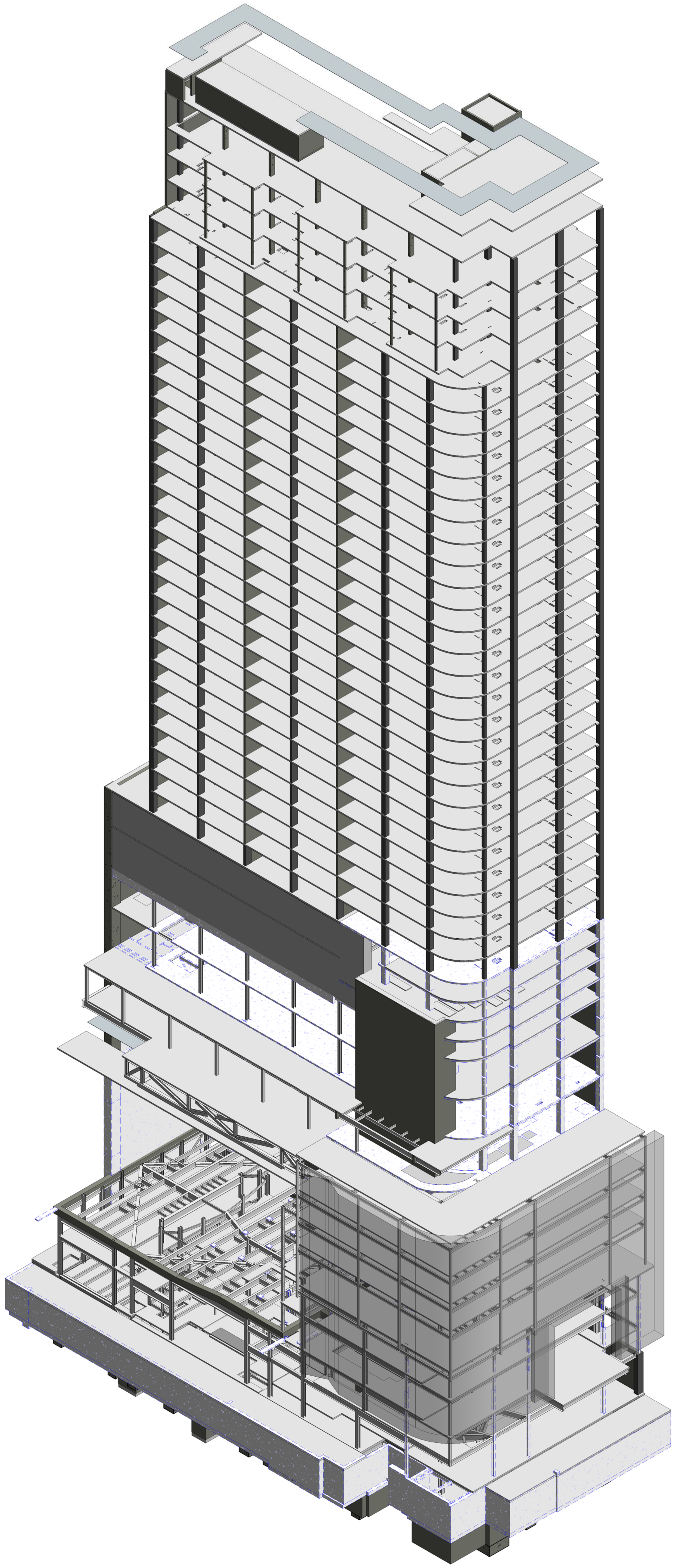

3D ISOMETRIC VIEW

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FO-202	FOUNDATION SECTIONS II
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S-021	CONCEPTUAL DEMOLITION SCOPE-EXISTING 11TH FLOOR (EL 207'-9 3/8")
S-022	CONCEPTUAL DEMOLITION SCOPE-EXISTING 12TH FLOOR (EL 216'-5 7/8")
S-023	CONCEPTUAL DEMOLITION SCOPE-EXISTING 13TH FLOOR (EL 225'-2 3/8")
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S-025	CONCEPTUAL DEMOLITION SCOPE-EXISTING 15TH FLOOR (EL 242'-7 3/8")
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PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
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New York, NY 10011
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Norwalk, CT 06854
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Yabu Pushelberg | Interior Design
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TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

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40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

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10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

New York, NY 10036

Sheet Title:

STRUCTURAL DRAWING LIST

Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale:

Signature & Seal:

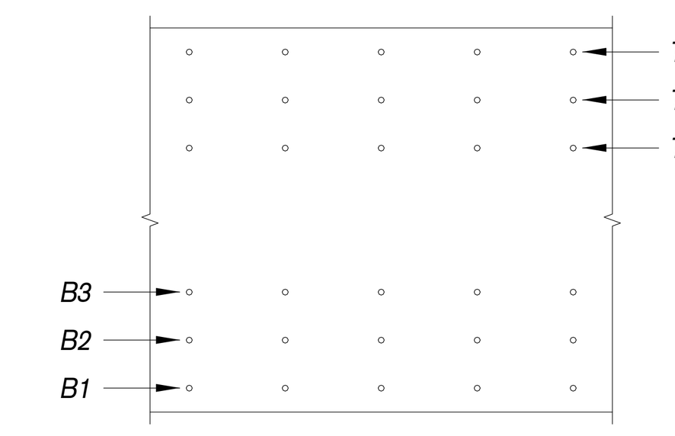
STATE OF NEW YORK · CAWSIE JIJINA · 060340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number:

.S-000.00

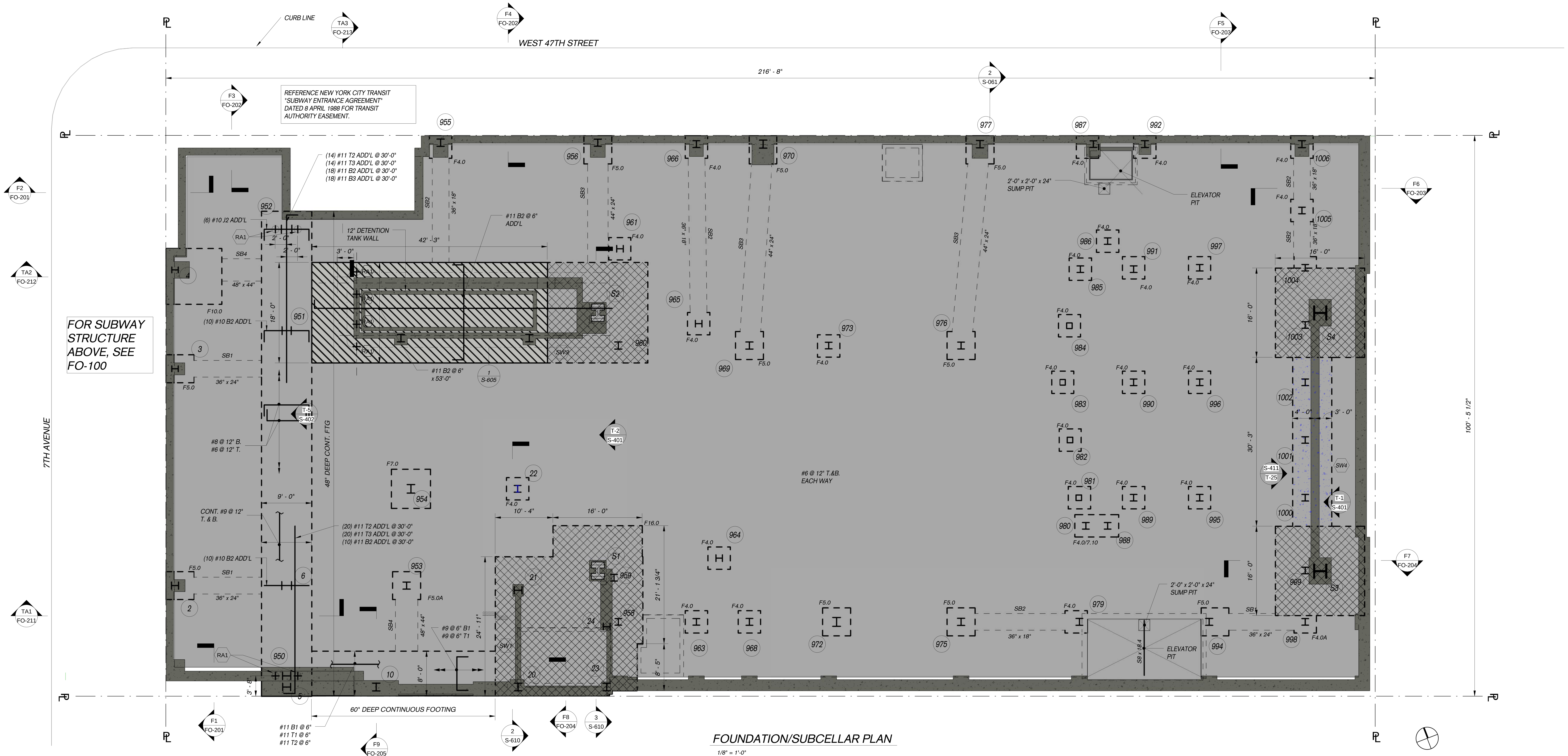
NYC DOB Number:

Sheet: of



REINFORCING BAR LAYERING AT MAT FOUNDATION

1/2" = 1'-0"



FOUNDATION/SUBCELLAR PLAN

1/8" = 1'-0"

FO-099 LEVEL SCHEDULE	
FLOOR	NAVD 88
SUBCELLAR	EL. 20'-7 7/8"

NOTES:

1. THIS DRAWING SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. FOR FLOOR FINISHES SEE ARCHITECTURAL DRAWINGS.
3. FLOOR DATUM EL. -28'-0" = SEE TABLE ON THIS DRAWING.
4. TOP OF CONCRETE SLAB IS AT DATUM ELEVATION UNLESS SHOWN THUS EL.±..... ON PLAN.
5. COMPRESSIVE STRENGTH OF CONCRETE FOR FOUNDATION IS 8,000 PSI.
6. FLOOR CONSTRUCTION SHALL BE 10" THICK FLAT SLAB REINFORCED WITH CONTINUOUS #6 @ 12" ON CENTER TOP AND BOTTOM GRID PLACED AS PER THE RELEVEANT CRITERIA OF ACI-318-08 UNLESS OTHERWISE NOTED. ADDITIONAL REINFORCEMENT SHOWN ON PLAN.
7. FOR COLUMN SCHEDULE SEE DRAWINGS S-501 THRU S-503.
8. FOR TYPICAL DETAILS SEE DRAWNGS S-701 THRU S-714.
9. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.
10. VERIFY IN FIELD ALL EXISTING CONDITIONS. INFORM THE EOR OF ANY DEVIATIONS.
11. DENOTES 30" THICK MAT FOUNDATION REINF. w/ #11 @ 6" BOTTOM AND #9 @ 6" TOP.
12. DENOTES APPROXIMATE EXTENT OF NEW CONCRETE TOPPING SLAB
13. DENOTES EXISTING SLAB TO REMAIN
14. DENOTES EXTENT OF 108" THICK MAT FOUNDATION REINF. w/ #11 @ 6" CONT. EACH WAY IN LAYERS B1, B2, B3 AND T1 (SEE REINFORCING BAR LAYERING AT MAT FOUNDATION).
15. DENOTES EXTENT OF 48" THICK MAT FOUNDATION REINF. w/ #8 @ 6" TOP AND BOTTOM CONT. EA. WAY
16. RA1 DENOTES A 400 KIP (200 TON) ROCK ANCHOR
17. DENOTES CONCRETE SLAB CONSTRUCTION
18. DENOTES EXISTING WALL TO REMAIN
19. DENOTES CONCRETE WALL CONSTRUCTION

STRAP BEAM SCHEDULE

MARK	BEAM SIZE		LONGITUDINAL REINFORCEMENT		SHEAR REINFORCEMENT			REMARKS
	WIDTH	DEPTH	BOTTOM BARS	TOP BARS	SIZE	TYPE	SPACING EACH END	
SB1	36"	24"	9 - #9	18 - #9*	#4	⧉	9"	* PLACE BARS IN 2 LAYERS
SB2	36"	18"	6 - #9	12 - #9*	#4	□	6"	* PLACE BARS IN 2 LAYERS
SB3	44"	24"	12 - #9	24 - #9*	#4	□	6"	* PLACE BARS IN 2 LAYERS
SB4	48"	44"	10 - #10	20 - #10*	#4	⧉	12"	* PLACE BARS IN 2 LAYERS

FOOTING ON 40 TON/FT^2 ROCK *

MARK	SIZE	TOP REINF.	BOTTOM REINF.	MIN. EMBEDMENT INTO ROCK
F4.0	4'-0" x 4'-0" x 18"	-	8 - #8 EW	18"
F4.0A	4'-0" x 4'-0" x 24"	-	8 - #8 EW	24"
F4.0/7.10	4'-0" x 7'-10" x 18"	-	8 - #6 EW	18"
F5.0	5'-0" x 5'-0" x 24"	-	14 - #8 EW	24"
F5.0A	5'-0" x 5'-0" x 44"	-	14 - #8 EW	44"
F6.0	6'-0" x 6'-0" x 30"	-	14 - #10 EW	30"
F10.0	10'-0" x 10'-0" x 54"	-	16 - #8 EW	54"

Roxane Tsirigotis, RA
APPROVED Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

Design 2147 Limited | Code Consultant
52 Diamond Street, Brooklyn, NY 11222
718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

Theatre Projects Consultants | Theater Consultant
47 Water Street
South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

Fisher Marantz Stone | Lighting Design
22 West 19th Street, Floor 6
New York, NY 10011
212 691 3020 | fmsp.com

Jaffe Holden | Acoustic Consultant
114–A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

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06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway
New York, NY 10036

Sheet Title:
SUB-CELLAR I PLAN (EL 20'-7 7/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated
Signature & Seal: STATE OF NEW YORK · CAWSIE JIJINA · LICENSED PROFESSIONAL ENGINEER · 060340

Sheet Number: FO-099.00

CELLAR PLAN

1/8" = 1'-0"

NOTES:

1. THIS DRAWING SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. FOR FLOOR FINISHES SEE ARCHITECTURAL DRAWINGS.
3. FLOOR DATUM EL. -14'-0" = SEE TABLE ON THIS DRAWING.
4. TOP OF CONCRETE SLAB IS AT DATUM ELEVATION UNLESS SHOWN THUS EL.±..... ON PLAN.
5. TOP OF STEEL IS 7 1/2" BELOW TOP OF CONCRETE UNLESS NOTED THUS (EL. ±......) ON PLAN.
6. FLOOR CONSTRUCTION SHALL BE 4 1/2" OF NORMAL WEIGHT CONCRETE PLACED OVER A 3" - 18 GAGE GALVANIZED COMPOSITE METAL DECK AND REINFORCED WITH ONE LAYER OF 6" X 6" - W4.0 X W4.0 WELDED WIRE FABRIC PLACED 3/4" FROM THE TOP OF THE CONCRETE SLAB. THE SPAN DIRECTION OF THE DECK IS SHOWN THUS ←---→ ON PLAN.
7. THE NUMBER OF 3/4" DIAMETER (4 1/2" LONG) SHEAR STUDS IS SHOWN THUS (__) ON PLAN. WHERE NO STUDS ARE SHOWN, STUDS SHALL BE EQUALLY SPACED AT 12" ON CENTER FOR THE ENTIRE SPAN.
8. FOR COLUMN SCHEDULE SEE DRAWINGS S-501 THRU S-503.
9. FOR BEAM SCHEDULE SEE S-511.
10. FOR TYPICAL DETAILS SEE DRAWINGS S-701 THRU S-714.
11. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.
12. ⊽ DENOTES COLUMN BELOW ONLY.
13. ▲ DENOTES COLUMN ABOVE ONLY.
14. ⊗ DENOTES BEAM OPENING. SEE DETAIL ON DRAWING S-501 FOR BEAM OPENING REINFORCEMENT.
15. VERIFY IN FIELD ALL EXISTING CONDITIONS. INFORM THE EOR OF ANY DEVIATIONS.
16. CONTRACTOR TO COORDINATE ALL SLAB PENETRATIONS TO AVOID CUTTING/CORING OF EXISTING BEAMS.
17. C8 DENOTES C8 x 11.5
18. L4 DENOTES L4 x 4 x 5/16"
19. W8 DENOTES W8 x 15
20. DENOTES STEEL BEAM
21. DENOTES EXISTING STEEL BEAM
22. DENOTES SHORE, CUT AND RECONNECT EXISTING BEAM TO NEW WORK
23. DENOTES MOMENT CONNECTION. PROVIDE FULL CAPACITY MOMENT CONNECTION WHERE NO MOMENT IS SHOWN.
24. DENOTES APPROXIMATE AREA OF CONCRETE INFILL/PATCH
25. DENOTES APPROXIMATE EXTENT OF CONCRETE TOPPING SLAB OVER EXSITING TO REMAIN SLAB
26. DENOTES EXISTING SLAB TO REMAIN
27. DENOTES CONCRETE SLAB CONSTRUCTION
28. DENOTES EXISTING WALL TO REMAIN
29. DENOTES CONCRETE WALL CONSTRUCTION

FO-100 LEVEL SCHEDULE	
FLOOR	NAVD 88
CELLAR	EL. 34'-7 7/8"

Roxane Tsirigotis, RA
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PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
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212.691.2440 | pbdw.com

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275 Seventh Avenue
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14 Wall Street, 2nd Floor
New York City, New York 10005
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11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

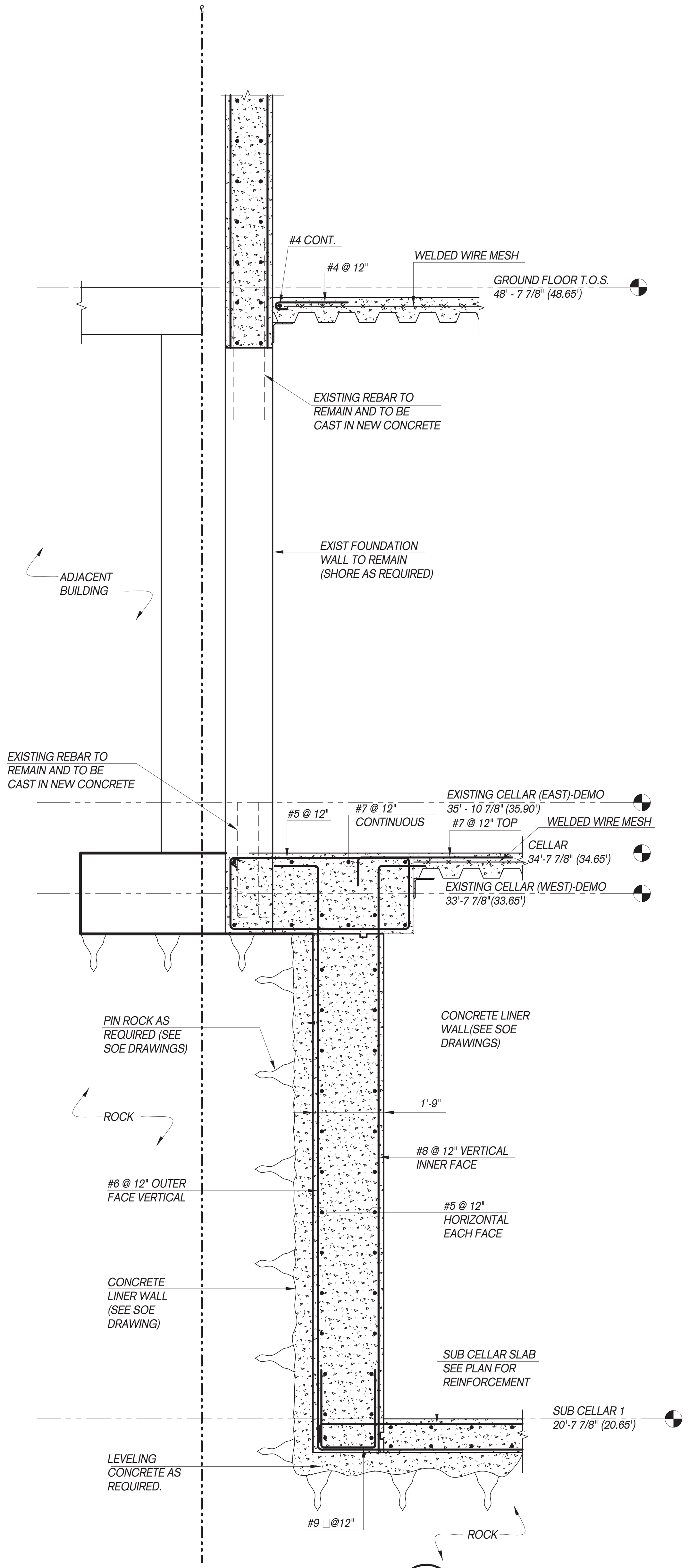
Project:
1568 Broadway
New York, NY 10036

Sheet Title:
CELLAR PLAN (EL 34'-7 7/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated

Signature & Seal: STATE OF NEW YORK — CAWSIE JIJINA — 060340 — LICENSED PROFESSIONAL ENGINEER

Sheet Number:
FO-100.00



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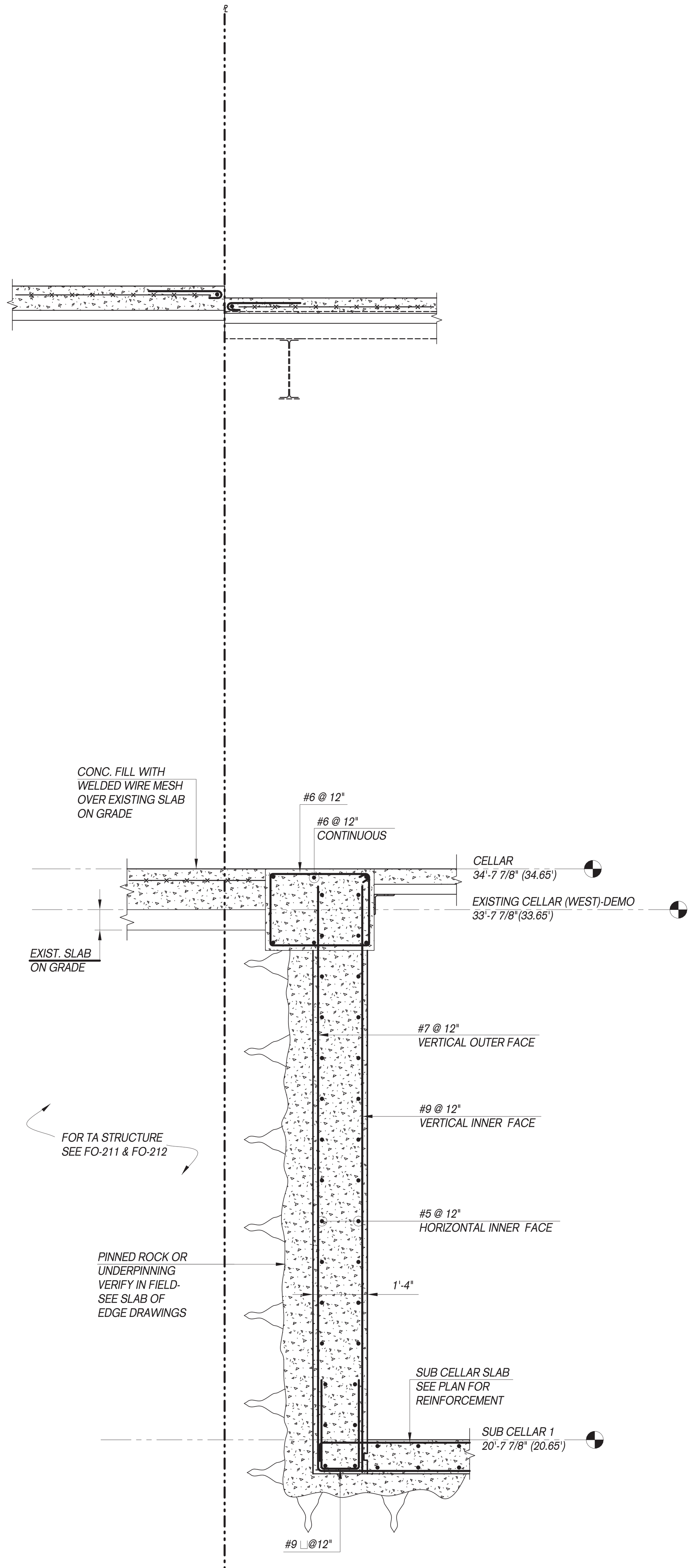

SECTION F2 / FO-201
1/2" = 1'-0"

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Platt Byard Dovell White Architects LLP
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Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

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Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
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14 Wall Street, 2nd Floor
New York City, New York 10005
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Urban Foundation Engineering Foundation Engineer
3233 111th Street
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10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

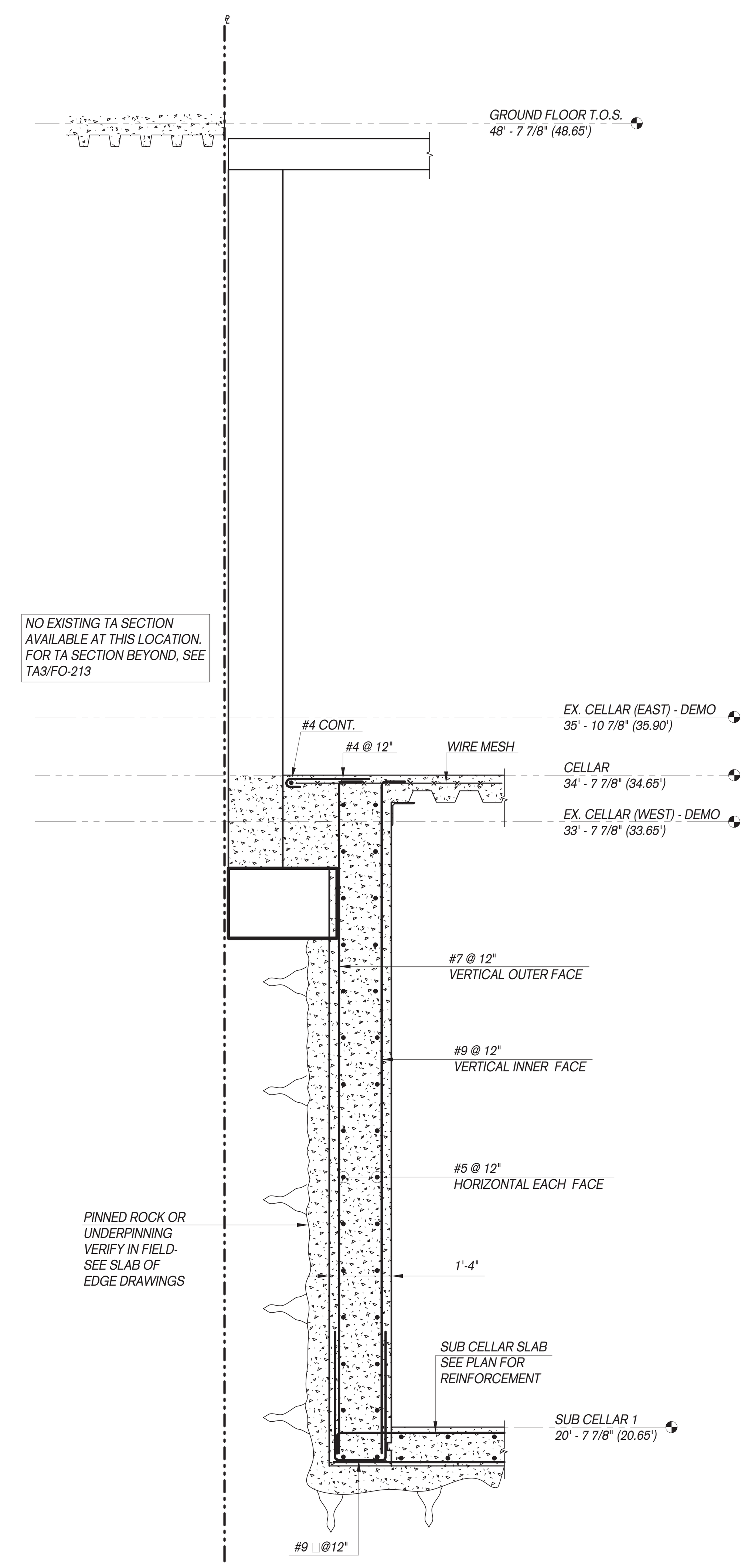
Project:
1568 Broadway
New York, NY 10036

Sheet Title:
FOUNDATION SECTIONS I

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: 1/2" = 1'-0"
Signature & Seal:
STATE OF NEW YORK
CAWSIE JIJINA
060340
LICENSED PROFESSIONAL ENGINEER

Sheet Number:
FO-201.00

NYC DOB Number:
Sheet:
of



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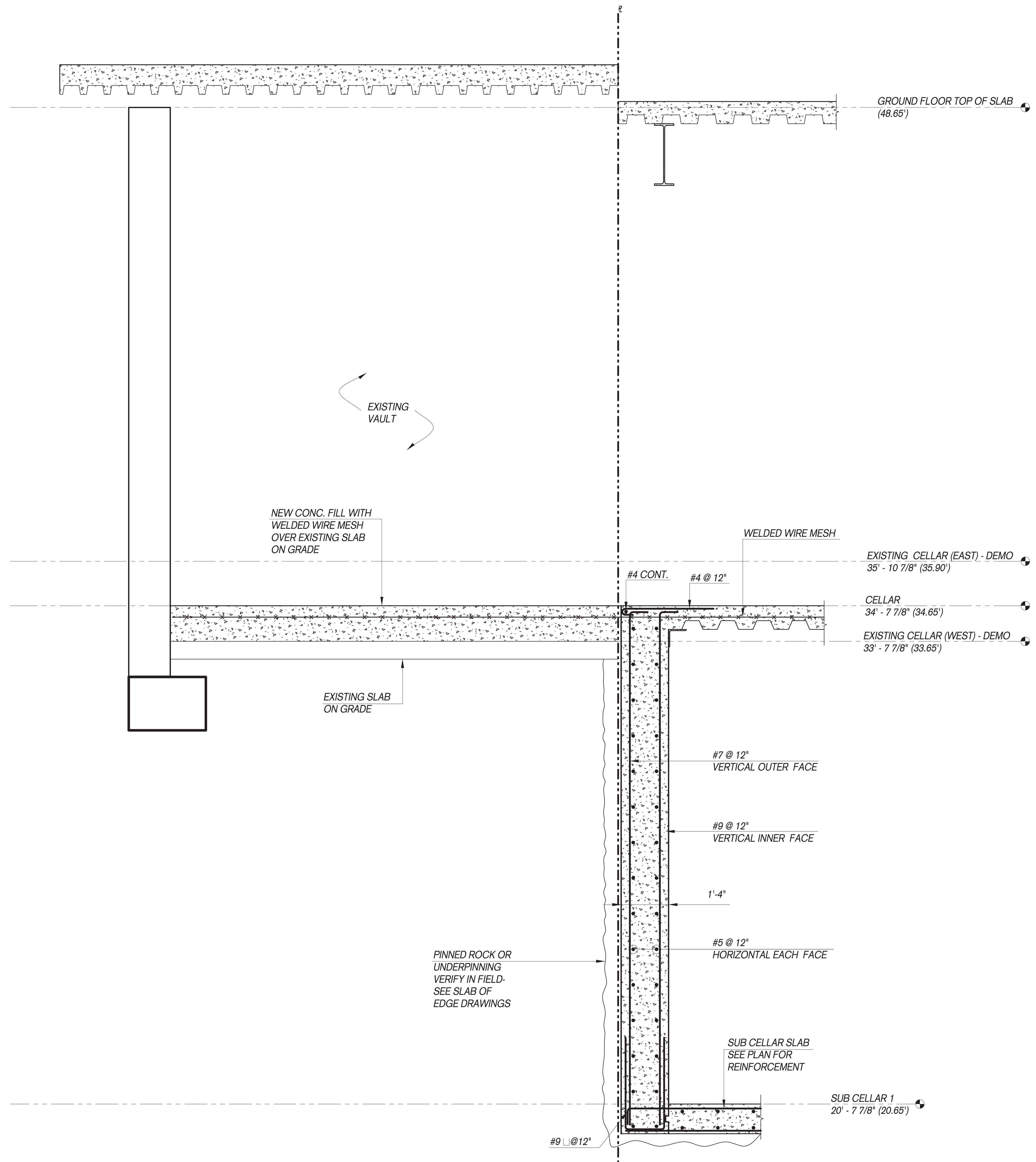

SECTION F4
FO-202
1/2" = 1'-0"

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275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
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14 Wall Street, 2nd Floor
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TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
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Jablonski Building Conservation | Conservation Consultant
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New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
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10.14.2016	11	TA RESUBMITTAL CHECK SET
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09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
FOUNDATION SECTIONS II

Project Number: 13649
Drawn By: SNH/JBA
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Scale: 1/2" = 1'-0"

Signature & Seal:

Sheet Number:
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NYC DOB Number:
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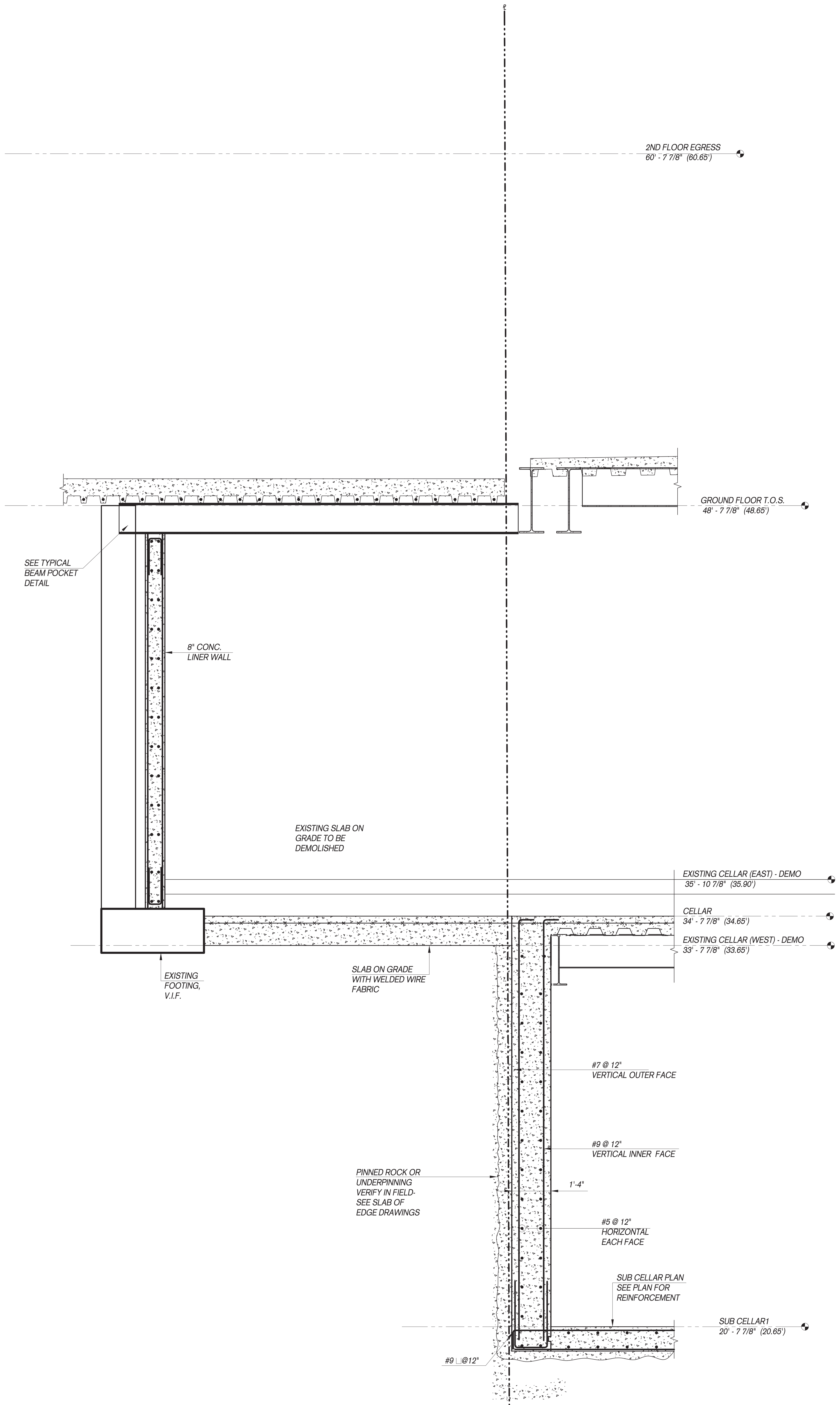

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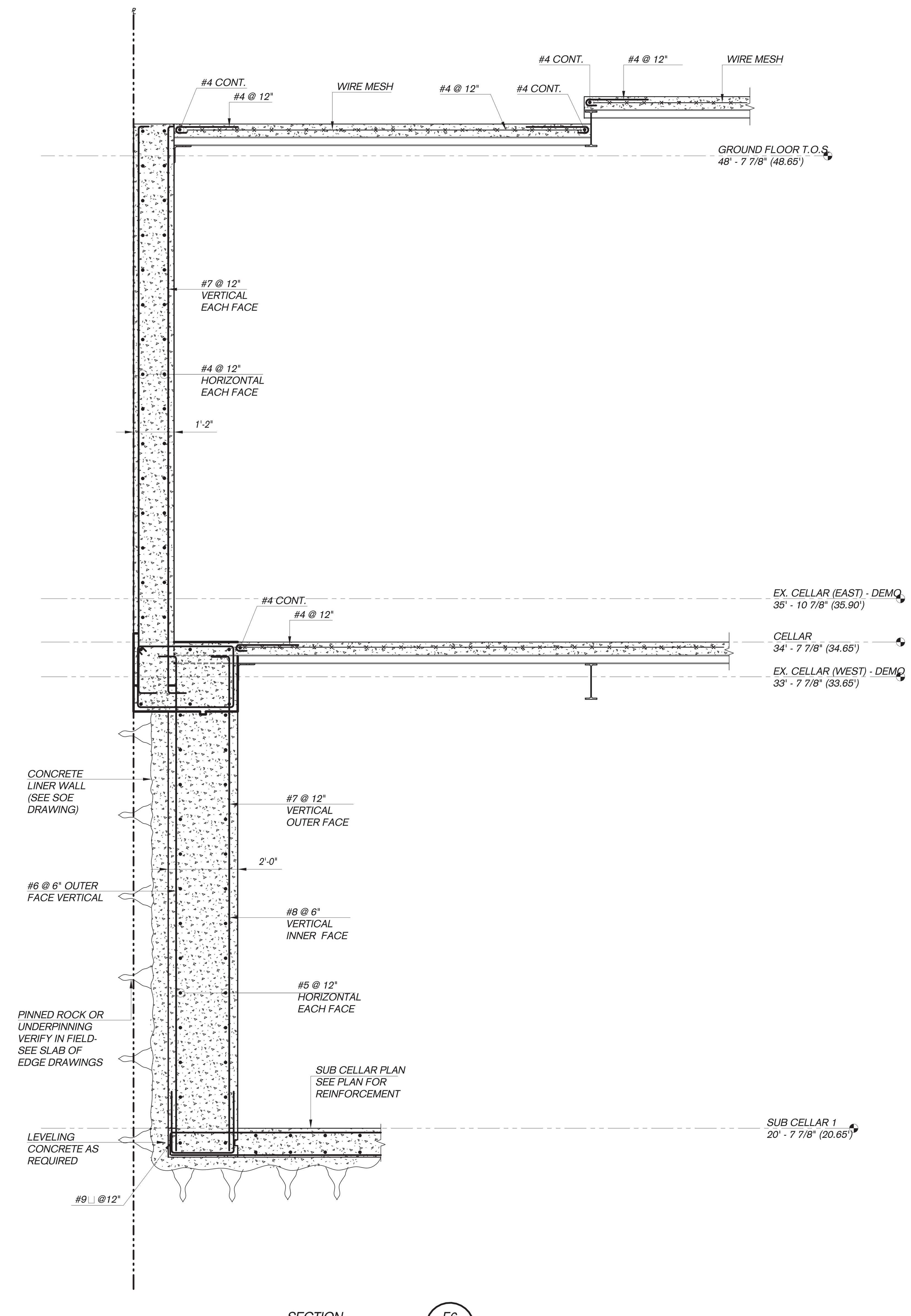

SECTION F6 FO-203
1/2" = 1'-0"

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Platt Byard Dovell White Architects LLP
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Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
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New York, NY 10121
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New York City, New York 10005
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06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway
New York, NY 10036

Sheet Title:
FOUNDATION SECTIONS III

Project Number: 13649
Drawn By: SNH/JBA
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Scale: 1/2" = 1'-0"
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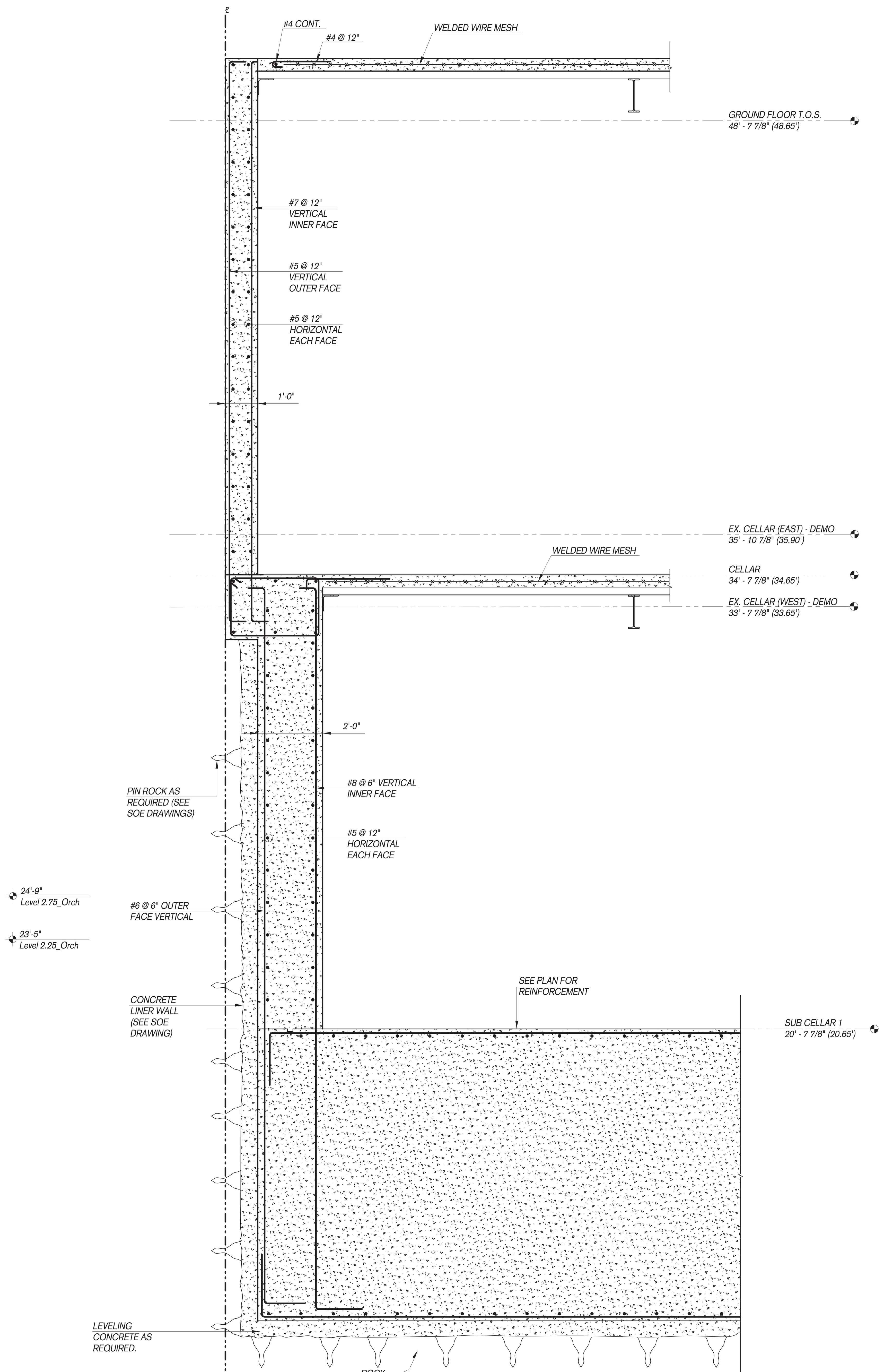

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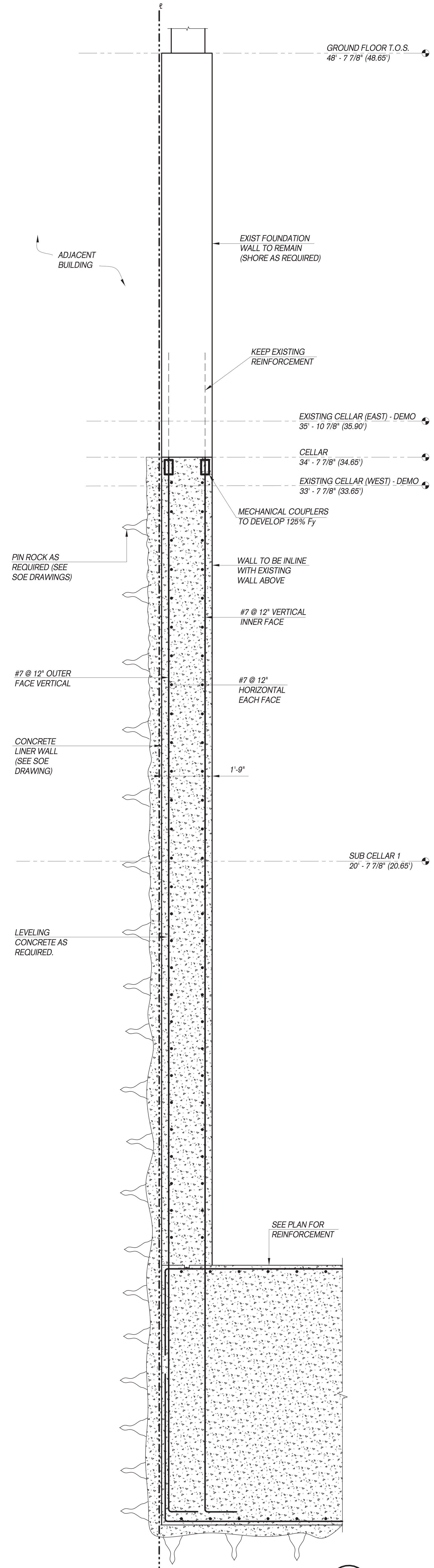

SECTION F8 FO-204
1/2" = 1'-0"

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New York, NY 10001
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Severud Associates | Structural Engineer
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DOB APPROVAL STAMP

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10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway
New York, NY 10036

Sheet Title:
FOUNDATION SECTIONS IV

Project Number: 13649
Drawn By: Author
Checked By: CJ
Scale: 1/2" = 1'-0"
Signature & Seal:

Sheet Number:
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NYC DOB Number:
Sheet: of

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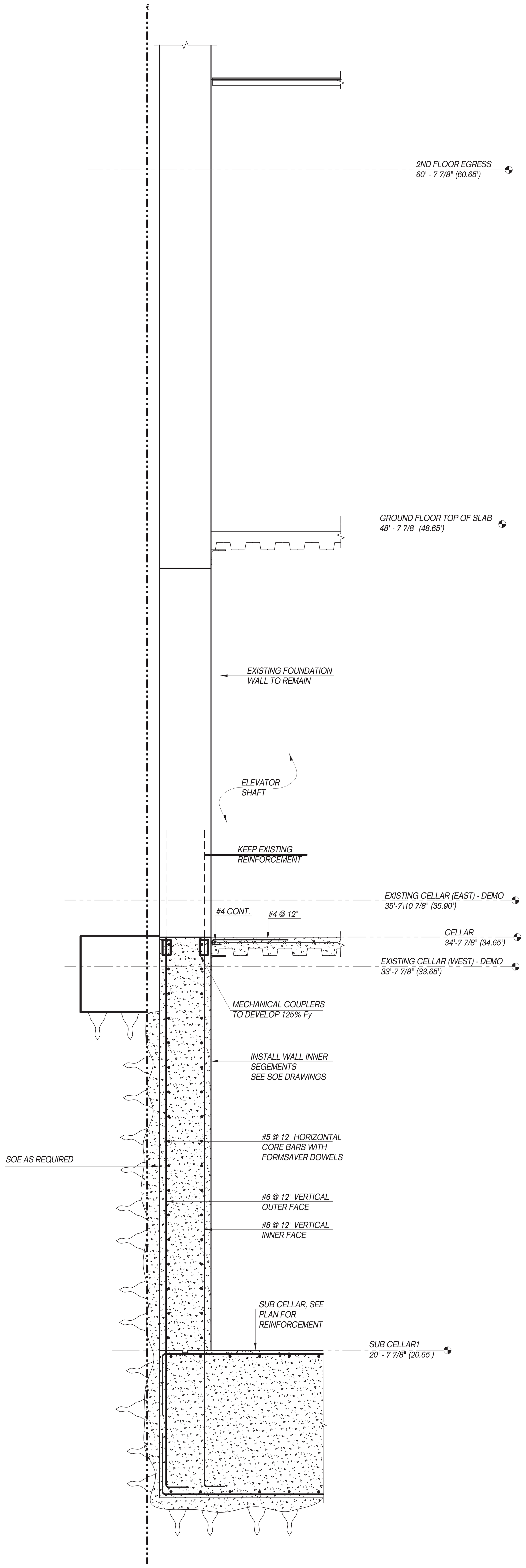

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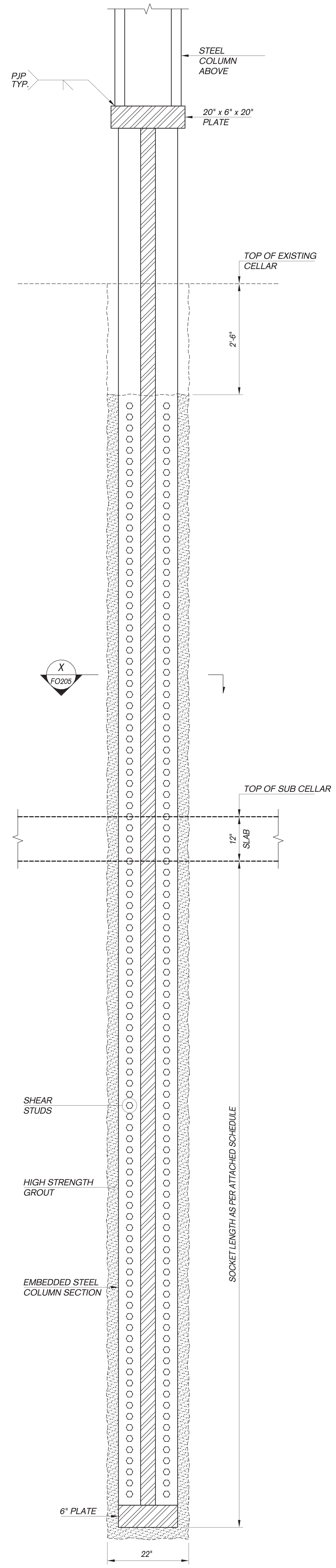
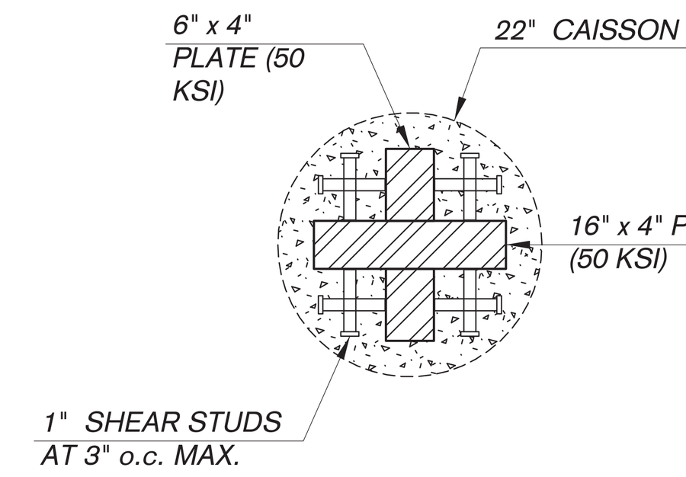


TYPICAL DETAIL FOR CAISSON ALTERNATE



SECTION X
3/4" = 1'-0" FO205

CAISSON SCHEDULE (22 IN. DIA.)

COLUMN LOAD (SERVICE)	DIAMETER	SOCKET LENGTH
<1000K	22 IN.	5 FT.
1000K - 2000K	22 IN.	15 FT.
2000K - 3000K	22 IN.	20 FT.
3000K - 3600K	22 IN.	25 FT.

CAISSON SCHEDULE (26 IN. DIA.)

COLUMN LOAD (SERVICE)	DIAMETER	SOCKET LENGTH
<1000K	26 IN.	XX FT.
1000K - 2000K	26 IN.	XX FT.
2000K - 3000K	26 IN.	XX FT.
3000K - 4000K	26 IN.	XX FT.
4000K - 5000K	26 IN.	XX FT.

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Platt Byard Dovell White Architects LLP
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Mancini Duffy | Architect of Record
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06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
FOUNDATION SECTIONS V

Project Number: 13649
Drawn By: Author
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Scale: As indicated

Signature & Seal:

Sheet Number:
FO-205.00

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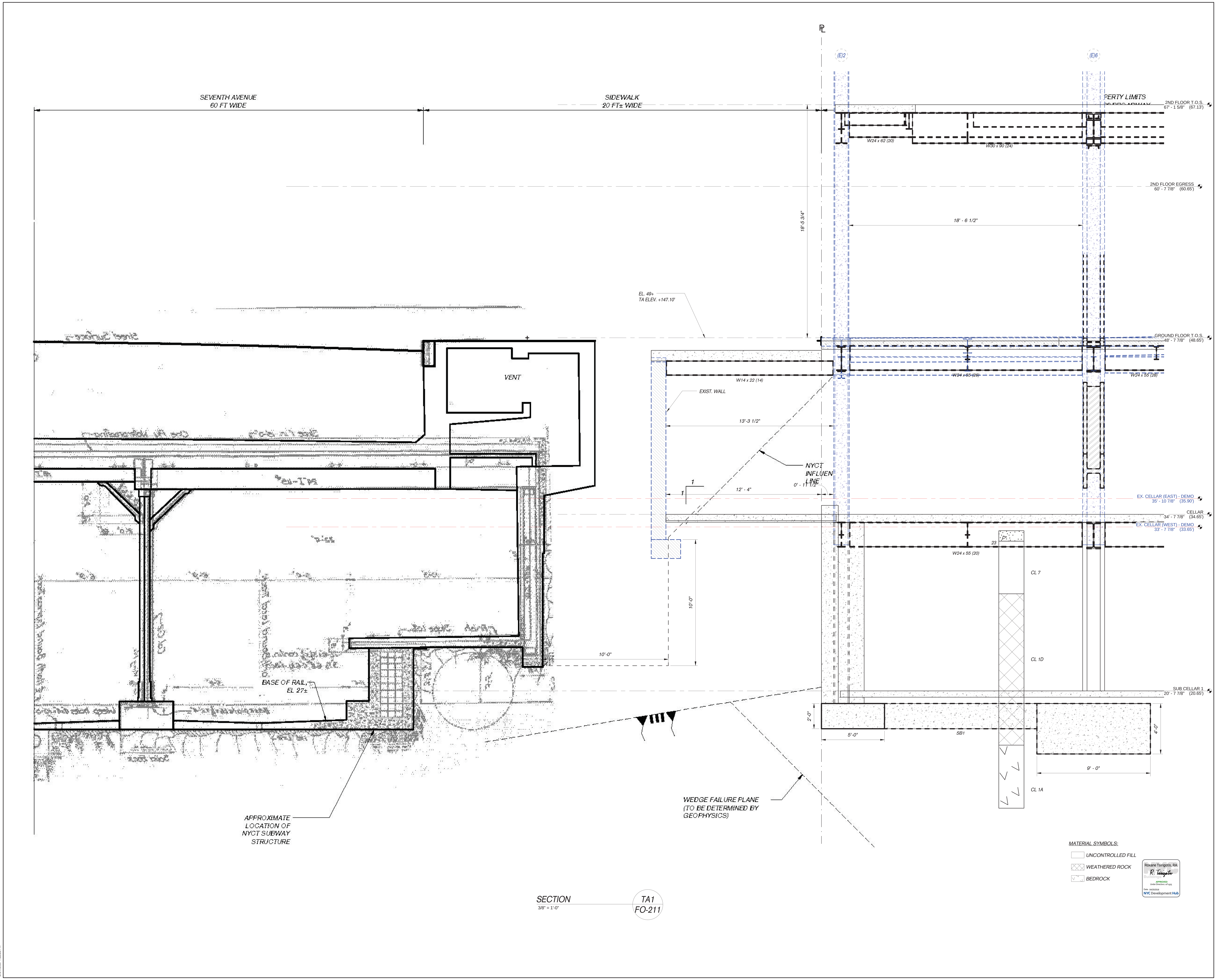

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04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway
New York, NY 10036

Sheet Title:
TA SECTIONS I

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated
Signature & Seal:

Sheet Number:
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Sheet: of

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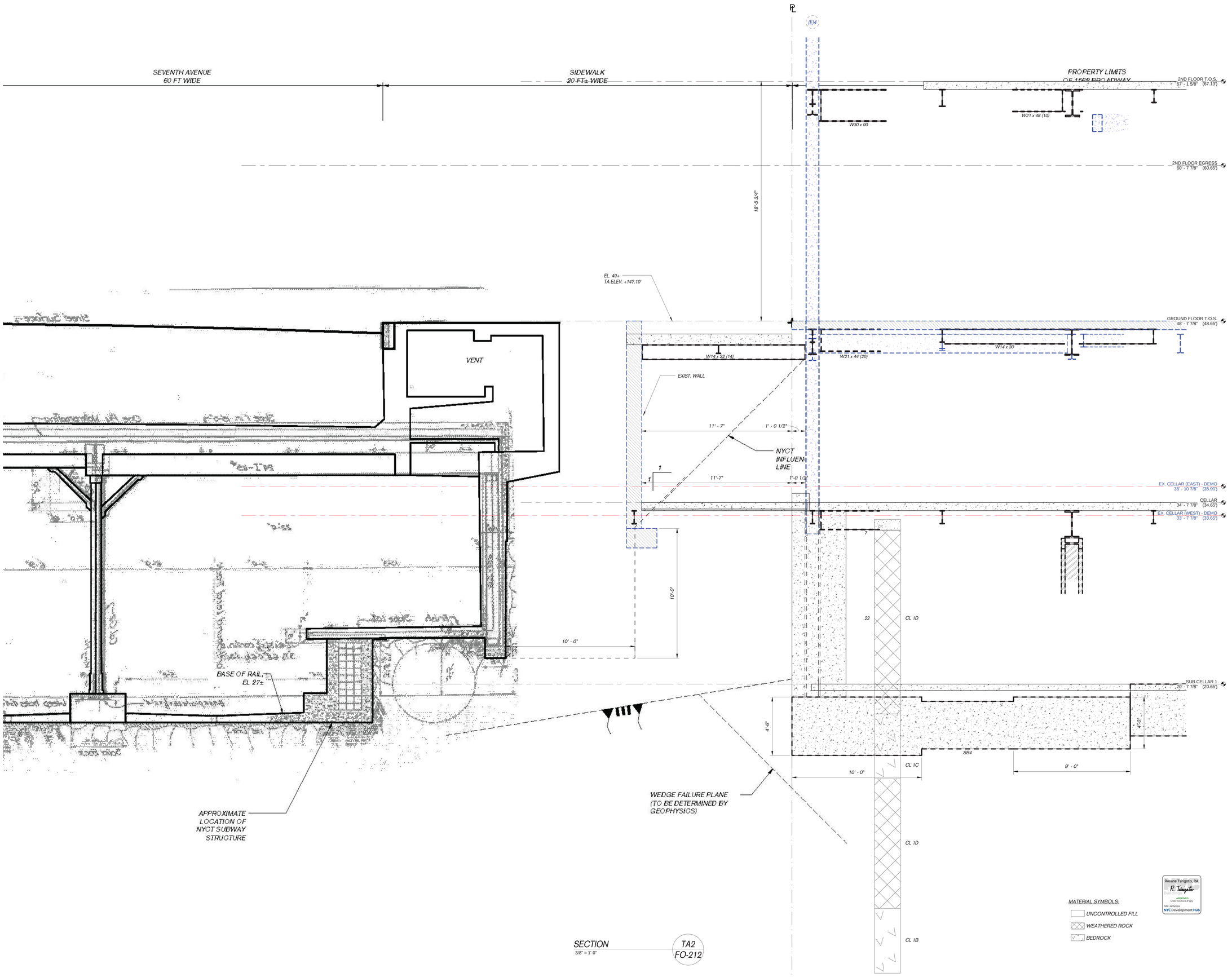

SECTION
3/8" = 1'-0"

TA2
FO-212

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Mancini Duffy | Architect of Record
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47 Water Street
South Norwalk, Connecticut 068541
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22 West 19th Street, Floor 6
New York, NY 10011
212 691 3020 | fmsp.com

Jaffe Holden | Acoustic Consultant
114-A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
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Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jboconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

DOB APPROVAL STAMP

Date:	No.:	Description:
12.09.2016	15	ISSUED FOR DOB FILING
11.15.2016	14	SOFT & STRUCTURAL DEMOLITION ISSUED FOR BID
11.09.2016	13	ISSUED FOR TA FILING
11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
TA SECTIONS II

Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: As indicated

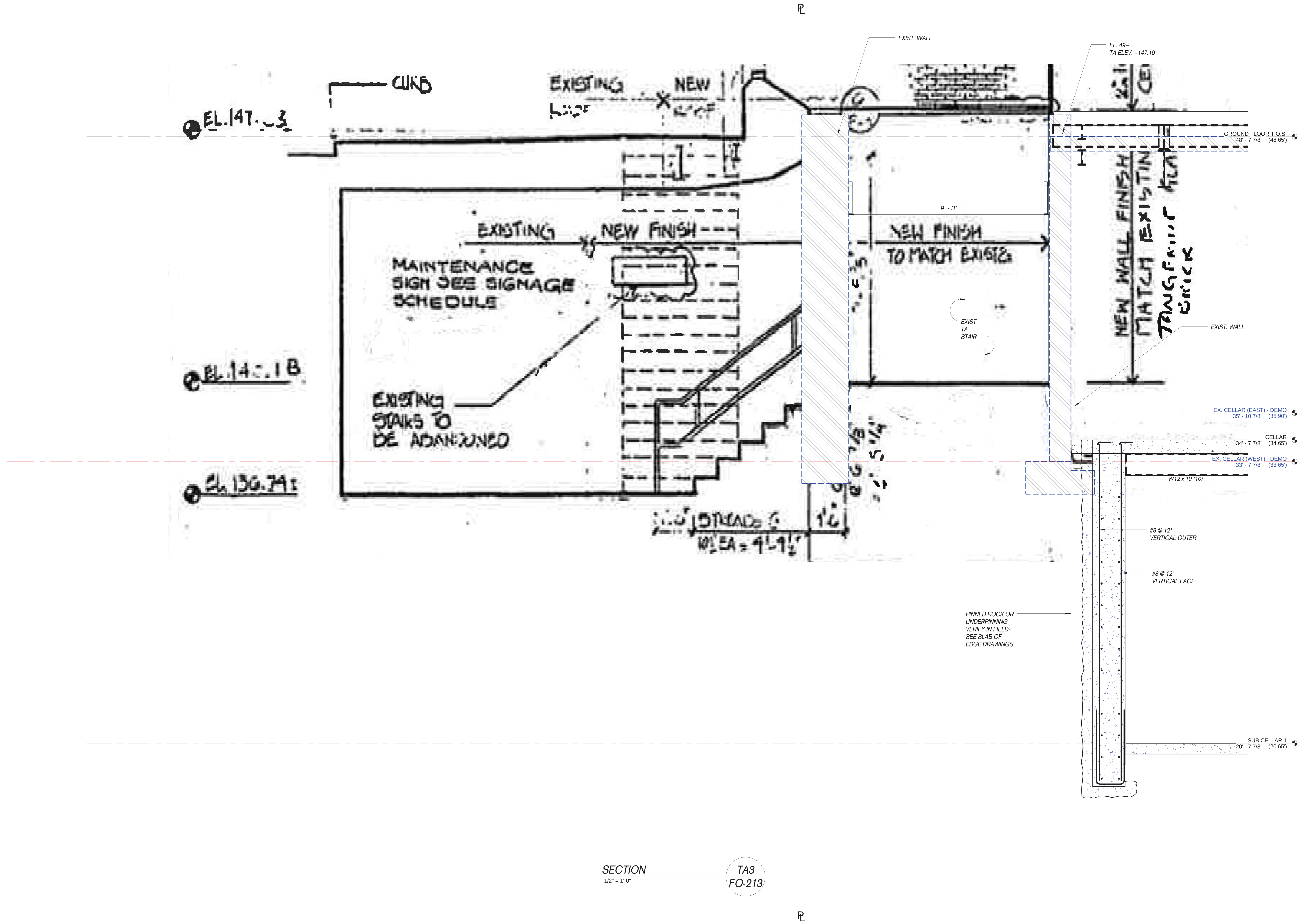
Signature & Seal:

Roxane Tsirigotis, RA
APPROVED
Under Directive 14 of 1975
Date: 04/05/2017
NYC Development Hub

STATE OF NEW YORK
ROXANE JUDITH
TSIRIGOTIS
060340
LICENSED PROFESSIONAL ENGINEER

Sheet Number:
FO-212.00

NYC DOB Number:
Sheet: of



SECTION
1/2" = 1'-0"
TA3
FO-213

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

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New York, NY 10121
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AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
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09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

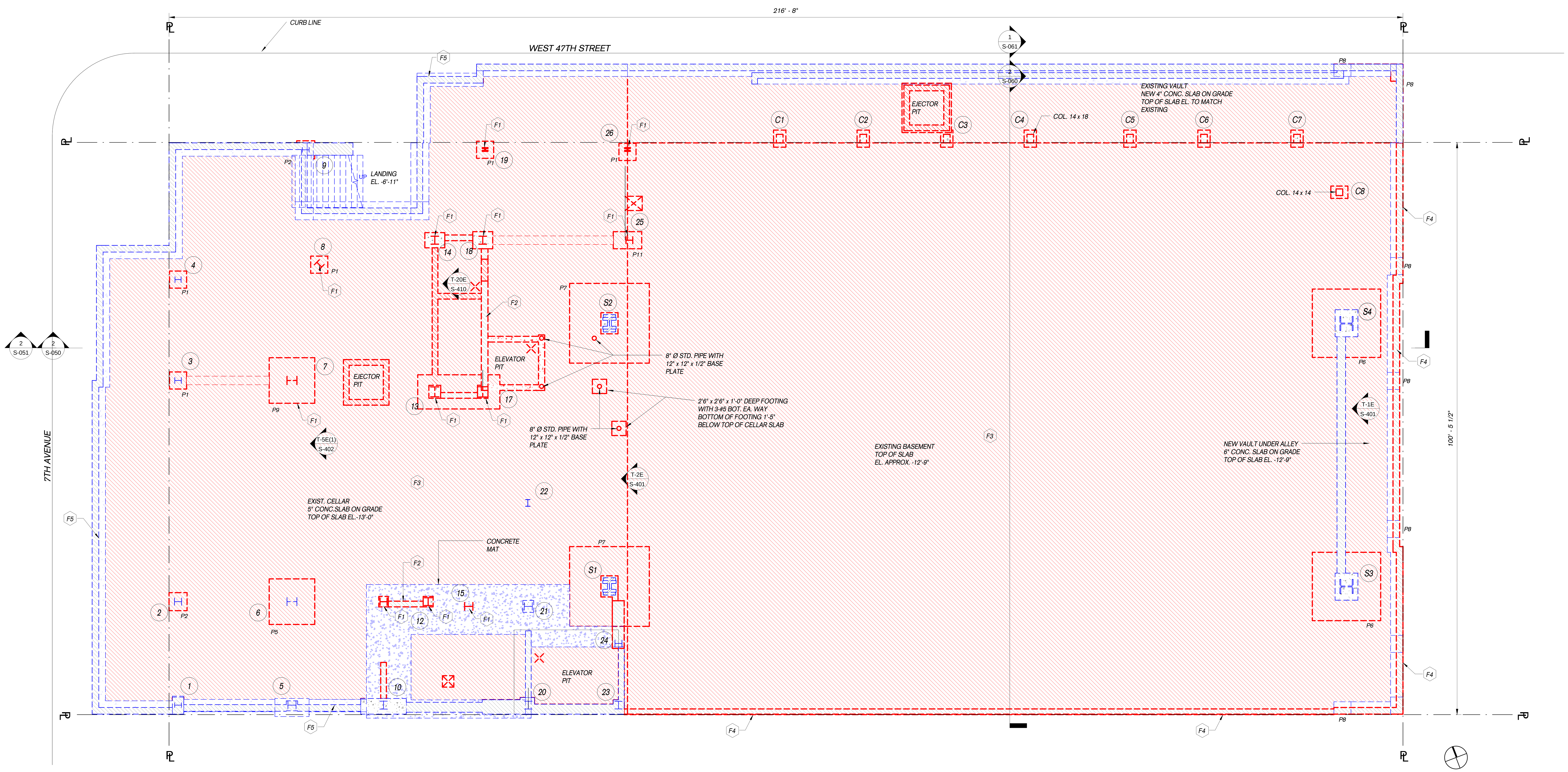
Project:
1568 Broadway

New York, NY 10036

Sheet Title:
TA SECTIONS III

Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: 1/2" = 1'-0"
Signature & Seal:
Sheet Number:
FO-213.00
NYC DOB Number:
Sheet: of

6/27/2017 12:36 PM



DEMOLITION SEQUENCE NOTES

F1. EXISTING COLUMN TO BE REMOVED & RE- SUPPORTED (SEE TYP DETAILS ON S-090) AND FOOTING TO BE REMOVED. NEW COLUMN EXTENSION & FOOTING TO BE INSTALLED. SEE DRAWINGS BY URBAN FOUNDATIONS FOR MEANS AND METHODS.

F2. EXISTING WALL TO BE REMOVED.

F3. EXISTING SLAB TO BE REMOVED.

F4. EXISTING FOUNDATION WALL TO BE REMOVED.

F5. EXISTING WALL FOOTING TO BE REMOVED.

FOR EXTENT OF COLUMN REMOVALS SEE S-5XX SERIES. FOR BEAMS TO BE SHORE, CUT AND RECONNECTED SEE STRUCTURAL FLOOR PLANS.

LEGEND:

DENOTES EXISTING SLAB TO BE DEMOLISHED.

DENOTES EXISTING SLAB TO REMAIN.

DENOTES BEAM TO BE DEMOLISHED.

DENOTES BEAM TO REMAIN.

DENOTES EXISTING WALL TO REMAIN

DENOTES EXISTING WALL TO BE DEMOLISHED.

DENOTES NEW OPENINGS FOR STAIRS, ELEVATORS, AND SHAFTS.

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07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE-EXISTING CELLAR LEVEL (EL 33'-7 7/8")

Project Number: 13649

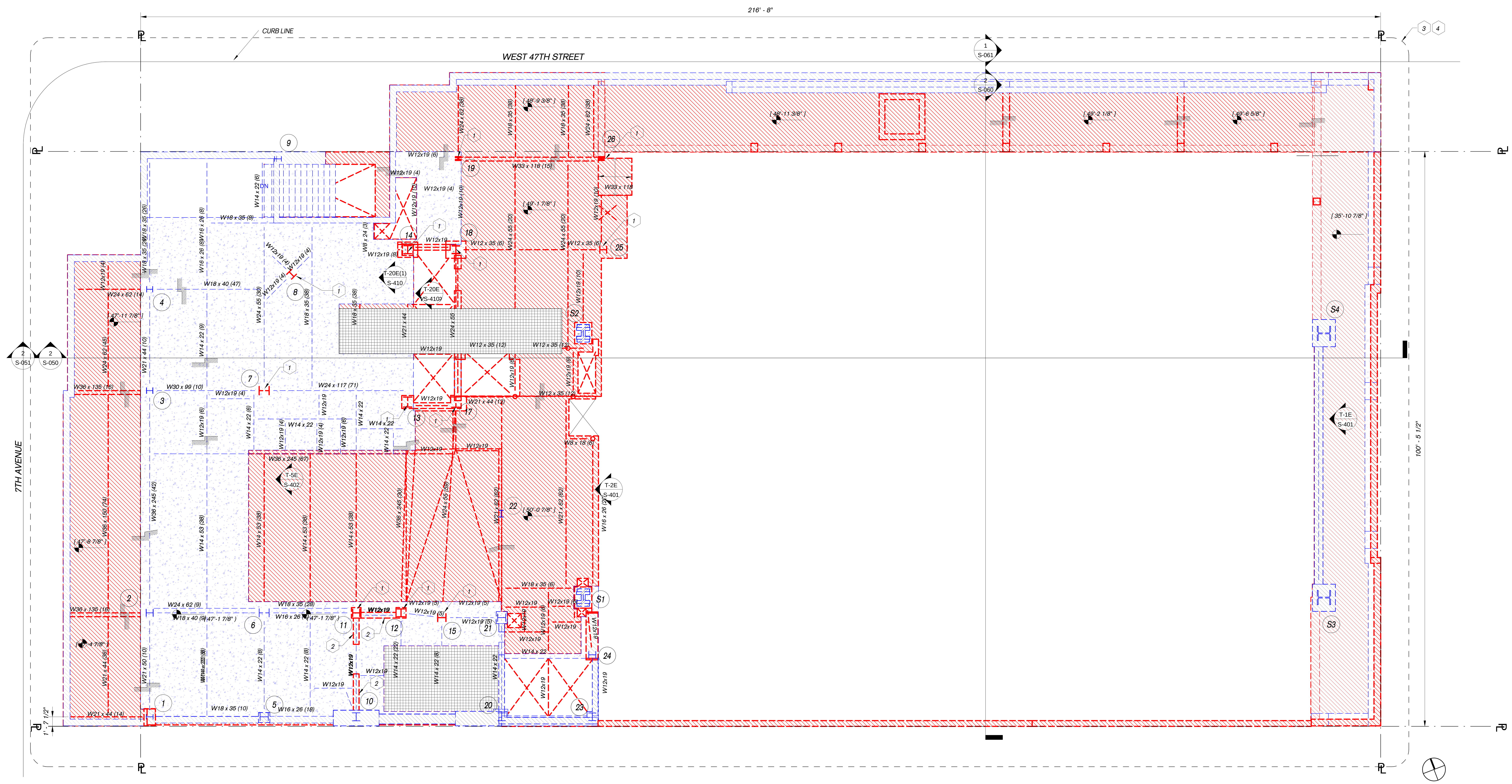
Drawn By: SNH/JBA

Checked By: CJ

Scale: As indicated

Signature & Seal: STATE OF NEW YORK · CAWSIE JIJINA · 060340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number: S-010.00



<u>DEMOLITION SEQUENCE NOTES</u>

1. EXISTING COLUMN TO BE REMOVED.
2. EXISTING WALL TO BE REMOVED.
3. EXISTING SLAB TO BE REMOVED.
4. EXISTING BEAM TO BE REMOVED.
5. PART OF EXISTING BEAM TO BE REMOVED.
6. EXISTING BEAM TO BE REMOVED THAT HAS OTHER BEAMS FRAMING INTO IT.

FOR EXTENT OF COLUMN REMOVALS SEE S-5XX SERIES. FOR BEAMS TO BE SHORE, CUT AND RECONNECTED SEE STRUCTURAL FLOOR PLANS.

<u>LEGEND:</u>

- DENOTES EXISTING SLAB TO BE DEMOLISHED.
- DENOTES EXISTING SLAB TO REMAIN.
- DENOTES BEAM TO BE DEMOLISHED.
- DENOTES BEAM TO REMAIN.
- DENOTES EXISTING WALL TO REMAIN
- DENOTES EXISTING WALL TO BE DEMOLISHED
- DENOTES NEW OPENINGS FOR STAIRS, ELEVATORS AND SHAFTS

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10/5/2017 7:00:35 PM

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

Design 2147 Limited | Code Consultant
52 Diamond Street, Brooklyn, NY 11222
718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

Theatre Projects Consultants | Theater Consultant
47 Water Street
South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

Fisher Marantz Stone | Lighting Design
22 West 19th Street, Floor 6
New York, NY 10011
212 691 3020 | fmsp.com

Jaffe Holden | Acoustic Consultant
114–A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
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Jablonski Building Conservation | Conservation Consultant
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212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
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718.478.3021

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09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

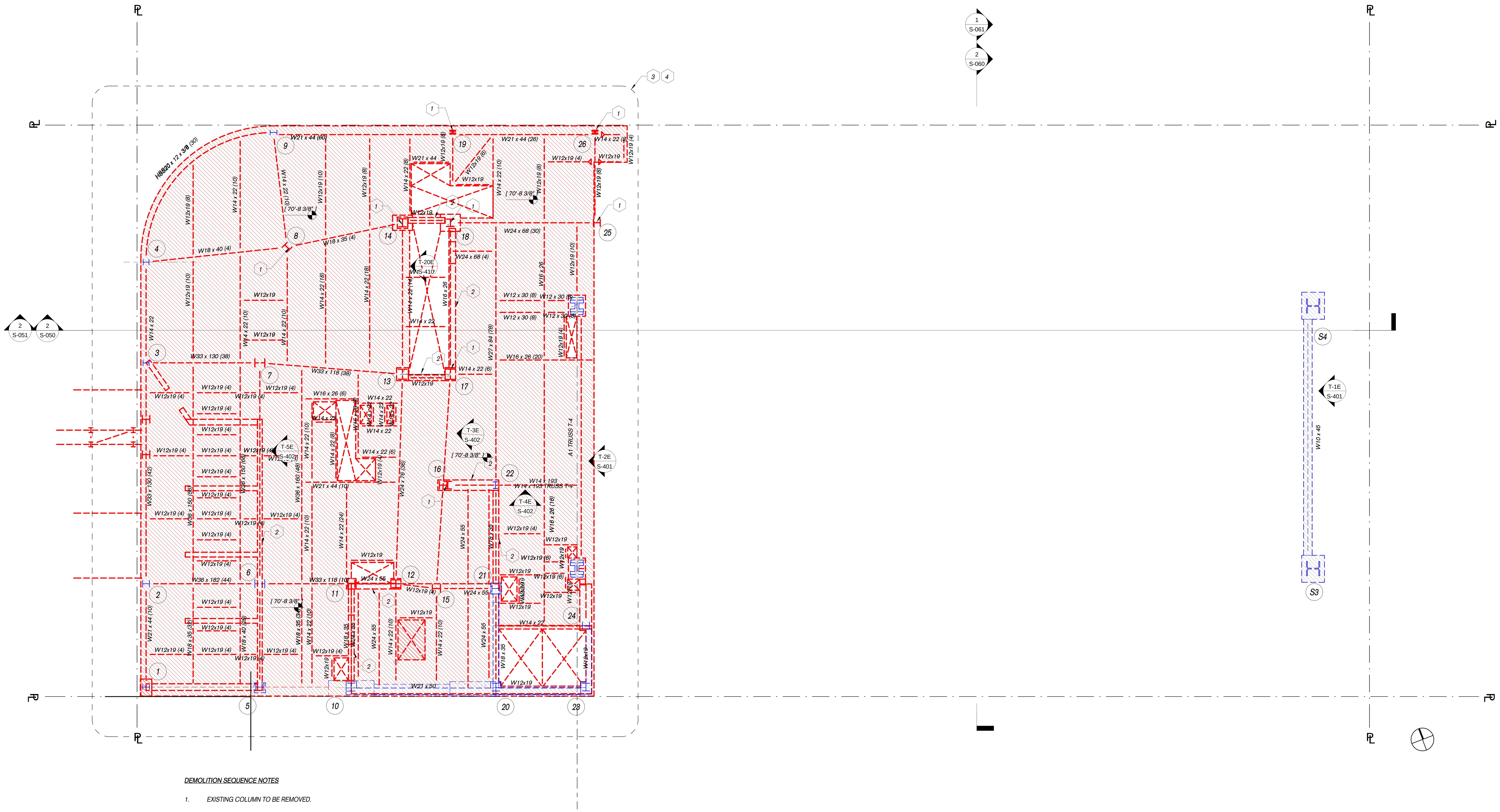
Sheet Title:
CONCEPTUAL DEMOLITION SCOPE-EXISTING 1ST FLOOR (EL 48'-7 7/8")

Roxane Tsirigotis, RA
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated

Signature & Seal:
STATE OF NEW YORK
AWSIE JIJINA
060340
LICENSED PROFESSIONAL ENGINEER

Sheet Number:
S-011.00



DEMOLITION SEQUENCE NOTES

1. EXISTING COLUMN TO BE REMOVED.
2. EXISTING WALL TO BE REMOVED.
3. EXISTING SLAB TO BE REMOVED.
4. EXISTING BEAM TO BE REMOVED.
5. PART OF EXISTING BEAM TO BE REMOVED.
6. EXISTING BEAM TO BE REMOVED THAT HAS OTHER BEAMS FRAMING INTO IT.

FOR EXTENT OF COLUMN REMOVALS SEE S-5XX SERIES. FOR BEAMS TO BE SHORE, CUT AND RECONNECTED SEE STRUCTURAL FLOOR PLANS.

LEGEND:

- DENOTES EXISTING SLAB TO BE DEMOLISHED.
- DENOTES EXISTING SLAB TO REMAIN.
- DENOTES BEAM TO BE DEMOLISHED.
- DENOTES BEAM TO REMAIN.
- DENOTES EXISTING WALL TO REMAIN
- DENOTES EXISTING WALL TO BE DEMOLISHED.
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Mancini Duffy | Architect of Record
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New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
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Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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212 691 3020 | fmsp.com

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TORONTO, ON M4M 2M3
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Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

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New York, NY 10001
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07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

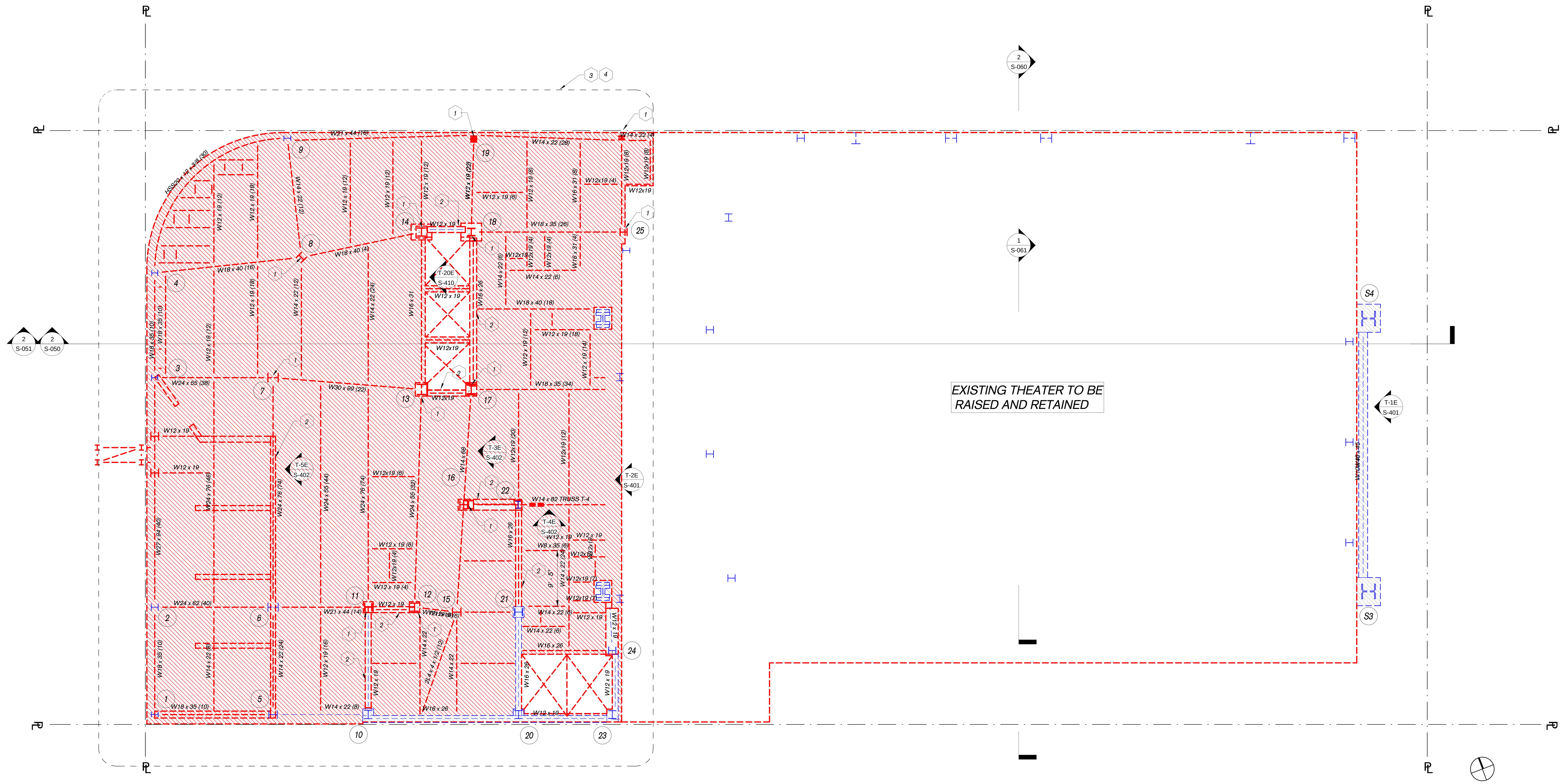
Project:
1568 Broadway

New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE-EXISTING 2ND FLOOR (EL 70'-8 3/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated
Signature & Seal: STATE OF NEW YORK · RAWSIE JIJINA · 060340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number: S-012.00



DEMOLITION SEQUENCE NOTES

1. EXISTING COLUMN TO BE REMOVED.
2. EXISTING WALL TO BE REMOVED.
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5. PART OF EXISTING BEAM TO BE REMOVED.
6. EXISTING BEAM TO BE REMOVED THAT HAS OTHER BEAMS FRAMING INTO IT.

FOR EXTENT OF COLUMN REMOVALS SEE S-5XX SERIES. FOR BEAMS TO BE SHORE, CUT AND RECONNECTED SEE STRUCTURAL FLOOR PLANS.

LEGEND:

DENOTES EXISTING SLAB TO BE DEMOLISHED.

DENOTES EXISTING SLAB TO REMAIN.

DENOTES BEAM TO BE DEMOLISHED.

DENOTES BEAM TO REMAIN.

DENOTES EXISTING WALL TO REMAIN

DENOTES EXISTING WALL TO BE DEMOLISHED.

DENOTES NEW OPENINGS FOR STAIRS, ELEVATORS, AND SHAFTS.

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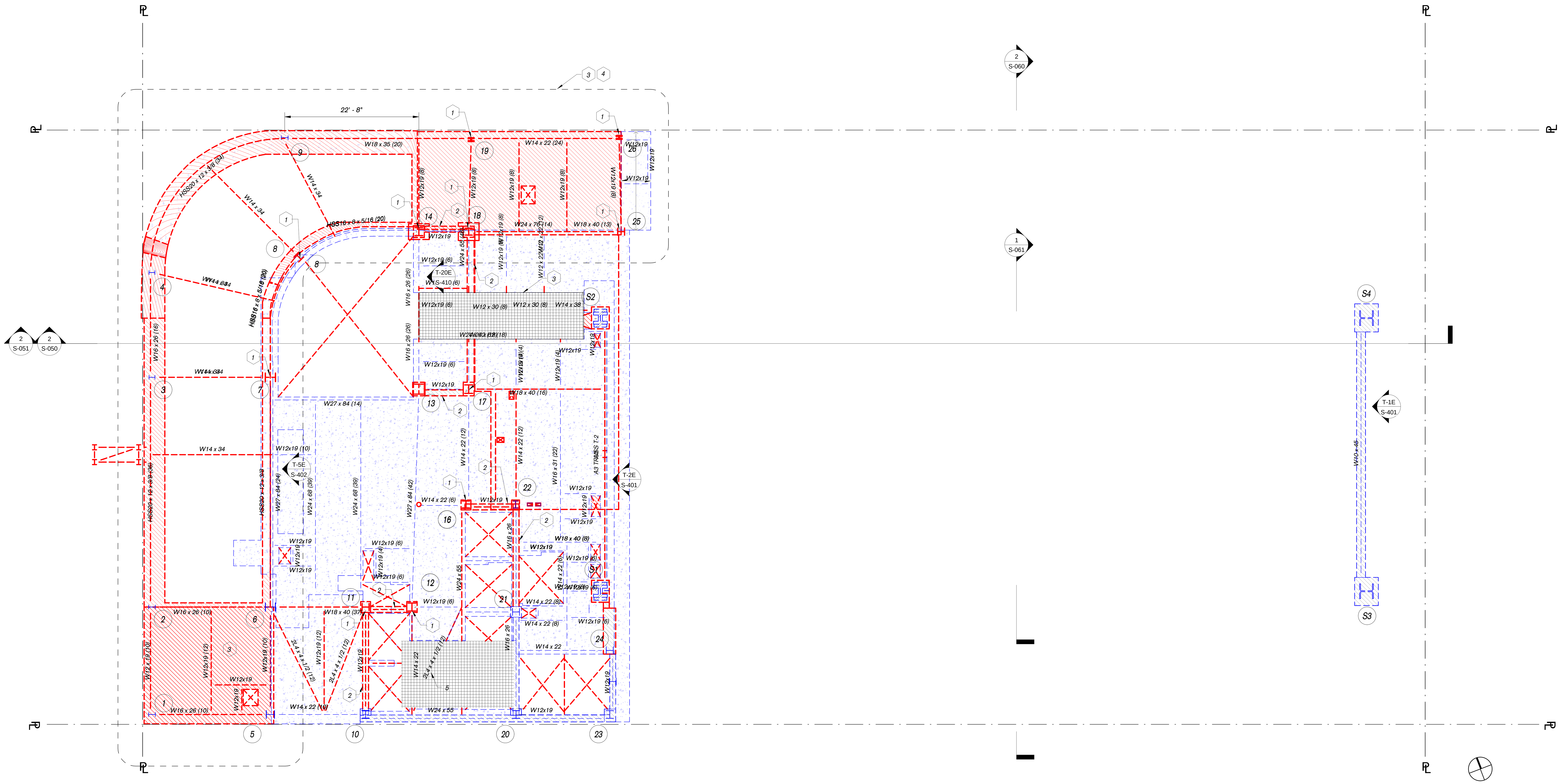
Project:
1568 Broadway

New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE-EXISTING 3RD FLOOR (EL 87'-2 3/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated
Signature & Seal:

Sheet Number: S-013.00



DEMOLITION SEQUENCE NOTES

1. EXISTING COLUMN TO BE REMOVED.
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Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

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14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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TORONTO, ON M4M 2M3
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40 West 27th Street, 12th Floor
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Urban Foundation Engineering Foundation Engineer
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11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Roxane Tsirigotis, RA
APPROVED Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

Project:
1568 Broadway

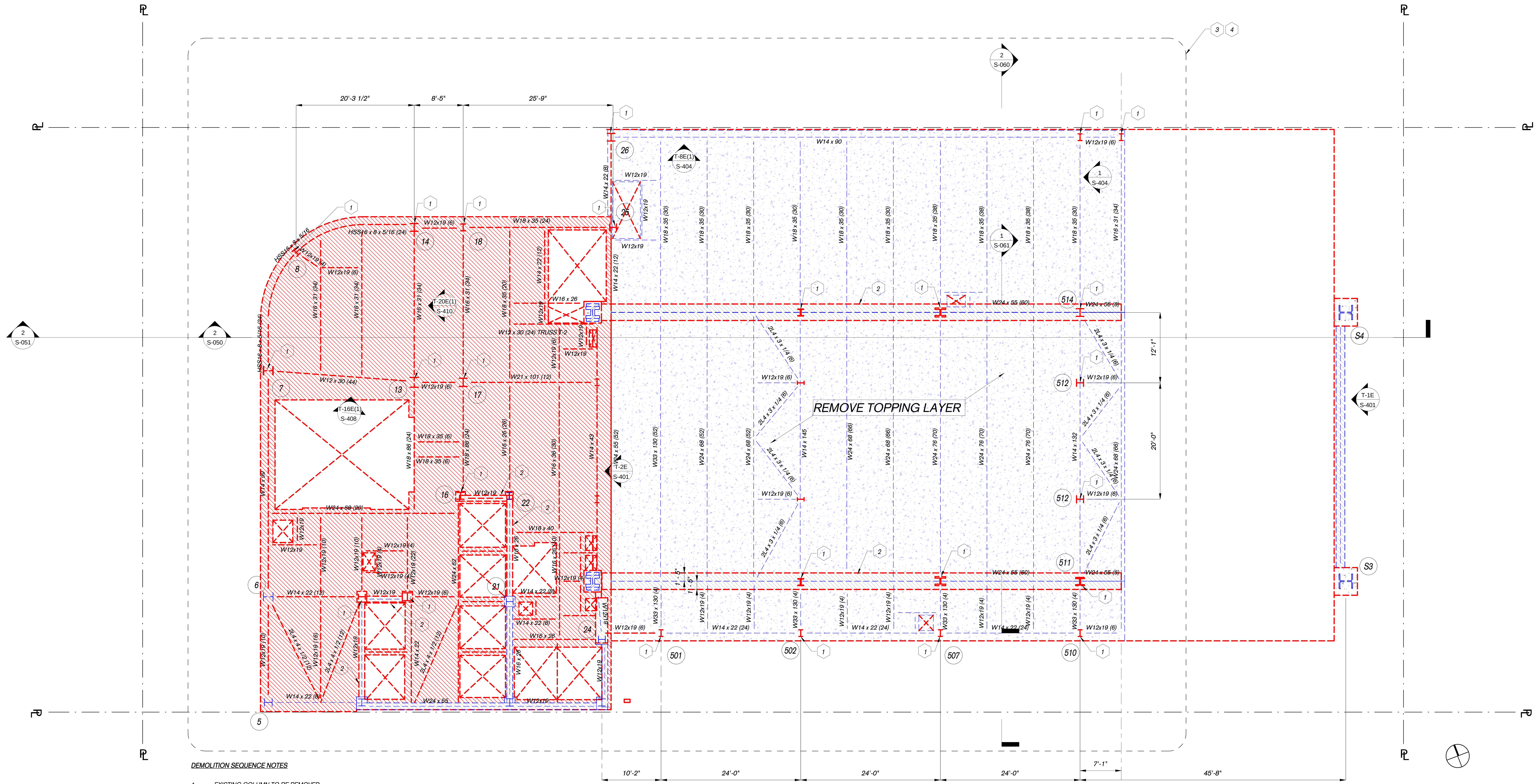
New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE-EXISTING 4TH FLOOR (EL 111'-1 7/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated

Signature & Seal:
STATE OF NEW YORK · AWSIE JIJINA · 060340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number: S-014.00



DEMOLITION SEQUENCE NOTES

1. EXISTING COLUMN TO BE REMOVED.
2. EXISTING WALL TO BE REMOVED.
3. EXISTING SLAB TO BE REMOVED.
4. EXISTING BEAM TO BE REMOVED.
5. PART OF EXISTING BEAM TO BE REMOVED.
6. EXISTING BEAM TO BE REMOVED THAT HAS OTHER BEAMS FRAMING INTO IT.

FOR EXTENT OF COLUMN REMOVALS SEE S-5XX SERIES. FOR BEAMS TO BE SHORE, CUT AND RECONNECTED SEE STRUCTURAL FLOOR PLANS.

LEGEND:

- DENOTES EXISTING SLAB TO BE DEMOLISHED.
- DENOTES EXISTING SLAB TO REMAIN.
- DENOTES BEAM TO BE DEMOLISHED.
- DENOTES BEAM TO REMAIN.
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Project:
1568 Broadway

New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE-EXISTING 5TH FLOOR (EL 133'-2 3/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated
Signature & Seal:
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Sheet Number:
S-015.00

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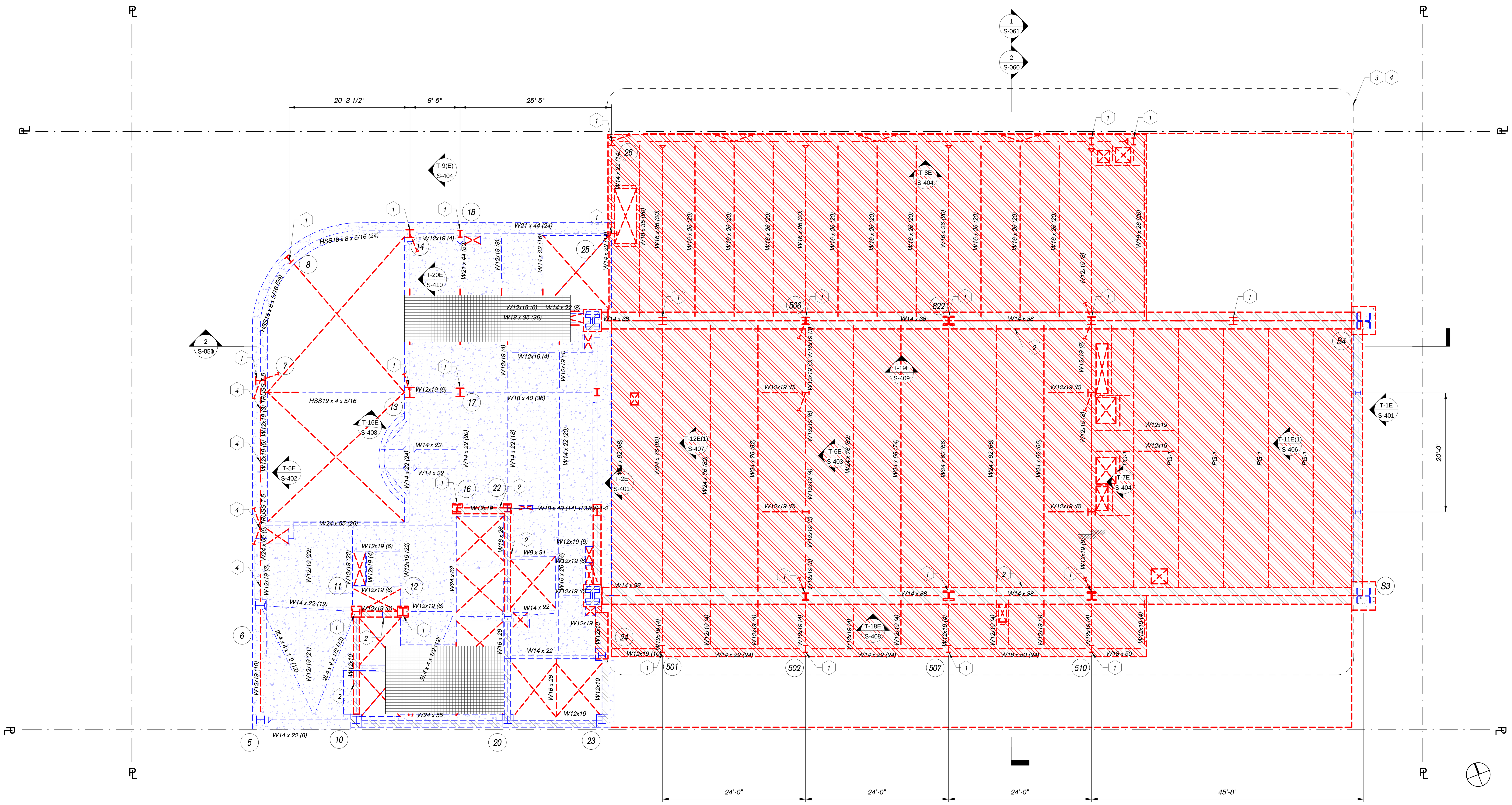

<u>*DEMOLITION SEQUENCE NOTES*</u>

1. *EXISTING COLUMN TO BE REMOVED.*
2. *EXISTING WALL TO BE REMOVED.*
3. *EXISTING SLAB TO BE REMOVED.*
4. *EXISTING BEAM TO BE REMOVED.*
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FOR EXTENT OF COLUMN REMOVALS SEE S-5XX SERIES. FOR BEAMS TO BE SHORE, CUT AND RECONNECTED SEE STRUCTURAL FLOOR PLANS.

<u>*LEGEND:*</u>

DENOTES EXISTING SLAB TO BE DEMOLISHED.

DENOTES EXISTING SLAB TO REMAIN.

DENOTES BEAM TO BE DEMOLISHED.

DENOTES BEAM TO REMAIN.

DENOTES EXISTING WALL TO REMAIN

DENOTES EXISTING WALL TO BE DEMOLISHED

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06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE-EXISTING 6TH FLOOR (EL 150'-7 7/8")

Project Number: 13649

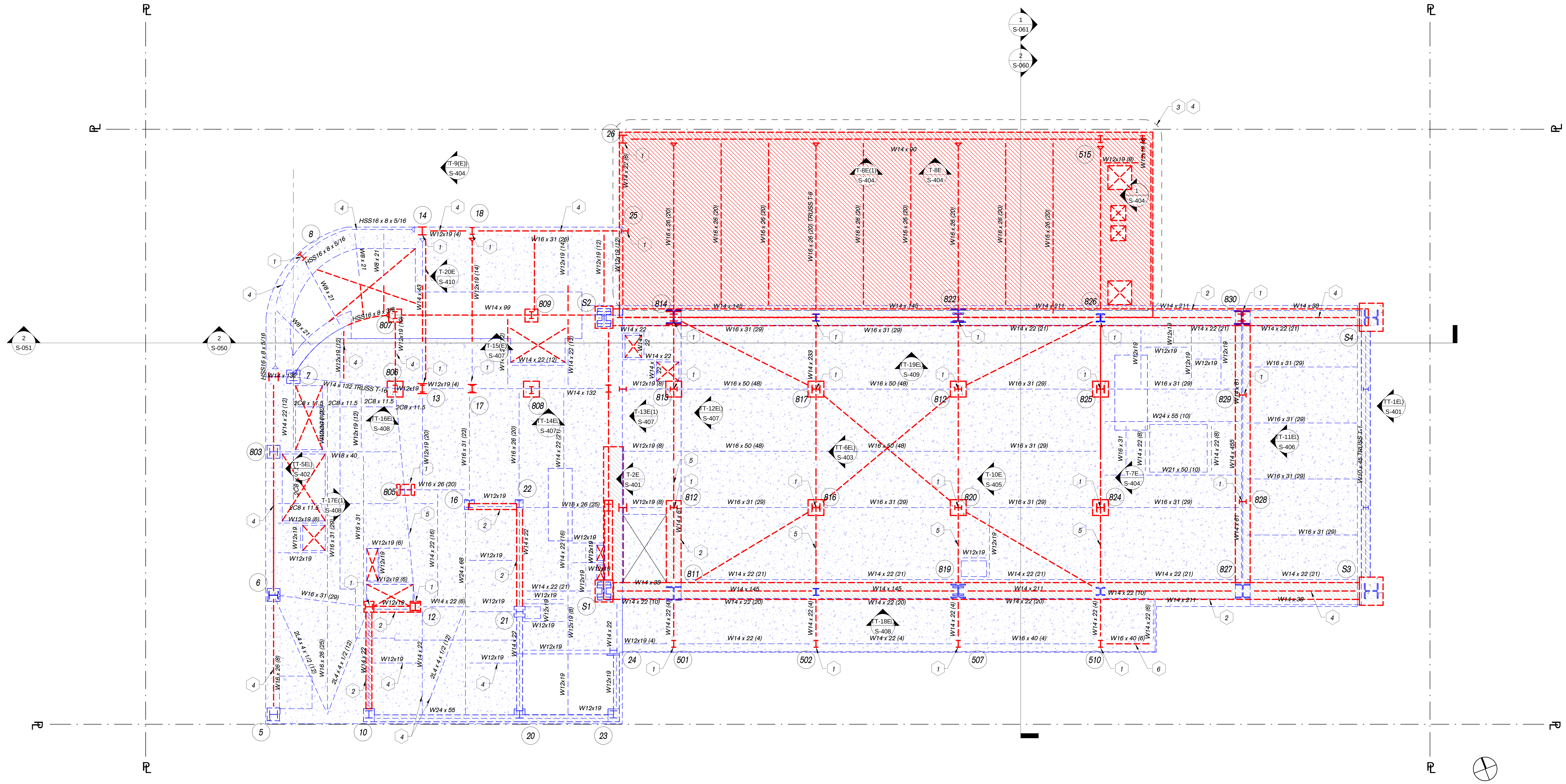
Drawn By: SNH/JBA

Checked By: CJ

Scale: As indicated

Signature & Seal:
STATE OF NEW YORK
CAWSIE JIJINA
060340
LICENSED PROFESSIONAL ENGINEER

Sheet Number:
S-016.00



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04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

New York, NY 10036

Sheet Title:

CONCEPTUAL DEMOLITION SCOPE-EXISTING 7TH FLOOR (EL 165'-7 7/8")

Project Number: 13649

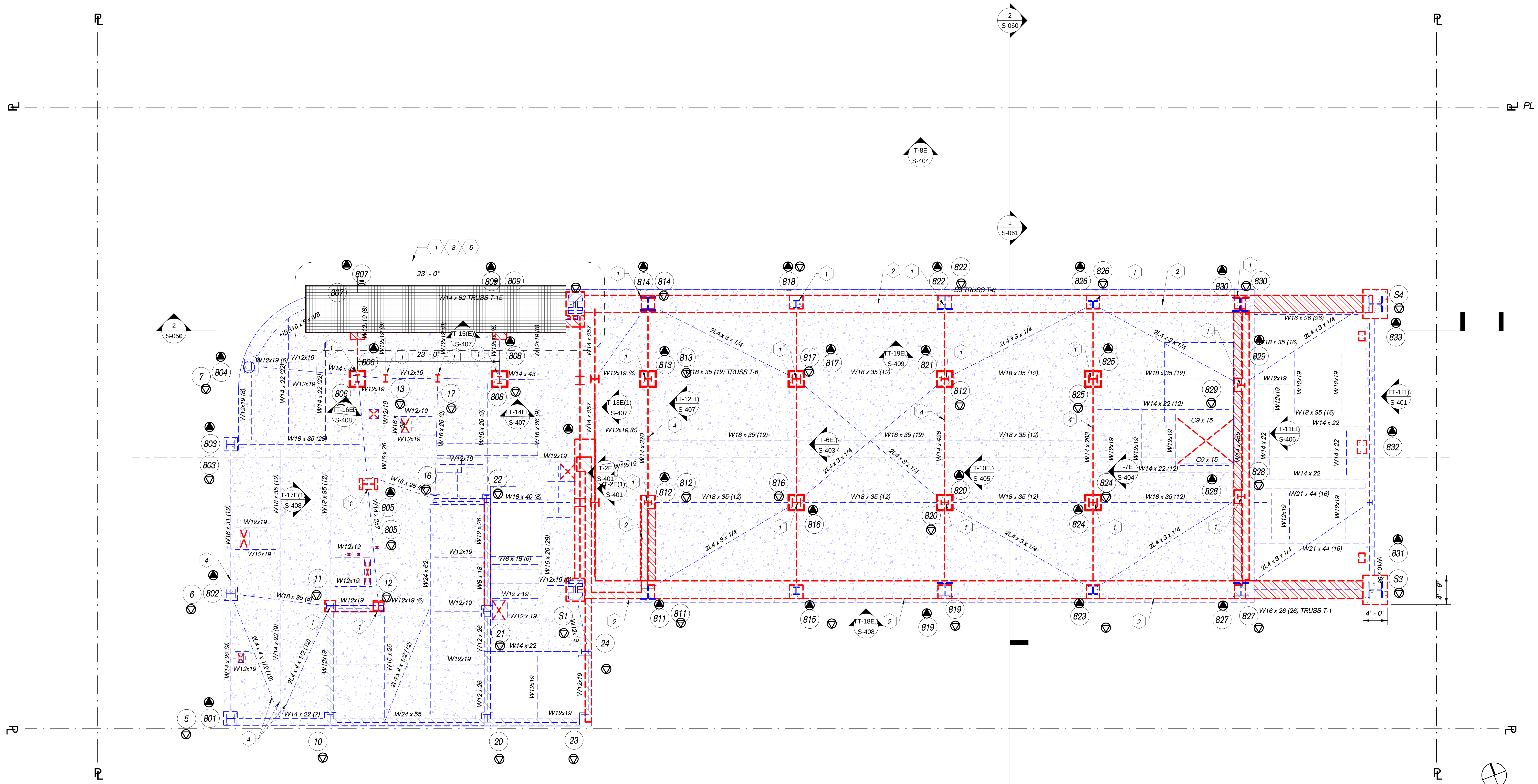
Drawn By: SNH/JBA

Checked By: CJ

Scale: As indicated

Signature & Seal:

Sheet Number: **S-017.00**



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LEGEND:

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Project:

1568 Broadway

New York, NY 10036

Sheet Title:

CONCEPTUAL DEMOLITION SCOPE-EXISTING 8TH FLOOR (EL 181'-7 7/8")

Project Number: 13649

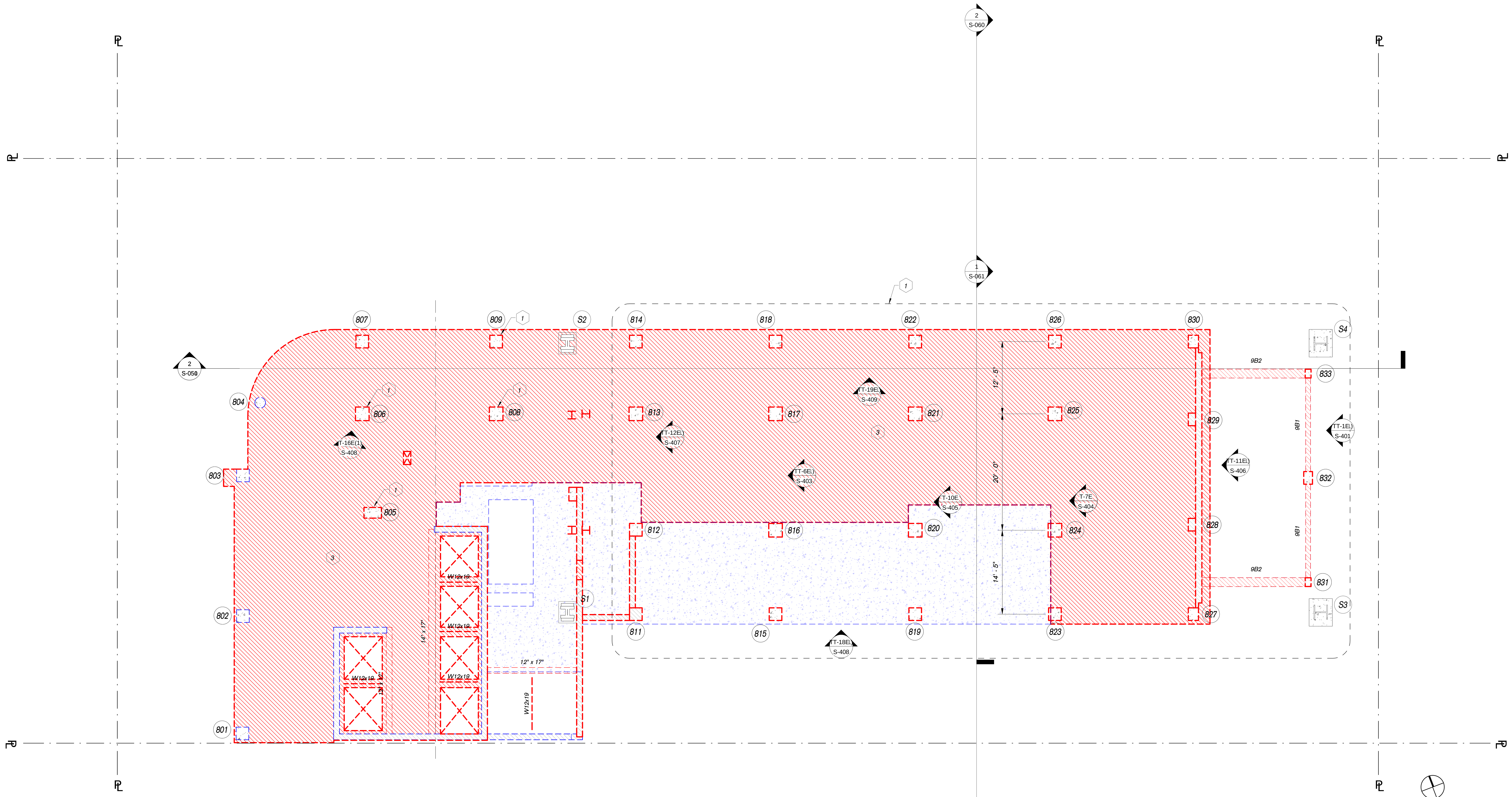
Drawn By: SNH/JBA

Checked By: CJ

Scale: As indicated

Signature & Seal:

Sheet Number: S-018.00



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11.09.2016	13	ISSUED FOR TA FILING
11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

New York, NY 10036

Sheet Title:

CONCEPTUAL DEMOLITION SCOPE-EXISTING 9TH FLOOR (EL 190'-4 3/8")

Project Number: 13649

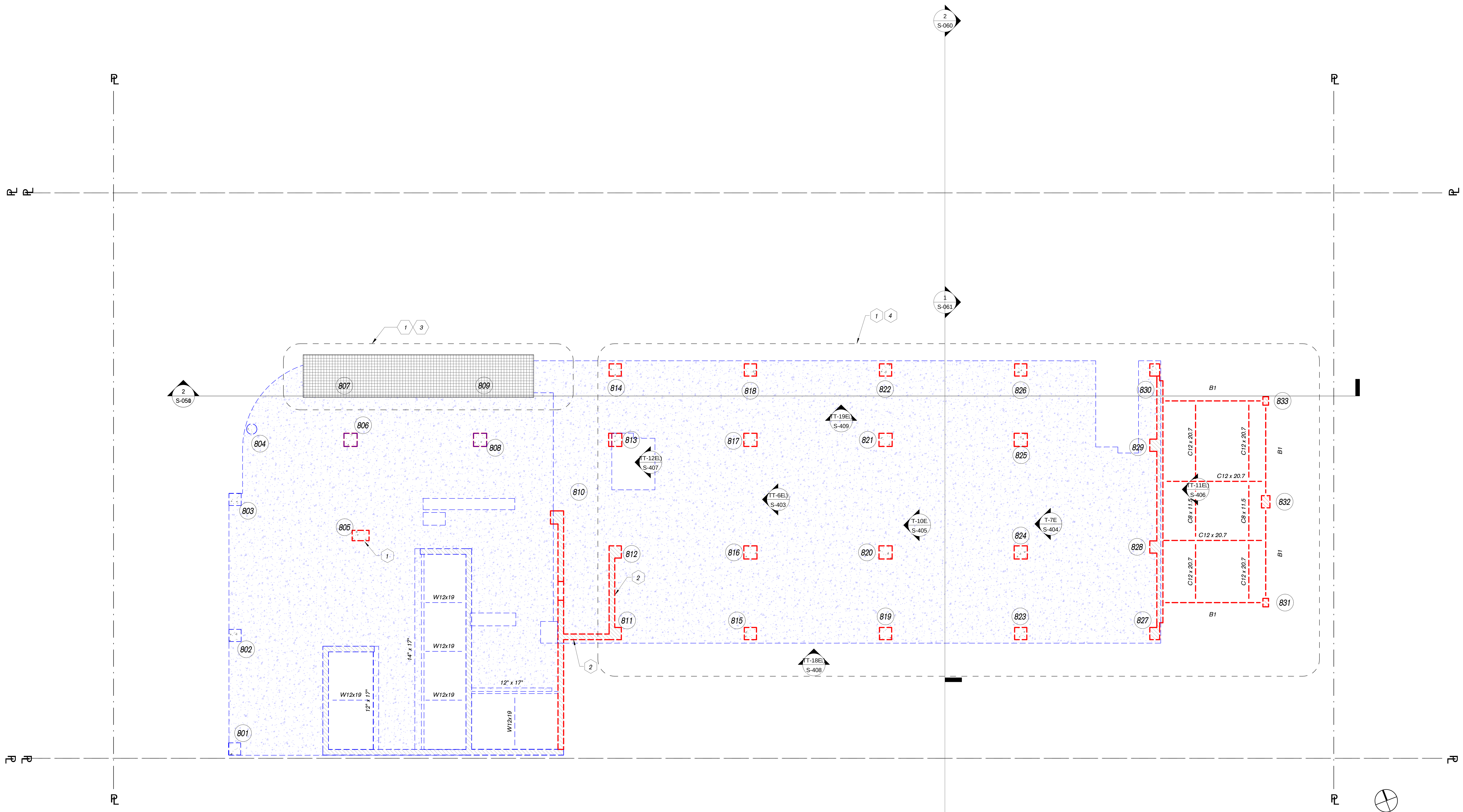
Drawn By: SNH/JBA

Checked By: CJ

Scale: As indicated

Signature & Seal: STATE OF NEW YORK · CAWSIE JIJINA · 060340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number: S-019.00



DEMOLITION SEQUENCE NOTES

1. EXISTING COLUMN TO BE REMOVED.
2. EXISTING WALL TO BE REMOVED.
3. EXISTING SLAB TO BE REMOVED.
4. EXISTING BEAM TO BE REMOVED.
5. PART OF EXISTING BEAM TO BE REMOVED.
6. EXISTING BEAM TO BE REMOVED THAT HAS OTHER BEAMS FRAMING INTO IT.

FOR EXTENT OF COLUMN REMOVALS SEE S-5XX SERIES. FOR BEAMS TO BE SHORE, CUT AND RECONNECTED SEE STRUCTURAL FLOOR PLANS.

LEGEND:

- DENOTES EXISTING SLAB TO BE DEMOLISHED.
- DENOTES EXISTING SLAB TO REMAIN.
- DENOTES BEAM TO BE DEMOLISHED.
- DENOTES BEAM TO REMAIN.
- DENOTES EXISTING WALL TO REMAIN
- DENOTES EXISTING WALL TO BE DEMOLISHED.
- DENOTES NEW OPENINGS FOR STAIRS, ELEVATORS, AND SHAFTS.

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New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
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New York, NY 10018
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Cosentini Associates | Mechanical Engineer
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TORONTO, ON M4M 2M3
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Urban Foundation Engineering Foundation Engineer
3233 111th Street
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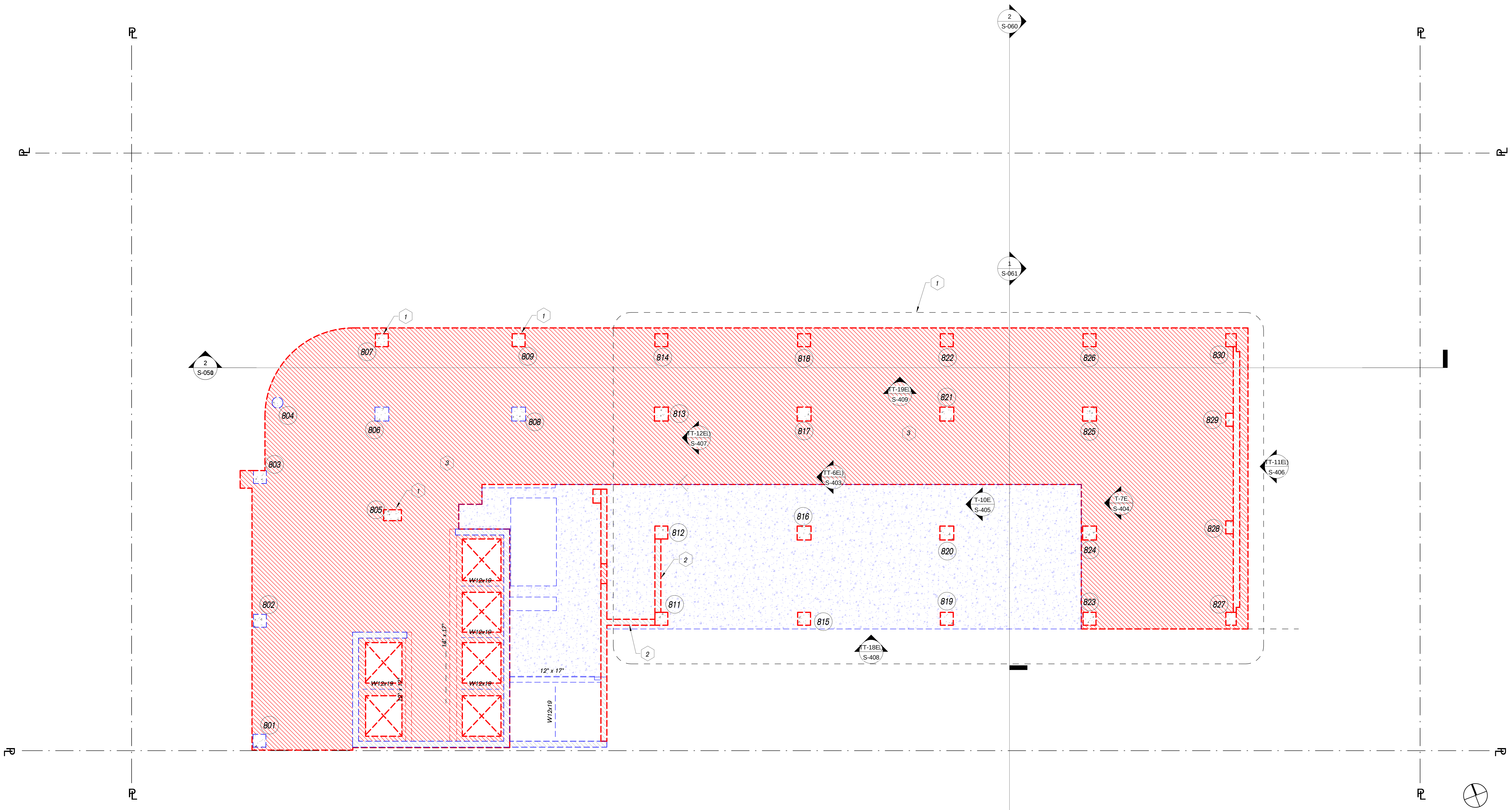
11.09.2016	13	ISSUED FOR TA FILING
11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway
New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE-EXISTING 10TH FLOOR (EL 199'-0 7/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated
Signature & Seal:
Sheet Number: S-020.00



DEMOLITION SEQUENCE NOTES

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2. EXISTING WALL TO BE REMOVED.
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4. EXISTING BEAM TO BE REMOVED.
5. PART OF EXISTING BEAM TO BE REMOVED.
6. EXISTING BEAM TO BE REMOVED THAT HAS OTHER BEAMS FRAMING INTO IT.

FOR EXTENT OF COLUMN REMOVALS SEE S-5XX SERIES. FOR BEAMS TO BE SHORE, CUT AND RECONNECTED SEE STRUCTURAL FLOOR PLANS.

LEGEND:

- DENOTES EXISTING SLAB TO BE DEMOLISHED.
- DENOTES EXISTING SLAB TO REMAIN.
- DENOTES BEAM TO BE DEMOLISHED.
- DENOTES BEAM TO REMAIN.
- DENOTES EXISTING WALL TO REMAIN
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10.14.2016	11	TA RESUBMITTAL CHECK SET
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09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

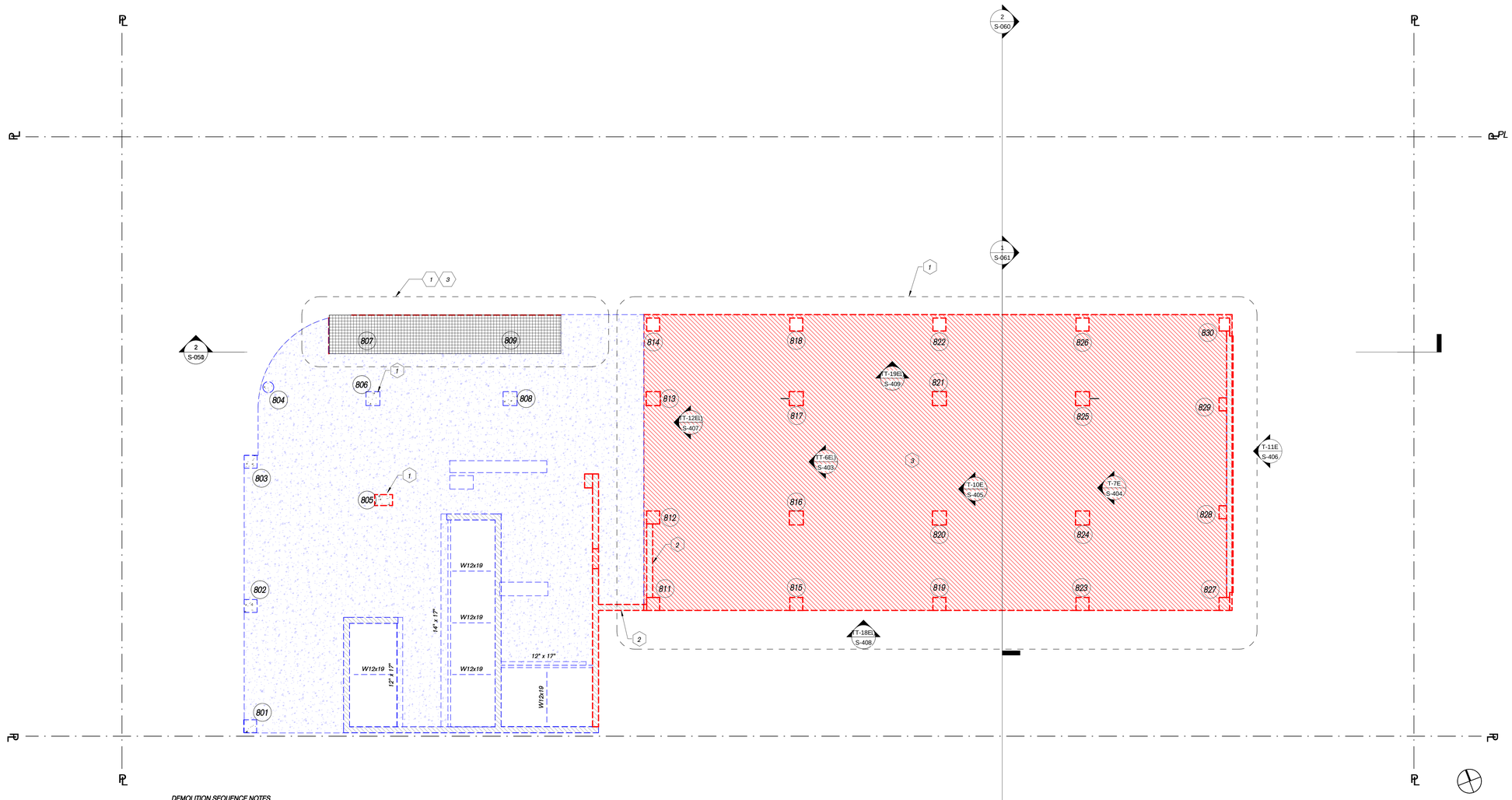
Project:
1568 Broadway

New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE-EXISTING 11TH FLOOR (EL 207'-9 3/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated
Signature & Seal:

Sheet Number:
S-021.00



DEMOLITION SEQUENCE NOTES

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2. *EXISTING WALL TO BE REMOVED.*
3. *EXISTING SLAB TO BE REMOVED.*
4. *EXISTING BEAM TO BE REMOVED.*
5. *PART OF EXISTING BEAM TO BE REMOVED.*
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FOR EXTENT OF COLUMN REMOVALS SEE S-5XX SERIES. FOR BEAMS TO BE SHORE, CUT AND RECONNECTED SEE STRUCTURAL FLOOR PLANS.

LEGEND:

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DENOTES EXISTING SLAB TO REMAIN.

DENOTES BEAM TO BE DEMOLISHED.

DENOTES BEAM TO REMAIN.

DENOTES EXISTING WALL TO REMAIN

DENOTES EXISTING WALL TO BE DEMOLISHED.

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Roxane Tsirigotis, RA
APPROVED
Under Directive 14 of 1975
New Jersey
NYC Development Hub

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
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New York, NY 10001
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Severud Associates | Structural Engineer
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DOB APPROVAL STAMP

Date:	No.:	Description:
08.08.2017	16	REISSUE FOR DOB FILING
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09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE-EXISTING 12TH FLOOR (EL 216'-5 7/8")

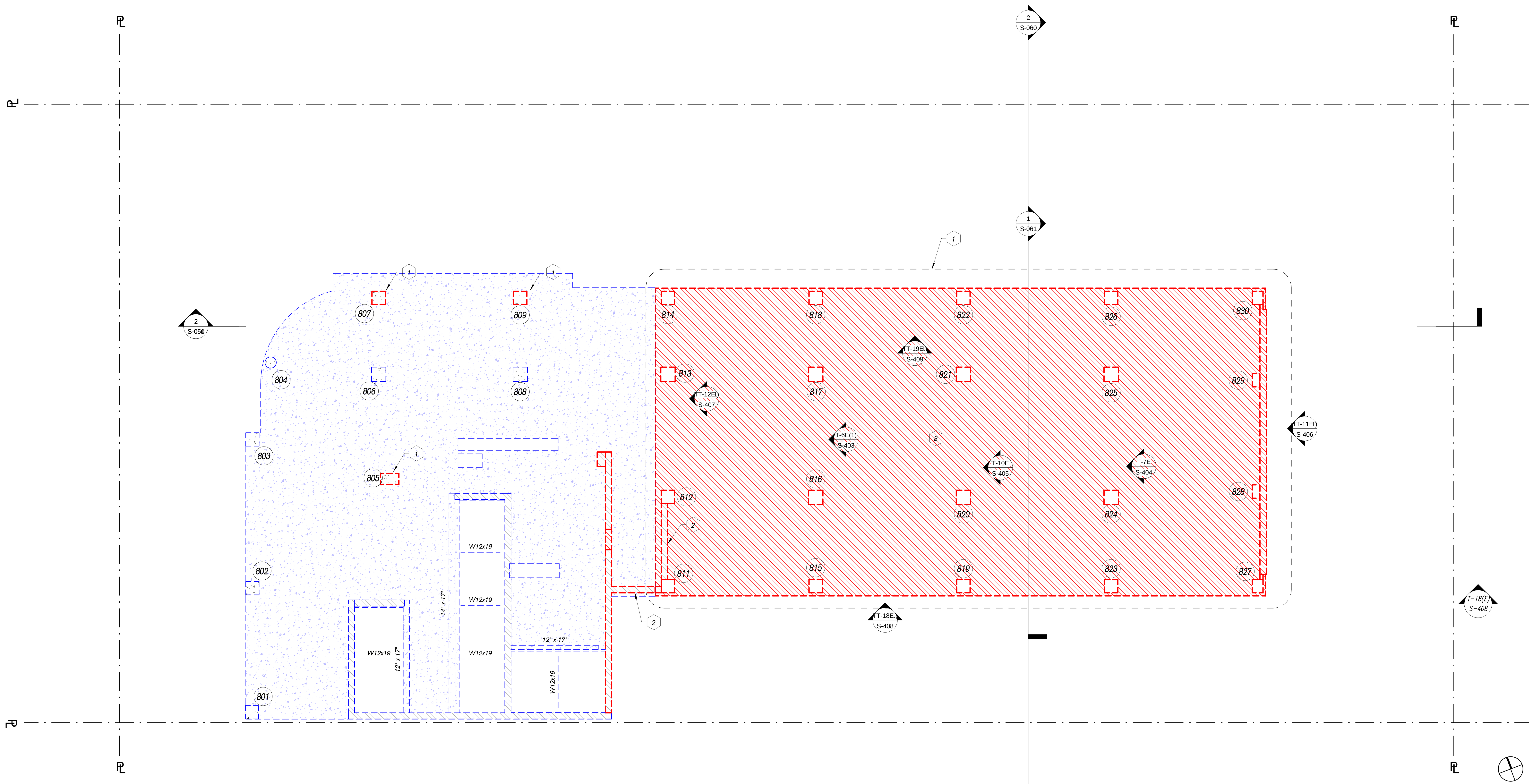
Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated

Signature & Seal:

STATE OF NEW YORK · JENNIFER JURADO · 040340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number:
S-022.00

10/5/2017 4:58:59 PM



DEMOLITION SEQUENCE NOTES

1. *EXISTING COLUMN TO BE REMOVED.*
2. *EXISTING WALL TO BE REMOVED.*
3. *EXISTING SLAB TO BE REMOVED.*
4. *EXISTING BEAM TO BE REMOVED.*
5. *PART OF EXISTING BEAM TO BE REMOVED.*
6. *EXISTING BEAM TO BE REMOVED THAT HAS OTHER BEAMS FRAMING INTO IT.*

FOR EXTENT OF COLUMN REMOVALS SEE S-5XX SERIES. FOR BEAMS TO BE SHORE, CUT AND RECONNECTED SEE STRUCTURAL FLOOR PLANS.

LEGEND:

DENOTES EXISTING SLAB TO BE DEMOLISHED.

DENOTES EXISTING SLAB TO REMAIN.

DENOTES BEAM TO BE DEMOLISHED.

DENOTES BEAM TO REMAIN.

DENOTES EXISTING WALL TO REMAIN

DENOTES EXISTING WALL TO BE DEMOLISHED.

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Urban Foundation Engineering Foundation Engineer
3233 111th Street
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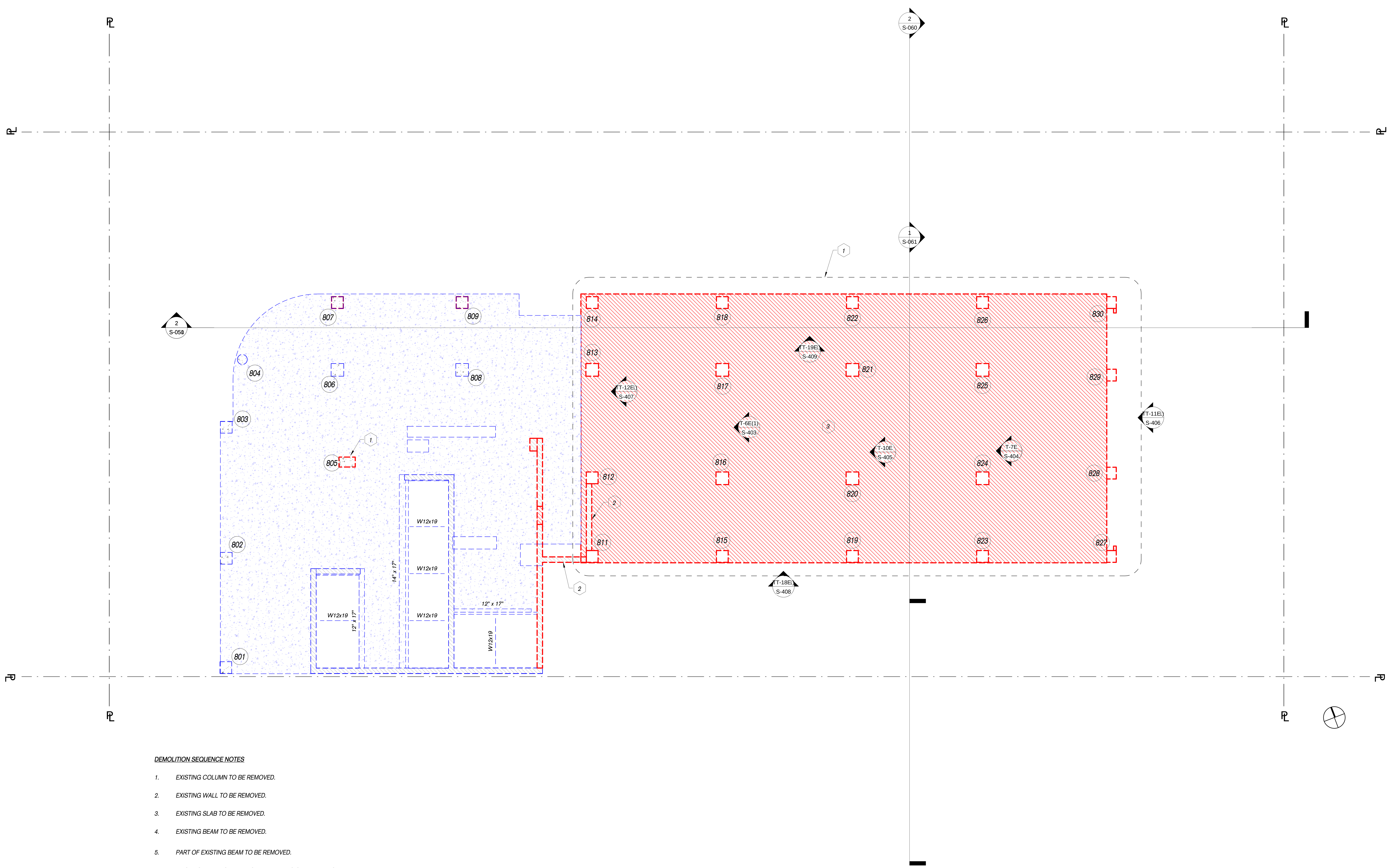
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE-EXISTING 13TH FLOOR (EL 225'-2 3/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated
Signature & Seal:
Sheet Number: S-023.00



DEMOLITION SEQUENCE NOTES

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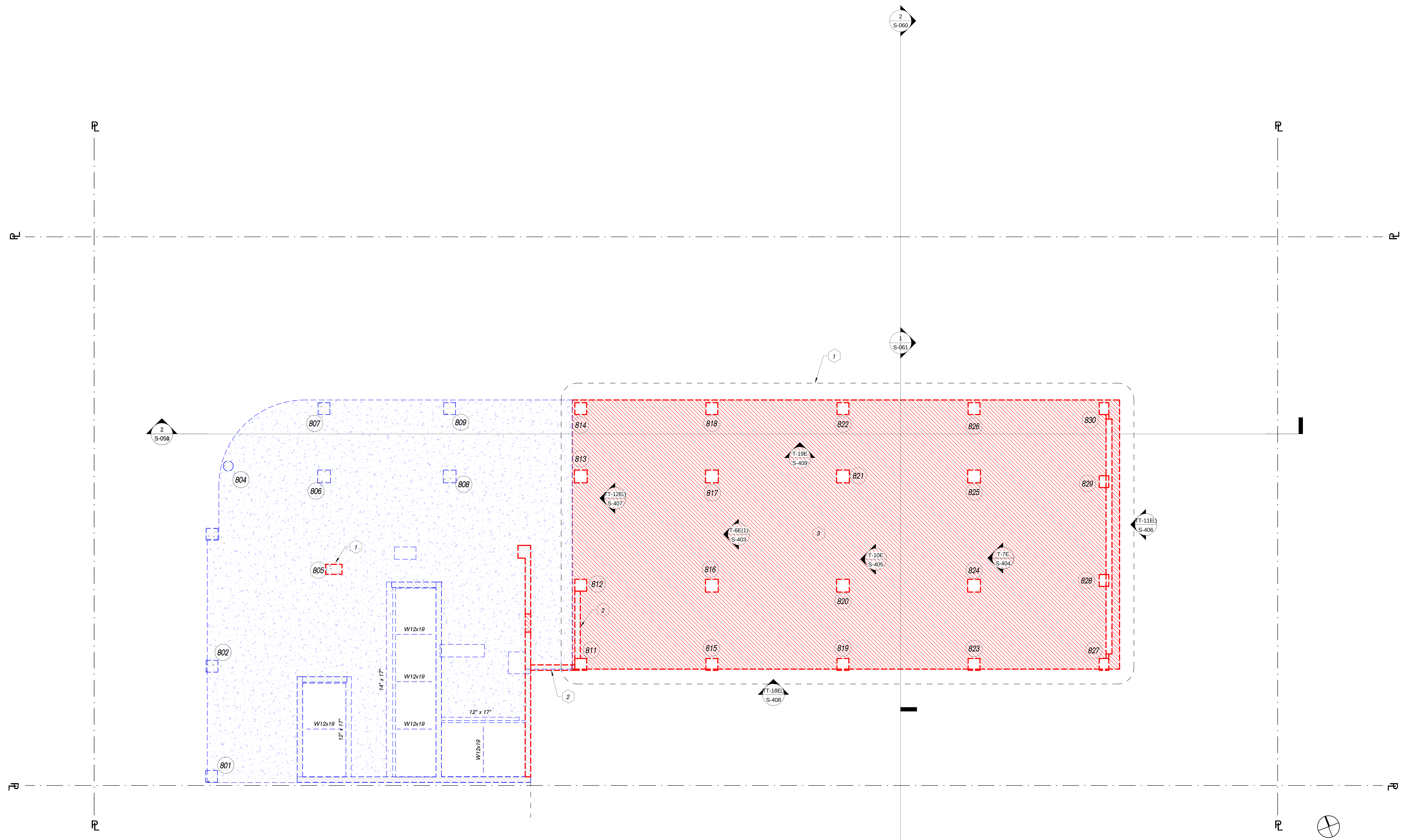
Project:
1568 Broadway
New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE-EXISTING 14TH FLOOR (EL 233'-10 7/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated
Signature & Seal:

Sheet Number: **S-024.00**



DEMOLITION SEQUENCE NOTES

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Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
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14 Wall Street, 2nd Floor
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22 West 19th Street, Floor 6
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203.838.4167 | jaffeholden.com

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55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
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212.479.5400 | langan.com

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Urban Foundation Engineering Foundation Engineer
3233 111th Street
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212.209.1536

DOB APPROVAL STAMP

Date:	No.:	Description:
08.08.2017	16	REISSUE FOR DOB FILING
12.09.2016	15	ISSUED FOR DOB FILING
11.15.2016	14	SOFT & STRUCTURAL DEMOLITION ISSUED FOR BID
11.09.2016	13	ISSUED FOR TA FILING
11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE-EXISTING 15TH FLOOR (EL 242'-7 3/8")

Project Number: 13649

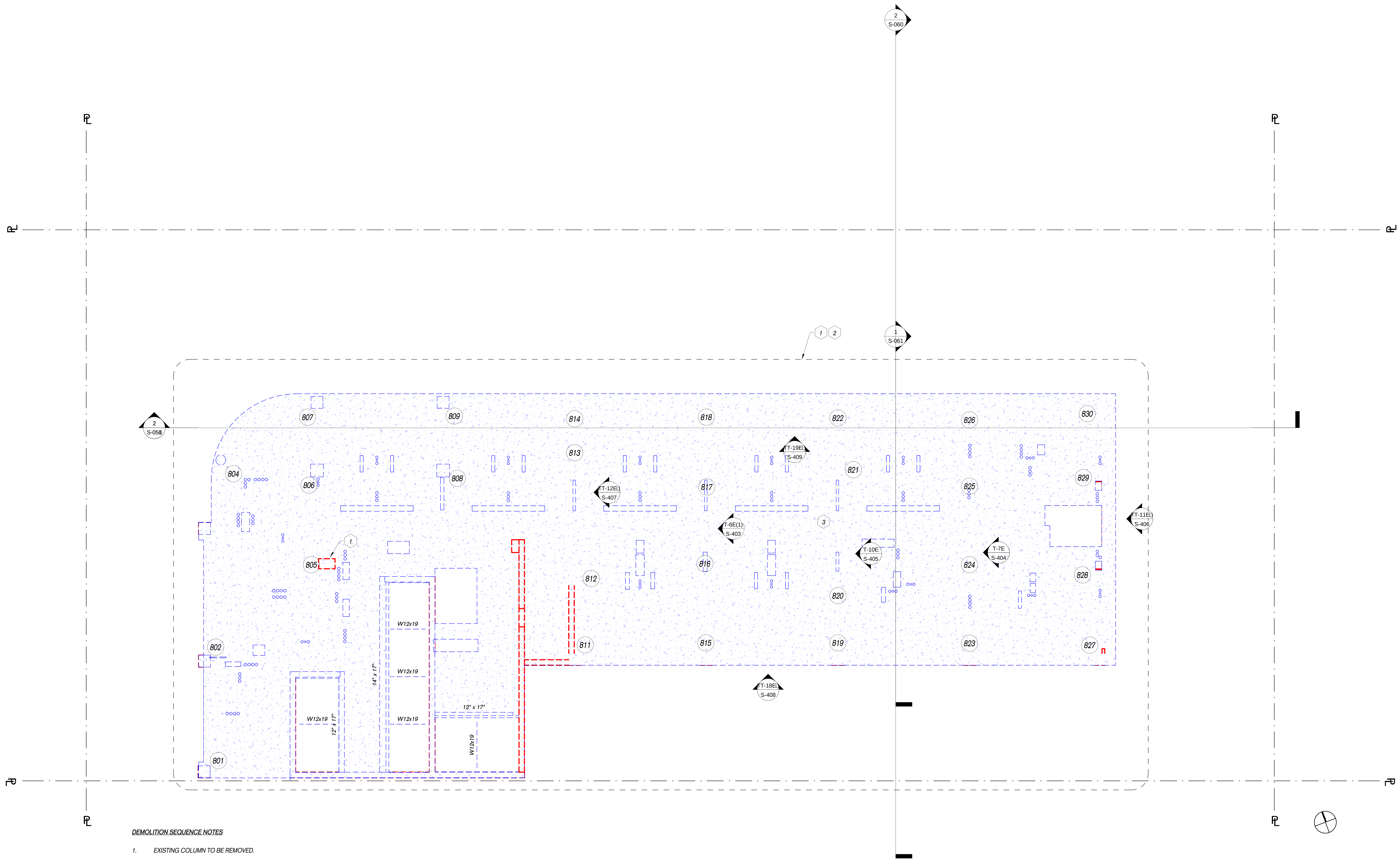
Drawn By: SNH/JBA

Checked By: CJ

Scale: As indicated

Signature & Seal:

Sheet Number: S-025.00



DEMOLITION SEQUENCE NOTES

1. EXISTING COLUMN TO BE REMOVED.
2. EXISTING WALL TO BE REMOVED.
3. EXISTING SLAB TO BE REMOVED.
4. EXISTING BEAM TO BE REMOVED.
5. PART OF EXISTING BEAM TO BE REMOVED.
6. EXISTING BEAM TO BE REMOVED THAT HAS OTHER BEAMS FRAMING INTO IT.

FOR EXTENT OF COLUMN REMOVALS SEE S-5XX SERIES. FOR BEAMS TO BE SHORE, CUT AND RECONNECTED SEE STRUCTURAL FLOOR PLANS.

LEGEND:

DENOTES EXISTING SLAB TO BE DEMOLISHED.

DENOTES EXISTING SLAB TO REMAIN.

DENOTES BEAM TO BE DEMOLISHED.

DENOTES BEAM TO REMAIN.

DENOTES EXISTING WALL TO REMAIN

DENOTES EXISTING WALL TO BE DEMOLISHED.

DENOTES NEW OPENINGS FOR STAIRS, ELEVATORS, AND SHAFTS.

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09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

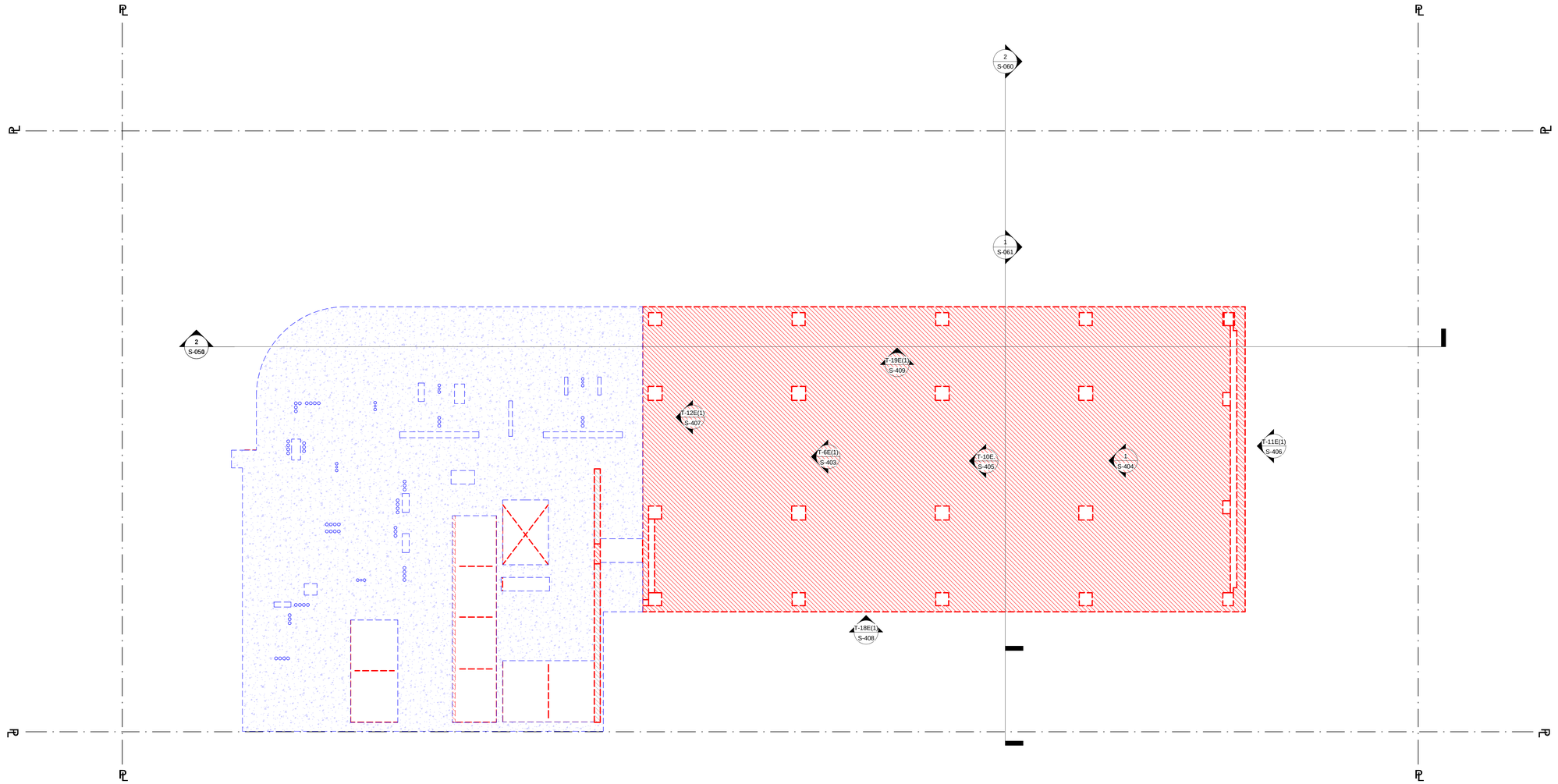
Project:
1568 Broadway

New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE-EXISTING 16TH FLOOR (EL 251'-3 7/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated
Signature & Seal:

Sheet Number: S-026.00



DEMOLITION SEQUENCE NOTES

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2. *EXISTING WALL TO BE REMOVED.*
3. *EXISTING SLAB TO BE REMOVED.*
4. *EXISTING BEAM TO BE REMOVED.*
5. *PART OF EXISTING BEAM TO BE REMOVED.*
6. *EXISTING BEAM TO BE REMOVED THAT HAS OTHER BEAMS FRAMING INTO IT.*

FOR EXTENT OF COLUMN REMOVALS SEE S-5XX SERIES. FOR BEAMS TO BE SHORE, CUT AND RECONNECTED SEE STRUCTURAL FLOOR PLANS.

LEGEND:

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- *DENOTES EXISTING SLAB TO REMAIN.*
- *DENOTES BEAM TO BE DEMOLISHED.*
- *DENOTES BEAM TO REMAIN.*
- *DENOTES EXISTING WALL TO REMAIN*
- *DENOTES EXISTING WALL TO BE DEMOLISHED.*
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Roxane Tsirigotis, RA
APPROVED
Under Directive 14 1975
Date: 04/05/2016
NYC Development Hub

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
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09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

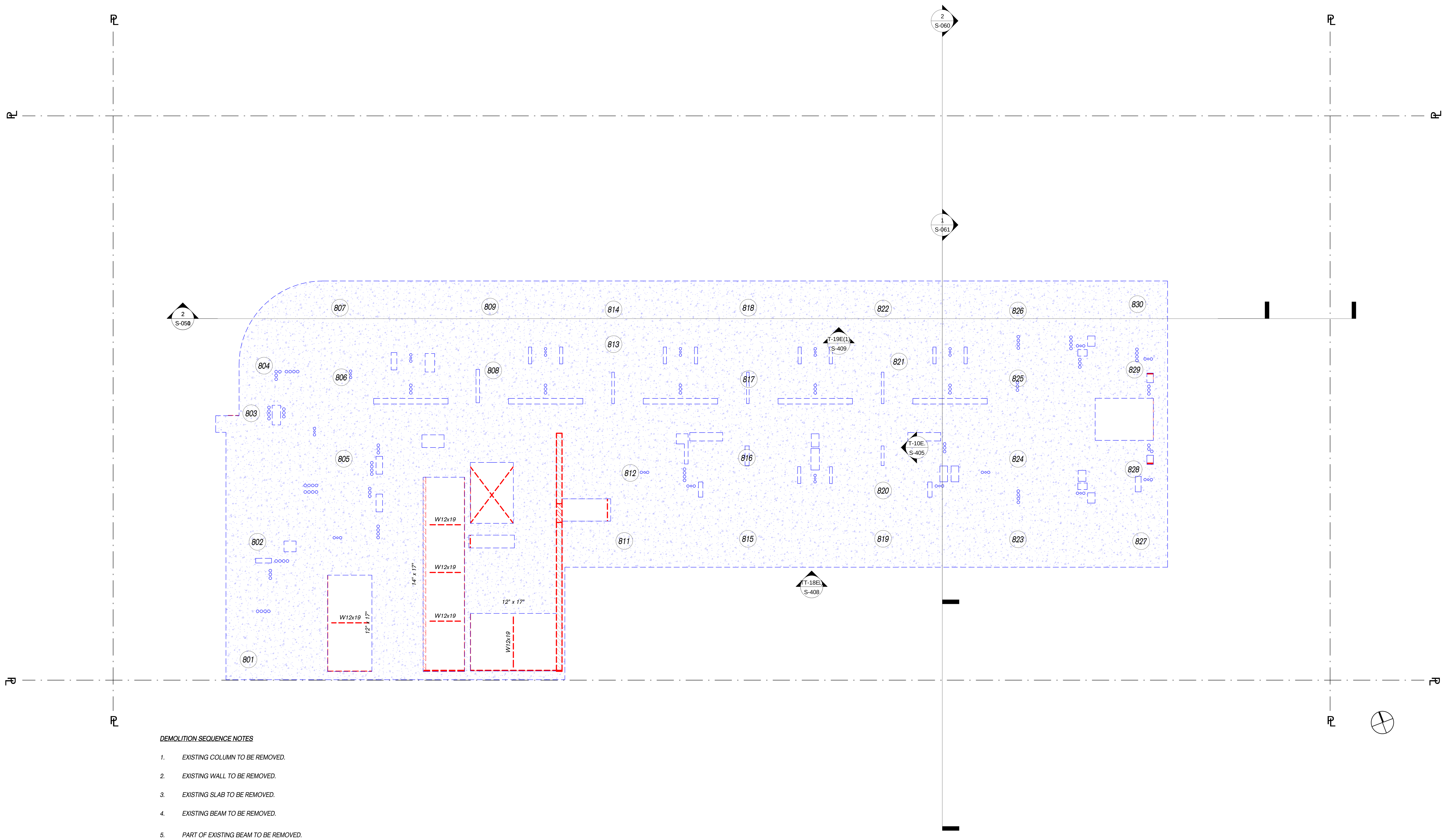
Sheet Title:
CONCEPTUAL DEMOLITION SCOPE - EXISTING 17TH FLOOR (EL 260'-6 7/8")

Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: As indicated

Signature & Seal:
STATE OF NEW YORK · JANNIE JUNG · 040340 · REGISTERED ARCHITECT

Sheet Number:
S-027.00

10/5/2017 8:40:28 PM



DEMOLITION SEQUENCE NOTES

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2. EXISTING WALL TO BE REMOVED.
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FOR EXTENT OF COLUMN REMOVALS SEE S-5XX SERIES. FOR BEAMS TO BE SHORE, CUT AND RECONNECTED SEE STRUCTURAL FLOOR PLANS.

LEGEND:

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- DENOTES EXISTING SLAB TO REMAIN.
- DENOTES BEAM TO BE DEMOLISHED.
- DENOTES BEAM TO REMAIN.
- DENOTES EXISTING WALL TO REMAIN
- DENOTES EXISTING WALL TO BE DEMOLISHED.
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New York, NY 10001
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Urban Foundation Engineering Foundation Engineer
3233 111th Street
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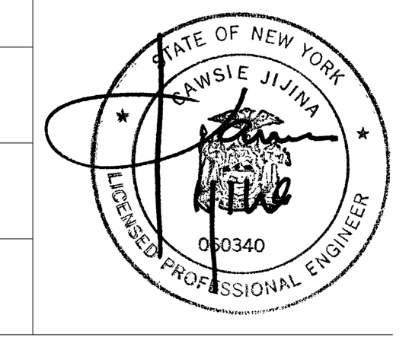
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway
New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE - EXISTING 18TH FLOOR (EL 269'-3 3/8")

Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: As indicated

Signature & Seal:



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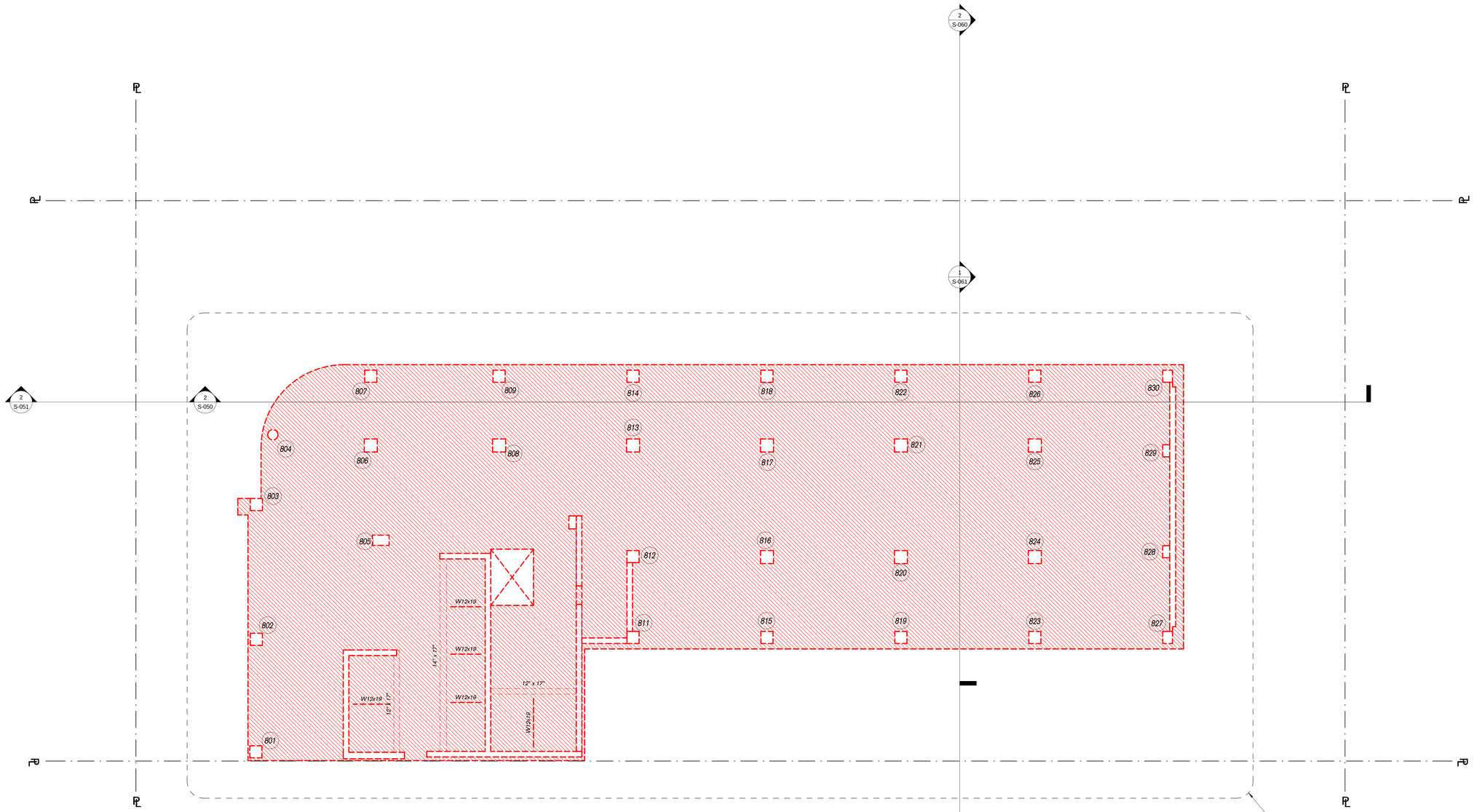

DEMOLITION SEQUENCE NOTES

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FOR EXTENT OF COLUMN REMOVALS SEE S-XXX SERIES. FOR BEAMS TO BE SHORE, CUT AND RECONNECTED SEE STRUCTURAL FLOOR PLANS.

