

LERA

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William J. Faschan
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17 March 2015
File: P818

Ms. Michele Fei

Vice President - Construction
Extell Development Company
805 Third Avenue, 7th Floor
New York, NY 10022
Via e-mail: MFei@extelldev.com

217 West 57th Street
Superstructure Permit Application
Structural Peer Review

Dear Michele:

At the request of Extell Development Company, Leslie E. Robertson Associates, R.L.L.P. has conducted a Structural Peer Review of the superstructure design of 217 West 57th Street as required by New York City Building Code Section 1627. The foundation peer review was completed by us and the report was filed in 2014. This superstructure report summarizes the extent and findings of our latest review.

We have reviewed the following:

- Structural drawings listed in Appendix A.
- Structural Design Criteria as shown in Drawings FO-001.02 and S-670.01 through S-672.00. These drawings are included in Appendix B. Furthermore, gravity loading criteria is further supplemented by information provide in plan drawings and in the input data for the Etabs analysis model.
- RWDI's Preliminary Results of April 2014 Testing - Wind-Induced Structural Responses, EXTELL Project 865 - New York, New York, RWDI Project #1300272, January 29, 2015. Refer to Appendix C.

Through our review, we have confirmed the following aspects of the superstructure design, as required by Section 1627.6.1:

- the design loads conform to the Building Code;
- the design criteria and design assumptions conform to the Building Code;
- the design properly incorporates the recommendations of the wind tunnel laboratory;
- the superstructure has a complete load path;
- based on our independent calculations of representative slabs, beams, link beams, columns, belt walls, transfer walls and shear walls, we find that the design of the foundations have adequate strength;
- the structural plans are in general conformance with the architectural plans regarding loads and other conditions that affect the structural design; and
- the structural plans are generally complete.

Accordingly, we find the design of the superstructure to be in general conformance with the structural design provisions of the Building Code.

In addition to new building components not required to be reviewed by Section BC1627 of the code, the following aspects of the superstructure design have not been reviewed:

- The effect of the new construction on adjacent buildings.
- The effect of the new superstructure loads and construction on the historic building (1780 Broadway) that is to be incorporated into the project.

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Ms. Michele Fei

17 March 2015

Page 3

The opinions expressed in this letter represent our professional view, based on the information made available to us. In developing these opinions, we have exercised a degree of care and skill commensurate with that exercised by professional engineers licensed in the State of New York for similar types of projects. No other warranty, expressed or implied, is made as to the professional advice included in this letter.

Regards,

LESLIE E. ROBERTSON ASSOCIATES, PLLC

A handwritten signature in black ink, appearing to read 'WJF', with a long horizontal flourish extending to the right.

William J. Faschan

WJF/rz

cc: Mr. Yoram Eilon, WSPCS via e-mail: yoram.eilon@wspcs.com

STRUCTURAL PEER REVIEW STATEMENT

This structural peer review and report, dated 17 March 2015, is complete for the superstructure submission. The foundation submission, dated 5 November 2014, has been separately filed.

Structural Peer Reviewer Name: William J. Faschan
Leslie E. Robertson Associates

Structural Peer Reviewer Address: 40 Wall Street, FL 23
New York, NY 10005

Project Address: 217 West 57th Street, Block #1029, Lot #19

Department Application Number for Structural Work: #121328205

Structural Peer Reviewer Statement:

I, William J. Faschan, am a qualified and independent NYS licensed and registered engineer in accordance with BC Section 1627.4, and I have reviewed the structural plans, specifications, and supplemental reports for 217 West 57th Street, Block #1029, Lot #19, Application #121328205 and found that the structural design shown on the plans and specifications generally conforms to the superstructure and structural requirements of Title 28 of the Administrative Code and the 2008 NYC Construction Codes. The Structural Peer Review Report is attached.

New York State Registered Design Professional
(for Structural Peer Review only)

Name William J. Faschan

Signature  Date 3/17/15



Cc: Project Owner: Michele Fei
Project Registered Design Professional: Ahmad Rahimian

APPENDIX A

217 WEST 57TH STREET

STRUCTURAL DRAWING LIST

DRAWING NUMBER	DRAWING TITLE	REV	DATE
FO-001.02	General Notes, Legend and Abbreviations	22	02-10-2015
FO-002.01	NYC Transit Notes	8	02-05-2015
FO-100.02	Foundation (Sub-Cellar 3) Plan	20	02-05-2015
FO-101.01	Site Key Plan	10	02-05-2015
FO-102.01	Mat Reinforcement Plan	14	02-05-2015
FO-200.02	Typical Foundation Details 1	14	02-05-2015
FO-201.02	Typical Foundation Details 2	15	02-05-2015
FO-202.02	Typical Foundation Details 3	14	02-05-2015
FO-203.02	Typical Foundation Details 4	13	02-05-2015
FO-300.01	Foundation Sections 1	16	12-19-2014
FO-300.02	Foundation Sections 1	17	02-05-2015
FO-301.02	Foundation Sections 2	17	02-05-2015
FO-302.02	Foundation Sections 3	18	02-05-2015
FO-303.02	Foundation Sections 4	10	02-05-2015
S-001.01	Subcellar 2 - Framing Plan	18	02-10-2015
S-002.01	Subcellar 2 - Part General Arrangement and Reinforcing Plan	8	02-10-2015
S-010.01	Subcellar 1 - Framing Plan	19	02-10-2015
S-011.01	Subcellar 1 - Part General Arrangement and Reinforcing Plan	7	02-10-2015
S-020.01	Cellar Framing Plan	19	02-10-2015
S-021.01	Cellar - Part General Arrangement and Reinforcing Plan	8	02-10-2015

DRAWING NUMBER	DRAWING TITLE	REV	DATE
S-110.01	Ground Floor - Framing Plan	18	02-10-2015
S-111.01	Ground Floor - Part General Arrangement and Reinforcing Plan	7	02-10-2015
S-115.00	Ground Floor - Mezzanine Framing Plan	9	02-10-2015
S-120.00	2nd Floor - Framing Plan	15	02-10-2015
S-121.00	2nd Floor - Part General Arrangement and Reinforcing Plan	5	02-10-2015
S-130.00	3rd Floor - Framing Plan	15	02-10-2015
S-131.00	3rd Floor - Part General Arrangement and Reinforcing Plan	5	02-10-2015
S-140.00	4th Floor - Framing Plan	15	02-10-2015
S-141.00	4th Floor - Part General Arrangement and Reinforcing Plan	5	02-10-2015
S-150.00	5th Floor - Framing Plan	15	02-10-2015
S-151.00	5th Floor - Part General Arrangement and Reinforcing Plan	5	02-10-2015
S-160.00	6th Floor - Framing Plan	14	02-10-2015
S-161.00	6th Floor - Framing Part Plans	7	02-10-2015
S-162.00	6th Floor - Part General Arrangement and Reinforcing Plan	4	02-10-2015
S-170.00	7th Floor - Framing Plan	13	01-14-2015
S-171.00	7th Floor - Framing Part Plans	8	02-10-2015
S-172.00	7th Floor - Part General Arrangement and Reinforcing Plan	5	02-10-2015
S-180.00	8th Floor - Framing Plan	13	01-14-2015
S-185.00	8th Floor - Framing Part Plans	5	01-14-2015
S-186.00	8th Floor Mezzanine - Framing Plan	7	01-14-2015
S-190.00	9th Floor (MEP) - Framing Plan	9	01-14-2015
S-200.00	10th Floor - Framing Plan	8	01-14-2015
S-205.00	10th Floor Mezzanine - Framing Plan	8	01-14-2015
S-210.00	11th Floor (MEP) - Framing Plan	8	01-14-2015
S-213.00	12th Floor - Framing Plan	2	01-14-2015
S-215.00	13th Floor - Framing Plan	9	12-19-2014

DRAWING NUMBER	DRAWING TITLE	REV	DATE
S-220.00	14th-19th Floors - Framing Plan	8	12-19-2014
S-225.00	20th Floor - Framing Plan	6	12-19-2014
S-230.00	21st-26th Floors - Framing Plan	7	12-19-2014
S-235.00	27th Floor (MEP) - Framing Plan	7	12-19-2014
S-240.00	28th Floor - Framing Plan	7	12-19-2014
S-245.00	29th-45th Floors - Framing Plan	5	12-19-2014
S-250.00	46th Floor (MEP) - Framing Plan	7	12-19-2014
S-255.00	47th Floor - Framing Plan	8	12-19-2014
S-260.00	48th-66th Floors - Framing Plan	7	12-19-2014
S-265.00	67th Floor (MEP) - Framing Plan	7	12-19-2015
S-270.00	67th Floor Mezzanine - Framing Plan	4	12-19-2015
S-275.00	68th Floor - Framing Plan	8	12-19-2015
S-280.00	69th Floor - Framing Plan	7	12-19-2014
S-285.00	70th-88th Floors - Framing Plan	7	12-19-2014
S-290.00	89th Floor - Framing Plan	7	12-19-2014
S-295.00	90th Floor - Framing Plan	7	12-19-2014
S-300.00	91st Floor - Framing Plan	7	12-19-2014
S-305.00	92nd Floor - Framing Plan	8	12-19-2014
S-310.00	93rd Floor (EMR) - Framing Plan	5	12-19-2014
S-315.00	94th Floor(TMD) - Framing Plan	6	12-19-2014
S-320.00	95th Floor - Framing Plan	5	12-19-2014
S-325.00	95th Floor Mezzanine - Framing Plan	1	12-19-2014
S-330.00	96th Floor (Roof) - Framing Plan	5	10-15-2014
S-400.01	Shearwall Reinforcement Details 1 - Foundation Up to Ground Floor	15	02-10-2015
S-401.01	Shearwall Plan Reinforcement Details 2 - Ground to U/S 6th Floor	4	02-10-2015
S-402.00	Shearwall Plan Reinforcement Details 3 - 6th Floor to U/S 8th Floor - Part 1	2	12-19-2014
S-403.00	Shearwall Plan Reinforcement Details 4 - 6th Floor to U/S 8th Floor - Part 2	2	12-19-2014

DRAWING NUMBER	DRAWING TITLE	REV	DATE
S-420.01	Typical Steel Frame Bracing Elevation Details	6	02-05-2015
S-430.01	Typical Concrete Shear Wall Details	12	02-05-2015
S-440.00	Link Beam Schedule	8	12-19-2014
S-450.01	Shearwall Elevations Along Gridline (1 of 3)	9	02-10-2015
S-451.00	Shearwall Elevations Along Gridline (2 of 3)	3	12-19-2014
S-452.00	Shearwall Elevations Along Gridline (3 of 3)	2	12-19-2014
S-453.01	Shearwall Elevations Along Gridline 4 (1 of 3)	8	02-10-2015
S-454.00	Shearwall Elevations Along Gridline 4 (2 of 3)	2	12-19-2014
S-455.00	Shearwall Elevations Along Gridline 4 (3 of 3)	3	12-19-2014
S-456.01	Shearwall Elevations Along Gridlines 5.2 & 5	8	02-10-2015
S-457.00	Shearwall Elevations Along Gridline B (1 of 2)	3	12-19-2014
S-458.00	Shearwall Elevations Along Gridline B (2 of 2)	3	12-19-2014
S-459.00	Shearwall Elevations Along Gridline C (1 of 3)	8	02-10-2015
S-460.00	Shearwall Elevations Along Gridline C (2 of 3)	3	12-19-2014
S-461.00	Shearwall Elevations Along Gridline C (3 of 3)	3	12-19-2014
S-462.00	Shearwall Elevations Along Gridlines D, E & F	3	12-19-2014
S-463.01	Shearwall Elevations Along Gridlines G & G.4	7	02-10-2015
S-464.00	Shearwall Elevation Along Gridline 2	3	12-19-2014
S-465.00	Shearwall Elevation Along Gridline 4.5	3	12-19-2014
S-466.01	Shearwall Elevations Along Gridline A & F.5	6	02-10-2015
S-500.01	Steel Column Schedule	18	02-10-2015

DRAWING NUMBER	DRAWING TITLE	REV	DATE
S-501.01	Typical Steel Column Details	10	02-05-2015
S-510.01	Concrete Column Schedule 1	8	02-10-2015
S-511.00	Concrete Column Schedule 2	6	02-10-2015
S-512.00	Concrete Column Schedule 3	5	02-10-2015
S-513.01	Typical Concrete Columns Details 1	12	02-05-2015
S-600.01	Typical Superstructure Steel Details 1	12	02-05-2015
S-601.01	Typical Superstructure Steel Details 2	6	02-05-2015
S-602.02	Typical Superstructure Steel Details 3	13	02-05-2015
S-603.02	Typical Superstructure Steel Details 4	13	02-10-2015
S-604.01	Typical Superstructure Steel Details 5	8	02-10-2015
S-620.01	Typical Superstructure Concrete Details 1	10	02-05-2015
S-621.01	Typical Superstructure Concrete Details 2	10	02-05-2015
S-622.01	Typical Superstructure Concrete Details 3	7	02-05-2015
S-623.01	Typical Superstructure Concrete Details 4	4	02-05-2015
S-624.01	Typical Superstructure Concrete Details 4	6	02-05-2015
S-650.01	Typical Concrete Masonry Details	8	02-05-2015
S-670.00	Loading Diagrams 1	11	03-02-2015
S-671.01	Loading Diagrams 2	9	12-19-2014
S-672.00	Loading Diagrams 3	11	01-14-2015
S-700.01	Superstructure Base Sections 1	13	02-10-2015
S-701.01	Superstructure Base Sections 2	7	02-05-2015
S-702.01	Superstructure Base Sections 3	5	02-10-2015
S-800.01	Typical Stair Details	11	02-05-2015
S-801.01	Stair Sections	4	02-05-2015
S-802.01	Stair Sections	3	02-05-2015

APPENDIX B

217 WEST 57TH STREET

Superstructure Peer Review

Design Criteria

DRAWING NUMBER	DRAWING TITLE	REV	DATE
FO-001.02	General Notes, Legend and Abbreviations	22	02-10-2015
S-670.00	Loading Diagrams 1	11	03-02-2015
S-671.01	Loading Diagrams 2	9	12-19-2014
S-672.00	Loading Diagrams 3	11	01-14-2015

ABBREVIATIONS:

Table of abbreviations for construction terms, including ANCHOR BOLT, JOINT, ANCHOR, etc.

GENERAL NOTES:

- 1. ALL WORK TO BE PERFORMED IN COMPLIANCE WITH THE 2009 NEW YORK CITY BUILDING CODE, LATEST EDITION AND ALL SUPPLEMENTS.

FOUNDATION NOTES:

- 1. ALL FOOTINGS AND SHEAR WALL MAT FOUNDATION SHALL BEAR ON ROCK WITH A SAFE BEARING CAPACITY OF 60 TONS PER SQ. FT.

SUPERSTRUCTURE CONCRETE NOTES:

- 1. ALL CONCRETE SHALL BE NORMAL WEIGHT CONTROLLED CONCRETE, UON, AND COMPLY WITH THE A.C.I. BUILDING CODE AND THE CURRENT NEW YORK CITY BUILDING CODE.

Table with columns: LEVEL, SHEAR WALLS & COLUMNS, SLABS. Includes modulus of elasticity and shear strength data.

STRUCTURAL STEEL NOTES:

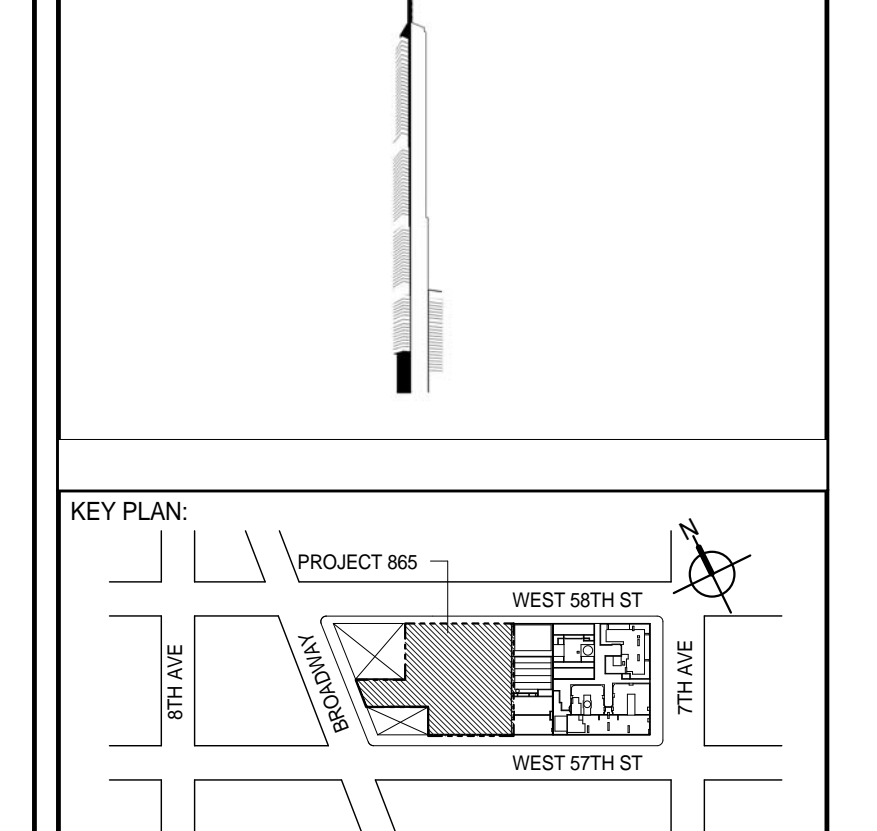
- 1. STRUCTURAL STEEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE AND THE CURRENT NEW YORK CITY BUILDING CODE.

C.M.U. MASONRY NOTES:

- 1. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR COMPLETE REQUIREMENTS FOR CMU MASONRY CONSTRUCTION AND APPEARANCE DETAILS.

LEGEND:

- 1. (---) INDICATES TOP OF FOOTING.
- 2. (---) INDICATES CEMBER IN INCHES.



DEVELOPER: ETELL DEVELOPMENT COMPANY, 805 THIRD AVENUE, 7TH FLOOR, NEW YORK, NY 10022 USA.

DESIGN ARCHITECT: Base Building Shell & Core, ADRIAN SMITH + GORDON GILL ARCHITECTURE.

ARCHITECT OF RECORD: Base Building Shell, Core & Residential, AJL ARCHITECTS, P.C.

STRUCTURAL ENGINEER: WSP, 228 East 45th Street, New York, NY 10017 USA.

MEP ENGINEERS: AOK GROUP, New York, NY 10018 USA.

GEOTECHNICAL ENGINEERS: Langan Engineering & Environmental Services, 21 Park Avenue, New York, NY 10011-2727.

CODE CONSULTANTS: Construction Consulting Associates, 100 Church Street, New York, NY 10007.

CURTAINWALL CONSULTANT: AJP Consulting, 40 Worth Street, Suite 808, New York, NY 10013.

LANDMARK PRESERVATION CONSULTANT: Jan Hird Pokorny Associates, Inc., 39 West 37th Street, 12A, New York, NY 10018.

No. DESCRIPTION DATE

Table with 3 columns: No., DESCRIPTION, DATE. Lists project milestones like SCHEMATIC DESIGN, FOUNDATION BID PACKAGE, etc.

DISCREPANCIES must be reported immediately to the Architect before proceeding. Only figured dimensions are to be used.

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT: WSP, 228 East 45th Street, New York, NY 10017.

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

DRAWING TITLE: GENERAL NOTES, LEGEND AND ABBREVIATIONS

DATE: 03-31-2014, PROJECT No.: 2012186

CHECKED: YAO, 22, SCALE: 1/8" = 1'-0"

ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY

DATE: 12-19-2014, PROJECT No.: 2012186

DATE: 02-10-2015, PROJECT No.: 2012186

DATE: 12-19-2014, PROJECT No.: 2012186

DATE: 01-09-2015, PROJECT No.: 2012186

DATE: 02-10-2015, PROJECT No.: 2012186

DATE: 02-10-2015, PROJECT No.: 2012186

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DATE: 02-10-2015, PROJECT No.: 2012186

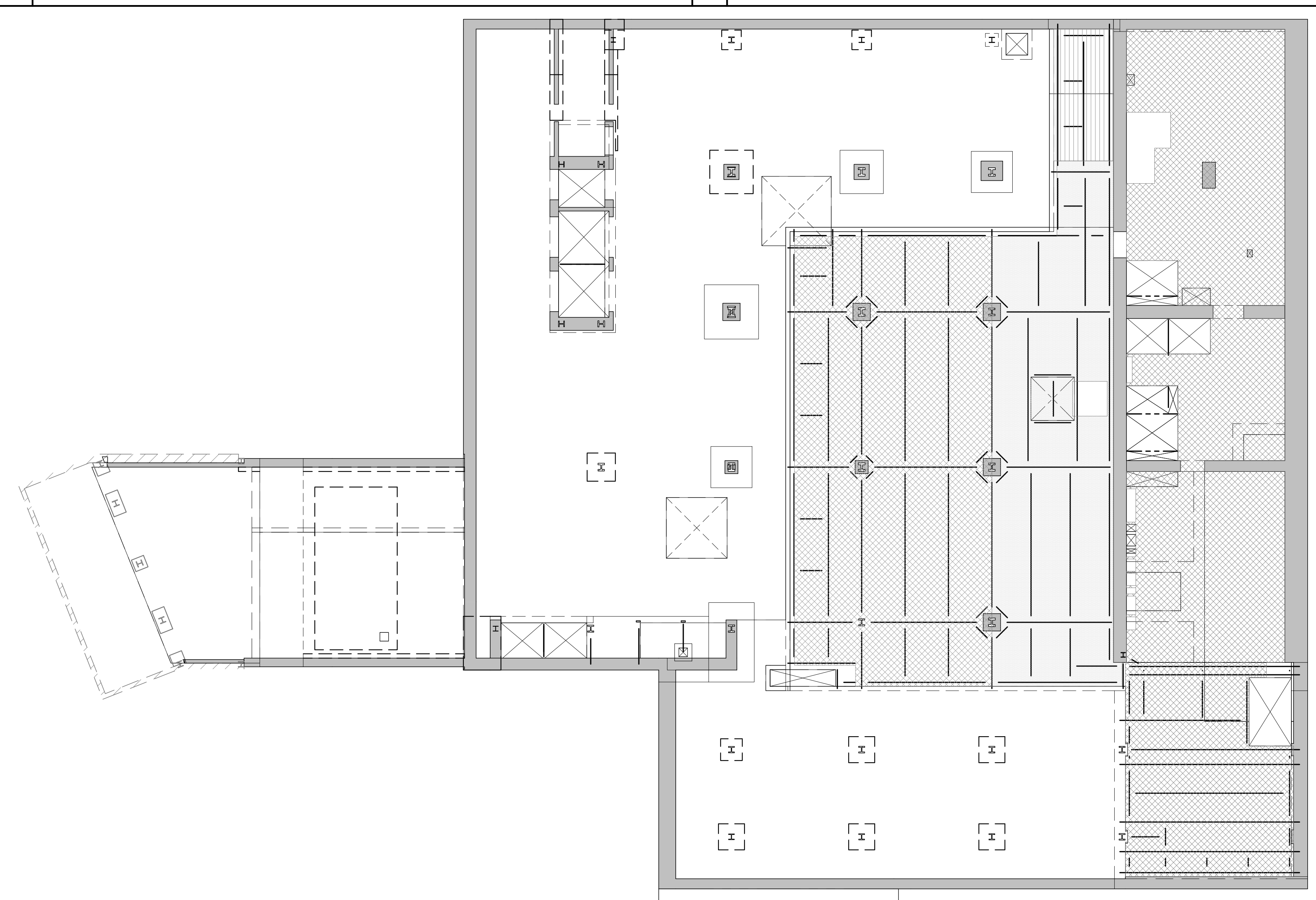
DATE: 02-10-2015, PROJECT No.: 2012186

DATE: 02-10-2015, PROJECT No.: 2012186

DATE: 02-10-2015, PROJECT No.: 2012186

DATE: 02-10-2015, PROJECT No.: 2012186

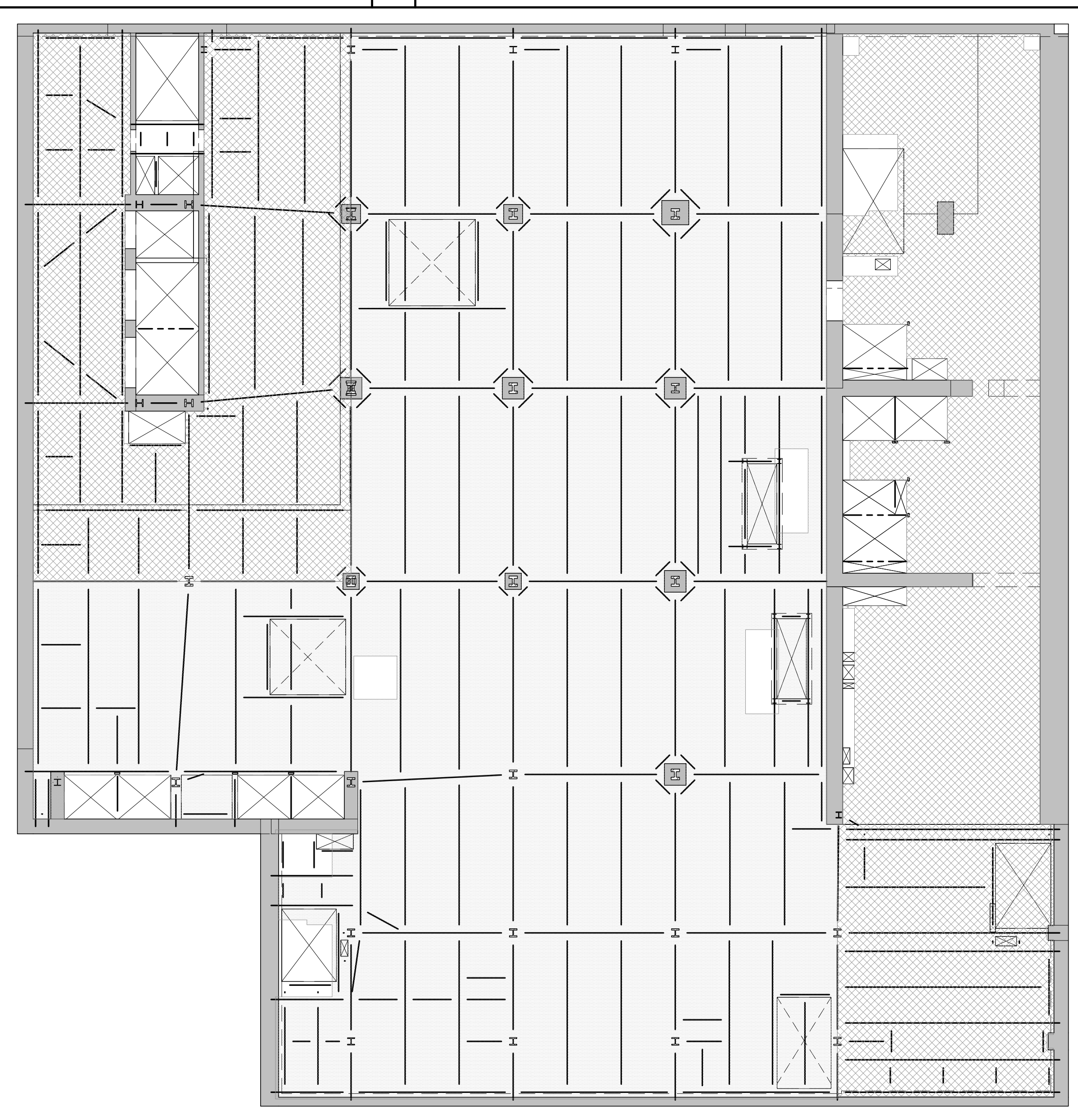
SEE MECHANICAL SHEET 102



1 SUBCELLAR 2 LOADING DIAGRAM
S-670 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a					LIVE LOAD ^{b,c}	REMARKS
	FINISHILL [lb/ft ²]	BUILT UP [lb/ft ²]	MISC. [lb/ft ²]	MEP + CEILING [lb/ft ²]	PARTITION (PSF)		
[Hatched]	12		5	40	20	125	
[Dotted]	12		5	40	20	100	
[White]	12		5	40		250	

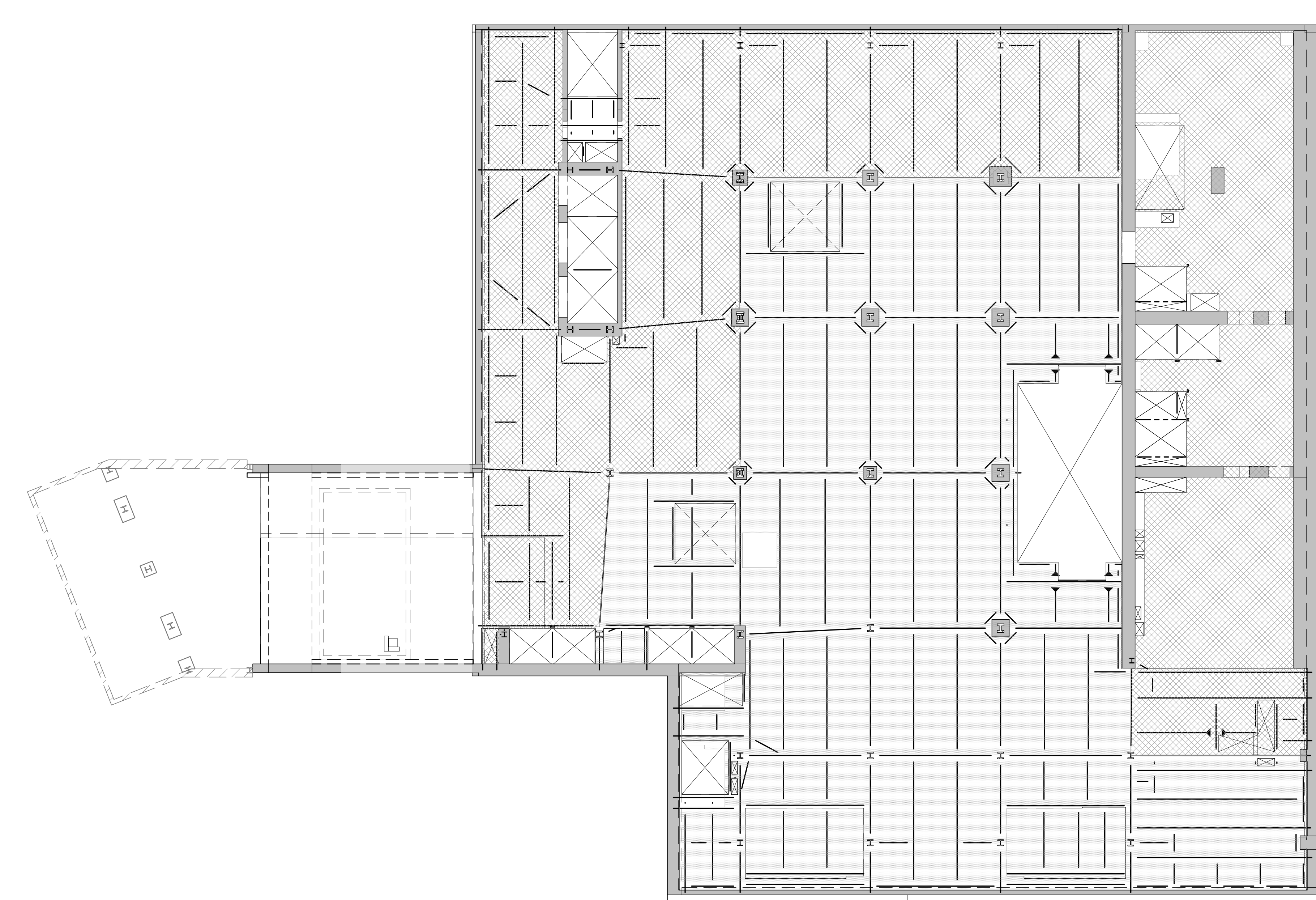
NOTES:
 a. DEAD LOAD IS BASED ON SLAB CONSTRUCTION AND FRAMING SELF-WEIGHT AS INDICATED ON THE CORRESPONDING FLOOR FRAMING.
 b. LIVE LOAD REDUCTION IS CONSIDERED BASED ON NYC BUILDING CODE.
 c. THE MAX. OF THE SPECIFIED LOAD IN THIS SCHEDULE OR SPECIFIED MECH. LOADS AS SHOWN ON DRAWINGS.



2 SUB CELLAR 1 LOADING DIAGRAM
S-670 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a					LIVE LOAD ^{b,c}	REMARKS
	FINISHILL [lb/ft ²]	BUILT UP [lb/ft ²]	MISC. [lb/ft ²]	MEP + CEILING [lb/ft ²]	PARTITION (PSF)		
[Hatched]	12		5	40	20	125	
[Dotted]	12		5	40	20	100	

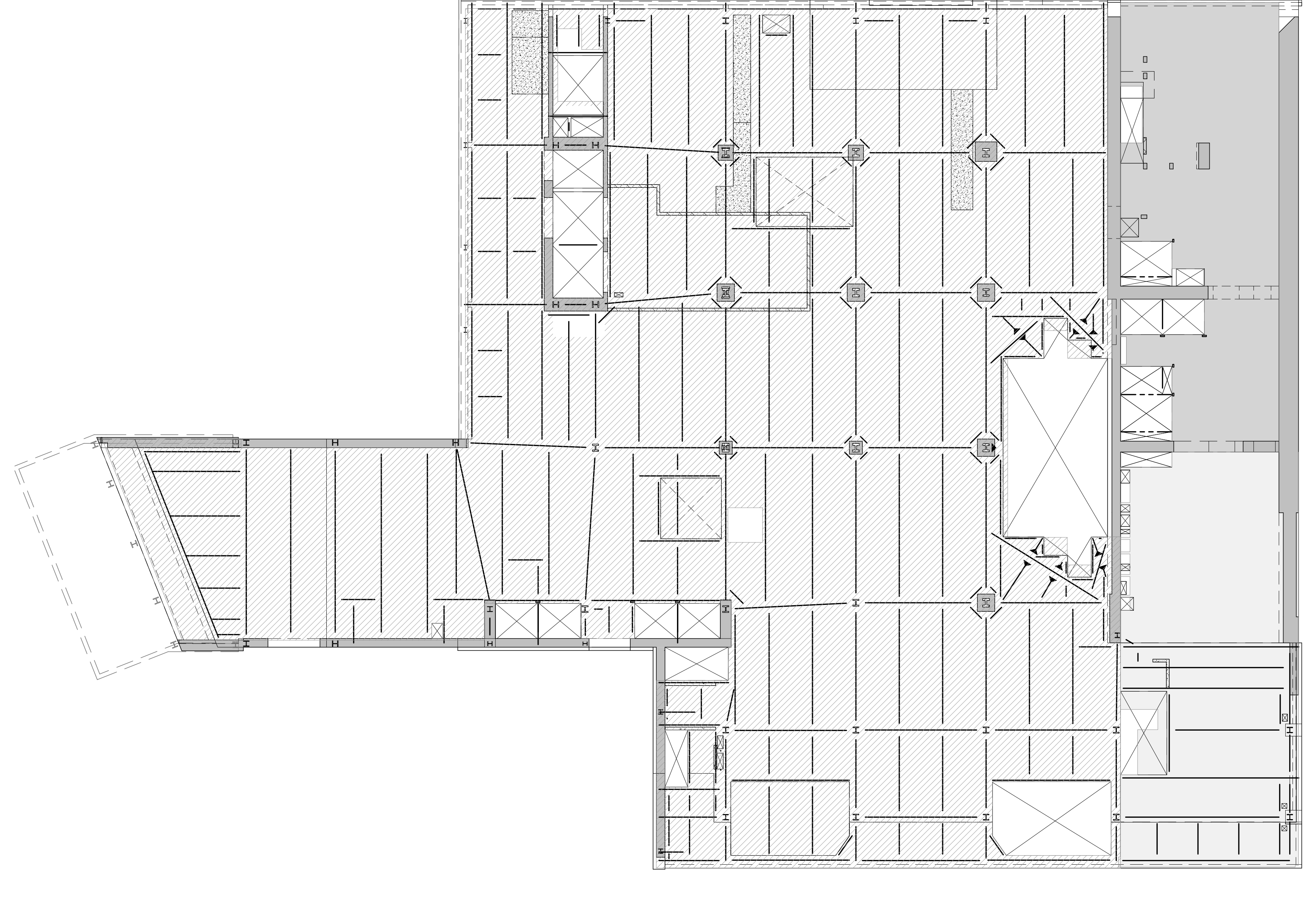
NOTES:
 a. DEAD LOAD IS BASED ON SLAB CONSTRUCTION AND FRAMING SELF-WEIGHT AS INDICATED ON THE CORRESPONDING FLOOR FRAMING.
 b. LIVE LOAD REDUCTION IS CONSIDERED BASED ON NYC BUILDING CODE.
 c. THE MAX. OF THE SPECIFIED LOAD IN THIS SCHEDULE OR SPECIFIED MECH. LOADS AS SHOWN ON DRAWINGS.



3 CELLAR LOADING DIAGRAM
S-670 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a					LIVE LOAD ^{b,c}	REMARKS
	FINISHILL [lb/ft ²]	BUILT UP [lb/ft ²]	MISC. [lb/ft ²]	MEP + CEILING [lb/ft ²]	PARTITION (PSF)		
[Hatched]	12		5	40	20	125	
[Dotted]	12		5	40	20	100	

NOTES:
 a. DEAD LOAD IS BASED ON SLAB CONSTRUCTION AND FRAMING SELF-WEIGHT AS INDICATED ON THE CORRESPONDING FLOOR FRAMING.
 b. LIVE LOAD REDUCTION IS CONSIDERED BASED ON NYC BUILDING CODE.
 c. THE MAX. OF THE SPECIFIED LOAD IN THIS SCHEDULE OR SPECIFIED MECH. LOADS AS SHOWN ON DRAWINGS.



4 GROUND FLOOR LOADING DIAGRAM
S-670 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a					LIVE LOAD ^{b,c}	REMARKS
	FINISHILL [lb/ft ²]	BUILT UP [lb/ft ²]	MISC. [lb/ft ²]	MEP + CEILING [lb/ft ²]	PARTITION (PSF)		
[Hatched]	12		5	40	20	150	TENANT LOADING
[Dotted]						300	CONSTRUCTION LOADING
[White]						600	CONSTRUCTION LOADING SEE TYPICAL DETAILS FOR ADD. REINFORCING
[Hatched]						600	CONSTRUCTION LOADING SEE TYPICAL DETAILS FOR ADD. REINFORCING

NOTES:
 a. DEAD LOAD IS BASED ON SLAB CONSTRUCTION AND FRAMING SELF-WEIGHT AS INDICATED ON THE CORRESPONDING FLOOR FRAMING.
 b. LIVE LOAD REDUCTION IS CONSIDERED BASED ON NYC BUILDING CODE.
 c. THE MAX. OF THE SPECIFIED LOAD IN THIS SCHEDULE OR SPECIFIED MECH. LOADS AS SHOWN ON DRAWINGS.
 d. LIVE LOAD CONSIDERED IS FOR HS20 OR CONCRETE TRUCK AT ANY LOCATION.
 e. ** USE MAX. LOAD CASE BETWEEN TENANT OR CONSTRUCTION LOADING, WHICHEVER IS GOVERNS.

PROJECT NORTH

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

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

INTERIOR DESIGNER: Residential
Rotter Architecture and Design Studio, PLLC
 288 Fifth Ave, 7th Floor
 New York, NY 10001
 TEL: 646 988 7000 FAX:

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

STRUCTURAL ENGINEER:
WSP
 228 East 45th Street
 New York, NY 10017 USA
 TEL: 212 687 9888 FAX: 646 487 5001

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

GEOTECHNICAL ENGINEERS:
Langan Engineering & Environmental Services
 21 Penn Plaza - 360 West 31st Street, 9th Floor
 New York, NY 10001-2727
 TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS:
Construction Consulting Associates
 100 Church Street
 New York, NY 10007
 TEL: 212 385 5918 FAX: 212 385 1911

CURTAINWALL CONSULTANT:
AJLP Consulting
 40 Worth Street, Suite 828
 New York, NY 10013
 TEL: 212 757 8659 FAX: 646 219 8508

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

No.	DESCRIPTION	DATE
1	DOB FILING SET	06-17-2014
2	DESIGN DEVELOPMENT	07-01-2014
3	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
4	SE ZONE STEEL BID	08-20-2014
5	STRUCTURAL STEEL BID	09-15-2014
6	STRUCTURAL STEEL BID-ADDENDUM	10-01-2014
7	CD PROGRESS ISSUE 1	10-15-2014
8	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
9	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
10	DOB SUBMISSION	12-19-2014
11	XXXXXX	03-02-2015

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

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT:
WSP 228 East 45th Street
 New York, NY 10017
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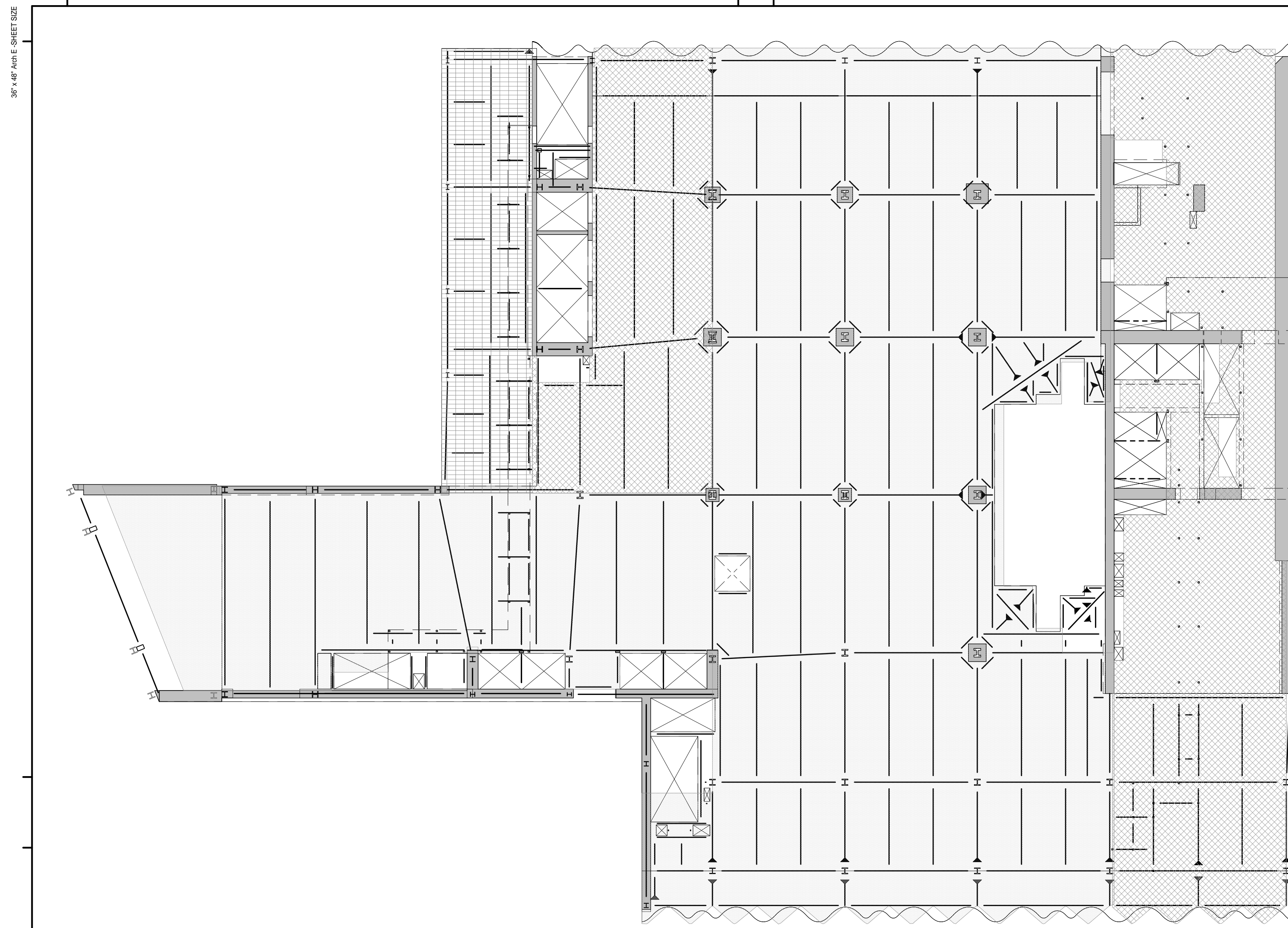
PROJECT:
217 WEST 57TH STREET
 NEW YORK, NY

DRAWING TITLE:
LOADING DIAGRAMS 1

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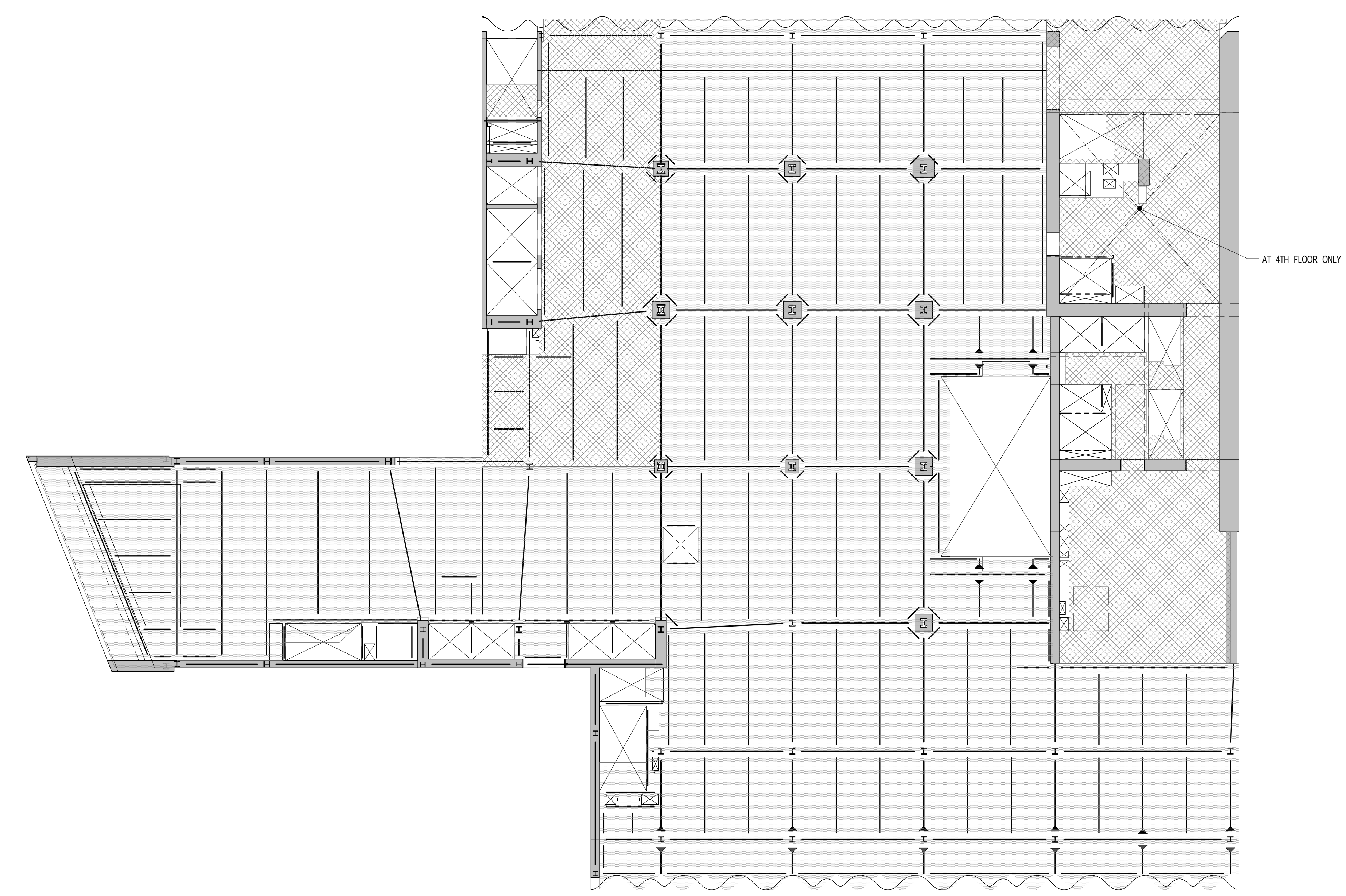
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 PLOT BY: JLM



1 2ND FLOOR LOADING DIAGRAM
S-671 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a					LIVE LOAD ^{b,c}	REMARKS
	FINISH ¹	BUILT UP	MISC.	MEP + CEILING	PARTITION		
[Pattern]	12	5	40	20	125		
[Pattern]	12	5	40	20	75		
[Pattern]	50	75	5	40	100		

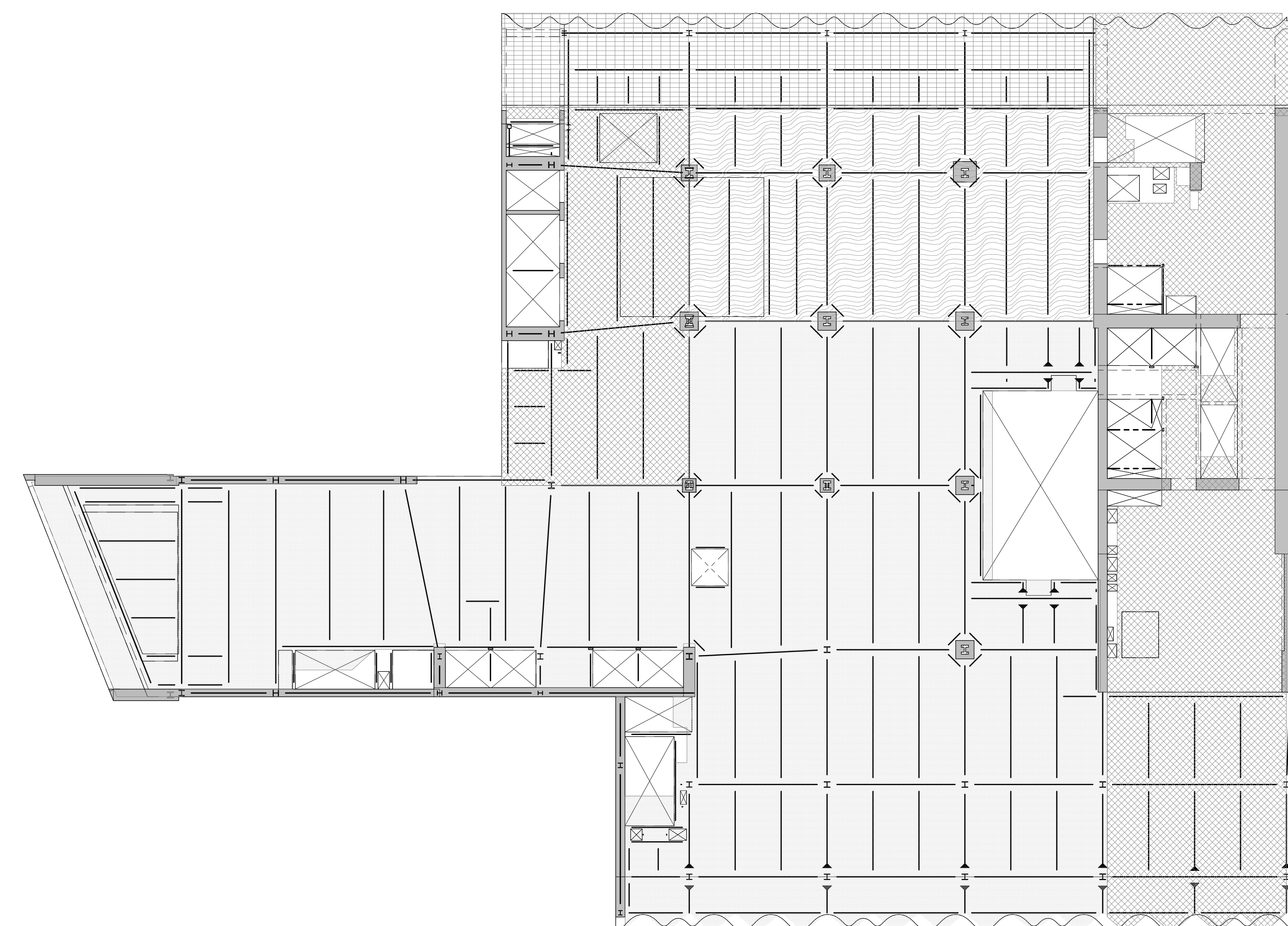
NOTES:
 a. DEAD LOAD IS BASED ON SLAB CONSTRUCTION AND FRAMING SELF-WEIGHT AS INDICATED ON THE CORRESPONDING FLOOR FRAMING.
 b. LIVE LOAD REDUCTION IS CONSIDERED BASED ON NYC BUILDING CODE.
 c. THE MAX. OF THE SPECIFIED LOAD IN THIS SCHEDULE OR SPECIFIED MECH. LOADS AS SHOWN ON DRAWINGS.



2 3RD-4TH FLOOR LOADING DIAGRAM
S-671 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a					LIVE LOAD ^{b,c}	REMARKS
	FINISH ¹	BUILT UP	MISC.	MEP + CEILING	PARTITION		
[Pattern]	12	5	40	20	125		
[Pattern]	12	5	40	20	75		

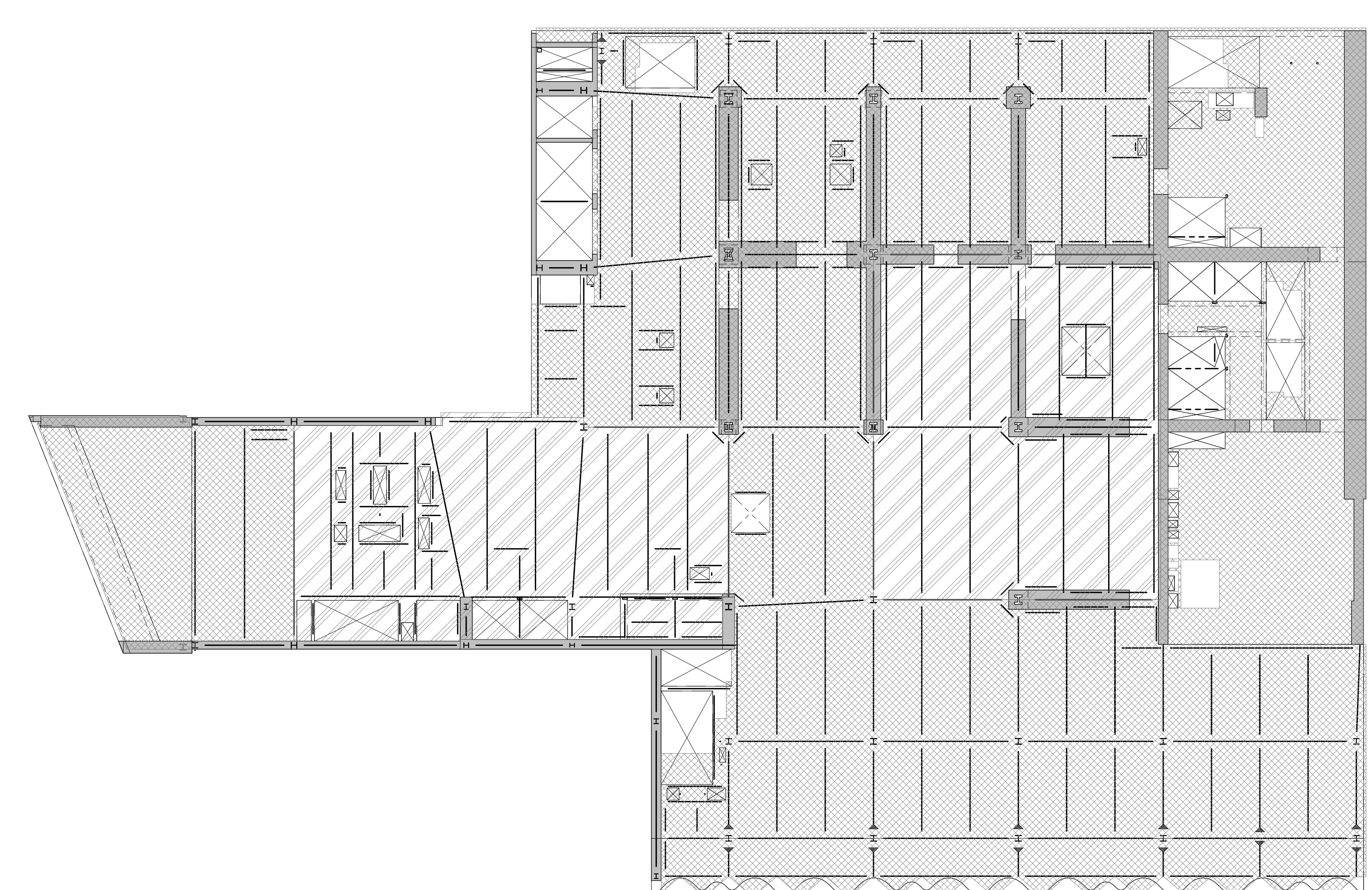
NOTES:
 a. DEAD LOAD IS BASED ON SLAB CONSTRUCTION AND FRAMING SELF-WEIGHT AS INDICATED ON THE CORRESPONDING FLOOR FRAMING.
 b. LIVE LOAD REDUCTION IS CONSIDERED BASED ON NYC BUILDING CODE.
 c. THE MAX. OF THE SPECIFIED LOAD IN THIS SCHEDULE OR SPECIFIED MECH. LOADS AS SHOWN ON DRAWINGS.



3 5TH FLOOR LOADING DIAGRAM
S-671 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a					LIVE LOAD ^{b,c}	REMARKS
	FINISH ¹	BUILT UP	MISC.	MEP + CEILING	PARTITION		
[Pattern]	12	5	40	20	125		
[Pattern]	12	5	40	20	75		
[Pattern]	50	75	5	40	100		
[Pattern]	12	5	40	20	100		

NOTES:
 a. DEAD LOAD IS BASED ON SLAB CONSTRUCTION AND FRAMING SELF-WEIGHT AS INDICATED ON THE CORRESPONDING FLOOR FRAMING.
 b. LIVE LOAD REDUCTION IS CONSIDERED BASED ON NYC BUILDING CODE.
 c. THE MAX. OF THE SPECIFIED LOAD IN THIS SCHEDULE OR SPECIFIED MECH. LOADS AS SHOWN ON DRAWINGS.



4 6TH FLOOR LOADING DIAGRAM
S-671 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a					LIVE LOAD ^{b,c}	REMARKS
	FINISH ¹	BUILT UP	MISC.	MEP + CEILING	PARTITION		
[Pattern]	5	40				150	MEP FLOOR
[Pattern]	5	40				300	MEP FLOOR

NOTES:
 a. DEAD LOAD IS BASED ON SLAB CONSTRUCTION AND FRAMING SELF-WEIGHT AS INDICATED ON THE CORRESPONDING FLOOR FRAMING.
 b. LIVE LOAD REDUCTION IS CONSIDERED BASED ON NYC BUILDING CODE.
 c. THE MAX. OF THE SPECIFIED LOAD IN THIS SCHEDULE OR SPECIFIED MECH. LOADS AS SHOWN ON DRAWINGS.

KEY PLAN

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No.	DESCRIPTION	DATE
1	DOB FILING SET	06-17-2014
2	DESIGN DEVELOPMENT	07-01-2014
3	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
4	STRUCTURAL STEEL BID	09-15-2014
5	STRUCTURAL STEEL BID-ADDENDUM	10-01-2014
6	CD PROGRESS ISSUE 1	10-15-2014
7	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
8	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
9	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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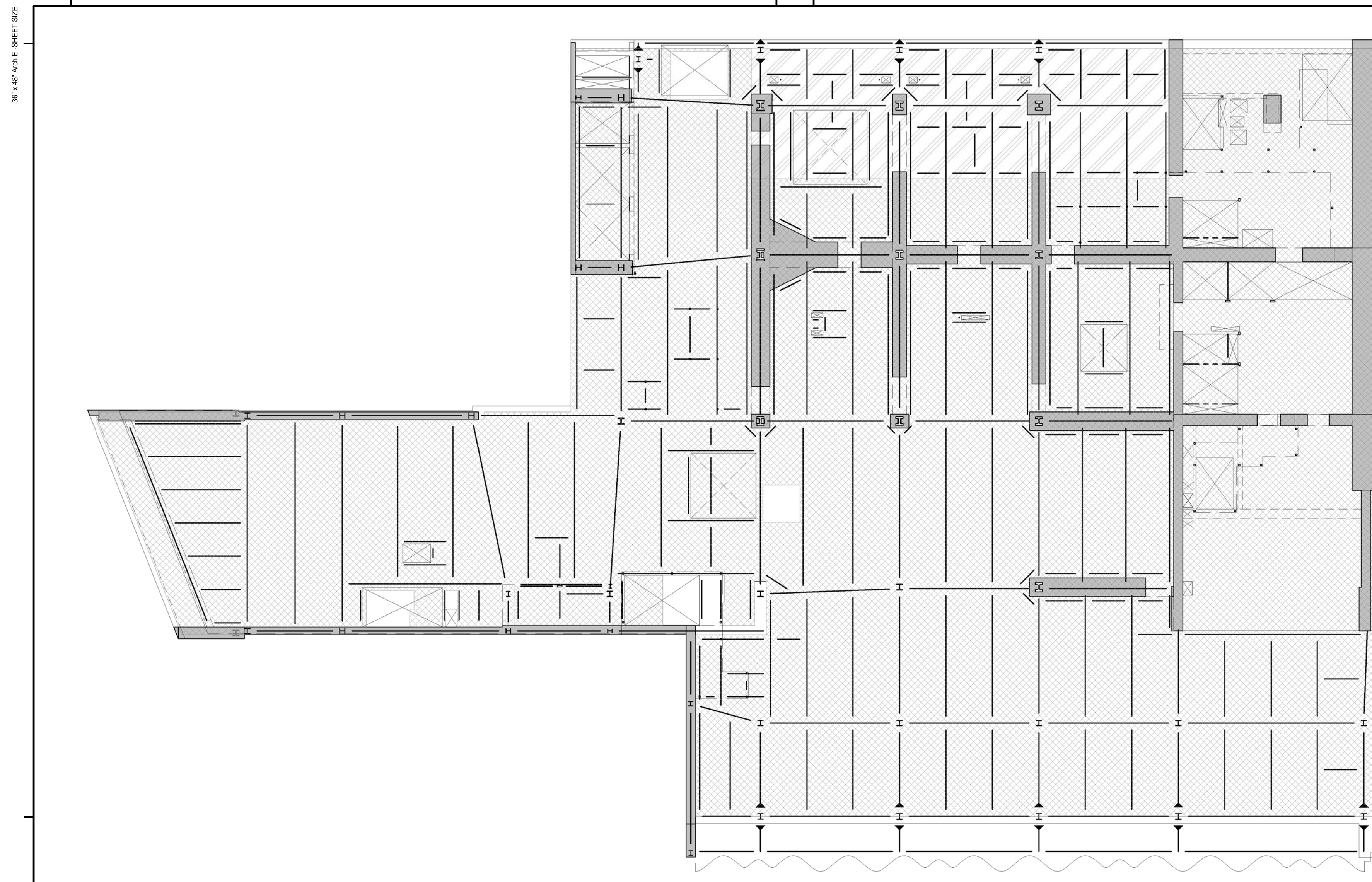
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**217 WEST 57TH STREET
 NEW YORK, NY**

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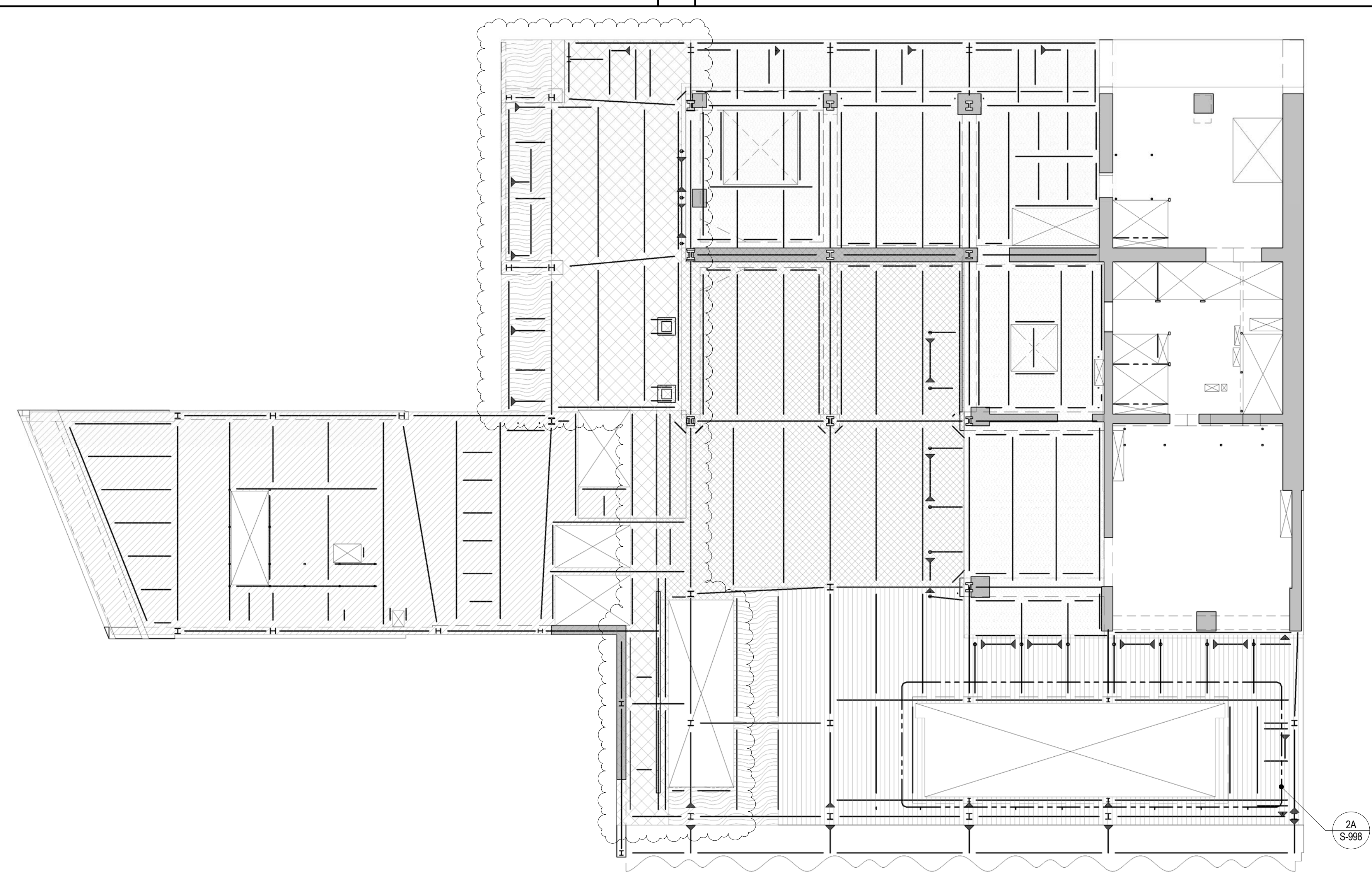
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1 7TH FLOOR LOADING DIAGRAM
 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a				PARTITION (PSF)	LIVE LOAD ^{b,c} [lb/ft ²]	REMARKS
	FINISH/FL ⁵ [lb/ft ²]	BUILT UP [lb/ft ²]	MISC. [lb/ft ²]	MEP + CEILING [lb/ft ²]			
			5	40		150	MEP FLOOR
			5	40		600	SEE TYP. DETAILS FOR ADDL. REINFORCEMENT

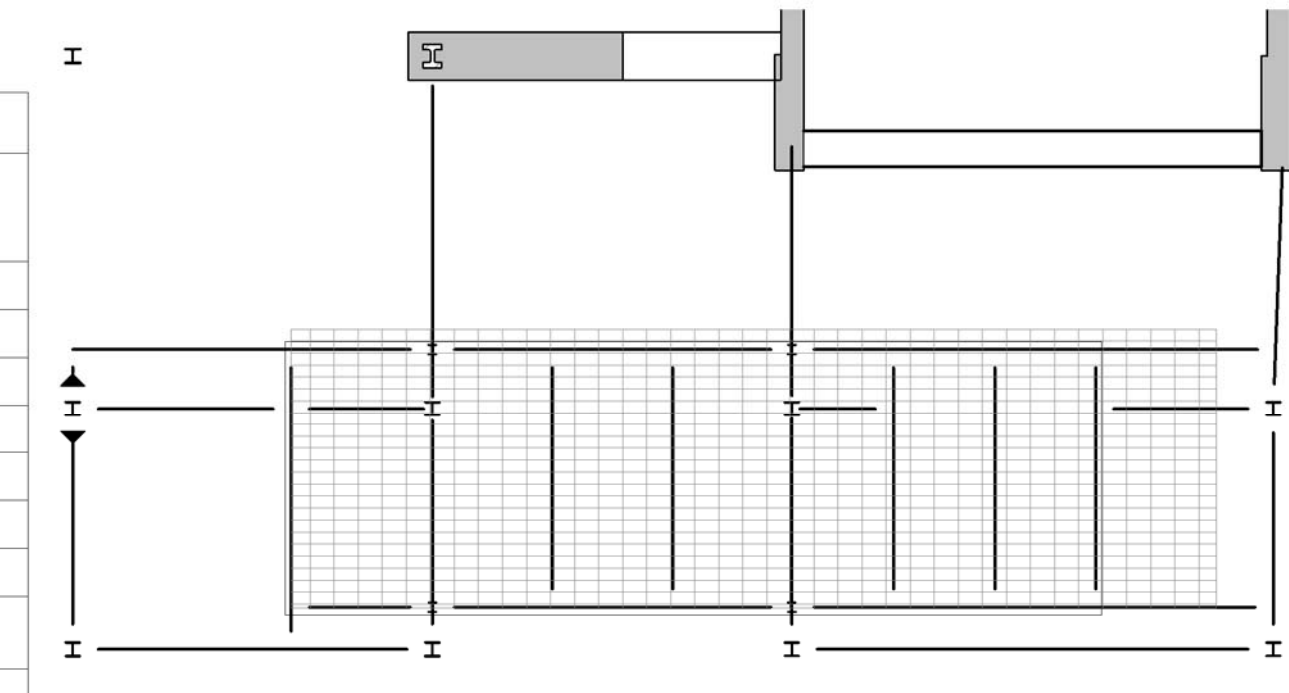
NOTES:
 a. DEAD LOAD IS BASED ON SLAB CONSTRUCTION AND FRAMING SELF-WEIGHT AS INDICATED ON THE CORRESPONDING FLOOR FRAMING.
 b. LIVE LOAD REDUCTION IS CONSIDERED BASED ON NYC BUILDING CODE.
 c. THE MAX. OF THE SPECIFIED LOAD IN THIS SCHEDULE OR SPECIFIED MECH. LOADS AS SHOWN ON DRAWINGS.



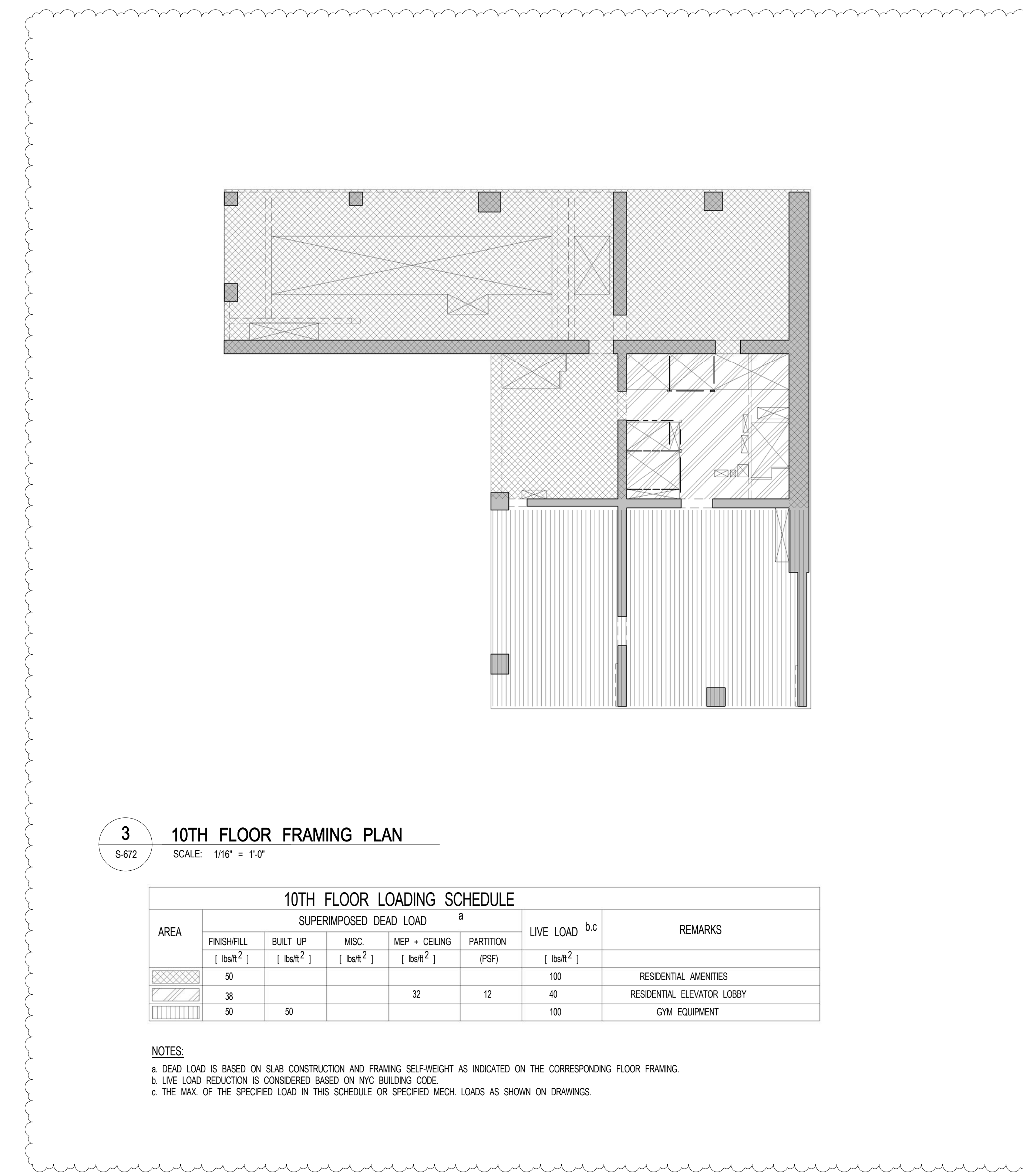
2 8TH FLOOR LOADING DIAGRAM
 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a				PARTITION (PSF)	LIVE LOAD ^{b,c} [lb/ft ²]	REMARKS
	FINISH/FL ⁵ [lb/ft ²]	BUILT UP [lb/ft ²]	MISC. [lb/ft ²]	MEP + CEILING [lb/ft ²]			
	300	(65)	5	50		100	SEE TYPICAL DETAILS FOR ADDL. REINFORCEMENT
	75		5	50		600	SEE TYPICAL DETAILS FOR ADDL. REINFORCEMENT
	50	(65)	5	50		100	SEE TYPICAL DETAILS FOR ADDL. REINFORCEMENT
	400	(65)	5	50		100	SEE TYPICAL DETAILS FOR ADDL. REINFORCEMENT
	50		5	50		150	SEE TYPICAL DETAILS FOR ADDL. REINFORCEMENT
	250	(65)	5	50		300 ^(d)	CONSTRUCTION LOADING SEE TYPICAL DETAILS FOR ADDL. REINFORCEMENT

NOTES:
 a. DEAD LOAD IS BASED ON SLAB CONSTRUCTION AND FRAMING SELF-WEIGHT AS INDICATED ON THE CORRESPONDING FLOOR FRAMING.
 b. LIVE LOAD REDUCTION IS CONSIDERED BASED ON NYC BUILDING CODE.
 c. THE MAX. OF THE SPECIFIED LOAD IN THIS SCHEDULE OR SPECIFIED MECH. LOADS AS SHOWN ON DRAWINGS.
 d. 300PSF IN TABLE IS CONSTRUCTION LIVE LOAD PERMANENT SUPERIMPOSED DEAD LOAD (100PSF) + LIVE LOAD (100PSF) ARE LESS THAN THIS CONSTRUCTION LOAD.
 e. ELEVATED GARDEN LOADING IS NOT RELECTED IN TABLE LOADING IS BASED ON DWG. LA-001 DATED 10/15/2014.



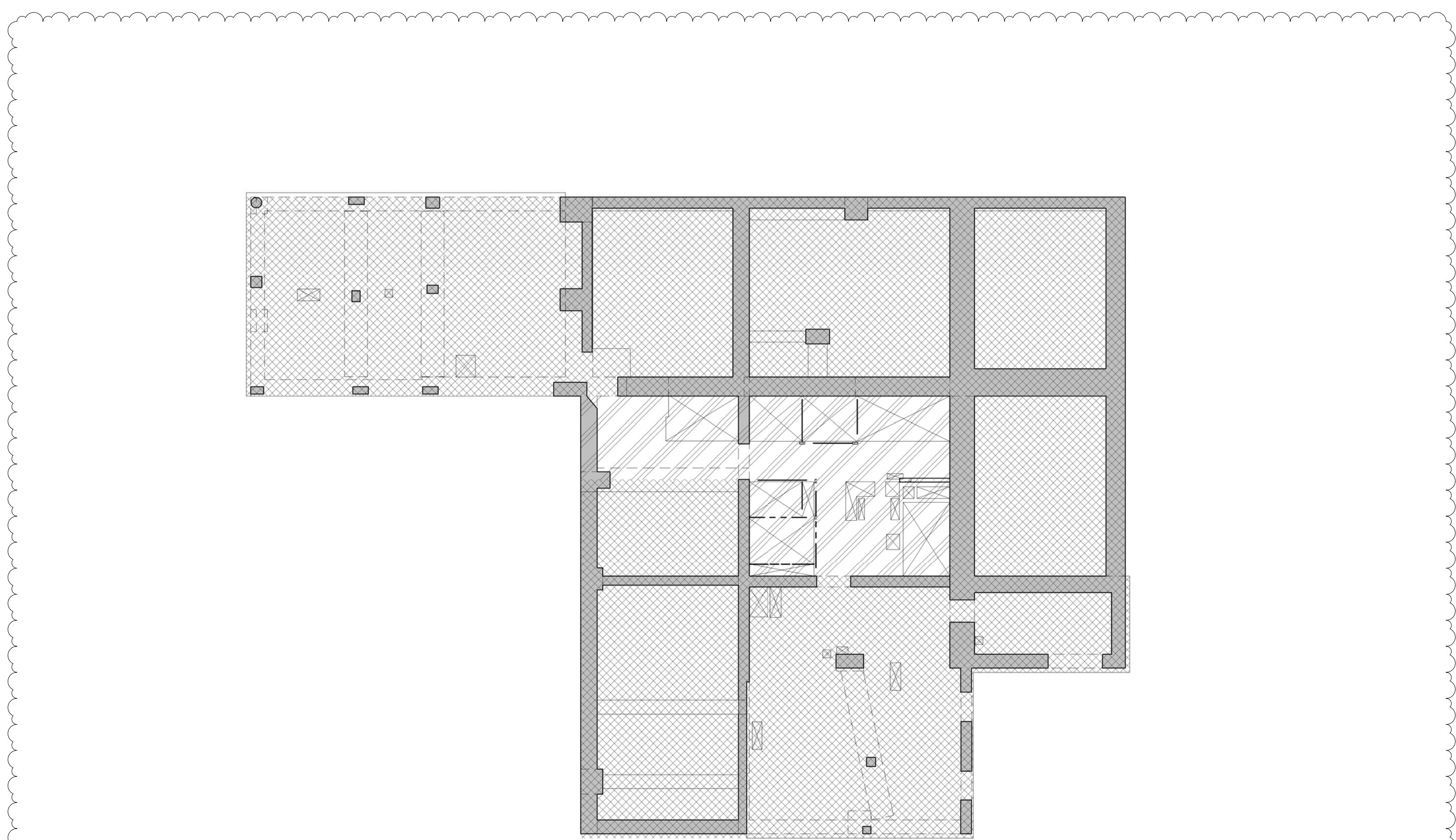
2A POOL FLOOR LOADING DIAGRAM
 SCALE: 1/16" = 1'-0"



3 10TH FLOOR FRAMING PLAN
 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a				PARTITION (PSF)	LIVE LOAD ^{b,c} [lb/ft ²]	REMARKS
	FINISH/FL ⁵ [lb/ft ²]	BUILT UP [lb/ft ²]	MISC. [lb/ft ²]	MEP + CEILING [lb/ft ²]			
	50				100		RESIDENTIAL AMENITIES
	38			32	12	40	RESIDENTIAL ELEVATOR LOBBY
	50	50				100	GYM EQUIPMENT

NOTES:
 a. DEAD LOAD IS BASED ON SLAB CONSTRUCTION AND FRAMING SELF-WEIGHT AS INDICATED ON THE CORRESPONDING FLOOR FRAMING.
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7 12TH FLOOR LOADING PLAN
 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a				PARTITION (PSF)	LIVE LOAD ^{b,c} [lb/ft ²]	REMARKS
	FINISH/FL ⁵ [lb/ft ²]	BUILT UP [lb/ft ²]	MISC. [lb/ft ²]	MEP + CEILING [lb/ft ²]			
	6			50	12	40	RESIDENTIAL
	38			50	12	40	RESIDENTIAL ELEVATOR LOBBY

NOTES:
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KEY PLAN

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8	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
9	DOB SUBMISSION	12-19-2014
10	CD PROGRESS ISSUE-2	12-19-2014
11	ISSUED FOR 8TH FLOOR MILL ORDER- PHASE 1	01-14-2015

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PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:
LOADING DIAGRAMS 3

DATE: 06-17-2014
PROJECT No.: 2012185
DRAWN: CAD
CHK: YE
SCALE: 1/16" = 1'-0"
DWG No.:
S-672.00
DOB PAGE No.: 75 of XXX
DOB S-SCAN:

SEAL & SIGNATURE:

APPENDIX C

217 WEST 57TH STREET

Superstructure Peer Review

Wind Tunnel Report

Preliminary Results of April 2014 Testing - Wind-Induced Structural Responses
EXTELL Project 865 - New York, New York, RWDI Project #1300272
January 29, 2015

The wind loads provided in this report include the effects of directionality in the local wind climate. These loads do not contain safety or load factors and are to be applied to the building's structural system in the same manner as would wind loads calculated by code analytical methods.

Table 2: Summary of Peak Overall Structural Wind Loads
Testing the 1521ft Height Plus Spire - Properties from 2014-12-23_217W57th_v11-48.xlsx

Configuration	Period Case	Damping	My (lb-ft)	Mx (lb-ft)	Mz (lb-ft)	Fx (lb)	Fy (lb)
w/c C1, C2	Base	1.5%	5.09E+09	5.70E+09	6.96E+07	5.15E+06	6.15E+06
		3.0%	4.41E+09	4.99E+09	6.26E+07	4.58E+06	5.56E+06

Notes:

- (1) The above results correspond to the testing of
 - The initial geometry defined in 2014.03.10_3D Model.3dm, issued by AS+GG on March 10, 2014.
 - The extension of the heights of the top floors as detailed in 2014.04.09_865 Stack.xls
- (2) The test configurations are defined as follows:
 - Surroundings Configuration 1 - Existing
 - Surroundings Configuration 2 - Future, with Tower at 220 Central Park
- (3) The above loads are the cumulative summation of the wind-induced loads at the structural level '1' (ie grade), exclusive of load combination factors. The loads are centered about a reference axis located at (210.0 ft, 120.0 ft), for B-1 Gridline Intersection at (238.17 ft, 195.08 ft).
- (4) Total damping ratios of 1.5% and 3.0% of critical were used for structural load calculations, as requested.
- (5) The above loads are based on the structural properties as provided by WSP in 2014-12-23_217W57th_v11-48.xlsx on December 23, 2014. The natural building periods were as follows:
 - Mode 1: 12.67 sec (primarily Y coupled X)
 - Mode 2: 11.60 sec (primarily X coupled with Y)
 - Mode 3: 3.50 sec (primarily torsion).
- (6) The above loads correspond to a 50-year return period basic wind speed (3-second gust) of 98 mph.

Table 3a: Effective Static Floor-by-Floor Wind Loads
Properties from 2014-12-23_217W57th_v11-48.xlsx, 1.5% Damping

Ref. Axis (210.0 ft, 120.0 ft) for B-1 Gridline Intersection (238.17 ft, 195.08 ft)

Table 3b: Effective Static Floor-by-Floor Wind Loads
Properties from 2014-12-23_217W57th_v11-48.xlsx, 3.0% Damping

Ref. Axis (210.0 ft, 120.0 ft) for B-1 Gridline Intersection (238.17 ft, 195.08 ft)

Floor	Height (ft) Above Level '1'	Fx (lb)	Fy (lb)	Mz (lb-ft)
1	0.00	25100	33000	141000
2	25.00	42700	59400	459000
3	42.50	35200	49200	574000
4	60.00	35200	50300	610000
5	77.50	36500	54000	672000
6-MEP	97.00	37000	61400	758000
7-MEP	118.00	38300	65900	837000
8-AMENITY	138.83	37900	76800	908000
9-MEP	162.75	27100	40100	532000
10-AMENITY	178.75	44700	61400	818000
10.5	235.75	71000	100600	1388000
11-MEP	292.75	61800	89900	1128000
12	316.42	32600	49300	634000
13	328.25	19900	30900	463000
14	340.08	18600	29700	475000
15	351.92	19000	30200	494000
16	363.75	19400	30700	513000
17	375.58	20000	31300	538000
18	387.42	20600	32000	566000
19	399.25	24400	37800	677000
20	415.25	27600	43500	777000
21	431.25	20800	38200	603000
22	443.08	18800	33700	563000
23	454.92	19400	34400	588000
24	466.75	20000	35100	613000
25	478.58	20700	35900	642000
26	490.42	24300	42300	754000
27-MEP	506.42	36600	62300	1265000
28	530.42	49700	74200	1128000
29	546.42	24600	31900	448000
30	558.25	22300	28500	416000
31	570.08	22900	29100	426000
32	581.92	23500	29700	436000
33	593.75	24100	30400	446000
34	605.58	24800	31100	457000
35	617.42	25500	31800	469000
36	629.25	26200	32500	481000
37	641.08	27000	33200	493000
38	652.92	27600	34000	504000
39	664.75	28400	34700	515000
40	676.58	29100	35500	527000
41	688.42	29900	36400	538000
42	700.25	30700	37100	549000
43	712.08	31500	37900	559000

Floor	Height (ft) Above Level '1'	Fx (lb)	Fy (lb)	Mz (lb-ft)
1	0.00	25100	34400	194000
2	25.00	42700	62100	625000
3	42.50	35100	52600	770000
4	60.00	35100	53900	796000
5	77.50	36500	57700	854000
6-MEP	97.00	37000	65300	918000
7-MEP	118.00	38300	69600	987000
8-AMENITY	138.83	38400	80400	1045000
9-MEP	162.75	27900	41200	619000
10-AMENITY	178.75	47300	63800	968000
10.5	235.75	76100	104200	1594000
11-MEP	292.75	63000	90000	1266000
12	316.42	31900	48300	682000
13	328.25	19900	30800	484000
14	340.08	18900	29900	492000
15	351.92	19300	30400	505000
16	363.75	19700	30800	519000
17	375.58	20200	31400	537000
18	387.42	20700	31900	557000
19	399.25	24400	37700	664000
20	415.25	27700	43500	758000
21	431.25	20400	38200	575000
22	443.08	18200	33500	525000
23	454.92	18600	34000	542000
24	466.75	19200	34600	560000
25	478.58	19700	35300	581000
26	490.42	23100	41600	682000
27-MEP	506.42	34500	60900	1106000
28	530.42	44400	69600	1003000
29	546.42	23600	30400	403000
30	558.25	21100	26800	368000
31	570.08	21500	27400	375000
32	581.92	22000	27900	382000
33	593.75	22500	28400	389000
34	605.58	23000	29000	397000
35	617.42	23600	29600	405000
36	629.25	24100	30100	414000
37	641.08	24700	30700	422000
38	652.92	25200	31300	431000
39	664.75	25800	31900	438000
40	676.58	26400	32500	446000
41	688.42	27000	33100	454000
42	700.25	27600	33800	462000
43	712.08	28200	34400	470000

44	723.92	32300	38800	573000
45	735.75	37400	45100	659000
46-MEP	751.75	53900	64700	1009000
47	775.75	74600	82800	864000
48	788.58	35000	42500	563000
49	801.42	35900	43300	571000
50	814.25	36700	44100	577000
51	827.08	37500	45000	583000
52	839.92	38300	45900	591000
53	852.75	39200	46800	598000
54	865.58	40100	47700	606000
55	878.42	41000	48600	614000
56	891.25	41900	49600	623000
57	904.08	42800	50500	631000
58	916.92	43700	51500	638000
59	929.75	44700	52500	646000
60	942.58	45700	53500	653000
61	955.42	46800	54600	663000
62	968.25	47600	55500	668000
63	981.08	48600	56500	675000
64	993.92	49600	57500	682000
65	1006.75	50800	58800	695000
66	1019.58	56500	65400	773000
67-MEP	1035.58	91600	106300	1369000
68	1067.58	138000	150700	1259000
69	1083.58	55800	66500	702000
70	1099.58	58500	68200	736000
71	1112.42	55600	63900	672000
72	1125.25	56500	64900	675000
73	1138.08	57400	65900	682000
74	1150.92	58500	67000	688000
75	1163.75	59500	68000	694000
76	1176.58	60500	69000	700000
77	1189.42	61500	70000	707000
78	1202.25	62500	71100	713000
79	1215.08	63600	72200	719000
80	1227.92	64700	73300	725000
81	1240.75	65900	74500	731000
82	1253.58	66700	75300	735000
83	1266.42	67100	75900	735000
84	1279.25	67900	76700	737000
85	1292.08	68900	77700	741000
86	1304.92	70000	78800	747000
87	1317.75	71200	80000	753000
88	1330.58	77300	87400	824000
89	1346.67	82300	93800	880000
90	1362.67	76500	88300	803000

44	723.92	28900	35100	480000
45	735.75	33600	41000	554000
46-MEP	751.75	48500	58700	838000
47	775.75	63300	71300	722000
48	788.58	31500	38600	480000
49	801.42	32200	39300	485000
50	814.25	32800	39900	490000
51	827.08	33500	40600	494000
52	839.92	34100	41300	500000
53	852.75	34800	42000	505000
54	865.58	35400	42700	511000
55	878.42	36100	43400	516000
56	891.25	36900	44200	523000
57	904.08	37600	45000	528000
58	916.92	38300	45800	534000
59	929.75	39100	46500	539000
60	942.58	39800	47300	545000
61	955.42	40700	48200	552000
62	968.25	41400	48900	555000
63	981.08	42100	49700	560000
64	993.92	42900	50500	566000
65	1006.75	43800	51500	574000
66	1019.58	48800	57500	640000
67-MEP	1035.58	79500	93600	1121000
68	1067.58	114000	126900	1044000
69	1083.58	49200	59400	602000
70	1099.58	50400	59800	614000
71	1112.42	47800	55700	560000
72	1125.25	48300	56500	562000
73	1138.08	49100	57300	567000
74	1150.92	49900	58100	571000
75	1163.75	50700	58900	576000
76	1176.58	51500	59700	580000
77	1189.42	52300	60500	584000
78	1202.25	53100	61400	589000
79	1215.08	54000	62300	594000
80	1227.92	54800	63200	598000
81	1240.75	55600	64000	602000
82	1253.58	56200	64700	605000
83	1266.42	56700	65100	605000
84	1279.25	57300	65800	607000
85	1292.08	58100	66600	610000
86	1304.92	58900	67500	614000
87	1317.75	59800	68400	618000
88	1330.58	65300	75100	680000
89	1346.67	69900	81000	730000
90	1362.67	65600	76900	676000

91	1378.67	159800	167800	1541000
92	1394.67	137600	140300	1193000
93-EMR	1412.67	115200	116500	847000
94-DAMP	1428.67	204100	201900	1434000
95	1450.33	103700	107300	837000
95-MEZZ	1472.00	82500	87200	705000
96-ROOF	1493.67	175700	146400	1169000
TOP	1521.83	191000	184800	577000
Total		5.15E+06	6.15E+06	6.96E+07

Notes:

- (1) The loads given in this table should be used with the load combination factors given in Table 4.
- (2) The loads given in this table are centered about the reference axis defined in the title.
- (3) The above loads correspond to a 50-year return period basic wind speed (3-second gust) of 98 mph.

91	1378.67	127700	136600	1196000
92	1394.67	111700	114100	934000
93-EMR	1412.67	95200	95700	684000
94-DAMP	1428.67	162500	160800	1108000
95	1450.33	89300	91400	702000
95-MEZZ	1472.00	73600	76400	610000
96-ROOF	1493.67	144500	117600	932000
TOP	1521.83	198800	178600	540000
Total		4.58E+06	5.56E+06	6.26E+07

Notes:

- (1) The loads given in this table should be used with the load combination factors given in Table 4.
- (2) The loads given in this table are centered about the reference axis defined in the title.
- (3) The above loads correspond to a 50-year return period basic wind speed (3-second gust) of 98 mph.

**Table 4: Recommended Wind Load Combination Factors
Factor for Simultaneous Application of Loads in Tables 3a and 3b**

Load Case	X Forces (Fx)	Y Forces (Fy)	Torsion (Mz)
-----------	---------------	---------------	--------------

1	+100%	+45%	+30%
2	+100%	+45%	-35%
3	+100%	-30%	+30%
4	+100%	-30%	-35%
5	-100%	+30%	+60%
6	-100%	+30%	-30%
7	-100%	-50%	+60%
8	-100%	-50%	-30%
9	+60%	+85%	+60%
10	+60%	+85%	-30%
11	+30%	-100%	+30%
12	+30%	-100%	-50%
13	-35%	+85%	+60%
14	-35%	+85%	-30%
15	-45%	-100%	+30%
16	-45%	-100%	-50%
17	+30%	+40%	+95%
18	+35%	+30%	-100%
19	+30%	-55%	+95%
20	+35%	-65%	-100%
21	-65%	+40%	+95%
22	-35%	+30%	-100%
23	-65%	-55%	+95%
24	-35%	-65%	-100%

Note:

- (1) Load combination factors have been produced through consideration of the structure's response to various wind directions, modal coupling, correlation of wind gusts and the directionality of strong winds in the local wind climate.

ABBREVIATIONS:

Table listing abbreviations for various construction materials and components, such as AB ANCHOR BOLT, ACI AMERICAN CONCRETE INSTITUTE, etc.

GENERAL NOTES:

- 1. ALL WORK TO BE PERFORMED IN COMPLIANCE WITH THE 2009 NEW YORK CITY BUILDING CODE, LATEST EDITION AND ALL SUPPLEMENTS.
2. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD AND BE RESPONSIBLE FOR ACCURATE COORDINATION WHERE POSSIBLE. EXISTING FRAMING DIMENSIONS...

FOUNDATION NOTES:

- 1. ALL FOOTINGS AND SHEAR WALL MAT FOUNDATION SHALL BEAR ON ROCK WITH A SAFE BEARING CAPACITY OF 80 TONS PER SQ. FT. AS RECOMMENDED IN LAGAN ENGINEERING'S GEOTECHNICAL REPORT DATED FEBRUARY 22, 2013. SEE FOOTING SCHEDULE ON DRAWING F-100.

SUPERSTRUCTURE CONCRETE NOTES:

- A. CONCRETE
1. ALL CONCRETE SHALL BE NORMAL WEIGHT CONTROLLED CONCRETE, UO.N., AND COMPLY WITH THE A.C.I. BUILDING CODE AND THE CURRENT NEW YORK CITY BUILDING CODE.
2. CONCRETE STRENGTH SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:
SLABS AND BEAMS UO.N. PLANS 10000 PSI TO 27TH FLOOR
8000 PSI 28TH TO 87TH FLOOR
7200 PSI 88TH TO 90TH FLOOR
SEE COLUMN SCHEDULE

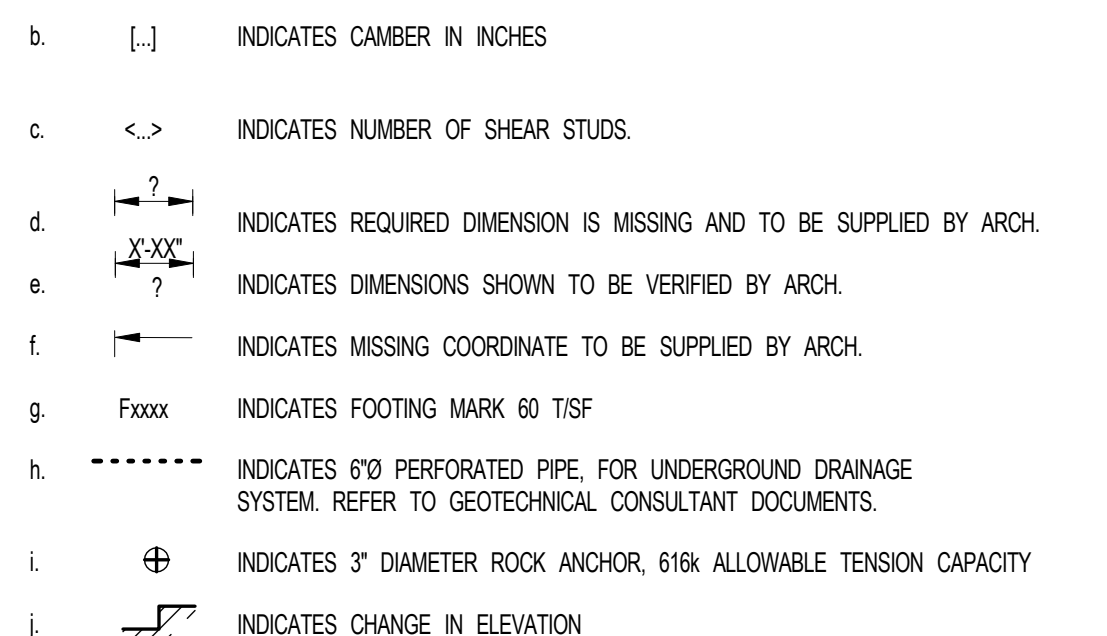
STRUCTURAL STEEL NOTES:

- 1. STRUCTURAL STEEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE AND ALL APPLICABLE AND REFERENCED SPECIFICATIONS AND ASFD FOR PLATES HAVING A MINIMUM YIELD OF 50,000 PSI UO.N.
2. ALL STRUCTURAL RECTANGULAR AND SQUARE HSS TO BE A601 OR B (Fy = 46ksi) STRUCTURAL HSS TO BE A501 OR B (Fy = 46ksi) STRUCTURAL CHANNELS TO BE A36 (Fy = 36ksi) ANCHOR BOLTS TO BE F1554 GR 50 WELDABLE (Fy = 55ksi) STRUCTURAL ANGLES TO BE A36 (Fy = 36ksi) UO.N.

C.M.U. MASONRY NOTES:

- A. MASONRY
1. SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR COMPLETE REQUIREMENTS FOR CMU MASONRY CONSTRUCTION AND APPEARANCE. DETAILS AND NOTES SHOWN ON THE STRUCTURAL DRAWINGS ARE INTENDED TO SUPPLEMENT ARCHITECTURAL REQUIREMENTS AND TO DEFINE ELEMENTS WHICH PROVIDE STRUCTURAL STRENGTH AND STABILITY.

LEGEND:



CONTROLLED INSPECTIONS table with columns for Termination Frequency, Current Code References, Previous Terminology, and Controlled Inspection details.

NON-STRUCTURAL ITEMS SHOWN ON THE STRUCTURAL FOUNDATION DRAWINGS:

- FOUNDATION MEMBERS & WATERPROOFING, DAMPROOFING SYSTEMS
- WALL AND INTERIOR DRAINAGE SYSTEM INCLUDING SUMP PITS, FPMG GRAVEL, CLEANOUTS, ETC.
- ROCK ANCHORS
- CASSIONS AND PILES, INCLUDING REINFORCEMENT
- ROCK CONTOURS

REINFORCEMENT:

- 1. ALL STEEL REINFORCEMENT (STRUPTS AND TIES INCLUDING) SHALL HAVE AN ULTIMATE TENSILE STRENGTH OF 80,000 PSI AS PER A.S.T.M. A575 GRADE 60 UO.N. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL THE CHAIRS, REBAR, TIES, SPACERS, ETC. TO SECURE AND SUPPORT THE REINFORCEMENT AS SHOWN ON DETAILS.
2. ALL #11 REINFORCEMENT SHALL BE ASTM A618 GR. 75 (Fy=81 ksi).

STEEL DECK NOTES:

- 1. STEEL DECK SHALL CONFORM TO THE CURRENT SPECIFICATIONS FOR THE DESIGN OF LIGHT GAUGE COLD FORMED STEEL STRUCTURAL MEMBERS AS PER THE AISC LATEST EDITION AND STEEL DECK INSTITUTE SPECIFICATIONS AND STANDARDS.
2. DECK SHALL BE ANCHORED BY WELDING THROUGH THE BOTTOM OF THE DECK TO STRUCTURAL STEEL AT MAXIMUM SPACING OF 12" WITH MINIMUM BEARING ON END LAP OF 2".

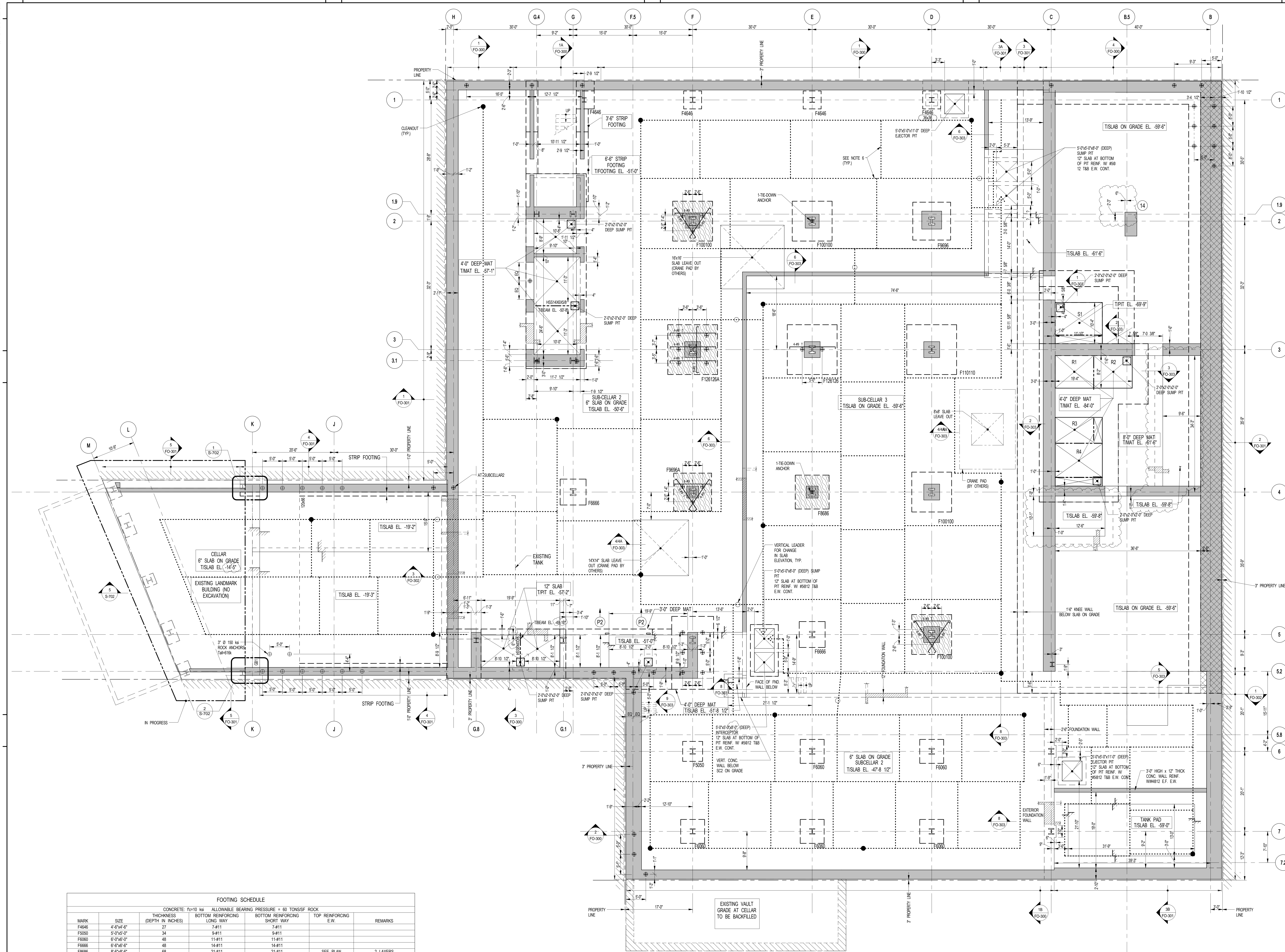
D. SEISMIC AND WIND CRITERIA:

- 1. THE STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE 2009 NEW YORK CITY BUILDING CODE AND ALL APPLICABLE AND REFERENCED SPECIFICATIONS AND ASFD FOR PLATES HAVING A MINIMUM YIELD OF 50,000 PSI UO.N.
2. ALL STRUCTURAL RECTANGULAR AND SQUARE HSS TO BE A601 OR B (Fy = 46ksi) STRUCTURAL CHANNELS TO BE A36 (Fy = 36ksi) ANCHOR BOLTS TO BE F1554 GR 50 WELDABLE (Fy = 55ksi) STRUCTURAL ANGLES TO BE A36 (Fy = 36ksi) UO.N.

Project information block including developer (ETELL DEVELOPMENT COMPANY), architect (AJL ARCHITECTS, P.C.), interior designer (Rotet Architecture and Design Studio, PLLC), architect of record (Rotet Architecture and Design Studio, PLLC), structural engineer (WSP), MEP engineers (AOK Group), geotechnical engineers (Lagan Engineering & Environmental Services), code consultants (Constellation Consulting Associates), and a detailed schedule of construction activities.

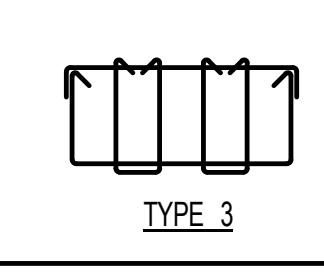
- * THESE TESTS MUST BE PERFORMED BY A LICENSED CONCRETE TESTING LAB.
NOTES:
1. REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION ON SCOPE AND DETAILED REQUIREMENTS FOR INSPECTIONS.
2. ALL SPECIAL INSPECTIONS SHALL BE PERFORMED UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW YORK.

Table with columns for Date, Project No., Drawn, Cadd, Rev, and other project details.



FOOTING SCHEDULE						
MARK	SIZE	CONCRETE: 10' TO 14' THICKNESS		ALLOWABLE BEARING PRESSURE = 80 TONS/SQ FT ROCK		REMARKS
		DEPTH IN INCHES	BOTTOM REINFORCING LONG WAY	BOTTOM REINFORCING SHORT WAY	TOP REINFORCING E.W.	
F4646	4'-6" x 4'-6"	27	7#11	7#11		
F5000	5'-0" x 5'-0"	34	9#11	9#11		
F6000	6'-0" x 6'-0"	48	11#11	11#11		
F6666	6'-6" x 6'-6"	48	14#11	14#11		
F8888	8'-6" x 8'-6"	88	21#11	21#11	SEE PLAN	2 LAYERS
F9666	9'-6" x 9'-6"	62	2x13#11	2x13#11	SEE PLAN	2 LAYERS
F9996A	9'-6" x 9'-6"	68	2x13#11	2x13#11	SEE PLAN	2 LAYERS
F100100	10'-0" x 10'-0"	72	2x14#11	2x14#11	SEE PLAN	2 LAYERS
F110110	11'-0" x 11'-0"	72	2x15#11	2x15#11	SEE PLAN	2 LAYERS
F126126	12'-6" x 12'-6"	90	2x21#11	2x21#11	SEE PLAN	2 LAYERS
F126126A	12'-6" x 12'-6"	96	2x23#11	2x23#11	SEE PLAN	2 LAYERS

GRADE BEAM SCHEDULE								
BEAM MARK	SIZE		REINFORCEMENT		STIRRUPS	REMARKS	TYPE	SPACING
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS				
GB1	120	66	22#11	11#4	3		1	12"



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

- NOTES:**
- FOR TOP OF SLAB ELEVATION SEE PLAN. PROJECT (0'-0") = 79.38' ABOVE MANHATTAN DATUM.
 - SLAB ON GRADE TO BE 6" THICK REINF. WITH #5@12 IN. U.O.N. ON PLAN.
 - TOP OF FOOTING TO BE 1'-0" BELOW TOP OF SLAB U.O.N. ON PLAN.
 - ROCK AT NEW FOUNDATION WALLS SHALL BE STABILIZED PER RECOMMENDATION OF GEOTECHNICAL ENGINEER.
 - PROVIDE CONCRETE IN FOOTING TO MATCH VERTICAL WALL REIN. OR VERTICAL WALL REIN. (WHICHEVER SHOWN ON PLAN) REFIN. (TYP.)
 - COORDINATE PERFORATED PIPE DRAINAGE AND SUMP PITS WITH ARCH. & MECH. DRAWINGS FOR TYPICAL DRAIN DETAILS SEE F0000 SERIES DRAWINGS.
 - FOR UNDERGROUND PLUMBING SEE ARCHITECTURAL DRAWINGS.
 - FOR GENERAL NOTES AND LEGEND SEE F0001.
 - FOR TYPICAL DETAILS SEE F0000 SERIES DRAWINGS.
 - FOR FOUNDATION SECTIONS SEE F0300 SERIES DRAWINGS.
 - FOR SHOWER/DETAILS SEE S400 SERIES DRAWINGS.
 - FOR COLUMN SIZES AND DETAILS SEE S400 SERIES DRAWINGS.
 - FOR STAR LOCATIONS SEE ARCH. DRAWINGS.
 - INDICATES 100 TON BEARING CAPACITY.
 - INDICATES 75 TON BEARING CAPACITY.
 - OUTSIDE FACE OF FOUNDATION WALL SHALL BE WITHIN BUILDING PROPERTY LINE.
 - CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS.
 - DIVIDER BEAMS TO BE PROVIDED BY ELEVATOR CONTRACTOR.

KEY PLAN

PROJECT NORTH

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

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

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

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

STRUCTURAL ENGINEER: WSP
228 EAST 45th Street
New York, NY 10017 USA
TEL: 212 687 9888 FAX: 646 487 5001

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

GEOTECHNICAL ENGINEERS: Langan Engineering & Environmental Services
21 Penn Plaza 360 West 37th Street, 9th Floor
New York, NY 10001-2272
TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS: Construction Consulting Associates
100 Church Street
New York, NY 10007
TEL: 212 385 5818 FAX: 212 385 1911

CURTAINWALL CONSULTANT: AJP Consulting
40 Worth Street, Suite 826
New York, NY 10013
TEL: 212 757 8659 FAX: 646 219 8508

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

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

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

ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT: WSP
228 East 45th Street
New York, NY 10017
(212) 687-9888
www.wspgroup.com/usca

PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE: FOUNDATION (SUB-CELLAR 3) PLAN

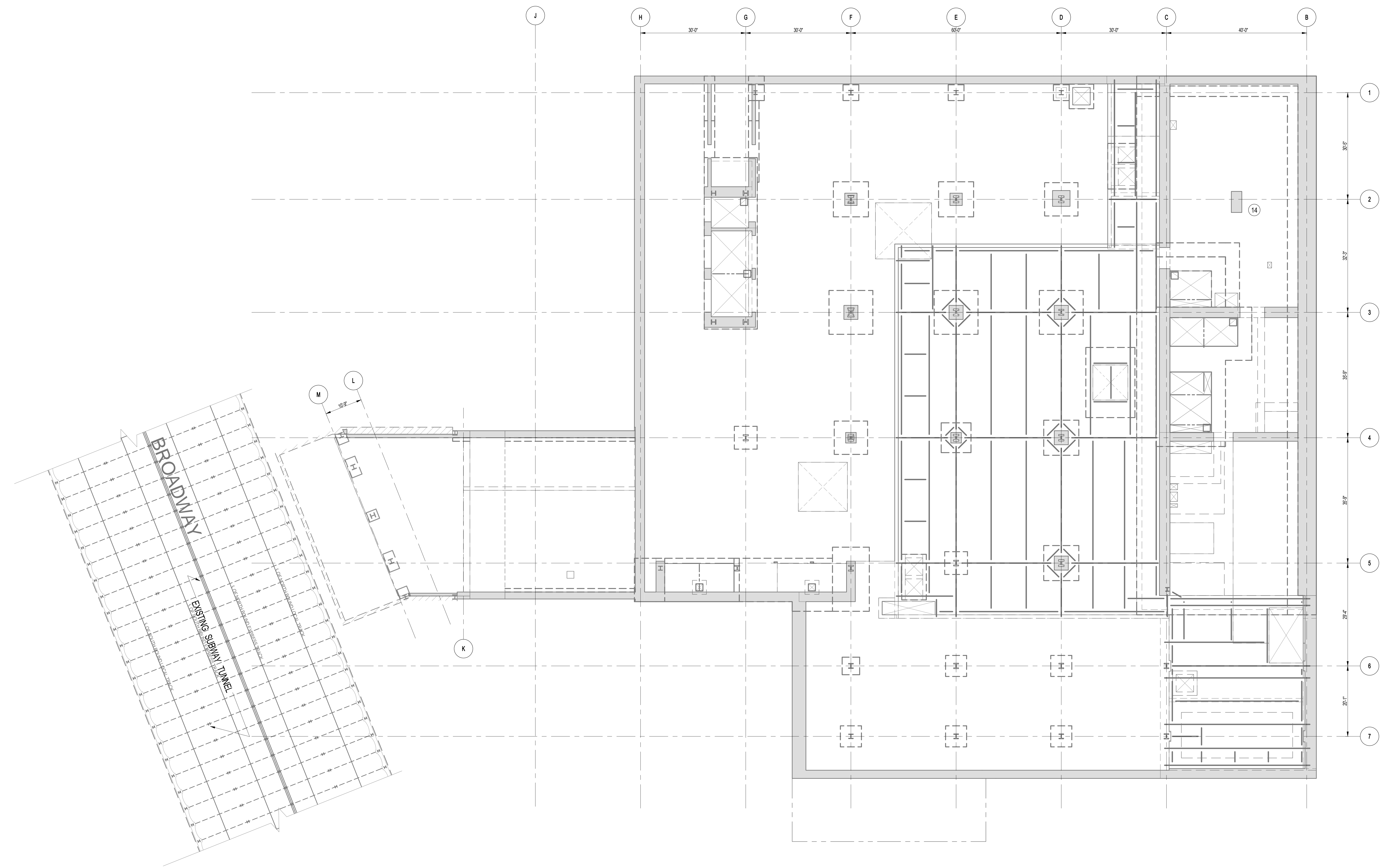
DATE: 03-31-2014
PROJECT No.: 2012185
DRAWN: CAD
CHK: YE
SCALE: 1/8" = 1'-0"
DWG No.: **FO-100.02**
DOB EMPLOYEE STAMP: DOB PAGE No: 3 of 300 DOB S-SCAN:

SEE REFERENCE SHEET SIZE

PLANNING AND DESIGN SERVICES INC.

WEST 58TH. STREET

WEST 57TH. STREET



1 SITE KEY PLAN
 SCALE: 3/32" = 1'-0"
 DATE: 03-31-2014
 FOR BALANCE OF INFORMATION SEE DWG. FO-100

KEY PLAN

PROJECT NORTH

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

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

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

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

STRUCTURAL ENGINEERS:
WSP
 228 EAST 45th Street
 New York, NY 10017 USA
 TEL: 212 687 9888 FAX: 646 487 5001

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

GEOTECHNICAL ENGINEERS:
Langan Engineering & Environmental Services
 21 Penn Plaza - 360 West 37th Street, 9th Floor
 New York, NY 10001-2727
 TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS:
Construction Consulting Associates
 100 Church Street
 New York, NY 10007
 TEL: 212 385 5818 FAX: 212 385 1911

CURTAINWALL CONSULTANT:
AJLP Consulting
 40 Worth Street, Suite 828
 New York, NY 10013
 TEL: 212 757 6659 FAX: 646 219 8508

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

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

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

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

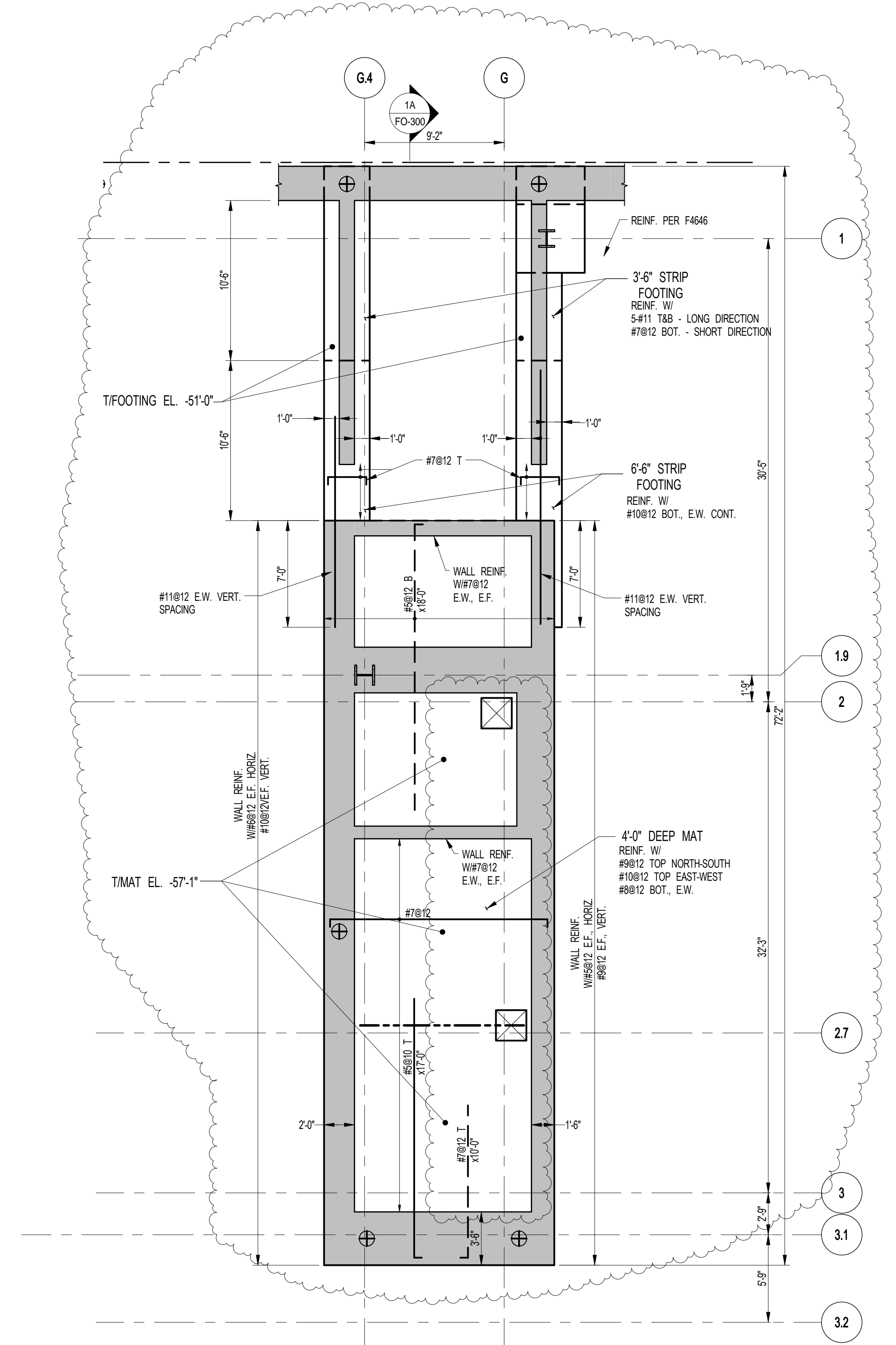
PROJECT:
217 WEST 57TH STREET
 NEW YORK, NY

DRAWING TITLE:
 SITE KEY PLAN

DATE:	03-31-2014
PROJECT No:	2012185
DRAWN: CAD	REV:
CHK: YE	10
SCALE: 3/32" = 1'-0"	
DWG No:	
DOB PAGE No:	4 of 100
DOB S-SCAN:	

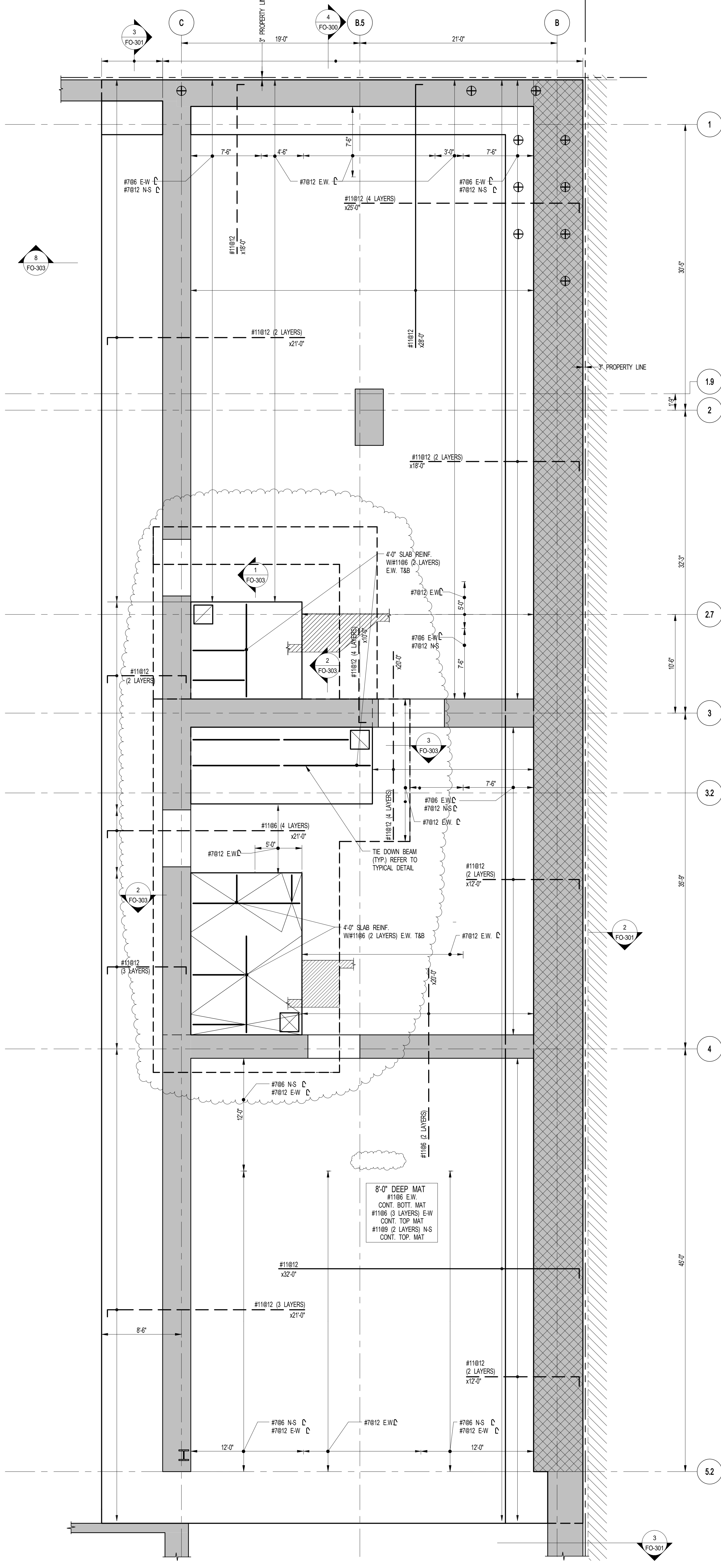
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DOB EMPLOYEE STAMP:



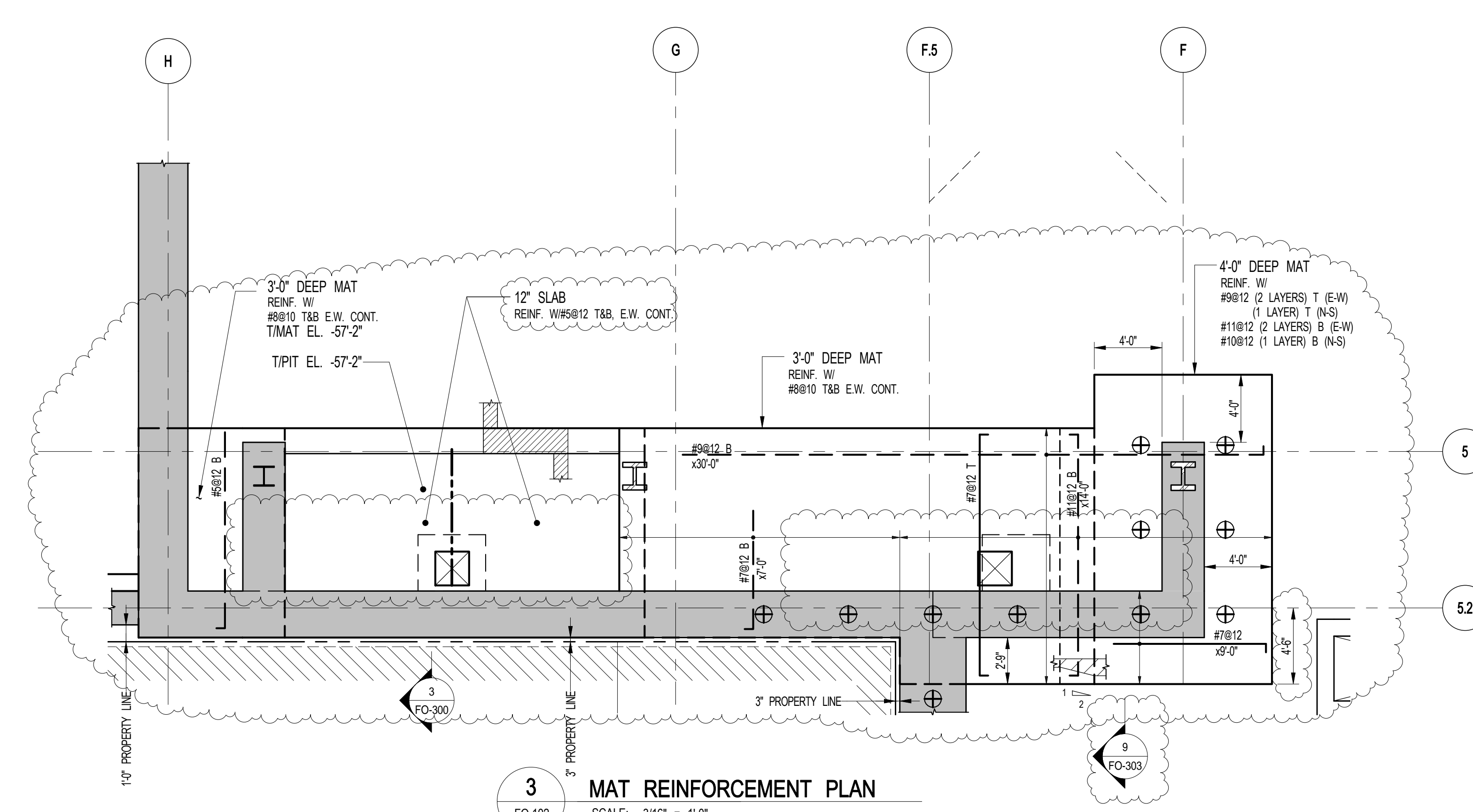
1 MAT REINFORCEMENT PLAN
FO-102 SCALE: 3/16" = 1'-0"

- NOTES:**
1. ALL #11 BARS TO BE ASTM A615 GR15.
 2. ALL #11 STEEL TO BE COORDINATED WITH ELEVATOR CONTRACTOR.
 3. BEARING CAPACITY TO BE 60 TSF.
 4. WALL REINFORCEMENT IS ADDITIONAL TO REINFORCEMENT SHOWN ON S-400.



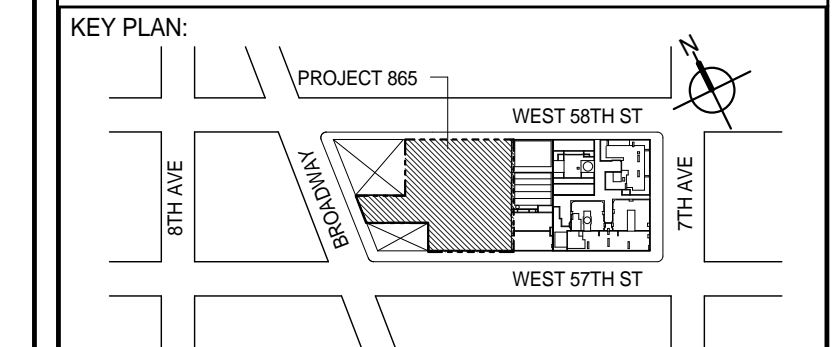
2 MAT REINFORCEMENT PLAN
FO-102 SCALE: 3/16" = 1'-0"

- NOTES:**
1. ALL #11 BARS TO BE ASTM A615 GR15.
 2. ALL #11 STEEL TO BE COORDINATED WITH ELEVATOR CONTRACTOR.
 3. INDICATES 10 TON BEARING CAPACITY. BEARING CAPACITY AT ALL OTHER LOCATIONS TO BE 60 TSF.



3 MAT REINFORCEMENT PLAN
FO-102 SCALE: 3/16" = 1'-0"

- NOTES:**
1. ALL #11 BARS TO BE ASTM A615 GR15.
 2. ALL #11 STEEL TO BE COORDINATED WITH ELEVATOR CONTRACTOR.
 3. BEARING CAPACITY TO BE 60 TSF.



PROJECT NORTH TRUE NORTH

DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 THIRD AVENUE, 7TH FLOOR
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TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT: Base Building Shell & Core
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TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS:
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21 Penn Plaza - 360 West 37th Street, 9th Floor
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CODE CONSULTANTS:
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LANDMARK/PRESERVATION CONSULTANT:
Jan Hind Pokorny Associates, Inc.
39 West 37th Street, 12A
NEW YORK, NY 10018
TEL: 212 759 6462 FAX: 212 759 6540

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

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ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

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(212) 687-9888
www.wspgroup.com/us

PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:
MAT REINFORCEMENT PLAN

DATE: 03-31-2014
PROJECT No.: 2012185
DRAWN: CADDO REV: 14
CHK: YE
SCALE: As indicated
DWG No.: **FO-102.01**
DOB PAGE No.: 5 of 100
DOB S-SCAN:

DOB EMPLOYEE STAMP: DOB S-SCAN:

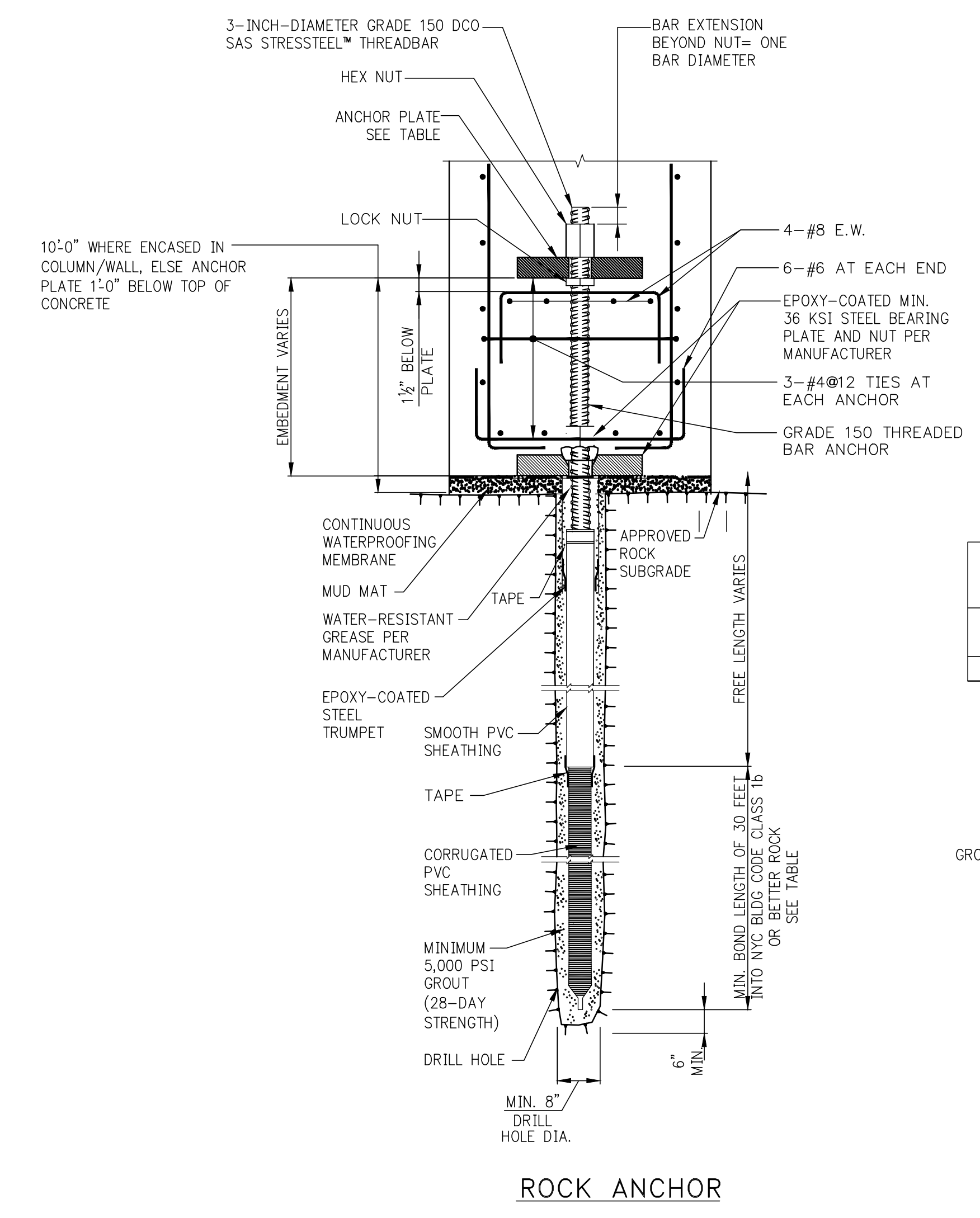
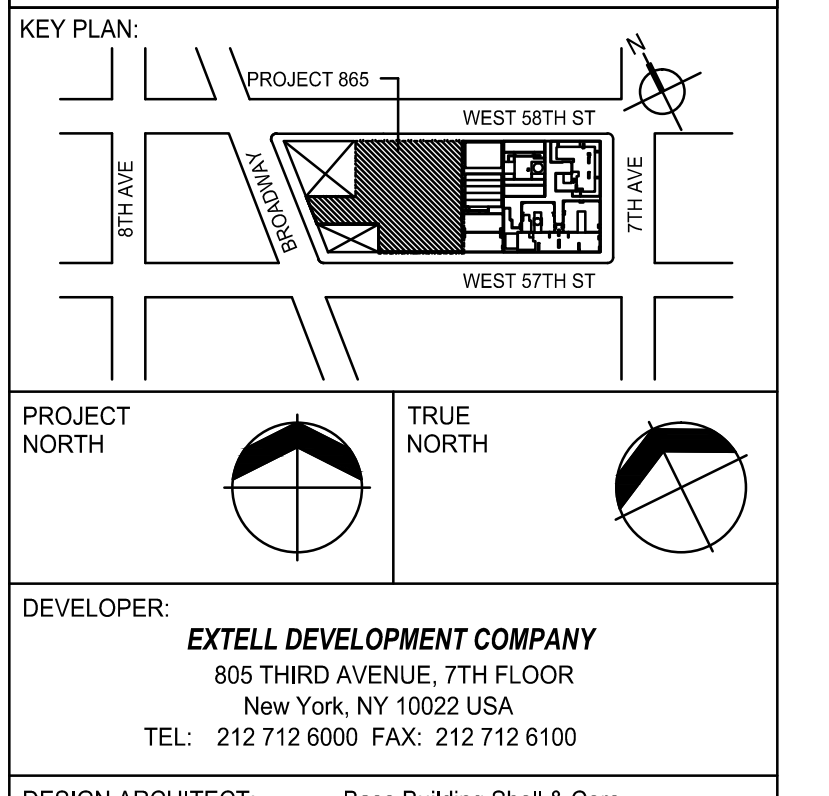
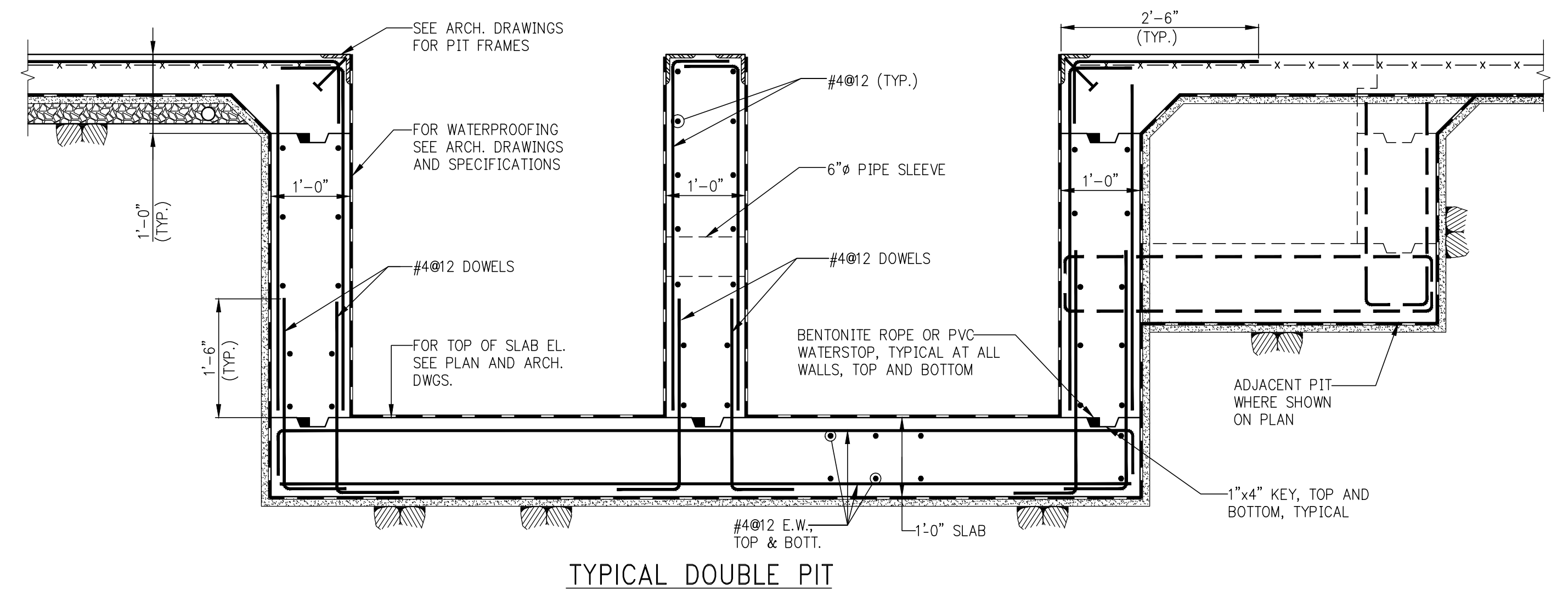
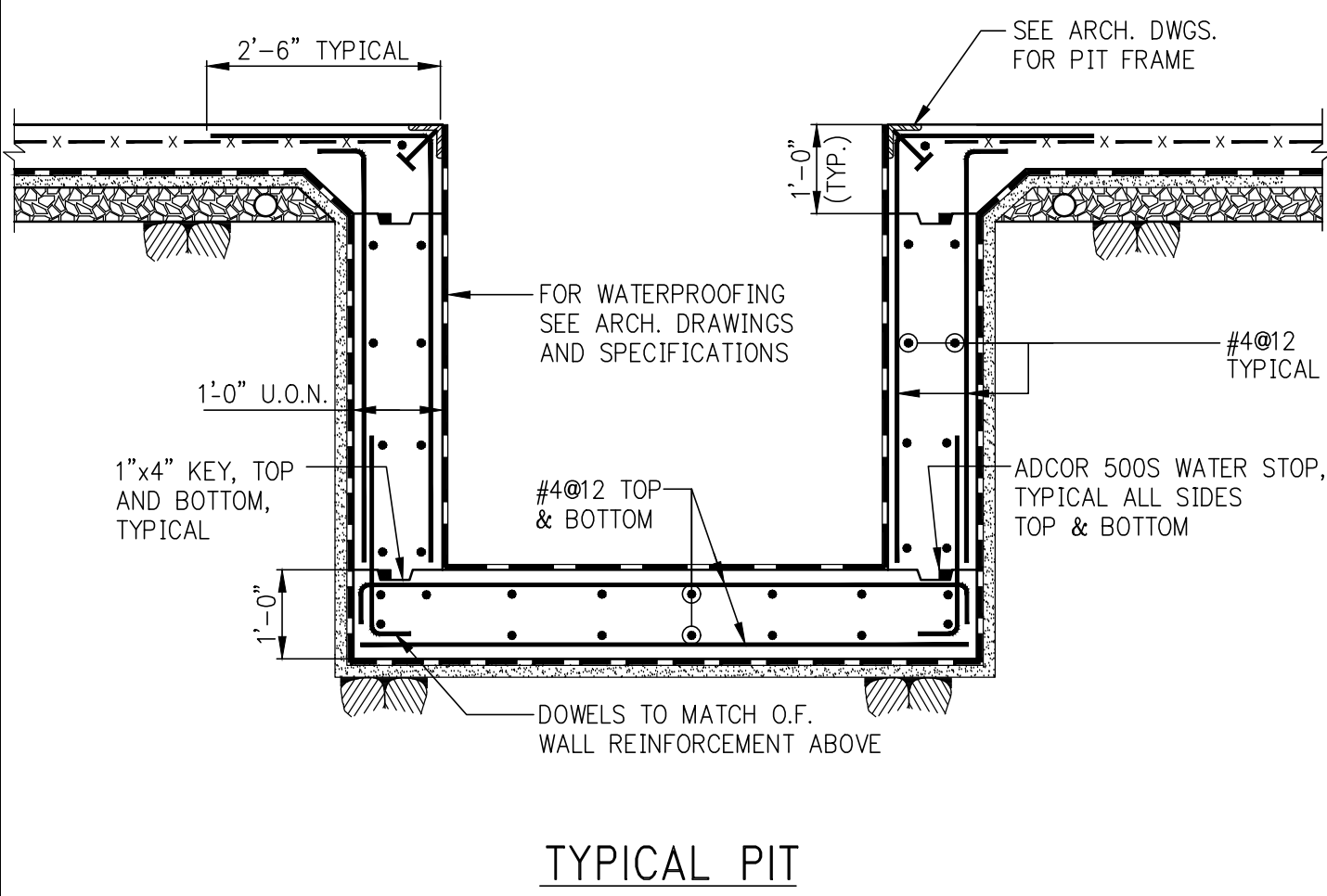
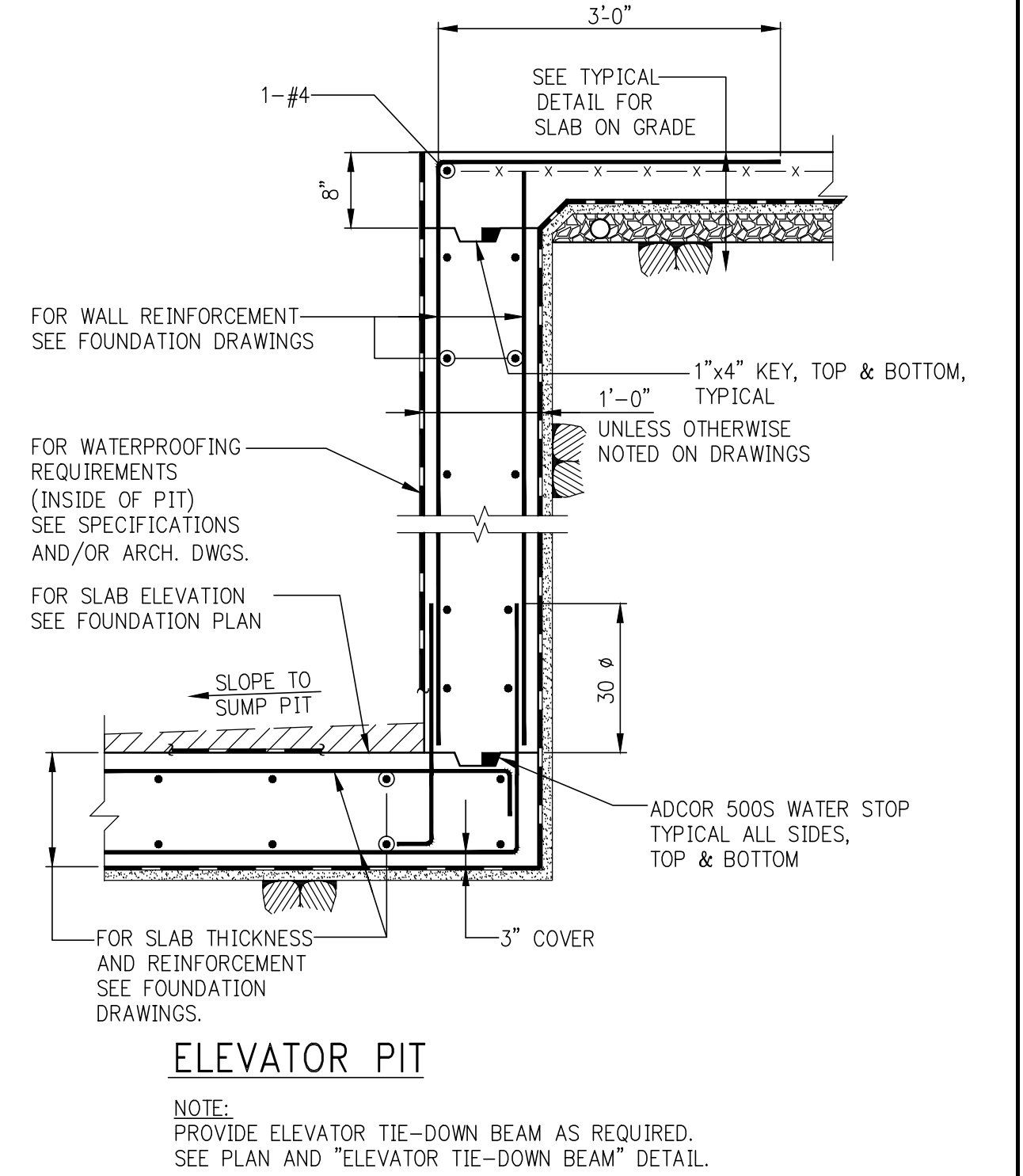
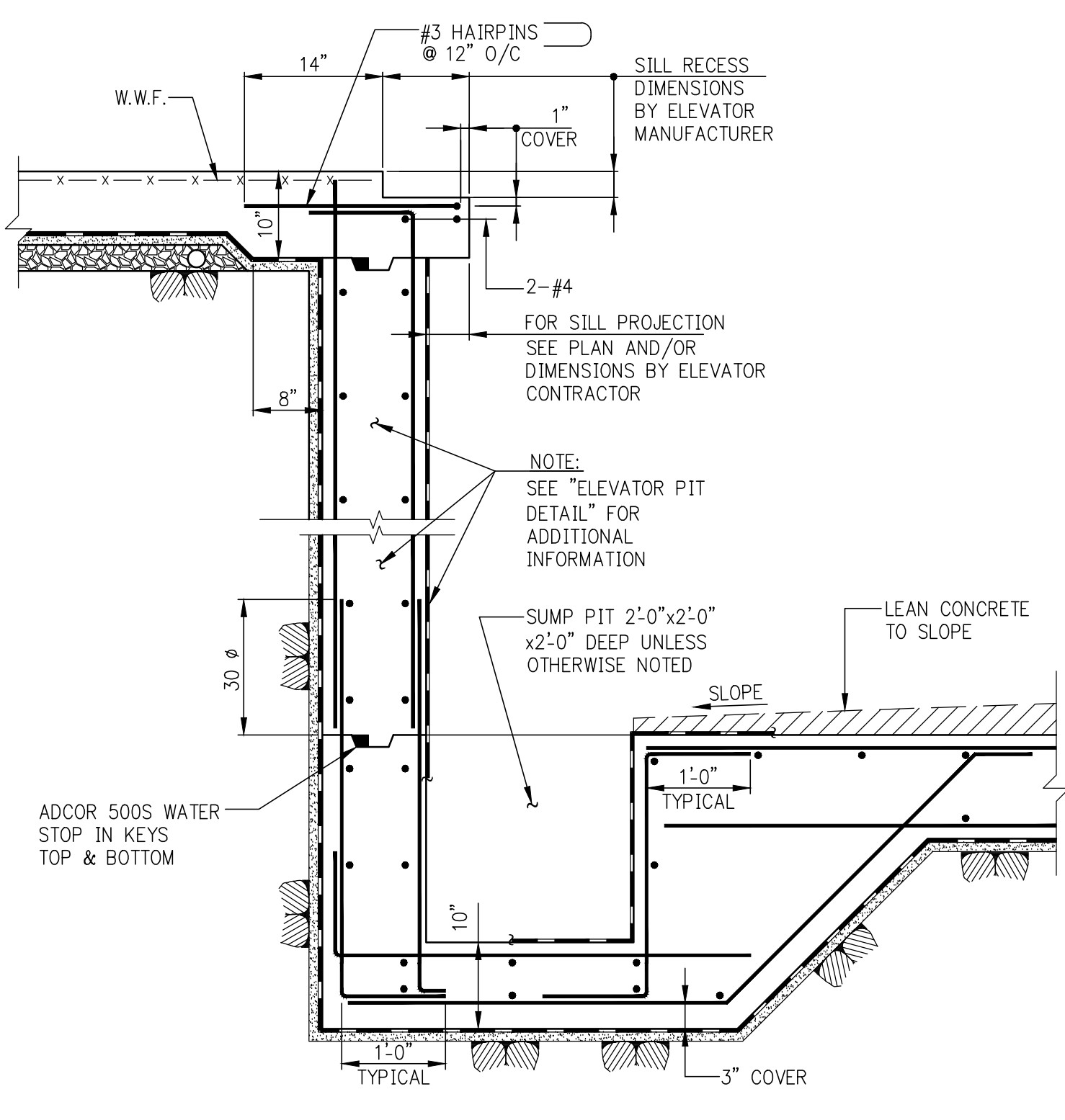
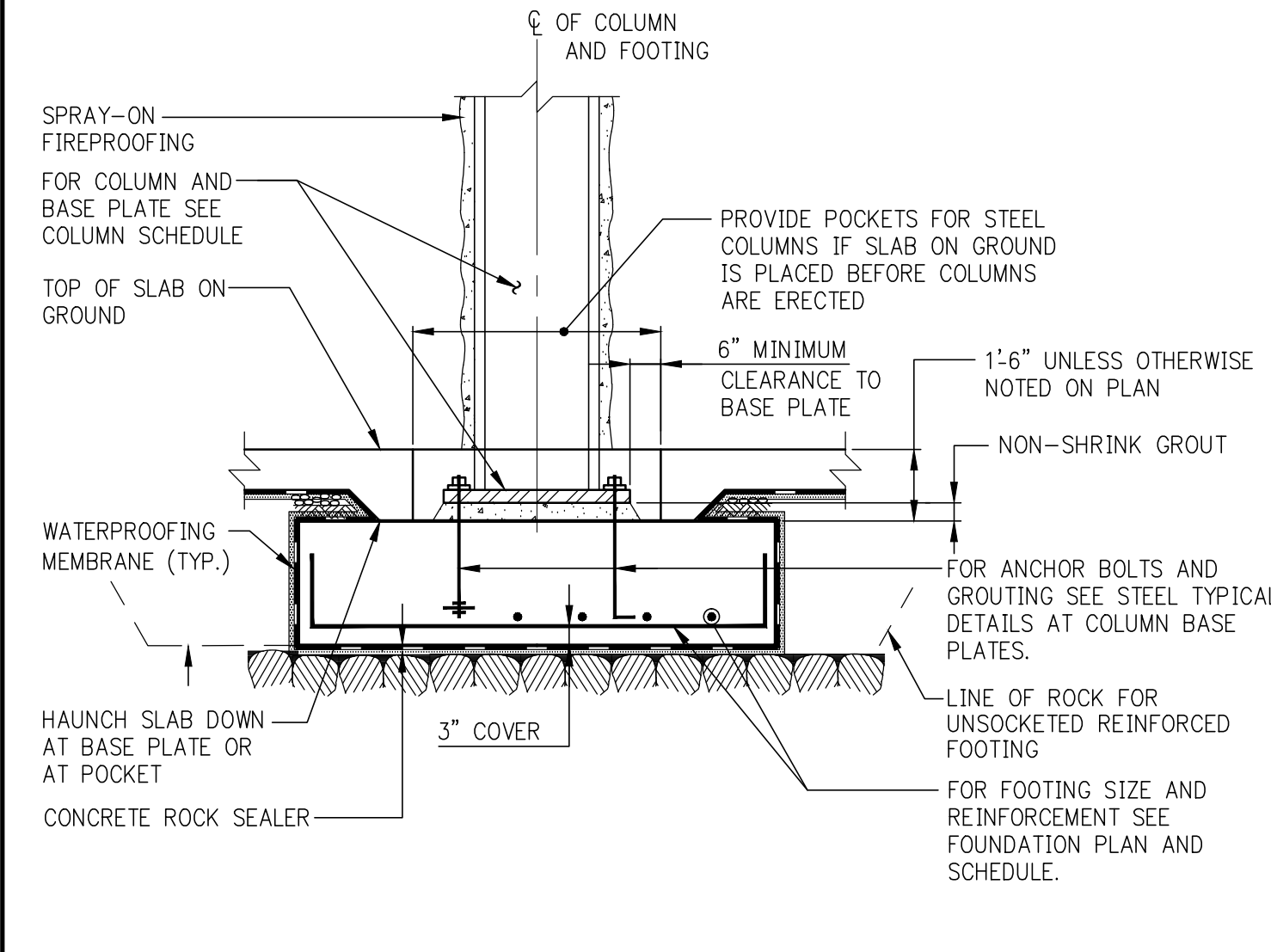
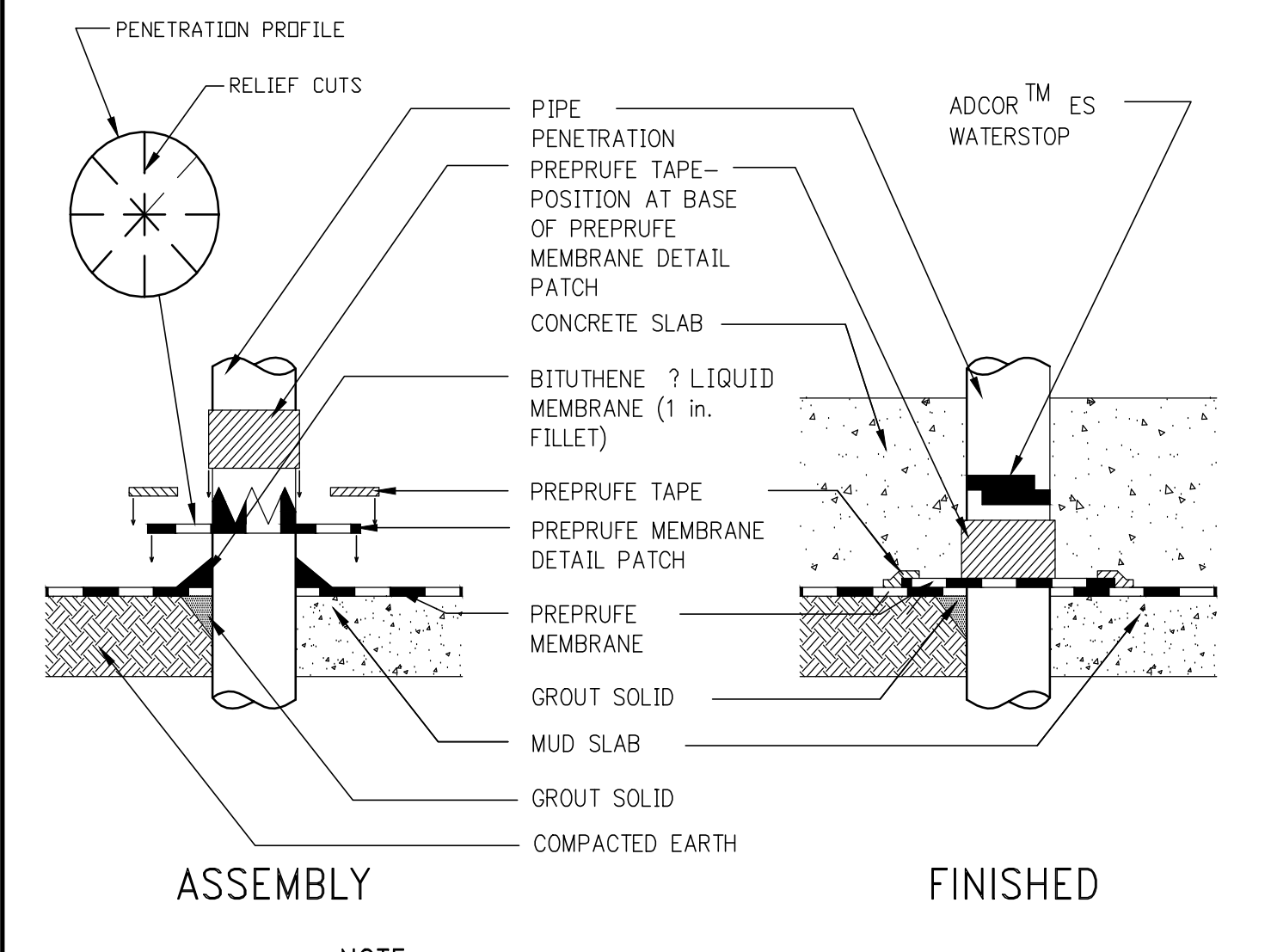
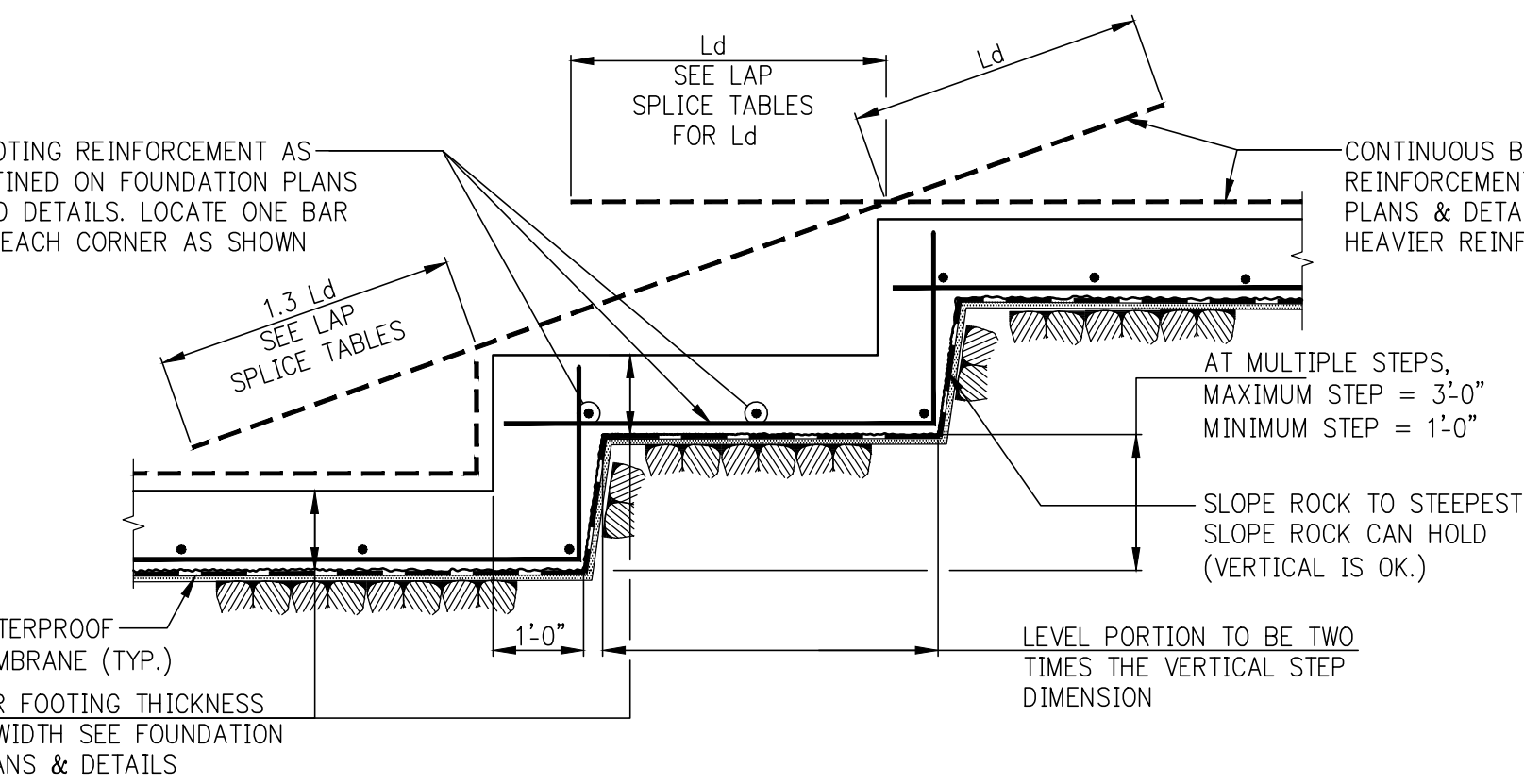
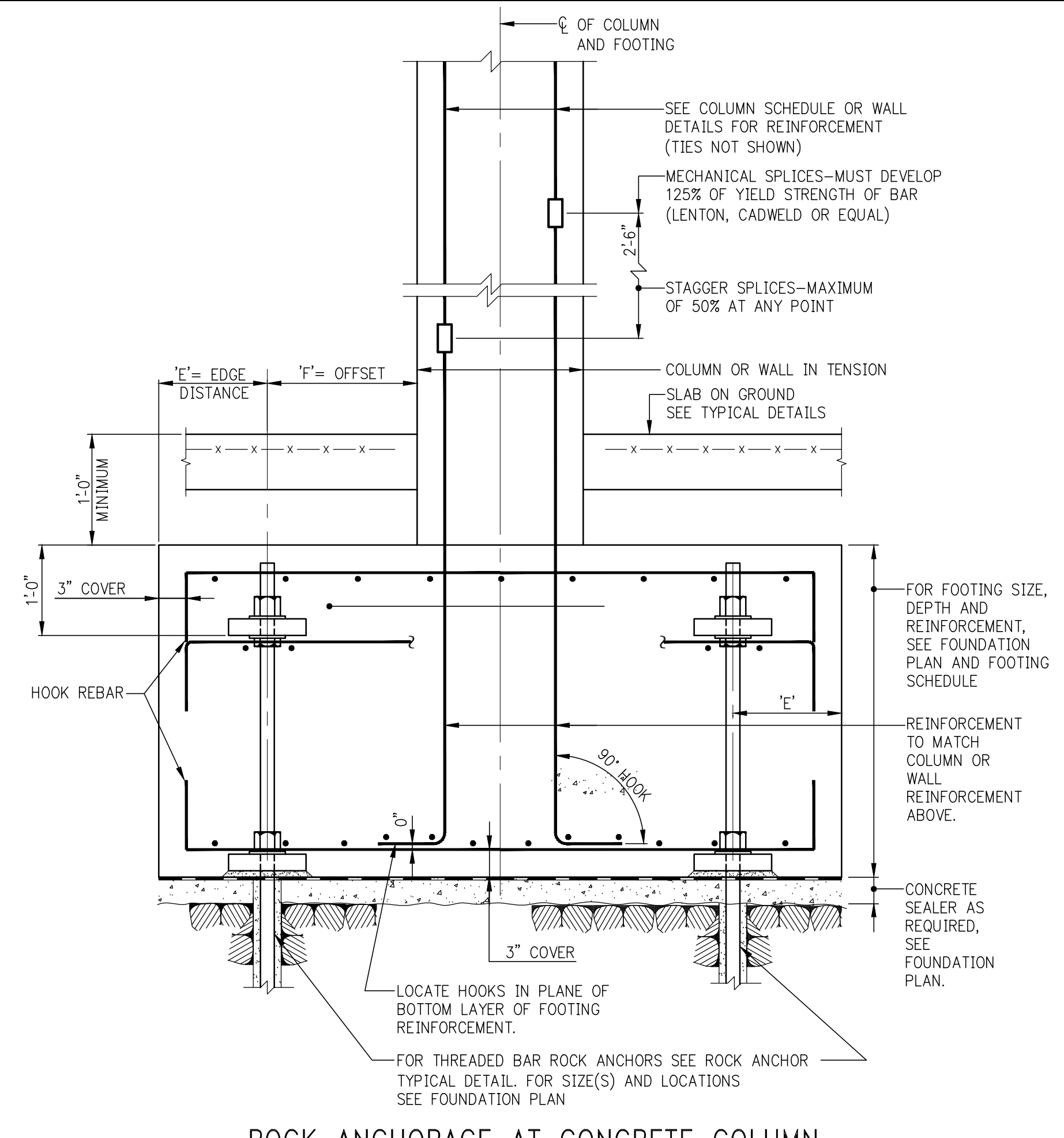


TABLE FOR DOUBLE CORROSION PROTECTION ROCK ANCHORS

THREADED BAR DIAMETER	DESIGN LOAD (KIPS)	ANCHOR PLATE (F _y =50 KSI)	MINIMUM DRILL HOLE DIAMETER (SEE NOTE 1)	MINIMUM FREE LENGTH	MINIMUM EMBEDMENT IN FOOTING 'h'	MAXIMUM OFFSET 'f' OR 'g' (SEE NOTE 2)	MINIMUM EDGE DISTANCE 'e' (SEE NOTE 2)
1"	6.5k	12"x12"x4"	8"	40'-0"	5'-0"	2'-0"	2'-0"

NOTES FOR CORROSION PROTECTION:
 1. MINIMUM DRILL HOLE DIAMETER ASSUMES COUPLERS ARE NOT REQUIRED. HOLE DIAMETER MAY INCREASE DUE TO USE OF COUPLERS OR ROCK CONDITION.
 2. DIMENSIONS E, F, AND G NOT APPLICABLE AT WALLS. SEE "ROCK ANCHOR AT WALL" FOR REQUIREMENTS.



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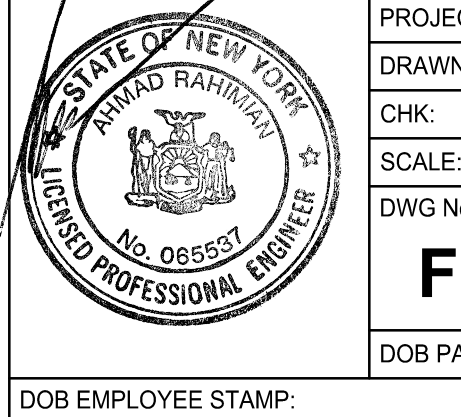
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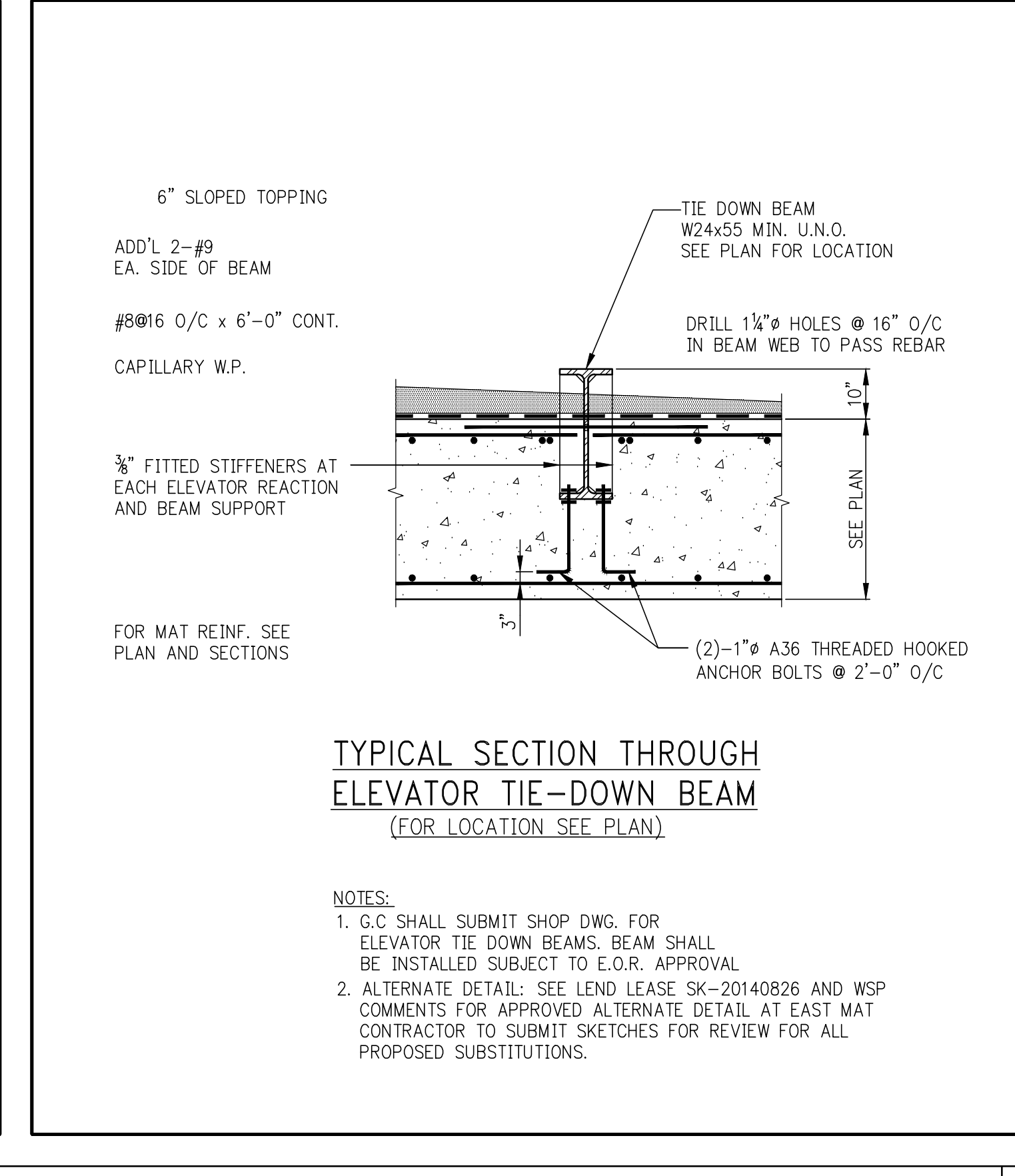
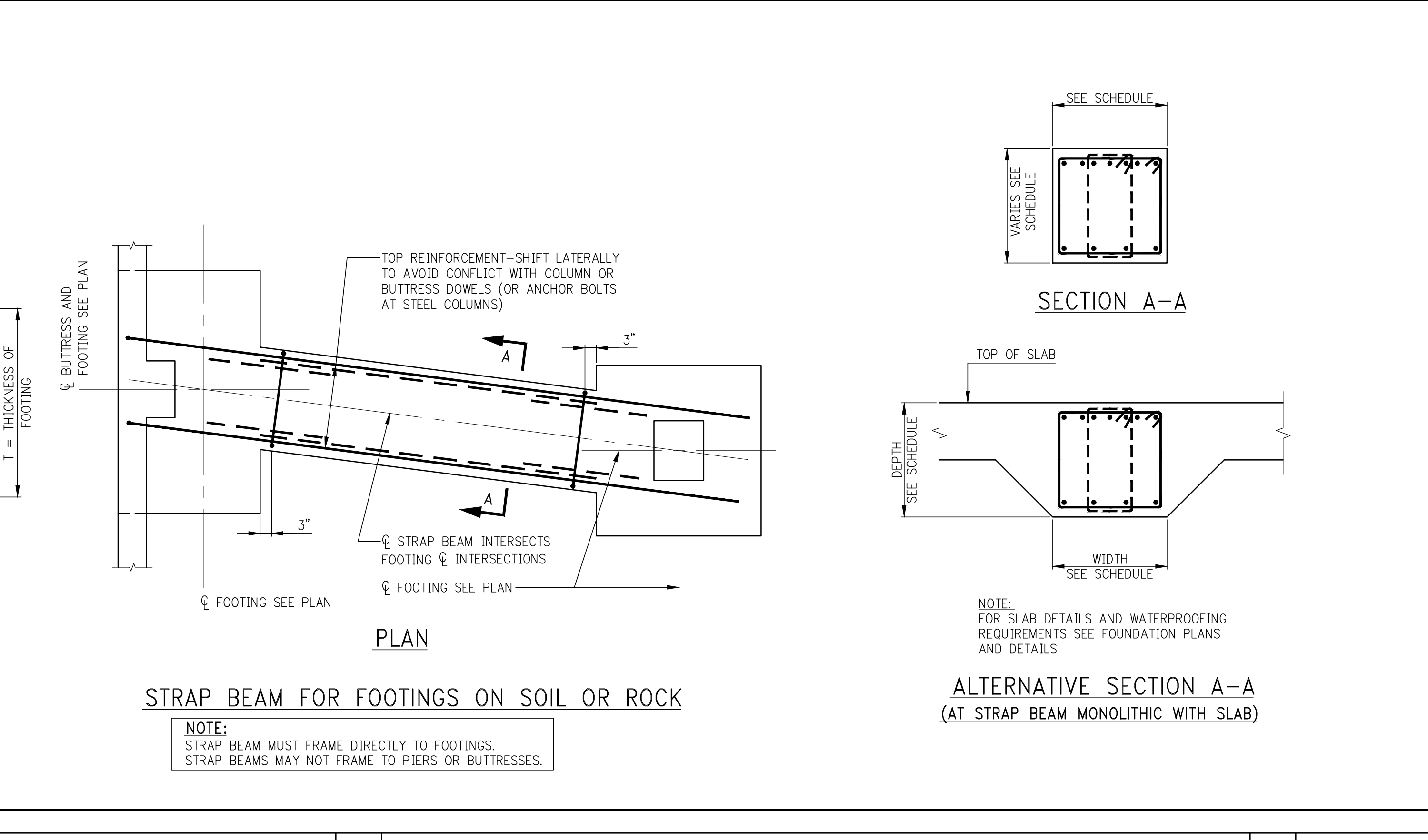
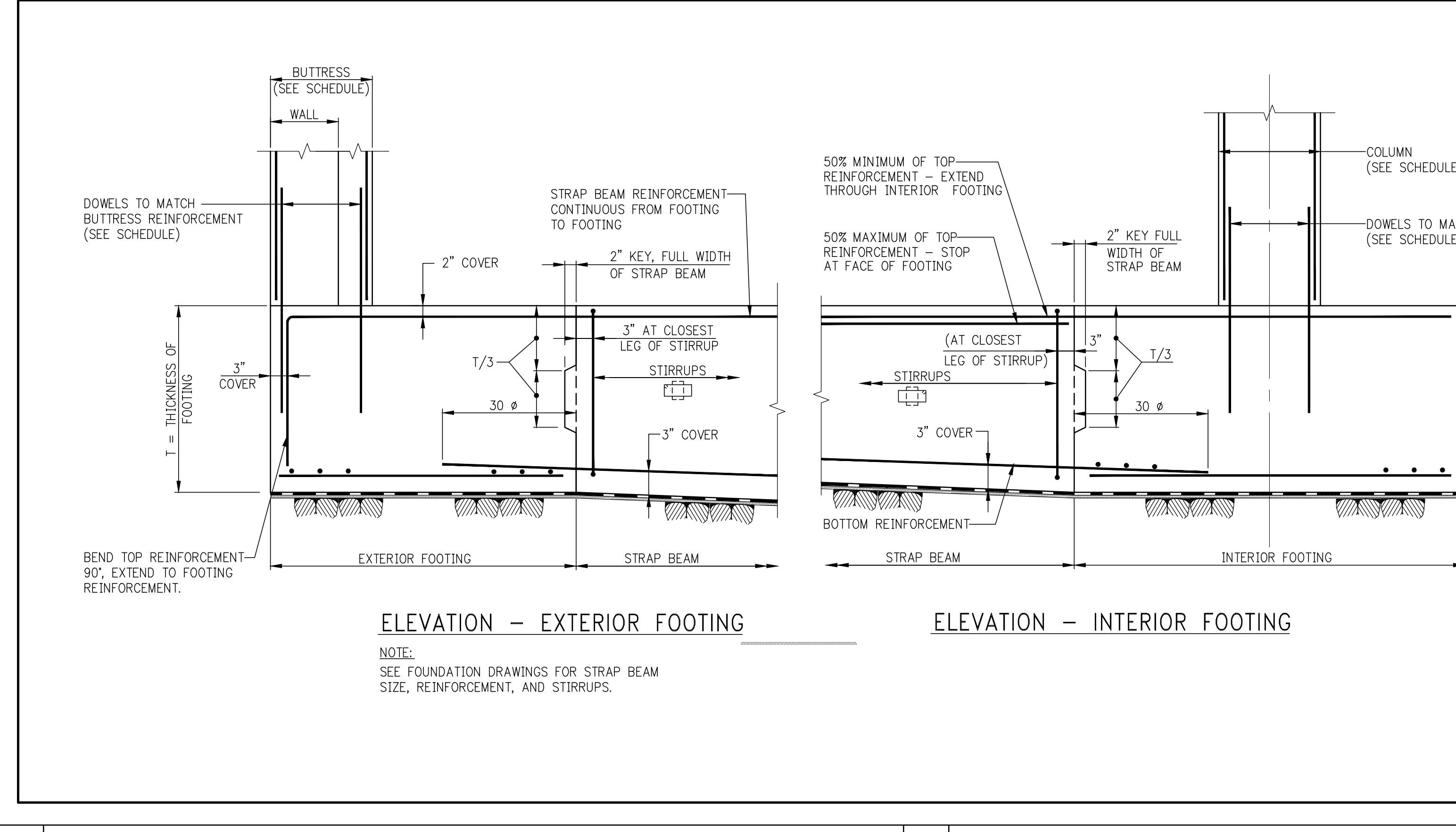
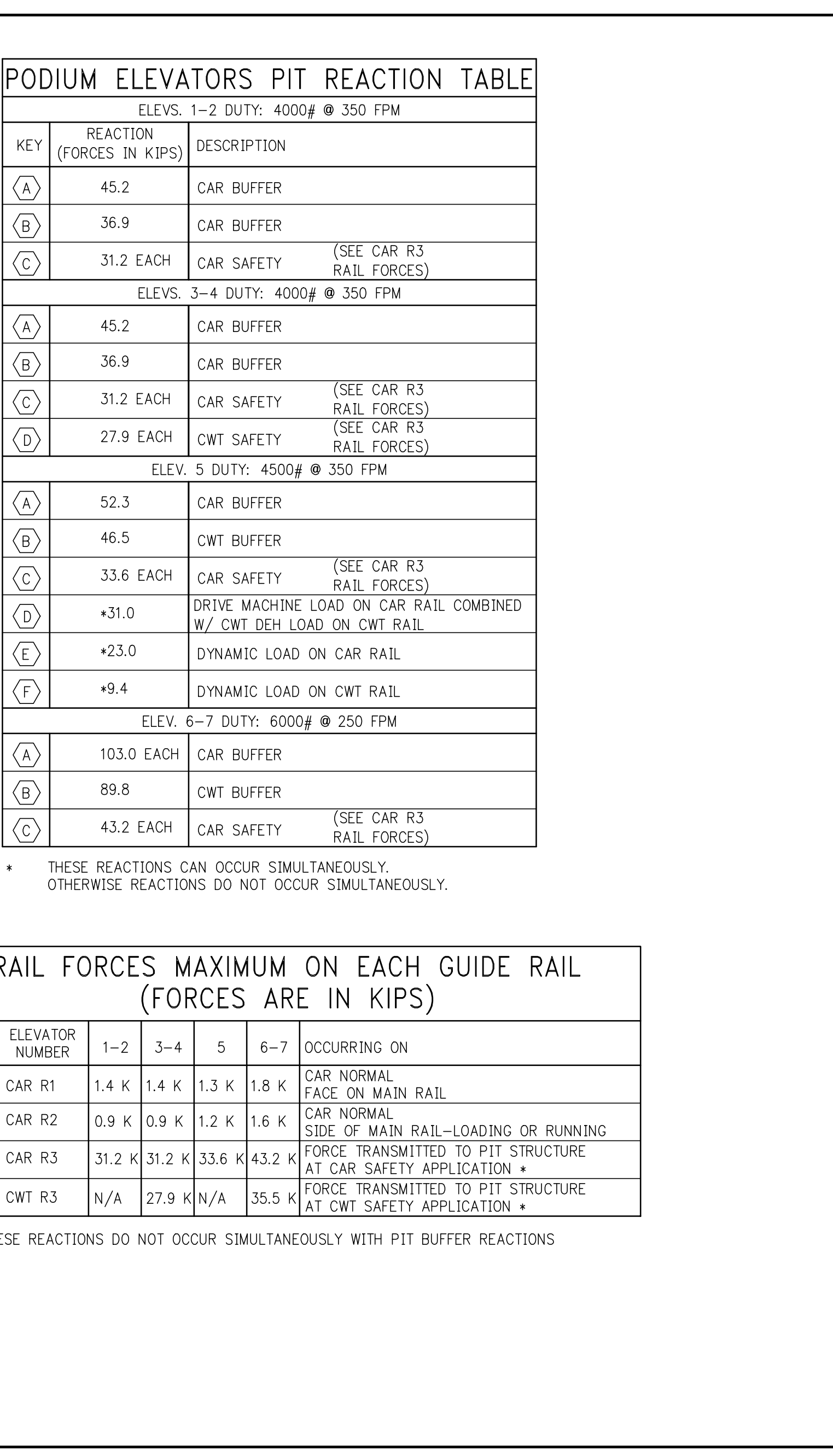
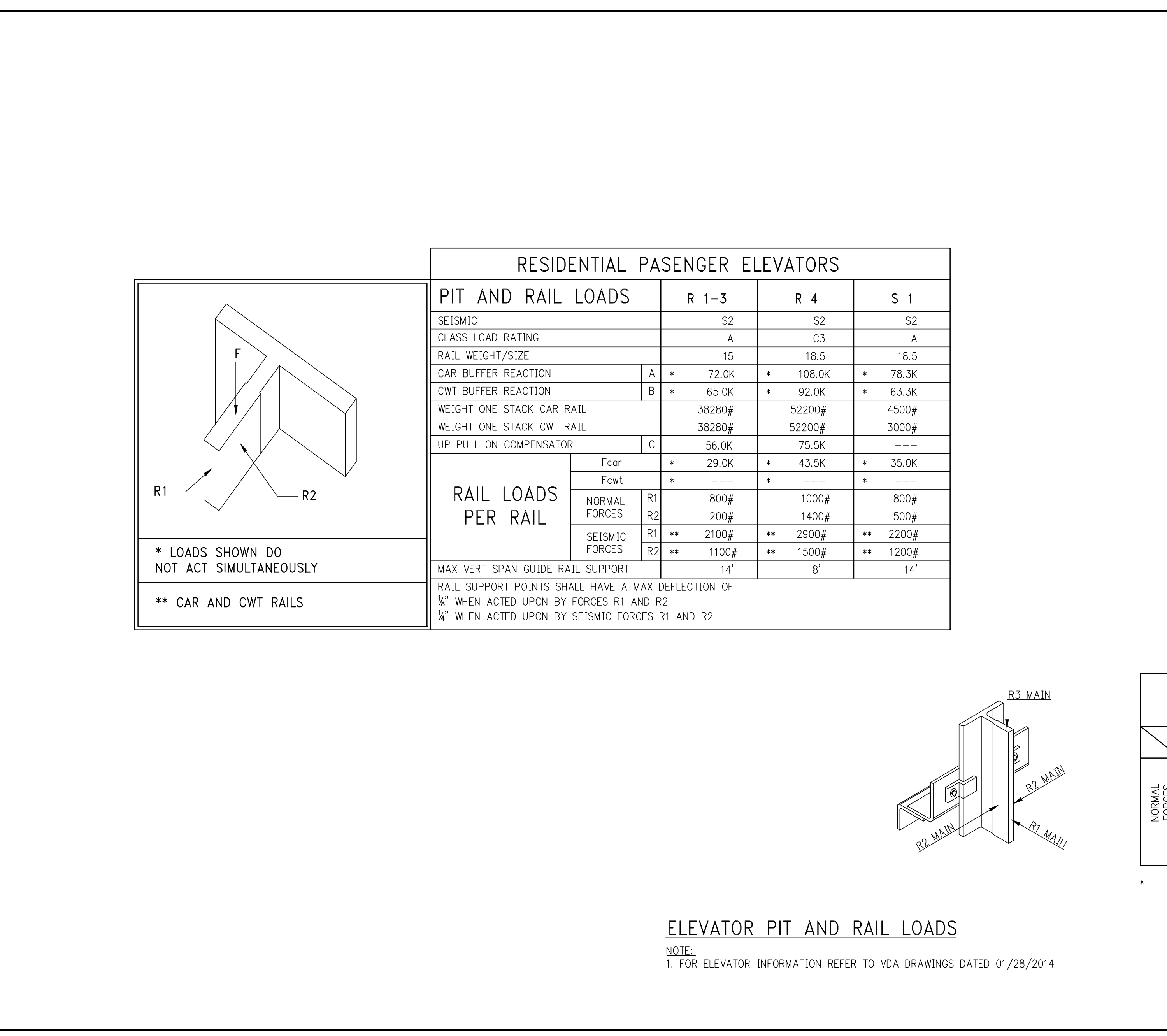
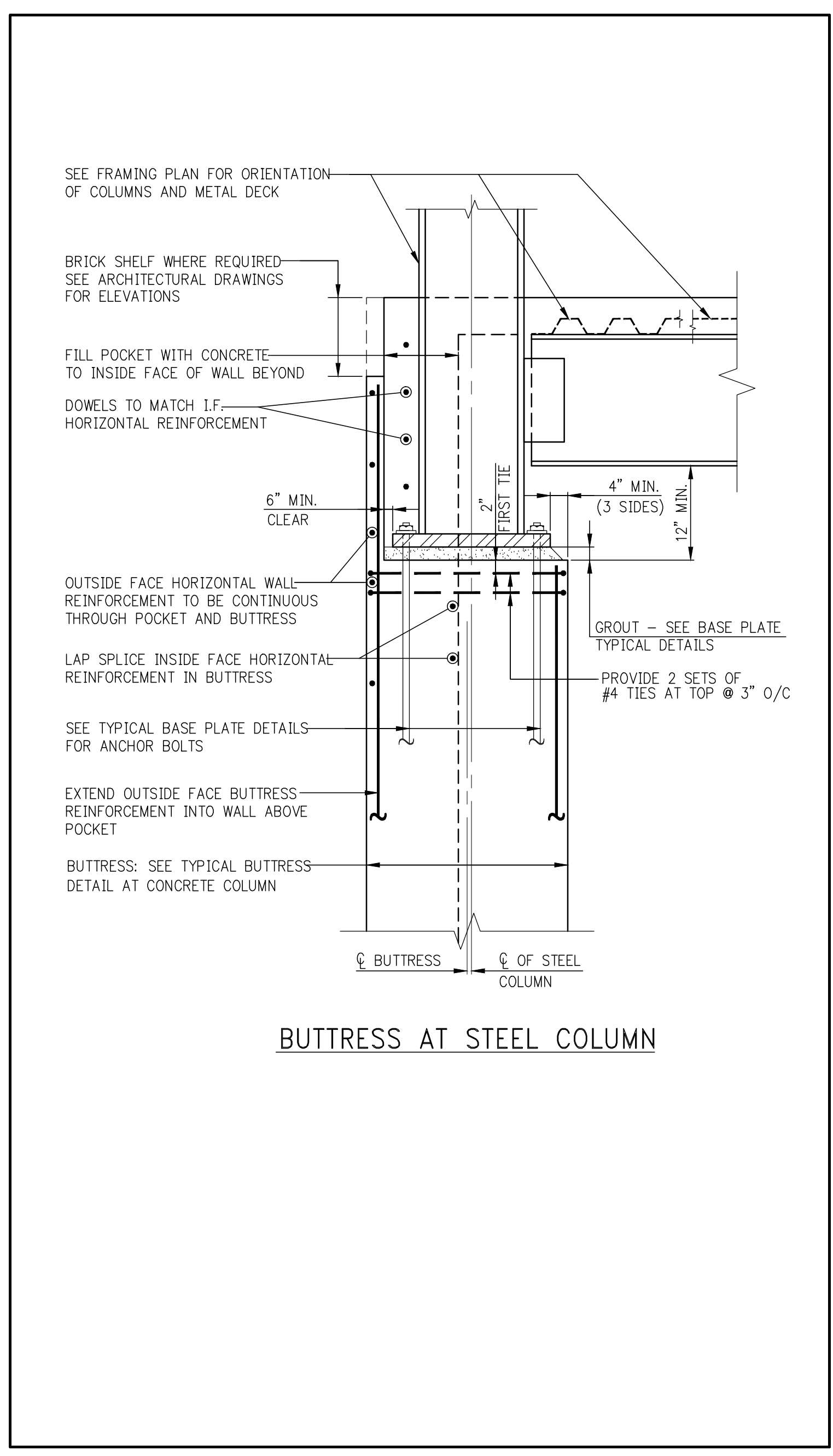
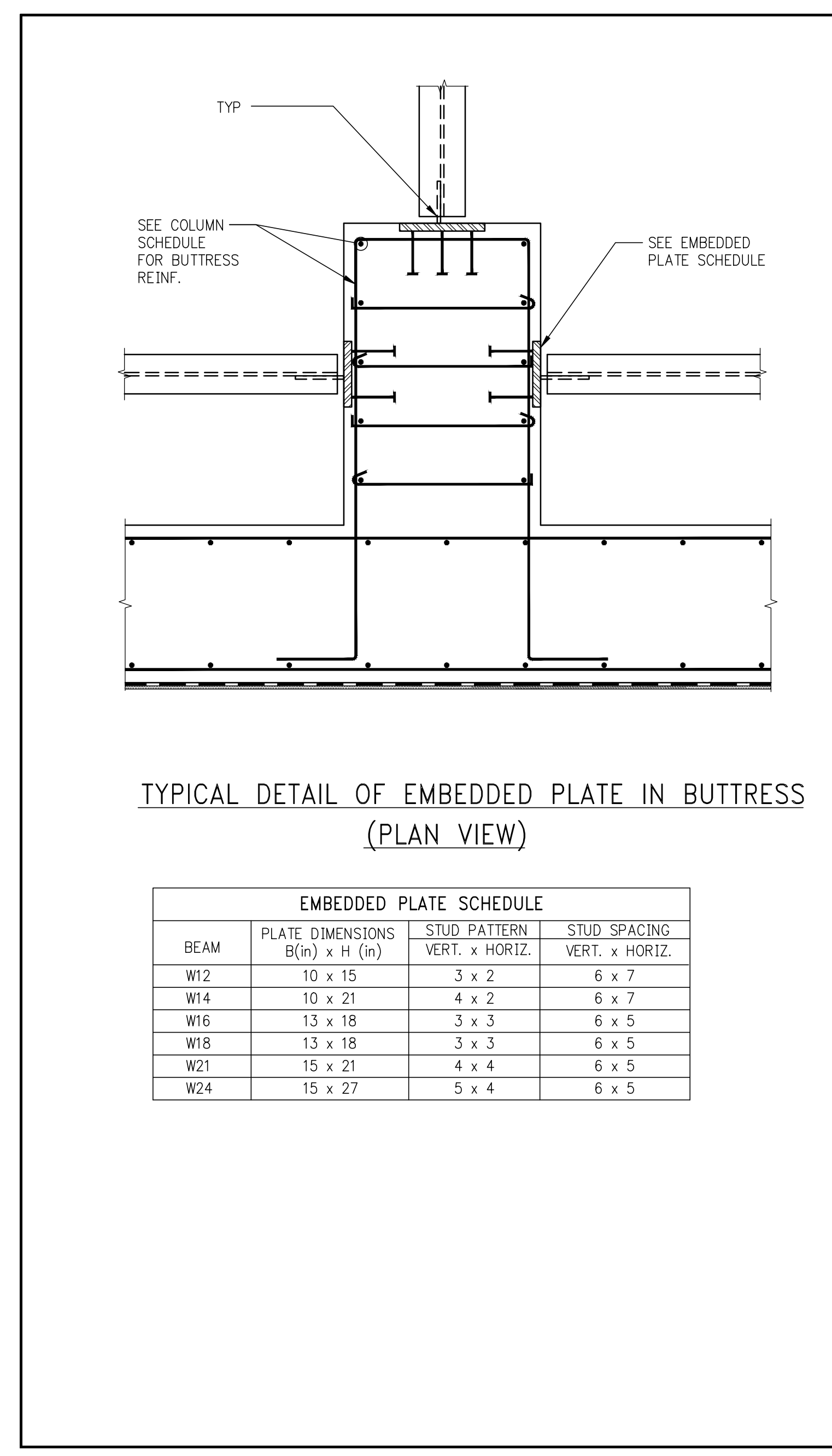
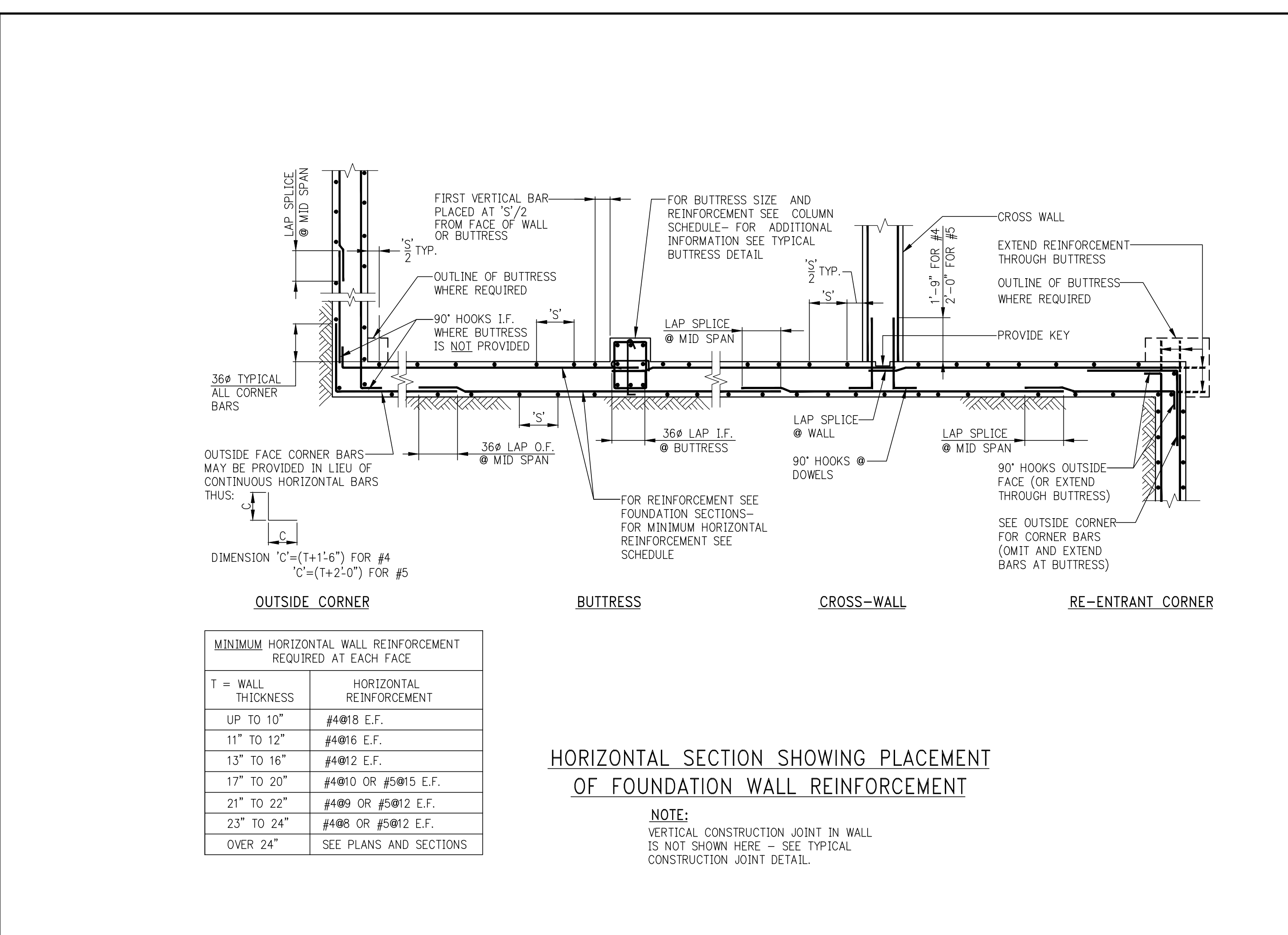
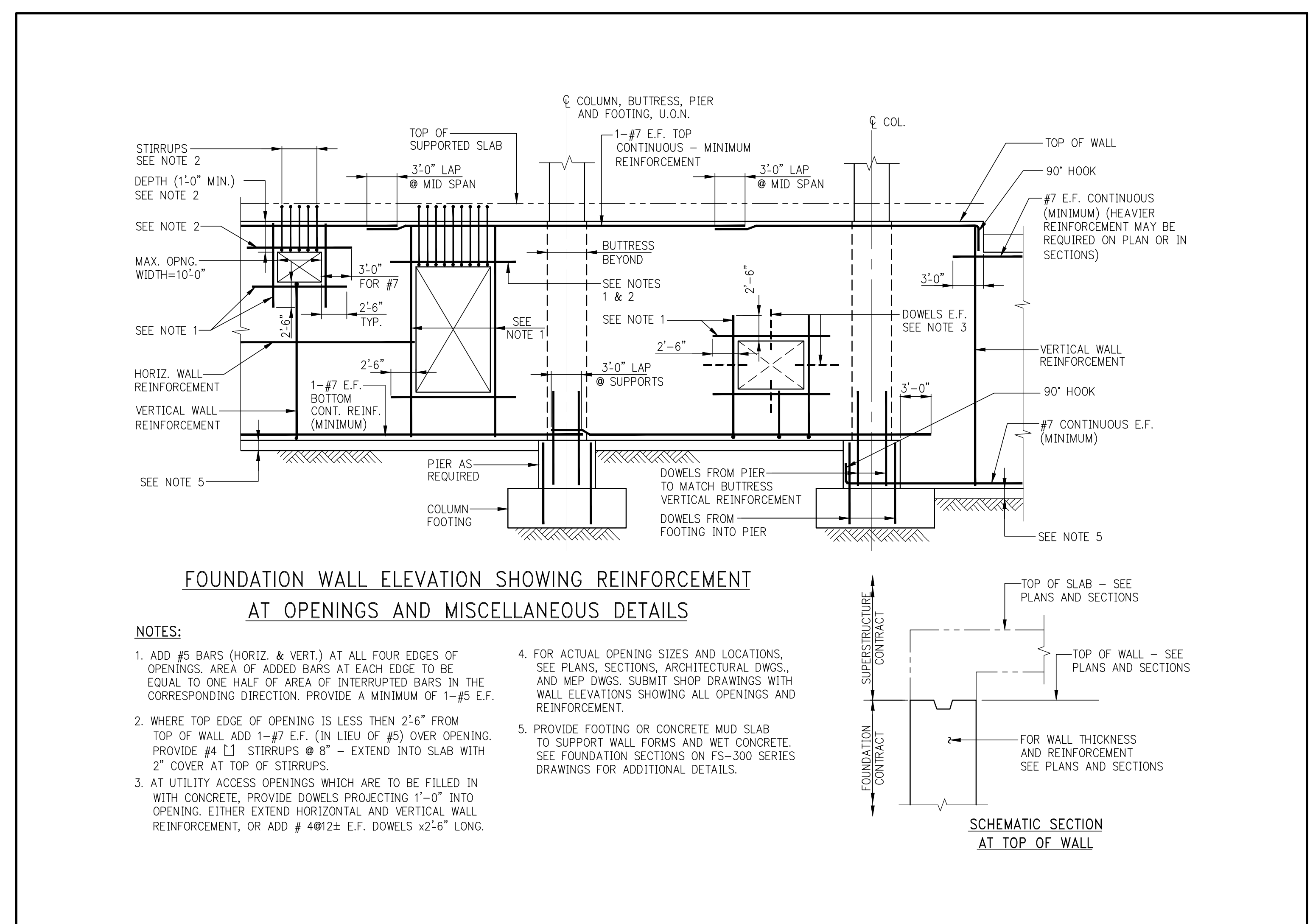
CONSULTANT:
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 New York, NY 10017
 (212) 687-8868
 www.wspgroup.com/us

PROJECT: 217 WEST 57TH STREET
 NEW YORK, NY

DRAWING TITLE: TYPICAL FOUNDATION DETAILS 1

DATE: 03/31/14
PROJECT No: 2012185
DRAWN: CADD
CHK: Y.E.
SCALE: AS INDICATED
DWG No: FO-200.02
DOB EMPLOYEE ID: 2012185
DOB PAGE No: 14
DOB 5-CAN:





KEY PLAN

PROJECT NORTH

DEVELOPER: EXTELL DEVELOPMENT COMPANY
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10	SE ZONE STEEL BID	08-20-2014
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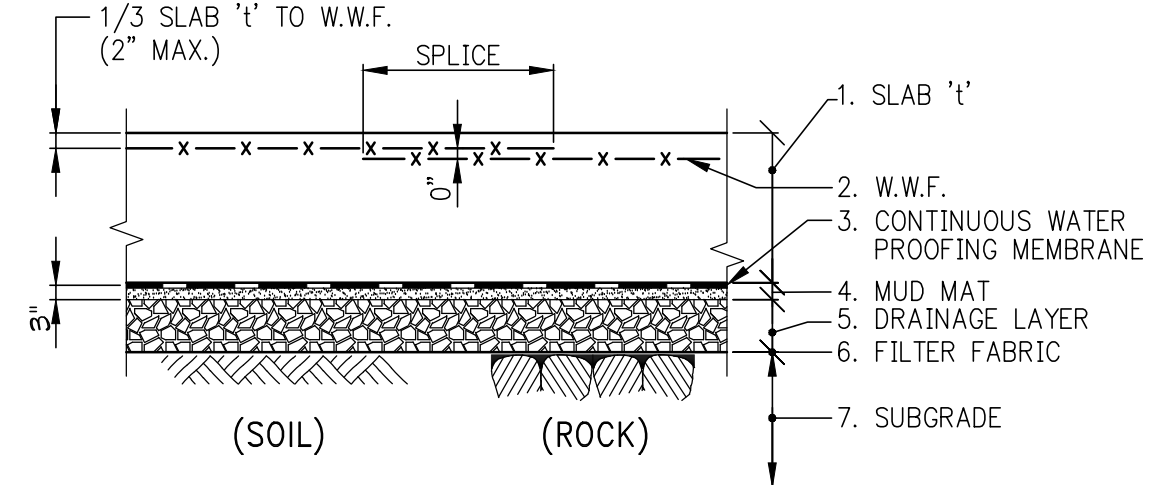
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PROJECT: 217 WEST 57TH STREET
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DRAWING TITLE: TYPICAL FOUNDATION DETAILS 2

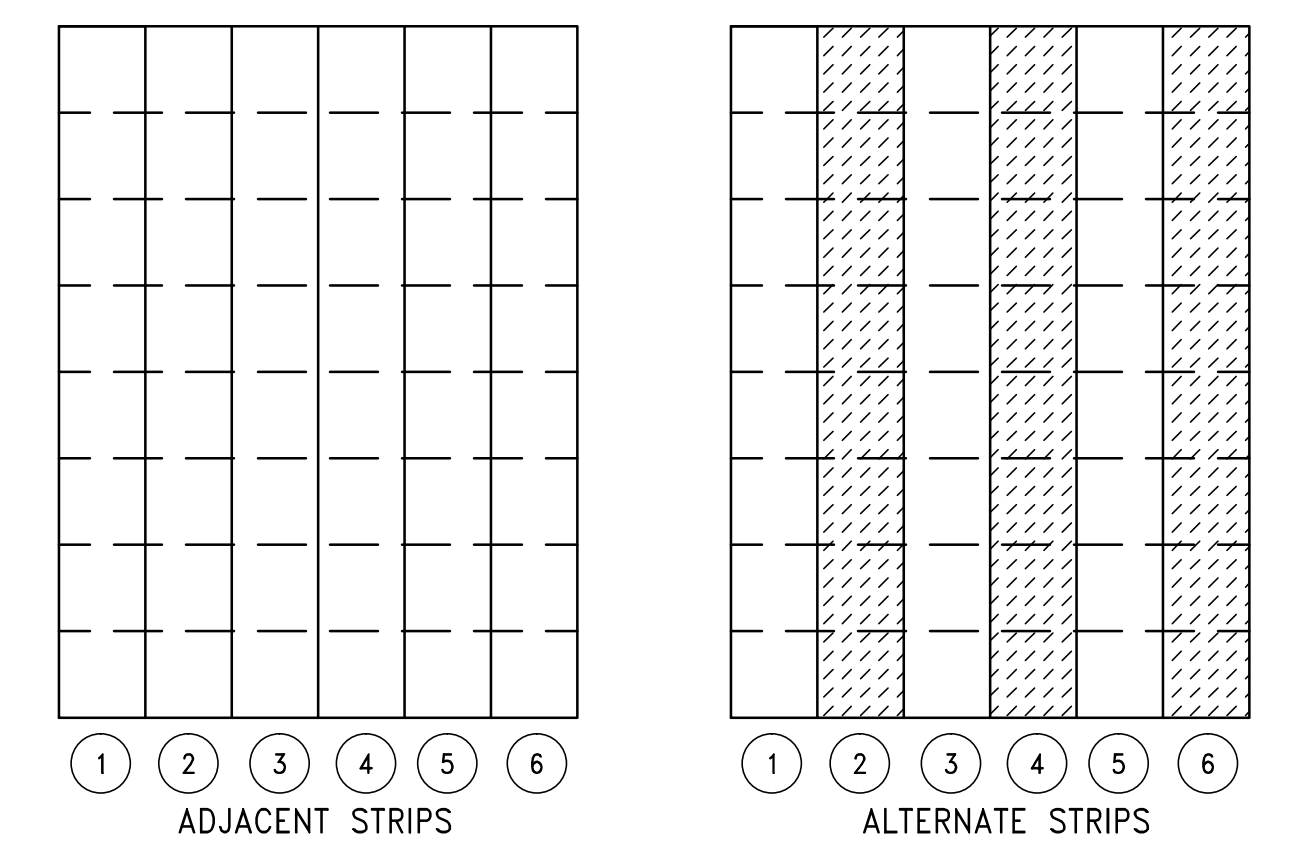
SEAL & SIGNATURE: DATE: 03/31/14
 PROJECT No: 2012185
 DRAWN: CADD REV: 15
 CHK: Y.E. SCALE: AS INDICATED
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 DOB EMPLOYEE STAMP: DOB PAGE No: of DOB 5-CAN:



TYPICAL DETAIL - SLAB ON GROUND

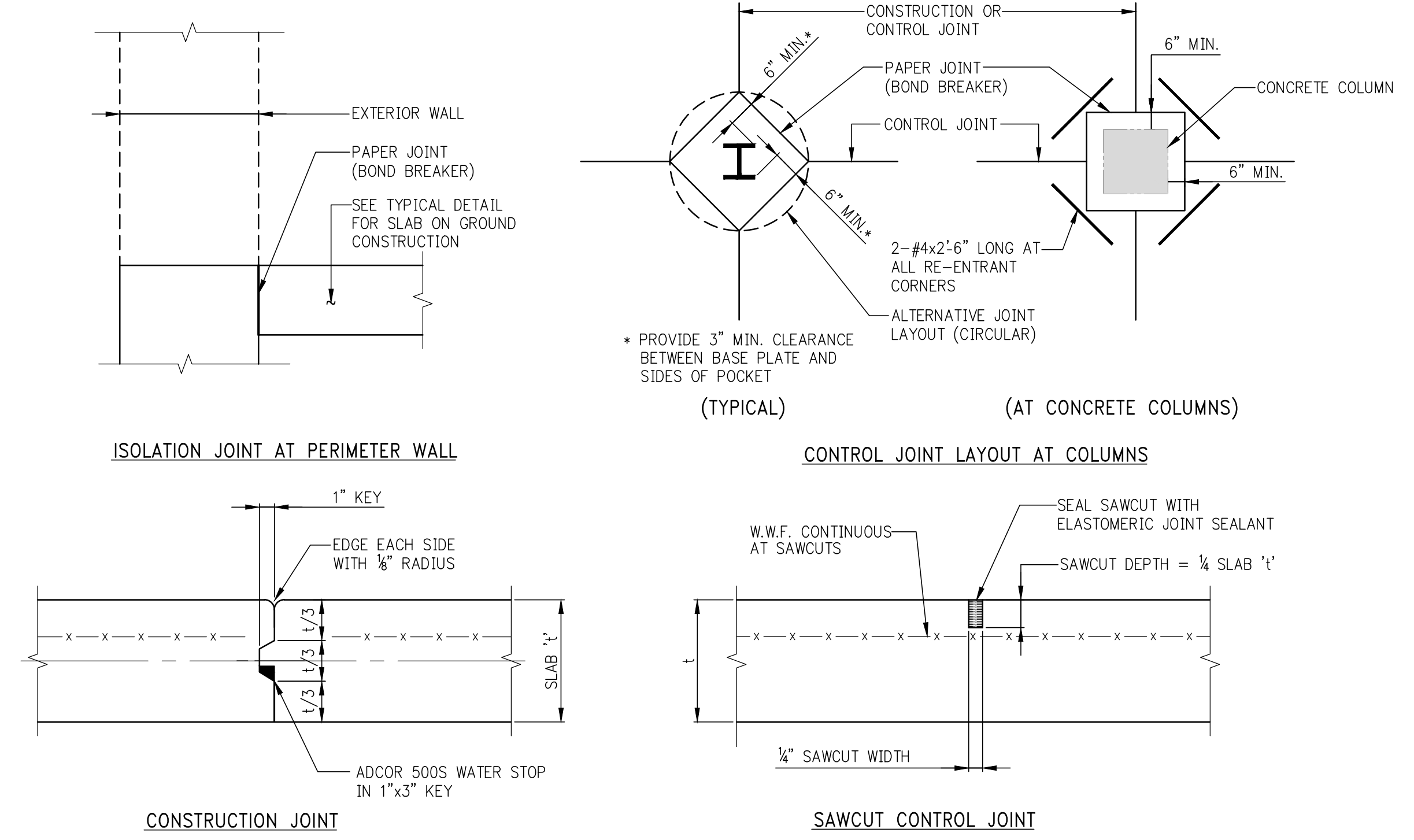
- NOTES:
 1. SLAB THICKNESS "1"=6" UNLESS OTHERWISE NOTED ON PLANS.
 2. W.W.F. REINFORCEMENT: SEE TABLE.
 3. GRADE PRESERVE WATER PROOFING MEMBRANE ON 3" MUD SLAB.
 4. 9" LAYER 3/4" CLEAN CRUSHED STONE.
 5. FILTER FABRIC.
 6. SUB GRADE COMPACTED FILL, BACKFILL OR UNDISTURBED SOIL OR LEVELED ROCK SURFACE.

