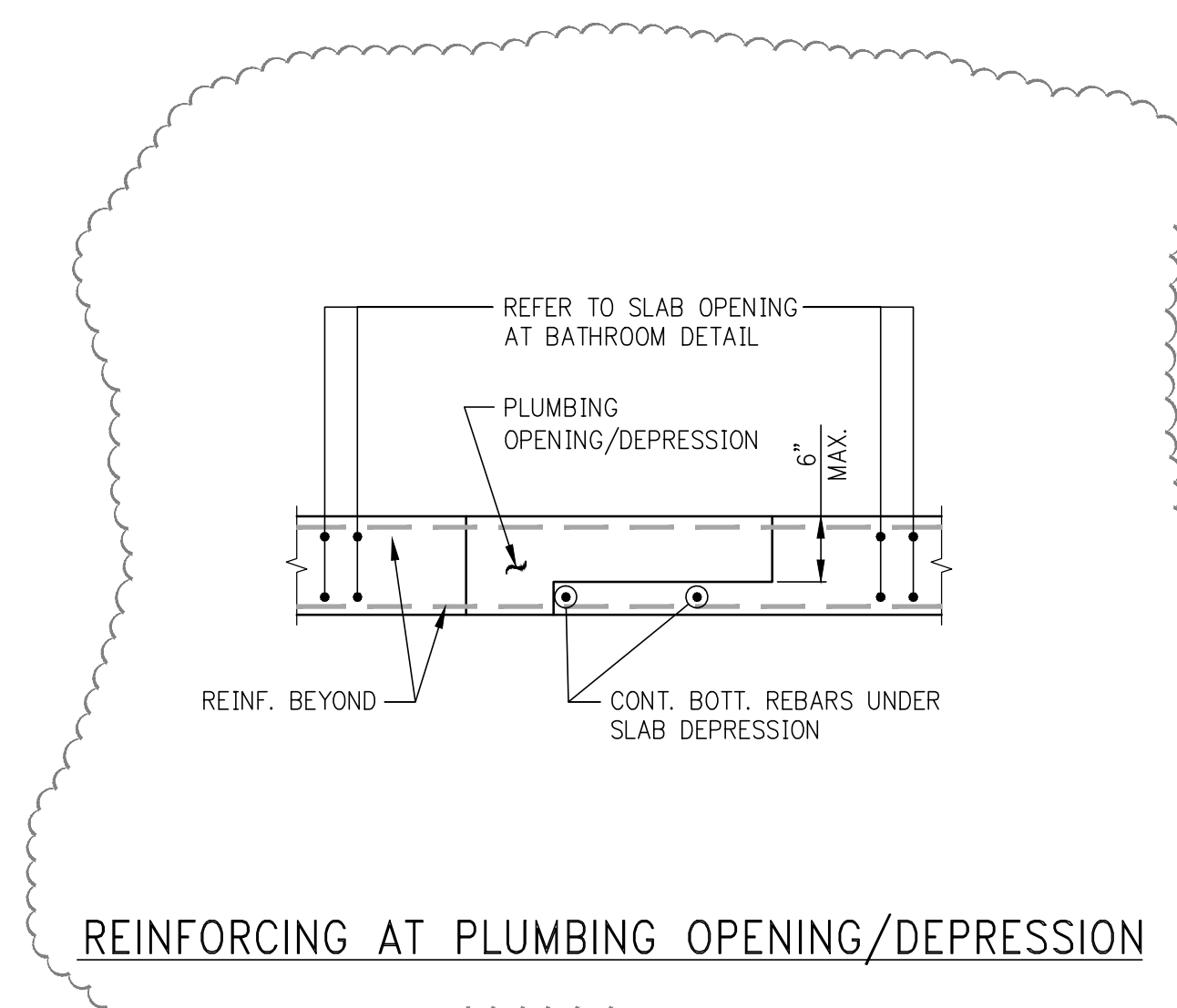
DROP IN TOP AND BOTTOM OF SLAB (DROP GREATER THAN 3")



ALTERNATIVE DROP IN TOP AND BOTTOM OF SLAB USING SPLICE BARS (DROP GREATER THAN 3")



TYPICAL CONCRETE CURB DETAILS



REINFORCING AT PLUMBING OPENING/DEPRESSION

10	06/02/2017	DOB SUBMISSION
9	04/14/2017	ISSUED FOR CONSTRUCTION
8	12/02/2016	80% CD
7	10/05/2016	80% CD UPDATED SET
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5	04/15/2016	SUPERSTRUCTURE AWARD SET
4	07/31/2015	DOB SUBMISSION
3	07/20/2015	100% CD
2	03/20/2015	80% CD
1	03/06/2015	DOB FLING

Number	Date	Revision
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OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

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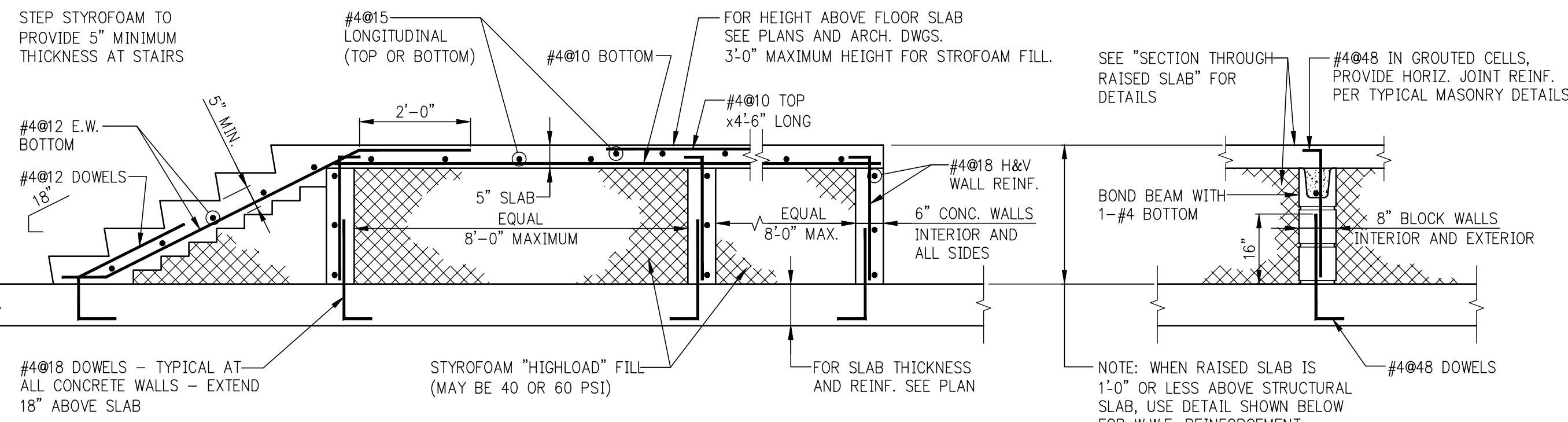
MEP/P ENGINEER:
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DOB STAMPS & SIGNATURES:



DWG TITLE:
TYPICAL SUPERSTRUCTURE
DETAILS 2
NB#XXXXXXXX

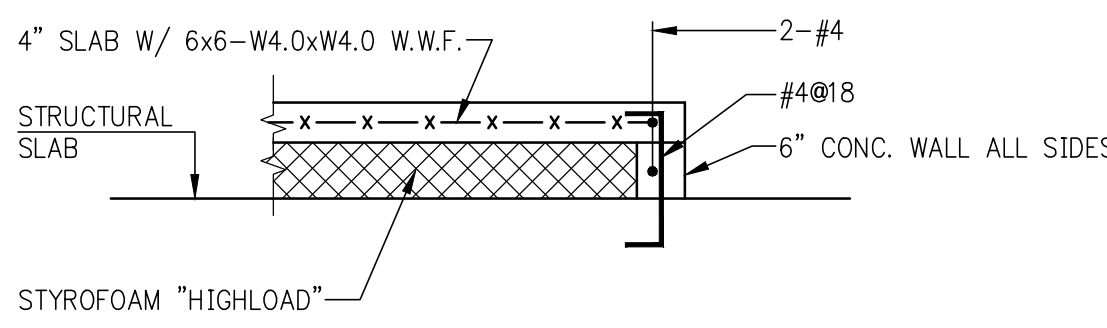
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DATE: 07/31/2015
PROJECT #: 180104
SCALE: AS NOTED
S-961.00
DWG NO.



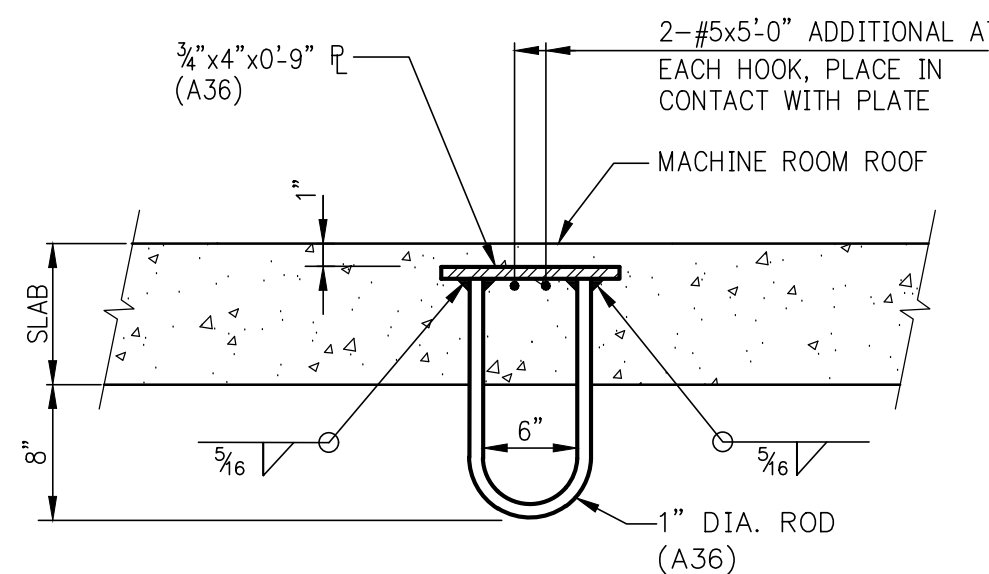
SECTION THROUGH RAISED SLAB FORMED WITH STYROFOAM

- NOTES:
- FOR STAIR TREADS, RISERS, AND WIDTH SEE ARCH. DWGS.
 - WHEN REQUIRED HEIGHT OF RAISED SLAB EXCEEDS 3'-0" USE STEEL DECK FORMS ALTERNATIVE. (STEEL DECK FORMED SLABS HAVE NO HEIGHT RESTRICTIONS, MINIMUM OR MAXIMUM)

RAISED SLAB - ALTERNATIVE SUPPORTING WALL

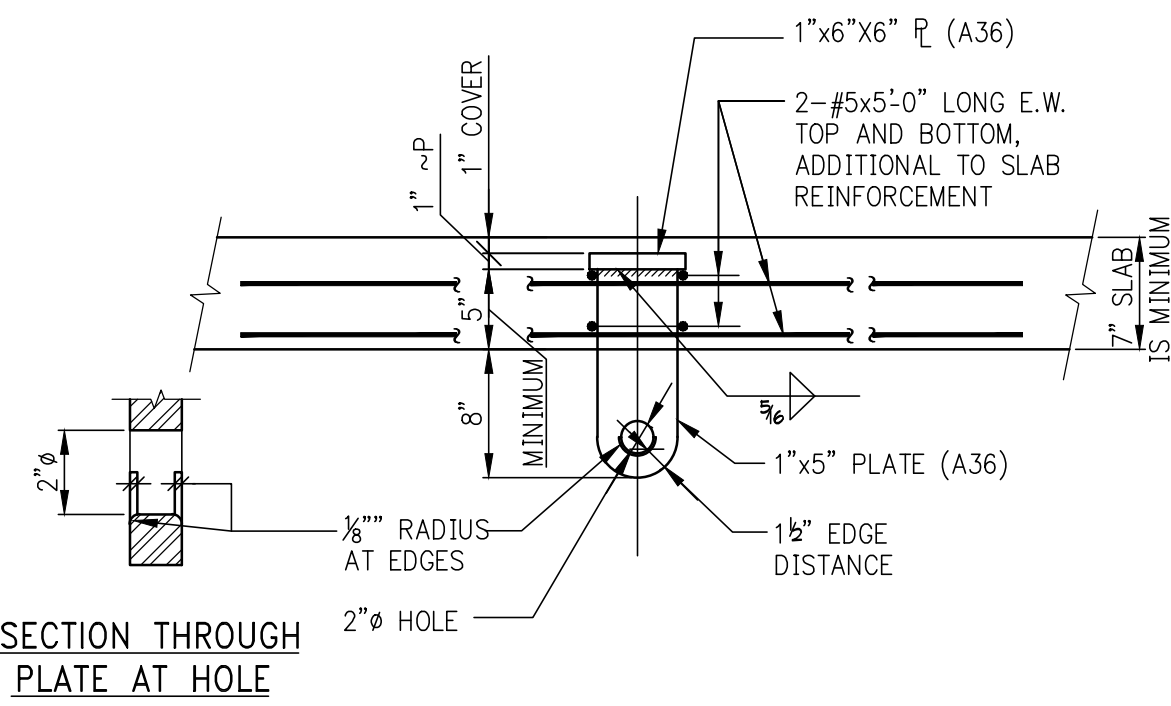


RAISED SLAB - 1'-0" OR LESS IN HEIGHT ABOVE STRUCTURAL SLAB



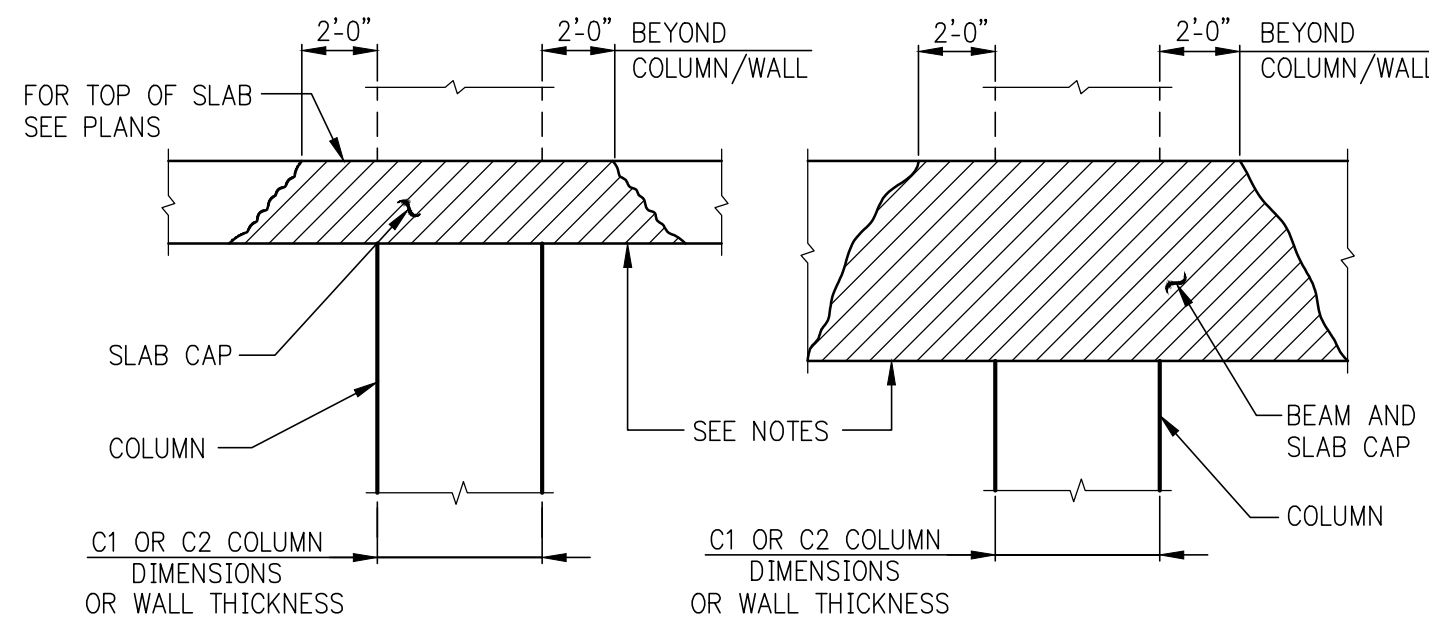
LIFTING HOOK AT ELEVATOR

- MAXIMUM SERVICE LOAD LIFTING CAPACITY = 2,000 POUNDS.
FOR HEAVIER LOADS A SOLID PLATE WITH HOLE MUST BE PROVIDED.



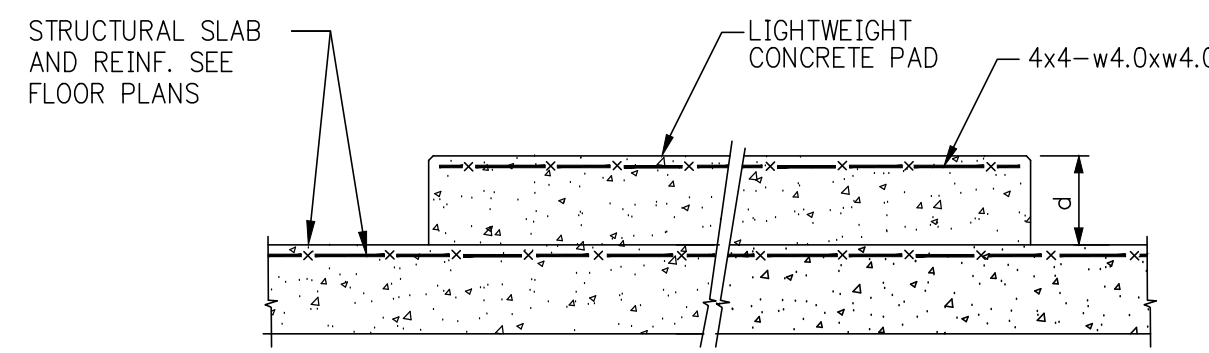
HEAVY LIFTING "PADEYE" PLATE AT ELEVATOR

- MAXIMUM SERVICE LOAD LIFTING CAPACITY = 12,000 POUNDS.
- NOTES:
- SLAB REINFORCEMENT IS NOT SHOWN.
 - PLACE ADDITIONAL #5 BOTTOM BARS IN THE SAME PLANE(S) AS SLAB BOTTOM REINFORCEMENT.



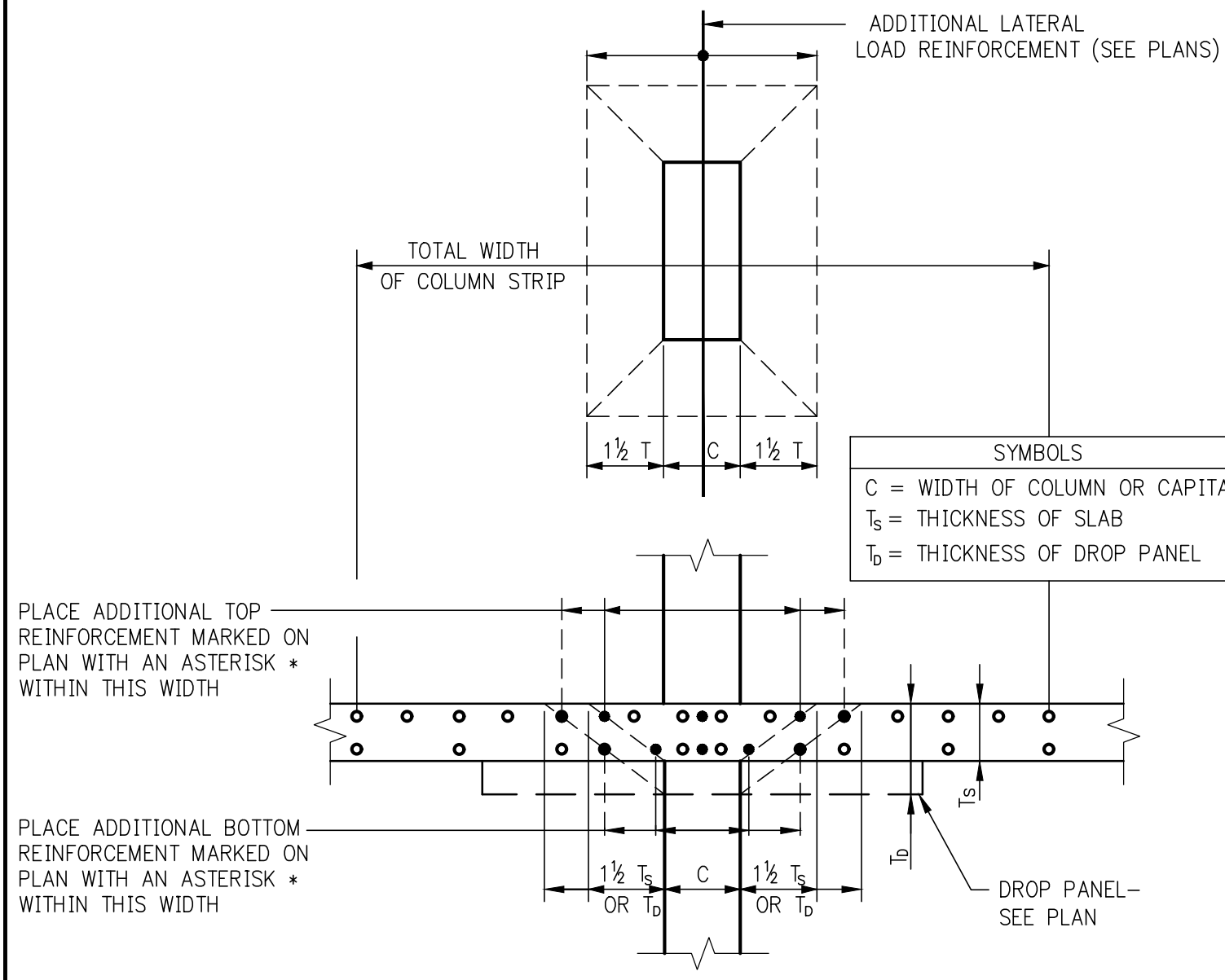
BEAM AND SLAB CONCRETE PLACEMENT AT HIGH STRENGTH CONCRETE COLUMN OR WALL

- NOTES:
- CAP SHALL BE NORMAL-WEIGHT STONE CONCRETE, W/ A MINIMUM COMPRESSIVE STRENGTH OF $f'_c=8700psi$. CAP SHALL EXTEND BEYOND COLUMN/WALL IN ALL DIRECTIONS AS SHOWN ABOVE.
 - CAP CONCRETE SHALL NOT BE PLACED OVER THE COLUMN/WALL UNTIL COLUMN/WALL CONCRETE IS NO LONGER PLASTIC, BUT IN NO CASE LESS THAN TWO HOURS AFTER COLUMN/WALL CONCRETE PLACEMENT HAS BEEN COMPLETED.
 - 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.
 - IN LIEU OF PLACING TWO DIFFERENT STRENGTHS OF 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.
 - 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 BALANCE OF THE FLOOR SYSTEM.



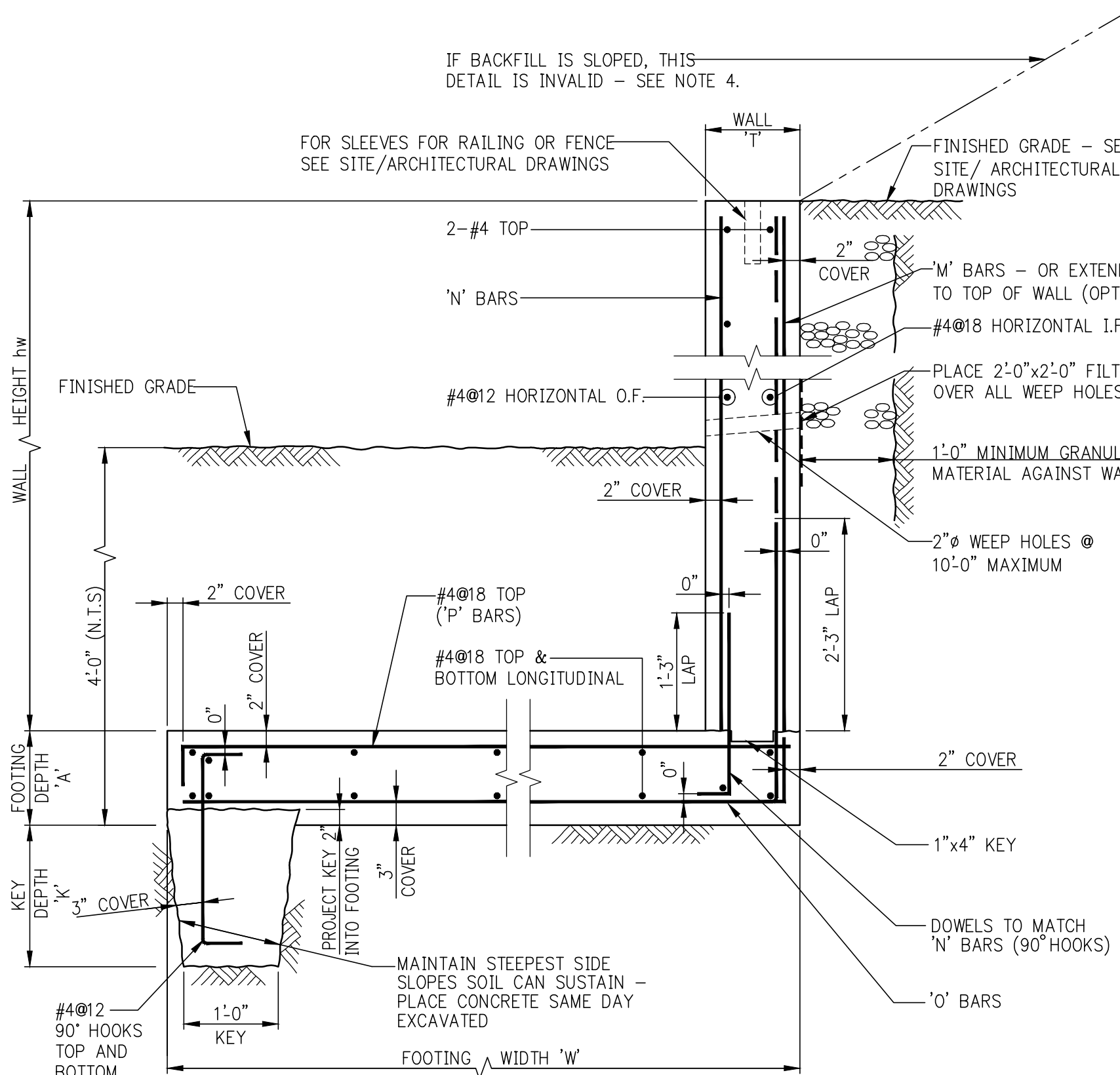
TYPICAL CONCRETE PAD DETAIL

- NOTE:
- FOR PAD EXTENT, DEPTH AND LOCATION SEE ARCH. & MECH. DWGS.



