

ABBREVIATIONS:

AB	ANCHOR BOLT ABOVE	L	LOW LINK BEAM
ABV	AIR CONDITIONER	LBS	POUNDS PER FOOT
ACI	AMERICAN CONCRETE INSTITUTE	LB/FT	DEVELOPMENT LENGTH
ADDL	ADDITIONAL	LG	LOW POINT
ADJ	ADJACENT	LL	LIVE LOAD
AF	ABOVE FINISHED FLOOR	LLRS	LATERAL LOAD RESISTING SYSTEM
ALSC	ALTERNATE ALUM ALUMINUM	LP	LOW POINT
ALU	ALUMINUM	LPFD	LOAD RESISTANCE FACTOR DESIGN
ANCH	ANCHOR	LT	LIGHT
ANG	ANGLE	LTW	LOADING WEIGHT
APPROX	APPROXIMATE	MAX	MAXIMUM
ARCHIT	ARCHITECTURAL	MAS	MASONRY
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	MATER	MATERIAL
AWG	AVERAGE	MAY	MAY
AWJ	AMERICAN WELDING SOCIETY	MC	MOMENT CONNECTION
B	BASE	MECH	MECHANICAL
BETW	BETWEEN	MEP	MECHANICAL ELECTRICAL AND PLUMBING
BF	BRACE FRAME	MEZZ	MEZZANINE
BL	BUILDING LINE	MF	MOMENT FRAME
BLDG	BUILDING	MF	MANUFACTURER
BLM	BEAM	MN	MINIMUM
BOTT	BOTTOM	MISC	MISCELLANEOUS
BRK	BROCK	N	NORTH
B/S/TL	BOTH SIDES OF STEEL	NA	NOT APPLICABLE
BS	BOTH SIDES	NSC	NOT IN CONTRACT
CANT	CANTILEVER	NO	NUMBER
CF	CURB FOOT	NO	NO
CG	CENTER OF GRAVITY	N/S	NORTH-SOUTH
CIP	CAST IN PLACE	NTS	NOT TO SCALE
CL	CONCRETE JOINT	NW	NORMAL WEIGHT
CLG	CLEAR	O/C	ON CENTER
CLG	CLEAR	OPNG	OPENING
CM	CONSTRUCTION MANAGER	OPP	OPPOSITE
CMU	CONCRETE MASONRY UNITS	PC	PILE CAP
COL	COLUMN	PCF	POUNDS PER CUBIC FOOT
CONC	CONCRETE	PLT	PLATE
COND	CONDITIONS	PLF	POUNDS PER LINEAR FOOT
CONN	CONNECTION	PSF	POUNDS PER SQUARE FOOT
CONSTR	CONSTRUCTIONS	PSI	POUNDS PER SQUARE INCH
CONT	CONTINUOUS	PT	POST TENSION
CONTR	CONTRACTOR	RC	REINFORCED CONCRETE
COORD	COORDINATION	ROF	ROOF DRAIN
CORR	CORRUGATED	REF	REFERENCE
CY	CUBIC YARD	REIN	REINFORCEMENT
DEMO	DEMOLITION	REQD	REQUIRED
DEPT	DEPARTMENT	RFT	REQUEST FOR INFORMATION
DET	DETAIL	S	SOUTH
DIA	DIAMETER	SP	SPANREL BEAM
DM	DIMENSION	SCHED	SCHEDULE
DIR	DIRECTION	SECT	SECTION
DN	DOWN	SF	SQUARE FOOT
DWL	DRAWING	SHT	SHEET
DWG	DRAWING	SLAB	SLAB
E	EAST	SPA	SPACING
EA	EACH	SPEC	SPECIFICATIONS
EF	EACH FACE	SQ	SQUARE
EL	ELEVATION	STR	STRUCTURAL
ELC	ELECTRIC	STIFF	STIFFENER
ELEV	ELEVATOR	STL	STEEL
EMB	EMBEDMENT	STRUC	STRUCTURAL
ENC	ENCLOSURE	SW	SEAWALL
EOR	ENGINEER OF RECORD	SM	SMILAR
EPS	EDGE OF SLAB	T&B	TOP AND BOTTOM
EP	EMBEDDED PLATE	EQ	EQUAL
EQ	EQUAL	EQIP	EQUIPMENT
EQIP	EQUIPMENT	ETC	ETCETERA
ETC	ETCETERA	EW	EACH WAY
EW	EACH WAY	EW	EAST WEST
EXIST	EXISTING	TEMP	TEMPORARY
EXP	EXPANSION	TSF	TONS PER SQUARE FOOT
EXP JT	EXPANSION JOINT	TYP	TYPICAL
EXT	EXTENSION	UN	UNLESS OTHERWISE NOTED
EXTR	EXTERIOR	UP	UPRISED BEAM
FL	FLOOR	VERT	VERTICAL
FND	FOUNDATION	VF	VERT 'IN FIELD
FDB	FACE OF BUILDING	W	WEST
FR	FIRE PROOFING	W/	WITH
FT	FOOT	W/O	WITHOUT
FTG	FOOTING	WF	WIDE FLANGE
GA	GAUGE	WP	WORKING POINT
GA/LV	GALVANIZED	WPG	WATER PROOFING
GC	GENERAL CONTRACTOR	WST	WATER STOP
GB	GRADE BEAM	WT	WIND TRUSS
GRG	GRATING	WVF	WELDED WIRE FABRIC
GYP	GYP/SUM BOARD		
H	HIGH	∅	CENTLINE
HDR	HEADER	∅	ANGLE
HDR	HEIGHT	∅	AND
HORIZ	HORIZONTAL	∅	DIAMETER
HORIZ	HIGH POINT	∅	AT
HR	HOUR		
HS	HIGH STRENGTH		
HVAC	HEAT, VENTILATION & AIR CONDITIONING		
I	INSIDE DIAMETER		
IF	INTERIOR FACE		
IN	INCH		
INCL	INCLUDING		
INFO	INFORMATION		
INSUL	INSULATION		
JT	JOINT		
K	KIP (1000 POUNDS)		
KPF	KIPS PER SQUARE FOOT		
KSI	KIPS PER SQUARE INCH		

CONTROLLED INSPECTIONS

TERMINOLOGY PER CURRENT TR-1 SPECIAL INSPECTION	CURRENT CODE REFERENCES	(PREVIOUS TERMINOLOGY) "CONTROLLED INSPECTION"
STRUCTURAL STEEL - WELDING	1704.3.1	WELDING
STRUCTURAL STEEL - ERECTION & BOLTING	1704.3.3	HIGH - STRENGTH BOLTING
STRUCTURAL COLD - FORMED STEEL	1704.3.4	(NONE)
CONCRETE - CAST IN PLACE	1704.4	CONCRETE
CONCRETE TEST CYLINDERS (TR2)	1905.6	CONCRETE TEST CYLINDERS
CONCRETE DESIGN MIX (TR3)	1905.3	CONCRETE MIX DESIGN
MASONRY	1704.5	MASONRY
SOILS - SITE PREPARATION	1704.7.1	SUBGRADE
SOILS - FILL PLACEMENT & IN-PLACE DENSITY	1704.7.2	CONTROLLED FILL
SOILS - INVESTIGATIONS (BORINGS/TEST PITS) (TR4)	1704.7.4	BORINGS / TEST PITS
UNDERPINNING	1704.9.1	UNDERPINNING
WALL PANELS, CURTAIN WALLS AND VENEERS (ATTACHMENT TO BUILDING)	1704.10	(NONE)
STRUCTURAL SAFETY - STRUCTURAL STABILITY	1704.19	STRUCTURAL STABILITY
EXCAVATION - SHEETING, SHORING AND BRACING	1704.19 & 1304.4.1	SHORING & SHEETING
PROGRESS INSPECTION		
FOOTING AND FOUNDATION	109.3.1	SOIL BEARING PRESSURE
FINAL	28-116.2.4.2 & 109.5.4 AND DIRECTIVE 14-(1975)	FINAL INSPECTION

* THESE TEST MUST BE PERFORMED BY A LICENSED CONCRETE TESTING LAB.

- NOTES:**
- REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION ON CHAPTER 6 AND DETAILED REQUIREMENTS FOR INSPECTIONS.
 - ALL SPECIAL INSPECTIONS SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 17 OF THE NEW YORK CITY BUILDING CODE BY THE APPROVED SPECIAL INSPECTION AGENCY RETAINED BY THE OWNER AND ACCEPTABLE TO THE ENGINEER OF RECORD.
 - REPORTS OF RESULTS SHALL BE SUBMITTED TO THE OWNER AND ARCHITECT FOR REVIEW. SIGNED COPIES OF ALL TESTS AND INSPECTION REPORTS SHALL BE FILED WITH THE BUILDING DEPARTMENT (THROUGH THE APPLICANT).
 - REPORTS SHALL STATE WHETHER RESULTS COMPLY WITH CONTRACT REQUIREMENTS, SUMMARIZE THE TYPE OF TEST, THE LOCATION OR COMPONENT TESTED, AND RECOMMEND ANY REMEDIAL MEASURES REQUIRED. REPORT SHOULD NOTE ANY OTHER DEVIATIONS FROM THE CONTRACT DOCUMENTS.
 - FOR ITEMS OF WORK OF OTHER TRADES WHICH ARE SUBJECT TO SPECIAL INSPECTION, SEE THE CITY OF NEW YORK BUILDING CODE, AS WELL AS CONTRACT REQUIREMENTS, MECHANICAL, ELECTRICAL, PLUMBING, ETC. DRAWINGS AND SPECIFICATIONS.
 - IN ADDITION TO THE ABOVE REQUIREMENTS, ALL COLUMN SPLICE, BEAM MOMENT CONNECTIONS AT BEAMS DESIGNATED AS "LRS" AND BRACE FRAME OR WIND TRUSS CONNECTIONS (PER S-940 SERIES OF DWGS.) SHALL COMPLY WITH THE INSPECTION REQUIREMENTS OF AWS D1.8 "STRUCTURAL WELDING CODE-SEISMIC SUPPLEMENT". IF WELDING IS PRESENT IN CONNECTION.

GENERAL NOTES:

- ALL WORK TO BE PERFORMED IN COMPLIANCE WITH THE NEW YORK CITY BUILDING CODE, LATEST EDITION AND ALL SUPPLEMENTS.
- CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS IN THE FIELD AND BE RESPONSIBLE FOR ACCURATE COORDINATION WHERE POSSIBLE. EXISTING FRAMING DIMENSIONS WERE TAKEN FROM EXISTING DWGS. AND SHALL BE VERIFIED ON SITE. DISCREPANCIES SHALL BE REPORTED TO ARCH. AND ENGINEER BEFORE PROCEEDING.
- TEMPORARY SHORING IS REQUIRED AT ALL LOCATIONS WHERE PARTIAL REMOVAL OF BEAMS IS REQUIRED. CONTRACTOR IS RESPONSIBLE FOR ENGINEERING AND CONTROLLED INSPECTION OF TEMPORARY SYSTEMS.
- THE CONTRACTOR SHALL USE THESE DRAWINGS IN CONJUNCTION WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS. IN THE EVENT OF CONFLICT, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT AND THE ENGINEER.
- ALL UNDERPINNING, SHEETING, SHORING OR OTHER CONSTRUCTION REQUIRED FOR THE SUPPORT OF ADJACENT PROPERTIES, BUILDINGS, SIDEWALKS, UTILITIES, ETC., SHALL BE SUBJECT TO SPECIAL INSPECTION AS REQUIRED BY THE CODE. THE CONTRACTOR SHALL RETAIN A LICENSED PROFESSIONAL ENGINEER ACCEPTABLE TO THE ENGINEER OF RECORD TO PROVIDE THE NECESSARY DESIGN AND THE REQUIRED INSPECTOR'S PROFESSIONAL ENGINEER SHALL PREPARE AND FILE THE REQUIRED FORMS FOR THE WORK WITH THE BUILDING DEPARTMENT.

FOUNDATION NOTES:

- FOOTING NOTES**
- ALL FOOTINGS, PIER AND FOUNDATION WALLS SHALL BE ON ROCK WITH A SAFE BEARING CAPACITY OF 60 TON PER SQ. FT. SEE FOOTING SCHEDULE ON DRAWING FD-100.
 - WHERE THE REQUIRED BEARING MATERIAL IS NOT FOUND AT THE ANTICIPATED ELEVATION SHOWN (ELEVATION BASED ON BORING INTERPOLATED DATA) THE FOOTINGS SHALL BE LOWERED TO A DEPTH AT WHICH THE REQUIRED BEARING CAPACITY IS FOUND. PROVIDE PIER AS REQUIRED. FOR MIN. REQUIREMENTS SEE TYP. DETAILS.

ROCK ANCHOR GENERAL NOTES

- ROCK ANCHORS SHALL BE IN CONFORMANCE WITH LATEST PIT (POST - TENSIONING INSTITUTE) "RECOMMENDATIONS FOR PRESTRESSED ROCK AND SOIL ANCHORS" FOR SIZES AND LOCATIONS SEE FOUNDATION DRAWINGS.
- ALL ROCK ANCHORS SHALL BE GRADE 150 THREADED BARS CONFORMING TO ASTM A-722. THREADED BARS SHALL BE PROVIDED WITH SHOP FABRIC CORROSION PROTECTION. THREADED BARS, ANCHORAGE'S, CENTRALIZERS, ACCESSORIES, CORROSION PROTECTION SYSTEM, ETC. SHALL BE PROVIDED BY S&S STREESSTEL OR APPROVED EQUAL.
- THREADED BARS SHALL BE ENCAPSULATED WITH HIGH STRENGTH PVC CORRUGATED SHEATHING (COMPRESSIVE STRENGTH = 7,000 PSI) AND SHALL BE PRE-CURED BY THE MANUFACTURER.
- PLATES SHALL CONFORM TO ASTM A-36.
- ANCHOR NUTS AND COUPLERS SHALL BE CAPABLE OF DEVELOPING 100% OF THE ULTIMATE STRENGTH OF THE THREADED BAR.
- CARE MUST BE TAKEN NOT TO DAMAGE THE TENDONS. KEEP ALL COMPONENTS OF THE SYSTEM FREE OF DIRT OR OTHER DELETERIOUS SUBSTANCES.
- DO NOT USE ANCHORS AS A GROUND FOR WELDING.
- THE FIRST THREE ANCHORS INSTALLED, AND TEN PER CENT OF REMAINING ANCHORS, SHALL BE PERFORMANCE TESTED. ALL OTHER ANCHORS SHALL BE PROOF TESTED. ALL TESTS SHALL BE PERFORMED USING A CALIBRATED CENTER HOLE JACK.
- PERFORMANCE TESTS SHALL BE MADE BY INCREMENTALLY LOADING AND UNLOADING THE ANCHOR IN ACCORDANCE WITH THE FOLLOWING SCHEDULE, WHERE A= ALIGNMENT LOAD AND P= DESIGN LOAD:
10.1 AL, 25P
10.2 AL, 25P, 50P
10.3 AL, 25P, 50P, 75P
10.4 AL, 25P, 50P, 75P, 100P
10.5 AL, 25P, 50P, 75P, 100P, 1.20P
10.6 AL, 25P, 50P, 75P, 100P, 1.20P, 1.33P (TEST LOAD)
HOLD 1.33P FOR CREEP TEST. RECORD MOVEMENTS AT EACH INCREMENT USING A DIAL INDICATOR CAPABLE OF READING INCREMENTS OF .001 INCH. ALL IN CONFORMANCE WITH PITI RECOMMENDATIONS. RELEASE TO TRANSFER LOAD AND LOCK OFF ANCHOR NUT.
- PROOF TESTS SHALL BE MADE BY INCREMENTALLY LOADING THE ANCHOR 25P, 50P, 75P, 100P, 1.20P, 1.33P (TEST LOAD, TEN MINUTE HOLD) RECORD MOVEMENTS AT EACH INCREMENT IN CONFORMANCE WITH PITI RECOMMENDATIONS. RELEASE TO TRANSFER LOAD AND LOCK OFF ANCHOR NUT.
- CONTRACTOR SHALL SUBMIT ANCHOR SHOP DRAWING(S) FOR APPROVAL PRIOR TO COMMENCING ANCHOR INSTALLATION. SHOP DRAWING(S) SHALL CONTAIN ANCHOR DETAILS, AND INSTALLATION AND TESTING PROCEDURES.

TABLE FOR DOUBLE CORROSION PROTECTION ROCK ANCHORS

THREADED DESIGN BAR LOAD (KIPS)	ANCHOR PLATE DIAMETER (KIPS)	MINIMUM DRILL HOLE DIAMETER (IN)	MINIMUM EMBEDMENT LENGTH (IN)	MINIMUM EMBEDMENT IN FOOTING "H"	MAXIMUM OFFSET "T" OR "G"	SEE NOTE 4	MINIMUM EDGE DISTANCE "C"
3"	615"	12"x12"x4 1/2"	8"	35-0"	51-0"	2-0"	21-0"

- NOTES FOR CORROSION PROTECTION TABLE:**
- MINIMUM DRILL HOLE DIAMETER ASSUMES COUPLERS ARE NOT REQUIRED. HOLE DIAMETER MAY INCREASE DUE TO USE OF COUPLERS OR ROCK CONDITION.
 - ACTUAL BOND LENGTH TO BE DETERMINED BY GEOLOGICAL CONSULTANT FROM BORINGS AND ROCK SAMPLES. GROUP ACTION EFFECTS ARE TO BE CONSIDERED.
 - MEMBRANE SHALL BE PLACED AGAINST A SUITABLE SUBSTRATUM, REFER TO THE MANUFACTURER'S REQUIREMENTS FOR MEMBRANE PLACEMENT. HORIZONTAL MEMBRANE PLACEMENT SHALL BE AGAINST A MILD SMOOTH SURFACE.
 - CONTRACTOR TO PROVIDE SEQUENCE OF CASTING AND APPROPRIATE WP PRODUCT (PREPARE VS. BITUMEN), OVERLAP DETAILS AND TERMINATION DETAILS.

WATERPROOFING NOTES (BY MRCE)

- ALL JOINTS TO RECEIVE A WATERSTOP AS PER SPECIFICATIONS (SMALL-SEAL) (OUTSIDE OF SHEAR KEY, MIN 3" COVER)
 - CONTRACTOR TO PROVIDE ALL PENETRATION DETAILS AND DETAILS NOT COVERED BY STANDARD PRACTICE DETAILS
 - MEMBRANE SHALL BE PLACED AGAINST A SUITABLE SUBSTRATUM, REFER TO THE MANUFACTURER'S REQUIREMENTS FOR MEMBRANE PLACEMENT. HORIZONTAL MEMBRANE PLACEMENT SHALL BE AGAINST A MILD SMOOTH SURFACE.
 - CONTRACTOR TO PROVIDE SEQUENCE OF CASTING AND APPROPRIATE WP PRODUCT (PREPARE VS. BITUMEN), OVERLAP DETAILS AND TERMINATION DETAILS
- SUPERSTRUCTURE CONCRETE NOTES**
- CONCRETE**
- ALL CONCRETE SHALL BE NORMAL WEIGHT CONTROLLED CONCRETE, U.O.N., AND COMPLY WITH THE A.C.I. BUILDING CODE AND THE CURRENT NEW YORK CITY BUILDING CODE.
 - CONCRETE STRENGTH SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:
SLABS AND BEAMS SEE PLAN
SHEAR WALLS & COLUMNS SEE COLUMN SCHEDULE
LINK BEAMS SAME AS SHEARWALL STRUCTURE
 - NO CONCRETE SHALL BE PLACED UNTIL THE CONTRACTOR HAS INSTALLED ALL THE INSERTS AND DOVETAILS NECESSARY TO PROVIDE SUPPORT FOR MULLIONS, APPLIED FINISHES, PARTITIONS, PIPES, DUCTS, EQUIPMENT, ETC., AS REQUIRED IN ARCHITECTURAL, H.V.A.C. AND STRUCTURAL DRAWINGS, WHERE BRICK VENEER EXCEEDS 18" IN HEIGHT, PROVIDE DOVETAIL TYPE MASONRY ANCHORS SPACED AT 24" O.C. IN ALL BACK UP VERTICAL CONCRETE SURFACES.
 - CONTRACTOR SHALL VERIFY LOCATIONS AND DIMENSIONS OF ALL SLOTS, PIPEDE SLEEVES, DUCTS AND ANY OTHER CONCRETE PENETRATIONS AS REQUIRED FOR VARIOUS TRADES BEFORE CONCRETE IS PLACED.
 - SHOP DRAWINGS SHOWING COMPOSITE LAYOUT OF ALL PENETRATIONS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
 - ALL PLUMBING AND ELECTRICAL SLOTS SHALL BE FILLED WITH CONCRETE TO THE SAME DEPTH AS FLOOR AFTER CONDUITS AND/OR PIPES ARE INSTALLED.
 - NO PIPES OR CONDUITS EXCEEDING 1/3 SLAB THICKNESS IN OUTSIDE DIAMETER NOR OVER NOMINAL 2" INSIDE DIAMETER SHALL BE EMBEDDED IN THE STRUCTURAL CONCRETE FLOOR OR SLAB. NO PIPES AND/OR CONDUITS SHOULD BE PLACED CLOSER THAN 3 DIAMETER ON CENTER NOR PASS WITHIN 24" OF COLUMN FACE, U.O.N. JUNCTION BOXES MAY BE PLACED IN STRUCTURAL CONCRETE SLAB BUT SHALL NOT EXCEED 48" X 48" X 3 1/2" IN DEPTH AND SHALL BE SEPARATED FROM OTHER JUNCTION BOXES BY NOT LESS THAN 8" OF CONCRETE.
 - ALL MEMBERS IN THE FLOOR SYSTEM INCLUDING BEAMS, BRACKETS, COLUMN CAPITALS AND HAUNCHES SHALL BE PLACED MONTHLY. VERTICAL CONNECTION JOINTS NECESSARY MAY BE MADE AT CENTER OF BEAM OR SLAB USING APPROVED BULKHEADS AND ADDITIONAL REINFORCING AS SHOWN ON DETAILS.
 - NO CONCRETE FLOOR SYSTEM IS TO BE INSTALLED UNTIL AT LEAST TWO HOURS HAVE PASSED AFTER THE SUPPORTING COLUMNS AND WALLS ARE PLACED.
 - WHEN PLACING CONCRETE AGAINST AN ADJACENT BUILDING OR AT EXPANSION JOINT, AT LEAST 1" (U.O.N.) OF HIGH DENSITY STYROFOAM SHALL BE PLACED AT THE INTERFACE BETWEEN THE EXISTING AND NEW CONCRETE. IN ADDITION, THE CONTRACTOR WITH THE NECESSARY MEASURES SO AS TO CREATE ANY DAMAGE TO THE EXISTING CONSTRUCTION WHILE PLACING THE NEW CONCRETE.
 - TEMPORARY SHORING AND RE SHORE OF FLOOR CONSTRUCTION SHALL CONFORM TO REQUIREMENTS OF THE SPECIFICATIONS AND/OR CONTRACT DRAWINGS. TEMPORARY SHORING AND RE SHORE SHALL REMAIN IN PLACE AT LEAST 28 DAYS AFTER PLACEMENT OF CONCRETE.
 - NO DEVIATION FROM THE STRUCTURAL PLANS SHALL BE PERMITTED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE STRUCTURAL ENGINEER.

REINFORCEMENT

- ALL CONCRETE SHALL BE NORMAL WEIGHT CONTROLLED CONCRETE, U.O.N., AND COMPLY WITH A.C.I. BUILDING CODE AND THE CURRENT NEW YORK CITY BUILDING CODE.
- CONCRETE STRENGTH SHALL BE AS FOLLOWS, UNLESS OTHERWISE NOTED:
- FOOTING/SLAB 10,000 PSI
- COLUMNS/SHEARWALLS SEE COLUMN SCHEDULE
- STRUCTURAL STEEL SHALL BE NORMAL WEIGHT CONTROLLED CONCRETE, U.O.N., AND COMPLY WITH A.C.I. BUILDING CODE AND THE CURRENT NEW YORK CITY BUILDING CODE. PROVISIONS SHALL BE MADE FOR FIELD INSPECTION AND TESTING OF WELDS. ALL SHOP WELDS SHALL BE TESTED BY ANY OF THE APPROVED METHODS AND SHALL BE CERTIFIED.
- ALL BARS MARKED CONTINUOUS, SHALL BE LAPPED AS PER TENSION LAP TABLES (MIN 36 DIA) AT SPICES AND CORNERS EXCEPT AS OTHERWISE SHOWN ON PLANS. LAP CONTINUOUS TOP BARS AT CENTER BETWEEN SUPPORTS AND BOTTOM BARS AT SUPPORTS. HOOK TOP BARS AT DISCONTINUOUS ENDS.
- CONTRACTOR TO INSTALL ALL PIPE SLEEVES, BORED OPENINGS, ANCHOR BOLTS, ETC., AS REQUIRED FOR THE VARIOUS TRADES.
- RAMPS, DRIVEWAYS EXPOSED TOPPING, SIDE WALKS - ALL DIRECTLY EXPOSED TO CARS AND/OR PEDESTRIAN TRAFFIC:
A. DOI (CALCIUM NITRITE) CORROSION INHIBITOR, (4.0 GAL/103)
B. WATER/CEMENT RATIO NOT TO EXCEED 0.40
C. USE OF SUPERPLASTICIZER TO ACHIEVE THE W/C RATIO
D. CONCRETE TO CONTAIN SILICA FUME (5% OF TOTAL CEMENT) OR SLAG (40%)
E. 1.5 LBS/103 FIBER MESH
F. ENTRAINED AIR AT 6% ± 1.
G. THE CURING SHALL BE ONLY MOIST TYPE. NO CURING COMPOUND ACCEPTABLE.
H. ALL TOP REBARS TO BE EPOXY COATED.

- ALL WELDED CONNECTIONS SHALL CONFORM TO THE NEW YORK CITY BUILDING CODE. PROVISIONS SHALL BE MADE FOR FIELD INSPECTION AND TESTING OF WELDS. ALL SHOP WELDS SHALL BE TESTED BY ANY OF THE APPROVED METHODS AND SHALL BE CERTIFIED.
- ALL BOLT SHALL CONFORM TO THE FOLLOWING ASTM DESIGNATIONS, LATEST EDITION: HIGH STRENGTH BOLTS A-325 AND A-490, SLIP CRITICAL, U.O.N.
- ALL BOLTS SHALL BE 3" A MINIMUM ON HORIZONTAL WELDS UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
- ALL CONNECTIONS SHALL BE HIGH STRENGTH BOLTED OR WELDED. BOLTED CONNECTIONS TO HAVE MIN. 2 BOLTS.
- ALL FIELD SPLICES IF REQUIRED SHALL BE DONE AT CONTRACTORS EXPENSE.
- ALL ENDS OF COLUMNS AT SPICES AND ALL OTHER BEARING CONNECTIONS SHALL BE WELDED TO COMPLETE TRUE BEARING.
- PROVISIONS SHALL BE MADE FOR CONNECTIONS OF OTHER TRADES INCLUDING CUTTING AND FINISHING OF STRUCTURAL MEMBERS, WHERE REQUIRED BY THE DWGS. OR FOR WHICH INFORMATION IS FURNISHED PRIOR TO FABRICATION.
- THE USE OF A CUTTING TORCH IN THE FIELD WILL NOT BE PERMITTED.
- WELDING PROCESSES SHALL CONFORM TO CODE REQUIREMENTS REGARDING THE NEED FOR COLUMN STIFFENERS.
- CONTRACTOR SHALL PROVIDE STIFFENERS PER CHAPTER 6 OF SPECIFICATION (LRFD) REGARDING THE NEED FOR COLUMN STIFFENERS.
- CHARRY V-NOTCH REQUIREMENTS: MEMBERS THICKER THAN 2" SUBJECT TO TENSILE FORCES AND CONNECTED WITH COMPLETE PENETRATIONS WELD SHALL HAVE MIN. CHARRY V-NOTCH TOUGHNESS OF 20FT-LBS AT 70° F.
- ALL WELDERS TO BE LICENSED BY THE STATE OF NEW YORK.
- STRUCTURAL STEEL THAT WILL REMAIN EXPOSED TO VIEW SHALL BE PAINTED OR GALVANIZED AS PER THE SPECIFICATIONS.
- DESIGN OF ALL TEMPORARY STEEL COLUMN BRACING REQUIRED DURING ERECTION SHALL BE THE RESPONSIBILITY OF THE STEEL CONTRACTOR.
- ALL STEEL BEAMS AND COLUMNS SHALL BE SPRAY FIREPROOFED U.O.N. SEE ARCH. DRAWINGS FOR APPROPRIATE RATING AND REFER TO SPECIFICATION 0781.
- THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND BE RESPONSIBLE FOR ADEQUATE COORDINATION. DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT OR ENGINEER BEFORE PROCEEDING.
- THE CONTRACTOR MUST SUBMIT SHOP DRAWINGS TO THE STRUCTURAL ENGINEER FOR REVIEW. NO CONSTRUCTION IS TO BE STARTED UNTIL SHOP DRAWINGS ARE REVIEWED BY THE ENGINEER.
- IF THE STRUCTURAL ENGINEER OR HIS FIELD QUALIFIED REPRESENTATIVE MUST CHECK AND APPROVE ALL STEEL REINFORCING PRIOR TO CONSTRUCTION.
- PRIOR TO INSTALLATION OF ANCHOR BOLTS OR ANY DRILLING OF EXISTING SLAB, BEAM, WALL OR COLUMN, LOCATION OF EXISTING REINFORCING SHALL BE IDENTIFIED. NO EXISTING REINFORCING IS ALLOWED TO BE CUT OR DAMAGED FOR ANCHOR BOLT INSTALLATION DURING THE COURSE OF NEW CONSTRUCTION. CONNECTIONS SHALL HAVE HORIZONTAL SLOTTED HOLES FOR ADJUSTMENT.
- ALL BEAM SPLICES, IF REQUIRED SHALL BE DONE AT CONTRACTOR'S EXPENSE.
- ALL PIPING AND DUCTWORK TO BE HUNG FROM BEAMS ONLY.
- REMOVE ALL RUST, PAINT, MILL SCALE OR OTHER MATERIAL TO CLEAN STEEL PRIOR TO WELDING TO EXISTING STEEL.