LEGEND:

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- *DENOTES EXISTING SLAB TO REMAIN.*
- *DENOTES BEAM TO BE DEMOLISHED.*
- *DENOTES BEAM TO REMAIN.*
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Roxane Tsirigotis, RA
APPROVED
Under Direction of Job's
Date: 04/25/2016
NYC Development Hub

PBDW ARCHITECTS

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49 West 37th Street, New York, NY 10018
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07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN
Date:	No.:	Description:

Project:
1568 Broadway

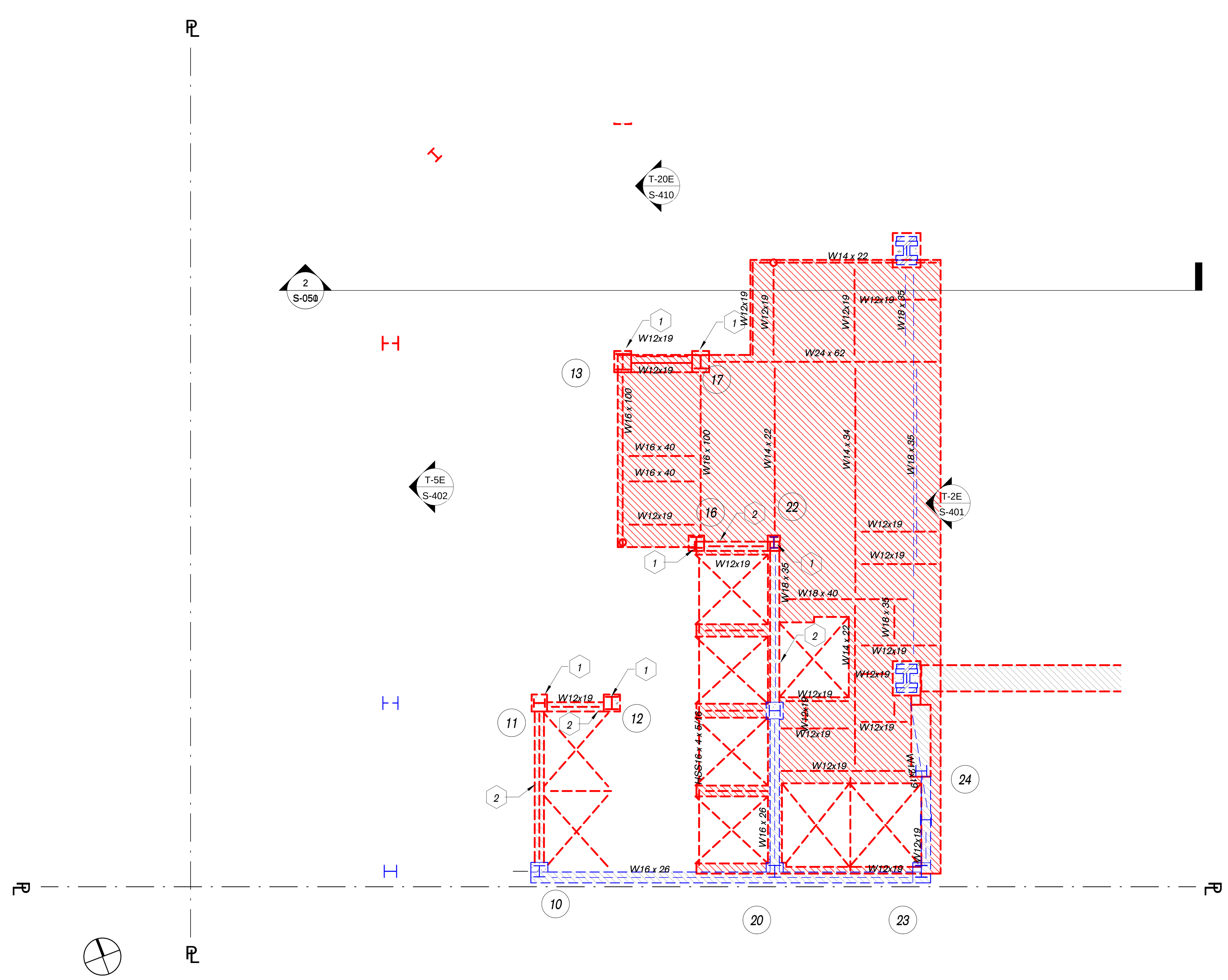
New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE - EXISTING 19TH-43RD FLOORS

Project Number: 13649	Signature & Seal:
Drawn By: Author	
Checked By: Checker	
Scale: As indicated	

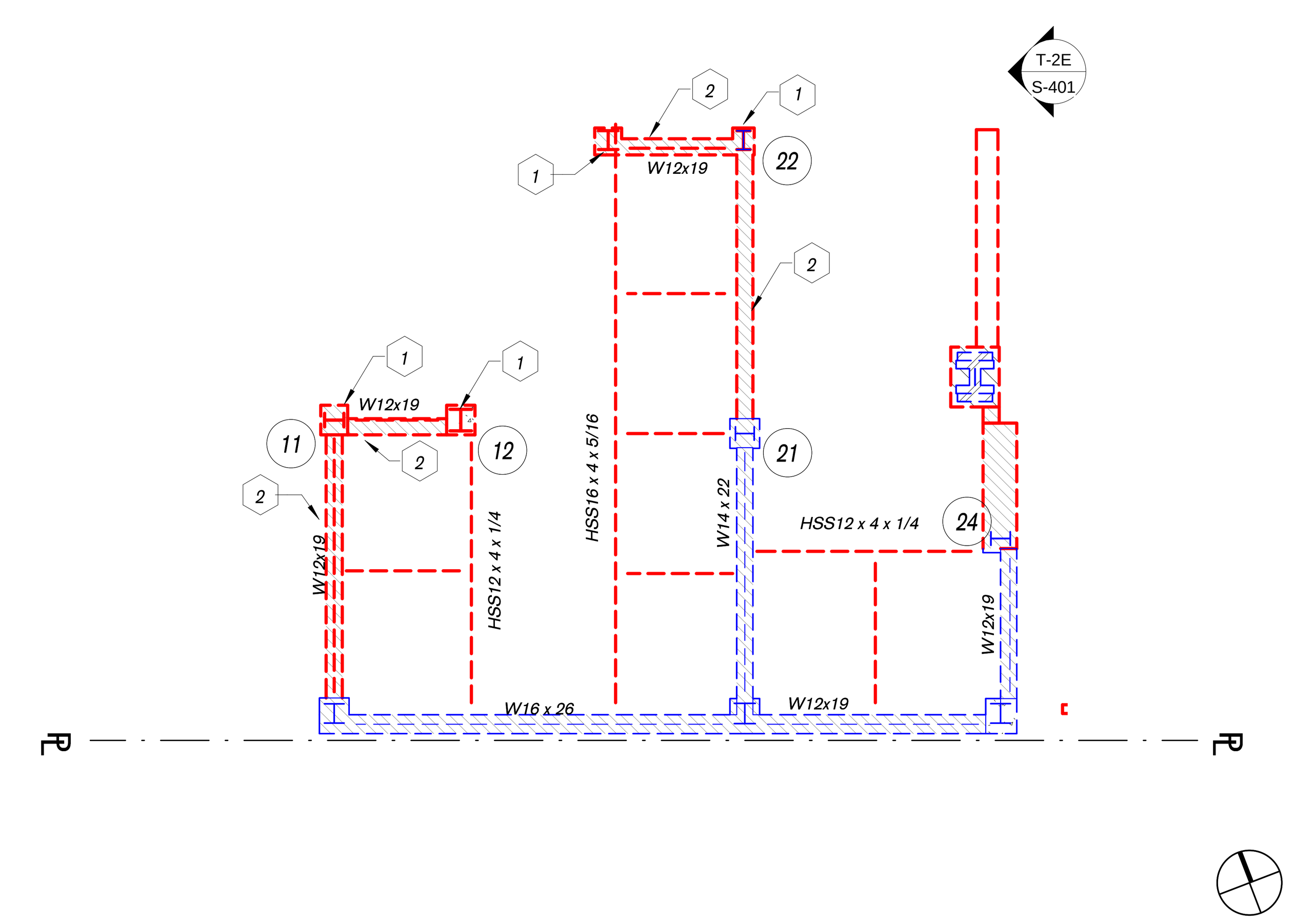
Sheet Number:
S-029.00

4/5/2017 9:40:09 PM



EX. 4M FLR - DEMO - PHASE 1

1/8" = 1'-0"



Level 5 Inter (EXIST) - PHASE 1

1/8" = 1'-0"

DEMOLITION SEQUENCE NOTES

1. EXISTING COLUMN TO BE REMOVED.
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DENOTES BEAM TO REMAIN.

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10.14.2016	11	TA RESUBMITTAL CHECK SET
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09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE-PART PLANS

Project Number: 13649

Drawn By: SNH/JBA

Checked By: CJ

Scale: As indicated

Signature & Seal:
STATE OF NEW YORK
CAWSIE JIJINA
060340
LICENSED PROFESSIONAL ENGINEER

Sheet Number: S-030.00

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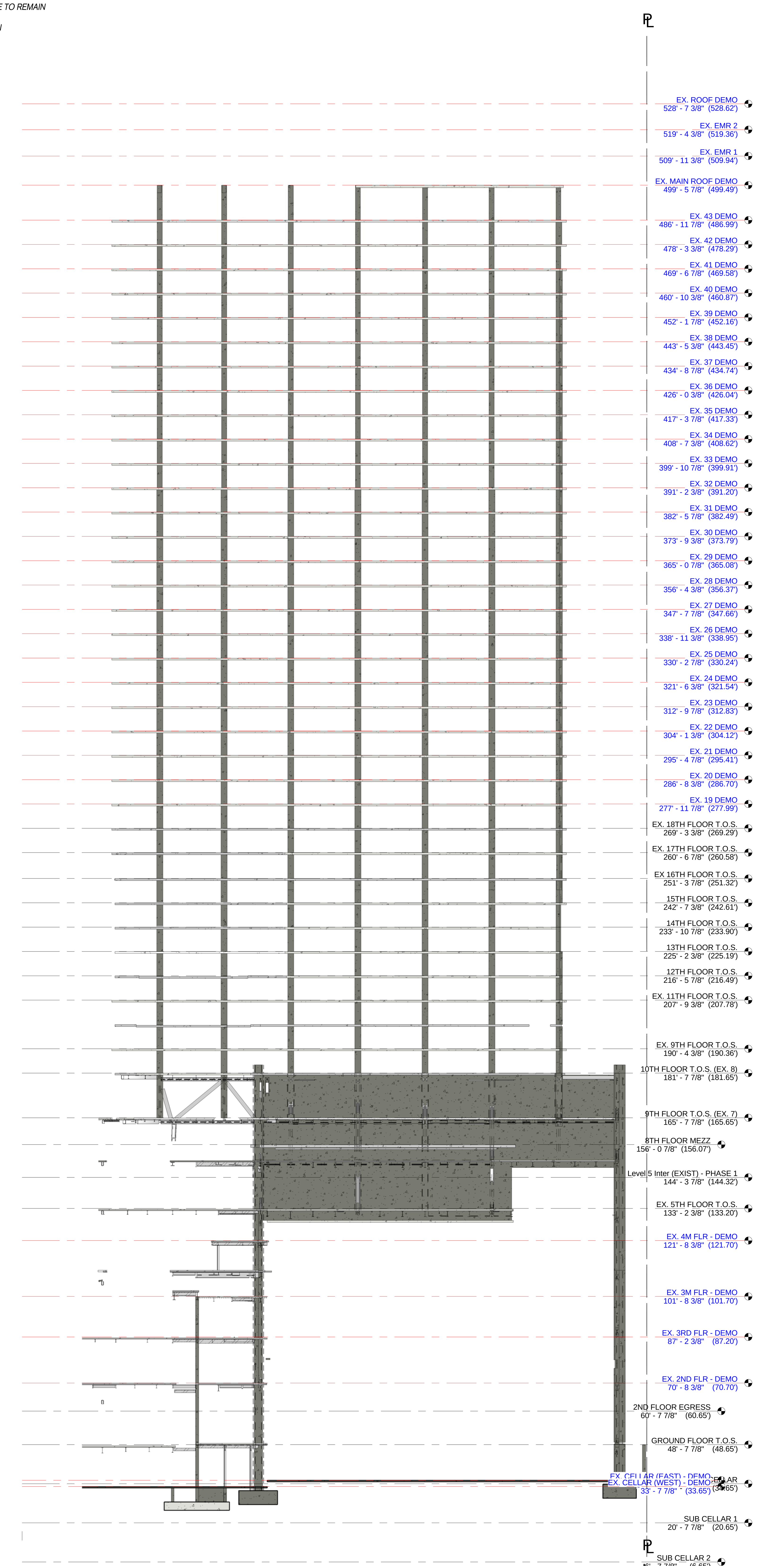
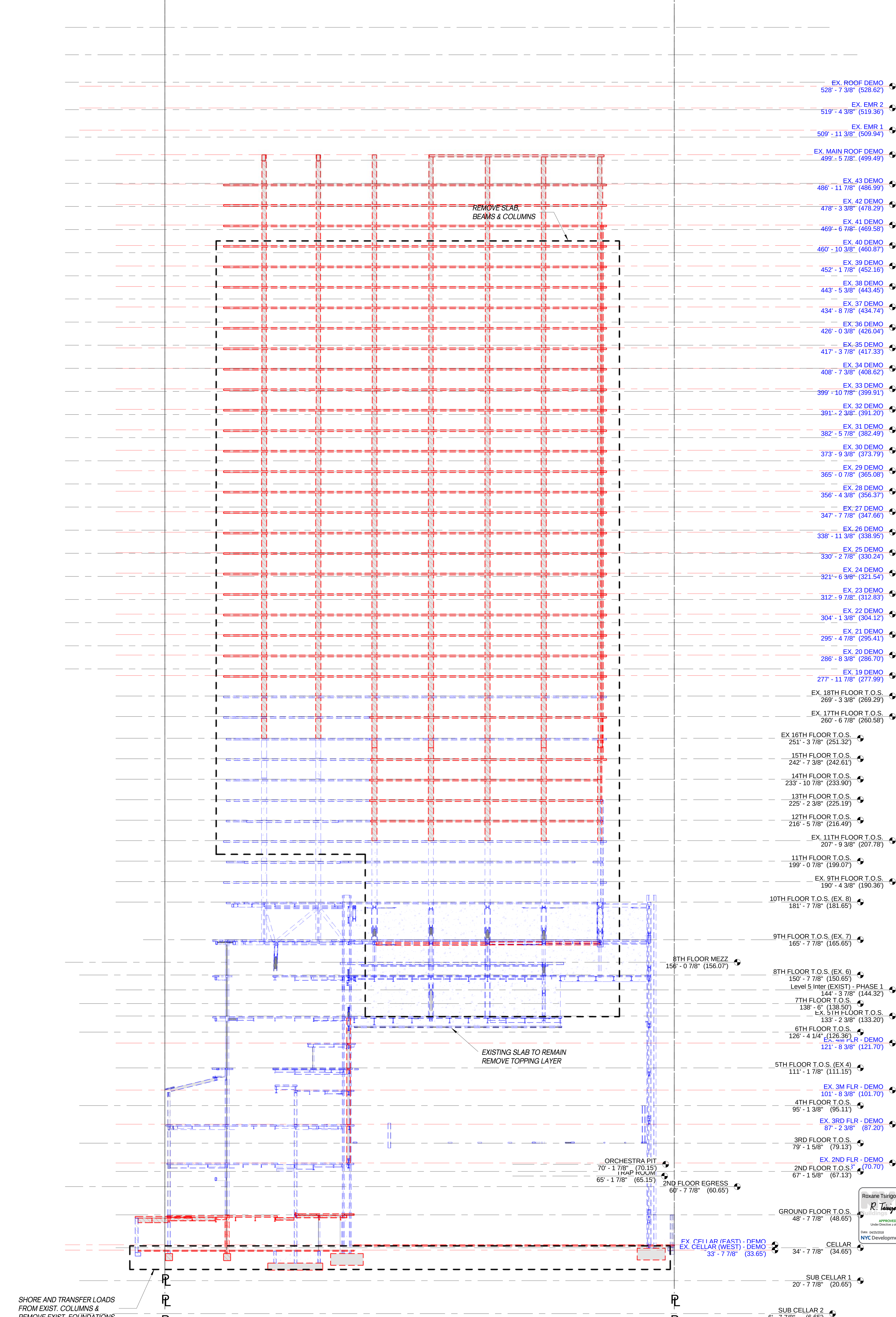
LEGEND:
- EXISTING STRUCTURE TO BE DEMOLISHED
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION



EXISTING CONDITIONS
3/64" = 1'-0"



INITIAL DEMO PHASE
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New York, NY 10001
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New York, NY 10001
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04.08.2016	4	100% SCHEMATIC DESIGN

Project:
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Sheet Title:
CONCEPTUAL DEMOLITION SCOPE - ELEVATION I (EXISTING)

Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: As indicated
Signature & Seal:

Sheet Number:
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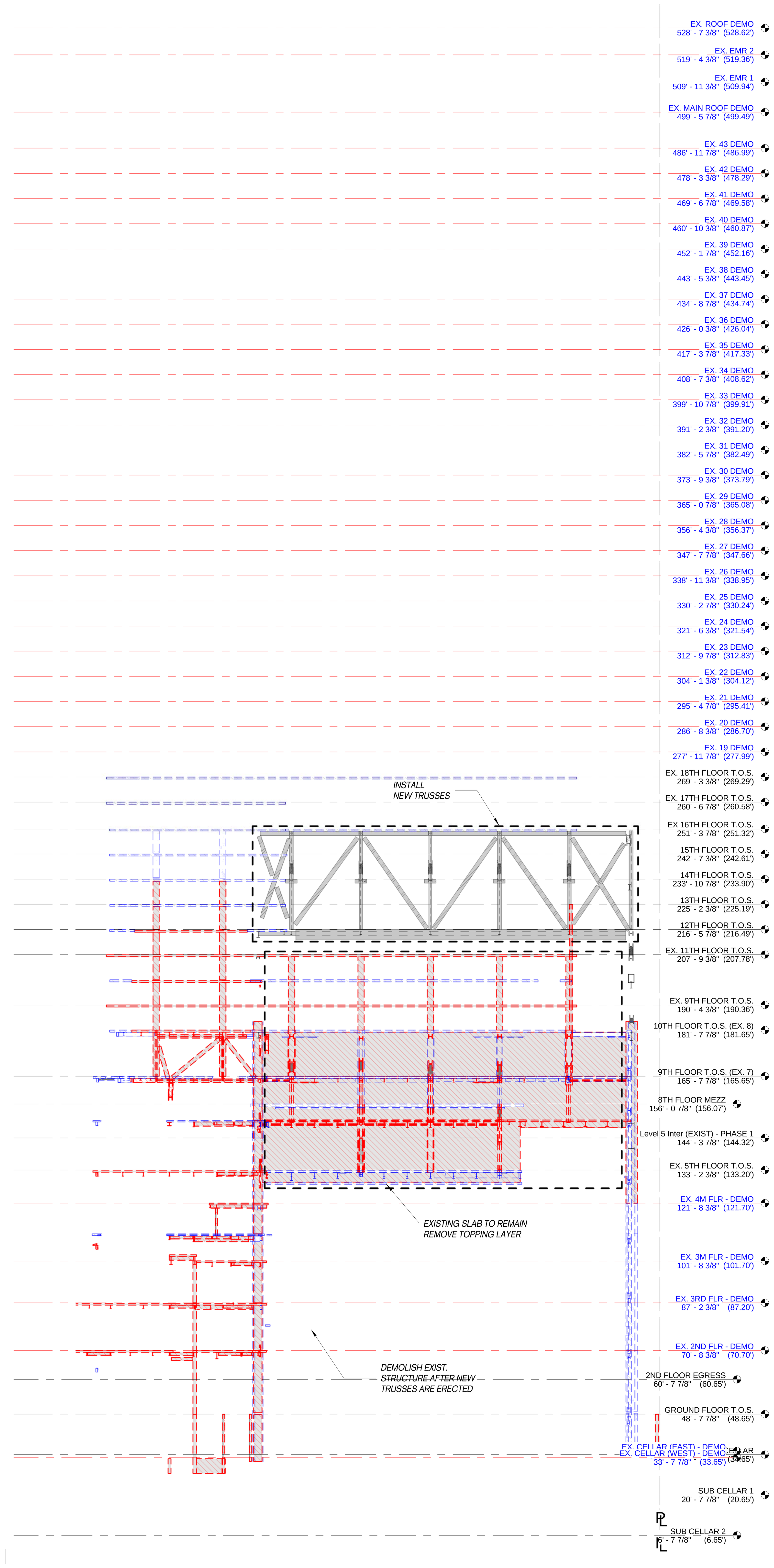

EARLY STEEL PHASE
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Project:
1568 Broadway

New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE - ELEVATION I (COMPLETE)

Project Number: 13649
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Signature & Seal:

Sheet Number:
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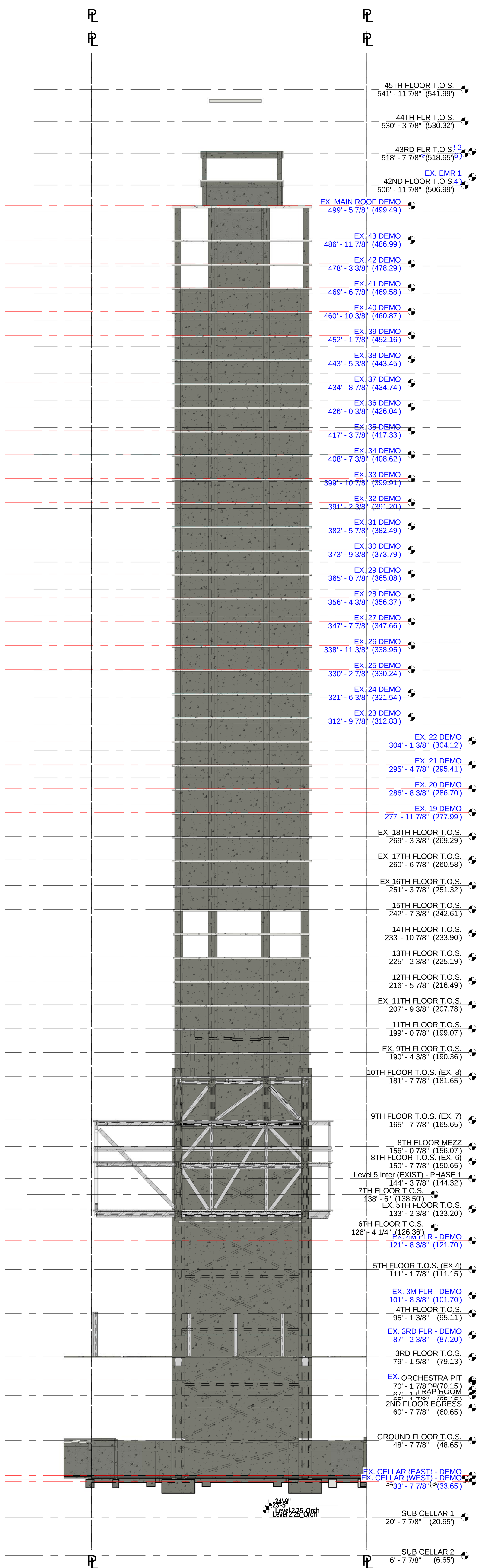

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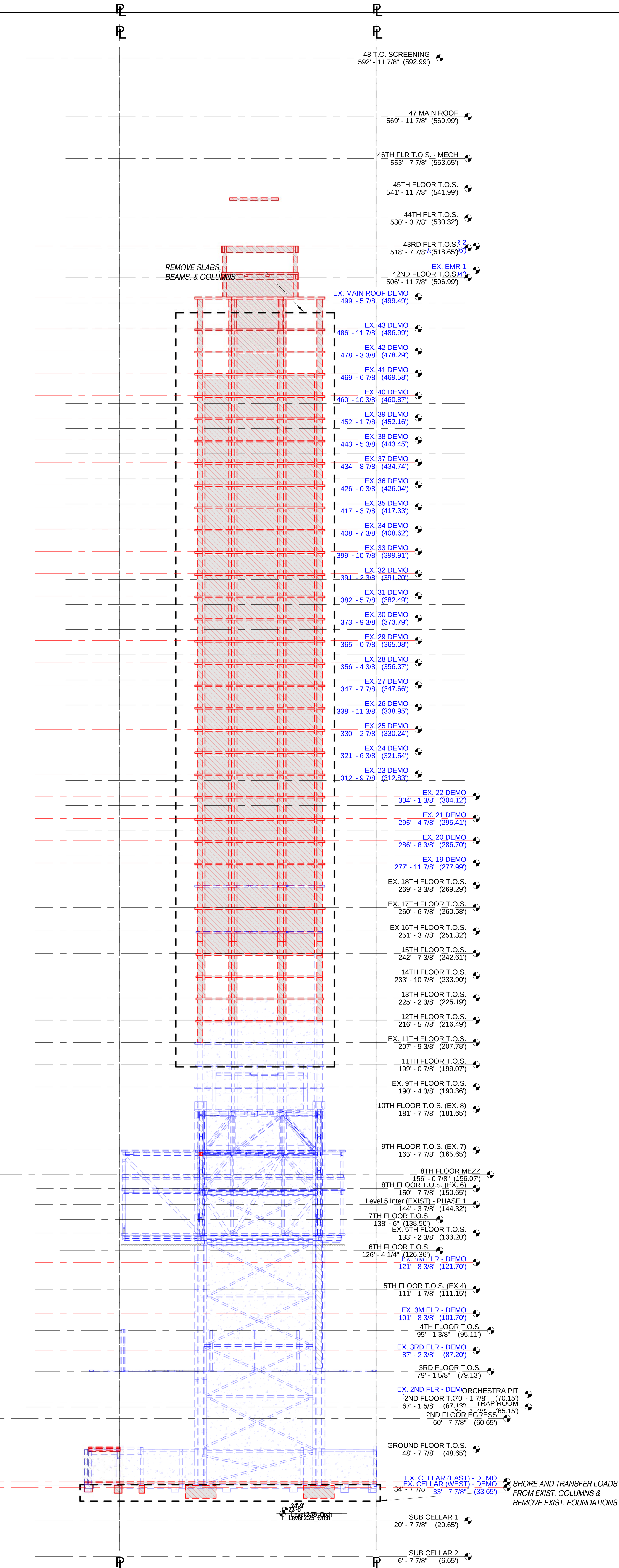

INITIAL DEMO PHASE
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1568 Broadway

New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE - ELEVATION II (EXISTING)

Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale: As indicated

Signature & Seal:
STATE OF NEW YORK · CAWSIE JIJINA · LICENSED PROFESSIONAL ENGINEER · 060340

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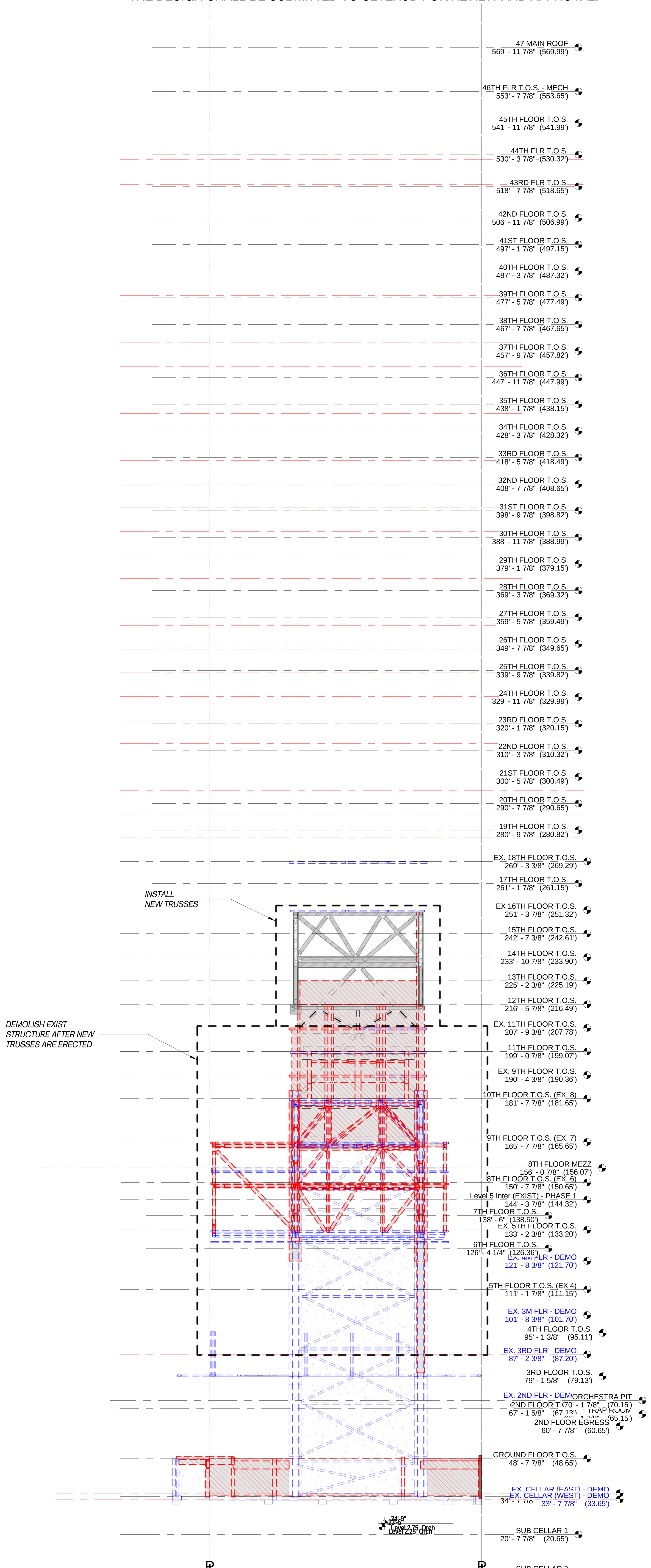

EARLY STEEL PHASE
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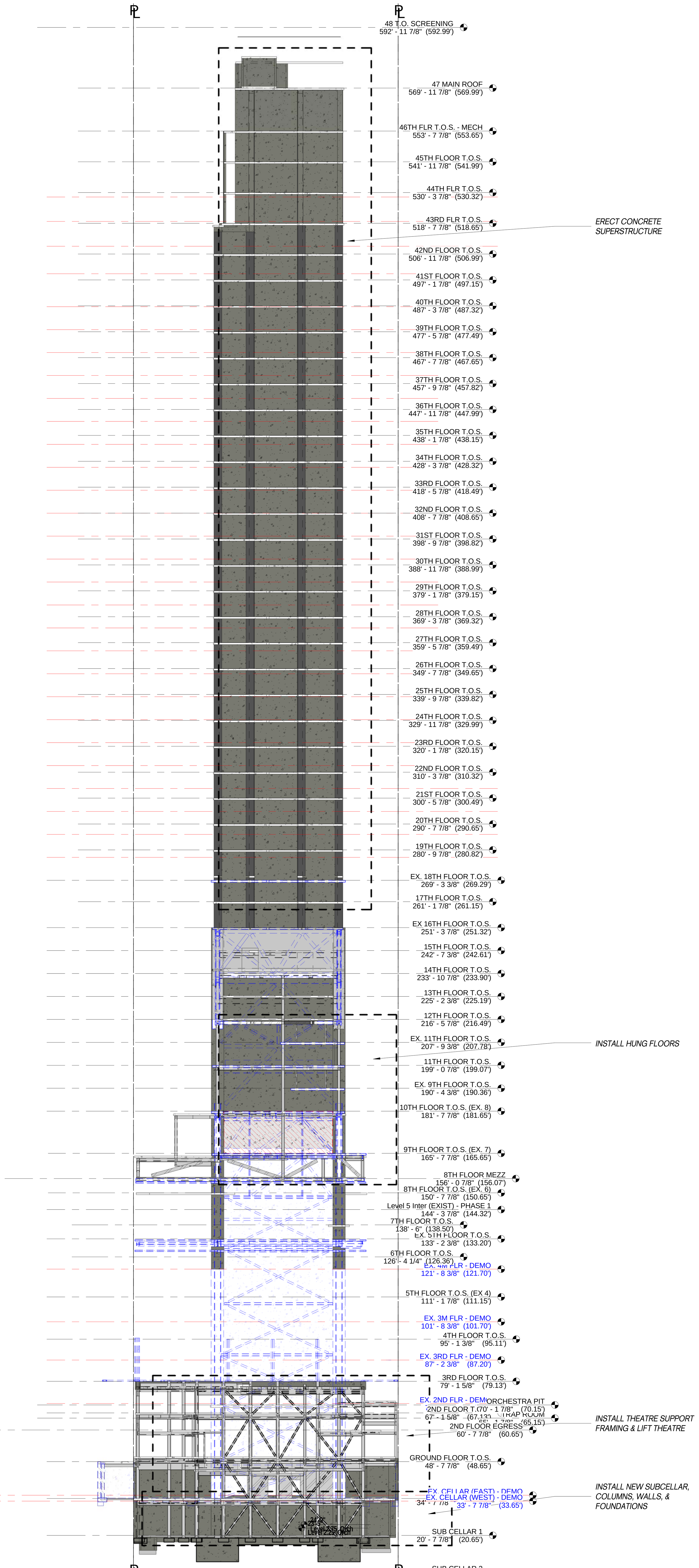

FINAL CONSTRUCTION
3/64" = 1'-0"

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Project:
1568 Broadway
New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE - ELEVATION II (COMPLETE)

Project Number: 13649
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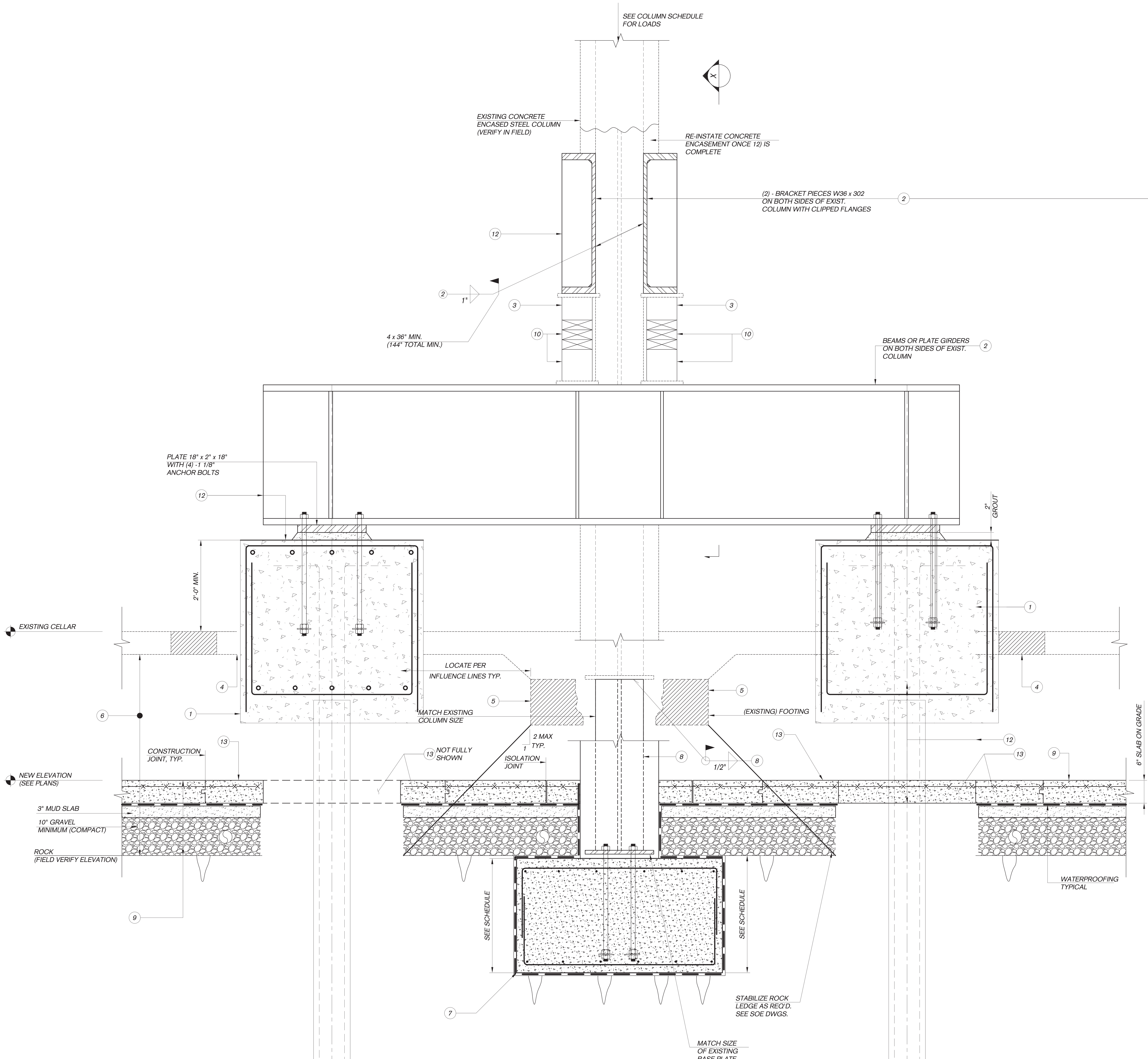

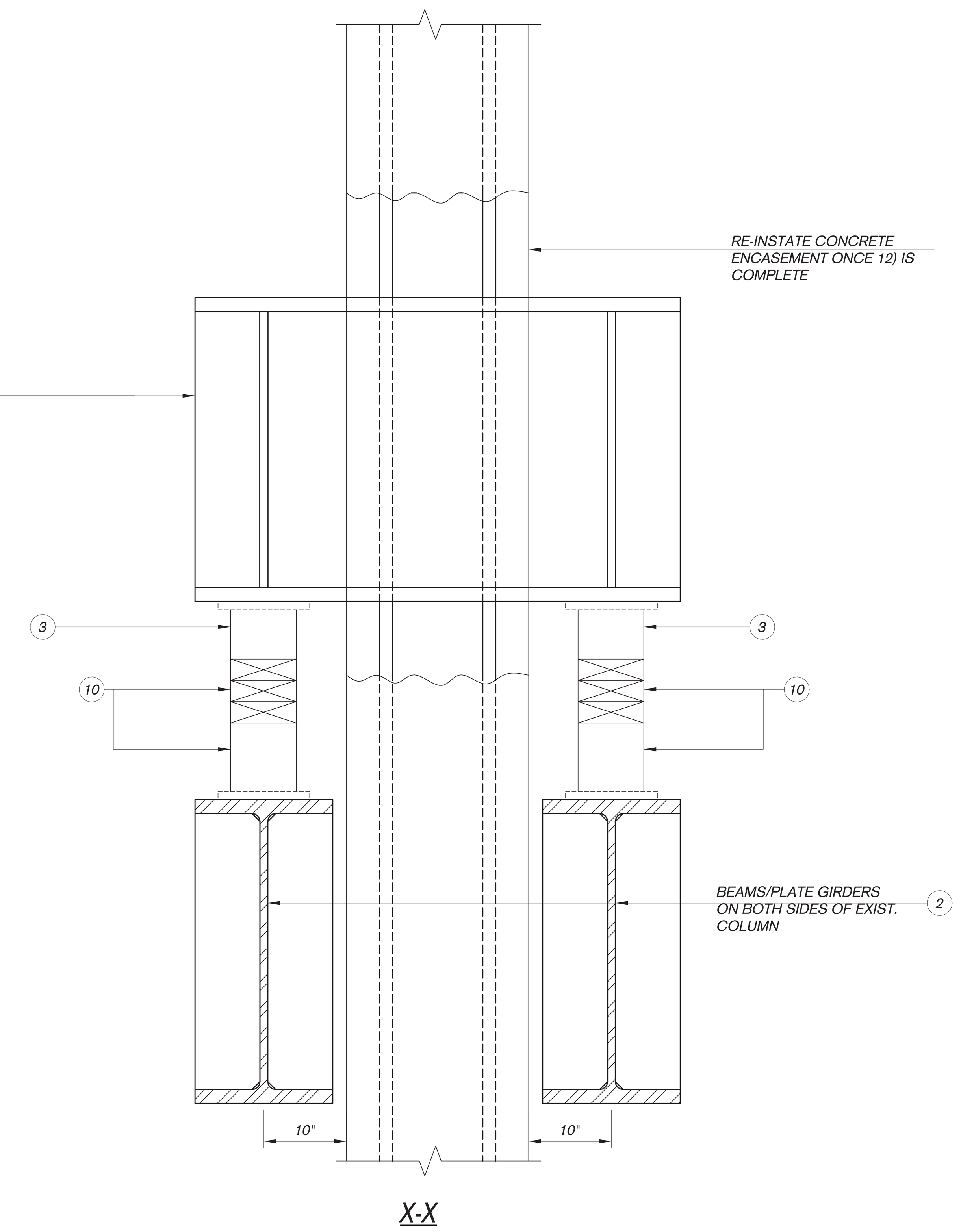

DETAIL FOR LOWERING EXISTING COLUMN FOOTING

1" = 1'-0"

NOTE:

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SUGGESTED SEQUENCE OF OPERATIONS:

1). INSTALL DRILLED CAISSONS.

2). INSTALL DOUBLE BEAMS, BRACKETS, PLATES, AND WELDS.

3). INSTALL JACKS FLUSH WITH TOP OF BEAMS & BOTTOM OF BRACKETS. PRE-JACK ALL OF THE EXISTING COLUMN LOAD INTO THE TEMPORARY DOUBLE BEAMS, BRACKETS, AND CAISSONS - USE STRAIN GAUGES TO DETERMINE WHEN EXISTING FOOTING AND COLUMN ARE DE-LOADED.

4). REMOVE EXISTING SLAB ON GROUND.

5.) REMOVE EXISTING COLUMN FOOTING - DO NOT DAMAGE EXISTING COLUMN BASE PLATE.

6). EXCAVATE TO NEW SLAB ELEVATION - SEE PLANS FOR TOP OF SLAB ELEVATION.

7). EXCAVATE DOWN TO ROCK FOR NEW FOOTING & INSTALL NEW FOOTING.

8). INSTALL NEW STEEL COLUMN EXTENSION WITH CONCRETE ENCASEMENT.

9). INSTALL NEW SLAB ON GROUND ASSEMBLY.

10). SLOWLY RELEASE THE JACKS.

11). INSTALL SLAB TO BRACE COLUMN.

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Project:
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New York, NY 10036

Sheet Title:
CONCEPTUAL JACKING

Project Number: 13649
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NYC DOB Number:
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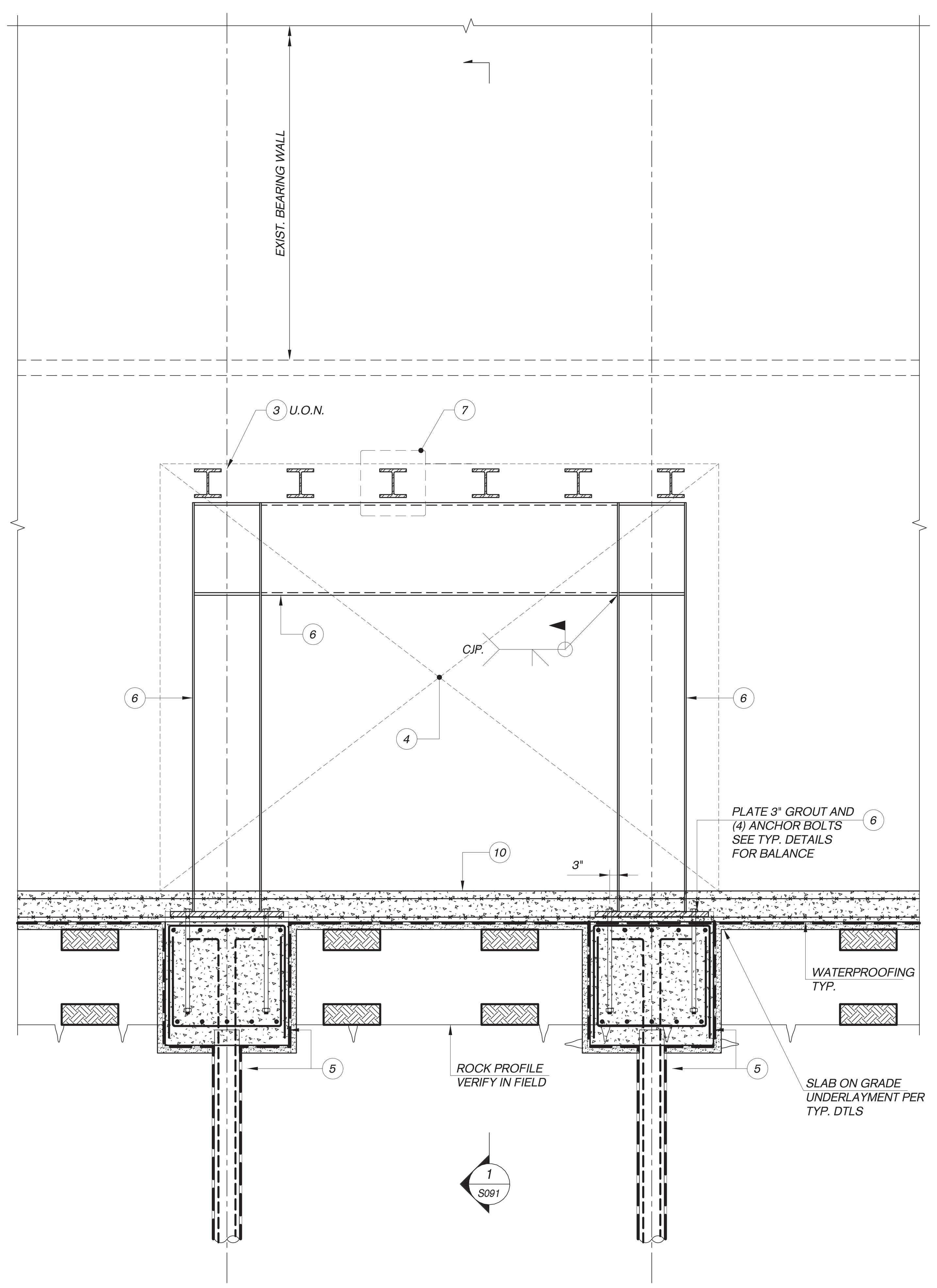

ELEVATION (B / S091)
3/8" = 1'-0"

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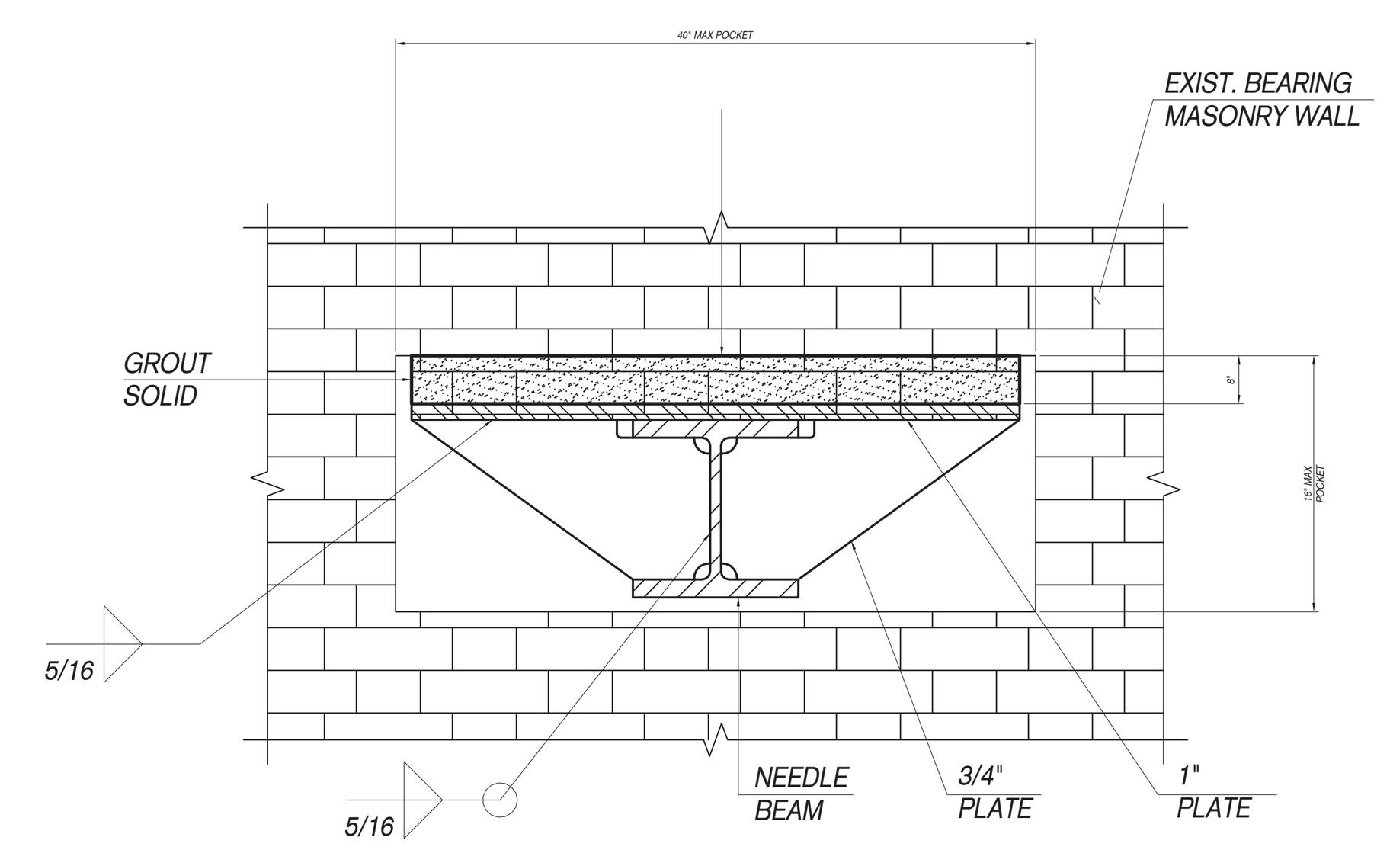

NEEDLE BEAM DETAIL
1" = 1'-0"

SUGGESTED SEQUENCE OF OPERATIONS:

1). INSTALL "CAISSONS, CAISSON CAPS AND STABILIZING WALLS.

2). INSTALL COLUMNS AND TEMPORARY W36 LINTEL BEAMS.

3). INSTALL NEEDLE BEAMS. NEEDLE BEAMS SHALL BE SPACED NO MORE THAN 36"o.c. SEE DETAIL.

4). REMOVE Pc OF EXISTING BEARING WALL AND THE CORRESPONDING WALL'S FOUNDATION IF REQUIRED.

5). INSTALL MIDDLE CAISSON AND CAP - COUPLE TO INSIDE CAISSON. COUPLE TO BARS OF INSIDE CAP TO MIDDLE CAP.

6). INSTALL MIDDLE COLUMNS AND BOLT-UP BOX BEAM. SUPPORT ALL NEEDLE BEAMS OFF MIDDLE BOX BEAM CONTINUOUSLY.

7). BOLSTER WALL TO PERMANENT BOX TUBE TO COMPLETE WITH RE-SUPPORT (SIMILAR TO NEEDLE).

8). REMOVE HIGH NEEDLE BEAMS AND FILL POCKETS SOUND WITH GROUT OR CONCRETE.

9). REMOVE ALL TEMPORARY STRUCTURE AND Pc OF W10 NEEDLE BEAMS.

10). CONSTRUCT REMAINDER OF GARAGE FLOOR SLABS, DRIVEWAY AND SIDEWALKS.

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14 Wall Street, 2nd Floor
New York City, New York 10005
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22 West 19th Street, Floor 6
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21 Penn Plaza
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New York, NY 10001
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Urban Foundation Engineering Foundation Engineer
3233 111th Street
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zeroLUX | Lighting Design
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212.209.1536

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12.09.2016	15	ISSUED FOR DOB FILING
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11.09.2016	13	ISSUED FOR TA FILING
11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
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09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
CONCEPTUAL WALL JACKING

Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: 3/8" = 1'-0"
Signature & Seal:
Sheet Number: S-091.00
NYC DOB Number:
Sheet: of

1ST FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. THIS DRAWING SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. FOR FLOOR FINISHES SEE ARCHITECTURAL DRAWINGS.
3. FLOOR DATUM EL. 0'-0" = SEE TABLE ON THIS DRAWING.
4. TOP OF CONCRETE SLAB IS AT DATUM ELEVATION UNLESS SHOWN THUS EL.±..... ON PLAN.
5. TOP OF STEEL IS 7 1/2" BELOW TOP OF CONCRETE FOR 7 1/2" NORMAL WEIGHT CONCRETE ON 3" METAL DECK OR 10" BELOW TOP OF CONCRETE FOR 7" NORMAL WEIGHT CONCRETE ON 3" METAL DECK, UNLESS NOTED THUS (EL. ±......) ON PLAN.
6. FLOOR CONSTRUCTION SHALL BE 4 1/2" OF NORMAL WEIGHT CONCRETE PLACED OVER A 3" - 18 GAGE GALVANIZED COMPOSITE METAL DECK AND REINFORCED WITH ONE LAYER OF 6" X 6" - W4.0 X W4.0 WELDED WIRE FABRIC PLACED 3/4" FROM THE TOP OF THE CONCRETE SLAB. OR FLOOR CONSTRUCTION SHALL BE 7" NORMAL WEIGHT CONCRETE PLACED OVER 3"-18 GAGE GALVANIZED COMPOSITE METAL DECK AND REINFORCED WITH ONE LAYER OF 6" X 6" - W8.0 X W8.0 WELDED WIRE FABRIC PLACED 3/4" FROM TOP OF CONCRETE SLAB. THE SPAN DIRECTION OF THE DECK IS SHOWN THUS ←---→ ON PLAN.
7. THE NUMBER OF 3/4" DIAMETER (4 1/2" LONG) SHEAR STUDS IS SHOWN THUS (__) ON PLAN. WHERE NO STUDS ARE SHOWN, STUDS SHALL BE EQUALLY SPACED AT 12" ON CENTER FOR THE ENTIRE SPAN.
8. FOR COLUMN SCHEDULE SEE DRAWINGS S-501 THRU S-503.
9. FOR BEAM SCHEDULE SEE S-511.
10. FOR TYPICAL DETAILS SEE DRAWINGS S-701 THRU S-714.
11. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.
12. DENOTES COLUMN BELOW ONLY.
13. DENOTES COLUMN ABOVE ONLY.
14. DENOTES BEAM OPENING. SEE DETAIL ON DRAWING S-501 FOR BEAM OPENING REINFORCEMENT.
15. VERIFY IN FIELD ALL EXISTING CONDITIONS. INFORM THE EOR OF ANY DEVIATIONS.
16. CONTRACTOR TO COORDINATE ALL SLAB PENETRATIONS TO AVOID CUTTING/CORING OF EXISTING BEAMS.
17. C8 DENOTES C8 x 11.5
18. L4 DENOTES L4 x 4 x 5/16"
19. W8 DENOTES W8 x 15
20. DENOTES STEEL BEAM
21. DENOTES EXISTING STEEL BEAM
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25. DENOTES APPROXIMATE EXTENT OF CONCRETE TOPPING SLAB OVER EXISTING TO REMAIN SLAB
26. DENOTES EXISTING SLAB TO REMAIN
27. DENOTES CONCRETE SLAB CONSTRUCTION
28. DENOTES EXISTING WALL TO REMAIN
29. DENOTES CONCRETE WALL CONSTRUCTION

S-101 LEVEL SCHEDULE	
FLOOR	NAVD 88
GROUND	EL. 48'-7 7/8"

Roxane Tsirigotis, RA
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

PBDW ARCHITECTS
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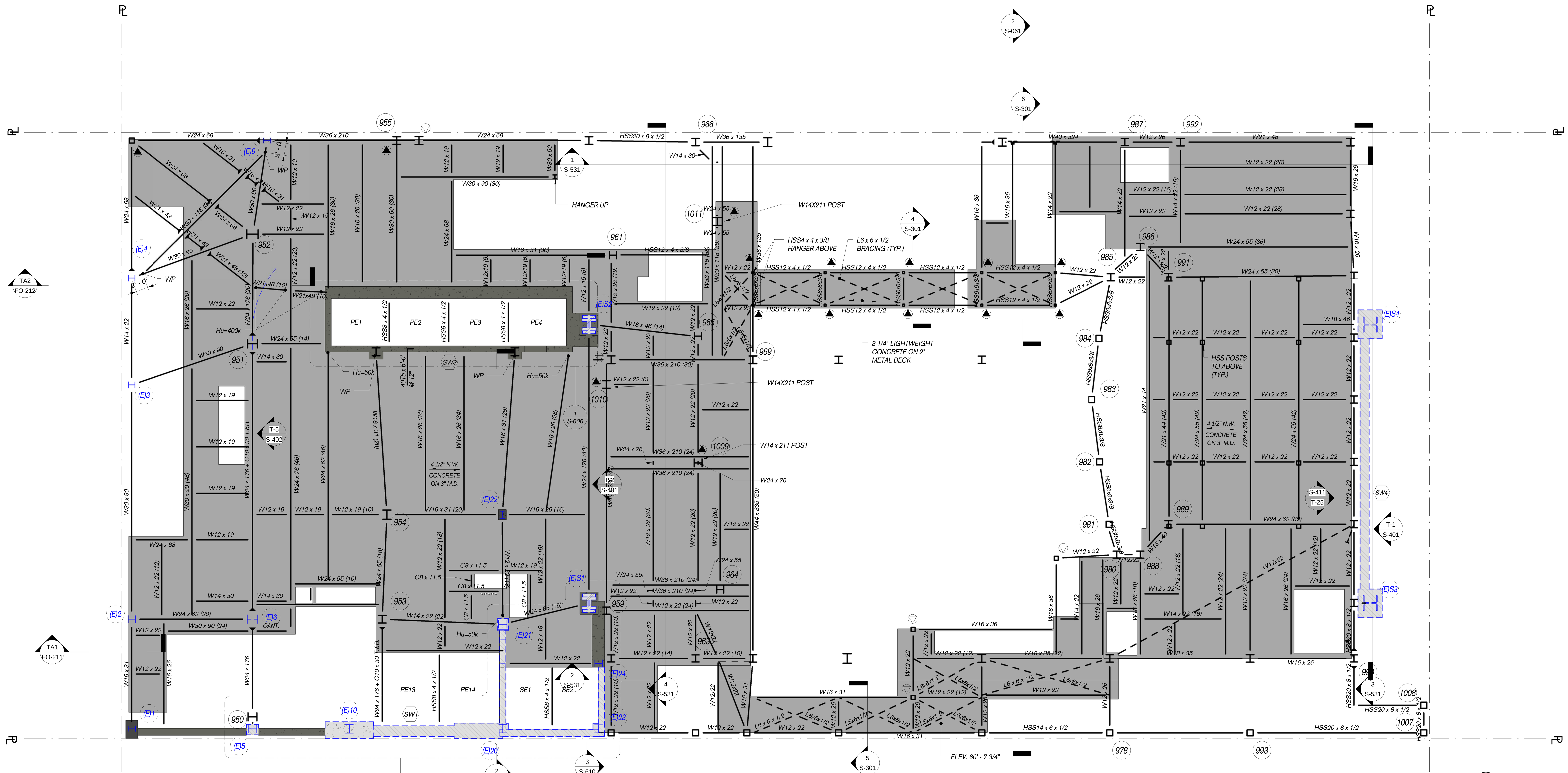
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway
New York, NY 10036

Sheet Title:
1ST FLOOR PLAN (EL 48'-7 7/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated
Signature & Seal: STATE OF NEW YORK · CAWSIE JIJINA · 060340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number: **S-101.00**



2ND FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. THIS DRAWING SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. FOR FLOOR FINISHES SEE ARCHITECTURAL DRAWINGS.
3. FLOOR DATUM EL. 18'-5 3/4" = SEE TABLE ON THIS DRAWING.
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5. TOP OF STEEL IS 7 1/2" BELOW TOP OF CONCRETE UNLESS NOTED THUS (EL. ±......) ON PLAN.
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26. DENOTES EXISTING SLAB TO REMAIN
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28. DENOTES EXISTING WALL TO REMAIN
29. DENOTES CONCRETE WALL CONSTRUCTION

S-102 LEVEL SCHEDULE

FLOOR	NAVD 88
2ND	EL. 67'-1 5/8"

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

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New York, NY 10018
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New York, NY 10121
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14 Wall Street, 2nd Floor
New York City, New York 10005
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07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

New York, NY 10036

Sheet Title:

2ND FLOOR PLAN (EL 67'-1 5/8")

Project Number: 13649

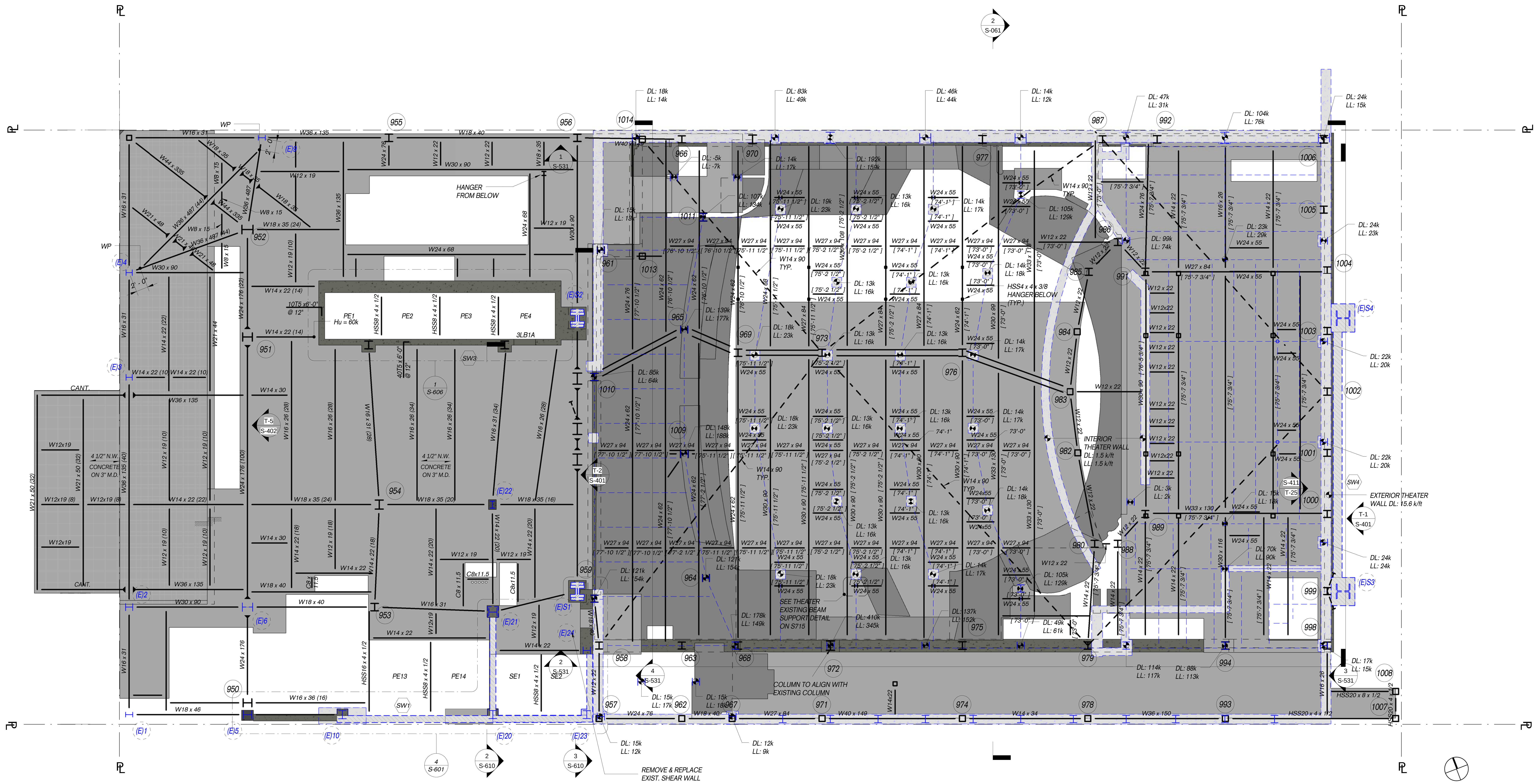
Drawn By: SNH/JBA

Checked By: CJ

Scale: As indicated

Signature & Seal:

Sheet Number: **S-102.00**



3RD FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. THIS DRAWING SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. FOR FLOOR FINISHES SEE ARCHITECTURAL DRAWINGS.
3. FLOOR DATUM EL. 30'-5 3/4" = SEE TABLE ON THIS DRAWING.
4. TOP OF CONCRETE SLAB IS AT DATUM ELEVATION UNLESS SHOWN THUS EL.±..... ON PLAN.
5. TOP OF STEEL IS 7 1/2" BELOW TOP OF CONCRETE UNLESS NOTED THUS (EL. ±......) ON PLAN.
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27. DENOTES CONCRETE SLAB CONSTRUCTION
28. DENOTES EXISTING WALL TO REMAIN
29. DENOTES CONCRETE WALL CONSTRUCTION

S-103 LEVEL SCHEDULE	
FLOOR	NAVD 88
3RD	EL. 79'-1 5/8"

PBDW ARCHITECTS
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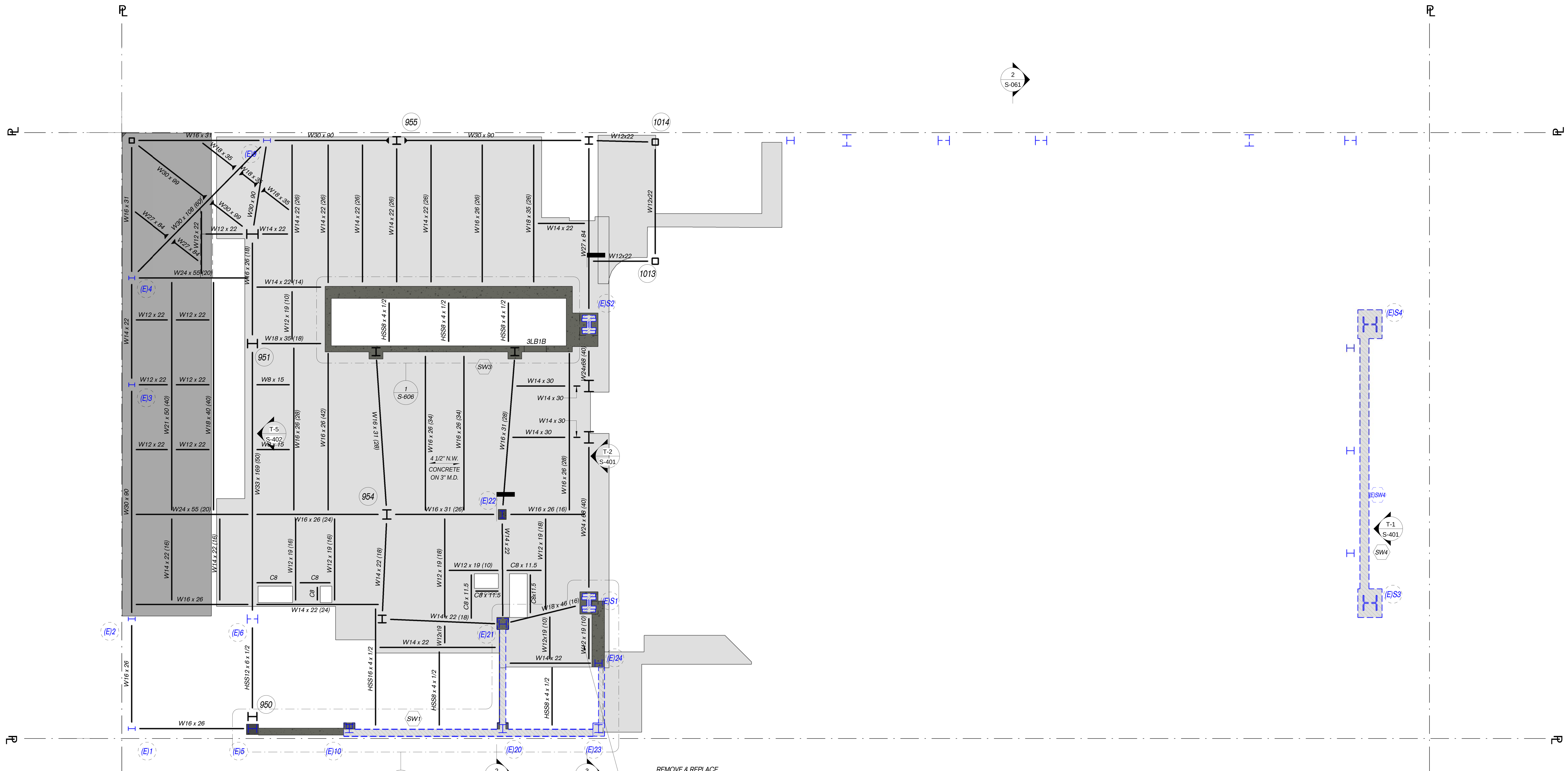
Project:
1568 Broadway
New York, NY 10036

Sheet Title:
3RD FLOOR PLAN (EL 79'-1 5/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated
Signature & Seal: STATE OF NEW YORK · KAWSIE JIJINA · 060340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number: **S-103.00**



4TH FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. THIS DRAWING SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. FOR FLOOR FINISHES SEE ARCHITECTURAL DRAWINGS.
3. FLOOR DATUM EL. 46'5 1/2" = SEE TABLE ON THIS DRAWING.
4. TOP OF CONCRETE SLAB IS AT DATUM ELEVATION UNLESS SHOWN THUS EL.±..... ON PLAN.
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S-104 LEVEL SCHEDULE

FLOOR	NAVD 88
4TH	EL. 95'-1 3/8"

Roxane Tsirigotis, RA
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

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203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
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212.209.1536

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11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway
New York, NY 10036

Sheet Title:
4TH FLOOR PLAN (EL 95'-1 3/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated

Signature & Seal:
STATE OF NEW YORK
CAWSIE JIJINA
060340
LICENSED PROFESSIONAL ENGINEER

Sheet Number: **S-104.00**

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
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New York, NY 10121
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203 299 0830 | theatreprojects.com

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New York, NY 10011
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Norwalk, CT 06854
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New York, NY 10001
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Urban Foundation Engineering | Foundation Engineer
3233 111th Street
Flushing, NY 11369
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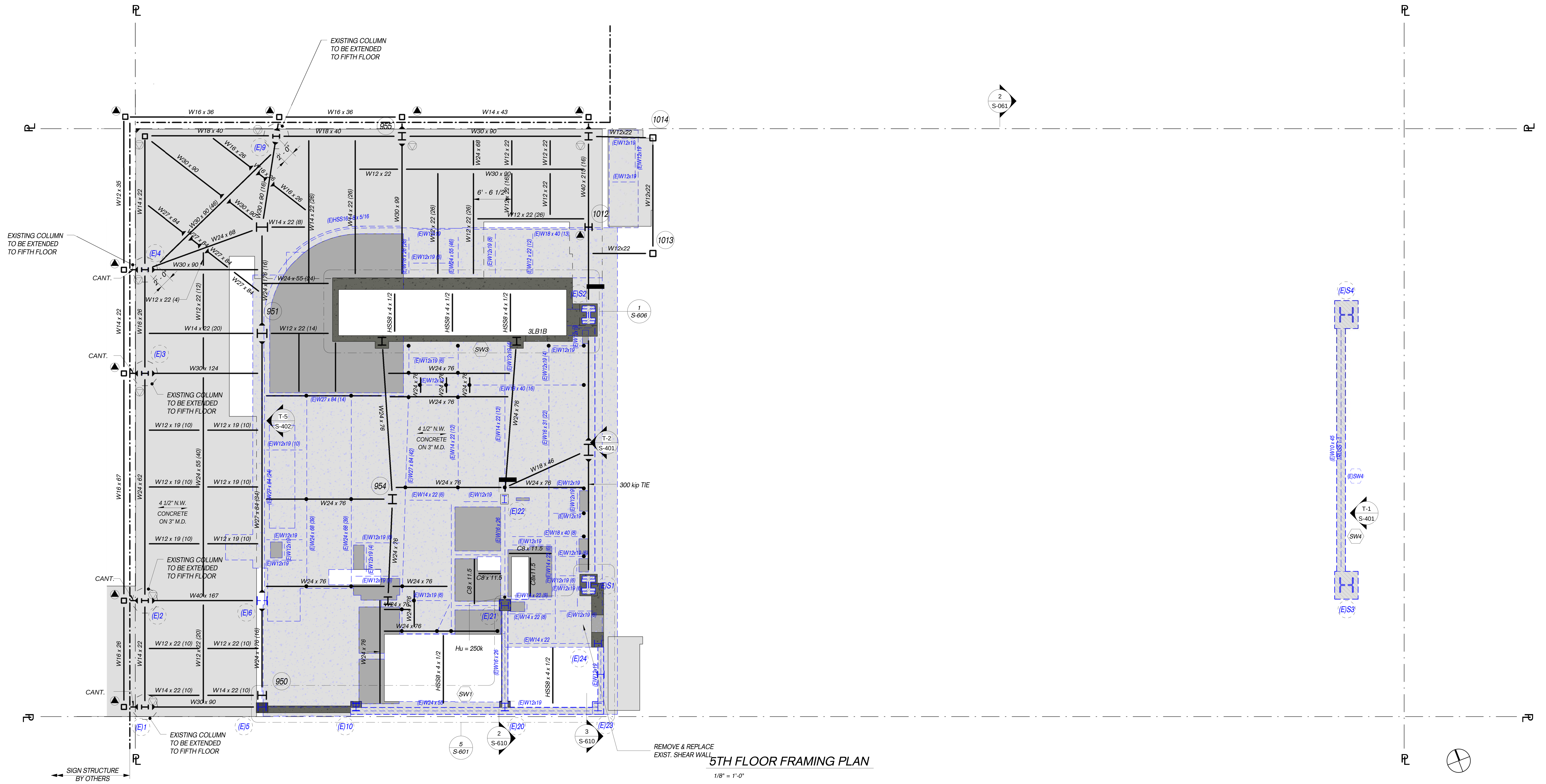
zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536



5TH FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. THIS DRAWING SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. FOR FLOOR FINISHES SEE ARCHITECTURAL DRAWINGS.
3. FLOOR DATUM EL. 62'-6" = SEE TABLE ON THIS DRAWING.
4. TOP OF CONCRETE SLAB IS AT DATUM ELEVATION UNLESS SHOWN THUS EL.±..... ON PLAN.
5. TOP OF STEEL IS 7 1/2" BELOW TOP OF CONCRETE FOR 4 1/2" NORMAL WEIGHT CONCRETE ON 3" METAL DECK AND 6 1/4" BELOW TOP OF CONCRETE FOR 3 1/4" LIGHTWEIGHT CONCRETE ON 3" METAL DECK UNLESS NOTED THUS (EL. ±......) ON PLAN.
6. FLOOR CONSTRUCTION SHALL BE 4 1/2" OF NORMAL WEIGHT CONCRETE PLACED OVER A 3" - 18 GAGE GALVANIZED COMPOSITE METAL DECK AND REINFORCED WITH ONE LAYER OF 6" X 6" - W4.0 X W4.0 WELDED WIRE FABRIC PLACED 3/4" FROM THE TOP OF THE CONCRETE SLAB. OR EXISTING 3 1/4" OF LIGHTWEIGHT CONCRETE PLACED OVER A 3"-20 GAGA GALVANIZED COMPOSITE METAL DECK AND REINFORCED WITH 6" X 6" - W2.0 X W2.0 AS PER EXISTING DRAWINGS. THE SPAN DIRECTION OF THE DECK IS SHOWN THUS ←---→ ON PLAN.
7. THE NUMBER OF 3/4" DIAMETER (4 1/2" LONG) SHEAR STUDS IS SHOWN THUS (__) ON PLAN. WHERE NO STUDS ARE SHOWN, STUDS SHALL BE EQUALLY SPACED AT 12" ON CENTER FOR THE ENTIRE SPAN.
8. FOR COLUMN SCHEDULE SEE DRAWINGS S-501 THRU S-503.
9. FOR BEAM SCHEDULE SEE S-511.
10. FOR TYPICAL DETAILS SEE DRAWINGS S-701 THRU S-714.
11. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.
12. ▽ DENOTES COLUMN BELOW ONLY.
13. ▲ DENOTES COLUMN ABOVE ONLY.
14. ⊗ DENOTES BEAM OPENING. SEE DETAIL ON DRAWING S-501 FOR BEAM OPENING REINFORCEMENT.
15. VERIFY IN FIELD ALL EXISTING CONDITIONS. INFORM THE EOR OF ANY DEVIATIONS.
16. CONTRACTOR TO COORDINATE ALL SLAB PENETRATIONS TO AVOID CUTTING/CORING OF EXISTING BEAMS.
17. C8 DENOTES C8 x 11.5
18. L4 DENOTES L4 x 4 x 5/16"
19. W8 DENOTES W8 x 15
20. DENOTES STEEL BEAM
21. DENOTES EXISTING STEEL BEAM
22. DENOTES SHORE, CUT AND RECONNECT EXISTING BEAM TO NEW WORK
23. DENOTES MOMENT CONNECTION. PROVIDE FULL CAPACITY MOMENT CONNECTION WHERE NO MOMENT IS SHOWN.
24. DENOTES APPROXIMATE AREA OF CONCRETE INFILL/PATCH
25. DENOTES APPROXIMATE EXTENT OF CONCRETE TOPPING SLAB OVER EXSITING TO REMAIN SLAB
26. DENOTES EXISTING SLAB TO REMAIN
27. DENOTES CONCRETE SLAB CONSTRUCTION
28. DENOTES EXISTING WALL TO REMAIN
29. DENOTES CONCRETE WALL CONSTRUCTION

S-105 LEVEL SCHEDULE	
FLOOR	NAVD 88
5TH	EL. 111'-1 7/8"

Roxane Tsirigotis, RA
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

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11.04.2016	12	ISSUED FOR DOB FILING
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09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
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04.08.2016	4	100% SCHEMATIC DESIGN

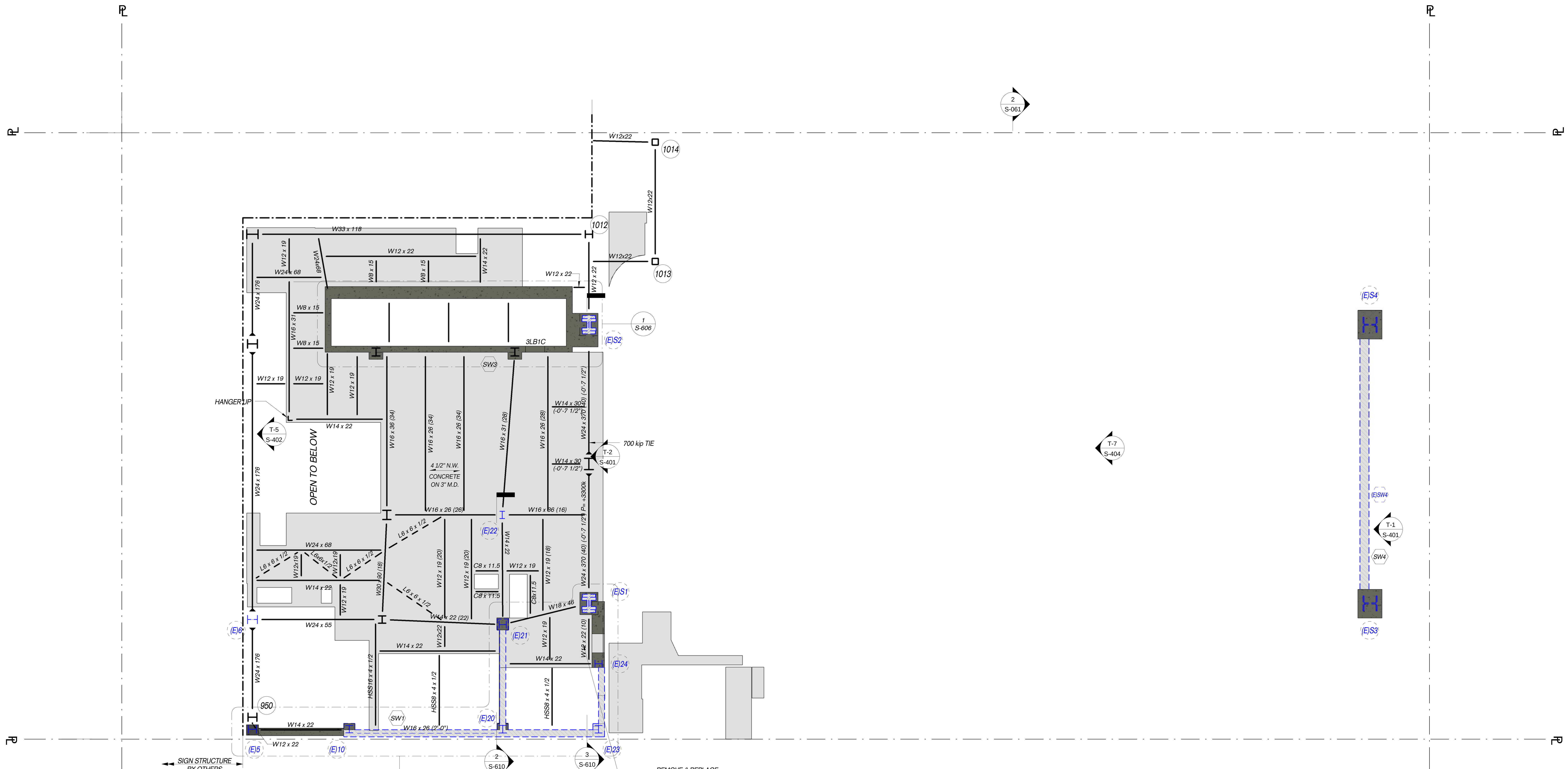
Project:
1568 Broadway
New York, NY 10036

Sheet Title:
5TH FLOOR PLAN (EL 111'-1 7/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated

Signature & Seal:
STATE OF NEW YORK — CAWSIE JIJINA — LICENSED PROFESSIONAL ENGINEER — 060340

Sheet Number: S-105.00



6TH FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. THIS DRAWING SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. FOR FLOOR FINISHES SEE ARCHITECTURAL DRAWINGS.
3. FLOOR DATUM EL. 77'-8 1/2" = SEE TABLE ON THIS DRAWING.
4. TOP OF CONCRETE SLAB IS AT DATUM ELEVATION UNLESS SHOWN THUS EL.±..... ON PLAN.
5. TOP OF STEEL IS 7 1/2" BELOW TOP OF CONCRETE UNLESS NOTED THUS (EL. ±......) ON PLAN.
6. FLOOR CONSTRUCTION SHALL BE 4 1/2" OF NORMAL WEIGHT CONCRETE PLACED OVER A 3" - 18 GAGE GALVANIZED COMPOSITE METAL DECK AND REINFORCED WITH ONE LAYER OF 6" X 6" - W4.0 X W4.0 WELDED WIRE FABRIC PLACED 3/4" FROM THE TOP OF THE CONCRETE SLAB. THE SPAN DIRECTION OF THE DECK IS SHOWN THUS ←---→ ON PLAN.
7. THE NUMBER OF 3/4" DIAMETER (4 1/2" LONG) SHEAR STUDS IS SHOWN THUS (__) ON PLAN. WHERE NO STUDS ARE SHOWN, STUDS SHALL BE EQUALLY SPACED AT 12" ON CENTER FOR THE ENTIRE SPAN.
8. FOR COLUMN SCHEDULE SEE DRAWINGS S-501 THRU S-503.
9. FOR BEAM SCHEDULE SEE S-511.
10. FOR TYPICAL DETAILS SEE DRAWINGS S-701 THRU S-714.
11. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.
12. ⓥ DENOTES COLUMN BELOW ONLY.
13. ▲ DENOTES COLUMN ABOVE ONLY.
14. ⊗ DENOTES BEAM OPENING. SEE DETAIL ON DRAWING S-501 FOR BEAM OPENING REINFORCEMENT.
15. VERIFY IN FIELD ALL EXISTING CONDITIONS. INFORM THE EOR OF ANY DEVIATIONS.
16. CONTRACTOR TO COORDINATE ALL SLAB PENETRATIONS TO AVOID CUTTING/CORING OF EXISTING BEAMS.
17. C8 DENOTES C8 x 11.5
18. L4 DENOTES L4 x 4 x 5/16"
19. W8 DENOTES W8 x 15
20. DENOTES STEEL BEAM
21. DENOTES EXISTING STEEL BEAM
22. DENOTES SHORE, CUT AND RECONNECT EXISTING BEAM TO NEW WORK
23. DENOTES MOMENT CONNECTION. PROVIDE FULL CAPACITY MOMENT CONNECTION WHERE NO MOMENT IS SHOWN.
24. DENOTES APPROXIMATE AREA OF CONCRETE INFILL/PATCH
25. DENOTES APPROXIMATE EXTENT OF CONCRETE TOPPING SLAB OVER EXSITING TO REMAIN SLAB
26. DENOTES EXISTING SLAB TO REMAIN
27. DENOTES CONCRETE SLAB CONSTRUCTION
28. DENOTES EXISTING WALL TO REMAIN
29. DENOTES CONCRETE WALL CONSTRUCTION

Roxane Tsirigotis, RA
Buildings
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

S-106 LEVEL SCHEDULE	
FLOOR	NAVD 88
6TH	EL. 126'-1 1/4"

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
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Iros Elevator, LLC | Elevator Consultant
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Norwalk, CT 06854
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TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

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40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
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07.15.2016	7	50% DESIGN DEVELOPMENT
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Project:
1568 Broadway
New York, NY 10036

Sheet Title:
6TH FLOOR PLAN (EL 126'-4 1/4")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated

Signature & Seal:
STATE OF NEW YORK
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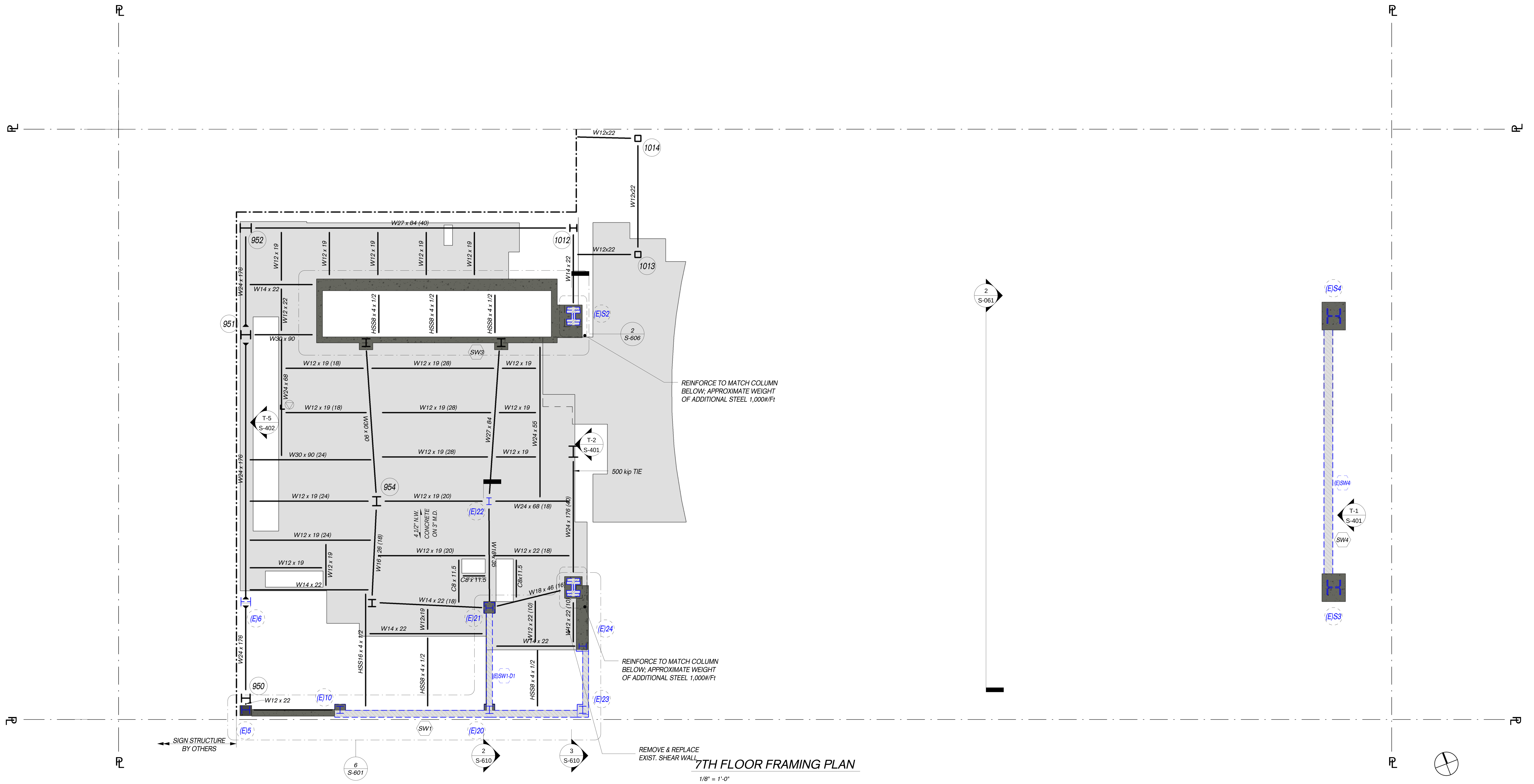
060340
LICENSED PROFESSIONAL ENGINEER

Sheet Number: S-106.00



7TH FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. THIS DRAWING SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.

2. FOR FLOOR FINISHES SEE ARCHITECTURAL DRAWINGS.

3. FLOOR DATUM EL. 89'-10 1/4" = SEE TABLE ON THIS DRAWING.

4. TOP OF CONCRETE SLAB IS AT DATUM ELEVATION UNLESS SHOWN THUS EL.±..... ON PLAN.

5. TOP OF STEEL IS 7 1/2" BELOW TOP OF CONCRETE UNLESS NOTED THUS (EL. ±......) ON PLAN.

6. FLOOR CONSTRUCTION SHALL BE 4 1/2" OF NORMAL WEIGHT CONCRETE PLACED OVER A 3" - 18 GAGE GALVANIZED COMPOSITE METAL DECK AND REINFORCED WITH ONE LAYER OF 6" X 6" - W4.0 X W4.0 WELDED WIRE FABRIC PLACED 3/4" FROM THE TOP OF THE CONCRETE SLAB. THE SPAN DIRECTION OF THE DECK IS SHOWN THUS ←---→ ON PLAN.

7. THE NUMBER OF 3/4" DIAMETER (4 1/2" LONG) SHEAR STUDS IS SHOWN THUS (__) ON PLAN. WHERE NO STUDS ARE SHOWN, STUDS SHALL BE EQUALLY SPACED AT 12" ON CENTER FOR THE ENTIRE SPAN.

8. FOR COLUMN SCHEDULE SEE DRAWINGS S-501 THRU S-503.

9. FOR BEAM SCHEDULE SEE S-511.

10. FOR TYPICAL DETAILS SEE DRAWINGS S-701 THRU S-714.

11. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.

12. DENOTES COLUMN BELOW ONLY.

13. DENOTES COLUMN ABOVE ONLY.

14. DENOTES BEAM OPENING. SEE DETAIL ON DRAWING S-501 FOR BEAM OPENING REINFORCEMENT.

15. VERIFY IN FIELD ALL EXISTING CONDITIONS. INFORM THE EOR OF ANY DEVIATIONS.

16. CONTRACTOR TO COORDINATE ALL SLAB PENETRATIONS TO AVOID CUTTING/CORING OF EXISTING BEAMS.

17. C8 DENOTES C8 x 11.5

18. L4 DENOTES L4 x 4 x 5/16"

19. W8 DENOTES W8 x 15

20. DENOTES STEEL BEAM

21. DENOTES EXISTING STEEL BEAM

22. DENOTES SHORE, CUT AND RECONNECT EXISTING BEAM TO NEW WORK

23. DENOTES MOMENT CONNECTION. PROVIDE FULL CAPACITY MOMENT CONNECTION WHERE NO MOMENT IS SHOWN.

24. DENOTES APPROXIMATE AREA OF CONCRETE INFILL/PATCH

25. DENOTES APPROXIMATE EXTENT OF CONCRETE TOPPING SLAB OVER EXSITING TO REMAIN SLAB

26. DENOTES EXISTING SLAB TO REMAIN

27. DENOTES CONCRETE SLAB CONSTRUCTION

28. DENOTES EXISTING WALL TO REMAIN

29. DENOTES CONCRETE WALL CONSTRUCTION

S-107 LEVEL SCHEDULE

FLOOR	NAVD 88
7TH	EL. 138'-6"

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
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06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

New York, NY 10036

Sheet Title:

7TH FLOOR PLAN (EL. 138'-6")

Project Number: 13649

Drawn By: SNH/JBA

Checked By: CJ

Scale: As indicated

Signature & Seal:

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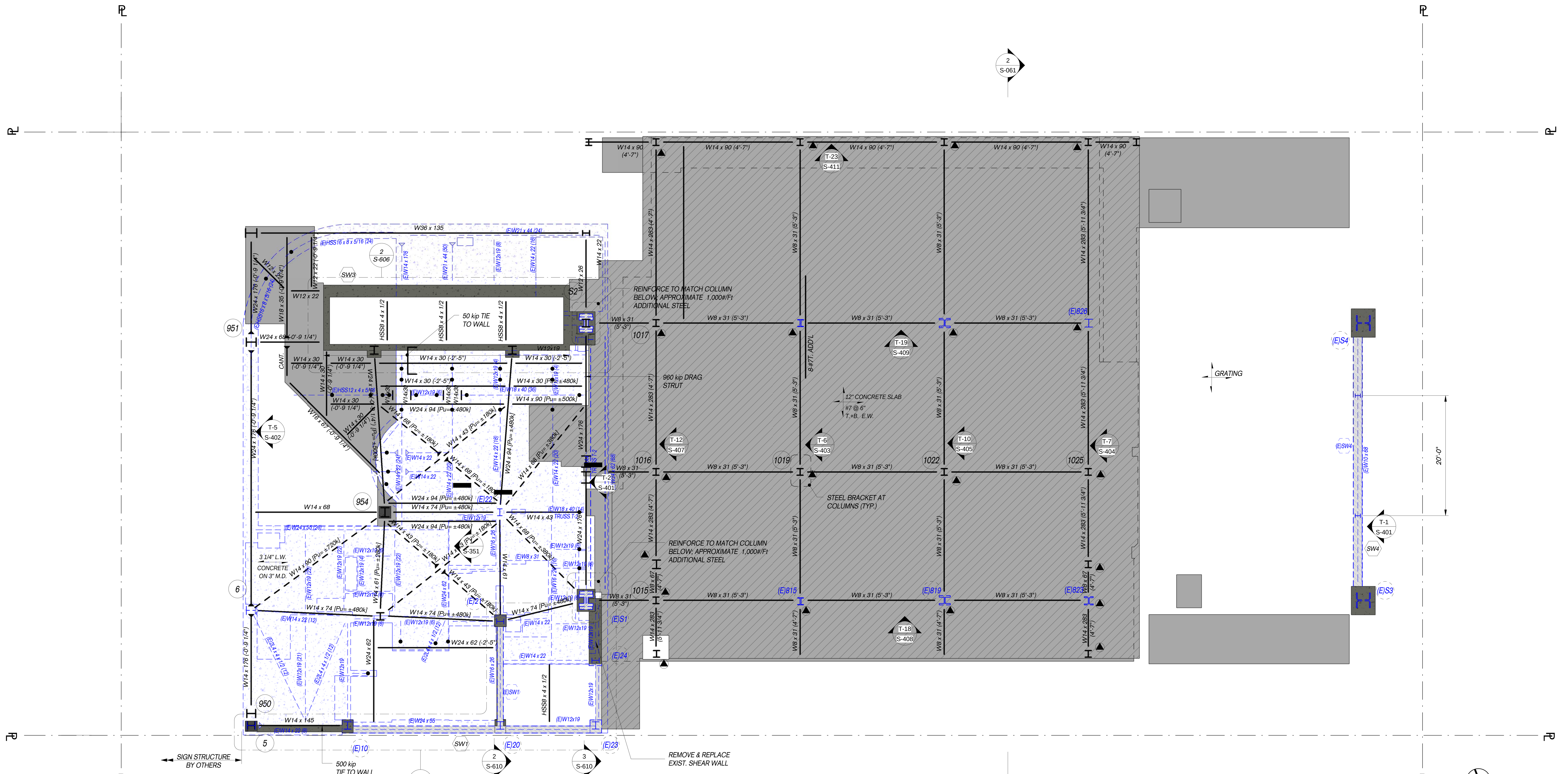
Sheet Number:

S-107.00



8TH FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. THIS DRAWING SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. FOR FLOOR FINISHES SEE ARCHITECTURAL DRAWINGS.
3. FLOOR DATUM EL. 120'-0" = SEE TABLE ON THIS DRAWING.
4. TOP OF CONCRETE SLAB IS AT DATUM ELEVATION UNLESS SHOWN THUS EL.±..... ON PLAN.
5. TOP OF STEEL IS 12" BELOW TOP OF CONCRETE FOR 12" CONCRETE SLAB AND 6 1/4" BELOW TOP OF CONCRETE FOR 3 1/4" LIGHTWEIGHT CONCRETE ON 3" METAL DECK UNLESS NOTED THUS (EL. ±......) ON PLAN.
6. FLOOR CONSTRUCTION SHALL BE 12" CONCRETE REINFORCED WITH #7 @ 6" TOP AND BOTTOM EACH WAY OR EXISTING 3 1/4" OF LIGHTWEIGHT CONCRETE PLACED OVER A 3" - 20 GAGE GALVANIZED COMPOSITE METAL DECK AND REINFORCED WITH 6" X 6" - W2.0 X W2.0 AS PER EXISTING DRAWINGS. THE SPAN DIRECTION OF THE DECK IS SHOWN THUS ←---→ ON PLAN.
7. THE NUMBER OF 3/4" DIAMETER (4 1/2" LONG) SHEAR STUDS IS SHOWN THUS (__) ON PLAN. WHERE NO STUDS ARE SHOWN, STUDS SHALL BE EQUALLY SPACED AT 12" ON CENTER FOR THE ENTIRE SPAN.
8. FOR COLUMN SCHEDULE SEE DRAWINGS S-501 THRU S-503.
9. FOR BEAM SCHEDULE SEE S-511.
10. FOR TYPICAL DETAILS SEE DRAWINGS S-701 THRU S-714.
11. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.
12. DENOTES COLUMN BELOW ONLY.
13. DENOTES COLUMN ABOVE ONLY.
14. DENOTES BEAM OPENING. SEE DETAIL ON DRAWING S-501 FOR BEAM OPENING REINFORCEMENT.
15. VERIFY IN FIELD ALL EXISTING CONDITIONS. INFORM THE EOR OF ANY DEVIATIONS.
16. CONTRACTOR TO COORDINATE ALL SLAB PENETRATIONS TO AVOID CUTTING/CORING OF EXISTING BEAMS.
17. C8 DENOTES C8 x 11.5
18. L4 DENOTES L4 x 4 x 5/16"
19. W8 DENOTES W8 x 15
20. DENOTES STEEL BEAM
21. DENOTES EXISTING STEEL BEAM
22. DENOTES SHORE, CUT AND RECONNECT EXISTING BEAM TO NEW WORK
23. DENOTES MOMENT CONNECTION. PROVIDE FULL CAPACITY MOMENT CONNECTION WHERE NO MOMENT IS SHOWN.
24. DENOTES APPROXIMATE AREA OF CONCRETE INFILL/PATCH
25. DENOTES APPROXIMATE EXTENT OF CONCRETE TOPPING SLAB OVER EXISTING TO REMAIN SLAB
26. DENOTES EXISTING SLAB TO REMAIN
27. DENOTES CONCRETE SLAB CONSTRUCTION
28. DENOTES EXISTING WALL TO REMAIN
29. DENOTES CONCRETE WALL CONSTRUCTION

S-108 LEVEL SCHEDULE	
FLOOR	NAVD 88
8TH	EL. 150'-7 7/8"

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
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55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

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242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

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10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Roxane Tsirigotis, RA
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

Project:
1568 Broadway

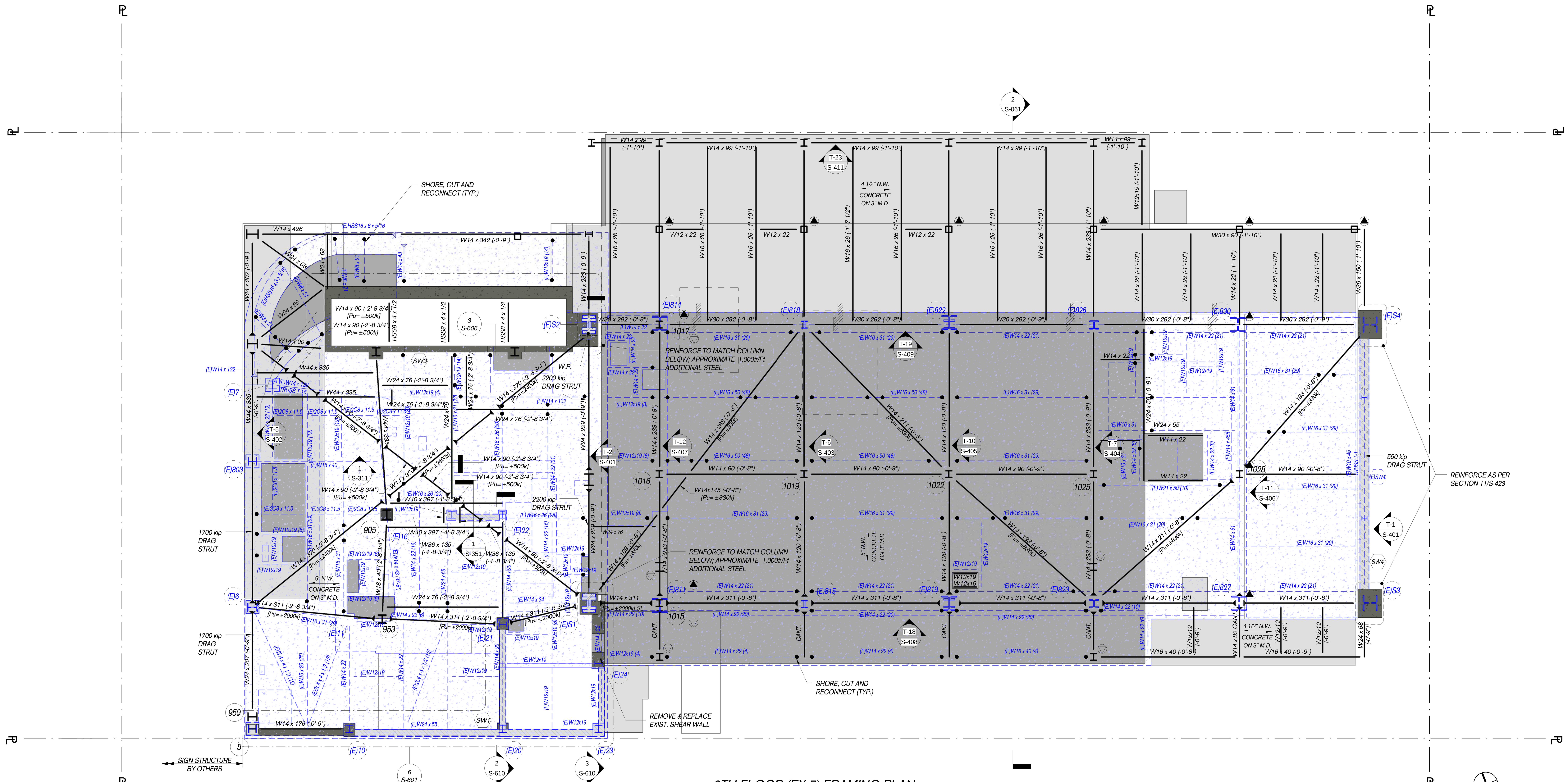
New York, NY 10036

Sheet Title:
8TH FLOOR PLAN (EL 150'-7 7/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated
Signature & Seal: STATE OF NEW YORK · RAWSIE JIJINA · 060340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number:
S-108.00

10/5/2017 6:58:07 PM



9TH FLOOR (EX.7) FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. THIS DRAWING SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. FOR FLOOR FINISHES SEE ARCHITECTURAL DRAWINGS.
3. FLOOR DATUM EL. 117'-0" = SEE TABLE ON THIS DRAWING.
4. TOP OF CONCRETE SLAB IS AT DATUM ELEVATION UNLESS SHOWN THUS EL.±..... ON PLAN.
5. TOP OF STEEL IS 7 1/2" BELOW TOP OF CONCRETE FOR 4 1/2" NORMAL WEIGHT CONCRETE ON 3" METAL DECK AND 8" BELOW TOP OF CONCRETE FOR 5" NORMAL WEIGHT CONCRETE ON 3" METAL DECK UNLESS NOTED THUS (EL. ±......) ON PLAN.
6. FLOOR CONSTRUCTION SHALL BE 4 1/2" OF NORMAL WEIGHT CONCRETE PLACED OVER A 3" - 18 GAGE GALVANIZED COMPOSITE METAL DECK AND REINFORCED WITH ONE LAYER OF 6" X 6" - W4.0 X W4.0 WELDED WIRE FABRIC PLACED 3/4" FROM THE TOP OF THE CONCRETE SLAB. OR EXISTING 5" NORMAL WEIGHT CONCRETE PLACED OVER A 3" - 20 GAGE GALVANIZED COMPOSITE METAL DECK AND REINFORCED WITH #4 @ 12" TOP EACH WAY AS PER EXISTING DRAWINGS. THE SPAN DIRECTION OF THE DECK IS SHOWN THUS ←---→ ON PLAN.
7. THE NUMBER OF 3/4" DIAMETER (4 1/2" LONG) SHEAR STUDS IS SHOWN THUS (__) ON PLAN. WHERE NO STUDS ARE SHOWN, STUDS SHALL BE EQUALLY SPACED AT 12" ON CENTER FOR THE ENTIRE SPAN.
8. FOR COLUMN SCHEDULE SEE DRAWINGS S-501 THRU S-503.
9. FOR BEAM SCHEDULE SEE S-511.
10. FOR TYPICAL DETAILS SEE DRAWINGS S-701 THRU S-714.
11. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.
12. DENOTES COLUMN BELOW ONLY.
13. DENOTES COLUMN ABOVE ONLY.
14. DENOTES BEAM OPENING. SEE DETAIL ON DRAWING S-501 FOR BEAM OPENING REINFORCEMENT.
15. VERIFY IN FIELD ALL EXISTING CONDITIONS. INFORM THE EOR OF ANY DEVIATIONS.
16. CONTRACTOR TO COORDINATE ALL SLAB PENETRATIONS TO AVOID CUTTING/CORING OF EXISTING BEAMS.
17. C8 DENOTES C8 x 11.5
18. L4 DENOTES L4 x 4 x 5/16"
19. W8 DENOTES W8 x 15
20. DENOTES STEEL BEAM
21. DENOTES EXISTING STEEL BEAM
22. DENOTES SHORE, CUT AND RECONNECT EXISTING BEAM TO NEW WORK
23. DENOTES MOMENT CONNECTION. PROVIDE FULL CAPACITY MOMENT CONNECTION WHERE NO MOMENT IS SHOWN.
24. DENOTES APPROXIMATE AREA OF CONCRETE INFILL/PATCH
25. DENOTES APPROXIMATE EXTENT OF CONCRETE TOPPING SLAB OVER EXSITING TO REMAIN SLAB
26. DENOTES EXISTING SLAB TO REMAIN
27. DENOTES CONCRETE SLAB CONSTRUCTION
28. DENOTES EXISTING WALL TO REMAIN
29. DENOTES CONCRETE WALL CONSTRUCTION

S-109 LEVEL SCHEDULE

FLOOR	NAVD 88
9TH	EL. 165'-7 7/8"

Roxane Tsirigotis, RA
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
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New York, NY 10001
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Severud Associates | Structural Engineer
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New York, NY 10001
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Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
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zeroLUX | Lighting Design
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07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

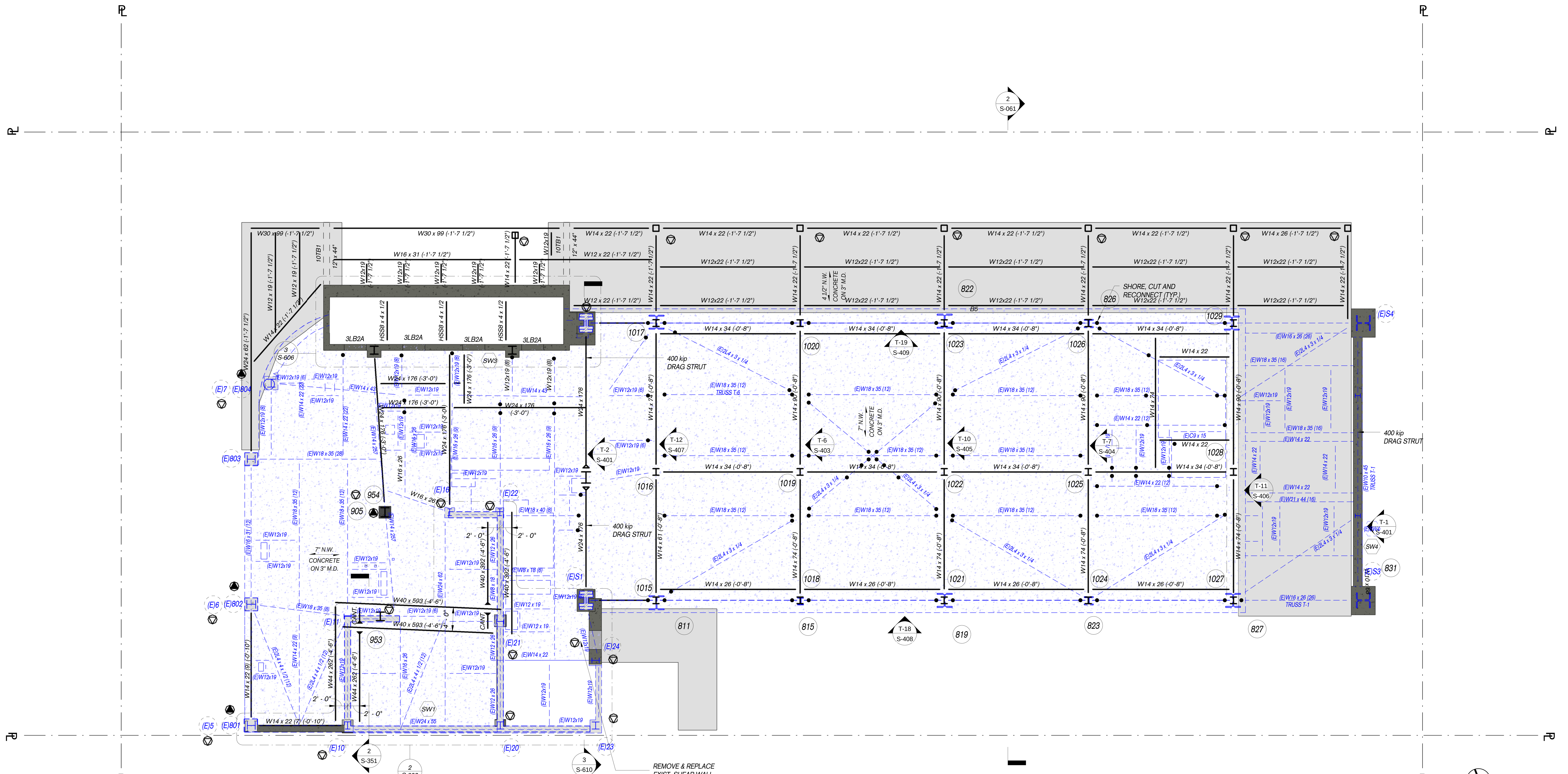
New York, NY 10036

Sheet Title:
9TH FLOOR PLAN (EL 165'- 7 7/8")

Project Number: 13649
Drawn By: Author
Checked By: CJ
Scale: As indicated

Signature & Seal:
STATE OF NEW YORK
CAWSIE JIJINA
060340
LICENSED PROFESSIONAL ENGINEER

Sheet Number:
S-109.00



10TH FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. THIS DRAWING SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. FOR FLOOR FINISHES SEE ARCHITECTURAL DRAWINGS.
3. FLOOR DATUM EL. 133'-0" = SEE TABLE ON THIS DRAWING.
4. TOP OF CONCRETE SLAB IS AT DATUM ELEVATION UNLESS SHOWN THUS EL.±..... ON PLAN.
5. TOP OF STEEL IS 7 1/2" BELOW TOP OF CONCRETE FOR 4 1/2" NORMAL WEIGHT CONCRETE ON 3" METAL DECK AND 10" BELOW TOP OF CONCRETE FOR 7" NORMAL WEIGHT CONCRETE ON 3" METAL DECK UNLESS NOTED THUS (EL. ±......) ON PLAN.
6. FLOOR CONSTRUCTION SHALL BE 4 1/2" OF NORMAL WEIGHT CONCRETE PLACED OVER A 3" - 18 GAGE GALVANIZED COMPOSITE METAL DECK AND REINFORCED WITH ONE LAYER OF 6" X 6" - W4.0 X W4.0 WELDED WIRE FABRIC PLACED 3/4" FROM THE TOP OF THE CONCRETE SLAB. OR EXISTING 7" NORMAL WEIGHT CONCRETE PLACED OVER 3" - 20 GAGE GALVANIZED COMPOSITE METAL DECK AND REINFORCED WITH #4 @ 12" TOP EACH WAY AS PER EXISTING DRAWINGS. THE SPAN DIRECTION OF THE DECK IS SHOWN THUS ←---→ ON PLAN.
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8. FOR COLUMN SCHEDULE SEE DRAWINGS S-501 THRU S-503.
9. FOR BEAM SCHEDULE SEE S-511.
10. FOR TYPICAL DETAILS SEE DRAWINGS S-701 THRU S-714.
11. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.
12. ▽ DENOTES COLUMN BELOW ONLY.
13. ▲ DENOTES COLUMN ABOVE ONLY.
14. ⊗ DENOTES BEAM OPENING. SEE DETAIL ON DRAWING S-501 FOR BEAM OPENING REINFORCEMENT.
15. VERIFY IN FIELD ALL EXISTING CONDITIONS. INFORM THE EOR OF ANY DEVIATIONS.
16. CONTRACTOR TO COORDINATE ALL SLAB PENETRATIONS TO AVOID CUTTING/CORING OF EXISTING BEAMS.
17. C8 DENOTES C8 x 11.5
18. L4 DENOTES L4 x 4 x 5/16"
19. W8 DENOTES W8 x 15
20. DENOTES STEEL BEAM
21. DENOTES EXISTING STEEL BEAM
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24. DENOTES APPROXIMATE AREA OF CONCRETE INFILL/PATCH
25. DENOTES APPROXIMATE EXTENT OF CONCRETE TOPPING SLAB OVER EXSITING TO REMAIN SLAB
26. DENOTES EXISTING SLAB TO REMAIN
27. DENOTES CONCRETE SLAB CONSTRUCTION
28. DENOTES EXISTING WALL TO REMAIN
29. DENOTES CONCRETE WALL CONSTRUCTION

S-110 LEVEL SCHEDULE

FLOOR	NAVD 88
10TH	EL. 181'-7 7/8"

Roxane Tsirigotis, RA
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
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New York, NY 10018
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Norwalk, CT 06854
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New York, NY 10001
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Urban Foundation Engineering Foundation Engineer
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06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
10TH FLOOR PLAN (EL 181'-7 7/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated

Signature & Seal:
STATE OF NEW YORK · RAWSIE JIJINA · 060340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number:
S-110.00

10/5/2017 6:43:42 PM

NOTES:

1. THIS DRAWING SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. FOR FLOOR FINISHES SEE ARCHITECTURAL DRAWINGS.
3. FLOOR DATUM EL. 150'-5" = SEE TABLE ON THIS DRAWING.
4. TOP OF CONCRETE SLAB IS AT DATUM ELEVATION UNLESS SHOWN THUS EL.±..... ON PLAN.
5. TOP OF STEEL IS 8" BELOW TOP OF CONCRETE UNLESS NOTED THUS (EL. ±......) ON PLAN.
6. FLOOR CONSTRUCTION SHALL BE EXISTING 8" CONCRETE FLAT PLATE AS PER EXISTING DRAWINGS WITH A 4" STRUCTURAL CONCRETE TOPPING SLAB REINFORCED WITH #7 @ 12" TOP EACH WAY AND 1/2" DIAMETER SHEAR PINS AT 12" OR EXISTING 8" CONCRETE FLAT PLATE AS PER EXISTING DRAWINGS.
7. NOT USED
8. FOR COLUMN SCHEDULE SEE DRAWINGS S-501 THRU S-503.
9. FOR BEAM SCHEDULE SEE S-511.
10. FOR TYPICAL DETAILS SEE DRAWINGS S-701 THRU S-714.
11. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.
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16. CONTRACTOR TO COORDINATE ALL SLAB PENETRATIONS TO AVOID CUTTING/CORING OF EXISTING BEAMS.
17. C8 DENOTES C8 x 11.5
18. L4 DENOTES L4 x 4 x 5/16"
19. W8 DENOTES W8 x 15
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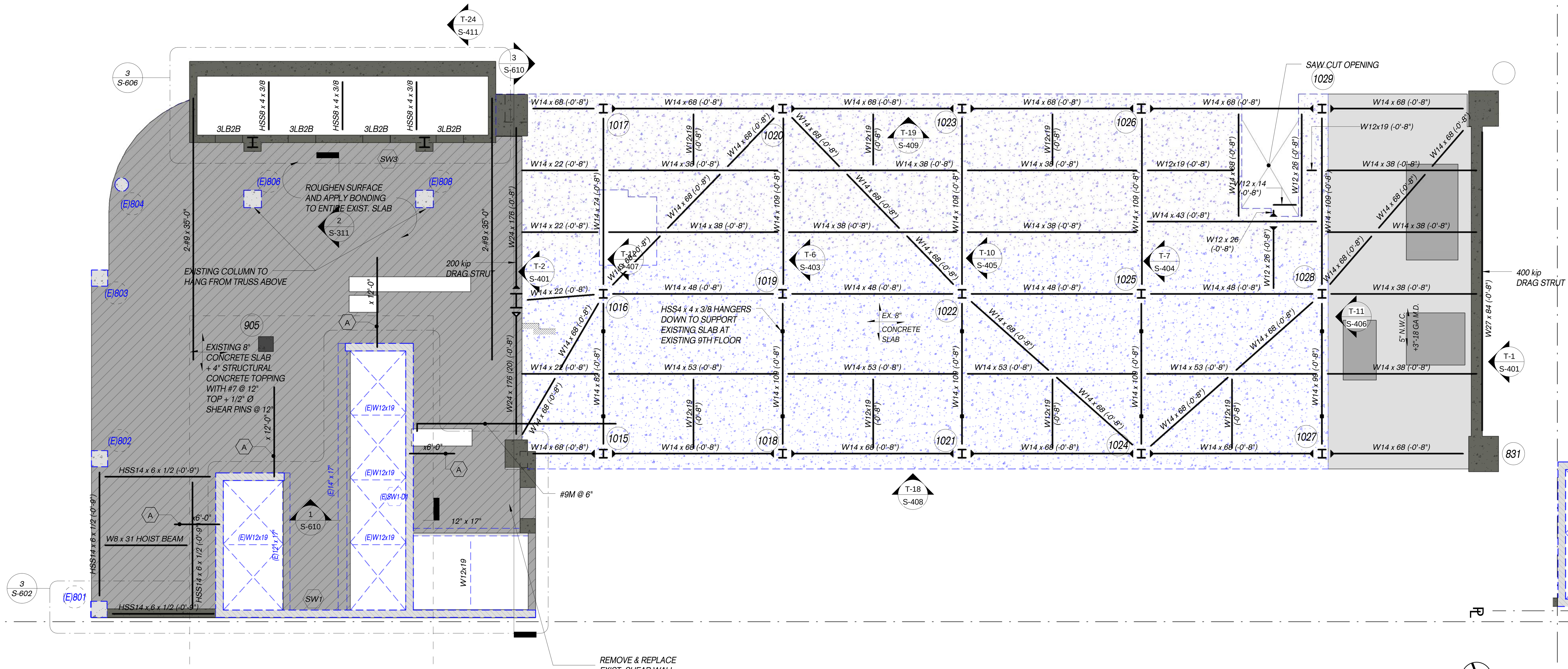
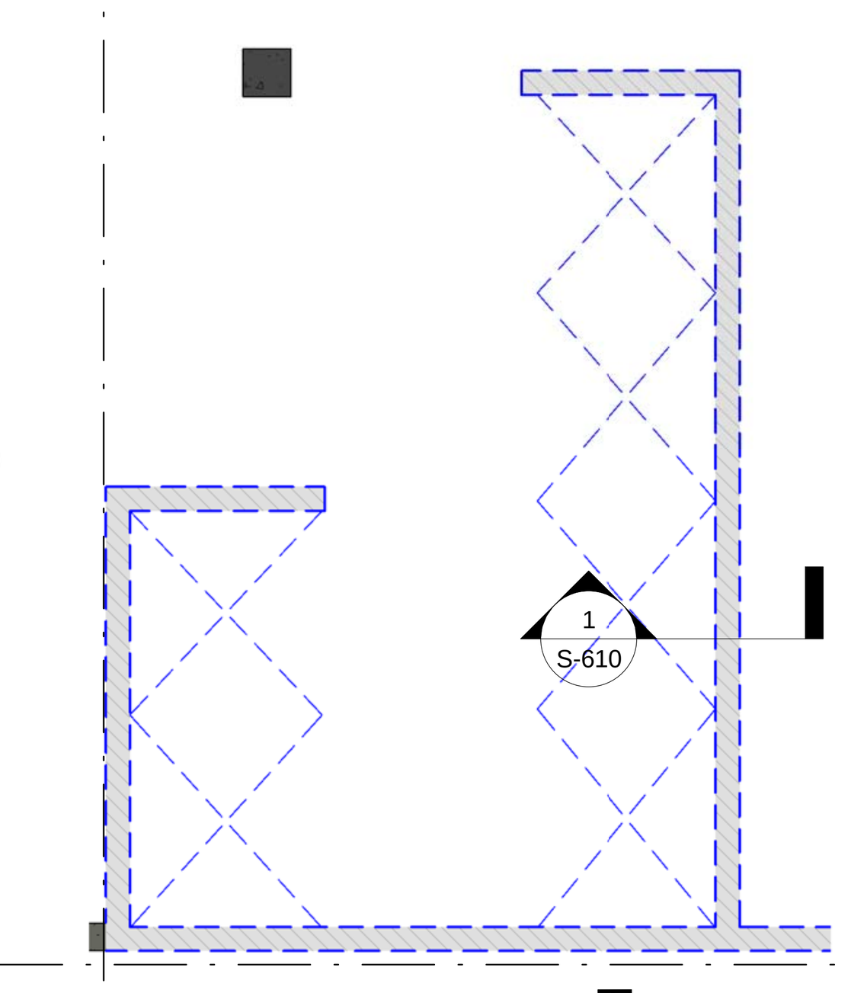
29. DENOTES CONCRETE WALL CONSTRUCTION



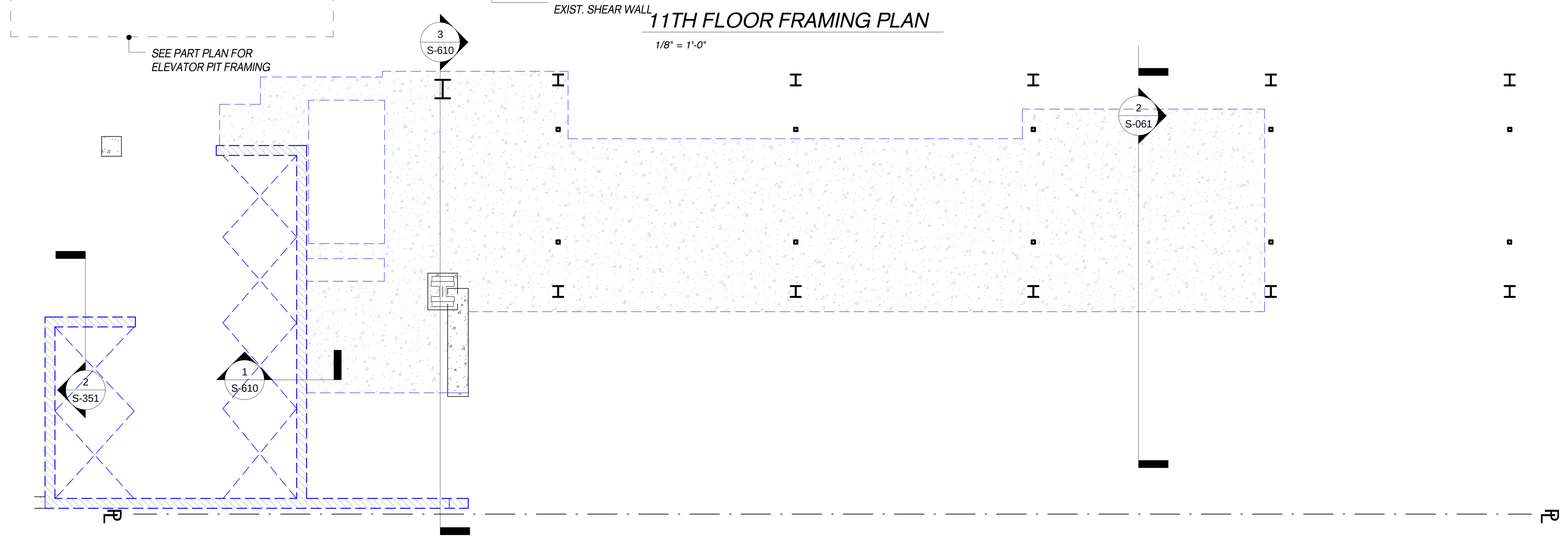
11TH FLOOR FRAMING PLAN

1/8" = 1'-0"



PART PLAN AT PITS

1/8" = 1'-0"



PART PLAN OF EXISTING L9 (EL. 190'-4 3/8")

1/8" = 1'-0"

S-111 LEVEL SCHEDULE	
FLOOR	NAVD 88
11TH	EL. 199'-0 7/8"

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
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Project:
1568 Broadway

New York, NY 10036

Sheet Title:
11TH FLOOR PLAN (EL 199'-0 7/8")

Project Number: 13649

Drawn By: SNH/JBA

Checked By: CJ

Scale: As indicated

Signature & Seal:

Sheet Number: S-111.00

NOTES:

1. THIS DRAWING SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. FOR FLOOR FINISHES SEE ARCHITECTURAL DRAWINGS.
3. FLOOR DATUM EL. 167'-10" = SEE TABLE ON THIS DRAWING.
4. TOP OF CONCRETE SLAB IS AT DATUM ELEVATION UNLESS SHOWN THUS EL.±..... ON PLAN.
5. TOP OF STEEL IS 7 1/2" BELOW TOP OF CONCRETE UNLESS NOTED THUS (EL. ±......) ON PLAN.
6. FLOOR CONSTRUCTION SHALL BE 4 1/2" OF NORMAL WEIGHT CONCRETE PLACED OVER A 3" - 18 GAGE GALVANIZED COMPOSITE METAL DECK AND REINFORCED WITH ONE LAYER OF 6" X 6" - W1.4 X W1.4 WELDED WIRE FABRIC PLACED 3/4" FROM THE TOP OF THE CONCRETE SLAB. OR EXISTING 8" CONCRETE FLAT PLATE AS PER EXISTING DRAWINGS WITH A 4" STRUCTURAL CONCRETE TOPPING SLAB REINFORCED WITH #7 @ 12" TOP EACH WAY AND 1/2" DIAMETER SHEAR PINS AT 12".THE SPAN DIRECTION OF THE DECK IS SHOWN THUS ←---→ ON PLAN.
7. THE NUMBER OF 3/4" DIAMETER (4 1/2" LONG) SHEAR STUDS IS SHOWN THUS (__) ON PLAN. WHERE NO STUDS ARE SHOWN, STUDS SHALL BE EQUALLY SPACED AT 12" ON CENTER FOR THE ENTIRE SPAN.
8. FOR COLUMN SCHEDULE SEE DRAWINGS S-501 THRU S-503.
9. FOR BEAM SCHEDULE SEE S-511.
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11. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.
12. DENOTES COLUMN BELOW ONLY.
13. DENOTES COLUMN ABOVE ONLY.
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17. C8 DENOTES C8 x 11.5
18. L4 DENOTES L4 x 4 x 5/16"
19. W8 DENOTES W8 x 15
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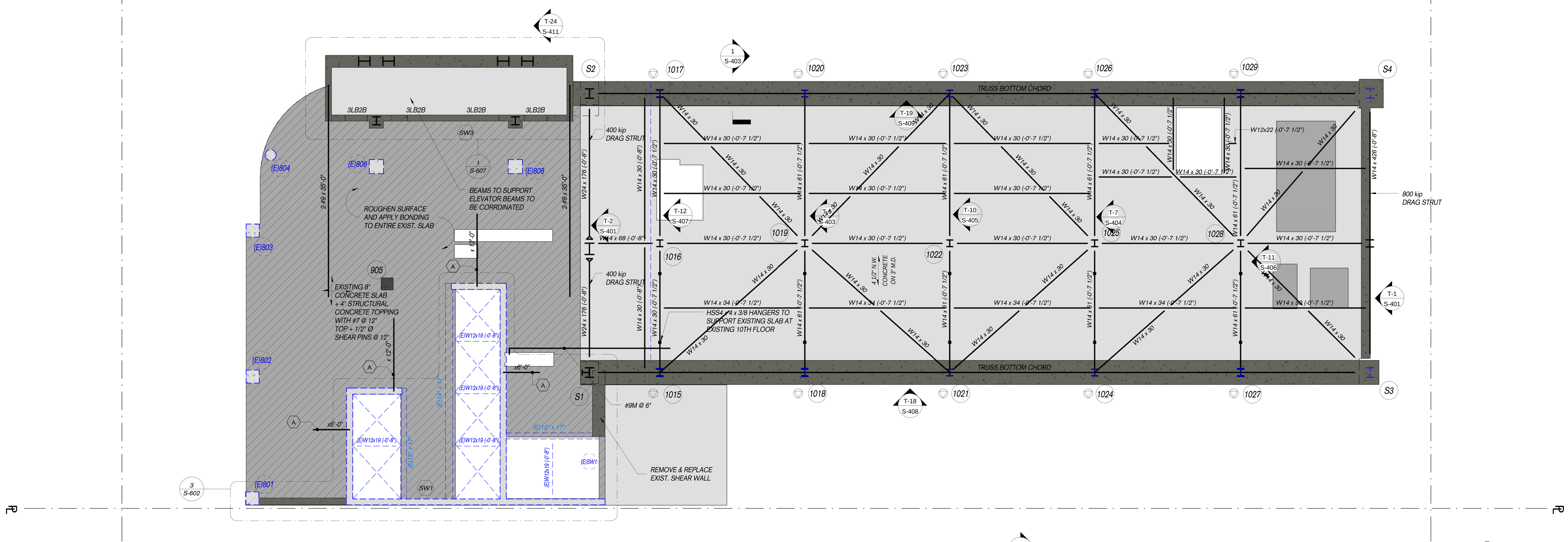
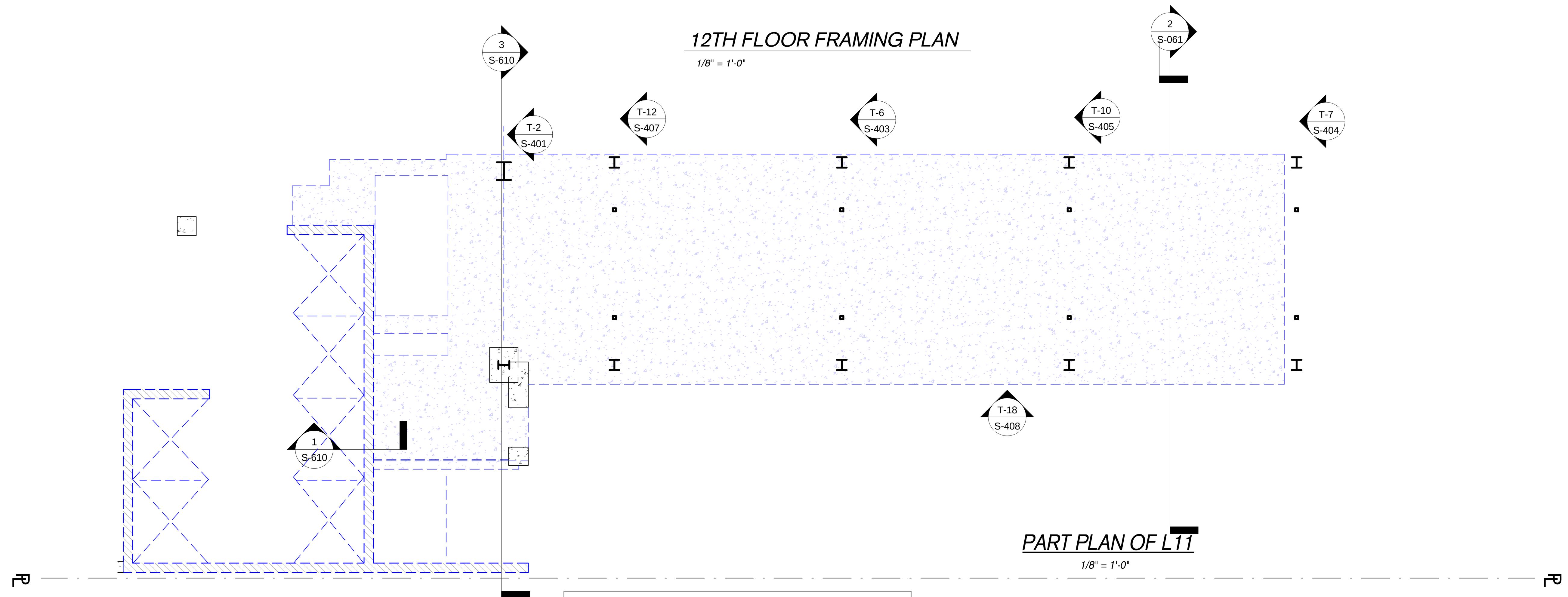


12TH FLOOR FRAMING PLAN
1/8" = 1'-0"



PART PLAN OF L11
1/8" = 1'-0"

TAG LEGEND:

(A) DENOTES #5 @ 6" MIDDLE BARS - DRILL AND EMBED 6" INTO EXISTING CONCRETE WALL WITH HILTI HIT HY 200 EPOXY.

S-112 LEVEL SCHEDULE

FLOOR	NAVD 88
12TH	EL. 216'-5 7/8"

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

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Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

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14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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47 Water Street
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203 299 0830 | theatreprojects.com

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22 West 19th Street, Floor 6
New York, NY 10011
212 691 3020 | fmsp.com

Jaffe Holden | Acoustic Consultant
114–A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

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11.09.2016	13	ISSUED FOR TA FILING
11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
12TH FLOOR PLAN (EL 216'-5 7/8")

Project Number: 13649

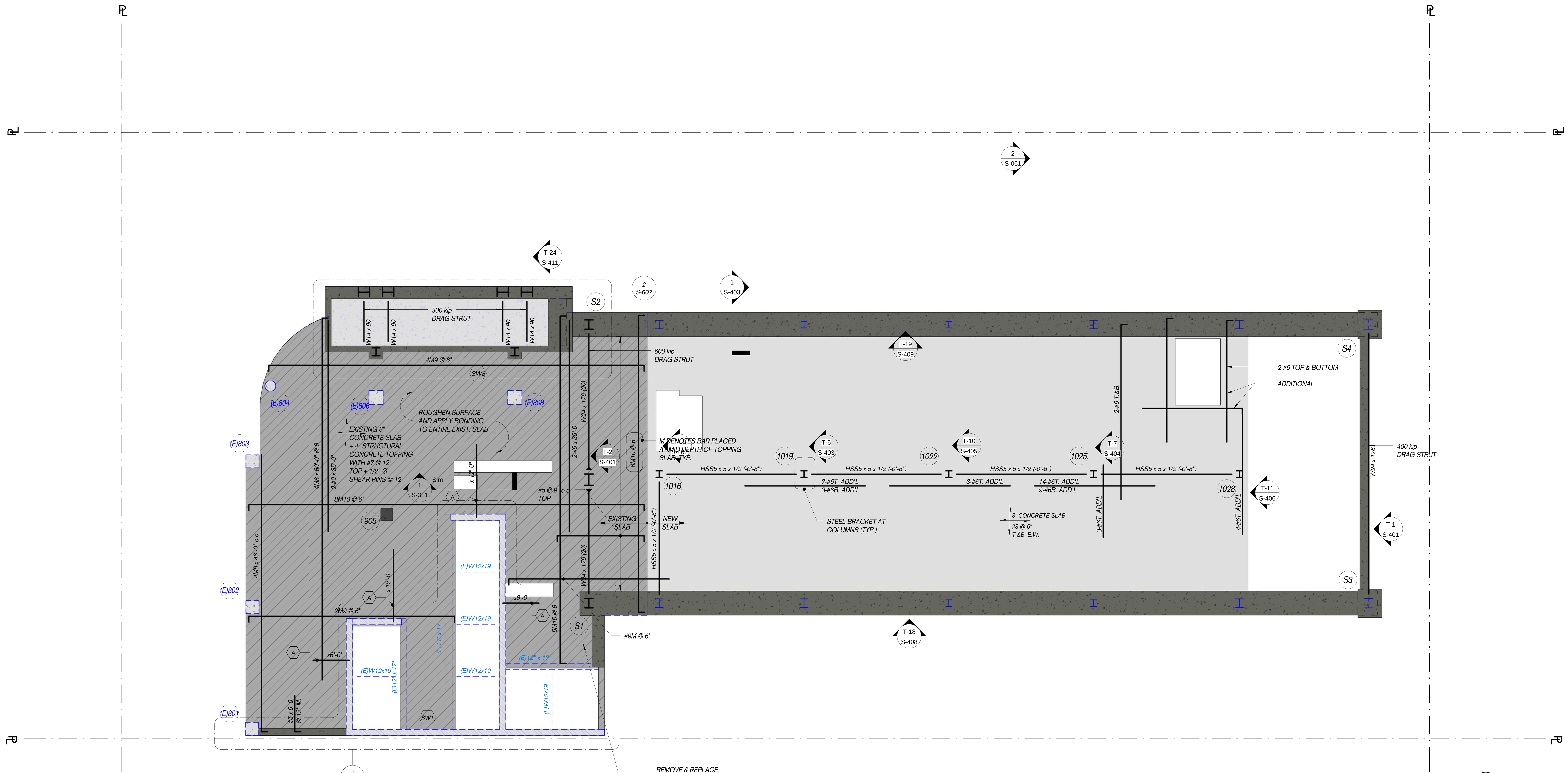
Drawn By: SNH/JBA

Checked By: CJ

Scale: As indicated

Signature & Seal:

Sheet Number: S-112.00



13TH FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. THIS DRAWING SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. FOR FLOOR FINISHES SEE ARCHITECTURAL DRAWINGS.
3. FLOOR DATUM EL. 176'-6 1/2" = SEE TABLE ON THIS DRAWING.
4. TOP OF CONCRETE SLAB IS AT DATUM ELEVATION UNLESS SHOWN THUS EL.+....ON PLAN.
5. NOT USED.
6. FLOOR CONSTRUCTION SHALL BE 8" CONCRETE FLAT SLAB REINFORCED WITH A CONTINUOUS #8 @ 6" TOP AND BOTTOM GRID WITH CONCRETE COMPRESSIVE STRENGTH IS 12 KSI. OR EXISTING 8" CONCRETE FLAT PLATE AS PER EXISTING DRAWINGS WITH A 4" STRUCTURAL CONCRETE TOPPING SLAB REINFORCED WITH #7 @ 12" TOP EACH WAY AND 1/2" DIAMETER SHEAR PINS AT 12".
7. NOT USED.
8. FOR COLUMN SCHEDULE SEE DRAWINGS S-501 THRU S-503.
9. FOR BEAM SCHEDULE SEE S-511.
10. FOR TYPICAL DETAILS SEE DRAWINGS S-701 THRU S-714.
11. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.
12. DENOTES COLUMN BELOW ONLY.
13. DENOTES COLUMN ABOVE ONLY.
14. DENOTES BEAM OPENING. SEE DETAIL ON DRAWING S-501 FOR BEAM OPENING REINFORCEMENT.
15. VERIFY IN FIELD ALL EXISTING CONDITIONS. INFORM THE EOR OF ANY DEVIATIONS.
16. CONTRACTOR TO COORDINATE ALL SLAB PENETRATIONS TO AVOID CUTTING/CORING OF EXISTING BEAMS.
17. C8 DENOTES C8 x 11.5
18. L4 DENOTES L4 x 4 x 5/16"
19. W8 DENOTES W8 x 15
20. DENOTES STEEL BEAM
21. DENOTES EXISTING STEEL BEAM
22. DENOTES SHORE, CUT AND RECONNECT EXISTING BEAM TO NEW WORK
23. DENOTES MOMENT CONNECTION. PROVIDE FULL CAPACITY MOMENT CONNECTION WHERE NO MOMENT IS SHOWN.
24. DENOTES APPROXIMATE AREA OF CONCRETE INFILL/PATCH
25. DENOTES APPROXIMATE EXTENT OF CONCRETE TOPPING SLAB OVER EXSITING TO REMAIN SLAB
26. DENOTES EXISTING SLAB TO REMAIN
27. DENOTES CONCRETE SLAB CONSTRUCTION
28. DENOTES EXISTING WALL TO REMAIN
29. DENOTES CONCRETE WALL CONSTRUCTION

S-113 LEVEL SCHEDULE

FLOOR	NAVD 88
13TH	EL. 225'-2 3/8"

TAG LEGEND:

(A) DENOTES #5 @ 6" MIDDLE BARS - DRILL AND EMBED 6" INTO EXISTING CONCRETE WALL WITH HILTI HIT HY 200 EPOXY.

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

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TORONTO, ON M4M 2M3
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3233 111th Street
Flushing, NY 11369
718.478.3021

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242 West 30th Street, Level 2
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212.209.1536

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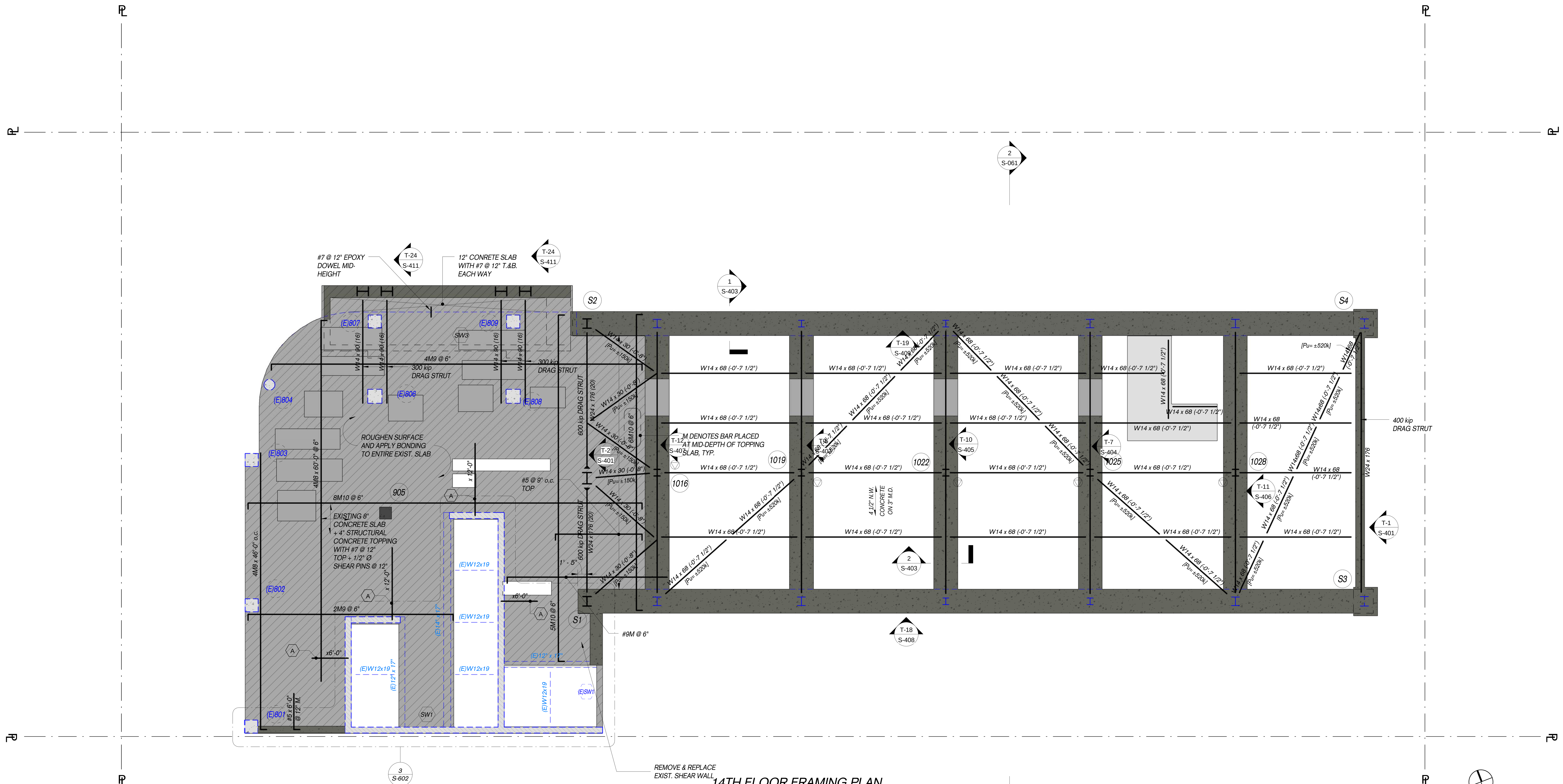
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway
New York, NY 10036

Sheet Title:
13TH FLOOR PLAN (EL 225'-2 3/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated
Signature & Seal:
Sheet Number: **S-113.00**



14TH FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. THIS DRAWING SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. FOR FLOOR FINISHES SEE ARCHITECTURAL DRAWINGS.
3. FLOOR DATUM EL. 185'-3" = SEE TABLE ON THIS DRAWING.
4. TOP OF CONCRETE SLAB IS AT DATUM ELEVATION UNLESS SHOWN THUS EL.±..... ON PLAN.
5. TOP OF STEEL IS 7 1/2" BELOW TOP OF CONCRETE UNLESS NOTED THUS (EL. ±......) ON PLAN.
6. FLOOR CONSTRUCTION SHALL BE 4 1/2" OF NORMAL WEIGHT CONCRETE PLACED OVER A 3" - 18 GAGE GALVANIZED COMPOSITE METAL DECK AND REINFORCED WITH ONE LAYER OF 6" X 6" - W4.0 X W4.0 WELDED WIRE FABRIC PLACED 3/4" FROM THE TOP OF THE CONCRETE SLAB. OR EXISTING 8" CONCRETE FLAT PLATE AS PER EXISTING DRAWINGS WITH A 4" STRUCTURAL CONCRETE TOPPING SLAB REINFORCED WITH #7 @ 12" TOP EACH WAY AND 1/2" DIAMETER SHEAR PINS AT 12". THE SPAN DIRECTION OF THE DECK IS SHOWN THUS ←---→ ON PLAN.
7. THE NUMBER OF 3/4" DIAMETER (4 1/2" LONG) SHEAR STUDS IS SHOWN THUS (__) ON PLAN. WHERE NO STUDS ARE SHOWN, STUDS SHALL BE EQUALLY SPACED AT 12" ON CENTER FOR THE ENTIRE SPAN.
8. FOR COLUMN SCHEDULE SEE DRAWINGS S-501 THRU S-503.
9. FOR BEAM SCHEDULE SEE S-511.
10. FOR TYPICAL DETAILS SEE DRAWINGS S-701 THRU S-714.
11. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.
12. DENOTES COLUMN BELOW ONLY.
13. DENOTES COLUMN ABOVE ONLY.
14. DENOTES BEAM OPENING. SEE DETAIL ON DRAWING S-501 FOR BEAM OPENING REINFORCEMENT.
15. VERIFY IN FIELD ALL EXISTING CONDITIONS. INFORM THE EOR OF ANY DEVIATIONS.
16. CONTRACTOR TO COORDINATE ALL SLAB PENETRATIONS TO AVOID CUTTING/CORING OF EXISTING BEAMS.
17. C8 DENOTES C8 x 11.5
18. L4 DENOTES L4 x 4 x 5/16"
19. W8 DENOTES W8 x 15
20. DENOTES STEEL BEAM
21. DENOTES EXISTING STEEL BEAM
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24. DENOTES APPROXIMATE AREA OF CONCRETE INFILL/PATCH
25. DENOTES APPROXIMATE EXTENT OF CONCRETE TOPPING SLAB OVER EXSITING TO REMAIN SLAB
26. DENOTES EXISTING SLAB TO REMAIN
27. DENOTES CONCRETE SLAB CONSTRUCTION
28. DENOTES EXISTING WALL TO REMAIN
29. DENOTES CONCRETE WALL CONSTRUCTION

S-114 LEVEL SCHEDULE	
FLOOR	NAVD 88
14TH	EL. 233'-10 7/8"

TAG LEGEND:

(A) DENOTES #5 @ 6" MIDDLE BARS - DRILL AND EMBED 6" INTO EXISTING CONCRETE WALL WITH HILTI HIT HY 200 EPOXY.

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
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212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
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New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
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Theatre Projects Consultants | Theater Consultant
47 Water Street
South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

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212 691 3020 | fmsp.com

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New York, NY 10001
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3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

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07.15.2016	7	50% DESIGN DEVELOPMENT
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Project:

1568 Broadway

New York, NY 10036

Sheet Title:

14TH FLOOR PLAN (EL 233'-10 7/8")

Project Number: 13649

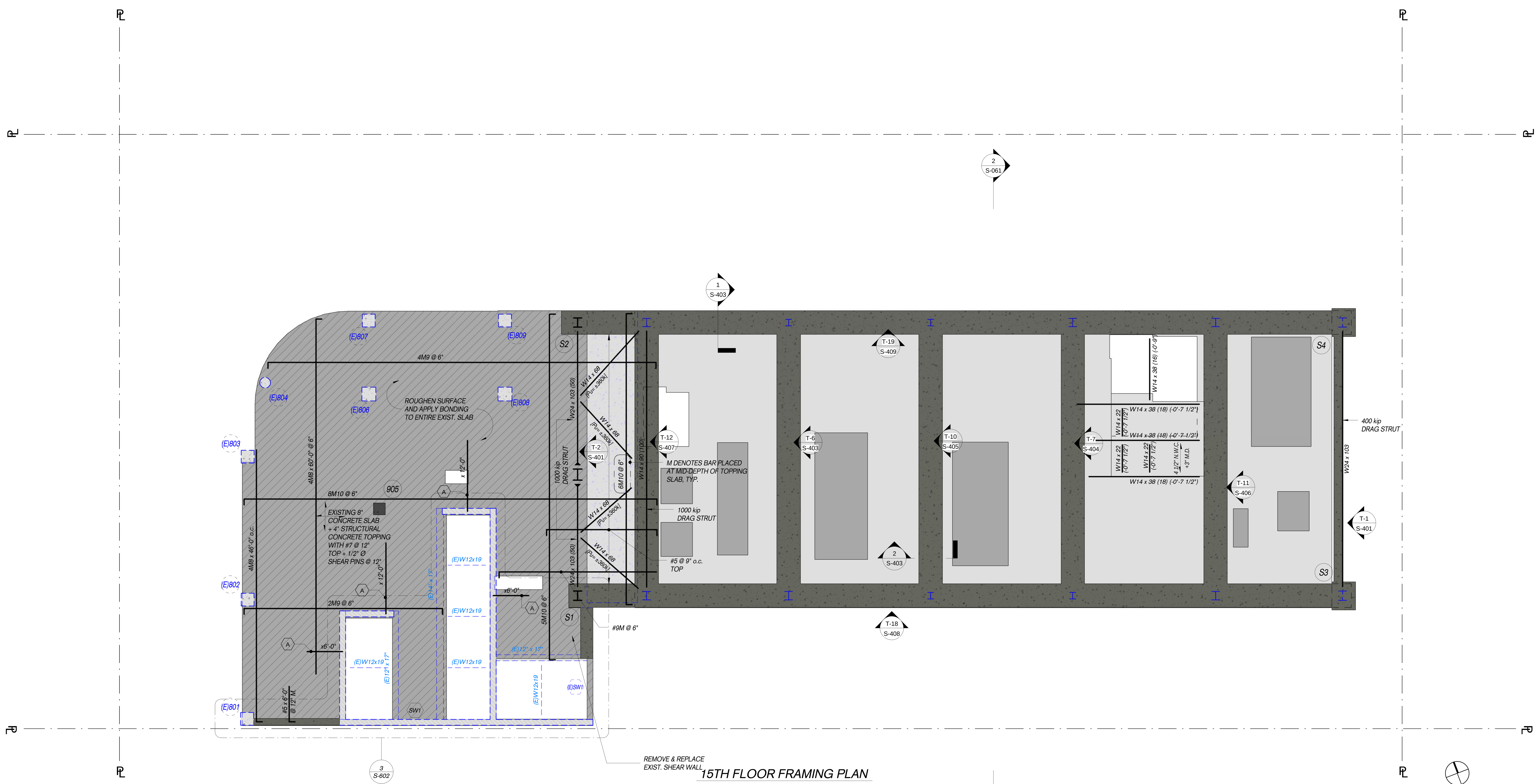
Drawn By: SNH/JBA

Checked By: CJ

Scale: As indicated

Signature & Seal:

Sheet Number: **S-114.00**



15TH FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. THIS DRAWING SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. FOR FLOOR FINISHES SEE ARCHITECTURAL DRAWINGS.
3. FLOOR DATUM EL. 193'-11 1/2" = SEE TABLE ON THIS DRAWING.
4. TOP OF CONCRETE SLAB IS AT DATUM ELEVATION UNLESS SHOWN THUS EL.±..... ON PLAN.
5. TOP OF STEEL IS 12" BELOW TOP OF CONCRETE UNLESS NOTED THUS (EL. ±......) ON PLAN.
6. FLOOR CONSTRUCTION SHALL BE EXISTING 8" CONCRETE FLAT PLATE AS PER EXISTING DRAWINGS WITH A 4" STRUCTURAL CONCRETE TOPPING SLAB REINFORCED WITH #7 @ 12" TOP EACH WAY AND 1/2" DIAMETER SHEAR PINS AT 12".
7. NOT USED
8. FOR COLUMN SCHEDULE SEE DRAWINGS S-501 THRU S-503.
9. FOR BEAM SCHEDULE SEE S-511.
10. FOR TYPICAL DETAILS SEE DRAWINGS S-701 THRU S-714.
11. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.
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15. VERIFY IN FIELD ALL EXISTING CONDITIONS. INFORM THE EOR OF ANY DEVIATIONS.
16. CONTRACTOR TO COORDINATE ALL SLAB PENETRATIONS TO AVOID CUTTING/CORING OF EXISTING BEAMS.
17. C8 DENOTES C8 x 11.5
18. L4 DENOTES L4 x 4 x 5/16"
19. W8 DENOTES W8 x 15
20. DENOTES STEEL BEAM
21. DENOTES EXISTING STEEL BEAM
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26. DENOTES EXISTING SLAB TO REMAIN
27. DENOTES CONCRETE SLAB CONSTRUCTION
28. DENOTES EXISTING WALL TO REMAIN
29. DENOTES CONCRETE WALL CONSTRUCTION

S-115 LEVEL SCHEDULE

FLOOR	NAVD 88
15TH	EL. 242'-7 3/8"

Roxane Tsirigotis, RA
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

TAG LEGEND:

(A) DENOTES #5 @ 6" MIDDLE BARS - DRILL AND EMBED 6" INTO EXISTING CONCRETE WALL WITH HILTI HIT HY 200 EPOXY.

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3233 111th Street
Flushing, NY 11369
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New York, NY 10001
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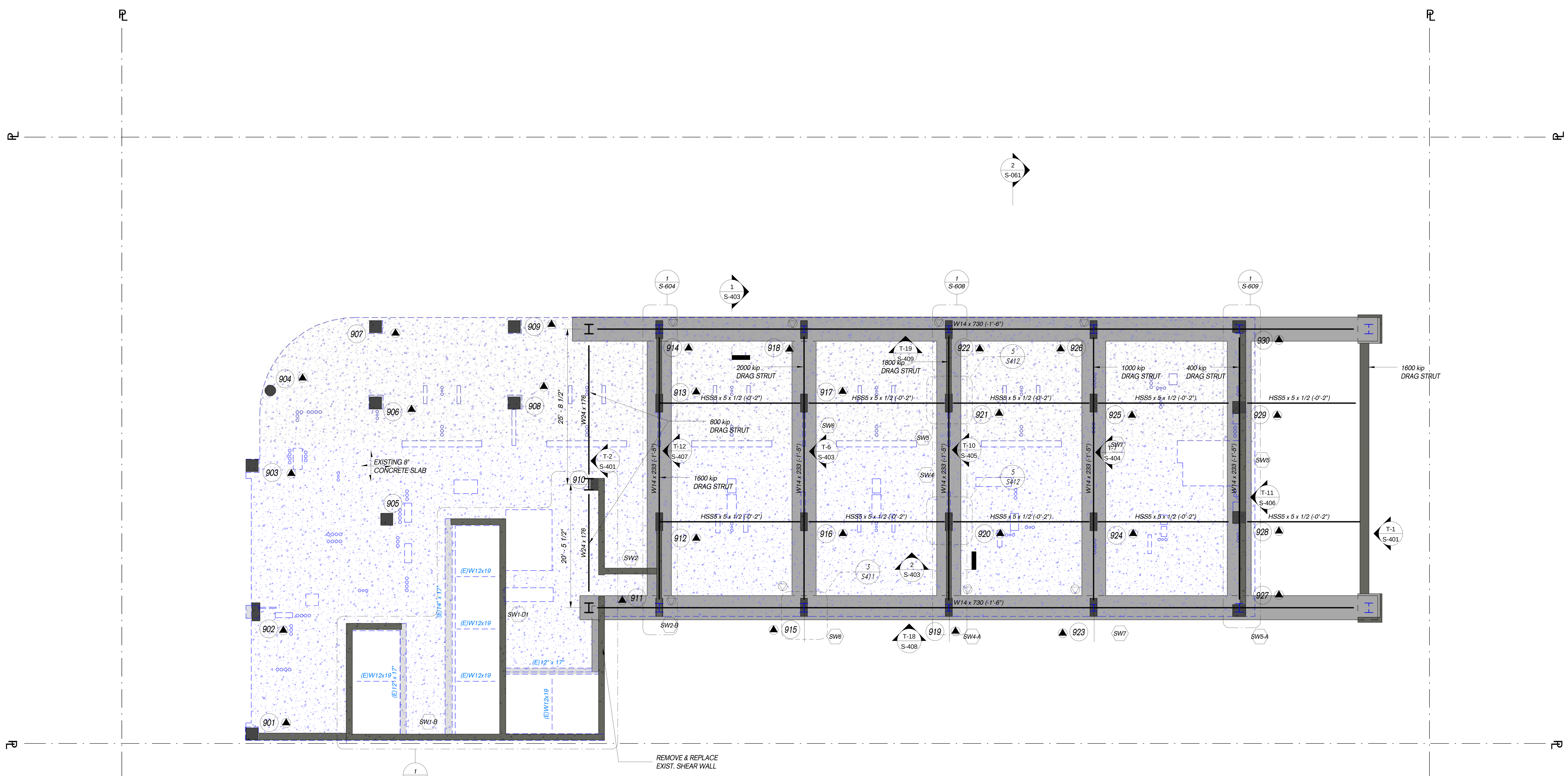
Project:
1568 Broadway
New York, NY 10036

Sheet Title:
15TH FLOOR PLAN (EL 242'-7 3/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated

Signature & Seal:
STATE OF NEW YORK
KAWSIE JIJINA
060340
LICENSED PROFESSIONAL ENGINEER

Sheet Number: S-115.00



16TH FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. THIS DRAWING SHALL BE USED WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS.
2. FOR FLOOR FINISHES SEE ARCHITECTURAL DRAWINGS.
3. FLOOR DATUM EL. 202'-8" = SEE TABLE ON THIS DRAWING.
4. TOP OF CONCRETE SLAB IS AT DATUM ELEVATION UNLESS SHOWN THUS EL.±..... ON PLAN.
5. TOP OF STEEL IS 9" BELOW TOP OF CONCRETE UNLESS NOTED THUS (EL. ±......) ON PLAN.
6. FLOOR CONSTRUCTION SHALL BE EXISTING 8" CONCRETE FLAT PLATE SLAB AS PER EXISTING DRAWINGS OR 9" CONCRETE FLAT PLATE SLAB REINFORCED WITH #7 @ 12" TOP AND BOTTOM EACH WAY.
7. NOT USED
8. FOR COLUMN SCHEDULE SEE DRAWINGS S-501 THRU S-503.
9. FOR BEAM SCHEDULE SEE S-511.
10. FOR TYPICAL DETAILS SEE DRAWINGS S-701 THRU S-714.
11. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.
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13. ▲ DENOTES COLUMN ABOVE ONLY.
14. ⊗ DENOTES BEAM OPENING. SEE DETAIL ON DRAWING S-501 FOR BEAM OPENING REINFORCEMENT.
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18. L4 DENOTES L4 x 4 x 5/16"
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28. DENOTES EXISTING WALL TO REMAIN
29. DENOTES CONCRETE WALL CONSTRUCTION

S-116 LEVEL SCHEDULE

FLOOR	NAVD 88
16TH	EL. 251'-3 7/8"

PBDW ARCHITECTS
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114–A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

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21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

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40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
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10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
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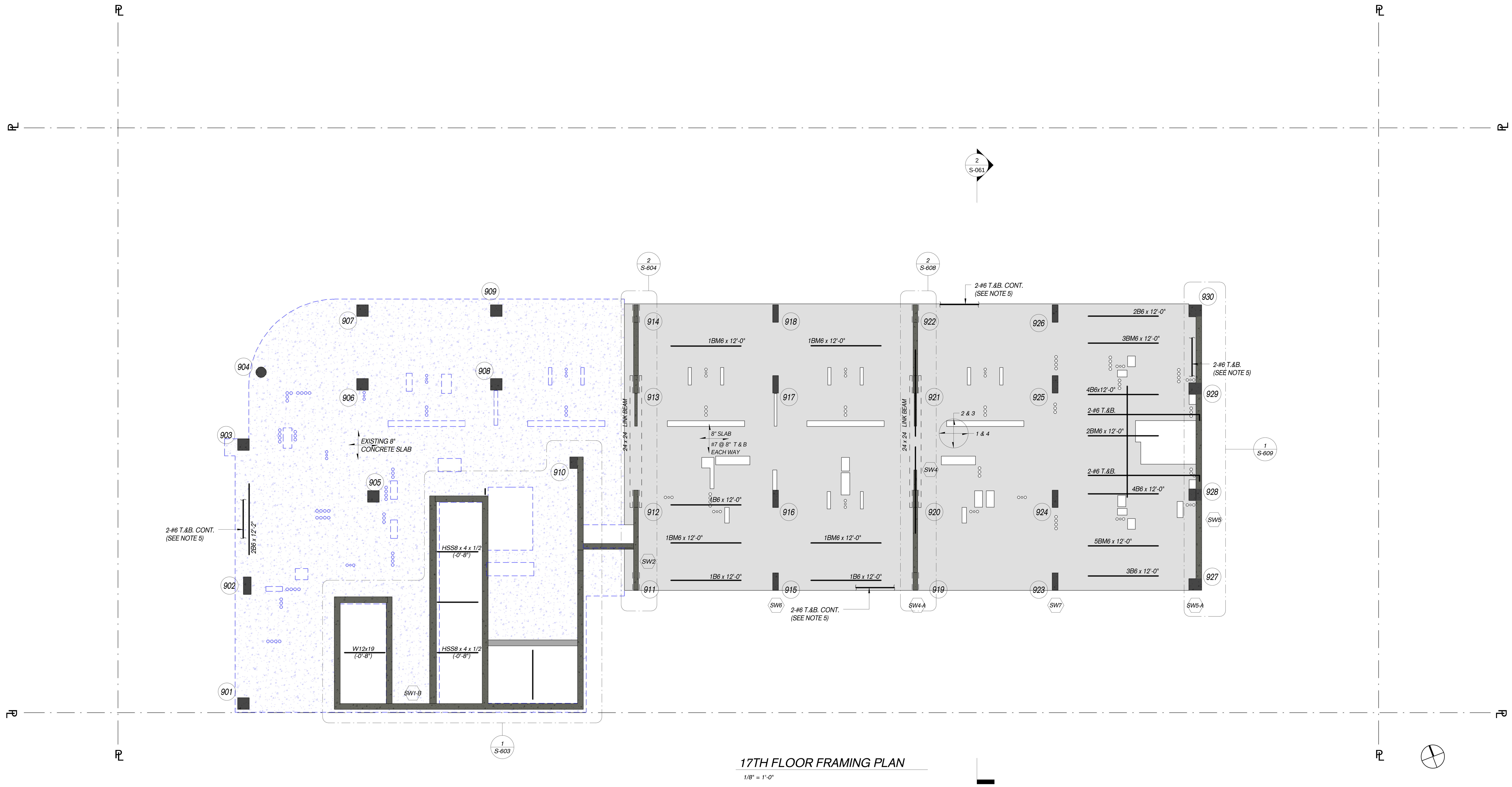
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway
New York, NY 10036

Sheet Title:
16TH FLOOR PLAN (EL 251' -3 7/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated
Signature & Seal: STATE OF NEW YORK · CAWSIE JIJINA · 060340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number: **S-116.00**



17TH FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. FLOOR DATUM EL. 212'-6" = SEE TABLE ON THIS DRAWING.
2. TOP OF CONCRETE SLAB IS SET AT DATUM ELEVATION UNLESS NOTED THUS EL.±..... FROM DATUM ELEVATION.
3. SLAB CONSTRUCTION IS 8 INCHES THICK CONCRETE FLAT SLAB REINFORCED WITH A CONTINUOUS #7 @ 8" TOP AND BOTTOM GRID PLACED AS PER THE RELEVANT CRITERIA OF ACI-318-08. OUTER REINFORCEMENT LAYERS ARE INDICATED ON THE PLAN.
4. COMPRESSIVE STRENGTH OF CONCRETE FOR SLAB IS 10,000 PSI. COMPRESSIVE STRENGTH FOR COLUMNS AND SHEAR WALLS ARE SHOWN ON THE SCHEDULES.
5. PROVIDE 2- #6 BARS TOP AND BOTTOM CONT. AT THE PERIMETER OF ALL CONCRETE FLAT PLATE FLOORS.
6. FOR COLUMN SCHEDULES SEE DRAWINGS S-501 THRU S-503. FOR BEAM SCHEDULES SEE DRAWINGS S-511.
7. ADDITIONAL INTEGRITY BARS SHALL BE PLACED ON BOTTOM GRID DIRECTLY OVER THE COLUMN IN BOTH DIRECTIONS AND SHALL EXTEND ONE THIRD OF THE SPAN LENGTH IN EACH DIRECTION. SEE TYPICAL DETAIL ON S-706 FOR SIZE AND QUANTITY.
8. FOR TYPICAL DETAILS SEE DRAWINGS S-701 THRU S-714.
9. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.
10. FOR PUNCHING SHEAR REINFORCEMENT, SEE S-521.
11. DENOTES APPROXIMATE AREA OF NEW CONCRETE INFILL/PATCH
12. DENOTES APPROXIMATE EXTENT OF NEW CONCRETE TOPPING SLAB
13. DENOTES EXISTING SLAB TO REMAIN
14. DENOTES CONCRETE SLAB CONSTRUCTION
15. DENOTES EXISTING WALL TO REMAIN
16. DENOTES CONCRETE WALL CONSTRUCTION

S-117 LEVEL SCHEDULE

FLOOR	NAV 88
17TH	EL. 261'-1 7/8"

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

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New York, NY 10121
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Project:
1568 Broadway

New York, NY 10036

Sheet Title:

17TH FLOOR PLAN (EL. 261'-1 7/8")

Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale: As indicated

Signature & Seal:

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060340
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Sheet Number: S-117.00

PBDW ARCHITECTS
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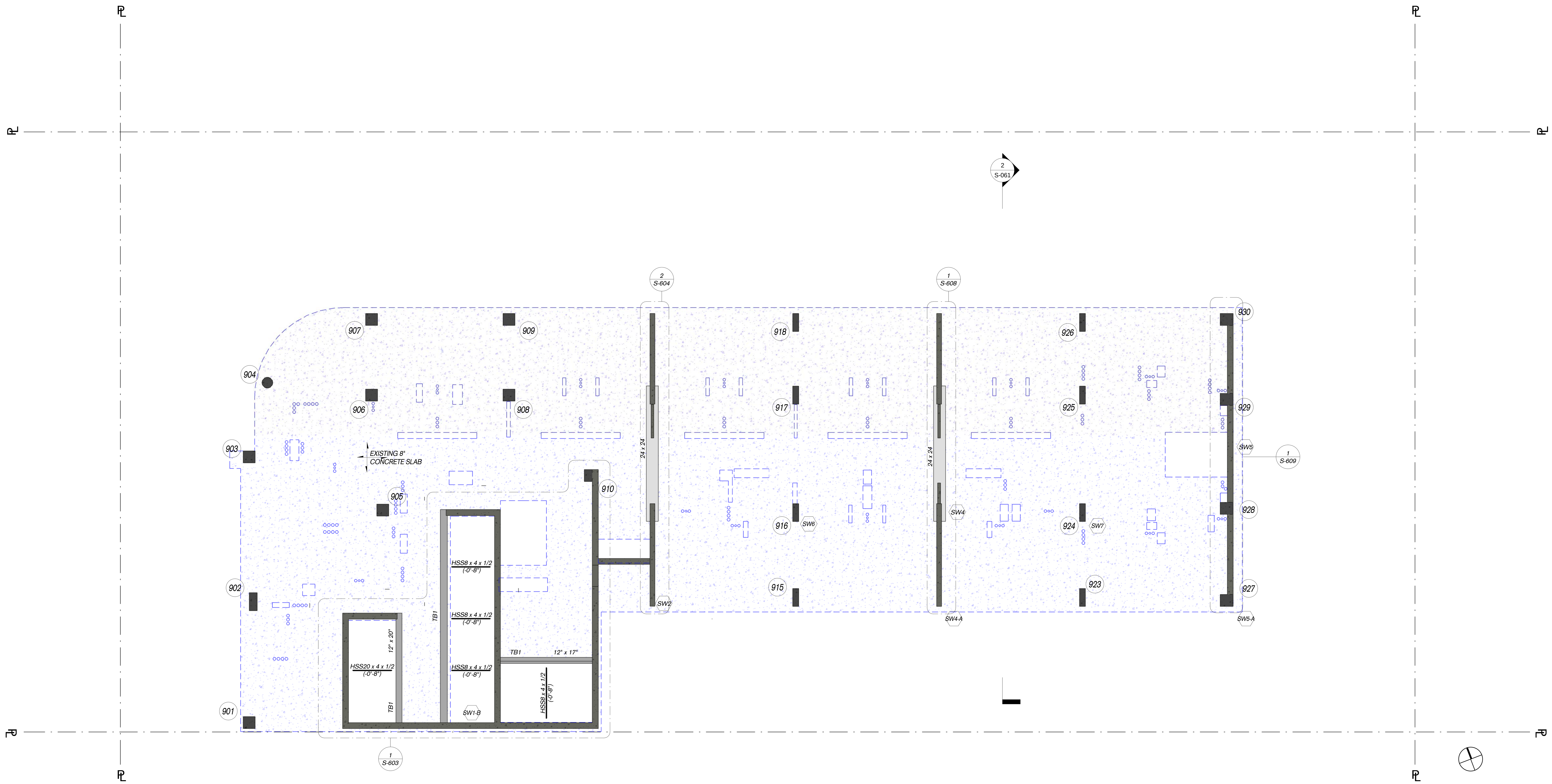

18TH FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. FLOOR DATUM EL. 220'-7 1/2" = SEE TABLE ON THIS DRAWING.
2. TOP OF CONCRETE SLAB IS SET AT DATUM ELEVATION UNLESS NOTED THUS EL.±..... FROM DATUM ELEVATION.
3. SLAB CONSTRUCTION IS 8 INCHES THICK CONCRETE FLAT SLAB REINFORCED WITH A CONTINUOUS #7 @ 8" TOP AND BOTTOM GRID PLACED AS PER THE RELEVANT CRITERIA OF ACI-318-08. OUTER REINFORCEMENT LAYERS ARE INDICATED ON THE PLAN.
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10. FOR PUNCHING SHEAR REINFORCEMENT, SEE S-521.
11. DENOTES APPROXIMATE AREA OF NEW CONCRETE INFILL/PATCH
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14. DENOTES CONCRETE SLAB CONSTRUCTION
15. DENOTES EXISTING WALL TO REMAIN
16. DENOTES CONCRETE WALL CONSTRUCTION

S-118 LEVEL SCHEDULE	
FLOOR	NAV 88
18TH	EL. 269'-3 3/8"

Roxane Tonigotta, RA
APPROVED
NYC Development Hub

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Project:
1568 Broadway
New York, NY 10036

Sheet Title:
18TH FLOOR PLAN (EL. 269' - 3 3/8")

Project Number: 13649
Drawn By: Author
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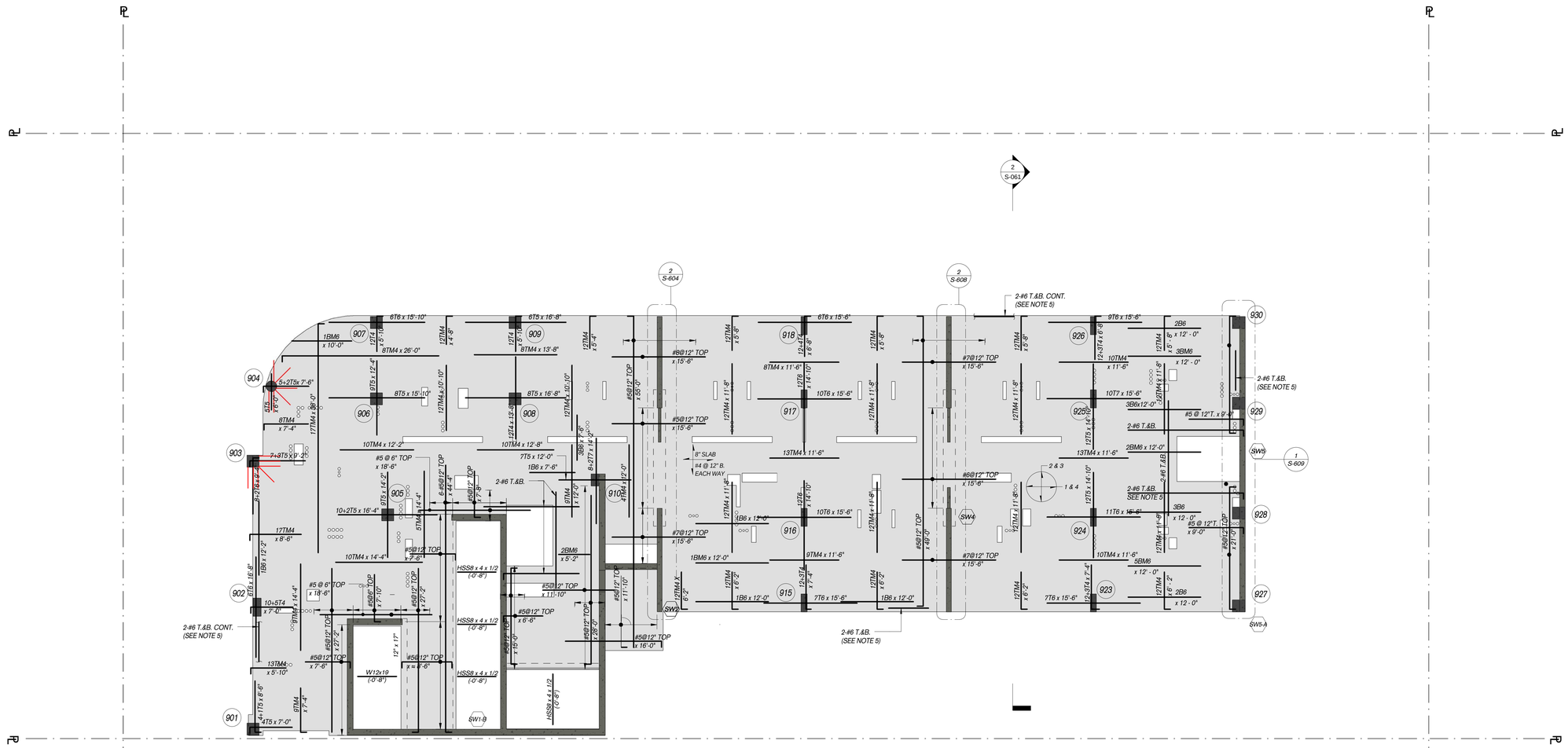
STATE OF NEW YORK
PROFESSIONAL ENGINEER
Sheet Number: S-118.00

10/11/2017 12:09:17 PM



19TH - 42ND FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. SEE TYPICAL FLOOR ELEVATIONS CHART FOR DATUM ELEVATION.
2. TOP OF CONCRETE SLAB IS SET AT DATUM ELEVATION UNLESS NOTED THUS EL. ± ..... FROM DATUM ELEVATION.
3. SLAB CONSTRUCTION IS 8 INCHES THICK CONCRETE FLAT SLAB REINFORCED WITH A CONTINUOUS #4@12" ON CENTER BOTTOM GRID PLACED AS PER THE RELEVANT CRITERIA OF ACI-318-08. OUTER REINFORCEMENT LAYERS ARE INDICATED ON THE PLAN.
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9. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.
10. FOR PUNCHING SHEAR REINFORCEMENT, SEE S-521.
11. BEAM TB1 - 3-#7 T.&B. CONT.
    2-#7 MID DEPTH
    #4 □ @ 8"
12. DENOTES APPROXIMATE AREA OF NEW CONCRETE INFILL/PATCH
13. DENOTES APPROXIMATE EXTENT OF NEW CONCRETE TOPPING SLAB
14. DENOTES EXISTING SLAB TO REMAIN
15. DENOTES CONCRETE SLAB CONSTRUCTION
16. DENOTES EXISTING WALL TO REMAIN
17. DENOTES CONCRETE WALL CONSTRUCTION

TYPICAL FLOOR ELEVATIONS

FLOOR	FLOOR DATUM	NAVD 88	COMPRESSIVE STRENGTH
19	EL. 232'-2"	EL. 280'-9 7/8"	10 ksi
20	EL. 242'-0"	EL. 290'-7 7/8"	10 ksi
21	EL. 251'-10"	EL. 300'-5 7/8"	10 ksi
22	EL. 261'-8"	EL. 310'-3 7/8"	10 ksi
23	EL. 271'-6"	EL. 320'-1 7/8"	10 ksi
24	EL. 281'-4"	EL. 329'-11 7/8"	10 ksi
25	EL. 291'-2"	EL. 339'-9 7/8"	10 ksi
26	EL. 301'-0"	EL. 349'-7 7/8"	10 ksi
27	EL. 310'-10"	EL. 359'-5 7/8"	10 ksi
28	EL. 320'-8"	EL. 369'-3 7/8"	8 ksi
29	EL. 330'-6"	EL. 379'-1 7/8"	8 ksi
30	EL. 340'-4"	EL. 388'-11 7/8"	8 ksi
31	EL. 350'-2"	EL. 398'-9 7/8"	8 ksi
32	EL. 360'-0"	EL. 408'-7 7/8"	8 ksi
33	EL. 369'-10"	EL. 418'-5 7/8"	8 ksi
34	EL. 379'-8"	EL. 428'-3 7/8"	8 ksi
35	EL. 389'-6"	EL. 438'-1 7/8"	8 ksi
36	EL. 399'-4"	EL. 447'-11 7/8"	8 ksi
37	EL. 409'-2"	EL. 457'-9 7/8"	8 ksi
38	EL. 419'-0"	EL. 467'-7 7/8"	6 ksi
39	EL. 428'-10"	EL. 477'-5 7/8"	6 ksi
40	EL. 438'-8"	EL. 487'-3 7/8"	6 ksi
41	EL. 448'-6"	EL. 497'-1 7/8"	6 ksi
42	EL. 458'-4"	EL. 506'-11 7/8"	6 ksi

Roxaine Tsirigotis, RA
APPROVED
Under Directive 14 of 1975
Date: 04/25/2016
NYC Development Hub

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
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Project:
1568 Broadway

New York, NY 10036

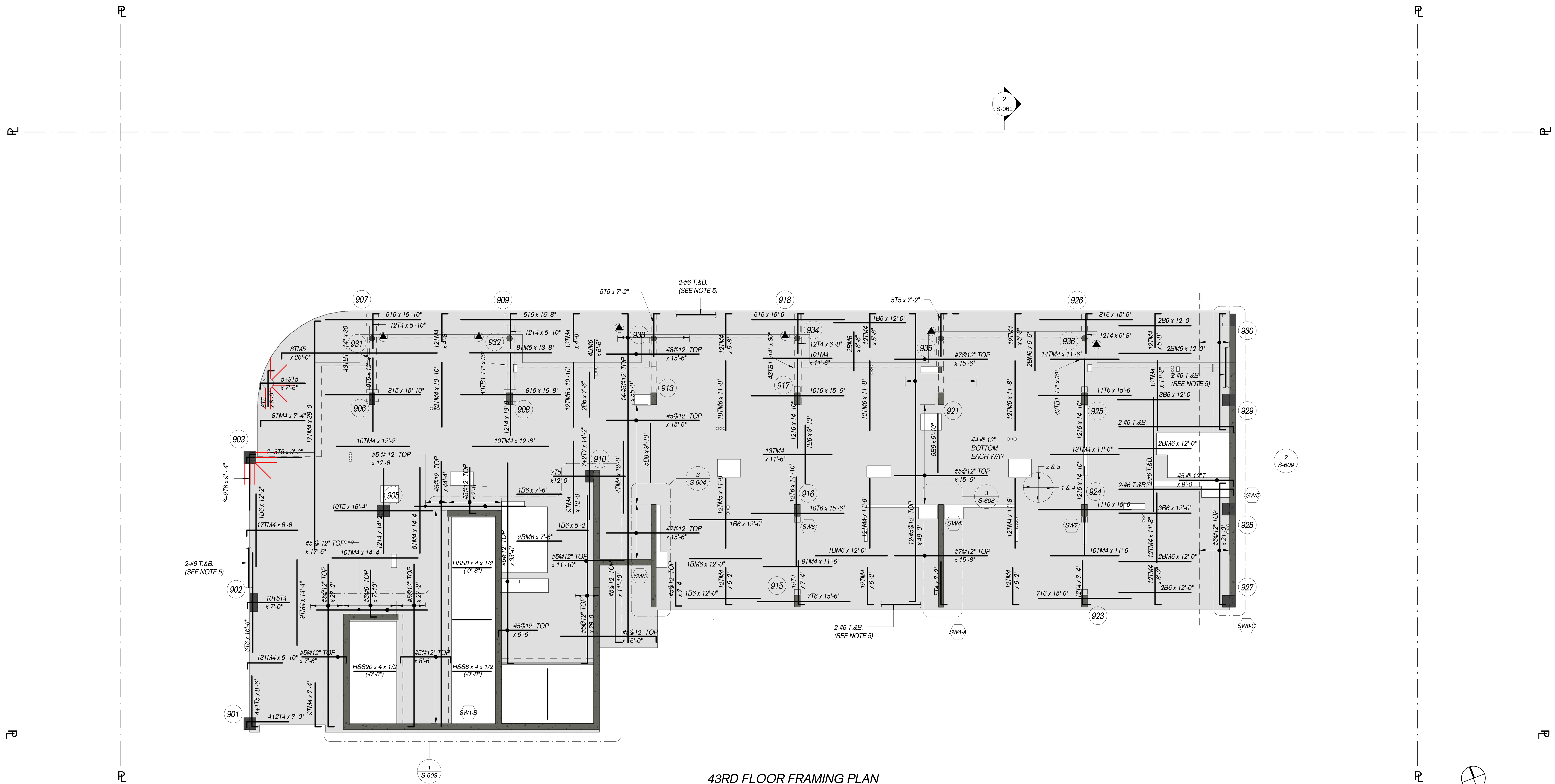
Sheet Title:
19TH TO 42ND TYPICAL FLOOR PLAN

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated

Signature & Seal:
STATE OF NEW YORK · MARIE JUDA · 040340 · REGISTERED PROFESSIONAL ENGINEER

Sheet Number:
S-119.00

10/5/2021 9:49:48 PM



43RD FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. FLOOR DATUM EL. 470'-0" = SEE TABLE ON THIS DRAWING.
2. TOP OF CONCRETE SLAB IS SET AT DATUM ELEVATION UNLESS NOTED THUS EL.±..... FROM DATUM ELEVATION.
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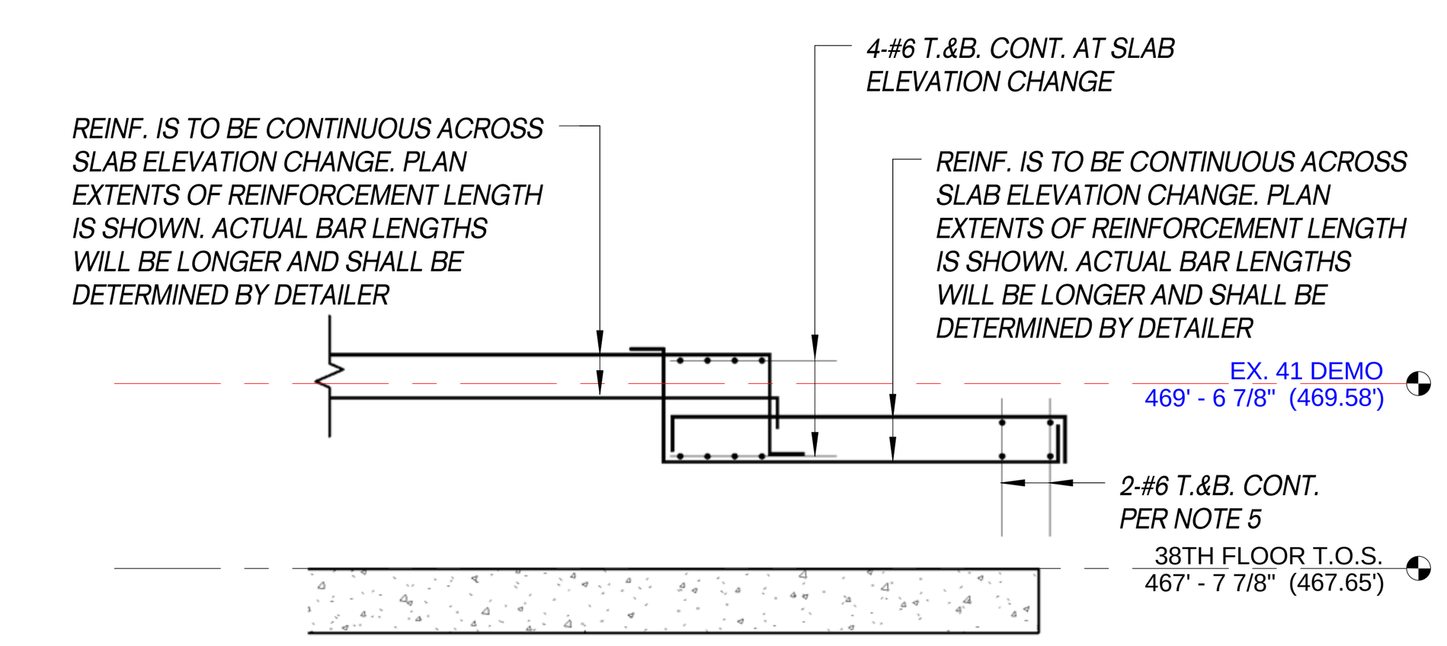

Section 136

1/2" = 1'-0"

Roxane Tsirigotis, RA
APPROVED Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

S-119 LEVEL SCHEDULE	
FLOOR	NAVD 88
43RD	EL. 518'-7 7/8"

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New York, NY 10036

Sheet Title:
43RD FLOOR PLAN (EL 518'-7 7/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated

Signature & Seal: STATE OF NEW YORK — CAWSIE JIJINA — 060340 — LICENSED PROFESSIONAL ENGINEER

Sheet Number: **S-120.00**

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

Design 2147 Limited | Code Consultant
52 Diamond Street, Brooklyn, NY 11222
718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

Theatre Projects Consultants | Theater Consultant
47 Water Street
South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

Fisher Marantz Stone | Lighting Design
22 West 19th Street, Floor 6
New York, NY 10011
212 691 3020 | fmsp.com

Jaffe Holden | Acoustic Consultant
114-A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering | Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

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242 West 30th Street, Level 2
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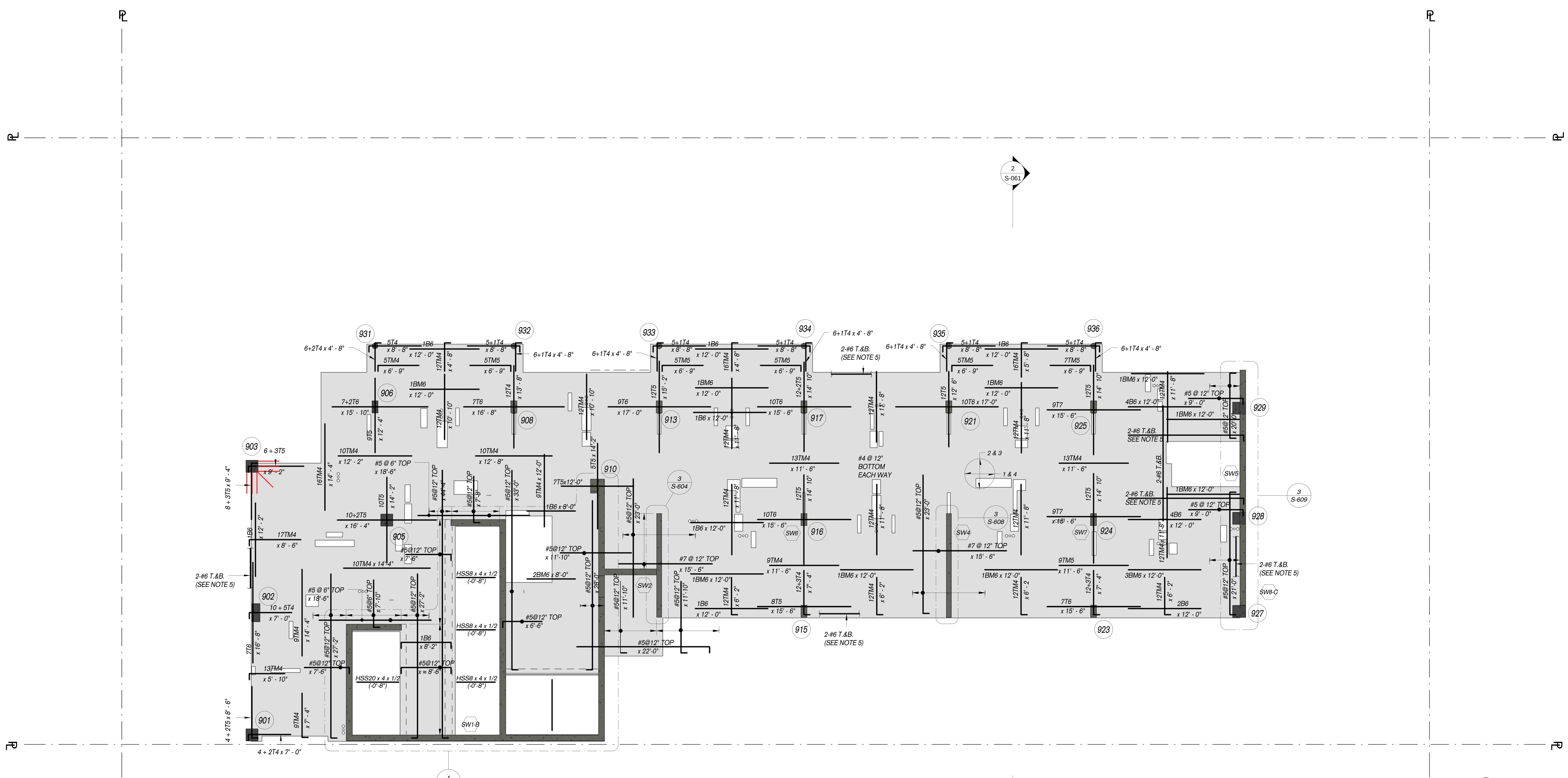
212.209.1536



44-45TH FLOOR FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. SEE FLOOR ELEVATIONS CHART FOR DATUM ELEVATION.
2. TOP OF CONCRETE SLAB IS SET AT DATUM ELEVATION UNLESS NOTED THUS EL ± FROM DATUM ELEVATION.
3. SLAB CONSTRUCTION IS 8 INCHES THICK CONCRETE FLAT SLAB REINFORCED WITH A CONTINUOUS #4@12" ON CENTER BOTTOM GRID PLACED AS PER THE RELEVANT CRITERIA OF ACI-318-08. OUTER REINFORCEMENT LAYERS ARE INDICATED ON THE PLAN.
4. COMPRESSIVE STRENGTH OF CONCRETE FOR SLAB IS 6,000 PSI. COMPRESSIVE STRENGTH FOR COLUMNS AND SHEAR WALLS ARE SHOWN ON THE SCHEDULES.
5. PROVIDE 2- #6 BARS TOP AND BOTTOM AT THE PERIMETER OF ALL CONCRETE FLAT PLATE FLOORS.
6. FOR COLUMN SCHEDULES SEE DRAWINGS S-501 THRU S-503. FOR BEAM SCHEDULES SEE DRAWINGS S-511.
7. ADDITIONAL INTEGRITY BARS SHALL BE PLACED ON BOTTOM GRID DIRECTLY OVER THE COLUMN IN BOTH DIRECTIONS AND SHALL EXTEND ONE THIRD OF THE SPAN LENGTH IN EACH DIRECTION. SEE TYPICAL DETAIL ON S-706 FOR SIZE AND QUANTITY.
8. FOR TYPICAL DETAILS SEE DRAWINGS S-701 THRU S-714.
9. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.
10. FOR PUNCHING SHEAR REINFORCEMENT, SEE S-521.
11. DENOTES APPROXIMATE AREA OF NEW CONCRETE INFILL/PATCH
12. DENOTES APPROXIMATE EXTENT OF NEW CONCRETE TOPPING SLAB
13. DENOTES EXISTING SLAB TO REMAIN
14. DENOTES CONCRETE SLAB CONSTRUCTION
15. DENOTES EXISTING WALL TO REMAIN
16. DENOTES CONCRETE WALL CONSTRUCTION

FLOOR ELEVATIONS		
FLOOR	FLOOR DATUM	NAV 88
17	EL. 212'-6"	EL. 261'-1 7/8"
18	EL. 222'-4"	EL. 270'-11 7/8"

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04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
44-45TH TYPICAL FLOOR PLAN

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated

Signature & Seal:

Sheet Number:
S-121.00

10/5/2017 6:47:05 PM

46TH FLOOR FRAMING PLAN MEP

1/8" = 1'-0"

NOTES:

1. FLOOR DATUM EL. 505'-0" = SEE TABLE ON THIS DRAWING.
2. TOP OF CONCRETE SLAB IS DATUM ELEVATION UNLESS SHOWN THUS EL.±..... ON PLAN.
3. FLOOR CONSTRUCTION SHALL BE 10" THICK CONCRETE FLAT PLATE REINFORCED WITH A CONTINUOUS #5 @ 12" ON CENTER EACH WAY BOTTOM GRID AND #6 @ 12" ON CENTER EACH WAY TOP GRID WITH ADDITIONAL BARS AS NOTED ON PLAN UNLESS OTHERWISE NOTED. ALL REINFORCEMENT TO BE PLACED AS PER THE RELEVANT CRITERIA OF ACI 318-08.
4. COMPRESSIVE STRENGTH OF CONCRETE FOR SLAB IS 6,000 PSI. COMPRESSIVE STRENGTH FOR COLUMNS AND SHEAR WALLS ARE SHOWN ON THE SCHEDULES.
5. PROVIDE 2- #6 BARS TOP AND BOTTOM AT THE PERIMETER OF ALL CONCRETE FLAT PLATE FLOORS.
6. FOR COLUMN SCHEDULES SEE DRAWINGS S-501 THRU S-503. FOR BEAM SCHEDULES SEE DRAWINGS S-511.
7. ADDITIONAL INTEGRITY BARS SHALL BE PLACED ON BOTTOM GRID DIRECTLY OVER THE COLUMN IN BOTH DIRECTIONS AND SHALL EXTEND ON THIRD OF THE SPAN LENGTH IN EACH DIRECTION. SEE TYPICAL DETAIL ON S-706 FOR SIZE AND QUANTITY.
8. FOR PUNCHING SHEAR REINFORCEMENT, SEE S-521.
9. FOR TYPICAL DETAILS SEE DRAWINGS S-701 THRU S-714.
10. FOR GENERAL NOTES SEE DRAWINGS S-721 AND S-722.
11. DENOTES COLUMN BELOW ONLY.
12. DENOTES COLUMN ABOVE ONLY.
13. DENOTES APPROXIMATE AREA OF NEW CONCRETE INFILL/PATCH
14. DENOTES APPROXIMATE EXTENT OF NEW CONCRETE TOPPING SLAB
15. DENOTES EXISTING SLAB TO REMAIN
16. DENOTES CONCRETE SLAB CONSTRUCTION
17. DENOTES EXISTING WALL TO REMAIN
18. DENOTES CONCRETE WALL CONSTRUCTION