ADDITIONAL COLUMN STRIP REINFORCEMENT DUE TO LATERAL LOAD (WIND OR SEISMIC)

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

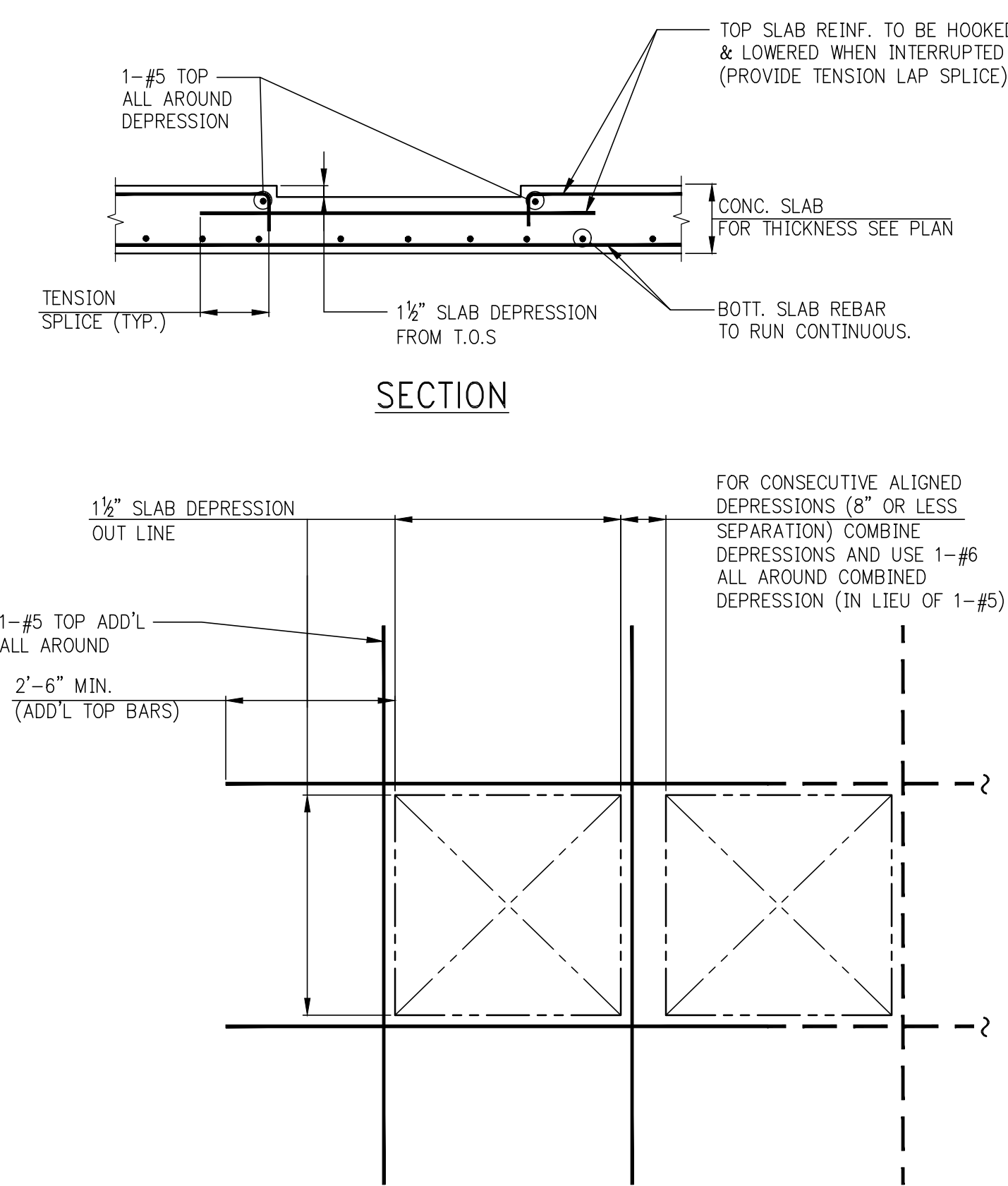


'J' SHAPED RETAINING WALL

1. SEE RETAINING WALL NOTES
2. SEE SCHEDULE FOR DIMENSIONS AND REINFORCEMENT.

'J' SHAPED RETAINING WALL SCHEDULE								
WALL HEIGHT	WALL THICKNESS	FOOTING DEPTH	FOOTING WIDTH	KEY DEPTH	FOOTING REINFORCEMENT		WALL REINFORCEMENT	
hw	T	A	W	K	'O' BARS BOTTOM INTO WALL I.F.	'P' BARS TOP CONTINUOUS	'M' BARS WALL I.F. (VERTICAL)	'N' BARS WALL O.F. (VERTICAL)
UP TO 7'-0"	12"	12"	6'-0"	1'-0"	#5@18	#4@18	#5@18	#4@18
7'-1" TO 10'-0"	14"	15"	9'-6"	1'-9"	#5@12	#4@18	#5@12	#4@18

- NOTES:
- FOR LONGITUDINAL FOOTING REINFORCEMENT AND HORIZONTAL WALL REINFORCEMENT SEE SECTION.
 - VERTICAL REINFORCEMENT IN LOW WALLS MAY BE EXTENDED FROM FOOTING TO TOP OF WALL AT CONTRACTOR'S OPTION.



PLAN

TYPICAL DETAIL FOR SLAB DEPRESSIONS AT SHOWER LOCATIONS

- NOTES:
- FOR LOCATIONS OF SLAB DEPRESSIONS REFER TO GENERAL ARRANGEMENT PLANS.
 - FOR DIMENSIONS AND COORDINATES OF DEPRESSIONS REFER TO ARCHITECTURAL DRAWINGS.
 - WHEN DEPRESSIONS ARE NEAR OR AGAINST EXTERIOR BEAMS, MECHANICAL OPENINGS, COLUMNS, ETC AND ADDED REINFORCEMENT CAN NOT BE EXTENDED AS SHOWN, PROVIDE STANDARD HOOK AT EXTERIOR END.
 - NO ADDITIONAL TRENCHES, DEPRESSIONS, ETC ARE PERMITTED WITHIN THE 1'-3" DEPRESSION REGION.
 - ONLY ONE SINGLE THRU SLEEVE IS PERMITTED IN EACH DEPRESSION.
 - ALL DEPRESSION LOCATIONS MUST BE REVIEWED BY EOR IN CONJUNCTION WITH THE COMPOSITE TRADE COORDINATION DRAWING.

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7	12/02/2016	REVISED FOR CONSTRUCTION
6	10/05/2016	REVISED FOR CONSTRUCTION
5	04/15/2016	SUPPLEMENTARY DRAWING SET
4	07/31/2015	DOB SUBMISSION
3	01/20/2015	100% ID
2	03/20/2015	90% ID
1	03/06/2015	DOB FILING

OWNER:

GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:

RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

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DOB STAMPS & SIGNATURES:

Victor Daza
APPROVED
Under Executive E&E 1975
INTENDED FOR CONSTRUCTION
Date: 02/04/2018
NYC Development Hub

DWG TITLE:

TYPICAL SUPERSTRUCTURE
DETAILS 3
NB#XXXXXXXX

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PROJECT # 180104
SCALE: AS NOTED
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DWG NO.

KEY PLAN



9	06/02/2017	DOB SUBMISSION
8	04/14/2017	SUBMIT FOR CONSTRUCTION
7	12/02/2016	65% CD
6	10/05/2016	80% CD UPDATED SET
5	04/15/2016	SUPERSTRUCTURE AWARD SET
4	07/31/2015	DOB SUBMISSION
3	01/20/2015	100% CD
2	03/20/2015	50% CD
1	03/06/2015	DOB FILING

Number:	Date:	Revision:
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DOB STAMPS & SIGNATURES:



DWG TITLE:
TYPICAL SUPERSTRUCTURE
DETAILS 4
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/01/2015
PROJECT #: 180104
SCALE: AS NOTED
S-963.00
DWG NO.

TABLE #1:
TENSION LAP SPlice LENGTHS (CLASS B MINIMUM)

TABLE 1.A: 3/4" COVER TO OUTER LAYER BARS OUTER LAYER LAP LENGTHS (IN INCHES)										
BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000	NOTE: USE TABLE 1.A IF BAR SPACING IS LESS THAN 4" O/C UP TO #8, 5" O/C FOR #9, #10, #11	
#3	16	16	16	16	16	16	16	16		
#4	21	20	20	20	20	20	20	20		
#5	31	27	24	24	24	24	24	24		
#6	43	37	33	30	29	29	29	29		
#7	69	60	53	49	45	42	40	38		
#8	85	74	66	60	56	52	49	47		
#9	103	89	80	73	67	63	59	56		
#10	121	105	94	86	79	74	70	66		
#11	140	122	109	99	92	86	81	77		

TABLE 1.B: 3/4" COVER TO OUTER LAYER BARS INNER LAYER LAP LENGTHS (IN INCHES)										
BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000	NOTE: USE TABLE 1.A IF BAR SPACING IS LESS THAN 4" O/C UP TO #8, 5" O/C FOR #9, #10, #11	
#3	16	16	16	16	16	16	16	16		
#4	20	20	20	20	20	20	20	20		
#5	24	24	24	24	24	24	24	24		
#6	30	29	29	29	29	29	29	29		
#7	48	42	38	34	34	34	34	34		
#8	61	53	47	43	40	39	39	39		
#9	75	65	58	53	49	46	44	44		
#10	89	77	69	63	58	55	51	49		
#11	104	90	81	74	68	64	60	57		

NOTES FOR TENSION LAP SPICES

- REINFORCEMENT IS UNCOATED, WITH $F_y=60,000$ PSI.
- CONCRETE IS NORMAL WEIGHT (144–150#/C.F.).
- FOR "TOP" BAR SPICE LENGTHS ("TOP" IS DEFINED BY ACI 318 AS HAVING MORE THAN 12 INCHES OF FRESH CONCRETE CAST BELOW THE BAR), TABULATED LENGTHS MUST BE MULTIPLIED BY 1.3.
- LENGTHS TABULATED MUST BE MULTIPLIED BY THE FOLLOWING MODIFICATION FACTORS:
 - LIGHTWEIGHT CONCRETE1.3
 - EPOXY-COATED BARS:
 - BARS WITH COVER < 3db, OR WITH CLEAR SPACING < 8db, .15 FOR BOTTOM & VERTICAL BARS, .13 FOR "TOP" BARS
 - ALL OTHER CONDITIONS1.2
 - FOR EPOXY-COATED "TOP" BARS THE MAXIMUM FOR COMBINED FACTORS = 1.7
- WHERE TENSION DEVELOPMENT LENGTH (L_d) IS REQUIRED ON PLANS OR IN DETAILS, SEE TENSION DEVELOPMENT LENGTH TABLES.
- CLASS A LAP SPICE LENGTHS ARE EQUAL TO TENSION DEVELOPMENT LENGTHS. SEE TABLES FOR TENSION DEVELOPMENT LENGTHS (L_d). APPLY APPROPRIATE MODIFICATION FACTORS TO CLASS A SPICE LENGTHS.

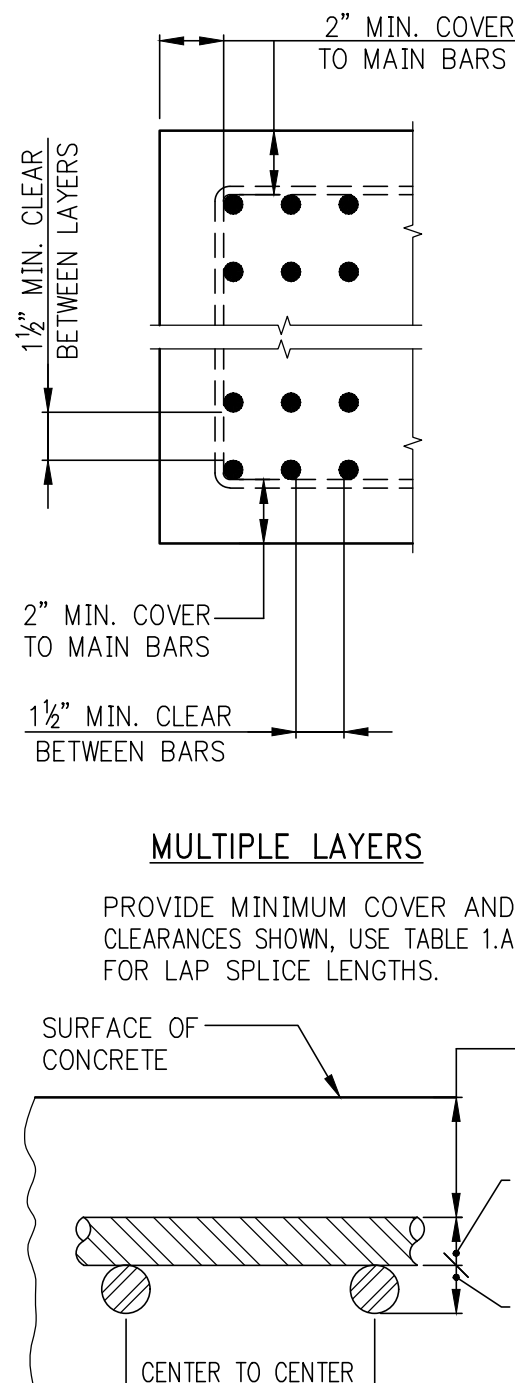


TABLE #2:
TENSION DEVELOPMENT LENGTHS (L_d) (IN INCHES)

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.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	23	20	18	16	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		

NOTES FOR TENSION DEVELOPMENT LENGTHS (L_d)

- REINFORCEMENT IS UNCOATED, WITH $F_y=60,000$ PSI.
- CONCRETE IS NORMAL WEIGHT (144–150#/C.F.).
- FOR "TOP" BAR DEVELOPMENT LENGTHS ("TOP" IS DEFINED BY ACI 318 AS HAVING MORE THAN 12 INCHES OF FRESH CONCRETE CAST BELOW THE BAR), TABULATED LENGTHS MUST BE MULTIPLIED BY 1.3.
- LENGTHS TABULATED MUST BE MULTIPLIED BY THE FOLLOWING MODIFICATION FACTORS:
 - LIGHTWEIGHT CONCRETE1.3
 - EPOXY-COATED BARS:
 - BARS WITH COVER < 3db, OR WITH CLEAR SPACING < 8db, .15 FOR BOTTOM & VERTICAL BARS, .13 FOR "TOP" BARS
 - ALL OTHER CONDITIONS1.2
 - FOR EPOXY-COATED "TOP" BARS THE MAXIMUM FOR COMBINED FACTORS = 1.7
- WHERE TENSION DEVELOPMENT LENGTH (L_d) IS REQUIRED ON PLANS OR IN DETAILS, SEE TENSION DEVELOPMENT LENGTH TABLES.
- CLASS A LAP SPICE LENGTHS ARE EQUAL TO TENSION DEVELOPMENT LENGTHS. SEE TABLES FOR TENSION DEVELOPMENT LENGTHS (L_d). APPLY APPROPRIATE MODIFICATION FACTORS TO CLASS A SPICE LENGTHS.

TABLE #3
TENSION DEVELOPMENT LENGTHS FOR
STANDARD END HOOKS (l_{dh})
(LENGTHS IN INCHES)

BAR SIZE	CONCRETE STRENGTH (PSI)									
	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000		
#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:
- 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.
 - PER ACI 12.5.3 (c), FOR #11 AND SMALLER BARS, IF COVER TO BAR IS 2 1/2 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.

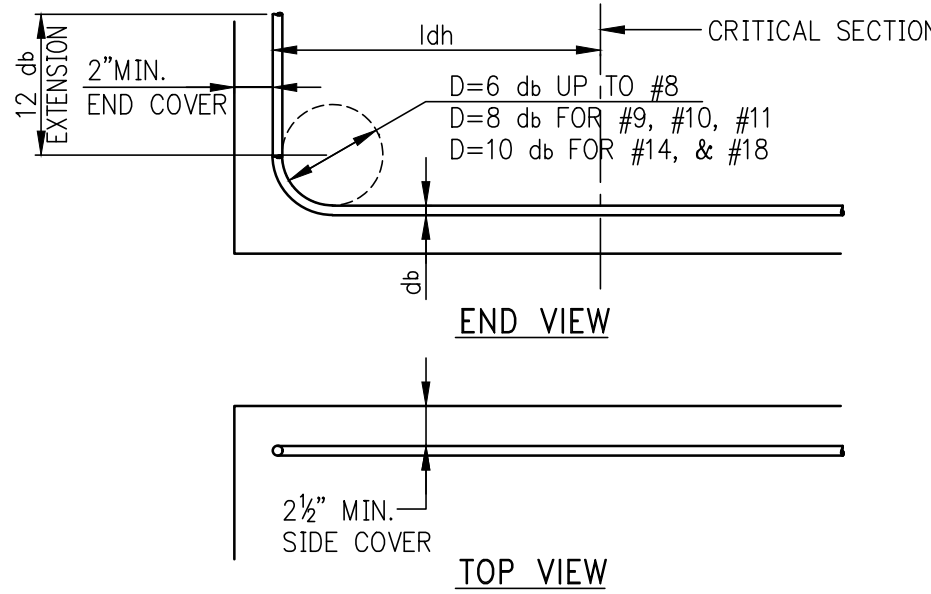


TABLE #4
COMPRESSION LAP SPICES
(LENGTHS IN INCHES)

BAR SIZE	GRADE OF REINFORCEMENT		
	60 KSI (30 DIA.)	75 KSI (44 DIA.)	80 KSI (48 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

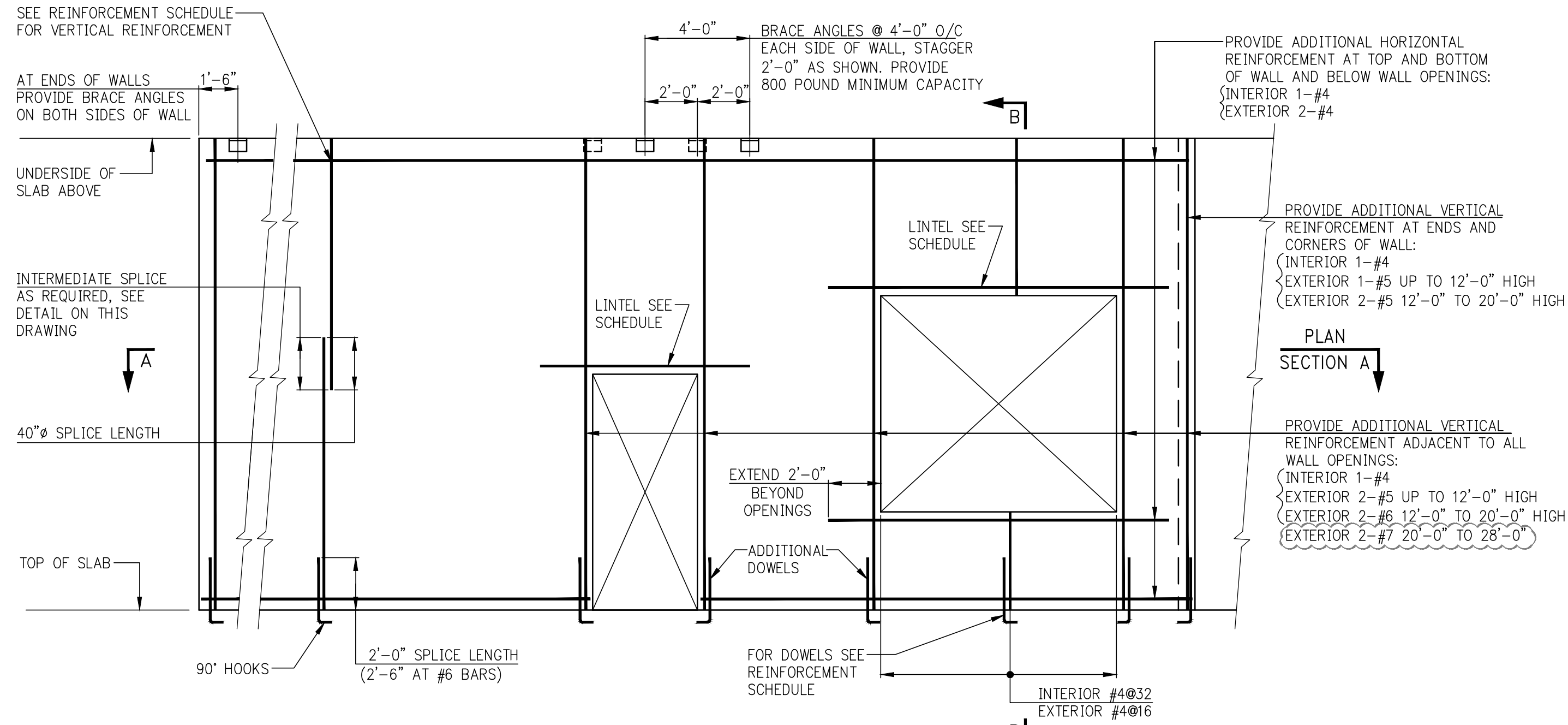
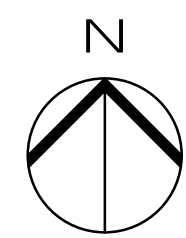
- LAP SPICES ARE NOT PERMITTED. USE MECHANICAL CONNECTIONS OR WELDED SPICES FOR #14 AND #18, PER ACI 318 (12.14.3).
- LAP SPICES OF #14 AND #18 BARS TO #11 AND SMALLER BARS ARE PERMITTED PER ACI 318 (12.16.2).
- FOR BARS OF DIFFERENT SIZE, USE LARGER OF: SPICE LENGTH OF SMALLER BAR (TABLE #3) OR DEVELOPMENT LENGTH OF LARGER BAR (FROM TABLE #4) PER ACI 318 (12.16.2).

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)

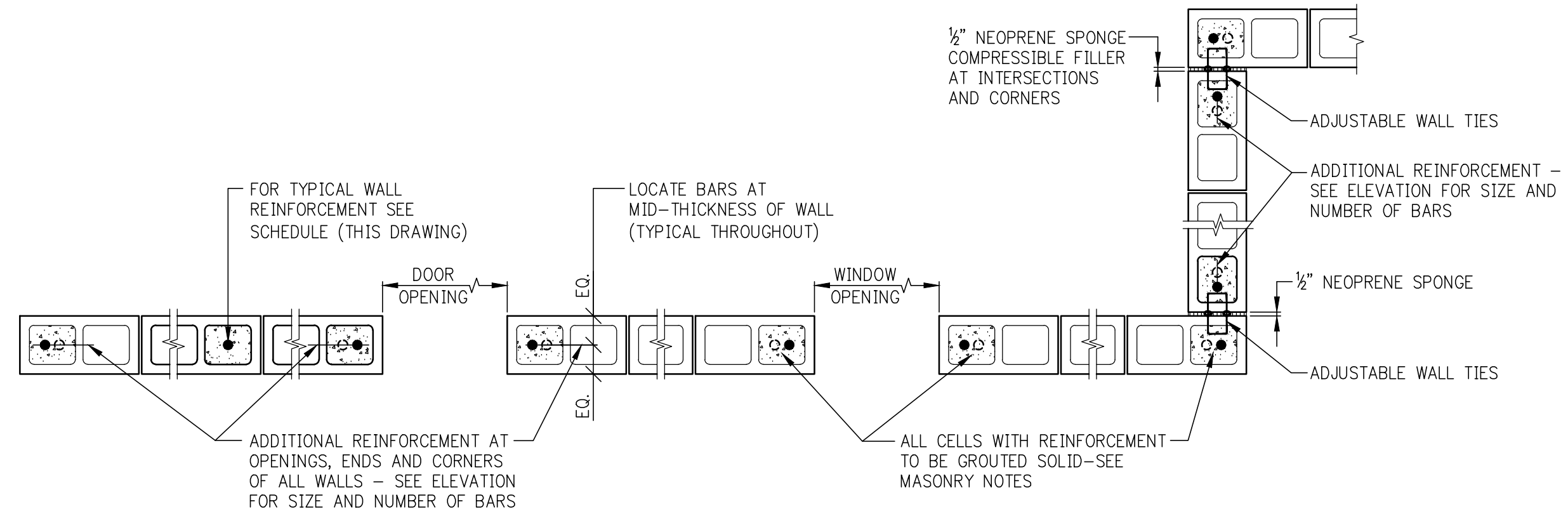
BAR SIZE	$f_y = 60,000$ PSI CONC. f_c (IN PSI)			$f_y = 75,000$ PSI CONC. f_c (IN PSI)			$f_y = 80,000$ PSI CONC. f_c (IN PSI)		
	3,000	4,000	5,000 OR MORE	3,000	4,000	5,000 OR MORE	3,000	4,000	5,000 OR MORE
#3	12	12	12	12	12	12	12	12	12
#4	12	12	12	14	12	12	15	13	12
#5	14	12	12	17	15	14	18	16	15
#6	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