SLAB '1'	SLAB REINFORCEMENT (UNLESS OTHERWISE NOTED) W.W.F.
5"	6 x 6 - W2.1 x W2.1
6"-7"	8 x 6 - W2.9 x W2.9
8"-9"	6 x 6 - W4.0 x W4.0
10" OR MORE	REBAR PER DRAWINGS

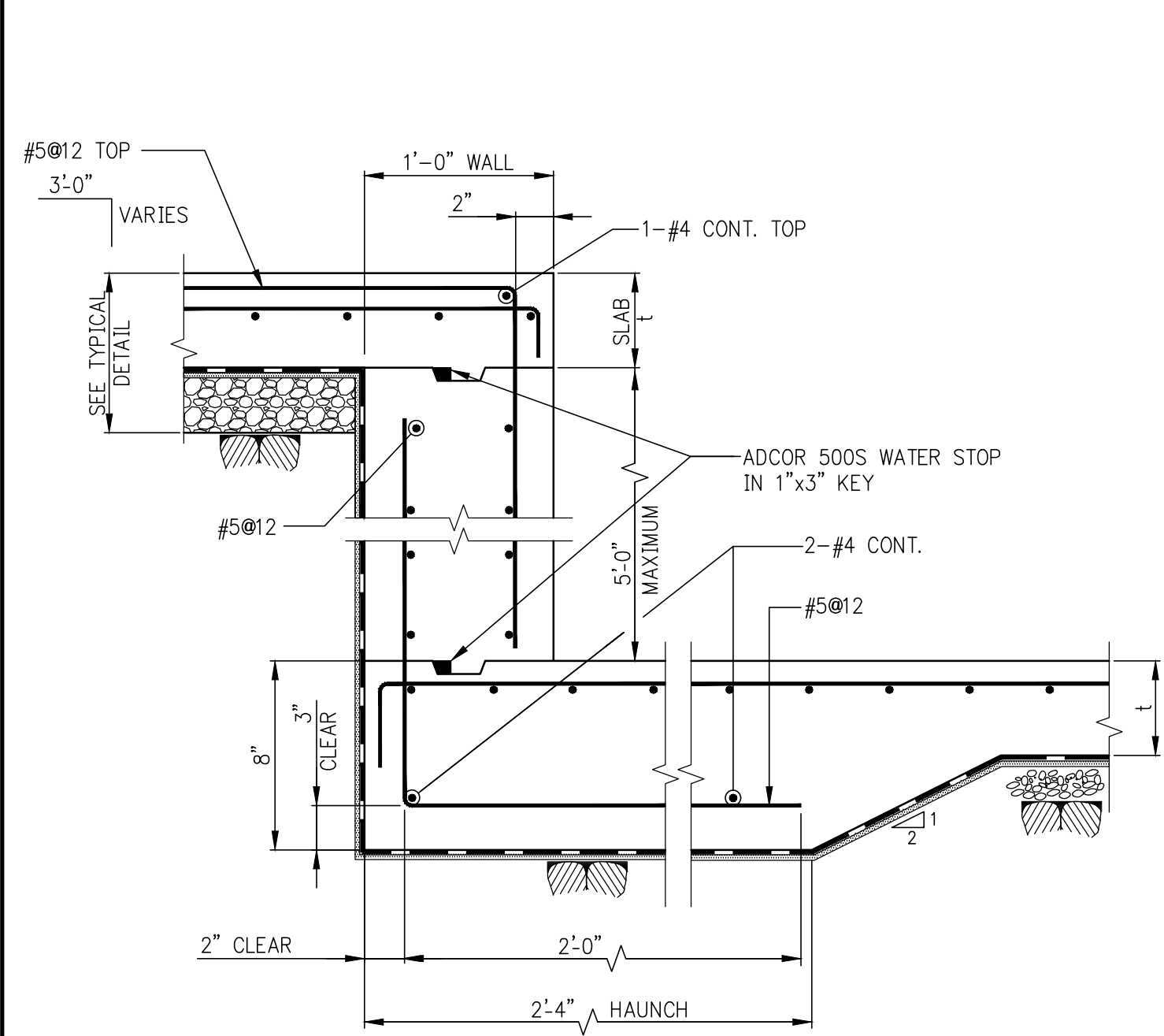


SUGGESTED SEQUENCE OF CASTING STRIPS

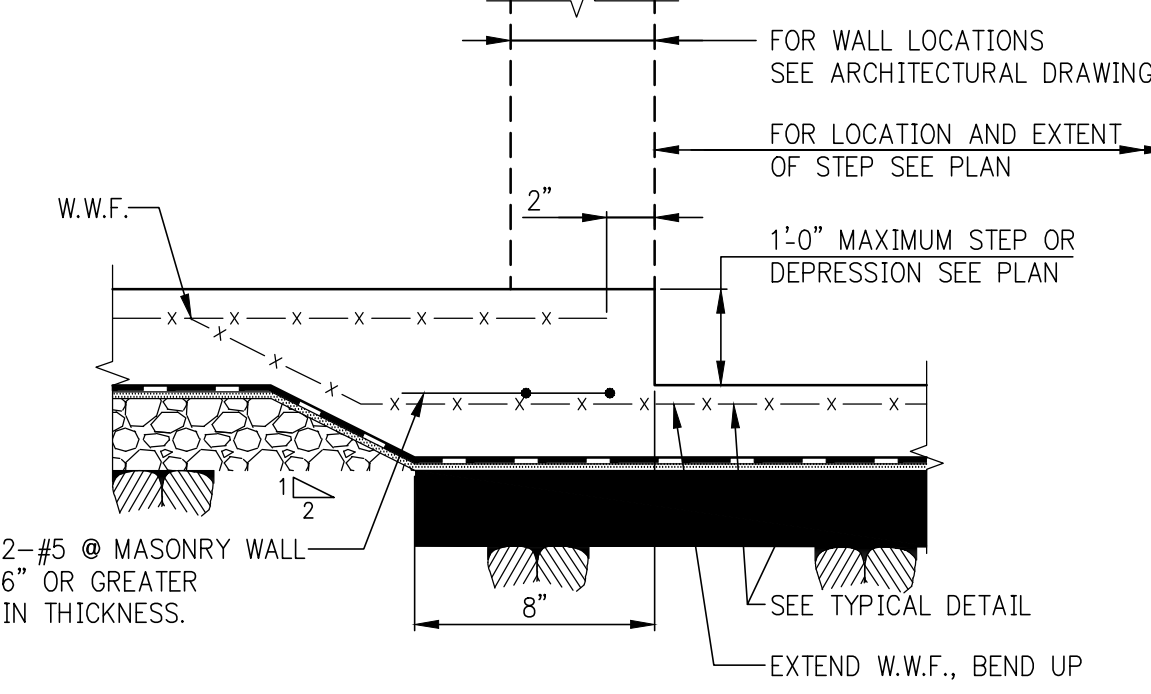
- SLAB ON GROUND NOTES:
 1. SLAB ON GROUND SHALL BE PLACED IN STRIPS, AS SHOWN IN "SUGGESTED SEQUENCE OF CASTING STRIPS".
 2. CONTROL JOINTS SHALL BE SAWCUT AS SOON AS CONCRETE IS HARD ENOUGH NOT TO BE TORN OR DAMAGED BY THE BLADE, AND BEFORE THE CONCRETE STARTS TO COOL. TYPICALLY JOINTS SHOULD BE CUT 4 TO 12 HOURS AFTER THE SLAB HAS BEEN FINISHED, DEPENDING UPON WEATHER AND JOB CONDITIONS.
 3. SPACING OF SAWCUT CONTROL JOINTS (IN FEET) TO BE APPROXIMATELY THREE TIMES THE SLAB THICKNESS IN INCHES, WITH A MAXIMUM OF TWENTY (20) FEET.
 4. A MAXIMUM RATIO OF 1.5 SHALL BE MAINTAINED BETWEEN LONG AND SHORT DIMENSIONS OF PANELS FORMED BY CONSTRUCTION AND CONTROL JOINTS.
- LEGEND:
 [Hatched] STRIPS CAST FIRST
 [Dotted] INFILL STRIPS
 [Dashed] FORMED JOINTS
 [Solid] SAWCUT JOINTS



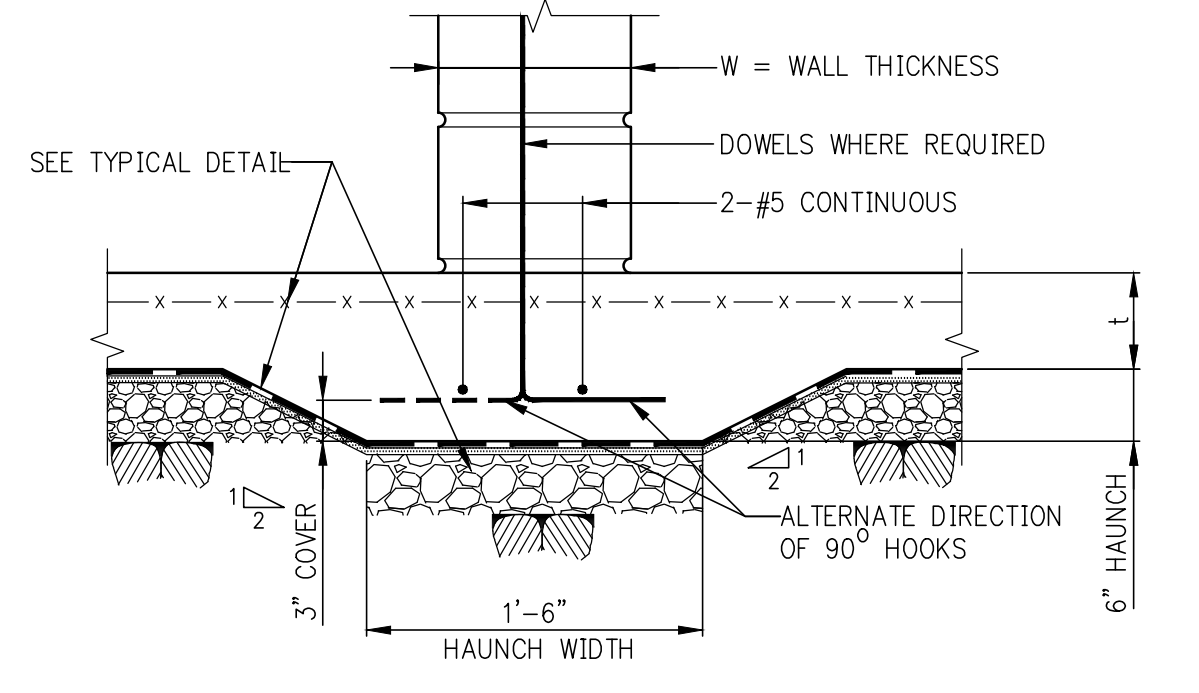
SLAB ON GROUND JOINT DETAILS



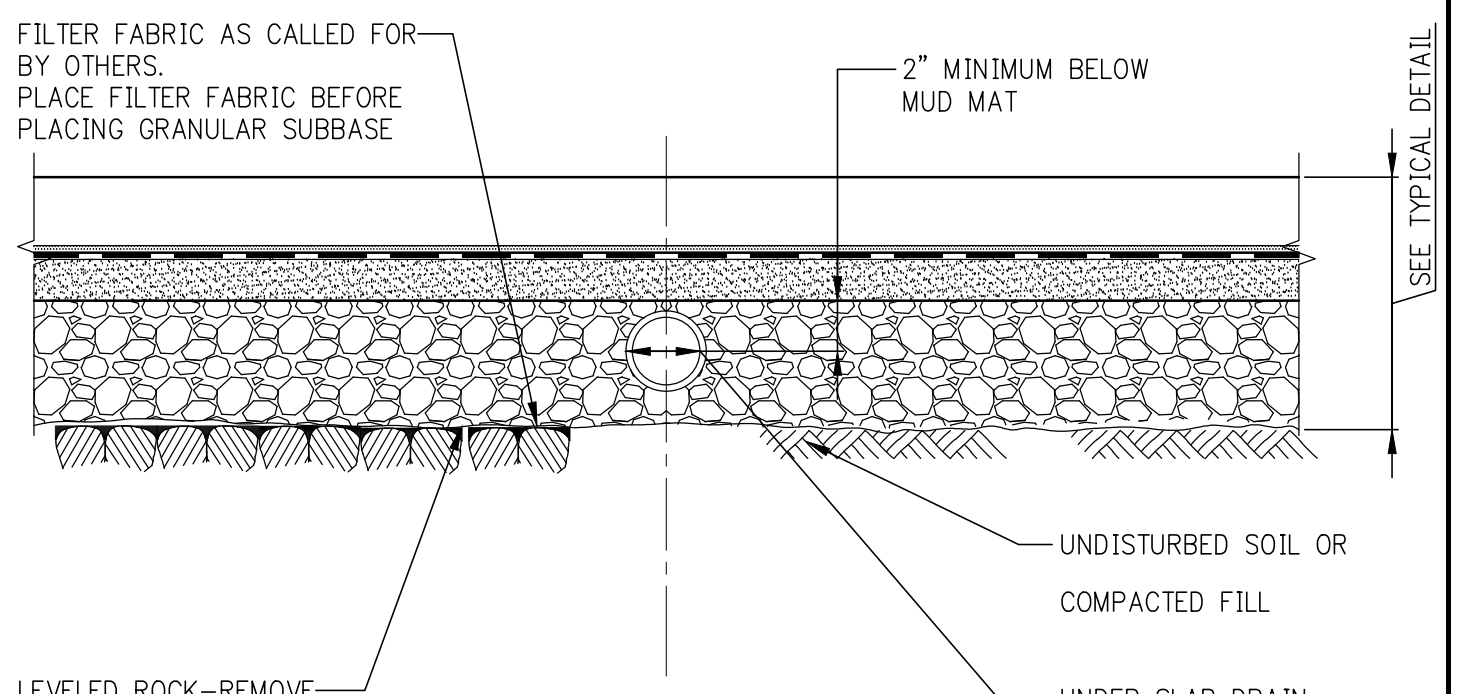
SLAB ON GROUND STEP OR DEPRESSION GREATER THAN 1'-0"



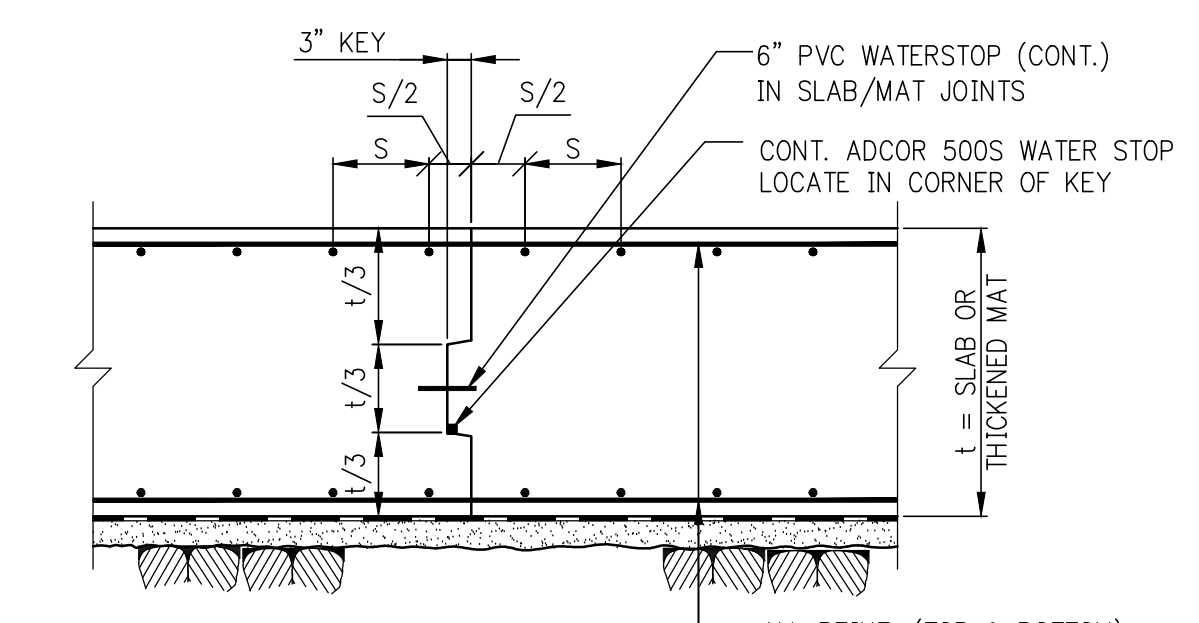
SLAB ON GROUND STEP OR DEPRESSION 1'-0" OR LESS



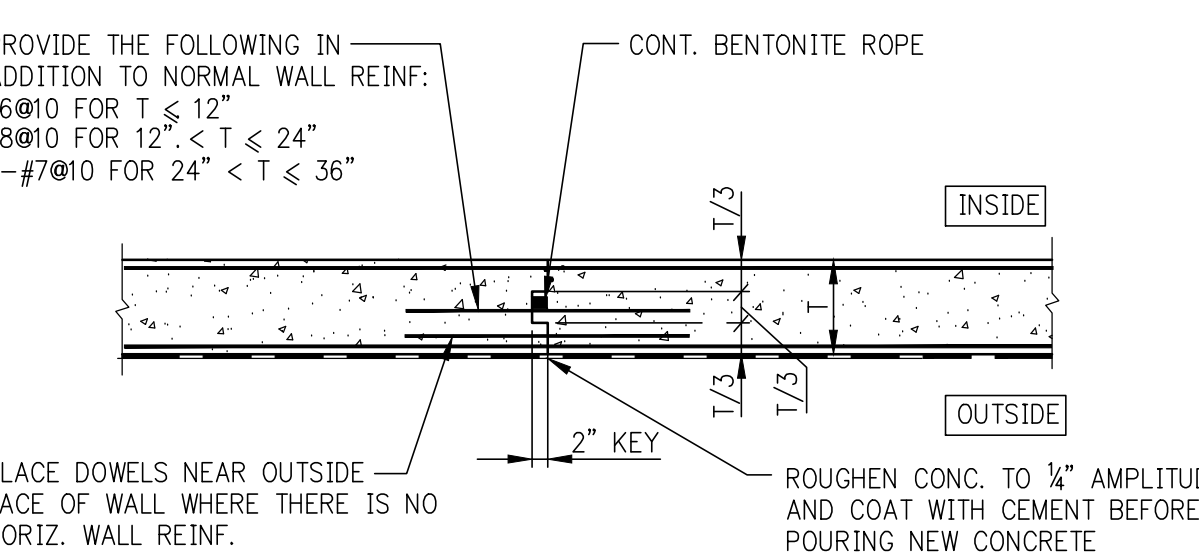
THICKENED SLAB AT MASONRY WALLS 6" THICK OR GREATER



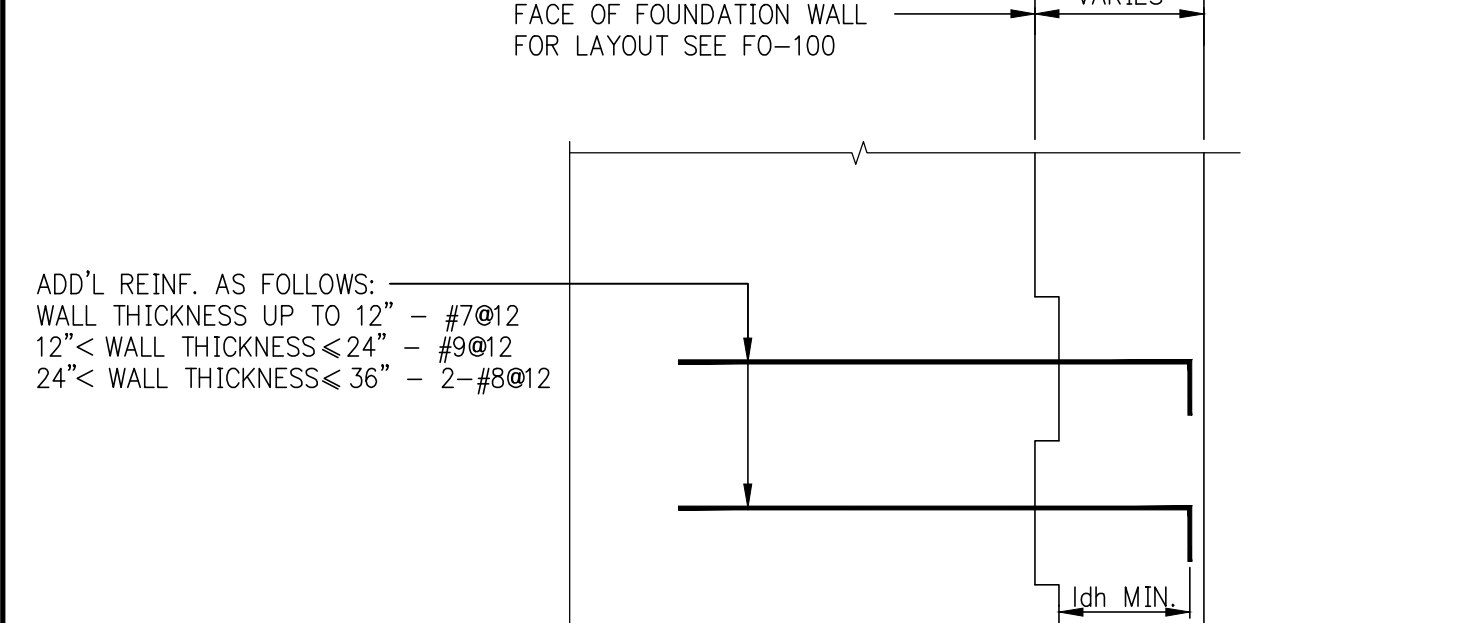
UNDER SLAB DRAIN



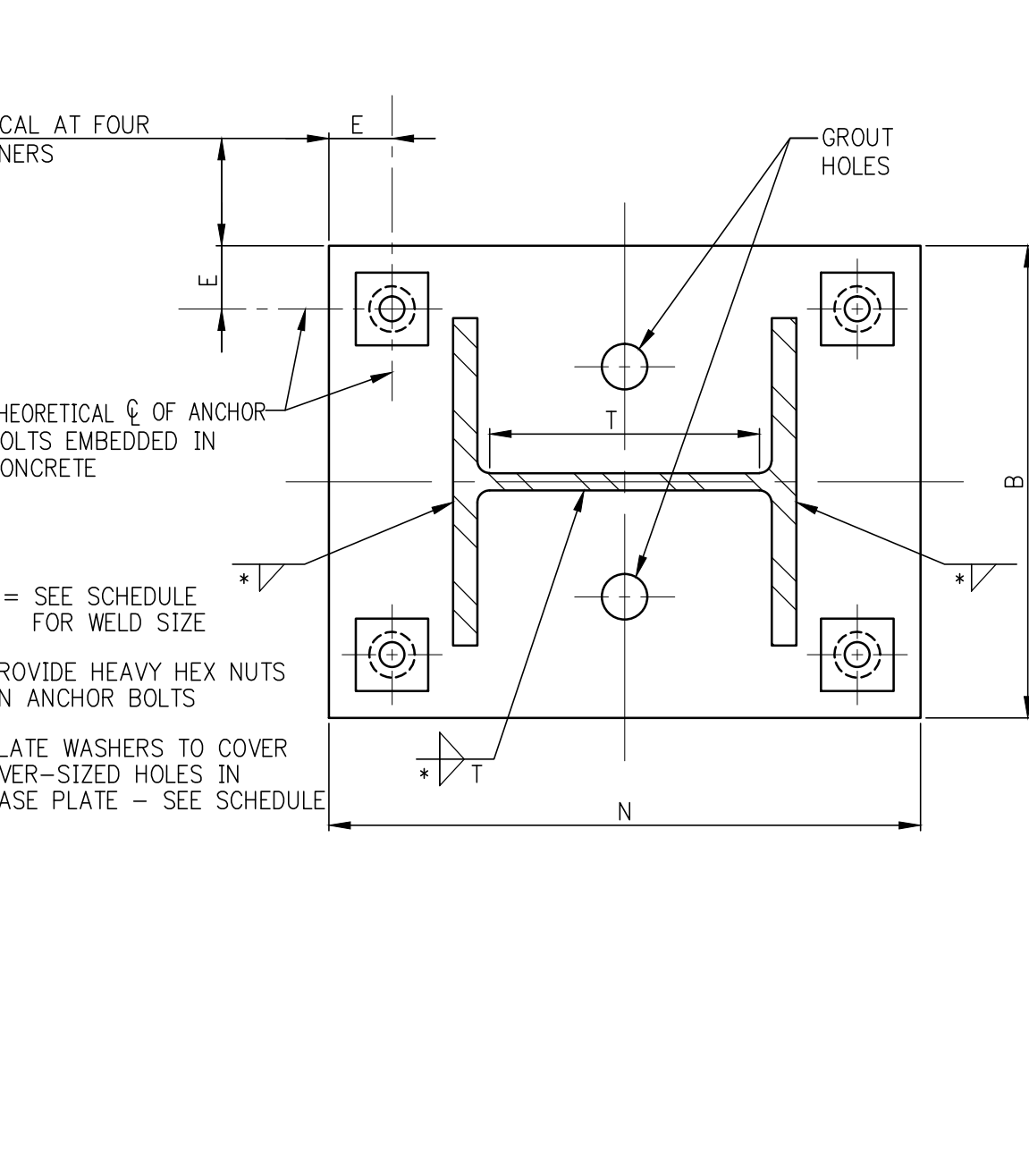
MAT FOUNDATION CONSTRUCTION JOINT



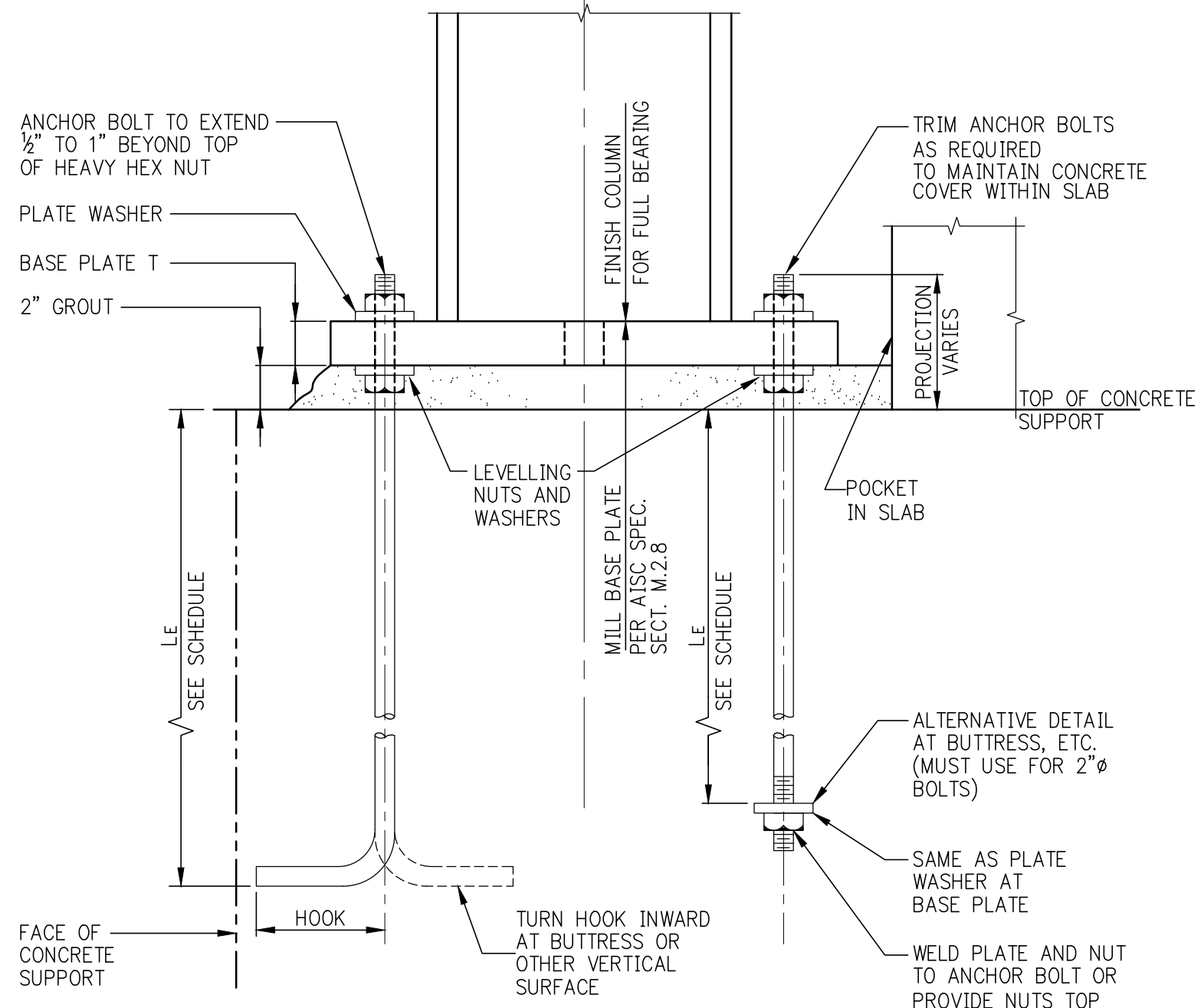
TYPICAL VERTICAL CONSTRUCTION JOINT IN FOUNDATION WALL



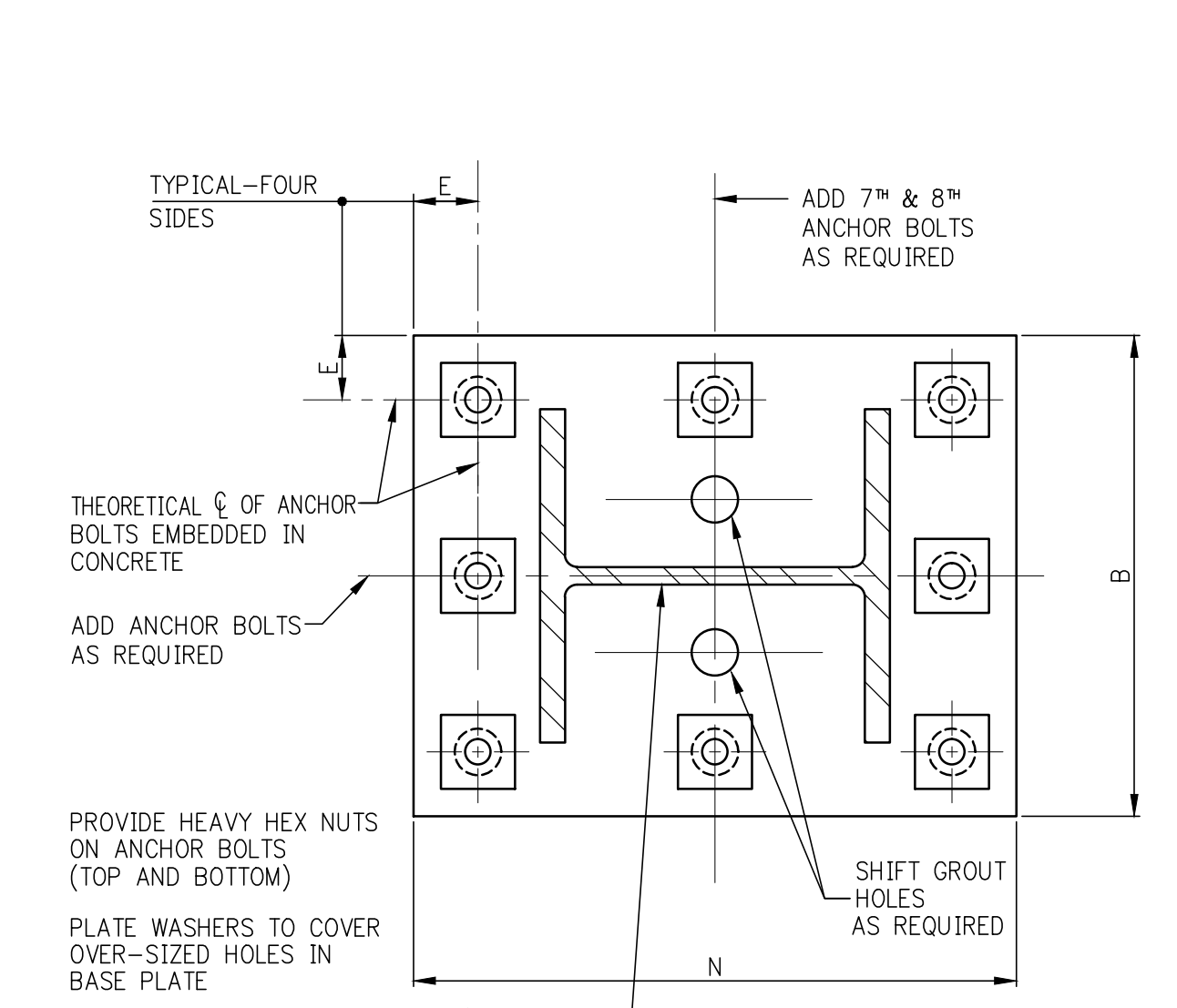
TYPICAL CONSTRUCTION JOINT SECTION IN FOUNDATION WALL



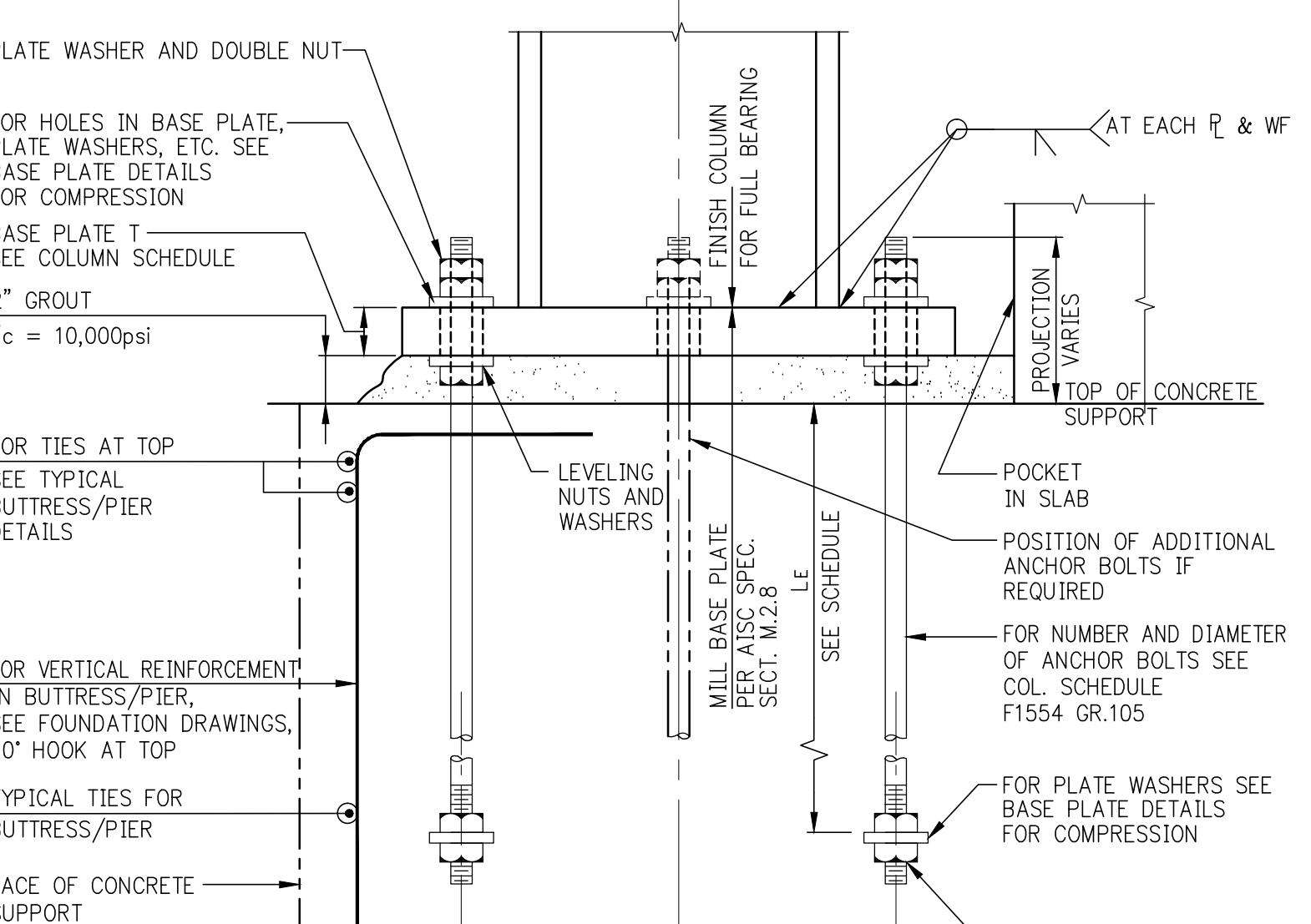
PLAN VIEW OF BASE PLATE AT COLUMN IN COMPRESSION ONLY



SECTION - COMPRESSION ONLY



PLAN VIEW OF BASE PLATE AT COLUMN IN TENSION



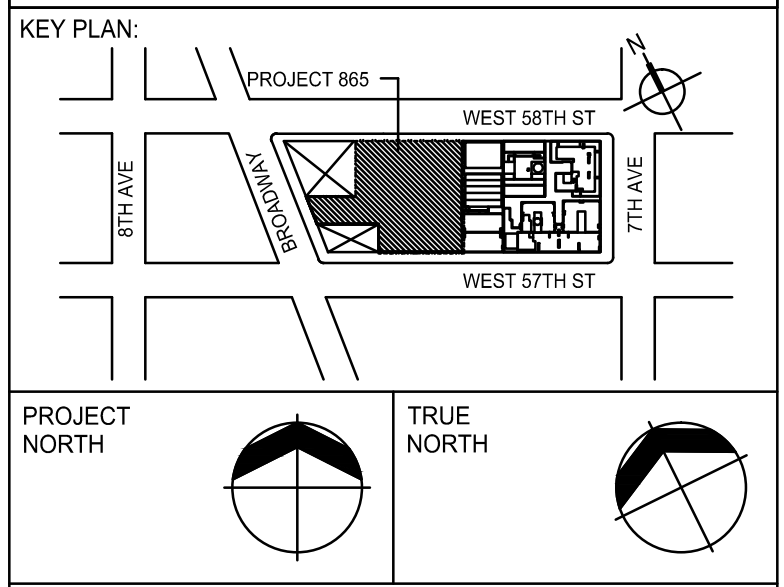
SECTION - COLUMN IN TENSION

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

COLUMN SIZES	ALL W10 AND SMALLER SIZES, W12x58 AND LIGHTER W14x90 TO W14x311	W12x65 TO W14x312	W14x342 TO W14x500	W14x550 TO MAXIMUM W14
* MINIMUM WELD SIZE - COLUMN TO BASE PLATE	3/8"	3/8"	3/8"	3/8"
MINIMUM ANCHOR BOLT REQUIREMENT	4-1" DIA.	4-1 1/4" DIA.	4-1 1/2" DIA.	4-2" DIA.
HOLE DIAMETER IN BASE PLATE	2"	2 1/4"	2 1/2"	3"
E = EDGE DISTANCE TO HOLES	2 1/2"	2 3/4"	2 3/4"	3 3/4"
L = BOLT EMBEDMENT LENGTH	1'-6"	1'-9"	2'-2"	2'-9"
BOIT WOOD DIMENSION OR PLATE REQUIREMENT	5"	6"	8" OR NUT + PLATE	NUT + PLATE
PLATE WASHER	3/8x3/8x3/4 W/1 1/2" HOLE	3/8x3/8x3/4 W/1 1/2" HOLE	3/8x3/8x3/4 W/1 1/2" HOLE	3/8x3/8x3/4 W/2" HOLE
MINIMUM 'N' FOR BOLT + WASHER (U.O.N.)	d COL + 10"	d COL + 11"	d COL + 11 1/2"	d COL + 13 1/2"

NOTES FOR "COMPRESSION ONLY" BASE PLATE DETAILS

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



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INTERIOR DESIGNER: **Residential**
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ARCHITECT OF RECORD: **Base Building Shell, Core & Residential**
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LANDMARK PRESERVATION CONSULTANT: **Jan Hird Pokorny Associates, Inc.**
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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	FOUNDATION BID PACKAGE	03-31-2014
3	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
4	FOUNDATION BID PACKAGE	04-04-2014
5	STEEL BID PACKAGE	05-22-2014
6	FOUNDATION 80% CD	05-22-2014
7	SUPERSTRUCTURE CONCRETE BID	06-02-2014
8	DOB FILMS SET	08-17-2014
9	FOUNDATION 90% CD	07-17-2014
10	STRUCTURAL STEEL BID	09-15-2014
11	CD PROGRESS ISSUE 1	10-15-2014
12	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
13	DOB SUBMISSION	12-19-2014
14	DOB SUBMISSION	02-05-2015

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

DRAWING TITLE: **TYPICAL FOUNDATION DETAILS 3**

DATE: 03/31/14
 PROJECT No: 2012185
 DRAWN: CADD REV: 14
 CHK: Y.E. SCALE: AS INDICATED
 DWG No: FO-202.02

DOB EMPLOYEE STAMP: DOB PAGE No: of DOB 55-SCAN:

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

TABLE 1.A: 3/4" COVER TO OUTER LAYER BARS OUTER LAYER LAP LENGTHS (IN INCHES)										TABLE 1.C: 1 1/2" COVER TO OUTER LAYER BARS OUTER LAYER LAP LENGTHS (IN INCHES)									
BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000		BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000	
#3	16	16	16	16	16	16	16	16	#3	16	16	16	16	16	16	16	16	16	
#4	21	20	20	20	20	20	20	20	#4	20	20	20	20	20	20	20	20	20	
#5	31	27	24	24	24	24	24	24	#5	24	24	24	24	24	24	24	24	24	
#6	43	37	33	30	29	29	29	29	#6	29	29	29	29	29	29	29	29	29	
#7	69	60	53	49	45	42	40	38	#7	42	37	34	34	34	34	34	34	34	
#8	85	74	66	60	56	52	49	47	#8	53	46	41	39	39	39	39	39	39	
#9	103	89	80	73	67	63	59	56	#9	66	57	51	46	44	44	44	44	44	
#10	121	105	94	86	79	74	70	66	#10	79	68	61	56	51	49	49	49	49	
#11	140	122	109	99	92	86	81	77	#11	92	80	72	65	60	57	54	54	54	

TABLE 1.B: 3/4" COVER TO OUTER LAYER BARS INNER LAYER LAP LENGTHS (IN INCHES)										TABLE 1.D: 1 1/2" COVER TO OUTER LAYER BARS INNER LAYER LAP LENGTHS (IN INCHES)									
BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000		BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000	
#3	16	16	16	16	16	16	16	16	#3	16	16	16	16	16	16	16	16	16	
#4	20	20	20	20	20	20	20	20	#4	20	20	20	20	20	20	20	20	20	
#5	24	24	24	24	24	24	24	24	#5	24	24	24	24	24	24	24	24	24	
#6	30	29	29	29	29	29	29	29	#6	29	29	29	29	29	29	29	29	29	
#7	48	42	38	34	34	34	34	34	#7	37	34	34	34	34	34	34	34	34	
#8	61	53	47	43	40	39	39	39	#8	43	39	39	39	39	39	39	39	39	
#9	75	65	58	53	49	46	44	44	#9	53	46	44	44	44	44	44	44	44	
#10	89	77	69	63	58	55	51	49	#10	64	55	49	49	49	49	49	49	49	
#11	104	90	81	74	68	64	60	57	#11	75	65	58	54	54	54	54	54	54	

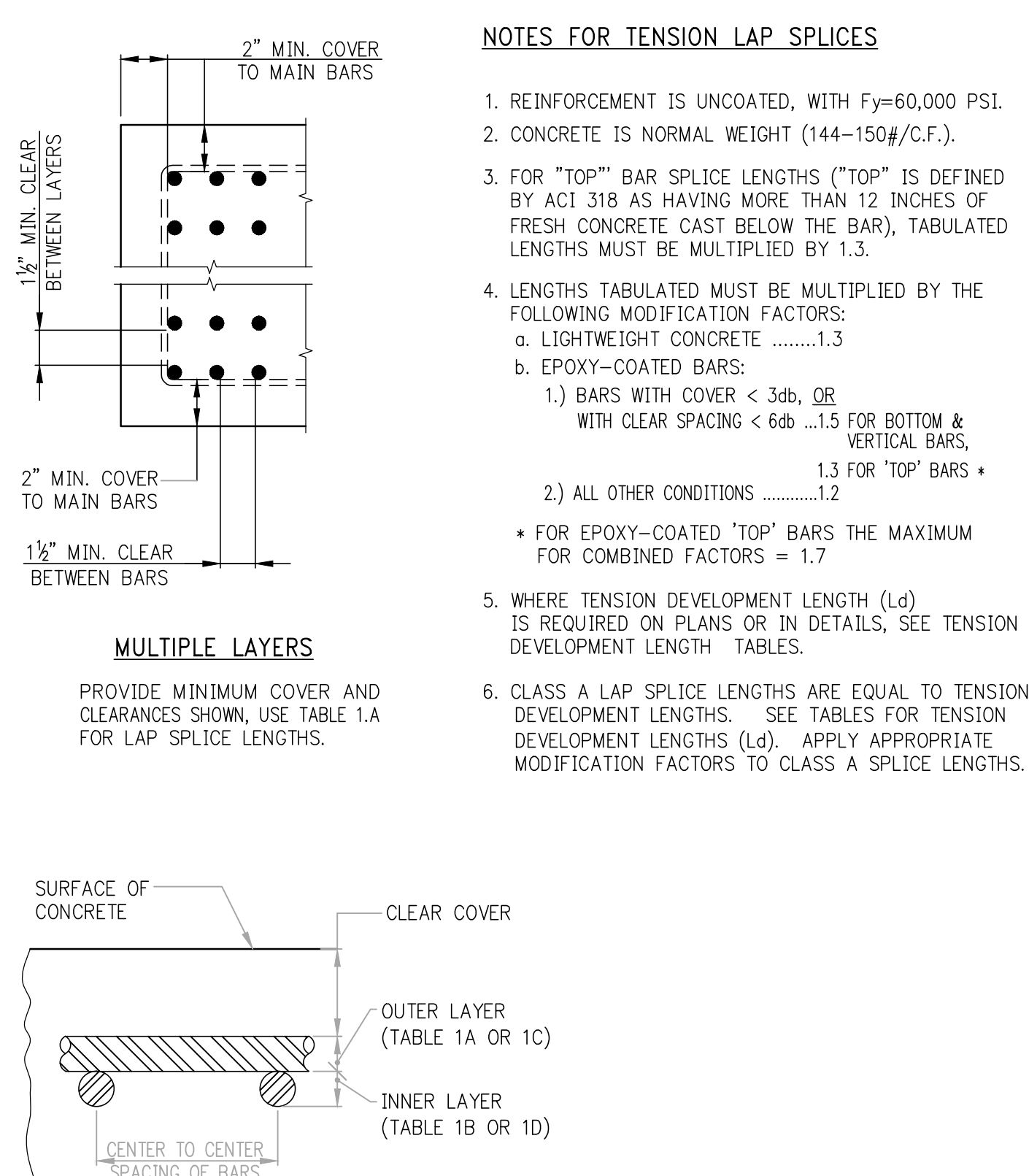


TABLE #2:
TENSION DEVELOPMENT LENGTHS (L_d) (IN INCHES)

TABLE 2.A: 3/4" COVER TO OUTER LAYER BARS OUTER LAYER DEVELOPMENT LENGTHS										TABLE 2.C: 1 1/2" COVER TO OUTER LAYER BARS OUTER LAYER DEVELOPMENT LENGTHS									
BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000		BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000	
#3	12	12	12	12	12	12	12	12	#3	12	12	12	12	12	12	12	12	12	
#4	16	14	13	12	12	12	12	12	#4	13	12	12	12	12	12	12	12	12	
#5	24	21	19	17	16	15	14	13	#5	16	14	13	13	13	13	13	13	13	
#6	33	28	25	23	22	20	19	18	#6	20	17	15	15	15	15	15	15	15	
#7	53	46	41	37	35	32	31	29	#7	32	28	25	23	21	20	19	18	18	
#8	66	57	51	46	43	40	38	36	#8	41	36	32	29	27	25	24	23	23	
#9	79	69	61	56	52	49	46	43	#9	50	44	39	36	33	31	29	28	28	
#10	93	81	72	66	61	57	54	51	#10	60	52	47	43	40	37	35	33	33	
#11	108	94	84	76	71	66	62	59	#11	71	61	55	50	46	43	41	39	39	

TABLE 2.B: 3/4" COVER TO OUTER LAYER BARS INNER LAYER DEVELOPMENT LENGTHS										TABLE 2.D: 1 1/2" COVER TO OUTER LAYER BARS INNER LAYER DEVELOPMENT LENGTHS									
BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000		BAR SIZE	3,000	4,000	5,000	6,000	7,000	8,000	9,000	10,000	
#3	12	12	12	12	12	12	12	12	#3	12	12	12	12	12	12	12	12	12	
#4	13	12	12	12	12	12	12	12	#4	13	12	12	12	12	12	12	12	12	
#5	16	14	13	13	13	13	13	13	#5	16	14	13	13	13	13	13	13	13	
#6	23	20	18	16	15	15	15	15	#6	20	17	15	15	15	15	15	15	15	
#7	37	32	29	26	24	23	22	20	#7	29	25	22	20	19	18	18	18	18	
#8	47	41	36	33	31	29	27	26	#8	33	28	25	23	22	20	20	20	20	
#9	57	50	44	41	38	35	33	31	#9	41	35	31	29	27	25	23	23	23	
#10	68	59	53	48	45	42	40	38	#10	49	42	38	35	32	30	28	27	27	
#11	80	69	62	57	52	49	46	44	#11	58	50	45	41	38	35	33	32	32	

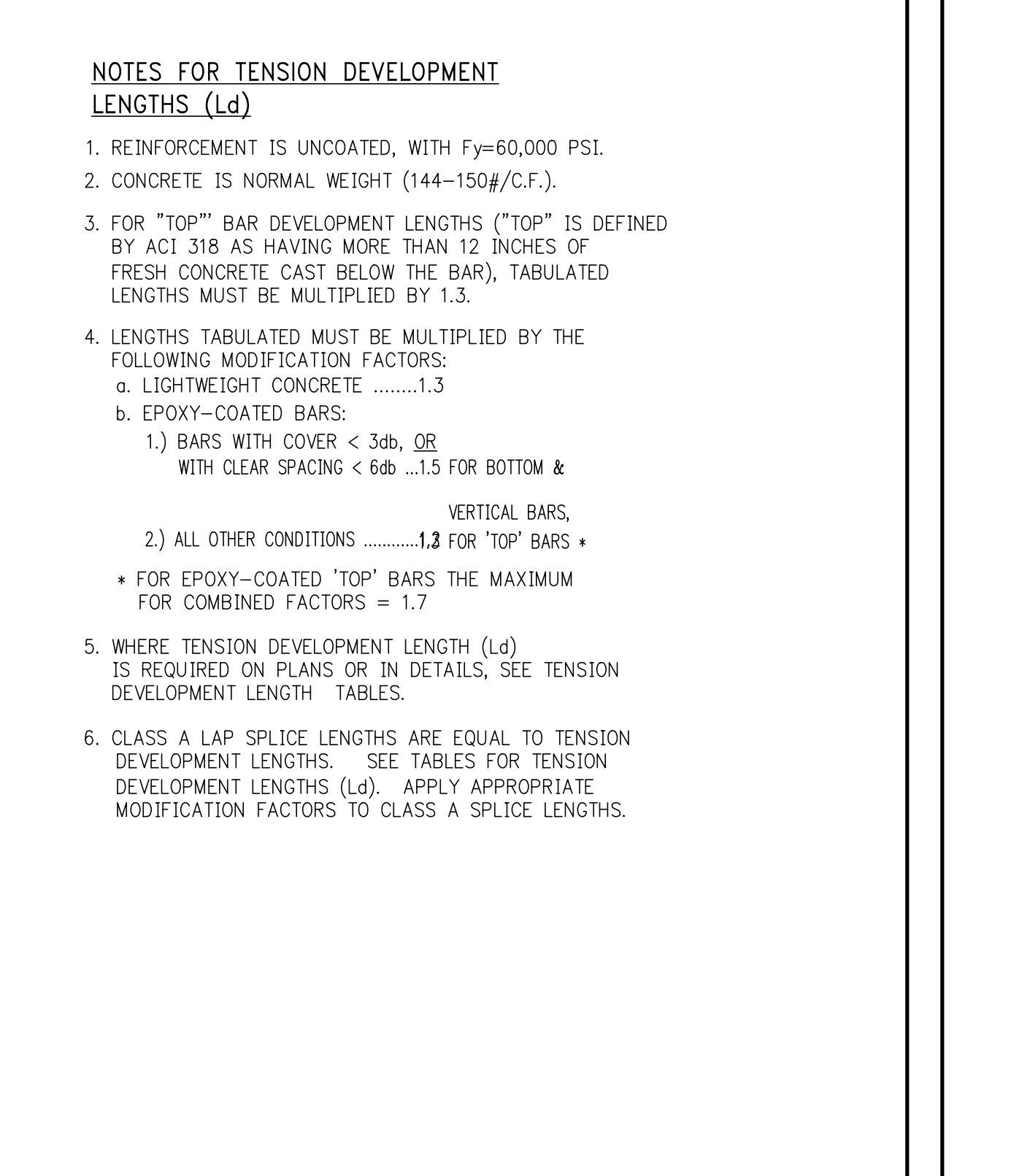


TABLE #3:
TENSION DEVELOPMENT LENGTHS FOR STANDARD END HOOKS (ldh) (LENGTHS IN INCHES)

BAR SIZE	CONCRETE STRENGTH (PSI)					
	3,000	4,000	5,000	6,000	7,000	8,000
#3	9	7	7	6	6	6
#4	11	10	9	8	7	7
#5	14	12	11	10	9	8
#6	17	15	13	12	11	10
#7	19	17	15	14	13	11
#8	22	19	17	16	15	14
#9	25	22	19	18	16	15
#10	28	24	22	20	19	17
#11	31	27	24	22	21	19
#14	37	32	29	27	25	23
#18	50	43	39	35	33	31

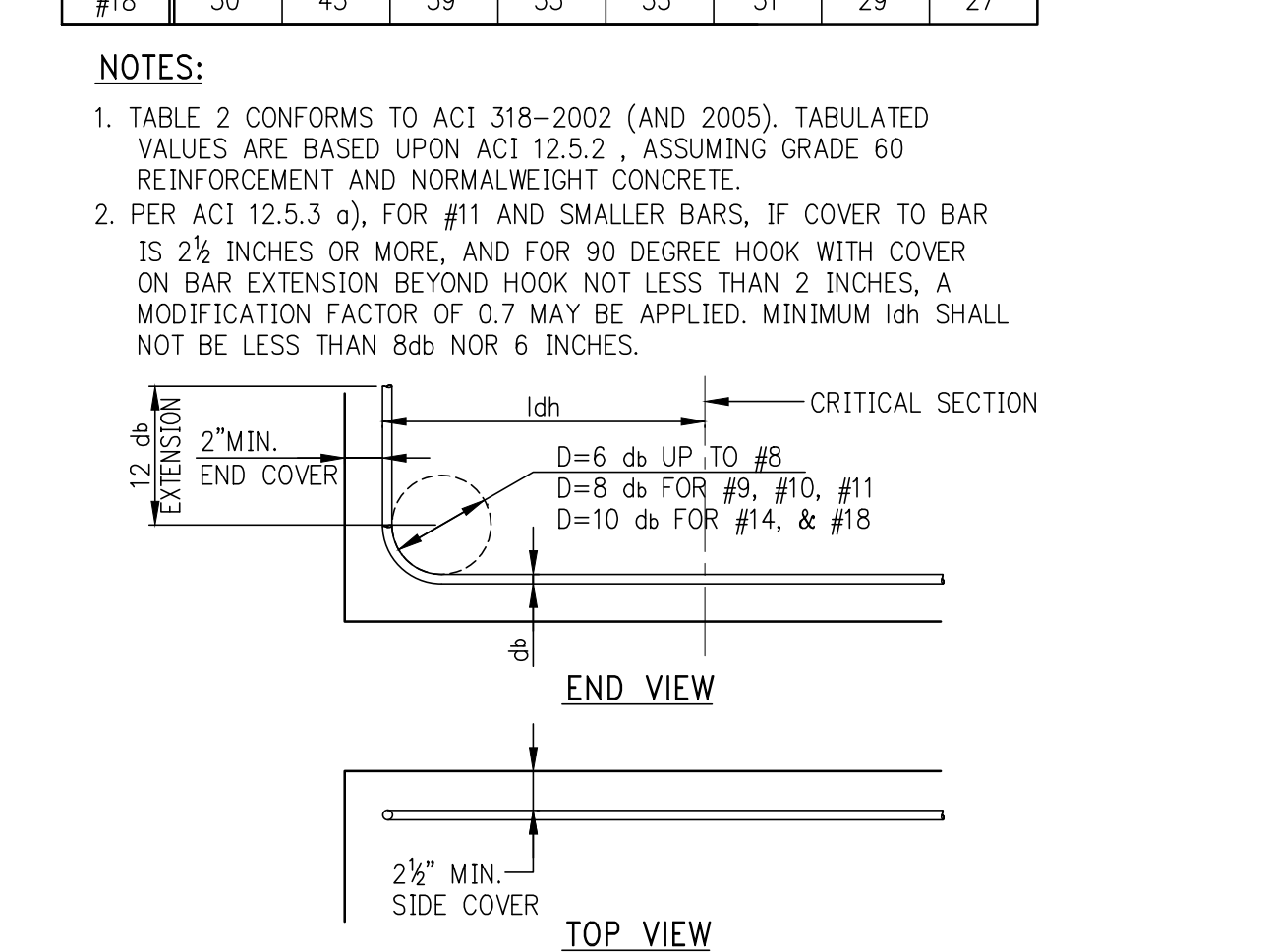


TABLE #4:
COMPRESSION LAP SPICES (LENGTHS IN INCHES)

BAR SIZE	GRADE OF REINFORCEMENT		
	60 KSI (30 DIA.)	75 KSI (44 DIA.)	80 KSI (48 DIA.)
#3	12	17	18
#4	15	22	24
#5	19	28	30
#6	23	33	36
#7	27	39	42
#8	30	44	48
#9	34	50	54
#10	38	56	61
#11	43	62	68

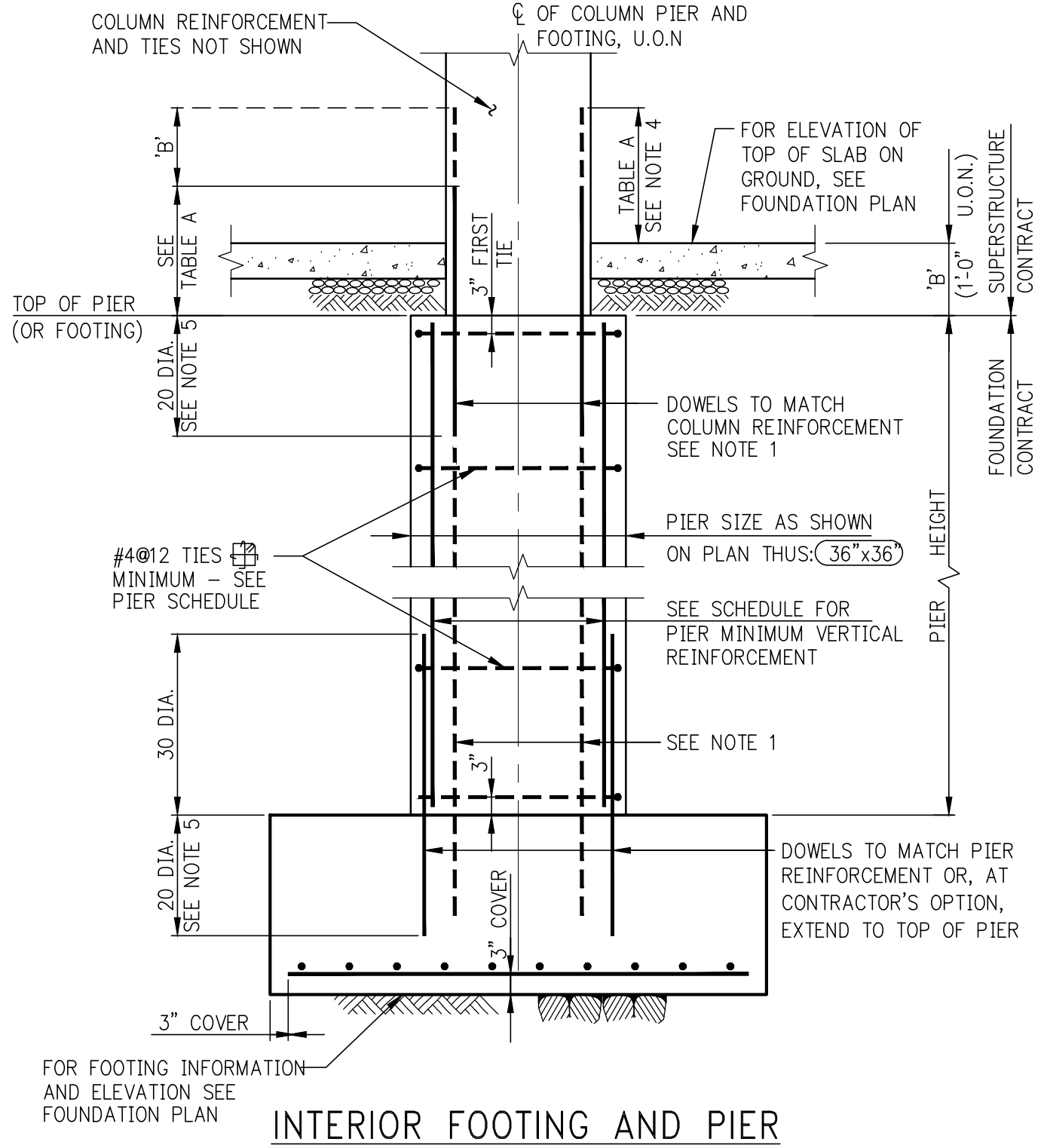
1. LAP SPICES ARE NOT PERMITTED USE MECHANICAL CONNECTIONS OR WELDED SPICES FOR #4 AND #18, PER ACI 318 (12.14.3).
2. LAP SPICES OF #14 AND #18 BARS TO #11 AND SMALLER BARS ARE PERMITTED PER ACI 318 (12.16.2).

3. FOR BARS OF DIFFERENT SIZE, USE LARGER OF SPICE LENGTH OF SMALLER BAR (TABLE #3) OR DEVELOPMENT LENGTH OF LARGER BAR (FROM TABLE #4) PER ACI 318 (12.16.2).

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

TABLE #5:
DEVELOPMENT LENGTHS FOR BARS IN COMPRESSION (LENGTHS IN INCHES)

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



PIER: MINIMUM VERTICAL REINFORCEMENT

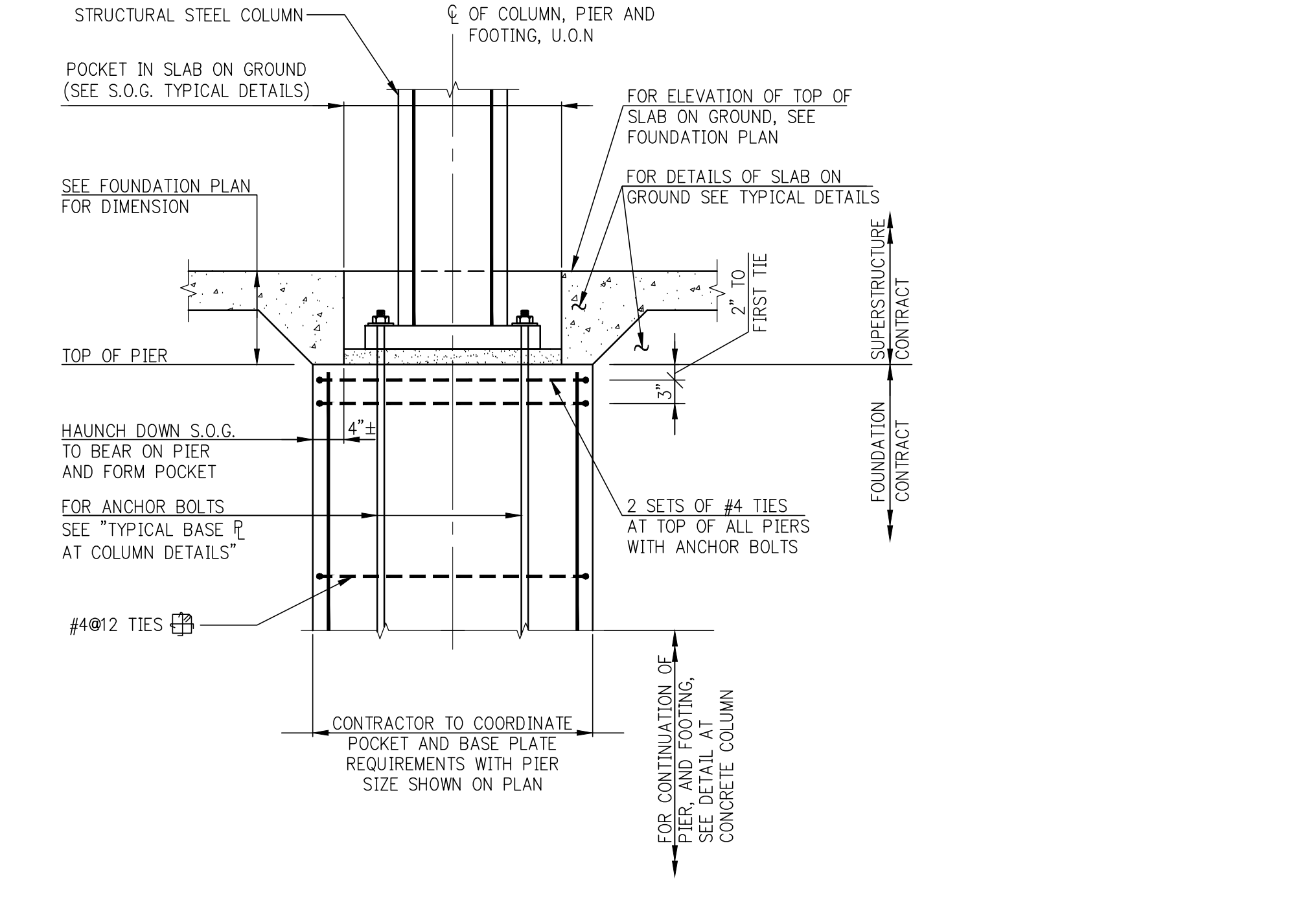
PIER SIZE (OR EQUIVALENT)	VERTICAL REINF.
UP TO 36x36	8-#6
37x37 TO 48x48	12-#6
49x49 TO 54x54	12-#7
55x55 TO 66x66	16-#7
67x67 TO 84x84	16-#8

OVER #4 TO BE SUPPLIED IN PIER SCHEDULE

NOTE:
THE PIER SCHEDULE MAY REQUIRE A GREATER AMOUNT OF REINFORCEMENT, BUT NOT LESS.

TABLE A:
COMPRESSION LAP SPICE LENGTH

BAR SIZE	$f_y=60$ KSI	$f_y=75$ KSI
#5 TO #11	30 DIA.	44 DIA.
#14 & #18	45"-#11 DOWELS	60"-#11 DOWELS



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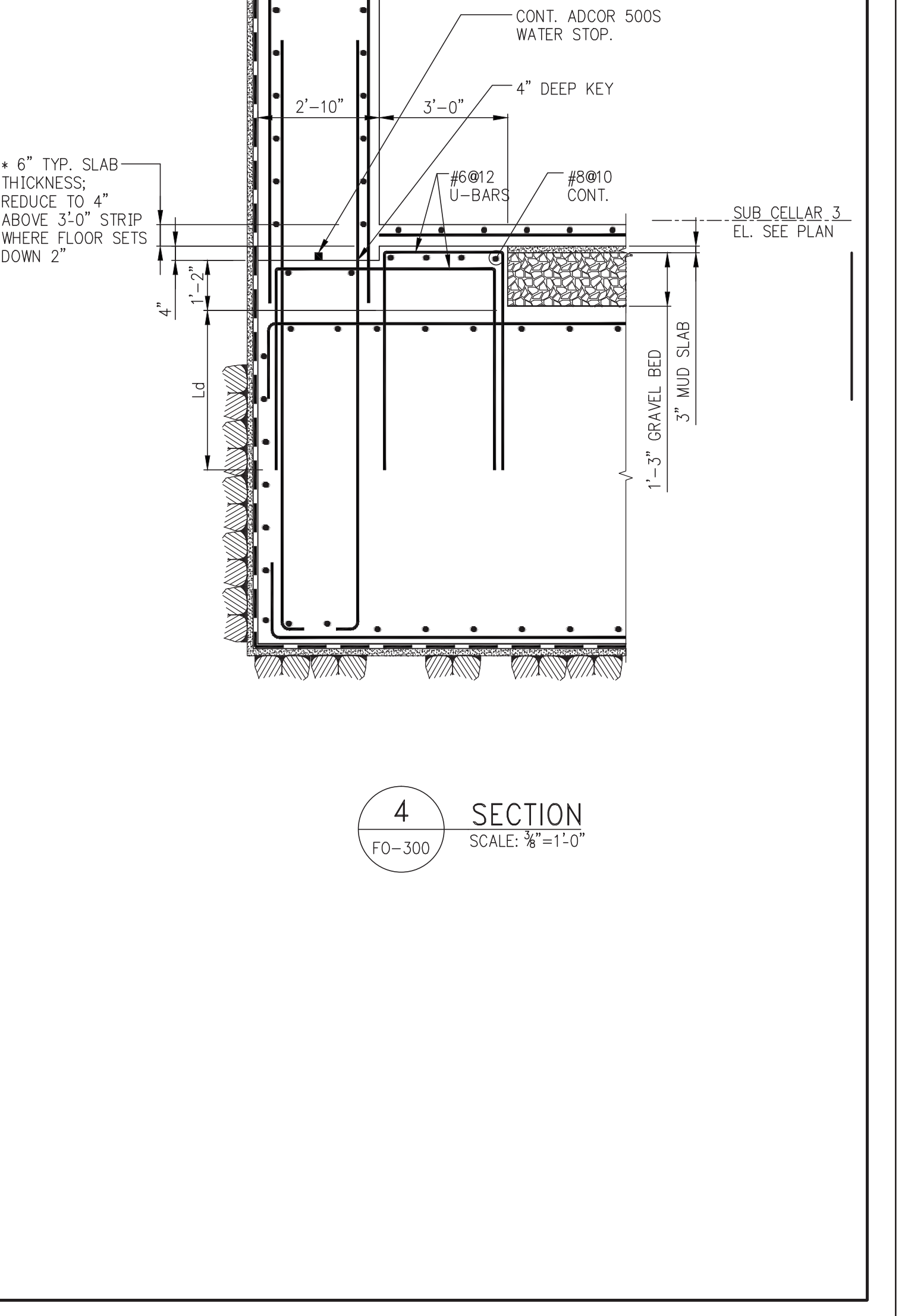
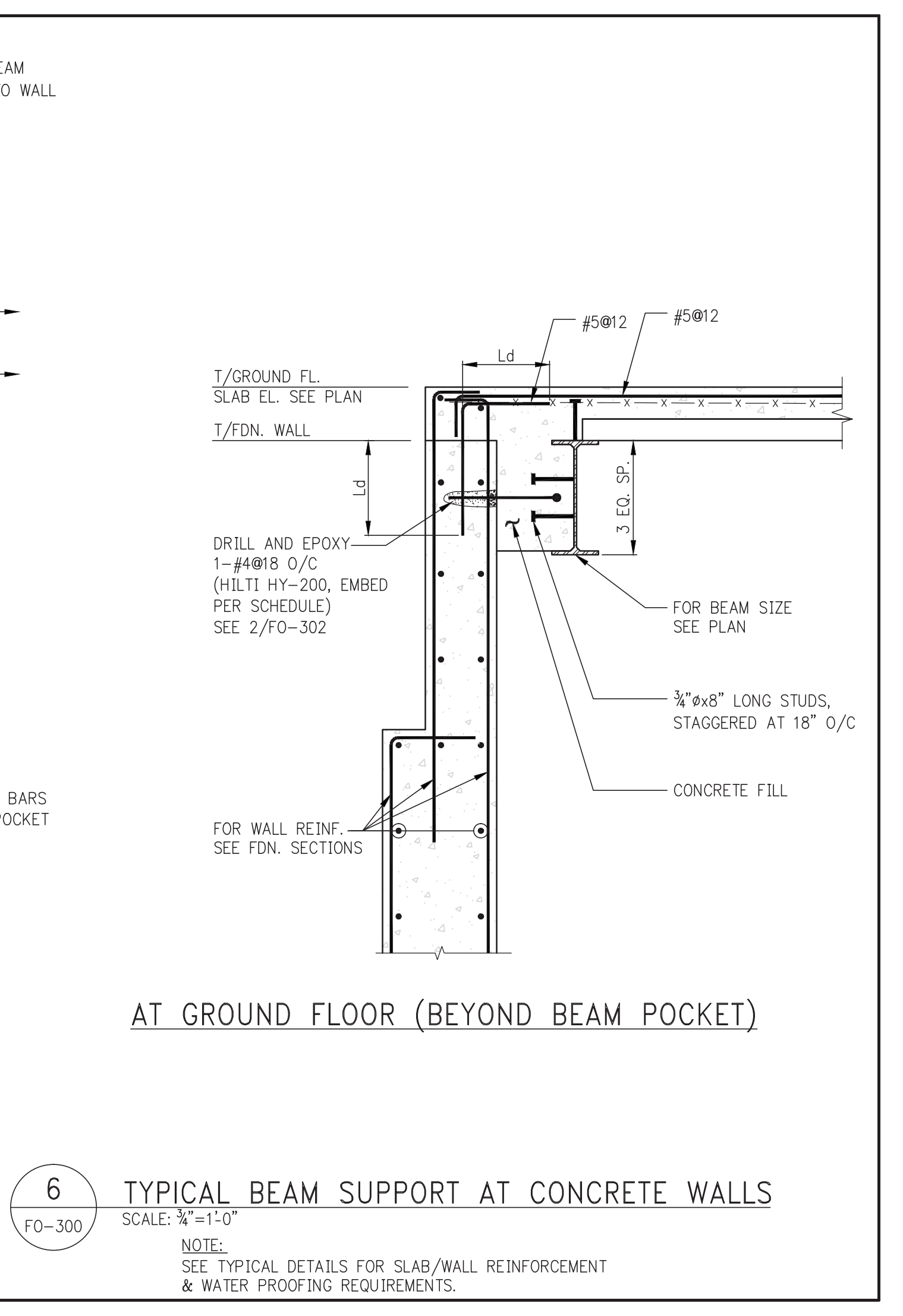
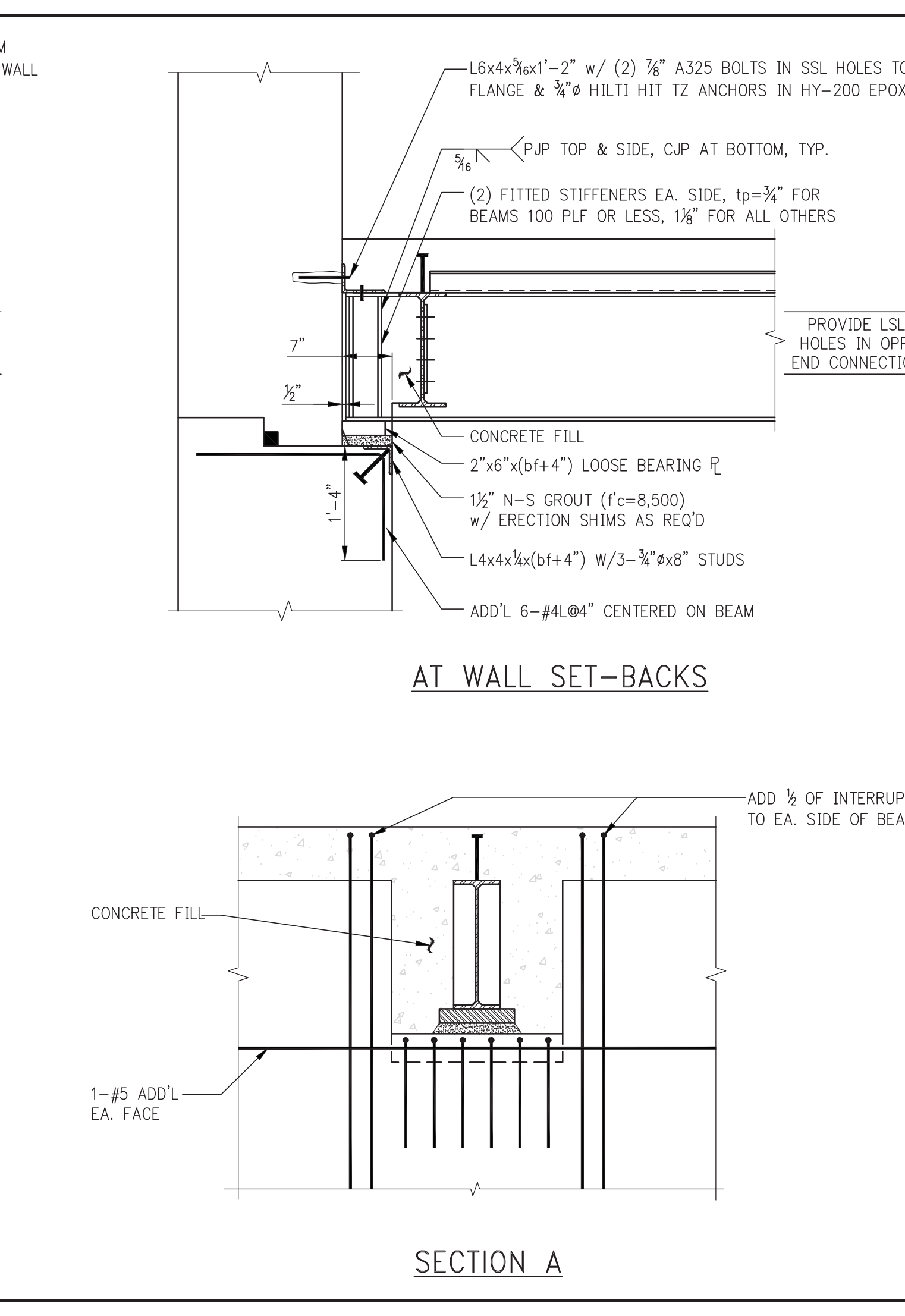
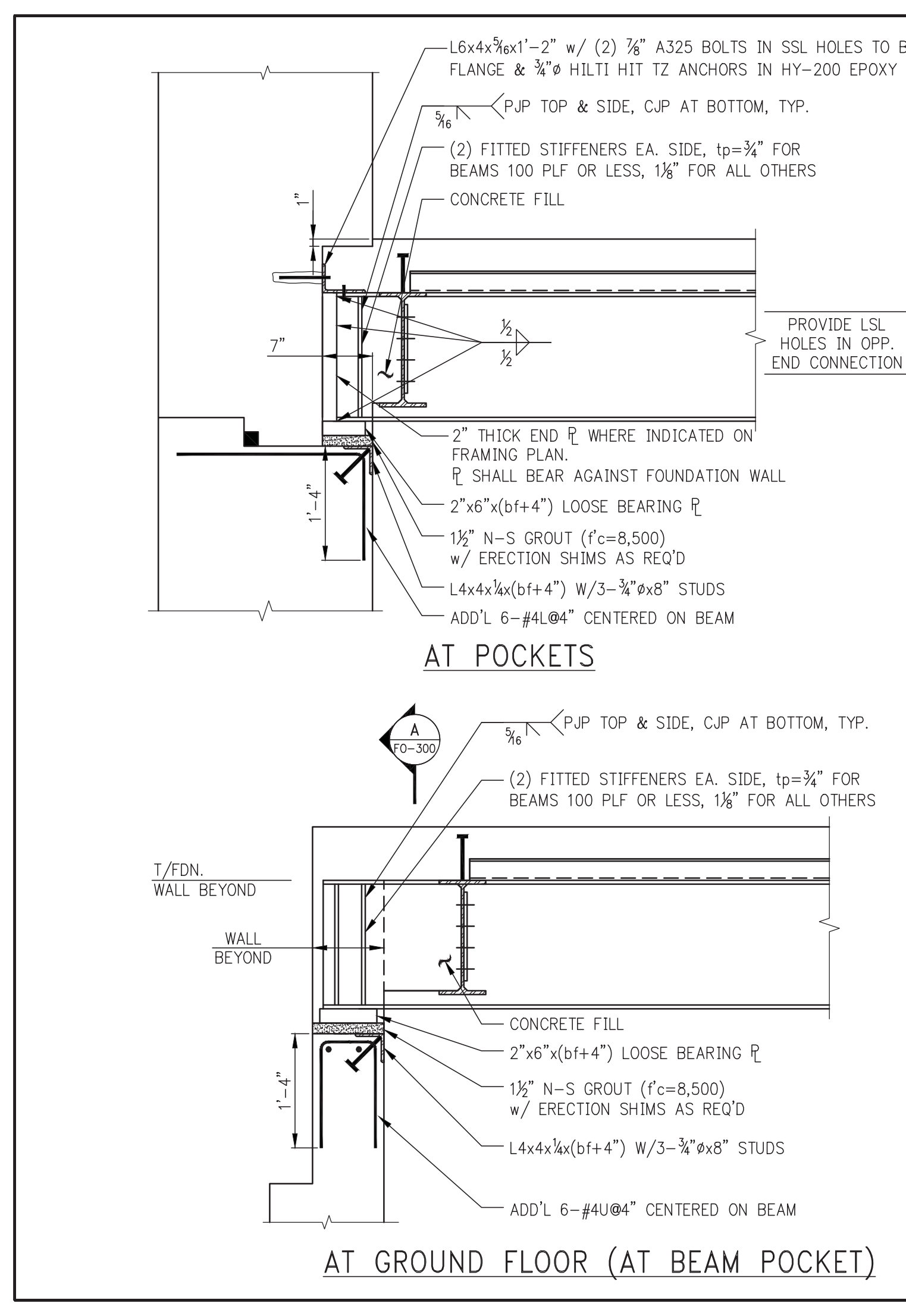
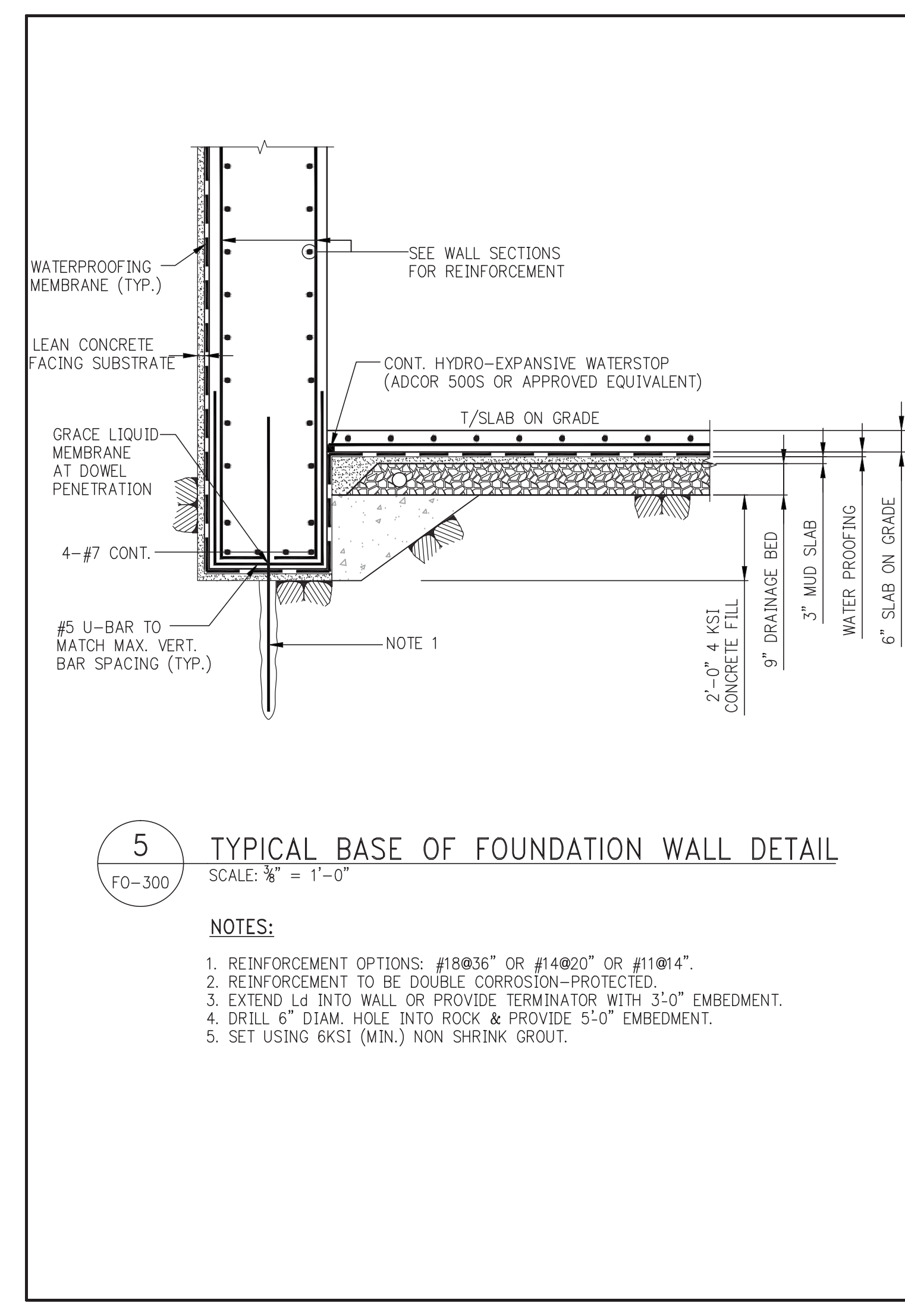
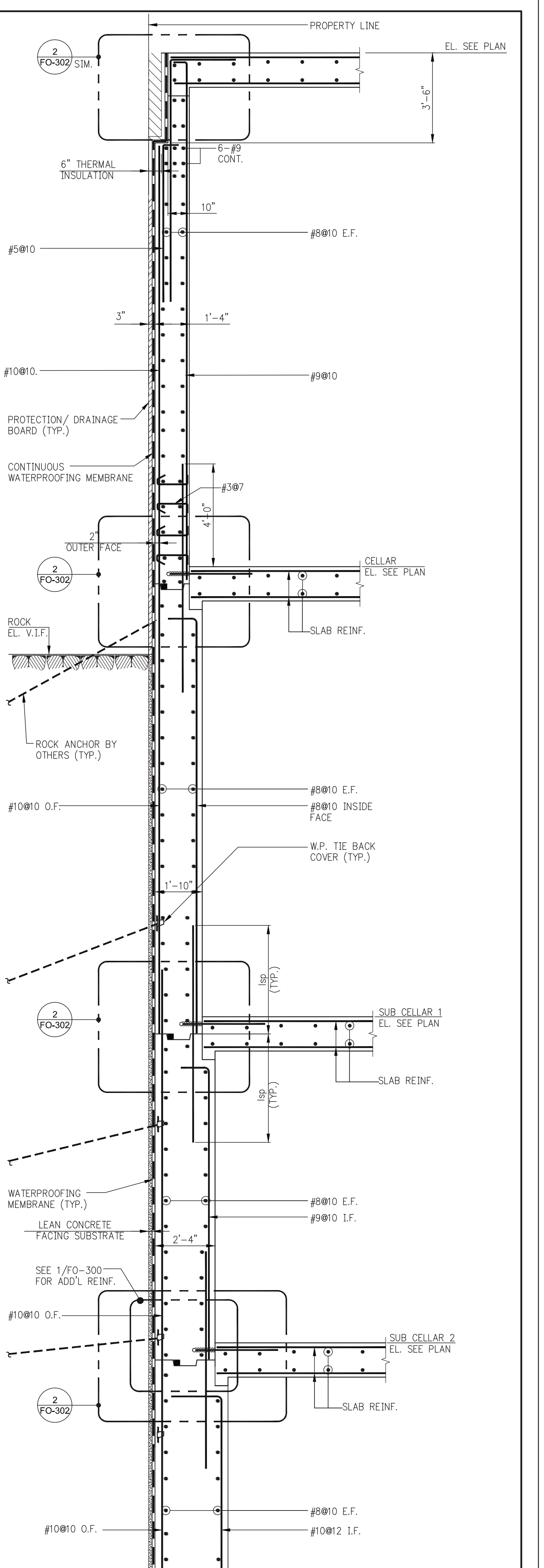
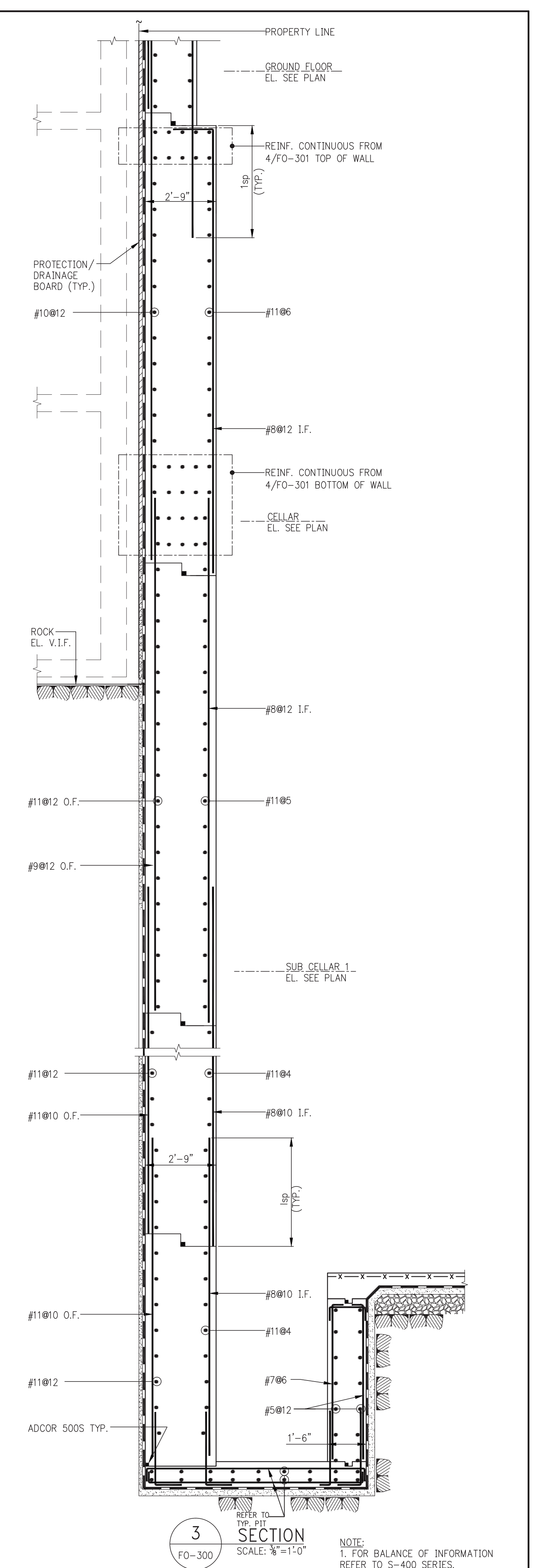
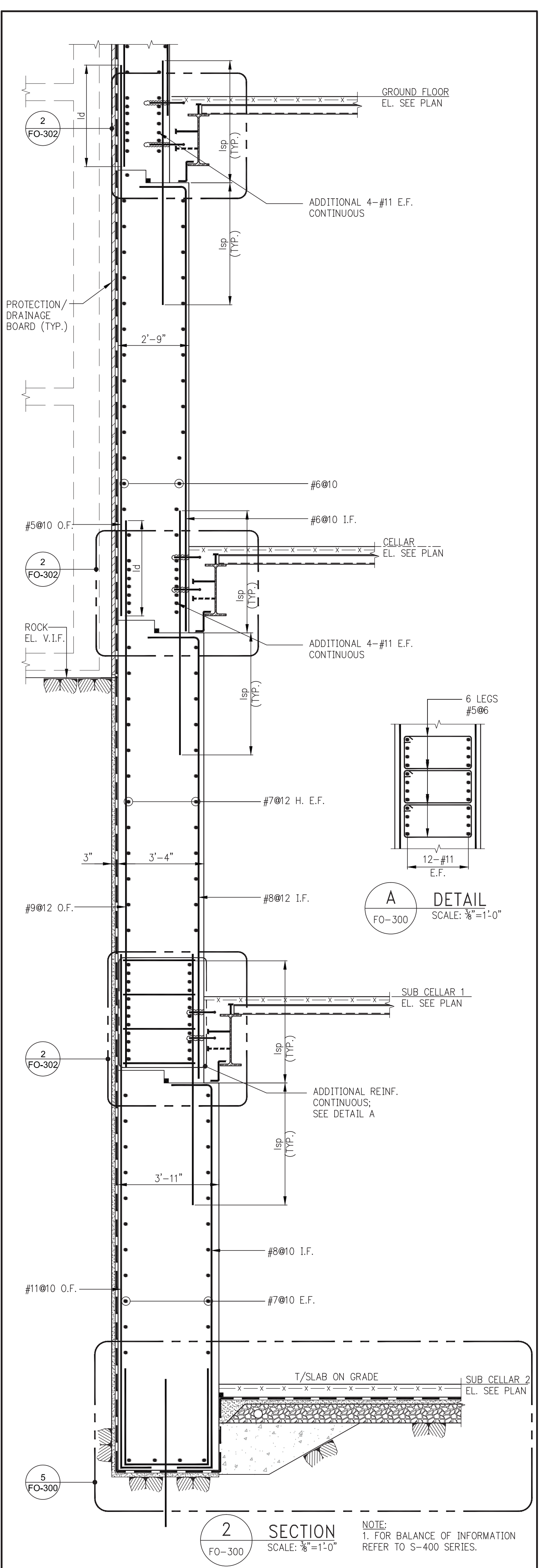
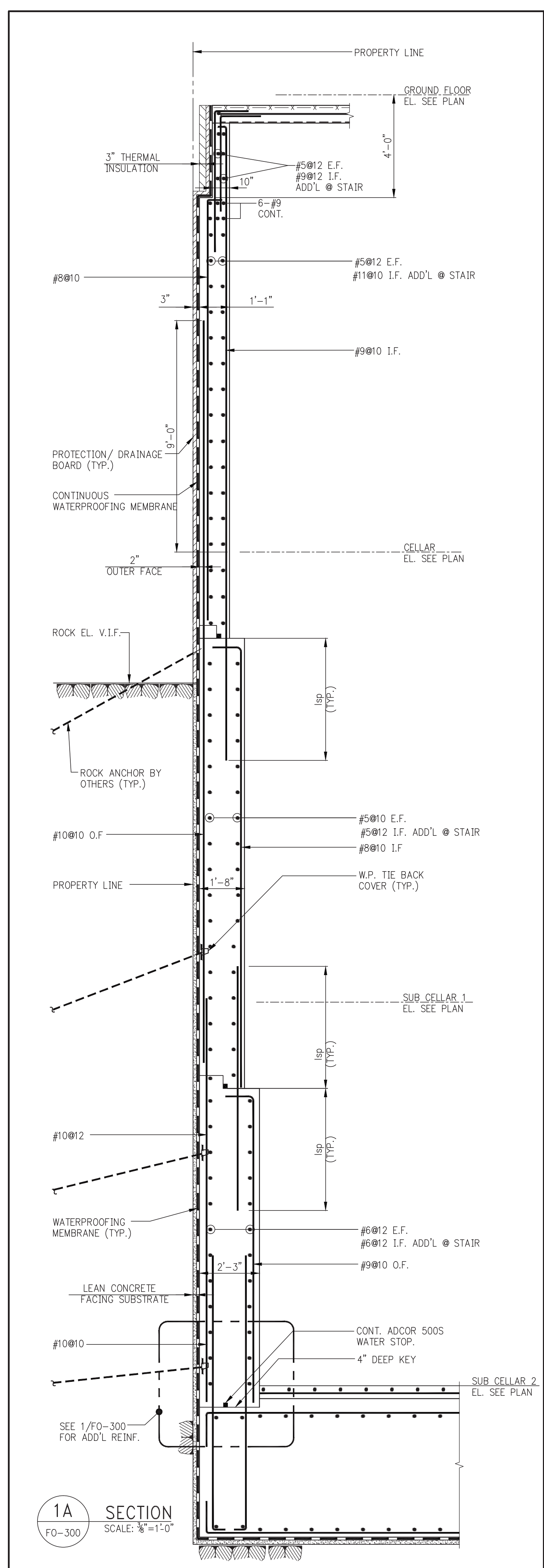
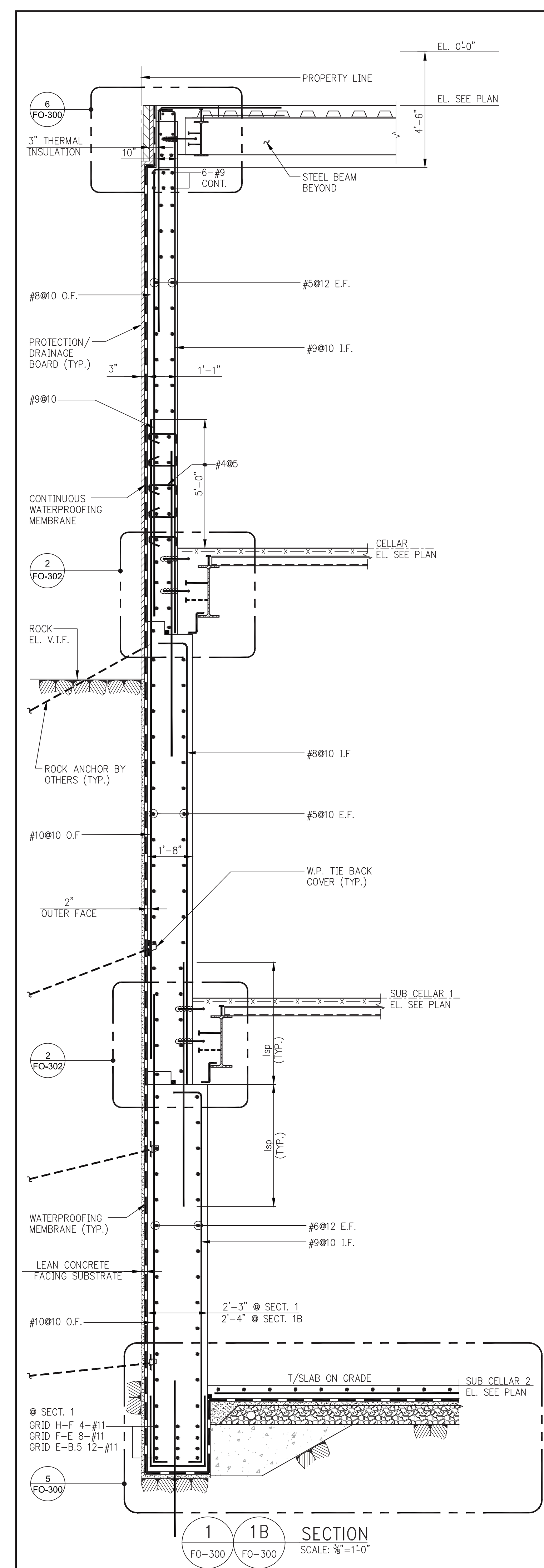
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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	FOUNDATION BID PACKAGE	03-31-2014
3	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
4	FOUNDATION BID PACKAGE	04-04-2014
5	STEEL BID PACKAGE	05



KEY PLAN

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4	FOUNDATION BID PACKAGE	04-04-2014
5	STEEL BID PACKAGE	05-22-2014
6	FOUNDATION 80% CD	05-22-2014
7	SUPERSTRUCTURE CONCRETE BID	06-02-2014
8	DOB FILING SET	08-17-2014
9	FOUNDATION 90% CD	07-01-2014
10	SK - 0004 RESPONSE TO RFI 0008	07-22-2014
11	SE ZONE STEEL BID	08-20-2014
12	STRUCTURAL STEEL BID	09-15-2014
13	CD PROGRESS ISSUE 1	10-15-2014
14	ISSUED FOR CONSTRUCTION UP TO 6TH FL. ONLY	11-07-2014
15	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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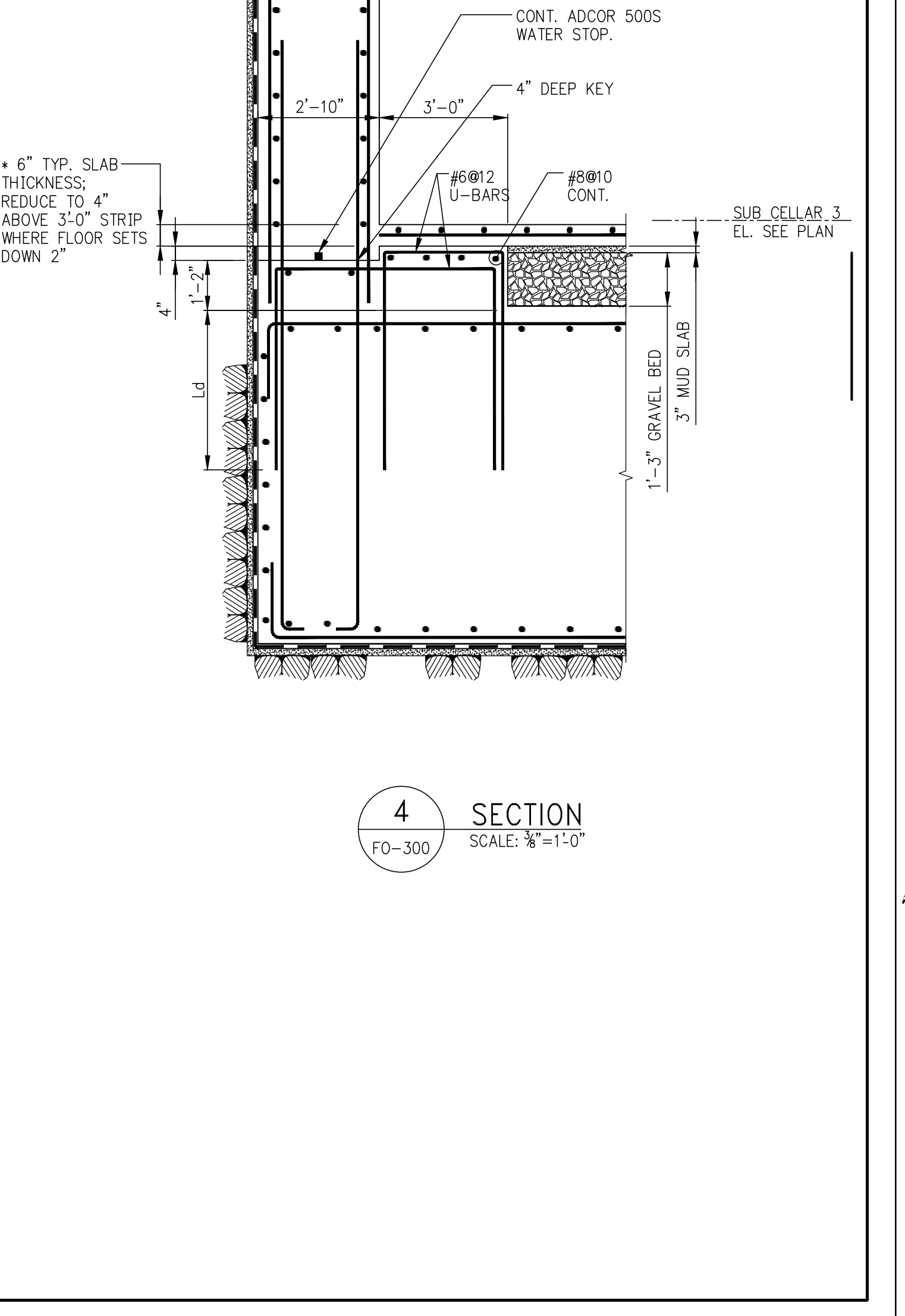
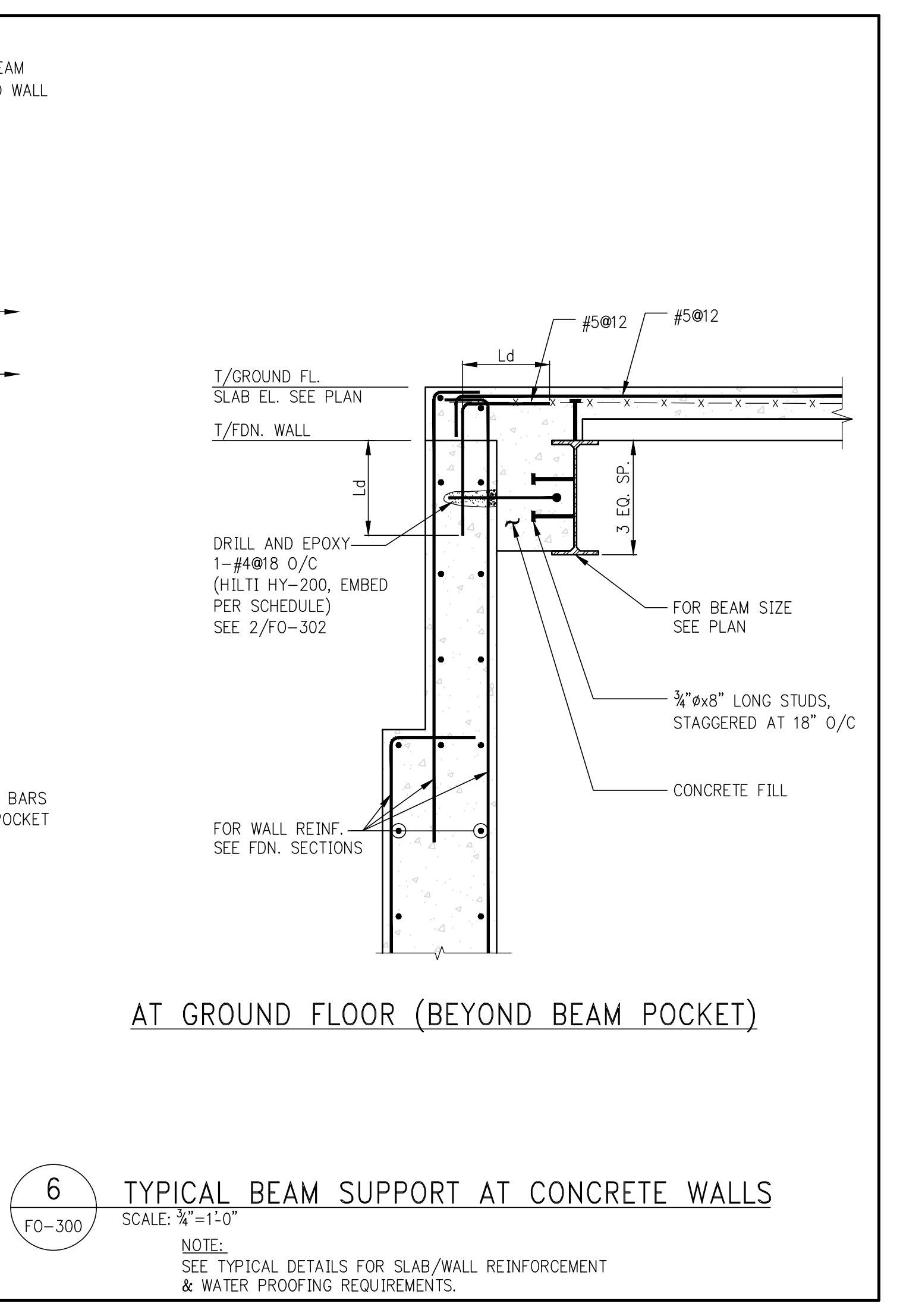
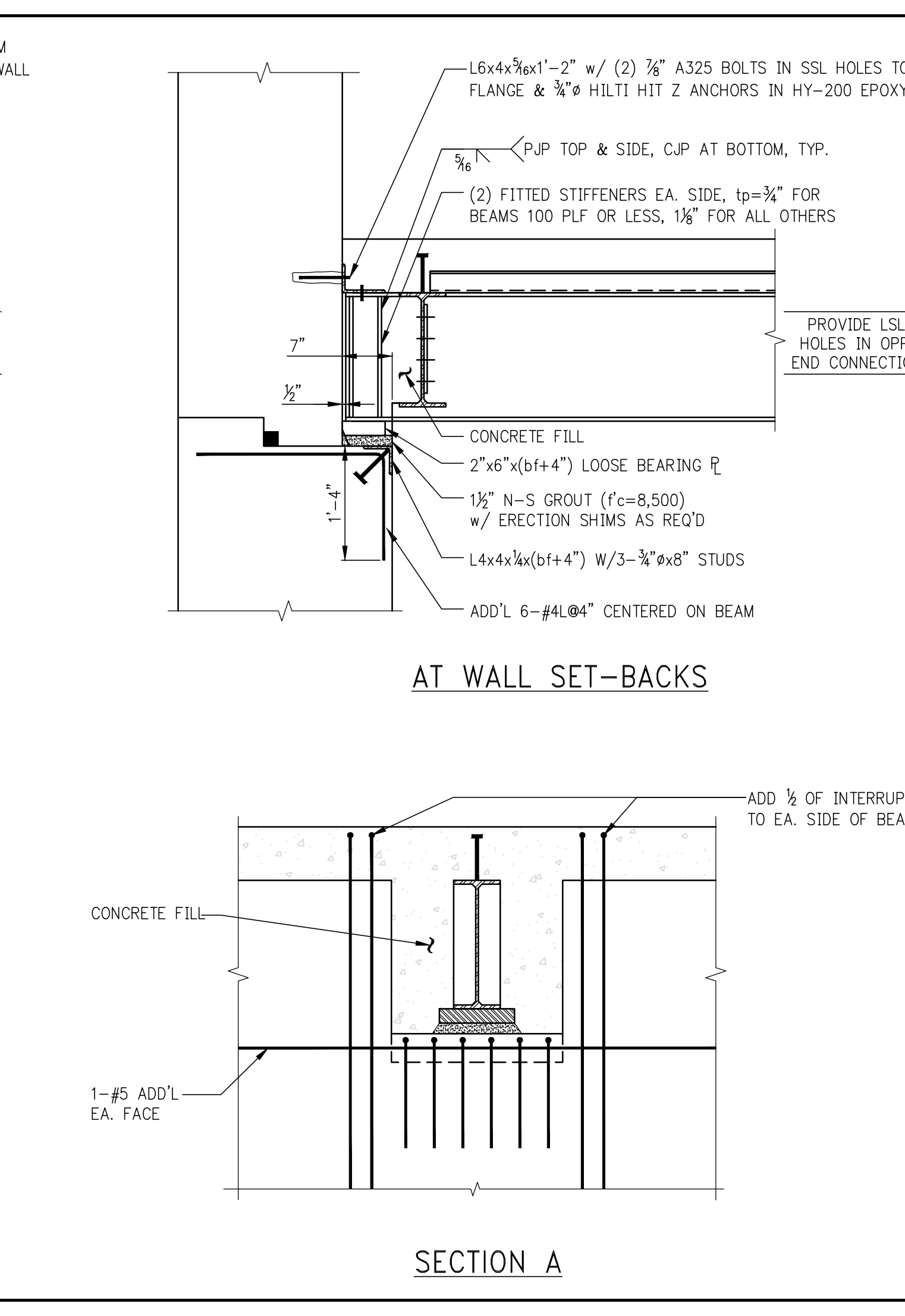
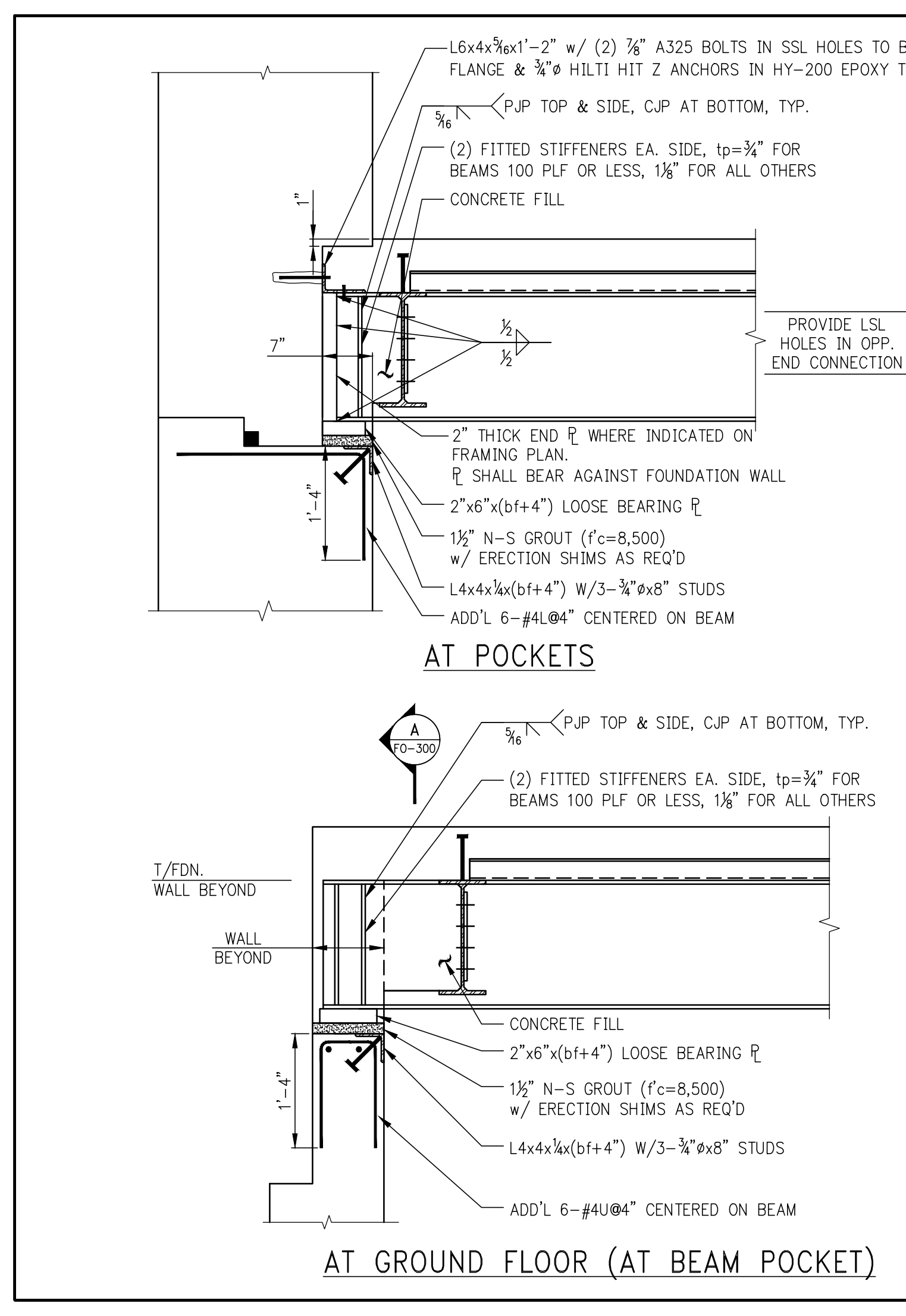
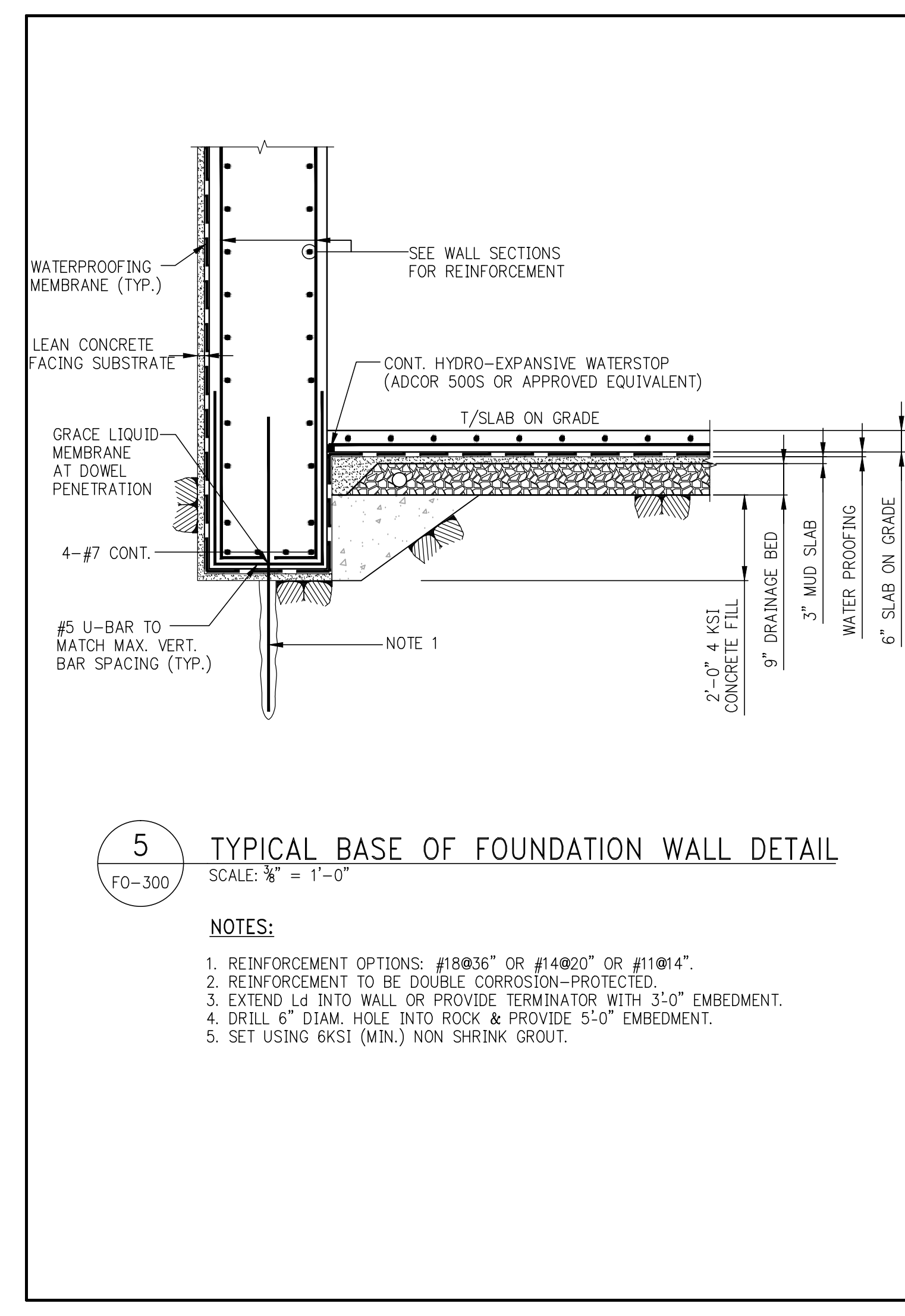
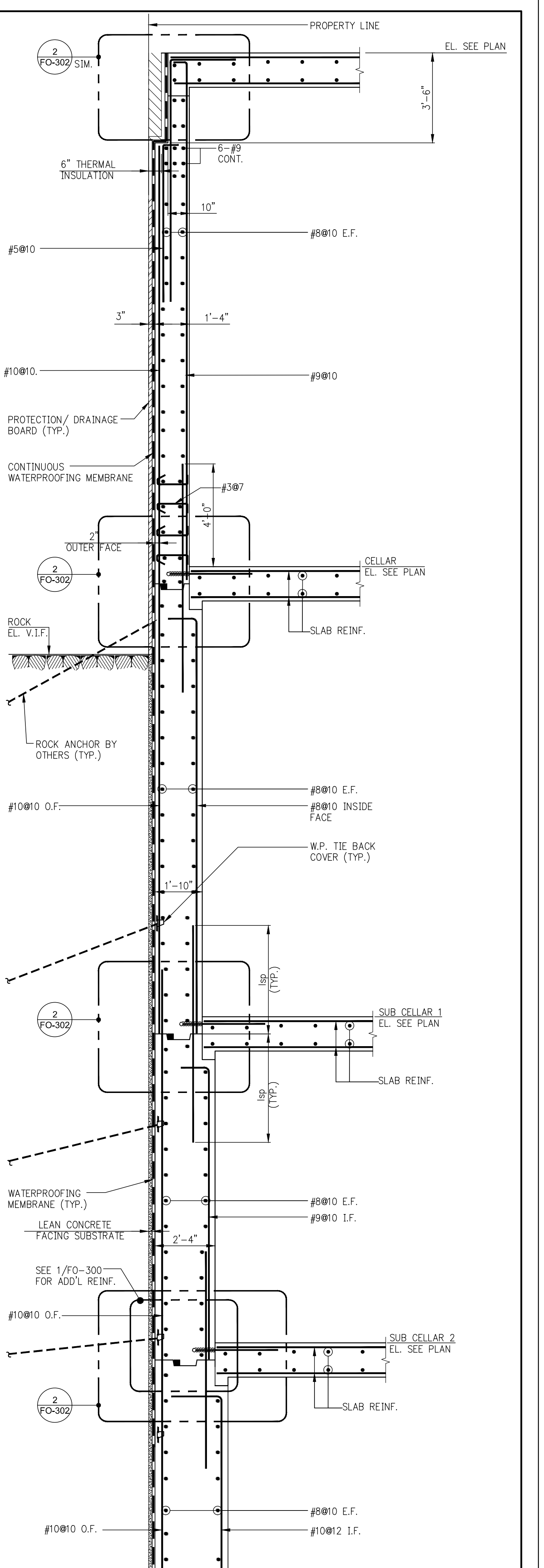
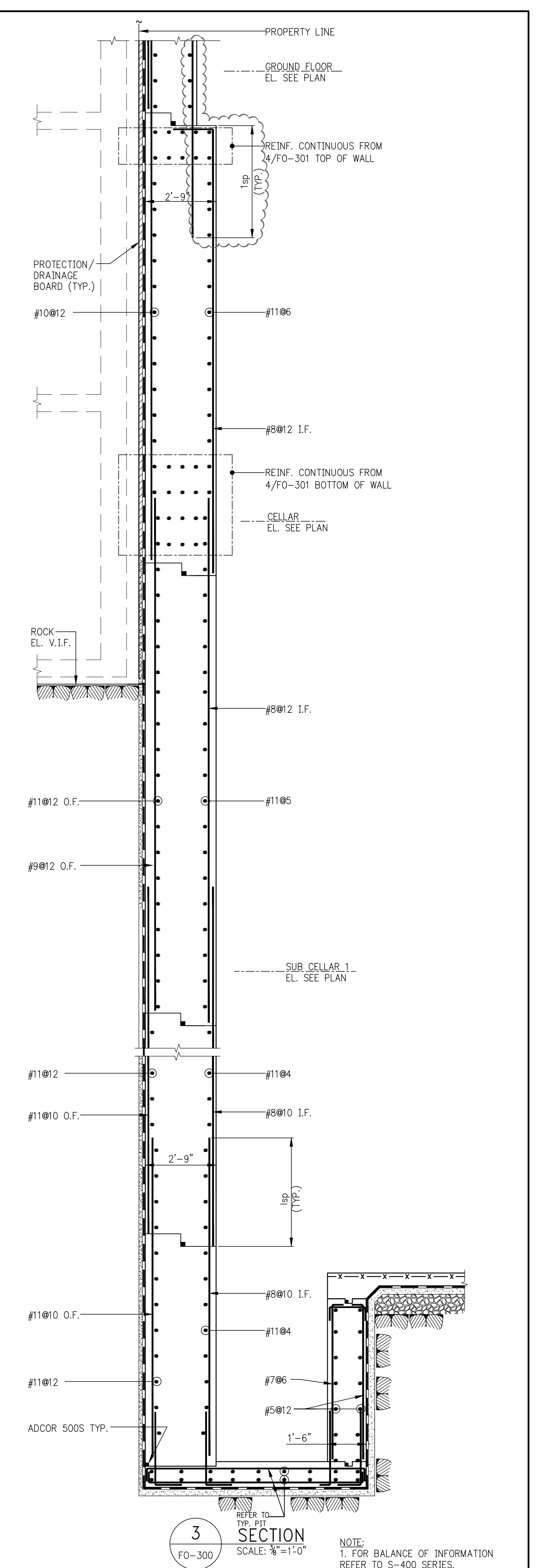
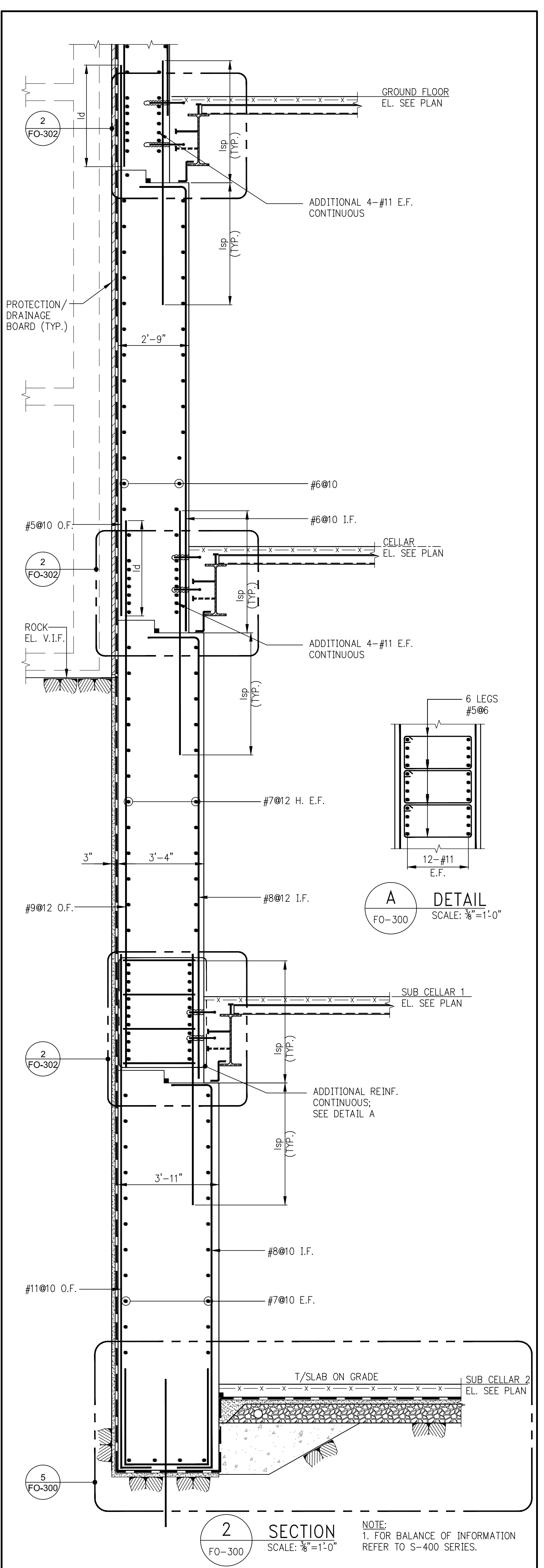
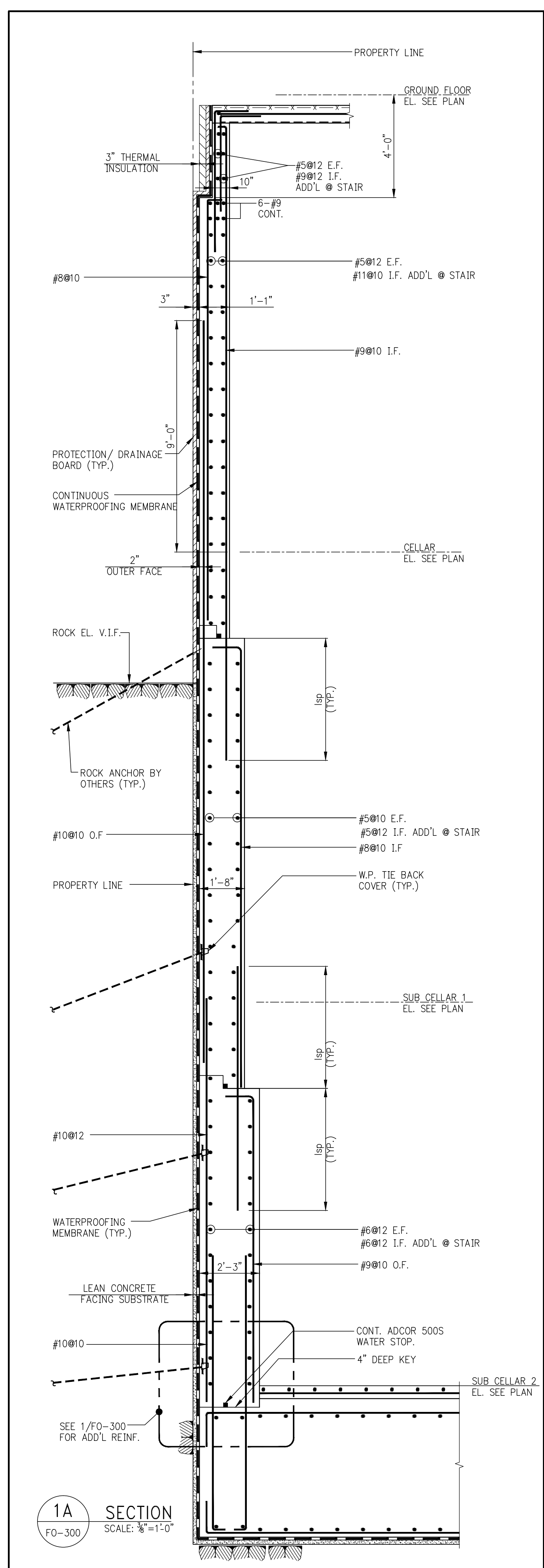
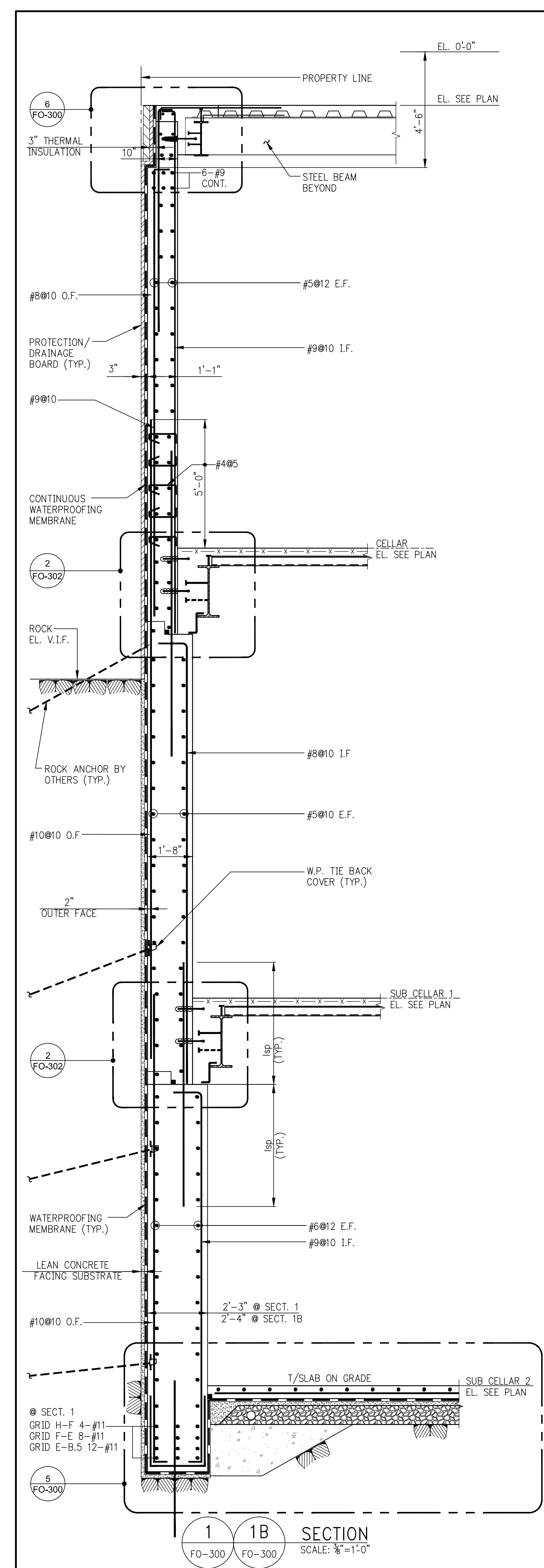
ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

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PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE: FOUNDATION SECTIONS 1

SCALE & SIGNATURE: DATE: 03/31/14
PROJECT No: 2012185
DRAWN: CADD REV: 15
CHK: Y.E. SCALE: AS INDICATED
DWG No: **FO-300.01**
DOB PAGE No: 10 OF 118
DOB EMPLOYEE ID: DOB 9-SCAN:



KEY PLAN

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

STRUCTURAL ENGINEERS: WSP
228 EAST 45TH STREET
NEW YORK, NY 10017 USA
TEL: 212 687 9888 FAX: 646 487 5001

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

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

CODE CONSULTANTS: Construction Consulting Associates
100 Church Street
NEW YORK, NY 10007
TEL: 212 385 5818 FAX: 212 385 1911

CURTAINWALL CONSULTANT: A.J.P. Consulting
40 Worth Street, Suite 826
NEW YORK, NY 10013
TEL: 212 757 8650 FAX: 646 219 8508

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

No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	FOUNDATION BID PACKAGE	03-31-2014
3	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
4	FOUNDATION BID PACKAGE	04-04-2014
5	STEEL BID PACKAGE	05-22-2014
6	FOUNDATION 80% CD	05-22-2014
7	SUPERSTRUCTURE CONCRETE BID	06-02-2014
8	DOB FILING SET	06-17-2014
9	FOUNDATION 90% CD	07-01-2014
10	BK - 0004 RESPONSE TO RFI 0008	07-22-2014
11	SE ZONE STEEL BID	08-20-2014
12	STRUCTURAL STEEL BID	09-15-2014
13	CD PROGRESS ISSUE 1	10-15-2014
14	ISSUED FOR CONSTRUCTION	11-07-2014
15	DOB SUBMISSION	12-19-2014
16	CD PROGRESS ISSUE 2	12-19-2014
17	DOB SUBMISSION	02-05-2015

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ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

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

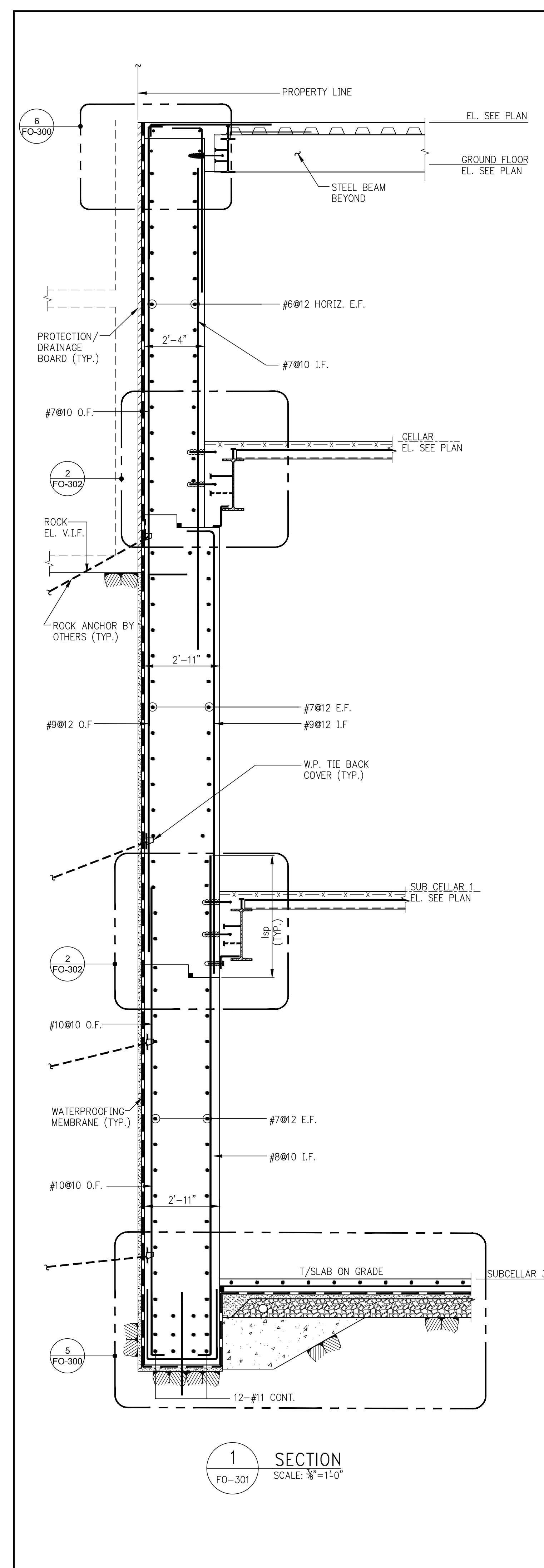
PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE: FOUNDATION SECTIONS 1

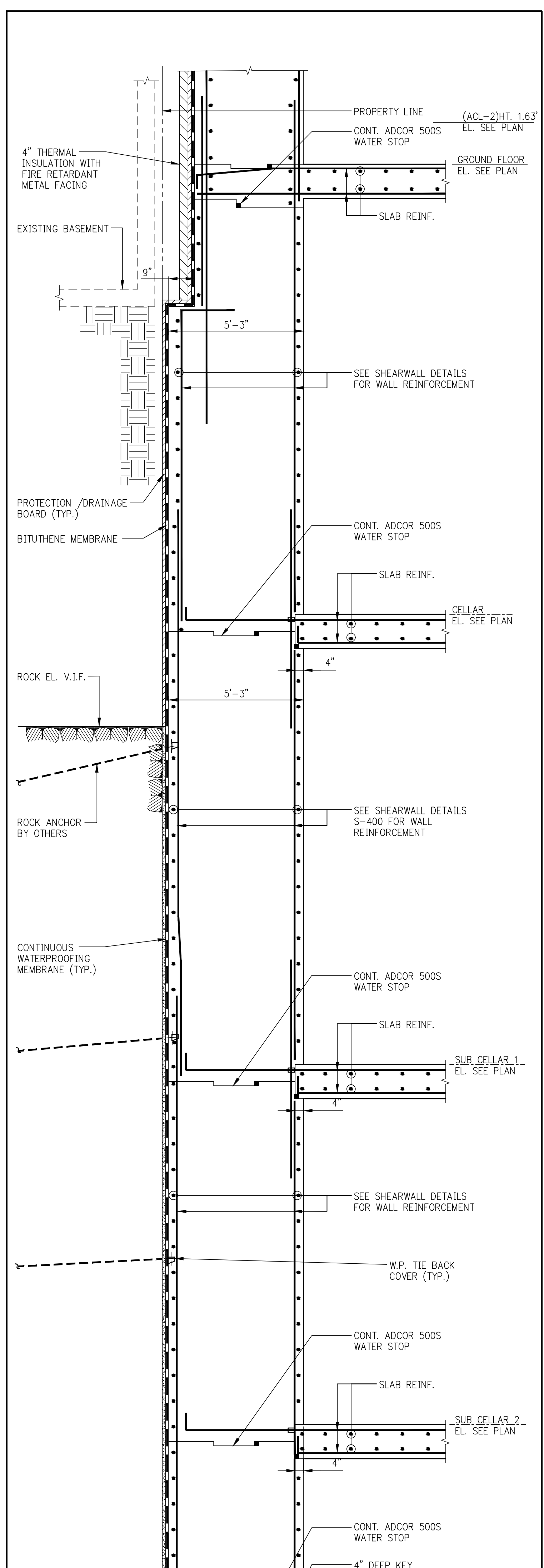
DATE: 03/31/14
PROJECT No: 2012185
DRAWN: CADD
CHK: Y.E.
SCALE: AS INDICATED
DWG No: **FO-300.02**
DOB PAGE No: of
DOB 5-CAN:

17

SEAL & SIGNATURE: [Professional Seal]

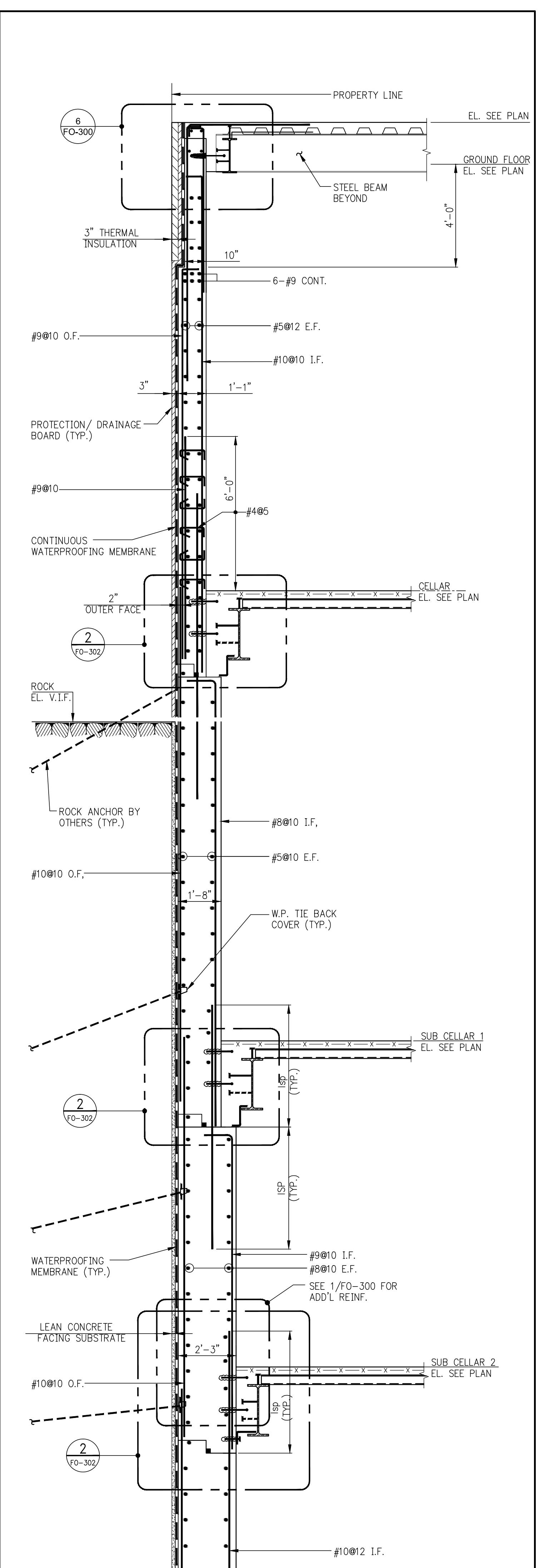


1 SECTION
FO-301
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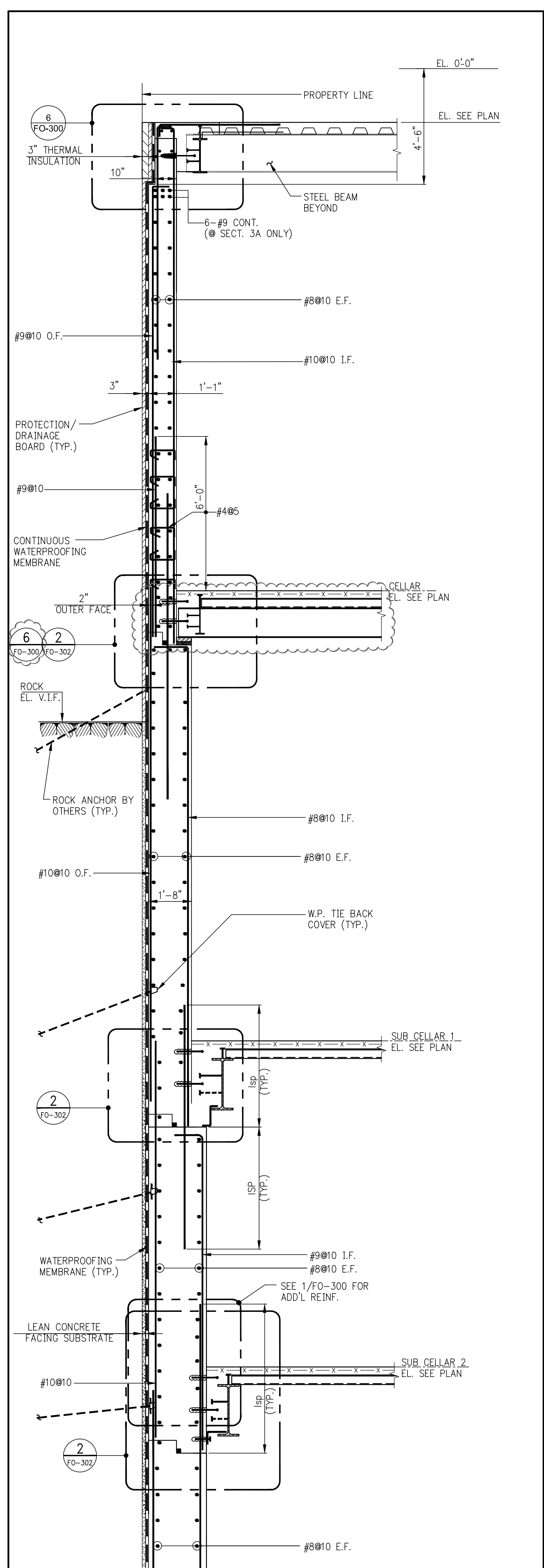


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FO-301
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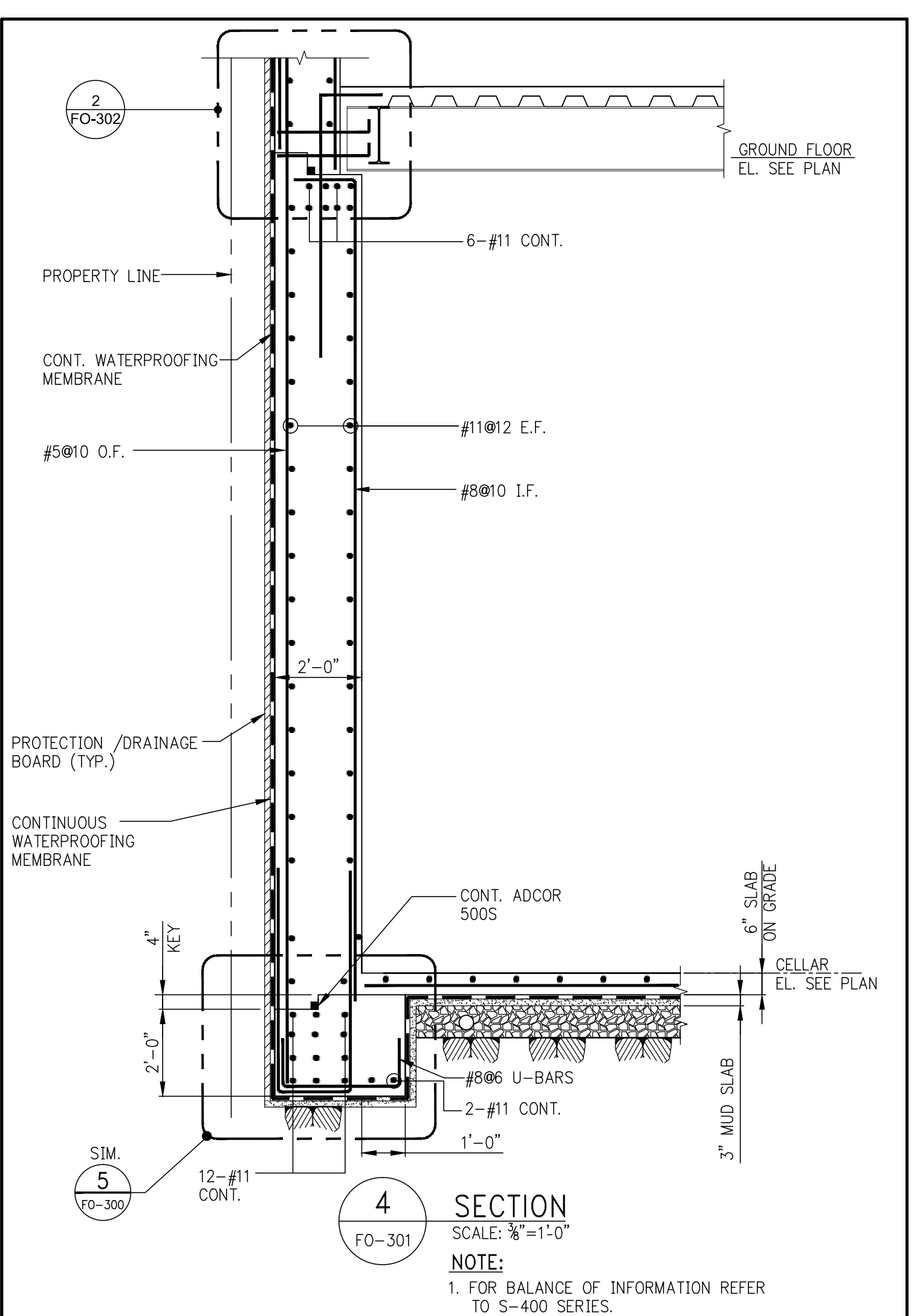
NOTE:
1. FOR BALANCE OF INFORMATION REFER TO S-400 SERIES.



3 SECTION
FO-301
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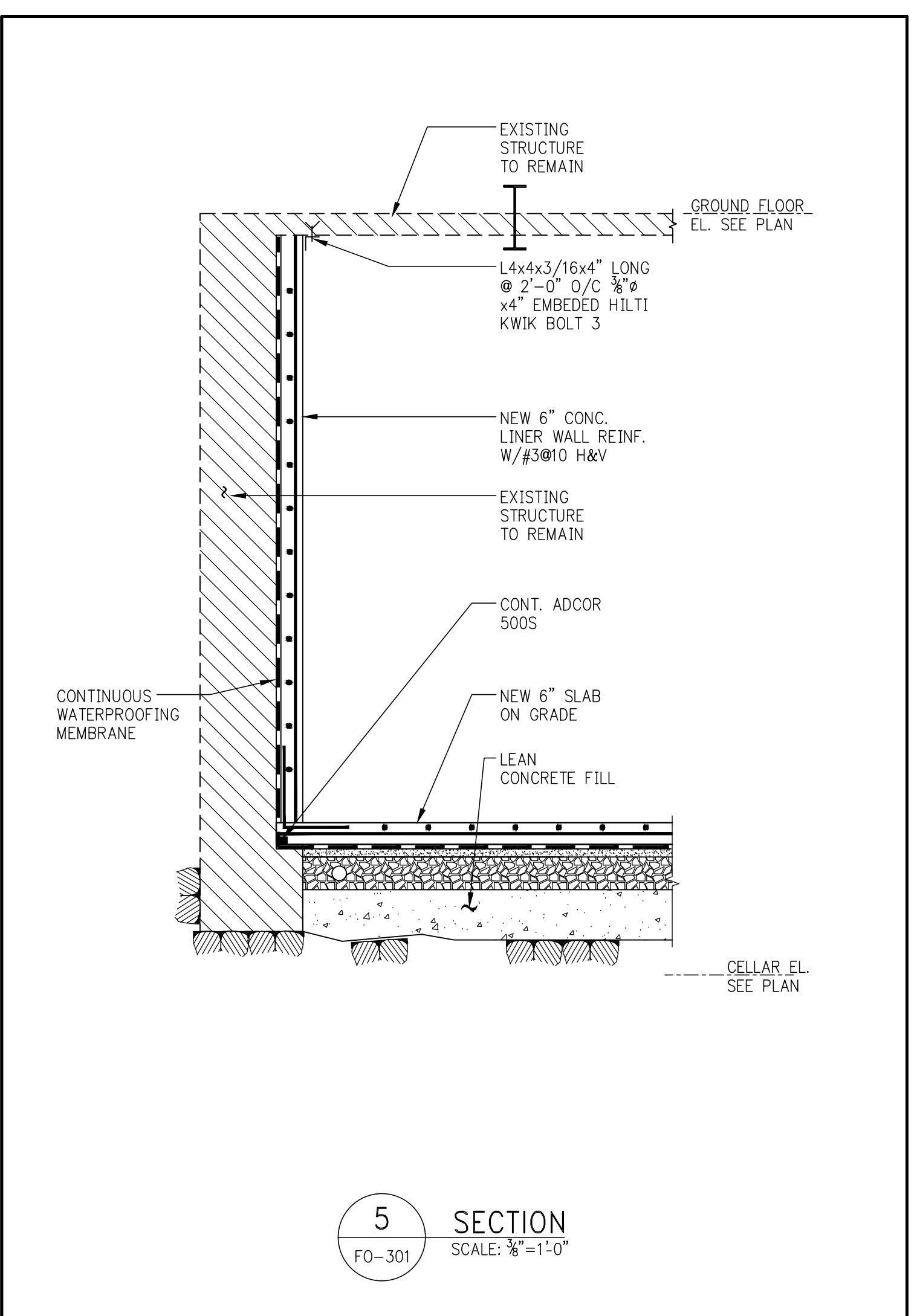


3A 3B SECTION
FO-301 FO-301
SCALE: 3/8"=1'-0"

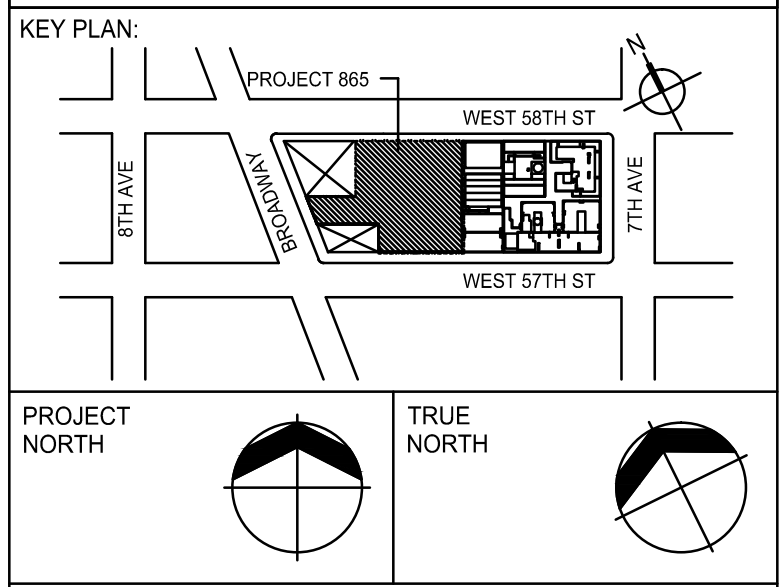


4 SECTION
FO-301
SCALE: 3/8"=1'-0"

NOTE:
1. FOR BALANCE OF INFORMATION REFER TO S-400 SERIES.



5 SECTION
FO-301
SCALE: 3/8"=1'-0"



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

DESIGN ARCHITECT: **Base Building Shell & Core**
ADRIAN SMITH + GORDON GILL ARCHITECTURE
111 WEST MONROE STREET SUITE 2300
CHICAGO, IL 60603
TEL: 312 420 1888 FAX: 312 903 1775

INTERIOR DESIGNER: **Residential**
Rotter Architecture and Design Studio, PLLC
288 Fifth Ave, 7th Floor
New York, NY 10001
TEL: 646 988 7000 FAX: 646 487 5001

ARCHITECT OF RECORD: **Base Building Shell, Core, & Residential**
AAI ARCHITECTS, P.C.
401 West 40th St., 3rd Floor
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228 EAST 45th STREET
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MEP ENGINEERS: **AKF GROUP**
1501 Broadway
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GEOTECHNICAL ENGINEERS: **Langan Engineering & Environmental Services**
21 Penn Plaza - 380 West 31st Street, 8th Floor
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CODE CONSULTANTS: **Construction Consulting Associates**
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CURTAINWALL CONSULTANT: **A.J.P. Consulting**
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TEL: 212 757 8650 FAX: 646 219 8508

LANDMARK/PRESERVATION CONSULTANT: **Jan Hird Pokorny Associates, Inc.**
39 West 37th Street, 12A
New York, NY 10018
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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
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6	FOUNDATION 80% CD	05-22-2014
7	SUPERSTRUCTURE CONCRETE BID	06-02-2014
8	DOB FILING SET	06-17-2014
9	FOUNDATION 90% CD	07-23-2014
10	SK - 0005 RESPONSE TO RFI 0008	07-22-2014
11	SE ZONE STEEL BID	08-20-2014
12	STRUCTURAL STEEL BID	09-15-2014
13	CD PROGRESS ISSUE 1	10-15-2014
14	ISSUED FOR CONSTRUCTION	11-07-2014
15	DOB SUBMISSION	12-19-2014
16	CD PROGRESS ISSUE 2	12-18-2014
17	DOB SUBMISSION	02-08-2015

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CONSULTANT: **WSP**
228 East 45th Street
New York, NY 10017
(212) 687-9888
www.wspgroup.com/usa

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

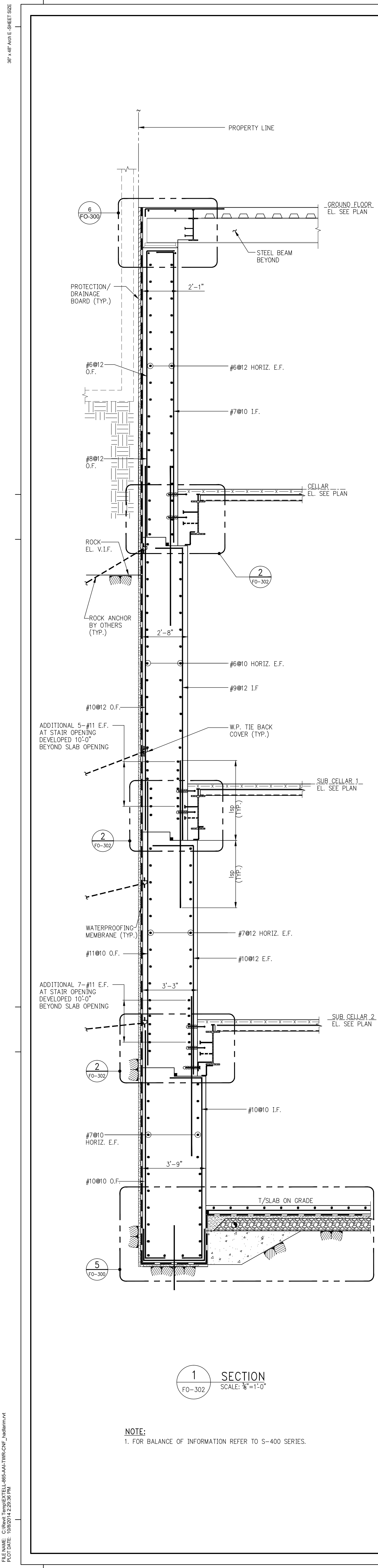
DRAWING TITLE: **FOUNDATION
SECTIONS 2**

DATE: 03/31/14
PROJECT No: 2012185

DRAWN: CADD
CHK: Y.E.
SCALE: AS INDICATED
DWG No: **17**

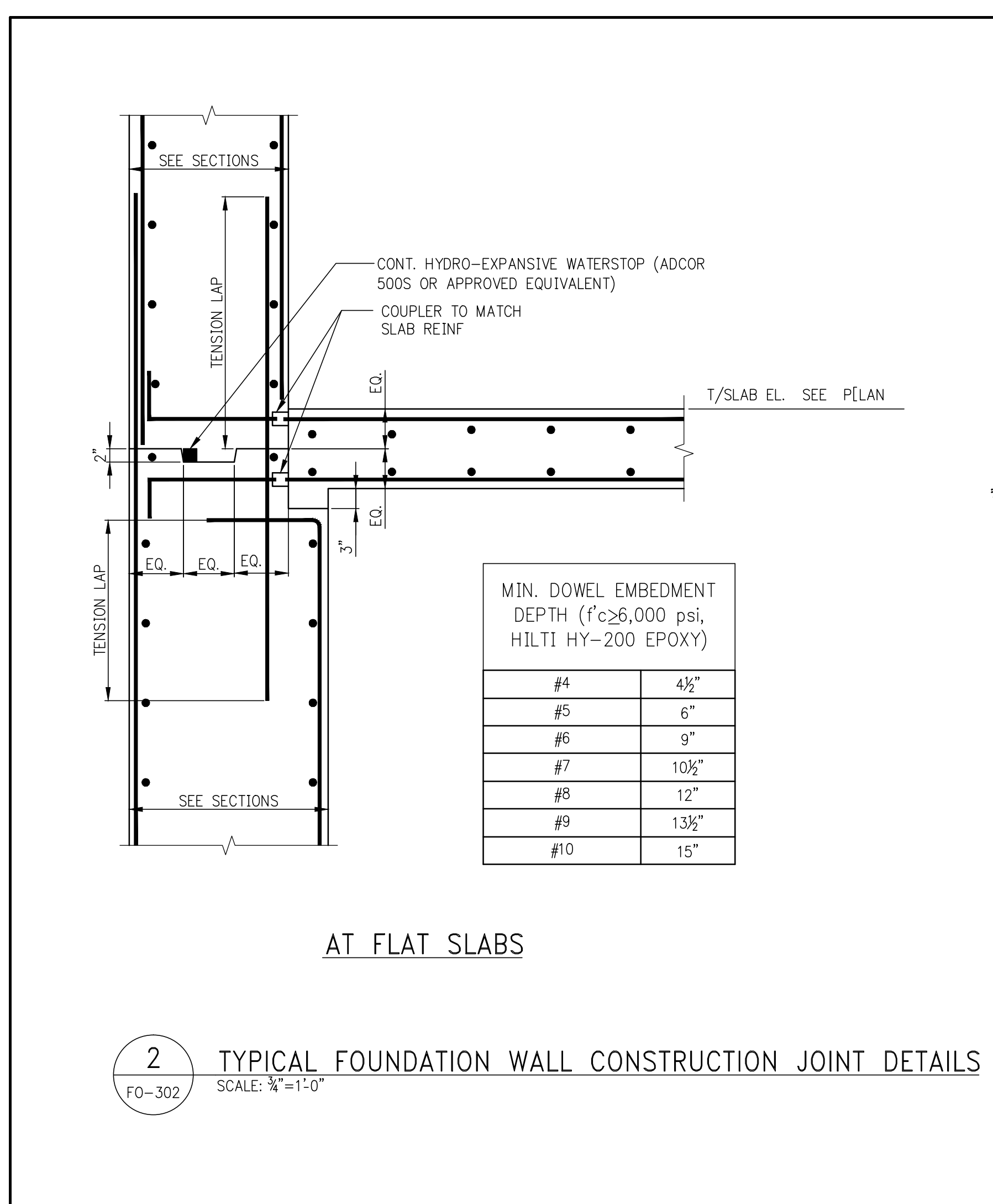
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DOB PAGE No: of
DOB 5-CAN: of

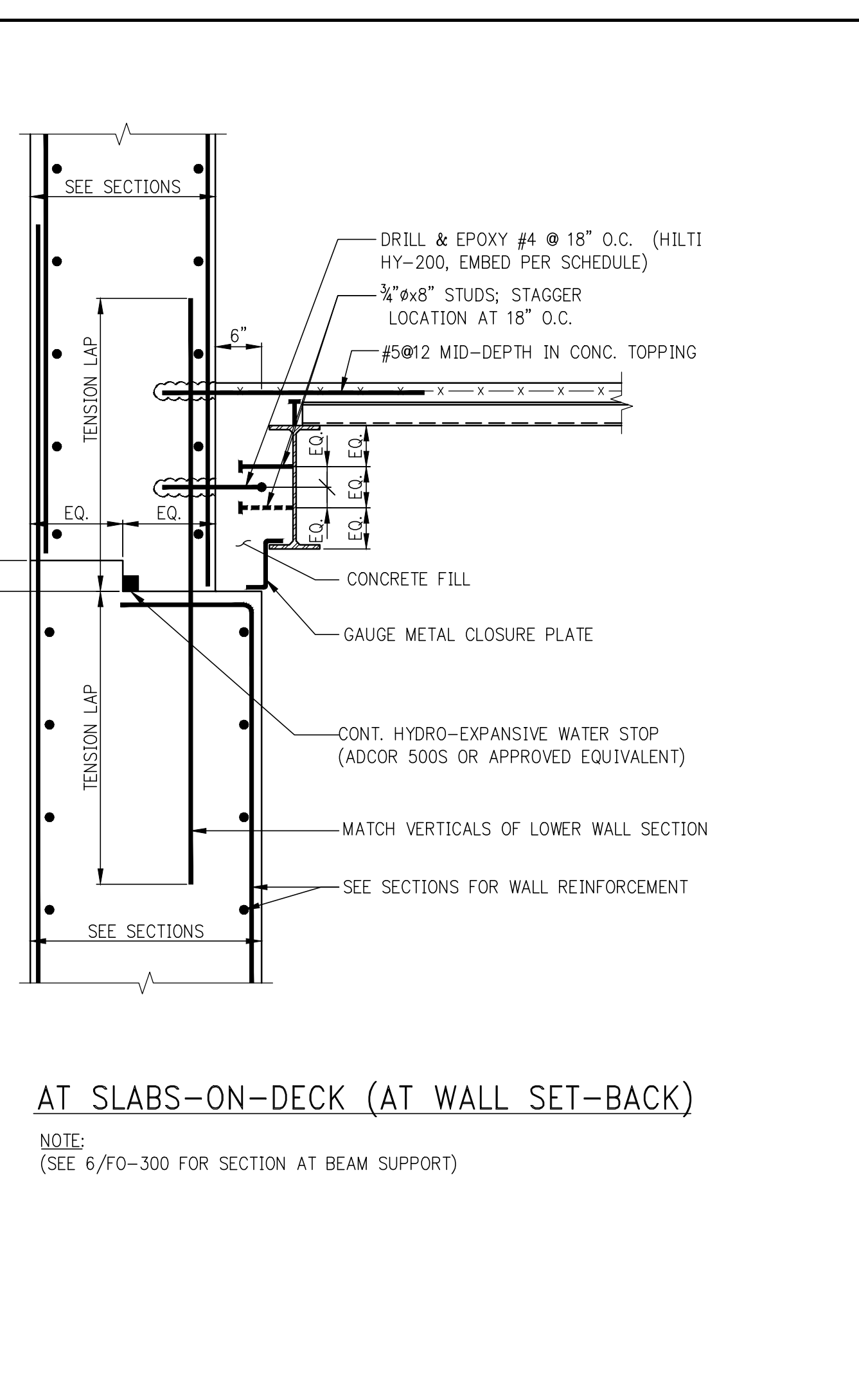


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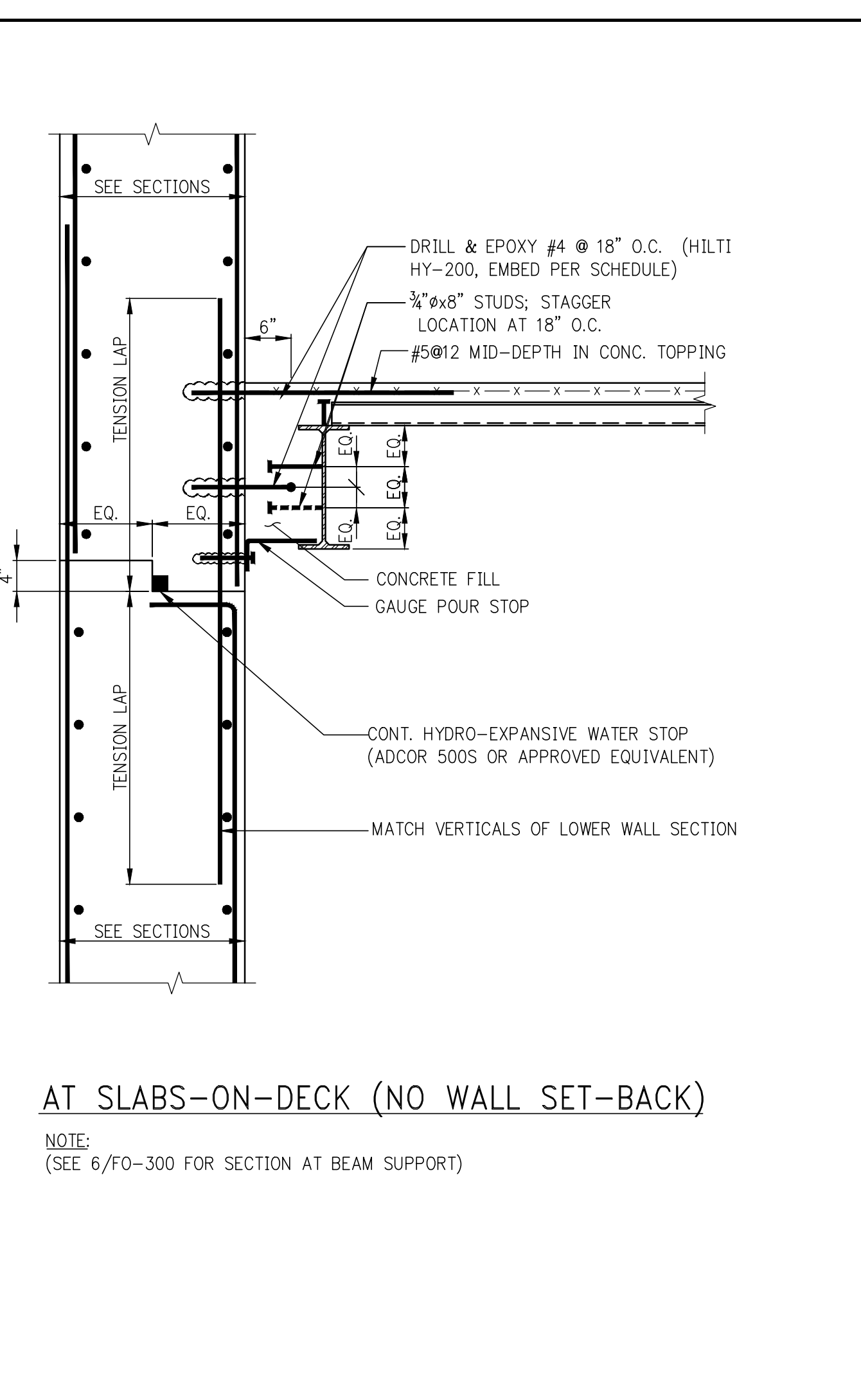
NOTE:
1. FOR BALANCE OF INFORMATION REFER TO S-400 SERIES.



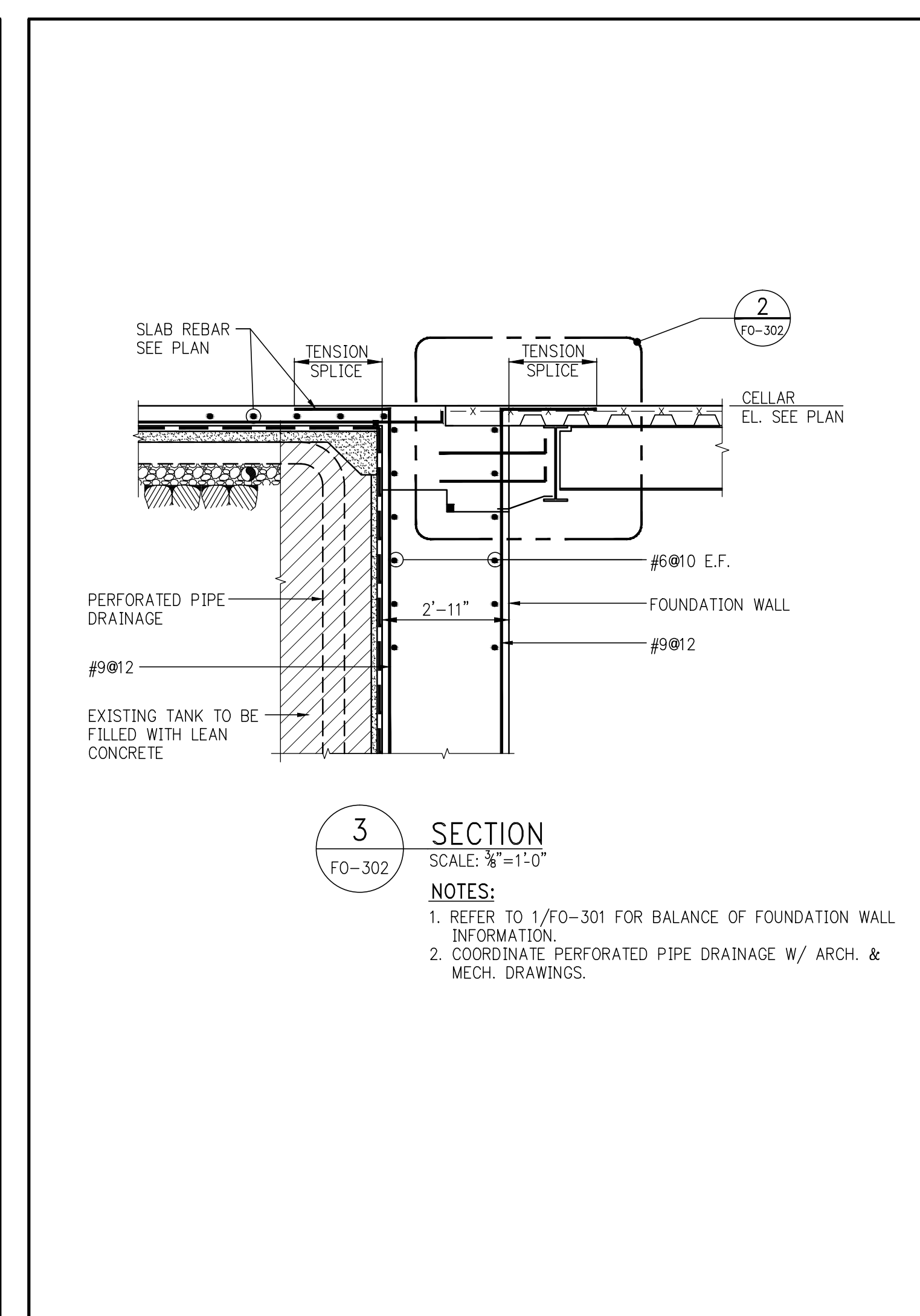
2 TYPICAL FOUNDATION WALL CONSTRUCTION JOINT DETAILS
SCALE: 1/4"=1'-0"



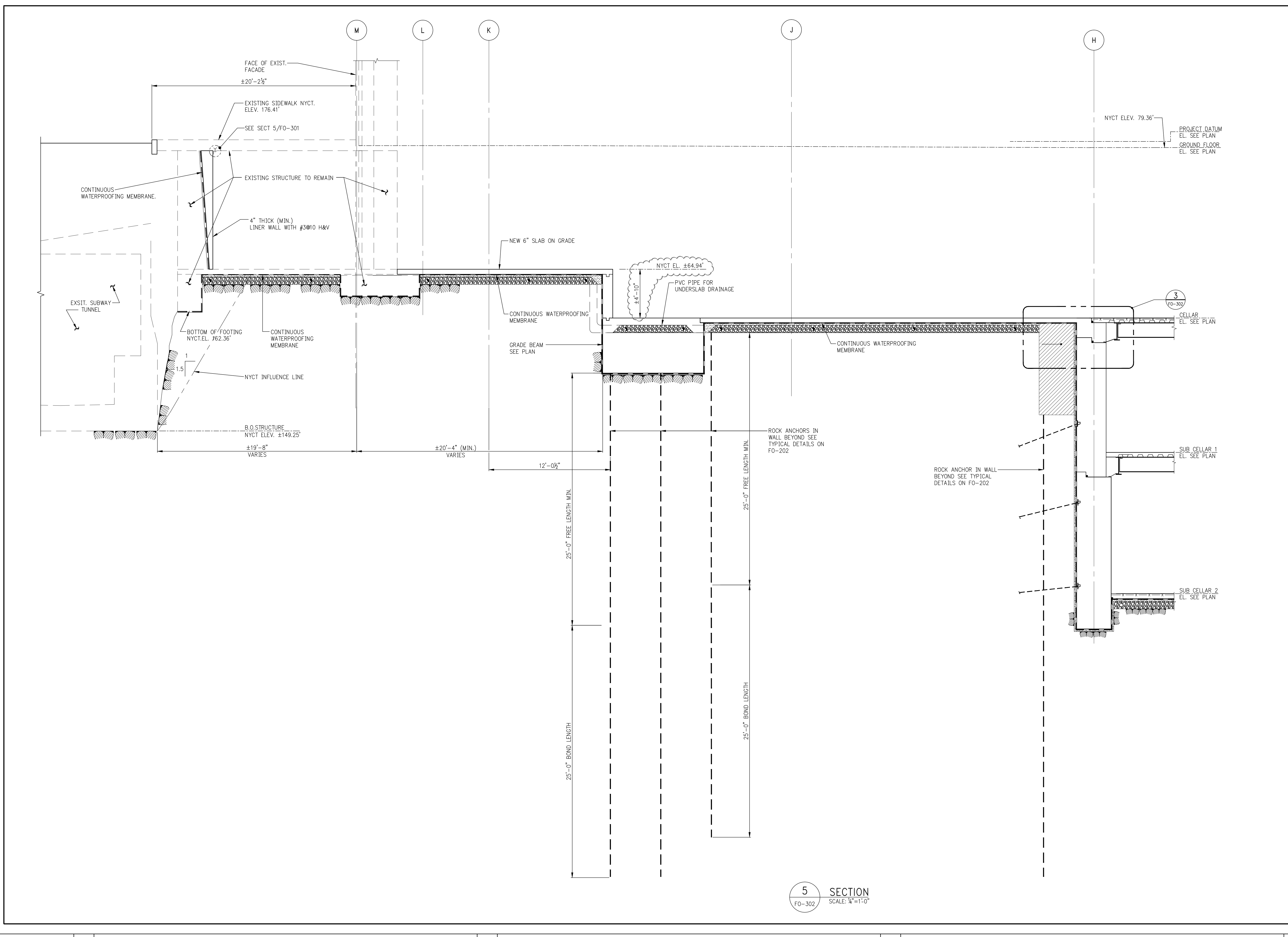
3 SECTION
SCALE: 1/4"=1'-0"



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



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



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

KEY PLAN

PROJECT NORTH

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

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

INTERIOR DESIGNER: Residential
Rotter Architecture and Design Studio, PLLC
288 Fifth Ave, 7th Floor
New York, NY 10001
TEL: 646 988 7000 FAX:

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
A&I ARCHITECTS, P.C.
401 West 36th St., 3rd Floor
Toronto, ON M5V 1E7 Canada
TEL: 416 967 1500 FAX: 416 967 7150

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MEP ENGINEERS:
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Construction Consulting Associates
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AJLP Consulting
40 Worth Street, Suite 826
New York, NY 10013
TEL: 212 757 8659 FAX: 646 219 8508

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

No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	FOUNDATION BID PACKAGE	03-31-2014
3	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
4	FOUNDATION BID PACKAGE	04-04-2014
5	MTA SUBMISSION	05-01-2014
6	STEEL BID PACKAGE	05-22-2014
7	FOUNDATION RFP, CD	05-22-2014
8	SUPERSTRUCTURE CONCRETE BID	08-20-2014
9	DOB FILING SET	09-17-2014
10	FOUNDATION 90% CD	07-01-2014
11	SK - 0006 RESPONSE TO RFI 0008	07-22-2014
12	SE ZONE STEEL BID	08-20-2014
13	STRUCTURAL STEEL BID	09-15-2014
14	CD PROGRESS ISSUE 1	10-15-2014
15	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
16	DOB SUBMISSION	12-19-2014
17	CD PROGRESS ISSUE 2	12-19-2014
18	DOB SUBMISSION	02-05-2015

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

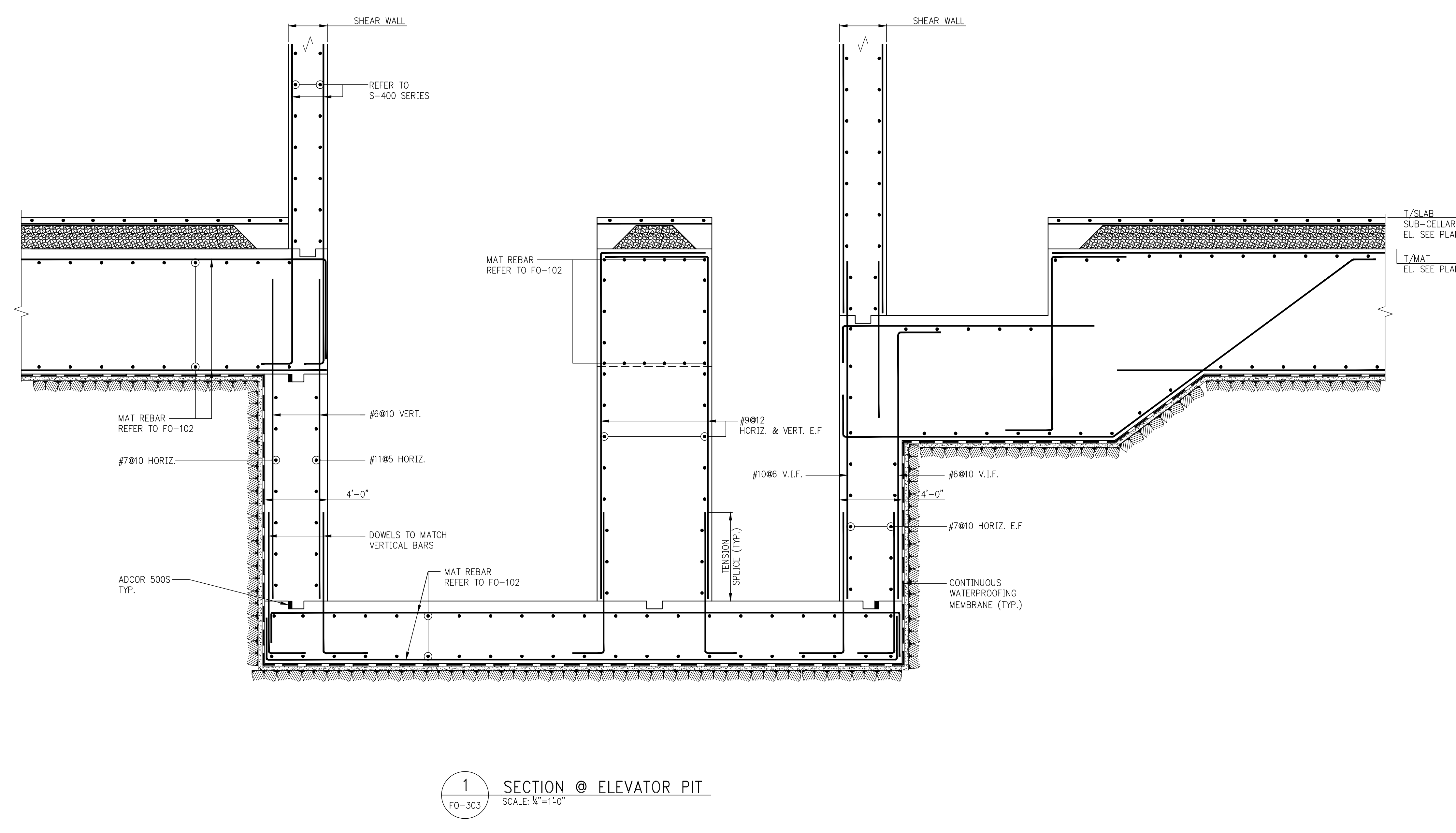
PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE: FOUNDATION SECTIONS 3

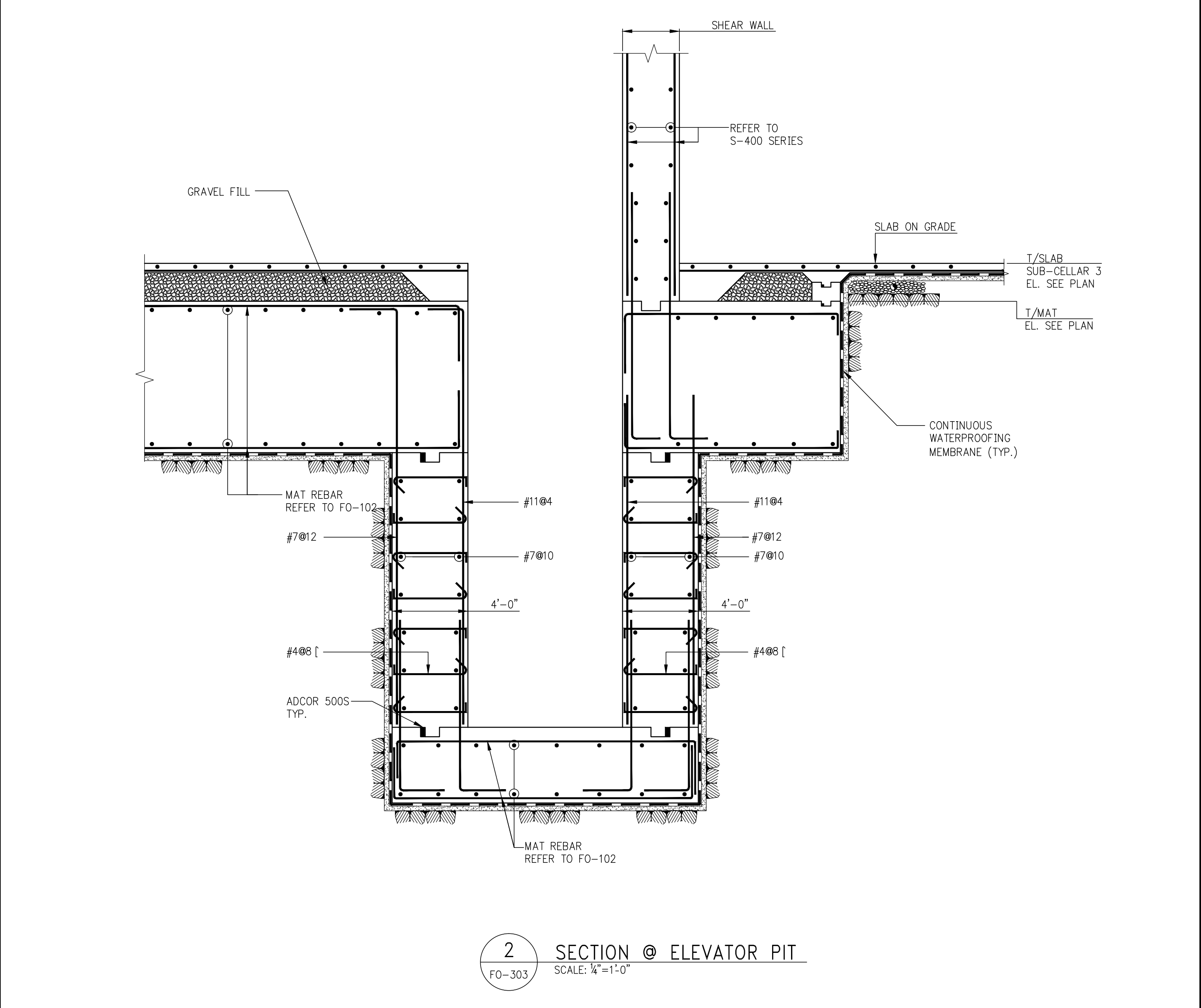
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DATE: 03/31/14
DRAWN: CADD
CHK: Y.E.
SCALE: AS INDICATED
DWG No: **FO-302.02**
DOB PAGE No: of
DOB EMPLOYEE ID: of
DOB S-SCAN:

WSP GROUP, INC. SHEET

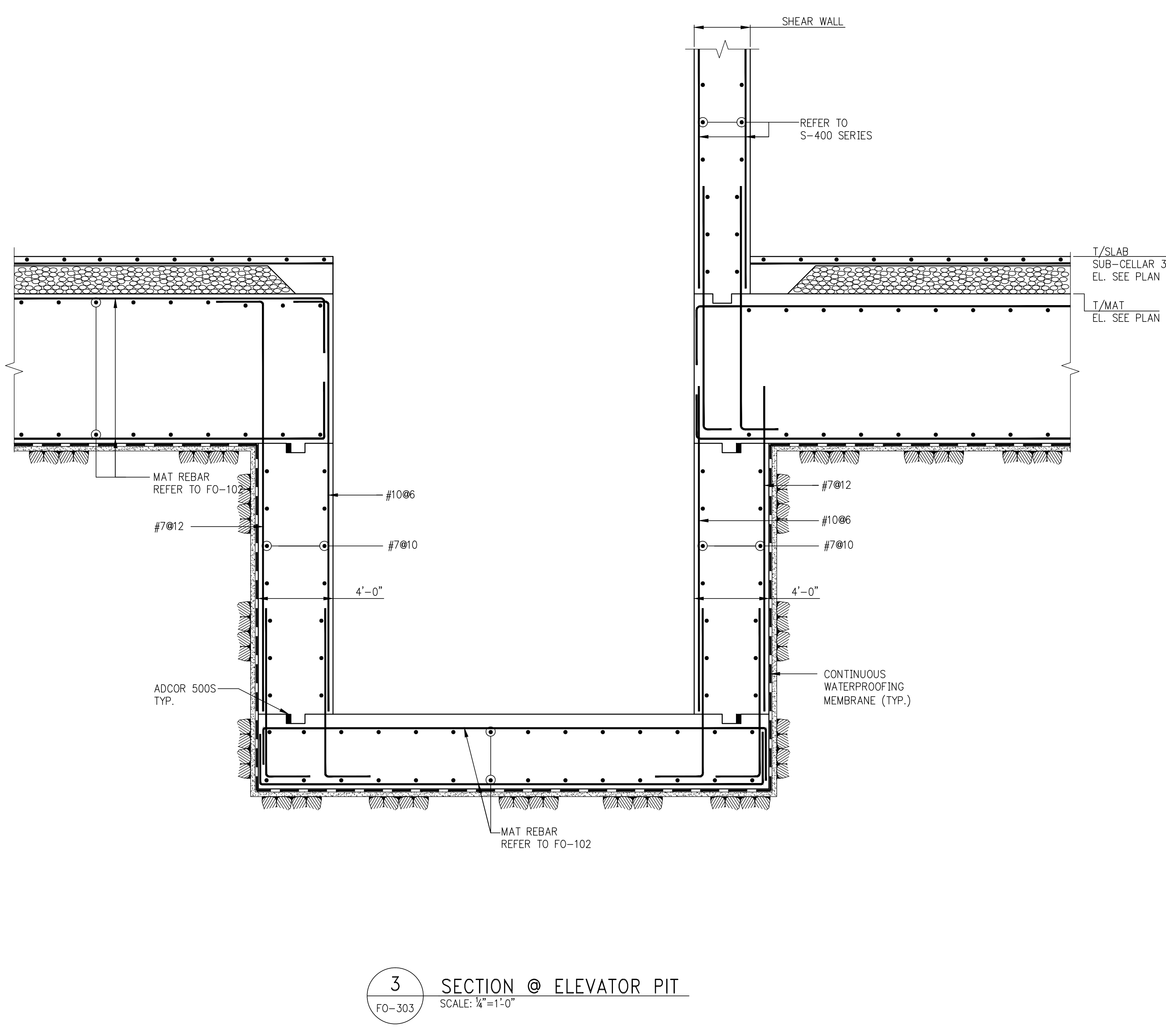
DEPT. OF BUILDINGS, PLANNING AND SAFETY
 ESD-303.02
 Job Number



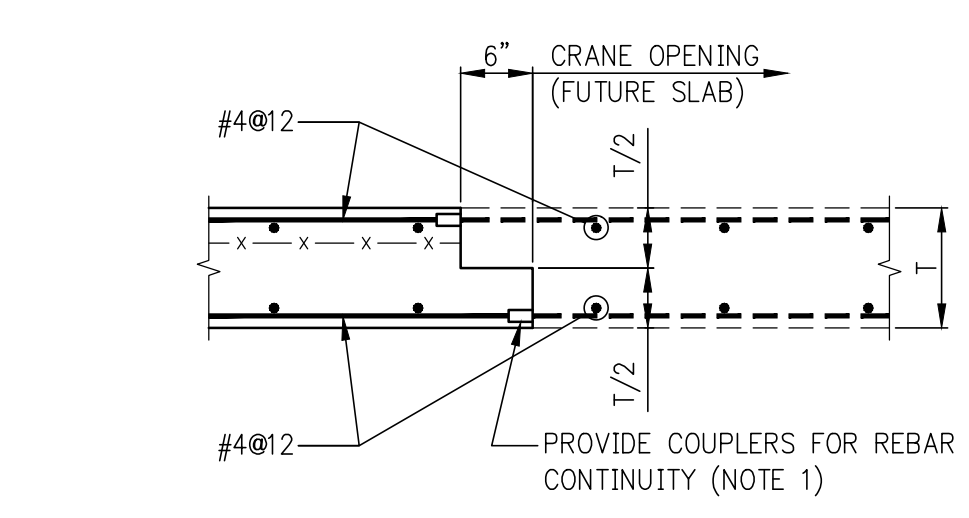
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 SCALE: 1/4"=1'-0"



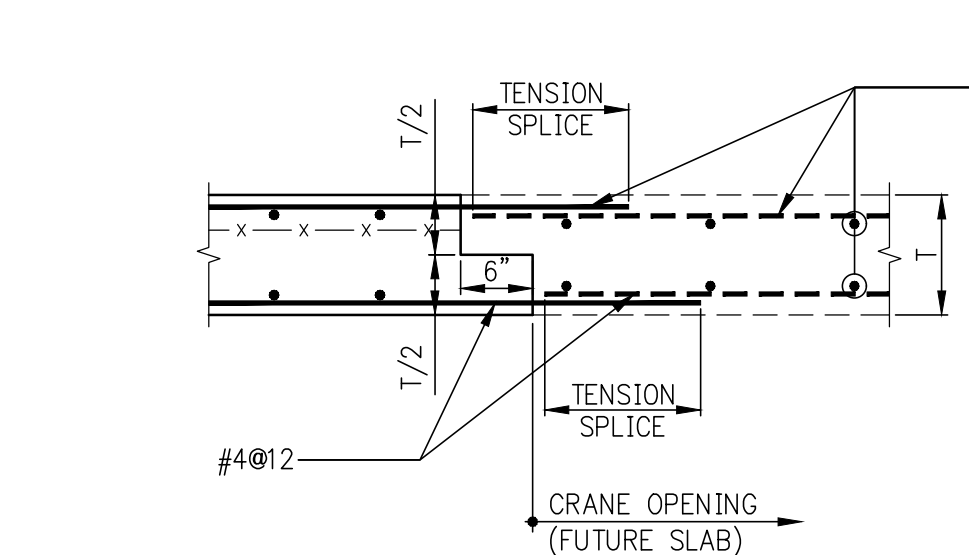
2 SECTION @ ELEVATOR PIT
 SCALE: 1/4"=1'-0"



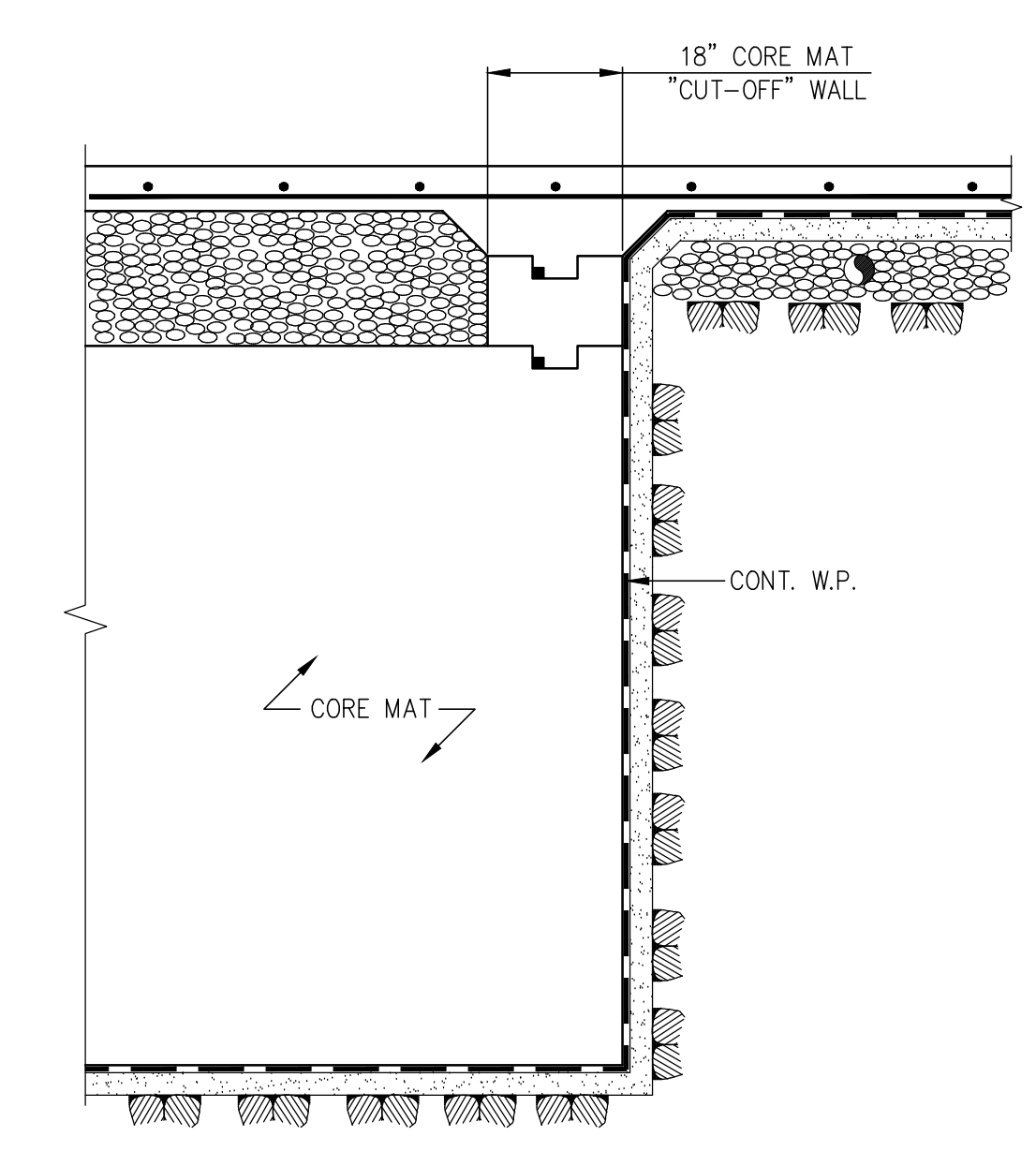
3 SECTION @ ELEVATOR PIT
 SCALE: 1/4"=1'-0"



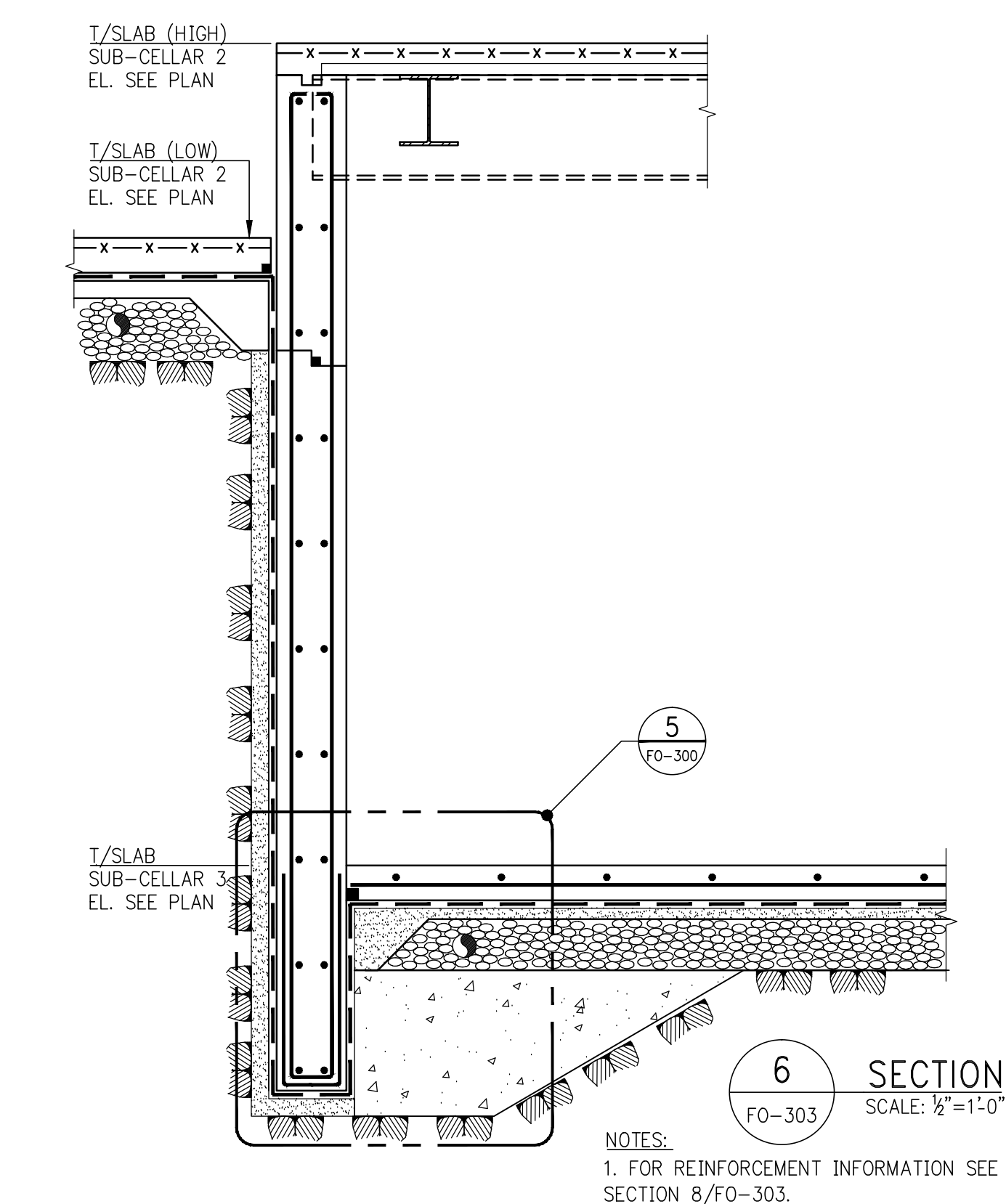
4 CRANE OPENING DETAIL
 SCALE: 1/2"=1'-0"



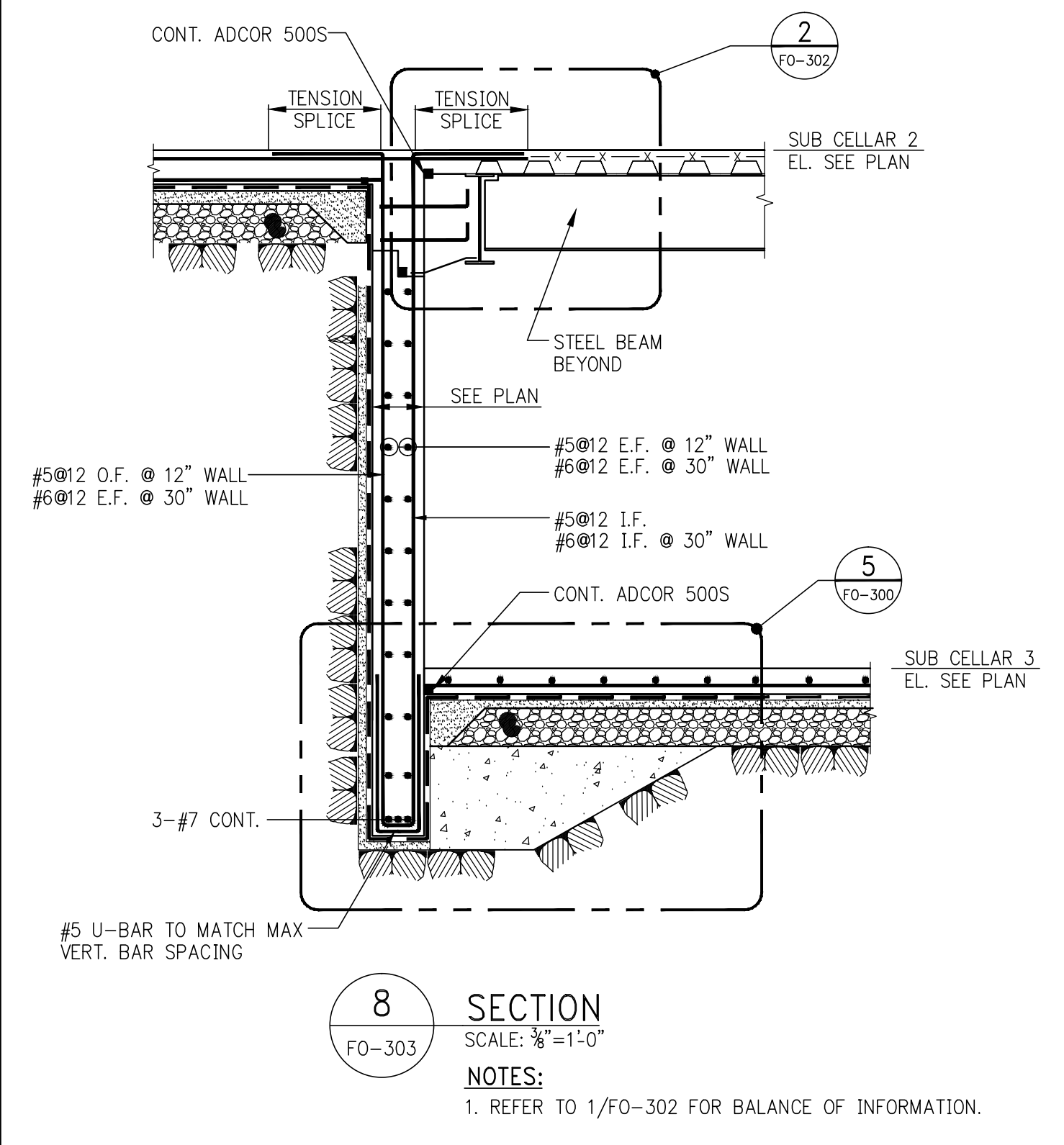
4A CRANE OPENING DETAIL (ALTERNATE)
 SCALE: 1/2"=1'-0"



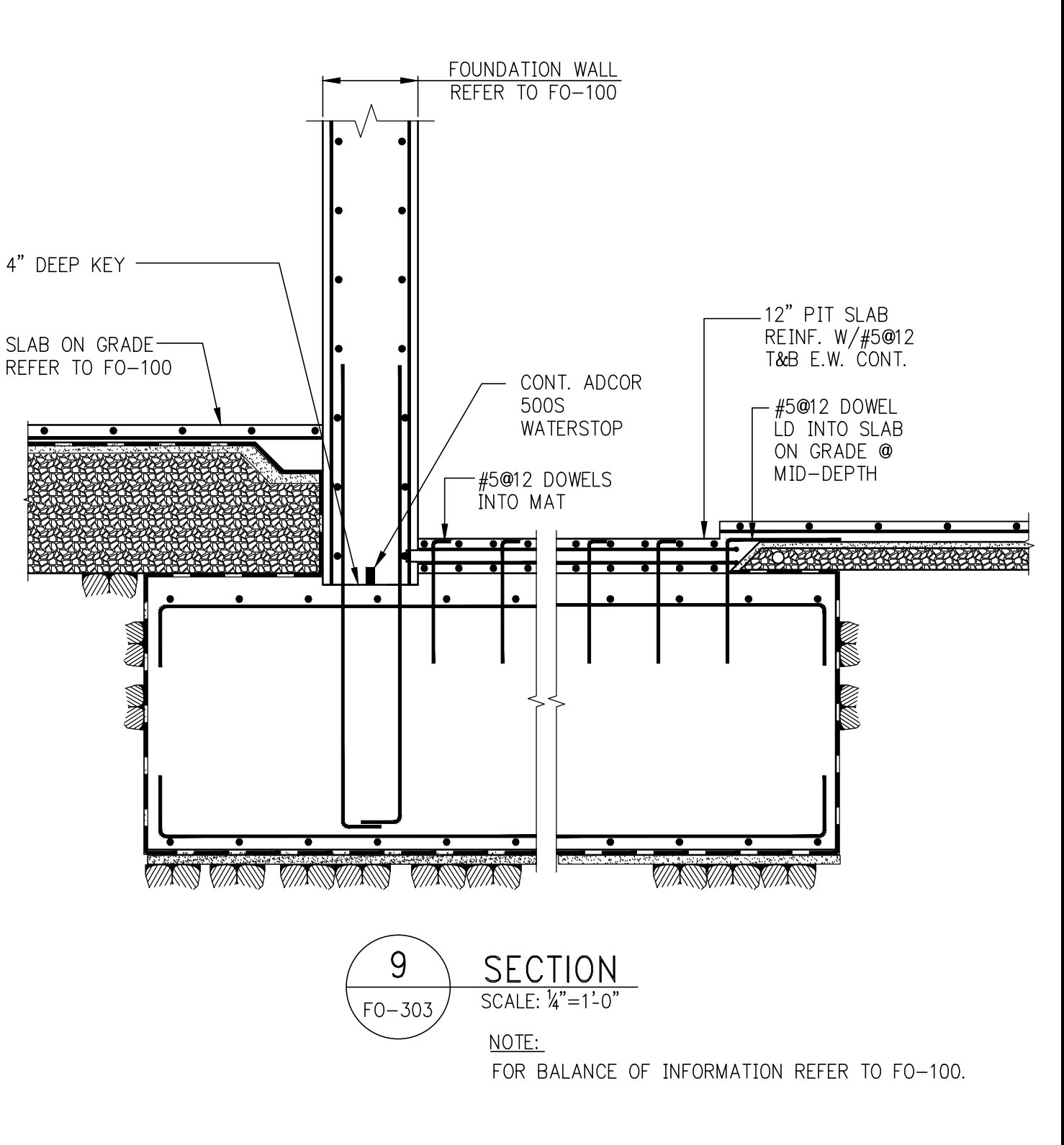
5 SECTION
 SCALE: 1/2"=1'-0"



6 SECTION
 SCALE: 1/2"=1'-0"



8 SECTION
 SCALE: 1/2"=1'-0"



9 SECTION
 SCALE: 1/2"=1'-0"

7 NOT USED
 SCALE: 1/4"=1'-0"

KEY PLAN

PROJECT NORTH

TRUE NORTH

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

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

INTERIOR DESIGNER: Residential
Rotter Architecture and Design Studio, PLLC
 238 Fifth Ave, 7th Floor
 New York, NY 10001
 TEL: 646 988 7000 FAX:

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

STRUCTURAL ENGINEERS:
WSP
 228 EAST 45th STREET
 NEW YORK, NY 10017 USA
 TEL: 212 687 9888 FAX: 646 487 5001

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

GEOTECHNICAL ENGINEERS:
Langan Engineering & Environmental Services
 21 Penn Plaza - 380 West 31st Street, 8th Floor
 New York, NY 10001-2272
 TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS:
Construction Consulting Associates
 100 Church Street
 New York, NY 10007
 TEL: 212 385 9818 FAX: 212 385 1911

CURTAINWALL CONSULTANT:
A.J.P. Consulting
 40 Worth Street, Suite 826
 New York, NY 10013
 TEL: 212 757 8650 FAX: 646 219 8508

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

No.	DESCRIPTION	DATE
1	STEEL BID PACKAGE	05-22-2014
2	FOUNDATION 80% CD	05-22-2014
3	SUPERSTRUCTURE CONCRETE BID	06-02-2014
4	DOB FILING SET	06-17-2014
5	FOUNDATION 90% CD	07-01-2014
6	SE ZONE STEEL BID	08-20-2014
7	STRUCTURAL STEEL BID	09-15-2014
8	CD PROGRESS ISSUE 1	10-15-2014
9	DOB SUBMISSION	10-19-2014
10	DOB SUBMISSION	02-08-2015

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CONSULTANT:

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

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

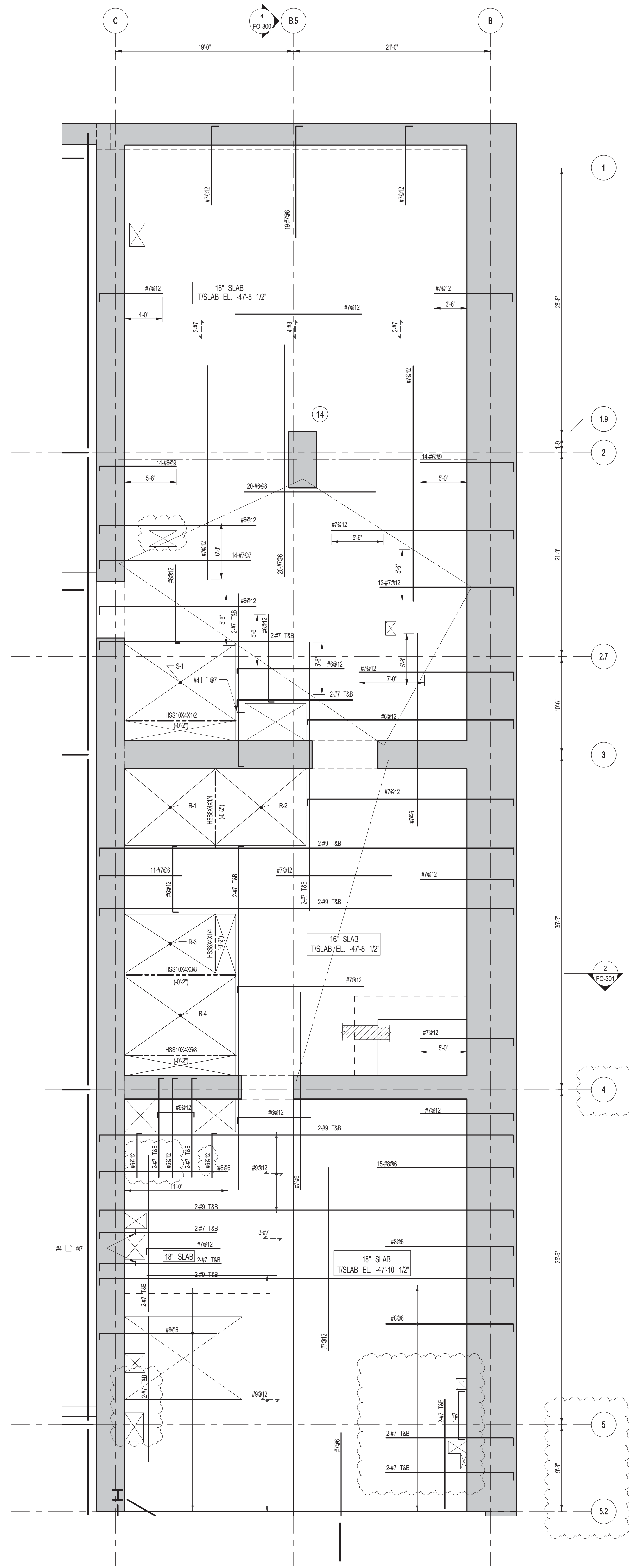
DRAWING TITLE:
FOUNDATION SECTIONS 4

SEAL & SIGNATURE:

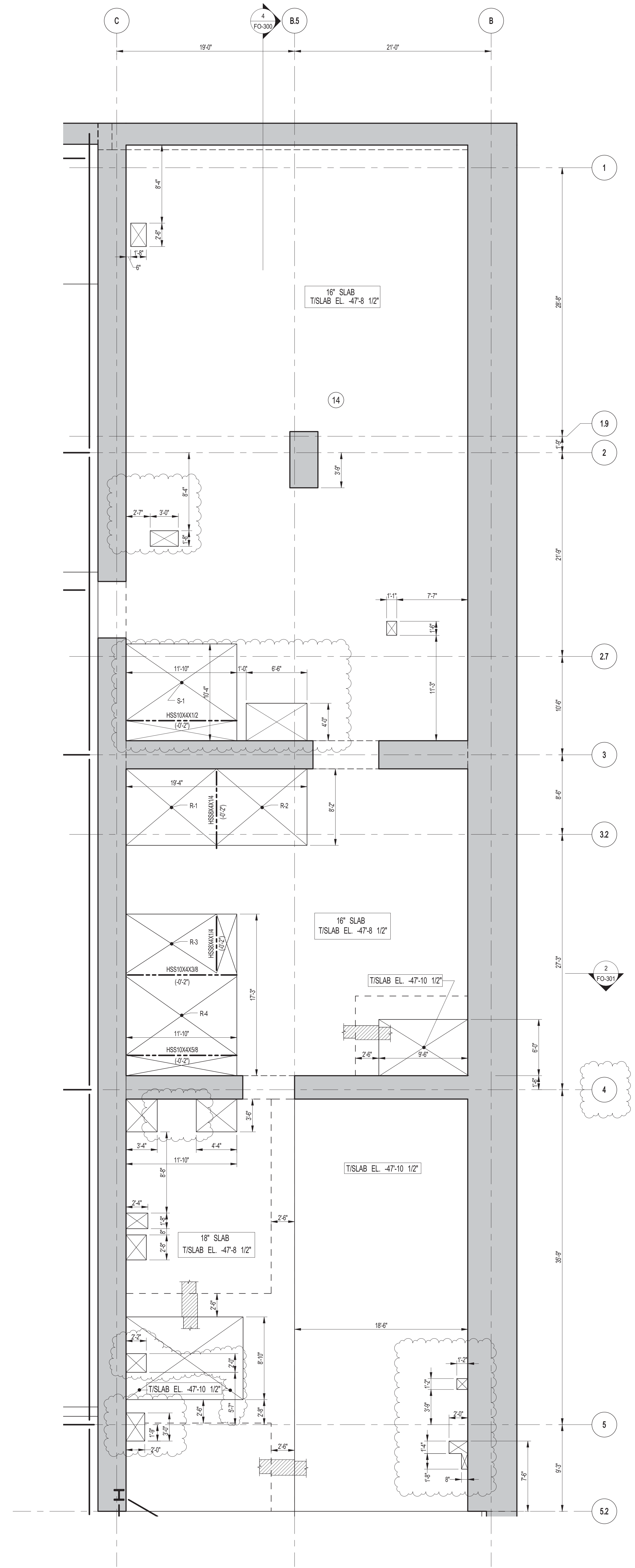
DATE: 03/31/14
 PROJECT No: 2012185
 DRAWN: CADD REV: 10
 CHK: Y.E. SCALE: AS INDICATED
 DWG No: **FO-303.02**

DOB EMPLOYEE STAMP: of

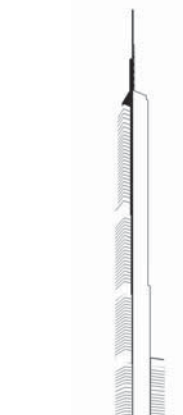
FILE NAME: C:\WORK\2014\217 WEST 57TH ST\217 WEST 57TH ST_FND FOUNDATION.dwg



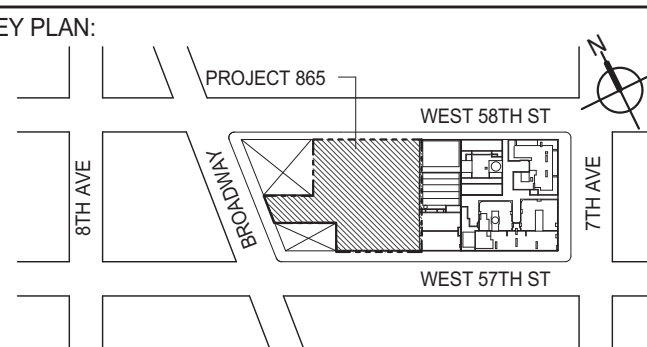
1 SUBCELLAR 2 FRAMING PLAN
 SCALE: 3/16" = 1'-0"
 NOTES:
 1. FOR T&B ELEVATION SEE S-001
 2. CONCRETE SLAB SHALL BE 18" THICK (U.O.N. THUS) ON PLAN
 3. CONCRETE STRENGTH f_c OF SLAB SHALL BE 10,000 PSI
 4. BOTTOM REINFORCEMENT TO BE #7@12 E.W. CONT. FOR 18" SLAB AND #8@12 END/CONT. FOR 18" SLAB
 5. FOR BALANCE OF INFORMATION SEE DRAWING S-001




2 SUBCELLAR 2 GENERAL ARRANGEMENT PLAN
 SCALE: 3/16" = 1'-0"
 NOTES:
 1. FOR SLAB INFORMATION SEE CORRESPONDING FRAMING PLAN



KEY PLAN



PROJECT NORTH



DEVELOPER:
EXTELL DEVELOPMENT COMPANY
 805 THIRD AVENUE, 7TH FLOOR
 NEW YORK, NY 10022 USA
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DESIGN ARCHITECT: Base Building Shell & Core
ADRIAN SMITH + GORDON GILL ARCHITECTURE
 111 WEST MONROE STREET SUITE 2300
 CHICAGO, IL 60603
 TEL: 312 920 1888 FAX: 312 920 1775

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

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

STRUCTURAL ENGINEER:
WSP
 228 East 45th Street
 New York, NY 10017 USA
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 New York, NY 10036 USA
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LANDMARK/PRESERVATION CONSULTANT:
Jan Hind Pokorny Associates, Inc.
 39 West 37th Street, 12A
 New York, NY 10018
 TEL: 212 759 6452 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	CD PROGRESS ISSUE 1	10-15-2014
2	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
3	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
4	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
5	DOB SUBMISSION	12-19-2014
6	CD PROGRESS ISSUE-2	12-19-2014
7	DOB SUBMISSION	02-05-2015
8	CD UPDATE ISSUE	02-10-2015
9	CONSTRUCTION DOCUMENTS ISSUE 3	03-09-2015
10	PROGRESS CD	05-08-2015
11	CONSTRUCTION DOCUMENTS ISSUE 4	06-01-2015
12	CD PROGRESS ISSUE 5	08-10-2015
13	DOB AMENDMENT 2	09-18-2015


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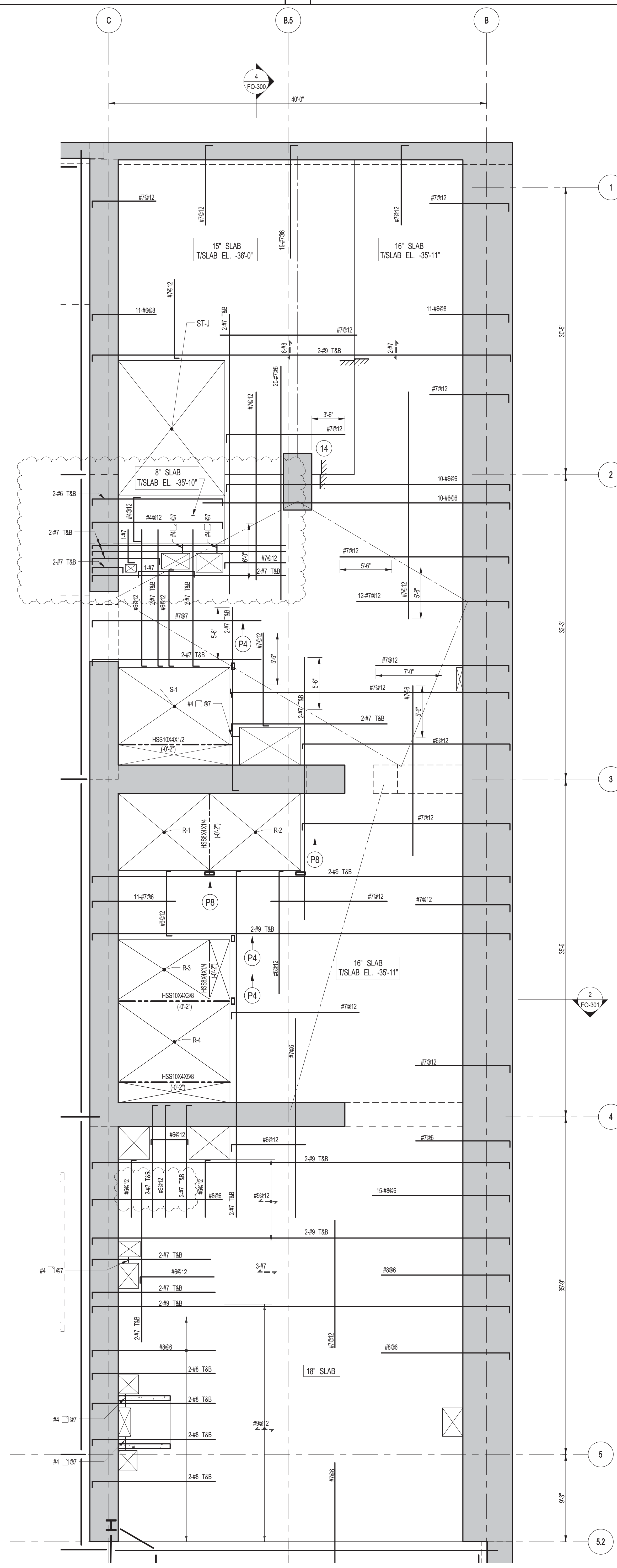
ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT:

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

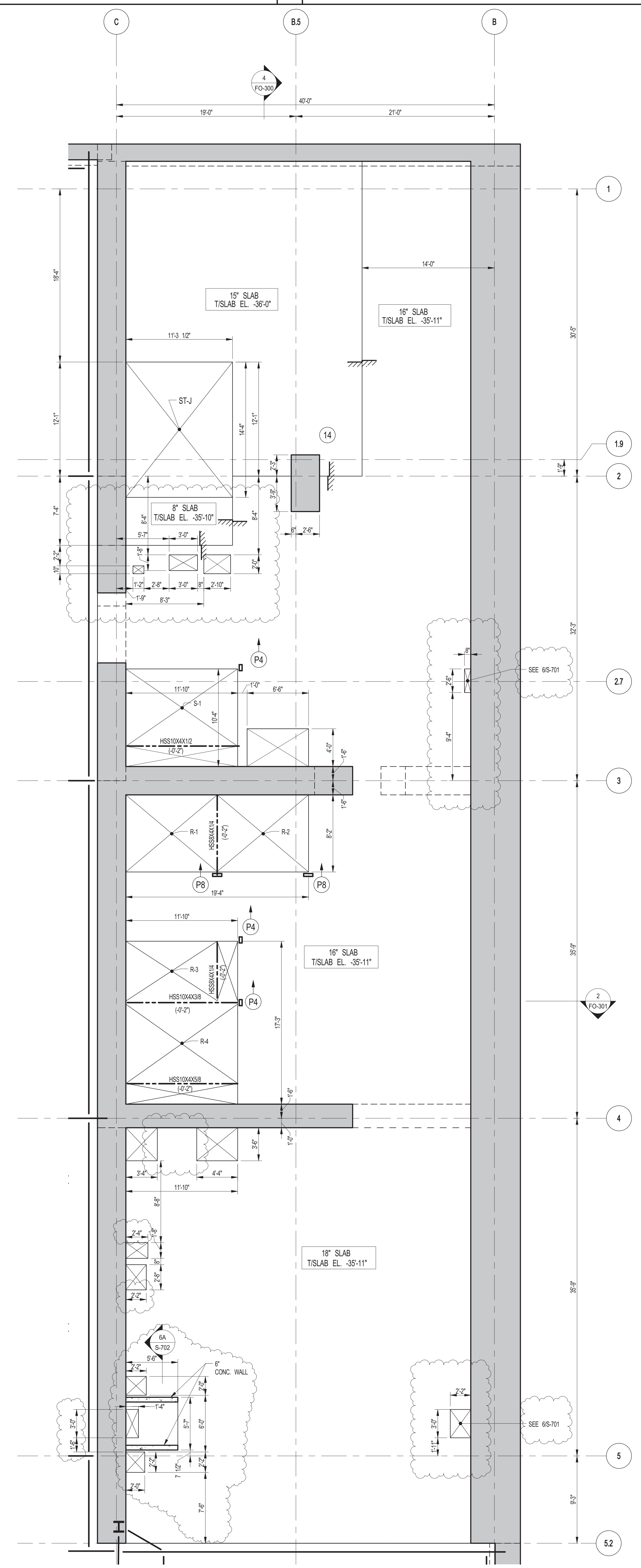
PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:
SUBCELLAR 2 - PART GENERAL ARRANGEMENT AND REINFORCING PLAN

	DATE: 10-15-2014
	PROJECT No: 2012185
	DRAWN: CADDO REV: 13
	CHK: YE SCALE: As indicated
DWG No: S-002.01	DOB PAGE No: 15 OF 158
DOB EMPLOYEE STAMP:	DOB S-CAN:



1 SUB CELLAR 1 FRAMING PLAN
 SCALE: 3/16" = 1'-0"
 S-011
NOTES:
 1. FOR T/SLAB ELEVATION SEE S-010
 2. CONCRETE SLAB SHALL BE 16" THICK UON THIS PLAN
 3. CONCRETE STRENGTH F_c OF SLAB SHALL BE 15,000 PSI
 4. BOTTOM REINFORCEMENT TO BE #4@12 E.W. CONT. FOR 8' SLAB
 #7@12 E.W. CONT. FOR 10' & 12' SLAB
 #8@12 E.W. CONT. FOR 14' & 16' SLAB
 #9@12 E.W. CONT. FOR 18' SLAB
 5. FOR BALANCE OF INFORMATION SEE DRAWING S-010



2 SUB CELLAR 1 GENERAL ARRANGEMENT PLAN
 SCALE: 3/16" = 1'-0"
 S-011
NOTES:
 1. FOR SLAB INFORMATION SEE CORRESPONDING FRAMING PLAN.