S-121 LEVEL SCHEDULE	
FLOOR	NAVD 88
46TH	EL. 553'-7 7/8"

Roxane Tsirigotis, RA
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
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718.383.9340 | design2147.com

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884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

Theatre Projects Consultants | Theater Consultant
47 Water Street
South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

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22 West 19th Street, Floor 6
New York, NY 10011
212 691 3020 | fmsp.com

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114–A Washington Street
Norwalk, CT 06854
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55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
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212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

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New York, NY 10001
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04.08.2016	4	100% SCHEMATIC DESIGN

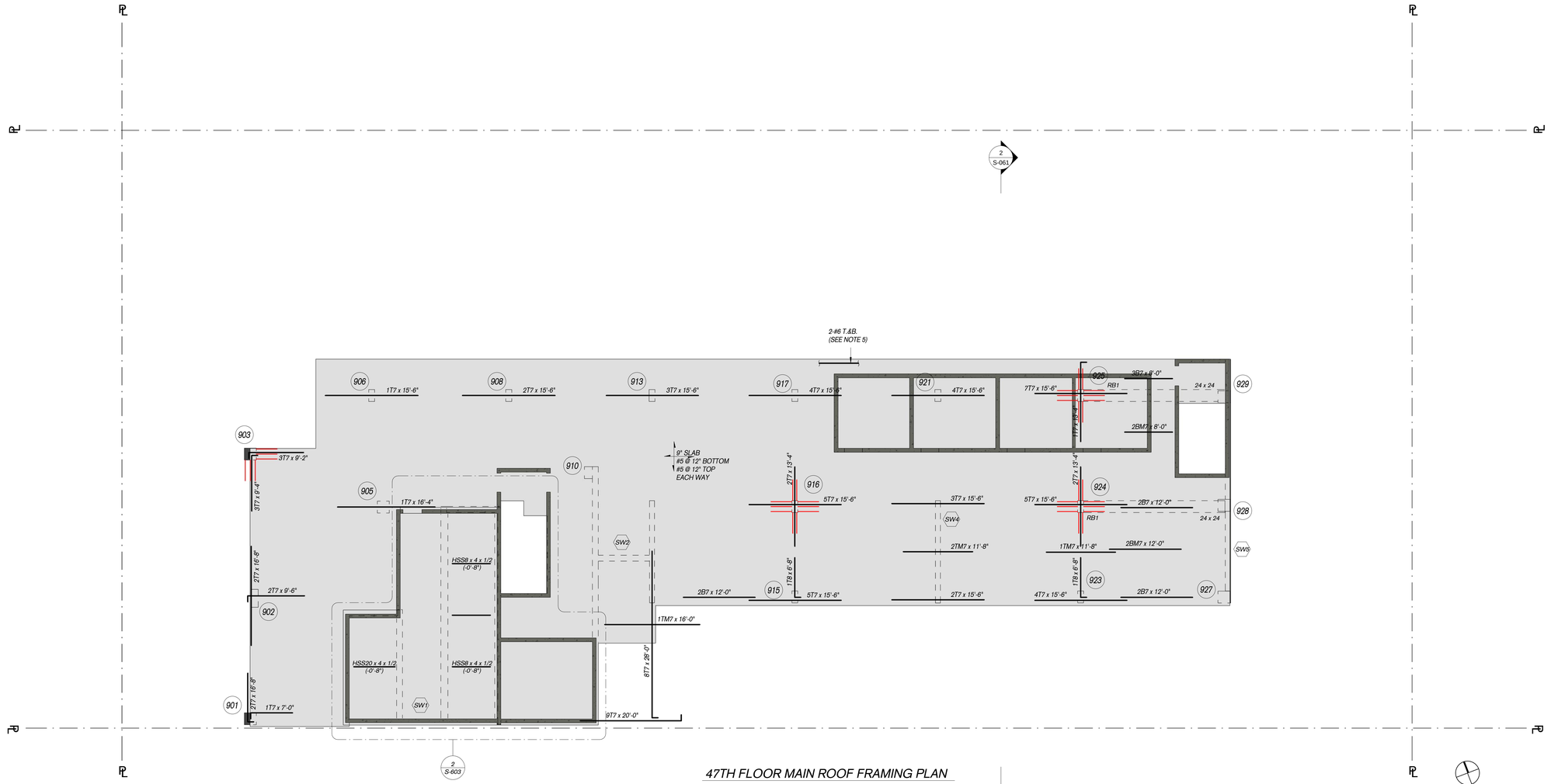
Project:
1568 Broadway
New York, NY 10036

Sheet Title:
46TH FLOOR PLAN (EL 553'-7 7/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated

Signature & Seal:
STATE OF NEW YORK
CAWSIE JIJINA
060340
LICENSED PROFESSIONAL ENGINEER

Sheet Number: S-122.00



2 S-061

2 S-603

47TH FLOOR MAIN ROOF FRAMING PLAN

1/8" = 1'-0"

NOTES:

1. FLOOR DATUM EL. 521'-4" = SEE TABLE ON THIS DRAWING.
2. TOP OF CONCRETE SLAB IS AT DATUM ELEVATION UNLESS SHOWN THUS EL. ± .... ON PLAN.
3. FLOOR CONSTRUCTION SHALL BE 9" THICK CONCRETE FLAT PLATE REINFORCED WITH A CONTINUOUS #5 @ 12" ON CENTER EACH WAY TOP AND BOTTOM GRID WITH ADDITIONAL BARS AS NOTED ON PLAN UNLESS OTHERWISE NOTED. ALL REINFORCEMENT TO BE PLACED AS PER THE RELEVANT CRITERIA OF ACI 318-08.
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18. DENOTES CONCRETE WALL CONSTRUCTION

S-122 LEVEL SCHEDULE	
FLOOR	NAVD 88
MAIN ROOF	EL. 569'-11 7/8"

Roxane Tsirigotis, RA
APPROVED
Date: 04/29/2016
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PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

Design 2147 Limited | Code Consultant
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718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
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South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

Fisher Marantz Stone | Lighting Design
22 West 19th Street, Floor 6
New York, NY 10011
212 691 3020 | fmsp.com

Jaffe Holden | Acoustic Consultant
114-A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

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Project:
1568 Broadway

New York, NY 10036

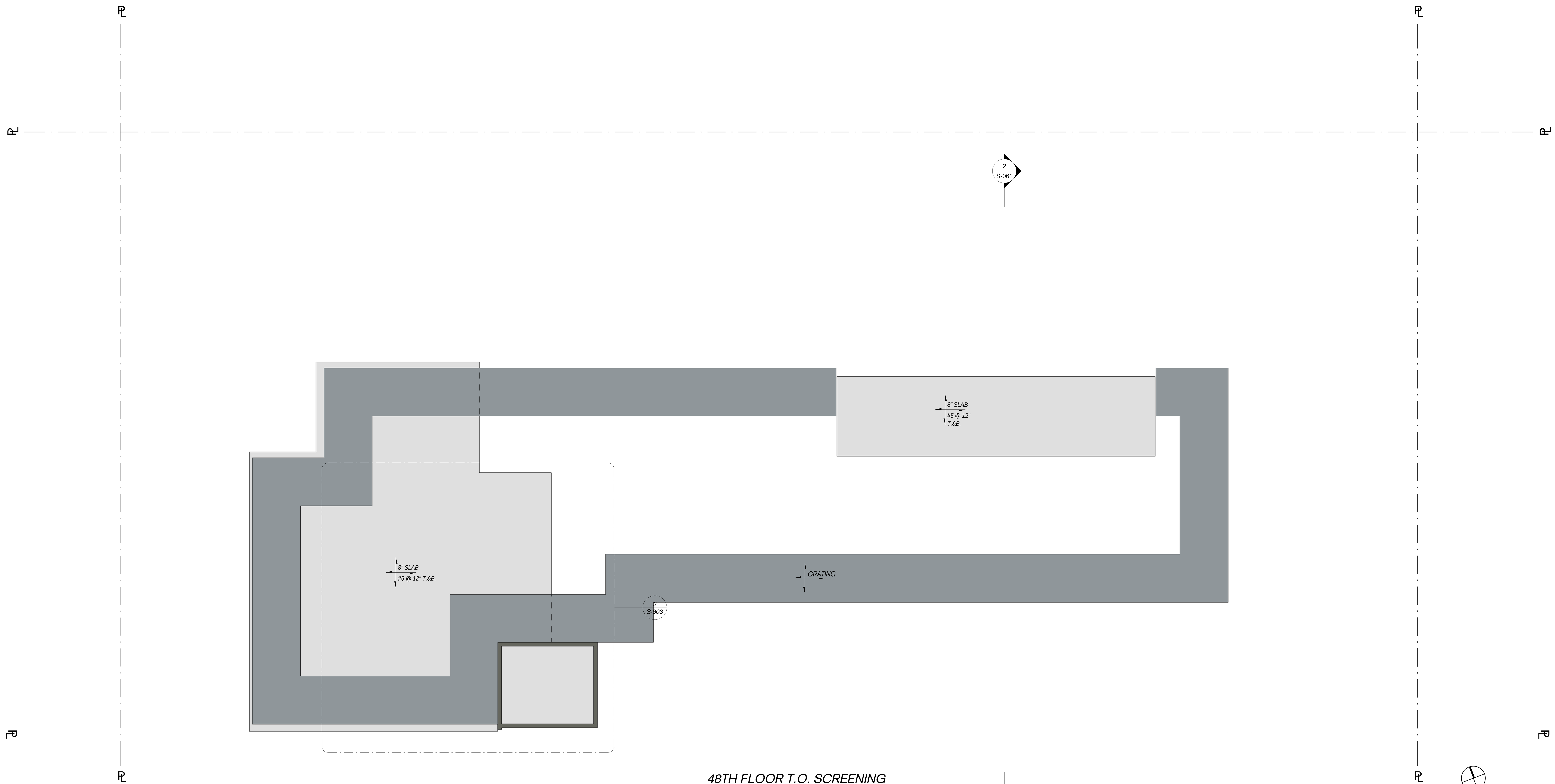
Sheet Title:
MAIN ROOF PLAN (EL 569'-11 7/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated

Signature & Seal:

Sheet Number:
S-123.00

10/5/2017 4:47:28 PM



48TH FLOOR T.O. SCREENING

1/8" = 1'-0"

NOTES:

1. DENOTES APPROXIMATE AREA OF NEW CONCRETE INFILL/PATCH
4. DENOTES APPROXIMATE EXTENT OF NEW CONCRETE TOPPING SLAB
5. DENOTES EXISTING SLAB TO REMAIN
6. DENOTES CONCRETE SLAB CONSTRUCTION
7. DENOTES EXISTING WALL TO REMAIN
8. DENOTES CONCRETE WALL CONSTRUCTION

S-123 LEVEL SCHEDULE

FLOOR	NAVD 88
TOP OF SCREENING	EL. 592'-11 7/8"

Roxane Tsirigotis, RA
Buildings
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

Theatre Projects Consultants | Theater Consultant
47 Water Street
South Norwalk, Connecticut 068541
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Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
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New York, NY 10001
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07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
48TH FLOOR T.O. SCREENING (EL 592'-11 7/8")

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: As indicated

Signature & Seal:
STATE OF NEW YORK
CAWSIE JIJINA
060340
LICENSED PROFESSIONAL ENGINEER

Sheet Number:
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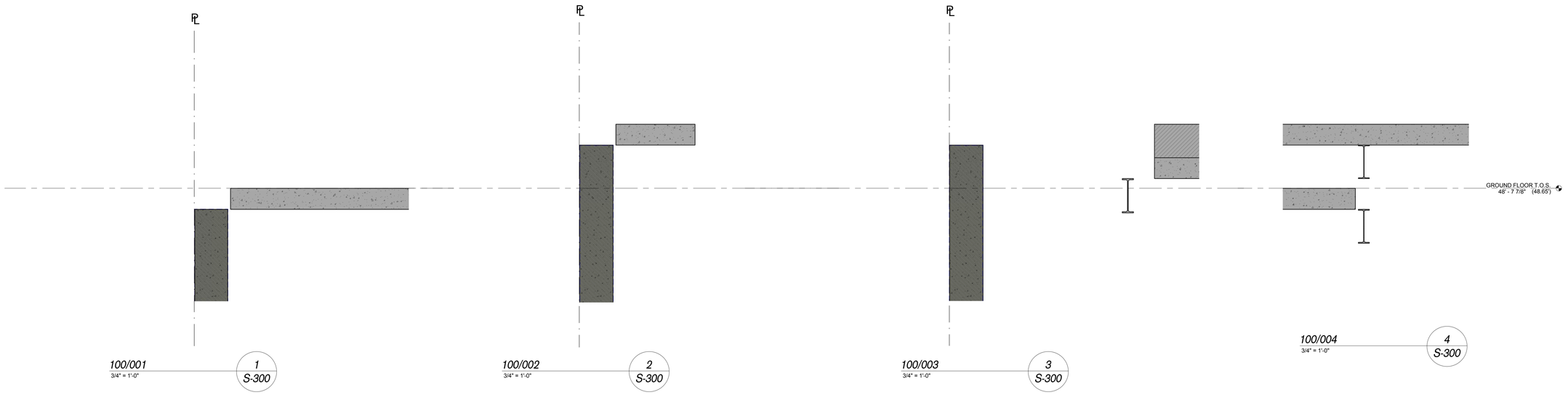
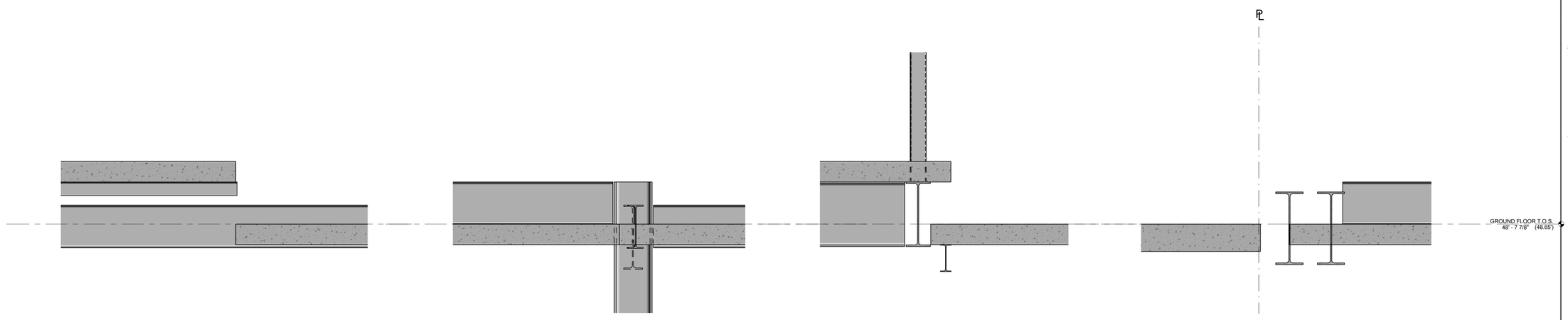


100/001 — 1 / S-300 — 3/4" = 1'-0"

100/002 — 2 / S-300 — 3/4" = 1'-0"

100/003 — 3 / S-300 — 3/4" = 1'-0"

100/004 — 4 / S-300 — 3/4" = 1'-0"

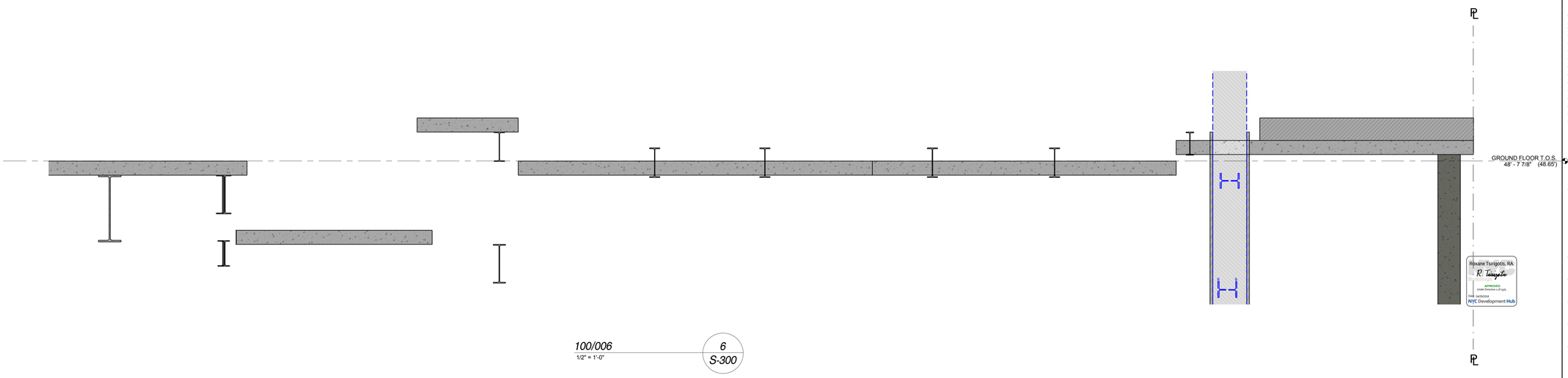


100/005 — 5 / S-300 — 3/4" = 1'-0"

100/007 — 7 / S-300 — 3/4" = 1'-0"

100/008 — 8 / S-300 — 3/4" = 1'-0"

100/009 — 9 / S-300 — 3/4" = 1'-0"



100/006 — 6 / S-300 — 1/2" = 1'-0"

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

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Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
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New York, NY 10001
212.209.1536

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09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

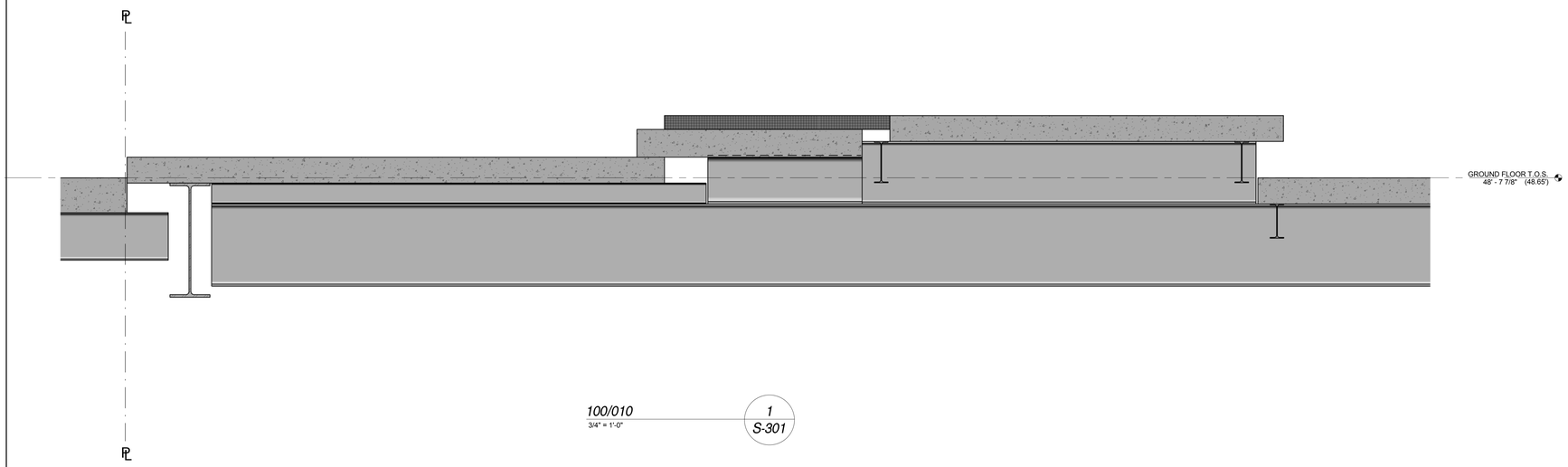
Project:
1568 Broadway

New York, NY 10036

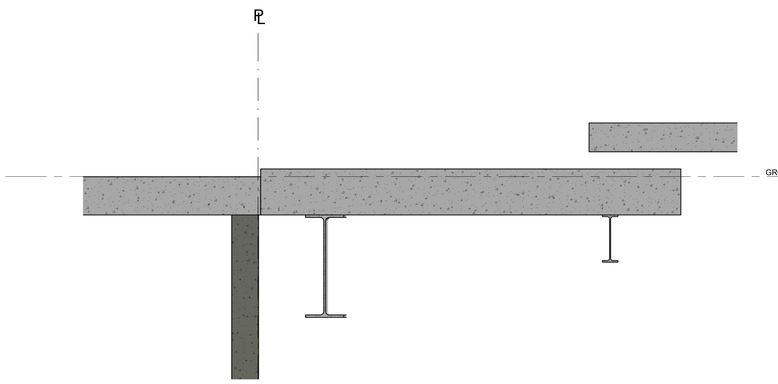
Sheet Title:
STEEL SECTIONS I

Project Number: 13649	Signature & Seal:
Drawn By: Author	
Checked By: Checker	
Scale: As indicated	
Sheet Number: S-300.00	
NYC DOB Number:	Sheet: of

12/29/2016 11:23:05 AM



100/010
3/4" = 1'-0"
1
S-301



100/011
3/4" = 1'-0"
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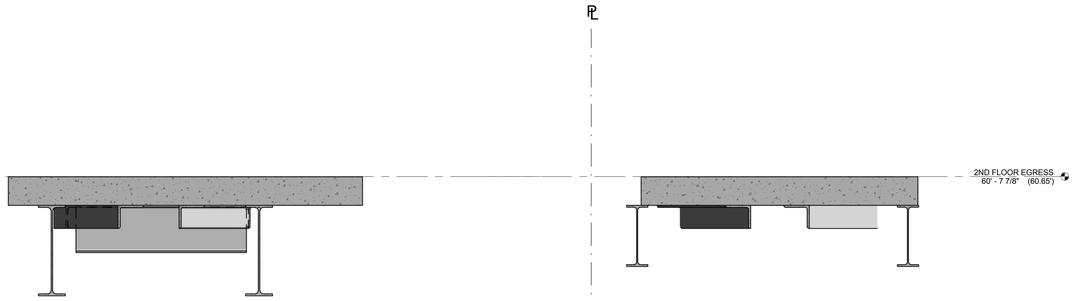
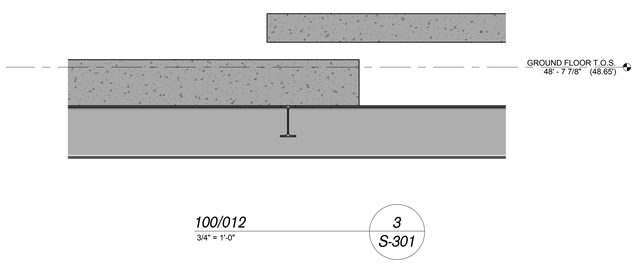
S-301



200/001
3/4" = 1'-0"
4
S-301

200/002
3/4" = 1'-0"
5
S-301



100/012
3/4" = 1'-0"
3
S-301

200/003
3/4" = 1'-0"
6
S-301

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New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
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New York City, New York 10005
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212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
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11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway
New York, NY 10036

Sheet Title:
STEEL SECTIONS II

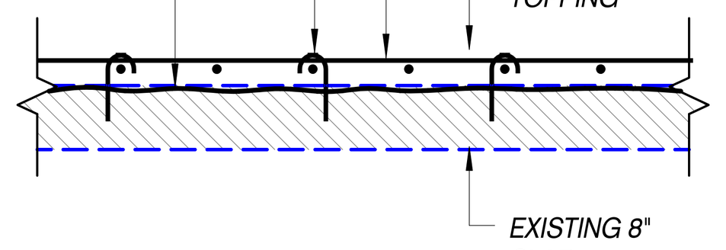
Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: 3/4" = 1'-0"

Signature & Seal:

Sheet Number:
S-301.00

NYC DOB Number:
Sheet: of

12/29/2016 11:23:22 AM



SECTION 1 / S-311

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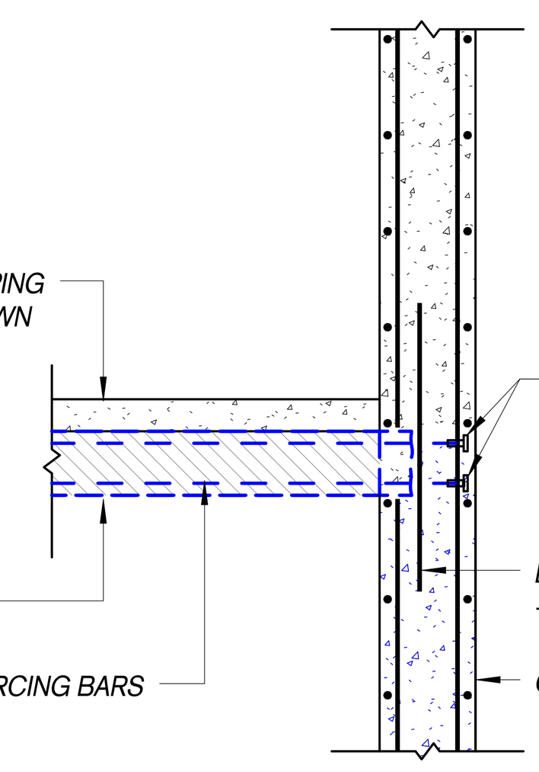

SECTION 2 / S-311

1/2" = 1'-0"

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275 Seventh Avenue
New York, NY 10001
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10.14.2016	11	TA RESUBMITTAL CHECK SET
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09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

New York, NY 10036

Sheet Title:

SUPERSTRUCTURE CONCRETE SECTIONS I

Project Number: 13649

Drawn By: SNH/JBA

Checked By: CJ

Scale: 1/2" = 1'-0"

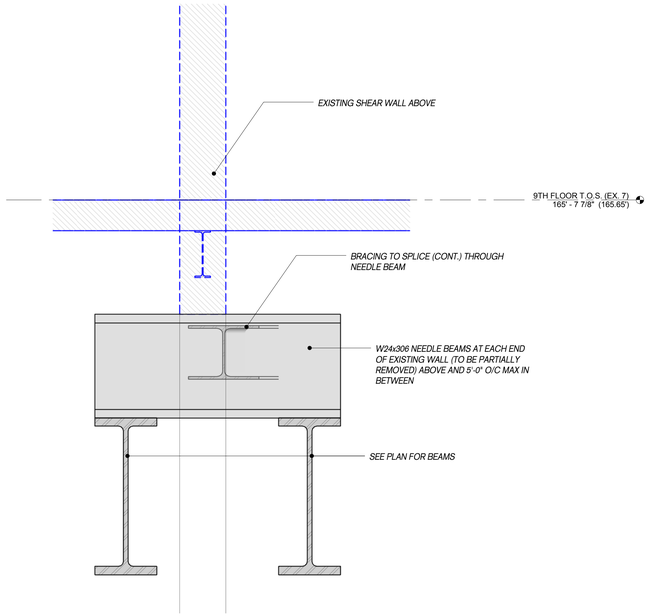
Signature & Seal:

STATE OF NEW YORK · CAWSIE JIJINA · 060340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number: S-311.00

NYC DOB Number:

Sheet: of



SECTION 1 S-351
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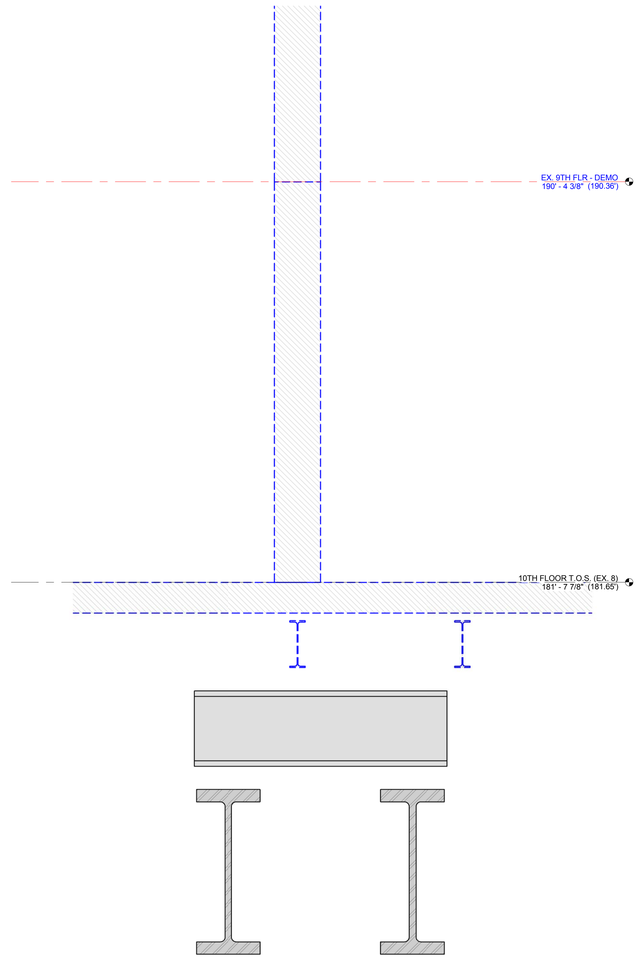

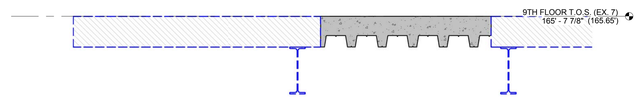

SECTIONS 2 S-351
3/4" = 1'-0"

Roxane Tsirigotis, RA
APPROVED
Under Directive 14 1975
Date: 04/25/2016
NYC Development Hub

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Platt Byard Dovell White Architects LLP
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Mancini Duffy | Architect of Record
275 Seventh Avenue
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469 Seventh Avenue, 9th Floor
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10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
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Project:
1568 Broadway

New York, NY 10036

Sheet Title:
SUPERSTRUCTURE TRANSFER SECTIONS - I

Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: 3/4" = 1'-0"

Signature & Seal:
STATE OF NEW YORK · JANNIE JUNG · 040340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number:
S-351.00

NYC DOB Number:
Sheet: of

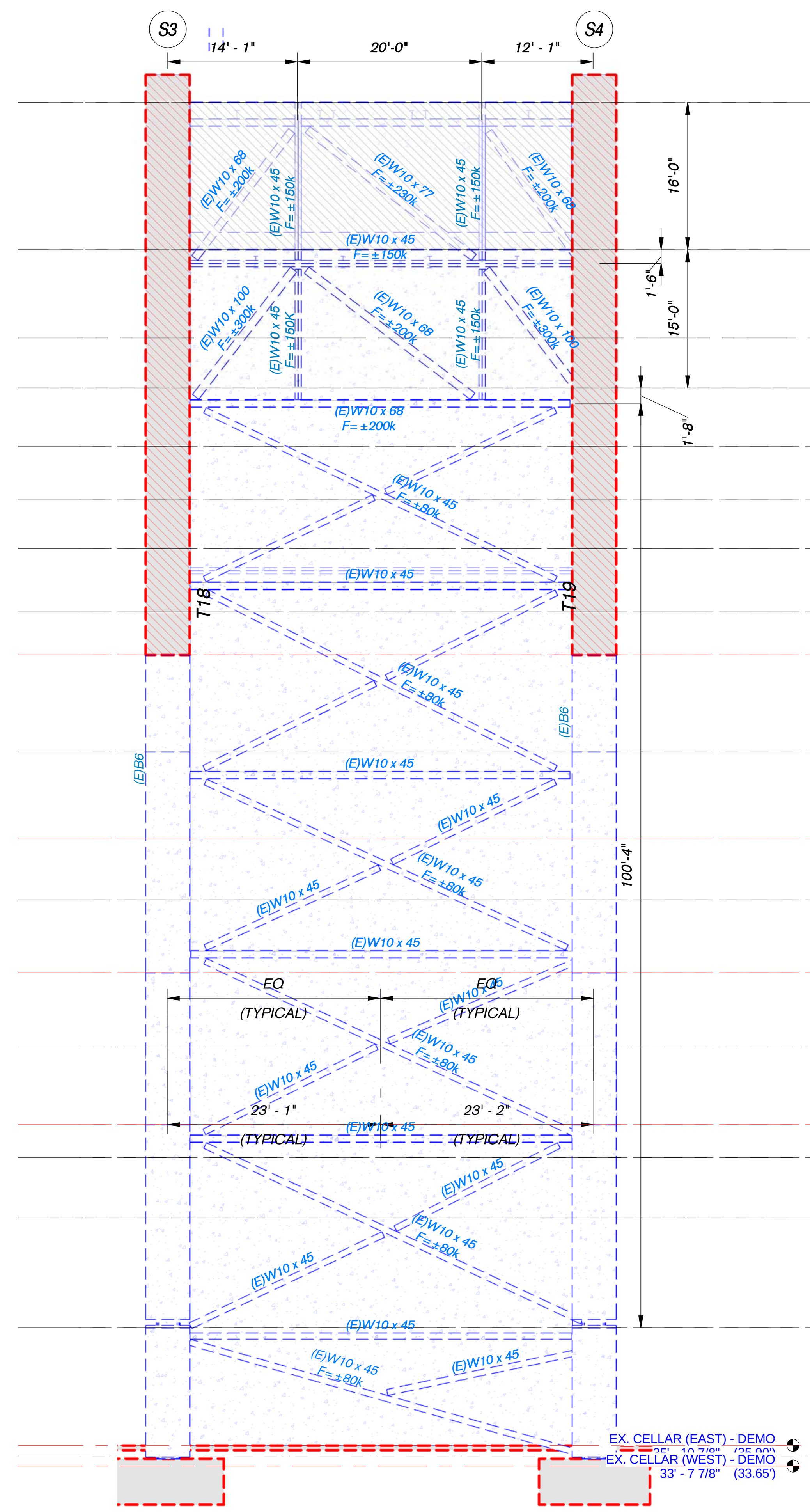
12/29/2016 1:23:26 AM

LEGEND:

EXISTING STRUCTURE TO BE DEMOLISHED

EXISTING STRUCTURE TO REMAIN

NEW CONSTRUCTION



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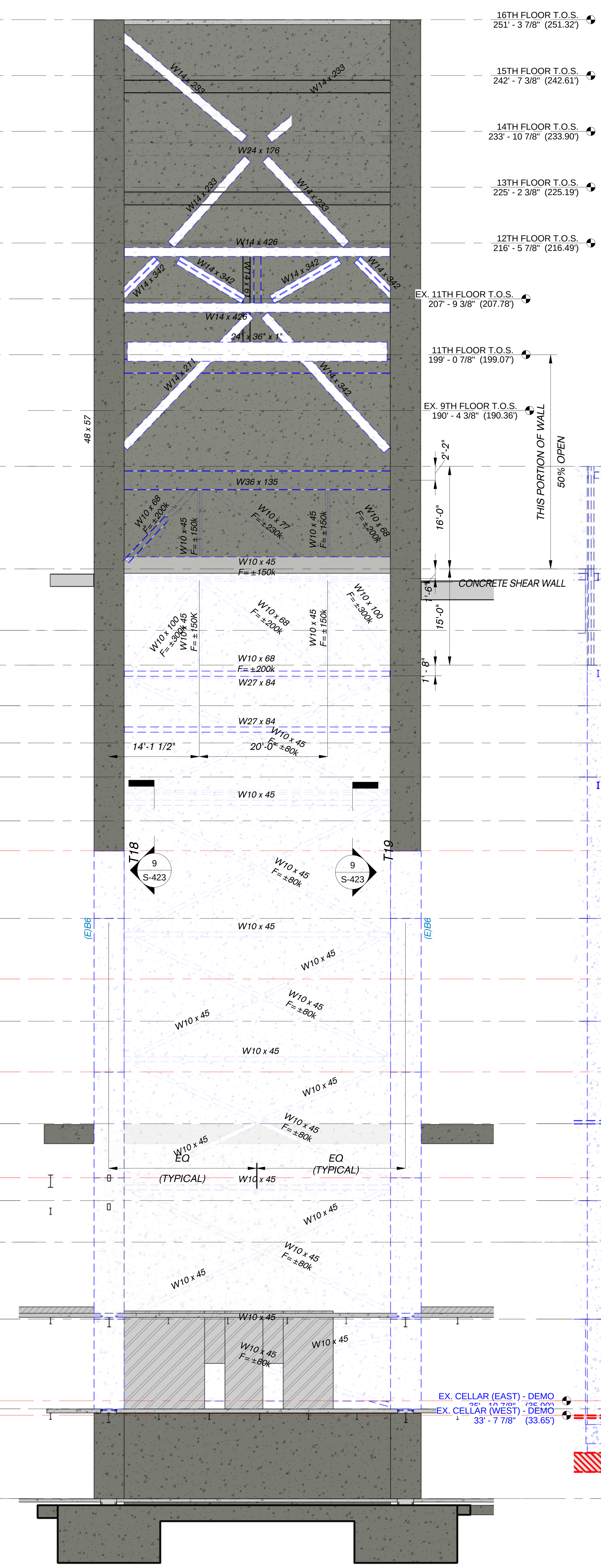

TRUSS T-1 - EXISTING & NEW

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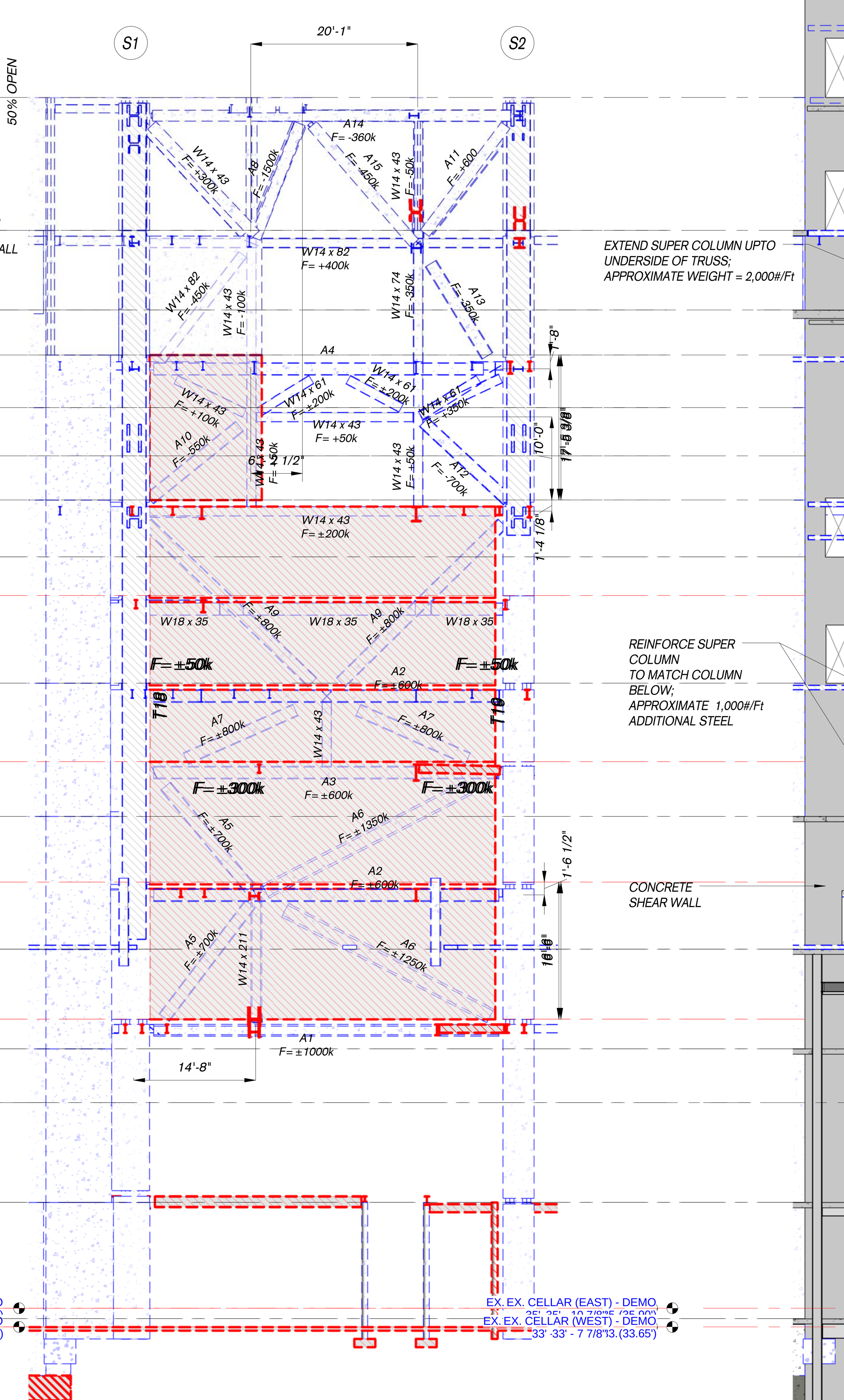

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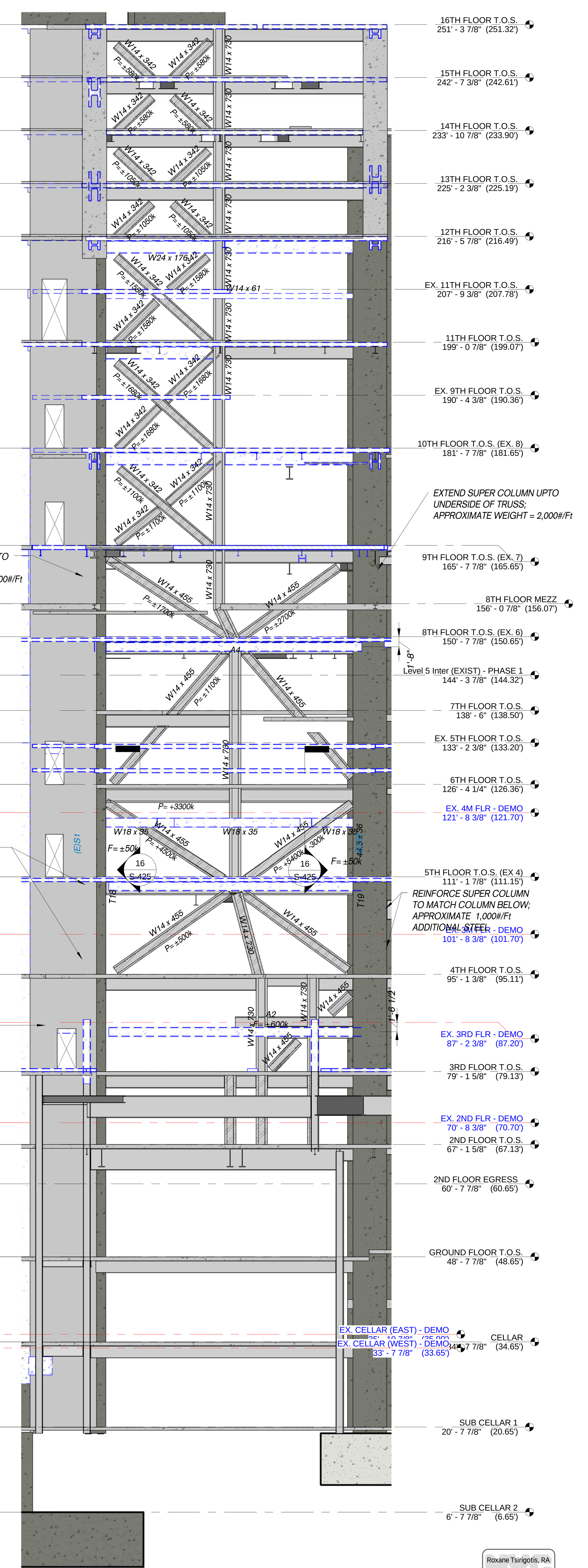

TRUSS T-2 - EXISTING & NEW

3/32" = 1'-0"

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Mancini Duffy | Architect of Record
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New York, NY 10001
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10.14.2016	11	TA RESUBMITTAL CHECK SET
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07.15.2016	7	50% DESIGN DEVELOPMENT
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04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

New York, NY 10036

Sheet Title:

TRUSS ELEVATIONS I

Project Number: 13649

Drawn By: SNH/JBA

Checked By: CJ

Scale: As indicated

Signature & Seal:

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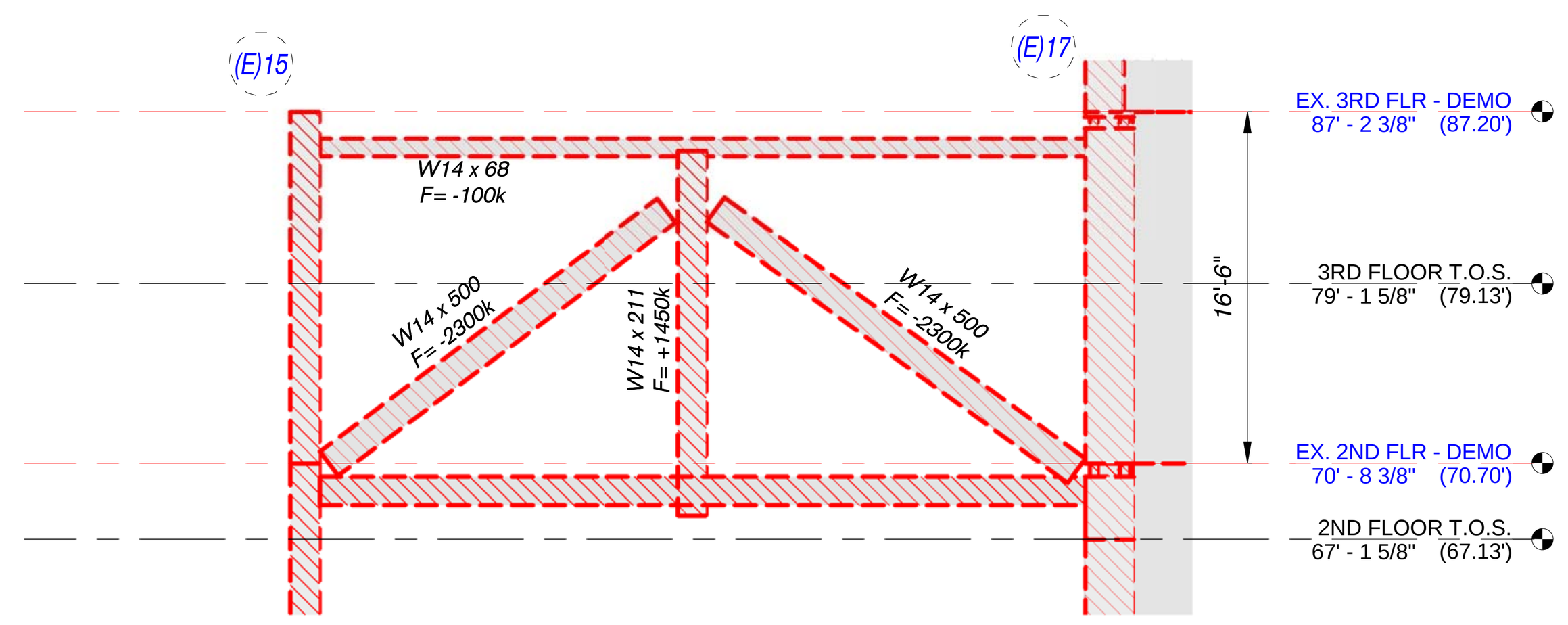
Roxane Tsingotis, RA

NYC Development Hub

Sheet Number: S-401.00

8/7/2017 6:33:45 PM



TRUSS T-3

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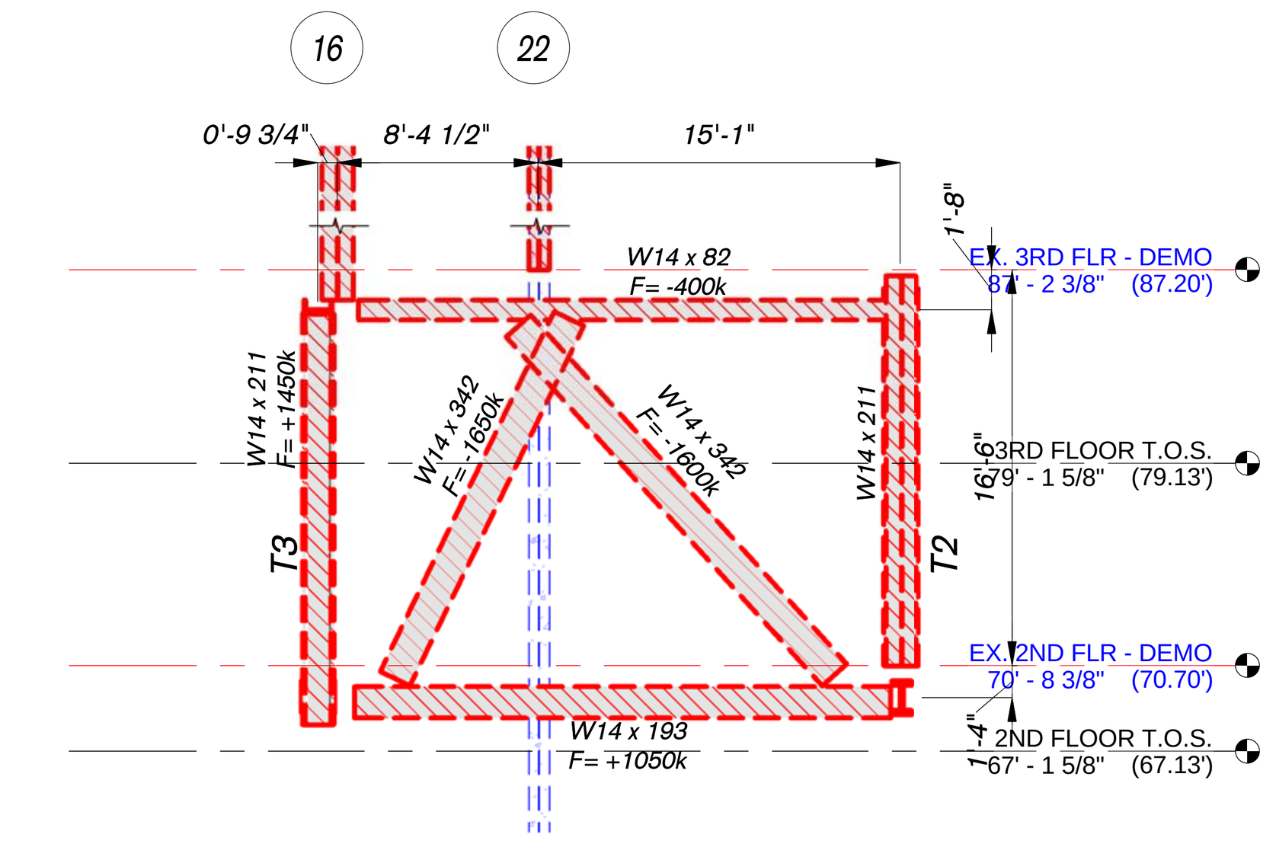

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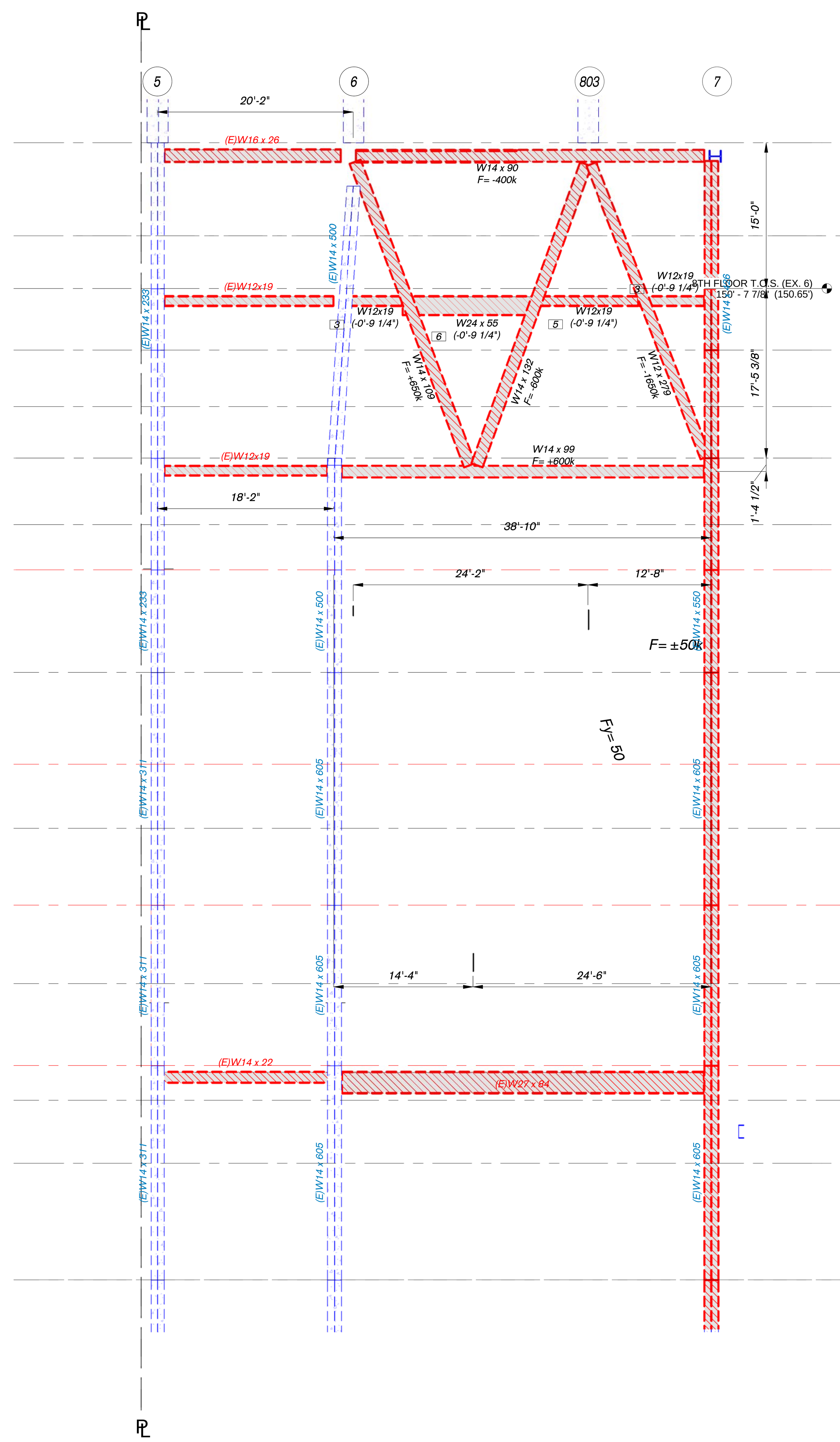
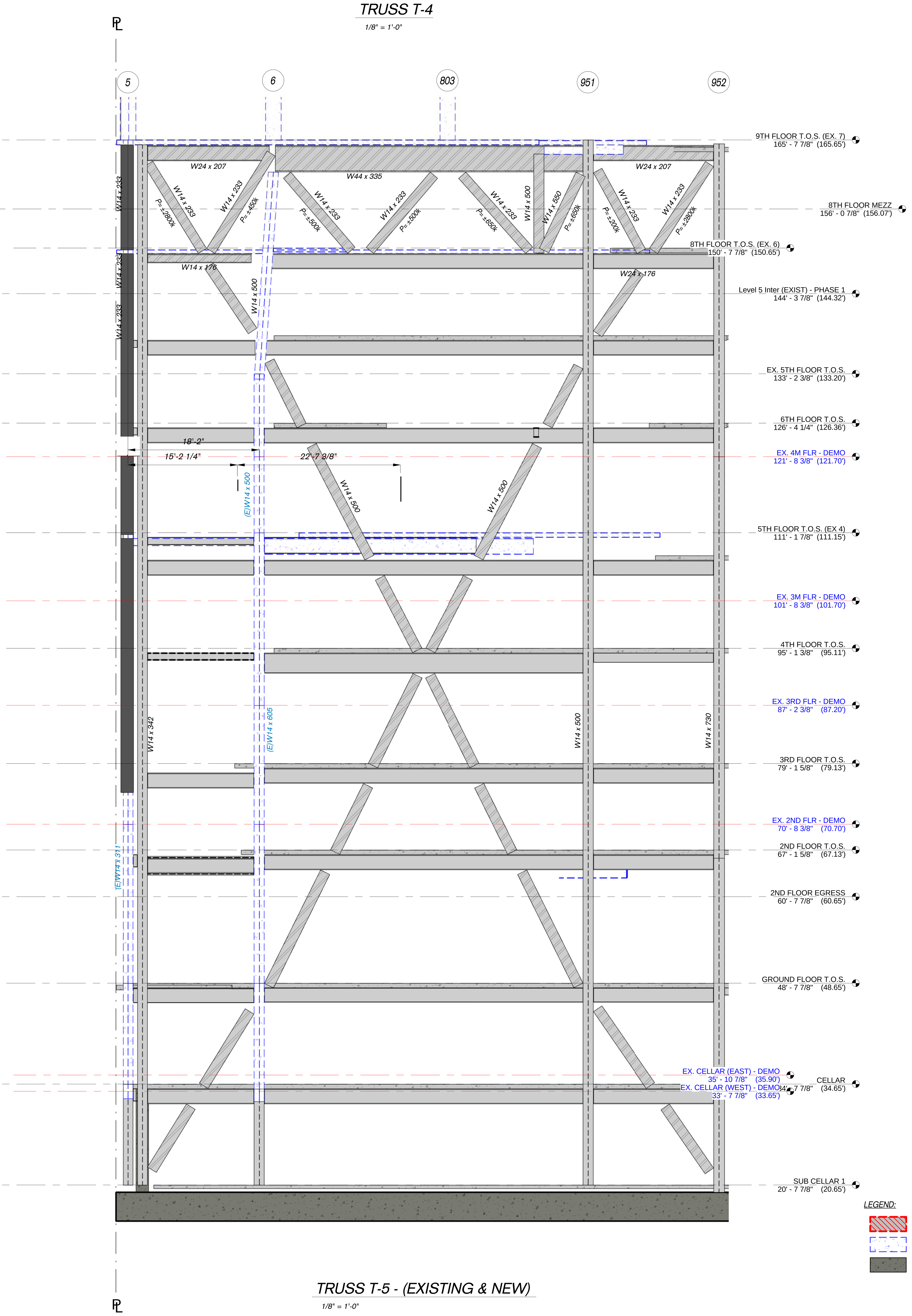


TRUSS T-5 - (EXISTING & DEMO)

1/8" = 1'-0"



TRUSS T-5 - (EXISTING & NEW)

1/8" = 1'-0"

LEGEND:

- EXISTING STRUCTURE TO BE DEMOLISHED
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION

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Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
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Severud Associates | Structural Engineer
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07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
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New York, NY 10036

Sheet Title:
TRUSS ELEVATIONS II

Project Number: 13649

Drawn By: SNH/JBA

Checked By: CJ

Scale: As indicated

Signature & Seal:

Sheet Number: **S-402.00**

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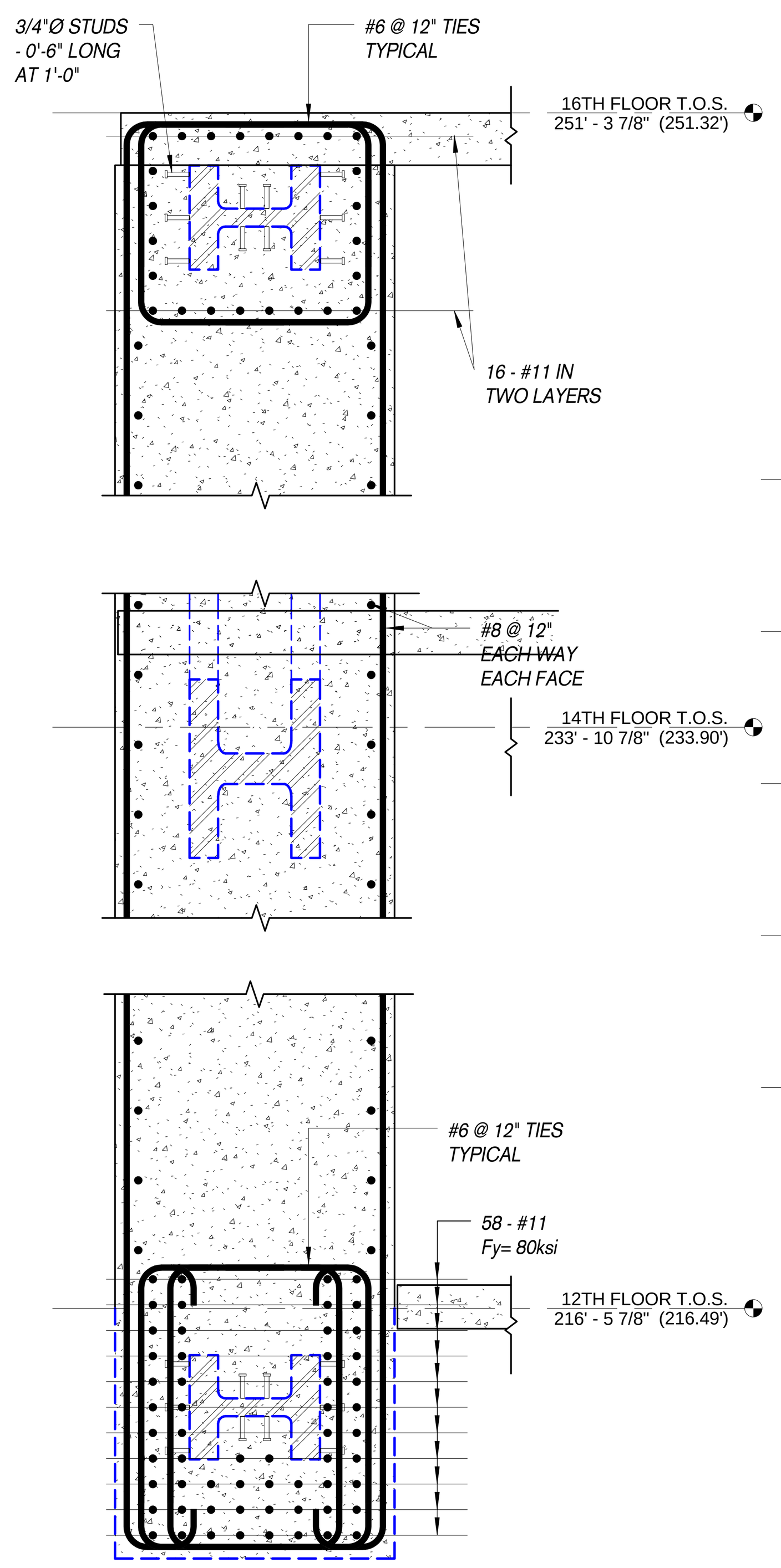

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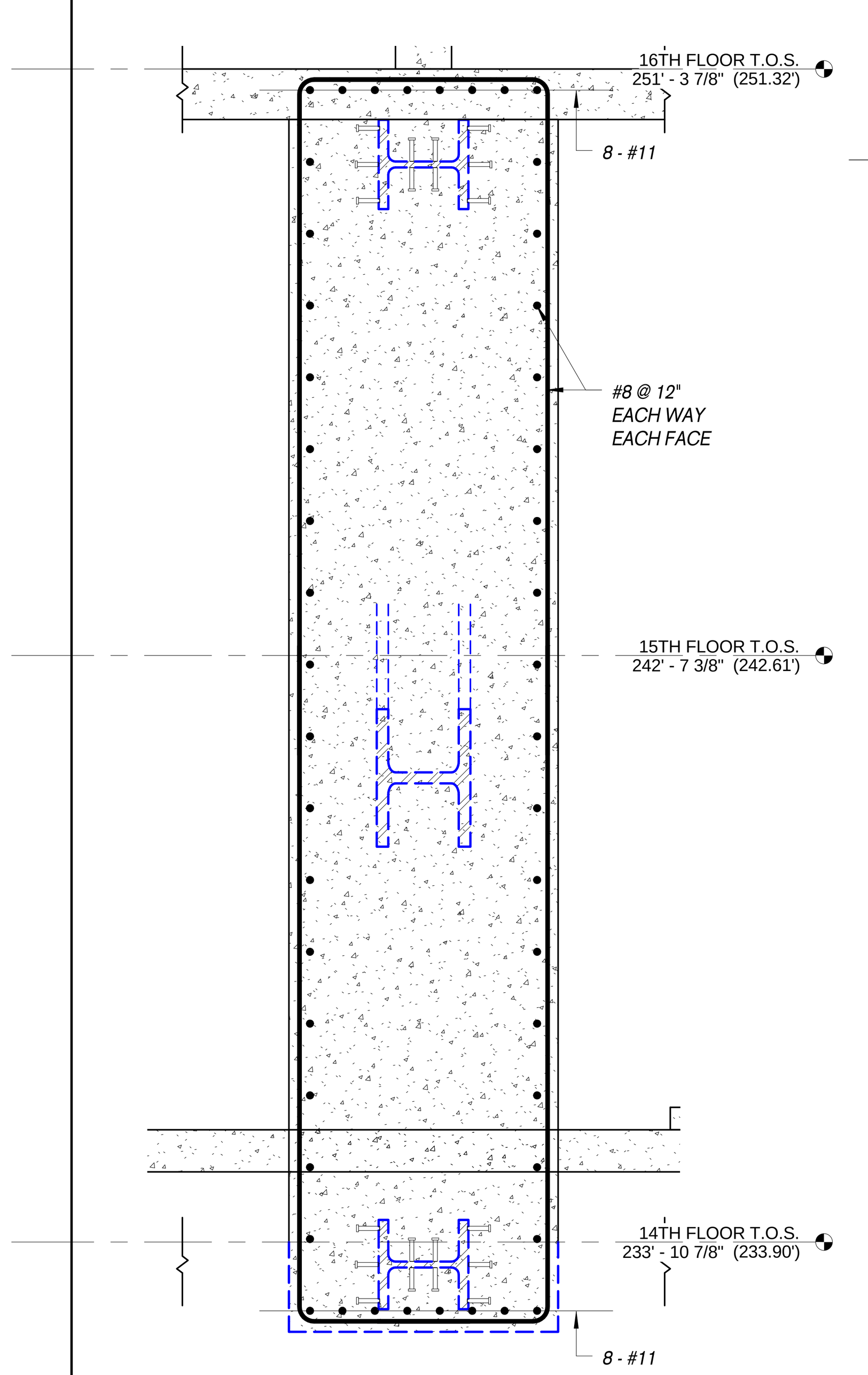

SECTION B

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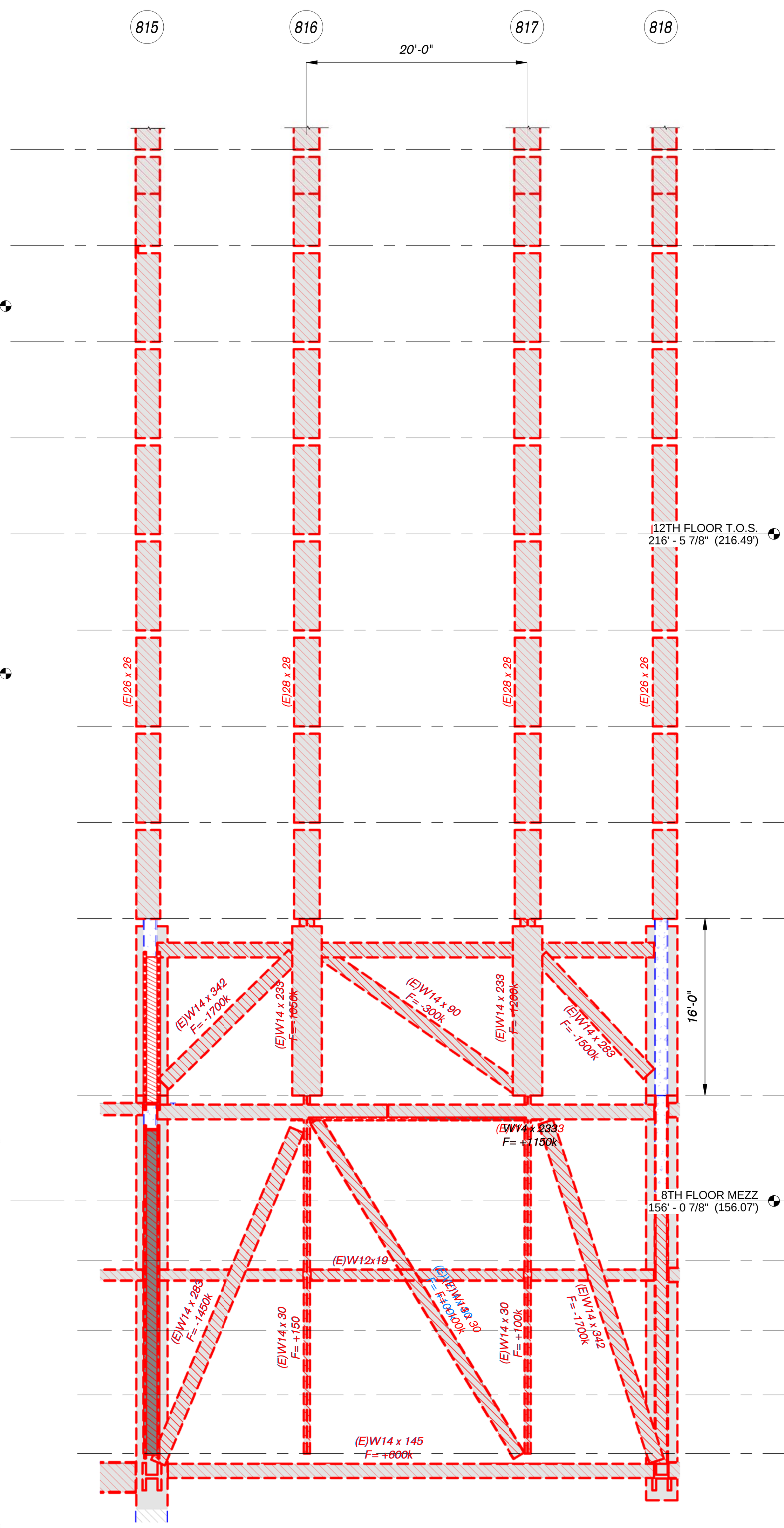

TRUSS T-6 - EXISTING & DEMO

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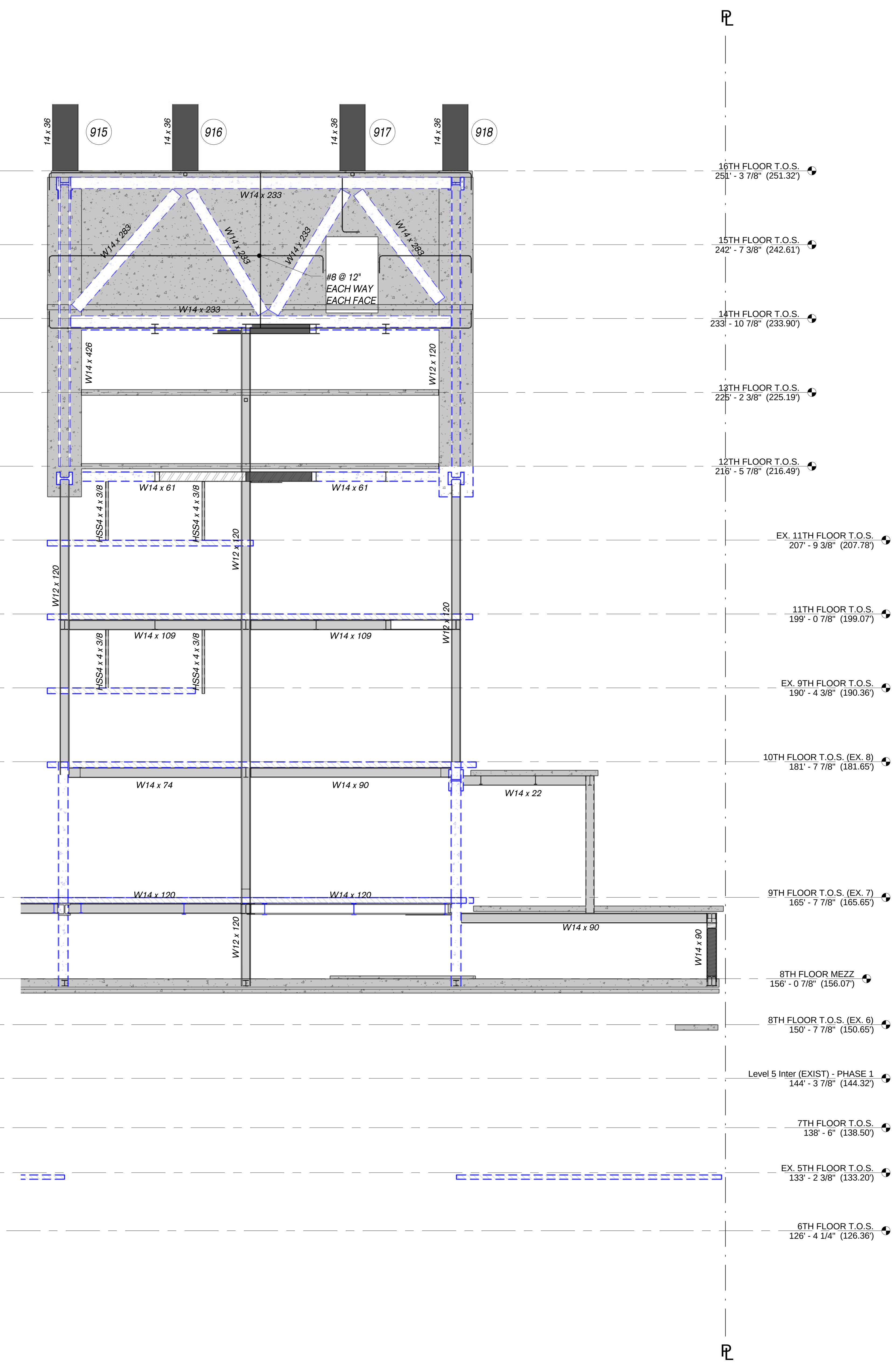

TRUSS T-6 - EXISTING & NEW

1/8" = 1'-0"

LEGEND:

- EXISTING STRUCTURE TO BE DEMOLISHED
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION

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114–A Washington Street
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203.838.4167 | jaffeholden.com

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212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

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Urban Foundation Engineering Foundation Engineer
3233 111th Street
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718.478.3021

zeroLUX | Lighting Design
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212.209.1536

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11.09.2016	13	ISSUED FOR TA FILING
11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

New York, NY 10036

Sheet Title:

TRUSS ELEVATIONS III

Project Number: 13649

Drawn By: Author

Checked By: Checker

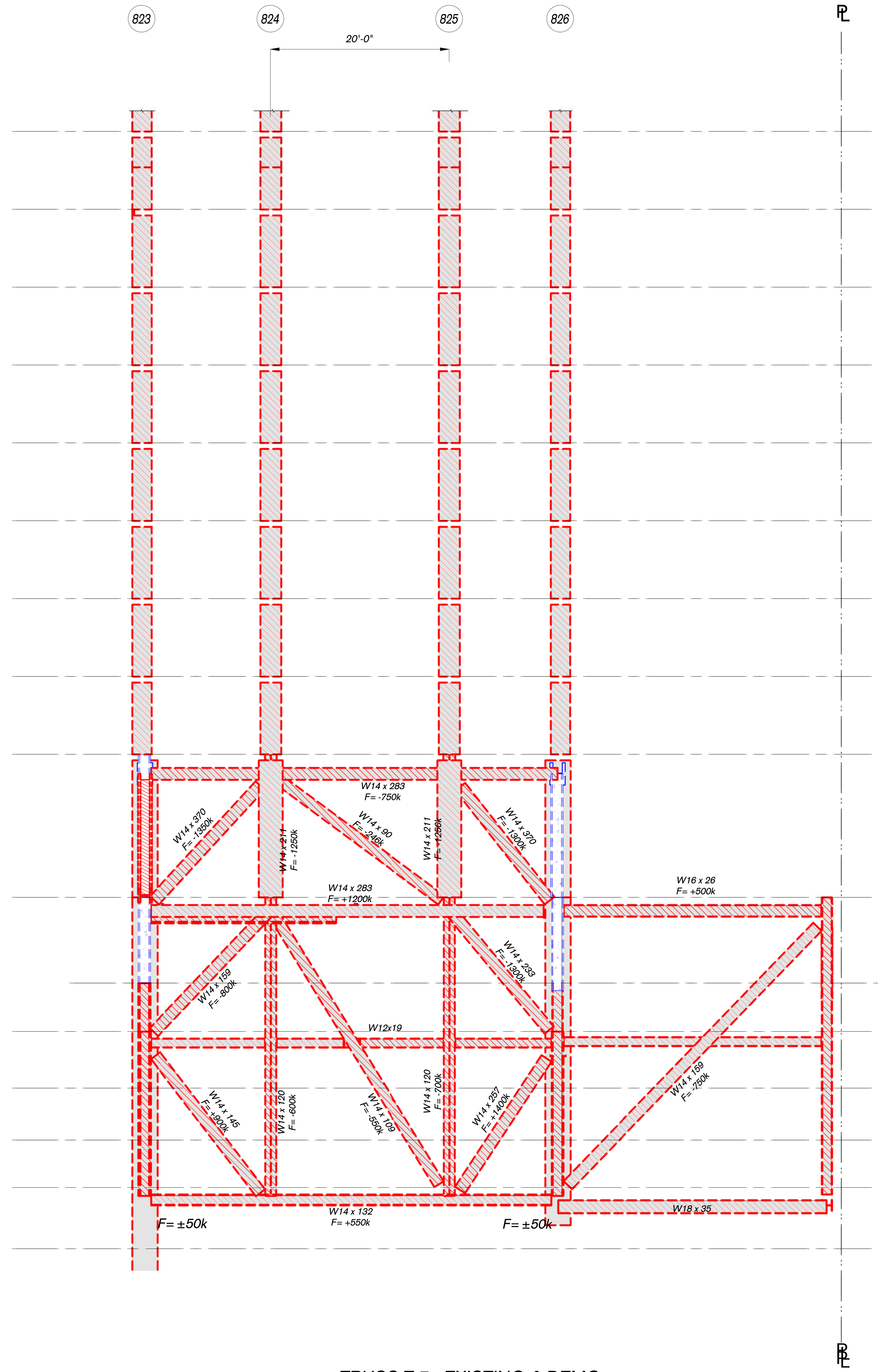
Scale: As indicated

Signature & Seal:

Sheet Number:

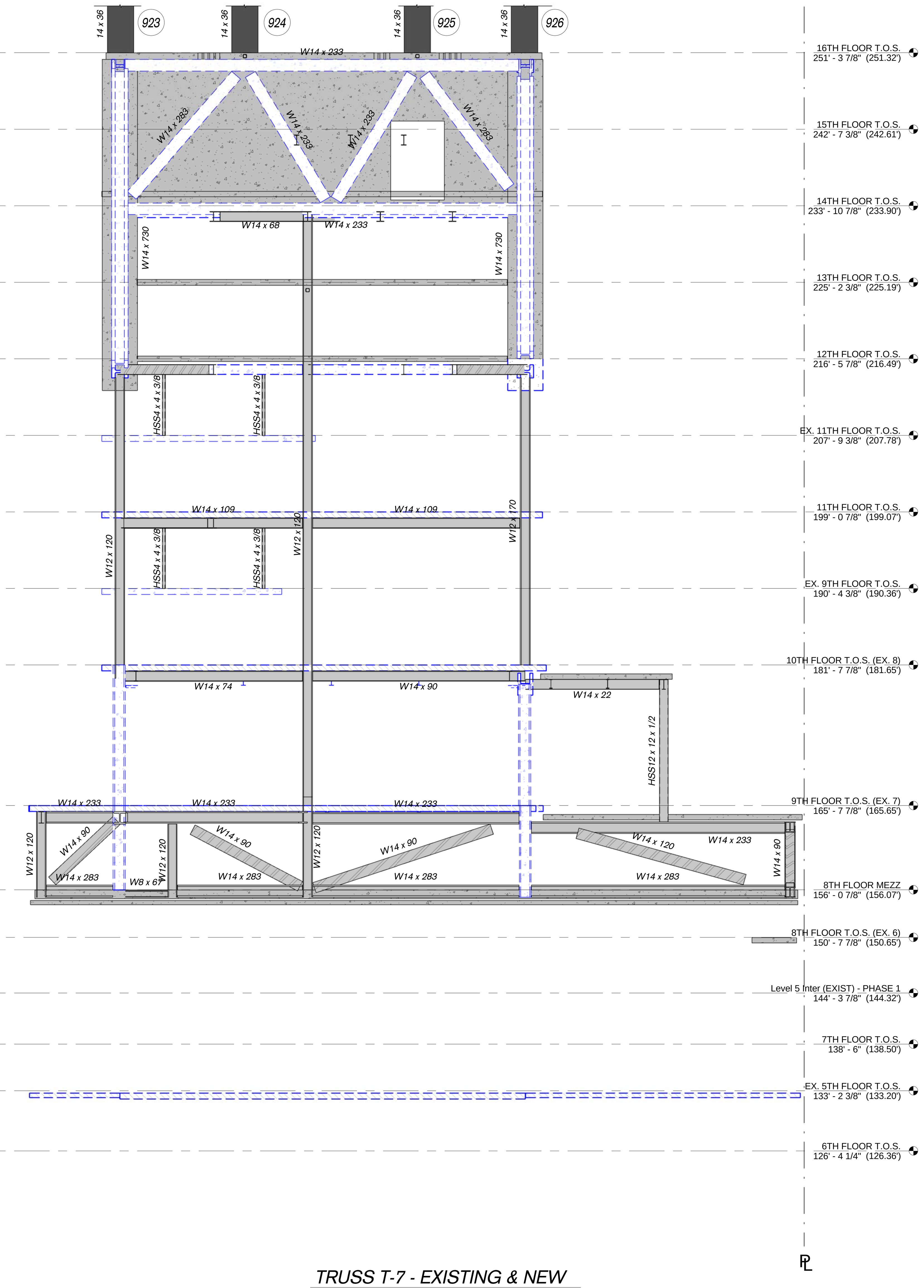
S-403.00

8/7/2017 6:14:13 PM



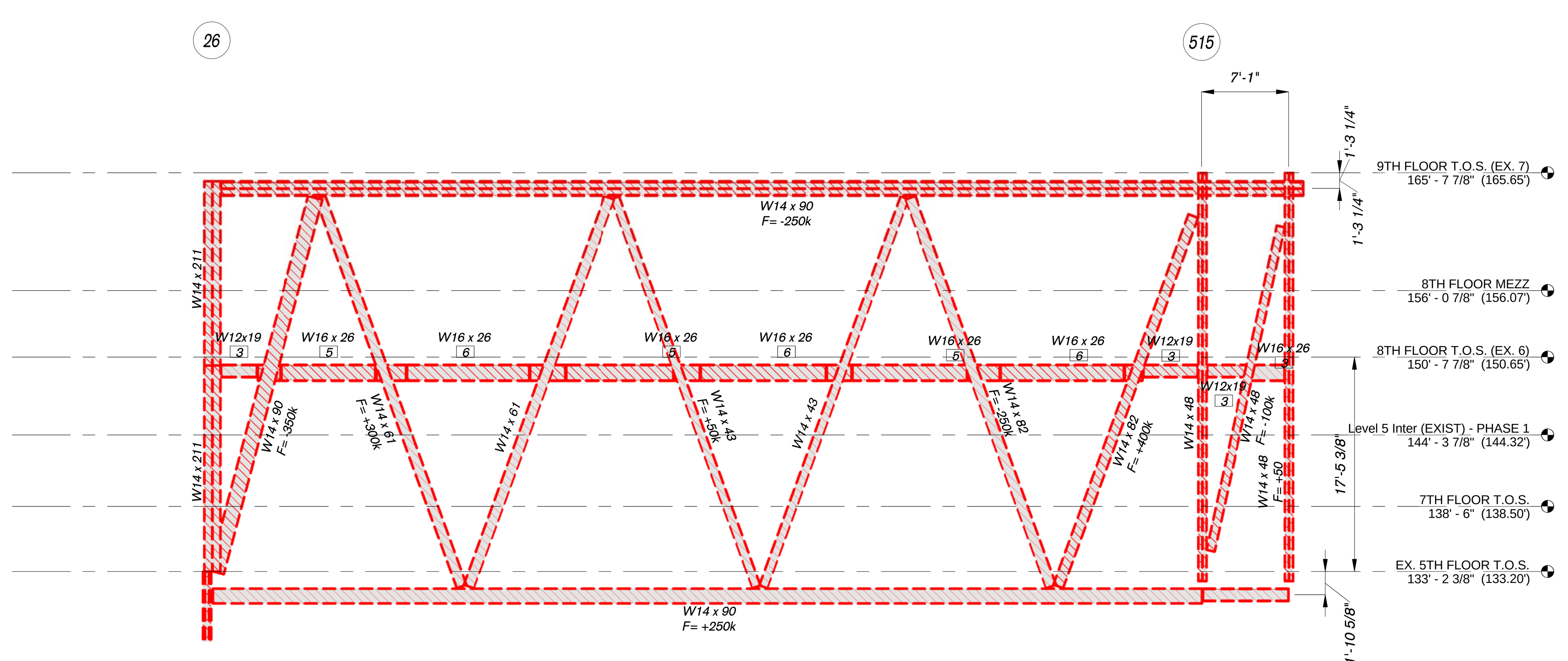
TRUSS T-7 - EXISTING & DEMO

1/8" = 1'-0"



TRUSS T-7 - EXISTING & NEW

1/8" = 1'-0"



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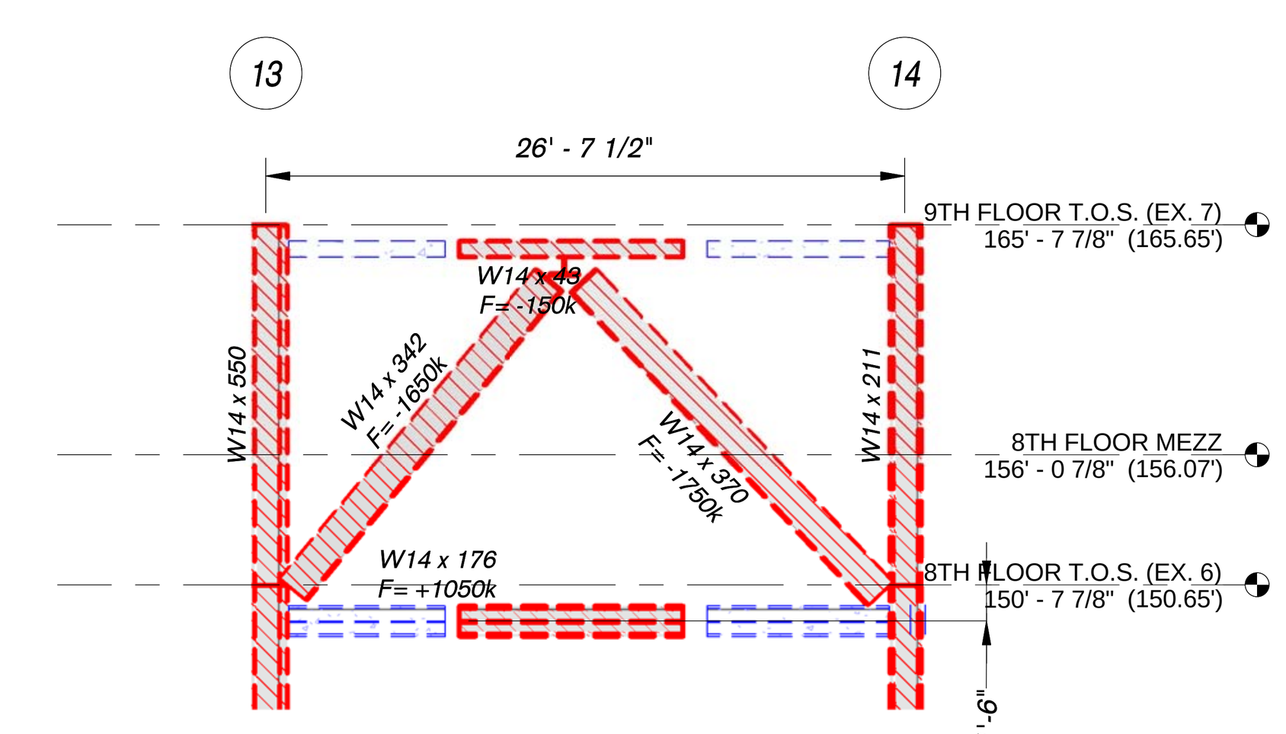
1/8" = 1'-0"



TRUSS T-9 - EXISTING & DEMO

1/8" = 1'-0"

LEGEND:

- EXISTING STRUCTURE TO BE DEMOLISHED
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION

Roxane Tongotis, RA
APPROVED
NYC Development Hub

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
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New York, NY 10001
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Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

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242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

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10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

New York, NY 10036

Sheet Title:

TRUSS ELEVATION IV

Project Number: 13649

Drawn By: SNH/JBA

Checked By: CJ

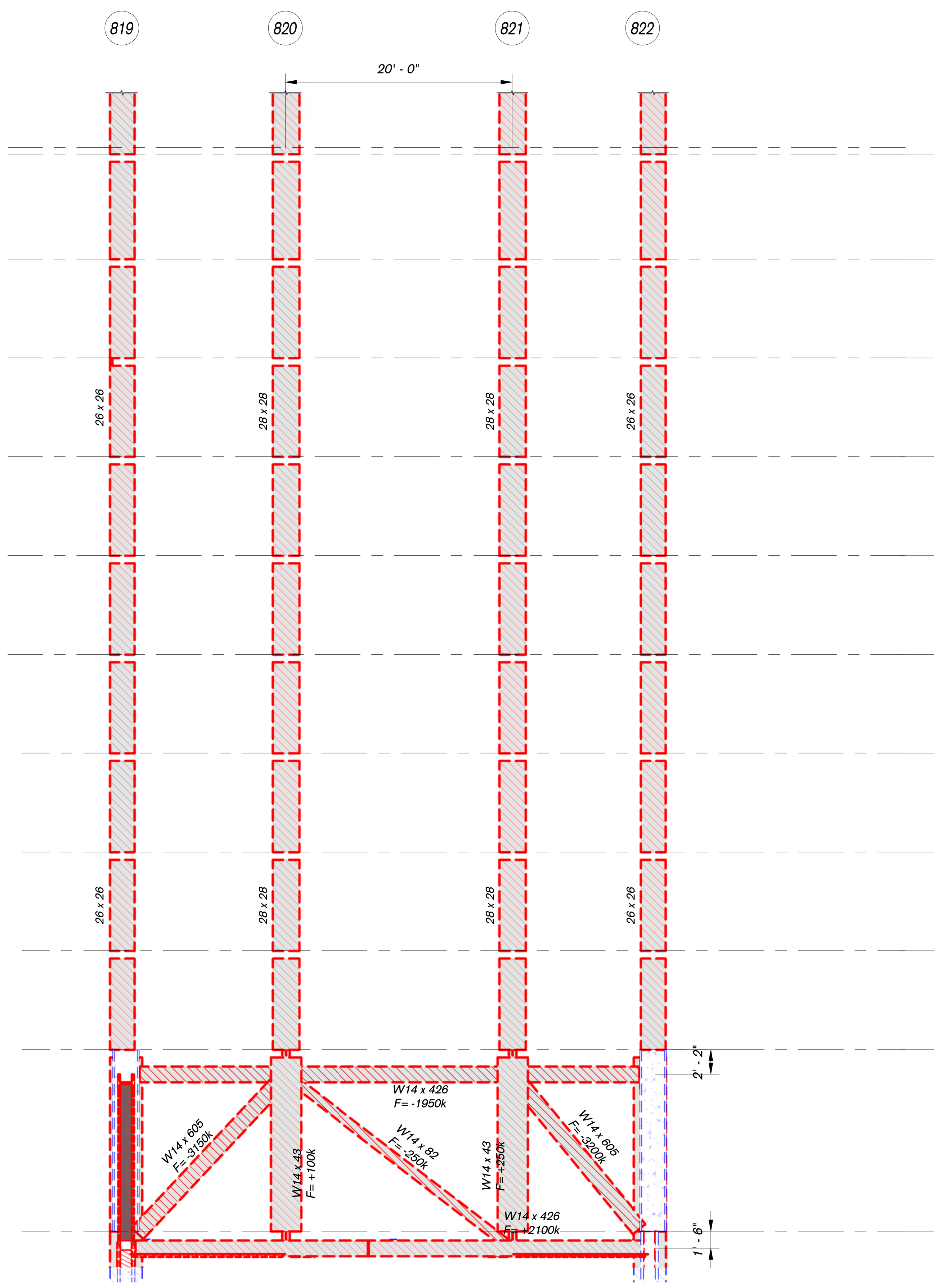
Scale: As indicated

Signature & Seal:

STATE OF NEW YORK
CAWSIE JIJINA
060340
LICENSED PROFESSIONAL ENGINEER

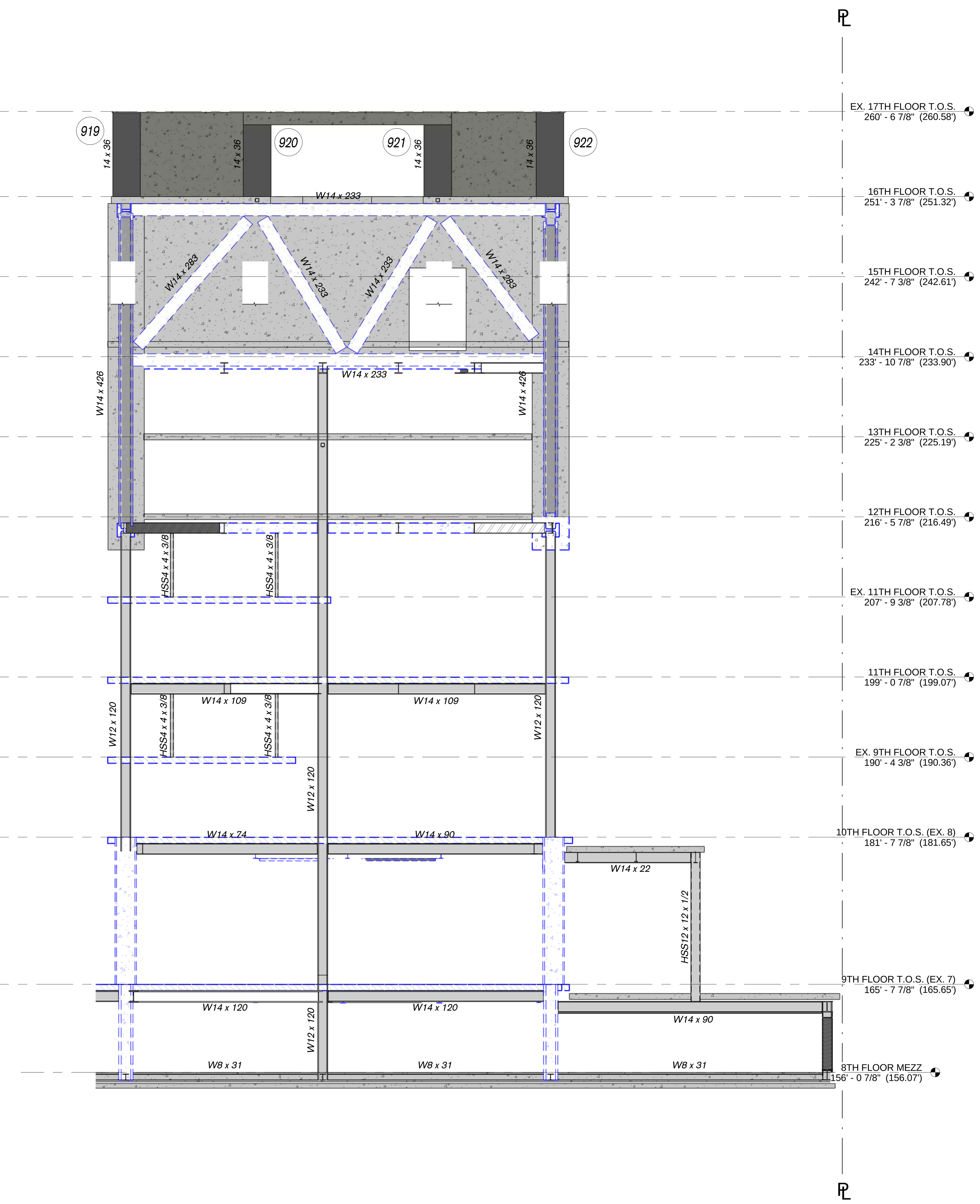
Sheet Number:

S-404.00



TRUSS T-10 - EXISTING & DEMO

1/8" = 1'-0"



TRUSS T-10 - EXISTING & NEW

1/8" = 1'-0"

LEGEND:

- EXISTING STRUCTURE TO BE DEMOLISHED
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
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Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
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AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
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Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
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07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway
New York, NY 10036

Sheet Title:
TRUSS ELEVATION V

Project Number: 13649
Drawn By: Author
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Scale: As indicated
Signature & Seal:
Sheet Number: S-405.00

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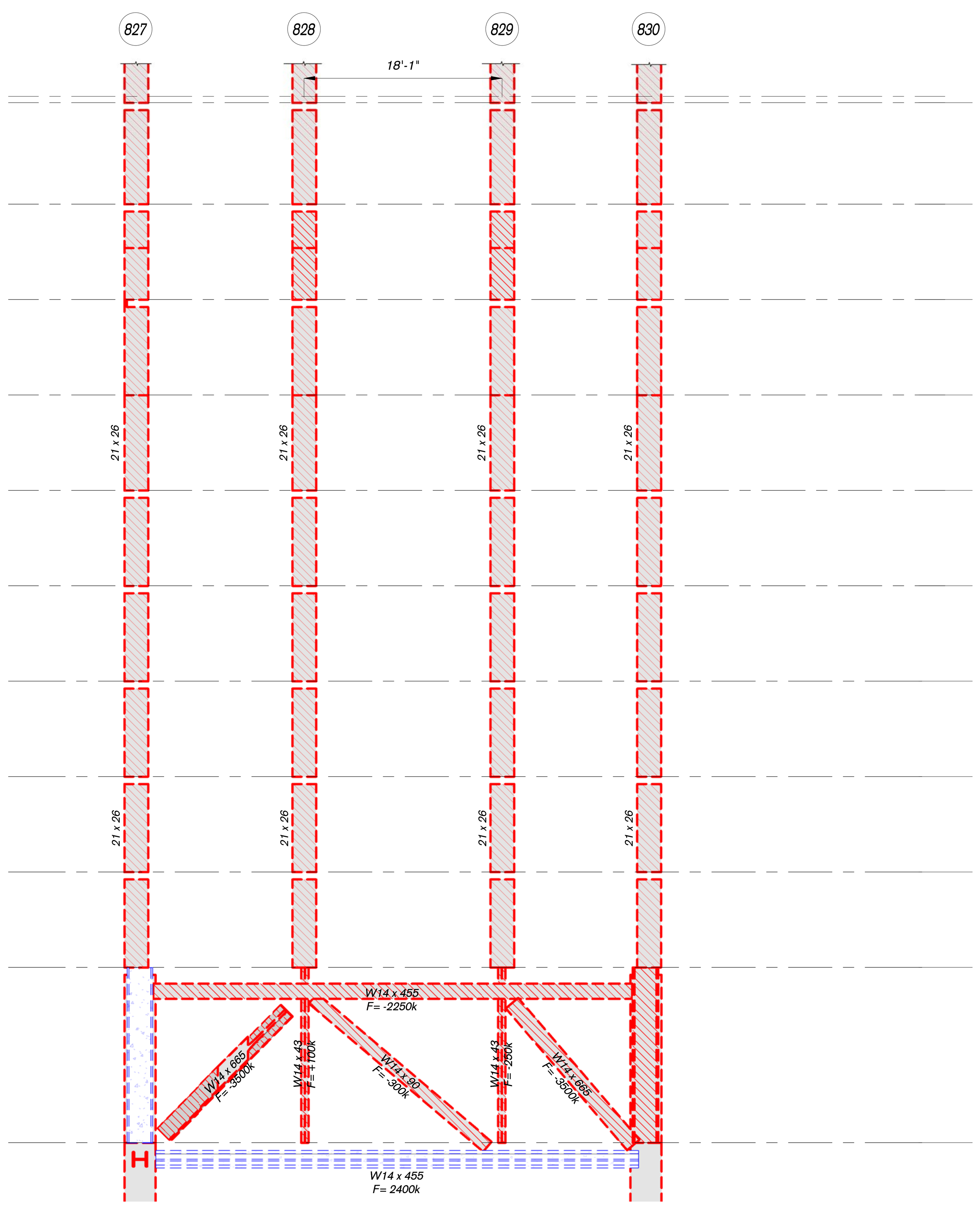
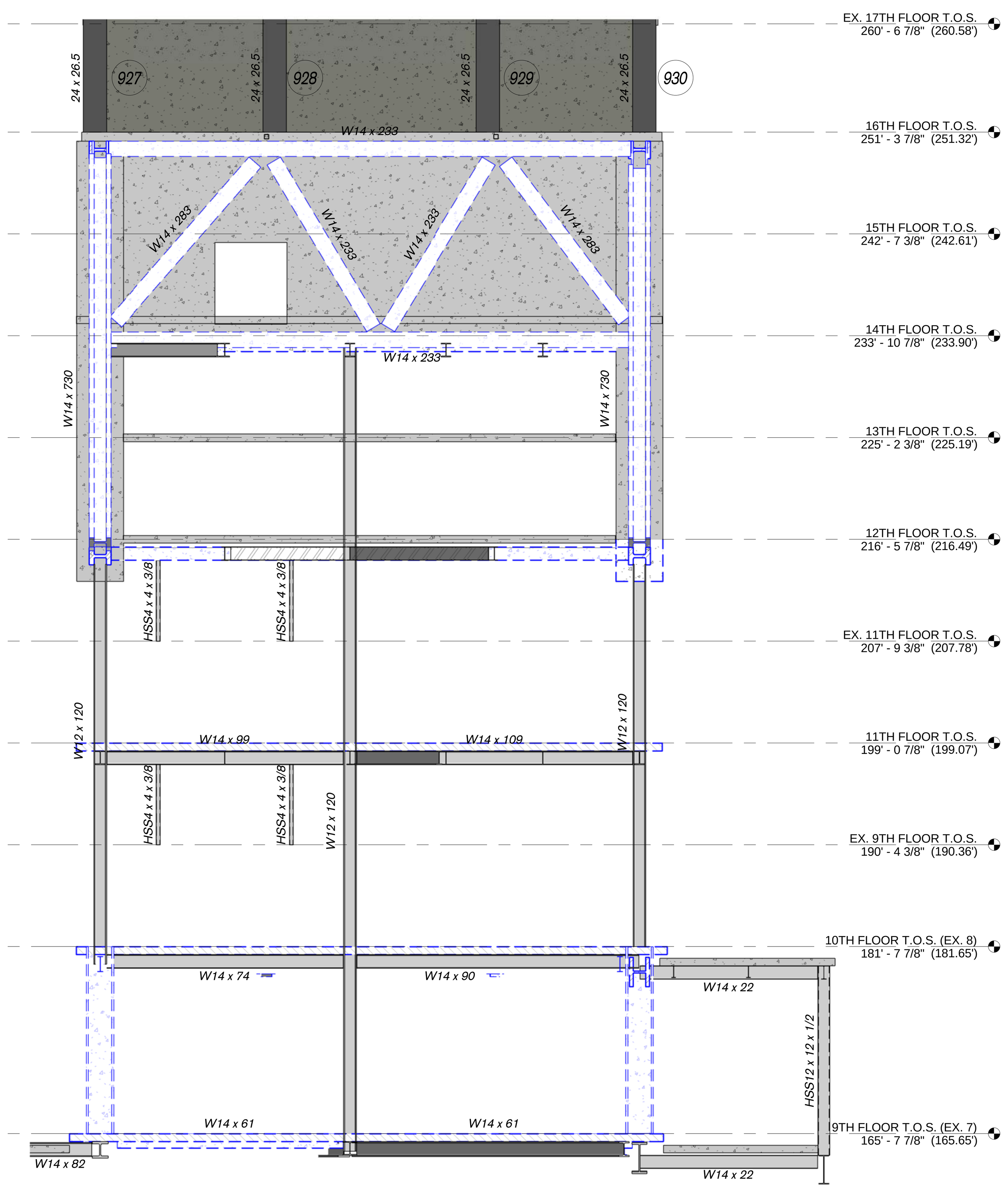


TRUSS T-11 - EXISTING & DEMO

1/8" = 1'-0"



TRUSS T-11 - EXISTING & NEW

1/8" = 1'-0"

LEGEND:

- EXISTING STRUCTURE TO BE DEMOLISHED
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
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New York, NY 10018
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New York, NY 10121
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New York City, New York 10005
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Norwalk, CT 06854
203.838.4167 | jaffeholden.com

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New York, NY 10001
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07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

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Sheet Title:

TRUSS ELEVATION VI

Project Number: 13649

Drawn By: Author

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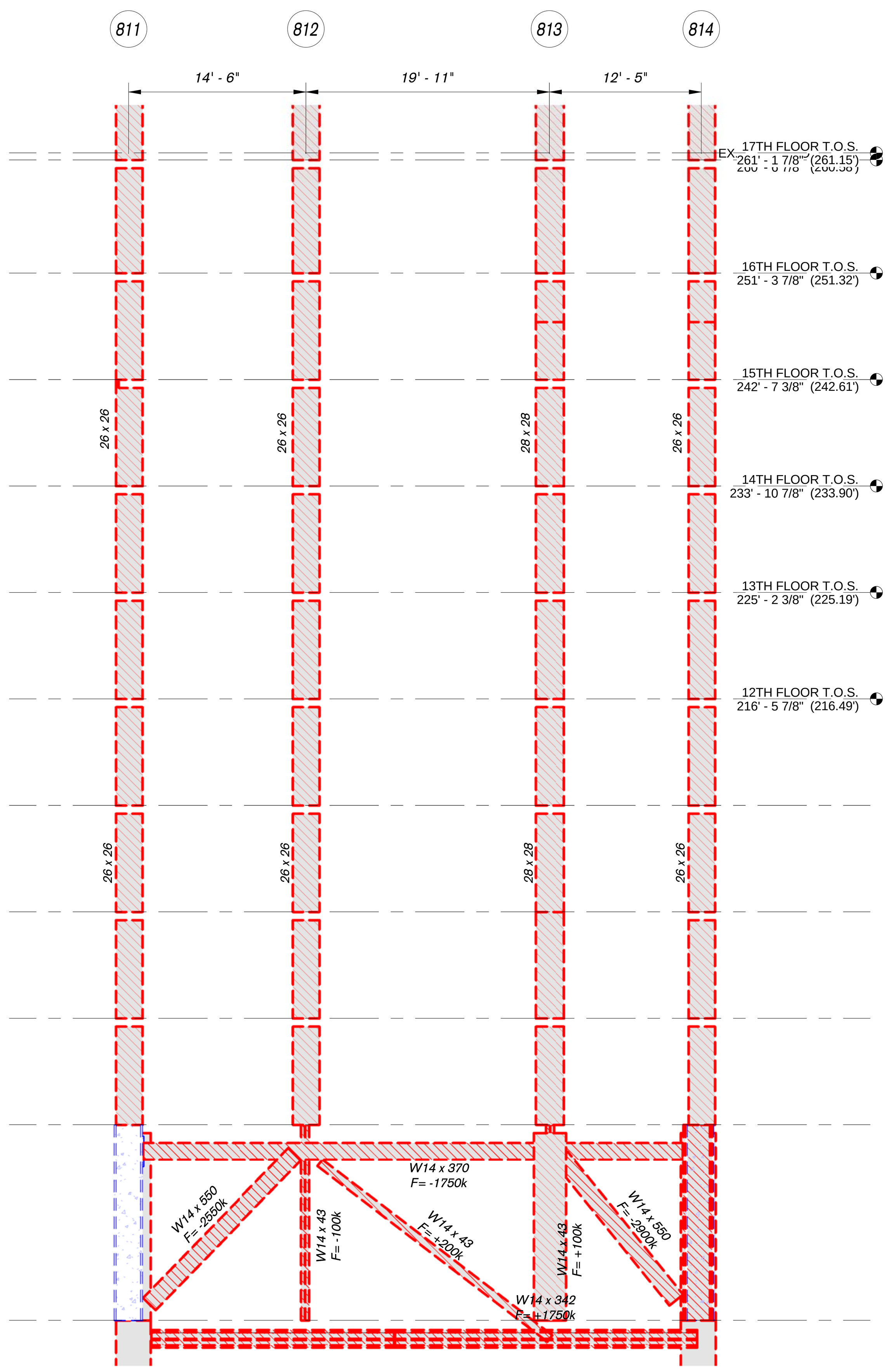
Scale: As indicated

Signature & Seal:

Sheet Number:

S-406.00



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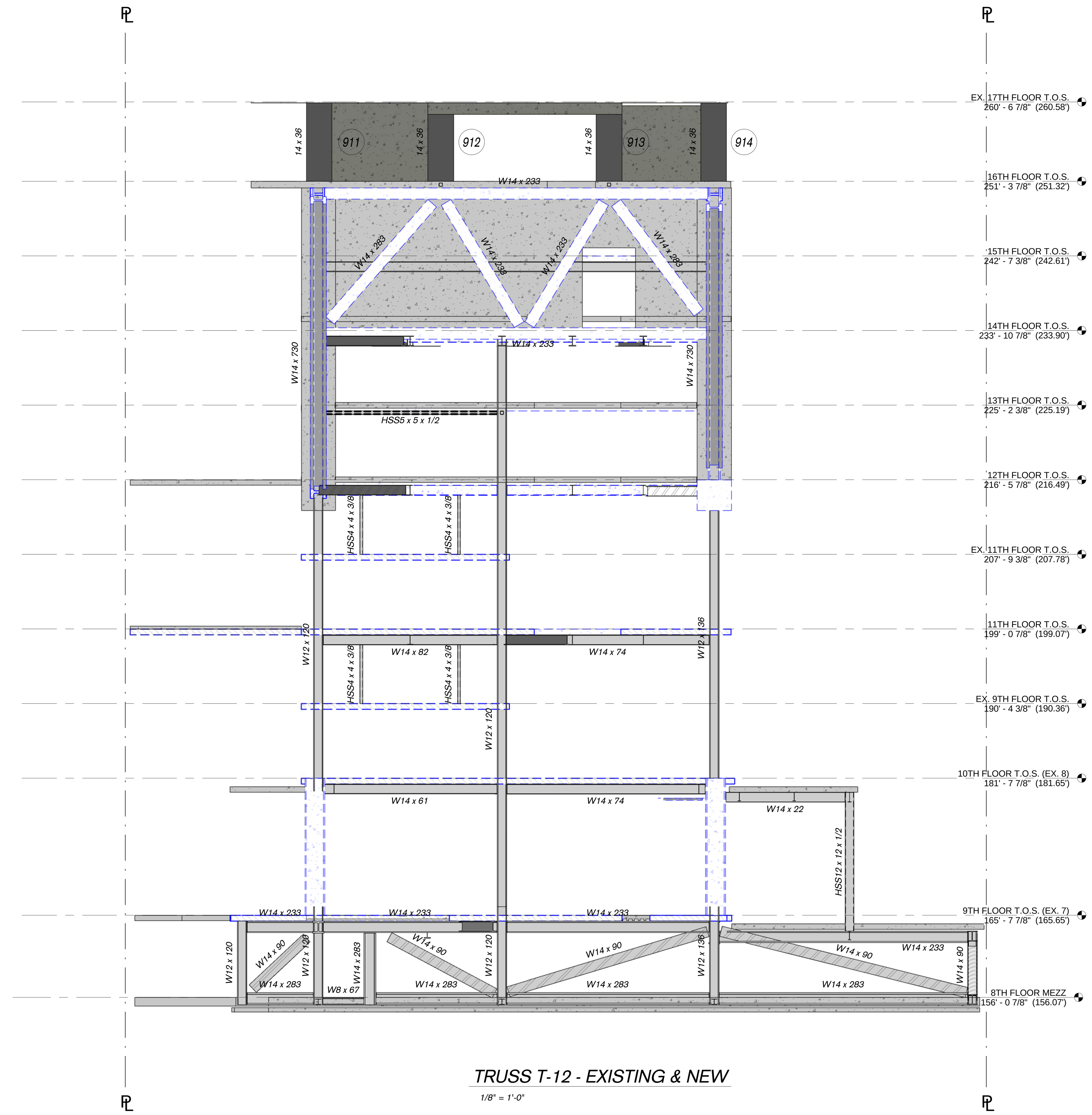

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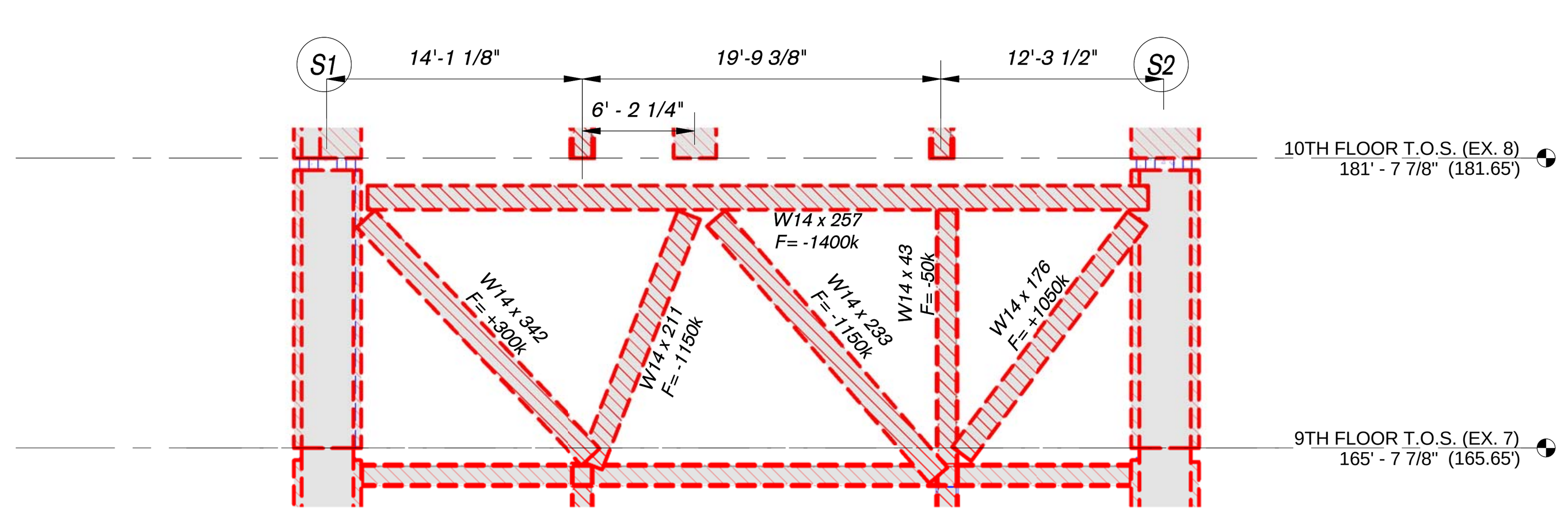
1/8" = 1'-0"



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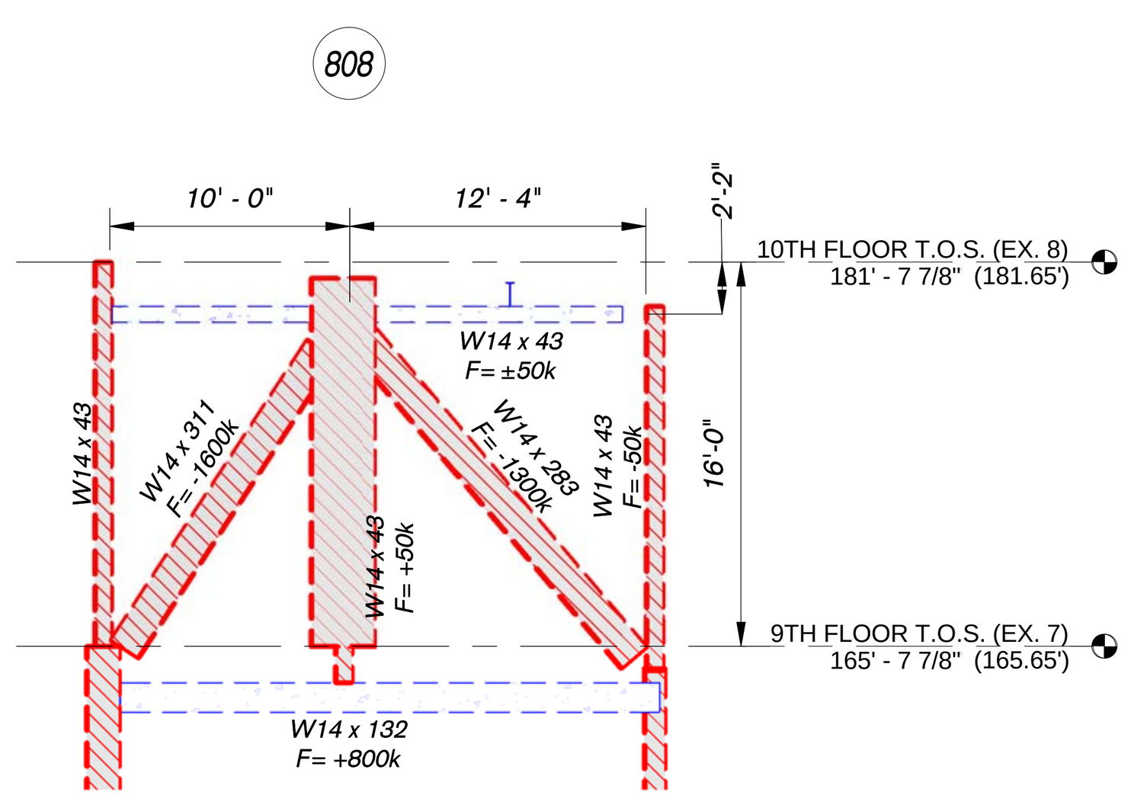
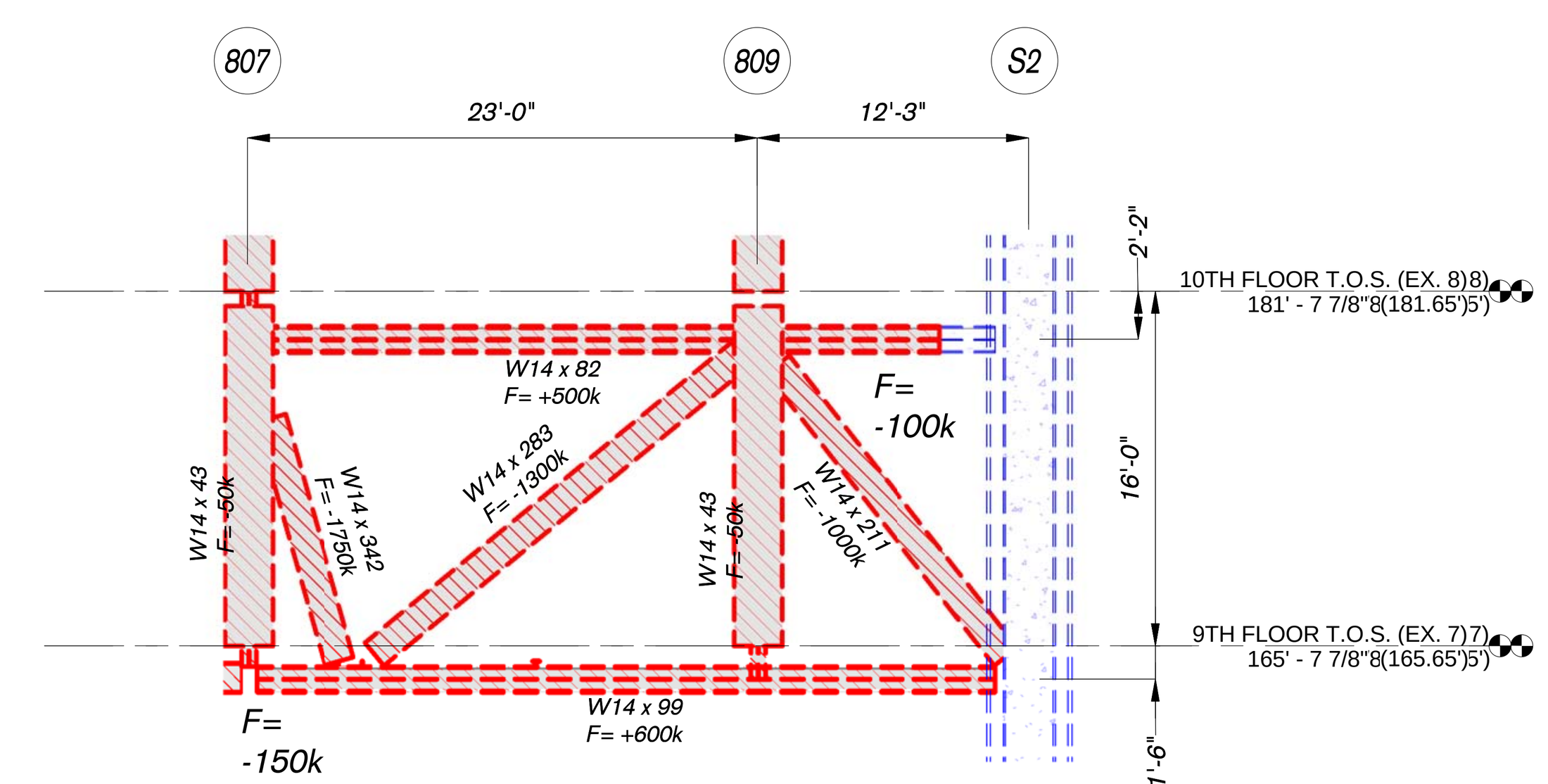
1/8" = 1'-0"



TRUSS T-14

1/8" = 1'-0"



TRUSS T-15 - EXISTING & DEMO

1/8" = 1'-0"

LEGEND:

EXISTING STRUCTURE TO BE DEMOLISHED

EXISTING STRUCTURE TO REMAIN

NEW CONSTRUCTION

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Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
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New York, NY 10121
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AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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718.383.9340 | design2147.com

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Norwalk, CT 06854
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TORONTO, ON M4M 2M3
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New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
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04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

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Sheet Title:

TRUSS ELEVATION VII

Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale: As indicated

Signature & Seal:

STATE OF NEW YORK · CAWSIE JIJINA · 060340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number:

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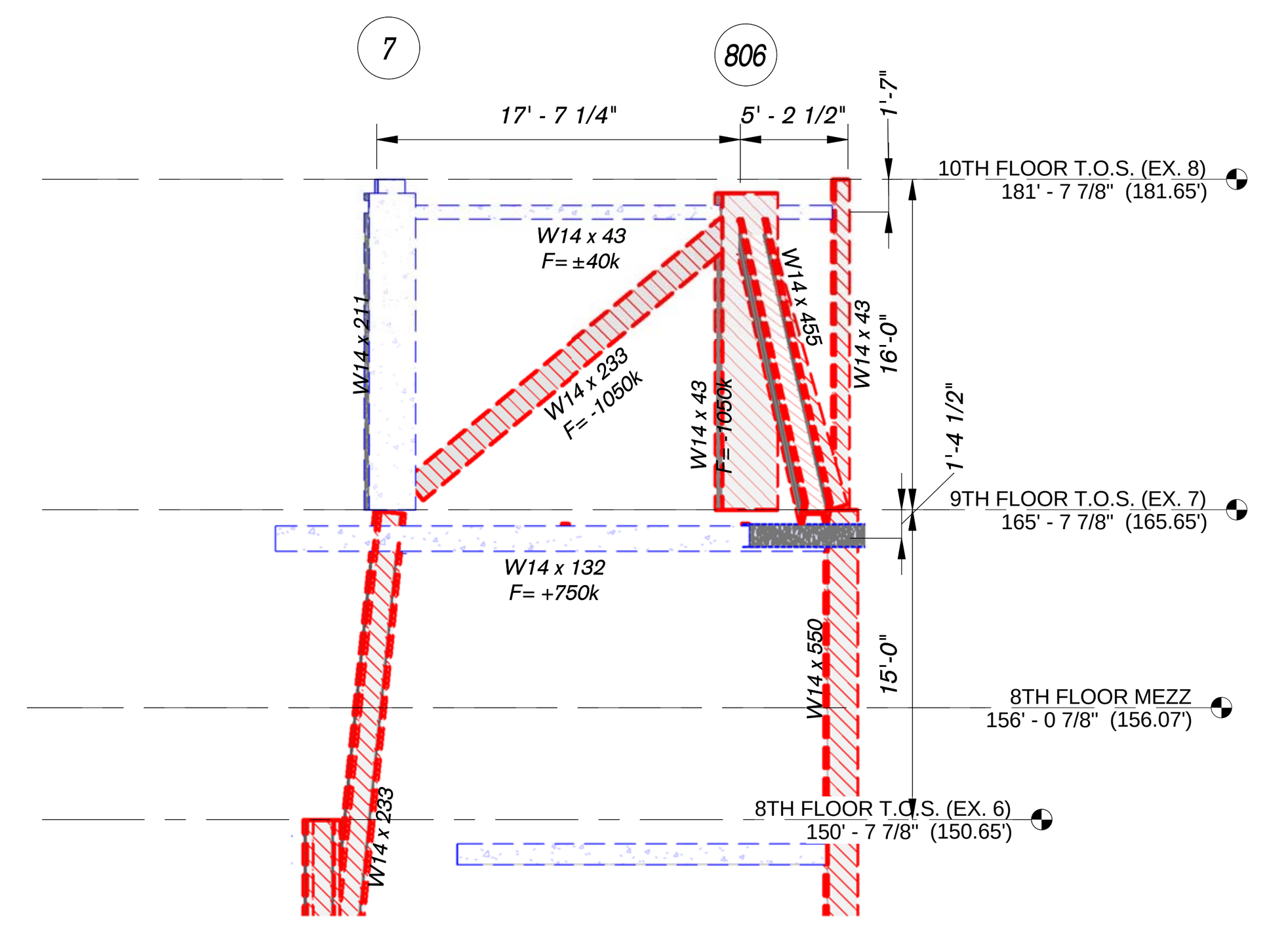

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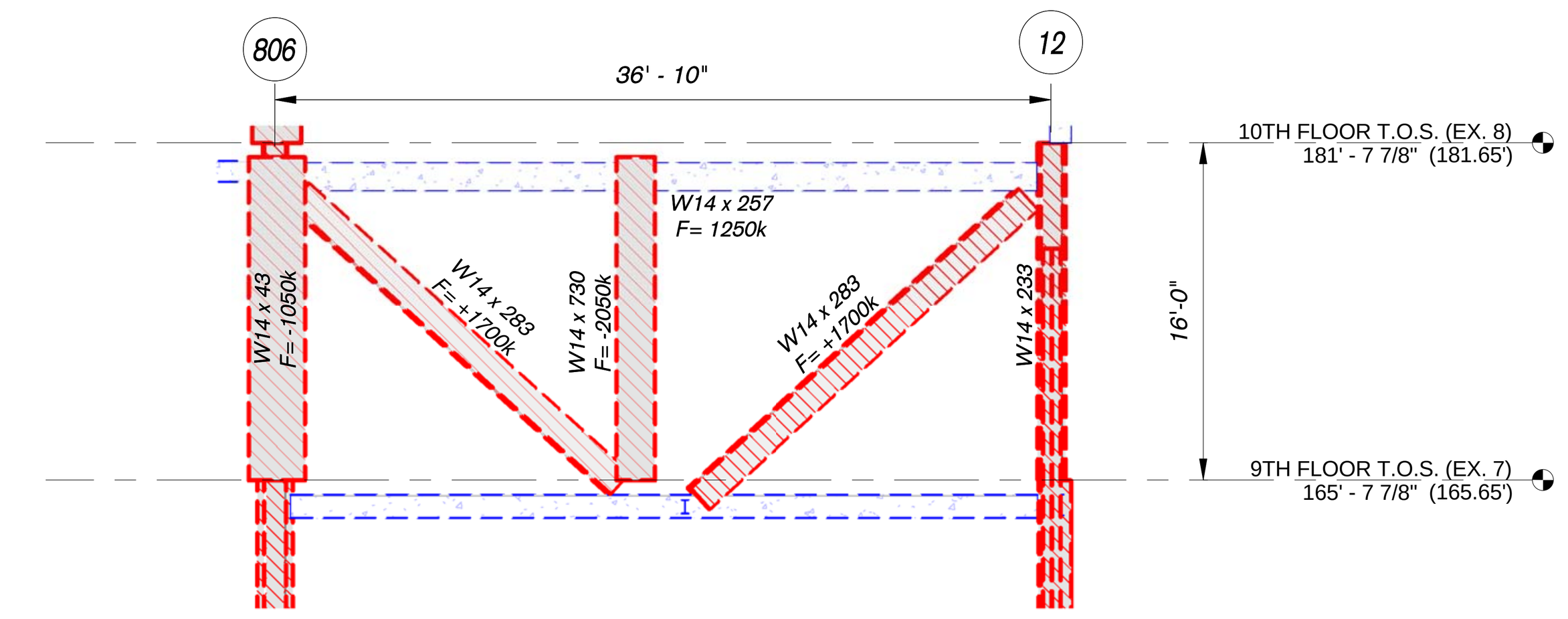

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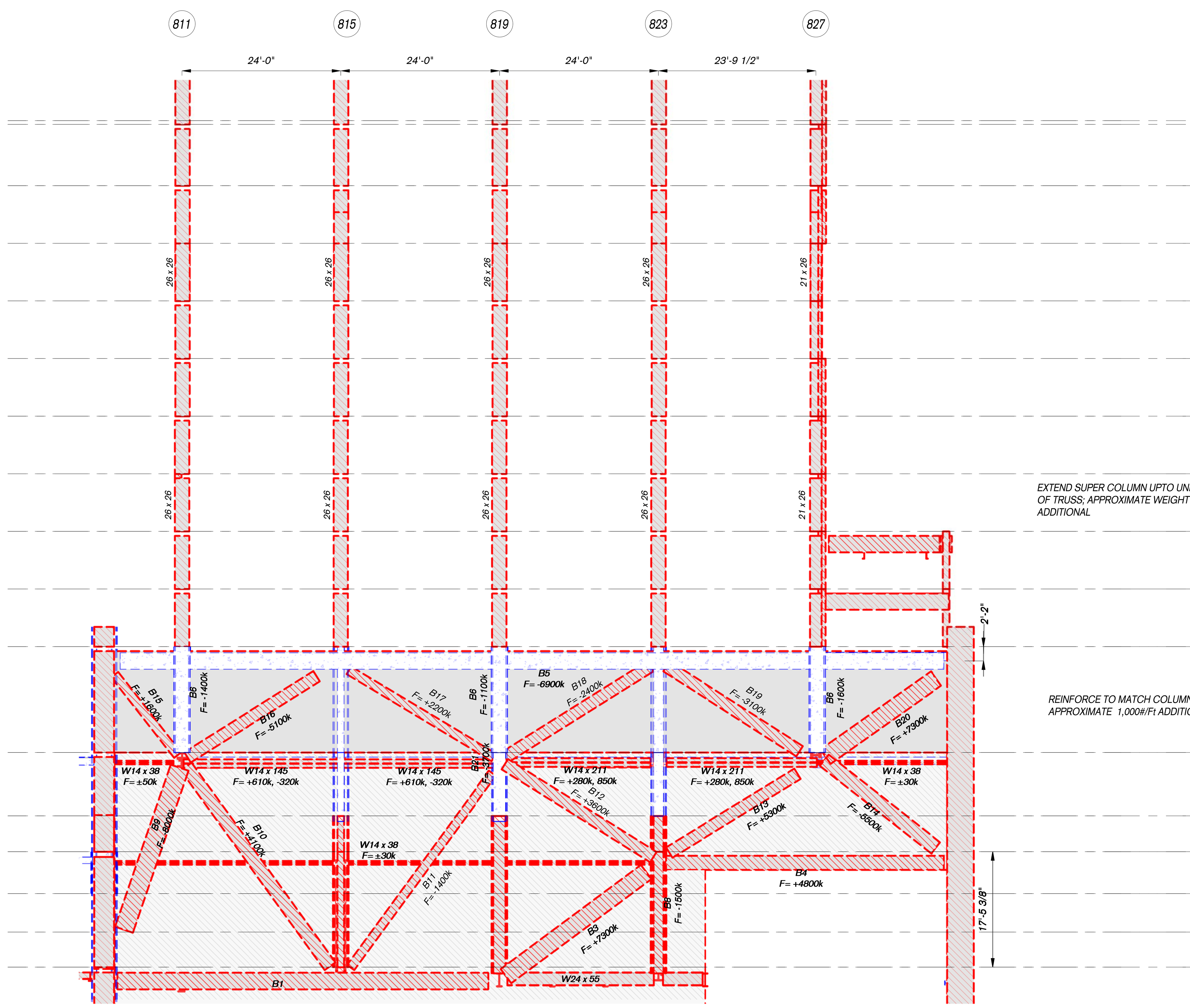
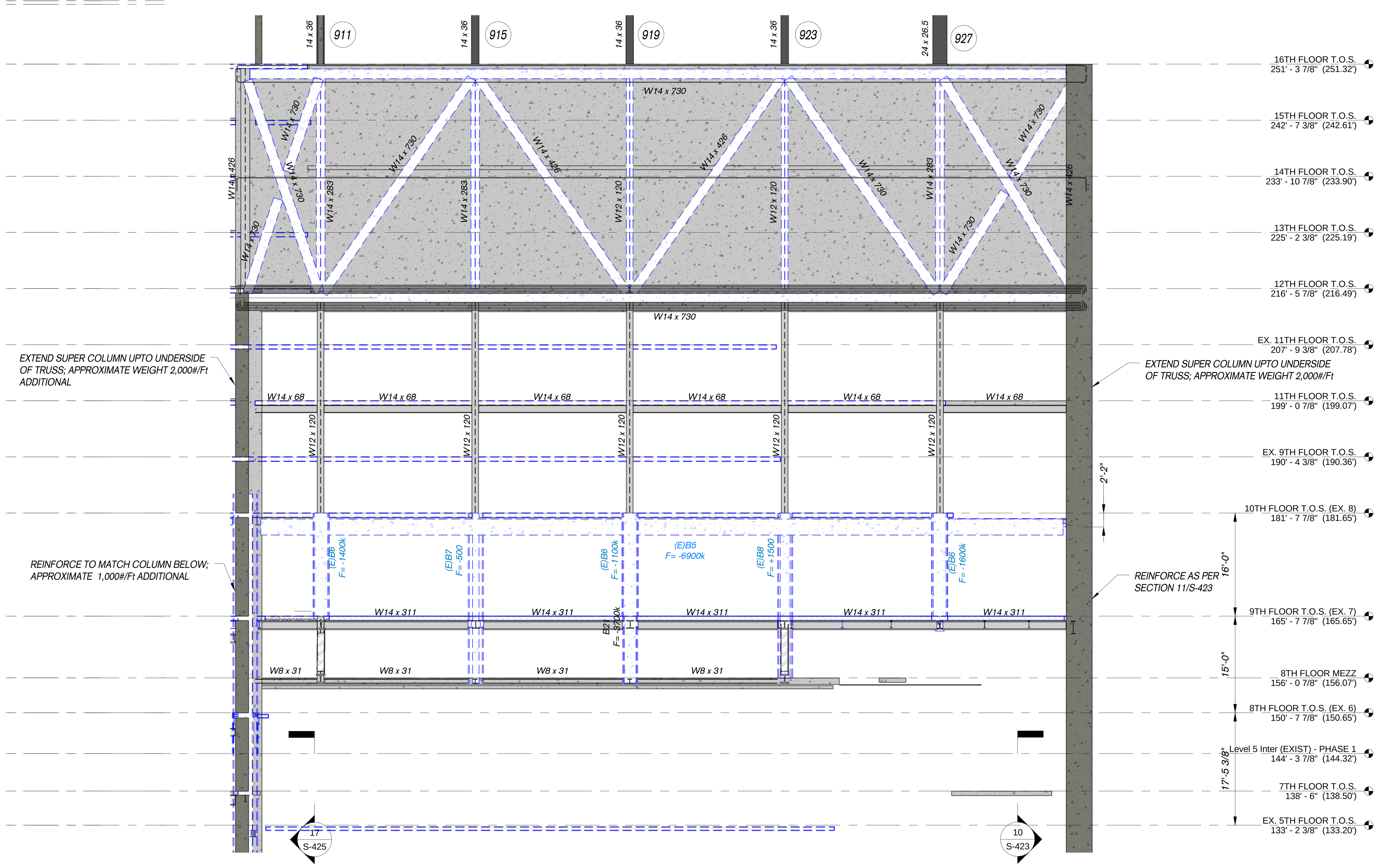
1/8" = 1'-0"



TRUSS T-18 - EXISTING & DEMO

3/32" = 1'-0"



TRUSS T-18 - EXISTING & NEW

3/32" = 1'-0"

LEGEND:

- EXISTING STRUCTURE TO BE DEMOLISHED
- EXISTING STRUCTURE TO REMAIN
- NEW CONSTRUCTION

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
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212.938.1260 | manciniduffy.com

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New York, NY 10121
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New York City, New York 10005
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06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
TRUSS ELEVATIONS VIII

Project Number: 13649

Drawn By: Author

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Signature & Seal:

Sheet Number:
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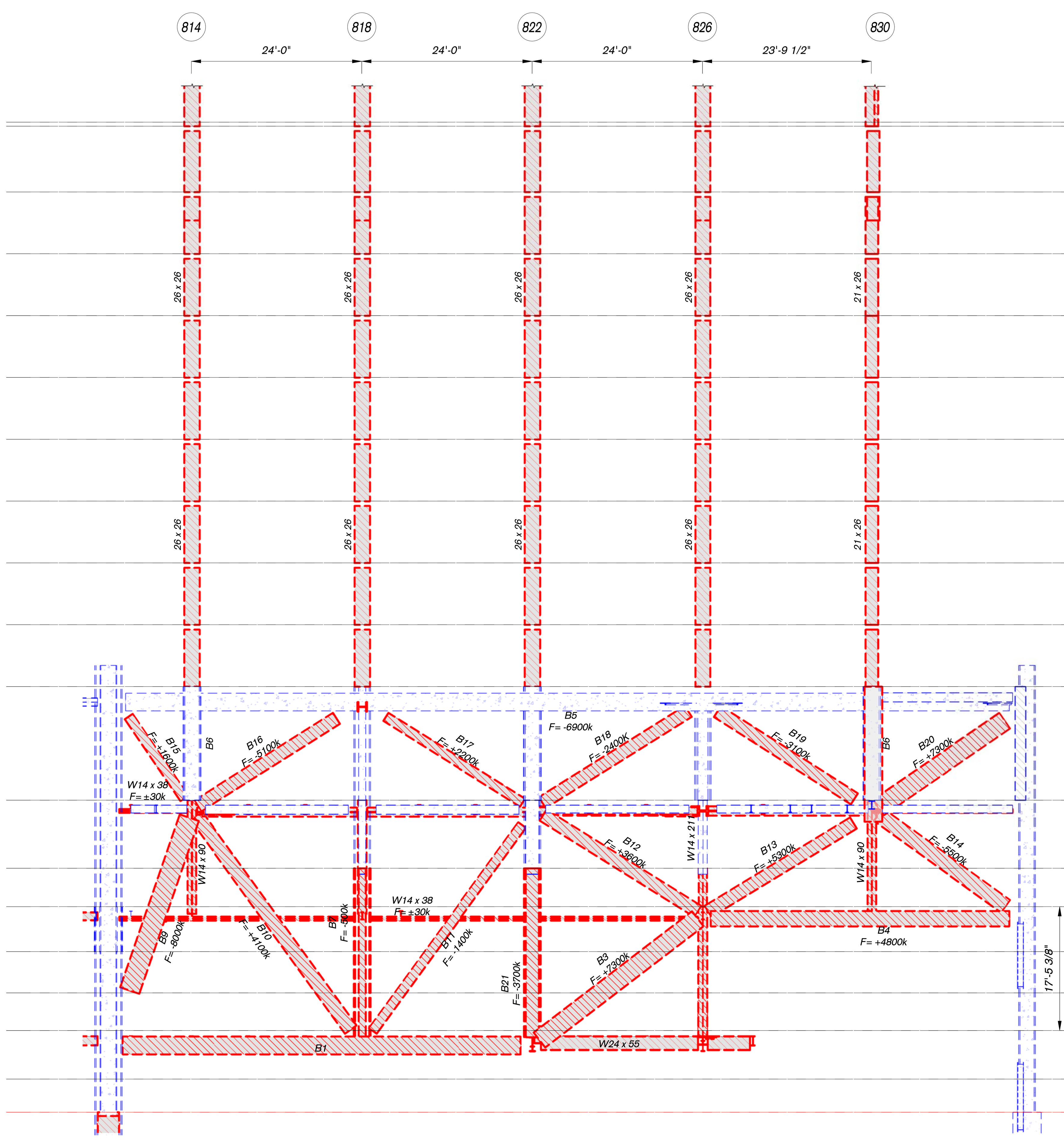
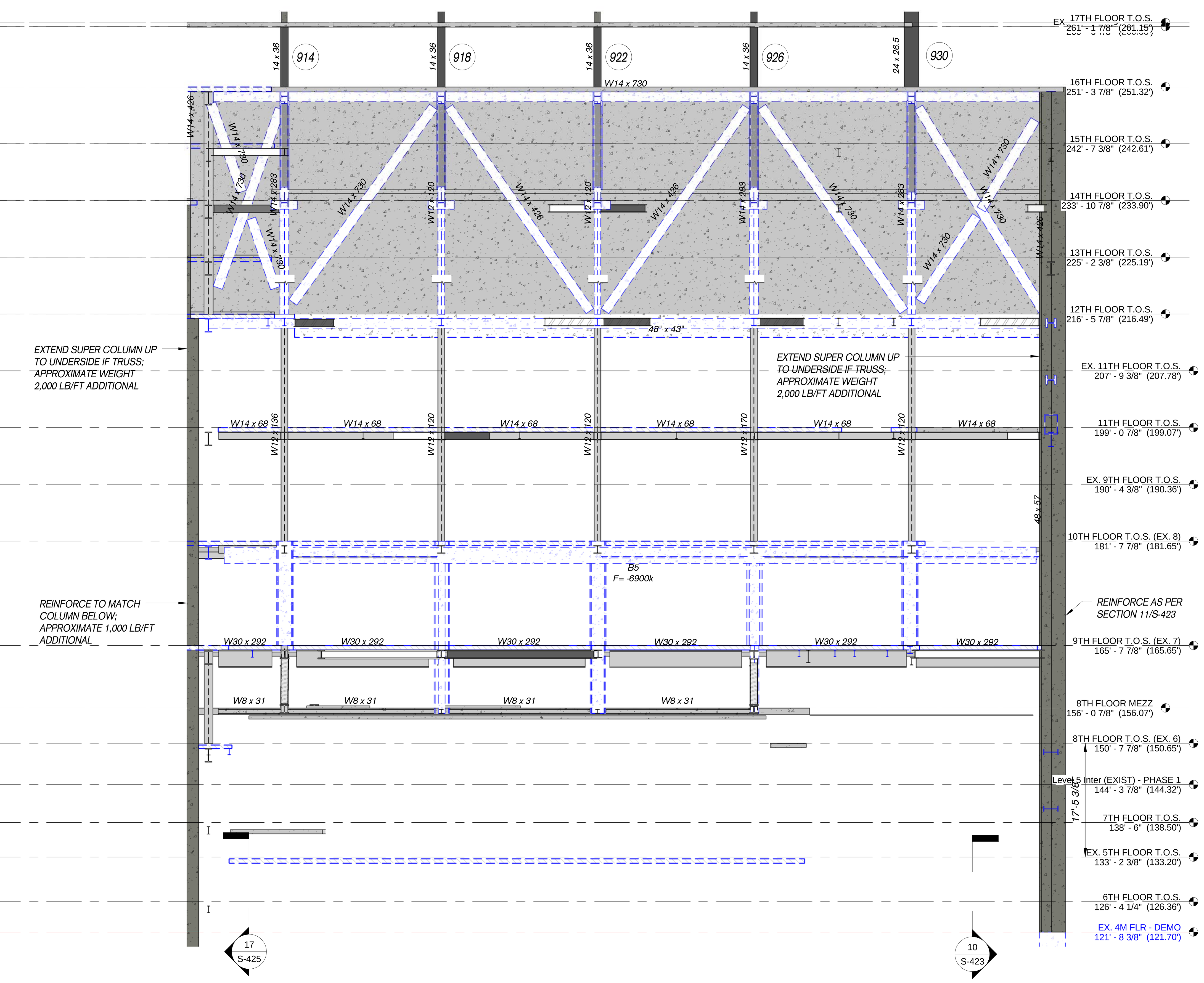


TRUSS T-19 - EXISTING & DEMO

3/32" = 1'-0"



TRUSS T-19 - EXISTING & NEW

3/32" = 1'-0"

LEGEND:

EXISTING STRUCTURE TO BE DEMOLISHED

EXISTING STRUCTURE TO REMAIN

NEW CONSTRUCTION

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

Design 2147 Limited | Code Consultant
52 Diamond Street, Brooklyn, NY 11222
718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

Theatre Projects Consultants | Theater Consultant
47 Water Street
South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

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22 West 19th Street, Floor 6
New York, NY 10011
212 691 3020 | fmsp.com

Jaffe Holden | Acoustic Consultant
114-A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

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11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

New York, NY 10036

Sheet Title:

TRUSS ELEVATIONS IX

Project Number: 13649

Drawn By: Author

Checked By: Checker

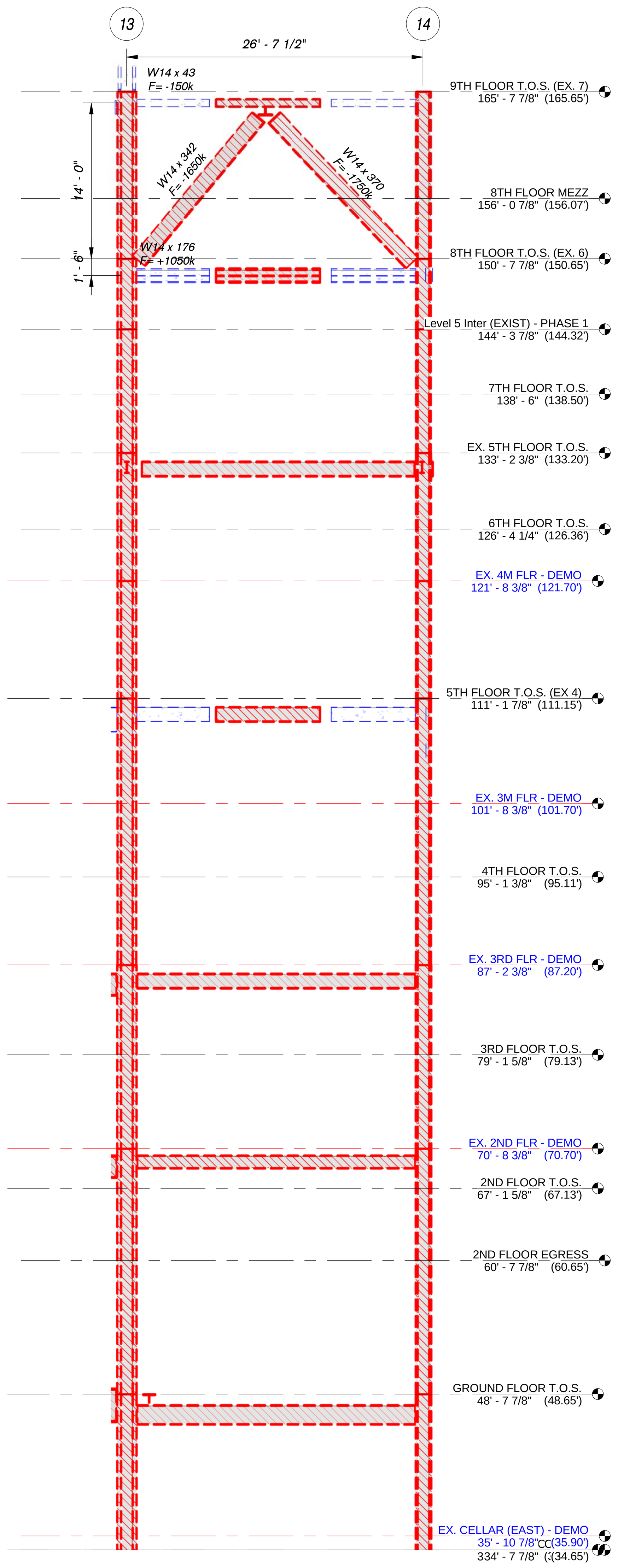
Scale: As indicated

Signature & Seal:

Sheet Number:

S-409.00

8/7/2017 8:35:20 PM



TRUSS T-20 (NEW)

1/8" = 1'-0"

TRUSS T-21

NOT USED

TRUSS T-22

NOT USED

LEGEND:

EXISTING STRUCTURE TO BE DEMOLISHED

EXISTING STRUCTURE TO REMAIN

NEW CONSTRUCTION

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212.691.2440 | pbdw.com

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275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
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Two Pennsylvania Plaza, 3rd Floor
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212.615.3600 | cosentini.com

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TORONTO, ON M4M 2M3
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21 Penn Plaza
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212.479.5400 | langan.com

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New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
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242 West 30th Street, Level 2
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212.209.1536

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07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:

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New York, NY 10036

Sheet Title:

TRUSS ELEVATIONS X

Project Number: 13649

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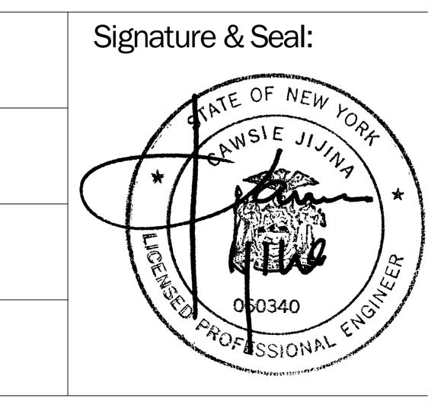
Checked By: Checker

Scale: As indicated

Signature & Seal:



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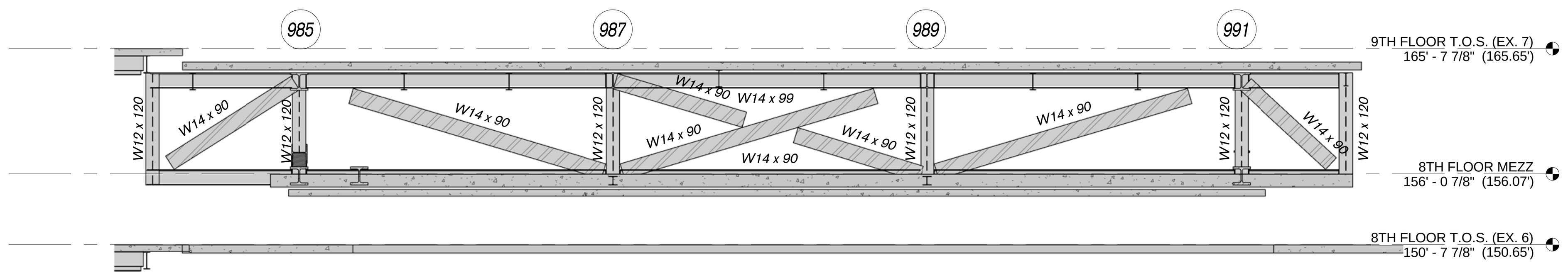
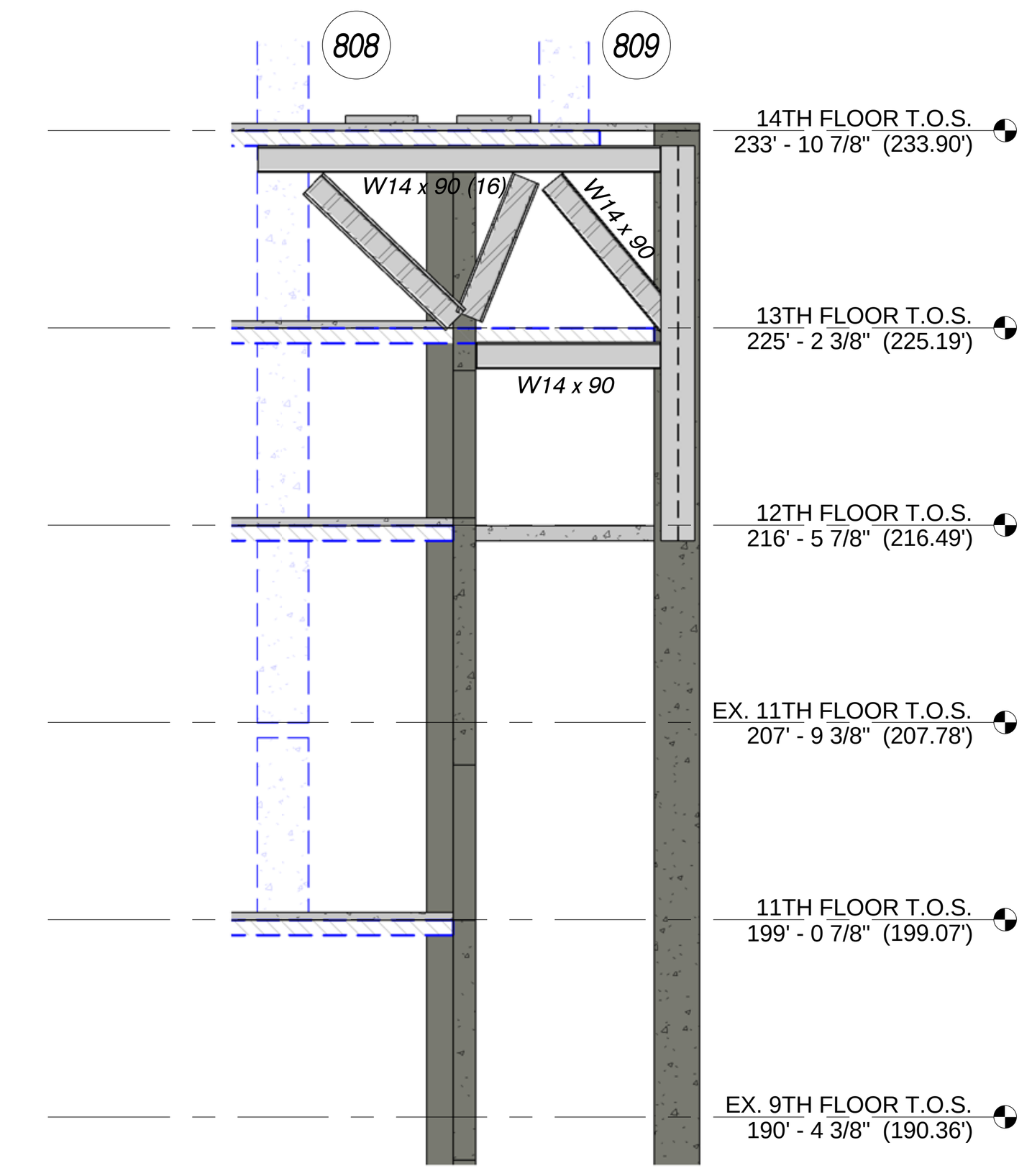


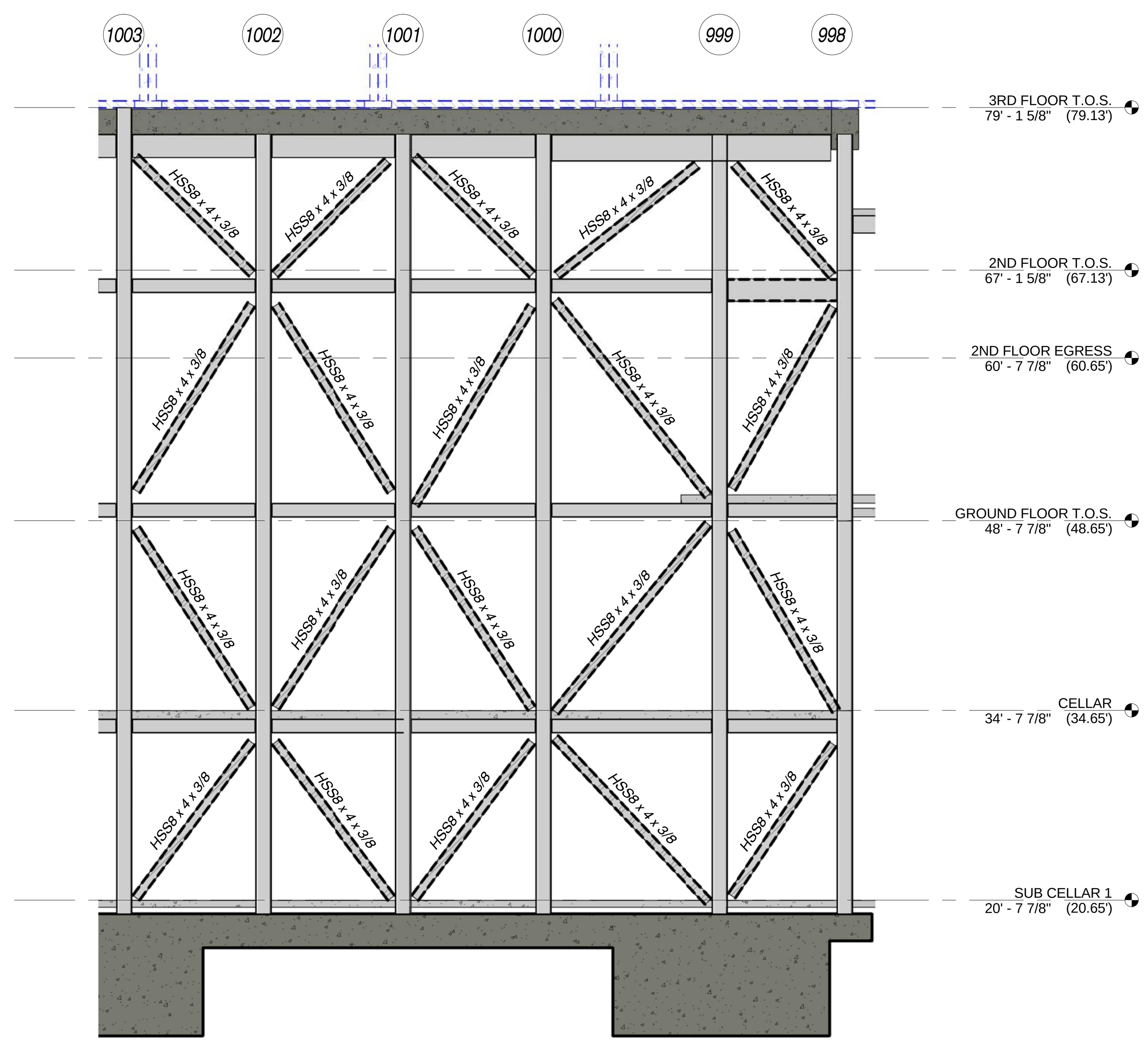
TRUSS T-23 (NEW)

1/8" = 1'-0"



TRUSS T-24 (NEW)

1/8" = 1'-0"



TRUSS T-25 (NEW)

1/8" = 1'-0"

LEGEND:

EXISTING STRUCTURE TO BE DEMOLISHED

EXISTING STRUCTURE TO REMAIN

NEW CONSTRUCTION

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
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212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
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212.938.1260 | manciniduffy.com

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South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

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Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
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TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
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04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

New York, NY 10036

Sheet Title:

TRUSS ELEVATIONS XI

Project Number: 13649

Drawn By: Author

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Scale: As indicated

Signature & Seal:

Sheet Number:

S-411.00

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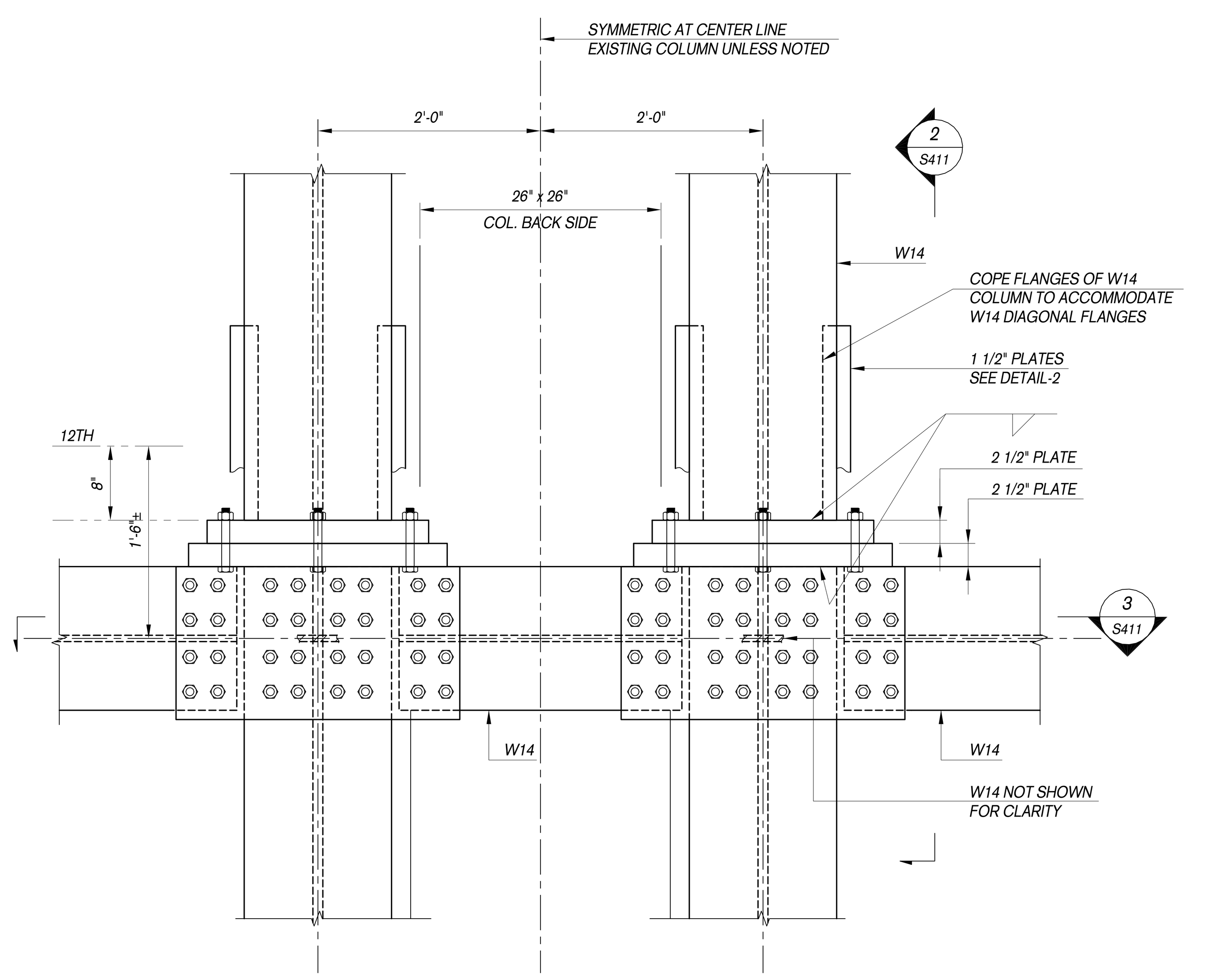

DETAIL 1
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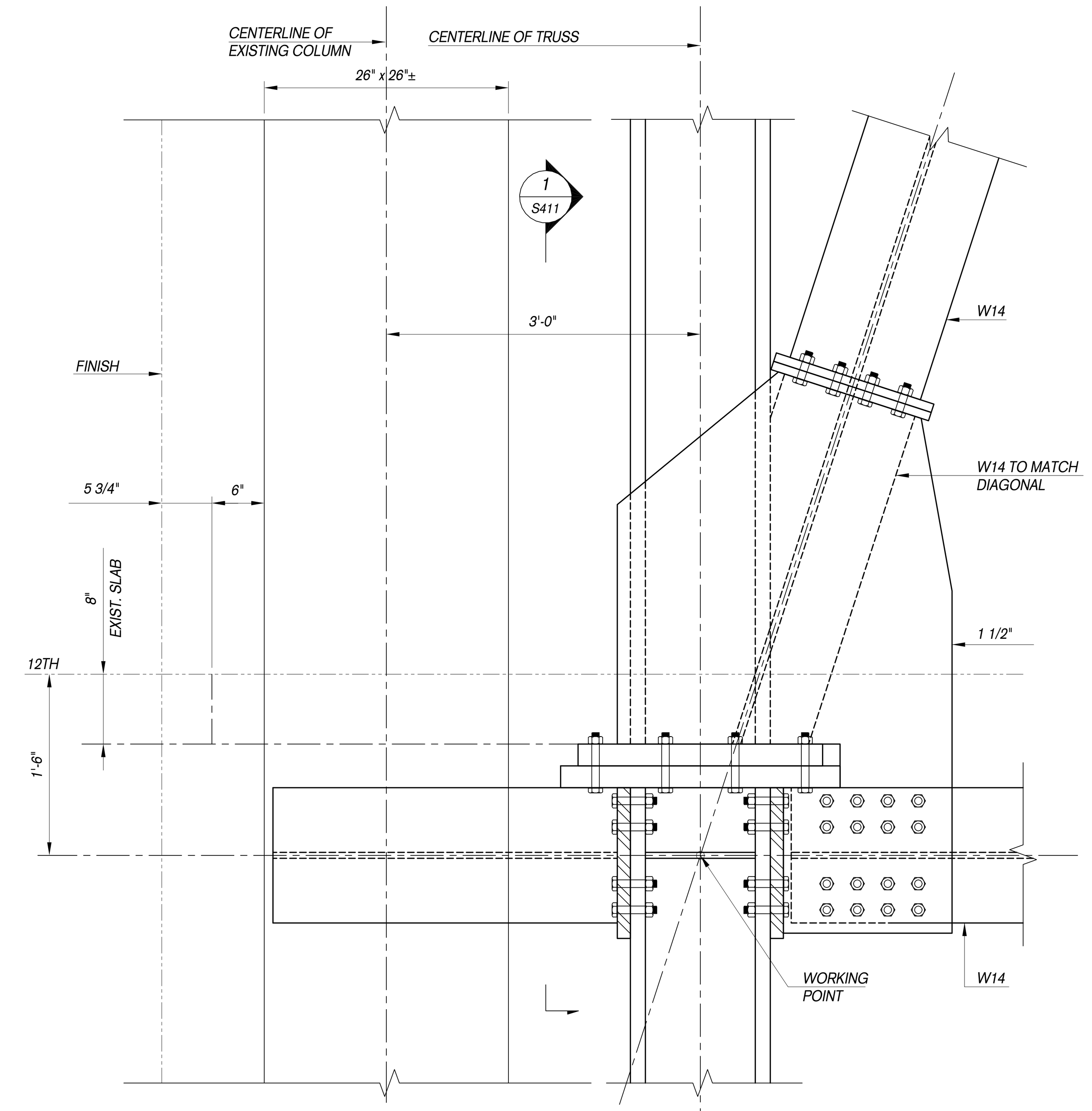
S411



DETAIL 2
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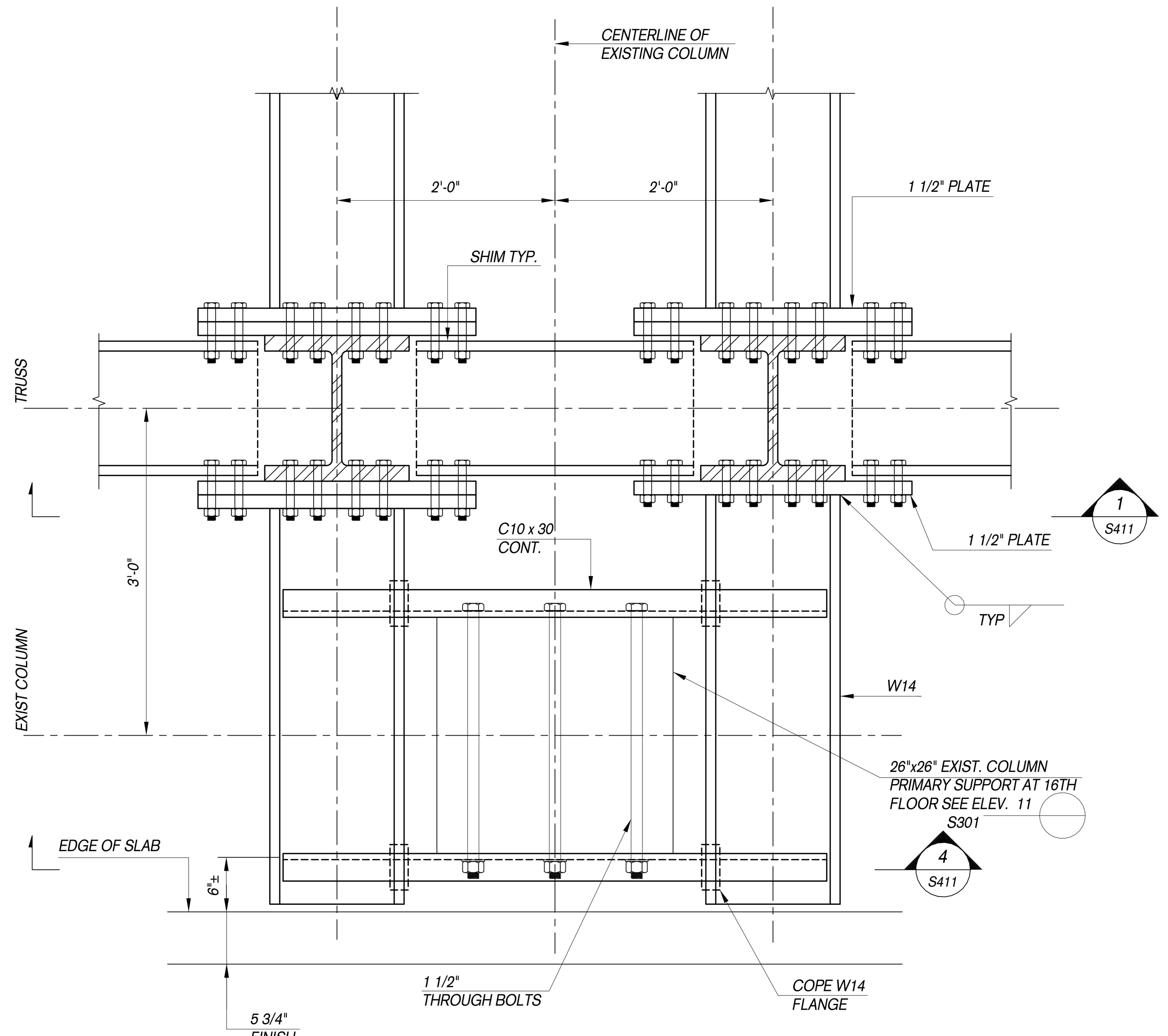
S411



PLAN DETAIL 3
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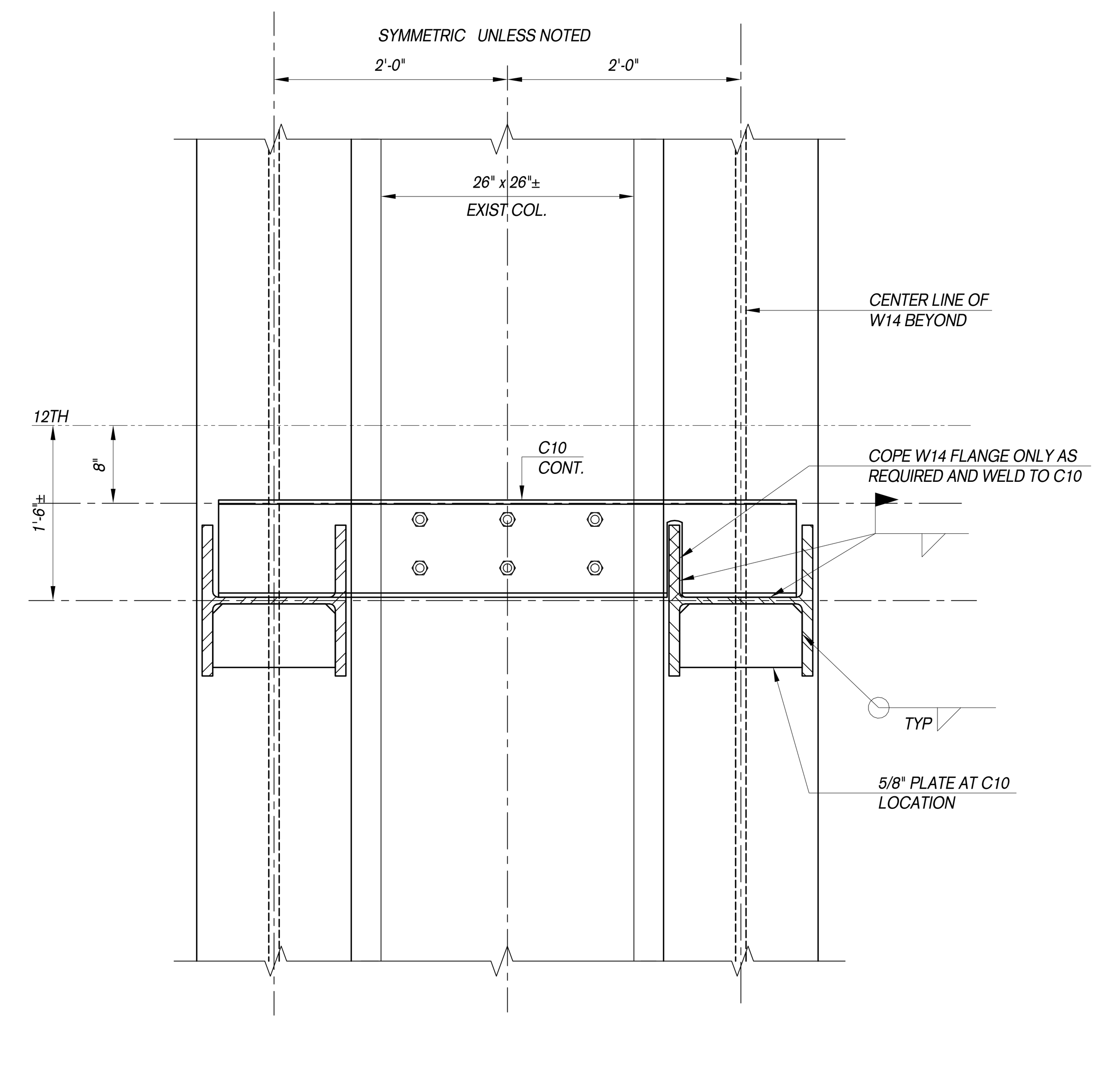
S411



DETAIL 4
1" = 1'-0"
S411

EXISTING CONCRETE COLUMN CONNECTION TO
STEEL TRUSS AT 12TH FLOOR.