CODES AND TESTS

- THIS STRUCTURE HAS BEEN DESIGNED UNDER THE PROVISIONS OF THE NEW YORK CITY BUILDING CODE AS AMENDED BY A.C.I. 318.
- ALL CONTROLLED CONCRETE SHALL COMPLY WITH THE A.C.I. 318 BUILDING CODE AND THE NEW YORK CITY BUILDING CODE. A SPECIAL AMENDMENT FORM FOR CONTROLLED CONCRETE WITH CONCRETE TESTS AND CURVES OF TESTS FOR THE PRELIMINARY DESIGN MIX PREPARED BY AN APPROVED LABORATORY MUST BE SUBMITTED TO THE ENGINEER FOR FILING WITH THE BUILDING DEPARTMENT. NO CONCRETE IS TO BE PLACED BEFORE SUCH AN AMENDMENT IS APPROVED BY THE BUILDING DEPARTMENT.
- DESIGN AND CONSTRUCTION OF FORMWORK IS TO COMPLY WITH THE A.C.I. 318 BUILDING CODE AND THE NEW YORK CITY BUILDING CODE AS AMENDED.
- TRANSPORTING, PLACING, CURING AND DEPOSITING OF CONCRETE SHALL COMPLY WITH THE A.C.I. BUILDING CODE.
- ALL REINFORCING BARS SHALL BE DEFORMED BARS CONFORMING TO "SPECIFICATIONS FOR DEFORMED BULLET-STEEL BARS FOR CONCRETE REINFORCEMENT" A.S.T.M. A615 GRADE 60. THE STEEL SUPPLIER SHALL PROVIDE THE ENGINEER WITH AN AFFIDAVIT OF THE PRODUCER OF THE STEEL CERTIFYING THAT THE STEEL MEETS THE REQUIREMENTS OF THE A.S.T.M. 6. ALL STRUCTURAL STEEL (LINKETS, DUNNAGE BEAMS, ETC.) SHALL CONFORM TO A.S.T.M. A-36, U.O.N.

MASONRY NOTES

- SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR COMPLETE REQUIREMENTS FOR C.M.U. MASONRY CONSTRUCTION AND APPEARANCE. DETAILS AND NOTES SHOWN ON THE STRUCTURAL DRAWINGS ARE INTENDED TO SUPPLEMENT ARCHITECTURAL REQUIREMENTS AND TO DEFINE ELEMENTS WHICH PROVIDE STRUCTURAL STRENGTH AND STABILITY.
- DETAILS, SECTIONS, SCHEDULES, ETC. AND THESE NOTES, REPRESENT THE MINIMUM REQUIREMENTS FOR STRUCTURAL ADEQUACY. WHERE ARCHITECTURAL REQUIREMENTS DIFFER FROM STRUCTURAL, THE MORE STRINGENT SHALL BE FOLLOWED.
- CODE: MASONRY WALL CONSTRUCTION SHALL CONFORM TO THE NEW YORK CITY BUILDING CODE AND TO ACI 530/ASCE-5 AS REFERENCED BY THE NYC CODE.
- MASONRY UNITS SHALL BE LIGHTWEIGHT HOLLOW LOAD BEARING CONCRETE MASONRY (CMU). COMPRESSIVE STRENGTH OF MASONRY FM SHALL BE A MINIMUM OF 1,500 PSI.
- MORTAR SHALL BE TYPE M OR S.
- HORIZONTAL JOINT REINFORCEMENT SHALL BE TRUSS TYPE GALVANIZED COLD-DRAWN STEEL WIRE.
- ACTUAL BOND LENGTH TO BE DETERMINED BY GEOLOGICAL CONSULTANT FROM BORINGS AND ROCK SAMPLES. GROUP ACTION EFFECTS ARE TO BE CONSIDERED.
- PROVIDE HORIZONTAL JOINT REINFORCEMENT IN EVERY OTHER JOINT (16" O.C. VERTICALLY).
- PLATES FOR LARGE DIAMETER BARS TO BE SUPPLIED BY MANUFACTURER, SUBJECT TO ENGINEER'S APPROVAL. GRADE 50 MAY BE USED AT MANUFACTURER'S OPTION.
- MAXIMUM OFFSET "T" OR "G" MAY BE INCREASED IF MINIMUM EMBEDMENT "H" IS ALSO INCREASED BY AT LEAST THE SAME AMOUNT. PROJECT DESIGNER IS TO ESTABLISH NEW DIMENSIONS.

SEISMIC AND WIND CRITERIA NOTES:

- THE STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE LATEST NEW YORK CITY BUILDING CODE (NYCBC 2008).
- WIND DESIGN DATA:**
WIND LOADS BASED ON PROJECT SPECIFIC WIND TUNNEL TEST RWD1 11/8/2013 IN ACCORDANCE WITH PROVISION OF NYCBC 2008.
- EARTHQUAKE DESIGN DATA:**
- SEISMIC IMPORTANCE FACTOR = 1
- S_s = 0.365, S₁ = 0.071
- S_{DS} = 0.243g, S_{DS1} = 0.047g
- SITE CLASS B
- SEISMIC DESIGN CATEGORY = B
- CONCRETE FORCE RESISTING SYSTEM = ORDINARY REINFORCED CONCRETE SHEARWALLS
- DESIGN BASE SHEAR (V): E/W = 2050 kips
N/S = 2050 kips
- SEISMIC RESPONSE COEFFICIENT (C_s): E/W = 0.0107
N/S = 0.0107
- RESPONSE MODIFICATION FACTORS: R = 5
(R_s = 2%, Cd = 4%)
- ANALYSIS PROCEDURE USED = EQUIVALENT LATERAL FORCE PROCEDURE

NON-STRUCTURAL ITEMS SHOWN ON THE STRUCTURAL/FOUNDATION DRAWINGS

- THE FOLLOWING NON-STRUCTURAL ITEMS MAY BE SHOWN ON THE STRUCTURAL AND/OR FOUNDATION DRAWINGS FOR THE PURPOSE OF CLARITY IN INTERFACE WITH STRUCTURAL AND/OR FOUNDATION WORK. ITEMS BELOW MAY NOT BE FULLY DEFINED ON THE STRUCTURAL/FOUNDATION DRAWINGS. THE INFORMATION FOR NON-STRUCTURAL ELEMENTS IS FURNISHED BY OTHER CONSULTANTS AS LISTED BELOW. ALL RFI AND SHOP DRAWINGS RELATED TO THESE NON-STRUCTURAL ITEMS SHALL BE SUBMITTED TO THE CONSULTANTS LISTED BELOW FOR THEIR REVIEW AND APPROVAL.

- GEOTECHNICAL ENGINEER**
- FOUNDATION/UNDERSLAB WATERPROOFING, DAMPROOFING SYSTEMS
 - WALL AND UNDERSLAB DRAINAGE SYSTEM, INCLUDING SUMP PITS, GRAVEL & PIPING, CLEANOUTS
 - ROCK ANCHORS
 - CAISSONS AND PILES, INCLUDING REINFORCEMENT
 - ROCK CONTOURS

ARCHITECT OF RECORD

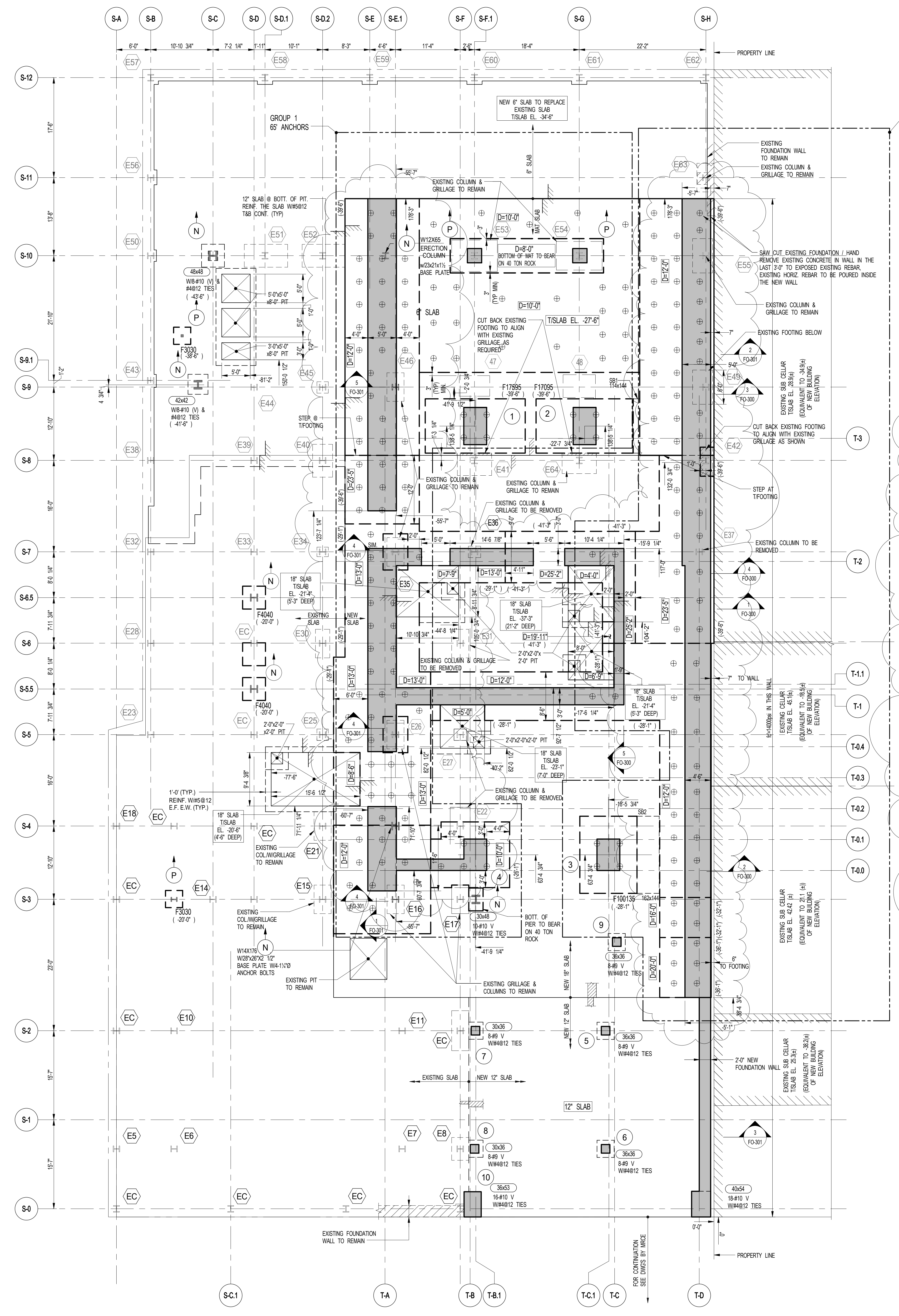
- SUMP PITS
- WATERPROOFING/DAMP-PROOFING APPLIED TO EXPOSED SURFACES, ELEVATOR OR SUMP PIT INTERIOR SURFACES
- PAINT
- BREEKPROOF CONCRETE CURBS, HEIGHT, WIDTH, EXTENT, LOCATION
- BRICK, BLOCK, TILE MASONRY, METAL PANELS, PRECAST FACADE PANELS, CURTAIN WALLS AND ALL OTHER FACADE SYSTEMS
- ROOFING SYSTEMS INCLUDING VENTILATIONS, SLOPES TO DRAINS FILLS, INSULATION, PAVERS OR GRAVEL
- FLOATING/SECONDARY SLABS

STRUCTURAL STEEL NOTES:

- STRUCTURAL STEEL HAS BEEN DESIGNED IN ACCORDANCE WITH THE NEW YORK CITY BUILDING CODE. ALL WIDE FLANGE STEEL SECTIONS TO BE ASTM A992. ALL OTHER STEEL TO BE ASTM A572 GRADE 50. A MINIMUM YIELD OF 50,000 PSI U.O.N. THIS (A) DEN

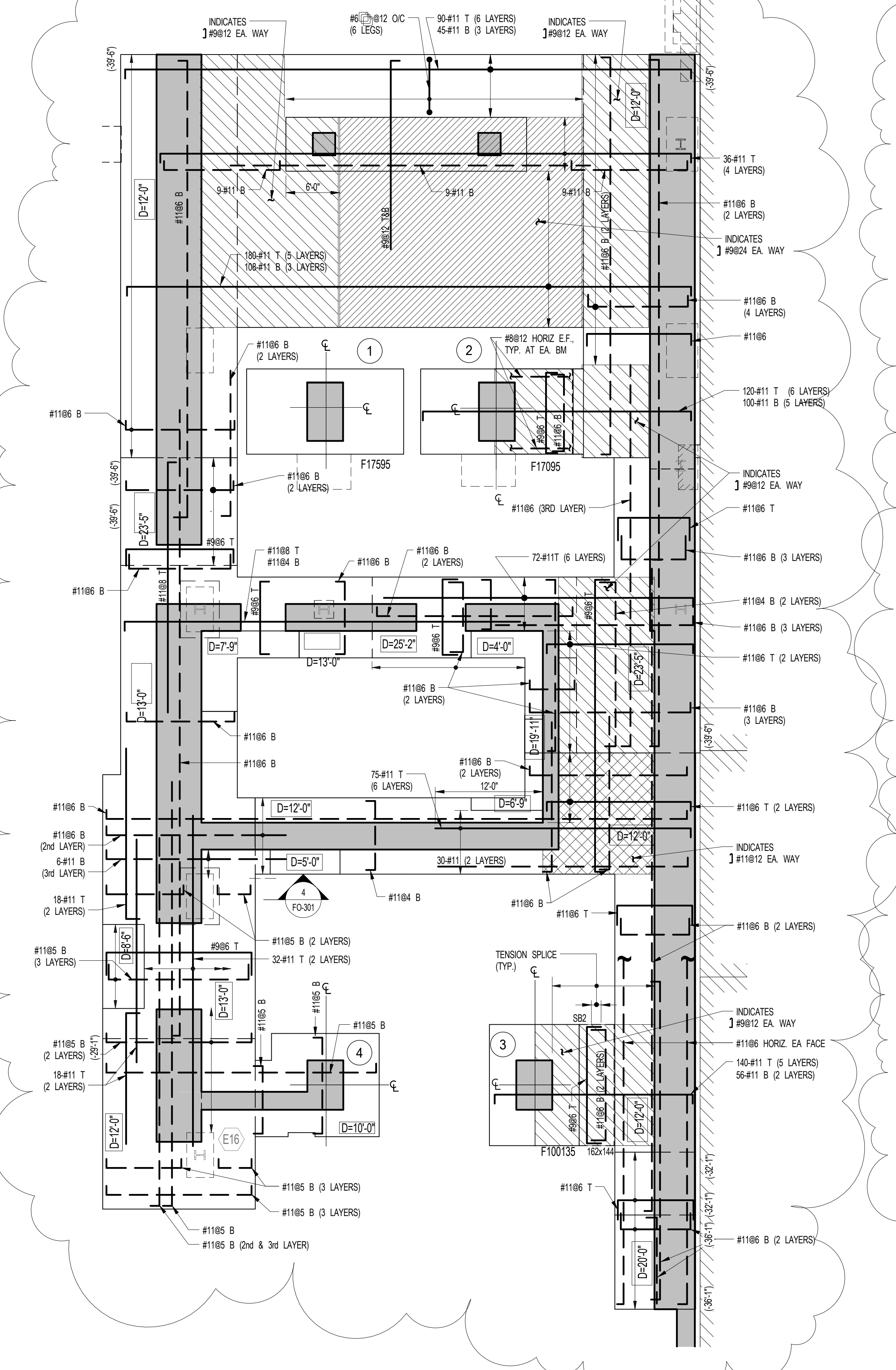


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111 WEST 57TH STREET

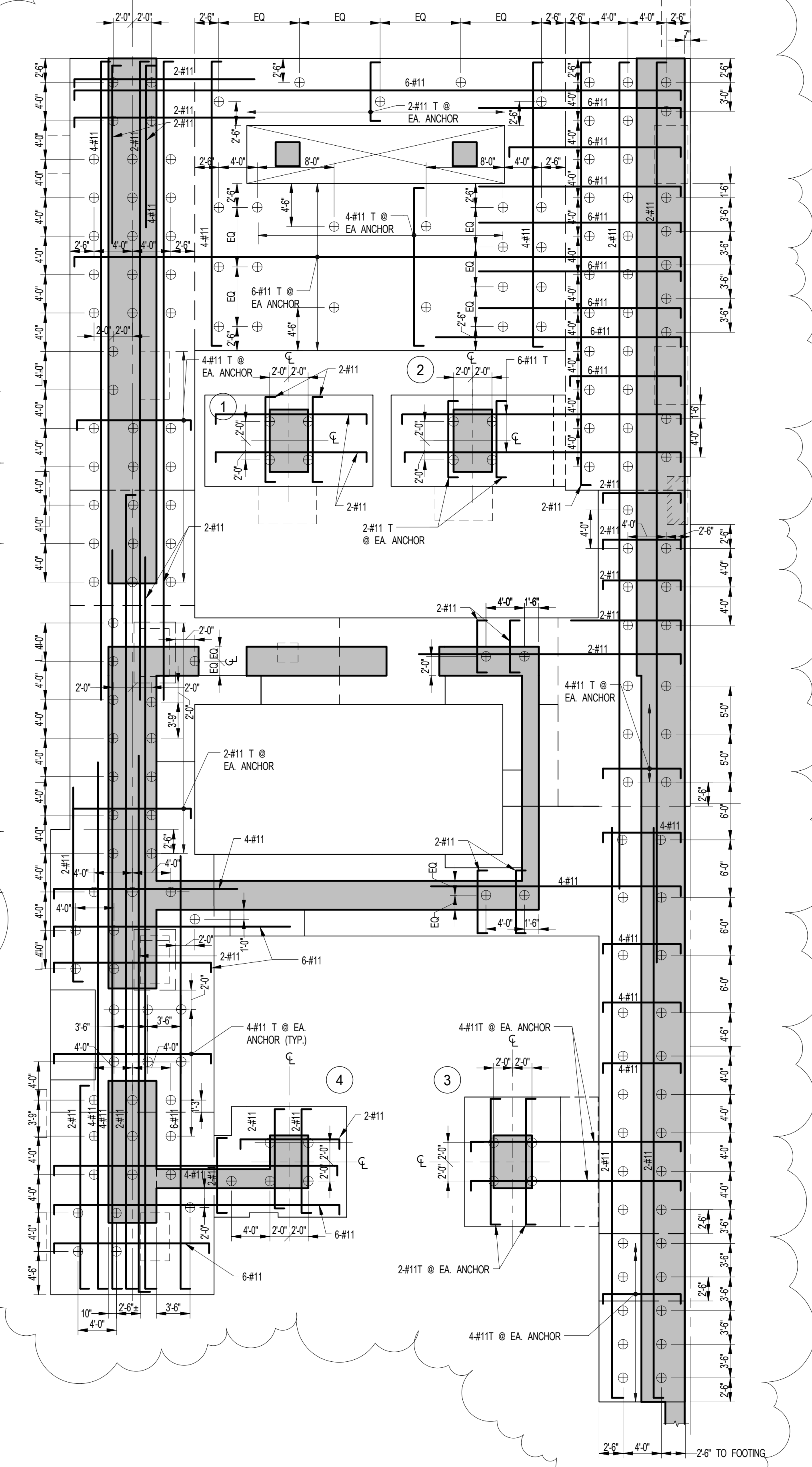


1 FOUNDATION PLAN
FO-100 SCALE: 1/8" = 1'-0"

- NOTES
- TOP OF SLAB (EL.) SEE PLAN.
 - SLAB TO BE 6" THICK (LION ON PLAN) STONE CONCRETE (f=10,000 psi) REINFORCEMENT FOR 18" SLAB TO BE #812 TAB IN NS DIRECTION CONT. & #1112 TAB IN EW DIRECTION CONT. REINFORCEMENT FOR 12" SLAB TO BE #512 TAB MAT. (LION) REINFORCEMENT FOR 12" MAT TO BE #1812 TAB MAT. (LION) ALL ADDITIONAL REINFORCEMENT ARE SHOWN ON PLAN. SLAB TO BE POURED ON W.P. MEMBRANE WHICH SITS ON 2" MUDSLAB OVER MINIMUM 6" BENCH OF GRAVEL, (SEE SPEC. BY GEOTECHNICAL ENGINEER).
 - TOP OF FOOTING TO BE AT TOP OF SLAB THICKNESS (---) ON PLAN INDICATING BOTTOM OF FOOTING ELEVATION.
 - CENTRE FOOTING SHALL BE CENTRE OF SINGLE COLUMN/WALL ABOVE (LION).
 - PROVIDE DOWELS IN FOOTING TO MATCH VERTICAL WALL/COLUMN REINFORCEMENT.
 - ALL SUBGRADE PREPARATION SHALL BE PER GEOTECHNICAL ENGINEER'S RECOMMENDATION (SEE GEOTECHNICAL REPORT, DRAWINGS AND SPECIFICATIONS). WATER PROOFING MEMBRANE TO BE PLACED BELOW LOWEST PORTION OF STRUCTURE. ALL WATERPROOFING TYPES & LOCATION TO BE COORDINATED WITH GEOTECHNICAL ENGINEER REQUIREMENTS AND ARCHITECTURAL SPECIFICATIONS.
 - FOR PIT LOCATIONS & SIZE SEE ARCH. AND MEP DRAWINGS.
 - FOR TYPICAL FOUNDATION DETAILS, NOTES AND SCHEDULES SEE FO-300 SERIES DWGS.
 - FOR FOUNDATION SECTIONS SEE FO-300 SERIES DWGS.
 - FOR COLUMN SIZE AND DETAILS, SEE S-900 SERIES DWGS.
 - PROVIDE WATERSTOPS AT ALL CONSTRUCTION JOINTS IN CONCRETE SLABS & WALLS.
 - PIT SLAB REINFORCEMENT TO MATCH SLAB REINFORCEMENT (LION).
 - FOR SEQUENCE OF CONSTRUCTION SEE MASTER PUTEBOOK DWG. (SEE-G).
 - PROJECT 07-4811 MBO.
 - FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND SEE DWG. FO-001.
 - INDICATES 30x30 POST WITH 8#9 VERT. + #4812 TIES.



2 MAT REINFORCEMENT PLAN
FO-100 SCALE: 1/8" = 1'-0"



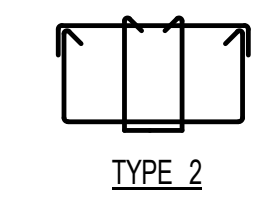
3 ROCK ANCHOR LOCATION PLAN
FO-100 SCALE: 1/8" = 1'-0"

FOOTING SCHEDULE
ALLOWABLE BEARING PRESSURE = 60 TONS/SF

MARK	SIZE	THICKNESS (DEPTH IN INCHES)	REINFORCING LONG WAY	REINFORCING SHORT WAY	REMARKS
F3030	3'-0"x3'-0"	36	4-#9	4-#9	HOOK ALL REBAR
F4040	4'-0"x4'-0"	36	8-#9	8-#9	HOOK ALL REBAR
F100135	10'-0"x13'-6"	144	36-#11 (2 LAYERS)	SEE PLAN	SEE PLAN
F17095	17'-0"x9'-6"	144	34-#11	34-#11	HOOK ALL REBAR
F17595	17'-6"x9'-6"	144	48-#11 (3 LAYERS)	36-#11	HOOK ALL REBAR

STRAP BEAM SCHEDULE

BEAM MARK	WIDTH	DEPTH	REINFORCEMENT		STIRRUPS		REMARKS
			BOTTOM CONTINUOUS	TOP CONTINUOUS	TYPE	SIZE SPACING	
S81	114	144	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN	
S92	162	144	SEE PLAN	SEE PLAN	SEE PLAN	SEE PLAN	



REVISIONS

NO.	DATE	REVISION
1	3.27.15	DOB PAA
2	5.1.14	DOB FLING SET

NO. DATE REVISION

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FOUNDATION PLAN

SEAL & SIGNATURE

DATE: 5.1.14

PROJECT NO.: 1310140

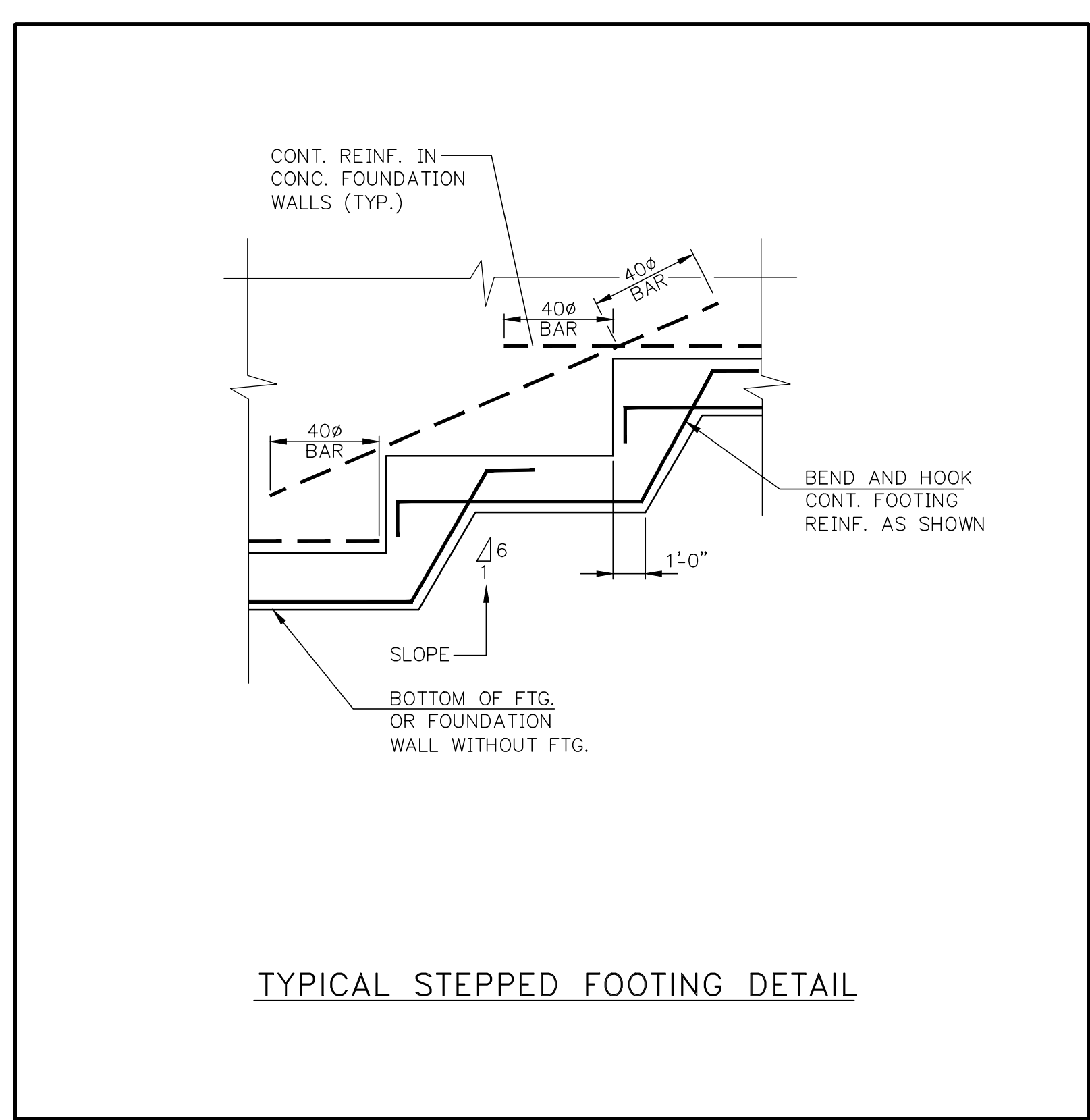
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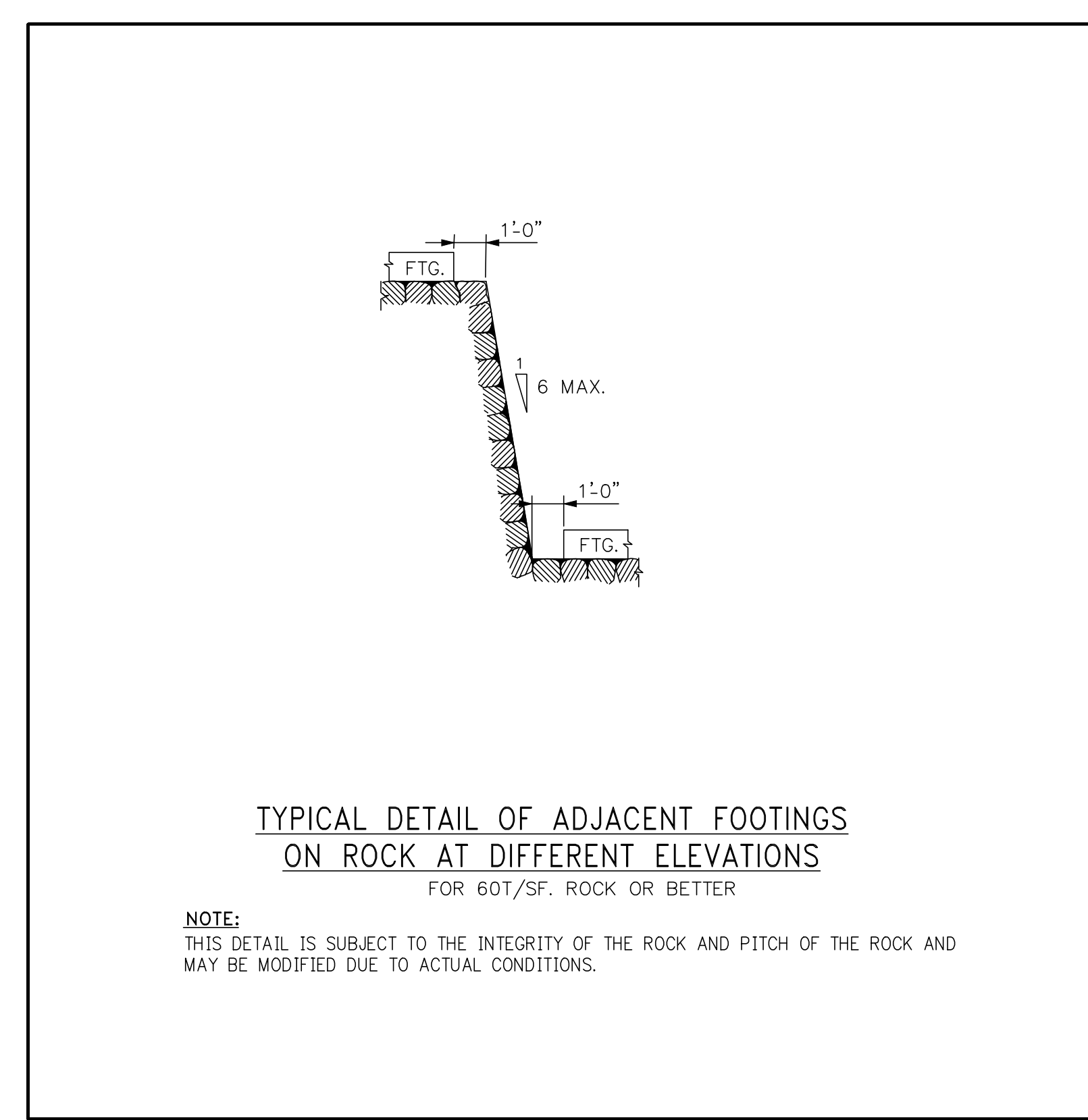
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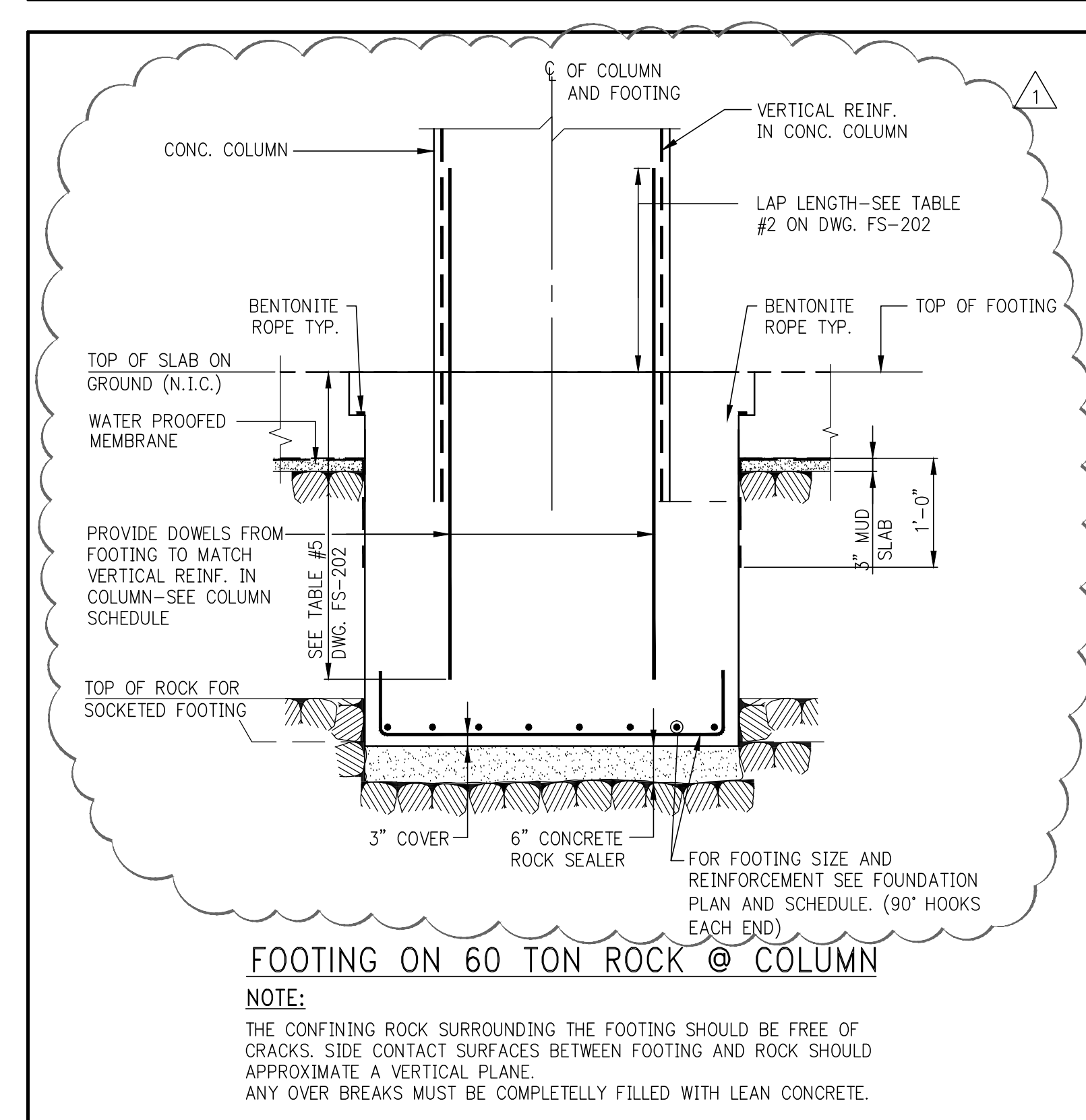