KEY PLAN

PROJECT NORTH

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

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

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

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

STRUCTURAL ENGINEER: WSP
 228 EAST 45th STREET
 NEW YORK, NY 10017 USA
 TEL: 212 687 9888 FAX: 646 487 5501

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

GEOTECHNICAL ENGINEERS: Langan Engineering & Environmental Services
 21 Penn Plaza - 360 West 31st Street, 9th Floor
 New York, NY 10001-2272
 TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS: Construction Consulting Associates
 100 Church Street
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 TEL: 212 385 5818 FAX: 212 385 1911

CURTAINWALL CONSULTANT: A.J.P. Consulting
 40 Worth Street, Suite 826
 New York, NY 10013
 TEL: 212 757 8559 FAX: 646 219 8508

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

No.	DESCRIPTION	DATE
1	CD PROGRESS ISSUE 1	10-15-2014
2	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
3	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
4	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
5	DOB SUBMISSION	12-19-2014
6	DOB SUBMISSION	02-05-2015
7	CD UPDATE ISSUE	02-10-2015
8	CONSTRUCTION DOCUMENTS ISSUE 3	03-09-2015
9	PROGRESS CD	05-08-2015
10	CONSTRUCTION DOCUMENTS ISSUE 4	06-01-2015
11	CD PROGRESS ISSUE 5	08-10-2015
12	DOB AMENDMENT 2	09-18-2015

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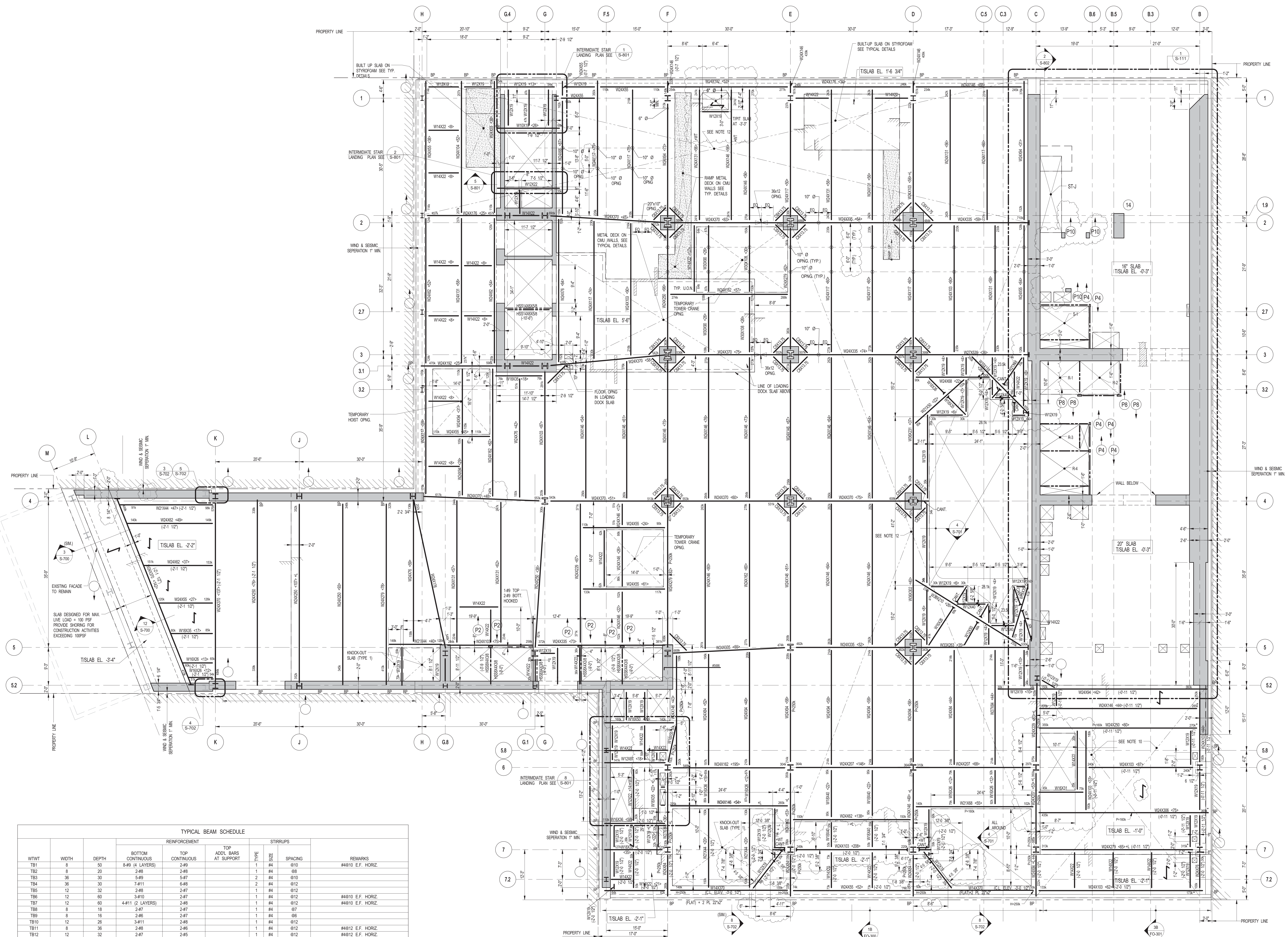
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CONSULTANT: WSP
 228 East 45th Street
 New York, NY 10017
 (212) 687-9888
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PROJECT: 217 WEST 57TH STREET
 NEW YORK, NY

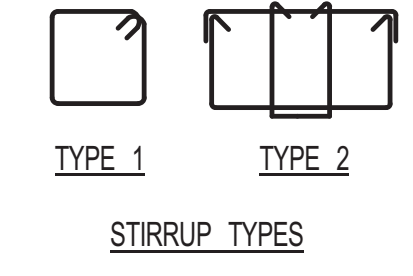
DRAWING TITLE: SUB CELLAR 1 - PART GENERAL ARRANGEMENT AND REINFORCING PLAN

DATE: 10-15-2014	PROJECT No: 2012185
DRAWN: CADDO	REV: 12
CHK: YE	SCALE: As indicated
DWG No: S-011.01	DOB PAGE No: 17 OF 158
DOB EMPLOYEE STAMP:	DOB S-CAN:



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

WTWT	WIDTH	DEPTH	REINFORCEMENT		TOP ADDL BARS AT SUPPORT	TYPE	SIZE	SPACING	REMARKS
			BOTTOM CONTINUOUS	TOP CONTINUOUS					
TB1	8	50	5-49 (4 LAYERS)	2-49	1 #4	#10	610	#4810 E.F. HORIZ.	
TB2	8	20	2-48	2-48	1 #4	#8	68		
TB3	36	30	5-49	5-47	2 #4	#10	610		
TB4	36	30	7-411	6-48	2 #4	#12	612		
TB5	12	32	2-48	2-47	1 #4	#12			
TB6	12	60	4-411 (2 LAYERS)	2-47	1 #4	#12		#4810 E.F. HORIZ.	
TB7	12	60	4-411 (2 LAYERS)	2-48	1 #4	#12		#4810 E.F. HORIZ.	
TB8	8	18	2-47	2-47	1 #4	#7			
TB9	8	16	2-46	2-47	1 #4	#6			
TB10	12	26	3-411	2-48	1 #4	#12			
TB11	8	36	2-49	2-46	1 #4	#12			
TB12	12	32	2-47	2-45	1 #4	#12		#4812 E.F. HORIZ.	
TB13	12	60	4-410 (2 LAYERS)	2-48	1 #4	#12		#4812 E.F. HORIZ.	
TB14	12	50	2-47	2-45	1 #4	#12		#4812 E.F. HORIZ.	
TB16	12	60/70	4-411 (2 LAYERS)	2-48	1 #4	#12		2-47 ADDL. BOTTOM BARS @ 70" DEEP BEAM	
TB17	10	12	2-47	2-47	1 #4	#4			
TB18	16	18	3-49	2-47	1-47 @ COL 26	1 #4	#7		
TB19	18	18	3-47	3-47	1 #4	#8			
TB20	12	42	4-410	2-49	1 #4	#12		#4810 E.F. HORIZ.	
TB21	8	30	2-49	2-49	1 #4	#12			



- NOTES:
- TOP OF STRUCTURAL SLAB SHALL BE 2'-4" U.O.N.
 - SLAB CONSTRUCTION SHALL BE 4" NORMAL WEIGHT CONCRETE ON TOP OF 3" DEEP 1924 (FVNS) COMPACTED GALVANIZED METAL DECK (TOTAL SLAB DEPTH 7-7/8"), REINFORCED WITH #8X45.5X60.5 (CONCRETE F-8000)q AT 28 DAYS U.O.N.
 - ALL BEAMS TO BE A-70 STEEL AND ASTM A-992 GRADE 50.
 - TOP OF STEEL TO BE 7/8" BELOW TOP OF SLAB ELEVATION SPECIFIED IN NOTE 1 U.O.N. THIS (±) INDICATING DISTANCE ABOVE OR BELOW TOP OF SLAB ELEVATION.
 - STUBS SHALL BE 1'-0" x 4" LONG. ALL STEEL BEAMS SHALL HAVE MIN. 1 STUDT. U.O.N. THIS (±) ON PLAN.
 - (±) INDICATES ADDITIONAL (±) STUBS OVER 10'-0".
 - FOR BEAM REINFORCEMENT NOT SHOWN USE A MINIMUM OF 30 KIPS FOR BEAMS LESS THAN 15 FEET LONG.
 - ALL BEAM CONNECTIONS SHALL DEVELOP ANAL. FORCE OF P-HOR AND GRIDDERS (SUPPORTING OTHER MEMBERS) P-HOR U.O.N. ON PLAN AT EACH END, IN ADDITION TO ALL OTHER LOADS.
 - PROVIDE FULL DEPTH STIFF @ EACH ESCALATOR SUPPORT NOTED THIS (±) ON PLAN. COORDINATE LOCATIONS WITH ESCALATOR MANUFACTURER.
 - TEMPORARY 4" THICK NORMAL WEIGHT CONCRETE SLAB REINFORCED WITH #8X45.5X60.5 OVER BOND BREAKER P-400PSI AT 28 DAYS. TISLAB EL. SHALL BE 2'-4" TOP & BOTTOM MOST LAYERS IN NS DIRECTION.
 - PROJECT DATUM (MVD) EL. +76.28 ABOVE MANHATTAN DATUM.
 - WHERE NOTED ON PLAN SLAB REINFORCEMENT SHALL BE #4@12 TOP E.V.
 - FOR BALANCE OF NOTES SEE DWG. S-101.
 - BEAMS WITHIN OR CROSSING TOWER CRANE OPENING SHALL BE INSTALLED AFTER CRANE / HOST IS REMOVED.

KEY PLAN

PROJECT NORTH

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

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

INTERIOR DESIGNER: Residential
Rottet Architecture and Design Studio, PLLC
288 Fifth Ave, 7th Floor
New York, NY 10001
TEL: 646 988 7000 FAX:

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1501 Broadway
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TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS: Langan Engineering & Environmental Services
21 Penn Plaza, 360 West 31st Street, 9th Floor
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CODE CONSULTANTS: Construction Consulting Associates
100 Church Street
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40 Worth Street, Suite 826
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LANDMARK/PRESERVATION CONSULTANT: Jan Hind Pokorny Associates, Inc.
39 West 37th Street, 12A
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No.	DESCRIPTION	DATE
3	STEEL BID PACKAGE	05-22-2014
4	SUPERSTRUCTURE CONCRETE BID	06-02-2014
5	DESIGN DEVELOPMENT	07-01-2014
6	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
7	SE ZONE STEEL BID	08-20-2014
8	STRUCTURAL STEEL BID	09-15-2014
9	STRUCTURAL STEEL BID-ADDENDUM	10-01-2014
10	CD PROGRESS ISSUE 1	10-15-2014
11	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
12	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
13	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
14	DOB SUBMISSION	12-19-2014
15	CD PROGRESS ISSUE-2	12-19-2014
16	ISSUED FOR 8TH FLOOR MILL ORDER - PHASE 1	01-14-2015
17	DOB SUBMISSION	02-05-2015
18	CD UPDATE ISSUE	02-10-2015
19	CONSTRUCTION DOCUMENTS ISSUE 3	03-09-2015
20	PROGRESS CD	05-08-2015
21	CONSTRUCTION DOCUMENTS ISSUE 4	06-01-2015
22	CD PROGRESS ISSUE 5	08-10-2015
23	DOB AMENDMENT 2	09-18-2015

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www.wspgroup.com/us

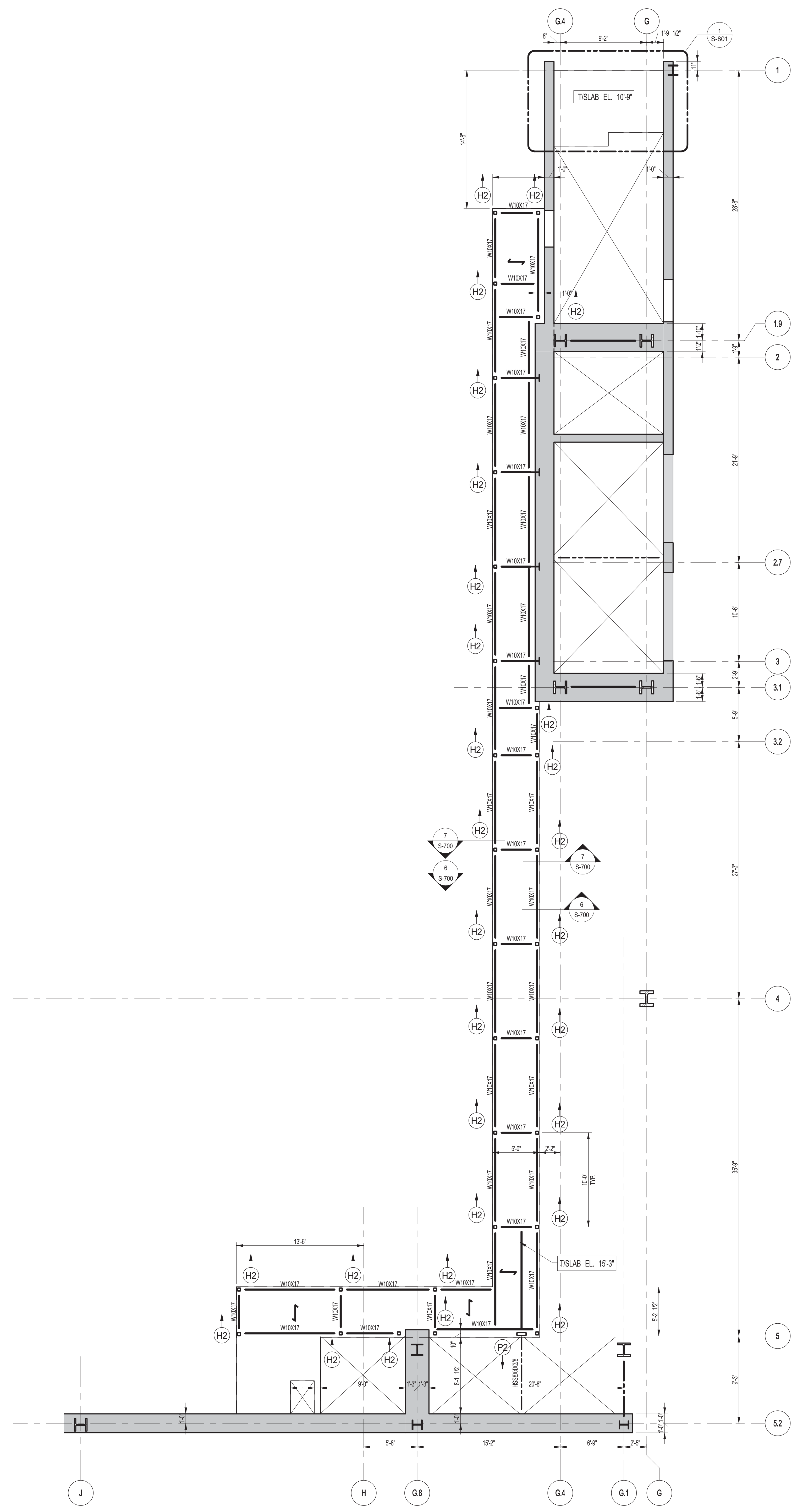
PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE: GROUND FLOOR - FRAMING PLAN

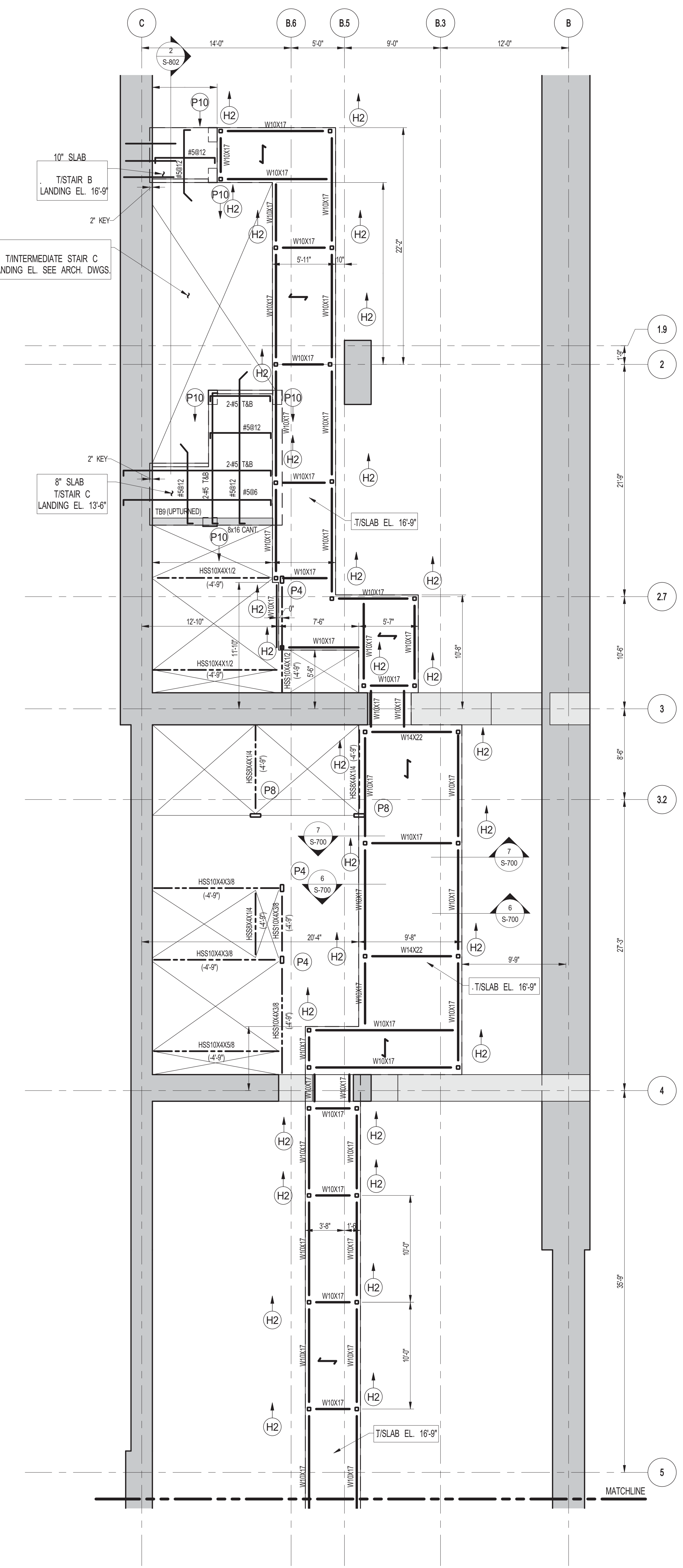
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PROJECT No.: 2012185
DRAWN: CADDO REV: 23
CHK: YE SCALE: 1/8" = 1'-0"
DWG No.: S-110.01
DOB PAGE No.: 20 OF 158
DOB & SCAN:

3/16/14 11:00 AM

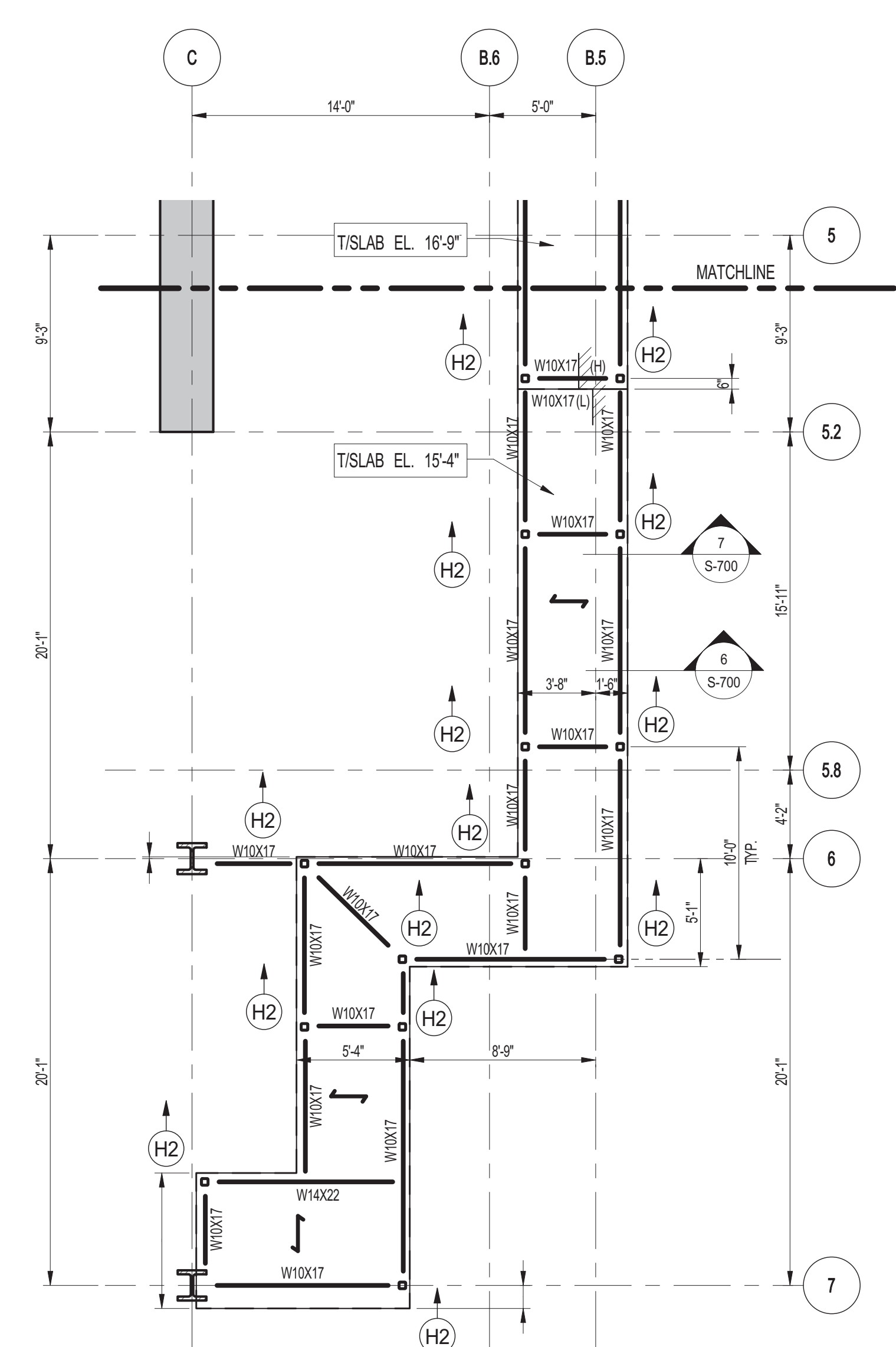
3/16/14 11:00 AM



1 PART PLAN AT GROUND FLOOR MEZZANINE (WEST)
SCALE: 3/16" = 1'-0"



2 PART PLAN AT GROUND FLOOR MEZZANINE (EAST)
SCALE: 3/16" = 1'-0"



- NOTES:**
- TOP OF STRUCTURAL SLAB SHALL BE AS INDICATED ON PLAN.
 - SLAB CONSTRUCTION SHALL BE 2" NORMAL WEIGHT CONCRETE ON TOP OF 7" DEEP 19GA #7@18" KSI COMPOSITE GALVANIZED METAL DECK (TOTAL SLAB DEPTH: 5") REINFORCED WITH #4@12" ON CENTER IN CONCRETE @ 4000 PSI AT 28 DAYS U.O.N.
 - TOP OF STEEL TO BE 5/8" BELOW TOP OF SLAB ELEVATION SPECIFIED IN NOTE 1 U.O.N. THIS (L.) INDICATING DISTANCE ABOVE OR BELOW TOP OF SLAB ELEVATION.
 - STUCCO SHALL BE 1/2" x 7' LONG. ALL STEEL BEAMS SHALL HAVE MIN. 1 STUCCO U.O.N. THIS (L.) ON PLAN.
 - ALL BEAMS SHALL BE FINISH U.O.N.
 - FOR W/O BEAM REACTIONS NOT SHOWN USE A MINIMUM OF 30 KIPS FOR BEAMS LESS THAN 15 FEET LONG.
 - FOR BALANCE OF NOTES SEE DRAWING S-001.

KEY PLAN

PROJECT NORTH TRUE NORTH

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

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

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

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
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TEL: 212 759 6452 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	DESIGN DEVELOPMENT	07-01-2014
2	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
3	STRUCTURAL STEEL BID	09-15-2014
4	STRUCTURAL STEEL BID-ADDENDUM	10-01-2014
5	CD PROGRESS ISSUE 1	10-15-2014
6	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
7	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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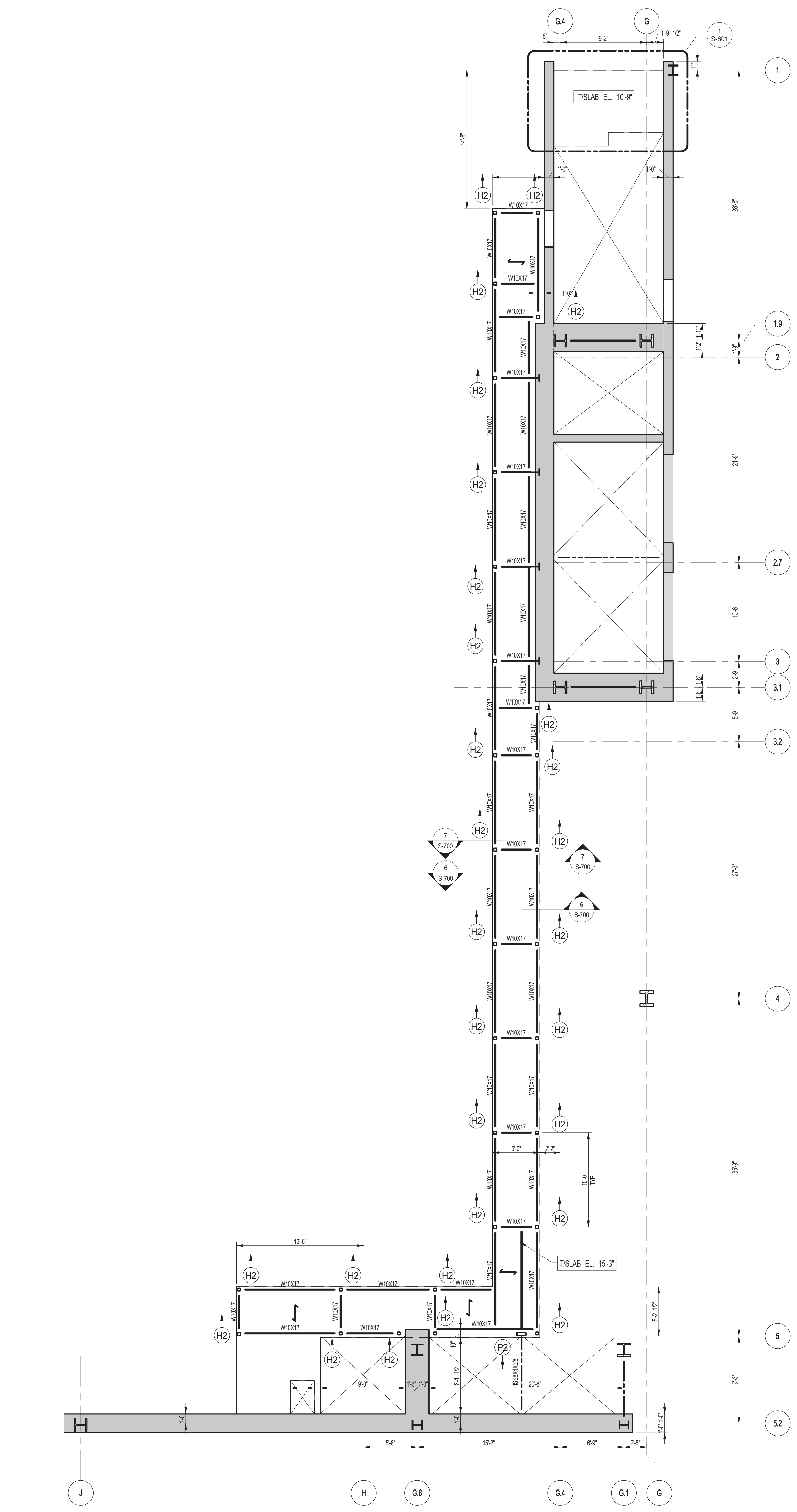
CONSULTANT: WSP
228 East 45th Street
New York, NY 10017
(212) 687-9888
www.wspgroup.com/usca

PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

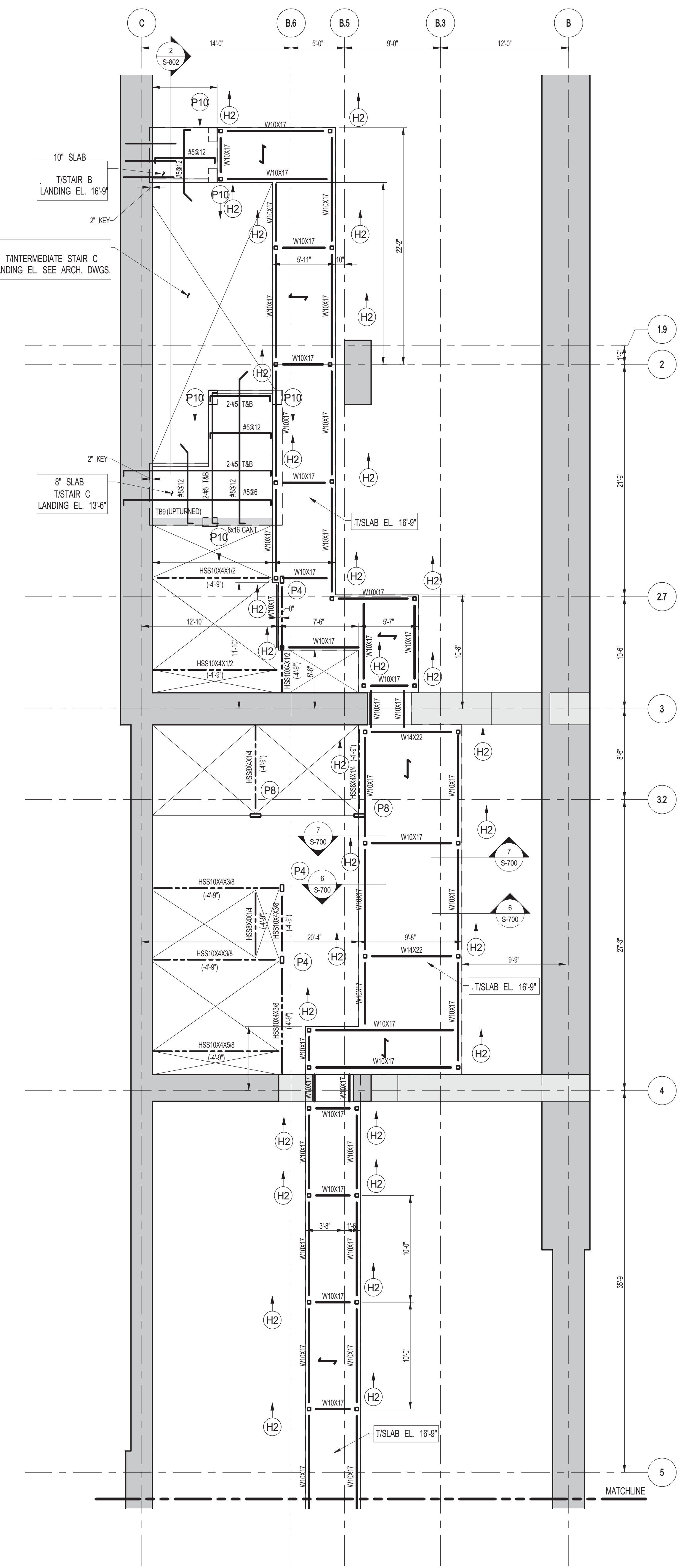
DRAWING TITLE: GROUND FLOOR - MEZZANINE FRAMING PLAN

DATE:	07-01-2014
PROJECT No:	2012185
DRAWN: CADDO	REV: 7
CHK: YE	SCALE: As indicated
DWG No:	S-115.00
DOB EMPLOYEE STAMP:	DOB PAGE No: 22 OF 118
DOB SCAN:	

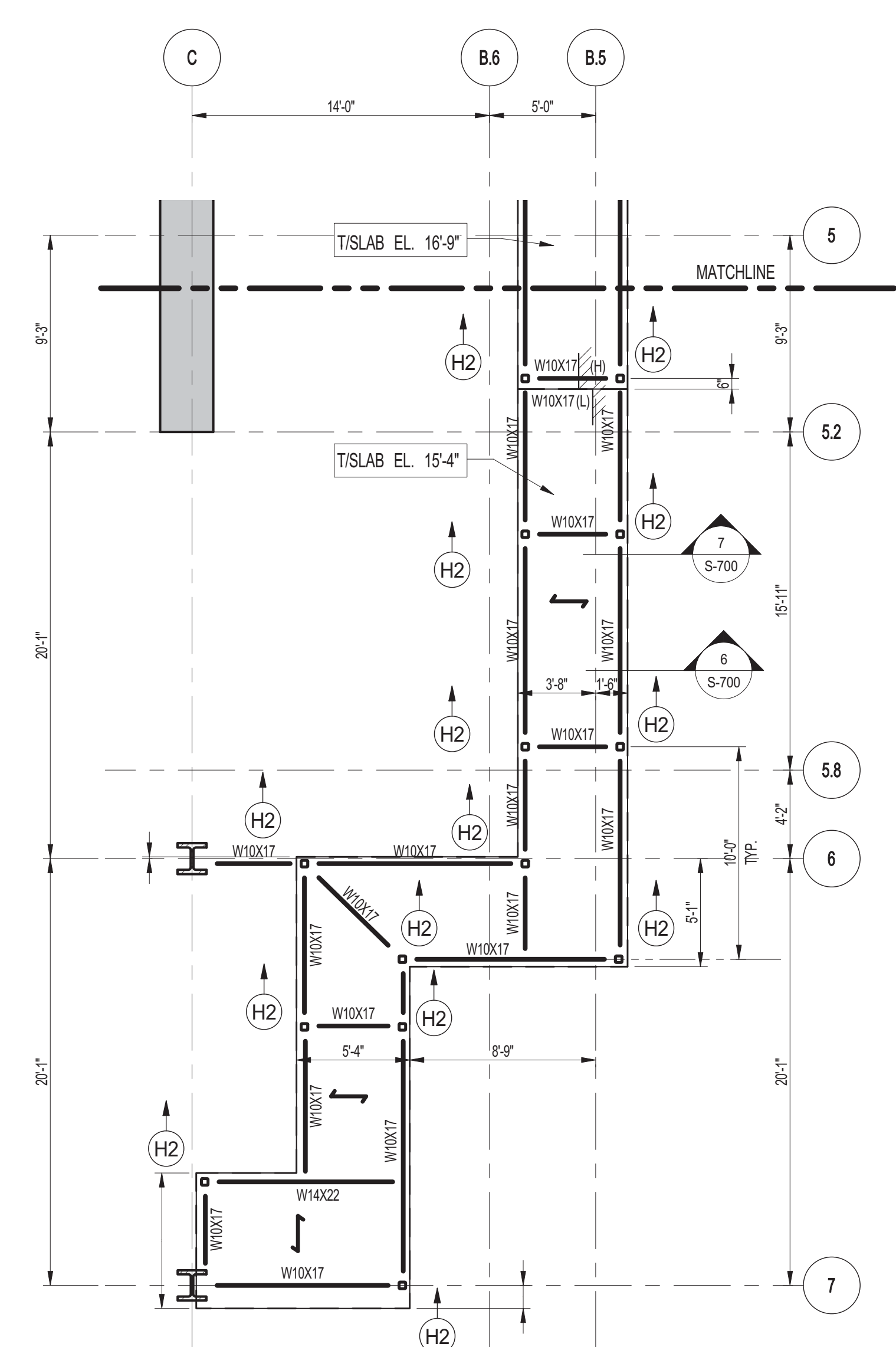
Damian Titus
APPROVED
Under Directive 2 of 1995
Date: 07/09/2015
NYC Development Hub



1 PART PLAN AT GROUND FLOOR MEZZANINE (WEST)
SCALE: 3/16" = 1'-0"



2 PART PLAN AT GROUND FLOOR MEZZANINE (EAST)
SCALE: 3/16" = 1'-0"



- NOTES:**
- TOP OF STRUCTURAL SLAB SHALL BE AS INDICATED ON PLAN.
 - SLAB CONSTRUCTION SHALL BE 2" NORMAL WEIGHT CONCRETE ON TOP OF 7" DEEP 19GA #7@18" KSI COMPOSITE GALVANIZED METAL DECK (TOTAL SLAB DEPTH: 5") REINFORCED WITH #4@12" ON SLAB (CONCRETE IS 4000# AT 28 DAYS) U.O.N.
 - TOP OF STEEL TO BE 5/8" BELOW TOP OF SLAB ELEVATION SPECIFIED IN NOTE 1 U.O.N. THIS (L.I.) INDICATING DISTANCE ABOVE OR BELOW TOP OF SLAB ELEVATION.
 - STUCCO SHALL BE 1/2" x 7' LONG. ALL STEEL BEAMS SHALL HAVE MIN. 1 STUCCO U.O.N. THIS (L.I.) ON PLAN.
 - ALL BEAMS SHALL BE FINISH U.O.N.
 - FOR W/O BEAM REACTIONS NOT SHOWN USE A MINIMUM OF 30 KIPS FOR BEAMS LESS THAN 15 FEET LONG.
 - FOR BALANCE OF NOTES SEE DRAWING S-001.

KEY PLAN

PROJECT NORTH TRUE NORTH

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

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

INTERIOR DESIGNER: Residential
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TEL: 646 998 7000 FAX:

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TEL: 212 759 6452 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	DESIGN DEVELOPMENT	07-01-2014
2	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
3	STRUCTURAL STEEL BID	09-15-2014
4	STRUCTURAL STEEL BID-ADDENDUM	10-01-2014
5	CD PROGRESS ISSUE 1	10-15-2014
6	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
7	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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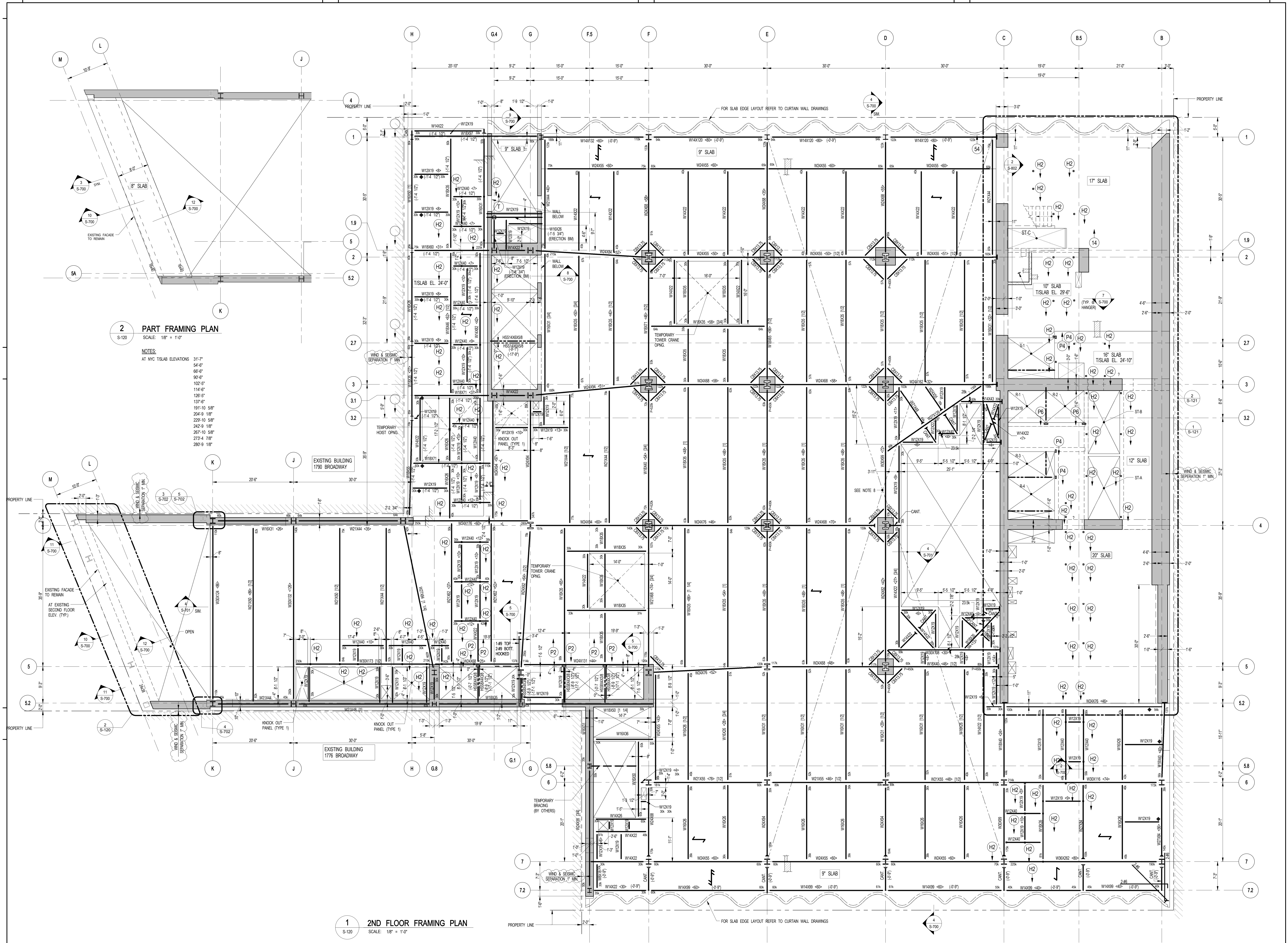
CONSULTANT: WSP
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(212) 687-9888
www.wspgroup.com/usca

PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE: GROUND FLOOR - MEZZANINE FRAMING PLAN

DATE:	07-01-2014
PROJECT No:	2012185
DRAWN: CADDO	REV: 7
CHK: YE	SCALE: As indicated
DWG No:	S-115.00
DOB EMPLOYEE STAMP:	DOB PAGE No: 22 OF 118
DOB SCAN:	

Damian Titus
APPROVED
Under Directive 2 of 1995
Date: 07/09/2015
NYC Development Hub



2 PART FRAMING PLAN
SCALE: 1/8" = 1'-0"

- NOTES:**
AT NYC TSLAB ELEVATIONS
- 31'-7"
 - 34'-0"
 - 36'-0"
 - 38'-0"
 - 40'-0"
 - 42'-0"
 - 44'-0"
 - 46'-0"
 - 48'-0"
 - 50'-0"
 - 52'-0"
 - 54'-0"
 - 56'-0"
 - 58'-0"
 - 60'-0"
 - 62'-0"
 - 64'-0"
 - 66'-0"
 - 68'-0"
 - 70'-0"
 - 72'-0"
 - 74'-0"
 - 76'-0"
 - 78'-0"
 - 80'-0"
 - 82'-0"
 - 84'-0"
 - 86'-0"
 - 88'-0"
 - 90'-0"
 - 92'-0"
 - 94'-0"
 - 96'-0"
 - 98'-0"
 - 100'-0"

1 2ND FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

- NOTES:**
- TOP OF STRUCTURAL SLAB SHALL BE 24" U.O.N.
 - SLAB CONSTRUCTION SHALL BE 2" NORMAL WEIGHT CONCRETE ON TOP OF 3" DEEP 10GA (P#40 KSI) CONCRETE GALVANIZED METAL DECK (TOTAL SLAB DEPTH 5") REINFORCED WITH #4@12" ON CENTER CONCRETE F#40000 AT 28 DAYS U.O.N.
 - TOP OF STEEL TO BE 5" BELOW TOP OF SLAB ELEVATION SPECIFIED IN NOTE 1 U.O.N. THIS (+/-) INDICATING DISTANCE ABOVE OR BELOW TOP OF SLAB ELEVATION.
 - STUDS SHALL BE 100 X 8" LONG. ALL STEEL BEAMS SHALL HAVE MIN 1 STUFT U.O.N. THIS (-) ON PLAN.
 - WIND INDICATES IF FORMED CONCRETE SLAB F#40000 IS REINFORCED WITH #8@12" E.W. T&B.
 - PROVIDE FULL DEPTH STIFF @ EACH ESCALATOR SUPPORT NOTED THIS (+) ON PLAN COORDINATE LOCATIONS WITH ESCALATOR MANUFACTURER.
 - FOR BEAM REACTIONS NOT SHOWN USE A MINIMUM OF 30 KIPS FOR BEAMS LESS THAN 15 FEET LONG.
 - WHERE NOTED ON PLAN SLAB REINF SHALL BE #8@12" E.W.
 - ALL BEAM CONNECTIONS SHALL DEVELOP FULL FORCE OF PUNCH CRACKERS (SUPPORTING OTHER MEMBERS) P-175 AT EACH END U.O.N. IN ADDITION TO ALL OTHER LOADS.
 - FOR BALANCE OF NOTES SEE DRAWING S&B.
 - BEAMS WITHIN OR CROSSING TOWER CRANE OPENING SHALL BE INSTALLED AFTER CRANE / HOIST IS REMOVED.

KEY PLAN

PROJECT NORTH

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

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

INTERIOR DESIGNER: Residential
Rotter Architecture and Design Studio, PLLC
288 Fifth Ave, 7th Floor
New York, NY 10001
TEL: 646 988 7000 FAX:

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
AJL ARCHITECTS, P.C.
401 Wellington St W, 3rd Floor
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TEL: 416 967 1500 FAX: 416 967 7150

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TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS:
Lagan Engineering & Environmental Services
21 Penn Plaza, 360 West 37th Street, 9th Floor
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CODE CONSULTANTS:
Construction Consulting Associates
100 Church Street
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TEL: 212 385 5818 FAX: 212 385 1911

CURTAINWALL CONSULTANT:
AJLP Consulting
40 Worth Street, Suite 828
New York, NY 10013
TEL: 212 757 8650 FAX: 646 219 8508

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

No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	STEEL BID PACKAGE	05-22-2014
4	SUPERSTRUCTURE CONCRETE BID	06-02-2014
5	DESIGN DEVELOPMENT	07-01-2014
6	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
7	STRUCTURAL STEEL BID	09-15-2014
8	STRUCTURAL STEEL BID-ADDENDUM	10-01-2014
9	CD PROGRESS ISSUE 1	10-15-2014
10	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
11	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
12	DOB SUBMISSION ISSUE 3	12-19-2014
13	CD PROGRESS ISSUE-2	12-19-2014
14	ISSUED FOR 8TH FLOOR MILL ORDER - PHASE 1	01-14-2015
15	CD UPDATE ISSUE	02-10-2015
16	CONSTRUCTION DOCUMENTS ISSUE 3	03-09-2015
17	PROGRESS CD	05-08-2015
18	DOB SUBMISSION	05-19-2015

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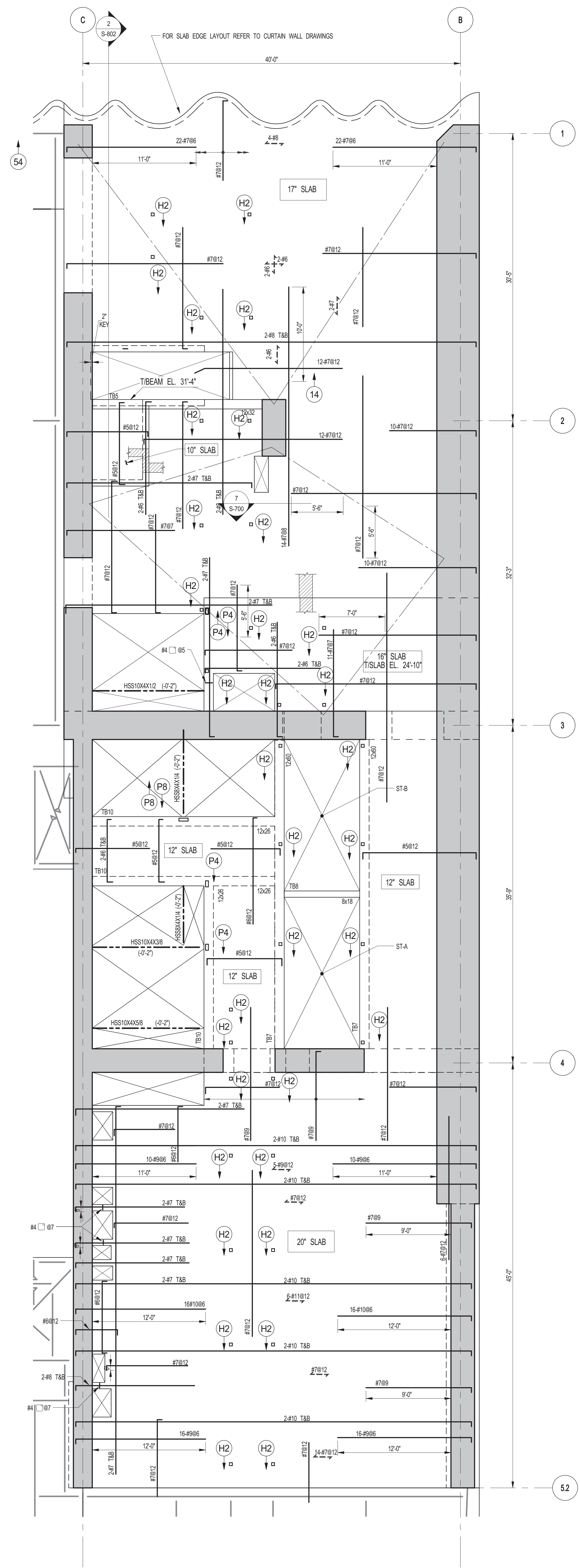
CONSULTANT:
WSP 228 East 45th Street
New York, NY 10017
(212) 687-9888
www.wspgroup.com/us

PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

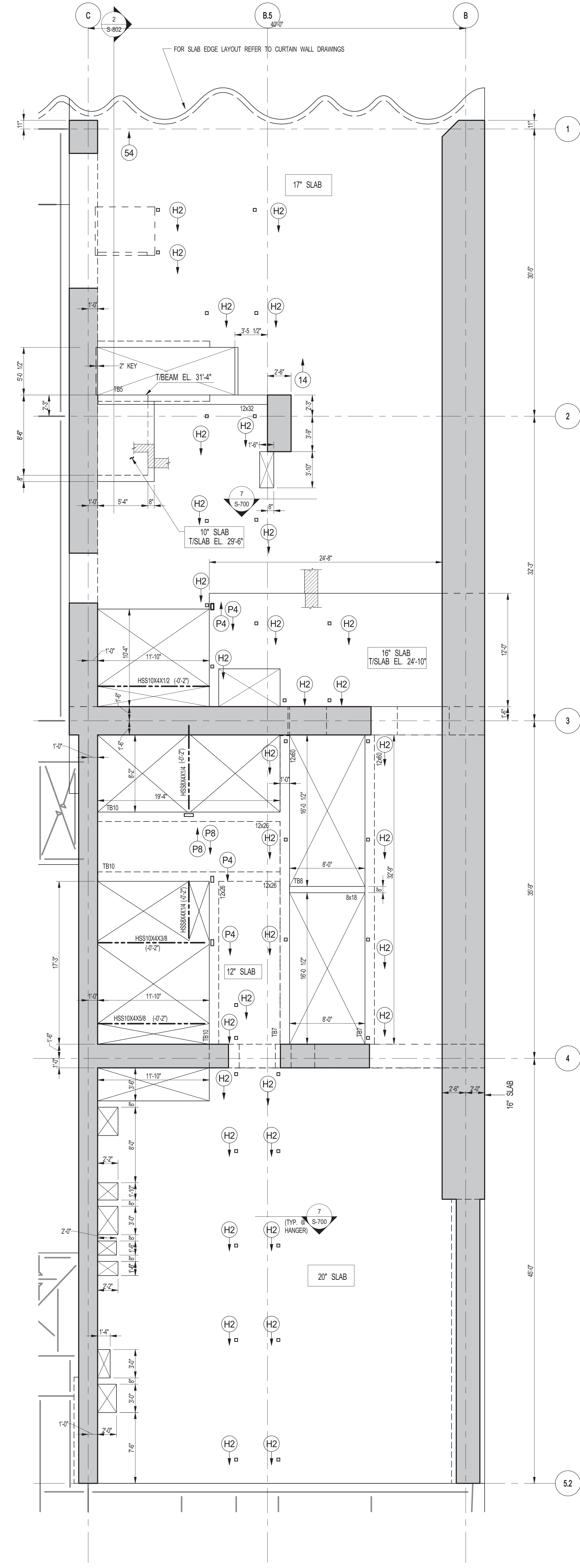
DRAWING TITLE:
2ND FLOOR - FRAMING PLAN

DATE:	03-31-2014
PROJECT No:	2012185
DRAWN: CAD	REV:
CHK: YE	18
SCALE: 1/8" = 1'-0"	
DWG No:	S-120.00
DOB PAGE No: 19 of XXX	
DOB EMPLOYEE STAMP:	DOB S-SCAN:

Seal & Signature:
Damian Titus
Professional Engineer
Approved Under Directive 2 of 1995
Date: 07/09/2015
NYC Development Hub



1 2ND FLOOR FRAMING PLAN
 SCALE: 3/16" = 1'-0"
 NOTES:
 1. FOR TSLAB ELEVATION SEE S-120.
 2. CONCRETE SLAB SHAL BE 3" THICK UON THIS ... ON PLAN.
 3. CONCRETE STRENGTH f_c OF SLAB SHALL BE 10,000 PSI.
 4. BOTTOM REINFORCEMENT TO BE #8@12 E.W. CONT. FOR 17' & 20' SLAB.
 5. #9@12 E.W. CONT. FOR 10' & 12' SLAB.
 5. FOR BALANCE OF INFORMATION SEE DRAWING S-101.



2 2ND FLOOR GENERAL ARRANGEMENT PLAN
 SCALE: 3/16" = 1'-0"
 NOTES:
 1. FOR SLAB INFORMATION SEE CORRESPONDING FRAMING PLAN.

KEY PLAN

PROJECT NORTH TRUE NORTH

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

DESIGN ARCHITECT: Base Building Shell & Core
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 111 WEST MONROE STREET SUITE 2300
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INTERIOR DESIGNER: Residential
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ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
AJM ARCHITECTS, P.C.
 401 Westchester St., 3rd Floor
 Toronto, ON M5V 1E7 Canada
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MEP ENGINEER: AKF GROUP
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GEOTECHNICAL ENGINEER: Langan Engineering & Environmental Services
 21 Penn Plaza - 360 West 31st Street, 9th Floor
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 100 Church Street
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CURTAINWALL CONSULTANT: A.J.L.P. Consulting
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LANDMARK/PRESERVATION CONSULTANT: Jan Hind Pokorny Associates, Inc.
 39 West 37th Street, 12A
 New York, NY 10018
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No.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
2	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
3	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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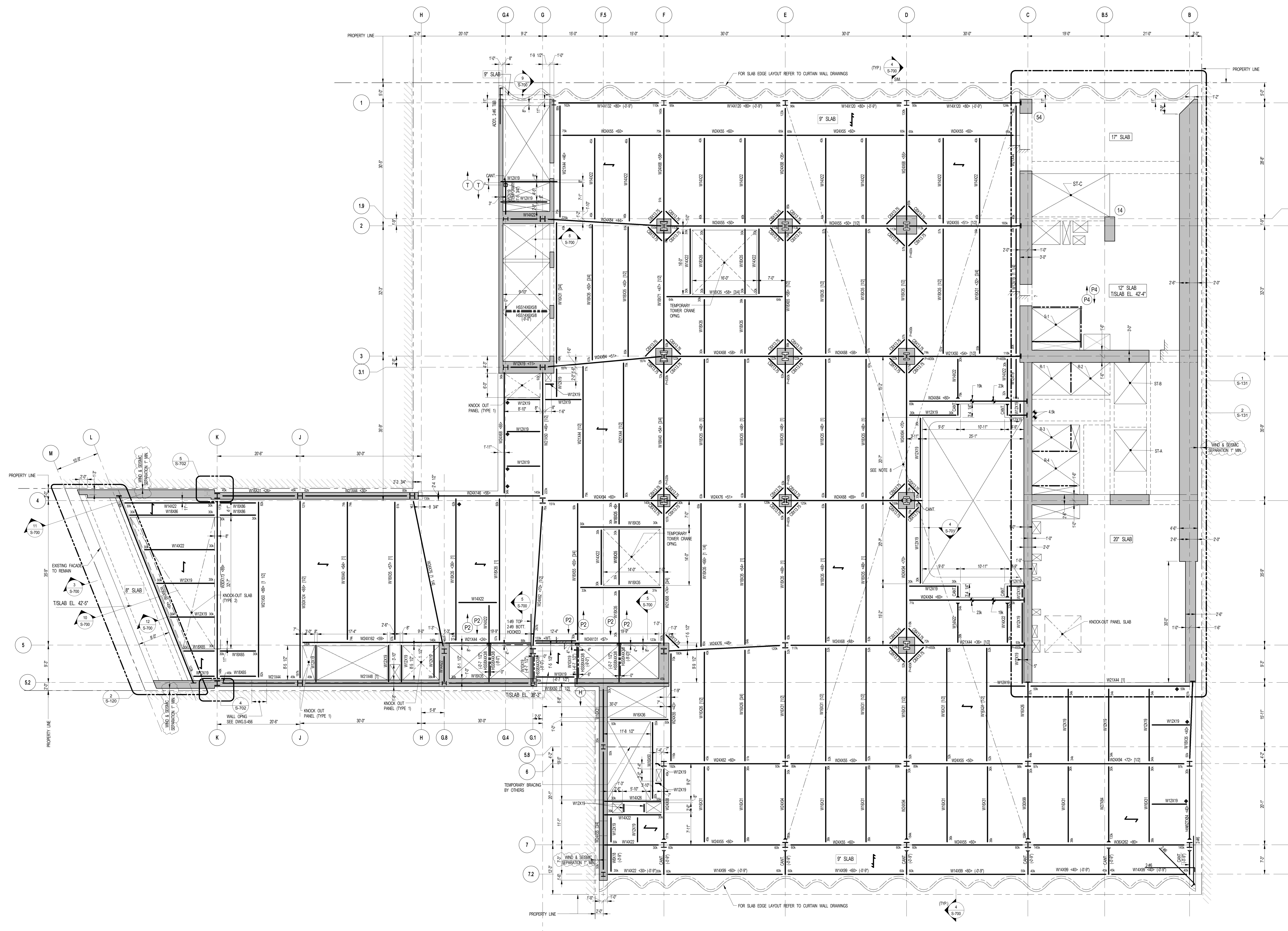
CONSULTANT: WSP
 228 East 45th Street
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 (212) 687-9888
 www.wspgroup.com/us

PROJECT: 217 WEST 57TH STREET
 NEW YORK, NY

DRAWING TITLE: 2ND FLOOR - PART GENERAL ARRANGEMENT AND REINFORCING PLAN

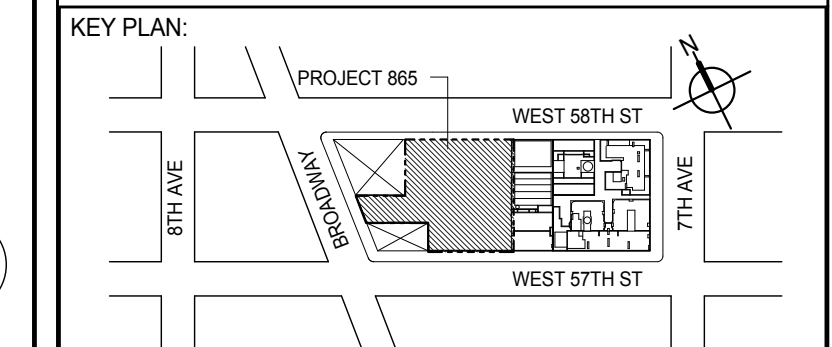
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PROJECT No: 2012185	
DRAWN: CAD	
CHK: YE	
SCALE: As indicated	
DWG No: S-121.00	
DOB PAGE No: 24 OF 118	
DOB EMPLOYEE STAMP:	DOB S-SCAN:

Damian Titus
 Buildings APPROVED
 Date: 01/09/2015
 NYC Development Hub



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

- NOTES:**
- TOP OF STRUCTURAL SLAB SHALL BE 43'-7" U.O.N.
 - SLAB CONSTRUCTION SHALL BE 3" NORMAL WEIGHT CONCRETE ON TOP OF 3" DEEP 18GA PLY-40 KSI COMPOSITE GALVANIZED METAL DECK (TOTAL SLAB DEPTH: 5'-7"), REINFORCED WITH 44-W20M25 WWF CONCRETE REINFORCING BARS @ 20 BARS U.O.N.
 - TOP OF STEEL TO BE 5'-0" BELOW TOP OF SLAB ELEVATION SPECIFIED IN NOTE 1 U.O.N. THIS (L-) INDICATING DISTANCE ABOVE OR BELOW TOP OF SLAB ELEVATION.
 - STEELS SHALL BE 1/2" x 8" LONG. ALL STEEL BEAMS SHALL HAVE MIN. 1 STUDDT. U.O.N. THIS (<-) ON PLAN.
 - INDICATES P CONCRETE SLAB 18-300PSI, REIN. WITH #5@12 TAB E.W.
 - PROVIDE FULL DEPTH STEEP IN EACH ESCALATOR SUPPORT NOTED THIS (E) ON PLAN.
 - FOR BEAM REACTIONS NOT SHOWN USE A MINIMUM OF 30 KIPS FOR BEAMS LESS THAN 15 FEET LONG.
 - WHERE NOTED ON PLAN SLAB REIN. SHALL BE #4@12 TOP E.W.
 - ALL BEAM CONNECTIONS SHALL DEVELOP FULL FORCE OF P-H AND ORDERS (SUPPORTING OTHER MEMBERS) P-H/TK AT EACH END U.O.N. IN ADDITION TO ALL OTHER LOADS.
 - FOR BALANCE OF NOTES SEE DRAWING S-011.
 - BEAMS WITHIN OR CROSSING TOWER CRANE OPENING SHALL BE INSTALLED AFTER CRANE IS REMOVED.



PROJECT NORTH

TRUE NORTH

DEVELOPER:
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LANDMARK/PRESERVATION CONSULTANT:
Jan Hind Pokorny Associates, Inc.
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New York, NY 10018
TEL: 212 759 6452 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	STEEL BID PACKAGE	05-22-2014
4	SUPERSTRUCTURE CONCRETE BID	06-02-2014
5	DESIGN DEVELOPMENT	07-01-2014
6	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
7	STRUCTURAL STEEL BID	09-15-2014
8	STRUCTURAL STEEL BID-ADDENDUM	10-01-2014
9	CD PROGRESS ISSUE 1	10-15-2014
10	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
11	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
12	DOB SUBMISSION ISSUE 3	12-19-2014
13	CD PROGRESS ISSUE-2	12-19-2014
14	ISSUED FOR 8TH FLOOR MILL ORDER - PHASE 1	01-14-2015
15	CD UPDATE ISSUE	02-10-2015
16	CONSTRUCTION DOCUMENTS ISSUE 3	03-09-2015
17	PROGRESS CD	05-08-2015
18	DOB SUBMISSION	05-19-2015

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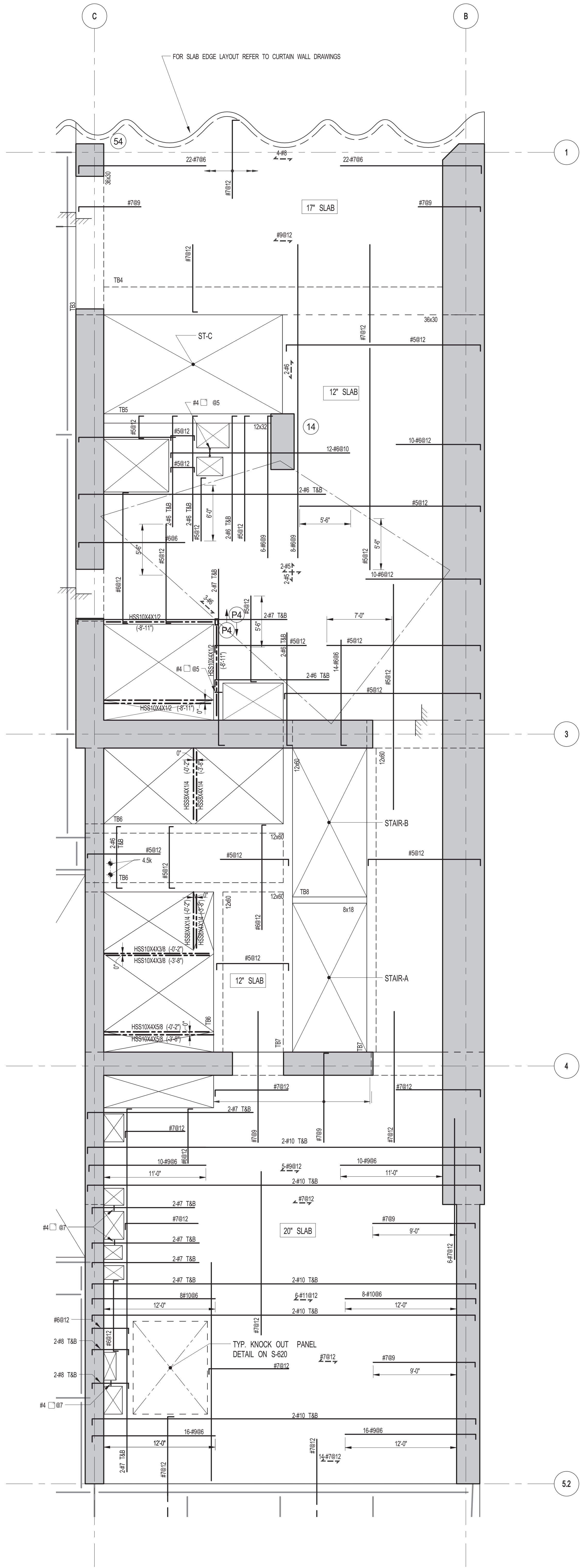
ALL DIMENSIONS ARE SHOWN IN IMPERIAL.
CONSULTANT:
WSP 228 East 45th Street
New York, NY 10017
(212) 687-9888
www.wspgroup.com/us

PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:
3RD FLOOR - FRAMING PLAN

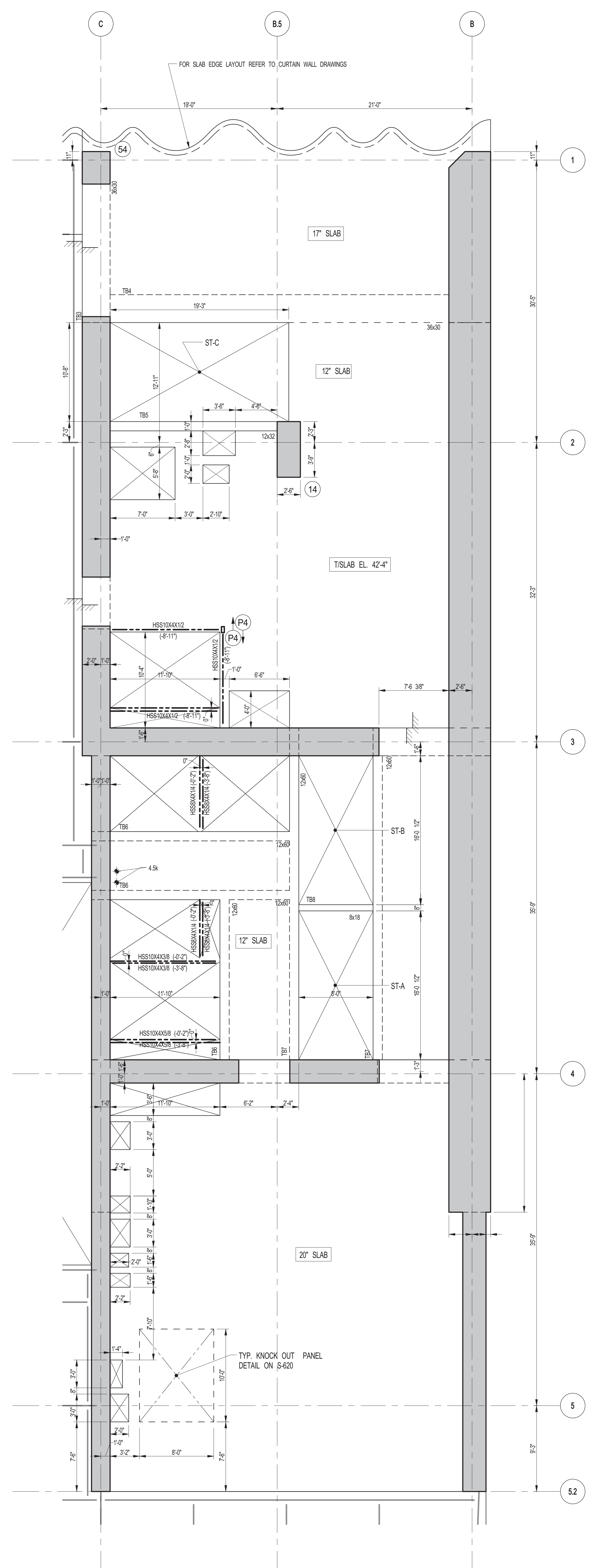
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DATE: 03-31-2014
PROJECT No: 2012188
DRAWN: CADD
CHK: YE
SCALE: 1/8" = 1'-0"
DWG No: **S-130.00**
DOB EMPLOYEE STAMP: [Stamp]
DOB PAGE No: 20 of 20X
DOB S-SCAN: [Stamp]

Damian Titus
APPROVED
Under Directive 2 of 1995
Date: 07/09/2015
NYC Development Hub



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

- NOTES:**
1. FOR TISLAB ELEVATION SEE S-130
 2. CONCRETE SLAB SHALL BE 2" THICK U.O.N. THIS ... ON PLAN
 3. CONCRETE STRENGTH F_c OF SLAB SHALL BE 3000 PSI
 4. BOTTOM REINFORCEMENT TO BE #8@12 E.W. CONT. FOR 17' & 20' SLAB
#5@12 E.W. CONT. FOR 12' SLAB
 5. FOR BALANCE OF INFORMATION SEE DRAWING S-01



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

- NOTES:**
1. FOR SLAB INFORMATION SEE CORRESPONDING FRAMING PLAN

KEY PLAN

PROJECT NORTH TRUE NORTH

DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 THIRD AVENUE, 7TH FLOOR
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40 Worth Street, Suite 826
New York, NY 10013
TEL: 212 757 8659 FAX: 646 219 8508

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

No.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
2	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
3	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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

PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

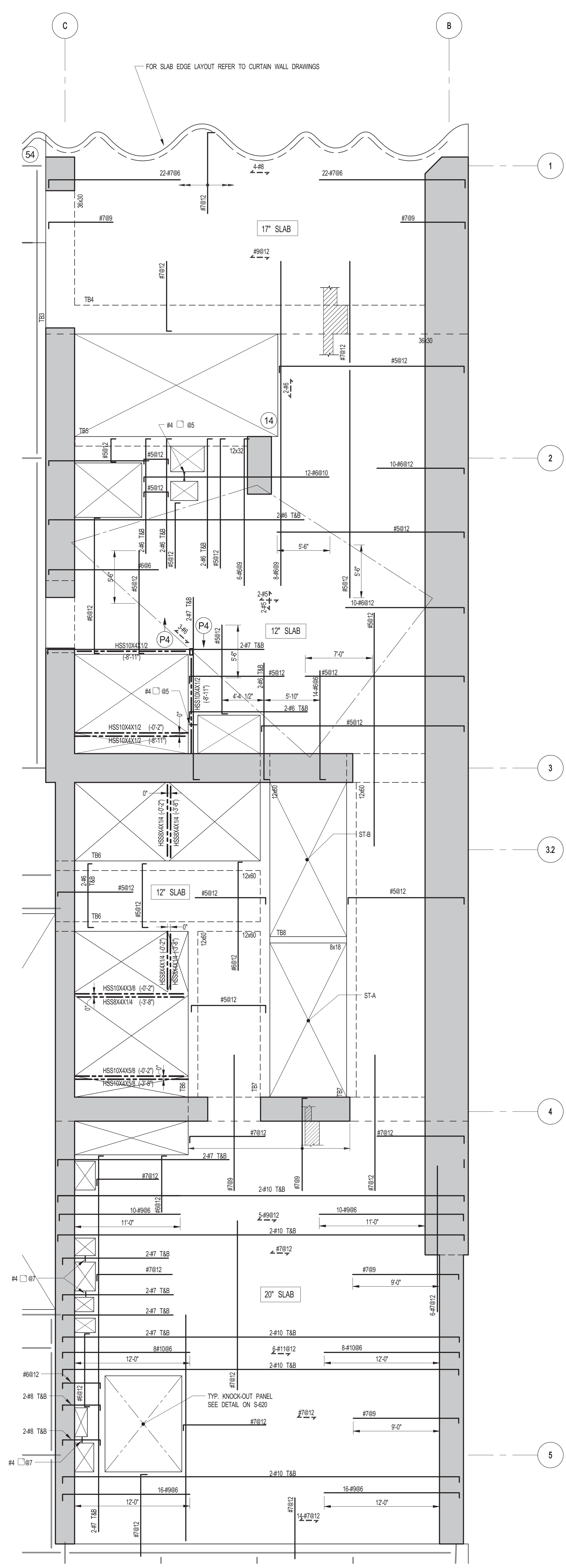
DRAWING TITLE:
3RD FLOOR - PART GENERAL ARRANGEMENT AND REINFORCING PLAN

DATE: XX-XX-XX	PROJECT No: 2012185
DRAWN: CAD	REV: 3
CHK: YE	SCALE: As indicated
DWG No:	

S-131.00

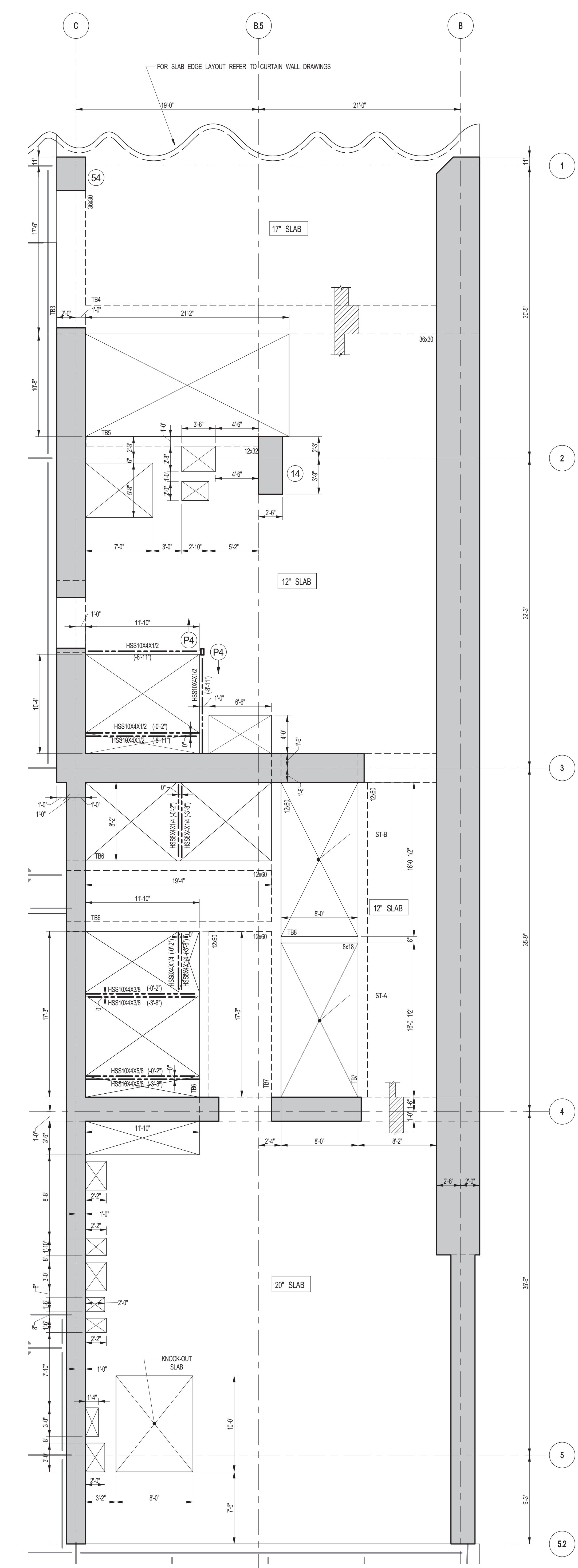
DOB EMPLOYEE STAMP: **Damian Titus**
DOB PAGE No: 28 OF 118
DOB S-SCAN:

APPROVED
Under Directive 2 of 1975
Date: 09/29/2015
NYC Development Hub



1 4TH FLOOR FRAMING PLAN
SCALE: 3/16" = 1'-0"

- NOTES:**
1. FOR TISLAB ELEVATION SEE S-140
 2. CONCRETE SLAB SHALL BE 2" THICK U.O.N. THIS ... ON PLAN
 3. CONCRETE STRENGTH FC OF SLAB SHALL BE 3000 PSI
 4. BOTTOM REINFORCEMENT TO BE #5@12 E.V. CONT. FOR 17" & 20" SLAB. #5@12 E.V. CONT. FOR 12" SLAB
 5. FOR BALANCE OF INFORMATION SEE DRAWING S-101



2 4TH FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/16" = 1'-0"

- NOTES:**
1. FOR SLAB INFORMATION SEE CORRESPONDING FRAMING PLAN

KEY PLAN

PROJECT NORTH **TRUE NORTH**

DEVELOPER:
EXTRELL DEVELOPMENT COMPANY
805 THIRD AVENUE, 7TH FLOOR
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INTERIOR DESIGNER: Residential
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LANDMARK/PRESERVATION CONSULTANT:
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New York, NY 10018
TEL: 212 759 6452 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
2	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
3	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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CONSULTANT:
WSP 228 East 45th Street
New York, NY 10017
(212) 687-9888
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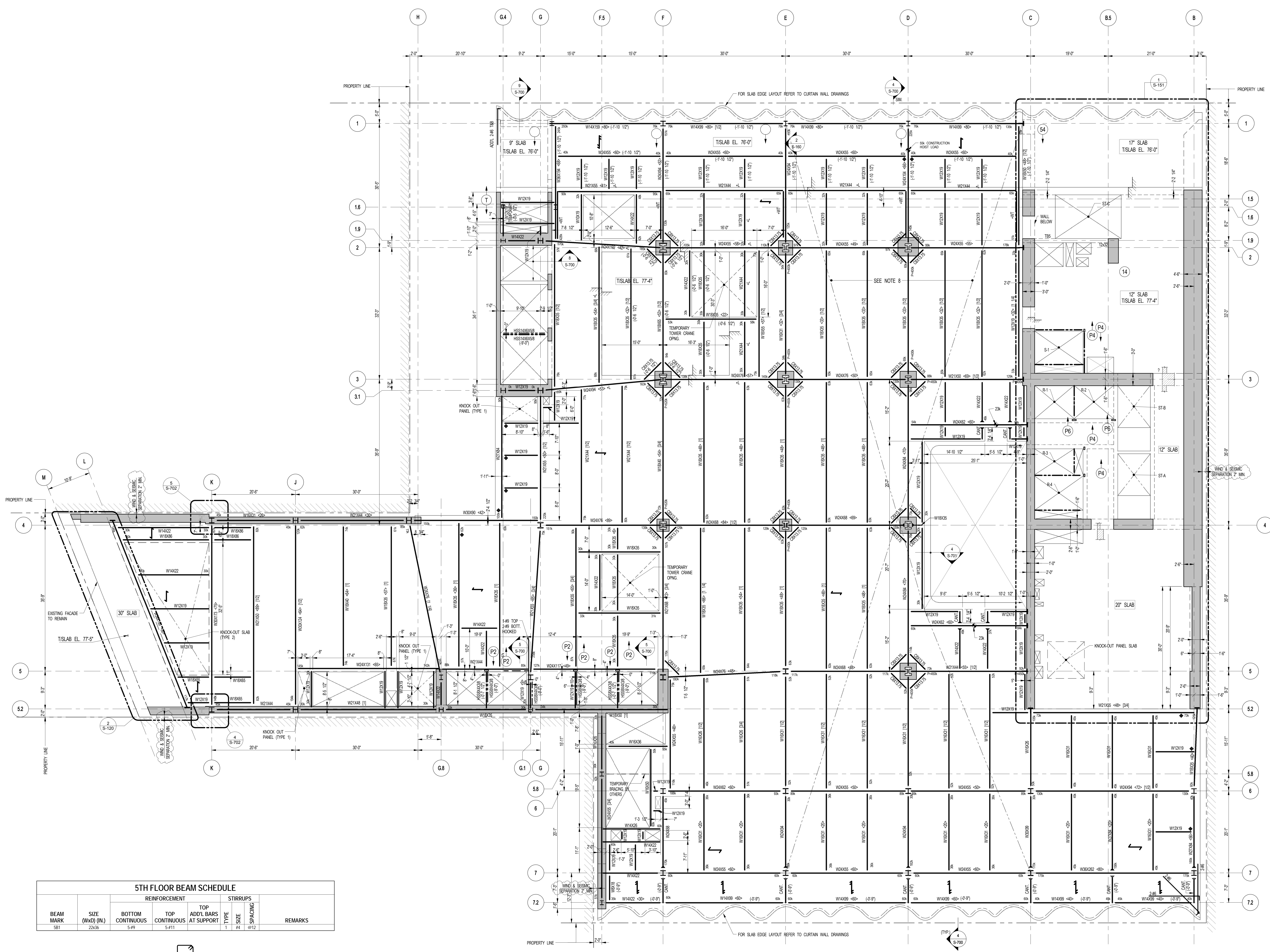
PROJECT:
**217 WEST 57TH STREET
NEW YORK, NY**

DRAWING TITLE:
**4TH FLOOR - PART GENERAL
ARRANGEMENT AND REINFORCING
PLAN**

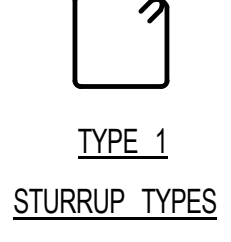
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PROJECT No:	2012185
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CHK: YE	
SCALE: As indicated	
DWG No:	
S-141.00	
DOB PAGE No:	28 OF 118
DOB EMPLOYEE STAMP:	DOB S-CAN:

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
Date: 07/02/2015
NYC Development Hub

SEE PLAN 404 SHEET 004



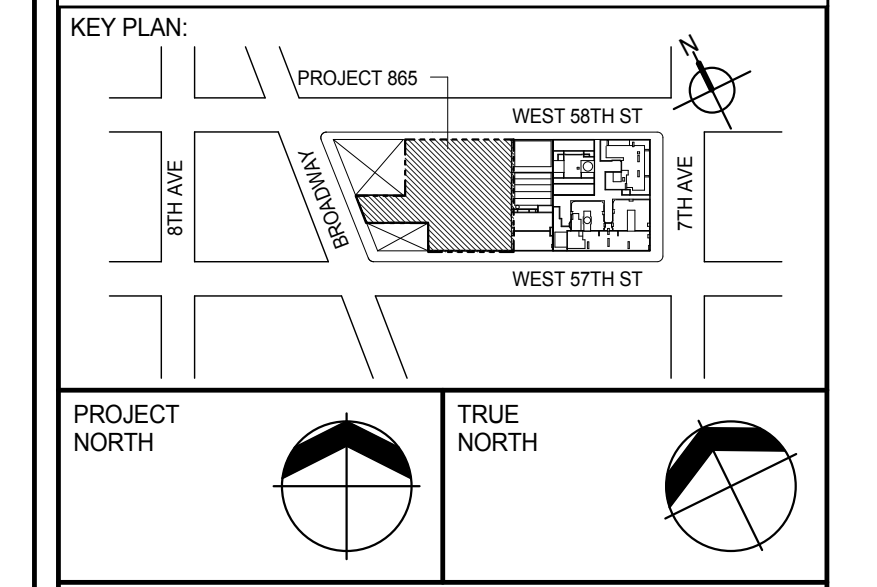
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		BOTTOM CONTINUOUS	TOP CONTINUOUS AT SUPPORT	TYPE	SIZE	
S81	22x36	5-#9	5-#11	1	#4 @12	



5TH FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

NOTES:

- TOP OF STRUCTURAL SLAB SHALL BE 77'-5" U.O.N.
- SLAB CONSTRUCTION SHALL BE 2" NORMAL WEIGHT CONCRETE ON TOP OF 3" DEEP #5A (4-#8) KSI COMPOSITE GALVANIZED METAL DECK (TOTAL SLAB DEPTH = 5") REINFORCED WITH 4#4W2X3 WWF (CONCRETE f_c4000psi AT 28 DAYS) U.O.N.
- TOP OF STEEL TO BE 5" BELOW TOP OF SLAB ELEVATION SPECIFIED IN NOTE 1 U.O.N. THIS IS INDICATING DISTANCE ABOVE OR BELOW TOP OF SLAB ELEVATION.
- STUDS SHALL BE 1/2" x 5" LONG ALL STEEL BEAMS SHALL HAVE MIN. 1 STUDFT. U.O.N. THIS IS ON PLAN.
- #7 INDICATES 9" CONCRETE SLAB FOR 600PSI REINF. WITH #612 BAR.
- PROVIDE FULL DEPTH STIFF @ EACH ESCALATOR SUPPORT NOTED THIS ON PLAN COORDINATE LOCATIONS W/ ESCALATOR MANUFACTURER.
- FOR BEAM REACTIONS NOT SHOWN USE A MINIMUM OF 30 KIPS FOR BEAMS LESS THAN 15 FEET LONG.
- WHERE NOTED ON PLAN SLAB REINF. SHALL BE #412 TOP E.W.
- ALL BEAM CONNECTIONS SHALL DEVELOP AXIAL FORCE OF 1-PON GROERS (SUPPORTING OTHER MEMBERS) PER AT EACH END U.O.N. IN ADDITION TO ALL OTHER LOADS.
- PROVIDE ALLOWANCE OF 15 DAYS FOR TYPICAL DETAILS SEE 8400 SERIES DWGS.
- FOR BALANCE OF NOTES SEE DRAWING 8400.
- BEAMS WITHIN OR CROSSING TOWER CRANE OPENING SHALL BE INSTALLED AFTER CRANE IS REMOVED.



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

DESIGN ARCHITECT: Base Building Shell & Core
ADRIAN SMITH + GORDON GILL ARCHITECTURE
111 WEST MONROE STREET SUITE 2300
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INTERIOR DESIGNER: Residential
Rotter Architecture and Design Studio, PLLC
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ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	STEEL BID PACKAGE	05-22-2014
4	SUPERSTRUCTURE CONCRETE BID	06-02-2014
5	DESIGN DEVELOPMENT	07-01-2014
6	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
7	STRUCTURAL STEEL BID	09-15-2014
8	STRUCTURAL STEEL BID-ADDENDUM	10-01-2014
9	CD PROGRESS ISSUE 1	10-15-2014
10	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
11	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
12	DOB SUBMISSION	12-19-2014
13	CD PROGRESS ISSUE-2	12-19-2014
14	ISSUED FOR 8TH FLOOR MILL ORDER - PHASE 1	01-14-2015
15	CD UPDATE ISSUE	02-10-2015
16	CONSTRUCTION DOCUMENTS ISSUE 3	03-09-2015
17	PROGRESS CD	05-08-2015
18	DOB SUBMISSION	05-19-2015

No.	DESCRIPTION	DATE
19	ISSUED FOR CONSTRUCTION UP TO 10TH FLOOR ONLY	06-15-2015
20	ISSUED FOR CONSTRUCTION UP TO 12TH FLOOR ONLY	07-15-2015
21	ISSUED FOR CONSTRUCTION UP TO 15TH FLOOR ONLY	08-15-2015
22	ISSUED FOR CONSTRUCTION UP TO 18TH FLOOR ONLY	09-15-2015
23	ISSUED FOR CONSTRUCTION UP TO 21ST FLOOR ONLY	10-15-2015
24	ISSUED FOR CONSTRUCTION UP TO 24TH FLOOR ONLY	11-15-2015
25	ISSUED FOR CONSTRUCTION UP TO 27TH FLOOR ONLY	12-15-2015
26	ISSUED FOR CONSTRUCTION UP TO 30TH FLOOR ONLY	01-15-2016
27	ISSUED FOR CONSTRUCTION UP TO 33RD FLOOR ONLY	02-15-2016
28	ISSUED FOR CONSTRUCTION UP TO 36TH FLOOR ONLY	03-15-2016
29	ISSUED FOR CONSTRUCTION UP TO 39TH FLOOR ONLY	04-15-2016
30	ISSUED FOR CONSTRUCTION UP TO 42ND FLOOR ONLY	05-15-2016
31	ISSUED FOR CONSTRUCTION UP TO 45TH FLOOR ONLY	06-15-2016
32	ISSUED FOR CONSTRUCTION UP TO 48TH FLOOR ONLY	07-15-2016
33	ISSUED FOR CONSTRUCTION UP TO 51ST FLOOR ONLY	08-15-2016
34	ISSUED FOR CONSTRUCTION UP TO 54TH FLOOR ONLY	09-15-2016
35	ISSUED FOR CONSTRUCTION UP TO 57TH FLOOR ONLY	10-15-2016
36	ISSUED FOR CONSTRUCTION UP TO 60TH FLOOR ONLY	11-15-2016
37	ISSUED FOR CONSTRUCTION UP TO 63RD FLOOR ONLY	12-15-2016
38	ISSUED FOR CONSTRUCTION UP TO 66TH FLOOR ONLY	01-15-2017
39	ISSUED FOR CONSTRUCTION UP TO 69TH FLOOR ONLY	02-15-2017
40	ISSUED FOR CONSTRUCTION UP TO 72ND FLOOR ONLY	03-15-2017

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228 East 45th Street
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www.wspgroup.com/us

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

DRAWING TITLE:
5TH FLOOR - FRAMING PLAN

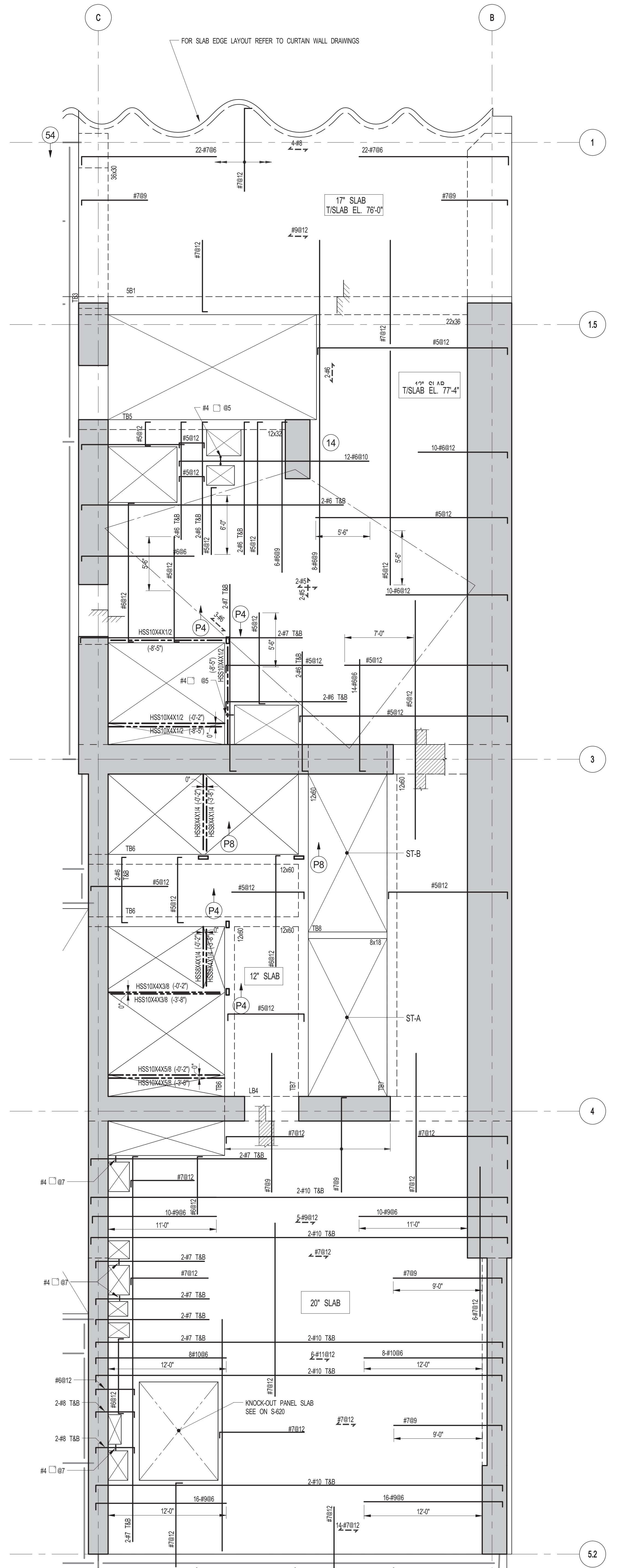
DATE: 03-31-2014
PROJECT No: 2012185

DRAWN: CAD
CHK: YE
SCALE: 1/8" = 1'-0"
DWG No:
S-150.00

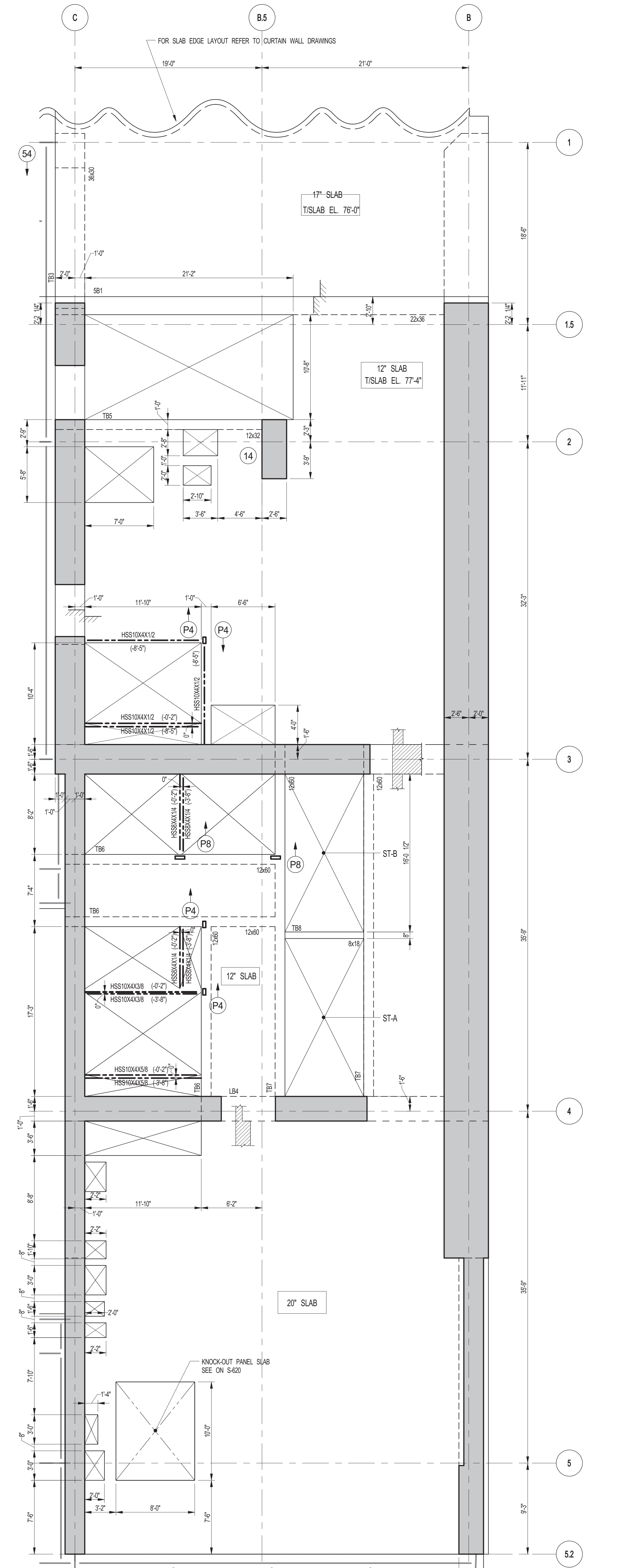
DOB EMPLOYEE STAMP: DOB PAGE No: 22 of XXX DOB S-SCAN:

Seal and Signature of **Damian Titus**, Building Professional.
APPROVED Under Directive 2 of 1975
Date: 07/09/2015
NYC Development Hub

FILE NAME: C:\Users\ADMINISTRATOR\Documents\WSP\217 West 57th St\WSP_2012185_217 West 57th St_L18_20120304.rvt



1 5TH FLOOR FRAMING PLAN
 SCALE: 3/16" = 1'-0"
 NOTES:
 1. FOR TISLAB ELEVATION SEE S-150.
 2. CONCRETE SLAB SHAL BE 20" THICK UNLN. THIS ... ON PLAN.
 3. CONCRETE STRENGTH IN CF SLAB SHALL BE 10,000 PSI.
 4. BOTTOM REINFORCEMENT TO BE #8@12 E.W. CONT. FOR 17' & 20' SLAB.
 5. #5@12 E.W. CONT. FOR 12' SLAB.
 6. FOR BALANCE OF INFORMATION SEE DRAWING S-201.



2 5TH FLOOR GENERAL ARRANGEMENT PLAN
 SCALE: 3/16" = 1'-0"
 NOTES:
 1. FOR SLAB INFORMATION SEE CORRESPONDING FRAMING PLAN.

KEY PLAN

PROJECT NORTH

DEVELOPER:
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 805 THIRD AVENUE, 7TH FLOOR
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No.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
2	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
3	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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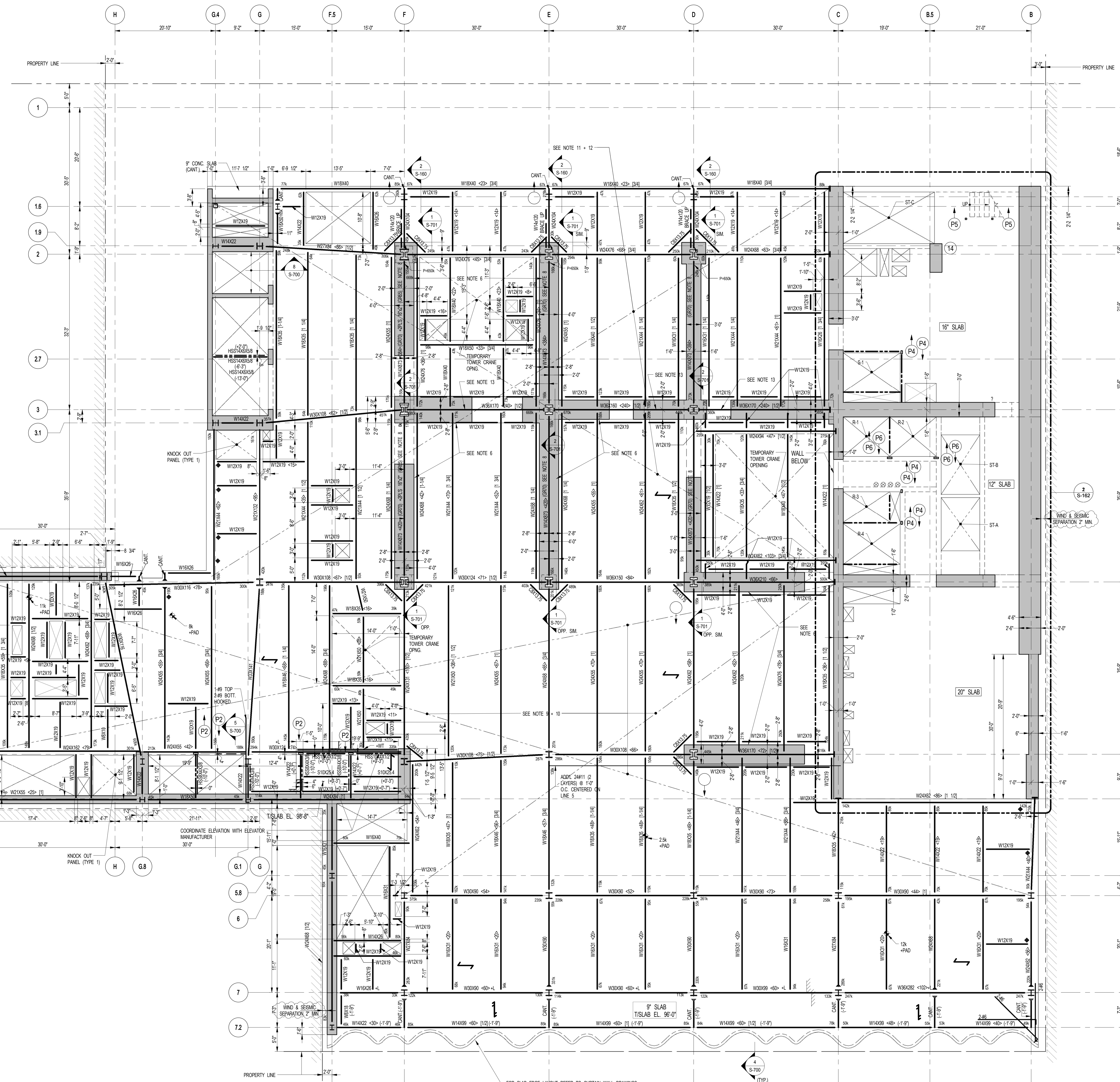
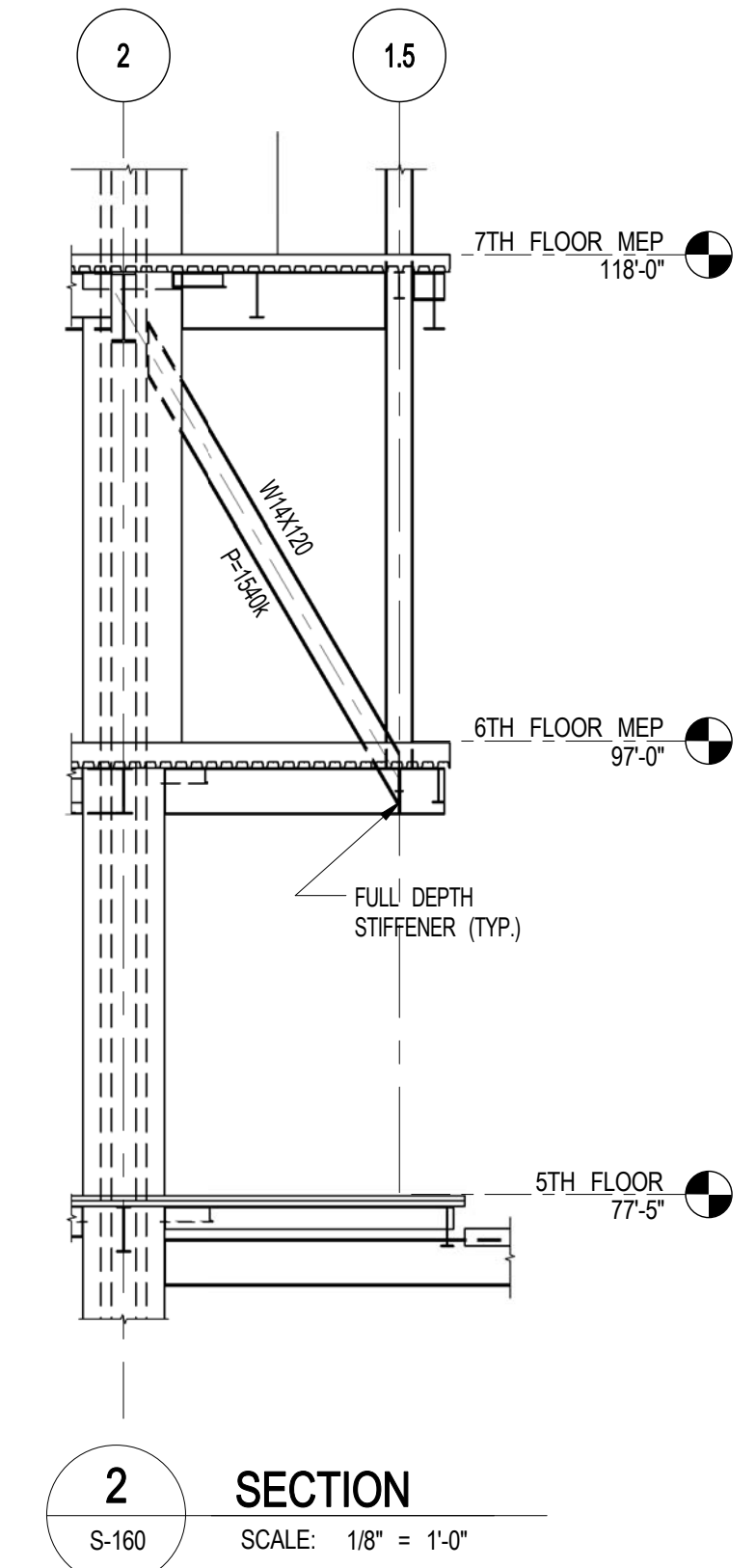
PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:
5TH FLOOR - PART GENERAL ARRANGEMENT AND REINFORCING PLAN

DATE: XX-XX-XX	PROJECT No: 2012185
DRAWN: CADG	REV: 3
CHK: YE	SCALE: As indicated
DWG No:	S-151.00
DOB PAGE No: 30 OF 118	DOB S-SCAN:

SEAL & SIGNATURE:

Damian Titus
 Buildings
 APPROVED
 Under Directive 2 of 1975
 Date: 07/02/2015
 NYC Development Hub

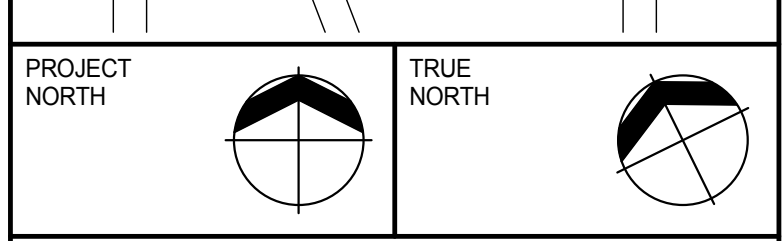
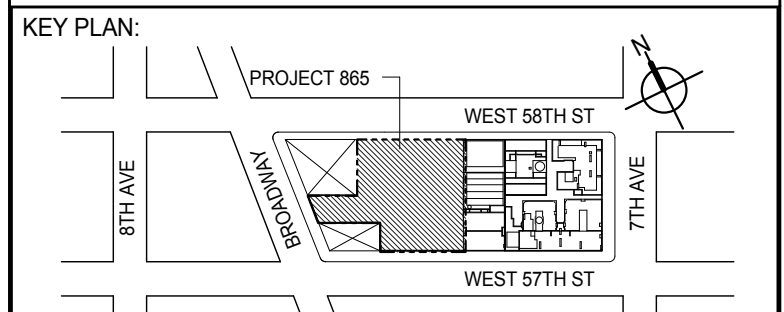


6TH FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

- NOTES:**
- TOP OF STRUCTURAL SLAB SHALL BE 9'-0" U.O.N.
 - SLAB CONSTRUCTION SHALL BE 10" NORMAL WEIGHT CONCRETE ON TOP OF 3" DEEP 16GA (Fy=50 KSI) COMPOSITE GALVANIZED METAL DECK (TOTAL SLAB DEPTH: 13"), REINFORCED WITH #6@12 TBS E.W. (CONCRETE Fc=4000 PSI AT 28 DAYS) U.O.N.
 - TOP OF STEEL TO BE 12" BELOW TOP OF SLAB ELEVATION SPECIFIED IN NOTE 1 U.O.N. THIS (±) INDICATING DISTANCE ABOVE OR BELOW TOP OF SLAB ELEVATION.
 - STUDS SHALL BE 1/2" X 5' LONG. ALL STEEL BEAMS SHALL HAVE MIN. 1 STUDT U.O.N. THIS (±) ON PLAN.
 - FOR BEAM REINFORCEMENT NOT SHOWN USE A MINIMUM OF 30 #5'S FOR BEAMS LESS THAN 15 FEET LONG.
 - WHERE NOTED, WALLS STARTING AT THIS LEVEL SHALL BE POURED IN 10 LIFTS.
 - FOR BALANCE OF NOTES SEE DRAWING S-101.
 - WHERE NOTED BEAM TO BE #6@12 WITH 12X12 STUDS PER FOOT ALONG LINES D AND E AND 12X12 STUDS PER FOOT ALONG LINE F.
 - ALL BEAM CONNECTIONS SHALL DEVELOP AXIAL FORCE OF P-150A AND GIRDERS (SUPPORTING OTHER MEMBERS) P-400A AT EACH END U.O.N. IN ADDITION TO ALL OTHER LOADS.
 - WHERE NOTED ON PLAN SLAB REINFORCEMENT SHALL BE #6@12 TBS E.W.
 - ALL BEAM CONNECTIONS SHALL DEVELOP AXIAL FORCE OF P-200A AND GIRDERS (SUPPORTING OTHER MEMBERS) P-800A AT EACH END U.O.N. IN ADDITION TO ALL OTHER LOADS.
 - WHERE NOTED ON PLAN SLAB REINFORCEMENT SHALL BE #7@6 TBS E.W.
 - WHERE NOTED PROVIDE 8 STUDT. ALL AROUND.
 - INDICATES 9" FORMED CONCRETE SLAB Fc=6,000PSI REINFORCED WITH#6@12 TBS E.W.
 - FOR BALANCE OF NOTES SEE DRAWING S-101.
 - BEAMS WITHIN OR CROSSING TOWER CRANE OPENING SHALL BE INSTALLED AFTER CRANE IS REMOVED.

6TH FLOOR BEAM SCHEDULE

BEAM MARK	SIZE (WxD) (IN.)	REINFORCEMENT		TOP ADD'L BARS AT SUPPORT	STIRRUPS		REMARKS
		BOTTOM CONTINUOUS	TOP CONTINUOUS		TYPE	SIZE & SPACING	
8B1	14x60	4#11	2#9		#4 @ 12"	#4@16 E.F. HORIZ.	



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EXTELL DEVELOPMENT COMPANY
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TEL: 212 712 6000 FAX: 212 712 6100

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ADRIAN SMITH + GORDON GILL ARCHITECTURE
111 WEST MONROE STREET SUITE 2300
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INTERIOR DESIGNER: Residential
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288 Fifth Ave, 7th Floor
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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	STEEL BID PACKAGE	05-22-2014
4	SUPERSTRUCTURE CONCRETE BID	06-02-2014
5	DESIGN DEVELOPMENT	07-01-2014
6	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
7	STRUCTURAL STEEL BID	09-15-2014
8	STRUCTURAL STEEL BID-ADDENDUM	10-01-2014
9	CD PROGRESS ISSUE 1	10-15-2014
10	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
11	DOB SUBMISSION	12-19-2014
12	CD PROGRESS ISSUE-2	12-19-2014
13	ISSUED FOR 8TH FLOOR MILL ORDER-PHASE 1	01-14-2015
14	CD UPDATE ISSUE	02-10-2015
15	CONSTRUCTION DOCUMENTS ISSUE 3	03-09-2015
16	PROGRESS CD	05-08-2015
17	DOB SUBMISSION	05-19-2015

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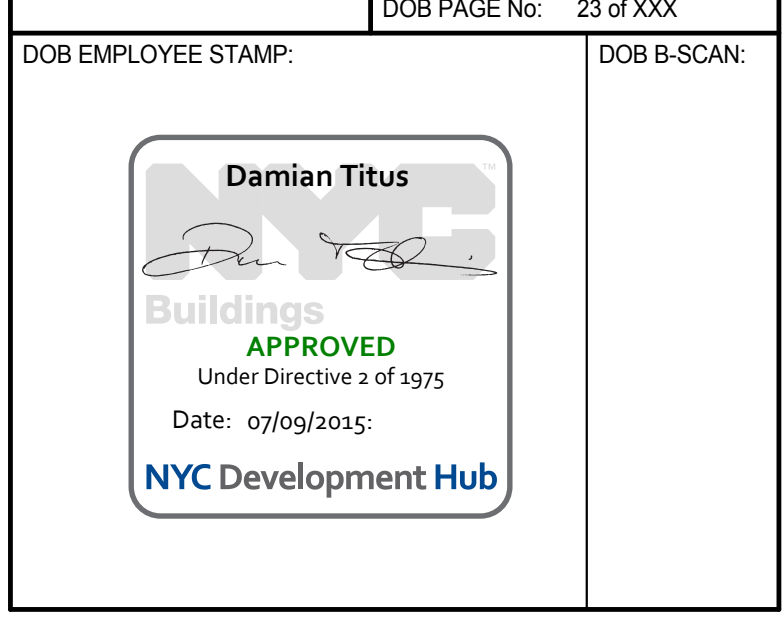
ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

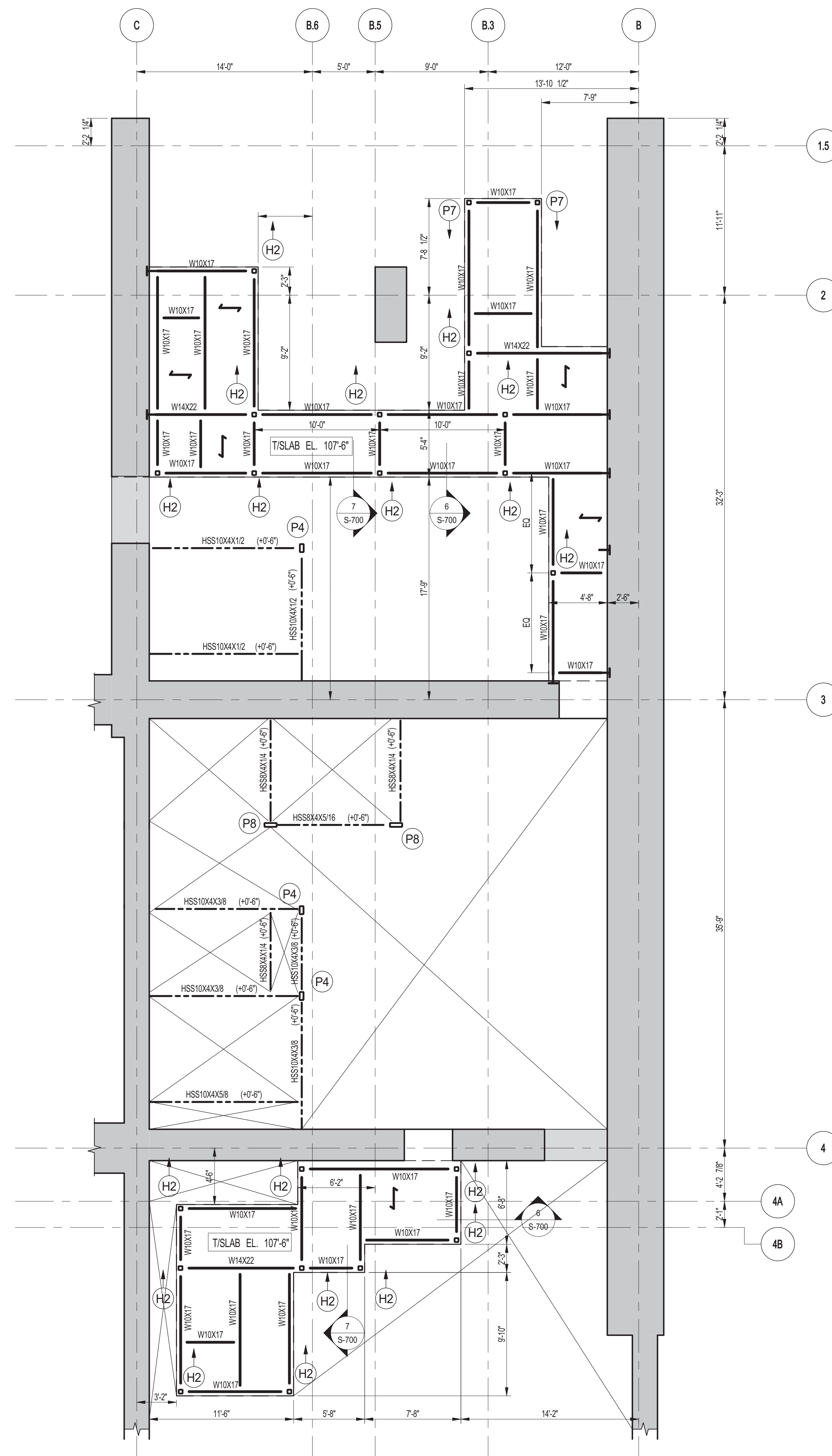
CONSULTANT:
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www.wspgroup.com/us

PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:
6TH FLOOR - FRAMING PLAN

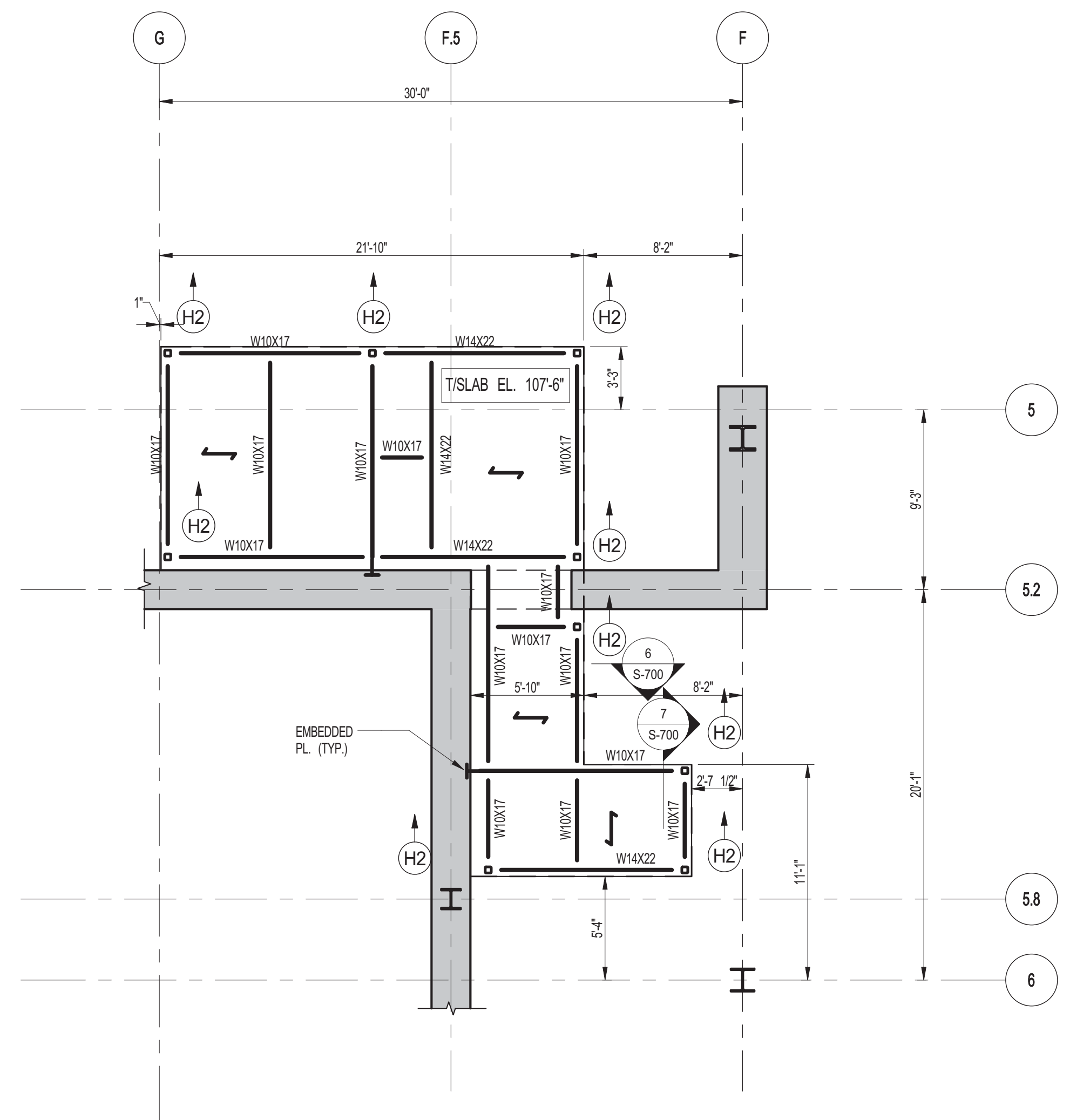
SEAL & SIGNATURE:
DATE: 03-31-2014
PROJECT No: 2012185
DRAWN: CADDO
CHK: YE
SCALE: 1/8" = 1'-0"
DWG No: **S-160.00**
DOB EMPLOYEE STAMP: DOB PAGE No: 23 of XXX DOB S-SCAN:





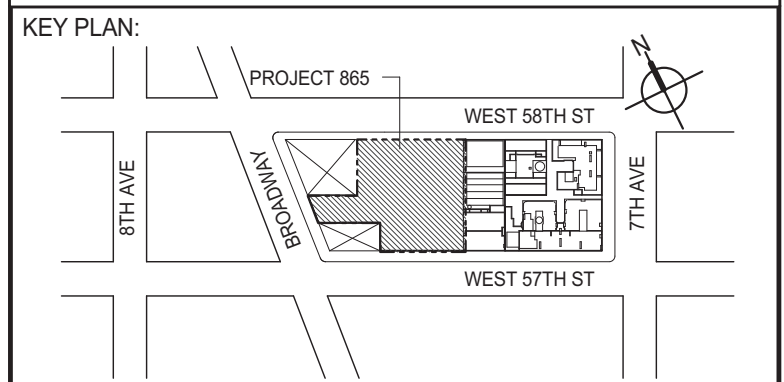
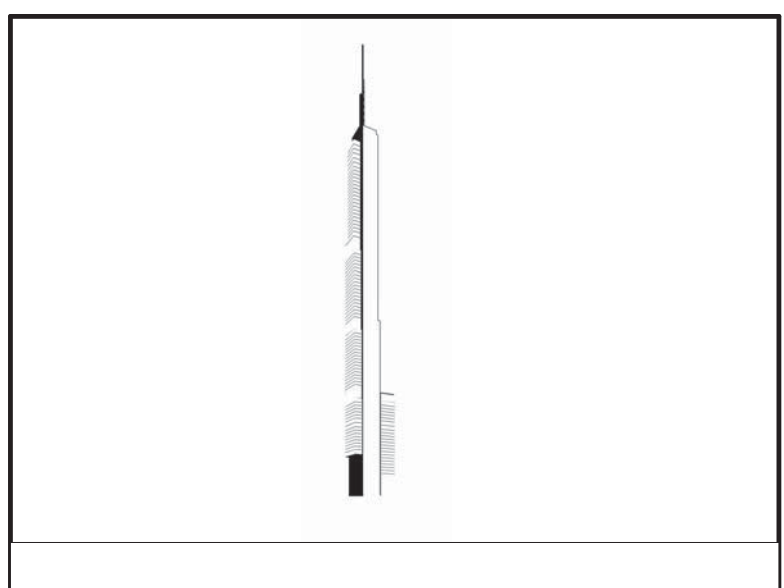
1 6TH FLOOR STAIR A & B TRANSFER PART PLAN
S-161 SCALE: 3/16" = 1'-0"

- NOTES:
- TOP OF STRUCTURAL SLAB SHALL BE AS INDICATED ON PLAN.
 - SLAB CONSTRUCTION SHALL BE 2" MINIMUM WEIGHT CONCRETE ON TOP OF 3" DEEP 150A (Fy=43 KSI) COMPOSITE GALVANIZED METAL DECK (TOTAL SLAB DEPTH= 5'-7"), REINFORCED WITH #4-@23" W/WF (CONCRETE f'-4000psi AT 28 DAYS LEON.
 - TOP OF STEEL TO BE 5/16" BELOW TOP OF SLAB ELEVATION SPECIFIED IN NOTE 1 LEON. THIS (A.-.) INDICATING DISTANCE ABOVE OR BELOW TOP OF SLAB ELEVATION.
 - STUDS SHALL BE W10 x 5' LONG ALL STEEL BEAMS SHALL HAVE MIN. 1 STUBT LEON. THIS (A.-.) ON PLAN.
 - FOR W10 BEAM REACTIONS NOT SHOWN USE A MINIMUM OF 30 KIPS FOR BEAMS LESS THAN 15 FEET LONG.
 - FOR BALANCE OF NOTES SEE DRAWING S-001.



2 6TH FLOOR STAIR D TRANSFER PART PLAN
S-161 SCALE: 3/16" = 1'-0"

NOTE FOR NOTES SEE 1S-161.



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No.	DESCRIPTION	DATE
1	STRUCTURAL STEEL BID	09-15-2014
2	STRUCTURAL STEEL BID-ADDENDUM	10-01-2014
3	CD PROGRESS ISSUE 1	10-15-2014
4	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
5	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

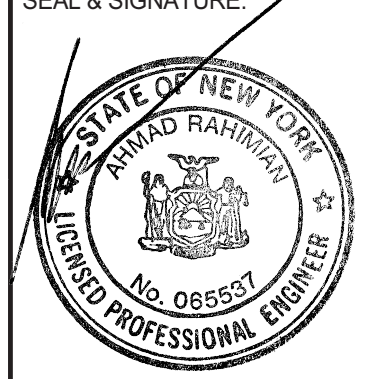
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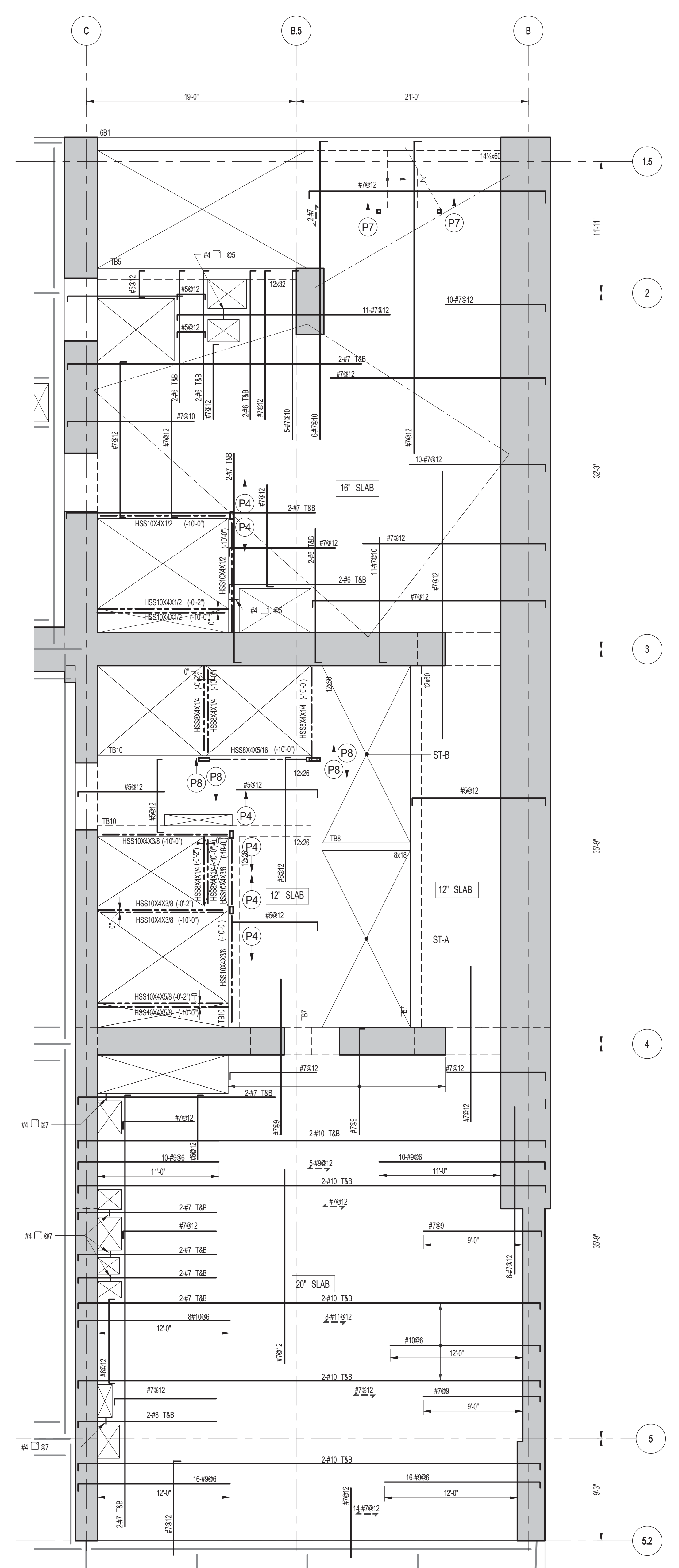
PROJECT:
**217 WEST 57TH STREET
NEW YORK, NY**

DRAWING TITLE:
6TH FLOOR - FRAMING PART PLANS

SEAL & SIGNATURE 	DATE:	09-15-2014
	PROJECT No:	2012185
CHK: YE	DRAWN: CADD	REV: 5
	SCALE: 3/16" = 1'-0"	
DWG No:	S-161.00	

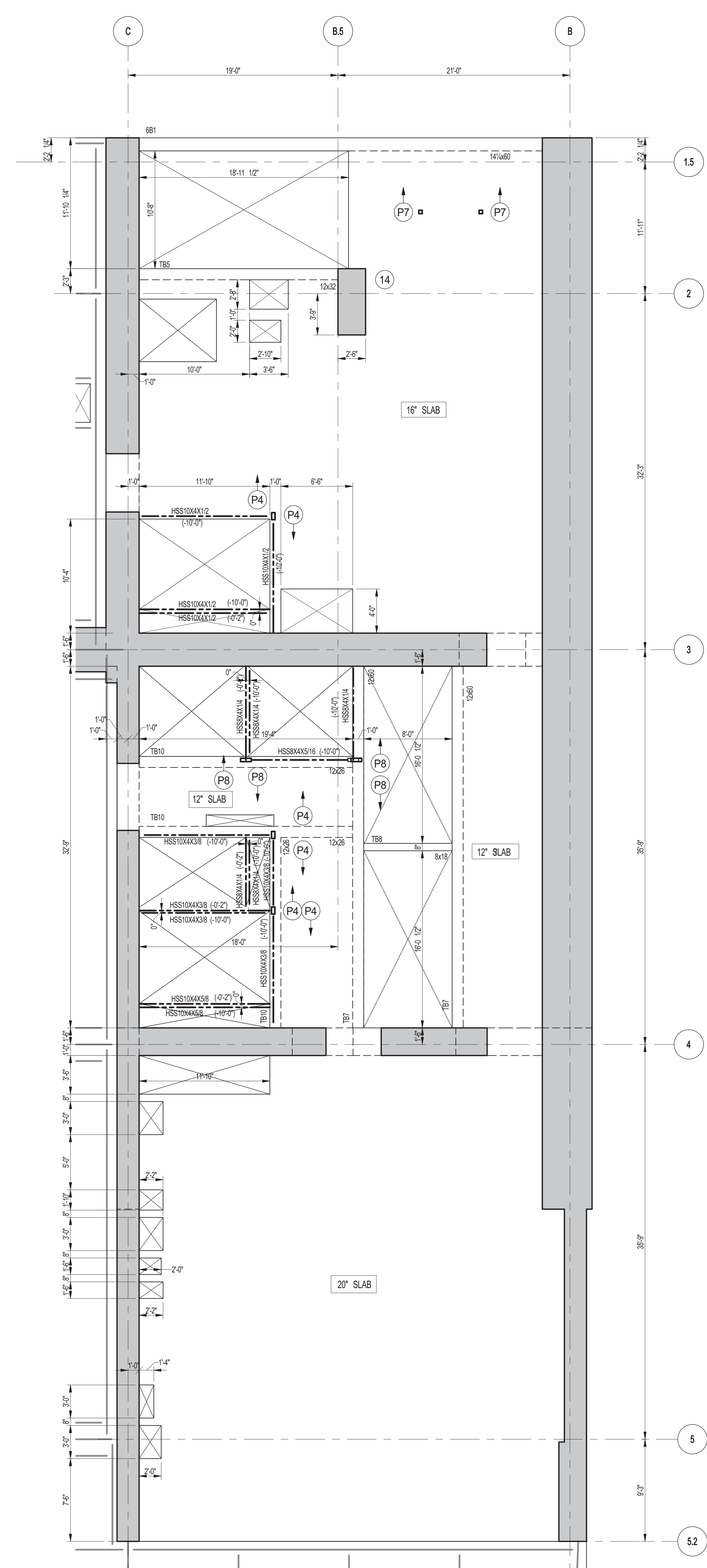
DOB EMPLOYEE STAMP: DOB PAGE No: 32 OF 118 DOB SCAN:

Damian Titus
APPROVED
Under Directive 2 of 1975
Date: 07/09/2015
NYC Development Hub



1 6TH FLOOR FRAMING PLAN
S-162 SCALE: 3/16" = 1'-0"

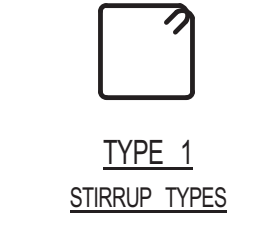
- NOTES:**
- FOR TBSLUB ELEVATION SEE S-161.
 - CONCRETE SLAB SHALL BE 2" THICK (LION THIS ... ON PLAN.
 - CONCRETE STRENGTH f_c OF SLAB SHALL BE 10,000 PSI.
 - BOTTOM REINFORCEMENT TO BE #8 @ 12" E-W CONT. FOR 12' & 20' SLAB. #8 @ 12" E-W CONT. FOR 12' SLAB.
 - FOR BALANCE OF INFORMATION SEE DRAWING S-001.



2 6TH FLOOR GENERAL ARRANGEMENT PLAN
S-162 SCALE: 3/16" = 1'-0"

- NOTES:**
- FOR SLAB INFORMATION SEE CORRESPONDING FRAMING PLAN.

BEAM MARK	BM SIZE		REINFORCEMENT		STIRRUPS		REMARKS
	WIDTH	DEPTH	BOTTOM	TOP	TYPE	SIZE	
6B1	14"	60"	CONTINUOUS	4-#11	AT SUPPORT	#12	4488 E.F. HORIZ.



KEY PLAN

PROJECT NORTH TRUE NORTH

DEVELOPER: EXTRELL DEVELOPMENT COMPANY
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INTERIOR DESIGNER: Residential
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ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
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CODE CONSULTANTS: Construction Consulting Associates
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CURTAINWALL CONSULTANT: J.L.P. Consulting
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TEL: 212 757 8559 FAX: 646 219 8508

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

No.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
2	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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

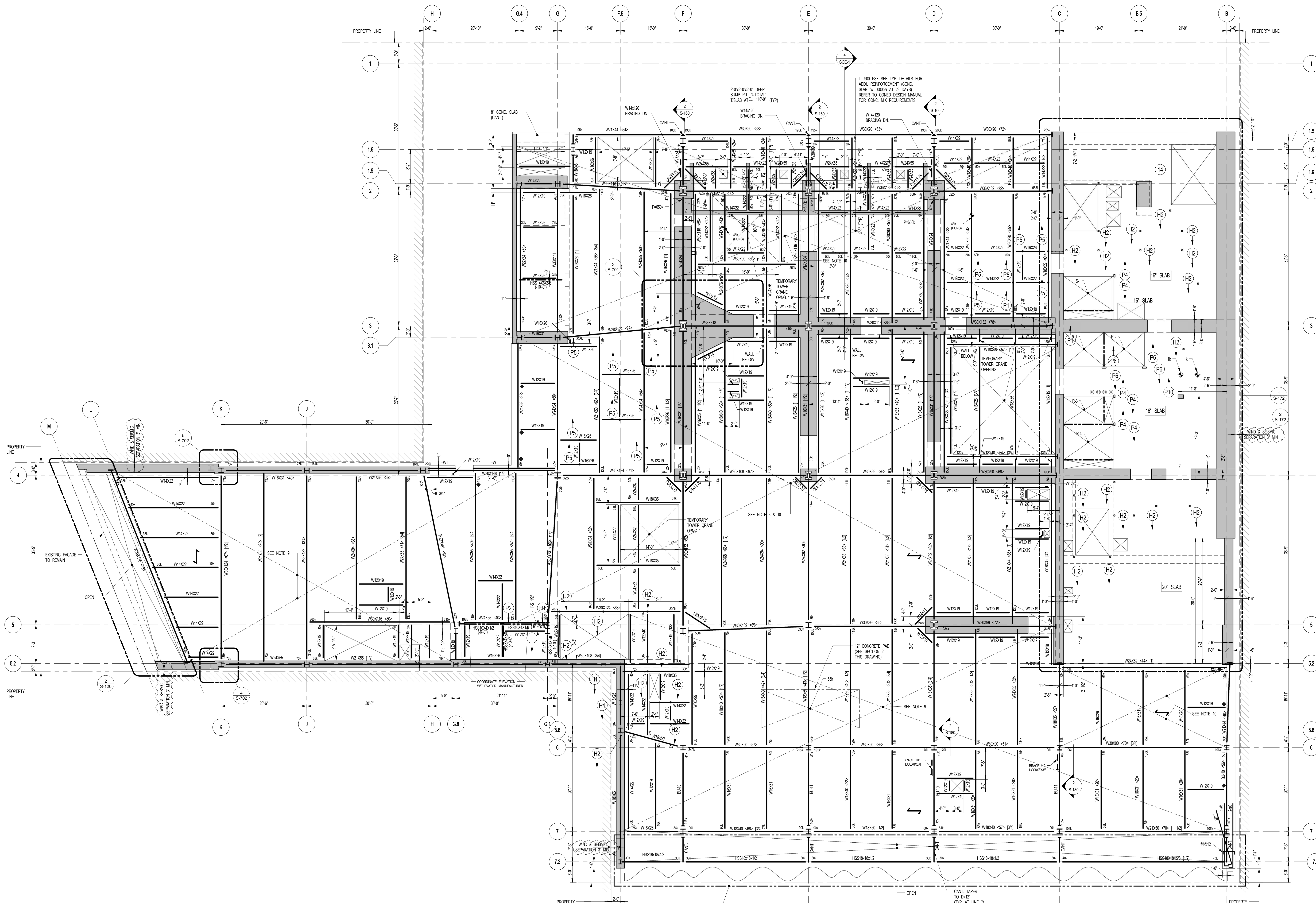
PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE: 6TH FLOOR - PART GENERAL ARRANGEMENT AND REINFORCING PLAN

DATE	PROJECT No.	XX-XX-XX
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DRAWN: CADDO	REV:	
CHK: YE	SCALE: As indicated	2
DWG No:		
S-162.00		

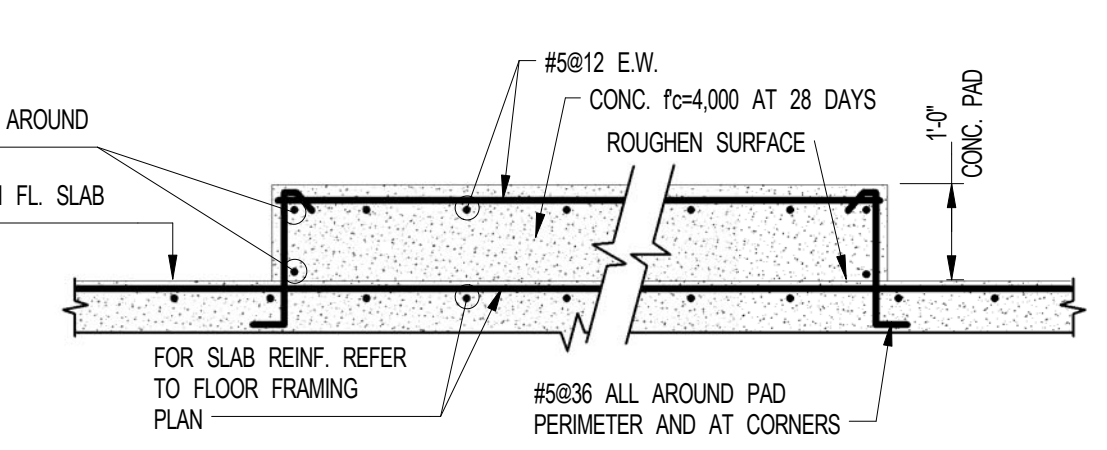
DOB EMPLOYEE STAMP: **Damian Titus**
DOB PAGE No: 33 OF 118
DOB S-SCAN:

APPROVED
Under Directive 2 of 1995
Date: 07/09/2015
NYC Development Hub

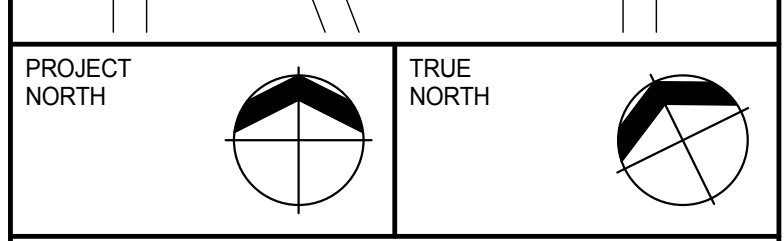
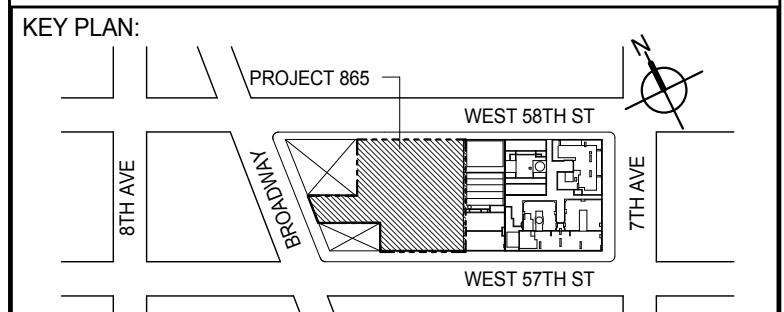


7TH FLOOR BEAM SCHEDULE							
BEAM MARK	SIZE (WxD) (IN.)	REINFORCEMENT		STIRRUPS			REMARKS
		BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SIZE	
781	12x32	3#9	2#7		1	#4	@10
782	12x32	3#10	2#7		1	#4	@12
783	24x60	10#11 (2 LAYERS)	5#9		1	#4	@12 4#9 @10 E.F. HORIZ.
784	36x45	6#11	5#8		2	#4	@12 4#9 @10 E.F. HORIZ.

- 7TH FLOOR FRAMING PLAN**
SCALE: 1/8" = 1'-0"
- NOTES:**
- TOP OF STRUCTURAL SLAB SHALL BE 118'0" U.O.N.
 - SLAB CONSTRUCTION SHALL BE 10" NORMAL WEIGHT CONCRETE ON TOP OF 3" DEEP 18# REINFORCED CONCRETE BALANCED METAL DECK (TOTAL SLAB DEPTH 13") REINFORCED WITH #5@12 TAB E.W. (CONCRETE FORMERS AT 28 DAYS U.O.N.)
 - TOP OF STEEL TO BE 9" BELOW TOP OF SLAB ELEVATION (SPECIFIED IN NOTE 1 U.O.N. THIS IS 1") INDICATING DISTANCE ABOVE OR BELOW TOP OF SLAB ELEVATION.
 - STIRRS SHALL BE 1/2" x 9" LONG. ALL STEEL BEAMS SHALL HAVE MIN. 1 STUDT U.O.N. THIS IS 1" ON PLAN.
 - FOR BEAM REACTIONS NOT SHOWN USE A MINIMUM OF 30 KIPS FOR BEAMS LESS THAN 15 FEET LONG.
 - FOR 8#10 & 8#11 DETAILS REFER TO DETAIL S5-171.
 - FOR BALANCE OF NOTES SEE DRAWING S-011.
 - WHERE NOTED ON PLAN SLAB REINFORCEMENT SHALL BE #5@8 TAB E.W. ORDERS SUPPORTING OTHER MEMBERS) P#10X AT EACH END U.O.N. IN ADDITION TO ALL OTHER LOADS.
 - ALL BEAM CONNECTIONS SHALL DEVELOP AXIAL FORCE OF P#10X AND ORDERS SUPPORTING OTHER MEMBERS) P#10X AT EACH END U.O.N. IN ADDITION TO ALL OTHER LOADS.
 - ALL BEAM CONNECTIONS SHALL DEVELOP AXIAL FORCE OF P#7X AND ORDERS SUPPORTING OTHER MEMBERS) P#7X AT EACH END U.O.N. IN ADDITION TO ALL OTHER LOADS.
 - BEAMS WITHIN OR CROSSING TOWER CRANE OPENING SHALL BE INSTALLED AFTER CRANE IS REMOVED.



SECTION AT CONCRETE PAD
SCALE: 1/2" = 1'-0"
NOTE: FOR CONCRETE PAD LAYOUT REFER TO FLOOR FRAMING PLAN AND COORDINATE WITH MECH. DRAWINGS



DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	STEEL BID PACKAGE	05-22-2014
4	SUPERSTRUCTURE CONCRETE BID	06-02-2014
5	DESIGN DEVELOPMENT	07-01-2014
6	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
7	STRUCTURAL STEEL BID	09-15-2014
8	STRUCTURAL STEEL BID-ADDENDUM	10-01-2014
9	CD PROGRESS ISSUE 1	10-15-2014
10	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
11	DOB SUBMISSION	12-19-2014
12	CD PROGRESS ISSUE-2	12-19-2014
13	ISSUED FOR 8TH FLOOR ONLY ORDER-PHASE 1	01-14-2015
14	CONSTRUCTION DOCUMENTS ISSUE 3	03-09-2015
15	PROGRESS CD	05-08-2015
16	DOB SUBMISSION	05-19-2015

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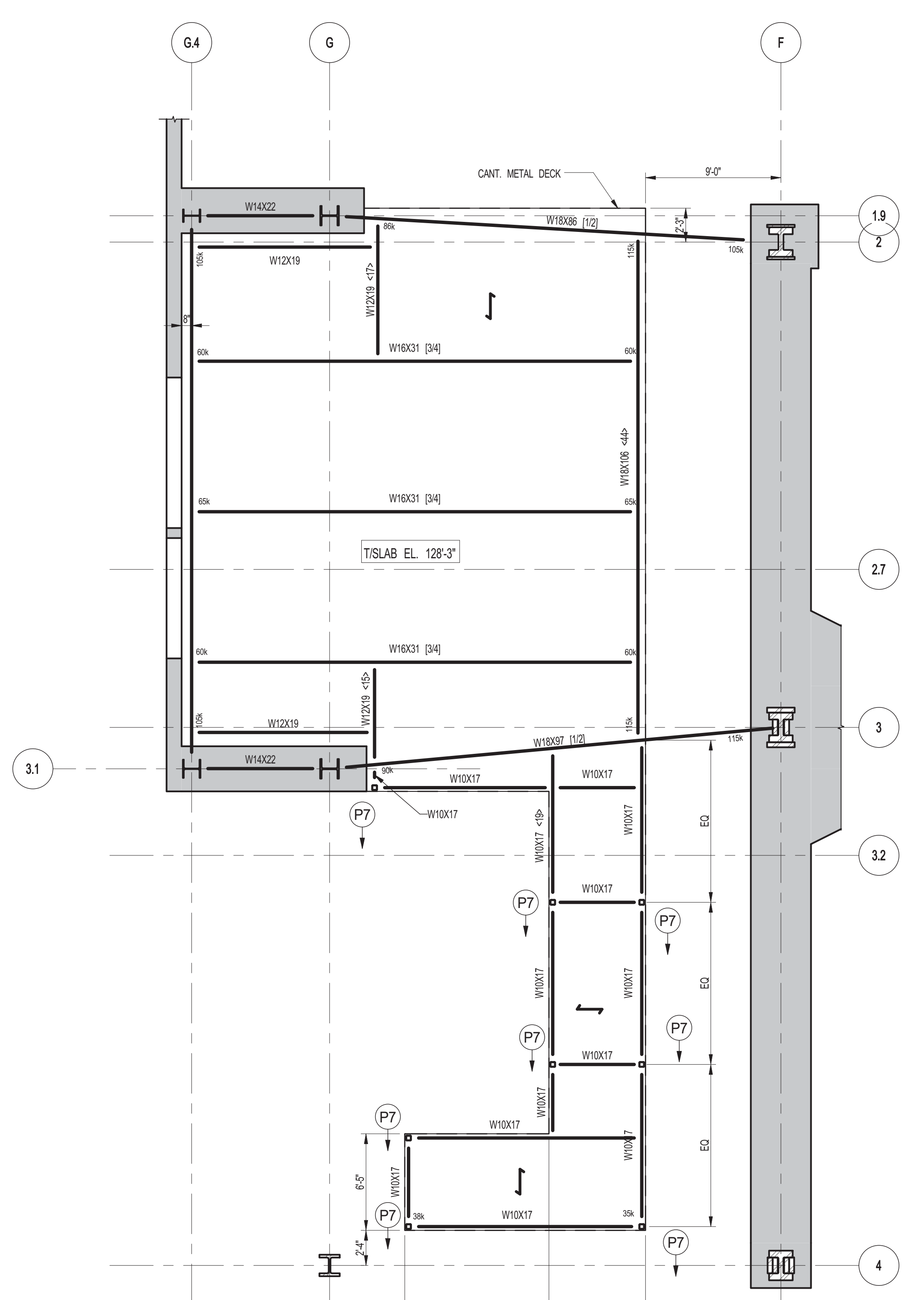
CONSULTANT: **WSP**
228 East 45th Street
New York, NY 10017
(212) 687-9888
www.wspgroup.com/us

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

DRAWING TITLE: **7TH FLOOR - FRAMING PLAN**

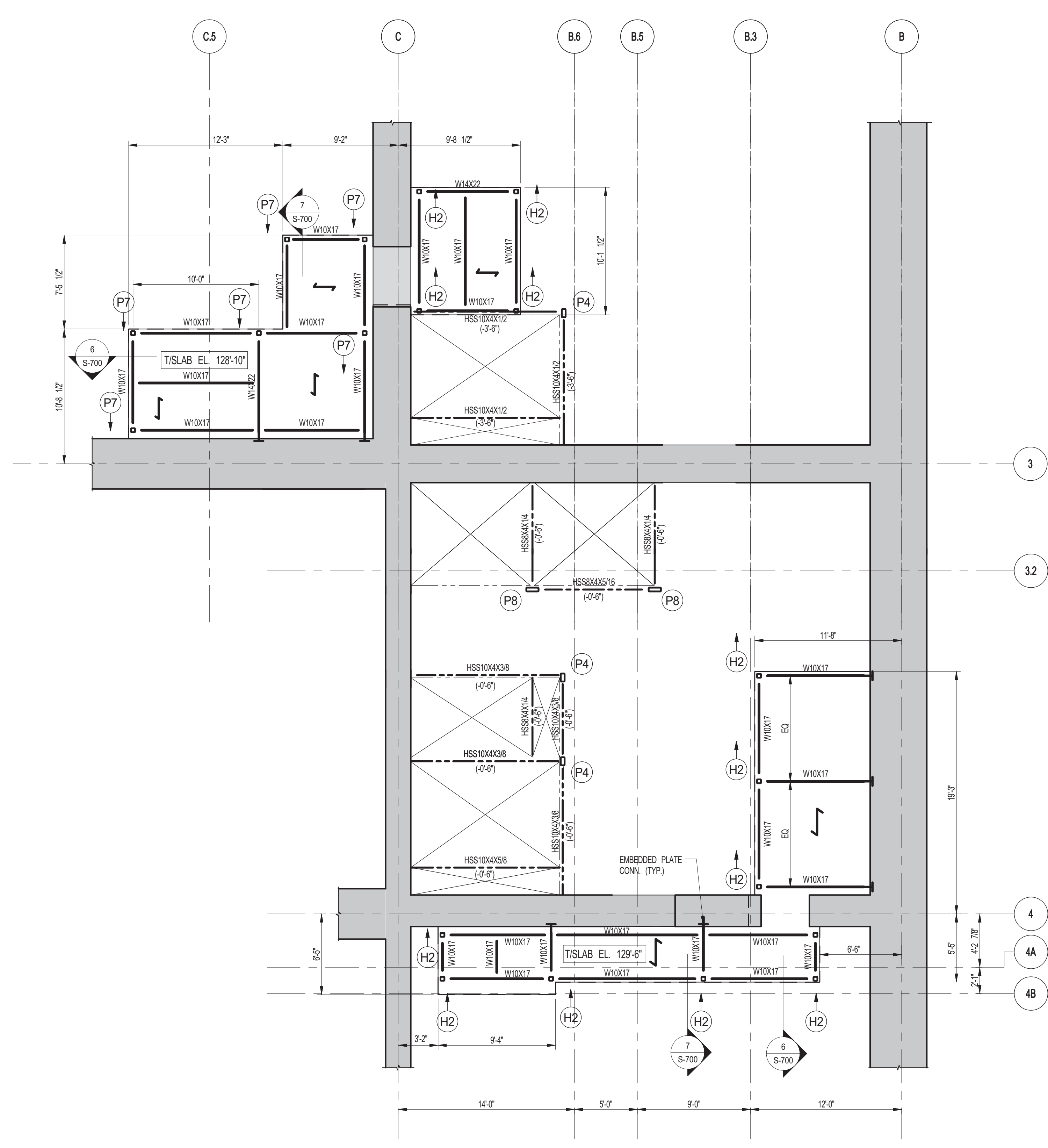
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PROJECT No.: 2012185
DRAWN: CADDO REV: 16
CHK: YE
SCALE: As indicated
DWG No.:
DOB EMPLOYEE STAMP: [Stamp] DOB PAGE No.: 24 of XXX DOB S-CAN:

Damian Titus
Building APPROVED
Under Directive 2 of 1995
Date: 07/09/2015
NYC Development Hub



1 7TH FLOOR PART FRAMING PLAN
SCALE: 3/16" = 1'-0"

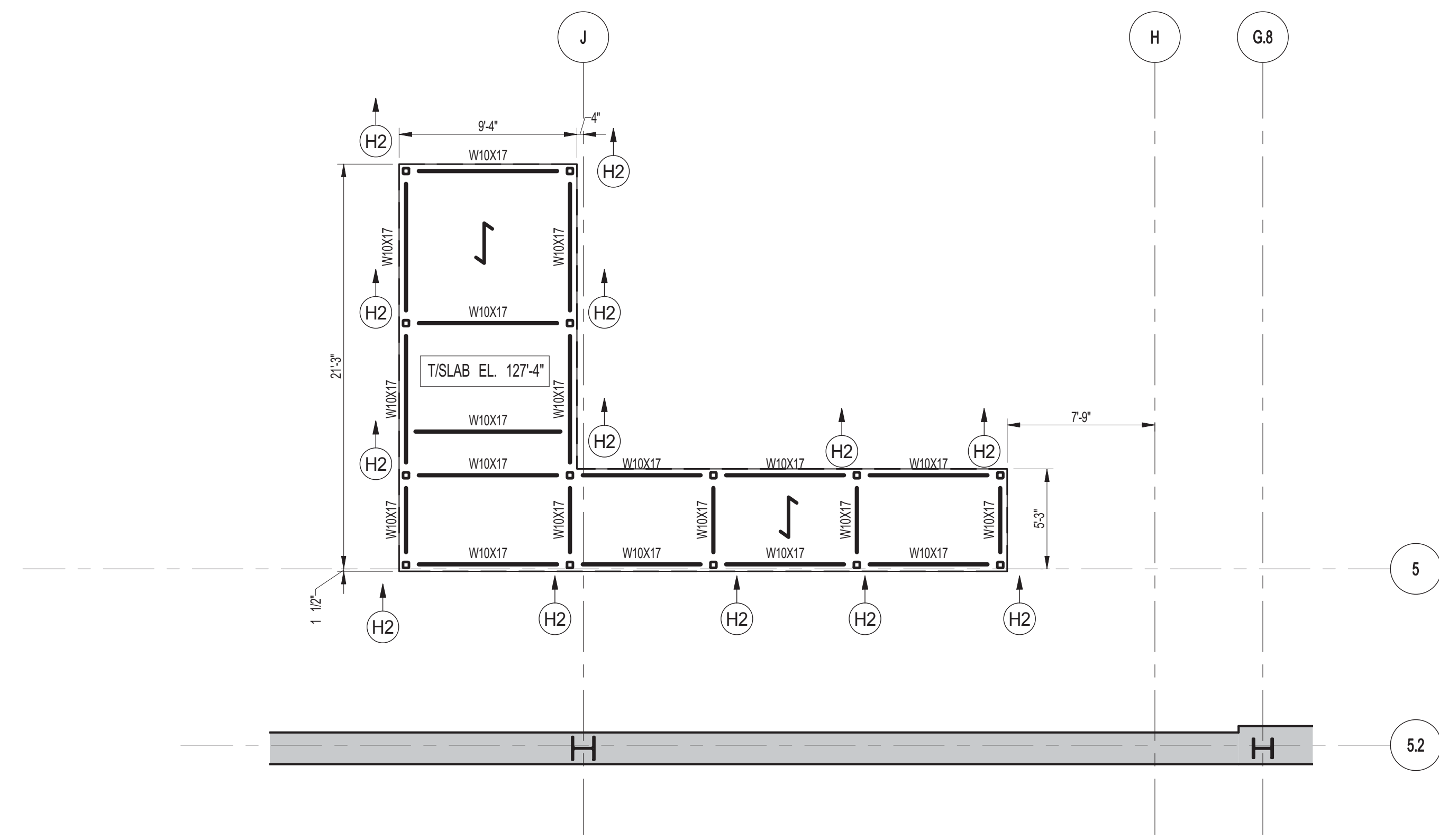
- NOTES:
1. TOP OF STRUCTURAL SLAB SHALL BE AS INDICATED ON PLAN.
2. SLAB CONSTRUCTION SHALL BE 22' NORMAL WEIGHT CONCRETE ON TOP OF 3" DEEP 19GA (F40 XSI) COMPOSITE GALVANIZED METAL DECK (TOTAL SLAB DEPTH=31"). REINFORCED WITH #4@18" ON TOP AND #4@18" ON BOTTOM AT 28 DAYS U.O.N.
3. TOP OF STEEL TO BE 3/4" BELOW TOP OF SLAB ELEVATION SPECIFIED IN NOTE 1 UNLESS INDICATED OTHERWISE ABOVE OR BELOW TOP OF SLAB ELEVATION.
4. STUDS SHALL BE 100 x 5" LONG. ALL STEEL BEAMS SHALL HAVE MIN 1 STUDT. U.O.N. THIS <-> ON PLAN.
5. FOR W10 BEAM REACTIONS NOT SHOWN USE A MINIMUM OF 30 KIPS FOR BEAMS LESS THAN 15 FEET LONG.
6. FOR BALANCE OF NOTES SEE DRAWING S-201.



2 7TH FLOOR MEZZANINE PART FRAMING PLAN
SCALE: 3/16" = 1'-0"

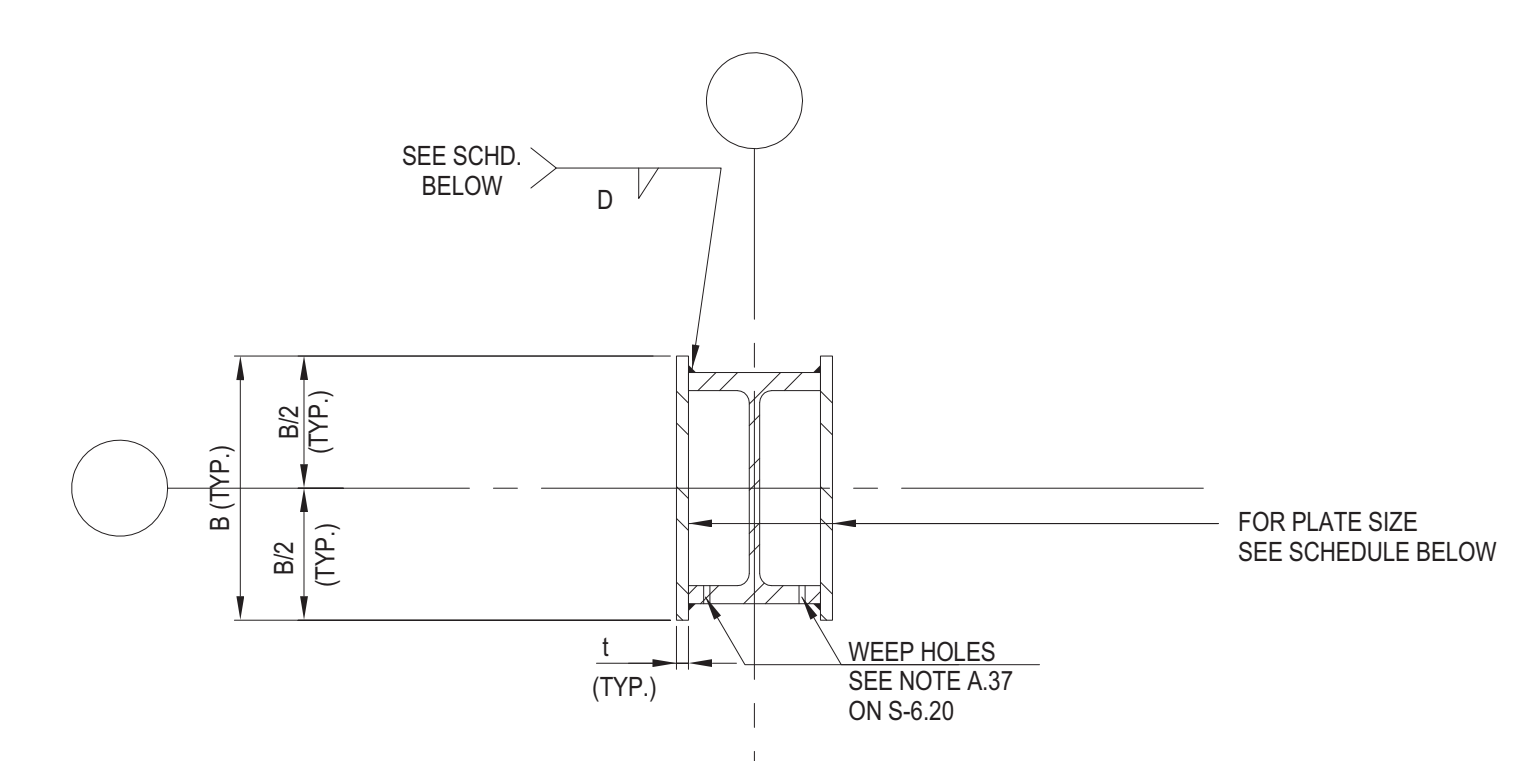
- NOTES:
1. FOR NOTES REFER TO 1S-171.

3 NOT USED
SCALE: 3/16" = 1'-0"



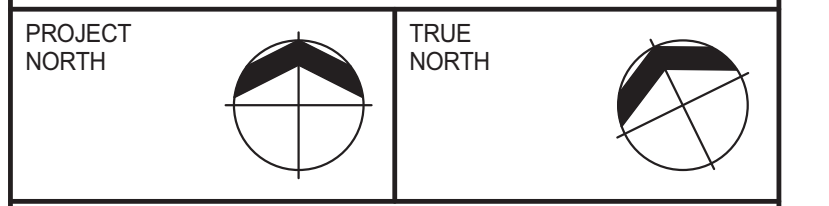
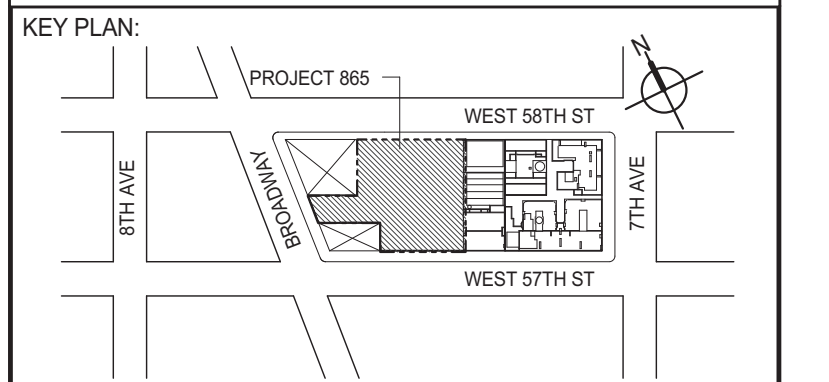
4 7TH FLOOR INTERMEDIATE PLATFORM FRAMING PLAN
SCALE: 3/16" = 1'-0"

- NOTES:
1. FOR NOTES REFER TO 1S-171.



5 BUILT-UP BEAM DETAIL
SCALE: 3/4" = 1'-0"

BEAM DESIGNATION AS SHOWN ON DRAWING'S	PLATE DIMENSION		FILLET WELD SIZE [IN.]	GRADE OF STEEL FOR MEMBER CROSS SECTION [ksi]	
	B [IN.]	I [IN.]			
BU-10	W18x86 + 2-PLATES 20x1	20	1	5/16	50
BU-11	W18x106 + 2-PLATES 20x1	20	1	5/16	50



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No.	DESCRIPTION	DATE
1	STRUCTURAL STEEL BID	09-15-2014
2	STRUCTURAL STEEL BID-ADDENDUM	10-01-2014
3	CD PROGRESS ISSUE 1	10-15-2014
4	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
5	DOB SUBMISSION	12-19-2014

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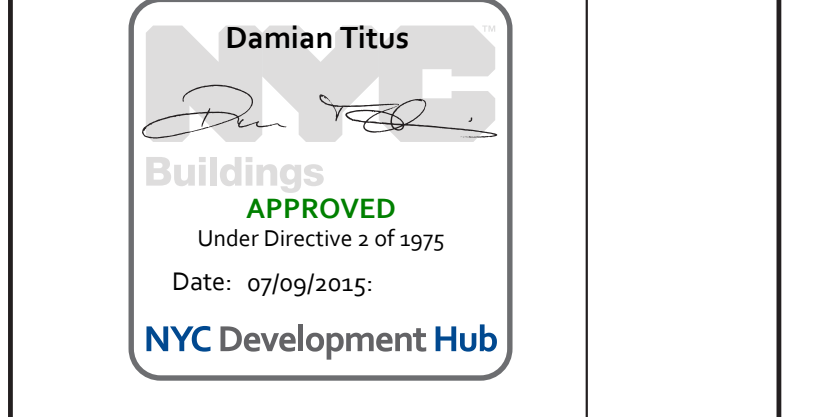
PROJECT: **217 WEST 57TH STREET
NEW YORK, NY**

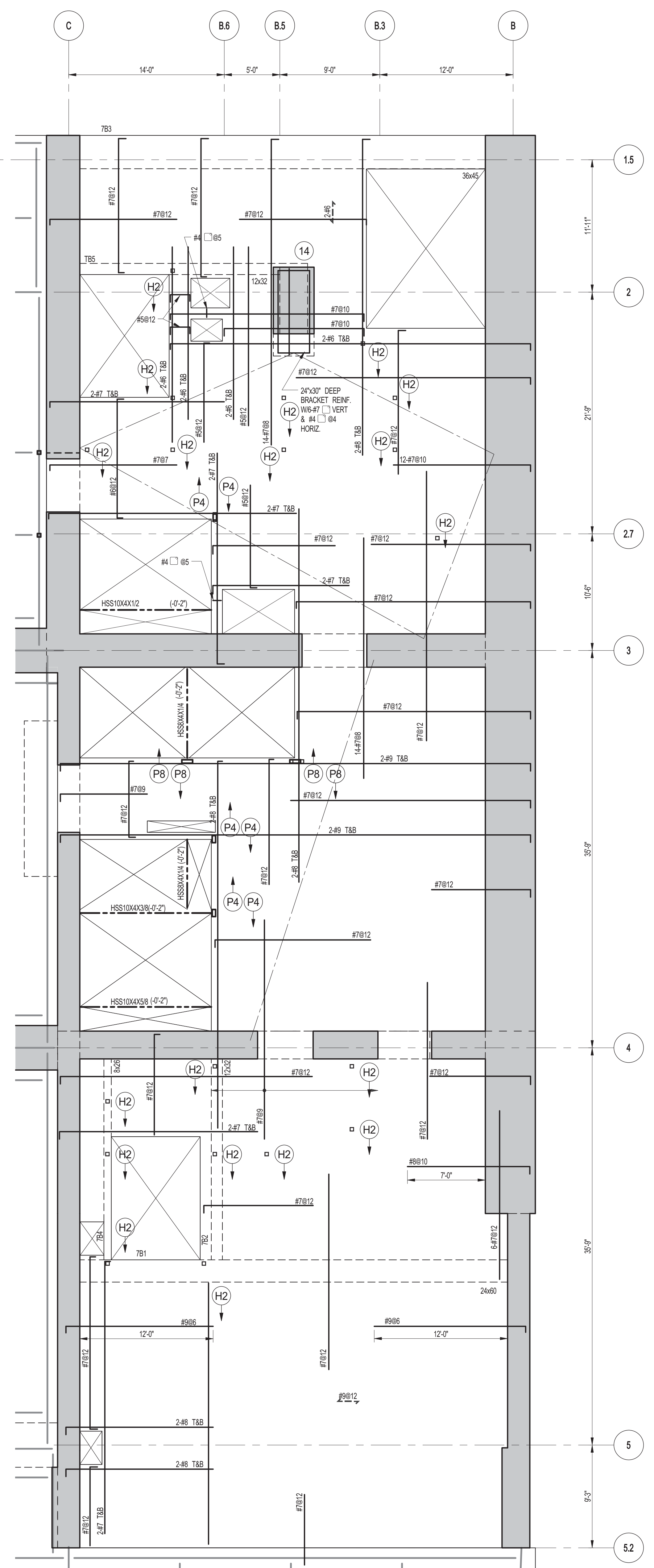
DRAWING TITLE: **7TH FLOOR - FRAMING PART PLANS**

DATE: 09-15-2014
PROJECT No: 2012185
DRAWN: CADDO REV: 5
CHK: YE
SCALE: As indicated

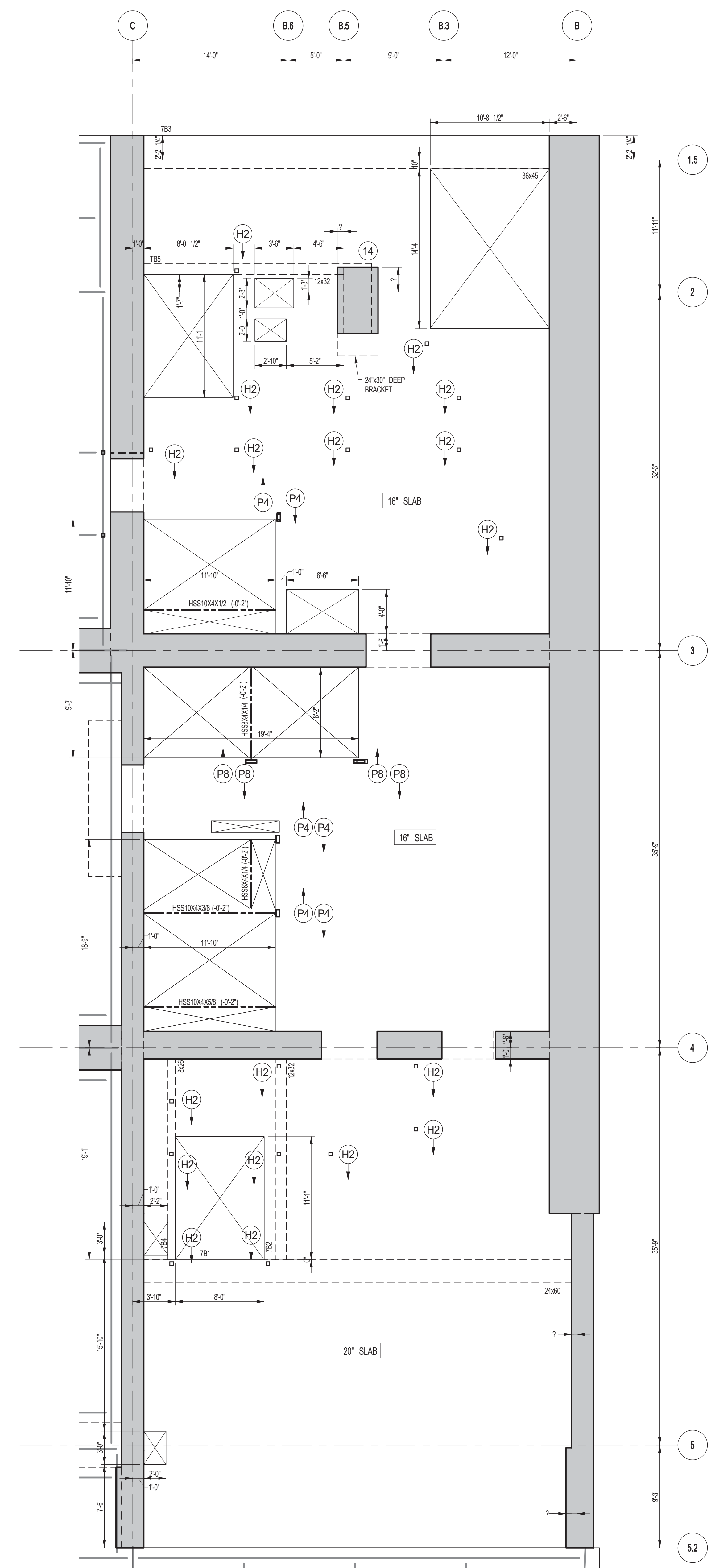
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DOB PAGE No: 35 OF 118
DOB EMPLOYEE STAMP: **Damian Titus**

DOB S-CAN:



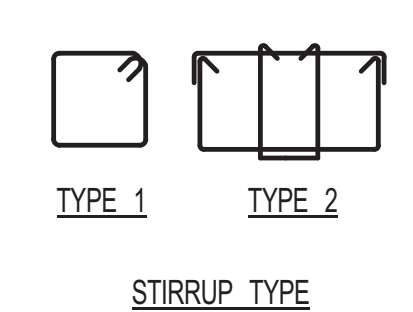


1 7TH FLOOR FRAMING PLAN
SCALE: 3/16" = 1'-0"



2 7TH FLOOR GENERAL ARRANGEMENT PLAN
SCALE: 3/16" = 1'-0"

BEAM MARK	BEAM SIZE		REINFORCEMENT		STIRRUPS		REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	ADDL BARS AT SUPPORT	TYPE	
781	24	32	10#11 (2 LAYERS)	5#9	#4 @12	1	#4 @12
782	12	32	5#10	2#7		1	#4 @12
783	36	45	6#11	5#8		2	#12 @10 E.F. HORIZ.
784	8	28	2#9	2#7		1	#4 @10



KEY PLAN

PROJECT NORTH TRUE NORTH

DEVELOPER: EXTELL DEVELOPMENT COMPANY
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No.	DESCRIPTION	DATE
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2	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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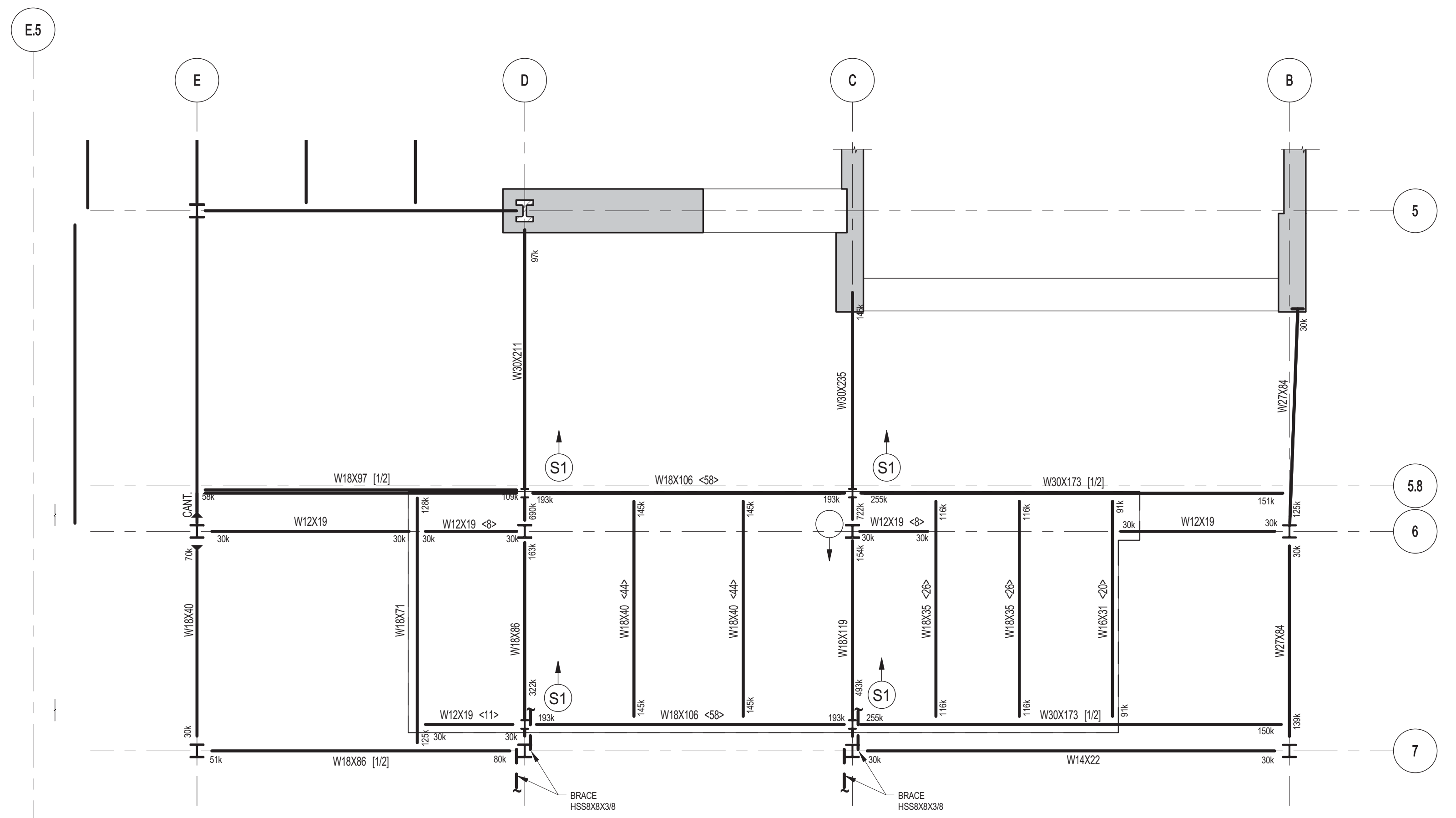
CONSULTANT: **WSP**
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New York, NY 10017
(212) 687-9868
www.wspgroup.com/us

PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE: 7TH FLOOR - PART GENERAL ARRANGEMENT AND REINFORCING PLAN

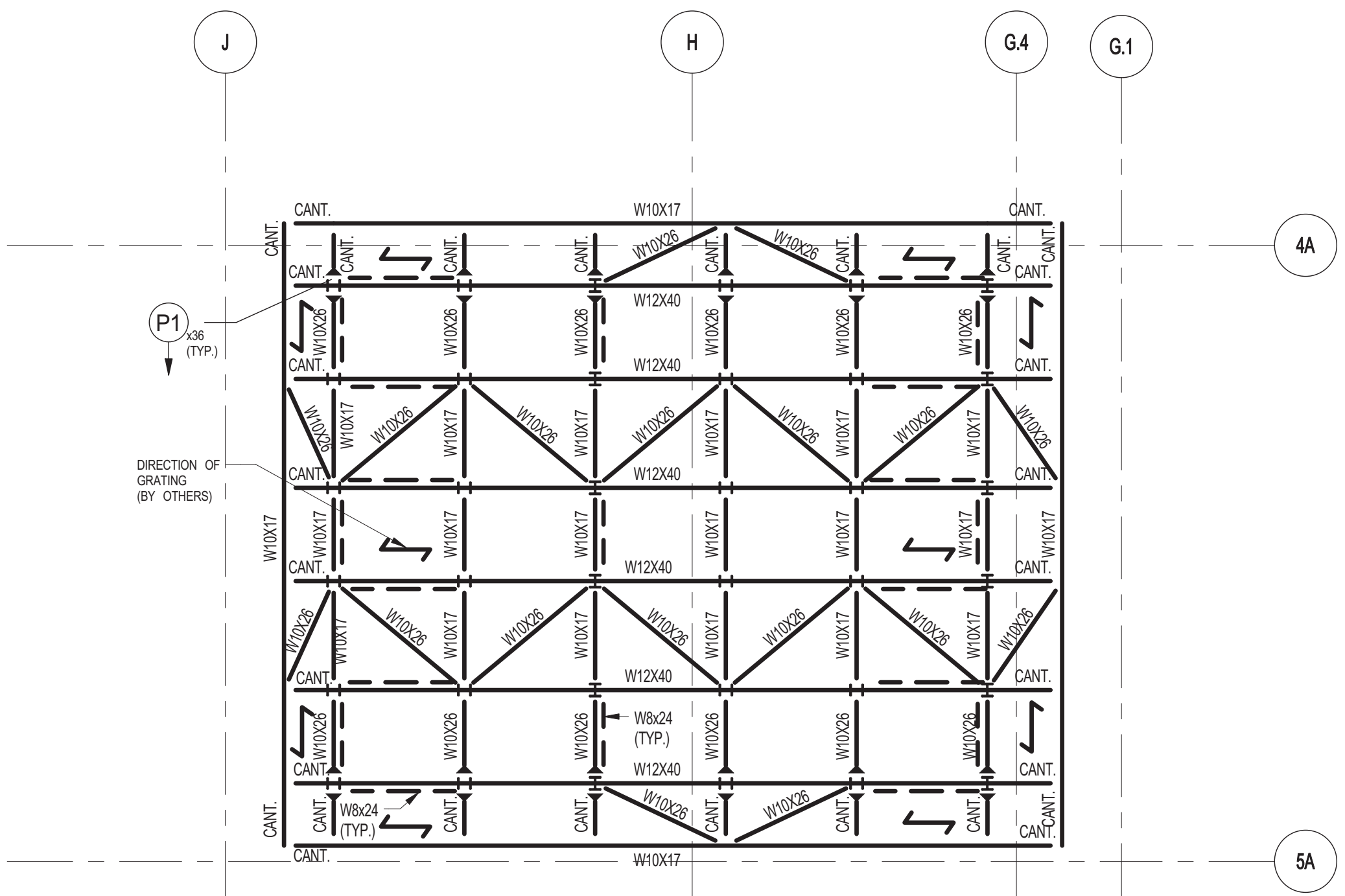
DATE:	XX-XX-XX
PROJECT No:	2012185
DRAWN: CAD	REV:
CHK: YE	2
SCALE: 3/16" = 1'-0"	
DWG No:	S-172.00
DOB PAGE No: 38 OF 118	
DOB EMPLOYEE STAMP:	DOB S-SCAN:

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1995
Date: 07/09/2015
NYC Development Hub



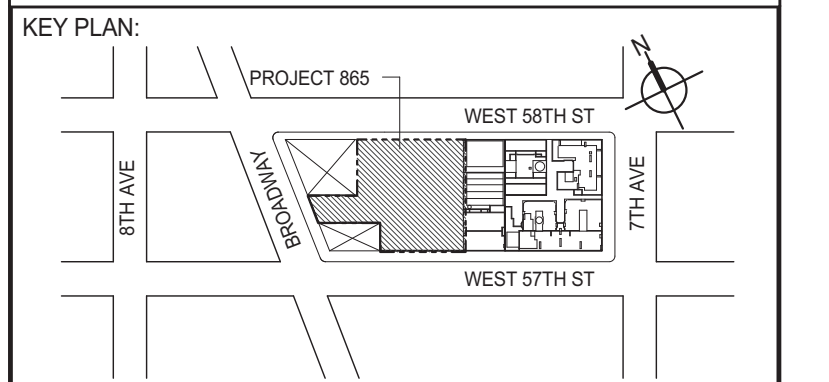
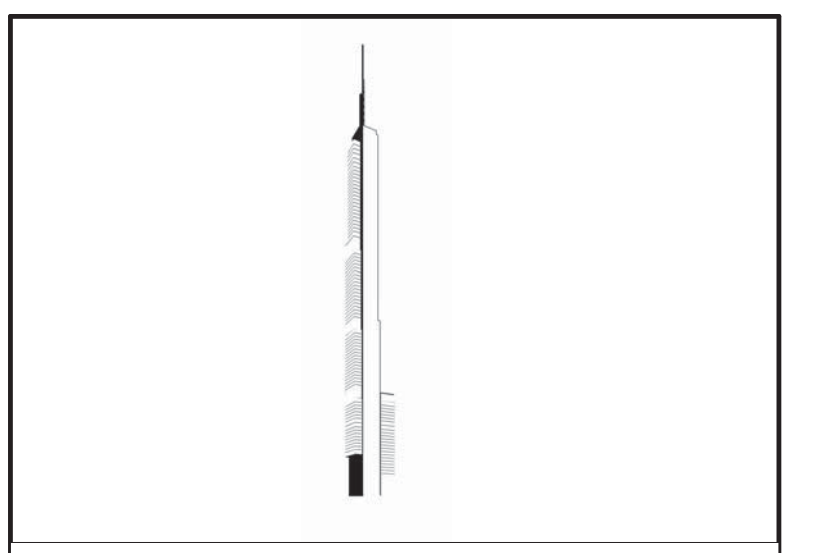
1 POOL PART FRAMING PLAN
SCALE: 1/8" = 1'-0"

- NOTES:**
- TOP OF STRUCTURAL SLAB SHALL BE 132'-2" U.O.N.
 - SLAB CONSTRUCTION SHALL BE 6" NORMAL WEIGHT CONCRETE ON TOP OF 3" DEEP 16GA (F940 X5) COMPOSITE GALVANIZED METAL DECK (TOTAL SLAB DEPTH 9"), REINFORCED WITH #4-W2/W2.5 WWF (CONCRETE FOR 4005W AT 20 DAYS U.O.N).
 - TOP OF STEEL TO BE 0" BELOW TOP OF SLAB ELEVATION SPECIFIED IN NOTE 1 U.O.N. THUS (S...) INDICATING DISTANCE ABOVE OR BELOW TOP OF SLAB ELEVATION.
 - STUDS SHALL BE 1/2" x 8" LONG. ALL STEEL BEAMS SHALL HAVE MIN. 1 STUDT. U.O.N. THIS < > ON PLAN.
 - FOR BEAMS MARKED IN SEE 100-100 FOR SIZE & LOCATION.
 - FOR BEAM REACTIONS NOT SHOWN USE A MINIMUM OF 30 KIPS FOR BEAMS LESS THAN 15 FEET LONG.
 - FOR BALANCE OF NOTES SEE DRAWING S-01.



2 CHILLER DUNNAGE FRAMING PLAN
SCALE: 1/8" = 1'-0"

- NOTES:**
- TOP OF STEEL TO BE AT ELEVATION 147'-6"
 - ALL DUNNAGE STEEL SHALL BE GALVANIZED



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111 WEST MONROE STREET SUITE 2300
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No.	DESCRIPTION	DATE
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2	STRUCTURAL STEEL BID-ADDENDUM	10-01-2014
3	CD PROGRESS ISSUE 1	10-15-2014
4	DOB SUBMISSION	12-19-2014

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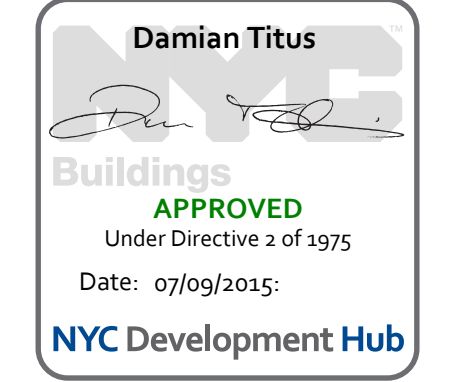
CONSULTANT:
WSP
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New York, NY 10017
(212) 687-9888
www.wspgroup.com/us

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

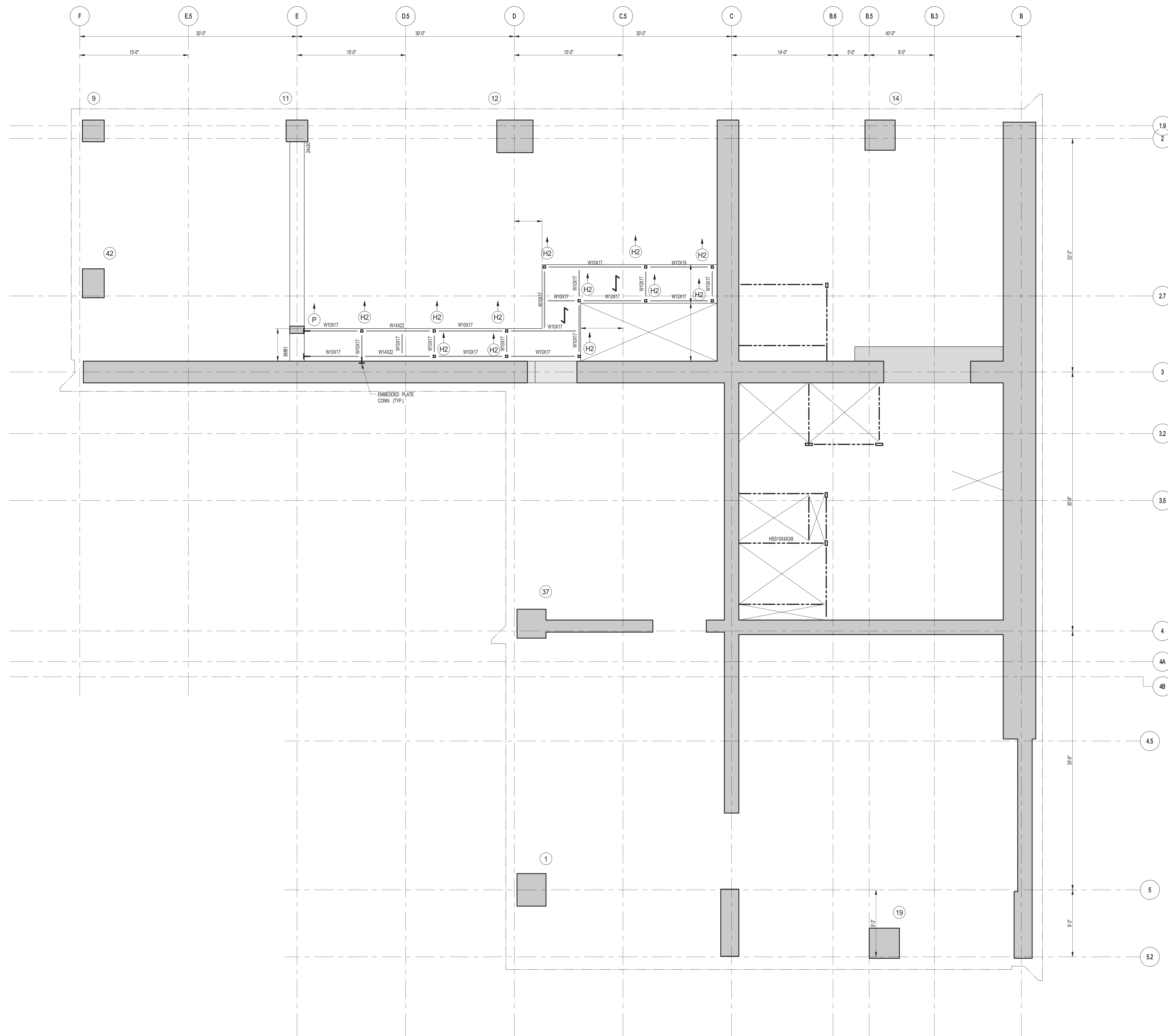
DRAWING TITLE:
8TH FLOOR - FRAMING PART PLANS

DATE:	09-15-2014
PROJECT No:	2012185
DRAWN: CAD	REV: 4
CHK: YE	
SCALE: 1/8" = 1'-0"	
DWG No:	S-185.00
DOB PAGE No:	38 OF 118

DOB EMPLOYEE STAMP: **Damian Titus**

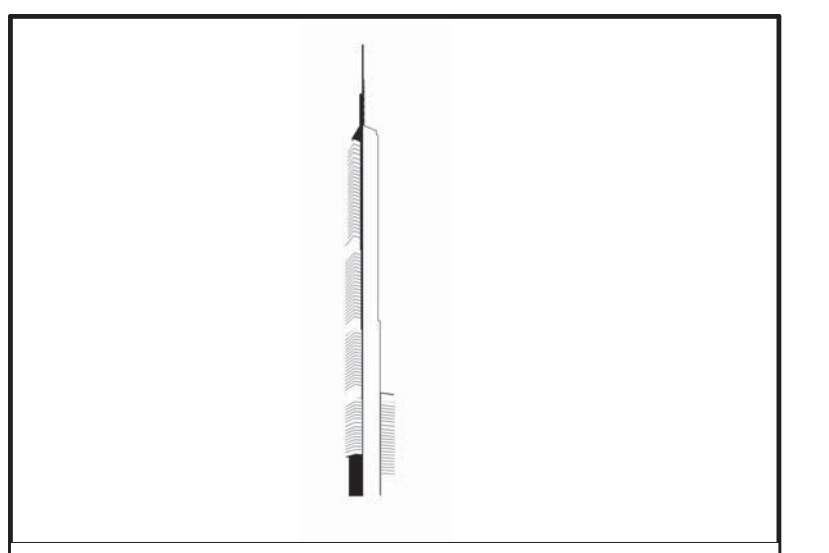


APPROVED
Under Directive 2 of 1975
Date: 07/09/2015
NYC Development Hub

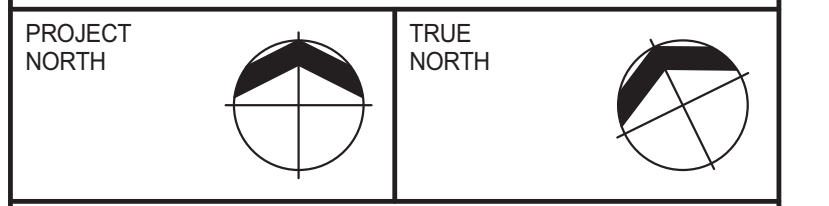


1 8TH FLOOR MEZZANINE FRAMING PLAN
SCALE: 3/8" = 1'-0"

- NOTES:**
- TOP OF STRUCTURAL SLAB SHALL BE AS INDICATES ON PLAN.
 - SLAB CONSTRUCTION SHALL BE 20" NORMAL WEIGHT CONCRETE ON TOP OF 3" DEEP 16GA (F740 K85) COMPOSITE GALVANIZED METAL DECK, (TOTAL SLAB DEPTH 23") REINFORCED WITH #4@20" ON CENTER W/W CONCRETE FO-4000Psi AT 28 DAYS U.O.N.
 - TOP OF STEEL TO BE 5/8" BELOW TOP OF SLAB ELEVATION SPECIFIED IN BID-ADDENDUM.
 - STUDS SHALL BE 1/2" x 5' LONG. ALL STEEL BEAMS SHALL HAVE MIN. 1 STUDOFF U.O.N. THIS <-> ON PLAN.
 - ALL BEAMS SHALL BE W10x17 U.O.N.
 - FOR W/O BEAM REACTIONS NOT SHOWN USE A MINIMUM OF 30 KIPS FOR BEAMS LESS THAN 15 FEET LONG.
 - FOR BALANCE OF INFORMATION SEE DRAWING FO-001.



KEY PLAN:
PROJECT MS
WEST 57TH ST
THIRD AVE
WEST 67TH ST



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

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

INTERIOR DESIGNER: Residential
Rottet Architecture and Design Studio, PLLC
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TEL: 646 998 7000 FAX:

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A&J ARCHITECTS, P.C.
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New York, NY 10036 USA
TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS: **Langan Engineering & Environmental Services**
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TEL: 212 757 8559 FAX: 646 219 8508

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

No.	DESCRIPTION	DATE
1	DESIGN DEVELOPMENT	07-01-2014
2	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
3	STRUCTURAL STEEL BID	09-15-2014
4	STRUCTURAL STEEL BID-ADDENDUM	10-01-2014
5	CD PROGRESS ISSUE 1	10-15-2014
6	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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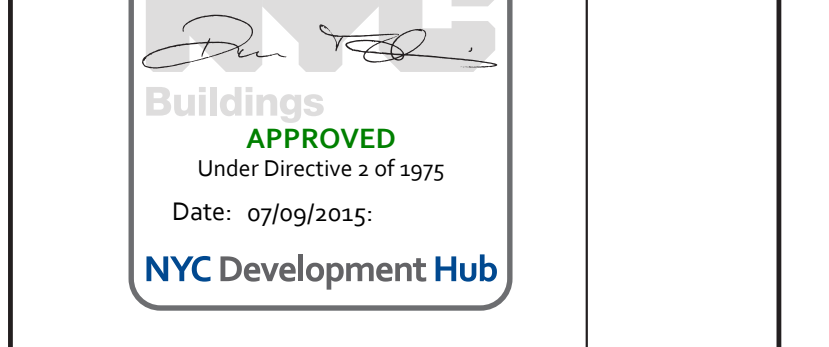
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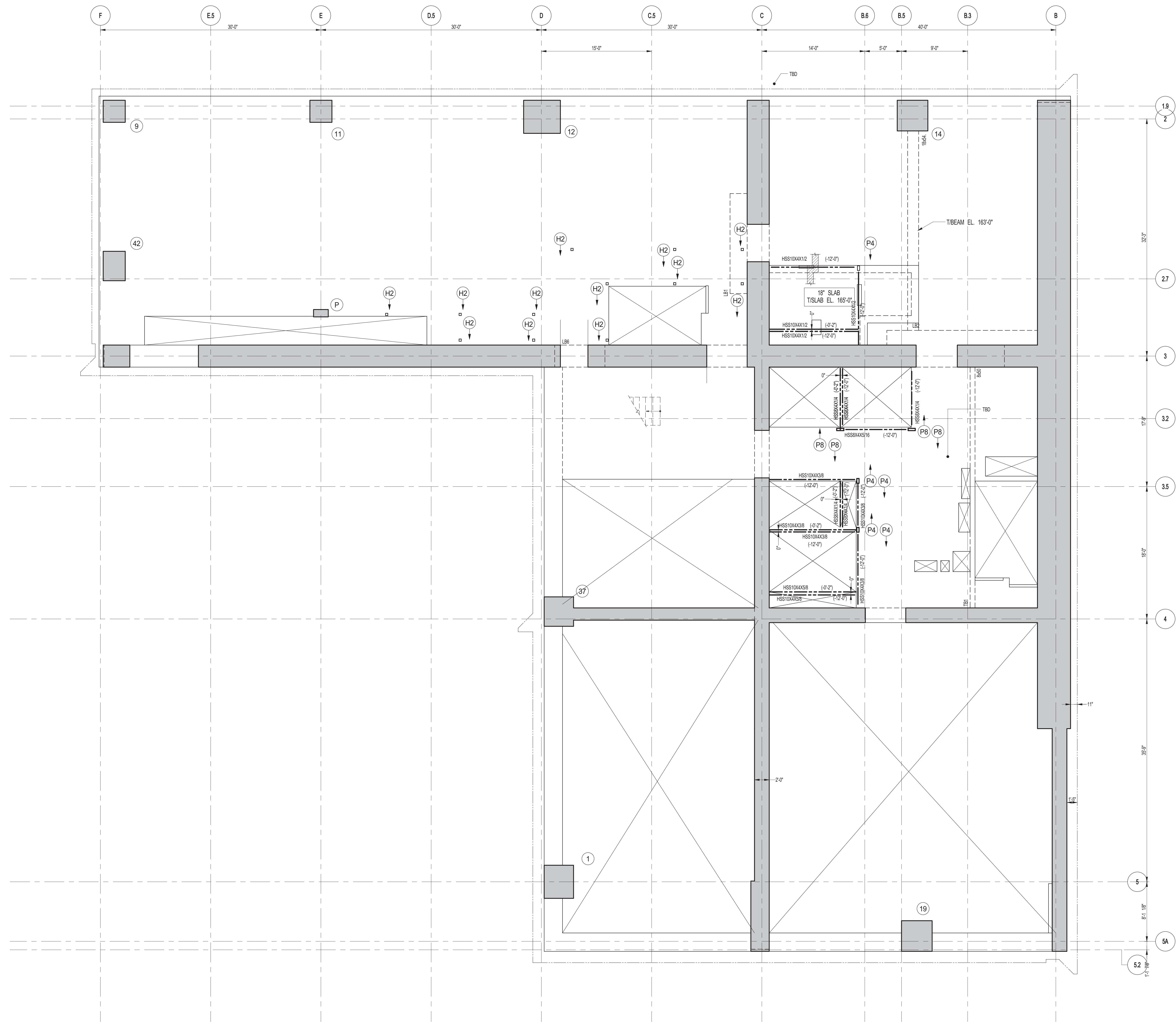
PROJECT: 217 WEST 57TH STREET, NEW YORK, NY

DRAWING TITLE: 8TH FLOOR MEZZANINE - FRAMING PLAN

SEAL & SIGNATURE: [Professional Engineer Seal] DATE: 07-01-2014
PROJECT No: 2012185
DRAWN: CADD REV: 6
CHK: YE SCALE: As indicated
DWG No: S-186.00

DOB EMPLOYEE STAMP: [Seal] DOB PAGE No: 39 OF 118
DOB S-CAN:





1 9TH FLOOR FRAMING PLAN
SCALE: 3/16" = 1'-0"

- NOTES:**
1. TISLAB ELEVATION TO BE 165'-0" U.O.N.
 2. SLAB TO BE 12" THICK MIN. U.O.N. ON PLAN.
 3. BOTTOM MAT REINFORCING TO BE #5@12 CONT. EW. U.O.N.

KEY PLAN

PROJECT NORTH TRUE NORTH

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

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ADRIAN SMITH + GORDON GILL ARCHITECTURE
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CHICAGO, IL 60603
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INTERIOR DESIGNER: Residential
Rotter Architecture and Design Studio, PLLC
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TEL: 646 998 7000 FAX:

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
AJM ARCHITECTS, P.C.
401 Wellington St. W., 3rd Floor
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TEL: 416 967 1500 FAX: 416 967 7150

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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	SUPERSTRUCTURE CONCRETE BID	06-02-2014
4	DESIGN DEVELOPMENT	07-01-2014
5	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
6	CD PROGRESS ISSUE 1	10-15-2014
7	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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www.wspgroup.com/us

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

DRAWING TITLE: **9TH FLOOR (MEP) - FRAMING PLAN**

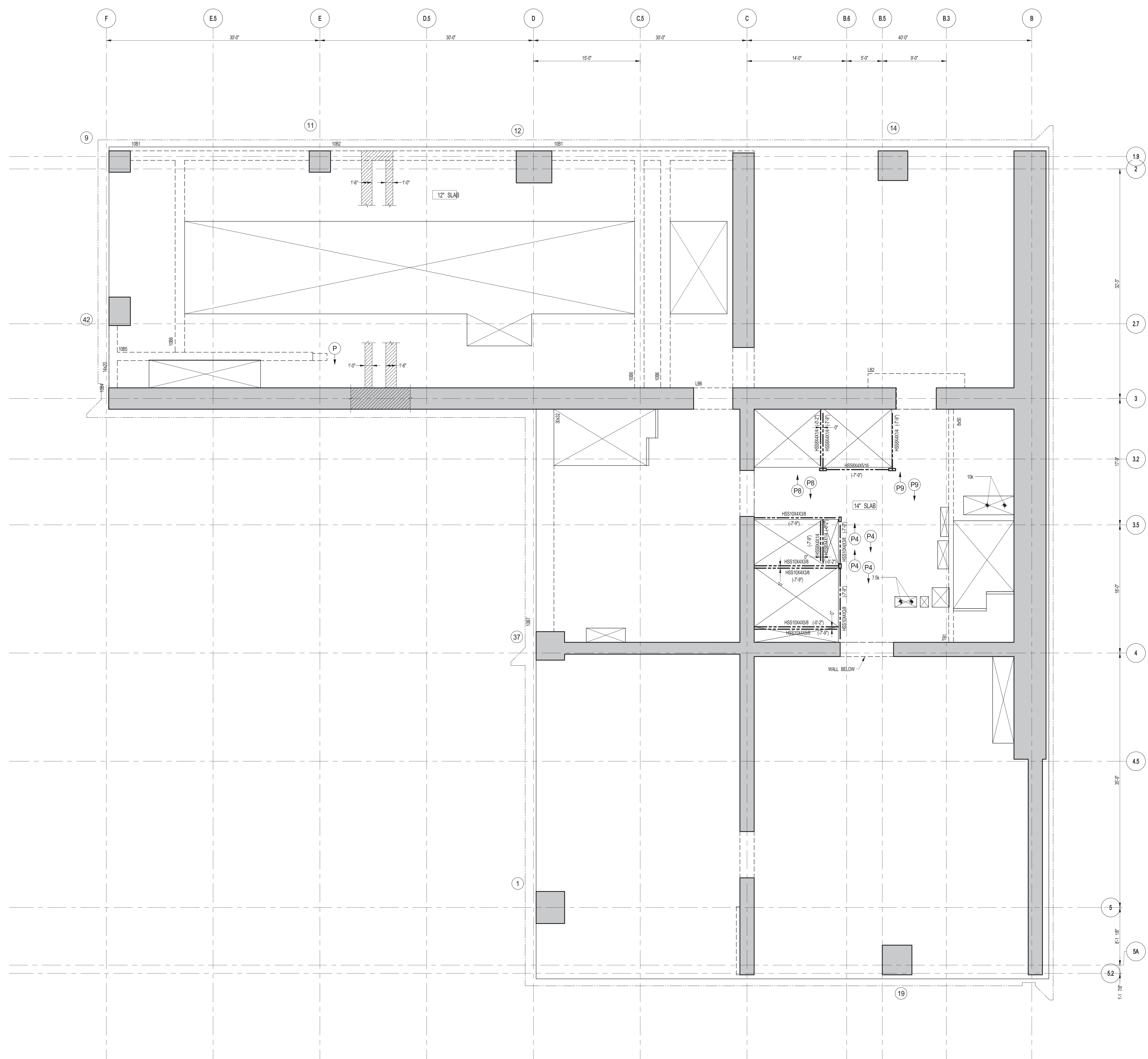
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PROJECT No:	2012185
DRAWN: CAD	REV: 7
CHK: YE	
SCALE: As indicated	
DWG No:	S-190.00
DOB PAGE No:	40 OF 118
DOB No:	

SEAL & SIGNATURE:

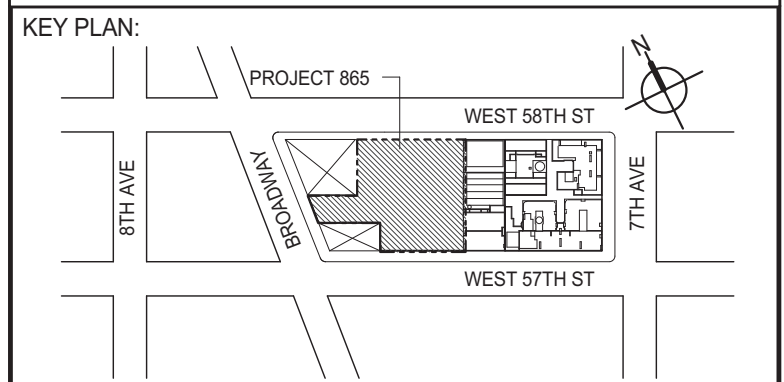
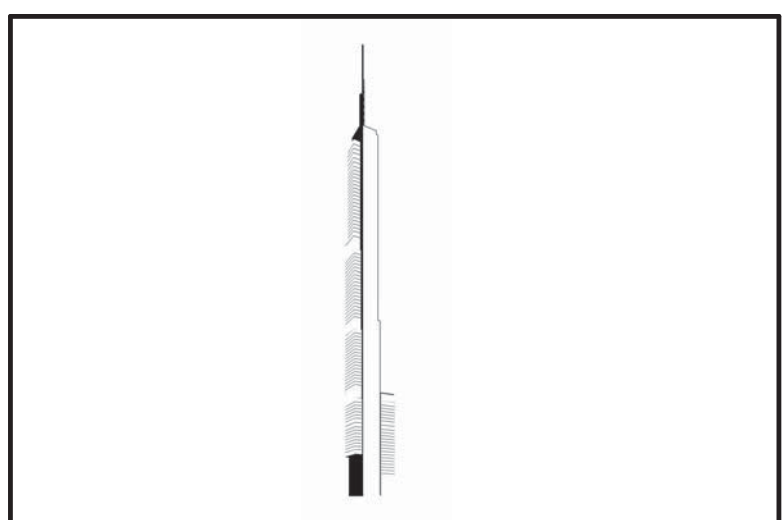
DOB EMPLOYEE STAMP: **Damian Titus**
Buildings
APPROVED
Under Directive 2 of 1995
Date: 07/09/2015
NYC Development Hub

DOB S-SCAN:

11/15/14 11:57:00 AM



1 10TH FLOOR FRAMING PLAN
 SCALE: 3/16" = 1'-0"
 NOTES:
 1. SLAB ELEVATION TO BE 126" U.O.N.
 2. SLAB TO BE 12" THICK MIN. U.O.N. ON PLAN.
 3. BOTTOM MAT REINFORCING TO BE #9@2 CONT. E.W. U.O.N.