KEY PLAN

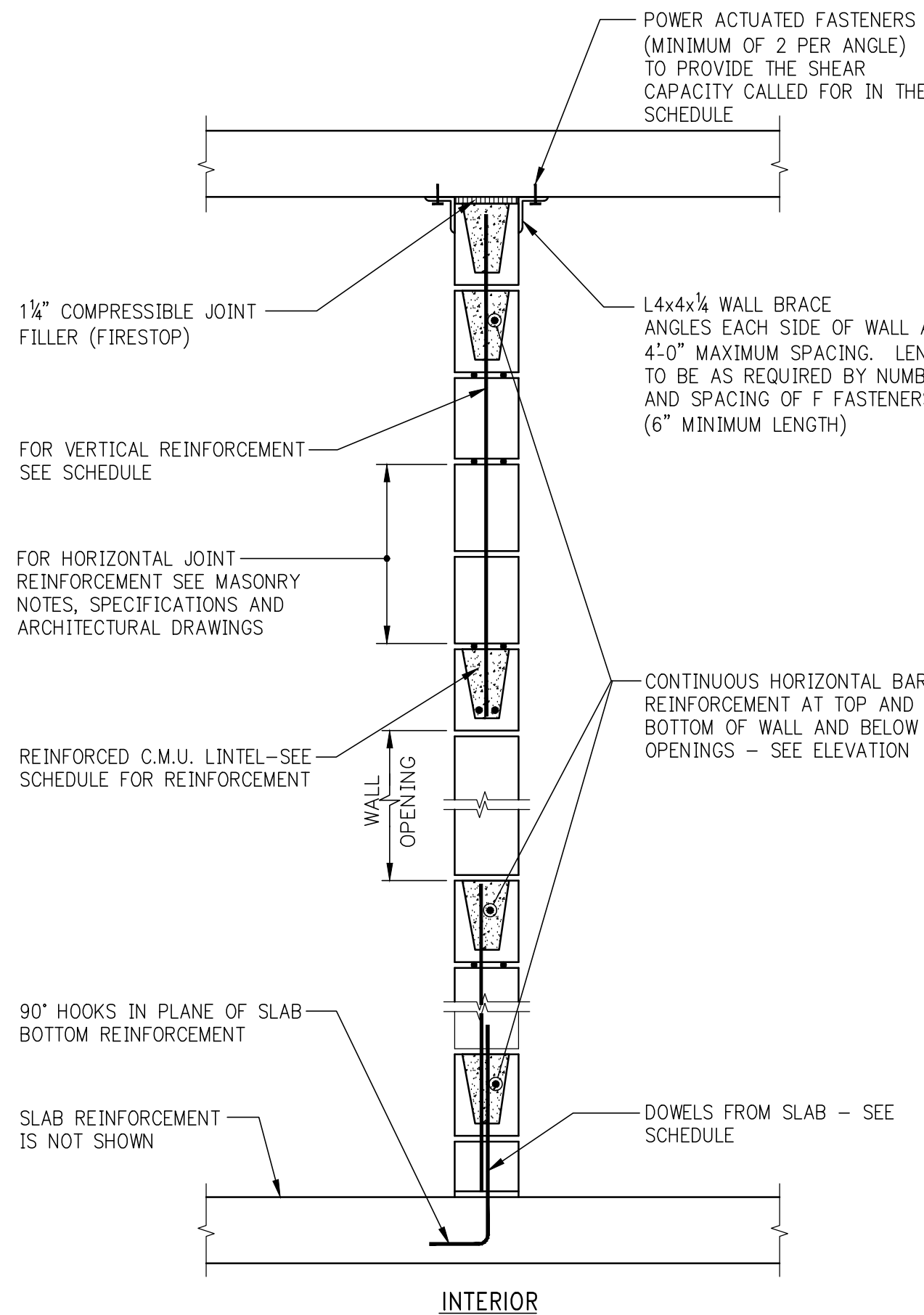


WALL REINFORCEMENT ELEVATION

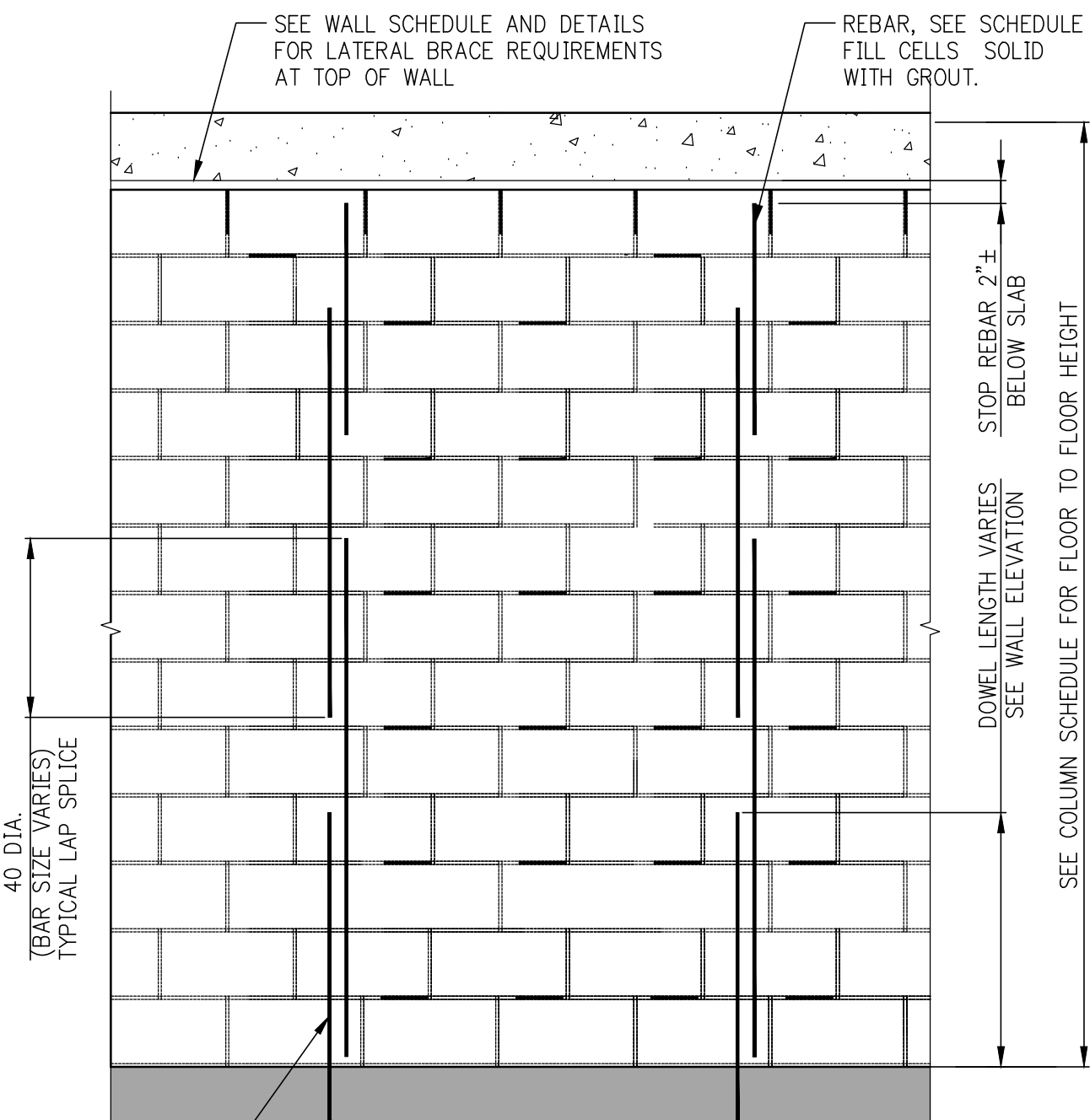
- NOTES:
1. ABOVE DETAIL APPLIES TO ALL MASONRY (C.M.U.) WALLS.
 2. FOR MULTITHE EXTERIOR WALLS ABOVE DETAIL APPLIES TO C.M.U. BACKUP WALL ONLY. SEE SECTION BELOW FOR ADDITIONAL INFORMATION.



PLAN SECTION A
(FOR DOWELS SEE ELEVATION)



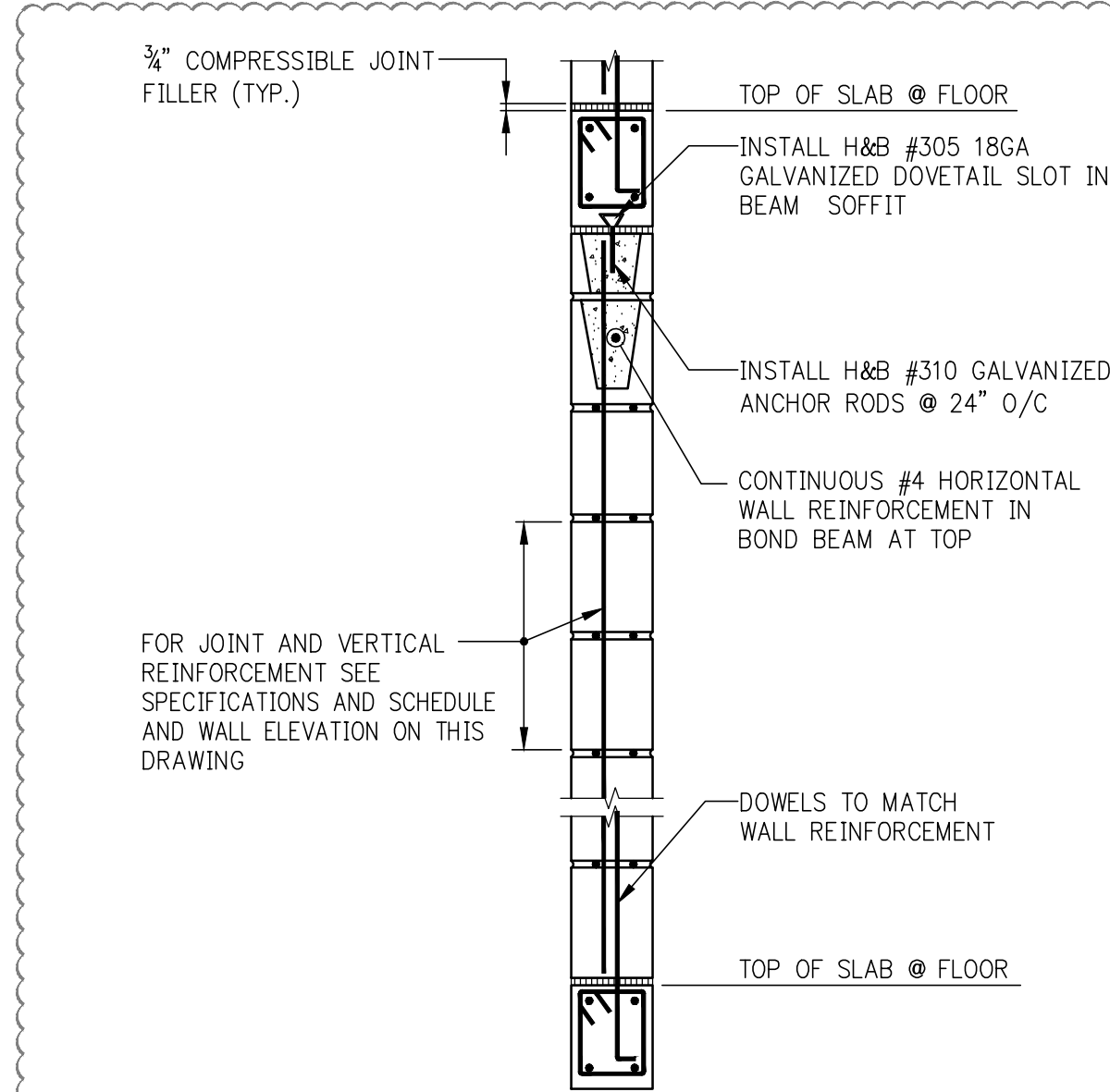
SECTION B



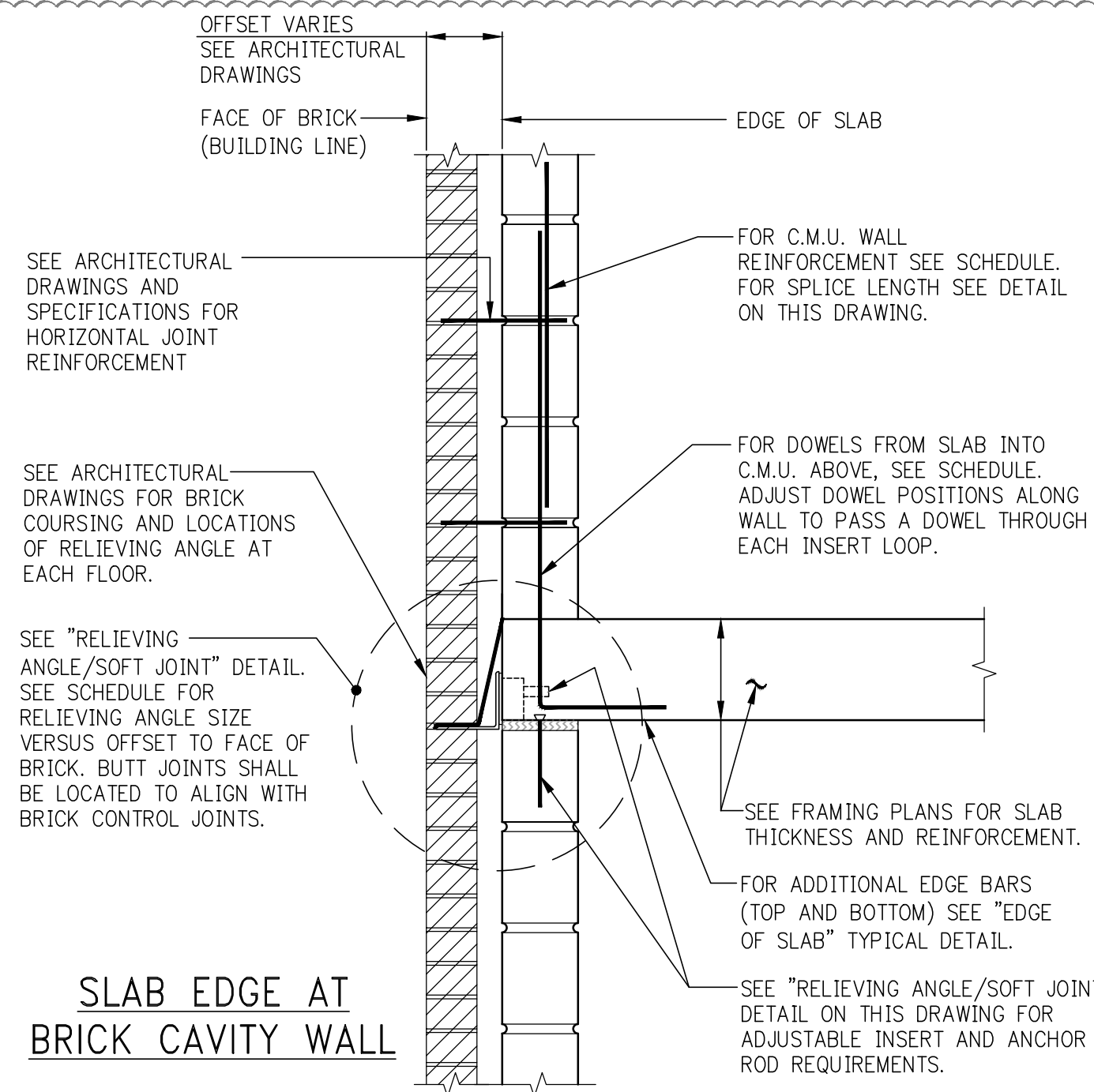
SPLICE LENGTH OF REBAR IN CMU WALL

C.M.U. MASONRY NOTES

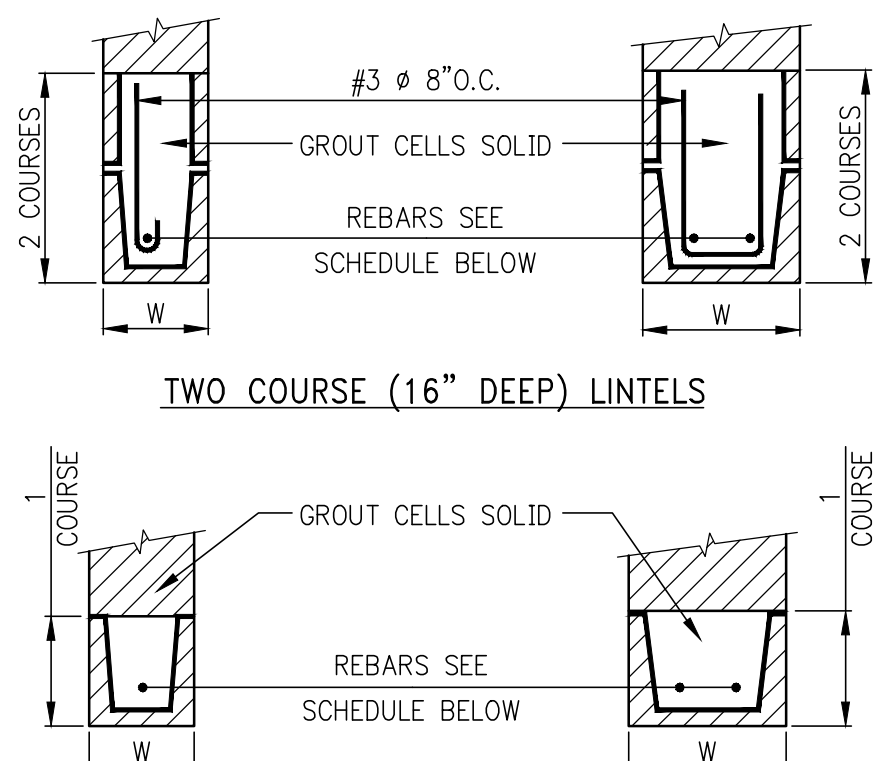
1. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR COMPLETE REQUIREMENTS FOR C.M.U. MASONRY CONSTRUCTION AND APPEARANCE. DETAILS AND NOTES SHOWN ON THE STRUCTURAL DRAWINGS ARE INTENDED TO SUPPLEMENT ARCHITECTURAL REQUIREMENTS AND TO DEFINE ELEMENTS WHICH PROVIDE STRUCTURAL STRENGTH AND STABILITY.
2. DETAILS, SECTIONS, SCHEDULES, ETC. AND THESE NOTES, REPRESENT THE MINIMUM REQUIREMENTS FOR STRUCTURAL ADEQUACY. WHERE ARCHITECTURAL REQUIREMENTS DIFFER FROM STRUCTURAL, THE MORE STRINGENT SHALL BE FOLLOWED.
3. CODE: MASONRY WALL CONSTRUCTION SHALL CONFORM TO THE NEW YORK CITY BUILDING CODE AND TO ACI 530/ASCE-5 AS REFERENCED BY THE NYC CODE.
4. MASONRY UNITS SHALL BE LIGHTWEIGHT HOLLOW LOAD BEARING CONCRETE MASONRY (CMU). COMPRESSIVE STRENGTH OF MASONRY F'W SHALL BE A MINIMUM OF 1,500 PSI.
5. MORTAR SHALL BE TYPE M OR S.
6. HORIZONTAL JOINT REINFORCEMENT SHALL BE TRUSS TYPE GALVANIZED COLD-DRAWN STEEL WIRE CONFORMING TO ASTM A 951.
7. PROVIDE HORIZONTAL JOINT REINFORCEMENT IN EVERY OTHER JOINT (16\"/>



WALL ANCHORAGE AT BEAMS
BETWEEN SCISSOR STAIRS



SLAB EDGE AT
BRICK CAVITY WALL

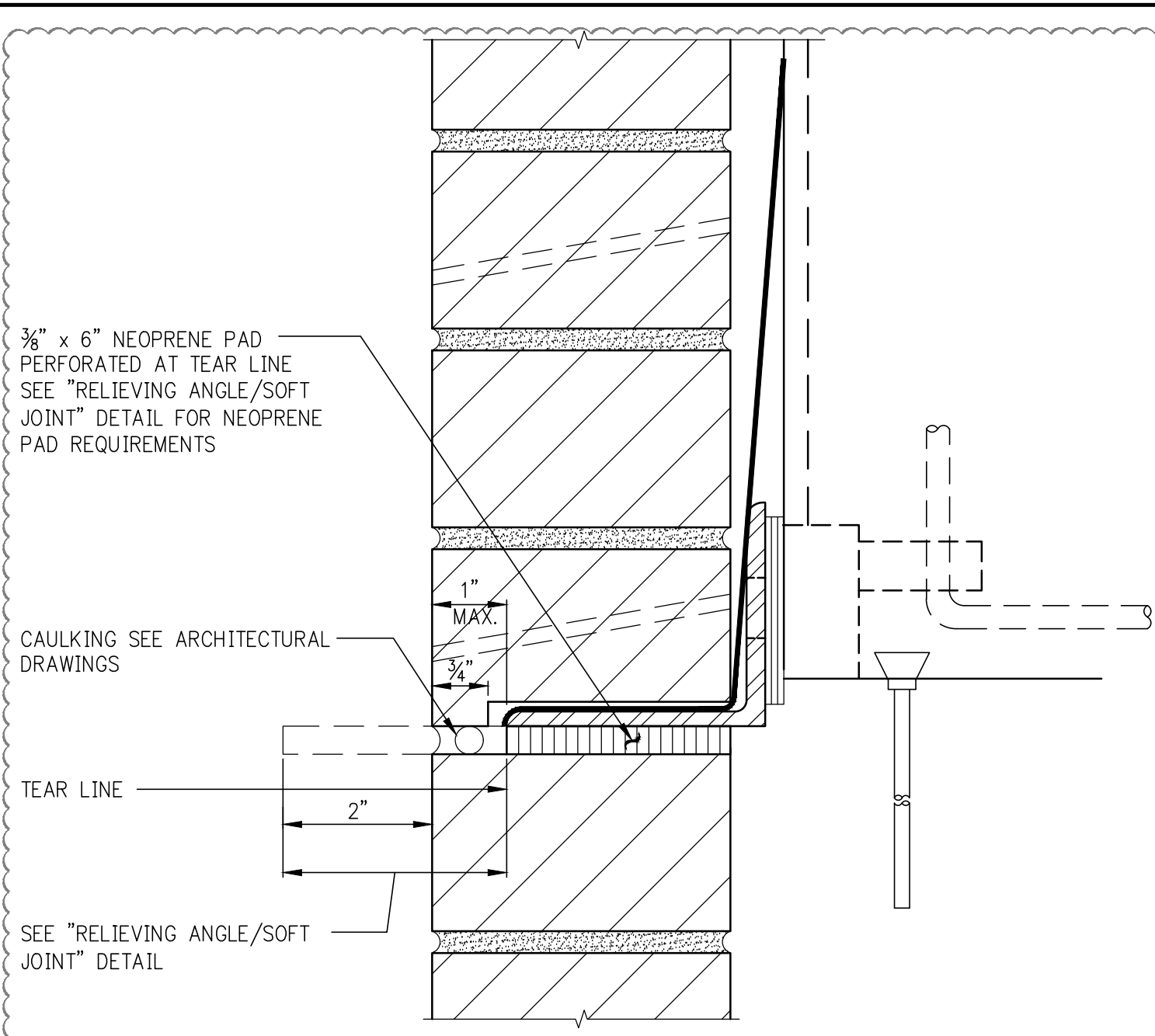


TYPE OF LOADING *	LINTEL SECTION NOMINAL SIZE (IN.)	REQUIRED REINFORCEMENT								
		CLEAR SPAN								
		3'-4"	4'-0"	4'-8"	5'-4"	6'-0"	6'-8"	7'-4"	8'-0"	10'-0"
WALL LOADS	6x8	1-#4	1-#4	1-#4	2-#4	2-#5	—	—	—	—
FLOOR & ROOF LOADS	6x16	—	—	—	—	—	—	—	—	—
	6x16	1-#4	1-#4	1-#4	1-#5	2-#4	2-#4	2-#5	2-#5	2-#5
WALL & ROOF LOADS	8x8	1-#4	2-#4	2-#4	2-#4	2-#4	2-#5	2-#5	2-#5	2-#6
	8x16	—	—	—	—	—	—	—	—	—
FLOOR & ROOF LOADS	8x8	2-#4	—	—	—	—	2-#5	2-#5	2-#5	2-#6
	8x16	2-#4	2-#4	2-#4	2-#4	2-#4	2-#4	2-#5	2-#5	2-#6

(+) INCLUDES WEIGHT OF LINTEL

- NOTES:
1. WALL LOADS ASSUMED 300lbs PER LINEAR FOOT.
 2. FLOOR & ROOF LOADS INCLUDING WALL LOADS ASSUMED 1000lbs PER LINEAR FOOT.
 3. 8\"/>
 4. 16\"/>
 5. IF ACTUAL LOADS EXCEED THOSE ASSUMED, CONTRACTOR IS TO OBTAIN DIRECTION FROM THE ENGINEER.
 6. FOR LINTELS OVER 10'-0\"/>

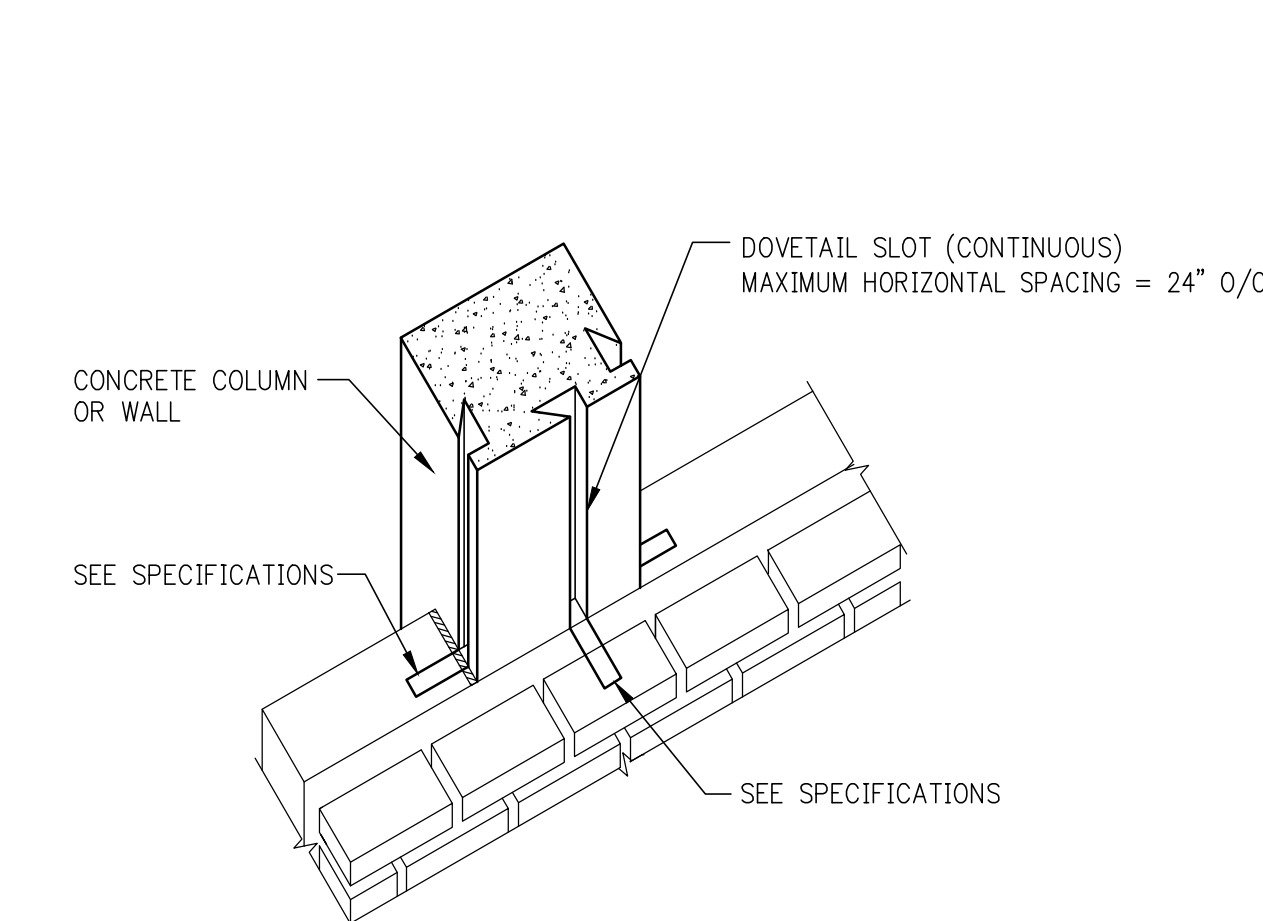
REINFORCED BLOCK LINTEL



SOFT JOINT WITH LIP BRICK

- NOTE:
- FOR ALL DETAILS OTHER THAN LIP BRICK AND NEOPRENE PAD, SEE \"RELIEVING ANGLE/SOFT JOINT\" DETAIL ON THIS DRAWING.