TYPICAL STEPPED FOOTING DETAIL



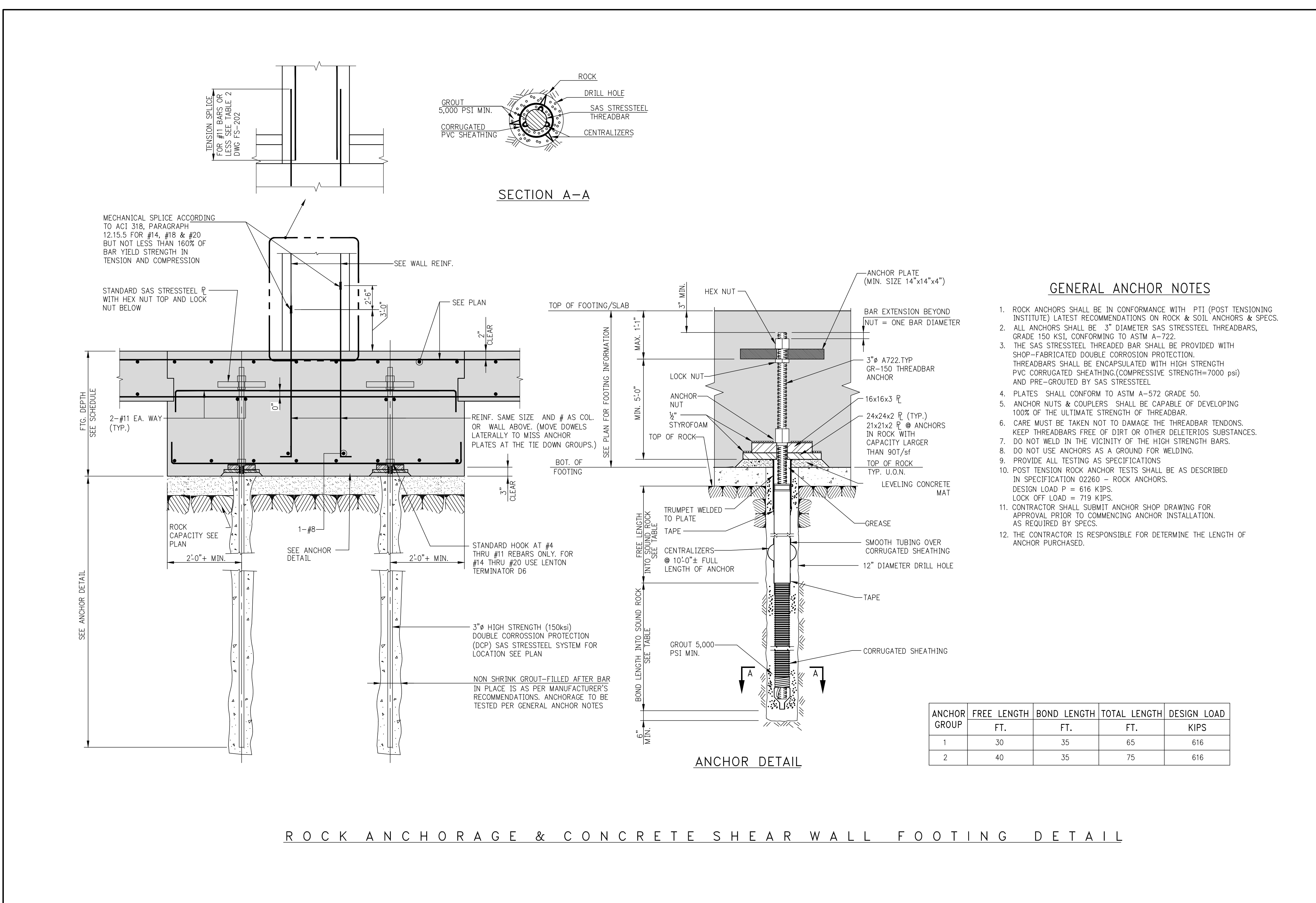
TYPICAL DETAIL OF ADJACENT FOOTINGS ON ROCK AT DIFFERENT ELEVATIONS

NOTE: THIS DETAIL IS SUBJECT TO THE INTEGRITY OF THE ROCK AND PITCH OF THE ROCK AND MAY BE MODIFIED TO ACTUAL CONDITIONS.



FOOTING ON 60 TON ROCK @ COLUMN

NOTE: THE CONFINING ROCK SURROUNDING THE FOOTING SHOULD BE FREE OF CRACKS. SIDE CONTACT SURFACES BETWEEN FOOTING AND ROCK SHOULD APPROXIMATE A VERTICAL PLANE. ANY OVER BREAKS MUST BE COMPLETELY FILLED WITH LEAN CONCRETE.

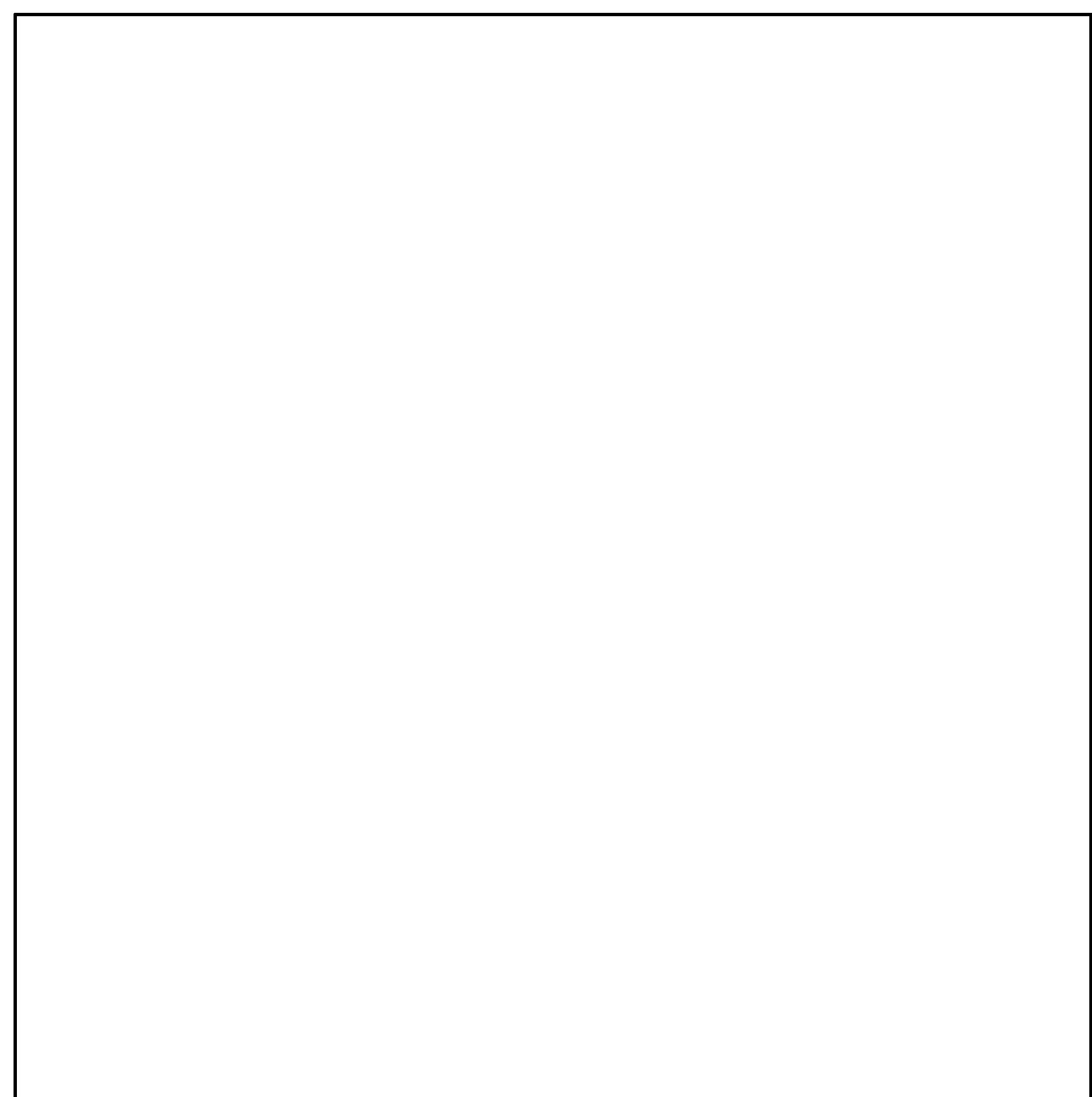


GENERAL ANCHOR NOTES

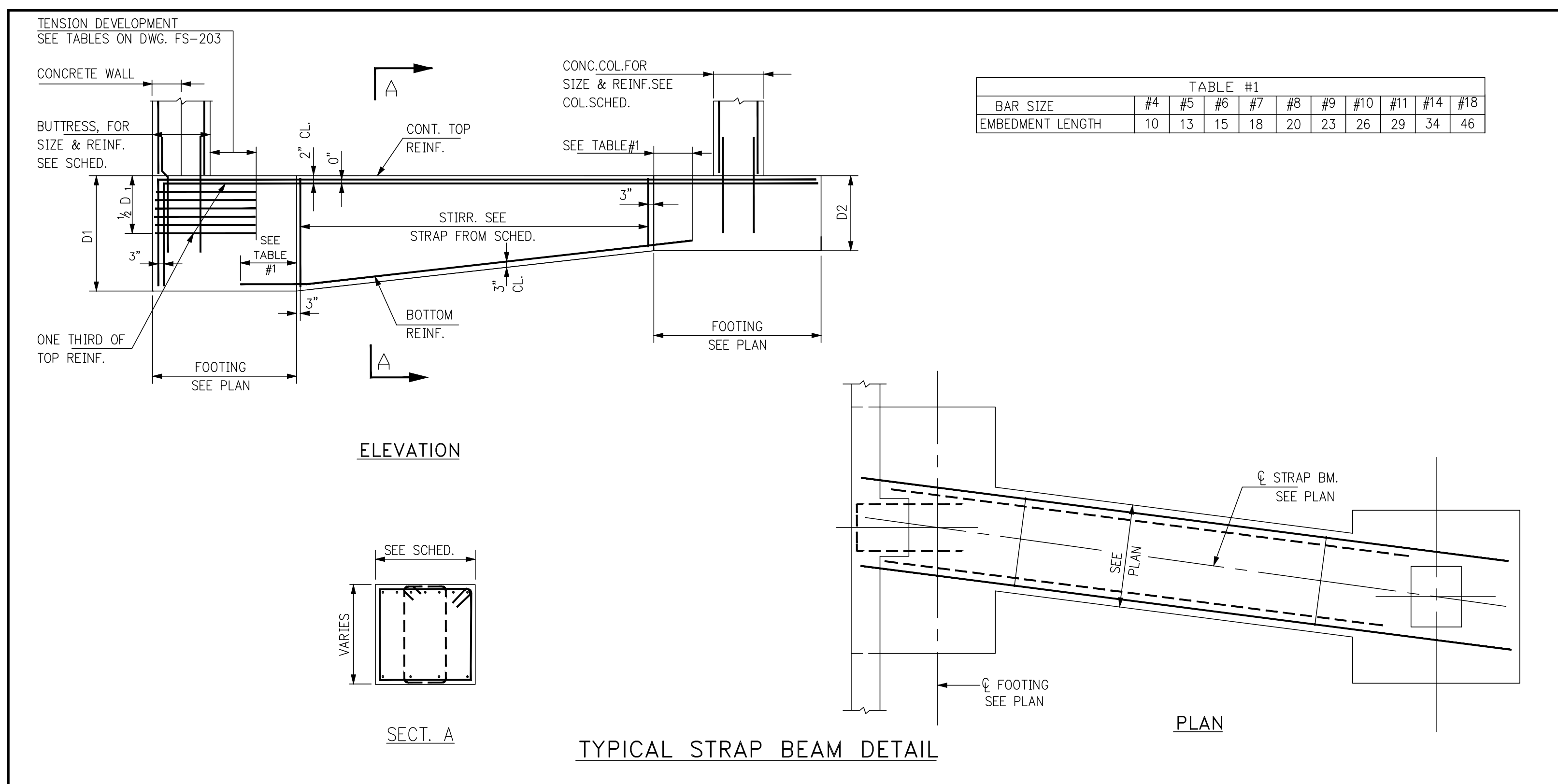
- ROCK ANCHORS SHALL BE IN CONFORMANCE WITH PTI (POST TENSIONING INSTITUTE) LATEST RECOMMENDATIONS ON ROCK & SOIL ANCHORS & SPECS.
- ALL ANCHORS SHALL BE 3" DIAMETER SAS STRESSTEEL THREADBARS, GRADE 150 KSI, CONFORMING TO ASTM A-722.
- THE SAS STRESSTEEL THREADED BAR SHALL BE PROVIDED WITH SHOP-FABRICATED DOUBLE CORROSION PROTECTION. THREADBARS SHALL BE ENCAPSULATED WITH HIGH STRENGTH PVC CORRUGATED SHEATHING (COMPRESSIVE STRENGTH=7000 PSI) AND PRE-CURED BY SAS STRESSTEEL.
- PLATES SHALL CONFORM TO ASTM A-572 GRADE 50.
- ANCHOR NUTS & COUPLERS SHALL BE CAPABLE OF DEVELOPING 100% OF THE ULTIMATE STRENGTH OF THREADBAR.
- CARE MUST BE TAKEN NOT TO DAMAGE THE THREADBAR TENDONS. KEEP THREADBARS FREE OF OIL OR OTHER DELETERIOUS SUBSTANCES.
- DO NOT WELD IN THE VICINITY OF THE HIGH STRENGTH BARS.
- DO NOT USE ANCHORS AS A GROUND FOR WELDING.
- PROVIDE ALL TESTING AS SPECIFICATIONS.
- POST TENSION ROCK ANCHOR TESTS SHALL BE AS DESCRIBED IN SPECIFICATION 02260 - ROCK ANCHORS. DESIGN LOAD P = 616 KIPS.
- CONTRACTOR SHALL SUBMIT ANCHOR SHOP DRAWING FOR APPROVAL PRIOR TO COMMENCING ANCHOR INSTALLATION, AS REQUIRED BY SPECS.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LENGTH OF ANCHOR PURCHASED.

ANCHOR GROUP	FREE LENGTH FT.	BOND LENGTH FT.	TOTAL LENGTH FT.	DESIGN LOAD KIPS
1	30	35	65	616
2	40	35	75	616

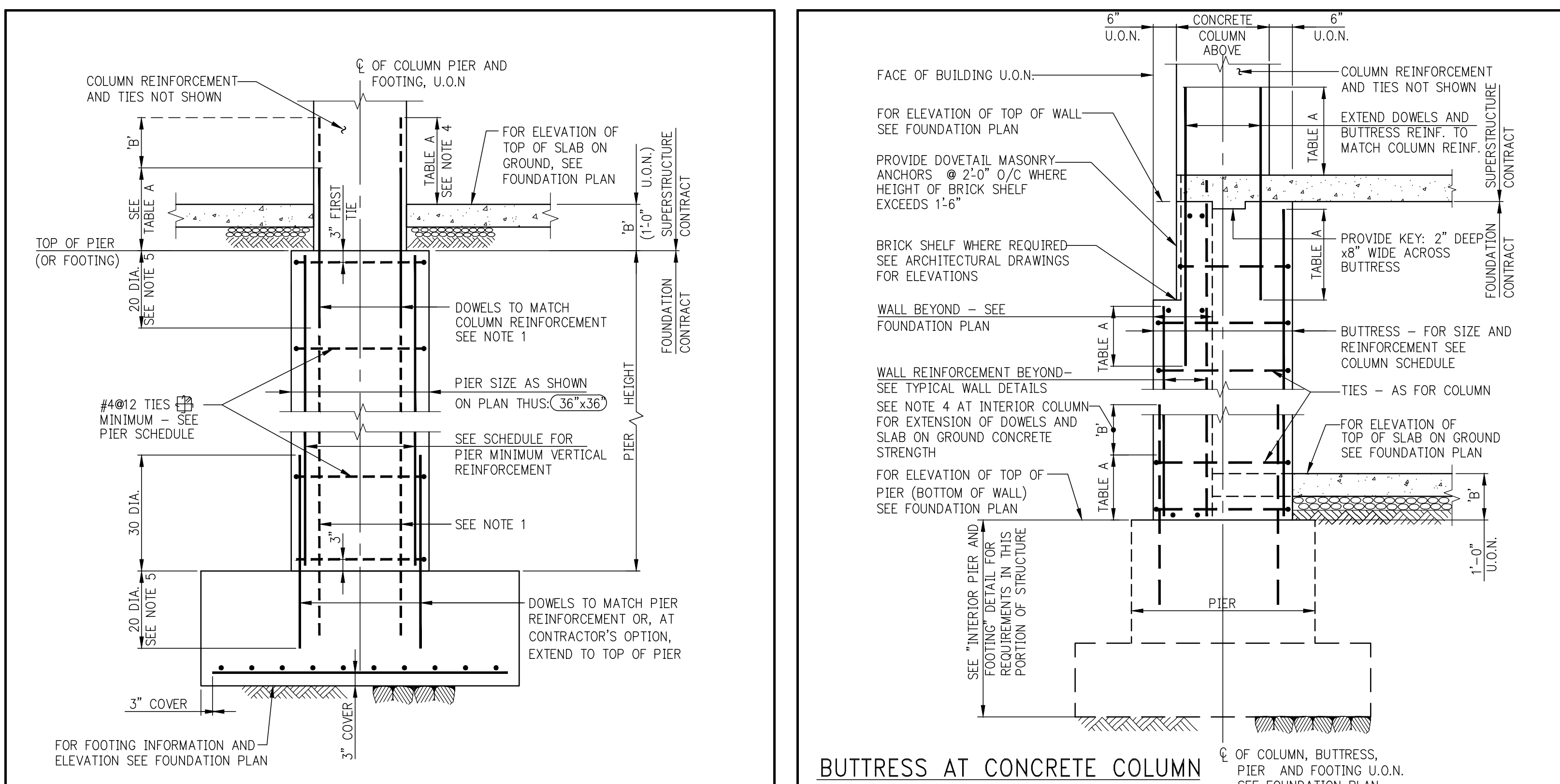
ROCK ANCHORAGE & CONCRETE SHEAR WALL FOOTING DETAIL



TYPICAL STRAP BEAM DETAIL



BUTTRESS AT CONCRETE COLUMN



INTERIOR FOOTING AND PIER AT CONCRETE COLUMN

- NOTES:**
- WHERE PIER HEIGHT IS LESS THAN EMBEDMENT LENGTH OF COLUMN DOWELS, EMBED DOWELS IN FOOTING AND EXTEND THROUGH PIER INTO COLUMN ABOVE.
 - AT CONTRACTOR'S OPTION, A SHORT PIER MAY BE ELIMINATED BY THICKENING THE COLUMN FOOTING TO THE TOP OF PIER ELEVATION.
 - MAXIMUM PIER HEIGHT TO BE EIGHT TIMES THE LEAST PIER DIMENSION. INCREASE PIER SIZE AS REQUIRED TO MAINTAIN THIS RATIO.
 - WHEN SLAB ON GROUND IS POURED BEFORE COLUMN, INCREASE LENGTH OF DOWELS BY DIMENSION 'Y' (FROM TOP OF PIER TO TOP OF SLAB). IN ADDITION, IF COLUMN CONCRETE STRENGTH IS GREATER THAN 1.4 TIMES SLAB CONCRETE STRENGTH, THE SLAB CONCRETE STRENGTH MUST BE INCREASED LOCALLY TO MATCH COLUMN CONCRETE STRENGTH FOR A DISTANCE OF 2 FEET IN ALL DIRECTIONS FROM COLUMN FACES.
 - IF GRADE 75 COLUMN REINFORCEMENT IS USED, INCREASE DOWEL EMBEDMENT LENGTH TO 24 DIAMETERS.
 - MINIMUM CONCRETE STRENGTH OF $f_c=7,000$ PSI IS REQUIRED FOR PIER AND FOOTING. SEE PLANS AND NOTES FOR GREATER STRENGTH REQUIREMENTS.

TABLE A
COMPRESSION LAP SPlice LENGTH

BAR SIZE	$f_y=60$ KSI	$f_y=75$ KSI
#6 TO #11	30 DIA	44 DIA
#14 & #16	45" - #11 DOWELS	60" - #11 DOWELS

PIER: MINIMUM VERTICAL REINFORCEMENT

PIER SIZE (OR EQUIVALENT)	VERTICAL REIN.
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 84 TO BE SUPPLIED IN PIER SCHEDULE.