CONCEPTUAL DETAILS FOR JACKING OF
CONCRETE COLUMNS

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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52 Diamond Street, Brooklyn, NY 11222
718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

Theatre Projects Consultants | Theater Consultant
47 Water Street
South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

Fisher Marantz Stone | Lighting Design
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New York, NY 10011
212 691 3020 | fmsp.com

Jaffe Holden | Acoustic Consultant
114-A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
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242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

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Project:
1568 Broadway

New York, NY 10036

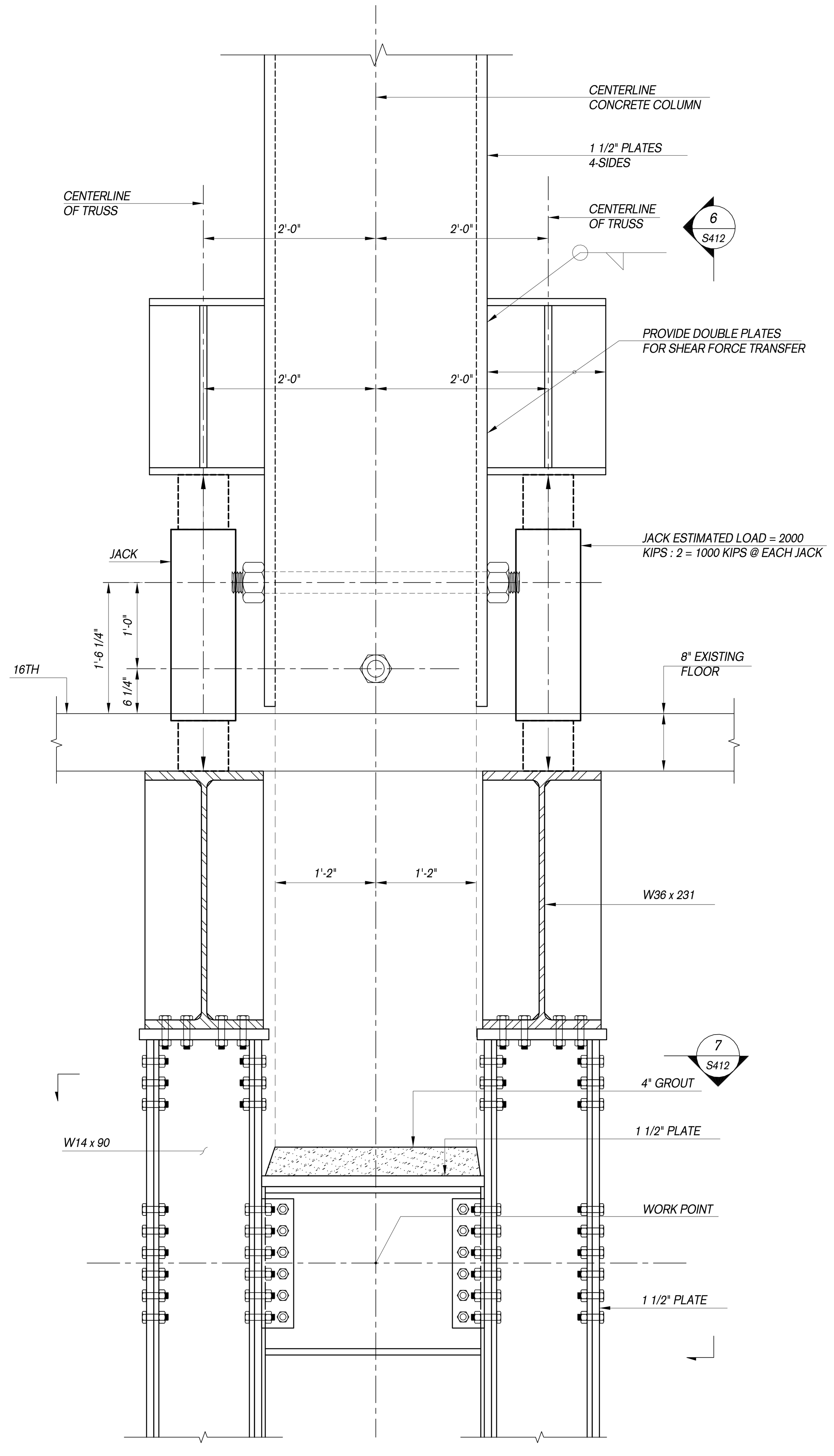
Sheet Title:
TRUSS SECTIONS AND DETAILS I

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: 1" = 1'-0"
Signature & Seal:

Sheet Number:
S-421.00

NYC DOB Number:
Sheet: of

12/9/2016 11:25:29 AM



DETAIL 5 / S412
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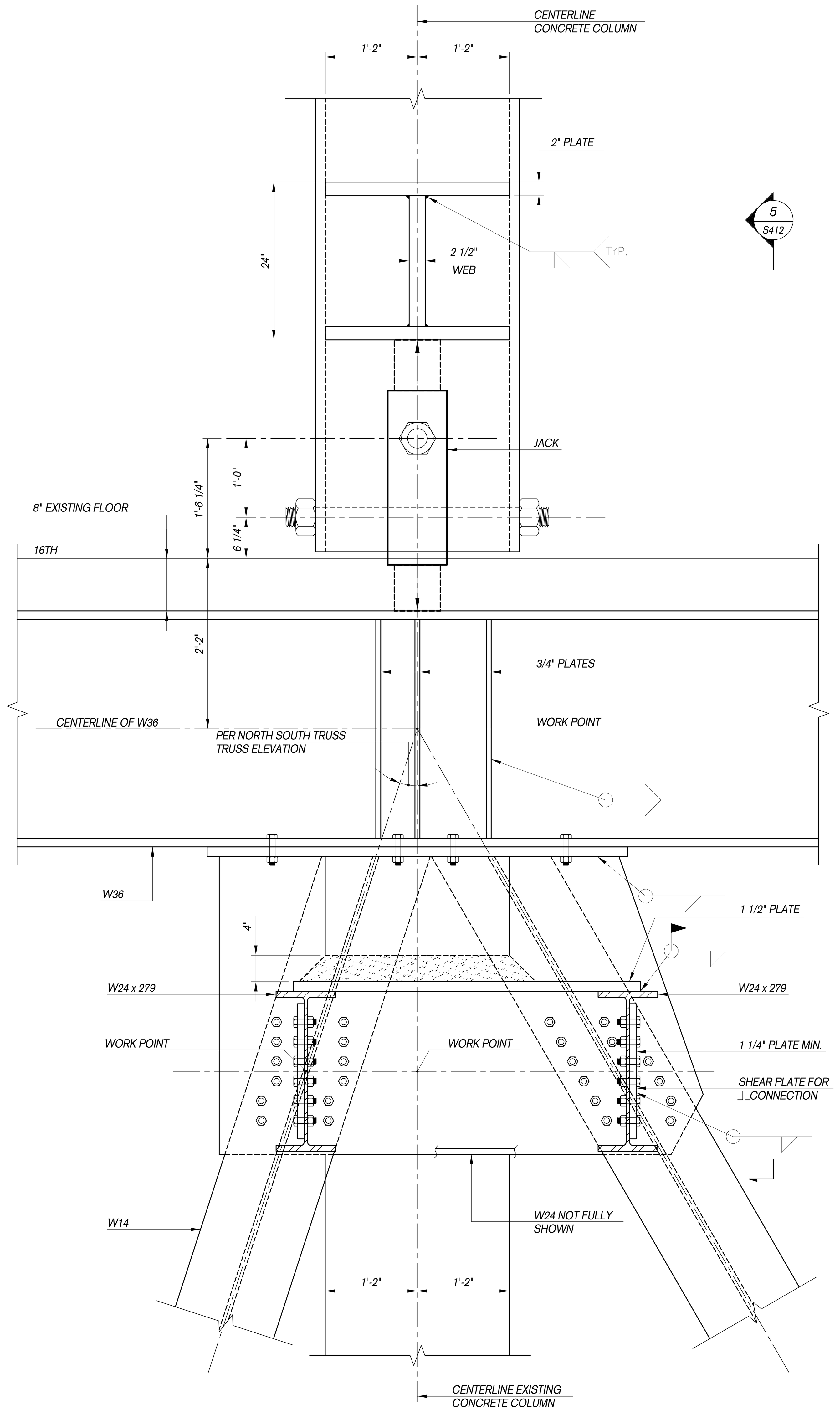

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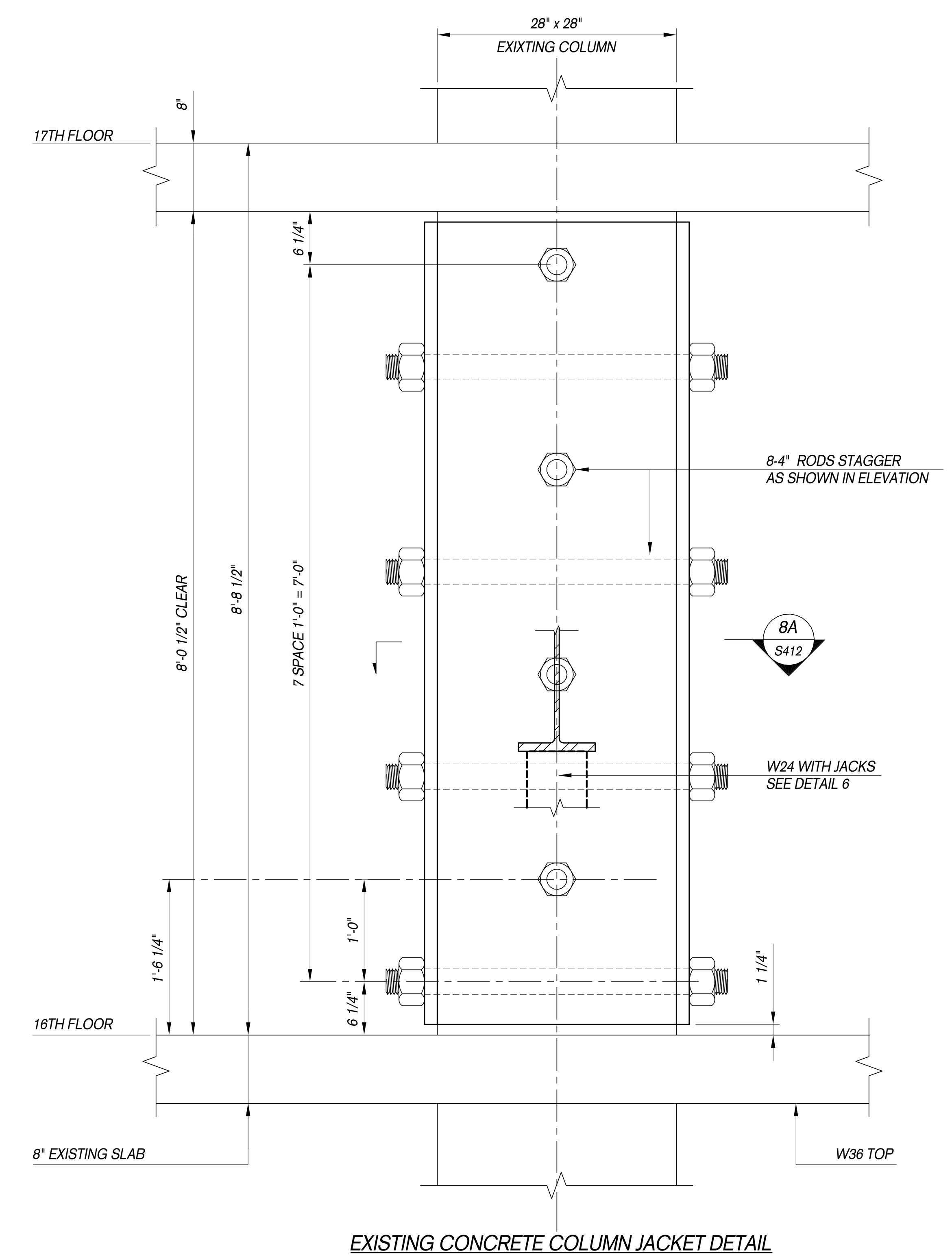
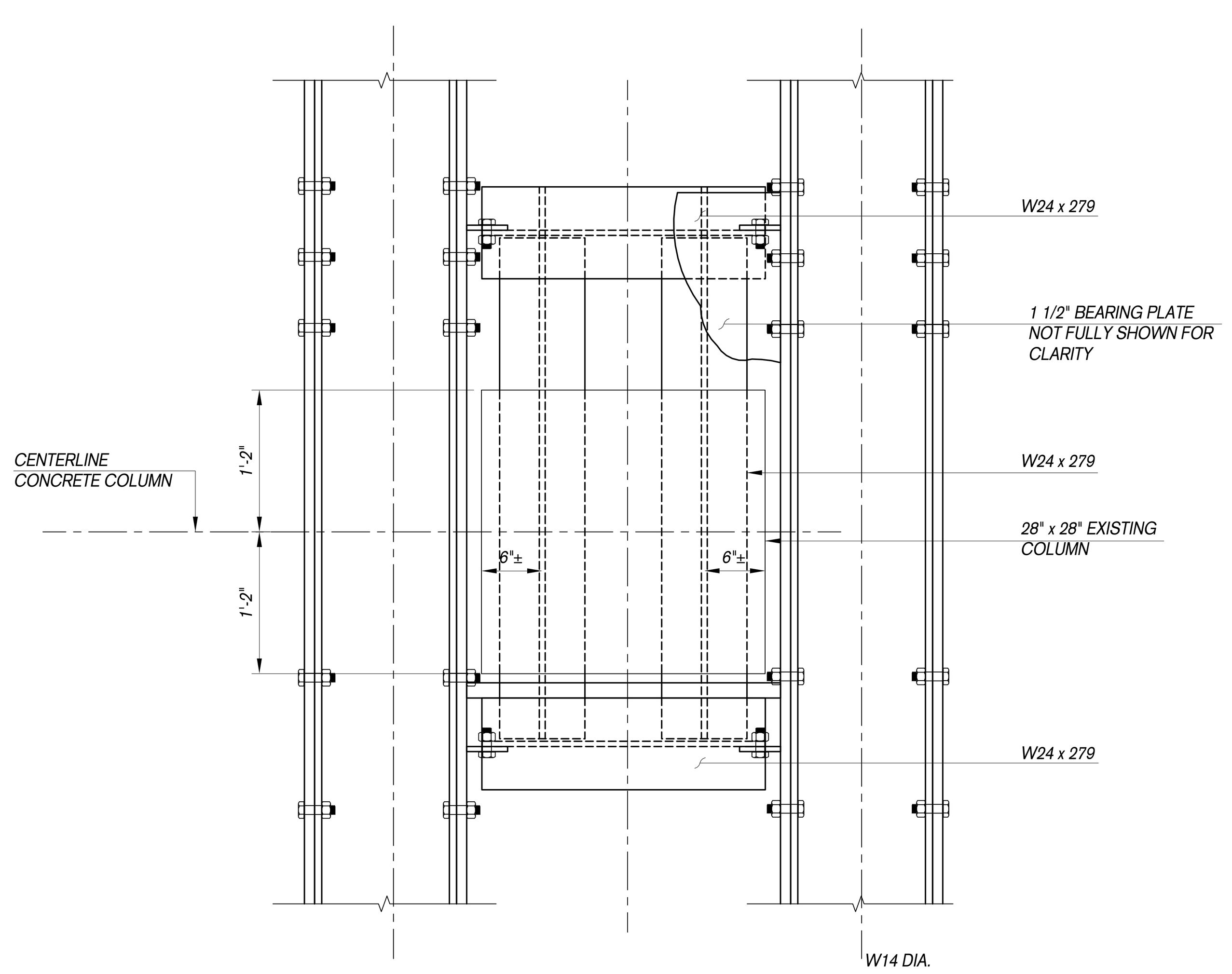


EXISTING CONCRETE COLUMN JACKET DETAIL

DETAIL 8 / S412
1" = 1'-0"



DETAIL 7 / S412
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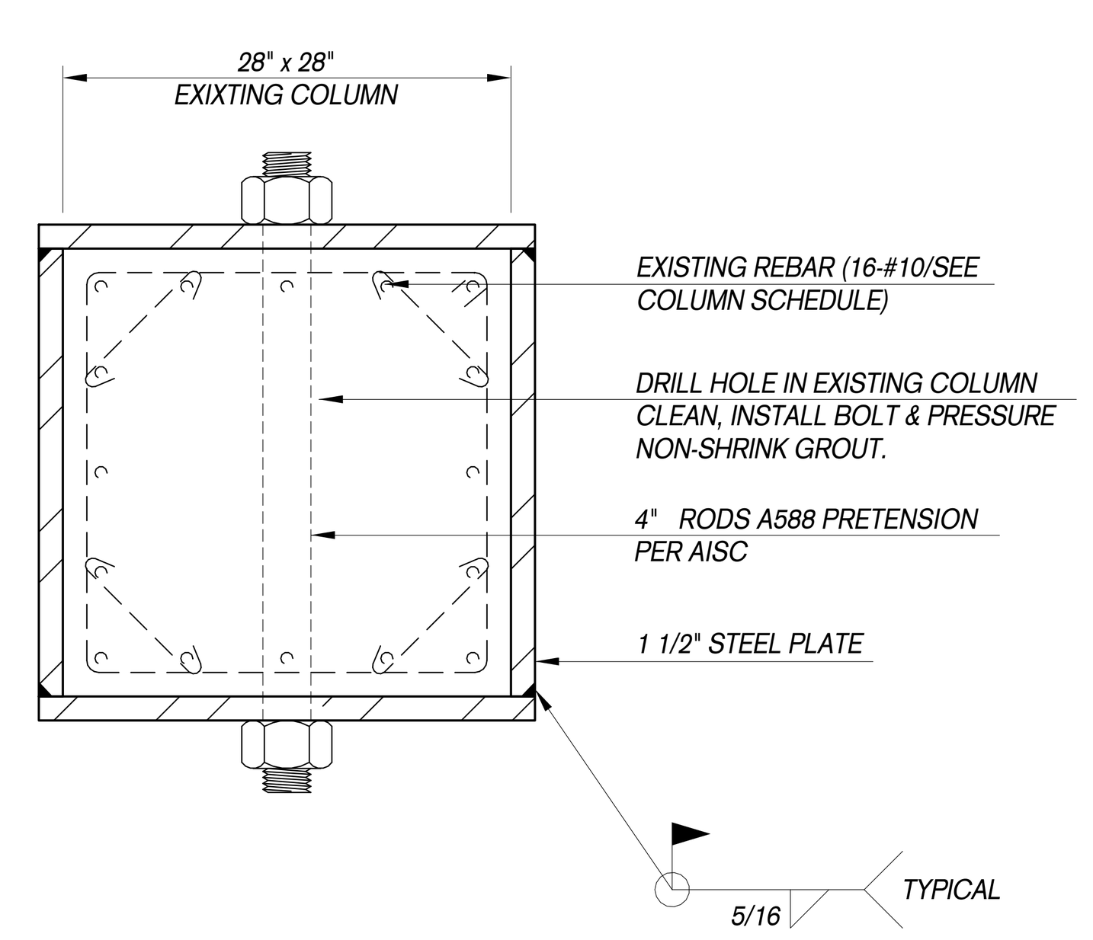

PLAN DETAIL 8A / S412
1" = 1'-0"

CONCEPTUAL DETAILS FOR JACKING OF CONCRETE COLUMNS

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

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Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

Fisher Marantz Stone | Lighting Design
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Norwalk, CT 06854
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TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

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212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
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New York, NY 10001
212.209.1536

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Project:
1568 Broadway
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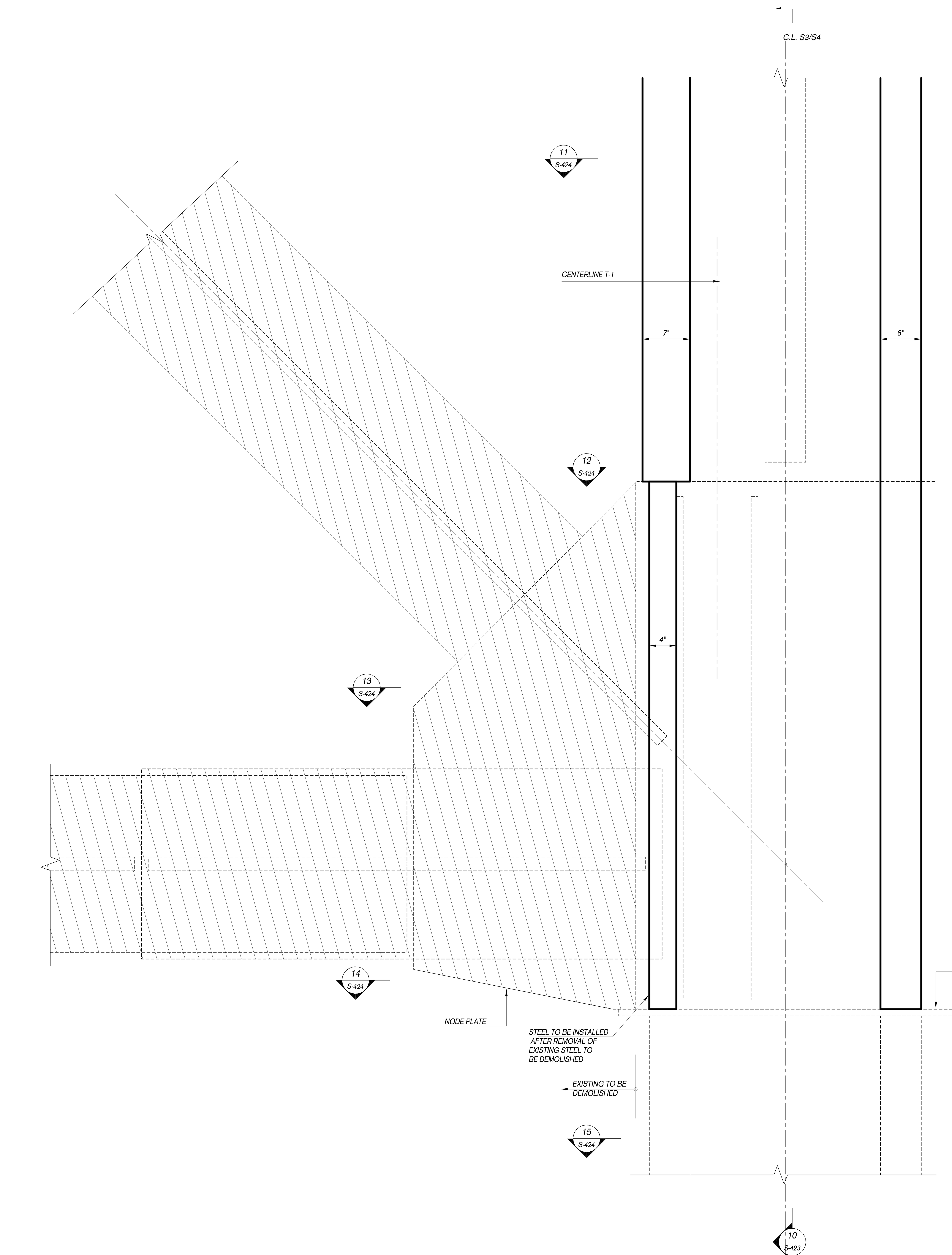
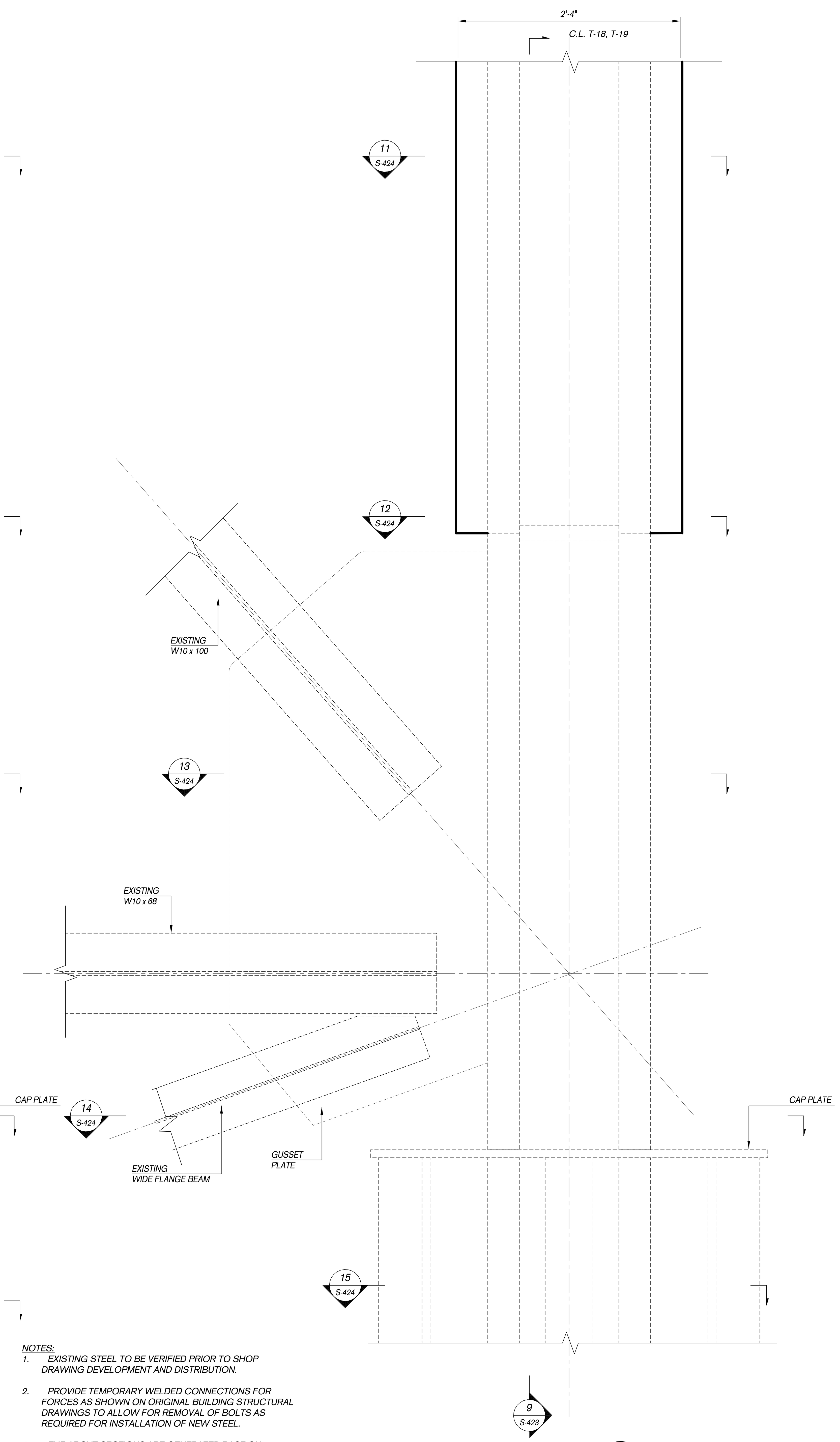
Sheet Title:
TRUSS SECTIONS AND DETAILS II

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: 1" = 1'-0"
Signature & Seal:
Sheet Number: S-422.00
NYC DOB Number:
Sheet: of



SECTION 9 S-423
1 1/2" - 1'- 0"



SECTION 10 S-423
1 1/2" = 1'-0"

NOTES:

1. EXISTING STEEL TO BE VERIFIED PRIOR TO SHOP DRAWING DEVELOPMENT AND DISTRIBUTION.
2. PROVIDE TEMPORARY WELDED CONNECTIONS FOR FORCES AS SHOWN ON ORIGINAL BUILDING STRUCTURAL DRAWINGS TO ALLOW FOR REMOVAL OF BOLTS AS REQUIRED FOR INSTALLATION OF NEW STEEL.
3. THE ABOVE SECTIONS ARE GENERATED BASE ON ASSUMED COLUMN AND PLATE SIZES AS THE ORIGINAL SIZES WERE NOT AVAILABLE. ALL EXISTING SIZES TO BE VERIFIED IN FIELD.
4. ALL PLATES TO BE 50KSI STEEL.

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

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New York, NY 10001
212.938.1260 | manciniduffy.com

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New York City, New York 10005
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Urban Foundation Engineering | Foundation Engineer
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Flushing, NY 11369
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Project:

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New York, NY 10036

Sheet Title:

EXISTING DETAILS

Project Number: 13649

Drawn By: Author

Checked By: Checker

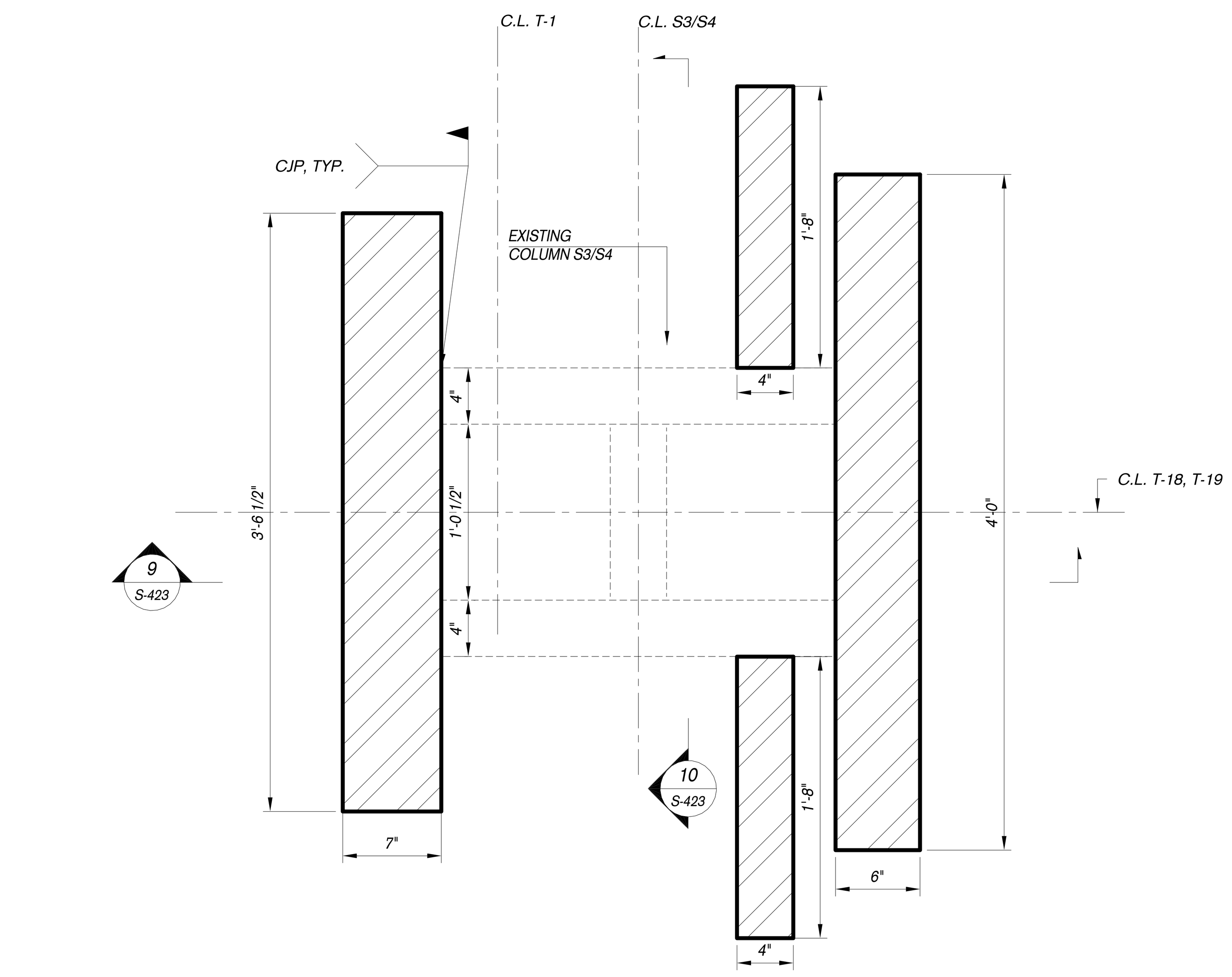
Scale: 1 1/2" = 1'-0"

Signature & Seal:

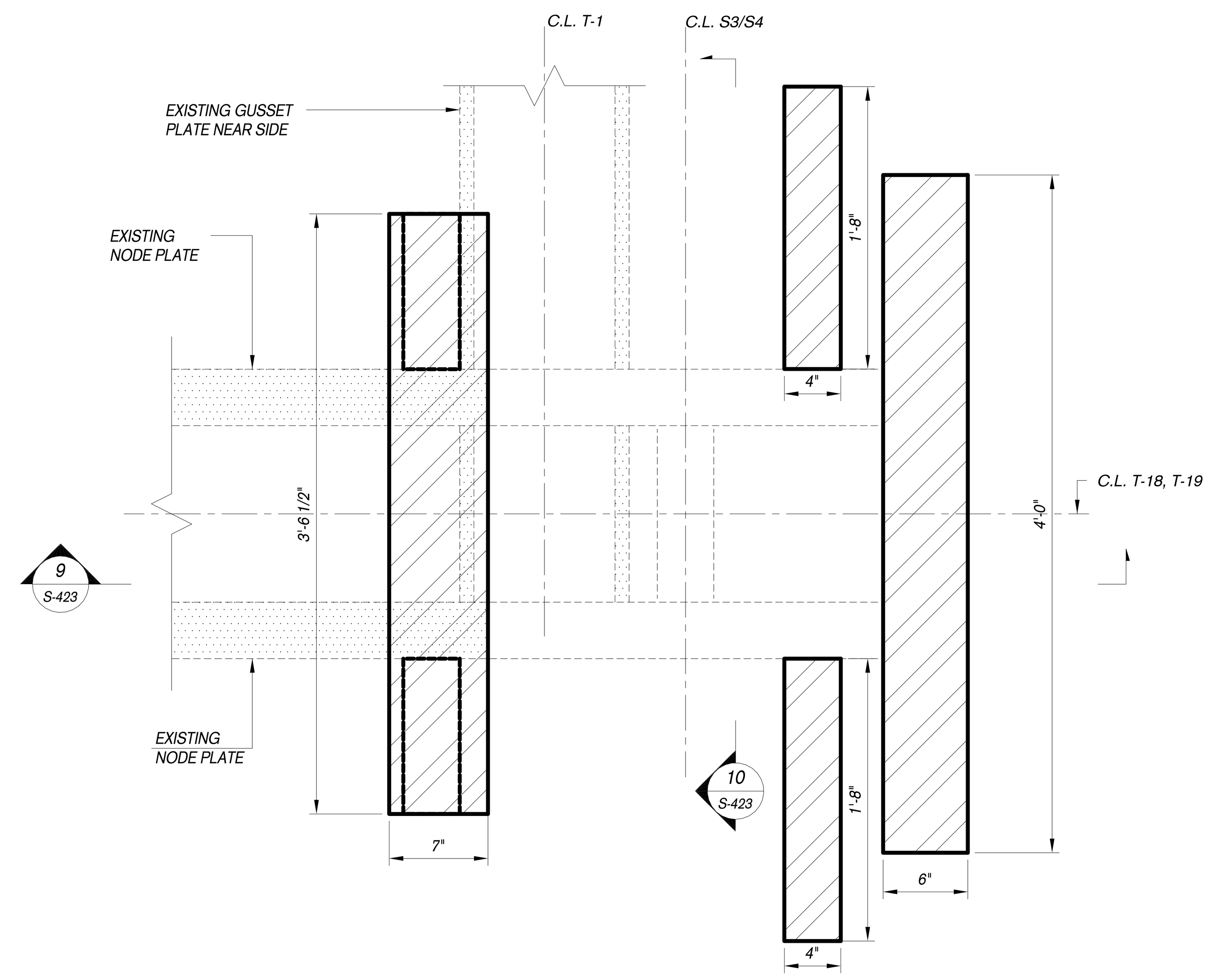
Sheet Number: S-423.00

NYC DOB Number:

Sheet: of



SECTION 11
1 1/2" = 1'-0"
S-424



SECTION 12
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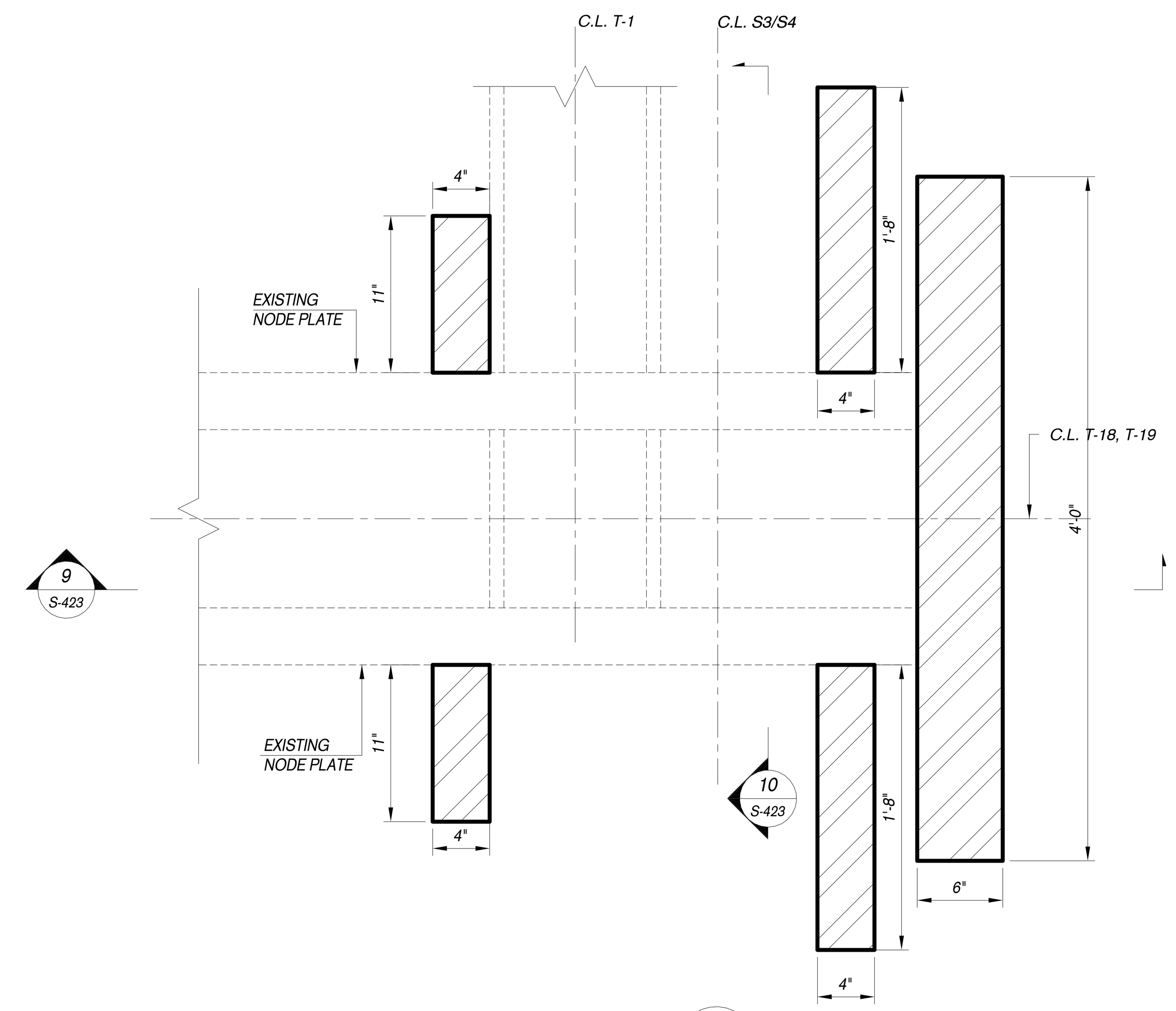
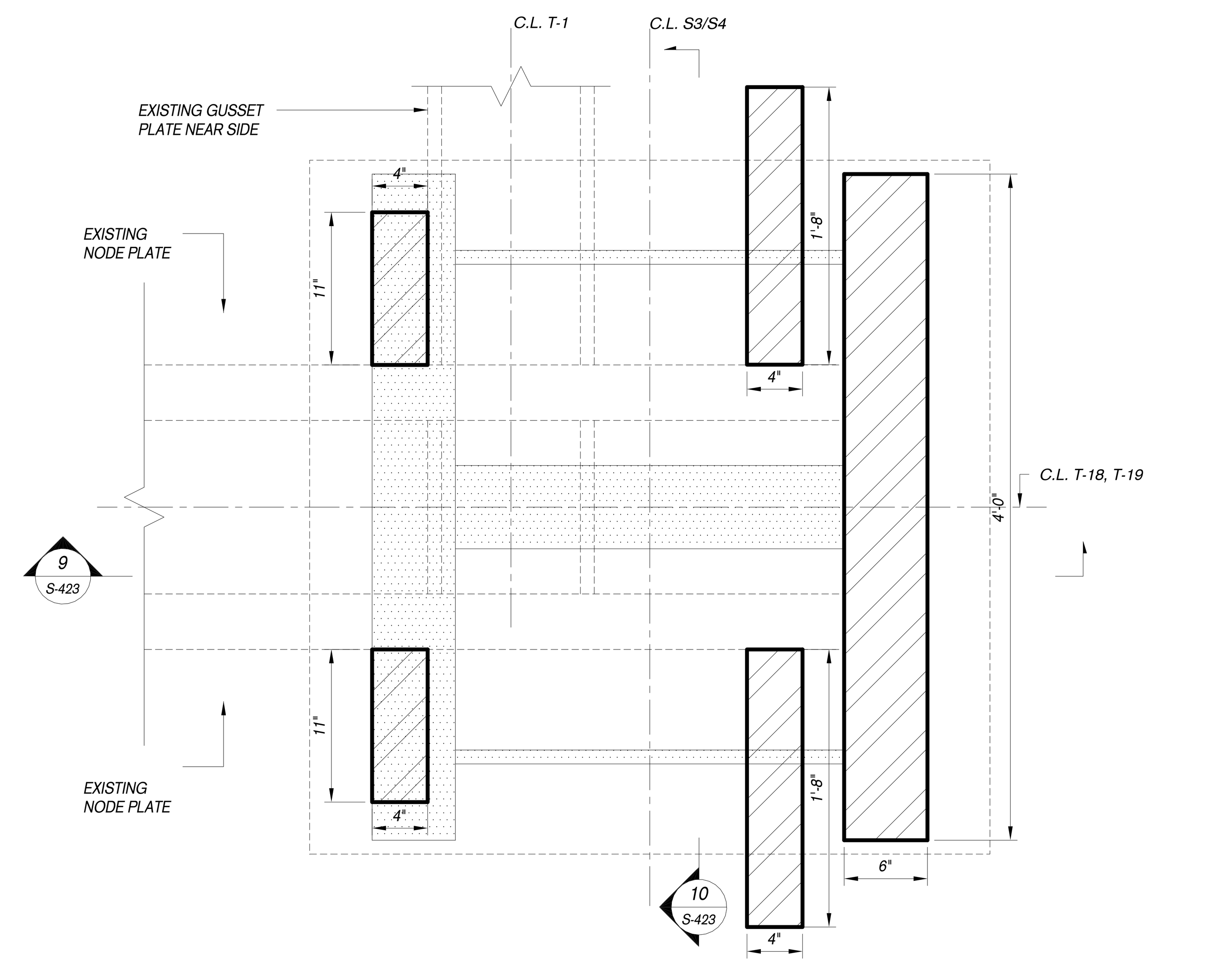
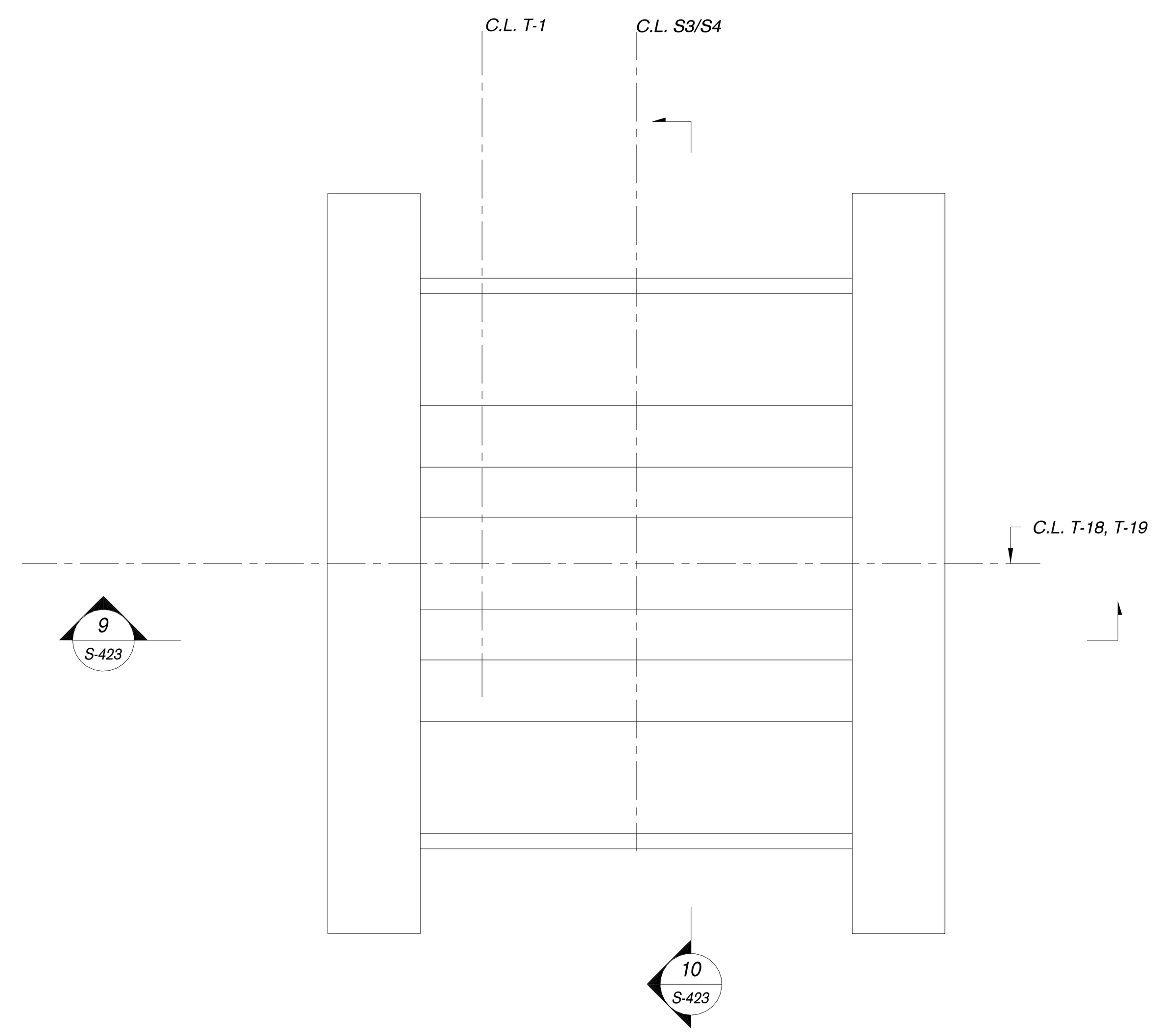
S-424



SECTION 13
1 1/2" = 1'-0"
S-424



SECTION 14
1 1/2" = 1'-0"
S-424



SECTION 15
1 1/2" = 1'-0"
S-424

NOTES:

1. EXISTING STEEL TO BE VERIFIED PRIOR TO SHOP DRAWING DEVELOPMENT AND DISTRIBUTION.

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3. THE ABOVE SECTIONS ARE GENERATED BASE ON ASSUMED COLUMN AND PLATE SIZES AS THE ORIGINAL SIZES WERE NOT AVAILABLE. ALL EXISTING SIZES TO BE VERIFIED IN FIELD.
4. ALL PLATES TO BE 50KSI STEEL.

5. DENOTES STEEL BEYOND

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
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New York, NY 10121
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212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
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DOB APPROVAL STAMP

Date:	No.:	Description:
12.09.2016	15	ISSUED FOR DOB FILING
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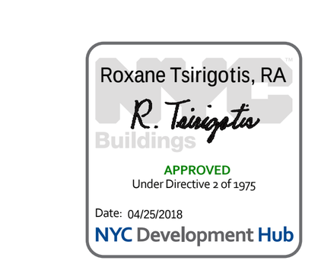
11.09.2016	13	ISSUED FOR TA FILING
11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

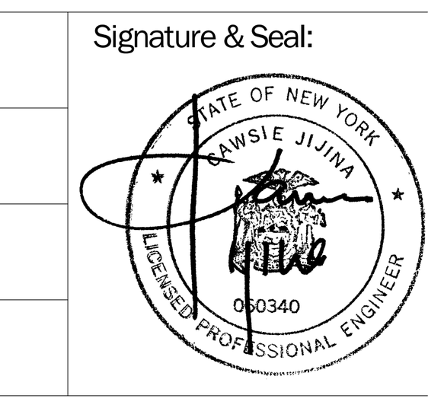
Project:
1568 Broadway
New York, NY 10036

Sheet Title:
EXISTING DETAILS



Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: 1 1/2" = 1'-0"

Signature & Seal:



Sheet Number:
S-424.00

NYC DOB Number:
Sheet:
of

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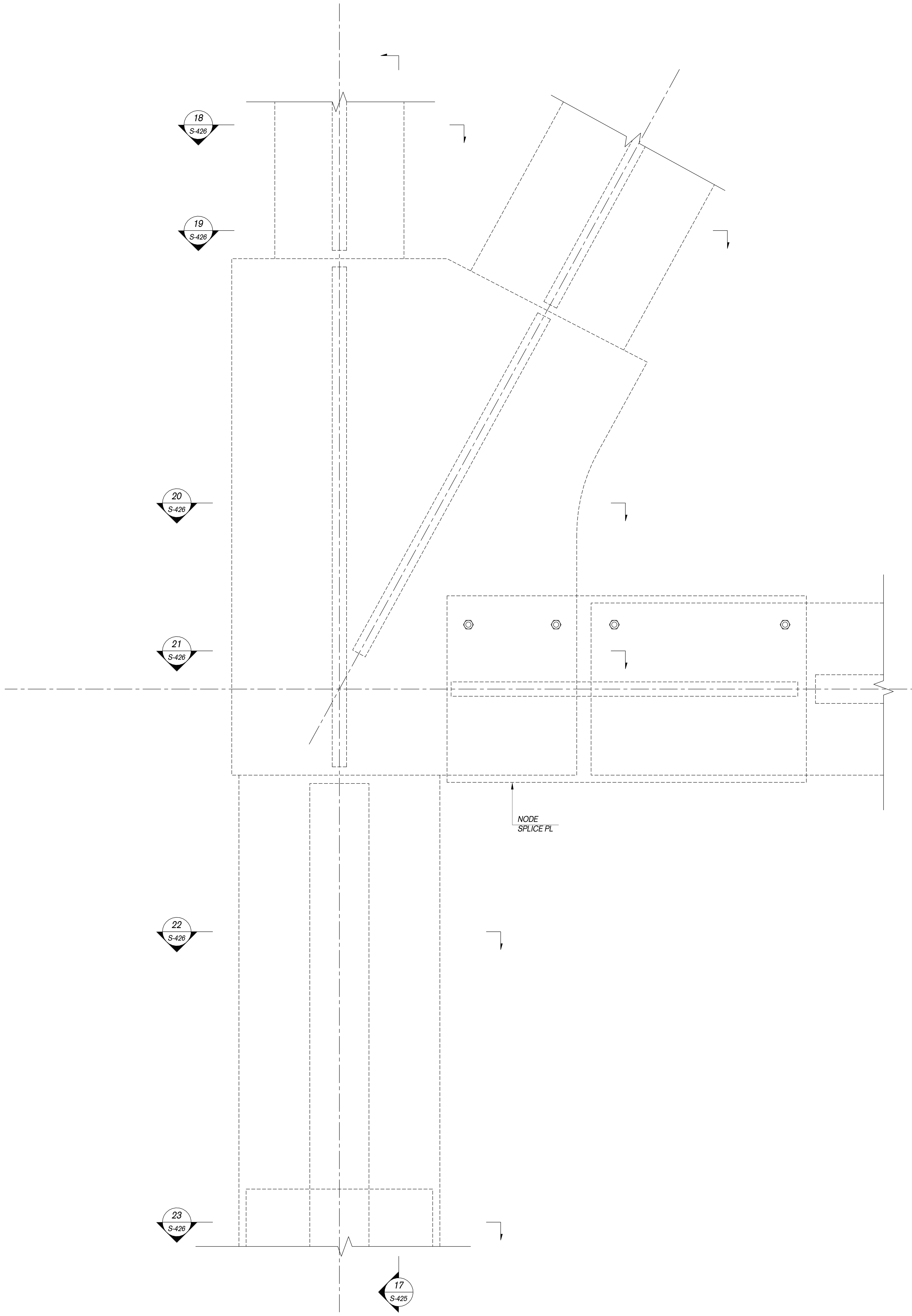

SECTION 16 S-425
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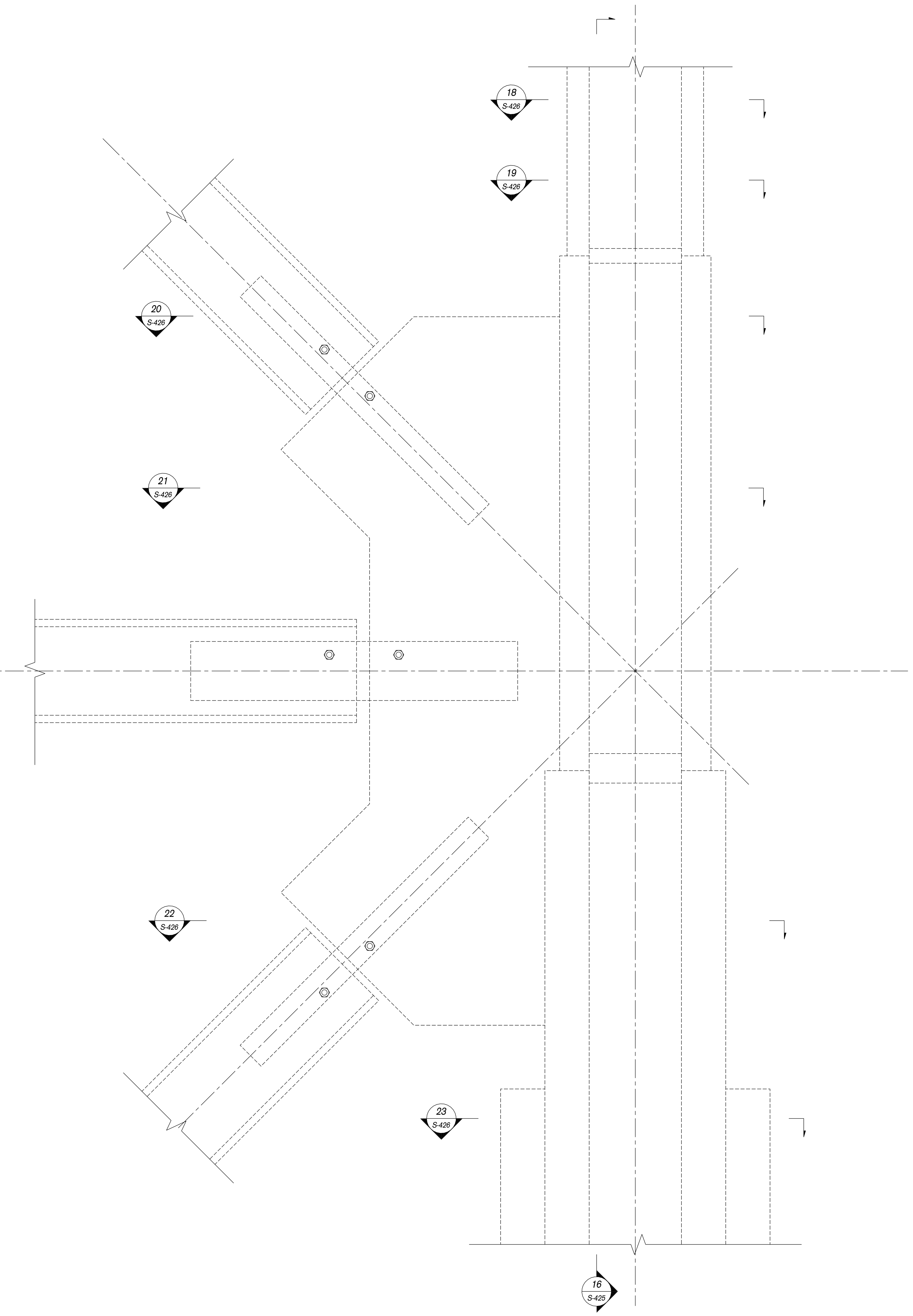

SECTION 17 S-425
1 1/2" = 1'-0"

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Mancini Duffy | Architect of Record
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New York, NY 10001
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07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway
New York, NY 10036

Sheet Title:
EXISTING DETAILS

Project Number: 13649
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Signature & Seal:

Sheet Number:
S-425.00

NYC DOB Number:

Sheet:
of

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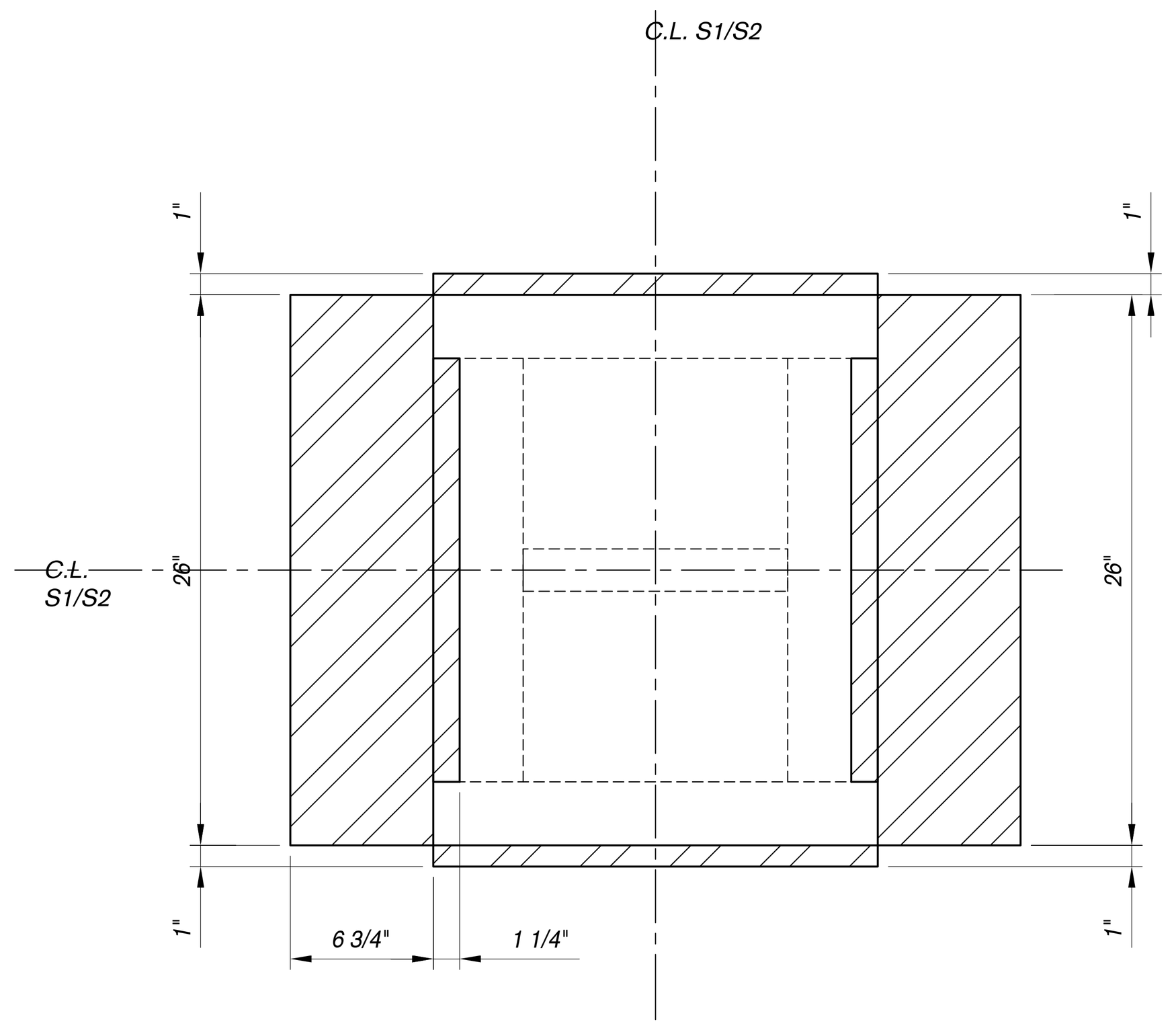

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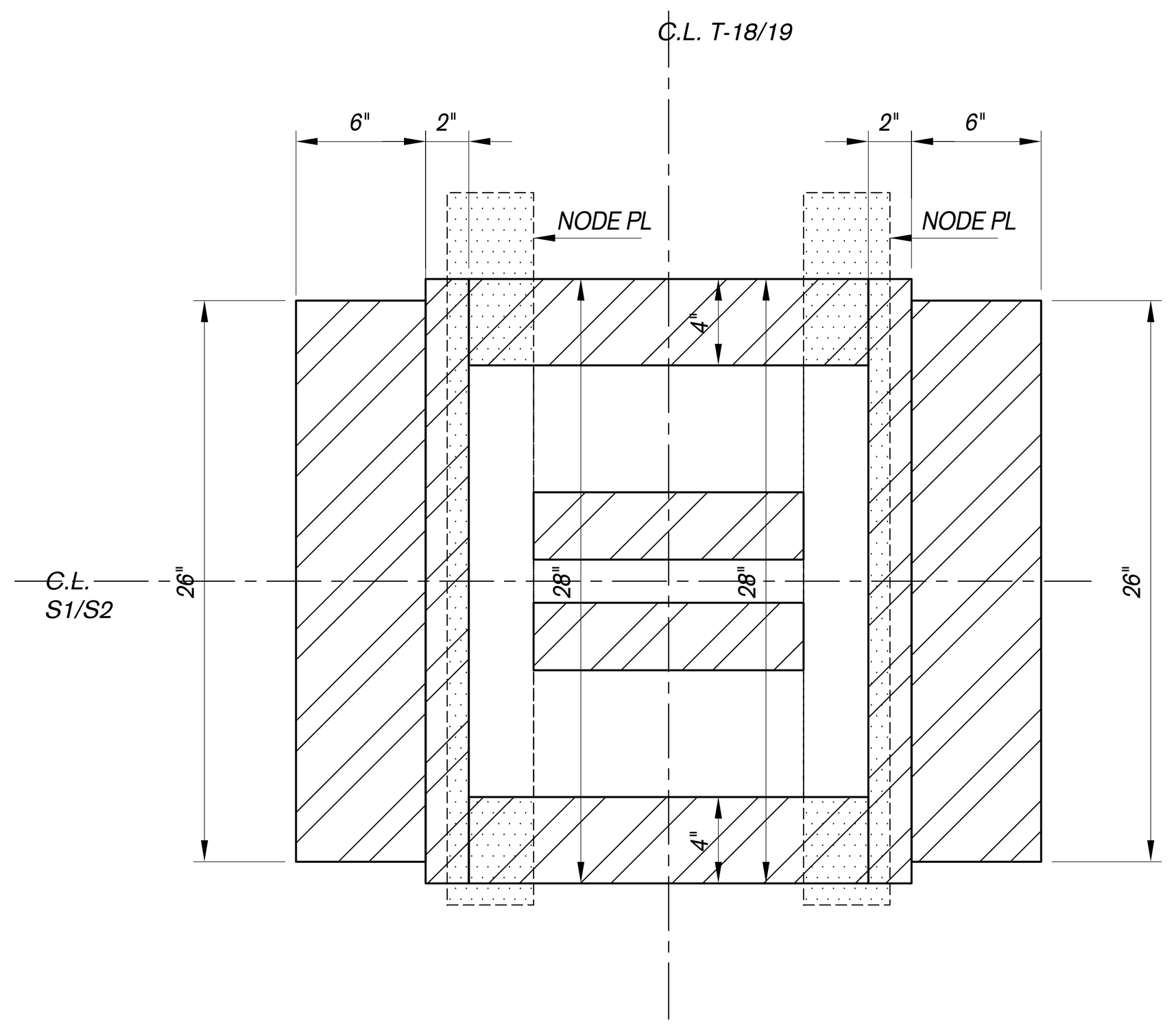

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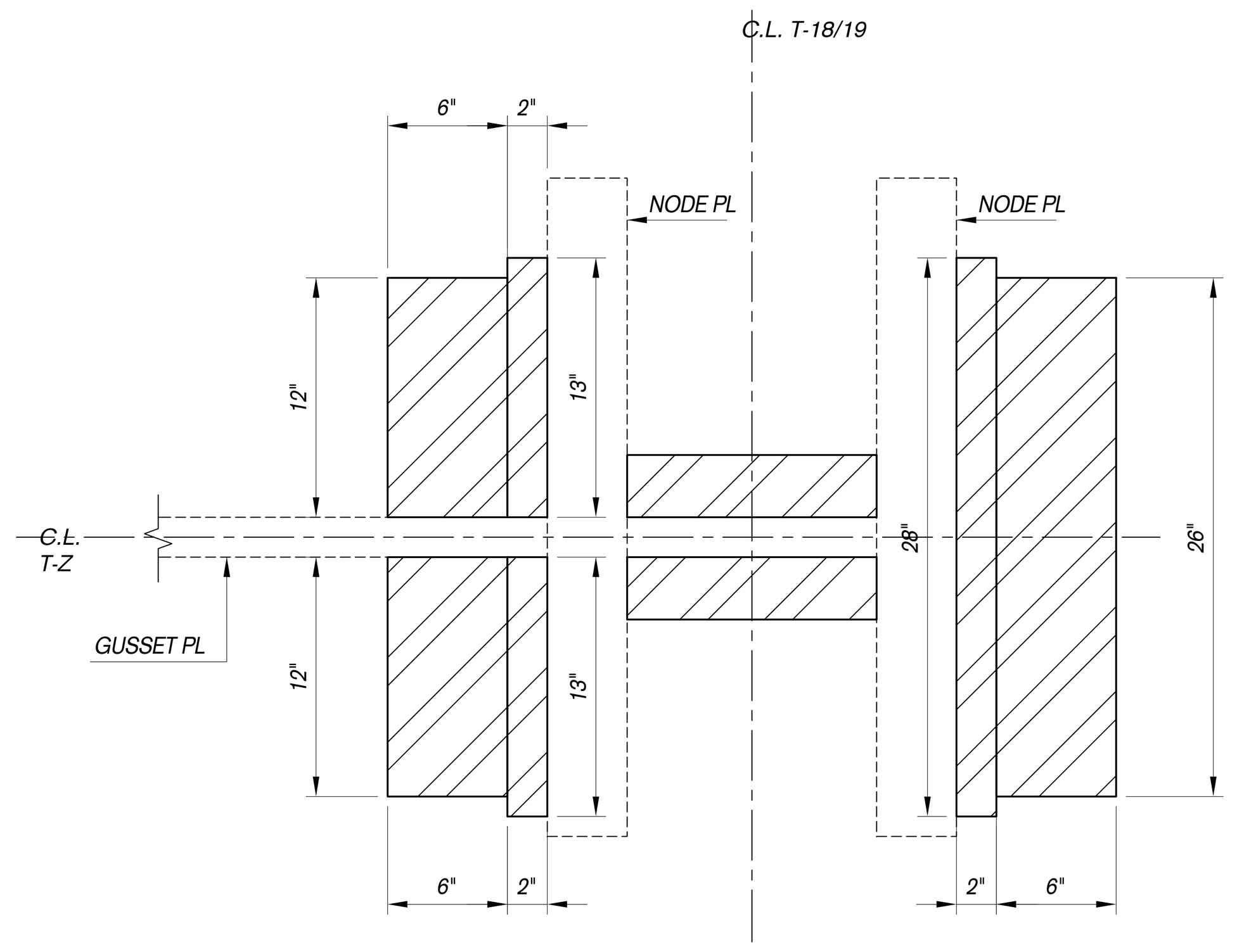

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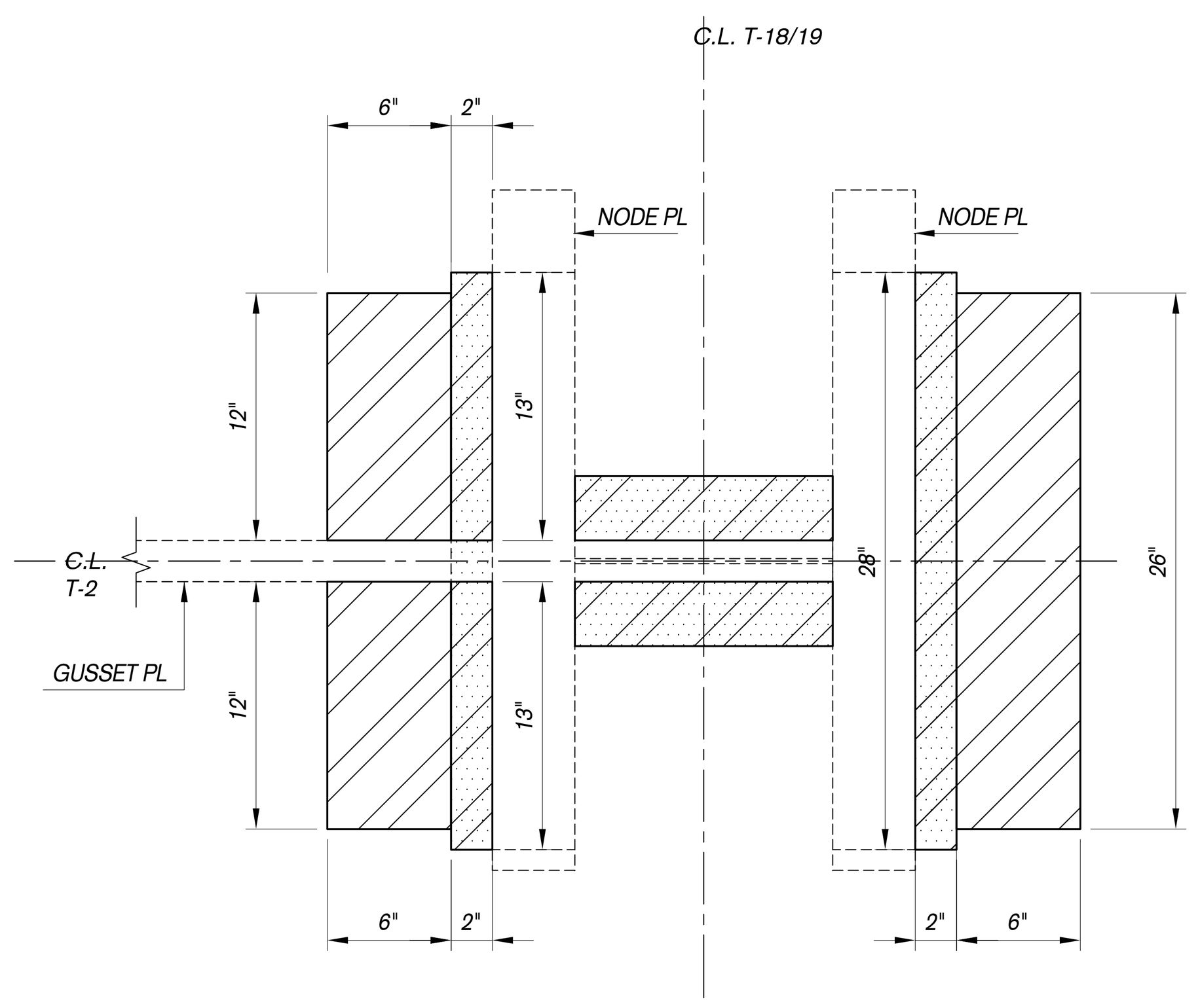

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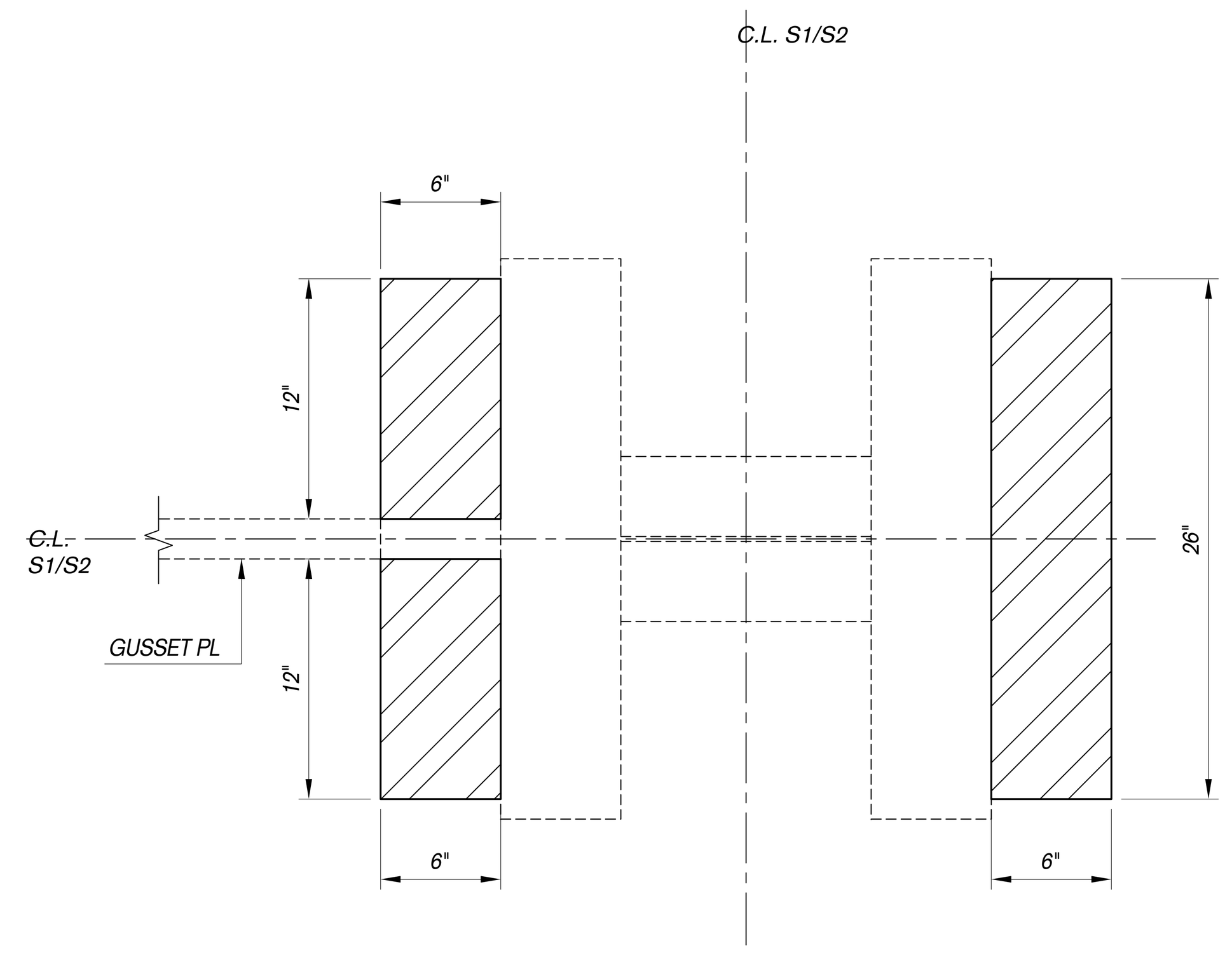
1 1/2" = 1'-0"



SECTION 22 S-426
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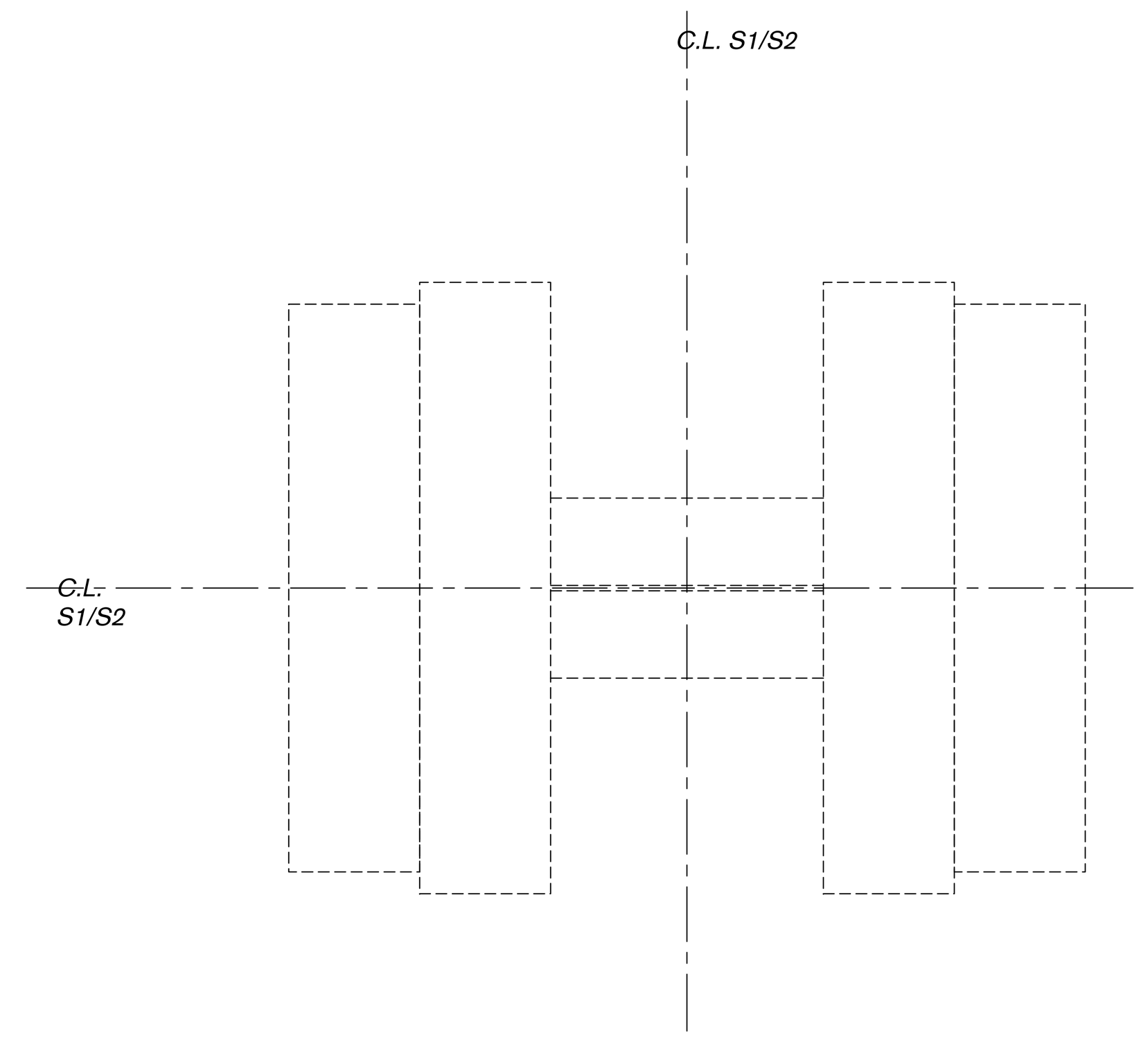

SECTION 23 S-426
1 1/2" = 1'-0"

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07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway
New York, NY 10036

Sheet Title:
EXISTING DETAILS

Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: 1 1/2" = 1'-0"
Signature & Seal:

Sheet Number: S-426.00

NYC DOB Number:
Sheet: of

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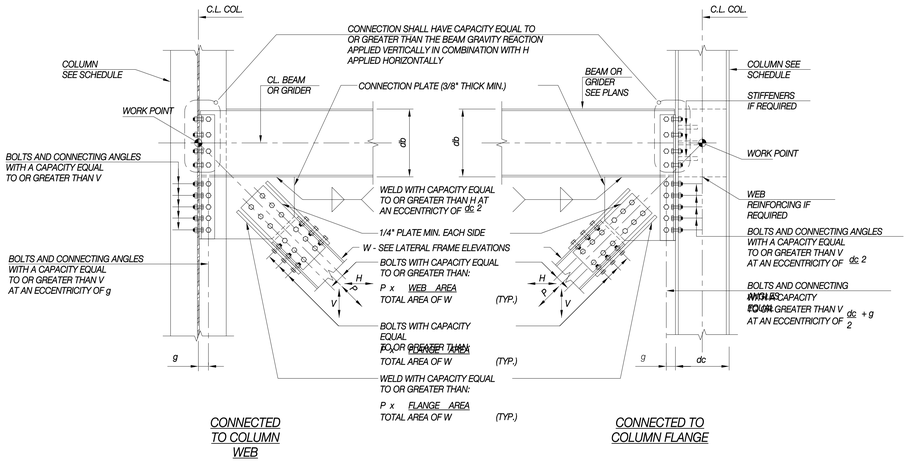
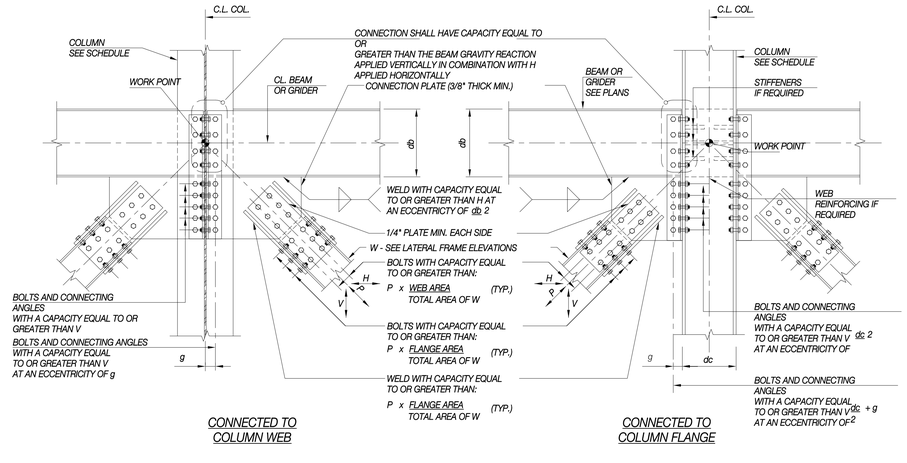


CONNECTED TO COLUMN WEB

CONNECTED TO COLUMN FLANGE

DETAIL 1



CONNECTED TO COLUMN WEB

CONNECTED TO COLUMN FLANGE

DETAIL 3

CONNECTED TO COLUMN WEB

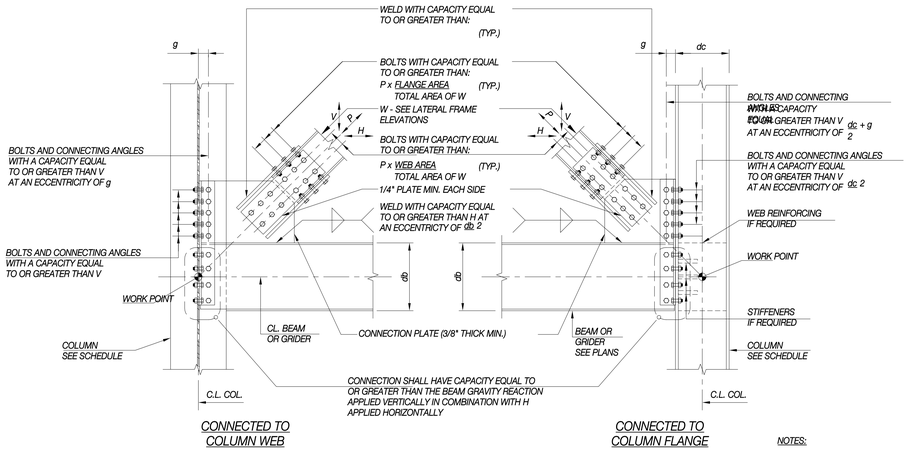
CONNECTED TO COLUMN FLANGE

DETAIL 5

CONNECTED TO COLUMN WEB

CONNECTED TO COLUMN FLANGE

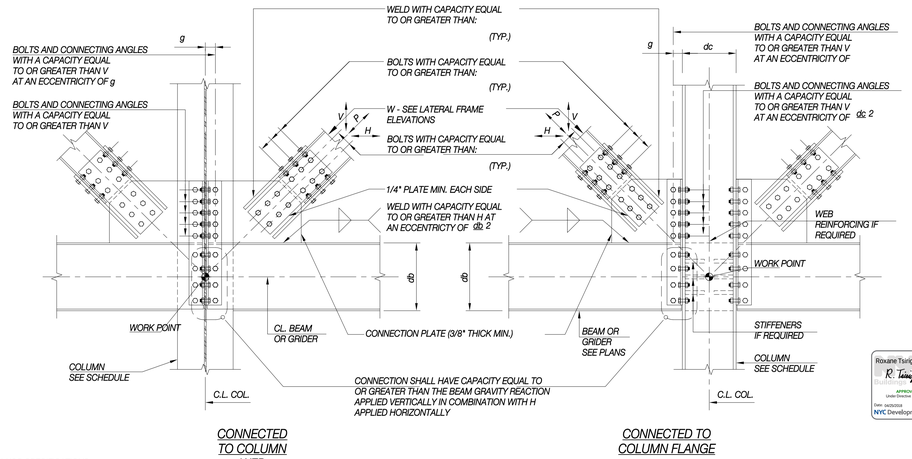
DETAIL 6



CONNECTED TO COLUMN WEB

CONNECTED TO COLUMN FLANGE

DETAIL 7



CONNECTED TO COLUMN WEB

CONNECTED TO COLUMN FLANGE

DETAIL 9

NOTES:

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3. *FOR MAGNITUDE OF BRACING FORCES (P), SEE LATERAL FRAME ELEVATIONS, DETAILS AND/OR SCHEDULES.*

PBDW ARCHITECTS

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Project:
1568 Broadway

New York, NY 10036

Sheet Title:
TYPICAL BRACING DETAILS

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: 3/4" = 1'-0"

Signature & Seal:

Roxane Tsirigotis, RA
APPROVED Under Direction of Applt.
Date: 04/25/2016
NYC Development Hub

STATE OF NEW YORK — ROXANE JEAN TSIRIGOTIS — 026340 — REGISTERED PROFESSIONAL ENGINEER

Sheet Number:
S-451.00

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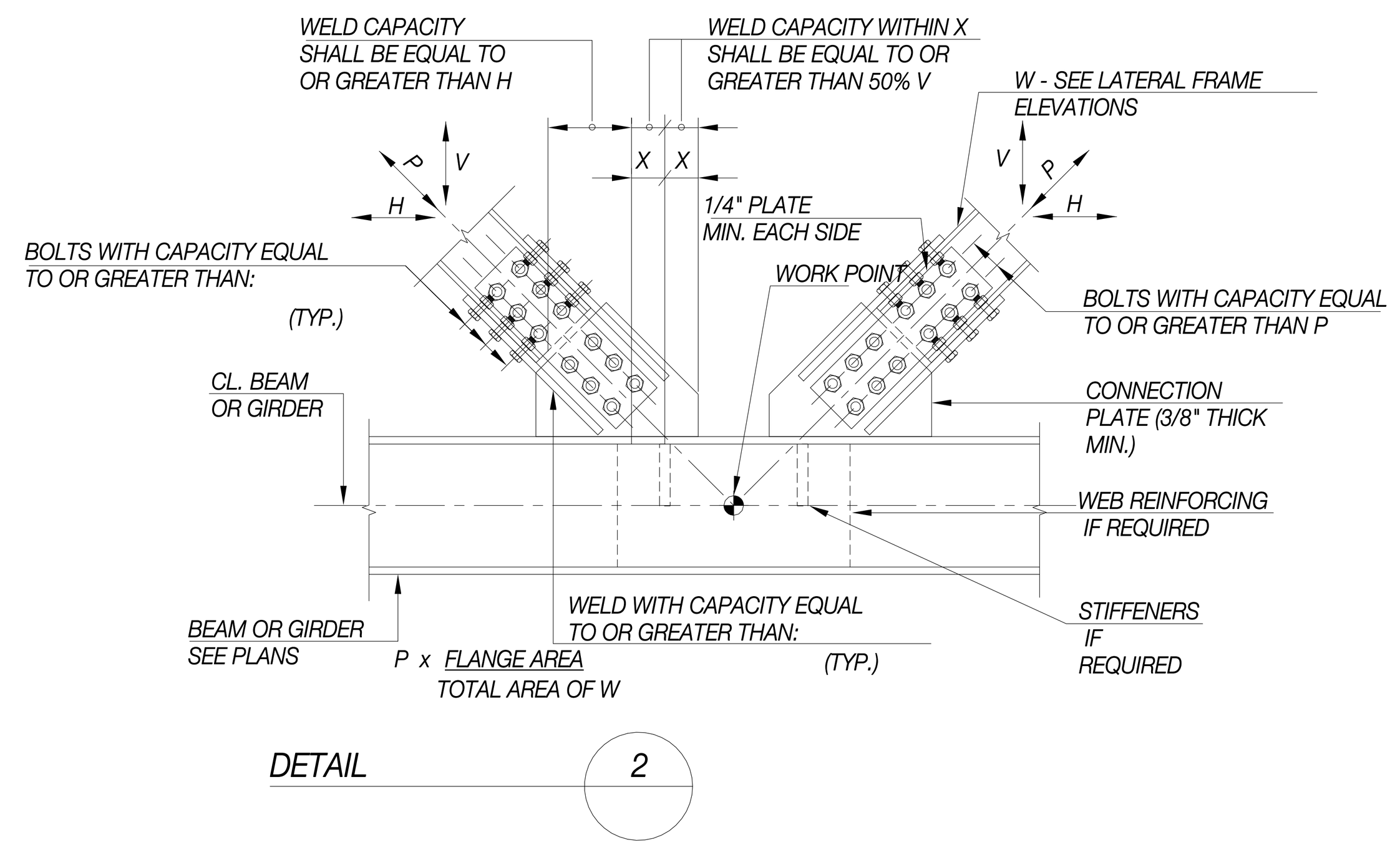

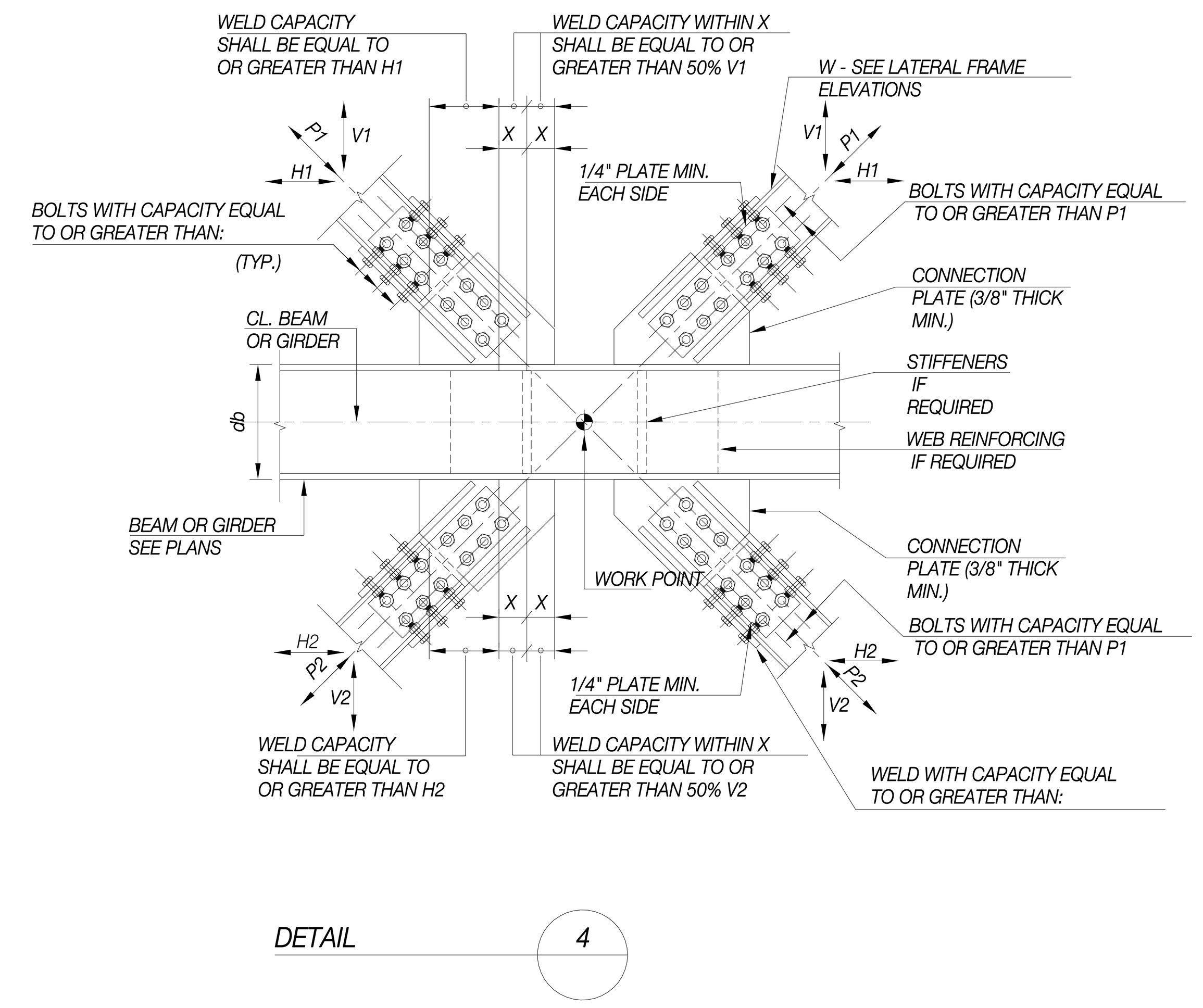

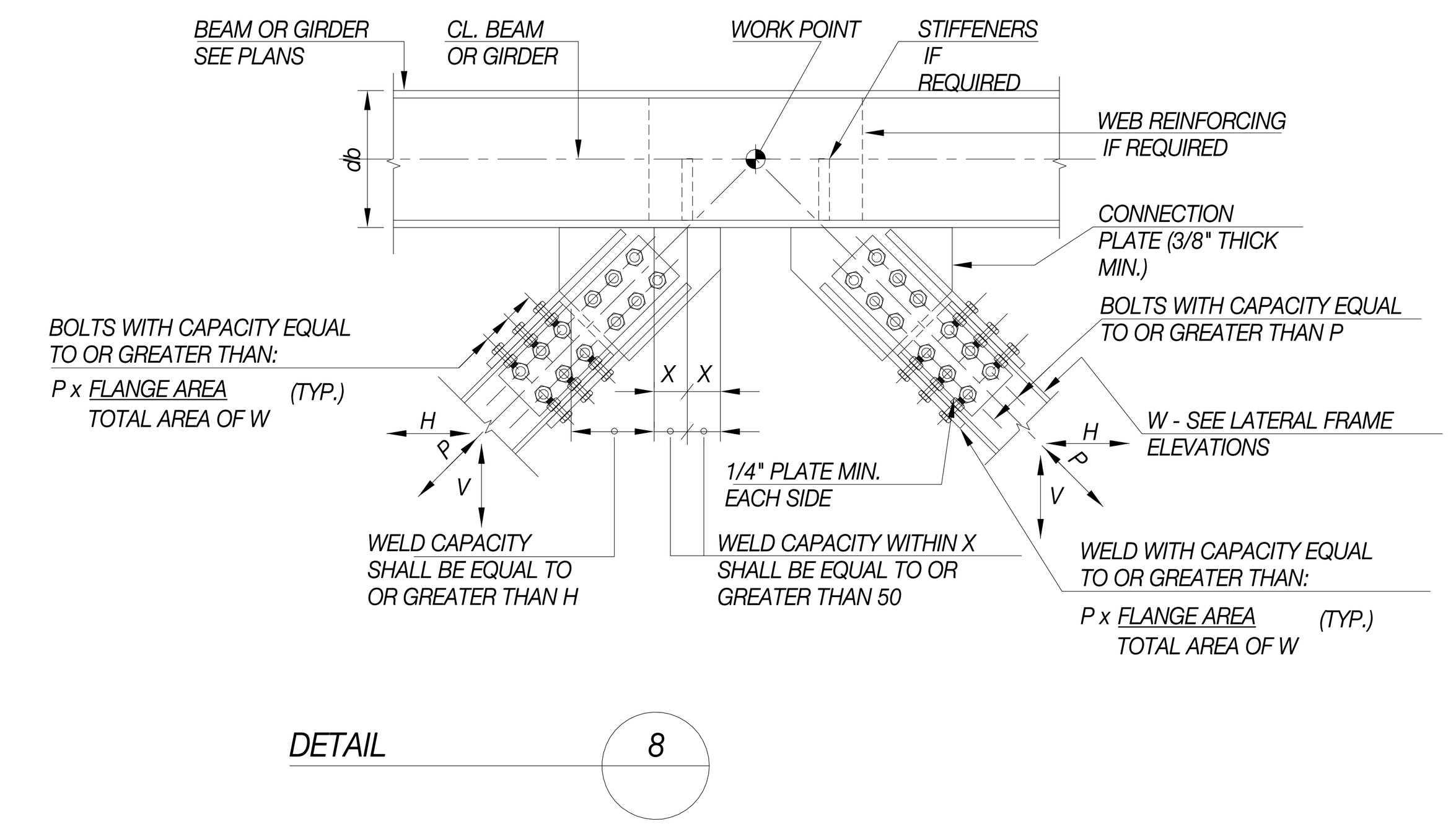

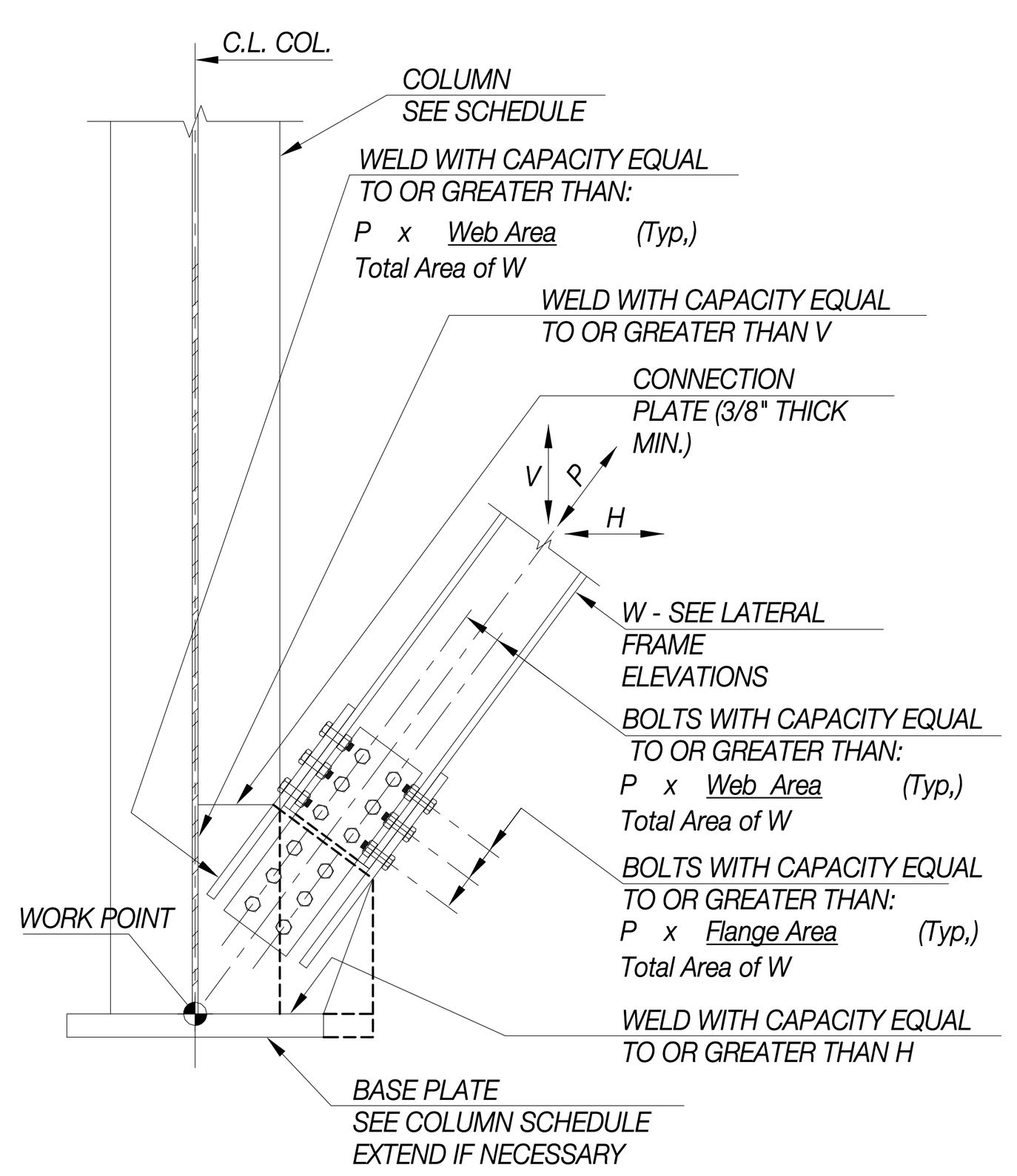

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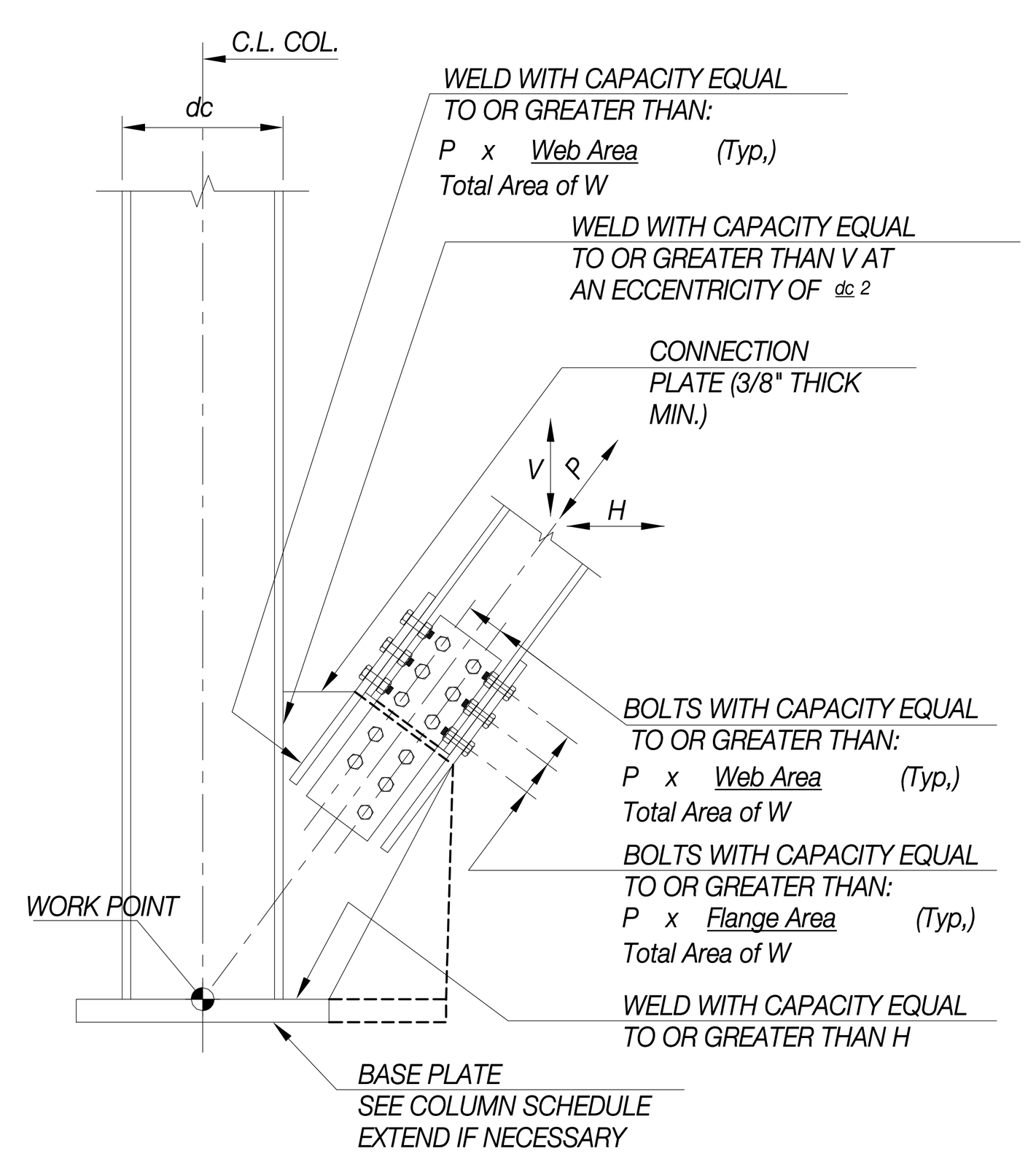
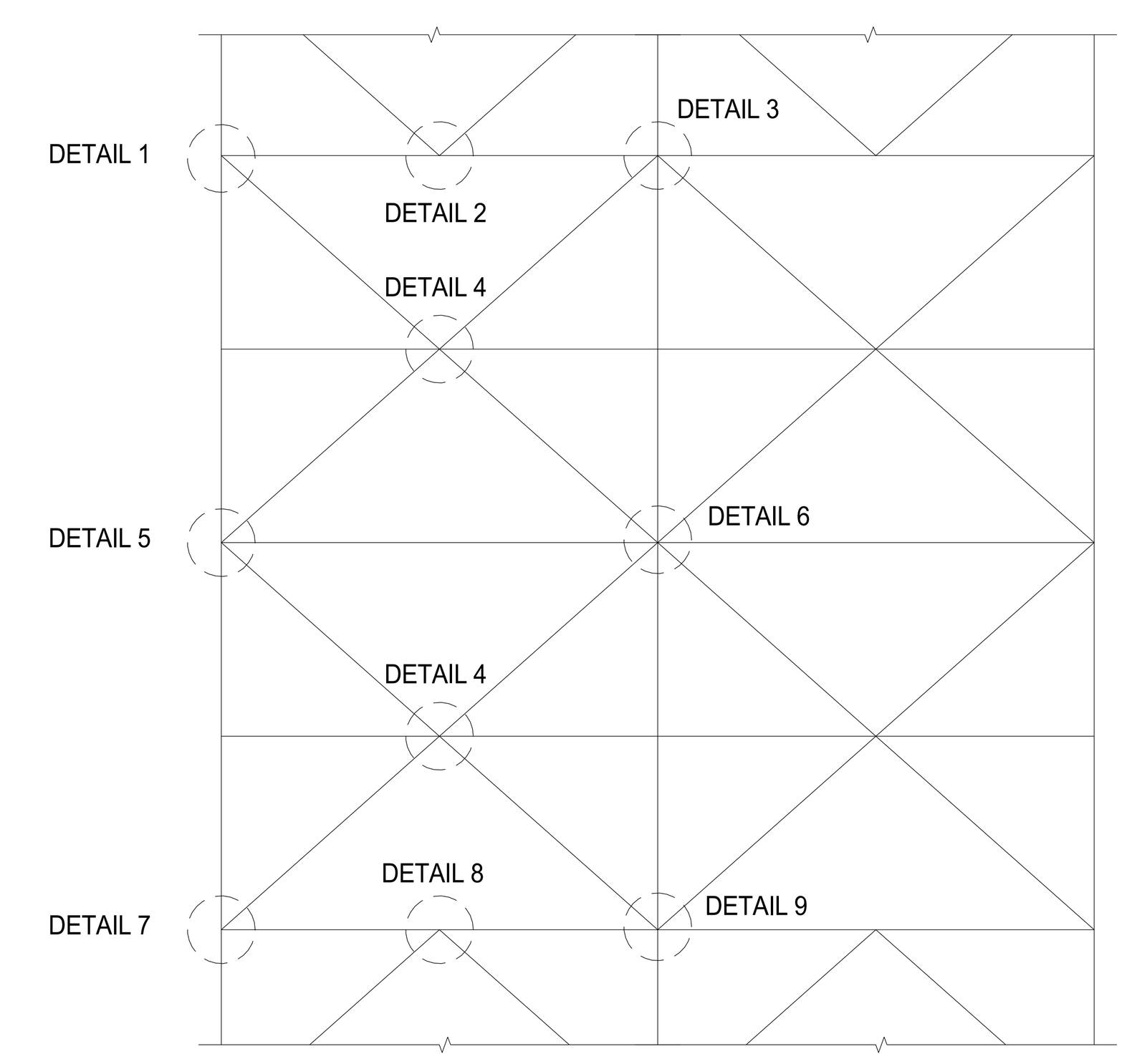


CONNECTED TO COLUMN FLANGE

TYPICAL BRACING DETAILS AT COLUMN BASES



KEY ELEVATION FOR BRACING DETAILS

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Jaffe Holden | Acoustic Consultant
114-A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

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12.09.2016	15	ISSUED FOR DOB FILING
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11.09.2016	13	ISSUED FOR TA FILING
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10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway
New York, NY 10036

Sheet Title:
TYPICAL BRACING DETAILS II

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: 3/4" = 1'-0"
Signature & Seal:
Sheet Number: S-452.00
NYC DOB Number:
Sheet: of

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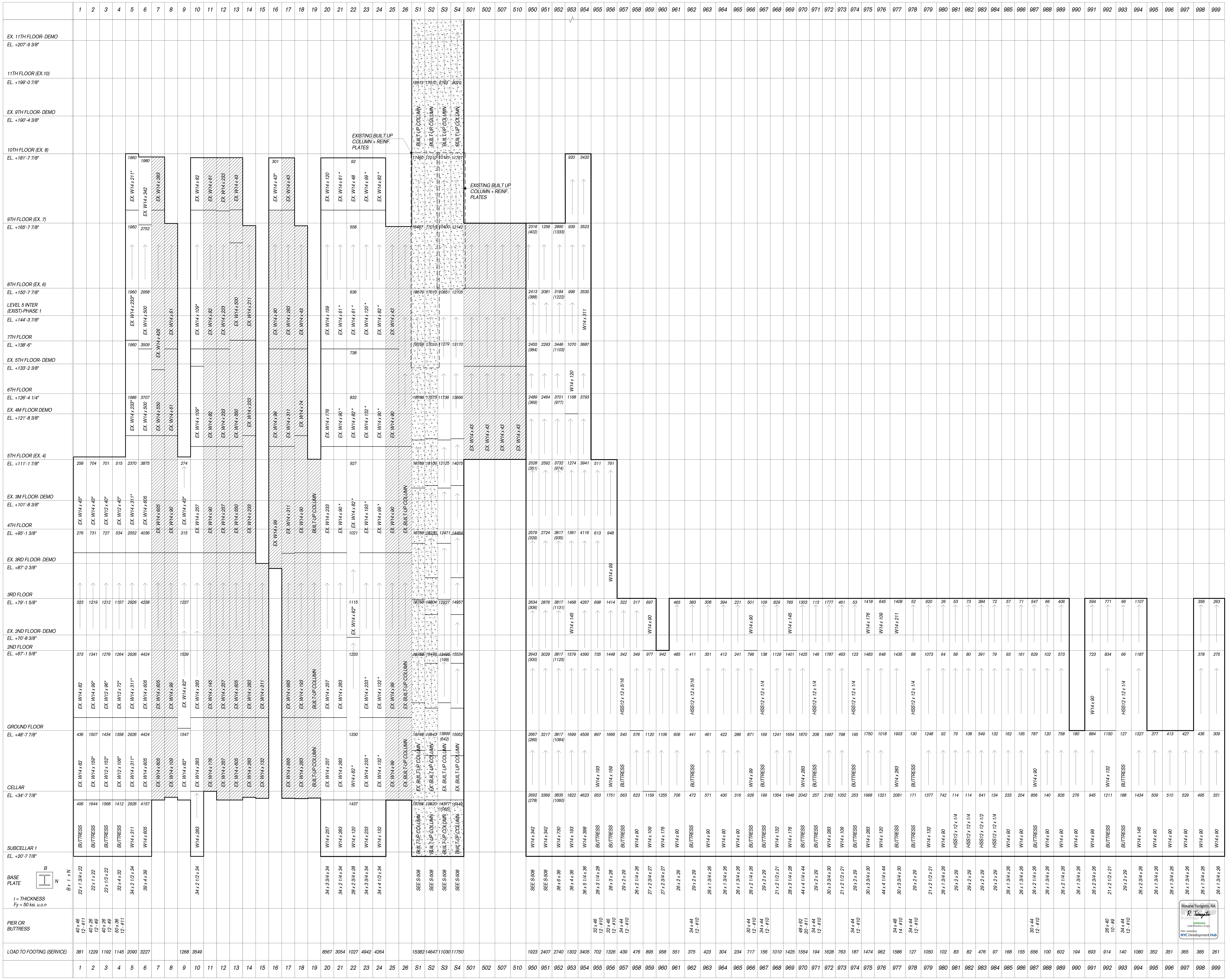

FOR COLUMN SCHEDULES NOTES AND DETAILS SEE S-508

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

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Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

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14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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52 Diamond Street, Brooklyn, NY 11222
718.383.9340 | design2147.com

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07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
PODIUM COLUMN SCHEDULE I

Project Number: 13649

Drawn By: SNH/JBA

Checked By: CJ

Scale: 1/8" = 1'-0"

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Sheet Number: S-501.00

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Sheet: of

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	S1	S2	S3	S4	501	502	507	510	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999
32ND FLOOR EL. +408'-7 7/8"																																																																																					
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EX. 26TH FLOOR- DEMO EL. +338'-11 3/8"																																																																																							
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EX. 22ND FLOOR- DEMO EL. +304'-1 3/8"																																																																																							
21ST FLOOR EL. +300'-5 7/8"																																																																																						
EX. 21ST FLOOR- DEMO EL. +295'-4 7/8"																																																																																							
20TH FLOOR EL. +290'-7 7/8"																																																																																						
EX. 20TH FLOOR- DEMO EL. +286'-8 3/8"																																																																																								
19TH FLOOR EL. +280'-9 7/8"																																																																																							
EX. 19TH FLOOR- DEMO EL. +277'-11 7/8"																																																																																								
18TH FLOOR EL. +270'-11 7/8"																																																																																							
EX. 18TH FLOOR- DEMO EL. +269'-3 3/8"																																																																																								
17TH FLOOR EL. +261'-1 7/8"																																																																																							
EX. 17TH FLOOR- DEMO EL. +260'-6 7/8"																																																																																								
16TH FLOOR EL. +251'-3 7/8"																											651 (106)	455	179 (2)	192																																																							
15TH FLOOR EL. +242'-7 3/8"																											671	1009	357 (10)	371 (7)																																																							
14TH FLOOR EL. +233'-10 7/8"																											1232 (626)	2141	107 (432)	130 (398)																																																							
13TH FLOOR EL. +225'-2 3/8"																											586 (1373)	(682)	(1330)	(1257)																																																							
12TH FLOOR EL. +216'-5 7/8"																											12008	17010	8825	10558																																																						
EX. 11TH FLOOR- DEMO EL. +207'-9 3/8"																																																																																							
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	S1	S2	S3	S4	501	502	507	510	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999

FOR COLUMN SCHEDULES NOTES AND DETAILS SEE S-508

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PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

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Urban Foundation Engineering Foundation Engineer
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Flushing, NY 11369
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zeroLUX | Lighting Design
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New York, NY 10001
212.209.1536

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06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
PODIUM COLUMN SCHEDULE II

Roxane Tsirigotis, RA
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: 1/8" = 1'-0"

Signature & Seal:
STATE OF NEW YORK
RAWSIE JIJINA
060340
LICENSED PROFESSIONAL ENGINEER

Sheet Number: S-502.00

NYC DOB Number:

Sheet: of

Level	999	1000	1001	1002	1003	1004	1005	1006	1007	1008
EX. 11TH FLOOR- DEMO EL. +207'-9 3/8"										
11TH FLOOR (EX.10) EL. +199'-0 7/8"										
EX. 9TH FLOOR- DEMO EL. +190'-4 3/8"										
10TH FLOOR (EX. 8) EL. +181'-7 7/8"										
9TH FLOOR (EX. 7) EL. +165'-7 7/8"										
8TH FLOOR (EX. 6) EL. +150'-7 7/8"										
LEVEL 5 INTER (EXIST)-PHASE 1 EL. +144'-3 7/8"										
7TH FLOOR EL. +138'-6"										
EX. 5TH FLOOR- DEMO EL. +133'-2 3/8"										
6TH FLOOR EL. +126'-4 1/4"										
EX. 4M FLOOR DEMO EL. +121'-8 3/8"										
5TH FLOOR (EX. 4) EL. +111'-1 7/8"										
EX. 3M FLOOR- DEMO EL. +101'-8 3/8"										
4TH FLOOR EL. +95'-1 3/8"										
EX. 3RD FLOOR- DEMO EL. +87'-2 3/8"										
3RD FLOOR EL. +79'-1 5/8"		282	252	557	246	221	288	684	40	35
EX. 2ND FLOOR- DEMO EL. +70'-8 3/8"										
2ND FLOOR EL. +67'-1 5/8"		402	267	576	265	315	349	730	41 HSS12 x 12 x 1/4	35 HSS12 x 12 x 1/4
GROUND FLOOR EL. +48'-7 7/8"		600	314	789	315	547	415	1038	97 BUTTRESS	61 BUTTRESS
CELLAR EL. +34'-7 7/8"	W14 x 90	651 W14 x 90	333 W14 x 90	840 W14 x 90	339 W14 x 90	612 W14 x 90	452 W14 x 90	1093 W14 x 159	124 BUTTRESS	86 BUTTRESS
SUBCELLAR 1 EL. +20'-7 7/8"										
BASE PLATE (B, N; B x t x N) t = THICKNESS Fy = 50 ksi. u.o.n		26 x 2 1/4 x 26	26 x 1 3/4 x 26	26 x 2 1/4 x 26	26 x 1 3/4 x 26	26 x 2 1/4 x 26	26 x 1 3/4 x 26	26 x 2 1/2 x 26	29 x 2 x 29	29 x 2 x 29
PIER OR BUTTRESS								30 x 44 12 - #10	44 x 44 16 - #10	34 x 44 12 - #10
LOAD TO FOOTING		487	259	630	263	455	346	832	92	63

Level	1009	1010	1011	1012	1013	1014
EX. 11TH FLOOR- DEMO EL. +207'-9 3/8"						
11TH FLOOR (EX.10) EL. +199'-0 7/8"						
EX. 9TH FLOOR- DEMO EL. +190'-4 3/8"						
10TH FLOOR (EX. 8) EL. +181'-7 7/8"						
9TH FLOOR (EX. 7) EL. +165'-7 7/8"				141		
8TH FLOOR (EX. 6) EL. +150'-7 7/8"				326		
LEVEL 5 INTER (EXIST)-PHASE 1 EL. +144'-3 7/8"				W14 x 61		
7TH FLOOR EL. +138'-6"				567	9	4
EX. 5TH FLOOR- DEMO EL. +133'-2 3/8"						
6TH FLOOR EL. +126'-4 1/4"				802	36	30
EX. 4M FLOOR DEMO EL. +121'-8 3/8"				W14 x 193		
5TH FLOOR (EX. 4) EL. +111'-1 7/8"					48	42
EX. 3M FLOOR- DEMO EL. +101'-8 3/8"						
4TH FLOOR EL. +95'-1 3/8"					74	67
EX. 3RD FLOOR- DEMO EL. +87'-2 3/8"					HSS12 x 12 x 1/4	HSS12 x 12 x 1/4
3RD FLOOR EL. +79'-1 5/8"	480	905	345			
EX. 2ND FLOOR- DEMO EL. +70'-8 3/8"	W14 x 90	W14 x 145	W14 x 90			
2ND FLOOR EL. +67'-1 5/8"						
GROUND FLOOR EL. +48'-7 7/8"						
CELLAR EL. +34'-7 7/8"						
SUBCELLAR 1 EL. +20'-7 7/8"						
BASE PLATE (B, N; B x t x N) t = THICKNESS Fy = 50 ksi. u.o.n						
PIER OR BUTTRESS						
LOAD TO FOOTING						

Level	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029
EX. 11TH FLOOR- DEMO EL. +207'-9 3/8"															
11TH FLOOR (EX.10) EL. +199'-0 7/8"	(104)	(266)	(1252)	(585)	(466)	(740)	(529)	(468)	(709)	(670)	(311)	(1712)	(340)	(335)	(369)
EX. 9TH FLOOR- DEMO EL. +190'-4 3/8"															
10TH FLOOR (EX. 8) EL. +181'-7 7/8"	(139)	(130)	(1110)	(454)	(265)	(574)	(404)	(268)	(544)	(552)	(115)	(1530)	(203) W12 x 120	(148) W12 x 120	(162) W12 x 120
9TH FLOOR (EX. 7) EL. +165'-7 7/8"	(102) W12 x 120	(60) W12 x 120	(163) W12 x 136	(243) W12 x 120	(104) W12 x 120	(271) W12 x 120	(194) W12 x 120	(102) W12 x 120	(243) W12 x 120	(172) W12 x 120	(51) W12 x 120	(266) W12 x 170			
8TH FLOOR (EX. 6) EL. +150'-7 7/8"															
LEVEL 5 INTER (EXIST)-PHASE 1 EL. +144'-3 7/8"															
7TH FLOOR EL. +138'-6"															
EX. 5TH FLOOR- DEMO EL. +133'-2 3/8"															
6TH FLOOR EL. +126'-4 1/4"															
EX. 4M FLOOR DEMO EL. +121'-8 3/8"															
5TH FLOOR (EX. 4) EL. +111'-1 7/8"															
EX. 3M FLOOR- DEMO EL. +101'-8 3/8"															
4TH FLOOR EL. +95'-1 3/8"															
EX. 3RD FLOOR- DEMO EL. +87'-2 3/8"															
3RD FLOOR EL. +79'-1 5/8"															
EX. 2ND FLOOR- DEMO EL. +70'-8 3/8"															
2ND FLOOR EL. +67'-1 5/8"															
GROUND FLOOR EL. +48'-7 7/8"															
CELLAR EL. +34'-7 7/8"															
SUBCELLAR 1 EL. +20'-7 7/8"															
BASE PLATE (B, N; B x t x N) t = THICKNESS Fy = 50 ksi. u.o.n															
PIER OR BUTTRESS															
LOAD TO FOOTING															

FOR COLUMN SCHEDULES NOTES AND DETAILS SEE S-508

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Project:
1568 Broadway
New York, NY 10036

Sheet Title:
PODIUM COLUMN SCHEDULE III

Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: 1/8" = 1'-0"
Signature & Seal:

Sheet Number:
S-503.00

NYC DOB Number:
Sheet: of

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999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029
32ND FLOOR
EL. +408'-7 7/8"
EX. 34TH FLOOR-DEMO
EL. +408'-7 3/8"
EX. 33RD FLOOR-DEMO
EL. +399'-10 7/8"
31ST FLOOR
EL. +398'-9 7/8"
EX. 32ND FLOOR-DEMO
EL. +391'-2 3/8"
30TH FLOOR
EL. +388'-11 7/8"
EX. 31ST FLOOR-DEMO
EL. +382'-5 7/8"
29TH FLOOR
EL. +379'-1 7/8"
EX. 30TH FLOOR-DEMO
EL. +373'-9 3/8"
28TH FLOOR
EL. +369'-3 7/8"
EX. 29TH FLOOR-DEMO
EL. +365'-0 7/8"
27TH FLOOR
EL. +359'-5 7/8"
EX. 28TH FLOOR-DEMO
EL. +356'-4 3/8"
26TH FLOOR
EL. +349'-7 7/8"
EX. 27TH FLOOR-DEMO
EL. +347'-7 7/8"
25TH FLOOR
EL. +339'-9 7/8"
EX. 26TH FLOOR-DEMO
EL. +338'-11 3/8"
EX. 25TH FLOOR-DEMO
EL. +330'-2 7/8"
24TH FLOOR
EL. +329'-11 7/8"
EX. 24TH FLOOR-DEMO
EL. +321'-6 3/8"
23RD FLOOR
EL. +320'-1 7/8"
EX. 23RD FLOOR-DEMO
EL. +312'-9 7/8"
22ND FLOOR
EL. +310'-3 7/8"
EX. 22ND FLOOR-DEMO
EL. +304'-1 3/8"
21ST FLOOR
EL. +300'-5 7/8"
EX. 21ST FLOOR-DEMO
EL. +295'-4 7/8"
20TH FLOOR
EL. +290'-7 7/8"
EX. 20TH FLOOR-DEMO
EL. +286'-8 3/8"
19TH FLOOR
EL. +280'-9 7/8"
EX. 19TH FLOOR-DEMO
EL. +277'-11 7/8"
18TH FLOOR
EL. +270'-11 7/8"
EX. 18TH FLOOR-DEMO
EL. +269'-3 3/8"
17TH FLOOR
EL. +261'-1 7/8"
EX. 17TH FLOOR-DEMO
EL. +260'-6 7/8"
16TH FLOOR
EL. +251'-3 7/8"
15TH FLOOR
EL. +242'-7 3/8"
14TH FLOOR
EL. +233'-10 7/8"
(517) (984) (984) (893) (856)
13TH FLOOR
EL. +225'-2 3/8"
(473) (885) (885) (781) (754)
12TH FLOOR
EL. +216'-5 7/8"
(109) (389) (1328) (729) (685) (863) (658) (685) (819) (822) (555) (1854) (445) (548) (522)
EX. 11TH FLOOR-DEMO
EL. +207'-9 3/8"
999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029

FOR COLUMN SCHEDULES NOTES AND DETAILS SEE S-508

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

Design 2147 Limited | Code Consultant
52 Diamond Street, Brooklyn, NY 11222
718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

Theatre Projects Consultants | Theater Consultant
47 Water Street
South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

Fisher Marantz Stone | Lighting Design
22 West 19th Street, Floor 6
New York, NY 10011
212 691 3020 | fmsp.com

Jaffe Holden | Acoustic Consultant
114-A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

DOB APPROVAL STAMP

Date:	No.:	Description:
12.09.2016	15	ISSUED FOR DOB FILING
11.15.2016	14	SOFT & STRUCTURAL DEMOLITION ISSUED FOR BID
11.09.2016	13	ISSUED FOR TA FILING
11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
PODIUM COLUMN SCHEDULE IV

Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale: 1/8" = 1'-0"

Signature & Seal: STATE OF NEW YORK, CAWSIE JIJINA, 060340, LICENSED PROFESSIONAL ENGINEER

Sheet Number: S-504.00

NYC DOB Number:

Sheet: of

	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833
EX. 11TH FLOOR- DEMO																																	
EL. +207'-9 3/8" 11TH FLOOR (EX.10)	891 87 EX. 26 x 26 12 - #7	1451 209 EX. 26 x 26 12 - #7	1463 176 EX. 26 x 26 12 - #7	996 109 EX. 22" 18 - #8	1522 377 EX. 36 x 22 14 - #7	1463 249 EX. 28 x 28 14 - #7	1137 115 EX. 26 x 26 12 - #7	1716 361 EX. 28 x 28 16 - #7	1221 147 EX. 26 x 26 12 - #7				1750 367 EX. 28 x 28 18 - #7	1228 149 EX. 26 x 26 12 - #7	1324 152 EX. 26 x 26 12 - #7	1900 388 EX. 28 x 28 18 - #10	1827 358 EX. 28 x 28 18 - #8	1226 147 EX. 26 x 26 12 - #7	1304 150 EX. 26 x 26 12 - #7	1857 369 EX. 28 x 28 18 - #9	1775 339 EX. 28 x 28 16 - #8	1214 146 EX. 26 x 26 12 - #7	1320 152 EX. 26 x 26 12 - #7	1896 386 EX. 28 x 28 18 - #10	1820 356 EX. 28 x 28 18 - #8	1224 147 EX. 26 x 26 12 - #7							
EL. +199'-0 7/8" EX. 9TH FLOOR- DEMO	917 89 EX. 26 x 26 12 - #7	1493 214 EX. 26 x 26 12 - #7	1504 180 EX. 26 x 26 12 - #7	1026 112 EX. 22" 18 - #9	1566 386 EX. 36 x 22 14 - #7	1505 255 EX. 28 x 28 14 - #7	1171 118 EX. 26 x 26 12 - #7	1765 370 EX. 28 x 28 18 - #9	1257 151 EX. 26 x 26 12 - #7				1799 376 EX. 28 x 28 18 - #9	1264 153 EX. 26 x 26 12 - #7	1363 156 EX. 26 x 26 12 - #7	1954 398 EX. 28 x 28 18 - #11	1879 367 EX. 28 x 28 20 - #9	1262 151 EX. 26 x 26 12 - #7	1343 154 EX. 26 x 26 12 - #7	1911 379 EX. 28 x 28 18 - #10	1827 348 EX. 28 x 28 16 - #9	1250 150 EX. 26 x 26 12 - #7	1359 156 EX. 26 x 26 12 - #7	1950 396 EX. 28 x 28 18 - #11	1872 365 EX. 28 x 28 20 - #9	1260 151 EX. 26 x 26 12 - #7					EX. 12 x 18 6 - #6	EX. 18 x 26 8 - #6	EX. 12 x 18 6 - #6
EL. +190'-4 3/8" 10TH FLOOR (EX. 8)	943 91 EX. 26 x 26 12 - #7	1535 219 EX. 26 x 26 12 - #7	1545 184 EX. 26 x 26 12 - #7	1056 115 EX. 22" 18 - #9	1610 395 EX. 36 x 22 14 - #7	1547 261 EX. 28 x 28 14 - #7	1205 121 EX. 26 x 26 12 - #7	1814 379 EX. 28 x 28 18 - #9	1293 155 EX. 26 x 26 12 - #7				1848 385 EX. 28 x 28 18 - #9	1300 137 EX. 26 x 26 12 - #7	1402 160 EX. 26 x 26 12 - #7	2008 408 EX. 28 x 28 18 - #11	1931 376 EX. 28 x 28 20 - #9	1298 155 EX. 26 x 26 12 - #7	1382 158 EX. 26 x 26 12 - #7	1965 389 EX. 28 x 28 18 - #10	1879 357 EX. 28 x 28 16 - #9	1286 154 EX. 26 x 26 12 - #7	1398 160 EX. 26 x 26 12 - #7	2004 406 EX. 28 x 28 18 - #11	1924 374 EX. 28 x 28 20 - #9	1296 155 EX. 26 x 26 12 - #7					EX. 12 x 18 6 - #6	EX. 18 x 26 8 - #6	EX. 12 x 18 6 - #6
EL. +181'-7 7/8" 9TH FLOOR (EX. 7)																																	
EL. +165'-7 7/8" 8TH FLOOR (EX. 6)																																	
EL. +150'-7 7/8" EX. LEVEL 5 INTER																																	
EL. +144'-3 7/8" 7TH FLOOR																																	
EL. +138'-6" EX. 5TH FLOOR- DEMO																																	
EL. +133'-2 3/8" 6TH FLOOR																																	
EL. +126'-4 1/4" EX. 4M FLOOR- DEMO																																	
EL. +121'-8 3/8" 5TH FLOOR (EX. 4)																																	
EL. +111'-1 7/8" EX. 3M FLOOR- DEMO																																	
EL. +101'-8 3/8" 4TH FLOOR																																	
EL. +95'-1 3/8" EX. 3RD FLOOR- DEMO																																	
EL. +87'-2 3/8" 3RD FLOOR																																	
EL. +79'-1 5/8" EX. 2ND FLOOR- DEMO																																	
EL. +70'-8 3/8" 2ND FLOOR																																	
EL. +67'-1 5/8" GROUND FLOOR																																	
EL. +48'-7 7/8" CELLAR																																	
EL. 34'-7 7/8" SUBCELLAR 1																																	
EL. +20'-7 7/8" BASE PLATE (B, N) t = THICKNESS Fy = 50 ksi. u.o.n B x t x N																																	
PIER OR BUTTRESS																																	
LOAD TO FOOTING																																	
	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833

COLUMN TO BE REINFORCED
SEE TYPICAL DETAIL ON S-508

	806A	808A	812A	813A	816A	817A	820A	821A	824A	825A	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942
EX. 11TH FLOOR- DEMO																																																				
EL. +207'-9 3/8" 11TH FLOOR (EX.10)															3313 24 x 24 14 - #6																																					
EL. +199'-0 7/8" EX. 9TH FLOOR- DEMO															3319 24 x 24 14 - #6																																					
EL. +190'-4 3/8" 10TH FLOOR (EX. 8)															3413 24 x 24 14 - #6																																					
EL. +181'-7 7/8" 9TH FLOOR (EX. 7)																																																				
EL. +165'-7 7/8" 8TH FLOOR (EX. 6)																																																				
EL. +150'-7 7/8" EX. LEVEL 5 INTER																																																				
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EL. +138'-6" EX. 5TH FLOOR- DEMO																																																				
EL. +133'-2 3/8" 6TH FLOOR																																																				
EL. +126'-4 1/4" EX. 4M FLOOR- DEMO																																																				
EL. +121'-8 3/8" 5TH FLOOR (EX. 4)																																																				
EL. +111'-1 7/8" EX. 3M FLOOR- DEMO																																																				
EL. +101'-8 3/8" 4TH FLOOR																																																				
EL. +95'-1 3/8" EX. 3RD FLOOR- DEMO																																																				
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EL. 34'-7 7/8" SUBCELLAR 1																																																				
EL. +20'-7 7/8" BASE PLATE																																																				
PIER OR BUTTRESS																																																				
LOAD TO FOOTING																																																				
	806A	808A	812A	813A	816A	817A	820A	821A	824A	825A	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942

FOR COLUMN SCHEDULES NOTES AND DETAILS SEE S-508

12/29/2016 11:25:54 AM

Roxane Tsirigotis, RA
R. Tsirigotis
Buildings
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

Design 2147 Limited | Code Consultant
52 Diamond Street, Brooklyn, NY 11222
718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

Theatre Projects Consultants | Theater Consultant
47 Water Street
South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

Fisher Marantz Stone | Lighting Design
22 West 19th Street, Floor 6
New York, NY 10011
212 691 3020 | fmsp.com

Jaffe Holden | Acoustic Consultant
114–A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

DOB APPROVAL STAMP

Date:	No.:	Description:
12.09.2016	15	ISSUED FOR DOB FILING
11.15.2016	14	SOFT & STRUCTURAL DEMOLITION ISSUED FOR BID
11.09.2016	13	ISSUED FOR TA FILING
11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
TOWER COLUMN SCHEDULE I

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: 1 : 109

Signature & Seal:
STATE OF NEW YORK
RAWSIE JIJINA
060340
LICENSED PROFESSIONAL ENGINEER

Sheet Number: S-505.00

NYC DOB Number:
Sheet: of

TOWER COLUMN SCHEDULE II

Columns 801–809 (SHEAR WALL, SEE DRAWING S-17 at 810; SHEAR WALL, SEE DRAWING S-20 at 811 and 812; the labels sit in the 25TH–26TH floor band)

Level	801	802	803	804	805	806	807	808	809
32ND FLOOR									
EL. +408'-7 7/8" EX. 34TH FLOOR- DEMO EL. +408'-7 3/8" EX. 33RD FLOOR- DEMO EL. +399'-10 7/8" 31ST FLOOR	307 41 EX. 22 x 26 10 - #7	499 94 EX. 22 x 26 10 - #7	534 84 EX. 22 x 26 10 - #7	313 40 EX. 18" 8 - #7	524 170 EX. 30 x 22 12 - #7	511 111 EX. 28 x 24 12 - #7	369 46 EX. 26 x 22 10 - #7	596 154 EX. 28 x 24 12 - #7	400 55 EX. 26 x 22 10 - #7
EL. +398'-9 7/8" EX. 32ND FLOOR- DEMO EL. +391'-2 3/8"	331 43 EX. 22 x 26 10 - #7	539 99 EX. 22 x 26 10 - #7	573 88 EX. 22 x 26 10 - #7	342 43 EX. 18" 8 - #7	566 179 EX. 30 x 22 12 - #7	551 117 EX. 28 x 24 12 - #7	401 49 EX. 26 x 22 10 - #7	644 163 EX. 28 x 24 12 - #7	435 59 EX. 26 x 22 10 - #7
30TH FLOOR EL. +388'-11 7/8" EX. 31ST FLOOR- DEMO EL. +382'-5 7/8"	355 45 EX. 26 x 26 12 - #7	579 104 EX. 26 x 26 12 - #7	612 92 EX. 26 x 26 12 - #7	371 46 EX. 22" 8 - #7	608 188 EX. 36 x 22 14 - #7	591 123 EX. 26 x 28 14 - #7	433 52 EX. 26 x 26 10 - #7	692 172 EX. 28 x 28 14 - #7	470 63 EX. 26 x 26 12 - #7
29TH FLOOR EL. +379'-1 7/8" EX. 30TH FLOOR- DEMO	390 47 EX. 26 x 26 12 - #7	619 109 EX. 26 x 26 12 - #7	651 96 EX. 26 x 26 12 - #7	400 41 EX. 22" 10 - #7	650 197 EX. 36 x 22 14 - #7	631 129 EX. 28 x 28 14 - #7	465 55 EX. 26 x 26 12 - #7	740 181 EX. 28 x 28 14 - #7	505 67 EX. 26 x 26 12 - #7
EL. +373'-9 3/8" 28TH FLOOR EL. +369'-3 7/8" EX. 29TH FLOOR- DEMO	403 49 EX. 26 x 26 12 - #7	659 114 EX. 26 x 26 12 - #7	690 100 EX. 26 x 26 12 - #7	429 52 EX. 22" 10 - #7	692 206 EX. 36 x 22 14 - #7	671 135 EX. 28 x 28 14 - #7	497 58 EX. 26 x 26 12 - #7	788 190 EX. 28 x 28 14 - #7	540 71 EX. 26 x 26 12 - #7
EL. +365'-0 7/8" 27TH FLOOR EL. +359'-5 7/8" EX. 28TH FLOOR- DEMO	427 51 EX. 26 x 26 12 - #7	699 119 EX. 26 x 26 12 - #7	729 104 EX. 26 x 26 12 - #7	458 55 EX. 22" 10 - #7	734 215 EX. 36 x 22 14 - #7	711 141 EX. 28 x 28 14 - #7	529 61 EX. 26 x 26 12 - #7	836 199 EX. 28 x 28 14 - #7	575 75 EX. 26 x 26 12 - #7
EL. +356'-4 3/8" 26TH FLOOR EL. +349'-7 7/8"	451 53 EX. 26 x 26 12 - #7	131 124 EX. 26 x 26 12 - #7	168 108 EX. 26 x 26 12 - #7	487 58 EX. 22" 10 - #7	776 224 EX. 36 x 22 14 - #7	751 147 EX. 28 x 28 14 - #7	561 64 EX. 26 x 26 12 - #7	854 208 EX. 28 x 28 14 - #7	610 79 EX. 26 x 26 12 - #7
EX. 27TH FLOOR- DEMO EL. +347'-7 7/8" 25TH FLOOR EL. +339'-9 7/8"	475 55 EX. 26 x 26 12 - #7	779 129 EX. 26 x 26 12 - #7	807 112 EX. 26 x 26 12 - #7	516 61 EX. 22" 10 - #7	818 233 EX. 36 x 22 14 - #7	791 153 EX. 28 x 28 14 - #7	593 67 EX. 26 x 26 12 - #7	932 217 EX. 28 x 28 14 - #7	645 83 EX. 26 x 26 12 - #7
EX. 26TH FLOOR- DEMO EL. +338'-11 3/8" EX. 25TH FLOOR- DEMO	501 57 EX. 26 x 26 12 - #7	821 134 EX. 26 x 26 12 - #7	848 116 EX. 26 x 26 12 - #7	546 64 EX. 22" 10 - #7	862 242 EX. 36 x 22 14 - #7	833 159 EX. 28 x 28 14 - #7	627 70 EX. 26 x 26 12 - #7	981 226 EX. 28 x 28 14 - #7	681 87 EX. 26 x 26 12 - #7
EL. +330'-2 7/8" 24TH FLOOR EL. +329'-11 7/8" EX. 24TH FLOOR- DEMO EL. +321'-6 3/8"	527 59 EX. 26 x 26 12 - #7	863 139 EX. 26 x 26 12 - #7	889 120 EX. 26 x 26 12 - #7	576 67 EX. 22" 8 - #7	906 251 EX. 36 x 22 14 - #7	875 165 EX. 28 x 28 14 - #7	661 73 EX. 26 x 26 12 - #7	1030 235 EX. 28 x 28 14 - #7	717 91 EX. 26 x 26 12 - #7
23RD FLOOR EL. +320'-1 7/8" EX. 23RD FLOOR- DEMO EL. +312'-9 7/8"	553 61 EX. 26 x 26 12 - #7	905 144 EX. 26 x 26 12 - #7	930 124 EX. 26 x 26 12 - #7	606 70 EX. 22" 10 - #7	950 260 EX. 36 x 22 14 - #7	917 171 EX. 28 x 28 14 - #7	695 77 EX. 26 x 26 12 - #7	1079 244 EX. 28 x 28 14 - #7	753 95 EX. 26 x 26 12 - #7
22ND FLOOR EL. +310'-3 7/8" EX. 22ND FLOOR- DEMO EL. +304'-1 3/8"	579 63 EX. 26 x 26 12 - #7	947 149 EX. 26 x 26 12 - #7	971 128 EX. 26 x 26 12 - #7	636 73 EX. 22" 10 - #7	994 269 EX. 36 x 22 14 - #7	959 177 EX. 28 x 28 14 - #7	729 80 EX. 26 x 26 12 - #7	1128 253 EX. 28 x 28 14 - #7	789 99 EX. 26 x 26 12 - #7
21ST FLOOR EL. +300'-5 7/8" EX. 21ST FLOOR- DEMO	605 65 EX. 26 x 26 12 - #7	989 154 EX. 26 x 26 12 - #7	1012 132 EX. 26 x 26 12 - #7	666 76 EX. 22" 10 - #7	1038 278 EX. 36 x 22 14 - #7	1001 183 EX. 28 x 28 14 - #7	763 83 EX. 26 x 26 12 - #7	1177 262 EX. 28 x 28 14 - #7	825 103 EX. 26 x 26 12 - #7
EL. +295'-4 7/8" 20TH FLOOR EL. +290'-7 7/8" EX. 20TH FLOOR- DEMO	631 67 EX. 26 x 26 12 - #7	1031 159 EX. 26 x 26 12 - #7	1053 136 EX. 26 x 26 12 - #7	696 79 EX. 22" 10 - #7	1082 287 EX. 36 x 22 14 - #7	1043 189 EX. 28 x 28 14 - #7	797 86 EX. 26 x 26 12 - #7	1220 271 EX. 28 x 28 14 - #7	861 107 EX. 26 x 26 12 - #7
EL. +286'-8 3/8" 19TH FLOOR EL. +290'-7 7/8" EX. 19TH FLOOR- DEMO	657 69 EX. 26 x 26 12 - #7	1073 164 EX. 26 x 26 12 - #7	1094 140 EX. 26 x 26 12 - #7	726 82 EX. 22" 16 - #7	1126 296 EX. 36 x 22 14 - #7	1085 195 EX. 28 x 28 14 - #7	831 89 EX. 26 x 26 12 - #7	1275 280 EX. 28 x 28 16 - #7	897 111 EX. 26 x 26 12 - #7
EL. +277'-11 7/8" 18TH FLOOR EL. +270'-11 7/8"	683 71 EX. 26 x 26 12 - #7	1115 167 EX. 26 x 26 12 - #7	1135 144 EX. 26 x 26 12 - #7	756 85 EX. 22" 16 - #7	1170 305 EX. 36 x 22 14 - #7	1127 201 EX. 28 x 28 14 - #7	865 91 EX. 26 x 26 12 - #7	1324 289 EX. 28 x 28 16 - #7	933 115 EX. 26 x 26 12 - #7
EX. 18TH FLOOR- DEMO EL. +269'-3 3/8" 17TH FLOOR	709 73 EX. 26 x 26 12 - #7	1157 174 EX. 26 x 26 12 - #7	1176 148 EX. 26 x 26 12 - #7	786 88 EX. 22" 16 - #8	1214 314 EX. 36 x 22 14 - #7	1169 207 EX. 28 x 28 14 - #7	899 94 EX. 26 x 26 12 - #7	1373 298 EX. 28 x 28 16 - #9	969 119 EX. 26 x 26 12 - #7
EL. +261'-1 7/8" EX. 17TH FLOOR- DEMO EL. +260'-6 7/8" 16TH FLOOR	735 75 EX. 26 x 26 12 - #7	1199 179 EX. 26 x 26 12 - #7	1217 152 EX. 26 x 26 12 - #7	816 91 EX. 22" 16 - #8	1258 323 EX. 36 x 22 14 - #7	1211 213 EX. 28 x 28 14 - #7	933 97 EX. 26 x 26 12 - #7	1422 307 EX. 28 x 28 16 - #9	1005 123 EX. 26 x 26 12 - #7
EL. +251'-3 7/8" 15TH FLOOR	761 77 EX. 26 x 26 12 - #7	1241 184 EX. 26 x 26 12 - #7	1258 156 EX. 26 x 26 12 - #7	846 94 EX. 22" 16 - #7	1302 332 EX. 36 x 22 14 - #7	1253 219 EX. 28 x 28 14 - #7	967 100 EX. 26 x 26 12 - #7	1471 316 EX. 28 x 28 16 - #7	1041 127 EX. 26 x 26 12 - #7
EL. +242'-7 3/8" 14TH FLOOR	787 79 EX. 26 x 26 12 - #7	1283 189 EX. 26 x 26 12 - #7	1299 160 EX. 26 x 26 12 - #7	876 97 EX. 22" 16 - #7	1346 341 EX. 36 x 22 14 - #7	1295 225 EX. 28 x 28 14 - #7	1001 103 EX. 26 x 26 12 - #7	1520 325 EX. 28 x 28 16 - #7	1077 131 EX. 26 x 26 12 - #7
EL. +233'-10 7/8" 13TH FLOOR	813 81 EX. 26 x 26 12 - #7	1325 194 EX. 26 x 26 12 - #7	1340 164 EX. 26 x 26 12 - #7	906 100 EX. 22" 18 - #7	1390 350 EX. 36 x 22 14 - #7	1337 231 EX. 28 x 28 14 - #7	1035 106 EX. 26 x 26 12 - #7	1569 334 EX. 28 x 28 16 - #7	1113 135 EX. 26 x 26 12 - #7
EL. +225'-2 3/8" 12TH FLOOR	839 83 EX. 26 x 26 12 - #7	1367 199 EX. 26 x 26 12 - #7	1381 168 EX. 26 x 26 12 - #7	936 103 EX. 22" 18 - #7	1434 359 EX. 36 x 22 14 - #7	1379 237 EX. 28 x 28 14 - #7	1069 109 EX. 26 x 26 12 - #7	1618 343 EX. 28 x 28 16 - #7	1149 139 EX. 26 x 26 12 - #7
EL. +216'-5 7/8" EX. 11TH FLOOR- DEMO	865 85 EX. 26 x 26 12 - #7	1407 204 EX. 26 x 26 12 - #7	1422 172 EX. 26 x 26 12 - #7	966 106 EX. 22" 18 - #8	1478 368 EX. 36 x 22 14 - #7	1421 243 EX. 28 x 28 14 - #7	1103 112 EX. 26 x 26 12 - #7	1667 352 EX. 28 x 28 16 - #7	1185 143 EX. 26 x 26 12 - #7
EL. +207'-9 3/8"									

COLUMN TO BE REINFORCED
SEE TYPICAL DETAIL ON S-508

Columns 813–826 (SHEAR WALL, SEE DRAWING S-20 at 827, 828, 829 and 830; the labels sit in the 25TH–26TH floor band. Columns 831–833, 806A, 808A, 812A, 813A, 816A, 817A, 820A, 821A, 824A and 825A are empty.)

Level	813	814	815	816	817	818	819	820	821	822	823	824	825	826
32ND FLOOR														
31ST FLOOR (EL. +408'-7 7/8" to +399'-10 7/8")	630 160 EX. 28 x 24 12 - #7	407 57 EX. 26 x 22 6 - #7	441 60 EX. 26 x 22 10 - #4	665 158 EX. 28 x 24 12 - #7	645 151 EX. 28 x 24 12 - #7	405 55 EX. 26 x 22 6 - #7	421 58 EX. 26 x 22 10 - #7	622 139 EX. 28 x 24 12 - #7	593 132 EX. 28 x 24 12 - #7	393 54 EX. 26 x 22 10 - #7	437 60 EX. 26 x 22 10 - #7	661 156 EX. 28 x 24 12 - #7	638 149 EX. 28 x 24 12 - #7	403 55 EX. 26 x 22 10 - #7
EX. 32ND FLOOR- DEMO	678 169 EX. 28 x 24 12 - #7	442 61 EX. 26 x 22 6 - #7	478 64 EX. 26 x 22 10 - #4	718 168 EX. 28 x 24 12 - #7	699 160 EX. 28 x 24 12 - #7	440 59 EX. 26 x 22 6 - #7	458 62 EX. 26 x 22 10 - #7	675 149 EX. 28 x 24 12 - #7	643 141 EX. 28 x 24 12 - #7	428 58 EX. 26 x 22 10 - #7	474 64 EX. 26 x 22 10 - #7	714 166 EX. 28 x 24 12 - #7	688 158 EX. 28 x 24 12 - #7	438 59 EX. 26 x 22 10 - #7
30TH FLOOR	726 178 EX. 28 x 28 14 - #7	477 65 EX. 26 x 26 12 - #7	515 68 EX. 26 x 26 12 - #7	771 178 EX. 28 x 28 14 - #7	745 169 EX. 28 x 28 14 - #7	475 63 EX. 26 x 26 14 - #7	495 66 EX. 26 x 26 12 - #7	728 159 EX. 28 x 28 14 - #7	693 150 EX. 28 x 28 14 - #7	463 62 EX. 26 x 26 12 - #7	511 68 EX. 26 x 26 12 - #7	767 176 EX. 28 x 28 14 - #7	738 167 EX. 28 x 28 14 - #7	473 63 EX. 26 x 26 12 - #7
29TH FLOOR	774 187 EX. 28 x 28 14 - #7	512 69 EX. 26 x 26 12 - #7	552 72 EX. 26 x 26 12 - #7	824 188 EX. 28 x 28 14 - #7	795 178 EX. 28 x 28 14 - #7	510 67 EX. 26 x 26 12 - #7	532 70 EX. 26 x 26 12 - #7	781 169 EX. 28 x 28 14 - #7	743 159 EX. 28 x 28 14 - #7	498 66 EX. 26 x 26 12 - #7	548 72 EX. 26 x 26 12 - #7	820 186 EX. 28 x 28 14 - #7	788 176 EX. 28 x 28 14 - #7	508 67 EX. 26 x 26 12 - #7
28TH FLOOR	822 196 EX. 28 x 28 14 - #7	547 73 EX. 26 x 26 12 - #7	589 76 EX. 26 x 26 12 - #7	877 198 EX. 28 x 28 14 - #7	845 187 EX. 28 x 28 14 - #7	545 74 EX. 26 x 26 12 - #7	569 74 EX. 26 x 26 12 - #7	834 179 EX. 28 x 28 14 - #7	793 168 EX. 28 x 28 14 - #7	533 70 EX. 26 x 26 12 - #7	585 76 EX. 26 x 26 12 - #7	873 196 EX. 28 x 28 14 - #7	838 185 EX. 28 x 28 14 - #7	543 71 EX. 26 x 26 12 - #7
27TH FLOOR	870 205 EX. 28 x 28 14 - #7	582 77 EX. 26 x 26 12 - #7	626 80 EX. 26 x 26 12 - #7	930 208 EX. 28 x 28 14 - #7	895 196 EX. 28 x 28 14 - #7	580 75 EX. 26 x 26 12 - #7	606 78 EX. 26 x 26 12 - #7	887 189 EX. 28 x 28 14 - #7	843 177 EX. 28 x 28 14 - #7	568 74 EX. 26 x 26 12 - #7	622 80 EX. 26 x 26 12 - #7	926 206 EX. 28 x 28 14 - #7	888 194 EX. 28 x 28 14 - #7	578 75 EX. 26 x 26 12 - #7
26TH FLOOR	918 214 EX. 28 x 28 14 - #7	617 81 EX. 26 x 26 12 - #7	663 84 EX. 26 x 26 12 - #7	983 218 EX. 28 x 28 14 - #7	945 205 EX. 28 x 28 14 - #7	615 79 EX. 26 x 26 12 - #7	643 82 EX. 26 x 26 12 - #7	940 199 EX. 28 x 28 14 - #7	893 186 EX. 28 x 28 14 - #7	603 78 EX. 26 x 26 12 - #7	659 84 EX. 26 x 26 12 - #7	979 216 EX. 28 x 28 14 - #7	938 203 EX. 28 x 28 14 - #7	613 79 EX. 26 x 26 12 - #7
25TH FLOOR	966 223 EX. 28 x 28 14 - #7	652 85 EX. 26 x 26 12 - #7	700 88 EX. 26 x 26 12 - #7	1036 228 EX. 28 x 28 14 - #7	995 214 EX. 28 x 28 14 - #7	650 83 EX. 26 x 26 12 - #7	680 86 EX. 26 x 26 12 - #7	993 209 EX. 28 x 28 14 - #7	943 195 EX. 28 x 28 14 - #7	638 82 EX. 26 x 26 12 - #7	696 88 EX. 26 x 26 12 - #7	1032 226 EX. 28 x 28 14 - #7	988 212 EX. 28 x 28 14 - #7	648 83 EX. 26 x 26 12 - #7
EX. 25TH FLOOR- DEMO	1015 232 EX. 28 x 28 14 - #7	688 89 EX. 26 x 26 12 - #7	739 92 EX. 26 x 26 12 - #7	1090 238 EX. 28 x 28 14 - #7	1047 223 EX. 28 x 28 14 - #7	686 87 EX. 26 x 26 12 - #7	719 90 EX. 26 x 26 12 - #7	1047 219 EX. 28 x 28 14 - #7	995 204 EX. 28 x 28 14 - #7	674 86 EX. 26 x 26 12 - #7	735 92 EX. 26 x 26 12 - #7	1086 236 EX. 28 x 28 14 - #7	1040 221 EX. 28 x 28 14 - #7	684 87 EX. 26 x 26 12 - #7
24TH FLOOR	1064 241 EX. 28 x 28 14 - #7	724 93 EX. 26 x 26 12 - #7	778 96 EX. 26 x 26 12 - #7	1144 248 EX. 28 x 28 14 - #7	1099 232 EX. 28 x 28 14 - #7	722 91 EX. 26 x 26 12 - #7	758 94 EX. 26 x 26 12 - #7	1101 229 EX. 28 x 28 14 - #7	1041 213 EX. 28 x 28 14 - #7	710 90 EX. 26 x 26 12 - #7	774 96 EX. 26 x 26 12 - #7	1140 246 EX. 28 x 28 14 - #7	1092 230 EX. 28 x 28 14 - #7	720 91 EX. 26 x 26 12 - #7
23RD FLOOR	1113 250 EX. 28 x 28 14 - #7	760 97 EX. 26 x 26 12 - #7	817 100 EX. 26 x 26 12 - #7	1198 258 EX. 28 x 28 14 - #7	1151 241 EX. 28 x 28 14 - #7	758 95 EX. 26 x 26 12 - #7	797 98 EX. 26 x 26 12 - #7	1155 239 EX. 28 x 28 14 - #7	1099 222 EX. 28 x 28 14 - #7	746 94 EX. 26 x 26 12 - #7	813 100 EX. 26 x 26 12 - #7	1194 256 EX. 28 x 28 14 - #7	1144 239 EX. 28 x 28 14 - #7	756 95 EX. 26 x 26 12 - #7
22ND FLOOR	1162 259 EX. 28 x 28 14 - #7	796 101 EX. 26 x 26 12 - #7	856 104 EX. 26 x 26 12 - #7	1252 268 EX. 28 x 28 14 - #7	1203 250 EX. 28 x 28 14 - #7	794 99 EX. 26 x 26 12 - #7	836 102 EX. 26 x 26 12 - #7	1209 249 EX. 28 x 28 14 - #7	1151 231 EX. 28 x 28 14 - #7	782 98 EX. 26 x 26 12 - #7	852 104 EX. 26 x 26 12 - #7	1248 266 EX. 28 x 28 14 - #7	1196 248 EX. 28 x 28 14 - #7	792 99 EX. 26 x 26 12 - #7
21ST FLOOR	1211 268 EX. 28 x 28 14 - #7	832 105 EX. 26 x 26 12 - #7	895 108 EX. 26 x 26 12 - #7	1306 278 EX. 28 x 28 14 - #7	1255 259 EX. 28 x 28 14 - #7	830 103 EX. 26 x 26 12 - #7	875 106 EX. 26 x 26 12 - #7	1263 259 EX. 28 x 28 14 - #7	1203 240 EX. 28 x 28 14 - #7	818 102 EX. 26 x 26 12 - #7	891 108 EX. 26 x 26 12 - #7	1302 276 EX. 28 x 28 16 - #8	1248 257 EX. 28 x 28 14 - #7	828 103 EX. 26 x 26 12 - #7
20TH FLOOR	1260 277 EX. 28 x 28 14 - #7	868 109 EX. 26 x 26 12 - #7	934 112 EX. 26 x 26 12 - #7	1360 288 EX. 28 x 28 14 - #8	1307 268 EX. 28 x 28 14 - #7	866 107 EX. 26 x 26 12 - #7	914 110 EX. 26 x 26 12 - #7	1317 269 EX. 28 x 28 14 - #7	1255 249 EX. 28 x 28 14 - #7	854 106 EX. 26 x 26 12 - #7	930 112 EX. 26 x 26 12 - #7	1356 286 EX. 28 x 28 16 - #8	1300 266 EX. 28 x 28 14 - #7	864 107 EX. 26 x 26 12 - #7
19TH FLOOR	1309 286 EX. 28 x 28 14 - #8	904 113 EX. 26 x 26 12 - #7	973 116 EX. 26 x 26 12 - #7	1414 298 EX. 28 x 28 16 - #9	1359 277 EX. 28 x 28 16 - #8	902 111 EX. 26 x 26 12 - #7	953 114 EX. 26 x 26 12 - #7	1371 279 EX. 28 x 28 16 - #9	1307 258 EX. 28 x 28 16 - #7	890 110 EX. 26 x 26 12 - #7	969 116 EX. 26 x 26 12 - #7	1410 296 EX. 28 x 28 16 - #9	1352 275 EX. 28 x 28 16 - #8	900 111 EX. 26 x 26 12 - #7
18TH FLOOR	1358 295 EX. 28 x 28 14 - #8	940 117 EX. 26 x 26 12 - #7	1012 120 EX. 26 x 26 12 - #7	1468 308 EX. 28 x 28 16 - #9	1411 286 EX. 28 x 28 16 - #8	938 115 EX. 26 x 26 12 - #7	992 118 EX. 26 x 26 12 - #7	1425 289 EX. 28 x 28 16 - #9	1359 267 EX. 28 x 28 16 - #7	926 114 EX. 26 x 26 12 - #7	1008 120 EX. 26 x 26 12 - #7	1464 306 EX. 28 x 28 16 - #9	1404 284 EX. 28 x 28 16 - #8	936 115 EX. 26 x 26 12 - #7
17TH FLOOR	1407 304 EX. 28 x 28 16 - #9	976 121 EX. 26 x 26 12 - #7	1051 124 EX. 26 x 26 12 - #7	1522 318 EX. 28 x 28 16 - #11	1463 295 EX. 28 x 28 16 - #10	974 119 EX. 26 x 26 12 - #7	1031 122 EX. 26 x 26 12 - #7	1497 299 EX. 28 x 28 16 - #10	1411 276 EX. 28 x 28 16 - #9	962 118 EX. 26 x 26 12 - #7	1047 124 EX. 26 x 26 12 - #7	1518 316 EX. 28 x 28 16 - #11	1456 293 EX. 28 x 28 16 - #10	972 119 EX. 26 x 26 12 - #7
16TH FLOOR	1456 313 EX. 28 x 28 16 - #9	1012 125 EX. 26 x 26 12 - #7	1090 128 EX. 26 x 26 12 - #7	1576 328 EX. 28 x 28 16 - #11	1515 304 EX. 28 x 28 16 - #10	1010 123 EX. 26 x 26 12 - #7	1070 126 EX. 26 x 26 12 - #7	1533 309 EX. 28 x 28 16 - #10	1463 285 EX. 28 x 28 16 - #9	998 122 EX. 26 x 26 12 - #7	1086 128 EX. 26 x 26 12 - #7	1572 326 EX. 28 x 28 16 - #11	1508 302 EX. 28 x 28 16 - #10	1008 123 EX. 26 x 26 12 - #7
15TH FLOOR	1505 322 EX. 28 x 28 16 - #7	1048 129 EX. 26 x 26 12 - #7	1129 132 EX. 26 x 26 12 - #7	1630 338 EX. 28 x 28 16 - #8	1567 313 EX. 28 x 28 16 - #7	1046 127 EX. 26 x 26 12 - #7	1109 130 EX. 26 x 26 12 - #7	1587 319 EX. 28 x 28 16 - #7	1515 294 EX. 28 x 28 16 - #7	1034 126 EX. 26 x 26 12 - #7	1125 132 EX. 26 x 26 12 - #7	1626 336 EX. 28 x 28 16 - #8	1560 311 EX. 28 x 28 16 - #7	1044 127 EX. 26 x 26 12 - #7
14TH FLOOR	1554 331 EX. 28 x 28 16 - #7	1084 133 EX. 26 x 26 12 - #7	1168 136 EX. 26 x 26 12 - #7	1684 348 EX. 28 x 28 16 - #8	1619 322 EX. 28 x 28 16 - #7	1082 131 EX. 26 x 26 12 - #7	1148 134 EX. 26 x 26 12 - #7	1641 329 EX. 28 x 28 16 - #7	1567 303 EX. 28 x 28 16 - #7	1070 130 EX. 26 x 26 12 - #7	1164 136 EX. 26 x 26 12 - #7	1680 346 EX. 28 x 28 16 - #8	1612 320 EX. 28 x 28 16 - #7	1080 131 EX. 26 x 26 12 - #7
13TH FLOOR	1603 340 EX. 28 x 28 16 - #7	1120 137 EX. 26 x 26 12 - #7	1207 140 EX. 26 x 26 12 - #7	1738 358 EX. 28 x 28 18 - #8	1671 331 EX. 28 x 28 16 - #7	1118 135 EX. 26 x 26 12 - #7	1187 138 EX. 26 x 26 12 - #7	1695 339 EX. 28 x 28 16 - #7	1619 312 EX. 28 x 28 16 - #7	1106 134 EX. 26 x 26 12 - #7	1203 140 EX. 26 x 26 12 - #7	1739 356 EX. 28 x 28 16 - #8	1664 329 EX. 28 x 28 16 - #7	1116 135 EX. 26 x 26 12 - #7
12TH FLOOR	1652 349 EX. 28 x 28 16 - #7	1156 141 EX. 26 x 26 12 - #7	1246 144 EX. 26 x 26 12 - #7	1792 368 EX. 28 x 28 18 - #8	1723 340 EX. 28 x 28 16 - #7	1154 139 EX. 26 x 26 12 - #7	1226 142 EX. 26 x 26 12 - #7	1749 349 EX. 28 x 28 16 - #7	1671 321 EX. 28 x 28 16 - #7	1142 138 EX. 26 x 26 12 - #7	1242 144 EX. 26 x 26 12 - #7	1788 366 EX. 28 x 28 16 - #8	1716 338 EX. 28 x 28 16 - #7	1152 139 EX. 26 x 26 12 - #7
EX. 11TH FLOOR- DEMO	1701 358 EX. 28 x 28 18 - #7	1192 145 EX. 26 x 26 12 - #7	1285 148 EX. 26 x 26 12 - #7	1846 378 EX. 28 x 28 18 - #10	1775 349 EX. 28 x 28 18 - #8	1190 143 EX. 26 x 26 12 - #7	1265 146 EX. 26 x 26 12 - #7	1803 359 EX. 28 x 28 18 - #9	1723 330 EX. 28 x 28 16 - #8	1178 142 EX. 26 x 26 12 - #7	1281 148 EX. 26 x 26 12 - #7	1842 376 EX. 28 x 28 18 - #10	1768 347 EX. 28 x 28 18 - #8	1188 143 EX. 26 x 26 12 - #7
EL. +207'-9 3/8"														

Columns 901–926 (rows run top to bottom. SHEAR WALL, SEE S-604 at 911, 912, 913 and 914; SHEAR WALL, SEE S-608 at 919, 920, 921 and 922; SHEAR WALL, SEE S-609 at 927, 928, 929 and 930, in the lowest two rows. Columns 931–942 are empty.)