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 ADRIAN SMITH + GORDON GILL ARCHITECTURE
 111 WEST MONROE STREET SUITE 2300
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 TEL: 212 759 6452 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	SUPERSTRUCTURE CONCRETE BID	06-02-2014
4	DESIGN DEVELOPMENT	07-01-2014
5	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
6	CD PROGRESS ISSUE 1	10-15-2014
7	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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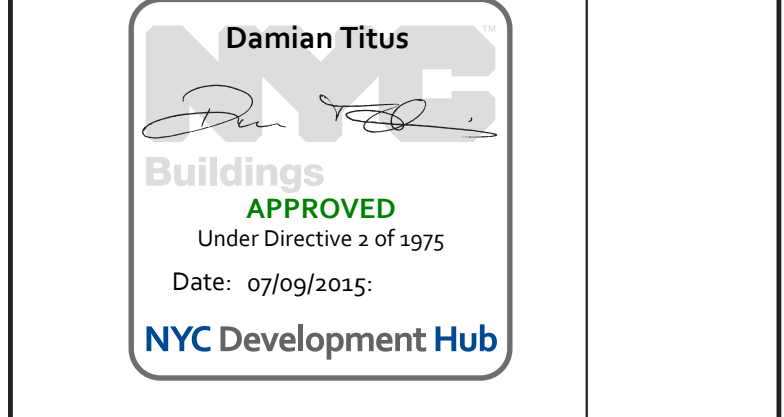
PROJECT:
 217 WEST 57TH STREET
 NEW YORK, NY

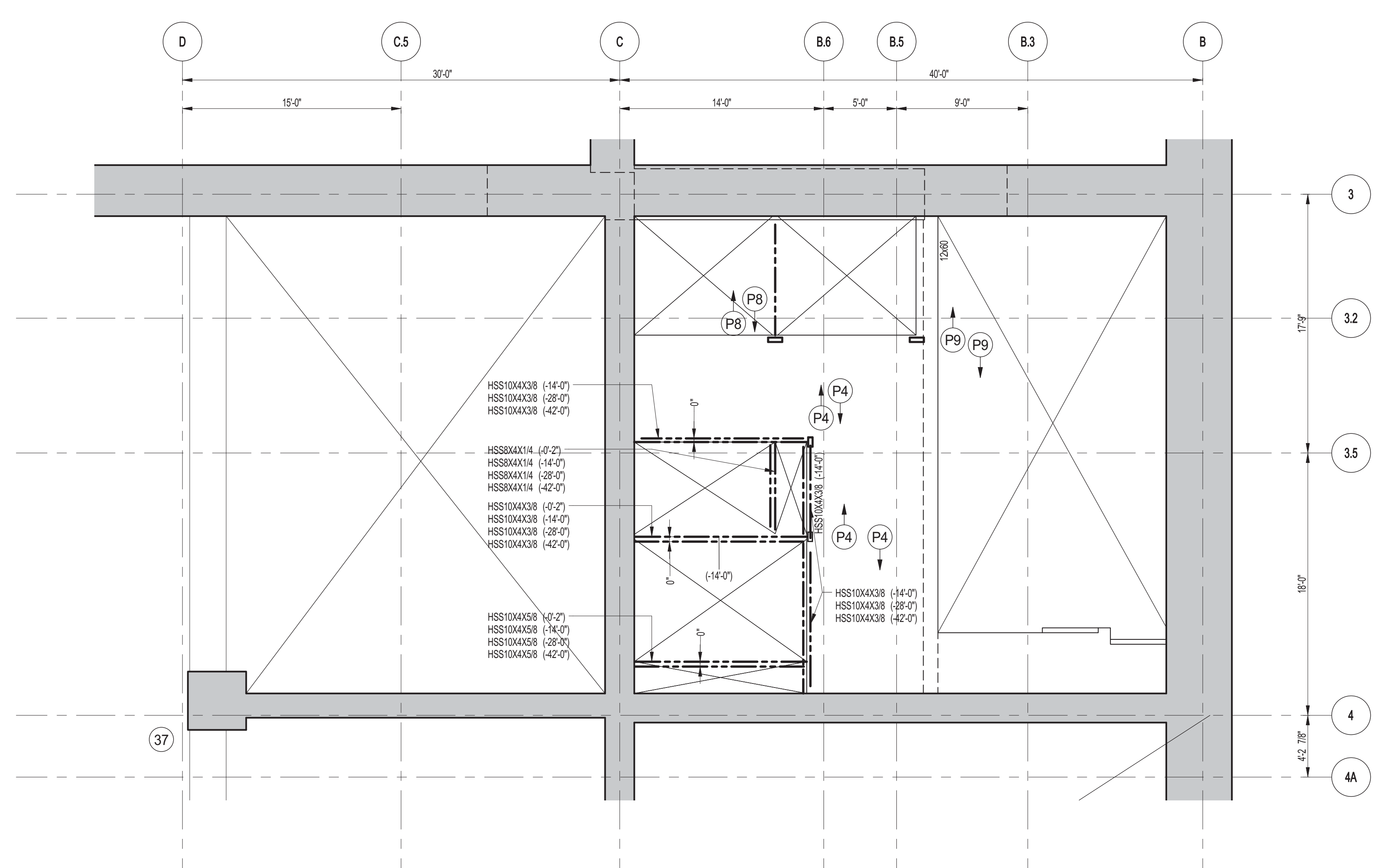
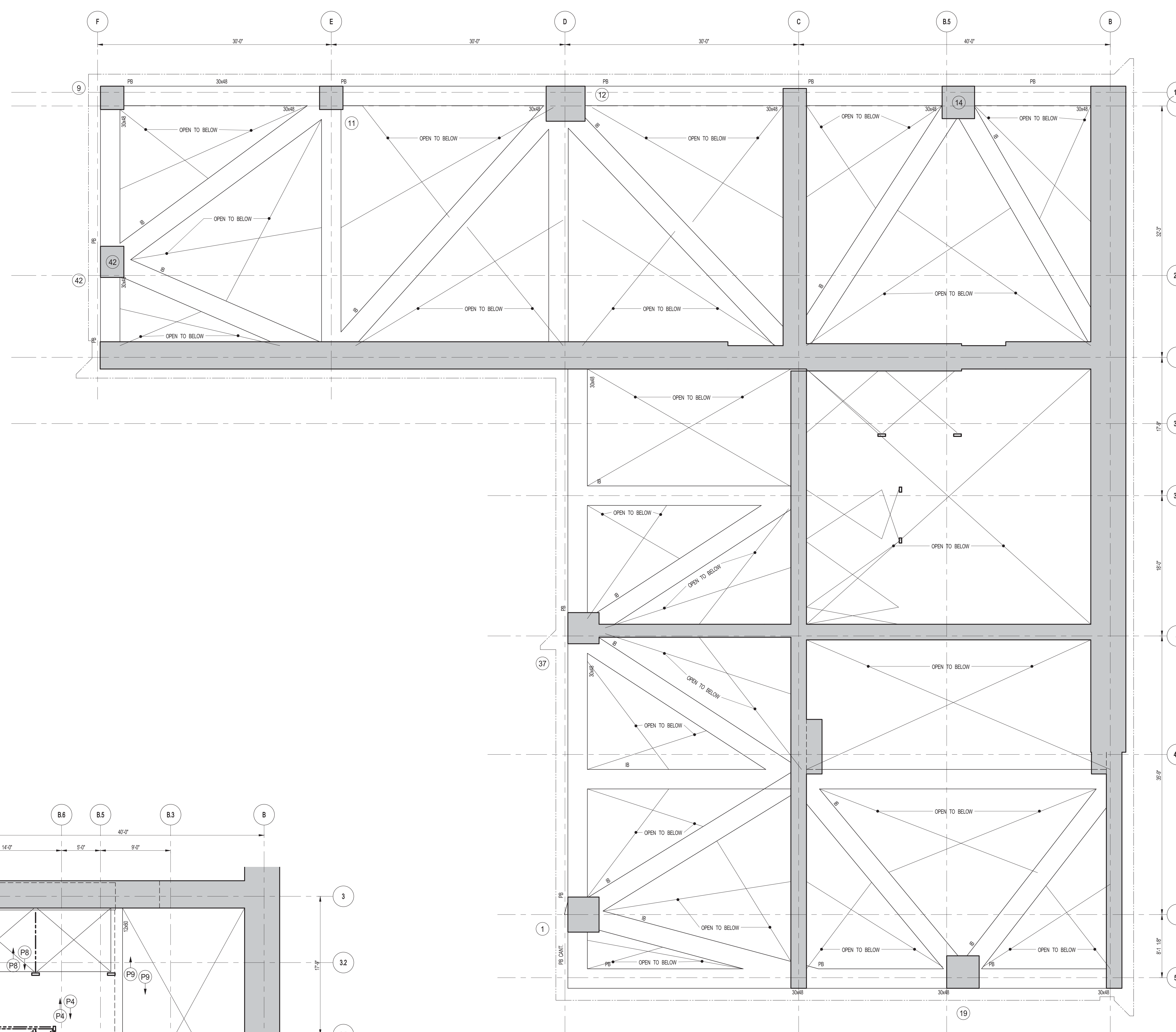
DRAWING TITLE:
 10TH FLOOR - FRAMING PLAN

DATE:	03-31-2014
PROJECT No:	2012185
DRAWN: CADDO	REV: 7
CHK: YE	SCALE: As indicated
DWG No:	S-200.00

DOB PAGE No: 41 OF 118

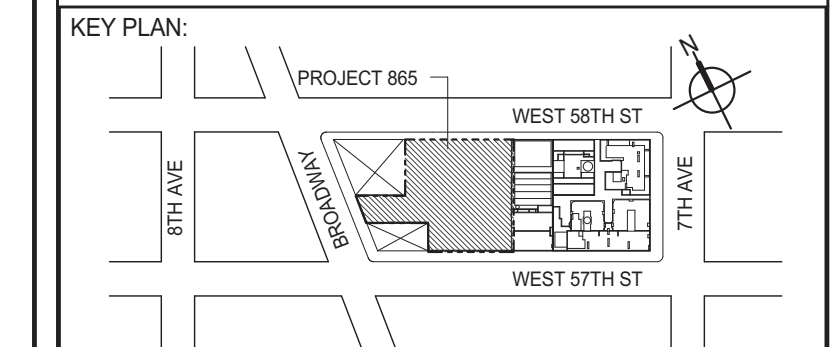
DOB EMPLOYEE STAMP: **Damian Titus**





1
S-205
10TH FLOOR MEZZANINE FRAMING PART PLAN
SCALE: 3/16" = 1'-0"
NOTES:
1. T&AB EL. 234'-8"

2
S-205
INTERMEDIATE FRAMING PLAN
SCALE: 3/16" = 1'-0"
NOTES:
1. PB - PERIMETER BEAMS AT EL. 188'-4", 197'-8", 202'-4", 217'-0", 229'-4", 242'-0", 255'-0", 267'-8", 282'-4", 304'-10", 217'-0", 226'-0"
2. IB - INTERIOR BRACING AT EL. 217'-0", 226'-0"



DEVELOPER:
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DESIGN ARCHITECT: Base Building Shell & Core
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111 WEST MONROE STREET SUITE 2300
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39 West 37th Street, 12A
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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	SUPERSTRUCTURE CONCRETE BID	06-02-2014
4	DESIGN DEVELOPMENT	07-01-2014
5	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
6	CD PROGRESS ISSUE 1	10-15-2014
7	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

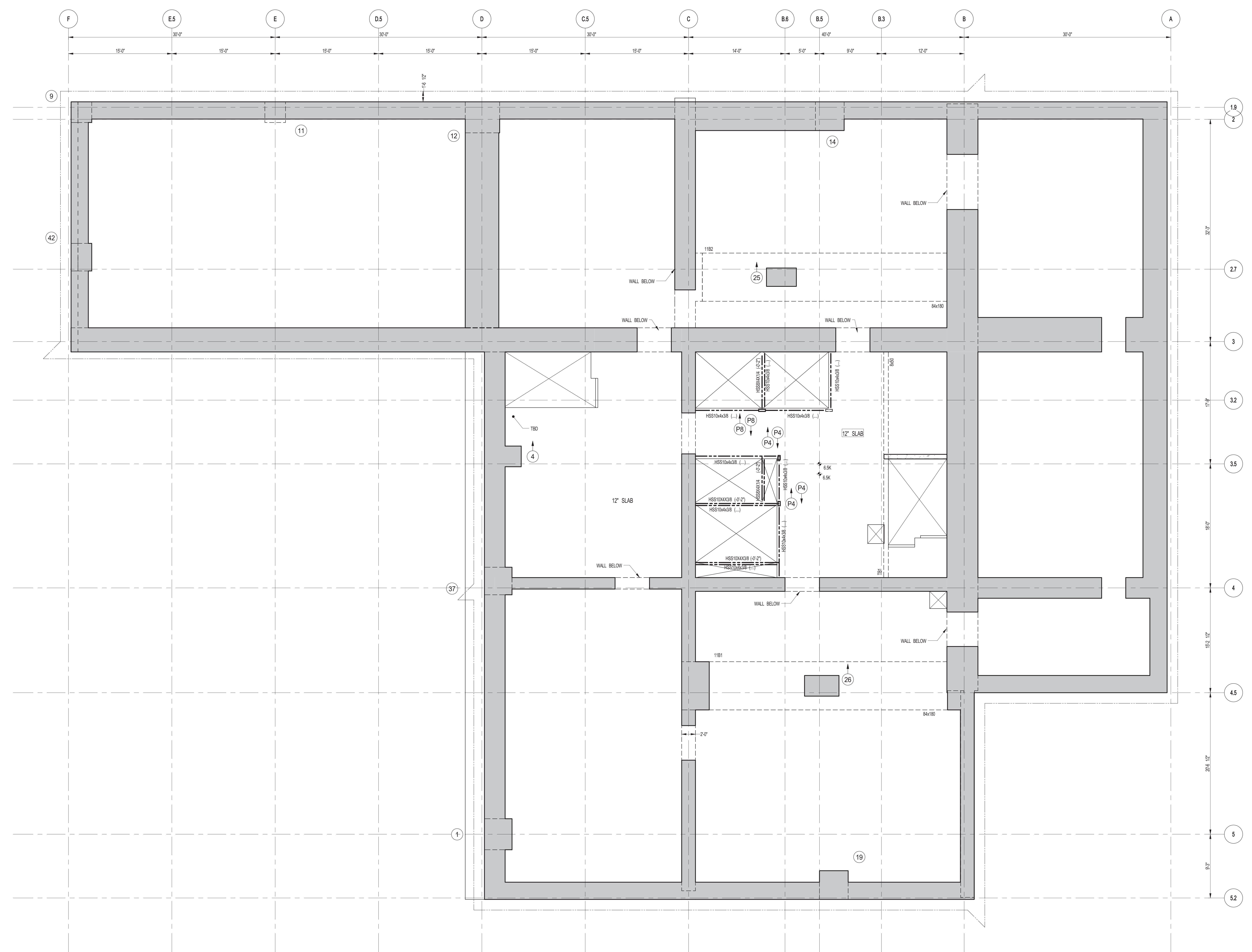
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CONSULTANT:
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228 East 45th Street
New York, NY 10017
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www.wspgroup.com/us

PROJECT:
**217 WEST 57TH STREET
NEW YORK, NY**
DRAWING TITLE:
10TH FLOOR MEZZANINE - FRAMING PLAN

SEAL & SIGNATURE:	DATE: 03-31-2014
	PROJECT No: 2012185
	DRAWN: CADDO
	CHK: YE
	SCALE: As indicated
DWG No: S-205.00	DOB PAGE No: 42 OF 118
DOB EMPLOYEE STAMP:	DOB S-CAN:

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1995
Date: 07/09/2015
NYC Development Hub



1 11TH FLOOR FRAMING PLAN
 S-210 SCALE: 3/16" = 1'-0"
 NOTES:
 1. SLAB ELEVATION TO BE 293'-0"
 2. SLAB TO BE 12" THICK MIN. UDLN. ON PLAN.
 3. BOTTOM MAT REINFORCING TO BE R#4@12" CONT. E.W. UDLN.

KEY PLAN

 PROJECT: 217 WEST 57TH STREET
 TRUE NORTH

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

DESIGN ARCHITECT: Base Building Shell & Core
ADRIAN SMITH + GORDON GILL ARCHITECTURE
 111 WEST MONROE STREET SUITE 2300
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INTERIOR DESIGNER: Residential
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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	DESIGN DEVELOPMENT	07-01-2014
4	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
5	CD PROGRESS ISSUE 1	10-15-2014
6	DOB SUBMISSION	12-19-2014

DOB SUBMISSION
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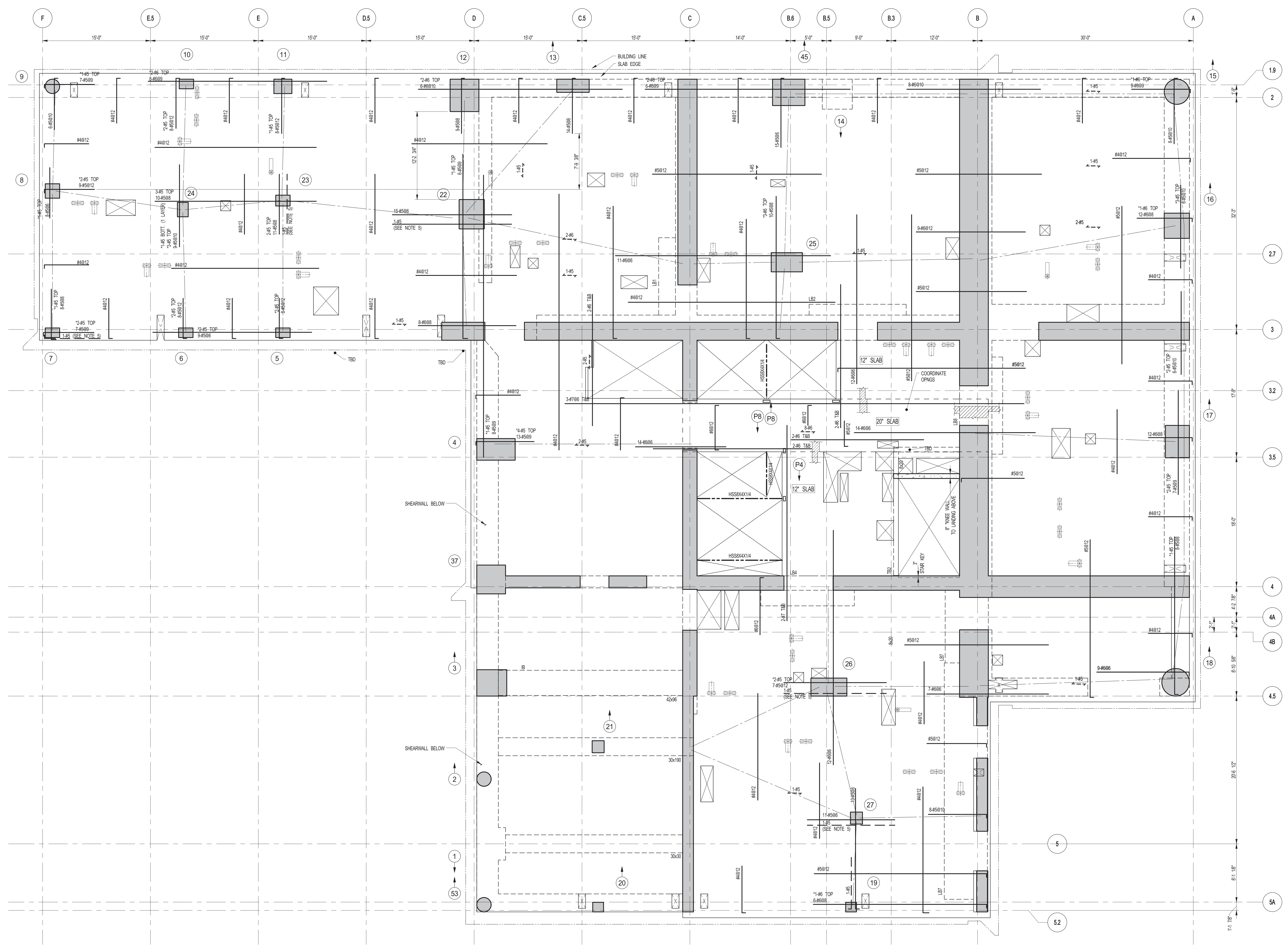
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PROJECT:
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 NEW YORK, NY

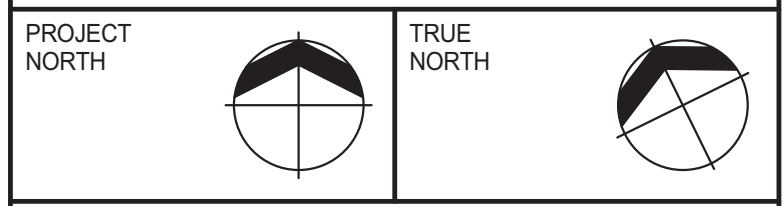
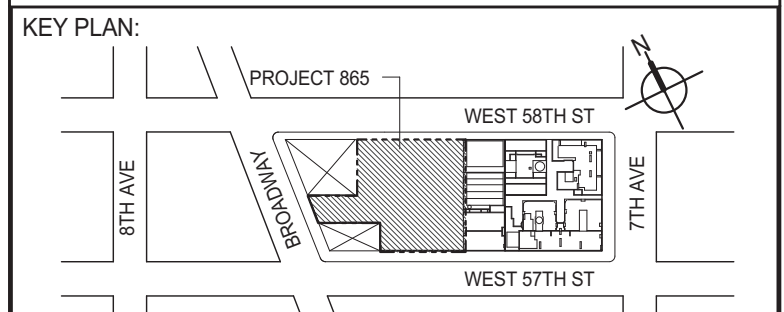
DRAWING TITLE:
11TH FLOOR (MEP) - FRAMING PLAN

DATE:	03-31-2014
PROJECT No:	2012185
DRAWN: CADDO	REV: 6
CHK: YE	SCALE: As indicated
DWG No:	S-210.00
DOB PAGE No:	43 OF 118
DOB EMPLOYEE STAMP:	DOB S-SCAN:

Damian Titus
 Buildings
 APPROVED
 Under Directive 2 of 1995
 Date: 07/09/2015
 NYC Development Hub



1 13TH FLOOR FRAMING PLAN
SCALE: 3/16" = 1'-0"
NOTES:
1. TSLAB ELEVATION TO BE 328'-3" U.O.N.
2. SLAB TO BE 9" THICK MIN. U.O.N. ON PLAN
3. BOTTOM MAT REINFORCEMENT TO BE #4@12 CONT. EW FOR 9" SLAB U.O.N.
#5@12 CONT. EW FOR 12" SLAB U.O.N.
4. FOR BALANCE OF INFORMATION SEE FO-001 & FO-002



DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
805 THIRD AVENUE, 7TH FLOOR
NEW YORK, NY 10022 USA
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DESIGN ARCHITECT: **Base Building Shell & Core**
ADRIAN SMITH + GORDON GILL ARCHITECTURE
111 WEST MONROE STREET SUITE 2300
CHICAGO, IL 60603
TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER: Residential
Rotter Architecture and Design Studio, PLLC
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ARCHITECT OF RECORD: **Base Building Shell, Core, & Residential**
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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	SUPERSTRUCTURE CONCRETE BID	06-02-2014
4	DOB FILING SET	06-17-2014
5	DESIGN DEVELOPMENT	07-01-2014
6	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
7	CD PROGRESS ISSUE 1	10-15-2014
8	ISSUED FOR CONSTRUCTION LIF TO 7TH FLOOR ONLY	11-14-2014
9	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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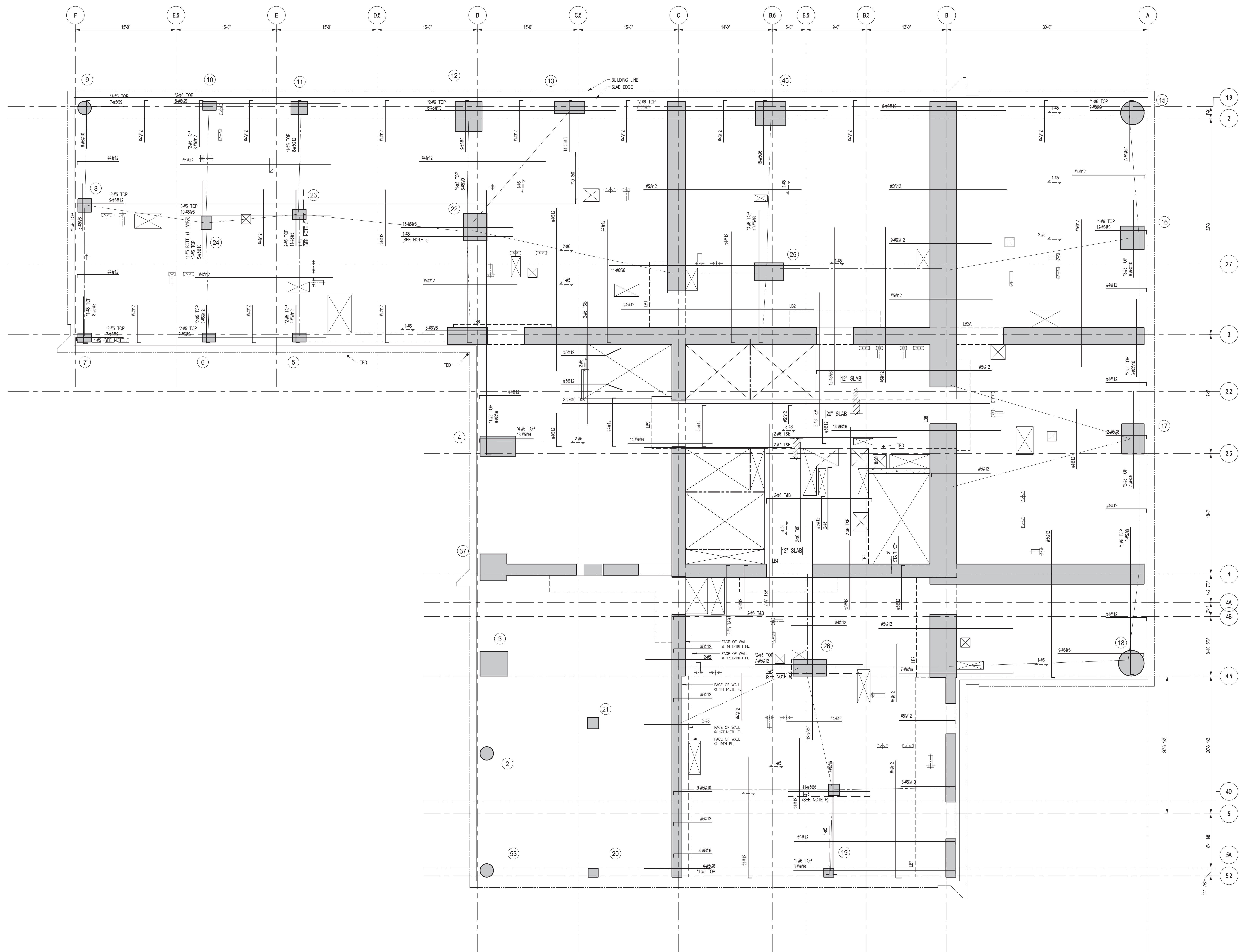
PROJECT: **217 WEST 57TH STREET
NEW YORK, NY**

DRAWING TITLE: **13TH FLOOR - FRAMING PLAN**

DATE: 03-31-2014
PROJECT No: 2012185

DRAWN: CADDO
CHK: YE
SCALE: As indicated

DWG No: **S-215.00**
DOB PAGE No: 45 OF 118
DOB S-SCAN:

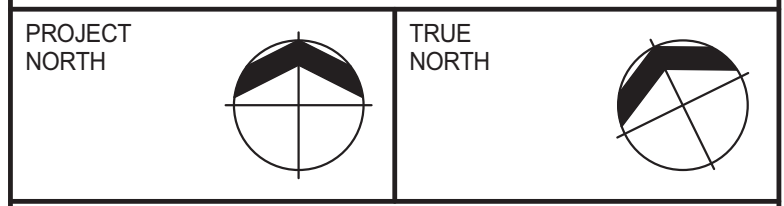
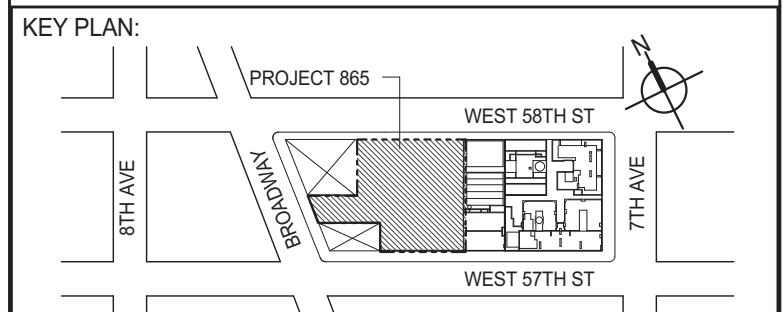


1 14TH-19TH FLOOR FRAMING PLAN
SCALE: 3/16" = 1'-0"

- NOTES:**
1. SLAB ELEVATION TO BE: 14TH FLOOR 340'-1" U.O.N.
15TH FLOOR 351'-11" U.O.N.
16TH FLOOR 363'-9" U.O.N.
17TH FLOOR 375'-7" U.O.N.
18TH FLOOR 387'-5" U.O.N.
19TH FLOOR 399'-3" U.O.N.
 2. SLAB TO BE 9" THICK MIN. U.O.N. ON PLAN
 3. BOTTOM SLAB REINFORCEMENT TO BE #4@12 CONT. E-W FOR 9" SLAB U.O.N.
#5@12 CONT. E-W FOR 12" SLAB U.O.N.
 4. FOR BALANCE OF NOTES SEE DRAWING S-001.
 5. FOR STRUCTURE INTEGRITY REINF. ADDL INFORMATION SEE S-070.

14TH-19TH FLOOR BEAM SCHEDULE									
BEAM MARK	SIZE		REINFORCEMENT		TOP ADDL. BARS AT SUPPORT	STIRRUPS			REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS		TYPE	SIZE	SPACING	
MB1			3-#6	3-#6		1	#3	96	
IB									
PB									

TYPE 1



DEVELOPER:
EXTELL DEVELOPMENT COMPANY
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TEL: 212 712 6000 FAX: 212 712 6100

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LANDMARK/PRESERVATION CONSULTANT:
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39 West 37th Street, 12A
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TEL: 212 759 6452 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	SUPERSTRUCTURE CONCRETE BID	06-02-2014
4	DOB FILING SET	06-17-2014
5	DESIGN DEVELOPMENT	07-01-2014
6	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
7	CD PROGRESS ISSUE 1	10-15-2014
8	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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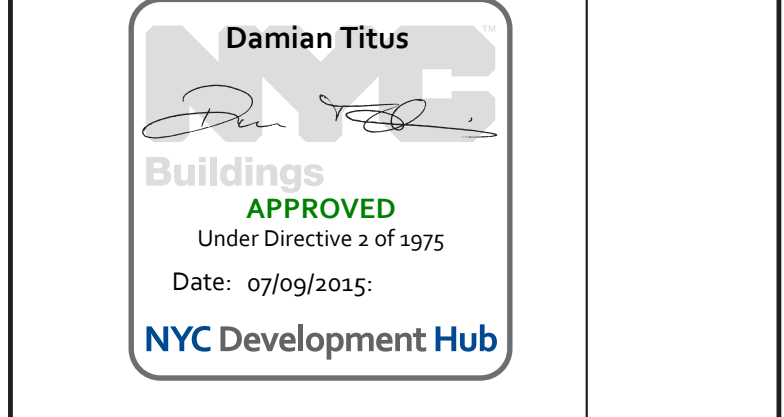
CONSULTANT:
WSP 228 East 45th Street
New York, NY 10017
(212) 687-9888
www.wspgroup.com/us

PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

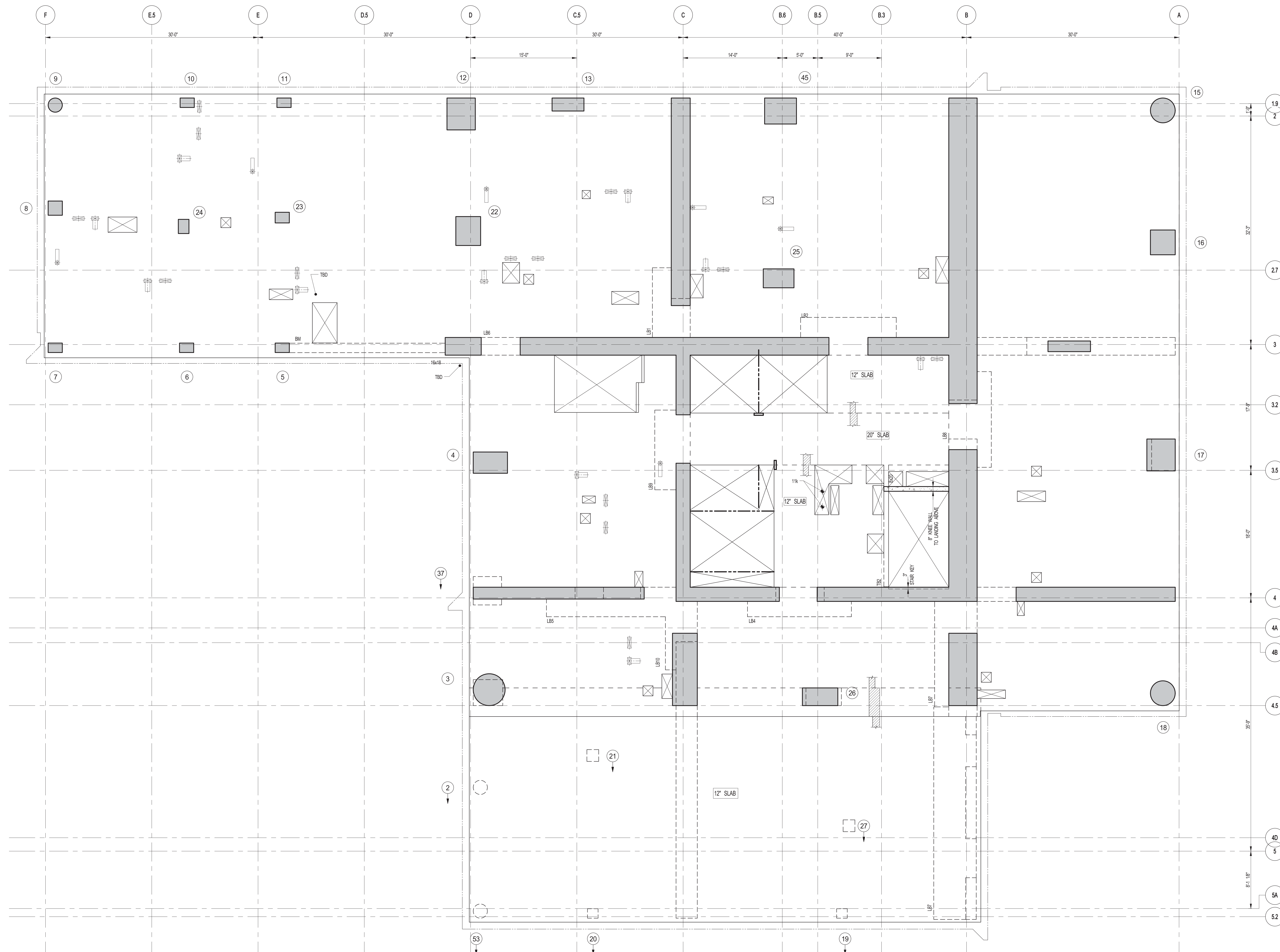
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14TH-19TH FLOORS - FRAMING PLAN

DATE: 03-31-2014	PROJECT No: 2012185
DRAWN: CADDO	REV: 8
CHK: YE	SCALE: As indicated
DWG No:	S-220.00
DOB PAGE No: 48 OF 118	DOB SCAN:

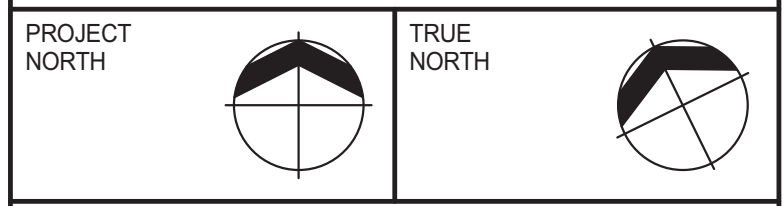
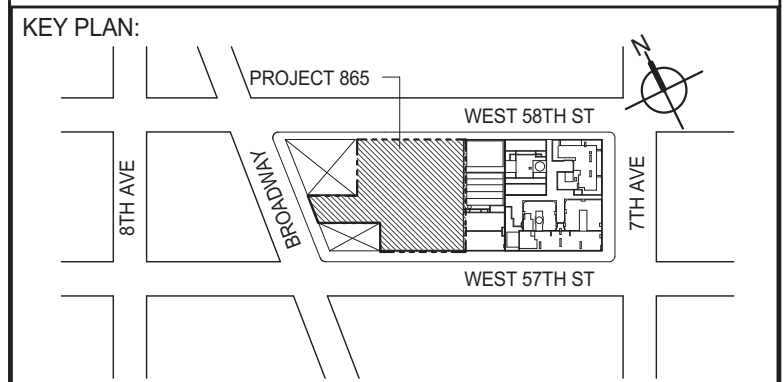
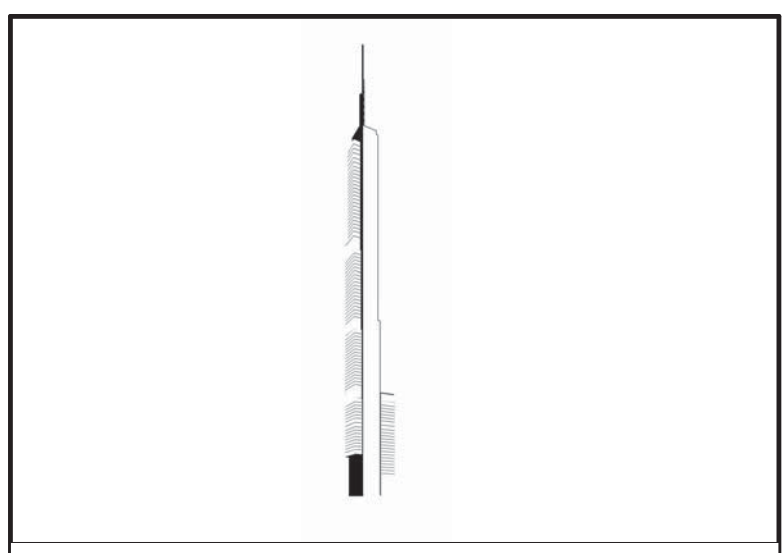
DOB EMPLOYEE STAMP: **Damian Titus**



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Date: 07/09/2015
NYC Development Hub



1 20TH FLOOR FRAMING PLAN
 SCALE: 3/16" = 1'-0"
 NOTES:
 1. SLAB ELEVATION TO BE 410'-3" U.O.N.
 2. SLAB TO BE #7 THICK MIN. U.O.N. ON PLAN
 3. BOTTOM SLAB REINFORCEMENT TO BE #4@12" CONT. E.W. FOR 12' SLAB U.O.N.
 4. FOR BALANCE OF NOTES SEE DRAWING 5-001.



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INTERIOR DESIGNER: Residential
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ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
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CODE CONSULTANTS: **Construction Consulting Associates**
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CURTAINWALL CONSULTANT: **AJLP Consulting**
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LANDMARK/PRESERVATION CONSULTANT: **Jan Hird Pokorny Associates, Inc.**
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No.	DESCRIPTION	DATE
1	SUPERSTRUCTURE CONCRETE BID	06-02-2014
2	DOB FILING SET	06-17-2014
3	DESIGN DEVELOPMENT	07-01-2014
4	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
5	CD PROGRESS ISSUE 1	10-15-2014
6	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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 (212) 687-9888
 www.wspgroup.com/us

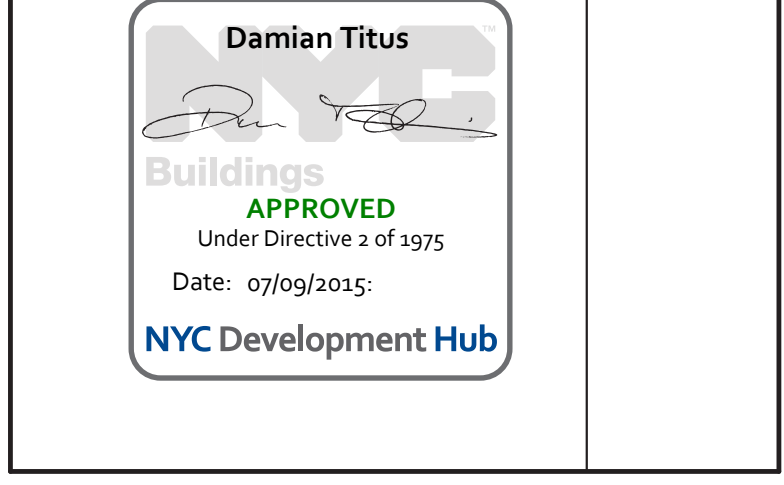
PROJECT: **217 WEST 57TH STREET
 NEW YORK, NY**

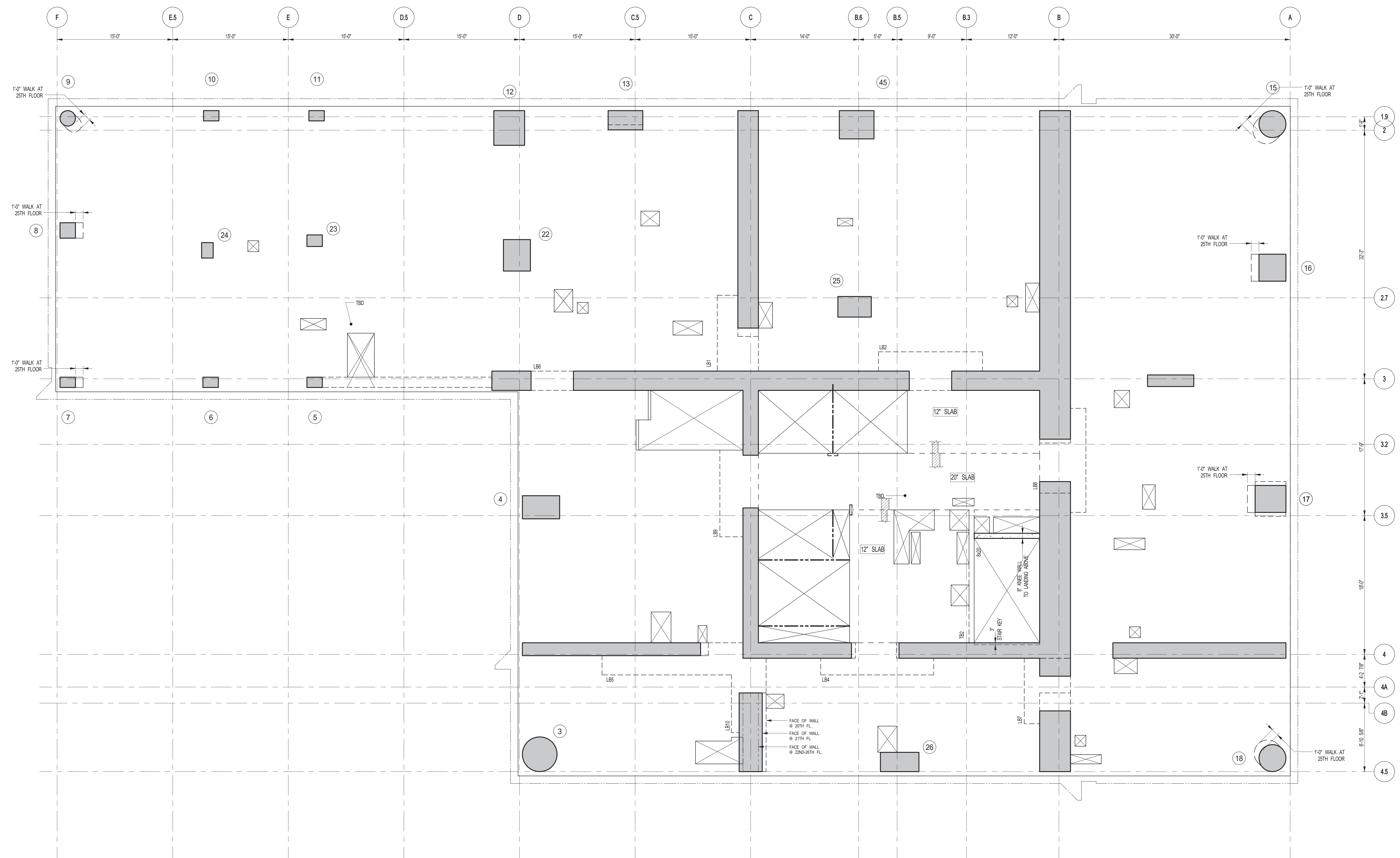
DRAWING TITLE: **20TH FLOOR - FRAMING PLAN**

DATE: 06-02-2014
 PROJECT No: 2012185

DRAWN: CADDO
 CHK: YE
 SCALE: As indicated

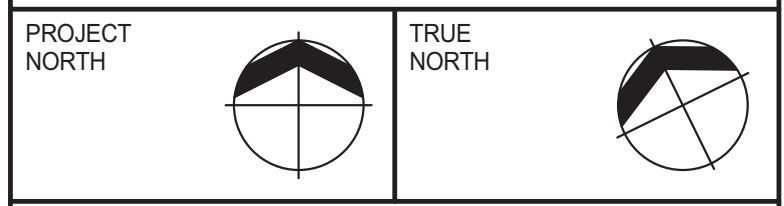
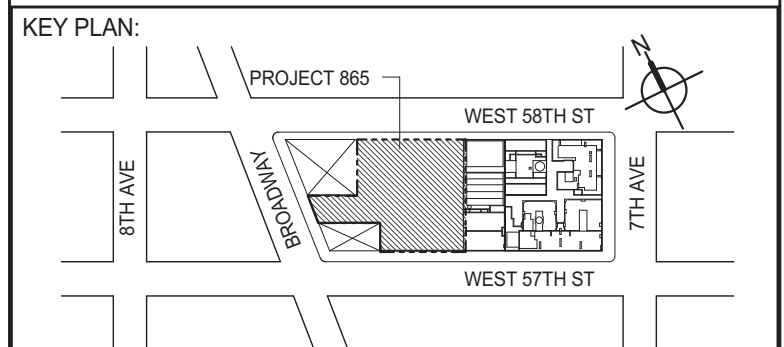
DWG No: **S-225.00**
 REV: **6**
 DOB PAGE No: 47 OF 118
 DOB 5-SCAN:





1 21TH-26TH FLOOR FRAMING PLAN
S-230 SCALE: 3/16" = 1'-0"

- NOTES:**
1. SLAB ELEVATION TO BE: 21ST FLOOR: 431'-3" U.O.N.
22ND FLOOR: 443'-1" U.O.N.
23RD FLOOR: 454'-11" U.O.N.
24TH FLOOR: 466'-9" U.O.N.
25TH FLOOR: 478'-7" U.O.N.
26TH FLOOR: 490'-5" U.O.N.
 2. SLAB TO BE 9" THICK MIN. U.O.N. ON PLAN
 3. BOTTOM SLAB REINFORCEMENT TO BE #8@2' CONT. EW. FOR 9" SLAB U.O.N.
#8@2' CONT. EW. FOR 12" SLAB U.O.N.
 4. FOR BALANCE OF INFORMATION SEE S-201



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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	SUPERSTRUCTURE CONCRETE BID	06-02-2014
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5	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
6	CD PROGRESS ISSUE 1	10-15-2014
7	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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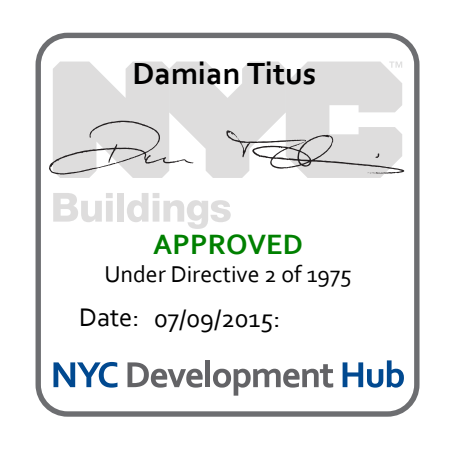
CONSULTANT:
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New York, NY 10017
(212) 687-9888
www.wspgroup.com/us

PROJECT:
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NEW YORK, NY**

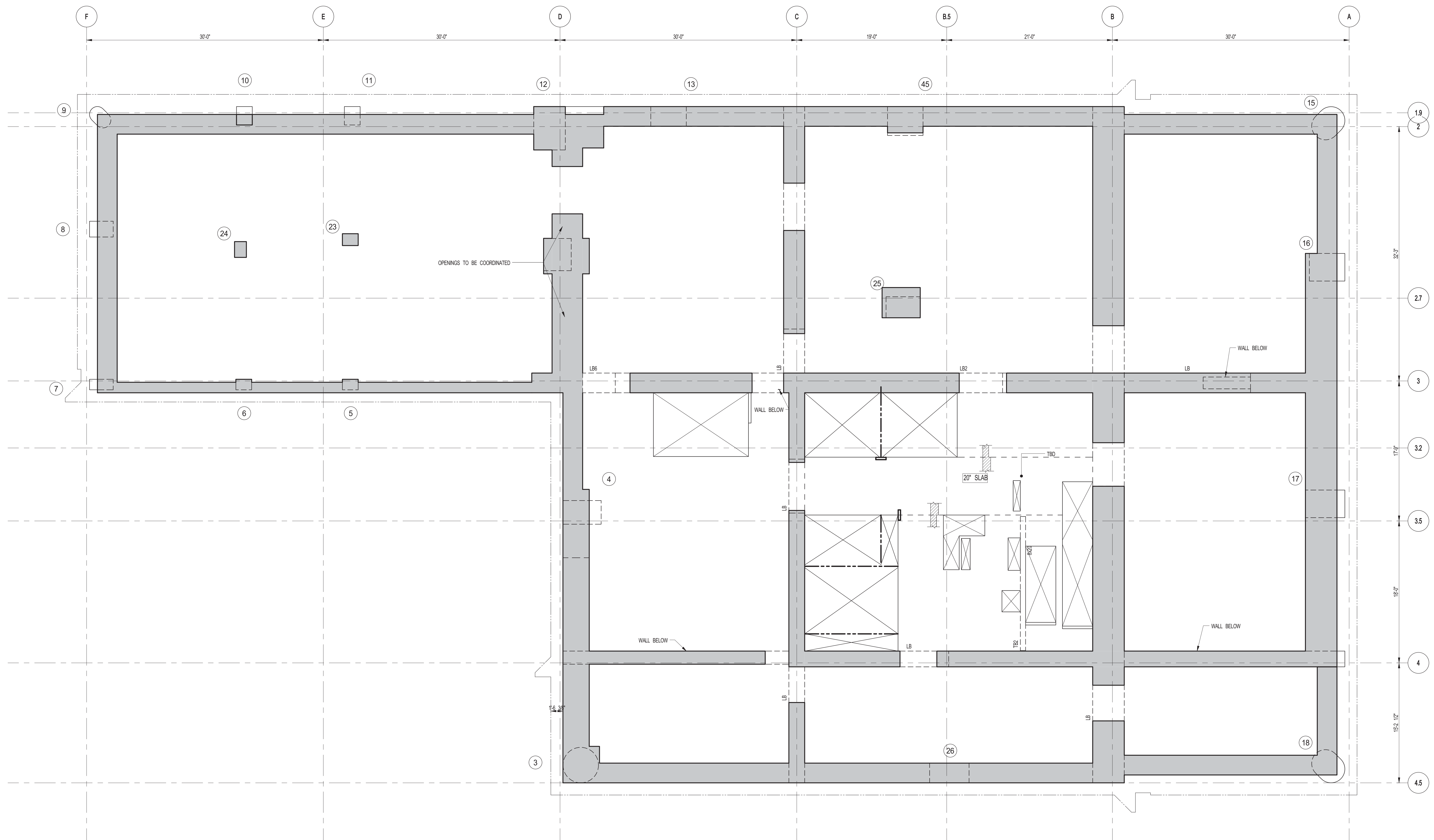
DRAWING TITLE:
21TH-26TH FLOORS - FRAMING PLAN

DATE: 03-31-2014	PROJECT No: 2012185
DRAWN: CADDO	REV: 7
CHK: YE	SCALE: As indicated
DWG No: S-230.00	DOB PAGE No: 48 OF 118

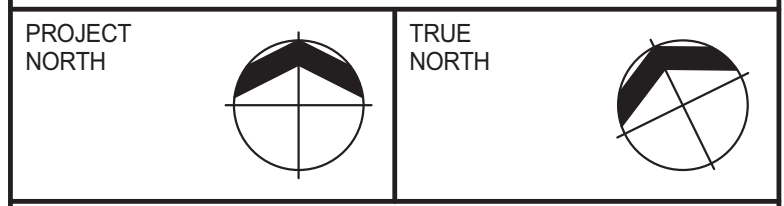
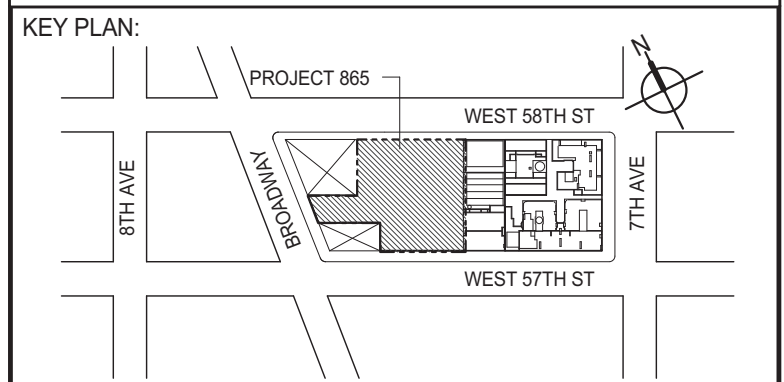
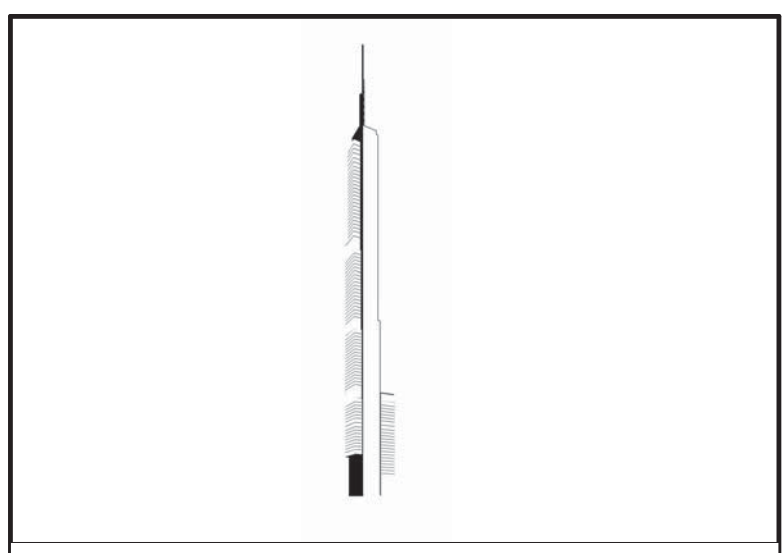
DOB EMPLOYEE STAMP: **Damian Titus**



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Date: 07/09/2015
NYC Development Hub



1 27TH FLOOR FRAMING MEP
 S-235 SCALE: 3/16" = 1'-0"
 NOTES:
 1. TISLAB ELEVATION TO BE 506'-5" U.O.N.
 2. SLAB TO BE 12" THICK MIN. U.O.N. ON PLAN.
 3. BOTTOM SLAB REINFORCING TO BE #4@2 CONT. E.W. U.O.N.



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No.	DESCRIPTION	DATE
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5	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
6	CD PROGRESS ISSUE 1	10-15-2014
7	DOB SUBMISSION	12-19-2014

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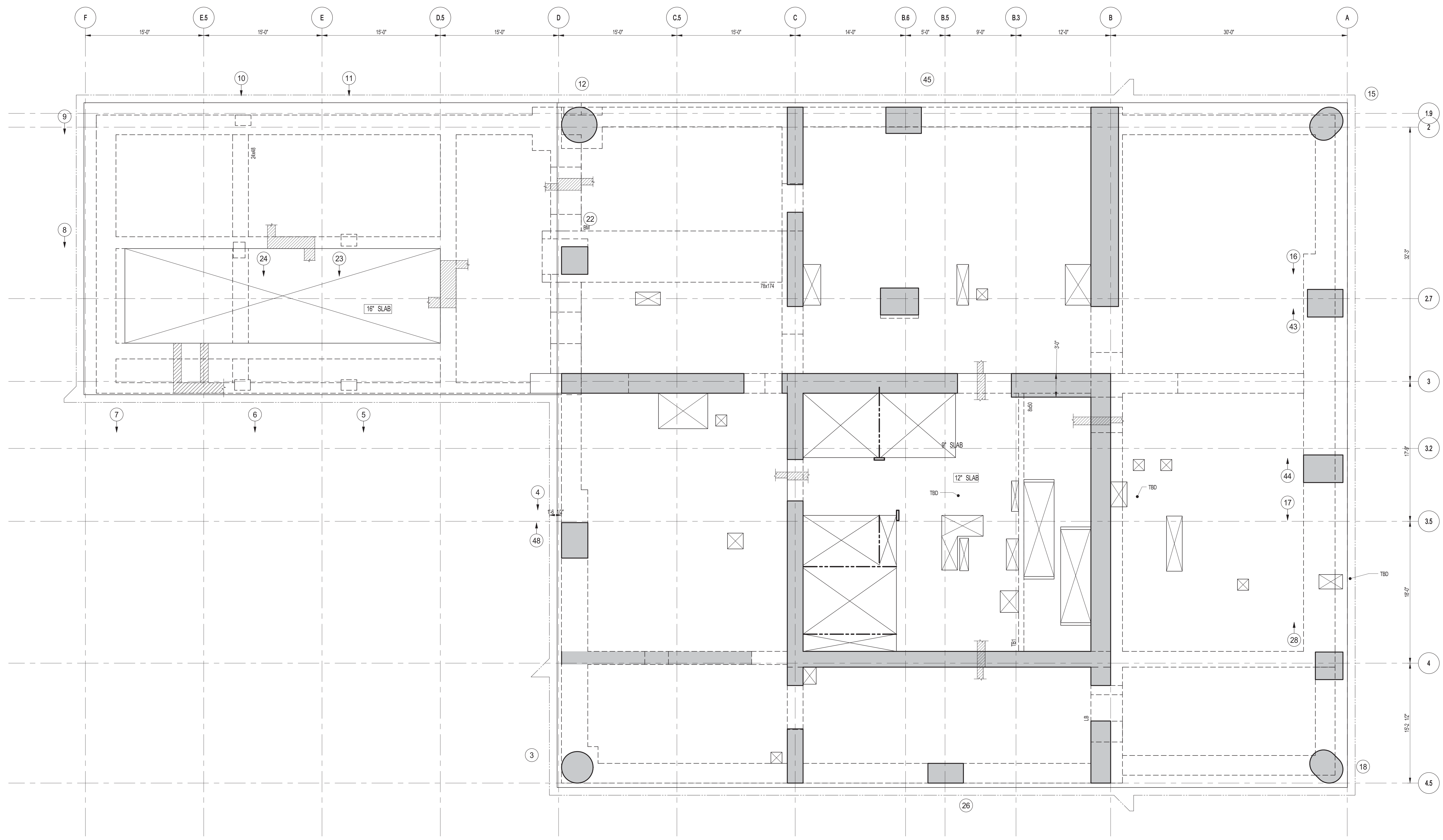
PROJECT:
217 WEST 57TH STREET
 NEW YORK, NY

DRAWING TITLE:
 27TH FLOOR (MEP) - FRAMING PLAN

DATE: 03-31-2014	PROJECT No: 2012185
DRAWN: CADDO	REV: 7
CHK: YE	SCALE: As indicated
DWG No:	S-235.00
DOB PAGE No: 49 OF 118	DOB S-SCAN:

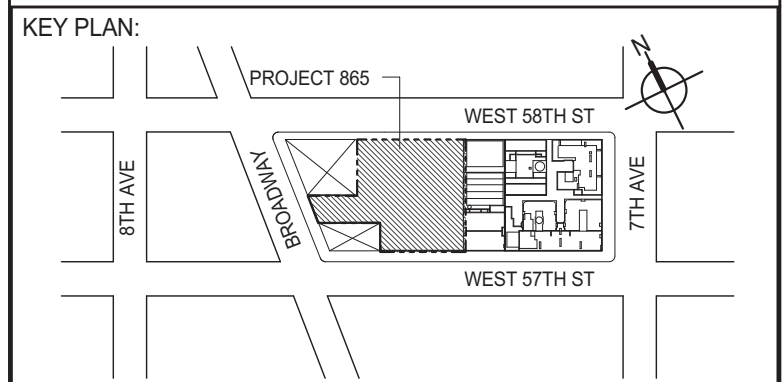
DOB EMPLOYEE STAMP:

Damian Titus
 Buildings
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1 28TH FLOOR FRAMING PLAN
 SCALE: 3/16" = 1'-0"

- NOTES:**
1. SLAB ELEVATION TO BE 530'-9" U.O.N.
 2. SLAB TO BE 12" THICK MIN. U.O.N. ON PLAN.
 3. BOTTOM SLAB REINFORCING TO BE #5@12 CONT. E.W. U.O.N.



PROJECT NORTH TRUE NORTH

DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
 805 THIRD AVENUE, 7TH FLOOR
 NEW YORK, NY 10022 USA
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5	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
6	CD PROGRESS ISSUE 1	10-15-2014
7	DOB SUBMISSION	12-19-2014

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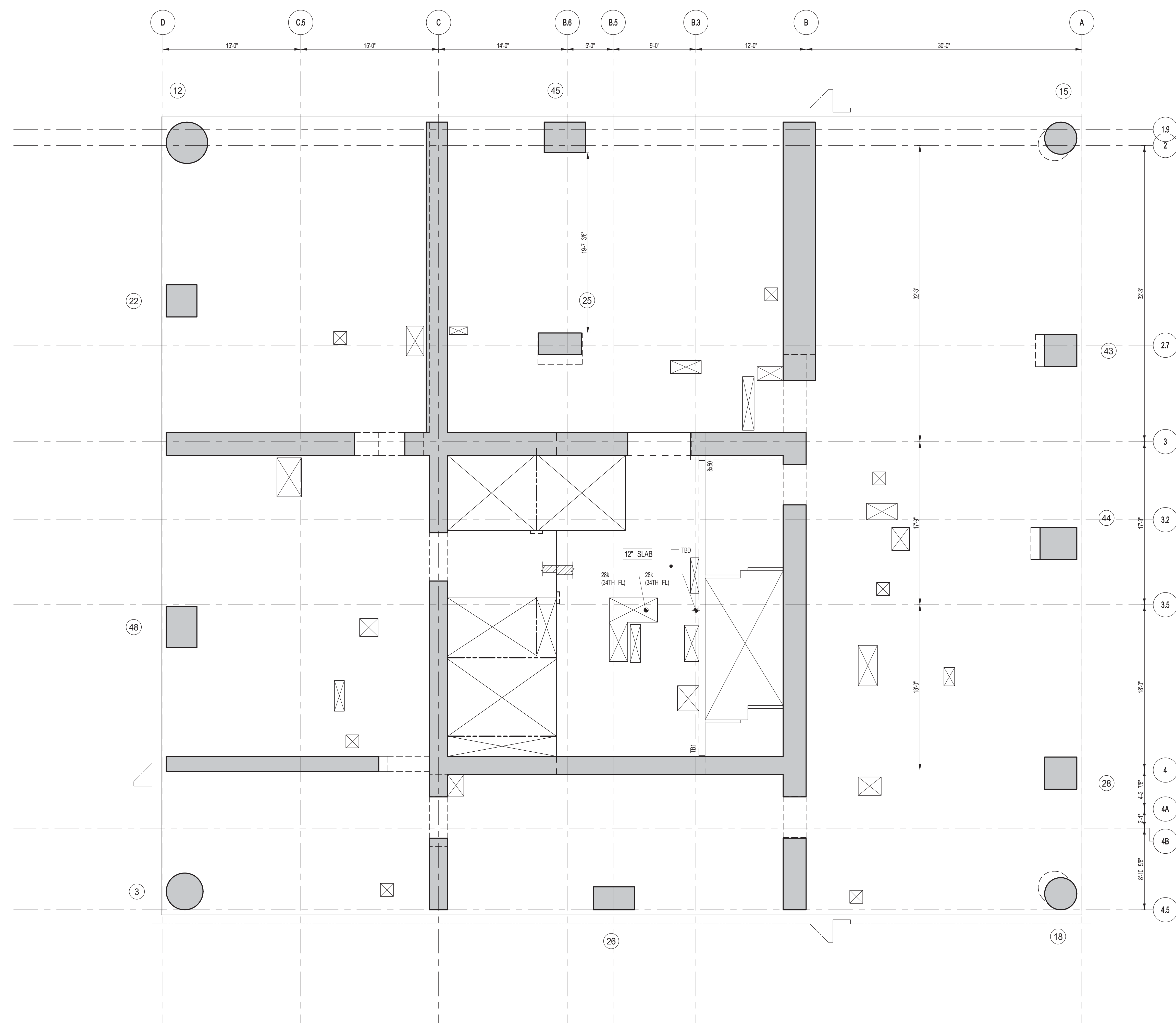
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 (212) 687-9888
 www.wspgroup.com/us

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

DRAWING TITLE: **28TH FLOOR - FRAMING PLAN**

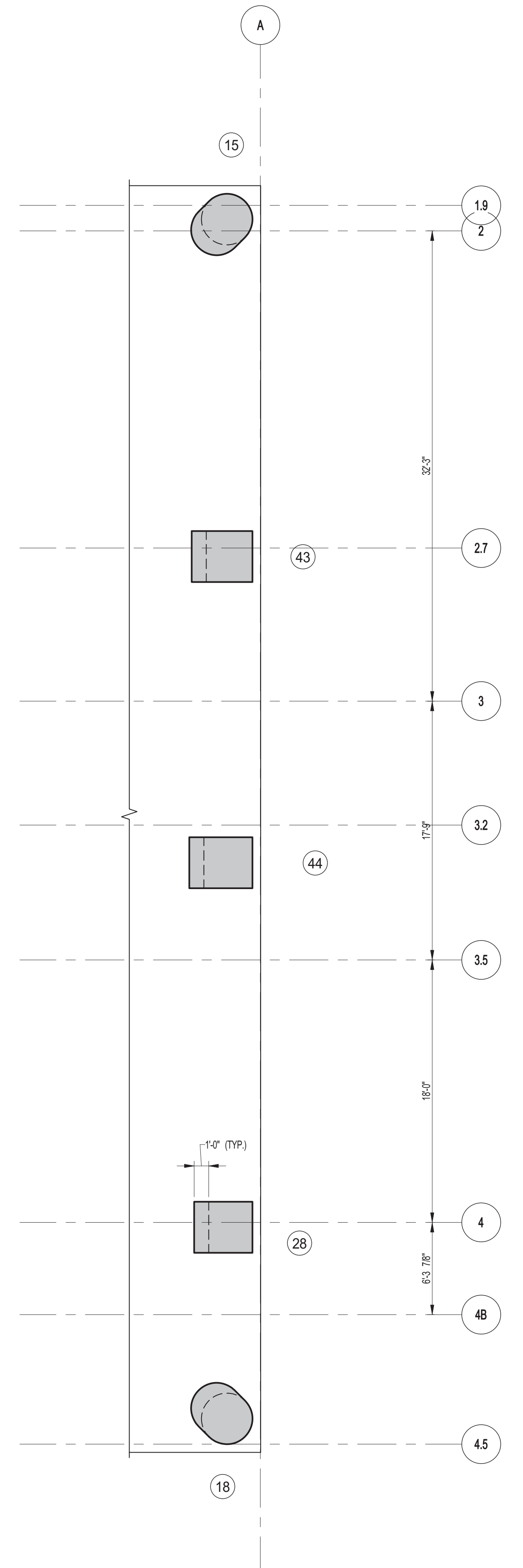
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DWG No:	S-240.00
DOB PAGE No: 50 OF 118	DOB S-SCAN:

DOB EMPLOYEE STAMP: **Damian Titus**
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 Date: 07/09/2015
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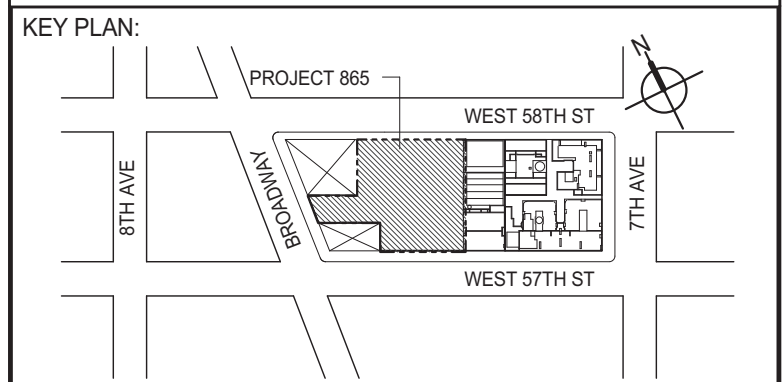
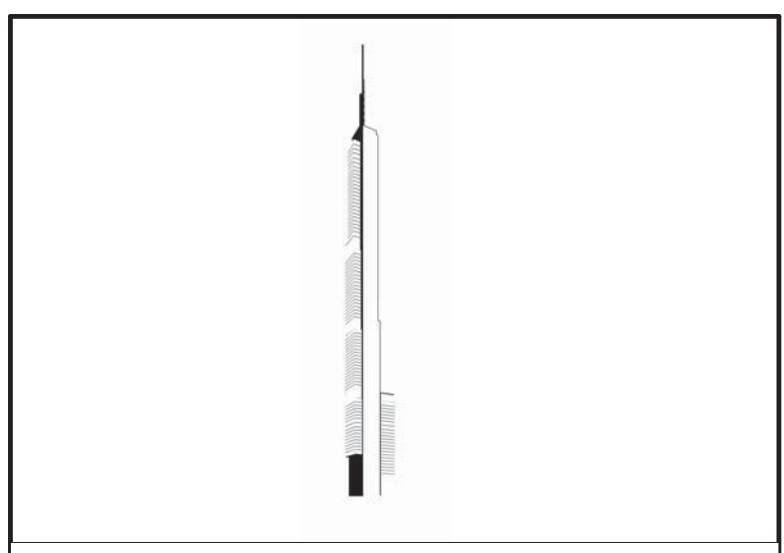


1 29TH-45TH FLOOR FRAMING PLAN
S-245 SCALE: 3/16" = 1'-0"

- NOTES:**
1. SLAB ELEVATION TO BE: 29TH FLOOR 546'-6" U.O.N.
30TH FLOOR 558'-3" U.O.N.
31ST FLOOR 570'-1" U.O.N.
32ND FLOOR 581'-11" U.O.N.
33RD FLOOR 593'-9" U.O.N.
34RD FLOOR 605'-7" U.O.N.
35TH FLOOR 617'-5" U.O.N.
36TH FLOOR 629'-3" U.O.N.
37TH FLOOR 641'-1" U.O.N.
38TH FLOOR 652'-11" U.O.N.
39TH FLOOR 664'-9" U.O.N.
40TH FLOOR 676'-7" U.O.N.
41ST FLOOR 688'-5" U.O.N.
42ND FLOOR 700'-3" U.O.N.
43RD FLOOR 712'-1" U.O.N.
44TH FLOOR 723'-11" U.O.N.
45TH FLOOR 735'-9" U.O.N.
 2. SLAB TO BE 4" THICK MIN. U.O.N. ON PLAN
 3. BOTTOM SLAB REINFORCEMENT TO BE: #4@2 CONT. E.W. FOR 4" SLAB U.O.N.
 4. FOR BALANCE OF NOTES, SEE DRAWING S-201.



2 PART PLAN AT 45TH FLOOR WALKING COLUMNS
S-245 SCALE: 3/16" = 1'-0"



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

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

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

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
AJAJ ARCHITECTS, P.C.
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Toronto, ON M5V 1E7 Canada
TEL: 416 967 1500 FAX: 416 967 7150

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

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

GEOTECHNICAL ENGINEERS: Langan Engineering & Environmental Services
21 Penn Plaza - 360 West 31st Street, 9th Floor
New York, NY 10001-2727
TEL: 212 479 5400 FAX: 212 479 5444

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

CURTAINWALL CONSULTANT: A.J.P. Consulting
40 Worth Street, Suite 826
New York, NY 10013
TEL: 212 757 8559 FAX: 646 219 8508

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

No.	DESCRIPTION	DATE
1	SUPERSTRUCTURE CONCRETE BID	06-02-2014
2	DESIGN DEVELOPMENT	07-01-2014
3	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
4	CD PROGRESS ISSUE 1	10-15-2014
5	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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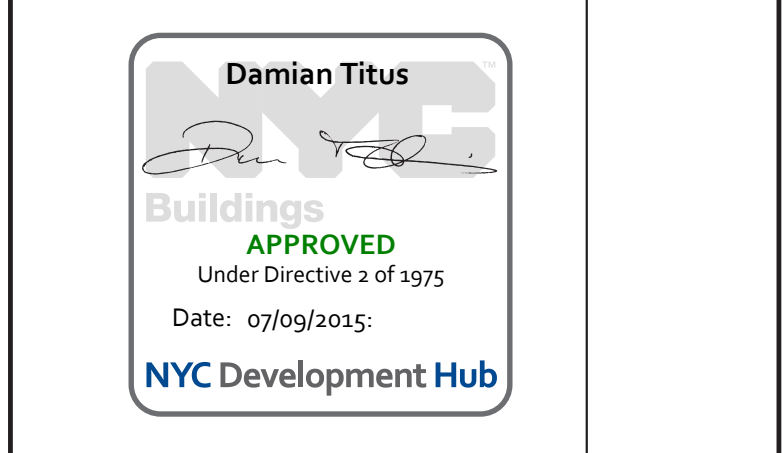
CONSULTANT: WSP
228 East 45th Street
New York, NY 10017
(212) 687-9888
www.wspgroup.com/us

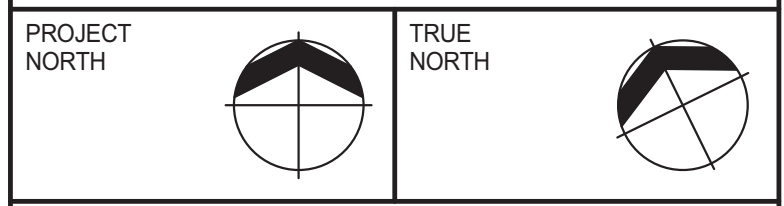
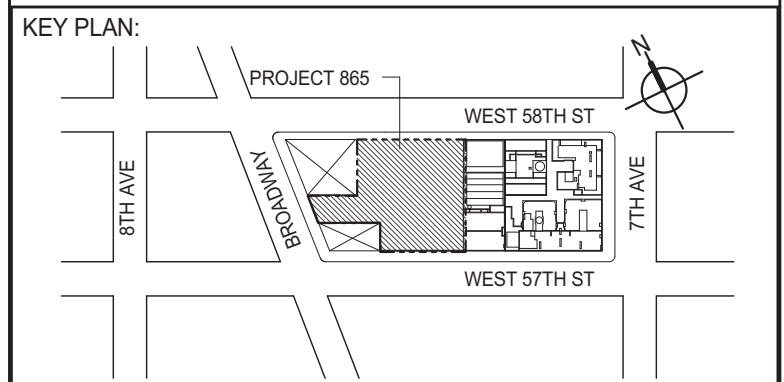
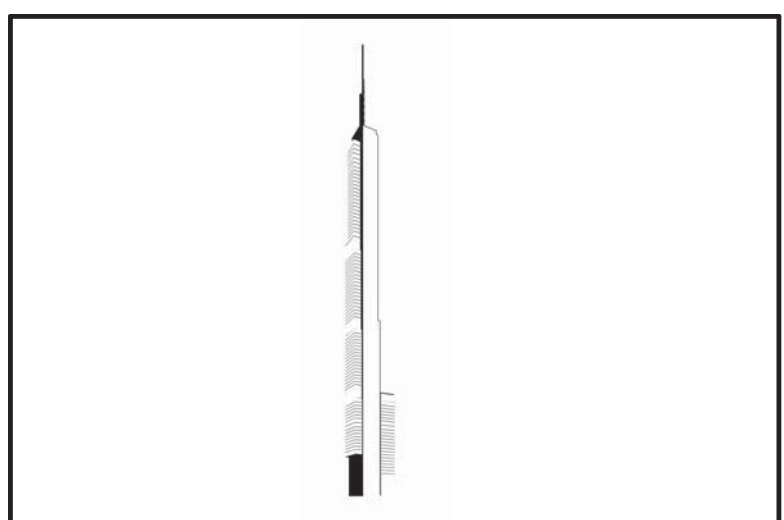
PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE: 29TH-45TH FLOORS - FRAMING PLAN

DATE: 06-02-2014	PROJECT No: 2012185
DRAWN: CAD	REV: 5
CHK: YE	SCALE: As indicated
DWG No:	
S-245.00	
DOB PAGE No: 51 OF 118	DOB S-CAN:

DOB EMPLOYEE STAMP: Damian Titus





DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
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LANDMARK/PRESERVATION CONSULTANT: **Jan Hind Pokorny Associates, Inc.**
39 West 37th Street, 12A
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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	SUPERSTRUCTURE CONCRETE BID	06-02-2014
4	DESIGN DEVELOPMENT	07-01-2014
5	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
6	CD PROGRESS ISSUE 1	10-15-2014
7	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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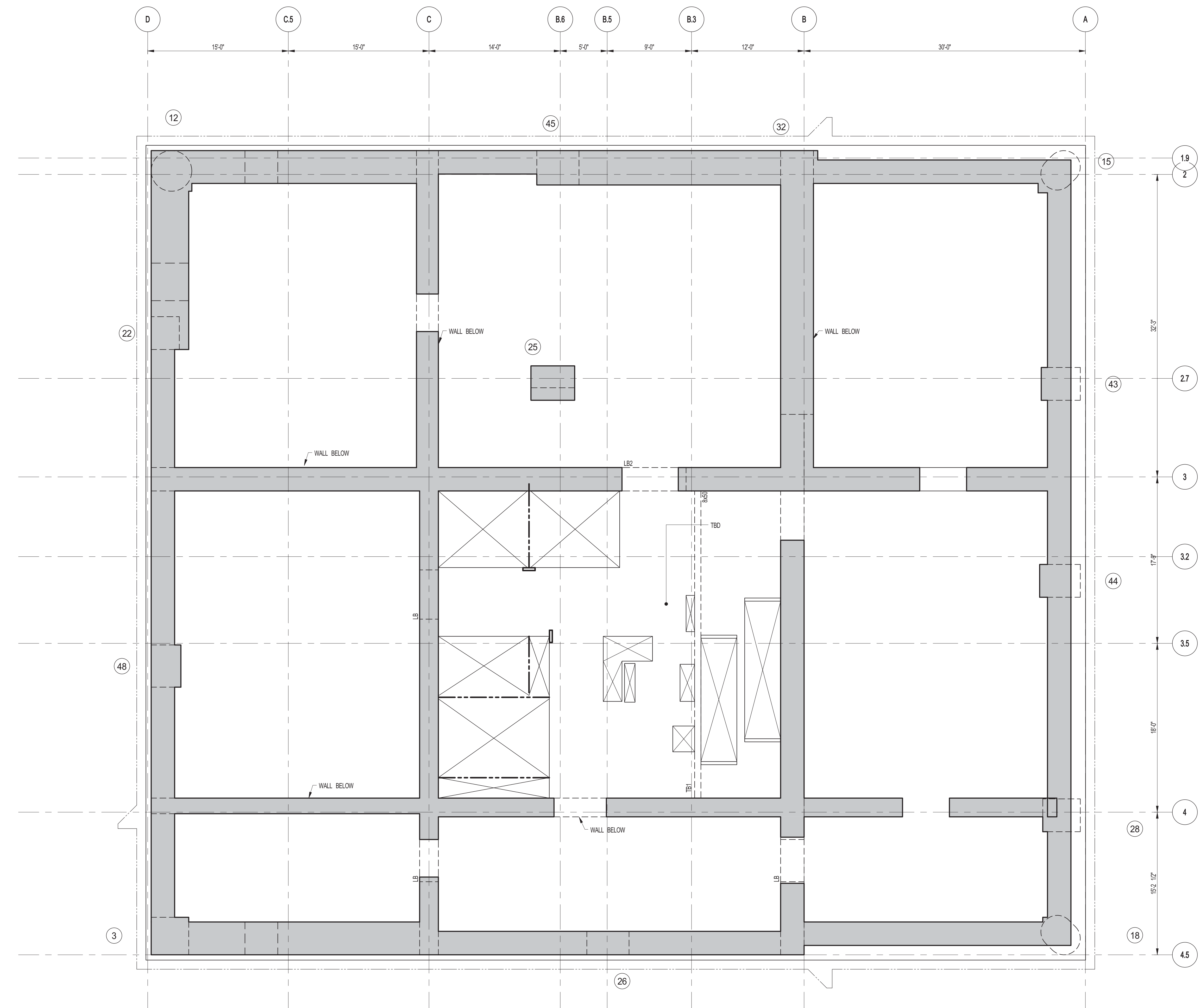
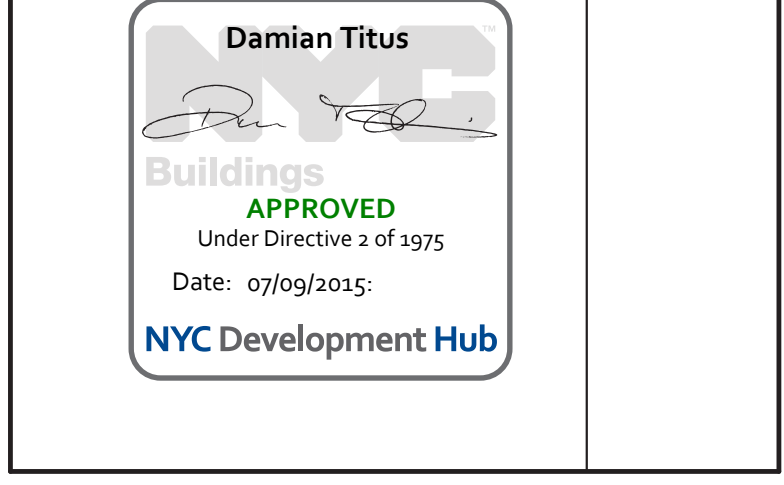
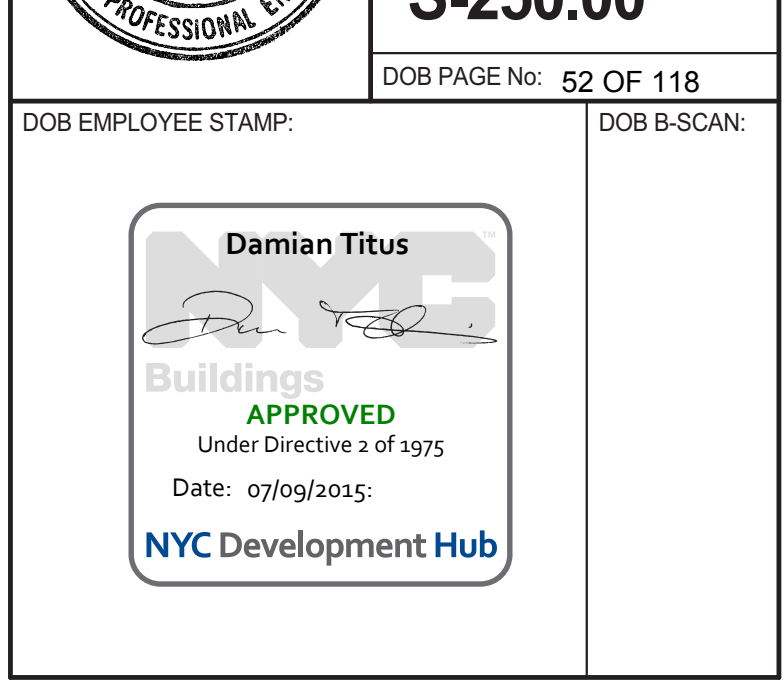
ALL DIMENSIONS ARE SHOWN IN IMPERIAL.
CONSULTANT: **WSP**
228 East 45th Street
New York, NY 10017
(212) 687-9888
www.wspgroup.com/us

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

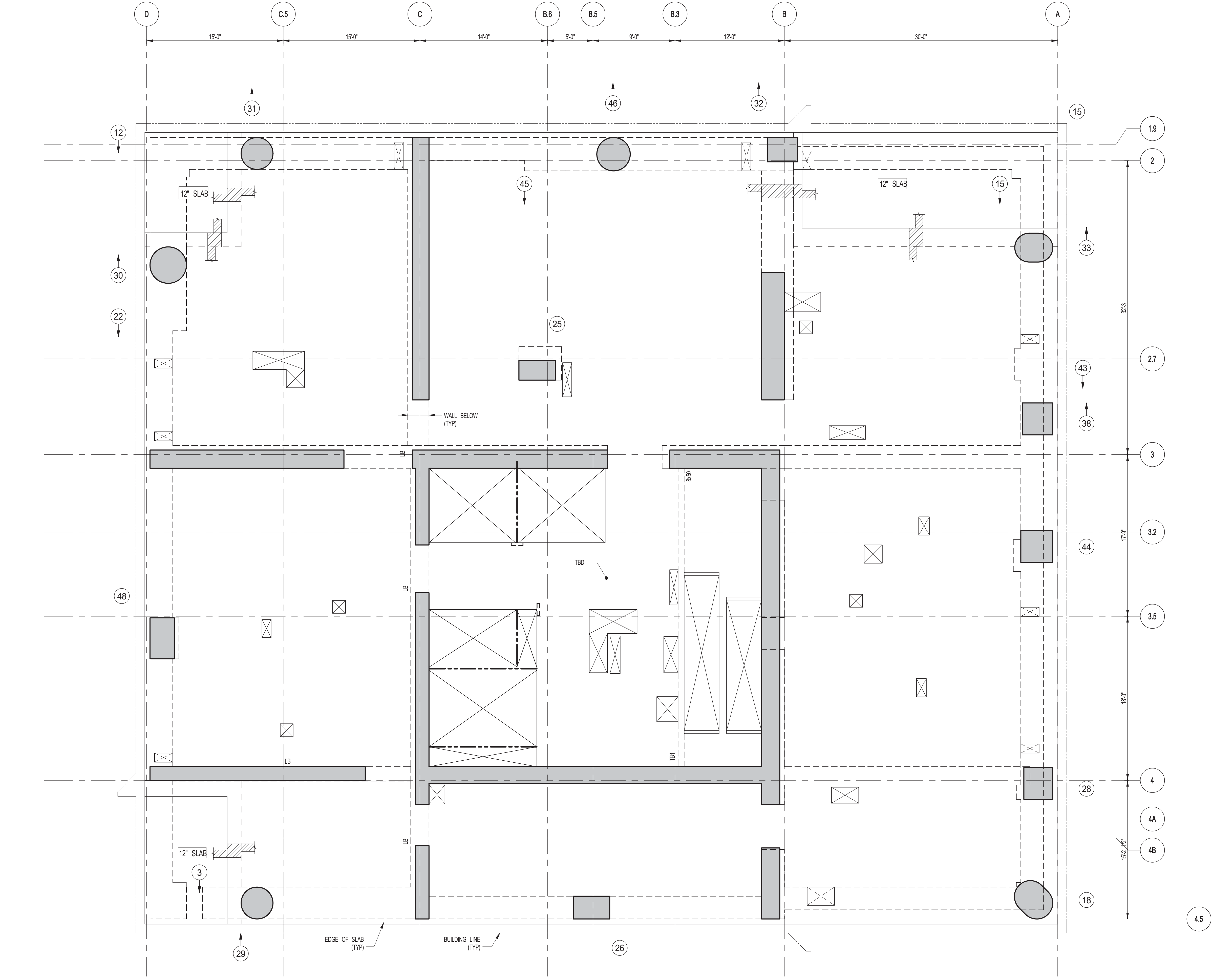
DRAWING TITLE: **46TH FLOOR (MEP) - FRAMING PLAN**

SEAL & SIGNATURE: PROJECT No: 2012185 DATE: 03-31-2014
DRAWN: CADDO REV: 7
CHK: YE
SCALE: As indicated
DWG No: **S-250.00**

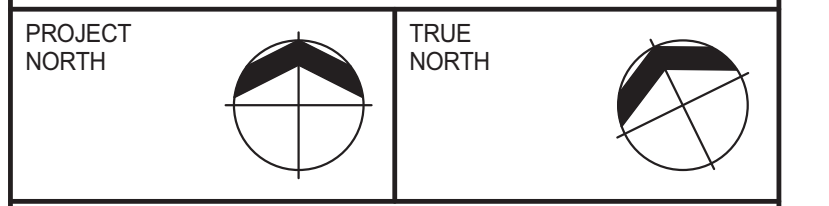
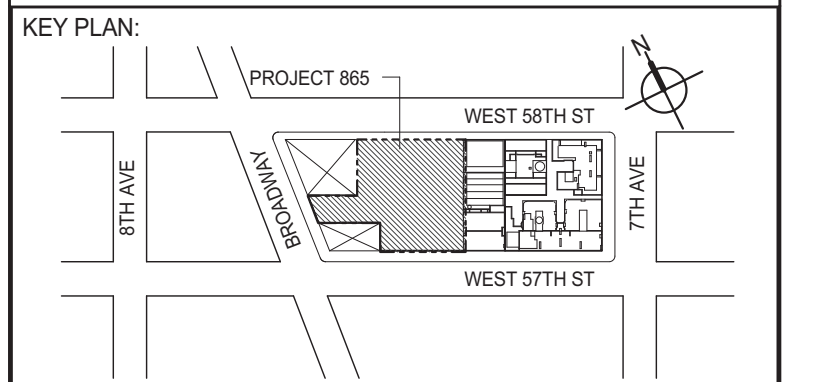
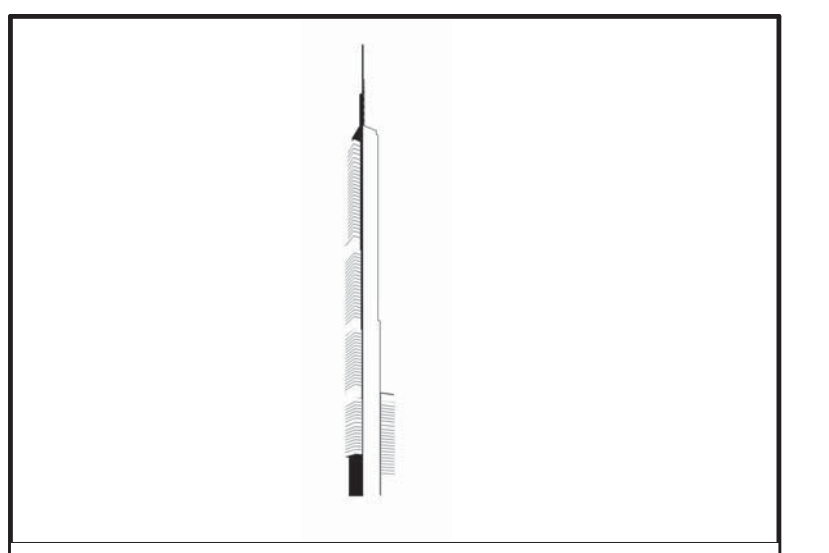
DOB PAGE No: 52 OF 118
DOB EMPLOYEE STAMP: **Damian Titus**
DOB 5-SCAN:



1 46TH FLOOR MEP FRAMING PLAN
SCALE: 3/16" = 1'-0"
S-250
NOTES:
1. SLAB ELEVATION TO BE 752'-0" U.O.N.
2. SLAB TO BE 12" THICK MIN. U.O.N. ON PLAN.
3. BOTTOM SLAB REINFORCING TO BE #6@12 CONT. E.W. U.O.N.



1
S-255
47TH FLOOR FRAMING PLAN
SCALE: 3/16" = 1'-0"
NOTES:
1. ISLAB ELEVATION TO BE 779'-0" U.O.M.
2. SLAB TO BE 12" THICK MIN. U.O.M. ON PLAN.
3. BOTTOM SLAB REINFORCING TO BE #8@12 CONT. EV. U.O.M.



DEVELOPER:
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805 THIRD AVENUE, 7TH FLOOR
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111 WEST MONROE STREET SUITE 2300
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Jan Hind Pokorny Associates, Inc.
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TEL: 212 759 6452 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	SUPERSTRUCTURE CONCRETE BID	06-02-2014
4	DESIGN DEVELOPMENT	07-01-2014
5	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
6	CD PROGRESS ISSUE 1	10-15-2014
7	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
8	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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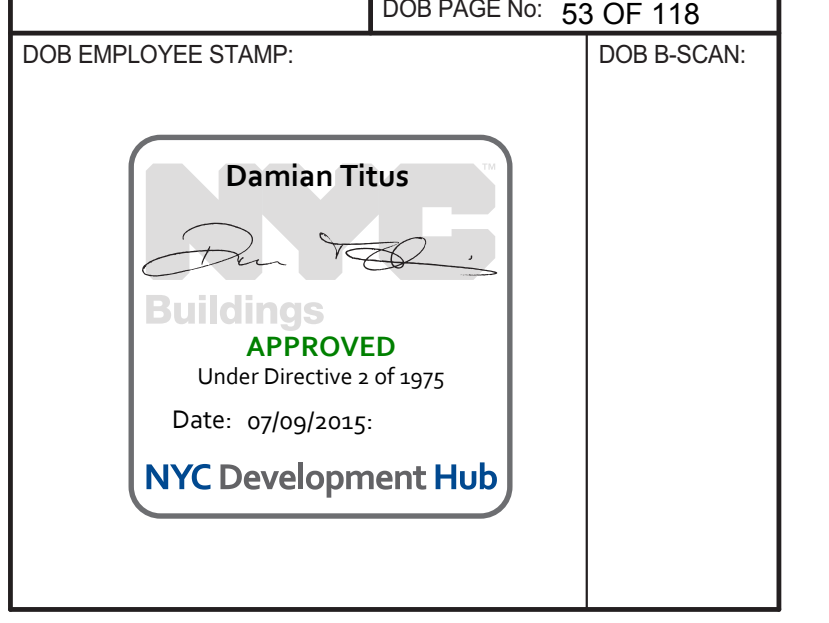
ALL DIMENSIONS ARE SHOWN IN IMPERIAL.
CONSULTANT:
WSP
228 East 45th Street
New York, NY 10017
(212) 687-9888
www.wspgroup.com/us

PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:
47TH FLOOR - FRAMING PLAN

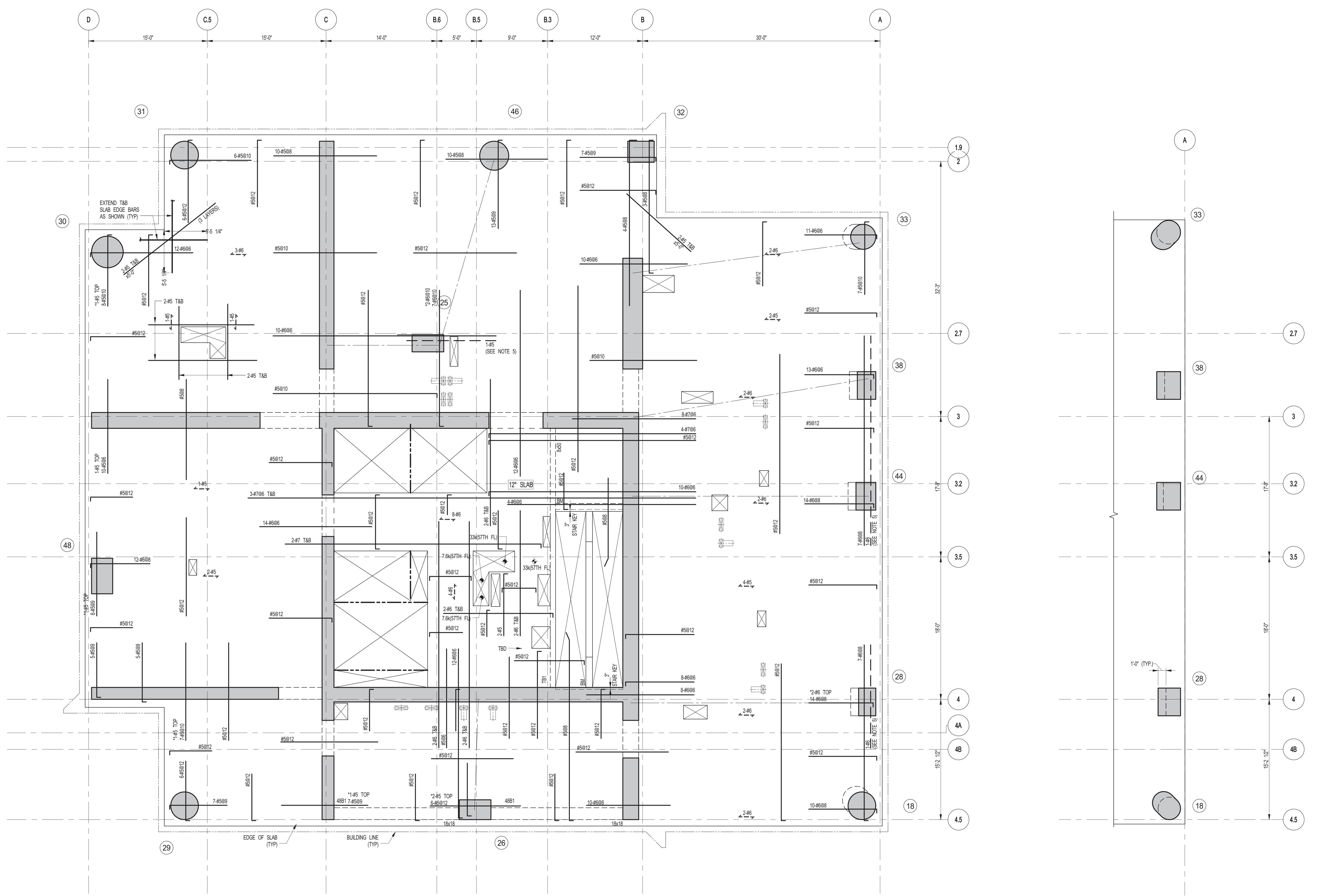
SEAL & SIGNATURE: [Signature] **DATE:** 03-31-2014
PROJECT No: 2012185
DRAWN: CADDO **REV:**
CHK: YE **8**
SCALE: As indicated
DWG No:
S-255.00

DOB PAGE No: 53 OF 118
DOB EMPLOYEE STAMP: [Stamp] **DOB S-SCAN:**



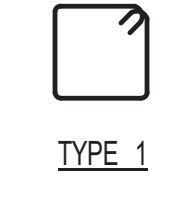
SEE MEASUREMENT SHEET FOR SIZE

FILE NAME: 20120104_115720.NAM
PLT NUMBER: 20120104_115720.NAM



1 48TH TO 66TH FLOOR FRAMING PLAN
S-260 SCALE: 3/16" = 1'-0"

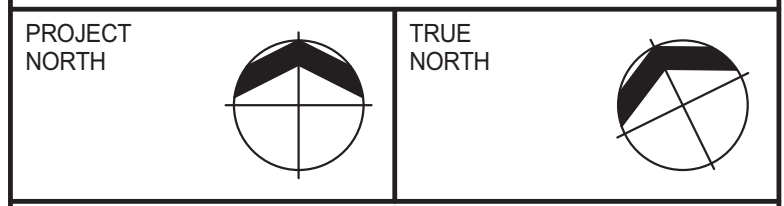
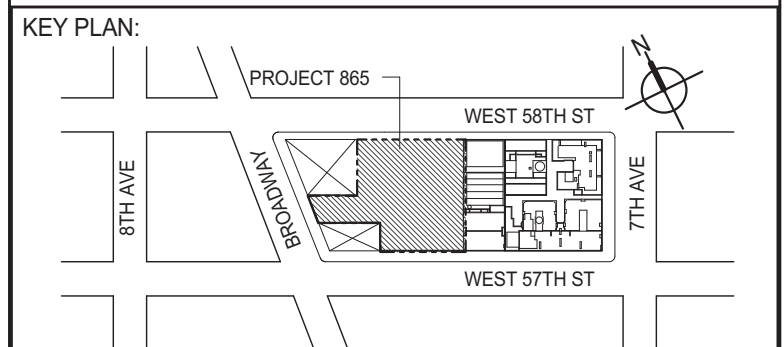
48TH FLOOR BEAM SCHEDULE										
BEAM MARK	WIDTH	DEPTH	REINFORCEMENT		ADDL BARS AT SUPPORT	STIRRUPS	TYPE	SIZE	SPACING	REMARKS
			BOTTOM CONTINUOUS	TOP CONTINUOUS						
48B1	18	18	3-47	5-47		#4	#4	8		



TYPE 1

- NOTES**
1. TSLAB ELEVATION TO BE: 48TH FLOOR 789'-7"
49TH FLOOR 801'-5"
50TH FLOOR 814'-3"
51ST FLOOR 827'-1"
52ND FLOOR 839'-11"
53RD FLOOR 852'-9"
54TH FLOOR 865'-7"
55TH FLOOR 878'-5"
56TH FLOOR 891'-3"
57TH FLOOR 904'-1"
58TH FLOOR 916'-11"
59TH FLOOR 928'-9"
60TH FLOOR 942'-7"
61ST FLOOR 955'-5"
62ND FLOOR 968'-3"
63RD FLOOR 981'-1"
64TH FLOOR 993'-11"
65TH FLOOR 1006'-9"
66TH FLOOR 1019'-7"
 2. SLAB TO BE 9" THICK MIN. U.O.N. ON PLAN
 3. BOTTOM SLAB REINFORCEMENT TO BE:
#5@12 CONT. EW FOR 9" SLAB U.O.N.
#5@12 CONT. EW FOR 12" SLAB U.O.N.
 4. FOR BALANCE OF INFORMATION SEE S-201
 5. FOR STRUCTURE INTEGRITY REINF. ADDL. INFORMATION SEE S-470.

2 PART PLAN AT 66TH FLOOR WALKING COLUMNS
S-260 SCALE: 3/16" = 1'-0"



DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
805 THIRD AVENUE, 7TH FLOOR
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TEL: 212 712 6000 FAX: 212 712 6100

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

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

ARCHITECT OF RECORD: **Base Building Shell, Core, & Residential**
AJM ARCHITECTS, P.C.
401 Wellington St. W., 3rd Floor
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STRUCTURAL ENGINEERS: **WSP**
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MEP ENGINEERS: **AKF GROUP**
1501 Broadway
New York, NY 10036 USA
TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS: **Langan Engineering & Environmental Services**
21 Penn Plaza - 360 West 31st Street, 9th Floor
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TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS: **Construction Consulting Associates**
100 Church Street
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CURTAINWALL CONSULTANT: **AJLP Consulting**
40 Worth Street, Suite 826
New York, NY 10013
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LANDMARK/PRESERVATION CONSULTANT: **Jan Hind Pokorny Associates, Inc.**
39 West 37th Street, 12A
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TEL: 212 759 6452 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
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5	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
6	CD PROGRESS ISSUE 1	10-15-2014
7	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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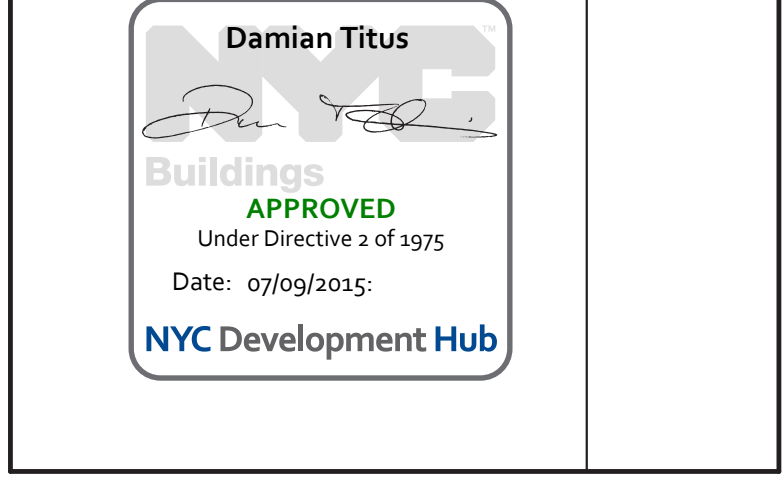
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CONSULTANT: **WSP**
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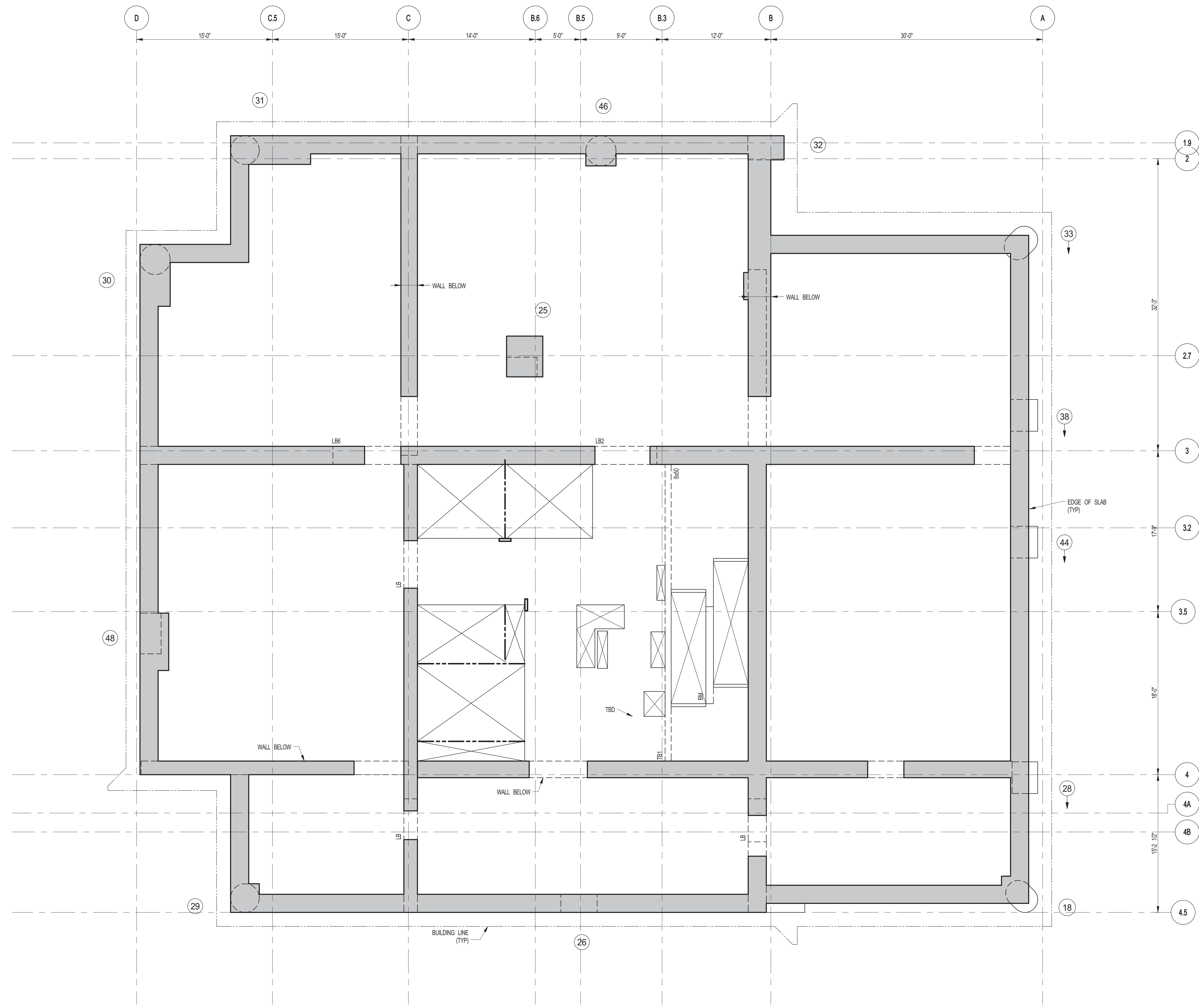
PROJECT: **217 WEST 57TH STREET
NEW YORK, NY**

DRAWING TITLE: **48TH-66TH FLOORS - FRAMING PLAN**

DATE: 03-31-2014	PROJECT No: 2012185
DRAWN: CAD	REV: 7
CHK: YE	SCALE: As indicated
DWG No: S-260.00	DOB PAGE No: 54 OF 118

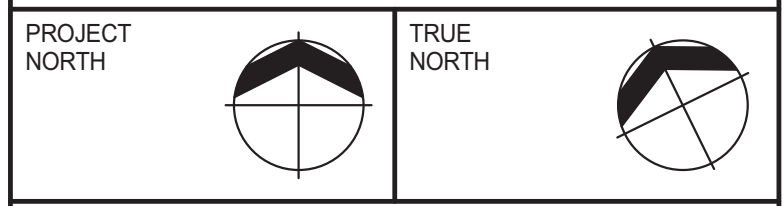
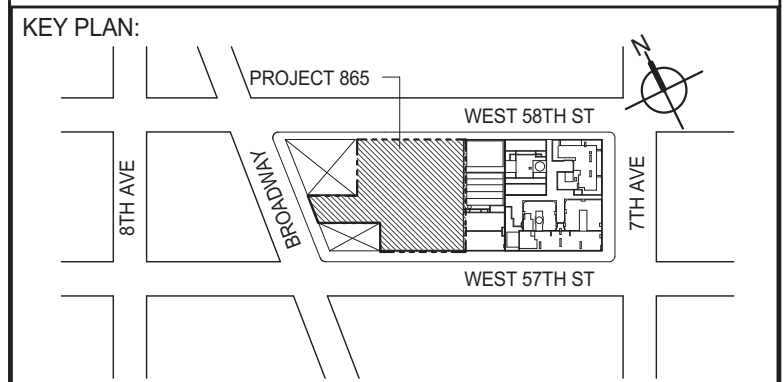
DOB EMPLOYEE STAMP: **Damian Titus**
DOB S-SCAN:





1 67TH FLOOR (MEP) FRAMING PLAN
SCALE: 3/16" = 1'-0"

- NOTES:**
1. SLAB ELEVATION TO BE 1035'-10" U.O.N.
 2. SLAB TO BE 12" THICK MIN. U.O.N. ON PLAN.
 3. BOTTOM SLAB REINFORCING TO BE #6@12 CONT. E.W. U.O.N.



DEVELOPER:
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INTERIOR DESIGNER: Residential
Rottet Architecture and Design Studio, PLLC
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ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
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3	SUPERSTRUCTURE CONCRETE BID	06-02-2014
4	DESIGN DEVELOPMENT	07-01-2014
5	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
6	CD PROGRESS ISSUE 1	10-15-2014
7	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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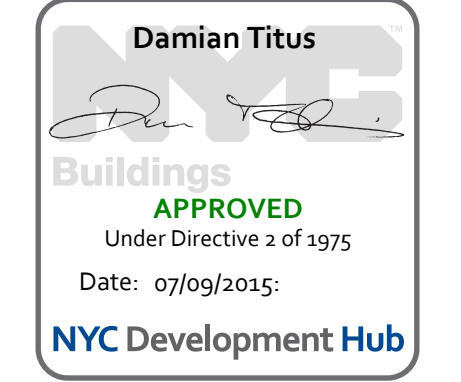
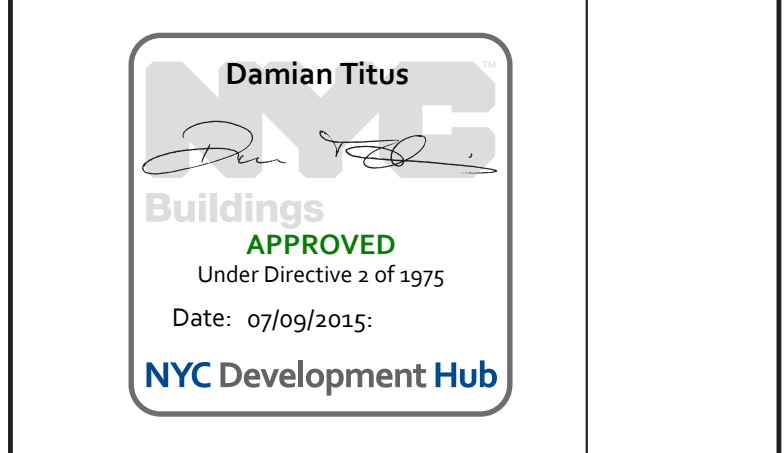
CONSULTANT:
WSP 228 East 45th Street
New York, NY 10017
(212) 687-9888
www.wspgroup.com/us

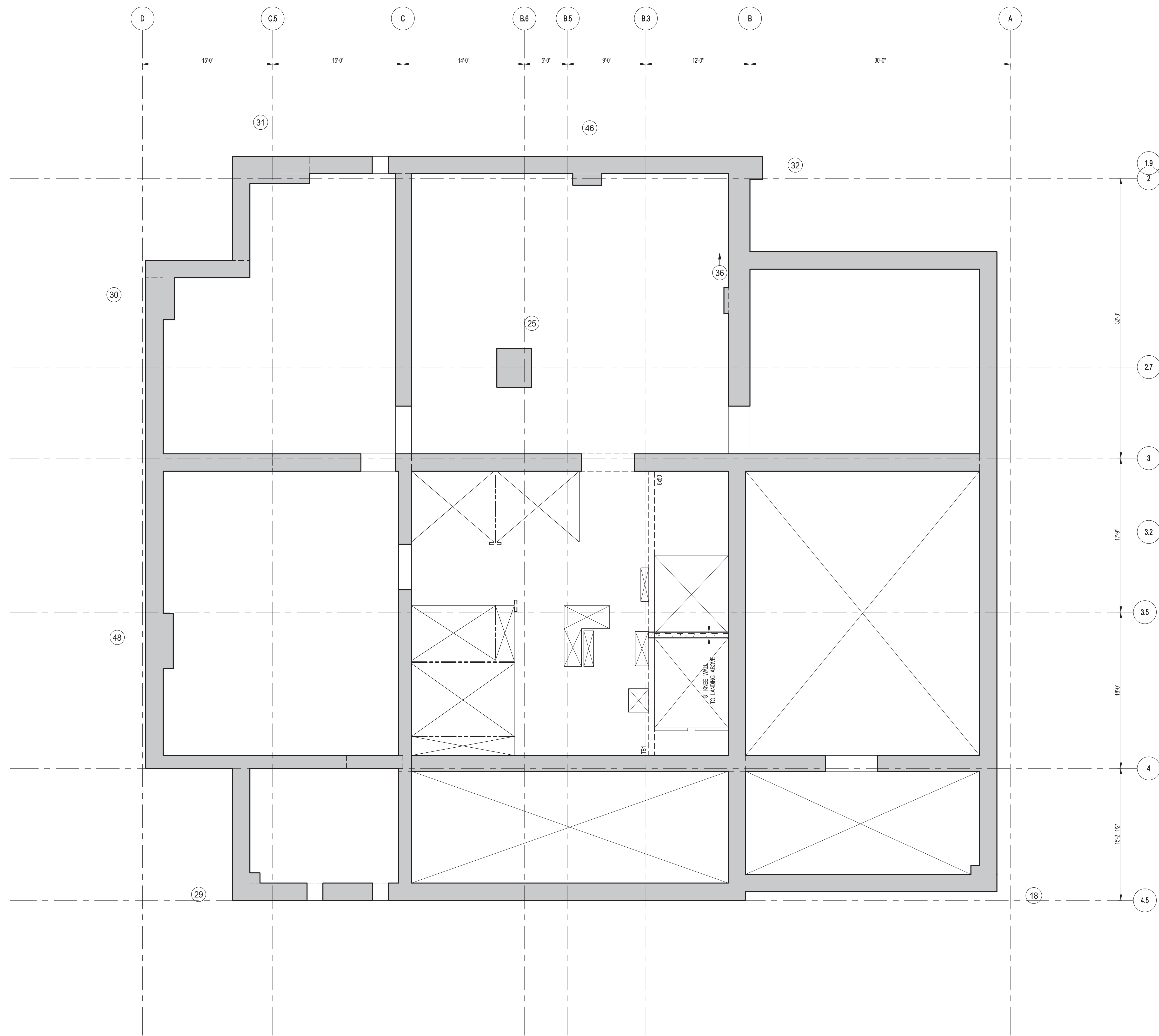
PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:
67TH FLOOR (MEP) - FRAMING PLAN

DATE:	03-31-2014
PROJECT No:	2012185
DRAWN: CAD	REV: 7
CHK: YE	
SCALE: As indicated	
DWG No:	S-265.00
DOB PAGE No:	55 OF 118

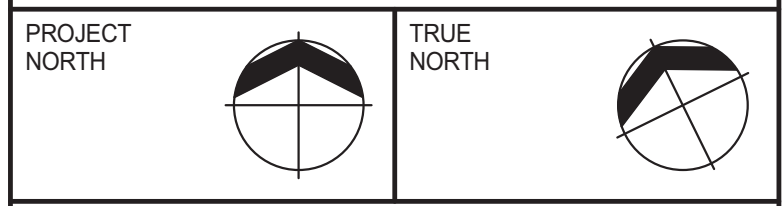
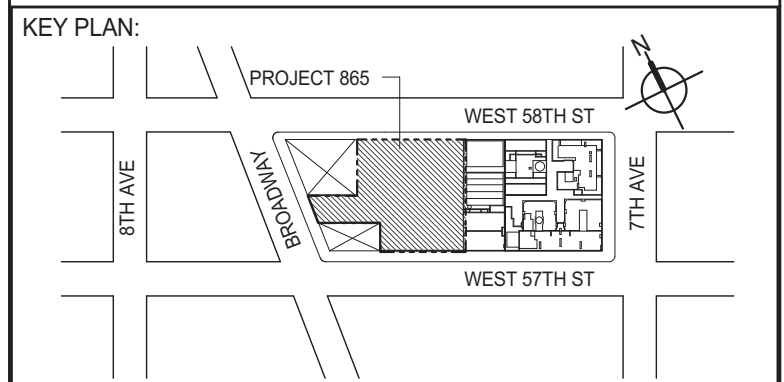
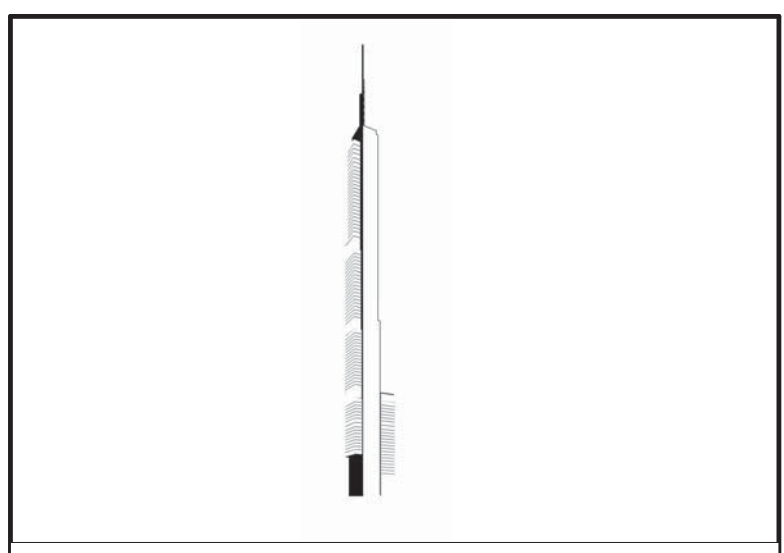
DOB EMPLOYEE STAMP: DOB S-SCAN:





1 67TH FLOOR MEZZANINE FRAMING PLAN
S-270 SCALE: 3/16" = 1'-0"

- NOTES:
 1. TRUSS ELEVATION TO BE 1025'-0" U.O.N.
 2. SLAB TO BE 12" THICK MIN. U.O.N. ON PLAN.
 3. BOTTOM SLAB REINFORCING TO BE #5@12 CONT. E.W. U.O.N.



DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
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 New York, NY 10001
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No.	DESCRIPTION	DATE
1	DESIGN DEVELOPMENT	07-01-2014
2	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
3	CD PROGRESS ISSUE 1	10-15-2014
4	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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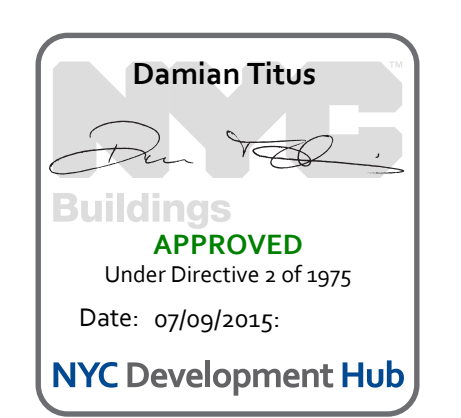
CONSULTANT:
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 New York, NY 10017
 (212) 687-9888
 www.wspgroup.com/usa

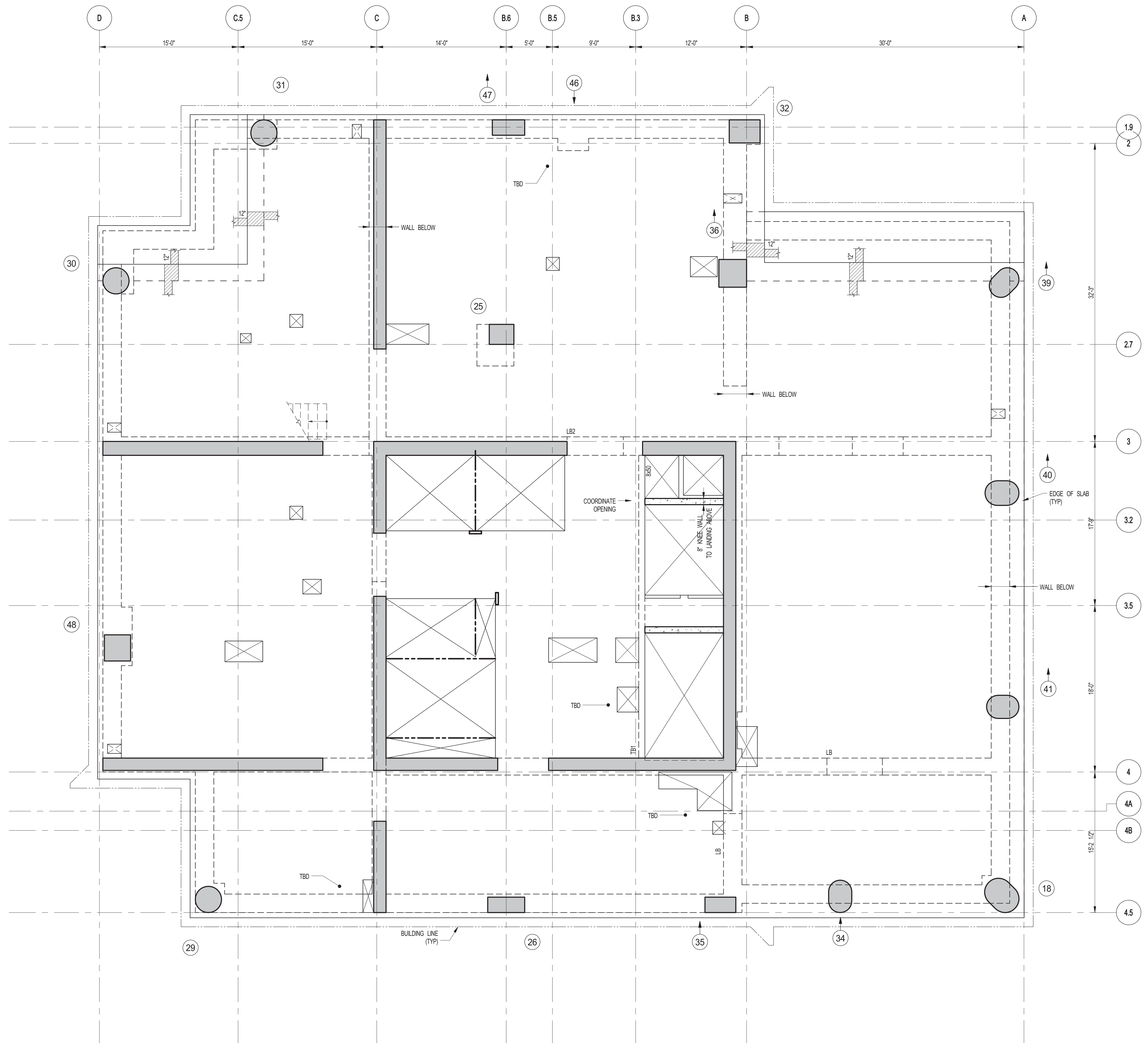
PROJECT:
217 WEST 57TH STREET
 NEW YORK, NY

DRAWING TITLE:
67TH FLOOR MEZZANINE - FRAMING PLAN

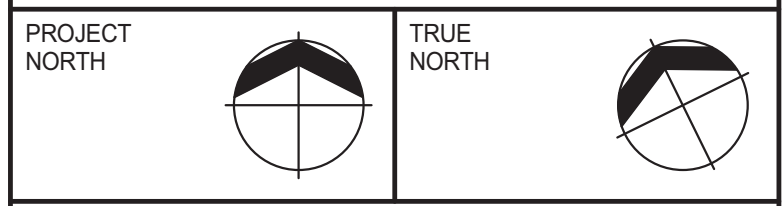
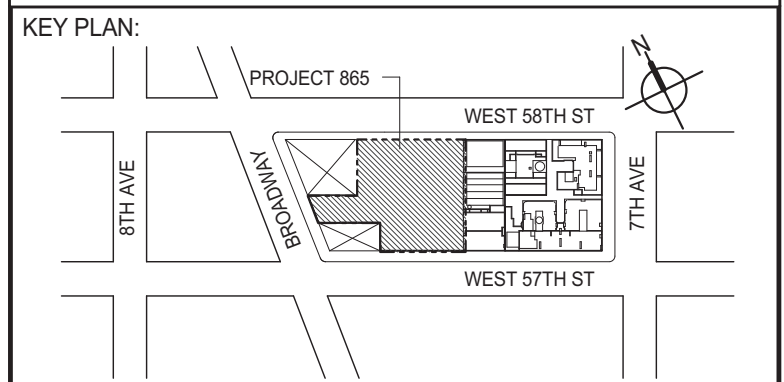
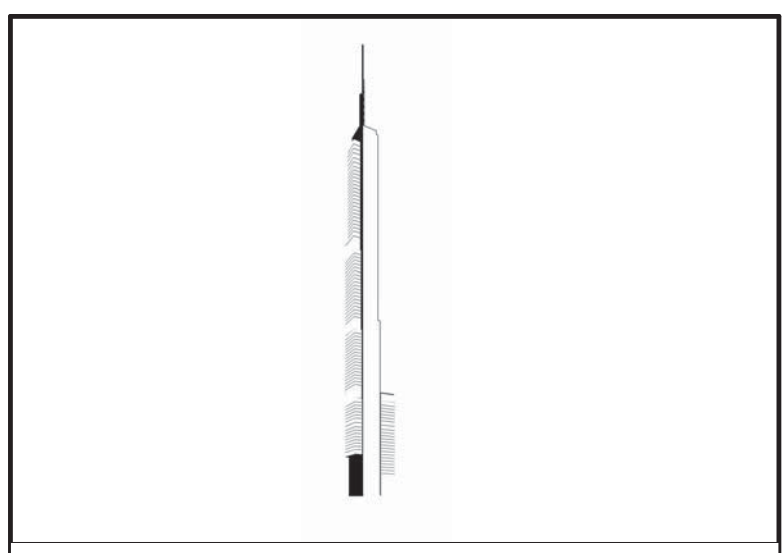
DATE: 07-01-2014	PROJECT No: 2012185
DRAWN: CADDO	REV: 4
CHK: YE	SCALE: As indicated
DWG No: S-270.00	DOB PAGE No: 56 OF 118

DOB EMPLOYEE STAMP: DOB S-SCAN:





1 68TH FLOOR FRAMING PLAN
 S-275 SCALE: 3/16" = 1'-0"
 NOTES:
 1. SLAB ELEVATION TO BE 1097.7' U.O.N.
 2. SLAB TO BE 12" THICK MIN. U.O.N. ON SLAN.
 3. BOTTOM SLAB REINFORCING TO BE #5@2 CONT. E.W. U.O.N.



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ADRIAN SMITH + GORDON GILL ARCHITECTURE
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INTERIOR DESIGNER: Residential
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 298 Fifth Ave, 7th Floor
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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	SUPERSTRUCTURE CONCRETE BID	06-02-2014
4	DESIGN DEVELOPMENT	07-01-2014
5	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
6	CD PROGRESS ISSUE 1	10-15-2014
7	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
8	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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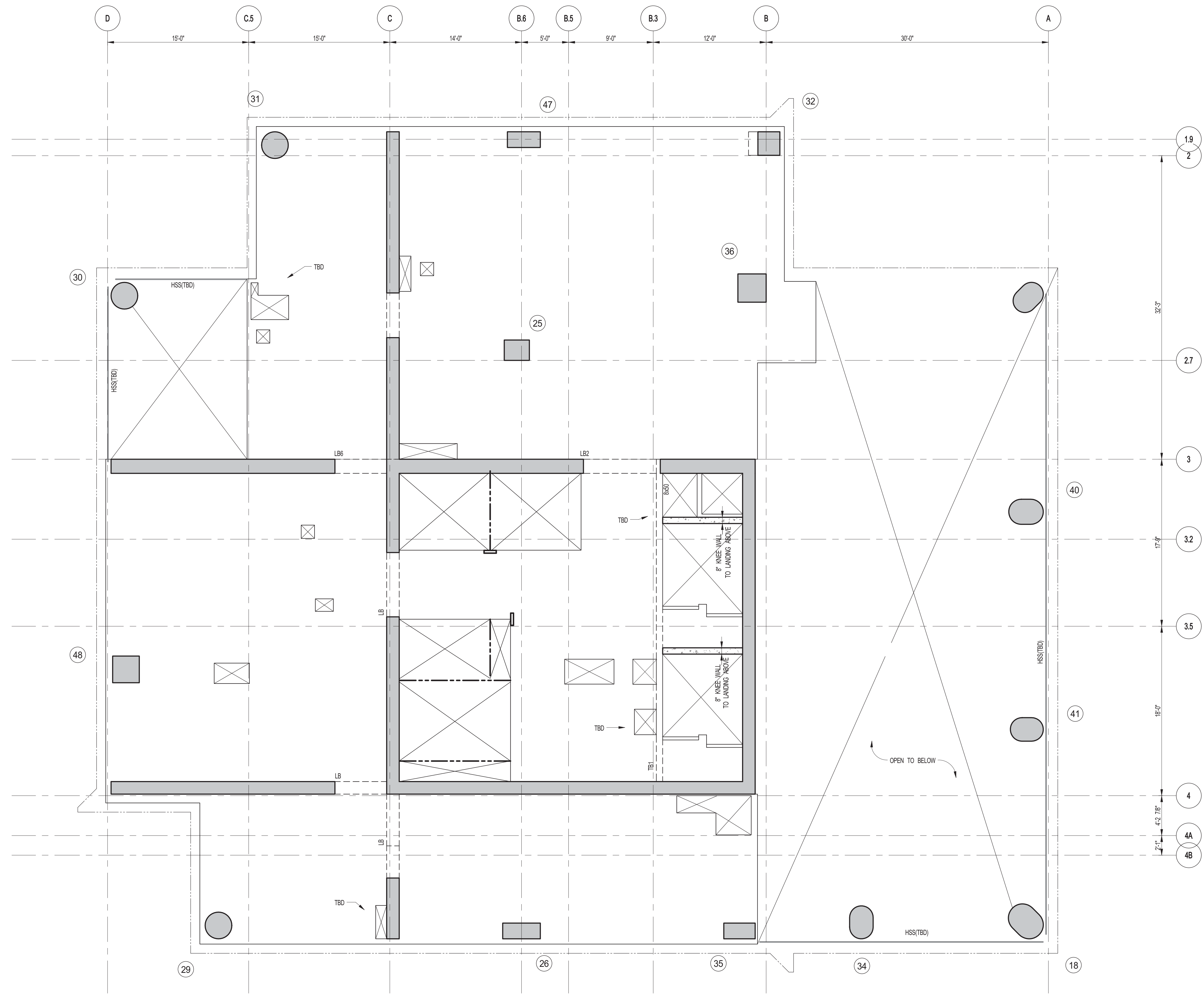
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PROJECT:
**217 WEST 57TH STREET
 NEW YORK, NY**

DRAWING TITLE:
68TH FLOOR - FRAMING PLAN

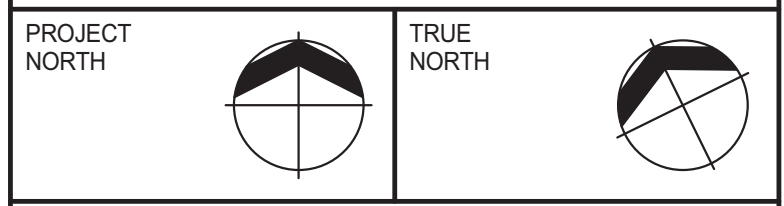
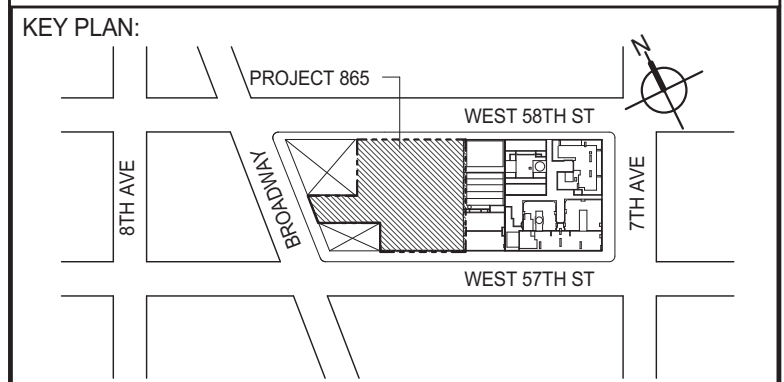
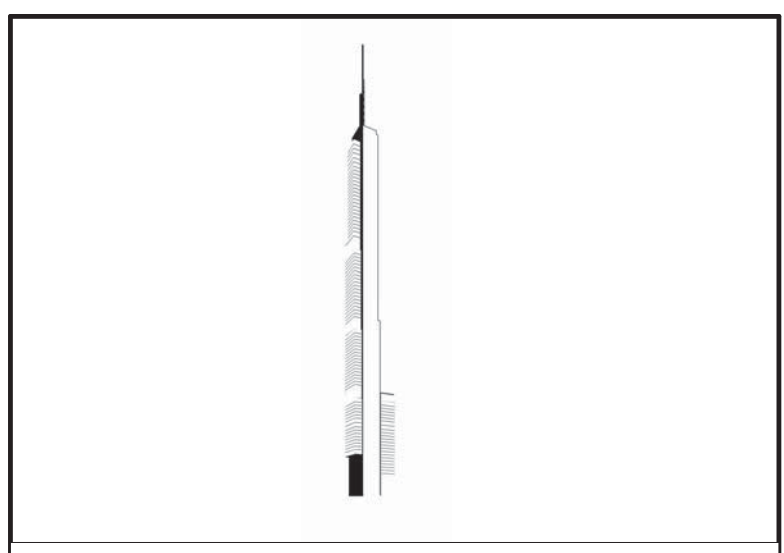
SEAL & SIGNATURE	DATE: 03-31-2014
	PROJECT No: 2012185
	DRAWN: CADDO REV: 8
	CHK: YE
	SCALE: As indicated
DWG No: S-275.00	DOB PAGE No: 57 OF 118

DOB EMPLOYEE STAMP: **Damian Titus**
 Buildings APPROVED Under Directive 2 of 1995
 Date: 07/09/2015
 NYC Development Hub



1 69TH FLOOR FRAMING PLAN
SCALE: 3/16" = 1'-0"

- NOTES:**
1. TOP-OF-FLOOR ELEVATION TO BE 1883'-7" U.O.N.
 2. SLAB TO BE 12" THICK MIN. U.O.N. ON PLAN.
 3. BOTTOM SLAB REINFORCING TO BE #8@12 CONT. E.W. U.O.N.



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805 THIRD AVENUE, 7TH FLOOR
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4	DESIGN DEVELOPMENT	07-01-2014
5	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
6	CD PROGRESS ISSUE 1	10-15-2014
7	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

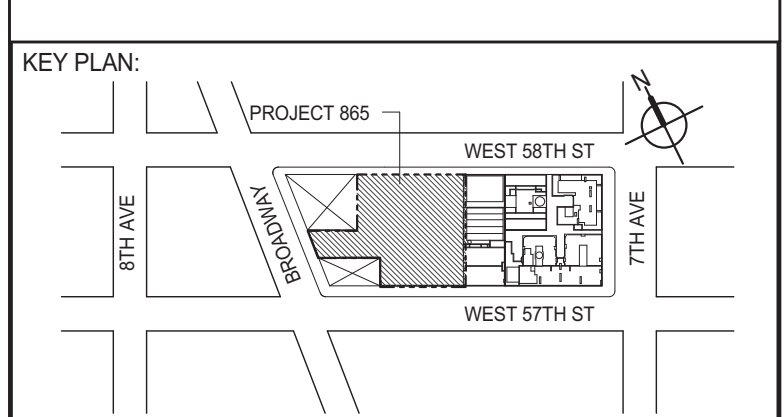
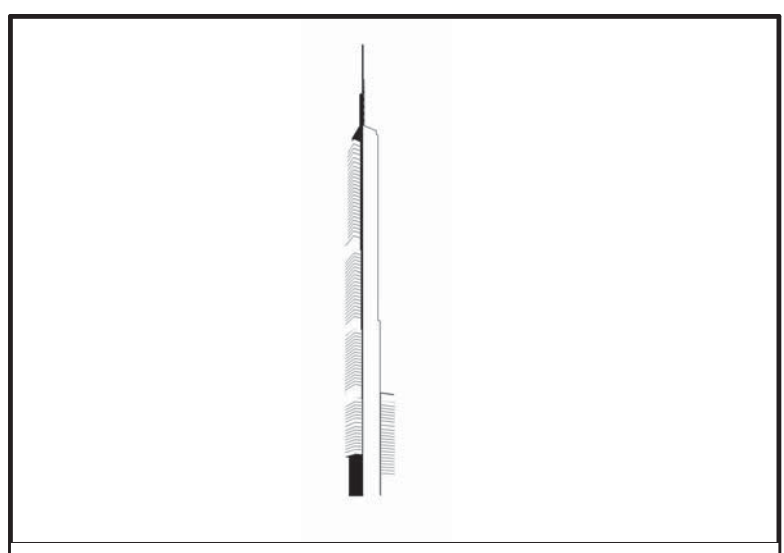
DRAWING TITLE:
69TH FLOOR - FRAMING PLAN

DATE:	03-31-2014
PROJECT No:	2012185
DRAWN: CAD	REV: 7
CHK: YE	
SCALE: As indicated	
DWG No:	S-280.00
DOB PAGE No:	58 OF 118

DOB EMPLOYEE STAMP: **Damian Titus**



APPROVED
Under Directive 2 of 1975
Date: 07/09/2015
NYC Development Hub



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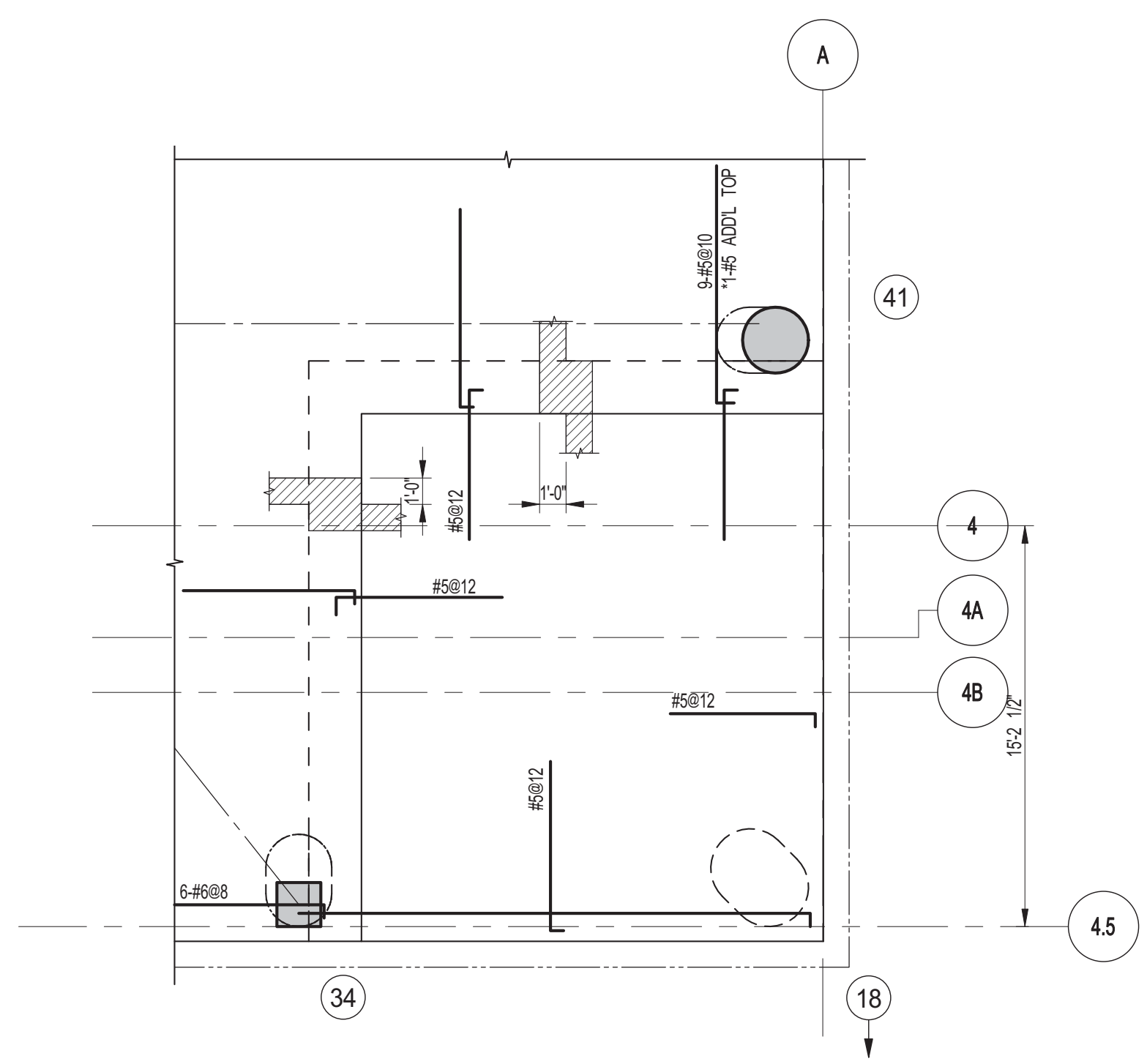
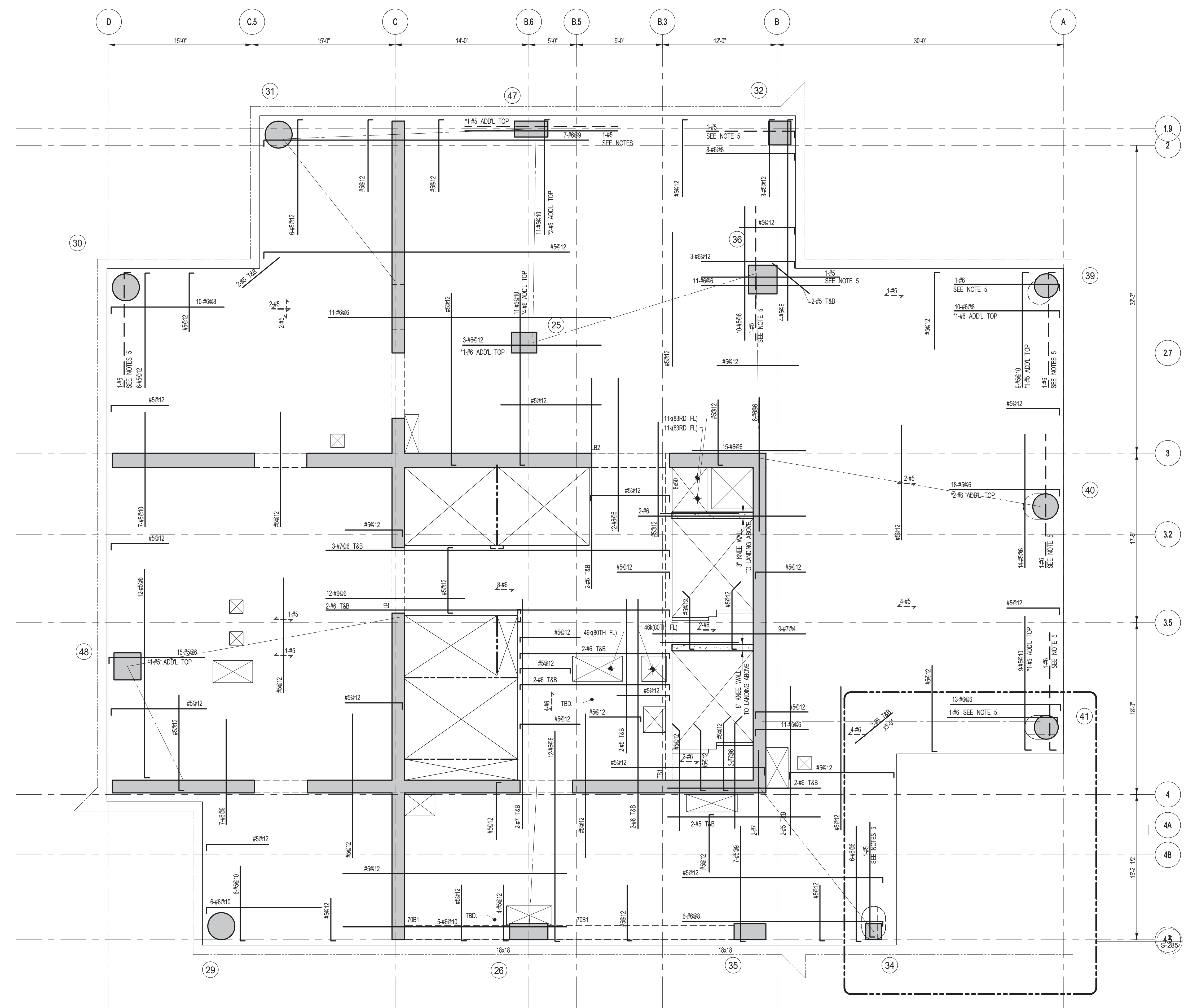
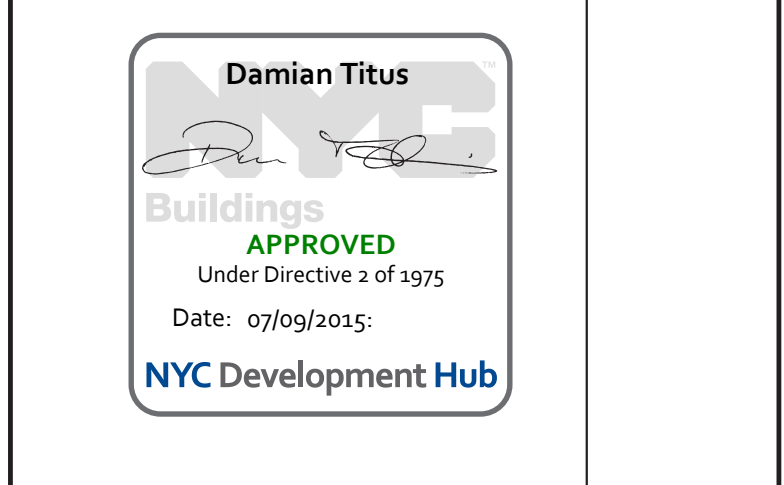
CONSULTANT:
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New York, NY 10017
TEL: (212) 687-9888
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PROJECT:
**217 WEST 57TH STREET
NEW YORK, NY**

DRAWING TITLE:
70TH-88TH FLOORS - FRAMING PLAN

SEAL & SIGNATURE: PROJECT No: 2012195
DATE: 03-31-2014
DRAWN: CADDO REV: 7
CHK: YE
SCALE: As indicated
DWG No: S-285.00

DOB EMPLOYEE STAMP: DOB PAGE No: 59 OF 118 DOB SCAN:

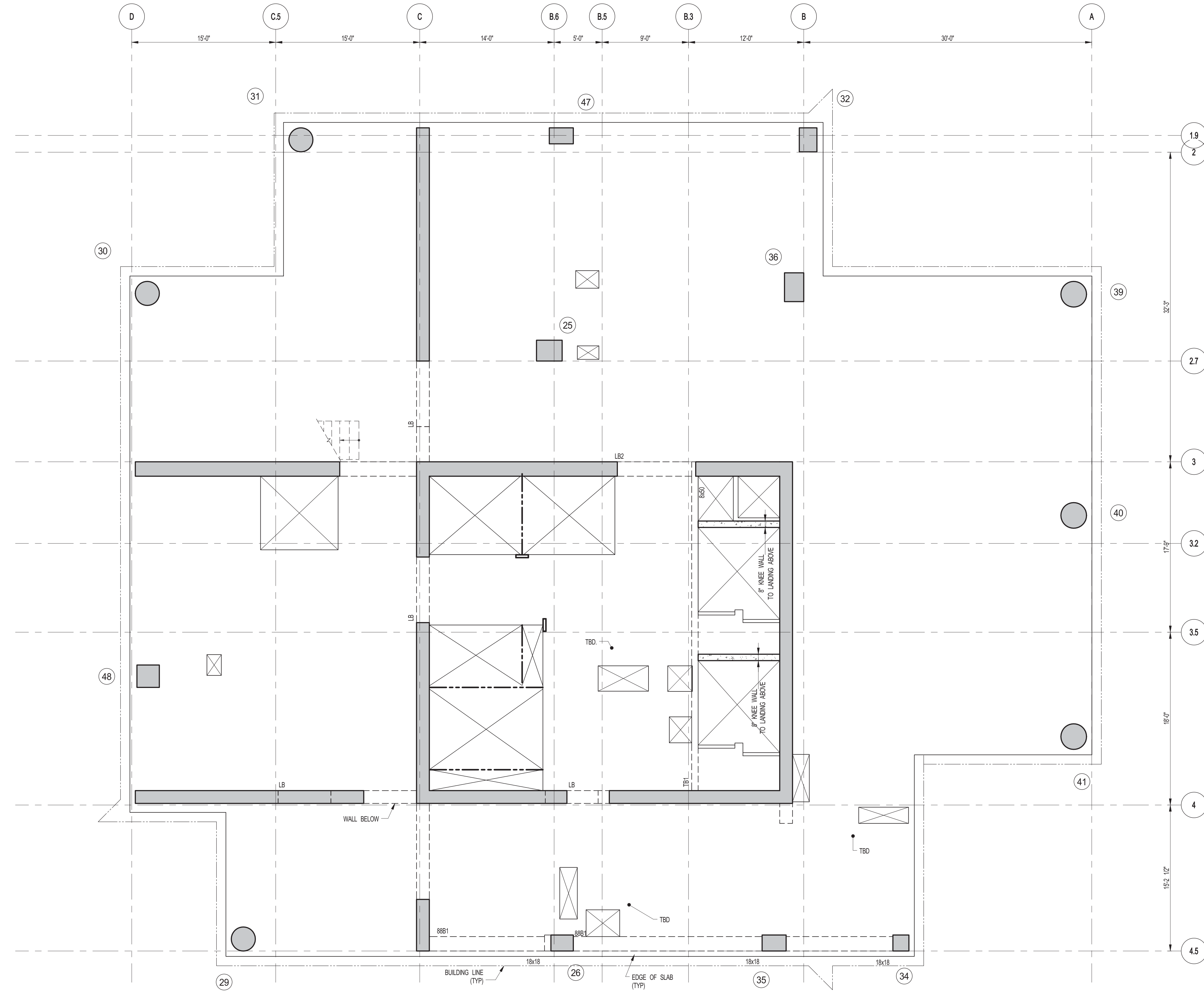


2 PART PLAN @ 70TH FLOOR
SCALE: 3/16" = 1'-0"

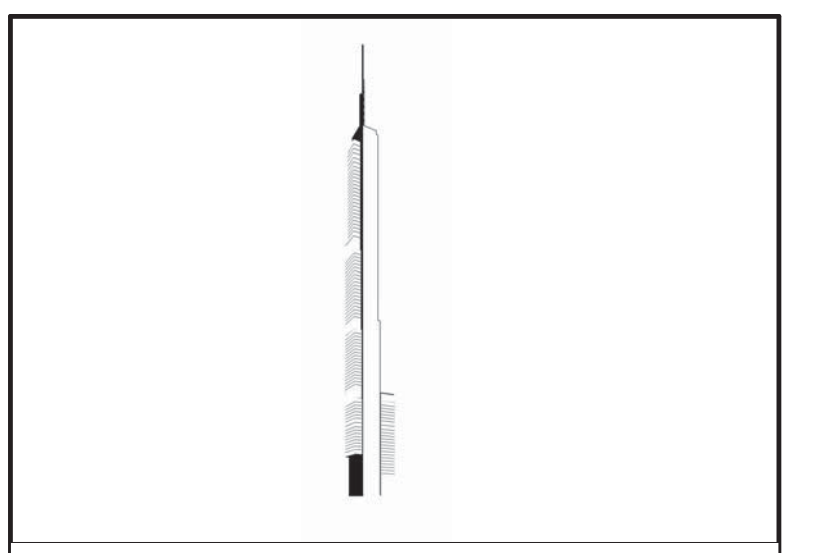
1 70TH TO 88TH FLOOR FRAMING PLAN
SCALE: 3/16" = 1'-0"

BEAM MARK	WIDTH	DEPTH	REINFORCEMENT		TOP ADDL BARS AT SUPPORT	STIRRUPS			REMARKS
			BOTTOM CONTINUOUS	TOP CONTINUOUS		TYPE	SIZE	SPACING	
70B1	18	18	3-47	3-47		1	#4	#6	

- NOTES:
1. SLAB ELEVATION TO BE: 70TH FLOOR 1099'-7"
71ST FLOOR 1122'-0"
72ND FLOOR 1128'-0"
73RD FLOOR 1138'-1"
74TH FLOOR 1150'-11"
75TH FLOOR 1163'-0"
76TH FLOOR 1176'-7"
77TH FLOOR 1189'-5"
78TH FLOOR 1202'-3"
79TH FLOOR 1215'-1"
80TH FLOOR 1227'-11"
81ST FLOOR 1240'-0"
82ND FLOOR 1253'-7"
83RD FLOOR 1266'-5"
84TH FLOOR 1279'-3"
85TH FLOOR 1292'-1"
86TH FLOOR 1304'-11"
87TH FLOOR 1317'-0"
88TH FLOOR 1330'-7"
 2. SLAB TO BE 12" THICK MIN. U.G.N. ON PLAN.
 3. BOTTOM SLAB REINFORCEMENT TO BE #5@12 CONT. E.W. U.G.N.
 4. FOR BRANCHED INFORMATION SEE FLOOR # 10-00.
 5. FOR STRUCTURE INTEGRITY REPAIR, ADD. INFORMATION SEE 5-00.



1 89TH FLOOR FRAMING PLAN
 S-290 SCALE: 3/16" = 1'-0"
 NOTES:
 1. TUBS AB ELEVATION TO BE 1540.7" U.O.N.
 2. SLAB TO BE 12" THICK MIN. U.O.N. ON PLAN.
 3. BOTTOM SLAB REINFORCING TO BE #5@12 CONT. E.W. U.O.N.



PROJECT NORTH TRUE NORTH

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No.	DESCRIPTION	DATE
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7	DOB SUBMISSION	12-19-2014

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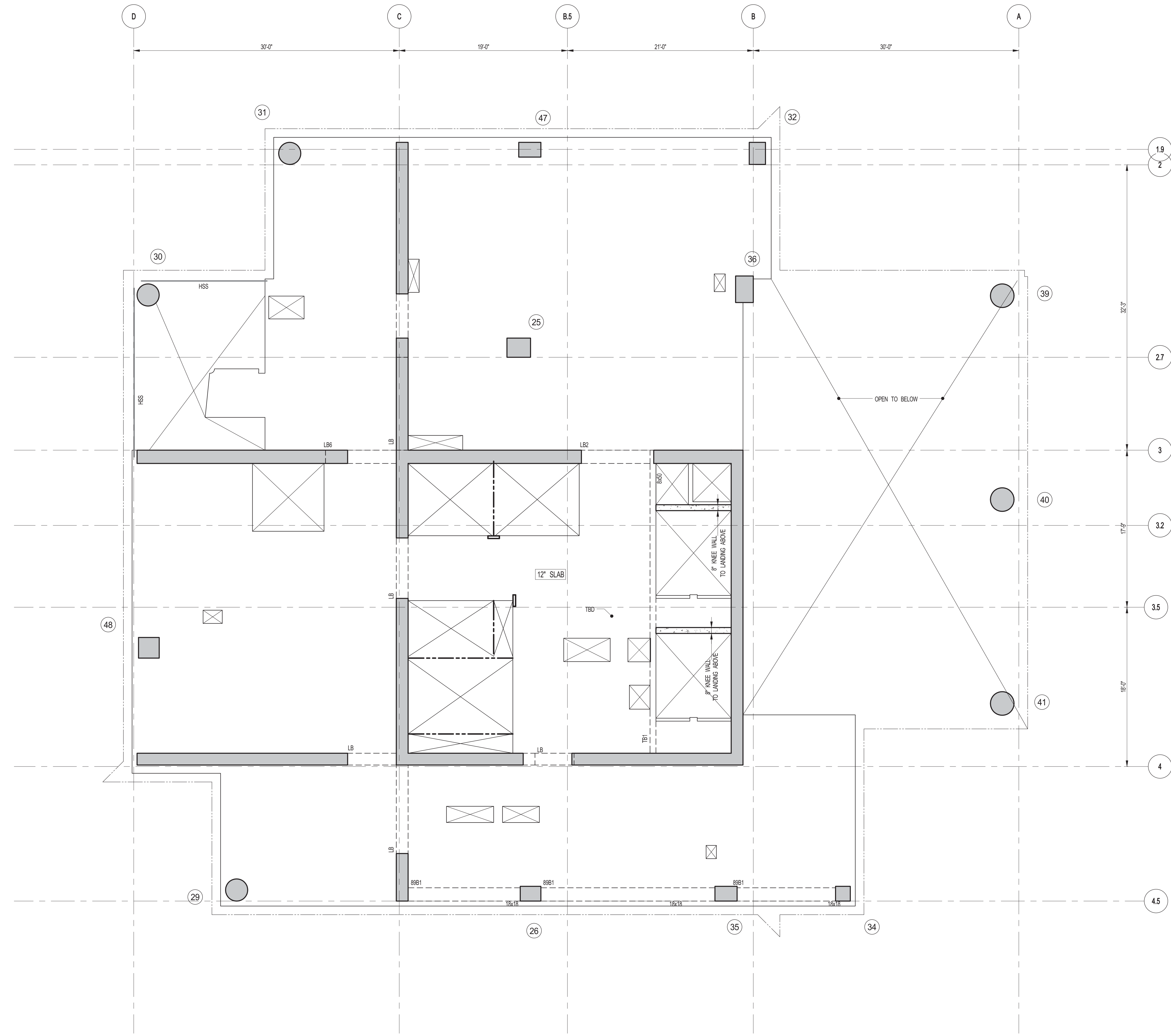
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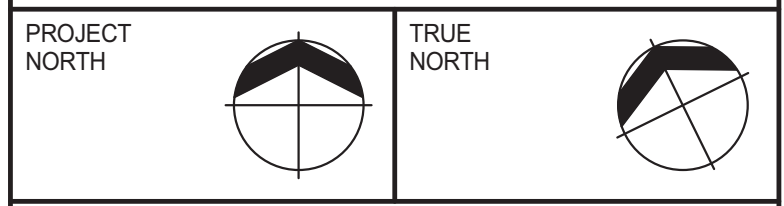
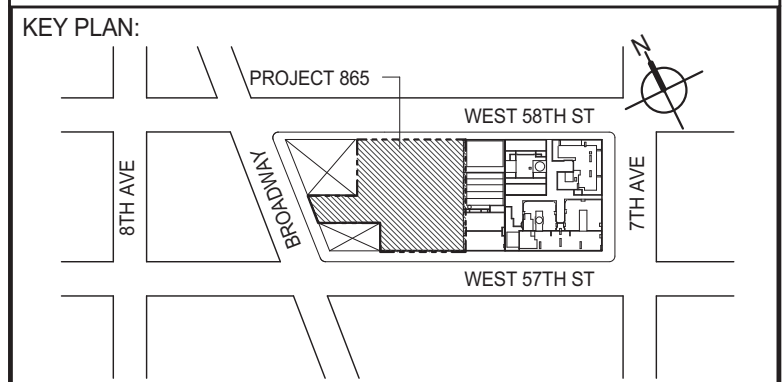
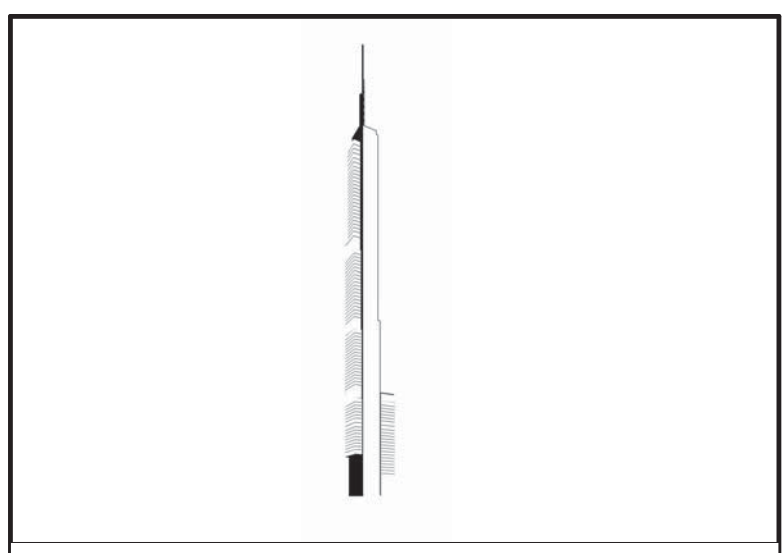
DRAWING TITLE: **89TH FLOOR - FRAMING PLAN**

SEAL & SIGNATURE: [Professional Seal] DATE: 03-31-2014
 PROJECT No: 2012185
 DRAWN: CADDO REV: 7
 CHK: YE
 SCALE: As indicated
 DWG No: **S-290.00**
 DOB PAGE No: 60 OF 118
 DOB EMPLOYEE STAMP: [Stamp] DOB S-SCAN: [Stamp]

Damian Titus
 Buildings
 APPROVED
 Under Directive 2 of 1975
 Date: 07/09/2015
 NYC Development Hub



1 90TH FLOOR FRAMING PLAN
 SCALE: 3/16" = 1'-0"
 NOTES:
 1. SLAB ELEVATION TO BE 1362'-7" U.O.N.
 2. SLAB TO BE 12" THICK MIN. U.O.N. ON PLAN.
 3. BOTTOM MAT REINFORCING TO BE #9@12 CONT. EW. U.O.N.



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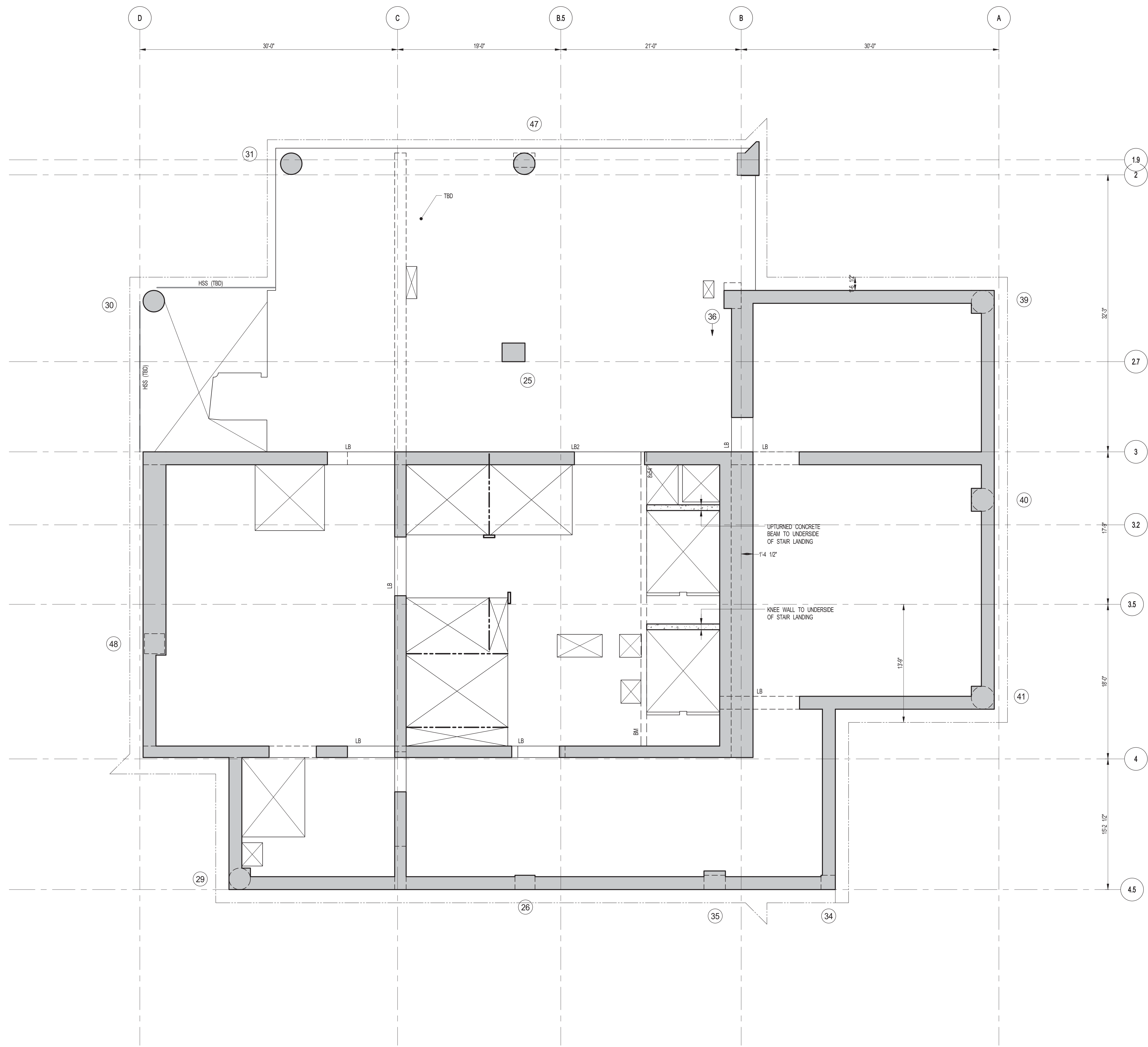
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 CONSULTANT: **WSP**
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 www.wspgroup.com/us

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

DRAWING TITLE: **90TH FLOOR - FRAMING PLAN**

DATE: 03-31-2014	PROJECT No: 2012185
DRAWN: CADW	REV: 7
CHK: YE	SCALE: As indicated
DWG No:	S-295.00
DOB PAGE No: 81 OF 118	DOB S-SCAN:

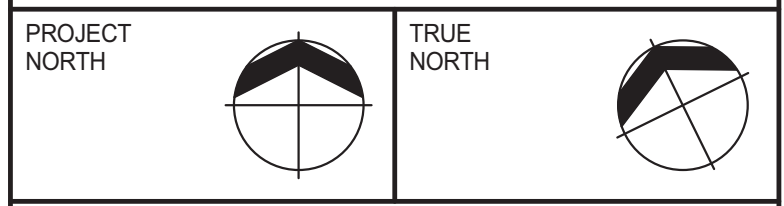
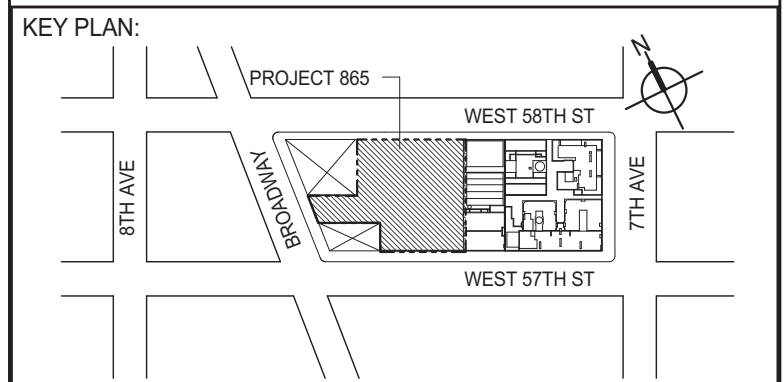
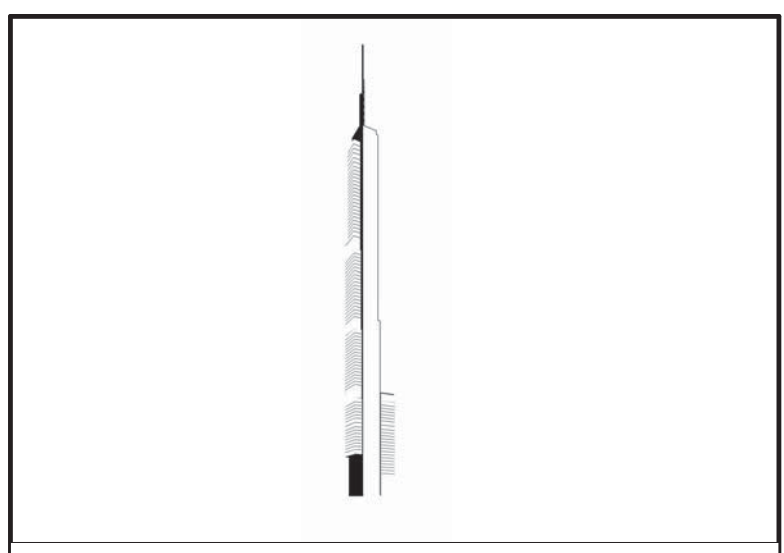
DOB EMPLOYEE STAMP: **Damian Titus**
 Buildings
 APPROVED
 Under Directive 2 of 1995
 Date: 07/09/2015
 NYC Development Hub



1
S-300

91ST FLOOR FRAMING PLAN
SCALE: 3/16" = 1'-0"

NOTES:
1. SLAB ELEVATION TO BE 1378.7" U.O.N.
2. SLAB TO BE 5" THICK MIN. U.O.N. ON PLAN.
3. BOTTOM MAT REINFORCING TO BE #8@10 CONT. E.W. U.O.N.



DEVELOPER:
EXTELL DEVELOPMENT COMPANY
805 THIRD AVENUE, 7TH FLOOR
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TEL: 212 712 6000 FAX: 212 712 6100

DESIGN ARCHITECT: Base Building Shell & Core
ADRIAN SMITH + GORDON GILL ARCHITECTURE
111 WEST MONROE STREET SUITE 2300
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INTERIOR DESIGNER: Residential
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LANDMARK/PRESERVATION CONSULTANT:
Jan Hind Pokorny Associates, Inc.
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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	SUPERSTRUCTURE CONCRETE BID	06-02-2014
4	DESIGN DEVELOPMENT	07-01-2014
5	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
6	CD PROGRESS ISSUE 1	10-15-2014
7	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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New York, NY 10017
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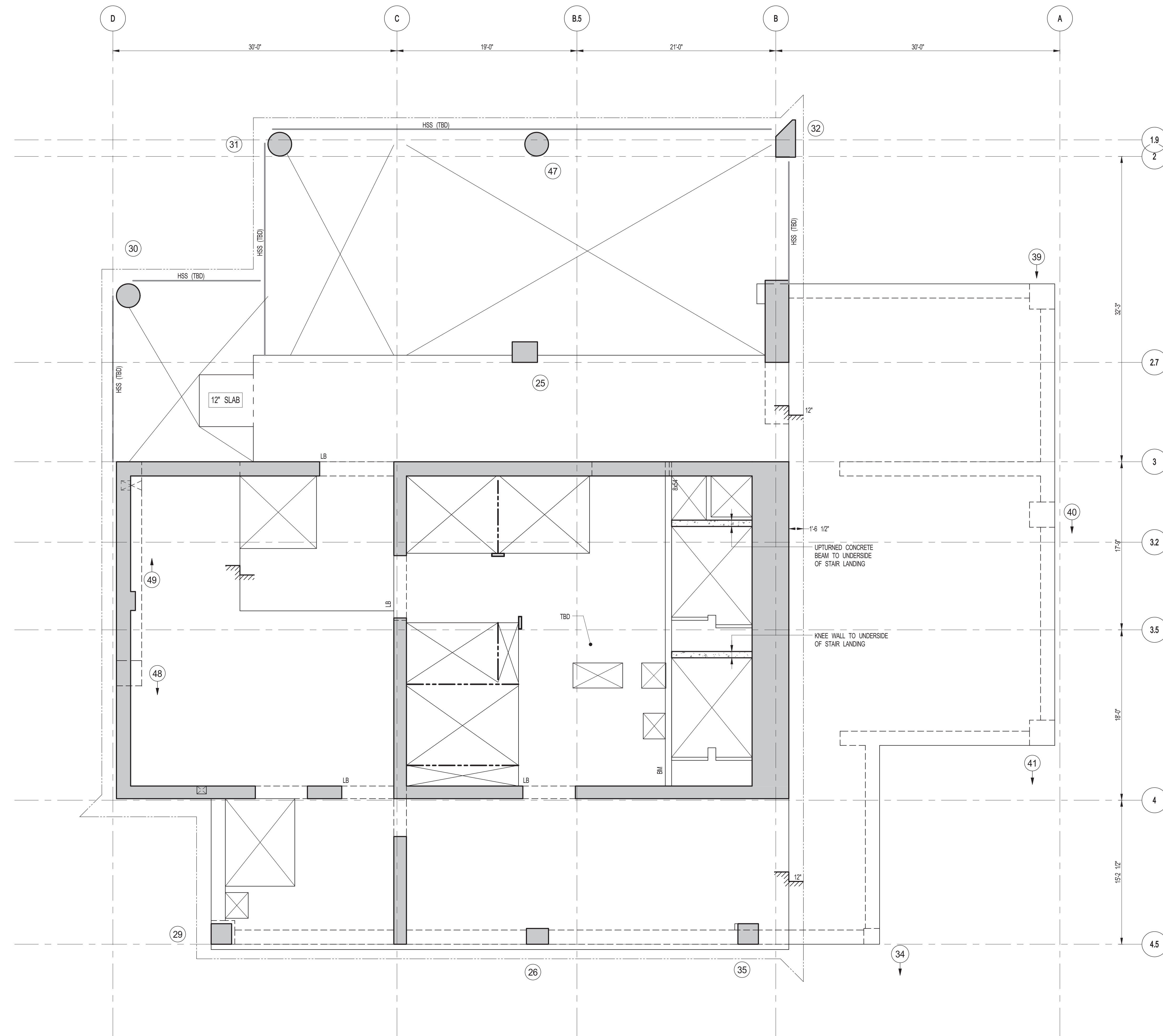
PROJECT:
**217 WEST 57TH STREET
NEW YORK, NY**

DRAWING TITLE:
91ST FLOOR - FRAMING PLAN

SEAL & SIGNATURE	DATE: 03-31-2014
	PROJECT No: 2012185
	DRAWN: CADDO
	CHK: YE
	SCALE: As indicated
DWG No:	S-300.00
DOB PAGE No: 62 OF 118	

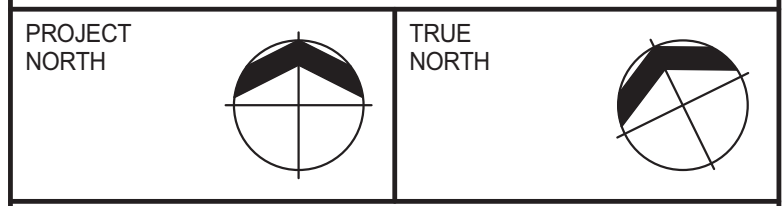
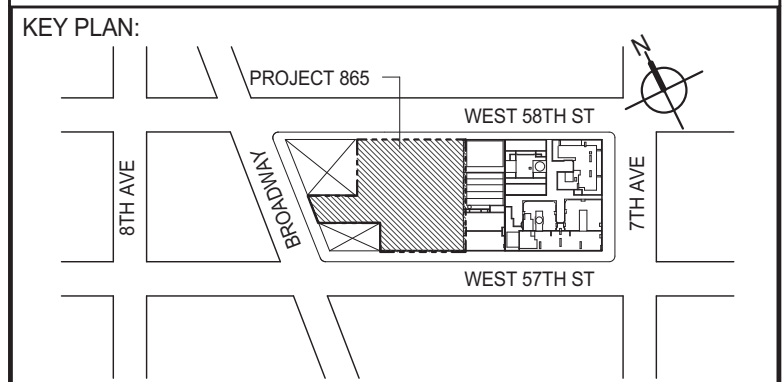
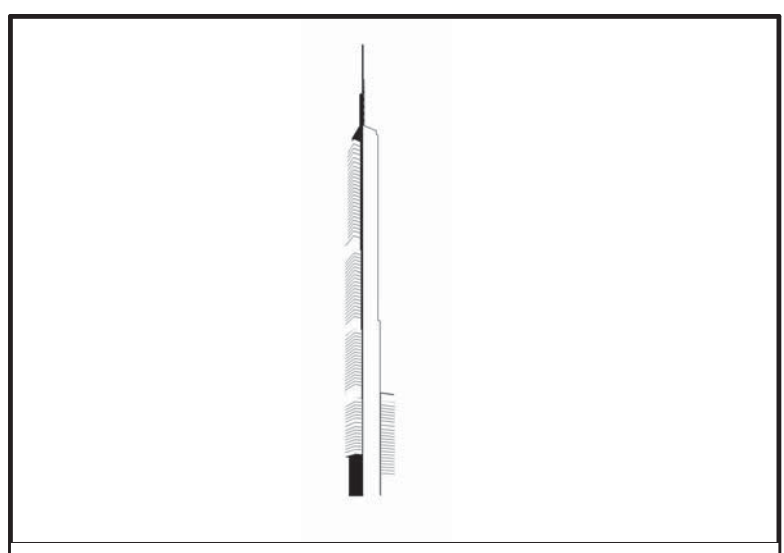
DOB EMPLOYEE STAMP: **Damian Titus**





1 92ND FLOOR FRAMING PLAN
S-305
SCALE: 3/16" = 1'-0"

NOTES:
1. SLAB ELEVATION TO BE 130'-10" U.O.D.
2. SLAB TO BE 5" THICK MIN. U.O.D. ON PLAN.
3. BOTTOM MAT REINFORCING TO BE XXXXX CONT. E.W. U.O.D.



DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
805 THIRD AVENUE, 7TH FLOOR
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TEL: 312 920 1888 FAX: 312 920 1775

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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	SUPERSTRUCTURE CONCRETE BID	06-02-2014
4	DESIGN DEVELOPMENT	07-01-2014
5	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
6	CD PROGRESS ISSUE 1	10-15-2014
7	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
8	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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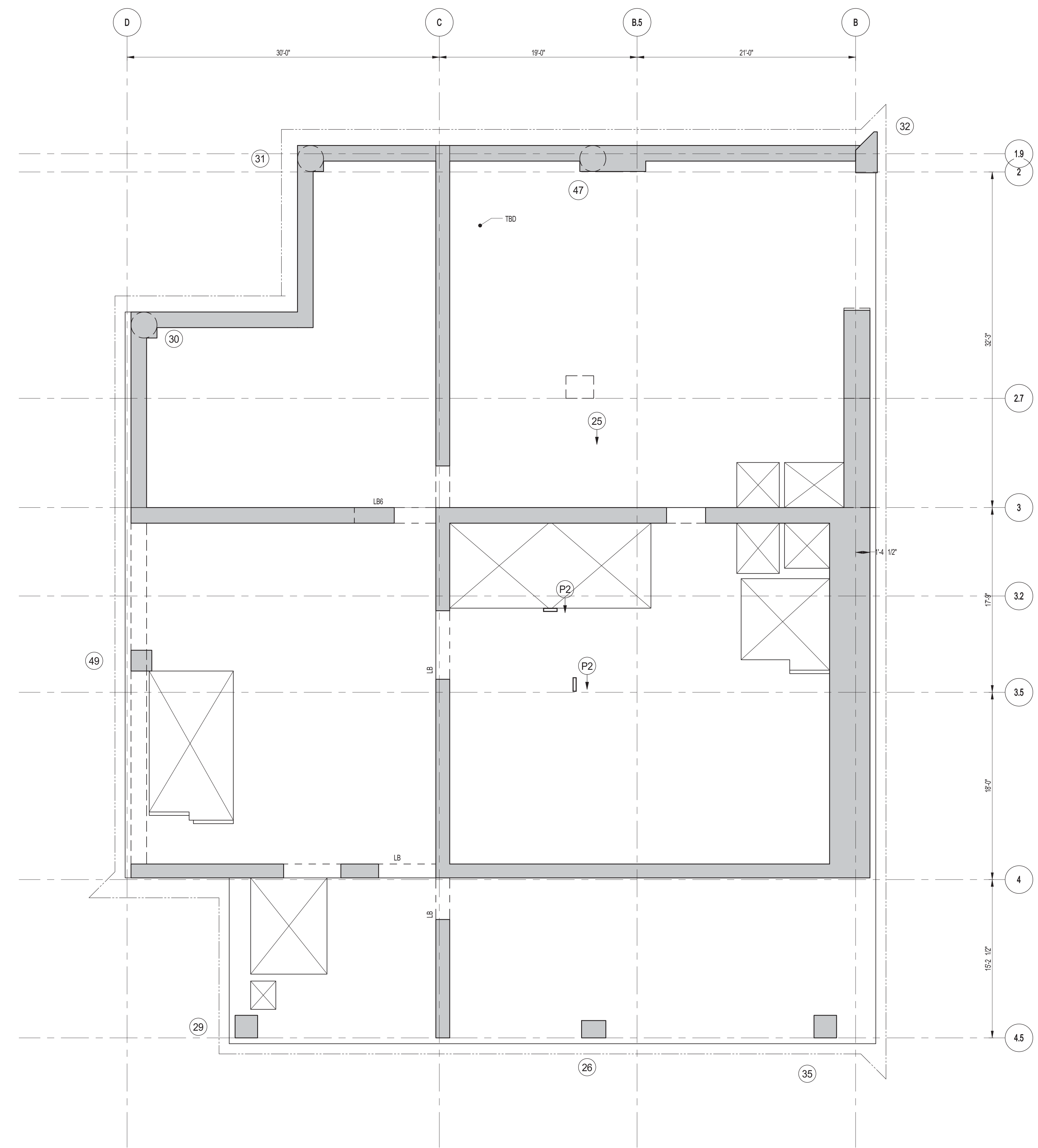
PROJECT: **217 WEST 57TH STREET**
NEW YORK, NY

DRAWING TITLE: **92ND FLOOR - FRAMING PLAN**

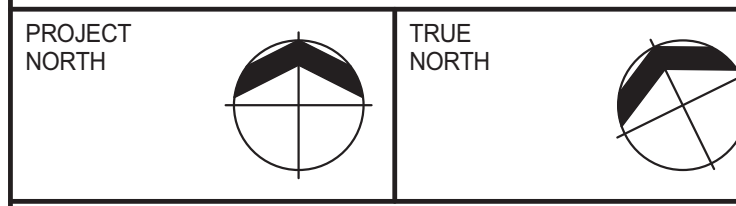
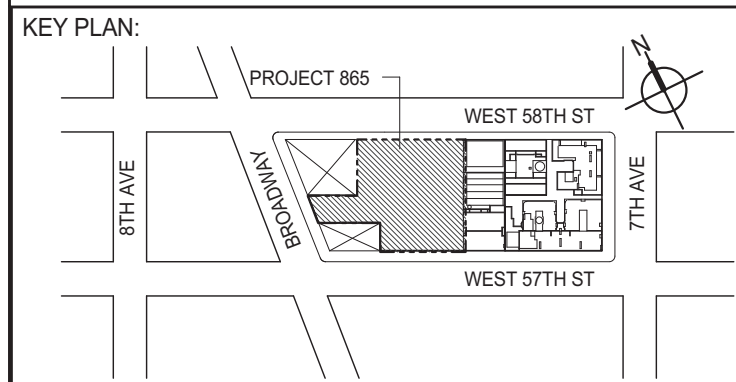
SEAL & SIGNATURE	DATE: 03-31-2014
	PROJECT No: 2012185
	DRAWN: CADDO
	CHK: YE
	SCALE: As indicated
DWG No:	S-305.00
DOB PAGE No: 63 OF 118	DOB No-SCAN:

DOB EMPLOYEE STAMP: **Damian Titus**

APPROVED
 Under Directive 2 of 1975
 Date: 07/09/2015
NYC Development Hub



1 93RD FLOOR FRAMING PLAN (EMR)
 S-310 SCALE: 3/16" = 1'-0"
 NOTES:
 1. ISLAB ELEVATION TO BE 1412'-10" U.O.N.
 2. SLAB TO BE 3" THICK MIN. U.O.N. ON PLAN.
 3. BOTTOM MAT REINFORCING TO BE #8@10 CONT. EW. U.O.N.



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LANDMARK/PRESERVATION CONSULTANT:
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 39 West 37th Street, 12A
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No.	DESCRIPTION	DATE
1	SUPERSTRUCTURE CONCRETE BID	06-02-2014
2	DESIGN DEVELOPMENT	07-01-2014
3	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
4	CD PROGRESS ISSUE 1	10-15-2014
5	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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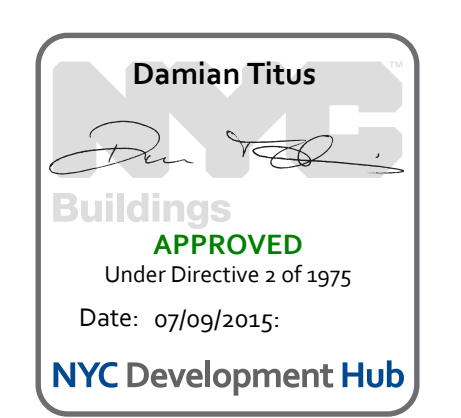
CONSULTANT:
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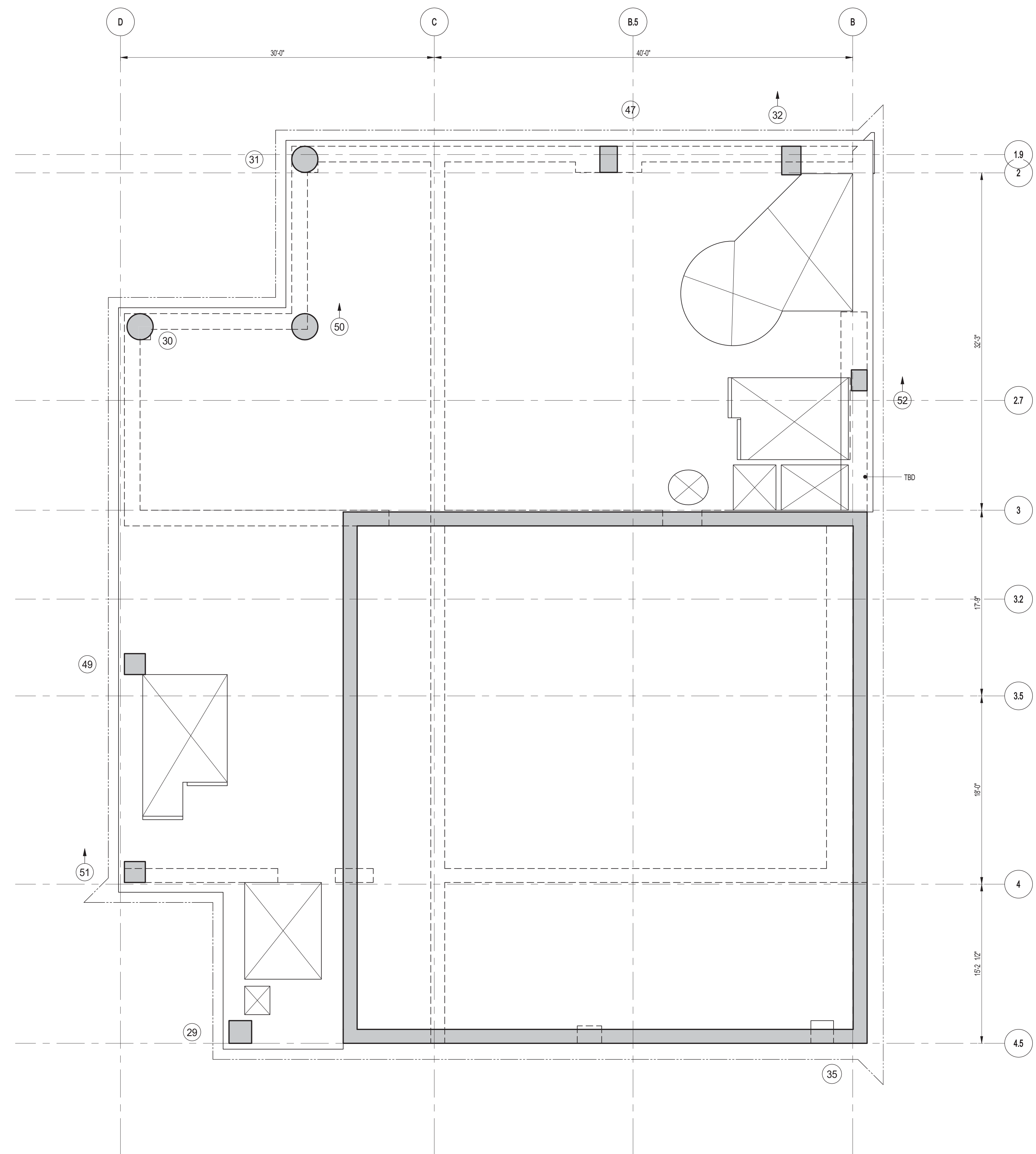
PROJECT:
217 WEST 57TH STREET
 NEW YORK, NY

DRAWING TITLE:
93RD FLOOR (EMR) - FRAMING PLAN

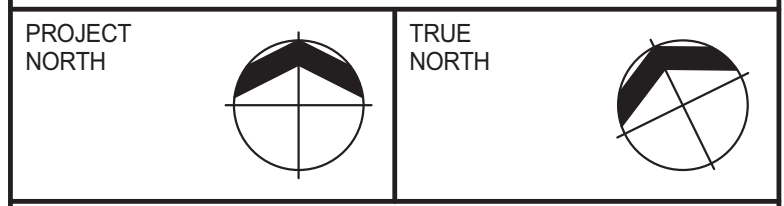
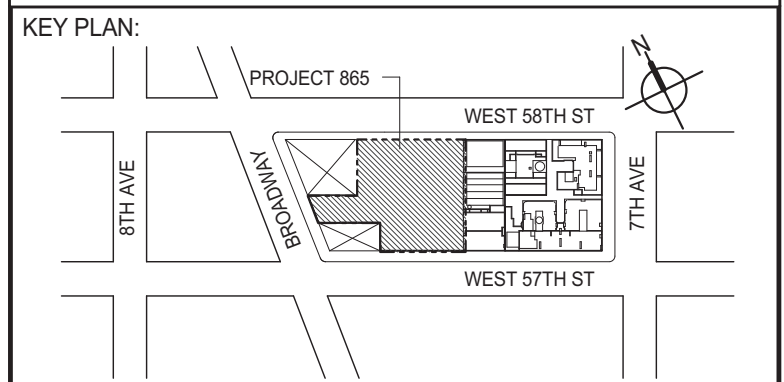
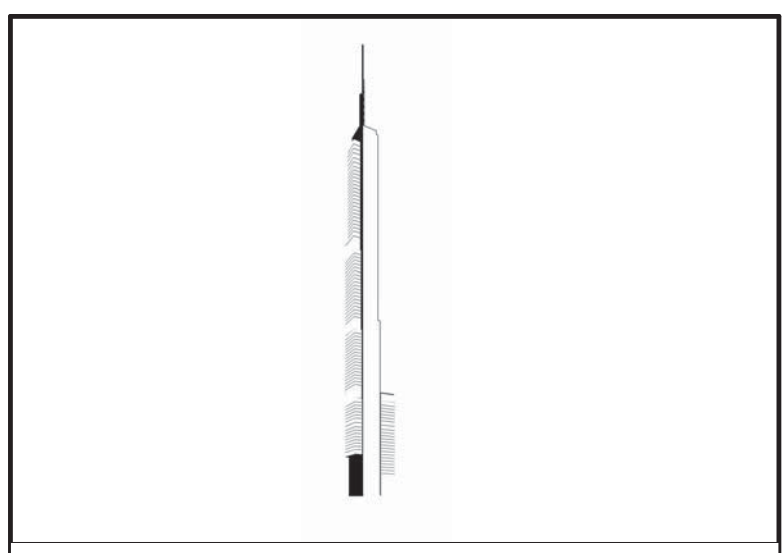
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	PROJECT No: 2012185
	DRAWN: CADDO REV: 5
	CHK: YE
	SCALE: As indicated
DWG No:	S-310.00
DOB PAGE No: 64 OF 118	

DOB EMPLOYEE STAMP: **Damian Titus**





1 94TH FLOOR FRAMING PLAN (DAMPER)
 S-315 SCALE: 3/16" = 1'-0"
 NOTES:
 1. SLAB ELEVATION TO BE 1428'-10" U.O.N.
 2. SLAB TO BE 5" THICK MIN. U.O.N. ON PLAN.
 3. BOTTOM MAT REINFORCING TO BE #9@10 CONT. E.W. U.O.N.



DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
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 NEW YORK, NY 10022 USA
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DESIGN ARCHITECT: **ADRIAN SMITH + GORDON GILL ARCHITECTURE**
 111 WEST MONROE STREET SUITE 2300
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INTERIOR DESIGNER: **Rottet Architecture and Design Studio, PLLC**
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No.	DESCRIPTION	DATE
1	SUPERSTRUCTURE CONCRETE BID	06-02-2014
2	DOB FILING SET	06-17-2014
3	DESIGN DEVELOPMENT	07-01-2014
4	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
5	CD PROGRESS ISSUE 1	10-15-2014
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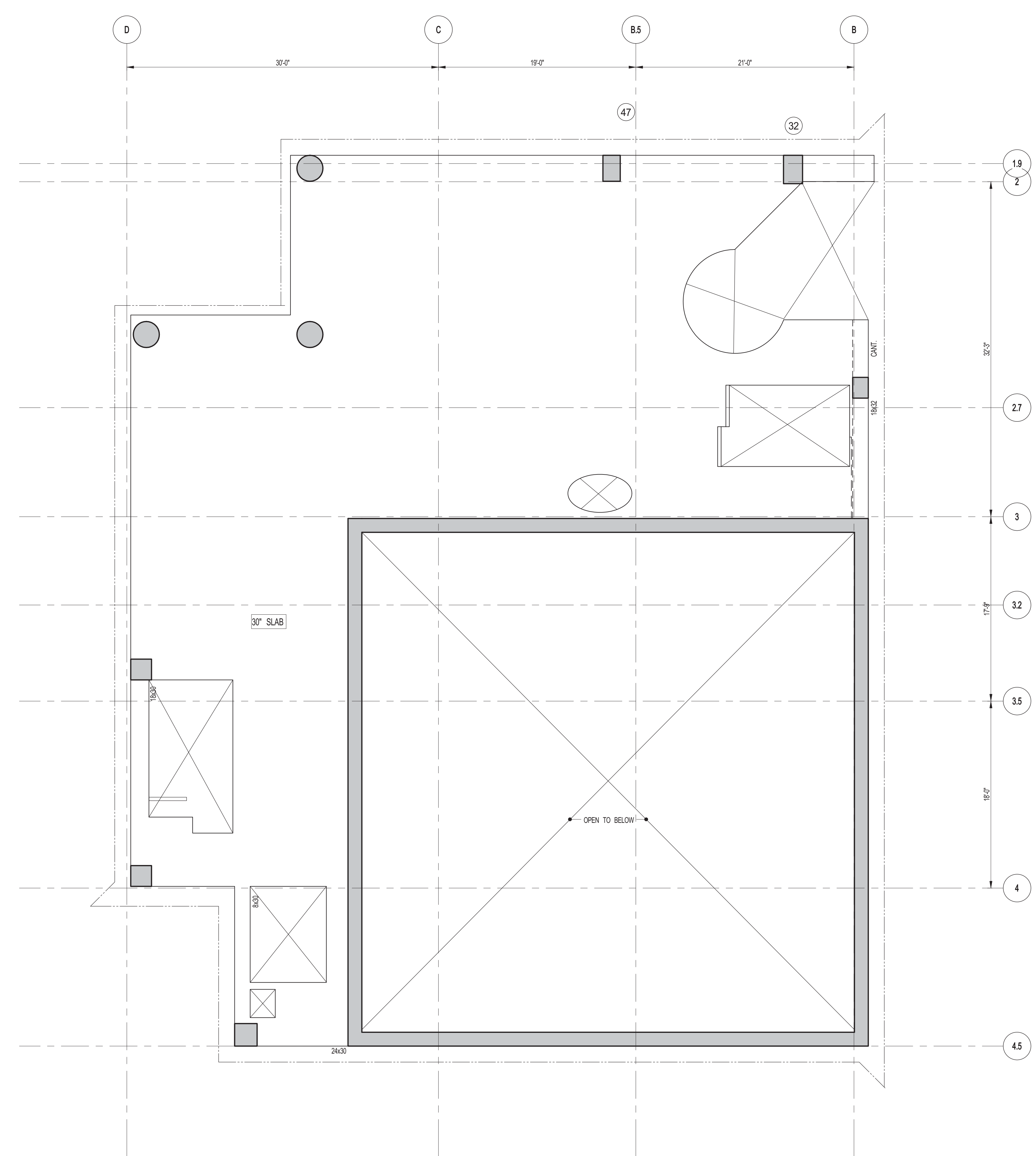
PROJECT: **217 WEST 57TH STREET
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DRAWING TITLE: **94TH FLOOR (TMD) - FRAMING PLAN**

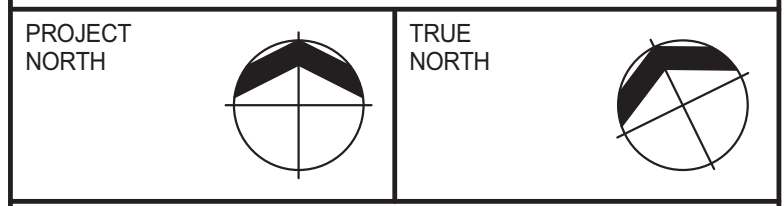
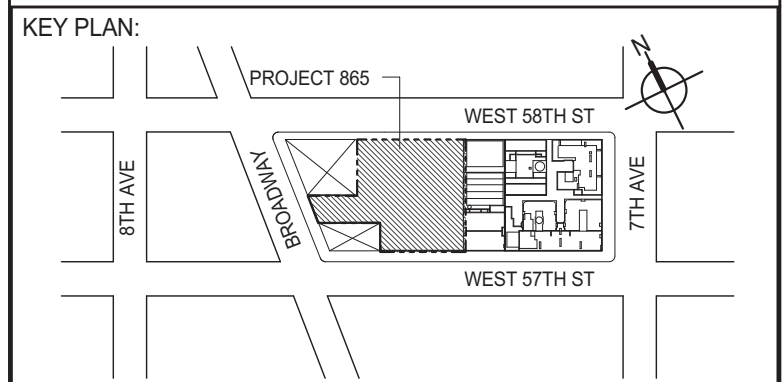
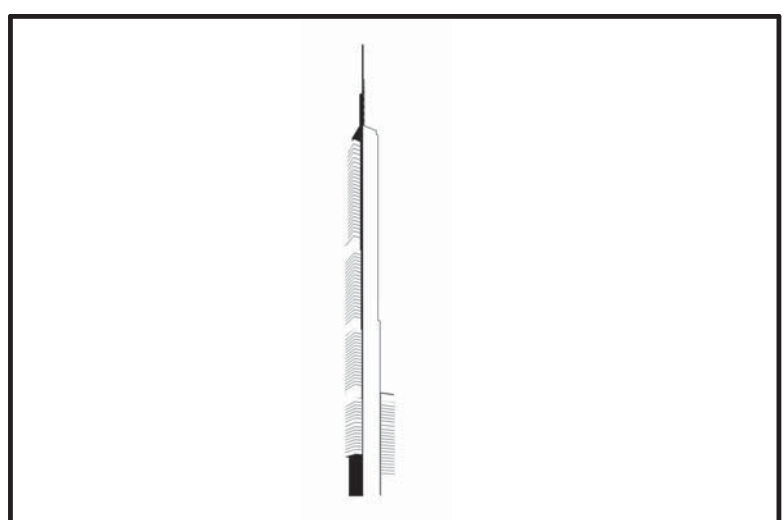
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	PROJECT No: 2012185
	DRAWN: CADDO REV: 6
	CHK: YE
	SCALE: As indicated
DWG No:	S-315.00
DOB PAGE No: 65 OF 118	DOB No-SCAN:

DOB EMPLOYEE STAMP: **Damian Titus**

Buildings
APPROVED
 Under Directive 2 of 1995
 Date: 07/09/2015
NYC Development Hub



1 95TH FLOOR FRAMING PLAN
 S-320 SCALE: 3/16" = 1'-0"
 NOTES:
 1. TISLAB ELEVATION TO BE 1450'-0" U.O.N.
 2. SLAB TO BE 3" THICK MIN. U.O.N. ON PLAN.
 3. BOTTOM MAT REINFORCING TO BE #8@10 CMT. E.W. U.O.N.



DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
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INTERIOR DESIGNER: **Rottet Architecture and Design Studio, PLLC**
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ARCHITECT OF RECORD: **AJAJ ARCHITECTS, P.C.**
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No.	DESCRIPTION	DATE
1	DOB FILING SET	06-17-2014
2	DESIGN DEVELOPMENT	07-01-2014
3	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
4	CD PROGRESS ISSUE 1	10-15-2014
5	DOB SUBMISSION	12-19-2014

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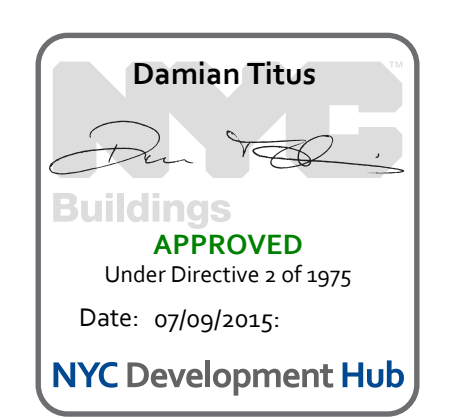
CONSULTANT: **WSP**
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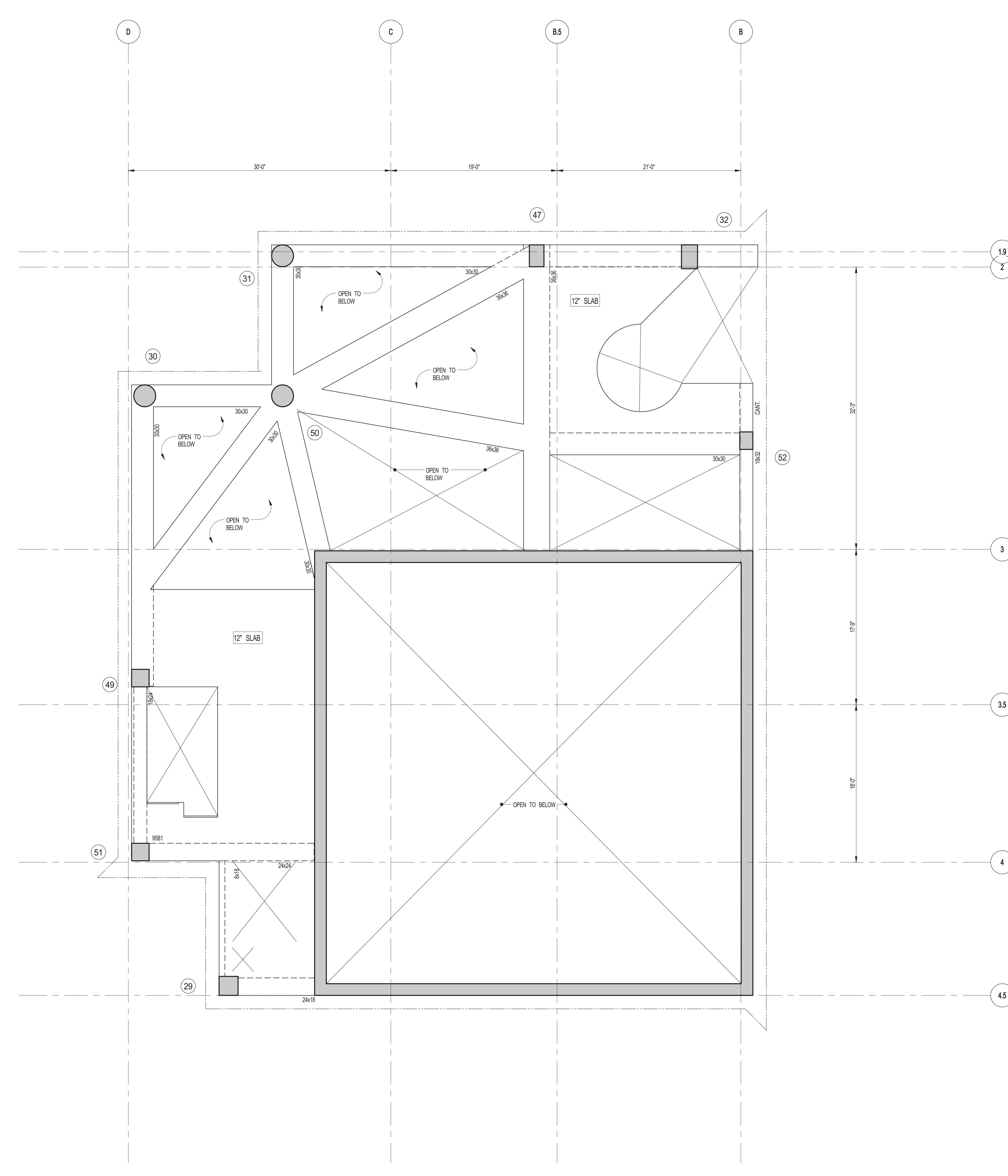
PROJECT: **217 WEST 57TH STREET
 NEW YORK, NY**

DRAWING TITLE: **95TH FLOOR - FRAMING PLAN**

SEAL & SIGNATURE	DATE: 06-02-2014
	PROJECT No: 2012185
	DRAWN: CADDO REV: 5
	CHK: YE
	SCALE: As indicated
DWG No: S-320.00	DOB PAGE No: 66 OF 118

DOB EMPLOYEE STAMP: **Damian Titus**





1 95TH-FLOOR MEZZANINE FRAMING PLAN
S-325 SCALE: 3/16" = 1'-0"

- NOTES:**
1. SLAB ELEVATION TO BE 1479'-0" U.O.N.
 2. SLAB TO BE 12" THICK MIN. U.O.N. ON PLAN.
 3. BOTTOM MAT REINFORCING TO BE #6@5 CONT. E.W. U.O.N.

PROJECT NORTH

DEVELOPER:
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805 THIRD AVENUE, 7TH FLOOR
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DESIGN ARCHITECT: Base Building Shell & Core
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INTERIOR DESIGNER: Residential
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MEP ENGINEERS:
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No.	DESCRIPTION	DATE
1	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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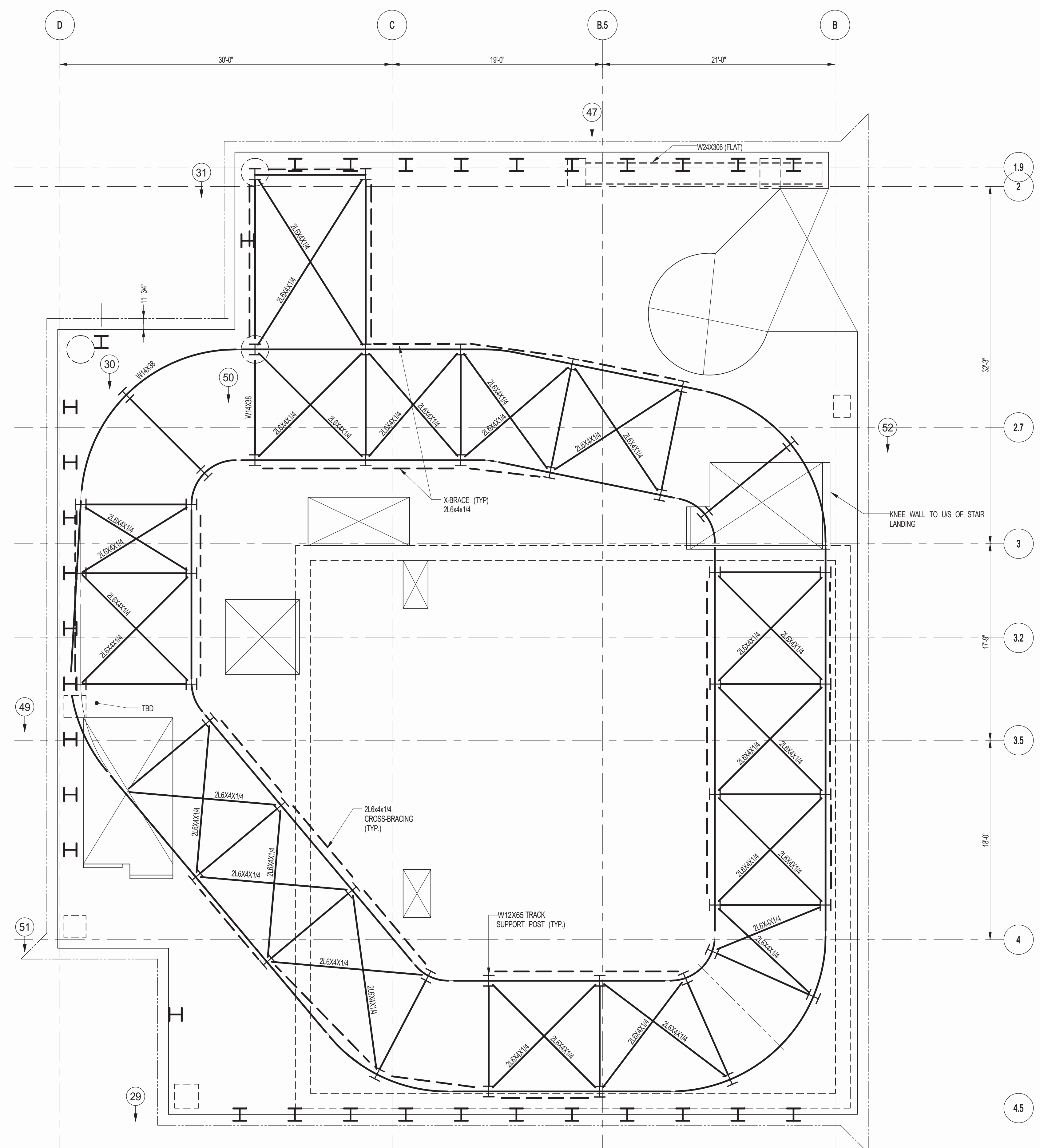
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**217 WEST 57TH STREET
NEW YORK, NY**

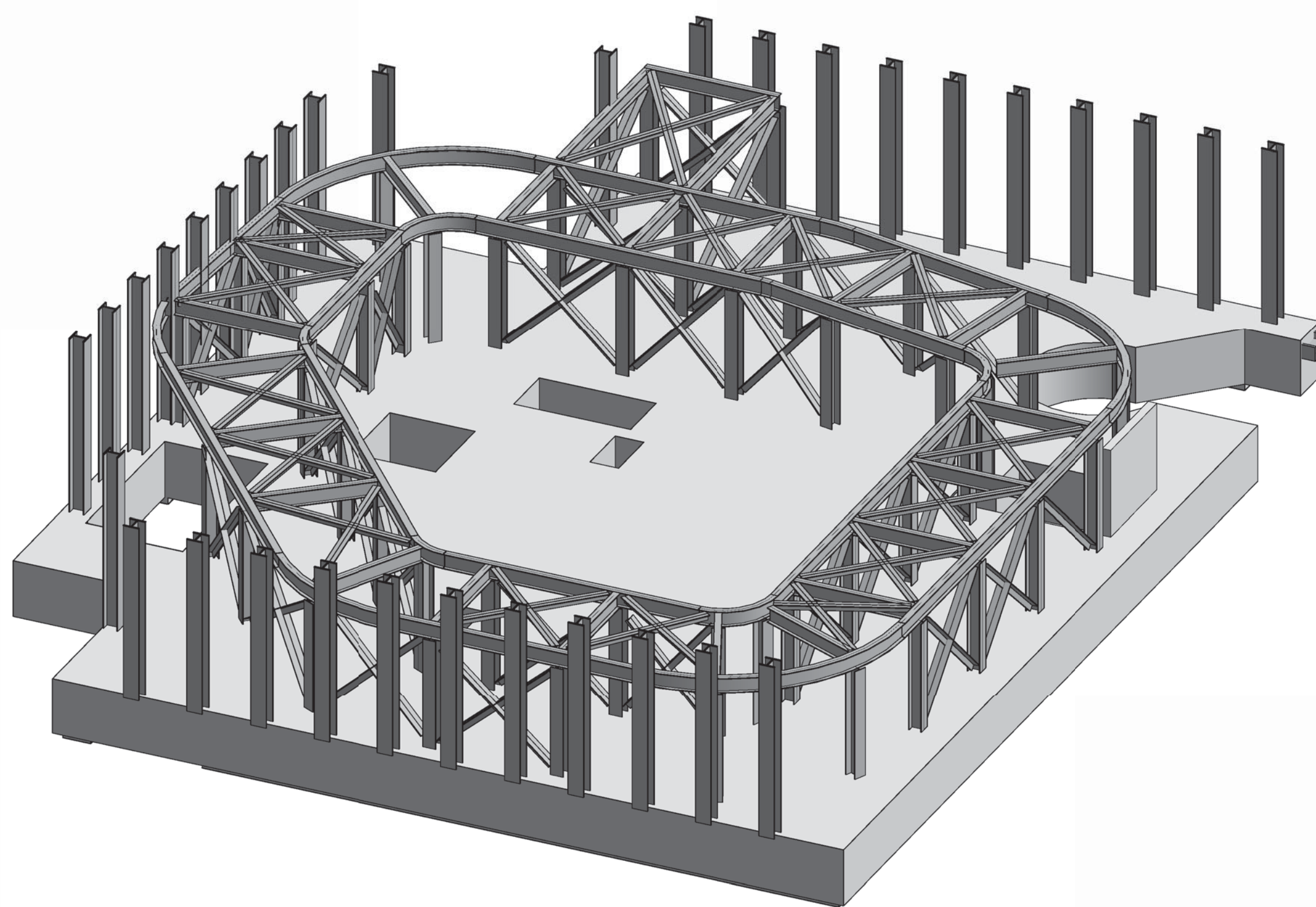
DRAWING TITLE:
95TH FLOOR MEZZANINE - FRAMING PLAN

SEAL & SIGNATURE:	DATE: 12/19/14
	PROJECT No: 20121165
	DRAWN: Author
	CHK: Checker
	SCALE: As indicated
DWG No: S-325	REV: 1
DOB PAGE No: 87 OF 118	DOB B-SCAN:

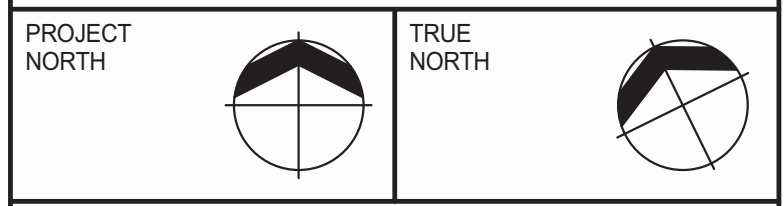
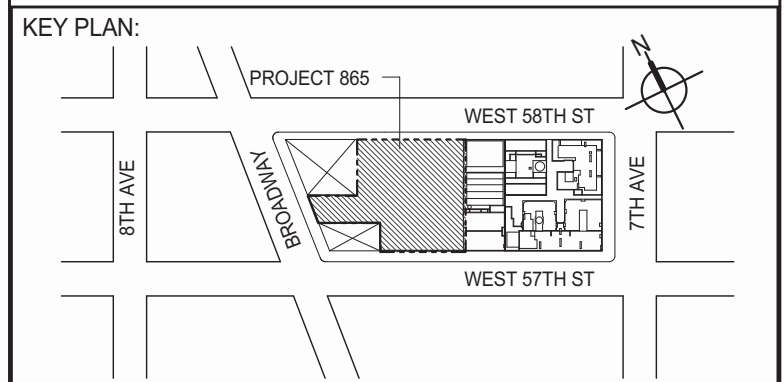


1 96TH FLOOR FRAMING PLAN (EMR ROOF)
S-330 SCALE: 3/16" = 1'-0"

- NOTES**
1. TISLAK ELEVATION TO BE 1493'-10" U.O.M.
 2. SLAB TO BE 5" THICK MIN. U.O.M. ON PLAN.
 3. BOTTOM MAT REINFORCING TO BE #8@10 CONT. EW. U.O.M.



2 3D VIEW
S-330 SCALE:



DEVELOPER:
EXTELL DEVELOPMENT COMPANY
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NEW YORK, NY 10022 USA
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DESIGN ARCHITECT: Base Building Shell & Core
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AJLP Consulting
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LANDMARK/PRESERVATION CONSULTANT:
Jan Hind Pokorny Associates, Inc.
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No.	DESCRIPTION	DATE
1	SUPERSTRUCTURE CONCRETE BID	06-02-2014
2	DOB FILING SET	06-17-2014
3	DESIGN DEVELOPMENT	07-01-2014
4	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
5	CD PROGRESS ISSUE 1	10-15-2014
6	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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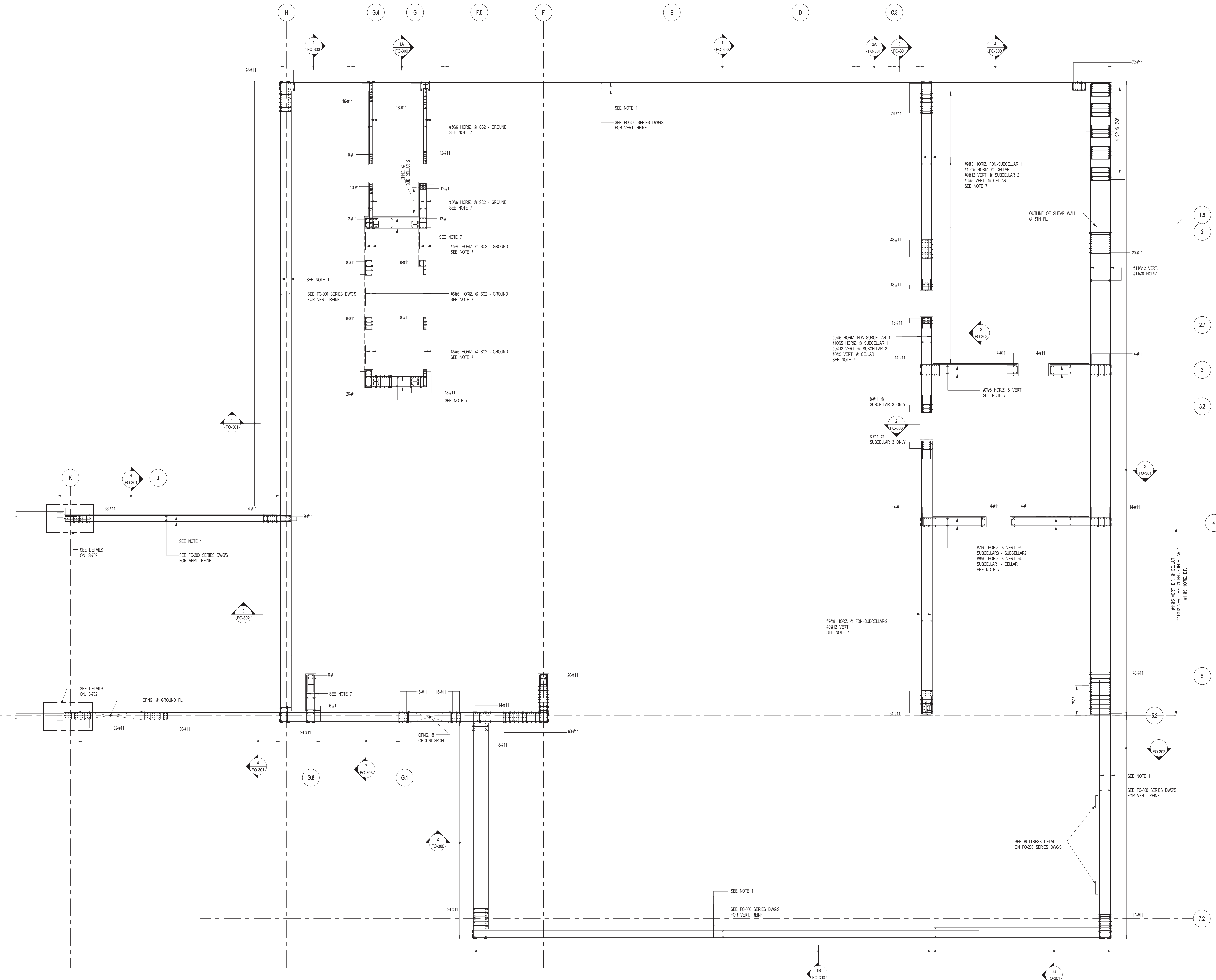
PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:
96TH FLOOR (ROOF) - FRAMING PLAN

DATE: 06-02-2014	PROJECT No: 2012185
DRAWN: CADDO	REV: 6
CHK: YE	SCALE: As indicated
DWG No:	S-330.00
DOB PAGE No: 68 OF 118	DOB S-SCAN:

DOB EMPLOYEE STAMP:

Damian Titus
APPROVED
Under Directive 2 of 1995
Date: 07/09/2015
NYC Development Hub



FOR FOUNDATION DOWELS AND FOUNDATION/SHEARWALL REINFORCEMENT UP TO GROUND FLOOR

1 SHEARWALL REINFORCEMENT PLAN @ FOUNDATION TO U/S GROUND FLOOR

- SCALE: 1/8" = 1'-0"
- NOTES:
1. FOR HORIZONTAL REINFORCEMENT IN FOUNDATION WALLS USE THE MORE ONEROUS OF THE TYPICAL SHEARWALL REIN. SCHEDULE ON S-400 OR AS SHOWN ON FOUNDATION WALL SECTIONS ON FO-300 SERIES.
 2. SEE S-400 FOR SHEARWALL TYPICAL DETAILS.
 3. SEE FOUND FOR GENERAL NOTES.
 4. ALL VERTICAL WALL REINFORCEMENT SHOWN ON THIS DWG IS IN ADDITION TO REINFORCEMENT SHOWN ON FO-300 SERIES DWG.
 5. ALL #11 SHALL BE GRADE 75 W/O.N.
 6. ALL #4 SHALL BE GRADE 60 W/O.N.
 7. FOR BALANCE OF REIN. NOT SHOWN ON PLAN, SEE TABLE OF SHEARWALL TYPICAL MINIMUM REINFORCEMENT ON DWG S-400.
 8. SEE FRAMING PLANS & SHEARWALL ELEVATION FOR SIZE OF SHEARWALL OPENINGS.
 9. FOR LINK BEAM SCHEDULE SEE S-400 SERIES DRAWINGS.