PART PLAN AT INTERIOR COLUMN
SHOWING PARTITION ANCHORAGE



ISOMETRIC SHOWING DOVETAIL SLOT ANCHORS
IN CONCRETE COLUMN OR WALL

SCHEDULE OF BRICK RELIEVING
ANGLES FOR VARYING OFFSETS
(OUTSIDE FACE OF BRICK TO FACE OF SUPPORT)

OFFSET DIMENSION	RELIEVING ANGLE SIZE	H & B LW-340 INSERT SPACING VS. BRICK HEIGHT (FL-FL TYPICAL)	INSERT SPACING	REMARKS
5 IN	L6 x 4 x 3/8 LLV	UP TO 12\"/>	32\"/>	
6 IN	L5 x 5 x 3/8	UP TO 12\"/>	32\"/>	
7 IN	L6 x 6 x 3/8	UP TO 12\"/>	32\"/>	
8 IN	L8 x 6 x 3/8 LLH	UP TO 12\"/>	32\"/>	TRIM 1\"/>

- NOTES:
1. ALL BOLTS 3/4\"/>
 2. ALL ANGLES TO BE A36. ANGLES, BOLTS AND SHIMS TO BE GALVANIZED.

C.M.U. WALL REINFORCEMENT SCHEDULE (AND LATERAL BRACING LOAD AT TOP)					
LOCATION AND HEIGHT OF WALL	MINIMUM BLOCK THICKNESS	VERTICAL REINFORCEMENT	DOWELS FROM SLAB	LATERAL BRACING (SERVICE LOAD) FORCE (TOP) #/FOOT	REMARKS
INTERIOR UP TO 10'-0"	4"	#4@8'-0"	#4@8'-0"	200	
INTERIOR 10'-1" TO 16'-0"	6"	#4@8	#4@8	200	
INTERIOR 16'-1" TO 20'-0"	8"	#4@8	#4@8	200	
INTERIOR 20'-1" TO 24'-0"	8"	#4@24	#4@24	200	
EXTERIOR UP TO 8'-0"	4"	#4@32	#4@16	300	
EXTERIOR 8'-1" TO 10'-0"	8"	#4@16	#4@16	1025	FULLY GROUTED
EXTERIOR 10'-1" TO 12'-0"	8"	#4@16	#4@16	1025	FULLY GROUTED
EXTERIOR 12'-1" TO 16'-0"	8"	#5@8	#5@8	1200	FULLY GROUTED
EXTERIOR 16'-1" TO 20'-0"	12"	#5@16	#5@16	750	1\"/>
EXTERIOR 20'-1" TO 26'-1"	12"	#7@8	#7@8	750	1\"/>
EXTERIOR 26'-2" TO 28'-0"	14"	#7@8	#7@8	700	1\"/>
EXTERIOR CANTILEVER (PARAPET, ETC.) UP TO 8'-0"	8"	#4@16	#5@16	600(BOTTOM)	
EXTERIOR CANTILEVER (PARAPET, ETC.) UP TO 4'-0"	8"	#4@16	#4@16	300(BOTTOM)	

LOOSE LINTEL SCHEDULE
(ANGLES OR W-SHAPE PLUS PLATE)

MASONRY OPENING	ANGLE SIZE PER EACH 4" WIDTH OF MASONRY (OR W + PL)	ANGLE SIZE FOR 6" WIDTH OF MASONRY
UP TO 5'-0"	L3 1/2 x 3 1/2 x 3/8	L6 x 4 x 3/8
5'-1" TO 8'-0"	L6 x 3 1/2 x 3/8	L6 x 4 x 3/8
8'-1" TO 10'-8"	L6 x 3 1/2 x 3/8	-
10'-9" TO 14'-0"	WB415 + BOTTOM PL 3/8 x 7 (WELD PLATE TO BOTTOM FLANGE)	-

- NOTES:
1. ANGLE LENGTH = MASONRY OPENING PLUS 1'-0" (6" BEARING AT EACH END).
 2. ANGLE LONG LEG IS VERTICAL.
 3. WB + PL TO BE USED AT 8" WIDE WALL ONLY.
 4. PROVIDE FIREPROOFING ON LINTELS FOR MASONRY OPENINGS GREATER THAN 4'-0", AS REQUIRED BY CODE.
 5. JOINTS SHALL NOT BE LOCATED OVER THE MASONRY OPENING.

12	04/02/2017	DOB SUBMISSION
11	04/14/2017	ISSUED FOR CONSTRUCTION
10	12/02/2016	85% CD
9	10/02/2016	85% CD UPDATED SET
8	04/15/2016	POST PERMITS AMENDMENT
7	04/15/2016	SUPPLEMENTAL AWARD SET
6	04/14/2015	DOB SUBMISSION
5	09/02/2015	FOUNDATION SET
4	07/31/2015	DOB SUBMISSION
3	07/30/2015	100% CD
2	03/20/2015	50% CD
1	03/06/2015	DOB FILING

OWNER:

GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:

RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:

Goldstein, Hill & West Architects, LLP
11 Broadway, Suite 1700
New York, NY 10004
Tel (212) 213-8007 Fax (212) 686-1754

DESIGN ARCHITECT:

RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
Tel: (212) 967-6660

STRUCTURAL ENGINEER:

WSP BUILDING STRUCTURES
CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
Tel: (212) 687-9888 Fax: (646) 487-5501

MEP/P ENGINEER:

WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:

Victor Daza
APPROVED
Under Executive of 1975
EXPERIMENTAL REGISTRATION
Date: 03/04/2018
NYC Development Hub

DWG TITLE:

TYPICAL MASONRY DETAILS

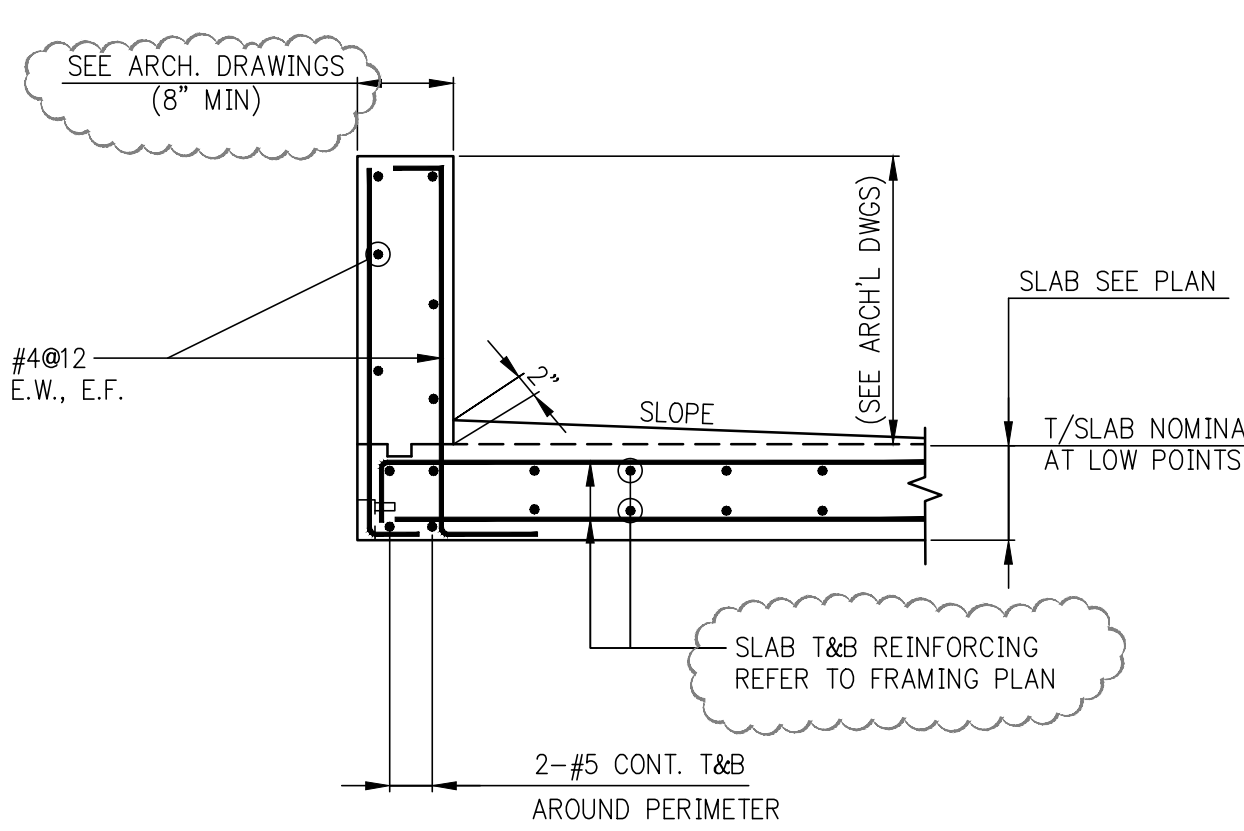
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SCALE: AS NOTED

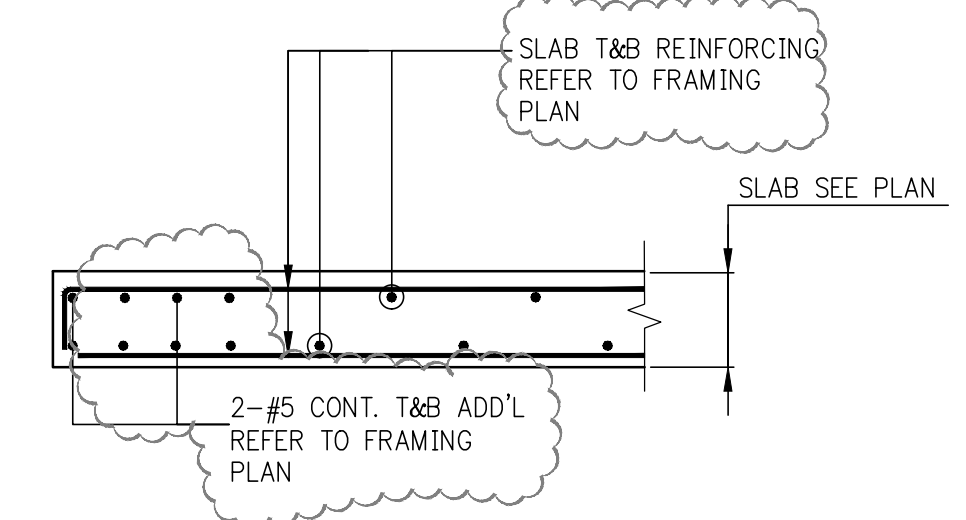
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DWG NO.

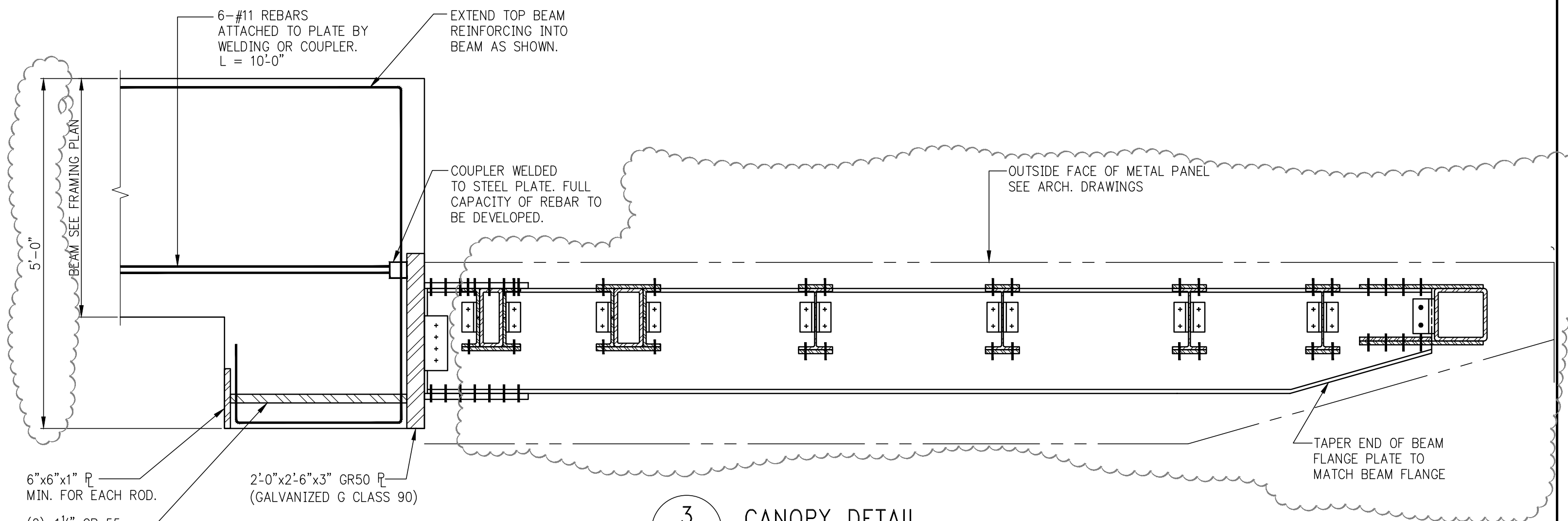
KEY PLAN



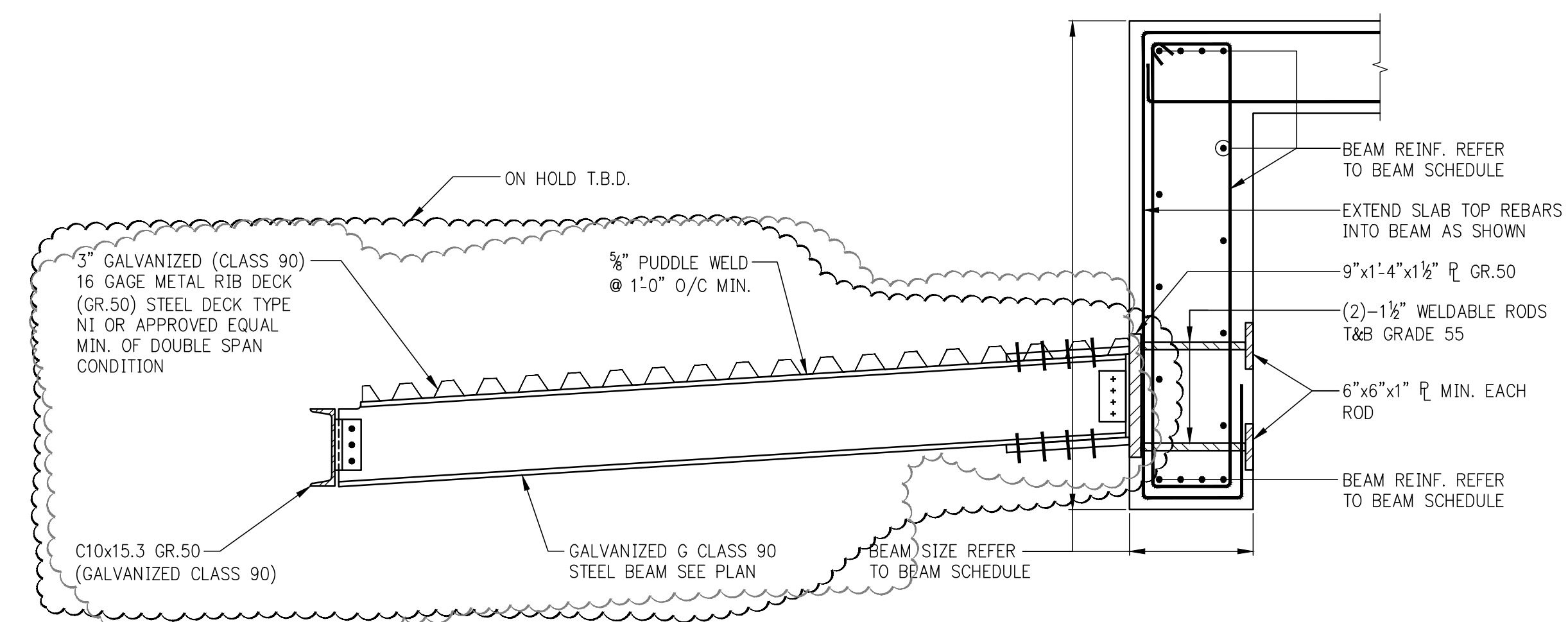
1 TYPICAL CONCRETE PARAPET DETAIL
SCALE: 3/4"=1'-0"
NOTE: ALL PARAPET REBARS TO BE EPOXY COATED.



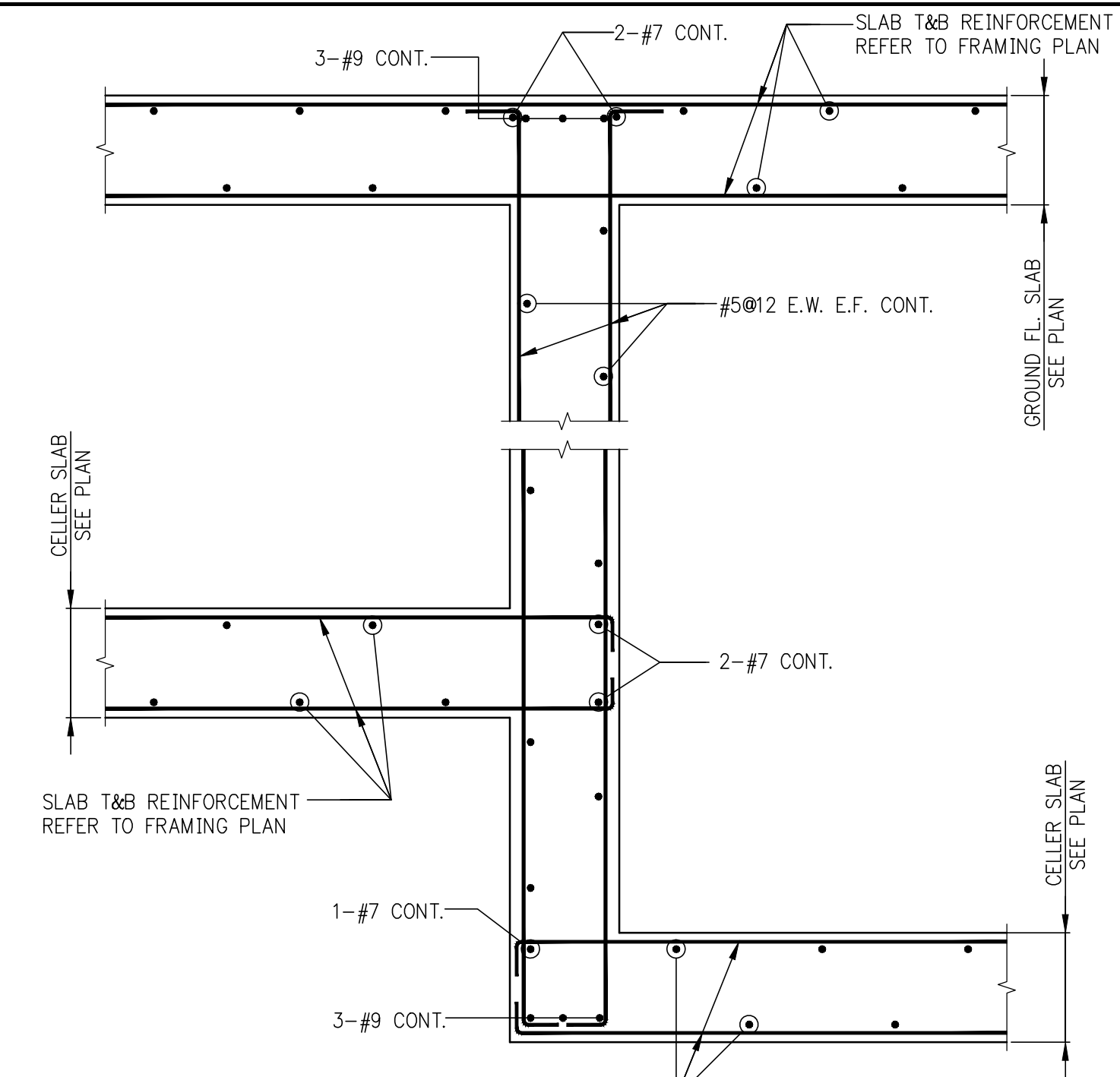
2 TYPICAL SLAB EDGE DETAIL
SCALE: 3/4"=1'-0"
NOTE:
1. REFER TO ARCHITECTURAL DRAWINGS FOR SLAB EDGE INFORMATION.
2. ALL BARS TO BE EPOXY COATED AT BALCONY AND ALL CONCRETE EXPOSED TO WEATHER



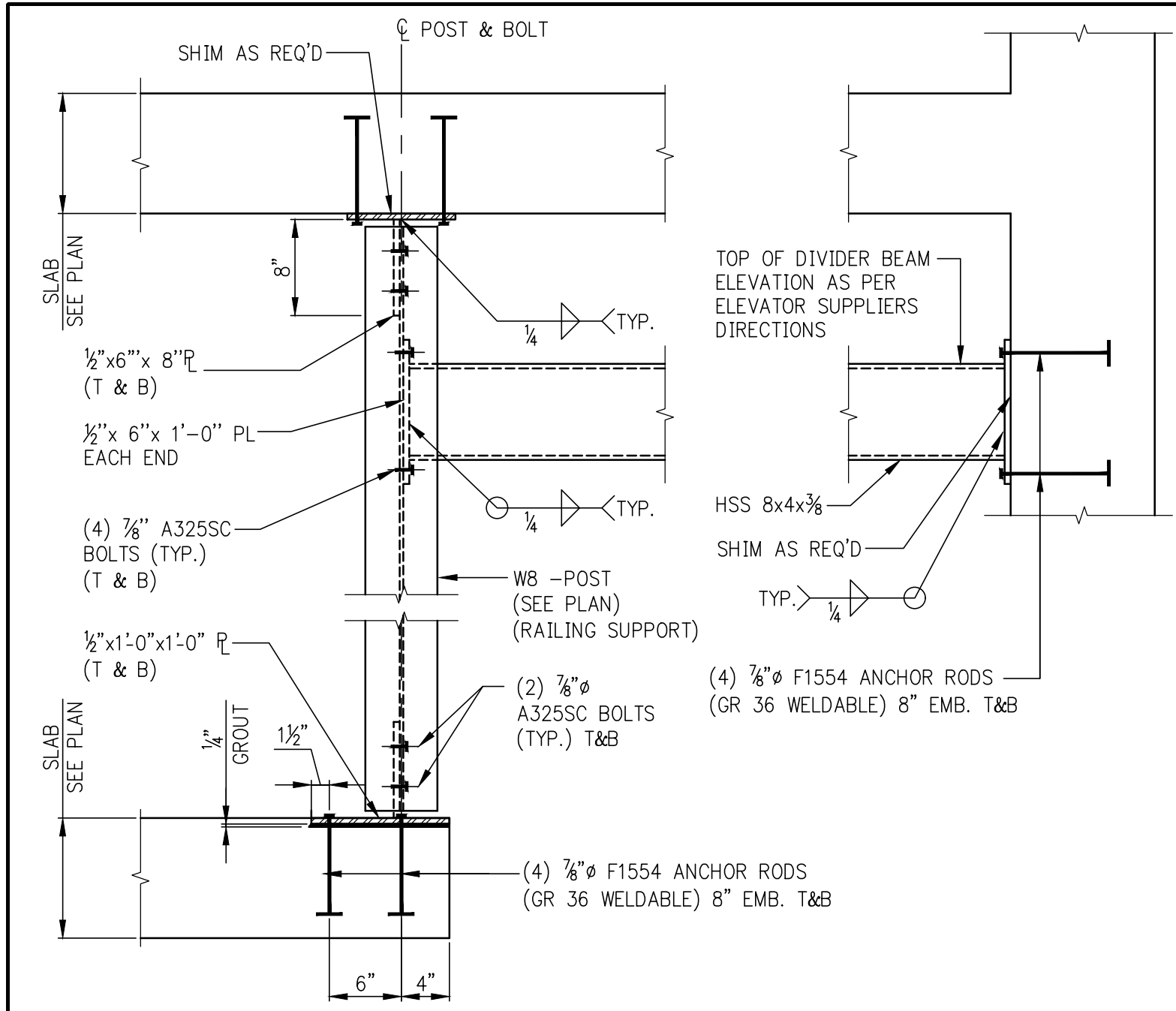
3 CANOPY DETAIL
SCALE: 3/4"=1'-0"
NOTES:
1. REFER TO S-920 FOR REQ'D CONNECTION CAPACITIES.
2. ALL REINFORCING NOT SHOWN FOR CLARITY. REFER TO FRAMING PLAN, BEAM SCHEDULE & TYPICAL DETAILS FOR BALANCE OF REINFORCING.
3. REFER TO TYPICAL STEEL DETAILS FOR CONNECTION DETAILS.
4. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS AND ELEVATIONS



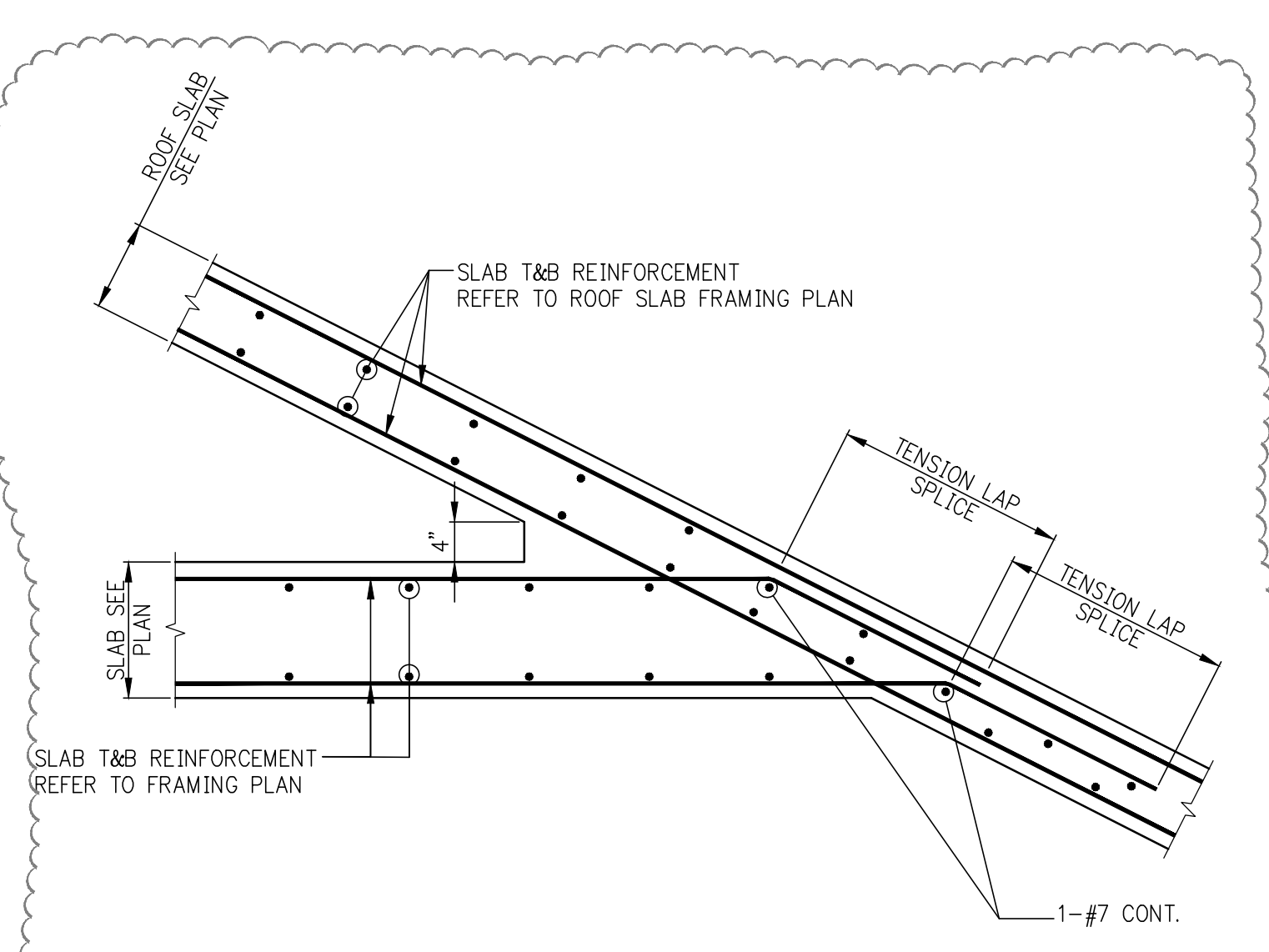
4 CANOPY DETAIL
SCALE: 3/4"=1'-0"
NOTES:
1. REFER TO S-920 FOR REQ'D CONNECTION CAPACITIES.
2. REFER TO FRAMING PLAN, BEAM SCHEDULE & TYPICAL DETAILS FOR BALANCE OF REINFORCING.