	901	902	903	904	905	906	907	908	909	910	915	916	917	918	923	924	925	926
1	661 24 x 24 12 - #7	1152 16 x 36 12 - #7	1018 24 x 24 12 - #7	586 24" DIA 16 - #6	1384 24 x 24 14 - #6	1174 24 x 24 10 - #7	756 24 x 24 12 - #7	1332 24 x 24 10 - #7	839 24 x 24 12 - #7	690 28 x 24 8 - #9	1110 12 x 36 10 - #6	1611 12 x 36 16 - #6	1578 12 x 36 14 - #6	780 12 x 36 10 - #6	1062 12 x 36 10 - #6	1645 12 x 36 18 - #6	1531 12 x 36 14 - #6	798 12 x 36 10 - #6
2	700 24 x 24 12 - #7	1219 16 x 36 12 - #7	1080 24 x 24 12 - #7	636 24" DIA 16 - #6	1464 24 x 24 14 - #6	1241 24 x 24 10 - #7	813 24 x 24 12 - #7	1408 24 x 24 10 - #7	900 24 x 24 12 - #7	730 28 x 24 8 - #9	1176 12 x 36 10 - #6	1702 12 x 36 16 - #6	1667 12 x 36 14 - #6	837 12 x 36 10 - #6	1126 12 x 36 10 - #6	1739 12 x 36 18 - #6	1616 12 x 36 14 - #6	857 12 x 36 10 - #6
3	740 24 x 24 12 - #7	1286 16 x 36 12 - #7	1142 24 x 24 12 - #7	686 24" DIA 16 - #6	1544 24 x 24 14 - #6	1309 24 x 24 10 - #7	870 24 x 24 12 - #7	1483 24 x 24 10 - #7	961 24 x 24 12 - #7	770 28 x 24 8 - #9	1241 12 x 36 10 - #6	1794 12 x 36 16 - #6	1756 12 x 36 14 - #6	894 12 x 36 10 - #6	1189 12 x 36 10 - #6	1832 12 x 36 18 - #6	1702 12 x 36 14 - #6	915 12 x 36 10 - #6
4	779 24 x 24 12 - #7	1353 16 x 36 12 - #7	1204 24 x 24 12 - #7	736 24" DIA 16 - #6	1624 24 x 24 14 - #6	1377 24 x 24 10 - #7	927 24 x 24 12 - #7	1559 24 x 24 10 - #7	1022 24 x 24 12 - #7	810 28 x 24 8 - #9	1307 12 x 36 10 - #6	1885 12 x 36 16 - #6	1845 12 x 36 14 - #6	951 12 x 36 10 - #6	1252 12 x 36 10 - #6	1925 12 x 36 18 - #6	1787 12 x 36 14 - #6	974 12 x 36 10 - #6
5	818 24 x 24 12 - #7	1420 16 x 36 12 - #7	1266 24 x 24 12 - #7	786 24" DIA 16 - #6	1704 24 x 24 14 - #6	1444 24 x 24 10 - #7	983 24 x 24 12 - #7	1634 24 x 24 10 - #7	1083 24 x 24 12 - #7	851 28 x 24 8 - #9	1372 12 x 36 10 - #6	1976 12 x 36 16 - #6	1933 12 x 36 14 - #6	1008 12 x 36 10 - #6	1316 12 x 36 10 - #6	2018 12 x 36 18 - #6	1873 12 x 36 14 - #6	1033 12 x 36 10 - #6
6	857 24 x 24 12 - #7	1487 16 x 36 12 - #7	1328 24 x 24 12 - #7	836 24" DIA 16 - #6	1784 24 x 24 14 - #6	1512 24 x 24 10 - #7	1040 24 x 24 12 - #7	1709 24 x 24 10 - #7	1144 24 x 24 12 - #7	915 28 x 24 8 - #9	1438 12 x 36 10 - #6	2068 12 x 36 16 - #6	2022 12 x 36 14 - #6	1065 12 x 36 10 - #6	1379 12 x 36 10 - #6	2111 12 x 36 18 - #6	1958 12 x 36 14 - #6	1091 12 x 36 10 - #6
7	897 24 x 24 12 - #7	1554 16 x 36 12 - #7	1390 24 x 24 12 - #7	886 24" DIA 16 - #6	1864 24 x 24 14 - #6	1580 24 x 24 10 - #7	1097 24 x 24 12 - #7	1785 24 x 24 10 - #7	1206 24 x 24 12 - #7	966 28 x 24 8 - #9	1503 12 x 36 10 - #6	2159 12 x 36 16 - #6	2110 12 x 36 14 - #6	1122 12 x 36 10 - #6	1442 12 x 36 10 - #6	2204 12 x 36 18 - #6	2043 12 x 36 14 - #6	1150 12 x 36 10 - #6
8	936 24 x 24 12 - #7	1620 16 x 36 12 - #7	1452 24 x 24 12 - #7	935 24" DIA 16 - #6	1944 24 x 24 14 - #6	1647 24 x 24 10 - #7	1154 24 x 24 12 - #7	1860 24 x 24 10 - #7	1267 24 x 24 12 - #7	1013 28 x 24 8 - #9	1569 12 x 36 10 - #6	2250 12 x 36 16 - #6	2198 12 x 36 14 - #6	1180 12 x 36 10 - #6	1506 12 x 36 10 - #6	2297 12 x 36 18 - #6	2128 12 x 36 14 - #6	1208 12 x 36 10 - #6
9	976 24 x 24 12 - #7	1687 16 x 36 12 - #7	1514 24 x 24 12 - #7	985 24" DIA 16 - #6	2024 24 x 24 14 - #6	1715 24 x 24 10 - #7	1210 24 x 24 12 - #7	1936 24 x 24 10 - #7	1328 24 x 24 12 - #7	1058 28 x 24 8 - #9	1634 12 x 36 10 - #6	2341 12 x 36 16 - #6	2287 12 x 36 14 - #6	1237 12 x 36 10 - #6	1570 12 x 36 10 - #6	2390 12 x 36 18 - #6	2214 12 x 36 14 - #6	1267 12 x 36 10 - #6
10	1015 24 x 24 12 - #7	1754 16 x 36 12 - #7	1576 24 x 24 12 - #7	1035 24" DIA 16 - #6	2104 24 x 24 14 - #6	1783 24 x 24 10 - #7	1267 24 x 24 12 - #7	2011 24 x 24 10 - #7	1389 24 x 24 12 - #7	1102 28 x 24 8 - #9	1700 12 x 36 10 - #6	2432 12 x 36 16 - #6	2375 12 x 36 14 - #6	1295 12 x 36 10 - #6	1633 12 x 36 10 - #6	2483 12 x 36 18 - #6	2299 12 x 36 14 - #6	1326 12 x 36 10 - #6
11	1054 24 x 24 12 - #7	1821 16 x 36 12 - #7	1639 24 x 24 12 - #7	1085 24" DIA 16 - #6	2183 24 x 24 14 - #6	1850 24 x 24 10 - #7	1324 24 x 24 12 - #7	2086 24 x 24 10 - #7	1451 24 x 24 12 - #7	1146 28 x 24 8 - #9	1766 12 x 36 10 - #6	2523 12 x 36 16 - #7	2463 12 x 36 14 - #7	1352 12 x 36 10 - #6	1697 12 x 36 10 - #6	2576 12 x 36 18 - #8	2384 12 x 36 14 - #6	1385 12 x 36 10 - #6
12	1094 24 x 24 12 - #7	1888 16 x 36 12 - #7	1701 24 x 24 12 - #7	1135 24" DIA 16 - #6	2262 24 x 24 14 - #6	1918 24 x 24 10 - #7	1381 24 x 24 12 - #7	2161 24 x 24 10 - #7	1512 24 x 24 12 - #7	1189 28 x 24 8 - #9	1832 12 x 36 10 - #6	2614 12 x 36 16 - #8	2551 12 x 36 14 - #8	1410 12 x 36 10 - #6	1761 12 x 36 10 - #6	2668 12 x 36 18 - #9	2469 12 x 36 14 - #7	1444 12 x 36 10 - #6
13	1133 24 x 24 12 - #7	1955 16 x 36 12 - #7	1763 24 x 24 12 - #7	1185 24" DIA 16 - #6	2342 24 x 24 14 - #6	1986 24 x 24 10 - #7	1438 24 x 24 12 - #7	2236 24 x 24 10 - #7	1573 24 x 24 12 - #7	1232 28 x 24 8 - #9	1897 12 x 36 10 - #6	2704 12 x 36 16 - #9	2639 12 x 36 14 - #9	1468 12 x 36 10 - #6	1825 12 x 36 10 - #6	2761 12 x 36 18 - #10	2554 12 x 36 14 - #8	1503 12 x 36 10 - #6
14	1173 24 x 24 12 - #7	2021 16 x 36 12 - #7	1825 24 x 24 12 - #7	1235 24" DIA 16 - #6	2421 24 x 24 14 - #6	2053 24 x 24 10 - #7	1495 24 x 24 12 - #7	2310 24 x 24 10 - #7	1635 24 x 24 12 - #7	1275 28 x 24 8 - #9	1963 12 x 36 10 - #6	2795 12 x 36 16 - #10	2727 12 x 36 14 - #10	1525 12 x 36 10 - #6	1889 12 x 36 10 - #6	2853 12 x 36 18 - #10	2639 12 x 36 14 - #9	1562 12 x 36 10 - #6
15	1212 24 x 24 12 - #7	2088 16 x 36 12 - #7	1888 24 x 24 12 - #7	1285 24" DIA 16 - #6	2499 24 x 24 14 - #6	2121 24 x 24 10 - #7	1552 24 x 24 12 - #7	2385 24 x 24 10 - #7	1696 24 x 24 12 - #7	1318 28 x 24 8 - #9	2029 12 x 36 10 - #6	2885 12 x 36 16 - #11	2814 12 x 36 14 - #11	1583 12 x 36 10 - #6	1953 12 x 36 10 - #6	2946 12 x 36 18 - #11	2724 12 x 36 14 - #10	1622 12 x 36 10 - #6
16	1252 24 x 24 12 - #7	2155 16 x 36 12 - #7	1950 24 x 24 12 - #7	1333 22" DIA 16 - #6	2578 24 x 24 14 - #6	2189 24 x 24 10 - #7	1609 24 x 24 12 - #7	2460 24 x 24 10 - #7	1757 24 x 24 12 - #7	1361 28 x 24 8 - #9	2096 14 x 36 10 - #7	2977 14 x 36 16 - #8	2903 14 x 36 14 - #8	1642 14 x 36 10 - #7	2018 14 x 36 10 - #7	3039 14 x 36 18 - #8	2810 14 x 36 14 - #6	1681 14 x 36 10 - #7
15TH FLOOR					2690 24 x 24 14 - #6													
14TH FLOOR					2804 24 x 24 14 - #6													
13TH FLOOR					2921 24 x 24 14 - #6													
12TH FLOOR					3004 24 x 24 14 - #6													
EX. 11TH FLOOR- DEMO					3121 24 x 24 14 - #6													
EL. +207'-9 3/8"					3219 24 x 24 14 - #6													

FOR COLUMN SCHEDULES NOTES AND DETAILS SEE S-508

Roxane Tsirigotis, RA
R. Tsirigotis
Buildings
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

Design 2147 Limited | Code Consultant
52 Diamond Street, Brooklyn, NY 11222
718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

Theatre Projects Consultants | Theater Consultant
47 Water Street
South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

Fisher Marantz Stone | Lighting Design
22 West 19th Street, Floor 6
New York, NY 10011
212 691 3020 | fmsp.com

Jaffe Holden | Acoustic Consultant
114–A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

DOB APPROVAL STAMP

Date:	No.:	Description:
12.09.2016	15	ISSUED FOR DOB FILING
11.15.2016	14	SOFT & STRUCTURAL DEMOLITION ISSUED FOR BID
11.09.2016	13	ISSUED FOR TA FILING
11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
TOWER COLUMN SCHEDULE II

Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: 1 : 109
Signature & Seal: STATE OF NEW YORK · RAWSIE JIJINA · LICENSED PROFESSIONAL ENGINEER · 060340

Sheet Number: S-506.00
NYC DOB Number:
Sheet: of

12/29/2016 11:25:56 AM

COLUMN SCHEDULE

Floor levels (top to bottom): 48TH SCREENING EL. +592'-11 7/8"; 47TH MAIN ROOF EL. +569'-11 7/8"; 46TH FLOOR EL. +553'-7 7/8"; 45TH FLOOR EL. +541'-11 7/8"; 44TH FLOOR EL. +530'-3 7/8"; EX. ROOF- DEMO EL. +528'-7 3/8"; EX.EMR 2 EL. +519'-4 3/8"; 43RD FLOOR EL. +518'-7 7/8"; EX.EMR 1 EL. +509'-11 3/8"; 42ND FLOOR EL. +506'-11 7/8"; EX.MAIN ROOF- DEMO EL. +499'-5 7/8"; 41ST FLOOR EL. +497'-1 7/8"; 40TH FLOOR EL. +487'-3 7/8"; EX. 43RD FLOOR- DEMO EL. +486'-11 7/8"; EX. 42ND FLOOR- DEMO EL. +478'-3 3/8"; 39TH FLOOR EL. +477'-5 7/8"; EX. 41ST FLOOR- DEMO EL. +469'-6 7/8"; 38TH FLOOR EL. +467'-7 7/8"; EX. 40TH FLOOR- DEMO EL. +460'-10 3/8"; 37TH FLOOR EL. +457'-9 7/8"; EX. 39TH FLOOR- DEMO EL. +452'-1 7/8"; 36TH FLOOR EL. +447'-11 7/8"; EX. 38TH FLOOR- DEMO EL. +443'-5 3/8"; 35TH FLOOR EL. +438'-1 7/8"; EX. 37TH FLOOR- DEMO EL. +434'-8 7/8"; 34TH FLOOR EL. +428'-3 7/8"; EX. 36TH FLOOR- DEMO EL. +426'-0 3/8"; 33RD FLOOR EL. +418'-5 7/8"; EX. 35TH FLOOR- DEMO EL. +417'-3 7/8"; 32ND FLOOR EL. +408'-7 7/8"; EX. 34TH FLOOR- DEMO EL. +408'-7 3/8"

FLOOR \ COLUMN	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817
EX.EMR 2	30 60 EX. 22 x 26 8 - #6	43 12 EX. 22 x 26 8 - #6	104 10 EX. 22 x 26 6 - #6		35 9 EX. 30 x 22 8 - #6												
EX.EMR 1	30 60 EX. 22 x 26 8 - #6	43 12 EX. 22 x 26 8 - #6	104 10 EX. 22 x 26 8 - #6		45 15 EX. 30 x 22 8 - #6												
EX.MAIN ROOF- DEMO	30 60 EX. 22 x 26 8 - #6	43 12 EX. 22 x 26 8 - #6	104 10 EX. 22 x 26 8 - #6		61 25 EX. 30 x 22 8 - #6					↑							
EX. 43RD FLOOR- DEMO	67 16 EX. 22 x 26 8 - #6	99 35 EX. 22 x 26 8 - #6	156 31 EX. 22 x 26 8 - #6	23 5 EX. 18" 8 - #6	104 57 EX. 30 x 22 8 - #6	111 34 EX. 28 x 24 8 - #6	49 7 EX. 26 x 22 8 - #6	116 42 EX. 28 x 24 8 - #6	50 8 EX. 26 x 22 8 - #6		↑	↑	150 48 EX. 28 x 24 8 - #6	57 10 EX. 26 x 22 8 - #6	71 10 EX. 26 x 22 8 - #6	135 35 EX. 28 x 24 8 - #6	145 34 EX. 28 x 24 8 - #6
EX. 42ND FLOOR- DEMO	91 19 EX. 22 x 26 8 - #6	139 43 EX. 22 x 26 8 - #6	193 38 EX. 22 x 26 8 - #6	52 10 EX. 18" 8 - #6	146 72 EX. 30 x 22 8 - #6	151 44 EX. 28 x 24 8 - #6	81 12 EX. 26 x 22 8 - #6	164 57 EX. 28 x 24 8 - #6	85 14 EX. 26 x 22 8 - #6				198 63 EX. 28 x 24 8 - #6	92 16 EX. 26 x 22 8 - #6	108 17 EX. 26 x 22 8 - #6	188 51 EX. 28 x 24 8 - #6	195 49 EX. 28 x 24 8 - #6
EX. 41ST FLOOR- DEMO	115 22 EX. 22 x 26 8 - #6	179 50 EX. 22 x 26 8 - #6	230 45 EX. 22 x 26 8 - #6	81 14 EX. 18" 8 - #6	188 86 EX. 30 x 22 8 - #6	191 54 EX. 28 x 24 8 - #6	113 17 EX. 26 x 22 8 - #6	212 71 EX. 28 x 24 8 - #6	120 30 EX. 26 x 22 8 - #6				246 77 EX. 28 x 24 8 - #6	127 22 EX. 26 x 22 8 - #6	145 23 EX. 26 x 22 8 - #6	241 66 EX. 28 x 24 8 - #6	245 64 EX. 28 x 24 8 - #6
EX. 40TH FLOOR- DEMO	139 25 EX. 22 x 26 8 - #6	219 57 EX. 22 x 26 8 - #6	267 51 EX. 22 x 26 8 - #6	110 18 EX. 18" 8 - #6	230 99 EX. 30 x 22 8 - #6	231 63 EX. 28 x 24 8 - #6	145 22 EX. 26 x 22 8 - #6	260 84 EX. 28 x 24 8 - #6	155 25 EX. 26 x 22 8 - #6				294 90 EX. 28 x 24 8 - #6	162 27 EX. 26 x 22 8 - #6	182 29 EX. 26 x 22 8 - #6	294 80 EX. 28 x 24 8 - #6	295 78 EX. 28 x 24 8 - #6
EX. 39TH FLOOR- DEMO	163 28 EX. 22 x 26 8 - #6	259 63 EX. 22 x 26 8 - #6	304 57 EX. 22 x 26 8 - #6	139 22 EX. 18" 8 - #6	272 111 EX. 30 x 22 8 - #6	271 71 EX. 28 x 24 8 - #6	177 26 EX. 26 x 22 8 - #6	308 96 EX. 28 x 24 8 - #6	190 30 EX. 26 x 22 8 - #6				342 102 EX. 28 x 24 8 - #6	197 32 EX. 26 x 22 8 - #6	219 34 EX. 26 x 22 8 - #6	347 93 EX. 28 x 24 8 - #6	345 91 EX. 28 x 24 8 - #6
EX. 38TH FLOOR- DEMO	187 31 EX. 22 x 26 8 - #6	299 69 EX. 22 x 26 8 - #6	341 62 EX. 22 x 26 8 - #6	168 25 EX. 18" 8 - #6	314 122 EX. 30 x 22 8 - #6	311 79 EX. 28 x 24 8 - #6	209 30 EX. 26 x 22 8 - #6	356 107 EX. 28 x 24 8 - #6	225 35 EX. 26 x 22 8 - #6				390 113 EX. 28 x 24 8 - #6	232 37 EX. 26 x 22 8 - #6	256 39 EX. 26 x 22 8 - #6	400 105 EX. 28 x 24 8 - #6	395 103 EX. 28 x 24 8 - #6
EX. 37TH FLOOR- DEMO	211 33 EX. 22 x 26 10 - #7	339 74 EX. 22 x 26 10 - #7	378 67 EX. 22 x 26 10 - #7	197 28 EX. 18" 8 - #7	356 133 EX. 30 x 22 12 - #7	351 86 EX. 28 x 24 12 - #7	241 34 EX. 26 x 22 10 - #7	404 117 EX. 28 x 24 12 - #7	260 39 EX. 26 x 22 10 - #7				438 123 EX. 28 x 24 12 - #7	267 41 EX. 26 x 22 10 - #7	293 44 EX. 26 x 22 10 - #4	453 117 EX. 28 x 24 12 - #7	445 117 EX. 28 x 24 12 - #7
EX. 36TH FLOOR- DEMO	235 35 EX. 22 x 26 10 - #7	379 79 EX. 22 x 26 10 - #7	417 72 EX. 22 x 26 10 - #7	226 31 EX. 18" 8 - #7	398 143 EX. 30 x 22 12 - #7	391 93 EX. 28 x 24 12 - #7	273 37 EX. 26 x 22 10 - #7	452 127 EX. 28 x 24 12 - #7	295 43 EX. 26 x 22 10 - #7				486 133 EX. 28 x 24 12 - #7	302 45 EX. 26 x 22 6 - #7	330 48 EX. 26 x 22 10 - #4	506 128 EX. 28 x 24 12 - #7	495 124 EX. 28 x 24 12 - #7
EX. 35TH FLOOR- DEMO	259 37 EX. 22 x 26 10 - #7	419 84 EX. 22 x 26 10 - #7	456 76 EX. 22 x 26 10 - #7	255 34 EX. 18" 8 - #7	440 152 EX. 30 x 22 12 - #7	431 99 EX. 28 x 24 12 - #7	305 40 EX. 26 x 22 10 - #7	500 136 EX. 28 x 24 12 - #7	330 47 EX. 26 x 22 10 - #7				534 142 EX. 28 x 24 12 - #7	337 49 EX. 26 x 22 6 - #7	367 52 EX. 26 x 22 10 - #4	559 138 EX. 28 x 24 12 - #7	545 133 EX. 28 x 24 12 - #7
EX. 34TH FLOOR- DEMO	283 39 EX. 22 x 26 10 - #7	459 89 EX. 22 x 26 10 - #7	495 80 EX. 22 x 26 10 - #7	284 37 EX. 18" 8 - #7	482 161 EX. 30 x 22 12 - #7	471 105 EX. 28 x 24 12 - #7	337 43 EX. 26 x 22 10 - #7	548 145 EX. 28 x 24 12 - #7	365 51 EX. 26 x 22 10 - #7				582 152 EX. 28 x 24 12 - #7	372 53 EX. 26 x 22 6 - #7	404 56 EX. 26 x 22 10 - #4	612 148 EX. 28 x 24 12 - #7	595 142 EX. 28 x 24 12 - #7

FLOOR \ COLUMN	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833
EX.EMR 1											↑	↑				
EX. 43RD FLOOR- DEMO	55 8 EX. 26 x 22 8 - #6	51 8 EX. 26 x 22 8 - #6	92 16 EX. 28 x 24 8 - #6	93 15 EX. 28 x 24 8 - #6	43 7 EX. 26 x 22 8 - #6	67 10 EX. 26 x 22 8 - #6	131 33 EX. 28 x 24 8 - #6	138 32 EX. 28 x 24 8 - #6	53 8 EX. 26 x 22 8 - #6	EX. 21 x 26 12 - #7			EX. 21 x 26 12 - #7			
EX. 42ND FLOOR- DEMO	90 14 EX. 26 x 22 8 - #6	88 15 EX. 26 x 22 8 - #6	145 32 EX. 28 x 24 8 - #6	143 30 EX. 28 x 24 8 - #6	78 13 EX. 26 x 22 8 - #6	104 17 EX. 26 x 22 8 - #6	184 49 EX. 28 x 24 8 - #6	188 47 EX. 28 x 24 8 - #6	88 14 EX. 26 x 22 8 - #6							
EX. 41ST FLOOR- DEMO	125 20 EX. 26 x 22 8 - #6	125 21 EX. 26 x 22 8 - #6	198 47 EX. 28 x 24 8 - #6	143 45 EX. 28 x 24 8 - #6	113 19 EX. 26 x 22 8 - #6	141 23 EX. 26 x 22 8 - #6	237 64 EX. 28 x 24 8 - #6	238 62 EX. 28 x 24 8 - #6	123 20 EX. 26 x 22 8 - #6	EX. 21 x 26 12 - #7			EX. 21 x 26 12 - #7			
EX. 40TH FLOOR- DEMO	160 25 EX. 26 x 22 8 - #6	162 27 EX. 26 x 22 8 - #6	251 61 EX. 28 x 24 8 - #6	243 59 EX. 28 x 24 8 - #6	148 24 EX. 26 x 22 8 - #6	178 29 EX. 26 x 22 8 - #6	290 78 EX. 28 x 24 8 - #6	288 76 EX. 28 x 24 8 - #6	158 25 EX. 26 x 22 8 - #6	↑			↑			
EX. 39TH FLOOR- DEMO	195 30 EX. 26 x 22 8 - #6	199 32 EX. 26 x 22 8 - #6	304 74 EX. 28 x 24 8 - #6	293 72 EX. 28 x 24 8 - #6	183 29 EX. 26 x 22 8 - #6	215 34 EX. 26 x 22 8 - #6	343 91 EX. 28 x 24 8 - #6	338 89 EX. 28 x 24 8 - #6	193 30 EX. 26 x 22 8 - #6							
EX. 38TH FLOOR- DEMO	230 35 EX. 26 x 22 8 - #6	236 37 EX. 26 x 22 8 - #6	357 86 EX. 28 x 24 8 - #6	343 84 EX. 28 x 24 8 - #6	218 34 EX. 26 x 22 8 - #6	252 39 EX. 26 x 22 8 - #6	396 103 EX. 28 x 24 8 - #6	388 101 EX. 28 x 24 8 - #6	228 35 EX. 26 x 22 8 - #6							
EX. 37TH FLOOR- DEMO	265 39 EX. 26 x 22 10 - #7	273 42 EX. 26 x 22 10 - #7	410 98 EX. 28 x 24 12 - #7	393 95 EX. 28 x 24 12 - #7	253 38 EX. 26 x 22 10 - #7	289 44 EX. 26 x 22 10 - #7	449 115 EX. 28 x 24 12 - #7	438 112 EX. 28 x 24 12 - #7	263 39 EX. 26 x 22 10 - #7							
EX. 36TH FLOOR- DEMO	300 43 EX. 26 x 22 6 - #7	310 46 EX. 26 x 22 10 - #7	463 109 EX. 28 x 24 12 - #7	443 105 EX. 28 x 24 12 - #7	228 42 EX. 26 x 22 10 - #7	326 48 EX. 26 x 22 10 - #7	502 126 EX. 28 x 24 12 - #7	488 122 EX. 28 x 24 12 - #7	298 43 EX. 26 x 22 10 - #7							
EX. 35TH FLOOR- DEMO	335 47 EX. 26 x 22 6 - #7	347 50 EX. 26 x 22 10 - #7	516 119 EX. 28 x 24 12 - #7	493 114 EX. 28 x 24 12 - #7	323 46 EX. 26 x 22 10 - #7	363 52 EX. 26 x 22 10 - #7	555 136 EX. 28 x 24 12 - #7	538 131 EX. 28 x 24 12 - #7	333 47 EX. 26 x 22 10 - #7							
EX. 34TH FLOOR- DEMO	370 51 EX. 26 x 22 6 - #7	385 54 EX. 26 x 22 10 - #7	569 129 EX. 28 x 24 12 - #7	543 123 EX. 28 x 24 12 - #7	358 50 EX. 26 x 22 10 - #7	400 56 EX. 26 x 22 10 - #7	608 146 EX. 28 x 24 12 - #7	588 140 EX. 28 x 24 12 - #7	368 51 EX. 26 x 22 10 - #7							

FLOOR \ COLUMN	806A	808A	812A	813A	816A	817A	820A	821A	824A	825A
EX.EMR 1	18 x 18 4 - #8	18 x 18 4 - #8	18 x 18 4 - #8	18 x 18 4 - #8	18 x 18 4 - #8	18 x 18 4 - #8	18 x 18 4 - #8	18 x 18 4 - #8	18 x 18 4 - #8	18 x 18 4 - #8
EX.MAIN ROOF- DEMO	18 x 18 4 - #8	18 x 18 4 - #8	18 x 18 4 - #8	18 x 18 4 - #8	18 x 18 4 - #8	18 x 18 4 - #8	18 x 18 4 - #8	18 x 18 4 - #8	18 x 18 4 - #8	18 x 18 4 - #8

FLOOR \ COLUMN	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921
46TH FLOOR	47 24 x 24 12 - #7	86 16 x 36 12 - #7	68 24 x 24 12 - #7		105 24 x 24 14 - #6	86 12 x 24 10 - #6		100 12 x 24 10 - #6		58 28 x 24 8 - #9	↑	↑	108 12 x 24 10 - #6		86 12 x 24 10 - #6	123 12 x 24 16 - #6	119 12 x 24 14 - #6		↑	↑	113 12 x 24 10 - #6
45TH FLOOR	109 24 x 24 12 - #7	206 16 x 36 12 - #7	161 24 x 24 12 - #7		260 24 x 24 14 - #6	213 12 x 24 10 - #6		254 12 x 24 10 - #6		124 28 x 24 8 - #9			279 12 x 24 10 - #6		197 12 x 24 10 - #6	311 12 x 24 16 - #6	306 12 x 24 14 - #6				296 12 x 24 10 - #6
44TH FLOOR	149 24 x 24 12 - #7	275 16 x 36 12 - #7	219 24 x 24 12 - #7		336 24 x 24 14 - #6	283 12 x 24 10 - #6		332 12 x 24 10 - #6		165 28 x 24 8 - #9			364 12 x 24 10 - #6		261 12 x 24 10 - #6	403 12 x 24 16 - #6	399 12 x 24 14 - #6				387 12 x 24 10 - #6
43RD FLOOR	191 24 x 24 12 - #7	345 16 x 36 12 - #7	278 24 x 24 12 - #7		414 24 x 24 14 - #6	353 12 x 24 10 - #6		409 12 x 24 10 - #6		212 28 x 24 8 - #9			450 12 x 24 10 - #6		326 12 x 24 10 - #6	497 12 x 24 16 - #6	494 12 x 24 14 - #6				479 12 x 24 10 - #6
42ND FLOOR	230 24 x 24 12 - #7	413 16 x 36 12 - #7	336 24 x 24 12 - #7	41 24" 16 - #6	488 24 x 24 14 - #6	429 24 x 24 10 - #7	133 24 x 24 12 - #7	492 24 x 24 10 - #7	168 24 x 24 12 - #7	241 28 x 24 8 - #9			↑	↑	392 12 x 36 10 - #6	592 12 x 36 16 - #6	587 12 x 36 14 - #6	158 12 x 36 10 - #6			↑
41ST FLOOR	269 24 x 24 12 - #7	480 16 x 36 12 - #7	398 24 x 24 12 - #7	88 24" 16 - #6	571 24 x 24 14 - #6	496 24 x 24 10 - #7	189 24 x 24 12 - #7	569 24 x 24 10 - #7	229 24 x 24 12 - #7	275 28 x 24 8 - #9					457 12 x 36 10 - #6	685 12 x 36 16 - #6	678 12 x 36 14 - #6	214 12 x 36 10 - #6			
40TH FLOOR	309 24 x 24 12 - #7	548 16 x 36 12 - #7	461 24 x 24 12 - #7	137 24" 16 - #6	653 24 x 24 14 - #6	565 24 x 24 10 - #7	247 24 x 24 12 - #7	646 24 x 24 10 - #7	290 24 x 24 12 - #7	313 28 x 24 8 - #9					523 12 x 36 10 - #6	779 12 x 36 16 - #6	769 12 x 36 14 - #6	271 12 x 36 10 - #6			
39TH FLOOR	348 24 x 24 12 - #7	615 16 x 36 12 - #7	523 24 x 24 12 - #7	186 24" 16 - #6	735 24 x 24 14 - #6	633 24 x 24 10 - #7	304 24 x 24 12 - #7	723 24 x 24 10 - #7	351 24 x 24 12 - #7	351 28 x 24 8 - #9					588 12 x 36 10 - #6	872 12 x 36 16 - #6	860 12 x 36 14 - #6	327 12 x 36 10 - #6			
38TH FLOOR	387 24 x 24 12 - #7	682 16 x 36 12 - #7	584 24 x 24 12 - #7	236 24" 16 - #6	816 24 x 24 14 - #6	700 24 x 24 10 - #7	360 24 x 24 12 - #7	799 24 x 24 10 - #7	412 24 x 24 12 - #7	388 28 x 24 8 - #9					653 12 x 36 10 - #6	965 12 x 36 16 - #6	950 12 x 36 14 - #6	384 12 x 36 10 - #6			
37TH FLOOR	426 24 x 24 12 - #7	749 16 x 36 12 - #7	646 24 x 24 12 - #7	286 24" 16 - #6	898 24 x 24 14 - #6	768 24 x 24 10 - #7	417 24 x 24 12 - #7	875 24 x 24 10 - #7	473 24 x 24 12 - #7	425 28 x 24 8 - #9					719 12 x 36 10 - #6	1057 12 x 36 16 - #6	1040 12 x 36 14 - #6	440 12 x 36 10 - #6			
36TH FLOOR	465 24 x 24 12 - #7	817 16 x 36 12 - #7	708 24 x 24 12 - #7	336 24" 16 - #6	979 24 x 24 14 - #6	835 24 x 24 10 - #7	473 24 x 24 12 - #7	952 24 x 24 10 - #7	534 24 x 24 12 - #7	479 28 x 24 8 - #9					784 12 x 36 10 - #6	1150 12 x 36 16 - #6	1130 12 x 36 14 - #6	497 12 x 36 10 - #6			
35TH FLOOR	504 24 x 24 12 - #7	884 16 x 36 12 - #7	770 24 x 24 12 - #7	386 24" 16 - #6	1060 24 x 24 14 - #6	903 24 x 24 10 - #7	530 24 x 24 12 - #7	1028 24 x 24 10 - #7	595 24 x 24 12 - #7	524 28 x 24 8 - #9					849 12 x 36 10 - #6	1243 12 x 36 16 - #6	1220 12 x 36 14 - #6	553 12 x 36 10 - #6			
34TH FLOOR	544 24 x 24 12 - #7	951 16 x 36 12 - #7	832 24 x 24 12 - #7	436 24" 16 - #6	1141 24 x 24 14 - #6	971 24 x 24 10 - #7	586 24 x 24 12 - #7	1104 24 x 24 10 - #7	656 24 x 24 12 - #7	567 28 x 24 8 - #9					914 12 x 36 10 - #6	1335 12 x 36 16 - #6	1310 12 x 36 14 - #6	610 12 x 36 10 - #6			
33RD FLOOR	583 24 x 24 12 - #7	1018 16 x 36 12 - #7	894 24 x 24 12 - #7	486 24" 16 - #6	1222 24 x 24 14 - #6	1038 24 x 24 10 - #7	643 24 x 24 12 - #7	1180 24 x 24 10 - #7	717 24 x 24 12 - #7	608 28 x 24 8 - #9					980 12 x 36 10 - #6	1427 12 x 36 16 - #6	1400 12 x 36 14 - #6	666 12 x 36 10 - #6			
32ND FLOOR	622 24 x 24 12 - #7	1085 16 x 36 12 - #7	956 24 x 24 12 - #7	536 24" 16 - #6	1303 24 x 24 14 - #6	1106 24 x 24 10 - #7	700 24 x 24 12 - #7	1256 24 x 24 10 - #7	778 24 x 24 12 - #7	649 28 x 24 8 - #9					1045 12 x 36 10 - #6	1519 12 x 36 16 - #6	1489 12 x 36 14 - #6	723 12 x 36 10 - #6			

FLOOR \ COLUMN	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942
46TH FLOOR		78 12 x 24 10 - #6	122 12 x 24 18 - #6	118 12 x 24 14 - #6		↑	↑	↑													
45TH FLOOR		183 12 x 24 10 - #6	317 12 x 24 18 - #6	300 12 x 24 14 - #6						38 12" DIA 6 - #6	52 12" DIA 6 - #6	49 12" DIA 6 - #6	48 12" DIA 6 - #6	47 12" DIA 6 - #6	49 12" DIA 6 - #6						
44TH FLOOR		244 12 x 24 10 - #6	412 12 x 24 18 - #6	391 12 x 24 14 - #6						63 12" DIA 6 - #6	86 12" DIA 6 - #6	82 12" DIA 6 - #6	80 12" DIA 6 - #6	79 12" DIA 6 - #6	81 12" DIA 6 - #6						
43RD FLOOR		306 12 x 24 10 - #6	508 12 x 24 18 - #6	482 12 x 24 14 - #6						88 12" DIA 6 - #6	119 12" DIA 6 - #6	115 12" DIA 6 - #6	112 12" DIA 6 - #6	113 12" DIA 6 - #6	113 12" DIA 6 - #6						
42ND FLOOR	↑	368 12 x 36 10 - #6	603 12 x 36 18 - #6	576 12 x 36 14 - #6	159 12 x 36 10 - #6				↑												
41ST FLOOR		431 12 x 36 10 - #6	699 12 x 36 18 - #6	664 12 x 36 14 - #6	216 12 x 36 10 - #6																
40TH FLOOR		495 12 x 36 10 - #6	795 12 x 36 18 - #6	752 12 x 36 14 - #6	275 12 x 36 10 - #6																
39TH FLOOR		558 12 x 36 10 - #6	890 12 x 36 18 - #6	839 12 x 36 14 - #6	333 12 x 36 10 - #6																
38TH FLOOR		621 12 x 36 10 - #6	985 12 x 36 18 - #6	926 12 x 36 14 - #6	391 12 x 36 10 - #6																
37TH FLOOR		684 12 x 36 10 - #6	1080 12 x 36 18 - #6	1013 12 x 36 14 - #6	449 12 x 36 10 - #6																
36TH FLOOR		747 12 x 36 10 - #6	1175 12 x 36 18 - #6	1099 12 x 36 14 - #6	507 12 x 36 10 - #6																
35TH FLOOR		810 12 x 36 10 - #6	1269 12 x 36 18 - #6	1186 12 x 36 14 - #6	565 12 x 36 10 - #6																
34TH FLOOR		873 12 x 36 10 - #6	1364 12 x 36 18 - #6	1272 12 x 36 14 - #6	624 12 x 36 10 - #6																
33RD FLOOR		936 12 x 36 10 - #6	1458 12 x 36 18 - #6	1359 12 x 36 14 - #6	682 12 x 36 10 - #6																
32ND FLOOR		999 12 x 36 10 - #6	1525 12 x 36 18 - #6	1445 12 x 36 14 - #6	740 12 x 36 10 - #6																

FOR COLUMN SCHEDULES NOTES AND DETAILS SEE S-508

Roxane Tsirigotis, RA
APPROVED Under Directive 2 of 1975
Date: 04/25/2018
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PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
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New York City, New York 10005
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TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

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07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway
New York, NY 10036

Sheet Title:
TOWER COLUMN SCHEDULE III

Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: 1 : 109
Signature & Seal: STATE OF NEW YORK · RAWSIE JIJINA · 060340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number: S-507.00
NYC DOB Number:
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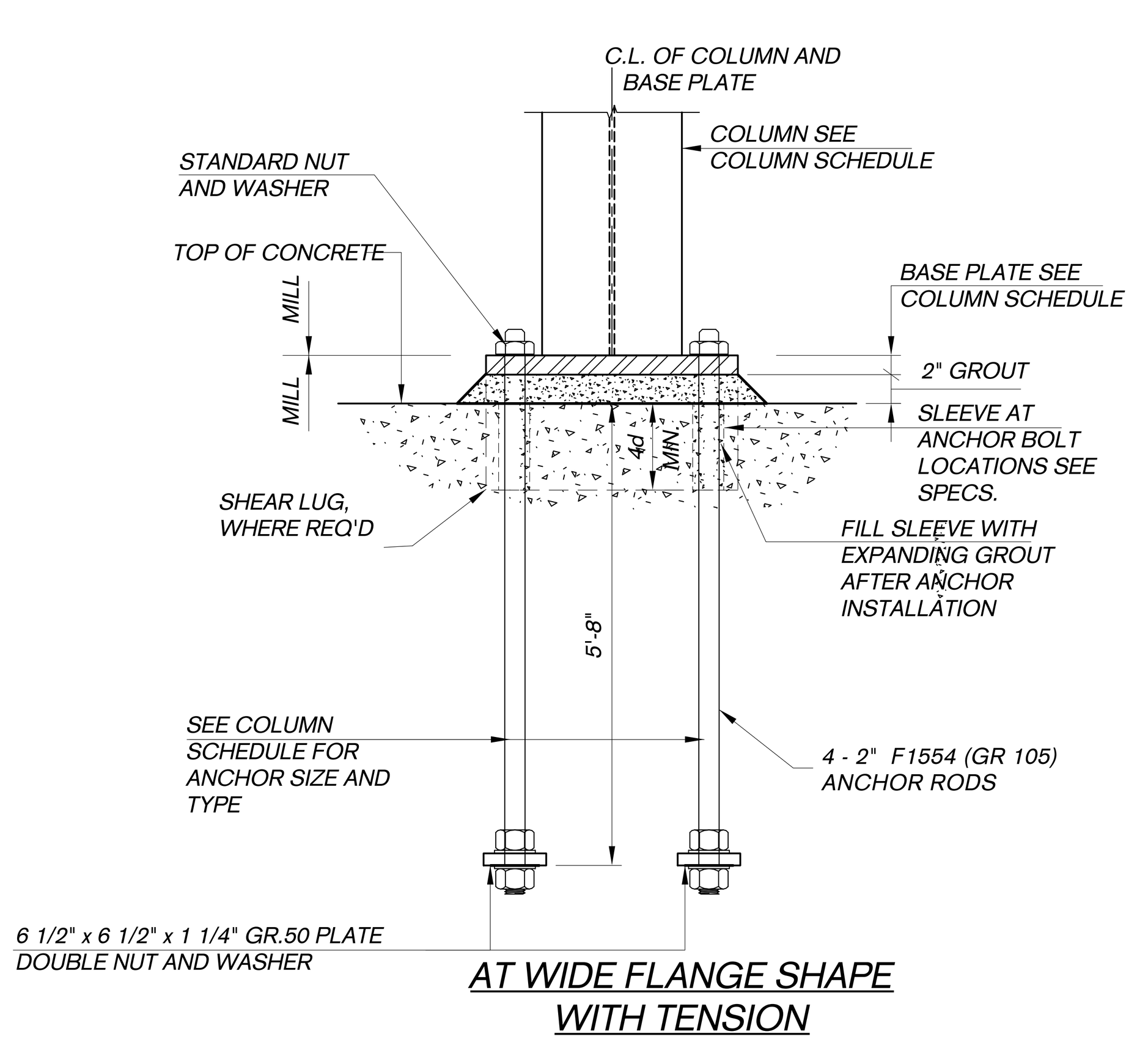
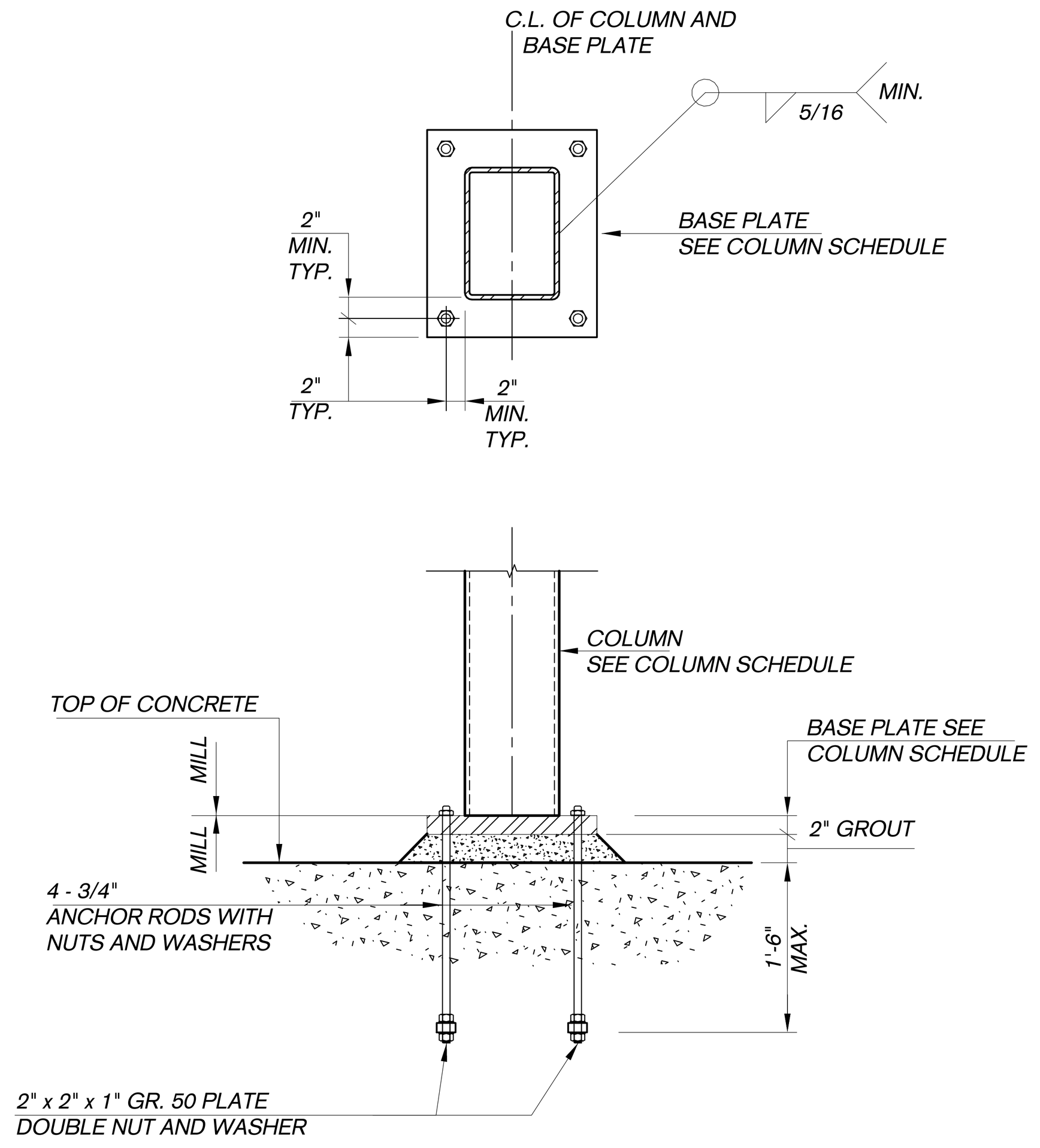


AT WIDE FLANGE SHAPE WITH TENSION

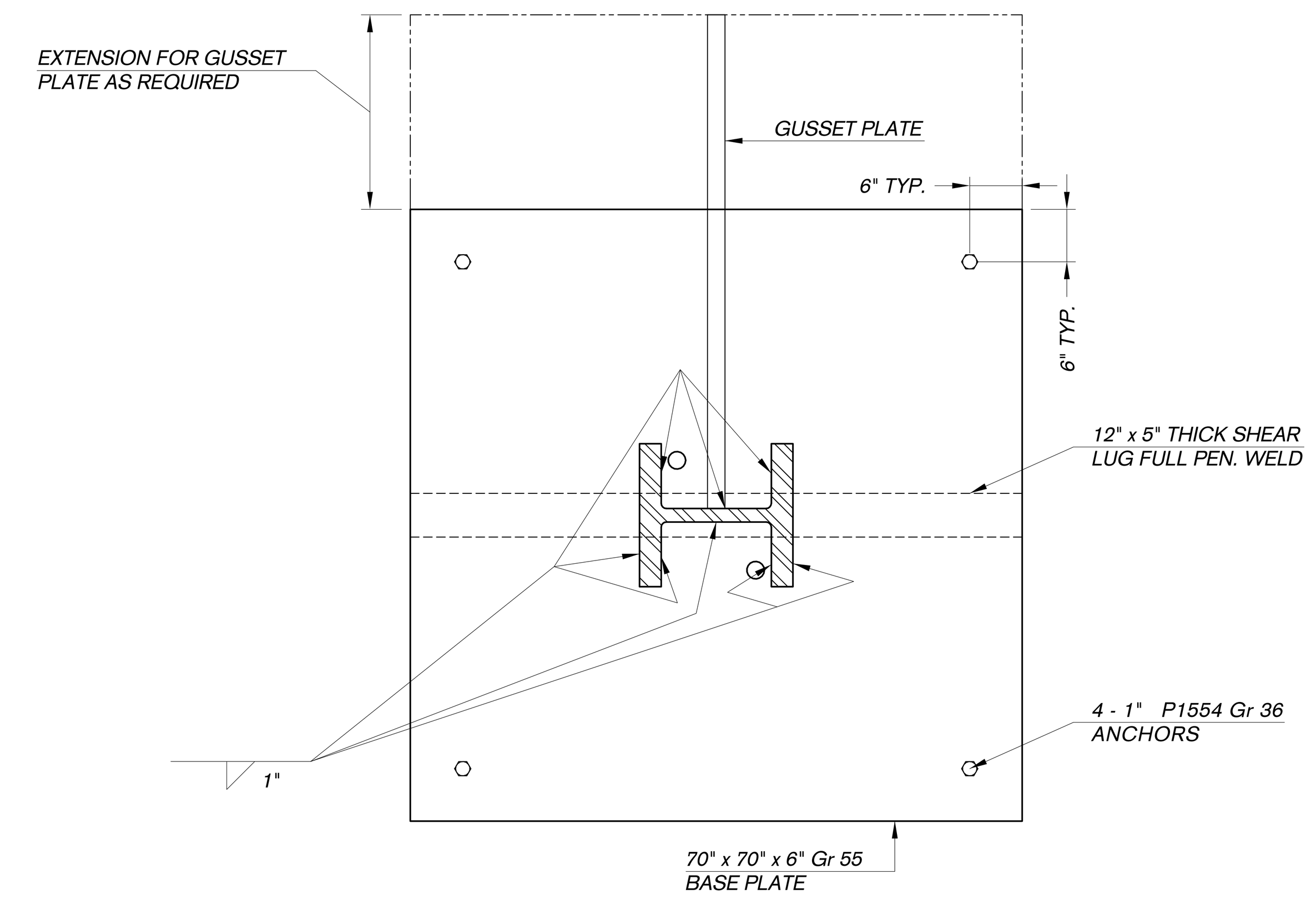


TYPICAL COLUMN BASE DETAILS

AT RECTANGULAR HSS COLUMNS

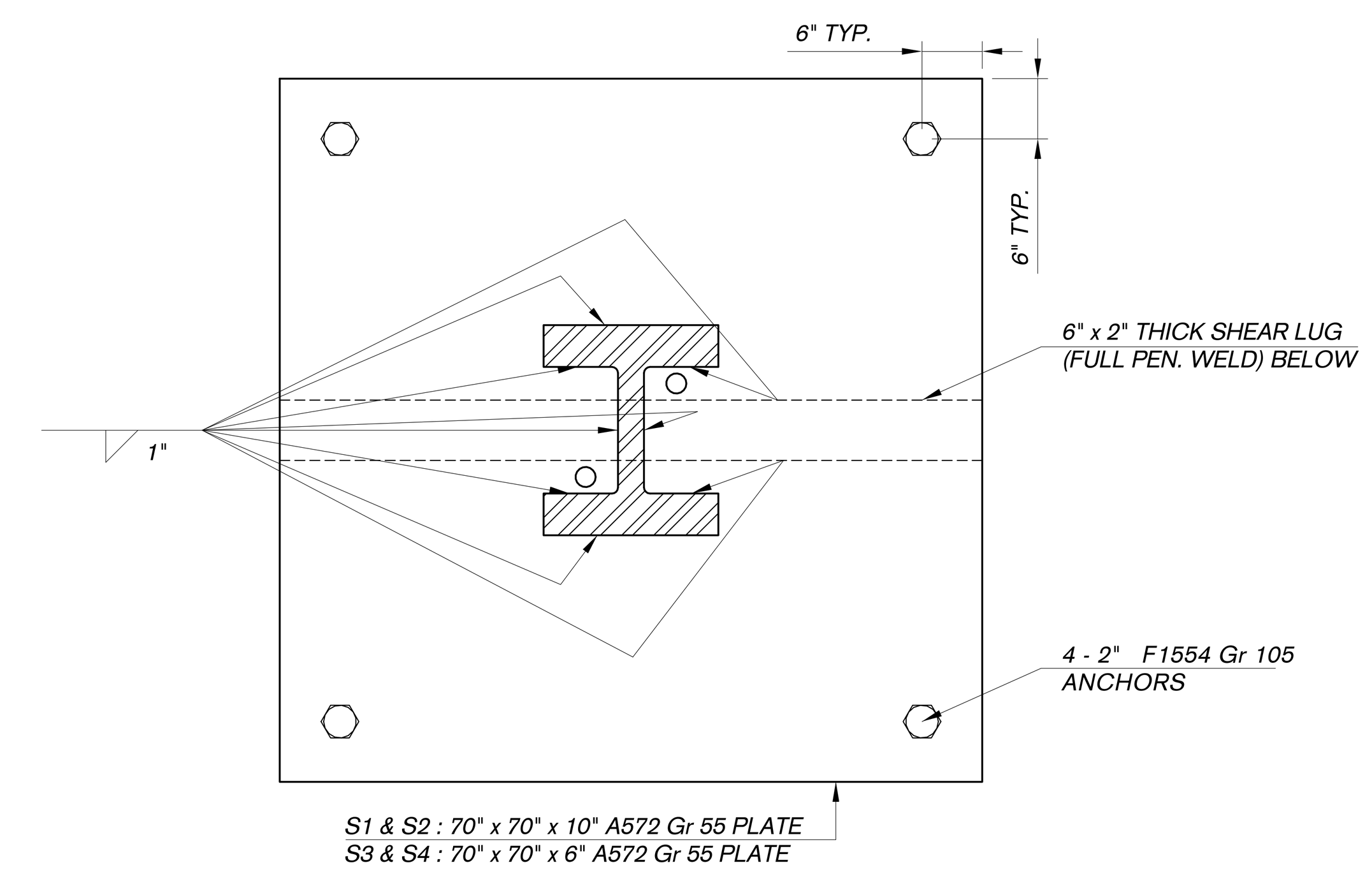
ANCHOR BOLT AND BASE PLATE NOTES:

1. USE ANCHOR BOLT SLEEVES AS AN IN PLACE FORM TO PROVIDE POCKET AROUND ANCHOR BOLTS.
2. SLEEVE SIZE TO BE AS PER ANCHOR BOLT SLEEVE MANUFACTURER BASED ON THE ANCHOR BOLT DIAMETER.
3. FOR COLUMNS SUBJECT TO UPLIFT, PROVIDE EMBEDMENT EXCLUDING THE SLEEVE LENGTH.
4. ALL COLUMN BASE PLATES SHALL BE ASTM A572 GR. 50 STEEL UNLESS OTHERWISE NOTED.
5. GR. 50 INDICATES ASTM A572 GR. 50 STEEL
6. GR. 42 INDICATES ASTM A572 GR. 42 STEEL
7. GR. 36 INDICATES ASTM A36 STEEL
8. SHEAR LUG SHALL BE A572 GR. 50 STEEL.
9. COLUMNS BASES WITH TENSION ARE NOTED ON THE COLUMN SCHEDULE WITH A NEGATIVE LOAD TO BASE PLATE.



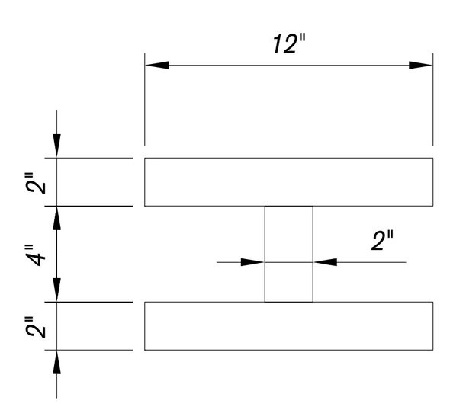
COL 950 & 951 BASE PLATE DETAIL

3/4" = 1'-0"



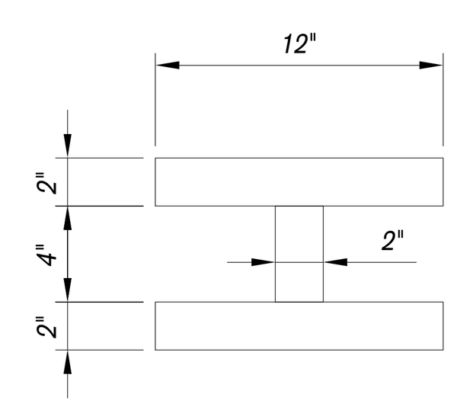
S1, S2, S3, S4 COL BASE PLATE

3/4" = 1'-0"



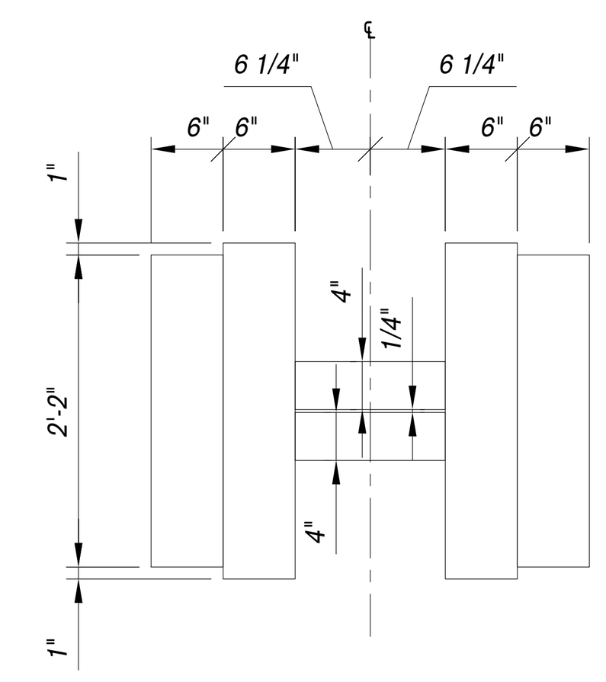
COLUMN 19

1 1/2" = 1'-0"



COLUMN 26

1 1/2" = 1'-0"



COLUMN S1

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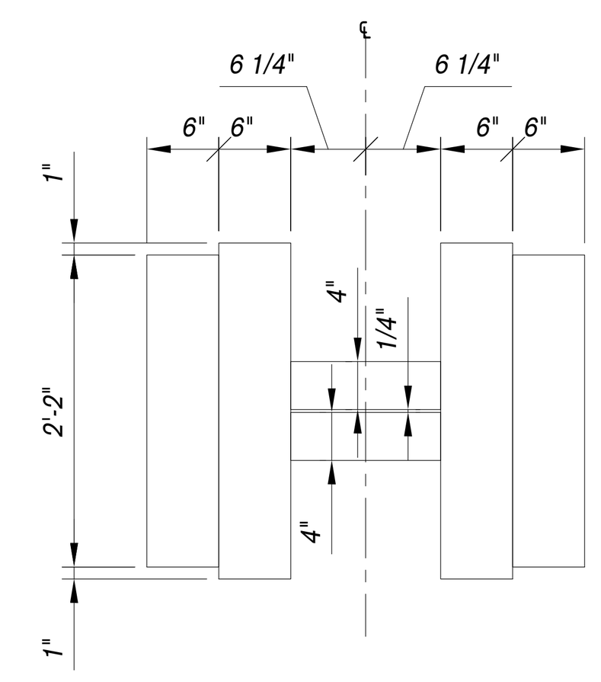

COLUMN S2

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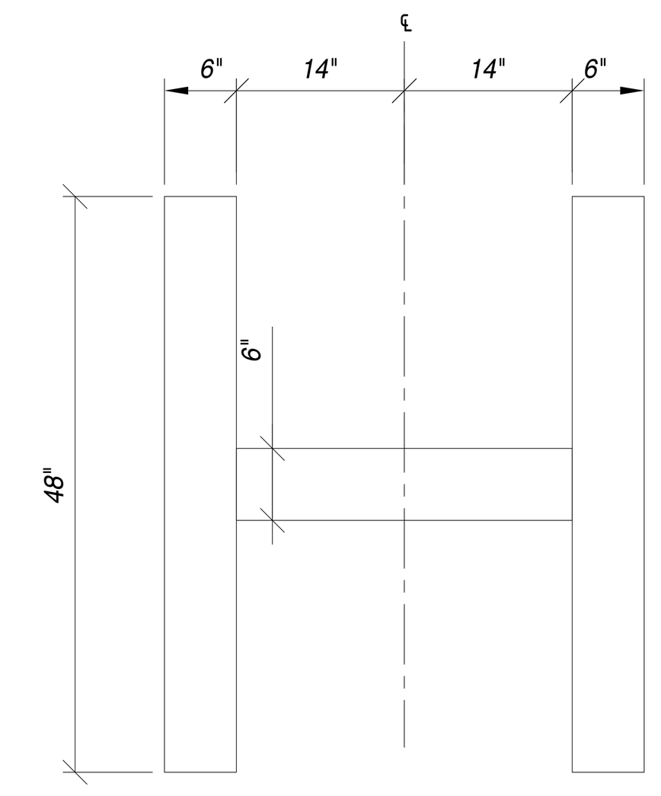
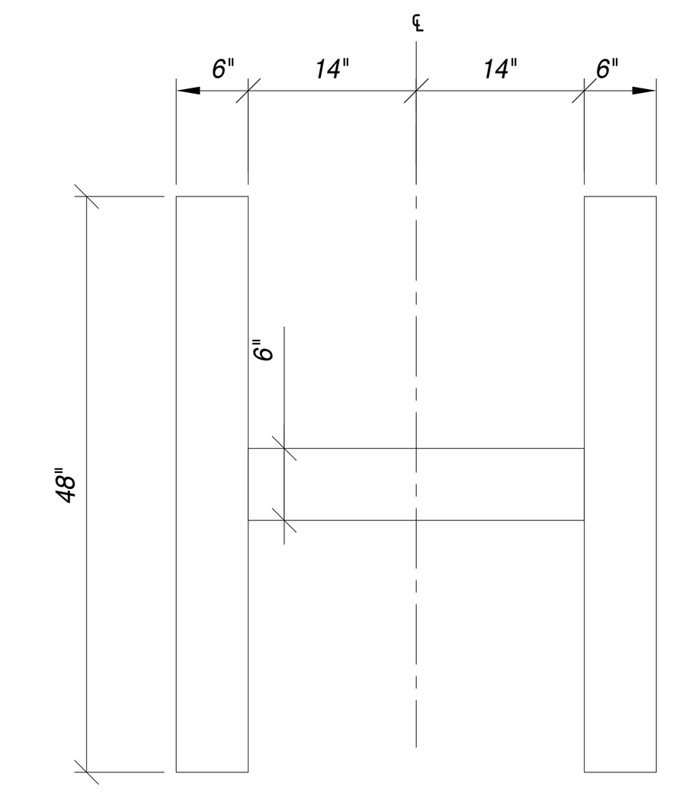


COLUMN S3

3/4" = 1'-0"

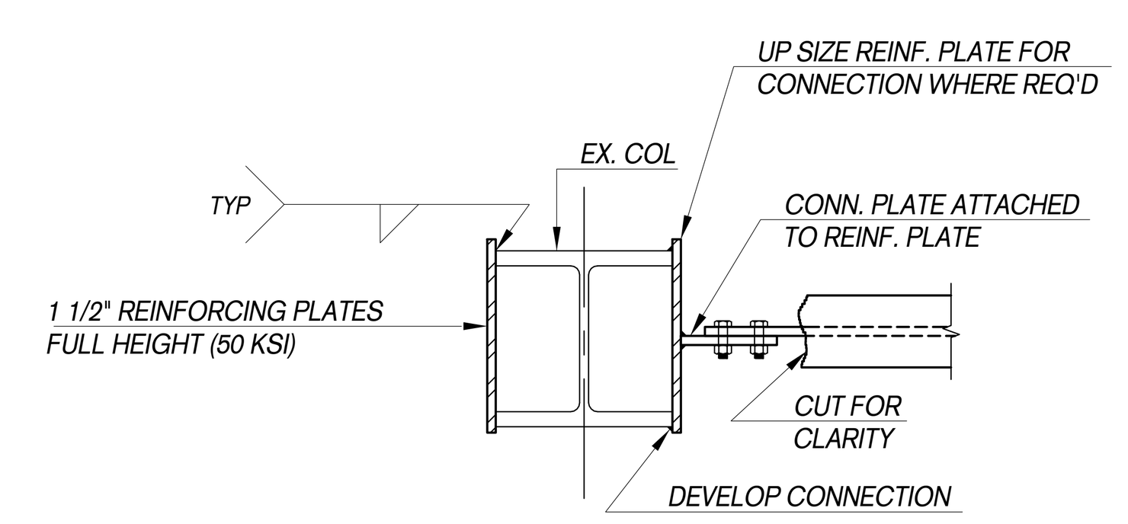


COLUMN S4

3/4" = 1'-0"

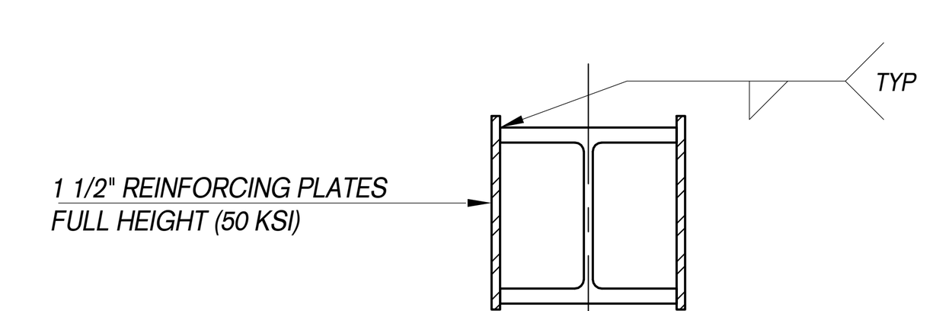
NOTES:

1. * INDICATES COLUMN TO BE REINFORCED WITH PLATES. SEE DETAIL ON S-506.
2. ALL REINFORCING PLATES SHALL MATCH THE COLUMN SECTION STEEL YIELD STRENGTH AND RUPTURE STRENGTH.
3. FOR TYPICAL STEEL COLUMN SPLICE AND BASE PLATE DETAILS SEE DRAWINGS S-712. BALANCE OF STEEL COLUMN DETAILS ON S-714.
4. REFER TO S-451 AND S-452 FOR BRACED FRAME ELEVATIONS.
5. LOADS IN THE COLUMN SCHEDULE, EXCEPT LOADS TO SUPPORT, ARE ULTIMATE LOADS (LRFD); LOADS TO SUPPORT ARE SERVICE LOADS (ASD).
6. FIRST DIMENSION GIVEN FOR CONCRETE COLUMNS IS IN THE EAST-WEST DIRECTION.
7. COMPRESSIVE STRENGTH OF NEW CONCRETE COLUMNS ARE
   f'c = 12,000psi 16TH THRU 27TH FLOOR
   f'c = 10,000psi 27TH THRU 37TH FLOOR
   f'c = 8,000psi 37TH THRU ROOF
8. FOR GENERAL NOTES SEE DRAWINGS S-721 & S-722.



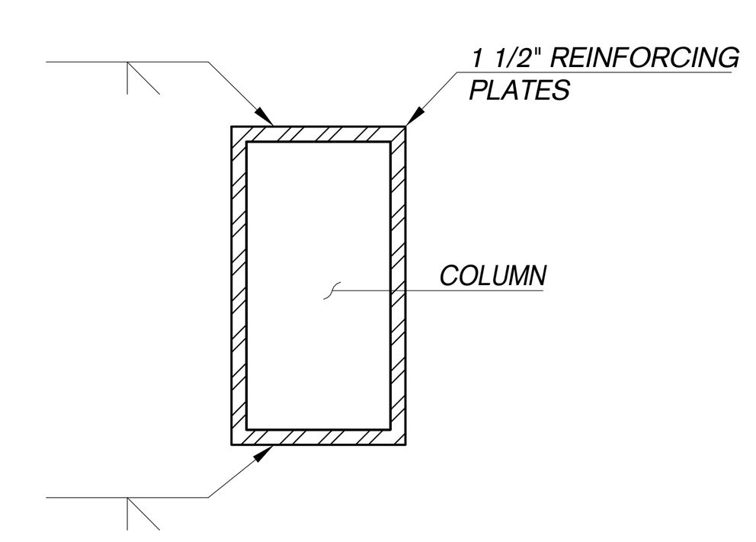
TYPICAL DETAIL OF REINFORCING FOR COLUMNS WITH PLATES AT CONNECTION LOCATIONS

TYPICAL REINFORCING



TYPICAL DETAIL OF REINFORCING FOR STEEL COLUMNS WITH PLATES

TYPICAL REINFORCING



TYPICAL DETAIL OF REINFORCING FOR CONCRETE COLUMNS BY JACKETING WITH PLATES

TYPICAL REINFORCING

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

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Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
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Theatre Projects Consultants | Theater Consultant
47 Water Street
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114-A Washington Street
Norwalk, CT 06854
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Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

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21 Penn Plaza
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212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
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212.209.1536

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New York, NY 10036

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COLUMN SCHEDULE NOTES AND DETAILS

Project Number: 13649
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Scale: As indicated
Signature & Seal:

Sheet Number:
S-508.00

NYC DOB Number:
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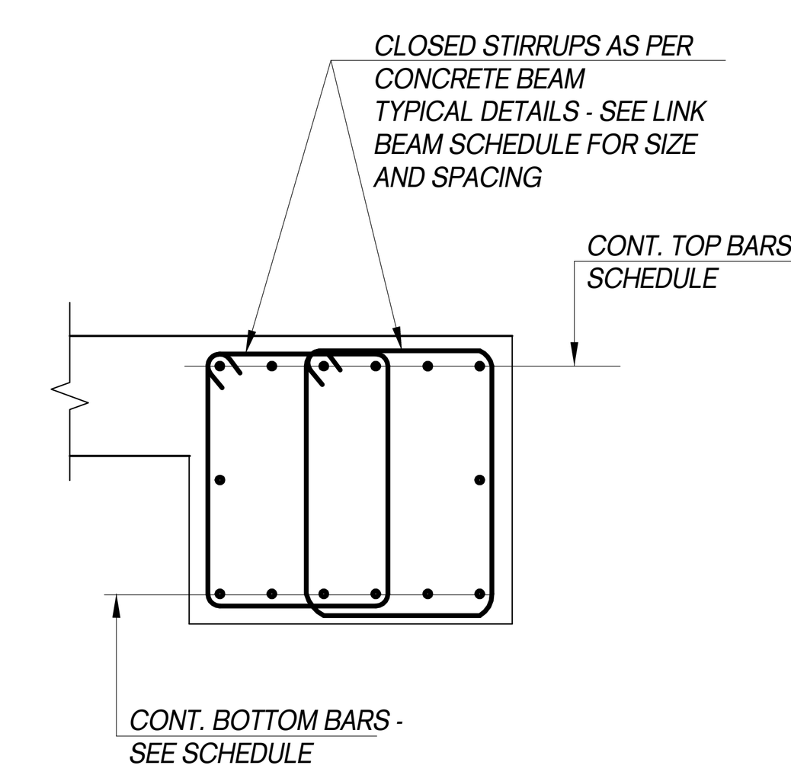
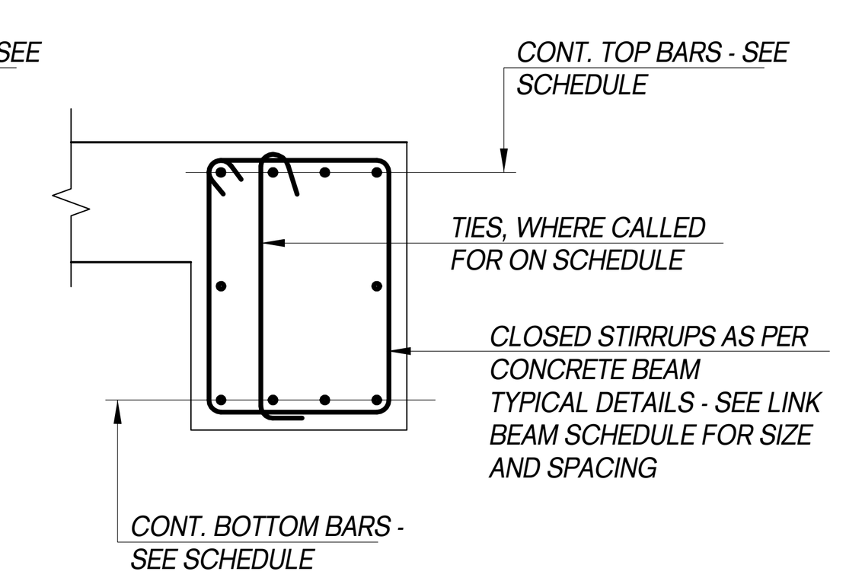
CONCRETE BEAM SCHEDULE

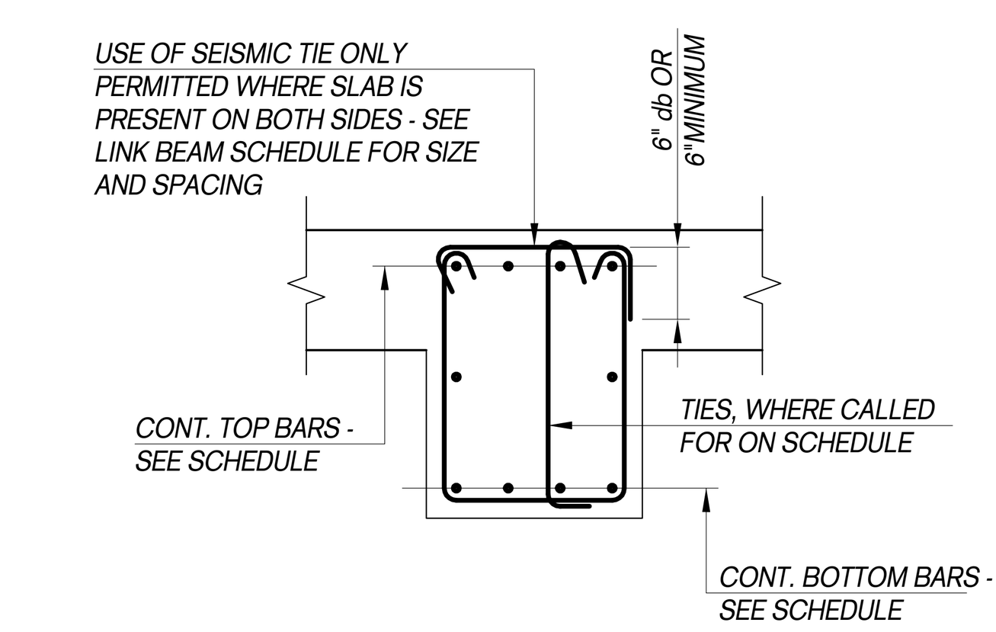
MARK	BEAM SIZE		LONGITUDINAL REINFORCEMENT		SHEAR REINFORCEMENT			REMARKS
	WIDTH	DEPTH	BOTTOM BARS	TOP BARS CONT.	SIZE	TYPE	SPACING EACH END	
LB	24	24	12 - #8* (2 LAYERS)	12 - #8* (2 LAYERS)	#4		10"	
3LB1A	12	60	2 - #6 (1 LAYER)	2 - #6 (1 LAYER)	#5		12"	3RD FL
3LB1B	12	108	2 - #6 (1 LAYER)	2 - #6 (1 LAYER)	#5		12"	4TH & 5TH FL
3LB1C	12	100	2 - #6 (1 LAYER)	2 - #6 (1 LAYER)	#5		12"	6TH FL
3LB2A	12	110	2 - #6 (1 LAYER)	2 - #6 (1 LAYER)	#4		12"	10TH FL
3LB2B	12	130	2 - #6 (1 LAYER)	2 - #6 (1 LAYER)	#4		12"	11TH & 12TH FL
RB1	30	36	16 - #9 (2 LAYERS)	16 - #9 (2 LAYERS)	#5		5"	f'c = 10,000 psi
RB2	30	48	16 - #10 (2 LAYERS)	16 - #10 (2 LAYERS)	#6		6"	f'c = 10,000 psi
RB3	30	60	16 - #10 (2 LAYERS)	16 - #10 (2 LAYERS)	#5		5"	f'c = 10,000 psi
RB4	30	84	28 - #10 (4 LAYERS)	28 - #10 (4 LAYERS)	#5		5"	f'c = 10,000 psi
10TB1	12	44	8 - #10 (4 LAYERS)	8 - #10 (4 LAYERS)	#4		10"	10TH FL
43TB1	14	30	6 - #6 (2 LAYERS)	6 - #6 (2 LAYERS)	#4		12"	f'c = 6,000 psi



TPICAL LINK BEAM SECTION WITH MULTIPLE CLOSED TIES



TPICAL LINK BEAM SECTION AT SLAB EDGE



TPICAL LINK BEAM SECTION WHERE SLAB OCCURS BOTH SIDES

TYPICAL LINK BEAM SECTIONS (A / S376)
NTS

NOTE
- REFER TO LINK BEAM SCHEDULE, CONCRETE SHEAR WALL TYPICAL DETAILS AND CONCRETE BEAM TYPICAL DETAILS FOR OTHER REINFORCEMENT REQUIRED.

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

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Project:
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BEAM SCHEDULE AND DETAILS

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APPROVED Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: 3/4" = 1'-0"
Signature & Seal:
STATE OF NEW YORK · RAWSIE JIJINA · 050340 · LICENSED PROFESSIONAL ENGINEER

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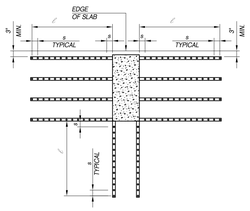

DETAIL A S410
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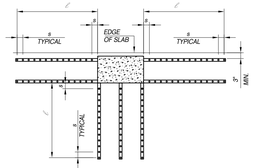

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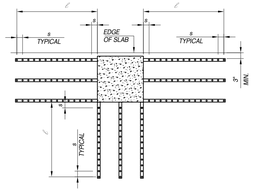

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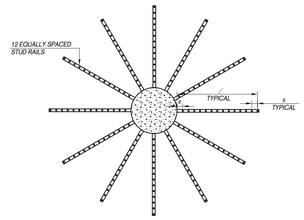

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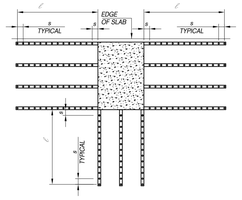

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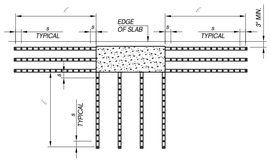

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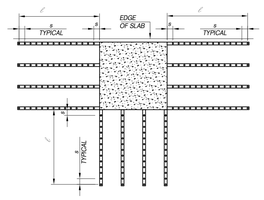

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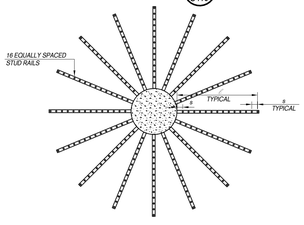

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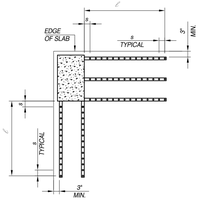

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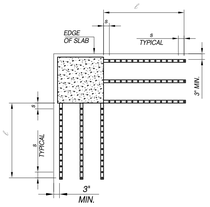
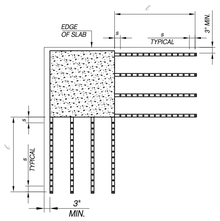


DETAIL H S410
1/2" = 1'-0"



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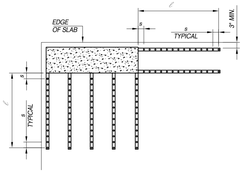
1/2" = 1'-0"



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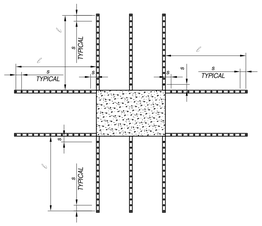
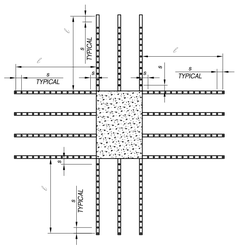
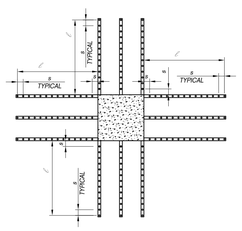


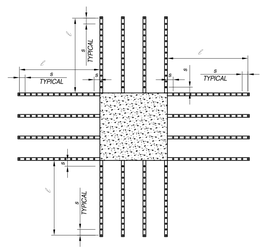
DETAIL K S410
1/2" = 1'-0"



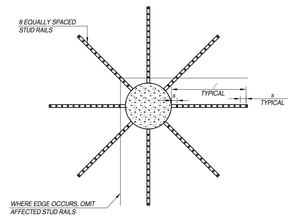
DETAIL L S410
1/2" = 1'-0"



DETAIL M S410
1/2" = 1'-0"



DETAIL N S410
1/2" = 1'-0"



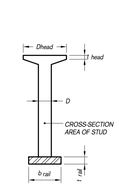
DETAIL O S410
1/2" = 1'-0"

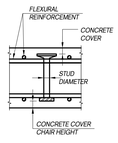
PUNCHING SHEAR REINFORCEMENT

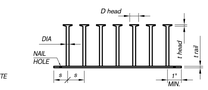
3/8" = 1'-0"

PUNCHING SHEAR REINFORCEMENT SCHEDULE

COLUMN	FLOOR	DETAIL	DIAMETER	s	∠	REMARKS
903	17	H	1/2"	3"	36°	
904	17	P	1/2"	3"	36°	
903	18-42	H	1/2"	3"	36°	
904	18-42	P	1/2"	3"	36°	
903	43	H	1/2"	3"	36°	
904	43	P	1/2"	3"	36°	
903	44-45	H	1/2"	3"	36°	
903	46 (MEP)	H	1/2"	3"	45°	
908	46 (MEP)	L	1/2"	3"	36°	
913	46 (MEP)	L	1/2"	3"	36°	
915	46 (MEP)	A	1/2"	3"	51°	
916	46 (MEP)	L	1/2"	3"	36°	
917	46 (MEP)	L	1/2"	3"	36°	
921	46 (MEP)	L	1/2"	3"	36°	
923	46 (MEP)	A	1/2"	3"	51°	
924	46 (MEP)	L	1/2"	3"	36°	
925	46 (MEP)	L	1/2"	3"	36°	
931	46 (MEP)	O	1/2"	3"	81°	
932	46 (MEP)	O	1/2"	3"	81°	
933	46 (MEP)	O	1/2"	3"	81°	
934	46 (MEP)	O	1/2"	3"	81°	
935	46 (MEP)	O	1/2"	3"	81°	
936	46 (MEP)	O	1/2"	3"	81°	
903	ROOF	H	1/2"	3"	21°	
916	ROOF	L	1/2"	3"	36°	
924	ROOF	L	1/2"	3"	36°	







D in (mm)	X-SECT. AREA in² (mm²)	D head in (mm)	t head in (mm)	b rail in (mm)	t rail in (mm)
3/8 (9.5)	0.110 (71)	1.19 (30.1)	0.21 (5.3)	1 (25.4)	3/16 (4.8)
1/2 (12.7)	0.196 (127)	1.58 (40.2)	0.28 (7.1)	1 1/4 (31.8)	1/4 (6.5)

TYPICAL STUD RAIL DETAILS

NOTES:

1. SEE FRAMING PLANS FOR SPECIFIC COLUMN ORIENTATION, SLAB EDGES AND SLAB OPENINGS.
2. SHOULD ADDITIONAL SLAB OPENINGS BE REQUIRED IN PROXIMITY TO A COLUMN WITH PUNCHING SHEAR REINFORCEMENT (NOT SHOWN ON PLAN), REARRANGEMENT OF STUD RAILS OR REMEDIAL MEASURES SHALL BE APPLIED AS REQUIRED BY THE SPECIAL INSPECTOR OR ENGINEER OF RECORD.
3. MAXIMUM DISTANCE IN BETWEEN RAILS SHALL BE 12".
4. MINIMUM DISTANCE FROM RAIL TO SLAB EDGE SHALL BE 4".
5. HEIGHT OF THE STUD IS DETERMINED BY THE SLAB THICKNESS AND THE REQUIRED CONCRETE COVER.
6. YIELD STRENGTH OF THE STUDS SHALL BE 51 KSI.

Roxane Tsirigotis, RA
APPROVED
Under Directive 14 of 1975
Date: 04/25/2016
NYC Development Hub

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
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973.776.4404 | iroselevator.com

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55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0805 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
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212.209.1536

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11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
PUNCHING SHEAR REINFORCING

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: 3/8" = 1'-0"

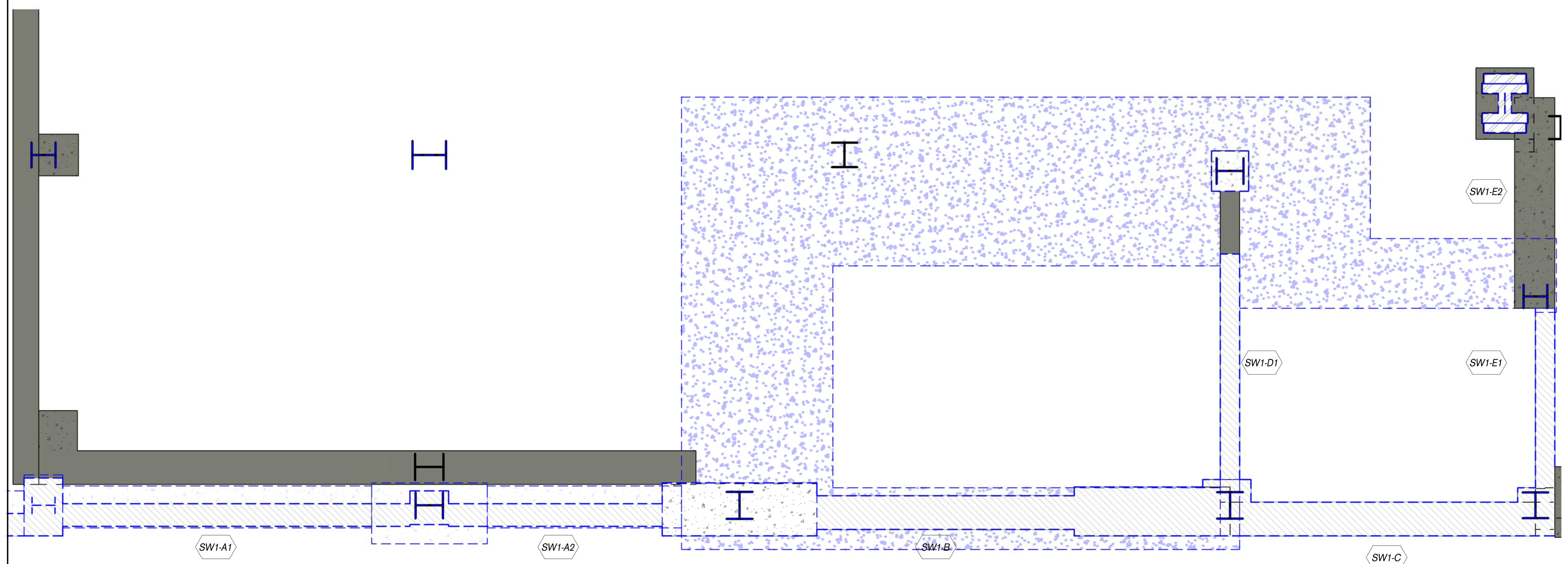
Signature & Seal:
STATE OF NEW YORK · JAMES B. JABLONSKI · 090340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number:
S-521.00

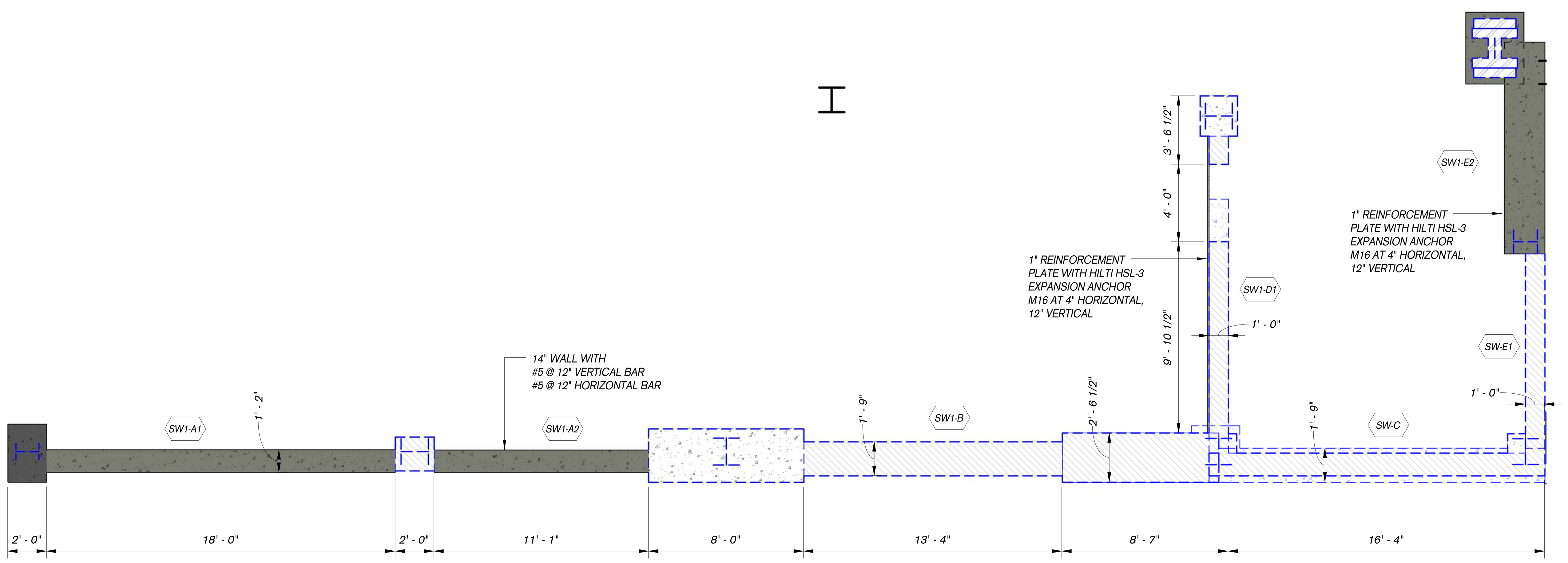
NYC DOB Number:

Sheet: of

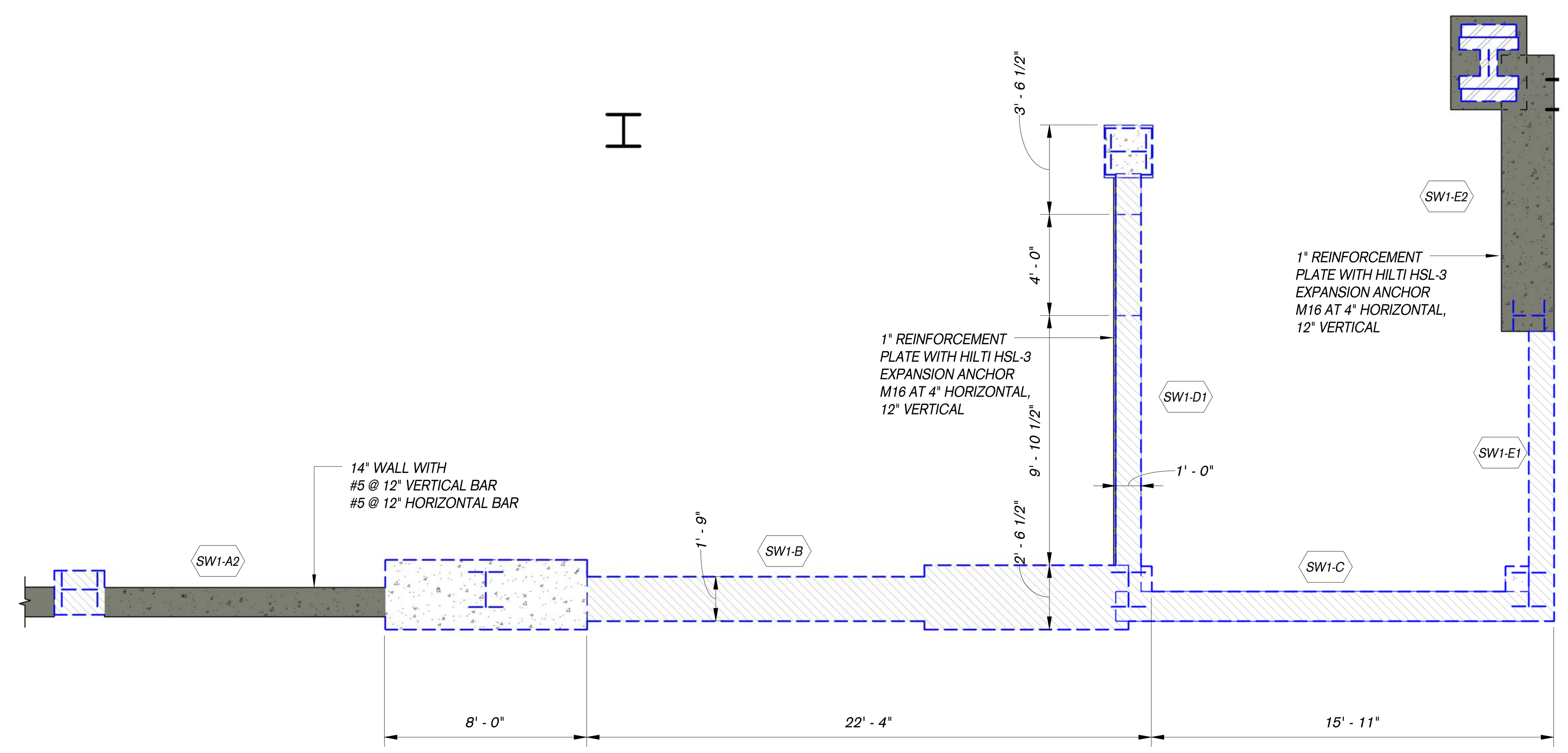
12/29/2016 1:05:06 AM



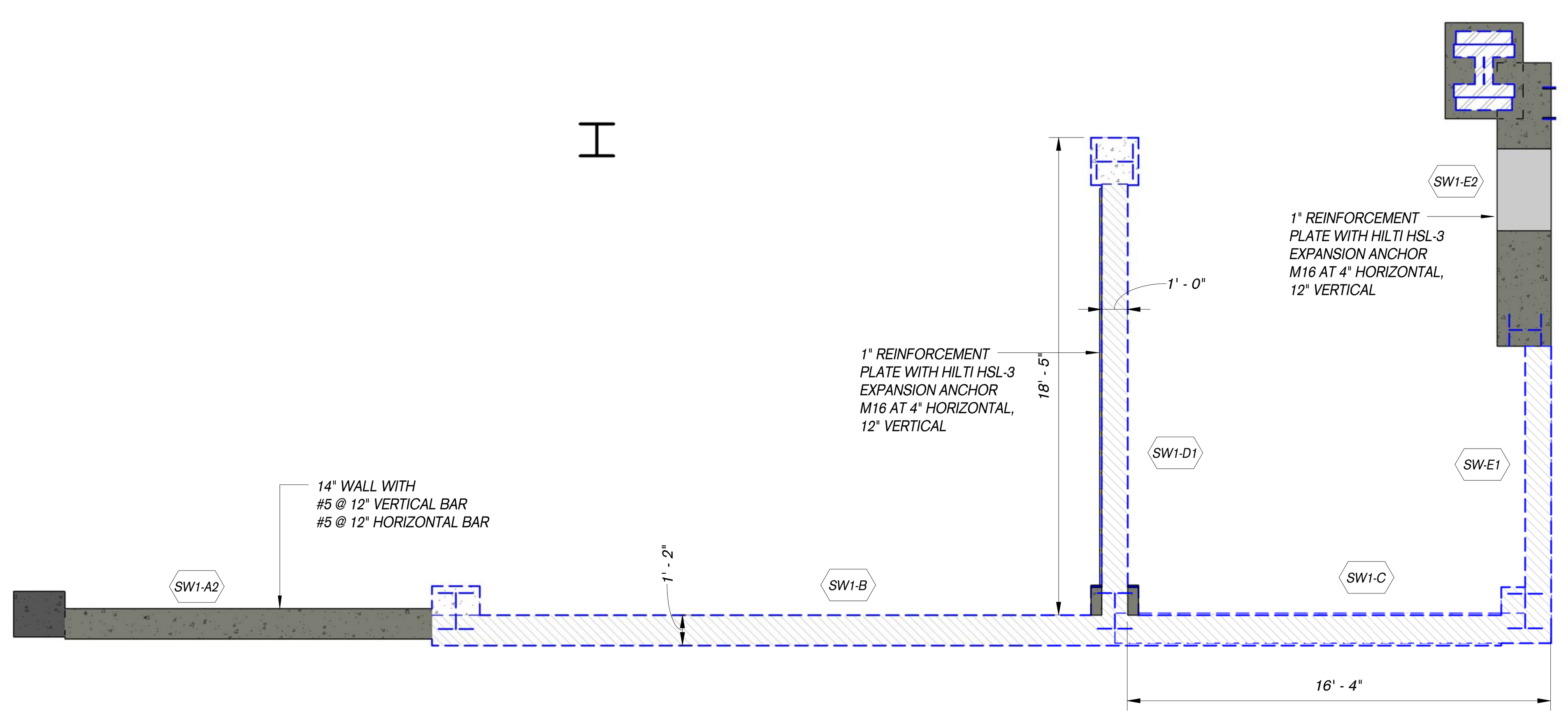
SM1 - SUBCELLAR TO GROUND FLOOR
1/4" = 1'-0"
2
S-601



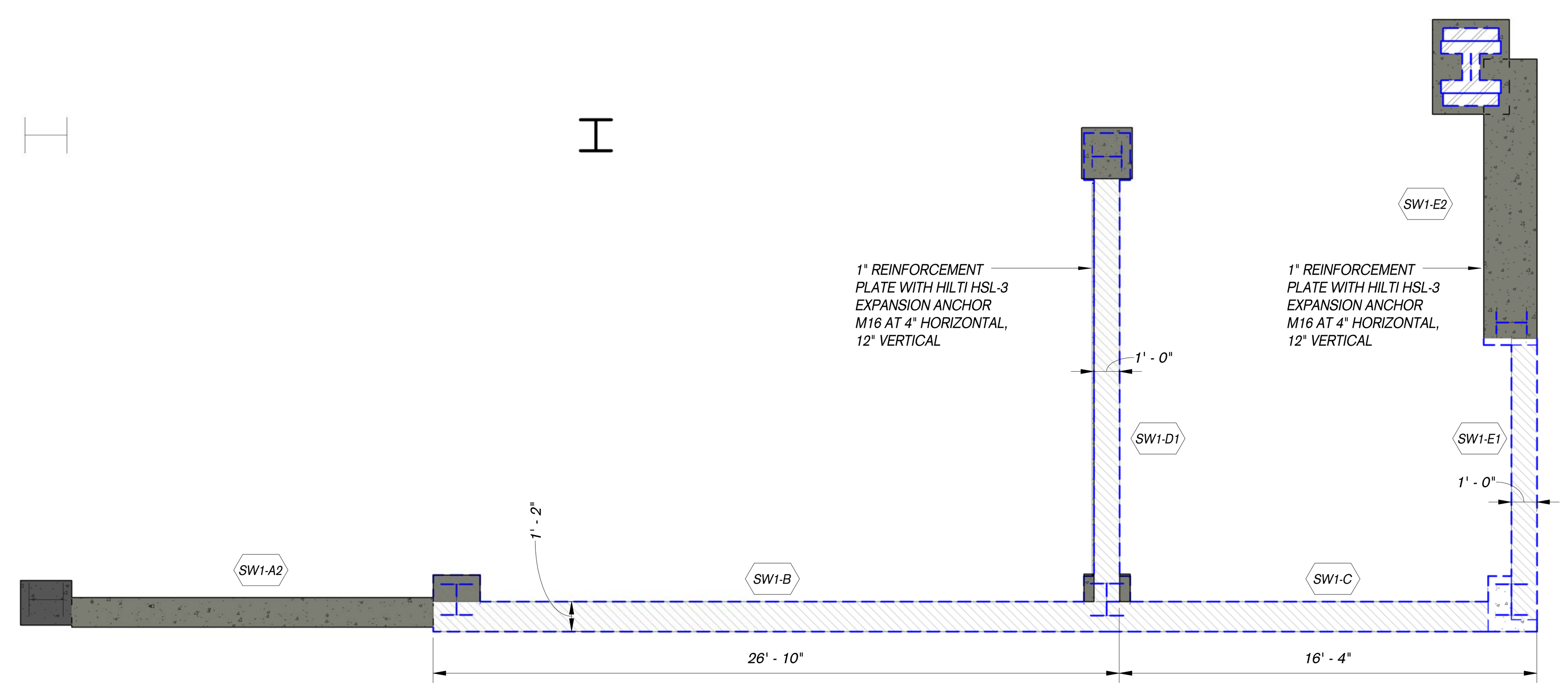
SW1 - GROUND TO SECOND FLOOR
1/4" = 1'-0"
3
S-601



SW1 - SECOND FLOOR TO FOURTH FLOOR
1/4" = 1'-0"
4
S-601



SW1 - FOURTH FLOOR TO SEVENTH FLOOR
1/4" = 1'-0"
5
S-601



SW1 - SEVENTH FLOOR TO NINTH FLOOR
1/4" = 1'-0"
6
S-601

Roxane Tsingotis, RA
NYC Development Hub

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

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212.479.5400 | langan.com

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40 West 27th Street, 12th Floor
New York, NY 10001
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Project:
1568 Broadway
New York, NY 10036

Sheet Title:
SHEAR WALL PLANS

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: 1/4" = 1'-0"
Sheet Number: S-601.00
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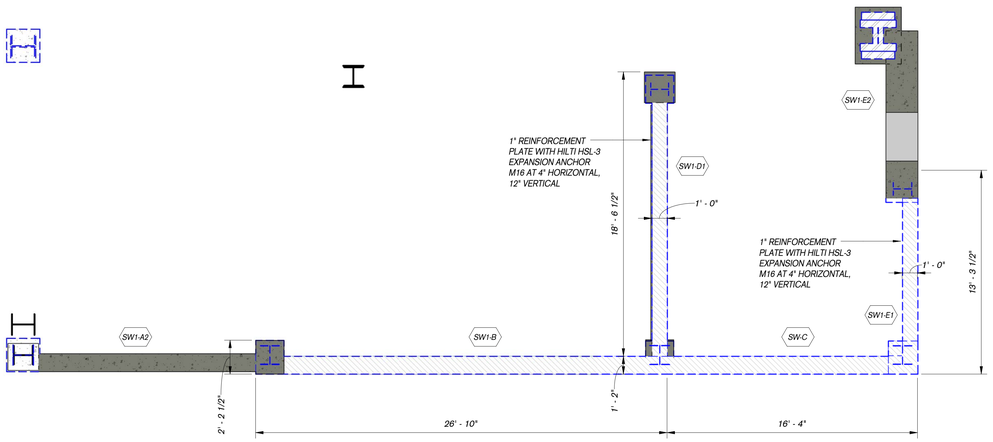
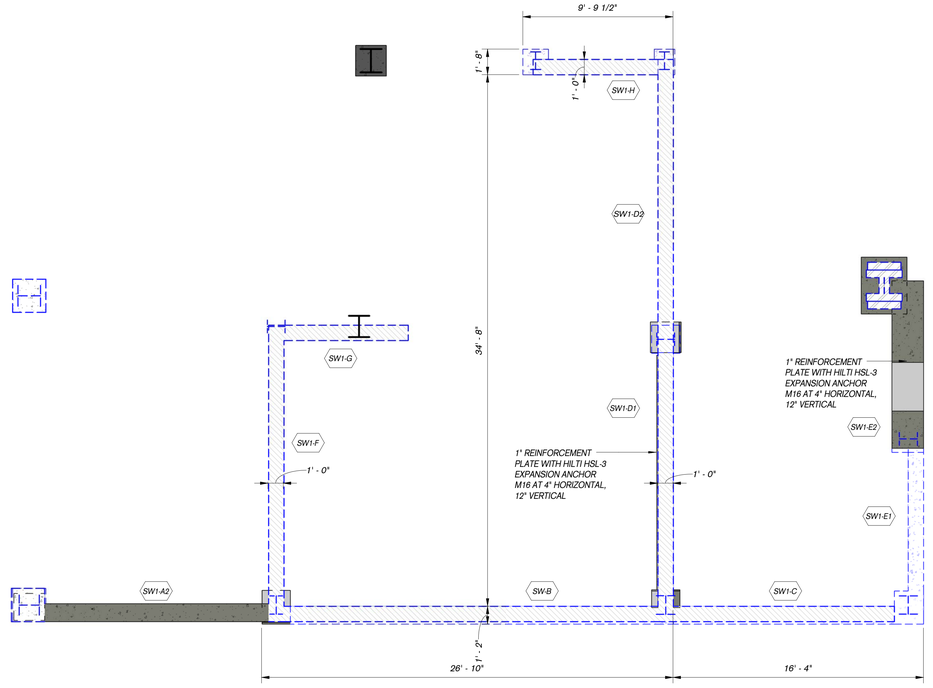
NYC DOB Number:
Sheet: of



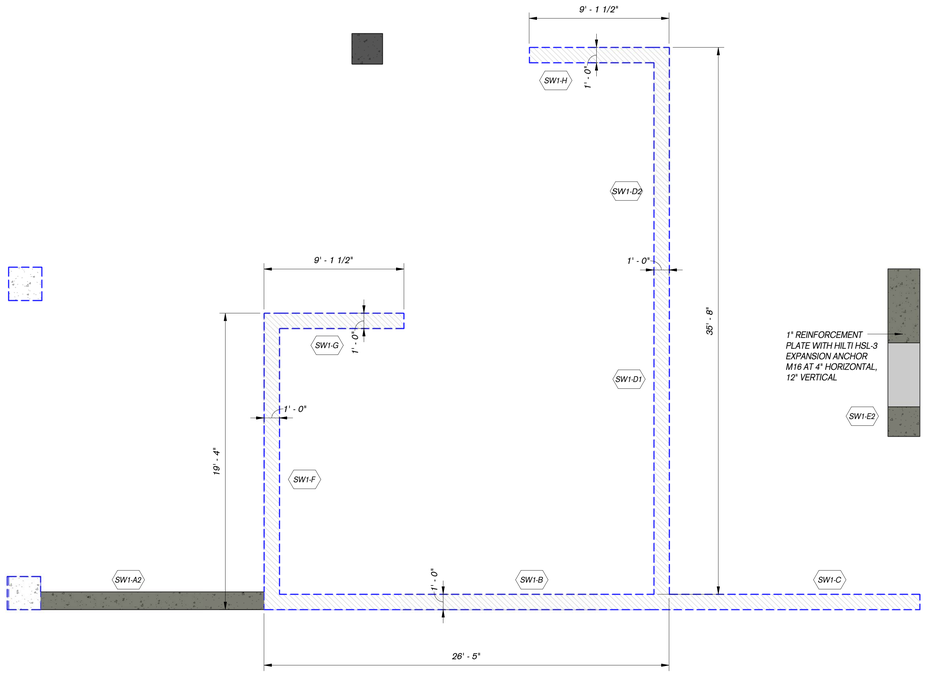
SW1 - NINTH FLOOR TO TENTH FLOOR
1/4" = 1'-0"

1
S-602



SW1 - TENTH FLOOR TO ELEVENTH FLOOR
1/4" = 1'-0"

2
S-602



SW1 - ELEVENTH FLOOR TO SIXTEENTH FLOOR
1/4" = 1'-0"

3
S-602

12/29/2016 11:26:39 AM

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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718.383.9340 | design2147.com

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973.776.4404 | iroselevator.com

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South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

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New York, NY 10011
212 691 3020 | fmsp.com

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114-A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
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Project:
1568 Broadway

New York, NY 10036

Sheet Title:
SHEAR WALL PLANS

Roxane Tsirigotis, RA
Building Code Consultant
APPROVED
Under Directive 14 of 1975
Date: 04/29/2016
NYC Development Hub

Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: 1/4" = 1'-0"

Signature & Seal:
STATE OF NEW YORK
ROXANE J. TSIRIGOTIS
040340
LICENSED PROFESSIONAL ENGINEER

Sheet Number:
S-602.00

NYC DOB Number:

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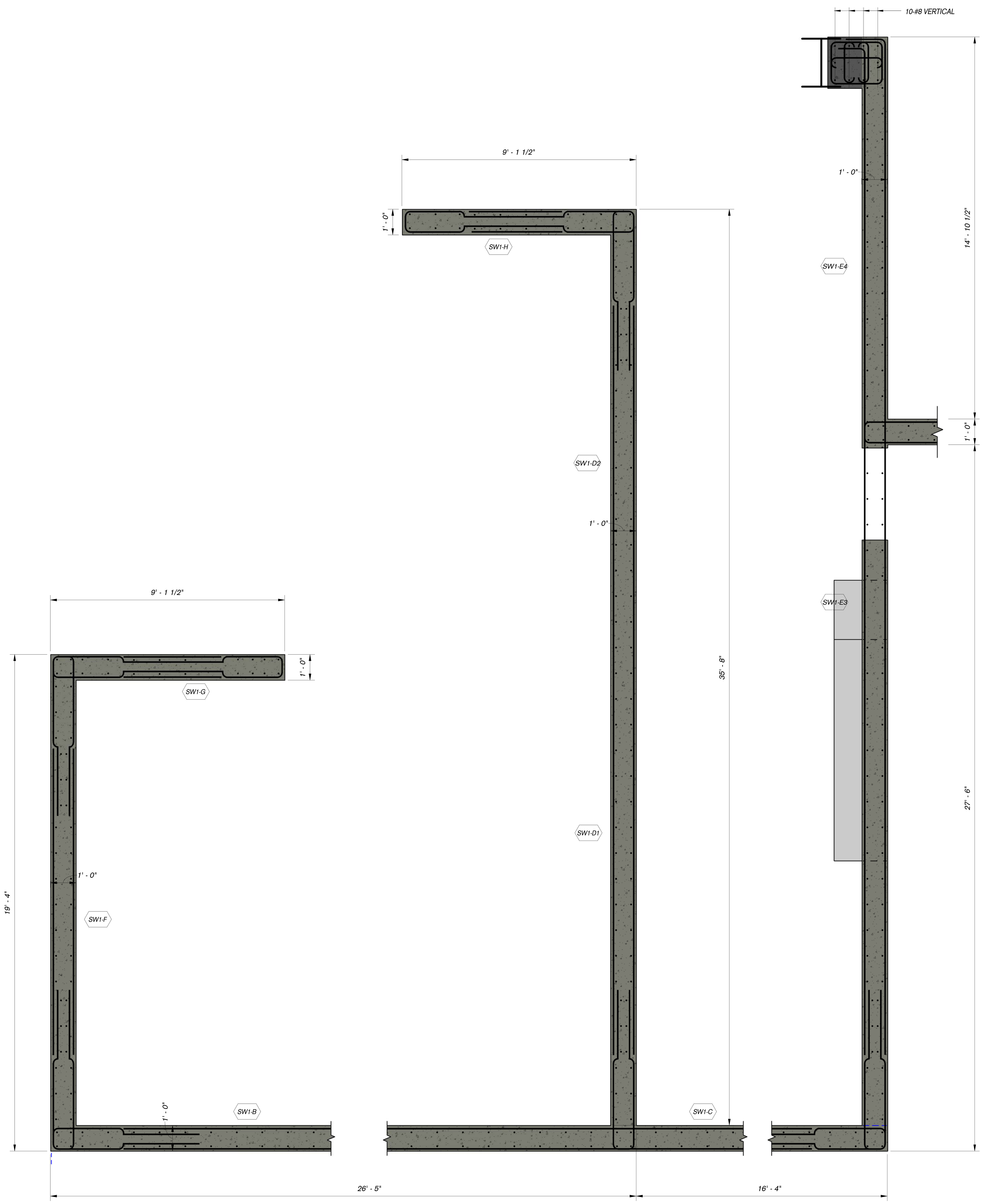
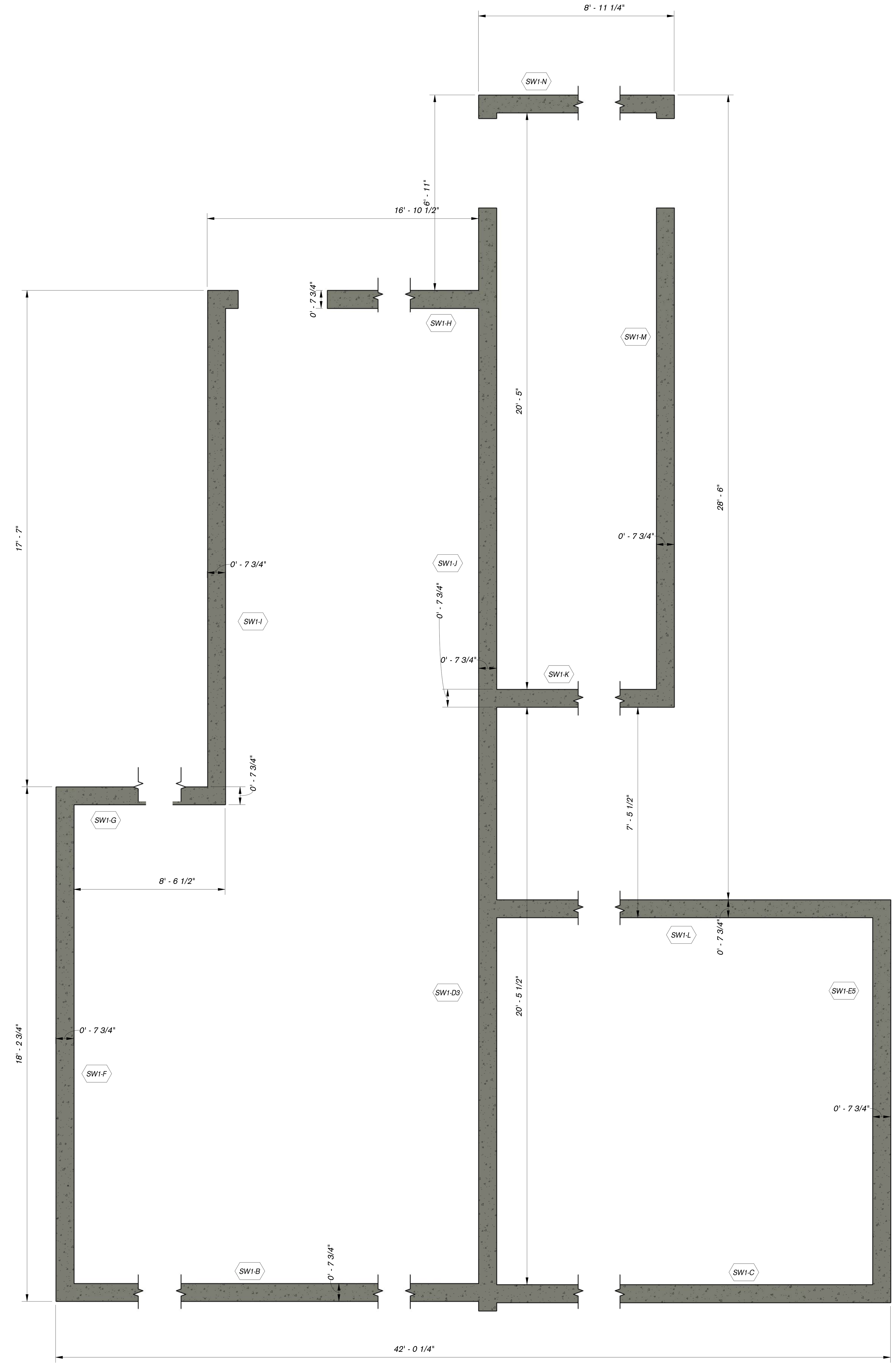


SW1 - SIXTEENTH FLOOR TO FORTY SEVENTH FLOOR MAIN ROOF (1 / S-603)

1/2" = 1'-0"

NOTE:

1. PROVIDE #5 @ 12" VERTICAL BAR TYPICAL.
2. 16TH - 17TH FLOOR #6 @ 6" HORIZONTAL BAR
   17TH - 18TH FLOOR #6 @ 10" HORIZONTAL BAR
   18TH - 22TH FLOOR #6 @ 12" HORIZONTAL BAR
   22TH - 25TH FLOOR #5 @ 12" HORIZONTAL BAR
   26TH FLOOR - ROOF #4 @ 12" HORIZONTAL BAR



SW1 - FORTY SEVENTH FLOOR MAIN ROOF TO FORTY EIGHT FLOOR T.O. SCREENING (2 / S-603)

1/2" = 1'-0"

Roxane Tsirigotis, RA

APPROVED

NYC Development Hub

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

Design 2147 Limited | Code Consultant
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718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
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Theatre Projects Consultants | Theater Consultant
47 Water Street
South Norwalk, Connecticut 068541
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New York, NY 10011
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Norwalk, CT 06854
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TORONTO, ON M4M 2M3
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360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

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04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

New York, NY 10036

Sheet Title:

SHEAR WALL PLANS

Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale: 1/2" = 1'-0"

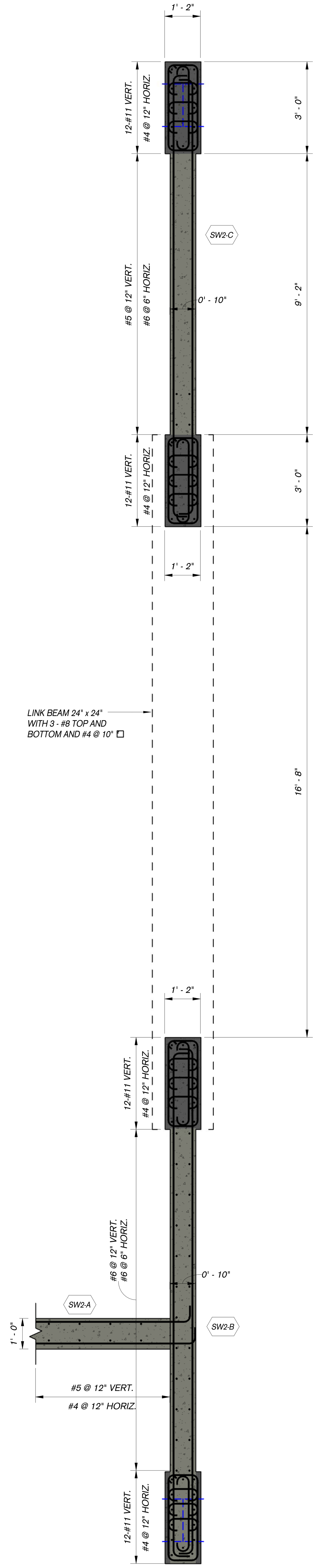
Signature & Seal:

Sheet Number: **S-603.00**

NYC DOB Number:

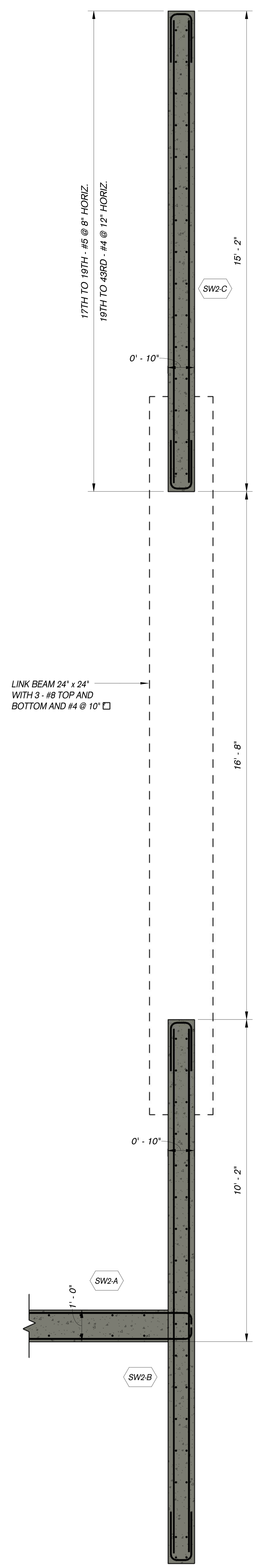
Sheet: of

12/29/2016 11:26:40 AM



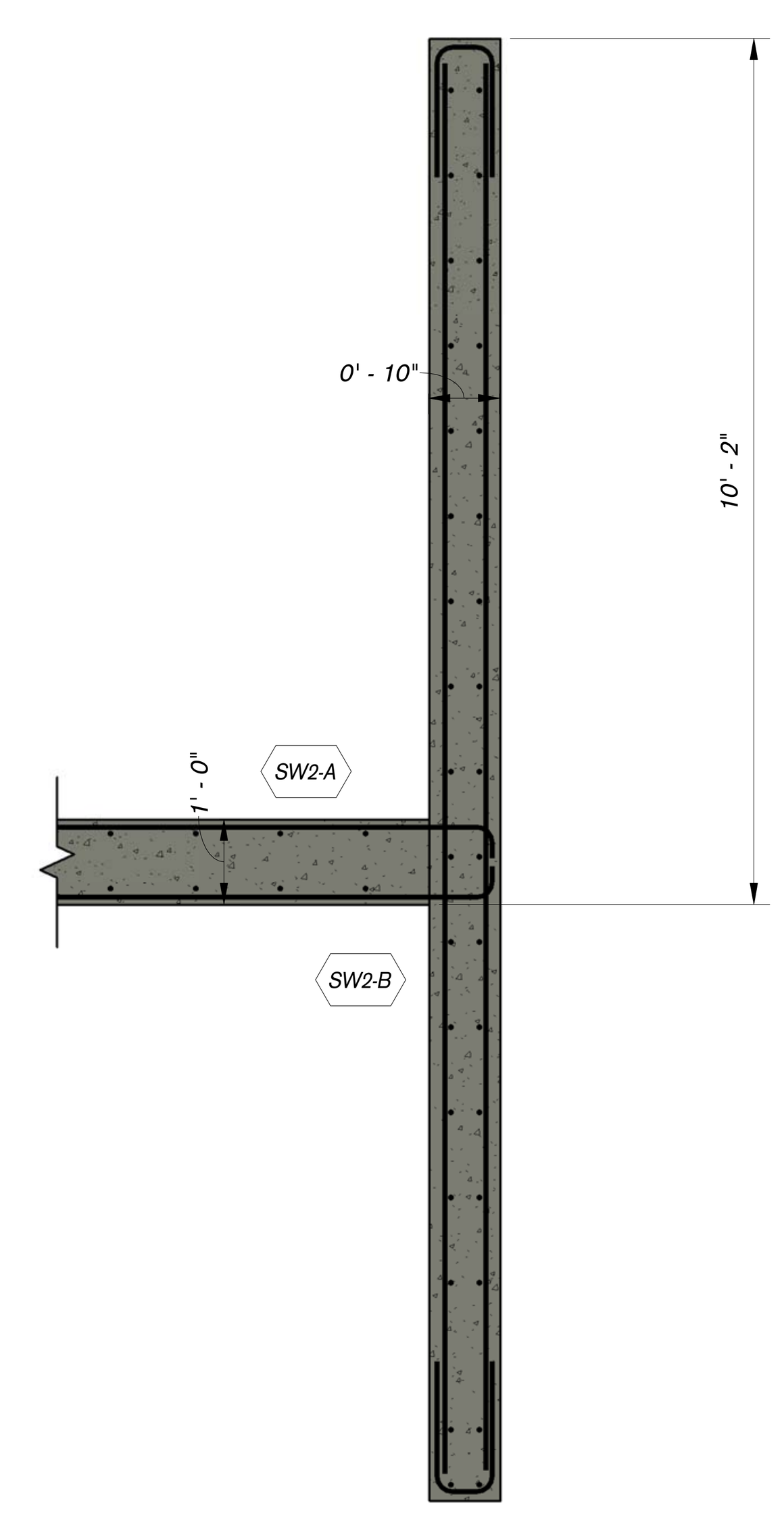
SW2 - SIXTEENTH FLOOR TO SEVENTEENTH FLOOR
1/2" = 1'-0"
1 S-604

NOTE: PROVIDE #5 @ 12" VERTICAL, #4 @ 12" HORIZONTAL U.N.O. ON PLAN.



SW2 - SEVENTEENTH FLOOR TO FORTY THIRD FLOOR
1/2" = 1'-0"
2 S-604

NOTE: PROVIDE #5 @ 12" VERTICAL, #4 @ 12" HORIZONTAL U.N.O. ON PLAN.



SW2 - FORTY THIRD FLOOR TO FORTY SEVENTH FLOOR
1/2" = 1'-0"
3 S-604

NOTE: PROVIDE #5 @ 12" VERTICAL, #4 @ 12" HORIZONTAL U.N.O. ON PLAN.

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

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14 Wall Street, 2nd Floor
New York City, New York 10005
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Project:
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Signature & Seal:

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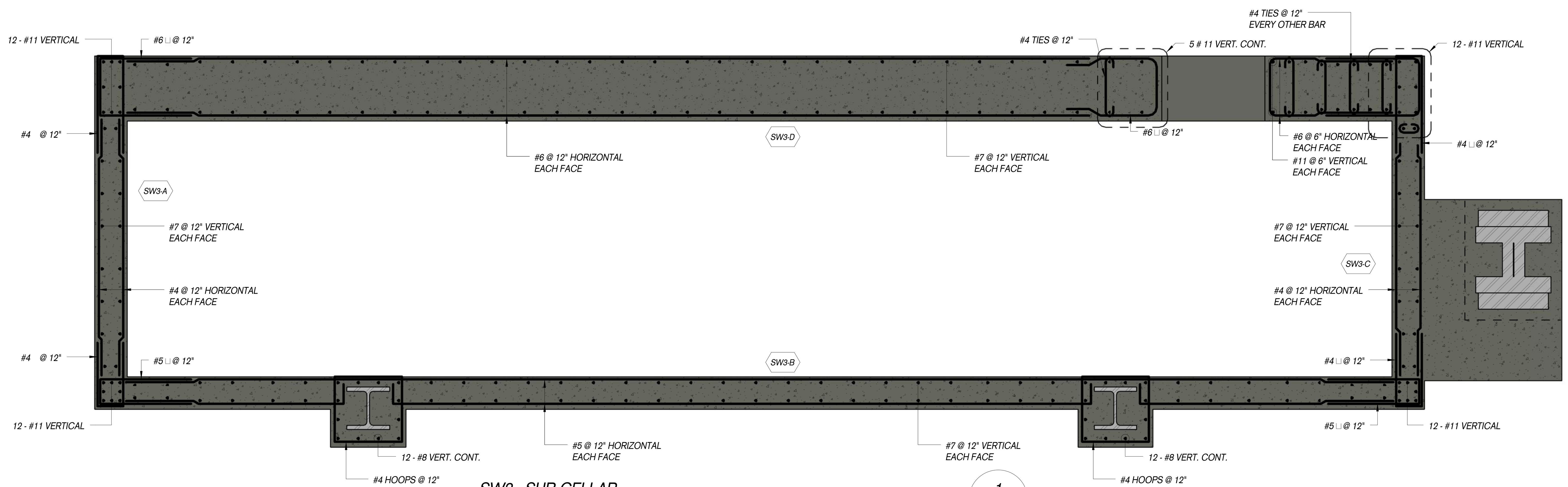
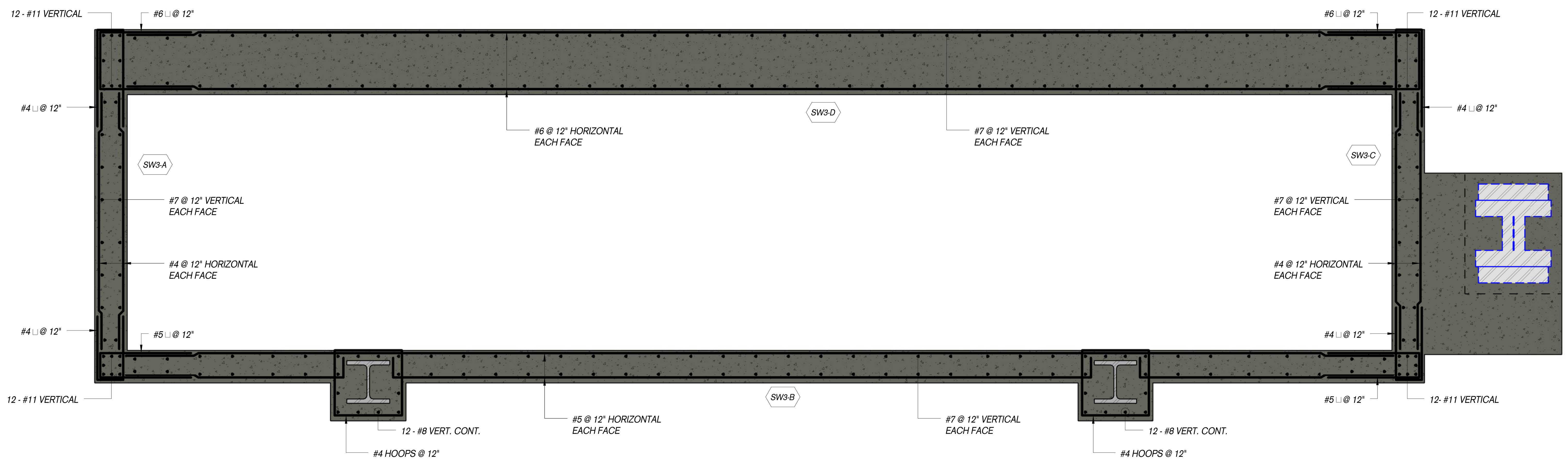
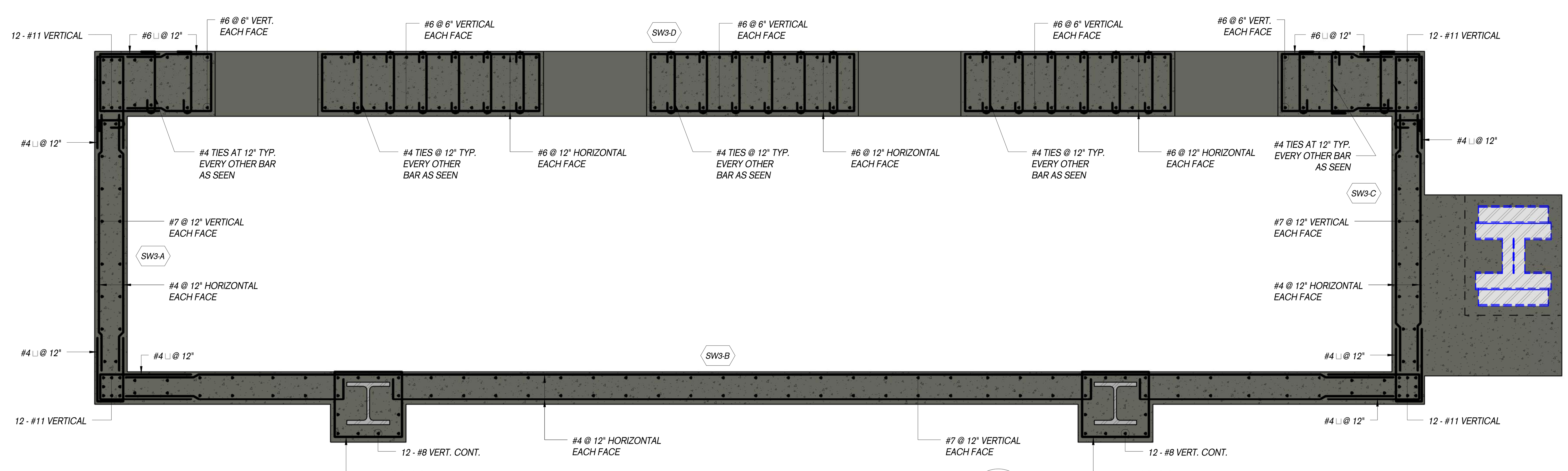


SW3 - SUB-CELLAR
1/2" = 1'-0"
1 S-605



SW3 - CELLAR
1/2" = 1'-0"
2 S-605



SW3 - FIRST FLOOR
1/2" = 1'-0"
3 S-605

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Platt Byard Dovell White Architects LLP
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Mancini Duffy | Architect of Record
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New York, NY 10001
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Severud Associates | Structural Engineer
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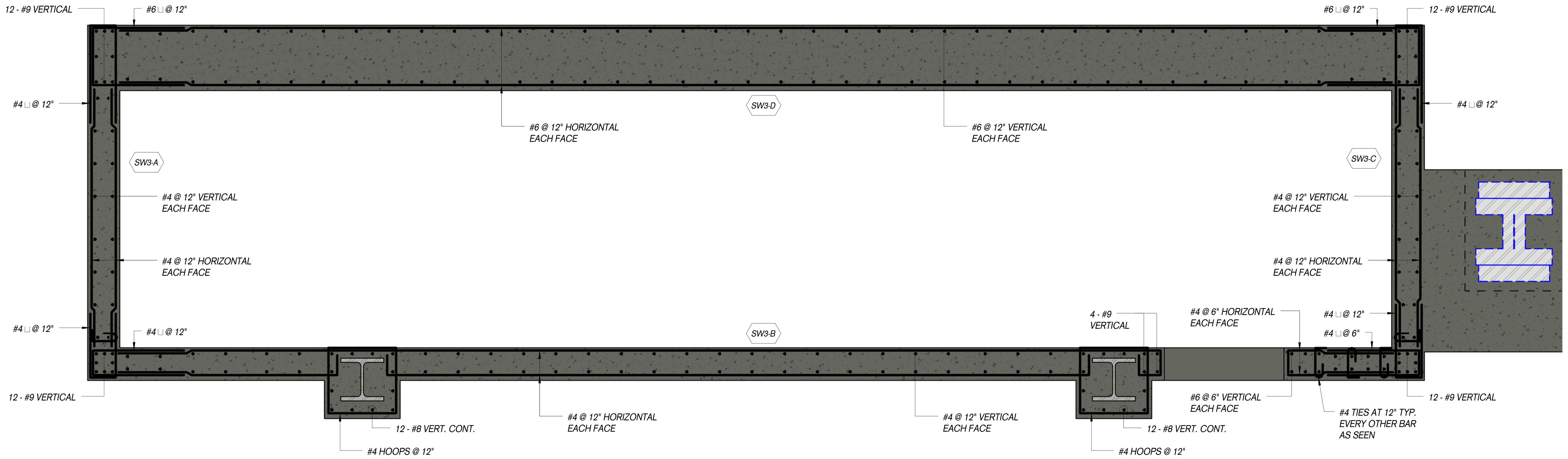
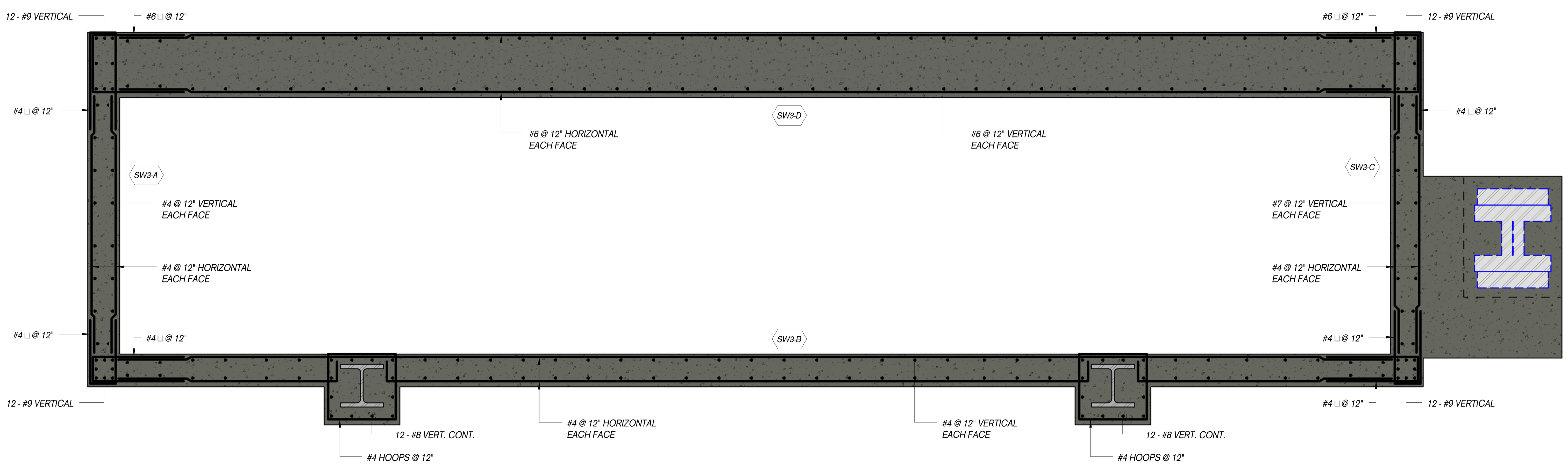
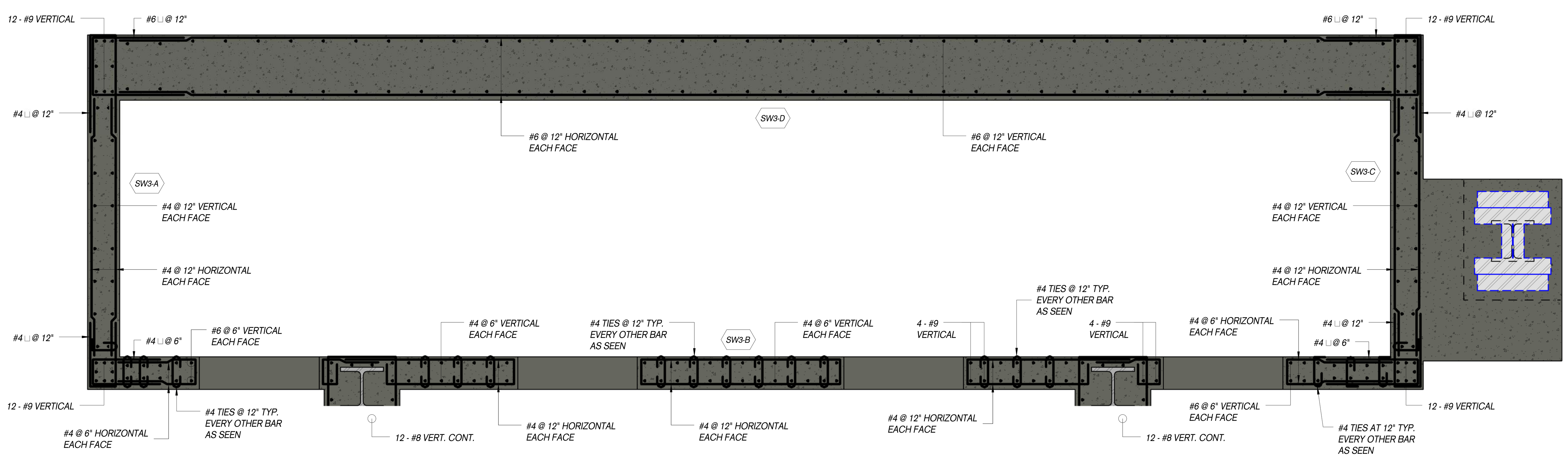


SW3 - SECOND FLOOR TO SIXTH FLOOR
1/2" = 1'-0"
1
S-606



SW3 - SEVENTH FLOOR TO EIGHTH FLOOR
1/2" = 1'-0"
2
S-606



SW3 - NINTH FLOOR TO ELEVENTH FLOOR
1/2" = 1'-0"
3
S-606

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Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
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Severud Associates | Structural Engineer
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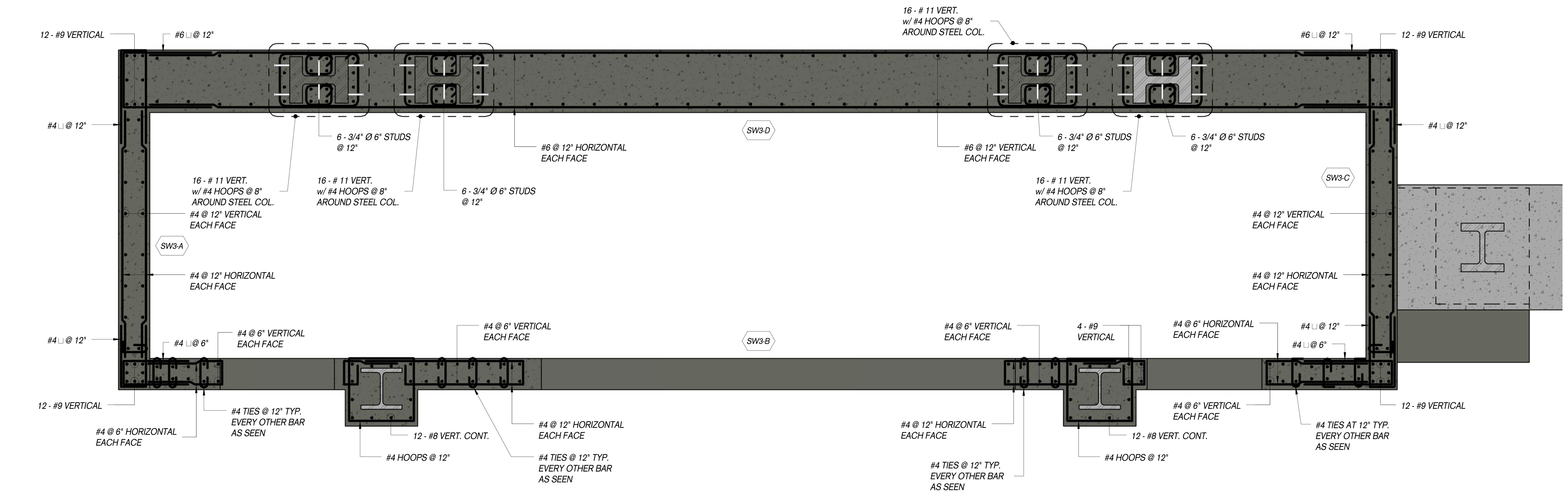
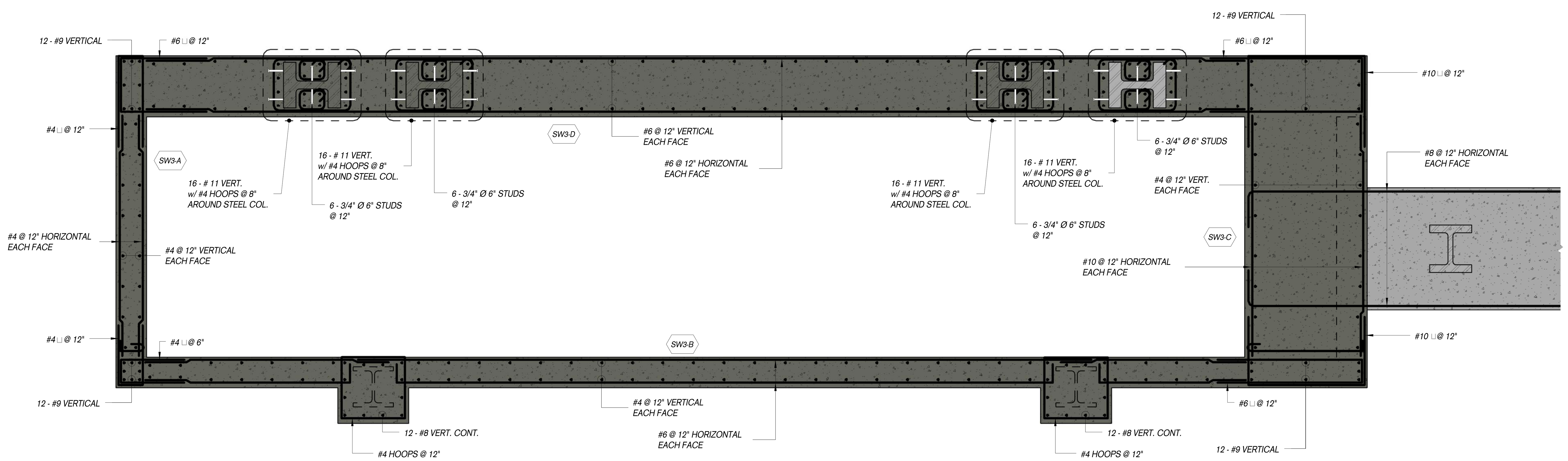


SW3 - TWELFTH FLOOR
1/2" = 1'-0"
1
S-607



SW3 - THIRTEENTH FLOOR
1/2" = 1'-0"
2
S-607

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Platt Byard Dovell White Architects LLP
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212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
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Norwalk, CT 06854
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TORONTO, ON M4M 2M3
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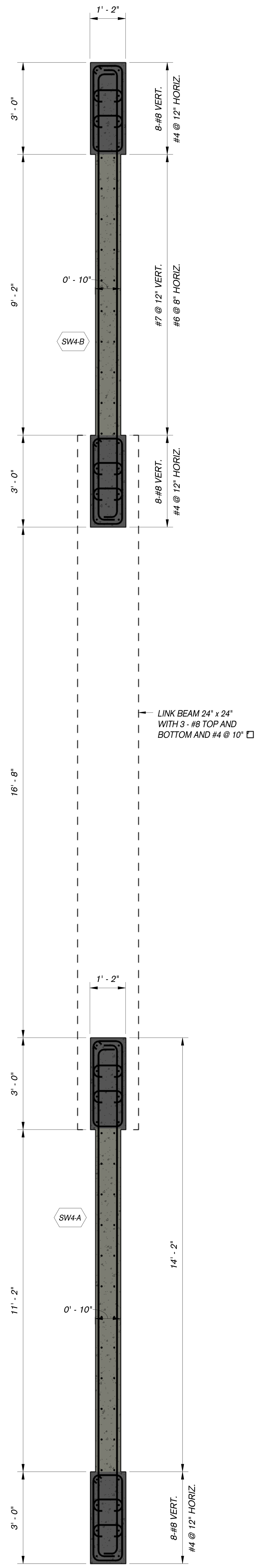
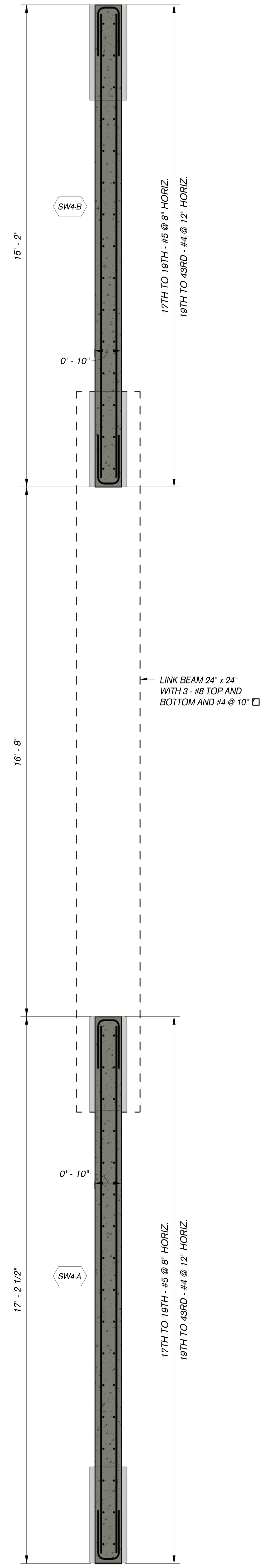


SW4 - SIXTEENTH FLOOR TO SEVENTEENTH FLOOR

1/2" = 1'-0"

1 S-608

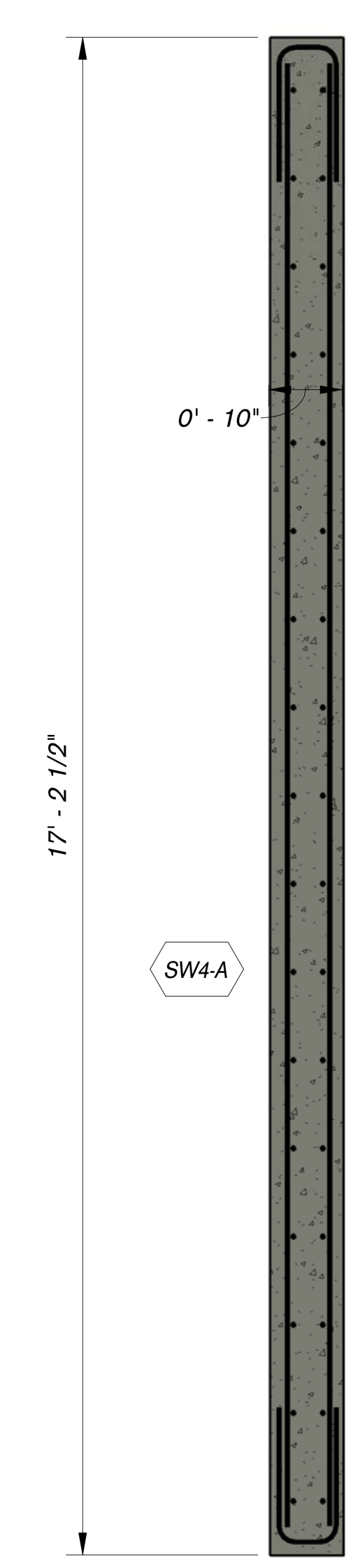


SW4 - SEVENTEENTH FLOOR TO FORTY THIRD FLOOR

1/2" = 1'-0"

2 S-608

NOTE: PROVIDE #5 @ 12" VERTICAL, #4 @ 12" HORIZONTAL U.N.O. ON PLAN.



SW4 - FORTY THIRD FLOOR TO FORTY SEVENTH FLOOR

1/2" = 1'-0"

3 S-608

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Platt Byard Dovell White Architects LLP
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212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
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Urban Foundation Engineering Foundation Engineer
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Sheet Title:

SHEAR WALL PLANS

Project Number: 13649

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Scale: 1/2" = 1'-0"

Signature & Seal:

Sheet Number: S-608.00

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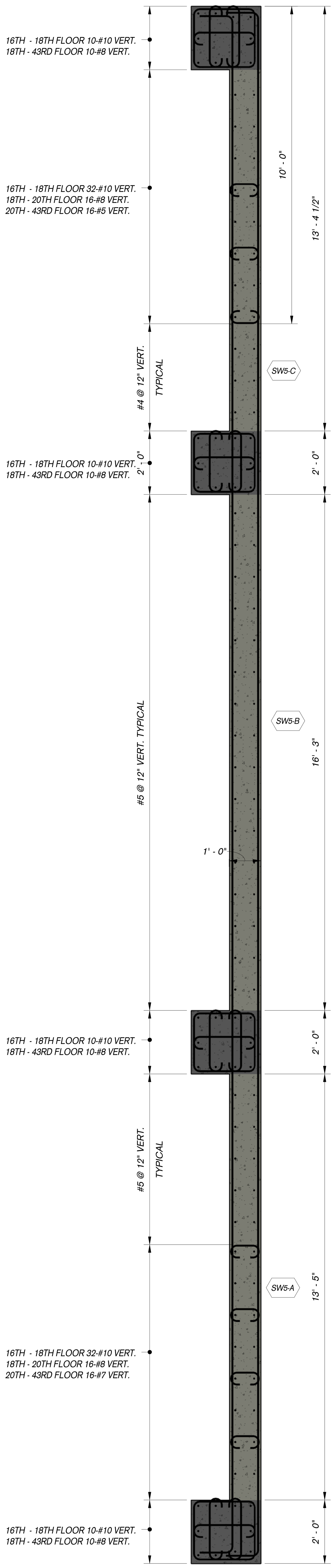
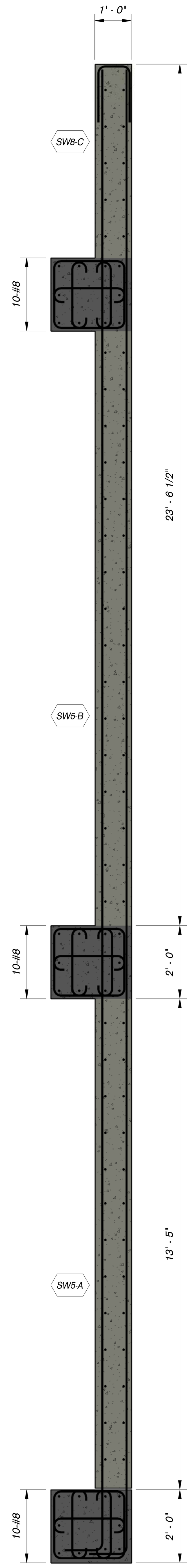


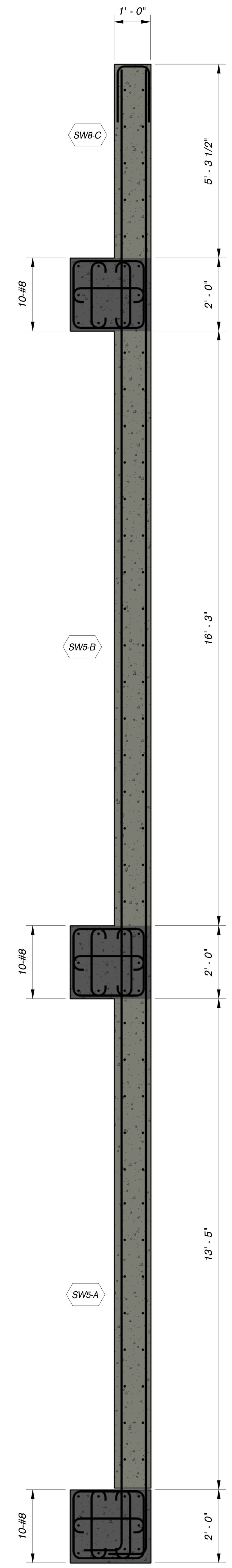
SW5 - SIXTEENTH FLOOR TO FORTY THIRD FLOOR (1 / S-609)

1/2" = 1'-0"



SW5 - FORTY THIRD FLOOR TO FORTY FOURTH FLOOR (2 / S-609)

1/2" = 1'-0"



SW5 - FORTY FOURTH FLOOR TO FORTY SEVENTH FLOOR (3 / S-609)

1/2" = 1'-0"

NOTE:

PROVIDE #5 @ 12" VERTICAL, #4 @ 12" HORIZONTAL U.N.O ON PLAN.

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07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

New York, NY 10036

Sheet Title:

SHEAR WALL PLANS

Project Number: 13649

Drawn By: Author

Checked By: Checker

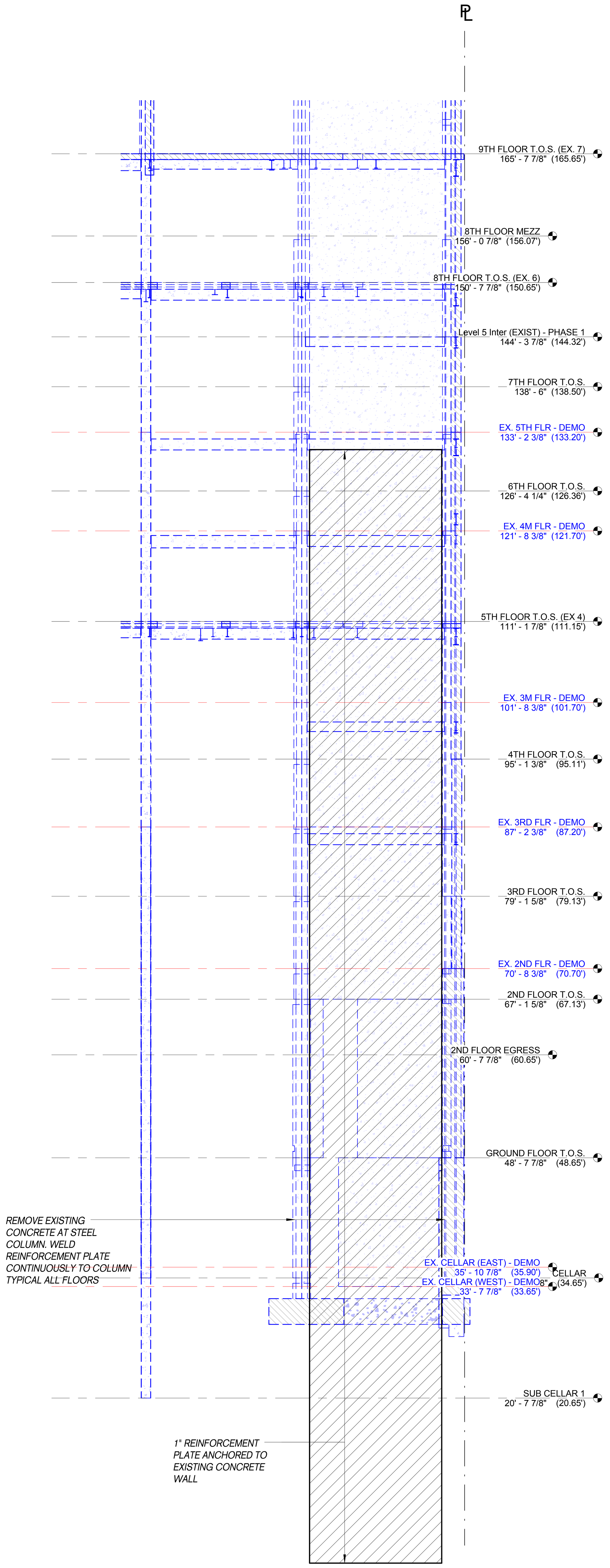
Scale: 1/2" = 1'-0"

Signature & Seal:

Sheet Number: **S-609.00**

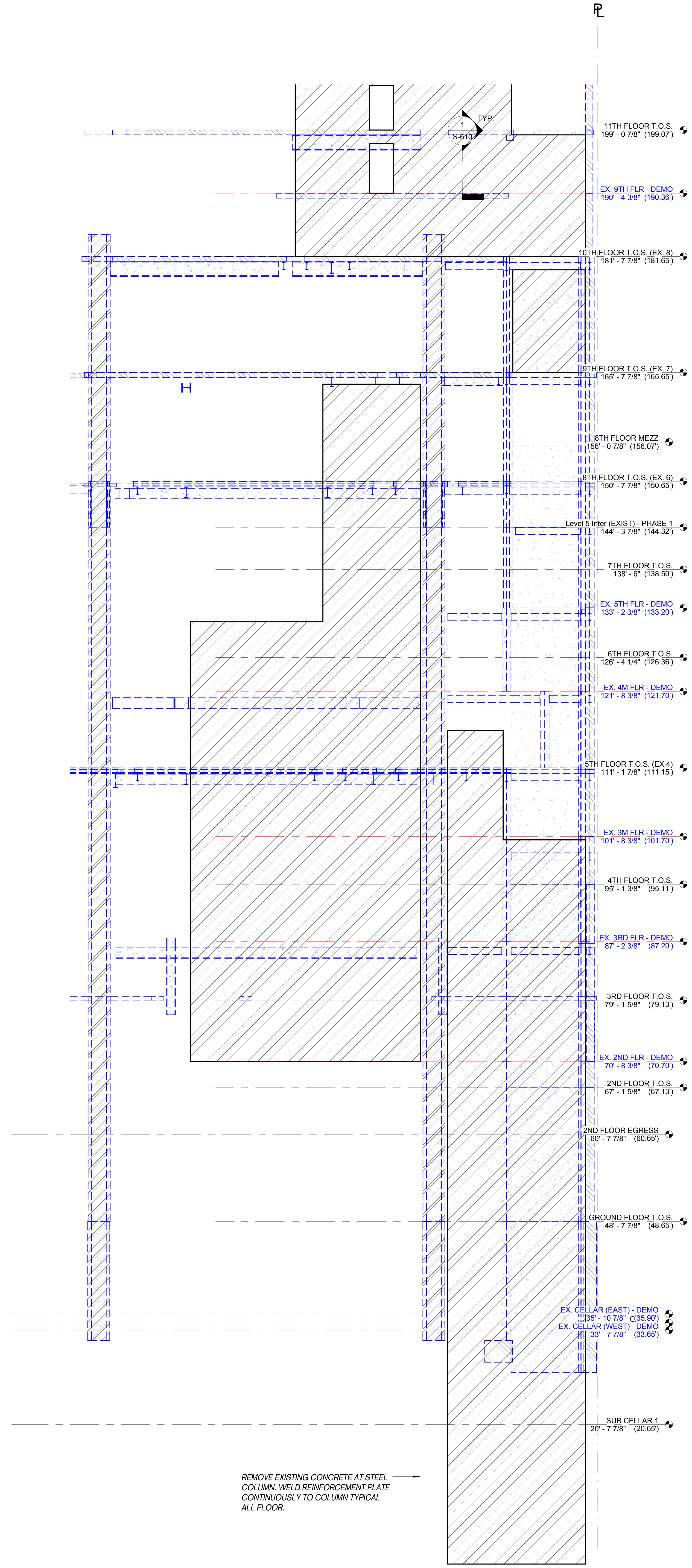
NYC DOB Number:

Sheet: of



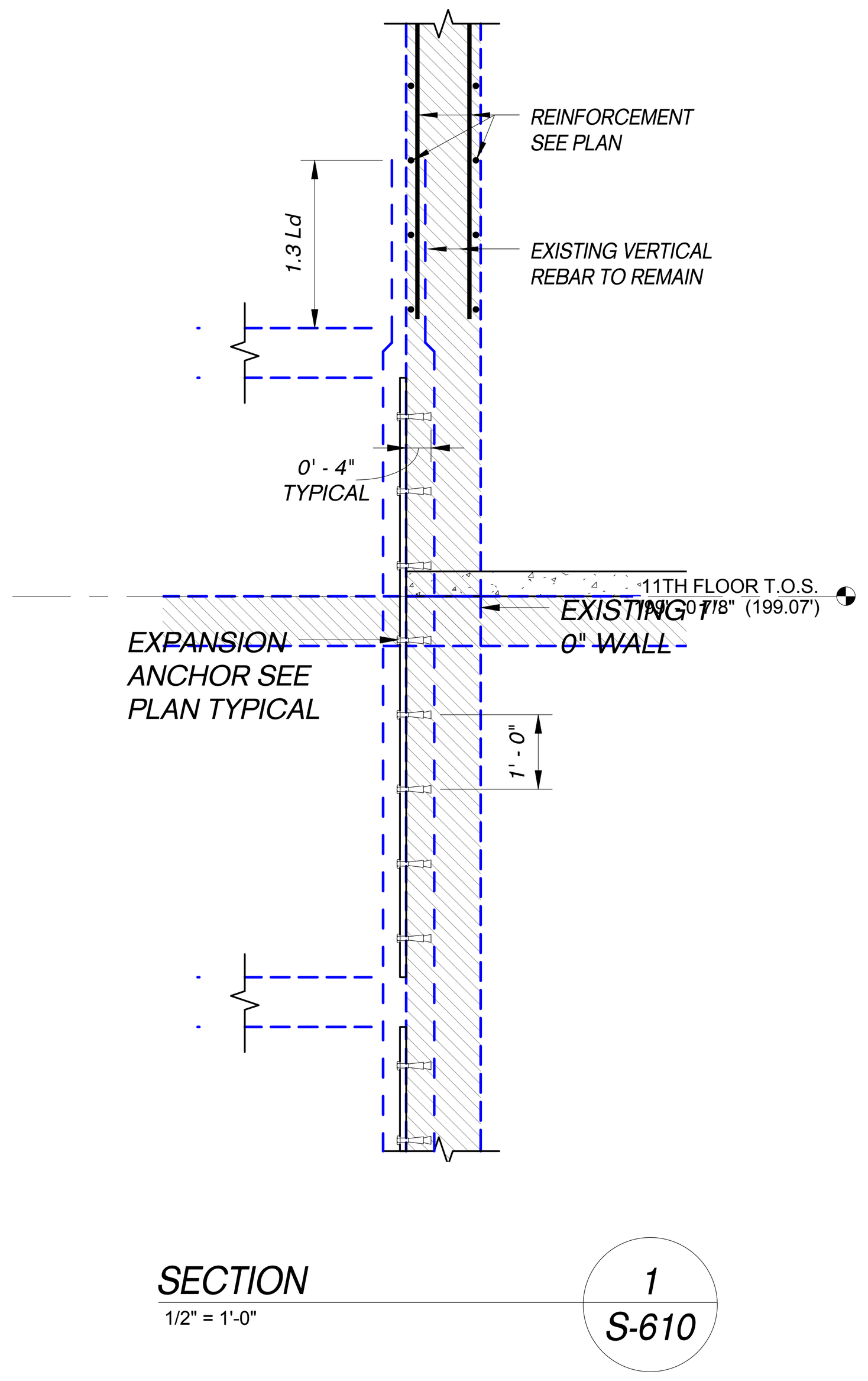
SHEAR WALL ELEVATION - SW1-1

1/8" = 1'-0"



SHEAR WALL ELEVATION - SW1-2

1/8" = 1'-0"



SECTION 1 S-610

1/2" = 1'-0"

INDICATES 1" REINFORCEMENT PLATE ANCHORED TO EXISTING CONCRETE WALL.

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

Design 2147 Limited | Code Consultant
52 Diamond Street, Brooklyn, NY 11222
718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

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47 Water Street
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203 299 0830 | theatreprojects.com

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55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

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21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

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Project:

1568 Broadway

New York, NY 10036

Sheet Title:

SHEAR WALL ELEVATIONS

Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale: As indicated

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Sheet Number:

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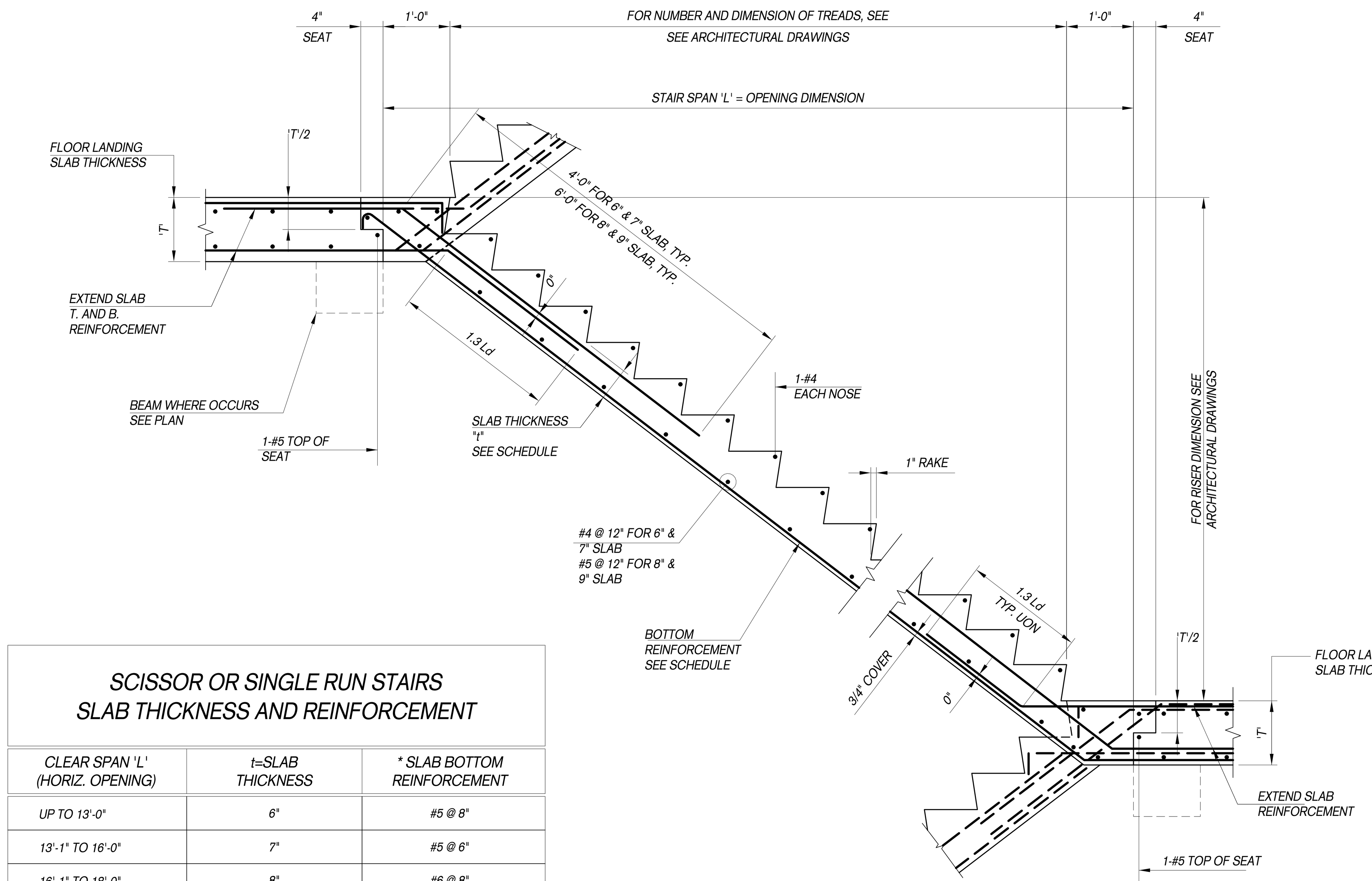


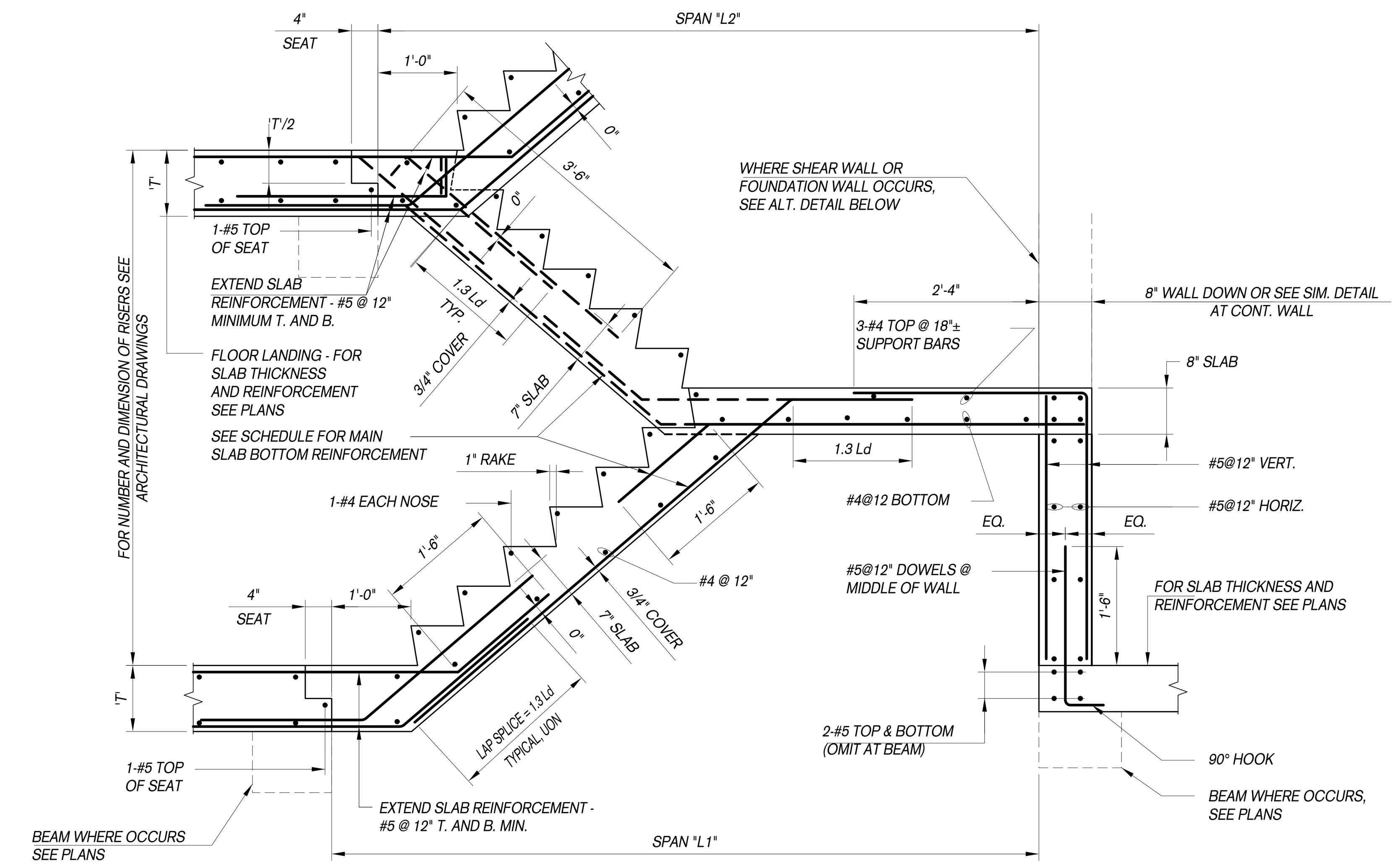
SCISSOR OR SINGLE RUN STAIRS SLAB THICKNESS AND REINFORCEMENT		
CLEAR SPAN 'L' (HORIZ. OPENING)	t=SLAB THICKNESS	* SLAB BOTTOM REINFORCEMENT
UP TO 13'-0"	6"	#5 @ 8"
13'-1" TO 16'-0"	7"	#5 @ 6"
16'-1" TO 18'-0"	8"	#6 @ 8"
18'-1" TO 20'-0"	9"	#6 @ 6"

NOTE:
MAXIMUM HEIGHT OF SINGLE RUN STAIR = 8'-0"
FOR ASSEMBLY SPACES AND INSTITUTIONAL BUILDINGS,
12'-0" FOR RESIDENTIAL AND OTHER OCCUPANCIES.

* FOR TEMPERATURE REINFORCEMENT SEE SECTION.

SCISSOR OR SINGLE RUN STAIR

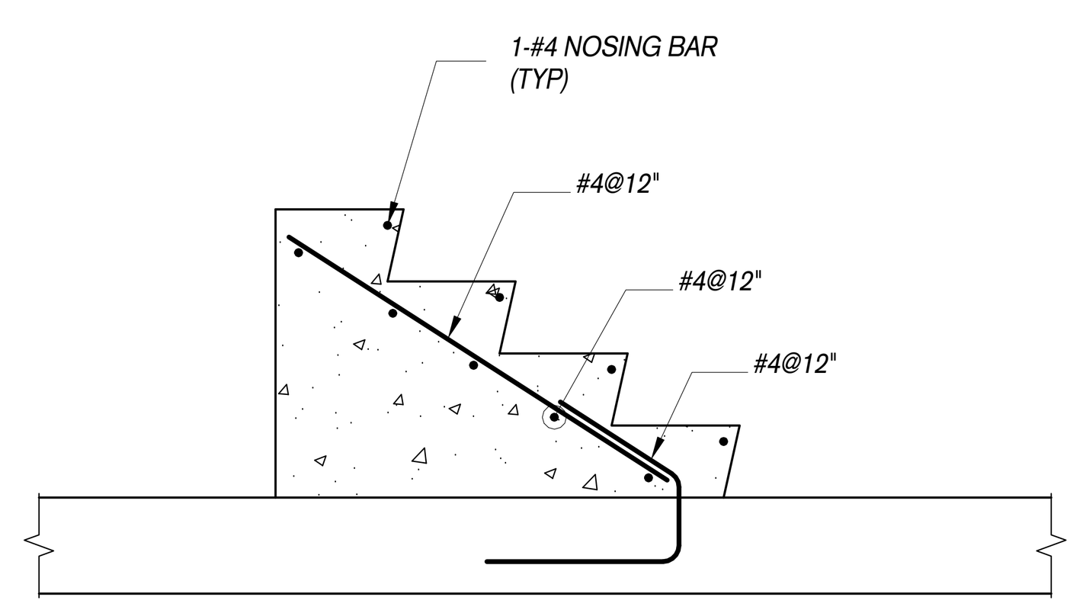
FOR FLOOR REINFORCEMENT EXTENDED INTO STAIR SLAB, SEE FRAMING PLANS.



TWO-RUN OR THREE-RUN STAIRS REINFORCEMENT FOR SLAB t=7"	
CLEAR SPAN L1,L2,L3,L4 (HORIZONTAL OPENING)	SLAB MAIN BOTTOM REINFORCEMENT
UP TO 10'-0"	#5 @ 8"
10'-1" TO 12'-0"	#5 @ 6"
12'-1" TO 14'-0"	#6 @ 8"
14'-1" TO 16'-0"	#6 @ 6"
OVER 16'-0"	DESIGNER TO PROVIDE

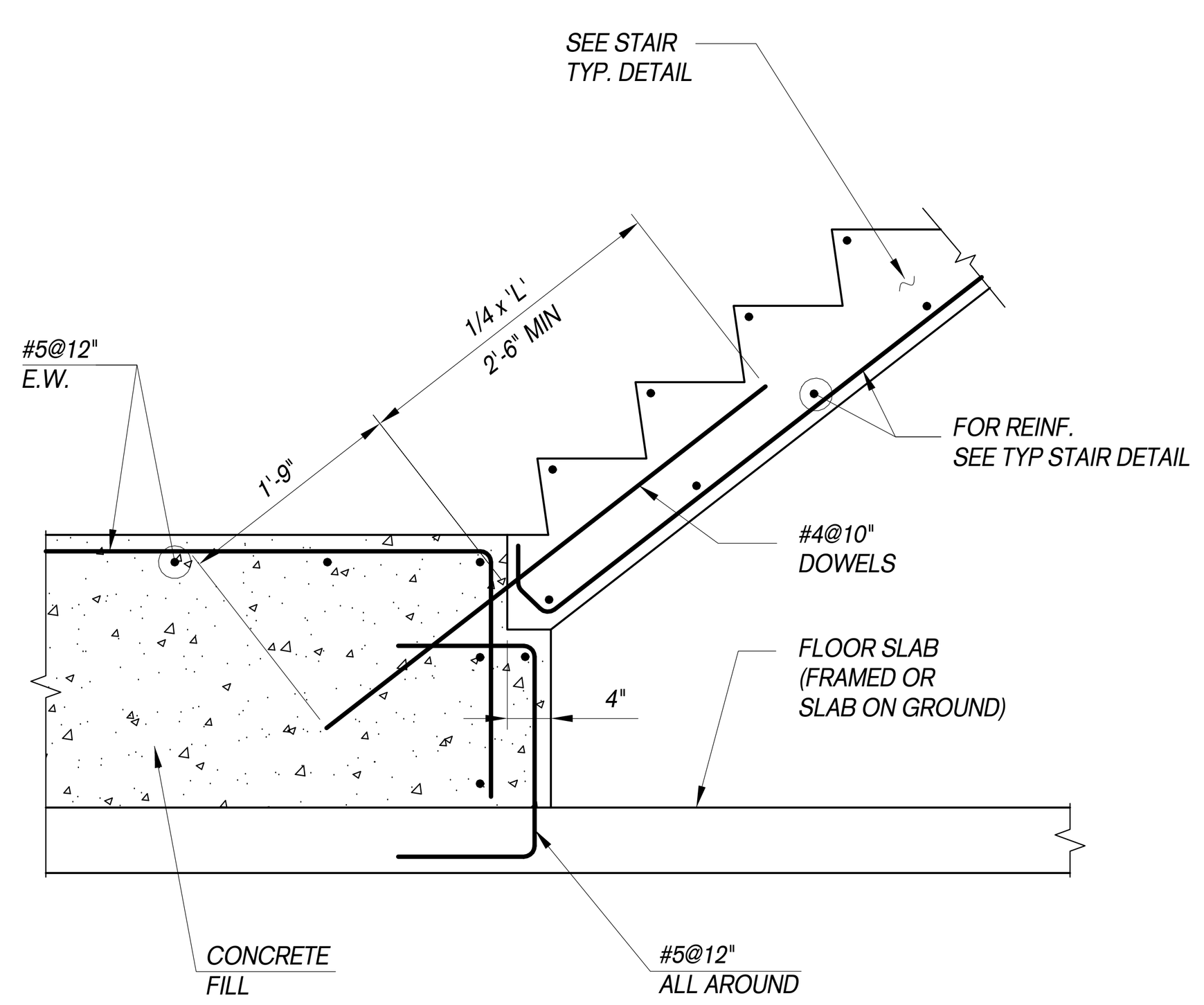
TWO OR MORE RUN STAIR

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

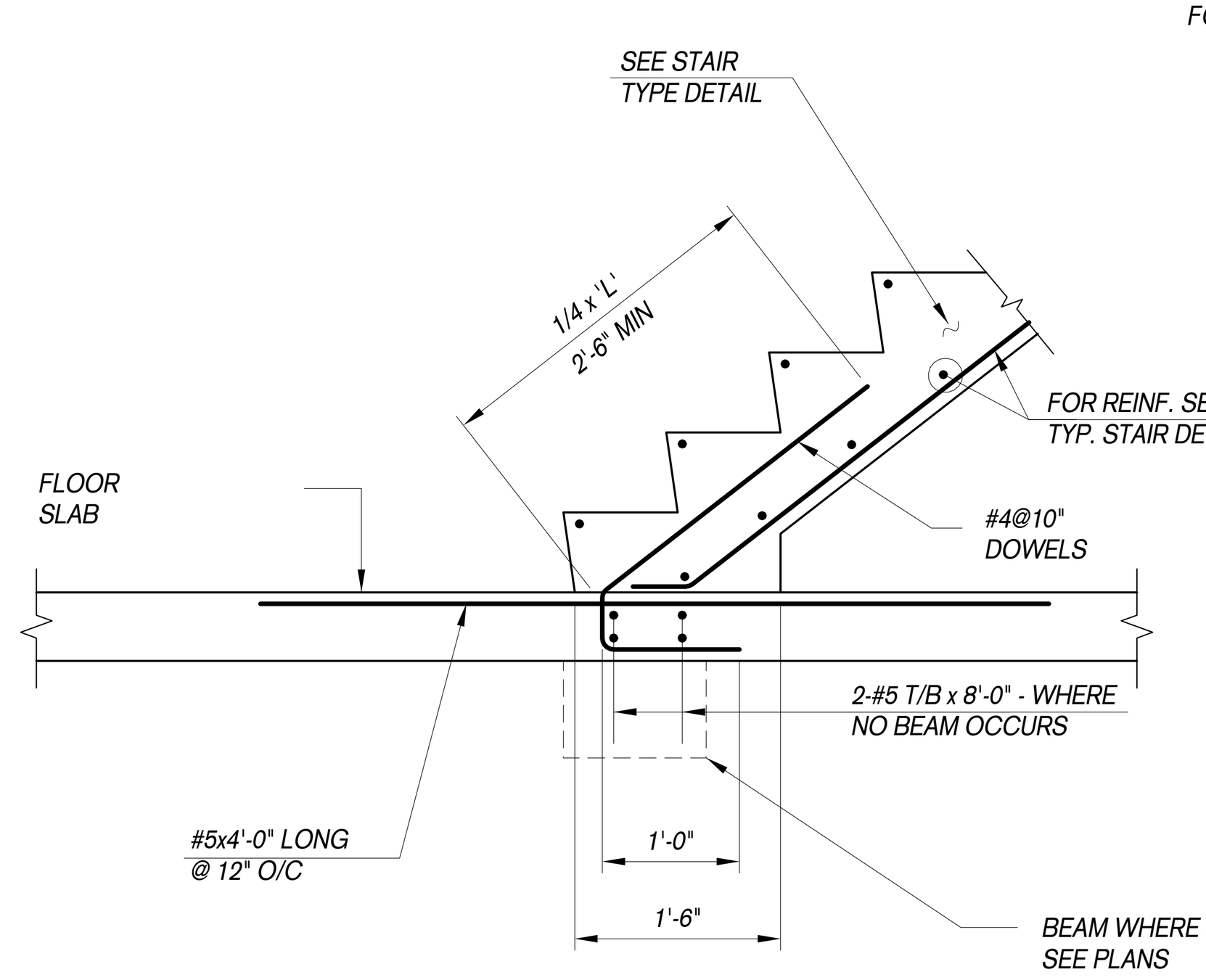


STAIR AT CONC. FILL DETAIL

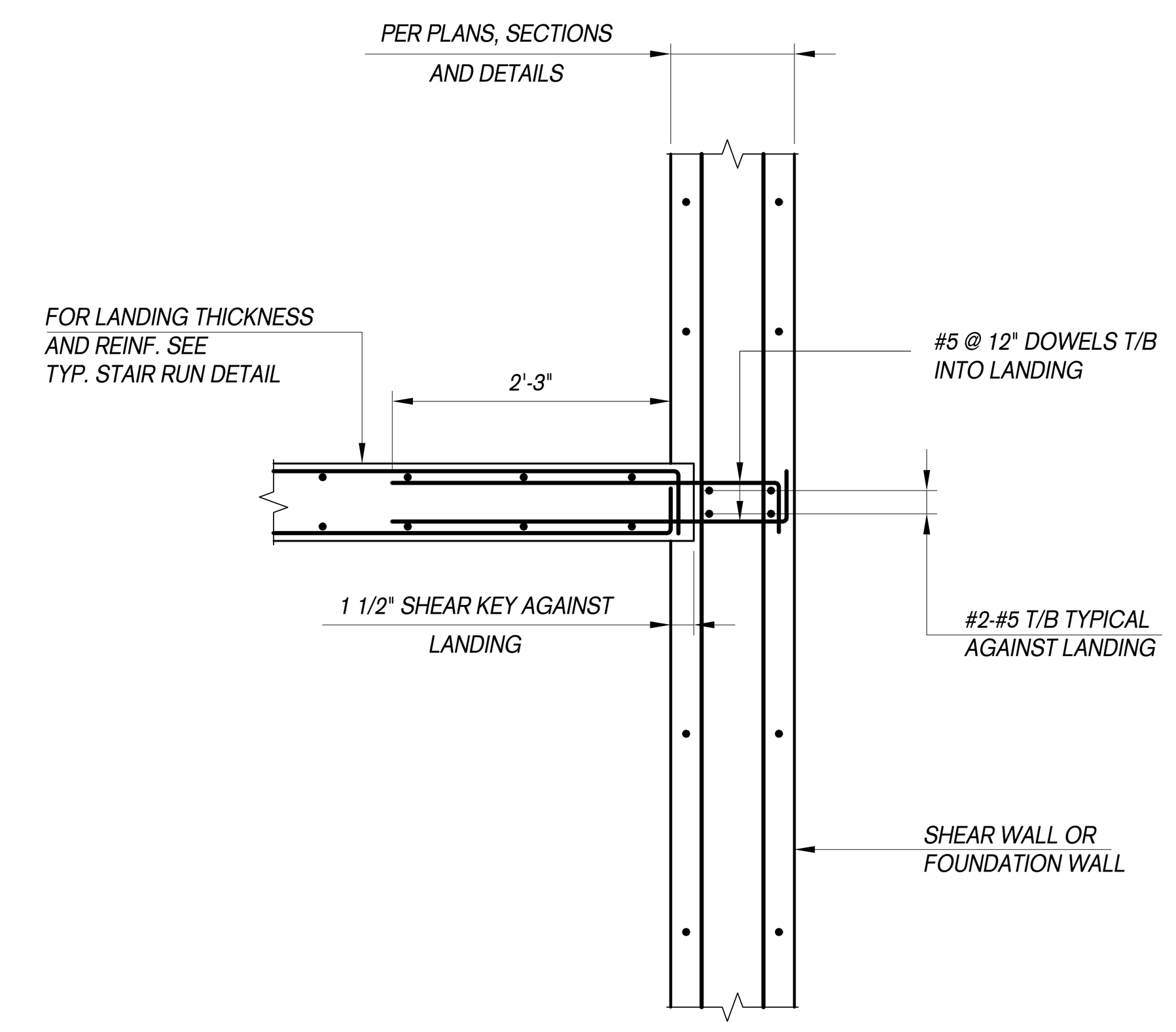
NOTE:
FOR DIMENSIONS SEE ARCH. DWGS.



DETAIL AT START OF STAIR ON FILL



DETAIL AT START OF STAIR ON FRAMED SLAB



SIMILAR DETAIL AT TWO RUN STAIR WHERE FOUNDATION WALL OR SHEAR WALL OCCURS AT INTERMEDIATE LANDING

CONCRETE STAIR DETAILS

3/4" = 1'-0"

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
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CONCRETE STAIR DETAILS

Project Number: 13649
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S-611.00

NYC DOB Number:
Sheet: of

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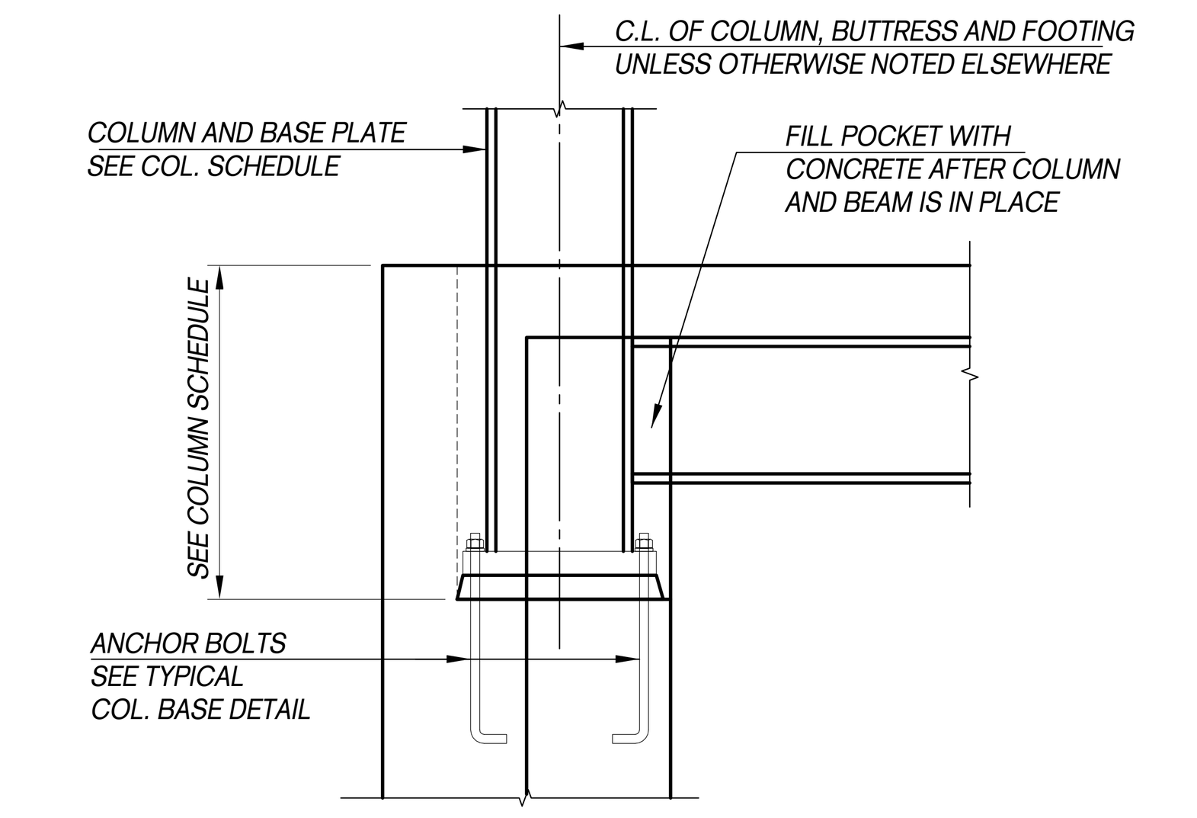
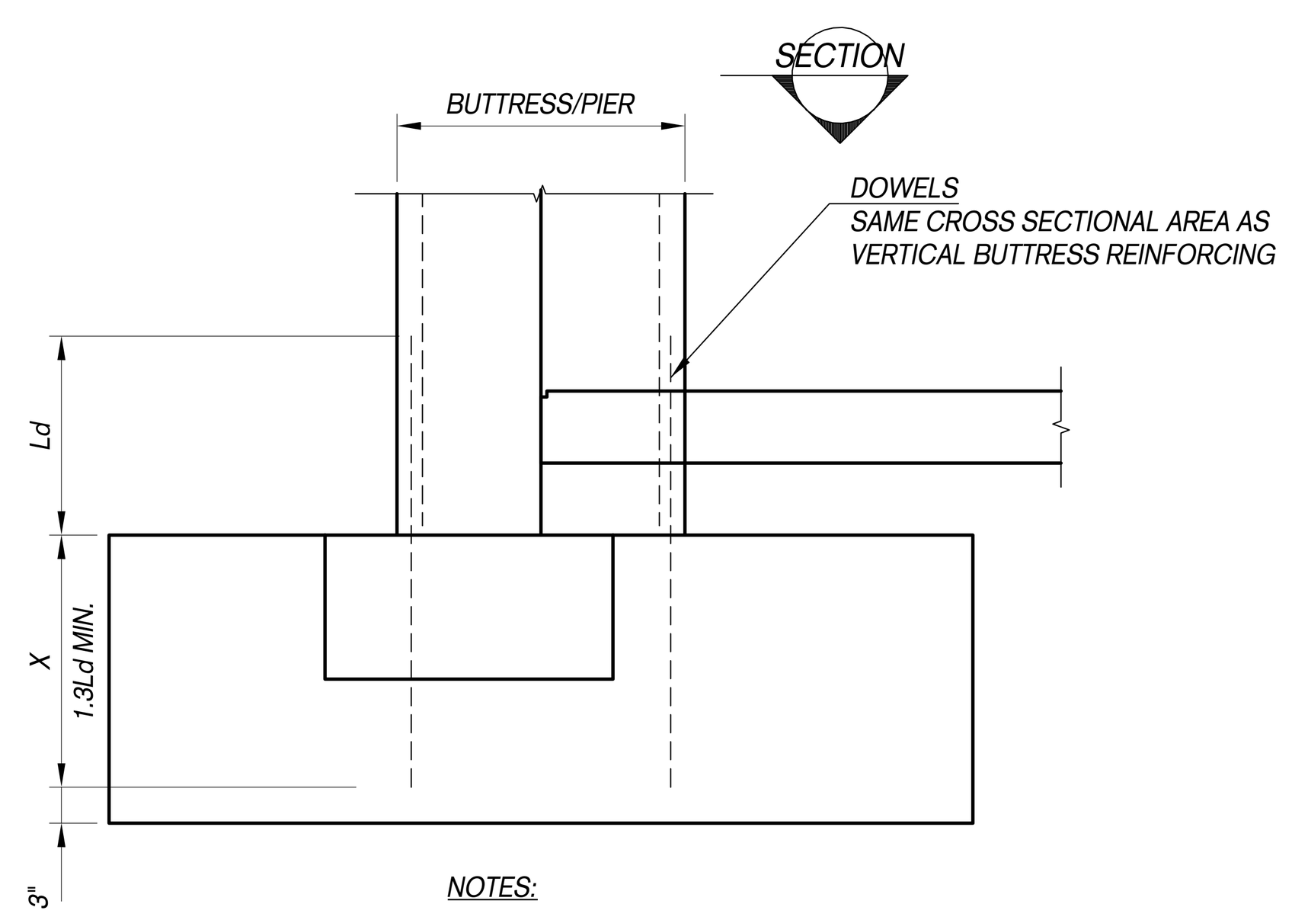
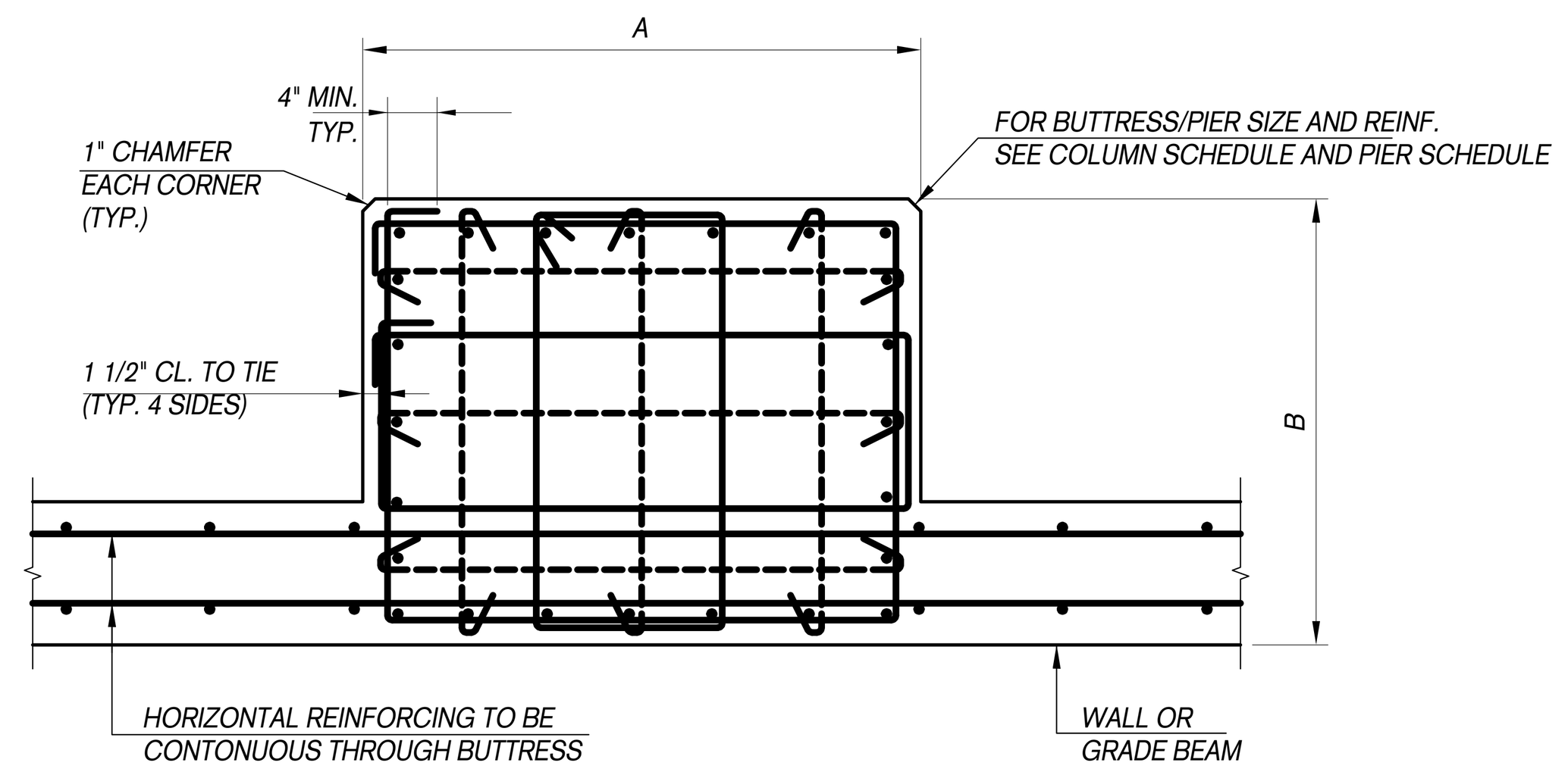


VERTICAL BAR DIAMETER	TIES	
	BAR SIZE	SPACING
#5	#3	10"
#6	#3	12"
#7	#3	14"
#8	#3	16"
#9	#3	18"
#10	#3	18"
#11 OR LARGER	#4	18"



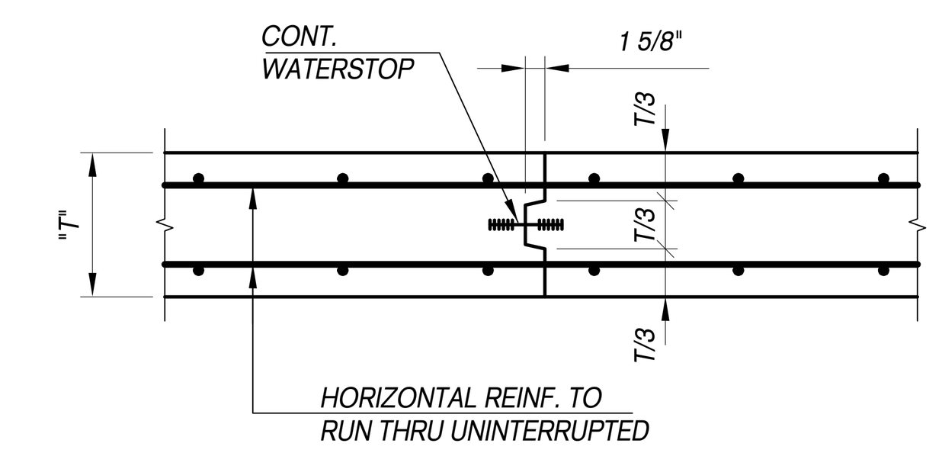


SECTION

NOTES:

1. TIES SHALL BE ARRANGED SUCH THAT EVERY CORNER AND ALTERNATE LONGITUDINAL BAR SHALL HAVE LATERAL SUPPORT PROVIDED BY THE CORNER OF A TIE WITH AN INCLUDED ANGLE OF NOT MORE THAN 135 DEGREES. IF ANY BAR SHALL BE FARTHER THAN 6 INCHES CLEAR ON EACH SIDE ALONG THE TIE FROM A LATERALLY SUPPORTED BAR, LATERAL SUPPORT (SHOWN DOTTED) SHALL BE PROVIDED FOR THESE BARS
2. IF THE DIMENSION A OR B IS LESS THAN THE TIE SPACING SHOWN, THE SPACING SHALL BE DECREASED TO EQUAL A OR B WHICHEVER IS SMALLER
3. IF X IS LESS THAN 1.3Ld, INCREASE AREA OF DOWELS BY $\frac{Ld}{X}$ OR PROVIDE BAR TERMINATORS .
4. DEVELOPMENT LENGTH Ld TO BE DETERMINED IN ACCORANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 12.