KEY PLAN

PROJECT NORTH

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

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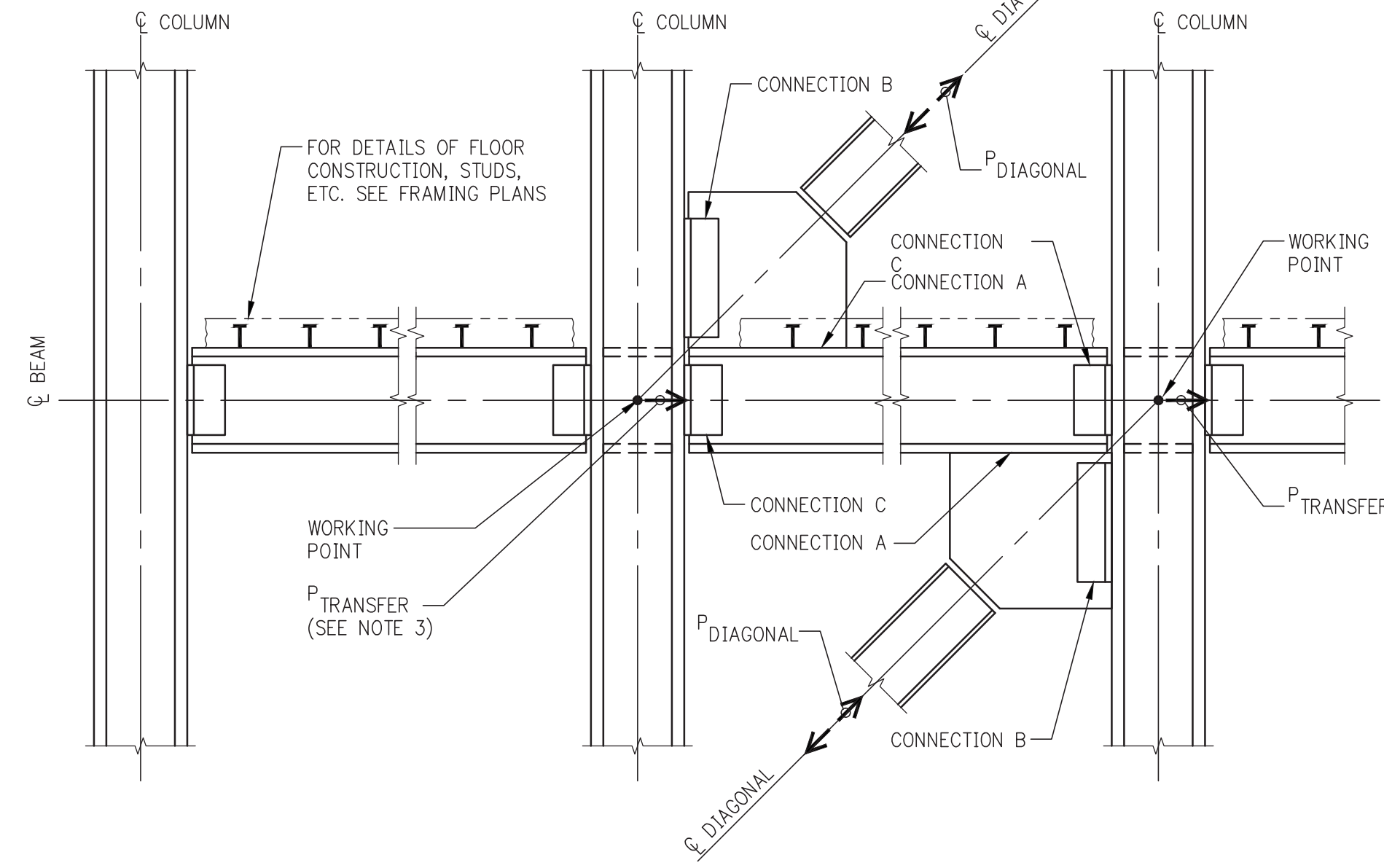
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 www.wspgroup.com/us

PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:
SHEARWALL REINFORCEMENT PLAN @ FOUNDATION TO U/S GROUND FLOOR

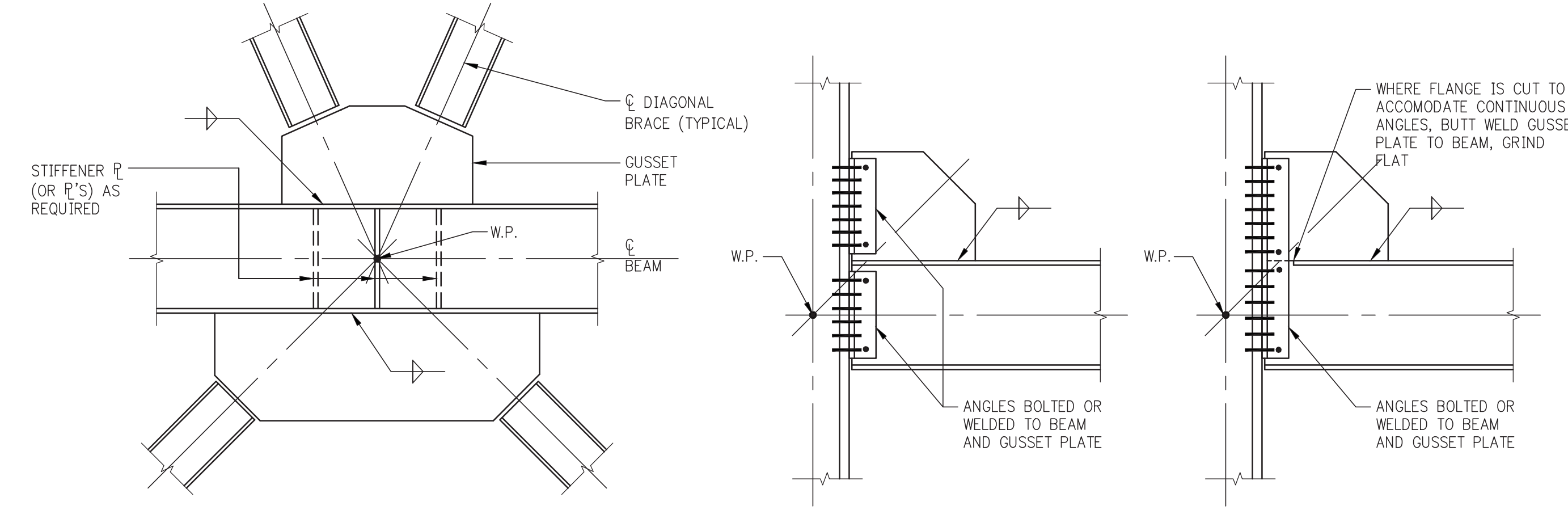
SEAL & SIGNATURE 	DATE: 03-31-2014	PROJECT No: 2012185	DRAWN: CADW	REV:	
	CHK: YE	SCALE: 1/8" = 1'-0"	DWG No:	18	
				S-400.01	
DOB EMPLOYEE STAMP:	DOB PAGE No: 84 OF 158	DOB B-SCAN:			



BRACING ELEVATION ILLUSTRATING

WORKING POINTS AND ADDITIONAL FORCES: $P_{TRANSFER}$ & $P_{DIAGONAL}$

- NOTES:**
1. THE UNIFORM FORCE METHOD, AS OUTLINED IN THE MANUAL OF STEEL CONSTRUCTION (LRFD) OF THE AISC, SHALL BE USED IN THE DESIGN OF WIND TRUSS CONNECTIONS.
 2. SEE BRACED FRAME ELEVATIONS IN THE CONTRACT DRAWINGS FOR MEMBER SIZES, AXIAL FORCES IN DIAGONALS (P_{DI}), AND ADDITIONAL FORCES TO BE USED IN DESIGN OF CONNECTIONS. SEE COLUMN SCHEDULES AND FRAMING PLANS FOR MEMBER SIZES AND/OR ORIENTATIONS NOT SHOWN IN ELEVATIONS.
 3. IN ADDITION TO VERTICAL AND HORIZONTAL COMPONENTS DERIVED FROM AXIAL FORCES IN DIAGONALS (P_{DI}), THE ADDITIONAL FORCE (P_{T}) IS TO BE INCLUDED IN DESIGN OF CONNECTION, WHERE:
 - P_{T} = $P_{TRANSFER}$, THE HORIZONTAL FORCE TRANSFERRING THROUGH A COLUMN FROM ONE SIDE TO THE OTHER.
 4. CONNECT BEAM FLANGES TO COLUMN AS REQUIRED TO TRANSFER FORCES DESCRIBED ABOVE.
 5. IN DESIGN OF ALL CONNECTIONS FOR AXIAL FORCES, WHEN THE CONTROLLING DESIGN AXIAL FORCE IS COMPRESSION, THE CONNECTION SHALL BE DESIGNED TO ALSO PROVIDE A TENSILE CAPACITY OF AT LEAST 50 PER CENT OF THE COMPRESSIVE LOAD.
 6. COLUMNS SHALL BE INVESTIGATED FOR $P_{TRANSFER}$ FORCES TO DETERMINE WHETHER STIFFENER PLATES ARE REQUIRED.
 7. FOR DEFINITION OF TYPE OF FORCE IN DIAGONALS (AND BEAMS) WHETHER SERVICE LOAD OR ULTIMATE (LRFD) - SEE BRACED FRAME ELEVATIONS, TO CONVERT SERVICE LOADS TO LRFD, USE A FACTOR OF 1.4.
 8. SLP-CRITICAL BOLTS USED IN ALL WIND TRUSS CONNECTIONS SHALL BE BASED UPON BOLT VALUES GIVEN IN TABLE 7-4 "SLP-CRITICAL CONNECTIONS" WHERE "SLP" IS A STRENGTH LIMIT-STATE, CLASS A FAYING SURFACE (13TH EDITION OF AISC MANUAL) (MINIMUM BOLT DIAMETER = #2).
 9. IF THE FABRICATOR PROPOSES TO USE CLASS B FAYING SURFACE AND A GREATER BOLT CAPACITY THAN TABLE 7-4 VALUES, HE MUST SUBMIT HIS PROPOSED DESIGN AND FABRICATION PROCEDURES TO THE ENGINEER FOR PRIOR APPROVAL.

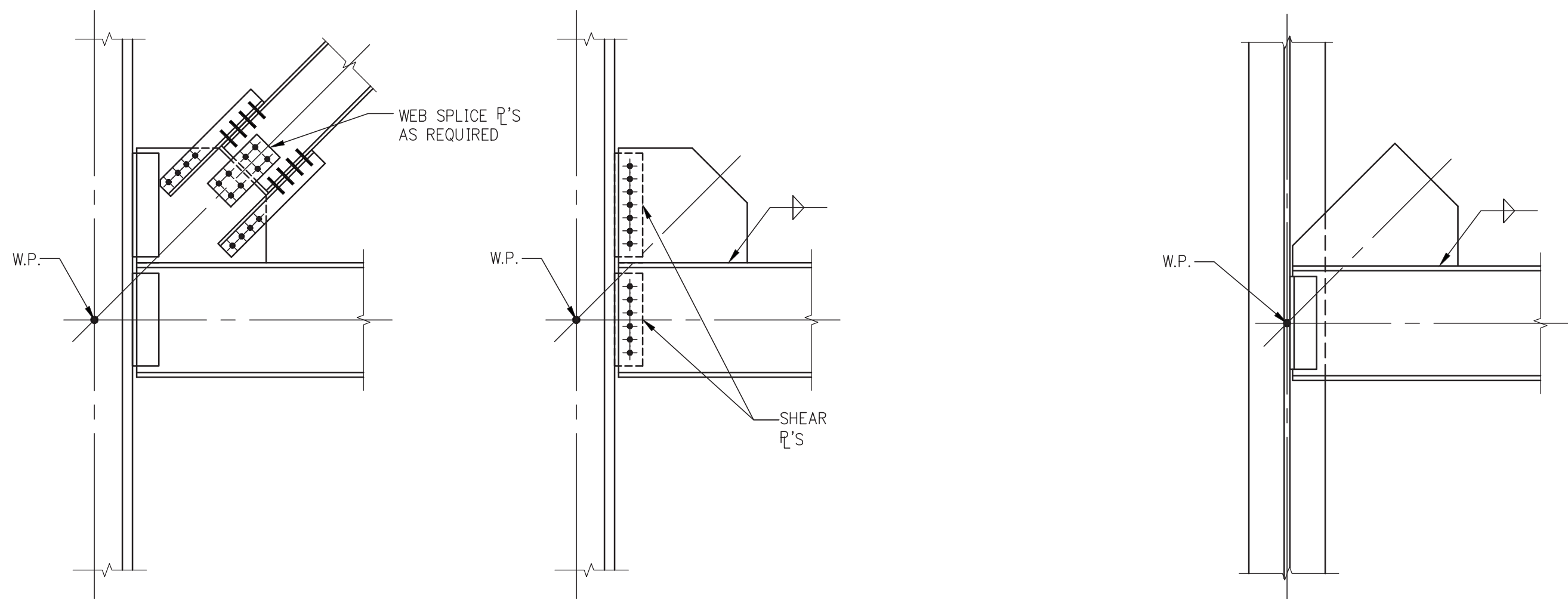


CONNECTION AT 'k' OR 'x' BRACING

NOTE:
GUSSET PLATE CAN OCCUR AT TOP, BOTTOM, OR BOTH FLANGES OF BEAM, DEPENDING UPON BRACING LAYOUT. SEE BRACING ELEVATIONS

DOUBLE ANGLE CONNECTION TO COLUMN FLANGE

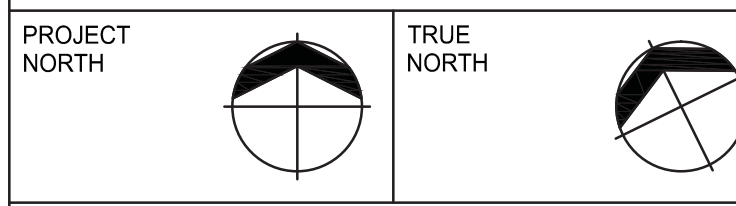
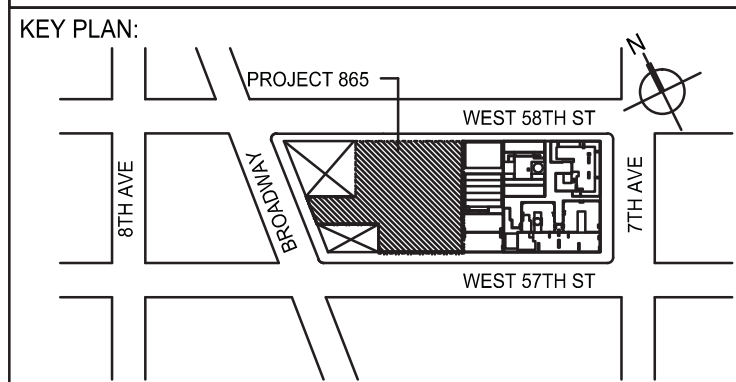
DOUBLE ANGLE CONNECTIONS TO COLUMN FLANGE



DIAGONAL CONNECTION TO GUSSET PLATE

SHEAR PLATE CONNECTION TO COLUMN FLANGE

BEAM CONNECTION TO COLUMN WEB (GUSSET PLATE NOT CONNECTED TO COLUMN WEB)



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No.	DESCRIPTION	DATE
1	SE ZONE STEEL BID	08-20-2014
2	STRUCTURAL STEEL BID	09-15-2014
3	CD PROGRESS ISSUE 1	10-15-2014
4	ISSUED FOR CONSTRUCTION UP TO 5TH FL ONLY	11-07-2014
5	DOB SUBMISSION	12-19-2014
6	DOB SUBMISSION	02-05-2015
7	PROGRESS CD	05-06-2015
8	DOB AMENDMENT 2	09-18-2015

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

DRAWING TITLE:
**TYPICAL STEEL
FRAME BRACING
ELEVATION DETAILS**

DATE:	08/20/14
PROJECT No:	2012185
DRAWN: CADD	REV:
CHK: Y.E.	8
SCALE: AS INDICATED	
DWG No:	
S-420.01	
DOB PAGE No: 108 OF 158	
DOB EMPLOYEE STAMP:	DOB B-SCAN:



***TYPICAL MINIMUM SHEARWALL REINFORCEMENT**

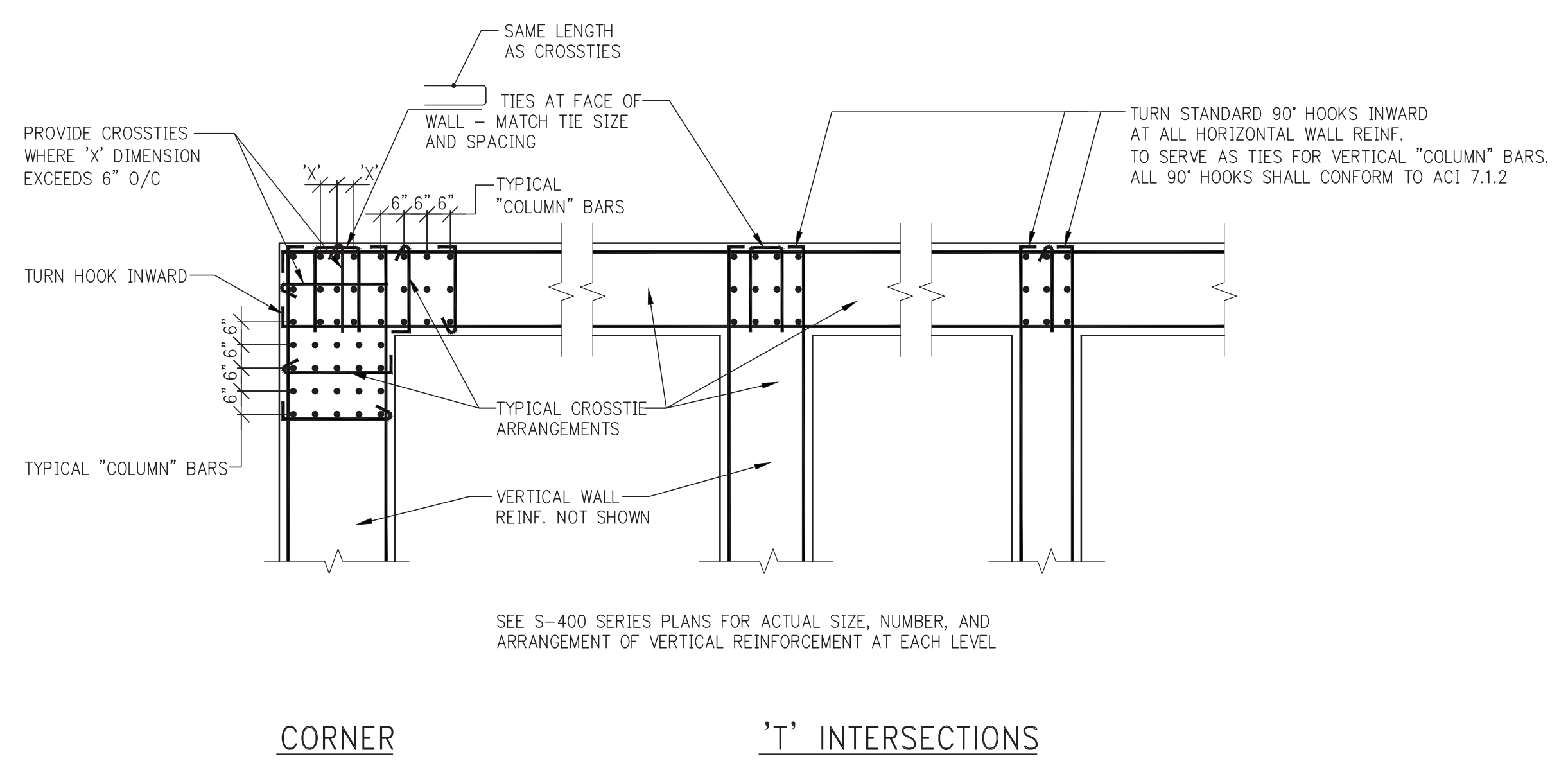
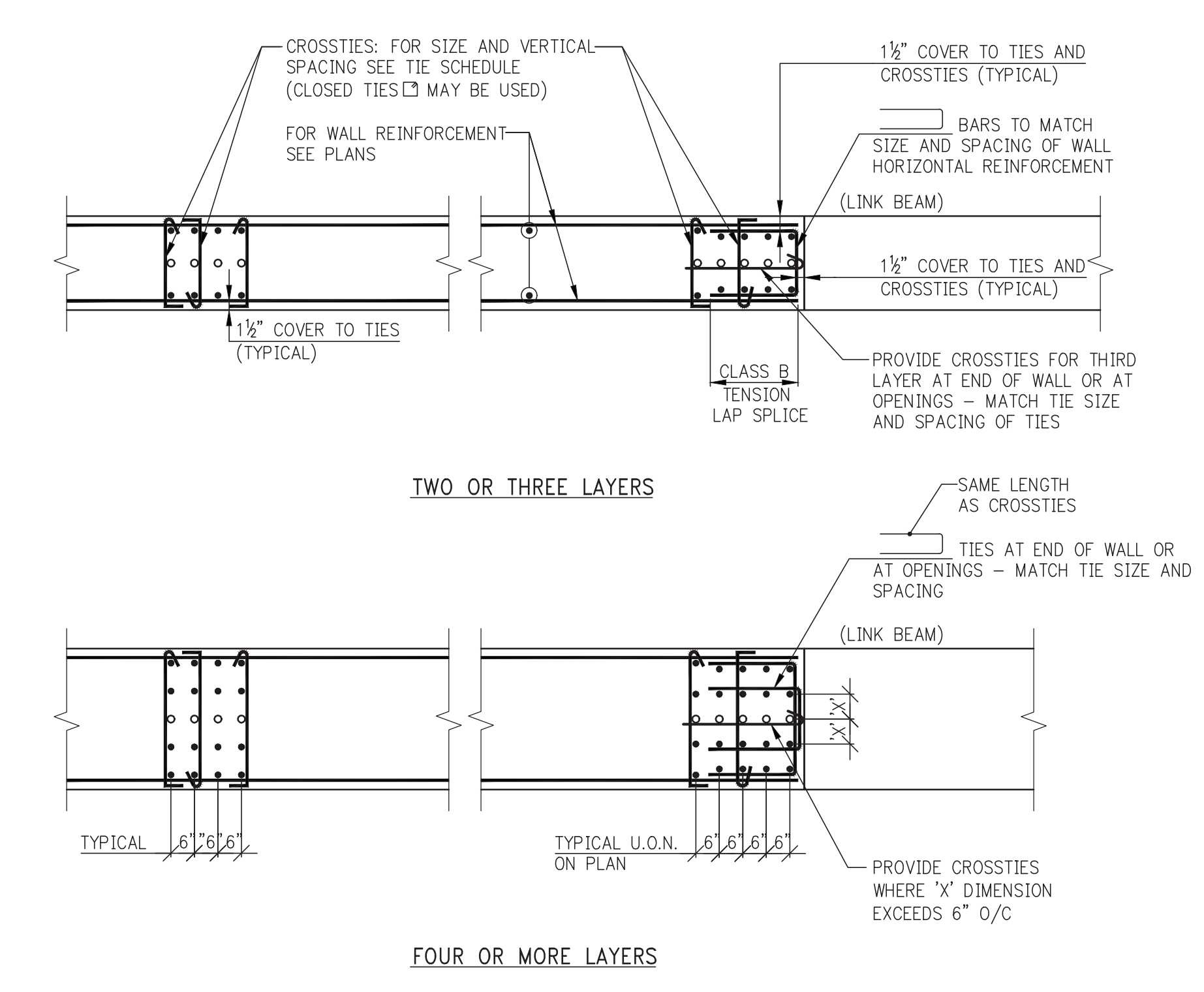
WALL THICKNESS (INCHES)	HORIZONTAL AND VERTICAL EACH FACE
UP TO 12	#4@12
12+ TO 16	#4@10
16+ TO 20	#5@12
20+ TO 24	#5@10
24+ TO 28	#6@12
28+ TO 34	#6@10
34+ TO 40	#7@12
40+ TO 48	#7@10
48+ TO 52	#8@12
52+ TO 60	#8@10
60+ TO 66	#9@12

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

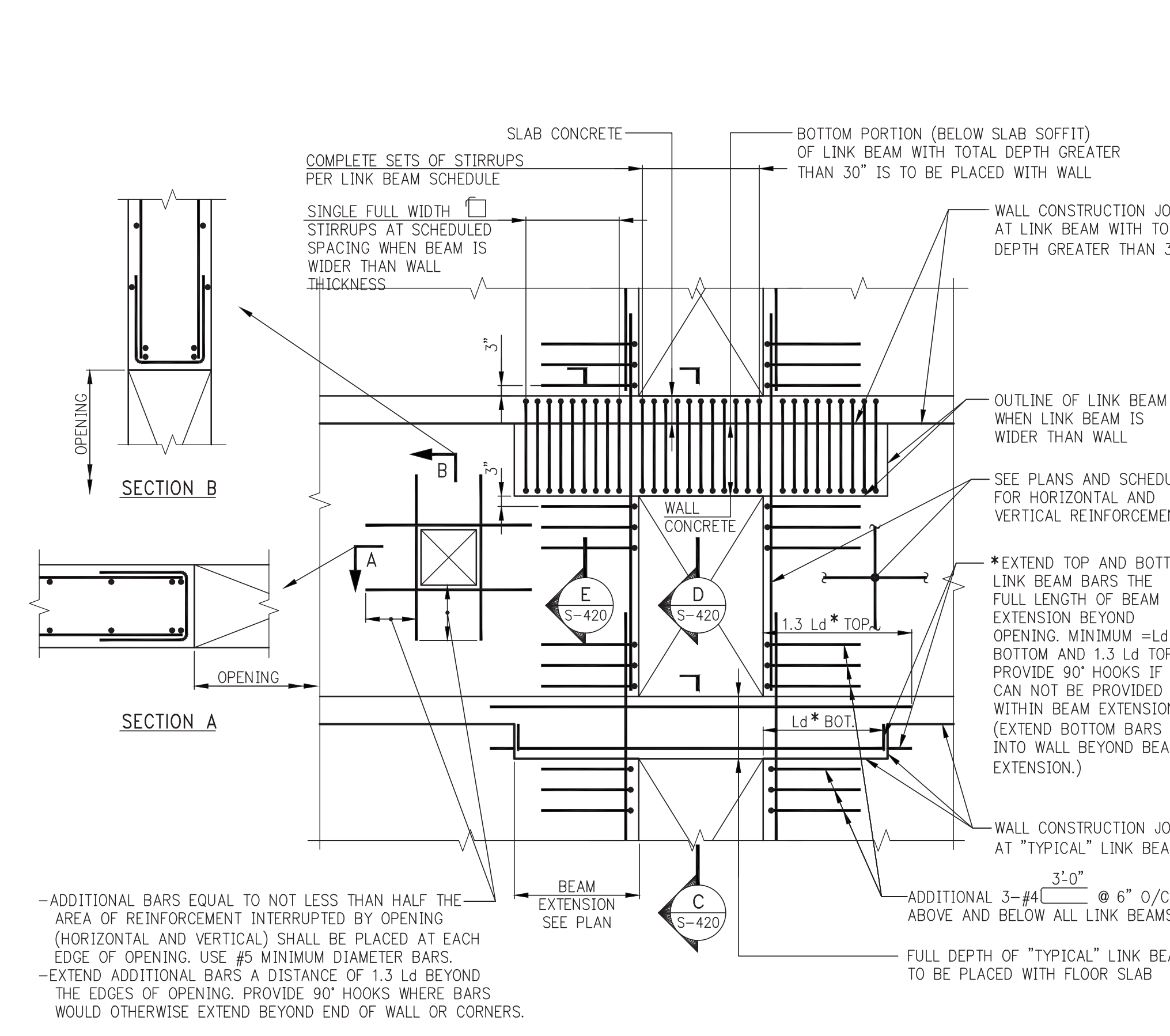
SHEARWALL TIE SCHEDULE

NON-TYPICAL VERTICAL BAR SIZE	#4 TIES VERTICAL SPACING(S), BUT NOT TO EXCEED WALL THICKNESS (INCHES)
#6	12
#7	14
#8	16
#9	18
#10	20
#11	22
BUNDLE OF 2 (UP TO #11)	18
#14, #18, #20	24

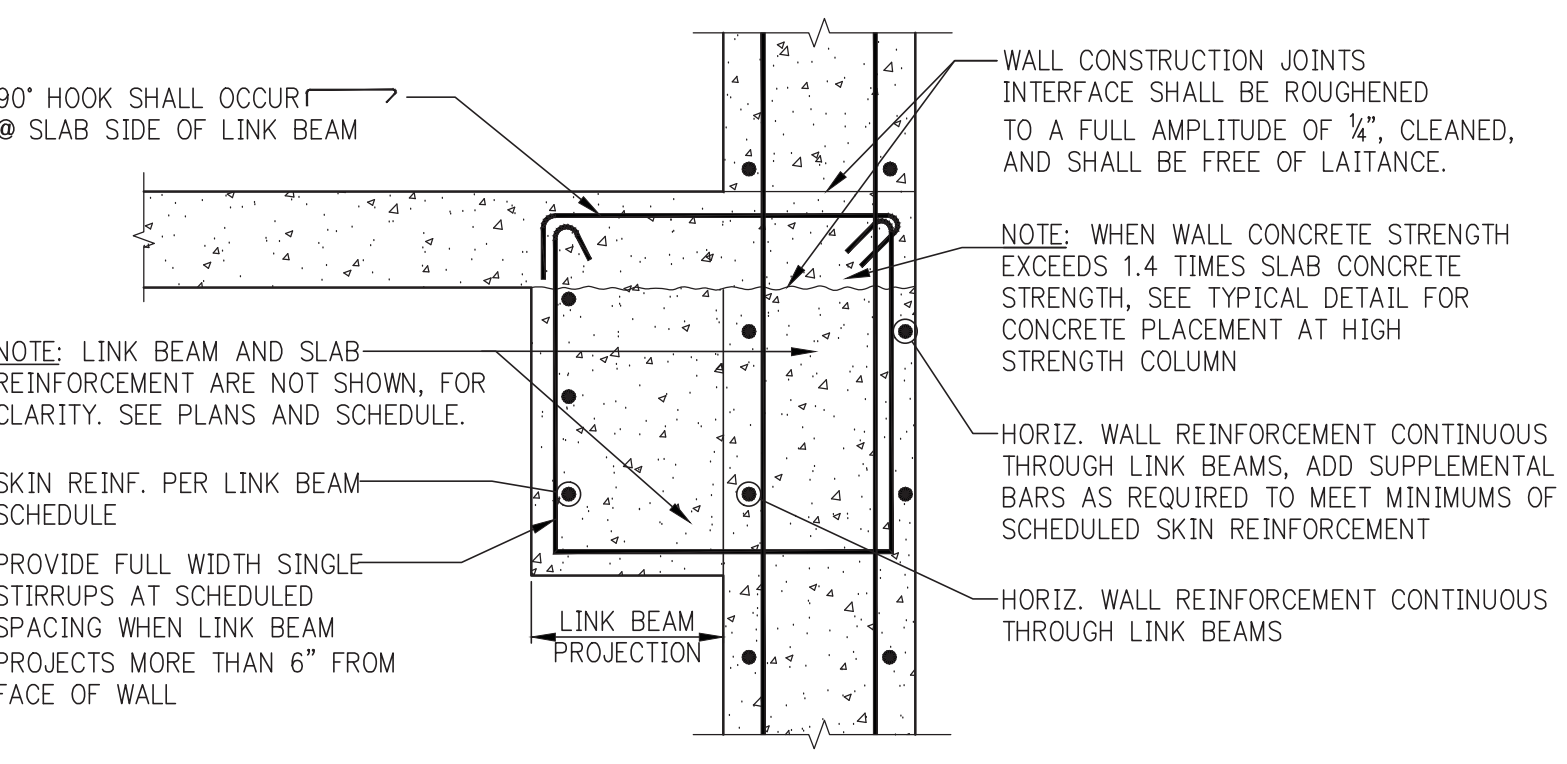
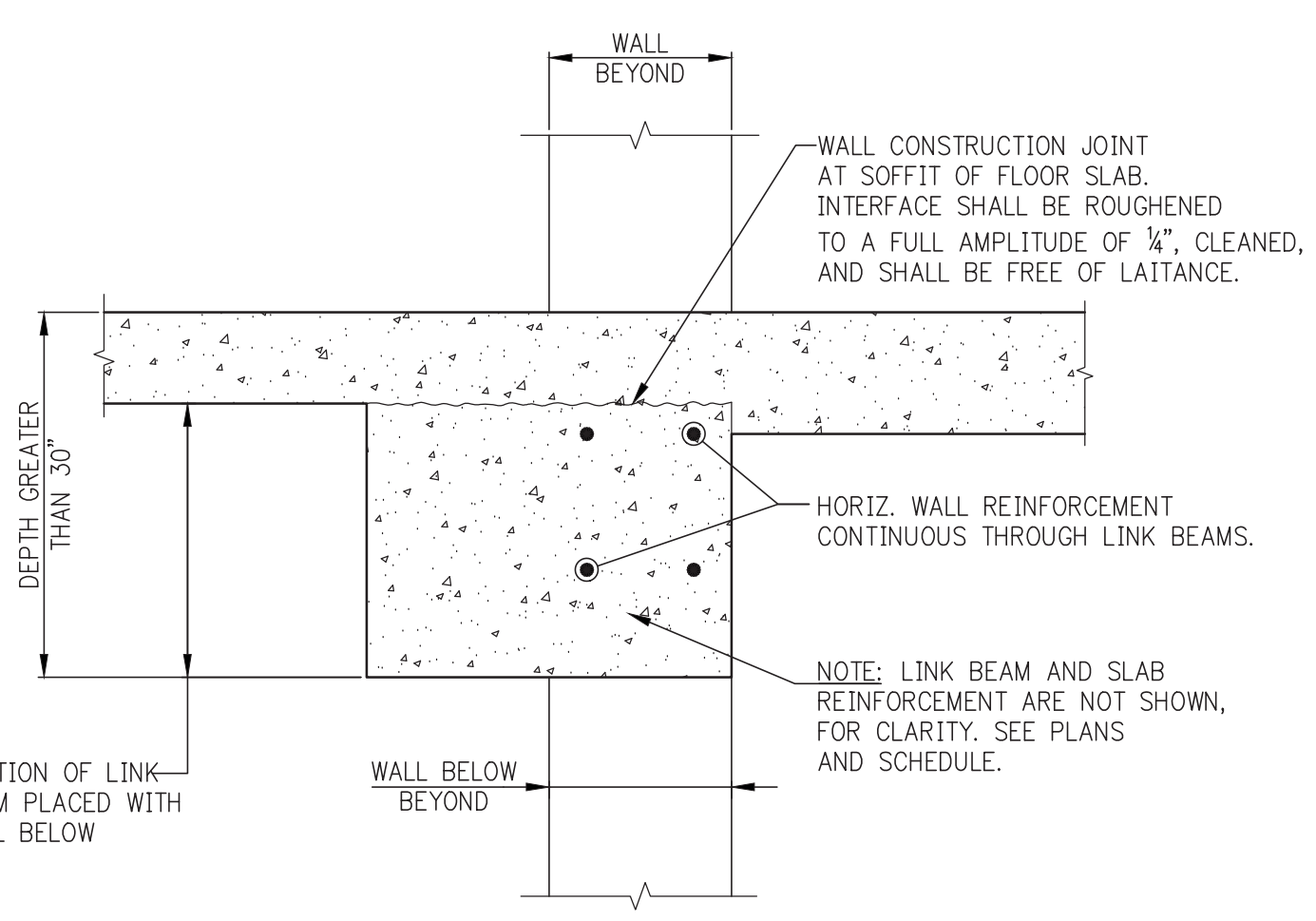
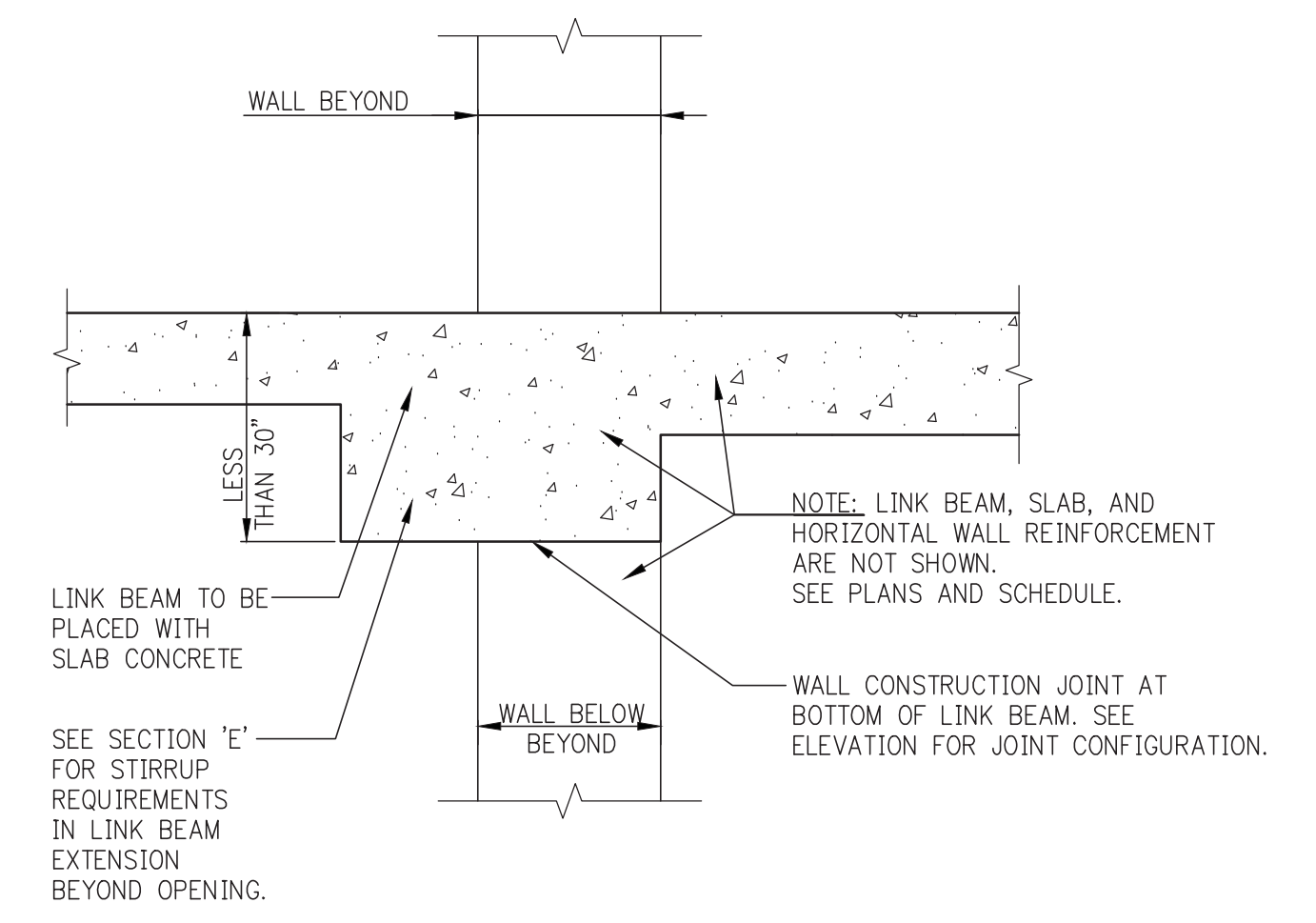
NOTES:
 1. LOCATE LOWEST SET OF TIES 5/2 ABOVE TOP OF SLAB.
 2. LOCATE TOP SET OF TIES WITHIN 5/2 OF BOTTOM REINFORCEMENT IN SLAB OR LINK BEAM.



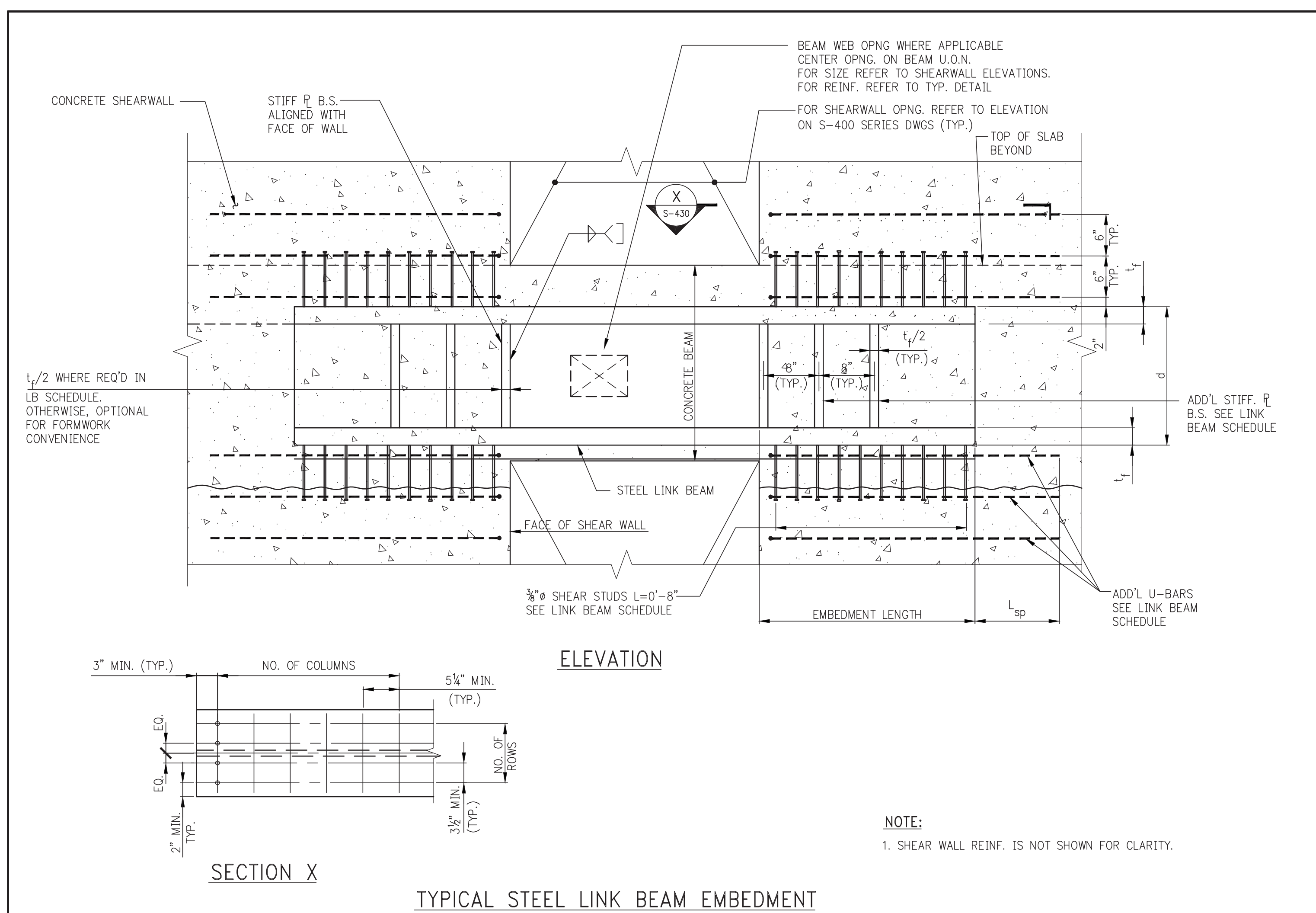
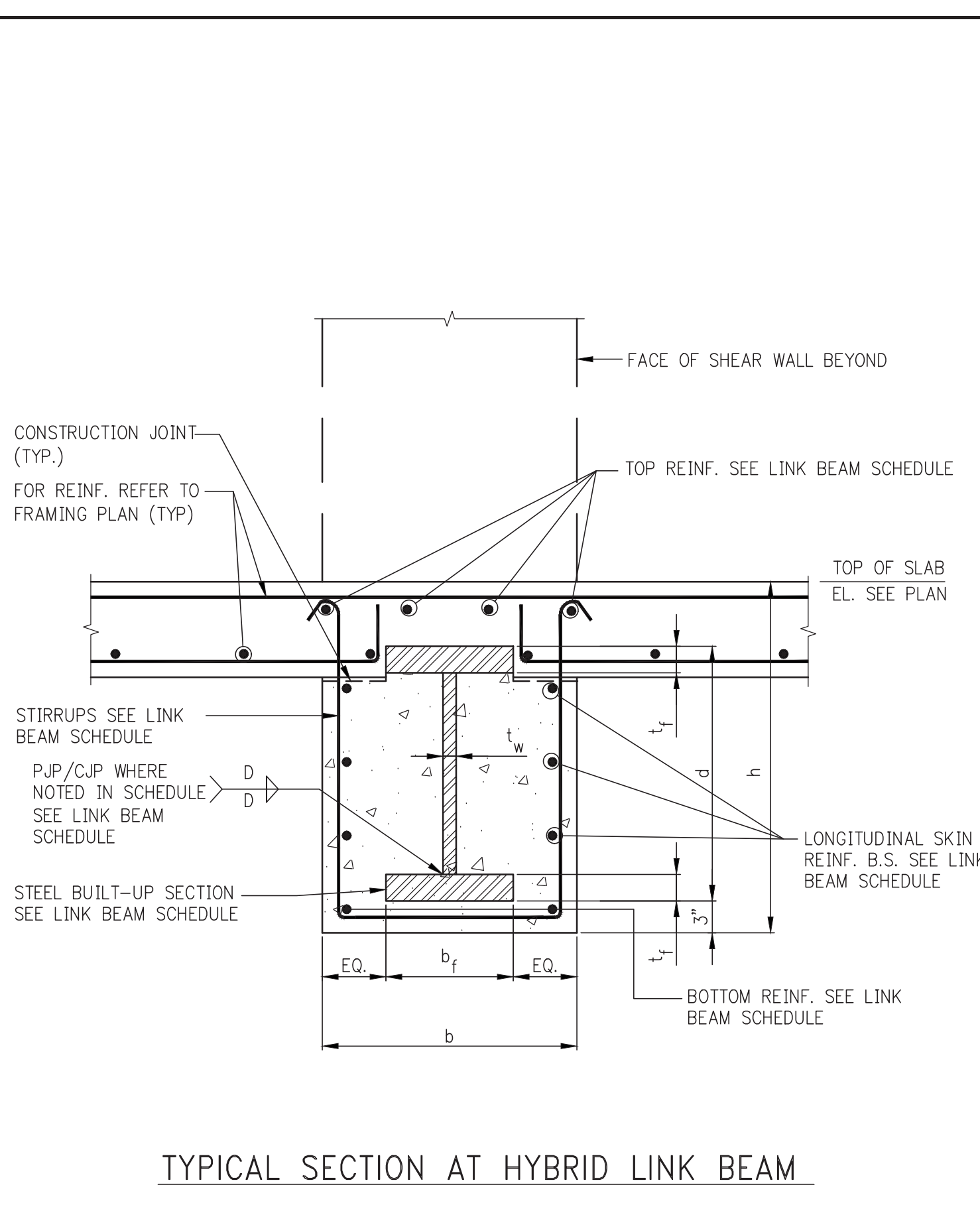
TIE ARRANGEMENTS AT "COLUMN" VERTICAL REINFORCEMENT



- SHEARWALL NOTES:**
- ALL SHEARWALL REINFORCEMENT (HORIZONTAL AND VERTICAL) IS TO BE TENSION LAP SPICED. SEE LAP SPLICE IN S-960 SERIES DRAWINGS.
 - ALL NON-TYPICAL VERTICAL BARS UNSUPPORTED BY A LATERAL TIE SHALL BE SPACED NO MORE THAN 6" CLEAR ON BOTH SIDES FROM SUCH LATERALLY SUPPORTED BARS.
 - ALTERNATE 90° AND 135° ENDS ON CONSECUTIVE SINGLE LEO CROSS-TIES THROUGHOUT HEIGHT OF WALL.
 - FOR MINIMUM TYPICAL REINFORCEMENT SEE SCHEDULE ON THIS DRAWING.
 - WHERE HEAVIER REINFORCEMENT IS SHOWN ON S-400 SERIES ELEVATIONS OR DETAILS, THE HEAVIER REINFORCEMENT SHALL BE USED IN LIEU OF REINFORCEMENT SHOWN ON SHEARWALL PLANS, UNLESS NOTED AS "ADDITIONAL." (AN ASTERISK (*) MAY BE SHOWN TO DENOTE SUCH SUBSTITUTIONS).
 - NO OPENING OTHER THAN THOSE SHOWN ON STRUCTURAL DRAWINGS MAY BE PLACED WITHOUT APPROVAL OF THE ENGINEER OF RECORD.
 - CONTRACTOR SHALL SUBMIT CONSOLIDATED SHOP DRAWINGS FOR ALL OPENINGS PROPOSED (SUCH AS STRUCTURAL, ARCHITECTURAL, MEP) TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL.
 - NO VERTICAL CONSTRUCTION JOINTS ARE PERMITTED IN SHEARWALLS WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER OF RECORD. KEYS AND DOWELS MUST BE AS DEFINED BY THE E.O.R.
 - SEE PLANS AND ELEVATIONS FOR SHEARWALL LOCATIONS, DIMENSIONS, REINFORCEMENT, OPENINGS, LINK BEAM LOCATIONS, ETC.
 - FOR LINK BEAM SIZES SEE LINK BEAM SCHEDULE IN S-440 SERIES DRAWINGS.
 - SEE COLUMN SCHEDULES ON S-500 SERIES DRAWINGS FOR CONCRETE STRENGTH REQUIRED AT EACH LEVEL.
 - FOR MINIMUM REQUIRED MODULUS OF ELASTICITY OF CONCRETE, SEE SCHEDULE ON THIS DRAWING.



SECTION THROUGH LINK BEAM PLACED WITH SLAB SECTION THROUGH LINK BEAM WITH DEPTH >30" PLACED PARTIALLY WITH WALL SECTION THROUGH WALL AT LINK BEAM EXTENSION BEYOND OPENING



NOTE:
 1. SHEAR WALL REINFORCING IS NOT SHOWN FOR CLARITY.

DEPT. OF BUILDINGS

KEY PLAN

PROJECT NORTH

DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
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1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	FOUNDATION BID PACKAGE	04-04-2014
4	STEEL BID PACKAGE	05-22-2014
5	SUPERSTRUCTURE CONCRETE BID	06-02-2014
6	DESIGN DEVELOPMENT	07-01-2014
7	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
8	STRUCTURAL STEEL BID	08-15-2014
9	CD PROGRESS ISSUE 1	10-15-2014
10	ISSUED FOR CONSTRUCTION UP TO 5TH FL ONLY	11-07-2014
11	DOB SUBMISSION	12-19-2014
12	DOB SUBMISSION	02-05-2015
13	CONSTRUCTION DOCUMENTS ISSUE 3	03-09-2015
14	PROGRESS CD	05-08-2015
15	DOB AMENDMENT 2	09-16-2015

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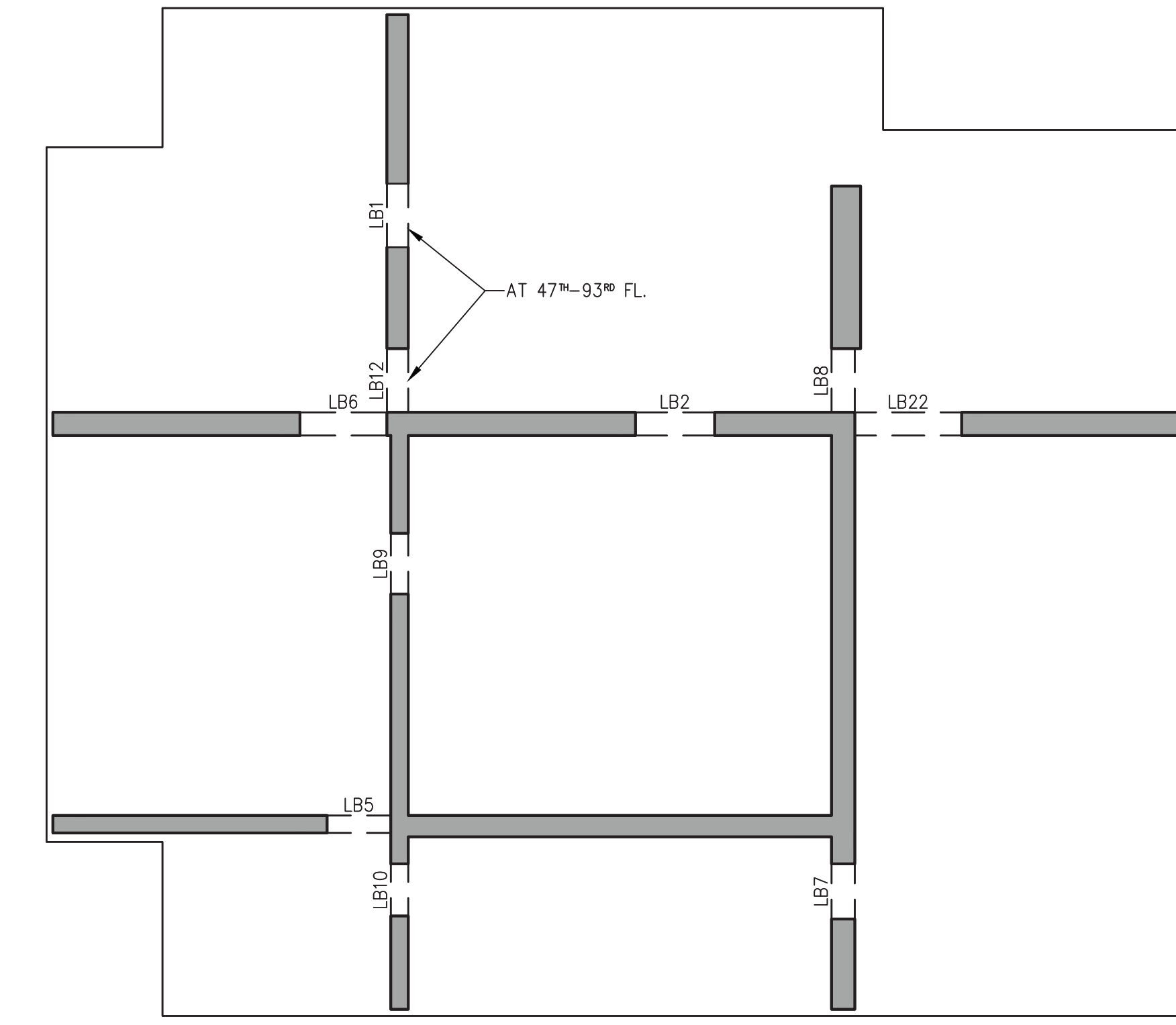
DRAWING TITLE:
TYPICAL CONCRETE SHEAR WALL DETAILS

SEAL & SIGNATURE: [Signature] DATE: 03-31-14
 PROJECT No: 2012185
 DRAWN: CADD REV: 15
 CHK: Y.E. SCALE: AS INDICATED
 DWG No: **S-430.01**
 DOB EMPLOYEE ID: 109 OF 158
 DOB B-SCAN:

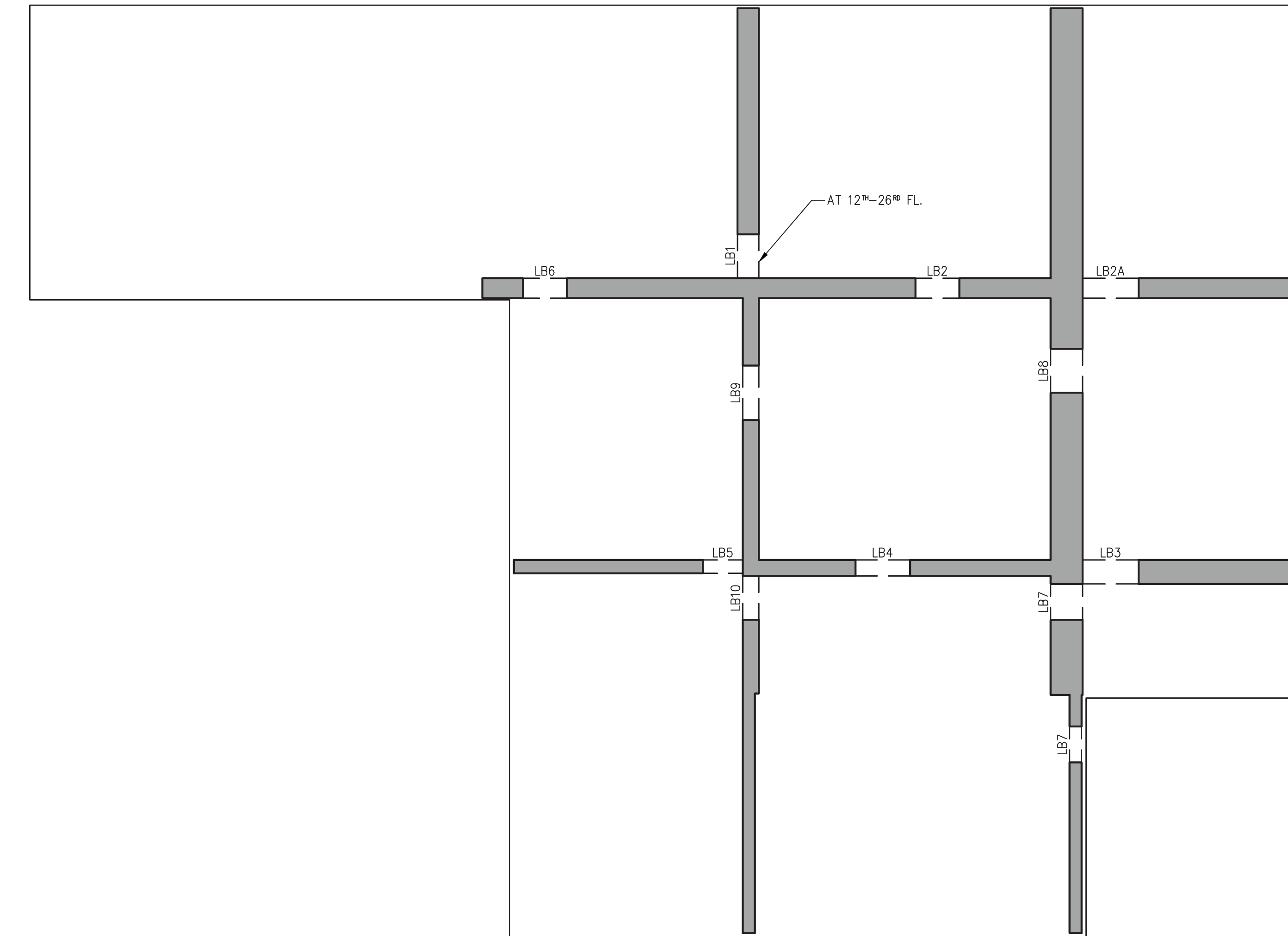
MARK	FLOOR	SIZE (IN.)	TOP & BOT. REINF.	STIRRUP			LONGITUDINAL SKIN REINF.	REMARKS	
				SIZE	TYPE	SPACING			
LB1	80 - 70	56 X 42							
	66 - 47	60 X 42							
	26 - 12	64 X 30							
	9	64 X 71							
	8 - 7	36 X 126							
	6 - 3	36 X 84							
	CELLAR	36 X 84							
	SC1 - SC2	36 X 48							
	LB2	TOP - 92	60 X 42						
		91	60 X 188						
90 - 68		60 X 42							
67		60 X 188							
66 - 47		72 X 42							
46		72 X 138							
45 - 28		72 X 30							
27		72 X 138							
26 - 12		72 X 30							
11M2		72 X 150							
10		60 X 42							
9		60 X 142							
8		36 X 126							
7		60 X 126							
6 - 3		36 X 84							
2		36 X 120							
1 - CELLAR		36 X 84							
SC1 - SC2		36 X 48							
LB2A		27 - 13	72 X 30						
	12	60 X 150							
	11M2	60 X 24							
	LB3	27 - 20	72 X 30						
		11	72 X 24						
7		24 X 126							
6 - 3		36 X 84							
2		30 X 120							
1 - CELLAR	36 X 84								
LB4	TOP - 92	16 X 42							
	91	16 X 188							
	89 - 68	16 X 42							
	67	22 X 188							
	26 - 12	50 X 30							
	11M2	50 X 150							
	1 - CELLAR	30 X 210							
	LB5	TOP - 92	56 X 42						
		91	56 X 188						
		90	56 X 216						
89		56 X 192							
87 - 68		56 X 42							
67		60 X 196							
66 - 48		60 X 42							
47		40 X 150							
46 - 28		40 X 30							
27		40 X 138							
26		50 X 150							
25 - 12		50 X 30							
12		50 X 150							
10		50 X 192							
LB6		TOP - 92	56 X 42						
		91	56 X 188						
		89 - 68	56 X 42						
		65 - 47	72 X 42						
		46	72 X 138						
	45	60 X 150							
	44 - 28	60 X 30							
	26 - 12	84 X 30							
	10	36 X 42							
	9	36 X 142							
	8	36 X 126							
	LB7	67	72 X 188						
		66 - 47	72 X 42						
46		72 X 138							
45 - 28		72 X 30							
27		72 X 138							
26		72 X 150							
25 - 12		78 X 30							
11M2		72 X 150							
LB8	67	72 X 188							
	66 - 47	72 X 42							
	44 - 29	84 X 30							
	28 - 12	72 X 30							
	LB9	TOP - 92	56 X 42						
91		56 X 188							
90 - 68		56 X 42							
67		56 X 188							
66 - 47		72 X 42							
46		72 X 138							
45 - 28		72 X 30							
27		60 X 138							
26 - 12		60 X 30							
11M2		60 X 150							
10		60 X 42							
9		60 X 71							
8 - 7	60 X 126								

MARK	FLOOR	SIZE (IN.)	TOP & BOT. REINF.	STIRRUP			LONGITUDINAL SKIN REINF.	REMARKS	
				SIZE	TYPE	SPACING			
LB10	TOP	60 X 42							
	92	56 X 42							
	91	56 X 188							
	90 - 89	56 X 42							
	68	56 X 42							
	67	56 X 188							
	66 - 47	60 X 42							
	46	60 X 138							
	45 - 29	54 X 30							
	28	54 X 138							
LB12	TOP - 92	56 X 42							
	91	56 X 188							
	90 - 68	56 X 42							
	67	54 X 196							
	66 - 47	54 X 42							
	LB20	67	36 X 42						
		LB21	67	24 X 42					
	LB22		46	24 X 30					
		LB23	7	24 X 126					
	6		24 X 84						
LB24	7	24 X 126							
	6	24 X 84							
LB25	5 - 3	24 X 84							
	CELLAR	24 X 84							
	SC1	24 X 48							
LB26	SC2	24 X 48							
	LB27	CELLAR	24 X 84						
SC1		24 X 48							
LB28	CELLAR	24 X 42							

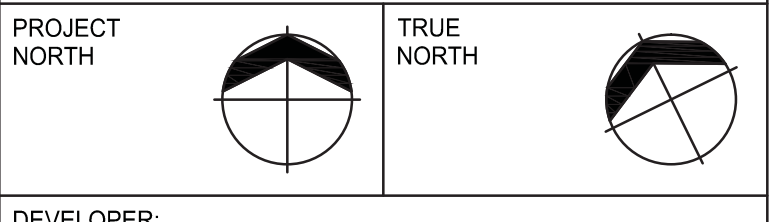
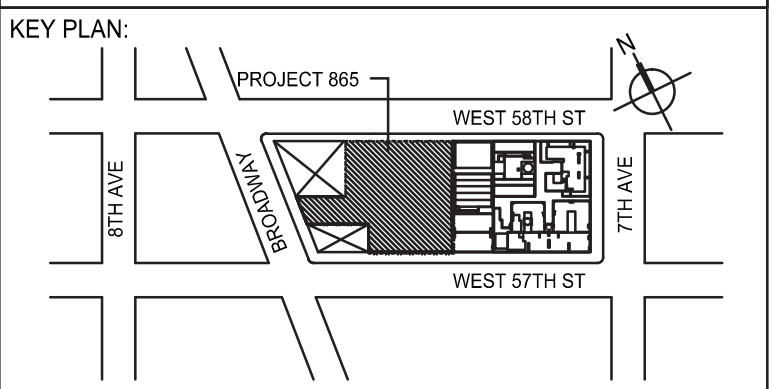
NOTES:
 * DIMENSION SHOWN INDICATES DISTANCE FROM FACE OF WALL OPENING TO END OF LINK BEAM.
 1. ALL TOP AND BOTTOM REINFORCEMENT SHALL BE ONE LAYER U.O.N.



LB KEYPLAN TOWER



LB KEYPLAN PODIUM



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

DESIGN ARCHITECT: Base Building Shell & Core
ADRIAN SMITH + GORDON GILL ARCHITECTURE
 111 WEST MONROE STREET SUITE 2300
 CHICAGO, IL 60603
 TEL: 312 920 1888 FAX: 312 900 1775

INTERIOR DESIGNER: Residential
Rotter Architecture and Design Studio, PLLC
 288 Fifth Ave, 7th Floor
 New York, NY 10001
 TEL: 646 988 7000 FAX:

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
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 401 Wellington St., 3rd Floor
 Toronto, ON M5V 1E7 Canada
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MEP ENGINEERS:
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 New York, NY 10036 USA
 TEL: 212 354 5656 FAX: 212 354 5668

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

CODE CONSULTANTS:
Construction Consulting Associates
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 TEL: 212 757 8650 FAX: 646 219 8508

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

No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	STEEL BID PACKAGE	06-22-2014
4	SUPERSTRUCTURE CONCRETE BID	06-02-2014
5	DESIGN DEVELOPMENT	07-01-2014
6	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
7	CD PROGRESS ISSUE 1	10-15-2014
8	DOB SUBMISSION	12-18-2014

DOB SUBMISSION

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

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

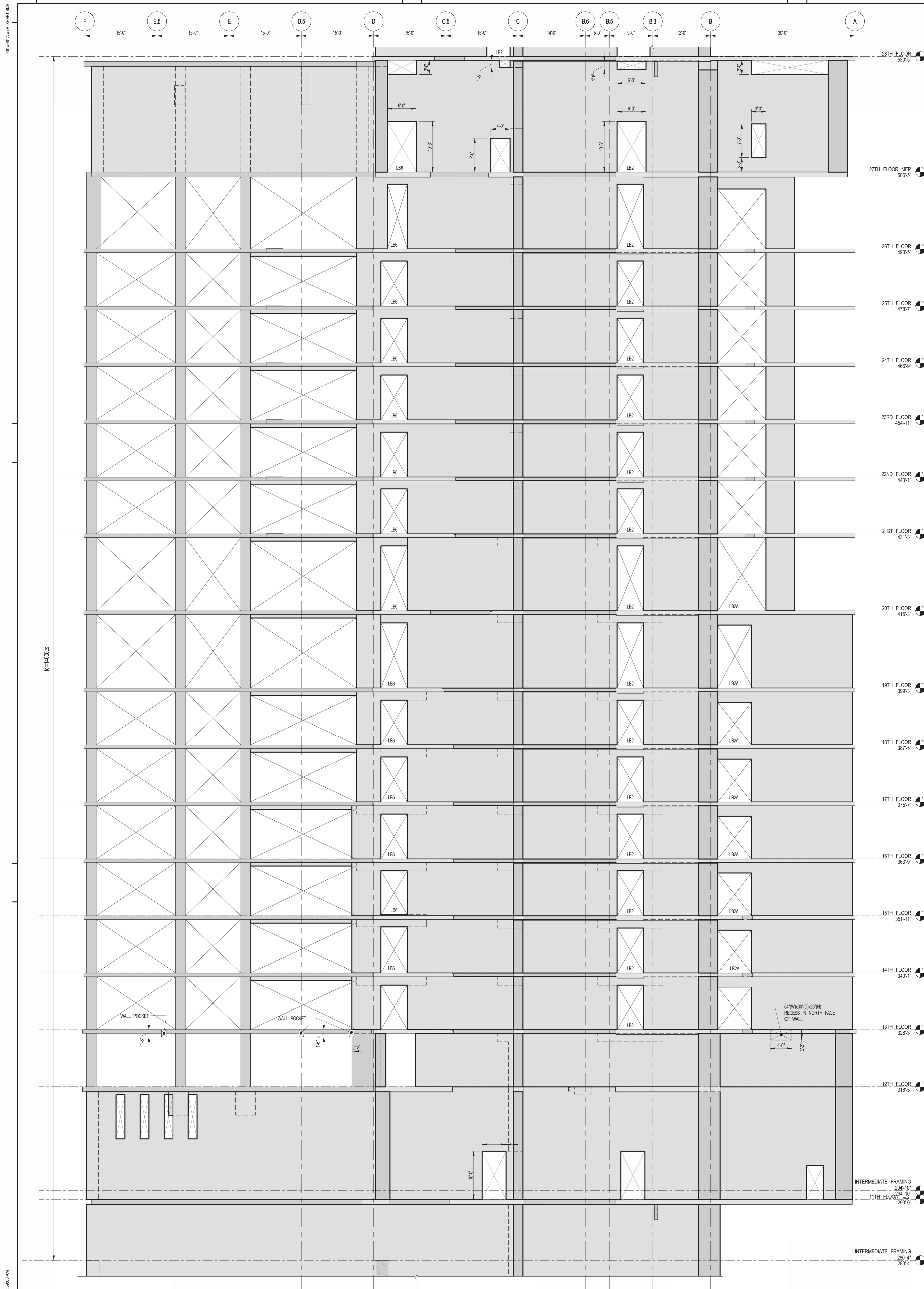
DRAWING TITLE:
**LINK BEAM
 SCHEDULE**

SEAL & SIGNATURE: PROJECT No: 2012185 DATE: 03/31/14

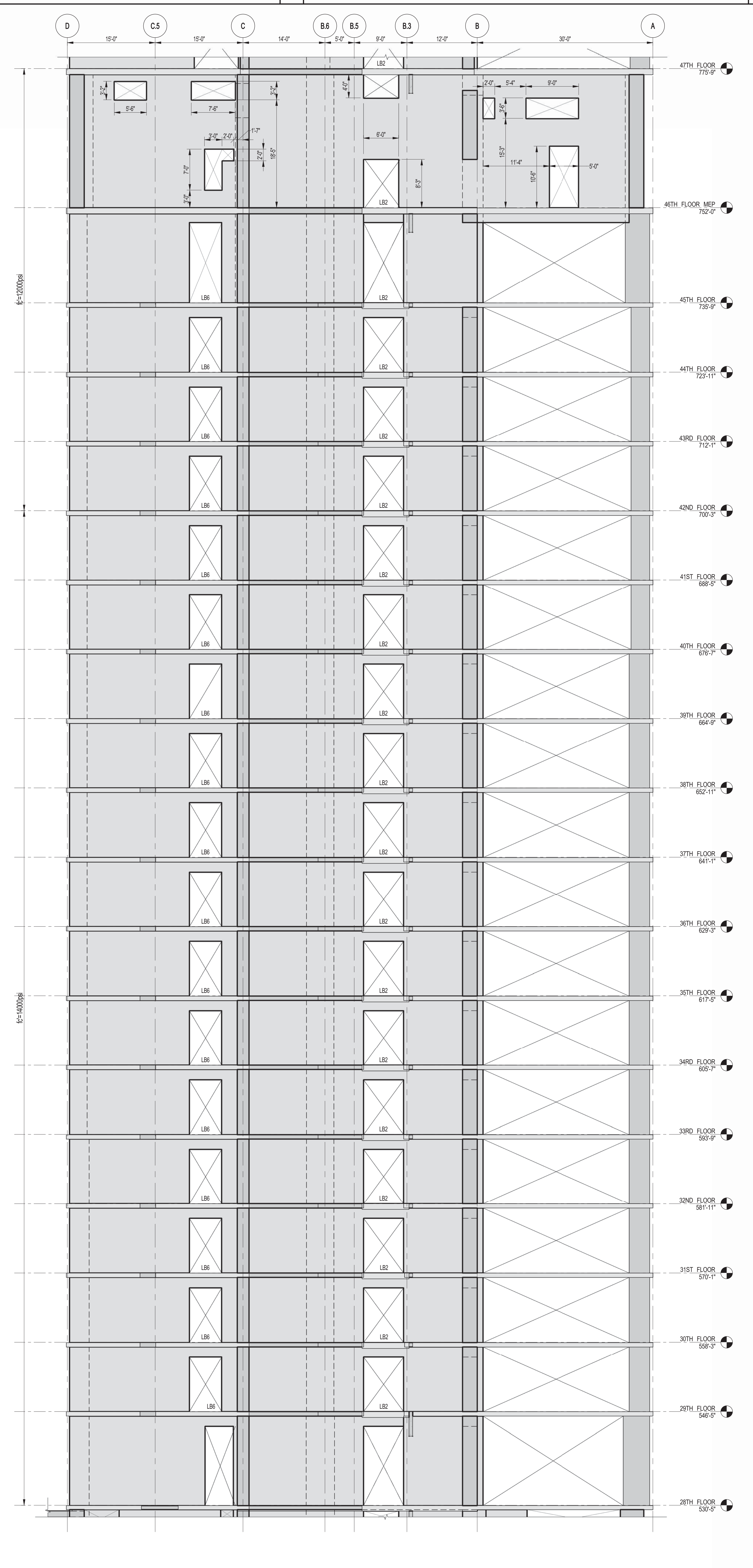
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 CHK: Y.E.
 SCALE: AS INDICATED
 DWG No: **S-440.00**

DOB PAGE No: 75 OF 118 DOB PAGE No: 75 OF 118 DOB S-CAN:

DOB EMPLOYEE STAMP:
Damian Titus
 Buildings
 APPROVED
 Under Directive 2 of 1995
 Date: 07/09/2015
 NYC Development Hub



1 SHEARWALL EL. ALONG GL 3
S-451 SCALE: 1/8" = 1'-0"



2 SHEARWALL EL. ALONG GL 3
S-451 SCALE: 1/8" = 1'-0"

KEY PLAN

PROJECT NORTH **TRUE NORTH**

DEVELOPER: EXTCELL DEVELOPMENT COMPANY
805 THIRD AVENUE, 7TH FLOOR
NEW YORK, NY 10022 USA
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DESIGN ARCHITECT: Base Building Shell & Core
ADRIAN SMITH + GORDON GILL ARCHITECTURE
111 WEST MONROE STREET SUITE 2300
CHICAGO, IL 60603
TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER: Residential
Rottet Architecture and Design Studio, PLLC
288 5th Ave, 7th Floor
New York, NY 10001
TEL: 646 988 7000 FAX:

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
AJM ARCHITECTS, P.C.
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MEP ENGINEERS: AKF GROUP
1501 Broadway
New York, NY 10036 USA
TEL: 212 354 5656 FAX: 212 354 5668

GEOTECHNICAL ENGINEERS: Langan Engineering & Environmental Services
21 Penn Plaza - 360 West 31st Street, 9th Floor
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TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS: Construction Consulting Associates
100 Church Street
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CURTAINWALL CONSULTANT: A.J.L.P. Consulting
40 Worth Street, Suite 826
New York, NY 10013
TEL: 212 757 8559 FAX: 646 219 8508

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

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

DOB SUBMISSION

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

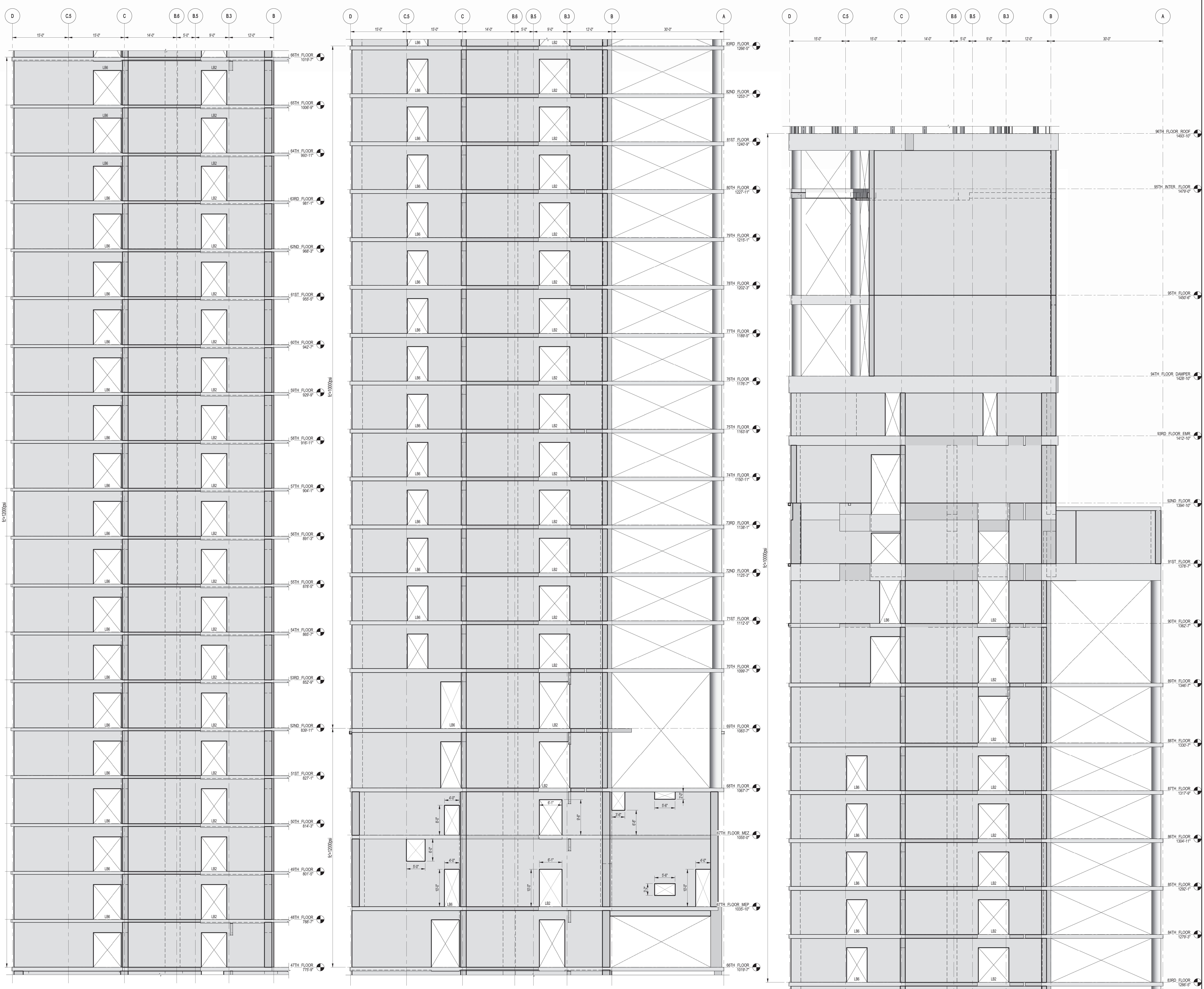
PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE: SHEARWALL ELEVATIONS ALONG GRIDLINE 3 (2 OF 3)

DATE: XX-XX-XX	PROJECT No: 2012185
DRAWN: CADDO	REV: 3
CHK: YE	SCALE: 1/8" = 1'-0"
DWG No: S-451.00	DOB PAGE No: 77 OF 118

DOB EMPLOYEE STAMP: Damian Titus
Buildings Approved Under Directive 2 of 1975
Date: 07/09/2015
NYC Development Hub

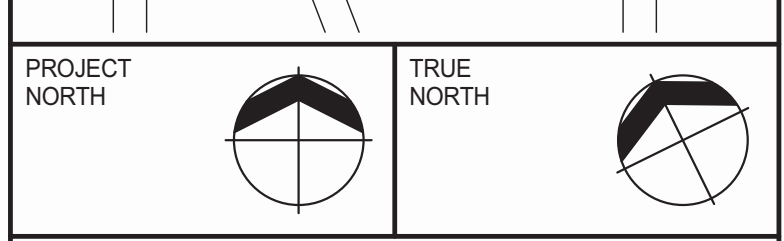
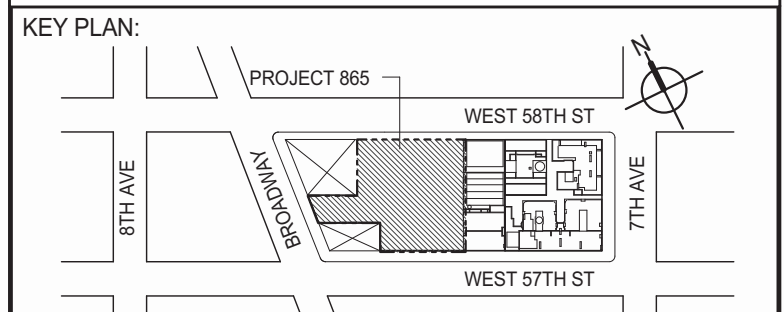
NOTES:
1. FOR NOTES SEE DRAWING S-450.



1 SHEARWALL EL. ALONG GL 3
S-452 SCALE: 1/8" = 1'-0"

2 SHEARWALL EL. ALONG GL 3
S-452 SCALE: 1/8" = 1'-0"

3 SHEARWALL EL. ALONG GL 3
S-452 SCALE: 1/8" = 1'-0"



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

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

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

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
AJM ARCHITECTS, P.C.
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STRUCTURAL ENGINEER: **WSP**
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CURTAINWALL CONSULTANT: **AJLP Consulting**
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TEL: 212 757 8559 FAX: 646 219 8508

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

No.	DESCRIPTION	DATE
1	CD PROGRESS ISSUE 1	10-15-2014
2	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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CONSULTANT: **WSP**
228 East 45th Street
New York, NY 10017
(212) 687-9888
www.wspgroup.com/us

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

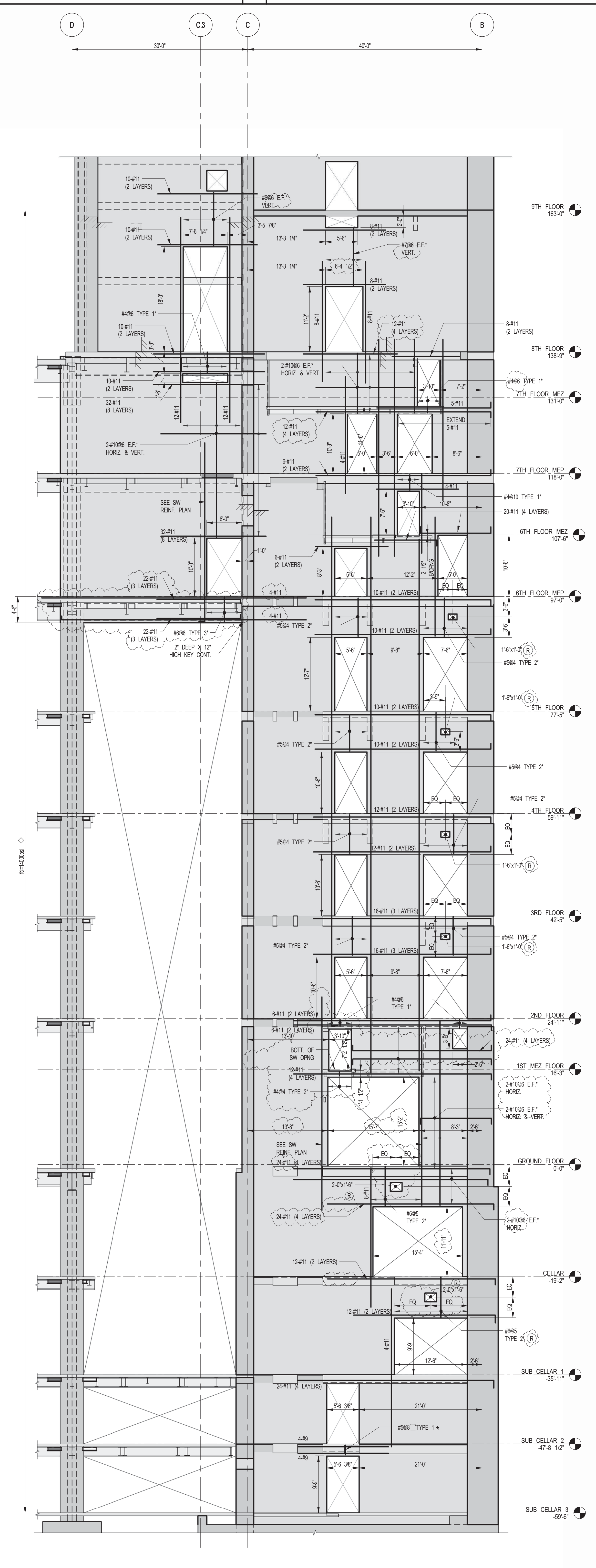
DRAWING TITLE: **SHEARWALL ELEVATIONS ALONG
GRIDLINE 3 (3 OF 3)**

SEAL & SIGNATURE: DATE: XX-XX-XX
PROJECT No: 2012185
DRAWN: CADDO REV: 2
CHK: YE
SCALE: 1/8" = 1'-0"
DWG No: **S-452.00**

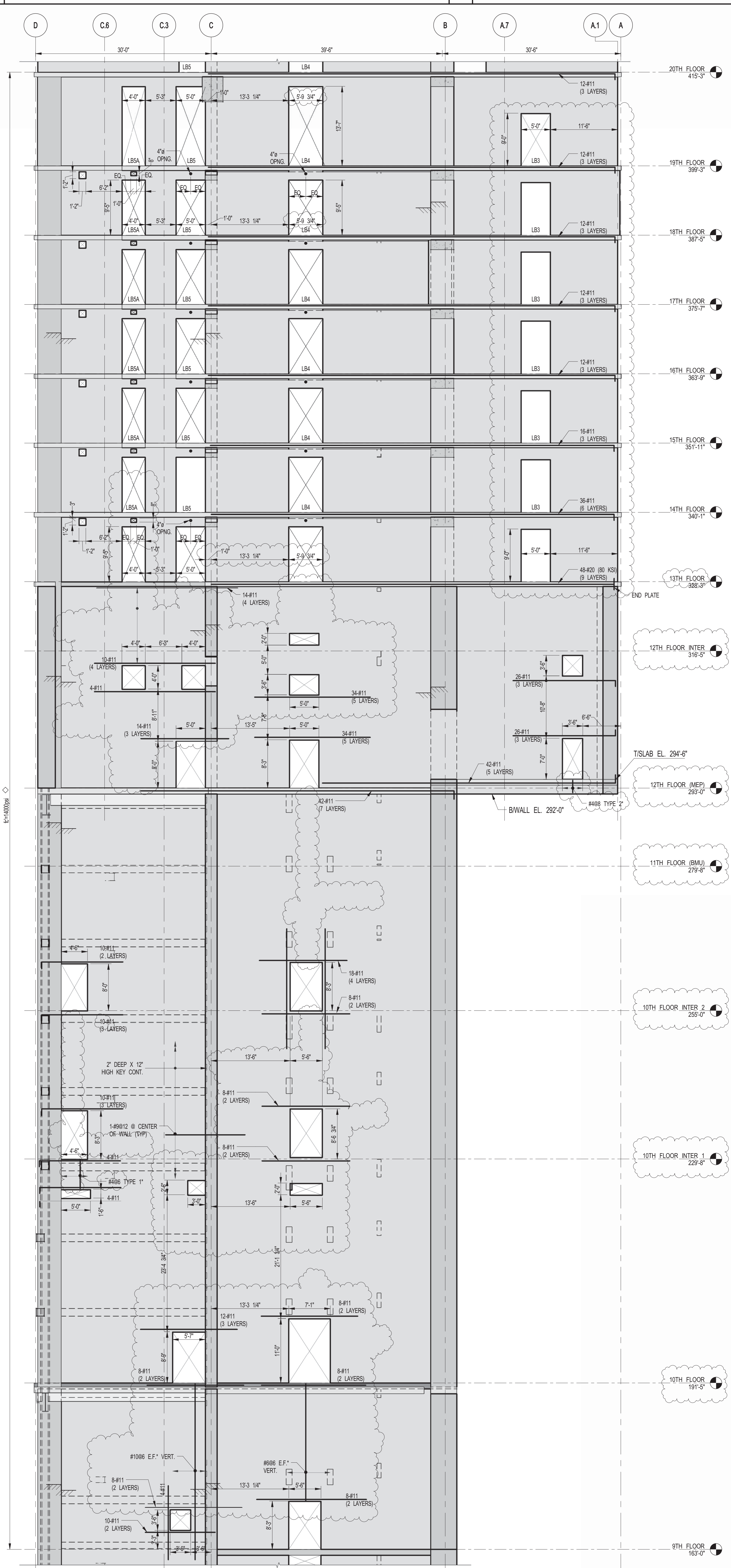
DOB EMPLOYEE STAMP: DOB PAGE No: 78 OF 118 DOB SCAN:

APPROVED Under Directive 2 of 1995 Date: 07/09/2015
NYC Development Hub

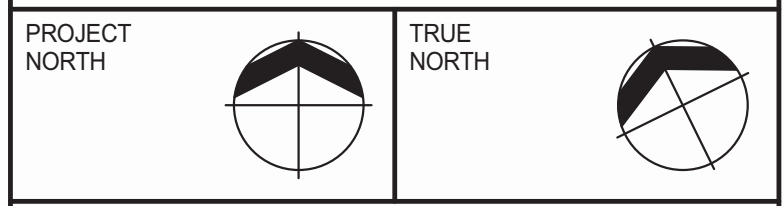
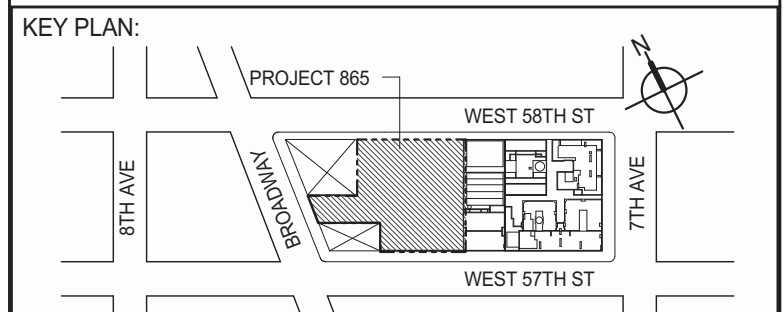
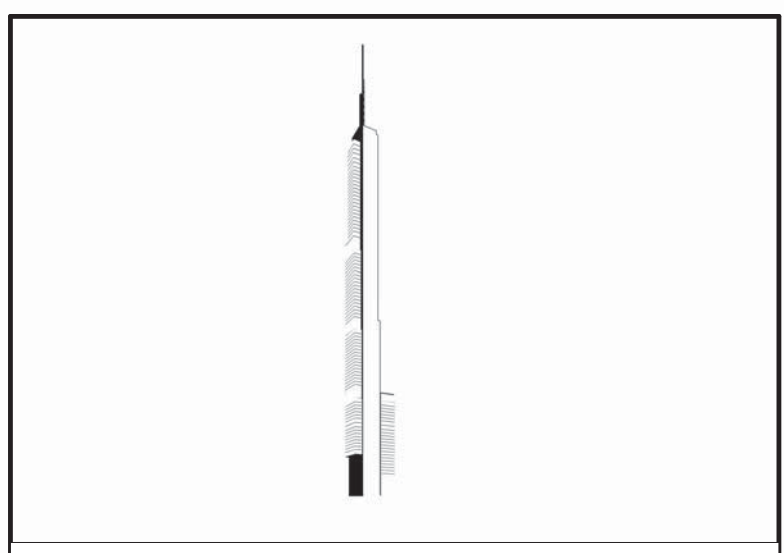
NOTES:
1. FOR NOTES SEE DRAWING S-453.



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



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



DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
805 THIRD AVENUE, 7TH FLOOR
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TEL: 212 712 6000 FAX: 212 712 6100

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

ARCHITECT OF RECORD: **Base Building Shell, Core, & Residential**
AJM ARCHITECTS, P.C.
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STRUCTURAL ENGINEER: **WSP**
228 EAST 45th STREET
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TEL: 212 687 9888 FAX: 646 487 5501

MEP ENGINEERS: **AKF GROUP**
1501 Broadway
New York, NY 10036 USA
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21 Penn Plaza - 360 West 31st Street, 9th Floor
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CURTAINWALL CONSULTANT: **AJLP Consulting**
40 Worth Street, Suite 826
New York, NY 10013
TEL: 212 757 8559 FAX: 646 219 8508

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

No.	DESCRIPTION	DATE
1	CD PROGRESS ISSUE 1	10-15-2014
2	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
3	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
4	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
5	DOB SUBMISSION	12-19-2014
6	DOB SUBMISSION	01-09-2015
7	DOB SUBMISSION	02-05-2015
8	CD UPDATE ISSUE	02-10-2015
9	CONSTRUCTION DOCUMENTS ISSUE 3	03-09-2015
10	PROGRESS CD	05-08-2015
11	CONSTRUCTION DOCUMENTS ISSUE 4	06-01-2015
12	CD PROGRESS ISSUE 5	08-10-2015
13	DOB AMENDMENT 2	09-18-2015


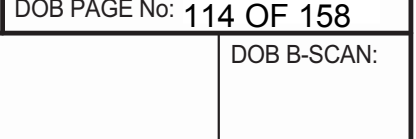
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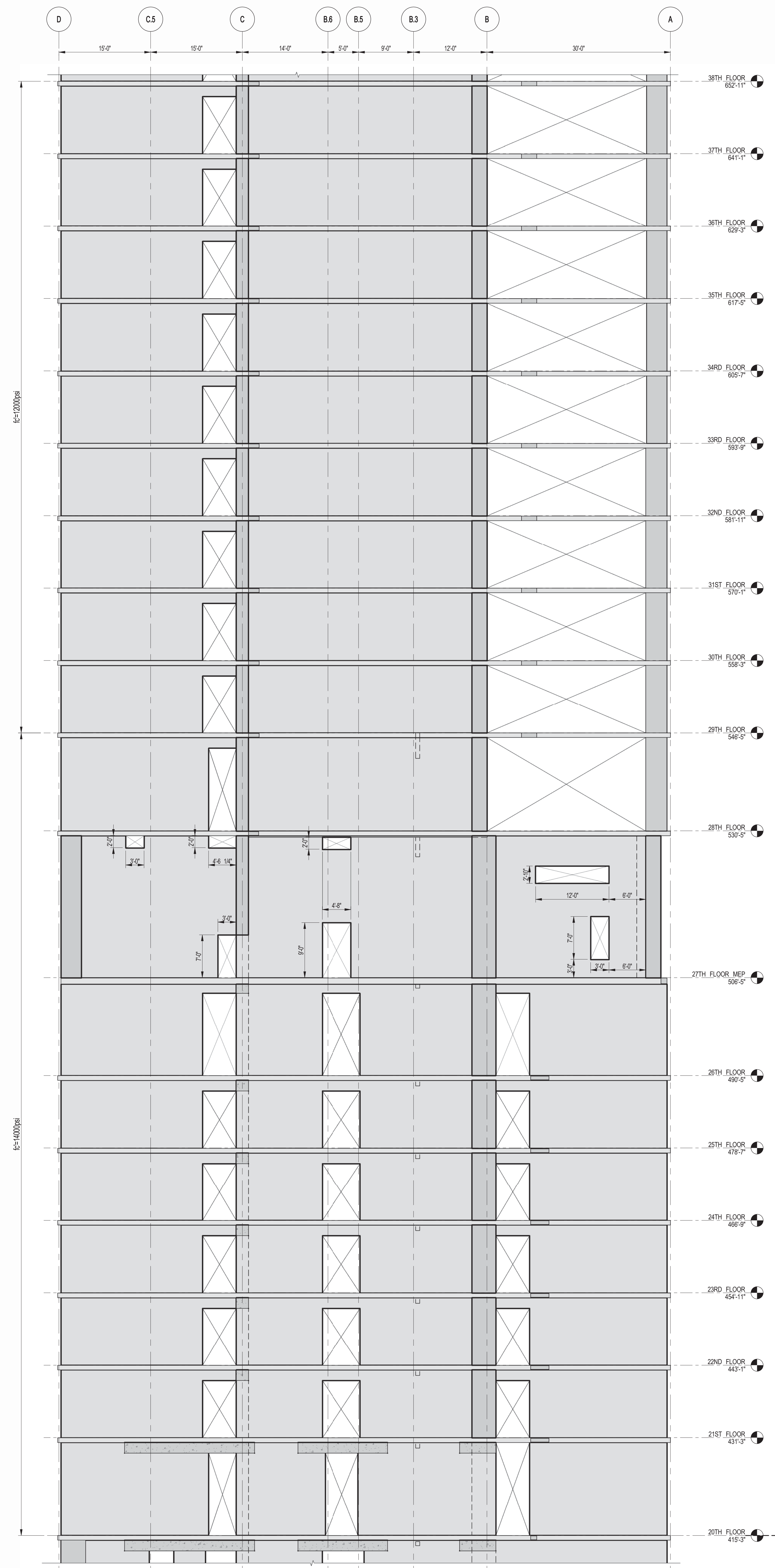
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CONSULTANT: **WSP**
228 East 45th Street
New York, NY 10017
(212) 687-9888
www.wspgroup.com/usca

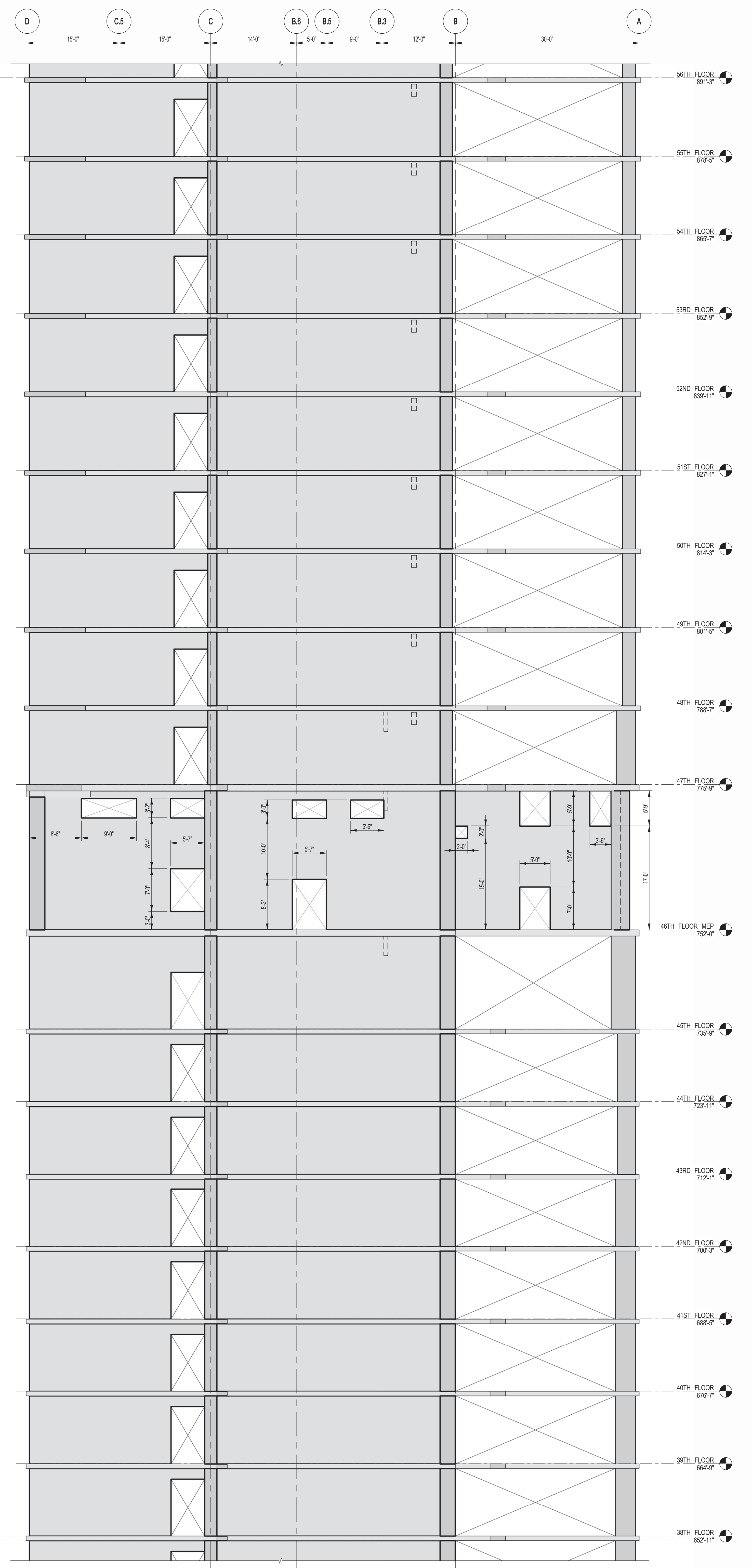
PROJECT: **217 WEST 57TH STREET
NEW YORK, NY**

DRAWING TITLE: **SHEARWALL ELEVATIONS ALONG
GRIDLINE 4 (1 OF 3)**

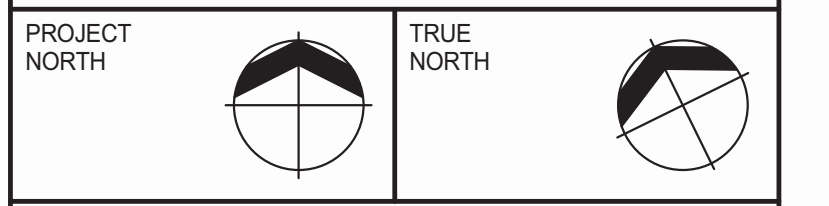
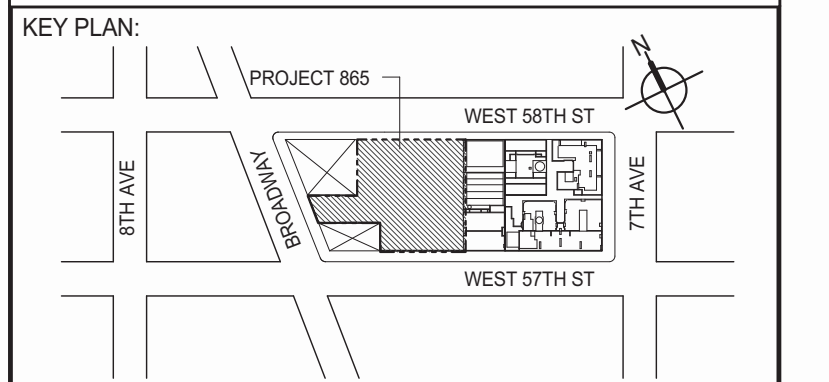
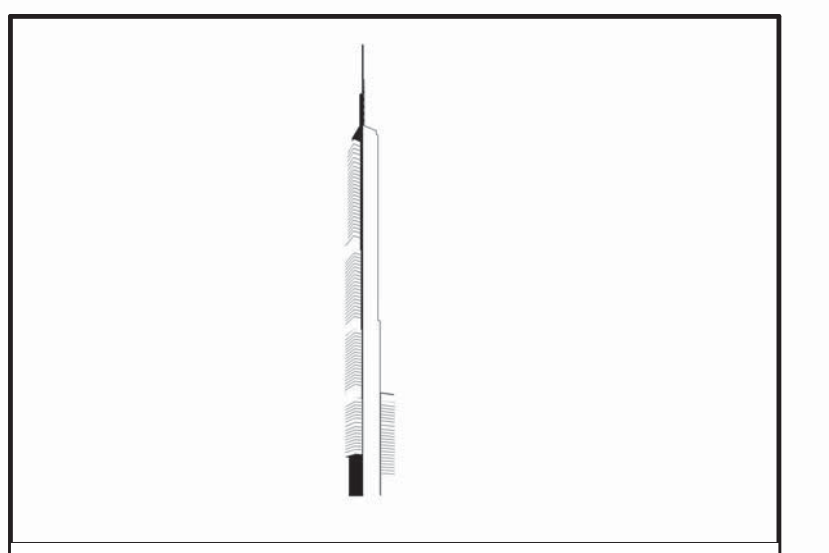
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PROJECT No: 2012185
DRAWN: CADDO REV: 13
CHK: YE
SCALE: 1/8" = 1'-0"
DWG No: **S-453.01**
DOB PAGE No: 114 OF 158
DOB EMPLOYEE STAMP:  DOB S-CAN:



1 SHEARWALL EL. ALONG GL 4
S-454 SCALE: 1/8" = 1'-0"



2 SHEARWALL EL. ALONG GL 4
S-454 SCALE: 1/8" = 1'-0"



DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
805 THIRD AVENUE, 7TH FLOOR
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111 WEST MONROE STREET SUITE 2300
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TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER: **Rottet Architecture and Design Studio, PLLC**
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ARCHITECT OF RECORD: **AJM ARCHITECTS, P.C.**
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MEP ENGINEERS: **AKF GROUP**
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GEOTECHNICAL ENGINEERS: **Langan Engineering & Environmental Services**
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TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS: **Construction Consulting Associates**
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40 Worth Street, Suite 826
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TEL: 212 757 8559 FAX: 646 219 8508

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

No.	DESCRIPTION	DATE
1	CD PROGRESS ISSUE 1	10-15-2014
2	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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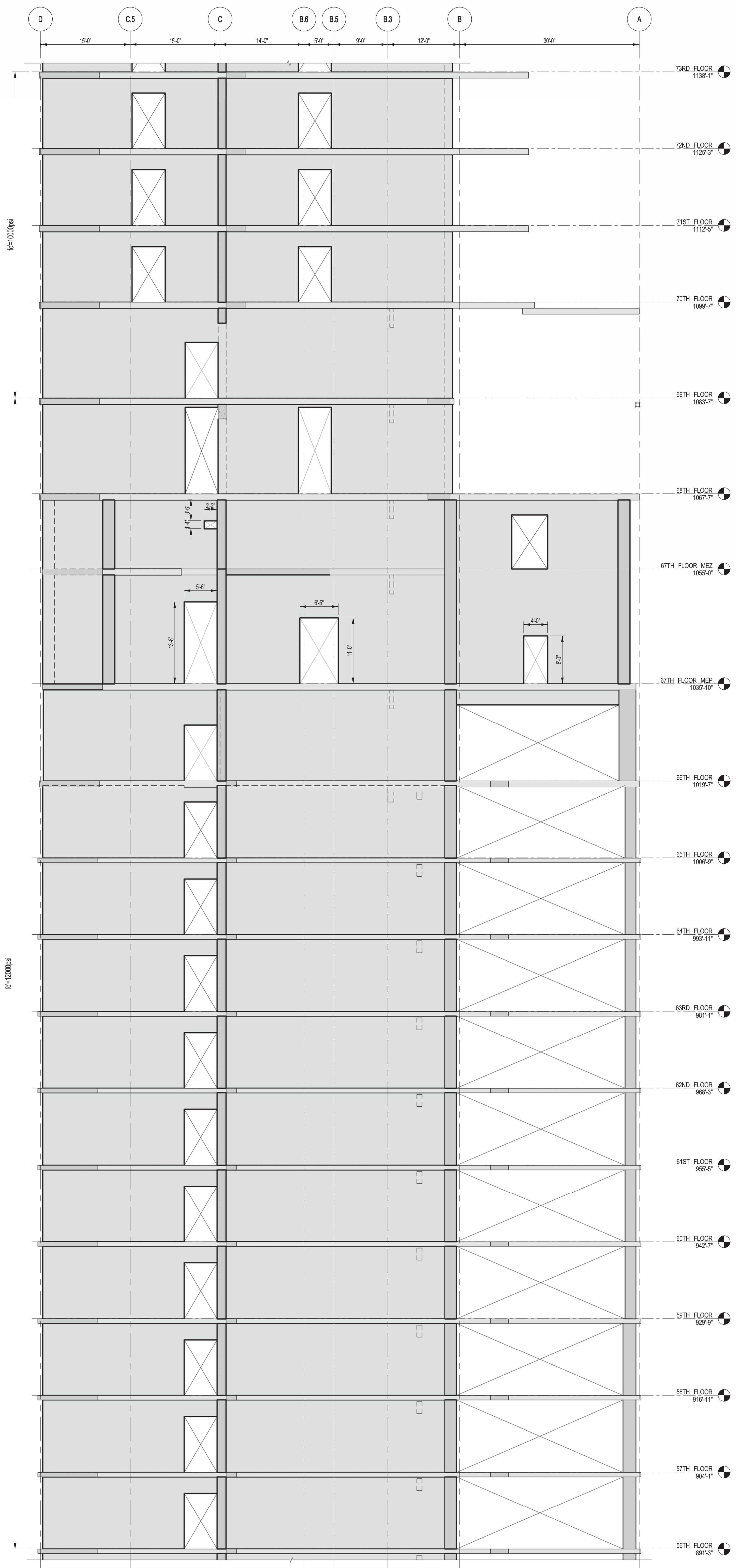
PROJECT: **217 WEST 57TH STREET
NEW YORK, NY**

DRAWING TITLE: **SHEARWALL ELEVATIONS ALONG
GRIDLINE 4 (2 OF 3)**

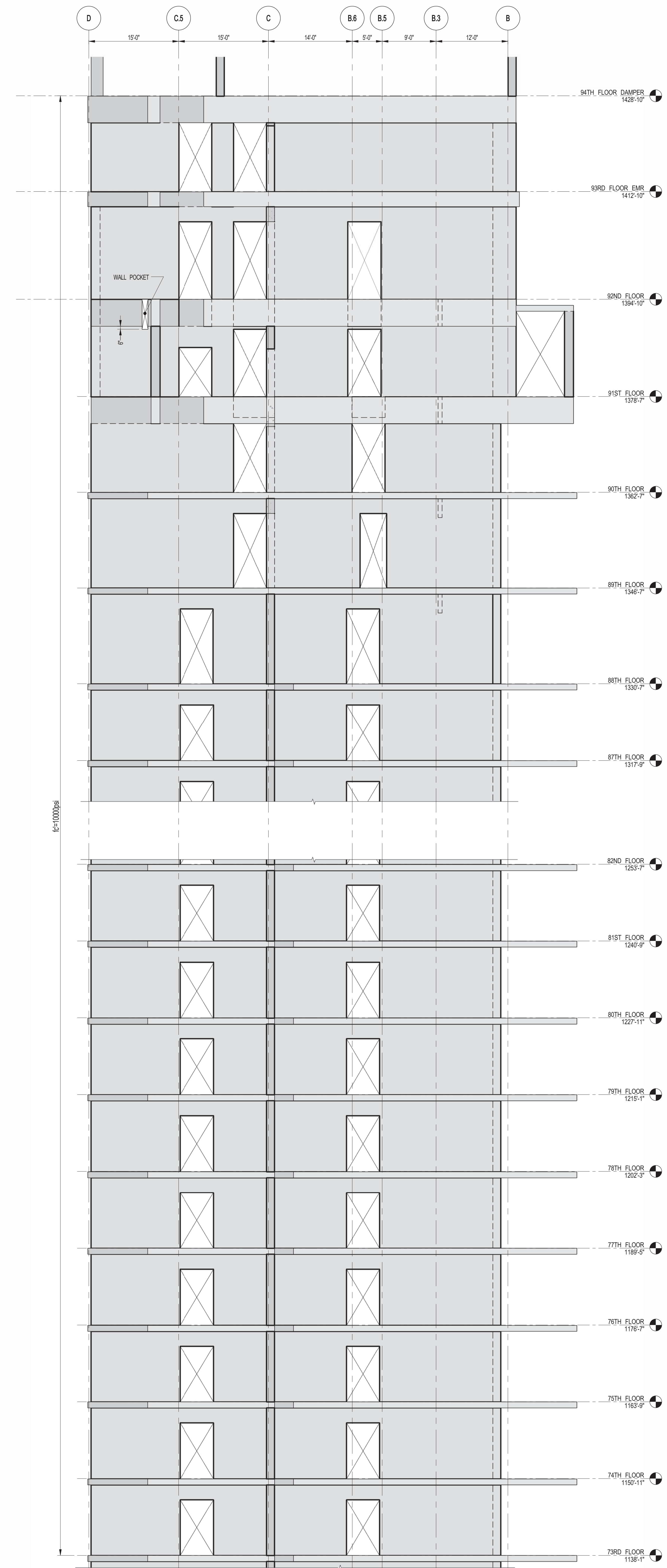
SEAL & SIGNATURE: DATE: XX-XX-XX
PROJECT No: 2012185
DRAWN: CADDO REV: 2
CHK: YE
SCALE: 1/8" = 1'-0"
DWG No: **S-454.00**
DOB PAGE No: 80 OF 118
DOB EMPLOYEE STAMP: DOB S-SCAN:

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1995
Date: 07/09/2015
NYC Development Hub

NOTES:
1. FOR NOTES SEE DRAWING S-453.



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



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

KEY PLAN

PROJECT NORTH

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

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

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

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
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TEL: 416 967 1500 FAX: 416 967 7150

STRUCTURAL ENGINEERS:
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228 EAST 45th Street
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MEP ENGINEERS:
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TEL: 212 354 5656 FAX: 212 354 5668

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CODE CONSULTANTS:
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TEL: 212 757 8559 FAX: 646 219 8508

LANDMARK/PRESERVATION CONSULTANT:
Jan Hind Pokorny Associates, Inc.
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New York, NY 10018
TEL: 212 759 6452 FAX: 212 759 6540

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

DOB SUBMISSION

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CONSULTANT:

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

PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

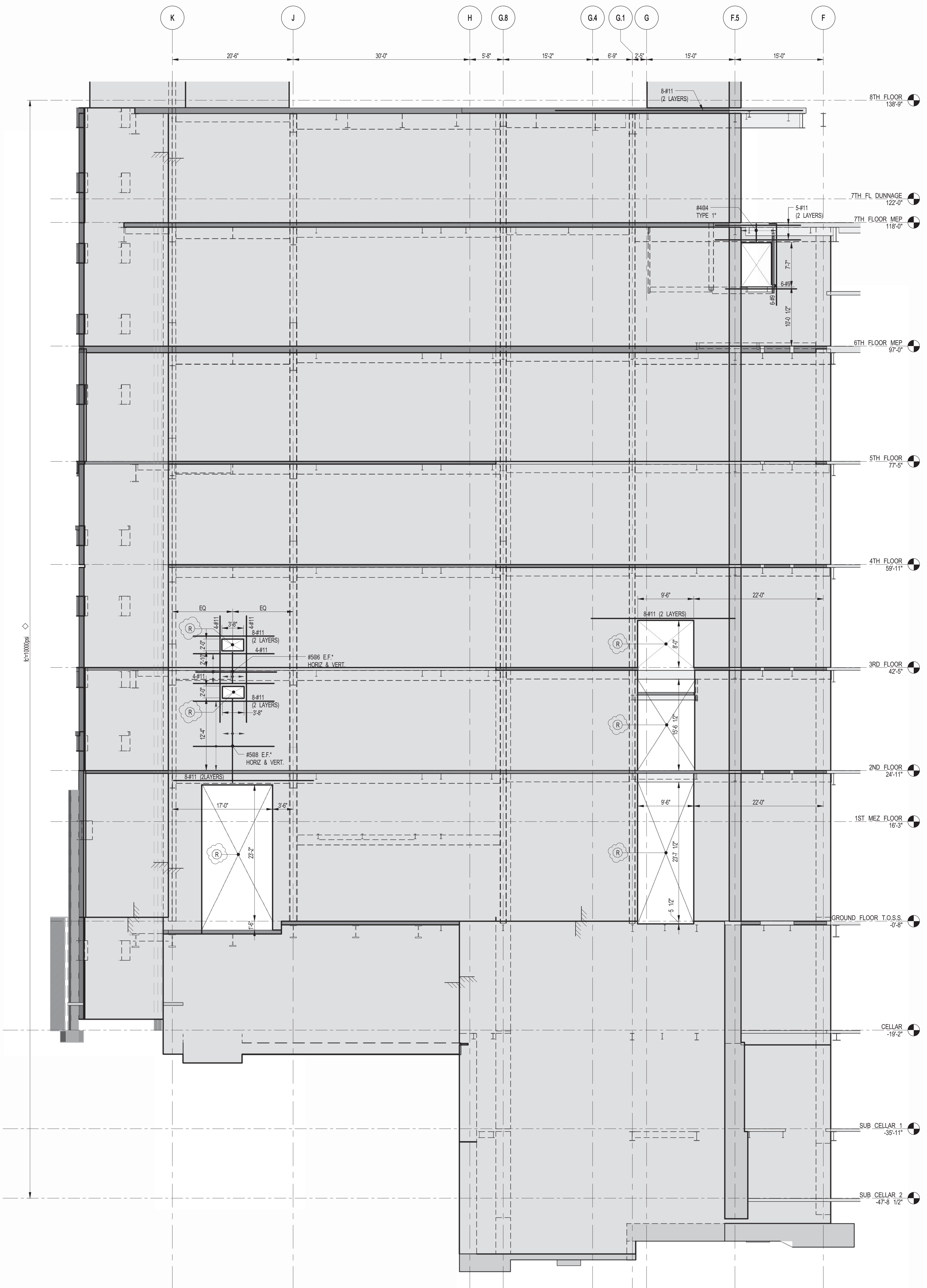
DRAWING TITLE:
SHEARWALL ELEVATIONS ALONG GRIDLINE 4 (3 OF 3)

DATE	XX-XX-XX
PROJECT No:	2012185
DRAWN: CADD	REV:
CHK: YE	3
SCALE: 1/8" = 1'-0"	
DWG No:	S-455.00
DOB PAGE No:	81 OF 118
DOB EMPLOYEE STAMP:	DOB SCAN:

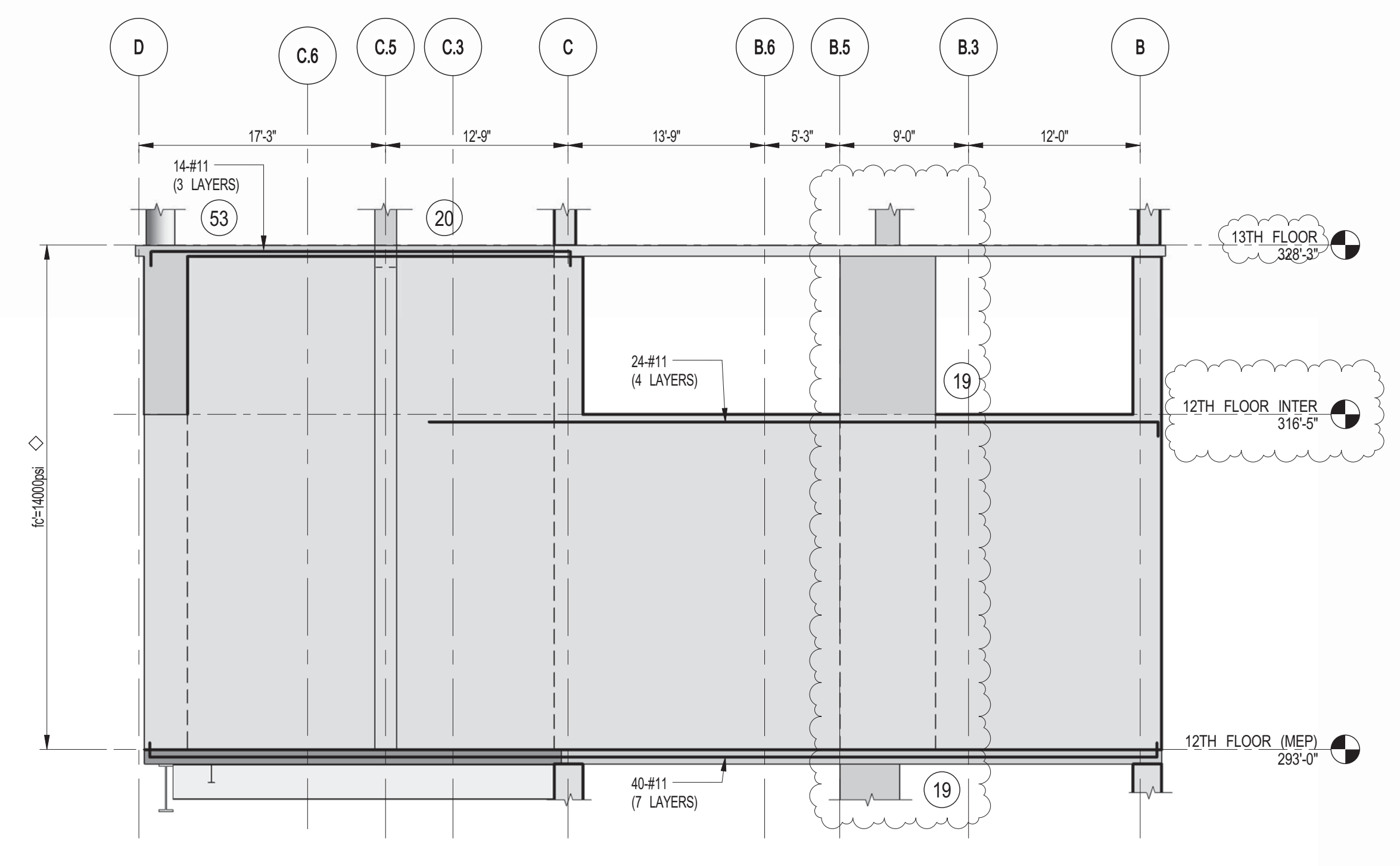
Damian Titus
Buildings
APPROVED
Under Directive 2 of 1975
Date: 07/09/2015
NYC Development Hub

NOTES:
1. FOR NOTES SEE DRAWING S-453.

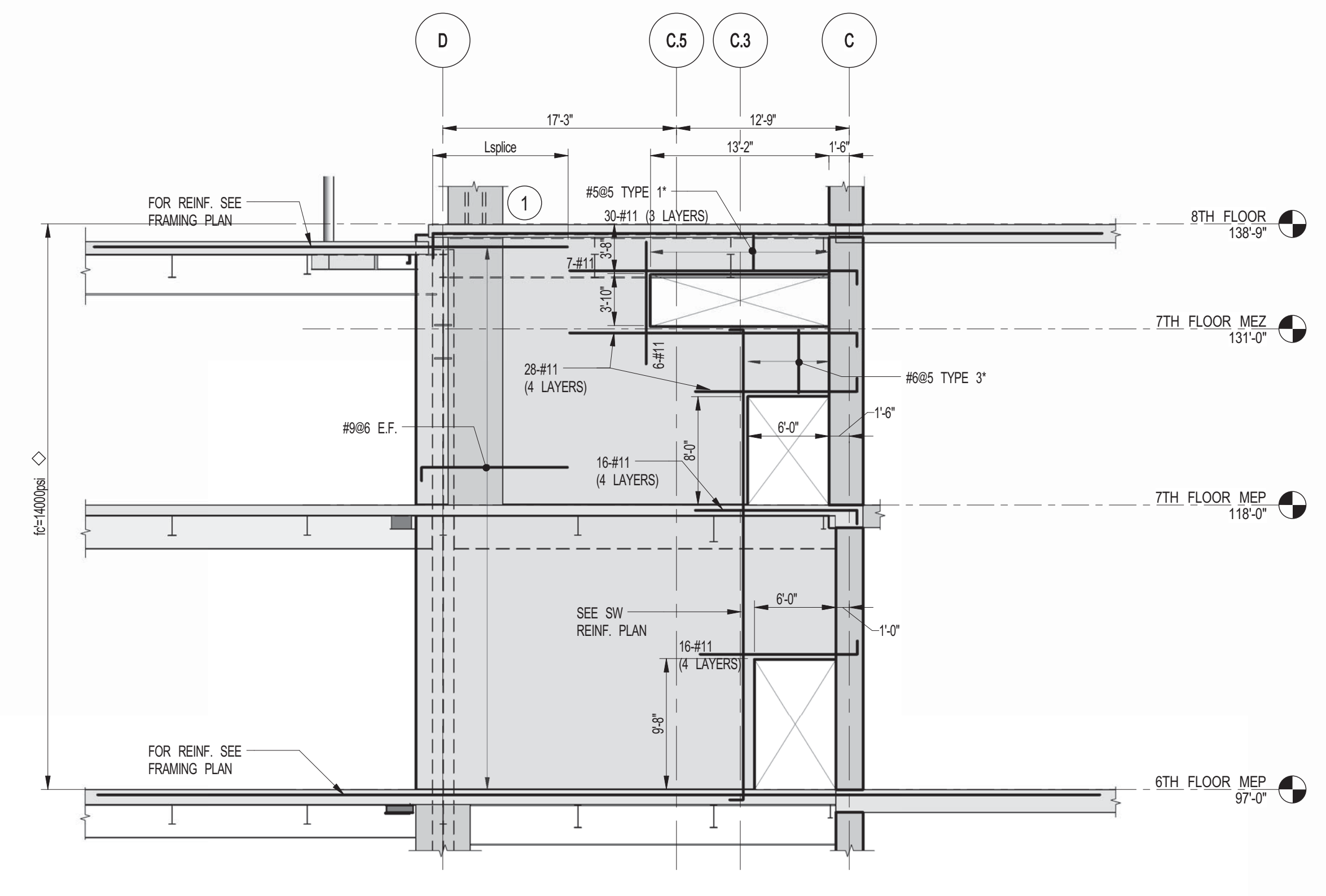
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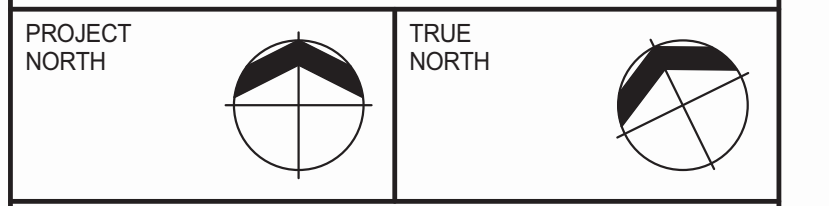
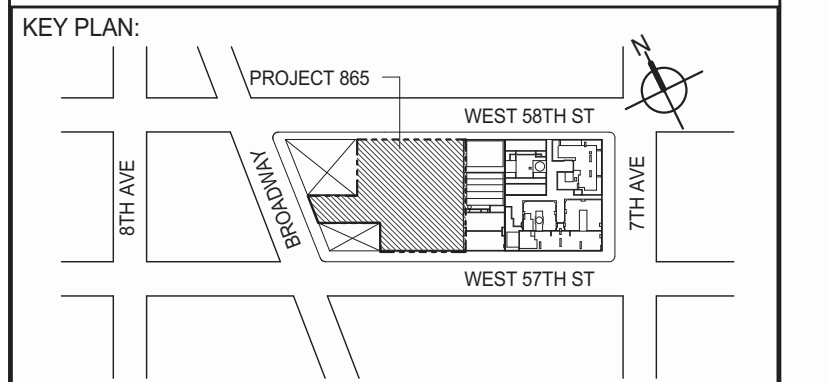
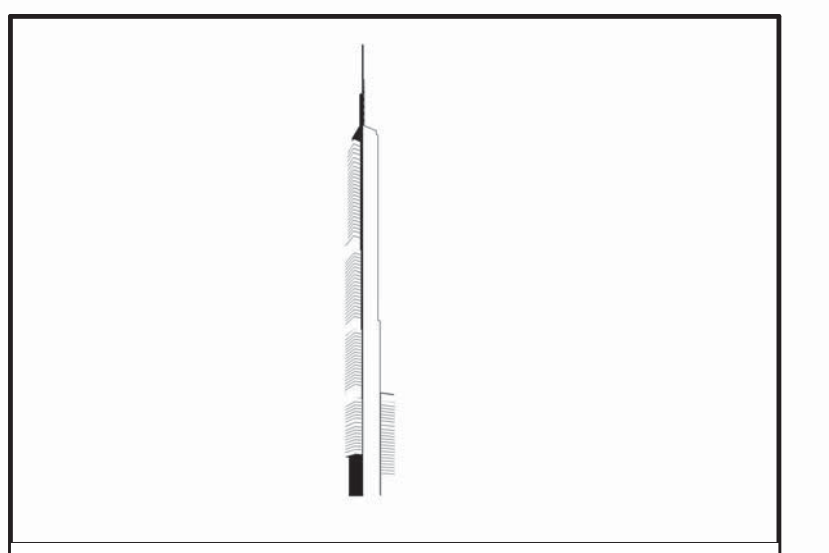
1 SHEARWALL EL. ALONG GL 5.2
S-456 SCALE: 1/8" = 1'-0"



2 SHEARWALL EL. ALONG GL 5.2
S-456 SCALE: 1/8" = 1'-0"



3 SHEARWALL EL. ALONG GL 5
S-456 SCALE: 1/8" = 1'-0"



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

DESIGN ARCHITECT: Base Building Shell & Core
ADRIAN SMITH + GORDON GILL ARCHITECTURE
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CHICAGO IL 60603
TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER: Residential
Rottet Architecture and Design Studio, PLLC
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GEOTECHNICAL ENGINEERS: Langan Engineering & Environmental Services
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CODE CONSULTANTS: Construction Consulting Associates
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No.	DESCRIPTION	DATE
1	CD PROGRESS ISSUE 1	10-15-2014
2	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
3	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
4	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
5	DOB SUBMISSION	12-19-2014
6	CD PROGRESS ISSUE-2	12-19-2014
7	DOB SUBMISSION	02-05-2015
8	CD UPDATE ISSUE	02-10-2015
9	CONSTRUCTION DOCUMENTS ISSUE 3	03-09-2015
10	PROGRESS CD	05-08-2015
11	CONSTRUCTION DOCUMENTS ISSUE 4	06-01-2015
12	CD PROGRESS ISSUE 5	08-10-2015
13	DOB AMENDMENT 2	09-18-2015

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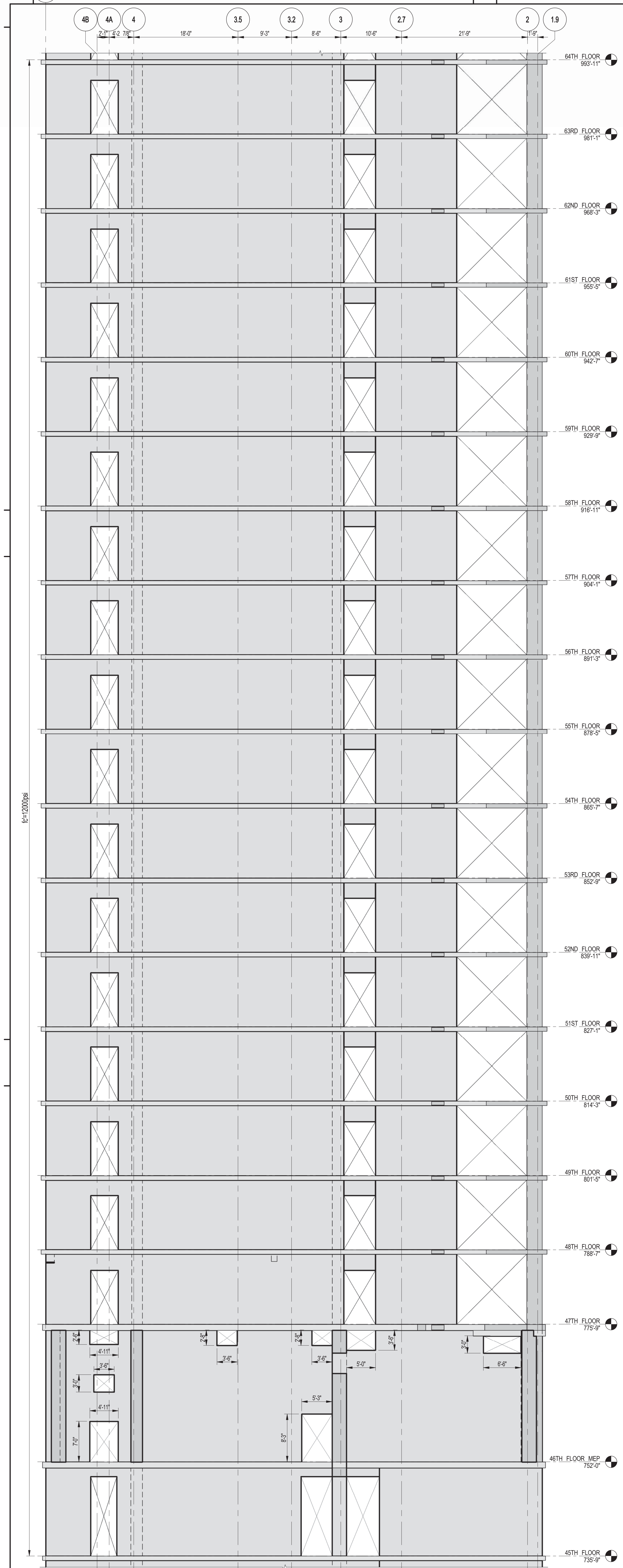
ALL DIMENSIONS ARE SHOWN IN IMPERIAL.
CONSULTANT: WSP
228 East 45th Street
New York, NY 10017
(212) 687-9888
www.wspgroup.com/us

PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

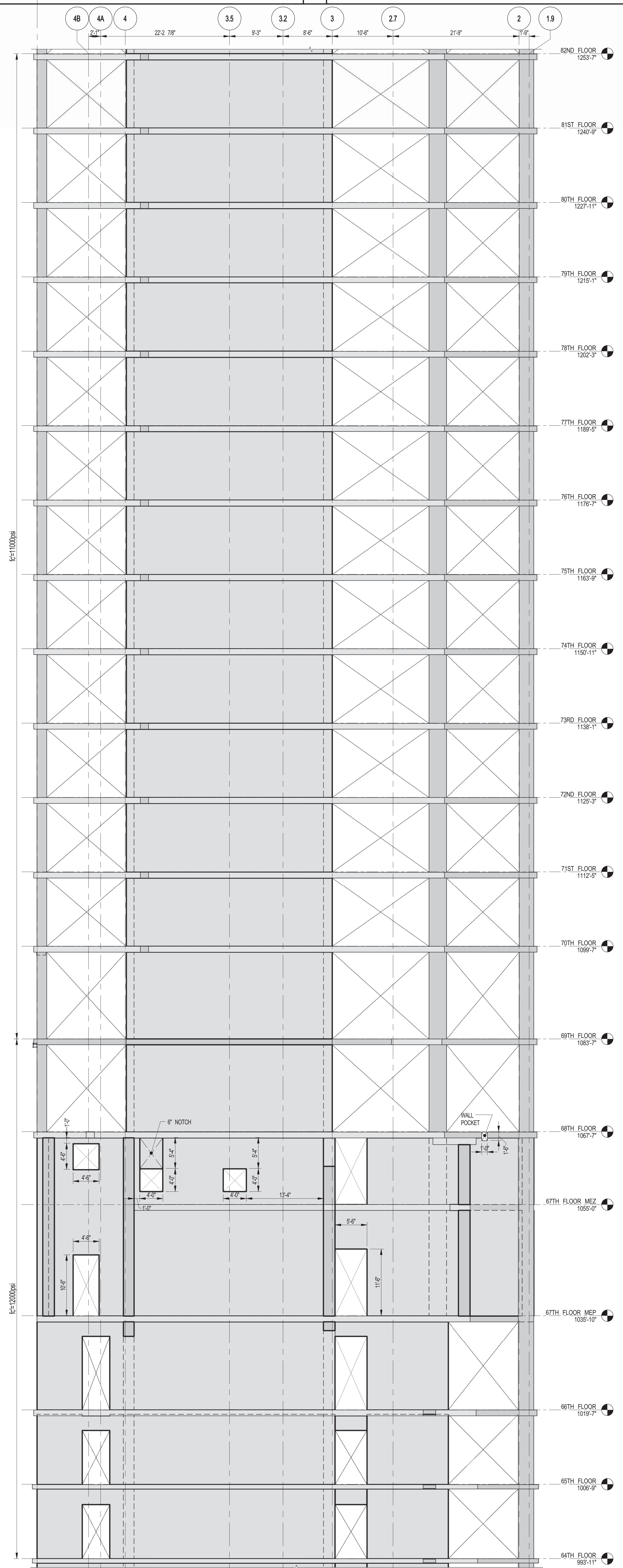
DRAWING TITLE:
SHEARWALL ELEVATIONS ALONG GRIDLINES 5.2 & 5

SEAL & SIGNATURE: PROJECT No: 2012185
DATE: 10-15-2014
DRAWN: CADDO REV: 13
CHK: YE
SCALE: 1/8" = 1'-0"
DWG No: S-456.01

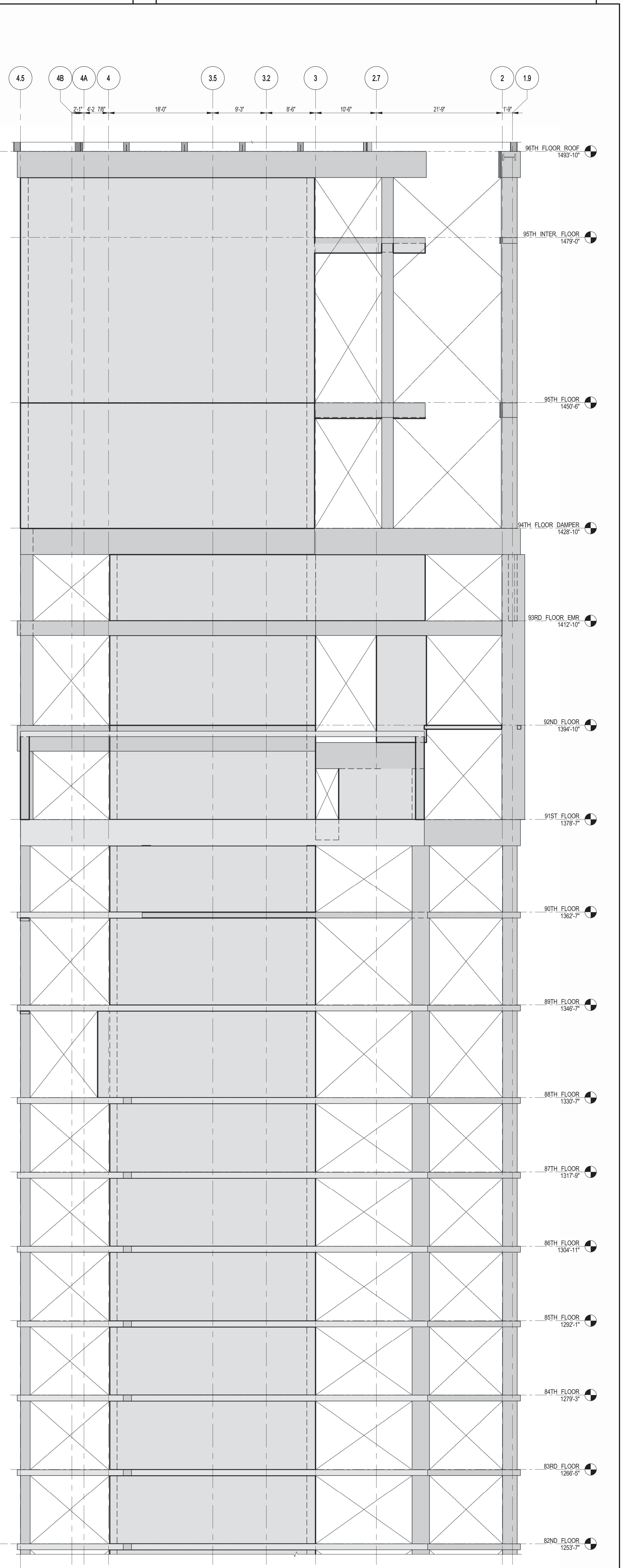
DOB EMPLOYEE STAMP: DOB PAGE No: 117 OF 158
DOB SCAN:



1 SHEARWALL EL. ALONG GL B
S-458 SCALE: 1/8" = 1'-0"



2 SHEARWALL EL. ALONG GL B
S-458 SCALE: 1/8" = 1'-0"



3 SHEARWALL EL. ALONG GL B
S-458 SCALE: 1/8" = 1'-0"

KEY PLAN

PROJECT NORTH

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

DESIGN ARCHITECT: Base Building Shell & Core
ADRIAN SMITH + GORDON GILL ARCHITECTURE
111 WEST MONROE STREET SUITE 2300
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INTERIOR DESIGNER: Residential
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ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
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Jan Hind Pokorny Associates, Inc.
39 West 37th Street, 52A
New York, NY 10018
TEL: 212 759 6452 FAX: 212 759 6540

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

DOB SUBMISSION

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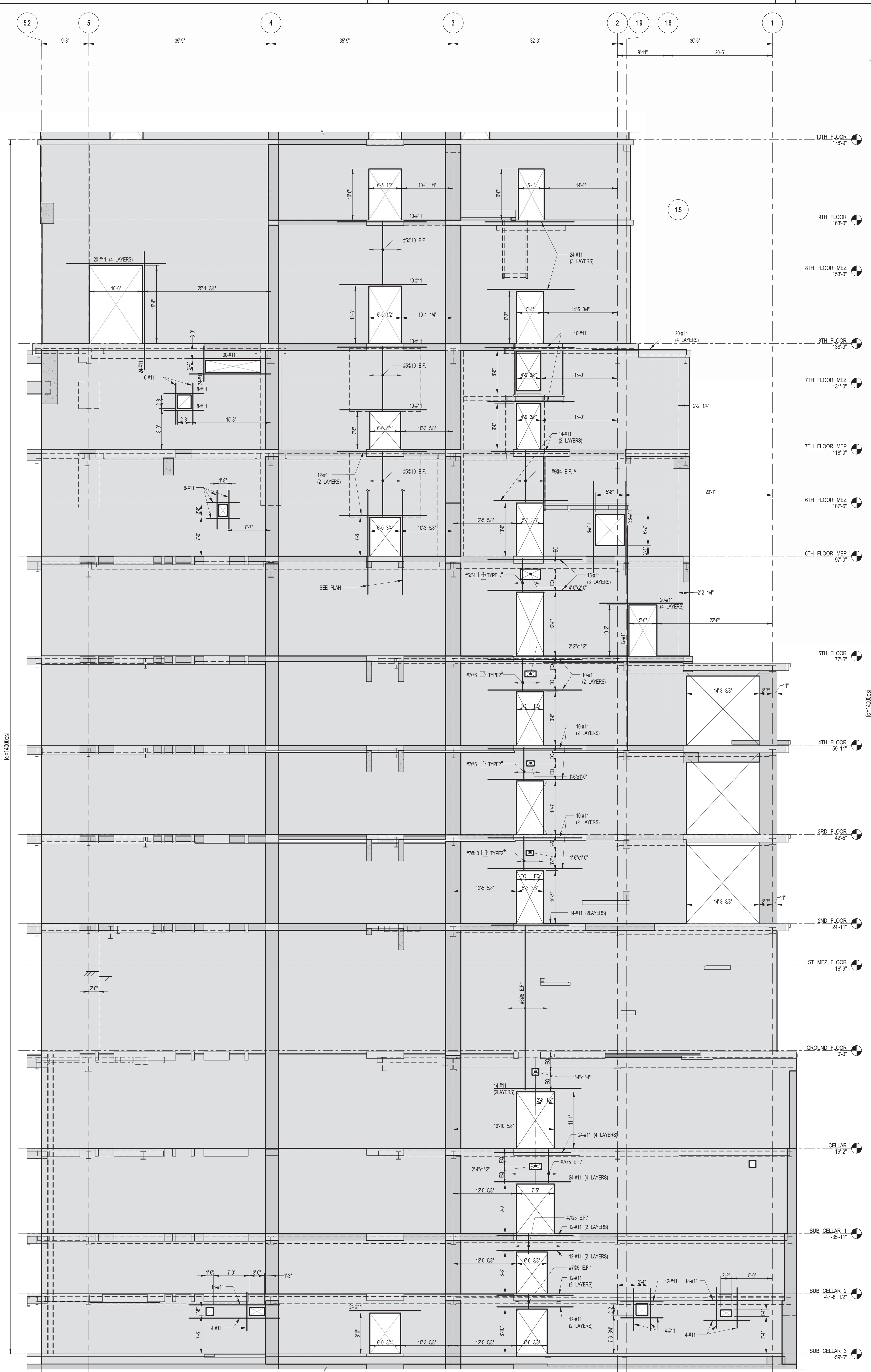
PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:
SHEARWALL ELEVATIONS ALONG GRIDLINE B (2 OF 2)

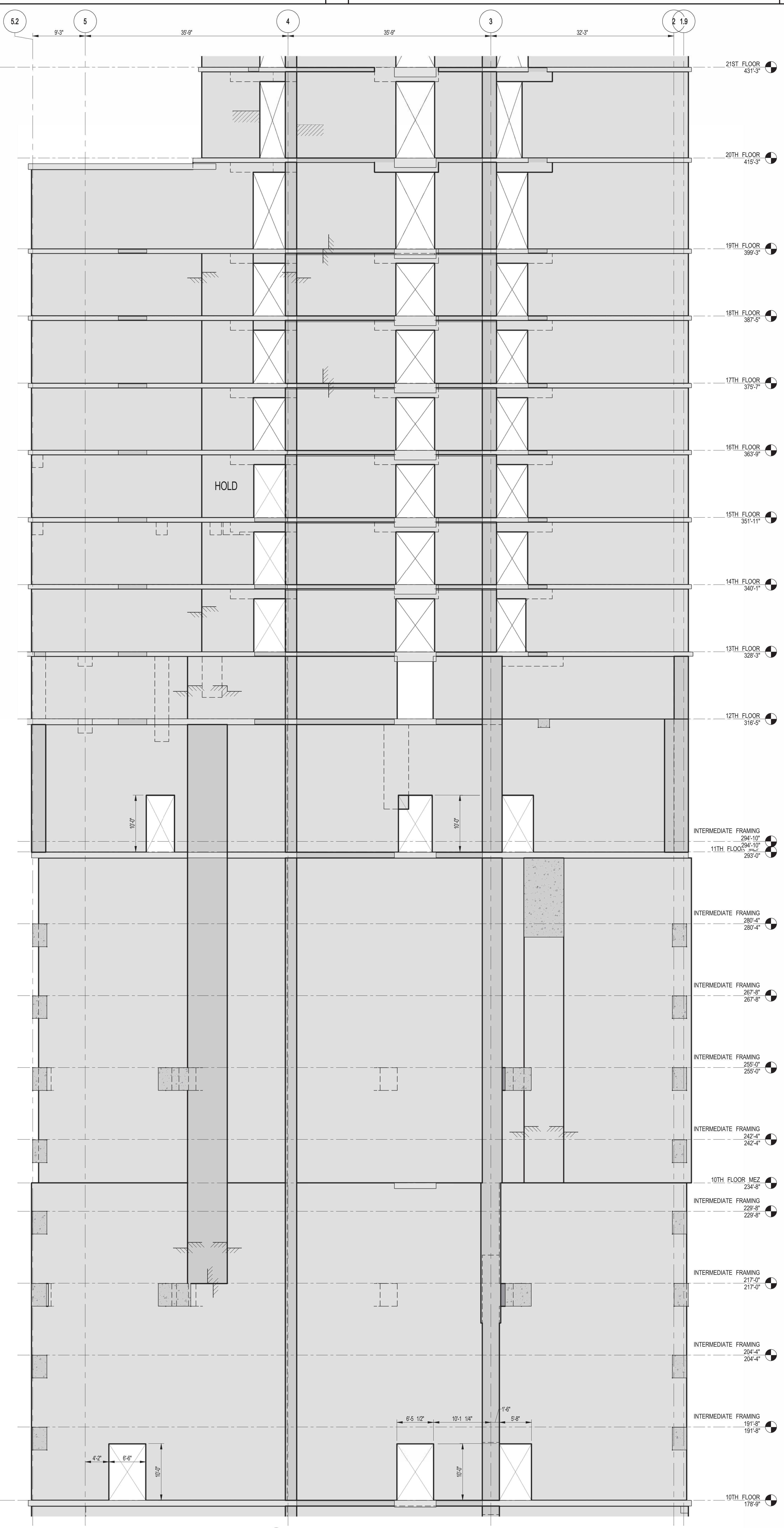
DATE:	XX-XX-XX
PROJECT No:	2012185
DRAWN: CAD	REV: 3
CHK: YE	SCALE: 1/8" = 1'-0"
DWG No:	S-458.00

DOE EMPLOYEE STAMP:
Damian Titus
Professional Engineer
Approved Under Directive 2 of 2015
Date: 07/09/2015
NYC Development Hub

NOTES:
1. FOR NOTES SEE DRAWING S-453.



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



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

KEY PLAN

PROJECT NORTH

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

DESIGN ARCHITECT: Base Building Shell & Core
ADRIAN SMITH + GORDON GILL ARCHITECTURE
 111 WEST MONROE STREET SUITE 2300
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INTERIOR DESIGNER: Residential
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ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
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MEP ENGINEERS:
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 100 Church Street
 New York, NY 10007
 TEL: 212 385 5818 FAX: 212 385 1911

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AJLP Consulting
 40 Worth Street, Suite 826
 New York, NY 10013
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LANDMARK/PRESERVATION CONSULTANT:
Jan Hind Pokorny Associates, Inc.
 39 West 37th Street, 12A
 New York, NY 10018
 TEL: 212 759 6452 FAX: 212 759 6540

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

DOB SUBMISSION

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CONSULTANT:
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 (212) 687-9888
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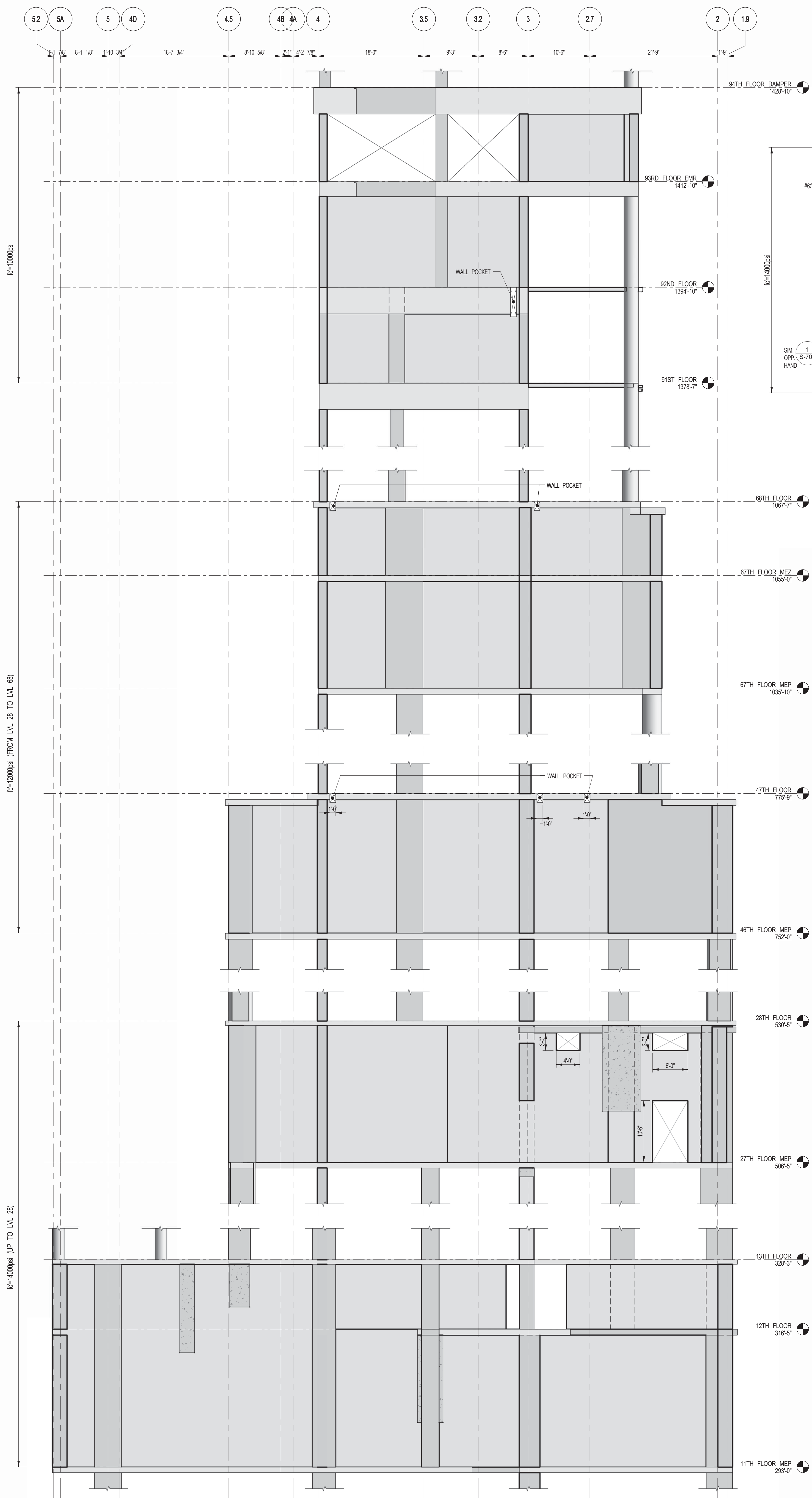
PROJECT:
217 WEST 57TH STREET
 NEW YORK, NY

DRAWING TITLE:
SHEARWALL ELEVATIONS ALONG GRIDLINE C (1 OF 3)

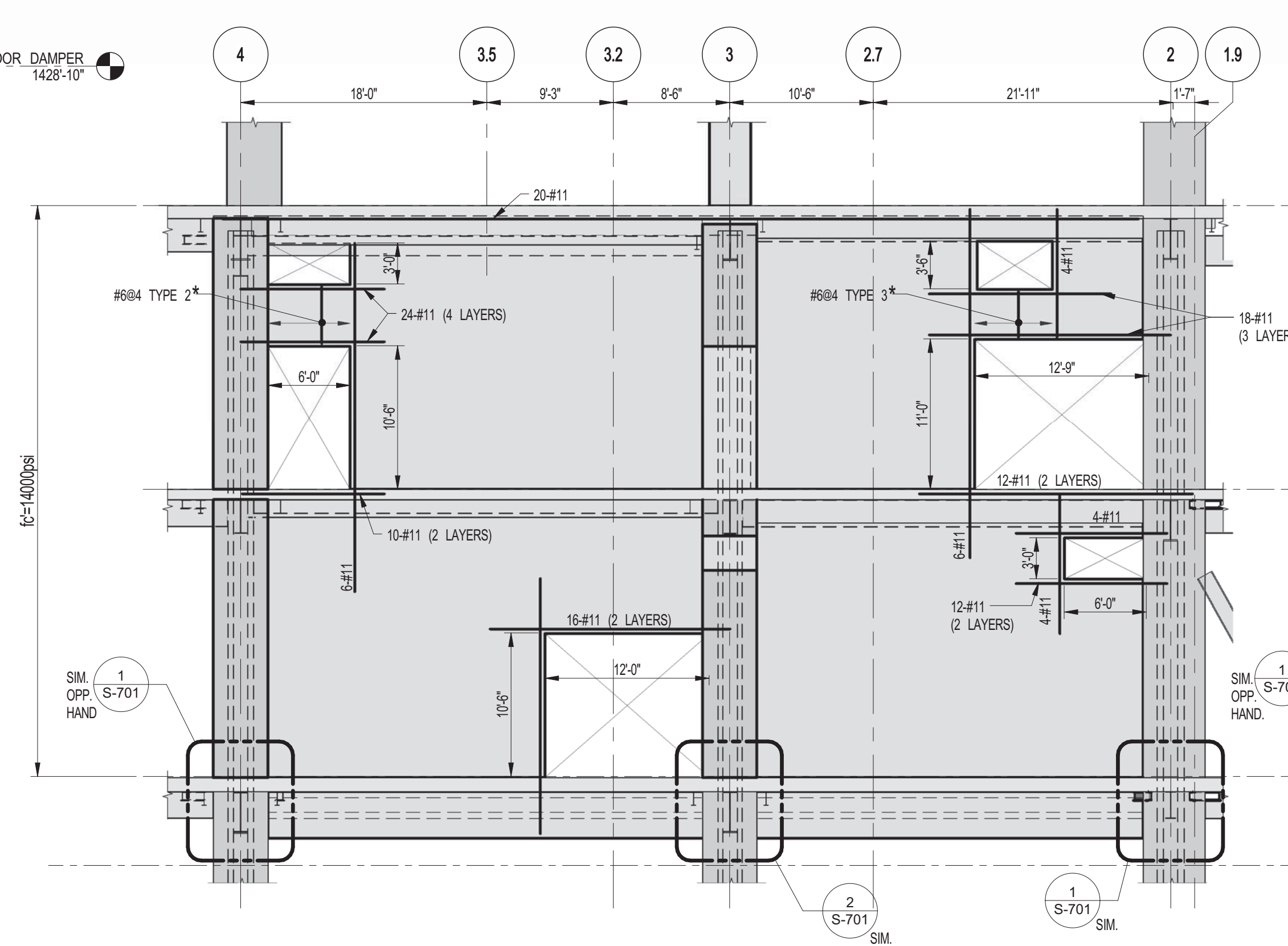
SEAL & SIGNATURE: [Professional Engineer Seal]
 DATE: 10-15-2014
 PROJECT No: 2012185
 DRAWN: CADD
 CHK: YE
 SCALE: 1/8" = 1'-0"
 DWG No: **S-459.00**
 DOB PAGE No: 85 OF 118
 DOB EMPLOYEE STAMP: [Employee Stamp]
 DOB SCAN:

Damian Titus
 Buildings APPROVED
 Under Directive 2 of 1995
 Date: 07/09/2015
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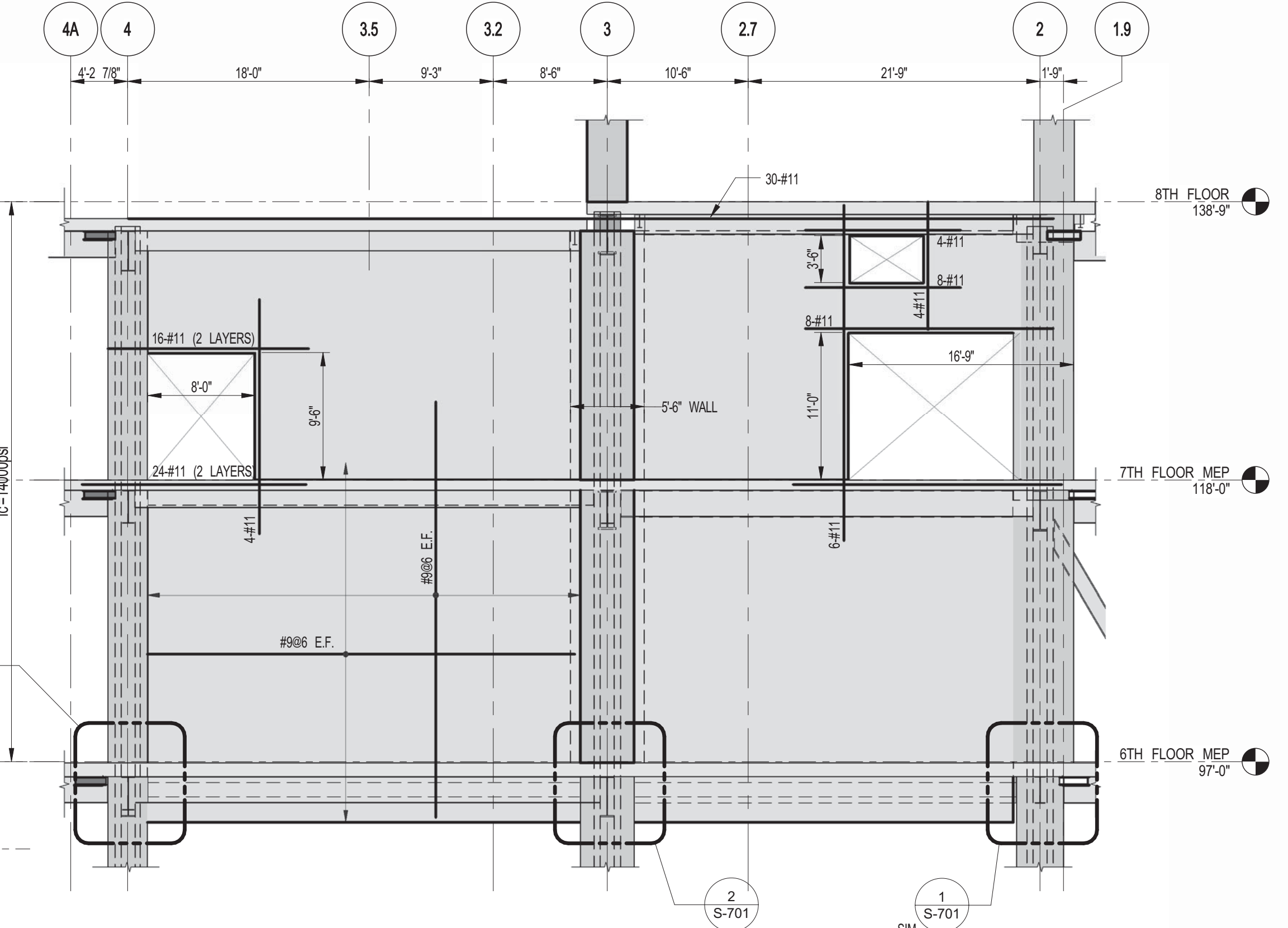
NOTES:
 1. FOR NOTES SEE DRAWING S-453.



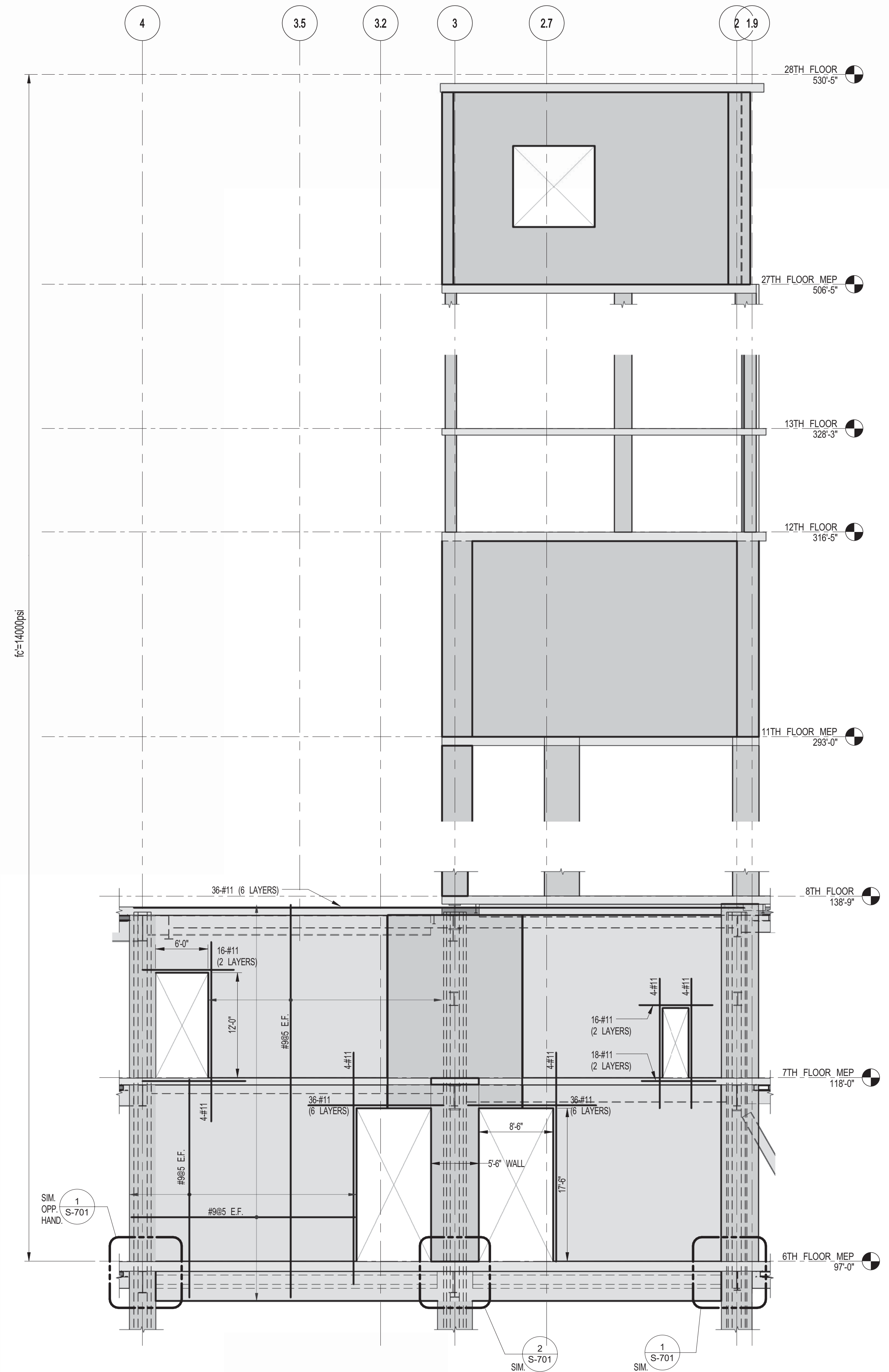
1 SHEARWALL EL. ALONG GL D
S-462 SCALE: 1/8" = 1'-0"



2 SHEARWALL EL. ALONG GL D
S-462 SCALE: 1/8" = 1'-0"



3 SHEARWALL EL. ALONG GL E
S-462 SCALE: 1/8" = 1'-0"



4 SHEARWALL EL. ALONG GL F
S-462 SCALE: 1/8" = 1'-0"

KEY PLAN

PROJECT NORTH

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

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

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

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
AJL ARCHITECTS, P.C.
401 Westchester St., 9th Floor
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TEL: 416 967 1500 FAX: 416 967 7150

STRUCTURAL ENGINEERS: WSP
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New York, NY 10017 USA
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MEP ENGINEERS: AKF GROUP
1501 Broadway
New York, NY 10036 USA
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GEOTECHNICAL ENGINEERS: Langan Engineering & Environmental Services
21 Penn Plaza - 360 West 31st Street, 9th Floor
New York, NY 10001-2272
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CODE CONSULTANTS: Construction Consulting Associates
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TEL: 212 385 5818 FAX: 212 385 1911

CURTAINWALL CONSULTANT: A.J.P. Consulting
40 Worth Street, Suite 826
New York, NY 10013
TEL: 212 757 8559 FAX: 646 219 8508

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

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

DOB SUBMISSION

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CONSULTANT: WSP
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New York, NY 10017
(212) 687-9888
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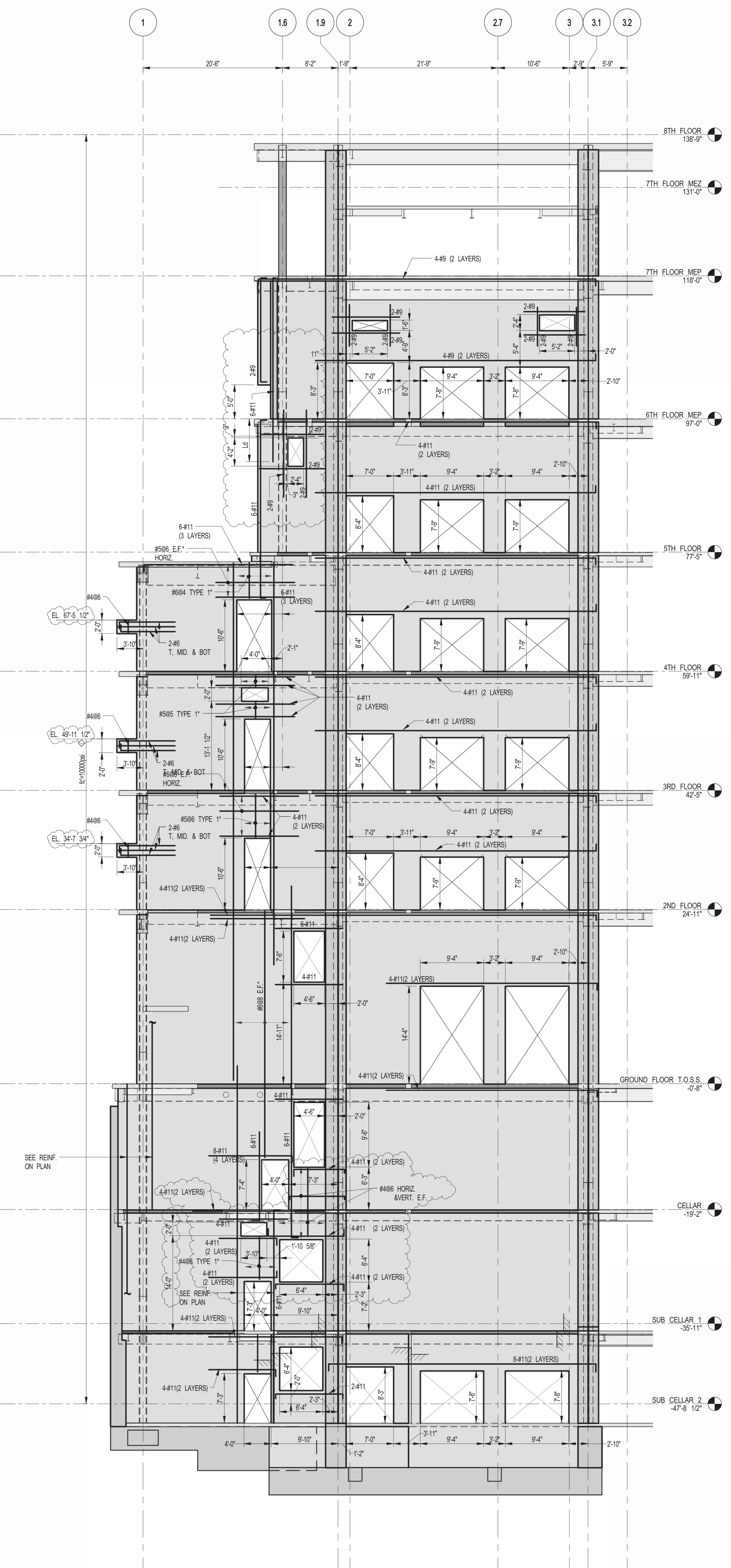
PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE: SHEARWALL ELEVATIONS ALONG GRIDLINES D, E & F

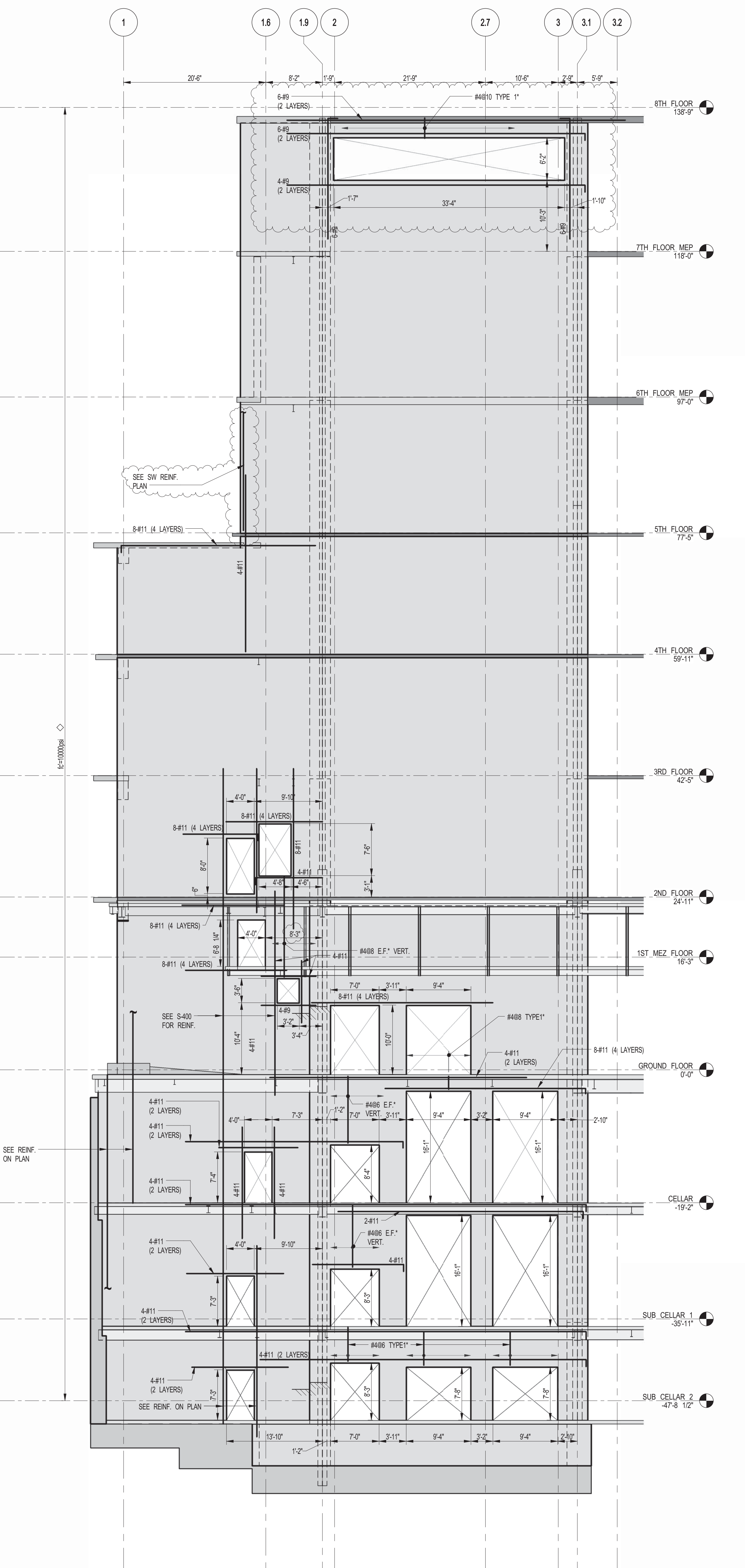
DATE:	10-15-2014
PROJECT No:	2012165
DRAWN: CADDO	REV: 3
CHK: YE	
SCALE: 1/8" = 1'-0"	
DWG No:	
S-462.00	
DOB PAGE No:	88 OF 118
DOB EMPLOYEE STAMP:	DOB S-SCAN:

Damian Titus
Buildings
APPROVED
Under Directive 2 of 1995
Date: 07/09/2015
NYC Development Hub

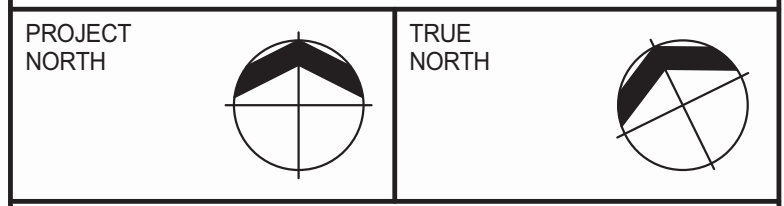
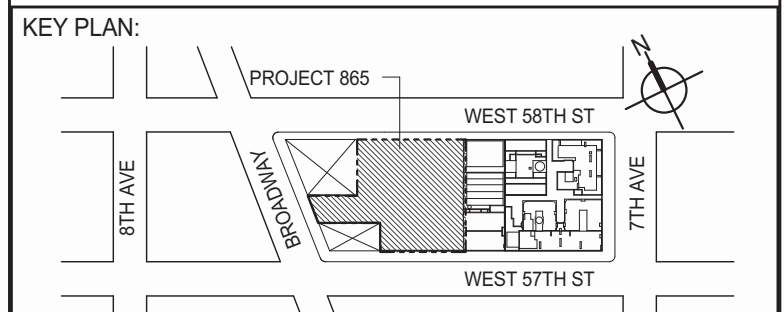
3/16/14 10:00 AM 2012165 2012165 10:00 AM 3/16/14 10:00 AM



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



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



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

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

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

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

STRUCTURAL ENGINEERS: **WSP**
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TEL: 212 687 9888 FAX: 646 487 5501

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

GEOTECHNICAL ENGINEERS: **Lagan Engineering & Environmental Services**
21 Penn Plaza - 360 West 31st Street, 9th Floor
New York, NY 10001-2727
TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS: **Construction Consulting Associates**
100 Church Street
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TEL: 212 385 5818 FAX: 212 385 1911

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7	CD UPDATE ISSUE	02-10-2015
8	CONSTRUCTION DOCUMENTS ISSUE 3	03-09-2015
9	PROGRESS CD	05-08-2015
10	DOB SUBMISSION	05-19-2015
11	CONSTRUCTION DOCUMENTS ISSUE 4	06-01-2015
12	CD PROGRESS ISSUE 5	08-10-2015
13	DOB AMENDMENT 2	09-18-2015

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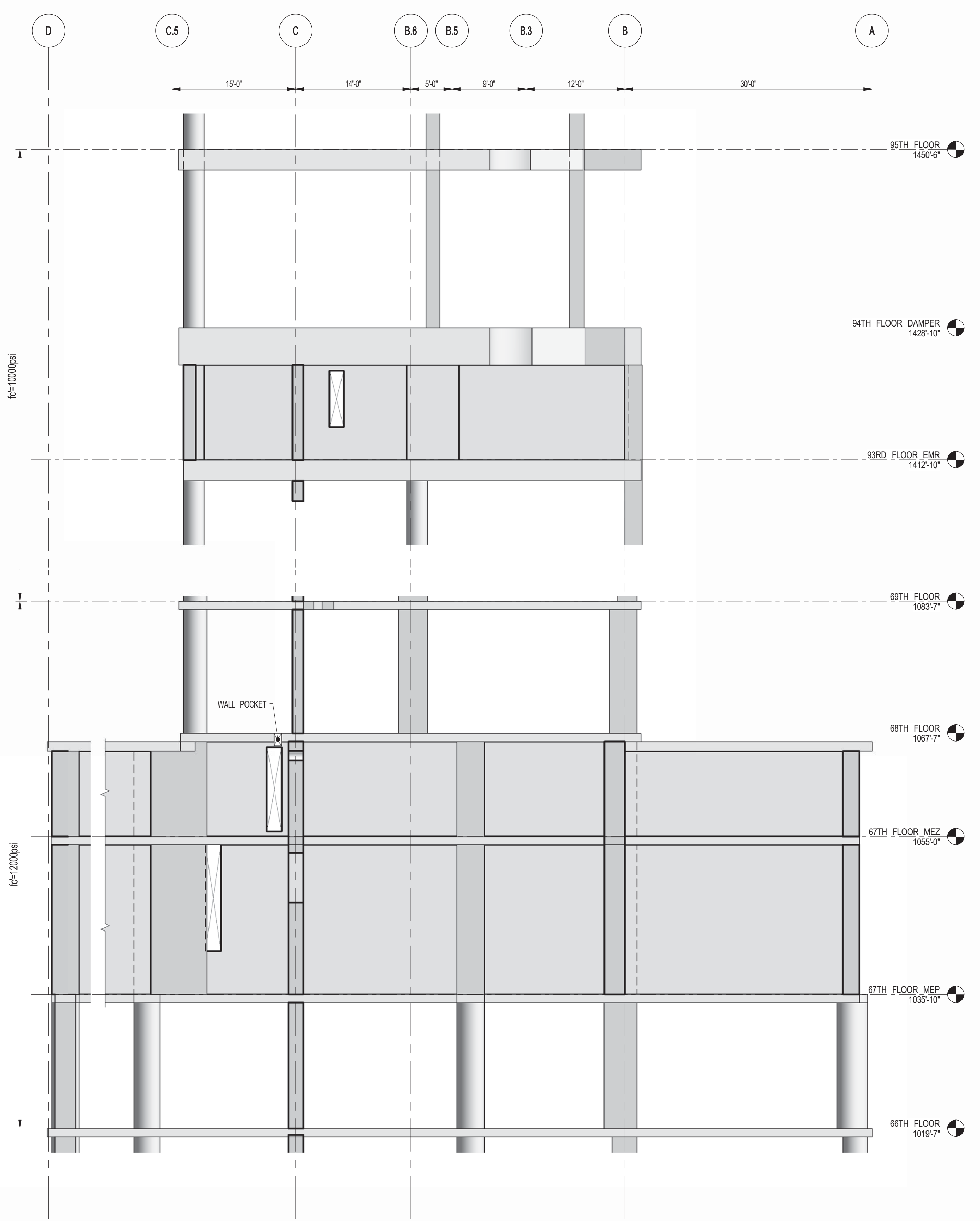
PROJECT: **217 WEST 57TH STREET**
NEW YORK, NY
DRAWING TITLE: **SHEARWALL ELEVATIONS ALONG GRIDLINES G & G.4**

SEAL & SIGNATURE: [Signature] DATE: 10-15-2014
PROJECT No: 2012185
DRAWN: CADDO REV: 13
CHK: YE
SCALE: 1/8" = 1'-0"
DWG No: **S-463.01**
DOB PAGE No: 124 OF 158
DOB EMPLOYEE STAMP: [Stamp] DOB B-SCAN:

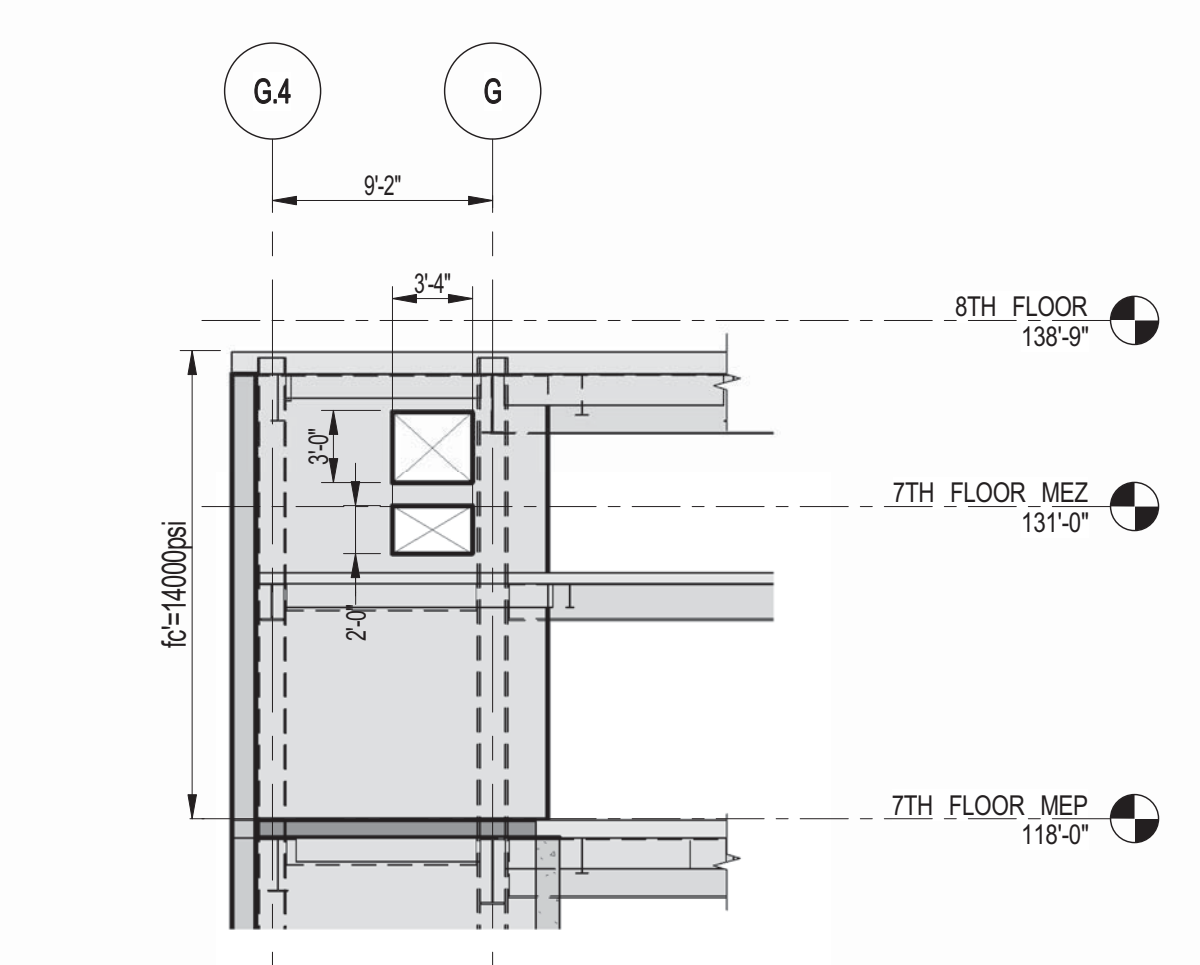
NOTES:
1. FOR NOTES SEE DRAWING S-463.



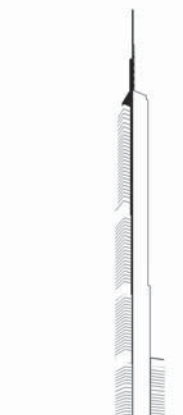
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S-464 SCALE: 1/8" = 1'-0"

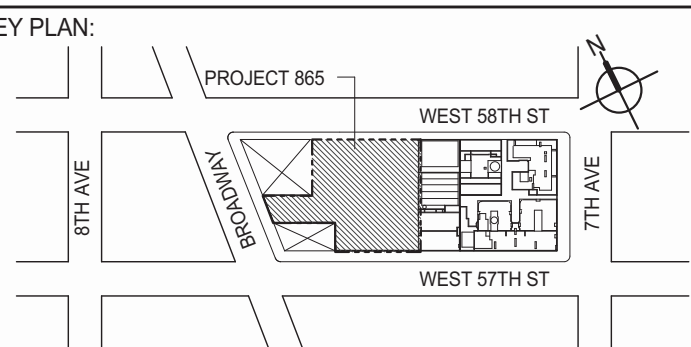


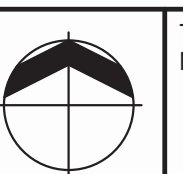
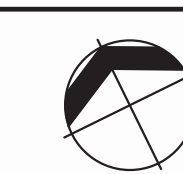
2 SHEARWALL EL. ALONG GL 2
S-464 SCALE: 1/8" = 1'-0"



3 SHEARWALL EL. ALONG GL 2
S-464 SCALE: 1/8" = 1'-0"





PROJECT NORTH  TRUE NORTH 

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805 THIRD AVENUE, 7TH FLOOR
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LANDMARK/PRESERVATION CONSULTANT:
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39 West 37th Street, 12A
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TEL: 212 759 6452 FAX: 212 759 6540

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

DOB SUBMISSION

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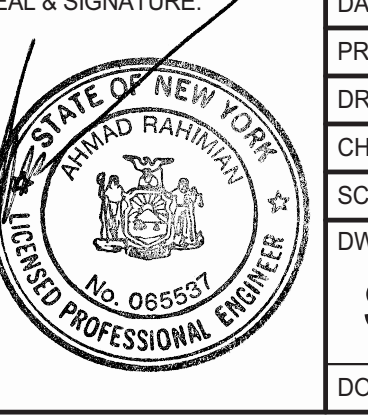
PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:
SHEARWALL ELEVATION ALONG GRIDLINE 2

SEAL & SIGNATURE: _____

DATE: XX-XX-XX
PROJECT No: 2012185
DRAWN: CADD
CHK: YE
SCALE: 1/8" = 1'-0"
DWG No: **S-464.00**

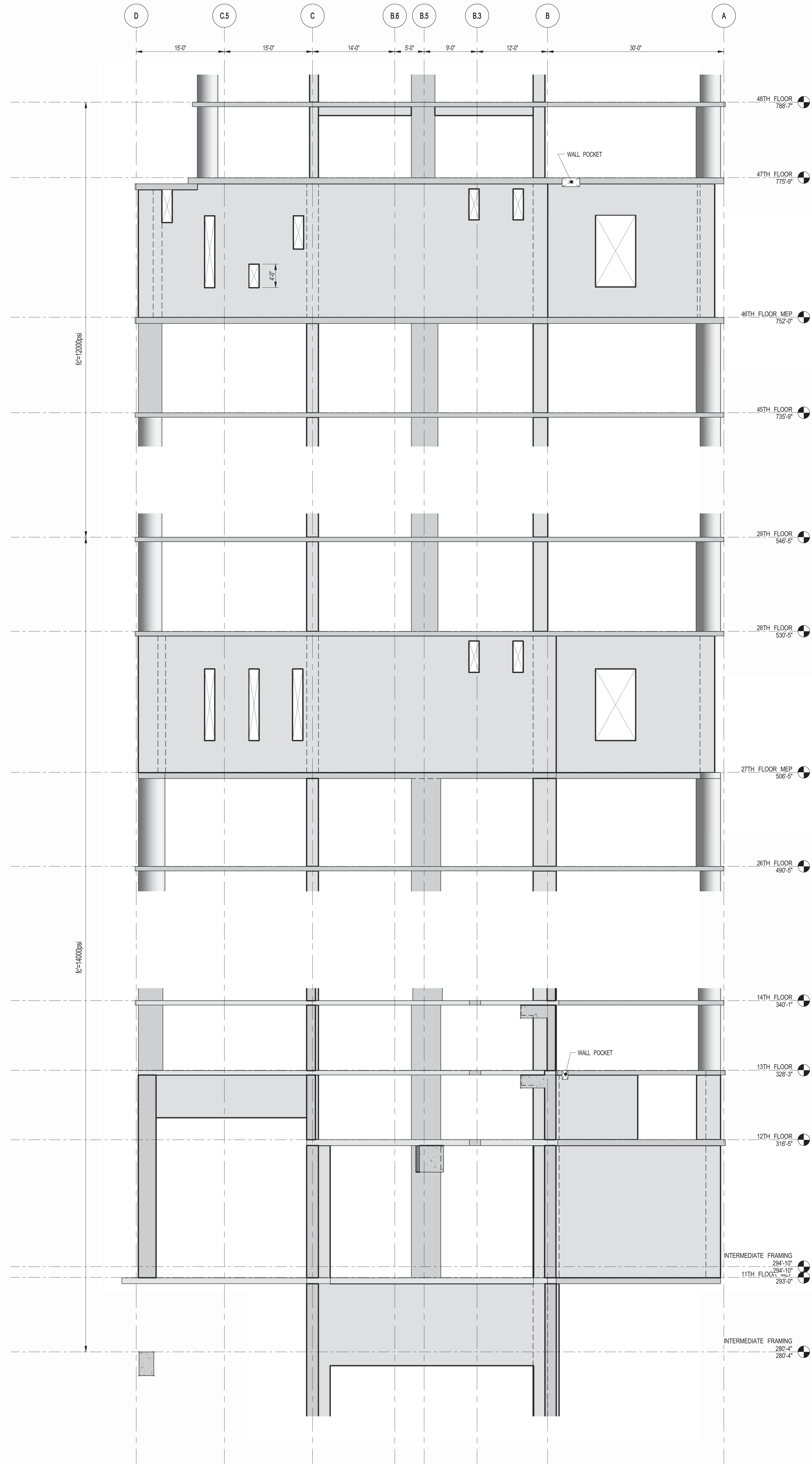
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DOB EMPLOYEE STAMP: _____
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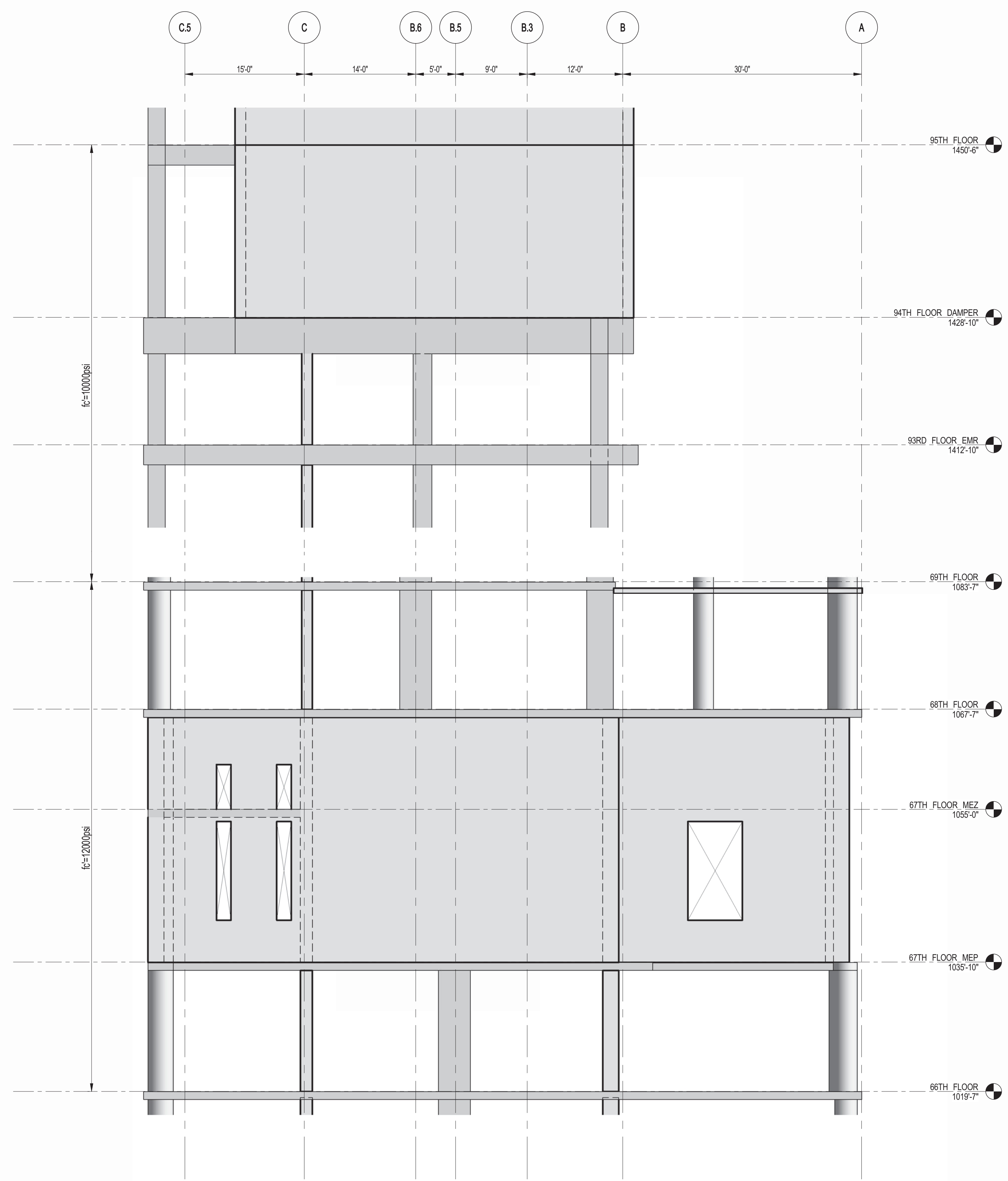
Damian Titus
Buildings
APPROVED
Under Directive 2 of 1995
Date: 07/09/2015
NYC Development Hub

NOTES:
1. FOR NOTES SEE DRAWING S-463.

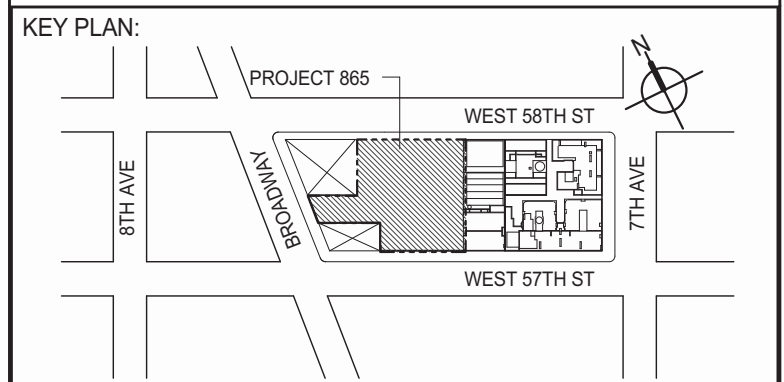
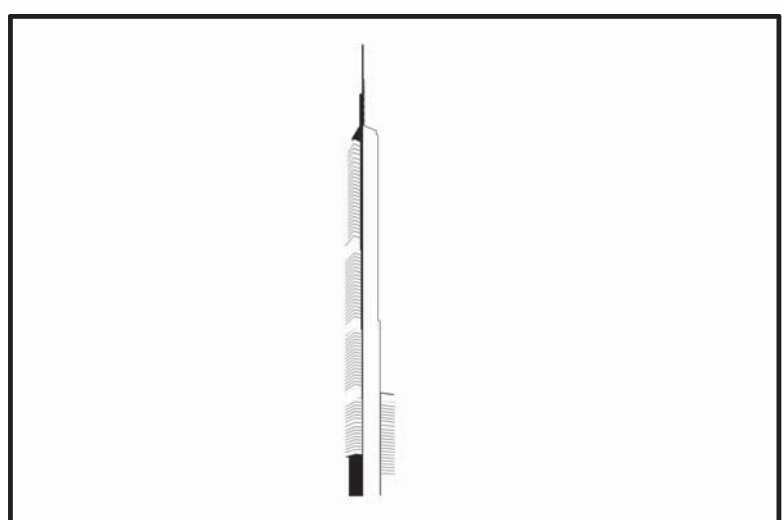
30" x 42" ARCH. SHEET SIZE



1 SHEARWALL EL. ALONG GL 4.5
S-465 SCALE: 1/8" = 1'-0"



2 SHEARWALL EL. ALONG GL 4.5
S-465 SCALE: 1/8" = 1'-0"



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

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PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:
SHEARWALL ELEVATION ALONG GRIDLINE 4.5

SEAL & SIGNATURE:	DATE:	XX-XX-XX
	PROJECT No:	2012185
	DRAWN: CAD	REV:
	CHK: YE	3
	SCALE: 1/8" = 1'-0"	
DWG No:	S-465.00	
DOB PAGE No:	91 OF 118	

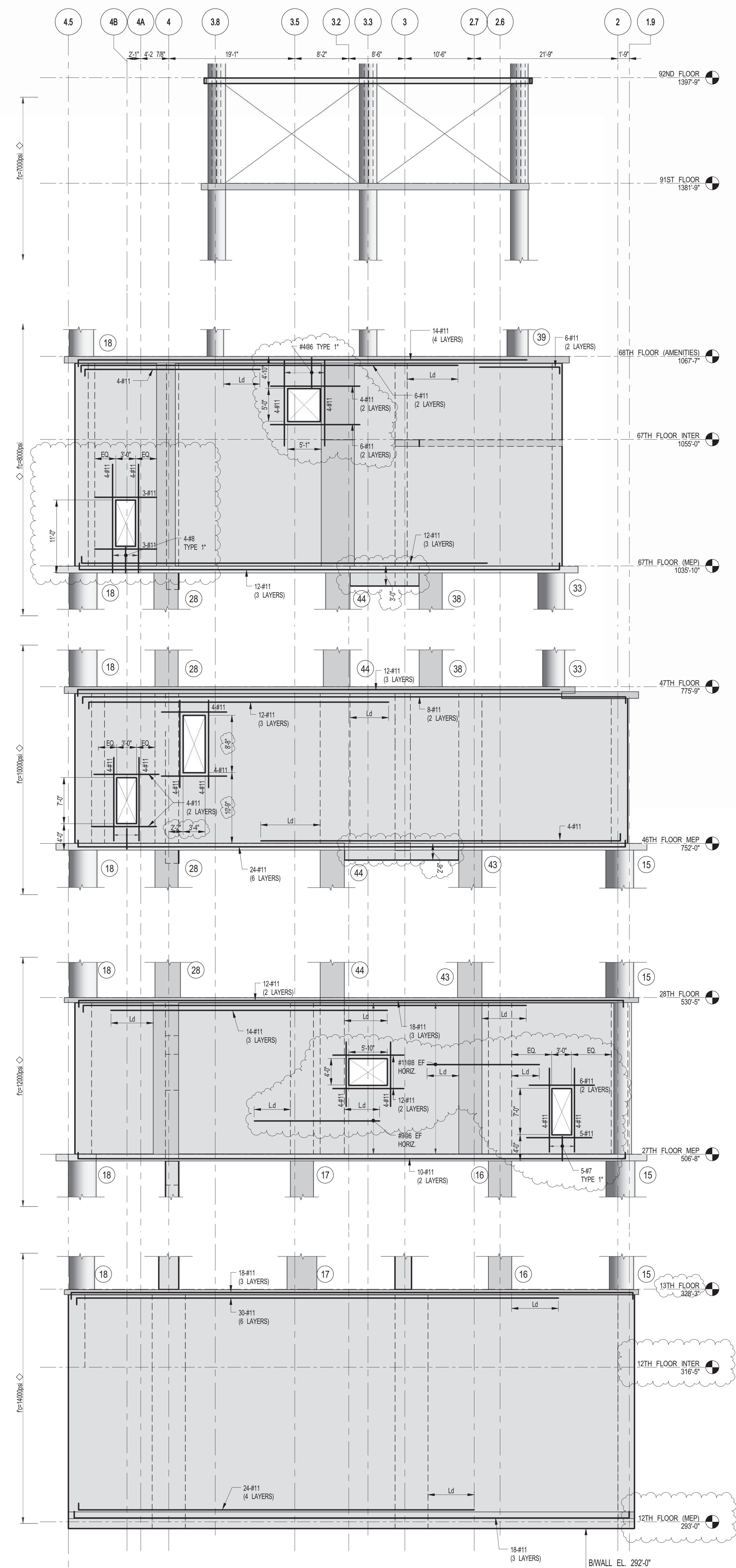
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Damian Titus

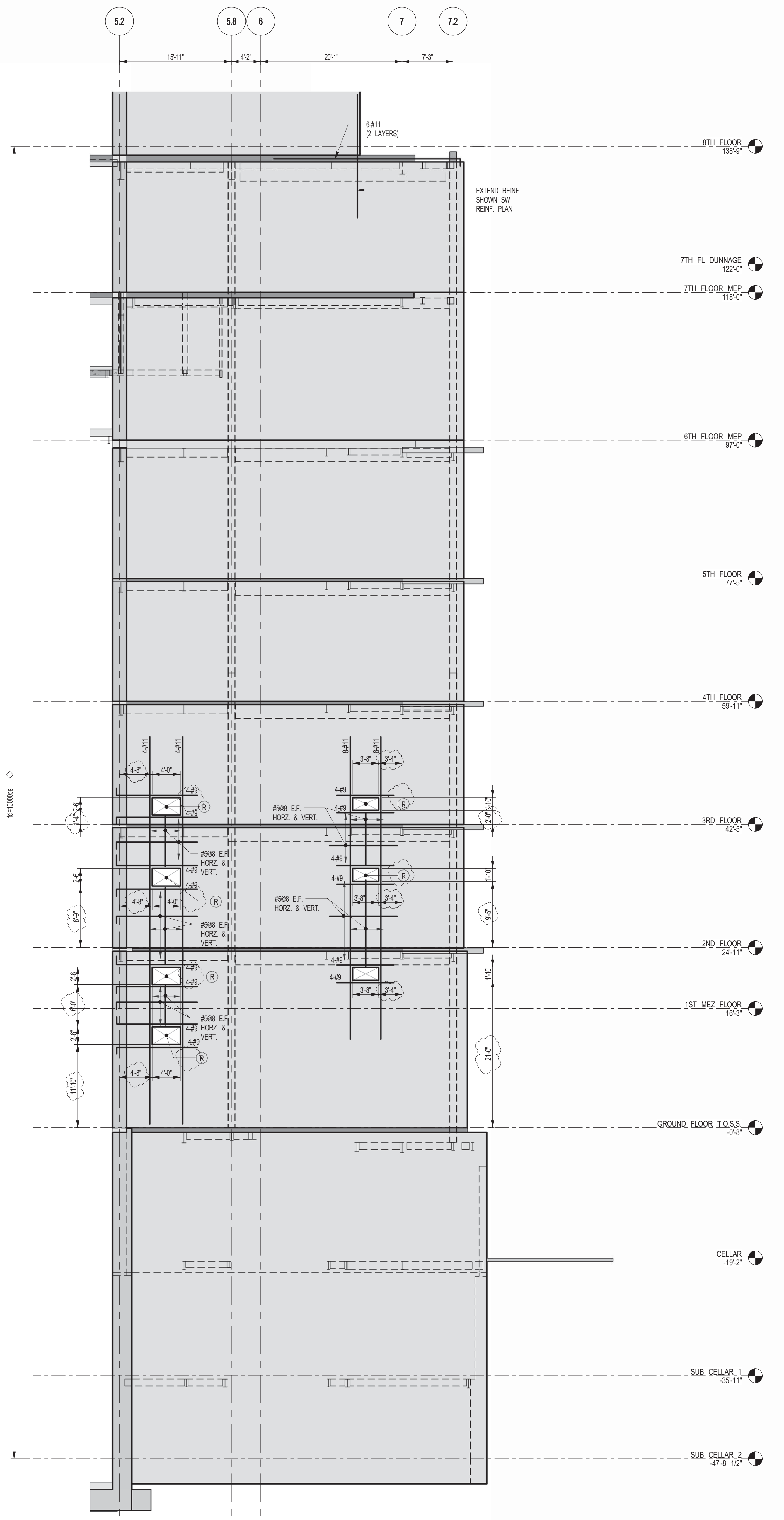
Buildings
APPROVED
Under Directive 2 of 1995
Date: 07/09/2015
NYC Development Hub

NOTES:
1. FOR NOTES SEE DRAWING S-463.