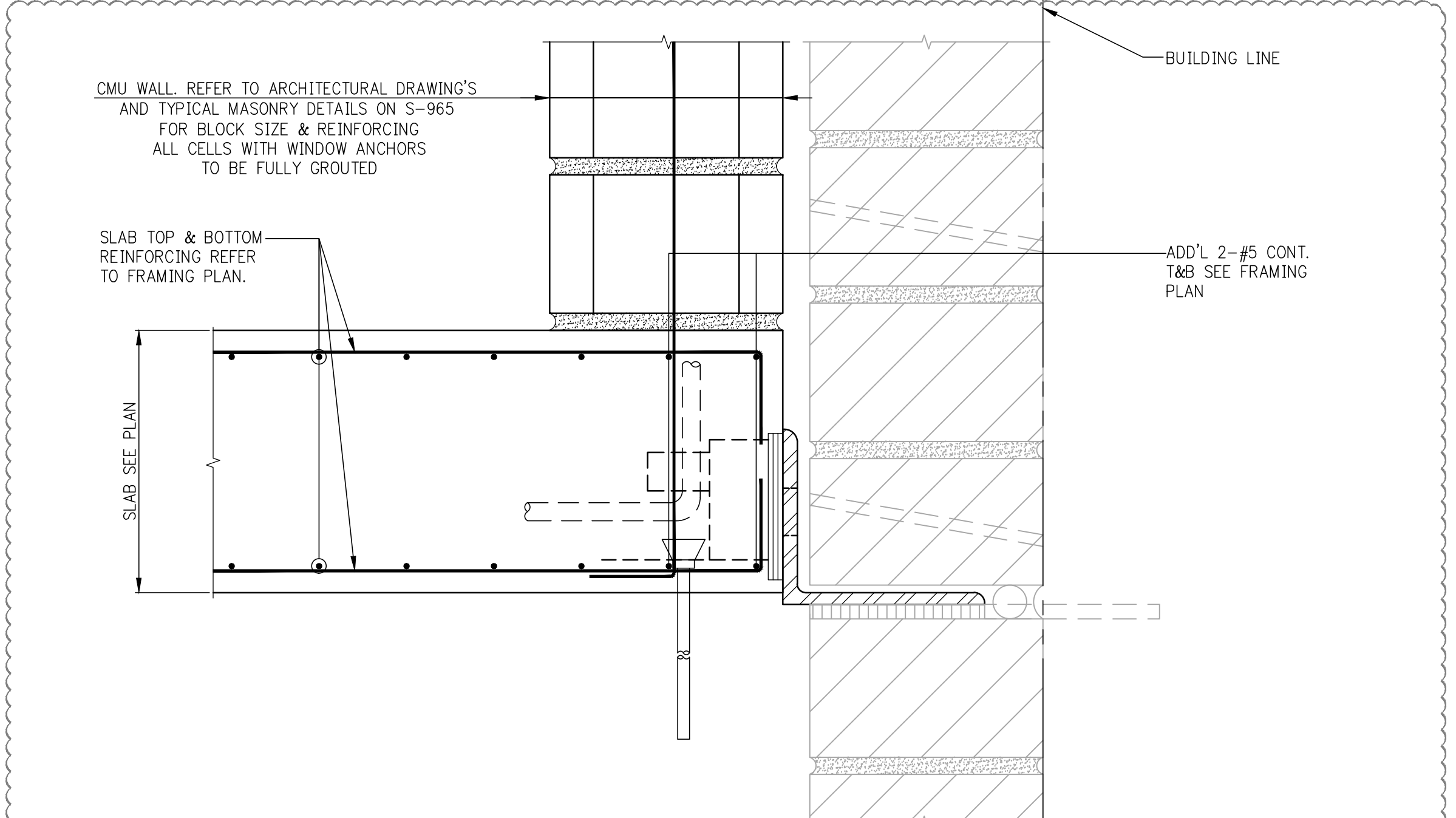
5 SECTION
SCALE: 3/4"=1'-0"



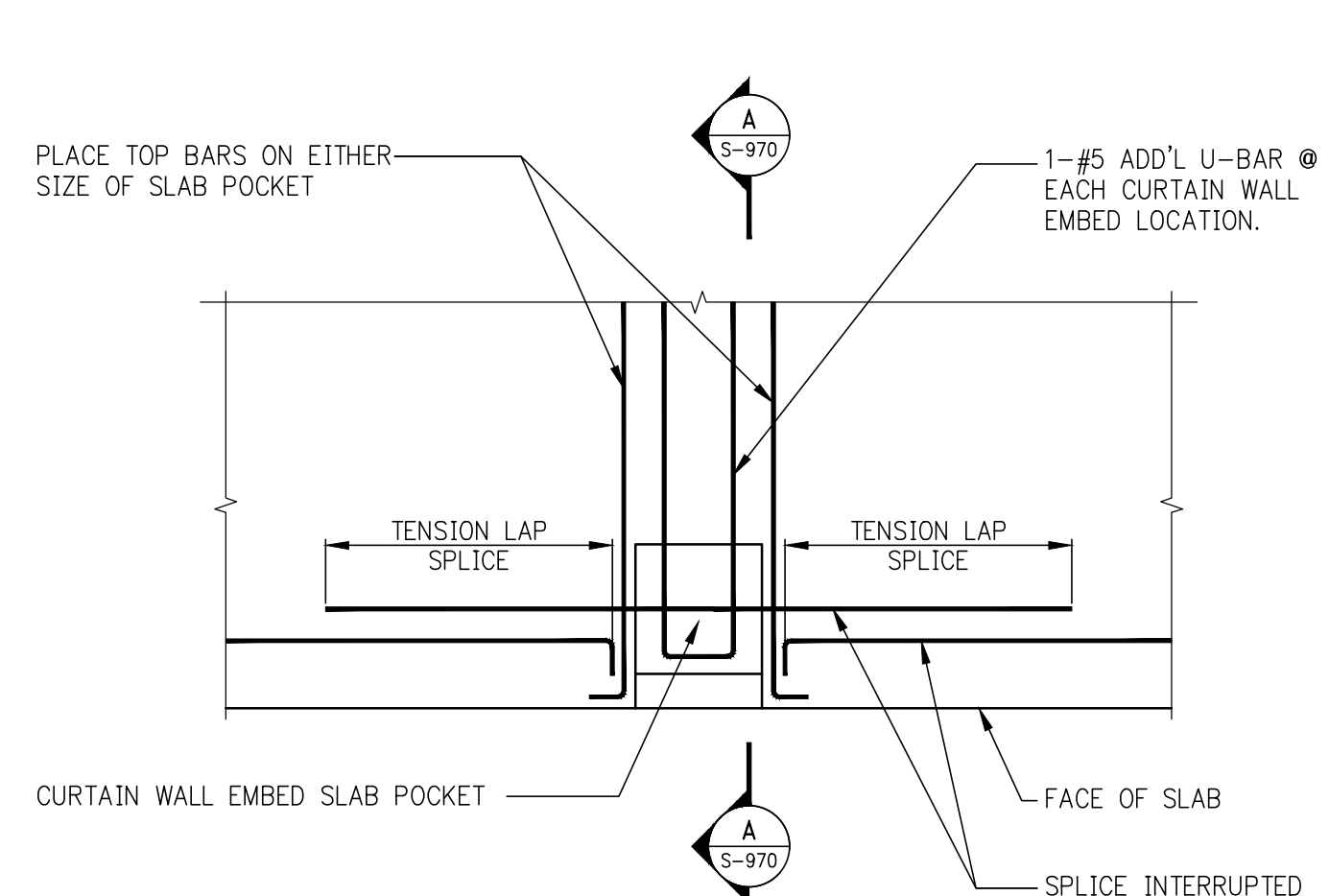
6 SECTION THROUGH ADDITIONAL RAIL SUPPORT @ ELEVATOR
SCALE: 1/4"=1'-0"
NOTES:
1. EXACT POST LOCATION TO BE DETERMINED BY ELEVATOR SUPPLIER.
2. SLAB REINFORCING IS NOT SHOWN FOR CLARITY.



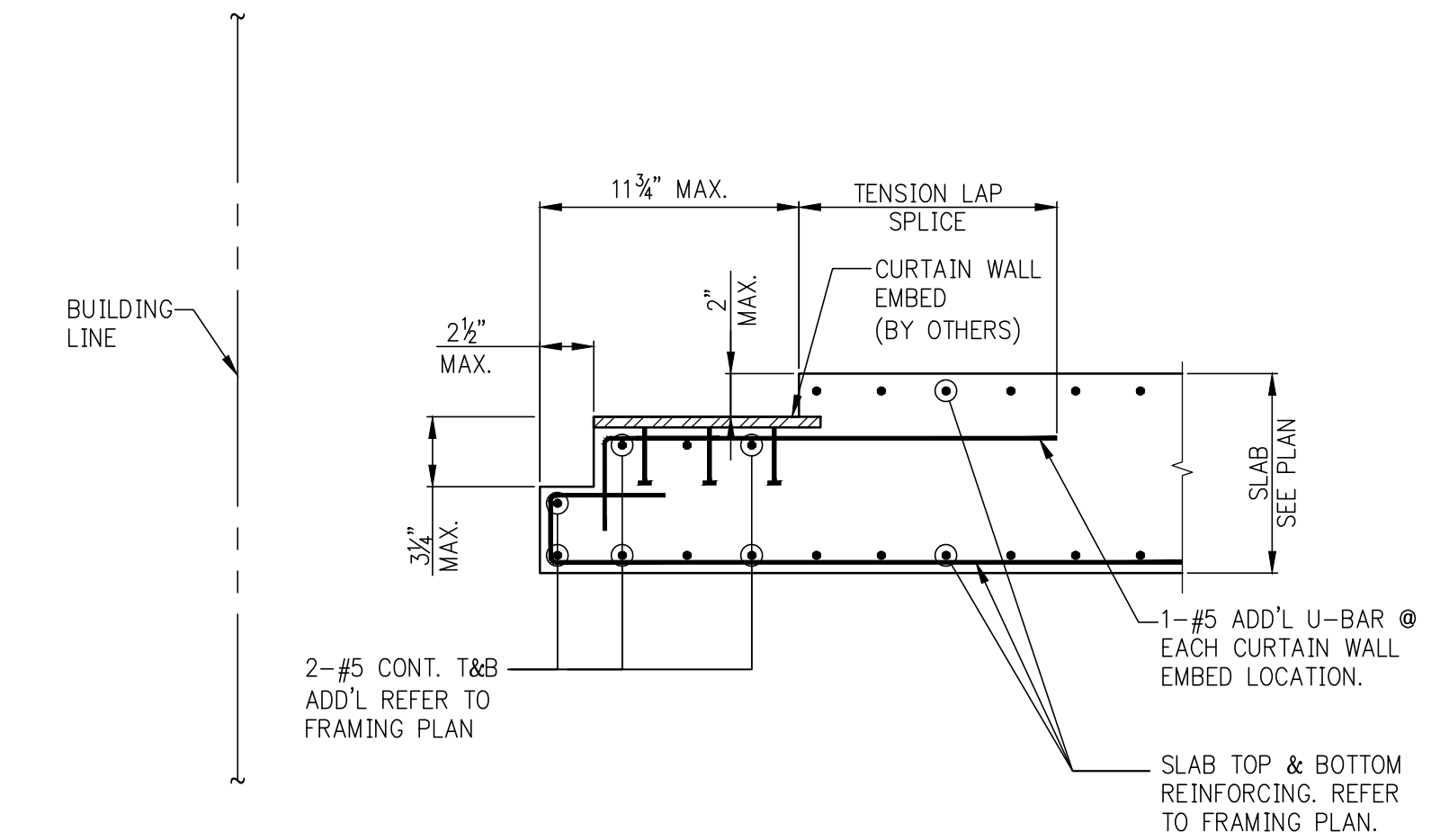
7 SECTION
SCALE: 3/4"=1'-0"



8 TYPICAL SLAB EDGE DETAIL AT BRICK FACADE WITH CMU BACK-UP
SCALE: 3/4"=1'-0"
NOTES:
1. REFER TO TYPICAL MASONRY DETAILS ON S-965 AND ARCHITECTURAL DRAWINGS FOR BALANCE OF INFORMATION.

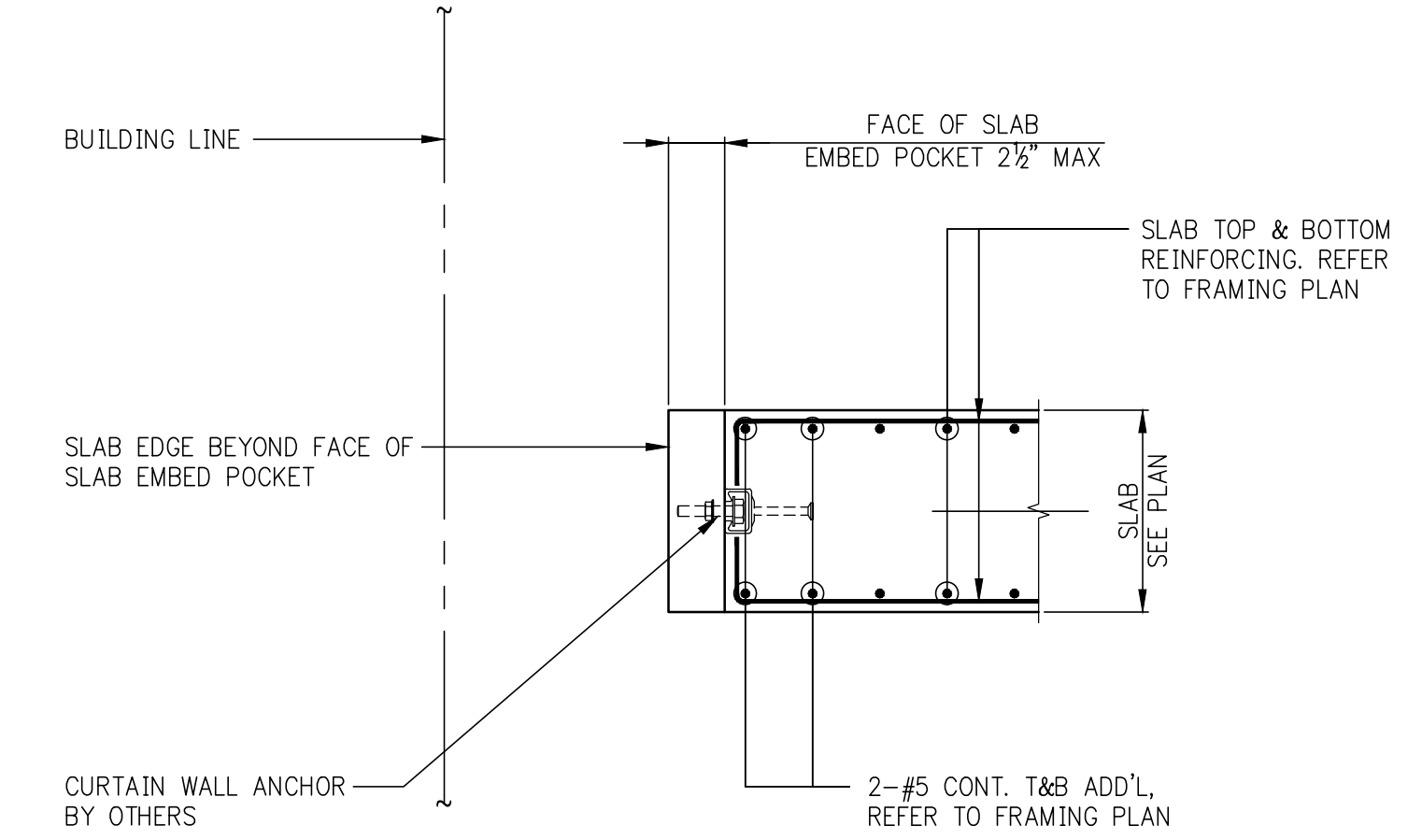


PLAN VIEW

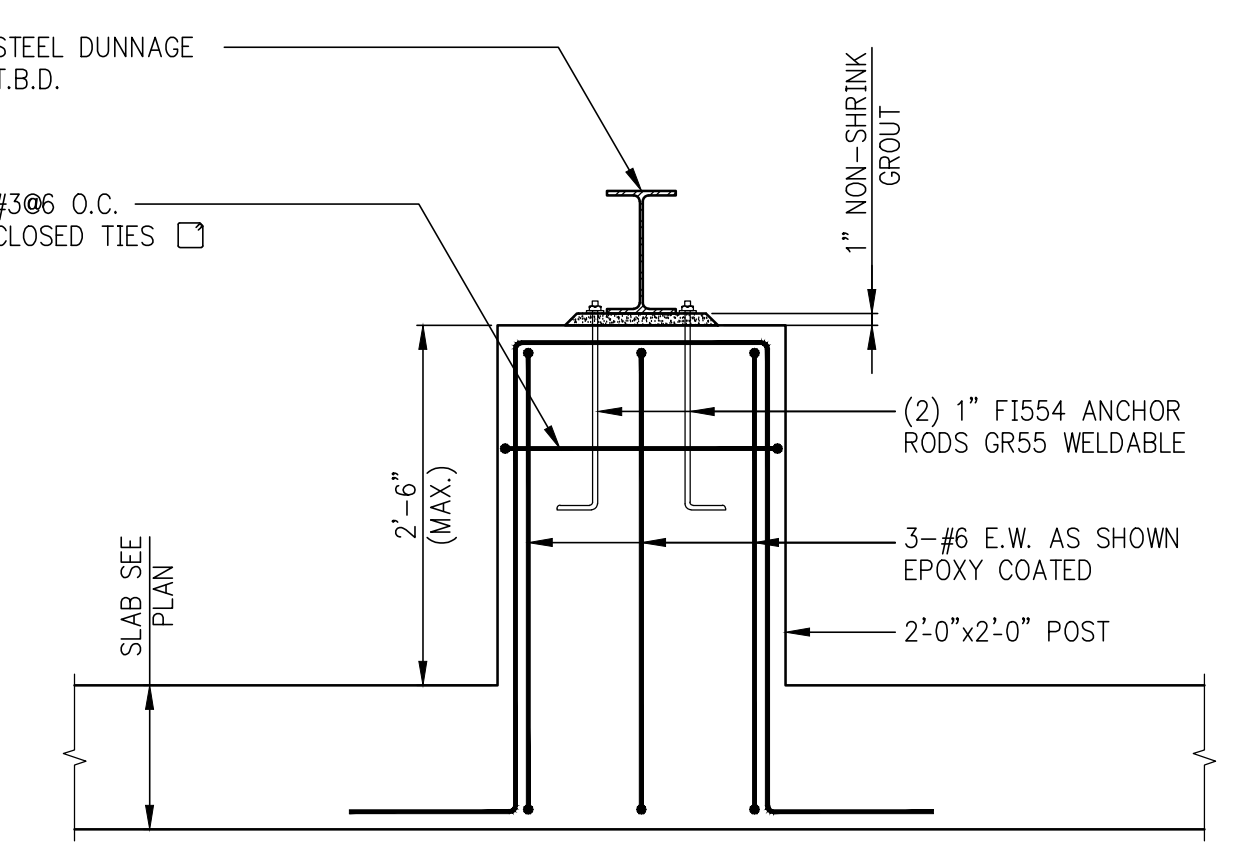


SECTION A

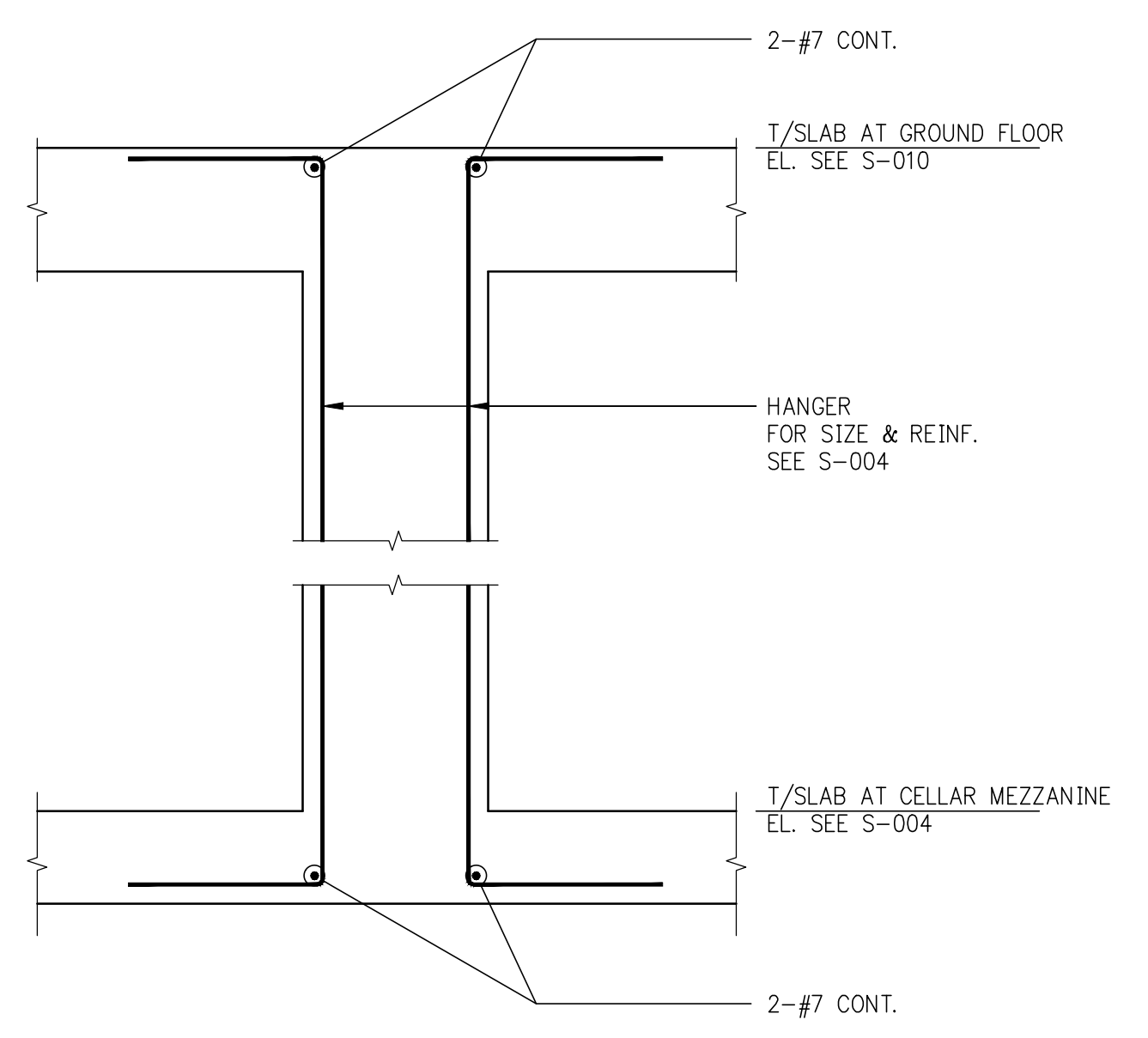
9 TYPICAL SLAB EDGE DETAIL AT TOP OF SLAB BRACKET
SCALE: 3/4"=1'-0"
NOTES:
1. REFER TO ARCHITECTURAL AND CURTAIN WALL DRAWINGS FOR BALANCE OF INFORMATION.