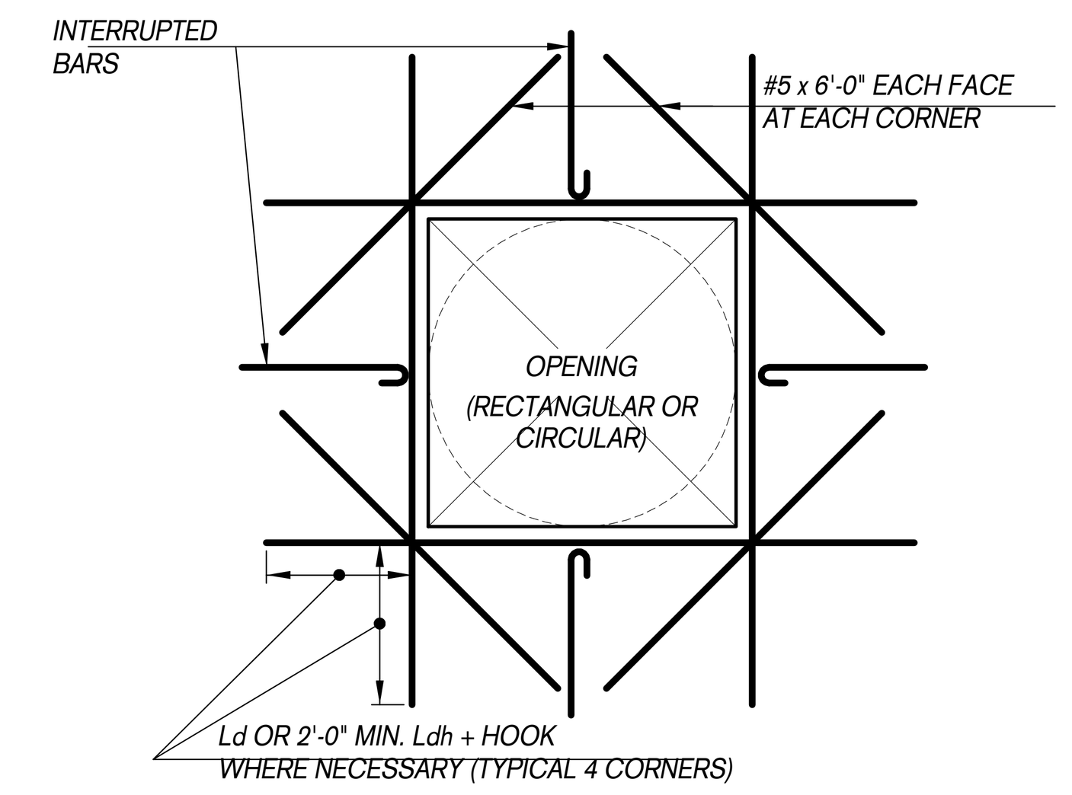
TYPICAL STEEL COLUMN SUPPORTED ON BUTTRESS/PIER DETAIL



NOTES:

1. UNLESS OTHERWISE NOTED ELSEWHERE, LOCATE JOINTS MIDWAY BETWEEN COLUMN CENTERLINES.
2. UNLESS OTHERWISE NOTED ELSEWHERE, SPACING OF JOINTS SHALL NOT EXCEED 60'-0".
3. ALLOW 7 (SEVEN) DAYS MINIMUM BETWEEN PLACING CONCRETE ADJACENT TO PREVIOUSLY CAST CONCRETE.

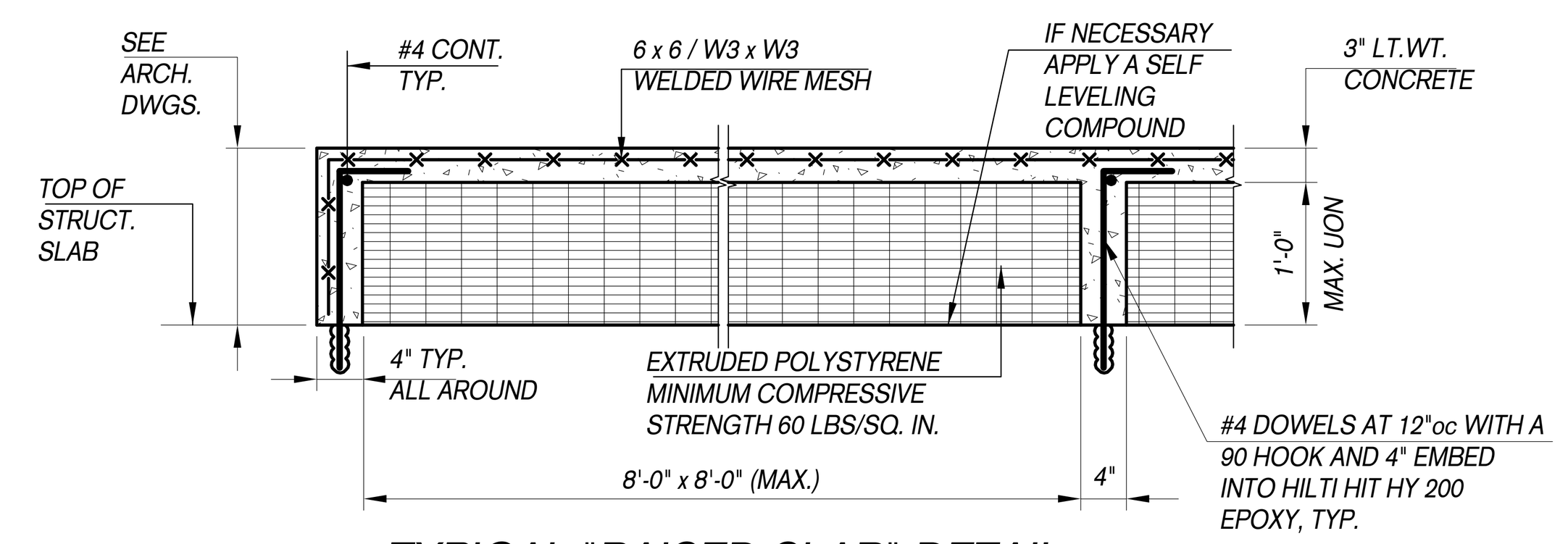
TYPICAL CONCRETE WALL AND GRADE BEAM CONSTRUCTION JOINT DETAIL



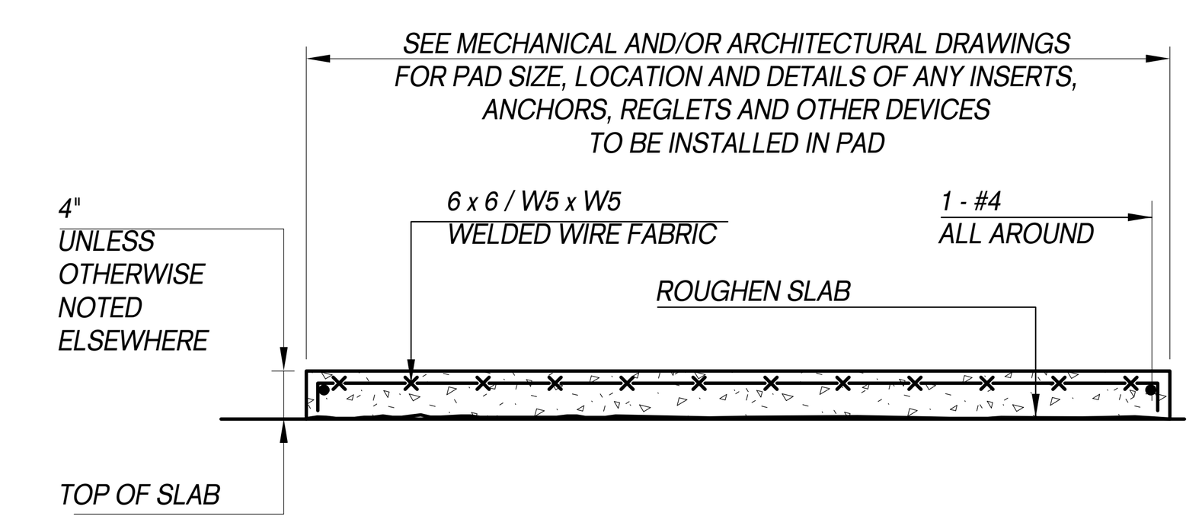
NOTES:

1. HOOK ALL INTERRUPTED BARS.
2. FOR EACH FACE 50% OF REINFORCING BAR AREA INTERRUPTED BY OPENING SHALL BE PROVIDED EACH SIDE OF OPENING #5 MIN. EACH SIDE IN EACH FACE.
3. DEVELOPMENT LENGTH Ld OR Ldh TO BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI318 CHAPTER 12.
4. REFER TO SHEAR WALL TYPICAL DETAILS FOR OPENINGS IN SHEAR WALLS.
5. FOR ADD'L REQUIREMENTS FOR PIPE SLEEVES, SEE DETAIL ON S-604.

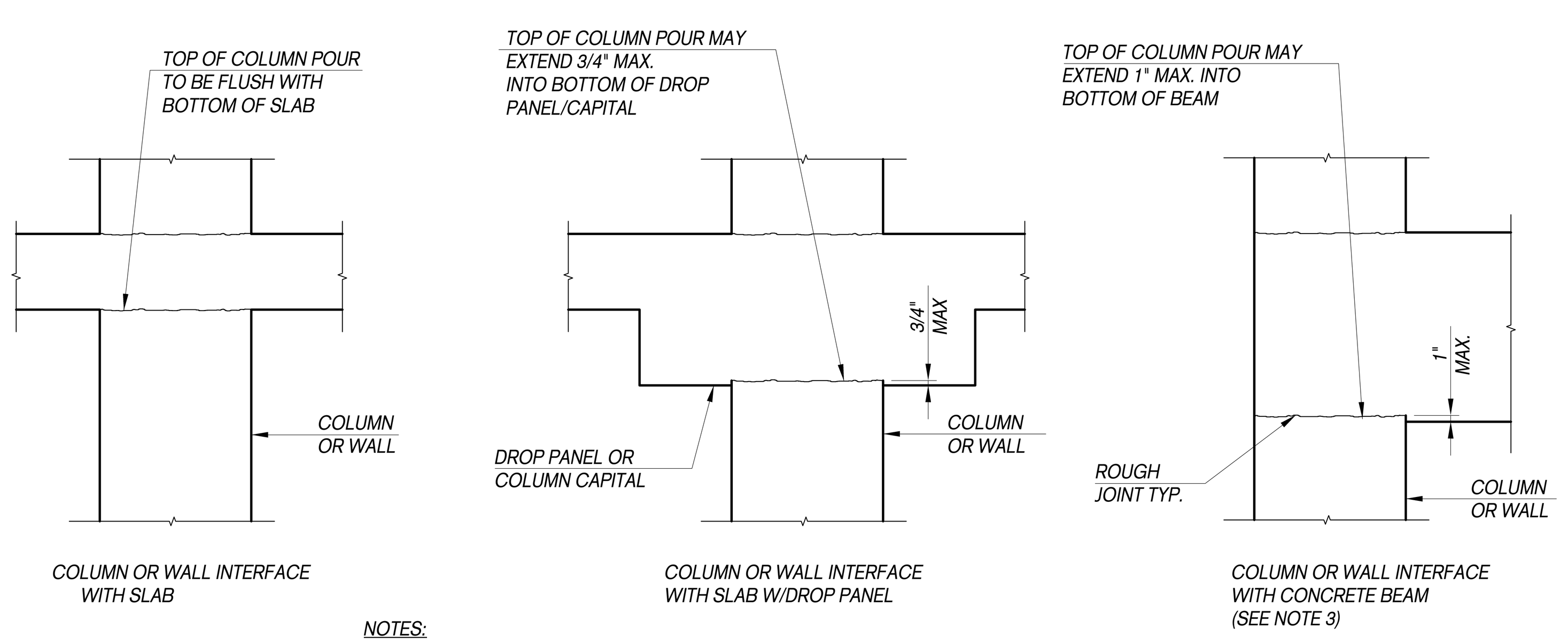
TYPICAL DETAIL OF OPENING IN CONCRETE WALLS AND GRADE BEAMS



TYPICAL "RAISED SLAB" DETAIL



TYPICAL MECHANICAL PAD DETAIL



COLUMN OR WALL INTERFACE WITH SLAB

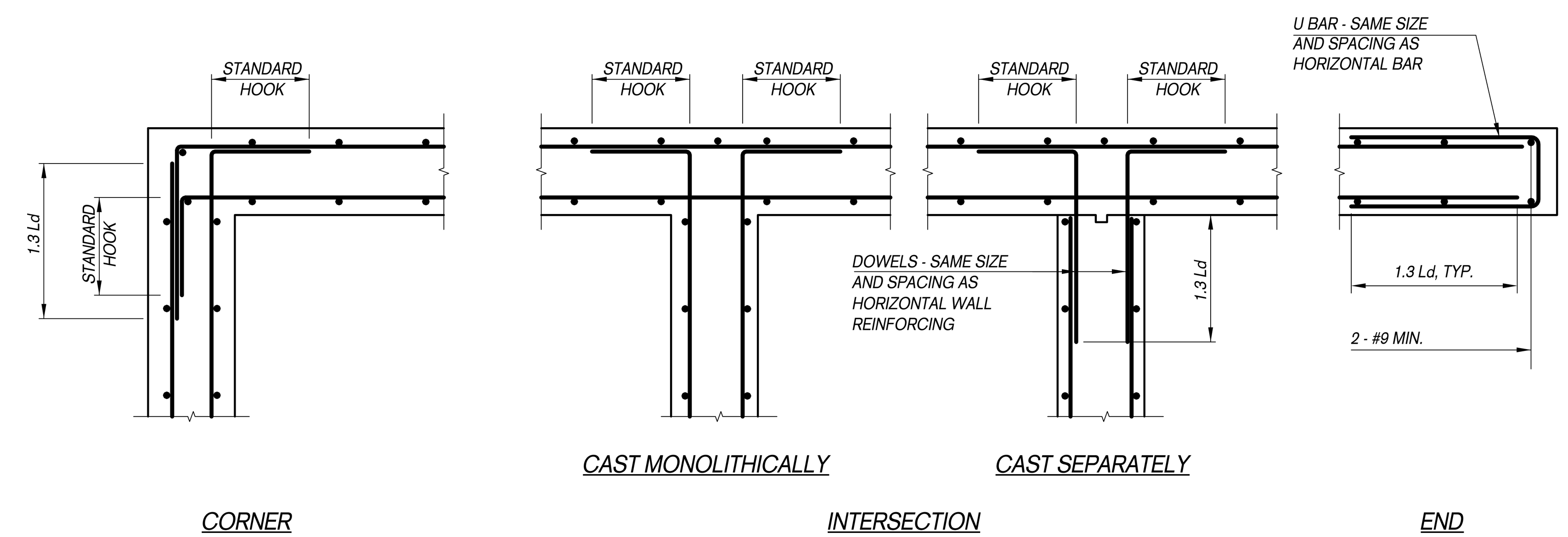
COLUMN OR WALL INTERFACE WITH SLAB W/DROP PANEL

COLUMN OR WALL INTERFACE WITH CONCRETE BEAM (SEE NOTE 3)

NOTES:

1. WHERE COLUMN POUR EXTENDS INTO BOTTOM OF FLOOR FRAMING FATHER THAN PERMITTED,CHIP COLUMN CONCRETE FLUSH TO UNDERSIDE OF FLOOR FRAMING FOR 2" WIDTH AROUND PERIMETER OF COLUMN.
2. TOP OF COLUMN POUR MAY STOP 1" MAX. BELOW BOTTOM OF FLOOR FRAMING.
3. LINK BEAMS SHALL BE POURED MONOLITHICALLY WITH THE SHEAR WALLS.

COLUMN AND WALL INTERFACE WITH FLOOR FRAMING



CORNER INTERSECTION END

NOTE:

1. DEVELOPMENT LENGTH Ld TO BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 12.

TYPICAL CONCRETE WALL AND GRADE BEAMS CORNER, END AND INTERSECTION DETAILS

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
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Sheet Title:
TYPICAL CONCRETE DETAILS I

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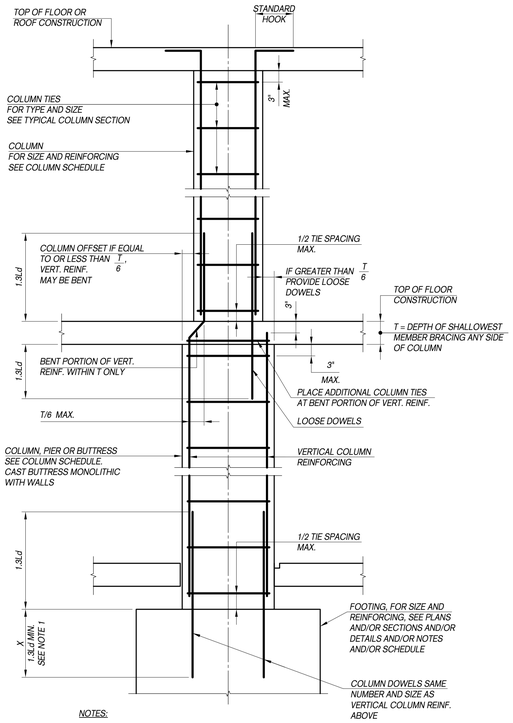
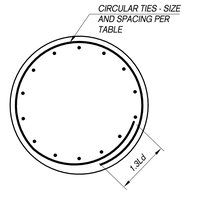


NOTES:

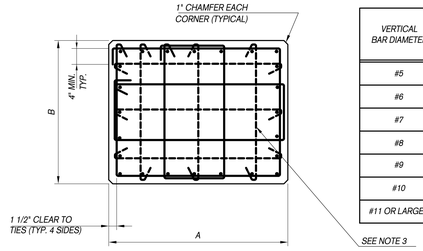
1. IF X IS LESS THAN 1.3Ld INCREASE TOTAL AREA OF DOWELS BY 1.3Ld/X.
2. DEVELOPMENT LENGTH Ld TO BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 12.

TYPICAL COLUMN DETAIL



ROUND COLUMN

ALT: PROVIDE #4 SPIRAL WITH 3" PITCH.



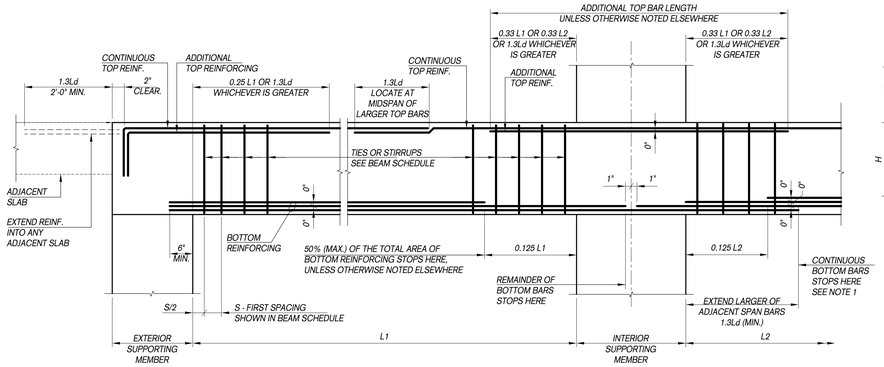
VERTICAL BAR DIAMETER	TIES	
	BAR SIZE	SPACING
#5	#3	10"
#6	#3	12"
#7	#4	12"
#8	#4	14"
#9	#4	14"
#10	#4	14"
#11 OR LARGER	#4	14"

RECTANGULAR COLUMN

NOTES:

1. TIES SHALL BE ARRANGED SUCH THAT EVERY CORNER AND ALTERNATE LONGITUDINAL BAR SHALL HAVE LATERAL SUPPORT PROVIDED BY THE CORNER OF A TIE WITH AN INCLUDE ANGLE OF NOT MORE THAN 135 DEGREES. IF ANY BAR SHALL BE FARTHER THAN 6 INCHES CLEAR ON EACH SIDE ALONG THE TIE FROM A LATERALLY SUPPORTED BAR. LATERAL SUPPORT (SHOWN DOTTED) SHALL BE PROVIDED FOR THESE BARS
2. IF THE DIMENSION A OR B IS LESS THAN THE TIE SPACING SHOWN, THE SPACING SHALL BE DECREASED TO EQUAL A OR B WHICHEVER IS SMALLER.
3. SINGLE COLUMN TIES ARE PERMITTED TO BE 90 DEGREE/135 DEGREE, PROVIDED THE 90 DEGREE HOOK AND 135 DEGREE HOOK ARE PLACED IN AN ALTERNATING PATTERN, HORIZONTALLY AND VERTICALLY.

TYPICAL COLUMN SECTIONS

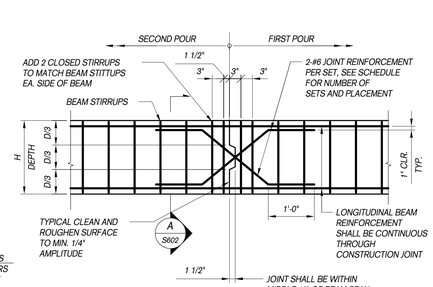


NON-CONTINUOUS END

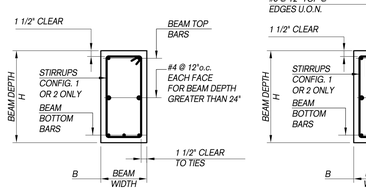
CONTINUOUS END

NOTES:

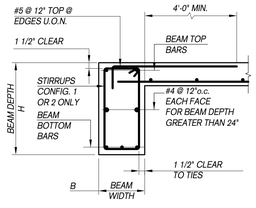
1. AT LEAST 25% OF THE TOTAL AREA OF BOTTOM REINFORCING (BUT NOT FEWER THAN 2 BARS) SHALL BE CONTINUOUS OVER THE FOOTPRINT OF THE COLUMN.
2. FOR BEAMS ALONG A PERIMETER (e.g. SPANDREL BEAMS) AT LEAST 1/6 OF THE TOTAL AREA OF TOP BARS AT INTERIOR SUPPORTS (BUT NOT FEWER THAN 2 BARS) SHALL BE CONTINUOUS.
3. DEVELOPMENT LENGTH Ld TO BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 12.
4. FOR SIZE AND NUMBER OF ALL BARS, SEE PLANS AND BEAM SCHEDULE.



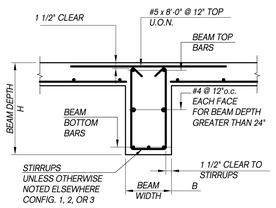
BEAM ELEVATION



UPSET OR NO SLAB



SLAB OCCURS ONE SIDE

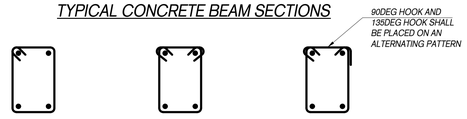


SLAB OCCURS BOTH SIDES

NOTES:

1. FOR BEAM SIZE, AND REINFORCING, SEE BEAM SCHEDULE AND/OR SECTIONS.
2. ALL HOOKS AND BENDS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 7.

TYPICAL CONCRETE BEAM SECTIONS

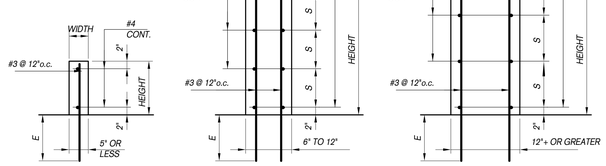


CONFIGURATION 1 | CONFIGURATION 2 | CONFIGURATION 3

NOTES:

1. CONFIGURATION 1, 2 AND 3 MAY BE USED WHERE SLAB OCCURS ON EACH SIDE AT TOP OF BEAM.
2. CONFIGURATION 1, 2 AND 3 MAY BE USED WHERE SLAB OCCURS ON ONE SIDE AT TOP OF BEAM. THE 90° HOOK SHALL BE PLACED ON THE SLAB SIDE.
3. CONFIGURATION 1 AND 2 MAY BE USED WHERE NO SLAB OCCURS AT TOP OF BEAM INCLUDING UPTURNED BEAM UNLESS NOTED OTHERWISE.
4. FOR STANDARD HOOK AND BEND DETAILS, SEE "TYPICAL HOOKED BAR DETAILS".

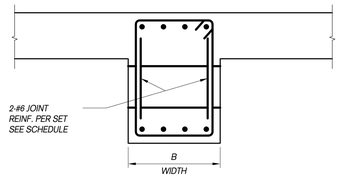
ACCEPTABLE STIRRUP CONFIGURATIONS



NOTES:

1. S SHALL NOT BE GREATER THAN 12".
2. THE HEIGHT OF CURBS SHALL NOT BE GREATER THAN 3 TIMES THE CURB WIDTH.
3. E SHALL BE Ld MIN. OR PROVIDE 90° STD. HOOK.
4. FOR CURB SIZE AND LOCATIONS, SEE ARCHITECTURAL DRAWINGS AND/OR MECHANICAL AND/OR OTHER CONTRACT DOCUMENTS.
5. ALL REINFORCING IN CURBS SHALL BE EPOXY COATED.

TYPICAL CONCRETE CURB DETAILS



SECTION A

SCHEDULE	
BEAM WIDTH b	JOINT REINFORCING
b < 8"	1 SET PLACE IN THE MIDDLE OF BEAM
8 < b < 24"	1 SET EACH SIDE OF BEAM
24 < b < 40"	2 SETS EACH SIDE OF BEAM (PLACE SETS @ 3" AT EA. SIDE)
b > 40"	1 SET @ 12" ACROSS BEAM WIDTH

NOTES:

1. PROVIDE CONSTRUCTION JOINTS WHERE INDICATED ON THE CONTRACT DRAWINGS. WHERE NO CONSTRUCTION JOINTS ARE INDICATED, THE CONTRACTOR SHALL SUBMIT A PROPOSED LOCATION OF CONSTRUCTION JOINTS, SUBJECT TO THE REVIEW AND APPROVAL BY THE EOR.

TYPICAL CONCRETE BEAM CONSTRUCTION JOINT DETAIL

TYPICAL CONCRETE DETAILS II

3/4" = 1'-0"

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

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Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

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14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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718.383.9340 | design2147.com

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973.776.4404 | iroselevator.com

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203.838.4167 | jaffeholden.com

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55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

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21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
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718.478.3021

zeroLUX | Lighting Design
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212.209.1536

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04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
TYPICAL CONCRETE DETAILS II

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: 3/4" = 1'-0"

Signature & Seal:
Roxane Tsirigotis, RA
R. Tsirigotis
APPROVED Under Directive 14 of 1975
Date: 04/25/2014
NYC Development Hub
STATE OF NEW YORK ROXANNE JUDITH TSIRIGOTIS LICENSED PROFESSIONAL ENGINEER 060340

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NYC DOB Number:
Sheet: of

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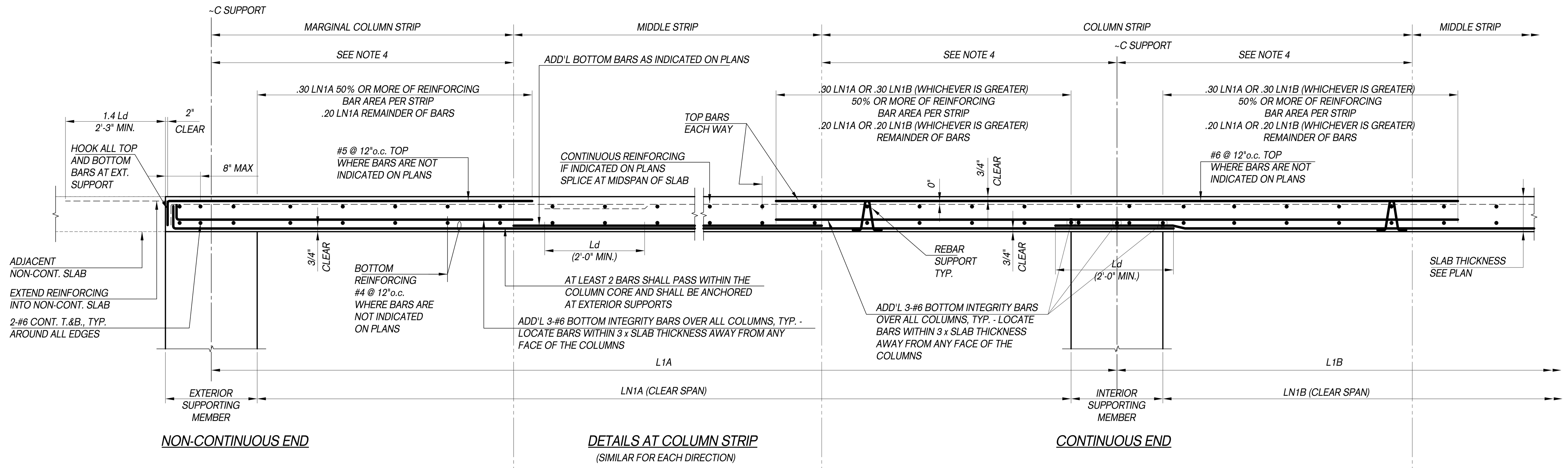
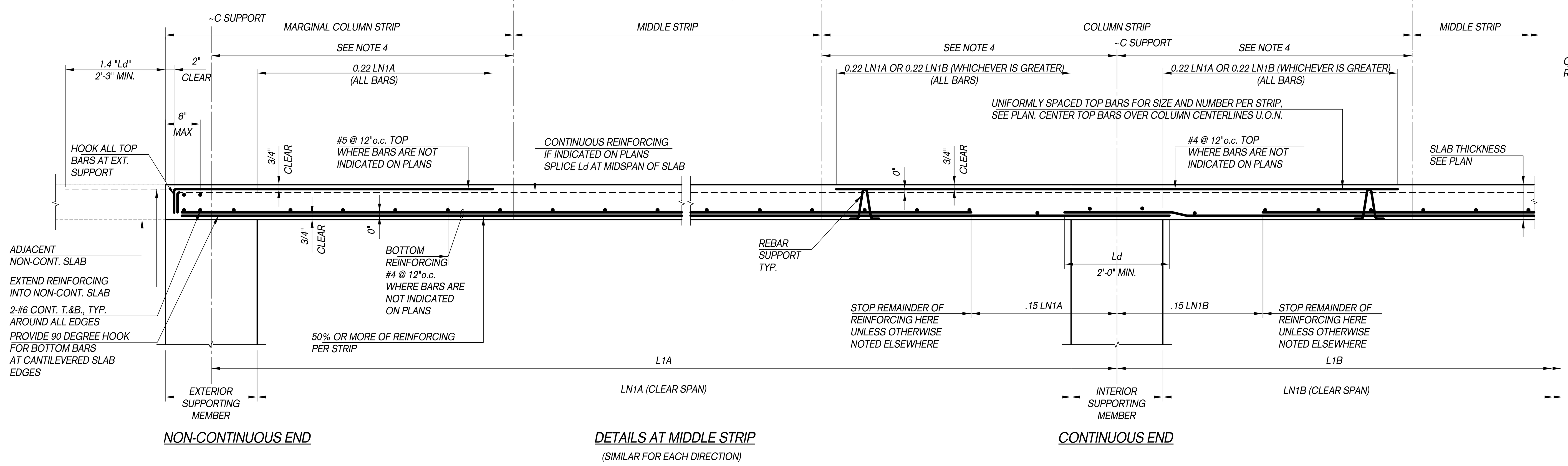




NOTES:

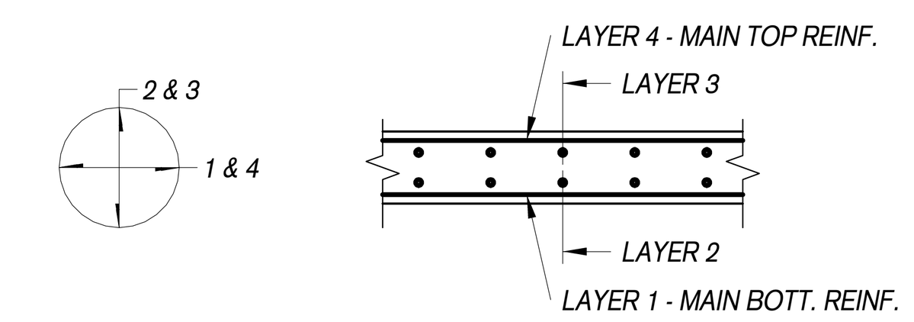
1. FOR SIZE AND NUMBER OF ALL TOP AND BOTTOM BARS, SEE PLANS AND/OR SCHEDULES.
2. DEVELOPMENT LENGTH Ld TO BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 12.
3. AT INTERIOR SUPPORTS LN1A AND LN1B IS THE CLEAR SLAB SPAN TO THE LEFT AND RIGHT OF SUPPORT.
4. COLUMN STRIP DIMENSIONS TO BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENT OF ACI 318, CHAPTER 13 UNLESS NOTED OTHERWISE ON PLANS.
5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING THE TYPE, SIZE, LOCATION AND FREQUENCY OF REBAR SUPPORTS AND THE MEANS AND METHODS TO ASSURE THAT THE REINFORCEMENT IS ACCURATELY PLACED AND IS ADEQUATELY SUPPORTED BEFORE CONCRETE IS PLACED, AND ADEQUATELY SECURED AGAINST DISPLACEMENT BY CONCRETE PLACEMENT OR CONSTRUCTION PERSONNEL.

TYPICAL FLAT SLAB DETAILS

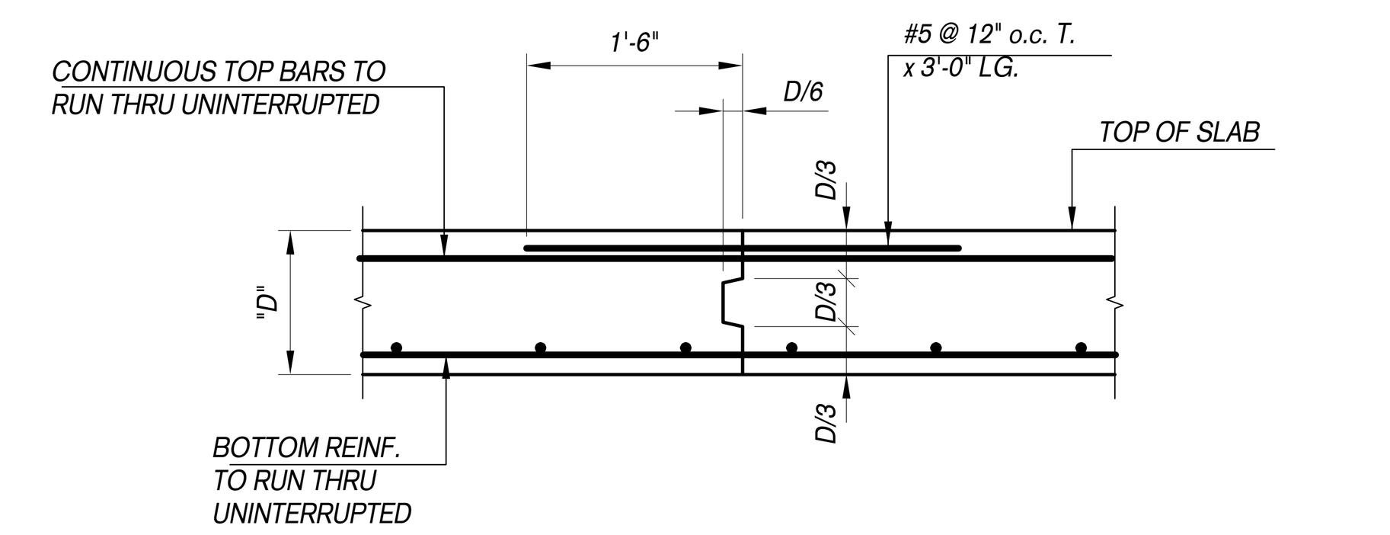
FLAT SLAB BAR MARK EXPLANATION FOR PLANS

MARK	DESCRIPTION: NUMBER OF BARS	DESCRIPTION: LOCATION	DESCRIPTION: SIZE
6B5	6 ADD'L	BOTTOM COLUMN STRIP	#5
7BM4	7 ADD'L	BOTTOM MIDDLE STRIP	#4
18 + 3T7	21*	TOP COLUMN STRIP	#7
12TM6	12	TOP MIDDLE STRIP	#6

* 18 BARS EVENLY PLACED IN THE TOP COLUMN STRIP WITH AN ADDTIONAL 3 BARS PLACED OVER COLUMN WIDTH + 3 TIMES SLAB THICKNESS.



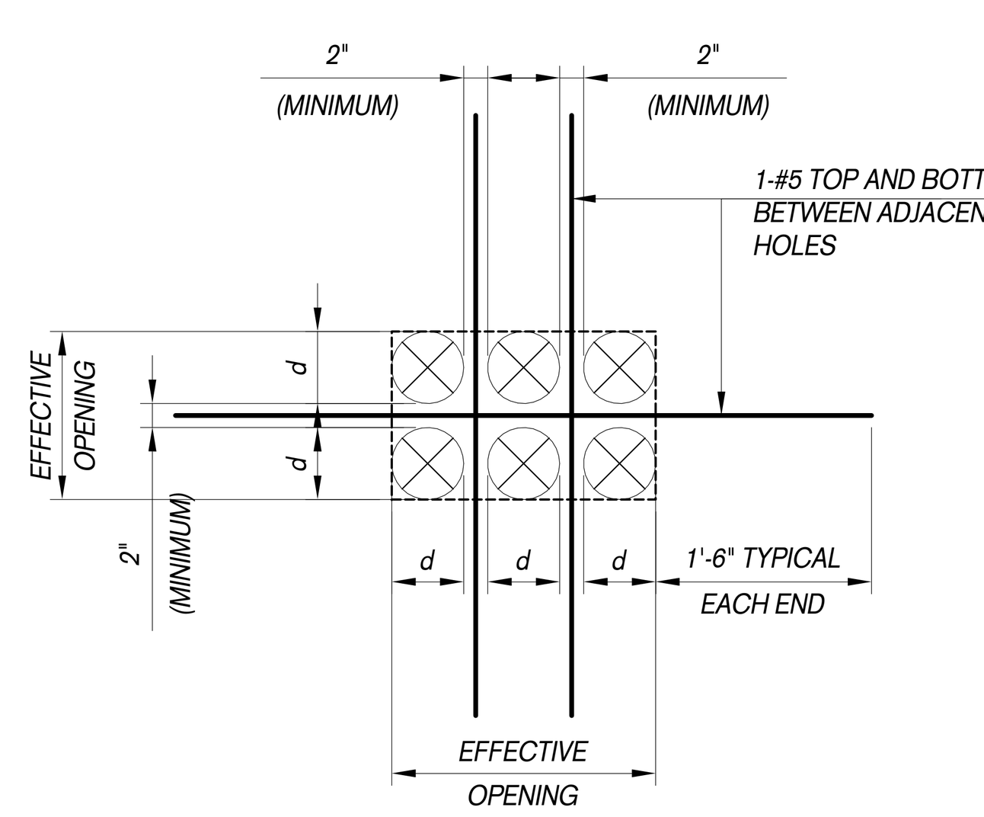
FLAT SLAB BAR PLACING ORDER



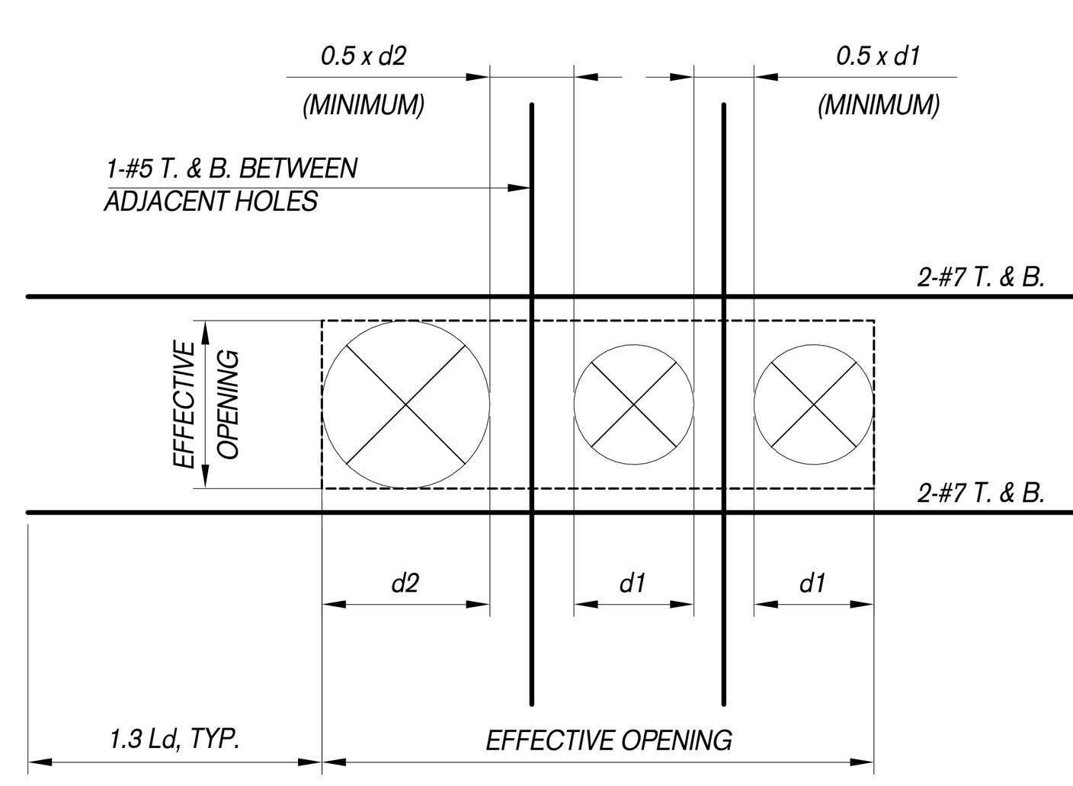
NOTES:

1. UNLESS OTHERWISE NOTED ELSEWHERE, LOCATE JOINTS MIDWAY BETWEEN COLUMN CENTERLINES.
2. UNLESS OTHERWISE NOTED ELSEWHERE, SPACING OF JOINTS SHALL NOT EXCEED 75'-0".
3. CONCRETE SLABS ARE NOT SELF SUPPORTING UNTIL BOTH SIDES OF JOINT HAVE BEEN PLACED
4. PROVIDE CONSTRUCTION JOINTS WHERE INDICATED ON THE CONTRACT DRAWINGS. WHERE NO CONSTRUCTION JOINTS ARE INDICATED, THE CONTRACTOR SHALL SUBMIT A PROPOSED LOCATION OF CONSTRUCTION JOINTS, SUBJECT TO THE REVIEW AND APPROVAL BY THE EOR.

TYPICAL FRAMED CONCRETE SLAB CONSTRUCTION JOINT DETAIL



MULTIPLE SLEEVES < 8" DIAMETER

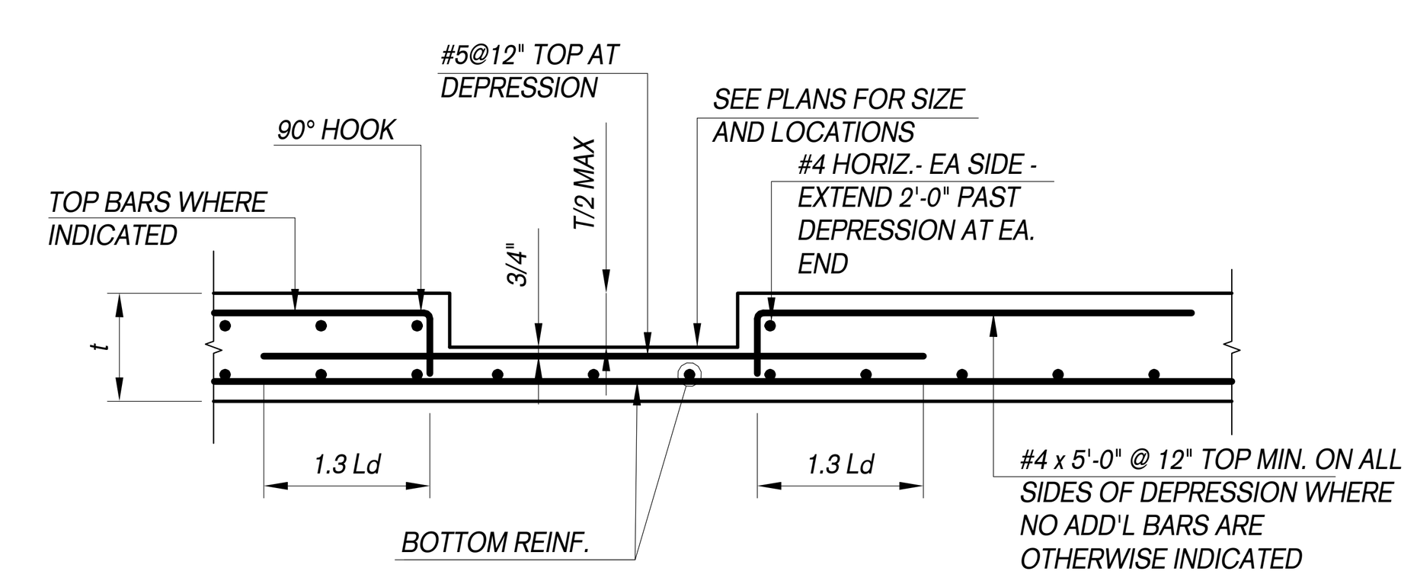


MULTIPLE SLEEVES > 8" DIAMETER

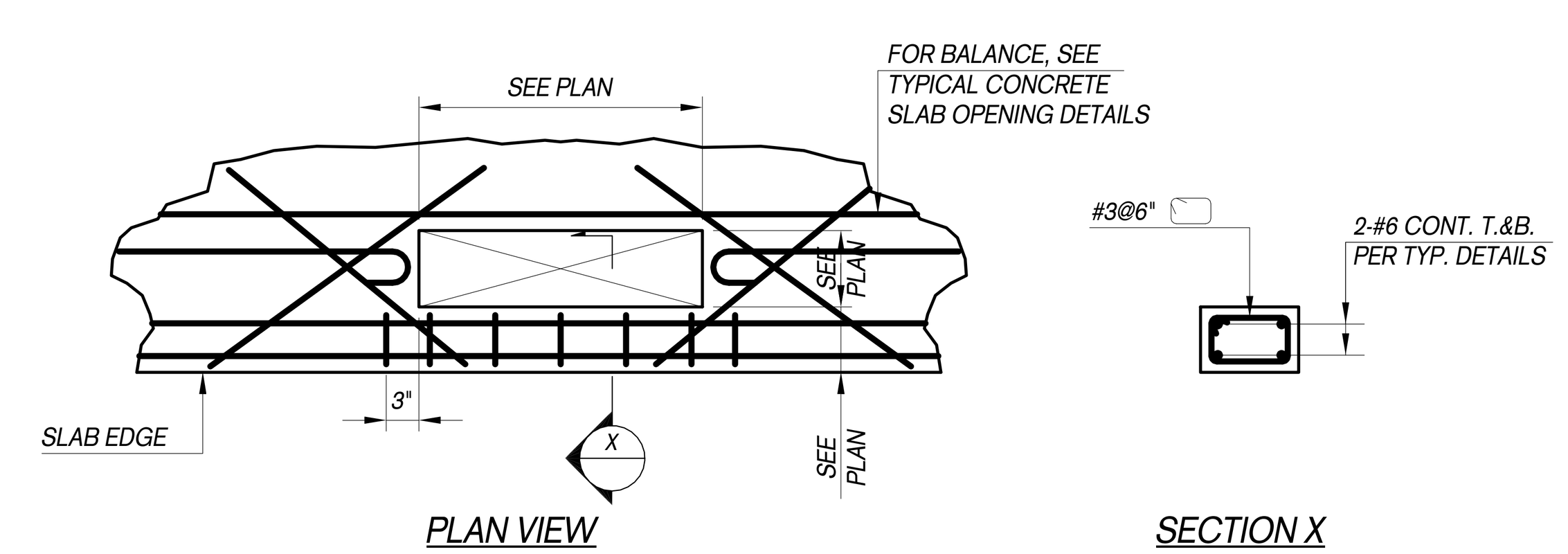
NOTES:

1. DETAIL APPLIES WHERE MULTIPLE SLEEVES ARE SPACED CLOSER THAN 4 x d.
2. PROVIDE REINFORCING AROUND EFFECTIVE OPENINGS PER THE "REINFORCING AT SLAB OPENING" DETAIL.
3. MULTIPLE SLAB OPENINGS SHALL BE 4'-0" (MIN.) AWAY FROM THE FACE OF COLUMNS, 1'-0" (MIN.) AWAY FROM SLAB EDGES, AND 1'-0" (MIN.) AWAY FROM EDGES OF ADJACENT SLAB OPENINGS.
4. REINFORCEMENT SHOWN IS IN ADDITION TO THAT FOR TYPICAL SLAB OPENINGS.

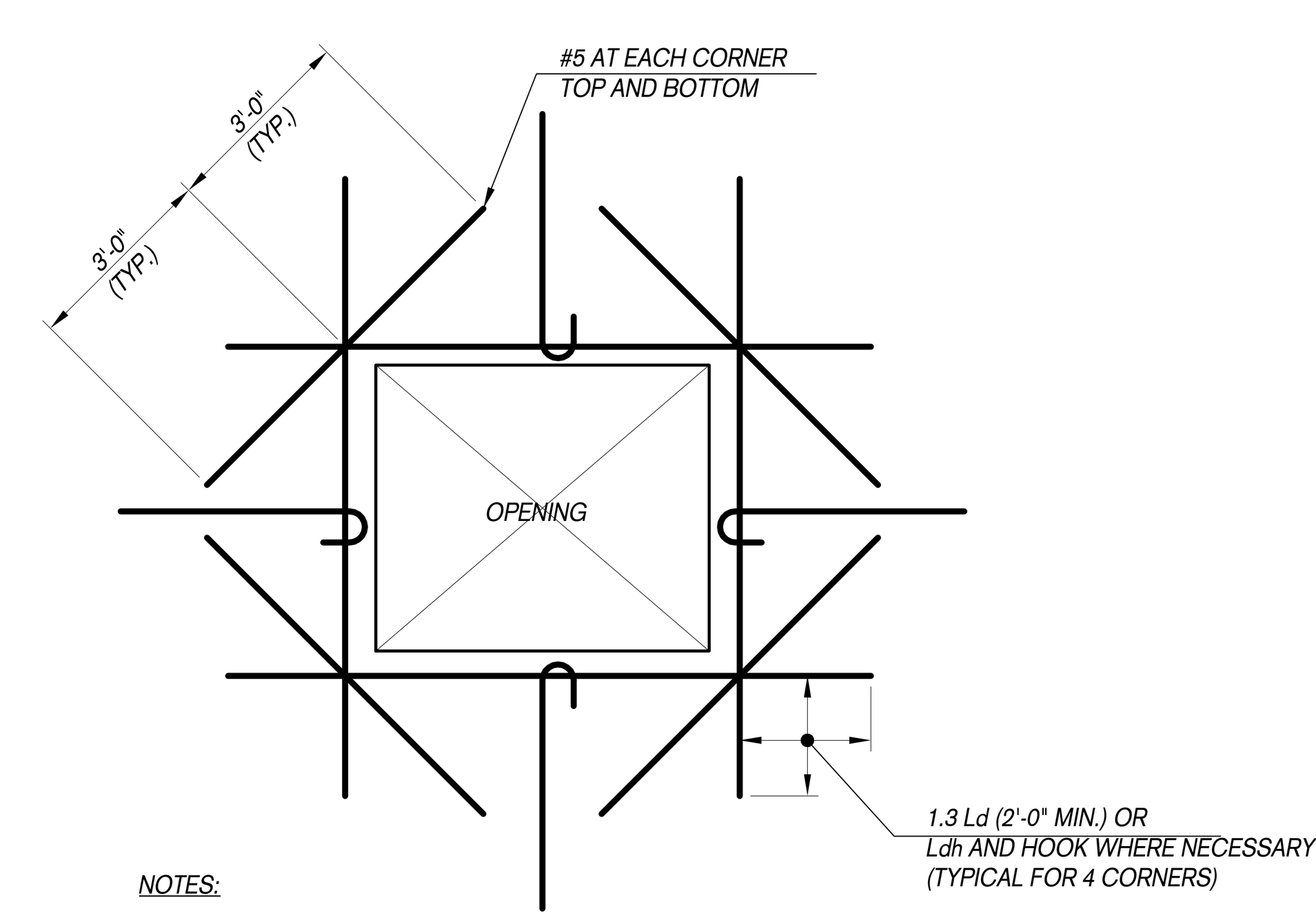
TYPICAL REINFORCING AT MULTIPLE SLAB OPENINGS



TYPICAL DETAIL AT SLAB DEPRESSION



TYPICAL DETAIL AT PENETRATION OCCURRING AT SLAB EDGE



NOTES:

1. HOOK ALL TOP BARS INTERRUPTED BY OPENING.
2. ONE HALF OF REINFORCING BARS INTERRUPTED BY OPENING SHALL BE PROVIDED EACH SIDE OF OPENING (SAME NUMBER AND SIZE) MINIMUM 1 - #5 TOP AND BOTTOM.
3. SLAB REINFORCING MAY BE SPREAD TO MISS OPENINGS BUT SPACING BETWEEN SLAB REINFORCING BARS SHALL NOT EXCEED 3 TIMES SLAB THICKNESS NOR 18".
4. DEVELOPMENT LENGTH Ld AND Ldh TO BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENT OF ACI 318, CHAPTER 12.
5. DO NOT CONSTRUCT OPENINGS THROUGH FLAT SLABS. IN AREAS COMMON TO TWO COLUMN STRIPS UNLESS OPENINGS ARE DIMENSIONED AND SPECIFICALLY DETAILED ON FRAMING PLANS.
6. SUBMIT SIZE AND LOCATION OF ALL PROPOSED OPENINGS NOT SHOWN ON FRAMING PLANS.
7. SEE GENERAL PLAN NOTES FOR BID ALLOWANCE.

TYPICAL CONCRETE SLAB OPENING DETAIL

TYPICAL CONCRETE DETAILS III

3/4" = 1'-0"

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
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Project:
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New York, NY 10036

Sheet Title:
TYPICAL CONCRETE DETAILS III

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: 3/4" = 1'-0"

Signature & Seal:

Sheet Number:
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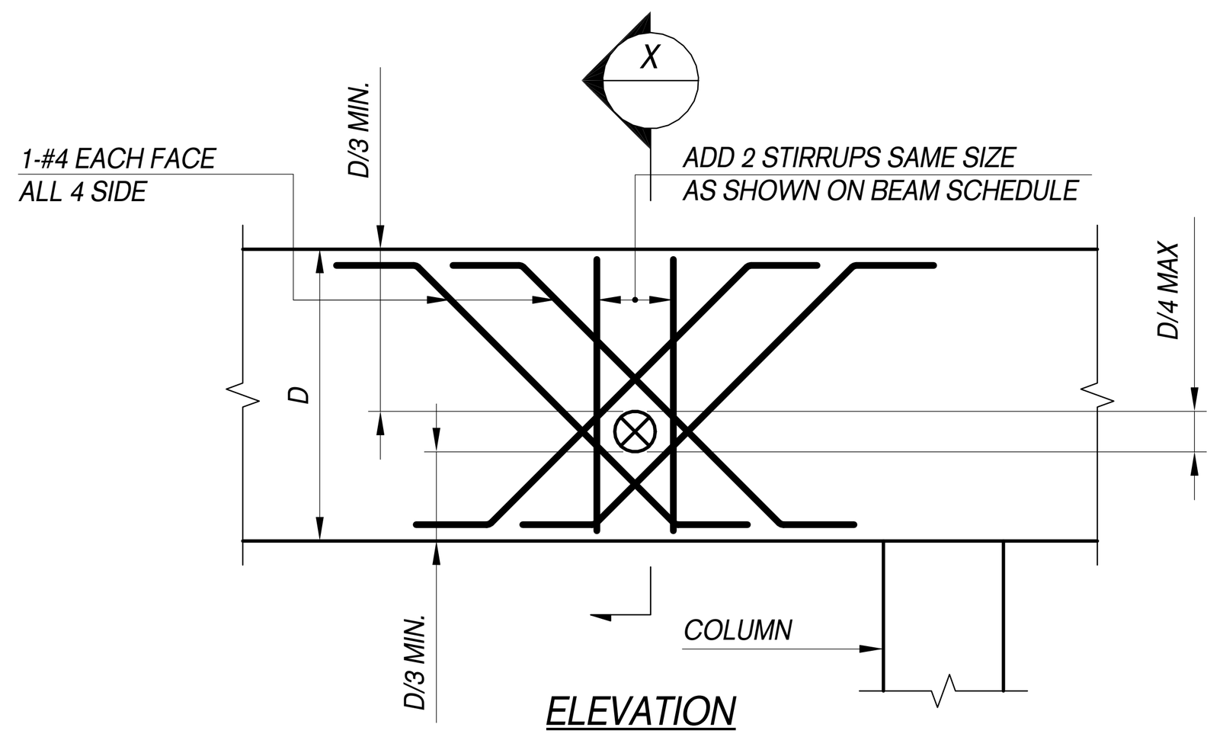
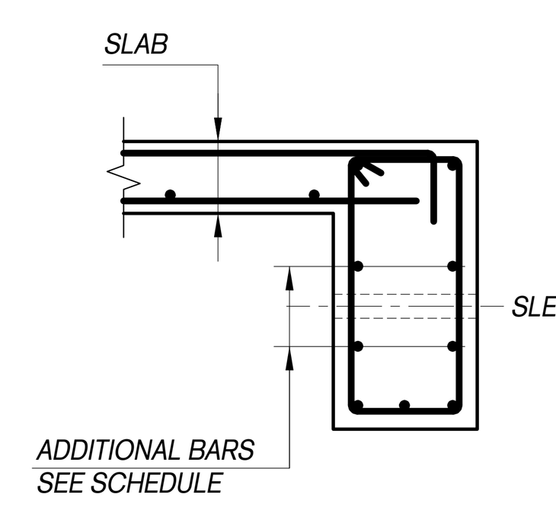
TYPICAL DETAIL FOR HORIZONTAL PENETRATIONS IN BEAMS



ELEVATION

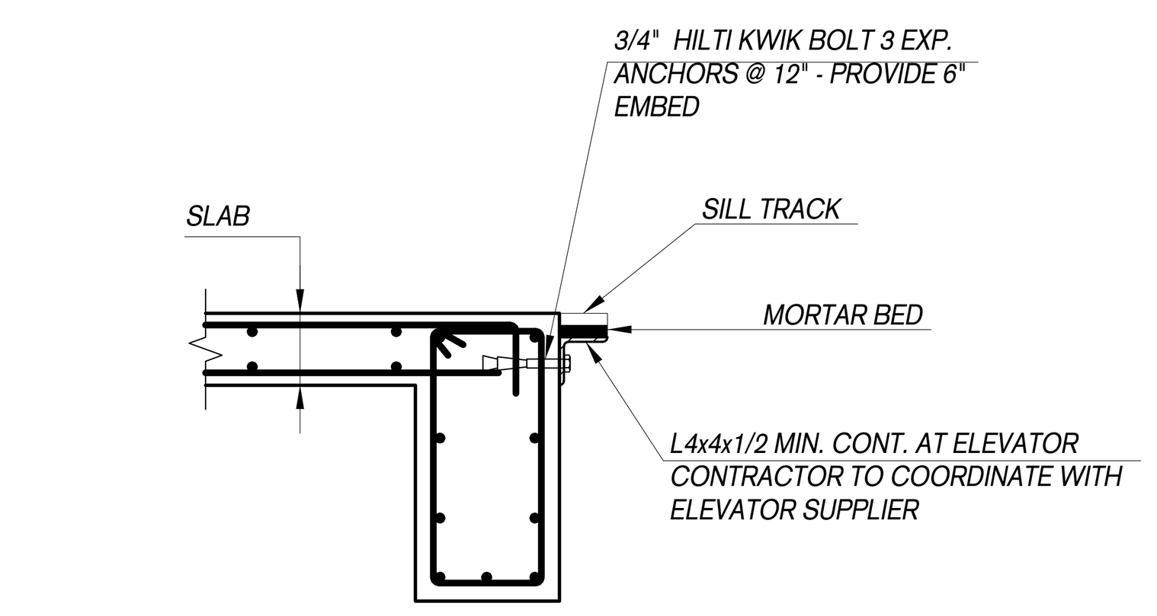


SECTION X

TYPICAL DETAIL FOR
HORIZONTAL PENETRATIONS IN BEAMS

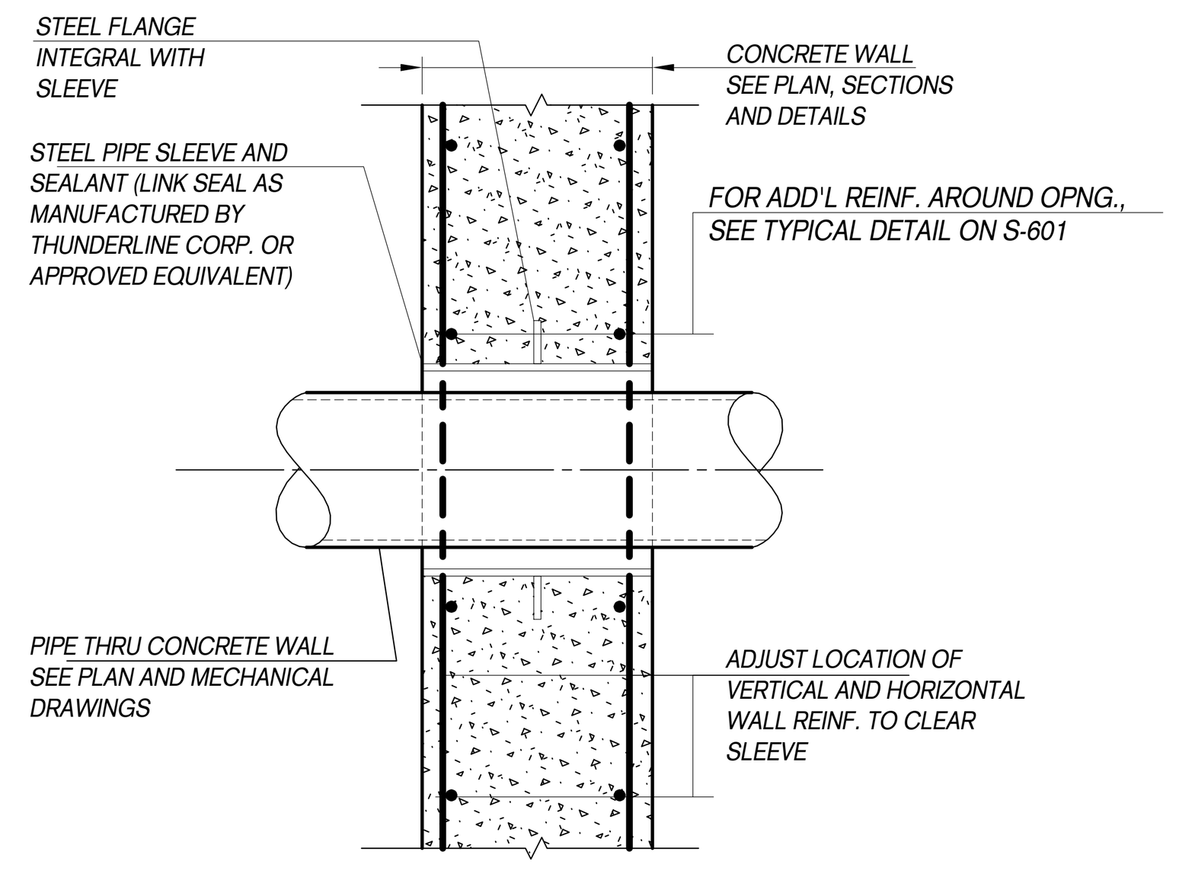
NOTES:

1. NO OPENING LARGER THAN D/4"Ø SHALL BE PERMITTED IN CONCRETE BEAMS UNLESS SPECIFICALLY INDICATED ON STRUCTURAL PLANS. ALL BEAM REINF. TO RUN THROUGH.
2. FOR BID, PROVIDE AN ALLOWANCE OF (50) 6"ø SLEEVE PENETRATIONS.



PLEASE NOTE: THE GC SHALL COORDINATE THESE DETAILS WITH THE ELEVATOR CONTRACTOR AND SUPPLIER.

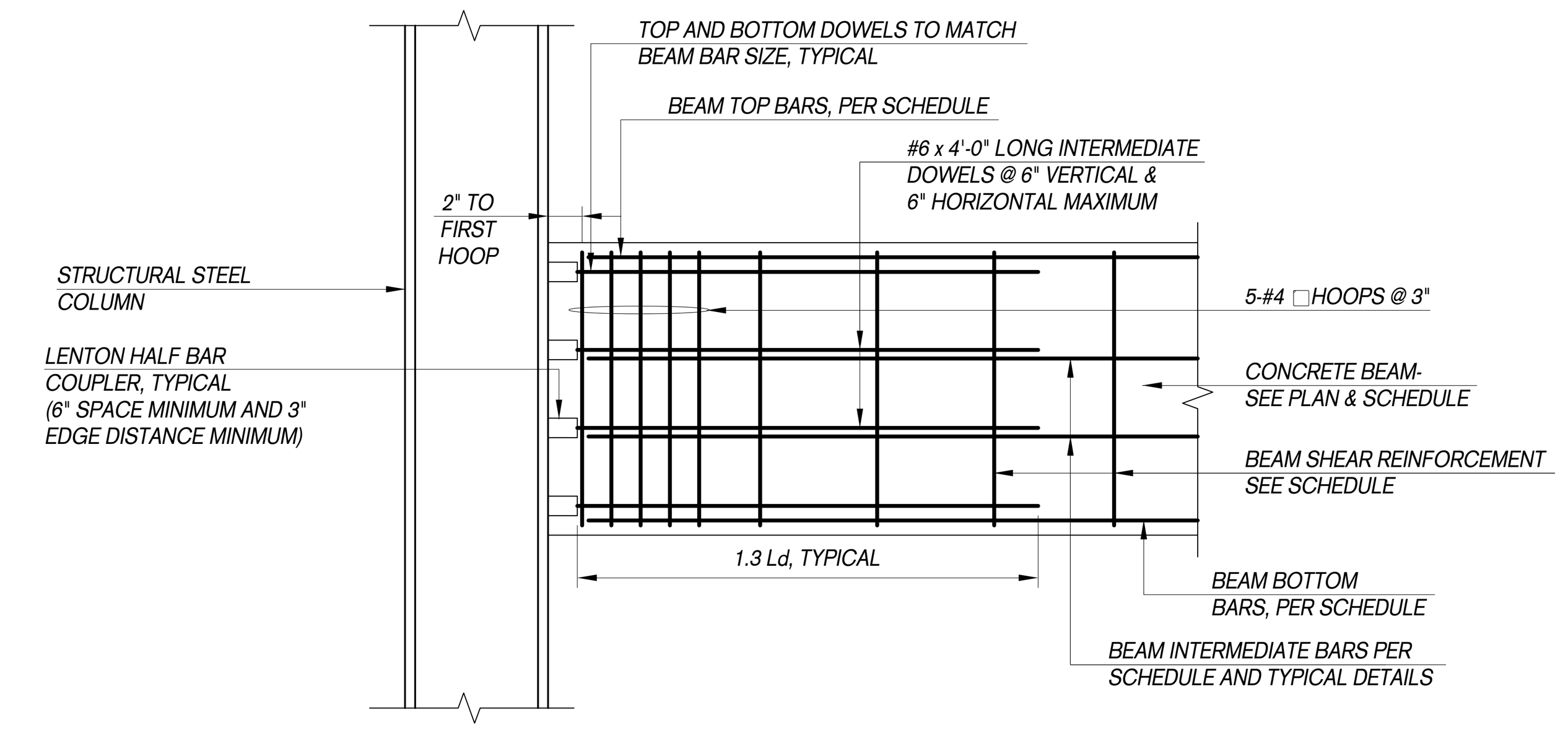
TYPICAL DETAIL AT ELEVATOR SILLS
@ CAST-IN-PLACE CONCRETE CONSTRUCTION



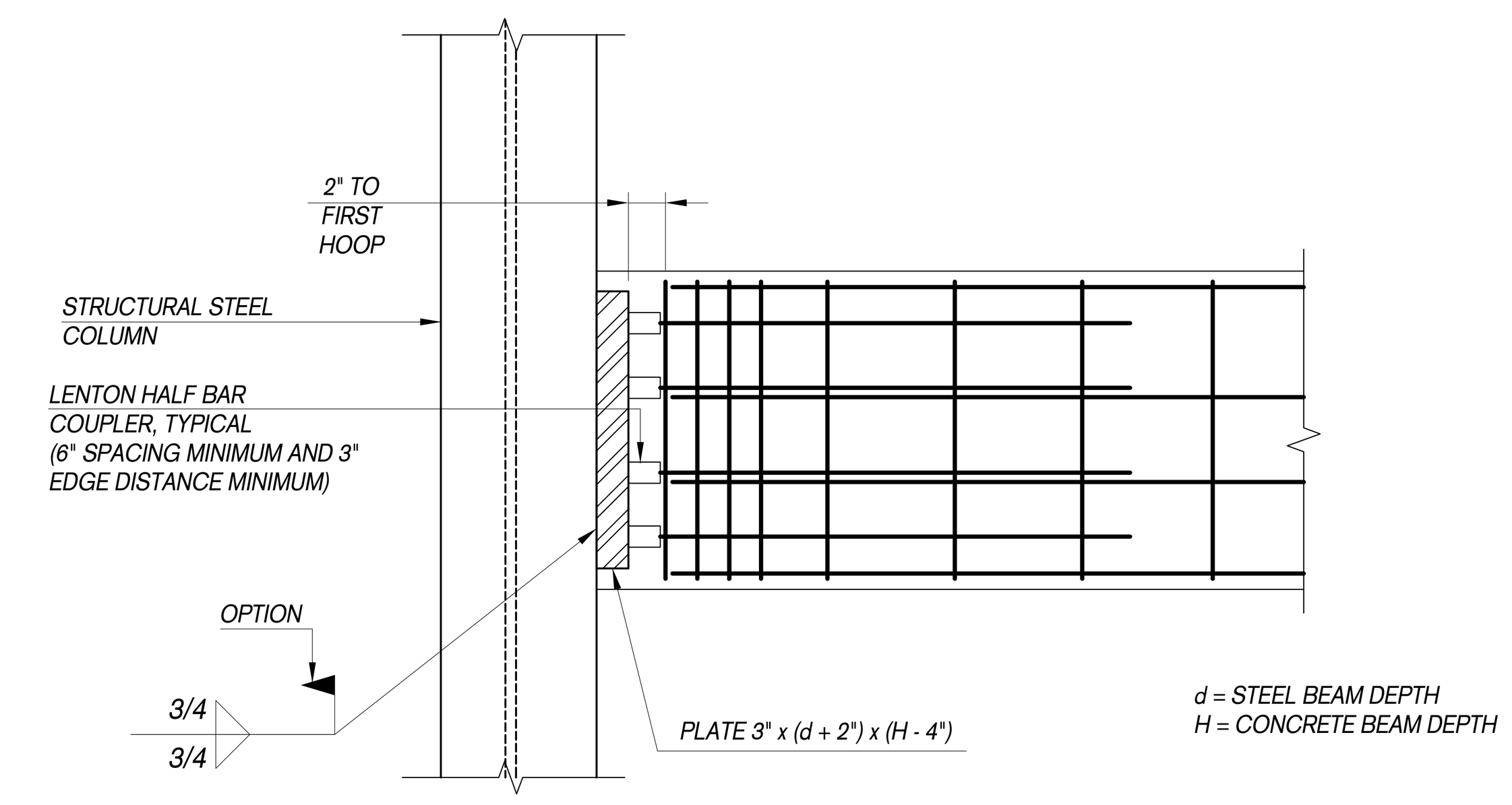
NOTES: 1. COORDINATE SIZE, NUMBER AND LOCATION OF ALL PIPES AND SLEEVES WITH MECHANICAL DRAWINGS.
2. DETAIL SHOWN IS FOR INDIVIDUAL SLEEVES. WHERE SLEEVES OCCUR IN GROUPS, STEEL FLANGES MAY BE COMBINED INTO SINGLE PIECE.
3. FOR BID, PROVIDE AN ALLOWANCE OF (50) 12"ø SLEEVE PENETRATIONS IN WALLS.

TYPICAL WALL SLEEVE DETAIL

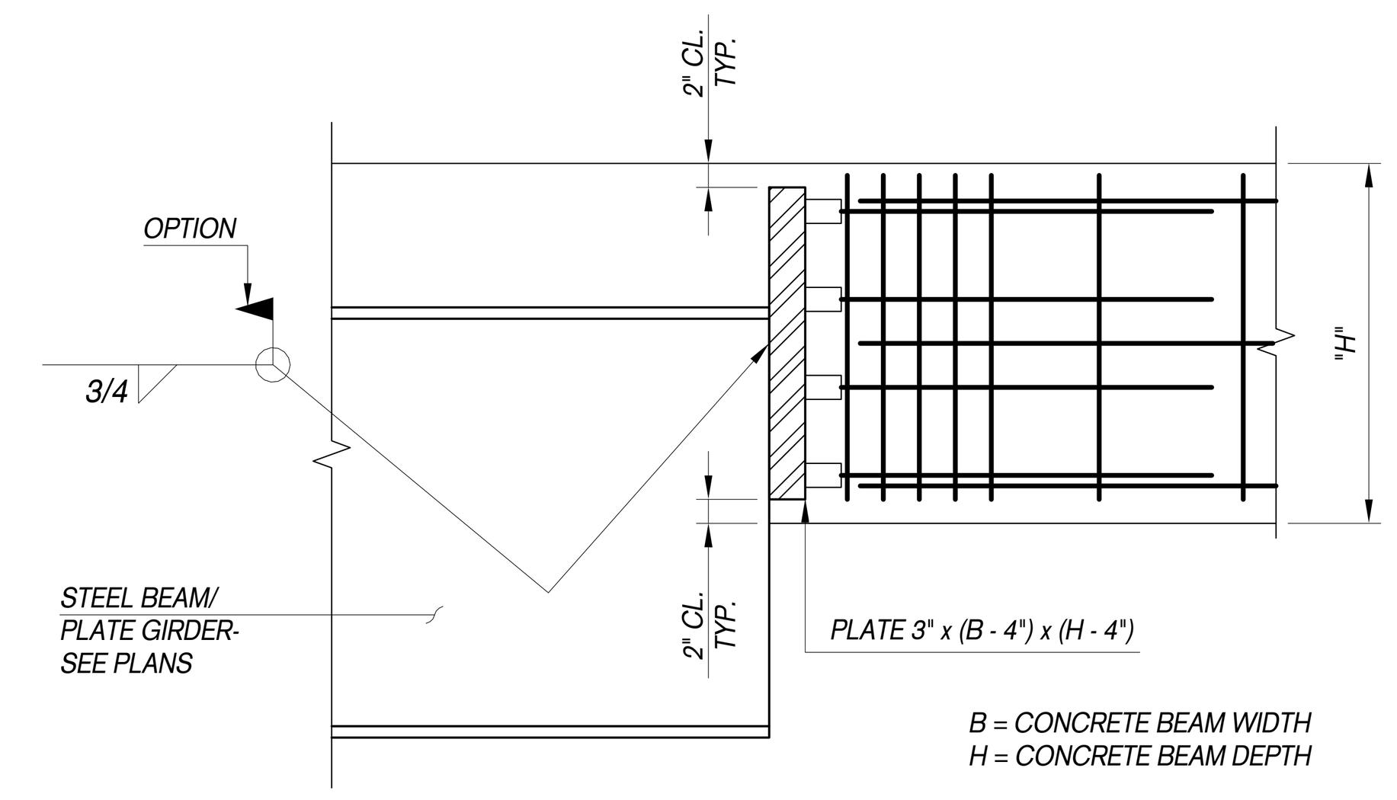
(BEAMS SIMILAR)



CONNECTION TO
STEEL COLUMN FLANGE



CONNECTION TO
STEEL COLUMN WEB



NOTE:

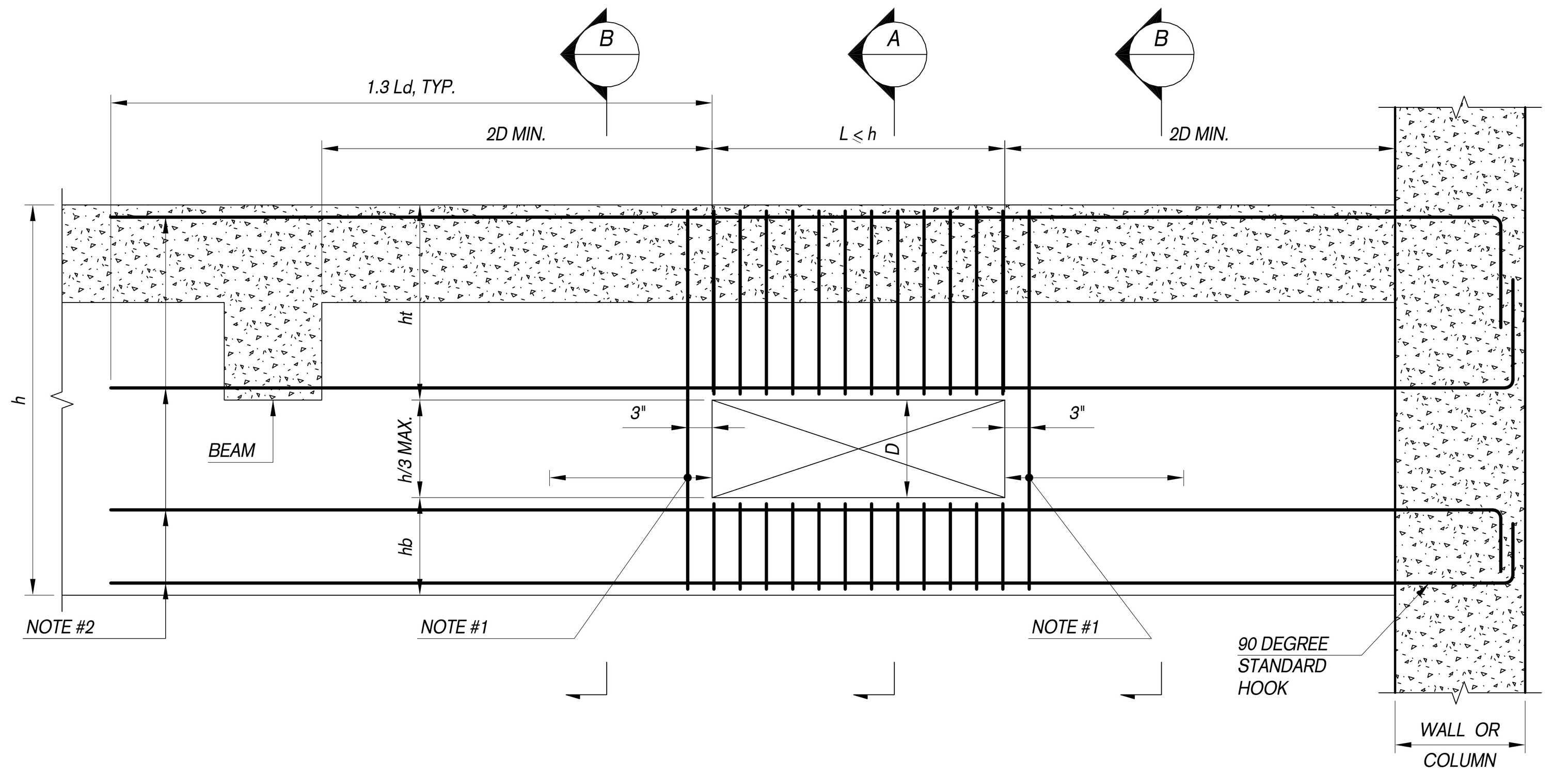
1. FOR BALANCE, SEE CONNECTION TO STEEL COLUMN.

CONNECTION TO
STEEL BEAM

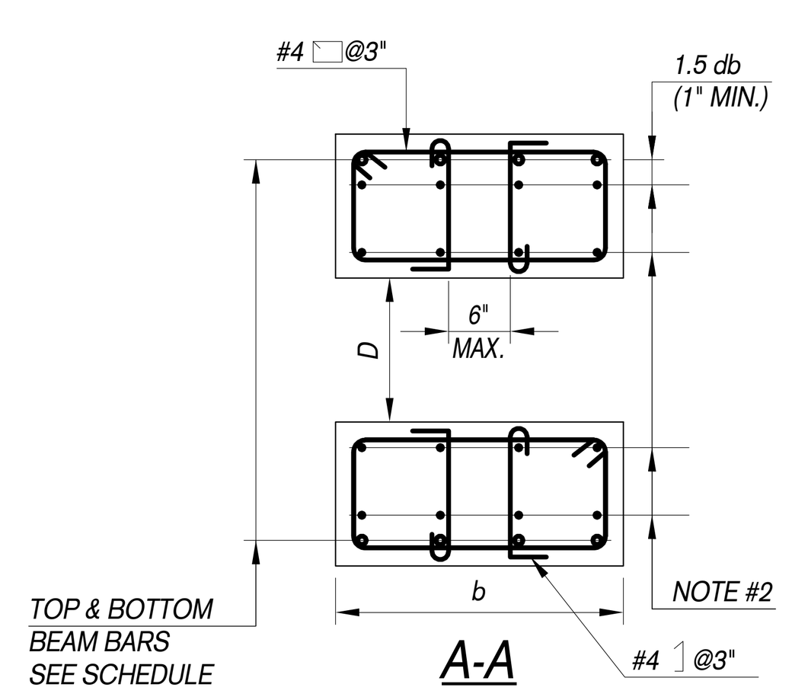
TYPICAL CONCRETE BEAM TO
STRUCTURAL STEEL CONNECTION DETAILS

NOTES:

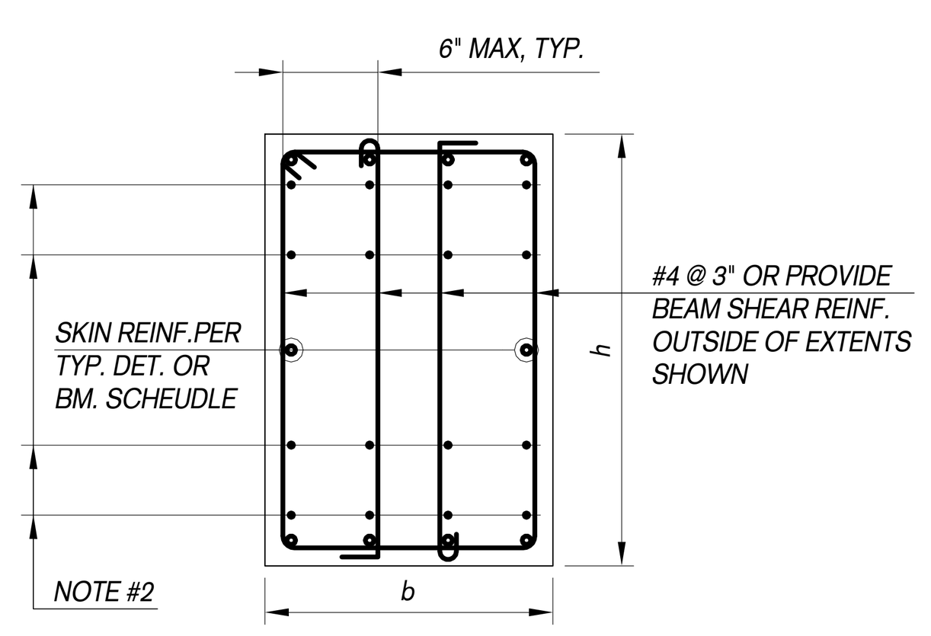
1. PROVIDE SHEAR REINF. PER SECTION B-B WITHIN AN EXTENT OF 2 x D.
2. PROVIDE ADDITIONAL TOP AND BOTTOM BARS ABOVE AND BELOW OPENING WITH AN AREA OF STEEL EQUAL TO: $As = 0.3 \times \frac{b \times h}{fy}$ (b & h IN INCHES, fy IN KSI, AND As IN in^2).
3. ● INDICATES BEAM REINF. - SEE SCHEDULES.
   • INDICATES ADDITIONAL REINF. FOR THIS DETAIL.
4. BALANCE OF BEAM, COLUMN AND WALL REINF. IS NOT SHOWN FOR CLARITY.
5. FOR OPENINGS, REFER TO PLANS; OPENINGS ARE SHOWN THUS ▷◁ ON PLAN.
6. FOR BID, PROVIDE AN ALLOWANCE FOR (50) 18"D x 54"W OPENINGS IN A 28"W x 54"D CONCRETE BEAM.
7. Hb AND Ht SHALL BE H/3 MINIMUM.



TYPICAL DETAIL FOR DUCT
PENETRATIONS THROUGH CONCRETE BEAMS



A-A



B-B

TYPICAL CONCRETE DETAILS IV

3/4" = 1'-0"

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Mancini Duffy | Architect of Record
275 Seventh Avenue
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Project:
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New York, NY 10036

Sheet Title:
TYPICAL CONCRETE DETAILS IV

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: 3/4" = 1'-0"
Signature & Seal:

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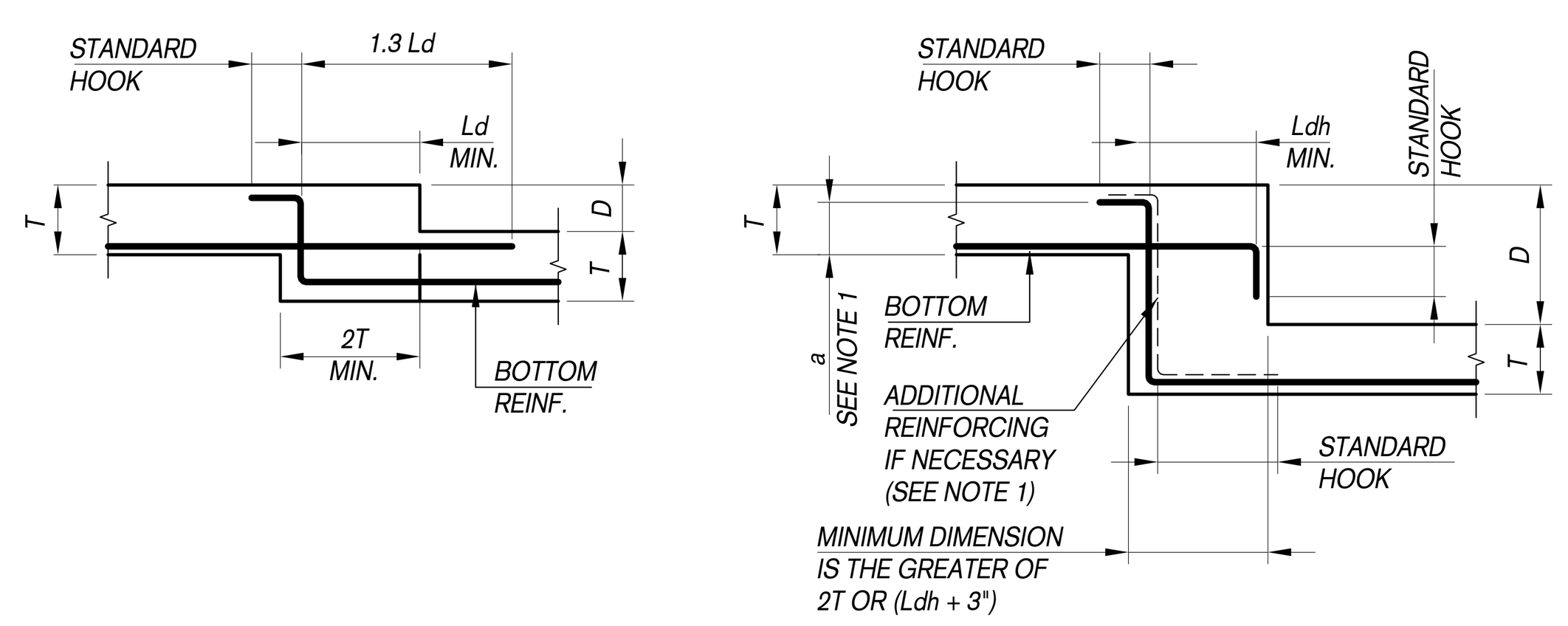


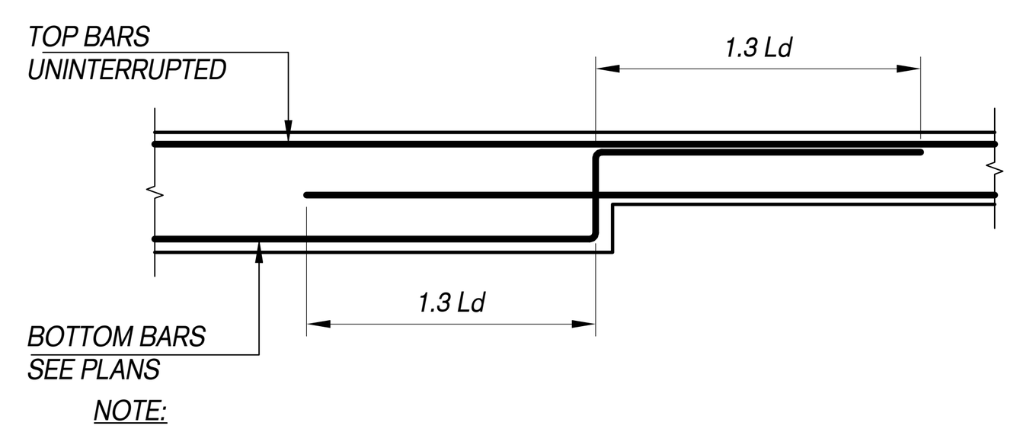
D LESS THAN OR EQUAL TO T - 3"

D GREATER THAN OR EQUAL TO T - 3"

NOTES:

1. IF DIMENSION "a" IS LESS THAN Ldh, PROVIDE ADDITIONAL REINFORCING OF SAME SIZE SUCH THAT THE TOTAL AMOUNT OF REINFORCING IS INCREASED BY THE FACTOR (Ldh/a).
2. DEVELOPMENT LENGTH Ld AND Ldh TO BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 12.
3. WHERE TOP REINFORCING OCCURS, PROVIDE SIMILAR DETAIL.

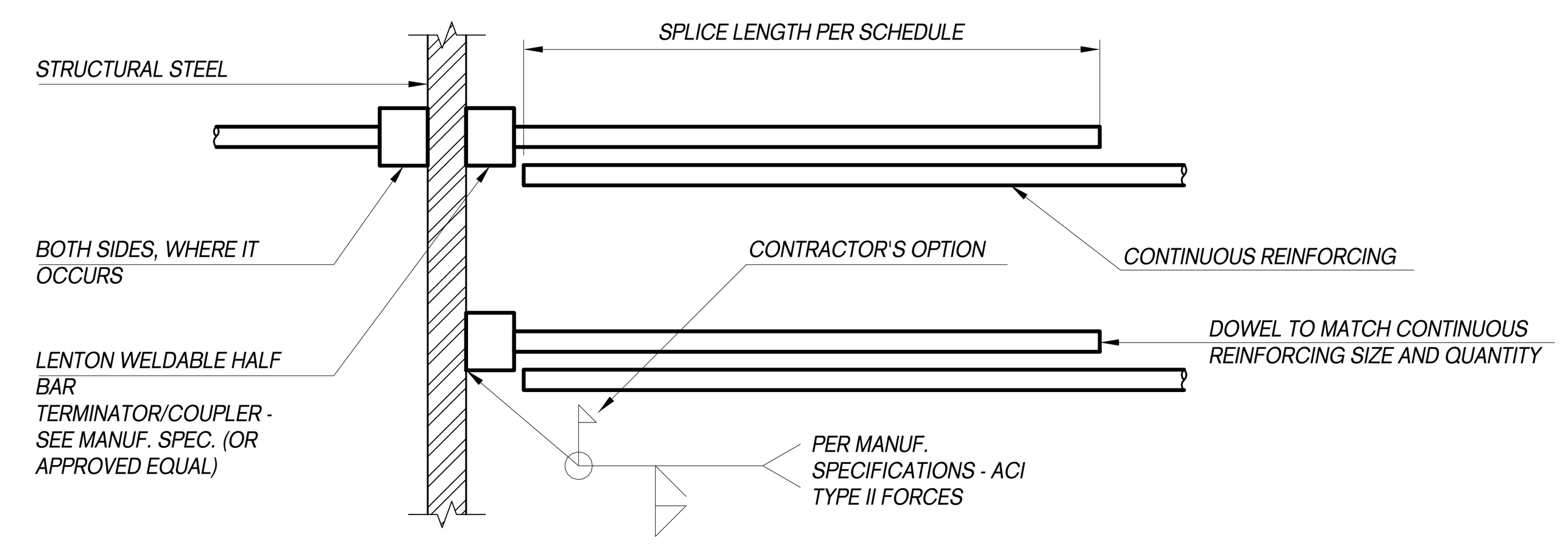
TYPICAL CHANGE IN SLAB ELEVATION DETAIL



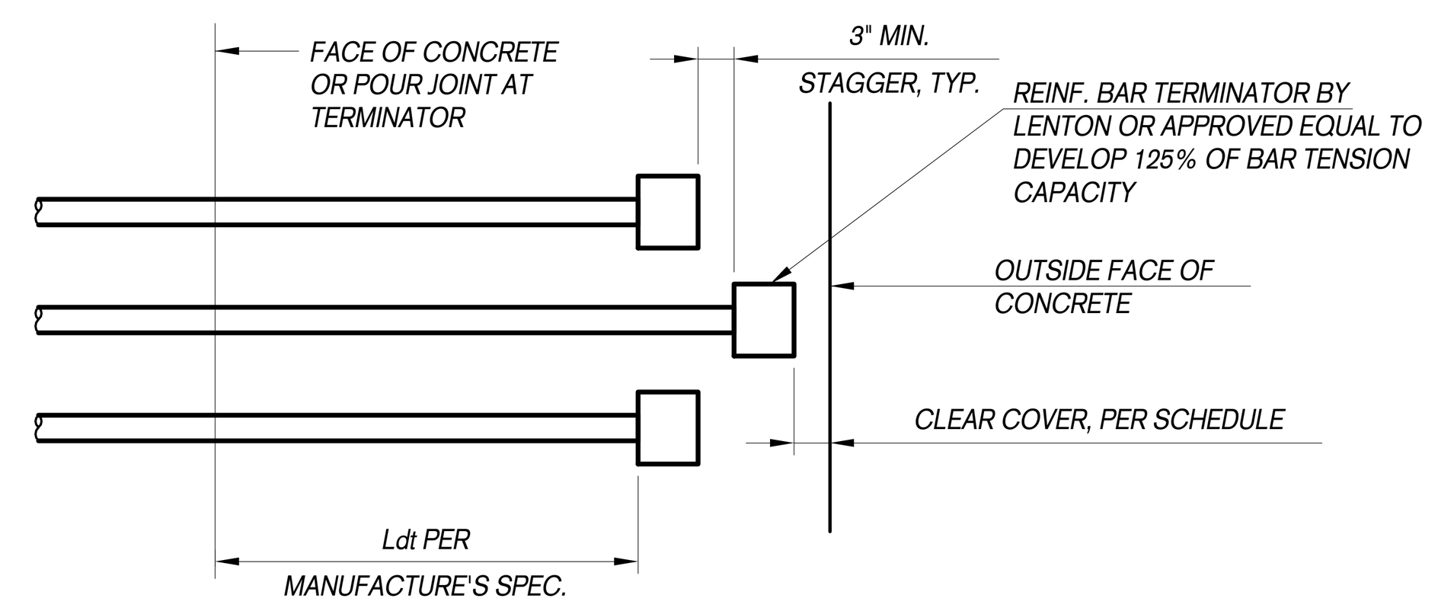
NOTE:

1. DEVELOPMENT LENGTH Ld TO BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 12.

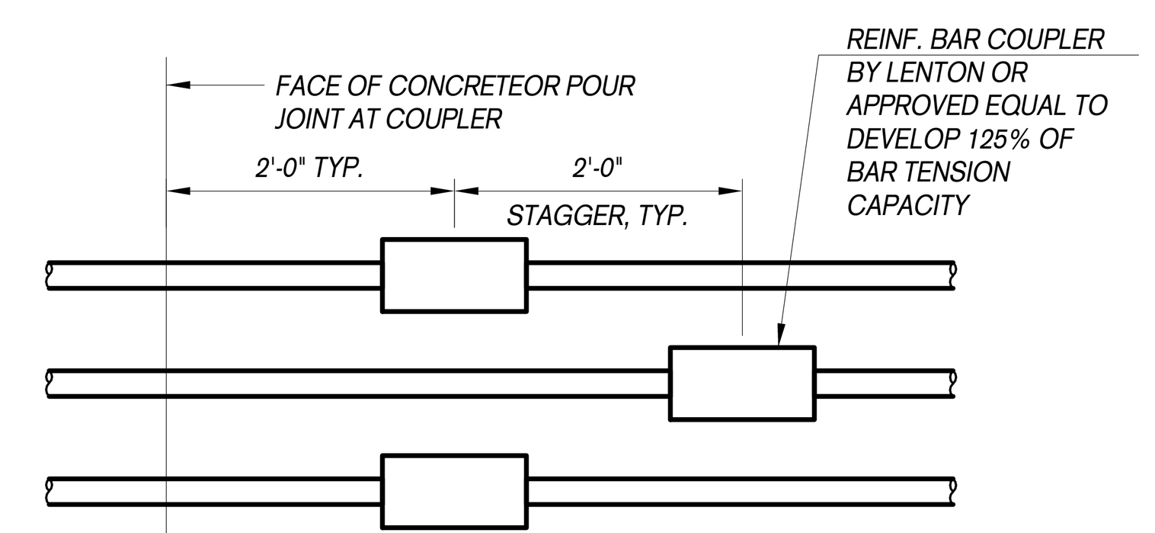
TYPICAL CHANGE IN SLAB DEPTH DETAIL



TYPICAL DETAIL AT WELDABLE HALF REINFORCING BAR TERMINATOR/COUPLER



TYPICAL STAGGER AT BAR TERMINATOR DETAIL



TYPICAL STAGGER AT BAR COUPLER DETAIL

STANDARD HOOK DEVELOPMENT LENGTH (Ldh) TABLE (LENGTH IN INCHES)

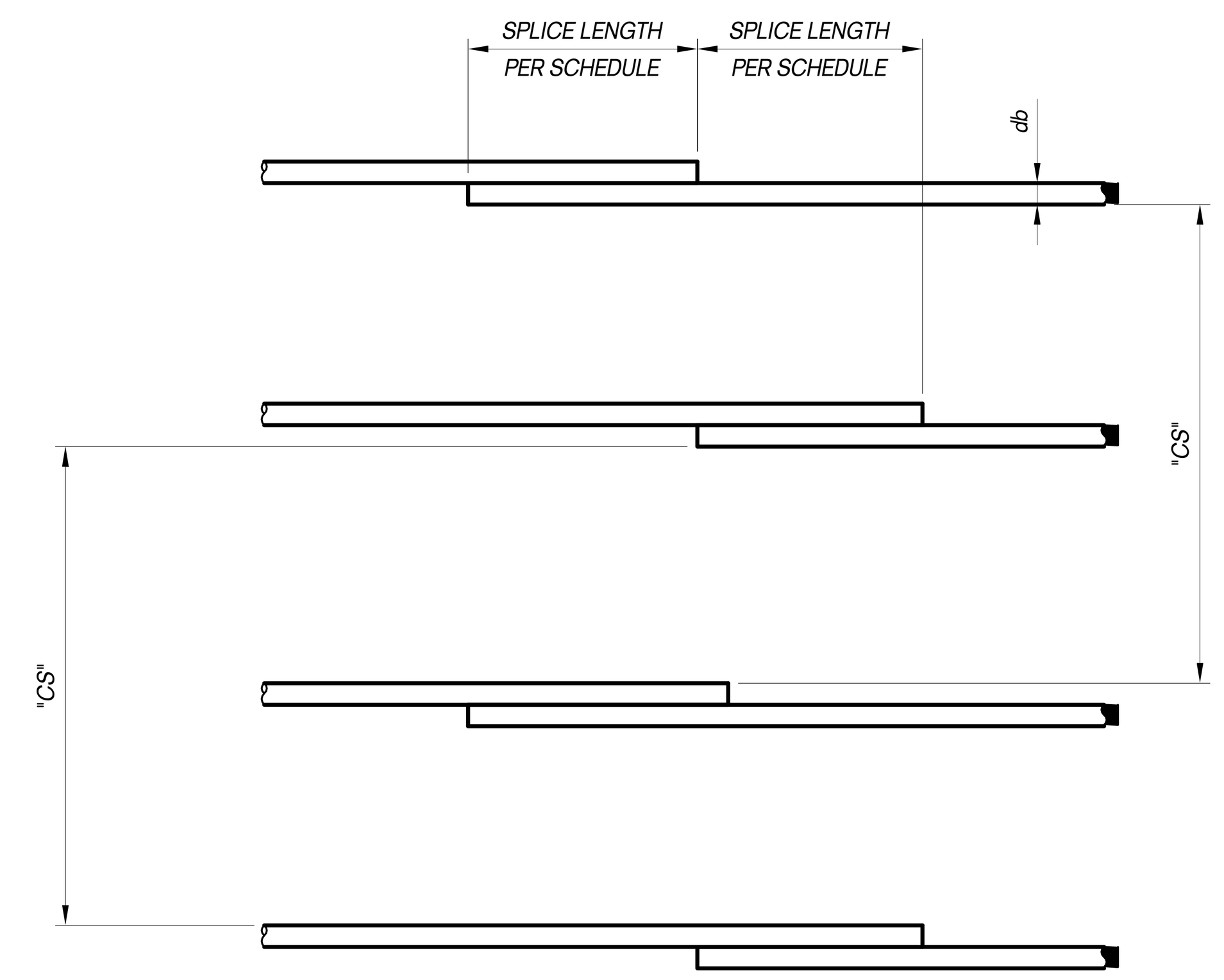
BAR SIZE	fy (ksi)	CONCRETE STRENGTH (f'c)							
		3 ksi	4 ksi	5 ksi	6 ksi	7 ksi	8 ksi	9 ksi	>= 10 ksi
3	60	9	8	7	6	6	6	6	6
4	60	11	10	9	8	8	7	7	7
5	60	14	12	11	10	9	9	8	8
6	60	17	15	13	12	11	11	10	9
7	60	20	17	15	14	13	12	12	11
8	60	22	19	17	16	15	14	13	12
9	60	25	22	20	18	17	16	15	14
10	60	28	25	22	20	19	18	17	16
11	75	39	34	30	28	26	24	23	22

NOTES: STANDARD HOOK DEVELOPMENT LENGTH TABLE

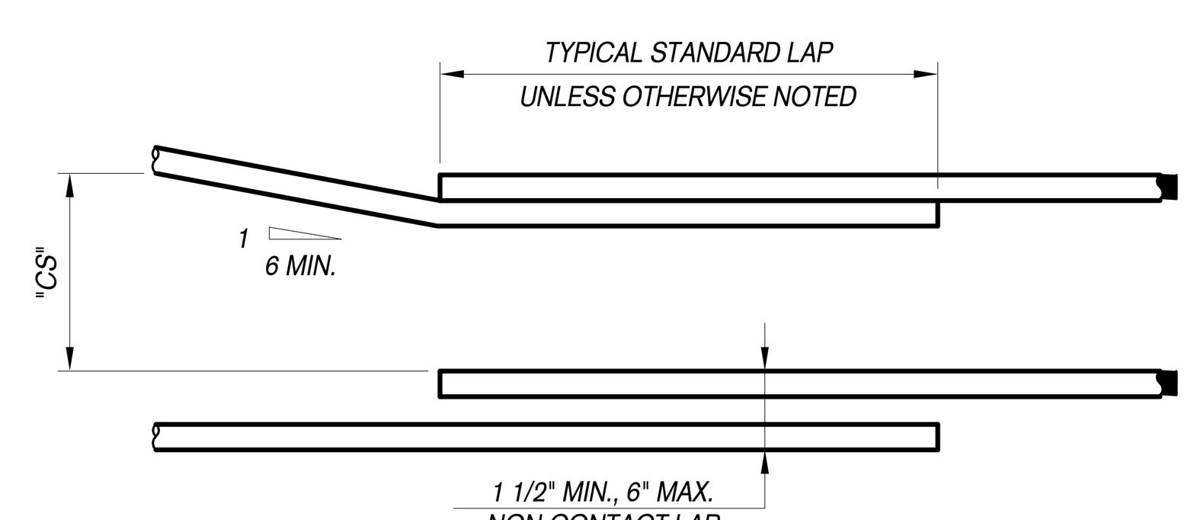
1. LENGTHS SHOWN IN TABLE ABOVE ARE APPLICABLE FOR STANDARD HOOKED BARS OCCURRING UNDER THE FOLLOWING CONDITIONS:
   - GRADE 60 REINFORCING STEEL (U.N.O.)
   - NORMAL WEIGHT CONCRETE
   - MINIMUM BAR SPACING REQUIREMENT
     -- CLEAR SPACING BARS AT BAR LOCATION ≥ BAR DIA. AND CLEAR COVER TO BARS ≥ BAR DIA. AND TIES OR STIRRUPS OCCURRING PER CODE SPACING WITHIN LENGTH OF DEVELOPMENT
     "OR"
     -- CLEAR SPACING BETWEEN BARS AT LOCATION ≥ 2 x BAR DIA. AND CLEAR COVER ≥ BAR DIA.
2. INDICATED DEVELOPMENT LENGTH SHALL BE INCREASED BY THE FOLLOWING FACTORS WHERE THE FOLLOWING CONDITIONS OCCUR:

CONDITION	SPLICE LENGTH MULTIPLIER*
BAR SPACING OR CLEAR LESS THAN REQUIRED PER NOTE #1	1.5
LIGHTWEIGHT CONCRETE	1.3
EPOXY COATED REINF. WITH COVER < 3xBAR DIA. AND CLEAR SPACING < 6xBAR DIA.	1.5
ALL OTHER EPOXY COATED BARS	1.2

* WHERE MULTIPLE CONDITIONS OCCUR, APPLY EACH OF THE APPLICABLE FACTORS TO THE BASIC DEVELOPMENT LENGTHS TO OBTAIN THE REQUIRED DEVELOPMENT LENGTH.



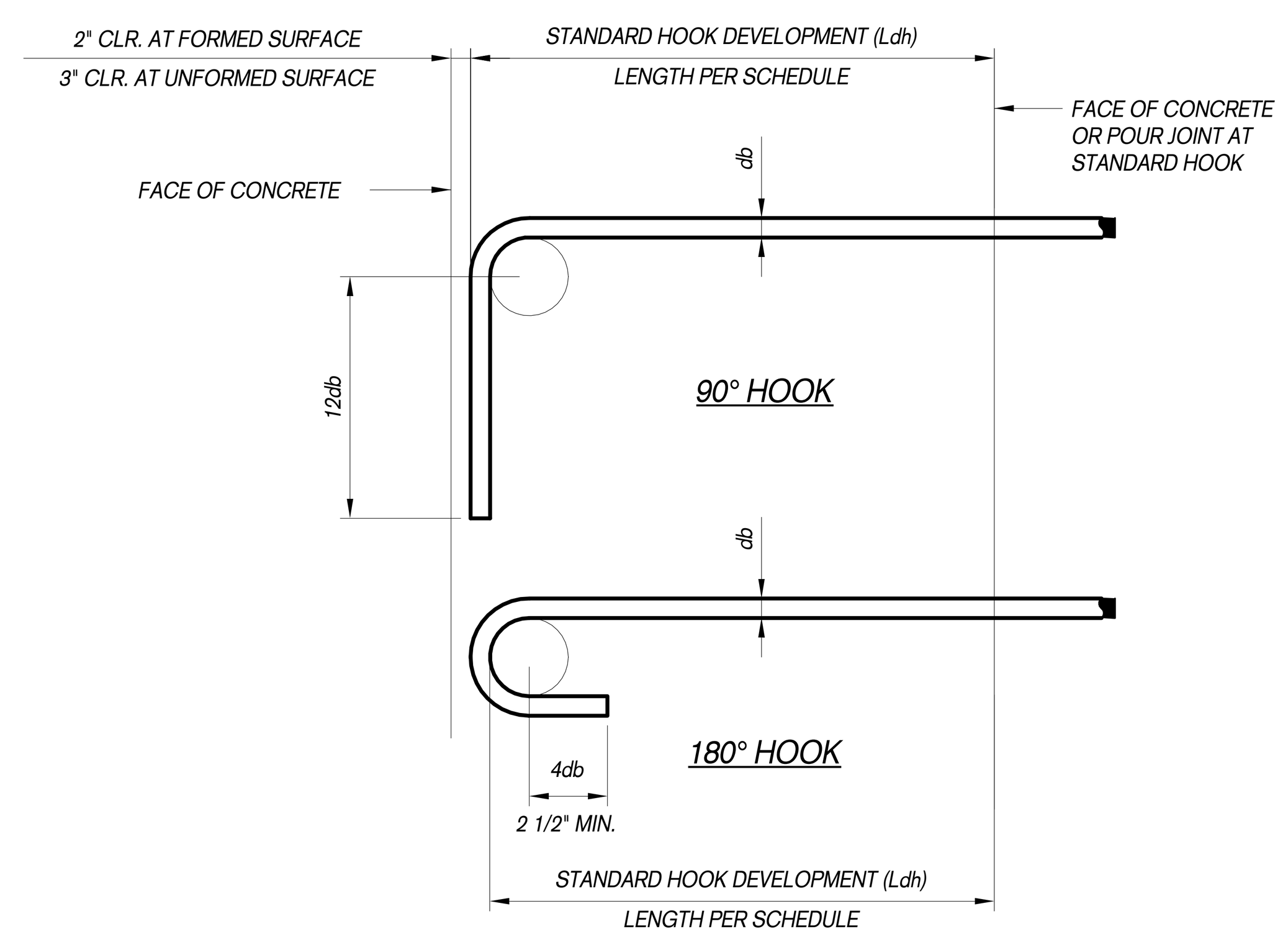
TYPICAL STAGGERED LAP SPLICE DETAIL



TYPICAL LAP SPLICE DETAIL

REINFORCING SPLICE NOTES:

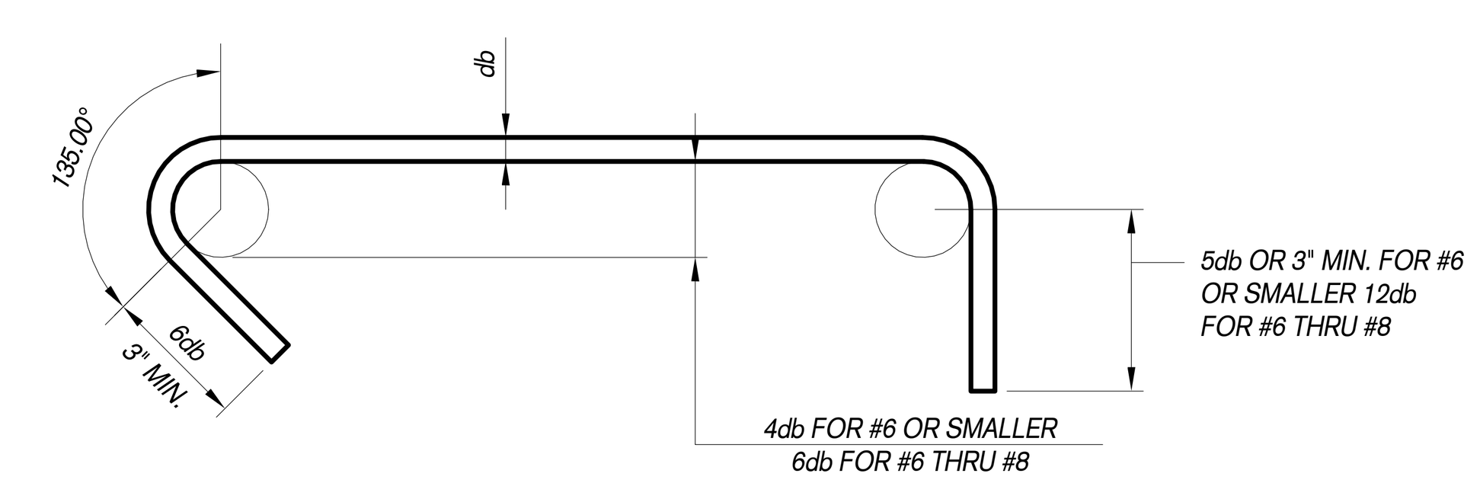
1. DEVELOPMENT AND LAP SPLICE LENGTHS ARE IN ACCORDANCE WITH ACI 318-08 PER SCHEDULE. LENGTHS ARE MAXIMUM FROM CHAPTER 12 (NON-SEISMIC ELEMENTS).
2. FOR LAP SPLICE LENGTH SCHEDULE, SEE S-701 (GENERAL NOTES).
3. NOT ALL SPLICES ARE SHOWN ON THE CONTRACT DRAWINGS AND SHALL BE AT THE CONTRACTOR'S DISCRETION (PENDING EOR REVIEW AND APPROVAL). ALL SPLICES SHALL BE TENSION LAP SPLICES (1.3 Ld).



NOTES:

1. ALL HOOKED BARS SHALL EXTEND TO THE FACE OF CONCRETE, AS MUCH AS PRACTICAL, WITH 2" MINIMUM END COVER AND DEVELOPMENT NOT LESS THAN THE LENGTH IN THE SCHEDULE.
2. PROVIDE 2 1/2" MINIMUM CONCRETE SIDE COVER.

STANDARD HOOKS FOR BARS

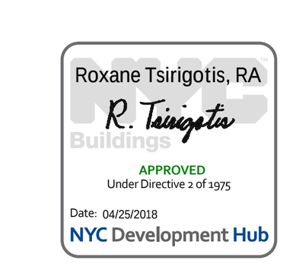


STANDARD HOOKS FOR TIES AND STIRRUPS

TYPICAL HOOKED BAR DETAILS

TYPICAL CONCRETE DETAILS V

3/4" = 1'-0"



PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

Design 2147 Limited | Code Consultant
52 Diamond Street, Brooklyn, NY 11222
718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

Theatre Projects Consultants | Theater Consultant
47 Water Street
South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

Fisher Marantz Stone | Lighting Design
22 West 19th Street, Floor 6
New York, NY 10011
212 691 3020 | fmsp.com

Jaffe Holden | Acoustic Consultant
114-A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

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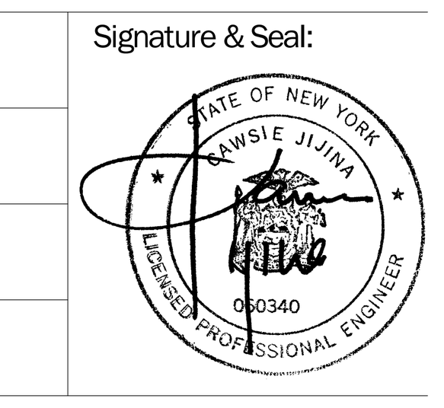
11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway
New York, NY 10036

Sheet Title:
TYPICAL CONCRETE DETAILS V

Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: 3/4" = 1'-0"

Signature & Seal:



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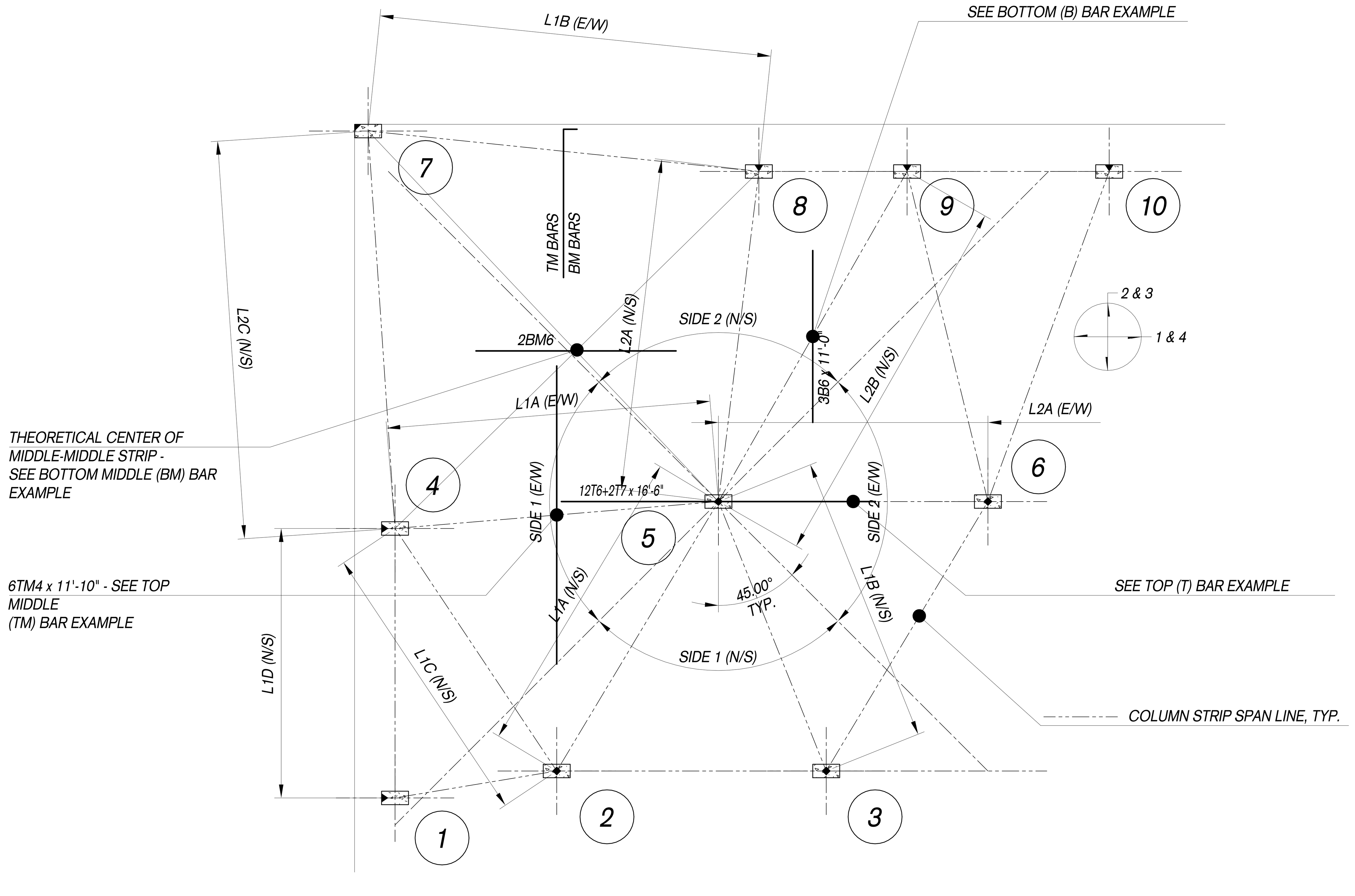
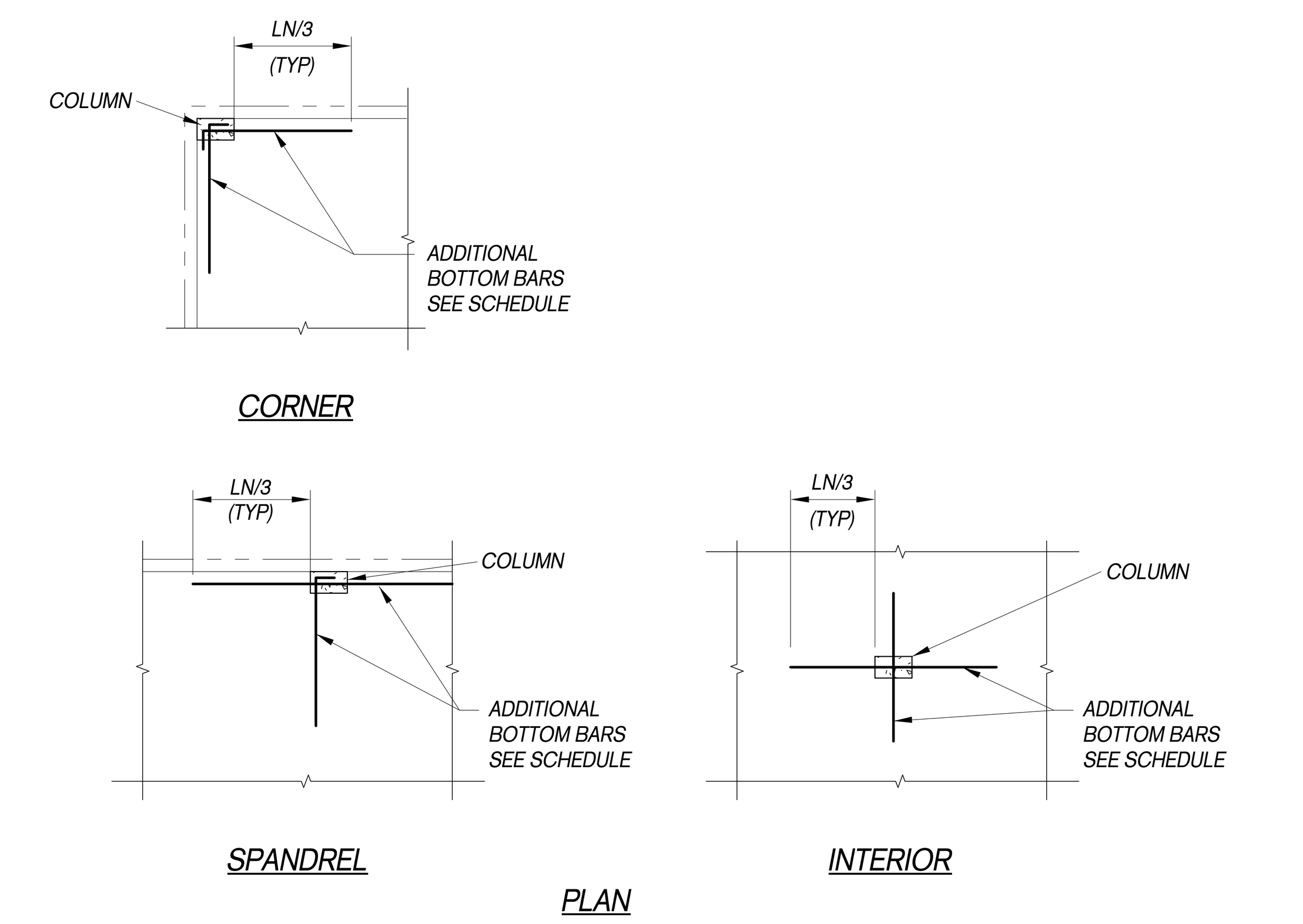


GUIDELINES FOR LENGTH AND PLACEMENT OF FLAT SLAB REINFORCING STEEL

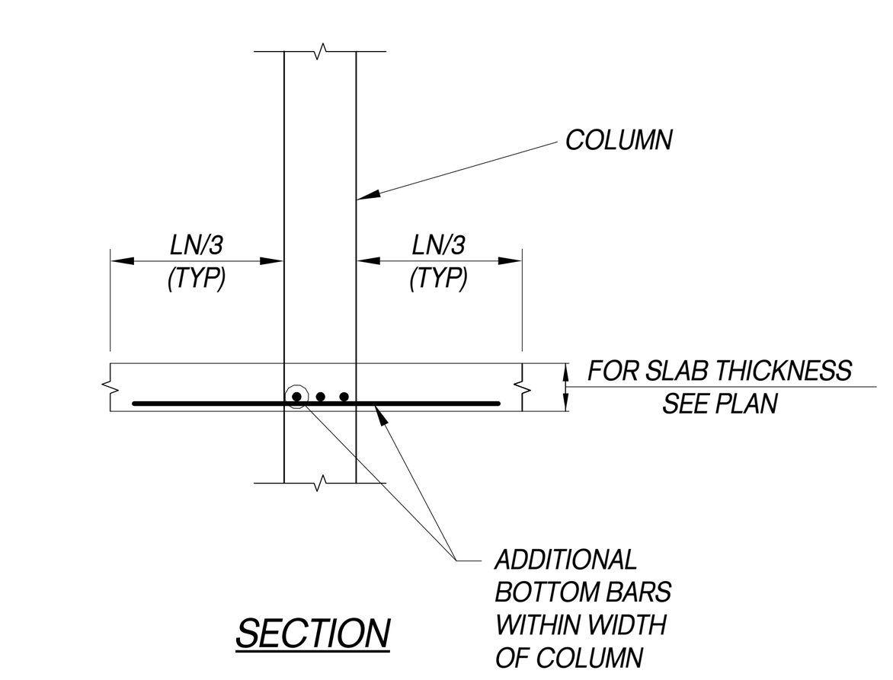
1/8" = 1'-0"

NOTES:

1. REFER TO THE "TYPICAL FLAT SLAB DETAILS" TYPICAL DETAIL FOR THE BALANCE OF INFORMATION.
2. THIS GUIDELINE MAY BE USED BY THE CONTRACTOR TO DETERMINE THE LENGTH OF A BAR SHOWN ON FRAMING PLANS WITH NO SPECIFIED LENGTH.
3. THIS GUIDELINE MAY BE USED BY THE CONTRACTOR TO DETERMINE THE PLACEMENT OF A BAR SHOWN ON THE FRAMING PLANS.



INTEGRITY BAR SCHEDULE	
SLAB THICKNESS	REQ'D ADDITIONAL BARS EACH WAY
7"	3-#6
8"	3-#7
9"	3-#8
10"	3-#8
11"	3-#9
12"	4-#9
OTHER	ENGINEER TO SPECIFY



TYPICAL INTEGRITY BAR DETAIL

1/8" = 1'-0"

TOP (T) BAR EXAMPLE

12T6+2T7 HAS THE FOLLOWING CHARACTERISTICS:

1. QUANTITY = 12 TYP., 2 ADD'L OVER THE CRITICAL ZONE.
2. BAR SIZE = #6 TYP., #7 IN THE CRITICAL ZONE.
3. PLACEMENT = TOP
4. LOCATION = COLUMN - COLUMN STRIP
5. COLUMN LENGTH (E/W) FOR COLUMN 5 = 24"
6. RELEVANT SPAN LENGTHS ARE AS FOLLOWS:
   - 6.1. L1A (E/W) = 24'-0"
   - 6.2. L2A (E/W) = 21'-0"
7. PER TYPICAL FLAT SLAB DETAILS, THE BAR LENGTH IS AS FOLLOWS:
   - 7.1. MAX OF L1, L2 = 24'-0"
   - 7.2. 0.30 X 24'-0" = 7.20'
   - 7.3. BAR LENGTH = 7.20' x 2 + 24" = 16.4'
   - 7.4. ROUND THE BAR LENGTH TO THE NEAREST 2", OR 16'-6"
8. EVENLY SPACE THE 12T6 STARTING AT THE CENTER OF THE COLUMN (EQUAL BARS ON BOTH SIDES OF THIS POINT, OR PLACE ONE AT THIS POINT AND EQUAL BARS ON BOTH SIDES FOR ODD QUANTITIES) WITHIN THE FOLLOWING EXTENT:
   - 8.1. MINIMUM OF THE FOLLOWING:
     - 8.1.1. L1A / 2 (N/S), L1B / 2 (N/S), L2A / 2 (N/S), L2B / 2 (N/S).
     - 8.1.2. THIS EXTENT IS EQUAL TO 10'-0", PER TOP MIDDLE BAR EXAMPLE.
   - 8.2. LOCATE THE CENTER OF THE BARS AS CLOSE TO THE COLUMN CENTER AS POSSIBLE; DO NOT OFFSET THE BARS ALONG ANY OF THE COLUMN STRIP SPAN LINES SHOWN ON PLAN.
9. ADDITIONAL TOP BARS (+2T7) OVER THE CRITICAL ZONE OF THE COLUMN SHALL BE THE SAME LENGTH AS THE TYPICAL TOP BAR.

TOP MIDDLE (TM) BAR EXAMPLE

6TM4 HAS THE FOLLOWING CHARACTERISTICS:

1. QUANTITY = 6
2. BAR SIZE = #4
3. PLACEMENT = TOP
4. LOCATION = COLUMN - MIDDLE STRIP
5. MAXIMUM COLUMN WIDTH (N/S) BETWEEN COLUMN 4 AND 5 = 14"
6. SPAN LENGTHS ARE AS FOLLOWS:
   - 6.1. L1A (N/S) = 21'-0"
   - 6.2. L1B (N/S) = 21'-0"
   - 6.3. L1C (N/S) = 20'-0"
   - 6.4. L1D (N/S) = 19'-0"
   - 6.5. L2A (N/S) = 20'-0"
   - 6.6. L2B (N/S) = 22'-0"
   - 6.7. L2C (N/S) = 24'-0"
7. THEREFORE:
   - 7.1. L1 (N/S) = 21'-0" (MAX OF L1 SET)
   - 7.2. L2 (N/S) = 24'-0" (MAX OF L2 SET)
8. PER TYPICAL FLAT SLAB DETAILS, THE BAR LENGTH IS AS FOLLOWS:
   - 8.1. MAX OF L1, L2 = 24'-0"
   - 8.2. 0.22 X 24'-0" = 5.28'
   - 8.3. BAR LENGTH = 5.28' x 2 + 14" = 11.72'
   - 8.4. ROUND THE BAR LENGTH TO THE NEAREST 2", OR 11'-10"
9. EVENLY SPACE THE 6TM5 STARTING AT THE CENTER OF THE COLUMN STRIP SPAN LINE BETWEEN COLUMNS 4 AND 5 (EQUAL BARS ON BOTH SIDES OF THIS POINT, OR PLACE ONE AT THIS POINT AND EQUAL BARS ON BOTH SIDES FOR ODD QUANTITIES) WITHIN AN EXTENT OF L1A (E/W) / 2 .
   - 9.1. LOCATE THE CENTER OF THE BARS AS CLOSE TO THE COLUMN STRIP SPAN LINE AS POSSIBLE.

BOTTOM (B) BAR EXAMPLE

3B6 HAS THE FOLLOWING CHARACTERISTICS:

1. QUANTITY = 3
2. BAR SIZE = #6
3. PLACEMENT = BOTTOM
4. LOCATION = COLUMN - MIDDLE STRIP
5. RELEVANT SPAN LENGTHS ARE AS FOLLOWS:
   - 5.1. L2B (N/S) = 22'-0"
6. THEREFORE:
   - 6.1. L2 (N/S) = 22'-0"
7. PER TYPICAL FLAT SLAB DETAILS, THE BAR LENGTH IS AS FOLLOWS:
   - 7.1. L2 / 2 = 11'-0"
   - 7.2. BAR LENGTH = 11'-0"
8. EVENLY SPACE THE 3B6 STARTING AT THE CENTER OF THE COLUMN STRIP SPAN LINE BETWEEN COLUMNS 5 AND 9 (EQUAL BARS ON BOTH SIDES OF THIS POINT, OR PLACE ONE AT THIS POINT AND EQUAL BARS ON BOTH SIDES FOR ODD QUANTITIES)
9. SPACE AT 12" ON-CENTER MAX IN THE EAST AND WEST DIRECTIONS (1 & 4 DIRECTION).

BOTTOM MIDDLE (BM) BAR EXAMPLE

2BM6 HAS THE FOLLOWING CHARACTERISTICS:

1. QUANTITY = 2
2. BAR SIZE = #6
3. PLACEMENT = BOTTOM
4. LOCATION = MIDDLE - MIDDLE STRIP
5. RELEVANT SPAN LENGTHS ARE AS FOLLOWS:
   - 5.1. L1A (E/W) = 24'-0"
   - 5.2. L1B (E/W) = 25'-0"
6. THEREFORE:
   - 6.1. L1 (E/W) = 25'-0" (MAX OF L1 SET)
7. PER TYPICAL FLAT SLAB DETAILS, THE BAR LENGTH IS AS FOLLOWS:
   - 7.1. L1 / 2 = 12'-6"
   - 7.2. BAR LENGTH = 12'-6"
8. EVENLY SPACE THE 2BM6 STARTING AS CLOSE TO THE THEORETICAL CENTER OF COLUMN 4, 5, 7, AND 8 MIDDLE-MIDDLE STRIP (EQUAL BARS ON BOTH SIDES OF THIS POINT, OR PLACE ONE AT THIS POINT AND EQUAL BARS ON BOTH SIDES FOR ODD QUANTITIES)
9. SPACE AT 12" ON-CENTER MAX IN THE NORTH AND SOUTH DIRECTIONS (2 & 3 DIRECTION).

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

Design 2147 Limited | Code Consultant
52 Diamond Street, Brooklyn, NY 11222
718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

Theatre Projects Consultants | Theater Consultant
47 Water Street
South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

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22 West 19th Street, Floor 6
New York, NY 10011
212 691 3020 | fmsp.com

Jaffe Holden | Acoustic Consultant
114–A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

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07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
TYPICAL CONCRETE DETAILS VI

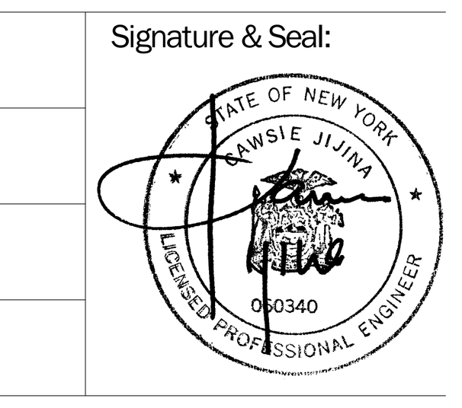
Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale: As indicated

Signature & Seal:



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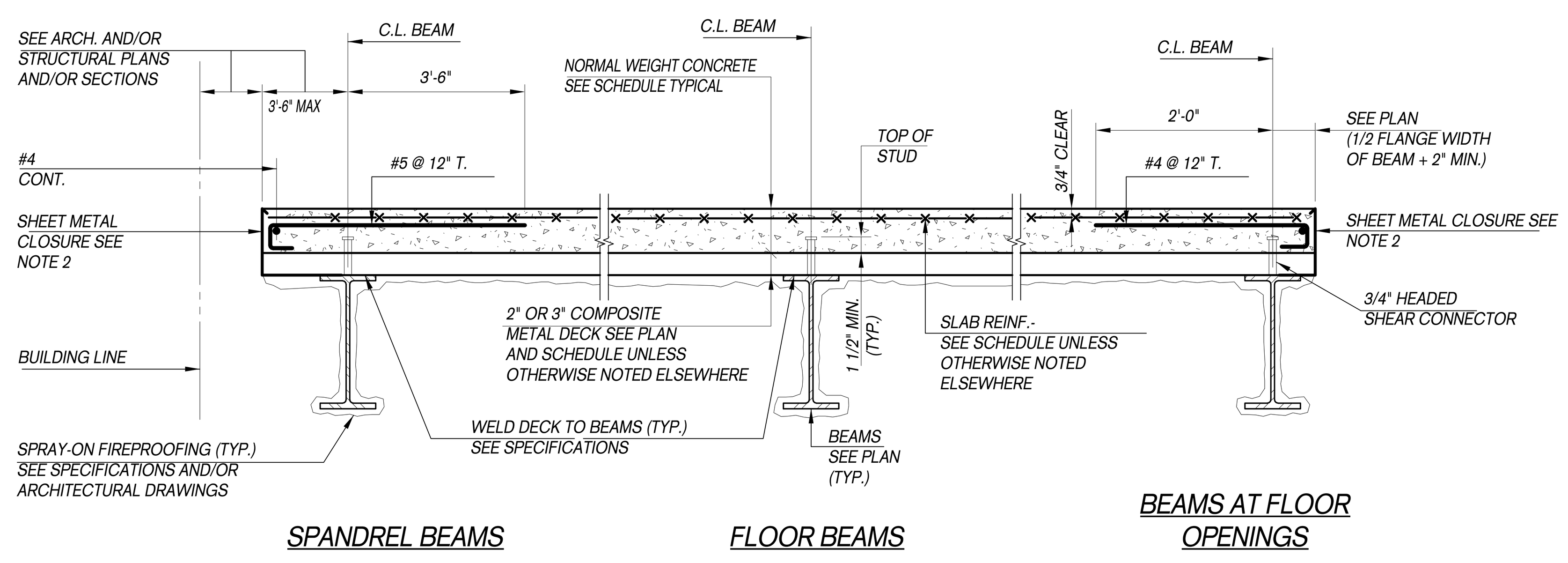
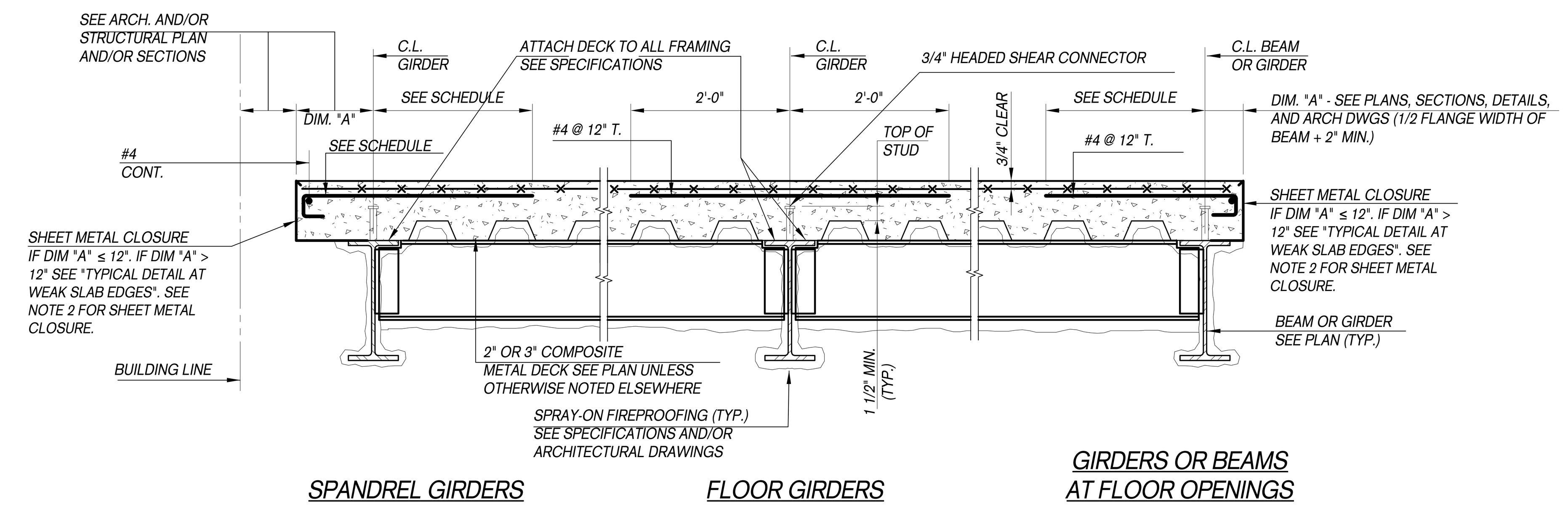


SPANDREL BEAMS — FLOOR BEAMS — BEAMS AT FLOOR OPENINGS

PARALLEL TO SPAN OF DECK

TYPICAL FLOOR CONSTRUCTION DETAIL



SPANDREL GIRDERS — FLOOR GIRDERS — GIRDERS OR BEAMS AT FLOOR OPENINGS

PERPENDICULAR TO SPAN OF DECK

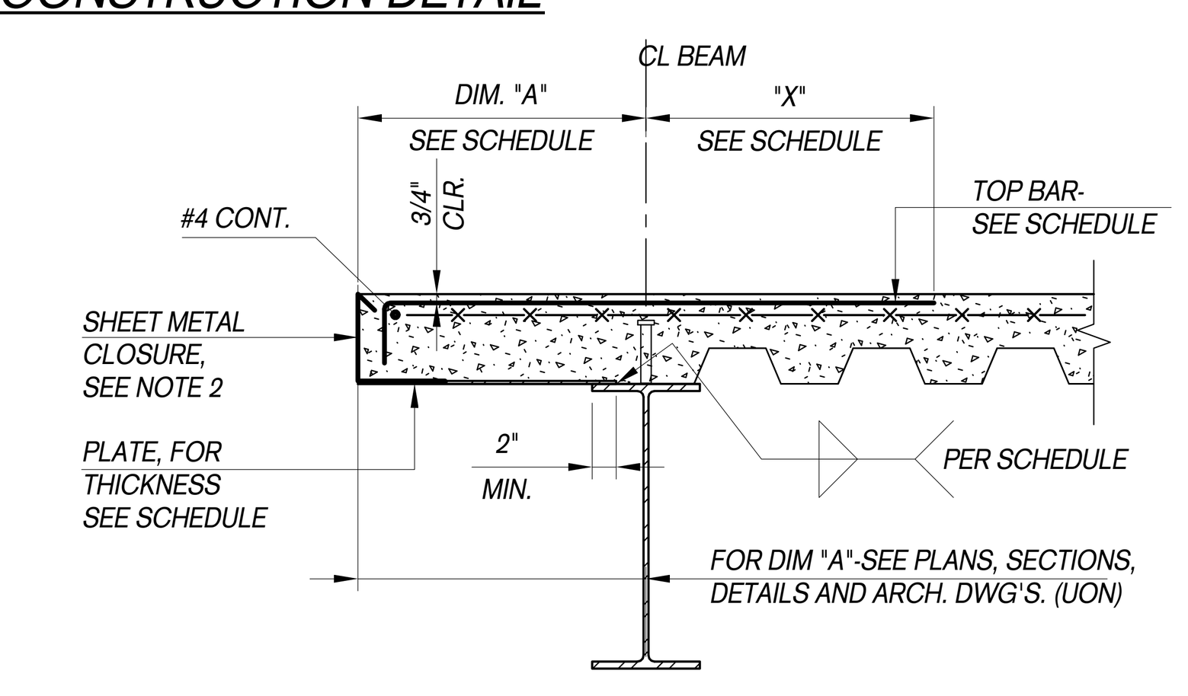
TYPICAL FLOOR CONSTRUCTION DETAIL

SLAB ON METAL DECK SCHEDULE

DECK DEPTH	DECK GAGE	CONCRETE TOPPING THICKNESS	CONCRETE	REINF.
3"	18 GA	4 1/2"	NWT - 4ksi	6x6/W4xW4 W.W.F. TOP

NOTES:

1. PROVIDE ALL SHEET METAL CLOSURES AND ACCESSORIES, SEE STRUCTURAL, ARCHITECTURAL AND MEP DRAWINGS AND SPECIFICATIONS.
2. DESIGN CLOSURES TO SAFELY SUPPORT THE WET WEIGHT OF SUPERIMPOSED CONCRETE + 20 PSF CONSTRUCTION LIVE LOADS WITH MINIMAL DEFLECTION. SHORE IF NECESSARY.
3. ANY ATTACHMENT TO THE SLAB EDGE FOR SUPPORT OF EXTERIOR WALLS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED AND SUBMITTED FOR THE REVIEW OF THE ENGINEER.
4. SHEAR CONNECTORS SHALL BE EQUALLY SPACED ALONG THE SPAN OF THE BEAM UNLESS OTHERWISE NOTED. THE TOTAL NUMBER OF SHEAR CONNECTORS PER BEAM IS SHOWN THUS (. . .) ON PLAN. PROVIDE (1) STUD PER FOOT WHERE NONE ARE NOTED. STUDS SHALL BE 6" LONG MINIMUM (UON). THE TOTAL NUMBER OF SHEAR CONNECTORS SHALL BE EQUALLY SPACED BETWEEN FILLER BEAMS OR BETWEEN COLUMNS AND FILLER BEAMS OR BETWEEN OTHER GIRDERS AND FILLER BEAMS. THE TOTAL NUMBER OF SHEAR CONNECTORS ARE SHOWN ON PLAN THUS (. . .), E.G. (. . .) (. . .) (. . .)
5. FOR GAGE AND TYPE OF DECK, SEE PLANS.
6. FASTEN SIDE LAPS OF ALL ADJACENT DECK UNITS BETWEEN SUPPORTS WITH SELF-TAPPING No. 8 OR LARGER MACHINE SCREWS OR BY WELDING, AT INTERVALS NOT EXCEEDING 36" o.c. BUTTON BUNCHING SHALL NOT BE PERMITTED.
7. THE BID SHALL INCLUDE THE ADDITIONAL QUANTITY OF CONCRETE THAT MAY BE REQUIRED TO COMPENSATE FOR METAL DECK, FILLER BEAM AND GIRDER DEFLECTION.
8. 7 1/2" SLAB ON METAL DECK SHALL HAVE 6" LONG SHEAR STUDS. 12" SLAB ON METAL DECK SHALL HAVE 8" LONG SHEAR STUDS.



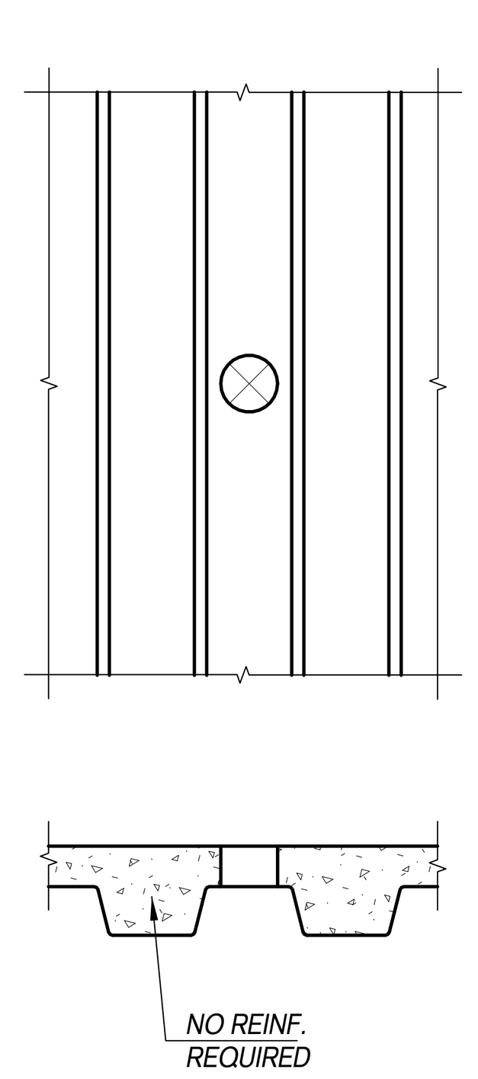
SCHEDULE FOR WEAK SLAB EDGES

DIM "A"	PL THICKNESS	WELD	TOP REINF.	"X"
≤ 2'-0"	1/4"	1/4" @ 4-12	#4 @ 12"	2'-0"
≤ 3'-0"	3/8"	1/4" @ 6-12	#5 @ 12"	3'-0"
≤ 4'-0"	1/2"	5/16" @ 6-12	#5 @ 12"	4'-0"

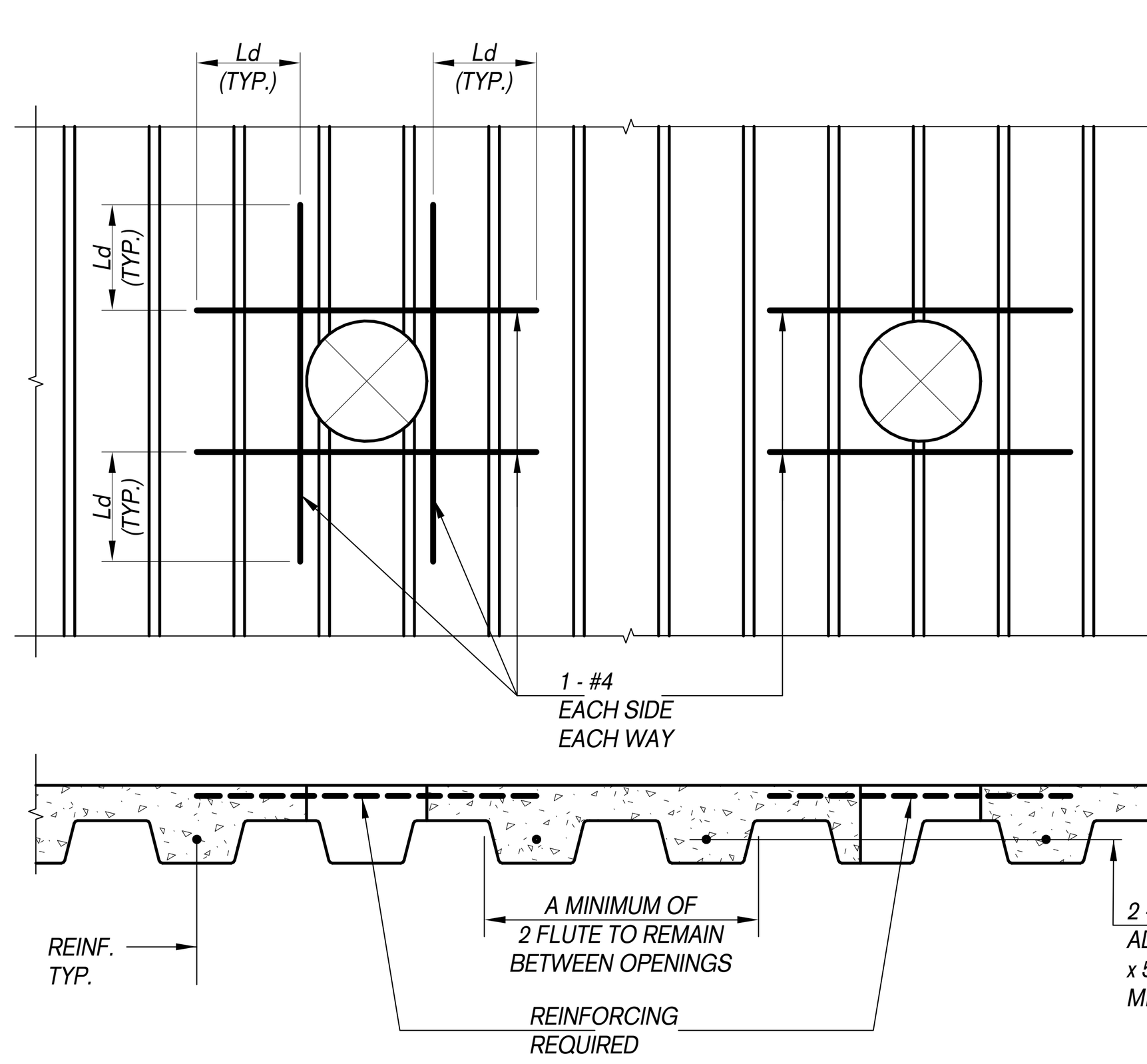
NOTE:

1. PROVIDE THIS DETAIL WHEN NO OTHER SPECIFIC DETAILS ARE CALLED FOR.

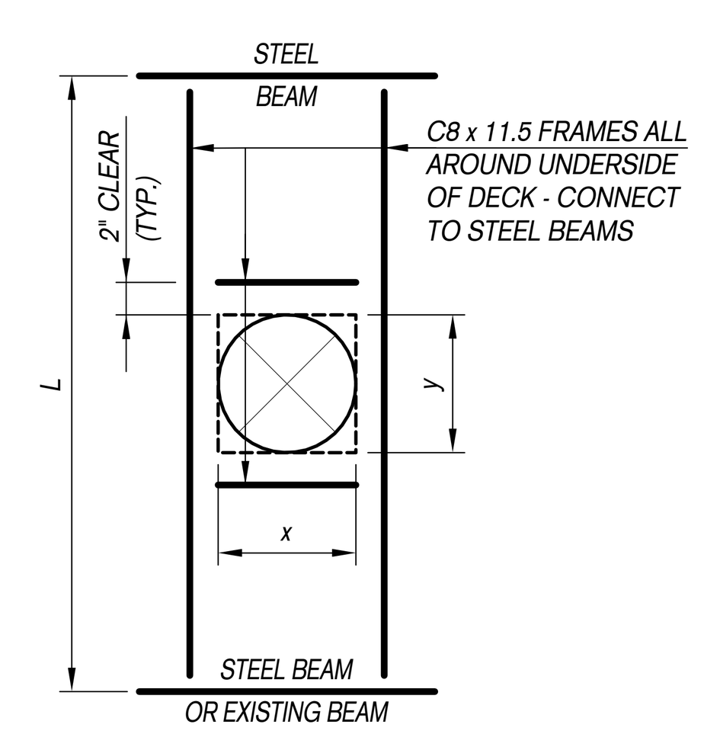
TYPICAL DETAIL AT WEAK SLAB EDGES



OPENING BETWEEN FLUTES



OPENING THROUGH ONE OR PART OF FLUTE



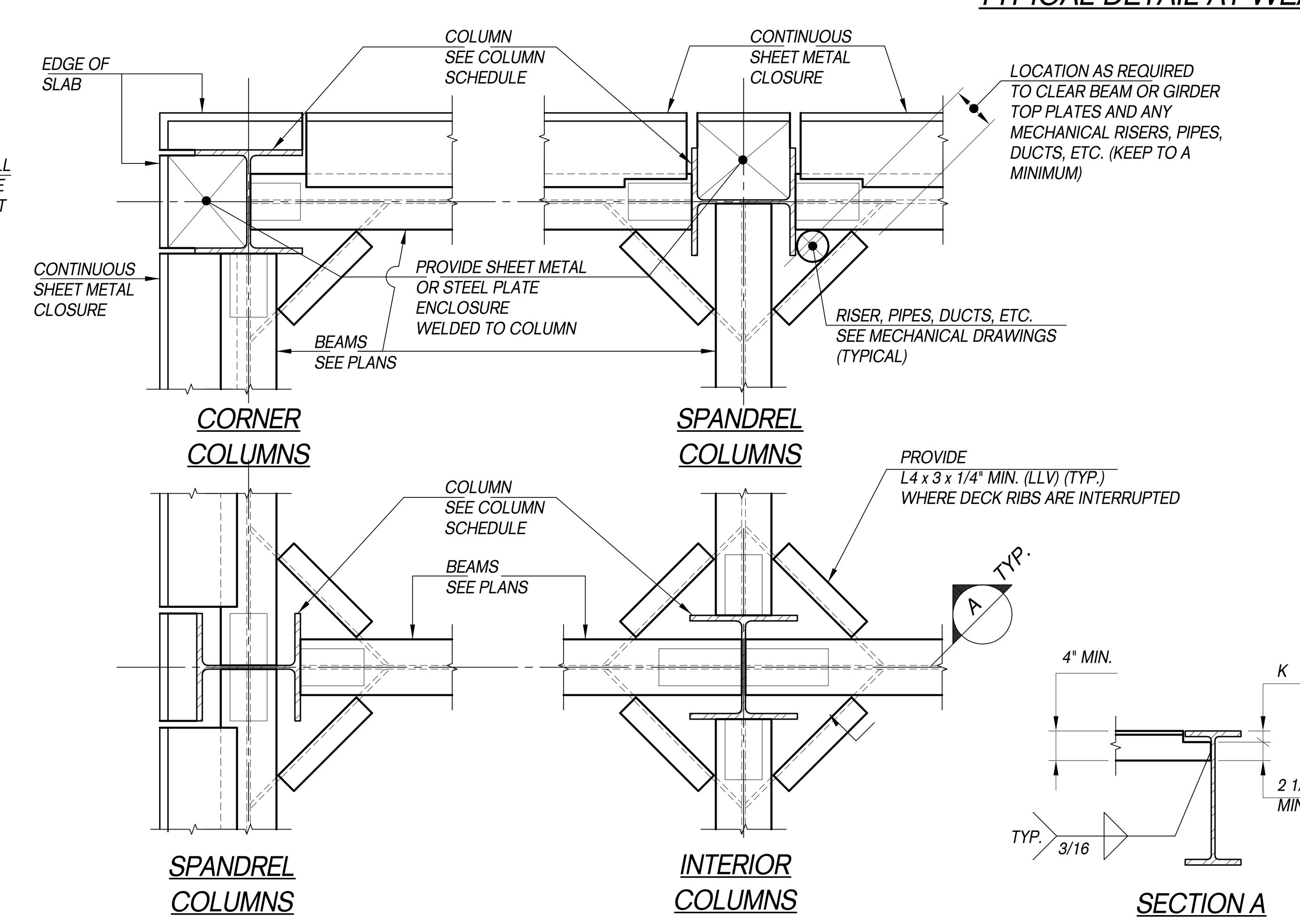
OPENINGS THROUGH MORE THAN ONE FLUTE

BASE BID ALLOWANCE OF 20 OPENING SUPPORT FRAMES AND OPENINGS. FOR BID ASSUME L=11'-0" AND x AND y=2'-0".

TYPICAL DETAILS FOR OPENINGS IN METAL DECK

NOTES:

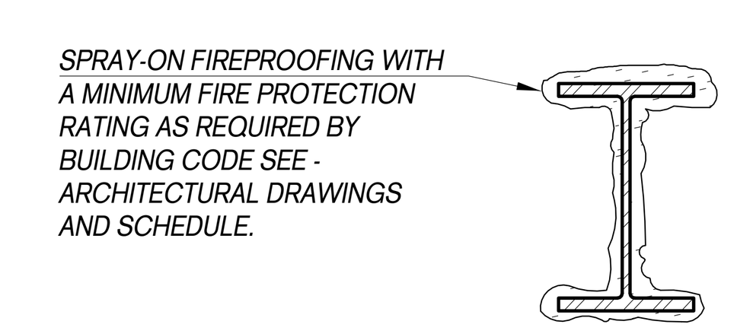
1. SEE STRUCTURAL AND/OR MECHANICAL AND/OR ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF OPENINGS.
2. AT OPENINGS THROUGH ONE OR MORE THAN ONE FLUTE, DO NOT CUT METAL DECK UNTIL 7 DAYS AFTER CONCRETE HAS BEEN CAST.
3. IF FEWER THAN 2 FLUTES REMAIN BETWEEN ADJACENT OPENINGS THROUGH ONE FLUTE USE DETAIL FOR OPENING THROUGH MORE THAN ONE FLUTE.
4. DEVELOPMENT LENGTH Ld TO BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 12.



TYPICAL DECK SUPPORT DETAILS AT COLUMNS

NOTES:

1. THE SIZE AND CONNECTIONS OF ALL CLOSURES AND ENCLOSURES SHALL BE FURNISHED, DESIGNED AND SHOWN ON SHOP DRAWINGS BY THE METAL DECK MANUFACTURER AND SHALL BE INSTALLED BY THE METAL DECK CONTRACTOR.
2. CLOSURES AND ENCLOSURES AND THEIR CONNECTIONS SHALL BE DESIGNED TO SAFELY SUPPORT THE WET WEIGHT OF SUPERIMPOSED CONCRETE WITH MINIMAL DEFLECTION.
3. DECK SUPPORT ANGLES SHALL BE FURNISHED AND INSTALLED BY THE METAL DECK CONTRACTOR AND SHOWN ON METAL DECK SHOP DRAWINGS.
4. THE GENERAL CONTRACTOR OR THE CONSTRUCTION MANAGER AND THE METAL DECK CONTRACTOR SHALL COORDINATE THE LOCATION OF CLOSURES, ENCLOSURES AND DECK SUPPORT ANGLES.



TYPICAL STRUCTURAL STEEL FIREPROOFING DETAIL

TYPICAL STEEL DETAILS I

3/4" = 1'-0"

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

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New York, NY 10018
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TORONTO, ON M4M 2M3
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10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

New York, NY 10036

Sheet Title:

TYPICAL STEEL DETAILS I

Project Number: 13649

Drawn By: SNH/JBA

Checked By: CJ

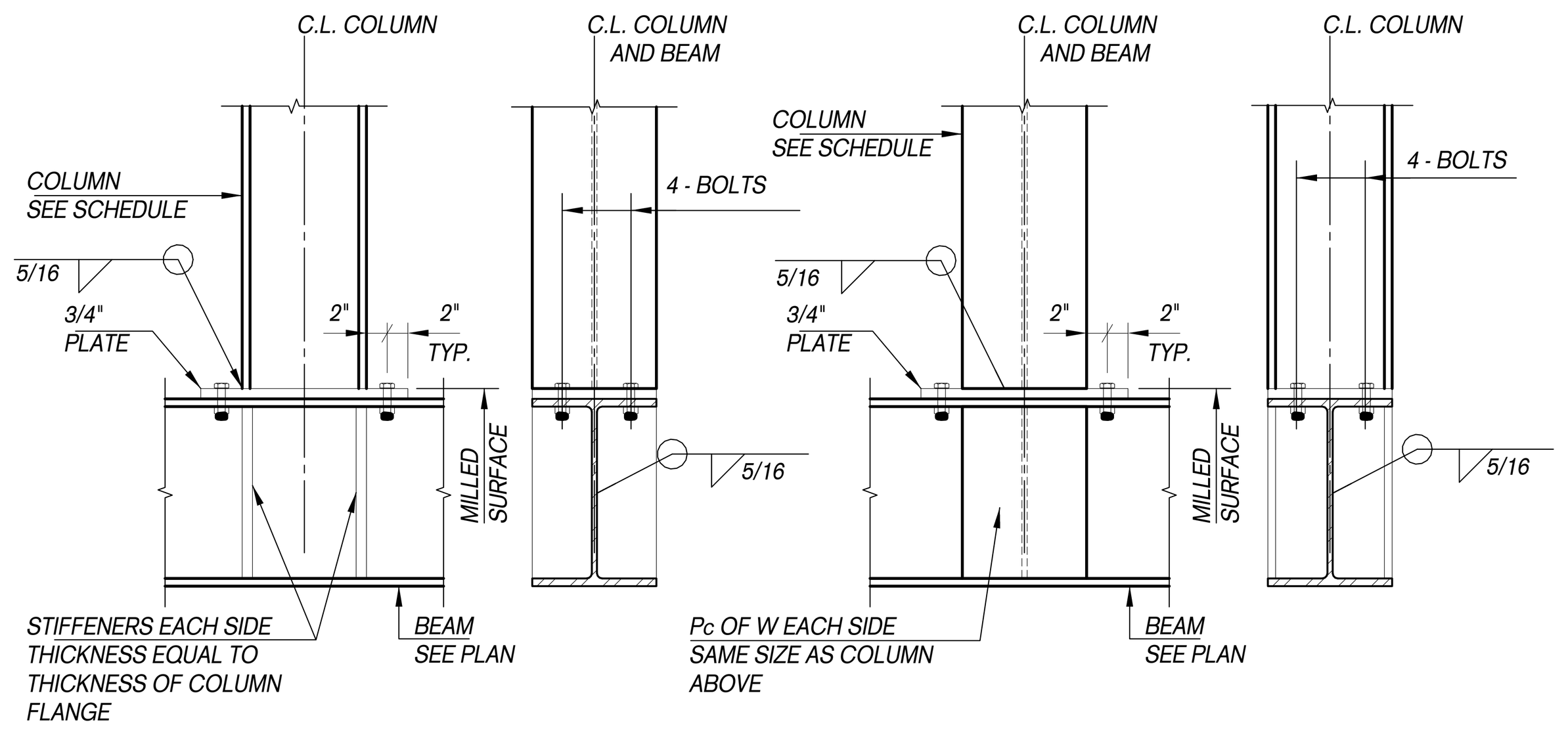
Scale: 3/4" = 1'-0"

Signature & Seal:

Sheet Number: S-711.00

NYC DOB Number:

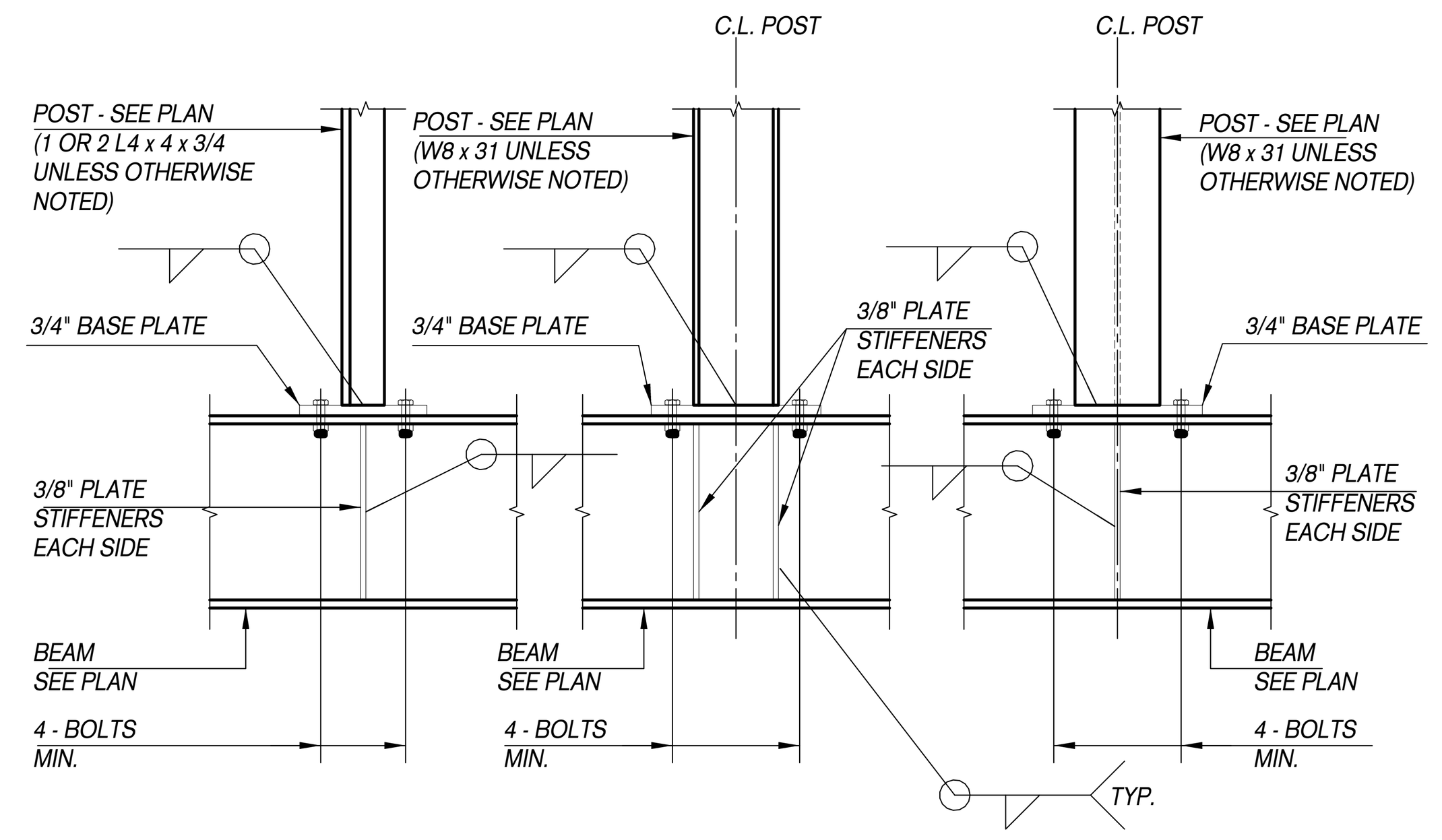
Sheet: of



COLUMN WEB PARALLEL TO BEAM WEB

COLUMN WEB PERPENDICULAR TO BEAM WEB

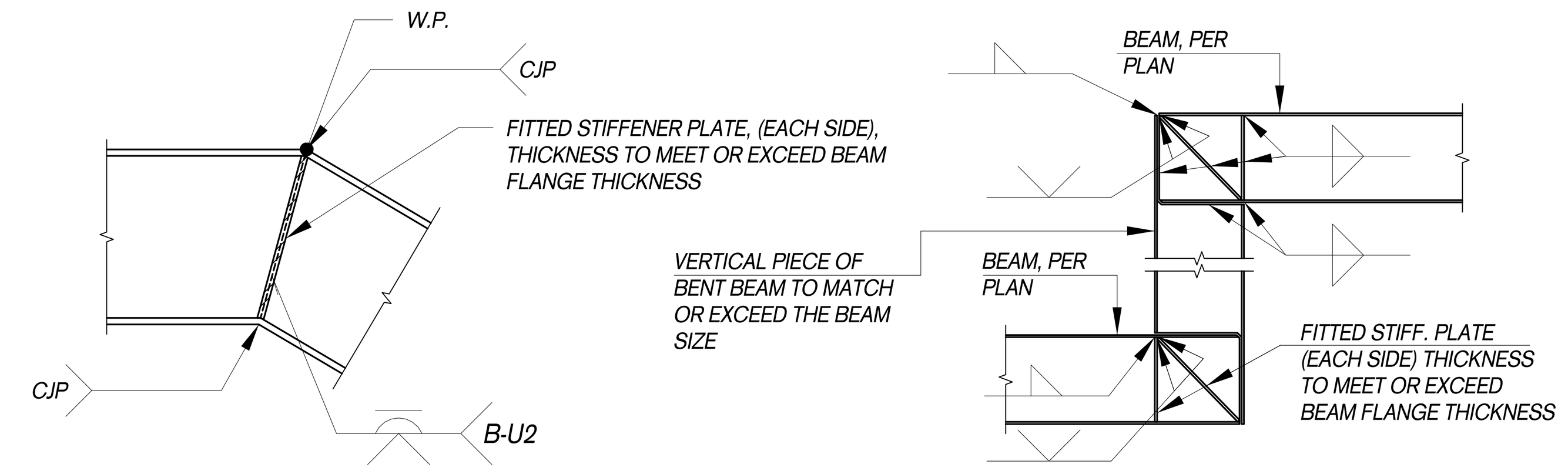
TYPICAL COLUMN SUPPORTED ON BEAM DETAILS



TYPICAL POST DETAILS

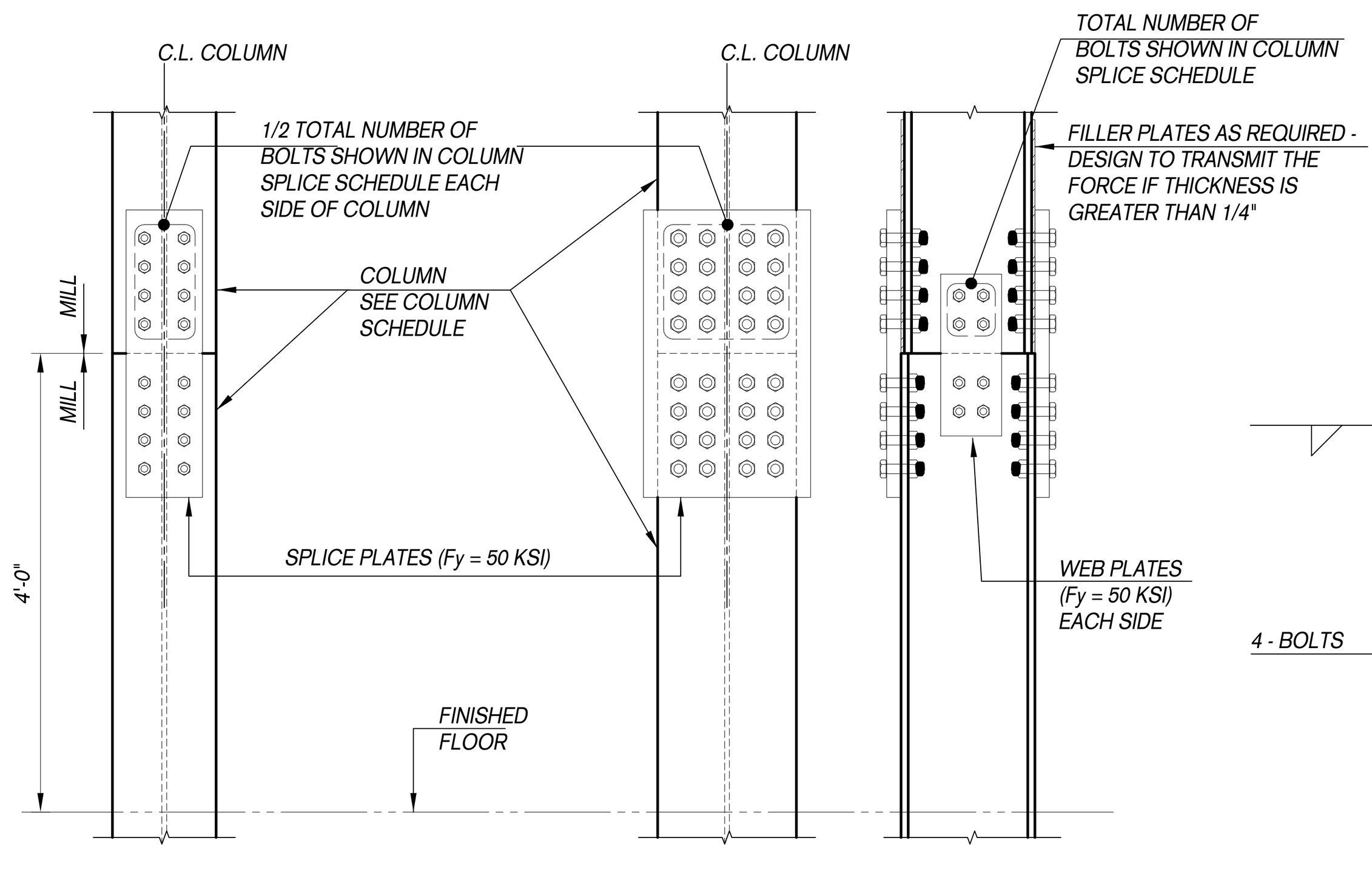
NOTES:

1. POSTS ARE MISCELLANEOUS COMPRESSION MEMBERS NOT SHOWN IN COLUMN SCHEDULE.
2. CONNECTION COMPONENTS SHOWN ABOVE ARE MINIMUMS; DESIGN FOR THE REACTIONS SHOWN ON THE DRAWINGS. WHERE A REACTION IS NOT INDICATED ON THE DRAWINGS, THE CONNECTION OF THE HANGER TO THE SUPPORTING AND SUPPORTED BEAMS SHALL HAVE A CAPACITY EQUAL TO OR GREATER THAN THE FULL TENSILE YIELD CAPACITY OF THE POST DETERMINED IN ACCORDANCE WITH AISC SPECIFICATIONS.



ALTERNATES OF THIS DETAIL ARE WELCOME TO BE SUBMITTED TO THE EOR FOR REVIEW AND APPROVAL, PROVIDED THEY ARE DESIGNED TO DEVELOP THE FULL SHEAR AND BENDING CAPACITY OF THE BEAM.

TYPICAL BENT BEAM DETAILS



TYPE I

TYPE II

TYPICAL COLUMN SPLICE DETAILS

NOTES:

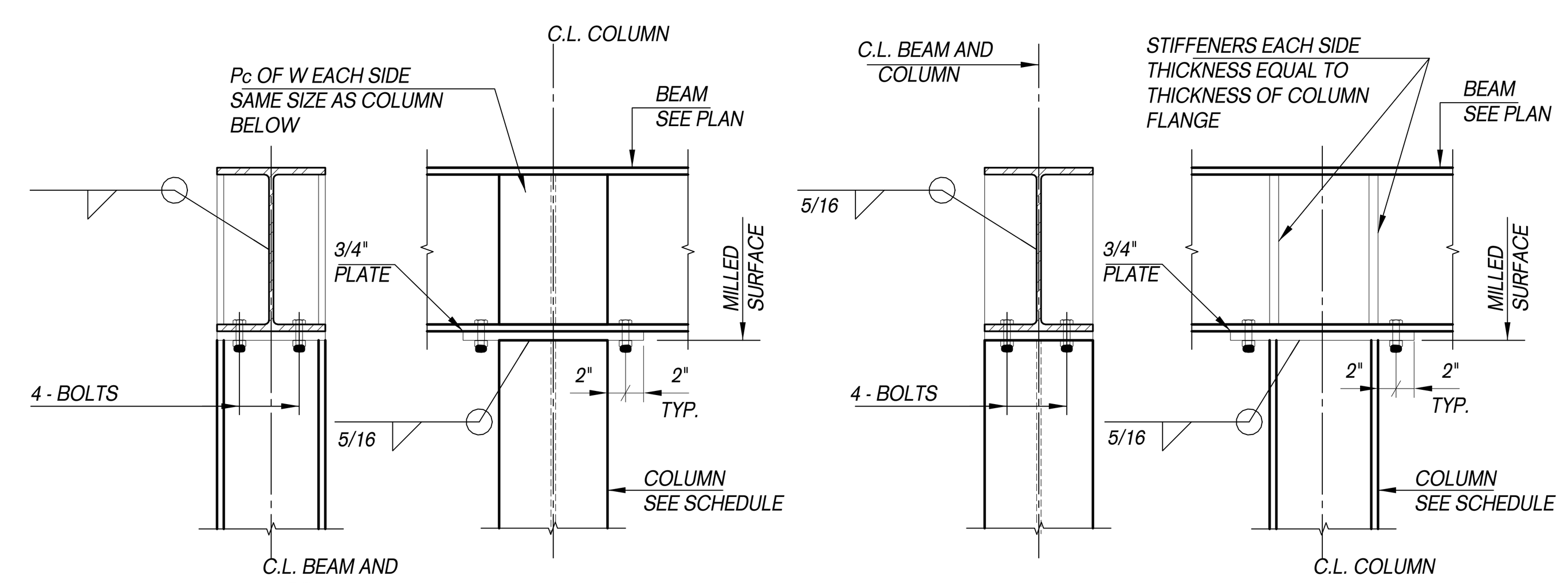
1. FOR SIZE, TYPE AND TOTAL NUMBER OF BOLTS, SEE COLUMN SPLICE SCHEDULE.
2. FOR SIZE OF SPLICE PLATES, SEE COLUMN SPLICE SCHEDULE.
3. PROVIDE THE SAME NUMBER OF BOLTS IN LOWER COLUMN AS IN UPPER.
4. WELDED SPLICE CONNECTIONS MAY BE USED IF REQUESTED BY CONTRACTOR AND APPROVED BY ARCHITECT.