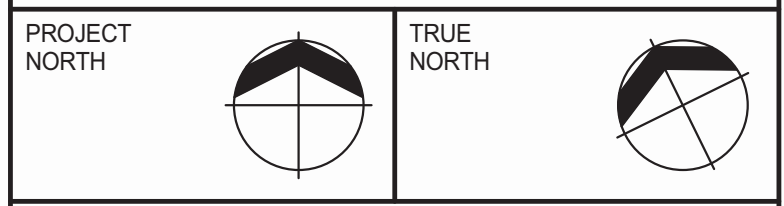
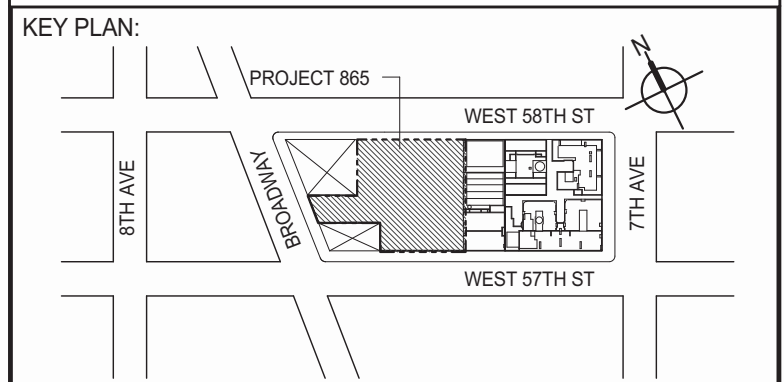
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1 SHEARWALL EL. ALONG GL A
S-466 SCALE: 1/8" = 1'-0"



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



DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
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CURTAINWALL CONSULTANT: **AJLP Consulting**
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No.	DESCRIPTION	DATE
1	CD PROGRESS ISSUE 1	10-15-2014
2	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
3	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
4	DOB SUBMISSION	12-19-2014
5	DOB SUBMISSION	02-05-2015
6	CD UPDATE ISSUE	02-10-2015
7	CONSTRUCTION DOCUMENTS ISSUE 3	03-09-2015
8	PROGRESS CD	05-08-2015
9	CONSTRUCTION DOCUMENTS ISSUE 4	06-01-2015
10	CD PROGRESS ISSUE 5	08-10-2015
11	DOB AMENDMENT 2	09-18-2015

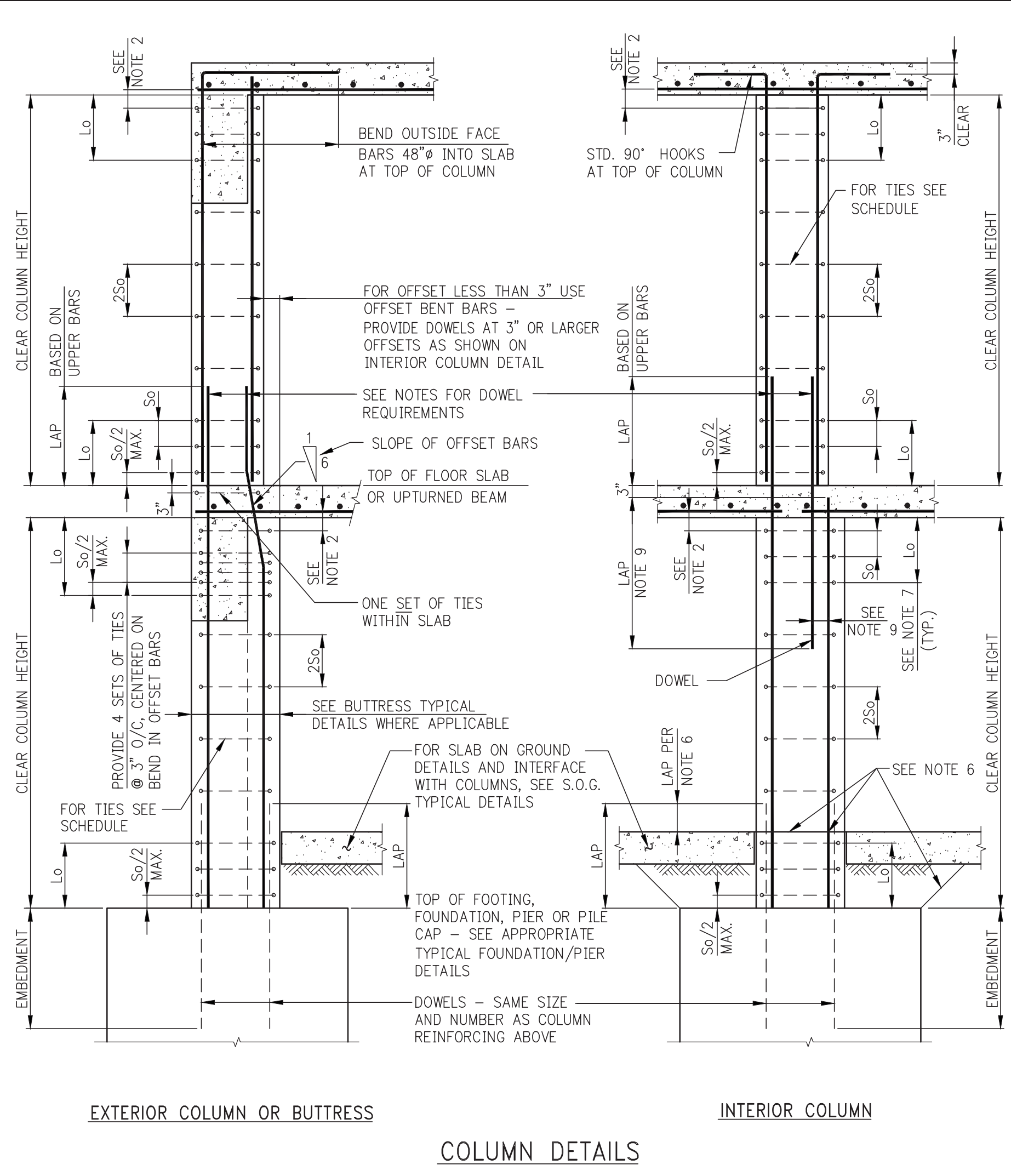
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PROJECT: **217 WEST 57TH STREET
NEW YORK, NY**

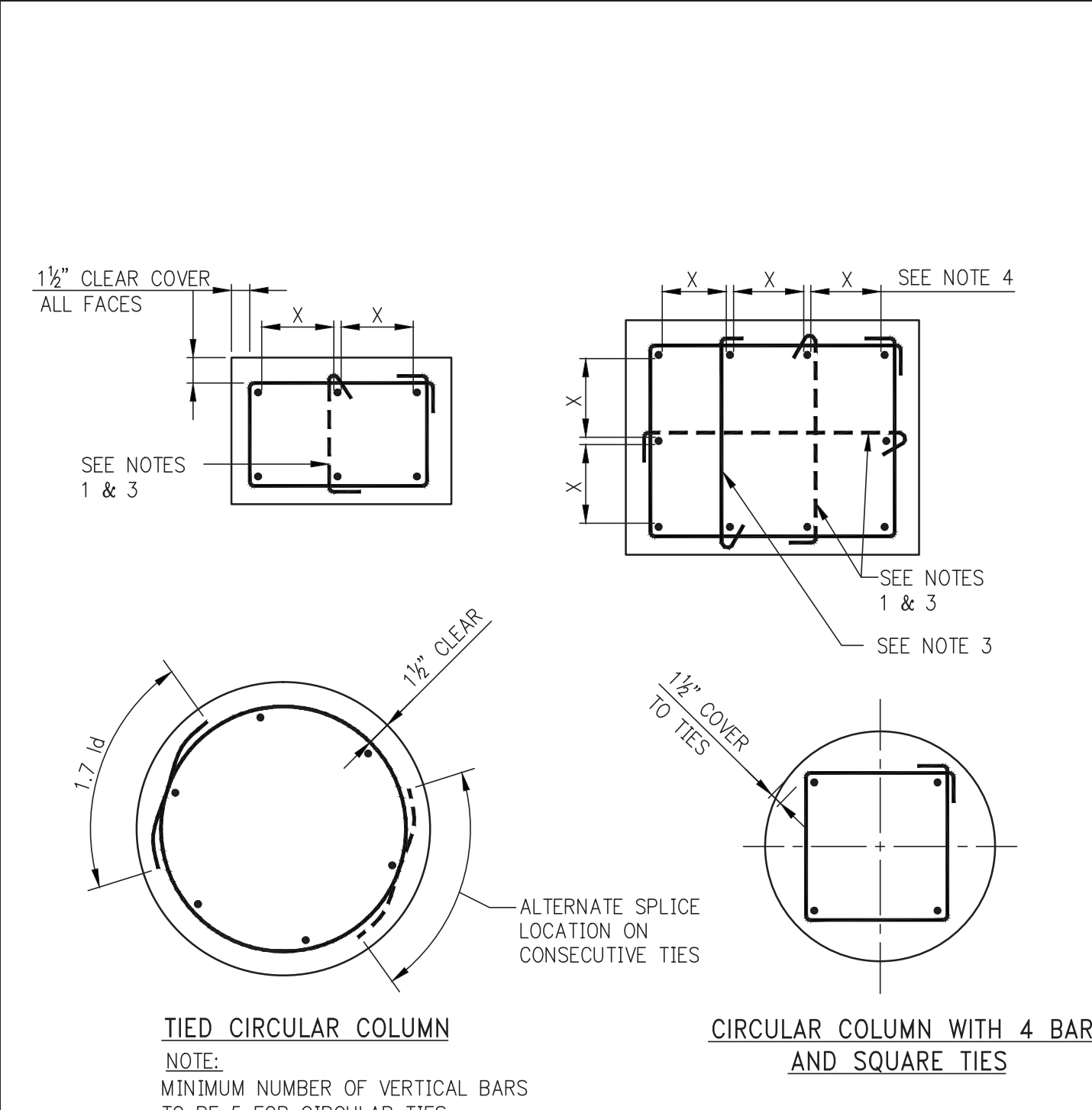
DRAWING TITLE: **SHEARWALL ELEVATIONS ALONG
GRIDLINE A & F.5**

SEAL & SIGNATURE: [Signature] DATE: 10-15-2014
PROJECT No: 2012185
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CHK: YE SCALE: 1/8" = 1'-0"
DWG No: **S-466.01**
DOB PAGE No: 127 OF 158
DOB EMPLOYEE STAMP: [Stamp] DOB B-SCAN:

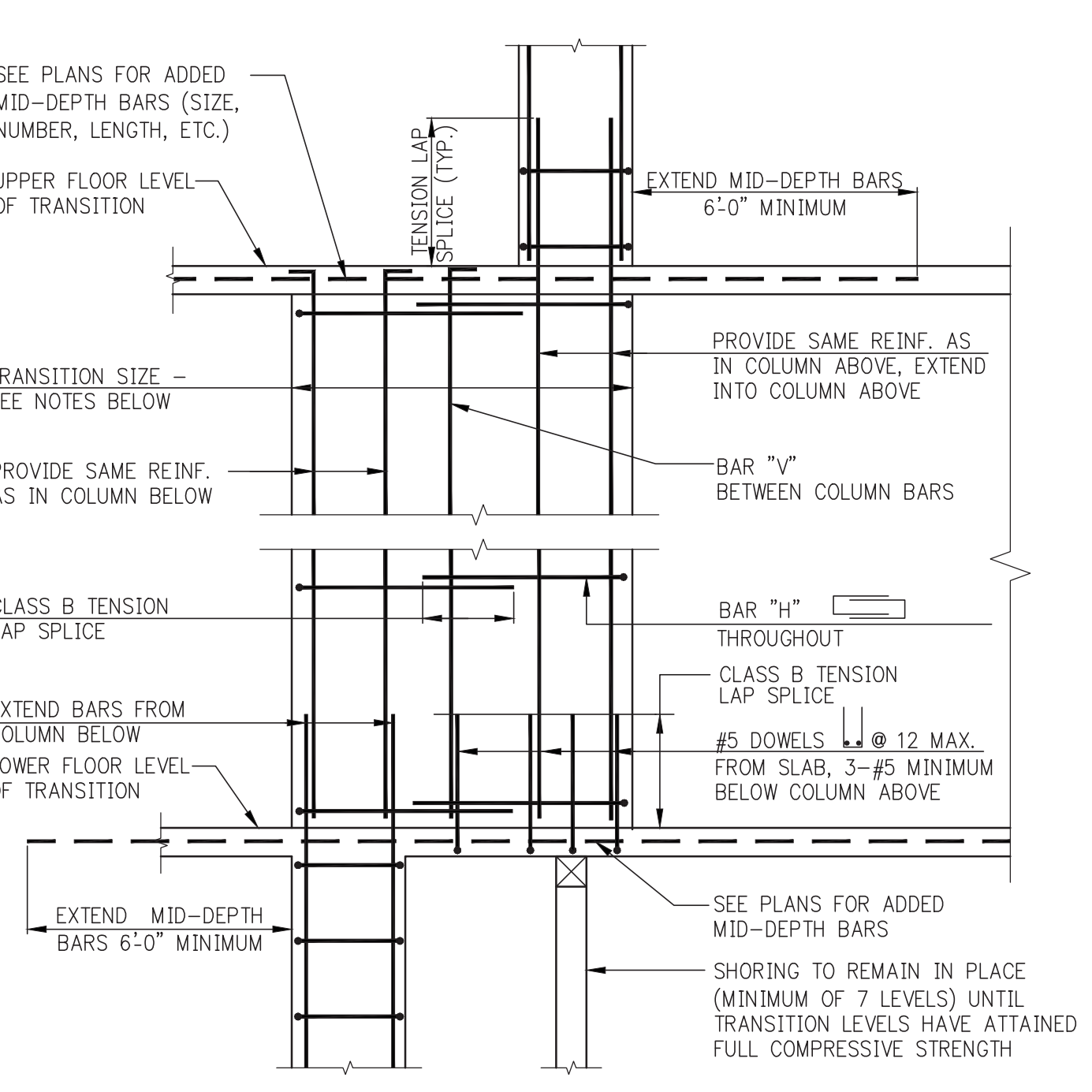
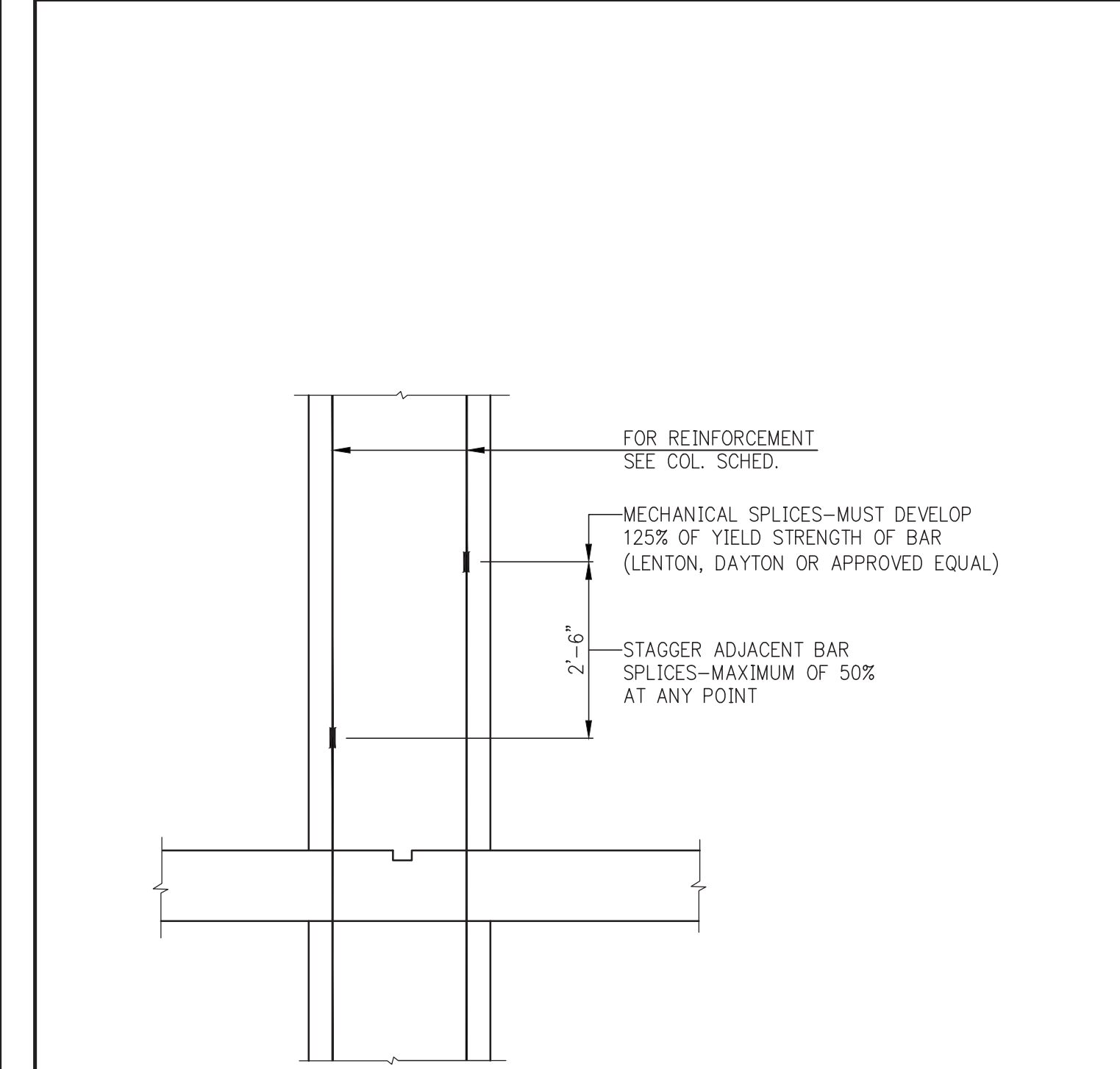
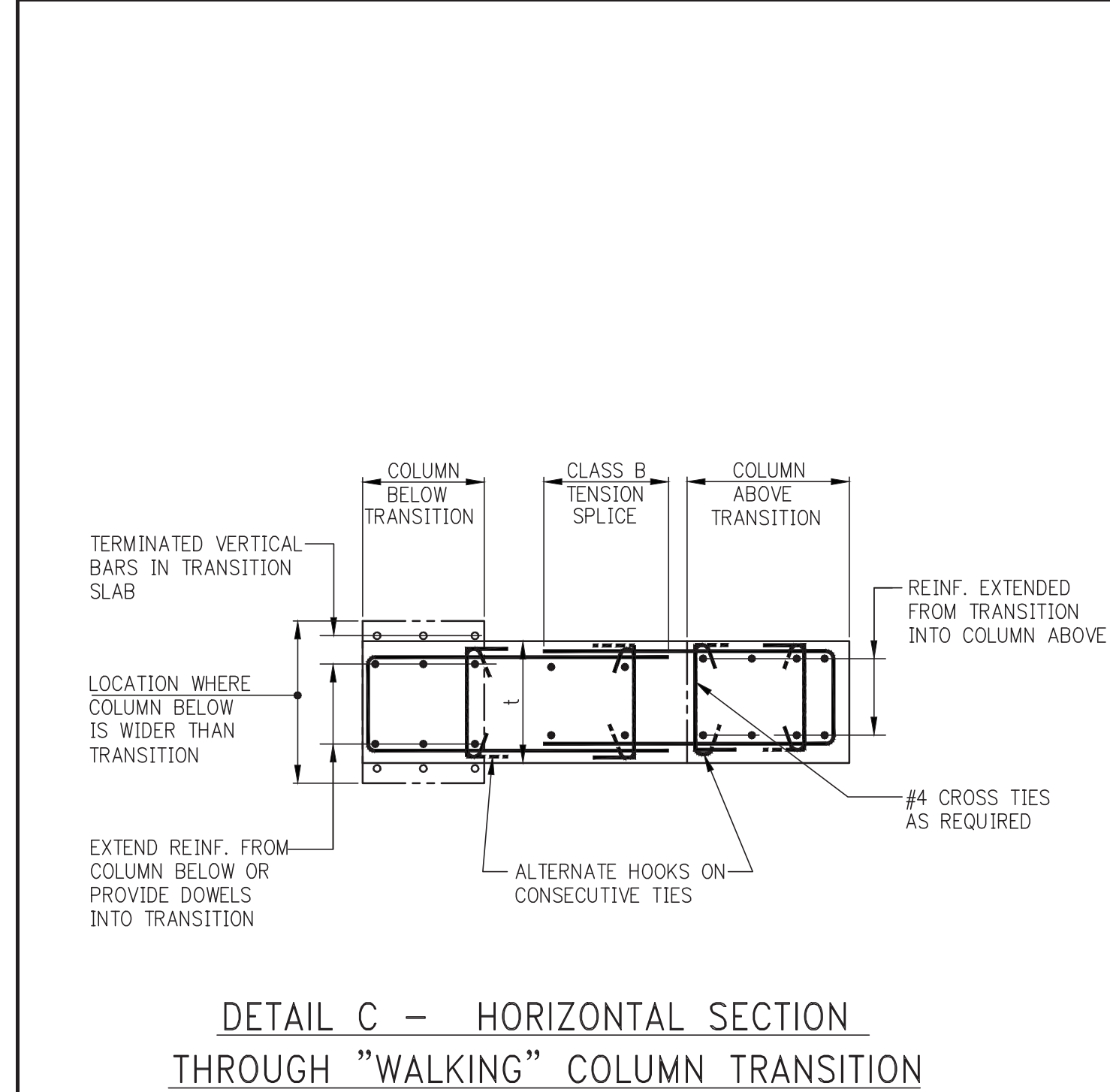


COLUMN TIE SCHEDULE			
VERTICAL BAR SIZE	#3	#4	#5
#5	5	-	-
#6	6	-	-
#7	7	-	-
#8	8	8	-
#9	9	9	-
#10	9	10	-
#11	-	11	11
#14	-	12	12
#18	-	12	12

- NOTES:**
- #3 TIES NOT PERMITTED FOR #11, #14, #18 OR BUNDLED VERTICAL BARS.
 - LOCATE TOP SET OF TIES $S_0/2$ MAXIMUM BELOW THE LOWEST HORIZONTAL REINFORCEMENT IN SLAB OR DROP PANEL, WHERE BEAMS FRAME FROM FOUR DIRECTIONS INTO COLUMN, TIES MAY TERMINATE NOT MORE THAN 3" BELOW LOWEST REINFORCEMENT IN SHALLOWEST OF SUCH BEAMS.
 - WHERE AREA OF VERTICAL REINFORCEMENT IN LOWER COLUMN IS GREATER THAN THAT OF UPPER COLUMN, EXTEND AREA OF REINFORCEMENT AT LEAST EQUAL TO THAT OF UPPER COLUMN.
 - WHERE AREA OF REINFORCEMENT IN LOWER COLUMN IS LESS THAN THAT OF UPPER COLUMN, PROVIDE ADDITIONAL TIES TO MAKE UP THE DIFFERENCE.
 - ALL LAP SPLICES AND EMBEDMENTS TO BE TENSION SPLICE UNLESS OTHERWISE NOTED IN COLUMN SCHEDULE.
 - WHERE SLAB IS POURED OVER FOUNDATION PRIOR TO COLUMN, VERTICAL REINFORCEMENT AND DOWEL LAP TO START AT TOP OF SLAB.
 - LENGTH "L" SHALL NOT BE LESS THAN 1/8 OF CLEAR HEIGHT OF COLUMN, MAXIMUM COLUMN DIMENSION, OR 18".
 - IF COLUMN REQUIRES SHEAR REINFORCEMENT, MAXIMUM SPACING OF TIES SHALL BE LIMITED TO $d/2$, REQUIRED SIZE, NUMBER AND SPACING OF TIES MAY BE MORE STRINGENT THAN SHOWN IN TYPICAL DETAILS.
 - IF OFFSET OF DOWEL IS MORE THAN 6", LAP SHALL BE TWICE THE COMPRESSION DEVELOPMENT LENGTH OF THE SMALLER BAR.

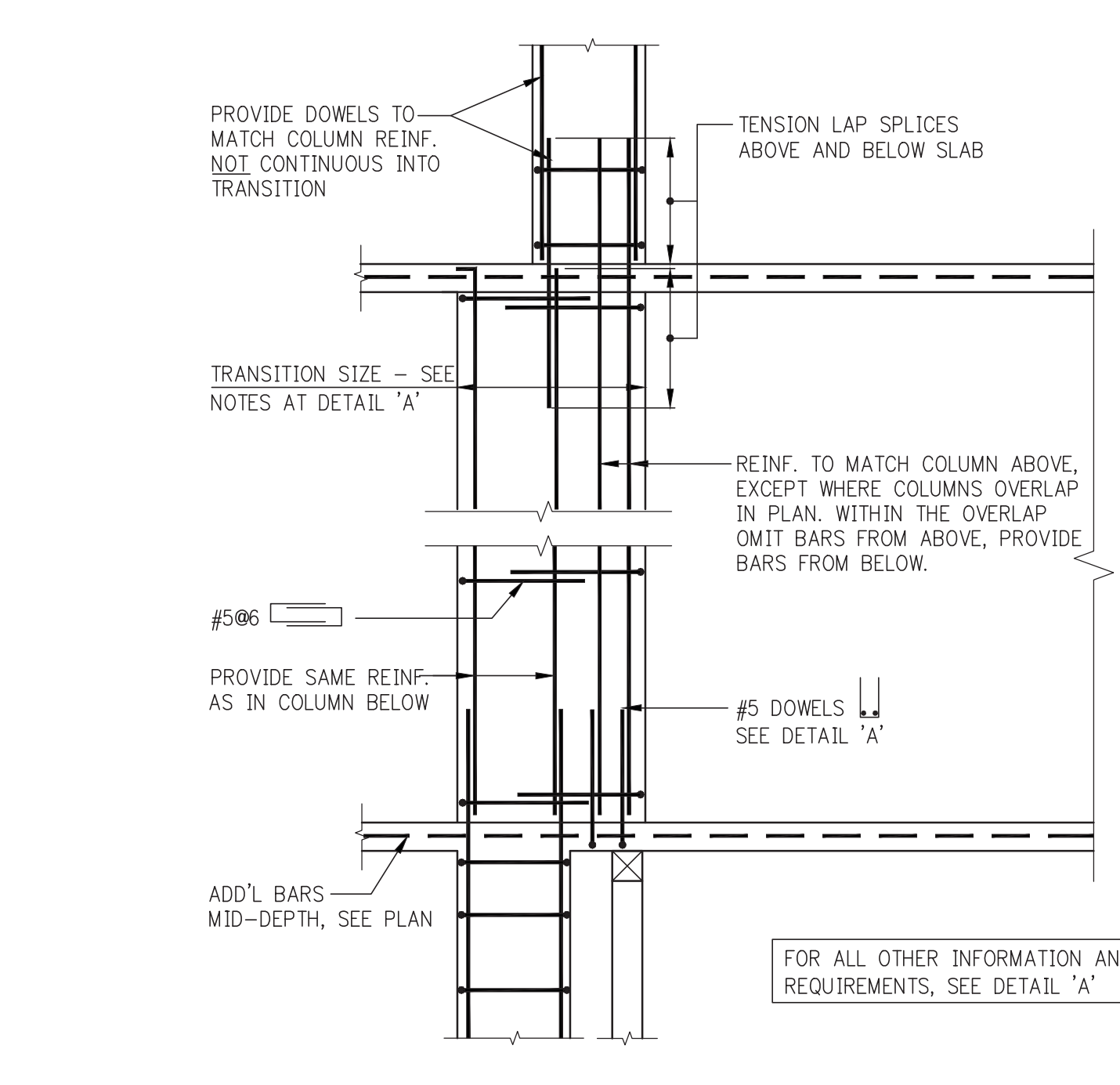


- COLUMN REINFORCEMENT AND TIES ARRANGEMENT**
- NOTES:**
- SINGLE LEG CROSSIES, SHOWN DASHED, MAY BE OMITTED WHEN THE VERTICAL BAR IS NO FURTHER THAN 6" CLEAR ON EACH SIDE FROM ADJACENT TIED BARS.
 - WHEN THERE IS A SERIES OF VERTICAL BARS (SUCH AS IN WALL-LIKE COLUMNS) AND BARS ARE SPACED NOMINALLY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

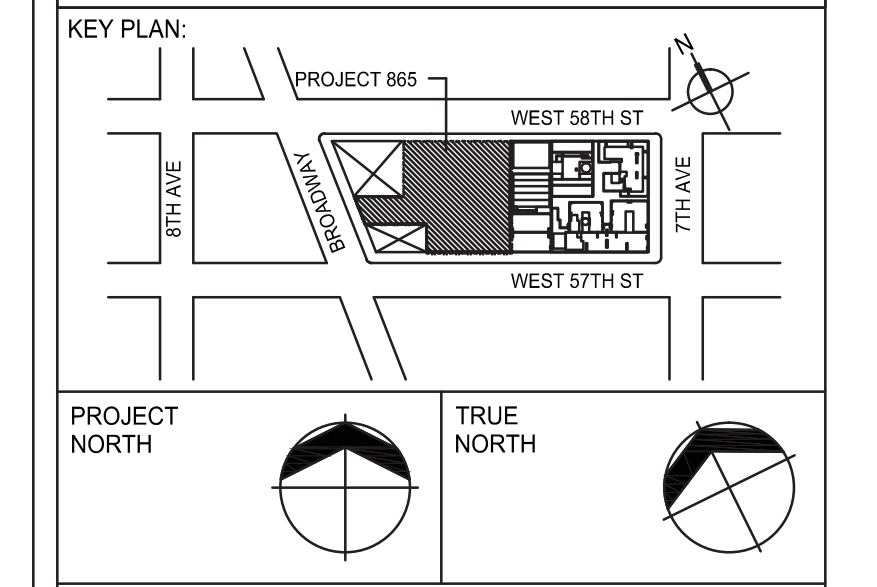


- NOTES:**
- FOR DIMENSIONS AND LOCATION OF TRANSITION SEE COLUMN LOCATION PLANS AND/OR COLUMN SCHEDULE.
 - VERTICAL REINFORCEMENT IN TRANSITION TO BE AS SHOWN IN DETAILS "A" AND "B" UNLESS THE COLUMN SCHEDULE CALLS FOR SPECIFIC VERTICAL REINFORCEMENT WITHIN THE TRANSITION.
 - IN ADDITION TO HORIZONTAL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

TRANSER COLUMN THICKNESS	BAR "H"	BAR "V"
$t \leq 24"$	#506	#906 E.F.
$24" < t \leq 36"$	#506	2-#909 E.F.
$t \geq 36"$	2-#506	2-#906 E.F.



- NOTES:**
- USE THIS DETAIL WHERE COLUMNS ABOVE AND BELOW TRANSITION OVERLAP IN PLAN.



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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	FOUNDATION BID PACKAGE	03-31-2014
3	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
4	FOUNDATION BID PACKAGE	04-04-2014
5	STEEL BID PACKAGE	05-22-2014
6	SUPERSTRUCTURE CONCRETE BID	06-02-2014
7	DESIGN DEVELOPMENT	07-01-2014
8	ISSUED FOR DESIGN DEVELOPMENT	07-01-2014
9	SE ZONE STEEL BID	08-20-2014
10	CD PROGRESS ISSUE 1	10-15-2014
11	DOB SUBMISSION	12-18-2014
12	DOB SUBMISSION	02-05-2015
13	PROGRESS CD	05-08-2015
14	DOB AMENDMENT 2	09-18-2015

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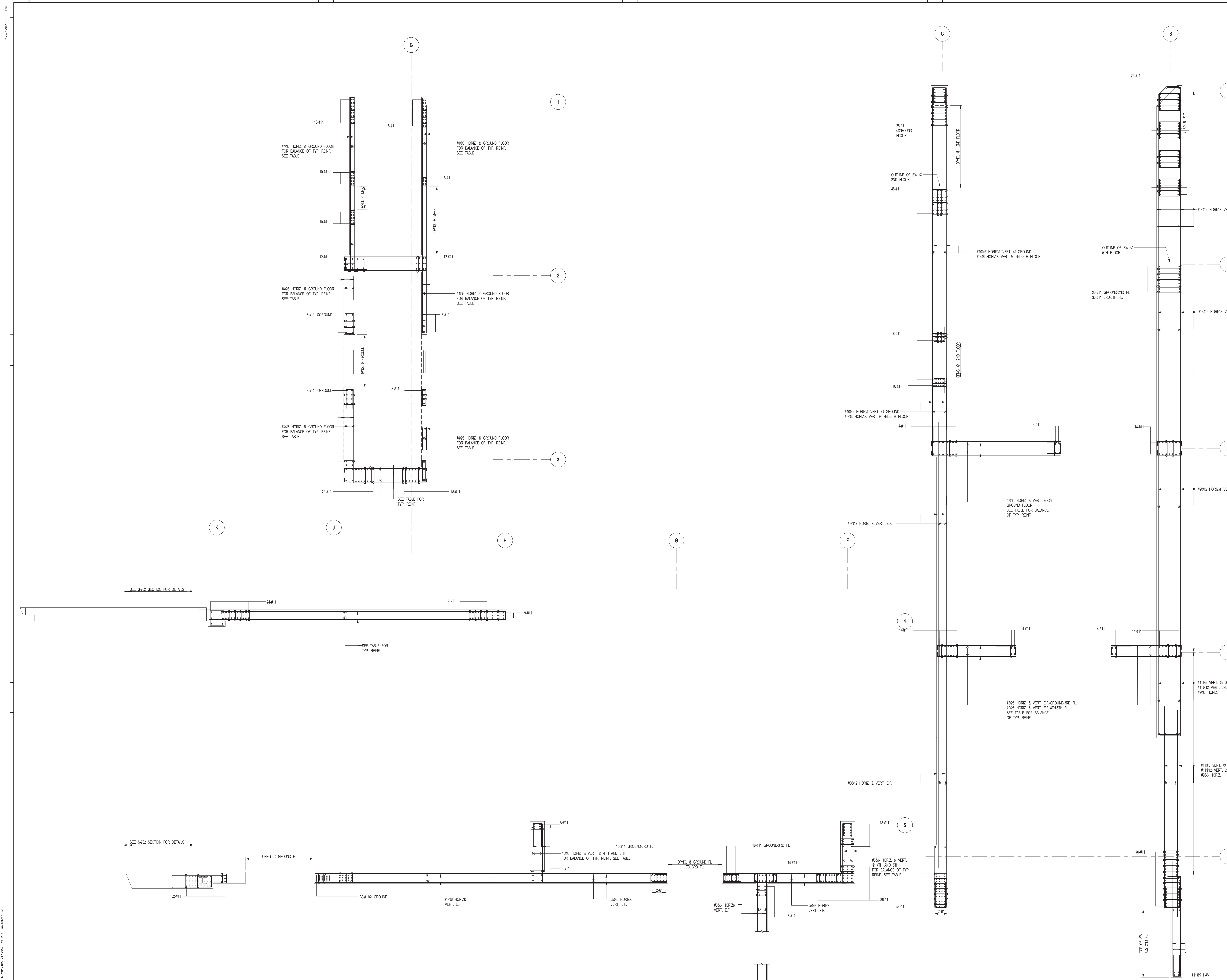
CONSULTANT: WSP
228 East 45th Street
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PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

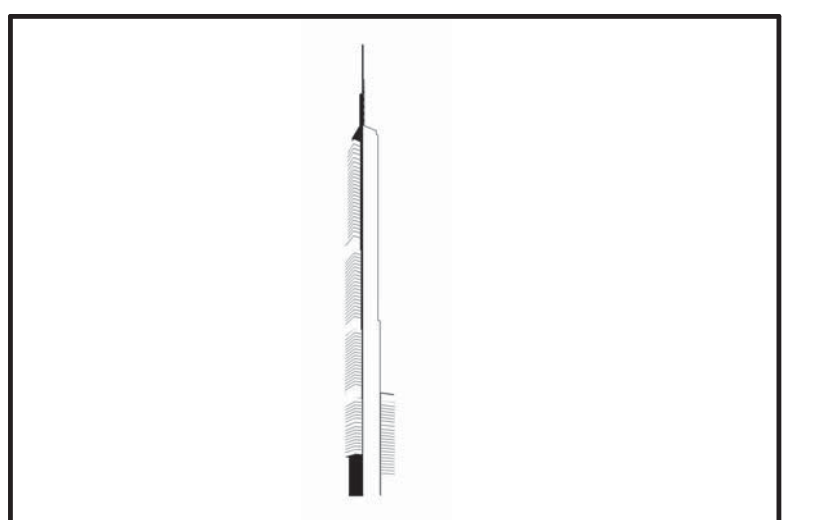
DRAWING TITLE: TYPICAL CONCRETE COLUMNS DETAILS 1

DATE:	03-31-14
PROJECT No:	2012185
DRAWN: CADD	REV:
CHK: Y.E.	14
SCALE: AS INDICATED	
DWG No:	S-513.01
DOB No:	DOB PAGE No: 133 OF 158
DOB EMPLOYEE ID:	DOB B-SCAN:





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



PROJECT NORTH
TRUE NORTH

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TEL: 212 759 6452 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
2	DOB SUBMISSION	12-19-2014
3	DOB SUBMISSION	02-05-2015

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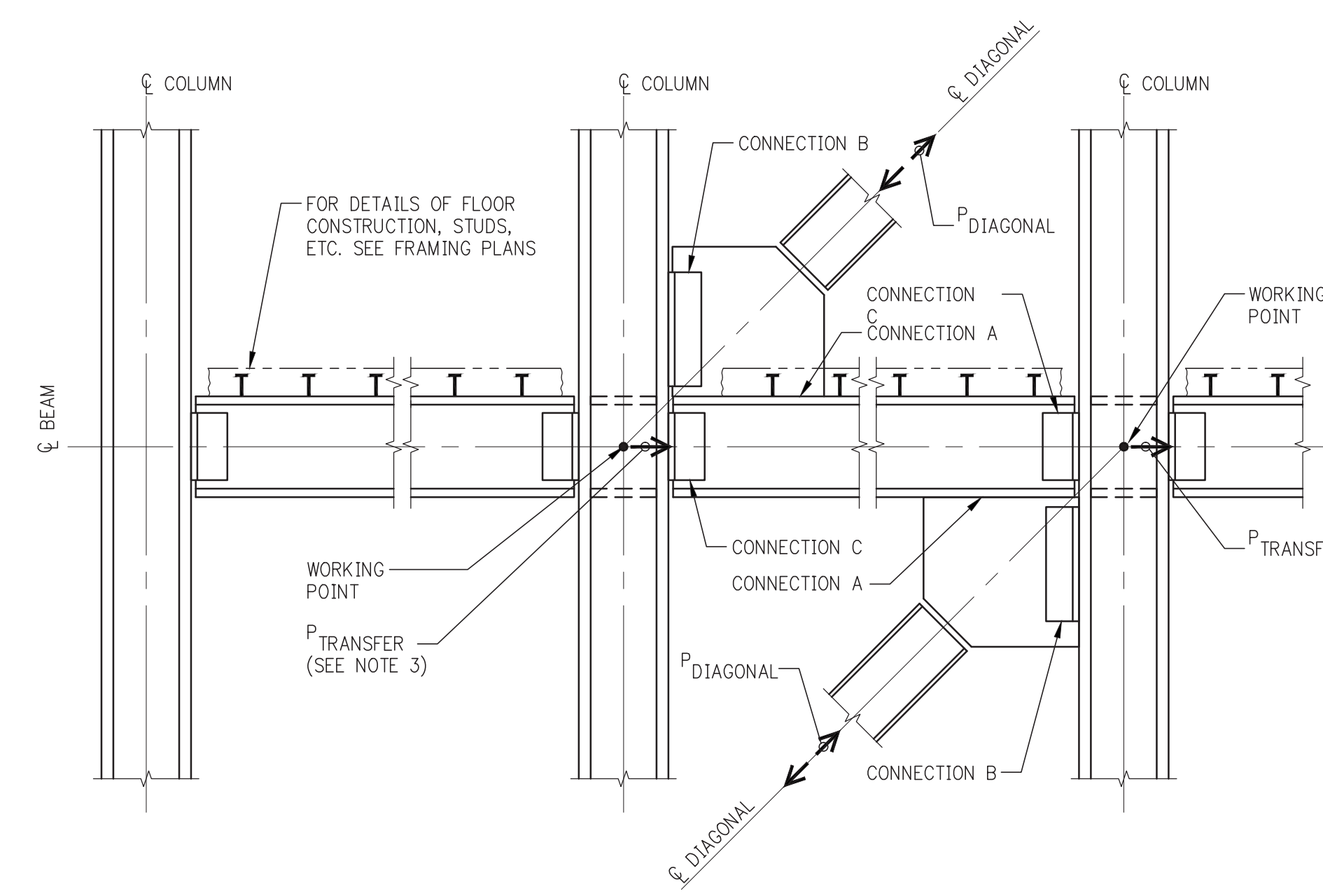
PROJECT:
**217 WEST 57TH STREET
NEW YORK, NY**

DRAWING TITLE:
**SHEARWALL PLAN REINFORCEMENT
DETAILS 2 - GROUND TO US 6TH
FLOOR**

DATE: XX-XX-XXXX	2012185
PROJECT No:	2012185
DRAWN: CADD	REV: 3
CHK: YE	SCALE: 3/16" = 1'-0"
DWG No: S-401.00	DOB PAGE No:
DOB EMPLOYEE STAMP:	DOB S-CAN:

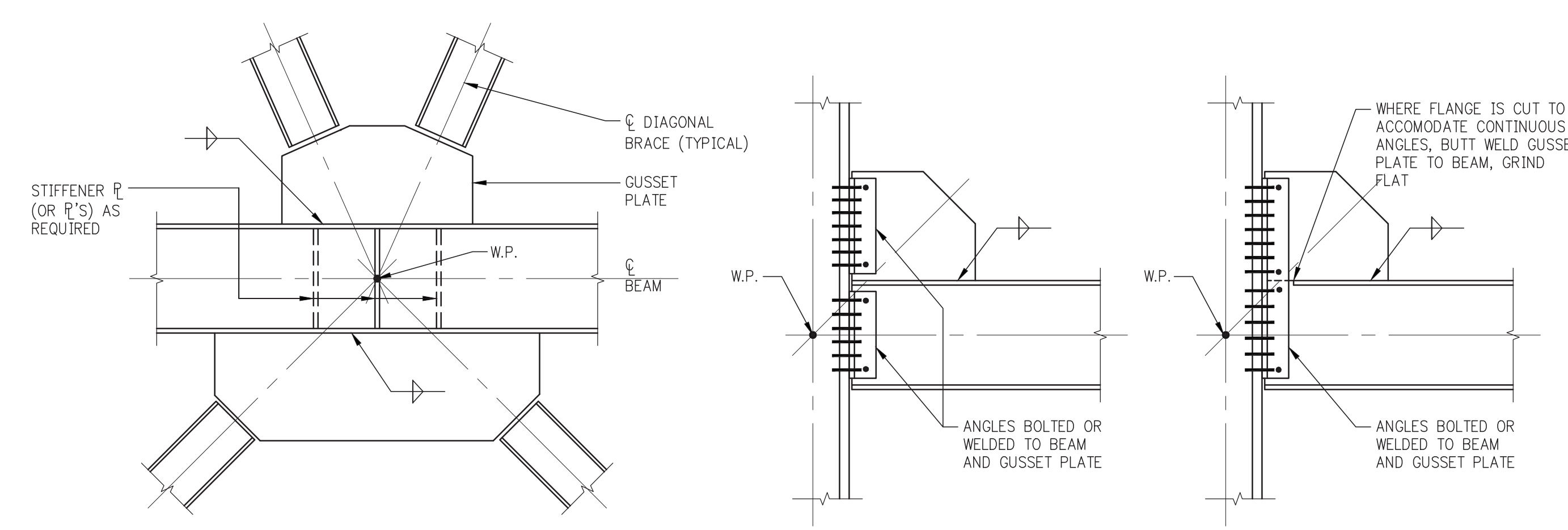
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DOB S-CAN: [Blank]

WSP 451456 01/2014



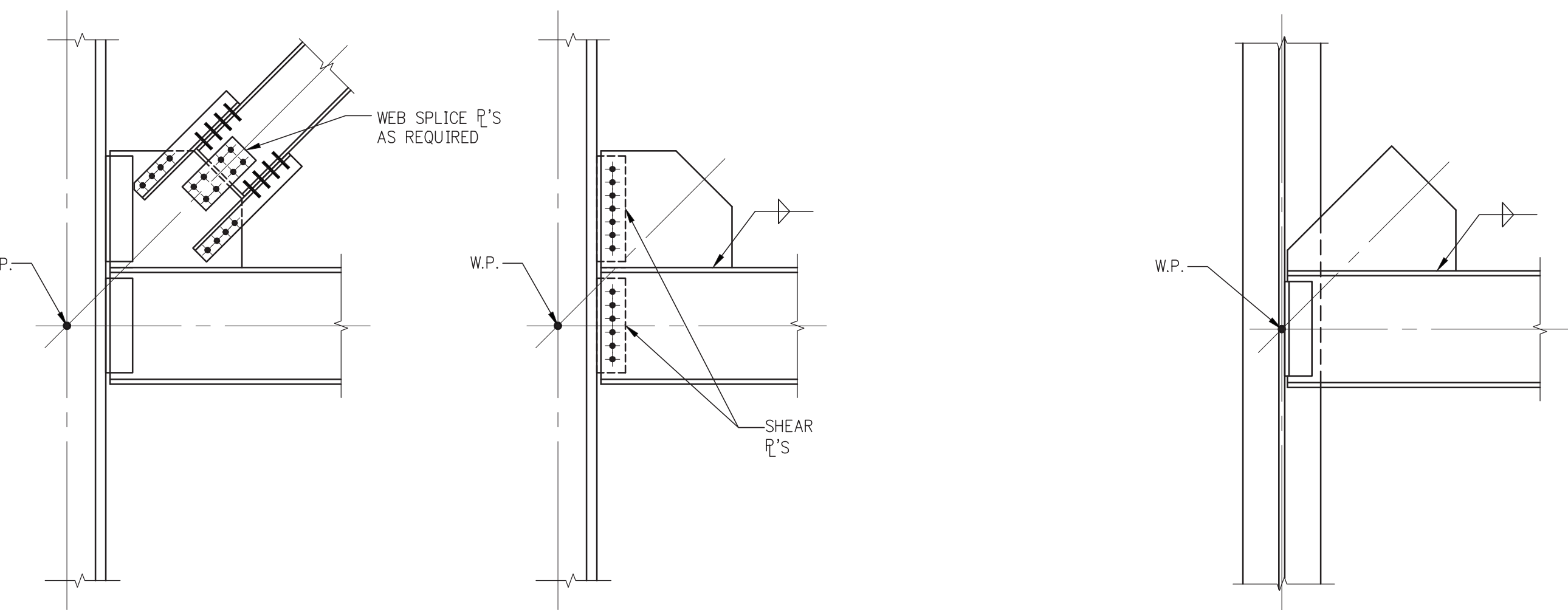
**BRACING ELEVATION ILLUSTRATING
WORKING POINTS AND ADDITIONAL FORCES: P TRANSFER & P DIAGONAL**

- NOTES:**
1. THE UNIFORM FORCE METHOD, AS OUTLINED IN THE MANUAL OF STEEL CONSTRUCTION (LRFD) OF THE AISC, SHALL BE USED IN THE DESIGN OF WIND TRUSS CONNECTIONS.
 2. SEE BRACED FRAME ELEVATIONS IN THE CONTRACT DRAWINGS FOR MEMBER SIZES, AXIAL FORCES IN DIAGONALS (P_{DIAG}), AND ADDITIONAL FORCES TO BE USED IN DESIGN OF CONNECTIONS. SEE COLUMN SCHEDULES AND FRAMING PLANS FOR MEMBER SIZES AND/OR ORIENTATIONS NOT SHOWN IN ELEVATIONS.
 3. IN ADDITION TO VERTICAL AND HORIZONTAL COMPONENTS DERIVED FROM AXIAL FORCES IN DIAGONALS (P_{DIAG}), THE ADDITIONAL FORCE (P_{T}) IS TO BE INCLUDED IN DESIGN OF CONNECTION, WHERE:
 - P_{T} = TRANSFER, THE HORIZONTAL FORCE TRANSFERRING THROUGH A COLUMN FROM ONE SIDE TO THE OTHER.
 4. CONNECT BEAM FLANGES TO COLUMN AS REQUIRED TO TRANSFER FORCES DESCRIBED ABOVE.
 5. IN DESIGN OF ALL CONNECTIONS FOR AXIAL FORCES, WHEN THE CONTROLLING DESIGN AXIAL FORCE IS COMPRESSION, THE CONNECTION SHALL BE DESIGNED TO ALSO PROVIDE A TENSILE CAPACITY OF AT LEAST 50 PER CENT OF THE COMPRESSIVE LOAD.
 6. COLUMNS SHALL BE INVESTIGATED FOR TRANSFER FORCES TO DETERMINE WHETHER STIFFENER PLATES ARE REQUIRED.
 7. FOR DEFINITION OF TYPE OF FORCE IN DIAGONALS (AND BEAMS) WHETHER SERVICE LOAD OR ULTIMATE (LRFD) - SEE BRACED FRAME ELEVATIONS. TO CONVERT SERVICE LOADS TO LRFD USE A FACTOR OF 1.4.
 8. SLIP-CRITICAL BOLTS USED IN ALL WIND TRUSS CONNECTIONS SHALL BE BASED UPON BOLT VALUES GIVEN IN TABLE 7-4 "SLIP-CRITICAL CONNECTIONS" WHERE "SLIP" IS A STRENGTH LIMIT-STATE, CLASS A FAYING SURFACE (13TH EDITION OF AISC MANUAL) (MINIMUM BOLT DIAMETER = #2).
 9. IF THE FABRICATOR PROPOSES TO USE CLASS B FAYING SURFACE AND A GREATER BOLT CAPACITY THAN TABLE 7-4 VALUES, HE MUST SUBMIT HIS PROPOSED DESIGN AND FABRICATION PROCEDURES TO THE ENGINEER FOR PRIOR APPROVAL.

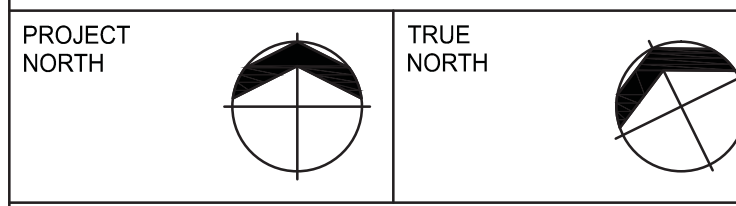
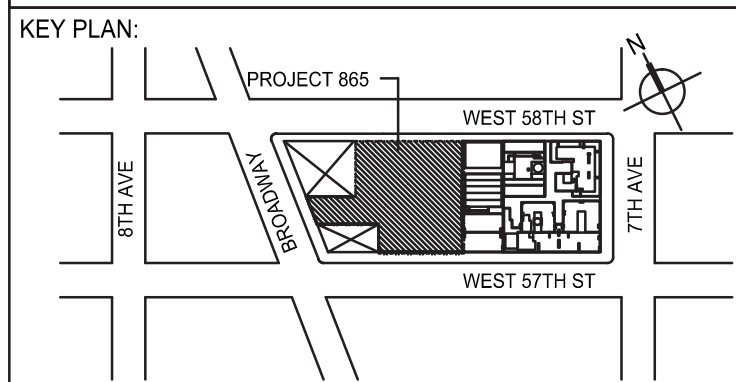


CONNECTION AT 'K' OR 'X' BRACING
NOTE:
GUSSET PLATE CAN OCCUR AT TOP, BOTTOM, OR BOTH FLANGES OF BEAM, DEPENDING UPON BRACING LAYOUT. SEE BRACING ELEVATIONS

DOUBLE ANGLE CONNECTION TO COLUMN FLANGE
SINGLE LENGTH DOUBLE ANGLE CONNECTION TO COLUMN FLANGE



DIAGONAL CONNECTION TO GUSSET PLATE **SHEAR PLATE CONNECTION TO COLUMN FLANGE** **BEAM CONNECTION TO COLUMN WEB (GUSSET PLATE NOT CONNECTED TO COLUMN WEB)**



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

No.	DESCRIPTION	DATE
1	SE ZONE STEEL BID	08-20-2014
2	STRUCTURAL STEEL BID	09-15-2014
3	CD PROGRESS ISSUE 1	10-15-2014
4	ISSUED FOR CONSTRUCTION UP TO 5TH FL ONLY	11-07-2014
5	DOB SUBMISSION	12-19-2014
6	DOB SUBMISSION	02-05-2015

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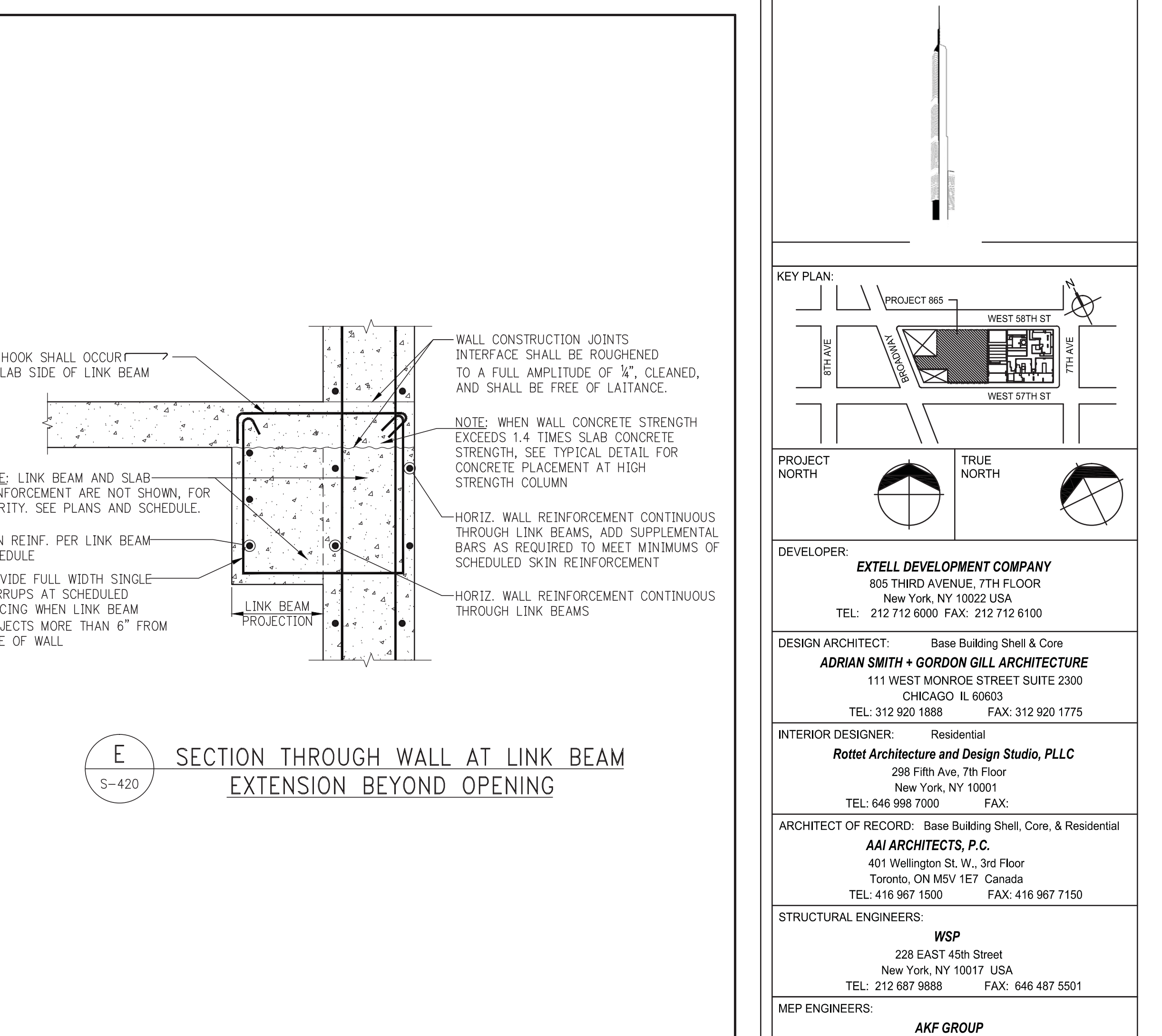
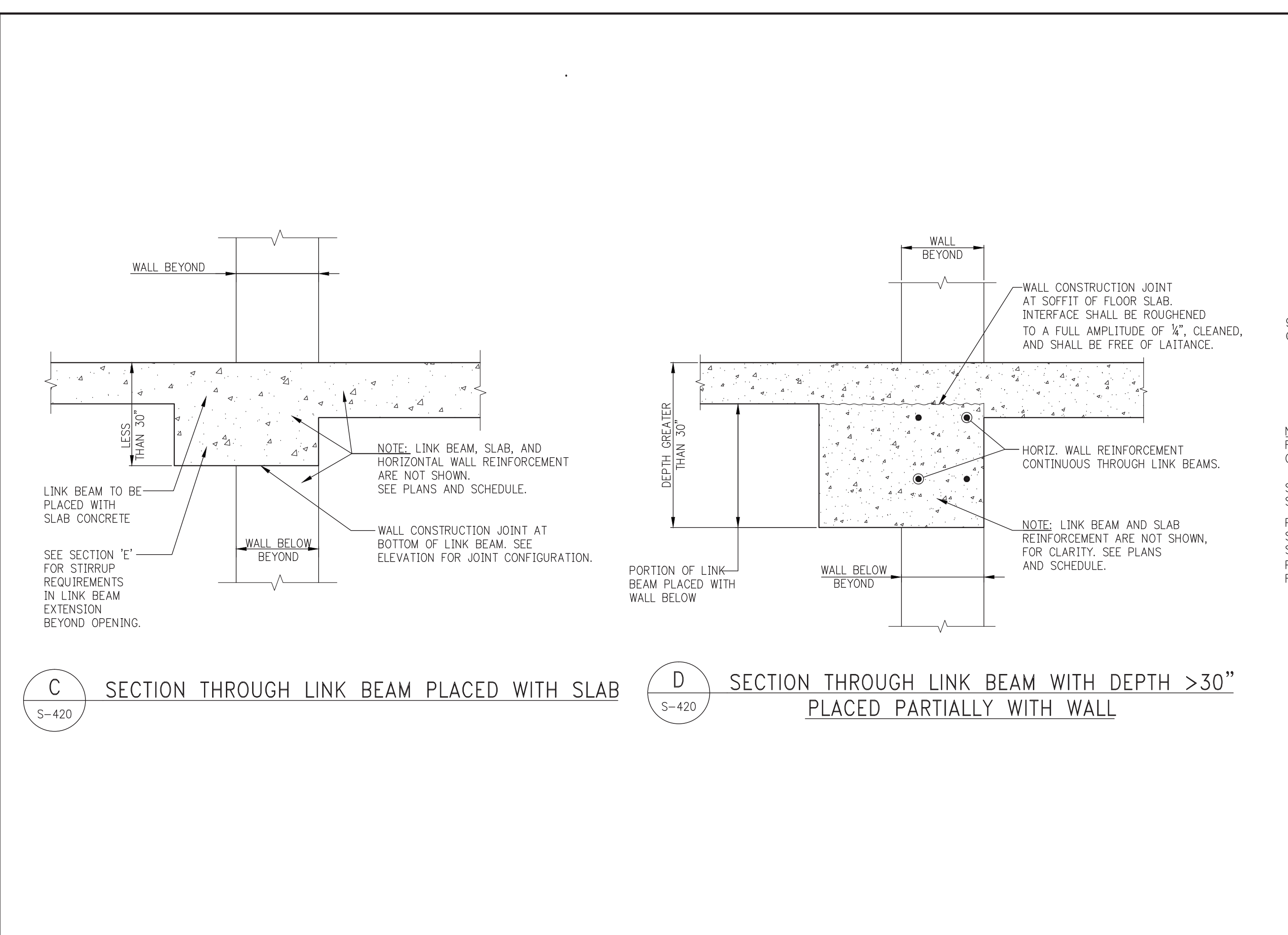
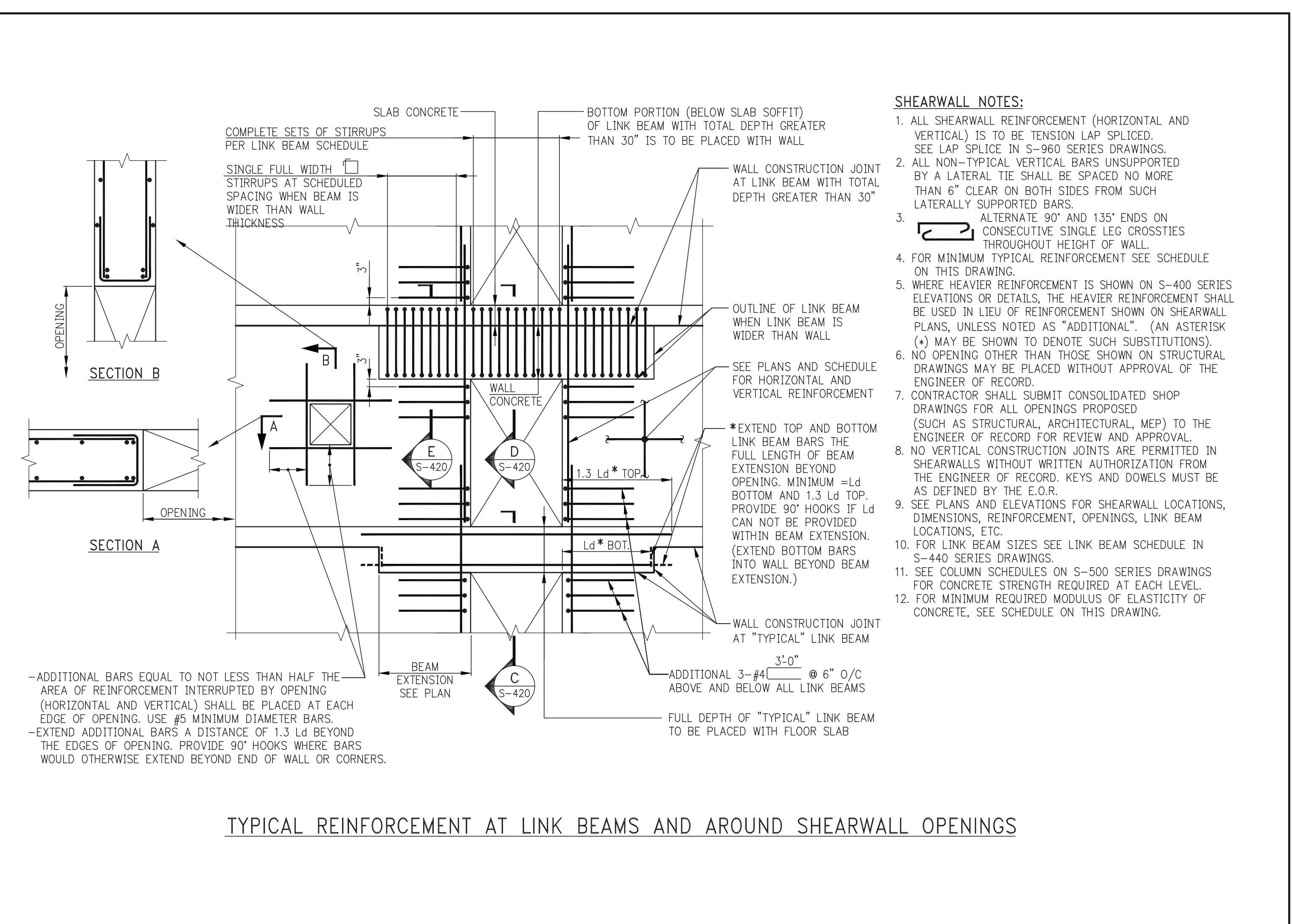
PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:
TYPICAL STEEL FRAME BRACING ELEVATION DETAILS

DATE: 09/20/2014	PROJECT No: 2012185
DRAWN: CADD	REV: 6
CHK: Y.E.	SCALE: AS INDICATED
DWG No: S-420.00	DOB PAGE No: of
DOB EMPLOYEE STAMP:	DOB 5-SCAN:

DOB EMPLOYEE STAMP: _____ of _____

FILE NAME: C:\Users\TPOB\Documents\217 WEST 57TH STREET\217 WEST 57TH STREET.dwg



***TYPICAL MINIMUM SHEARWALL REINFORCEMENT**

WALL THICKNESS (INCHES)	HORIZONTAL AND VERTICAL EACH FACE
UP TO 12	#4@2
12+ TO 16	#4@10
16+ TO 20	#5@12
20+ TO 24	#5@10
24+ TO 28	#6@12
28+ TO 34	#6@10
34+ TO 40	#7@12
40+ TO 48	#7@10
48+ TO 52	#8@12
52+ TO 60	#8@10
60+ TO 66	#9@12

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

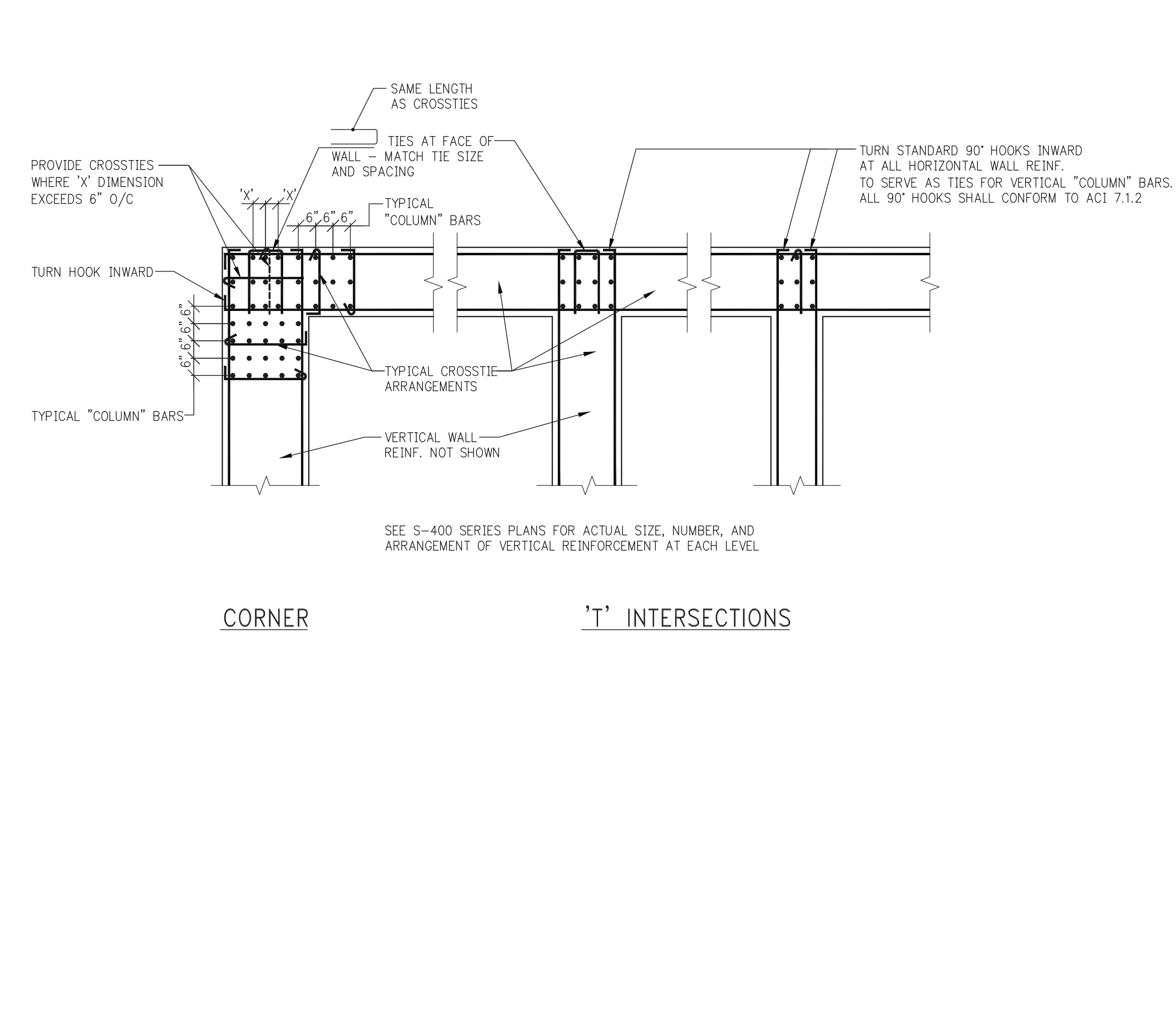
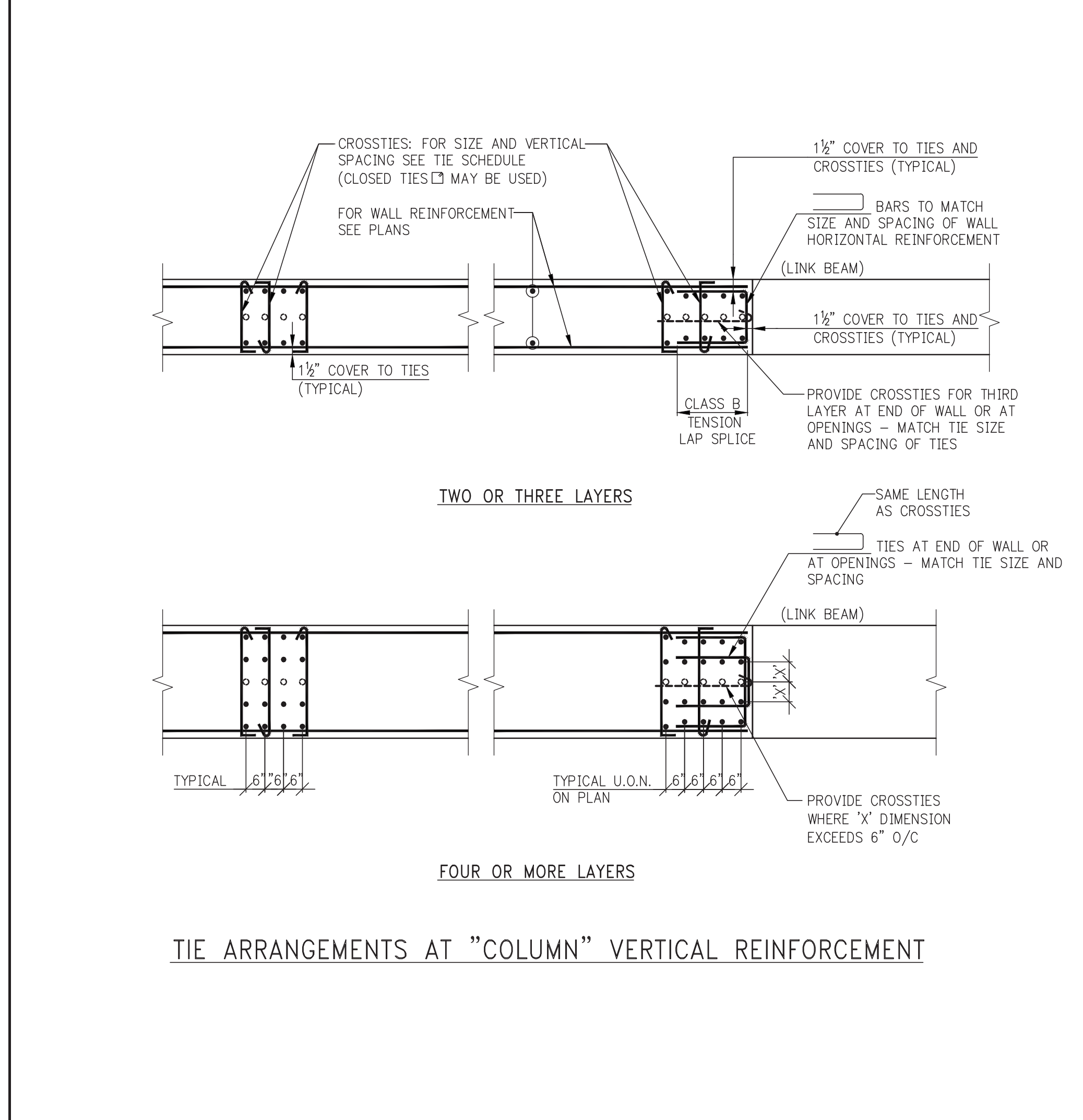
SHEARWALL TIE SCHEDULE

NON-TYPICAL VERTICAL BAR SIZE	#4 TIES VERTICAL SPACING(S), BUT NOT TO EXCEED WALL THICKNESS (INCHES)
#6	12
#7	14
#8	16
#9	18
#10	20
#11	22
BUNDLE OF 2 (UP TO #11)	18
#14, #18, #20	24

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

SHEARWALL CONCRETE MINIMUM REQUIREMENTS

COMPRESSIVE STRENGTH f'c (ksi)	MODULUS OF ELASTICITY E (ksi)
10	5700
12	6244
14	6744



KEY PLAN

PROJECT NORTH

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EXTEL DEVELOPMENT COMPANY
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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	FOUNDATION BID PACKAGE	04-04-2014
4	STEEL BID PACKAGE	05-02-2014
5	SUPERSTRUCTURE CONCRETE BID	06-02-2014
6	DESIGN DEVELOPMENT	07-01-2014
7	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
8	STRUCTURAL STEEL BID	09-15-2014
9	CD PROGRESS ISSUE 1	10-15-2014
10	ISSUED FOR CONSTRUCTION UP TO 5TH FL ONLY	11-07-2014
11	DOB SUBMISSION	12-19-2014
12	DOB SUBMISSION	02-05-2015

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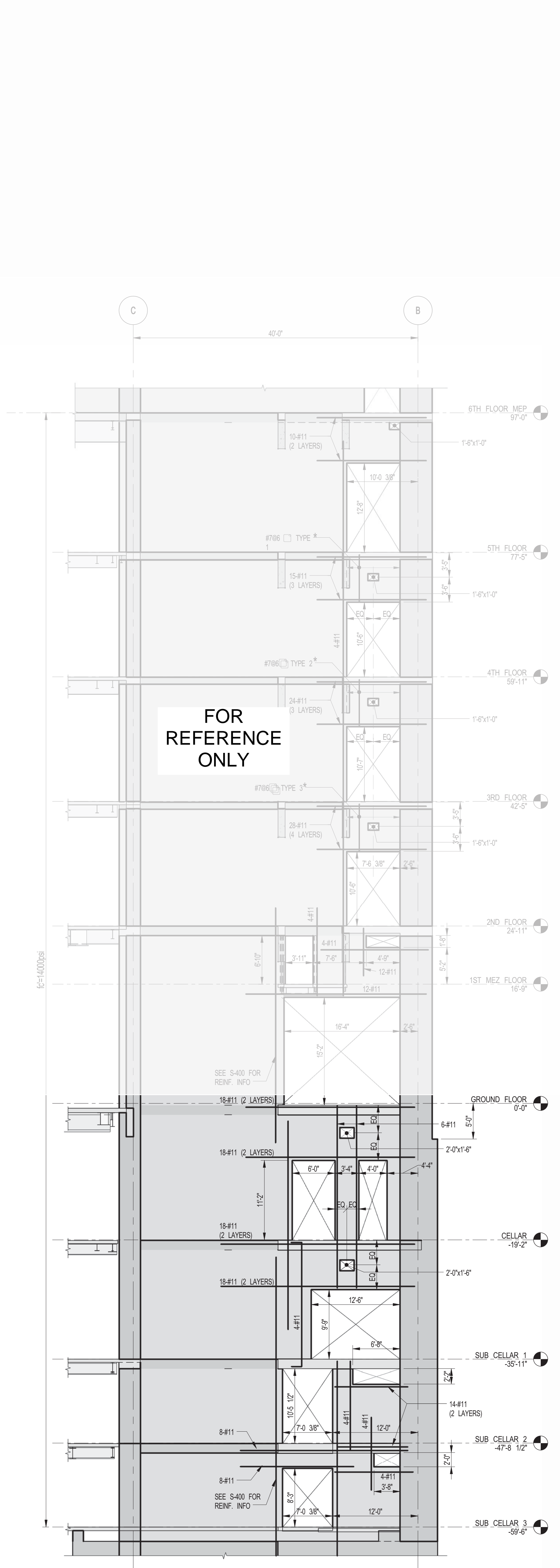
CONSULTANT:
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PROJECT:
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NEW YORK, NY

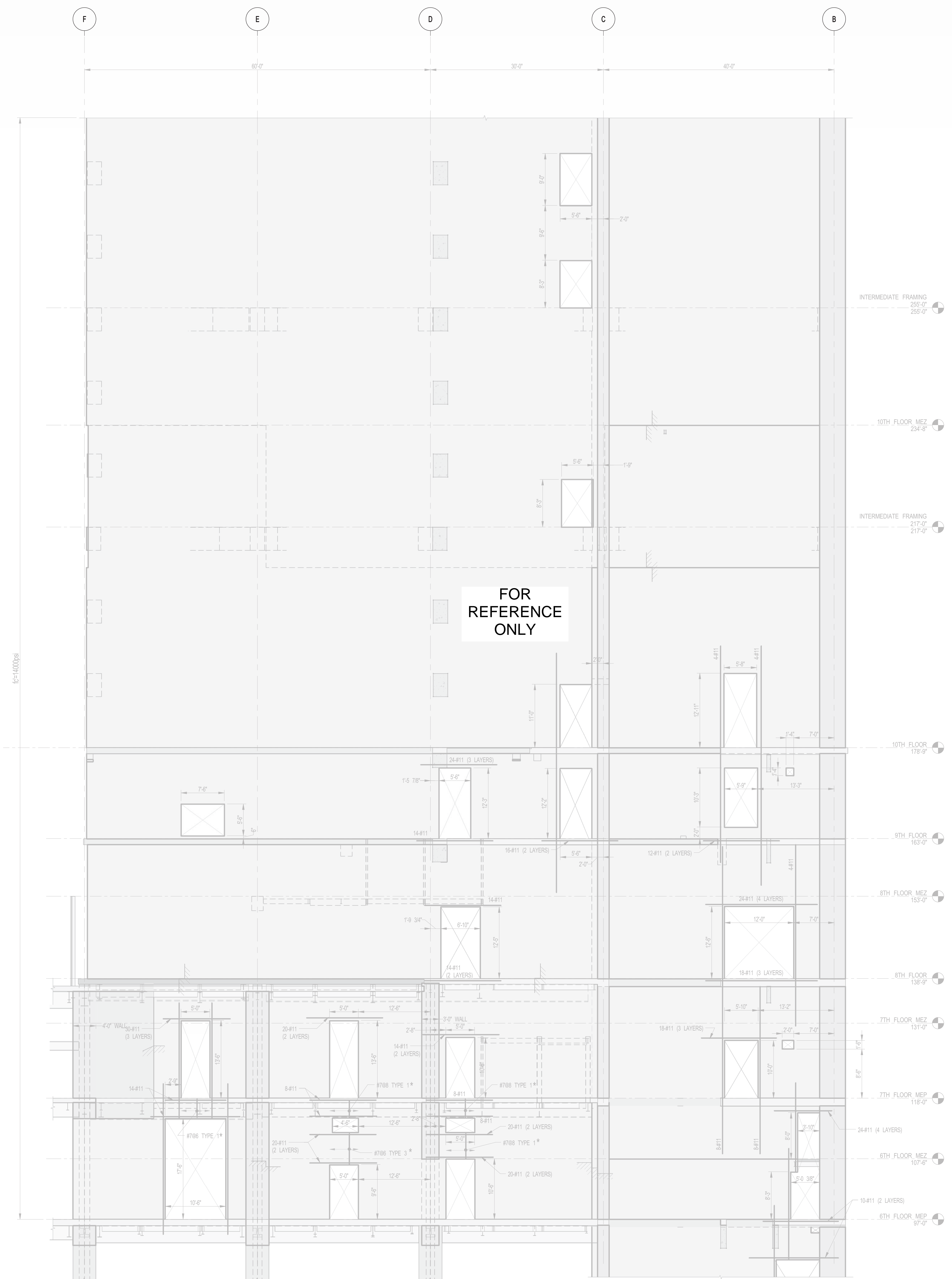
DRAWING TITLE:
TYPICAL CONCRETE SHEARWALL DETAILS

SEAL & SIGNATURE:
 PROJECT No: 2012185
 DATE: 03/31/14
 DRAWN: CADD
 CHK: Y.E.
 SCALE: AS INDICATED
 DWG No: **S-430.00**
 DOB EMPLOYEE ID: of
 DOB 9-SCAN:

30" x 42" ARCH. SHEET SIZE

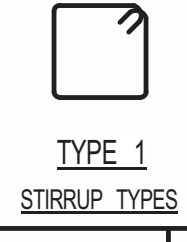


1 SHEARWALL EL. ALONG GL 3
SCALE: 1/8" = 1'-0"



2 SHEARWALL EL. ALONG GL 3
SCALE: 1/8" = 1'-0"

- NOTES**
- ALL REINFORCEMENT SHOWN ON THESE ELEVATIONS IS IN ADDITION TO REINFORCEMENT SHOWN PLANS IN S-400 SERIES DRAWINGS.
 - ALL REINFORCEMENT SHOWN ON ELEVATION IS TO BE USED IN LIEU OF REINFORCEMENT SHOWN ON PLAN.
 - FOR HORIZONTAL REINFORCEMENT IN FOUNDATION WALLS USE THE MORE OVERLAP OF THE TYPICAL SHEARWALL REINFORCING SCHEDULE ON S-400 OR AS SHOWN ON FOUNDATION WALL SECTIONS ON F-300 SERIES.
 - ALL #11 VERTICAL REINFORCING SHALL BE GRADE 75.
 - FOR TYPICAL DETAILS SEE DRAWINGS S-400.



KEY PLAN

PROJECT NORTH

TRUE NORTH

DEVELOPER:
EXTELL DEVELOPMENT COMPANY
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DESIGN ARCHITECT: Base Building Shell & Core
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No.	DESCRIPTION	DATE
1	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
2	CD PROGRESS ISSUE 1	10-15-2014
3	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
4	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
5	ISSUED FOR CONSTRUCTION UP TO 7TH FLOOR ONLY	11-14-2014
6	DOB SUBMISSION	12-19-2014
7	DOB SUBMISSION	01-09-2015
8	DOB SUBMISSION	02-05-2015

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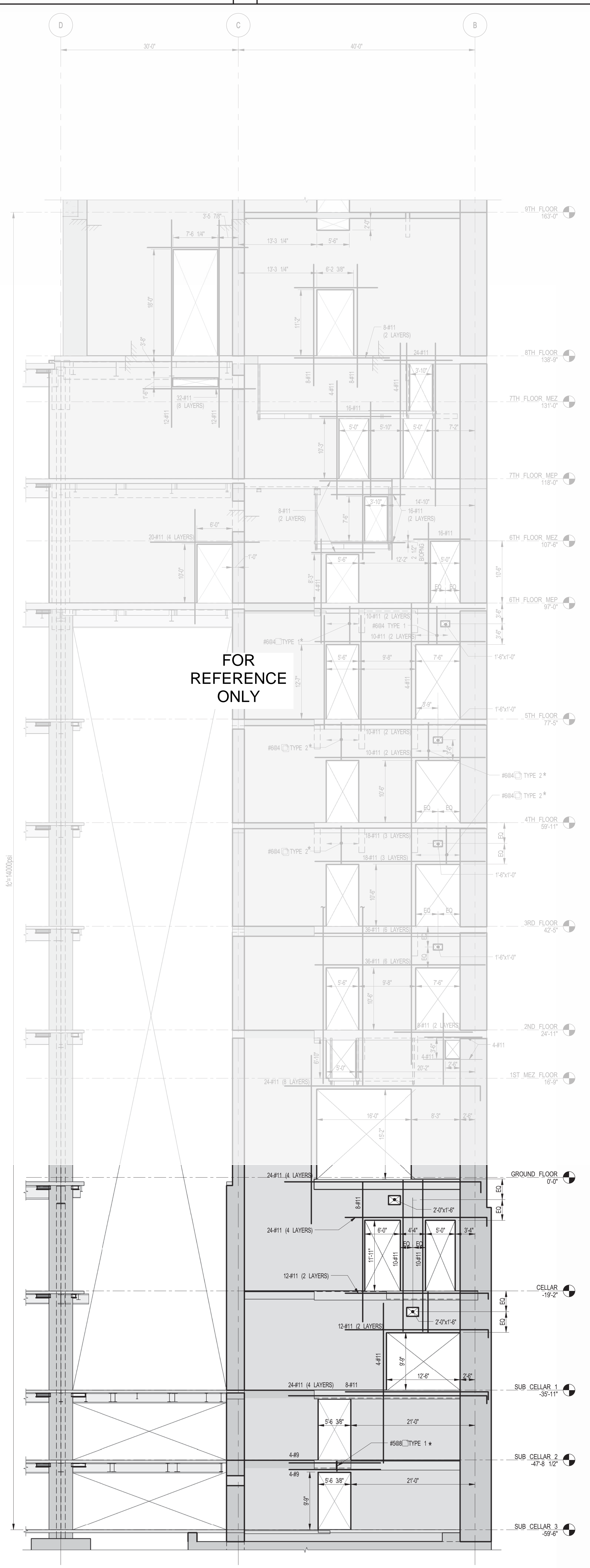
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PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:
SHEARWALL ELEVATIONS ALONG GRIDLINE 3 (1 OF 3)

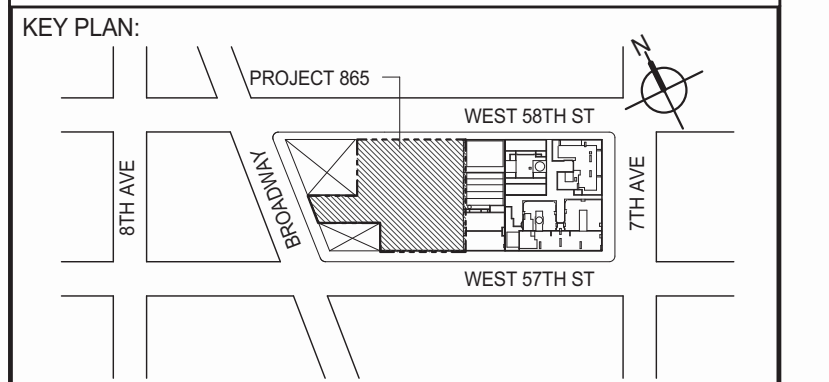
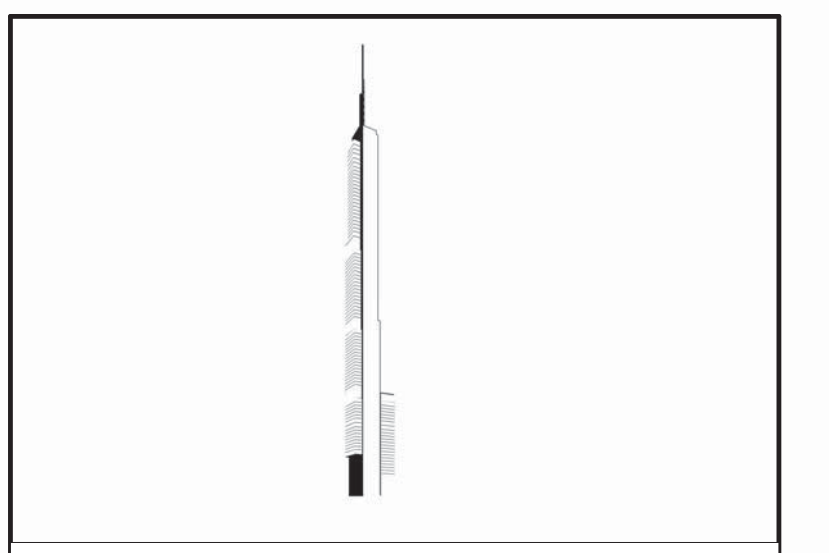
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CHK: YE	SCALE: 1/8" = 1'-0"
DWG No: S-450.00	DOB PAGE No:
DOB EMPLOYEE STAMP:	DOB S-CAN:



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



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



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TEL: 212 759 6452 FAX: 212 759 6540

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

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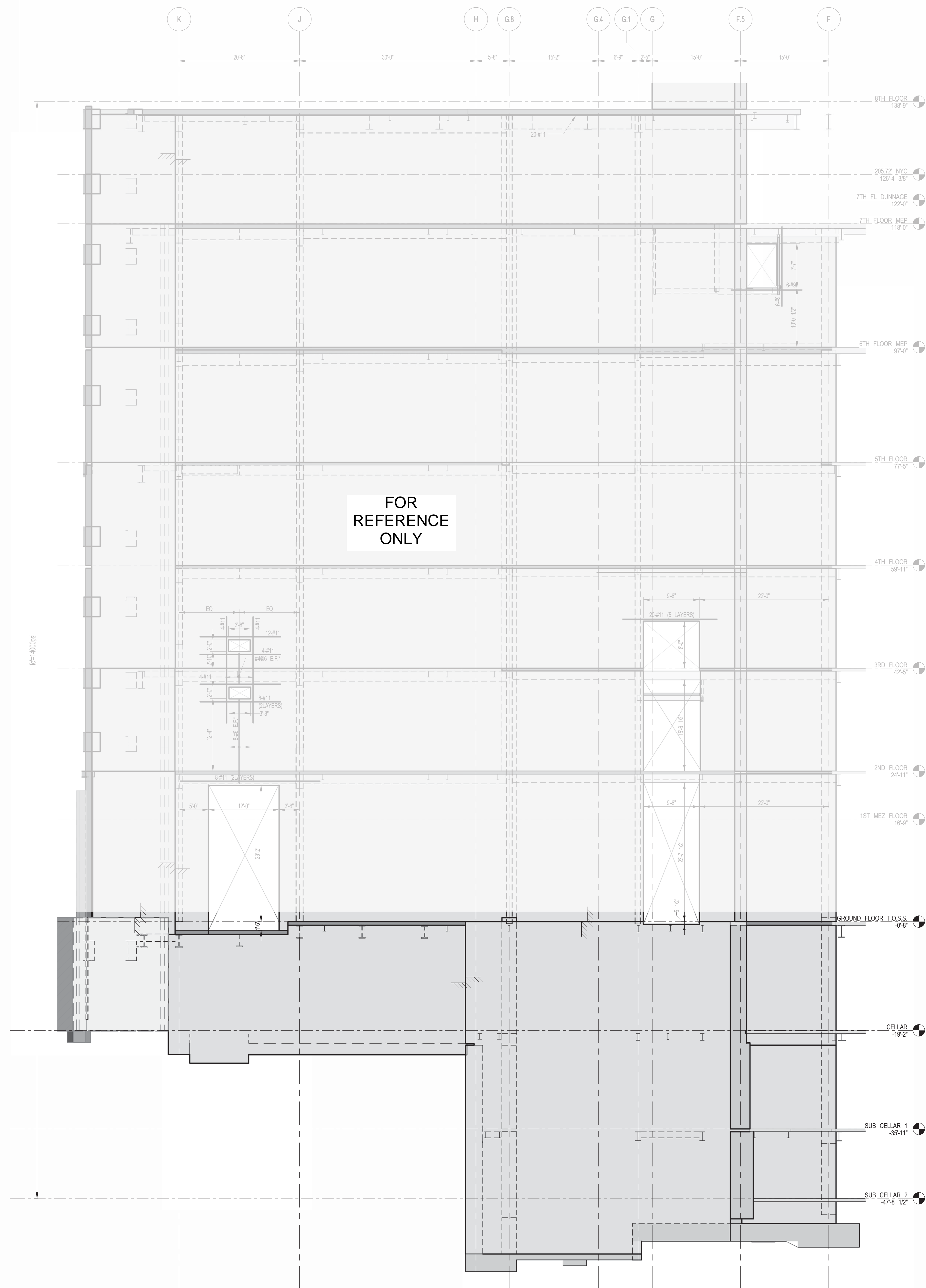
PROJECT: **217 WEST 57TH STREET
NEW YORK, NY**

DRAWING TITLE: **SHEARWALL ELEVATIONS ALONG
GRIDLINE 4 (1 OF 3)**

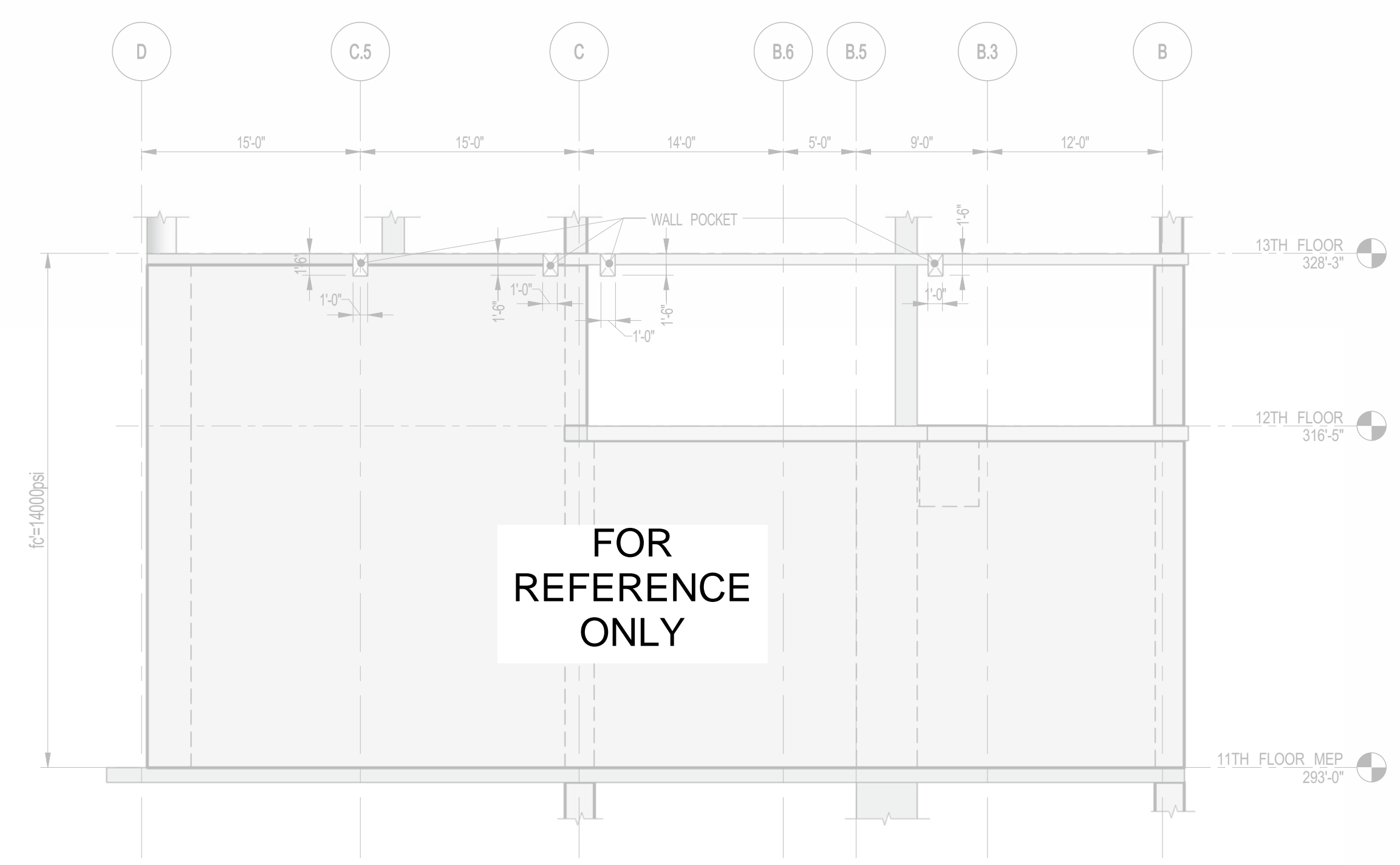
DATE: 10-15-2014
PROJECT No: 2012185
DRAWN: CADD
CHK: YE
SCALE: 1/8" = 1'-0"
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DOB PAGE No: DOB 8-SCAN:

DOB EMPLOYEE STAMP: DOB 8-SCAN:

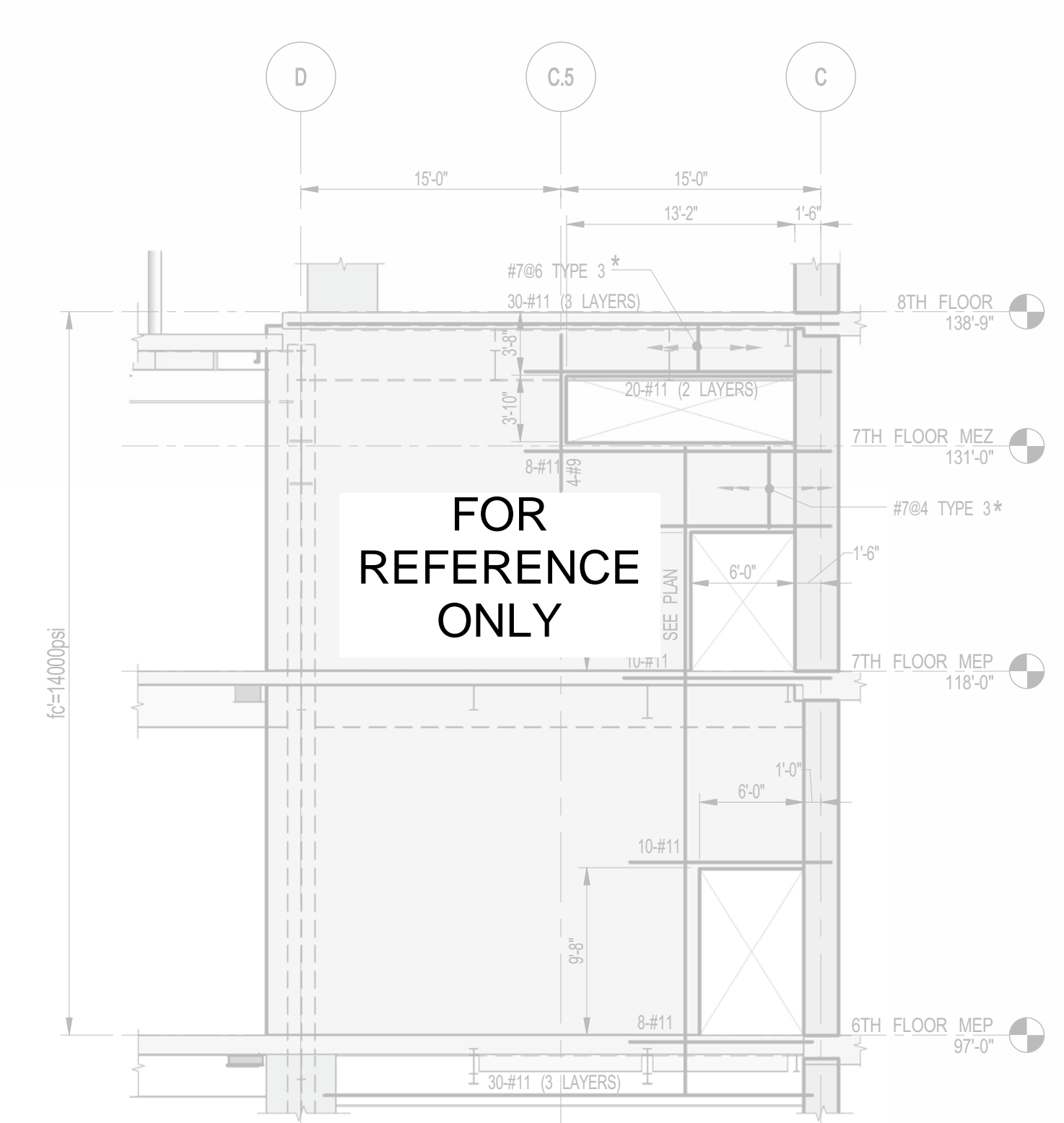
30" x 42" ARCH. SHEET SIZE



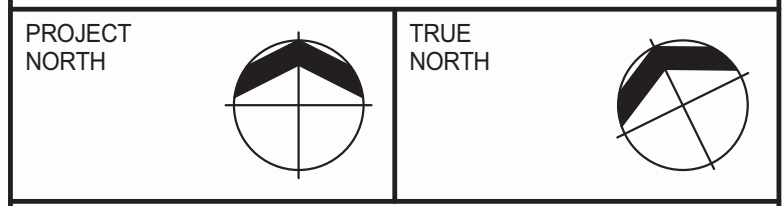
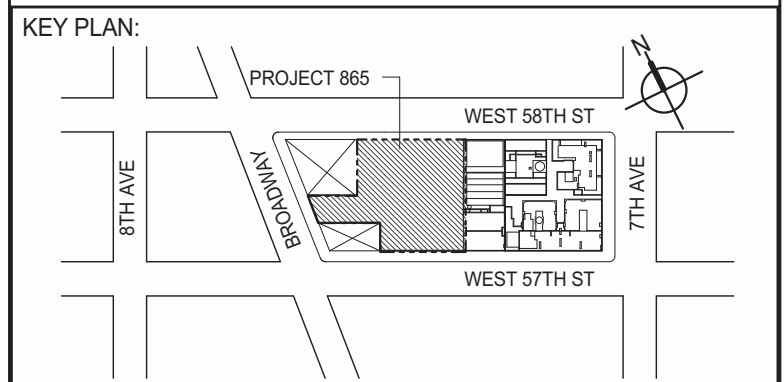
1 SHEARWALL EL. ALONG GL 5.2
S-456 SCALE: 1/8" = 1'-0"



2 SHEARWALL EL. ALONG GL 5.2
S-456 SCALE: 1/8" = 1'-0"



3 SHEARWALL EL. ALONG GL 5
S-456 SCALE: 1/8" = 1'-0"



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New York, NY 10001-2727
TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS: **Construction Consulting Associates**
100 Church Street
New York, NY 10007
TEL: 212 385 5818 FAX: 212 385 1911

CURTAINWALL CONSULTANT: **AJLP Consulting**
40 Worth Street, Suite 826
New York, NY 10013
TEL: 212 757 8659 FAX: 646 219 8508

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

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

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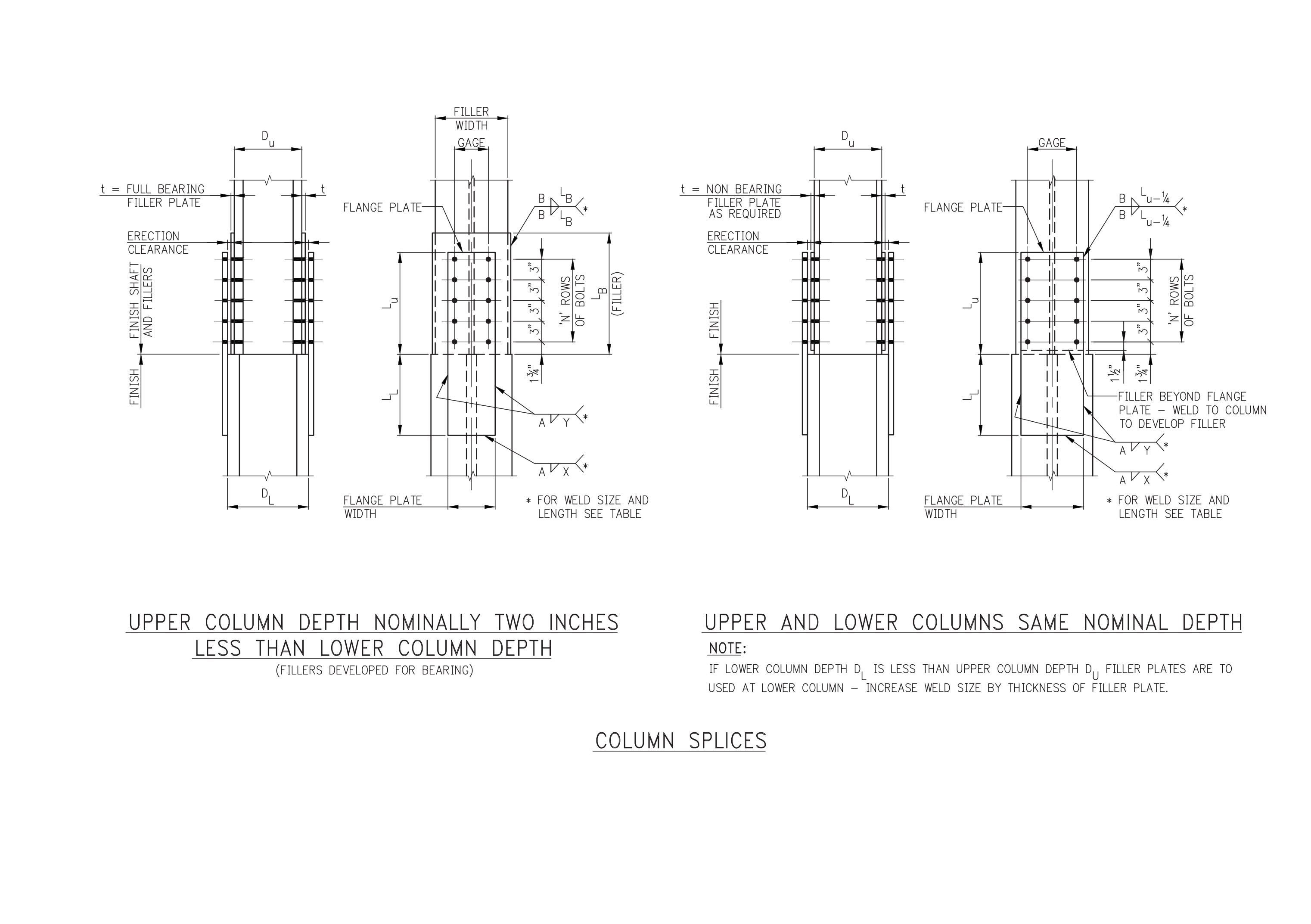
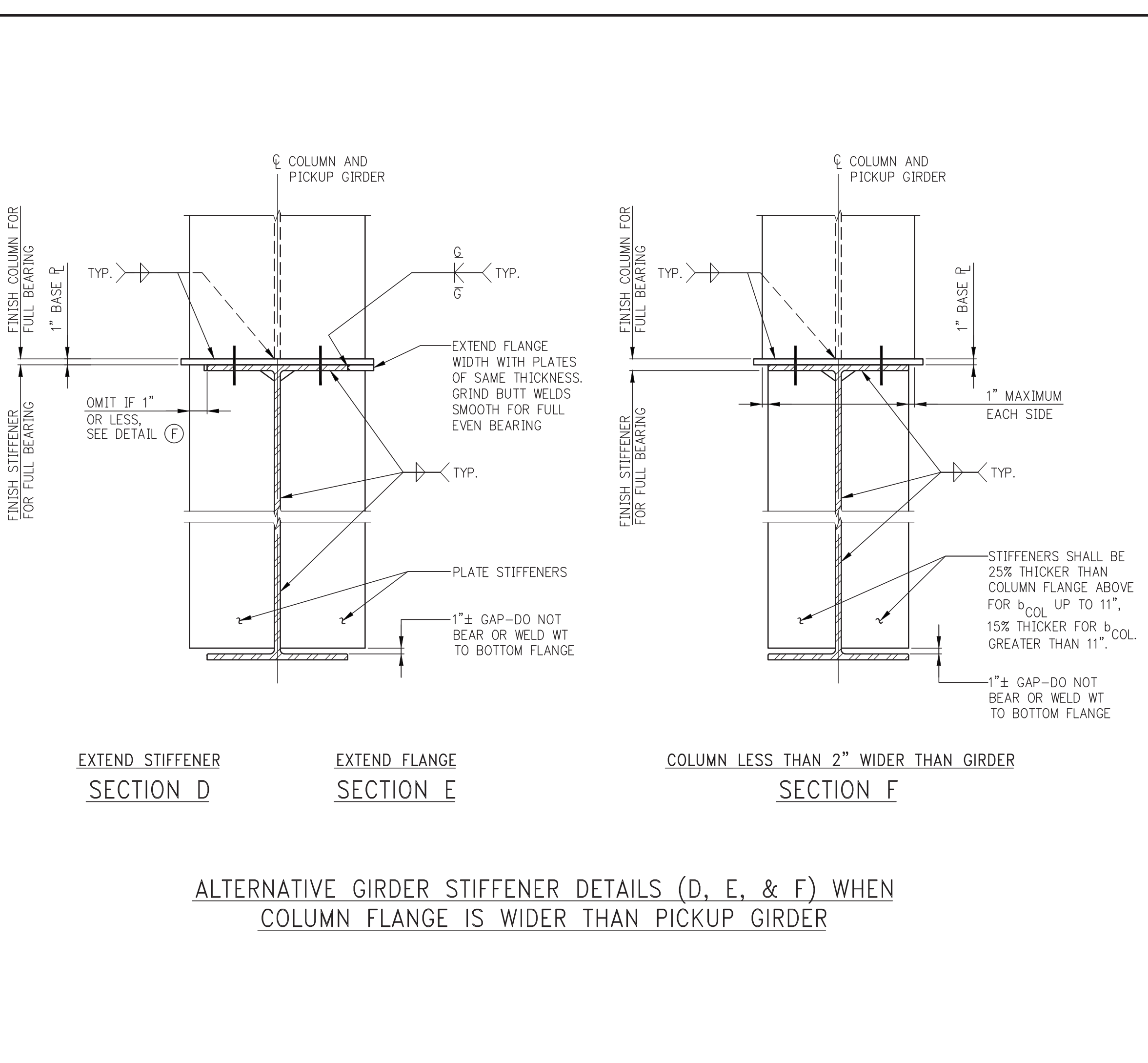
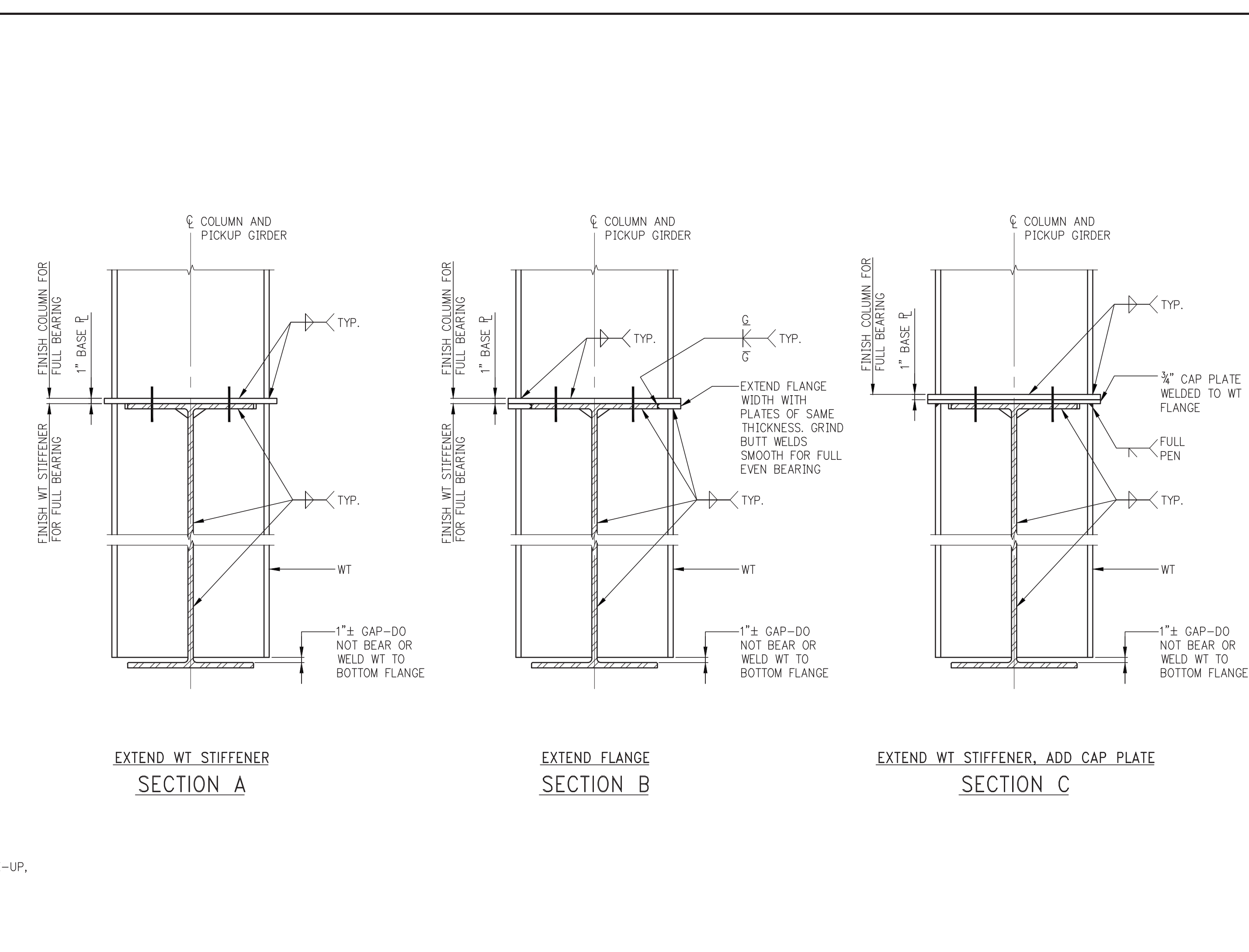
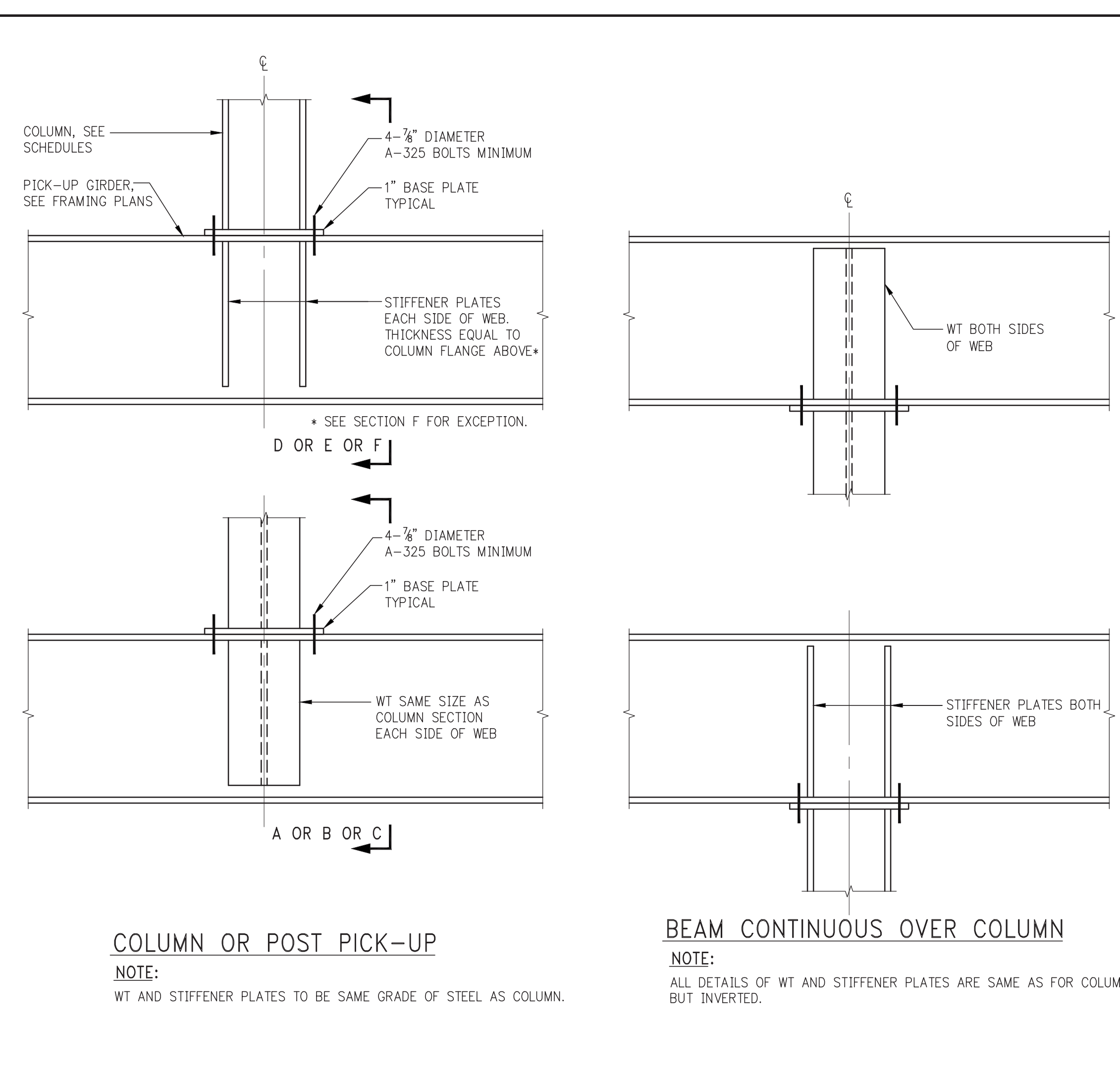
ALL DIMENSIONS ARE SHOWN IN IMPERIAL.
CONSULTANT: **WSP**
228 East 45th Street
New York, NY 10017
(212) 687-9888
www.wspgroup.com/us

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

DRAWING TITLE: **SHEARWALL ELEVATIONS ALONG GRIDLINES 5.2 & 5**

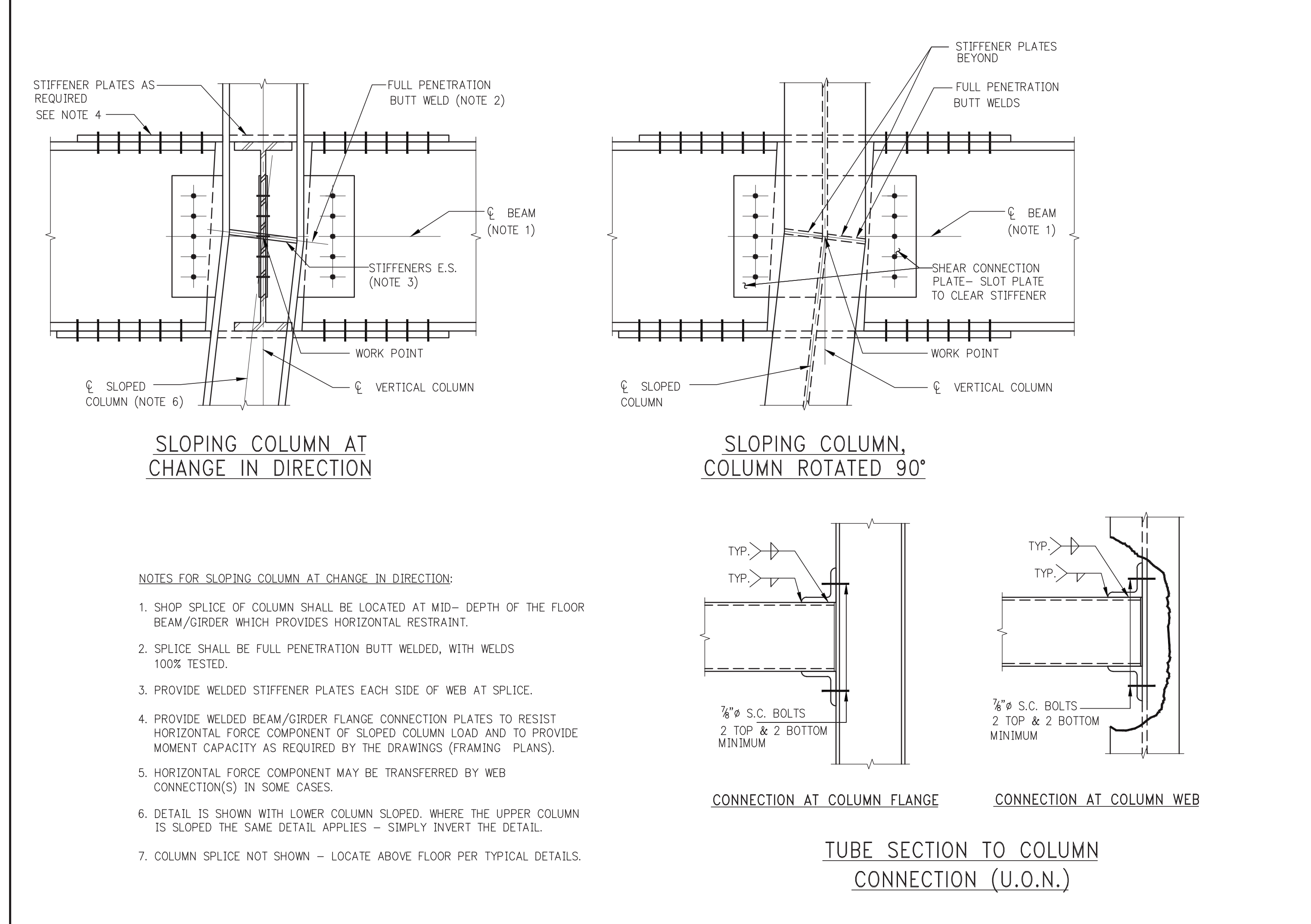
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PROJECT No: 2012185
DRAWN: CADDO REV: 7
CHK: YE
SCALE: 1/8" = 1'-0"
DWG No: **S-456.00**

DOB EMPLOYEE STAMP: [Stamp] DOB PAGE No: DOB S-SCAN:



FLANGE PLATES - MINIMUM REQUIREMENTS					
COLUMN FLANGE WIDTH	COLUMN FLANGE THICKNESS t_f	FLANGE PLATE MIN. WIDTH	MINIMUM NUMBER OF ROWS OF BOLTS	MINIMUM L_d SLIP CRITICAL (LOWER SHAFT)	MINIMUM SIZE OF FILLET WELDS
6 1/2	-	5 1/2	2	8	3/8
8	-	6 1/2	2	10	3/8
10+	-	8 1/2	2	10	3/8
12+	11x1.50"	8 1/2	3	12	3/8
14+	11x1.50"	10	4	15	3/8
15+	-	10 1/2	3	12	3/8
16+	11x2.50"	12 1/2	4	12	3/8
18+	11x2.50"	14 1/2	4	14	3/8
17+	-	14 1/2	5	16	3/8

- * (WELD "A") IF COLUMN FLANGE THICKNESS EXCEEDS 3/4", THE MINIMUM WELD SIZE SHALL BE INCREASED TO 3/8"
 - ** (WELD "B") IF EITHER THE UPPER COLUMN FLANGE OR THE FILLER PLATE THICKNESS EXCEEDS 3/4", THE MINIMUM WELD SIZE SHALL BE INCREASED TO 3/8"
- COLUMN SPLICE REQUIREMENTS:**
- INTERFACE OF UPPER AND LOWER COLUMNS SHALL DEVELOP FULL CAPACITY OF SMALLER COLUMN IN BEARING.
 - FILLER PLATES TO BE SAME GRADE OF STEEL (F_y) AS COLUMNS.
 - FILLER PLATES SHALL DEVELOP THE PORTION OF THE SMALLER COLUMN FLANGE CAPACITY LOST DUE TO NON-ALIGNMENT OF FLANGES WHERE COLUMNS ARE NOT CENTERED OR OF DIFFERENT NOMINAL DEPTH.
 - SHOP DRAWINGS SHALL REQUIRE THAT CENTER PUNCH MARKS BE PLACED ON CENTERLINES OF ALL FACES OF UPPER AND LOWER SHAFTS.
 - CONTRACTOR MAY SUBMIT A PROPOSAL TO PROVIDE ALL-WELDED COLUMN FLANGE - PLATED SPLICES OR DIRECTLY WELDED FLANGE SPLICES, FOR THE ENGINEER'S REVIEW AND APPROVAL.
 - CONTRACTOR MAY SUBMIT A PROPOSAL TO PROVIDE A BUTT PLATE IN LIEU OF BEARING FILLERS AT COLUMNS WITH A DEPTH D_U NOMINALLY TWO INCHES LESS THAN DEPTH D_L FOR THE ENGINEER'S REVIEW AND APPROVAL.



- NOTES FOR SLOPING COLUMN AT CHANGE IN DIRECTION:**
- SHOP SPLICE OF COLUMN SHALL BE LOCATED AT MID-DEPTH OF THE FLOOR BEAM/GIRDER WHICH PROVIDES HORIZONTAL RESTRAINT.
 - SPLICE SHALL BE FULL PENETRATION BUTT WELDED, WITH WELDS 100% TESTED.
 - PROVIDE WELDED STIFFENER PLATES EACH SIDE OF WEB AT SPLICE.
 - PROVIDE WELDED BEAM/GIRDER FLANGE CONNECTION PLATES TO RESIST HORIZONTAL FORCE COMPONENT OF SLOPED COLUMN LOAD AND TO PROVIDE MOMENT CAPACITY AS REQUIRED BY THE DRAWINGS (FRAMING PLANS).
 - HORIZONTAL FORCE COMPONENT MAY BE TRANSFERRED BY WEB CONNECTION(S) IN SOME CASES.
 - DETAIL IS SHOWN WITH LOWER COLUMN SLOPED, WHERE THE UPPER COLUMN IS SLOPED THE SAME DETAIL APPLIES - SIMPLY INVERT THE DETAIL.
 - COLUMN SPLICE NOT SHOWN - LOCATE ABOVE FLOOR PER TYPICAL DETAILS.

KEY PLAN

PROJECT NORTH

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

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

INTERIOR DESIGNER: Residential
Rotter Architecture and Design Studio, PLLC
288 Fifth Ave, 7th Floor
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MEP ENGINEERS: **AKF GROUP**
1501 Broadway
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CODE CONSULTANTS: **Construction Consulting Associates**
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CURTAINWALL CONSULTANT: **AJLP Consulting**
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LANDMARK/PRESERVATION CONSULTANT: **Jan Hird Pokorny Associates, Inc.**
39 West 37th Street, 12A
New York, NY 10018
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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	STEEL BID PACKAGE	05-22-2014
4	DESIGN DEVELOPMENT	07-01-2014
5	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
6	STRUCTURAL STEEL BID	09-15-2014
7	CD PROGRESS ISSUE 1	10-15-2014
8	ISSUED FOR CONSTRUCTION UP TO 5TH FL ONLY	11-07-2014
9	DOB SUBMISSION	12-19-2014
10	DOB SUBMISSION	02-05-2015

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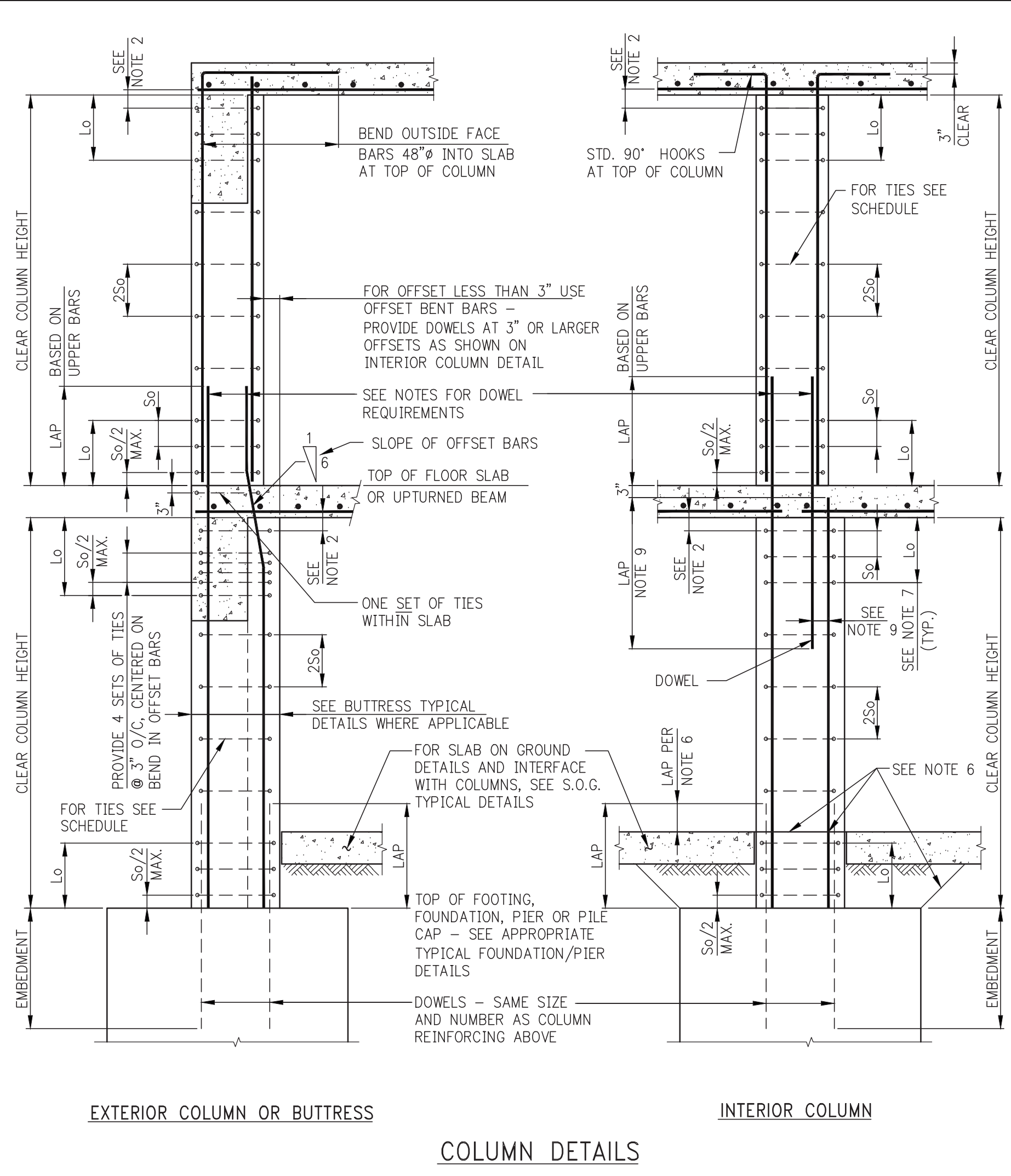
CONSULTANT: **WSP**
228 East 45th Street
New York, NY 10017
(212) 687-9888
www.wspgroup.com/usa

PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE: TYPICAL STEEL COLUMN DETAILS

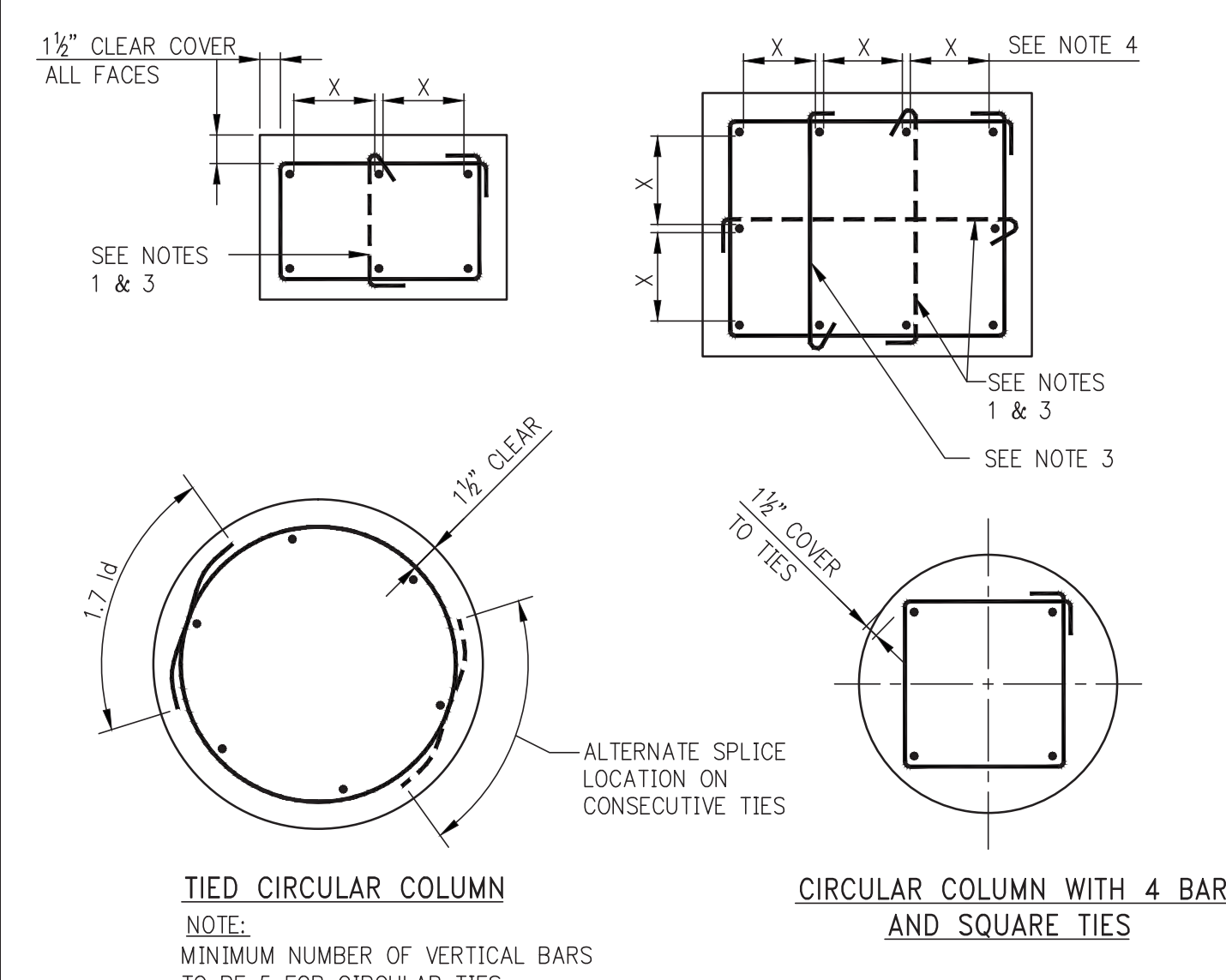
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PROJECT No: 2012185

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DATE: 03/31/14
PROJECT No: 2012185
DRAWN: CADD
CHK: Y.E.
SCALE: AS INDICATED
DWG No: S-501.00
DOB EMPLOYEE No: of
DOB EMPLOYEE No: of



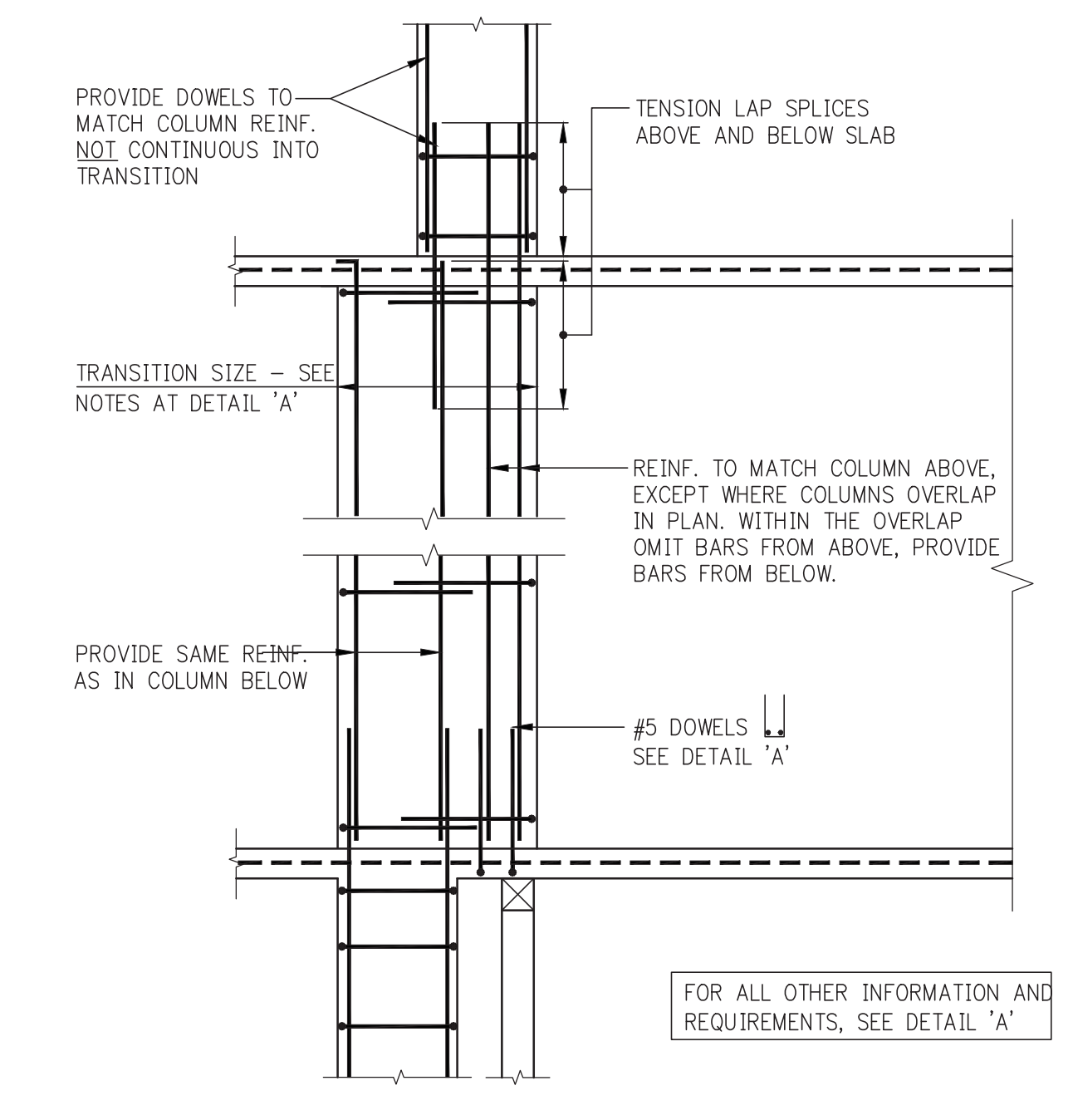
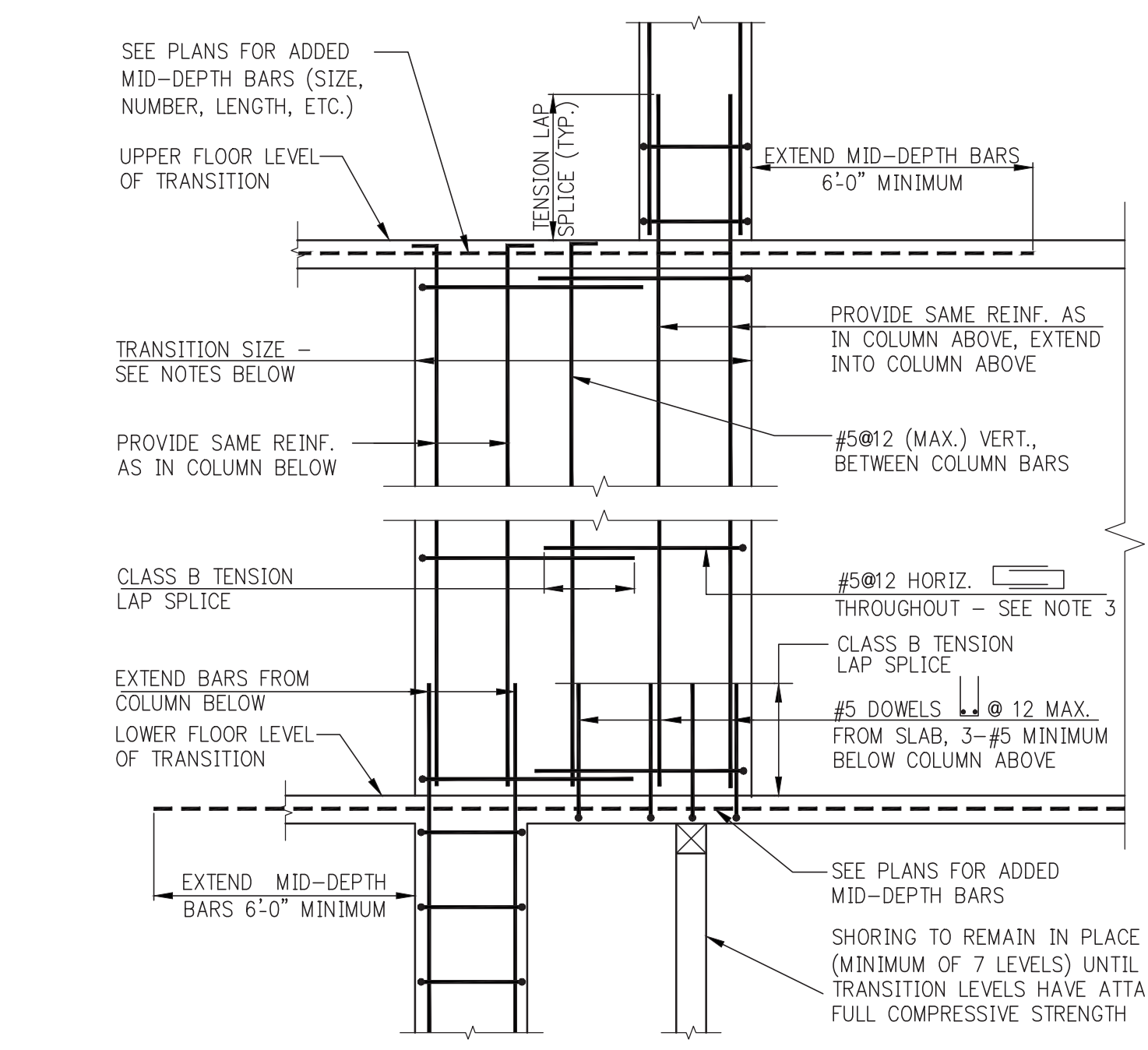
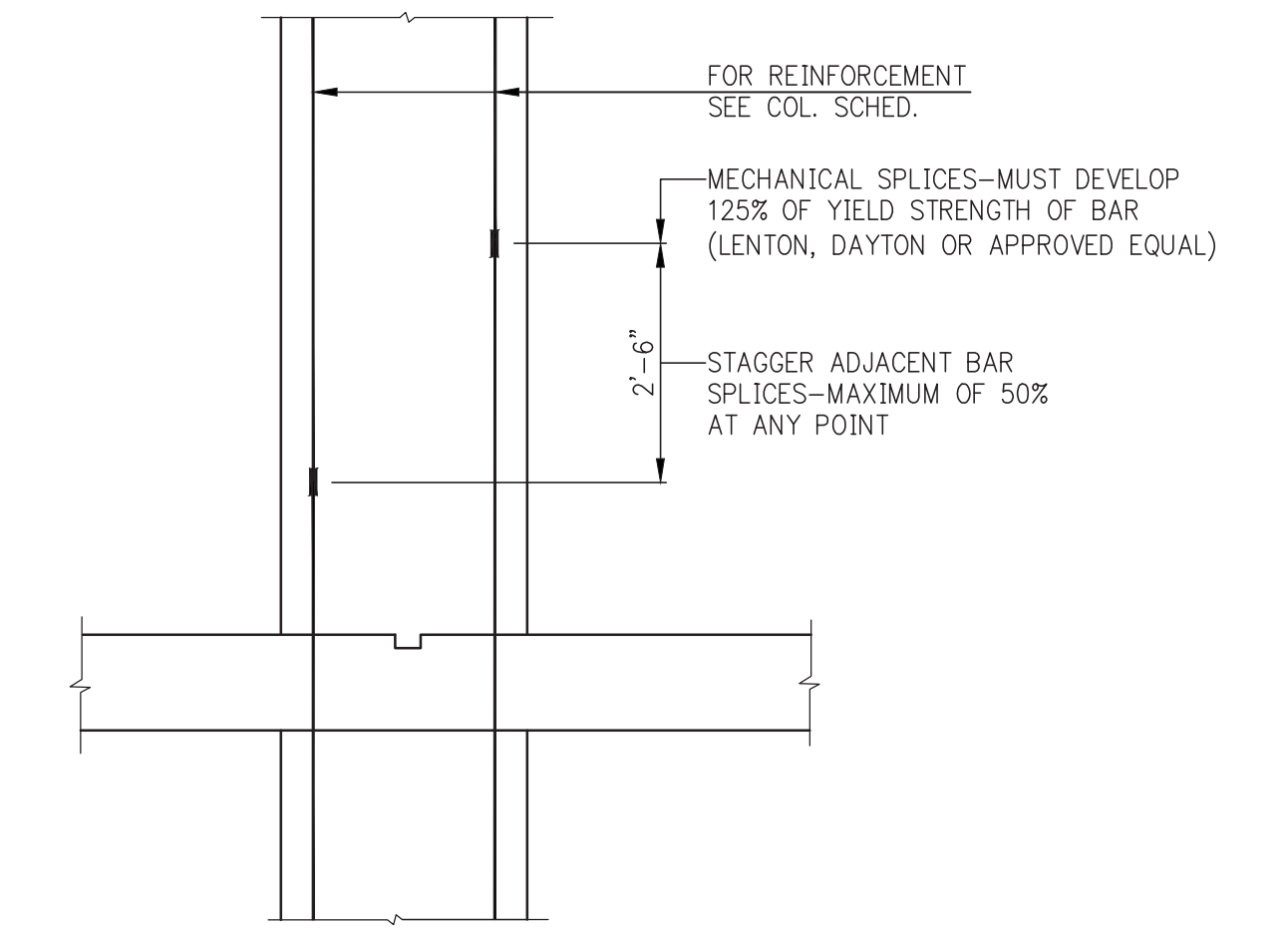
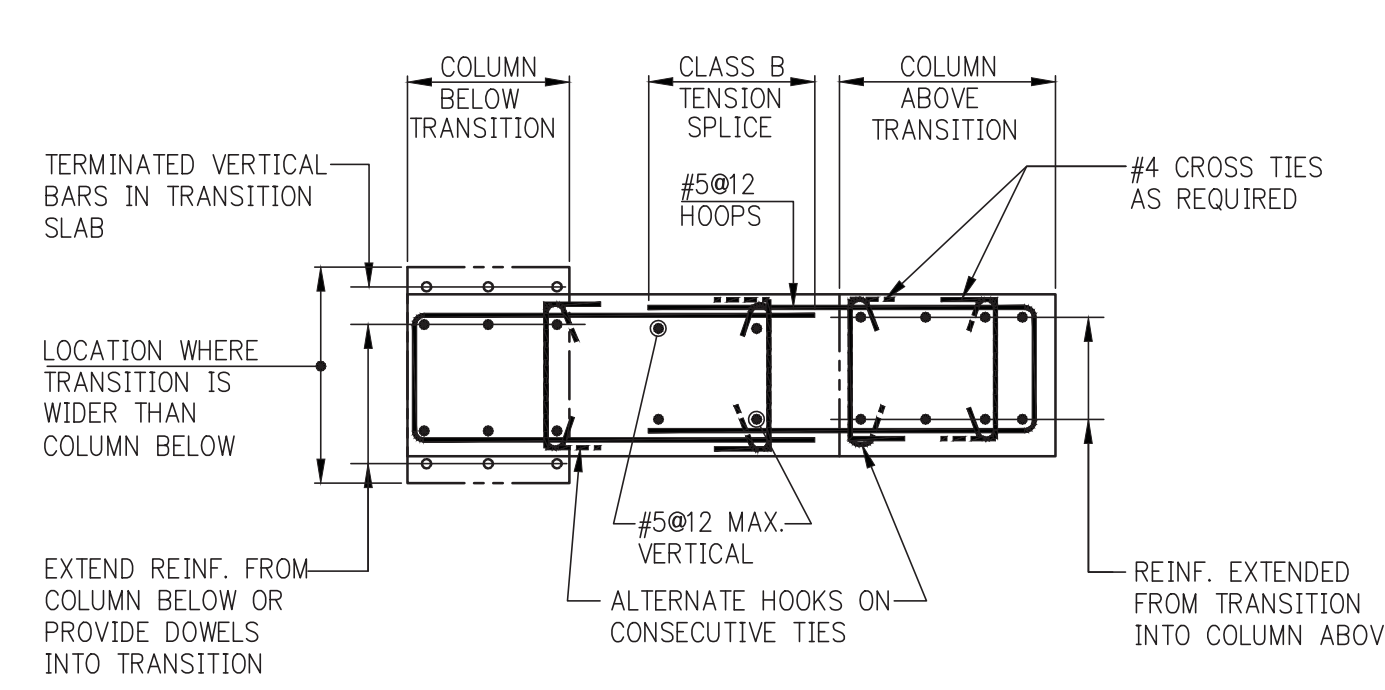
VERTICAL BAR SIZE	#3	#4	#5
#5	5	-	-
#6	6	-	-
#7	7	-	-
#8	8	8	-
#9	9	9	-
#10	9	10	-
#11	-	11	11
#14	-	12	12
#18	-	12	12

- NOTES:**
- #3 TIES NOT PERMITTED FOR #11, #14, #18 OR BUNDLED VERTICAL BARS.
 - LOCATE TOP SET OF TIES $S_0/2$ MAXIMUM BELOW THE LOWEST HORIZONTAL REINFORCEMENT IN SLAB OR DROP PANEL. WHERE BEAMS FRAME FROM FOUR DIRECTIONS INTO COLUMN, TIES MAY TERMINATE NOT MORE THAN 3" BELOW LOWEST REINFORCEMENT IN SHALLOWEST OF SUCH BEAMS.
 - WHERE AREA OF VERTICAL REINFORCEMENT IN LOWER COLUMN IS GREATER THAN THAT OF UPPER COLUMN, EXTEND AREA OF REINFORCEMENT AT LEAST EQUAL TO THAT OF UPPER COLUMN.
 - WHERE AREA OF REINFORCEMENT IN LOWER COLUMN IS LESS THAN THAT OF UPPER COLUMN, PROVIDE ADDITIONAL DOWELS TO MAKE UP THE DIFFERENCE.
 - ALL LAP SPLICES AND EMBEDMENTS TO BE TENSION SPLICE UNLESS OTHERWISE NOTED IN COLUMN SCHEDULE.
 - WHERE SLAB IS POURED OVER FOUNDATION PRIOR TO COLUMN, VERTICAL REINFORCEMENT AND DOWEL LAP TO START AT TOP OF SLAB.
 - LENGTH "L" SHALL NOT BE LESS THAN 1/8 OF CLEAR HEIGHT OF COLUMN, MAXIMUM COLUMN DIMENSION, OR 18".
 - IF COLUMN REQUIRES SHEAR REINFORCEMENT, MAXIMUM SPACING OF TIES SHALL BE LIMITED TO $d/2$, REQUIRED SIZE, NUMBER AND SPACING OF TIES MAY BE MORE STRINGENT THAN SHOWN IN TYPICAL DETAILS.
 - IF OFFSET OF DOWEL IS MORE THAN 6", LAP SHALL BE TWICE THE COMPRESSION DEVELOPMENT LENGTH OF THE SMALLER BAR.

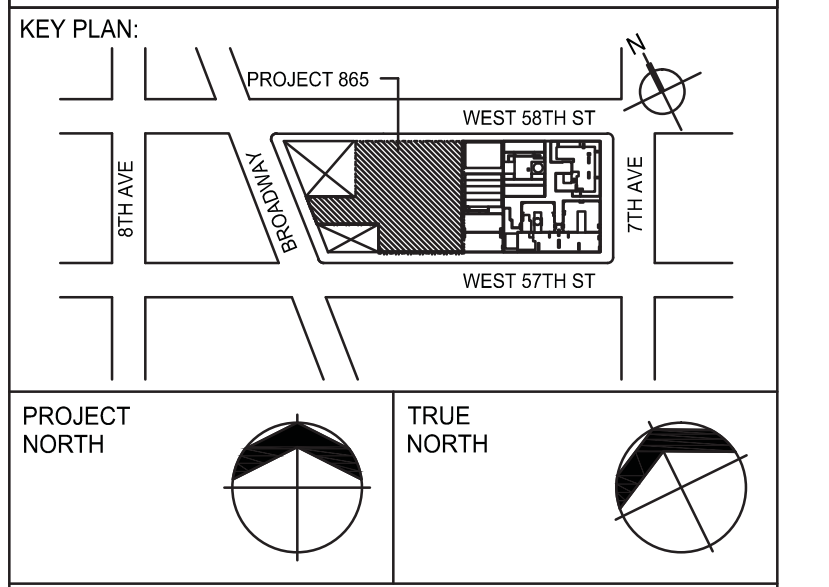


COLUMN REINFORCEMENT AND TIES ARRANGEMENT

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



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



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CHICAGO, IL 60603
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INTERIOR DESIGNER: Residential
Rotter Architecture and Design Studio, PLLC
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New York, NY 10001
TEL: 646 988 7000 FAX:

ARCHITECT OF RECORD: Base Building Shell, Core & Residential
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LANDMARK/PRESERVATION CONSULTANT: Jan Hird Pokorny Associates, Inc.
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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	FOUNDATION BID PACKAGE	03-31-2014
3	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
4	FOUNDATION BID PACKAGE	04-04-2014
5	STEEL BID PACKAGE	05-22-2014
6	SUPERSTRUCTURE CONCRETE BID	06-02-2014
7	DESIGN DEVELOPMENT	07-01-2014
8	ISSUED FOR DESIGN DEVELOPMENT	07-01-2014
9	SE ZONE STEEL BID	08-20-2014
10	CD PROGRESS ISSUE 1	10-18-2014
11	DOB SUBMISSION	12-19-2014
12	DOB SUBMISSION	02-05-2015

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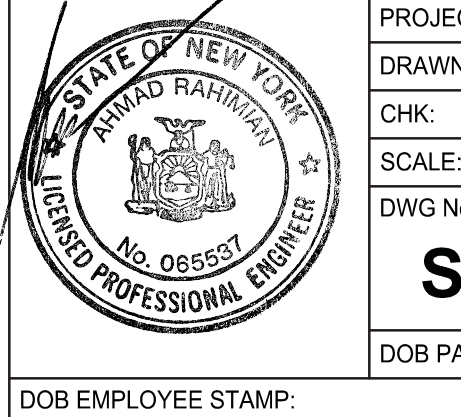
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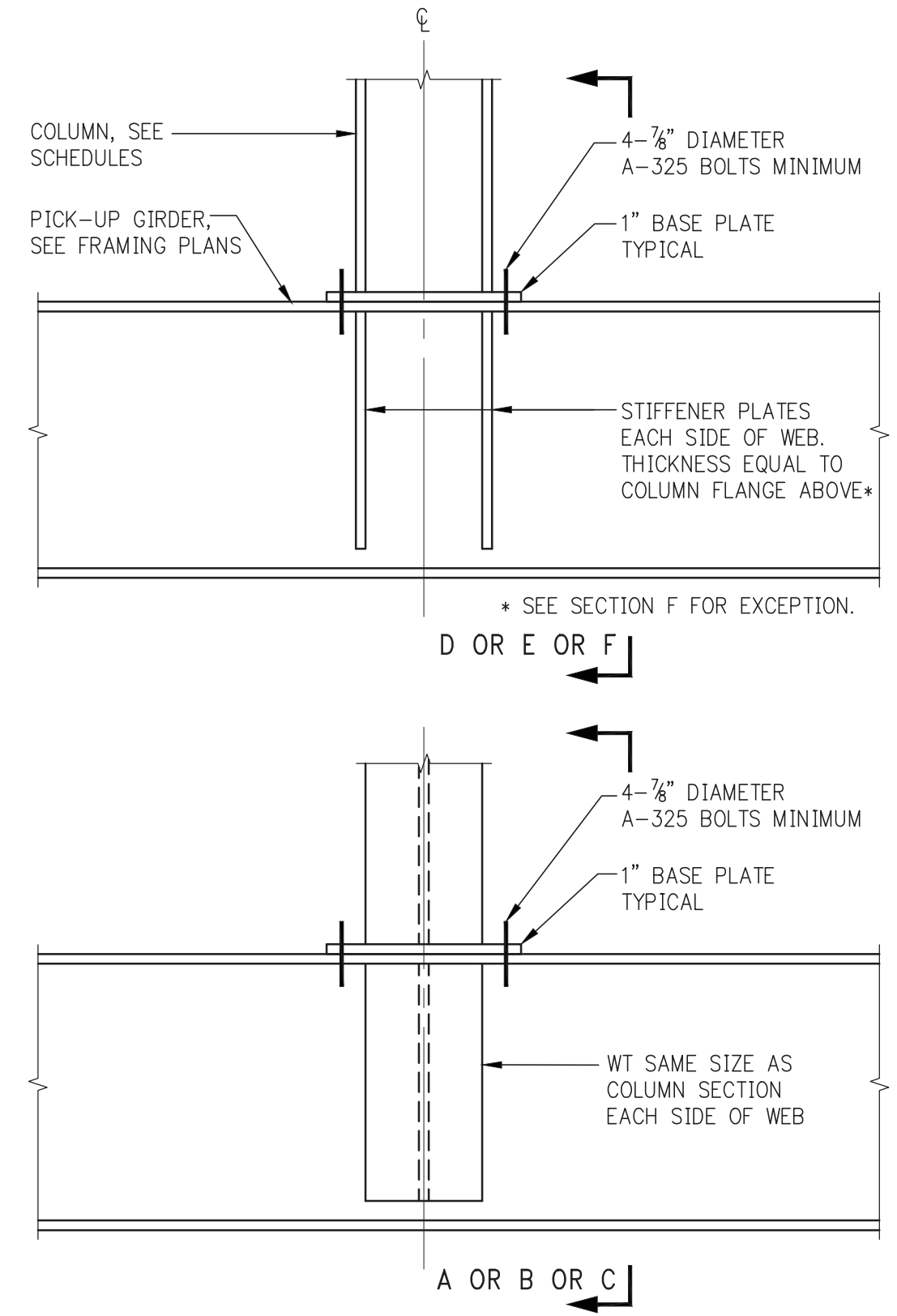
PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE: TYPICAL CONCRETE COLUMNS DETAILS 1

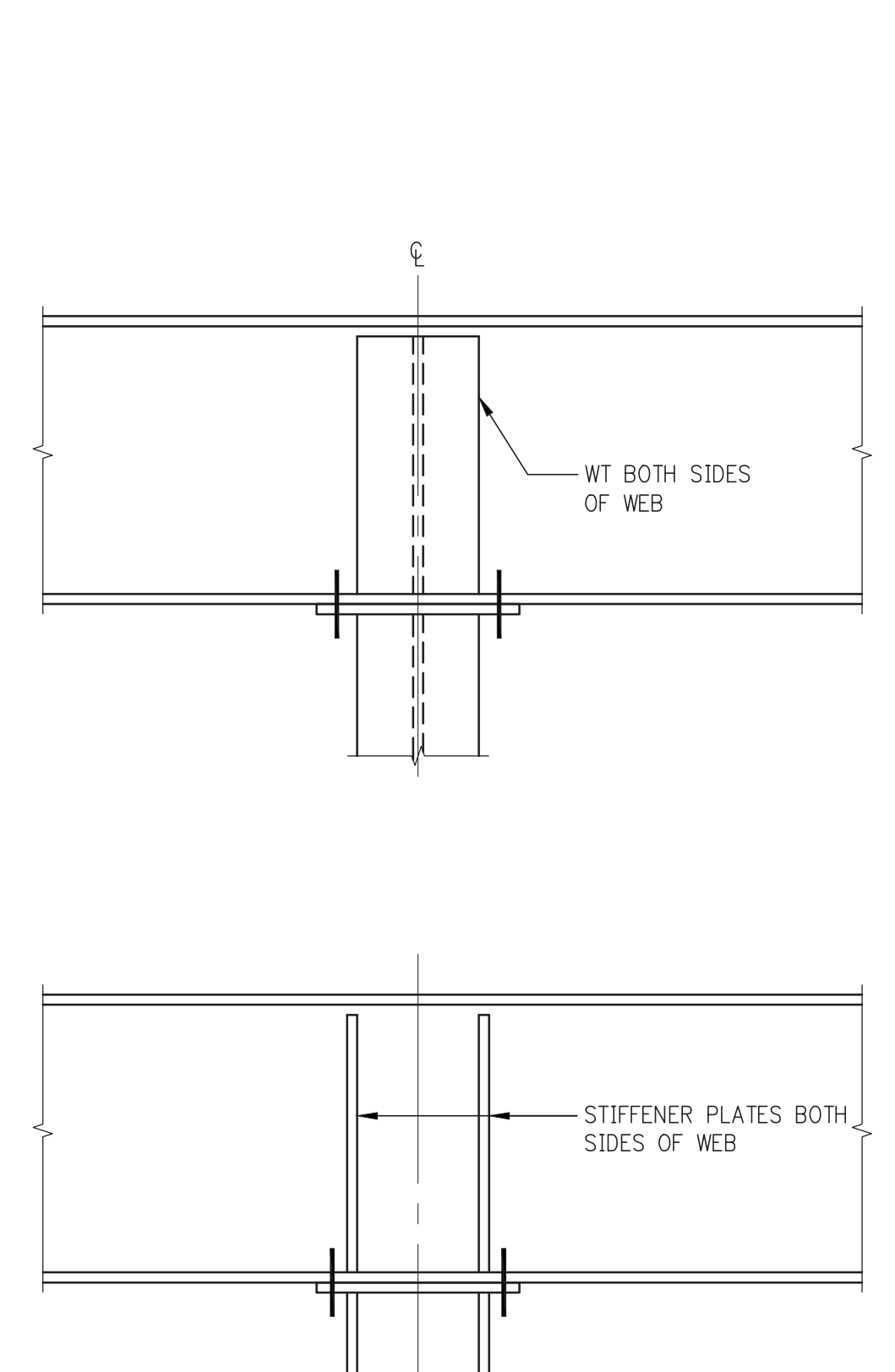
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PROJECT No:	2012185
DRAWN:	CADD
CHK:	Y.E.
SCALE:	AS INDICATED
DWG No:	S-513.00
DOB Employee Stamp:	
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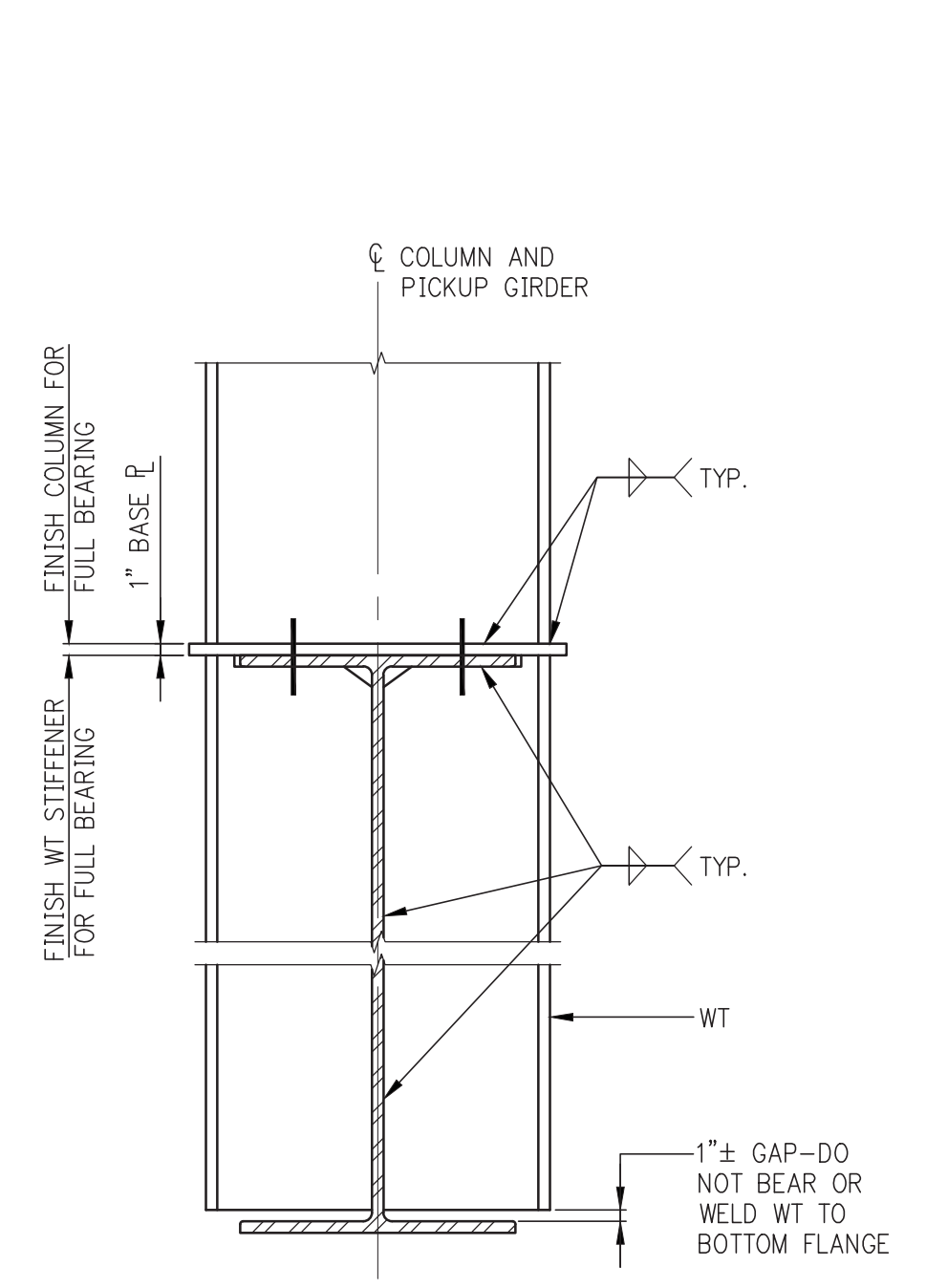
WSP 4514-100-01 SHEET SIZE



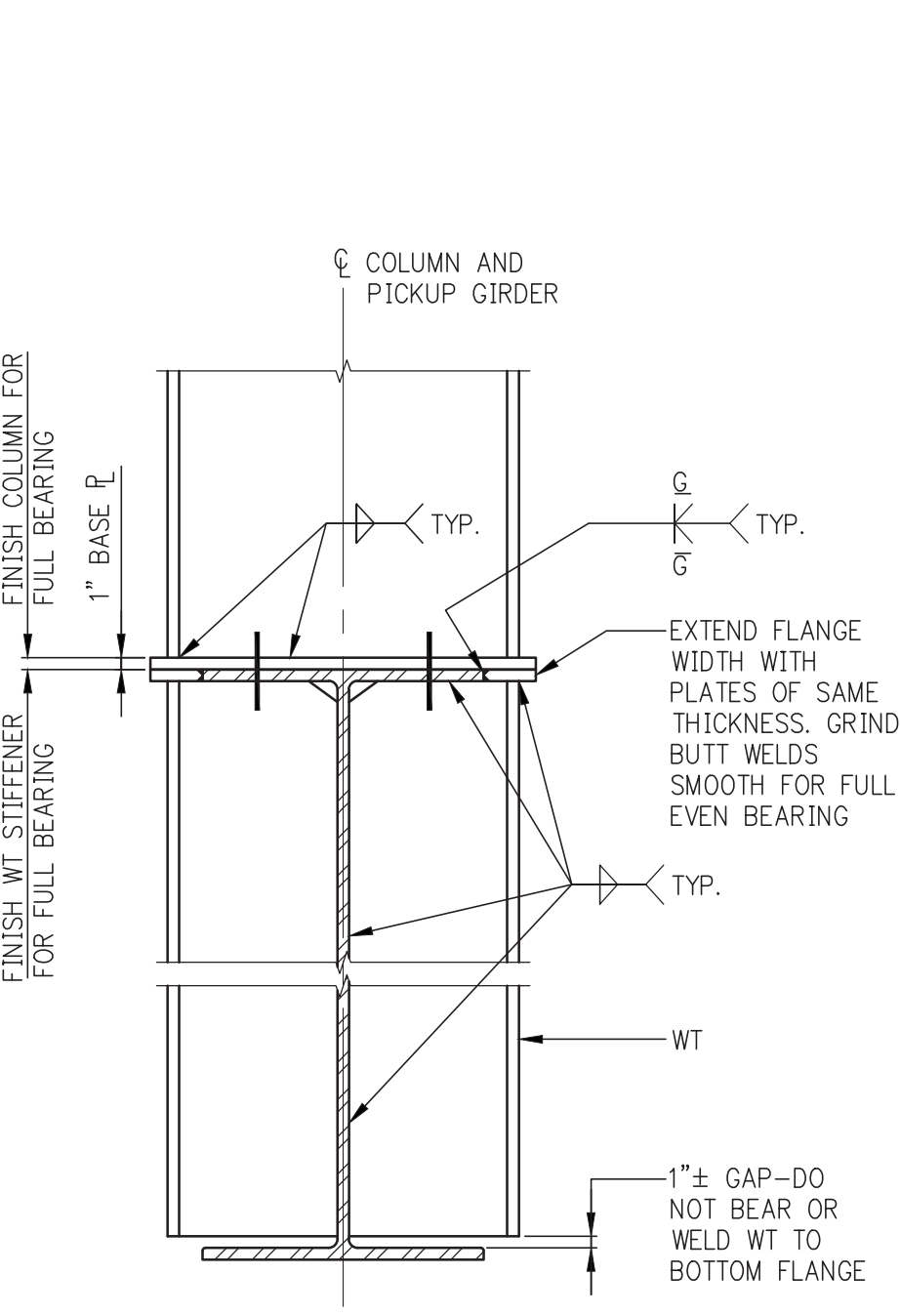
COLUMN OR POST PICK-UP
NOTE: WT AND STIFFENER PLATES TO BE SAME GRADE OF STEEL AS COLUMN.



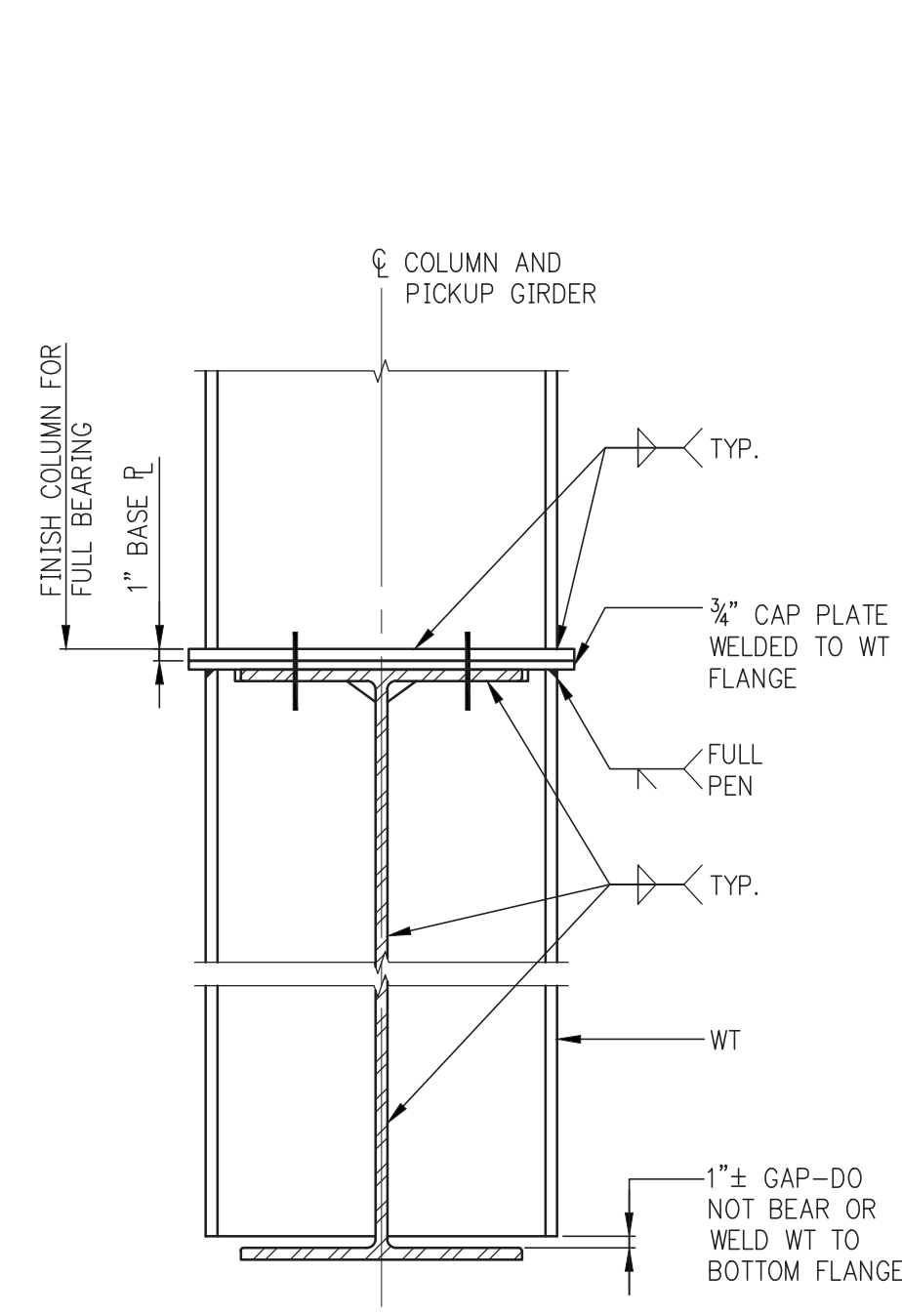
BEAM CONTINUOUS OVER COLUMN
NOTE: ALL DETAILS OF WT AND STIFFENER PLATES ARE SAME AS FOR COLUMN PICK-UP, BUT INVERTED.



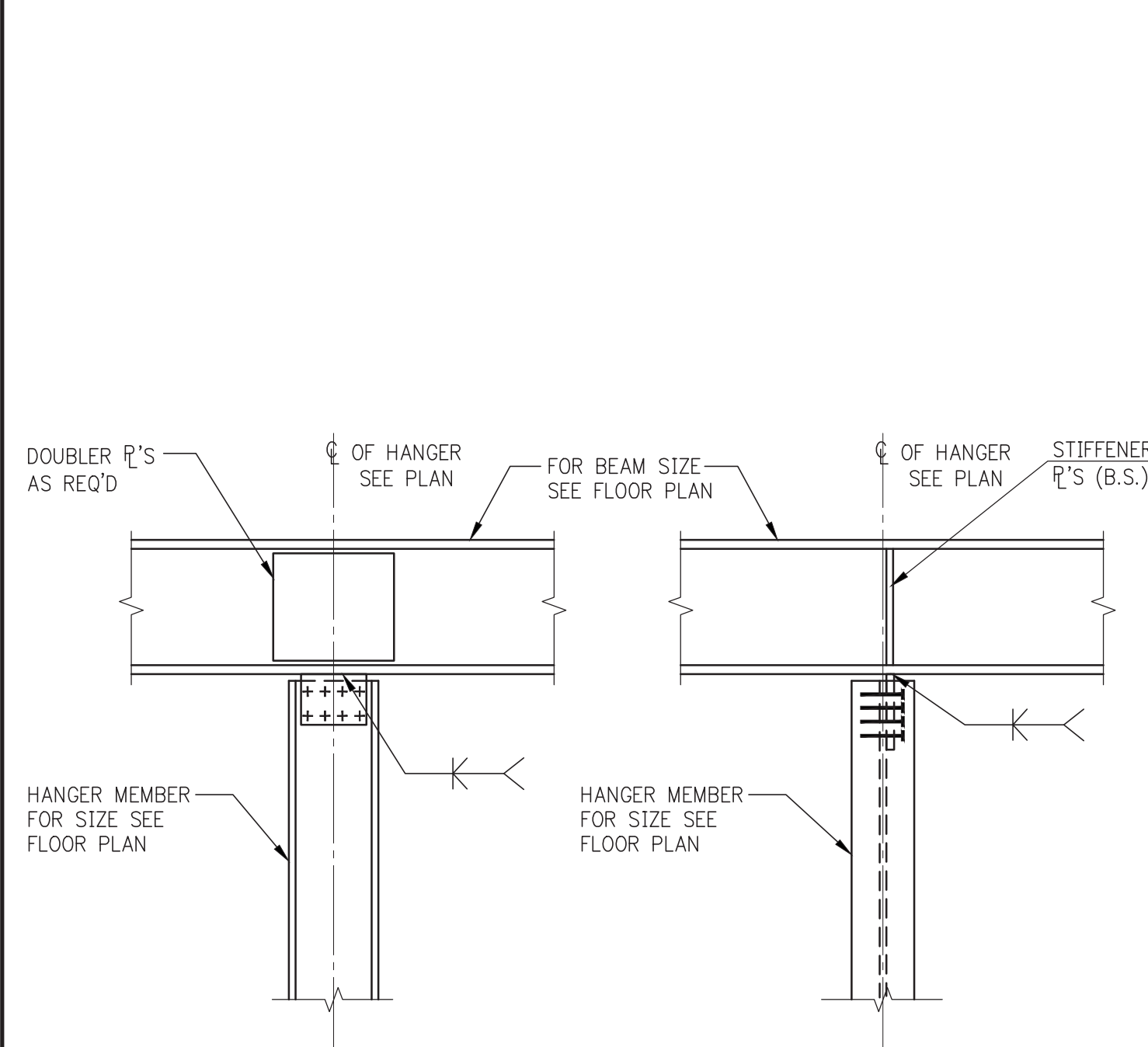
EXTEND WT STIFFENER SECTION A



EXTEND FLANGE SECTION B

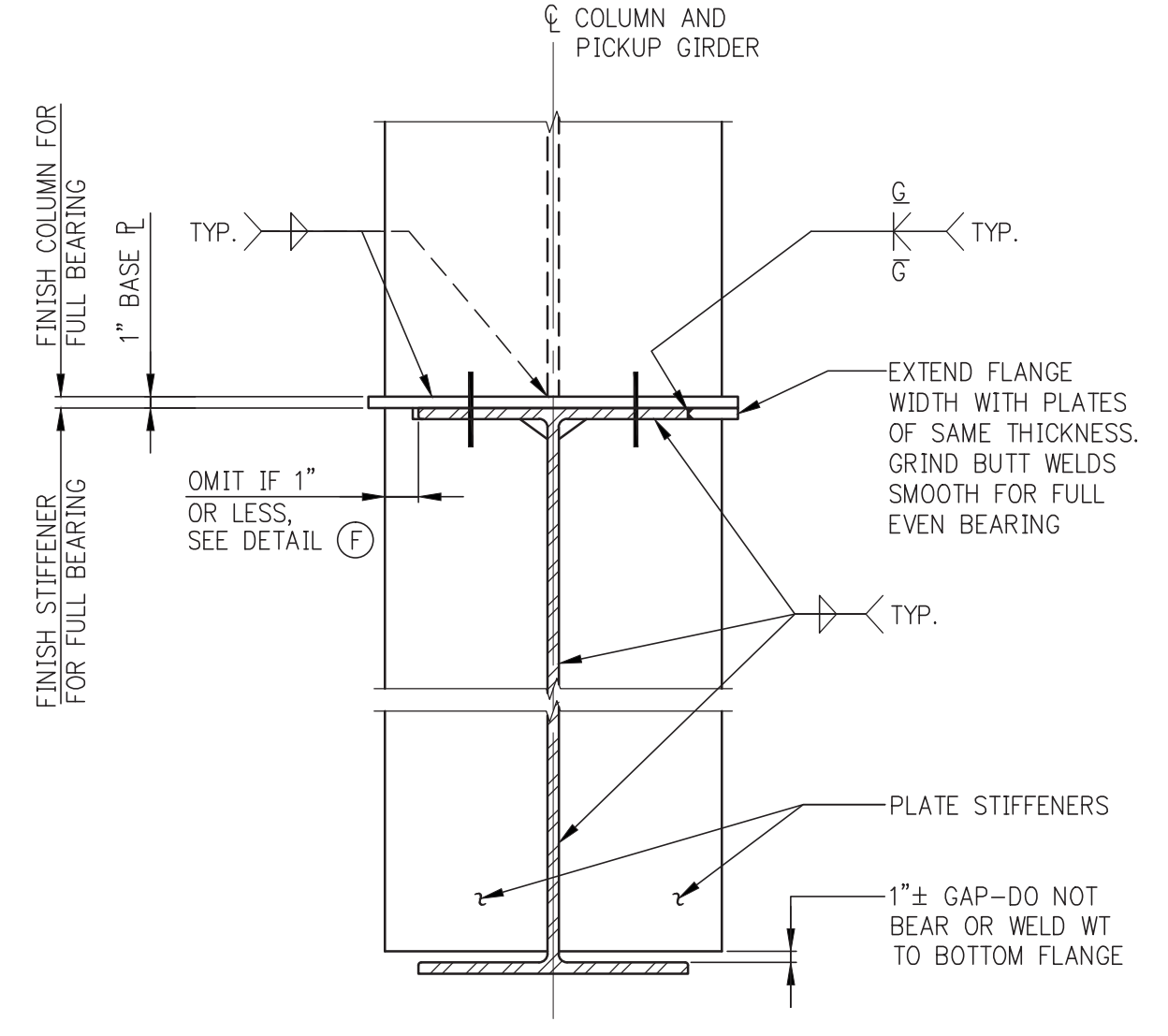


EXTEND WT STIFFENER, ADD CAP PLATE SECTION C

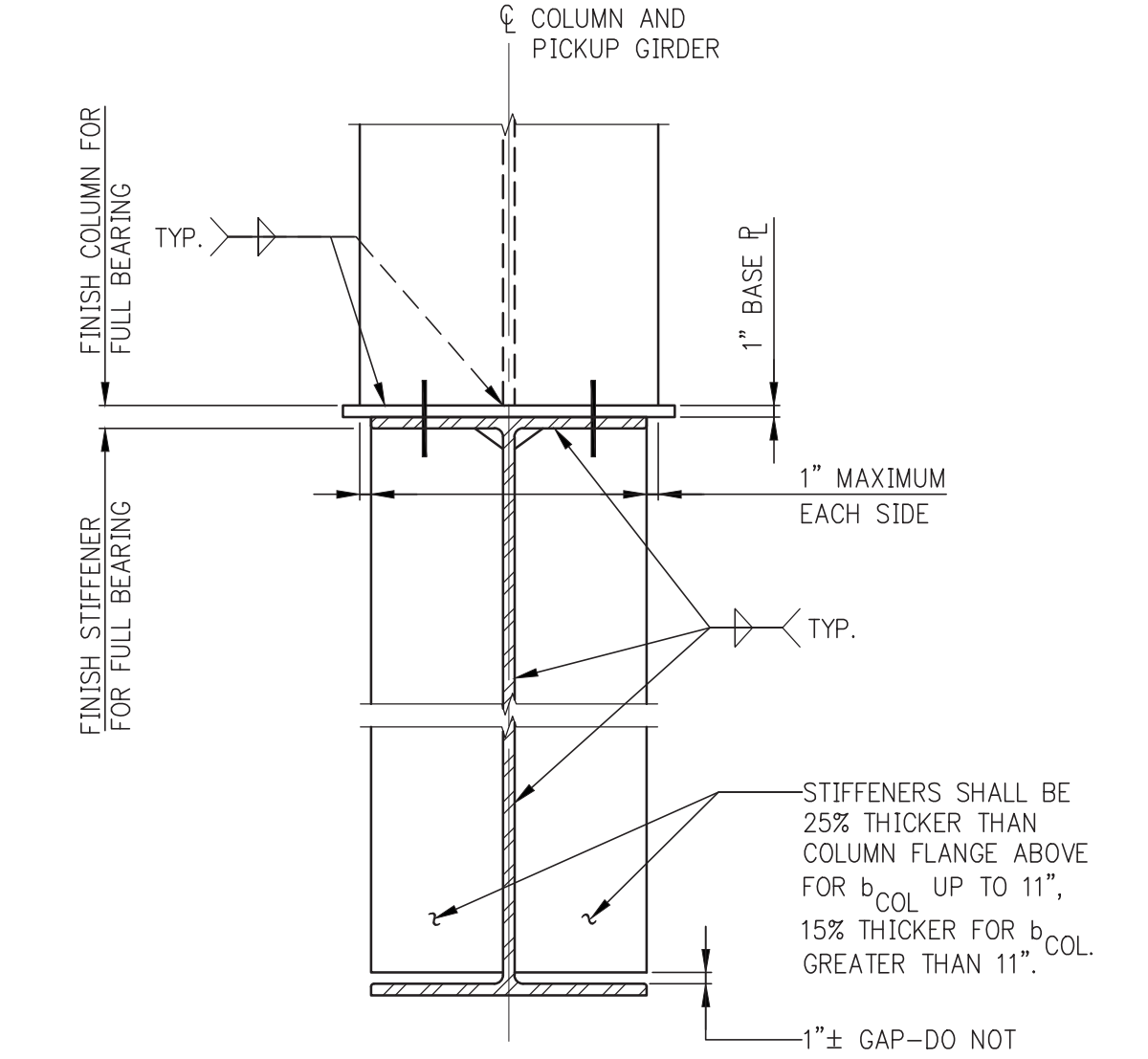


TYP. HANGER CONN. DET.

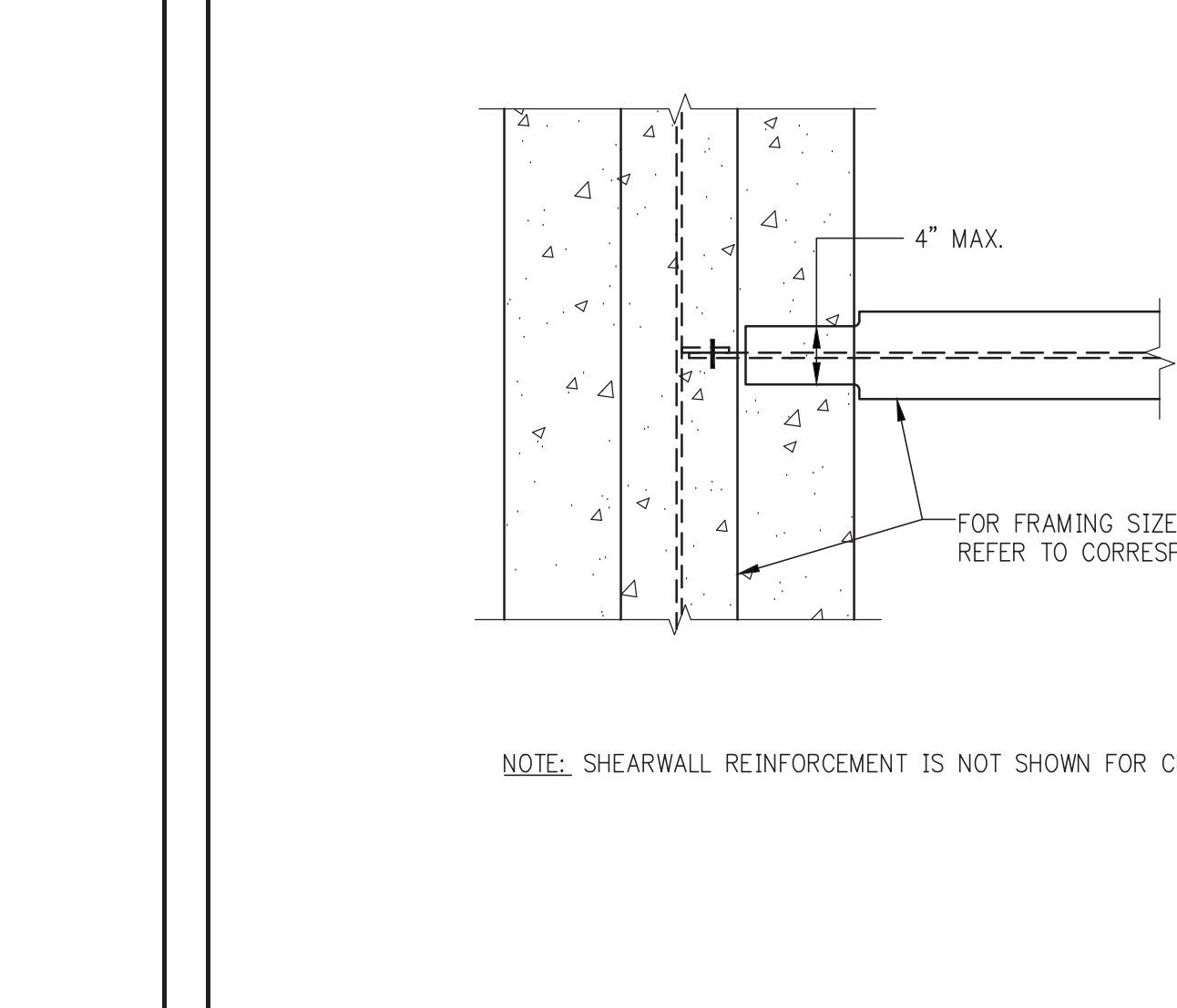
NOTE:
1. HANGER CONNECTION SHALL DEVELOP A TENSION LOAD THAT IS 1.5X THE SUM OF THE SHEAR LOAD REACTIONS OF THE SUPPORTED MEMBERS U.O.N.



EXTEND STIFFENER SECTION D

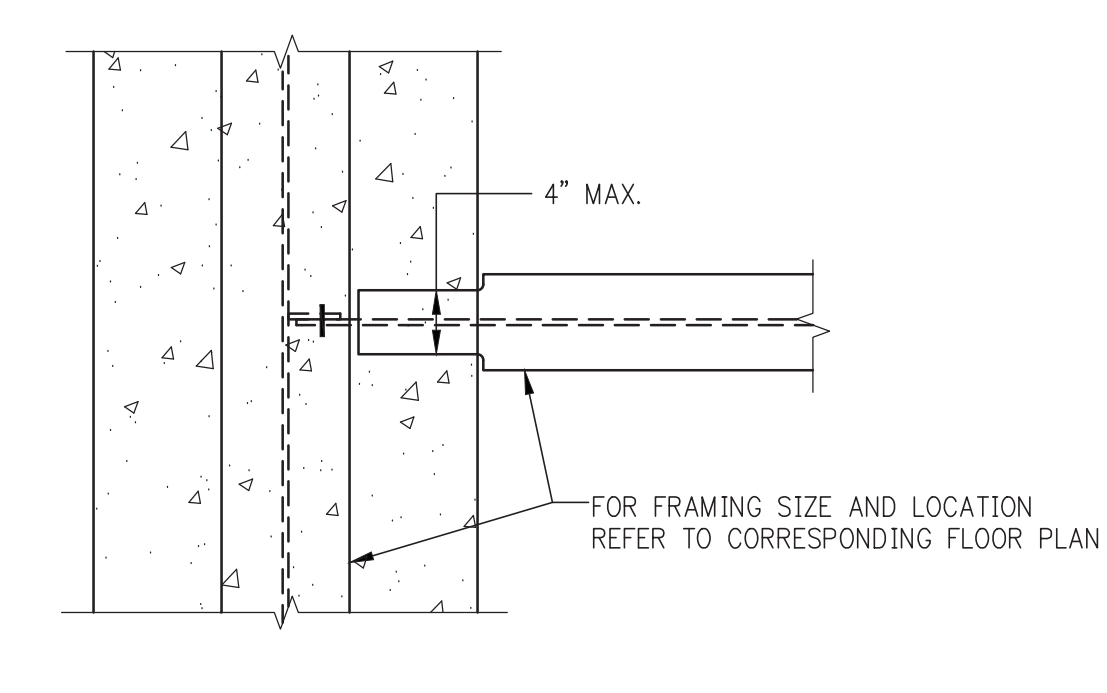


EXTEND FLANGE SECTION E



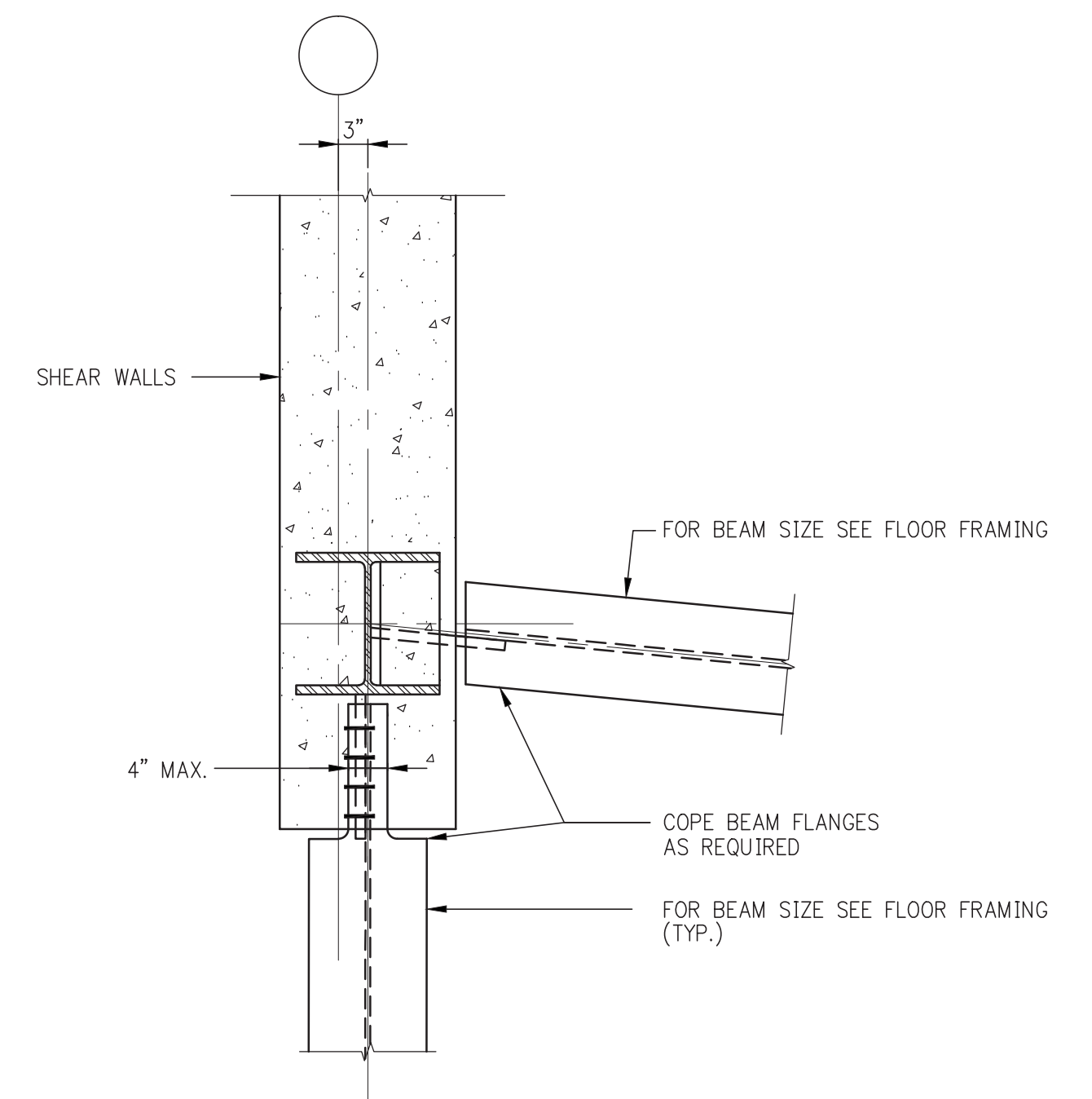
COLUMN LESS THAN 2" WIDER THAN GIRDER SECTION F

ALTERNATIVE GIRDER STIFFENER DETAILS (D, E, & F) WHEN COLUMN FLANGE IS WIDER THAN PICKUP GIRDER



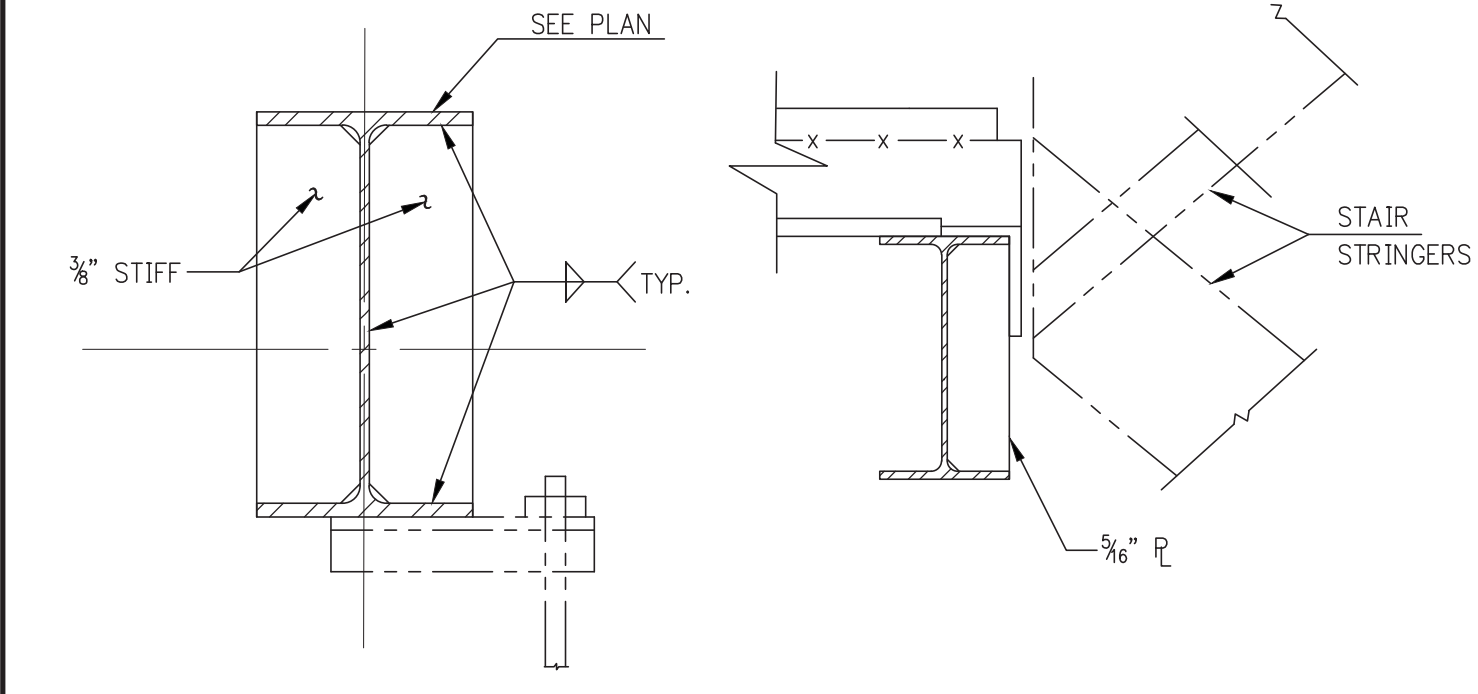
NOTE: SHEARWALL REINFORCEMENT IS NOT SHOWN FOR CLARITY

TYPICAL DETAIL WHERE FLOOR FRAMING IS CROSSING CONCRETE WALLS



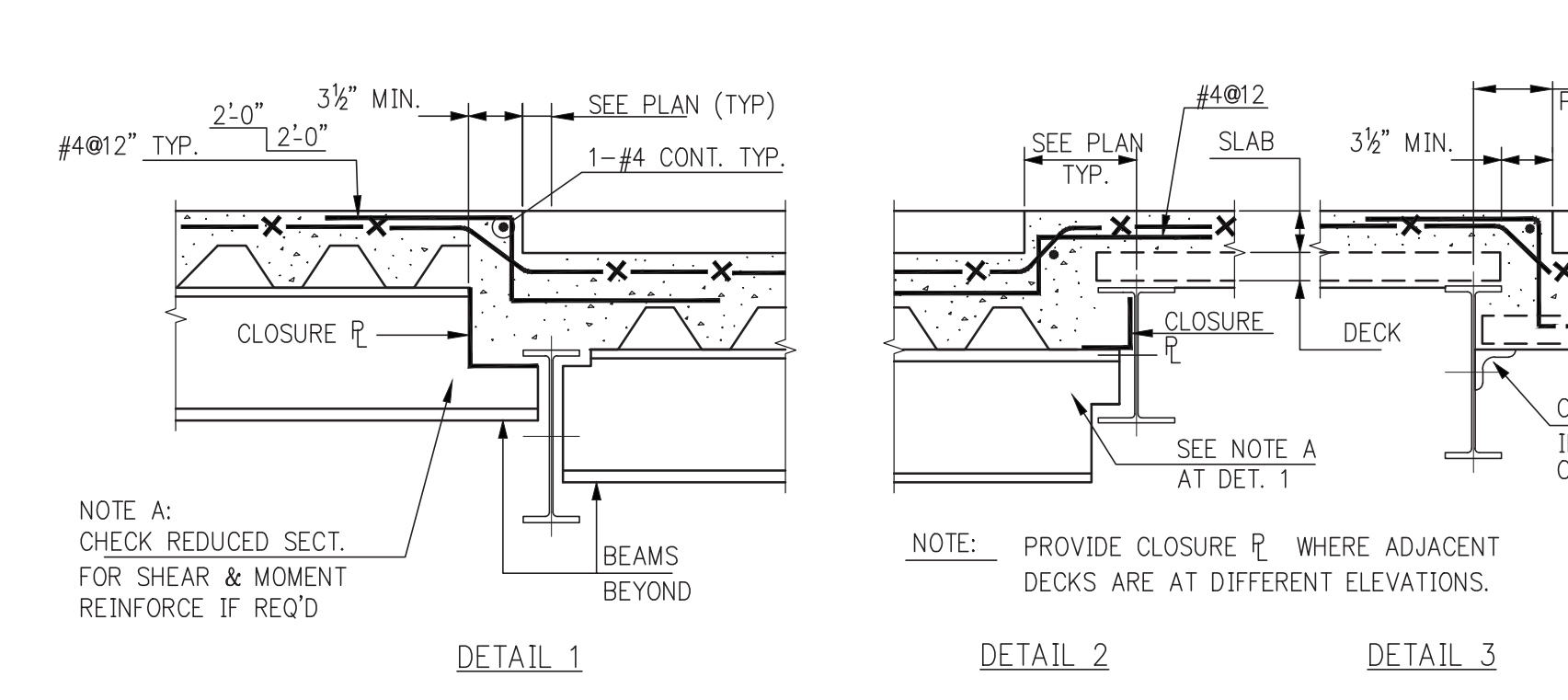
TYP. DETAIL OF STEEL BEAMS FRAMING INTO SHEAR WALL
SCALE: 3/4"=1'-0"

NOTES:
1) SHEAR WALL REINF. IS NOT SHOWN FOR CLARITY.
2) FLOOR SLAB AND REINF. ARE NOT SHOWN FOR CLARITY.

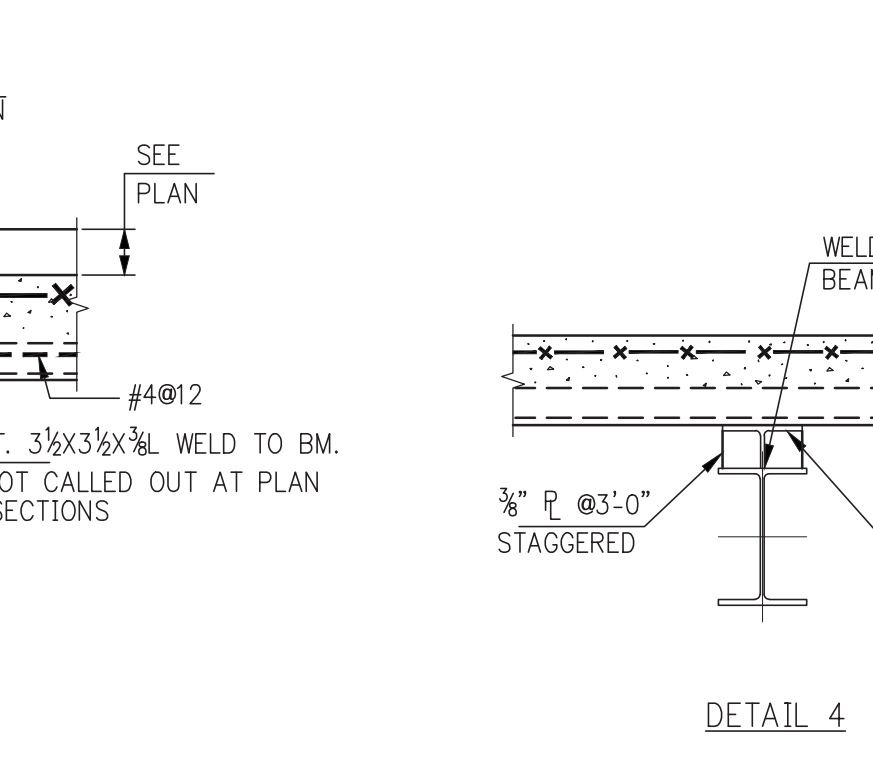


a) AT STEEL STAIR b) AT STAIR STRINGERS

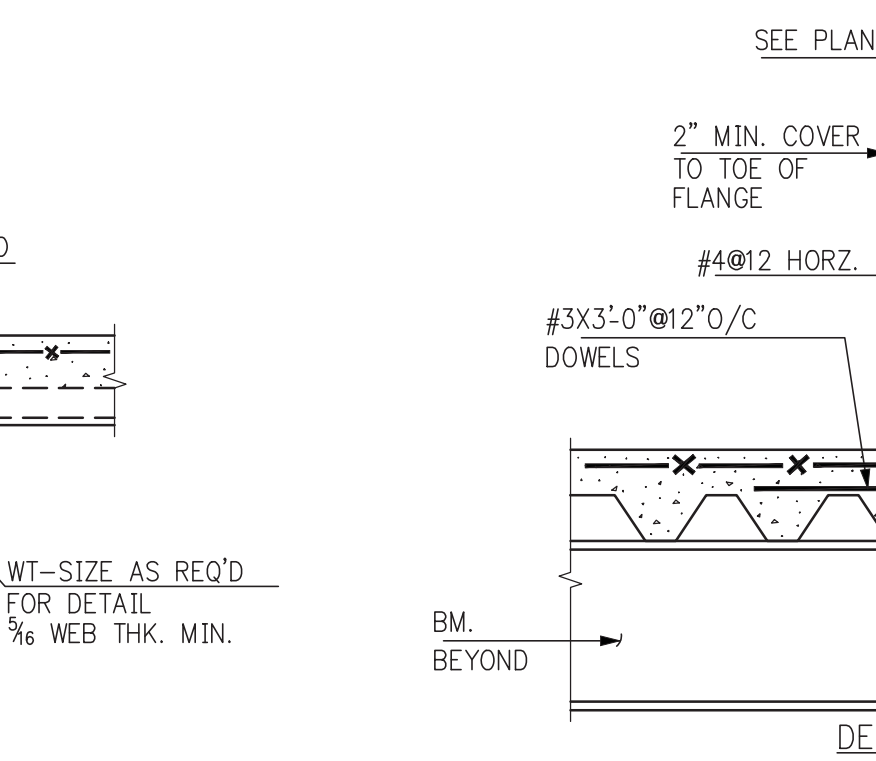
TYPICAL DETAIL AT STAIR



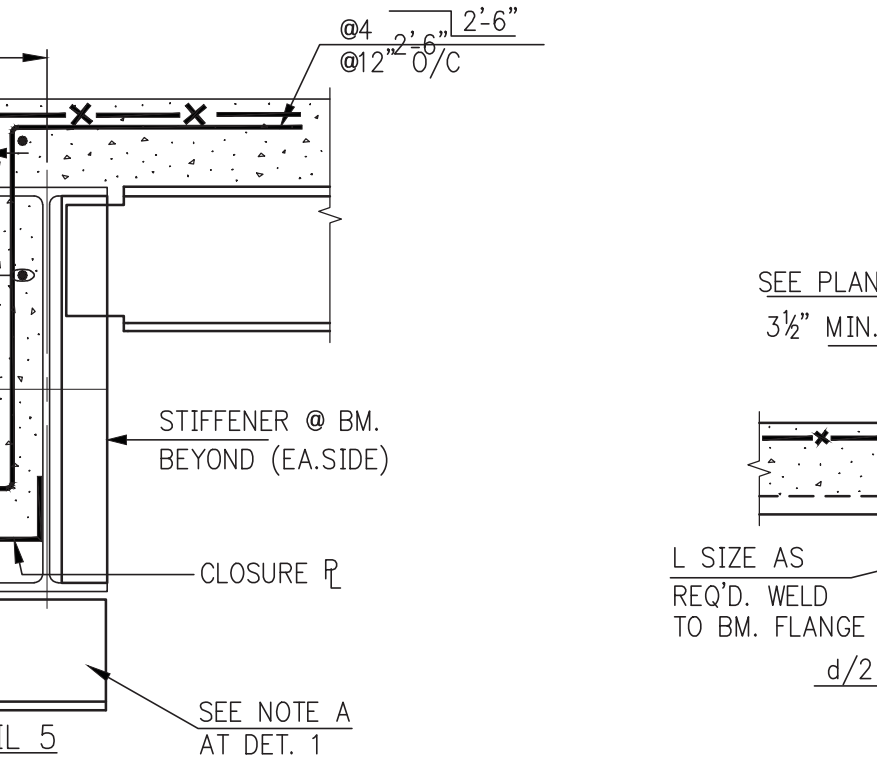
DETAIL 1



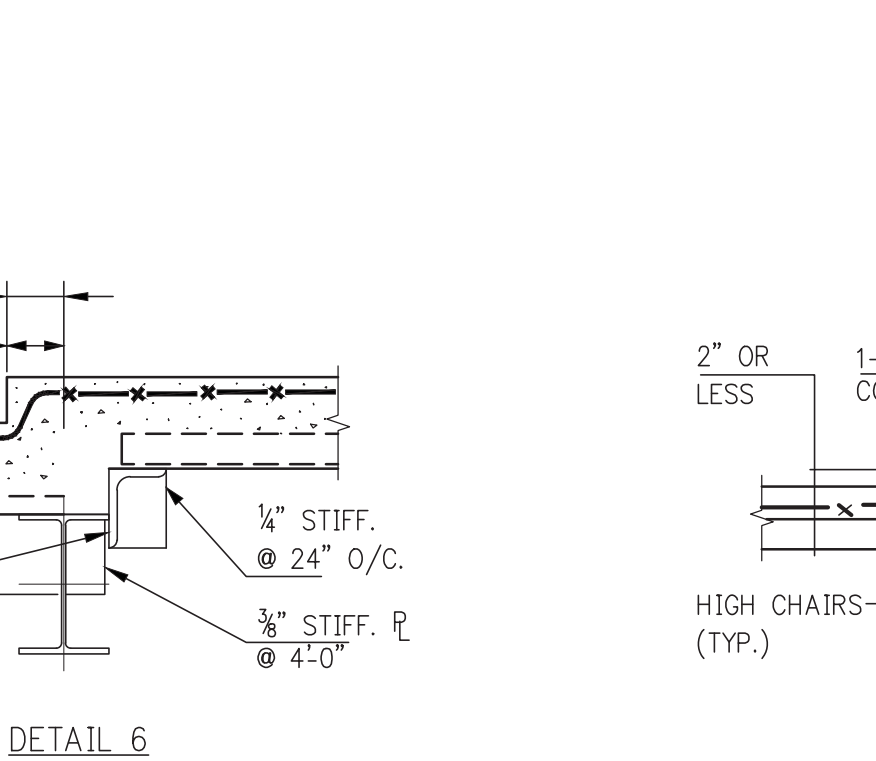
DETAIL 2



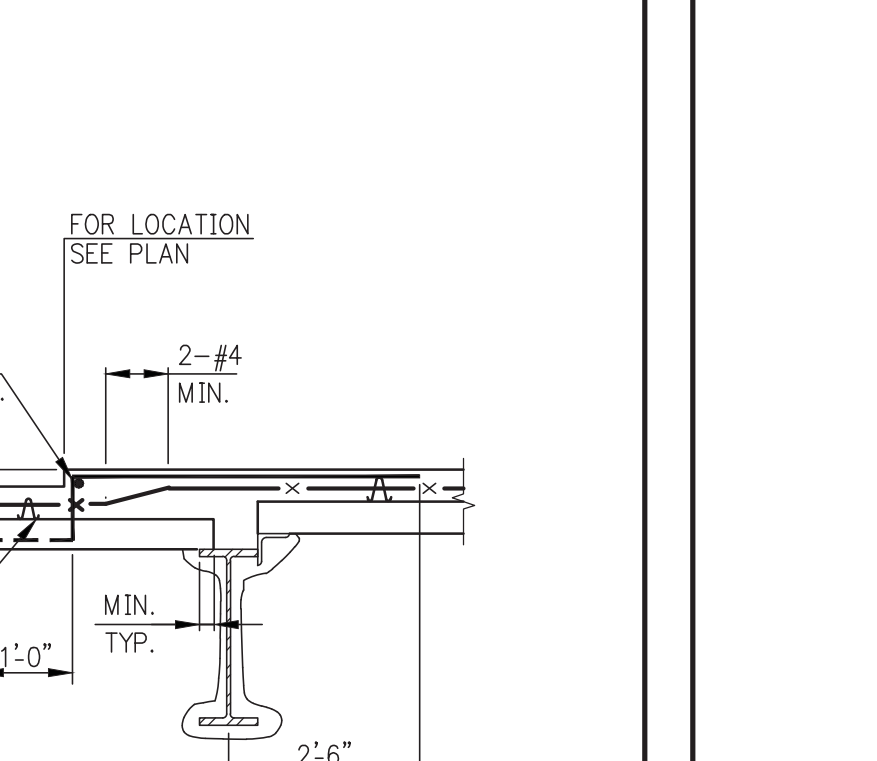
DETAIL 3



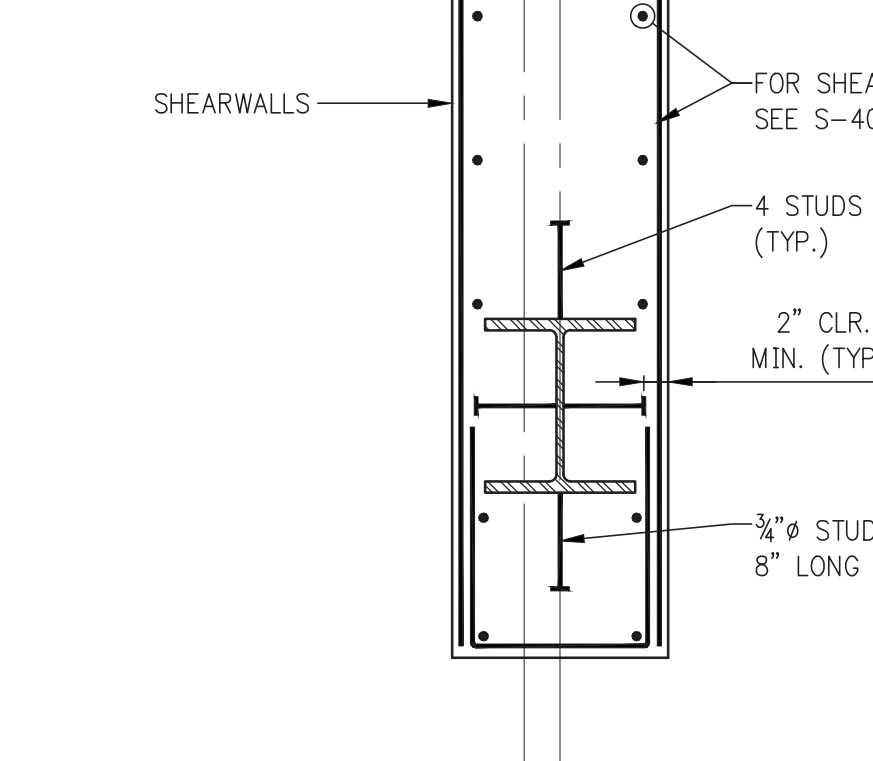
DETAIL 4



DETAIL 5



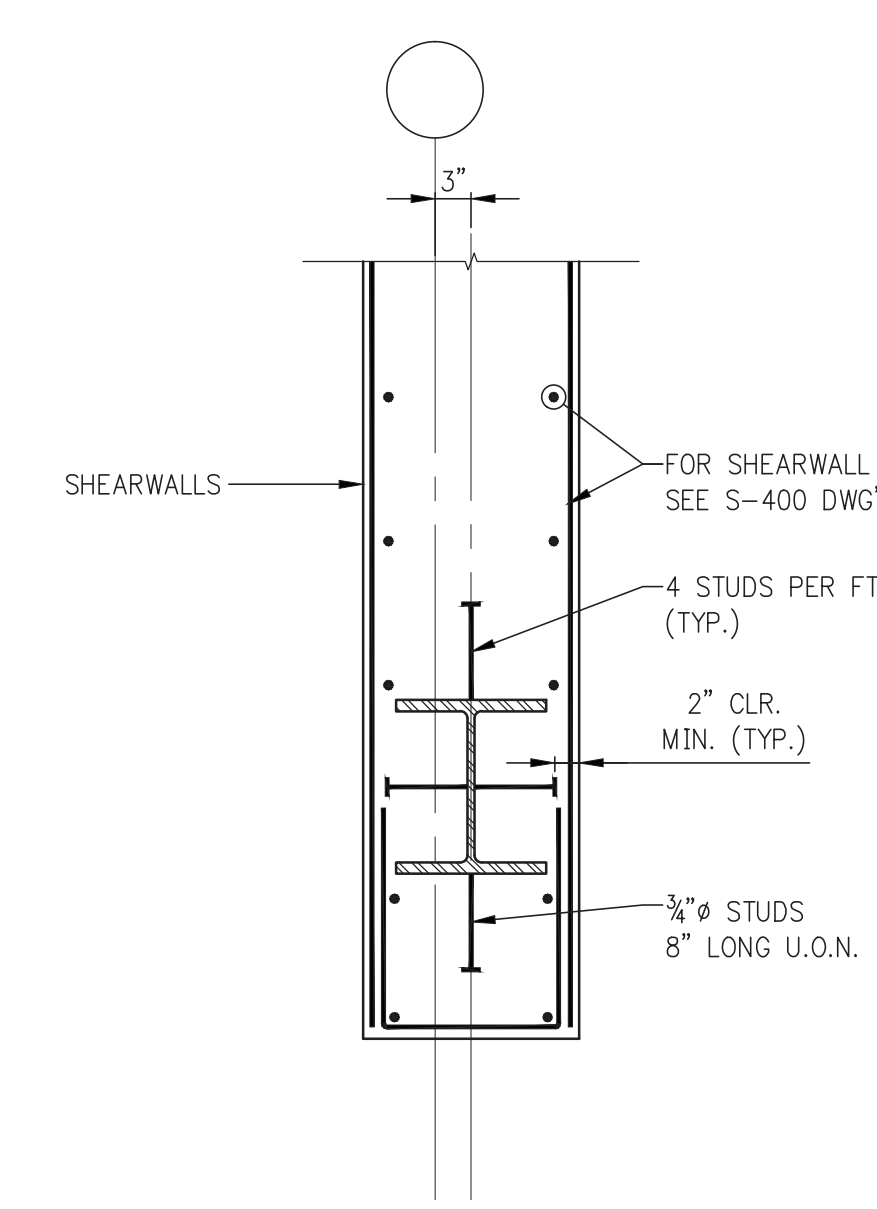
DETAIL 6



DETAIL 7

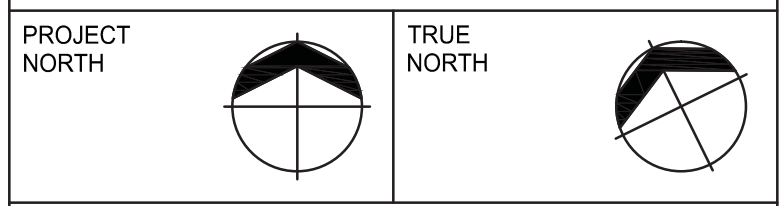
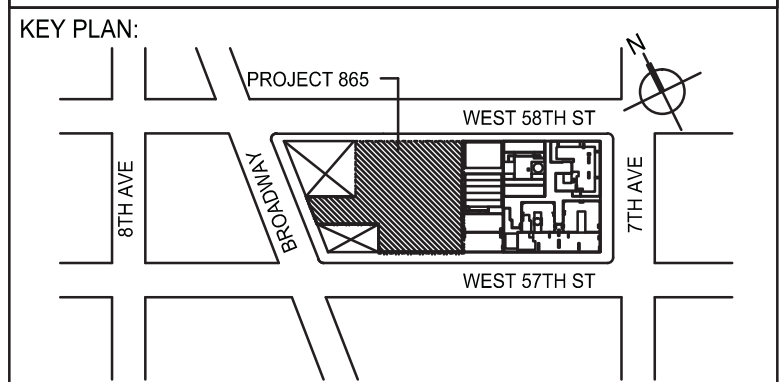
TYPICAL DETAILS FOR SLAB DEPRESSION ON STEEL DECK

NOTE:
WHERE DEPRESSION IS NOT REQ'D AT LOW STEEL DECK, USE LT. WT. CONC. FILL TO BRING UP TO REQ'D ELEVATIONS.



TYPICAL DETAIL OF STEEL ERECTION COLUMN IN SHEAR WALL
SCALE: 3/4"=1'-0"

NOTES:
1) STEEL BEAMS FRAMING INTO COLUMN NOT SHOWN FOR CLARITY.