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

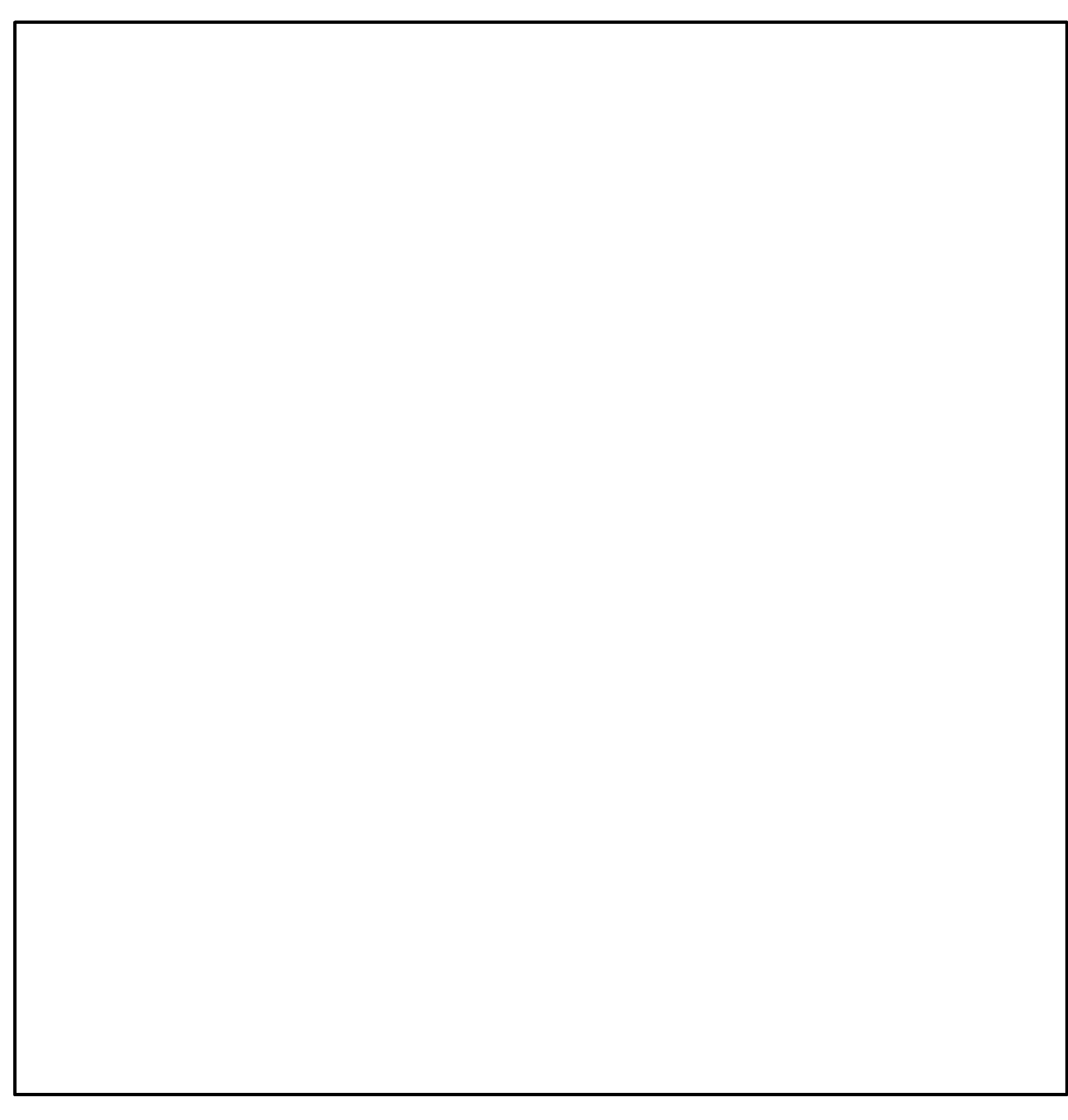
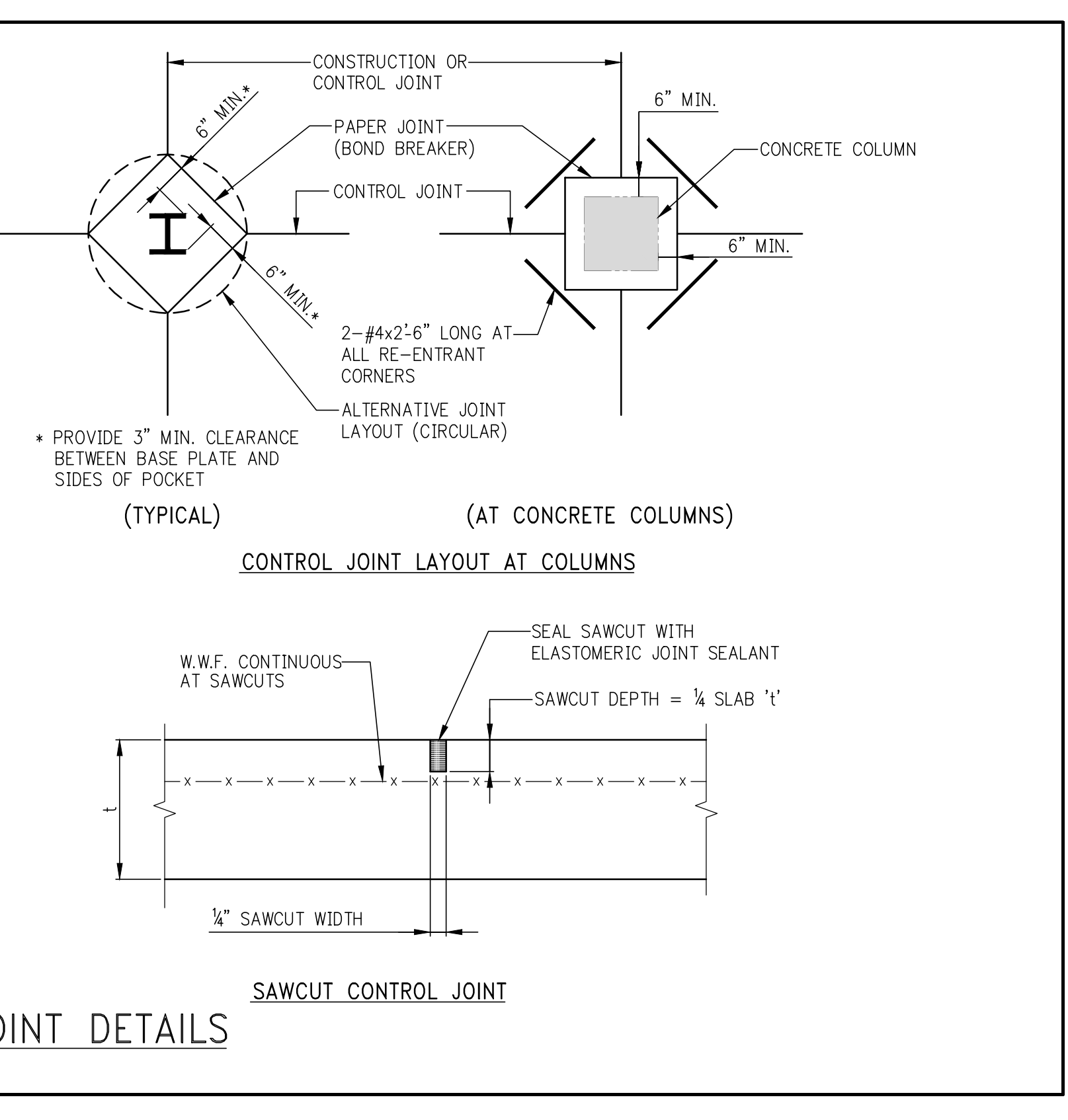
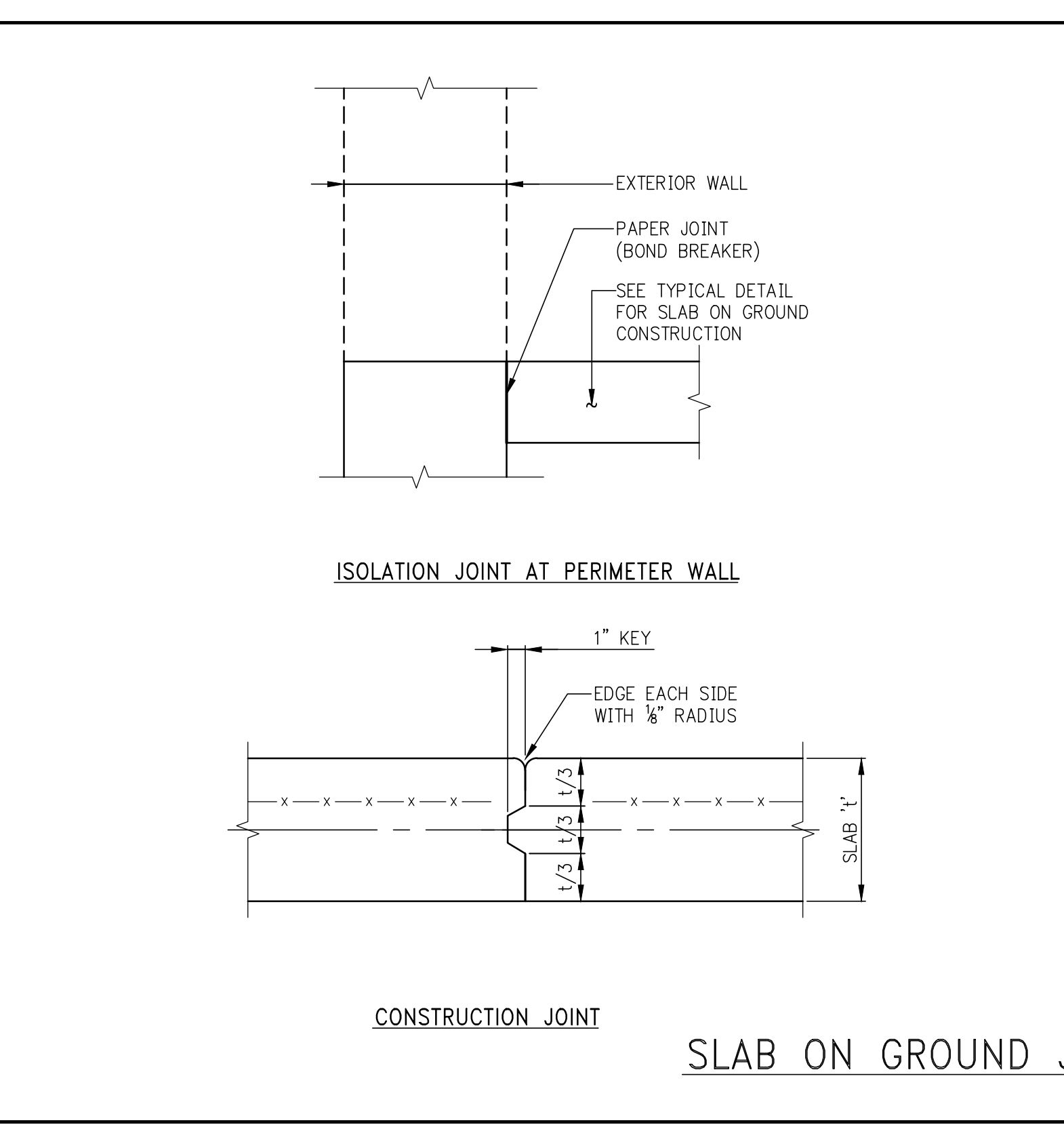
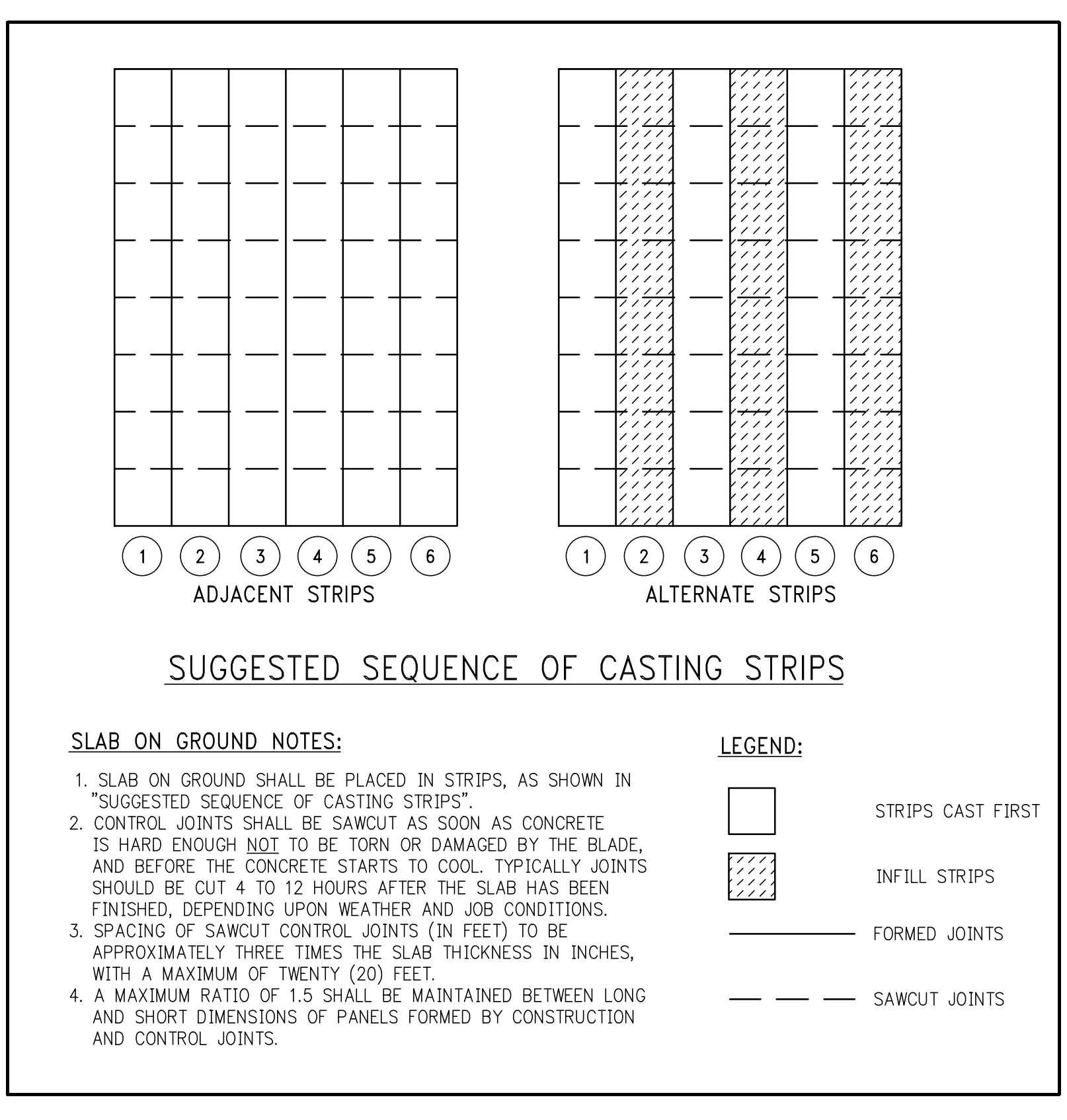
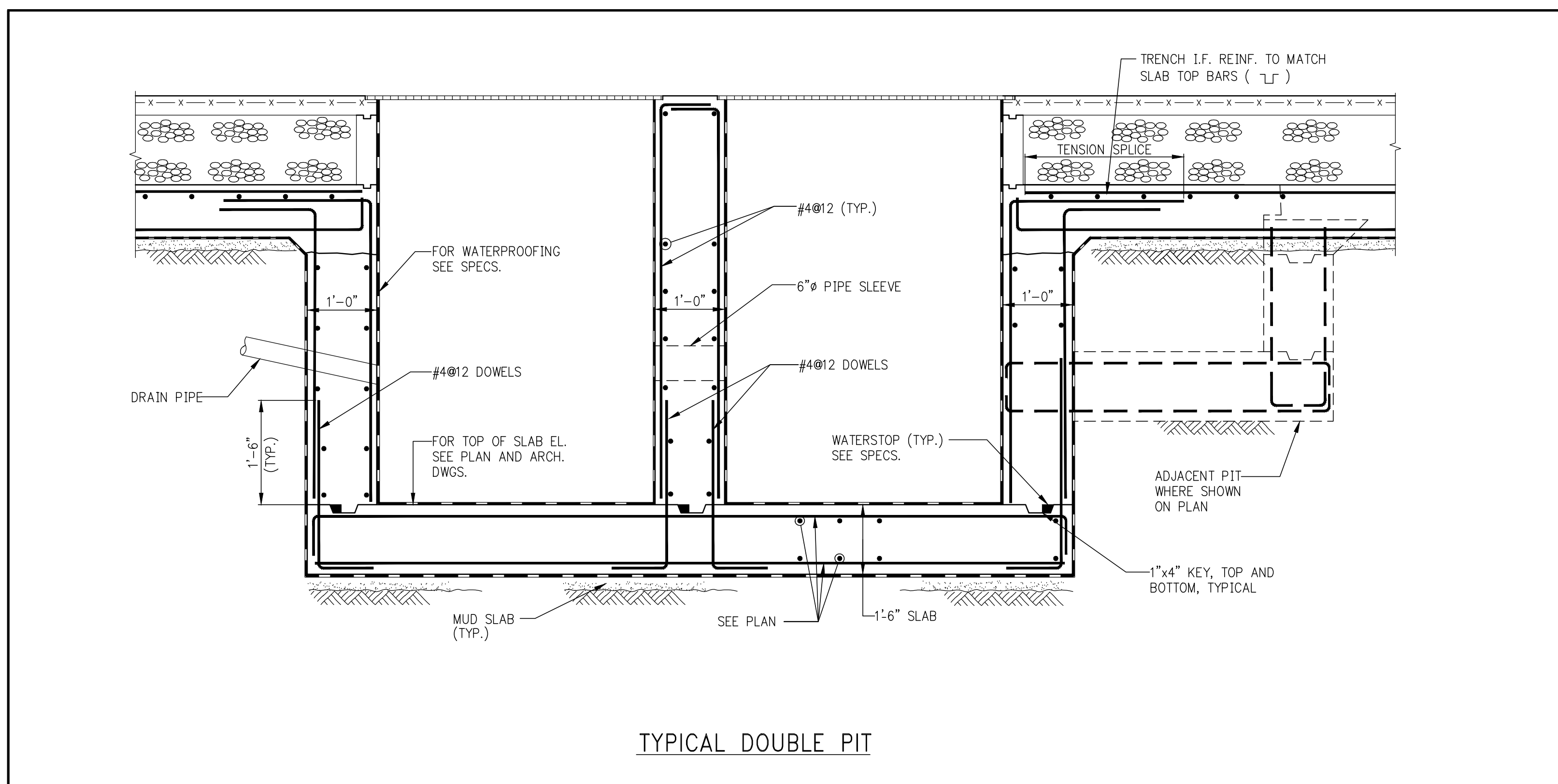
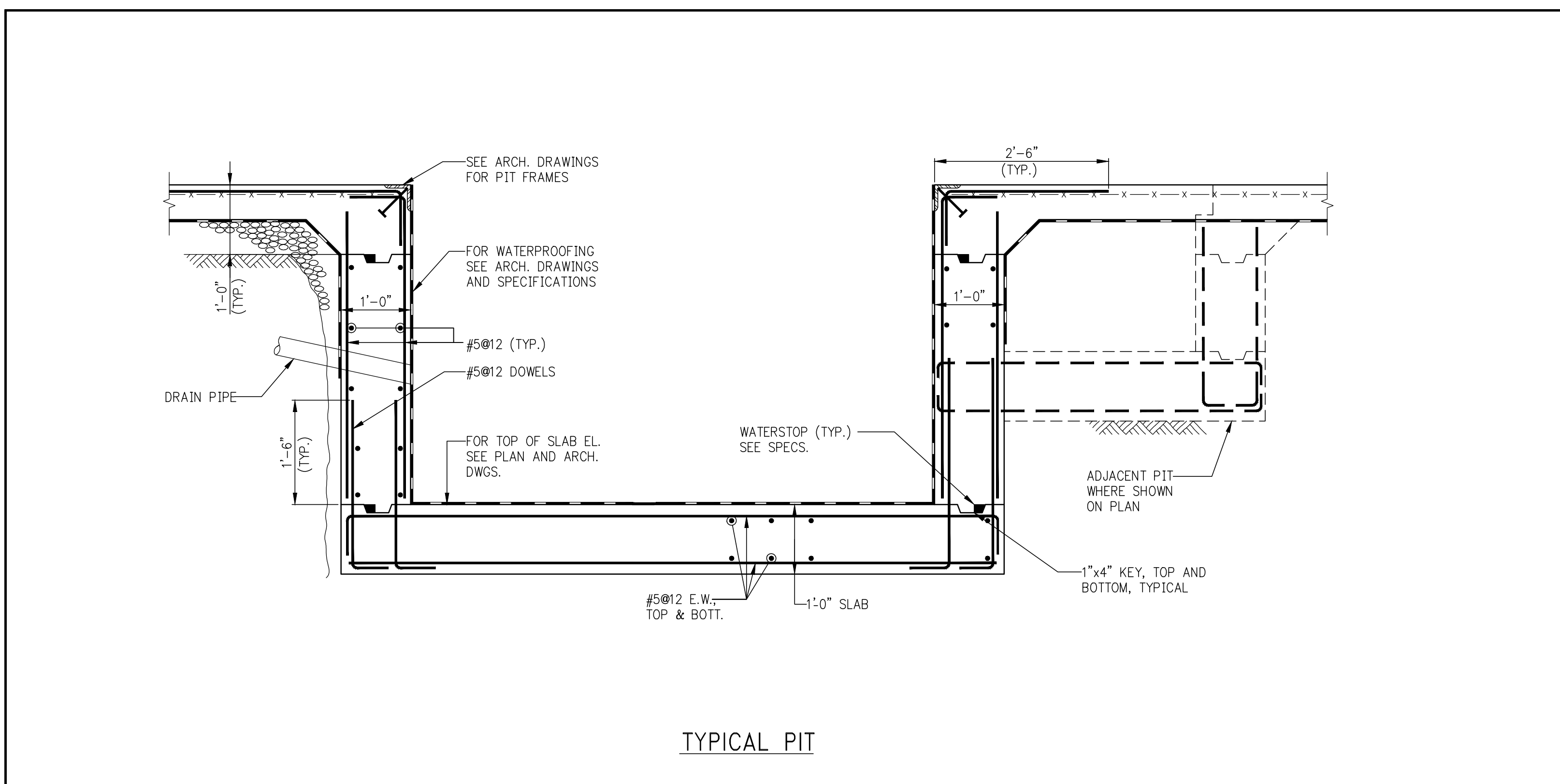
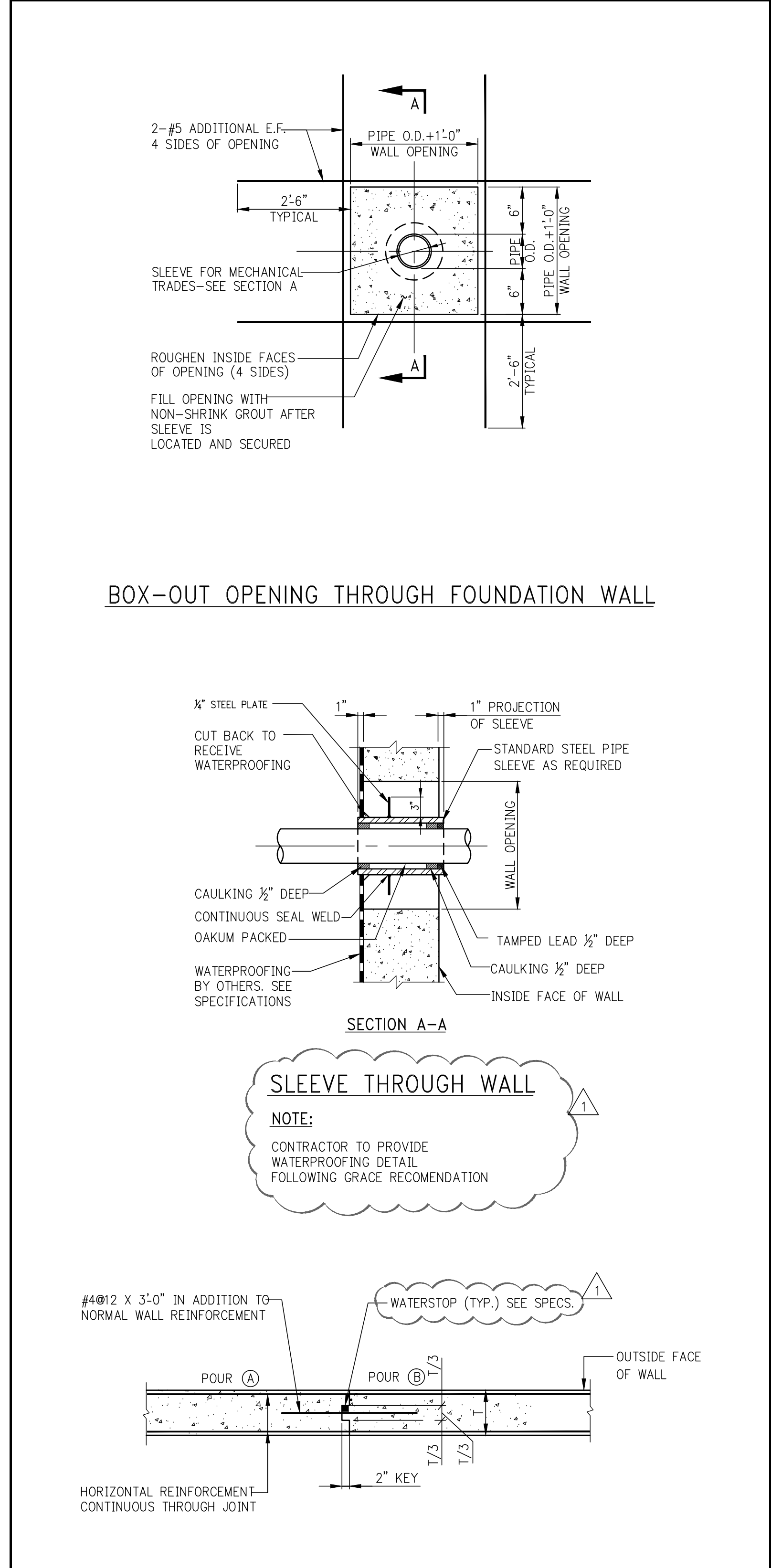
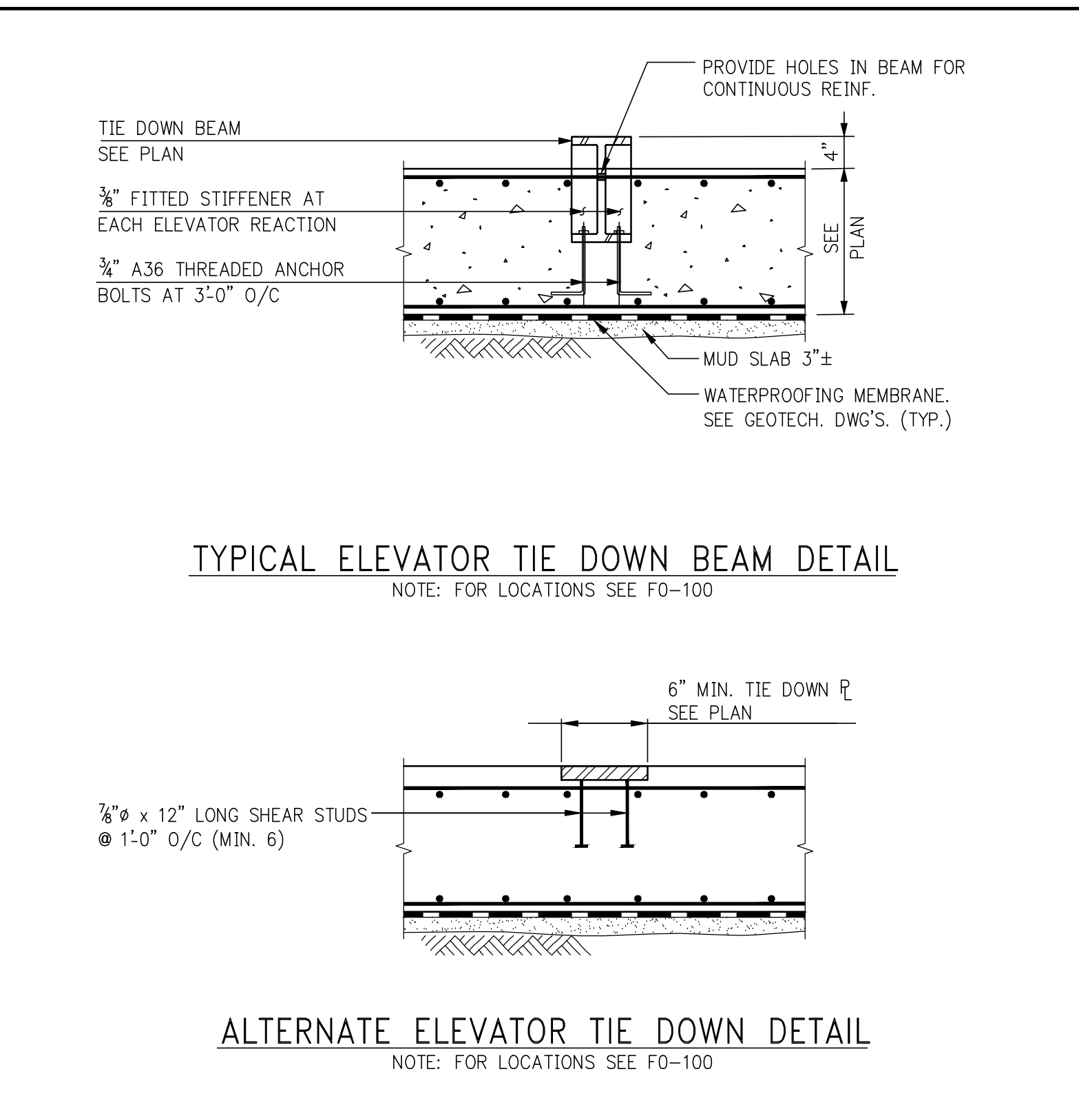
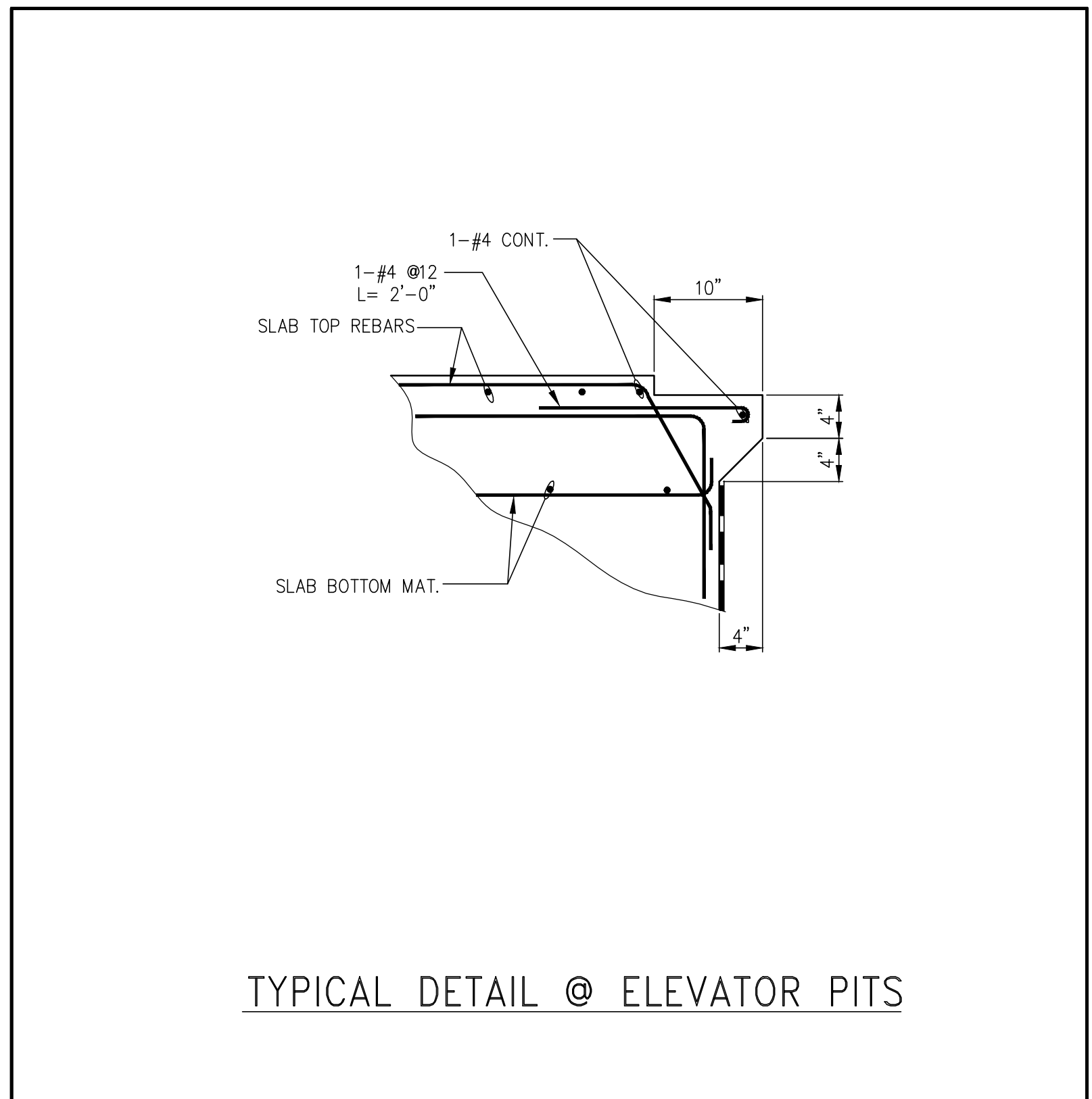
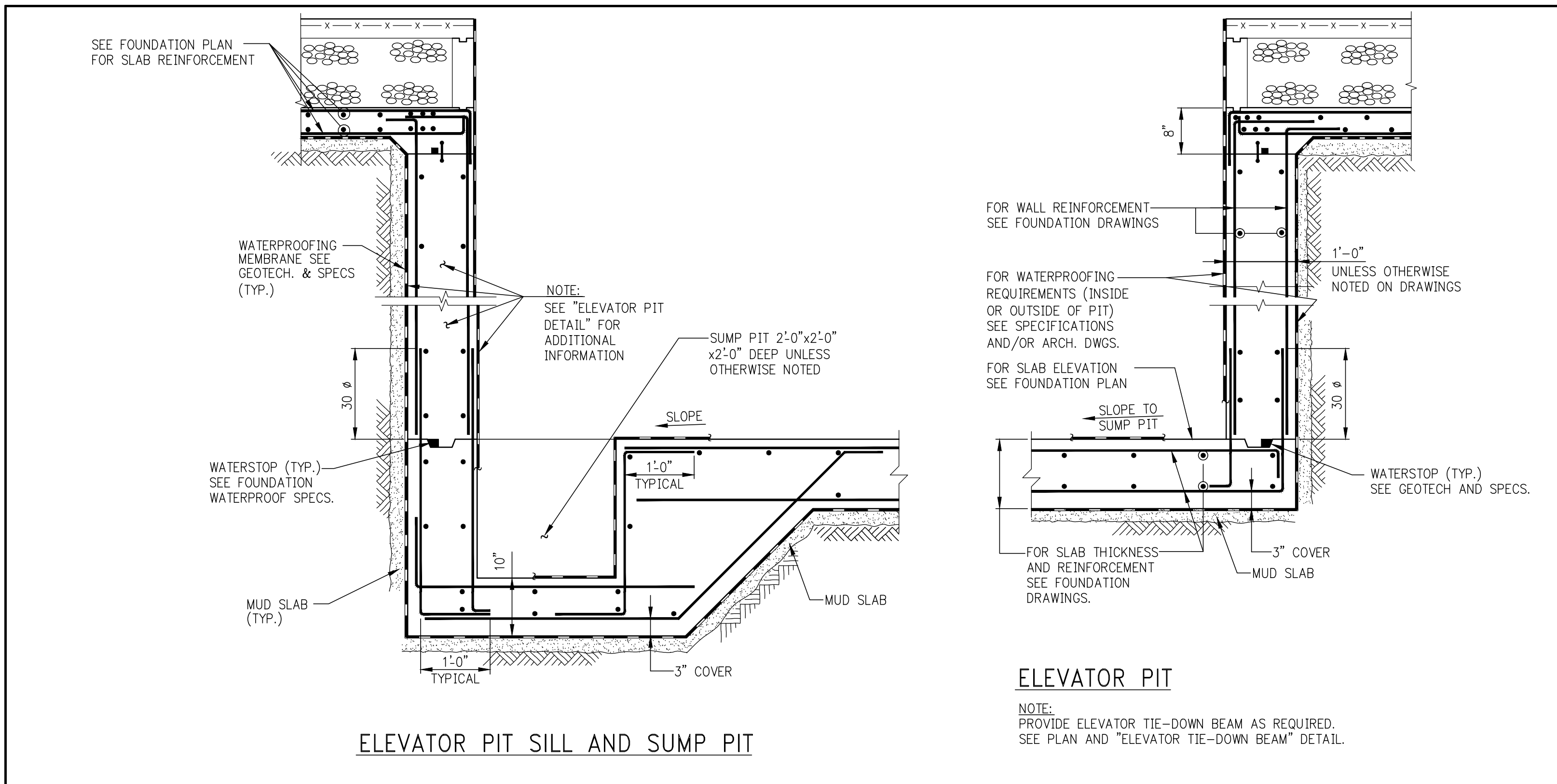
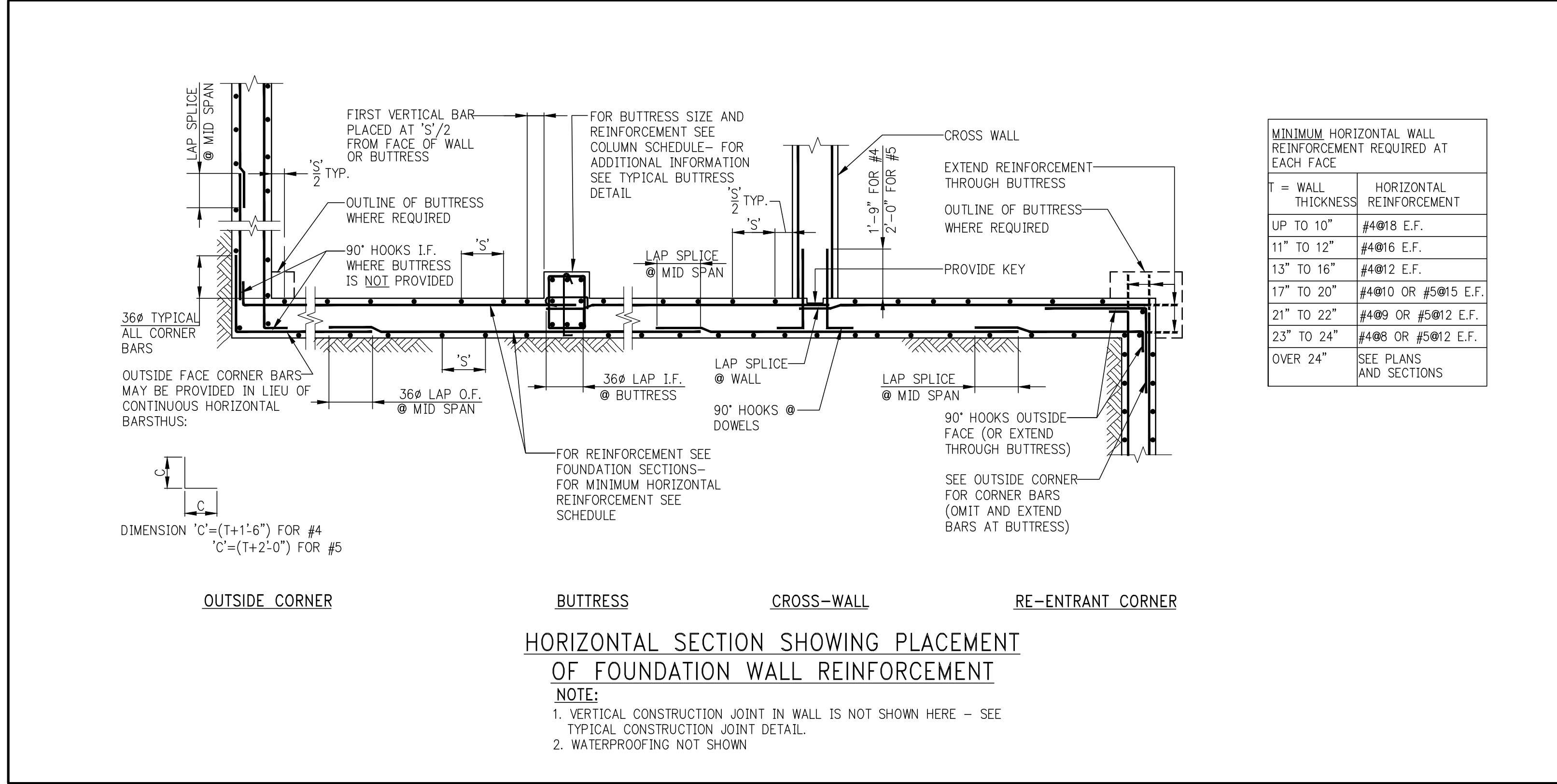
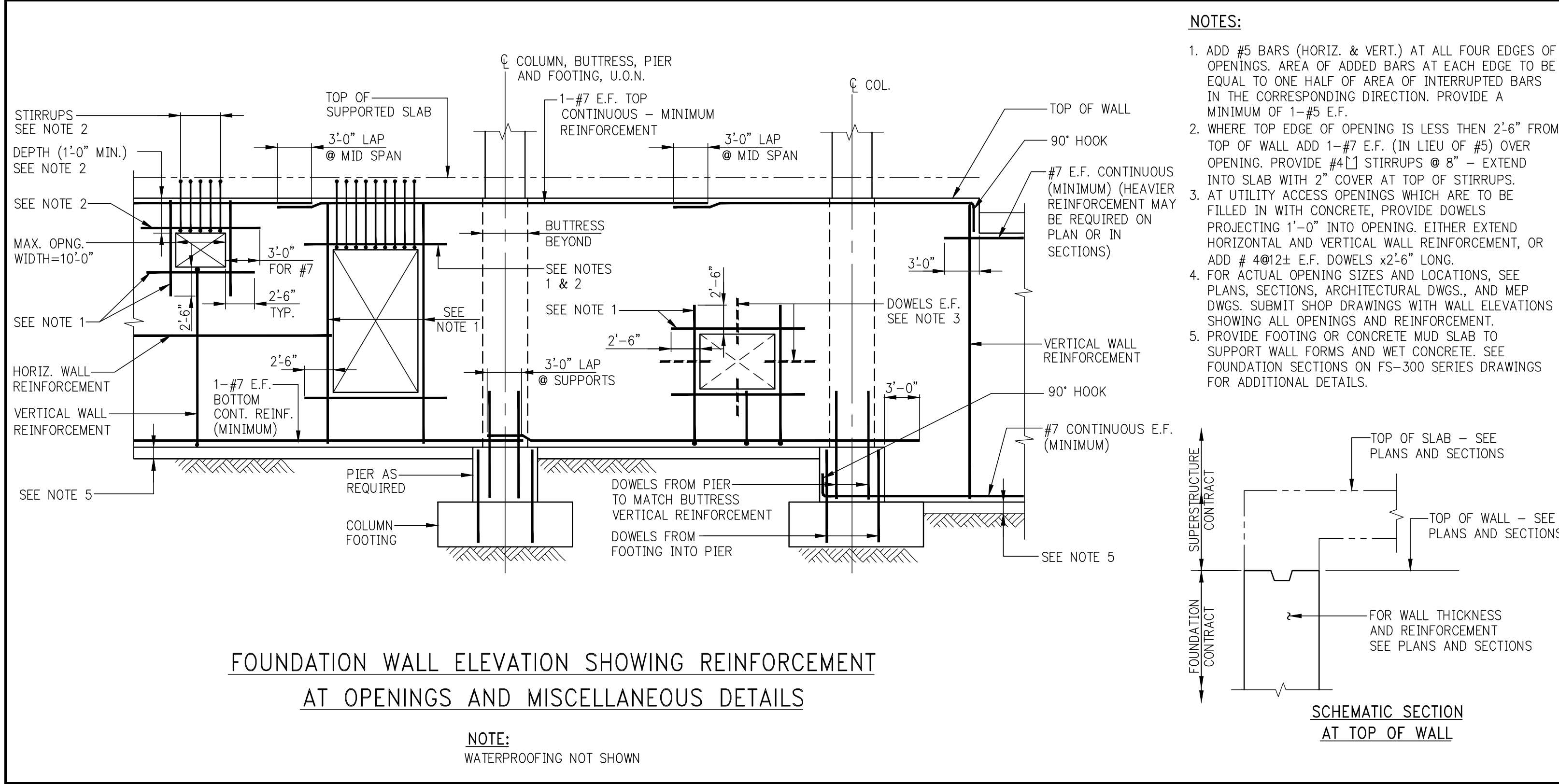
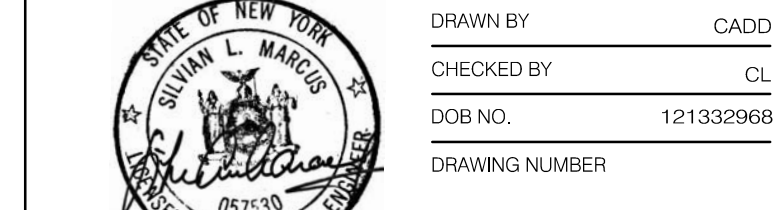