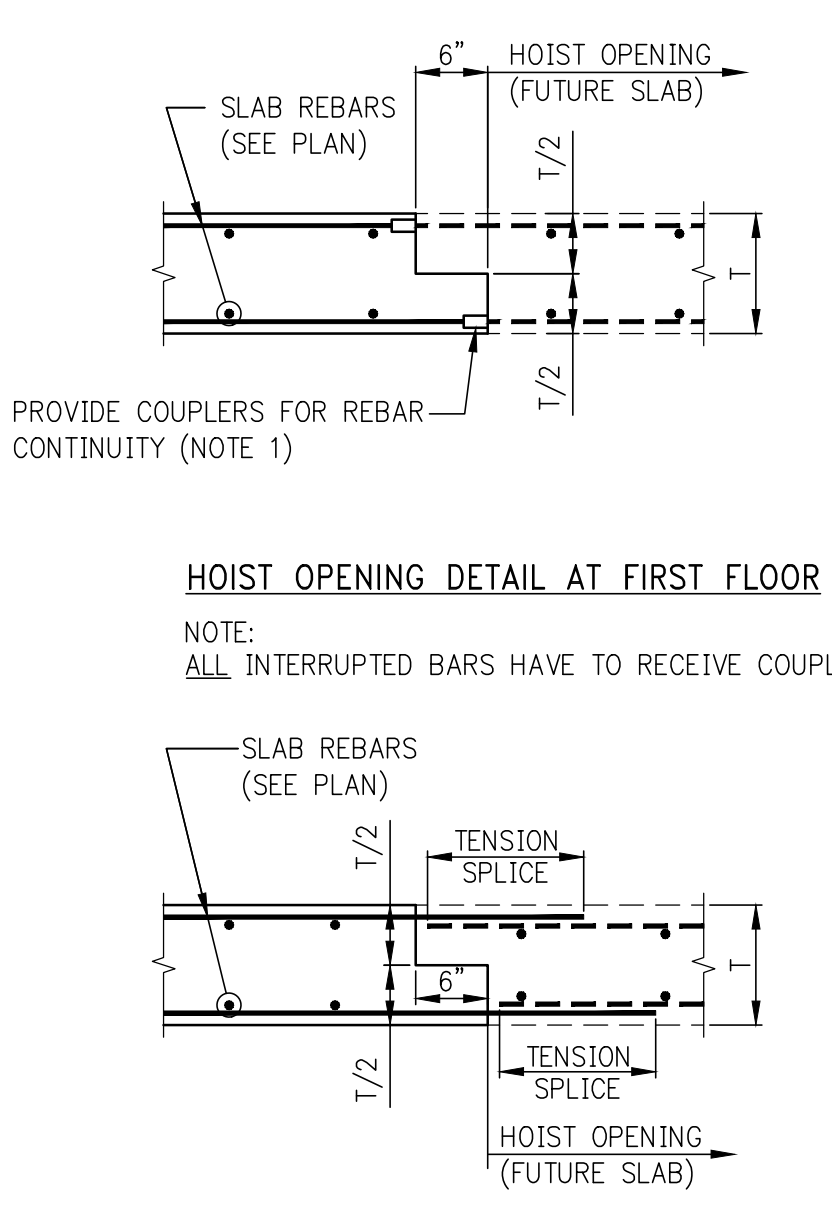
10 TYPICAL SLAB DETAIL AT FACE OF SLAB BRACKET
SCALE: 1/8"=1'-0"
NOTE:
1. REFER TO ARCHITECTURAL AND CURTAIN WALL DRAWINGS FOR BALANCE OF INFORMATION.



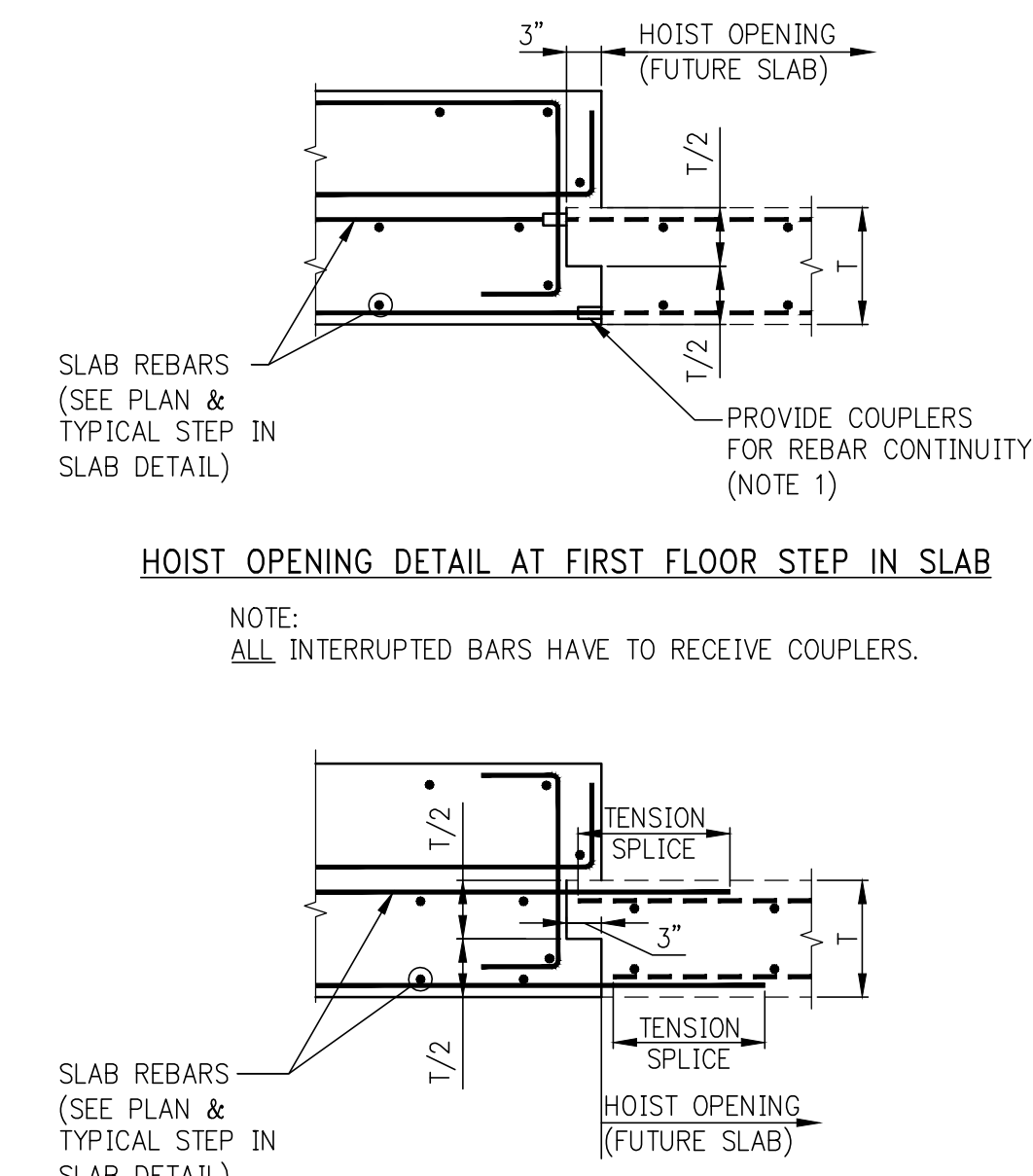
11 TYPICAL SLAB DUNNAGE SUPPORT DETAIL
SCALE: 1/4"=1'-0"
NOTE:
1. REFER TO MECHANICAL AND ARCHITECTURAL DRAWINGS FOR DUNNAGE SUPPORT LOCATIONS.
2. SLAB REINFORCEMENT NOT SHOWN FOR CLARITY.



12 TYPICAL CELLAR MEZZANINE HANGER DETAIL
SCALE: 1/8"=1'-0"
NOTE:
1. FOR BALANCE OF INFORMATION SEE 2/5-004



HOIST OPENING DETAIL AT FIRST FLOOR (ALTERNATE)



HOIST OPENING DETAIL AT FIRST FLOOR STEP IN SLAB (ALTERNATE)

13 TEMPORARY HOIST OPENING DETAILS
SCALE: 3/4"=1'-0"

8	06/02/2017	DOB SUBMISSION
7	04/14/2017	ISSUED FOR CONSTRUCTION
6	03/02/2016	85% CD
5	10/05/2016	80% CD UPDATED SET
4	09/14/2016	80% CD
3	08/01/2016	SUPERSTRUCTURE AWARD SET REV 1
2	04/15/2016	SUPERSTRUCTURE AWARD SET
1	07/01/2015	DOB SUBMISSION
1	10/02/2015	100% CD

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

PROJECT:
RIVERSIDE CENTER BUILDING 3
NEW YORK, NY

EXECUTIVE ARCHITECT:
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11 Broadway, Suite 1700
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DESIGN ARCHITECT:
RICHARD MEIER & PARTNERS
ARCHITECTS, LLP
475 Tenth Avenue
New York, NY 10018
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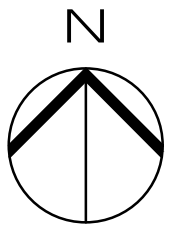
STRUCTURAL ENGINEER:
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CONSULTING ENGINEERS
228 East 45th St, 3rd Floor
New York, NY 10017
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MEP/P ENGINEER:
WSP BUILDING SYSTEMS
CONSULTING ENGINEERS
512 Seventh Avenue
New York, NY 10018
Tel: (212) 532-9600

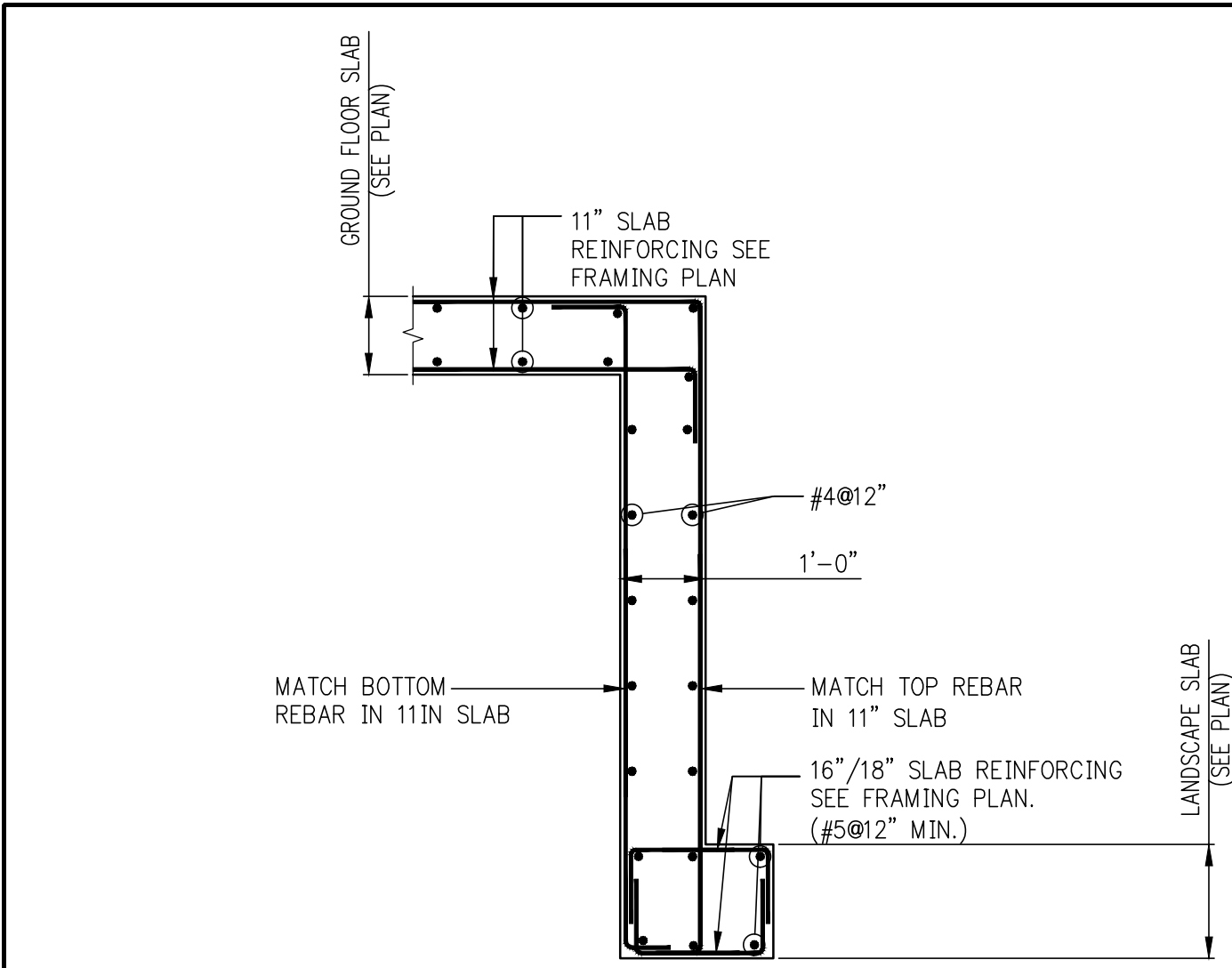
DOB STAMPS & SIGNATURES:
Victor Daza
APPROVED
Under Executive Order 1975
EXPIRATION DATE: 03/04/2018
NYC Development Hub

DWG TITLE:
SUPERSTRUCTURE
SECTIONS 1
NB#XXXXXXXX

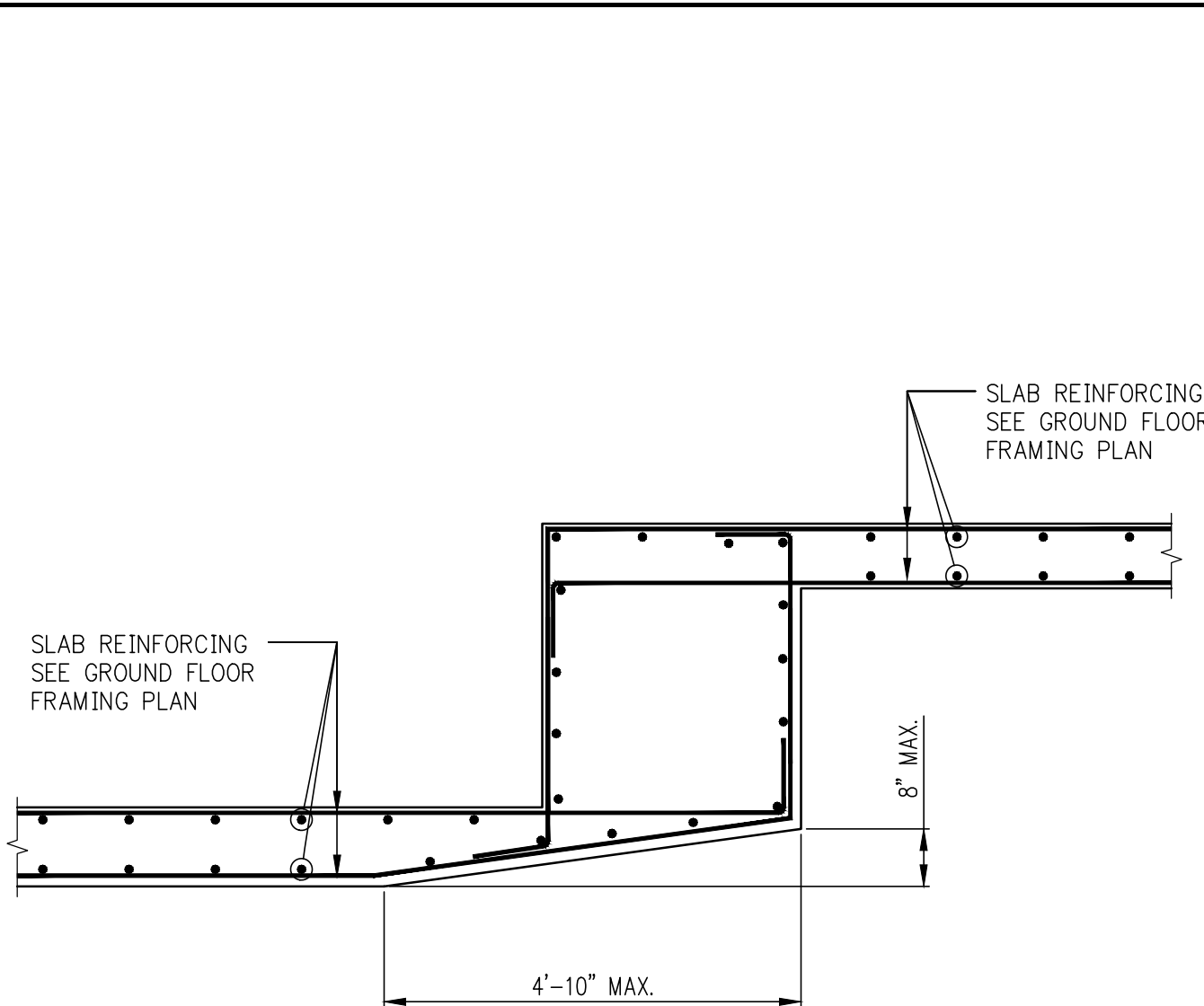
SEAL & SIGNATURE:
DATE: 07/01/2015
PROJECT #: 180104
SCALE: AS NOTED
S-970.00
DWG NO.



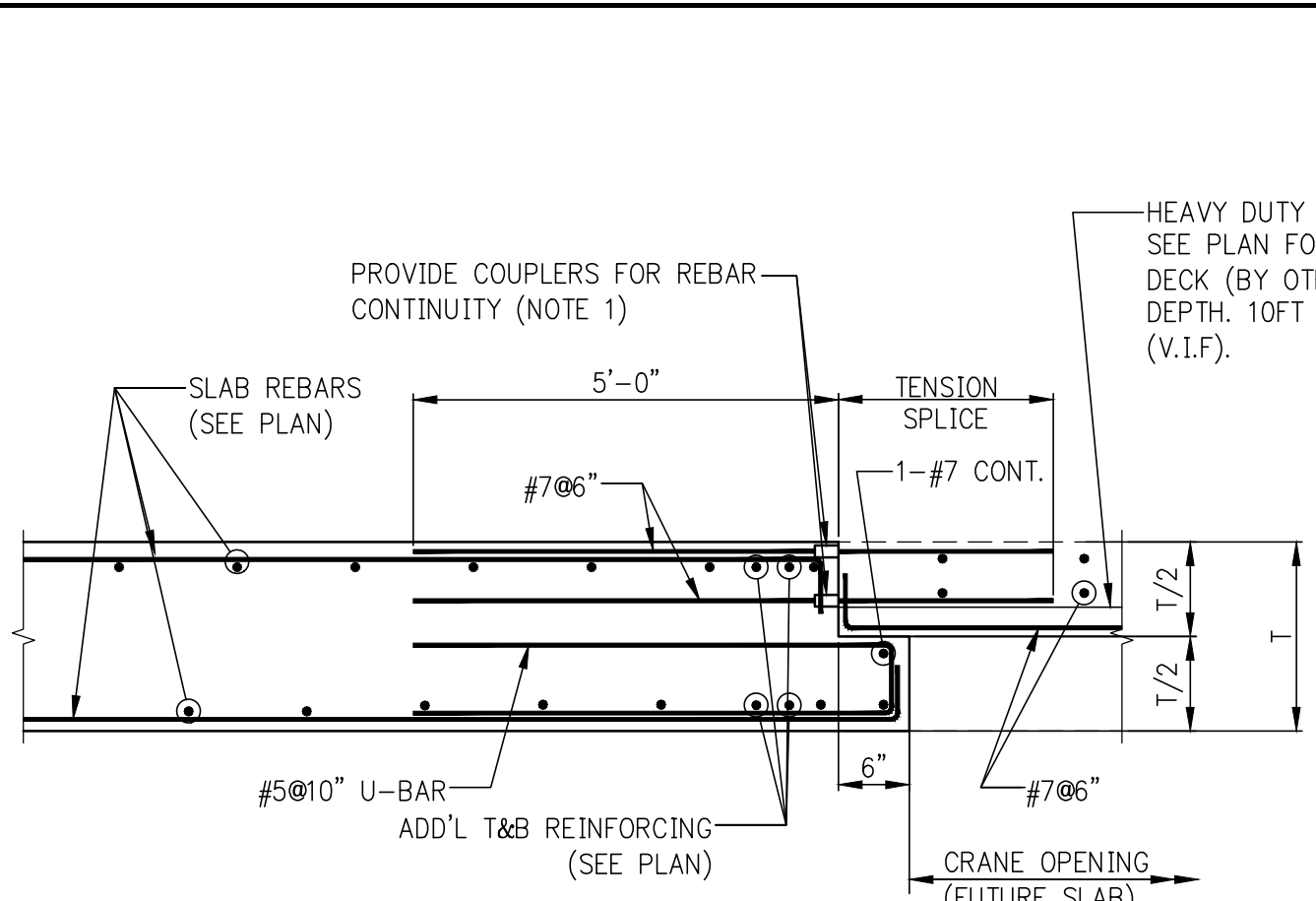
KEY PLAN



1 SECTION
S-971 SCALE: 3/8"=1'-0"

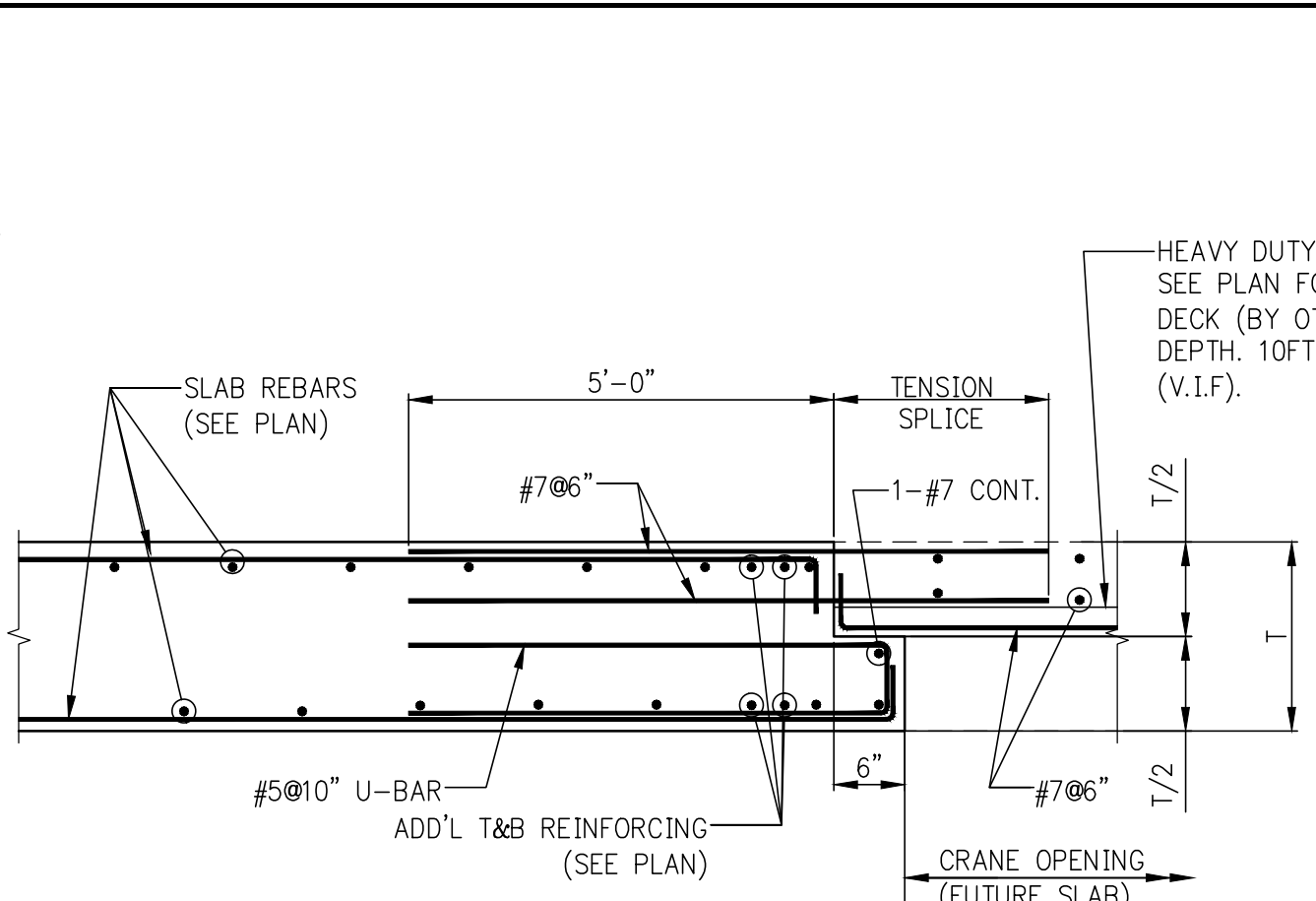


2 SECTION
S-971 SCALE: 3/8"=1'-0"
NOTES:
1. FOR BALANCE OF INFORMATION REFER TO DROP IN SLAB TYPICAL DETAIL ON DRAWING S-961

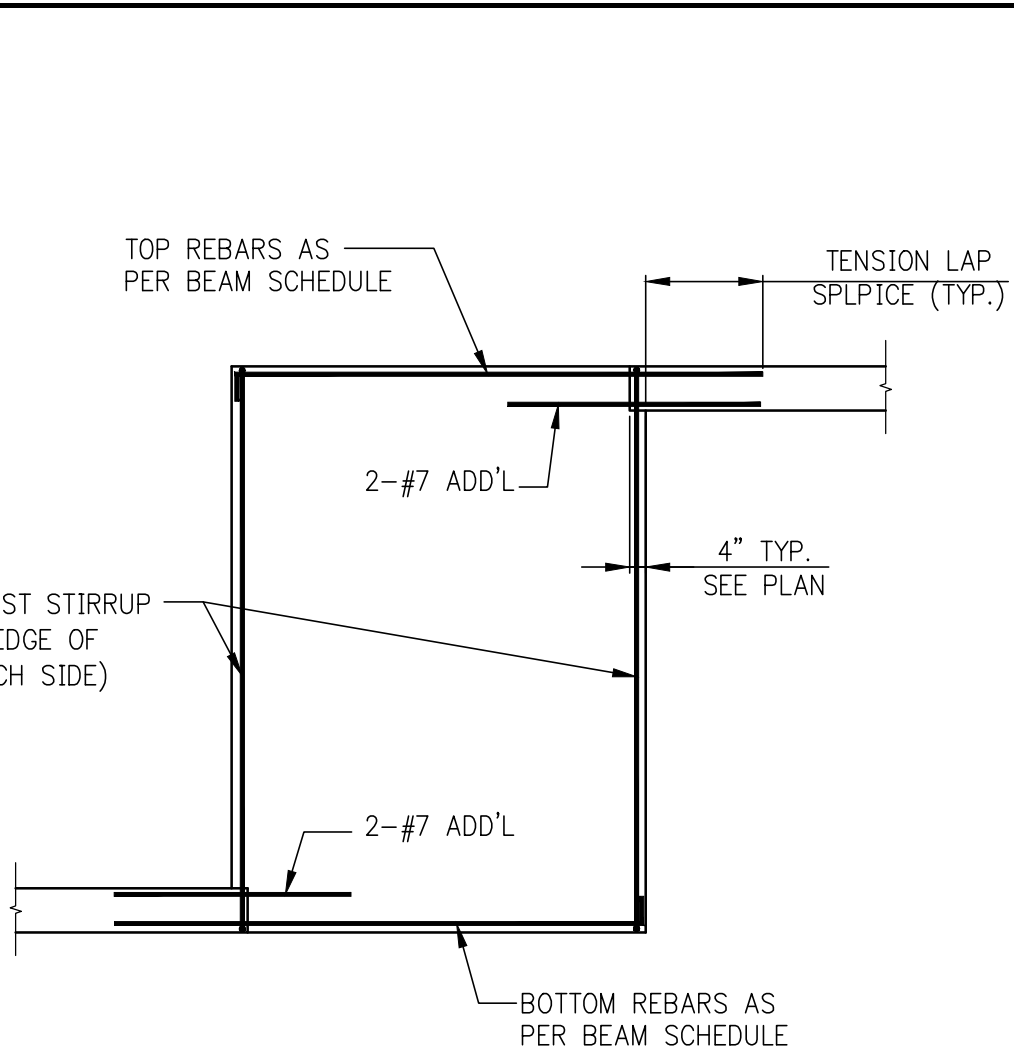


CRANE OPENING DETAIL AT FIRST FLOOR
NOTE:
ALL INTERRUPTED BARS HAVE TO RECEIVE COUPLERS.