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INTERIOR DESIGNER: **Residential**
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MEP ENGINEERS: **AKF GROUP**
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LANDMARK PRESERVATION CONSULTANT: **Jan Hird Pokorny Associates, Inc.**
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No.	DESCRIPTION	DATE
1	SE ZONE STEEL BID	08-20-2014
2	STRUCTURAL STEEL BID	09-15-2014
3	CD PROGRESS ISSUE 1	10-15-2014
4	ISSUED FOR CONSTRUCTION UP TO GROUND FL ONLY	10-17-2014
5	DOB SUBMISSION	12-19-2014
6	DOB SUBMISSION	02-05-2015

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

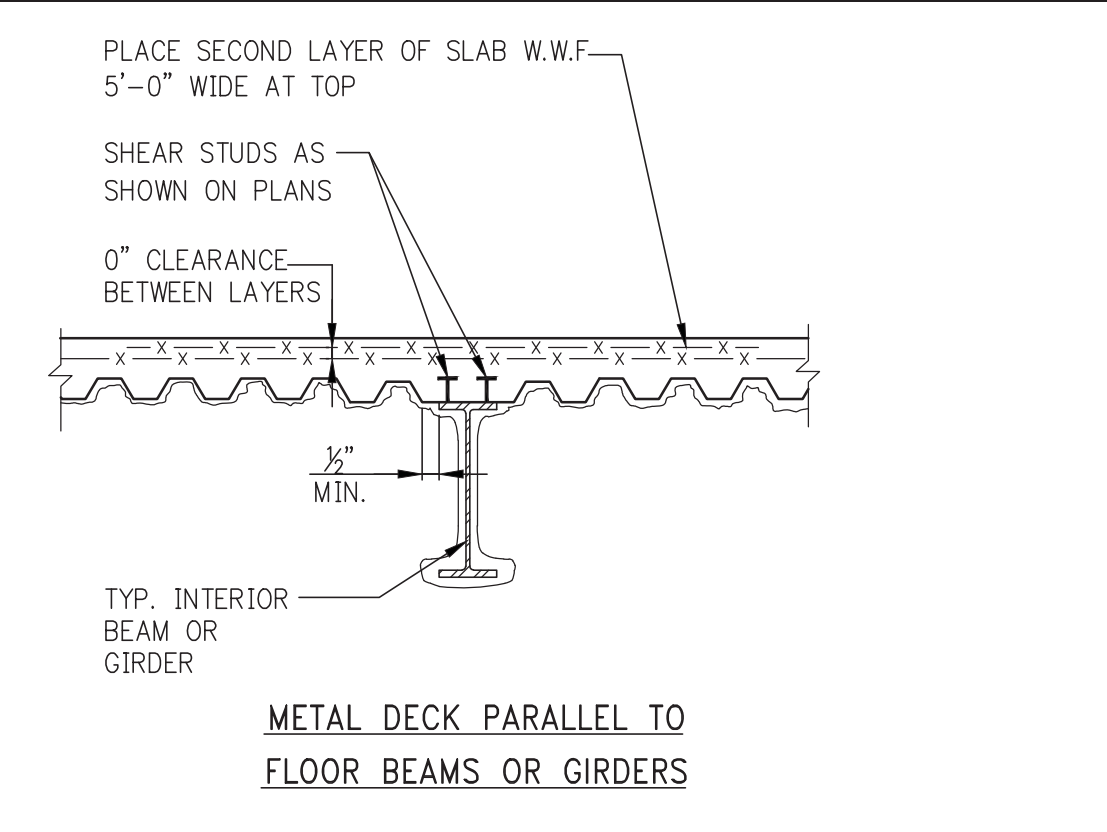
DRAWING TITLE: **TYPICAL STRUCTURE STEEL DETAILS 2**

DATE: 09/20/2014
PROJECT No: 2012186
DRAWN: CADD
CHK: Y.E.
SCALE: AS INDICATED
DWG No: **S-601.00**

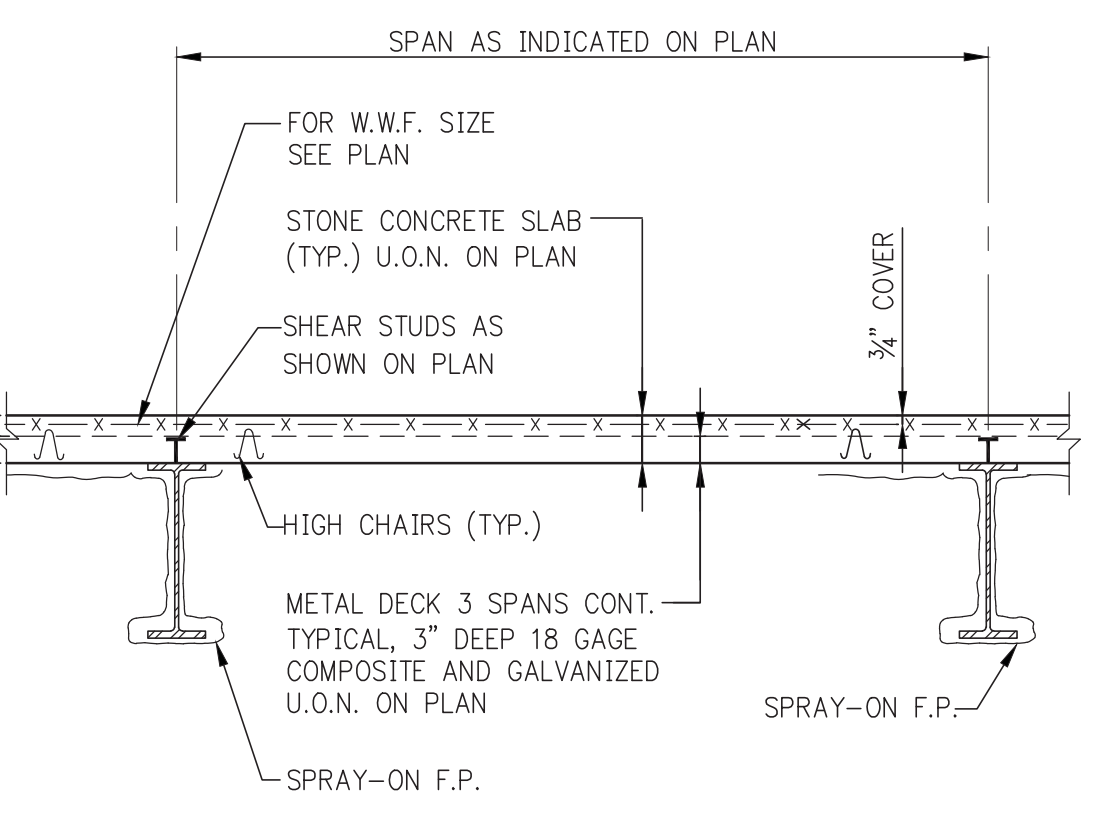
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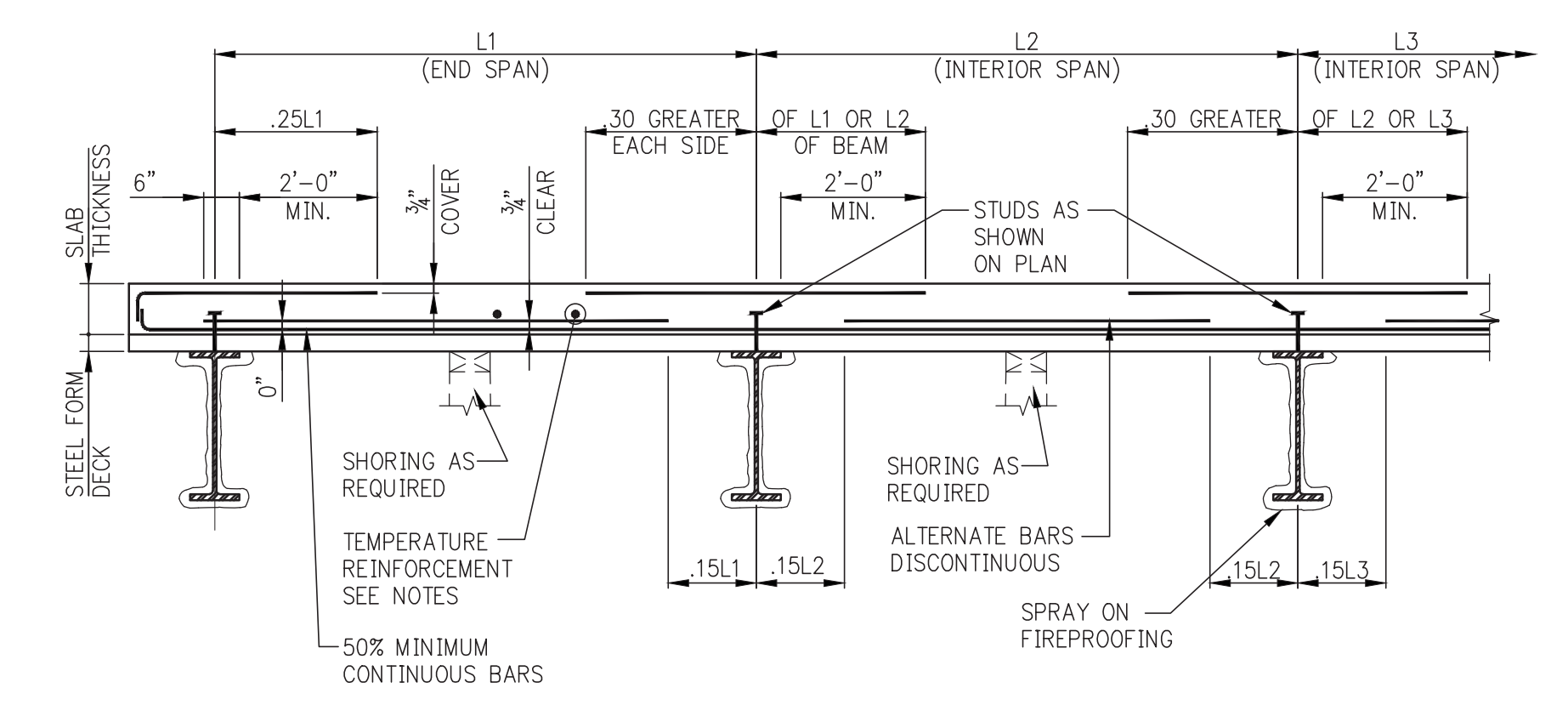


METAL DECK PARALLEL TO FLOOR BEAMS OR GIRDERS



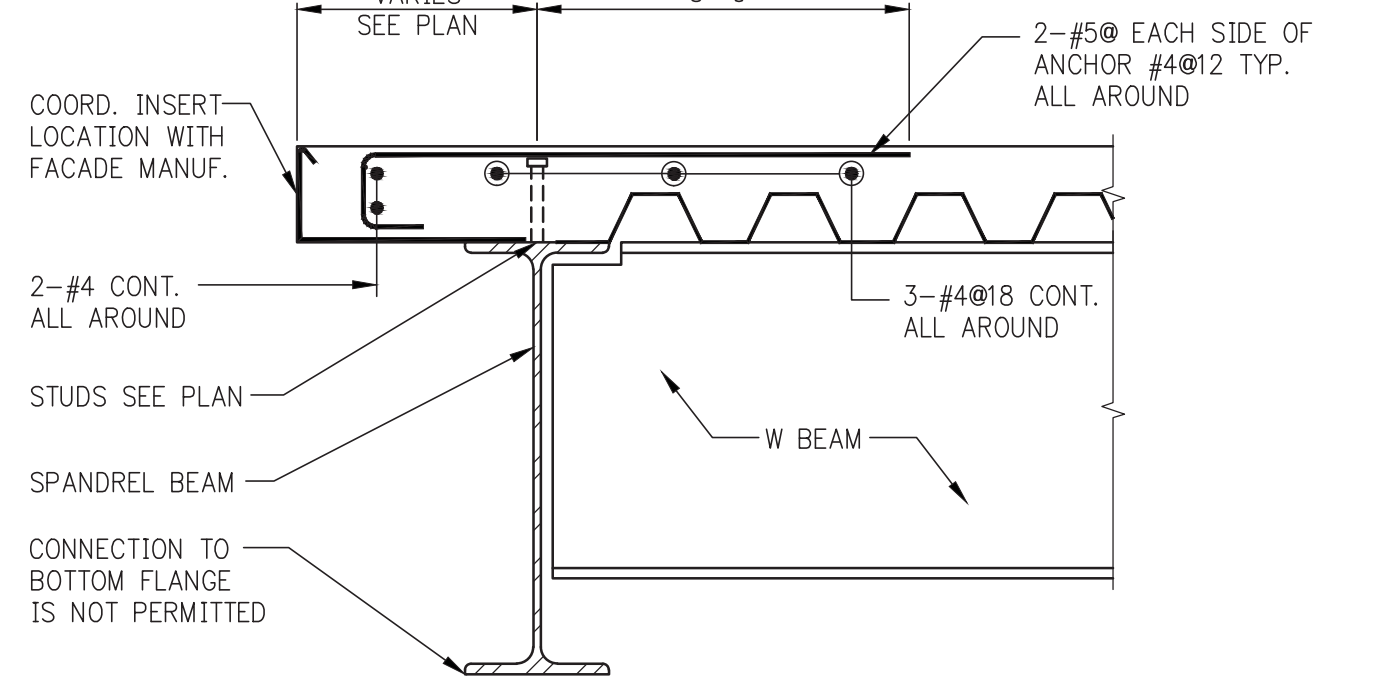
METAL DECK PERPENDICULAR TO FLOOR BEAMS OR GIRDERS

TYPICAL FLOOR CONSTRUCTION

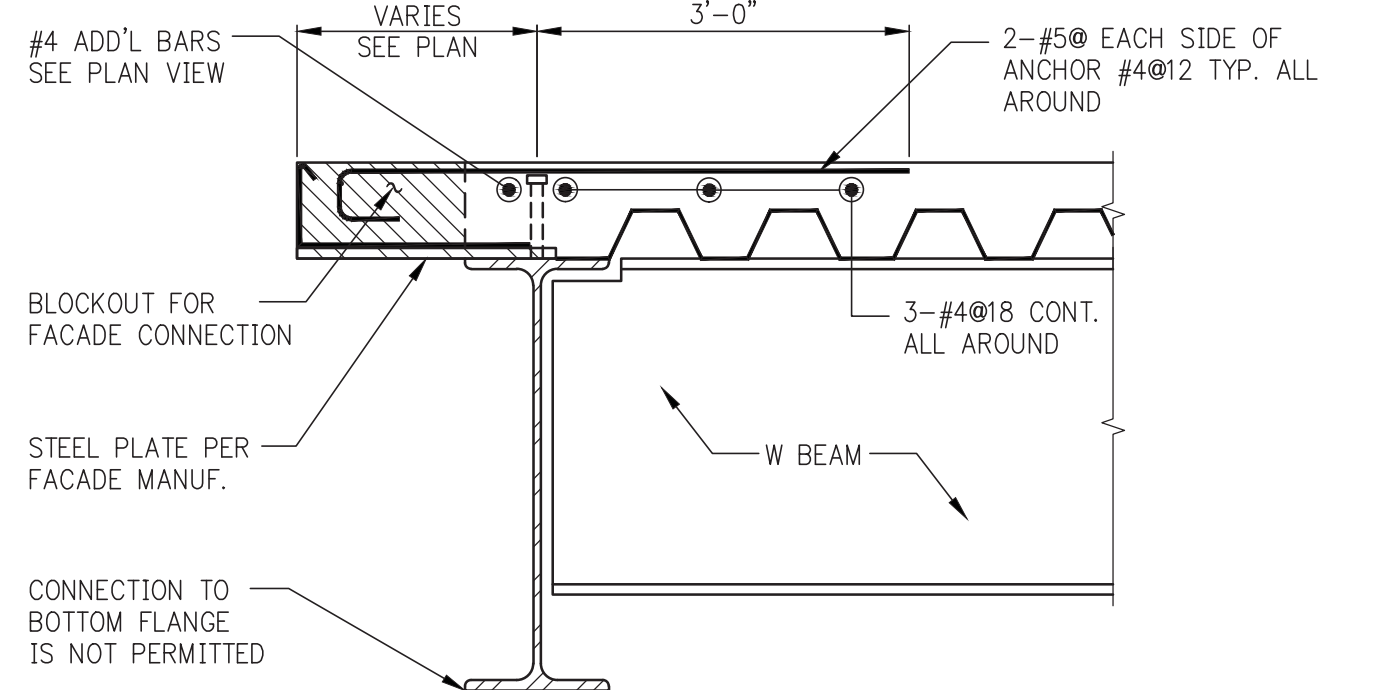


CONCRETE SLAB REINFORCEMENT DETAILS ON STEEL FORM DECK

- NOTES:
- FOR STEEL FORM DECK TYPE, DEPTH, GAGE, YIELD STRESS, PROTECTIVE COATING, ETC. SEE FRAMING PLANS AND NOTES.
 - THESE DETAILS ARE APPLICABLE TO REINFORCED CONCRETE SLAB PLACED ON STEEL FORM DECK SEE PLANS FOR LOCATIONS.
 - SLAB REINFORCEMENT INTERRUPTED BY AN OPENING IN THE SLAB SHALL BE COMPENSATED FOR BY PLACING ONE HALF OF THE REINFORCEMENT TERMINATED ON EACH SIDE OF THE OPENING. REINFORCEMENT SHALL EXTEND FOR FULL LENGTH OF SPAN.
 - PROVIDE 2-#4 TOP AND BOTTOM ADDITIONAL BARS AT ALL FOUR SIDES OF ALL SLAB OPENINGS. LENGTH OF BARS TO BE EQUAL TO OPENING PLUS FIVE FEET.
 - PROVIDE #4@12 TOP REINFORCEMENT OVER ALL STEEL FRAMING MEMBERS (GIRDERS) WHICH ARE PARALLEL TO THE SPAN DIRECTION OF THE SLAB. BARS TO EXTEND 2'-0" FROM EDGE OF GIRDER FLANGE ON EACH SIDE OF GIRDER.
 - HOOK ALL TOP BARS AT DISCONTINUOUS ENDS, I.E. FACE OF CANTILEVERS, EDGE OF SLAB, OPENINGS, ETC.
 - SLAB TEMPERATURE REINFORCEMENT SHALL BE #4@18 FOR SLAB THICKNESS UP TO 6", #4@12 FOR SLAB THICKNESS BETWEEN 6" AND 9", #4@9" BETWEEN 9" AND 12".

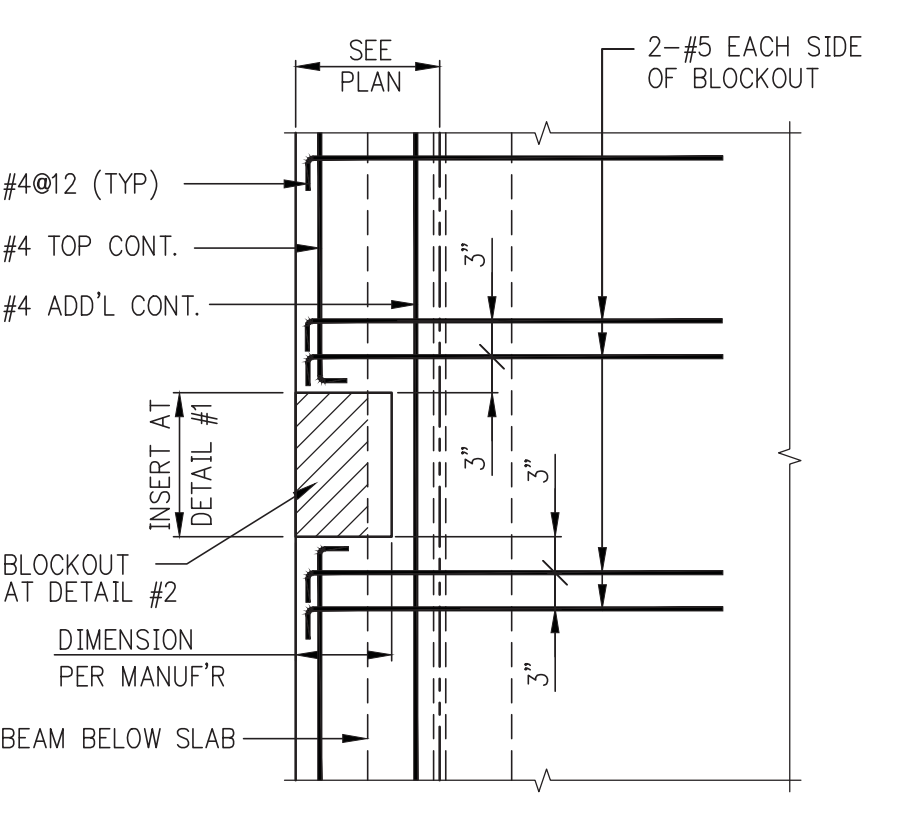


DETAIL #1 (WHERE FACADE ANCHOR IS EMBEDDED INTO SLAB) (REBAR TO BE COORDINATED WITH INSERT LOCATION)

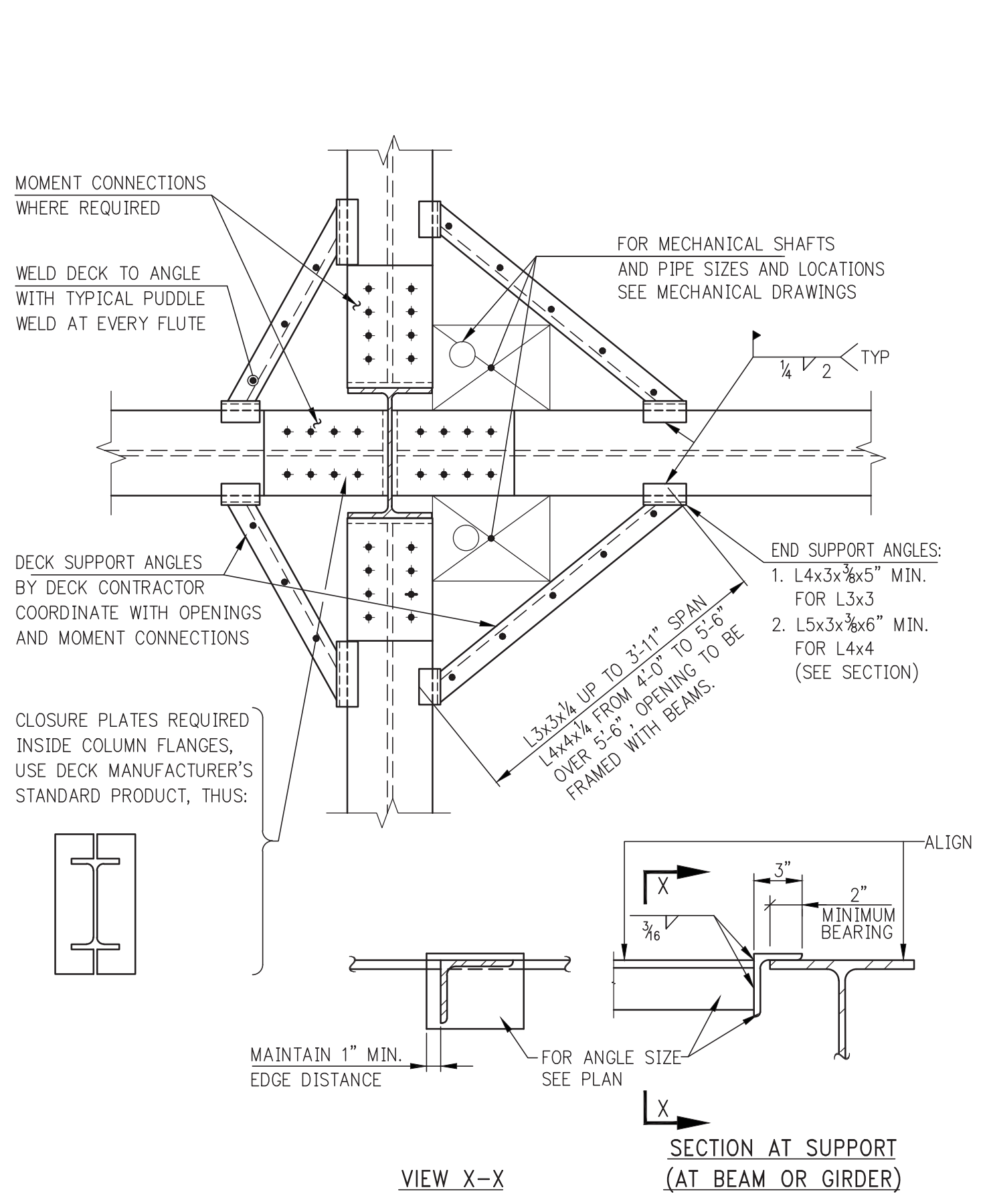


DETAIL #2 (WHERE FACADE ANCHOR IS SET INTO SLAB BLOCKOUT) (REBAR TO BE COORDINATED WITH BLOCKOUT LOCATION)

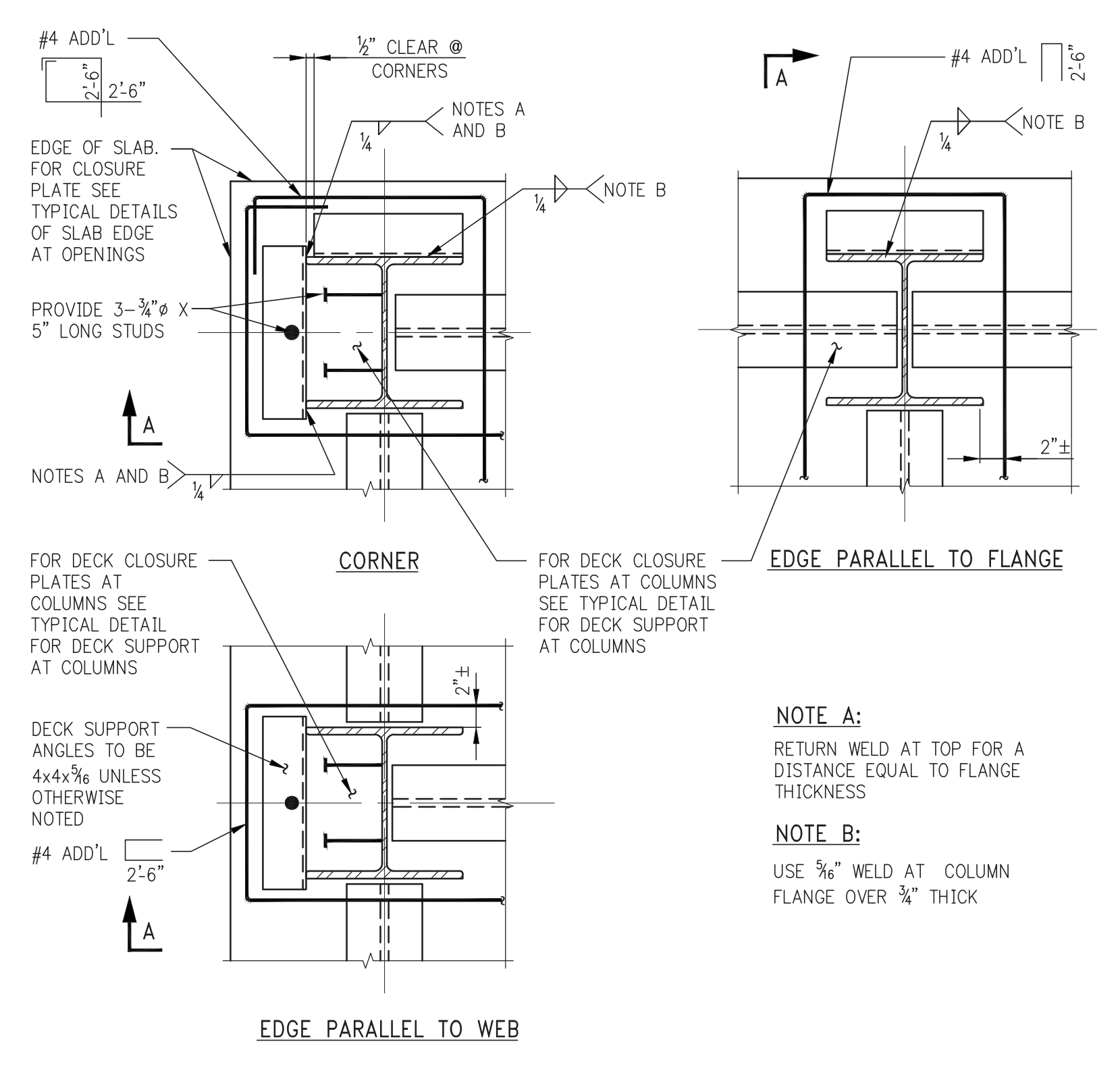
DECK SUPPORT AT PERIMETER



PLAN VIEW AT FACADE ANCHORS

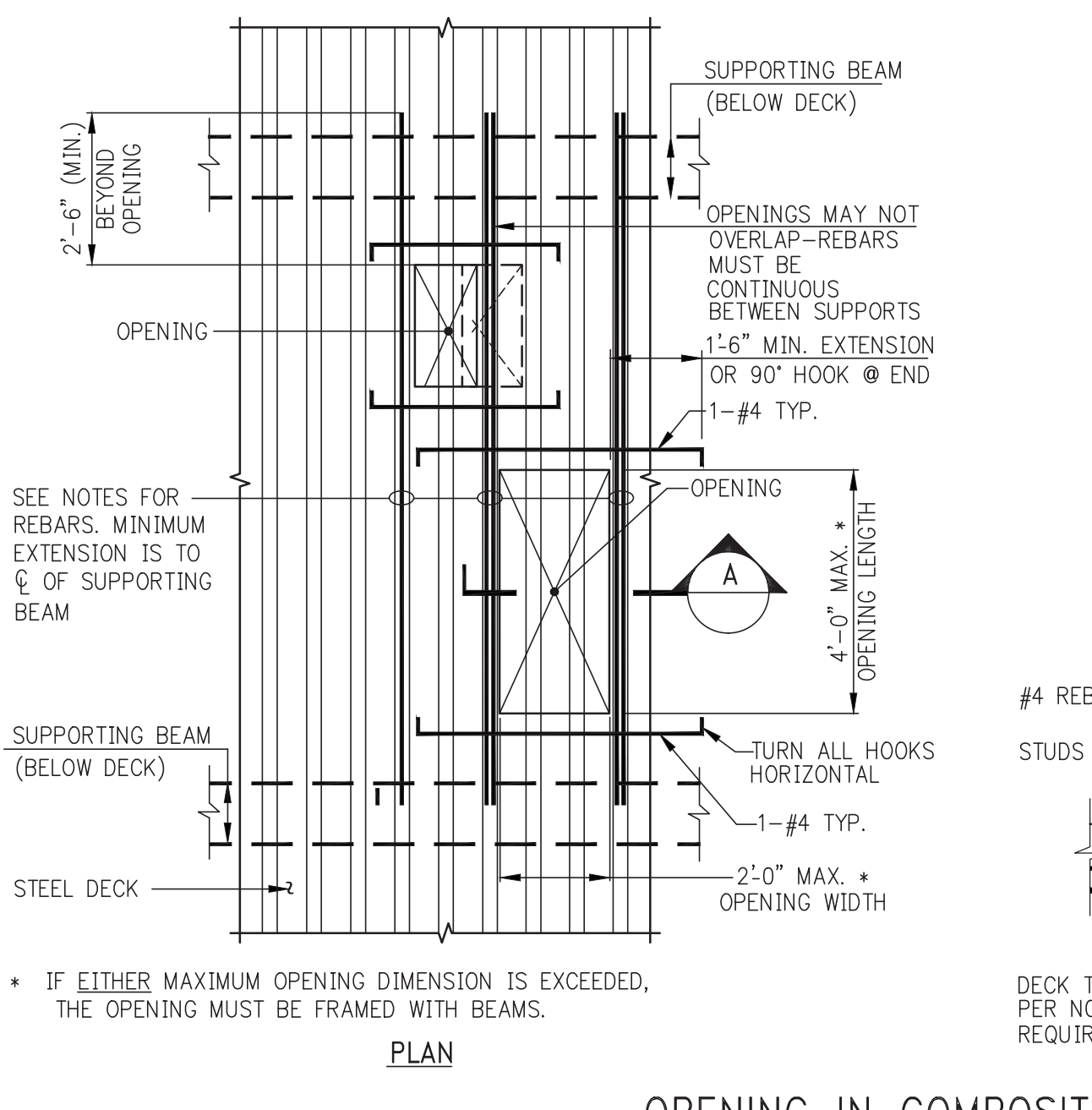


DECK SUPPORT AT COLUMNS



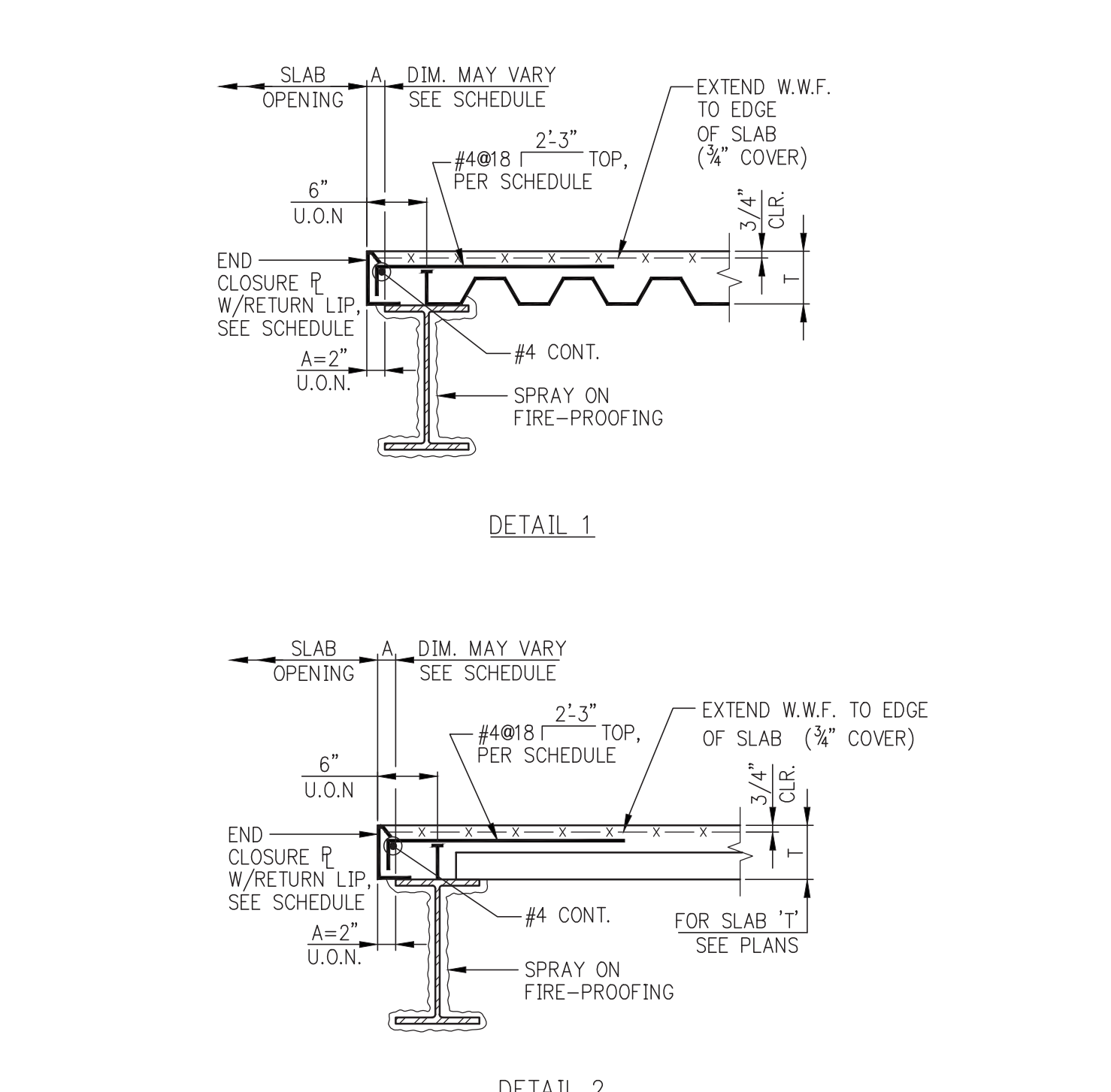
DECK SUPPORT AT PERIMETER COLUMNS

NOTE: DECK IS NOT SHOWN. SEE FRAMING PLANS FOR SIZE AND DIRECTION OF SPAN.



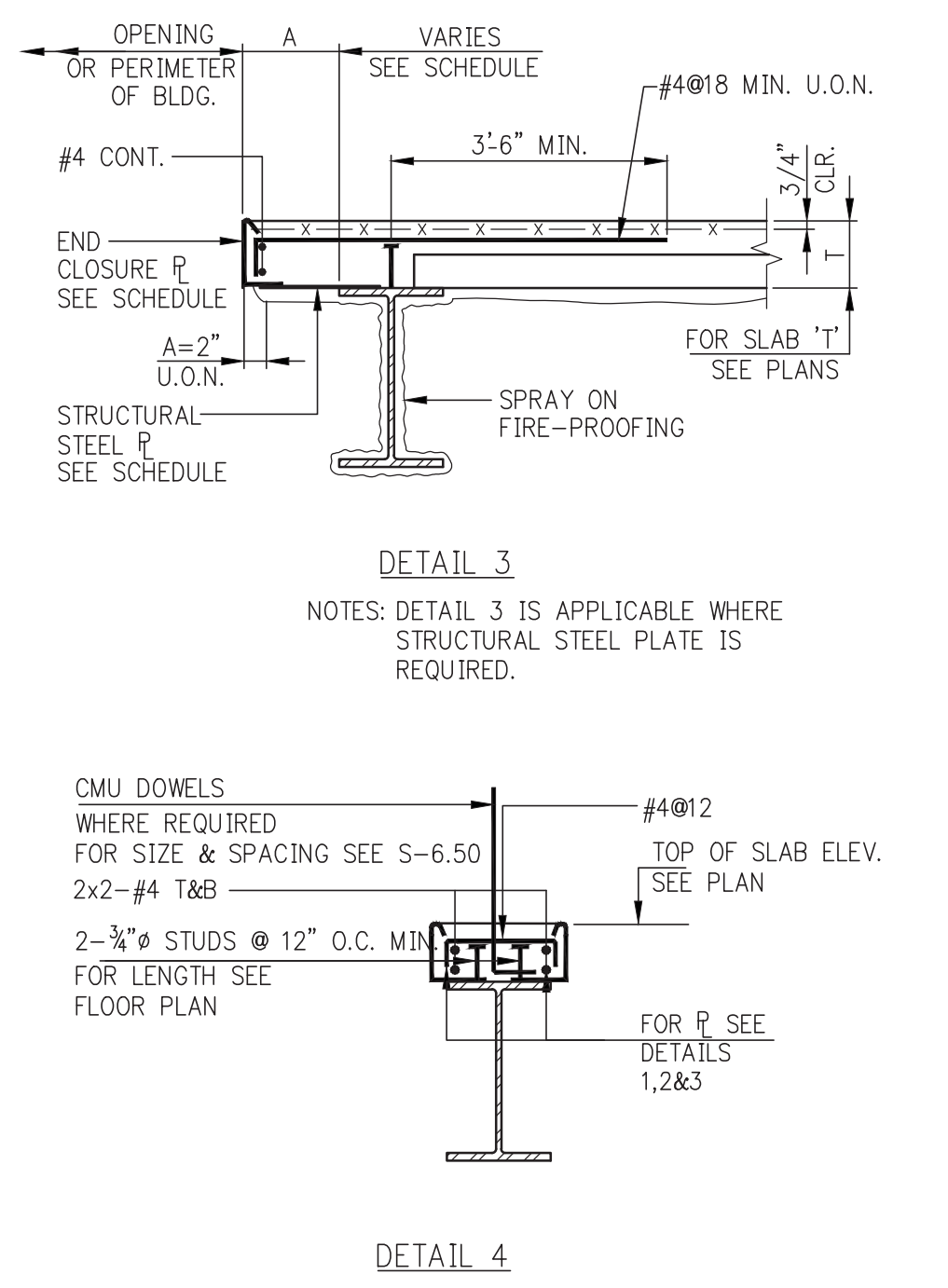
OPENING IN COMPOSITE SLAB

- NOTES:
- OPENINGS WHICH ARE DETERMINED BY THE CONTRACTOR TO BE REQUIRED BY JOB CONDITIONS, BUT WHICH ARE NOT SHOWN ON THE STRUCTURAL DRAWINGS, SHALL BE SUBMITTED TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL.
 - BLOCK OUT OPENING ON TOP OF DECK AND RIBS.
 - DECK IS NOT TO BE CUT WHEN OPENINGS ARE BLOCKED OUT.
 - PLACE REINFORCING BARS IN CONTINUOUS RIBS IMMEDIATELY ADJACENT TO OPENING AND IN TOPPING SLAB PERPENDICULAR TO RIBS.
 - WHEN RIBS ARE SPACED AT 12" OR 8" ON CENTER, REINFORCING REQUIRED = 2-#4 FOR EACH RIB PARTIALLY OR FULLY CUT. PLACE ONE HALF OF REBARS ON EACH SIDE OF OPENING, 2 BARS MAXIMUM PER RIB.
 - WHEN RIBS ARE SPACED AT 6" ON CENTER, REINFORCING REQUIRED = 1-#4 (MINIMUM) FOR EACH RIB PARTIALLY OR FULLY CUT. ADD 1-#4 IF AN ODD NUMBER OF RIBS IS CUT. PLACE ONE HALF OF REBARS ON EACH SIDE OF OPENING, ONE BAR PER RIB.
 - PROVIDE ADEQUATE CHAIRS AND SPACERS TO HOLD REBAR SECURELY IN PLACE DURING PLACEMENT OF CONCRETE.
 - AFTER CONCRETE HAS BEEN PLACED AND HAS ATTAINED AT LEAST 70 PERCENT OF ITS DESIGN STRENGTH, THE BLOCKOUTS MAY BE REMOVED AND THE STEEL DECK MAY BE BURNED OUT AT THE EDGES OF THE OPENING.
 - FOR HOLES UP TO 6" DIAMETER OR 6"x6", REINFORCING WILL NOT BE REQUIRED.



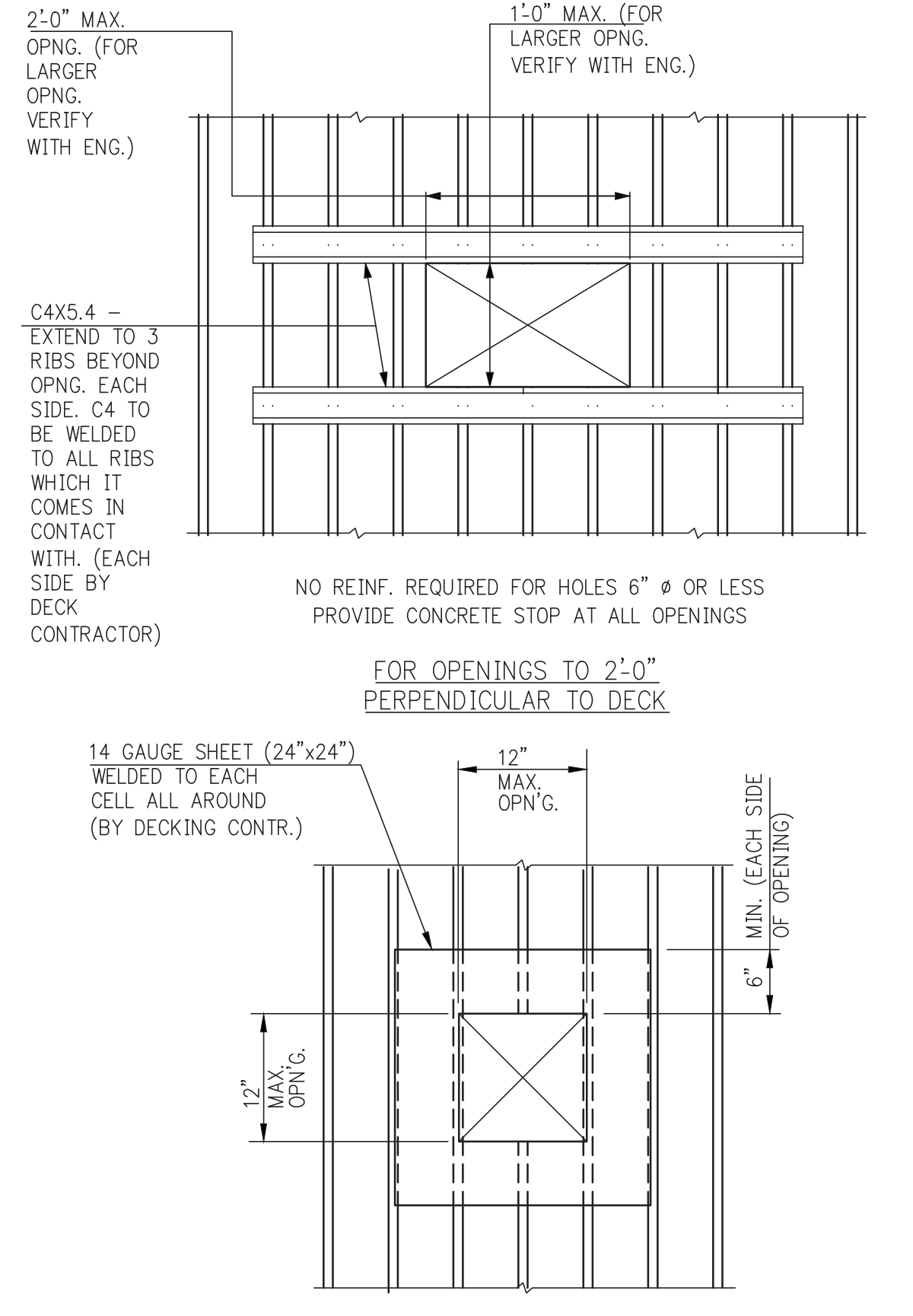
TYPICAL DETAILS OF SLAB EDGE AT OPENING

- NOTES:
- CLOSURE TO BEAR 2" ON FLANGE OF BEAM
 - WELD CLOSURE TO TOP FLANGE PER MANUFACTURER'S RECOMMENDATIONS.
 - PROVIDE RETURN LIP AT ALL VERTICAL LEGS, 1" FOR 10 GAGE, 3/4" FOR 12 GAGE, 1/2" FOR 14 GAGE.
 - IF 'A' EXCEEDS DIMENSIONS SHOWN ABOVE, REINFORCE POUR STOP WITH STIFFENERS OR SHORE UP THE EDGE OF SLAB DURING POUR.



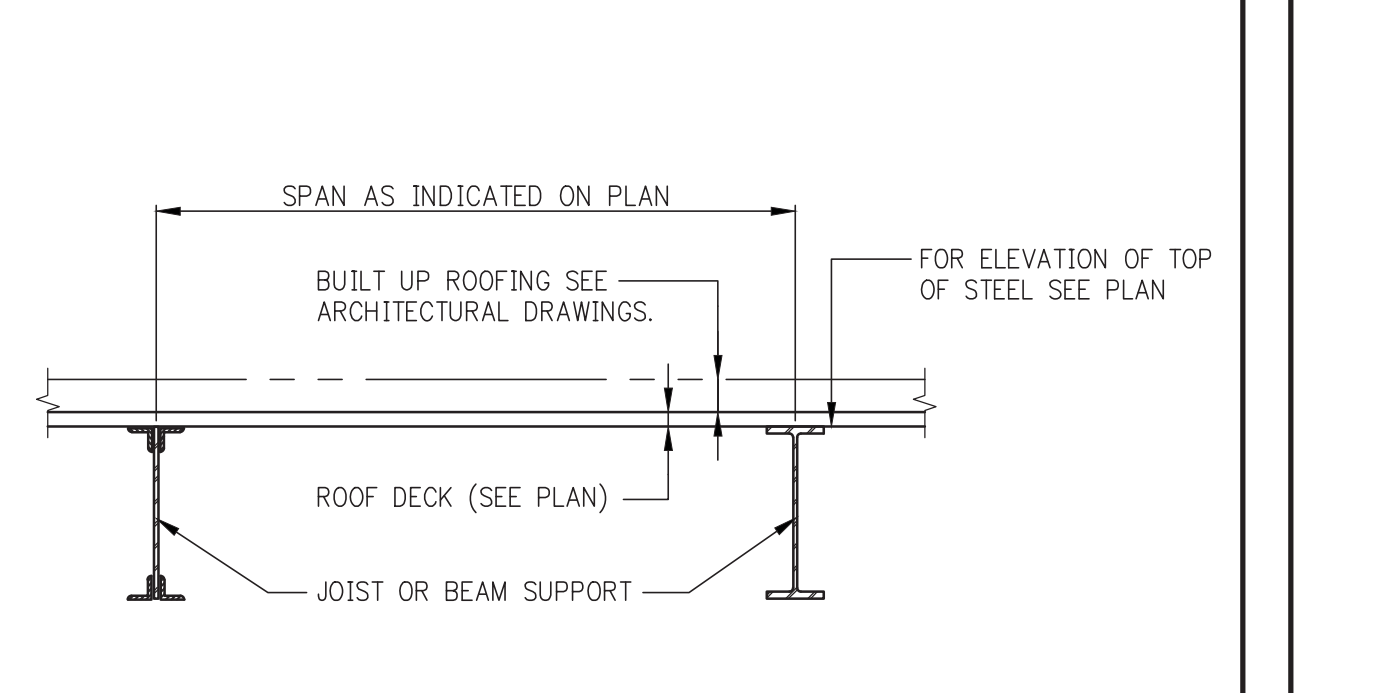
END CLOSURE PLATE SCHEDULE

T= UP TO AND INCLUDING 6"	T= OVER 7 1/4", UP TO AND INCLUDING 9"	T= OVER 9", UP TO AND INCLUDING 13"
A	A	A
UP TO 4"	UP TO 3"	UP TO 2"
14	12	10
OVER 4" TO 8"	OVER 3" TO 6"	2" TO 6"
12	10	3/4" R
OVER 8" TO 10"	OVER 7" TO 12"	6" TO 10"
3/16"	1/4"	1/2" THICK R
14"	14"	14"

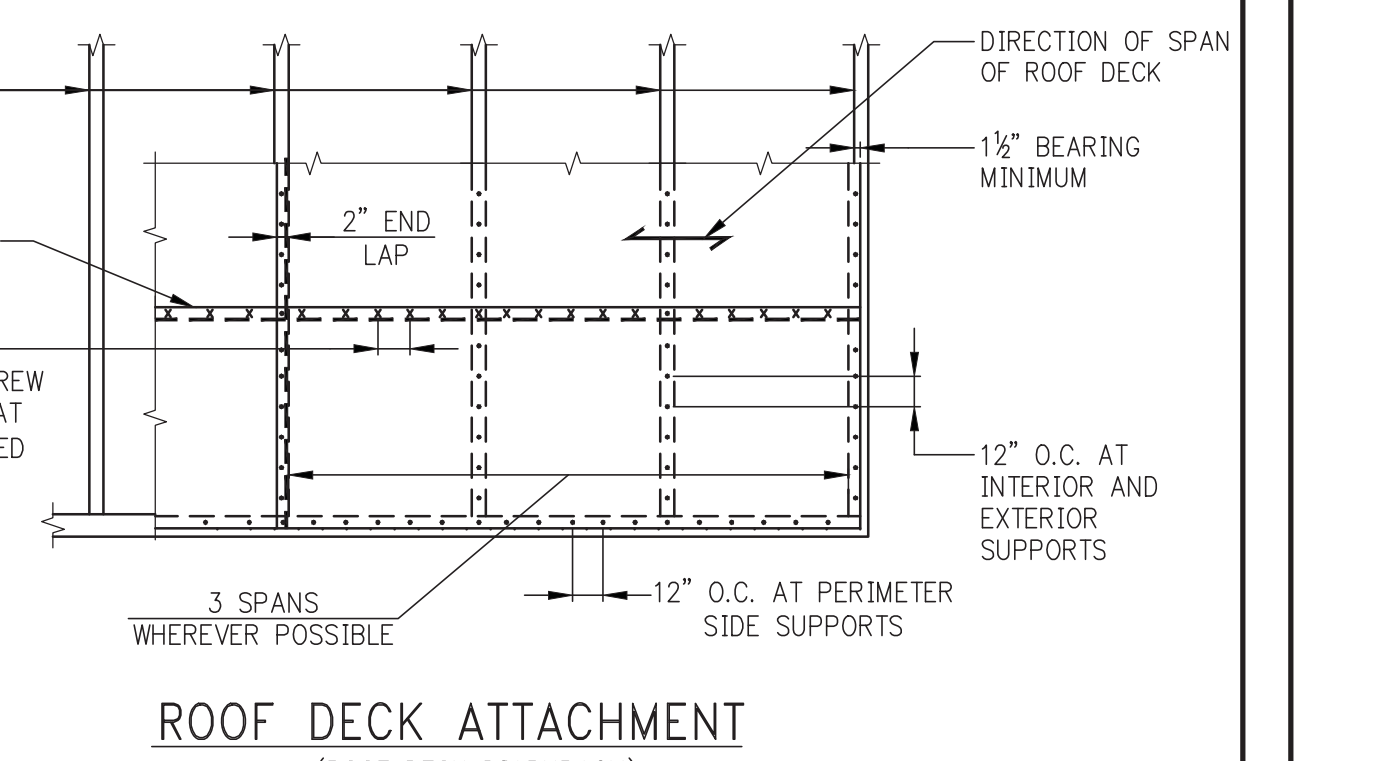


TYPICAL FLOOR DETAILS AT OPENINGS

- NOTES:
- FOR OPENING SIZE & LOC. SEE ARCH. & MEP DWGS.
 - SPACING BETWEEN FLOOR OPENINGS SHOWN TO BE 3'-0" MIN. U.O.N.

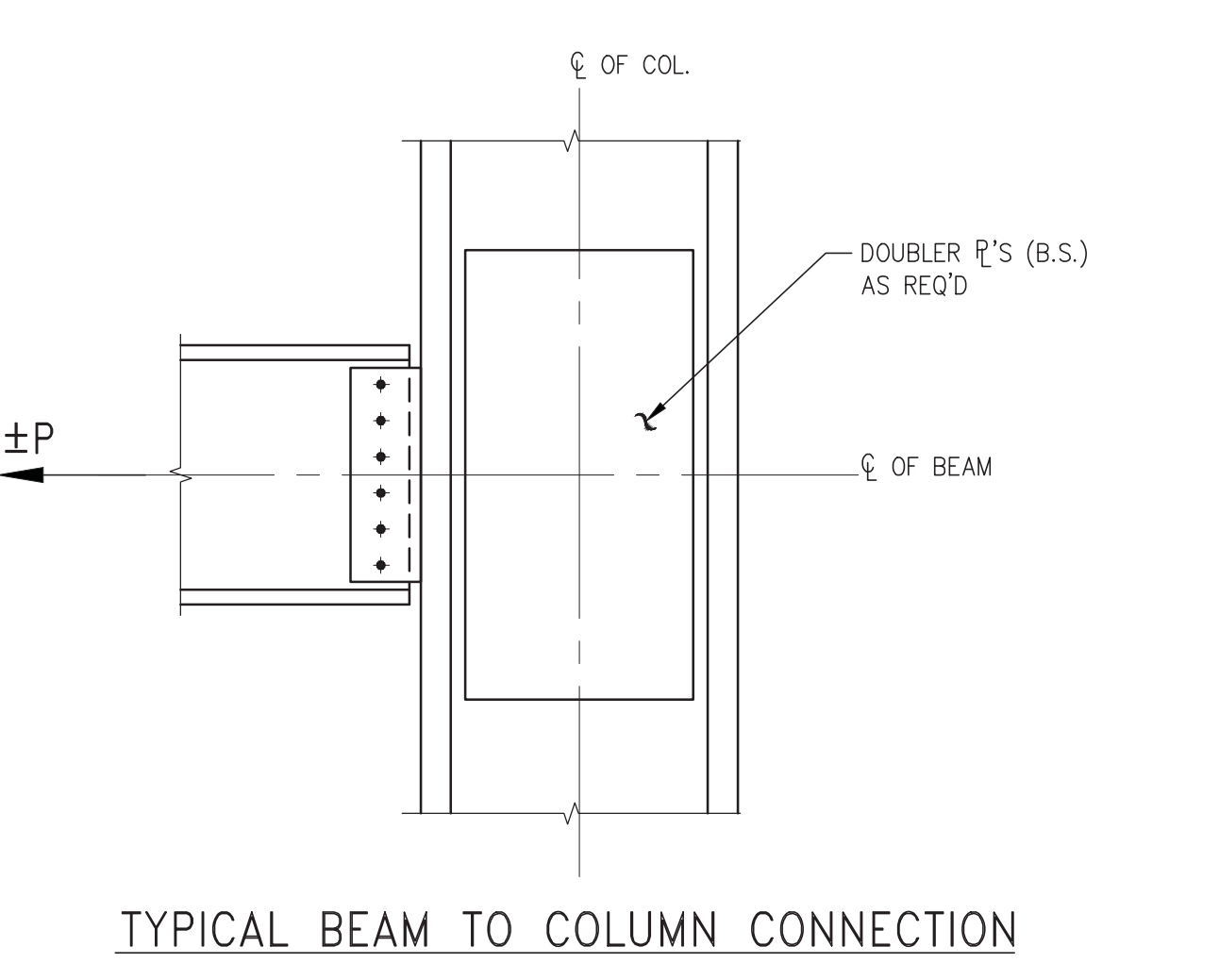


ROOF DECK CONSTRUCTION



ROOF DECK ATTACHMENT (ROOF DECK DIAPHRAGM)

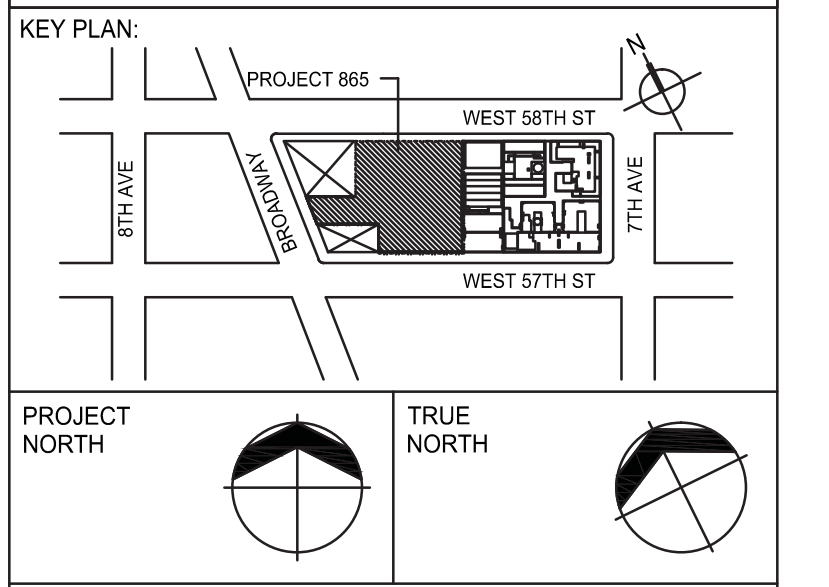
- LEGEND:
- x INDICATES #12 SELF-DRILLING SHEET METAL SCREW. (AS AN ALTERNATIVE 1" LONG FILLET WELDS MAY BE USED)
 - INDICATES 3/8" DIAMETER PUDDLE WELD. WELDS TO PENETRATE ALL LAYERS OF DECK AT LAPS AND SHALL HAVE GOOD FUSION TO SUPPORTS. (ALTERNATIVELY, EQUIVALENT POWER ACTIVATED FASTENERS MAY BE SUBMITTED FOR APPROVAL BY THE ENGINEER)



TYPICAL BEAM TO COLUMN CONNECTION

- NOTES:
- ALL BEAMS TO COLUMN CONNECTIONS SHALL BE DESIGNED TO TRANSFER AN AXIAL FORCE (TENSION OR COMPRESSION) OF NOT LESS THAN SHOWN IN THE TABLE BELOW U.O.N. ON THE DRAWINGS. THIS AXIAL FORCE IS IN ADDITION TO ANY OTHER LOAD NOTED ON THE DRAWINGS. USE MAXIMUM AXIAL LOAD BETWEEN TABLE BELOW AND AXIAL LOAD INDICATED ON FLOOR FRAMING AND NOTES.
 - AXIAL FORCE DESCRIBED IN NOTE #1 TO BE DEVELOPED THROUGH THE BEAM WEB, CENTERED ON BEAM DEPTH (NO ECCENTRICITY).
 - ALL FORCES SHOWN IN THE TABLE BELOW ARE FACTORED.
 - DETAIL IS APPLICABLE AT ALL COLUMNS & POSTS INCLUDING ERECTION COLUMNS.

FLOOR LEVEL	GRIDLINE	AXIAL LOAD (KIP)
SC3 - 9"	CONCRETE ENCASED	LINE 3 (700)
	CONCRETE ENCASED	LINE 2, 4 (400)
	NOT ENCASED	ALL (75)



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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	STEEL BID PACKAGE	06-02-2014
4	SUPERSTRUCTURE CONCRETE BID	06-02-2014
5	DESIGN DEVELOPMENT	07-01-2014
6	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
7	SE ZONE STEEL BID	08-20-2014
8	STRUCTURAL STEEL BID	09-16-2014
9	CD PROGRESS ISSUE 1	10-15-2014
10	ISSUED FOR CONSTRUCTION	10-17-2014
11	DOB SUBMISSION	12-19-2014
12	CD PROGRESS ISSUE 2	12-19-2014
13	DOB SUBMISSION	02-05-2015

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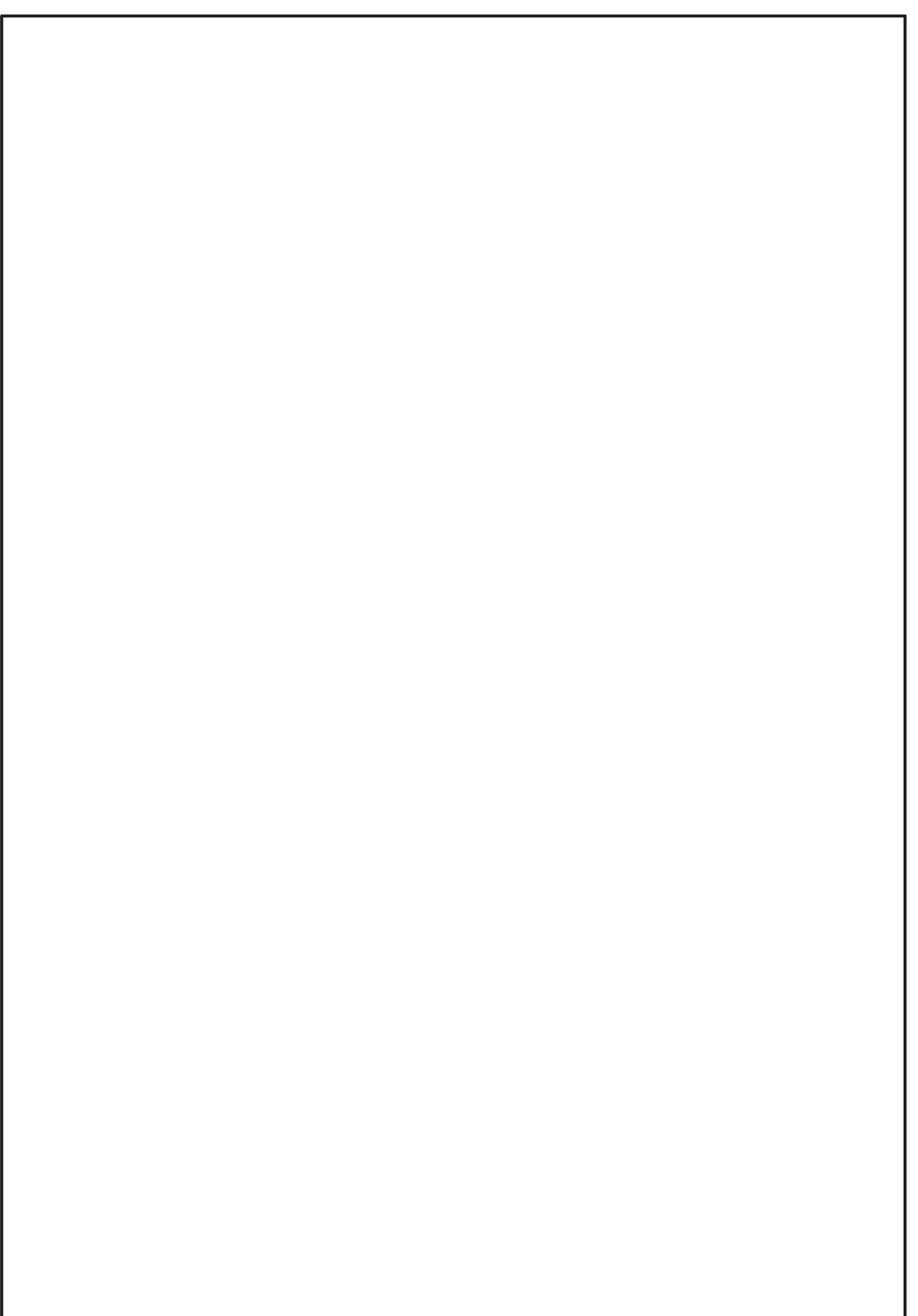
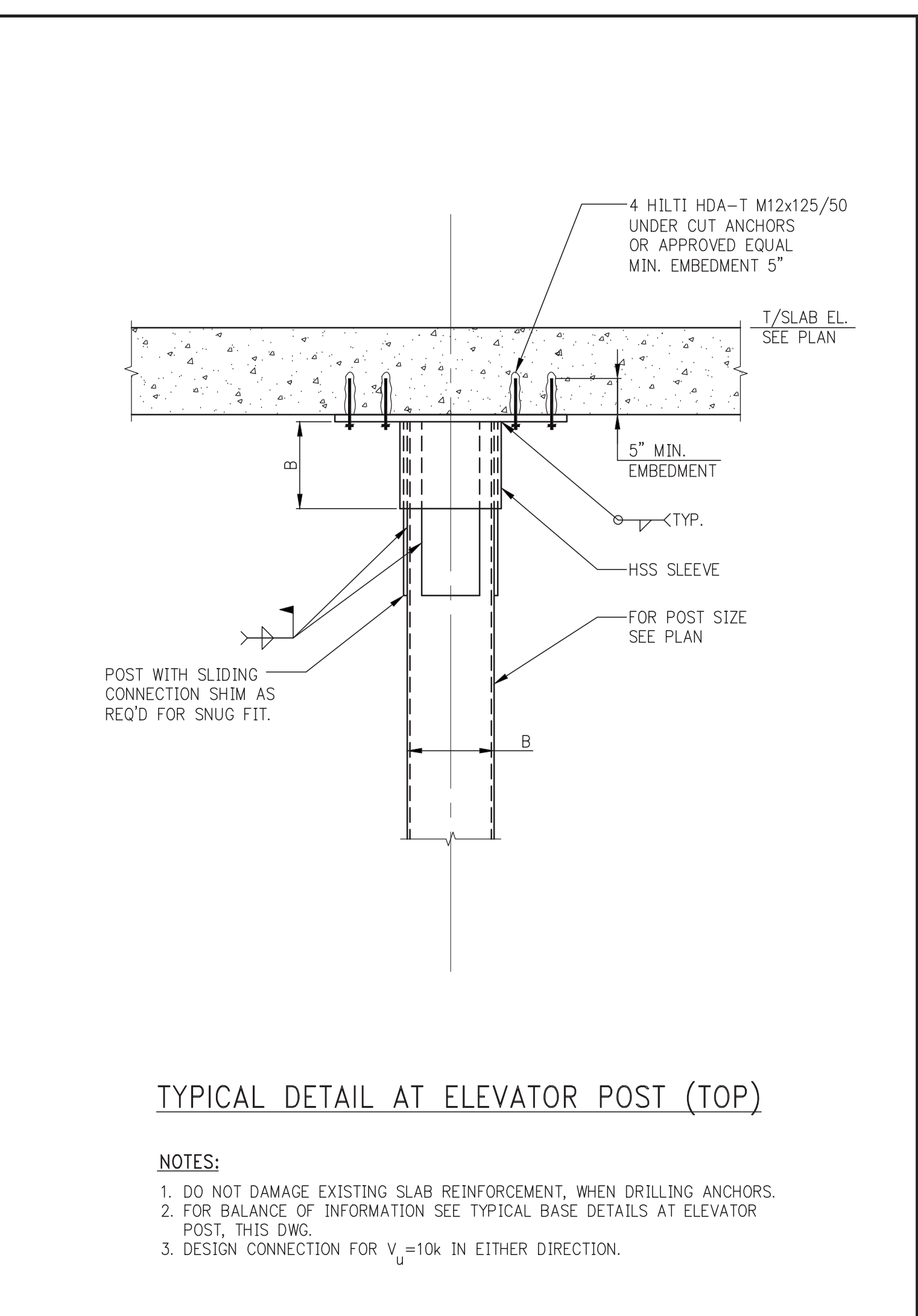
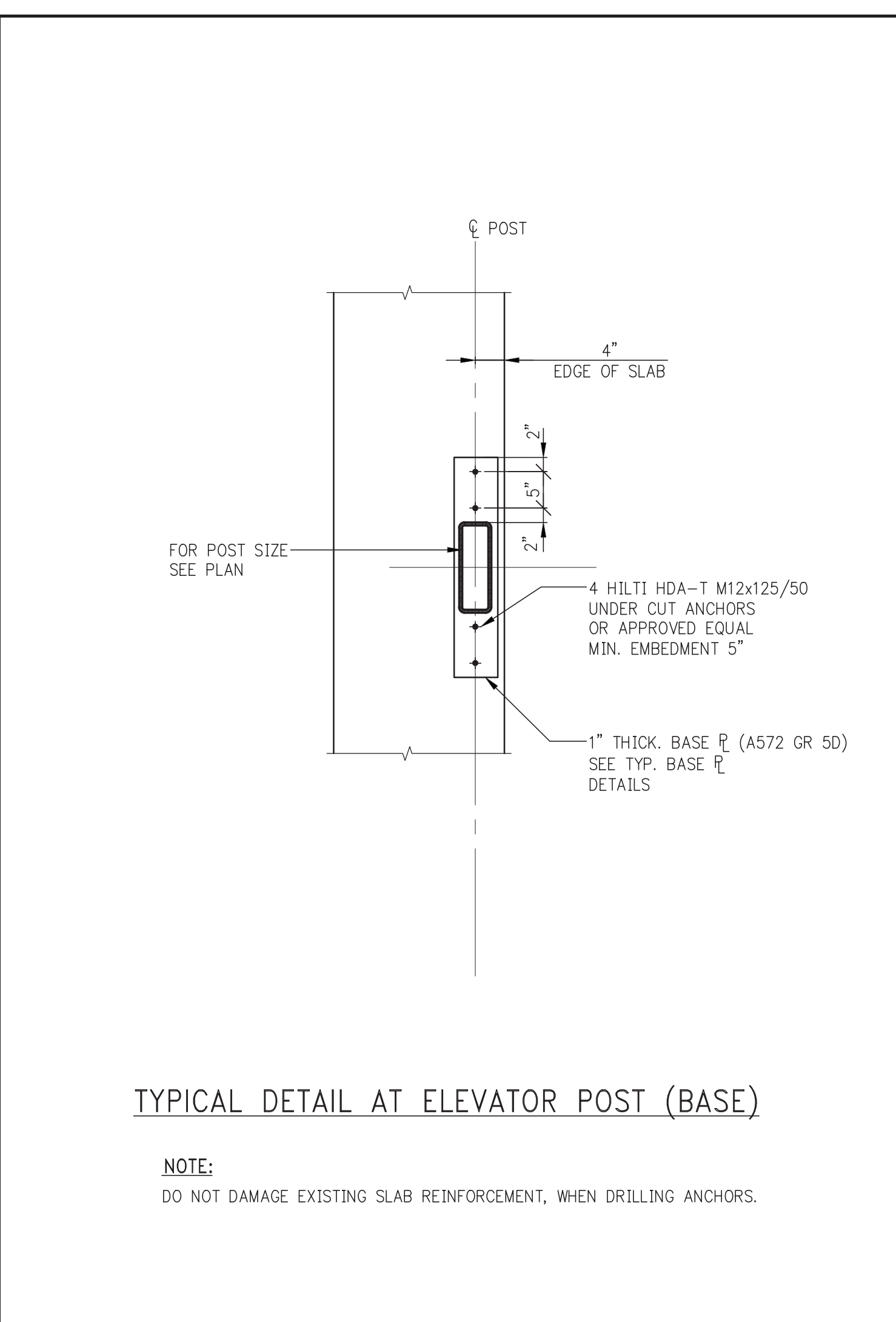
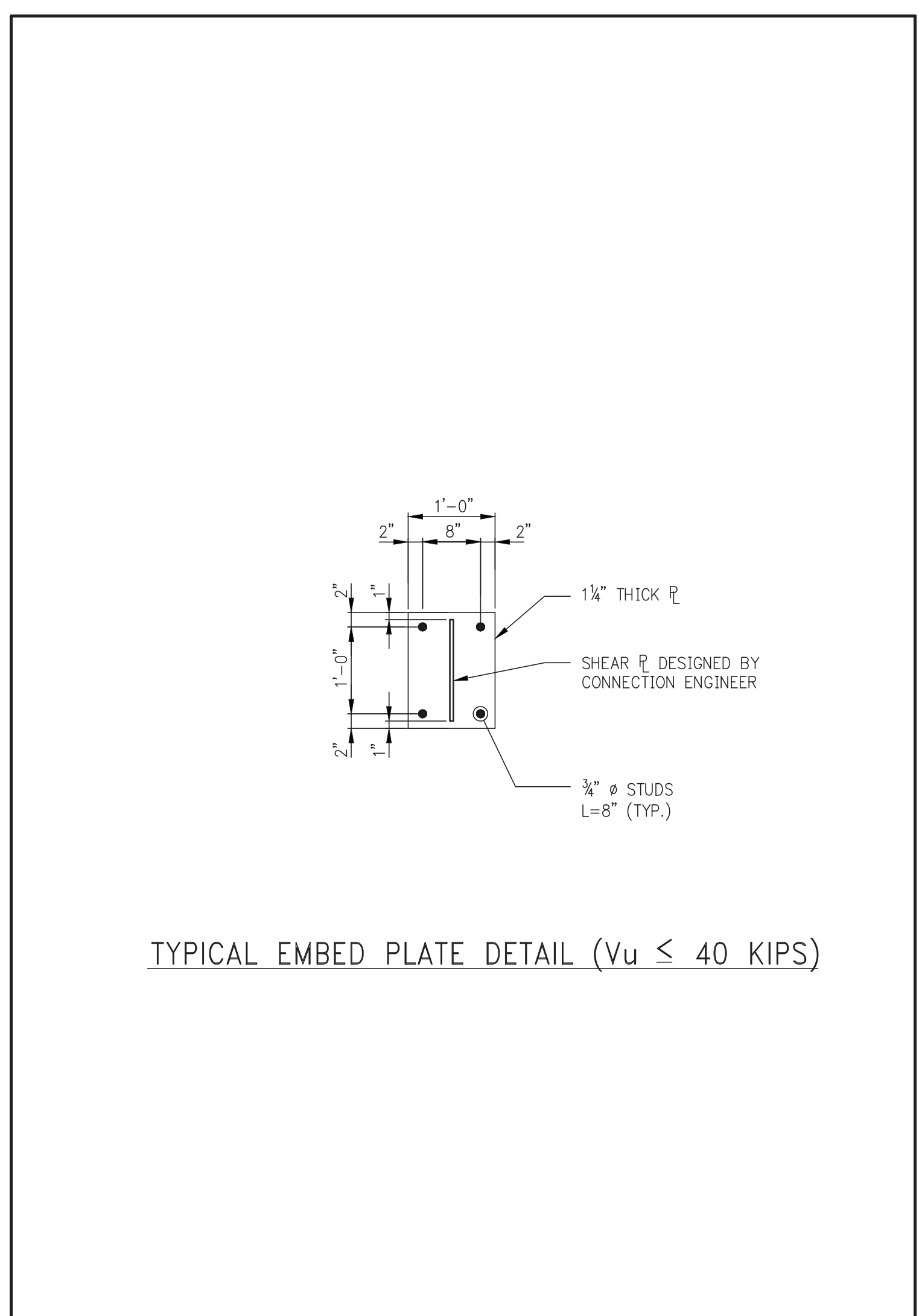
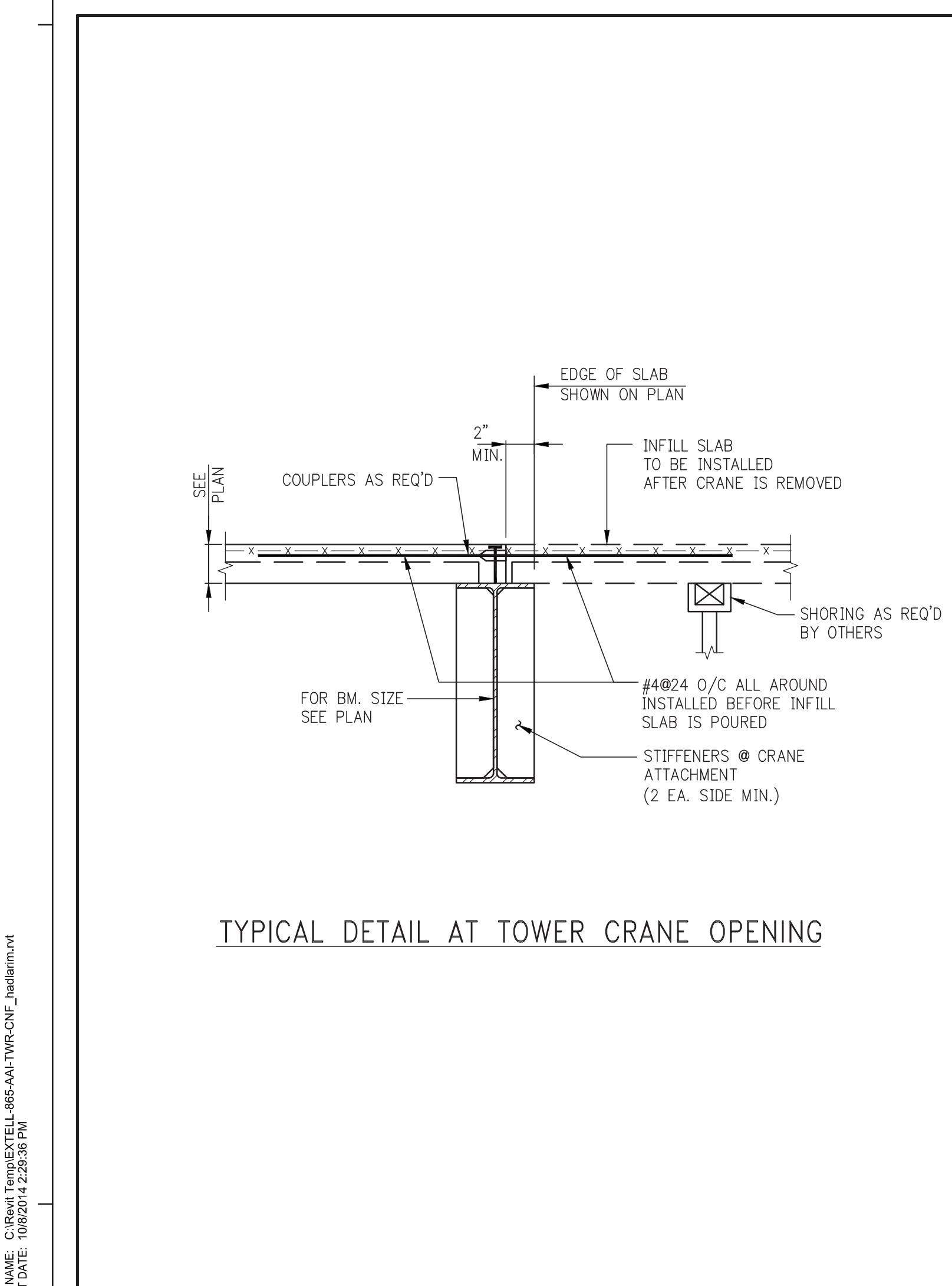
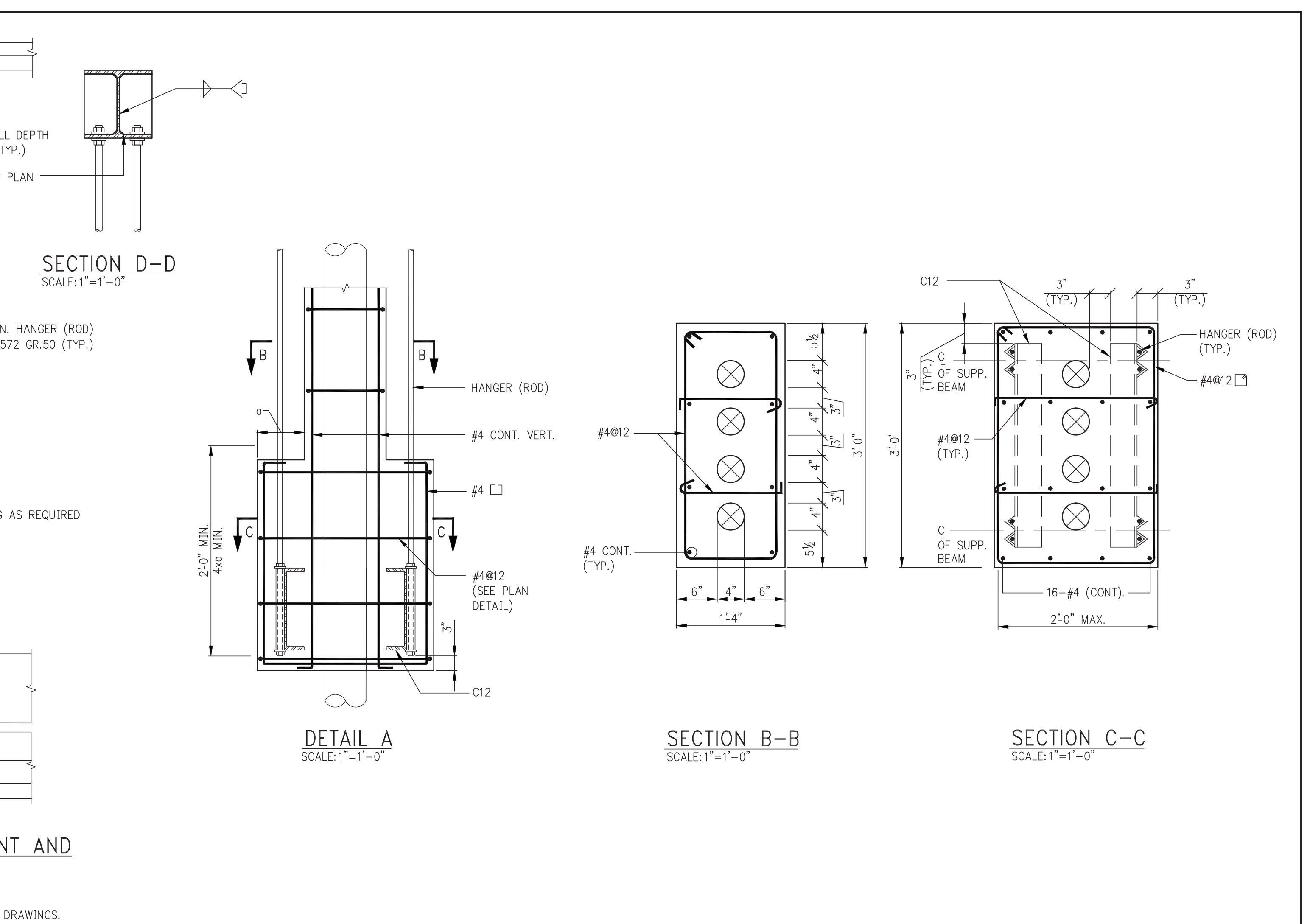
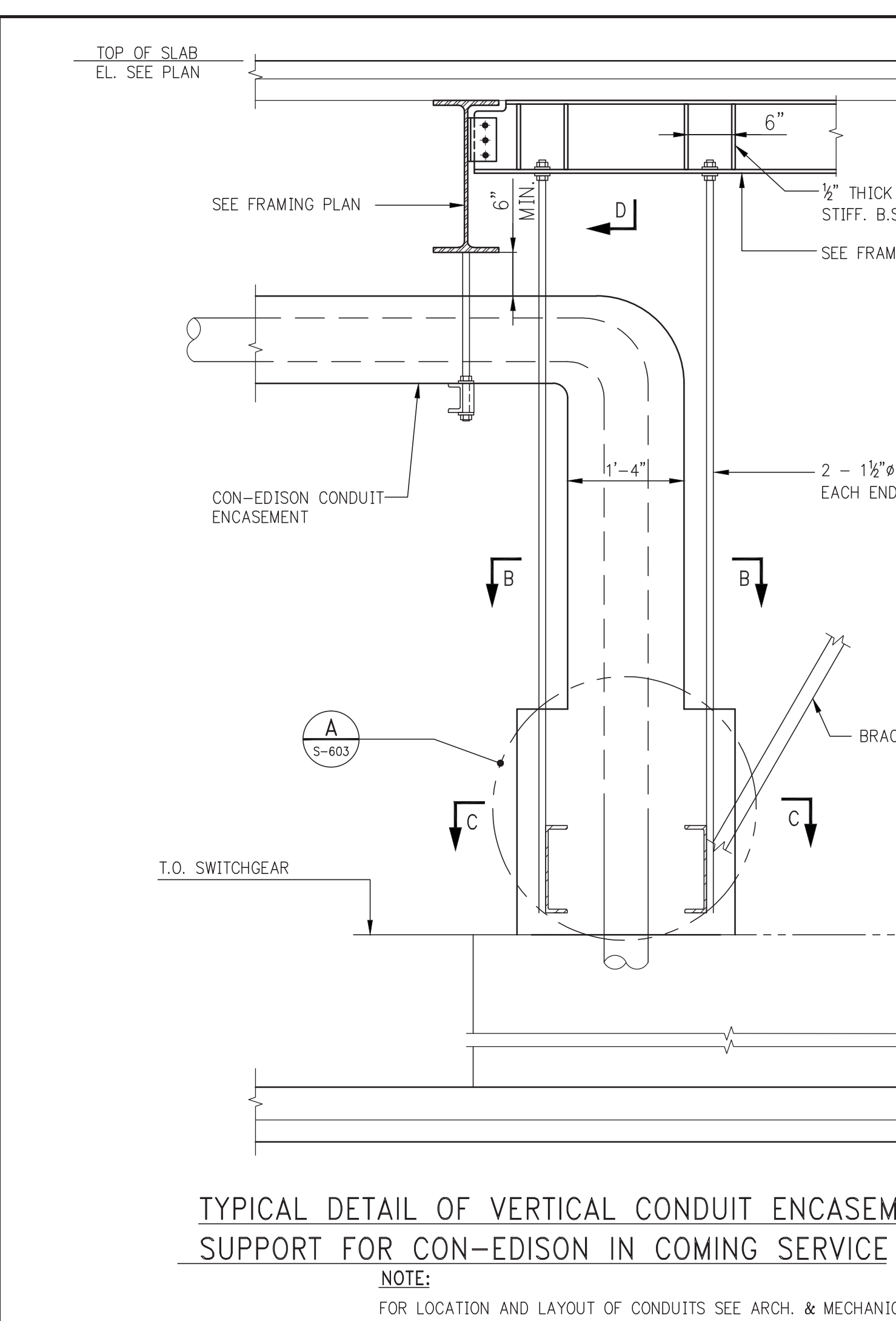
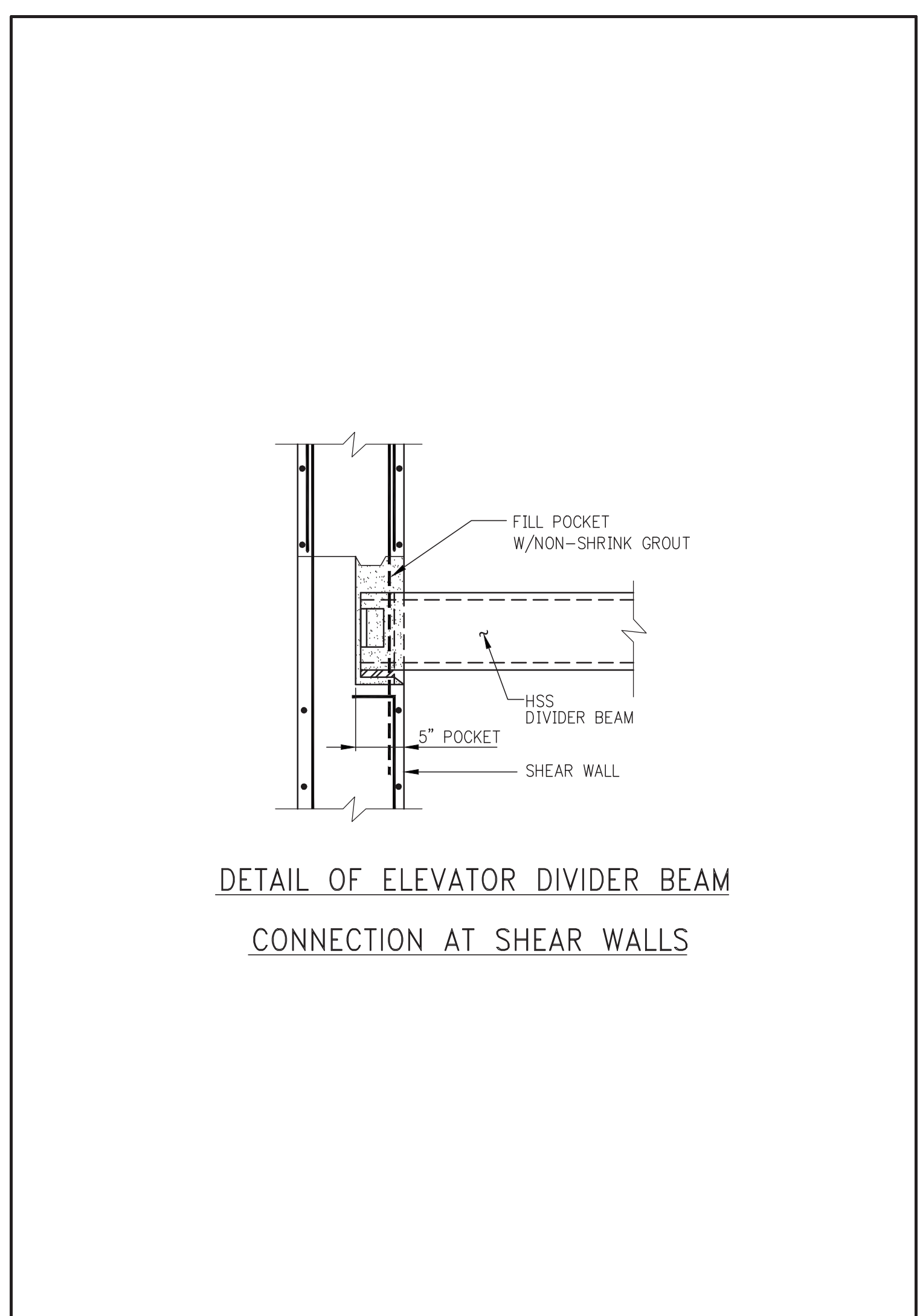
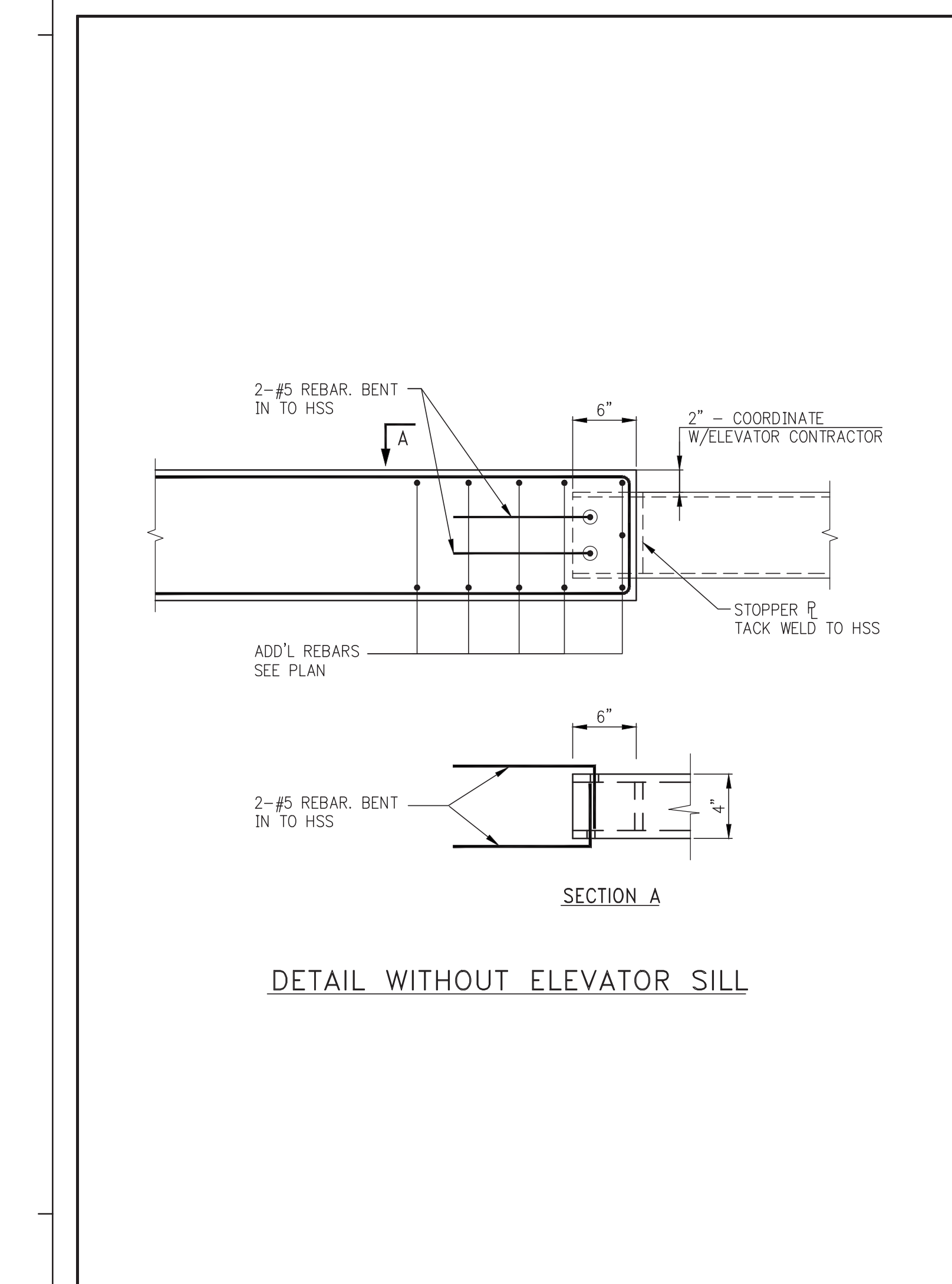
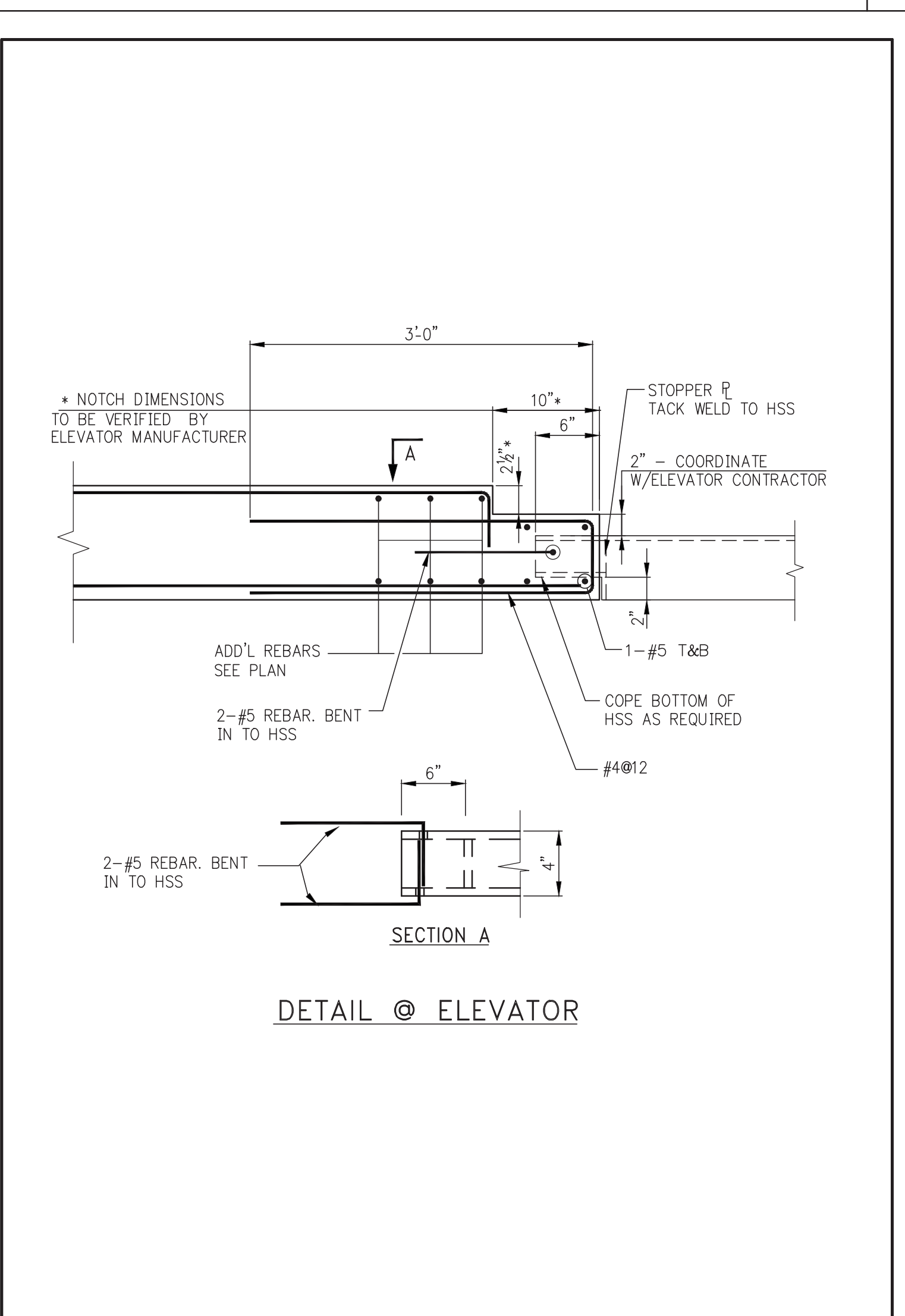
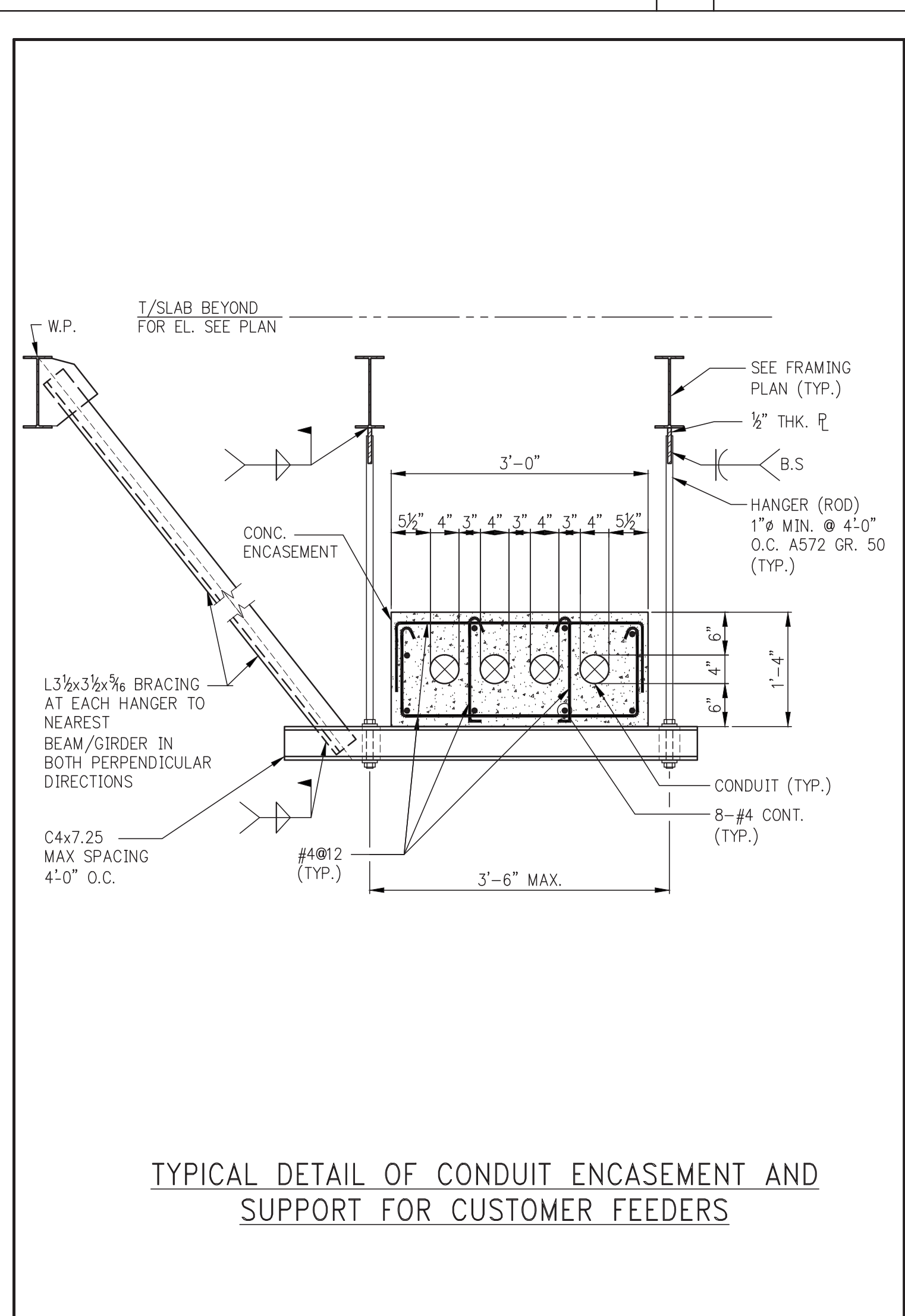
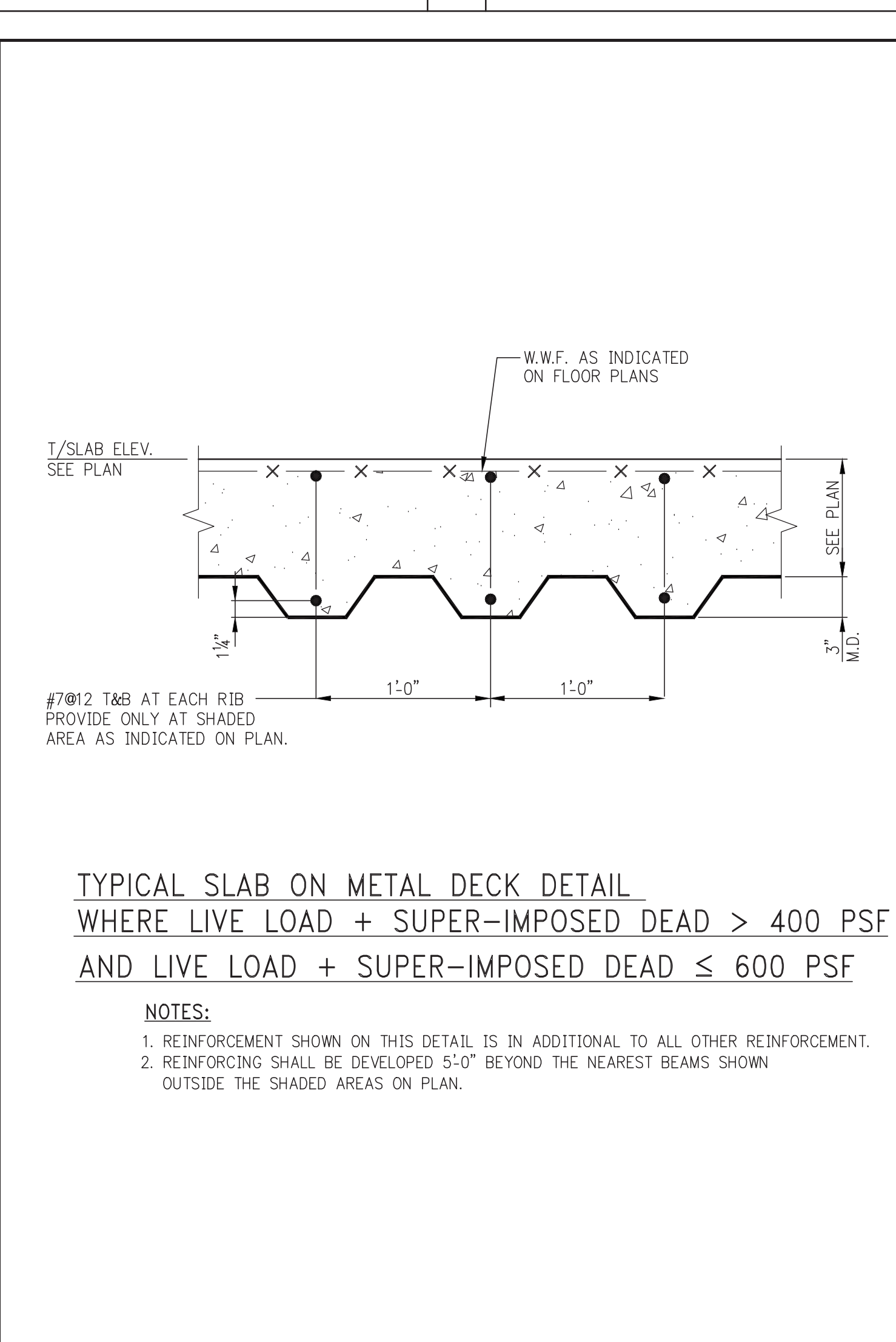
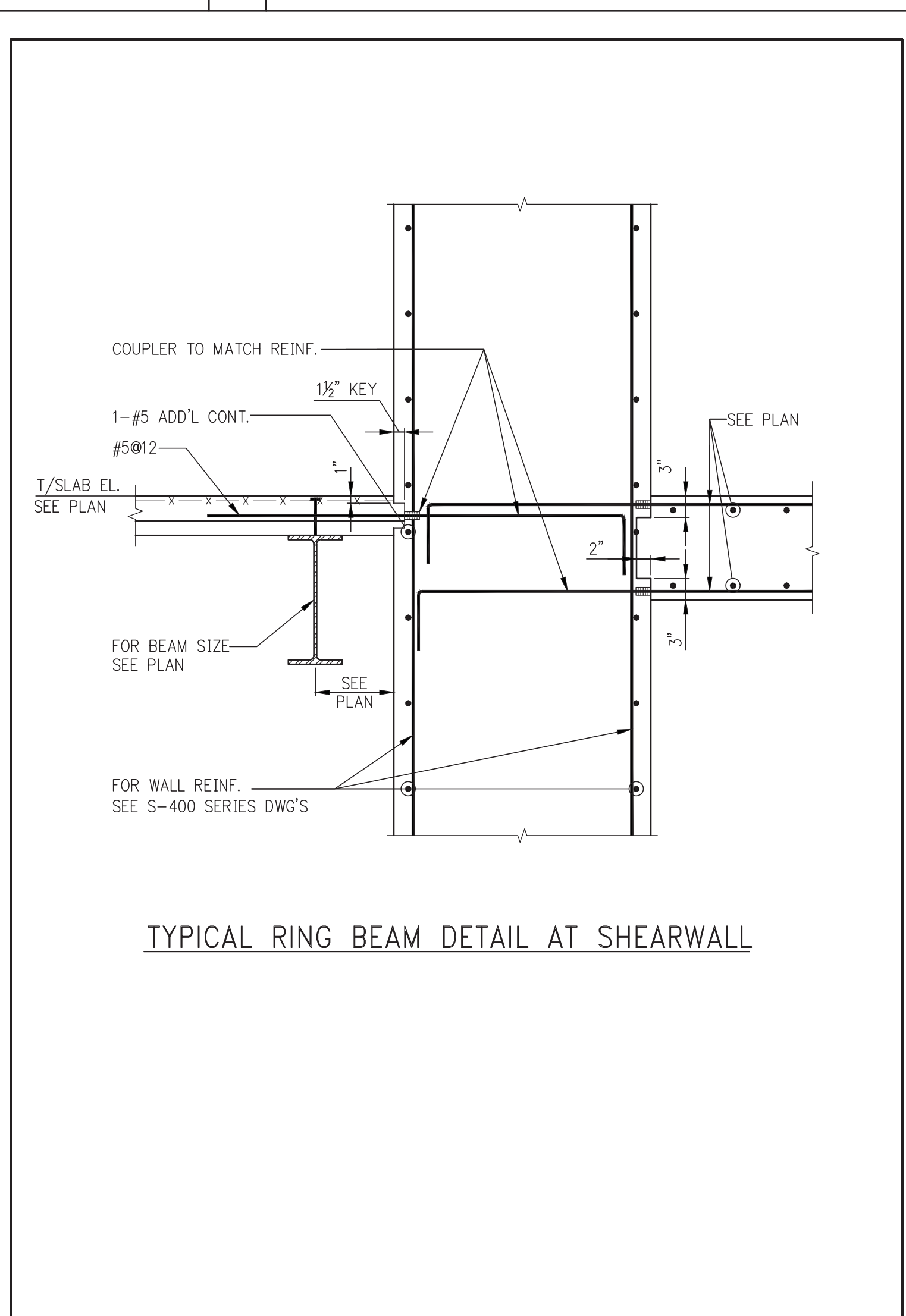
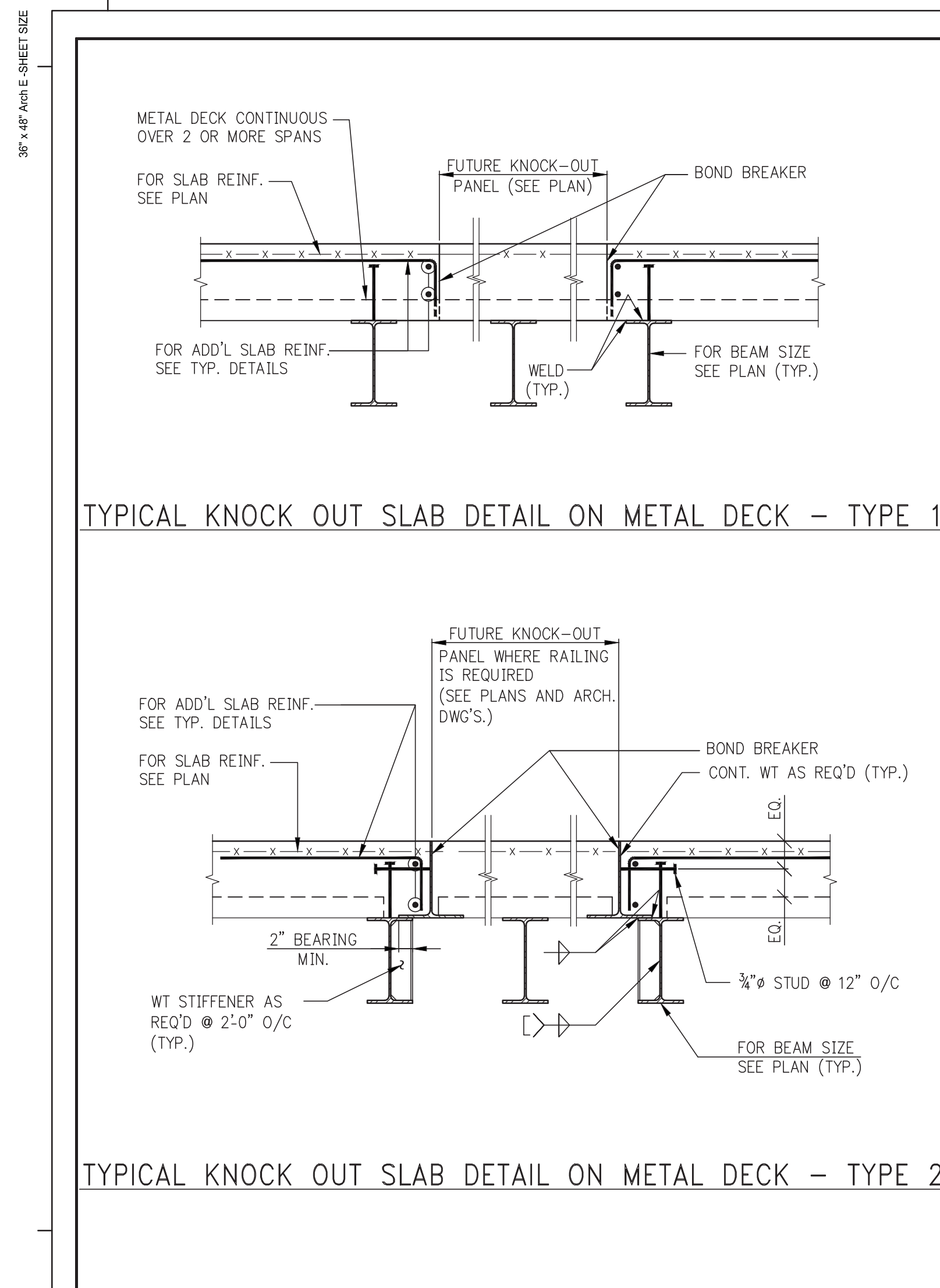
PROJECT: **217 WEST 57TH STREET**
NEW YORK, NY

DRAWING TITLE: **TYPICAL SUPERSTRUCTURE STEEL DETAILS 3**

DATE: 03/31/14
PROJECT NO: 2012185
DRAWN: CADD REV: 13
CHK: Y.E.
SCALE: AS INDICATED
DWG NO: **S-602.00**

DOB EMPLOYEE STAMP: DOB PAGE NO: of DOB 5-CAN:

SEAL & SIGNATURE: **WSP**



KEY PLAN
PROJECT #618
WEST 57TH ST
WEST 57TH ST
TRUE NORTH

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No.	DESCRIPTION	DATE
1	STEEL BID PACKAGE	05-22-2014
2	SUPERSTRUCTURE CONCRETE BID	06-02-2014
3	DESIGN DEVELOPMENT	07-01-2014
4	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
5	SE ZONE STEEL BID	08-20-2014
6	STRUCTURAL STEEL BID	09-15-2014
7	CD PROGRESS ISSUE 1	10-15-2014
8	ISSUED FOR CONSTRUCTION UP TO GROUND FL ONLY	10-17-2014
9	ISSUED FOR CONSTRUCTION UP TO 5TH FL ONLY	11-07-2014
10	DOB SUBMISSION	12-19-2014
11	CD PROGRESS ISSUE 2	12-19-2014
12	DOB SUBMISSION	02-05-2015

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www.wspgroup.com/usa

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

DRAWING TITLE: **TYPICAL SUPERSTRUCTURE STEEL DETAILS 4**

SCALE & SIGNATURE: DATE: 05/22/2014
PROJECT No: 2012185
DRAWN: CADD REV: 12
CHK: Y.E. SCALE: AS INDICATED
DWG No: **S-603.00**
DOB EMPLOYEE: of
DOB 9-SCAN:

SECTION

ELEVATION

PLAN DETAIL

STUB SCHEDULE

CONNECTED BEAM SECTION	STUB SECTION	WELD (in)	CONNECTION PLATE (tp x b x h (in))	BACK PLATE (tp x b x h (in))
W12x19	W12x45	3/8	3/4 x 14 x 20	1/2 x 11 x 15
W12x40	W12x45	3/8	3/4 x 14 x 20	1/2 x 11 x 15
W14x22	W14x22	3/8	3/4 x 10 x 20	1/2 x 10 x 16
W14x43	W14x43	3/8	1 x 12 x 20	1/2 x 10 x 16
W14x99	W14x120	3/8	1 x 20 x 22	3/4 x 17 x 17
W14x120	W14x120	3/8	1 x 20 x 22	3/4 x 17 x 17
W14x500	W14x500	1 1/8	3/8 x 22 x 26	2 1/4 x 19 x 22
W14x550	W14x550	1 1/8	4 x 22 x 28	2 1/2 x 20 x 23
W18x31	W18x45	3/8	3/4 x 12 x 24	1/2 x 10 x 19
W18x40	W18x40	3/8	3/4 x 12 x 24	1/2 x 10 x 20
W18x71	W18x71	3/8	1 x 16 x 26	1/2 x 14 x 21
W18x86	W18x86	3/8	1 x 16 x 26	1/2 x 14 x 21
W18x106	W18x106	3/8	1 x 16 x 26	1/2 x 14 x 21
W18x119	W18x119	3/8	1 1/4 x 16 x 26	3/4 x 14 x 21
W18x130	W18x130	3/8	1 1/4 x 16 x 26	3/4 x 14 x 22
W18x158	W18x158	3/8	1 1/2 x 16 x 26	1 x 14 x 22
W18x175	W18x175	3/8	1 1/2 x 16 x 26	1 x 14 x 22
W18x192	W18x192	3/8	1 1/2 x 16 x 28	1 x 14 x 23
W18x211	W18x211	3/8	2 x 16 x 28	1 1/4 x 14 x 23
W18x234	W18x234	3/8	2 1/4 x 16 x 28	1 1/4 x 14 x 24
W18x258	W18x258	3/8	2 1/2 x 16 x 28	1 1/2 x 14 x 24
W21x44	W21x44	3/8	3/4 x 14 x 28	1/2 x 11 x 23
W21x60	W21x60	3/8	3/4 x 14 x 28	1/2 x 11 x 23
W24x55	W24x55	3/8	1 x 14 x 32	1/2 x 12 x 27
W24x68	W24x68	3/8	1 x 14 x 32	1/2 x 12 x 27
W24x76	W24x76	3/8	1 x 14 x 32	1/2 x 12 x 27
W24x84	W24x84	3/8	1 x 14 x 32	1/2 x 12 x 27
W24x146	W24x146	3/8	1 1/4 x 18 x 32	3/4 x 15 x 27
W24x162	W24x162	3/8	1 1/4 x 18 x 32	3/4 x 15 x 27
W24x335	W24x335	3/8	2 x 22 x 44	1 1/4 x 19 x 40
W27x539	W27x539	1 1/8	3 3/4 x 20 x 40	1 x 18 x 35
W30x90	W30x90	3/8	3/4 x 16 x 36	1/2 x 13 x 32
W30x99	W30x99	3/8	3/4 x 16 x 36	1/2 x 13 x 32
W30x108	W30x108	3/8	3/4 x 16 x 36	1/2 x 13 x 32
W30x132	W30x132	3/8	1 1/4 x 20 x 38	3/4 x 17 x 33
W30x148	W30x148	3/8	1 1/4 x 16 x 36	1/2 x 13 x 33
W30x170	W30x170	3/8	1 1/4 x 16 x 36	1/2 x 13 x 33
W30x182	W30x182	3/8	1 1/4 x 16 x 36	1/2 x 13 x 33
W30x263	W30x263	3/8	1 1/4 x 20 x 42	1 x 16 x 37
W36x135	W36x135	3/8	2 x 22 x 44	1 1/4 x 19 x 40
W36x160	W36x160	3/8	1 1/4 x 16 x 42	3/4 x 14 x 38
W36x170	W36x170	3/8	2 1/4 x 22 x 46	1 1/4 x 19 x 41
W36x182	W36x182	3/8	2 1/4 x 22 x 46	1 1/4 x 19 x 41
W36x194	W36x194	3/8	2 1/2 x 22 x 46	1 1/2 x 19 x 41
W36x210	W36x210	3/8	2 1/2 x 22 x 46	1 1/2 x 19 x 41
W36x231	W36x231	3/8	2 3/4 x 22 x 46	1 1/2 x 20 x 42

NOTES:
 1. WHERE WALL THICKNESS, 1, IS LESS THAN 36" AND RETURN WALL ABSENT ON BACK FACE, REDUCE EMBEDMENT TO 1'-4".
 2. FOR WELDS MARKED "*", SEE STUB SCHEDULE FOR SIZE.
 3. DETAIL IS NOT FOR USE AT MOMENT-CONNECTED BEAMS.

TYPICAL EMBEDDED PLATE ("EP") DETAIL (ALONG LINES C & L)

SECTION

PLAN DETAIL

NOTES:
 1. SEE PLAN FOR LOCATIONS.
 2. PACKOUT TO BE DRYPACKED SOLID AFTER INSTALLATION AND INSPECTION OF STEEL. USE HIGH-STRENGTH NON-SHRINK GROUT.

TYPICAL EXTENDED STUB ("ES") DETAIL (VALID AT C/5, FLOORS 6, 7, 8, AND GROUND FLOOR LINE L)

DAVIT DETAIL 1
 (ENTIRELY ON BEAM - NO ECCENTRICITY)
 NOTE: FIREPROOFING NOT SHOWN, DECK NOT SHOWN

DAVIT DETAIL 2
 (OUTBOARD OF CENTERLINE OF SPANDREL BEAM)

SECTION A
 NOTE: DAVIT OUTBOARD OF C OF SPANDREL

DAVIT DETAIL 3
 (INBOARD OF CENTERLINE OF SPANDREL BEAM)

SECTION B
 NOTE: DAVIT INBOARD OF C OF SPANDREL

DAVIT DETAIL 4
 (DAVIT OVER COLUMN)

DAVIT DETAIL 5
 (DAVIT INBOARD OF COLUMN - LARGE ECCENTRICITY)

SECTION C
 NOTE: DAVIT INBOARD OF COLUMN - LARGE ECCENTRICITY

DAVIT DETAIL 6
 (DAVIT INBOARD OF COLUMN - SMALL ECCENTRICITY)

DAVIT DETAIL 7
 (DAVIT OUTBOARD OF COLUMN)

SECTION D
 NOTE: DAVIT INBOARD OF COLUMN - SMALL ECCENTRICITY

SECTION E
 NOTE: DAVIT OUTBOARD OF COLUMN

DAVIT DETAIL 8
 (DAVIT INBOARD OF COLUMN - LARGE ECCENTRICITY)

SECTION F
 NOTE: DAVIT INBOARD OF COLUMN - LARGE ECCENTRICITY

KEY PLAN

PROJECT NORTH

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 EXTLL DEVELOPMENT COMPANY
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No.	DESCRIPTION	DATE
1	STRUCTURAL STEEL BID	09-15-2014
2	STRUCTURAL STEEL BID - ADDENDUM	10-01-2014
3	CD PROGRESS ISSUE 1	10-15-2014
4	ISSUED FOR CONSTRUCTION UP TO GROUND FL ONLY	10-17-2014
5	DOB SUBMISSION	12-19-2014
6	ISSUED FOR 8TH FLOOR MILL ORDER - PHASE 1	01-14-2015
7	DOB SUBMISSION	02-05-2015

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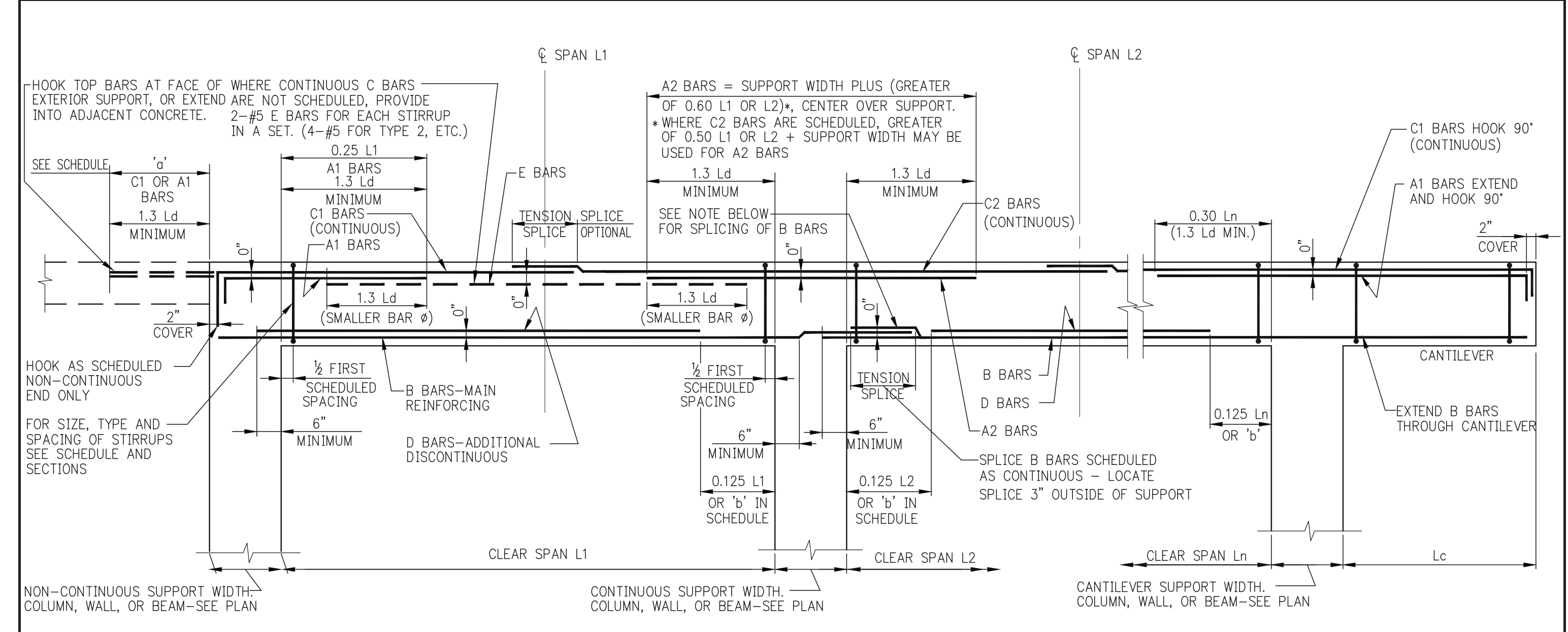
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PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:
TYPICAL SUPERSTRUCTURE STEEL DETAILS 5

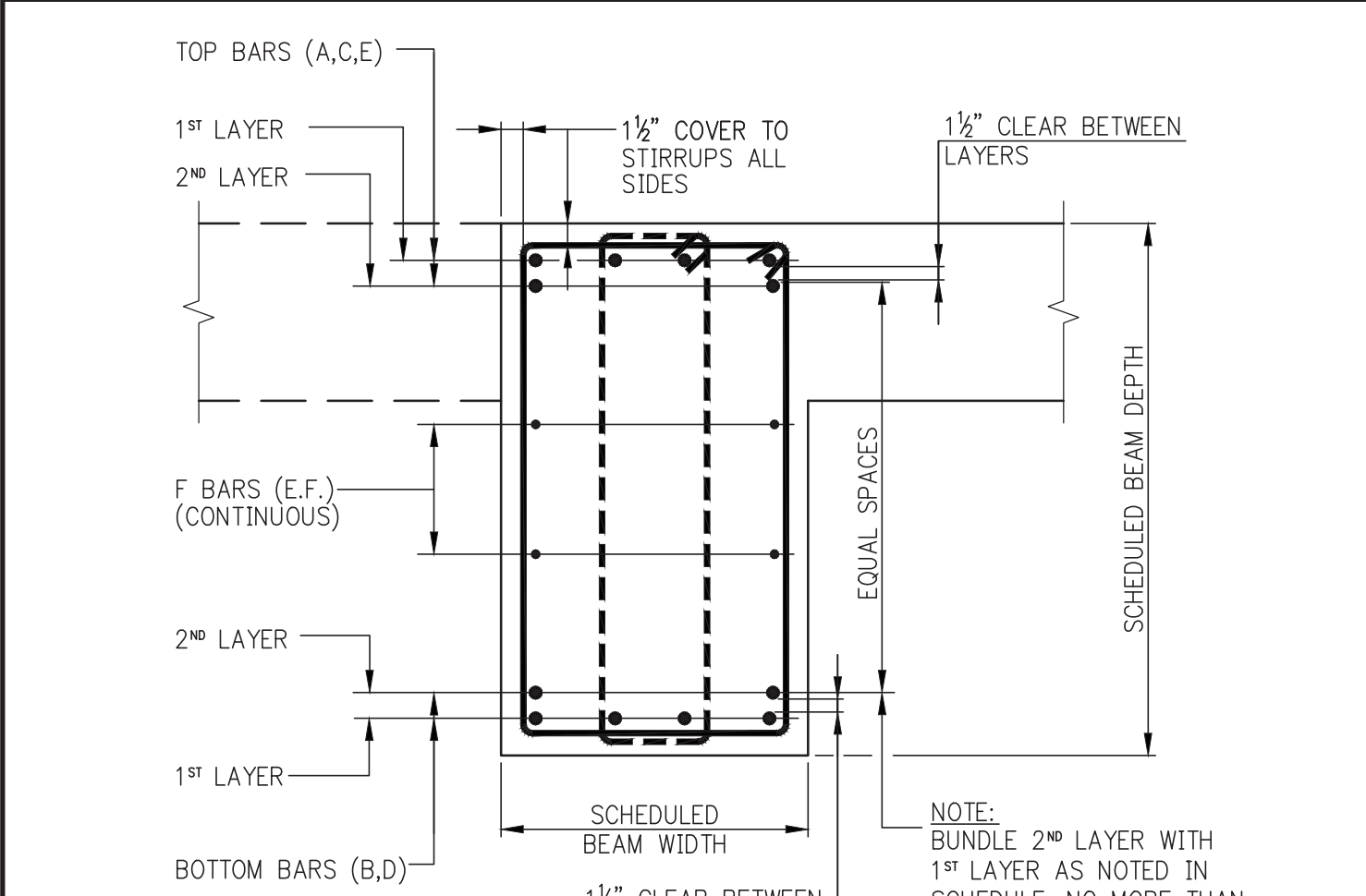
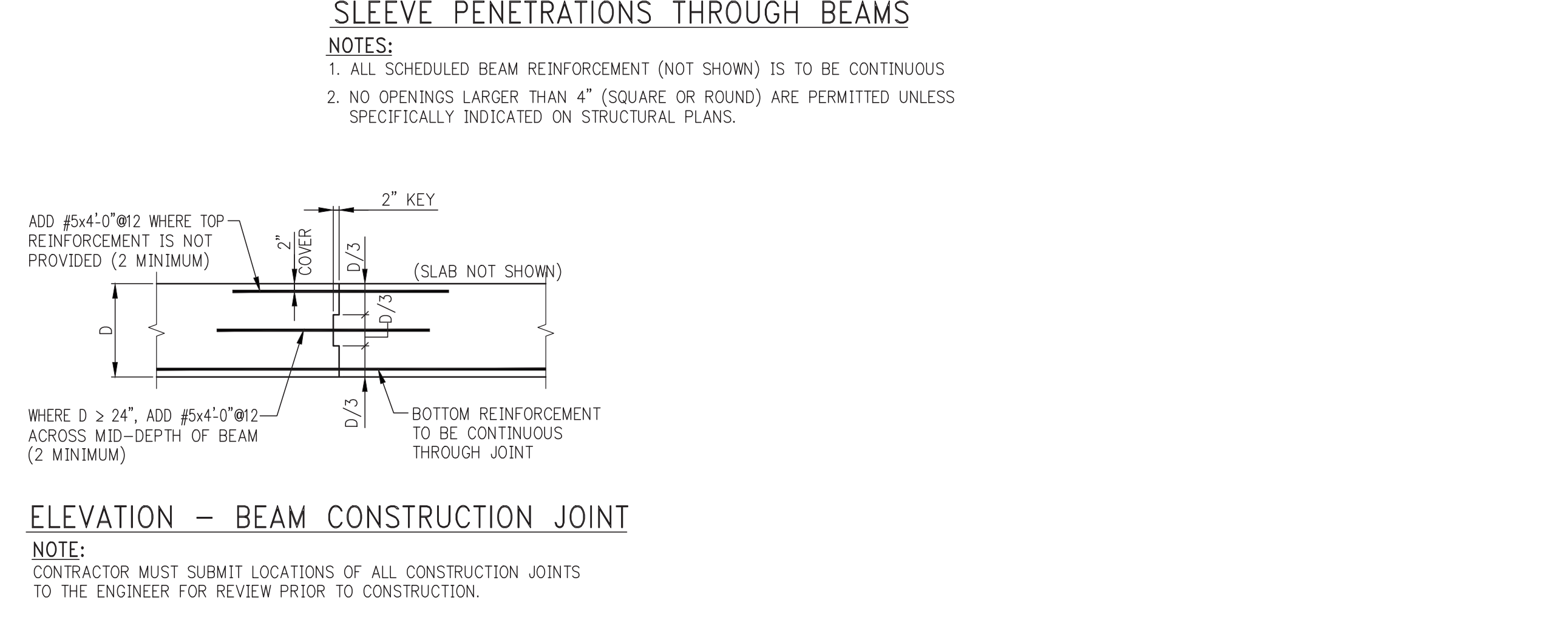
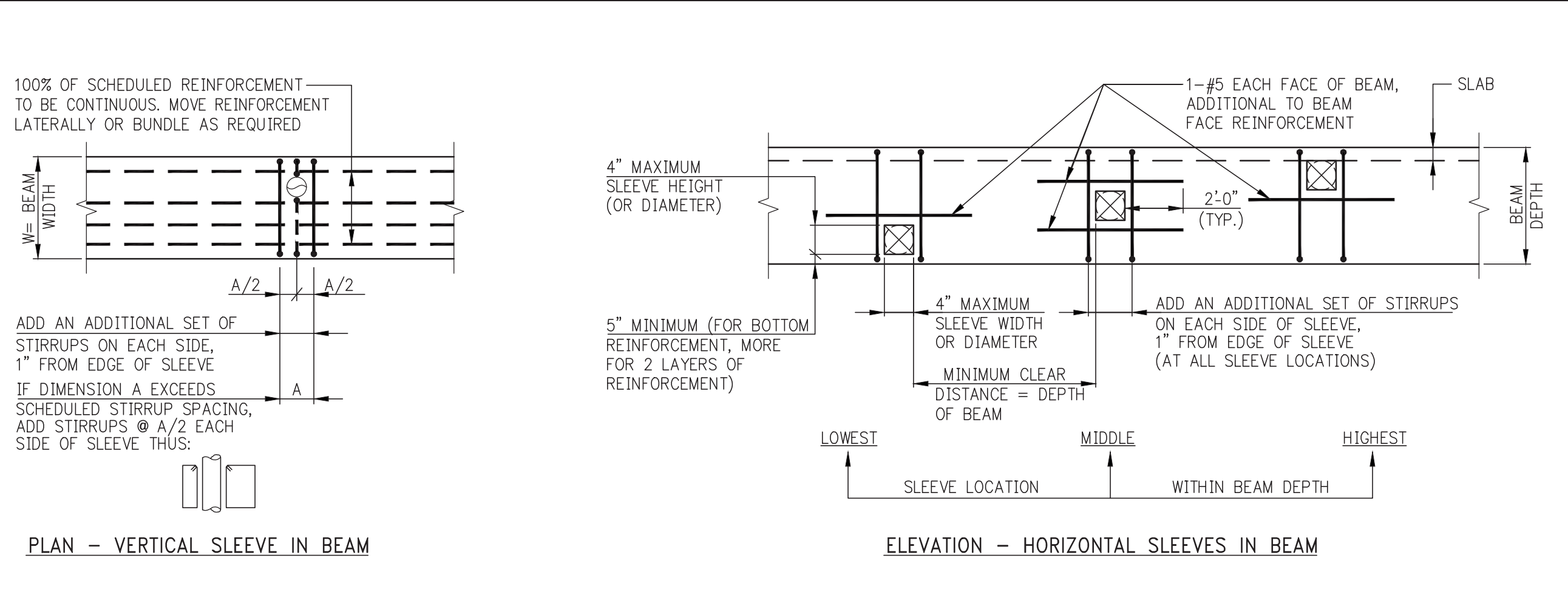
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 SCALE: AS INDICATED
 DWG No: **S-604.00**
 DOB EMPLOYEE ID: of DOB 5-CAN:



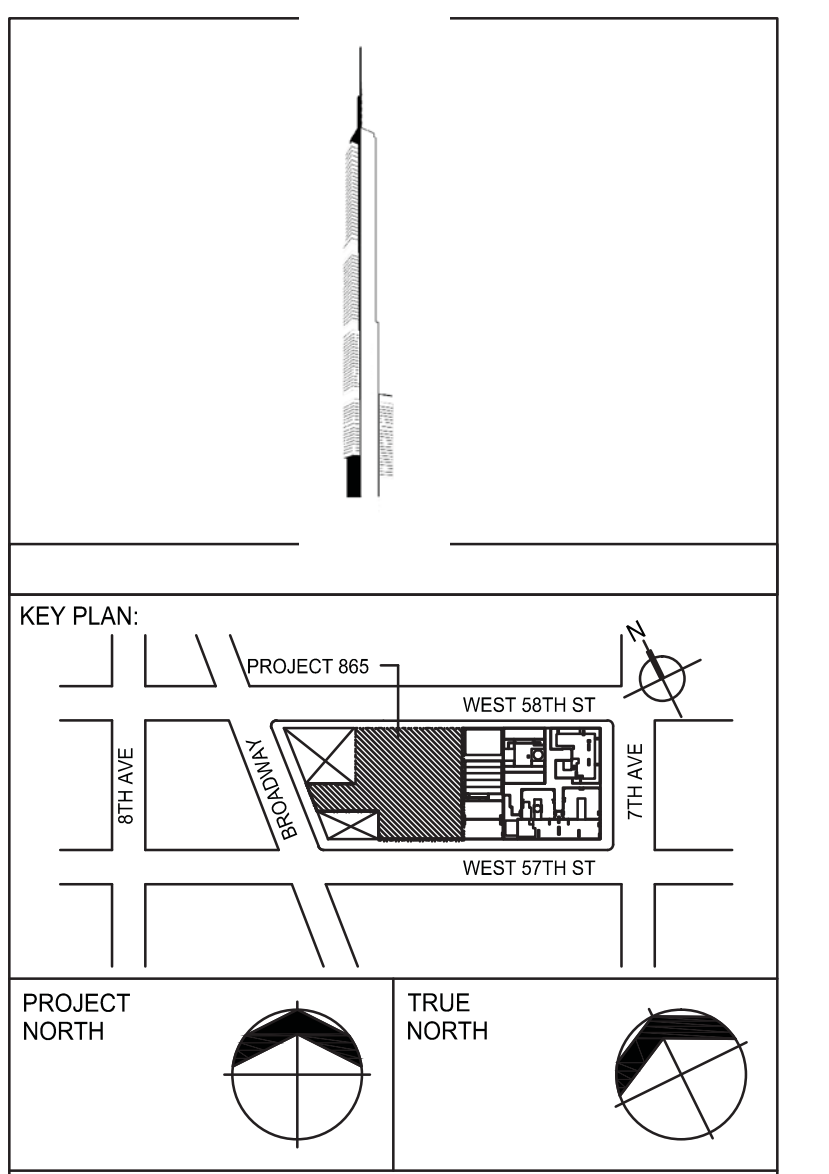
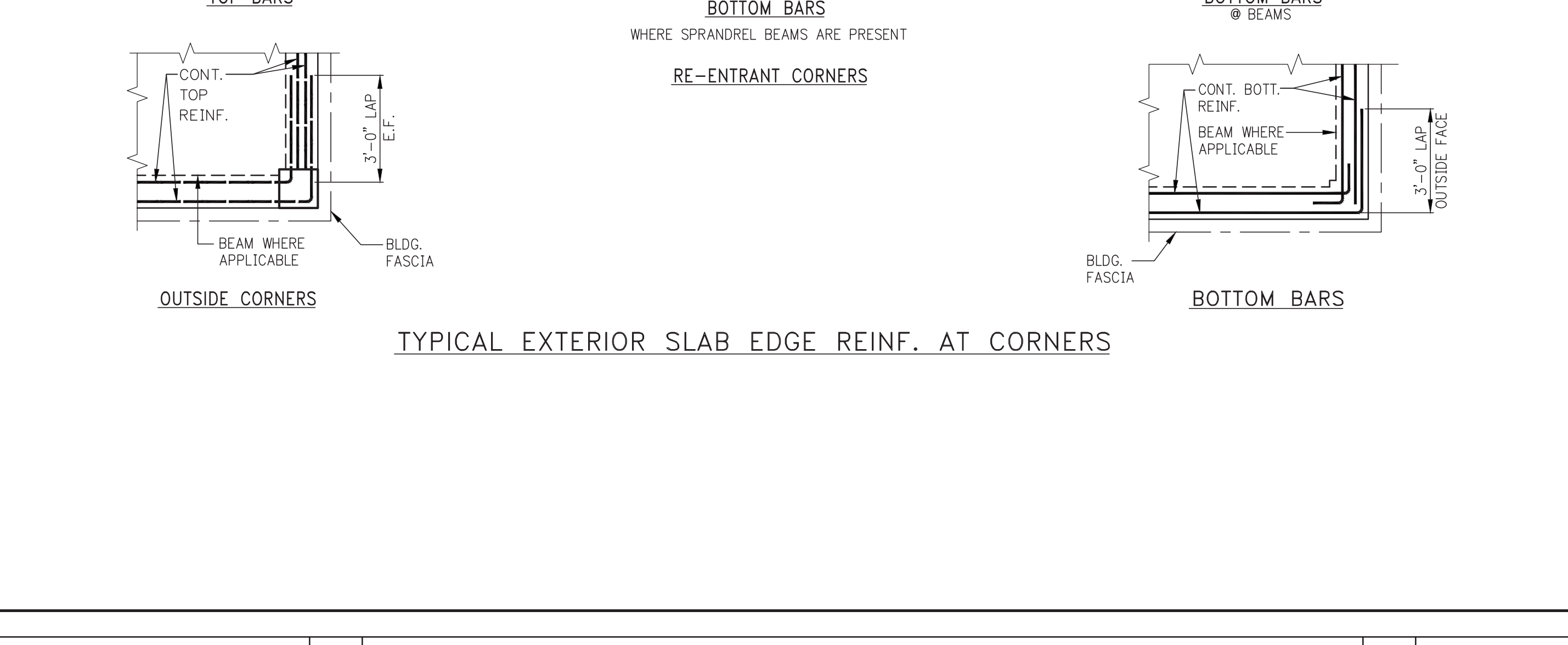
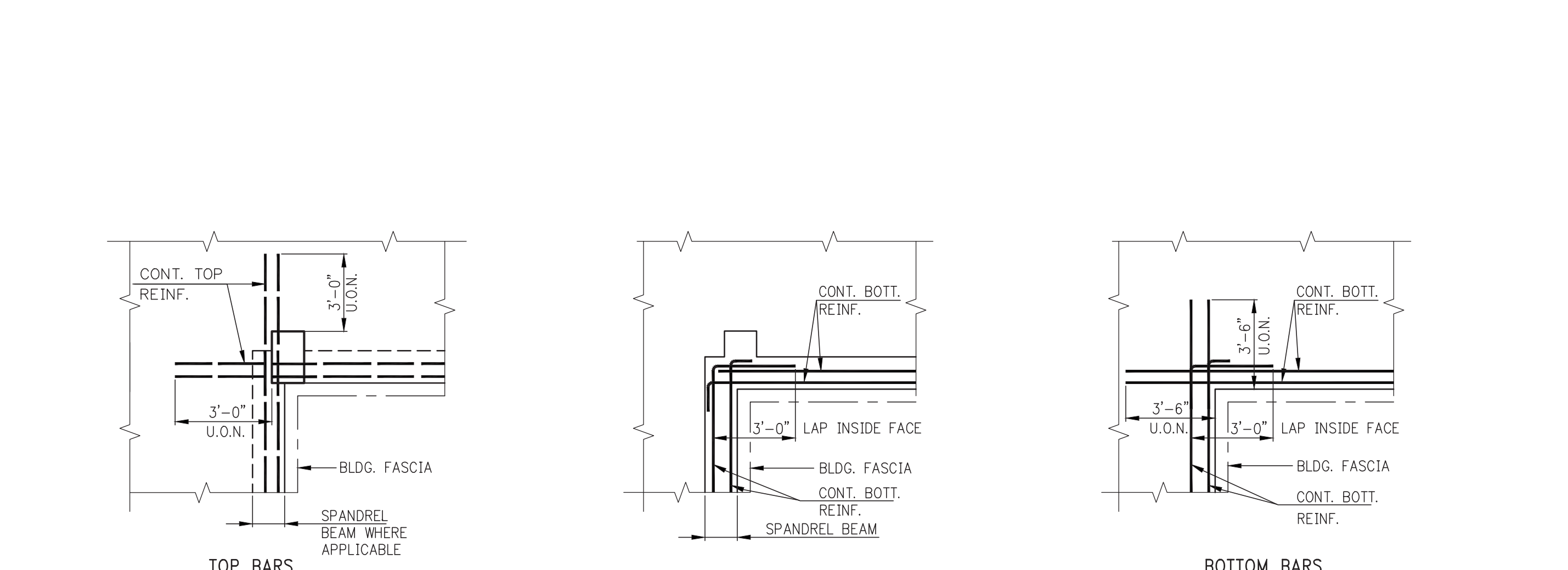
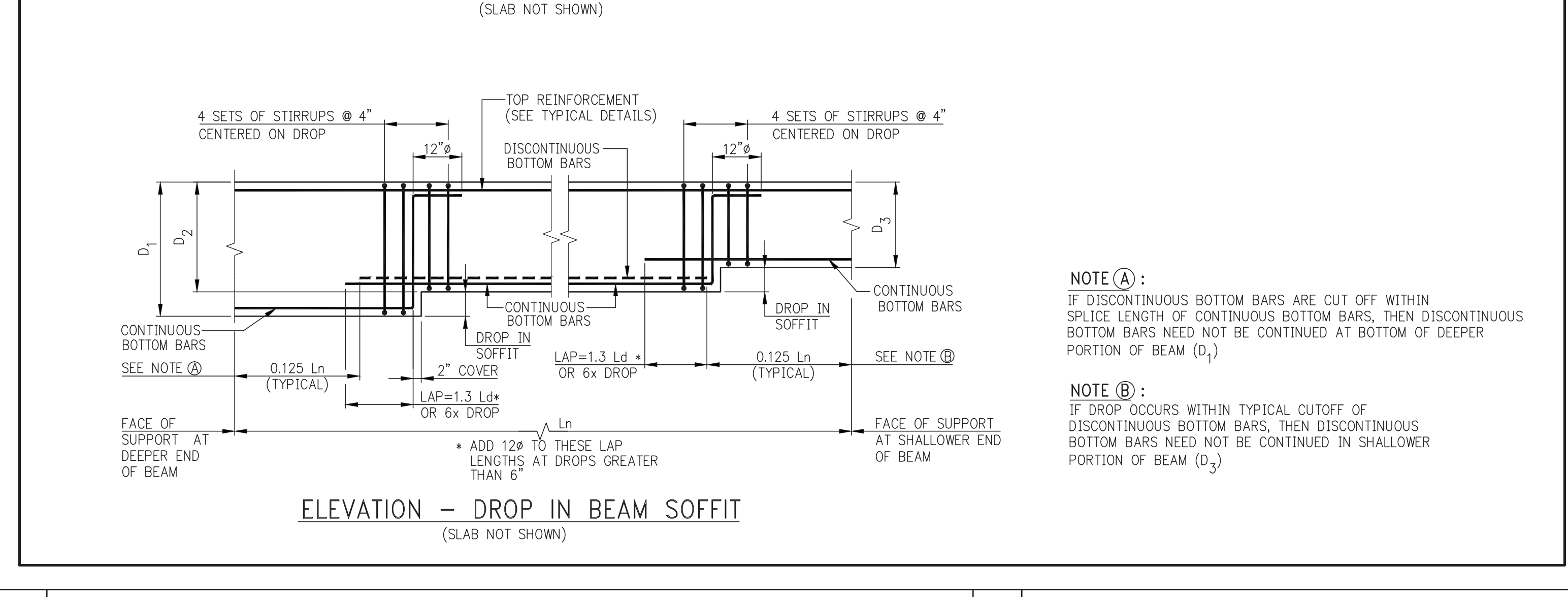
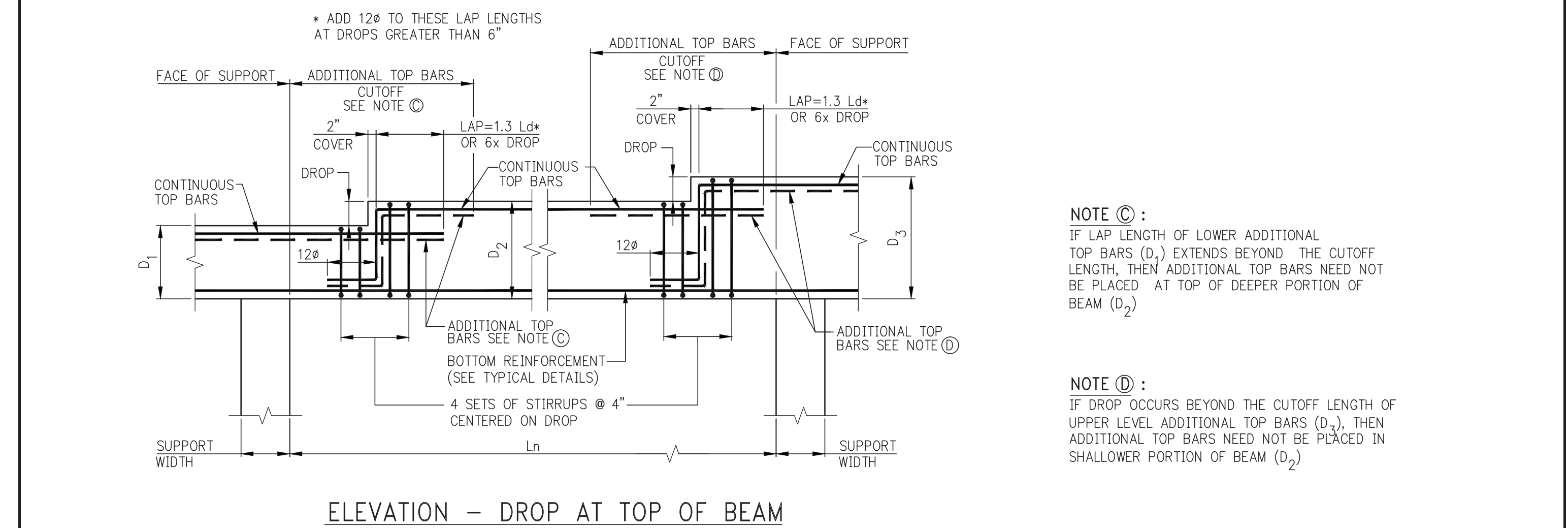
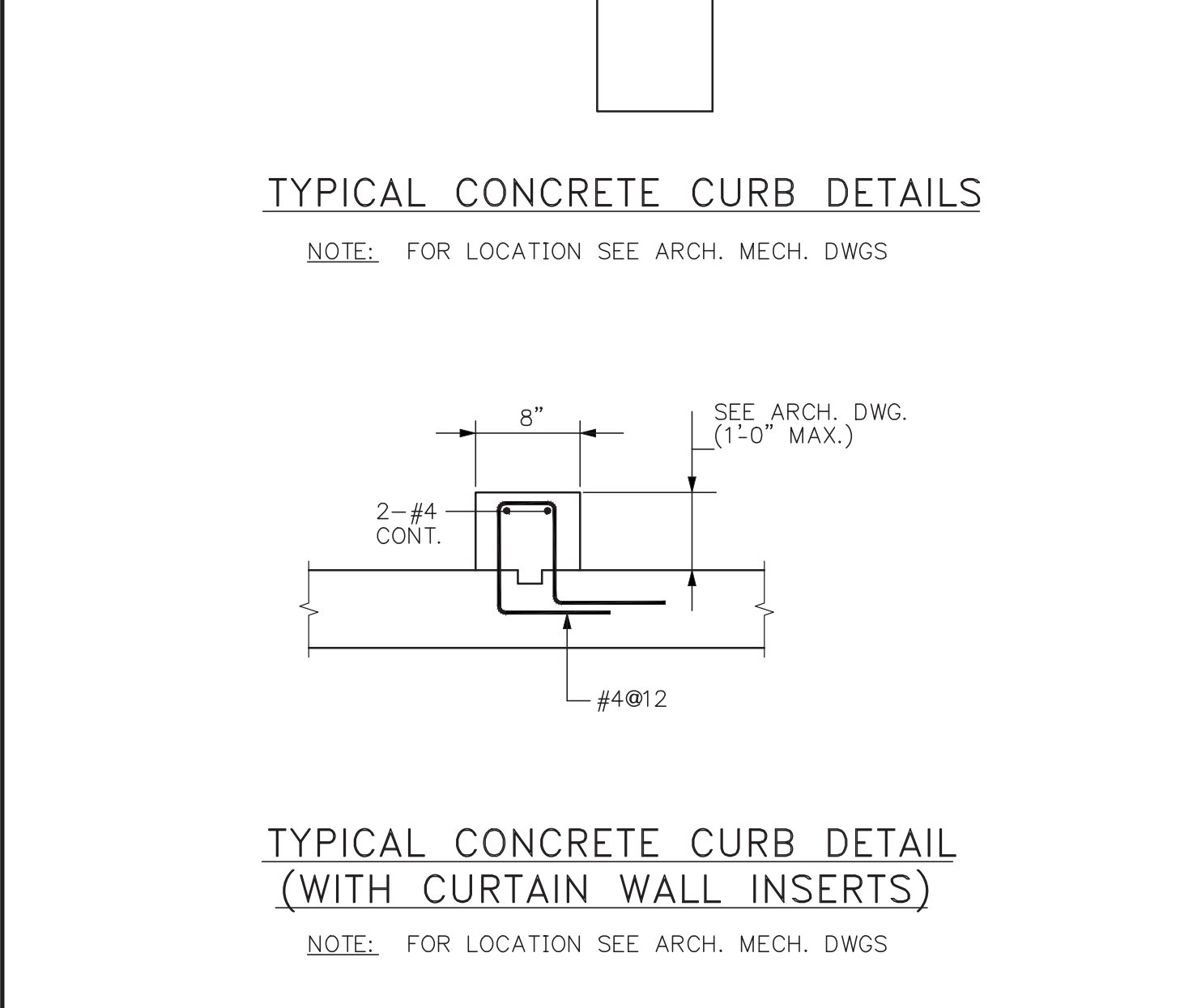
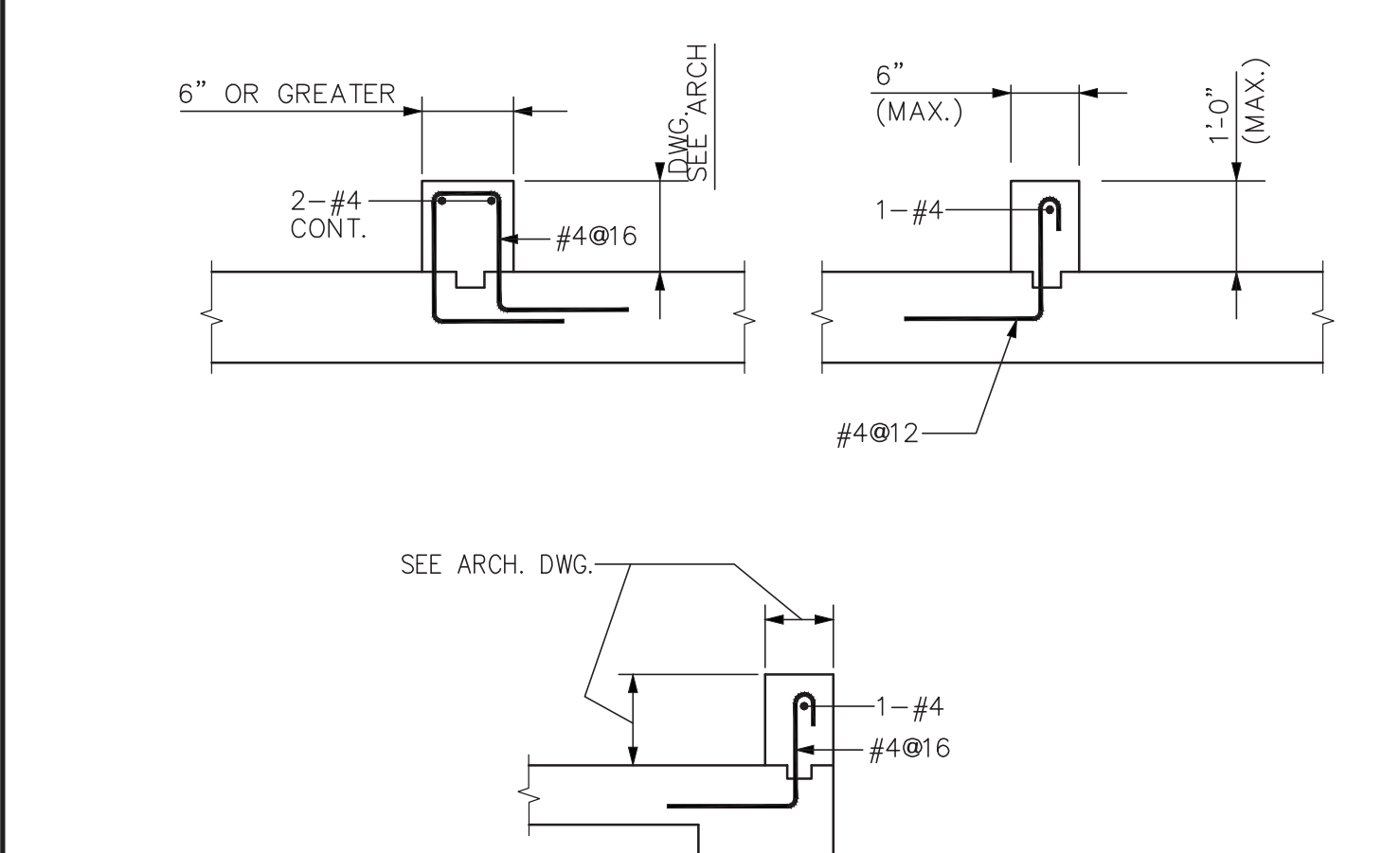
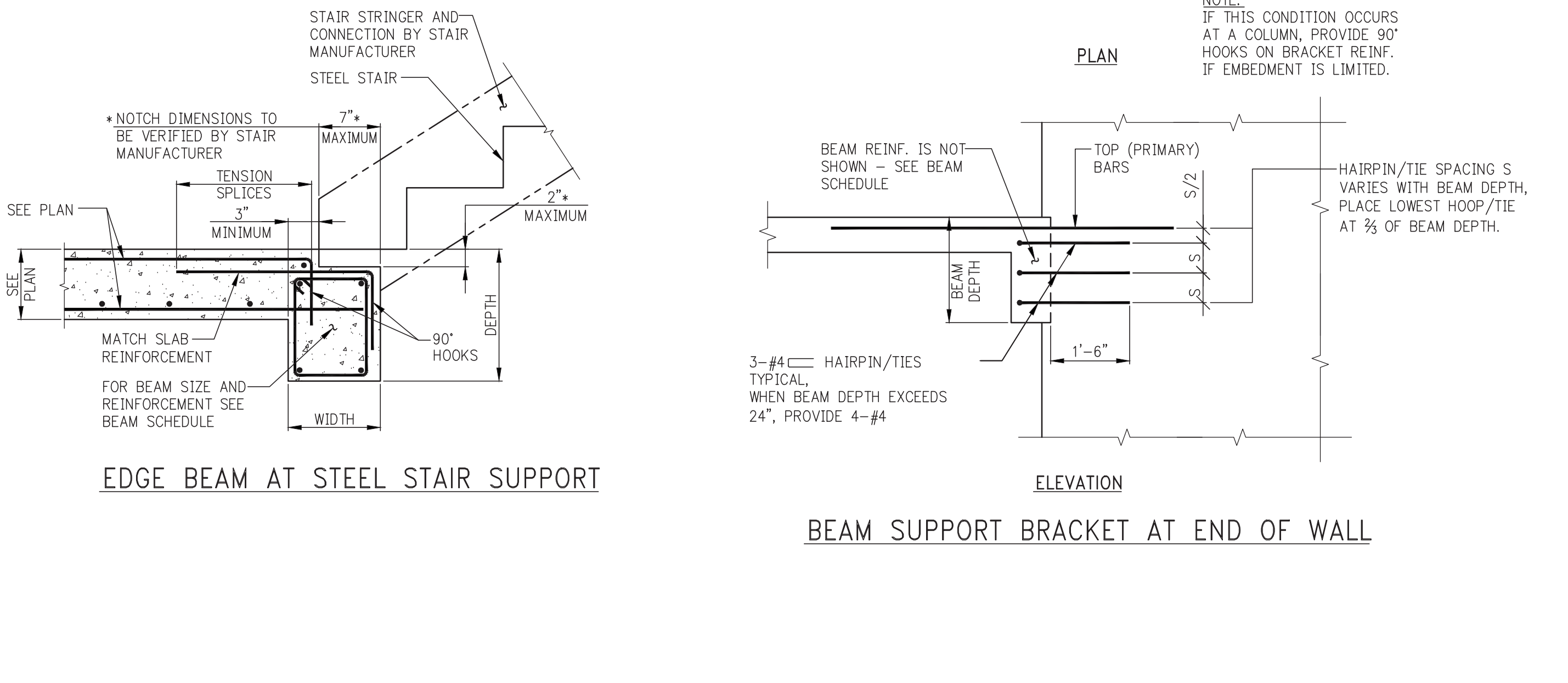
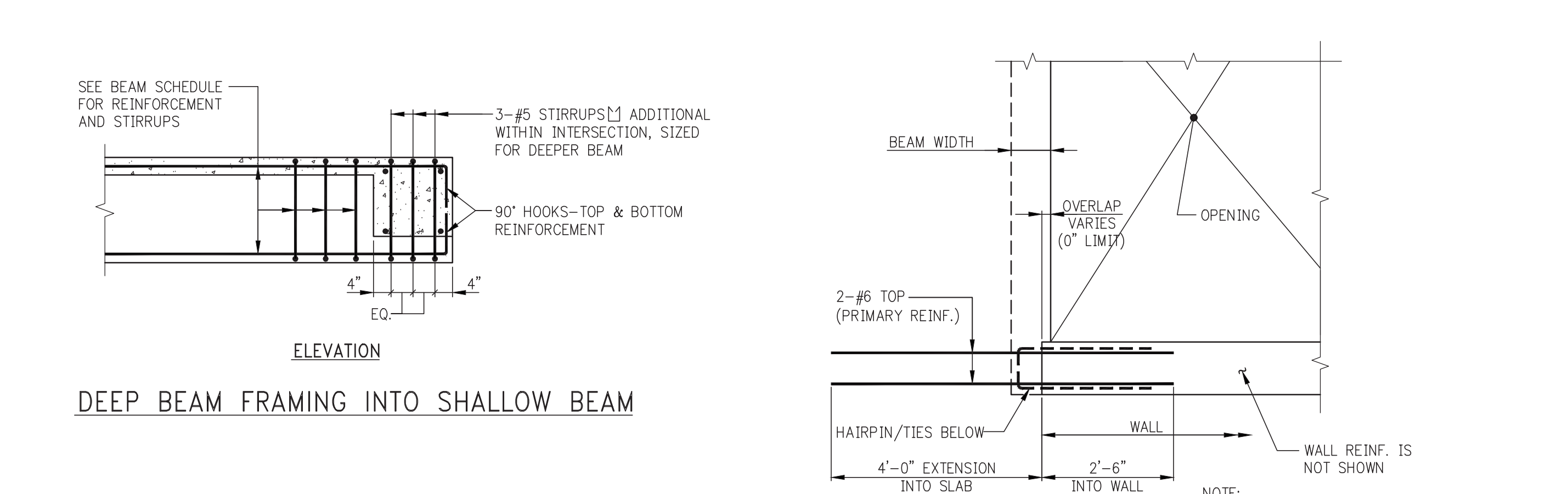
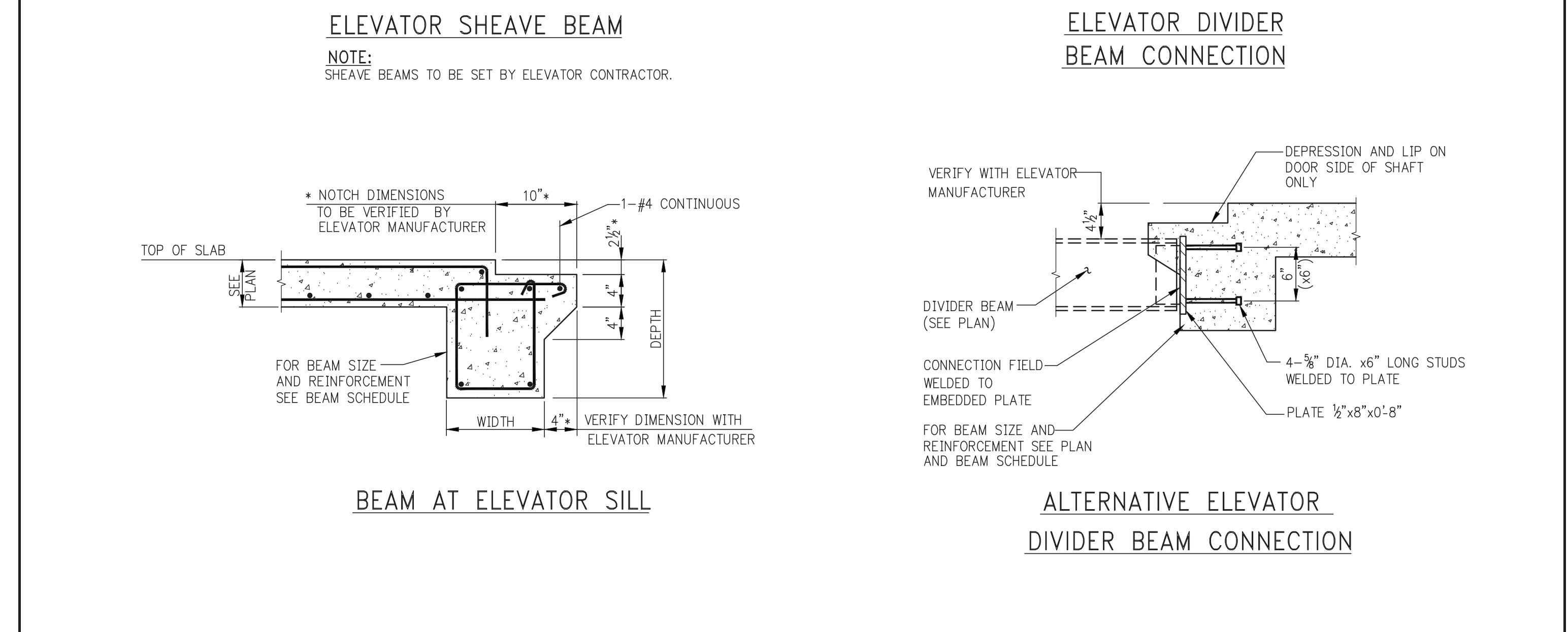
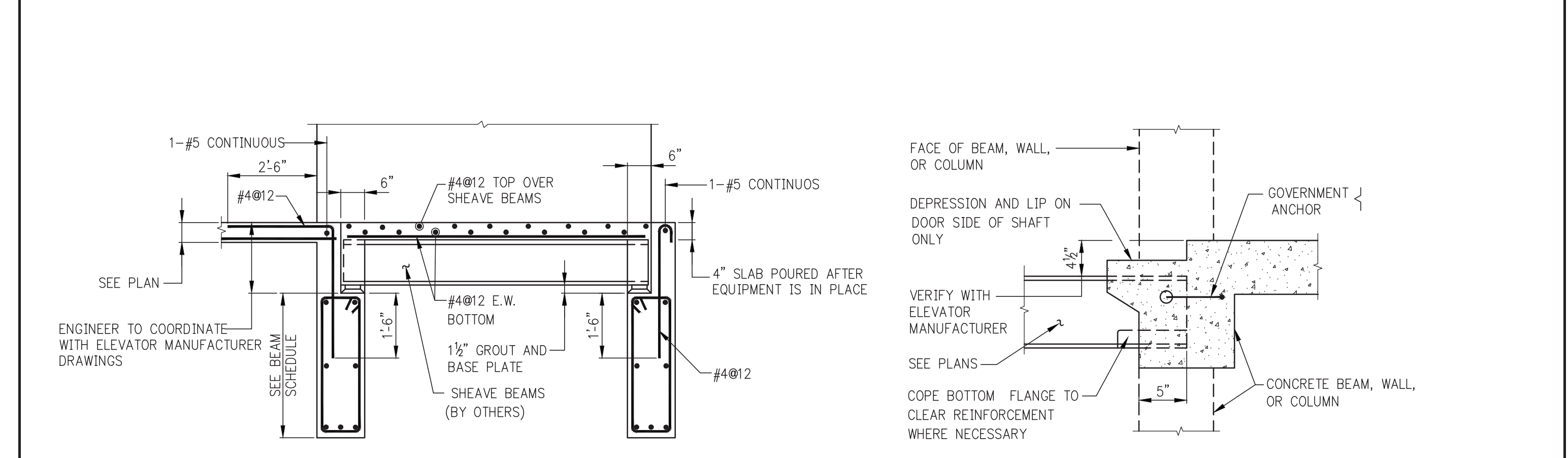
MINIMUM SHEAR REINFORCEMENT FOR DEEP BEAMS ($D > L_n/4$)

b-BEAM WIDTH	MINIMUM STIRRUPS (Av) (SPACING = S)	MINIMUM F BARS (Av) (SPACING = S2)
UP TO 12"	1-#3 @ 12" MAX.	#4 E.F. @ 12" MAX.
12" TO 24"	2-#4 @ 12" MAX.	#4 E.F. @ 12" MAX.
24" TO 36"	3-#4 OR 2-#5 @ 12" MAX.	#5 E.F. @ 12" MAX.
36" TO 42"	2-#5 @ 12" MAX.	#5 E.F. @ 12" MAX.
42" TO 48"	4-#4 OR 3-#5 @ 12" MAX.	#6 E.F. @ 12" MAX.
OVER 48"	DESIGNER TO PROVIDE	

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



- NOTES:**
- WHERE BARS ARE PLACED IN TWO LAYERS THE MINIMUM CLEAR DISTANCE BETWEEN LAYERS SHALL BE 1 $\frac{1}{2}$ ".
 - BEAM REINFORCEMENT SHALL BE LOCATED LATERALLY AS REQUIRED TO CLEAR COLUMN VERTICAL REINFORCEMENT.
 - WHERE BEAMS MEET AND CROSS EACH OTHER AT A SUPPORT, THE SMALLER BEAM SHALL HAVE ITS TOP REINFORCEMENT PLACED IN THE OUTERMOST (TOP) LAYER.
 - IN THE EVENT ONE CROSSING BEAM IS A CANTILEVER, THE CANTILEVER BEAM SHALL HAVE ITS TOP REINFORCEMENT PLACED IN THE OUTERMOST (TOP) LAYER.
 - WHERE F BARS (FACE OR "SKIN" BARS) ARE INDICATED IN THE BEAM SCHEDULE, THEY SHALL BE UNIFORMLY SPACED ON BOTH BEAM FACES AND SHALL BE CONTINUOUS, WITH STAGGERED TENSION SPLICES.
 - SEE SCHEDULE OF SHEAR REINFORCEMENT FOR DEEP BEAMS ($D > L_n/4$) FOR MINIMUM STIRRUP AND FACE BAR REQUIREMENTS.
 - THE FIRST STIRRUP AT EACH END SHALL BE PLACED AT $\frac{1}{3}$ THE FIRST SCHEDULED SPACE FROM THE FACE OF SUPPORTING MEMBER. SUBSEQUENT STIRRUPS SHALL BE SPACED AS INDICATED IN THE BEAM SCHEDULE.
 - WHERE MORE THAN ONE STIRRUP IS INDICATED IN A SET, PLACE EACH SET AT THE SCHEDULED SPACING.
 - SCHEDULED STIRRUP SPACING IS THE SAME AT EACH END UNLESS OTHERWISE NOTED.



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

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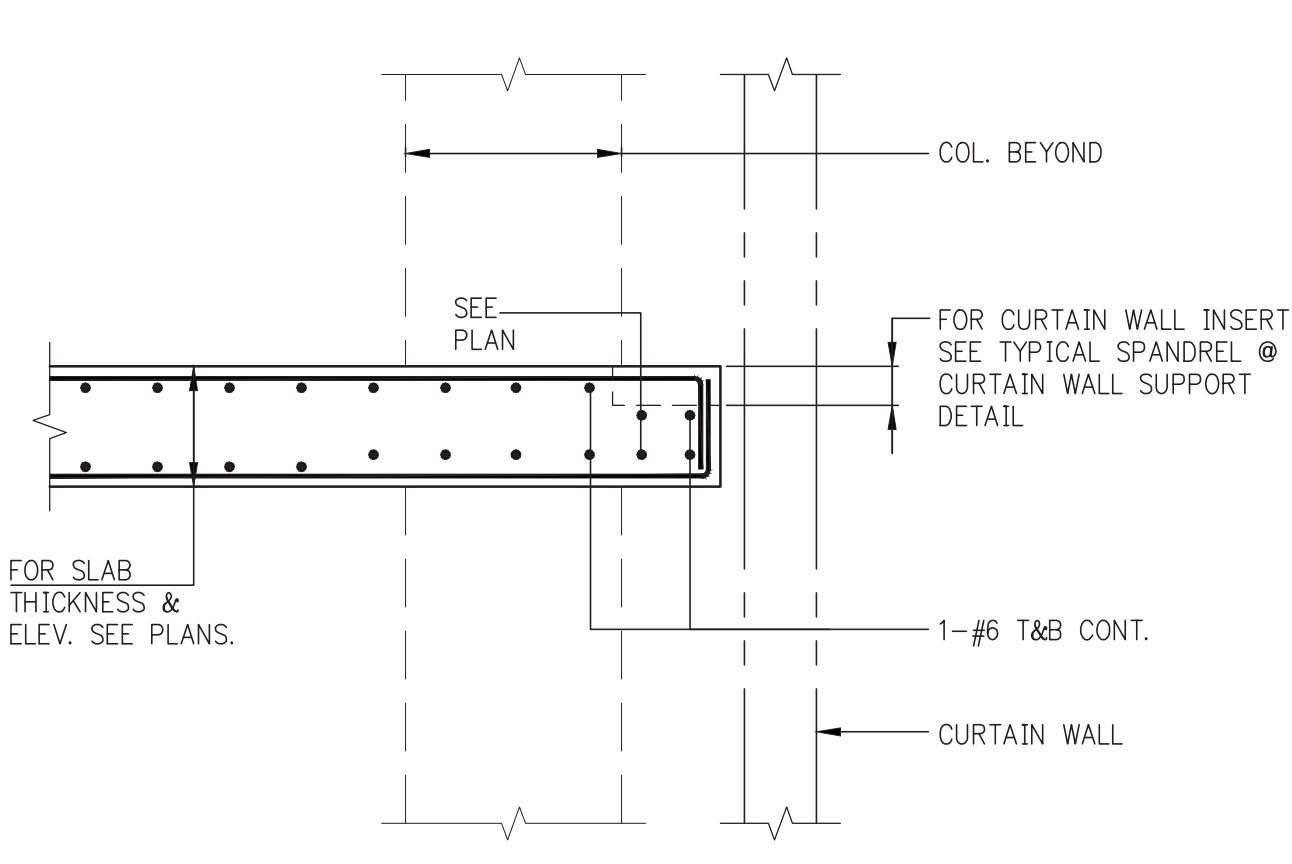
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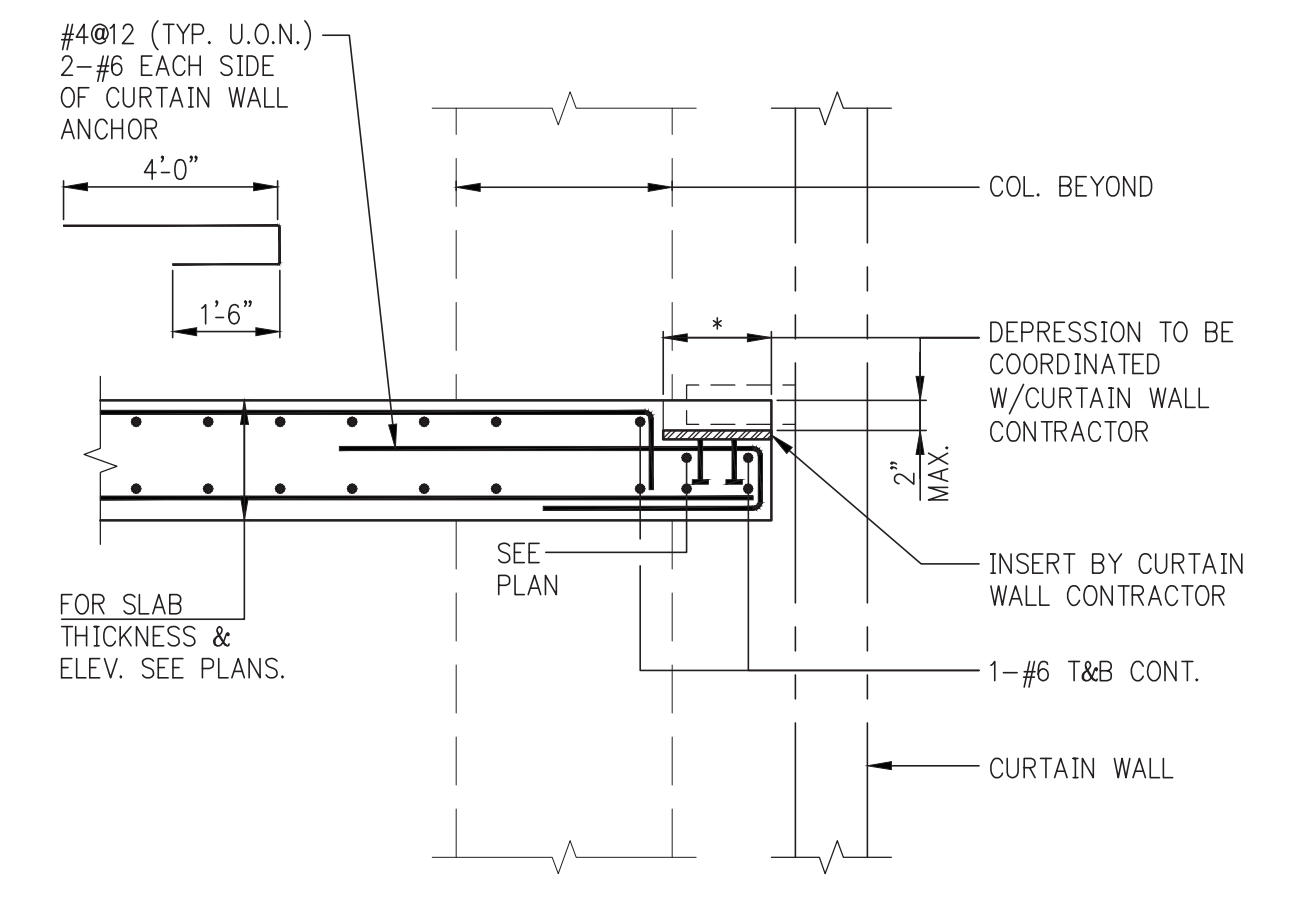
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DRAWN: CADD REV: 10
CHK: Y.E.
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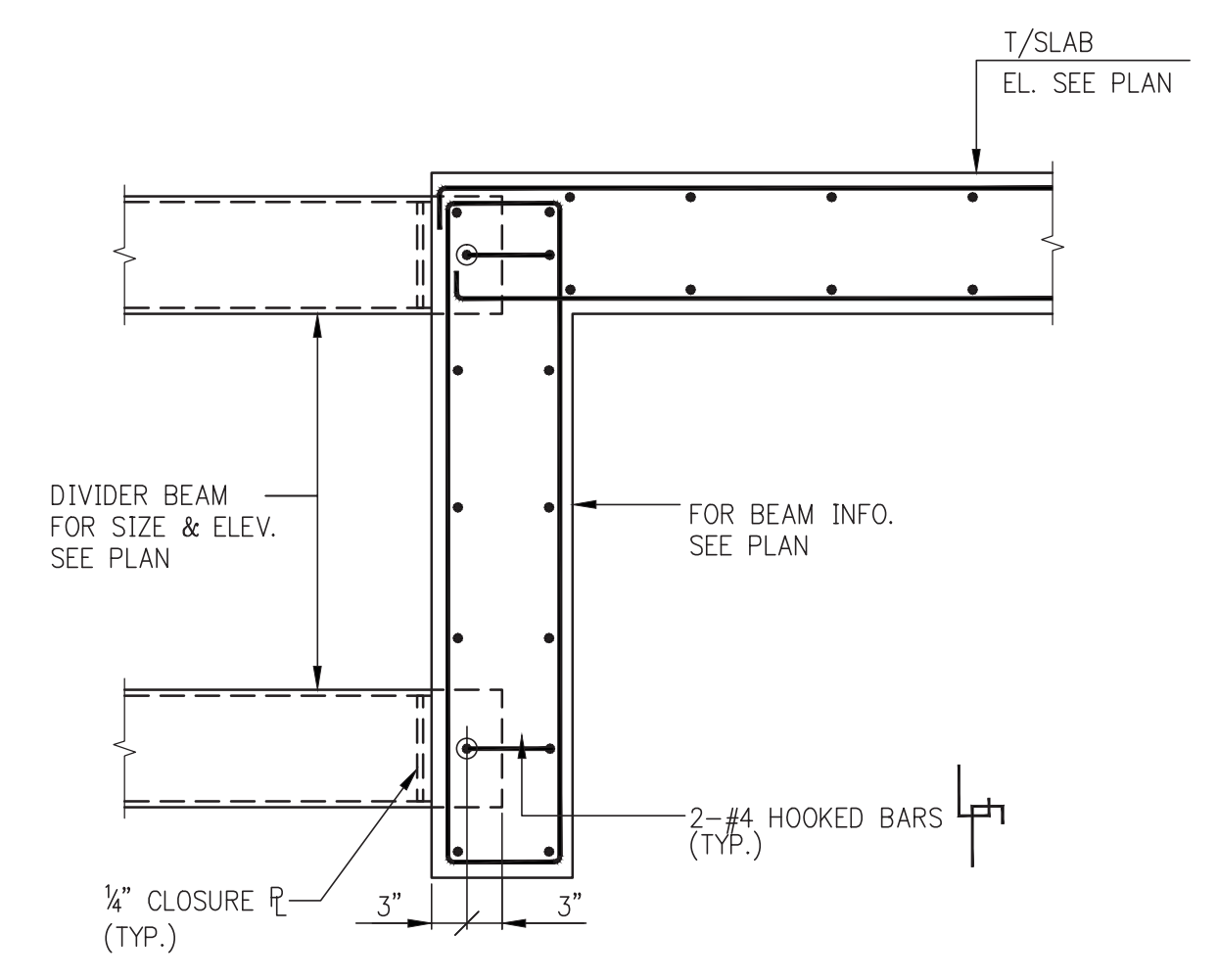


TYPICAL SPANDREL @ EDGE OF SLAB

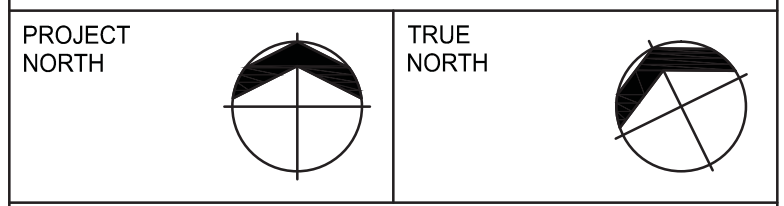
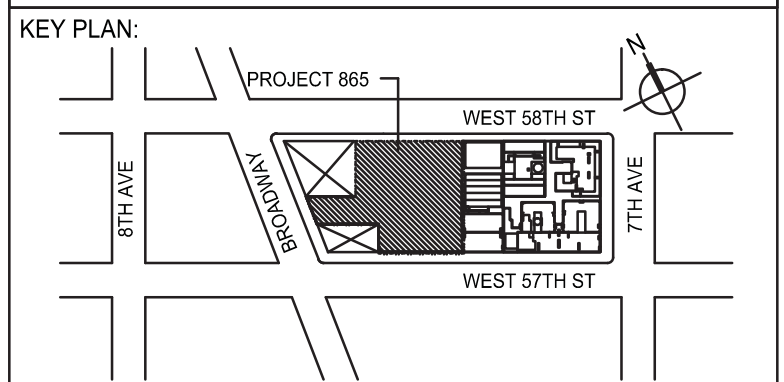


TYPICAL SPANDREL @ CURTAIN WALL SUPPORT (AT EDGE OF SLAB W/O BEAM)

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



TYPICAL ELEVATOR DIVIDER BEAM CONNECTION



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

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PROJECT: **217 WEST 57TH STREET
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DRAWING TITLE: **TYPICAL
SUPERSTRUCTURE
CONCRETE DETAILS 4**

SEAL & SIGNATURE	DATE: 10/19/2014
	PROJECT No: 2012185
	DRAWN: CADD
	CHK: Y.E.
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DWG No:	S-623.00
DOB PAGE No:	of
DOB EMPLOYEE STAMP:	DOB S-SCAN:

FILE NAME: C:\Users\TPOB\Documents\217 WEST 57TH ST\217 WEST 57TH ST\CONCRETE\CONCRETE.DWG

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

Table with 2 columns: TABLE 1.A: 3/4" COVER TO OUTER LAYER BARS and TABLE 1.C: 1 1/4" COVER TO OUTER LAYER BARS. Each table has rows for bar sizes #3 through #11 and columns for concrete strengths from 3,000 to 10,000 PSI.

Table with 2 columns: TABLE 1.B: 3/4" COVER TO INNER LAYER BARS and TABLE 1.D: 1 1/4" COVER TO INNER LAYER BARS. Each table has rows for bar sizes #3 through #11 and columns for concrete strengths from 3,000 to 10,000 PSI.

NOTES FOR TENSION LAP SPLICES

- 1. REINFORCEMENT IS UNCOATED, WITH Fy=60,000 PSI.
2. CONCRETE IS NORMAL WEIGHT (144-150#/C.F.).
3. "TOP" REINFORCEMENT:
a. WHERE HORIZONTAL REINFORCEMENT IS PLACED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BELOW THE SPLICE...

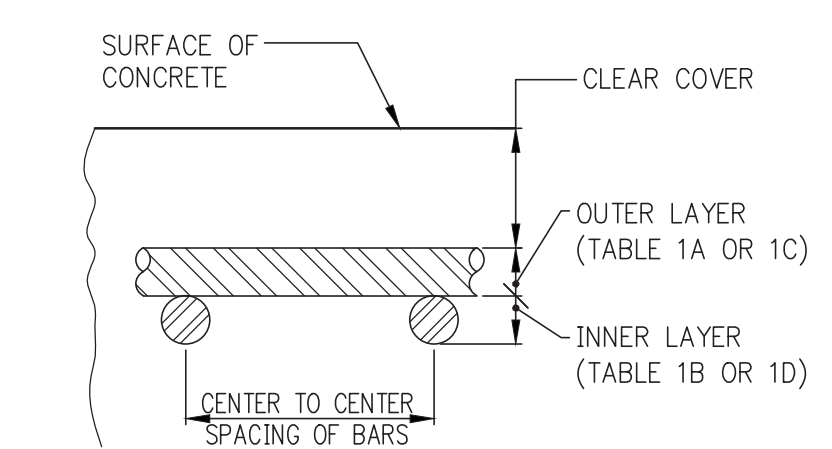
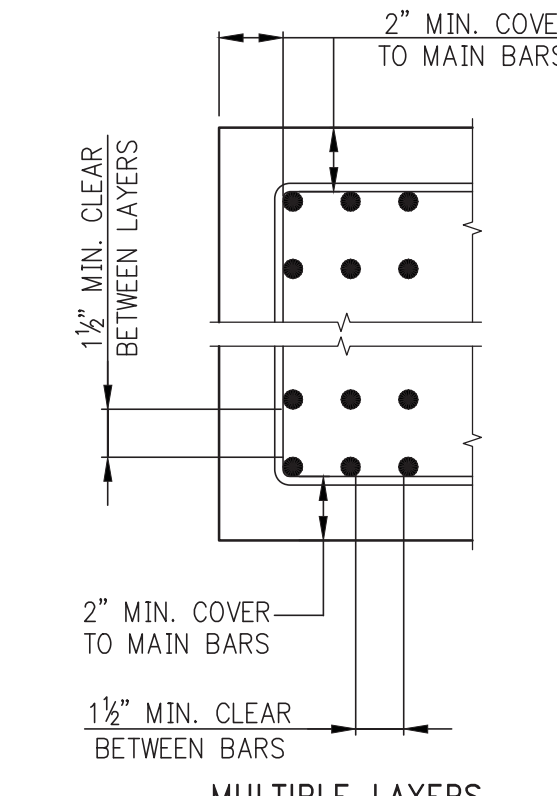


TABLE #2: TENSION DEVELOPMENT LENGTHS (Ld) (IN INCHES)

Table with 2 columns: TABLE 2.A: 3/4" COVER TO OUTER LAYER BARS and TABLE 2.C: 1 1/4" COVER TO OUTER LAYER BARS. Each table has rows for bar sizes #3 through #11 and columns for concrete strengths from 3,000 to 10,000 PSI.

Table with 2 columns: TABLE 2.B: 3/4" COVER TO INNER LAYER BARS and TABLE 2.D: 1 1/4" COVER TO INNER LAYER BARS. Each table has rows for bar sizes #3 through #11 and columns for concrete strengths from 3,000 to 10,000 PSI.

NOTES FOR TENSION DEVELOPMENT LENGTHS (Ld)

- 1. REINFORCEMENT IS UNCOATED, WITH Fy=60,000 PSI.
2. CONCRETE IS NORMAL WEIGHT (144-150#/C.F.).
3. "TOP" REINFORCEMENT:
a. WHERE HORIZONTAL REINFORCEMENT IS PLACED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST BELOW THE DEVELOPMENT LENGTH...

TABLE #3: TENSION DEVELOPMENT LENGTHS FOR STANDARD END HOOKS (ldh) (LENGTHS IN INCHES)

Table with 2 columns: BAR SIZE and CONCRETE STRENGTH (PSI). Rows include bar sizes #3 through #18 and concrete strengths from 3,000 to 10,000 PSI.

NOTES:

- 1. TABLE #3 CONFORMS TO ACI 318-2002 (AND 2005). TABULATED VALUES ARE BASED UPON ACI 12.5.2, ASSUMING GRADE 60 REINFORCEMENT AND NORMAL WEIGHT CONCRETE.
2. PER ACI 12.5.3 (a), FOR #11 AND SMALLER BARS, IF COVER TO BAR IS 2 1/2 INCHES OR MORE...

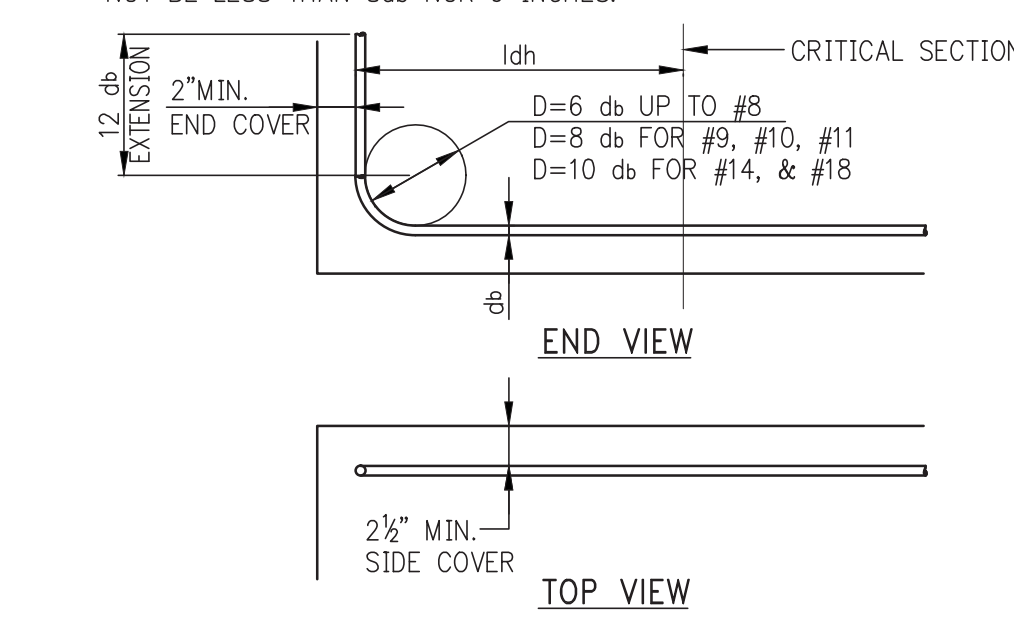


TABLE #4: COMPRESSION LAP SPLICES (LENGTHS IN INCHES)

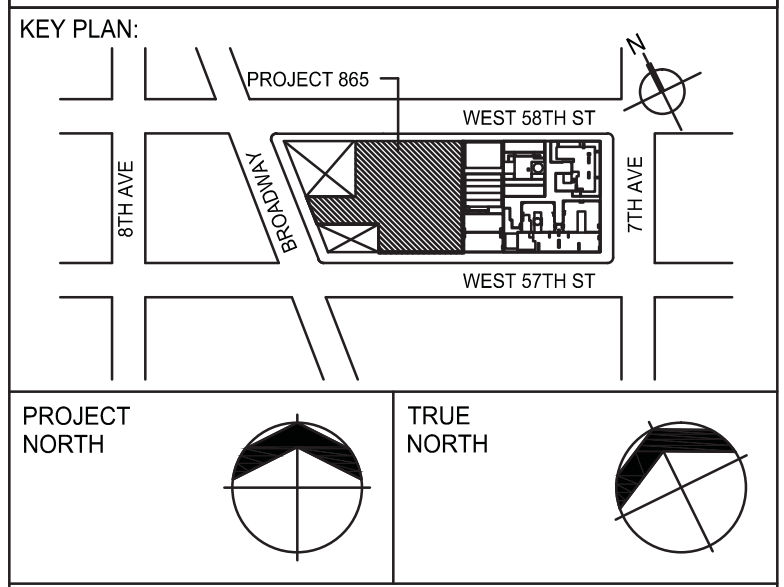
Table with 2 columns: BAR SIZE and GRADE OF REINFORCEMENT. Rows include bar sizes #3 through #18 and reinforcement grades: 60 KSI (30 DIA.), 75 KSI (44 DIA.), 80 KSI (48 DIA.).

NOTES:

- 1. LAP SPLICES ARE NOT PERMITTED FOR #11 AND SMALLER BARS TO #11 AND SMALLER BARS ARE PERMITTED PER ACI 318 (12.16.2).
2. LAP SPLICES OF #14 AND #18 PER ACI 318 (12.16.2).
3. FOR BARS OF DIFFERENT SIZE, USE LARGER OF SPLICE LENGTH OF SMALLER BAR (TABLE #4) OR DEVELOPMENT LENGTH OF LARGER BAR (FROM TABLE #3) PER ACI 318 (12.16.2).

TABLE #5: DEVELOPMENT LENGTHS FOR BARS IN COMPRESSION (LENGTHS IN INCHES)

Table with 2 columns: BAR SIZE and CONCRETE STRENGTH (PSI). Rows include bar sizes #3 through #18 and concrete strengths for fy = 60,000 PSI, 75,000 PSI, and 80,000 PSI.



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LANDMARK PRESERVATION CONSULTANT: Jan Hind Pokorny Associates, Inc.
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Table with 3 columns: No., DESCRIPTION, DATE. Rows include 1 DESIGN DEVELOPMENT (07-01-2014), 2 ISSUED FOR DESIGN DEVELOPMENT (07-31-2014), 3 CD PROGRESS ISSUE 1 (10-15-2014), 4 ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY (11-07-2014), 5 DOB SUBMISSION (12-19-2014), 6 DOB SUBMISSION (02-05-2015)

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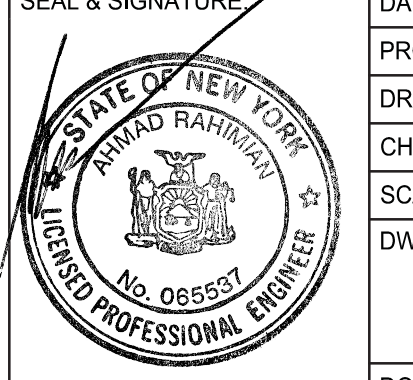
ALL DIMENSIONS ARE SHOWN IN IMPERIAL.

CONSULTANT: WSP
228 East 45th Street
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PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE: TYPICAL SUPERSTRUCTURE CONCRETE DETAILS 4

DATE: 07/01/2014
PROJECT No: 2012185
DRAWN: CADD REV: 6
CHK: Y.E. SCALE: AS INDICATED
DWG No: S-624.00
DOB EMPLOYEE ID: DOB PAGE No: of DOB 5-SCAN:



SECTION

ELEVATION

PLAN DETAIL

TYPICAL EMBEDDED PLATE ("EP") DETAIL (ALONG LINES C & L)

NOTES:
 1. WHERE WALL THICKNESS, 1, IS LESS THAN 36" AND RETURN WALL ABSENT ON BACK FACE, REDUCE EMBEDMENT TO 1'-4".
 2. FOR WELDS MARKED "*", SEE STUB SCHEDULE FOR SIZE.
 3. DETAIL IS NOT FOR USE AT MOMENT-CONNECTED BEAMS.

CONNECTED BEAM	STUB SECTION	WELD (in)	CONNECTION PLATE (lp x b x h (in))	BACK PLATE (lp x b x h (in))
W12x19	W12x45	3/4	3/8 x 14 x 20	1/2 x 11 x 15
W12x40	W12x45	3/4	3/8 x 14 x 20	1/2 x 11 x 15
W14x22	W14x43	3/4	3/8 x 12 x 20	5/8 x 10 x 16
W14x43	W14x43	3/4	3/8 x 12 x 20	5/8 x 10 x 16
W14x99	W14x120	3/4	1 x 20 x 22	3/4 x 17 x 17
W14x120	W14x120	3/4	1 x 20 x 22	3/4 x 17 x 17
W14x500	W14x500	1 1/2	3/2 x 22 x 26	2 1/2 x 19 x 22
W14x550	W14x550	1 3/4	4 x 22 x 28	2 3/4 x 20 x 23
W16x26	W16x45	3/4	3/8 x 12 x 24	5/8 x 10 x 19
W16x31	W16x45	3/4	3/8 x 12 x 24	5/8 x 10 x 19
W16x40	W16x40	3/4	3/8 x 12 x 24	5/8 x 10 x 20
W18x35	W18x40	3/4	3/8 x 12 x 24	5/8 x 10 x 20
W18x40	W18x40	3/4	3/8 x 12 x 24	5/8 x 10 x 20
W18x71	W18x86	3/4	1 x 16 x 26	5/8 x 14 x 21
W18x76	W18x86	3/4	1 x 16 x 26	5/8 x 14 x 21
W18x99	W18x106	3/4	1 x 16 x 26	5/8 x 14 x 21
W18x106	W18x106	3/4	1 x 16 x 26	5/8 x 14 x 21
W18x119	W18x119	3/4	1 1/4 x 16 x 26	5/8 x 14 x 21
W18x130	W18x130	3/4	1 1/4 x 16 x 26	5/8 x 14 x 22
W18x158	W18x158	3/4	1 1/2 x 16 x 26	1 x 14 x 22
W18x175	W18x175	3/4	1 1/2 x 16 x 26	1 x 14 x 22
W18x192	W18x192	3/4	1 1/2 x 16 x 28	1 x 14 x 23
W18x211	W18x211	3/4	2 x 16 x 28	1 1/4 x 14 x 23
W18x234	W18x234	3/4	2 1/4 x 16 x 28	1 1/4 x 14 x 24
W18x258	W18x258	3/4	2 1/2 x 16 x 28	1 1/2 x 14 x 24
W21x44	W21x62	3/4	3/8 x 14 x 28	5/8 x 11 x 23
W21x50	W21x62	3/4	3/8 x 14 x 28	5/8 x 11 x 23
W21x62	W21x62	3/4	3/8 x 14 x 28	5/8 x 11 x 23
W24x44	W24x55	3/4	3/8 x 14 x 28	5/8 x 11 x 23
W24x55	W24x55	3/4	3/8 x 14 x 28	5/8 x 11 x 23
W24x62	W24x84	3/4	1 x 14 x 32	5/8 x 12 x 27
W24x68	W24x84	3/4	1 x 14 x 32	5/8 x 12 x 27
W24x76	W24x84	3/4	1 x 14 x 32	5/8 x 12 x 27
W24x84	W24x84	3/4	1 x 14 x 32	5/8 x 12 x 27
W24x94	W24x107	3/4	1 1/4 x 18 x 32	5/8 x 15 x 28
W24x146	W24x146	3/4	1 1/4 x 18 x 32	5/8 x 15 x 27
W24x162	W24x162	3/4	1 1/4 x 18 x 32	5/8 x 15 x 27
W24x175	W24x175	3/4	2 x 22 x 44	1 1/2 x 19 x 40
W27x54	W27x54	3/4	3/8 x 14 x 34	5/8 x 12 x 29
W27x59	W27x59	1 1/4	3/2 x 20 x 40	1 x 18 x 35
W30x90	W30x90	3/4	3/8 x 16 x 36	5/8 x 13 x 32
W30x99	W30x99	3/4	3/8 x 16 x 36	5/8 x 13 x 32
W30x108	W30x108	3/4	3/8 x 16 x 36	5/8 x 13 x 32
W30x132	W30x132	3/4	1 1/2 x 20 x 38	5/8 x 17 x 33
W30x148	W30x148	3/4	1 1/2 x 20 x 38	5/8 x 17 x 33
W30x235	W30x235	3/4	1 1/2 x 20 x 38	1 x 18 x 34
W30x330	W30x330	3/4	2 x 22 x 44	1 1/2 x 19 x 40
W33x118	W33x118	3/4	3/8 x 16 x 40	5/8 x 14 x 35
W33x263	W33x263	3/4	1 1/4 x 20 x 42	1 x 18 x 37
W36x135	W36x135	3/4	2 x 22 x 44	1 1/2 x 19 x 40
W36x150	W36x150	3/4	1 1/2 x 18 x 44	5/8 x 15 x 40
W36x150**	W36x150**	3/4	1 1/2 x 18 x 44	5/8 x 15 x 40
W36x160	W36x160	3/4	1 1/4 x 16 x 42	5/8 x 14 x 38
W36x170	W36x170	3/4	2 1/4 x 22 x 46	1 1/4 x 19 x 41
W36x182	W36x182	3/4	2 1/2 x 22 x 46	1 1/2 x 19 x 41
W36x194	W36x194	3/4	2 1/2 x 22 x 46	1 1/2 x 19 x 41
W36x210	W36x210	3/4	2 1/2 x 22 x 46	1 1/2 x 19 x 41
W36x231	W36x231	3/4	2 1/2 x 22 x 46	1 1/2 x 20 x 42

* = ALONG GRID L ** = ALONG GRID C

STUB SCHEDULE

SECTION

ELEVATION

PLAN DETAIL

TYPICAL EXTENDED STUB ("ES") DETAIL (VALID AT C/5, FLOORS 6, 7, 8, AND GROUND FLOOR LINE L)

NOTES:
 1. SEE PLAN FOR LOCATIONS.
 2. PACKOUT TO BE DRYPACKED SOLID AFTER INSTALLATION AND INSPECTION OF STEEL. USE HIGH-STRENGTH NON-SHRINK GROUT.