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FOUNDATION TYPICAL DETAILS 2

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PROJECT NO. 1310140
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DOB NO. 121330968
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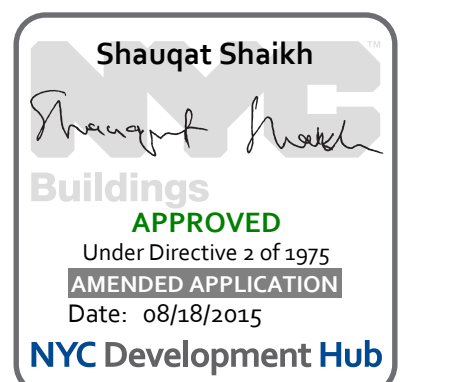
LIGHTING
CORPORATION INTERNATIONAL
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PROPERTY MARKETS GROUP
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CURRENT ISSUE

DOB PAA



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2	5/1/15	DOOR/PA/REV

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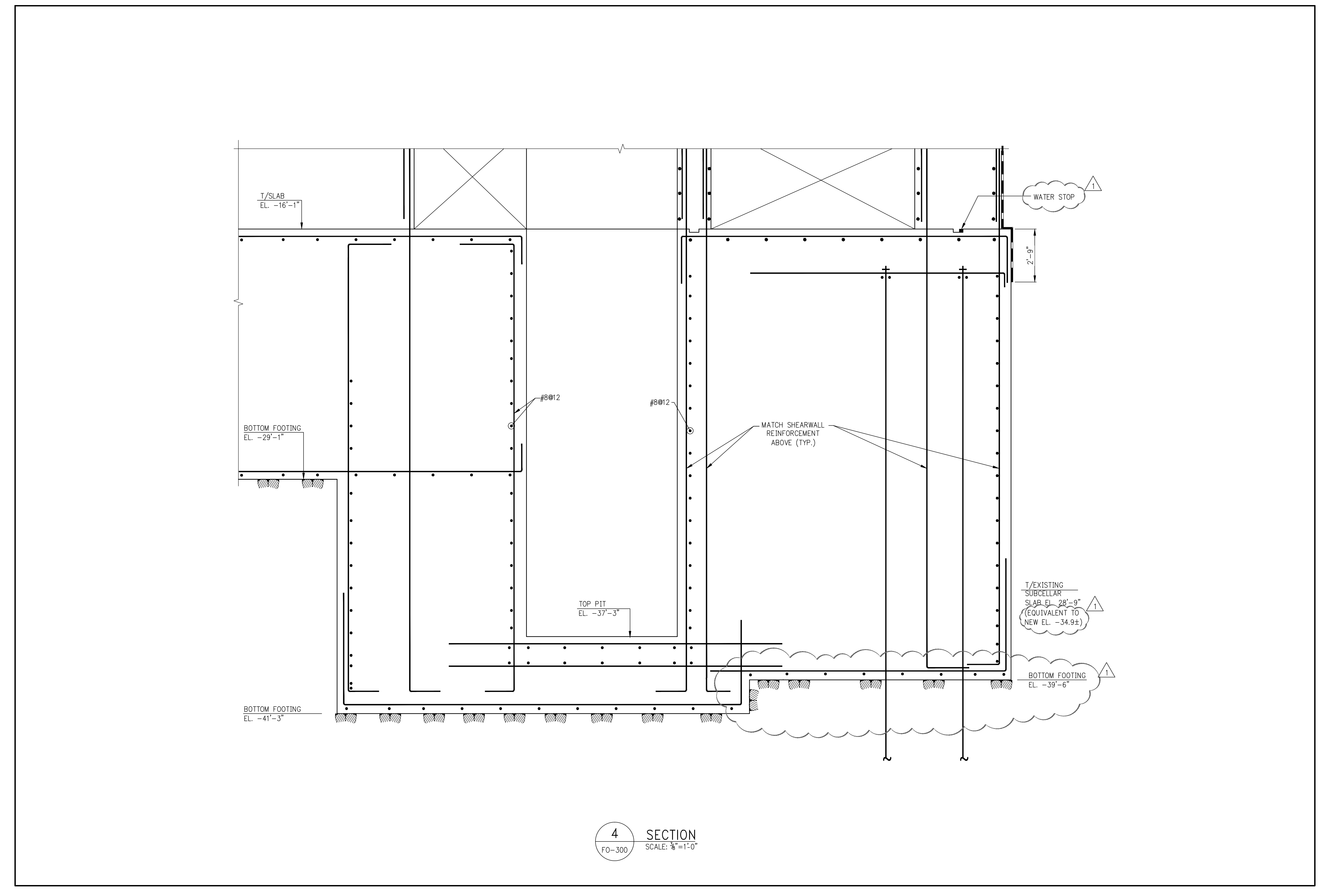
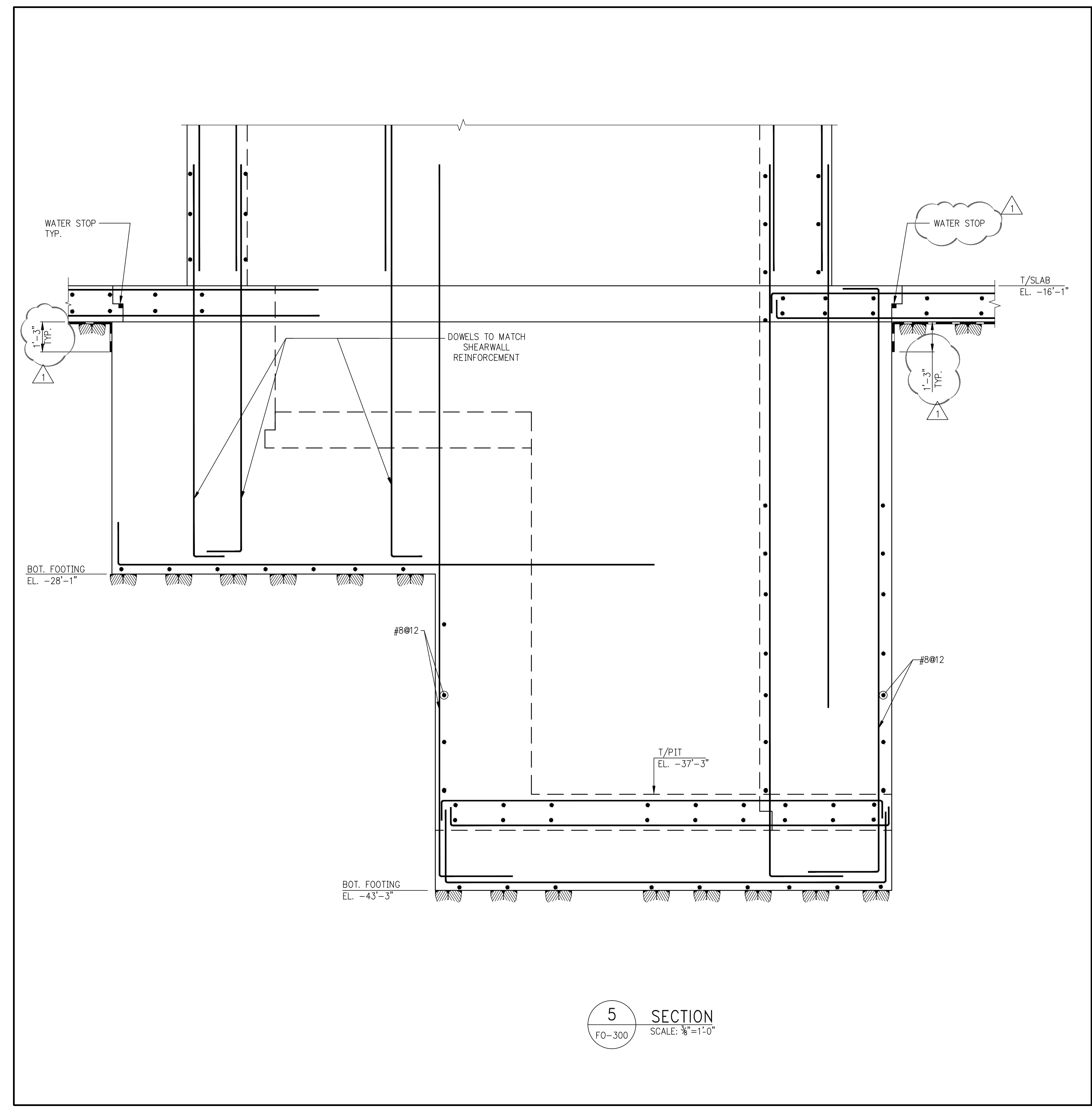
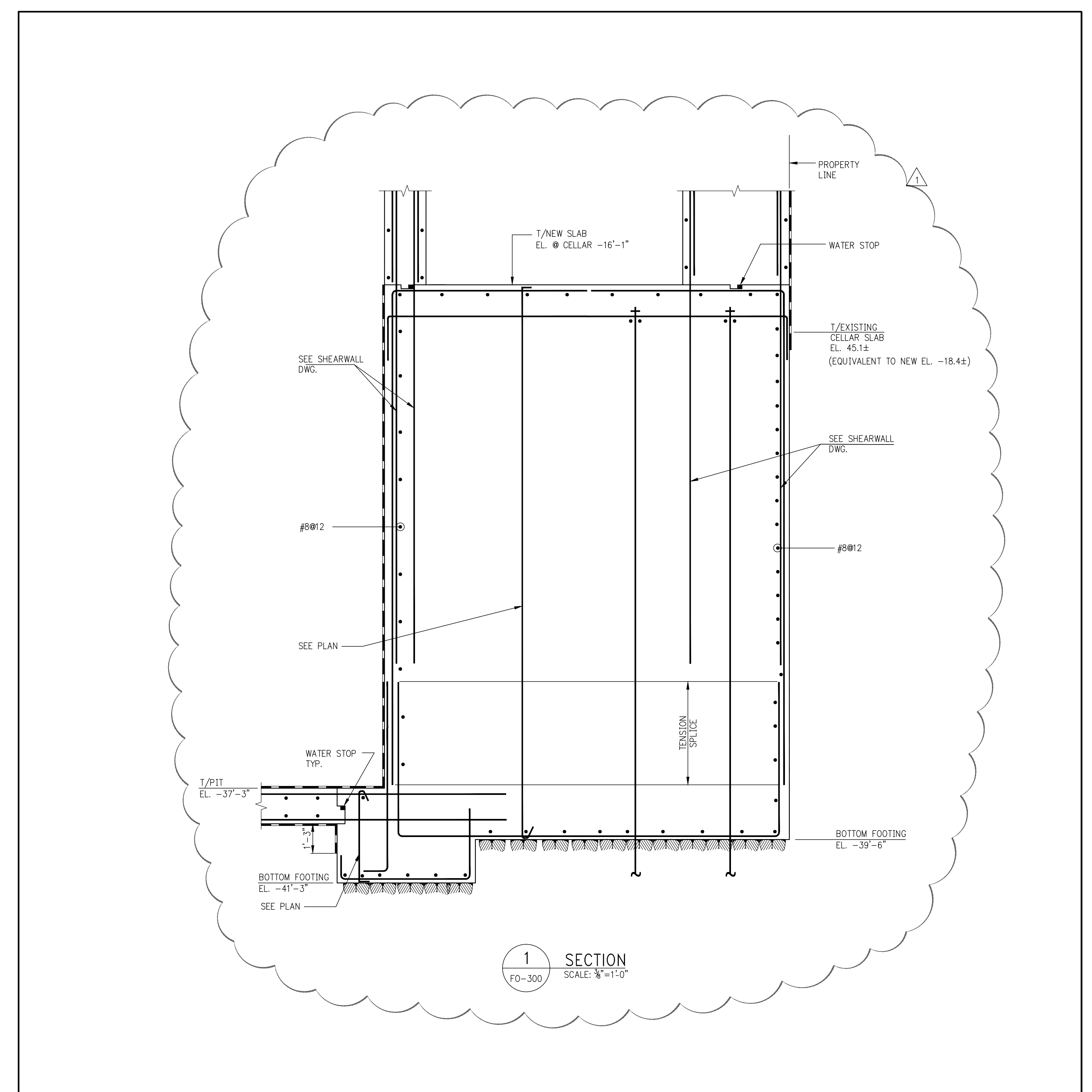
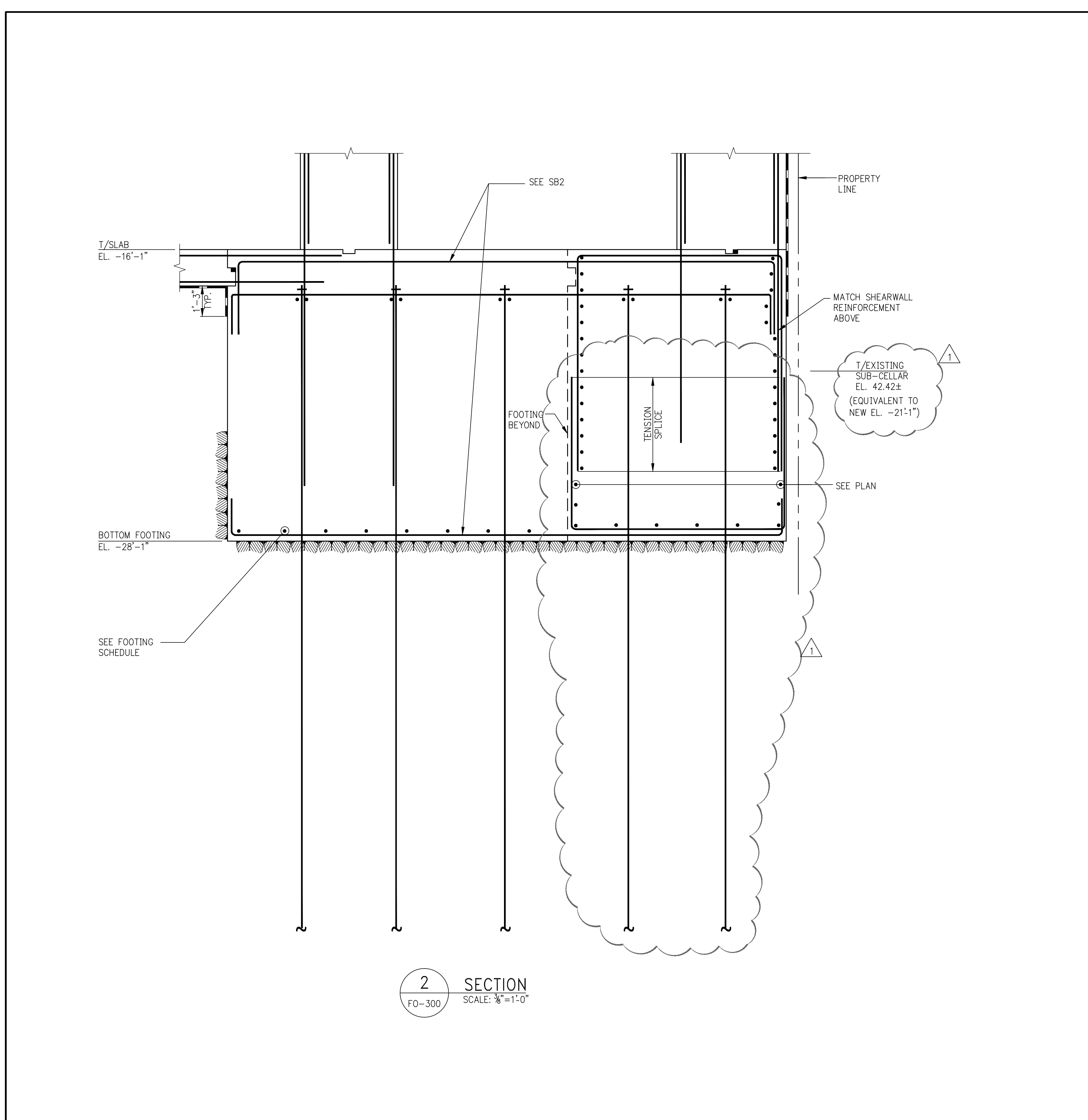
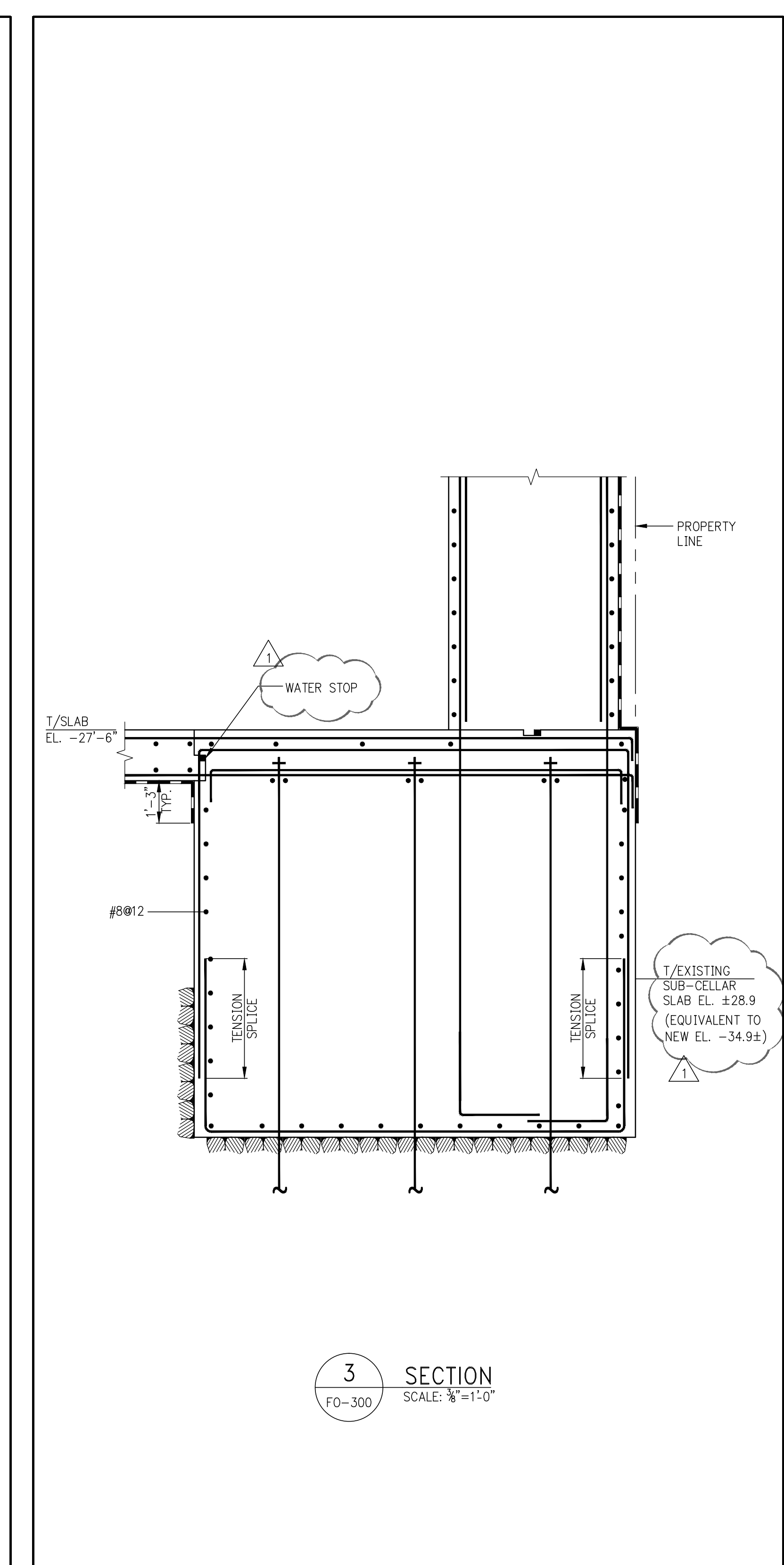