COLUMN SPLICE SCHEDULE

COLUMN SIZE (UPPER SHAFT)	SPLICE TYPE	BOLT SIZE & TYPE	SIZE OF FLANGE SPLICE ~P's	NUMBER OF FLANGE BOLTS	SIZE OF WEB SPLICE ~P's	NUMBER OF WEB BOLTS
W8 x 40 AND SMALLER W8's W10 x 45 AND SMALLER W10's W12 x 50 AND SMALLER W12's	I	7/8" A325N	8" x 3/4"	12	5 3/4" x 3/8"	4
W8 x 48 AND LARGER W8's W10 x 49 - W10 x 60 W12 x 53 - W12 x 58 W14 x 53 AND SMALLER W14's	I	1 1/8" A490N	8 1/2" x 3/4"	16	6" x 1/2"	4
W10 x 68 - W10 x 77 W12 x 65 - W12 x 96 W14 x 61 - W14 x 82	I	1 1/8" A490N	8 1/2" x 3/4"	18	7 1/2" x 1/2"	6
W10 x 88 AND LARGER W10's W12 x 106 AND LARGER W12's W14 x 90 - W14 x 132	I	1 1/8" A490N	9" x 1 1/4"	20	7 1/2" x 7/8"	6
W14 x 145 - W14 x 193	II	1 1/8" A490N	15" x 7/8"	24	10" x 7/8"	8
W14 x 211 - W14 x 257	II	1 1/8" A490N	15" x 1 1/8"	32		
W14 x 283 - W14 x 342	II	1 1/8" A490N	15" x 1 1/2"	40		
W14 x 370 - W14 x 426	II	1 1/8" A490N	16 1/2" x 1 3/4"	40		
W14 x 455 AND LARGER W14's	II	1 1/8" A490N	17 1/2" x 2"	48		

NOTES FOR COLUMN SPLICE SCHEDULE:

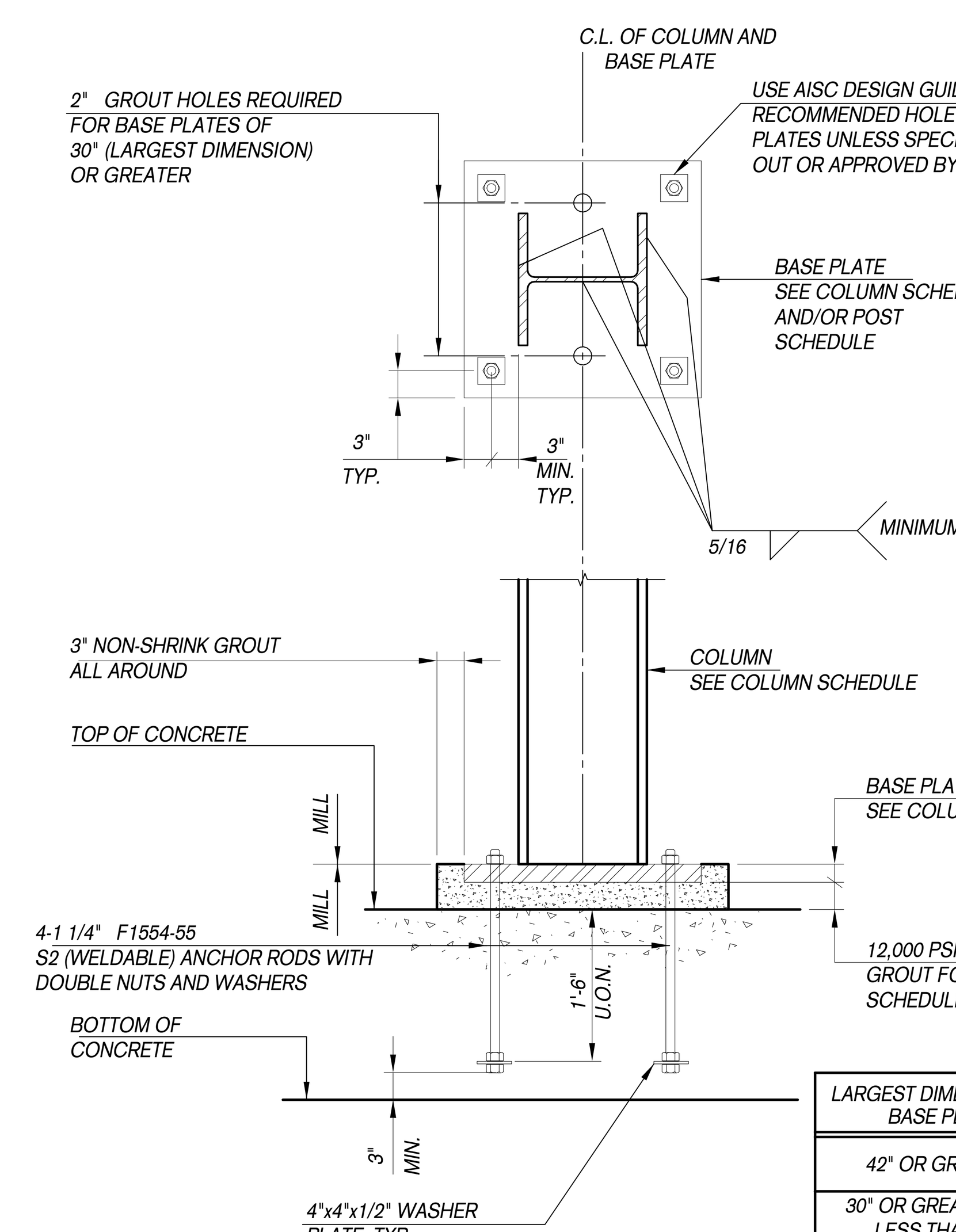
1. COLUMNS THAT ARE PART OF A BRACED FRAME OR MOMENT FRAME SHALL BE PROVIDED WITH SLIP CRITICAL BOLTS IN LIEU OF BEARING BOLTS, BUT THE BOLT SHALL ONLY BE DESIGNED FOR SLIP CRITICAL (STRENGTH) IF OVS, SSL, OR LSL HOLES ARE UTILIZED. THE NUMBER OF SLIP CRITICAL BOLTS SHALL BE DESIGNED PER NOTE 3.
2. ALL BOLTS IN COLUMN SPLICES SHALL BE PRE-TENSIONED.
3. FOR BRACED FRAMES AND MOMENT FRAMES, DESIGN SPLICES FOR THE FORCE INDICATED ON THE FRAME ELEVATIONS; HOWEVER, PROVIDE THE TYPICAL DETAIL AS A MINIMUM.



BEAM WEB PERPENDICULAR TO COLUMN WEB

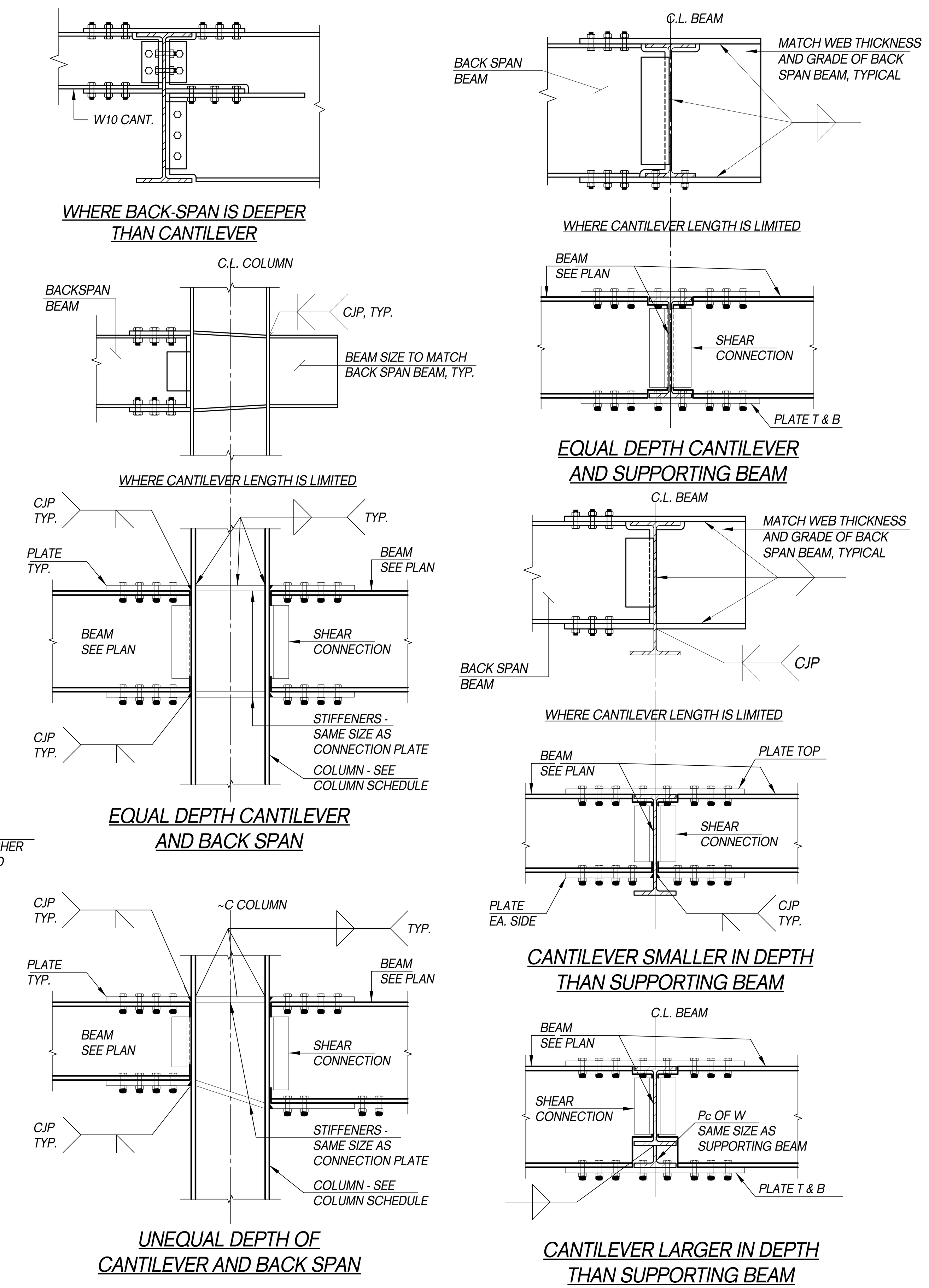
BEAM WEB PARALLEL TO COLUMN WEB

TYPICAL BEAM SUPPORTED OVER COLUMN DETAILS



LARGEST DIMENSION OF BASE PLATE	GROUT THICKNESS
42" OR GREATER	4"
30" OR GREATER BUT LESS THAN 42"	3"
LESS THAN 30"	2"

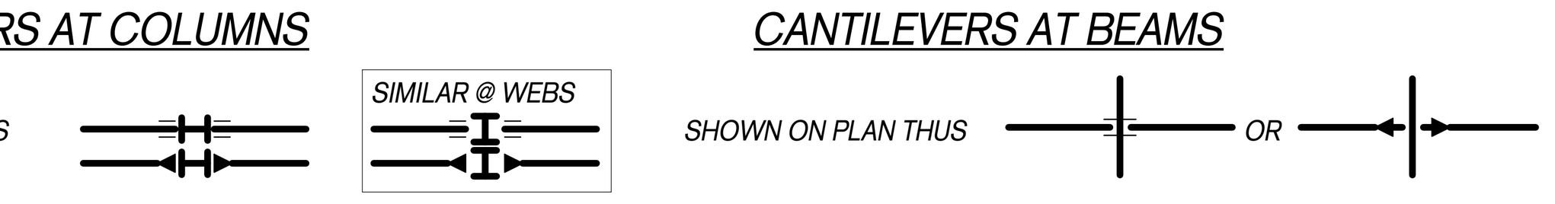
TYPICAL COLUMN BASE DETAILS



CANTILEVERS AT COLUMNS

CANTILEVERS AT BEAMS

SHOWN ON PLAN THUS "OR"



TYPICAL CANTILEVER BEAM AND MOMENT CONNECTION DETAILS

NOTES:

1. MOMENT CONNECTIONS TO DEVELOP FULL MOMENT CAPACITY OF CANTILEVER BEAMS UNLESS SHOWN OTHERWISE ON DRAWINGS.
2. WELD, BOLT AND CONNECTION PLATE CAPACITIES SHALL BE AS REQUIRED BY AISC SPECIFICATIONS.
3. CONNECTION PLATES AND BOLTS SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED. CALCULATIONS SHALL BE SUBMITTED FOR THE ENGINEER'S REVIEW.
4. FIELD WELDED CONNECTIONS MAY BE USED IF REQUESTED BY CONTRACTOR AND APPROVED BY ARCHITECT.
5. ALSO PROVIDE THESE DETAILS WHERE "CANT." IS DENOTED ON PLAN FOR A STEEL BEAM.
6. UNLESS OTHERWISE NOTED, THE CANTILEVERED BEAM IS THE SAME SIZE AS THE MAIN SPAN BEAM.

TYPICAL STEEL DETAILS II

3/4" = 1'-0"

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
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Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
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TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
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Project:
1568 Broadway
New York, NY 10036

Sheet Title:
TYPICAL STEEL DETAILS II

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: 3/4" = 1'-0"
Signature & Seal:
STATE OF NEW YORK — CAWSIE JIJINA — 060340 — LICENSED PROFESSIONAL ENGINEER

Sheet Number: S-712.00

NYC DOB Number:
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New York, NY 10001
212.938.1260 | manciniduffy.com

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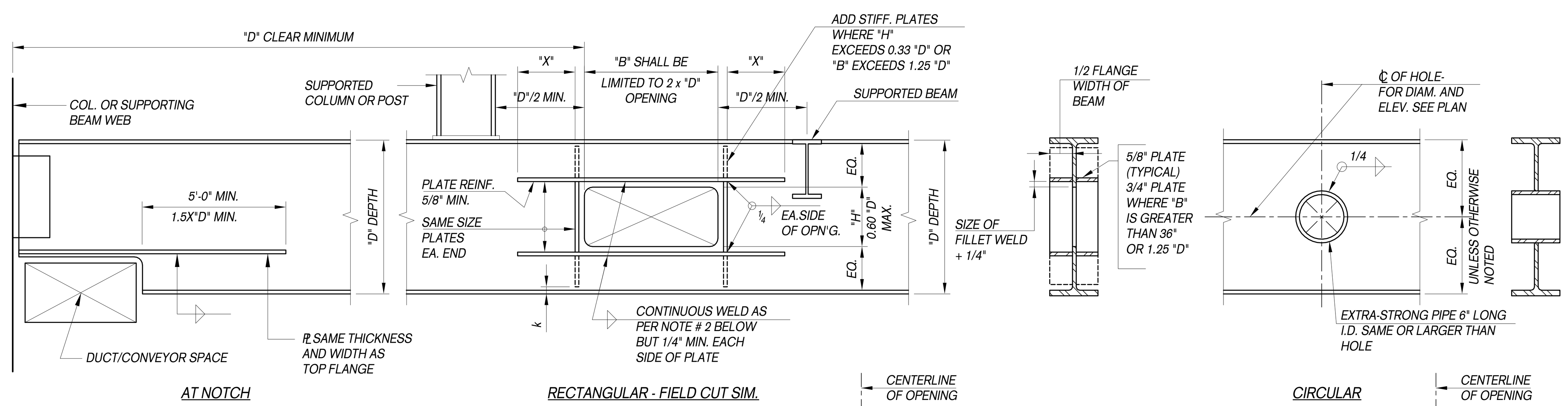


AT NOTCH — RECTANGULAR - FIELD CUT SIM. — CIRCULAR

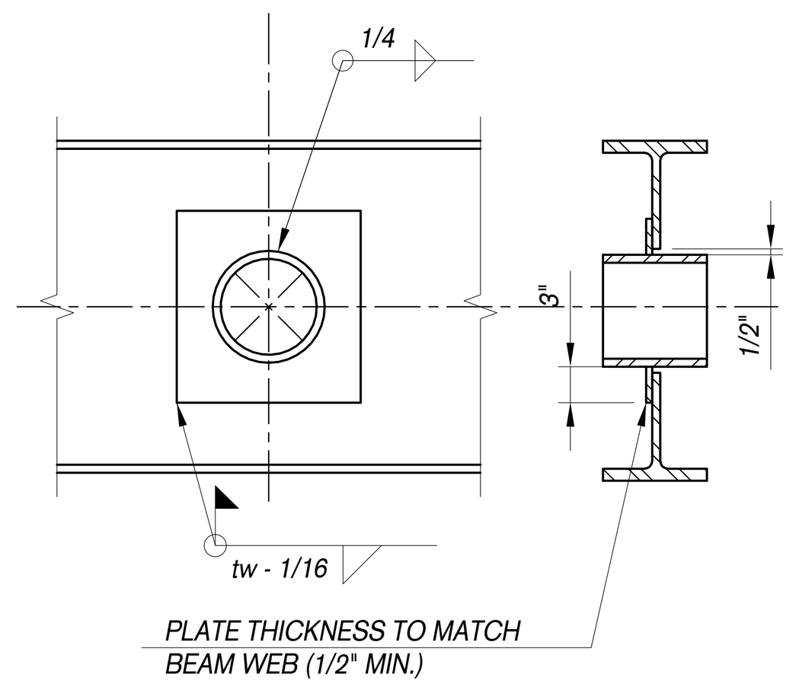
CENTERLINE OF OPENING

SHOWN ON PLAN THUS:

NOTE:
ONLY PROVIDE WHERE SHOWN ON PLAN.

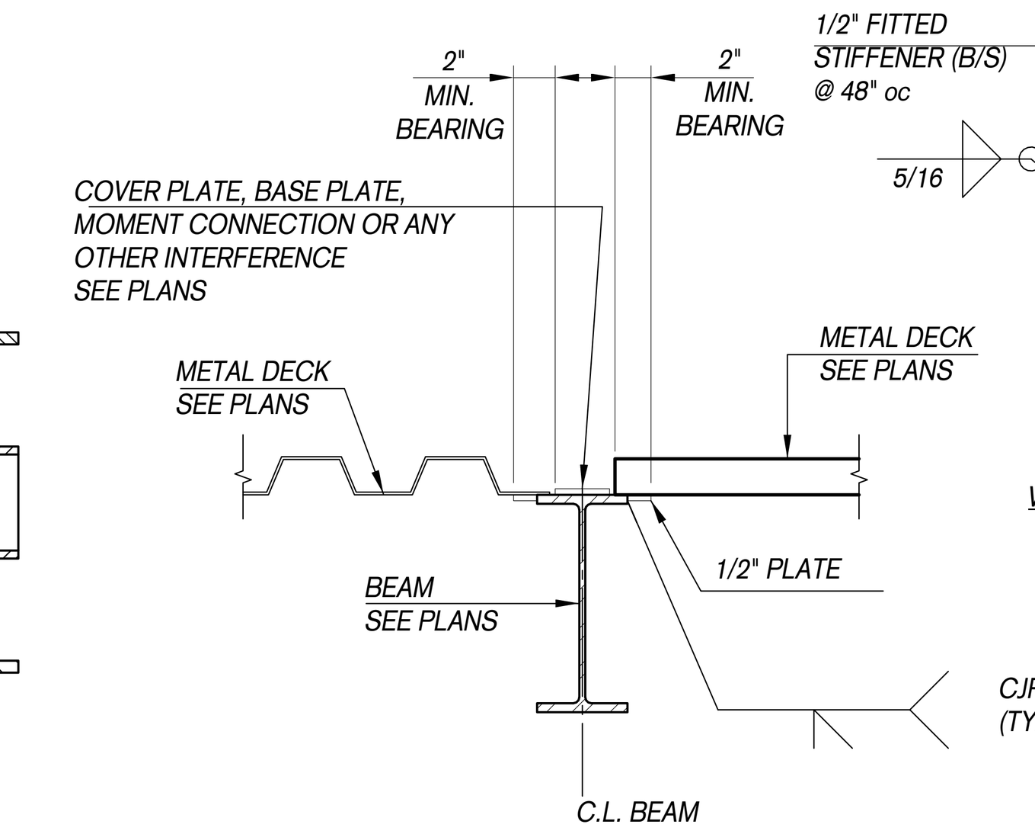
NOTES:

1. USE THIS DETAIL ONLY FOR LOCATIONS AND SIZES OF OPENINGS SHOWN ON PLAN.
2. WELD REINFORCING PLATES TO BEAM WEB SUFFICIENTLY TO DEVELOP THEIR FULL CAPACITY AT 0.90 x Fy x Ag ULTIMATE STRESS AT EACH END WITHIN LENGTH "X", AND EXTEND SAME WELD SIZE CONTINUOUS ACROSS THE ENTIRE OPENING.
3. ALL OPENINGS SHALL BE CENTERED ON BEAM DEPTH UNLESS SHOWN OTHERWISE. ALL OPENINGS ARE IN INCHES UNLESS SHOWN OTHERWISE.
4. WHERE CONNECTIONS OF SUPPORTED BEAMS WILL HINDER THE HORIZONTAL PLATE, NOTCH THE CONNECTION AROUND THE HORIZONTAL PLATE (WELD ALL AROUND, B/S) OR FULLY DEVELOP THE HORIZONTAL PLATE ON BOTH SIDES OF THE CONNECTION.
5. LOCATE OPENINGS AT LEAST "D"/2 CLEAR AWAY FROM THE CONNECTIONS OF SUPPORTED BEAMS AND "D" CLEAR AWAY FROM SUPPORTED POSTS/COLUMNS AND BEAM ENDS.
6. PROVIDE UNIT PRICES FOR ADDITIONAL OPENINGS, PER NOTE #7. SEE MEP DRAWINGS FOR OPENINGS.
7. BASE BID SHALL INCLUDE 12"D x 36"L OPENINGS WITH 5/8" THICK x 4" WIDE PL'S (B/S) WEB - 20 FIELD OPENINGS IN EXISTING BEAMS AND 20 OPENINGS EACH IN SHOP AND FIELD. ALLOWANCE IS IN ADDITION TO THOSE SHOWN ON PLANS - SEE NOTE #6 ABOVE.

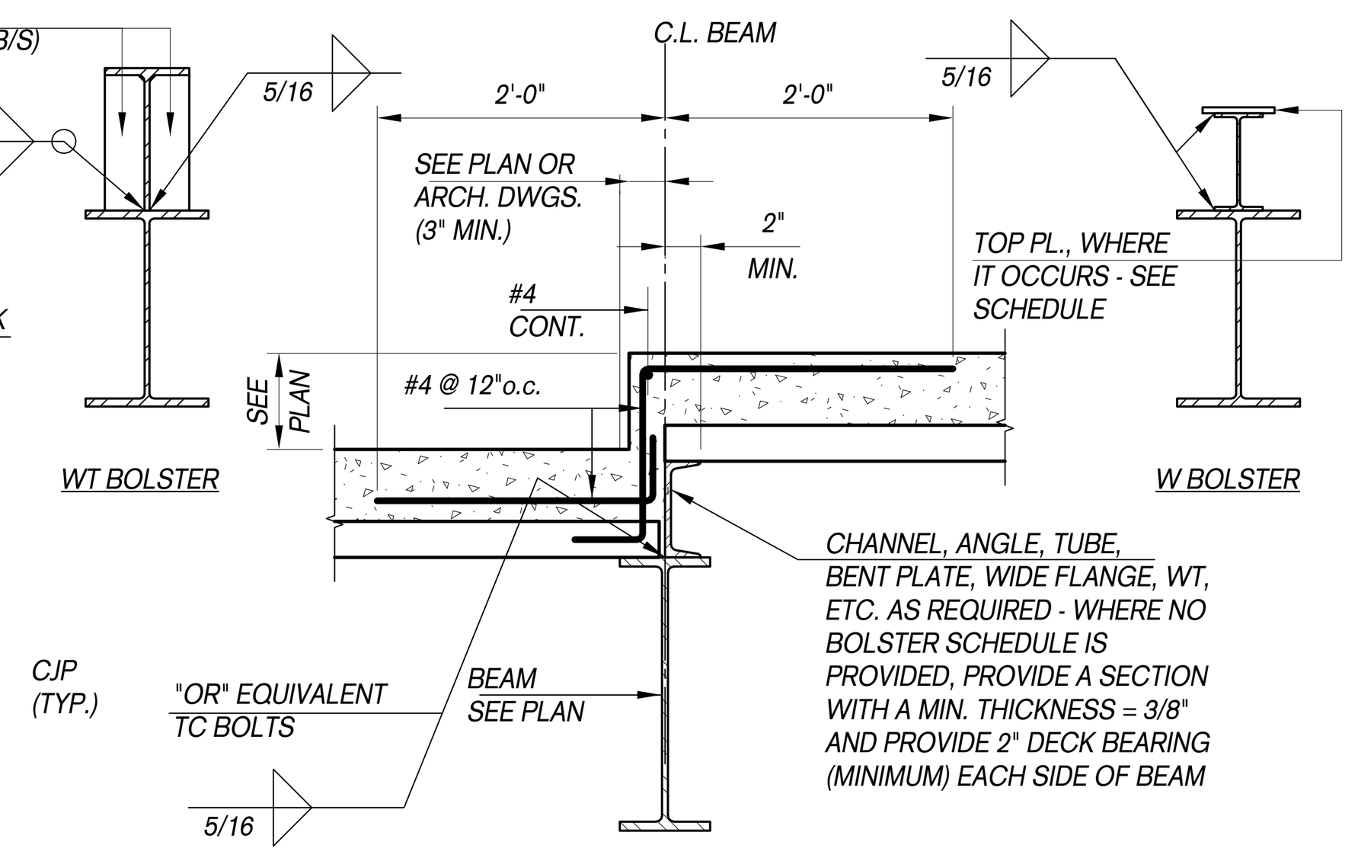


CIRCULAR - FIELD CUT
FOR BALANCE, SEE ABOVE

DETAILS FOR OPENINGS IN BEAM WEBS



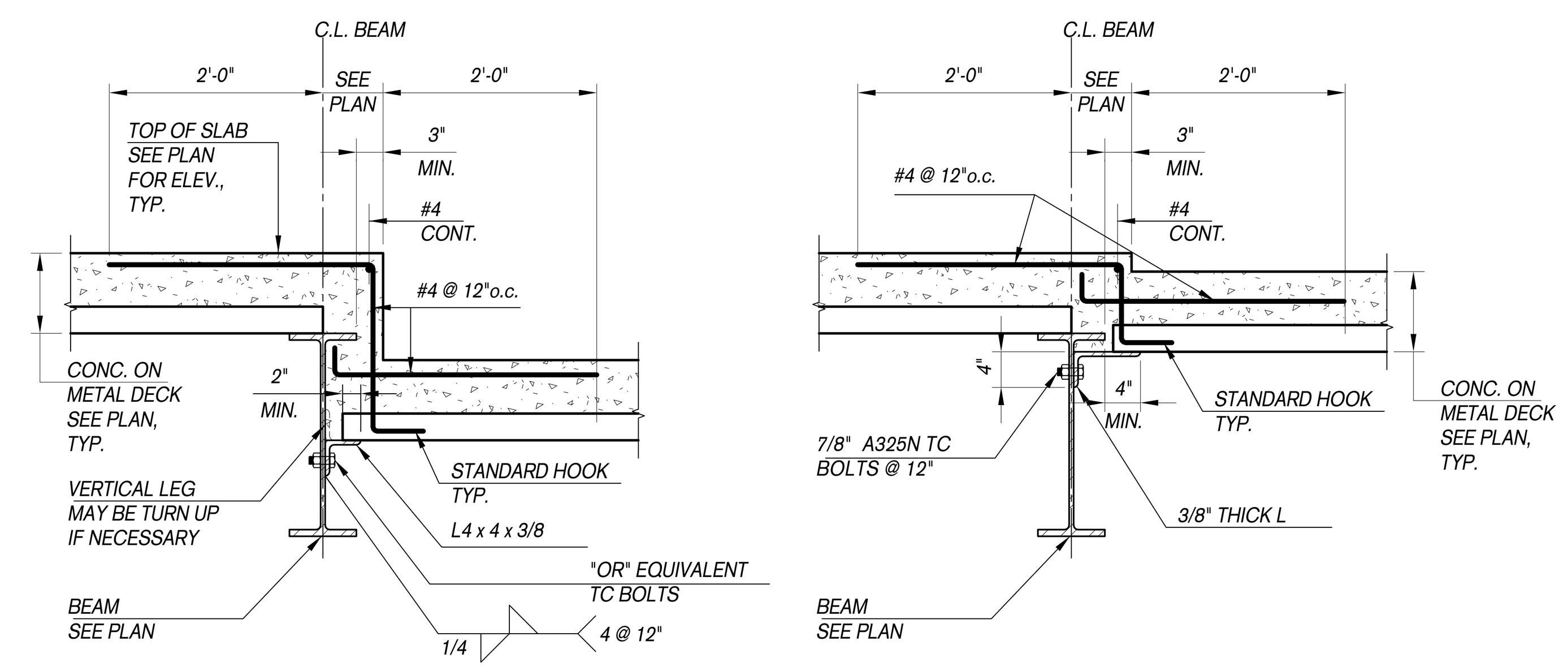
TYPICAL DECK SUPPORT INTERFERENCE DETAIL



TYPICAL DECK BOLSTER DETAIL

NOTE:

1. PROVIDE THIS DETAIL WHEREVER WHEREVER "DECK BOLSTER" IS NOTED ON PLAN OR WHERE UNDERSIDE OF DECK IS HIGHER THAN TOP OF SUPPORTING BEAM (UNLESS SPECIFIC SECTION OR DETAIL IS SHOWN). SEE BOLSTER SCHEDULE, WHERE PROVIDED.

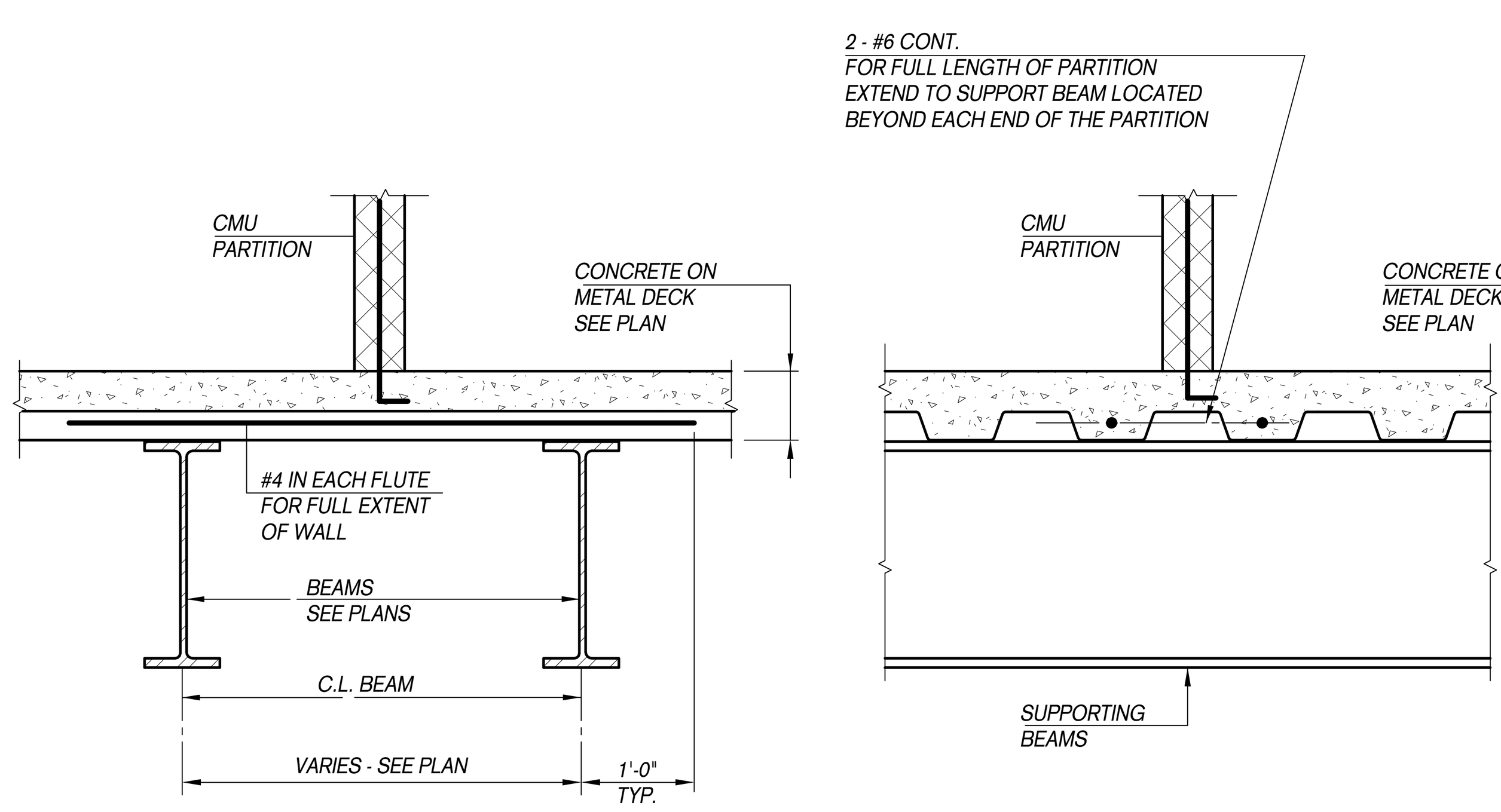


WHERE LOW DECK CLEARS BEAM FLANGE — WHERE LOW DECK DOES NOT CLEAR BEAM FLANGE

TYPICAL DECK SUPPORT DETAIL

NOTE:

1. PROVIDE THIS DETAIL WHEREVER UNDERSIDE OF DECK IS LOWER THAN TOP OF SUPPORTING BEAM (UNLESS SPECIFIC SECTION OR DETAIL IS SHOWN).

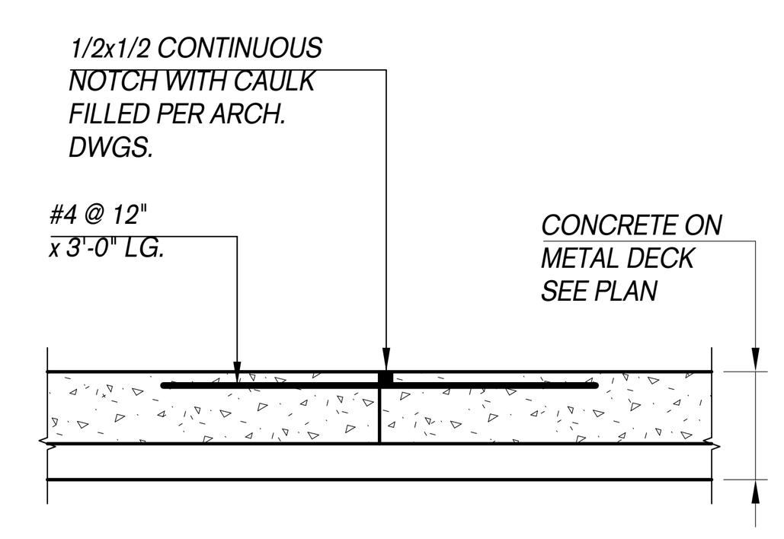


PARTITION PERPENDICULAR TO DECK SPAN — PARTITION PARALLEL TO DECK SPAN

TYPICAL CMU SUPPORT DETAIL

NOTE:

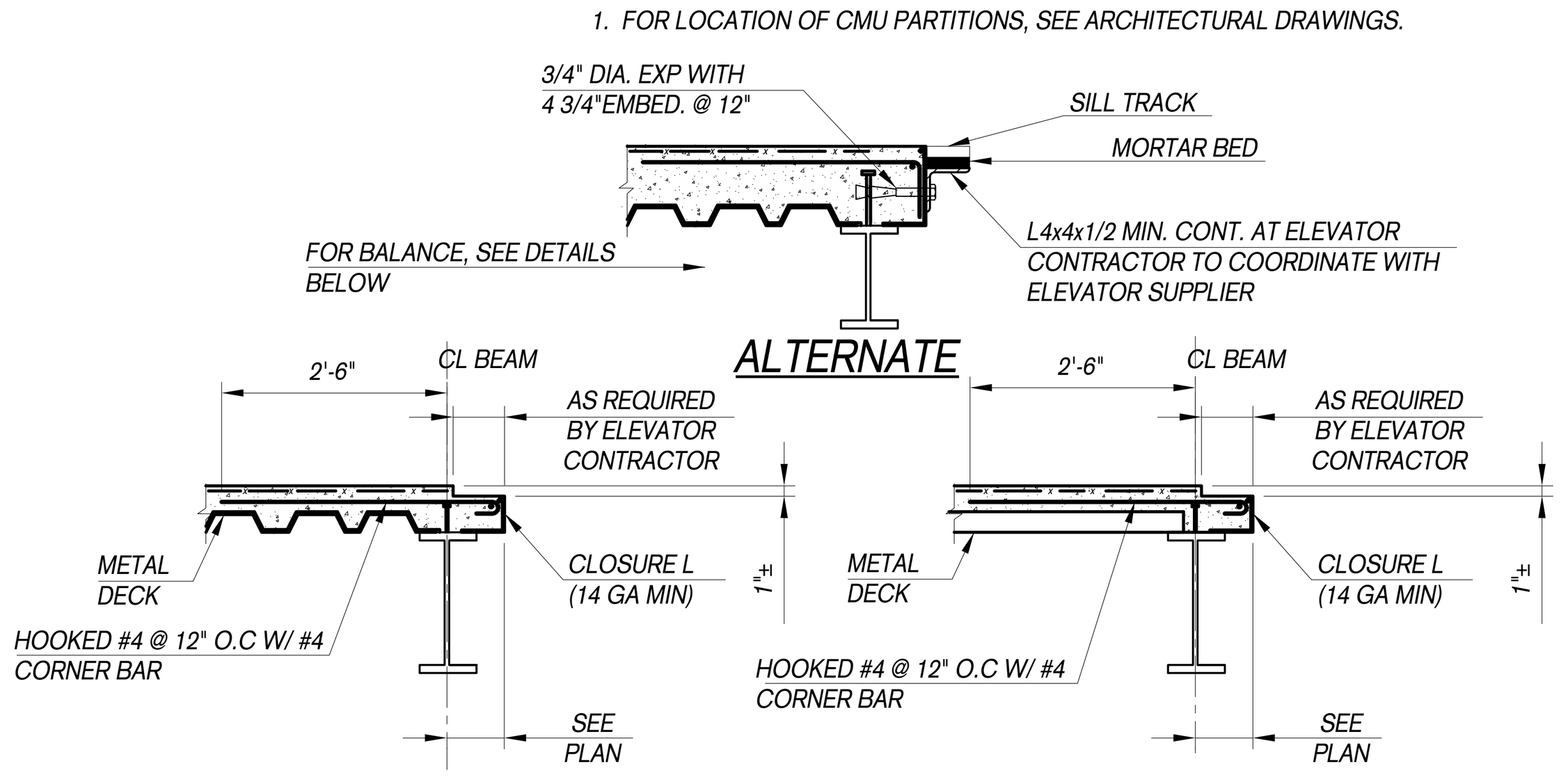
1. FOR LOCATION OF CMU PARTITIONS, SEE ARCHITECTURAL DRAWINGS.



NOTES:

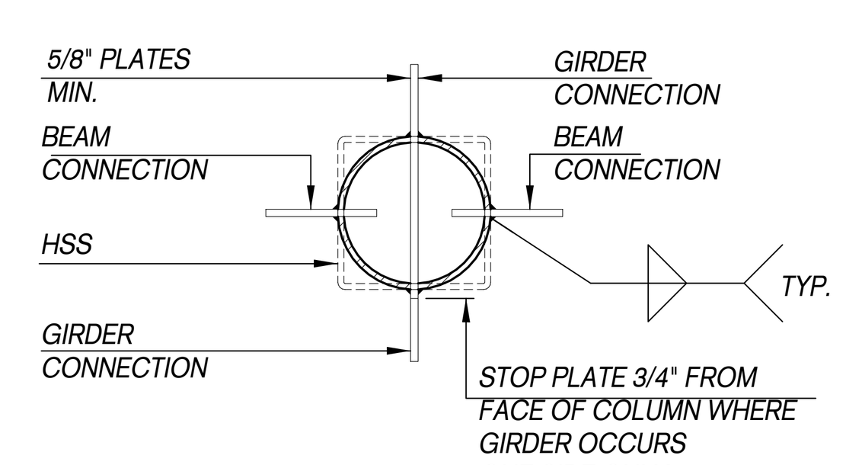
1. LOCATE JOINT MIDWAY BETWEEN FILLER BEAMS AND/OR 4'-0" (MIN.) FROM CENTERLINE OF GIRDER.
2. THE CONCRETE CONTRACTOR SHALL SUBMIT A DRAWING SHOWING THE LOCATION OF PROPOSED CONSTRUCTION JOINTS.

TYPICAL CONCRETE ON METAL DECK CONSTRUCTION JOINT DETAIL

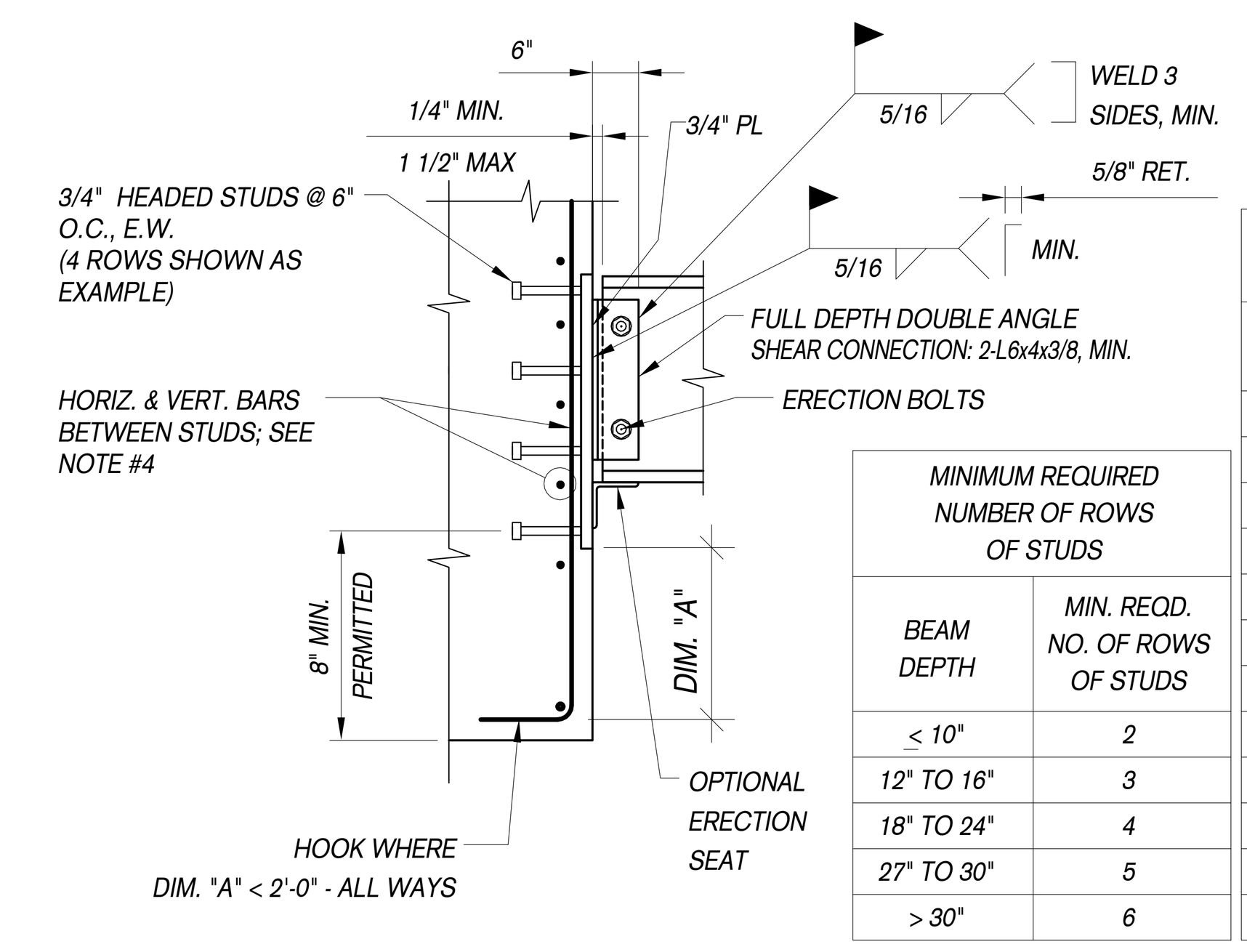


PLEASE NOTE: THE GC SHALL COORDINATE THESE DETAILS WITH THE ELEVATOR CONTRACTOR AND SUPPLIER.

TYPICAL DETAIL AT ELEVATOR SILLS STRUCTURAL STEEL



TYPICAL RECTANGULAR OR ROUND HSS COLUMN CONNECTION DETAILS



MINIMUM REQUIRED NUMBER OF ROWS OF STUDS	
BEAM DEPTH	MIN. REQD. NO. OF ROWS OF STUDS
≤ 10"	2
12" TO 16"	3
18" TO 24"	4
27" TO 30"	5
> 30"	6

EMBEDDED PLATE SHEAR CAPACITY	
NUMBER OF STUDS	FACTORED LOAD CAPACITY
4	30K
6	50K
8	80K
10	110K
12	145K
16	175K
20	225K
24	295K
28	360K
32	425K
36	470K
40	560K

INDICATES EMBEDDED PLATE CONNECTION ON FRAMING PLANS

NOTES:

1. HEADED STUDS SHALL BE INSTALLED IN SYMMETRICAL PATTERN ABOUT CENTERLINE OF STEEL BEAM.
2. MINIMUM REQUIRED EDGE DISTANCE FROM STUDS TO VERTICAL EDGE OF CONCRETE = 4".
3. STEEL CONNECTION ELEMENTS SHOWN ARE MINIMUMS - DESIGN FOR THE LOAD PRESCRIBED ON THE DRAWINGS.
4. HORIZONTAL AND VERTICAL REINFORCING STEEL SHALL OCCUR BETWEEN EACH ROW AND EACH COLUMN OF STUDS AND SHALL EXTEND 2'-0" MIN. BEYOND STUD GROUP EACH END (PROVIDE A 90° HOOK WHERE THIS CANNOT BE ACHIEVED, 8" MINIMUM EDGE DISTANCE REQ'D), EACH WAY. WHERE REINFORCING STEEL DOES NOT OCCUR AT THE REQUIRED LOCATIONS PROVIDE #5 BARS TO MEET CRITERIA.

STRUCTURAL STEEL CONNECTION TO CAST-IN-PLACE CONCRETE (EMBEDDED PLATE CONNECTION)

TYPICAL STEEL DETAILS III

3/4" = 1'-0"

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11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
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07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

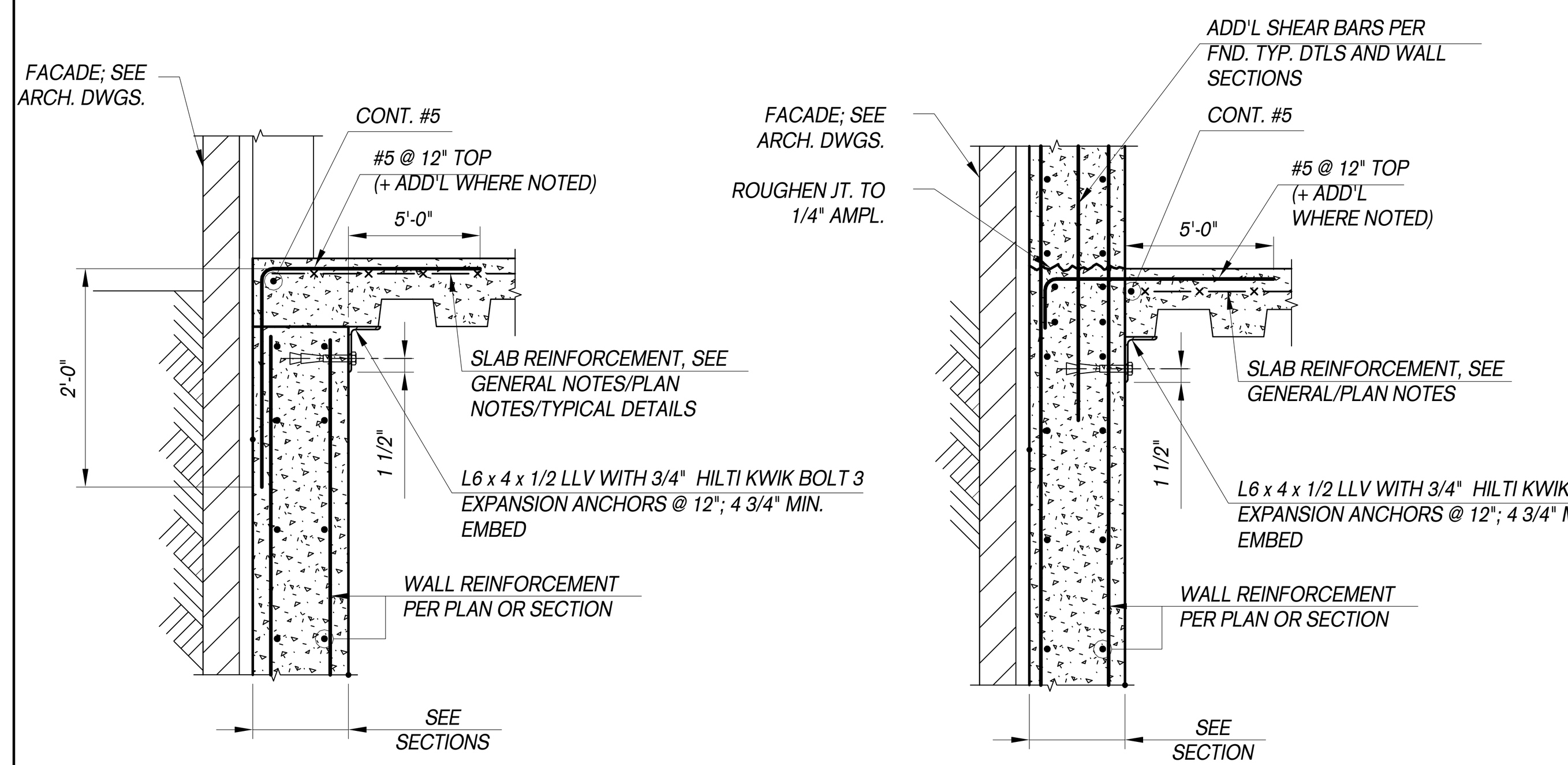
Sheet Title:
TYPICAL STEEL DETAILS III

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: 3/4" = 1'-0"

Signature & Seal:
STATE OF NEW YORK — CAWSIE JIJINA — 060340 — LICENSED PROFESSIONAL ENGINEER

Sheet Number: S-713.00

NYC DOB Number:
Sheet: of



@ TOP OF WALL

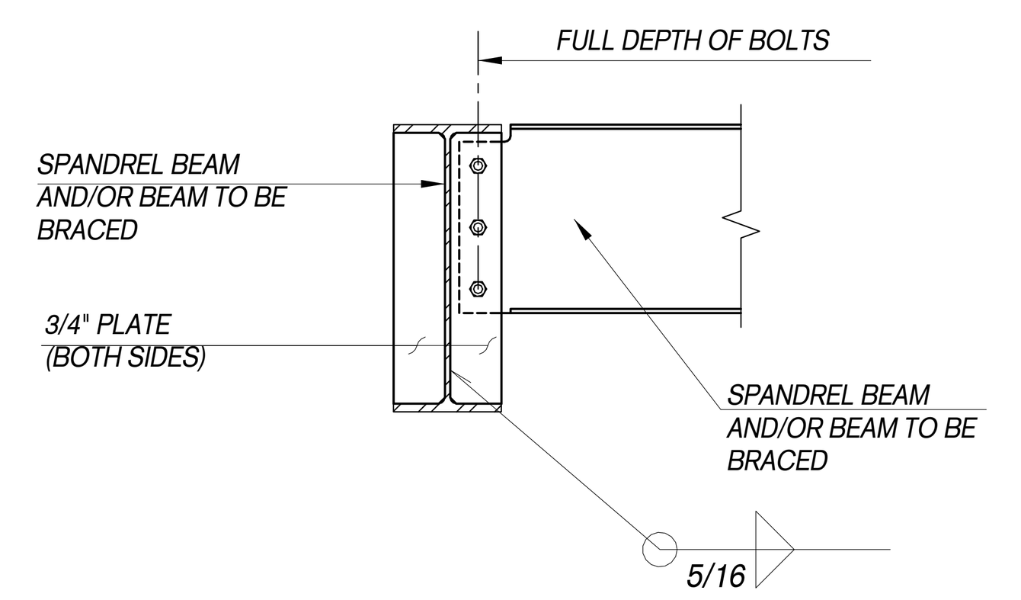
MID-SPAN OF WALL

SLAB ON METAL DECK CONNECTION TO FOUNDATION/BASEMENT WALL

3/4" = 1'-0"

NOTE:

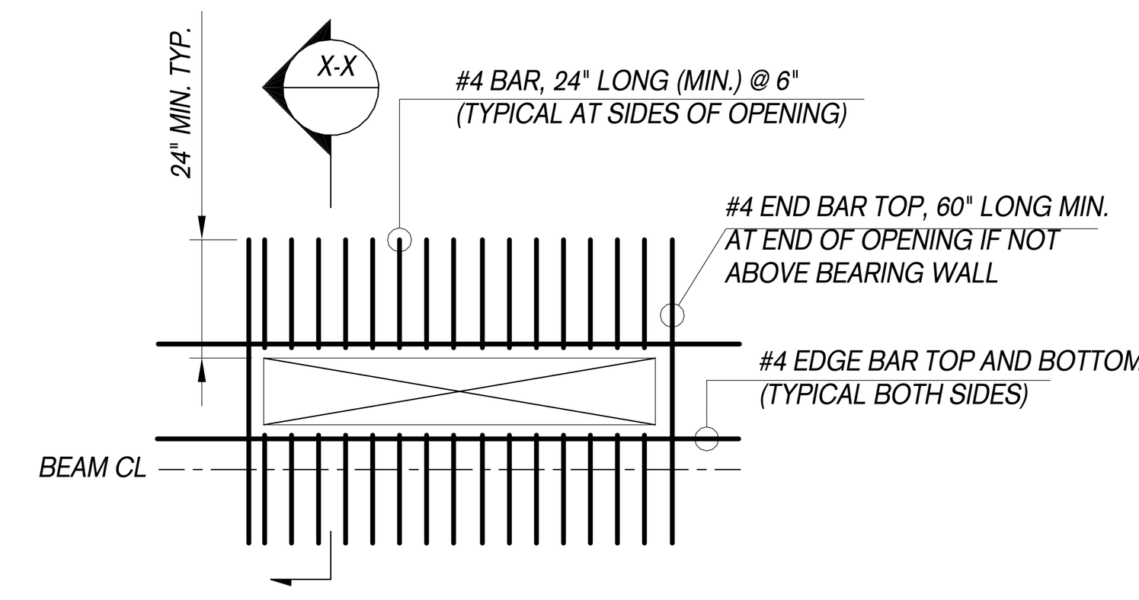
1. WHEN DECK SPANS PERPENDICULAR TO FACE OF WALL, PROVIDE DECK CELL CLOSURE AS REQUIRED TO PREVENT THE SPILLING OF CONCRETE.



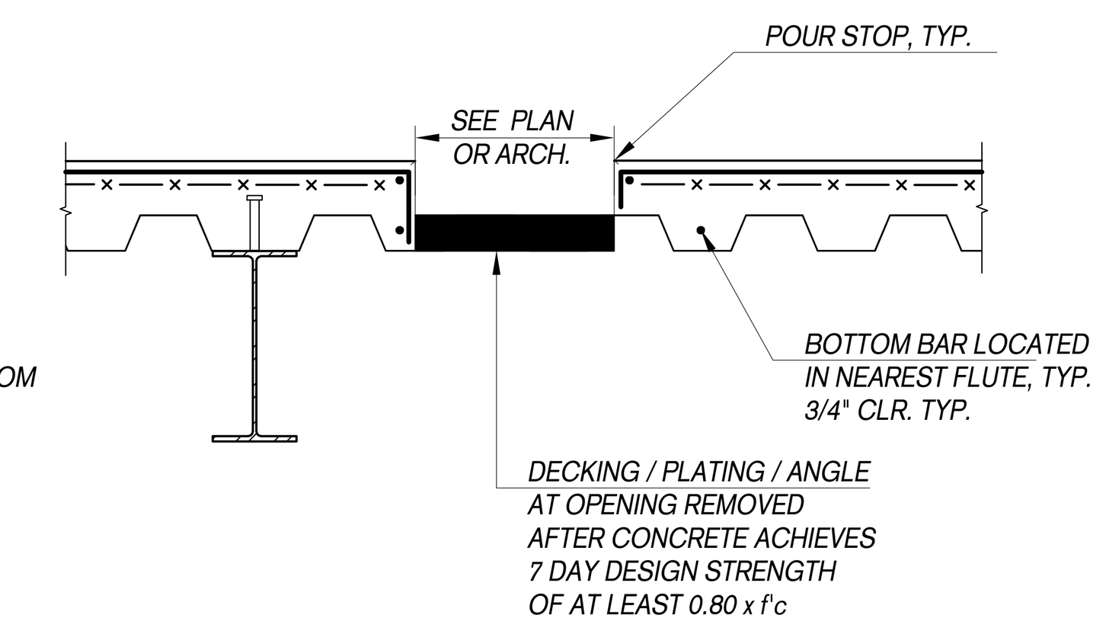
NOTES:

1. THIS DETAIL OCCURS AT ALL SPANDREL BEAMS.
2. THIS DETAIL SERVES AS A MINIMUM. DESIGN FOR THE BEAM END REACTIONS SHOWN ON PLAN.

TYPICAL BRACED CONNECTION DETAIL

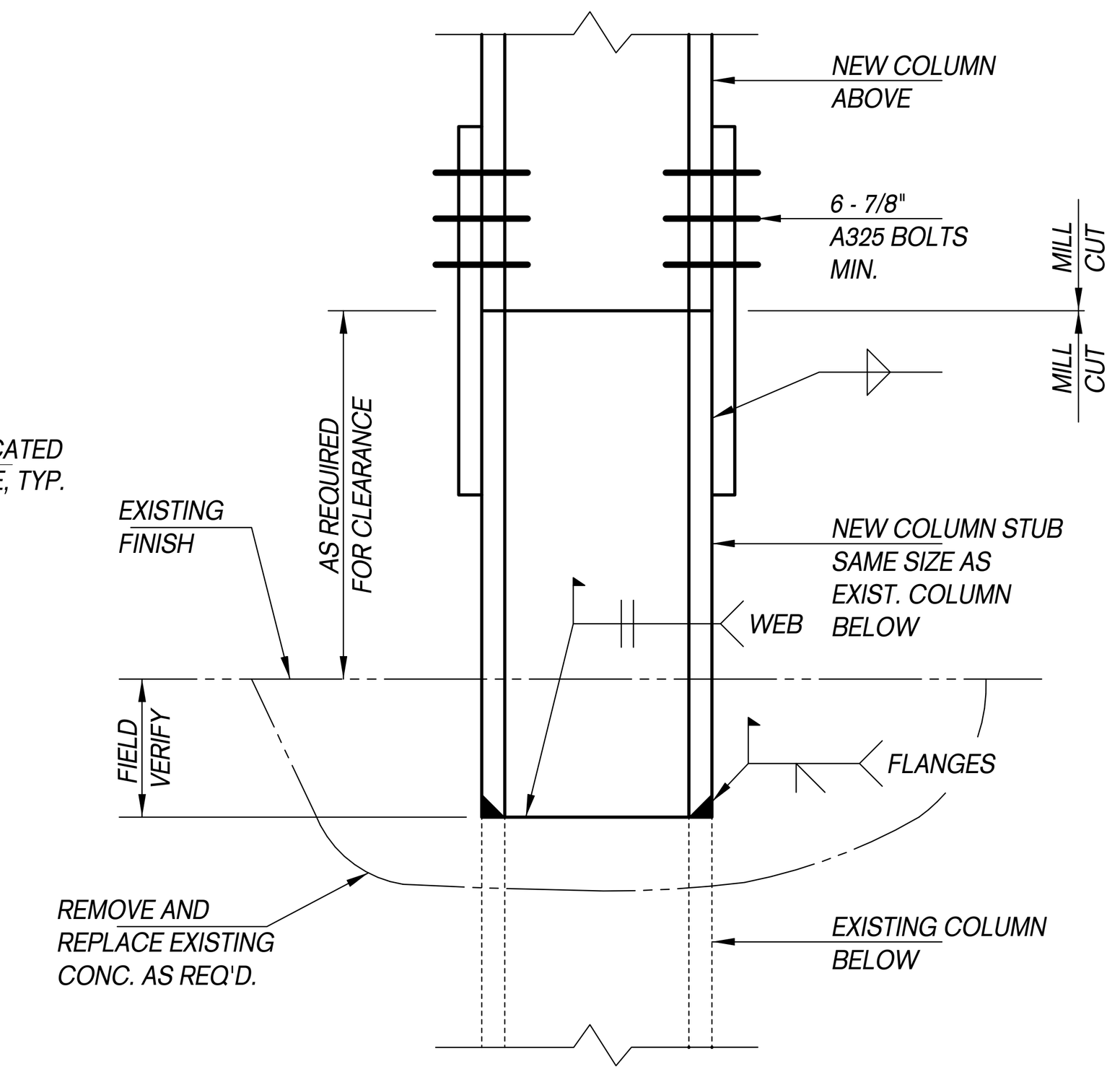


REINFORCEMENT AT TYPICAL CONCRETE DECK OPENING

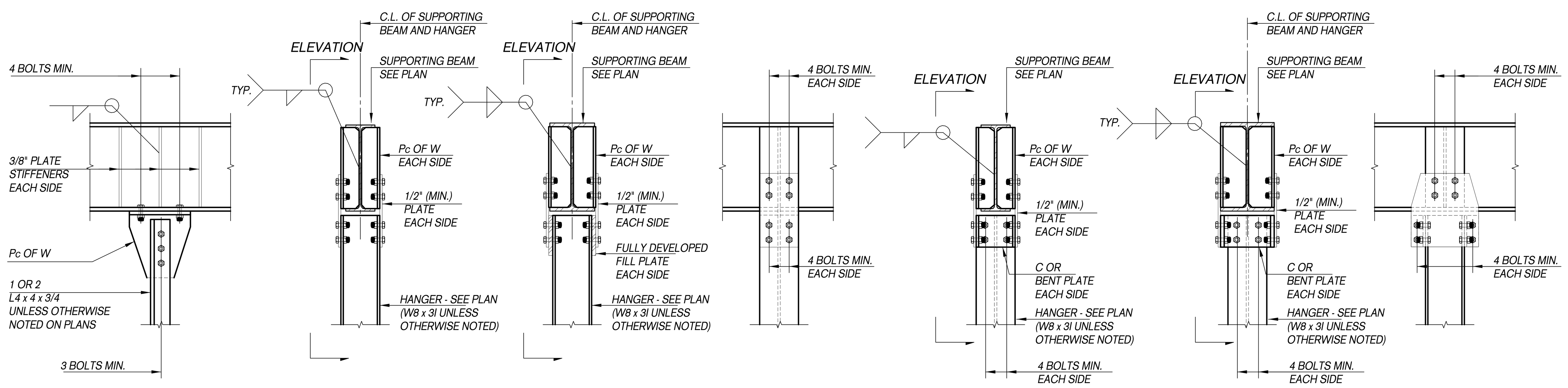


SECTION X - X

ALTERNATE TYPICAL DETAIL AT DECK OPENINGS 1 / S614



TYPICAL COLUMN EXTENSION DETAIL



ANGLE HANGERS

DEPTH OF HANGER IS GREATER THAN WIDTH OF SUPPPORTING BEAM

DEPTH OF HANGER IS LESS THAN WIDTH OF SUPPPORTING BEAM

ELEVATION

WIDTH OF HANGER IS GREATER THAN WIDTH OF SUPPPORTING BEAM

WIDTH OF HANGER IS LESS THAN WIDTH OF SUPPPORTING BEAM

ELEVATION

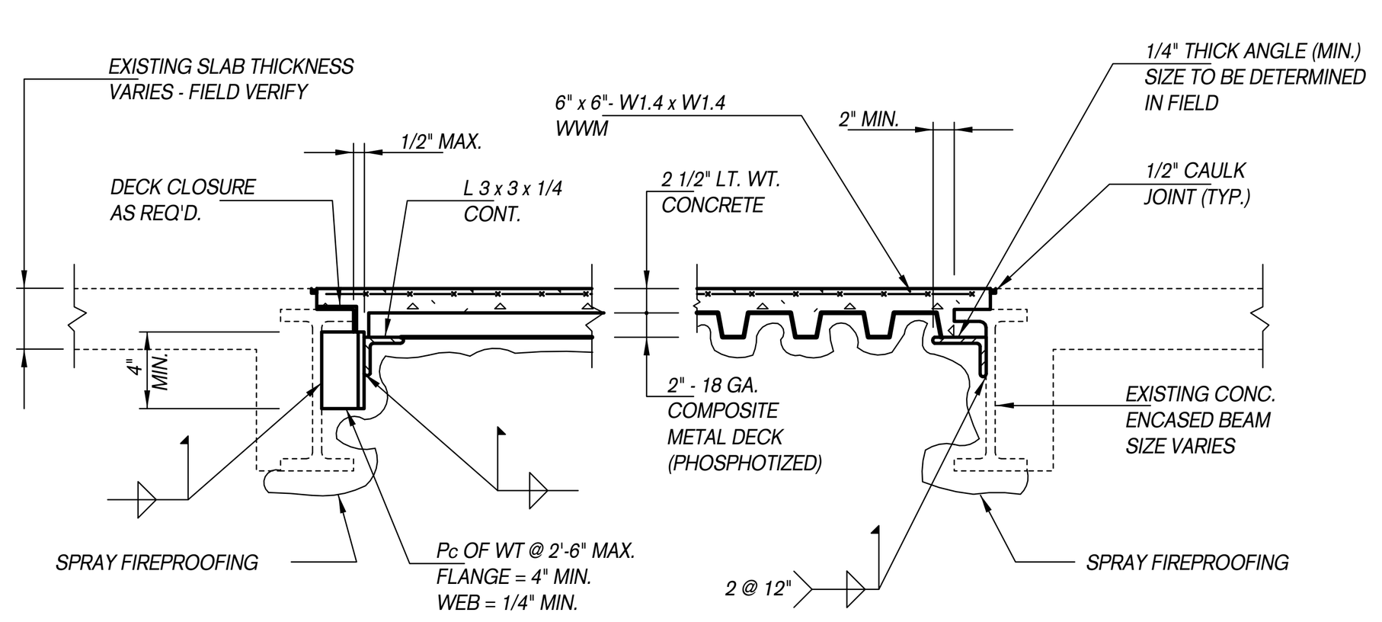
HANGER WEB PERPENDICULAR TO SUPPORTING BEAM WEB

HANGER WEBS PARALLEL TO SUPPORTING BEAMS

TYPICAL HANGER DETAILS

NOTES:

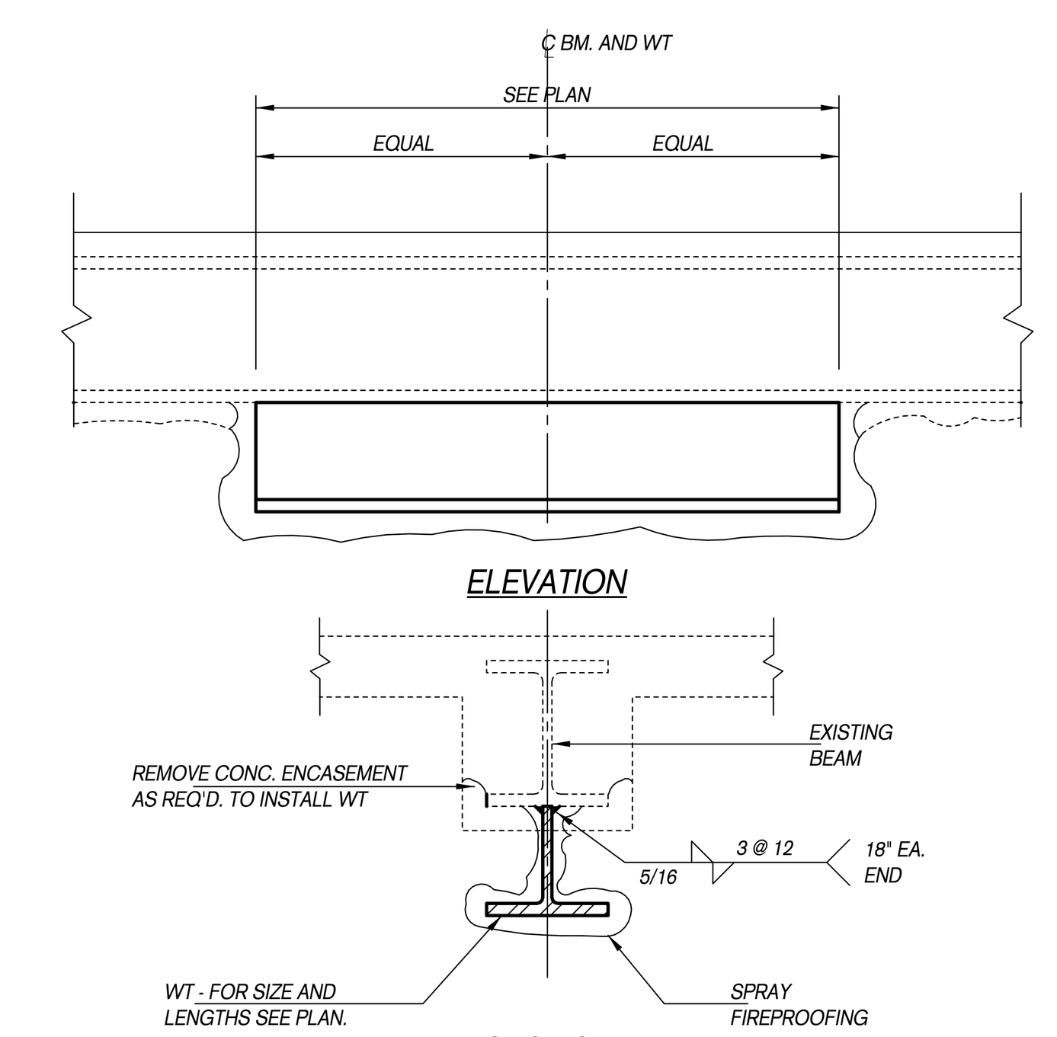
1. WHERE A REACTION IS NOT INDICATED ON THE DRAWINGS, THE CONNECTION OF THE HANGER TO THE SUPPORTING AND SUPPORTED BEAMS SHALL HAVE A CAPACITY EQUAL TO OR GREATER THAN THE FULL TENSILE YIELD CAPACITY OF THE HANGER DETERMINED IN ACCORDANCE WITH AISC SPECIFICATIONS.
2. ALL BOLTS SHALL BE 7/8" A325 OR 1 1/8" A490 HIGH STRENGTH PRE-TENSIONED BOLTS.
3. ALLOWABLE WELD, BOLT, CONNECTION PLATES, PIECES OF WIDE FLANGES AND CHANNEL CAPACITIES SHALL BE AS REQUIRED BY AISC SPECIFICATIONS.



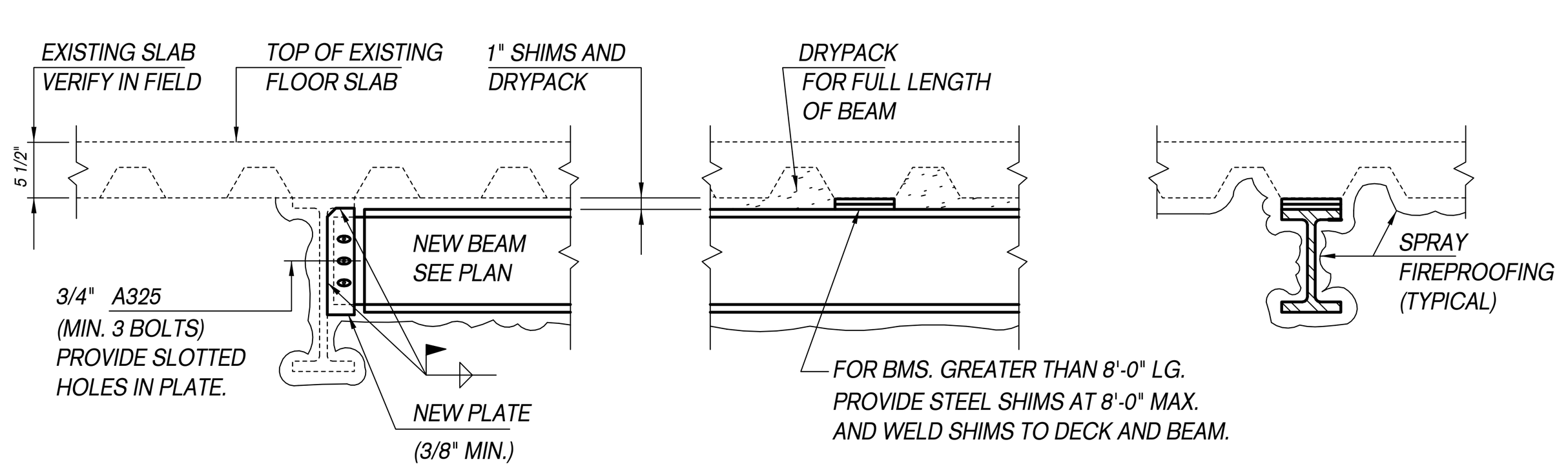
PERPENDICULAR TO DECK

PARALLEL TO DECK

TYPICAL INFILL DECK SUPPORT DETAIL AT STEEL FRAMED FLOORS



TYPICAL REINFORCED EXISTING BEAM DETAIL



CONNECTION TO EXISTING BEAM

BEAM PERPENDICULAR TO DECK

BEAM PARALLEL TO DECK

TYPICAL CONSTRUCTION DETAIL

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

Design 2147 Limited | Code Consultant
52 Diamond Street, Brooklyn, NY 11222
718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

Theatre Projects Consultants | Theater Consultant
47 Water Street
South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

Fisher Marantz Stone | Lighting Design
22 West 19th Street, Floor 6
New York, NY 10011
212 691 3020 | fmsp.com

Jaffe Holden | Acoustic Consultant
114-A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

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Sheet Title:
TYPICAL STEEL DETAILS IV

Project Number: 13649
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Checked By: CJ
Scale: 3/4" = 1'-0"

Signature & Seal:

Sheet Number:
S-714.00

NYC DOB Number:

Sheet: of

GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE 2014 BUILDING CODE OF THE CITY OF NEW YORK.

2. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS, THE ARCHITECTURAL AND MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.

3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE PROCEEDING. ANY VARIANCES FROM THE EXISTING DRAWINGS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION. AS EXISTING STRUCTURAL FIELD CONDITIONS ARE UNKNOWN, THE EXISTING STRUCTURAL DRAWINGS ARE SCHEMATIC AND ILLUSTRATIVE ONLY.

4. THE CONTRACTOR SHALL VERIFY ALL DRAWINGS FOR COORDINATION BETWEEN TRADES, LOCATE SLOTS, TRENCHES (IF ANY) AND SLEEVES AS REQUIRED FOR THE MECHANICAL TRADES. PROVIDE AND/OR INSTALL ANCHORS, INSERTS, HANGERS, ETC. AS REQUIRED FOR THE VARIOUS TRADES.

5. THE CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR THE SAFETY OF THE EXISTING AND/OR ADJOINING STRUCTURES AND FOR ANY METHODS REQUIRED TO ENSURE THAT SAFETY.

6. THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR ALL WORKING CONDITIONS AND SAFETY PRECAUTIONS.

7. THE CONTRACTOR SHALL MAKE NO DEVIATION FROM DESIGN DRAWINGS WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT.
8. REFER TO DRAWINGS S-070 AND S-170 FOR ADDITIONAL GENERAL NOTES.

SI STRUCTURAL INSPECTIONS

SI1. ALL PROGRESS INSPECTIONS SHALL CONFORM TO CHAPTER 1 OF THE NEW YORK CITY BUILDING CODE. ALL SPECIAL INSPECTIONS SHALL CONFORM TO CHAPTER 17 OF THE NEW YORK CITY BUILDING CODE.

SI2. THE FOLLOWING PROGRESS INSPECTIONS ARE REQUIRED:

A. FOOTING AND FOUNDATION (BC 109.3.1)

SI3. THE FOLLOWING SPECIAL INSPECTIONS ARE REQUIRED:

A. STRUCTURAL STEEL - WELDING (BC 1704.3.1)
B. STRUCTURAL STEEL - DETAILS (BC 1704.3.2)
C. STRUCTURAL STEEL - HIGH STRENGTH BOLTING (BC 1704.3.3)
D. STRUCTURAL COLD-FORMED STEEL (BC 1704.3.4)
E. CONCRETE - CAST-IN-PLACE (BC 1704.4)
F. SUBGRADE INSPECTION (BC 1704.7.1)
G. DEEP FOUNDATION ELEMENTS (TR5) (BC 1704.8)
H. STRUCTURAL STABILITY – EXISTING BUILDINGS (BC 1704.20.1)
I. EXCAVATIONS- SHEETING, SHORING AND BRACING (BC 1704.20.2)
J. UNDERPINNING (BC 1704.20.3 & 1814)
K. POST INSTALLED ANCHORS (BB# 2014-018 & 2014-019) (BC 1704.32)
L. CONCRETE DESIGN MIX (TR3) (BC 1905.3 & 1913.5)
M. CONCRETE SAMPLING AND TESTING (TR2) (BC 1905.6 & 1913.10)

SI4. SPECIAL INSPECTIONS SHALL BE CONTINUOUS EXCEPT WHERE PERIODIC SPECIAL INSPECTIONS ARE SPECIFICALLY PERMITTED BY THE BUILDING CODE.

SI5. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED BY SPECIAL INSPECTORS AND AGENCIES QUALIFIED BY THE CITY OF NEW YORK AND ACCEPTABLE TO THE ENGINEER OF RECORD.

SI6. ALL WORK FOR WHICH SPECIAL INSPECTION IS REQUIRED SHALL REMAIN ACCESSIBLE AND EXPOSED UNTIL APPROVED BY THE SPECIAL INSPECTOR.

SI7. ALL SPECIAL INSPECTORS SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF THE OWNER AND ENGINEER OF RECORD.

SI8. ALL SPECIAL INSPECTORS SHALL FURNISH INSPECTION REPORTS TO THE OWNER AND TO THE ENGINEER OF RECORD.

SN STAGING NOTES

SN1. COORDINATE ALL THE STRUCTURAL DRAWINGS WITH THE STAGING AND SEQUENCING REQUIREMENTS SHOWN IN GENERAL, DEMOLITION, ARCHITECTURAL, MECHANICAL AND REMOVAL DRAWINGS.

F FOUNDATION WORK

F.1 FOOTINGS S HALL BEAR ON UNDISTURBED ROCK HAVING A SAFE BEARING CAPACITY OF 40 TONS PER SQ. FT.

F.2 ELEVATIONS OF THE BOTTOM OF THE FOOTINGS ARE INDICATED ON THE FOUNDATION PLAN, BUT ARE SUBJECT TO REVISION WHEN THE TRUE CONDITIONS ARE REVEALED BY THE EXCAVATIONS.

F.3 THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER AND/OR THE FOUNDATION CONTRACTOR SHALL BE SOLELY AND FULLY RESPONSIBLE FOR ALL EXCAVATION WORK INCLUDING BUT NOT LIMITED TO THE DESIGN, INSTALLATION AND MAINTENANCE OF SHEETING AND SHORING, PROTECTION OF SLOPES, UNDERPINNING AND DEWATERING.

F.4 THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER AND/OR THE FOUNDATION CONTRACTOR SHALL RETAIN A PROFESSIONAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED TO DESIGN ALL SHEETING AND SHORING, UNDERPINNING AND DEWATERING SYSTEMS.

F.5 THE SLOPE BETWEEN ADJACENT FOOTING BOTTOMS SHALL NOT EXCEED 1 VERTICAL TO 1 HORIZONTAL.

F.6 FOUNDATION WALLS AND/OR GRADE BEAMS SHALL BE CAST IN ALTERNATE PANELS NOT TO EXCEED 60 FEET IN LENGTH. CONSTRUCTION JOINTS SHALL BE PLACED AT POINTS OF MINIMUM SHEAR, GENERALLY AT MIDSPAN. ALLOW 7 DAYS MINIMUM BETWEEN ADJACENT POURS.

F.7 HORIZONTAL JOINTS IN WALLS OR GRADE BEAMS WILL BE PERMITTED ONLY IF AND AS SHOWN.

F.8 FOUNDATION WALLS AND/OR GRADE BEAMS, SHALL BE TEMPORARILY BRACED LATERALLY TO RESIST EARTH PRESSURE, WIND, CONSTRUCTION LOADS AND OTHER LATERAL LOADS UNTIL FRAMED SLABS AND SLABS ON GRADE THAT PERMANENTLY BRACE THESE WALLS AND/OR GRADE BEAMS HAVE BEEN IN PLACE 28 DAYS (MINIMUM).

F.9 TRUCKS, BULLDOZERS OR OTHER HEAVY EQUIPMENT SHALL NOT BE PERMITTED CLOSER THAN 8'-0" FROM ANY FOUNDATION WALL BEFORE THE COMPLETE STRUCTURAL FRAME IS IN PLACE.

F.10 CONTRACTOR SHALL NOTIFY THE NYC DOB 24 TO 48 HOURS BEFORE EARTHWORK BEGINS.

C CAST-IN-PLACE CONCRETE

C.1 ALL CONCRETE WORK SHALL CONFORM TO THE 2005 ACI BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-05).

C.2 CONCRETE

C.2A UNLESS OTHERWISE NOTED, ALL CONCRETE SHALL BE AS SHOWN ON PLANS AND SCHEDULE (SEE TABLE C.2.1) AT 28 DAYS.

C.3 REINFORCING

C.3A REINFORCING BARS SHALL BE DEFORMED BARS OF NEW BILLET STEEL CONFORMING TO ASTM A 615, GRADE 60 REINFORCING BARS #10 AND SMALLER. #11 REINFORCING BARS AND LARGER SHALL BE STEEL GRADE 75.

C.3B WELDED WIRE FABRIC SHALL CONFORM TO ASTM A 82 AND A 185.

C.3C REINFORCING STEEL SHALL BE DETAILED AND INSTALLED TO HAVE THE FOLLOWING CONCRETE CLEAR COVER DIMENSIONS, UNLESS NOTED OTHERWISE.

REINF. STEEL IN CONCRETE CAST AGAINST SOIL	3"
REINF. STEEL IN CONCRETE EXPOSED TO SOIL OR WEATHER #5 BARS AND SMALLER #6 BARS AND LARGER	 1 1/2" 2"
SLAB REINF. NOT EXPOSED TO SOIL OR WEATHER	3/4"
WALLS NOT EXPOSED TO SOIL OR WEATHER	3/4"
CONCRETE CURBS EXPOSED TO WEATHER (#5 BARS AND SMALLER)	1 1/2"
BEAM STIRRUPS AND COLUMN TIES	1 1/2"

C.3D SPLICES IN REINFORCING STEEL BE MADE ONLY AT THOSE LOCATIONS WHERE SPLICES ARE SHOWN ON THE STRUCTURAL DRAWINGS AND AT THOSE LOCATIONS WHERE SPLICES HAVE BEEN DETAILED ON THE REINFORCING STEEL PLACING DRAWINGS THAT HAVE BEEN REVIEWED BY THE STRUCTURAL ENGINEER. ALL SPLICES SHALL BE CLASS "B" TENSION LAP SPLICES (SEE TABLE C.3.1). LENTON SPLICE COUPLERS (OR APPROVED EQUAL) CAPABLE OF DEVELOPING 125% OF THE TENSILE STRENGTH OF THE REINFORCING STEEL MAY BE USED INSTEAD OF THE TENSION LAP SPLICES AT THE CONTRACTOR'S OPTION AT ANY LOCATION.

C.4 ADMIXTURES

C.4A ALL CONCRETE EXPOSED TO THE WEATHER IN THE FINISHED BUILDING AND ALL LIGHTWEIGHT CONCRETE SHALL BE AIR-ENTRAINED.

C.4B ALL STONE CONCRETE FOR SLABS ON GRADE AND LIGHTWEIGHT CONCRETE ON METAL DECK SHALL CONTAIN A HIGH RANGE WATER REDUCING ADMIXTURE (SUPERPLASTICIZER).

C.4C ALL CONCRETE SHALL CONTAIN A CALCIUM NITRATE BASED CORROSION INHIBITOR SUCH AS D.C.I., AS MANUFACTURED BY W.R. GRACE, IN THE AMOUNT OF 3.6 GALLONS PER CUBIC YARD OF CONCRETE, OR APPROVED EQUIVALENT.

C.5 DEVELOPMENT LENGTHS OF REINFORCING (1.3Ld, Ldh or Ldc) SHALL BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318 (CHAPTER 12), TABLE C.3.1, AND DRAWING S-605.

C.6 ALL HORIZONTAL BARS IN WALLS AND BEAMS, AND BARS MARKED CONT. (CONTINUOUS) SHALL BE LAPPED A DISTANCE 1.3Ld AT SPLICES AND AT CORNERS UNLESS OTHERWISE NOTED. LAP CONTINUOUS TOP BARS AT CENTER BETWEEN SUPPORTS AND BOTTOM BARS AT SUPPORTS. HOOK ALL TOP BARS AT NON-CONTINUOUS ENDS.

C.7 ALL LENGTHS OF HOOKED BARS INDICATED ON DRAWINGS DO NOT INCLUDE EXTENSION FOR HOOK.

C.8 ALL DETAILS OF BENDS AND HOOKS SHALL BE DETERMINED IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318 (CHAPTER 7) AND DRAWING S-605.

C.9 ALL REINFORCING SHALL BE HELD RIGIDLY AND ACCURATELY IN PLACE, AND PROTECTED AGAINST DISPLACEMENT BEFORE AND DURING CASTING. IF NECESSARY, ADDITIONAL BARS AND/OR STIRRUPS SHALL BE PROVIDED TO FURNISH SUPPORT FOR ALL REINFORCING.

C.10 PROVIDE CLEARANCES FROM FACES OF CONCRETE TO REINFORCEMENT IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 7. IN THE FIRST PARAGRAPH OF 7.7.1, THE WORD "MINIMUM" SHALL BE REPLACED WITH THE WORD "CLEAR".

C.11 PROVIDE SHRINKAGE AND TEMPERATURE REINFORCEMENT FOR ALL STRUCTURAL SLABS WHERE THE FLEXURAL REINFORCING EXTENDS IN ONE DIRECTION ONLY, IN ACCORDANCE WITH THE REQUIREMENTS OF ACI 318, CHAPTER 7.

C.12 PRIOR TO THE START OF WORK, THE CONCRETE CONTRACTOR SHALL COORDINATE AND DETERMINE WITH THE GENERAL CONTRACTOR OR THE CONSTRUCTION MANAGER ALL DIMENSIONS AND LOCATIONS OF SLAB DEPRESSIONS, FLOOR DRAINS, OPENINGS, SLEEVES, CONCRETE CURBS, PADS AND EQUIPMENT BASES AND OTHER SIMILAR ITEMS. THE PROVISION OF THESE ITEMS SHALL BE PART OF THE CONCRETE CONSTRUCTION WORK.

C.13 THE CONCRETE CONTRACTOR SHALL INSTALL IN THE FORMS ALL SLOTS, SLEEVES, INSERTS, ANCHOR BOLTS, HANGERS, MASONRY ANCHORS, ETC., REQUIRED BY OTHER TRADES AND SHALL COORDINATE WITH THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER FOR COMPLETENESS AND LOCATION BEFORE CONCRETE IS CAST.

C.14 IF PIPES OR CONDUITS ARE TO BE PLACED IN SLABS, THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER, PRIOR TO THE START OF WORK, SHALL SUBMIT TO THE ARCHITECT FOR APPROVAL DRAWINGS SHOWING THE SIZE, LOCATION (VERTICALLY AND HORIZONTALLY) AND SPACING OF PIPES AND/OR CONDUITS.

C.15 PIPES OR CONDUITS PLACED IN SLABS SHALL NOT BE LARGER THAN 1/3 THE SLAB THICKNESS AND SHOULD NOT BE SPACED CLOSER THAN 3 DIAMETERS ON CENTER AND SHOULD NOT BE PLACED IN THE INTERSECTION OF COLUMN STRIPS FOR FLAT SLABS.

C.16 ALUMINUM CONDUITS OR PIPES SHALL NOT BE PLACED IN CONCRETE.

C.17 ALL BEAMS AND SLABS SHALL BE CAST MONOLITHICALLY, AND THE SLABS FINISHED AS REQUIRED BY THE SPECIFICATIONS.

C.18 VERTICAL CONSTRUCTION JOINTS USING APPROVED BULKHEADS MAY BE MADE AT MID-SPAN OF BEAM OR SLAB SPANS WHERE A STOP IN CONCRETE WORK IS NECESSARY. FOR ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS, SEE TYPICAL DETAILS.

C.19 HORIZONTAL CONSTRUCTION JOINTS SHALL BE PERMITTED IN SLABS BEAMS, JOISTS AND WALLS ONLY IF AND AS SHOWN. DELAY THE CURING UNTIL THE MORNING AFTER THE CONCRETE IS CAST.

C CAST-IN-PLACE CONCRETE (CONTINUED)

C.20 ALL PLUMBING SLOTS AROUND SLEEVES SHALL BE FILLED WITH CONCRETE TO THE SAME DEPTH AS FLOOR SLAB AFTER PIPING IS INSTALLED.

C.21 CONCTRACTOR SHALL INCLUDE IN THE BID PRICE THE COST OF AN ADDITIONAL FIVE (5) TONS OF REINFORCEMENT, INSTALLED AND IN PLACE TO BE USED AT THE DISCRETION OF THE STRUCTURAL ENGINEERING DESIGN PROFESSIONAL. THE UNUSED PORTION OF THIS ALLOWANCE SHALL BE CREDITED BACK TO THE OWNER UPON COMPLETION OF THE STRUCTURAL FRAME.

C.22 ALL CONCRETE TOPPINGS, FILLS AND PROTECTION SLABS SHALL BE REINFORCED WITH 6" X 6"-W3 X W3 WELDED WIRE FABRIC PLACED 1" BELOW THE TOP OF FINISHED CONCRETE.

C.23 CONCRETE PADS AND EQUIPMENT BASES SHALL BE REINFORCED WITH 6" X 6"-W5 X W5 WELDED WIRE FABRIC PLACED 1" FROM THE TOP OF PAD, UNLESS OTHERWISE NOTED ELSEWHERE. FOR LOCATIONS, SIZES AND THICKNESSES, SEE ARCHITECTURAL, AND/OR STRUCTURAL AND/OR MECHANICAL DRAWINGS.

C.24 FOR TREATMENT OF EXPOSED CONCRETE, SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.

C.25 CHAMFER EDGES OF EXPOSED CONCRETE COLUMNS AND BEAMS. PROVIDE REGLETS AND DRIPS AS SHOWN ON THE ARCHITECTURAL DRAWINGS AND IN THE SPECIFICATIONS.

C.26 CURING OF CONCRETE SHALL START AS SOON AS THE FINISH WILL NOT BE MARRED THEREBY. IT SHALL NOT BE PERMISSABLE TO

TABLE C.2.1 MINIMUM CONCRETE STRENGTH SCHEDULE

LOCATION/MEMBER		MIN. COMPRESSIVE STRENGTH, f'c AT 28 DAYS (PSI)
SLABS AND BEAMS	NORMAL WEIGHT - FOUNDATION THRU LEVEL 15	9,000 PSI
	NORMAL WEIGHT - LEVEL 16 THRU 27	10,000 PSI
	NORMAL WEIGHT - LEVEL 28 THRU 37	8,000 PSI
	NORMAL WEIGHT - LEVEL 38 THRU ROOF	6,000 PSI
FOUNDATIONS	MAT FOUNDATIONS	8,000 PSI
	FOOTINGS/CAISSON CAPS/TIE BEAMS (U.O.N)	8,000 PSI
	PERIMETER BASEMENT/RETAINING WALLS	8,000 PSI
SHEAR WALLS	FOUNDATION THRU LEVEL 7	12,000 PSI
	FOR BALANCE ABOVE LEVEL 7, SEE COL. SCHEDULE	-
COLUMNS	FOUNDATION THRU LEVEL 7	12,000 PSI
	FOR BALANCE ABOVE LEVEL 7, SEE COL. SCHEDULE	-
LINK BEAMS		SAME AS SHEAR WALL
MECHANICAL PADS, TOPPING SLABS AND SLABS ON GROUND		4,000 PSI

TABLE C.3.1 - CLASS "B" TENSION LAP SPLICE LENGTHS (1.3 x Ld)

REINF. STEEL Fy	BAR SIZE	BAR LOCATION	CONCRETE STRENGTH 4 KSI	6 KSI	7 KSI	8 KSI	9 KSI	>=10 KSI
60 KSI	#3	TOP	2'-0"	1'-8"	1'-8"	1'-5"	1'-4"	1'-4"
		OTHERS	1'-6"	1'-4"	1'-4"	1'-4"	1'-4"	1'-4"
	#4	TOP	2'-8"	2'-3"	2'-1"	1'-11"	1'-9"	1'-9"
		OTHERS	2'-1"	1'-9"	1'-8"	1'-5"	1'-4"	1'-4"
	#5	TOP	3'-4"	2'-10"	2'-8"	2'-4"	2'-3"	2'-2"
		OTHERS	2'-7"	2'-2"	2'-1"	1'-10"	1'-9"	1'-8"
	#6	TOP	4'-0"	3'-5"	3'-1"	2'-10"	2'-8"	2'-7"
		OTHERS	3'-1"	2'-7"	2'-5"	2'-2"	2'-1"	2'-0"
	#7	TOP	5'-10"	4'-11"	4'-6"	4'-2"	3'-11"	3'-9"
		OTHERS	4'-6"	3'-6"	3'-6"	3'-2"	3'-0"	2'-10"
	#8	TOP	6'-8"	5'-6"	5'-3"	4'-9"	4'-5"	4'-3"
		OTHERS	5'-2"	4'-3"	4'-0"	3'-8"	3'-5"	3'-3"
	#9	TOP	7'-6"	6'-2"	5'-9"	5'-4"	5'-0"	4'-9"
		OTHERS	5'-10"	4'-9"	4'-5"	4'-1"	3'-10"	3'-8"
	#10	TOP	8'-6"	6'-11"	6'-6"	6'-0"	5'-8"	5'-4"
		OTHERS	6'-6"	5'-4"	5'-0"	4'-7"	4'-4"	4'-1"
75 KSI	#11	TOP	11'-9"	9'-5"	8'-9"	8'-4"	7'-10"	7'-3"
		OTHERS	9'-1"	7'-3"	6'-9"	6'-4"	6'-1"	5'-7"

NOTES FOR TABLE C.3.1.:

1. SPLICE LENGTHS SHOWN IN TABLE ABOVE ARE APPLICABLE FOR SPLICES OCCURRING UNDER THE FOLLOWING CONDITIONS:
   - GRADE 60 REINFORCING STEEL (U.N.O.)
   - NORMAL WEIGHT CONCRETE
   - MINIMUM BAR SPACING REQUIREMENT
     -- CLEAR SPACING BETWEEN BARS AT SPLICE LOCATION ≥ BAR DIA. AND CLEAR COVER TO BARS ≥ BAR DIA. AND TIES OR STIRRUPS OCCURRING PER CODE SPACING WITHIN LENGTH OF SPLICE
     "OR"
     -- CLEAR SPACING BETWEEN BARS AT SPLICE ≥ 2 x BAR DIA. AND CLEAR COVER ≥ BAR DIA.

2. INDICATED SPLICE LENGTH SHALL BE INCREASED BY THE FOLLOWING FACTORS WHERE THE FOLLOWING CONDITIONS OCCUR:

CONDITION	SPLICE LENGTH MULTIPLIER*
BAR SPACING OR CLEAR COVER LESS THAN REQUIRED PER NOTE #1	1.5
LIGHTWEIGHT CONCRETE	1.3
EPOXY COATED REINF. w/COVER < 3xBAR DIA. & CLEAR SPACING < 6xBAR DIA.	1.5
ALL OTHER EPOXY COATED BARS	1.2

*WHERE MULTIPLE CONDITIONS OCCUR, APPLY EACH OF THE APPLICABLE FACTORS TO THE BASIC TENSION LAP SPLICE LENGTHS TO OBTAIN THE REQUIRED SPLICE LENGTH.

3. "TOP BARS" ARE HORIZONTAL BARS LOCATED WHERE MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW THE BARS.

Roxane Tsirigotis, RA
R. Tsirigotis
Buildings
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

Design 2147 Limited | Code Consultant
52 Diamond Street, Brooklyn, NY 11222
718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

Theatre Projects Consultants | Theater Consultant
47 Water Street
South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

Fisher Marantz Stone | Lighting Design
22 West 19th Street, Floor 6
New York, NY 10011
212 691 3020 | fmsp.com

Jaffe Holden | Acoustic Consultant
114–A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

DOB APPROVAL STAMP

Date:	No.:	Description:
12.09.2016	15	ISSUED FOR DOB FILING
11.15.2016	14	SOFT & STRUCTURAL DEMOLITION ISSUED FOR BID
11.09.2016	13	ISSUED FOR TA FILING
11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
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06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
GENERAL NOTES I

Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: 1/8" = 1'-0"

Signature & Seal:
STATE OF NEW YORK
RAWSIE JIJINA
050340
LICENSED PROFESSIONAL ENGINEER

Sheet Number:
S-721.00

NYC DOB Number:
Sheet:
of

S STRUCTURAL STEEL

S.1 ALL STRUCTURAL STEEL MATERIAL, FABRICATION AND ERECTION SHALL COMPLY WITH THE PROVISIONS OF THE AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, INCLUDING THE COMMENTARY AND ANY SUPPLEMENTS. A.E.S.S. DENOTES "ARCHITECTURALLY EXPOSED STRUCTURAL STEEL" AND S.S. DENOTES "STAINLESS STEEL", BOTH OF WHICH ARE GOVERNED BY AISC SUPPLEMENTAL CODE SPECIFICATIONS, DESIGN GUIDES AND STRICTER TOLERANCES.

S.2 ALL STRUCTURAL STEEL WIDE FLANGE SHAPES SHALL BE ASTM A992 STEEL, UNLESS DENOTED "HW"; "HW" SHAPES SHALL BE ASTM A572 or A913, GRADE 65 STEEL OR APPROVED EQUIVALENT STRENGTH. ALL HSS RECTANGULAR AND ROUND STEEL SHALL BE ASTM A500, GRADE B. PLATES, ANGLES, ETC., USED AS CONNECTION MATERIAL MAY BE ASTM A36 STEEL. THE TYPE OF STEEL FOR ALL STRUCTURAL STEEL SHAPES, PLATES, BARS, ETC. SHALL BE INDICATED ON SHOP DRAWINGS.

S.3 THE STEEL CONTRACTOR SHALL FURNISH MILL TEST REPORTS FROM THE PRODUCER OF STEEL CERTIFYING THAT THE STEEL MEETS THE MINIMUM REQUIREMENTS AS DEFINED BY ASTM SPECIFICATIONS. IF REQUIRED BY THE APPLICABLE BUILDING CODE, STEEL MILL REPORTS AND COMPLETION CERTIFICATES SHALL BE FILED WITH THE BUILDING DEPT.

S.4 ALL CONNECTIONS NOT DETAILED ON THE DRAWINGS SHALL CONFORM TO THOSE SHOWN IN THE AISC STEEL CONSTRUCTION MANUAL, 13TH EDITION, WHERE POSSIBLE. ALL SHOP CONNECTIONS SHALL BE HIGH-STRENGTH BOLTED OR WELDED. ALL FIELD CONNECTIONS SHALL BE WELDED OR MADE WITH HIGH-STRENGTH BOLTS WITH HARDENED WASHERS, INSTALLED BY MEANS OF PNEUMATIC WRENCHES OR TENSION-CONTROLLED (TC) GUNS (WHERE PERMITTED) AND TORQUED TO THE REQUIRED VALUE, IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM F3125 GRADE A325(OR F1852 FOR TC BOLT) OR A490 (OR F2280 FOR TC BOLT) APPROVED BY THE RESEARCH COUNCIL ON RIVETED AND BOLTED JOINTS. ALL BOLTS SHALL BE PRE-TENSIONED BOLTS, UNLESS OTHERWISE SPECIFICALLY NOTED OR DETAILED.

S.5A ALL BEAM TO BEAM/GIRDER OR BEAM/GIRDER TO COLUMN CONNECTIONS SHALL HAVE A CAPACITY OF 60% (FOR NON-COMPOSITE BEAMS) AND 100% (FOR COMPOSITE BEAMS) OF THE TOTAL UNIFORMLY DISTRIBUTED DESIGN LOAD AT EACH END OF THE BEAM FOR THE SIZE, SHAPE, SPAN AND Fy OF THE BEAM TO BE CONNECTED, UNLESS LOADS ARE SPECIFICALLY SHOWN ON PLAN. THE EFFECT OF ANY CONCENTRATED LOADS AT THE ENDS OF THE BEAM (NEAR THE CONNECTION) SHALL ALSO BE INCLUDED. THE TOTAL UNIFORMLY DISTRIBUTED DESIGN LOADS SHALL BE CALCULATED USING THE TABLES FOR UNIFORM LOAD CONSTANTS FOR BEAMS CONTAINED IN THE AISC STEEL CONSTRUCTION MANUAL.

S.5B ALL CONNECTIONS SHALL MEET THE STRUCTURAL INTEGRITY REQUIREMENTS OF NYCBC SECTION 2212.2 AND 2204.

S.7A UNLESS OTHERWISE SHOWN IN TYPICAL DETAILS, COLUMN SPLICES SHALL BE 4'-0" ABOVE FINISHED FLOOR AND SHALL CONFORM TO SUGGESTED COLUMN SPLICE DETAILS AS SHOWN IN THE AISC STEEL CONSTRUCTION MANUAL AND AS PER THE TYPICAL DETAILS.

S.7B COLUMN SPLICES SHALL HAVE AN AVAILABLE TENSION STRENGTH EQUAL TO THE LARGEST REACTION APPLIED AT ANY OF THE FOUR FLOOR LEVELS BELOW THE SPLICE PER NYCBC SECTION 2212.2.1.

S.8 ALL WELDING SHALL BE IN ACCORDANCE WITH THE STANDARD CODE FOR ARC AND GAS WELDING IN BUILDING CONSTRUCTION OF THE AMERICAN WELDING SOCIETY. THE WELDABILITY OF ALL EXISTING STRUCTURAL STEEL SHALL BE VERIFIED, WHERE APPLICABLE.

S.9 WELDING ELECTRODES SHALL CONFORM TO ASTM SPECIFICATION E-70XX FOR STEEL MATERIAL GRADES 50 KSI AND LOWER. MATERIAL GRADE 65 KSI STEEL SHALL CONFORM TO ASTM SPECIFICATION E-80XX. ALL BUTT WELDS SHALL BE 100% PENETRATION WELDS AND FILLET WELDS SHALL BE MINIMUM 5/16". ALL PARTIAL JOINT PENETRATION WELDS (PJP) INDICATED ON THE DRAWINGS SPECIFY THE EFFECTIVE THROAT THICKNESS. IF REQUIRED BY THE APPLICABLE BUILDING CODE, COPIES OF TEST REPORTS SHALL BE FILED WITH THE BUILDING DEPT.

S.10 ALL BOLTS SHALL BE 3/4" DIAMETER ASTM F3125 GRADE A325(OR F1852 FOR TC BOLT) AND 1" DIAMETER A490 (OR F2280 FOR TC BOLT), UNLESS OTHERWISE NOTED. ALL BOLTS SHALL BE PRE-TENSIONED AS PER AISC 360 CHAPTER J REQUIREMENTS. ALL BOLTS SHALL BE DESIGNED AND PROVIDED AS PER TABLE S.10.1 (ON THIS DRAWING). THE USE OF TENSION-CONTROLLED (TC) BOLTS IS PERMITTED IN ALL CONNECTIONS EXCEPT THOSE THAT ARE PART OF BRACED AND MOMENT FRAMES, MOMENT CONNECTIONS, TRUSSES, AND TRANSFER GIRDERS. WHERE TENSION-CONTROLLED BOLTS ARE NOT PERMITTED, PRE-TENSIONING SHALL BE VERIFIED BY USE OF A DIRECT TENSION INDICATOR (DTI) WASHER AND/OR HEX-HEAD TYPE TENSION CONTROL BOLTS USED IN CONJUNCTION WITH TURN OF THE NUT METHOD. ALL MOMENT CONNECTIONS AND BRACED FRAME CONNECTIONS SHALL BE DESIGNED AND DETAILED AS BEARING TYPE N CONNECTIONS, BUT SHALL BE FURNISHED AS SLIP-CRITICAL CONNECTIONS (SHOP AND FIELD).

S.11 FOR COMPOSITE CONSTRUCTION, THE NUMBER IN PARENTHESIS AFTER THE BEAM DESIGNATION INDICATES THE TOTAL NUMBER OF 3/4" DIAMETER HEADED SHEAR CONNECTORS (Fu >= 65 KSI). THE LENGTH OF THE SHEAR STUD SHALL BE SET 1" CLEAR FROM THE TOP OF CONCRETE. SEE TYPICAL DETAILS FOR PLACEMENT AND FURTHER DETAILS (REGARDLESS OF THE QUANTITY OF STUDS SHOWN ON THE PLAN, THE MINIMUM SPACING FOR STUDS SHALL NOT EXCEED 12" ON CENTER).

S.12 CAMBER BEAMS AND GIRDERS, AS SHOWN ON PLANS THUS C=________. WHERE NO CAMBER IS CALLED FOR, FABRICATE AND ERECT BEAMS WITH NATURAL CAMBER UP.

S.13 ALL CONTACT SURFACES, INCLUDING SURFACES ADJACENT TO THE BOLT HEAD AND NUT, SHALL BE FREE OF SCALE, OIL, PAINT, LACQUER, AND OTHER FOREIGN MATERIAL. BURRS THAT WOULD PREVENT SOLID SEATING OF THE CONNECTED PARTS IN THE SNUG TIGHT CONDITION SHALL BE REMOVED. CONTACT SURFACES THAT ARE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123 AND ROUGHENED BY MEANS OF AND WIRE BRUSHING (POWER BRUSHING IS PROHIBITED) WILL BE PERMITTED.

S.14 THE CONTRACTOR SHALL FURNISH AND INSTALL ALL PLATES, CLIP ANGLES, CONNECTIONS, NAILER HOLES, ETC., REQUIRED FOR THE COMPLETION OF THE STRUCTURE OR REQUIRED BY OTHER TRADES, EVEN IF SUCH ITEMS ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS.

S.15 THE STEEL FRAMING SHALL BE TEMPORARILY BRACED AGAINST EARTH PRESSURE, WIND, POSSIBLE LATERAL CONSTRUCTION LOADS, OR UNBALANCES CAUSED BY CONSTRUCTION SEQUENCING UNTIL SLABS, BEAMS, COLUMNS, BRACING, AND ANY OTHER STRUCTURE DESIGNED TO LATERALLY BRACE THE FINISHED STRUCTURE ARE IN PLACE AND HAVE ATTAINED THEIR REQUIRED STRENGTH OR HAVE HAD THEIR PERMANENT CONNECTIONS MADE. THE GENERAL CONTRACTOR AND/OR THE CONSTRUCTION MANAGER AND/OR THE STEEL CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE INTEGRITY OF THE STEEL STRUCTURE DURING ERECTION AND CONSTRUCTION.

S.16 THE STRUCTURAL STEEL SHALL BE ERECTED TO THE TOLERANCE CALLED FOR IN THE AISC CODE OF STANDARD PRACTICE UNLESS MORE STRINGENT TOLERANCES ARE REQUIRED BY OTHER TRADES, SUCH AS BUT NOT LIMITED TO PRECAST, ELEVATOR, STAIR, ARCHITECTURALLY EXPOSED STRUCTURAL STEEL, STAINLESS STEEL, OR FAÇADE CONTRACTORS. THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER SHALL COORDINATE.

S.17 THE USE OF LEVELING PLATES UNDER COLUMN BASE PLATES WILL NOT BE PERMITTED.

S.18 ALL GROUT FOR BASE PLATES AND ANCHOR BOLTS SHALL BE OF A NON-SHRINKAGE TYPE WITH A MINIMUM ULTIMATE COMPRESSIVE STRENGTH OF 12,000 PSI AFTER 28 DAYS.

S.19 PROVIDE LOOSE LINTELS OVER ALL OPENINGS IN EXTERIOR AND INTERIOR MASONRY WALLS AS PER TABLE S.19.1 (ON THIS DRAWING), EXCEPT WHERE OTHERWISE DETAILED ON THE DRAWINGS.

S.20 ALL DOUBLE ANGLE MEMBERS SHALL BE CONNECTED BY INTERMEDIATE FASTENERS AT A SPACING NOT TO EXCEED 36" O.C AND THE THICKNESS OF THE SPACER PLATE SHALL MATCH THE THICKNESS OF THE GUSSET PLATE AT EITHER END.

S.21 ALL STRUCTURAL STEEL EXPOSED TO THE WEATHER AND/OR ELEMENTS SHALL BE PROVIDED WITH A WEATHER RESISTANT COATING PER SPECIFICATIONS OR SHALL BE HOT DIP GALVANIZED (SEE EXTERIOR EXPOSED STRUCTURAL STEEL IN SPECIFIC SECTION 051200). FASTENERS AND COMPONENTS OF BOLTED CONNECTIONS EXPOSED TO WEATHER AND/OR ELEMENTS PROVIDED WITH STRUCTURAL STEEL WHICH IS PROTECTED BY A WEATHER RESISTANT COATING SHALL BE TYPE III WEATHER RESISTANT. FASTENERS AND COMPONENTS OF BOLTED CONNECTIONS EXPOSED TO WEATHER AND/OR ELEMENTS PROVIDED WITH STRUCTURAL STEEL WHICH IS PROTECTED BY HOT DIP GALVANIZING SHALL BE HOT DIP GALVANIZED.

S.22 PLACEMENT OF ANCHOR BOLTS SHALL BE FIELD SURVEYED PRIOR TO FABRICATION AND ERECTION OF COLUMNS AND/OR COLUMN BASE PLATES.

S.23 UNLESS OTHERWISE SHOWN OR DETAILED ON THE CONTRACT DOCUMENTS, INDIVIDUAL COMPONENTS OF COMPRESSION AND/OR TENSION LOADED AXIAL MEMBERS COMPOSED OF TWO OR MORE SHAPES SHALL BE CONNECTED TO ONE ANOTHER AT INTERVALS, a, SUCH THAT THE EFFECTIVE SLENDERNESS RATIO K a / ri OF EACH OF THE COMPONENT SHAPES, BETWEEN FASTENERS, DOES NOT EXCEED 3/4 x K L / r OF THE BUILT-UP MEMBER, NOR 40; r SHALL BE THE LEAST RADIUS OF GYRATION OF THE BUILT-UP MEMBER. FASTENERS SHALL BE 1 - 7/8" A325 (OR F1852 FOR TC BOLT) PRE-TENSIONED BOLT OR 2" OF 3/16" FILLET WELD APPLIED ON EACH SURFACE OF CONTACT BETWEEN THE MEMBERS. IN THE CALCULATIONS, K SHALL BE TAKEN EQUAL TO 1.0.

S.24 BEAMS SUPPORTING STAIR STRUTS AND STAIR HANGERS SHALL HAVE STIFFENERS MILLED TO BEAR UNDER OR OVER FLANGES OF THE BEAM. COORDINATE THE INTERFACING OF STRUCTURAL STEEL FRAMING AND STAIR FRAMING SYSTEMS WITH RESPECTIVE SUB-CONTRACTORS.

TABLE S.19.1 - LOOSE LINTELS SCHEDULE

MASONRY OPENINGS	NOMINAL MASONRY WALL THICKNESS				
	4"	6"	8"	10"	12"
3'-11" OR LESS	1L 4x3 1/2x5/16	1L 5x5x5/16	2LS 4x3 1/2x5/16	2LS 4x4x5/16	2LS 5x5x5/16
4'-0" TO 7'-0"	1L 5x3 1/2x5/16	1L 5x5x5/16	2LS 4x3 1/2x5/16	2LS 6x4x5/16	2LS 5x5x5/16

SHORT LEGS ARE HORIZONTAL
LENGTH OF LINTELS = M.0 + 16" (8" BEARING EACH SIDE)

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SD SHOP DRAWINGS - STRUCTURAL

SD.1 THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER SHALL SUBMIT STRUCTURAL SHOP DRAWINGS TO THE ARCHITECT AFTER THE GC OR CM HAS REVIEWED AND NOTED ON THESE SUBMITTALS THAT THEY ARE IN CONFORMANCE WITH CONTRACT REQUIREMENTS. THE STRUCTURAL ENGINEER, UPON RECEIPT OF THESE SUBMITTALS FROM THE ARCHITECT, WILL REVIEW AND APPROVE OR TAKE OTHER APPROPRIATE ACTION UPON AND RETURN TO THE ARCHITECT FOR FINAL DISPOSITION.

SD.2 CHANGES OR NON-CONFORMANCE TO CONTRACT REQUIREMENTS SHALL BE FLAGGED ON SUBMITTALS.

SD.3 SUBMITTALS SHALL NOT BE USED AS A SUBSTITUTE FOR REQUESTS FOR, OR APPROVALS OF SUBSTITUTIONS OR OTHER CHANGES OR PROCEDURES REQUIRED BY THE CONSTRUCTION CONTRACT.

SD.4 PRIOR TO SUBMITTING SHOP DRAWINGS, THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER SHALL SUBMIT A SHOP DRAWING SUBMITTAL SCHEDULE FOR THE APPROVAL OF THE STRUCTURAL ENGINEER AND THE ARCHITECT. THE SCHEDULE SHALL INCLUDE THE DATES WHEN DRAWINGS ARE TO BE SUBMITTED TO THE ARCHITECT AND THE NUMBER OF DRAWINGS AND TYPE OF DETAILS (PLANS, SCHEDULES, BEAMS, COLUMNS, ETC.) THAT WILL BE SUBMITTED ON EACH SUBMISSION DATE.

AA. REQUESTS FOR INFORMATION, RFI'S, ARE NOT A VECHILE FOR THE PREPARATION OF SHOP DRAWINGS. USE OF THE RFI PROCESS FOR THE PREPARATION OF SHOP DRAWINGS SHALL BE SUMMARILY REJECTED.

SD.5 THE STRUCTURAL ENGINEER'S REVIEW OF, APPROVAL OF, OR OTHER ACTION UPON THE SHOP DRAWINGS IS ONLY FOR THE LIMITED PURPOSE OF CHECKING FOR CONFORMANCE WITH THE DESIGN INTENT AND INFORMATION EXPRESSED IN CONTRACT DOCUMENTS PREPARED BY THE STRUCTURAL ENGINEER.

SD.6 THE STRUCTURAL ENGINEER'S REVIEWS SHALL NOT INCLUDE THE ACCURACY OR COMPLETENESS OF DETAILS SUCH AS WEIGHTS, GAUGES, FABRICATION OR ERECTION PROCESS, CONSTRUCTION MEANS OR METHODS, COORDINATION OF THE WORK WITH OTHER TRADES OR CONSTRUCTION SAFETY PRECAUTIONS, ALL OF WHICH ARE THE SOLE RESPONSIBILITY OF THE CONSTRUCTION MANAGER OR GENERAL CONTRACTOR.

SD.7 THE STRUCTURAL ENGINEER'S REVIEW OF A SPECIFIC ITEM SHALL NOT EXTEND TO A REVIEW OF AN ASSEMBLY OF WHICH THE ITEM IS A COMPONENT.

SD.8 THE STRUCTURAL ENGINEER WILL NOT REVIEW SUBMISSIONS WHICH ARE PARTIALLY COMPLETE.

SD.9 NO WORK MAY COMMENCE UNTIL ALL RELEVANT SHOP DRAWINGS HAVE BEEN REVIEWED AND FINAL "APPROVAL WITH NO EXCEPTIONS" HAS BEEN GRANTED BY THE ARCHITECT.

SD.10 THE USE OF THE "REQUEST FOR INFORMATION" (RFI) PROCESS IS STRICTLY A FORM OF COMMUNICATION BETWEEN CM/GC AND THE DESIGN TEAM AND ITS SOLE PURPOSE IS TO RESOLVE MINOR ISSUES AND SHALL NOT BE USED TO PRE-PREPARE SHOP DRAWINGS.

SD.11 IF THE STRUCTURAL ENGINEER OF RECORD SO REQUESTS, THE CONSTRUCTION MANAGER AND/OR THE GENERAL CONTRACTOR SHALL SUBMIT CALCULATIONS FOR ANY OR ALL CONNECTIONS OR JOB STANDARDS SHOWN ON SHOP DRAWINGS. THESE CALCULATIONS SHALL BE SIGNED AND SEALED BY THE PROFESSIONAL ENGINEER SUPERVISING THE PREPARATION OF SHOP DRAWINGS.

SD.12 SHOP DRAWINGS FOR CONCRETE WORK SHALL BE PREPARED UNDER THE SUPERVISION OF AN EXPERIENCED DETAILER FOR CONCRETE STRUCTURES WHO HAS A THOROUGH WORKING KNOWLEDGE OF THE REQUIREMENTS, SUGGESTIONS, EXAMPLES AND COMMENTARIES OF ACI 318-BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 315-DETAILS AND DETAILING OF CONCRETE REINFORCEMENT AND THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE".

BB. CONCTRACTOR SHALL INCLUDE IN THE BID PRICE THE COST OF AN ADDITIONAL TWENTY (20) TONS OF STRUCTURAL STEEL, DETAILED, FABRICATED, INSTALLED AND IN PLACE TO BE USED AT THE DISCRETION OF THE STRUCTURAL ENGINEERING DESIGN PROFESSIONAL. THE UNUSED PORTION OF THIS ALLOWANCE SHALL BE CREDITED BACK TO THE OWNER UPON COMPLETION OF THE STRUCTURAL FRAME.

SD.13 SHOP DRAWINGS FOR CONCRETE WORK SHALL INCLUDE BUT NOT BE LIMITED TO BENDING DETAILS, LOCATION AND LENGTH OF ALL LAPS AND VERTICAL AND HORIZONTAL LOCATION OF ALL REINFORCEMENT (BARS AND WELDED WIRE FABRIC AND REINFORCEMENT) INCLUDING THE REINFORCEMENT IN SLABS CAST ON GRADE.

D METAL DECKING

D.1 ALL METAL DECK MATERIAL, FABRICATION AND ERECTION SHALL COMPLY WITH THE PROVISIONS OF THE AISI SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, INCLUDING THE 2004 SUPPLEMENT AND THE SDI DESIGN MANUAL FOR FLOOR DECKS AND ROOF DECKS.

D.2 STEEL FOR PAINTED METAL DECK UNITS SHALL CONFORM TO ASTM A1008, GRADE 40.

D.3 STEEL FOR GALVANIZED METAL DECK UNITS SHALL CONFORM TO ASTM A653, GRADE 40. GALVANIZING SHALL CONFORM TO ASTM A924, G60.

D.4 ALL WELDING OF METAL DECK TO SUPPORTING STEEL SHALL BE IN ACCORDANCE WITH THE AWS D1.3 STRUCTURAL WELDING CODE - SHEET STEEL.

D.5 THE TYPE, GAGE AND DIRECTION OF METAL DECK SHALL BE AS SHOWN ON PLANS.

D.6 FASTEN FLOOR DECK UNITS TO STEEL SUPPORTING MEMBERS AND SPANDREL GIRDERS BY NOT LESS THAN 3/4" DIAMETER FUSION WELDS OR ELONGATED WELDS OF EQUAL STRENGTH, SPACED NOT MORE THAN 12" ON CENTER WITH A MINIMUM OF 2 WELDS PER UNIT AT EVERY SUPPORT AND AT CLOSER SPACING WHERE REQUIRED FOR LATERAL FORCE RESISTANCE AND WIND UPLIFT (WHERE NOTED). FASTEN 1 1/2" ROOF DECK UNITS TO STEEL SUPPORTING MEMBERS AND SPANDREL GIRDERS ON A 36/7 PATTERN WITH 3/4" DIAMETER FUSION WELDS WITH A MINIMUM OF 2 WELDS PER UNIT AND AT EVERY SUPPORT AND AT CLOSER SPACING WHERE REQUIRED FOR LATERAL FORCE RESISTANCE AND WIND UPLIFT AND UNLESS OTHERWISE NOTED. FASTEN 3" ROOF DECK UNITS TO STEEL SUPPORTING MEMBERS AND SPANDREL GIRDER ON A 24/4 PATTERN WITH 3/4" DIAMETER FUSION WELDS WITH A MINIMUM OF 2 WELDS PER UNIT AND AT EVERY SUPPORT AND AT CLOSER SPACING WHERE REQUIRED FOR LATERAL FORCE RESISTANCE AND WIND UPLIFT (WHERE NOTED). PLEASE NOTE, MECHANICAL FASTENERS, WITH A CAPACITY EQUAL TO OR GREATER THAN THE FUSION WELDS NOTED, MAY BE SUBSTITUTED FOR THE WELDS, BUT WILL BE SUBJECT TO THE REVIEW AND APPROVAL OF THE E.O.R.

D.7 FASTEN SIDE LAPS OF ALL ADJACENT DECK UNITS BETWEEN SUPPORTS, WITH SELF-TAPPING NO. 10 OR LARGER MACHINE SCREWS OR BY WELDING AT INTERVALS NOT EXCEEDING 24" ON CENTER UNLESS OTHERWISE NOTED.

D.8 PROVIDE HOLES IN DECK AT SHEAR CONNECTOR LOCATIONS UNLESS THE DECK MANUFACTURER CERTIFIES THAT SHEAR CONNECTORS CAN BE WELDED TO SUPPORTS THROUGH DECK UNITS WITHOUT LESSENING THE SHEAR CONNECTOR'S CAPACITY.

D.9 THE GENERAL CONTRACTOR OR CONSTRUCTION MANAGER AND/OR THE DECK CONTRACTOR SHALL COORDINATE OPENINGS IN DECK REQUIRED BY MECHANICAL ELECTRICAL, PLUMBING OR ARCHITECTURAL DOCUMENTS OR BY MECHANICAL OR OTHER TRADE CONTRACTORS.

D.10 THE DECK CONTRACTOR SHALL SUBMIT TO THE ARCHITECT FOR APPROVAL A DRAWING INDICATING THE SIZE AND LOCATION OF ALL OPENINGS PROPOSED TO BE PROVIDED IN METAL DECK THAT ARE NOT SHOWN ON STRUCTURAL DRAWINGS.

D.11 HANGER SLOTS IN METAL DECK SHALL BE USED FOR SUPPORT OF CEILINGS, AIR DUCTS OR LIGHTING FIXTURES AND SHALL NOT BE USED TO SUPPORT MECHANICAL OR ELECTRICAL EQUIPMENT OR PIPING. THE TRIBUTARY LOAD FOR EACH SLOT SHALL NOT EXCEED FIVE POUNDS PER SQUARE FOOT AND A TOTAL LOAD OF 60 POUNDS. HANGER SLOTS SHALL NOT BE USED TO SUPPORT CEILINGS WHERE THE APPLICABLE BUILDING CODE REQUIRES CEILING HANGERS TO SUPPORT MORE THAN 60 POUNDS.

D.12 METAL DECK SHALL BE CONTINUOUS OVER THREE SPANS MINIMUM, UNLESS SPECIFICALLY SHOWN OTHERWISE. WHERE THE THREE SPAN CONDITION IS UNACHIEVABLE, PROVIDE THE SINGLE SPAN OR DOUBLE SPAN CONDITIONS ON THE SHORTEST SPANS POSSIBLE (SUBJECT TO REVIEW AND APPROVAL BY THE E.O.R.

TABLE S.10.1 - BOLT DESIGN CRITERIA AND GUIDELINES

DESIGN BOLT AS:	CONNECTION TYPE
BEARING BOLT	• ALL SHEAR CONNECTIONS WHERE NO ECCENTRICITIES/MOMENT ARE TAKEN BY THE BOLTS • DIRECT LOADED CONNECTIONS (TRUSSES, BRACES, ETC.) WITH STANDARD HOLES • MOMENT CONNECTIONS WITH STANDARD HOLES
SLIP-CRITICAL, SERVICEABILITY*	• ECCENTRIC BOLT GROUPS WITH SHORT SLOTTED HOLES WHERE THE LOAD IS APPLIED TRANSVERSE TO THE SLOT.
SLIP-CRITICAL, STRENGTH*	• ECCENTRIC BOLT GROUPS WITH LONG SLOTTED AND/OR OVERSIZE HOLES • DIRECT LOADED CONNECTIONS (TRUSSES, BRACES, ETC.) WITH SLOTTED AND/OR OVERSIZE HOLES • MOMENT CONNECTIONS WITH SLOTTED AND/OR OVERSIZE HOLES • CONNECTIONS WITH SHIMS/FILLERS IN EXCESS OF 1/4" THICK WHERE THE SHIM/FILLER IS NOT DESIGNED TO TRANSFER THE FORCE BACK INTO THE PRIMARY CONNECTION ELEMENTS

*PLEASE NOTE: ALL ELEMENTS/COMPONENTS/MEMBERS OF SLIP-CRITICAL BOLTED CONNECTIONS SHALL BE CHECKED FOR BEARING AND TEAR-OUT.

ABBREVIATIONS

ADD'L	- ADDITIONAL	MIN.	- MINIMUM
BOTT.	- BOTTOM	N.I.C.	- NOT IN CONTRACT
B.O.	- BY OTHERS	N/S	- NEAR SIDE
B/S	- BOTH SIDES	N.T.S.	- NOT TO SCALE
CANT.	- CANTILEVER	O.A.E.	- OR APPROVED EQUAL
C.I.P.	- CAST IN PLACE	0. C.	- ON CENTER
CL.	- CLEAR	O.D.	- OUTER DIAMETER
COL.	- COLUMN	OPNG.	- OPENING
CONC.	- CONCRETE	OVS	- OVERSIZED
CONT.	- CONTINUOUS	PC.	- PIECE
CONN.	- CONNECTION	P.C.	- PRECAST CONCRETE
DIA.	- DIAMETER(S)	PL.	- PLATE
DN	- DOWN	PSF	- POUNDS PER SQUARE FOOT
DWG.	- DRAWING	REINF.	- REINFORCEMENT
EA.	- EACH	SC.	- SLIP CRITICAL
EL.	- ELEVATION	SIM.	- SIMILAR
EQ.	- EQUAL	SL.	- SLOPE
E.W.	- EACH WAY	SS	- STAINLESS STEEL
EXIST.	- EXISTING	SPEC.	- SPECIFICATION(S)
F/S	- FAR SIDE	STD.	- STANDARD
H.E.F.	-HORIZONTAL EACH FACE	T.O.	- TOP OF
HORIZ.	- HORIZONTAL	T.O.S.	- TOP OF STEEL
H.P.	- HIGH POINT	TYP.	- TYPICAL
H.S.	- HIGH STRENGTH	U.O.N.	- UNLESS OTHERWISE NOTED
I.D.	- INNER DIAMETER	VERT.	- VERTICAL
L.P.	- LOW POINT	V.E.F.	- VERTICAL, EACH FACE
LT. WT./ LWT	- LIGHT WEIGHT	V.I.F.	- VERIFY IN FIELD
		W.P.	- WORKING POINT
# +/-	- APPROXIMATELY	W.W.F.	- WELDED WIRE FABRIC
+/- #	- REVERSIBLE		

WIND DESIGN DATA

DESIGN CRTERIA		REFERENCE
BASIC WIND SPEED	V_{3S} = 98mph	BC 1609.3
EXPOSURE CATEGORY	B	BC 1609.4
WIND IMPORTANCE FACTOR	I_W = 1.15	BC 1609.5
DESIGN WIND PRESSURE	PER WIND TUNNEL REPORT BUT NOT LESS THAN 80% OF ASCE-7 LOADS	BC 1609.6.2
COMPONENT AND CLADDING DESIGN PRESURE	SEE WIND TUNNEL STUDY BY RWDI	BC 1609.6.2

SEISMIC DESIGN DATA

	DESIGN CRTERIA	REFERENCE
SEISMIC IMPORTANCE FACTOR	I_E = 1.25	
OCCUPANCY CATEGORY	III	
MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIODS MAPPED SPECTRAL RESPONSE ACCELERATION AT 1 SECOND PERIODS	S_S = 0.281g S_1 = 0.073g T_L = 6.00 SEC.	
SITE CLASS	B*	
DESIGN SPECTRAL RESPONSE ACCELERATIONS	$S_{DS} = \frac{2}{3} \times S_{MS}$ = .187g $S_{D1} = \frac{2}{3} \times S_{M1}$ = 0.049g	
SEISMIC DESIGN CATEGORY	B	
BASIC SEISMIC FORCE RESISTING SYSTEM	STRUCTURAL STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE	
RESPONSE MODIFICATION FACTOR	R = 3	
SEISMIC RESPONSE COEFFICIENT	C_S = 0.01	
EFFECTIVE SEISMIC WEIGHT	W = 104,863 KIPS	
FUNDAMENTAL PERIOD (FIRST MODE)	T = 2.166 SEC.	
DESIGN BASE SHEAR	V = 1050 KIPS	
ANALYSIS PROCEDURE USED	EQUIVALENT LATERAL FORCE ANALYSIS	
SITE LIQUEFACTION POTENTIAL	NOT LIQUEFIABLE*	

LEGEND

PLAN, SECTION, ELEVATION OR DETAIL IDENTIFICATION
DRAWING NUMBER ON WHICH SECTION IS SHOWN,
INDICATES COLUMN ABOVE ONLY
INDICATES COLUMN BELOW ONLY
INDICATES COLUMN NUMBER
"HA" INDICATES HANGER SUPPORT FROM ABOVE
"HB" INDICATES HANGER SUPPORT FOR BEAM BELOW
"PA" INDICATES POST SUPPORT F0R BEAM ABOVE
"PB" INDICATES POST SUPPORT FOR BEAM FROM BELOW
INDICATES FULL CAPACITY MOMENT CONNECTION SEE TYPICAL DETAILS
(#) INDICATES NUMBER OF SHEAR STUDS ON BEAM
C= INDICATES BEAM UPWARD CAMBER IN INCHES
<#> INDICATES THE BEAM ELEVATION WITH RESPECT TO THE DATUM PER PLAN
INDICATES EMBEDDED PLATE CONNECTION, SEE TYPICAL DETAILS
INDICATES A GENERAL TAG NOTE

SNOW DESIGN DATA

DESIGN CRTERIA		REFERENCE
GROUND SNOW LOAD	Pg = 25psf	BC 1608.2
SNOW IMPORTANCE FACTOR	I_S = 1.0	BC 1608.3
EXPOSURE FACTOR	Ce = 1.0	BC 1608.3
THERMAL FACTOR	Ct = 1.0	BC 1608.3
FLAT ROOF SNOW LOAD	Pf = 25psf	BC 1608.3

GRAVITY LOADING SCHEDULE (PSF)

(BALANCE ARE SHOWN ON LOAD MAPS, WHERE APPLICABLE)

LEVEL	SLAB	CEILING AND MECH.	PARTITION	MISC. DL.	TOTAL DEAD LOAD	LIVE LOAD	REMARKS
ENTERTAINMENT	73	10	15	15	113	100	
RETAIL	73	10	15	15	113	100	
SIDEWALK	112	-	-	100	212	250	* EXCEPT AT LOADING DECK
LOADING DECK	187	10	-	90	287	600	
EXTERIOR STAGE AND ENTERTAINMENT	73	10	15	15	78	250	
BALCONY	73	10	15	15	113	150	
SIGN	57	10	15	15	97	100	
EIGHTH FLOOR EXISTING SLAB	46	10	15	15	86	100	
EIGHTH FLOOR NEW SLAB	150	10	15	15	190	100	
NINTH FLOOR EXISTING SLAB	79	10	15	15	89	100	
NINTH FLOOR NEW SLAB	73	10	15	15	113	100	
TENTH FLOOR EXISTING SLAB	112	10	15	15	152	100	
TENTH FLOOR NEW SLAB	73	10	15	15	113	100	
ELEVENTH FLOOR EXISTING SLAB + TOPPING	150	10	15	15	190	100	
ELEVENTH FLOOR EXISTING SLAB	100	10	15	15	140	100	
TWELFTH FLOOR EXISTING SLAB + TOPPING	150	10	15	15	190	100	
TWELFTH FLOOR NEW SLAB	73	10	15	15	113	100	
THIRTEENTH FLOOR EXISTING SLAB + TOPPING	150	10	15	15	190	100	
THIRTEENTH FLOOR NEW SLAB	100	10	15	15	140	100	
FOURTEENTH FLOOR EXISTING SLAB + TOPPING	150	10	15	15	190	100	
FOURTEENTH FLOOR NEW SLAB	73	10	15	15	113	100	
FIFTEENTH FLOOR EXISTING SLAB + TOPPING	150	10	15	15	190	100	
SIXTEENTH FLOOR EXISTING SLAB + TOPPING	100	3	6	11	120	40	
SIXTEENTH FLOOR NEW SLAB	113	3	6	11	133	40	
HOTEL ROOMS	100	3	6	11	120	40	
HOTEL TERRACES	100	3	-	17	120	100	
MECHANICAL (46TH FL.)	125	20	-	-	145	200	
ROOF	113	-	-	20	133	100	

CURTAIN WALL = 35 PSF DEAD LOAD - TO BE VERIFIED
SCREEN WALL = 50 PSF DEAD LOAD - TO BE VERIFIED

**WEIGHT OF EXISTING CONSTRUCTION TO BE FIELD VERIFIED

STRUCTURAL SEISMIC DESIGN

THE EXISTING TOWER WAS DESIGNED FOR WIND ONLY AND WAS NOT DESIGNED OR DETAILED FOR SEISMIC RESISTANCE. THE NEW CONSTRUCTION HAS BEEN DESIGNED TO RESIST THE FULL SEISMIC FORCE IN ACCORDANCE WITH NEW YORK CITY BUILDING CODE 2014, CHAPTER 16 REQUIREMENTS. THE LOADS SPECIFIED ON S-722 WERE UTILIZED IN THE DESIGN. THE SEISMIC UPGRADE INCLUDES THE RETROFIT OF EXISTING SHEAR WALLS AND BRACED FRAMES AND THE ADDITION OF NEW SHEAR WALLS AND BRACED FRAMES.

AS THIS PROJECT IS A RENOVATION, THE EXISTING SEISMIC SEPARATION FROM THE LOT LINE OF 1" IS BEING MAINTAINED. THE RENOVATED STRUCTURE DOES NOT INCREASE THE DEGREE OF EXISTING NON-COMPLIANCE. THE NEW WALLS ADJACENT TO THE EXISTING WALLS ARE BEING KEPT AT THE SAME SEISMIC SEPARATION AS THE EXISTING WALLS. THIS IS TO MAINTAIN THE SURFACE AREA AT THE LOT LINE AND NOT INCREASE THE AFFECTS OF POUNDING. A FILLER MATERIAL IN ACCORDANCE WITH CHAPTER 16 SHALL BE USED TO FILL THE SPACE BETWEEN THE ADJACENT BUILDINGS.

THE THEATRE HAS BEEN VERIFIED TO COMPLY WITH THE 2014 NYC BUILDING CODE. FOR THE OVERALL STRUCTURE. THE CONTRACTOR SHALL PROBE COLUMNS 28-31 IN THE THEATER TO VERIFY THAT THE COLUMN SPLICES HAVE A 60KIP MINIMUM CAPACITY. THE SPLICES SHALL BE REINFORCED AS REQUIRED TO ACHIEVE A 60 KIP CAPACITY SHOULD IT BE FOUND TO BE INSUFFICIENT.

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

Design 2147 Limited | Code Consultant
52 Diamond Street, Brooklyn, NY 11222
718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

Theatre Projects Consultants | Theater Consultant
47 Water Street
South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

Fisher Marantz Stone | Lighting Design
22 West 19th Street, Floor 6
New York, NY 10011
212 691 3020 | fmsp.com

Jaffe Holden | Acoustic Consultant
114–A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

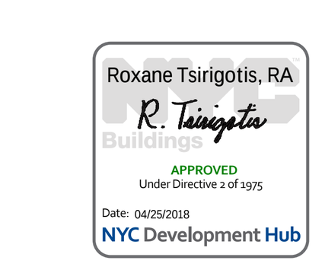
DOB APPROVAL STAMP

Date:	No.:	Description:
12.09.2016	15	ISSUED FOR DOB FILING
11.15.2016	14	SOFT & STRUCTURAL DEMOLITION ISSUED FOR BID
11.09.2016	13	ISSUED FOR TA FILING
11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

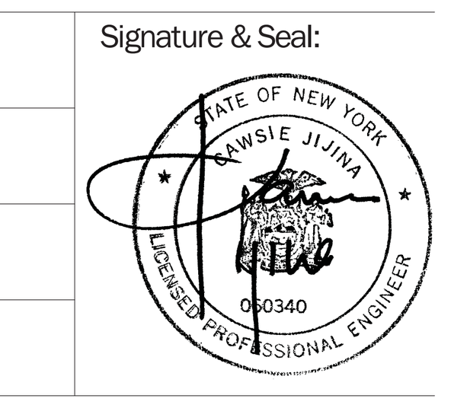
New York, NY 10036

Sheet Title:
GENERAL NOTES II



Project Number: 13649
Drawn By: SNH/JBA
Checked By: CJ
Scale: 1/8" = 1'-0"

Signature & Seal:



Sheet Number: S-722.00

NYC DOB Number:

Sheet: of

NEW YORK CITY TRANSIT
GENERAL NOTES

NOTE: THE APPROPRIATE NOTES ARE TO BE MADE PART OF THE PROJECT'S CONTRACT DRAWINGS.

1. THE NYC TRANSIT (NYCT) RESERVES THE RIGHT TO PLACE INSPECTORS, FLAGMEN OR OTHER PERSONNEL IN THE SUBWAY STRUCTURES DURING CONSTRUCTION OF THE PROJECT LINKED BY A TELEPHONE SYSTEM, IF DEEMED NECESSARY, TO OBSERVE THE EFFECTS OF THE CONSTRUCTION ON THE TRANSIT FACILITIES. NYCT FURTHER RESERVES THE RIGHT TO PLACE SUCH PERSONNEL WHENEVER, IN ITS OPINION, THE PROJECT CONDITIONS WARRANT SUCH PLACEMENT, REGARDLESS OF DISTANCE. THE COST OF SUCH PERSONNEL, TELEPHONE INSTALLATION AND ANY RE-ROUTES, DIVERSIONS OF SERVICE, WORK TRAINS, ETC., MADE NECESSARY BY THE PROJECT, MUST BE BORNE BY THE PROJECT OR THE RESPONSIBLE NEW YORK CITY/STATE AGENCY.

2. ALL ROCK EXCAVATION ADJACENT TO THE TRANSIT STRUCTURE IS TO BE CHANNEL DRILLED TWO FEET BELOW SUBGRADE.

3. IF TOP OF ROCK IS FOUND BELOW SUBWAY STRUCTURE, THE SUBWAY STRUCTURE MUST BE UNDERPINNED IN ACCORDANCE WITH DRAWINGS TO BE SUBMITTED TO NYCT FOR APPROVAL.

4. IF ROCK IS SOFT OR SEAMY, LATERAL SUPPORTS MUST BE PROVIDED BELOW THE SUBWAY STRUCTURE IN ACCORDANCE WITH DRAWINGS TO BE SUBMITTED TO NYCT FOR APPROVAL.

5. BLASTING WILL BE PERMITTED ONLY WITH LIGHT CHARGES SUBJECT TO THE APPROVAL OF NYCT'S ENGINEER AND IN ACCORDANCE WITH THE REGULATIONS OF THE FIRE DEPARTMENT. THE CONTRACTOR SHALL PROVIDE A DETAILED MONITORING PLAN, PROVIDING FOR MEASUREMENTS OF BOTH PARTICLE VELOCITY AND DISPLACEMENTS AT CRITICAL LOCATIONS OF THE NYCT STRUCTURE. THE MONITORING PLAN SHALL INCLUDE THRESHOLD AND UPSET LEVELS OF BOTH PARTICLE VELOCITY AND SETTLEMENT TOGETHER WITH AN ACTION PLAN FOR THEIR IMPLEMENTATION. THE CONTRACTOR SHALL SECURE AN APPROVED SEISMOLOGIST TO INSTALL AND OPERATE SUITABLE VELOCITY GAUGES TO CONTINUOUSLY MONITOR PARTICLE VELOCITY AND AN INDEPENDENT LICENSED SURVEYOR TO MONITOR DISPLACEMENTS. THE PRESENCE OF A QUALIFIED TECHNICIAN FROM MONITORING COMPANY IS NECESSARY TO PROVIDE THE VIBRATION READING UPON REQUEST OF NYCT ENGINEER. THE THRESHOLD MAXIMUM PARTICLE VELOCITY ABOVE AMBIENT CAUSED BY THE BLASTING WILL BE 0.5 INCH PER SECOND. VALUES EXCEEDING THIS LEVEL WILL BE REVIEWED AND EVALUATED BY NYCT'S ENGINEER. IN NO CASE WILL PARTICLE VELOCITIES EXCEED THE UPSET LEVEL OF 2.0 INCHES PER SECOND.

6. BEFORE PLACING CONCRETE, THE SUBGRADE OF THE FOUNDATIONS IN THE VICINITY OF THE SUBWAY STRUCTURE IS TO BE INSPECTED AND APPROVED BY NYCT'S ENGINEER.

7. IF ANY PORTION OF THE SUBWAY STRUCTURE OR FINISH IS DAMAGED, IT SHALL BE REPAIRED OR REPLACED WITH THE SAME MATERIALS IN PLACE, SUBJECT TO THE APPROVAL OF NYCT'S ENGINEER AND AT THE EXPENSE OF THE PROJECT.

8. EXCAVATION EMBANKMENTS ARE TO BE SHORED AND BRACED. DRAWINGS INDICATING A SUGGESTED METHOD OF CONSTRUCTION ARE TO BE SUBMITTED TO NYCT FOR APPROVAL IN CONJUNCTION WITH THE PROJECT'S CONTRACT DRAWINGS. IN CASE OF EXCAVATION UNDERMINING THE SUBWAY STRUCTURE, UNDERPINNING MAY BE REQUIRED. DRAWINGS FOR UNDERPINNING ARE TO BE SUBMITTED TO NYCT FOR APPROVAL.

9. TEMPORARY SHORING MAY BE PLACED IN DIRECT CONTACT WITH NYCT STRUCTURES ONLY IF THE NYCT STRUCTURE IS SHOWN TO BE ABLE TO SUPPORT ALL ANTICIPATED LOADS THAT CAN BE TRANSFERRED THROUGH THE TEMPORARY STRUCTURES WITHOUT DAMAGING THE EXISTING STRUCTURE. AT THE COMPLETION OF THE PROJECT, THESE TEMPORARY SHORING AND BRACING SYSTEMS ARE TO BE REMOVED OR CUT-OFF AS APPROVED BY NYCT.

10. WHEN PILES ARE TO BE DRIVEN OR DRILLED ADJACENT TO THE SUBWAY STRUCTURE, BORING DATA, PILE LAYOUTS, SPECIFICATIONS AND INSTALLATION PROCEDURES ARE TO BE SUBMITTED TO NYCT FOR APPROVAL. VELOCITY METERS ARE TO BE INSTALLED IN THE SUBWAY TUNNEL AT CRITICAL LOCATIONS TO MONITOR INDUCED VIBRATIONS. INDUCED DISPLACEMENTS ALONG THE TUNNEL STRUCTURE AND TRACK INVERT ARE TO BE MONITORED DURING DRIVING OR DRILLING. THE THRESHOLD MAXIMUM PARTICLE VELOCITY ABOVE AMBIENT CAUSED BY THE DRIVING OR DRILLING WILL BE 0.5 INCH PER SECOND. VALUES EXCEEDING THIS LEVEL WILL BE REVIEWED AND EVALUATED BY NYCT'S ENGINEER. IN NO CASE WILL PARTICLE VELOCITIES EXCEED THE UPSET LEVEL OF 2.0 INCHES PER SECOND.

11. NO PILES ARE PERMITTED TO BE INSTALLED BY ANY METHOD WITHIN THREE FEET OF SUBWAY STRUCTURE, MEASURED FROM THE EDGE OF THE PILE OR CASING TO THE WALL. CLOSED-END PILES WILL NOT BE PERMITTED TO BE DRIVEN WITHIN TEN FEET OF THE SUBWAY STRUCTURE.

12. ALL PILES ARE TO BE PLACED WITHIN A PREAUGERED CASED HOLE TO THE INFLUENCE LINE. THE CASING SHALL BE CLEANED WITHOUT DISTURBING THE SOIL OUTSIDE THE CASING AND THE PILE TO BE PLACED WITHIN THE CASING FOR INSTALLATION. THE PILES MAY THEN BE DRIVEN BEYOND THE INFLUENCE LINE WITHIN THE CASING.

13. THE INFLUENCE LINE SHALL START AT THE BOTTOM OF THE SUBWAY STRUCTURE AND EXTEND FROM 1H:1V TO 2H:1V SLOPE DEPENDING ON THE SOIL PROPERTIES AND GROUND WATER TABLE. FOR PILES INSTALLED WITHIN TEN FEET OF THE SUBWAY STRUCTURE, THE CASING SHALL BE EXTENDED UP TO THE BOTTOM OF THE SUBWAY STRUCTURE.

14. ALL PILES ARE TO BE DRIVEN OR DRILLED A MINIMUM OF TEN FEET BELOW THE INTERSECTION OF THE PILE CENTERLINE AND THE INFLUENCE LINE OF THE SUBWAY STRUCTURE.

15. THE USE OF "DOWN-THE-HOLE -HAMMERS" FOR INSTALLATION OF PILES THROUGH OVERBURDEN AND FILL WILL BE PERMITTED ONLY TO REMOVE BOULDERS. IT WILL NOT BE PERMITTED AS A MATTER OF COURSE TO ADVANCE THE HOLE. THEIR USE TO CONSTRUCT ROCK SOCKETS WILL NOT BE ALLOWED WITHIN 5 FEET OF THE NYCT STRUCTURE. THE USE OF MACHINE UTILIZING AIR FOR SOIL REMOVAL WILL NOT BE ALLOWED.

16. VIBRATORY HAMMERS WILL NOT BE PERMITTED WITHIN 75 FEET OF SUBWAY STRUCTURES. HOERAMS WILL NOT BE PERMITTED WITHIN 25 FEET OF SUBWAY STRUCTURES.

17. DYNAMIC COMPACTION METHODS USING DROPPED HEAVY WEIGHTS CANNOT BE CONDUCTED WITHIN 1000 FEET OF ANY NYCT STRUCTURE UNLESS IT IS SHOWN THAT INDUCED SETTLEMENTS AND VIBRATIONS WILL NOT DAMAGE THESE STRUCTURES. A SUITABLE MONITORING PLAN INCLUDING SETTLEMENT AND VIBRATION MEASUREMENTS MUST BE APPROVED BY NYCT'S ENGINEER FOR ALL SUCH OPERATIONS WITHIN THESE DISTANCES.

18. THERE SHALL BE NO MACHINE EXCAVATION WITHIN 3 FEET OF NYCT STRUCTURES, POWER DUCT LINES, OR ANY OTHER FACILITIES UNTIL THEY HAVE BEEN CAREFULLY EXPOSED BY HAND EXCAVATION.

19. ALL DEWATERING OPERATIONS CONDUCTED WITHIN 500 FEET OF THE NYCT STRUCTURE MUST BE PERFORMED IN ACCORDANCE WITH DRAWINGS AND PROCEDURES SUBMITTED TO NYCT FOR APPROVAL. THE DISTANCE FROM THE STRUCTURE TO THE DEWATERING OPERATION CAN BE REDUCED PROVIDED THAT SOIL CONDITIONS AT THE SITE INDICATE THAT THE RADIUS OF INFLUENCE OF THE DEWATERING IS LESS THAN 500 FEET. FOR DEWATERING WITHIN THE RADIUS OF INFLUENCE, THE DEWATERING PROGRAM MUST BE SHOWN TO HAVE NEGLIGIBLE INFLUENCE ON SETTLEMENTS OF THE NYCT STRUCTURE.

20. SUBWAY ENTRANCES (VENTILATORS, ETC.) ARE TO BE UNDERPINNED OR SHORED AND BRACED IF DIRECTED BY NYCT'S ENGINEER.

21. NYCT, AT ITS DISCRETION, RESERVES THE RIGHT TO REQUIRE THE PROJECT TO CLOSE OR MAINTAIN AND PROTECT EXISTING SUBWAY ENTRANCES, VENTILATORS, ETC. ADJACENT TO THE PROJECT DURING CONSTRUCTION. SUCH CONSTRUCTION MAY INCLUDE UNDERPINNING, SHORING, BRACING AND ERECTION OF SUITABLE BARRICADES AND/OR CANOPIES AND SHIELDS. SUCH PROTECTION SHALL BE IN ACCORDANCE WITH DRAWINGS SUBMITTED TO NYCT FOR APPROVAL.

22. IF SHIELDS ARE TO BE INSTALLED TO PROTECT NYCT FACILITIES AND/OR THE PUBLIC, PLANS SHOWING THE LOCATION, TYPE AND METHOD OF ATTACHMENT TO THE TRANSIT STRUCTURE MUST BE SUBMITTED TO NYCT FOR APPROVAL.

23. ALL LUMBER AND PLYWOOD USED FOR PROTECTION OF SUBWAY FACILITIES MUST BE FIRE RETARDANT.

24. SUBWAY EMERGENCY EXITS MUST BE KEPT CLEAR AT ALL TIMES.

25. IN EXCAVATING OVER OR NEAR THE SUBWAY ROOF, SPECIAL CARE SHALL BE EXERCISED SO THAT THE THIN CONCRETE PROTECTION OF THE SUBWAY WATERPROOFING IS NOT DAMAGED.

26. BURNING OF, WELDING TO OR DRILLING THROUGH EXISTING STEEL STRUCTURES WILL NOT BE PERMITTED EXCEPT AS SHOWN ON DRAWINGS APPROVED BY NYCT.

27. HORIZONTAL AND VERTICAL CONTROL SURVEY DATA OF THE EXISTING NYCT STRUCTURE IS TO BE TAKEN BY A LICENSED LAND SURVEYOR TO MONITOR ANY MOVEMENTS THAT OCCUR DURING CONSTRUCTION AND TO SHOW THAT THE INDUCED MOVEMENTS ARE WITHIN ALLOWABLES NOTED BELOW. IF ANY MOVEMENTS EXCEED ALLOWABLES, REMEDIATION AS APPROVED BY NYCT SHALL BE PERFORMED.

STRUCTURE	NOTIFY NYCT ENGINEER	STOP WORK
ELEVATED	1/8 INCH	1/4 INCH
SUBWAY	1/4 INCH	1/2 INCH

28. BUS ROUTES AFFECTED BY THE PROJECT WILL OR MAY REQUIRE BUS DIVERSIONS. THESE ARRANGEMENTS SHALL BE MADE THROUGH:

MS. SARAH WYSS
ACTING DIRECTOR, OPERATIONS PLANNING
NEW YORK CITY TRANSIT
2 BROADWAY, ROOM A17.82
NEW YORK, NEW YORK 10004
TELEPHONE NUMBER 646/252-5517

WHEN IMPACTING ANY BUS STOP, SPECIAL OPERATIONS MUST BE NOTIFIED TWO WEEKS IN ADVANCE.

29. DUCT LINES MUST BE MAINTAINED AND PROTECTED DURING CONSTRUCTION. ANY INTERFERENCE WITH DUCT LINES SHOULD BE REPORTED TO NYCT INSPECTOR. WHEN A DUCT LINE CONTAINING CABLES IS TO BE REMOVED, OR WHEN MASONRY ADJACENT THERETO IS TO BE REMOVED, PENETRATED, OR DRILLED, THE WORK SHALL BE DONE WITH HAND LABOR ENTIRELY, USING HAMMER AND CHISEL. JACKHAMMERS, BULL POINTS OR OTHER POWER EQUIPMENT SHALL NOT BE USED.

30. WHERE MANHOLES ARE ENCOUNTERED:

a) THEY SHALL BE PROTECTED AND RAISED OR LOWERED AS REQUIRED, TO MATCH THE NEW STREET GRADE.

b) IF MANHOLE COVERS ARE RAISED OR LOWERED, PROTECT CABLES IN MANHOLE BY WOOD SHEETING OF 2" NOMINAL THICKNESS.

c) PRIOR TO THE START OF CONSTRUCTION OPERATIONS AFFECTING MANHOLES AND DUCT LINES, SEVEN DAYS NOTICE MUST BE GIVEN TO MR. JOHN MALVASIO, P.E., ASSISTANT CHIEF ENGINEERING OFFICER, MAINTENANCE OF WAY, AT 718/694-1358.

31. CONSTRUCTION WORK DONE NEAR VENT GRATINGS AND HATCHES SHALL BE AS FOLLOWS:

a) UNLESS APPROVED BY THE NYCT'S ENGINEER, ALL VENT GRATINGS AND HATCHES SHOULD REMAIN OUTSIDE THE CONSTRUCTION SITE, SEPARATED BY A CONSTRUCTION FENCE. PROTECTIVE SHIELDS MUST BE PROVIDED OVER VENT GRATINGS AS REQUIRED BY NYCT'S ENGINEER.

b) NO BUILDING MATERIAL, VEHICLES OR CONSTRUCTION EQUIPMENT IS TO BE STORED OR RUN OVER VENT, GRATINGS, HATCHES OR EMERGENCY EXITS.

c) DETAILS OF SIDEWALK RECONSTRUCTION AROUND VENT GRATINGS, HATCHES AND EMERGENCY EXITS ARE TO BE SUBMITTED TO NYCT FOR APPROVAL.

32. TRACTORS, CRANES, EXCAVATORS, ETC. USED IN THE VICINITY OF THE ELEVATED STRUCTURES SHALL BE ISOLATED FROM THE GROUND. SINCE THE ELEVATED STRUCTURE IS USED AS A NEGATIVE RETURN PATH, WITH A CONSEQUENT POTENTIAL BETWEEN IT AND THE GROUND, ANY CONTACT BETWEEN THE STRUCTURE AND GROUNDED EQUIPMENT COULD RESULT IN BURNING OF THE STEEL.

33. TEMPORARY CONSTRUCTION SHEDS, BARRICADES OR PLYWOOD PARTITIONS MUST BE A MINIMUM OF 5'-0" FROM EDGE OF FINISHED PLATFORM.

34. STATION AREAS OR STAIRWAY/CLOSINGS: THE GENERAL REQUIREMENTS FOR STATION AREAS OR STAIRWAY/CLOSINGS ARE AS FOLLOWS:

a) ONLY ONE STAIRWAY AT EACH STATION WILL BE PERMITTED TO BE CLOSED AT THE SAME TIME. APPROVALS FOR CLOSING ANY STAIRWAY MUST BE OBTAINED FROM THE DIVISION OF STATION OPERATIONS AT LEAST THREE WEEKS IN ADVANCE.

b) MR. ASHOK PATEL, DIRECTOR, OFFICE OF STATION PROGRAMS; TELEPHONE 718/694-1695 OF THE DIVISION OF STATIONS MUST BE NOTIFIED ONE WEEK PRIOR TO THE ACTUAL CLOSING AND REOPENING OF THE ENTRANCE.

c) SIGNAGE MUST BE SUPPLIED AND POSTED AT LEAST ONE WEEK IN ADVANCE, ADVISING THE PUBLIC OF THE PROPOSED SUBWAY STAIR CLOSING. HOWEVER, IF IT IS AN ENTIRE ENTRANCE CLOSING, SIGNAGE MUST BE POSTED TWO WEEKS IN ADVANCE.

d) THE STREET ENTRANCE STAIRWAY SHOULD NOT BE CLOSED UNLESS MANPOWER AND MATERIALS ARE AVAILABLE TO COMMENCE WORK ON DATES PERMITTED.

e) ONCE THE CLOSING IS EFFECTED, CONSTRUCTION SIGNS MUST BE PLACED AT APPROPRIATE LOCATIONS ON THE BARRICADES AT THE STREET AND MEZZANINE LEVELS, STATING THE CONTRACTOR'S NAME, 24 HOUR EMERGENCY TELEPHONE NUMBER, CONTRACT NUMBER, THE DURATION OF THE CLOSING, DIRECTION TO AN ALTERNATE ENTRANCE/EXIT, AND AN APOLOGY FOR THE INCONVENIENCE TO OUR CUSTOMERS.

f) EXISTING STATION SIGNAGE MUST BE ADJUSTED TO REFLECT ANY CHANGES IN ACCESS/EGRESS.

g) BARRICADES ARE TO BE PAINTED AND KEPT GRAFFITI FREE AT ALL TIMES. THE CONTRACTOR MUST MAINTAIN THE BARRICADED AREA CLEAN OF ALL DEBRIS.

h) ALL MATERIALS ARE TO BE PROPERLY STORED AND SECURED AWAY FROM PASSENGER TRAFFIC.

i) THE CONTRACTOR MUST REMOVE ALL WASTE MATERIAL AND BARRICADES FROM ALL STATION AREAS WHEN CONSTRUCTION IS COMPLETED.

j) INSPECTION OF THE AREA UNDER CONSTRUCTION BY AUTHORIZED STATION DEPARTMENT EMPLOYEES SHALL NOT BE INHIBITED.

k) IF STREETLIGHTS ON THE SIDEWALKS ARE AFFECTED, TEMPORARY LIGHTS SHALL BE PROVIDED.

35. IF NEW CONCRETE CONSTRUCTION IS JOINED TO EXISTING CONCRETE, DOWELS AND KEYWAYS ARE TO BE USED IN ACCORDANCE WITH NYCT STANDARDS.

36. IF THE PROJECT INVOLVES CONSTRUCTION OR ALTERATION OF A SUBWAY FACILITY ON PRIVATE PROPERTY, THE PROPERTY OWNERS WILL BE REQUIRED TO ENTER INTO AN AGREEMENT WITH NYCT PERTAINING TO ALL WORK AFFECTING THE TRANSIT FACILITIES AND CLEARLY DEFINING LIMITS AND RESPONSIBILITY FOR MAINTENANCE AND LIABILITY.

37. WHEREVER A NEW SIDEWALK IS BEING PLACED ADJACENT TO NYCT STRUCTURES THE FOLLOWING WILL BE REQUIRED:

a) THE TOP OF THE NEW SIDEWALK SHALL BE FLUSH WITH THE SUBWAY VENT GRATINGS, HATCHES AND EMERGENCY EXITS.

b) THE SLOPE OF THE NEW SIDEWALK SHALL BE SUCH THAT THE DRAINAGE BE AWAY FROM THESE STRUCTURES.

c) A 1/2" PREMOLDED FILLER SHALL BE INSTALLED BETWEEN THE NEW SIDEWALK AND NYCT STRUCTURE.

d) WHERE SIDEWALK ELEVATIONS ARE BEING CHANGED DETAILS OF PROPOSED WORK AROUND NYCT STRUCTURES ARE TO BE SUBMITTED FOR APPROVAL.

38. BEFORE ENTERING NYCT PROPERTY, CONTRACTOR OR SUBCONTRACTOR'S PERSONNEL SHALL HAVE ATTENDED NYCT TRACK SAFETY TRAINING AND EXPECT TO FOLLOW NYCT RULES AND REGULATIONS AS PER TRAINING AND ENGINEER INSTRUCTIONS

39. BEFORE THE START OF ANY WORK, THE CONTRACTOR SHALL MAKE AN EXAMINATION, IN THE PRESENCE OF NYCT'S ENGINEER, OF THE INTERIOR AND EXTERIOR OF NYCT SUBWAY OR OTHER STRUCTURE ADJACENT TO THE PROPOSED WORK. THE PERSON OR PERSONS AUTHORIZED BY THE CONTRACTOR TO MAKE THESE EXAMINATIONS SHALL BE APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL TAKE ALL PHOTOGRAPHS AS MAY BE NECESSARY OR ORDERED TO INDICATE THE EXISTING CONDITION OF NYCT STRUCTURE. ONE COPY OF EACH PHOTOGRAPH, EIGHT INCHES BY TEN INCHES IN SIZE, AND THE NEGATIVE IS TO BE SUBMITTED TO MR. JOHN MALVASIO, P.E., ASSISTANT CHIEF ENGINEERING OFFICER, MAINTENANCE-OF-WAY, 130 LIVINGSTON STREET, ROOM 8044D, BROOKLYN, NEW YORK 11201, TELEPHONE 718/694-1358 BEFORE THE START OF CONSTRUCTION.

40. ALL ARCHITECTURAL DETAILS (TOKEN BOOTHS, RAILINGS, DOORS, ETC.) ARE TO CONFORM TO THE LATEST NYCT STANDARDS. THESE STANDARDS ARE AVAILABLE AT NYCT.

41. STANDARD NYCT INSURANCE CLAUSES ARE TO BE MADE PART OF THE PROJECT'S CONTRACT DRAWINGS. PROOF THAT THE NECESSARY INSURANCE IS IN EFFECT WILL BE REQUIRED BEFORE WORK CAN COMMENCE.

42. AT THE CLOSE OF ANY PROJECT INVOLVING CONSTRUCTION OR ALTERATIONS TO TRANSIT FACILITIES, ONE SET OF VELLUMS OR MYLARS, FIVE SETS OF 35MM MICROFILM, AND ELECTRONIC COPIES COMPLYING TO MICROSTATION.DGN FORMAT OF "APPROVED AS-BUILTS" MUST BE PROVIDED TO NYCT FOR ITS RECORDS. FOR DETAILS OF SPECIFIC REQUIREMENTS CONTACT NYCT OUTSIDE PROJECTS.

43. AT LEAST SEVEN WORKING DAYS PRIOR TO THE START OF CONSTRUCTION OPERATIONS, NOTIFICATION MUST BE GIVEN TO MR. JOHN MALVASIO, P.E., ASSISTANT CHIEF ENGINEERING OFFICER, MAINTENANCE-OF-WAY, AT 718/694-1358. THE CONTRACTOR TO PROVIDE TEMPORARY QUARTERS NEAR THE JOB SITE FOR NYCT INSPECTORS CONTAINING A DESK AND TELEPHONE.

NYCT "NOT FOR BENEFIT" INSURANCE REQUIREMENTS

SECTION A: INSURANCE REQUIREMENTS

THE PERMITTEE AT ITS SOLE COST AND EXPENSE SHALL CARRY AND MAINTAIN POLICIES OF INSURANCE AT ALL TIMES DURING THE PERIOD OF PERFORMANCE UNDER THIS AGREEMENT AS HEREIN SET FORTH BELOW:

1. WORKERS' COMPENSATION: INCLUDING EMPLOYER'S LIABILITY INSURANCE WITH LIMITS OF LIABILITY NOT LESS THAN $2,000,000 WHICH MAY BE MET BY A COMBINATION OF PRIMARY AND EXCESS INSURANCE MEETING THE STATUTORY LIMITS OF NEW YORK STATE.

2. COMMERCIAL GENERAL LIABILITY: (ISO 2001 FORM OR EQUIVALENT) APPROVED BY PERMITTOR IN THE PERMITTEE'S NAME WITH LIMITS OF LIABILITY IN THE AMOUNT OF NOT LESS THAN $3,000,000 FOR EACH OCCURRENCE ON A COMBINED SINGLE LIMIT BASIS FOR INJURIES TO PERSONS (INCLUDING DEATH) AND DAMAGE TO PROPERTY, $3,000,000 GENERAL AGGREGATE AND $3,000,000 IN THE AGGREGATE WITH RESPECT TO PRODUCTS/COMPLETED OPERATIONS. THE LIMITS MAY BE PROVIDED IN THE FORM OF A PRIMARY POLICY OR COMBINATION OF PRIMARY AND UMBRELLA/EXCESS POLICY. WHEN THE MINIMUM CONTRACT AMOUNTS CAN ONLY BE MET WHEN APPLYING THE UMBRELLA/EXCESS POLICY, THE UMBRELLA/EXCESS POLICY MUST FOLLOW FORM OF THE UNDERLYING POLICY AND BE EXTENDED TO "DROP DOWN" TO BECOME PRIMARY IN THE EVENT PRIMARY LIMITS ARE REDUCED OR AGGREGATE LIMITS ARE EXHAUSTED. SUCH INSURANCE SHALL BE PRIMARY AND NON-CONTRIBUTORY TO ANY OTHER VALID AND COLLECTIBLE INSURANCE AND MUST BE EXHAUSTED BEFORE IMPLICATING ANY PERMITTOR/MTA POLICY AVAILABLE.

SUCH POLICY SHOULD BE WRITTEN ON AN OCCURRENCE FORM, AND SHALL INCLUDE THE FOLLOWING COVERAGES:

- ADDITIONAL INSURED ENDORSEMENT (I.S.O. FORM CG 20 26 07/04) VERSION OR EQUIVALENT APPROVED BY THE PERMITTOR, SHALL NAME THE INDEMNITEES AS REFERENCED UNDER SECTION B OF THIS AGREEMENT AS ADDITIONAL INSUREDS.
- CONTRACTUAL LIABILITY ASSUMED BY THE PERMITTEE UNDER THIS AGREEMENT;
- PERSONAL AND ADVERTISING INJURY;
- PRODUCTS-COMPLETED OPERATIONS;
- INDEPENDENT CONTRACTORS;
- "XCU" (EXPLOSION, COLLAPSE, AND UNDERGROUND HAZARDS) WHERE NECESSARY;
- CONTRACTUAL LIABILITY EXCLUSION, APPLICABLE TO CONSTRUCTION OR DEMOLITION OPERATIONS TO BE PERFORMED WITHIN 50 FEET OF RAILROAD TRACKS, MUST BE REMOVED, WHERE NECESSARY;

3. BUSINESS AUTOMOBILE LIABILITY: (ISO FORM CA 00 01 10 01 OR EQUIVALENT) APPROVED BY THE PERMITTOR IS REQUIRED IF PERMITTEE'S VEHICLE ENTERS PERMITTOR'S PROPERTY. THE INSURANCE MUST BE IN THE NAME OF THE PERMITTEE OR ITS CONTRACTOR ENTERING THE PERMITTOR PROPERTY WITH LIMITS OF LIABILITY IN THE AMOUNT OF NOT LESS THAN $2,000,000 EACH ACCIDENT FOR CLAIMS FOR BODILY INJURIES (INCLUDING DEATH) TO PERSONS AND FOR DAMAGE TO PROPERTY ARISING OUT OF THE OWNERSHIP, MAINTENANCE OR USE OF ANY OWNED, HIRED OR NON-OWNED MOTOR VEHICLE.

4. RAILROAD PROTECTIVE LIABILITY: (ISO-RIMA OR EQUIVALENT FORM) APPROVED BY PERMITTOR COVERING THE WORK TO BE PERFORMED AT THE DESIGNATED JOB SITE AND AFFORDING PROTECTION FOR DAMAGES ARISING OUT OF BODILY INJURY OR DEATH, PHYSICAL DAMAGE TO OR DESTRUCTION OF PROPERTY, INCLUDING DAMAGE TO THE INSURED'S OWN PROPERTY AND CONFORMING TO THE FOLLOWING:

- THE POLICY SHALL BE ISSUED TO THE "NAMED INSUREDS" LISTED UNDER SECTION B.
- THE LIMIT OF LIABILITY SHALL BE NOT LESS THAN $2,000,000 PER OCCURRENCE, SUBJECT TO A $6,000,000 ANNUAL AGGREGATE;
- POLICY MUST BE ENDORSED TO PROVIDE COVERAGE FOR CLAIMS ARISING FROM INJURY TO EMPLOYEES COVERED BY FEDERAL EMPLOYER'S LIABILITY ACT (FELA).
- INDICATE THE NAME AND ADDRESS OF THE DESIGNATED CONTRACTOR, PROJECT LOCATION AND DESCRIPTION OF WORK, AND PERMIT NUMBER IF APPLICABLE.
- EVIDENCE OF RAILROAD PROTECTIVE LIABILITY INSURANCE, MUST BE PROVIDED IN THE FORM OF A POLICY. A DETAILED INSURANCE BINDER (ACORD OR MANUSCRIPT FORM) WILL BE ACCEPTED PENDING ISSUANCE OF THE POLICY, WHICH MUST BE PROVIDED WITHIN 30 DAYS FROM THE EFFECTIVE DATE.

5. ENVIRONMENTAL INSURANCE: IN THE EVENT ENVIRONMENTAL OR POLLUTION EXPOSURES EXIST, THE PERMITTEE SHALL REQUIRE THE ENVIRONMENTAL CONTRACTOR OR SUB-CONTRACTOR TO PROVIDE THE APPLICABLE INSURANCE COVERING SUCH EXPOSURE. THE LIMITS AND TYPES OF INSURANCE PROVIDED MUST BE SATISFACTORY TO THE PERMITTOR AND APPROVED PRIOR TO THE START OF THE WORK.

SECTION B: INDEMNITEES (ADDITIONAL INSUREDS / NAMED INSUREDS)

NEW YORK CITY TRANSIT AUTHORITY ("NYCT"), THE MANHATTAN AND BRONX SURFACE TRANSIT OPERATING AUTHORITY ("MABSTOA"), THE STATEN ISLAND RAPID TRANSIT OPERATING AUTHORITY ("SIRTOA"), THE METROPOLITAN TRANSPORTATION AUTHORITY ("MTA") INCLUDING ITS SUBSIDIARIES AND AFFILIATES, MTA CAPITAL CONSTRUCTION ("MTACC"), MTA BUS COMPANY ("MTA BUS"), AND THE CITY OF NEW YORK ("CITY" AS OWNER) AND THE RESPECTIVE AFFILIATES AND SUBSIDIARIES EXISTING CURRENTLY OR IN THE FUTURE OF AND SUCCESSORS TO EACH INDEMNIFIED PARTIES LISTED HEREIN.

SECTION C: GENERAL INSURANCE REQUIREMENTS

1. INSURANCE COMPANIES: ALL OF THE INSURANCE REQUIRED BY THIS ARTICLE SHALL BE WITH COMPANIES LICENSED OR AUTHORIZED TO DO BUSINESS IN THE STATE OF NEW YORK WITH AN A.M. BEST COMPANY RATING OF NOT LESS THAN A-/VII OR BETTER AND REASONABLY APPROVED BY THE PERMITTOR/MTA.

2. FORMS: ALL FORMS SHALL COMPLY WITH THE INSURANCE SERVICES OFFICE, INC. ("ISO") OR ITS EQUIVALENT APPROVED BY THE INSURANCE DEPARTMENT OF THE STATE OF NEW YORK

3. POLICY DEDUCTIBLE / SELF INSURED RETENTION: INSURANCE MAY CONTAIN A DEDUCTIBLE AND OR SELF-INSURED RETENTION AND SHALL NOT EXCEED $100,000. THE PERMITTEE SHALL BE RESPONSIBLE FOR ALL CLAIM EXPENSES AND LOSS PAYMENTS WITHIN THE DEDUCTIBLE OR SELF-INSURED RETENTION.

4. POLICY TERMS: THESE POLICIES MUST: (I) BE WRITTEN IN ACCORDANCE WITH THE REQUIREMENTS OF THE PARAGRAPHS ABOVE, AS APPLICABLE; (II) BE ENDORSED IN FORM ACCEPTABLE TO INCLUDE A PROVISION THAT SHOULD THE POLICY BE CANCELED, MATERIALLY CHANGED, OR NOT RENEWED, NOTICE SHALL BE DELIVERED IN ACCORDANCE WITH THE INSURANCE POLICY PROVISIONS TO THE PERMITTOR, AND (III) STATE OR BE ENDORSED TO PROVIDE THAT THE COVERAGE AFFORDED UNDER THE PERMITTEE'S POLICIES SHALL APPLY ON A PRIMARY AND NOT ON AN EXCESS OR CONTRIBUTING BASIS WITH ANY POLICIES WHICH MAY BE AVAILABLE TO THE PERMITTOR/MTA, AND ALSO THAT THE PERMITTEE'S POLICIES, PRIMARY AND EXCESS, MUST BE EXHAUSTED BEFORE IMPLICATING ANY PERMITTOR/MTA POLICY AVAILABLE. (IV) IN ADDITION, PERMITTEE'S POLICIES SHALL STATE OR BE ENDORSED TO PROVIDE THAT, IF A SUBCONTRACTOR'S POLICY CONTAINS ANY PROVISION THAT MAY ADVERSELY AFFECT WHETHER PERMITTEE'S POLICIES ARE PRIMARY AND MUST BE EXHAUSTED BEFORE IMPLICATING ANY PERMITTOR/MTA POLICY AVAILABLE, PERMITTEE'S AND SUBCONTRACTOR'S POLICIES SHALL NEVERTHELESS BE PRIMARY AND MUST BE EXHAUSTED BEFORE IMPLICATING ANY PERMITTOR/MTA POLICY AVAILABLE. AT LEAST TWO (2) WEEKS PRIOR TO THE EXPIRATION OF THE POLICIES, THE PERMITTEE SHALL ENDEAVOR TO PROVIDE EVIDENCE OF RENEWAL OR REPLACEMENT POLICIES OF INSURANCE, WITH TERMS AND LIMITS NO LESS FAVORABLE THAN THE EXPIRING POLICIES.

SECTION D: SUBMISSION OF INSURANCE

CERTIFICATES OF INSURANCE MAY BE SUPPLIED AS EVIDENCE OF POLICIES EXCEPT FOR RAILROAD PROTECTIVE LIABILITY. HOWEVER, IF REQUESTED BY THE PERMITTOR, THE PERMITTEE SHALL DELIVER TO THE PERMITTOR WITHIN FORTY-FIVE (45) DAYS A COPY OF SUCH POLICIES, CERTIFIED BY THE INSURANCE CARRIER AS BEING TRUE AND COMPLETE. IF A CERTIFICATE OF INSURANCE IS SUBMITTED, IT MUST: (1) BE PROVIDED ON THE PERMITTOR CERTIFICATE OF INSURANCE; (2) BE SIGNED BY AN AUTHORIZED REPRESENTATIVE OF THE INSURANCE CARRIER OR PRODUCER AND NOTARIZED; (3) DISCLOSE ANY DEDUCTIBLE, SELF-INSURED RETENTION, SUB-LIMIT, AGGREGATE LIMIT OR ANY EXCLUSIONS TO THE POLICY THAT MATERIALLY CHANGE THE COVERAGE; (4) INDICATE THE ADDITIONAL INSUREDS AS REQUIRED HEREIN UNDER SECTION B; THE PERMITTEE MUST PROVIDE A COPY OF THE ADDITIONAL INSURED ENDORSEMENT (ISO) FORM CG 20 26 07/04 OR ITS EQUIVALENT AND MUST REFERENCE THE POLICY INFORMATION; (5) INDICATE PROJECT NAME AND LOCATION ON THE CERTIFICATE; AND (6) EXPRESSLY REFERENCE THE INCLUSION OF ALL REQUIRED ENDORSEMENTS.

THE PERMITTEE OR ITS CONTRACTOR/SUBCONTRACTOR PERFORMING THE WORK SHALL FURNISH EVIDENCE OF ALL POLICIES BEFORE ANY WORK IS STARTED TO THE APPROPRIATE DEPARTMENT:

NEW AGREEMENTS:	RENEWAL INSURANCE:
MTA/NYCT MOW ENGINEERING	MTA RISK INSURANCE MANAGEMENT
ATTENTION: MR. JOHN MALVASIO	ATTENTION: RUTH APOSTOL
130 LIVINGSTON STREET	2 BROADWAY - 21ST FLOOR
BROOKLYN, NY 11201	NEW YORK, NY 10004

SECTION E: NO LIMIT OF LIABILITY
THE MINIMUM AMOUNTS OF INSURANCE REQUIRED IN THE DETAIL DESCRIPTION OF POLICIES ABOVE SHALL NOT BE CONSTRUED TO LIMIT THE EXTENT OF THE PERMITTEE'S LIABILITY UNDER THIS AGREEMENT.

SECTION F: RIGHT TO REQUEST ADDITIONAL INSURANCE
PERMITTEE FURTHER AGREES TO PROVIDE, AT PERMITTEE'S SOLE COST AND EXPENSE, SUCH INCREASED OR EXPANDED INSURANCE COVERAGE AS PERMITTOR MAY FROM TIME TO TIME AS DEEM APPROPRIATE.

SECTION G: EVENT OF DEFAULT
IF, AT ANY TIME DURING THE PERIOD OF THIS AGREEMENT, INSURANCE AS REQUIRED IS NOT IN EFFECT, OR PROOF THEREOF IS NOT PROVIDED TO THE PERMITTOR, THE PERMITTOR SHALL HAVE THE OPTIONS TO: (I) DIRECT THE PERMITTEE TO SUSPEND WORK OR OPERATION WITH NO ADDITIONAL COST OR EXTENSION OF TIME DUE ON ACCOUNT THEREOF; OR (II) TREAT SUCH FAILURE AS AN EVENT OF DEFAULT.

SECTION H: NOTICE OF CLAIM
THE PERMITTEE SHALL IMMEDIATELY FILE WITH NYCT/MTA'S TORT DIVISION (WITH A COPY TO THE PROJECT MANAGER), 130 LIVINGSTON STREET, 11TH FLOOR, BROOKLYN, NEW YORK 11201, A NOTICE OF ANY OCCURRENCE LIKELY TO RESULT IN A CLAIM AGAINST NYCT/MTA AND SHALL ALSO FILE WITH THE TORTS DIVISION DETAILED SWORN PROOF OF INTEREST AND LOSS WITH THE CLAIM. THIS PARAGRAPH SHALL SURVIVE THE EXPIRATION OR EARLIER TERMINATION OF THE CONTRACT.