DAVIT DETAIL 1
(ENTIRELY ON BEAM - NO ECCENTRICITY)
NOTE: FIREPROOFING NOT SHOWN, DECK NOT SHOWN

DAVIT DETAIL 2
(OUTBOARD OF CENTERLINE OF SPANDREL BEAM)

SECTION A
NOTE: ϕ DAVIT OUTBOARD OF ϕ OF SPANDREL

DAVIT DETAIL 3
(INBOARD OF CENTERLINE OF SPANDREL BEAM)

SECTION B
NOTE: ϕ DAVIT INBOARD OF ϕ OF SPANDREL

DAVIT DETAIL 4
(DAVIT OVER COLUMN)

SECTION C
NOTE: ϕ DAVIT INBOARD OF ϕ COLUMN-LARGE ECCENTRICITY

SECTION D
NOTE: ϕ DAVIT INBOARD OF ϕ COLUMN-SMALL ECCENTRICITY

SECTION E
NOTE: ϕ DAVIT OUTBOARD OF ϕ COLUMN

DAVIT SECTIONS

TYPICAL DETAIL AT SPANDREL BEAMS SUPPORTING CLADDING (FL. 9TH-12TH)

NOTES:
 1. NO LOAD OTHER THAN FACADE LOAD SHALL BE IMPOSED ON THIS MEMBER AND ASSEMBLY.
 2. WHERE NOTED PROVIDE 12" CONT. EA. SIDE OF CLADDING ANCHORS BALANCE 3" @ 9"

KEY PLAN

PROJECT NORTH

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No.	DESCRIPTION	DATE
1	STRUCTURAL STEEL BID	09-15-2014
2	STRUCTURAL STEEL BID - ADDENDUM	10-01-2014
3	CD PROGRESS ISSUE 1	10-15-2014
4	ISSUED FOR CONSTRUCTION UP TO GROUND FL ONLY	10-17-2014
5	DOB SUBMISSION	12-19-2014
6	ISSUED FOR 8TH FLOOR MILL ORDER - PHASE 1	01-14-2015
7	DOB SUBMISSION	02-05-2015
8	CD UPDATE ISSUE	02-10-2015
9	PROGRESS CD	05-08-2015
10	CONSTRUCTION DOCUMENTS ISSUE 4	06-01-2015
11	CD PROGRESS ISSUE 5	08-10-2015
12	DOB AMENDMENT 2	09-18-2015

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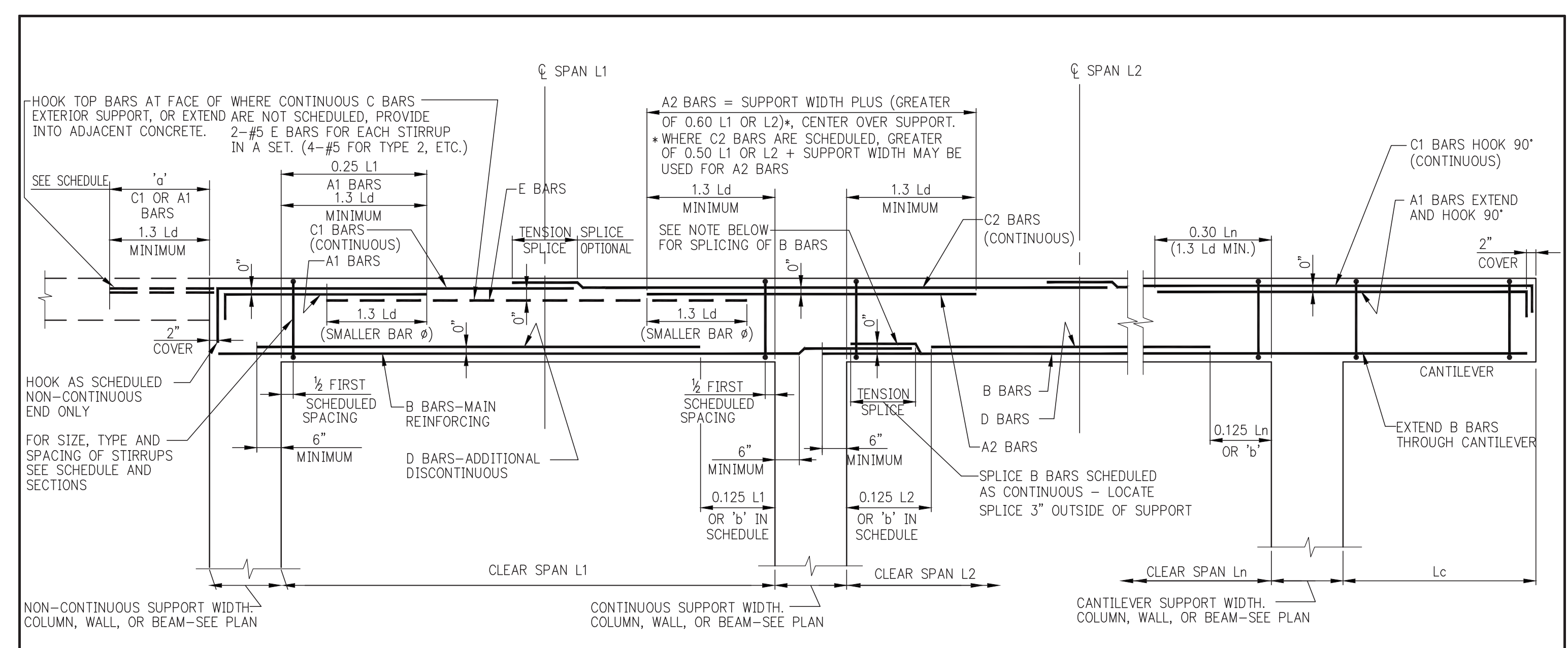
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PROJECT: 217 WEST 57TH STREET
 NEW YORK, NY

DRAWING TITLE: TYPICAL SUPERSTRUCTURE STEEL DETAILS 5

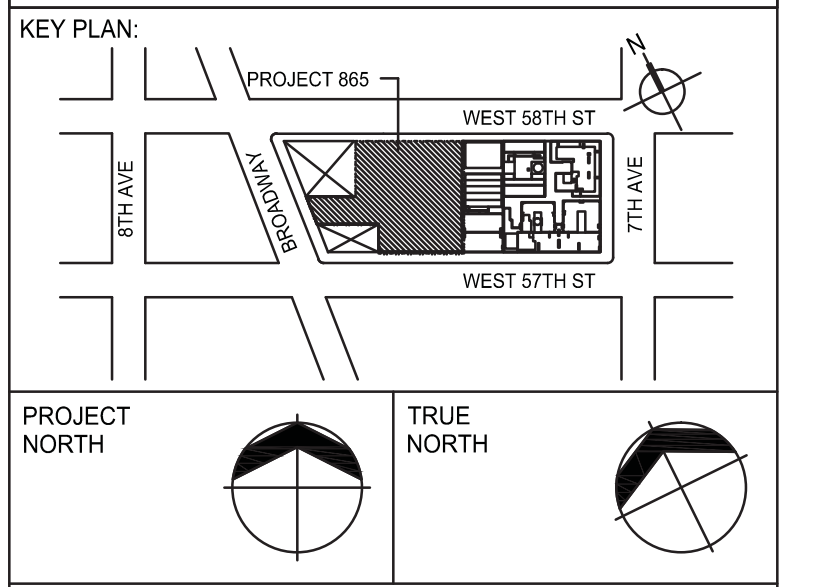
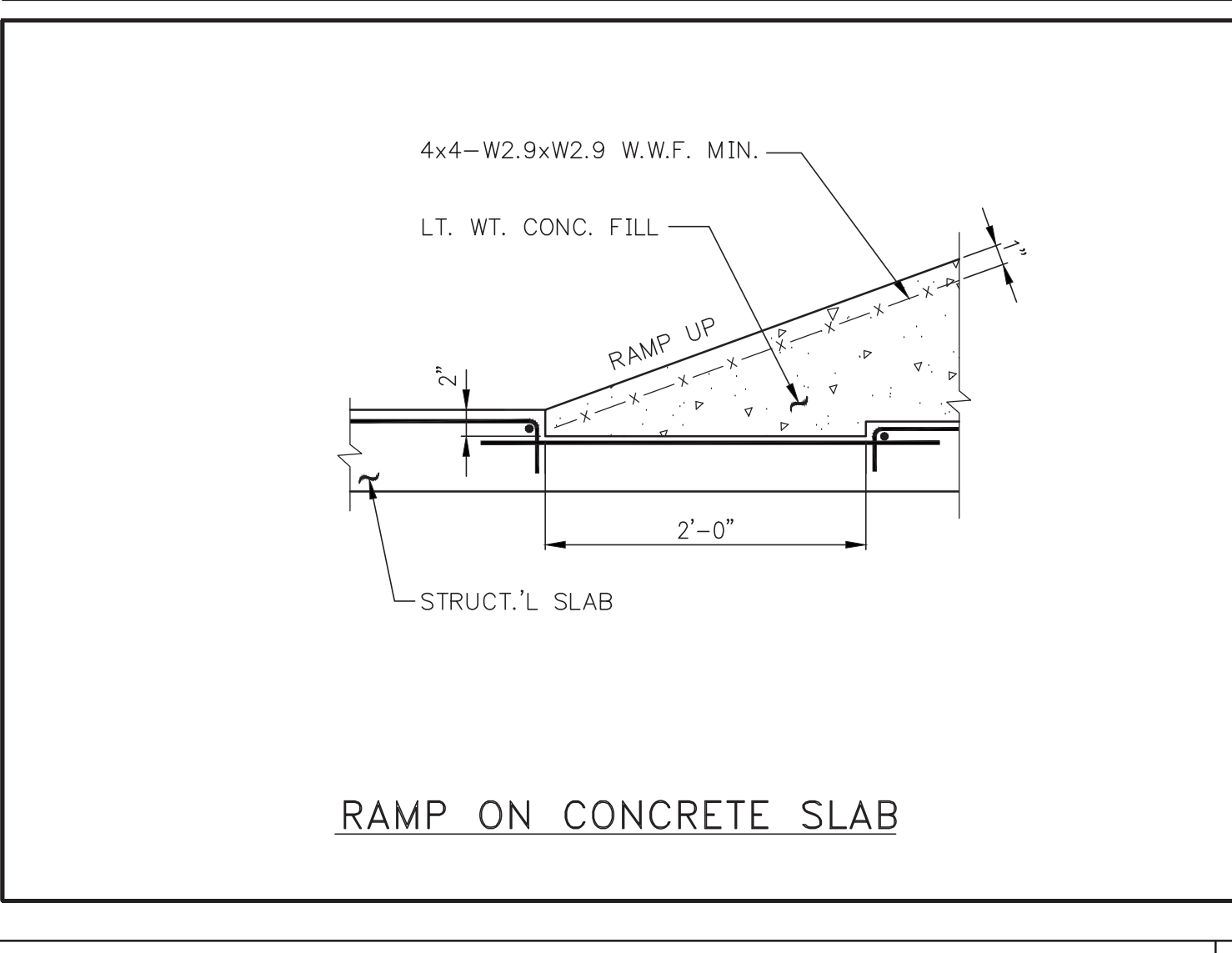
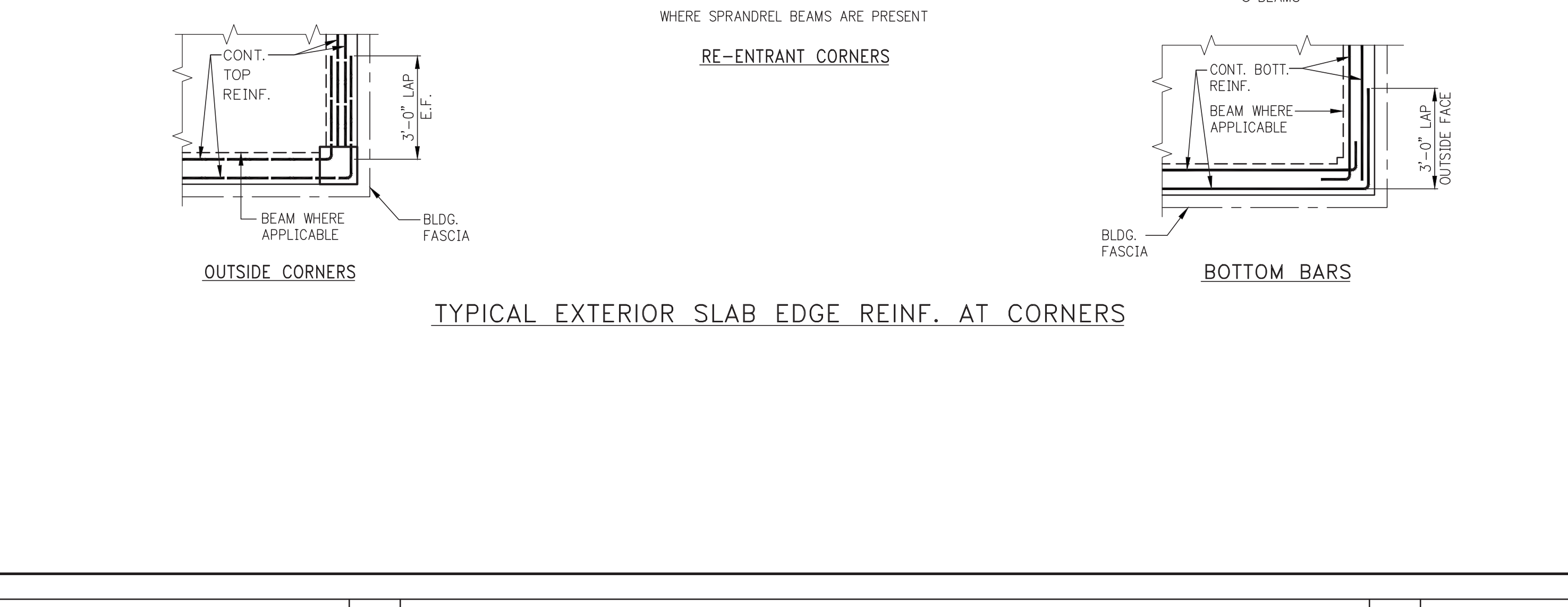
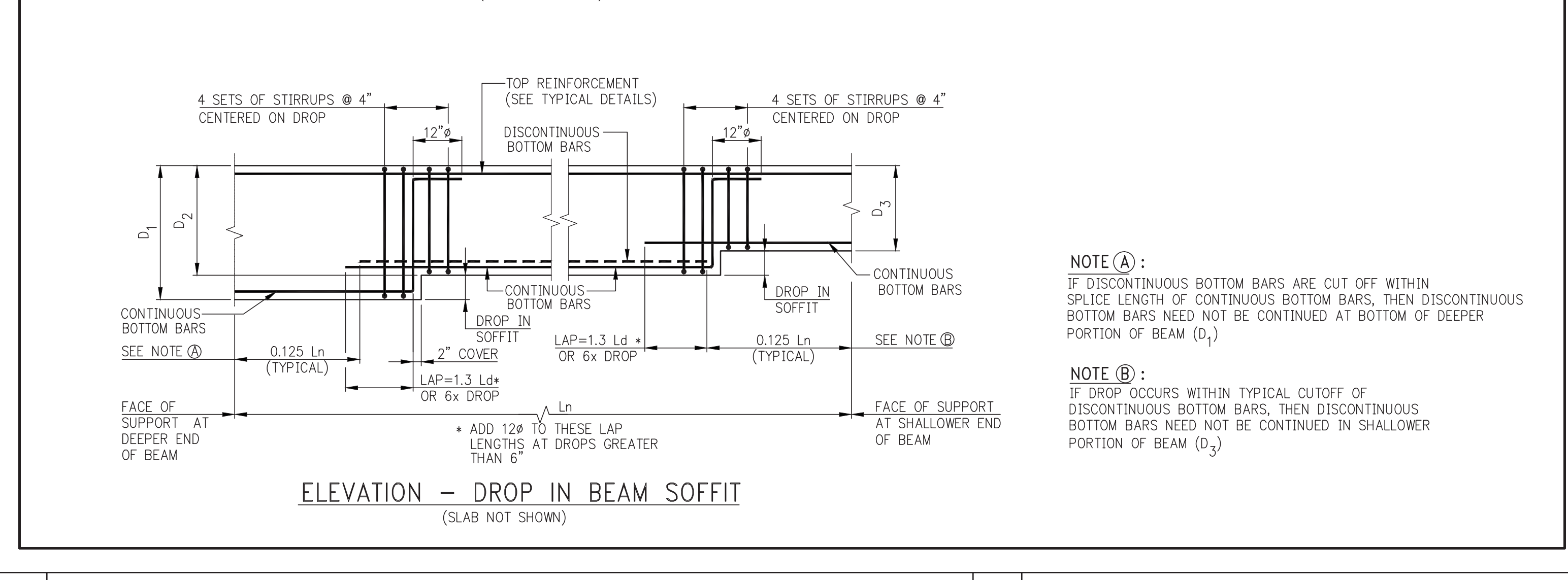
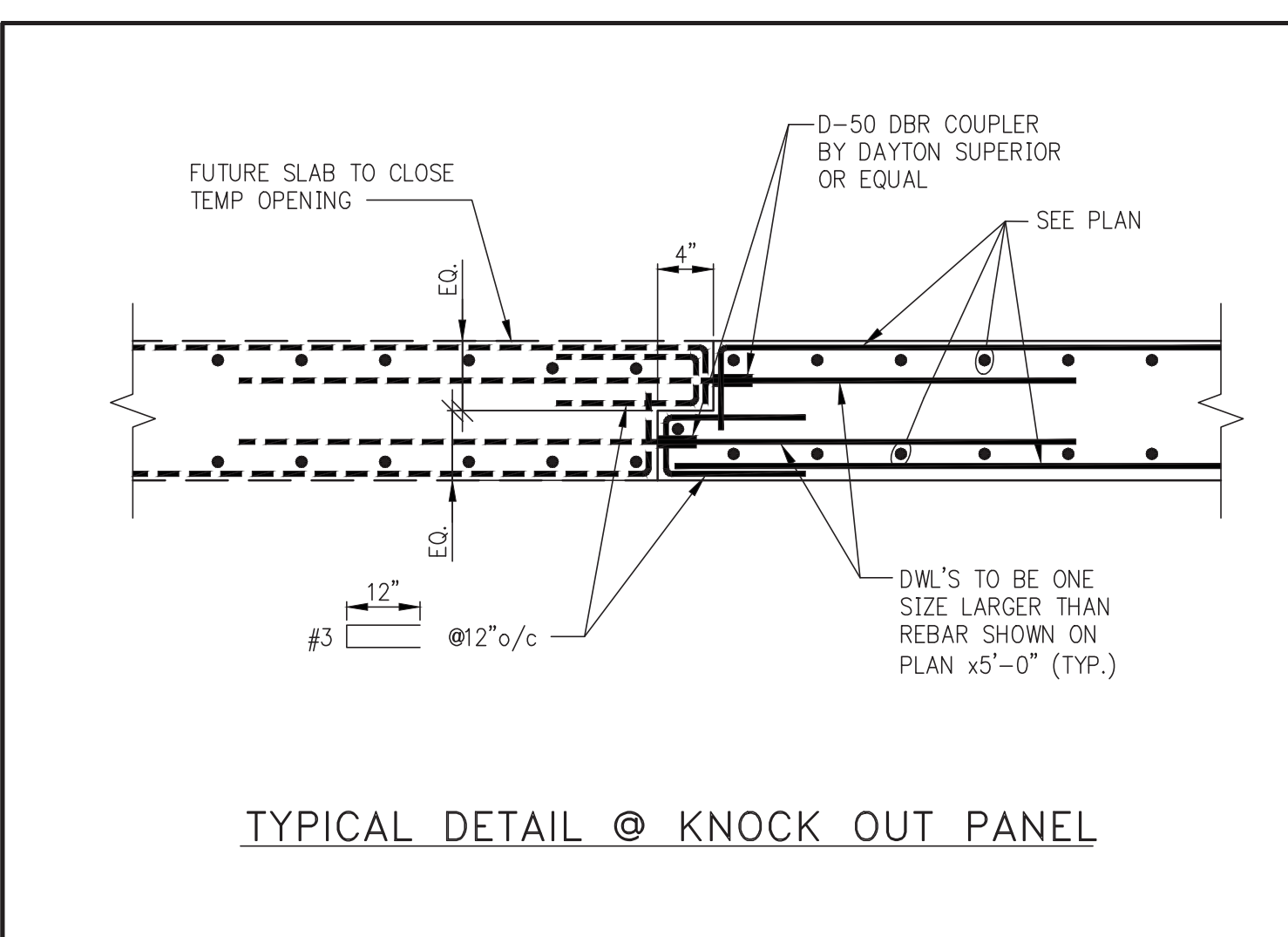
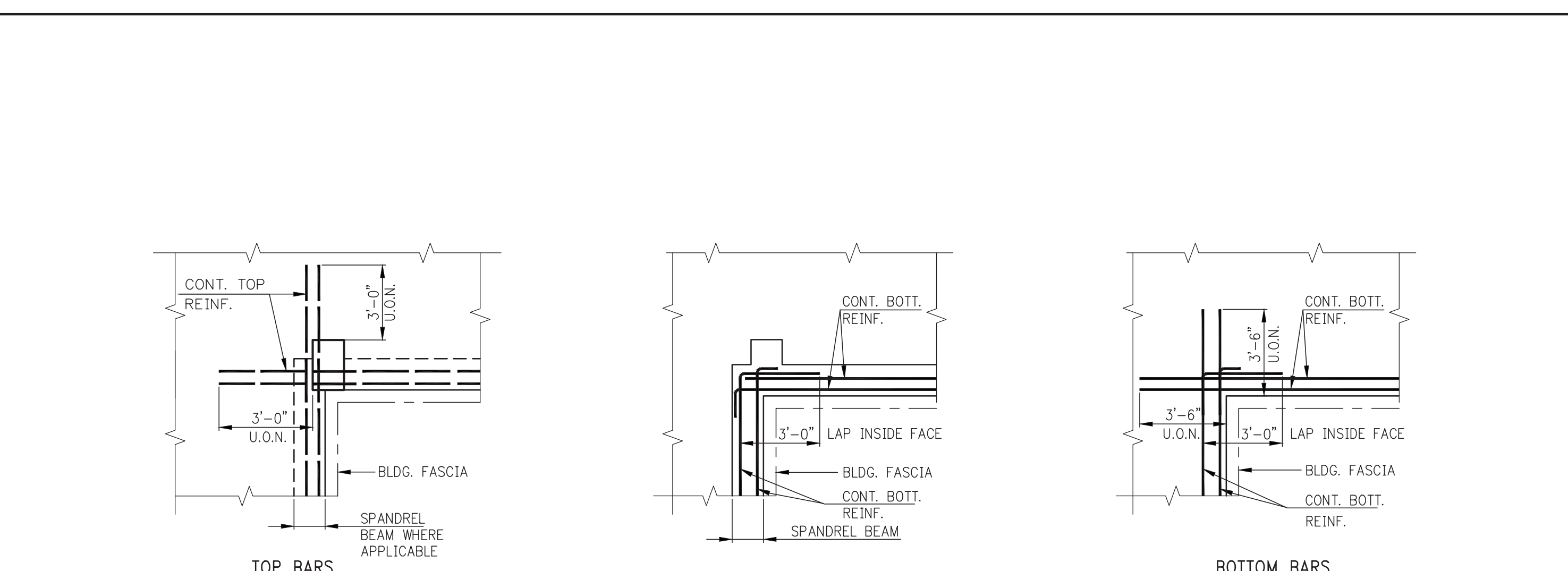
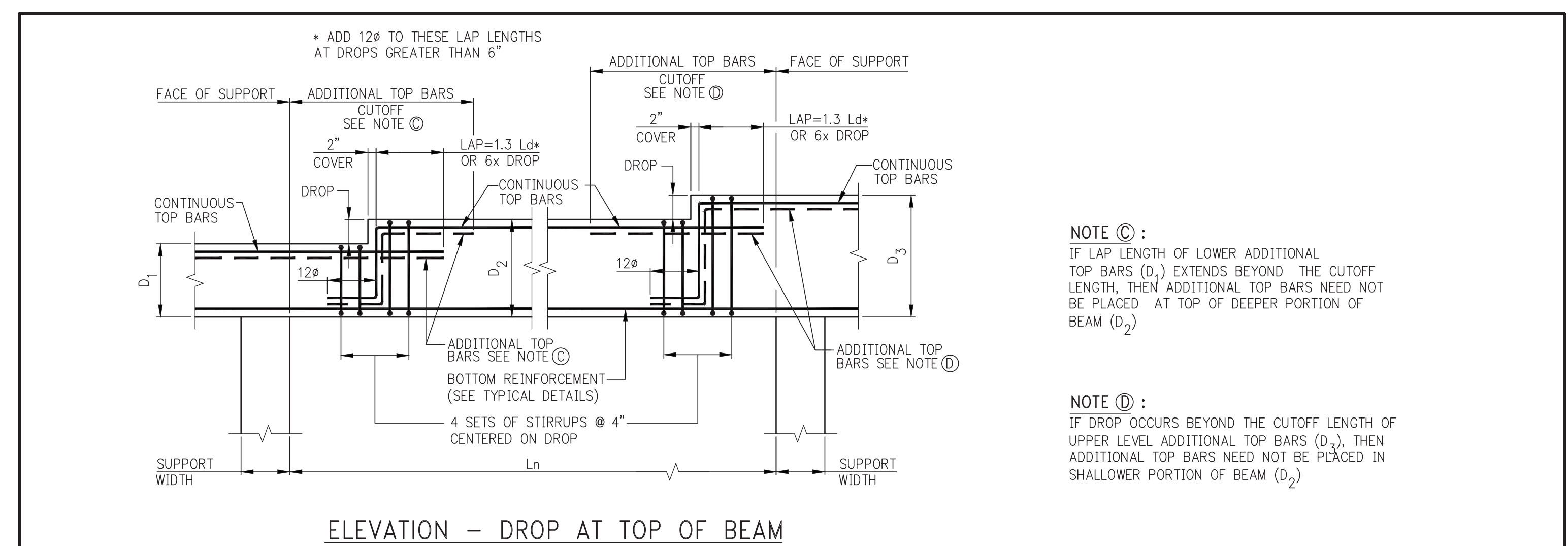
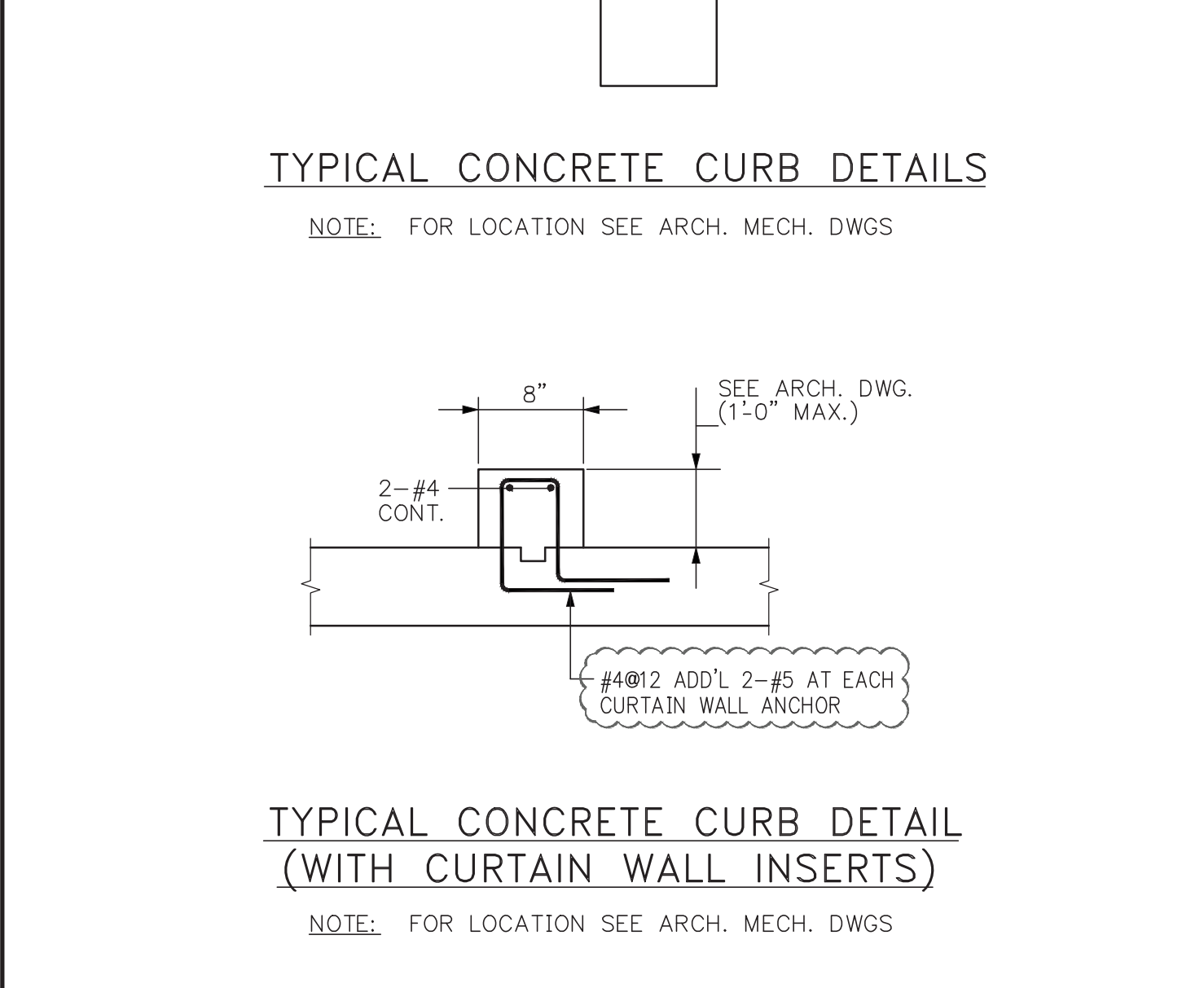
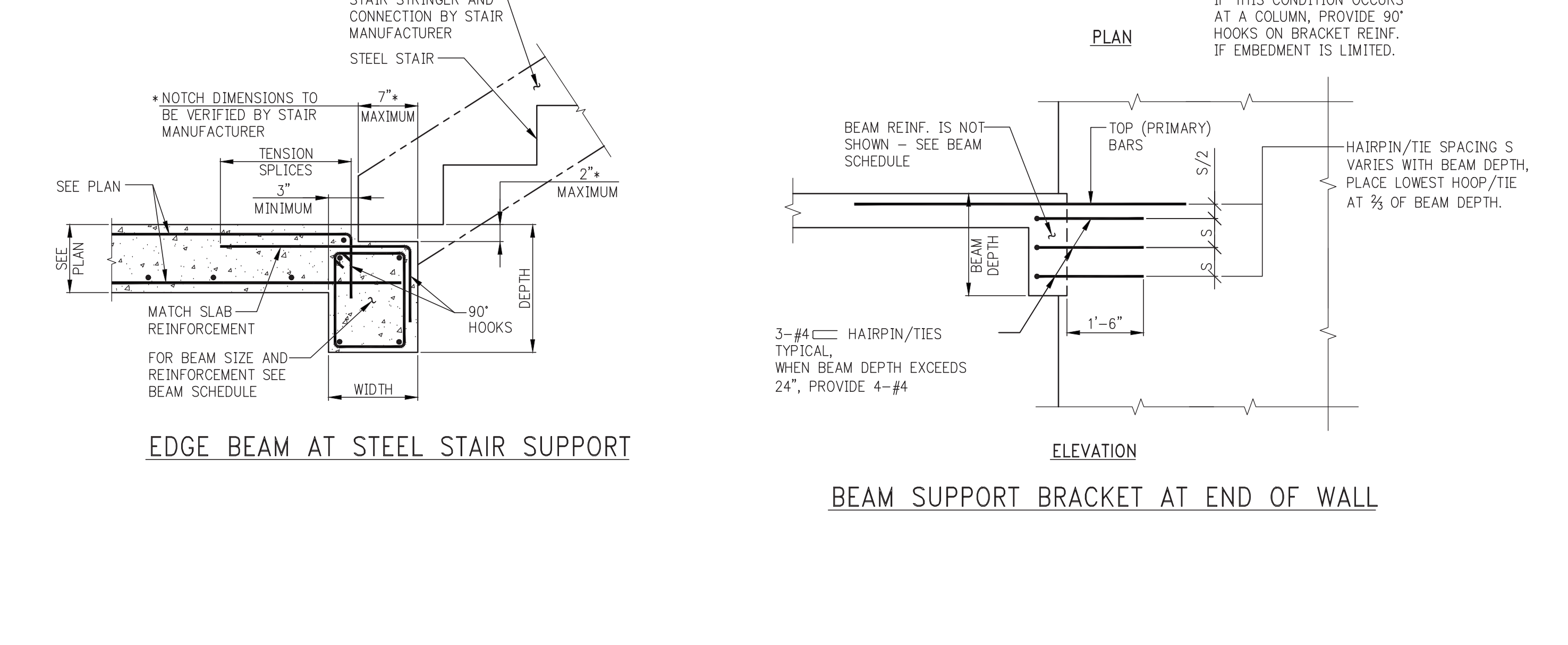
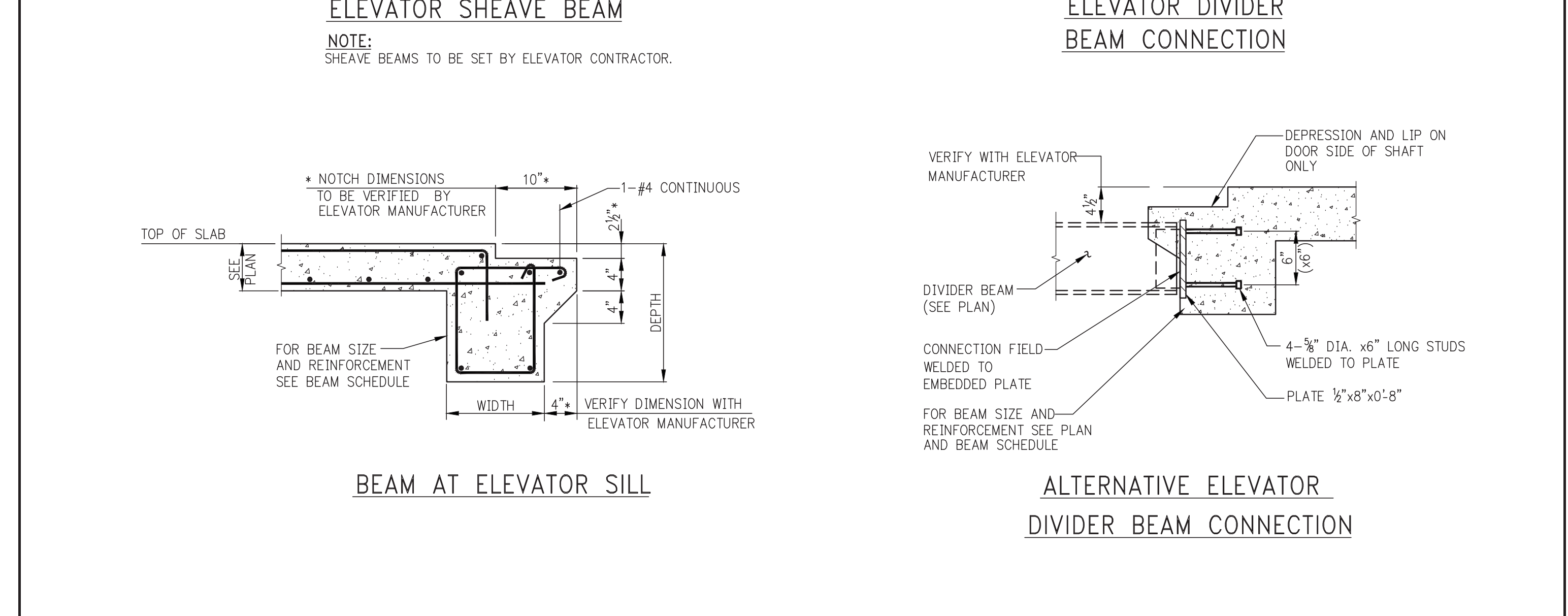
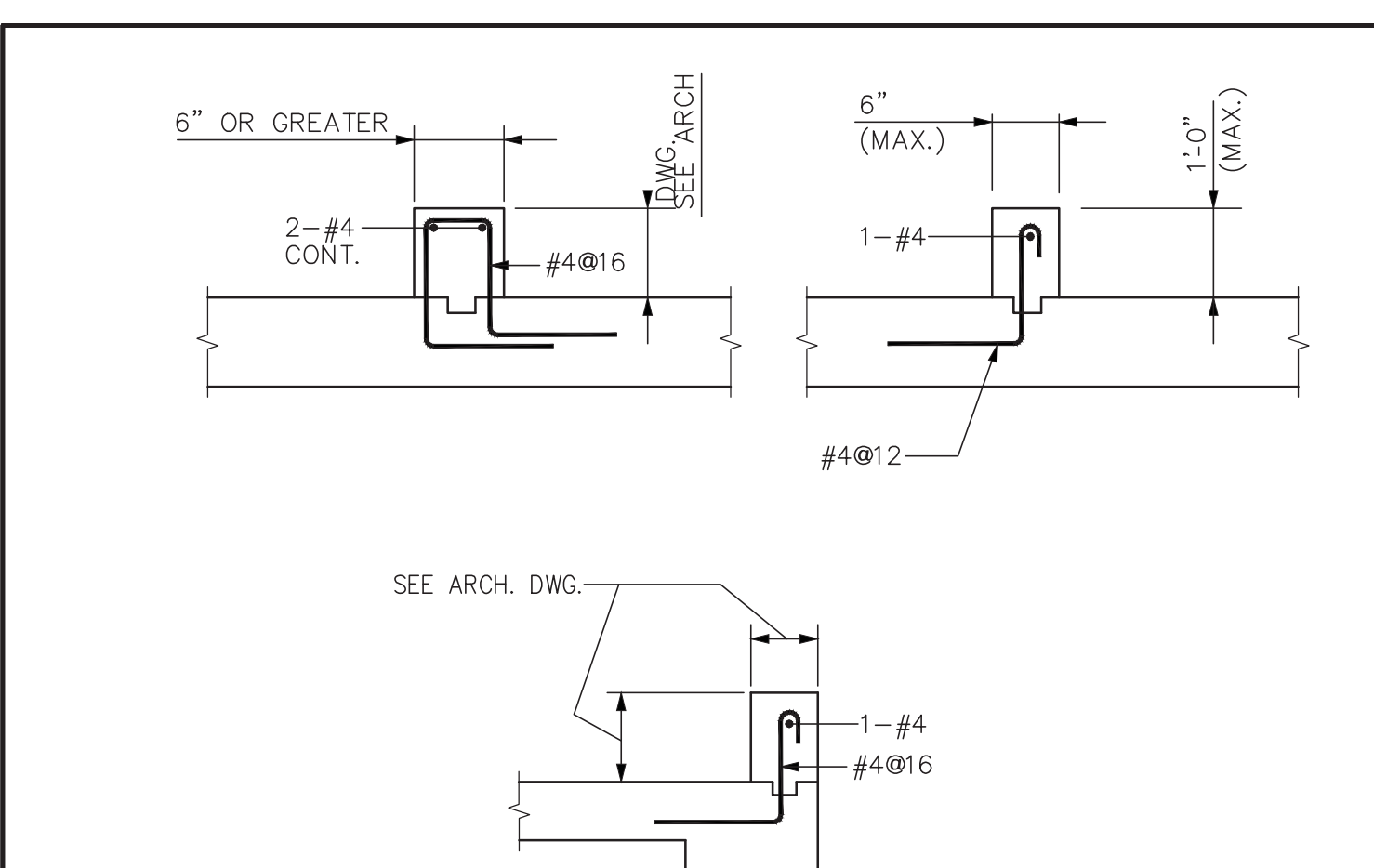
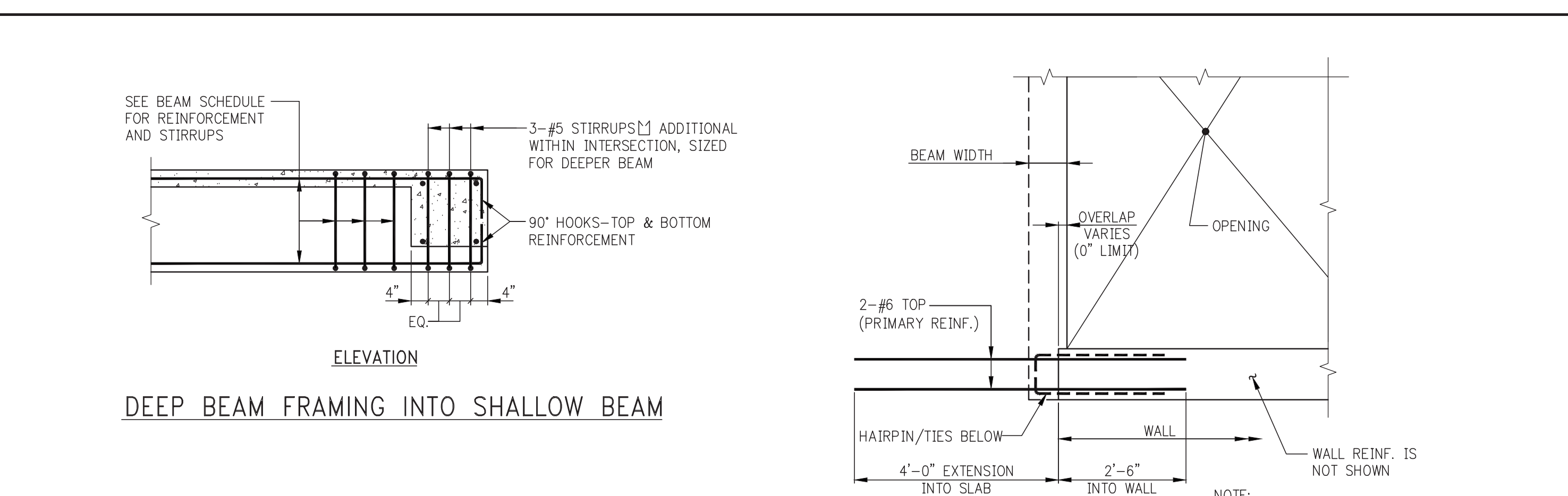
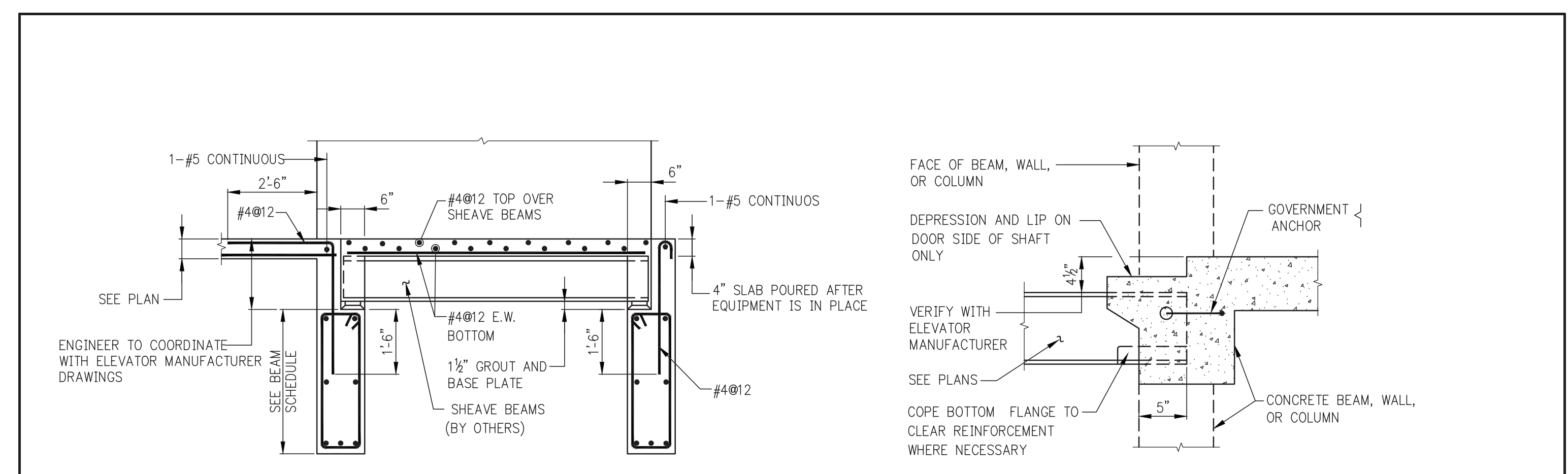
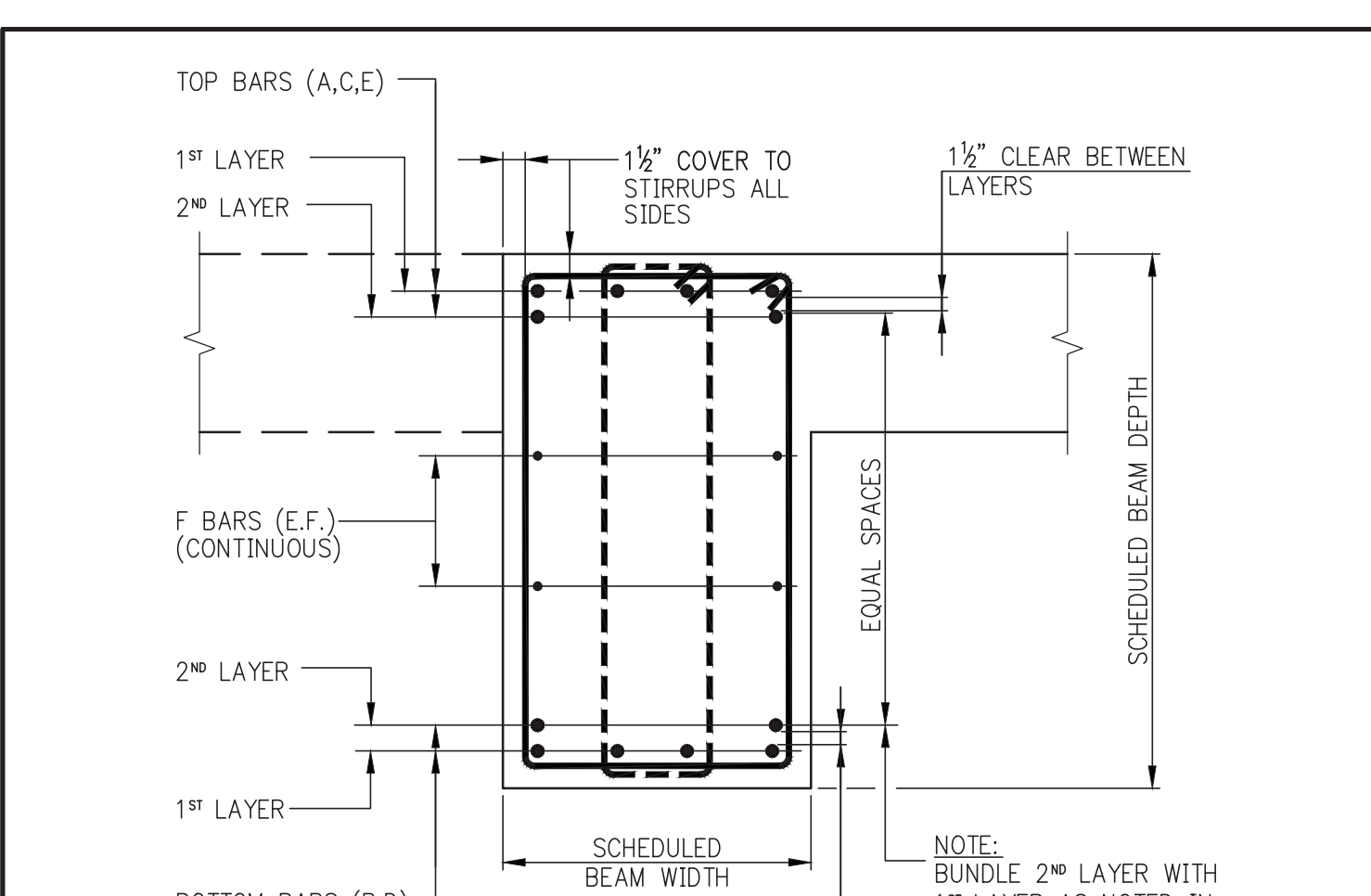
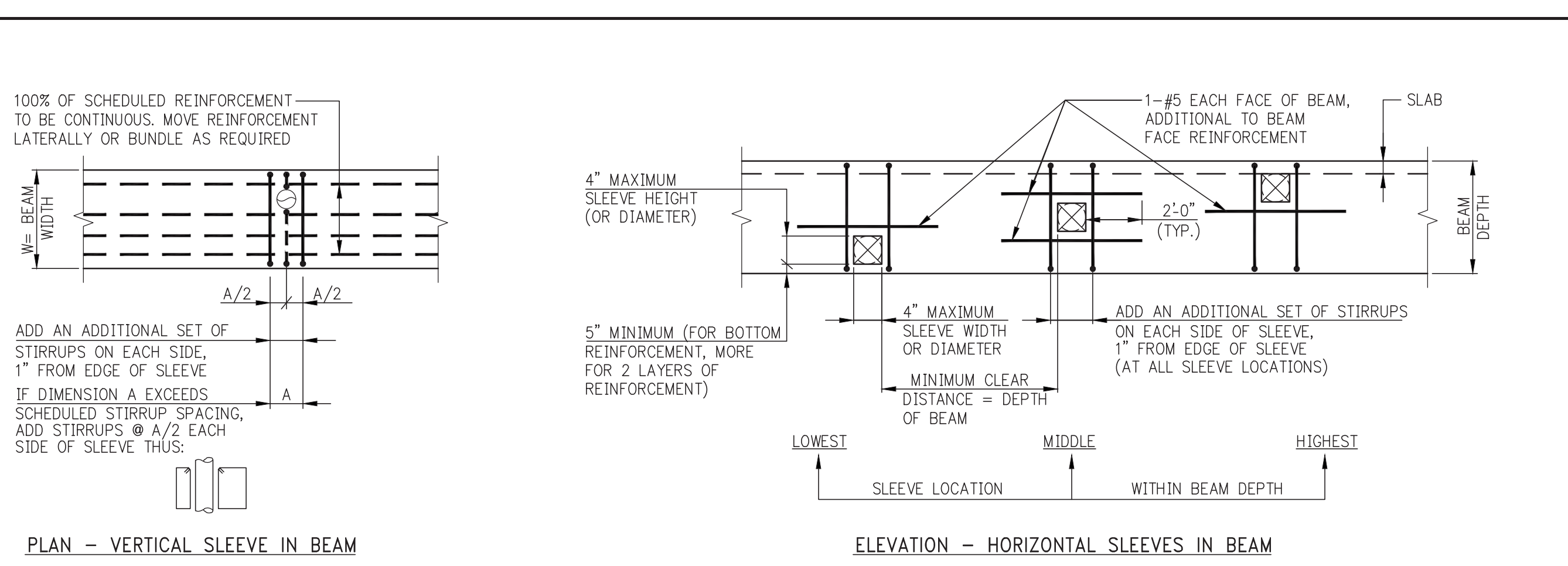
SEAL & SIGNATURE: DATE: 09-15-2014
 PROJECT No: 2012185
 DRAWN: CADD REV: 12
 CHK: Y.E. SCALE: AS INDICATED
 DWG No: S-604.01
 DOB EMPLOYEE ID: 139 OF 158
 DOB B-CAN:



MINIMUM SHEAR REINFORCEMENT FOR DEEP BEAMS (D > L_v/4)

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

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



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No.	DESCRIPTION	DATE
1	SCHEMATIC DESIGN	03-31-2014
2	ISSUED FOR SCHEMATIC DESIGN	04-04-2014
3	STEEL BID PACKAGE	05-22-2014
4	SUPERSTRUCTURE CONCRETE BID	06-02-2014
5	DESIGN DEVELOPMENT	07-01-2014
6	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
7	CD PROGRESS ISSUE 1	10-15-2014
8	ISSUED FOR CONSTRUCTION	11-07-2014
9	DOB SUBMISSION	12-19-2014
10	DOB SUBMISSION	02-05-2015
11	CD PROGRESS ISSUE 5	05-10-2015
12	DOB AMENDMENT 2	09-18-2015

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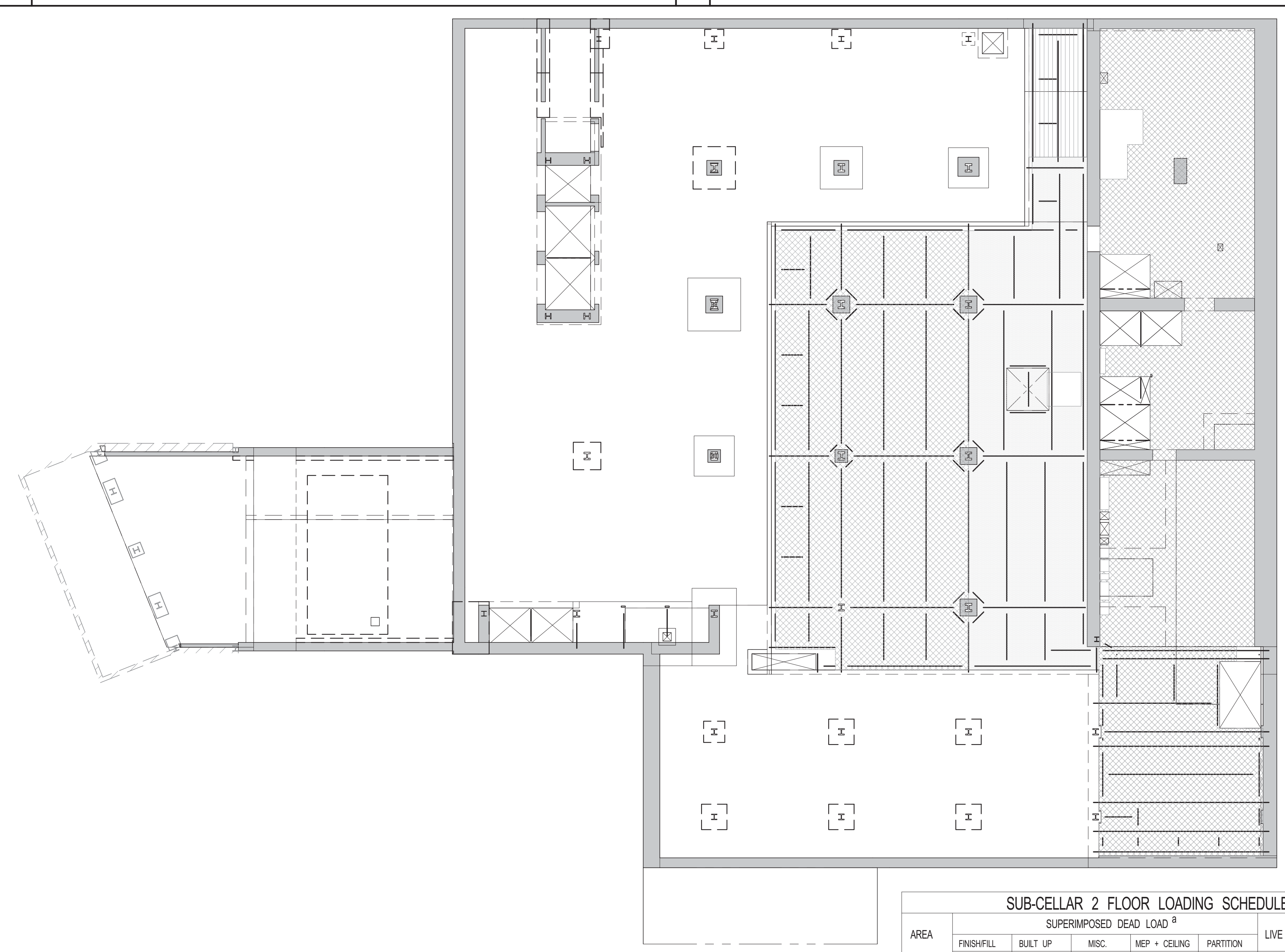
PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE: TYPICAL SUPERSTRUCTURE CONCRETE DETAILS 1

DATE: 03-31-14
PROJECT No: 2012185

DRAWN: CADD
CHK: Y.E.
SCALE: AS INDICATED
DWG No: S-620.01

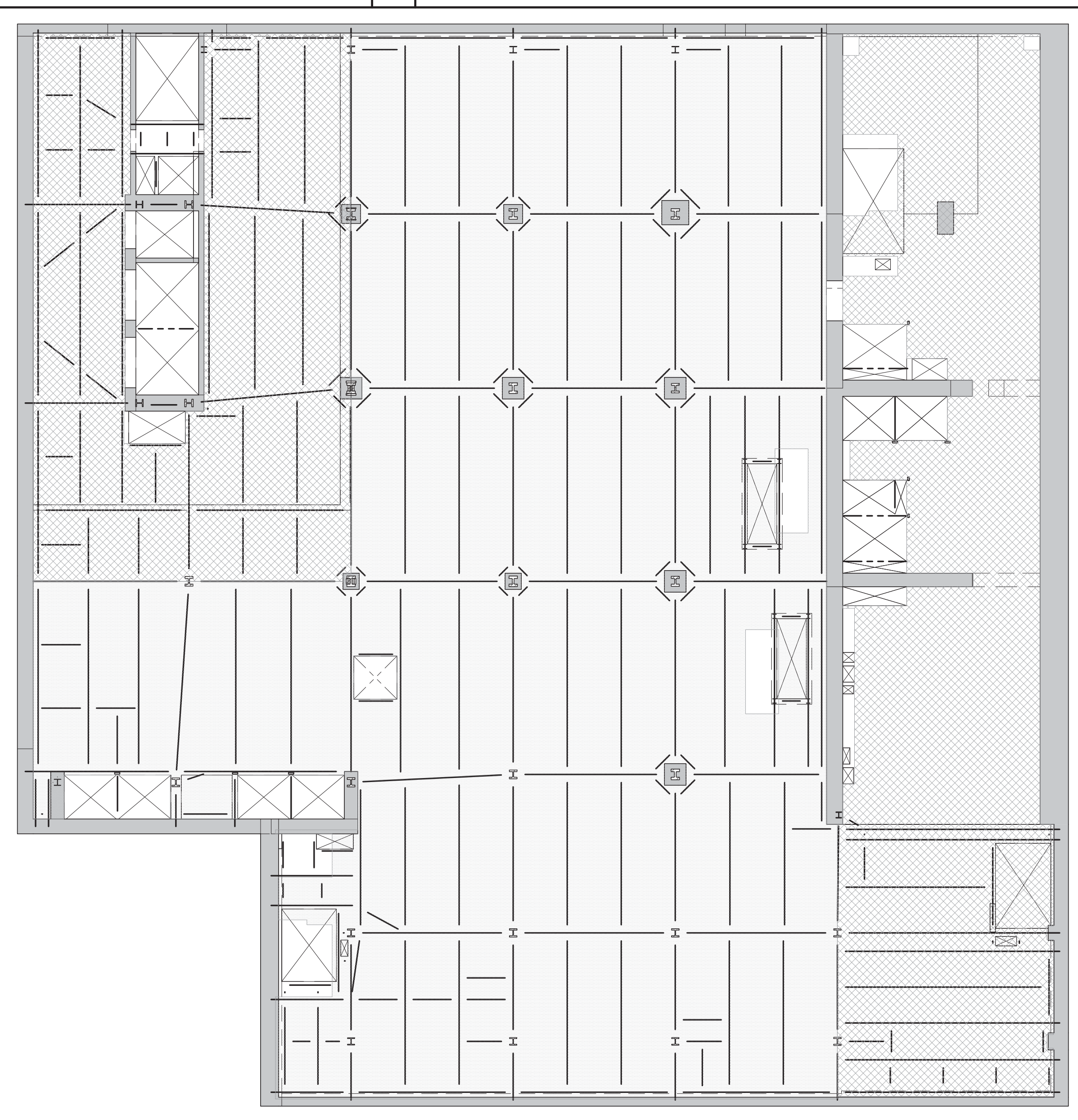
DOB PAGE No: 140 OF 158
DOB B-SCAN:



1 SUBCELLAR 2 LOADING DIAGRAM
S-670 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a					LIVE LOAD ^{b,c}	REMARKS
	FINISH ¹	BUILT UP	MISC.	MEP + CEILING	PARTITION		
[Pattern]	12	5	5	40	20	125	
[Pattern]	12	5	5	40	20	100	
[Pattern]	12	5	5	40	20	250	

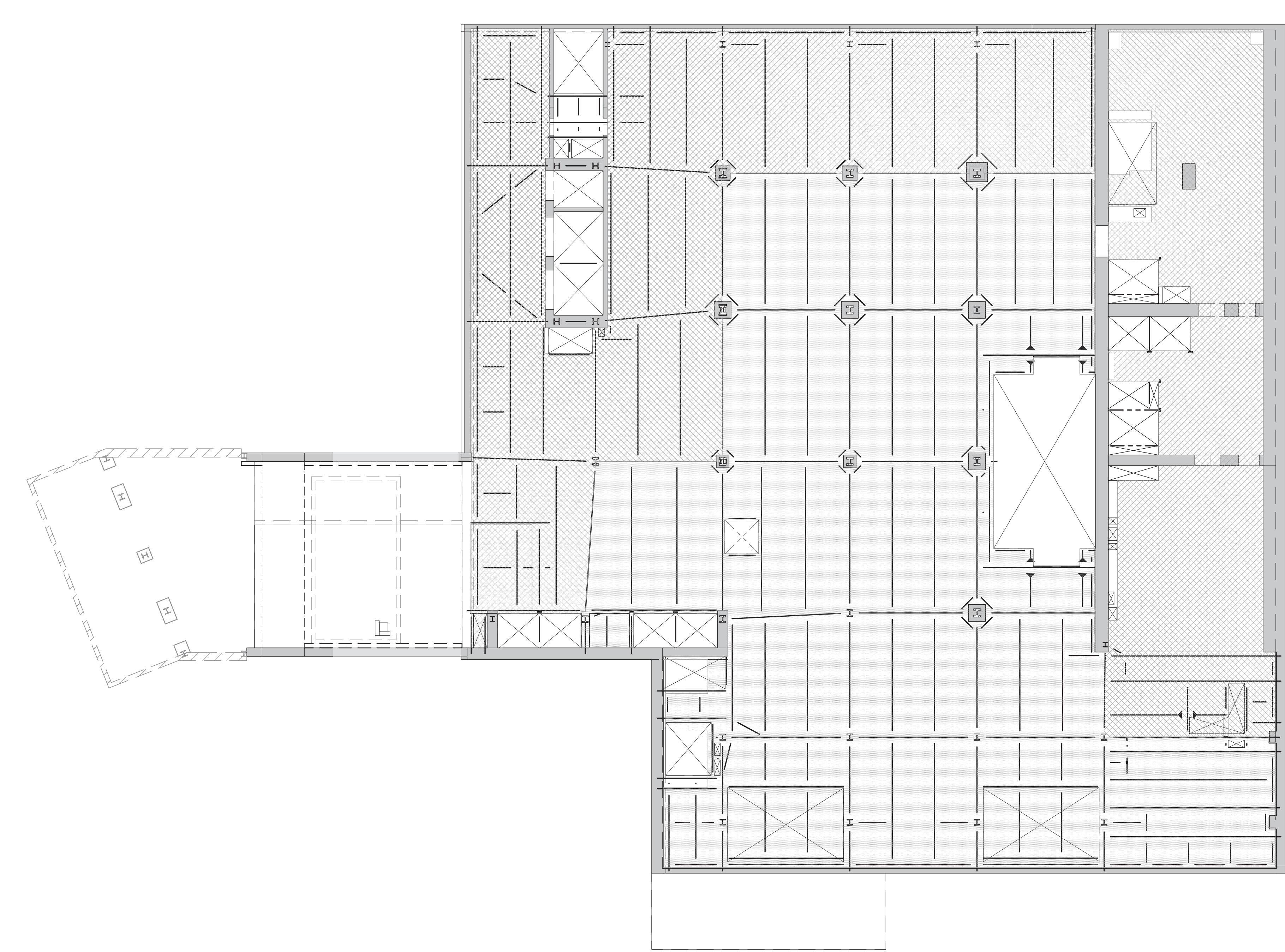
NOTES:
 a. DEAD LOAD IS BASED ON SLAB CONSTRUCTION AND FRAMING SELF-WEIGHT AS INDICATED ON THE CORRESPONDING FLOOR FRAMING.
 b. LIVE LOAD REDUCTION IS CONSIDERED BASED ON NYC BUILDING CODE.
 c. THE MAX. OF THE SPECIFIED LOAD IN THIS SCHEDULE OR SPECIFIED MECH. LOADS AS SHOWN ON DRAWINGS.



2 SUB CELLAR 1 LOADING DIAGRAM
S-670 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a					LIVE LOAD ^{b,c}	REMARKS
	FINISH ¹	BUILT UP	MISC.	MEP + CEILING	PARTITION		
[Pattern]	12	5	5	40	20	125	
[Pattern]	12	5	5	40	20	100	

NOTES:
 a. DEAD LOAD IS BASED ON SLAB CONSTRUCTION AND FRAMING SELF-WEIGHT AS INDICATED ON THE CORRESPONDING FLOOR FRAMING.
 b. LIVE LOAD REDUCTION IS CONSIDERED BASED ON NYC BUILDING CODE.
 c. THE MAX. OF THE SPECIFIED LOAD IN THIS SCHEDULE OR SPECIFIED MECH. LOADS AS SHOWN ON DRAWINGS.



3 CELLAR LOADING DIAGRAM
S-670 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a					LIVE LOAD ^{b,c}	REMARKS
	FINISH ¹	BUILT UP	MISC.	MEP + CEILING	PARTITION		
[Pattern]	12	5	5	40	20	125	
[Pattern]	12	5	5	40	20	100	

NOTES:
 a. DEAD LOAD IS BASED ON SLAB CONSTRUCTION AND FRAMING SELF-WEIGHT AS INDICATED ON THE CORRESPONDING FLOOR FRAMING.
 b. LIVE LOAD REDUCTION IS CONSIDERED BASED ON NYC BUILDING CODE.
 c. THE MAX. OF THE SPECIFIED LOAD IN THIS SCHEDULE OR SPECIFIED MECH. LOADS AS SHOWN ON DRAWINGS.



4 GROUND FLOOR LOADING DIAGRAM
S-670 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a					LIVE LOAD ^{b,c}	REMARKS
	FINISH ¹	BUILT UP	MISC.	MEP + CEILING	PARTITION		
[Pattern]	12	40	5	40	20	150	TENANT LOADING
[Pattern]	100					600	CONSTRUCTION LOADING SEE TYPICAL DETAILS FOR ADD. REINFORCING
[Pattern]	40					600	CONSTRUCTION LOADING SEE TYPICAL DETAILS FOR ADD. REINFORCING

NOTES:
 a. DEAD LOAD IS BASED ON SLAB CONSTRUCTION AND FRAMING SELF-WEIGHT AS INDICATED ON THE CORRESPONDING FLOOR FRAMING.
 b. LIVE LOAD REDUCTION IS CONSIDERED BASED ON NYC BUILDING CODE.
 c. THE MAX. OF THE SPECIFIED LOAD IN THIS SCHEDULE OR SPECIFIED MECH. LOADS AS SHOWN ON DRAWINGS.
 d. LIVE LOAD CONSIDERED IS FOR H20 OR CONCRETE TRUCK AT ANY LOCATION.
 e. ** MAX. LOAD CASE BETWEEN TENANT OR CONSTRUCTION LOADING, WHICHEVER IS GOVERNS.

KEY PLAN

PROJECT NORTH

DEVELOPER: EXTRELL DEVELOPMENT COMPANY
805 THIRD AVENUE, 7TH FLOOR
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LANDMARK/PRESERVATION CONSULTANT: Jan Hind Pokorny Associates, Inc.
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No.	DESCRIPTION	DATE
1	DOB FILING SET	06-17-2014
2	DESIGN DEVELOPMENT	07-01-2014
3	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
4	SE ZONE STEEL BID	08-20-2014
5	STRUCTURAL STEEL BID	09-15-2014
6	STRUCTURAL STEEL BID-ADDENDUM	10-01-2014
7	CD PROGRESS ISSUE 1	10-15-2014
8	ISSUED FOR CONSTRUCTION UP TO GROUND FLOOR ONLY	10-17-2014
9	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
10	DOB SUBMISSION	12-19-2014

DOB SUBMISSION

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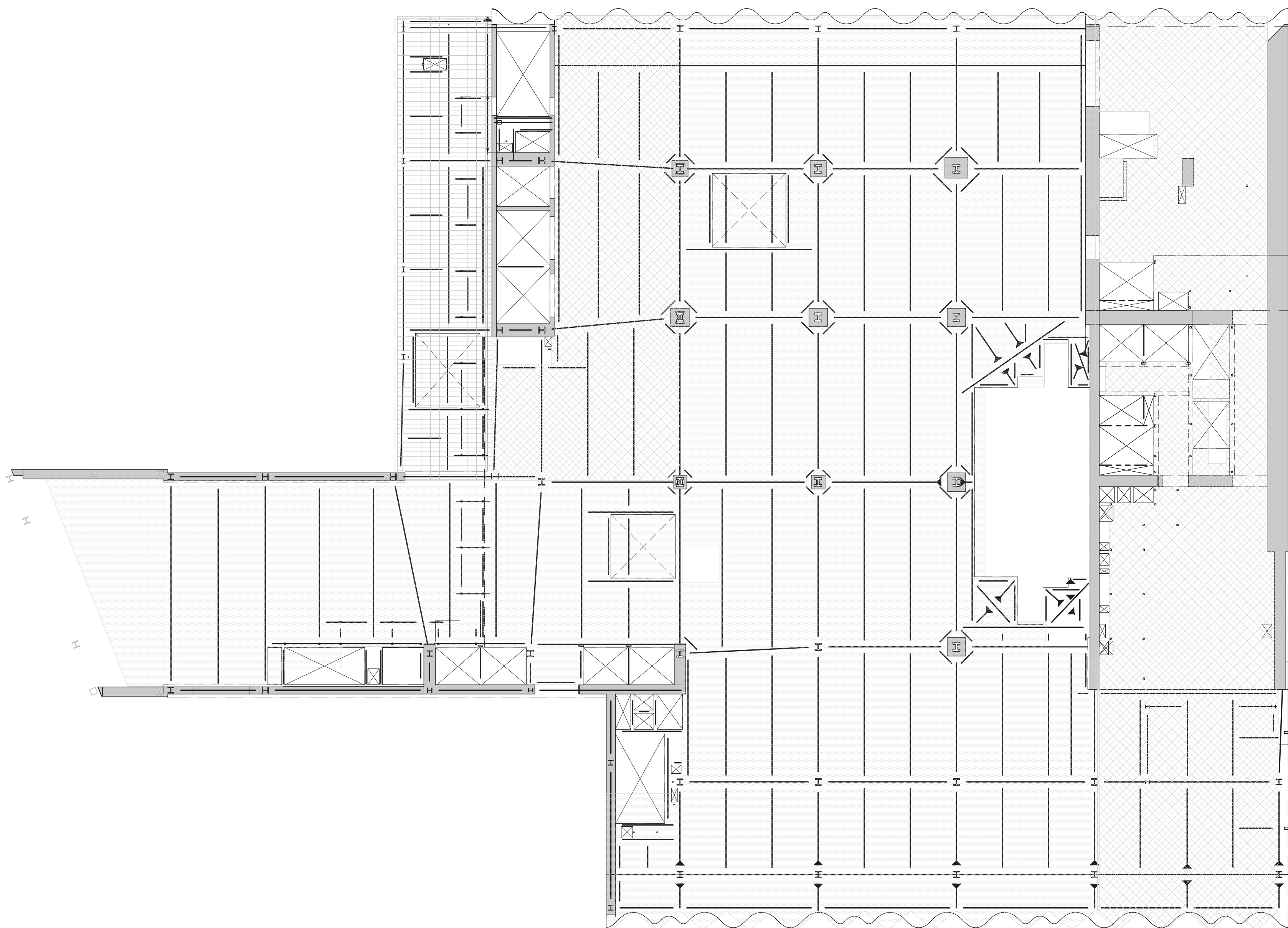
PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

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PROJECT No: 2012185
DRAWN: CADDO REV: 10
CHK: YE SCALE: 1/16" = 1'-0"
DWG No: S-670.00
DOB PAGE No: 110 OF 118
DOB EMPLOYEE STAMP: [Stamp] DOB S-CAN:

Damian Titus
Buildings APPROVED
Under Directive 2 of 1975
Date: 07/09/2015
NYC Development Hub

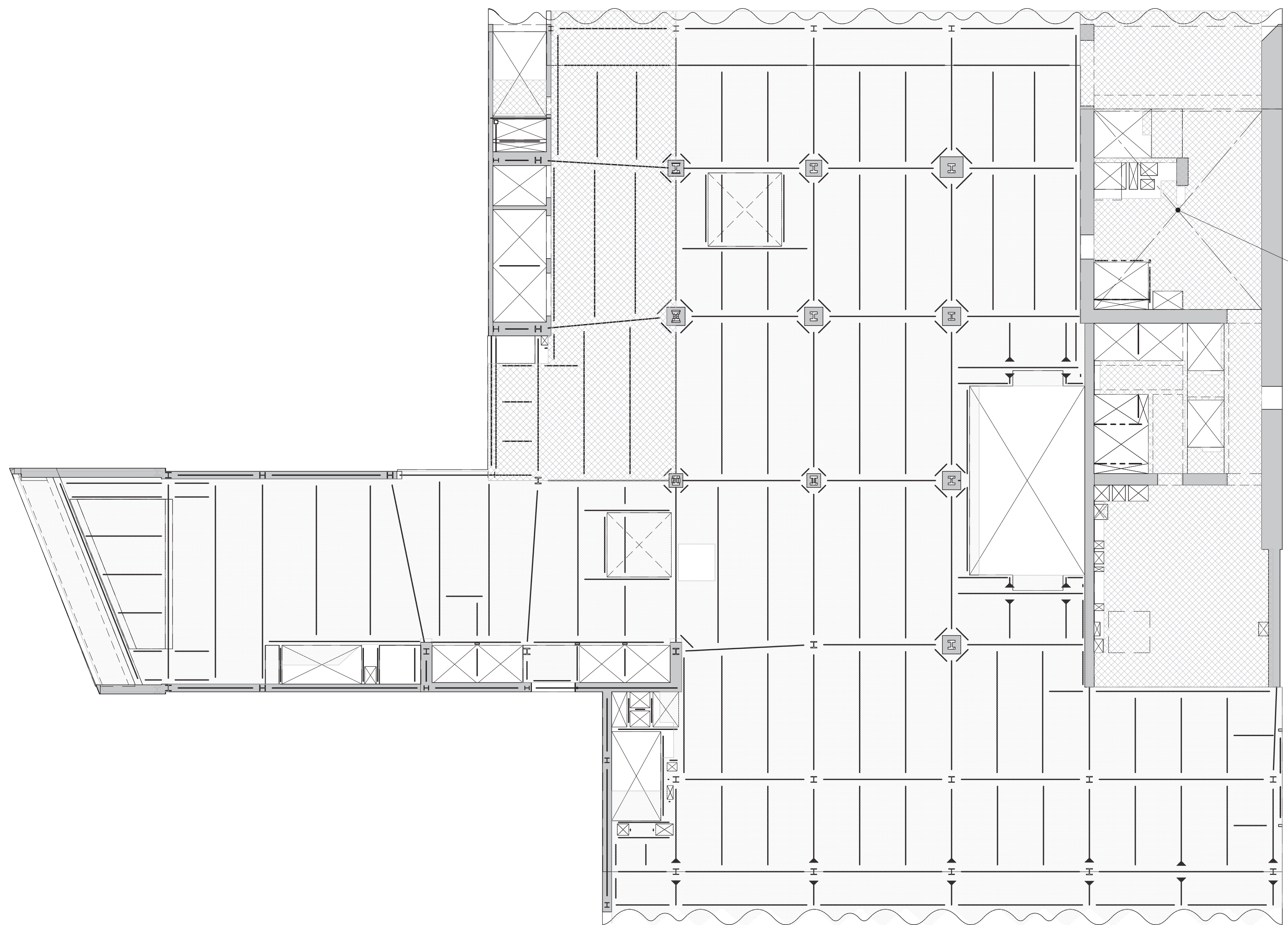
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1 2ND FLOOR LOADING DIAGRAM
S-671 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a					LIVE LOAD ^{b,c}	REMARKS
	FINISH ¹	BUILT UP	MISC.	MEP + CEILING	PARTITION		
[Pattern]	12	5	40	20	125		
[Pattern]	12	5	40	20	75		
[Pattern]	50	75	5	40	100		

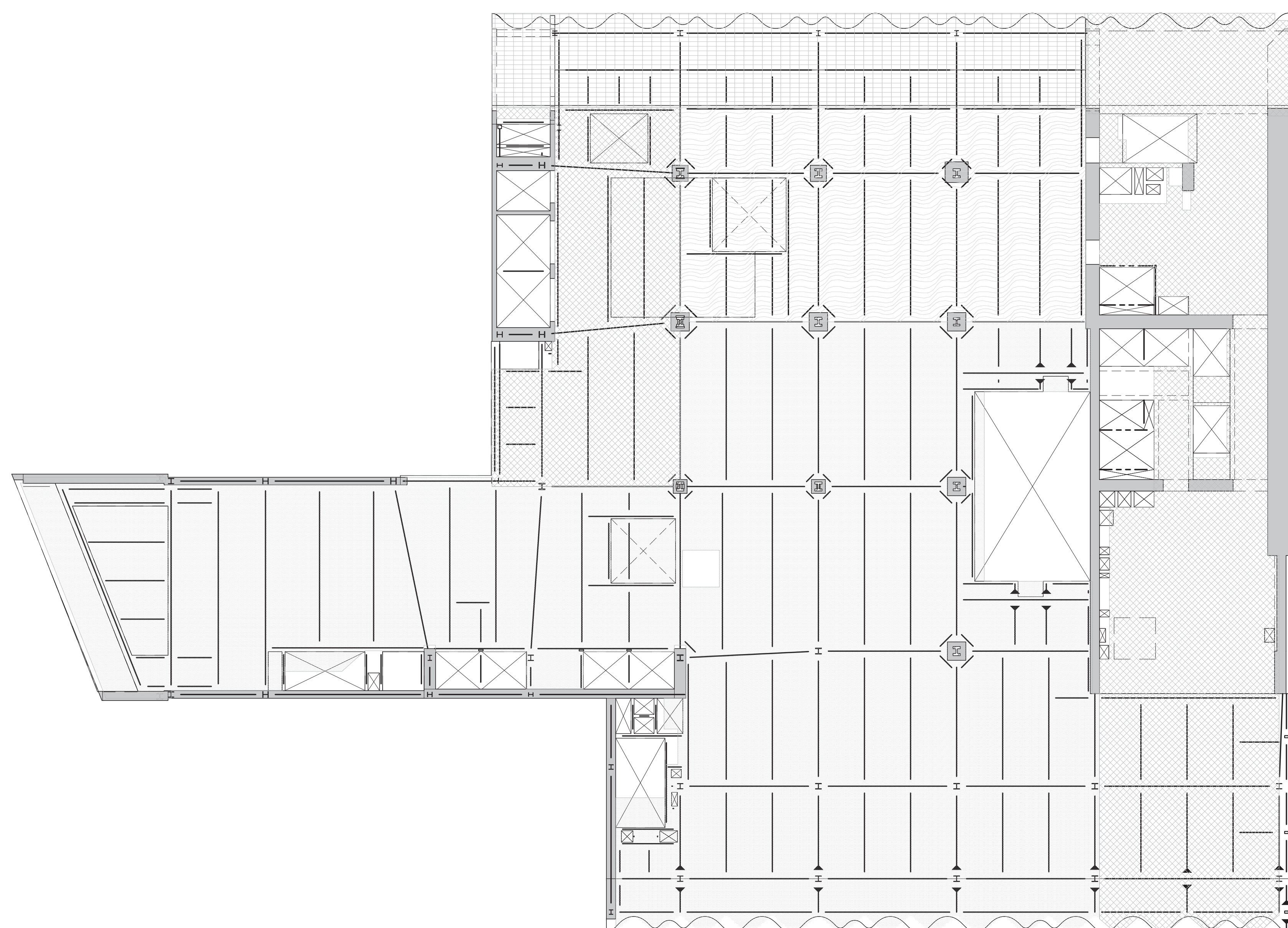
NOTES:
a. DEAD LOAD IS BASED ON SLAB CONSTRUCTION AND FRAMING SELF-WEIGHT AS INDICATED ON THE CORRESPONDING FLOOR FRAMING.
b. LIVE LOAD REDUCTION IS CONSIDERED BASED ON NYC BUILDING CODE.
c. THE MAX. OF THE SPECIFIED LOAD IN THIS SCHEDULE OR SPECIFIED MECH. LOADS AS SHOWN ON DRAWINGS.



2 3RD-4TH FLOOR LOADING DIAGRAM
S-671 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a					LIVE LOAD ^{b,c}	REMARKS
	FINISH ¹	BUILT UP	MISC.	MEP + CEILING	PARTITION		
[Pattern]	12	5	40	20	125		
[Pattern]	12	5	40	20	75		

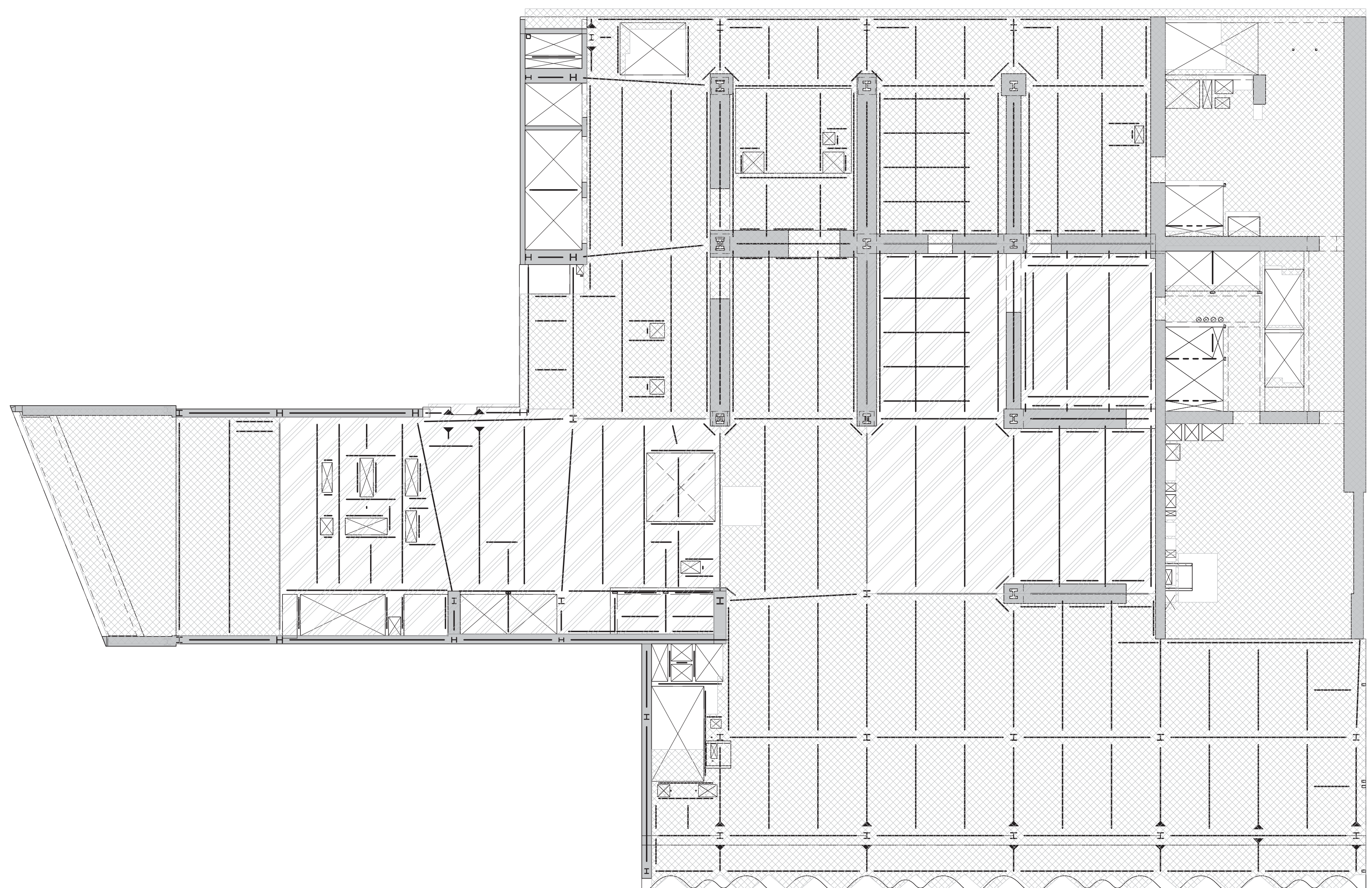
NOTES:
a. DEAD LOAD IS BASED ON SLAB CONSTRUCTION AND FRAMING SELF-WEIGHT AS INDICATED ON THE CORRESPONDING FLOOR FRAMING.
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c. THE MAX. OF THE SPECIFIED LOAD IN THIS SCHEDULE OR SPECIFIED MECH. LOADS AS SHOWN ON DRAWINGS.



3 5TH FLOOR LOADING DIAGRAM
S-671 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a					LIVE LOAD ^{b,c}	REMARKS
	FINISH ¹	BUILT UP	MISC.	MEP + CEILING	PARTITION		
[Pattern]	12	5	40	20	125		
[Pattern]	12	5	40	20	75		
[Pattern]	50	75	5	40	100		
[Pattern]	12	5	40	20	100		

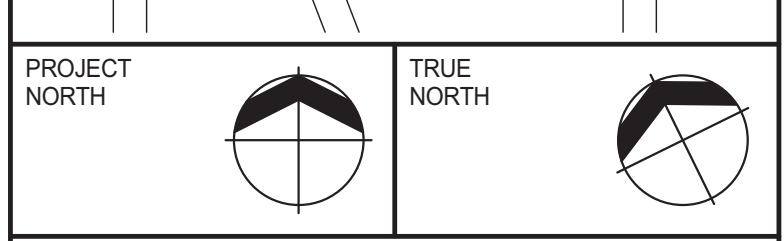
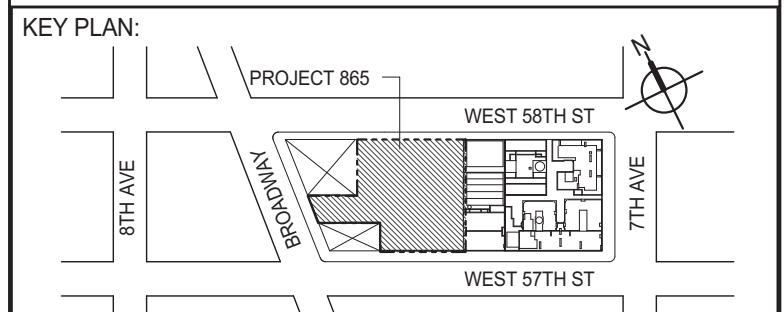
NOTES:
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c. THE MAX. OF THE SPECIFIED LOAD IN THIS SCHEDULE OR SPECIFIED MECH. LOADS AS SHOWN ON DRAWINGS.



4 6TH FLOOR LOADING DIAGRAM
S-671 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a					LIVE LOAD ^{b,c}	REMARKS
	FINISH ¹	BUILT UP	MISC.	MEP + CEILING	PARTITION		
[Pattern]	5	40			150		MEP FLOOR
[Pattern]	5	40			300		MEP FLOOR

NOTES:
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5	STRUCTURAL STEEL BID-ADDENDUM	10-01-2014
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8	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
9	DOB SUBMISSION	12-19-2014
10	DOB AMENDMENT 2	09-18-2015

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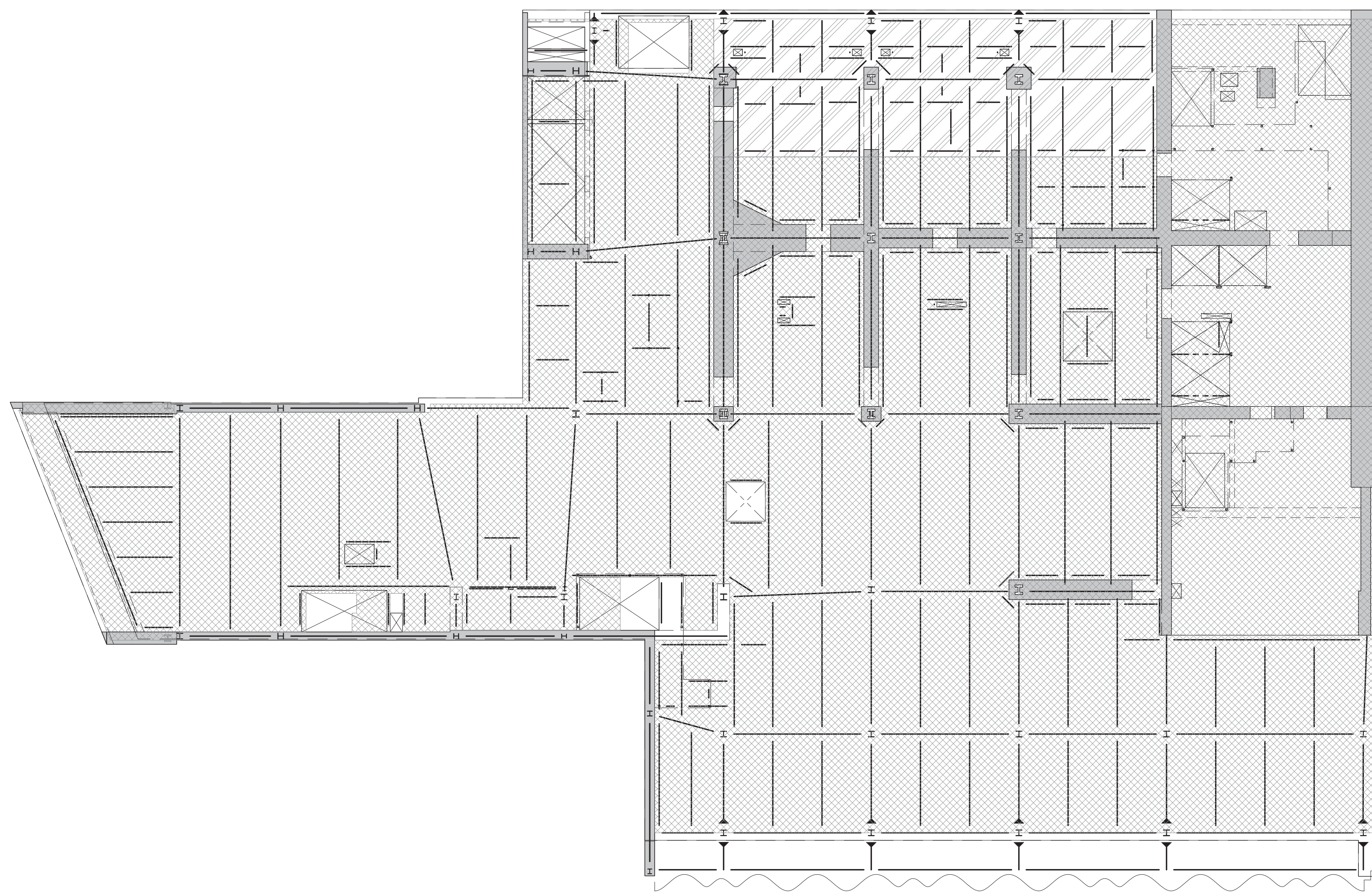
PROJECT:
217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE:
LOADING DIAGRAMS 2

DATE:	06-17-2014
PROJECT No:	2012185
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CHK: YE	10
SCALE: 1/16" = 1'-0"	
DWG No:	
S-671.01	

DOB EMPLOYEE STAMP: DOB PAGE No: 147 OF 158 DOB S-CAN:

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 PLOT SHEET: 1 OF 1



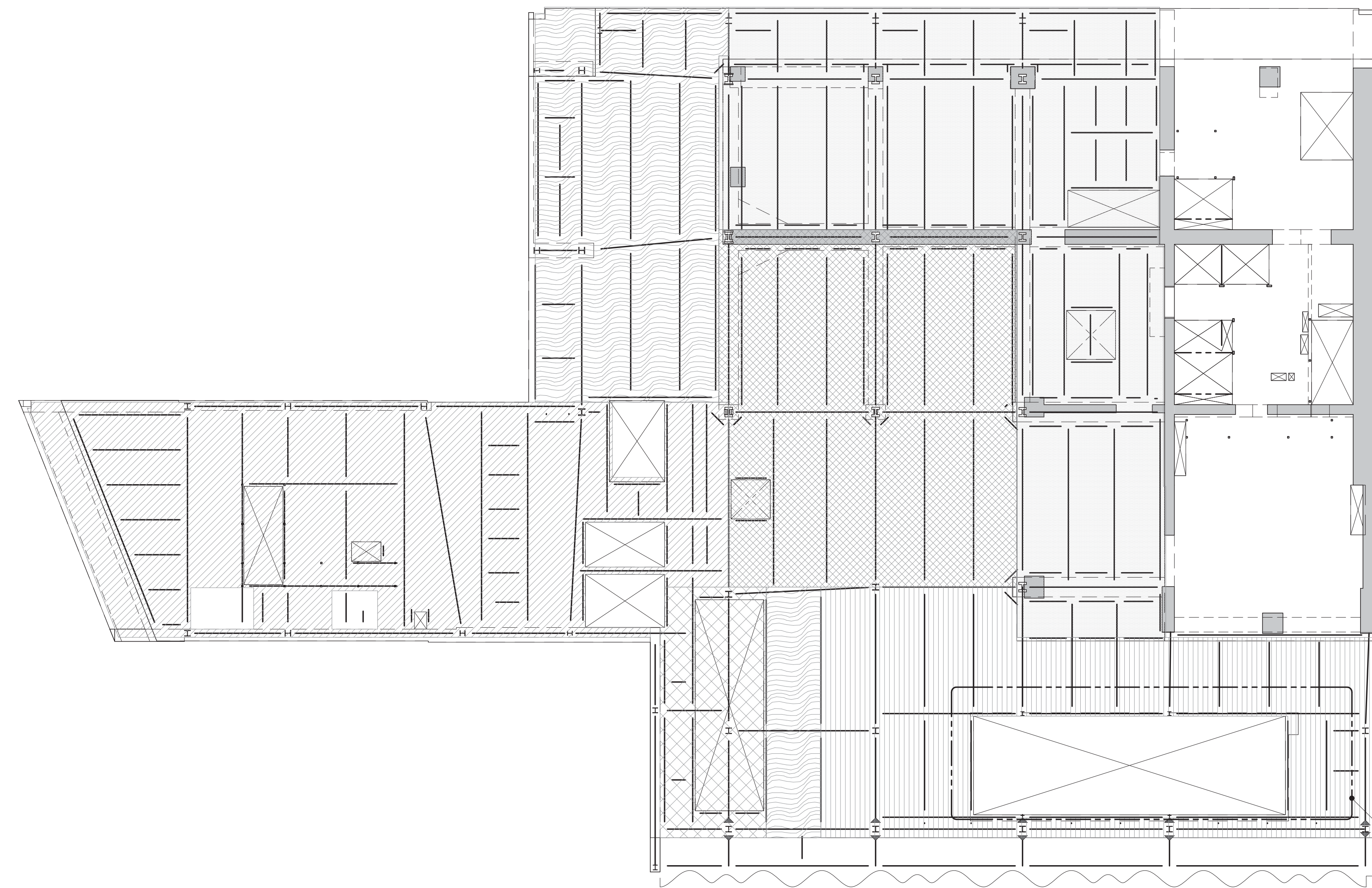
1 7TH FLOOR LOADING DIAGRAM
S-672 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a					LIVE LOAD ^{b,c}	REMARKS
	FINISH/FLL [lb/ft ²]	BUILT UP [lb/ft ²]	MISC. [lb/ft ²]	MEP + CEILING [lb/ft ²]	PARTITION (PSF)		
			5	40		150	MEP FLOOR
			5	40		600	SEE TYP. DETAILS FOR ADDL. REINFORCEMENT

NOTES:
 a. DEAD LOAD IS BASED ON SLAB CONSTRUCTION AND FRAMING SELF-WEIGHT AS INDICATED ON THE CORRESPONDING FLOOR FRAMING.
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 c. THE MAX. OF THE SPECIFIED LOAD IN THIS SCHEDULE OR SPECIFIED MECH LOADS AS SHOWN ON DRAWINGS.

OCCUPANCY	PARTITION/FLL & OR FINISHES (PSF)	CEIL. & MECH (PSF)	LIVE LOAD
ROOF	40	10	30
MECHANICAL ROOF ¹	40	10	150
ACCESSIBLE ROOF/ TERRACES	35	10	75
LOBBIES/STAIRS/ CORRIDORS	30	10	100
RESIDENTIAL/HOTEL	50	2	40
MECHANICAL ROOMS	20	10	150
GYM	20	10	100
LIGHT STORAGE	30	10	100
LIBRARY	30	10	60
RETAIL	35	10	75

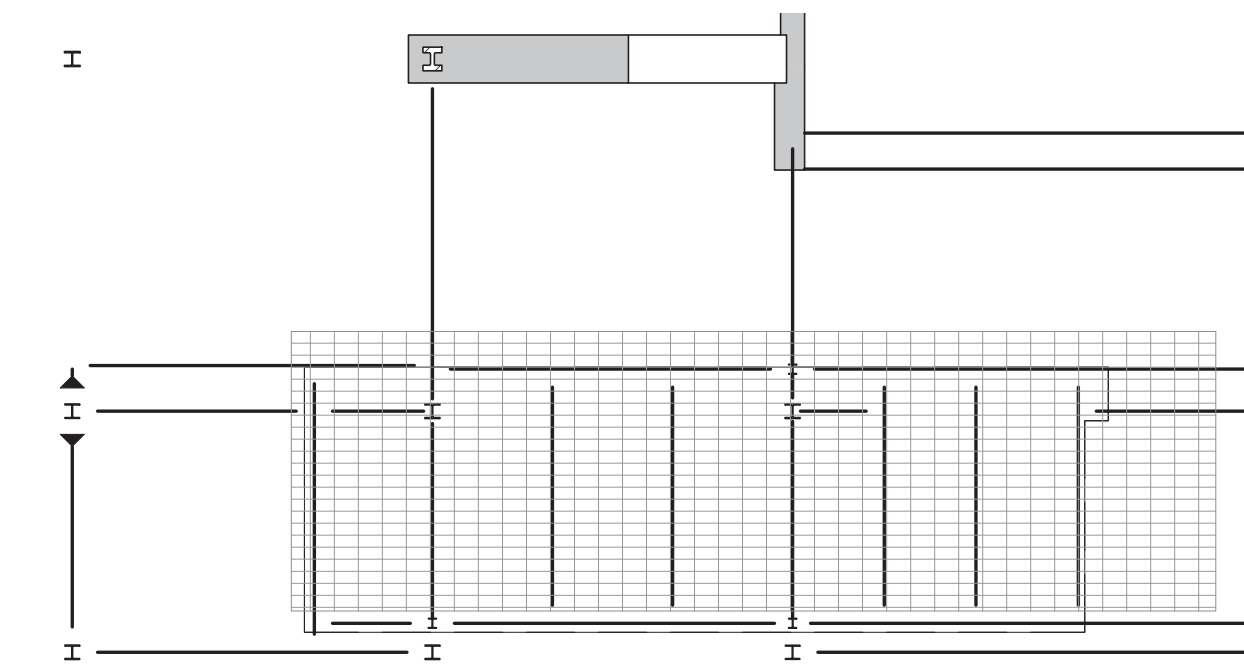
NOTES:
 1. LOADS ARE AS SHOWN ABOVE U.O.N. ON PLAN.
 2. LIVE LOAD FOR MECHANICAL SPACES SHALL INCLUDE DEFINED EQUIPMENT WEIGHTS.



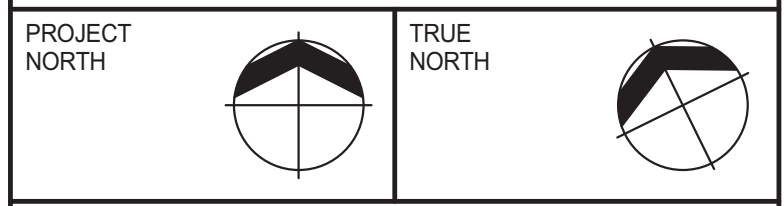
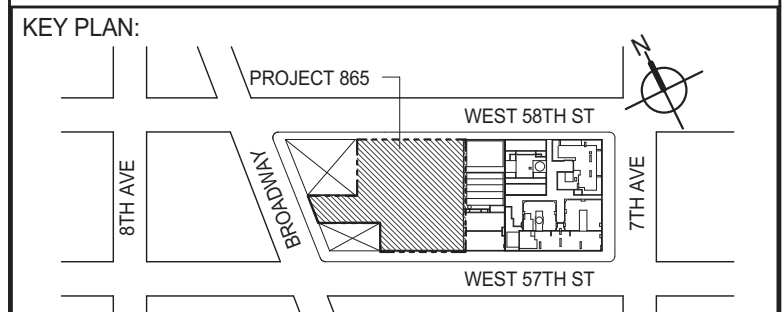
2 8TH FLOOR LOADING DIAGRAM
S-672 SCALE: 1/16" = 1'-0"

AREA	SUPERIMPOSED DEAD LOAD ^a					LIVE LOAD ^{b,c}	REMARKS
	FINISH/FLL [lb/ft ²]	BUILT UP [lb/ft ²]	MISC. [lb/ft ²]	MEP + CEILING [lb/ft ²]	PARTITION (PSF)		
		75	5	40		100	SEE TYPICAL DETAILS FOR ADDL. REINFORCEMENT
		75	5	40		600	SEE TYPICAL DETAILS FOR ADDL. REINFORCEMENT
		75	5	40		425	SEE TYPICAL DETAILS FOR ADDL. REINFORCEMENT
		50	75	5	40	150	
		400	75	5	40	100	SEE TYPICAL DETAILS FOR ADDL. REINFORCEMENT
		90		5	40	150	
		100	75	5	40	300	CONSTRUCTION LOADING. SEE TYPICAL DETAILS FOR ADDL. REINFORCEMENT
		450	75	5	40	100	SEE TYPICAL DETAILS FOR ADDL. REINFORCEMENT

NOTES:
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2A POOL FLOOR LOADING DIAGRAM
S-672 SCALE: 1/16" = 1'-0"



DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
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DOB SUBMISSION

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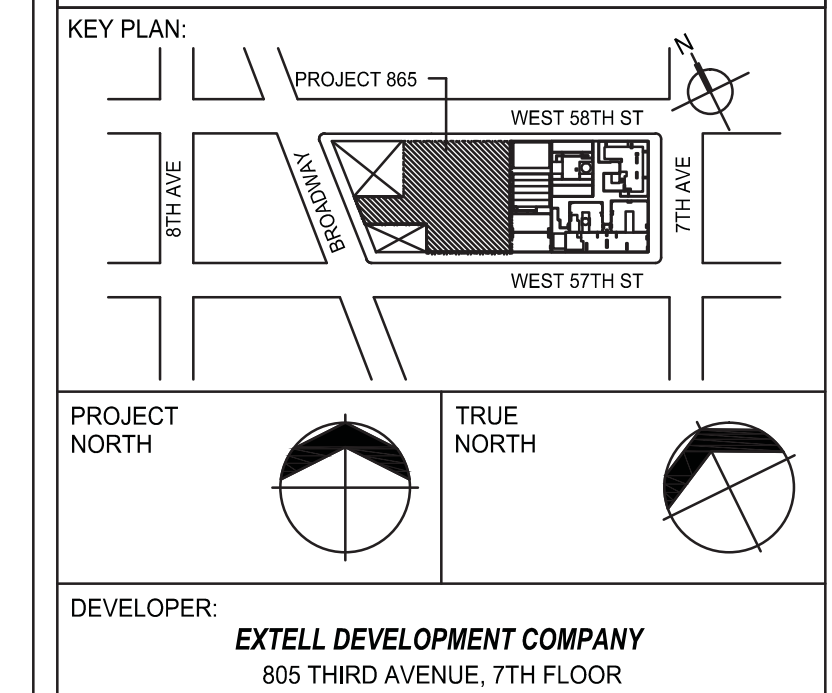
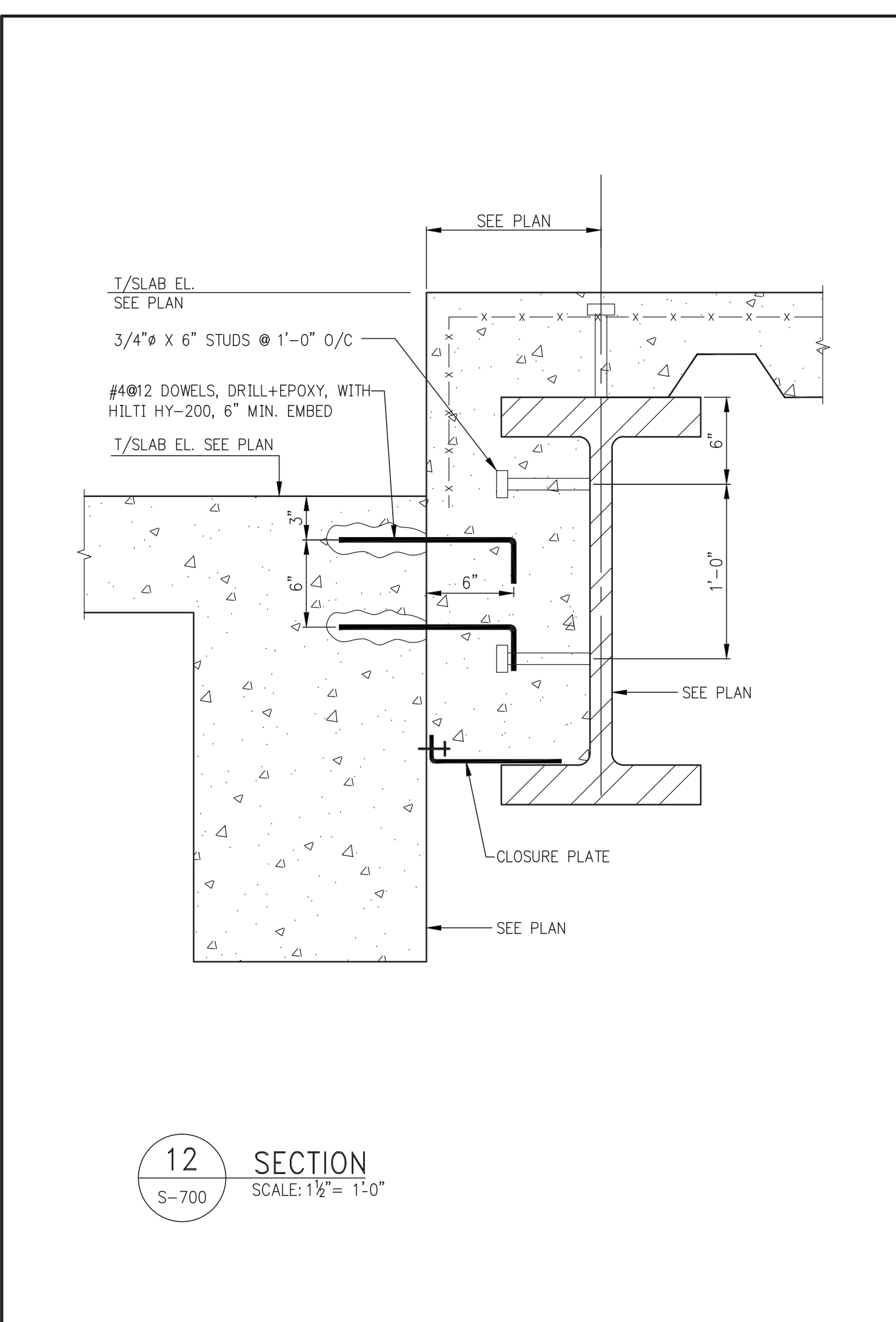
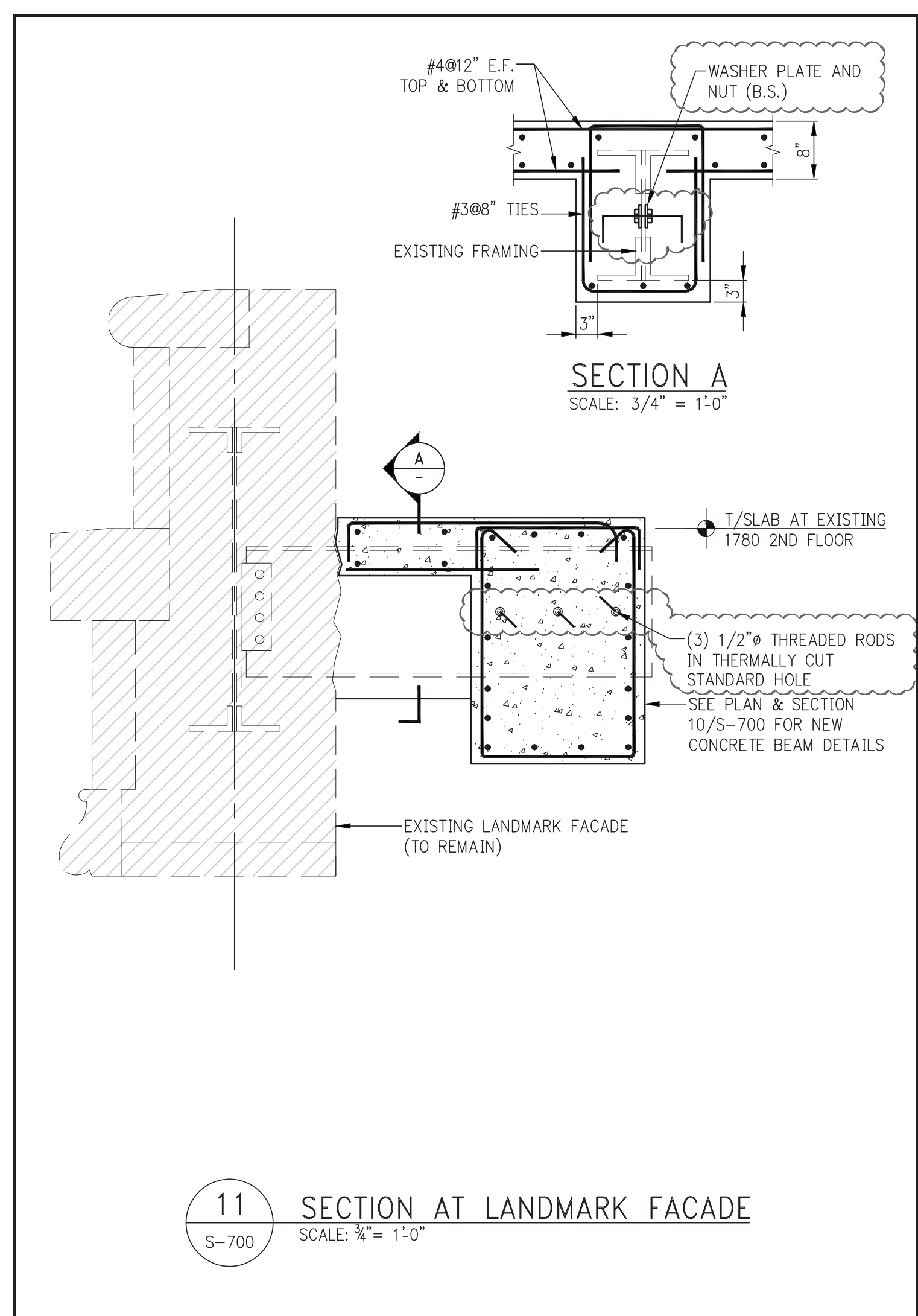
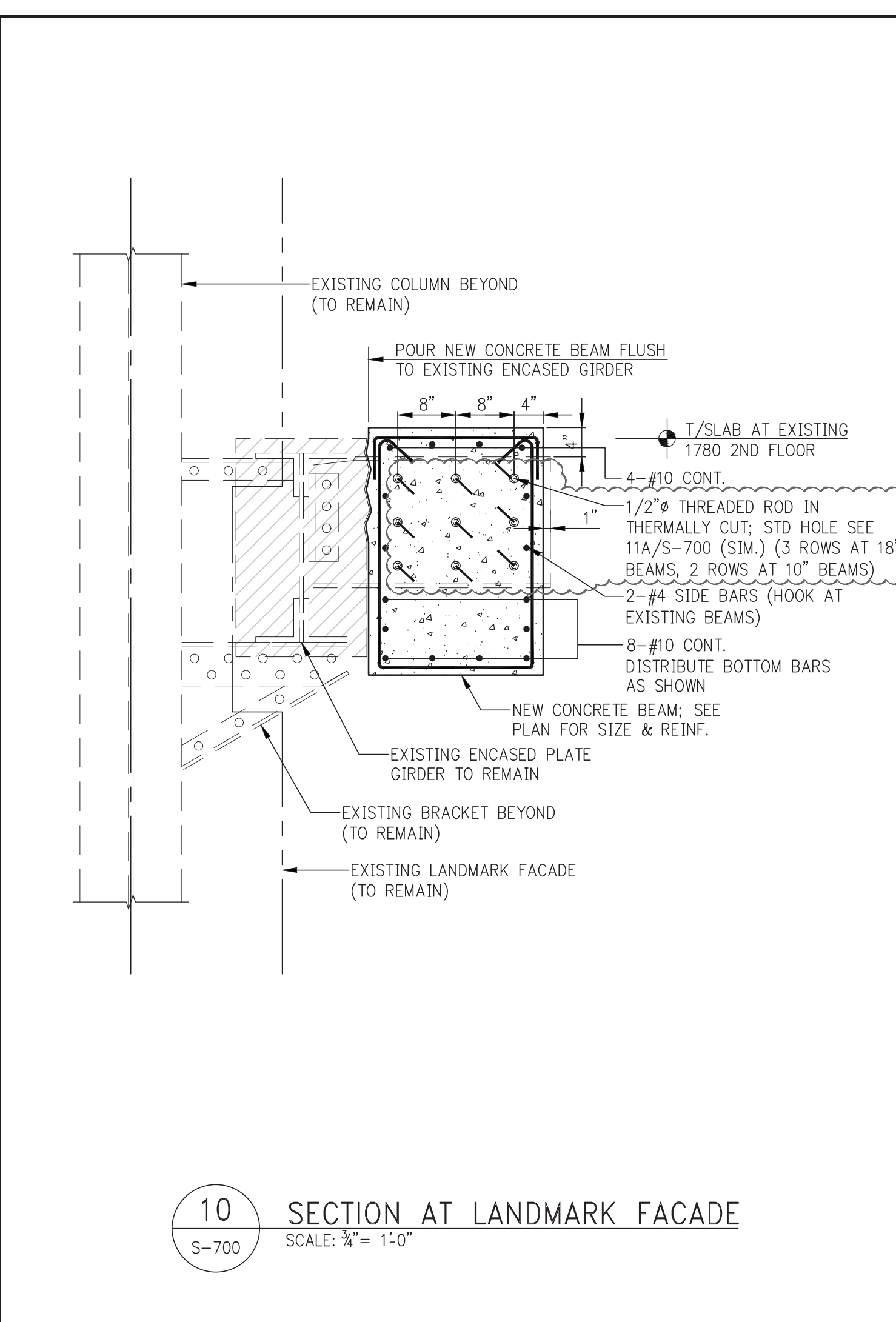
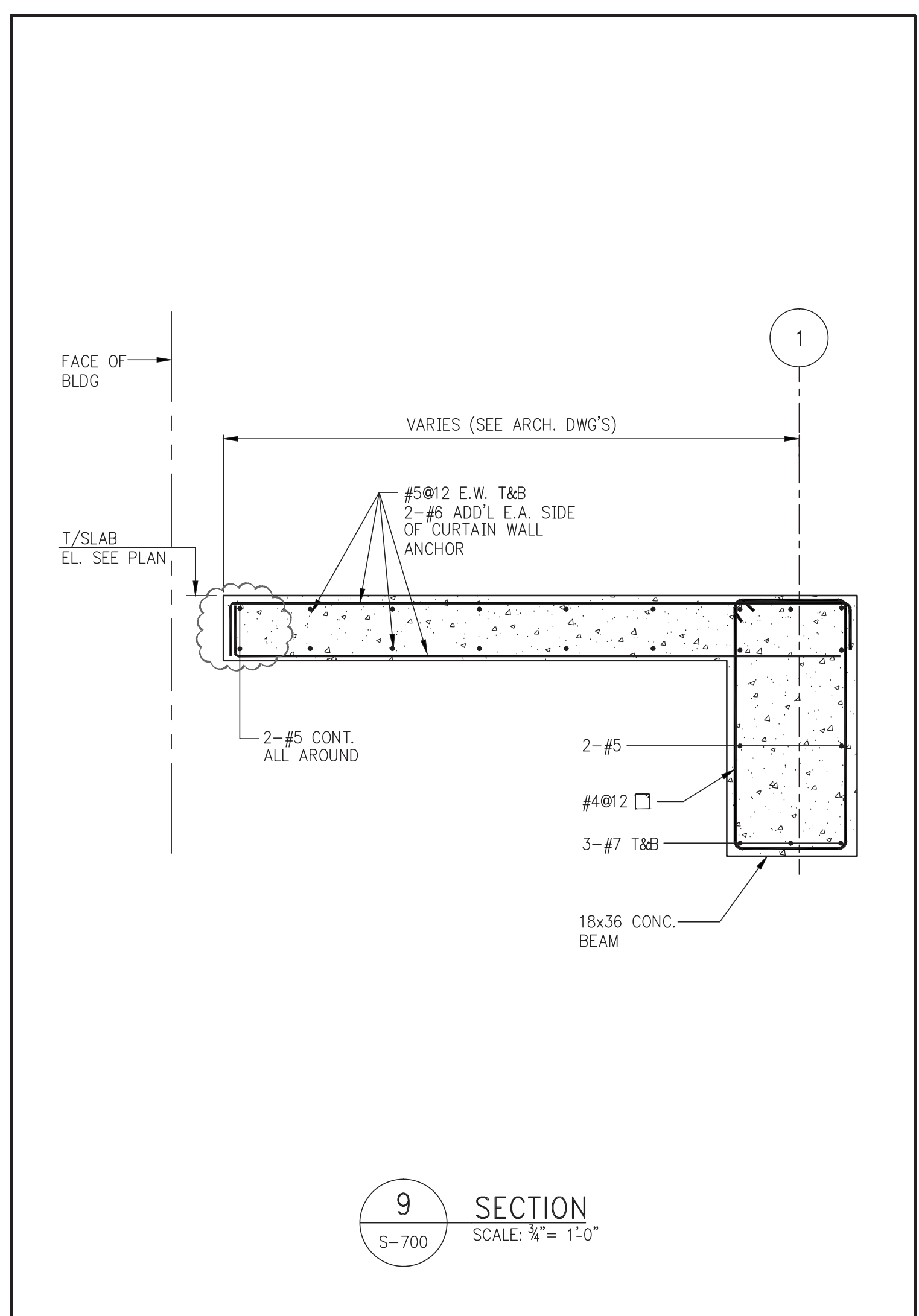
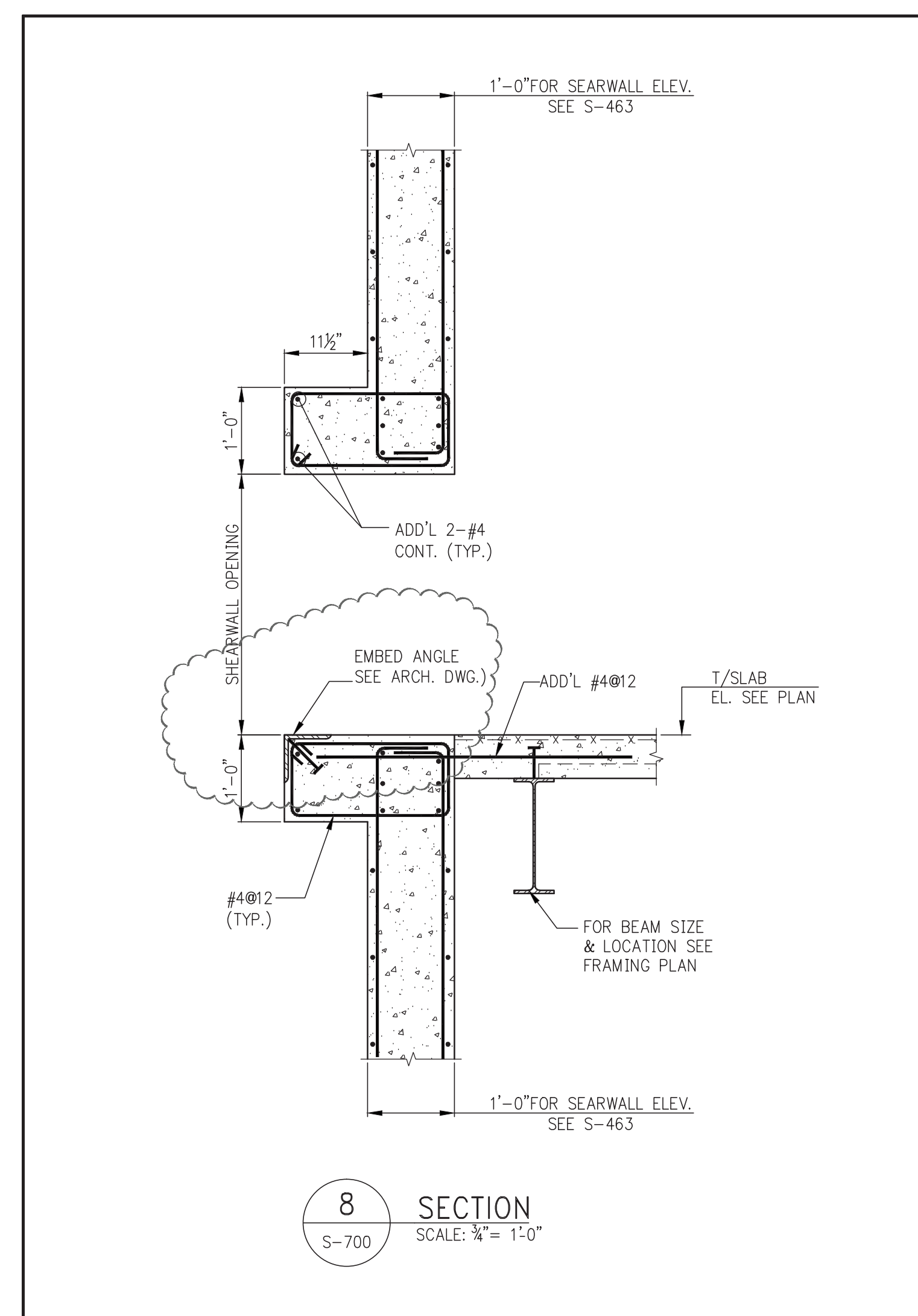
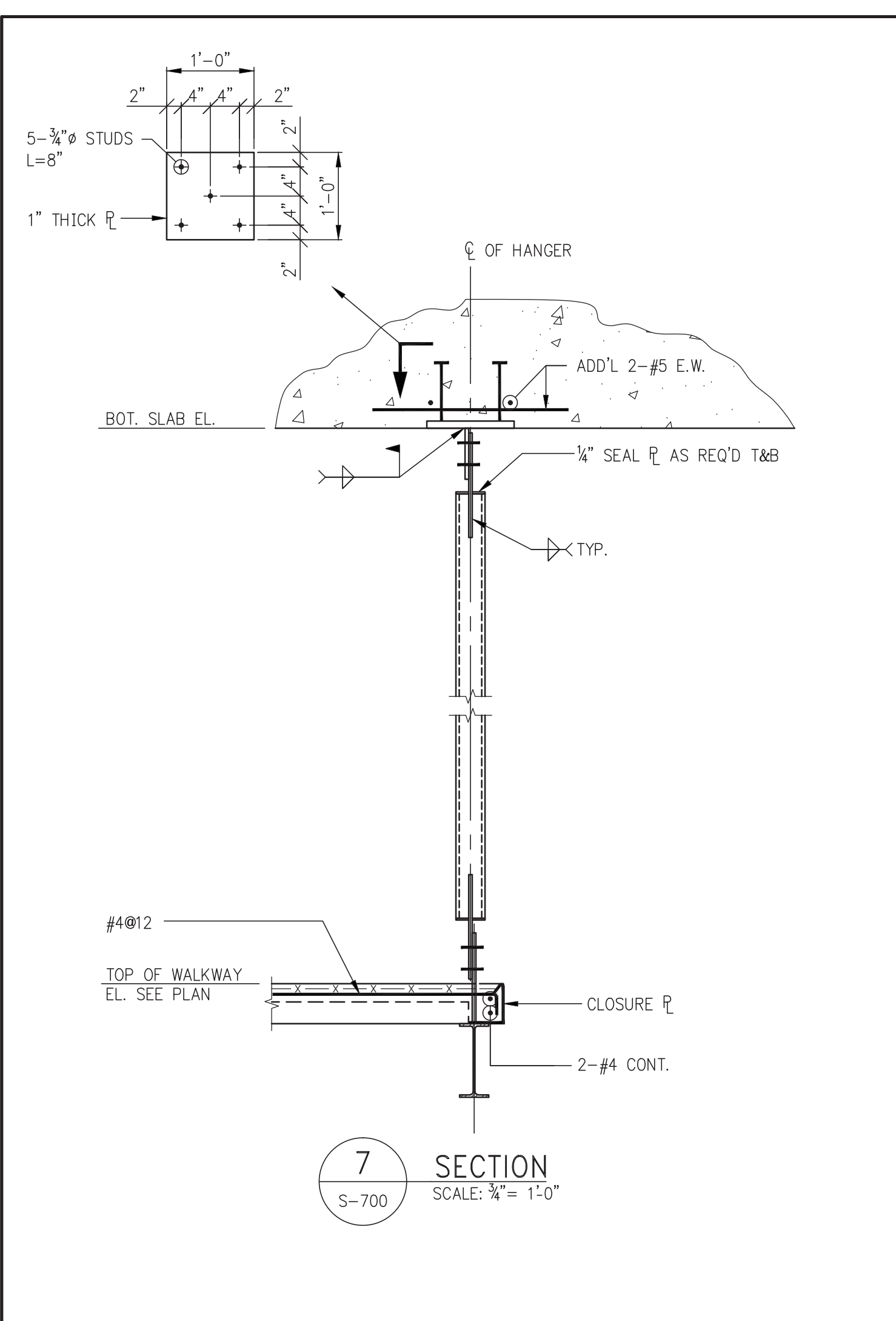
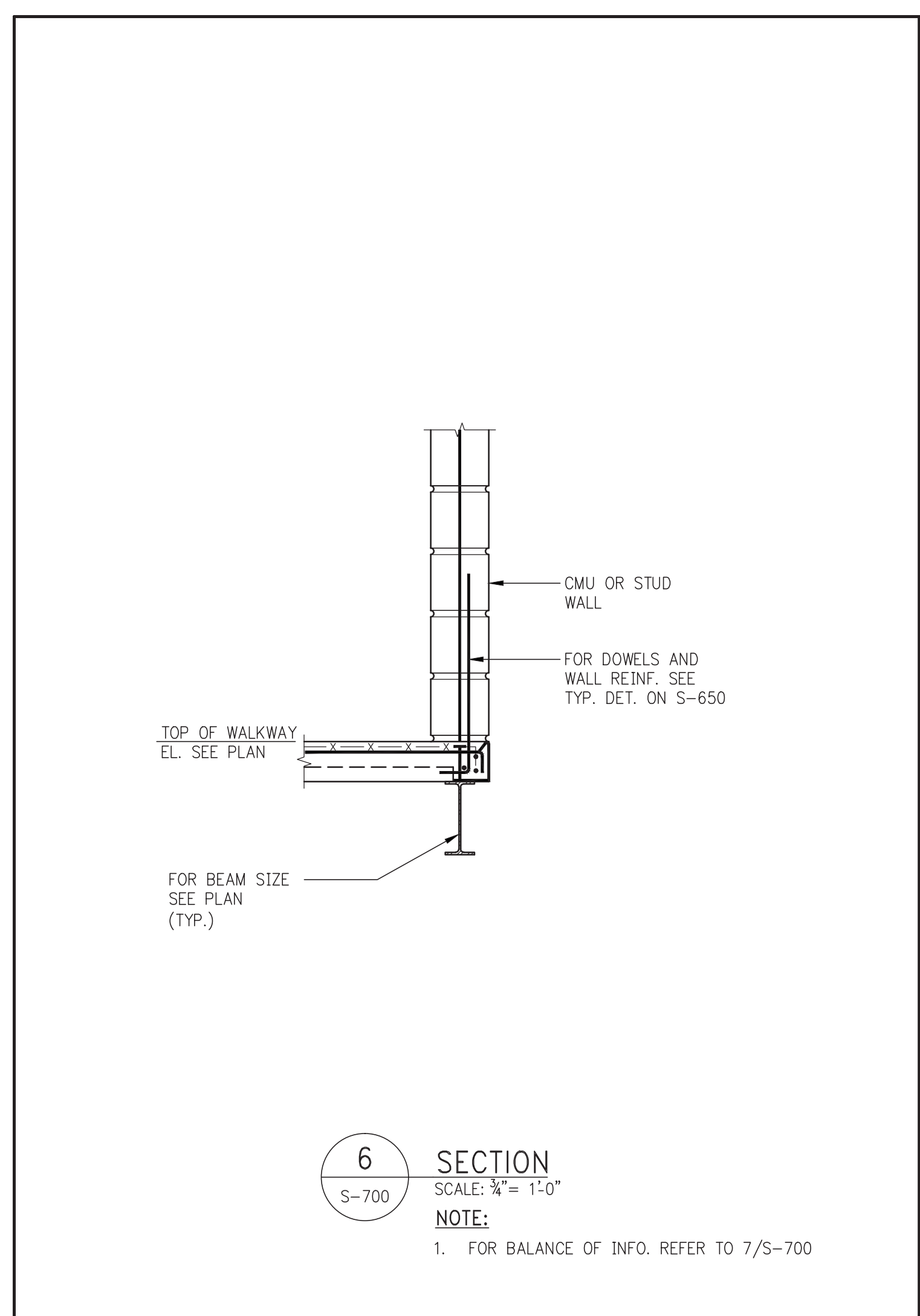
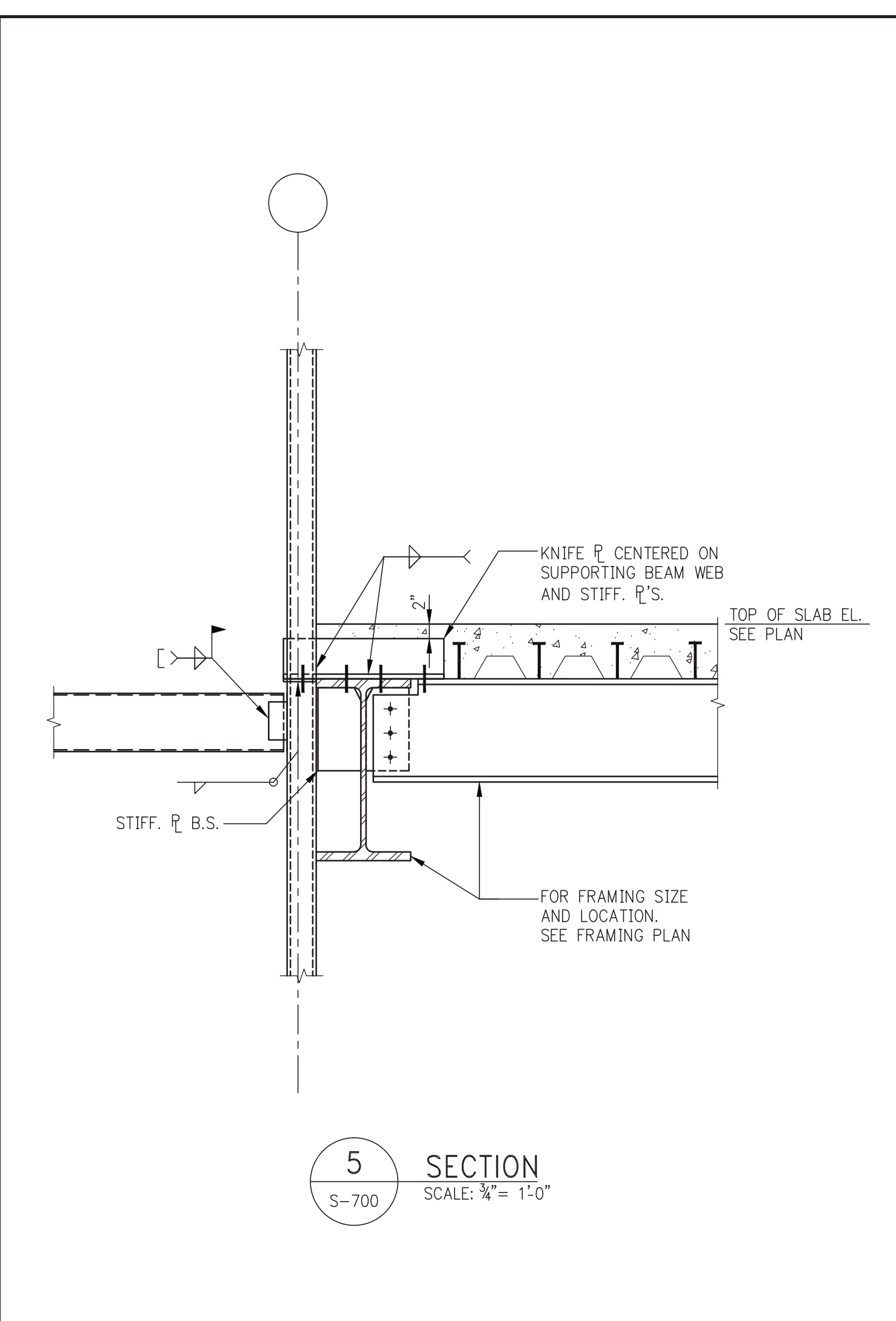
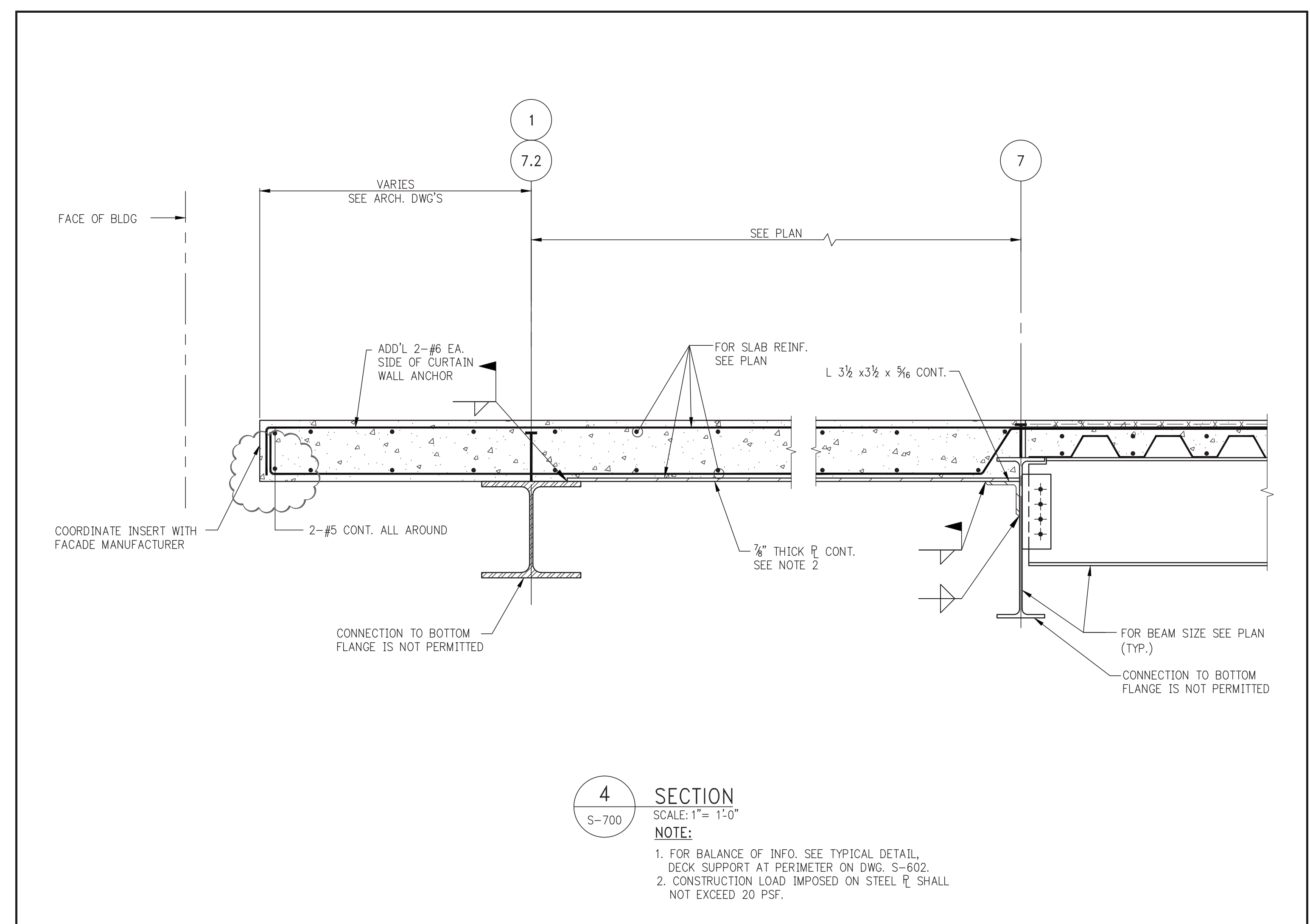
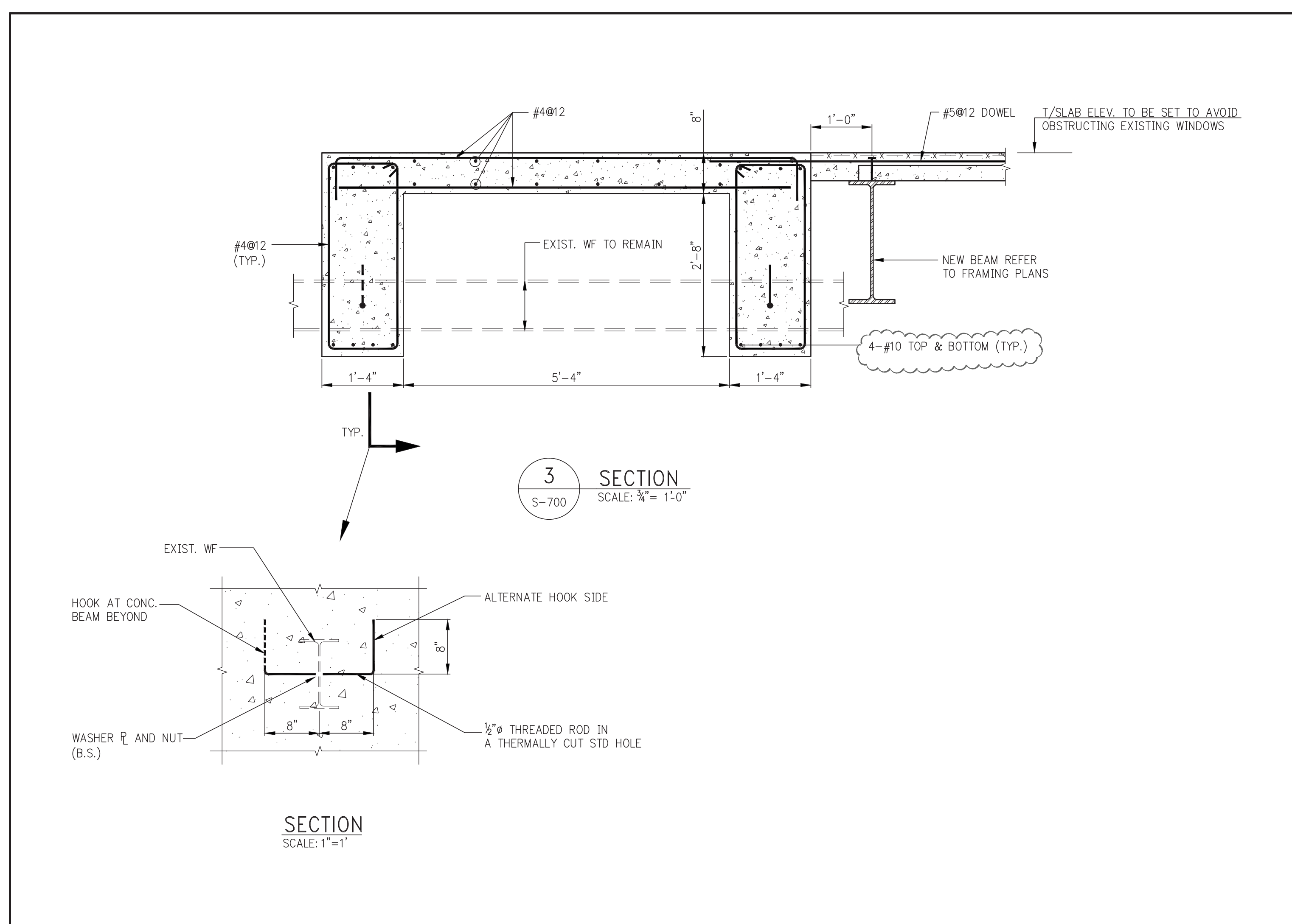
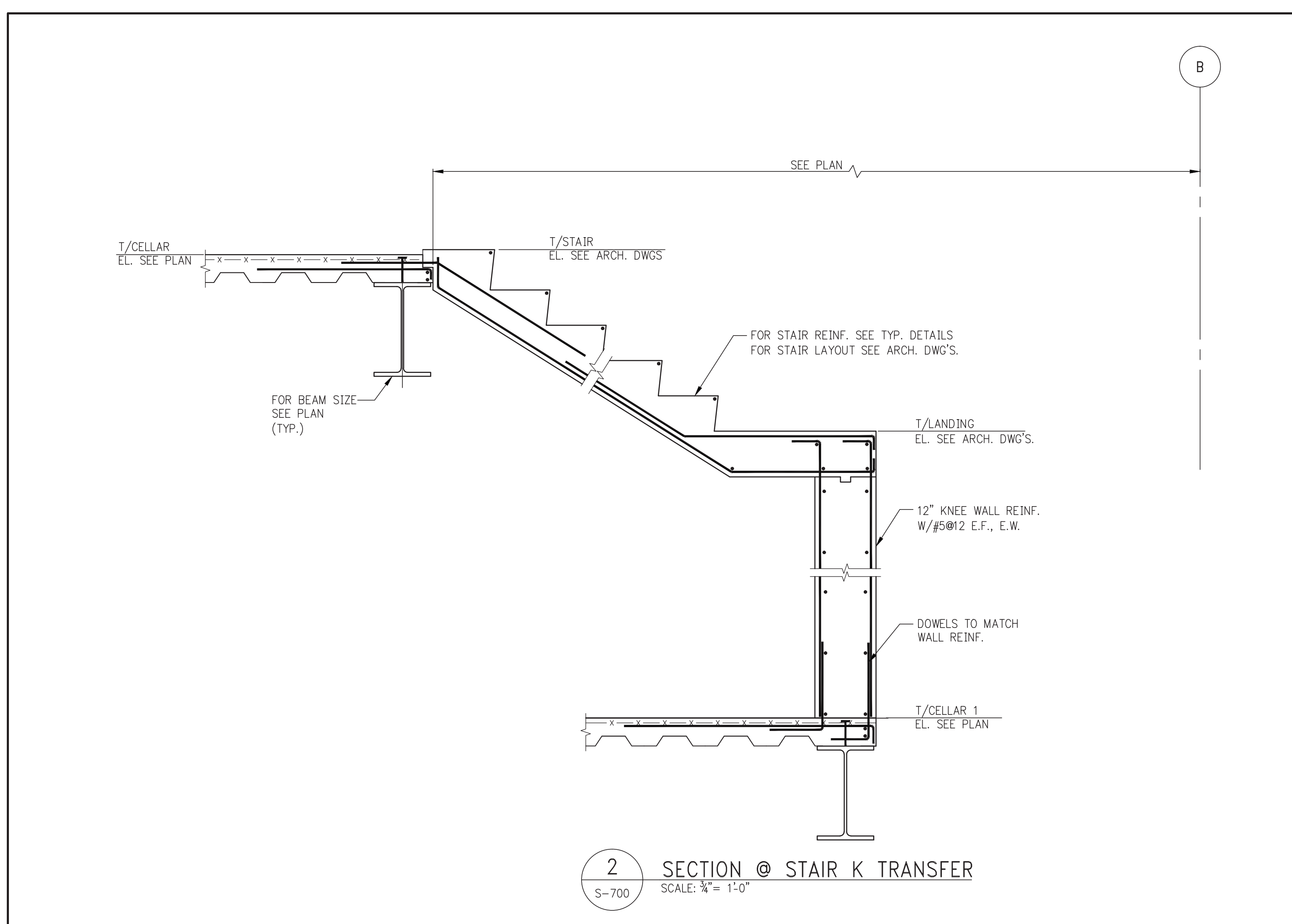
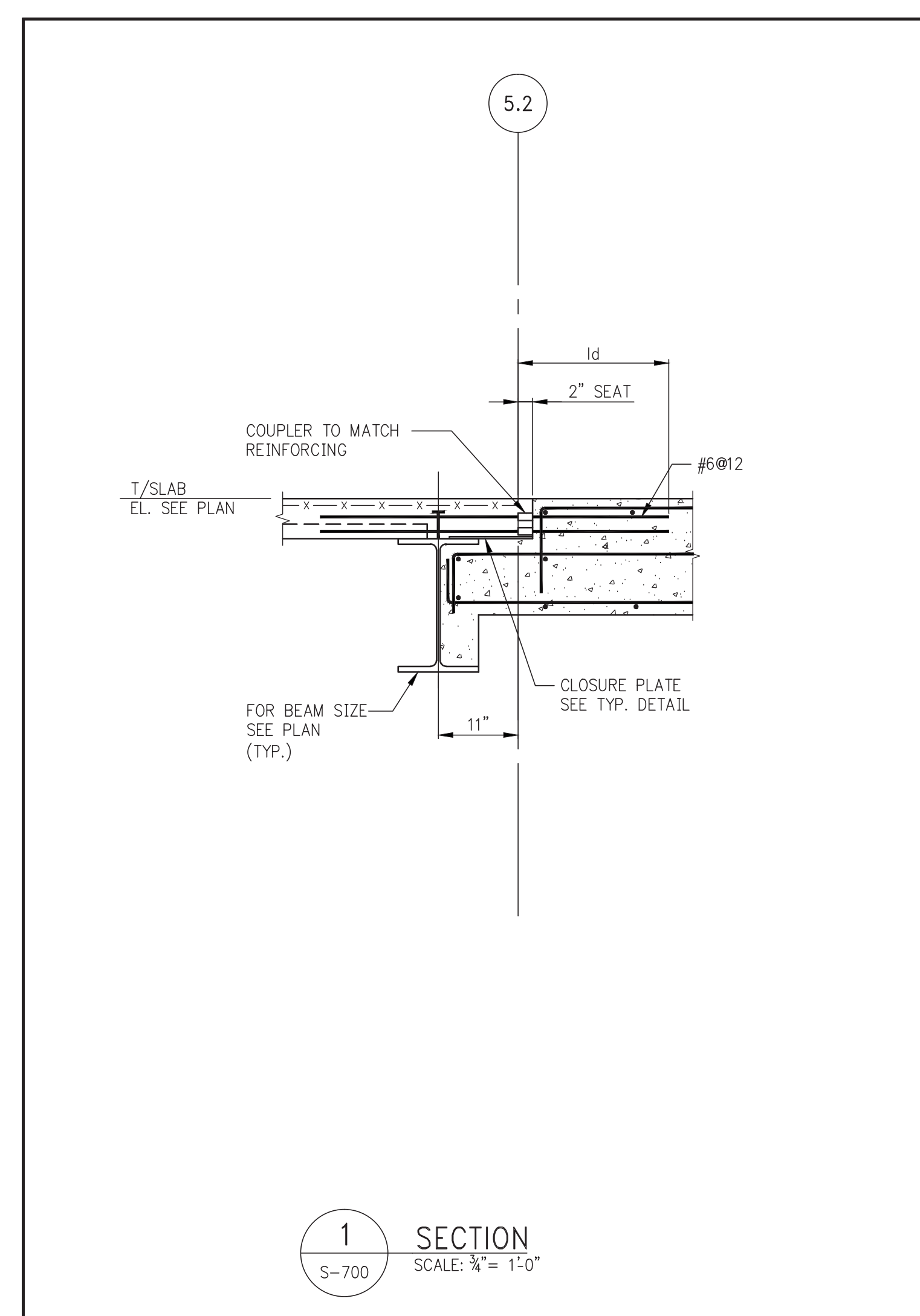
CONSULTANT:
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 228 East 45th Street
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 www.wspgroup.com/us

PROJECT:
217 WEST 57TH STREET
 NEW YORK, NY

DRAWING TITLE:
LOADING DIAGRAMS 3

SEAL & SIGNATURE	DATE: 06-17-2014
	PROJECT No: 2012185
	DRAWN: CADDO
	CHK: YE
	SCALE: As indicated
DWG No:	S-672.00
DOB PAGE No: 112 OF 118	DOB S-SCAN:

Damian Titus
 Buildings
 APPROVED
 Under Directive 2 of 1995
 Date: 07/09/2015
 NYC Development Hub



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New York, NY 10018
TEL: 212 759 6462 FAX: 212 759 6540

No.	DESCRIPTION	DATE
1	STEEL BID PACKAGE	05-22-2014
2	SUPERSTRUCTURE CONCRETE BID	08-03-2014
3	DESIGN DEVELOPMENT	07-01-2014
4	ISSUED FOR DESIGN DEVELOPMENT	07-31-2014
5	SE ZONE STEEL BID	08-20-2014
6	STRUCTURAL STEEL BID	09-15-2014
7	CD PROGRESS ISSUE 1	10-15-2014
8	ISSUED FOR CONSTRUCTION UP TO GROUND FL ONLY	10-17-2014
9	ISSUED FOR CONSTRUCTION UP TO 5TH FL ONLY	11-07-2014
10	ISSUED FOR CONSTRUCTION UP TO 7TH FL ONLY	11-14-2014
11	DOB SUBMISSION	12-19-2014
12	DOB SUBMISSION	02-05-2015
13	CD UPDATE ISSUE	02-10-2015
14	PROGRESS CD	05-08-2015
15	CONSTRUCTION DOCUMENTS ISSUE 4	08-01-2015
16	CD PROGRESS ISSUE 5	08-10-2015
17	DOB AMENDMENT 2	09-18-2015

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CONSULTANT: **WSP** 228 East 45th Street
New York, NY 10017
(212) 687-9888
www.wspgroup.com/usa

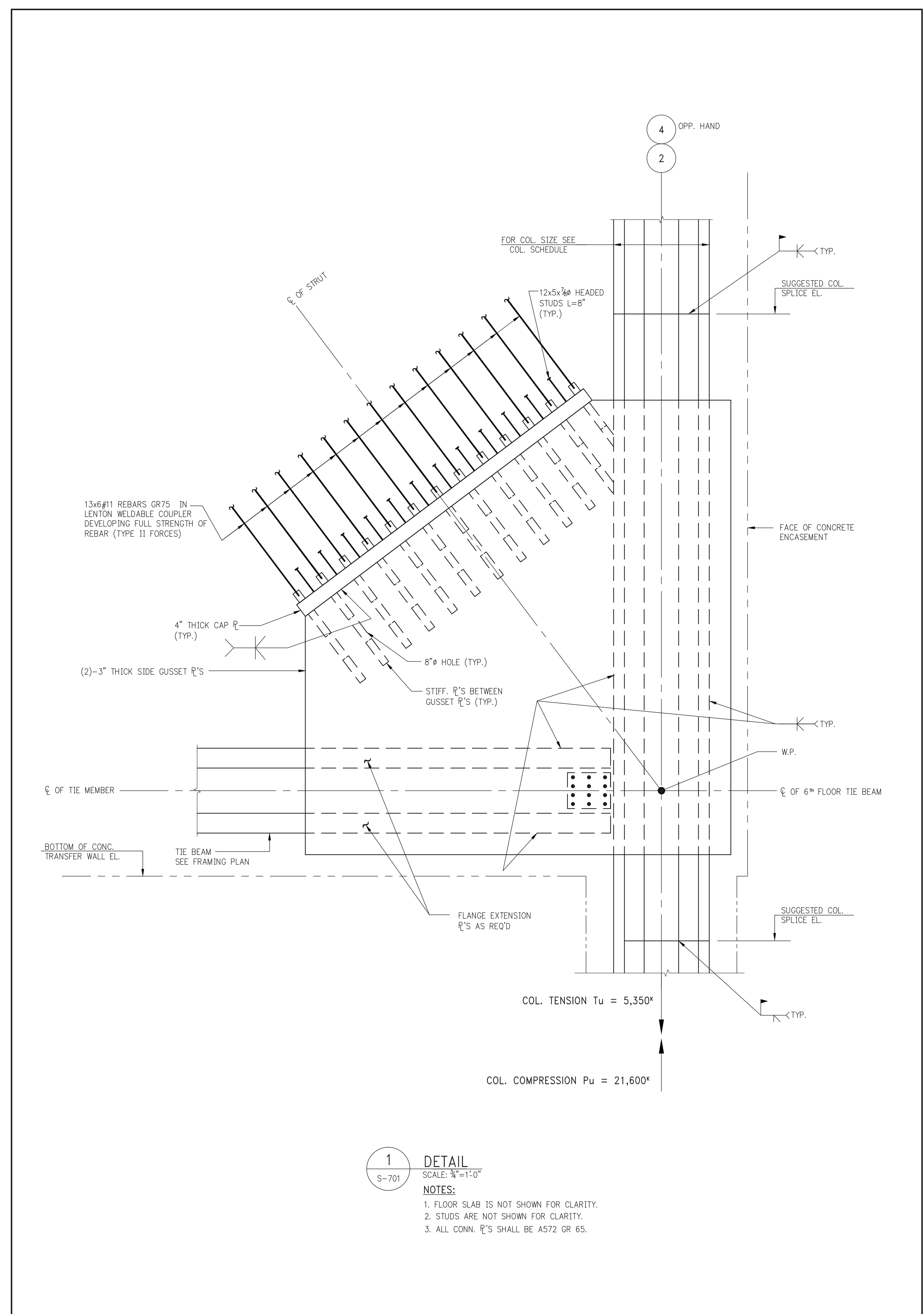
PROJECT: **217 WEST 57TH STREET**
NEW YORK, NY

DRAWING TITLE: **SUPERSTRUCTURE BASE SECTIONS 1**

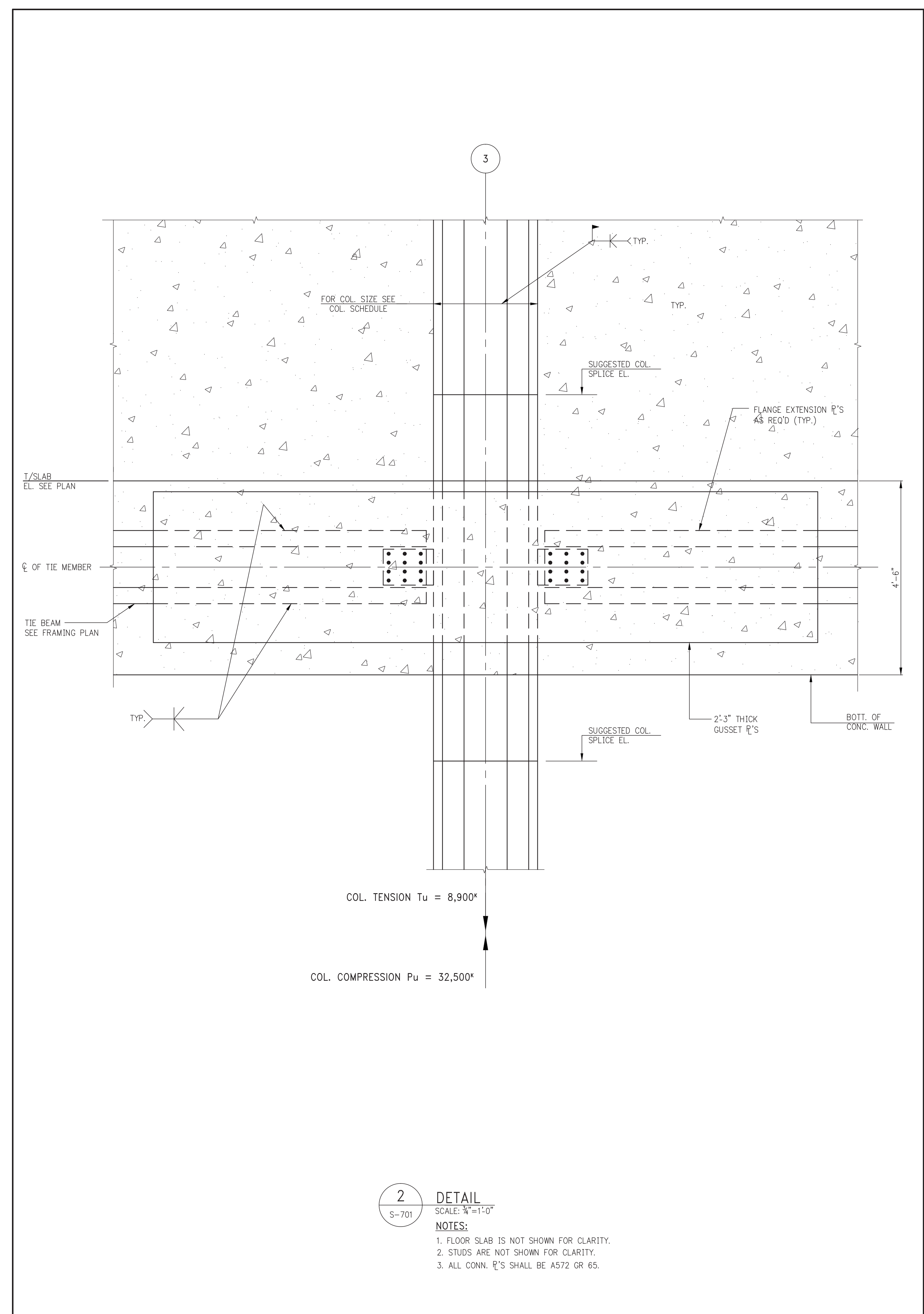
DATE: 09-22-2014
PROJECT No: 2012185
DRAWN: CADD
CHK: Y.E.
SCALE: AS SHOWN
DWG No: **S-700.01**

DOB EMPLOYEE STAMP: **17**
DOB PAGE No: 152 OF 158
DOB S-CAN:

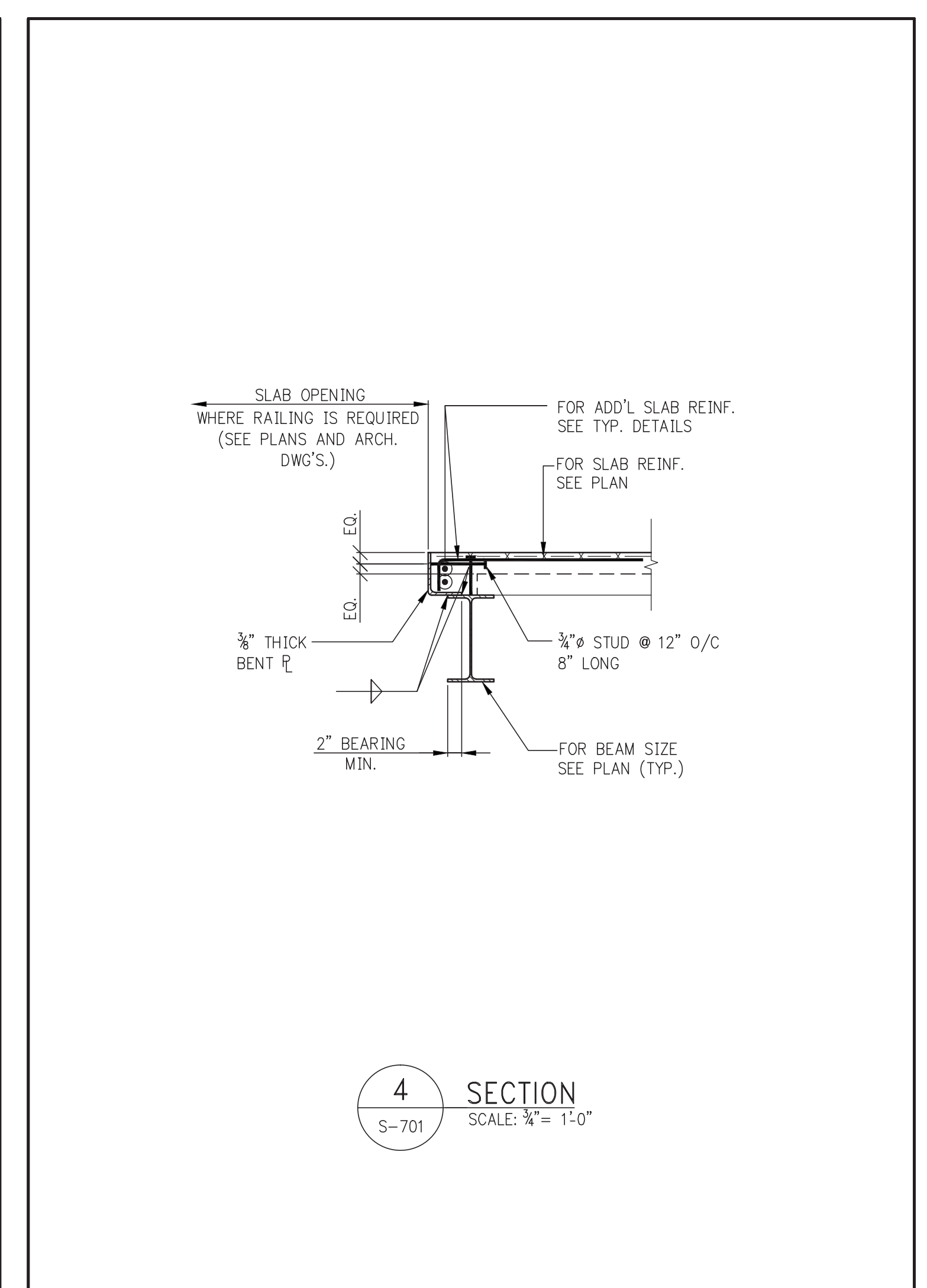
WSP 48" x 36" x 1/4" SHEET SIZE



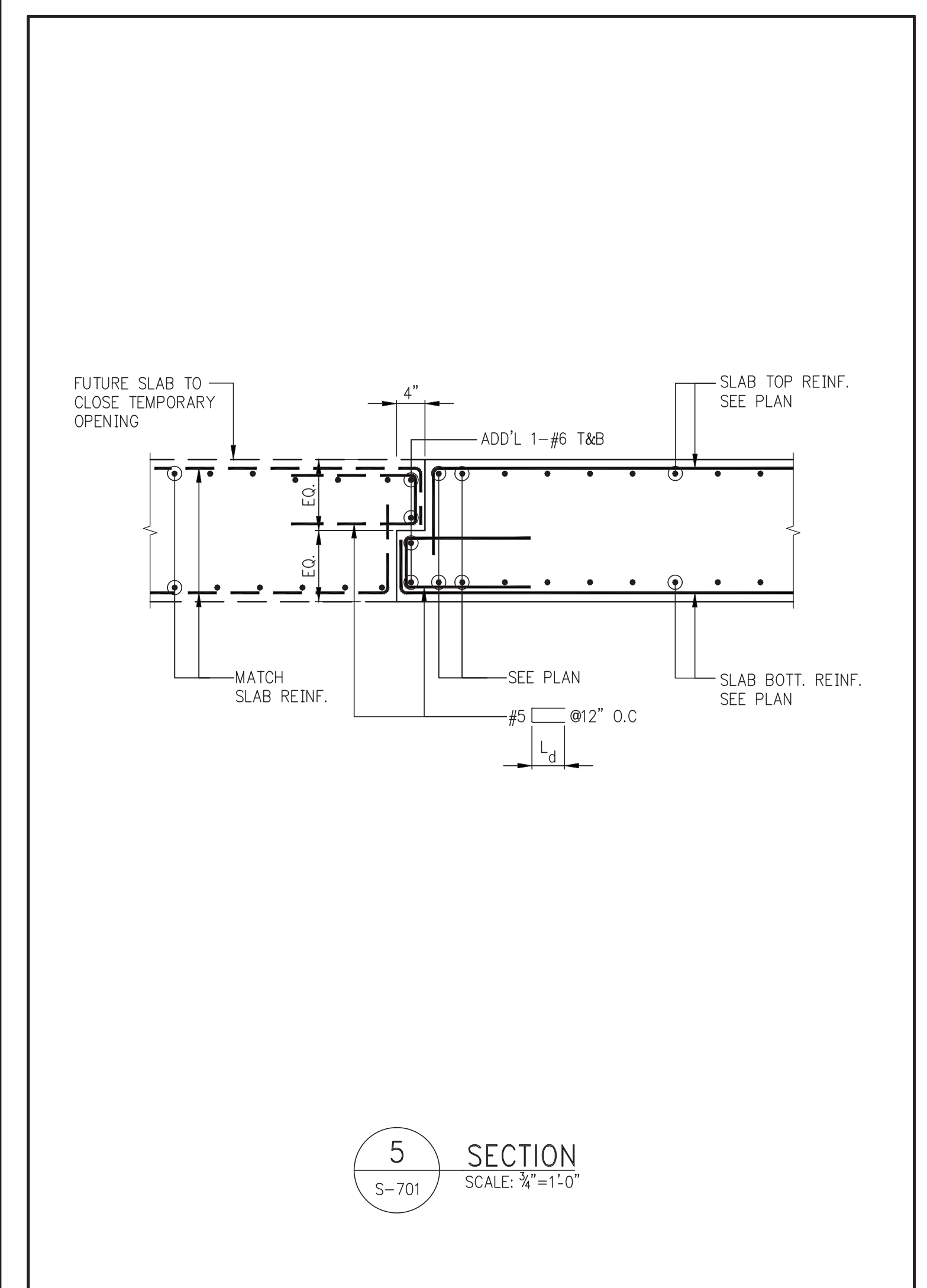
1 DETAIL
SCALE: 3/4"=1'-0"
NOTES:
1. FLOOR SLAB IS NOT SHOWN FOR CLARITY.
2. STUDS ARE NOT SHOWN FOR CLARITY.
3. ALL CONN. RE'S SHALL BE A572 GR 65.



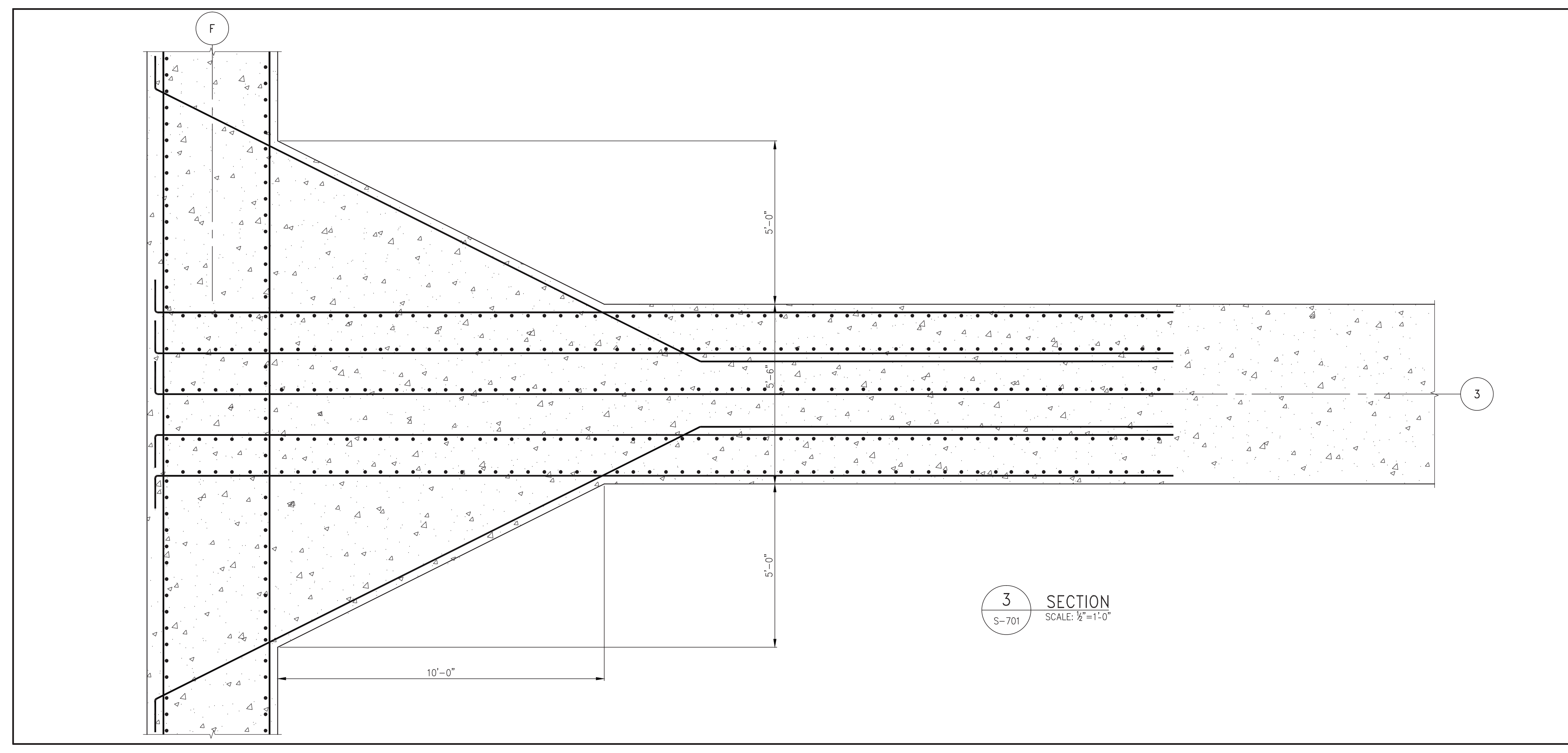
2 DETAIL
SCALE: 3/4"=1'-0"
NOTES:
1. FLOOR SLAB IS NOT SHOWN FOR CLARITY.
2. STUDS ARE NOT SHOWN FOR CLARITY.
3. ALL CONN. RE'S SHALL BE A572 GR 65.



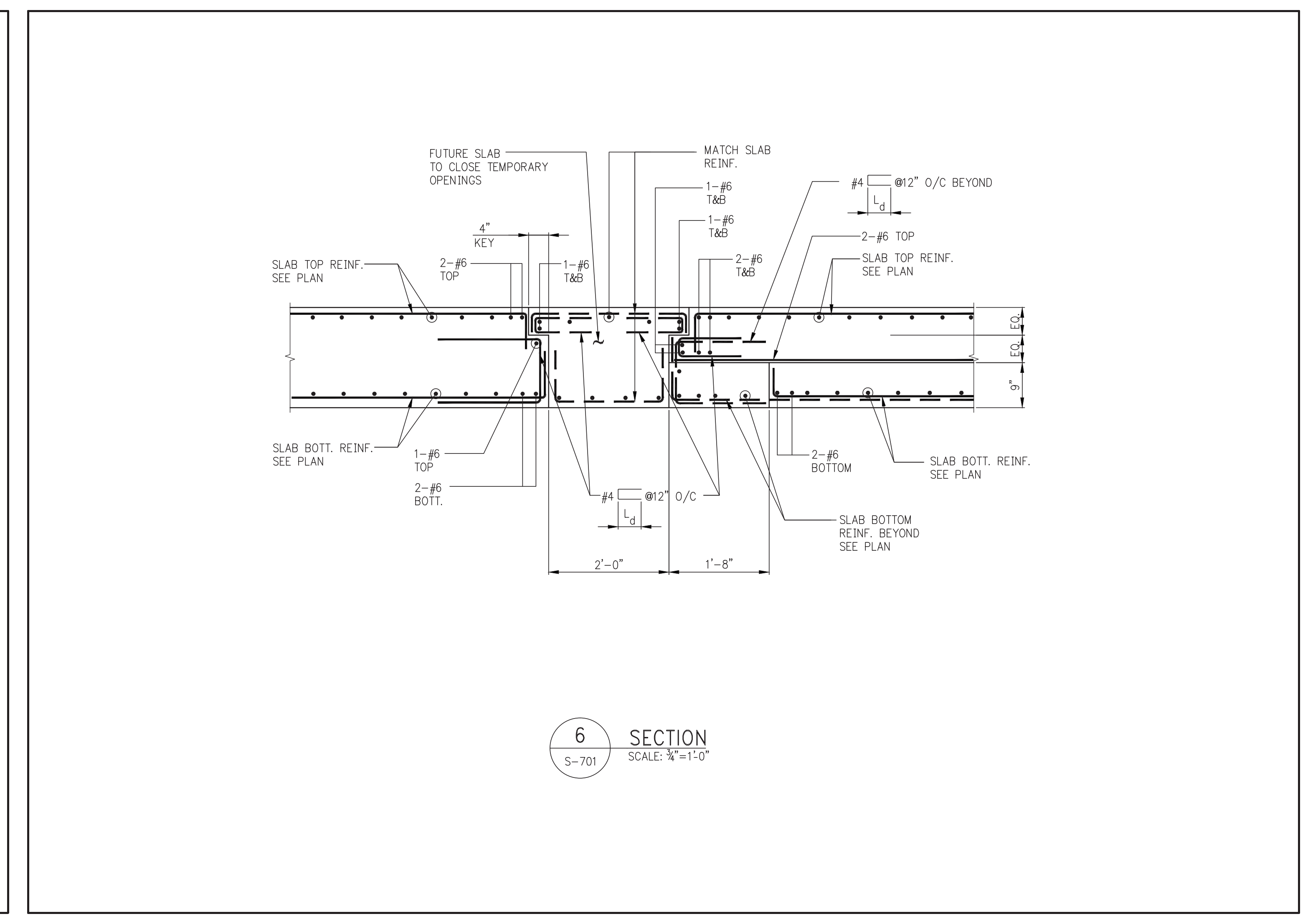
4 SECTION
SCALE: 3/4"=1'-0"



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



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



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

KEY PLAN

PROJECT NORTH

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

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

INTERIOR DESIGNER: Residential
Rotter Architecture and Design Studio, PLLC
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21 Penn Plaza - 380 West 31st Street, 8th Floor
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100 Church Street
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TEL: 212 385 5818 FAX: 212 385 1911

CURTAINWALL CONSULTANT: A.J.P. Consulting
40 Worth Street, Suite 826
New York, NY 10013
TEL: 212 757 8659 FAX: 646 219 8508

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

No.	DESCRIPTION	DATE
1	STRUCTURAL STEEL BID	09-15-2014
2	STRUCTURAL STEEL BID - ADDENDUM	10-01-2014
3	CD PROGRESS ISSUE 1	10-15-2014
4	ISSUED FOR CONSTRUCTION UP TO 7TH FL ONLY	11-14-2014
5	DOB SUBMISSION	12-19-2014
6	CD PROGRESS ISSUE 2	12-19-2014
7	DOB SUBMISSION	02-05-2015
8	PROGRESS CD	05-08-2015
9	DOB AMENDMENT 2	09-18-2015

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CONSULTANT: WSP
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New York, NY 10017
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www.wspgroup.com/usa

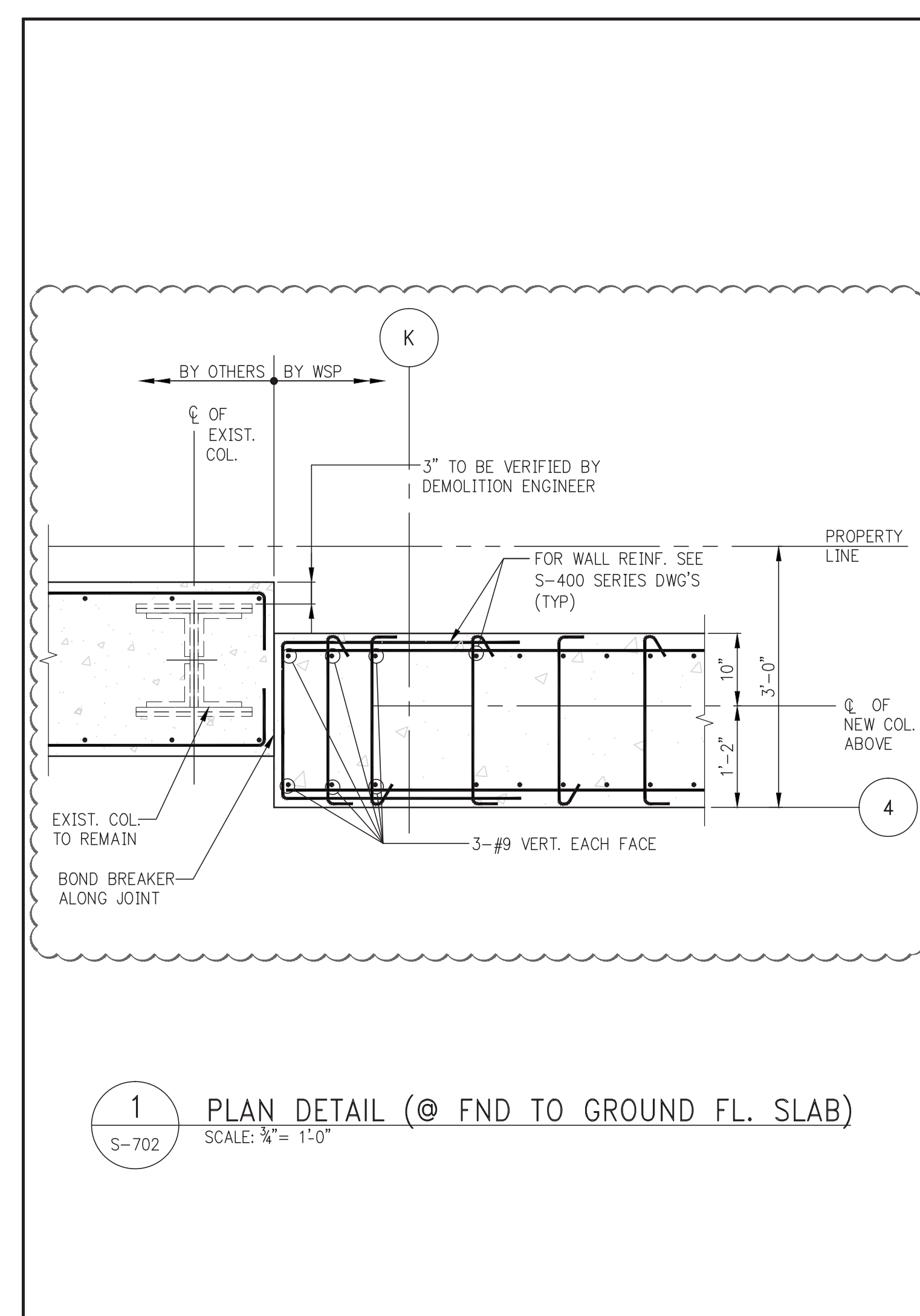
PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

DRAWING TITLE: SUPERSTRUCTURE BASE SECTIONS 2

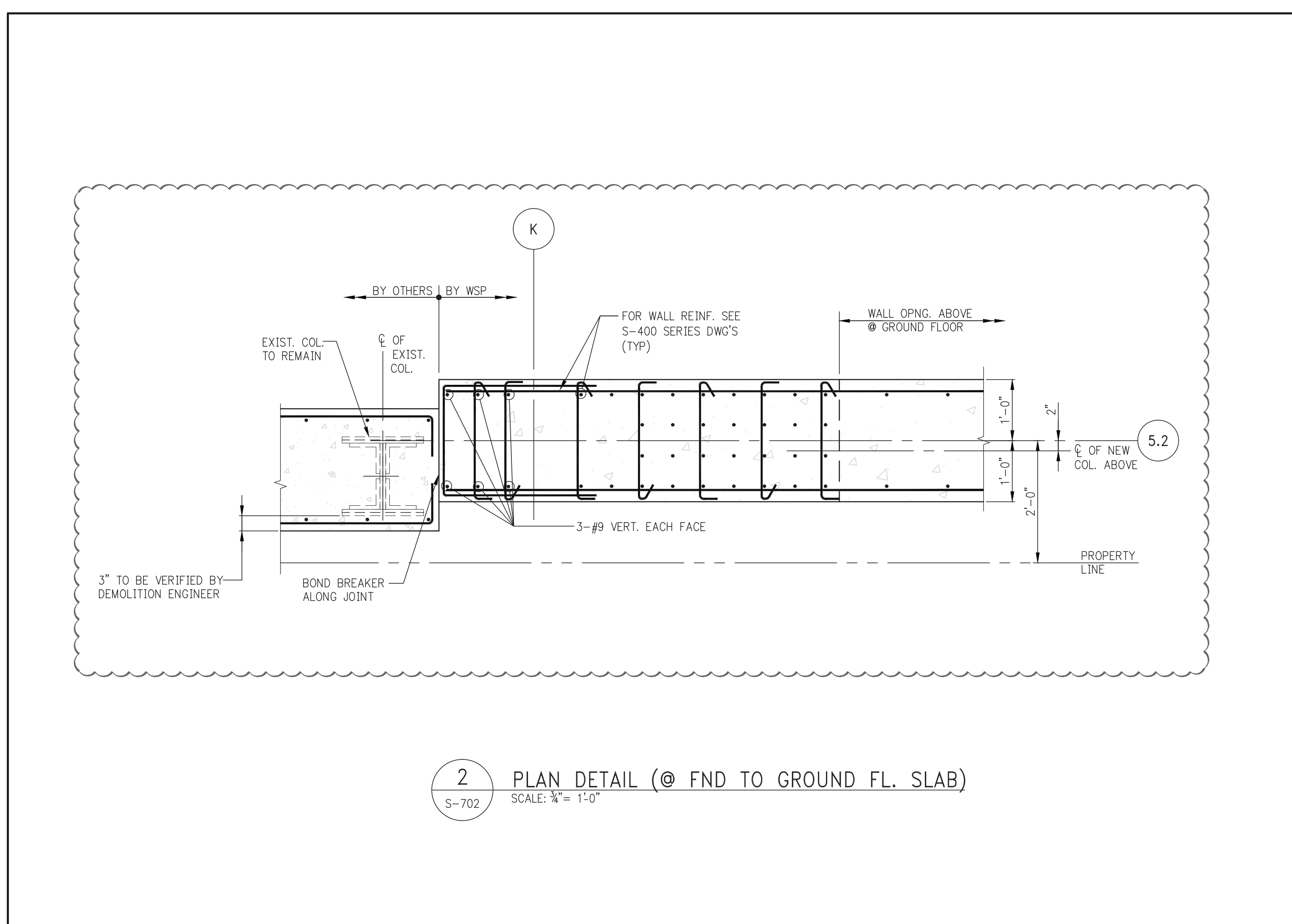
DATE: 09-15-14
PROJECT No: 2012185
DRAWN: CADD
CHK: Y.E.
SCALE: AS INDICATED
DWG No: **S-701.01**
DOB PAGE No: 153 OF 158
DOB EMPLOYEE STAMP: DOB B-SCAN:

REVISIONS:
1. 09-15-14
2. 10-01-14
3. 10-15-14
4. 11-14-14
5. 12-19-14
6. 12-19-14
7. 02-05-15
8. 05-08-15
9. 09-18-15

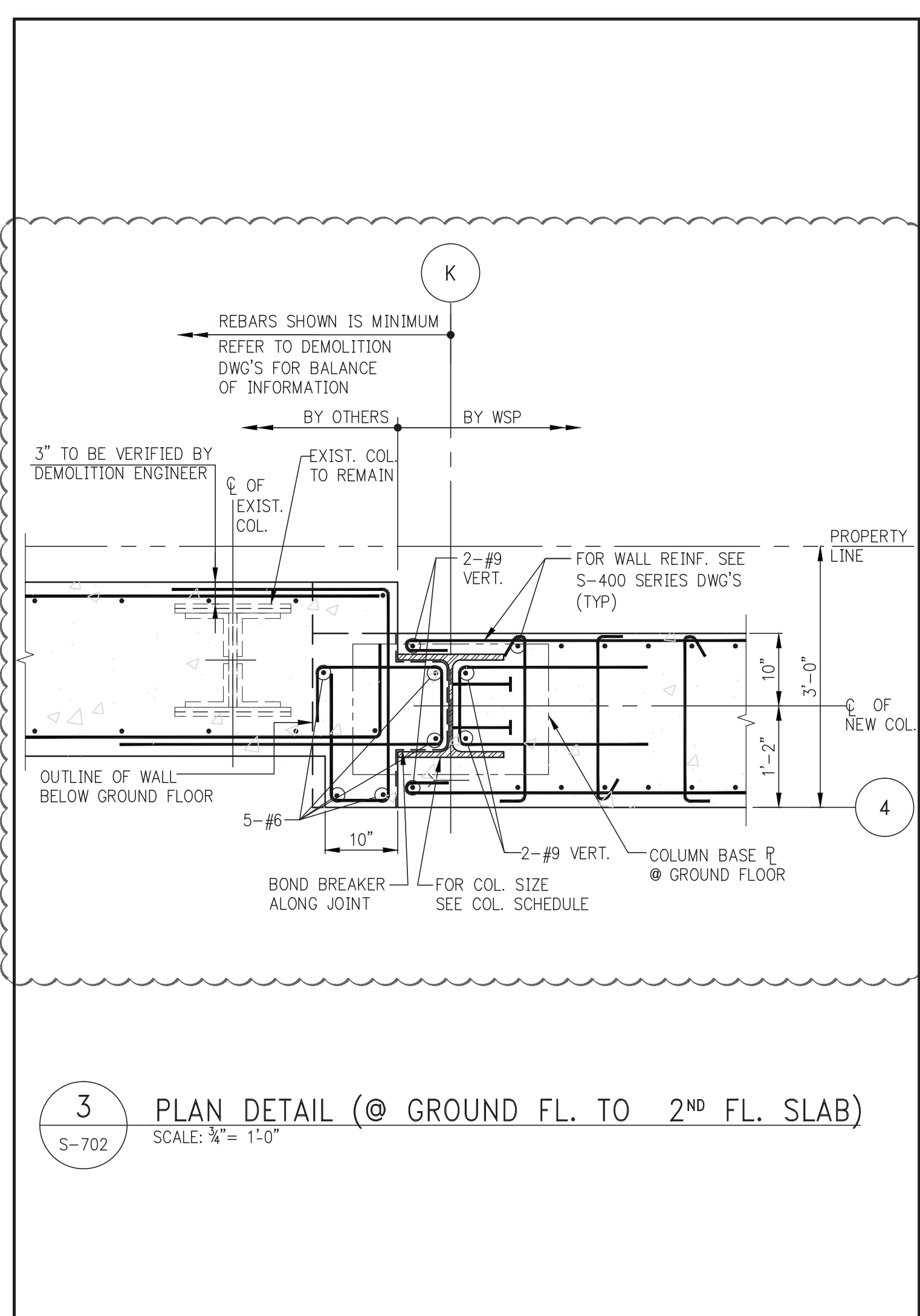
FILE NAME: C:\Users\jgordon\OneDrive\Documents\217 West 57th Street\217 West 57th Street.dwg



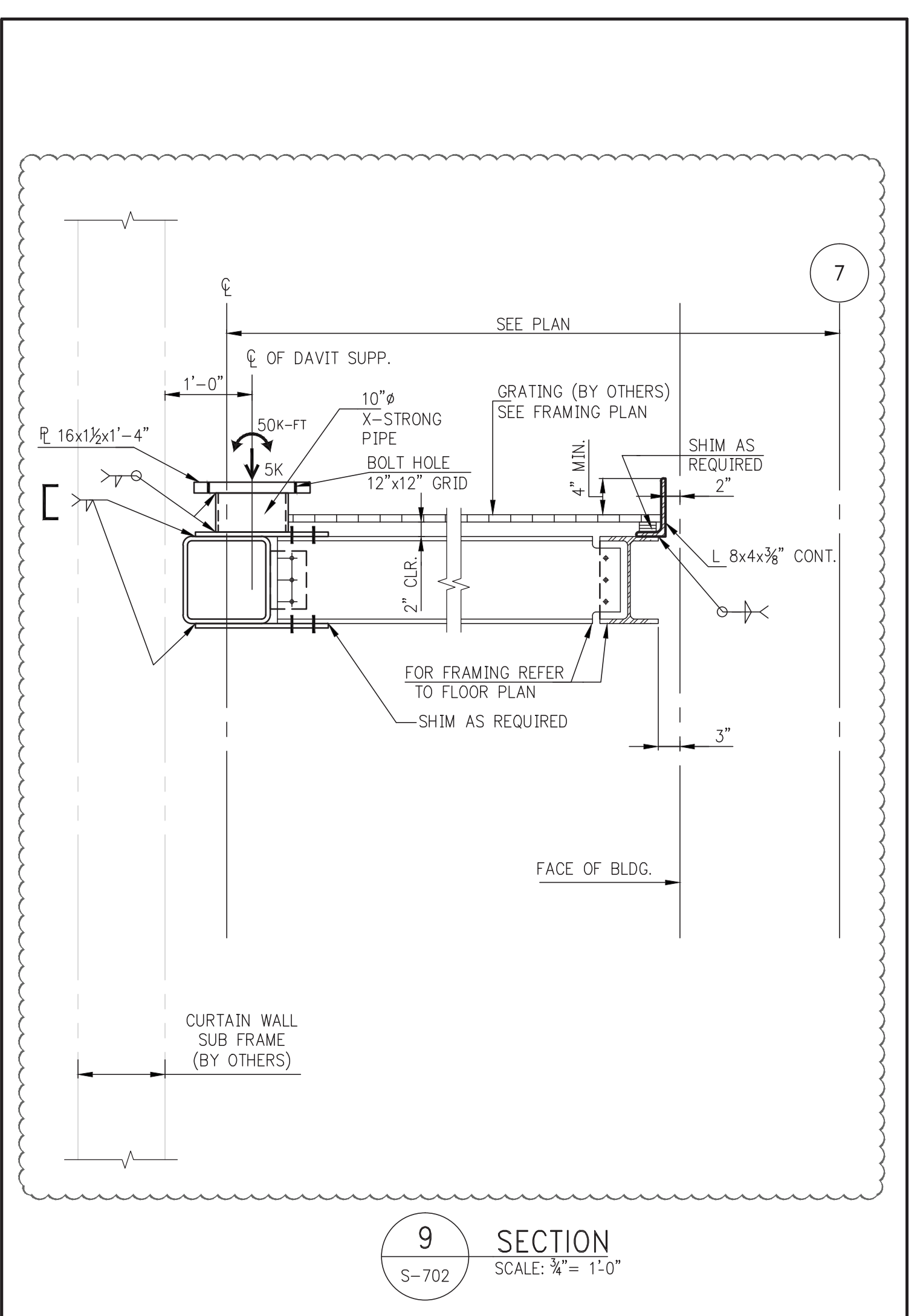
1 PLAN DETAIL (@ FND TO GROUND FL. SLAB)
SCALE: 1/4" = 1'-0"



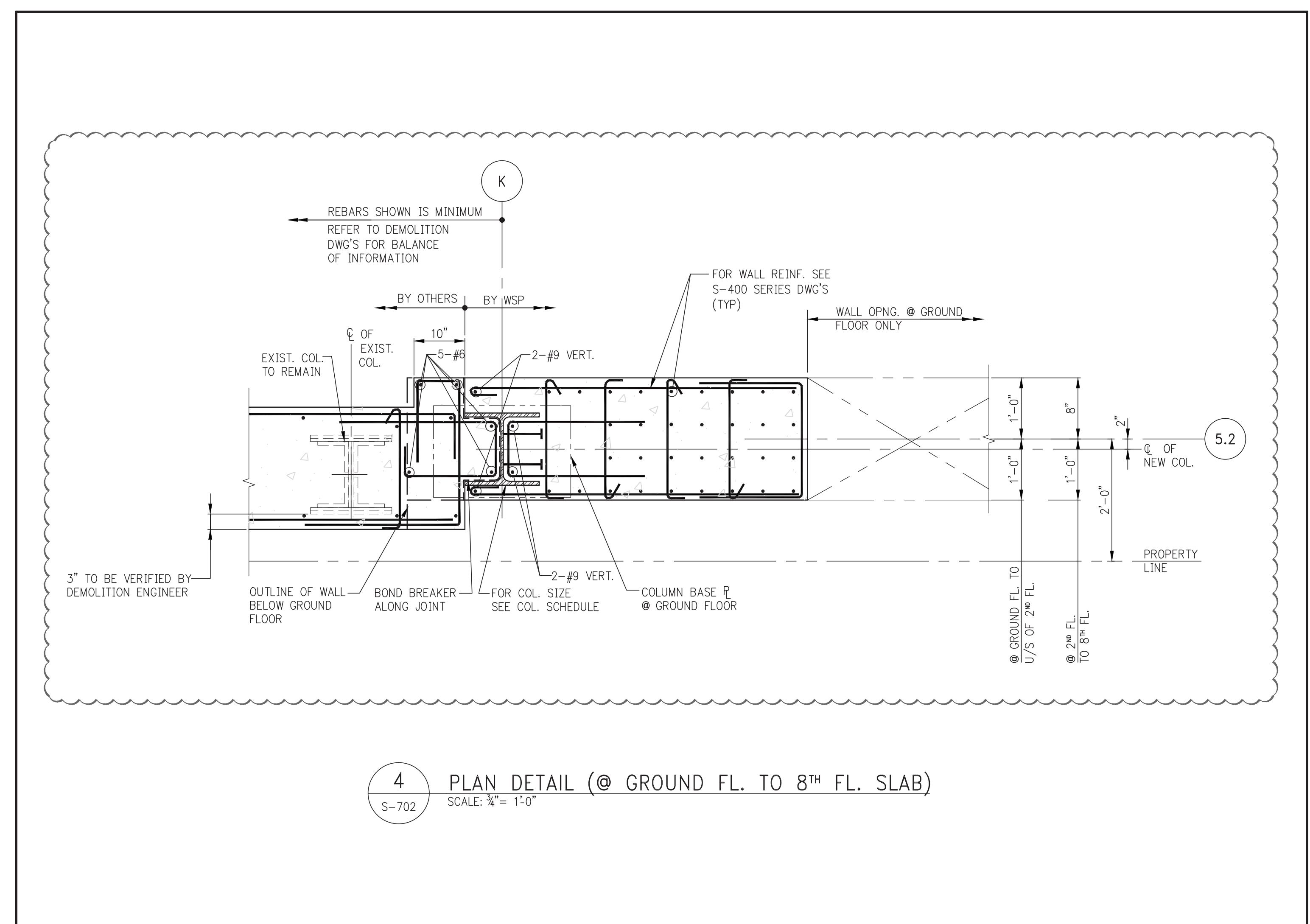
2 PLAN DETAIL (@ FND TO GROUND FL. SLAB)
SCALE: 1/4" = 1'-0"



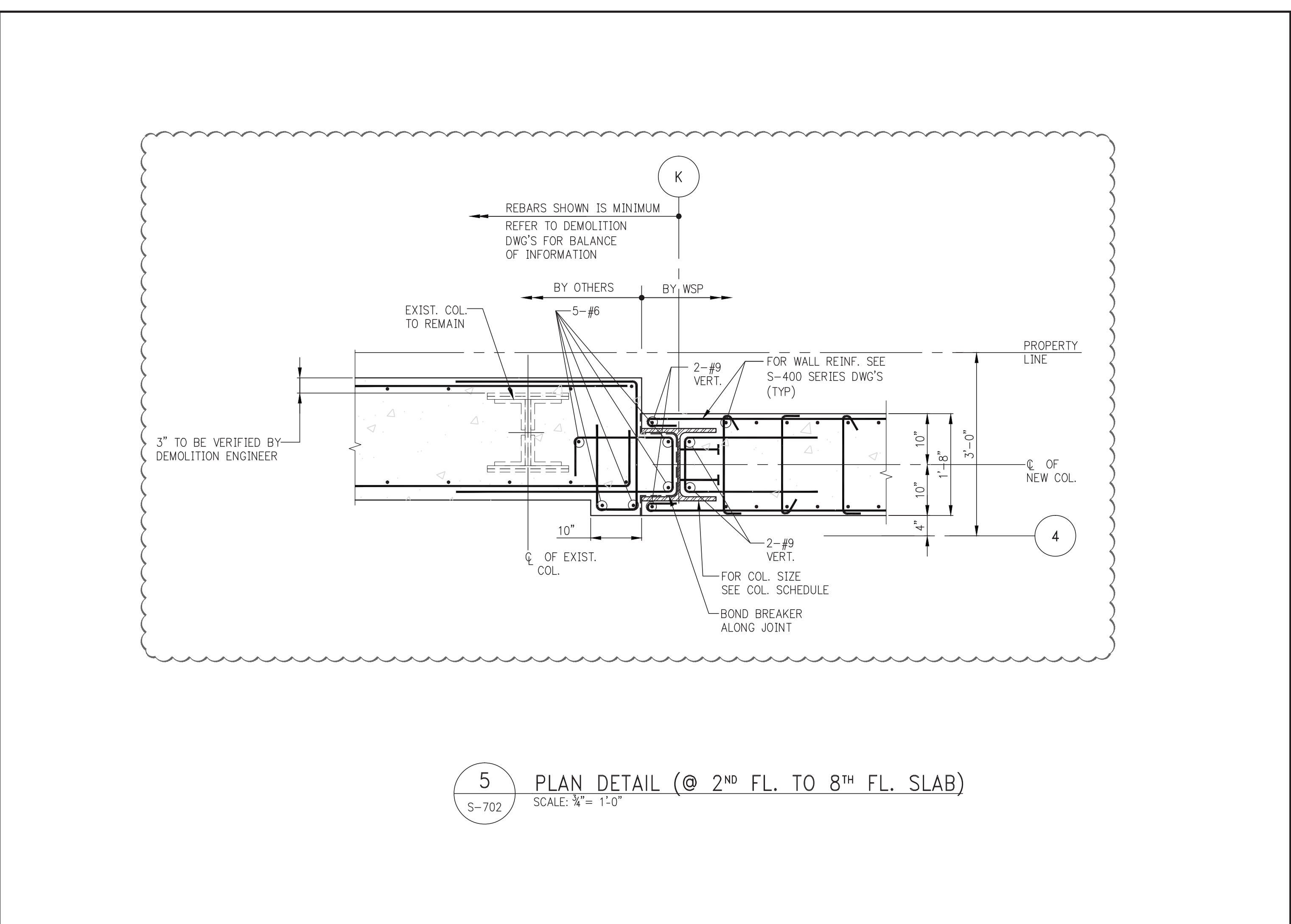
3 PLAN DETAIL (@ GROUND FL. TO 2ND FL. SLAB)
SCALE: 1/4" = 1'-0"



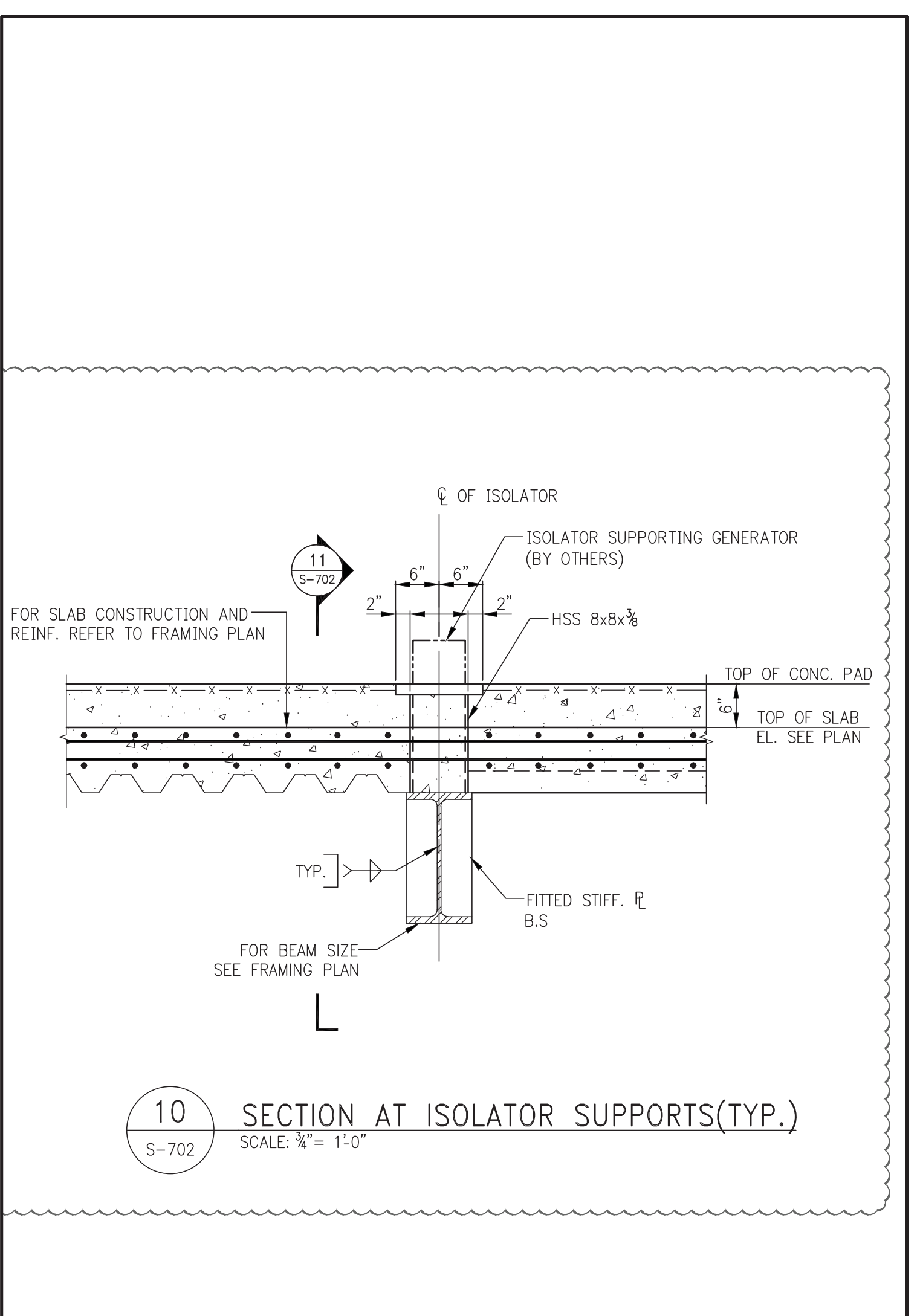
9 SECTION
SCALE: 1/4" = 1'-0"



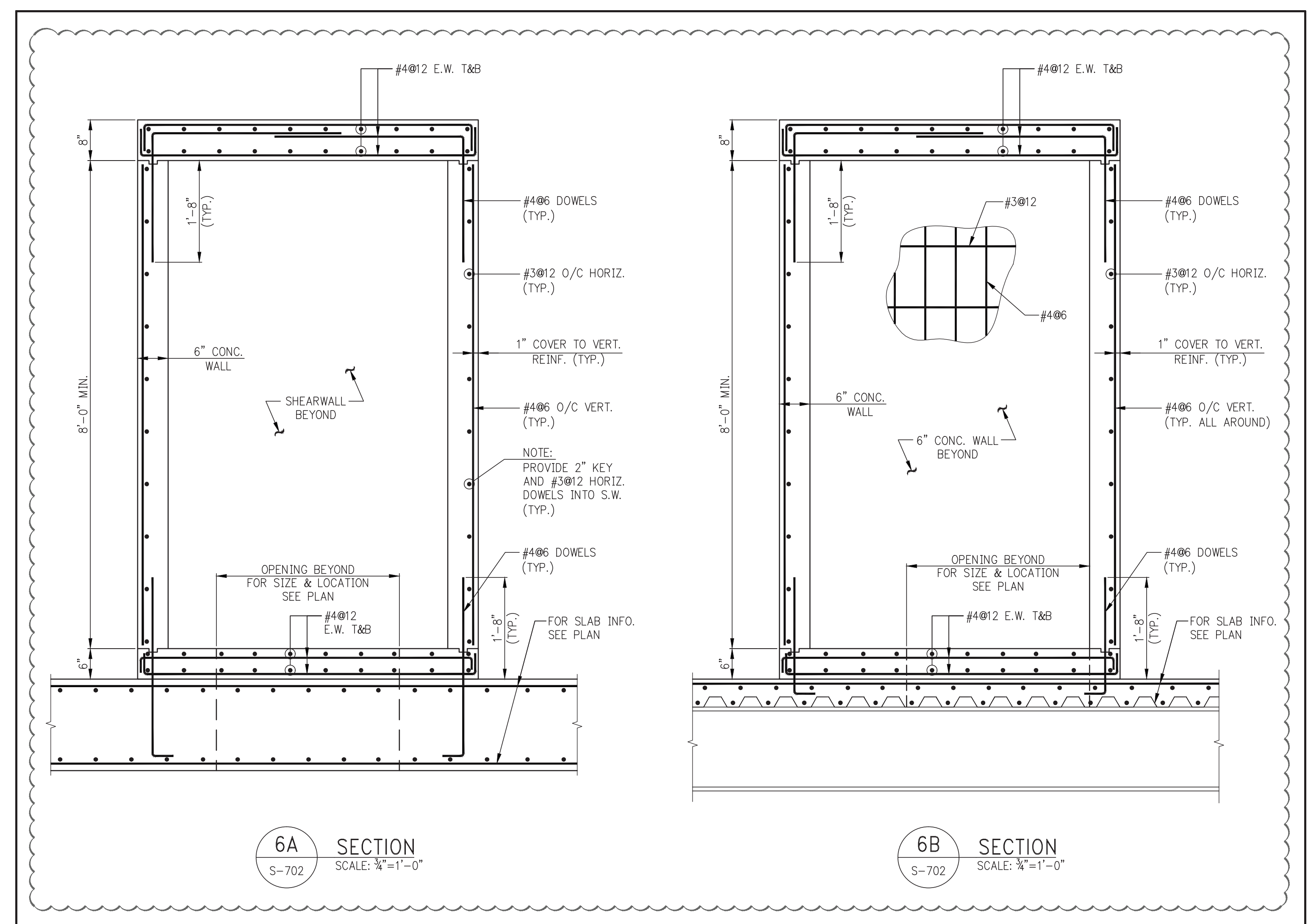
4 PLAN DETAIL (@ GROUND FL. TO 8TH FL. SLAB)
SCALE: 1/4" = 1'-0"



5 PLAN DETAIL (@ 2ND FL. TO 8TH FL. SLAB)
SCALE: 1/4" = 1'-0"

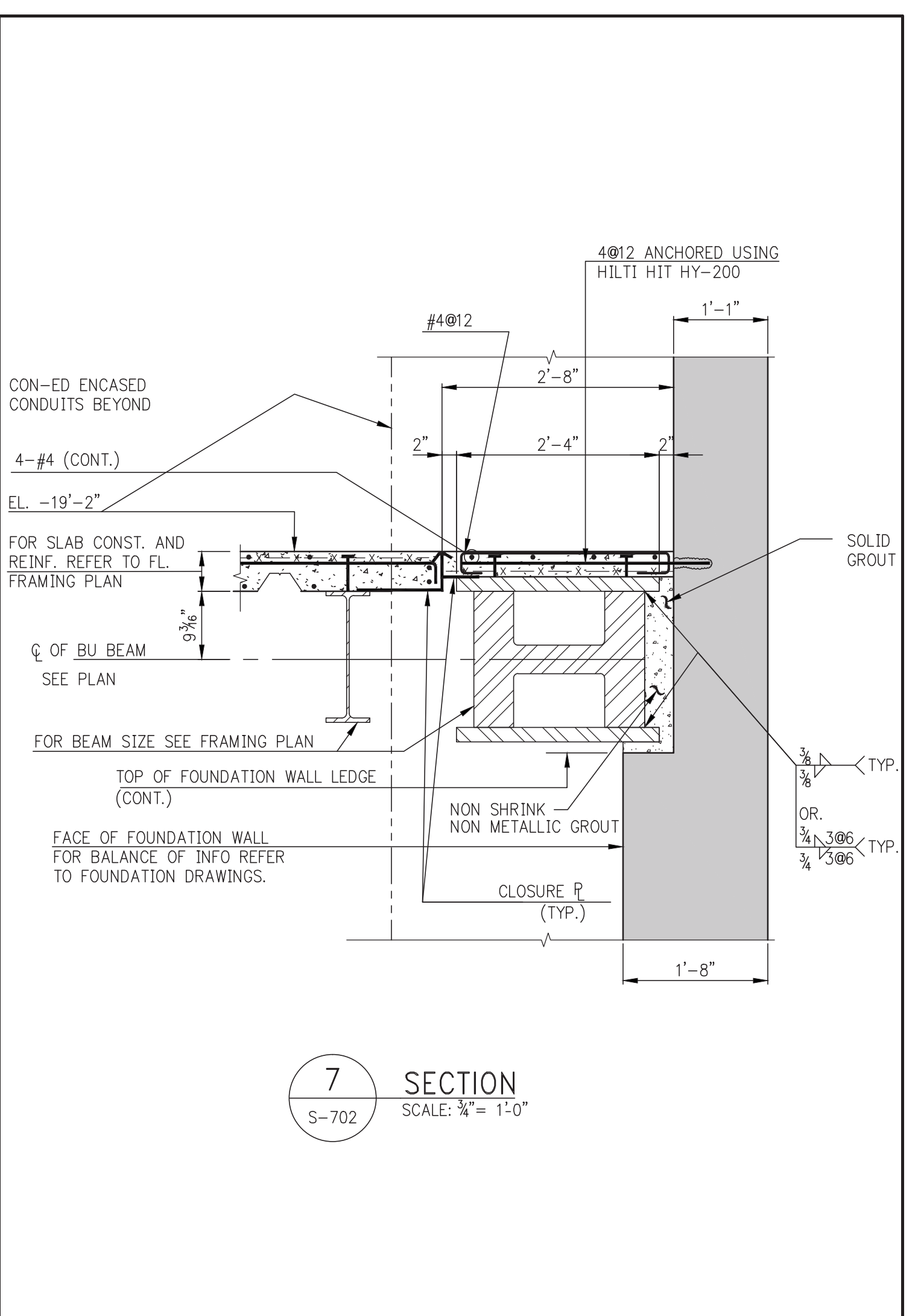


10 SECTION AT ISOLATOR SUPPORTS(TYP.)
SCALE: 1/4" = 1'-0"

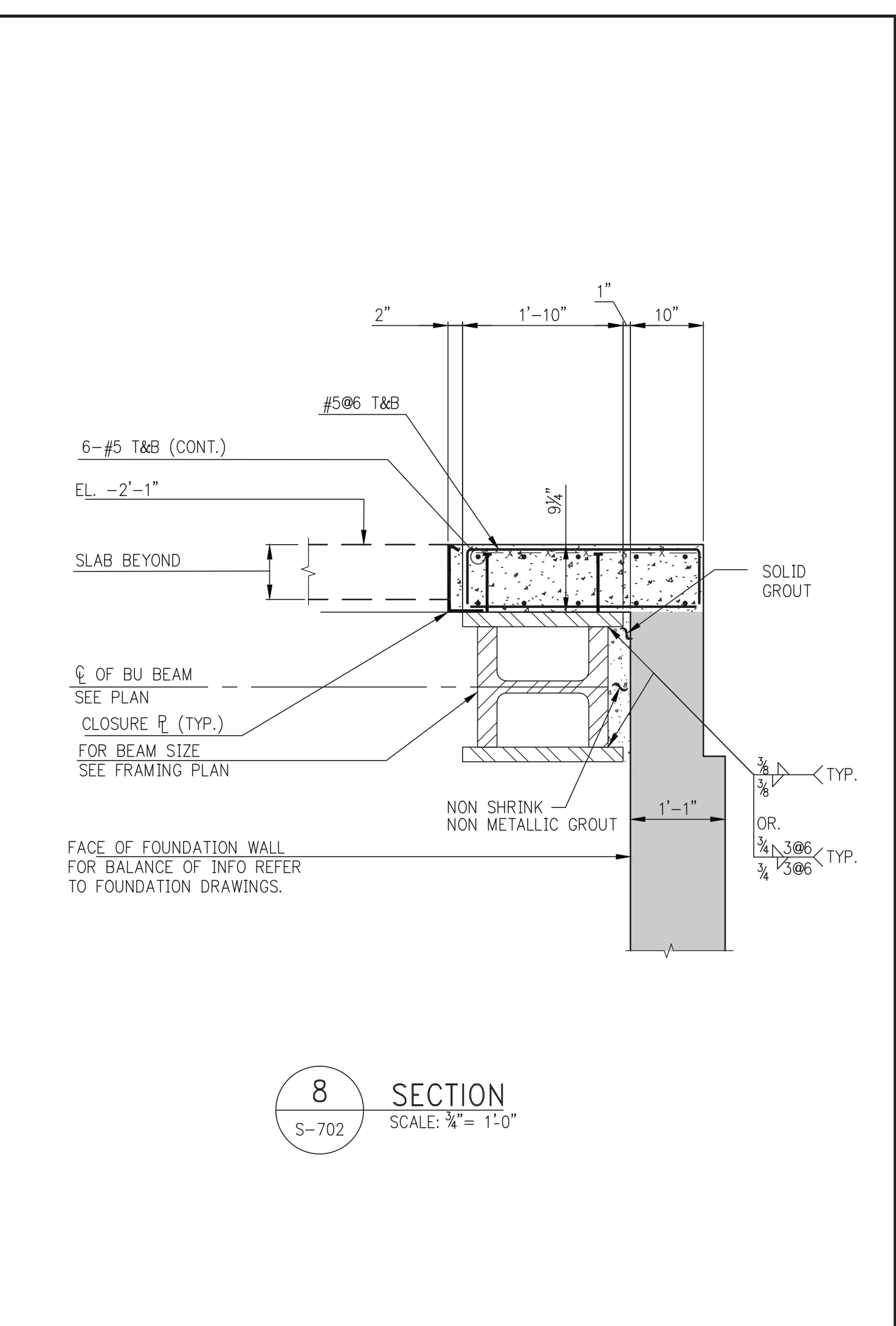


6A SECTION
SCALE: 1/4" = 1'-0"

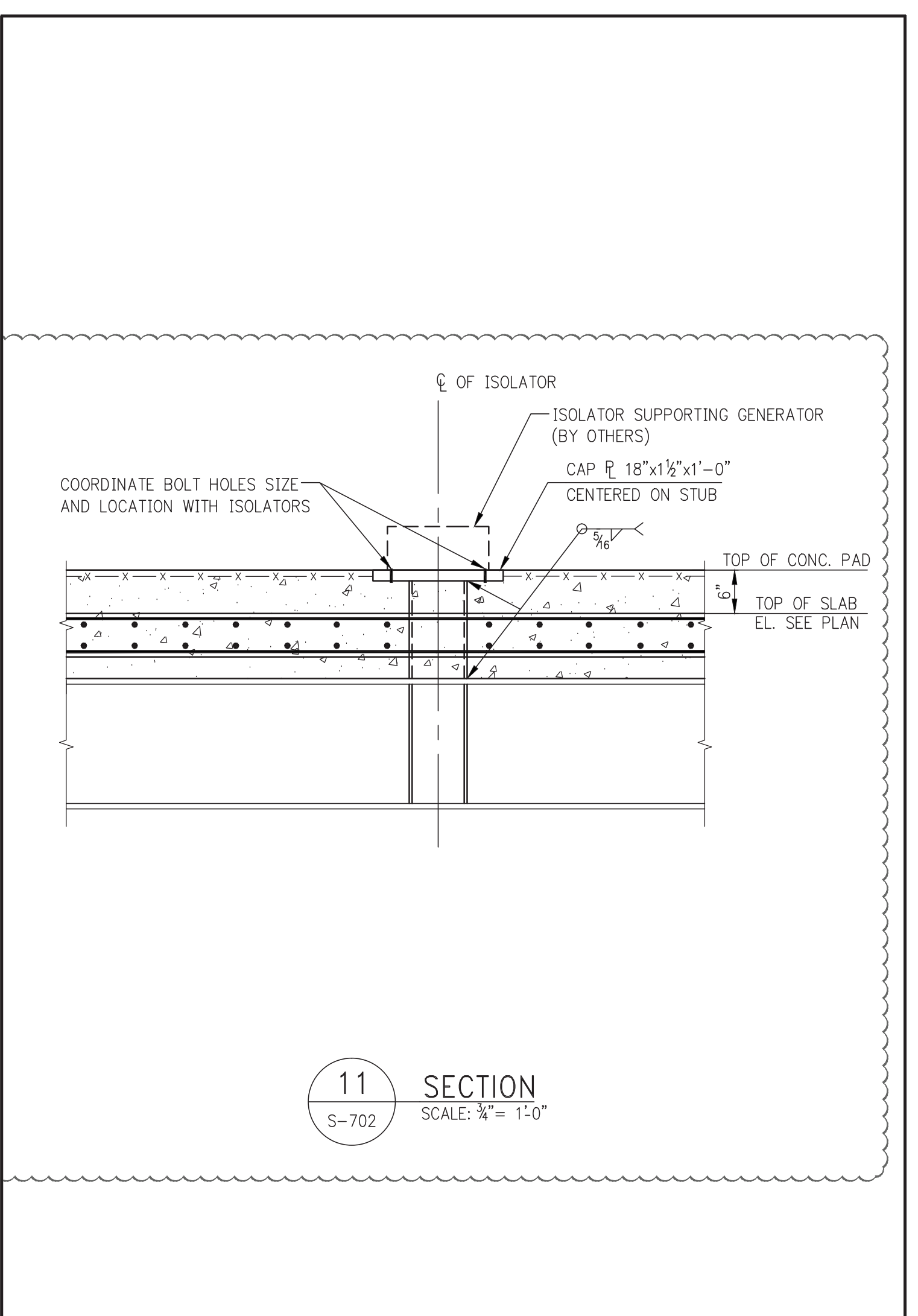
6B SECTION
SCALE: 1/4" = 1'-0"



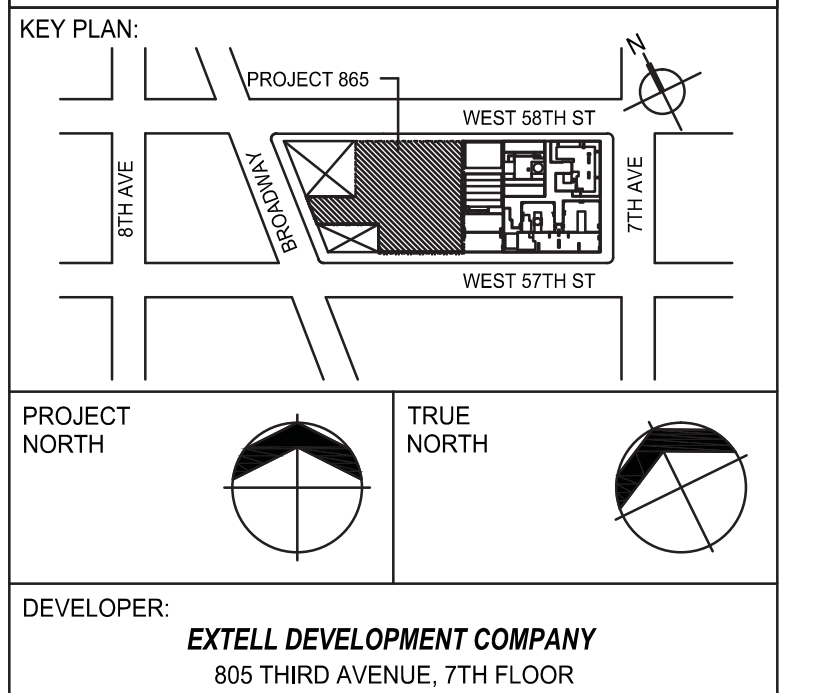
7 SECTION
SCALE: 1/4" = 1'-0"



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



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



DEVELOPER: **EXTELL DEVELOPMENT COMPANY**
805 THIRD AVENUE, 7TH FLOOR
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CHICAGO IL 60603
TEL: 312 920 1888 FAX: 312 920 1775

INTERIOR DESIGNER: **Residential**
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Toronto, ON M5V 1E7 Canada
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New York, NY 10017 USA
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MEP ENGINEERS: **AKF GROUP**
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New York, NY 10036 USA
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21 Penn Plaza - 380 West 31st Street, 8th Floor
New York, NY 10001-2727
TEL: 212 479 5400 FAX: 212 479 5444

CODE CONSULTANTS: **Construction Consulting Associates**
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New York, NY 10007
TEL: 212 385 5818 FAX: 212 385 1911

CURTAINWALL CONSULTANT: **AJLP Consulting**
40 Worth Street, Suite 826
New York, NY 10013
TEL: 212 757 8659 FAX: 646 219 8508

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

No.	DESCRIPTION	DATE
1	CD PROGRESS ISSUE 1	10-15-2014
2	DOB SUBMISSION	12-18-2014
3	ISSUED FOR 8TH FLOOR MILL ORDER - PHASE 1	01-14-2015
4	DOB SUBMISSION	02-05-2015
5	CD UPDATE ISSUE	02-10-2015
6	CD PROGRESS ISSUE 5	08-10-2015
7	DOB AMENDMENT 2	09-16-2015

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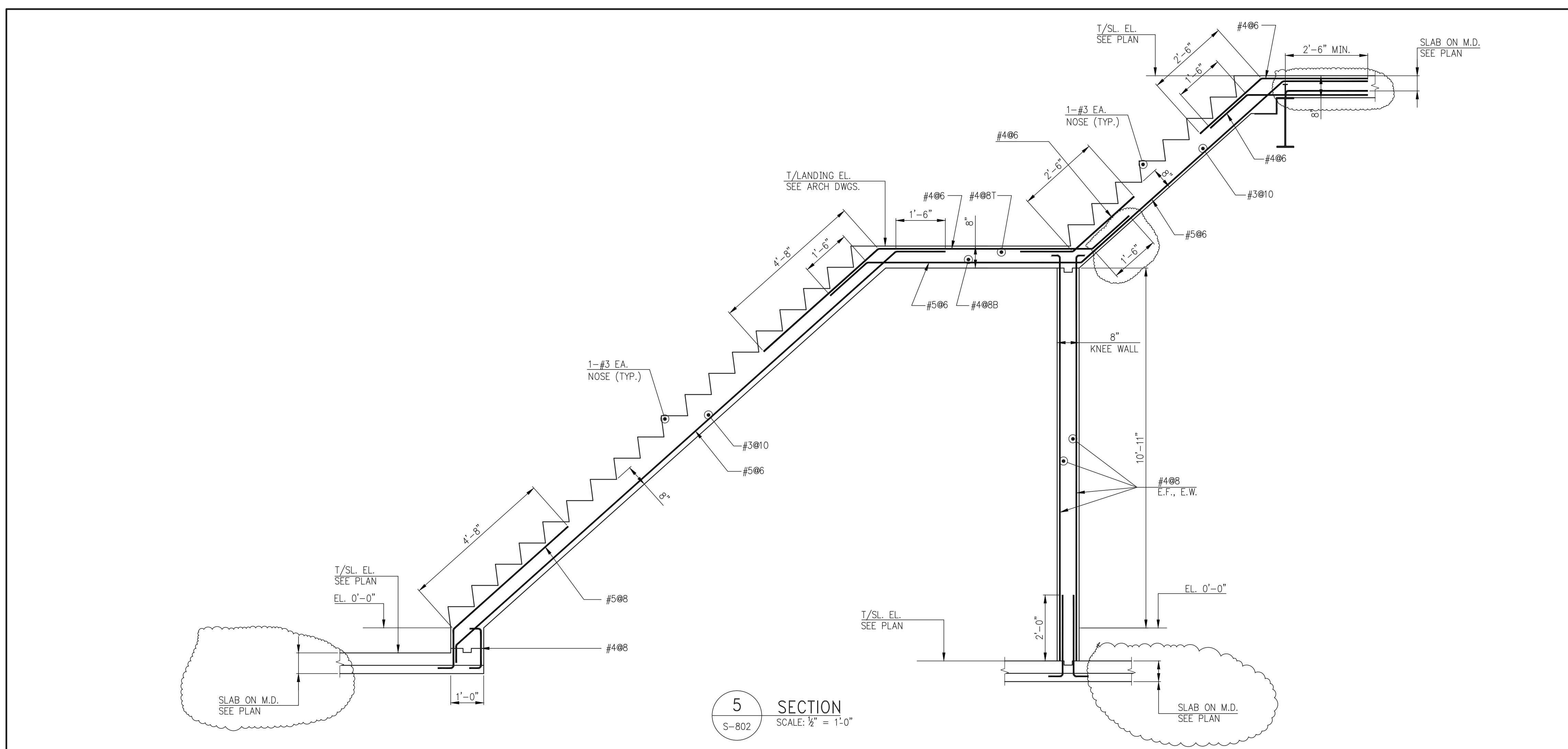
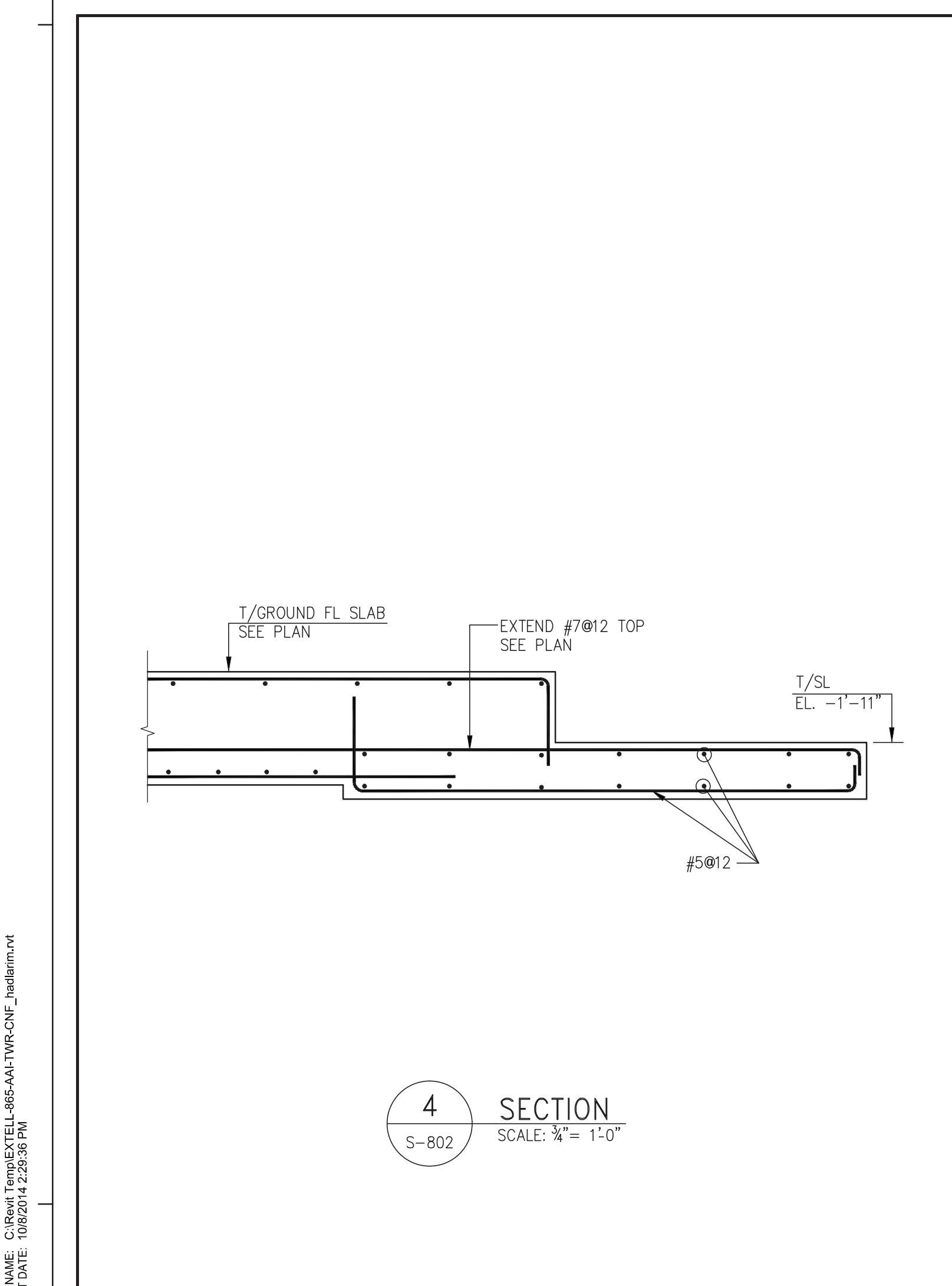
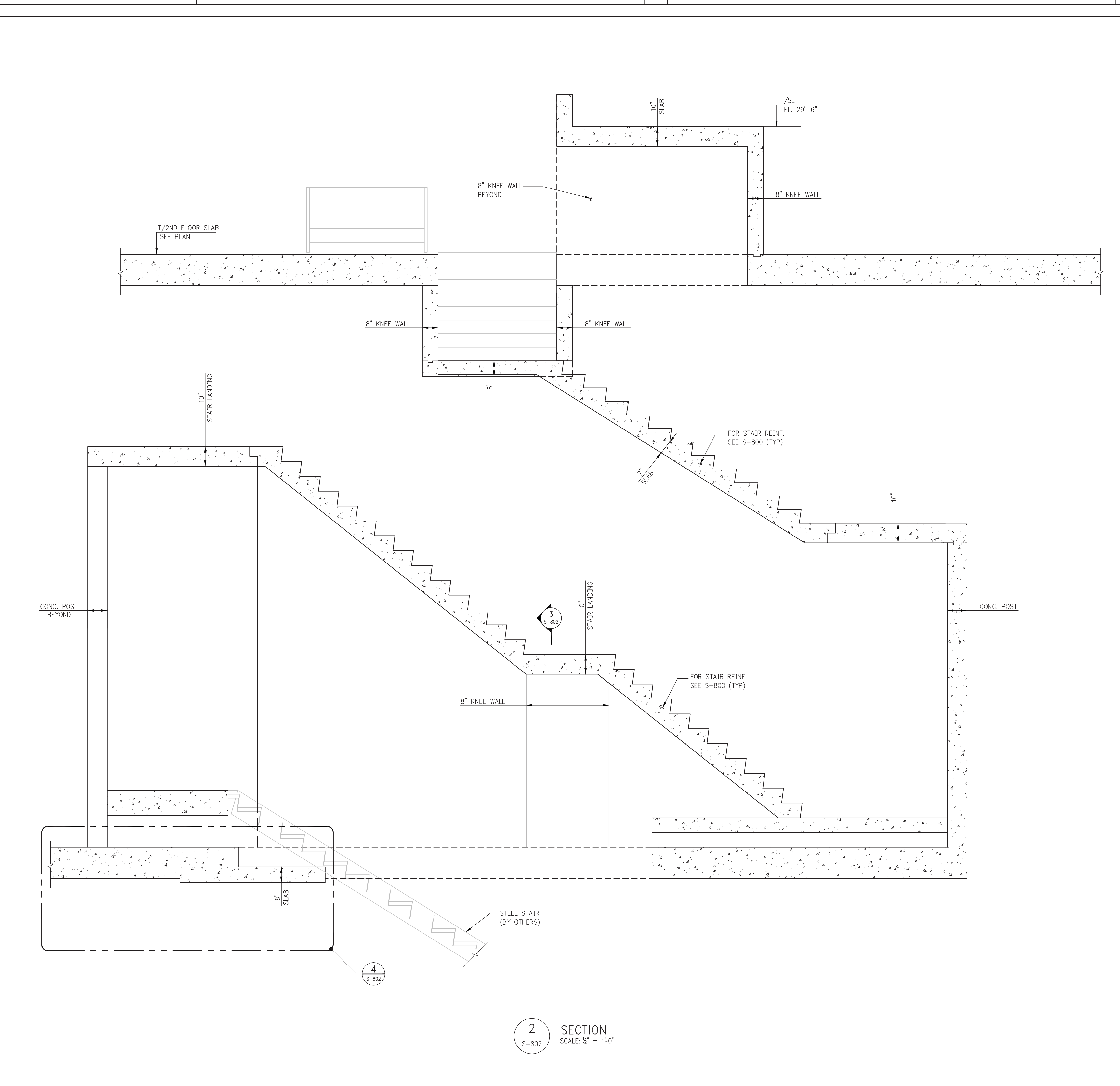
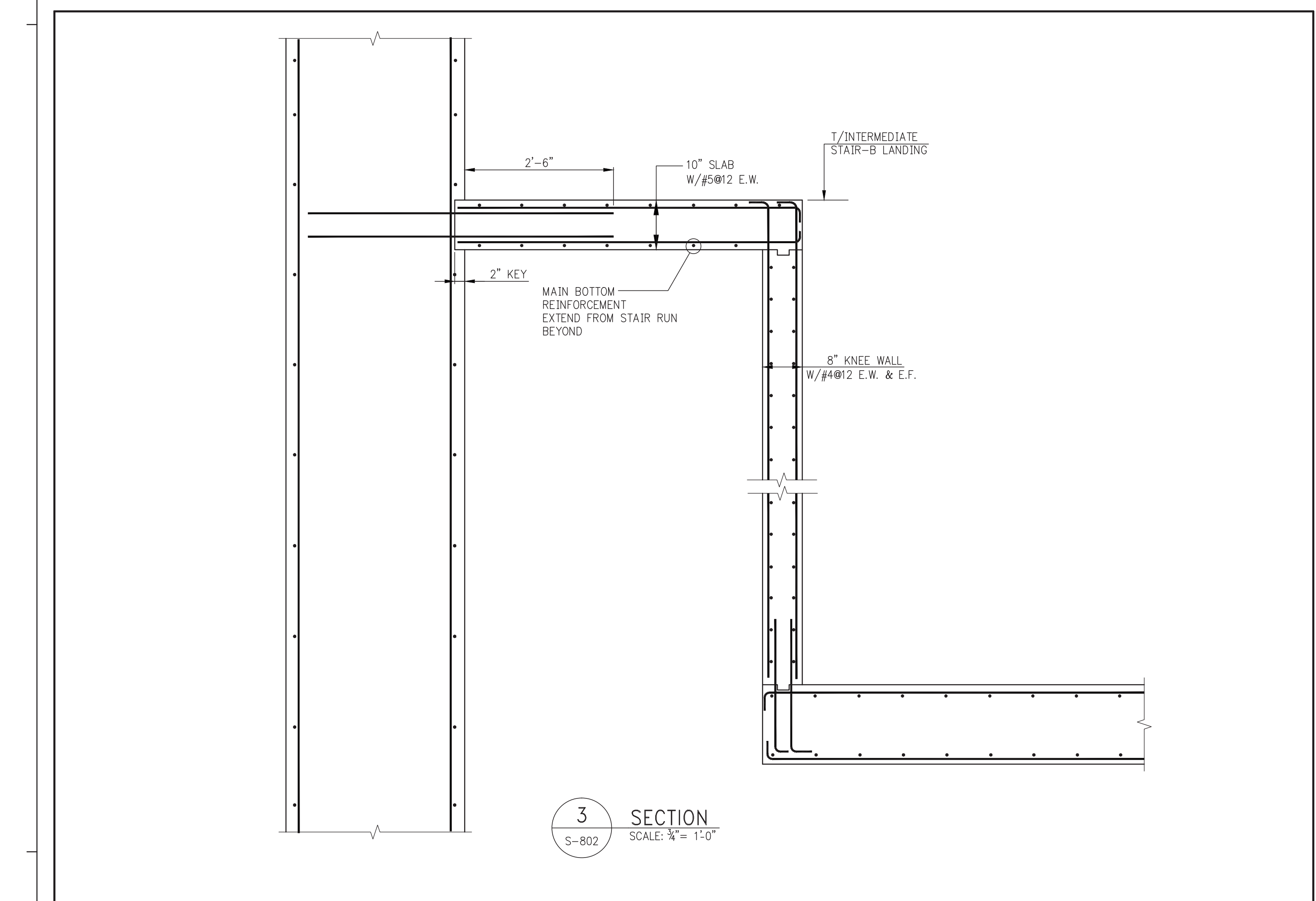
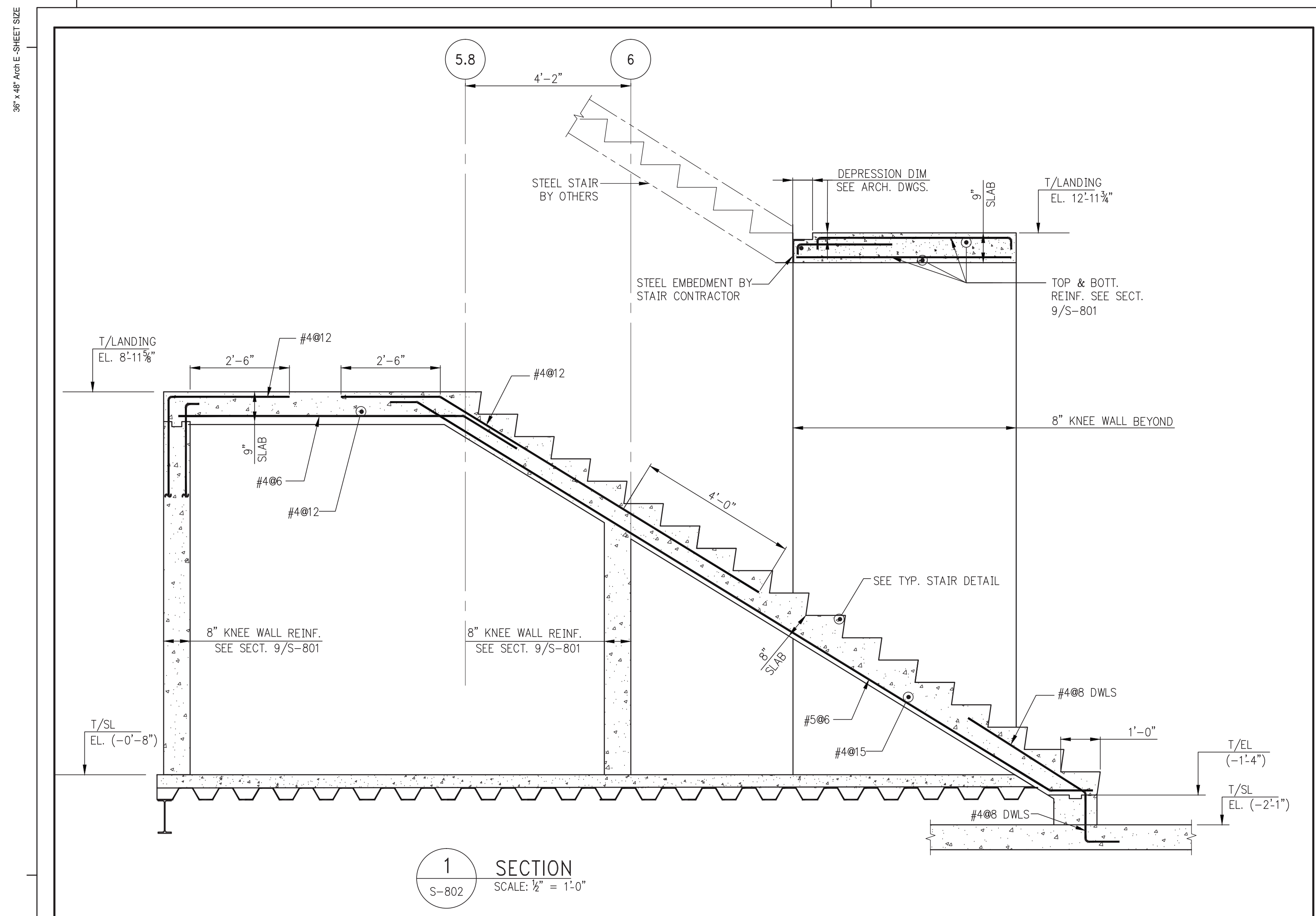
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CONSULTANT: **WSP**
228 East 45th Street
New York, NY 10017
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PROJECT: **217 WEST 57TH STREET
NEW YORK, NY**

DRAWING TITLE: **SUPERSTRUCTURE
BASE SECTIONS 3**

SEAL & SIGNATURE:

DATE: 10-15-2014
PROJECT No: 2012185
DRAWN: CADD REV: 7
CHK: Y.E.
SCALE: AS INDICATED
DWG No: **S-702.01**
DOB PAGE No: 154 OF 158
DOB 5-SCAN:



KEY PLAN

PROJECT NORTH

DEVELOPER: EXTELL DEVELOPMENT COMPANY
805 THIRD AVENUE, 7TH FLOOR
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TEL: 212 712 6000 FAX: 212 712 6100

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

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

ARCHITECT OF RECORD: Base Building Shell, Core, & Residential
AAI ARCHITECTS, P.C.
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TEL: 416 967 1500 FAX: 416 967 7150

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

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

CODE CONSULTANTS:
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100 Church Street
New York, NY 10007
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CURTAINWALL CONSULTANT:
AJLP Consulting
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TEL: 212 757 8650 FAX: 646 219 8508

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

No.	DESCRIPTION	DATE
1	ISSUED FOR CONSTRUCTION UP TO 5TH FLOOR ONLY	11-07-2014
2	DOB SUBMISSION	12-19-2014
3	DOB SUBMISSION	02-05-2015

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New York, NY 10017
(212) 687-9888
www.wspgroup.com/usa

PROJECT: 217 WEST 57TH STREET
NEW YORK, NY

STAIR SECTIONS

SEAL & SIGNATURE: [Signature]

DATE: 03/31/14

PROJECT No: 2012185

DRAWN: CADD **REV:** 3

CHK: Y.E. **SCALE:** AS INDICATED

DWG No: S-802.00

DOB EMPLOYEE STAMP: [Stamp]

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