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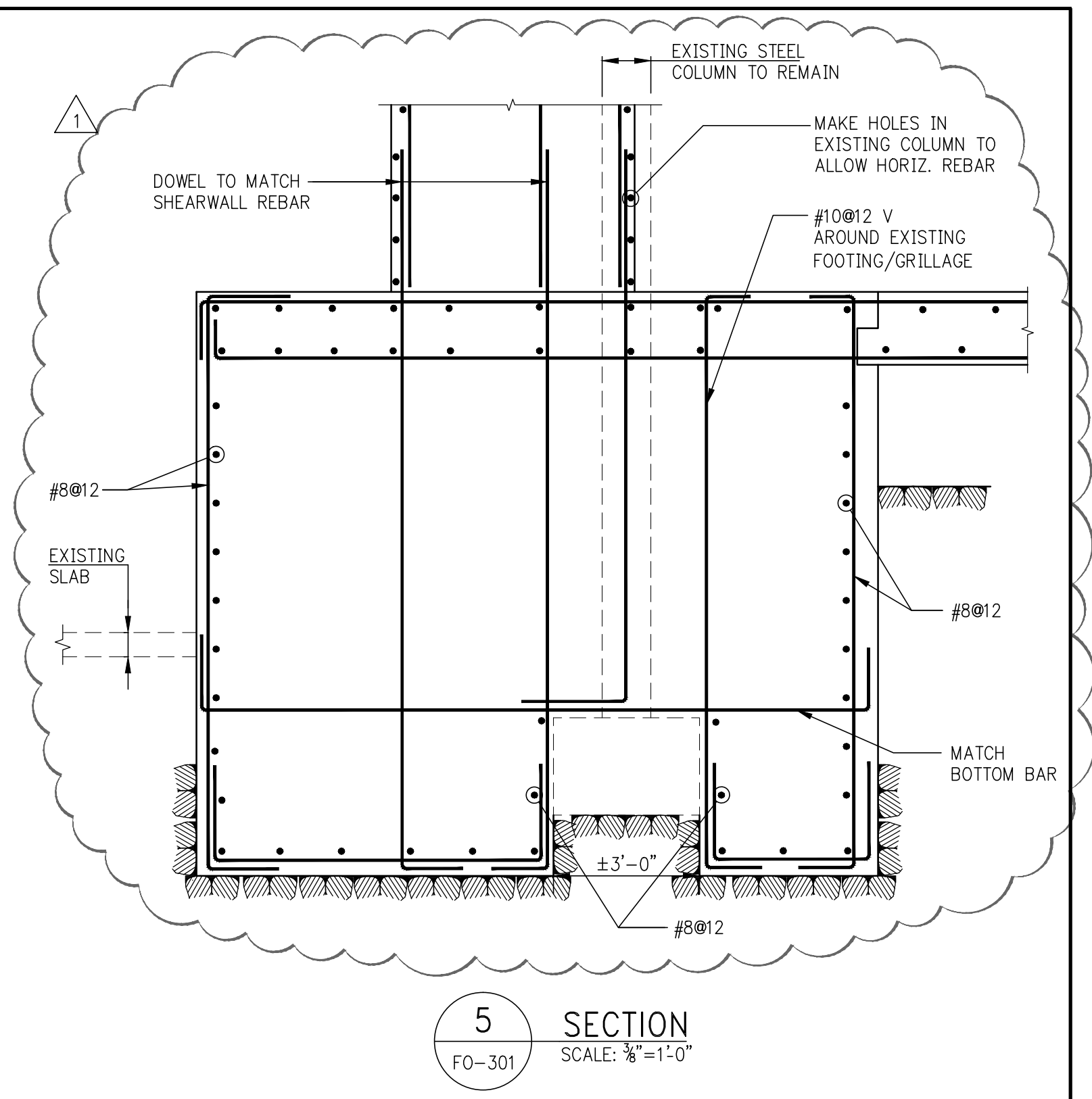
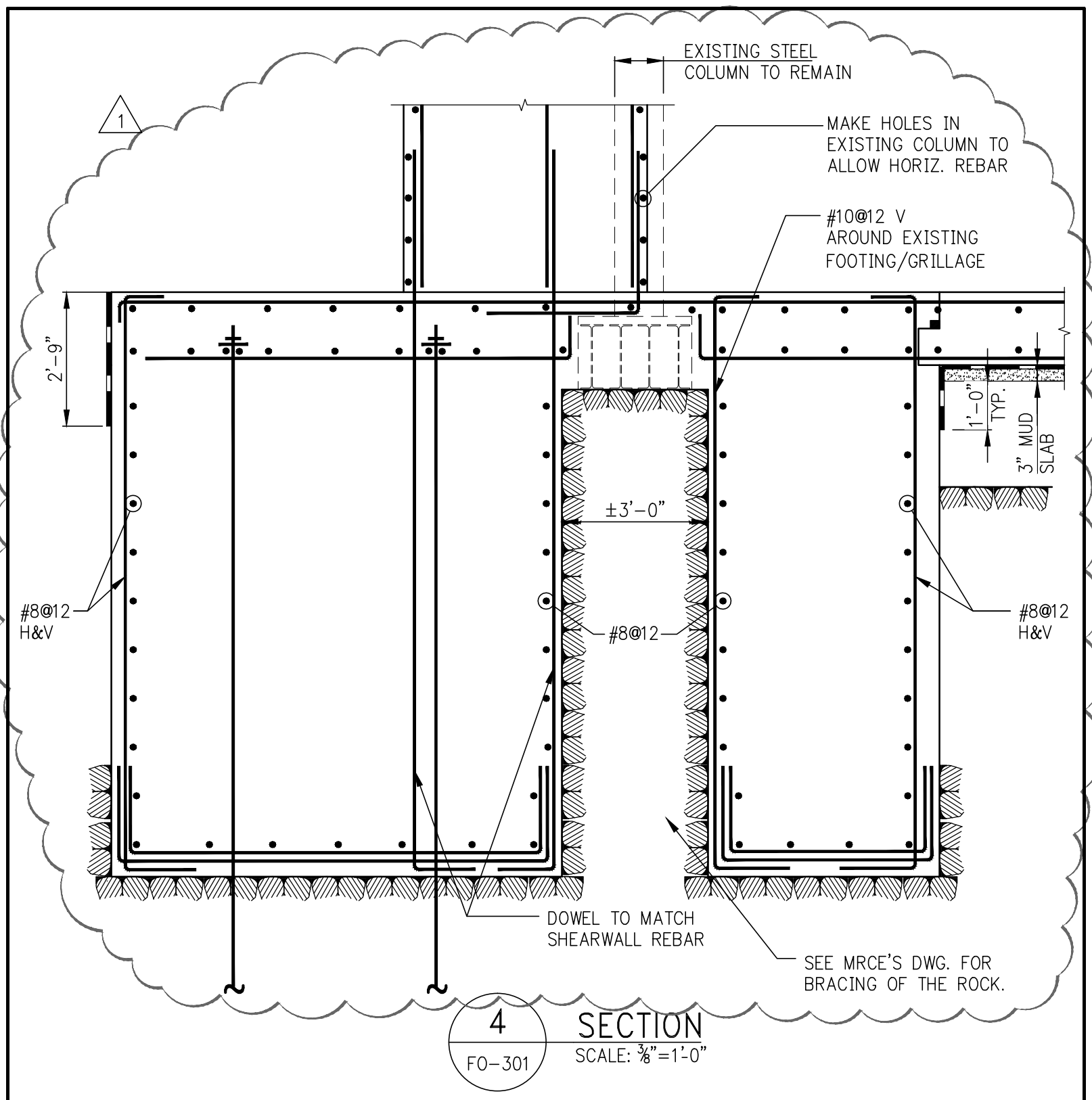
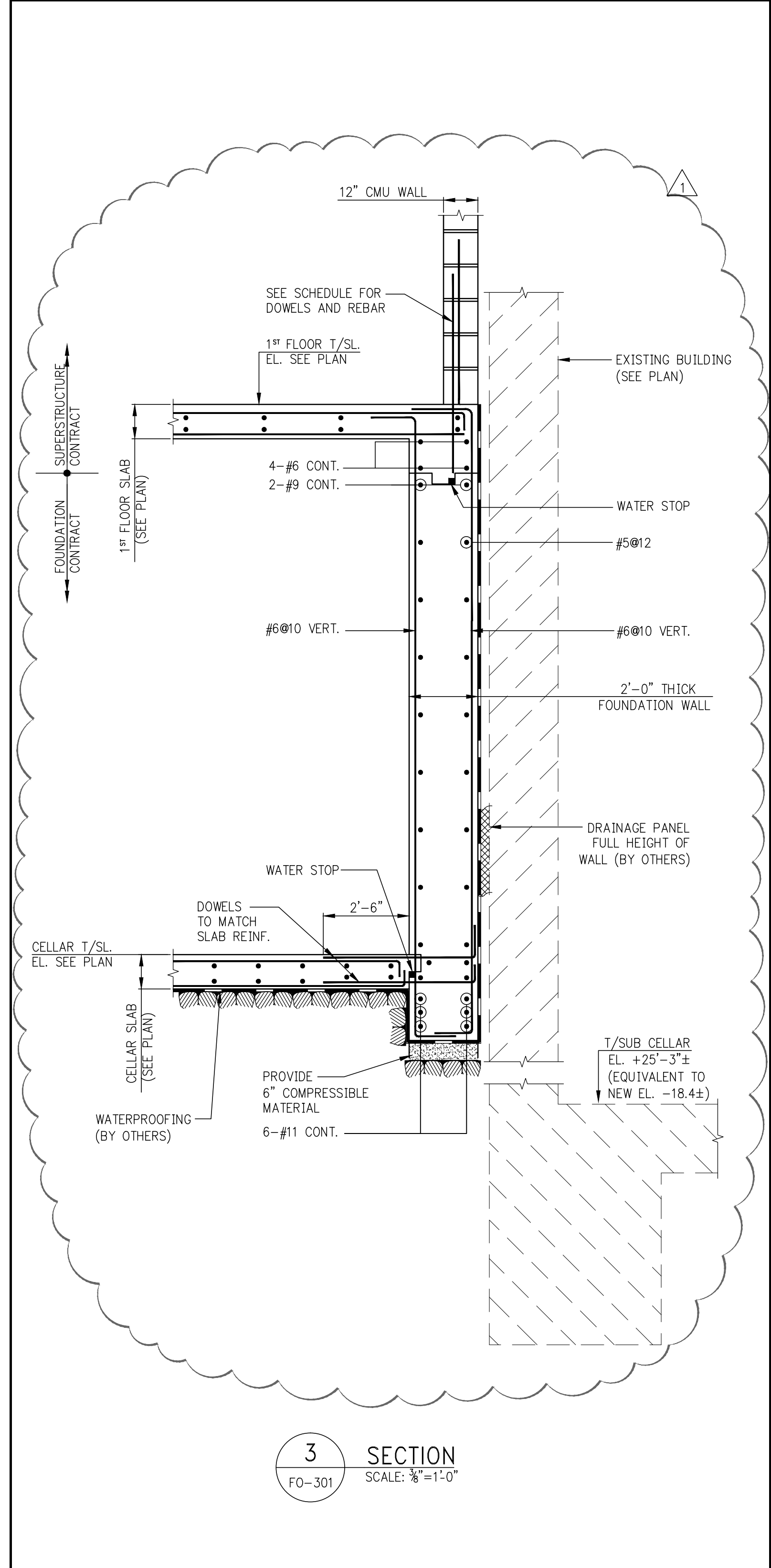
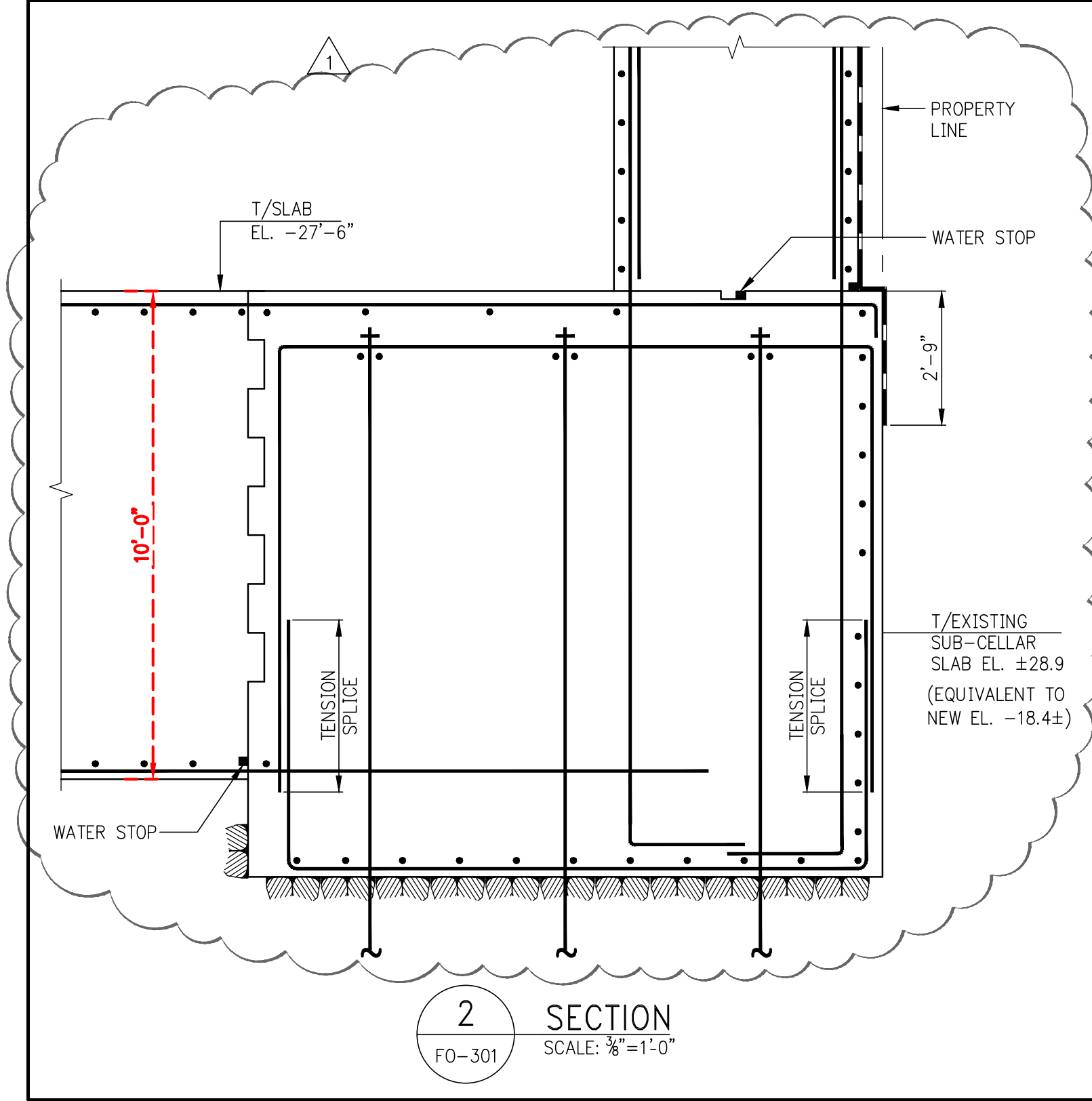
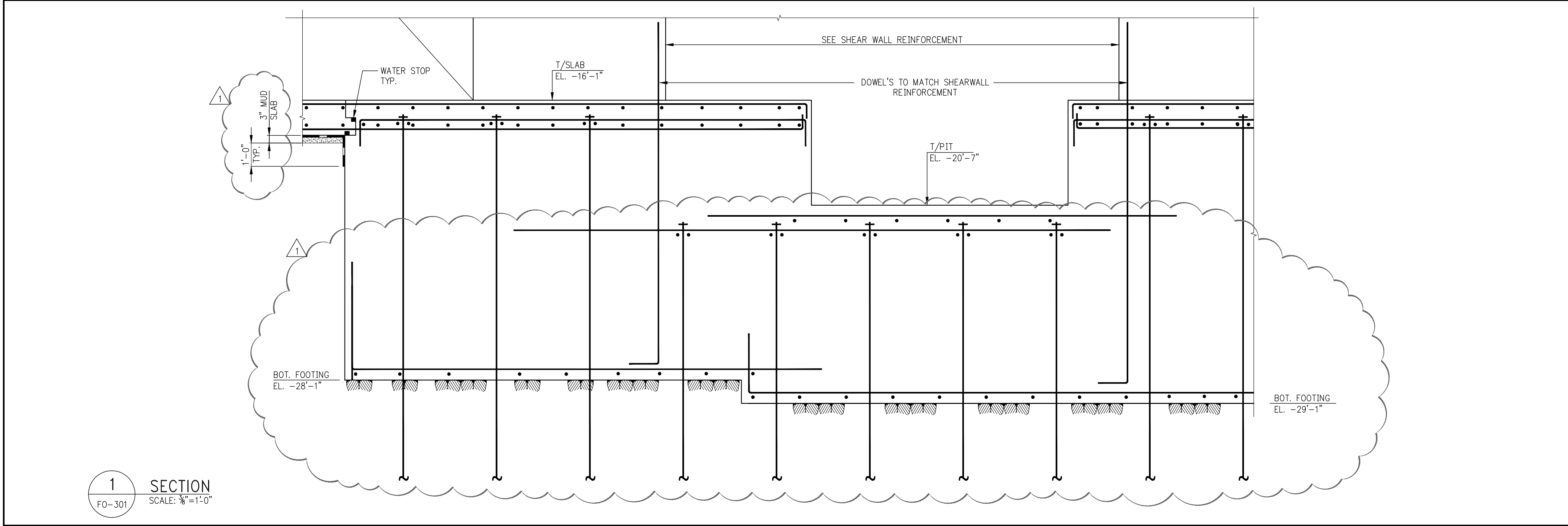
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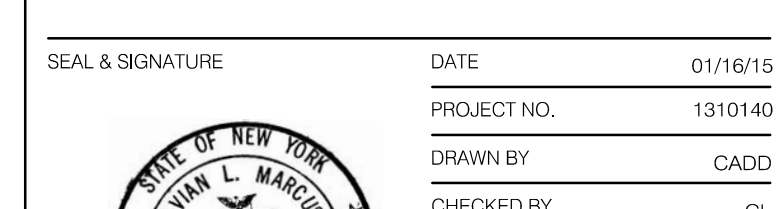


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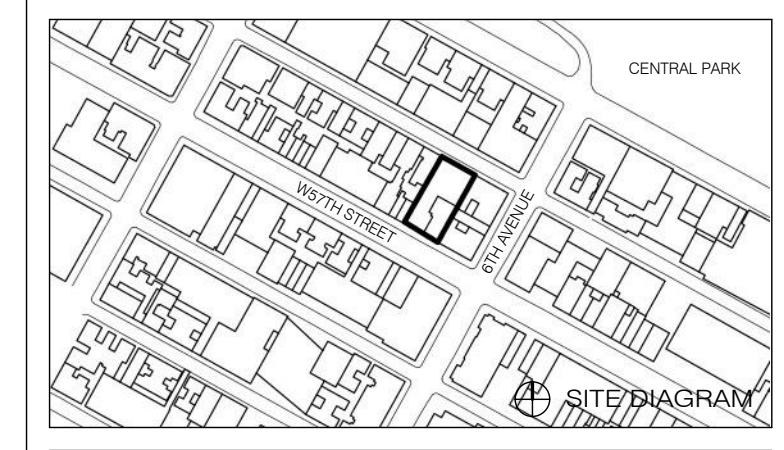
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FO-301.01
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111 WEST 57TH STREET
NEW YORK, NY 10019



1	3.27.15	DOB PAA
	5.1.14	DOB PLING SET

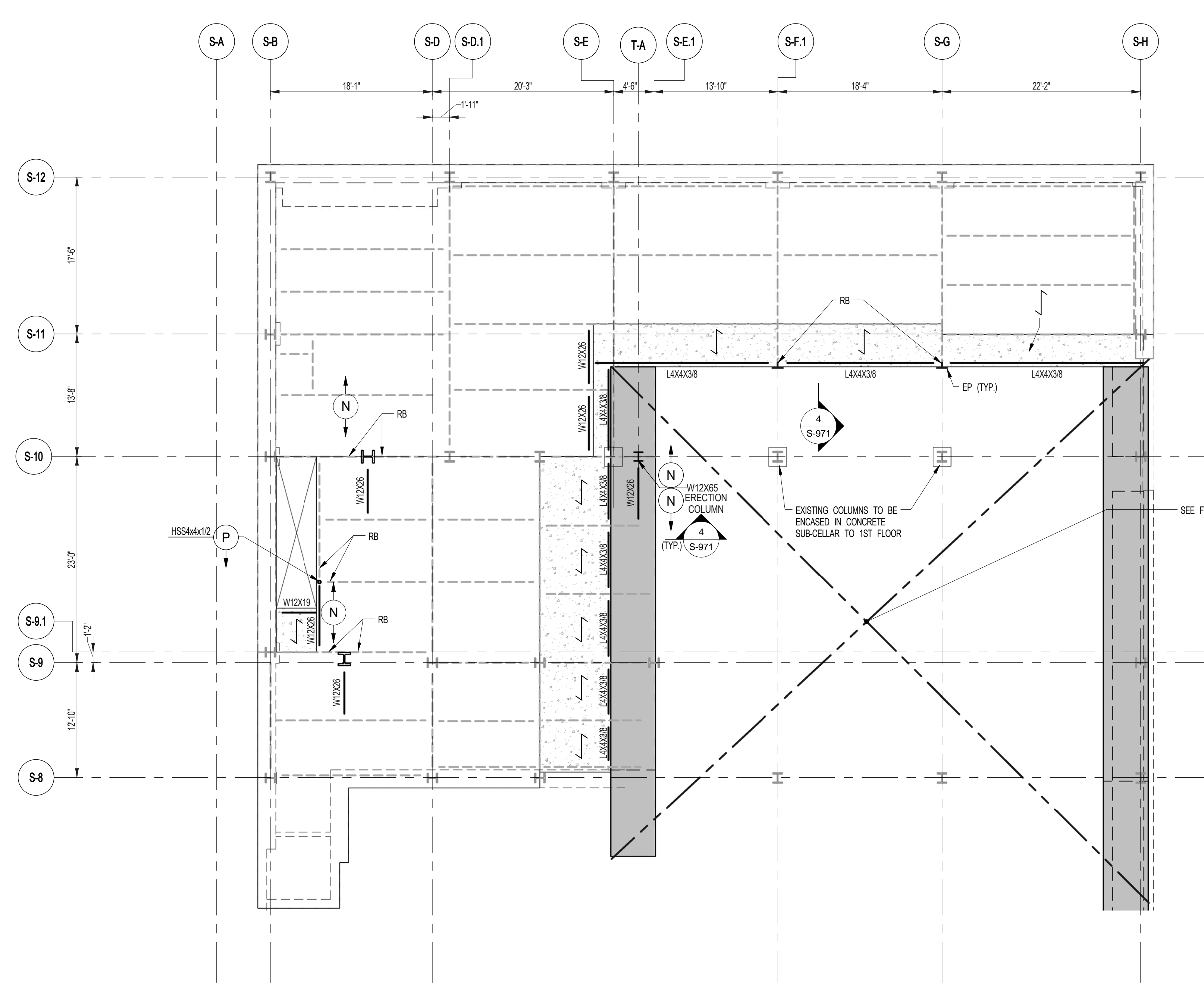
NO.	DATE	REVISION

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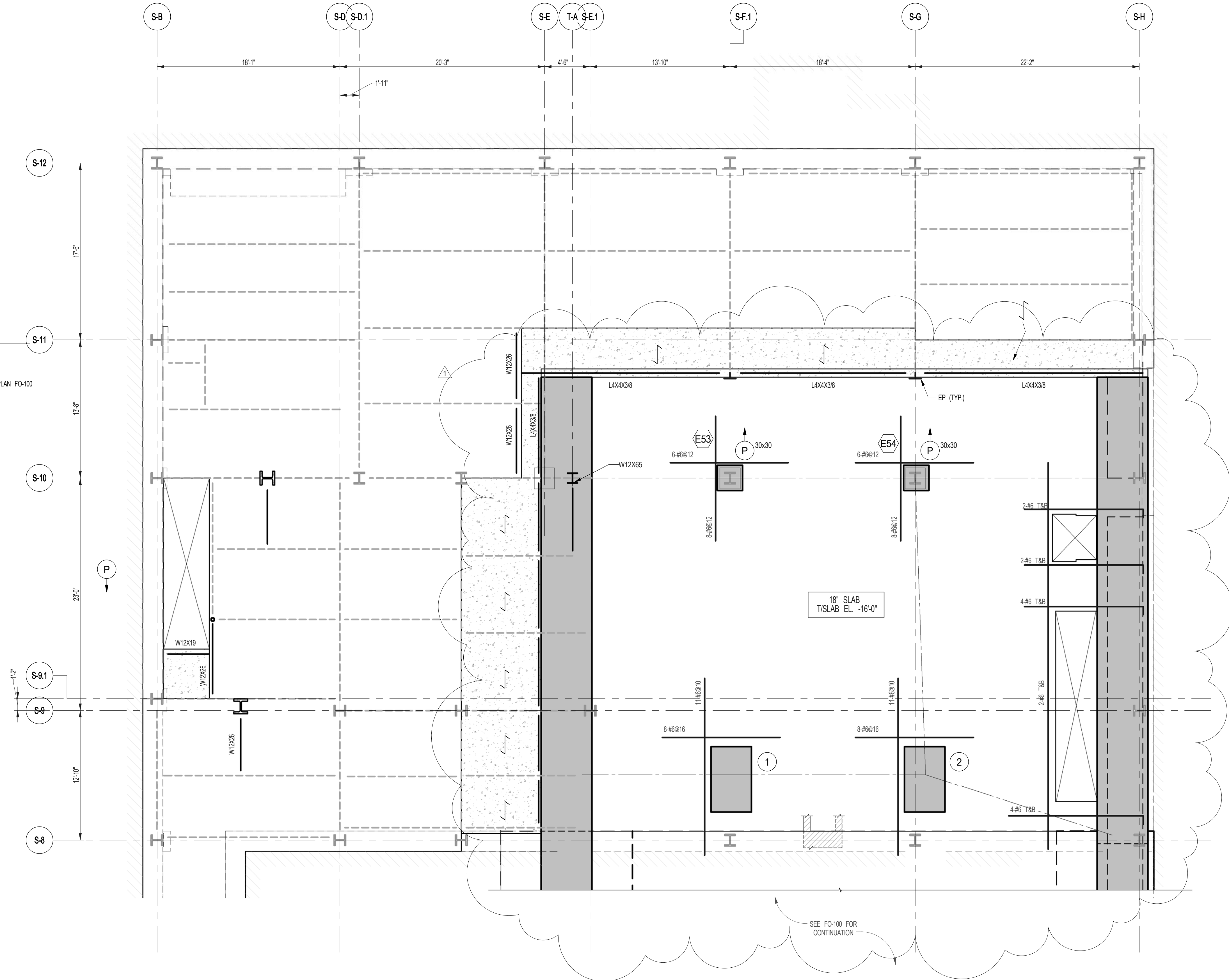
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CELLAR FRAMING PLAN