PBDW ARCHITECTS
Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

Design 2147 Limited | Code Consultant
52 Diamond Street, Brooklyn, NY 11222
718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

Theatre Projects Consultants | Theater Consultant
47 Water Street
South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

Fisher Marantz Stone | Lighting Design
22 West 19th Street, Floor 6
New York, NY 10011
212 691 3020 | fmsp.com

Jaffe Holden | Acoustic Consultant
114–A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

DOB APPROVAL STAMP

Date:	No.:	Description:
12.09.2016	15	ISSUED FOR DOB FILING
11.15.2016	14	SOFT & STRUCTURAL DEMOLITION ISSUED FOR BID
11.09.2016	13	ISSUED FOR TA FILING
11.04.2016	12	ISSUED FOR DOB FILING
10.14.2016	11	TA RESUBMITTAL CHECK SET
10.07.2016	10	ISSUED FOR FILING
10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
TA NOTES

Roxane Tsirigotis, RA
R. Tsirigotis
Buildings
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: 1/8" = 1'-0"

Signature & Seal:
STATE OF NEW YORK
RAWSIE JIJINA
060340
LICENSED PROFESSIONAL ENGINEER

Sheet Number:
S-731

NYC DOB Number:
Sheet: of

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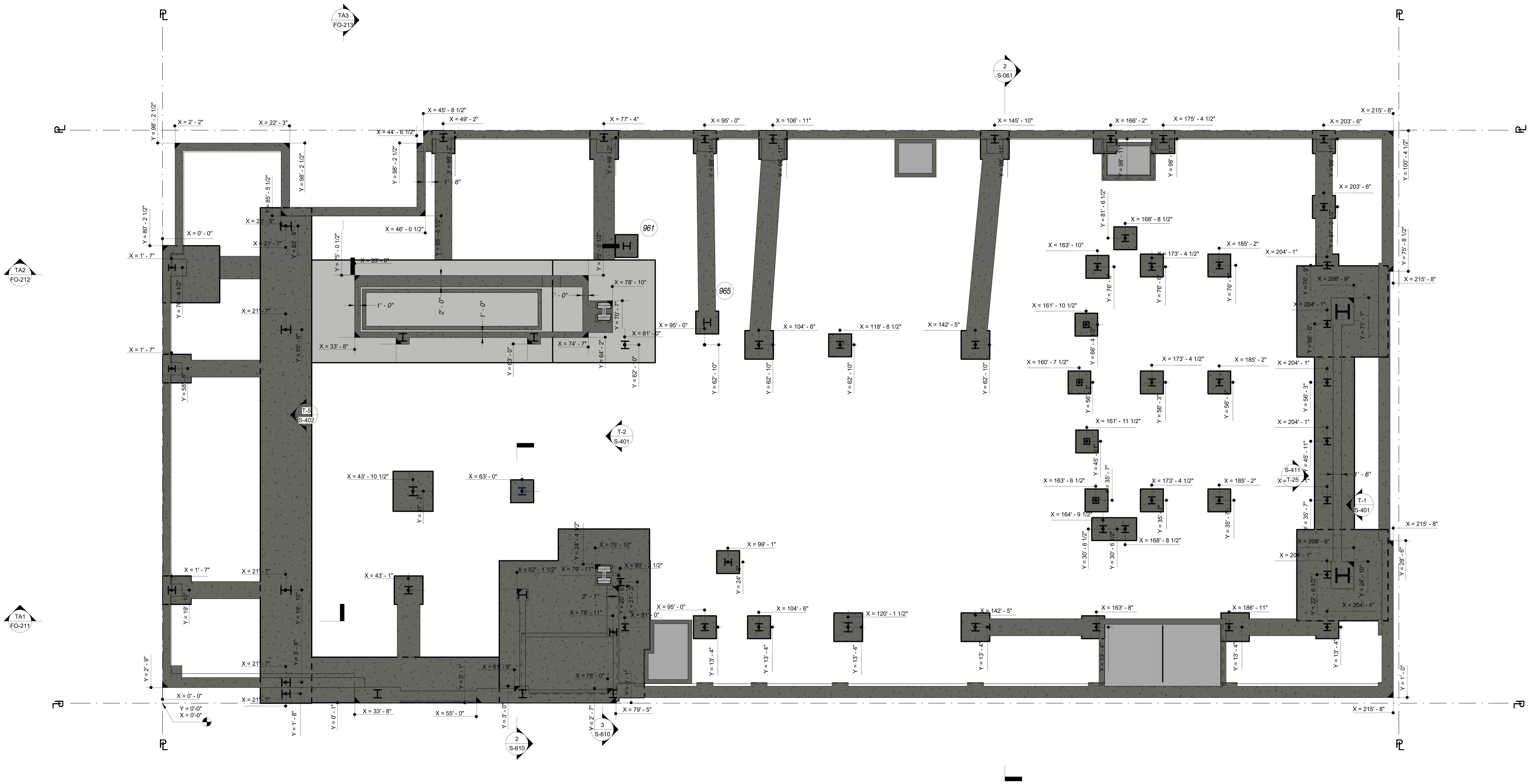

SUB-CELLAR I COORDINATION PLAN

1/8" = 1'-0"

PLANS ARE FOR COORDINATES ONLY, FOR EXTENT OF EXISTING AND NEW SEE FRAMING PLANS

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3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
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New York, NY 10001
212.209.1536

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07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

New York, NY 10036

Sheet Title:

SUB-CELLAR I COORDINATION PLAN

Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale: 1/8" = 1'-0"

Signature & Seal:

Sheet Number:

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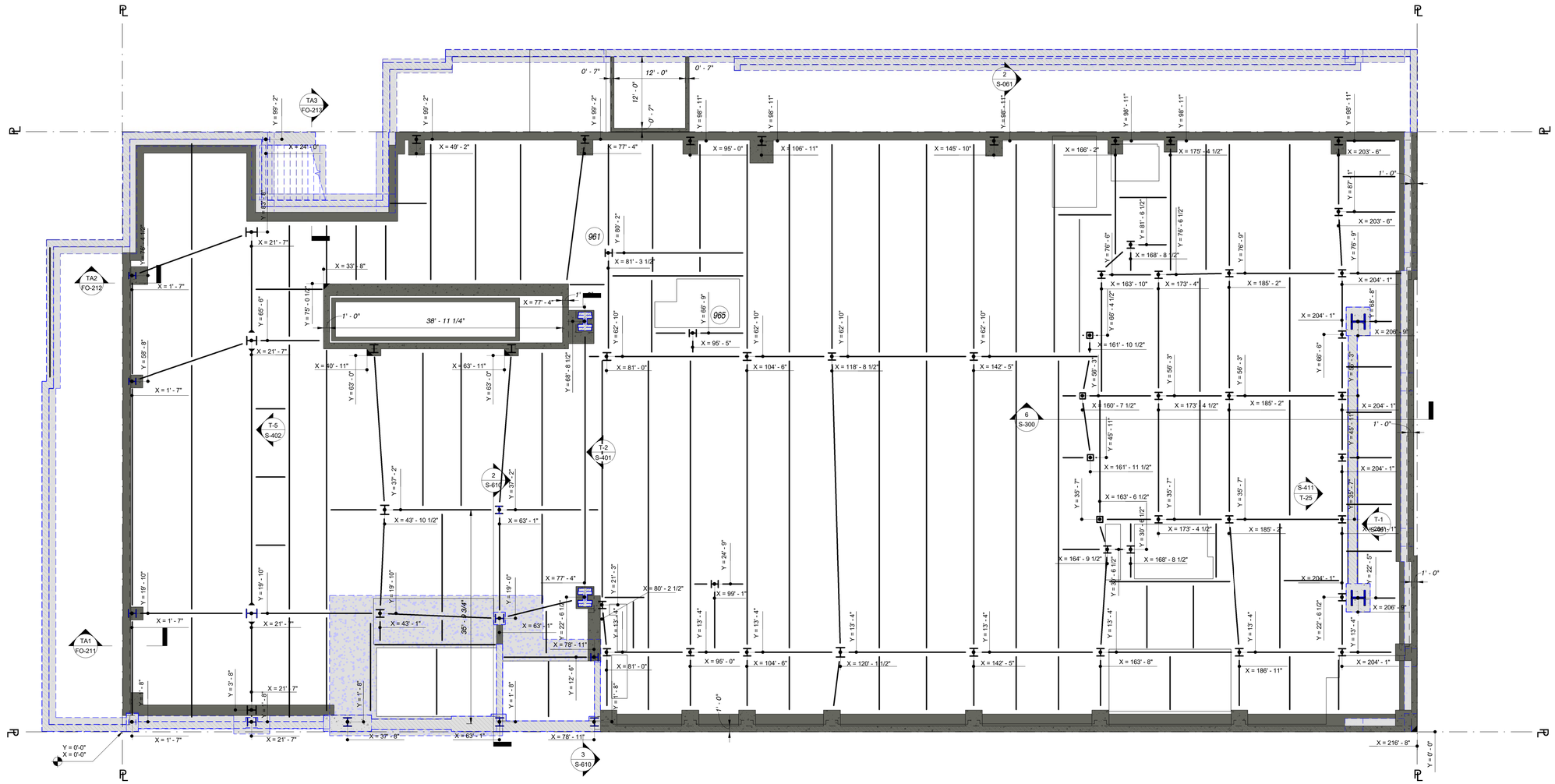

CELLAR COORDINATION PLAN

1/8" = 1'-0"

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Roxane Tsirigotis, RA
APPROVED
Under Directive 1 of 1975
Date: 04/20/2016
NYC Development Hub

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
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40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
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Date:	No.:	Description:

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Sheet Title:

CELLAR COORDINATION PLAN

Project Number: 13649	Signature & Seal:
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Checked By: Checker	
Scale: 1/8" = 1'-0"	

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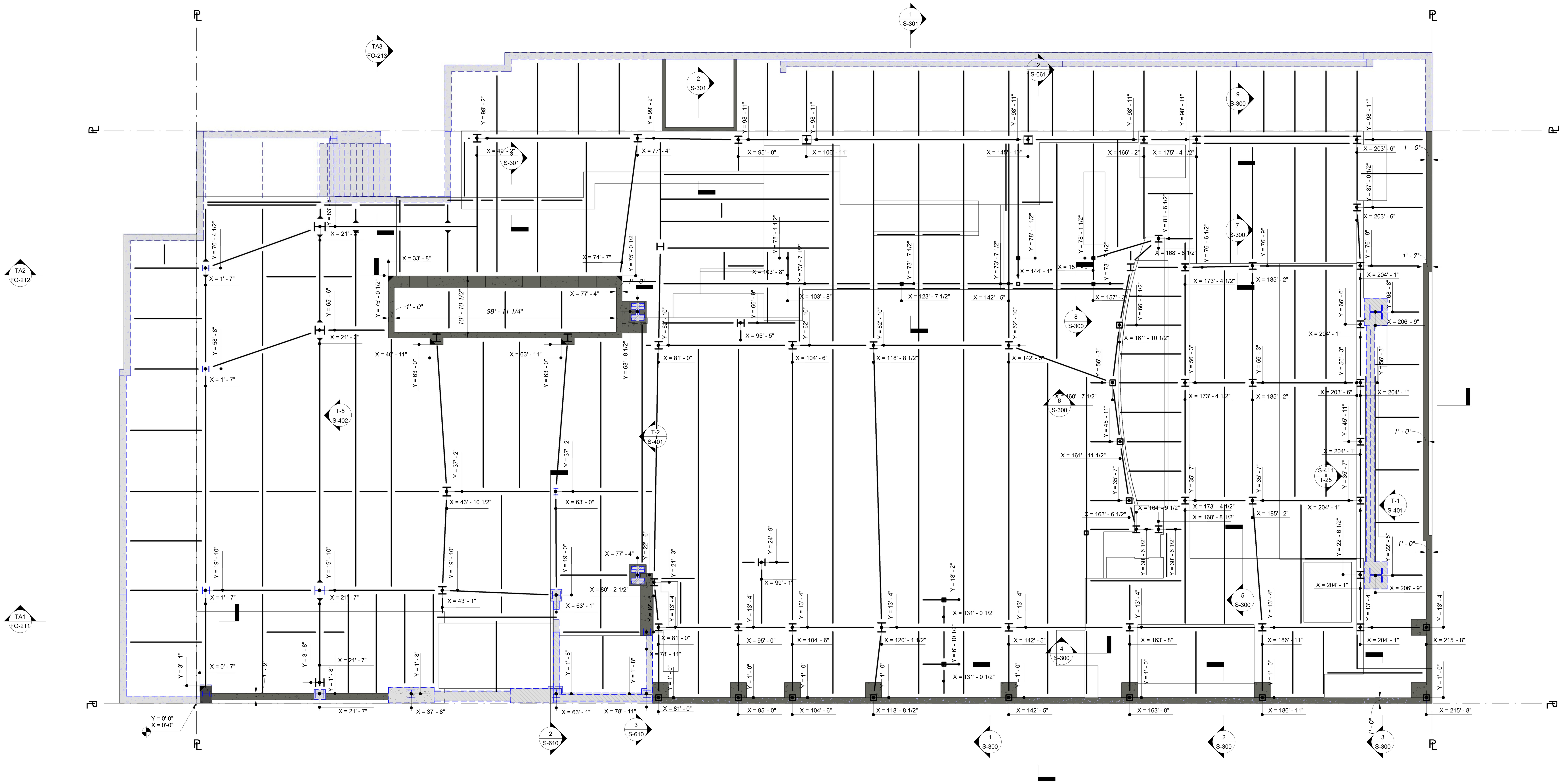

1ST FLOOR COORDINATION PLAN

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212.938.1260 | manciniduffy.com

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04.08.2016	4	100% SCHEMATIC DESIGN

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Sheet Title:
1ST FLOOR COORDINATION PLAN

Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale: 1/8" = 1'-0"

Signature & Seal:

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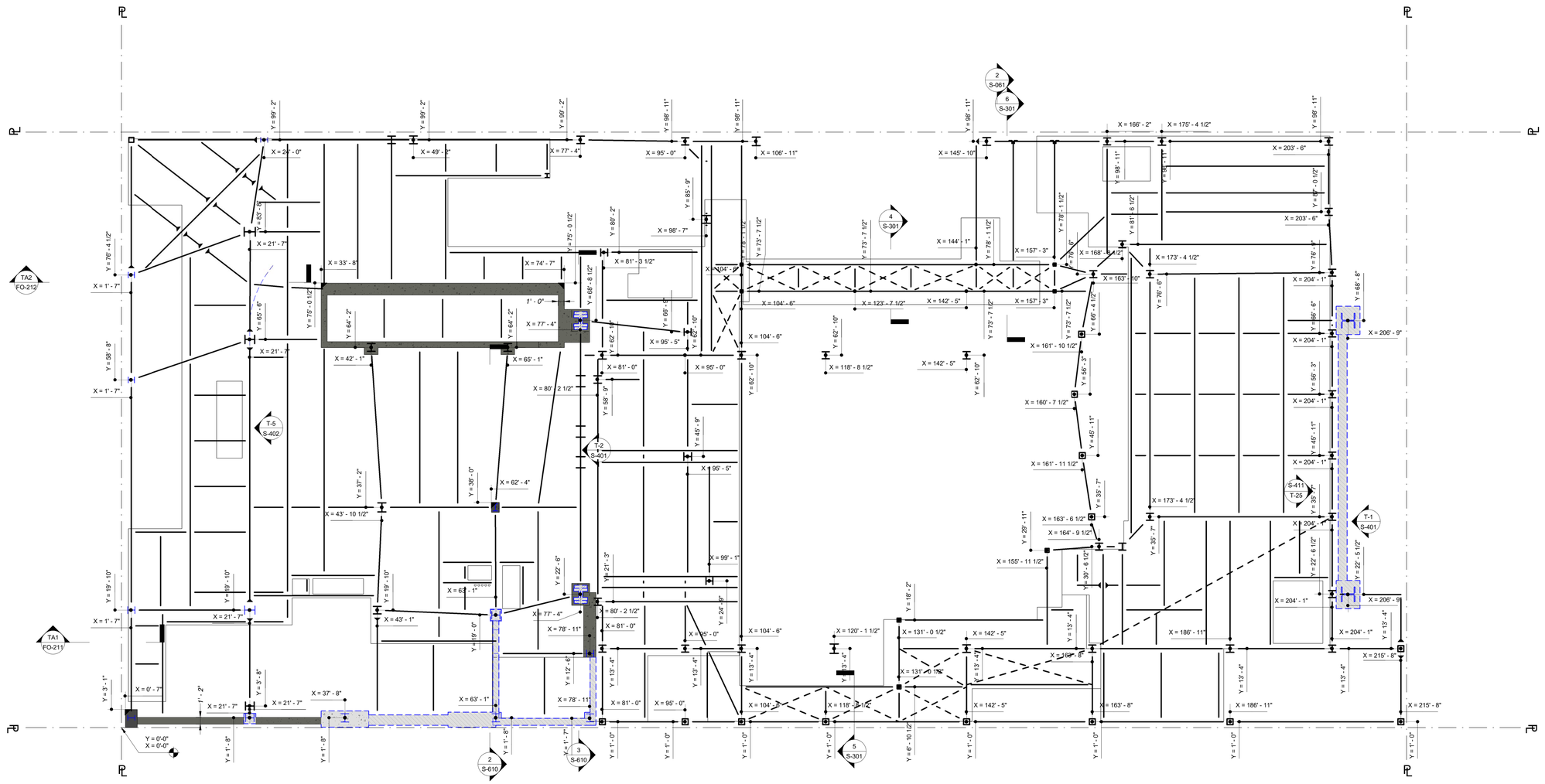

2ND FLOOR COORDINATION PLAN

1/8" = 1'-0"

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Roxane Tsirigotis, RA
APPROVED
Under Direction of Hub
Date: 04/25/2018
NYC Development Hub

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275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
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2ND FLOOR COORDINATION PLAN

Project Number: 13649
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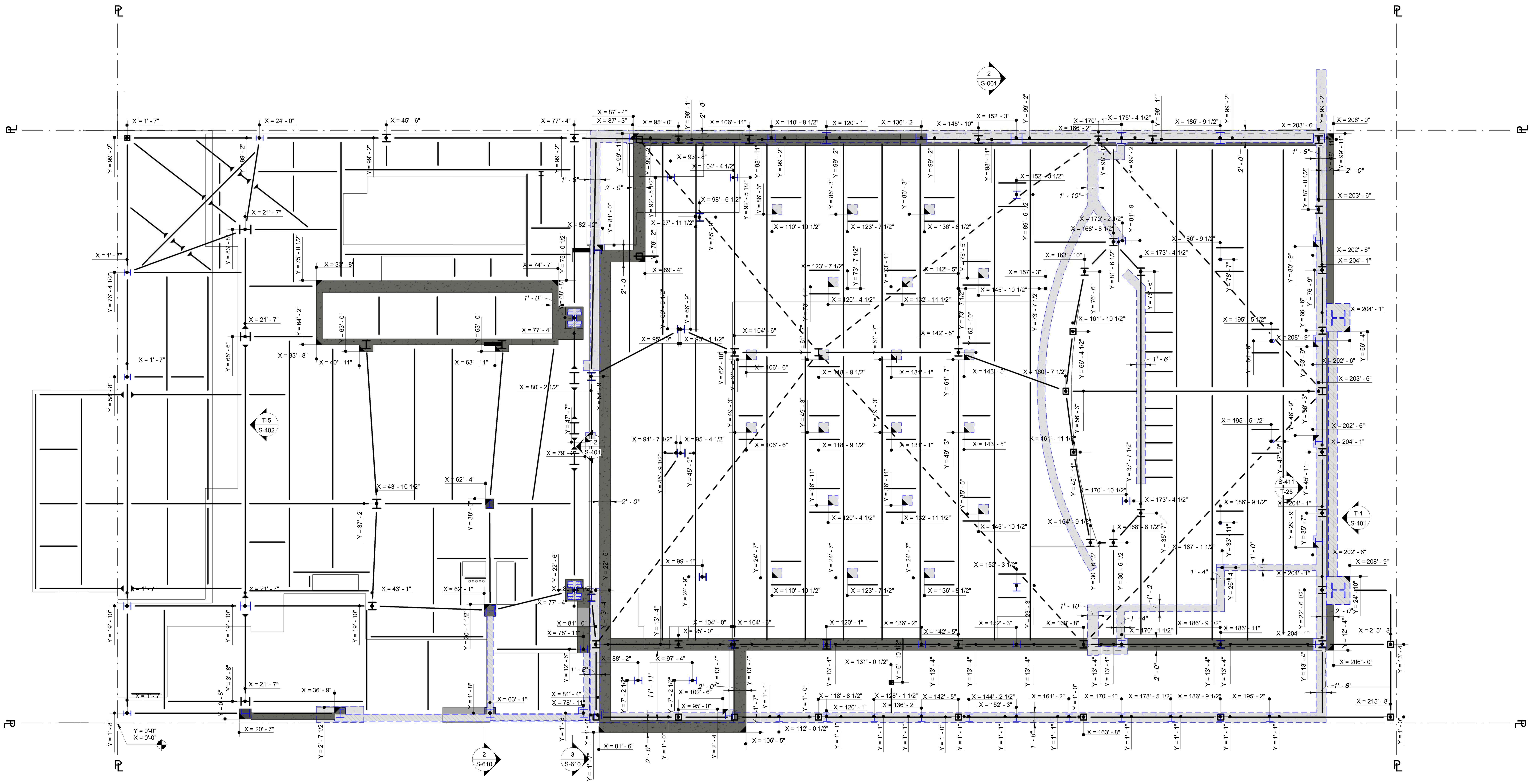

3RD FLOOR COORDINATION PLAN

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New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
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212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
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04.08.2016	4	100% SCHEMATIC DESIGN

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Sheet Title:

3RD FLOOR COORDINATION PLAN

Roxane Tsirigotis, RA
R. Tsirigotis
Buildings
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale: 1/8" = 1'-0"

Signature & Seal:

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CAWSIE JIJINA
060340
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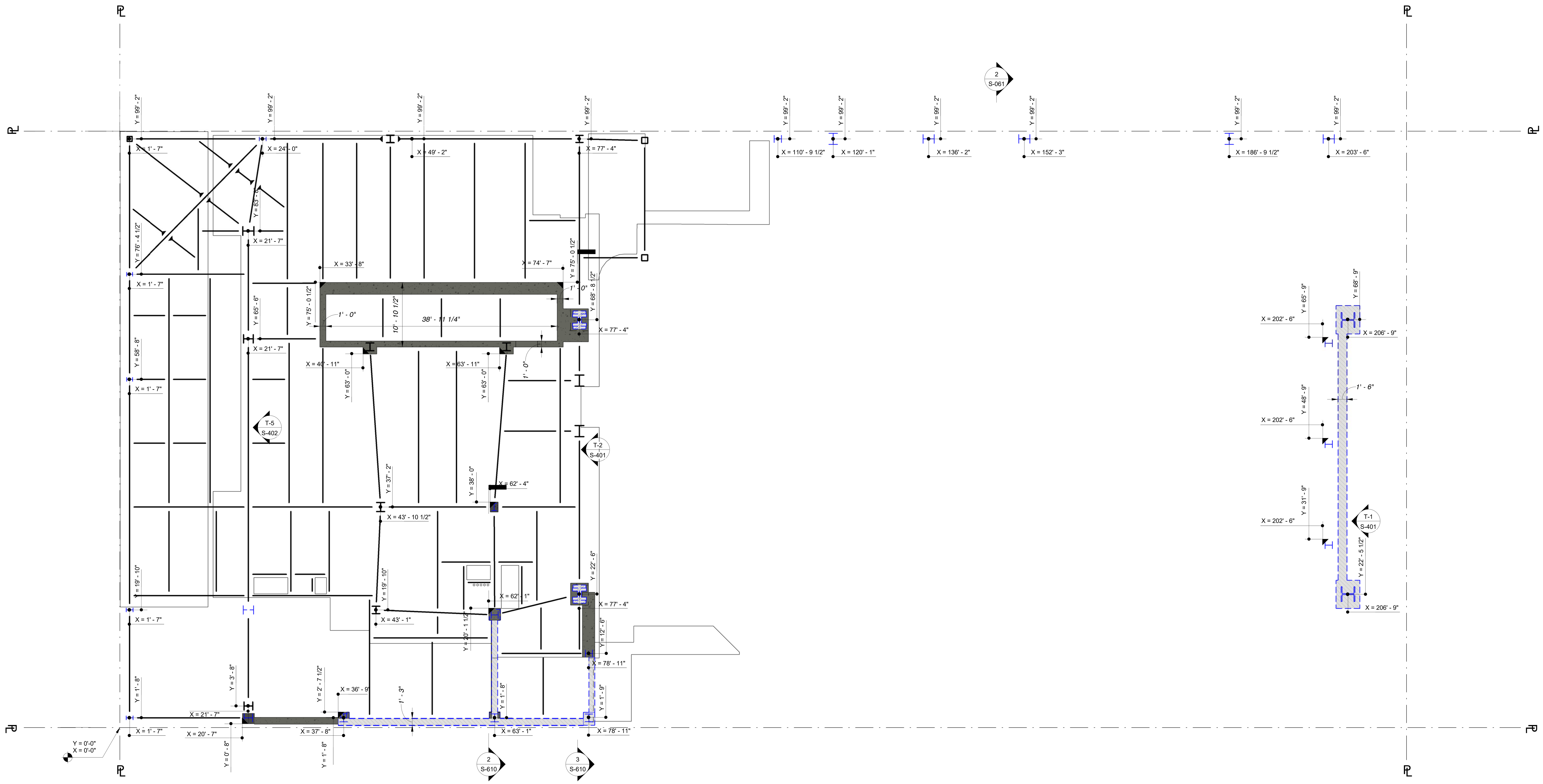

4TH FLOOR COORDINATION PLAN

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04.08.2016	4	100% SCHEMATIC DESIGN

Project:

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Sheet Title:

4TH FLOOR COORDINATION PLAN

Project Number: 13649

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Checked By: Checker

Scale: 1/8" = 1'-0"

Signature & Seal:

Sheet Number:

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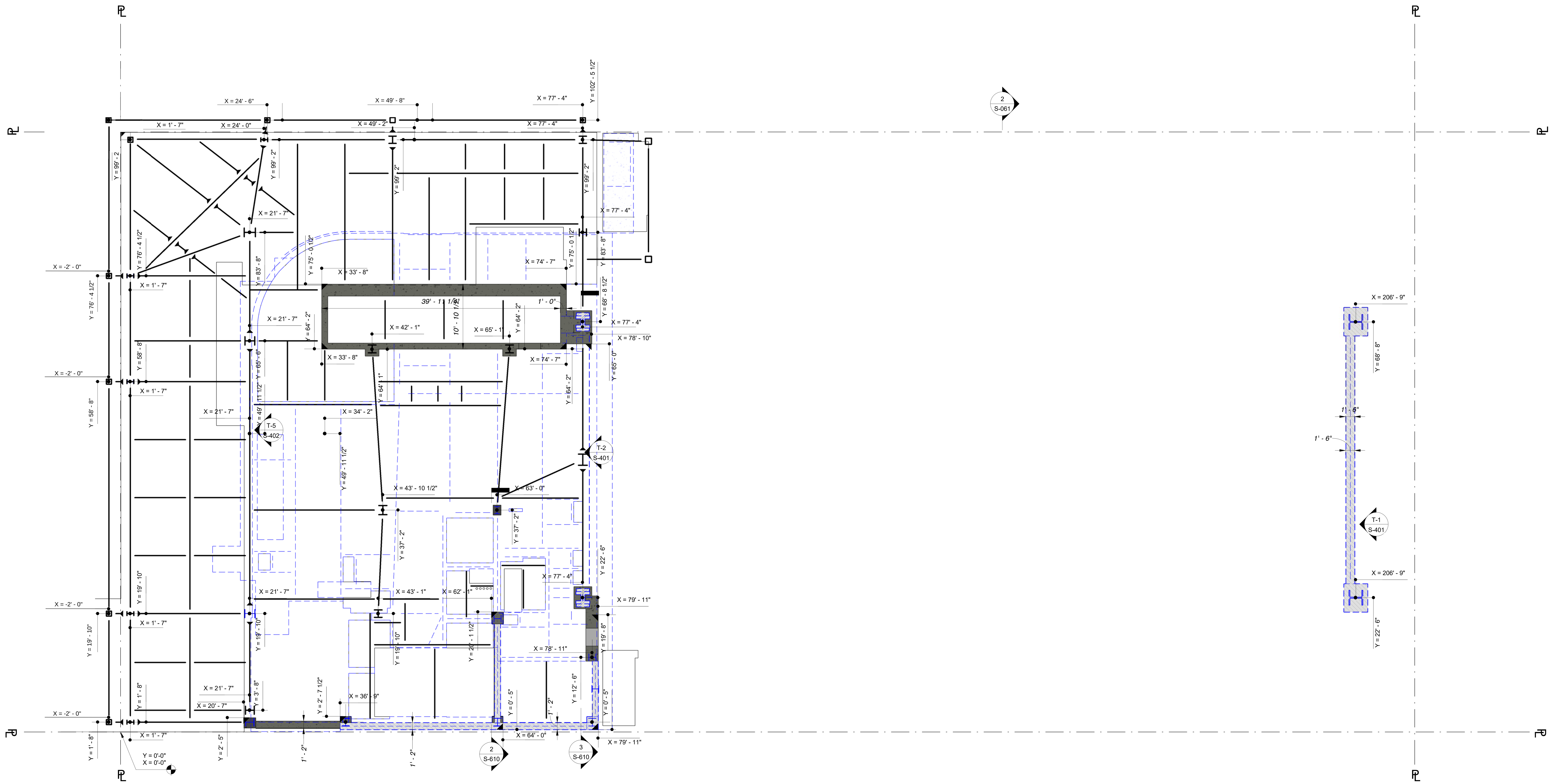

5TH FLOOR COORDINATION PLAN

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New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

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New York, NY 10121
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Sheet Title:
5TH FLOOR COORDINATION PLAN

Project Number: 13649

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Scale: 1/8" = 1'-0"

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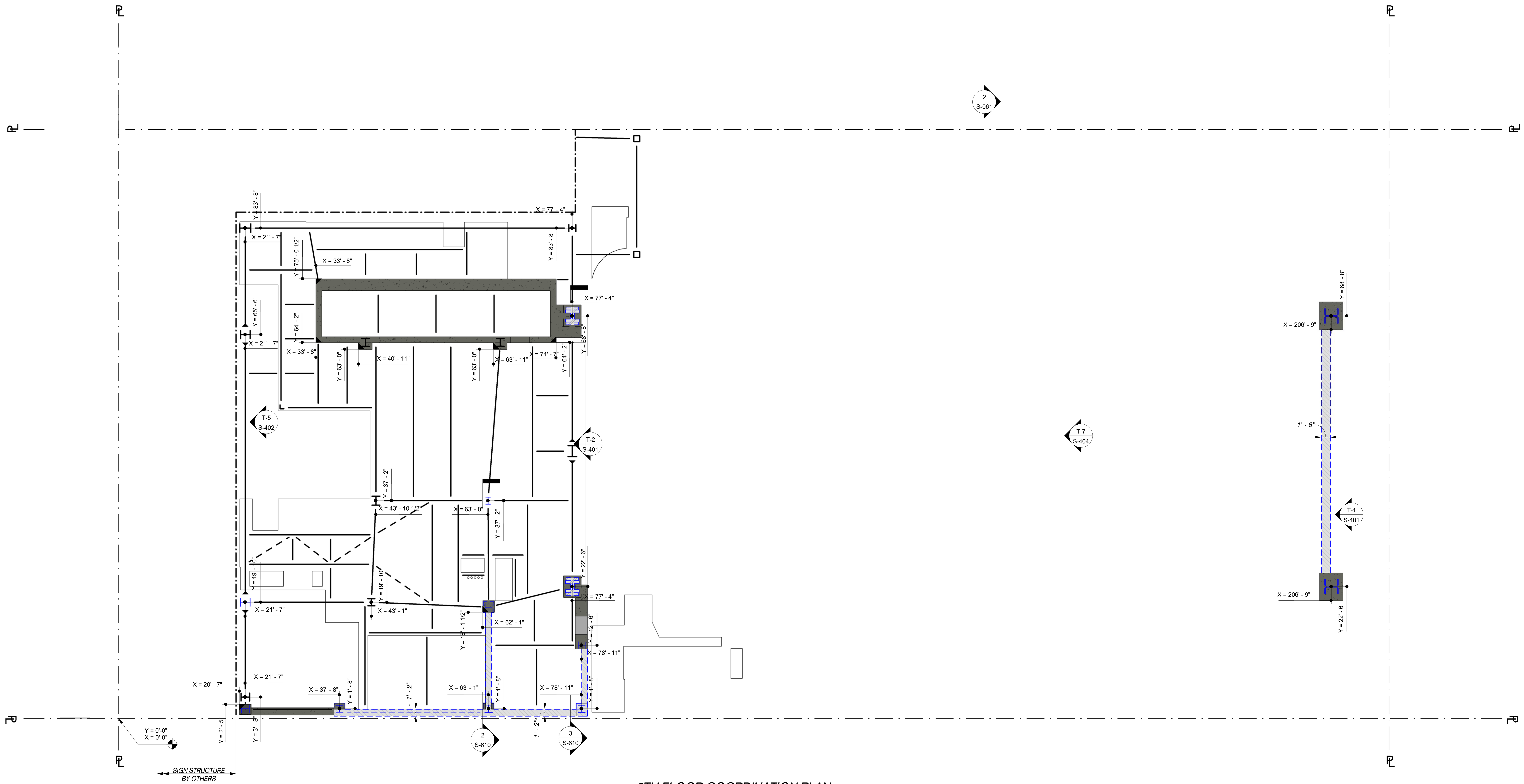

6TH FLOOR COORDINATION PLAN

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Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

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New York, NY 10121
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6TH FLOOR COORDINATION PLAN

Project Number: 13649

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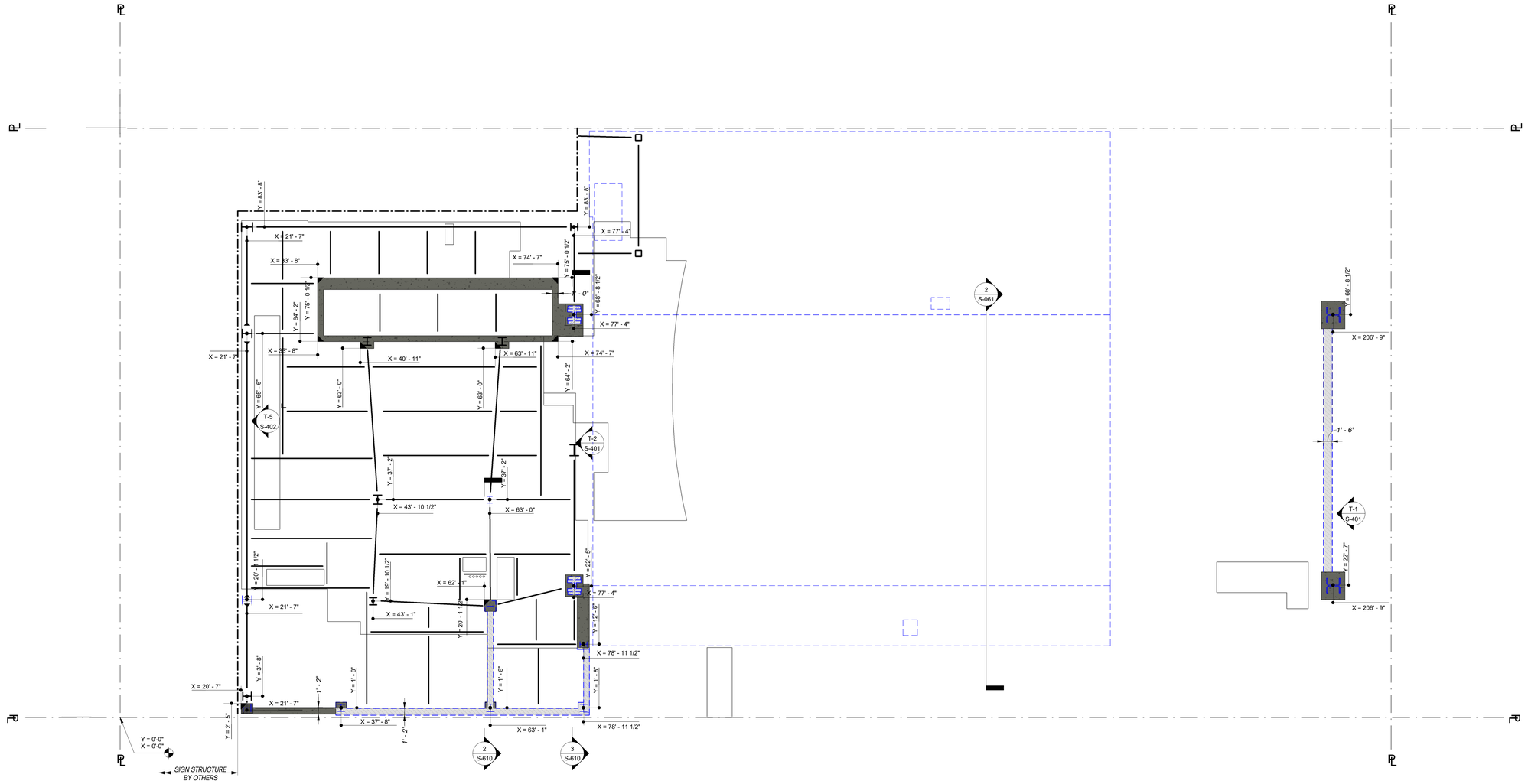

7TH FLOOR COORDINATION PLAN

1/8" = 1'-0"

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Roxane Tsirigotis, RA
R. Tsirigotis
APPROVED
Under Direction of Hpb
Date: 04/25/2016
NYC Development Hub

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Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
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212.986.3700 | severud.com

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06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN
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Sheet Title:
7TH FLOOR COORDINATION PLAN

Project Number: 13649	Signature & Seal:
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Scale: 1/8" = 1'-0"	

Sheet Number:
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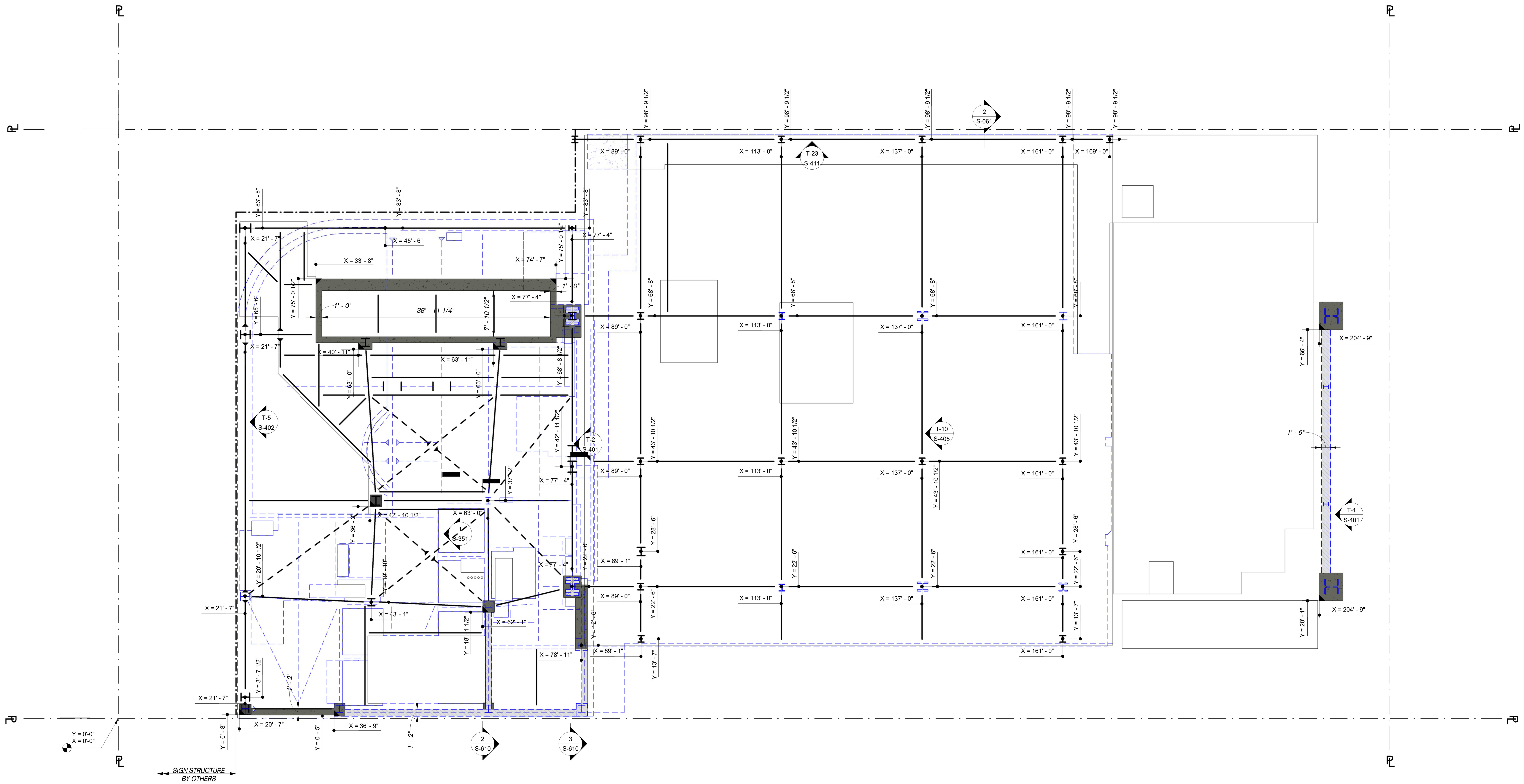

8TH FLOOR COORDINATION PLAN

1/8" = 1'-0"

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Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

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Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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718.383.9340 | design2147.com

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47 Water Street
South Norwalk, Connecticut 068541
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212 691 3020 | fmsp.com

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114–A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

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40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

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New York, NY 10036

Sheet Title:

8TH FLOOR COORDINATION PLAN

Project Number: 13649

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Scale: 1/8" = 1'-0"

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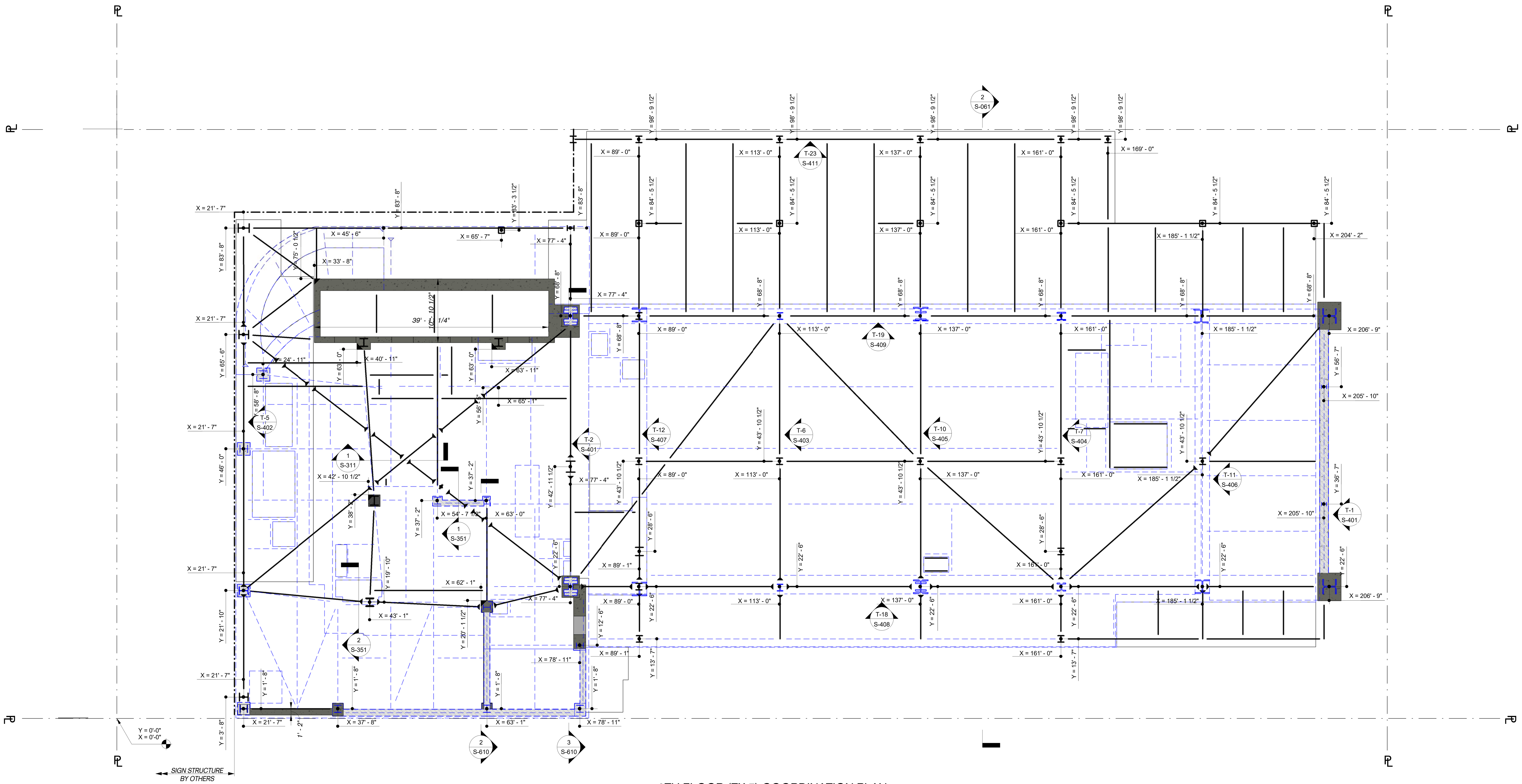
060340
LICENSED PROFESSIONAL ENGINEER

Sheet Number: S-809.00



9TH FLOOR (EX.7) COORDINATION PLAN

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275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

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Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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718.383.9340 | design2147.com

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Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
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9TH FLOOR COORDINATION PLAN

Roxane Tsirigotis, RA
Buildings
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

Project Number: 13649

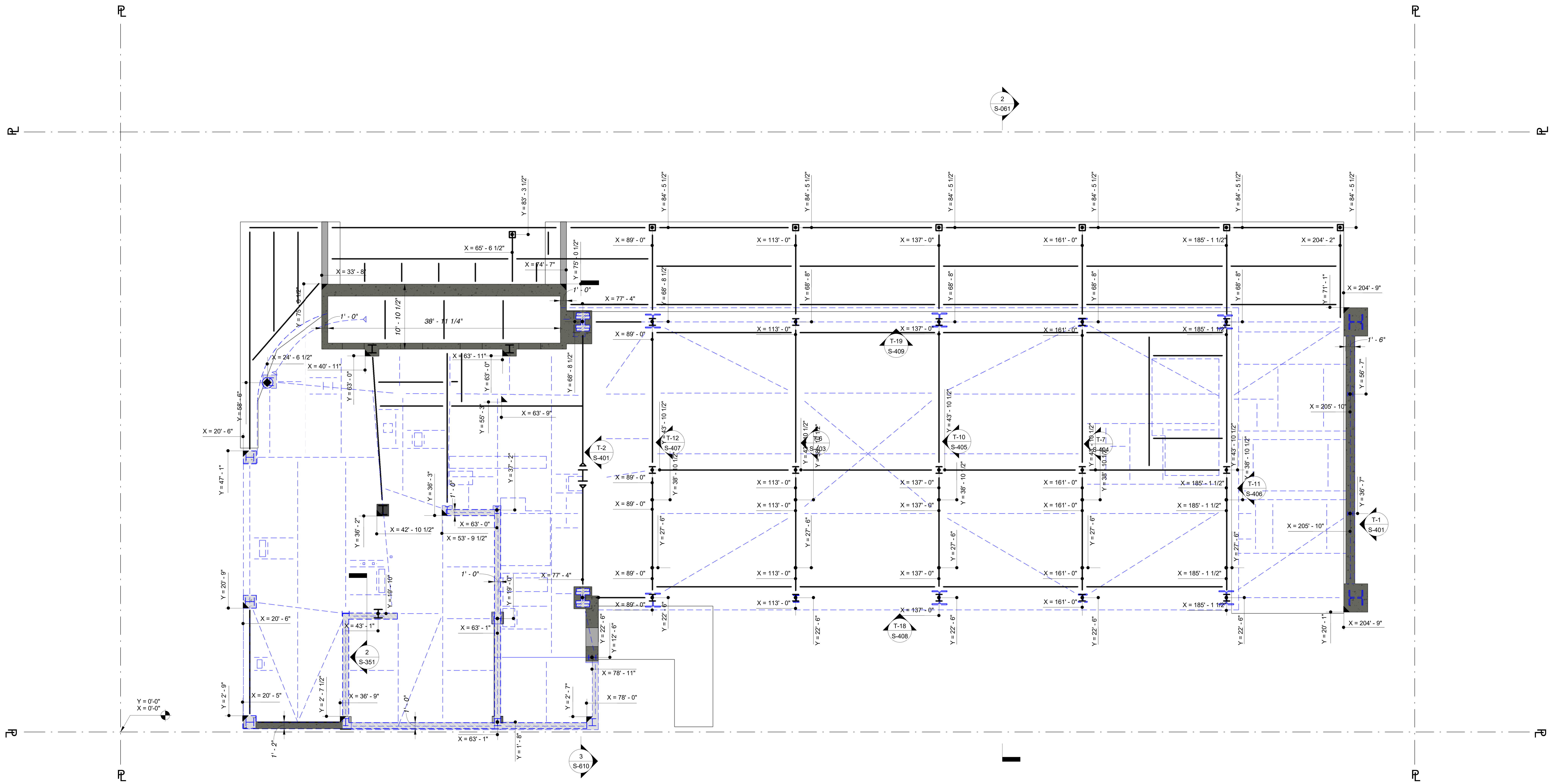
Drawn By: Author

Checked By: Checker

Scale: 1/8" = 1'-0"

Signature & Seal: STATE OF NEW YORK · CAWSIE JIJINA · 060340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number: S-810.00



10TH FLOOR COORDINATION PLAN

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212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
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Two Pennsylvania Plaza, 3rd Floor
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14 Wall Street, 2nd Floor
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10TH FLOOR COORDINATION PLAN

Roxane Tsirigotis, RA
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

Project Number: 13649

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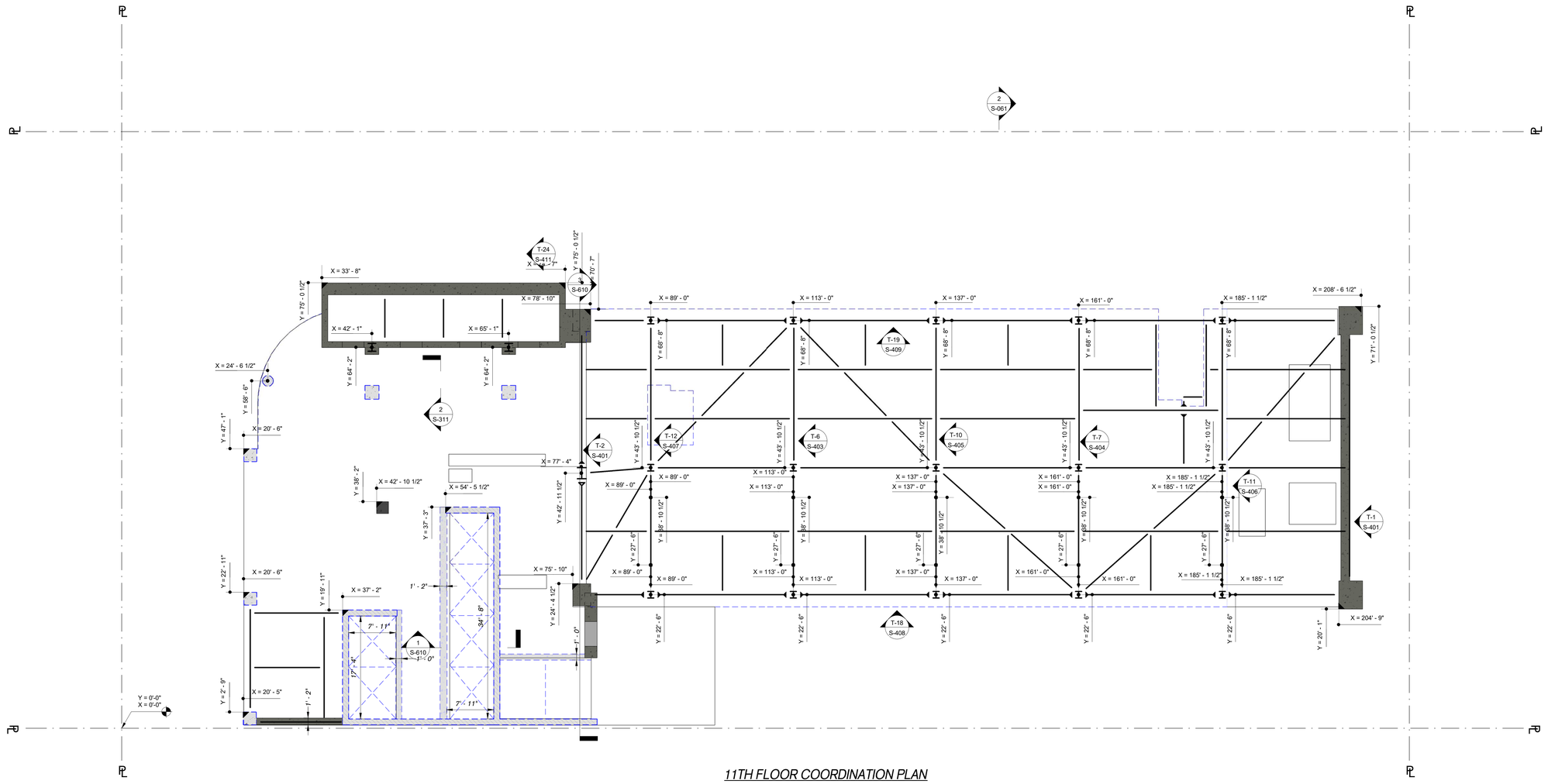

11TH FLOOR COORDINATION PLAN

1/8" = 1'-0"

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Roxane Tsirigotis, RA
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275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
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New York, NY 10121
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Date:	No.:	Description:

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
11TH FLOOR COORDINATION PLAN

Project Number: 13649	Signature & Seal:
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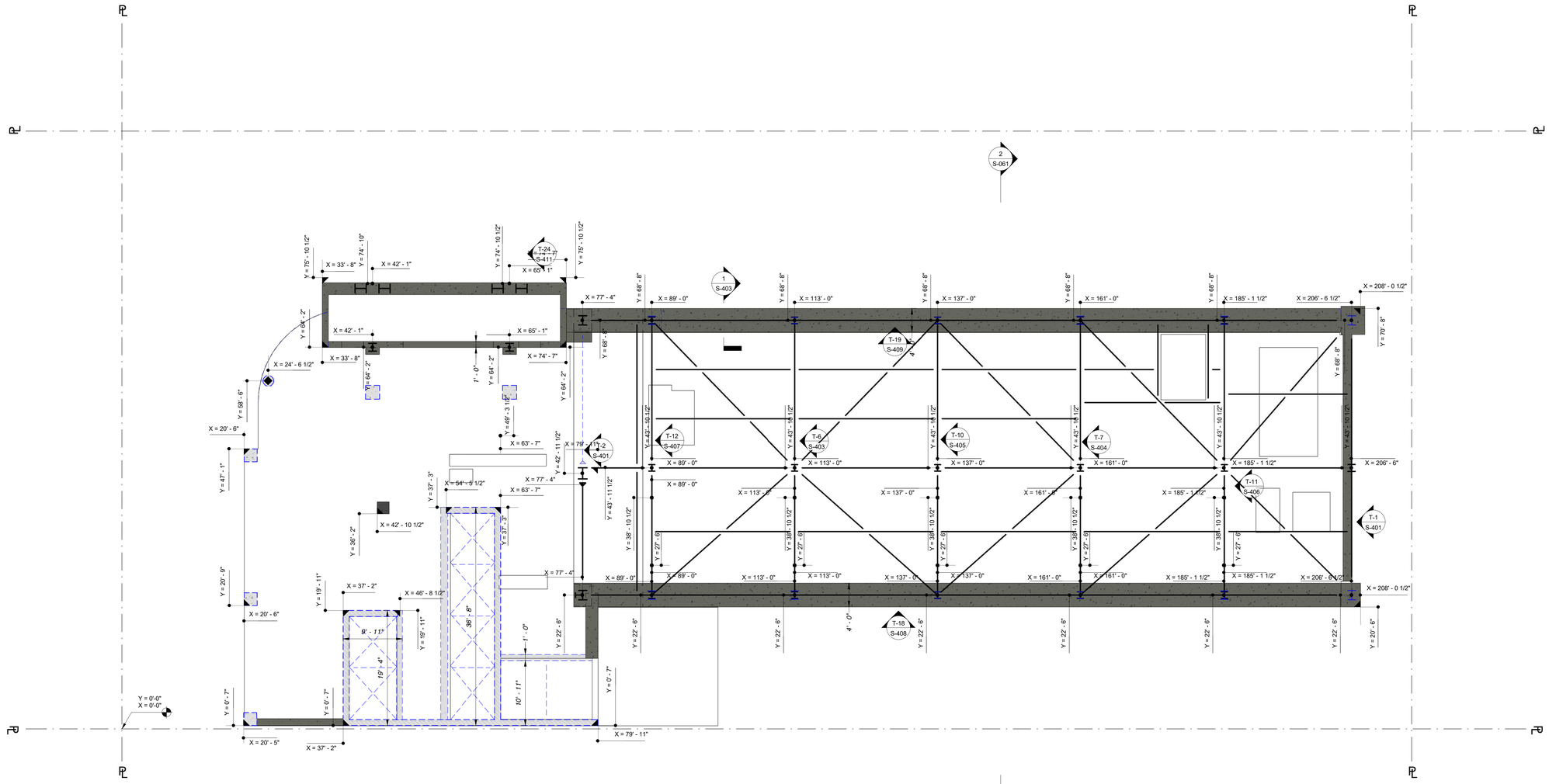

12TH FLOOR COORDINATION PLAN

1/8" = 1'-0"

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Roxane Tsirigotis, RA
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Date: 04/25/2016
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212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

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14 Wall Street, 2nd Floor
New York City, New York 10005
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Norwalk, CT 06854
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12TH FLOOR COORDINATION PLAN

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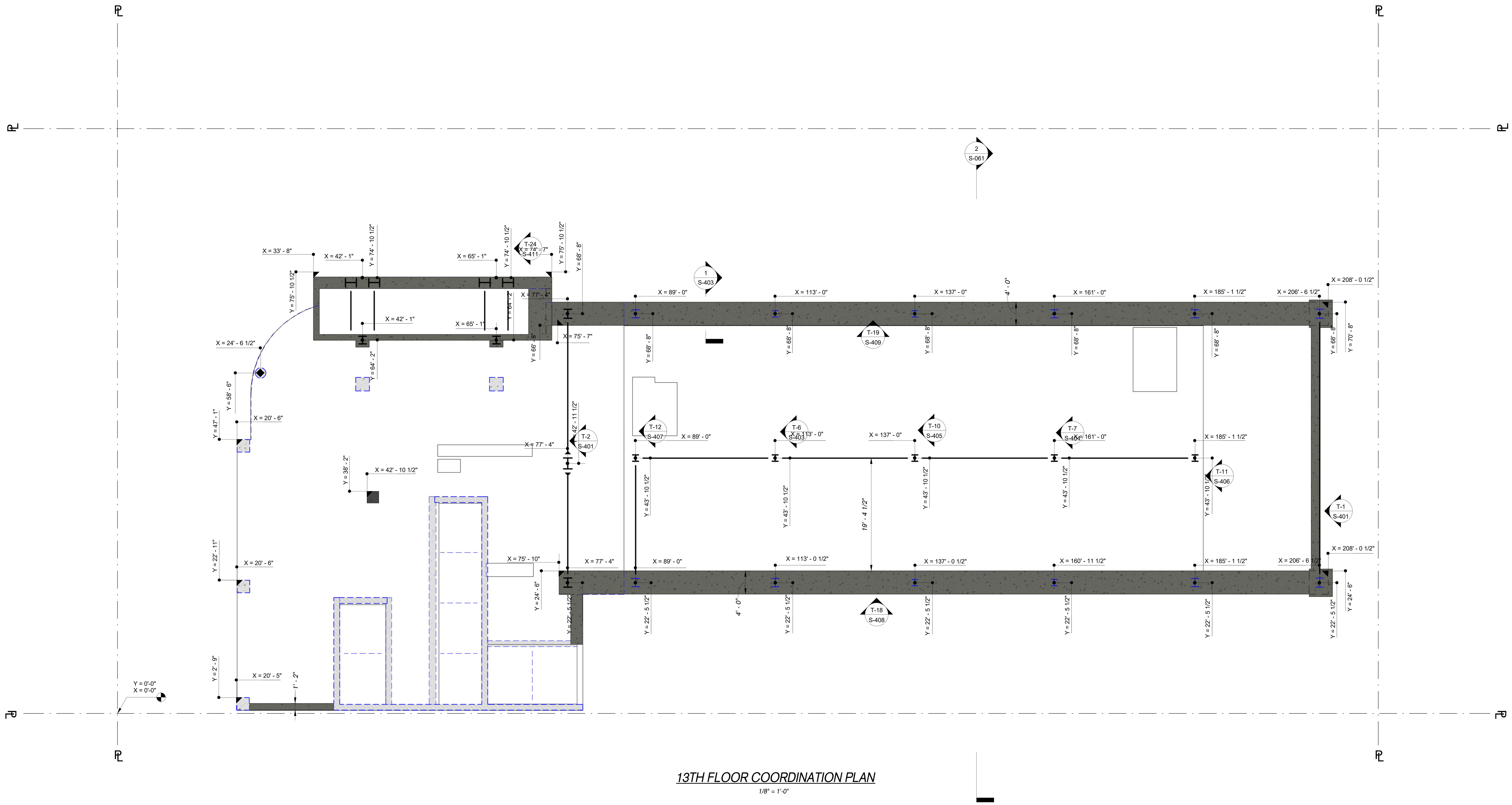

13TH FLOOR COORDINATION PLAN

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275 Seventh Avenue
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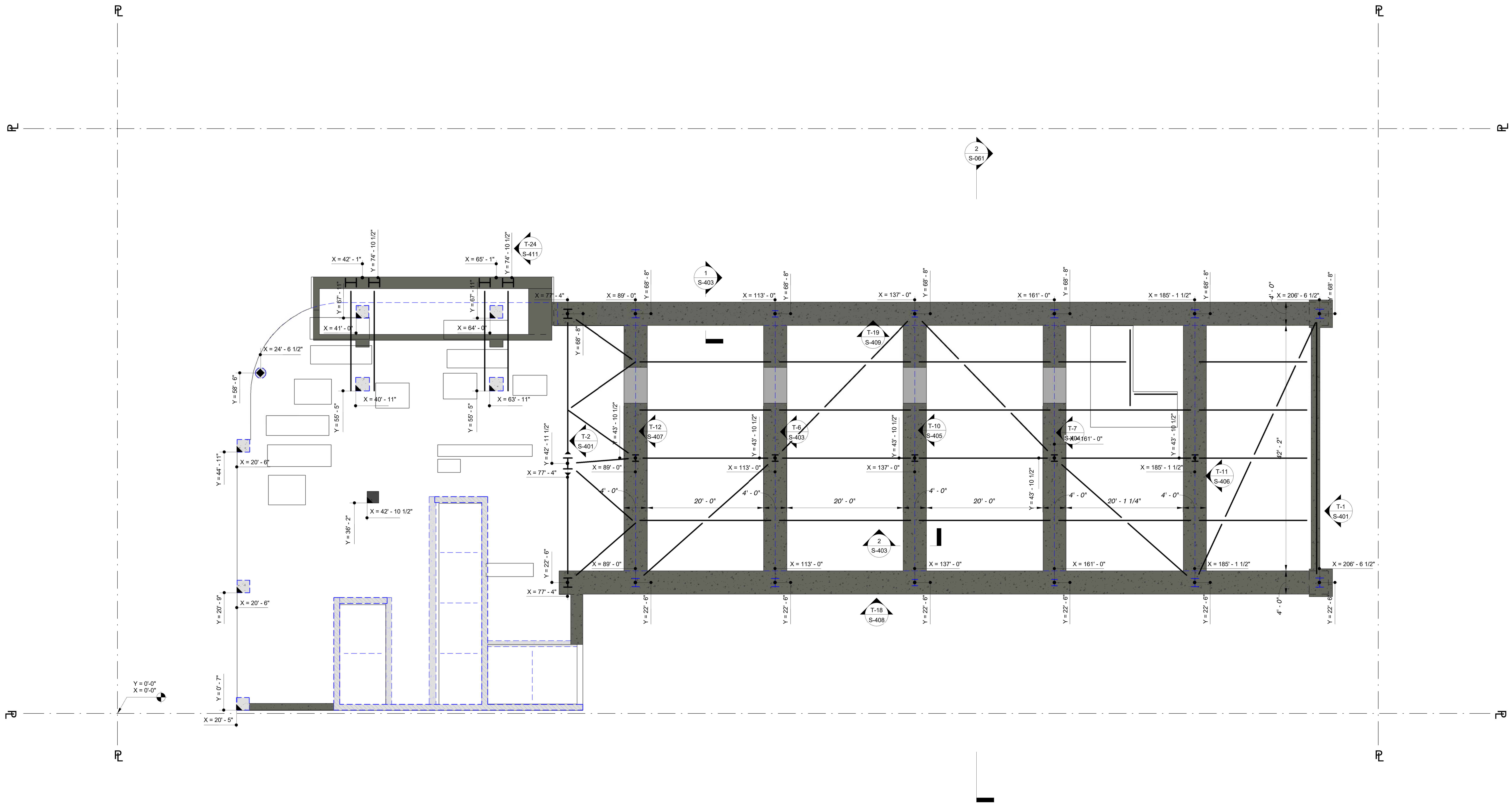

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275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
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11.09.2016	13	ISSUED FOR TA FILING
11.04.2016	12	ISSUED FOR DOB FILING
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06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

New York, NY 10036

Sheet Title:
14TH FLOOR COORDINATION PLAN

Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: 1/8" = 1'-0"

Signature & Seal:

Sheet Number:
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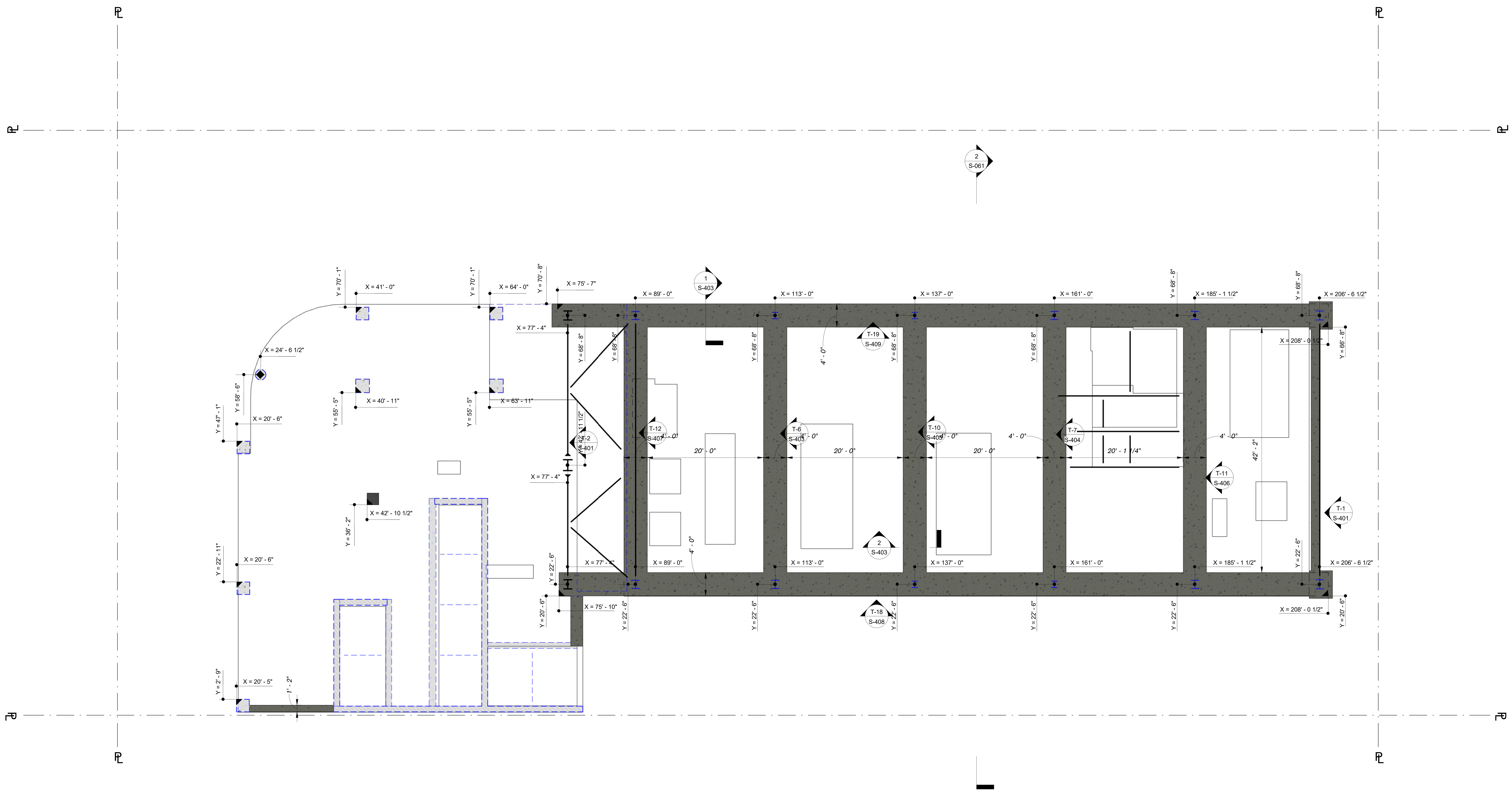

15TH FLOOR COORDINATION PLAN

1/8" = 1'-0"

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PBDW ARCHITECTS

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49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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52 Diamond Street, Brooklyn, NY 11222
718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

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South Norwalk, Connecticut 068541
203 299 0830 | theatreprojects.com

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22 West 19th Street, Floor 6
New York, NY 10011
212 691 3020 | fmsp.com

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114–A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

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242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

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11.04.2016	12	ISSUED FOR DOB FILING
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New York, NY 10036

Sheet Title:

15TH FLOOR COORDINATION PLAN

Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale: 1/8" = 1'-0"

Signature & Seal:

Sheet Number:

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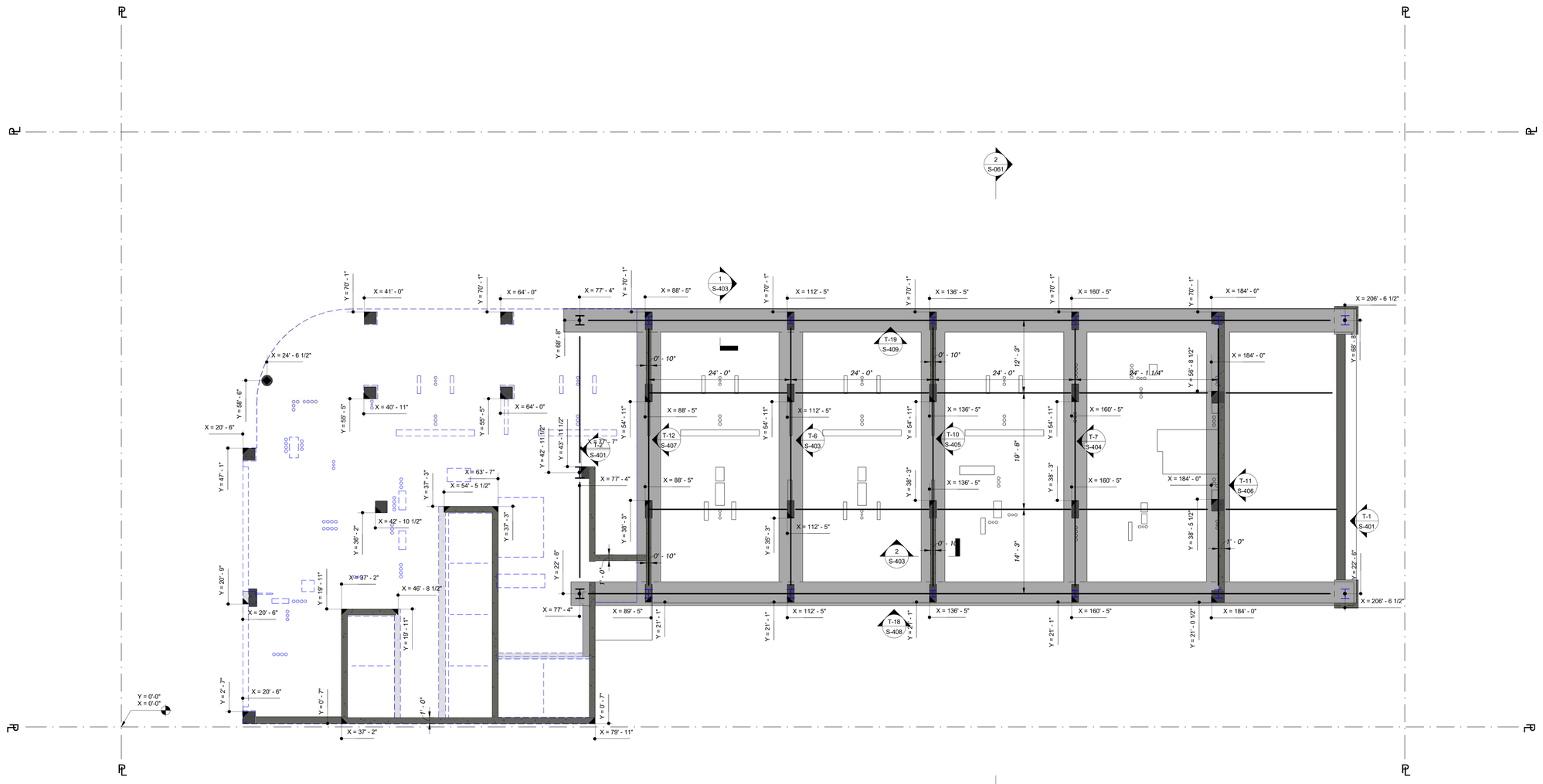

16TH FLOOR COORDINATION PLAN

1/8" = 1'-0"

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Roxane Tsirigotis, RA
Building Code Professional
APPROVED
Under Directive 14 of 1975
Date: 04/2016
NYC Development Hub

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
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14 Wall Street, 2nd Floor
New York City, New York 10005
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360 West 31st Street, 8th Floor, New York, NY 10001
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40 West 27th Street, 12th Floor
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04.08.2016	4	100% SCHEMATIC DESIGN
Date:	No.:	Description:

Project:
1568 Broadway

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Sheet Title:
16TH FLOOR COORDINATION PLAN

Project Number: 13649	Signature & Seal:
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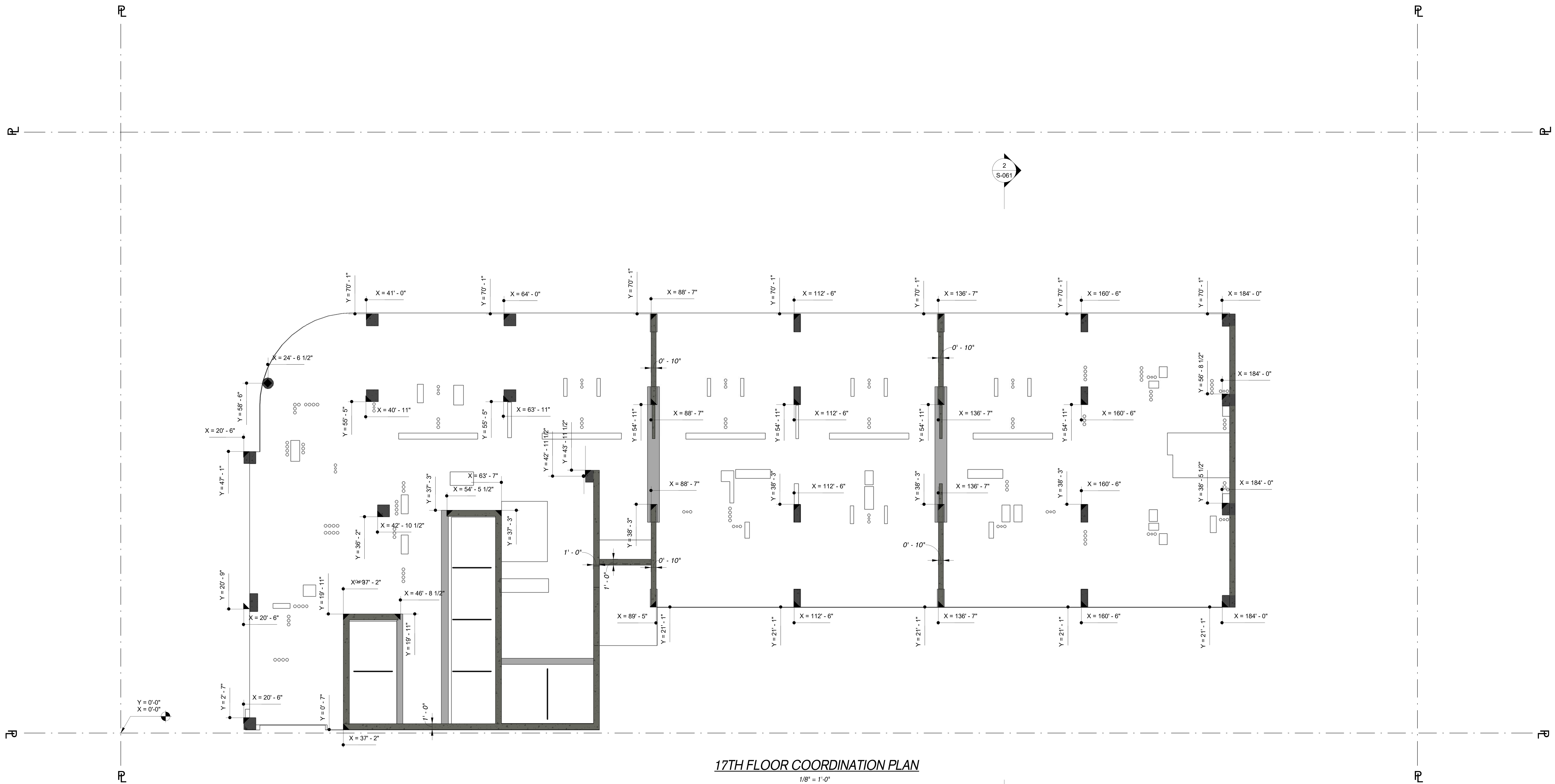

17TH FLOOR COORDINATION PLAN

1/8" = 1'-0"

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Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
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Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
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212 226 0808 | yabupushelberg.com

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21 Penn Plaza
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212.479.5400 | langan.com

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40 West 27th Street, 12th Floor
New York, NY 10001
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04.08.2016	4	100% SCHEMATIC DESIGN

Project:

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New York, NY 10036

Sheet Title:

17TH FLOOR COORDINATION PLAN

Project Number: 13649

Drawn By: Author

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Scale: 1/8" = 1'-0"

Signature & Seal:

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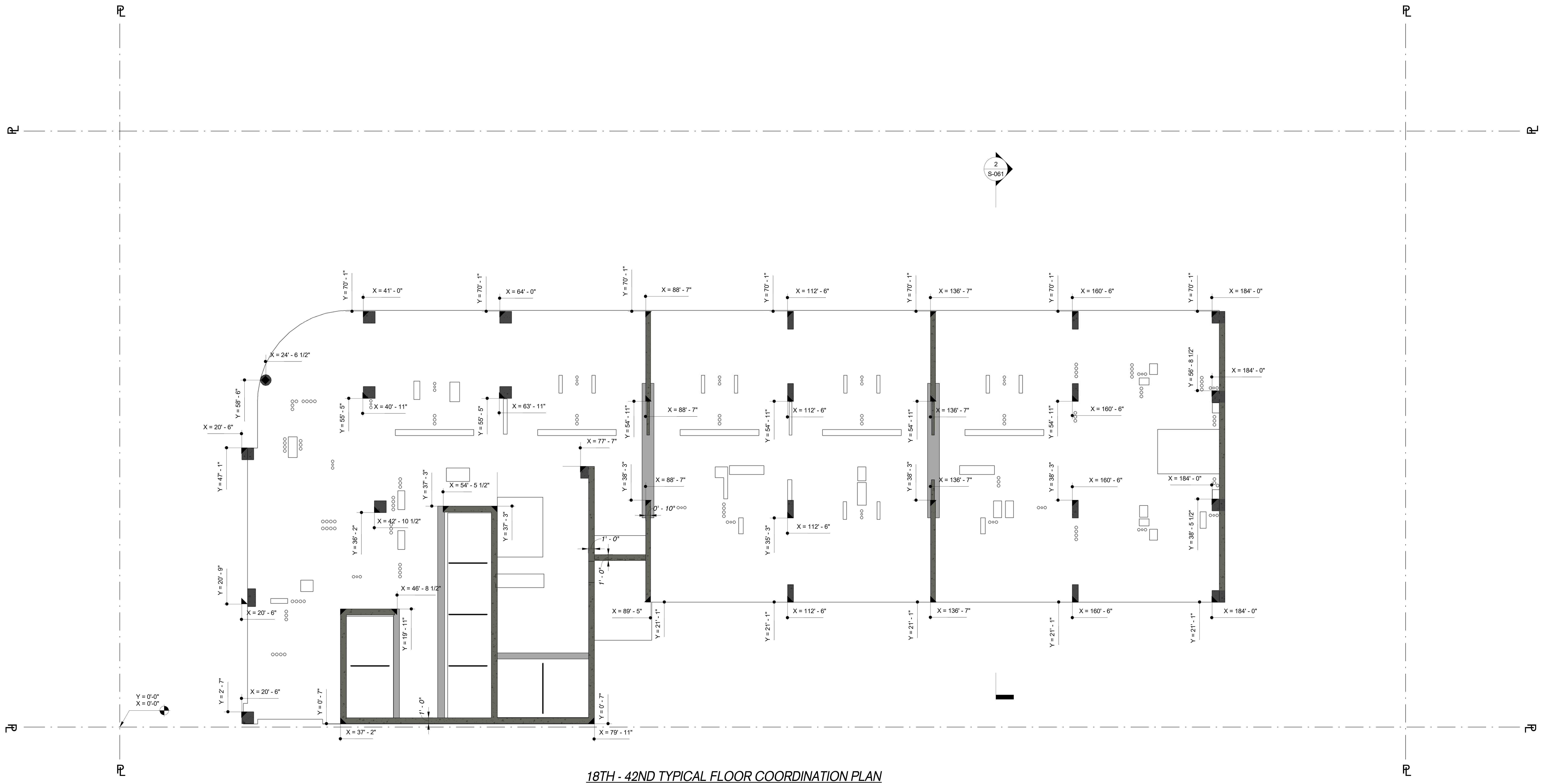

18TH - 42ND TYPICAL FLOOR COORDINATION PLAN

1/8" = 1'-0"

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Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

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14 Wall Street, 2nd Floor
New York City, New York 10005
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212.479.5400 | langan.com

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40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
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718.478.3021

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06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

New York, NY 10036

Sheet Title:

18TH TO 42ND FLOOR COORDINATION PLAN

Project Number: 13649

Drawn By: Author

Checked By: Checker

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Signature & Seal:

Sheet Number:

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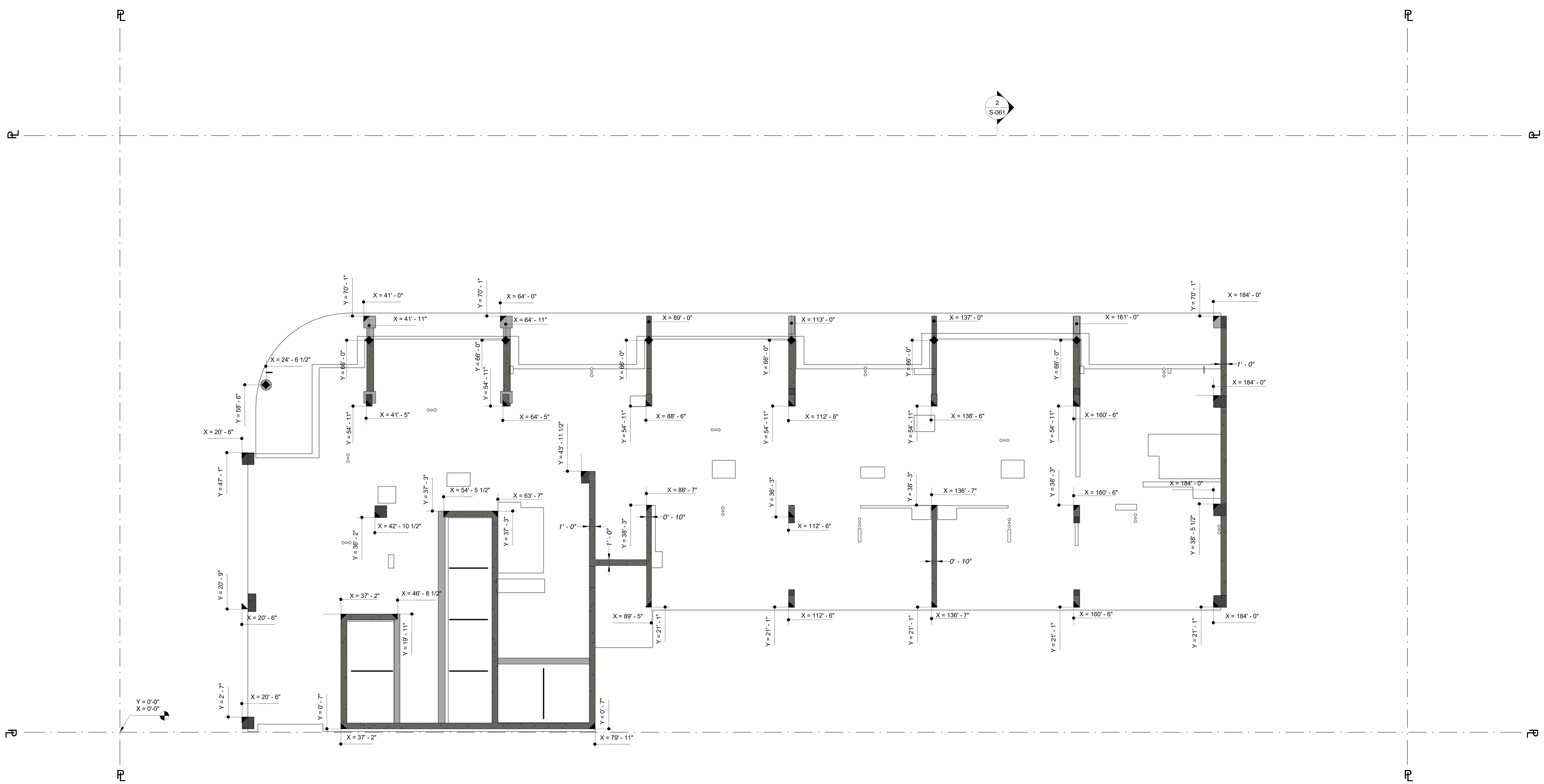

43RD FLOOR COORDINATION PLAN

1/8" = 1'-0"

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212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

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14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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718.383.9340 | design2147.com

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Norwalk, CT 06854
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212 226 0808 | yabupushelberg.com

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21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

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242 West 30th Street, Level 2
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04.08.2016	4	100% SCHEMATIC DESIGN

Project:

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Sheet Title:

43RD FLOOR COORDINATION PLAN

Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale: 1/8" = 1'-0"

Signature & Seal:

Sheet Number:

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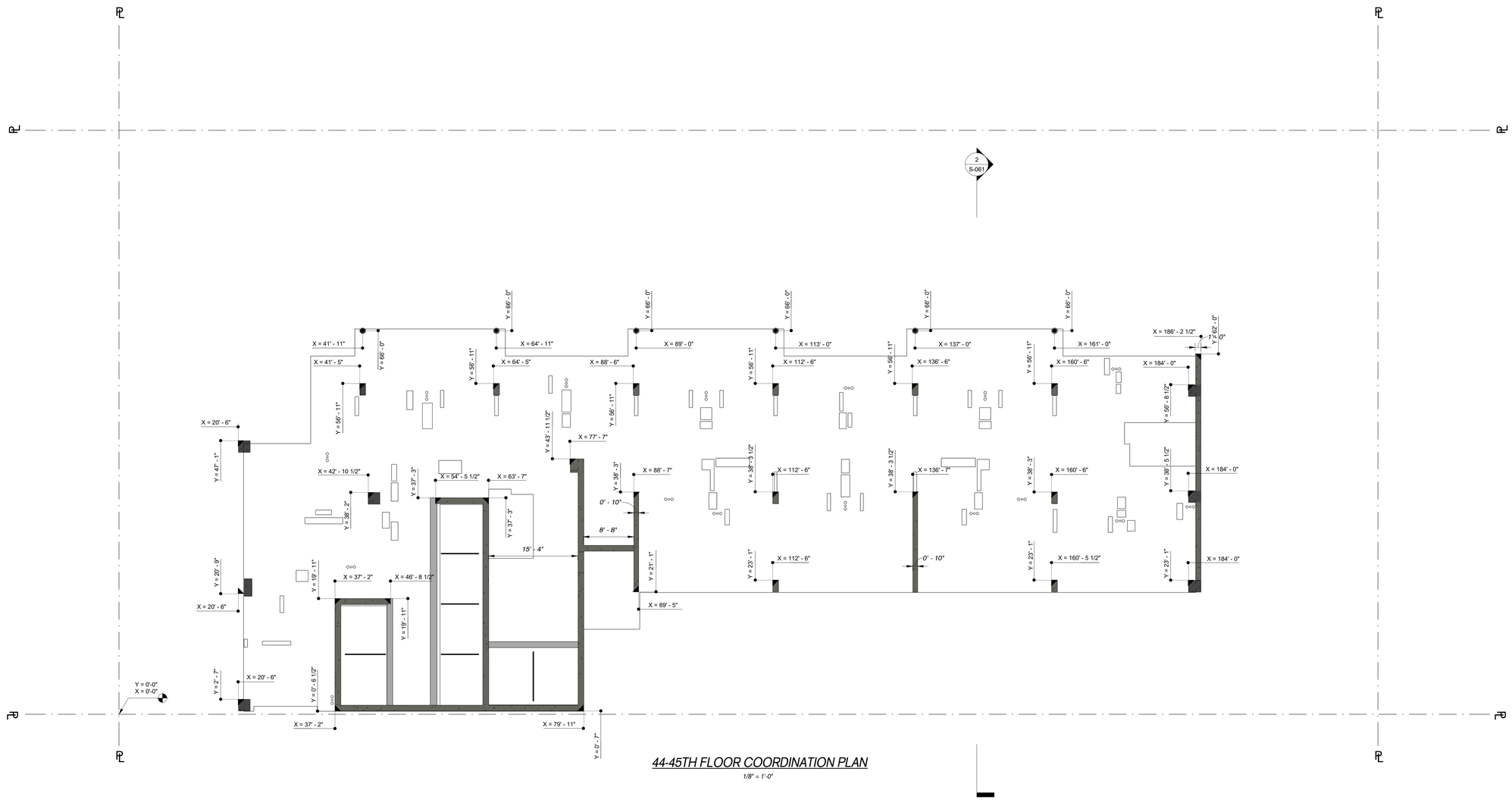

44-45TH FLOOR COORDINATION PLAN

1/8" = 1'-0"

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Roxane Tsirigotis, RA
APPROVED
New Jersey Division of QES
NYC Development Hub

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Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

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New York City, New York 10005
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Norwalk, CT 06854
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212 226 0803 | yabupushelberg.com

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212.479.5400 | langan.com

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40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

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Flushing, NY 11369
718.478.3021

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New York, NY 10001
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04.08.2016	4	100% SCHEMATIC DESIGN
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Project:

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Sheet Title:

44TH TO 45TH FLOOR COORDINATION PLAN

Project Number: 13649	Signature & Seal:
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Sheet Number:

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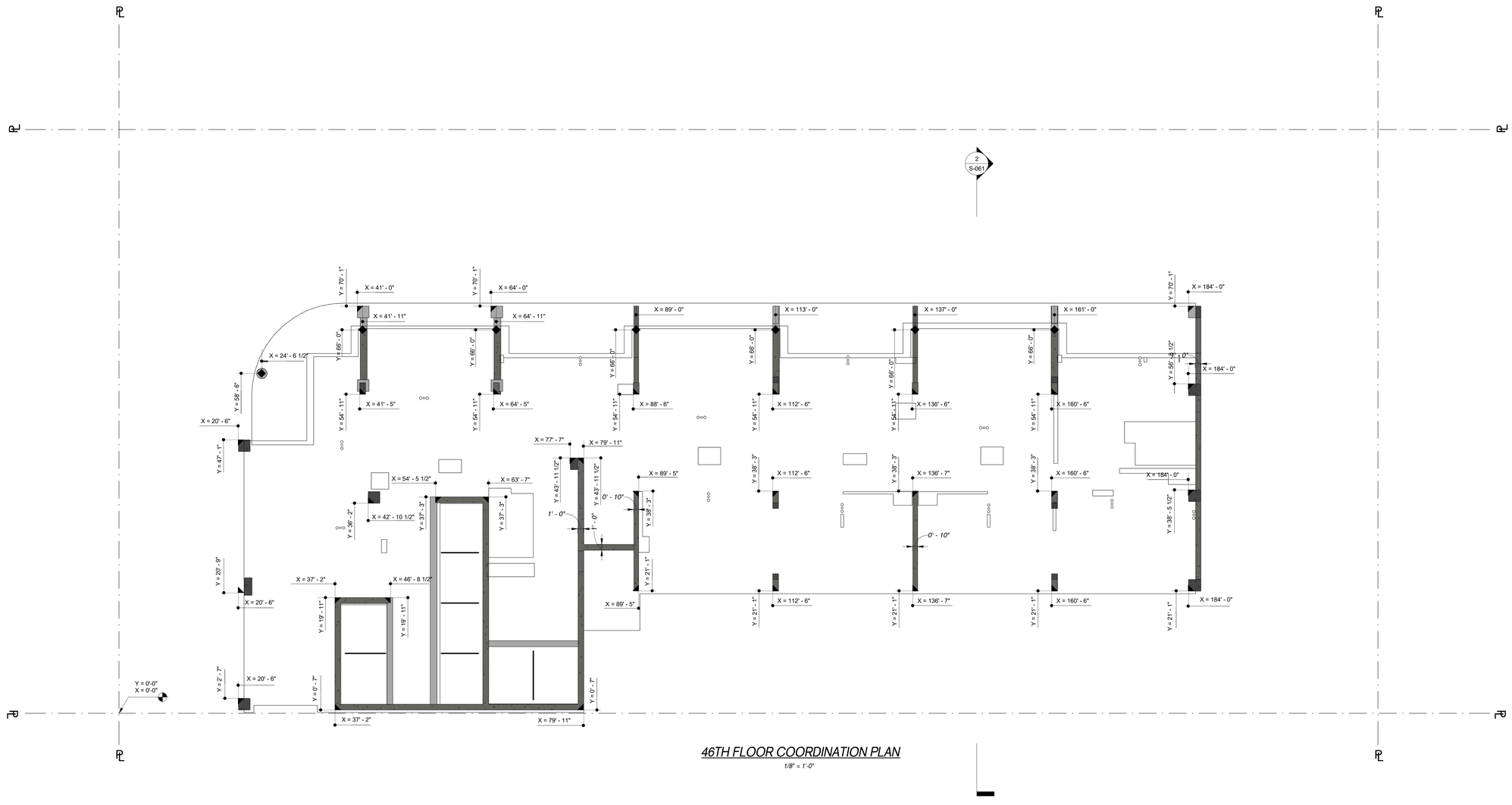

46TH FLOOR COORDINATION PLAN

1/8" = 1'-0"

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New Jersey
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49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
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Norwalk, CT 06854
203.838.4167 | jaffeholden.com

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TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

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21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

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Flushing, NY 11369
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10.07.2016	9	100% DESIGN DEVELOPMENT FOR PRICING
09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
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04.08.2016	4	100% SCHEMATIC DESIGN
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Sheet Title:

46TH FLOOR COORDINATION PLAN

Project Number: 13649	Signature & Seal:
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Checked By: Checker	
Scale: 1/8" = 1'-0"	

Sheet Number:

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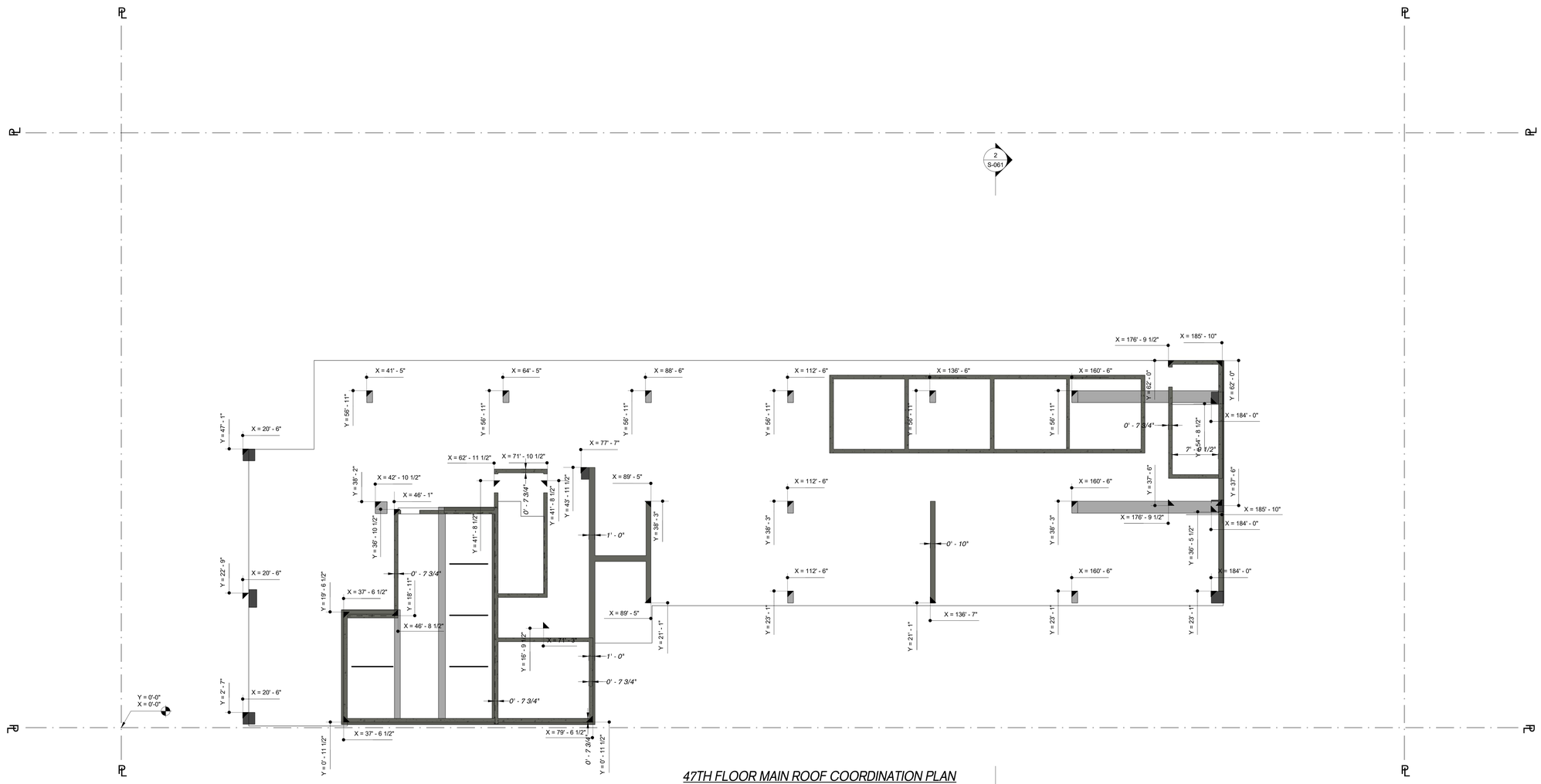

47TH FLOOR MAIN ROOF COORDINATION PLAN

1/8" = 1'-0"

PLANS ARE FOR COORDINATES ONLY, FOR EXTENT OF EXISTING AND NEW SEE FRAMING PLANS

Roxane Tsirigotis, RA
APPROVED
Date: 04/25/2018
NYC Development Hub

PBDW ARCHITECTS

Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

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14 Wall Street, 2nd Floor
New York City, New York 10005
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203 299 0830 | theatreprojects.com

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212 691 3020 | fmsp.com

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203.838.4167 | jaffeholden.com

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TORONTO, ON M4M 2M3
212 226 0805 | yabupushelberg.com

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360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

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40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
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New York, NY 10001
212.209.1536

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06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN
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MAIN ROOF COORDINATION PLAN

Project Number: 13649	Signature & Seal:
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Scale: 1/8" = 1'-0"	

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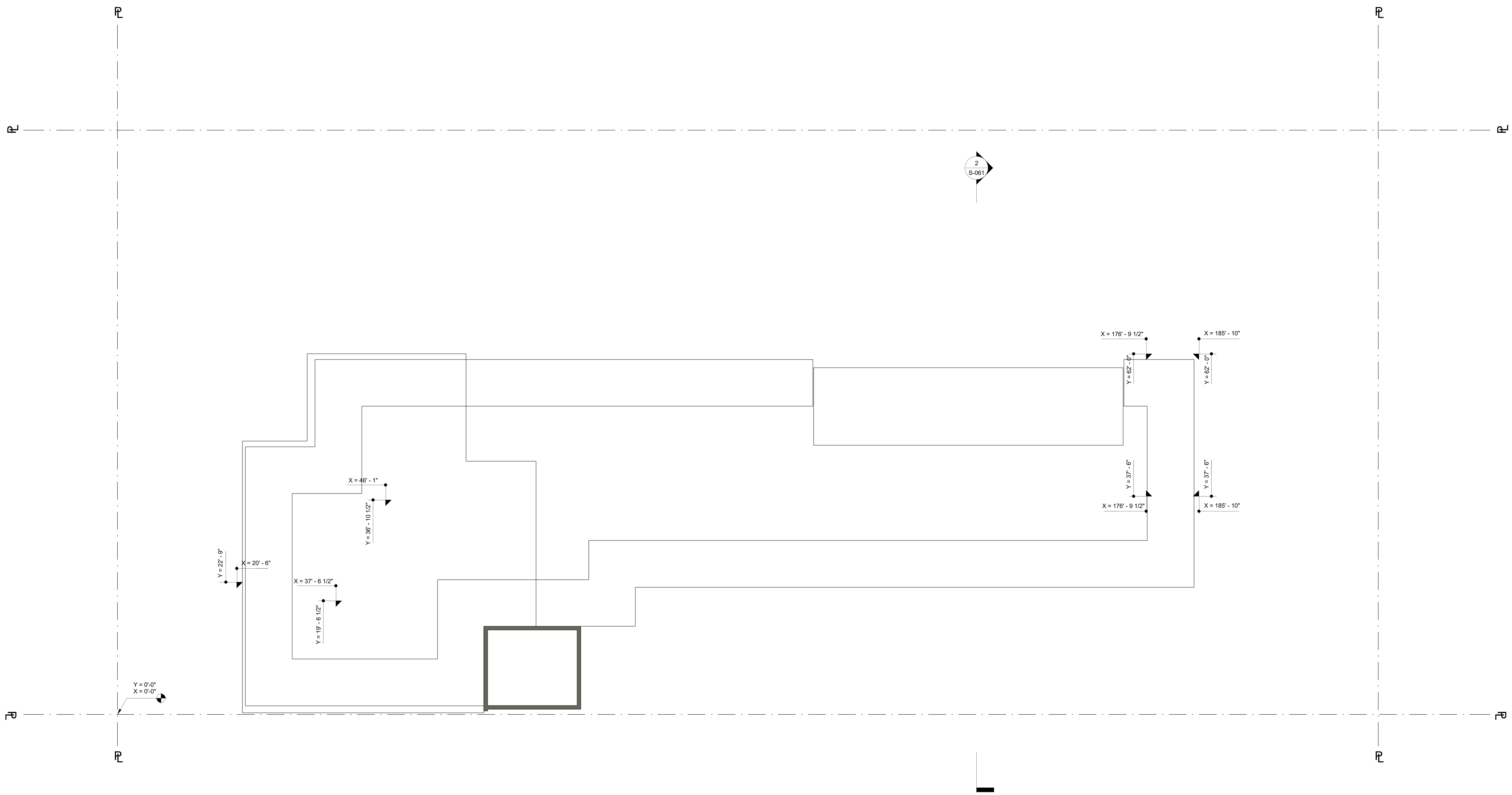

48TH FLOOR T.O. SCREENING COORDINATION PLAN

1/8" = 1'-0"

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212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

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40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
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718.478.3021

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06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

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New York, NY 10036

Sheet Title:

48TH FLOOR T.O. SCREENING COORDINATION PLAN

Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale: 1/8" = 1'-0"

Signature & Seal:

Sheet Number:

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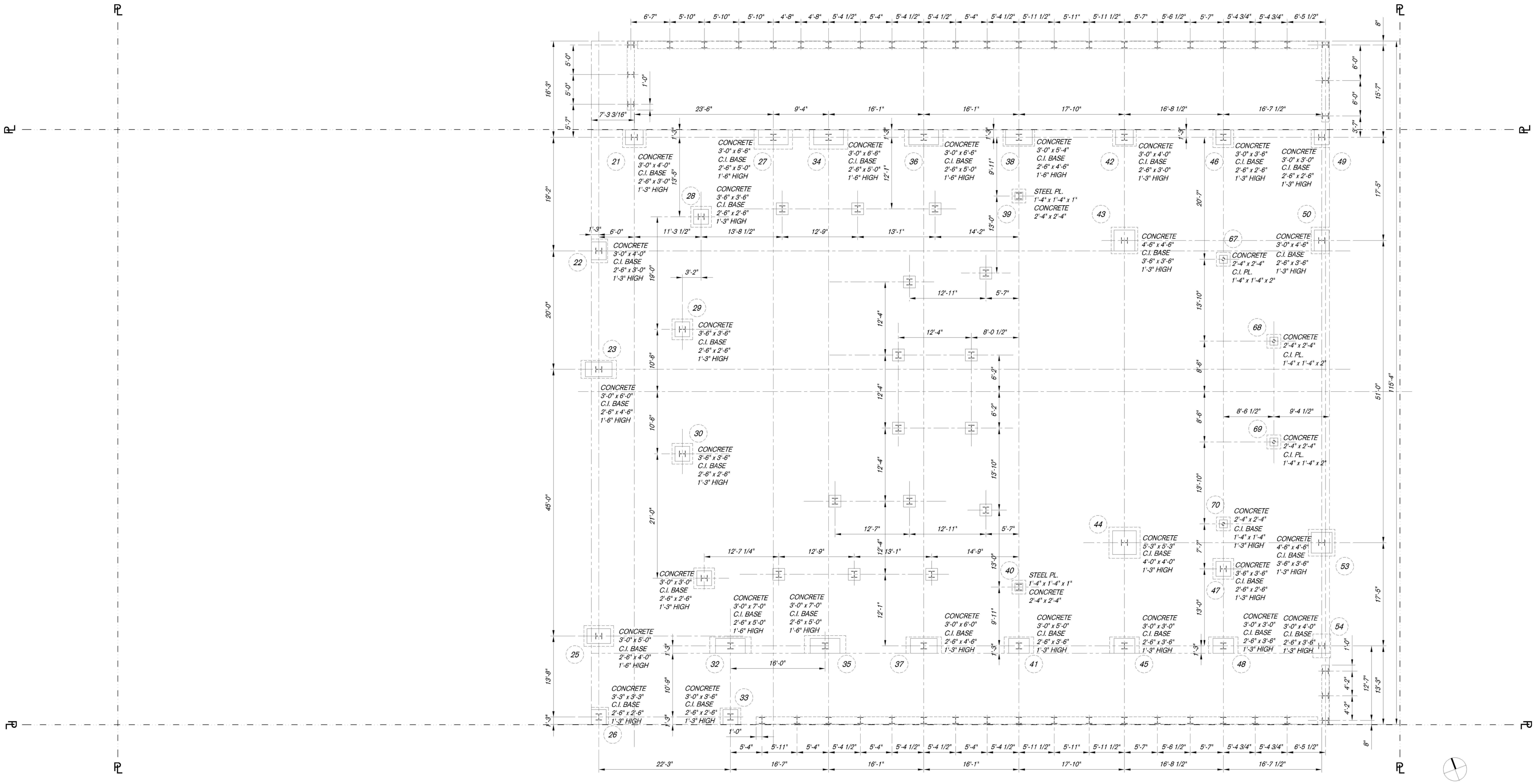

CONCEPTUAL DEMOLITION SCOPE - EXISTING FOUNDATION PLAN

1/8" = 1'-0"

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Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

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Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
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New York City, New York 10005
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New York, NY 10001
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06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

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New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE-EXISTING FOUNDATION PLAN

Roxane Tsirigotis, RA
APPROVED Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: 1/8" = 1'-0"
Signature & Seal: STATE OF NEW YORK · RAWSIE JIJINA · 060340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number: S-900.00

NYC DOB Number:
Sheet: of

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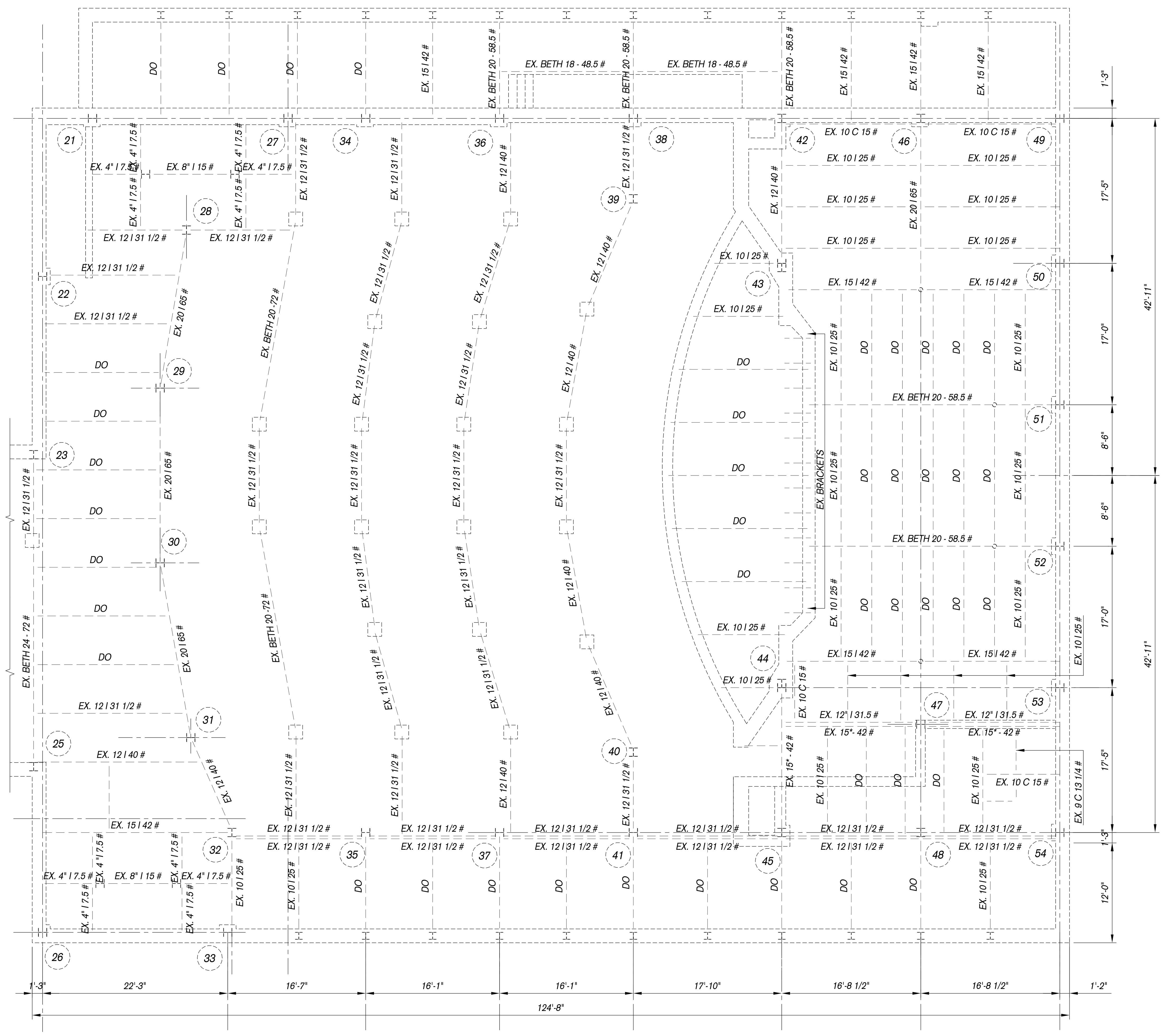

EXISTING FIRST FLOOR FRAMING PLAN

1/8" = 1'-0"

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Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
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14 Wall Street, 2nd Floor
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New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

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New York, NY 10001
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04.08.2016	4	100% SCHEMATIC DESIGN

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1568 Broadway

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Sheet Title:

CONCEPTUAL DEMOLITION SCOPE-EXISTING THEATER FIRST FLOOR FRAMING PLAN

Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale: 1/8" = 1'-0"

Signature & Seal:

Sheet Number:

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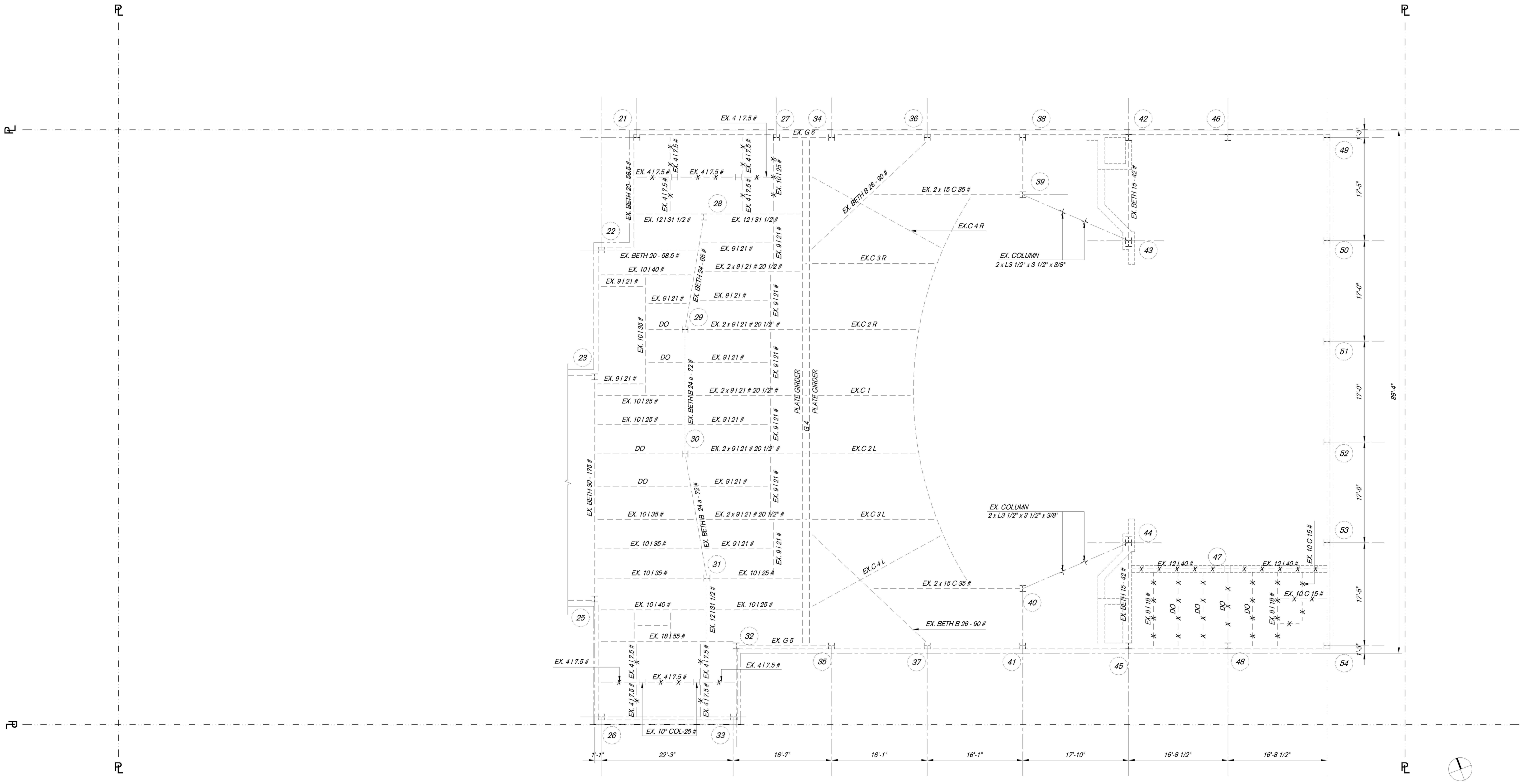

CONCEPTUAL DEMOLITION SCOPE - EXISTING THEATER SECOND FLOOR FRAMING PLAN

1/8" = 1'-0"

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New York, NY 10001
212.938.1260 | manciniduffy.com

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469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

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New York, NY 10121
212.615.3600 | cosentini.com

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14 Wall Street, 2nd Floor
New York City, New York 10005
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New York, NY 10001
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3233 111th Street
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Sheet Title:

CONCEPTUAL DEMOLITION SCOPE-EXISTING THEATER SECOND FLOOR FRAMING PLAN

Project Number: 13649

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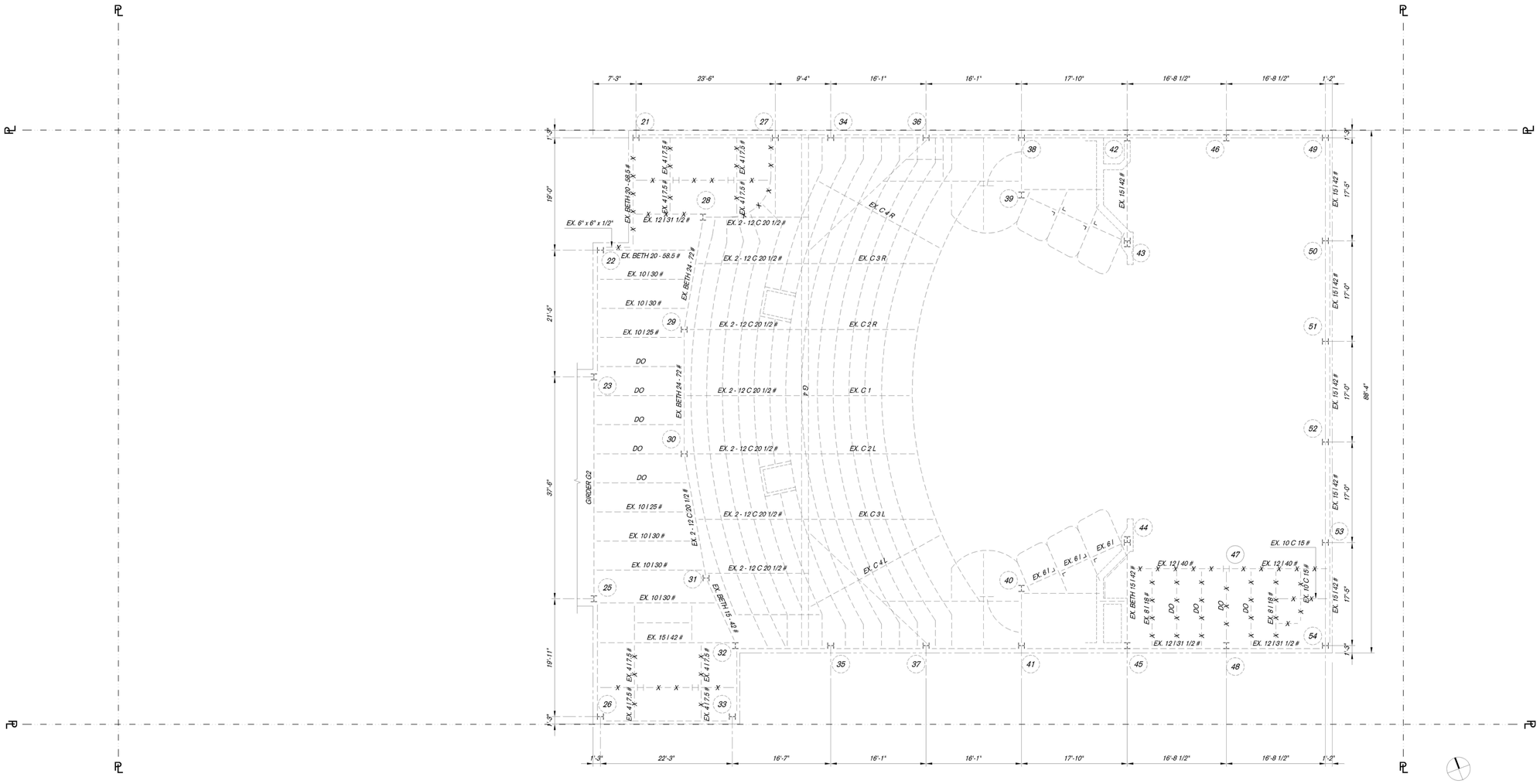

CONCEPTUAL DEMOLITION SCOPE - EXISTING THEATER THIRD FLOOR AND BALCONY FRAMING PLAN

1/8" = 1'-0"

Roxane Tsirigotis, RA
APPROVED
Date: 04/25/2016
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275 Seventh Avenue
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212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

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Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
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New York, NY 10001
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CONCEPTUAL DEMOLITION SCOPE-EXISTING THEATER THIRD FLOOR AND BALCONY FRAMING PLAN

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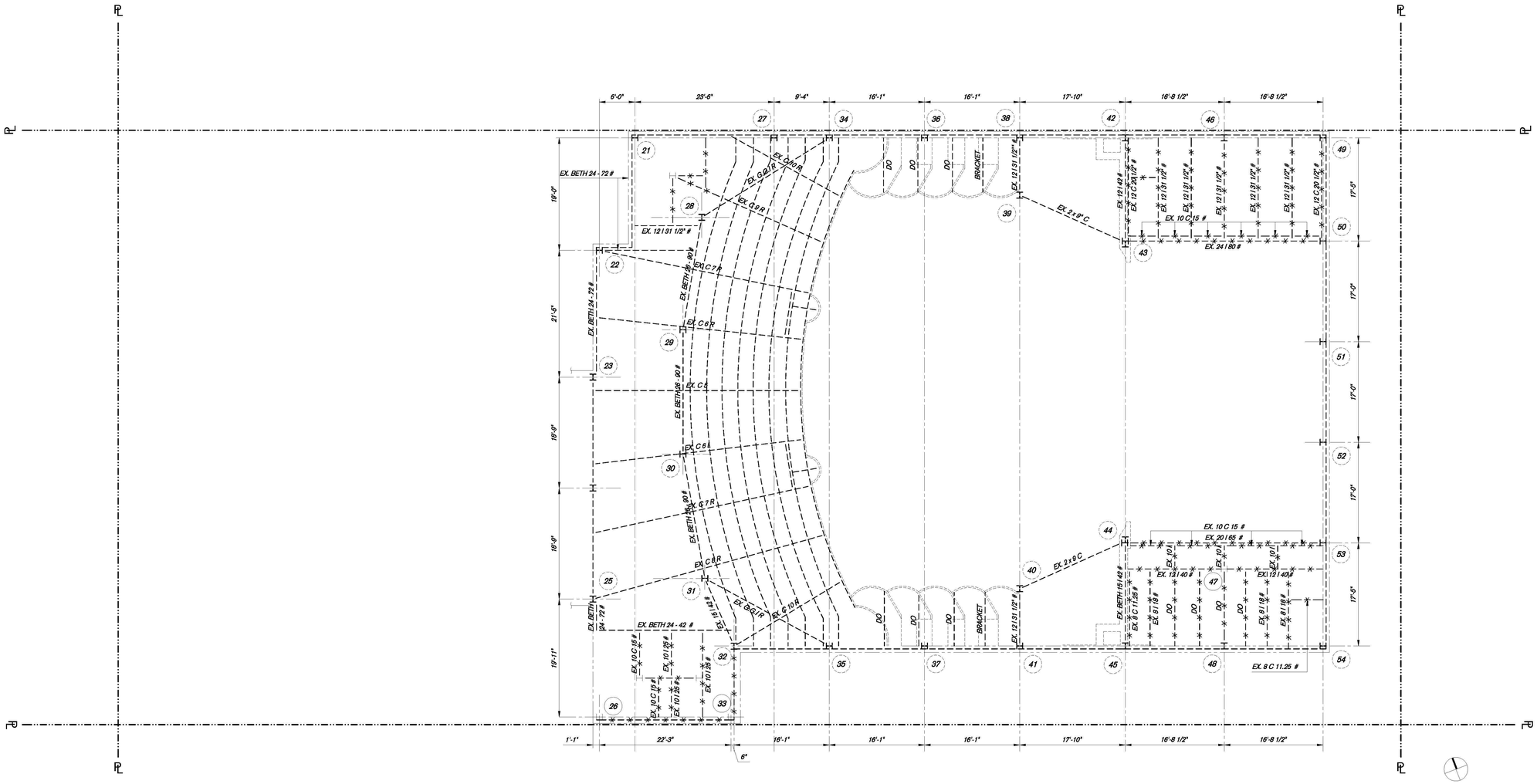

CONCEPTUAL DEMOLITION SCOPE - EXISTING THEATER FOURTH FLOOR FRMAING PLAN

1/8" = 1'-0"

Roxane Tsirigotis, RA
APPROVED
Under Directive 14 of 1975
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Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

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40 West 27th Street, 12th Floor
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212.532.7775 | jbconservation.com

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07.15.2016	7	50% DESIGN DEVELOPMENT
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New York, NY 10036

Sheet Title:

CONCEPTUAL DEMOLITION SCOPE-EXISTING THEATER FOURTH FLOOR FRAMING PLAN

Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale: 1/8" = 1'-0"

Signature & Seal:

STATE OF NEW YORK · ROXANNE TSIRIGOTIS · 040340 · LICENSED PROFESSIONAL ENGINEER

Sheet Number:

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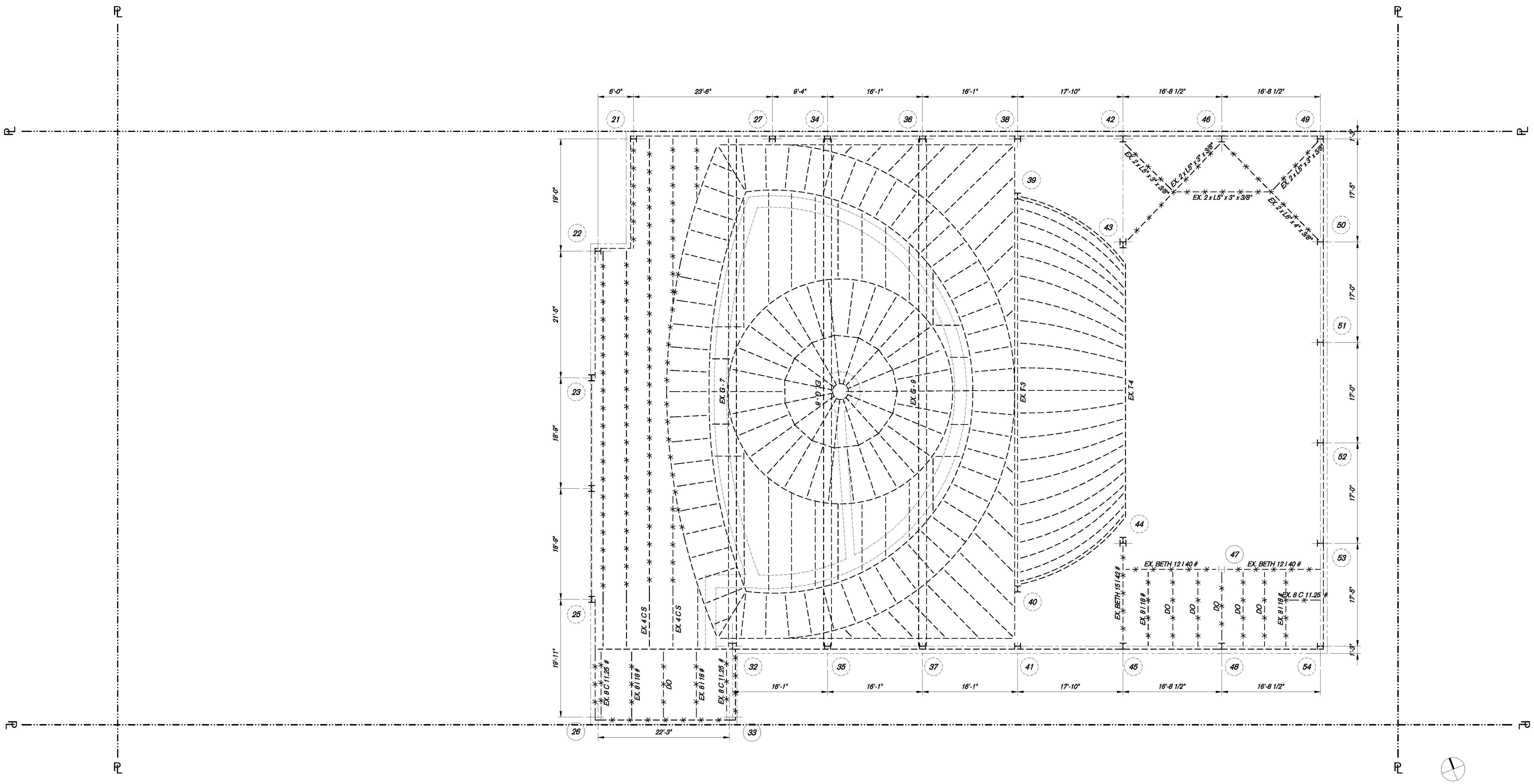

CONCEPTUAL DEMOLITION SCOPE - EXISTING THEATER FIFTH FLOOR FRAMING PLAN

1/8" = 1'-0"

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212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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718.383.9340 | design2147.com

Iros Elevator, LLC | Elevator Consultant
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973.776.4404 | iroselevator.com

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47 Water Street
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Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
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04.08.2016	4	100% SCHEMATIC DESIGN

Project:

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New York, NY 10036

Sheet Title:

CONCEPTUAL DEMOLITION SCOPE-EXISTING THEATER FIFTH FLOOR FRAMING PLAN

Roxane Tsirigotis, RA
APPROVED
Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale: 1/8" = 1'-0"

Signature & Seal:

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CAWSIE JIJINA
060340
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Sheet Number:

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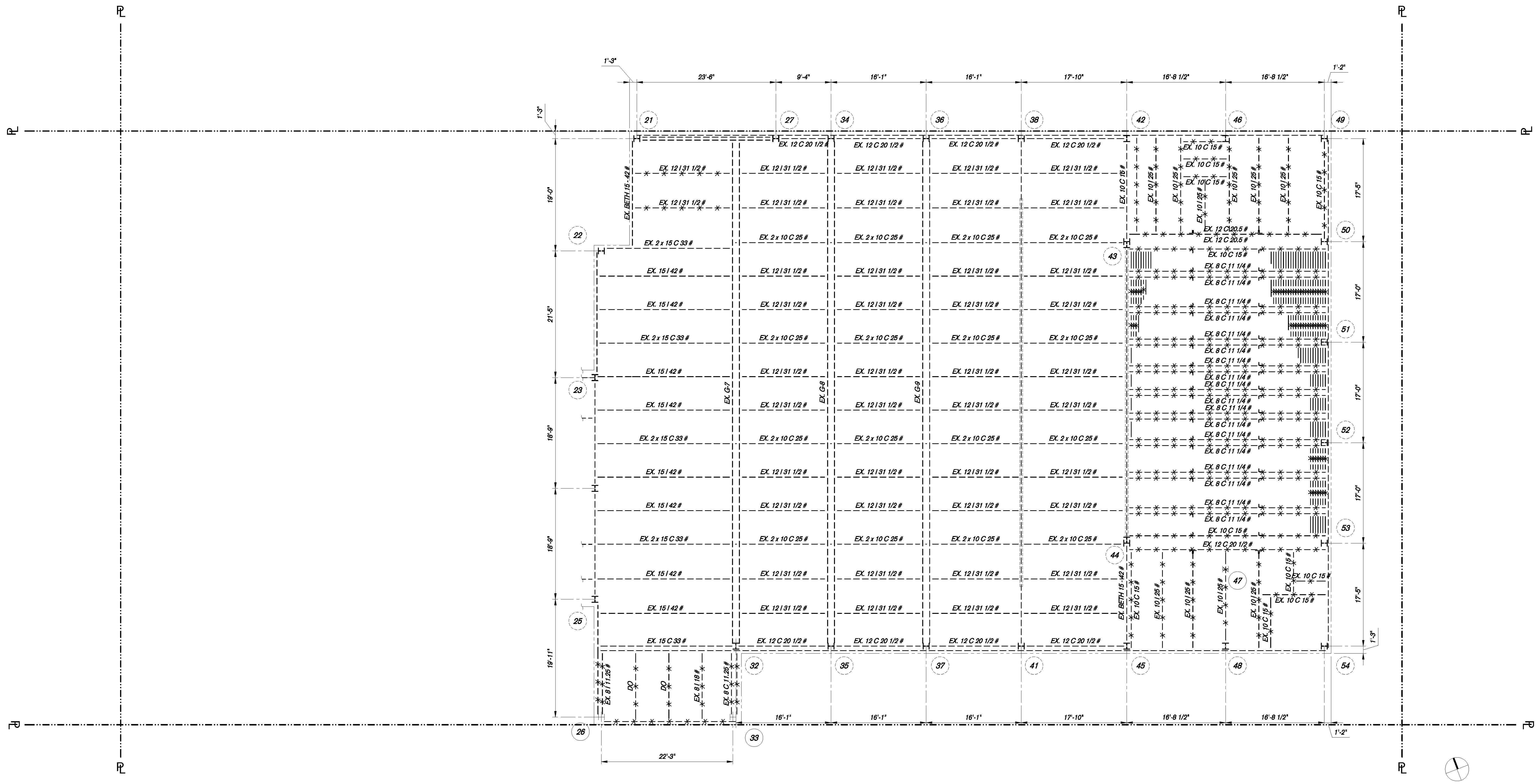

CONCEPTUAL DEMOLITION SCOPE - EXISTING THEATER SIXTH FLOOR FRAMING PLAN

1/8" = 1'-0"

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275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
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14 Wall Street, 2nd Floor
New York City, New York 10005
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718.383.9340 | design2147.com

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New York, NY 10001
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Urban Foundation Engineering Foundation Engineer
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718.478.3021

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09.02.2016	8	100% DESIGN DEVELOPMENT
07.15.2016	7	50% DESIGN DEVELOPMENT
06.24.2016	6	TA FILING
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Project:

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Sheet Title:

CONCEPTUAL DEMOLITION SCOPE-EXISTING THEATER SIXTH FLOOR FRAMING PLAN

Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale: 1/8" = 1'-0"

Signature & Seal:

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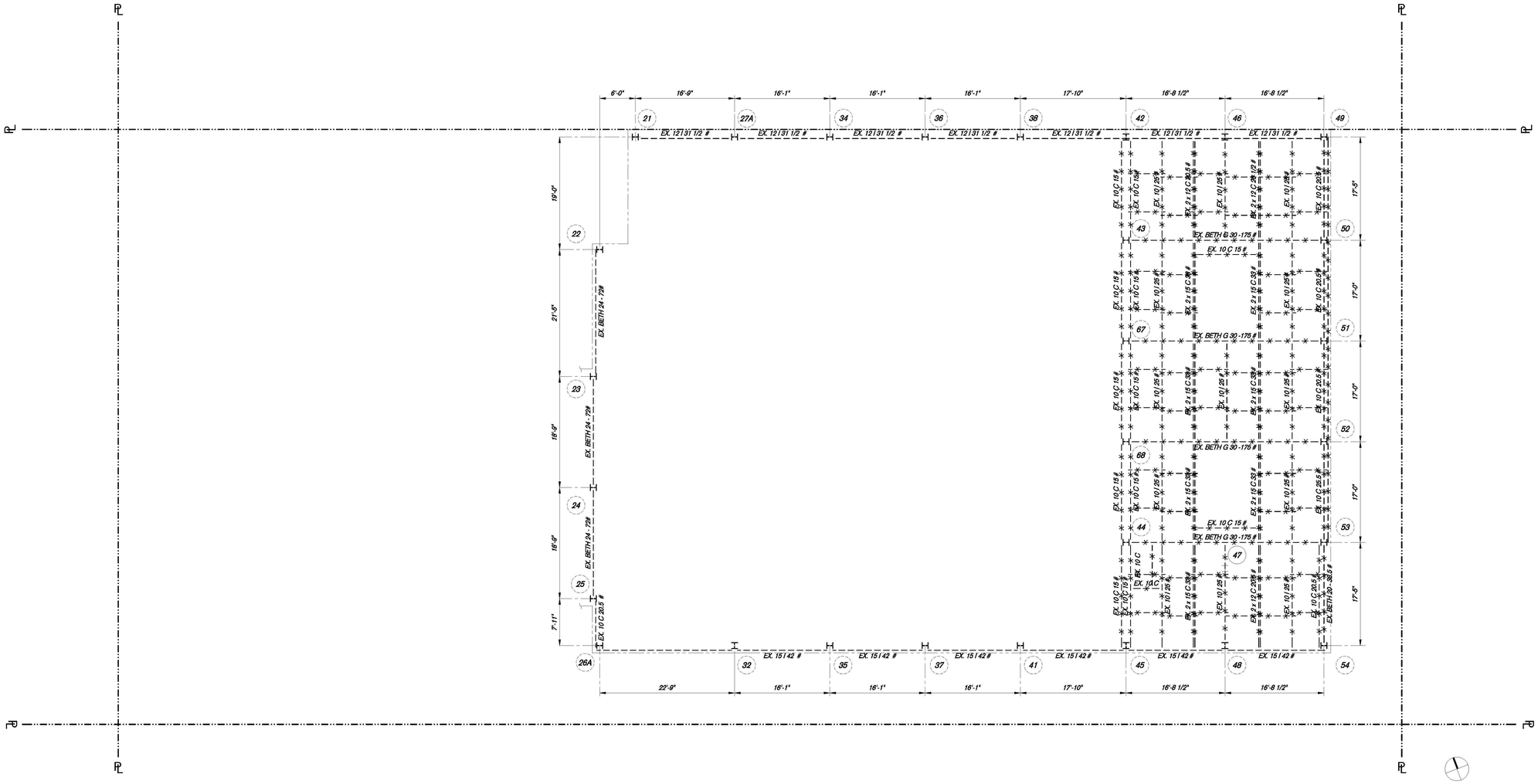

CONCEPTUAL DEMOLITION SCOPE - EXISTING THEATER SEVENTH FLOOR FRAMING PLAN

1/8" = 1'-0"

Roxane Tsirigotis, RA
APPROVED
Under Directive 1 of 1975
New Jersey
NYC Development Hub

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Platt Byard Dovell White Architects LLP
49 West 37th Street, New York, NY 10018
212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

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New York, NY 10001
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06.24.2016	6	TA FILING
04.08.2016	4	100% SCHEMATIC DESIGN

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New York, NY 10036

Sheet Title:
CONCEPTUAL DEMOLITION SCOPE-EXISTING THEATER SEVENTH FLOOR FRAMING PLAN

Project Number: 13649
Drawn By: Author
Checked By: Checker
Scale: 1/8" = 1'-0"

Signature & Seal:
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275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
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New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
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718.383.9340 | design2147.com

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South Norwalk, Connecticut 068541
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203.838.4167 | jaffeholden.com

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New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
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718.478.3021

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New York, NY 10001
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10.07.2016	10	ISSUED FOR FILING
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04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

New York, NY 10036

Sheet Title:

CONCEPTUAL DEMOLITION SCOPE-EXISTING THEATER EIGHTH FLOOR TO ROOF FRAMING PLAN

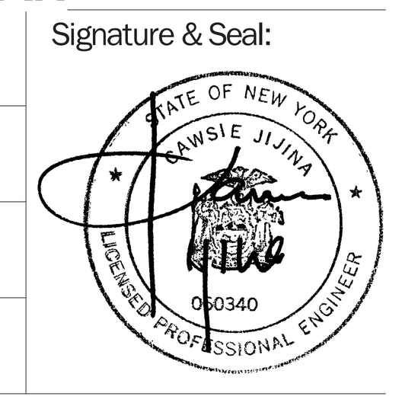
Project Number: 13649

Drawn By: Author

Checked By: Checker

Scale:

Signature & Seal:



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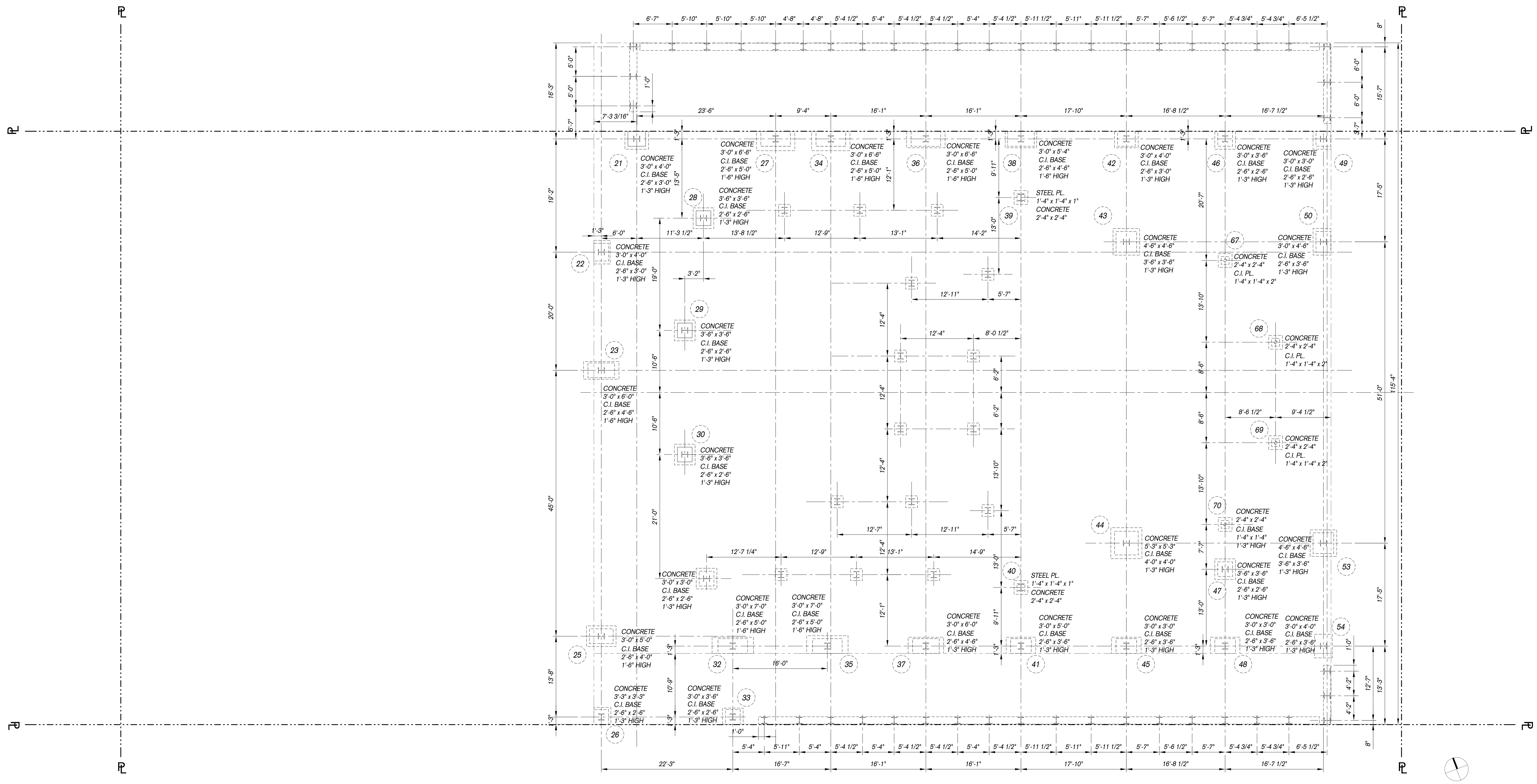

EXISTING FOUNDATION PLAN

1/8" = 1'-0"

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Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

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469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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212 226 0808 | yabupushelberg.com

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New York, NY 10001
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Sheet Title:
EXISTING FOUNDATION PLAN

Project Number: 13649

Drawn By: Author

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Scale: 1/8" = 1'-0"

Signature & Seal:

Sheet Number: **S-910.00**

NYC DOB Number:

Sheet: of

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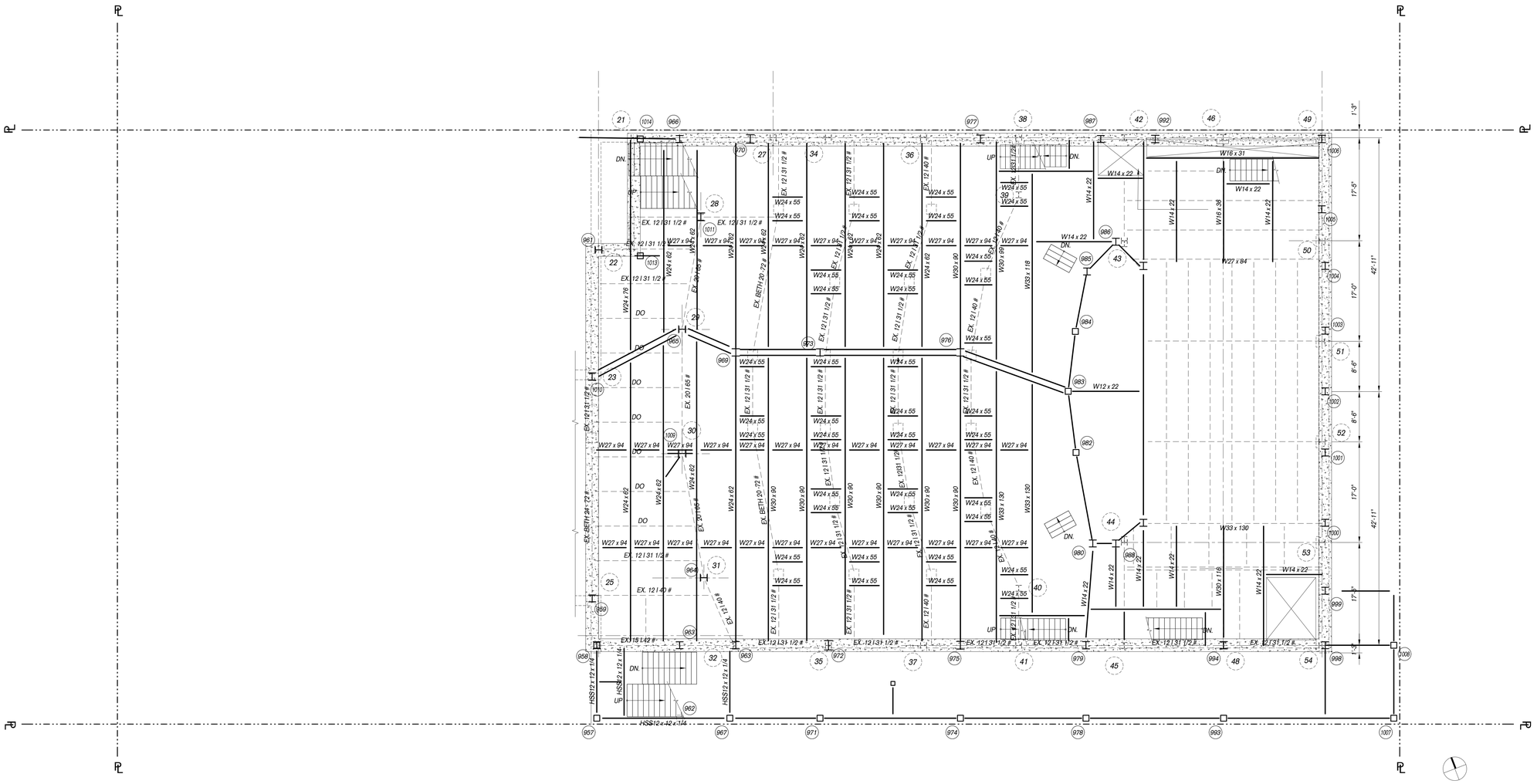

THEATER THIRD FLOOR FRAMING PLAN

1/8" = 1'-0"

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Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
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New York, NY 10121
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New York, NY 10001
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THEATER THIRD FLOOR FRAMING PLAN

Roxane Tsirigotis, RA
R. Tsirigotis
APPROVED
Under Directive 14 of 1975
Date: 04/05/2017
NYC Development Hub

Project Number: 13649	Signature & Seal:
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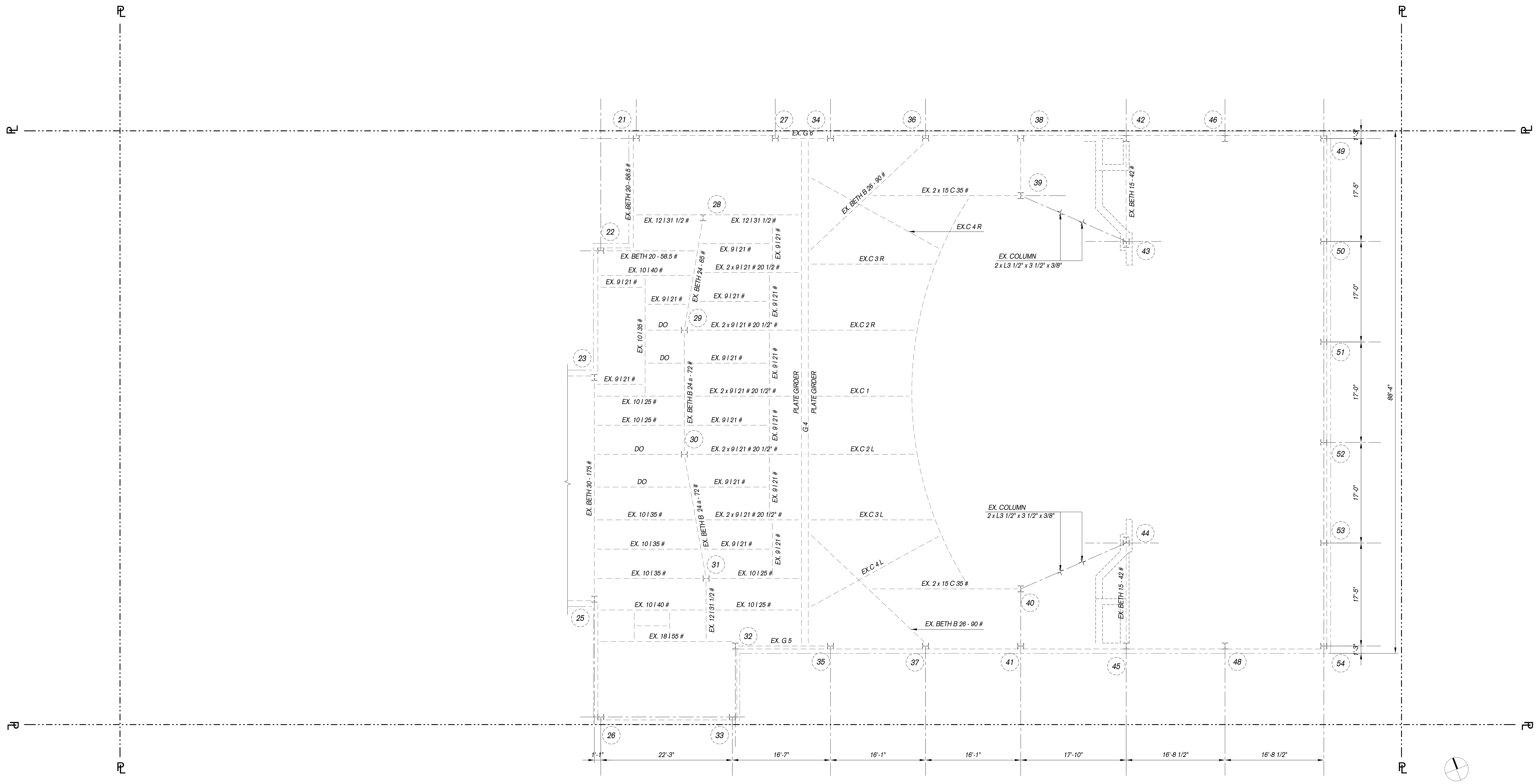

EXISTING THEATER SECOND FLOOR FRAMING PLAN

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Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
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New York City, New York 10005
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212.479.5400 | langan.com

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40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
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EXISTING THEATER SECOND FLOOR FRAMING PLAN

Roxane Tsirigotis, RA
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Under Directive 2 of 1975
Date: 04/25/2018
NYC Development Hub

Project Number: 13649

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Scale: 1/8" = 1'-0"

Signature & Seal:
STATE OF NEW YORK
CAWSIE JIJINA
060340
LICENSED PROFESSIONAL ENGINEER

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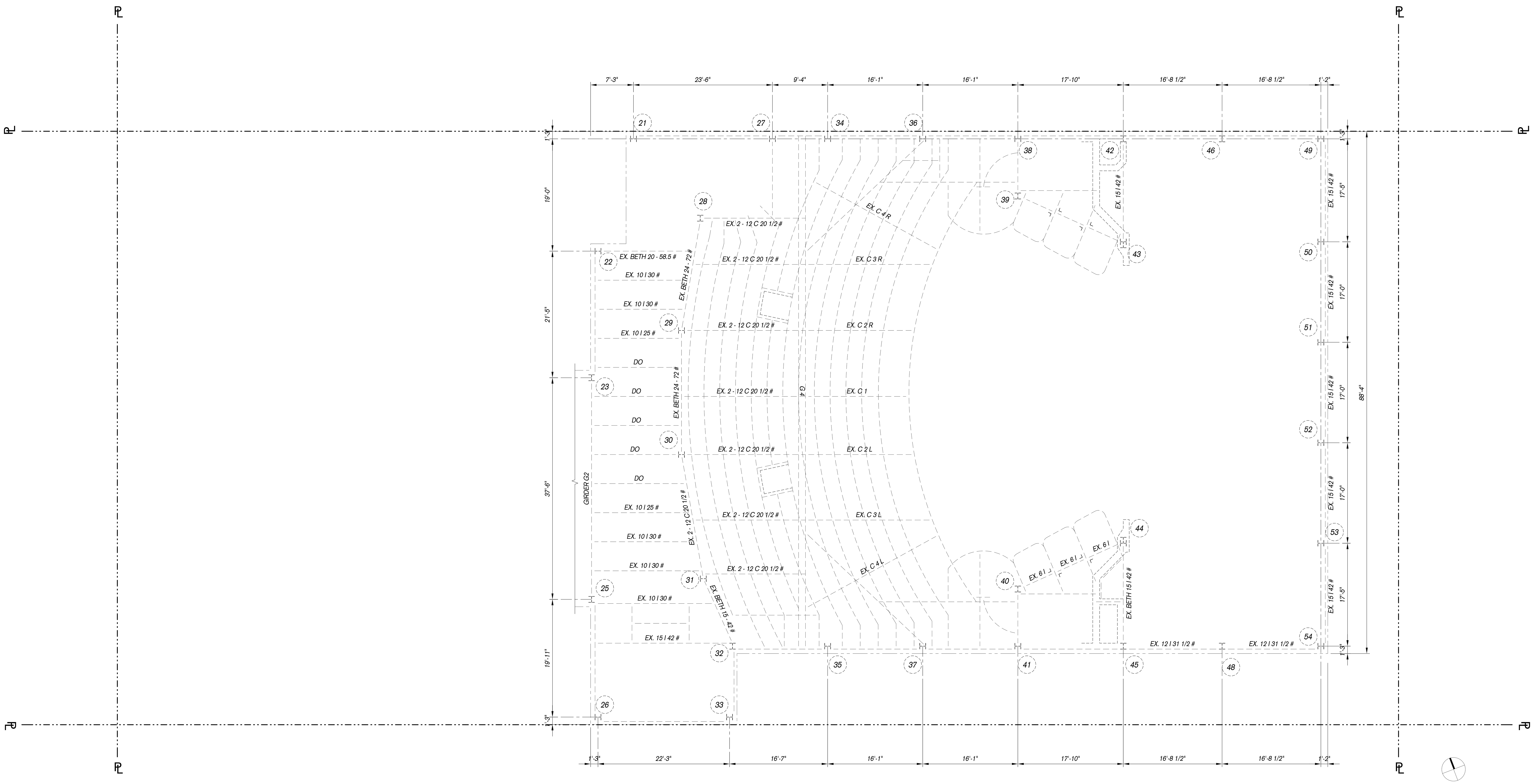

EXISTING THEATER THIRD FLOOR AND BALCONY FRAMING PLAN

1/8" = 1'-0"

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212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

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14 Wall Street, 2nd Floor
New York City, New York 10005
212.964.4040 | adamson-associates.com

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718.383.9340 | design2147.com

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203.838.4167 | jaffeholden.com

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212 226 0808 | yabupushelberg.com

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21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

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40 West 27th Street, 12th Floor
New York, NY 10001
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Urban Foundation Engineering Foundation Engineer
3233 111th Street
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07.15.2016	7	50% DESIGN DEVELOPMENT
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04.08.2016	4	100% SCHEMATIC DESIGN

Project:
1568 Broadway

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Project Number: 13649

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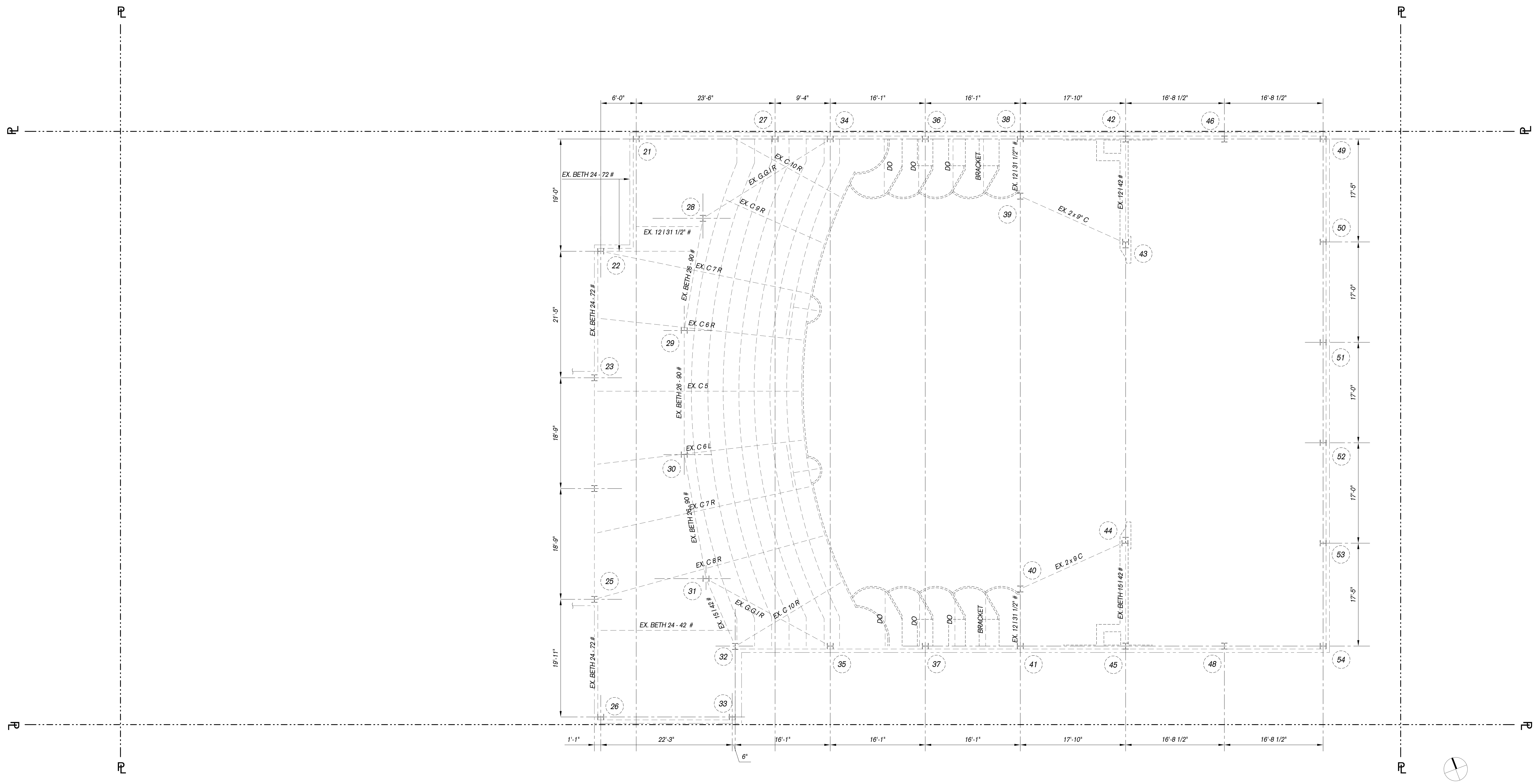

EXISTING THEATER FOURTH FLOOR FRAMING PLAN

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07.15.2016	7	50% DESIGN DEVELOPMENT
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EXISTING THEATER FOURTH FLOOR FRAMING PLAN

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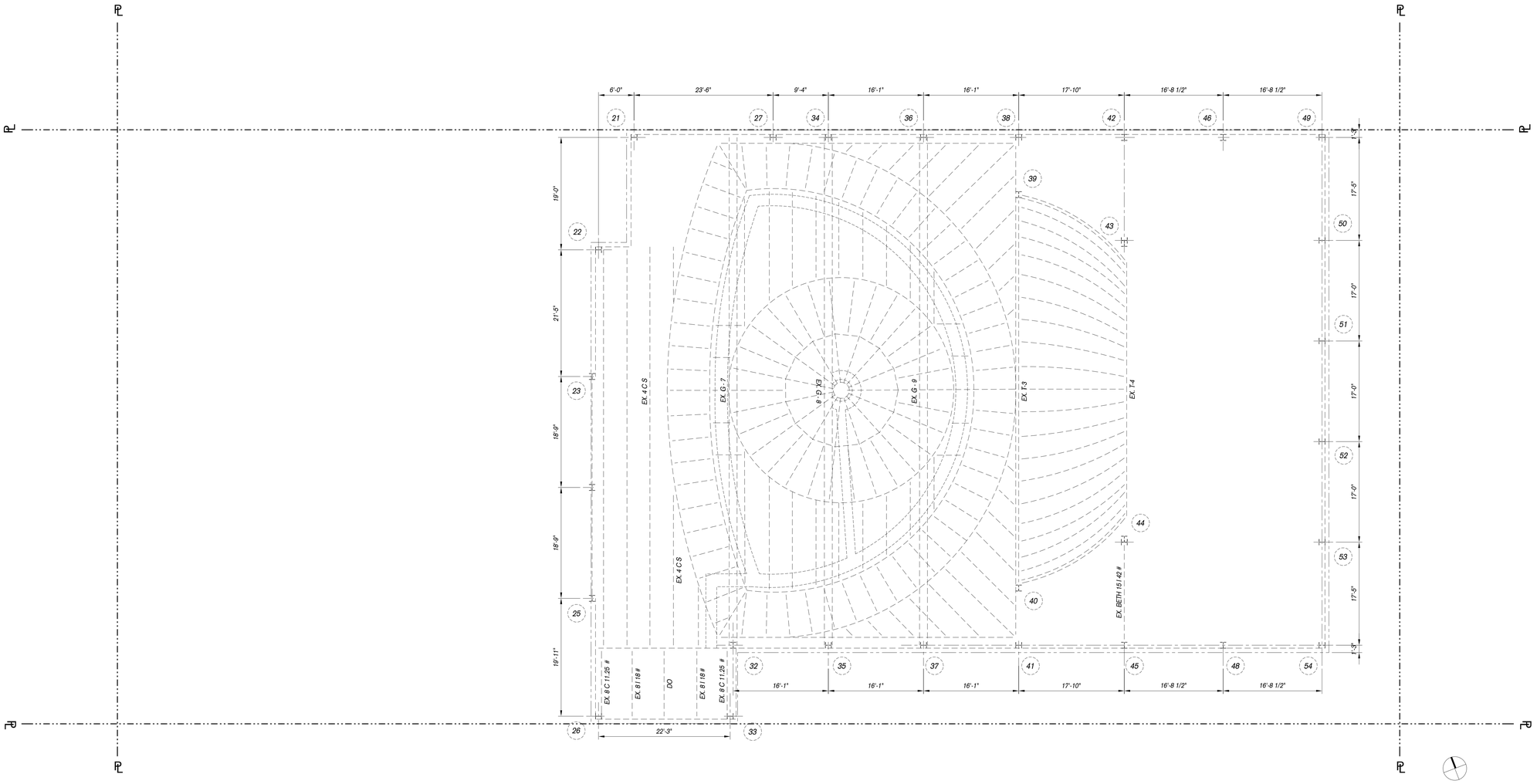

EXISTING FIFTH FLOOR FRAMING PLAN

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275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
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New York, NY 10121
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New York City, New York 10005
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360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

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New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

Roxane Tsirigotis, RA
Business
APPROVED
Date: 04/29/2016
NYC Development Hub

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Project:

1568 Broadway

New York, NY 10036

Sheet Title:

EXISTING FIFTH FLOOR FRAMING PLAN

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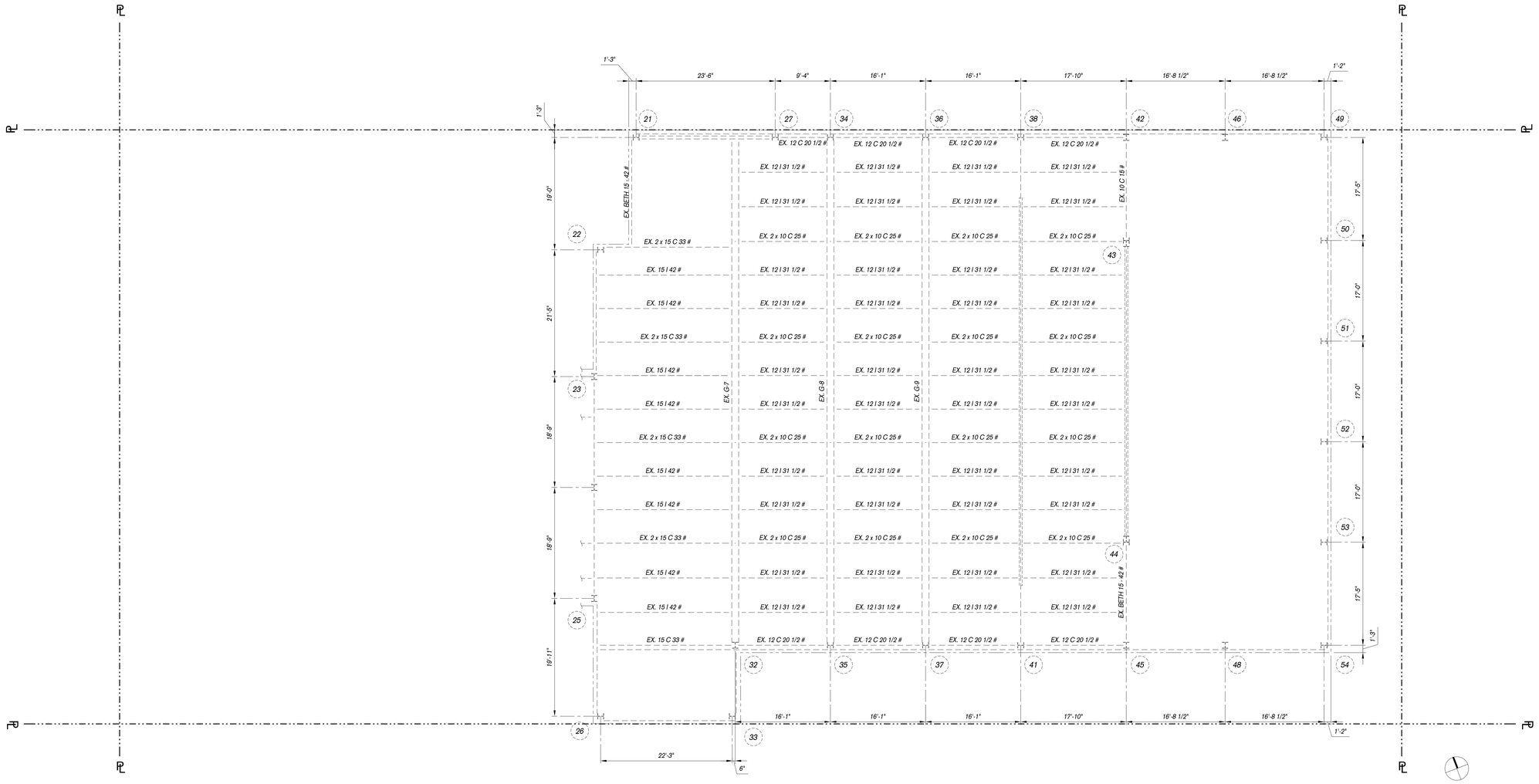

EXISTING SIXTH FLOOR FRAMING PLAN

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212.691.2440 | pbdw.com

Mancini Duffy | Architect of Record
275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
Two Pennsylvania Plaza, 3rd Floor
New York, NY 10121
212.615.3600 | cosentini.com

AAI Architects, P.C. | Interior Architect
14 Wall Street, 2nd Floor
New York City, New York 10005
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718.383.9340 | design2147.com

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884 Paterson Ave., East Rutherford, NJ 07073
973.776.4404 | iroselevator.com

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South Norwalk, Connecticut 068541
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New York, NY 10011
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Jaffe Holden | Acoustic Consultant
114-A Washington Street
Norwalk, CT 06854
203.838.4167 | jaffeholden.com

Yabu Pushelberg | Interior Design
55 BOOTH AVENUE
TORONTO, ON M4M 2M3
212 226 0803 | yabupushelberg.com

Langan Engineering | Geotechnical Engineer
21 Penn Plaza
360 West 31st Street, 8th Floor, New York, NY 10001
212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jbconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
242 West 30th Street, Level 2
New York, NY 10001
212.209.1536

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04.08.2016	4	100% SCHEMATIC DESIGN

Project:

1568 Broadway

New York, NY 10036

Sheet Title:

EXISTING SIXTH FLOOR FRAMING PLAN

Roxane Tsirigotis, RA
R. Tsirigotis
APPROVED
Under Directive 14 of 1975
Date: 04/25/2014
NYC Development Hub

Project Number: 13649	Signature & Seal:
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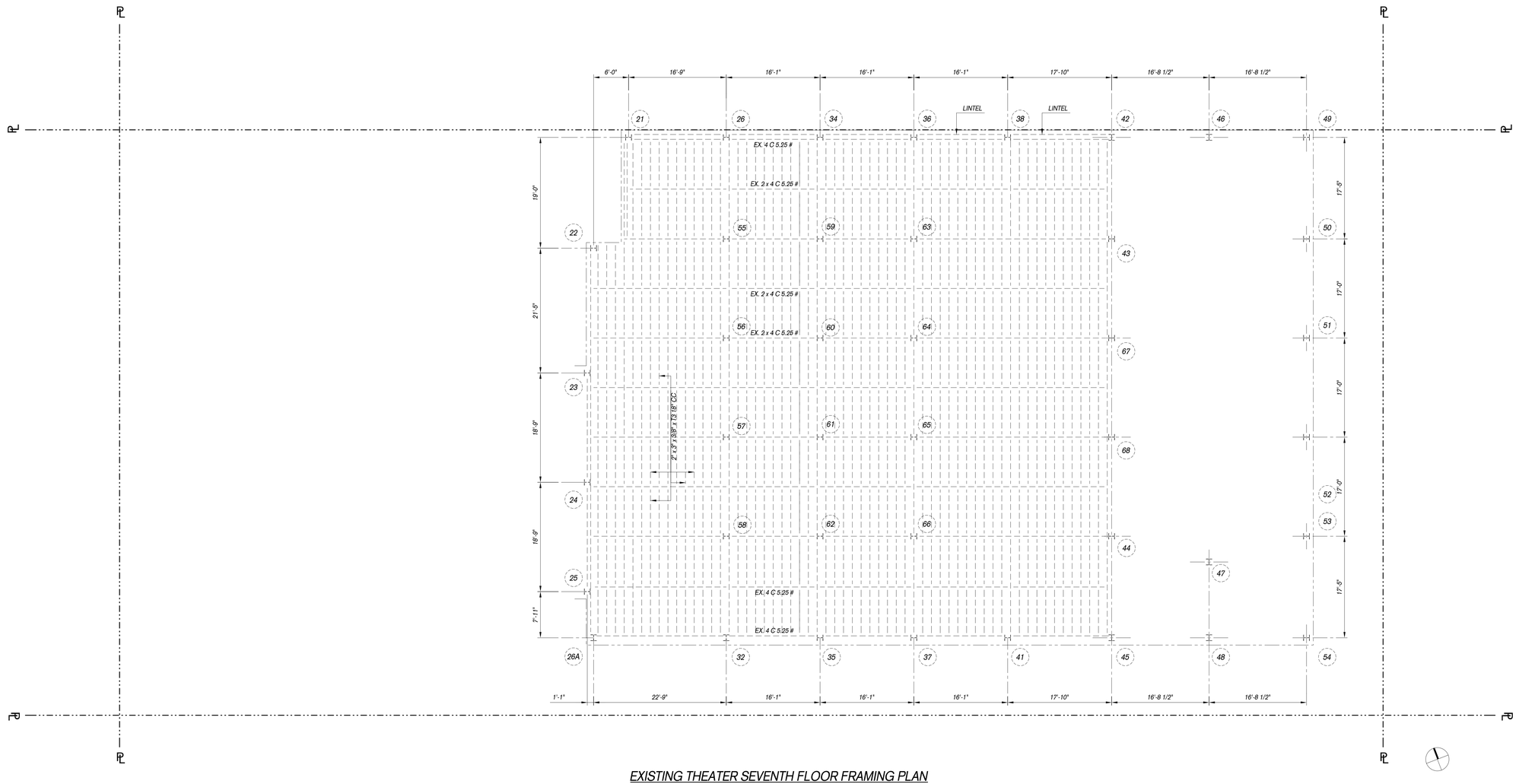

EXISTING THEATER SEVENTH FLOOR FRAMING PLAN

1/8" = 1'-0"

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275 Seventh Avenue
New York, NY 10001
212.938.1260 | manciniduffy.com

Severud Associates | Structural Engineer
469 Seventh Avenue, 9th Floor
New York, NY 10018
212.986.3700 | severud.com

Cosentini Associates | Mechanical Engineer
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New York, NY 10121
212.615.3600 | cosentini.com

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14 Wall Street, 2nd Floor
New York City, New York 10005
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718.383.9340 | design2147.com

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Norwalk, CT 06854
203.838.4167 | jaffeholden.com

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TORONTO, ON M4M 2M3
212 226 0808 | yabupushelberg.com

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212.479.5400 | langan.com

Jablonski Building Conservation | Conservation Consultant
40 West 27th Street, 12th Floor
New York, NY 10001
212.532.7775 | jboconservation.com

Urban Foundation Engineering Foundation Engineer
3233 111th Street
Flushing, NY 11369
718.478.3021

zeroLUX | Lighting Design
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New York, NY 10001
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EXISTING THEATER SEVENTH FLOOR FRAMING PLAN

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Roxane Tsirigotis, RA
R. Tsirigotis
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Under Directive 14 of 1975
Exec. 04/25/2013
NYC Development Hub

STATE OF NEW YORK
ROXANE JEANNE TSIRIGOTIS
LICENSED PROFESSIONAL ENGINEER
060340

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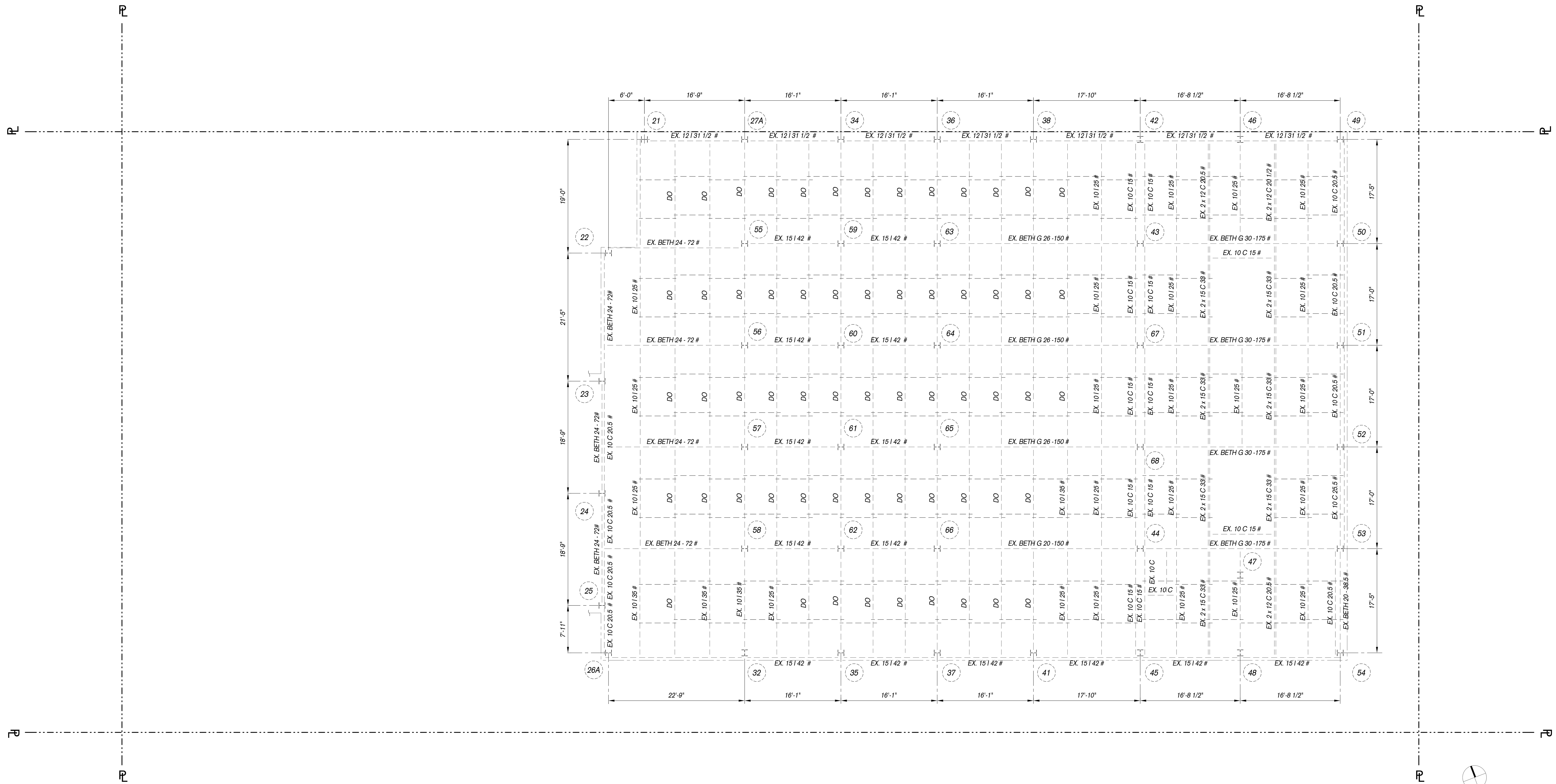

EXISTING THEATER EIGHTH FLOOR TO ROOF FRAMING PLAN

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Mancini Duffy | Architect of Record
275 Seventh Avenue
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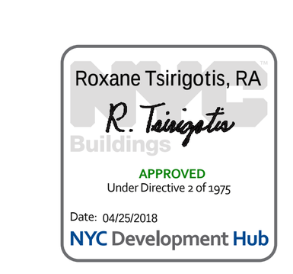

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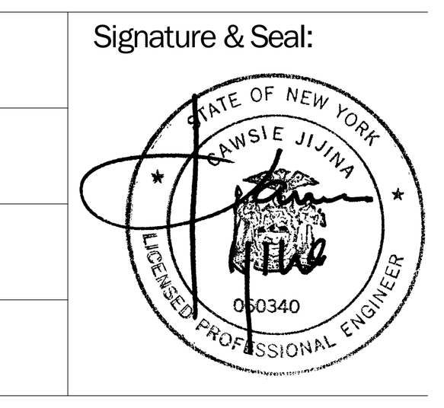

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