3 SECTION
S-971 SCALE: 3/8"=1'-0"

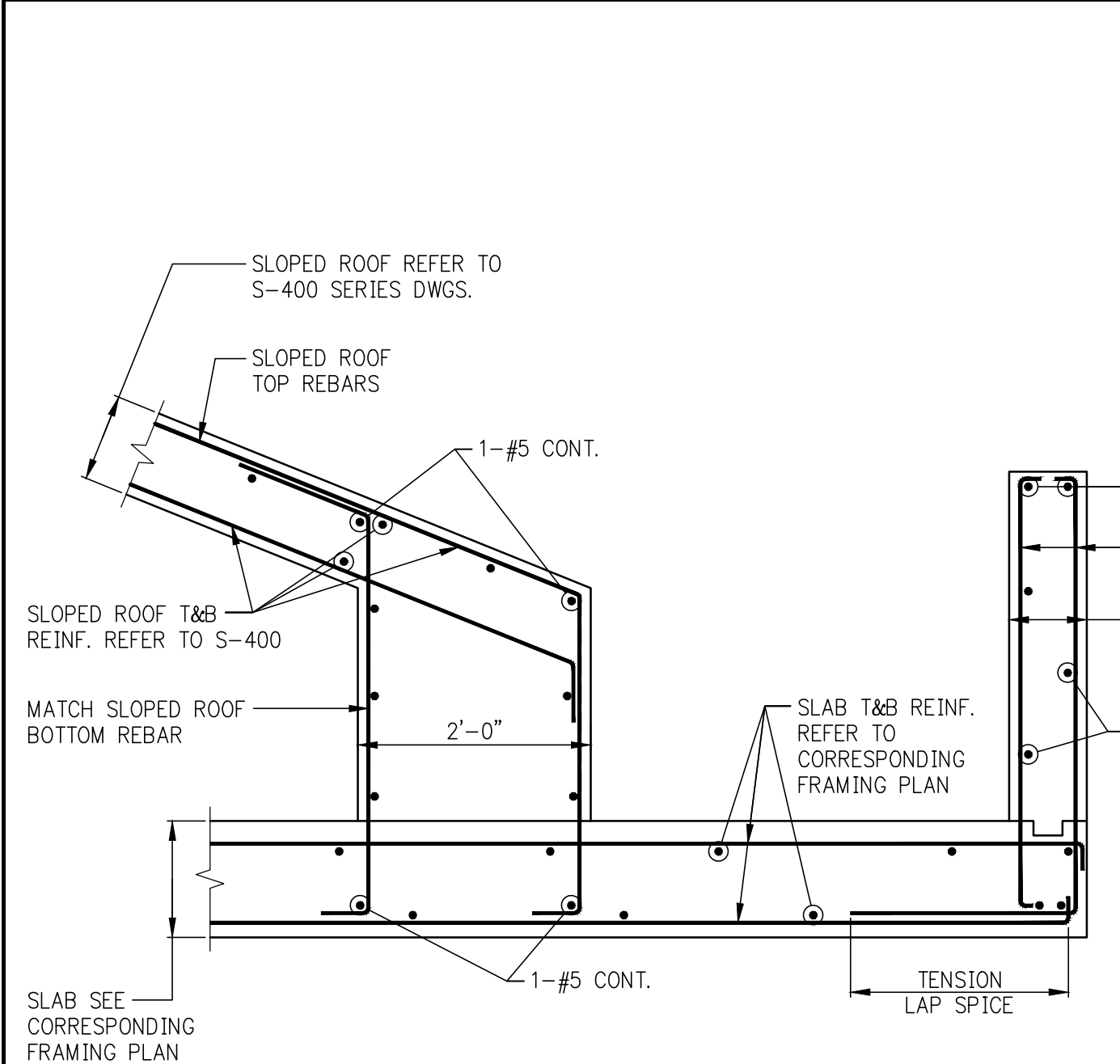


CRANE OPENING DETAIL AT FIRST FLOOR (ALTERNATE)

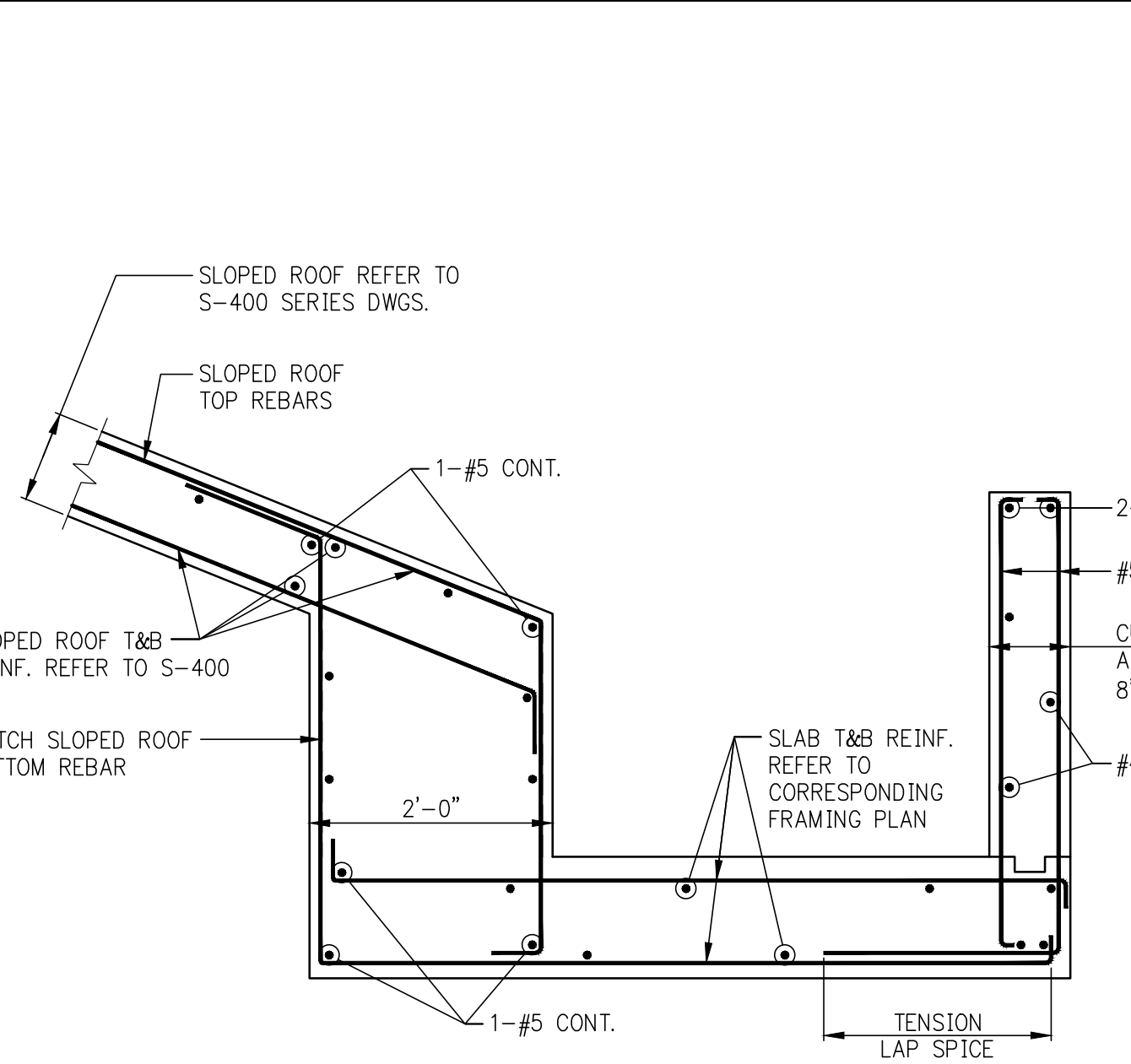


4 SECTION
S-971 SCALE: 3/8"=1'-0"

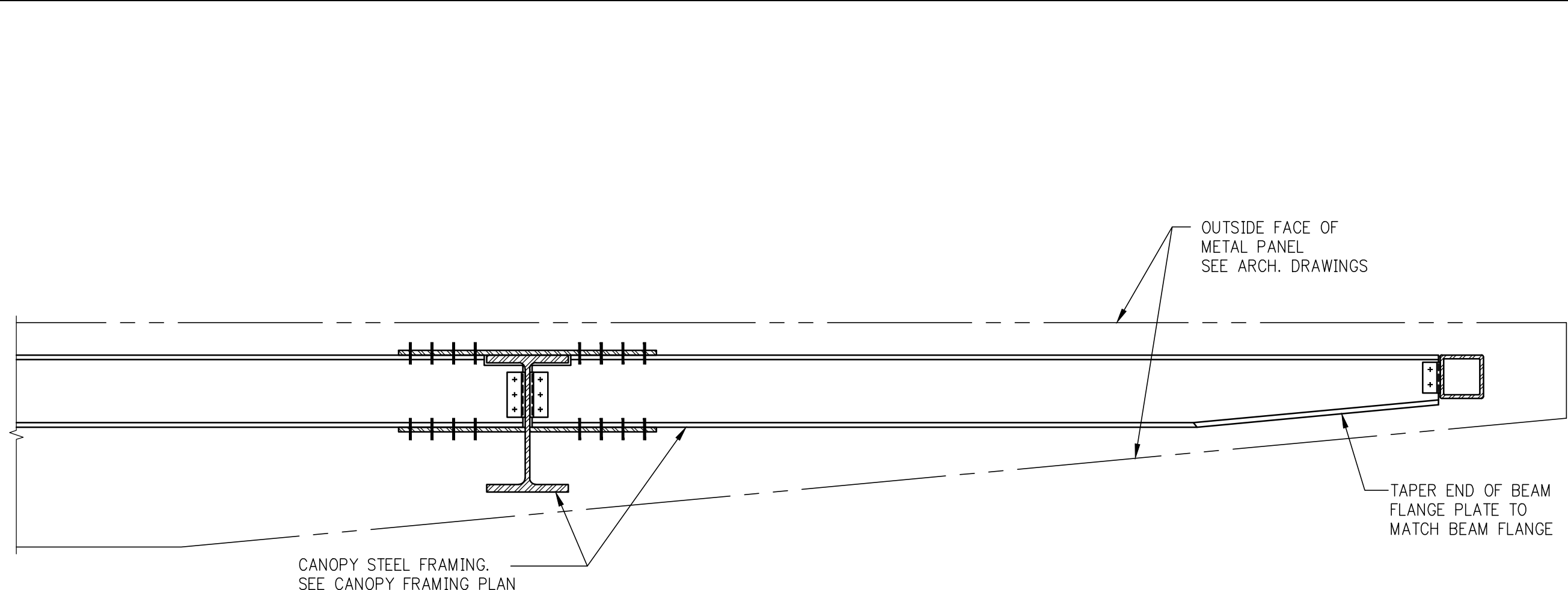
- NOTES:
1. REFER TO S-012 AND BEAM SCHEDULE ON S-010 FOR BALANCE OF INFORMATION.
2. BALANCE OF REINFORCING NOT SHOWN FOR CLARITY. REFER TO BEAM SCHEDULE ON S-010 FOR REINFORCING.



5 SECTION
S-971 SCALE: 3/8"=1'-0"

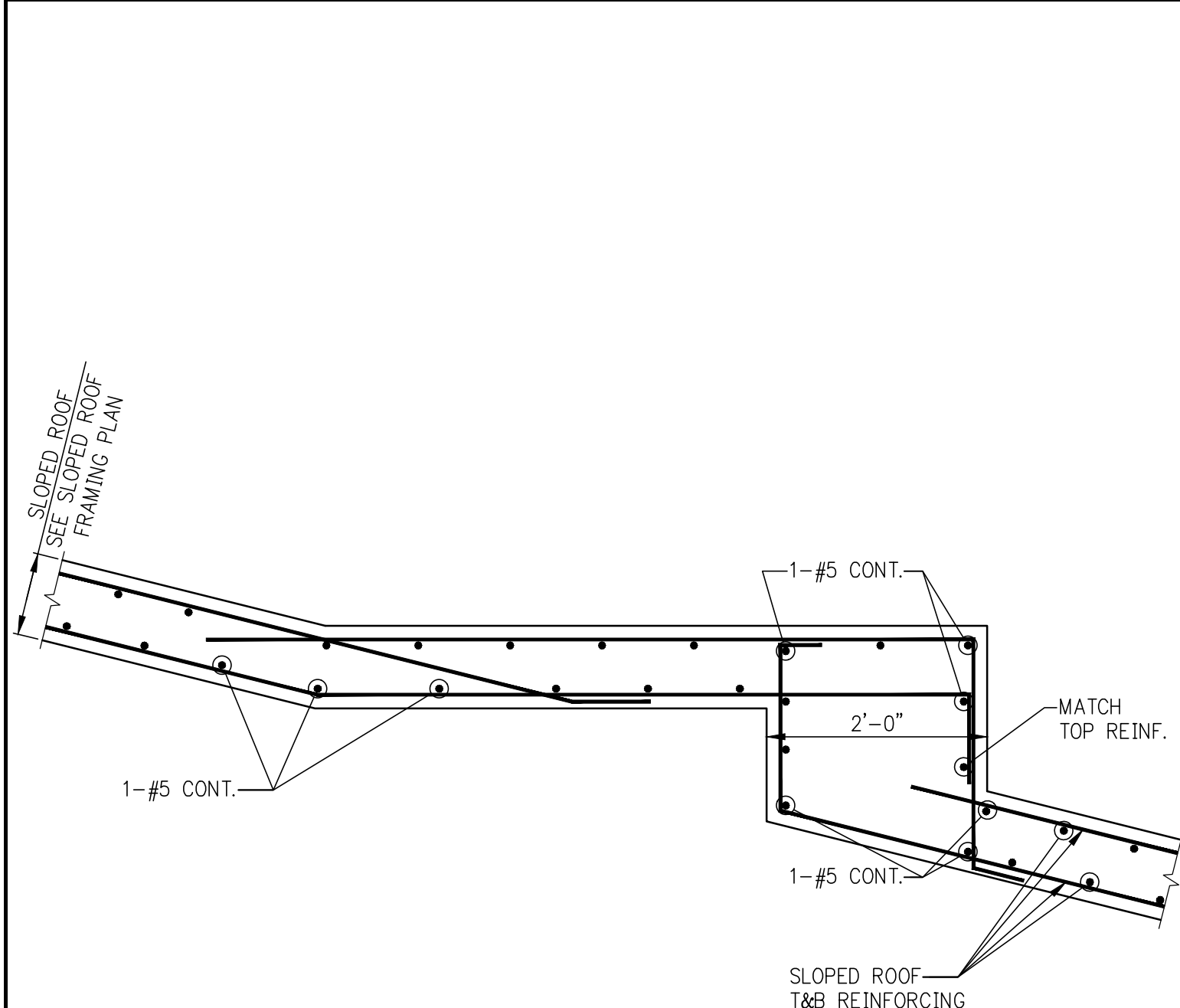


6 SECTION
S-971 SCALE: 3/8"=1'-0"

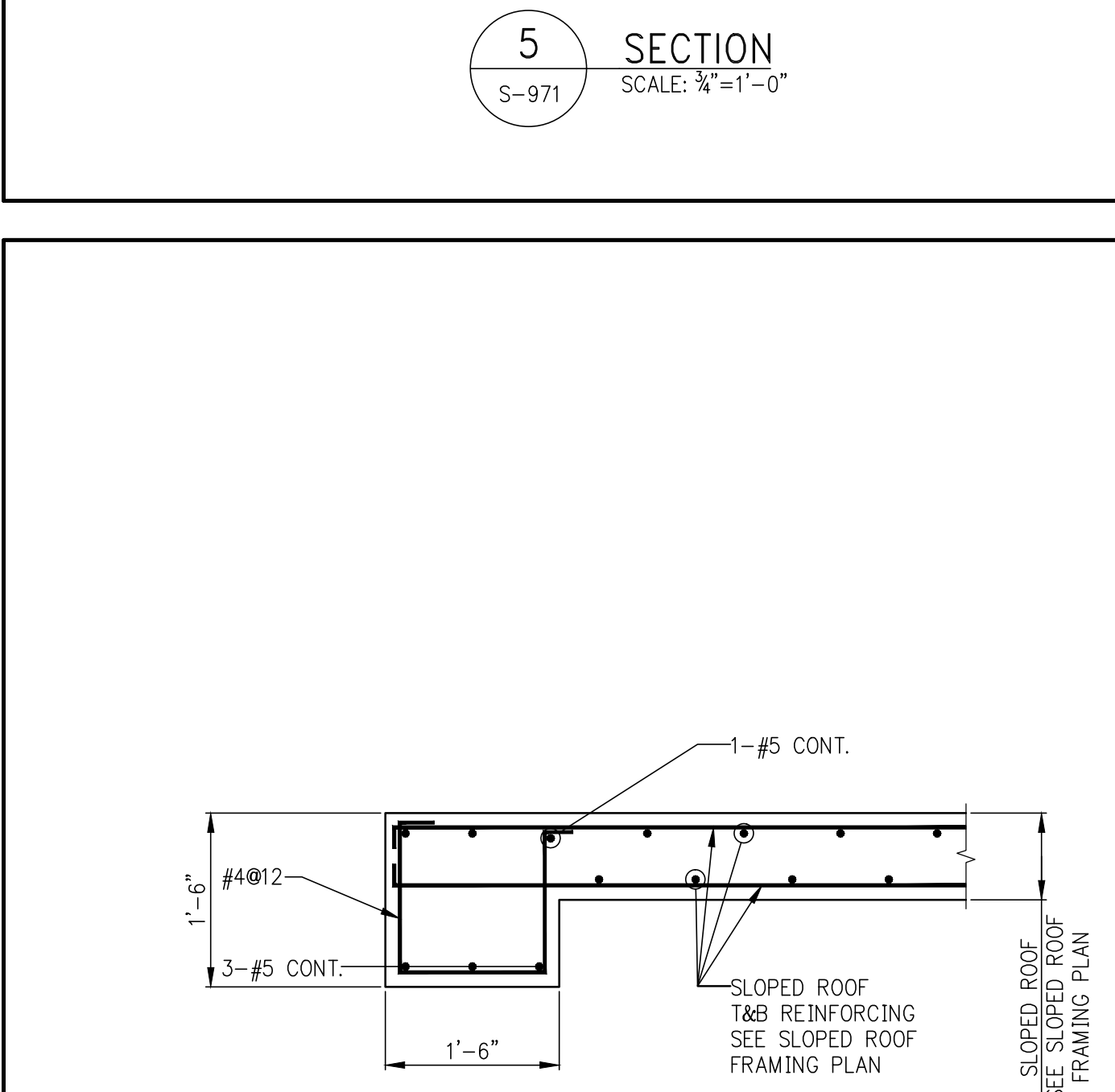


7 SECTION
S-971 SCALE: 3/8"=1'-0"

- NOTES:
1. REFER TO S-820 FOR REQ'D CONNECTION CAPACITIES.
2. REFER TO TYPICAL STEEL DETAILS FOR CONNECTION DETAILS.
3. REFER TO ARCHITECTURAL DRAWINGS FOR ALL DIMENSIONS AND ELEVATIONS



8 SECTION
S-971 SCALE: 3/8"=1'-0"



9 SECTION
S-971 SCALE: 3/8"=1'-0"

2	08/02/2017	DOB SUBMISSION
1	04/14/2017	ISSUED FOR CONSTRUCTION
Number:	Date:	Revision:

OWNER:
GID DEVELOPMENT
125 HIGH STREET
HIGH STREET TOWER, 27TH FLOOR
BOSTON, MA 02110

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DOB STAMPS & SIGNATURES:

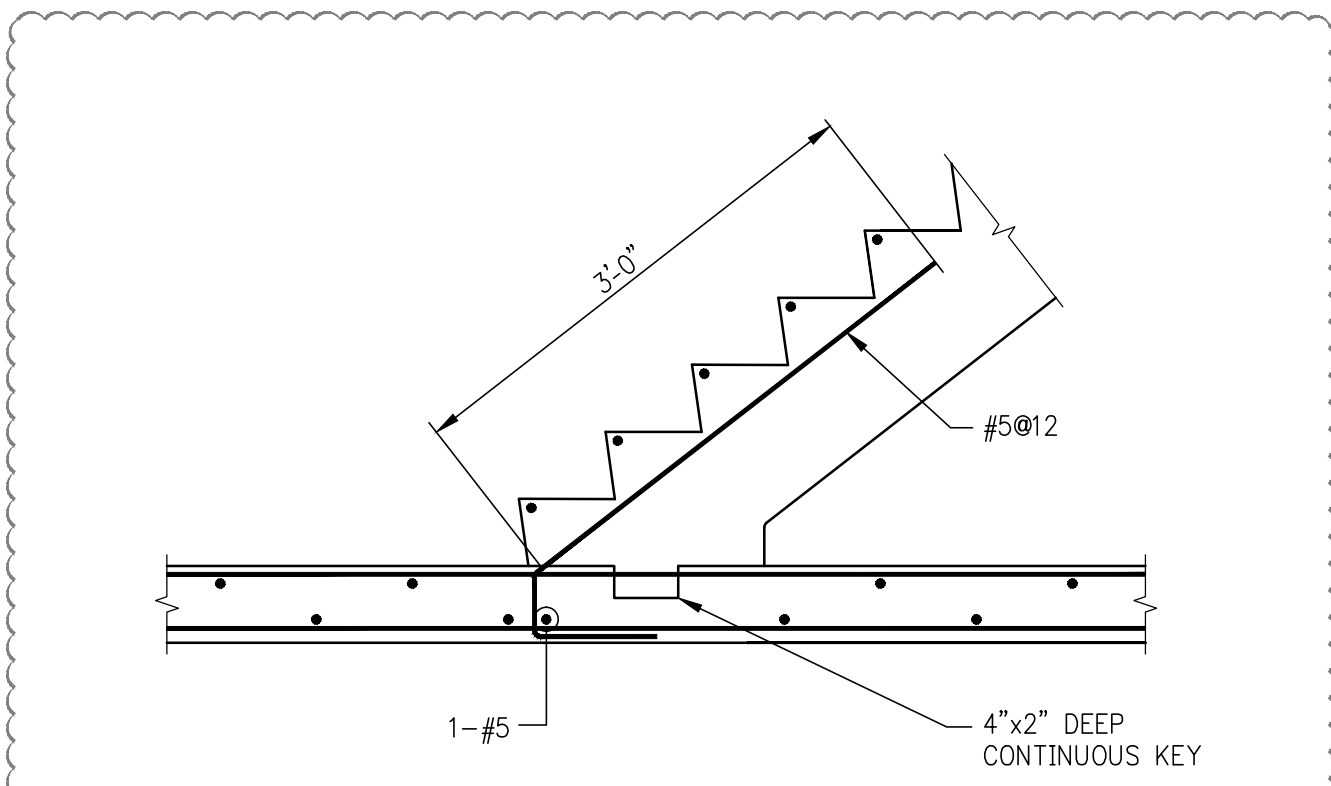
DWG TITLE:
SUPERSTRUCTURE
SECTIONS 2
NB#XXXXXXXX

SEAL & SIGNATURE:

DATE: 07/01/2015
PROJECT #: 188104
SCALE: AS NOTED
DWG NO: **S-971.00**



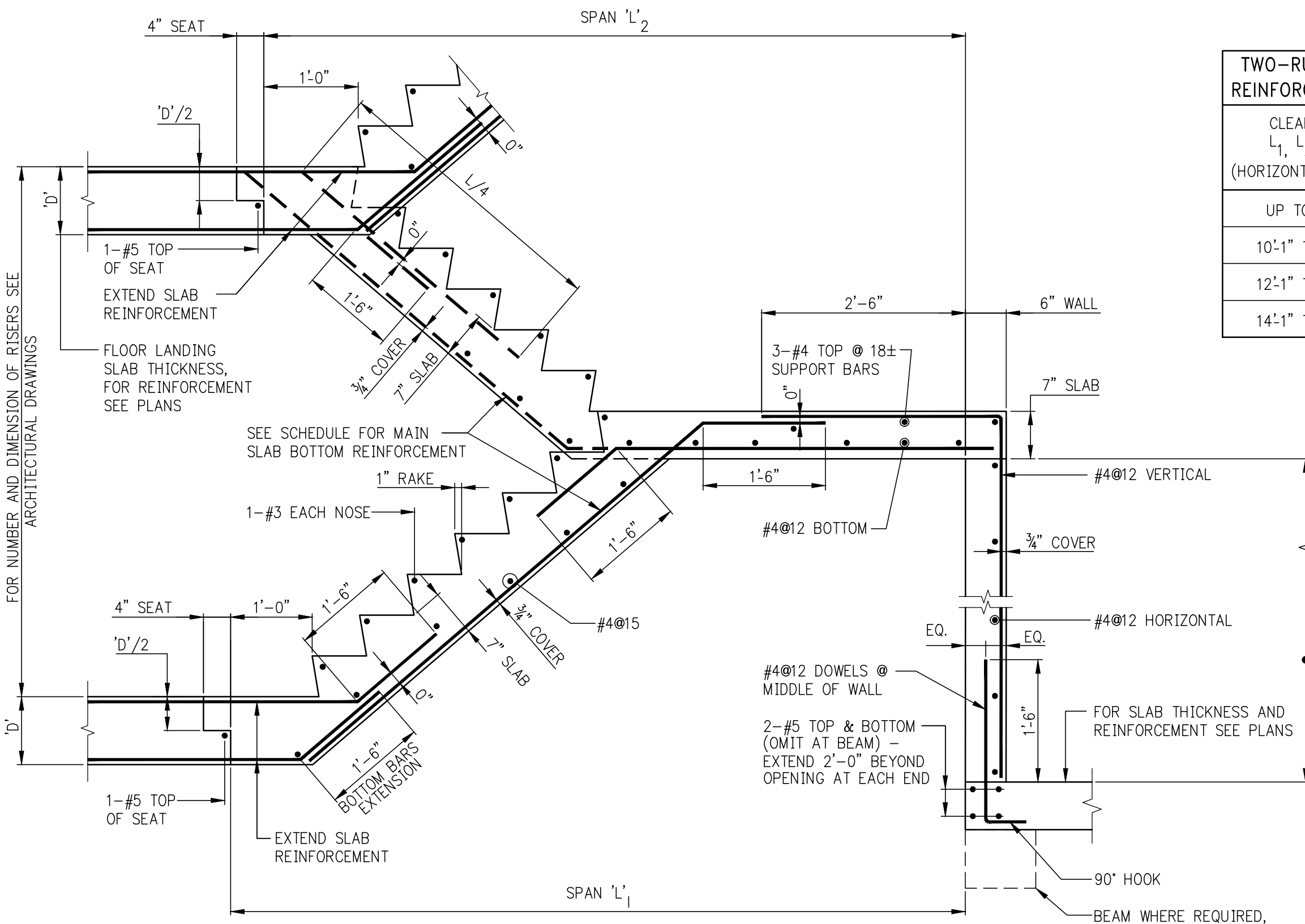
KEY PLAN



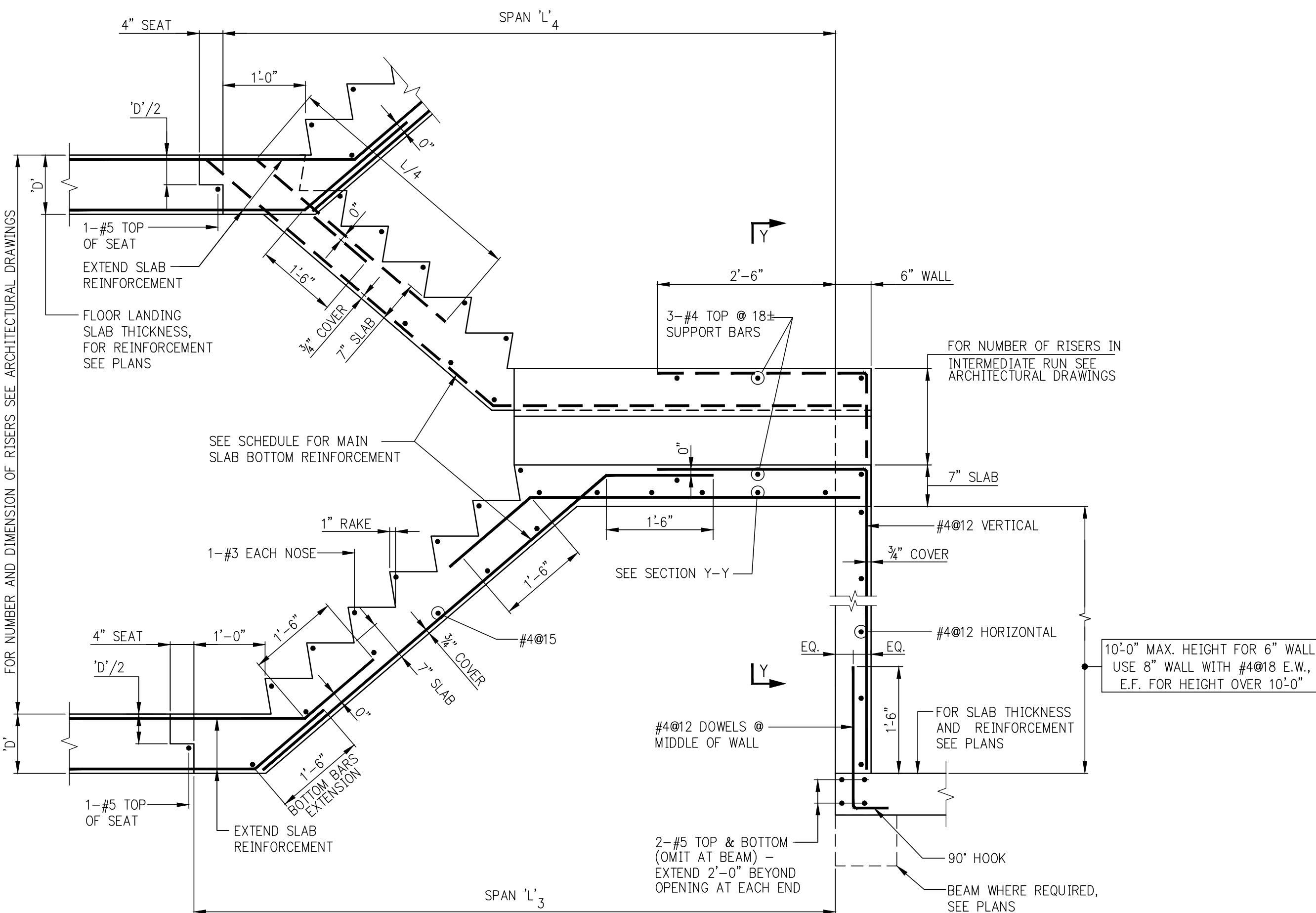
TYPICAL BASE OF STAIR DETAIL AT FRAMED SLAB

NOTE: REFER TO APPLICABLE TYPICAL STAIR DETAIL FOR BALANCE OF INFORMATION

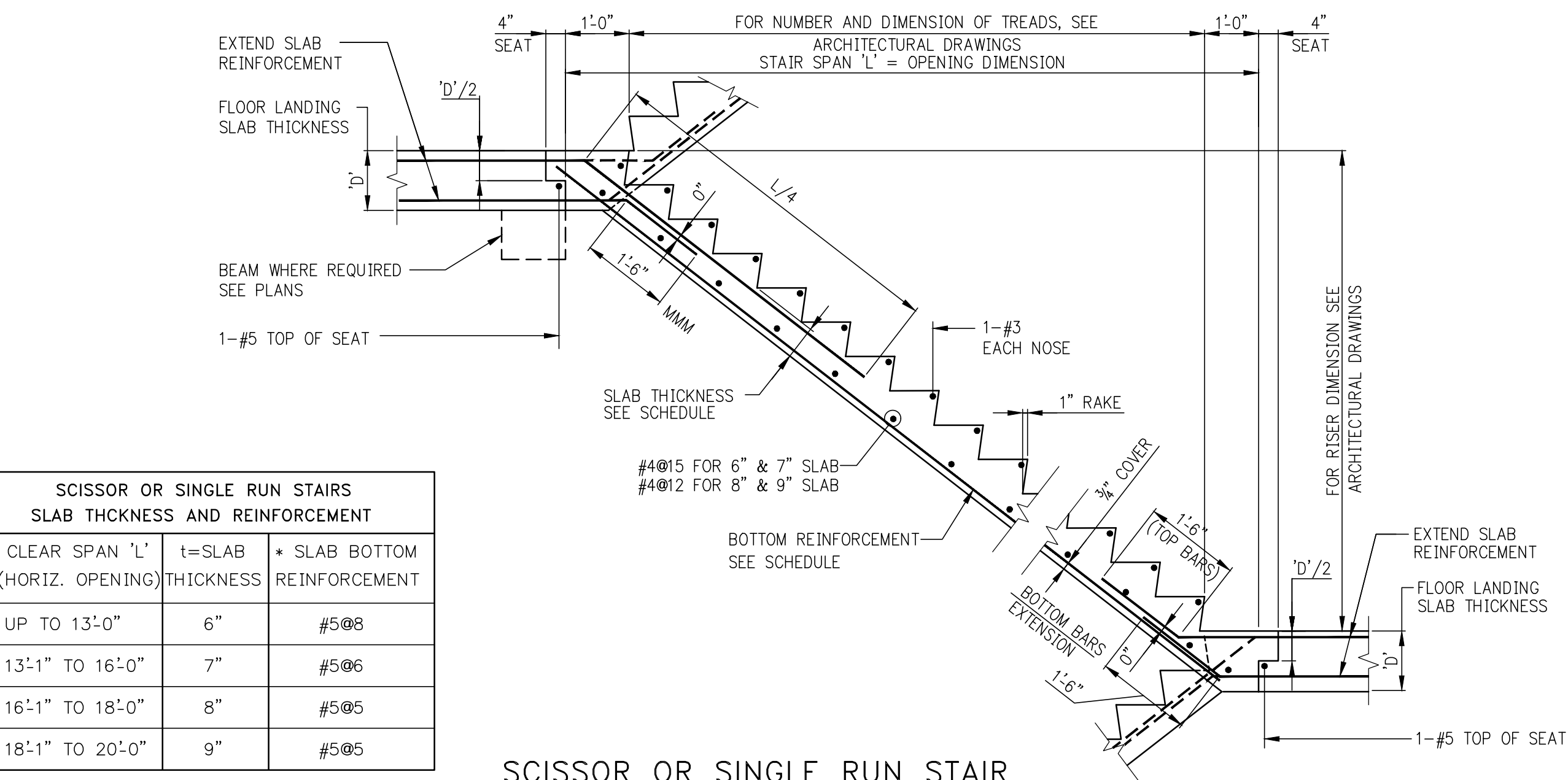
TWO-RUN OR THREE-RUN STAIRS REINFORCEMENT FOR SLAB "I" = 7"	
CLEAR SPAN L ₁ , L ₂ , L ₃ , L ₄ (HORIZONTAL OPENING)	SLAB MAIN BOTTOM REINFORCEMENT
UP TO 10'-0"	#4@8
10'-1" TO 12'-0"	#4@6
12'-1" TO 14'-0"	#5@8
14'-1" TO 16'-0"	#5@6



TWO-RUN STAIR

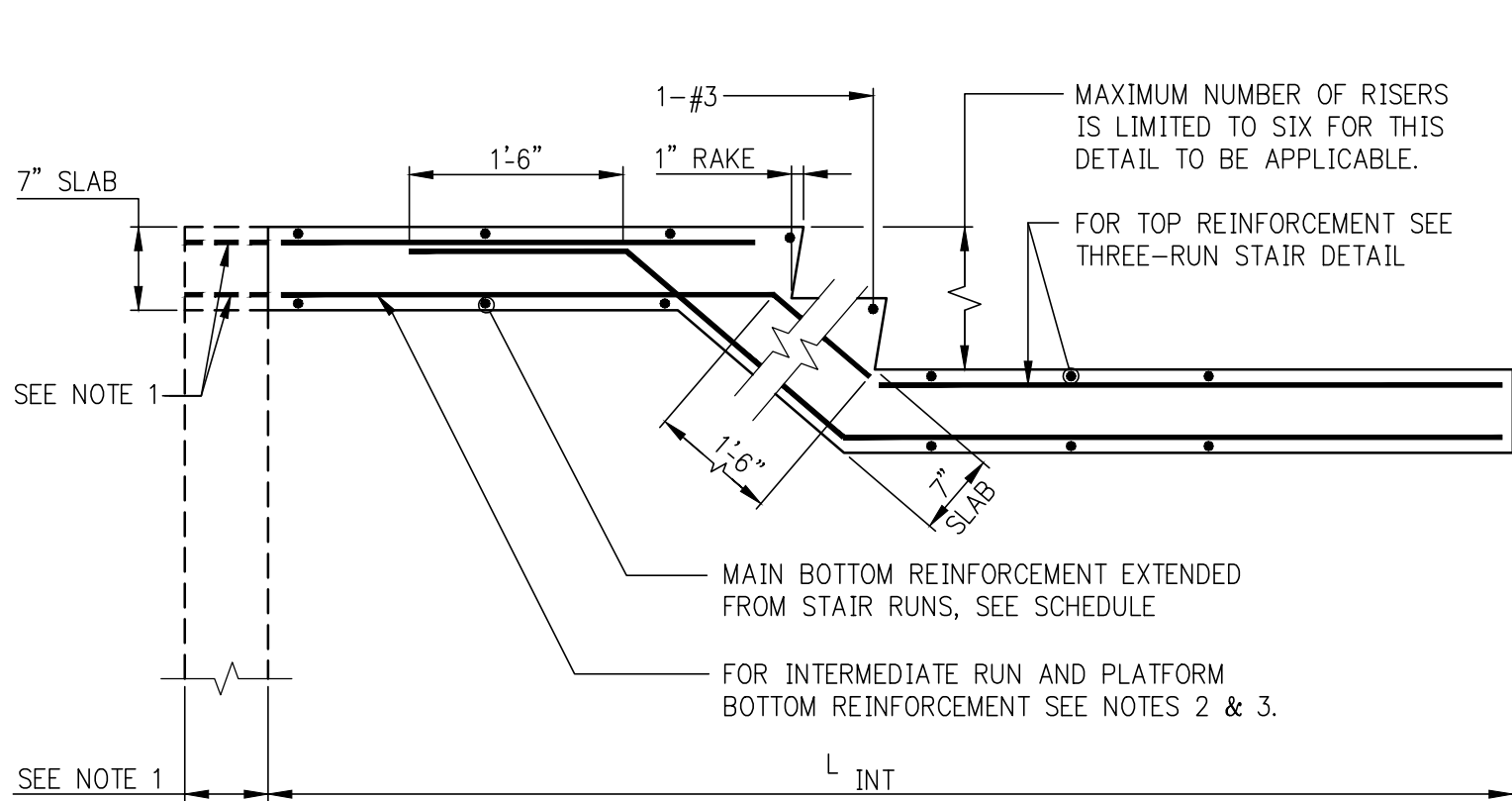


THREE-RUN STAIR



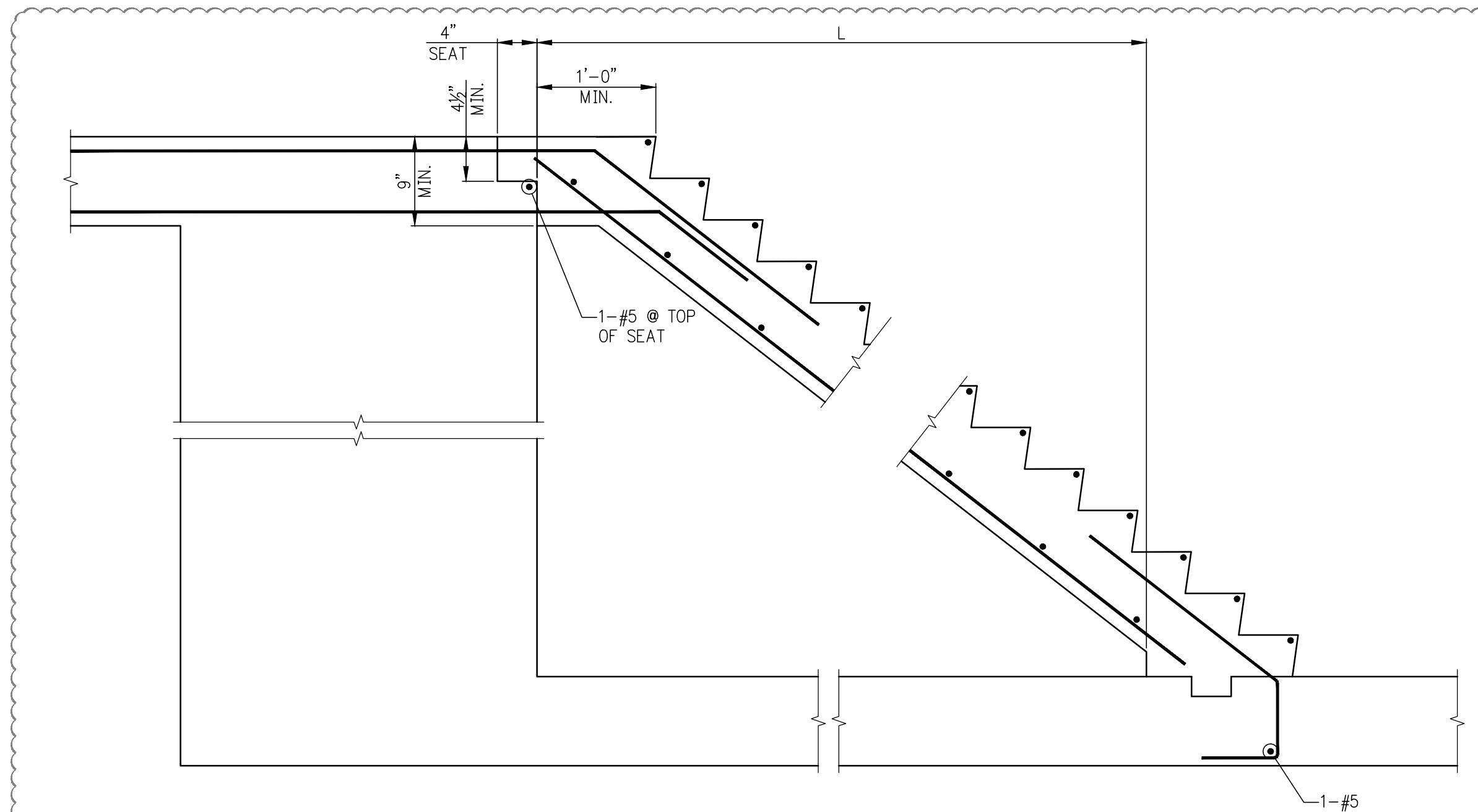
SCISSOR OR SINGLE RUN STAIR

FOR FLOOR REINFORCEMENT EXTENDED INTO STAIR SLAB, SEE FRAMING PLANS.



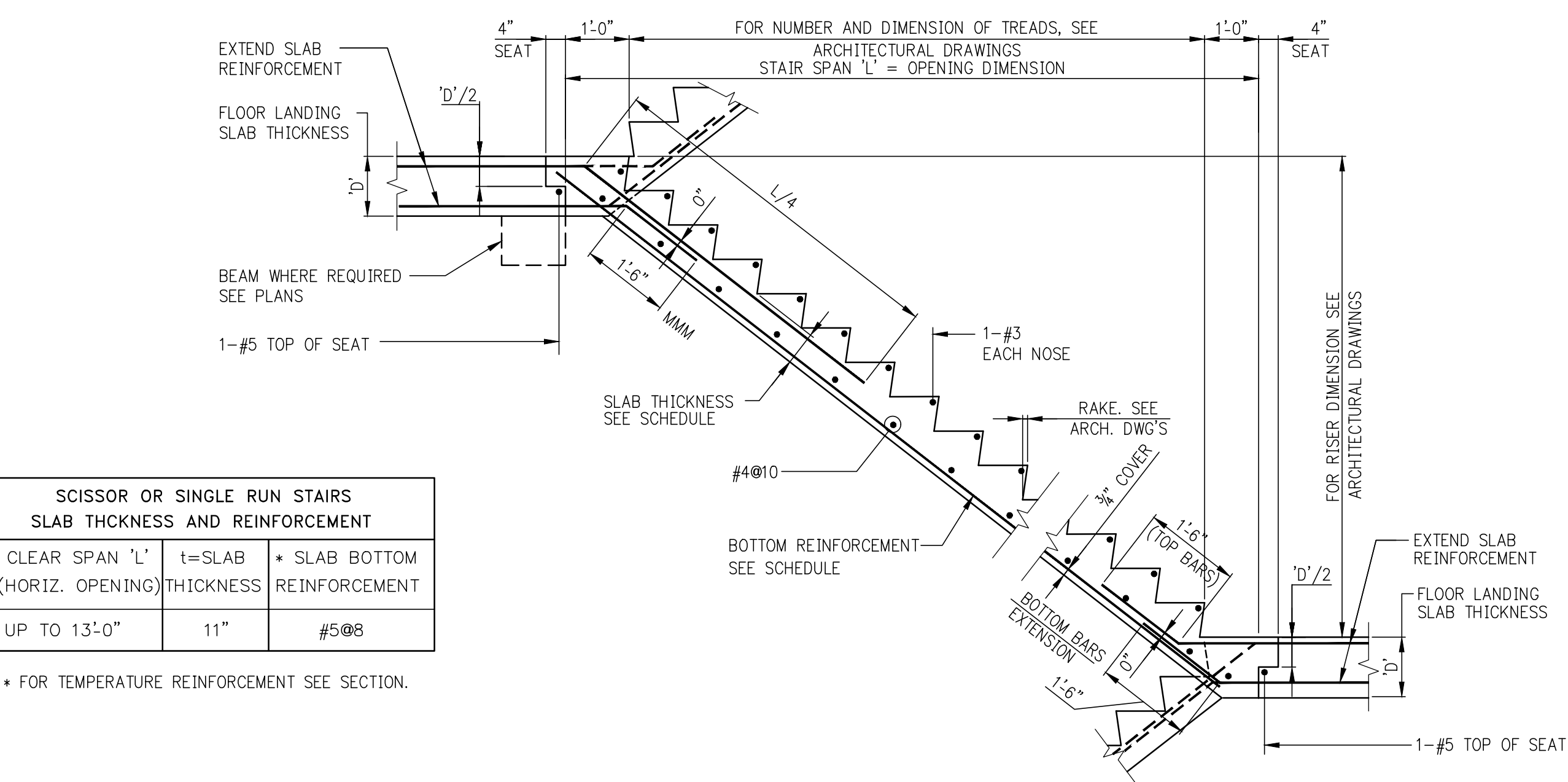
SECTION Y-Y
(AT THREE-RUN STAIR)

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



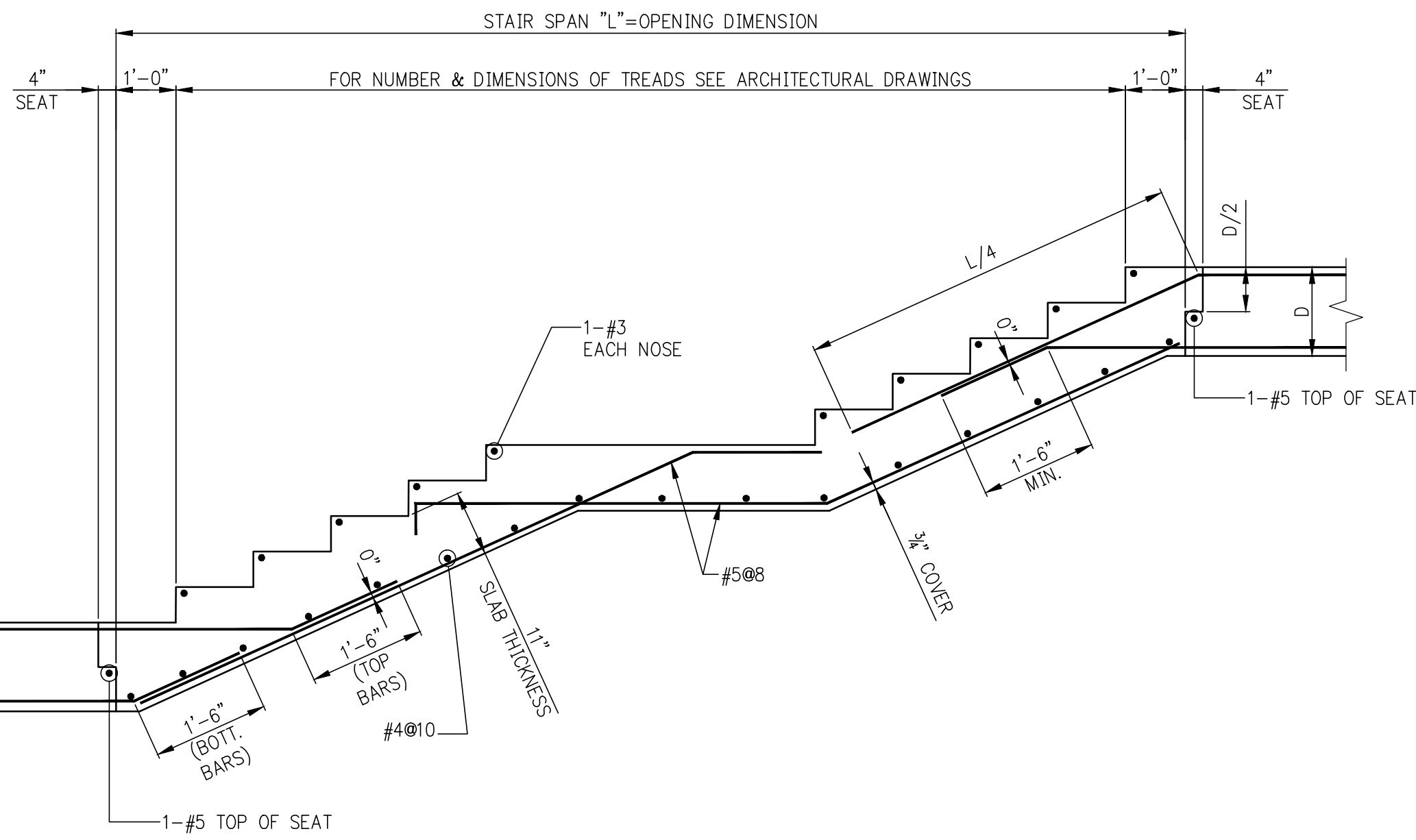
TYPICAL STAIR DETAIL AT STEP IN SLAB

- NOTE:
1. SLAB AND STEP REINFORCING NOT SHOWN FOR CLARITY. REFER TO FRAMING PLAN AND TYPICAL DETAILS FOR REINFORCING.
 2. REFER TO SCISSOR OR SINGLE RUN STAIR TYPICAL DETAIL FOR STAIR INFORMATION.



SCISSOR OR SINGLE RUN LANDSCAPE STAIR

FOR FLOOR REINFORCEMENT EXTENDED INTO STAIR SLAB, SEE FRAMING PLANS.



LANDSCAPE STAIR WITH INTERMEDIATE LANDING (L<15')

FOR FLOOR REINFORCEMENT EXTENDED INTO STAIR SLAB, SEE FRAMING PLANS.

9	06/02/2017	DOB SUBMISSION
8	04/14/2017	ISSUED FOR CONSTRUCTION
7	12/02/2016	85% CD
6	10/05/2016	85% CD UPDATED SET
5	04/15/2016	SUPPLEMENTAL AWARD SET
4	07/31/2015	DOB SUBMISSION
3	01/20/2015	100% CD
2	03/20/2015	50% CD
1	03/06/2015	DOB FLING

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Tel: (212) 532-9600

DOB STAMPS & SIGNATURES:
Victor Daza
APPROVED
Under Executive of 1975
EXEMPTED FROM REGISTRATION
Date: 02/04/2018
NYC Development Hub

DWG TITLE:
TYPICAL STAIR DETAILS

NB#XXXXXXXX

SCALE: AS NOTED

DATE: 07/03/2015

PROJECT # 180104

SCALE: AS NOTED

S-980.00

DWG NO.