SEAL & SIGNATURE	DATE	5.1.14
	PROJECT NO.	1310180
	DRAWN BY	CADD
	CHECKED BY	PK
	DOB NO.	0915
	DRAWING NUMBER	S-005.01



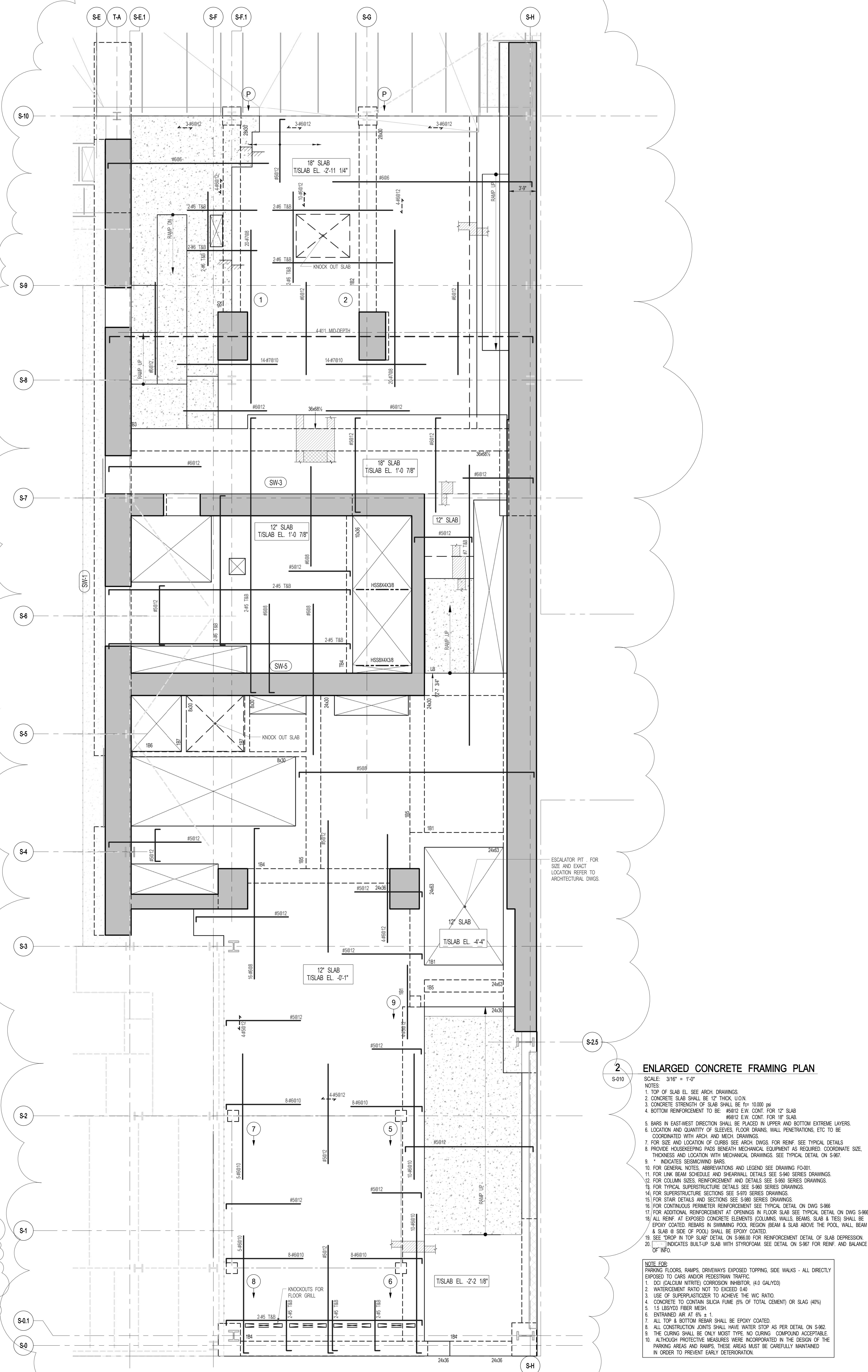
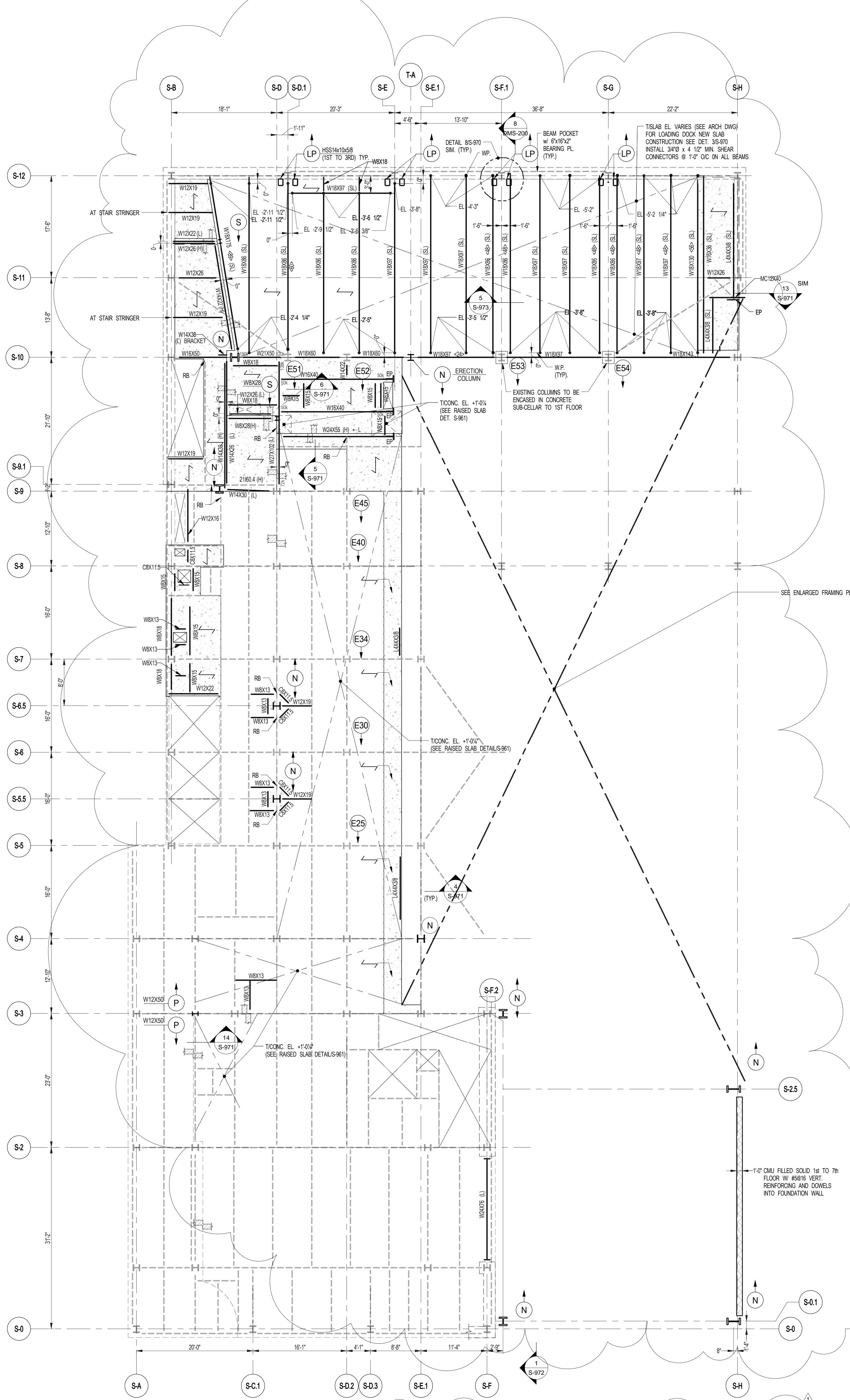
1 CELLAR FRAMING PLAN
SCALE: 1/8" = 1'-0"

NOTES:
1. INDICATES NEW SLAB CONSTRUCTION. SEE SECT. 35-81.
2. ELEVATION SHOWN THIS (---) INDICATES TESTS ELEVATION ABOVE TISLAB.
3. FOR ADDITIONAL NOTES AND LEGEND SEE DRAWING FD-01.
4. INSTALL 3/8"x12" LONG OVER DECK SHEAR CONNECTORS @ 1'-0" ON ALL NEW BEAMS WITH NEW DECK U.O.N.
5. (P) INDICATES 30x30 POST W9x49.



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

NOTES:
1. TOP OF CONCRETE SLAB TO BE -16'-0" U.O.N.
2. SLAB THICKNESS TO BE 12" U.O.N. THIS (---) ON PLAN.
3. TOP AND BOTTOM REINFORCEMENT TO BE #8@12" E-W. CONTINUOUS FOR 18" SLAB.



1ST FLOOR BEAM SCHEDULE									
BEAM MARK	WIDTH	DEPTH	REINFORCEMENT		TOP ADD'L BARS AT SUPPORT	TYPE	STIRRUPS		REMARKS
			BOTTOM CONTINUOUS	TOP CONTINUOUS			SIZE	SPACING	
1B1	24	63	4#11	4#11		2	#4	@12	
1B2	28	30	8#10	8#10		2	#4	@12	EXTEND TOP & BOTTOM BARS TO HOOK INTO SW-3
1B3	36	66.5	6#10	6#7		1	#4	@12	
1B4	24	36	4#11	4#10		1	#4	@12	
1B5	24	30	4#11			1	#4	@12	
1B6	8	30	2#7	2#7		1	#4	@12	
1B7	8	30	2#7	2#6		1	#4	@12	

NOTES:

- INDICATES NEW SLAB CONSTRUCTION. SEE SECT. S-961.
- ELEVATION SHOWN THIS (N) INDICATES TISEL. ELEVATION ABOVE TISLAB.
- FOR ADDITIONAL NOTES AND LEGEND SEE DRAWING F-001.
- (S) INDICATES SLOPING BEAM.
- (S) INDICATES STRIP.
- INSTALL 3/4" x 2" LONG OVER DECK SHEAR CONNECTORS @ 12" OC ON ALL NEW BEAMS WITH NEW DECK U/ON.
- INDICATES SLOPED BEAM.
- EL. XX' INDICATES TISEL ELEVATION AT GRID.

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

NOTES:

- TOP OF SLAB EL. SEE ARCH. DRAWINGS.
- CONCRETE SLAB SHALL BE 12" THICK U/ON.
- CONCRETE STRENGTH OF SLAB SHALL BE F_c = 10,000 PSI.
- BOTTOM REINFORCEMENT TO BE #8@12 E/W. CONT. FOR 12" SLAB.
- BARS IN EAST/WEST DIRECTION SHALL BE PLACED IN UPPER AND BOTTOM EXTREME LAYERS.
- LOCATION AND QUANTITY OF SLEEVES, FLOOR DRAINS, WALL PENETRATIONS, ETC. TO BE COORDINATED WITH ARCH. AND MECH. DRAWINGS.
- FOR SIZE AND LOCATION OF CURBS SEE ARCH. DWGS. FOR REINF. SEE TYPICAL DETAILS.
- PROVIDE REINFORCING PADS BEHIND MECHANICAL EQUIPMENT AS REQUIRED. COORDINATE SIZE, THICKNESS AND LOCATION WITH MECHANICAL DRAWINGS. SEE TYPICAL DETAIL ON S-967.
- INDICATES SEISMIC/WIND BARS.
- FOR GENERAL NOTES, ABBREVIATIONS AND LEGEND SEE DRAWING F-001.
- FOR UNV. BEAM SCHEDULE AND SHEARWALL DETAILS SEE S-960 SERIES DRAWINGS.
- FOR COLUMN SIZES, REINFORCEMENT AND DETAILS SEE S-960 SERIES DRAWINGS.
- FOR TYPICAL SUPERSTRUCTURE DETAILS SEE S-960 SERIES DRAWINGS.
- FOR SUPERSTRUCTURE SECTIONS SEE S-970 SERIES DRAWINGS.
- FOR STAR DETAILS AND SECTIONS SEE S-980 SERIES DRAWINGS.
- FOR CONTINUOUS PERIMETER REINFORCEMENT SEE TYPICAL DETAIL ON DWG S-966.
- FOR ADDITIONAL REINFORCEMENT AT OPENINGS IN FLOOR SLAB SEE TYPICAL DETAIL ON DWG S-966.
- ALL REINF. AT EXPOSED CONCRETE ELEMENTS (COLUMNS, WALLS, BEAMS, SLAB & TIE) SHALL BE EPOXY COATED REBAR IN SWIMMING POOL REGION (BEAM & SLAB ABOVE THE POOL, WALL, BEAM & SLAB @ SIDE OF POOL) SHALL BE EPOXY COATED.
- SEE "TOP" IN TOP SLAB DETAIL ON S-960 FOR REINFORCEMENT DETAIL OF SLAB DEPRESSION.
- INDICATES BUILT-UP SLAB WITH SYNOFORM. SEE DETAIL ON S-967 FOR REIN. AND BALANCE OF INFO.

NOTE EDR:
PARKING FLOORS, RAMPS, DRIVEWAYS EXPOSED TOPPING, SIDE WALKS - ALL DIRECTLY EXPOSED TO CAR AND PEDESTRIAN TRAFFIC.
1. DO (CALCIUM NITRIDE) CORROSION INHIBITOR (A.O. GALVADOL)
2. WATER/CEMENT RATIO NOT TO EXCEED 0.40
3. USE OF SUPERPLASTICIZER TO ACHIEVE THE W/C RATIO.
4. CONCRETE TO CONTAIN SLURRY CURE (5% OF TOTAL CEMENT) OR SLAG (40%)
5. 1.5 LB/SYD GREEN MESH
6. ENTRAINED AIR AT 6% ± 1
7. ALL TOP & BOTTOM BEAMS SHALL BE EPOXY COATED.
8. ALL CONSTRUCTION JOINTS SHALL HAVE WATER STOP AS PER DETAIL ON S-962.
9. THE CURING SHALL BE ONLY MOSTLY TYPE NO CURING COMPOUND ACCEPTABLE.
10. ALTHOUGH PROTECTIVE MEASURES WERE INCORPORATED IN THE DESIGN OF THE PARKING AREAS AND RAMPS, THESE AREAS MUST BE CAREFULLY MAINTAINED IN ORDER TO PREVENT EARLY DEGRADATION.

JDS DEVELOPMENT GROUP

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sh p

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NO.	DATE	REVISION
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1ST FLOOR FRAMING PLAN

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

DATE: 5/1/14
PROJECT NO: 1310180
DRAWN BY: CADDO
CHECKED BY: RJK
DESIGNED BY: RJK
DRAWING NUMBER: S-010.01

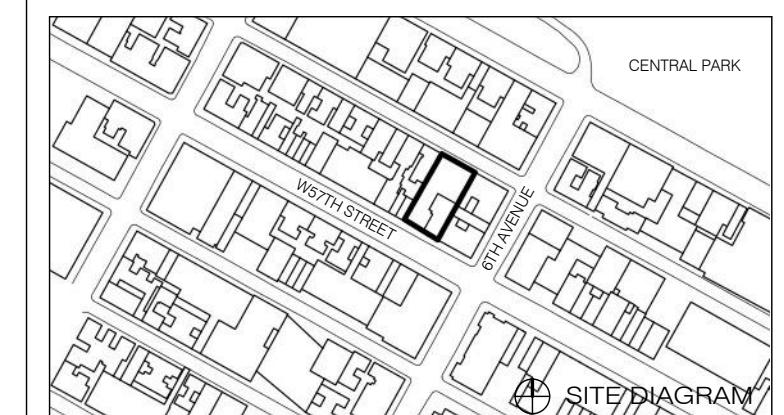
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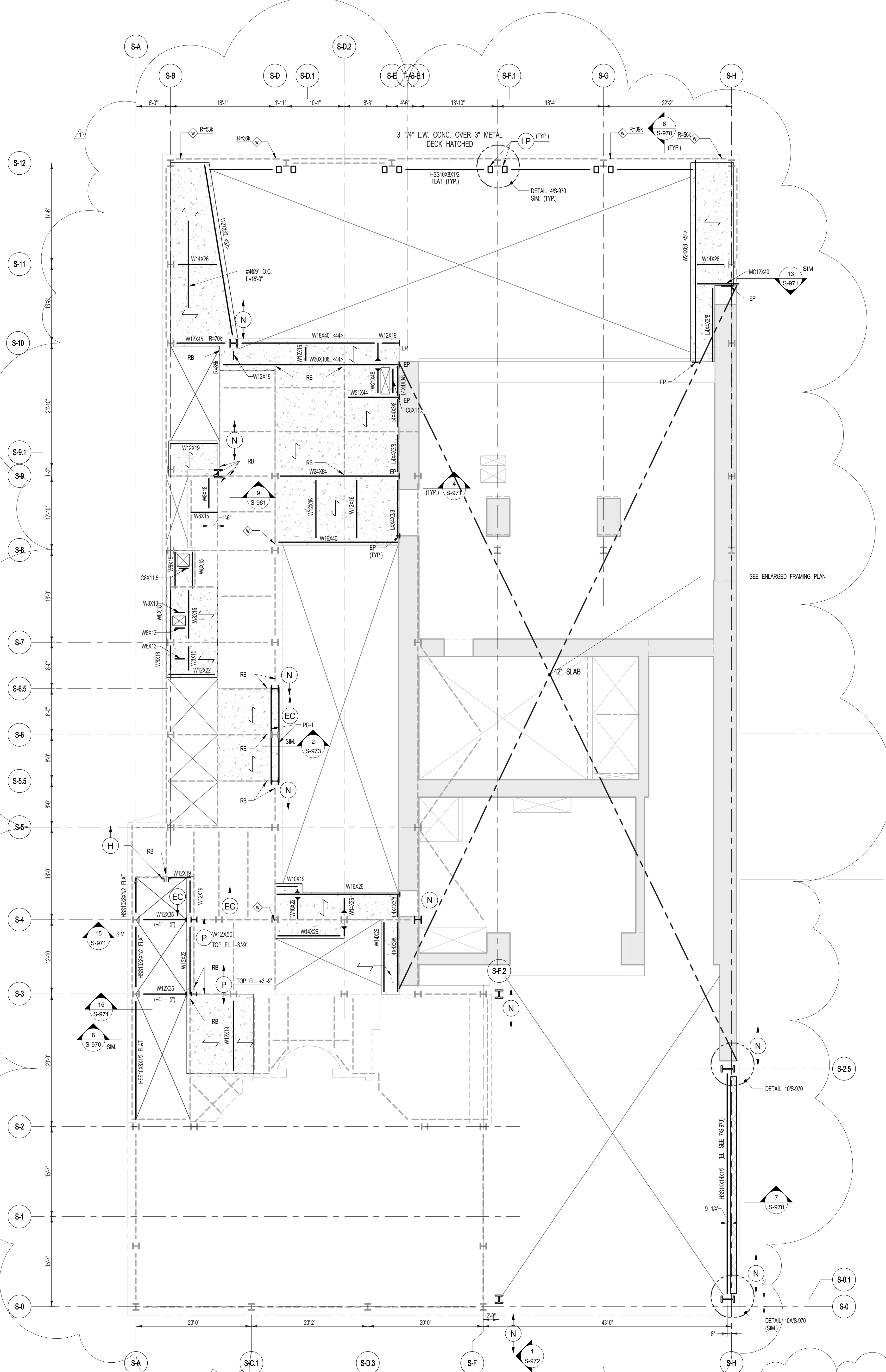
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2ND FLOOR FRAMING PLAN

SCALE: SIGNATURE DATE PROJECT NO. 1319180
 DESIGNER BY CADAD
 CHECKED BY PK
 DOB NO.
 DRAWING NUMBER

S-020.01



1 2ND FLOOR FRAMING PLAN
 S-020
 SCALE: 1/8" = 1'-0"

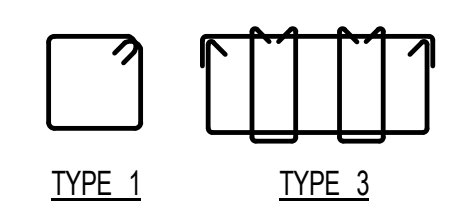
- NOTES:**
- INDICATES NEW SLAB CONSTRUCTION. SEE SECT. 33-61.
 - ELEVATION SHOWN THIS (-) INDICATES 'NET' ELEVATION ABOVE T&B.
 - FOR ADDITIONAL NOTES AND LEGEND SEE DRAWING 00-01.
 - INSTALL 3/16" 2" LONG OVER BECK SHEAR CONNECTORS @ 12" OC ON ALL NEW BEAMS WITH NEW DECK LION.
 - FOR OPENINGS DIMENSIONS SEE ARCH DWG.

TYPICAL BEAM SCHEDULE

BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS			REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SIZE	SPACING	
TB1	30	20	4-#8	4-#8		1	#4	@4	
TB2	30	20	3-#8	3-#8		1	#4	@4	
TB2A	24	20	3-#8	3-#8		1	#4	@4	
TB3	8	12	2-#6	2-#6		1	#3	@5	
TB4	10	36	2-#6	2-#6		1	#4	@16	EXTEND TOP REINF. INTO SLAB
TB4A	10	36	4-#7 (2 LAYERS)	4-#7 (2 LAYERS)		1	#4	@12	
TB5	60	36	10-#11 (3 LAYERS)	10-#11 (3 LAYERS)		3	#4	@16	
TB6	36	36	21-#11 (3 LAYERS)	21-#11 (3 LAYERS)		2	#4	@8	
TB8	36	36	4-#10	4-#10		1	#4	@16	
TB10	44	32	10-#10	10-#10		1	#4	@8	
TB11	6	8	2-#7	2-#7		1	#3	@4	
TB13	14	48	9-#11 (3 LAYERS)	9-#11 (3 LAYERS)		1	#4	@12	9-#4 SKIN REINF.

2 ENLARGED CONCRETE FRAMING PLAN
 S-020
 SCALE: 3/16" = 1'-0"

- NOTES:**
- TOP OF SLAB EL. SEE ARCH DRAWINGS.
 - SLAB THICKNESS TO BE 12" UNLESS NOTED OTHERWISE ON PLAN.
 - BOTTOM REINFORCEMENT TO BE #5@12" EW. CONTINUOUS FOR 12" SLAB.
 - FOR BALANCE OF NOTES SEE DRAWING 00-01.

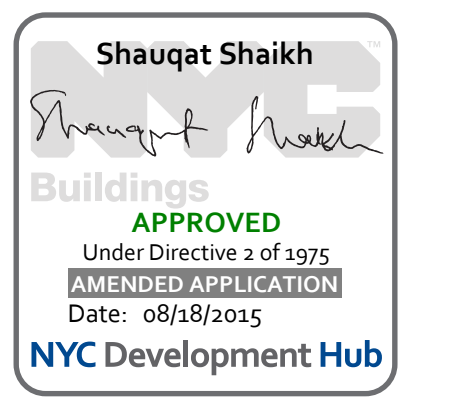


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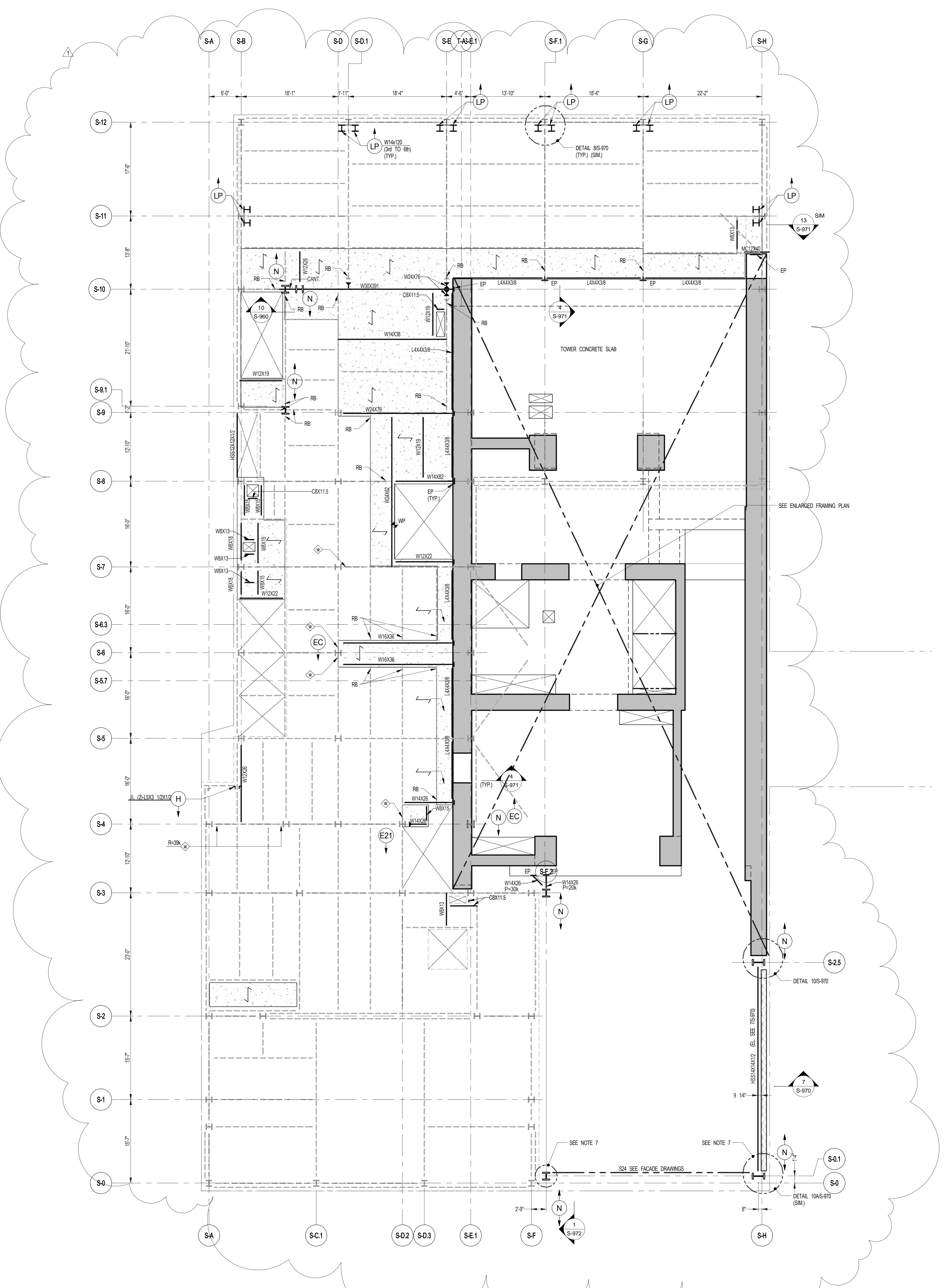
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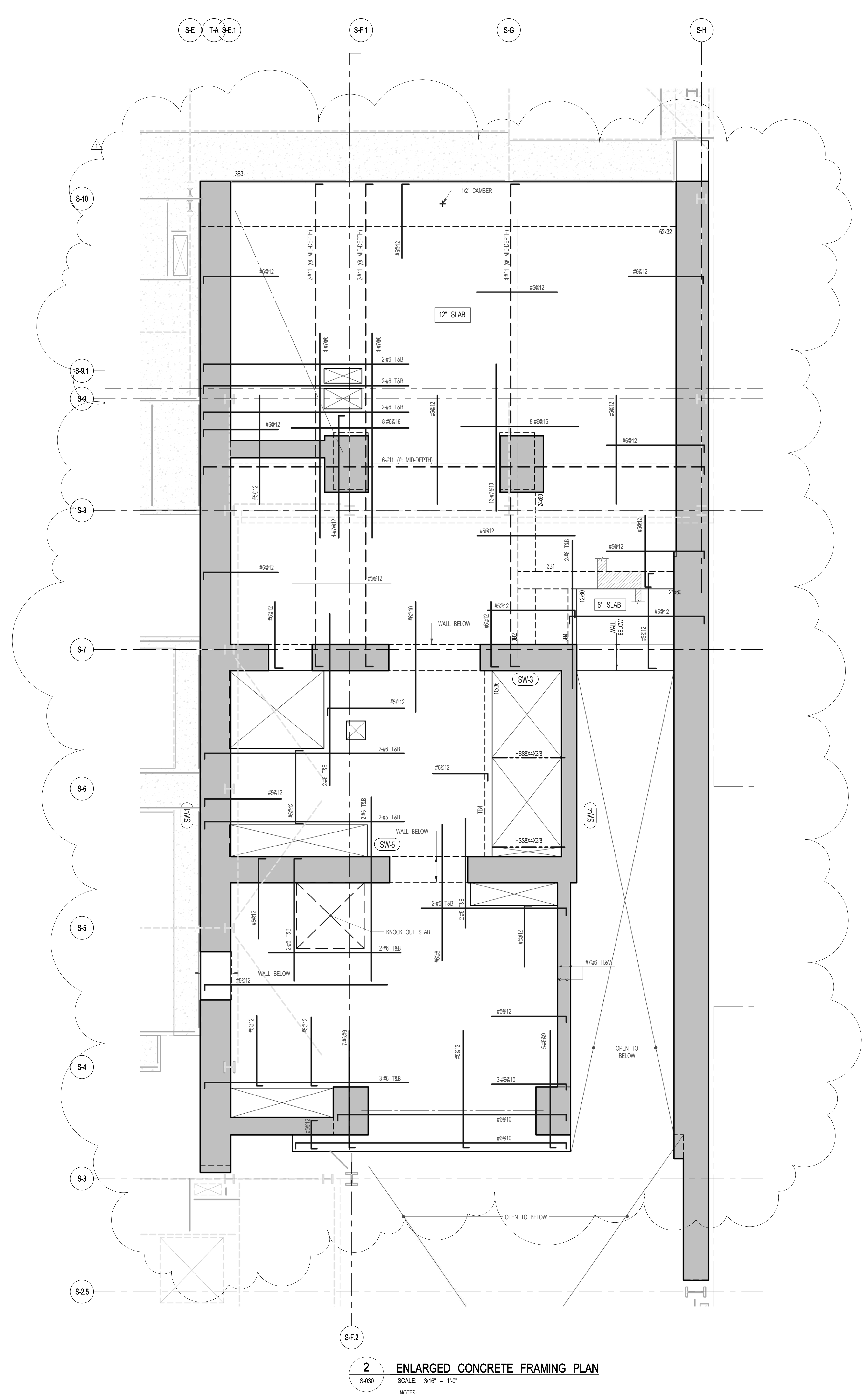
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DRAWING TITLE
3RD FLOOR FRAMING PLAN

SEAL & SIGNATURE	DATE	5.1.14
PROJECT NO.	1310180	
DRAWN BY	CADD	
CHECKED BY	PK	
DOB NO.	09178	
DRAWING NUMBER		
S-030.01		



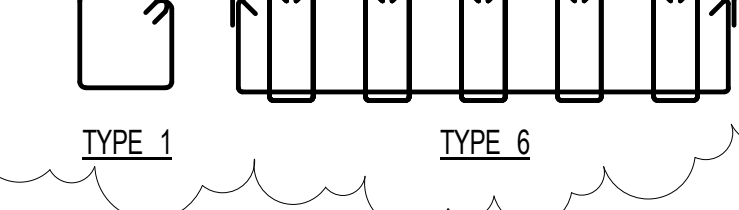
- 1**
S-030
3RD FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"
- NOTES:
- INDICATES NEW SLAB CONSTRUCTION. SEE SECT. 35-9/1.
 - ELEVATION SHOWS TRUSS (T) INDICATES STEEL ELEVATION ABOVE TRUSS.
 - FOR ADDITIONAL NOTES AND LEGEND SEE DRAWING P001.
 - INSTALL 2" LONG OVER BECK SHEAR CONNECTORS @ 1'-0" ON ALL NEW BEAMS WITH NEW BECK JOIN.
 - FOR OPENING DIMENSIONS SEE ARCH DWG.
 - PH - INDICATES REVERSIBLE SERVICE WALL LOAD IN KIPS FOR DESIGN OF CONNECTION.
 - PROVIDE COLUMN 1/2" STIFF PLATES (SS) AT SVH BEAM CONNECTION.

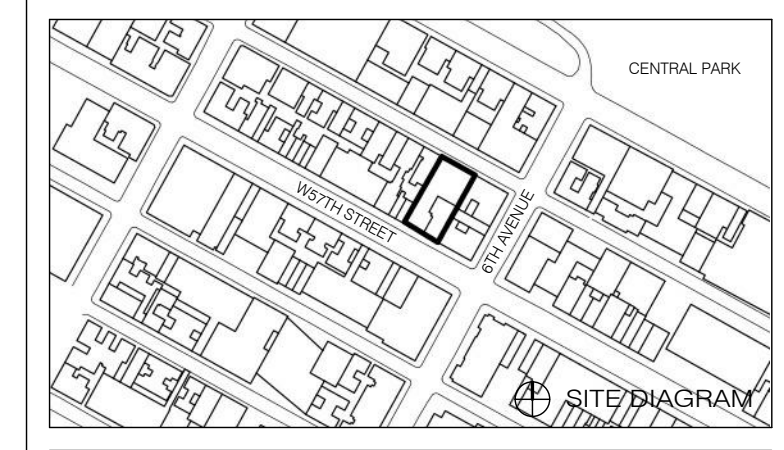


2
S-030
ENLARGED CONCRETE FRAMING PLAN
SCALE: 3/16" = 1'-0"

- NOTES:
- TOP OF SLAB EL. SEE ARCH DRAWINGS.
 - SLAB THICKNESS TO BE 12" UNLESS OTHERWISE NOTED.
 - BOTTOM REINFORCEMENT TO BE #4@12' E-W CONTINUOUS FOR 8" SLAB. #5@12' E-W CONTINUOUS FOR 12" SLAB.
 - FOR BALANCE OF NOTES SEE DRAWING S-030.

BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS			REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SIZE	SPACING	
3B1	24	60	4-#10	4-#8	1	#4	@12		
3B2	24	60	4-#11	4-#11	1	#4	@12		
3B3	62	30	10-#11	10-#11	6	#4	@12		
3B4	12	60	4-#8	4-#6	1	#4	@12		





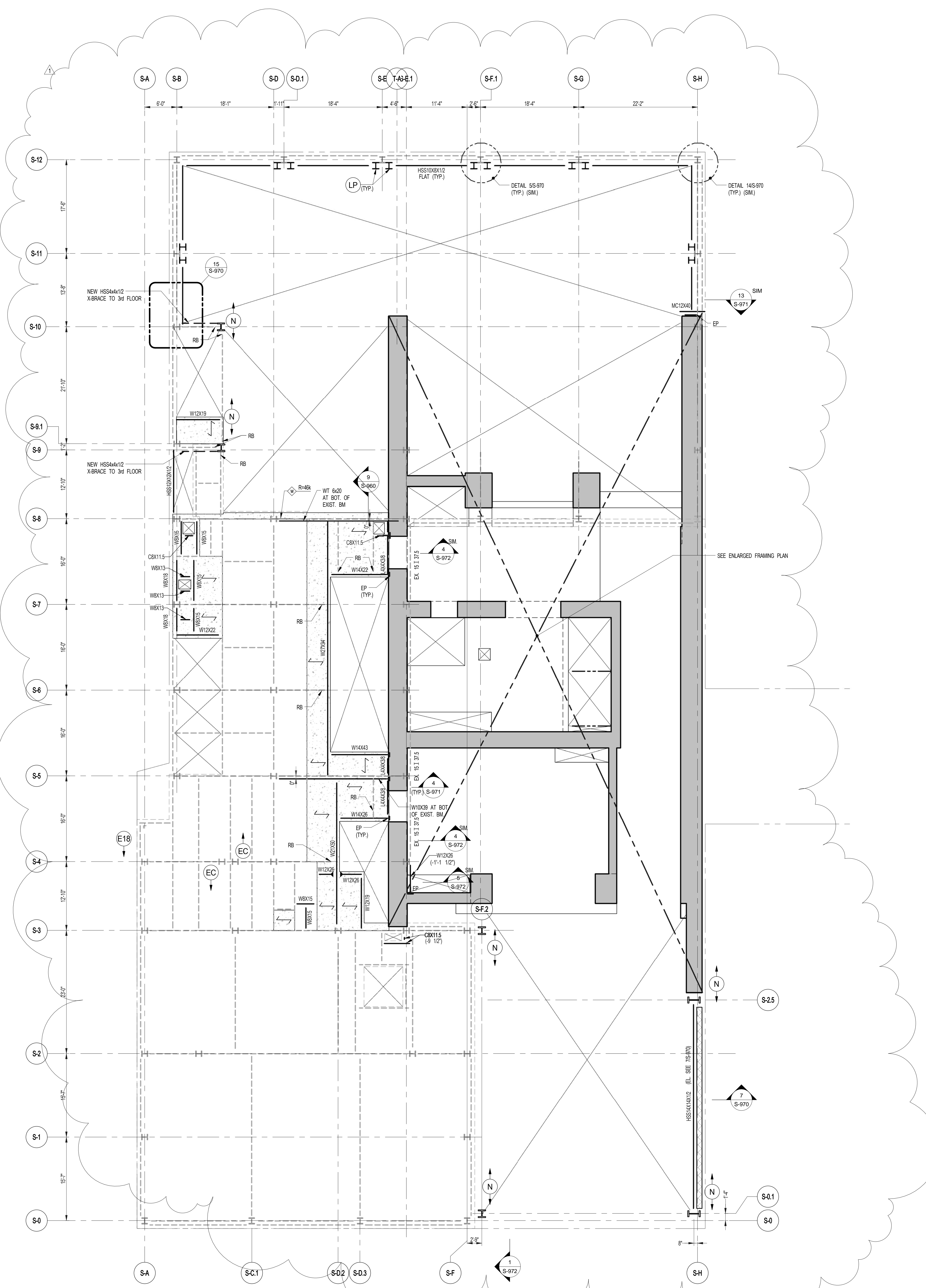
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4TH FLOOR FRAMING PLAN

SEAL & SIGNATURE	DATE	5.1.14
	PROJECT NO.	1310180
	DRAWN BY	CADD
	CHECKED BY	PK
	DOB NO.	0915
	DRAWING NUMBER	S-040.01



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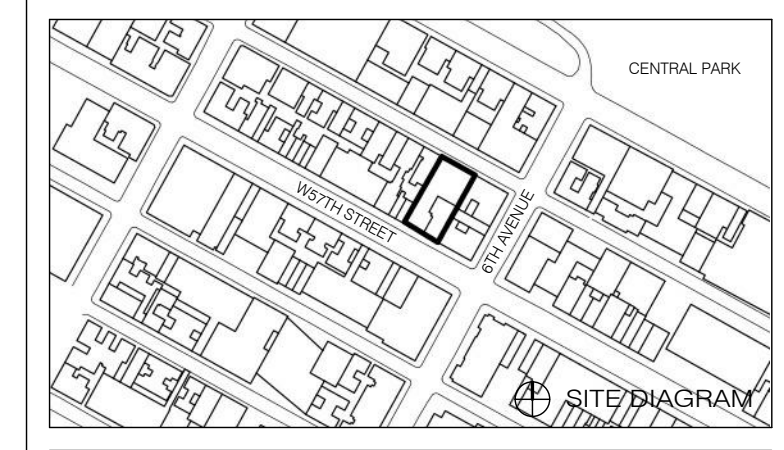


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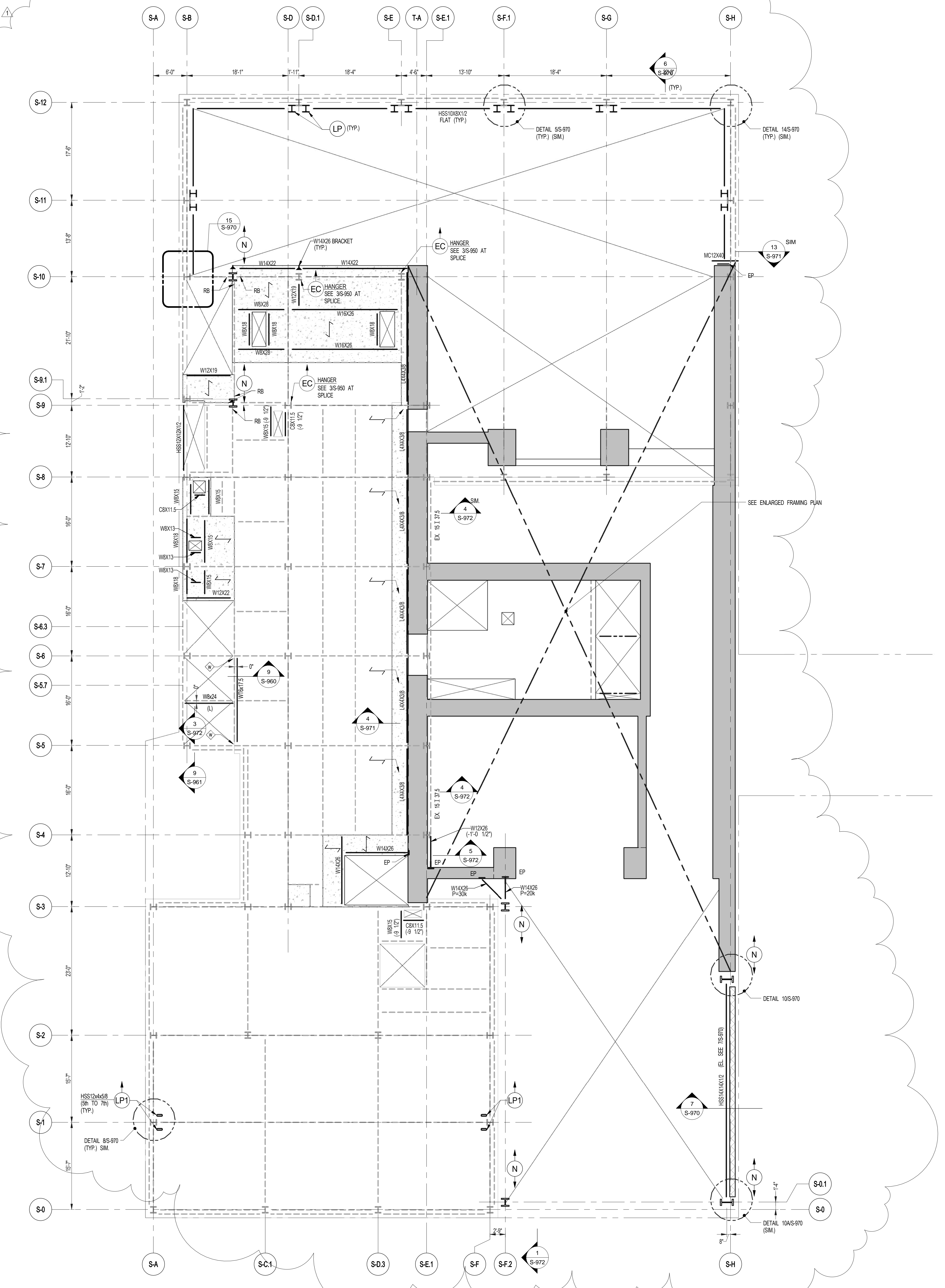
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DRAWING TITLE

5TH FLOOR FRAMING PLAN

SEAL & SIGNATURE	DATE	5.1.14
	PROJECT NO.	1310180
	DRAWN BY	CADD
	CHECKED BY	PK
	DOB NO.	0975
	DRAWING NUMBER	S-050.01



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 111 WEST 57TH STREET
 NEW YORK, NY 10019



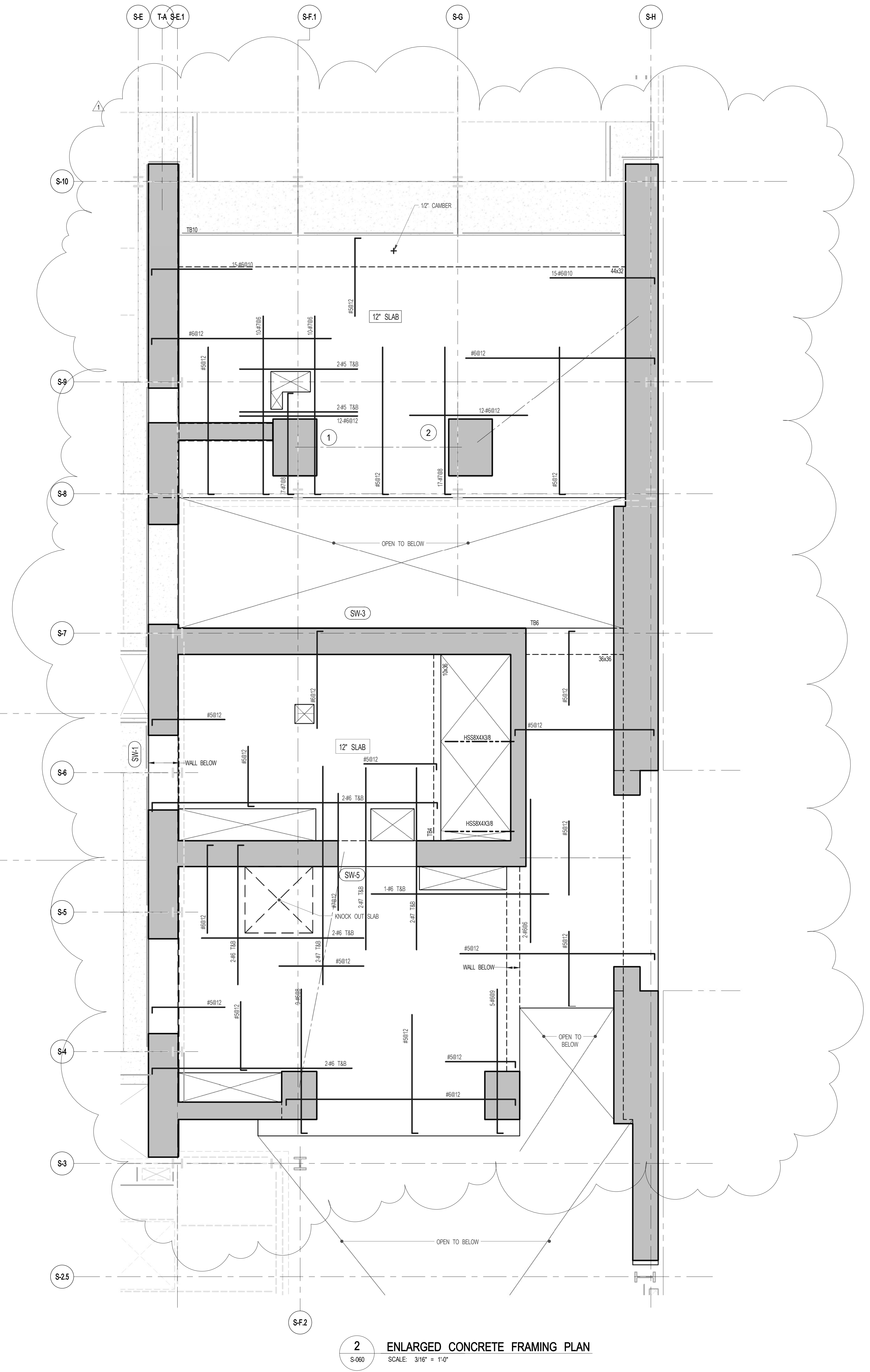
1	3.27.15	DOB PAA
	5.1.14	DOB PLING SET
NO.	DATE	REVISION

● NOT FOR CONSTRUCTION

6TH FLOOR FRAMING PLAN

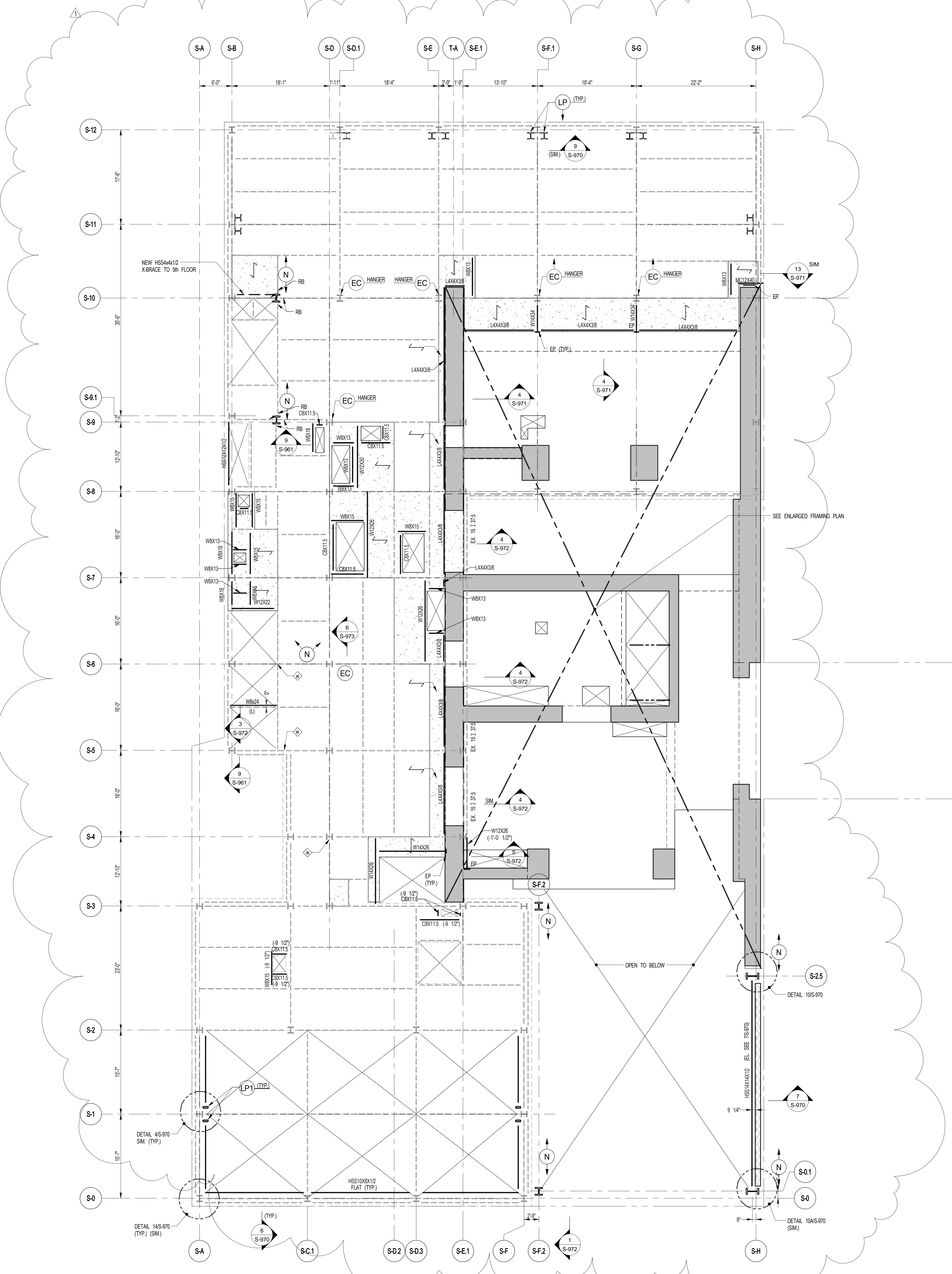
SCALE	DATE	5.1.14
PROJECT NO.	1310180	
DRAWN BY	CADD	
CHECKED BY	PK	
DOB NO.	09175	
DRAWING NUMBER		

S-060.01



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

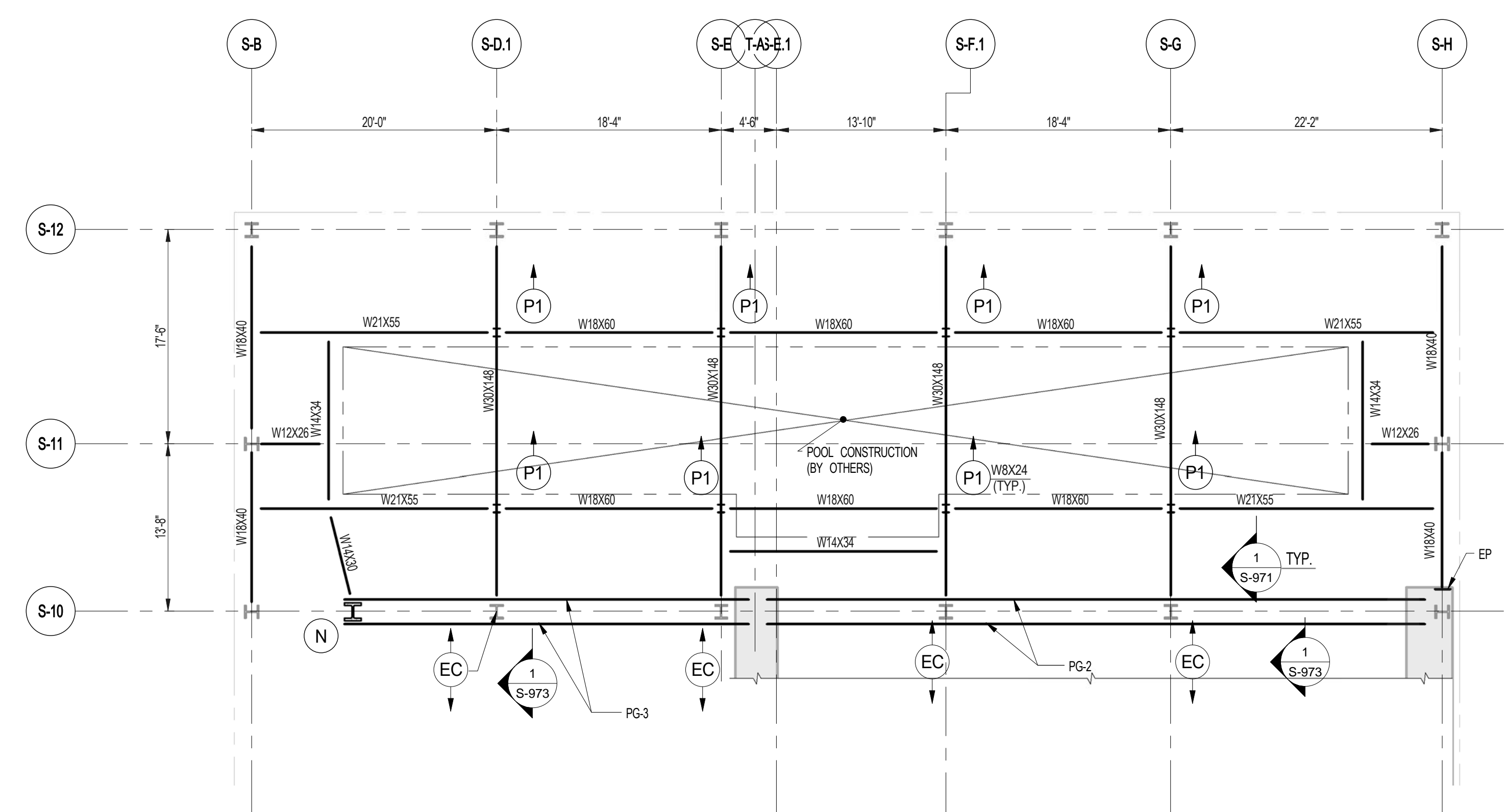
- NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
 2. SLAB THICKNESS TO BE 12" UNLESS NOTED OTHERWISE ON PLAN.
 3. BOTTOM REINFORCEMENT TO BE #6@12" E-W CONTINUOUS FOR 12" SLAB.
 4. FOR BALANCE OF NOTES SEE DRAWING S-010.



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

- NOTES:
1. INDICATES NEW SLAB CONSTRUCTION. SEE SECT. 30-961.
 2. ELEVATION SHOWN THUS (.....) INDICATES 1" STEEL ELEVATION ABOVE TSLAB.
 3. FOR ADDITIONAL NOTES AND LEGEND SEE DRAWING P-0201.
 4. INSTALLED 3/8" x 2" LONG OVER DECK BREAK CONNECTORS @ 1'-0" ON ALL NEW BEAMS WITH NEW DECK U/L ON.
 5. FOR OPENINGS DIMENSIONS SEE ARCH. DWG.

ARCHITECT	SHAP ARCHITECTS, P.C. 220 BROADWAY, 11TH FLOOR NEW YORK, NY 10005 TEL: 212 693 9300
STRUCTURAL ENGINEER	YUSUF GHAFOOR ENGINEERING 220 EAST 43RD STREET NEW YORK, NY 10017 TEL: 212 697 5866
MEP ENGINEER	JANUS BALK & BOLLER 80 WEST STREET, 12TH FLOOR NEW YORK, NY 10006 TEL: 212 693 9300
CIVIL ENGINEER	ARUP ENGINEERING, P.C. 40 FIFTH AVE, 26TH FLOOR NEW YORK, NY 10018 TEL: 212 260 2600
ACOUSTICS	LONGMAN LINDSEY 40 WEST 58TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 917 288 2888
INTERIORS	STUDIOS JENSEN 200 WALKER STREET NEW YORK, NY 10002 TEL: 212 475 1300
FAÇADE	BURROUGHS WERFIELD 100 BROADWAY NEW YORK, NY 10005 TEL: 212 254 2025
VERTICAL TRANSPORTATION	VAN DEUSEN & ASSOCIATES 8 BROADWAY, SUITE 200 LARKSPER, NY 10509 TEL: 914 964 4770
RESTORATION	JAN HIRSH FOKORNY ASSOCIATES 80 WEST 57TH STREET, 11TH FLOOR NEW YORK, NY 10019 TEL: 212 268 6462
GEOTECH	MTICE 200 WEST 43RD STREET, 4TH FLOOR NEW YORK, NY 10018 TEL: 917 288 4900
LIGHTING	CONSERVATORIE INTERNATIONAL 100 WALKER STREET, 7TH FLOOR EAST NEW YORK, NY 10002 TEL: 212 254 4463



1 POOL LOWER FRAMING PLAN
S-061 SCALE: 1/8" = 1'-0"

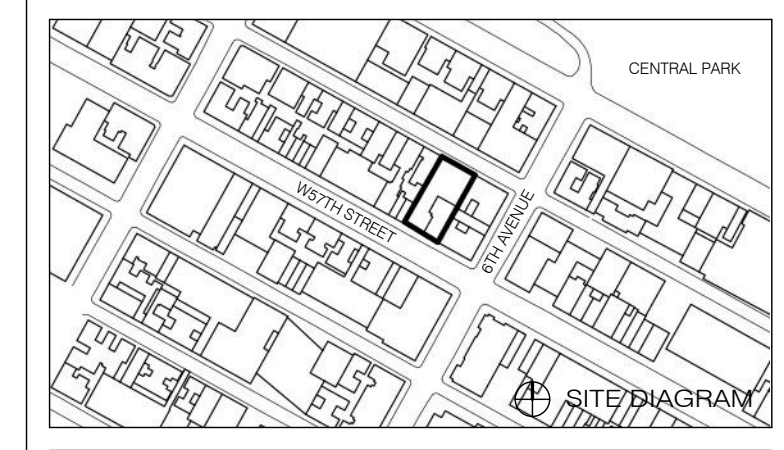


PROPERTY MARKETS GROUP
100 WEST 43RD STREET, 10TH FLOOR
NEW YORK, NY 10018
TEL: 212 693 9300

CURRENT ISSUE



111 WEST 57TH STREET
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NEW YORK, NY 10019



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POOL LOWER FRAMING PLAN

SEAL & SIGNATURE	DATE	5.1.14
	PROJECT NO.	1310180
	DRAWN BY	Author
	CHECKED BY	Checker
	DOB NO.	
	DRAWING NUMBER	S-061.01



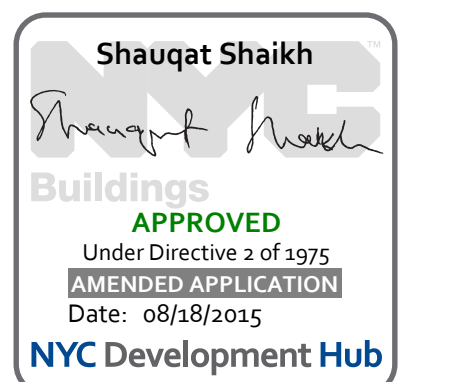
S-061.01

ARCHITECT	SHAP ARCHITECTS, P.C. 235 BROADWAY, 11TH FLOOR NEW YORK, NY 10038 TEL: 212.869.9999	FAÇADE	SHAP ARCHITECTS, P.C. 235 BROADWAY, 11TH FLOOR NEW YORK, NY 10038 TEL: 212.869.9999
STRUCTURAL ENGINEER	TOPIC CONSULTING ENGINEERS 235 EAST 47TH STREET NEW YORK, NY 10017 TEL: 212.869.9999	MEP ENGINEER	JAN DEWEN & ASSOCIATES 8 BROADWAY, 10TH FLOOR LARKSPUR, NJ 07033 TEL: 201.984.8700
MEP ENGINEER	JAN DEWEN & ASSOCIATES 8 BROADWAY, 10TH FLOOR LARKSPUR, NJ 07033 TEL: 201.984.8700	CIVIL ENGINEER	RESTORATION JAN HRO FOKORNY ASSOCIATES 80 WEST 4TH STREET, 4TH FLOOR NEW YORK, NY 10014 TEL: 212.724.4442
ACUSTICIAN	LONGMAN LINDSEY 40 WEST 40TH STREET, 4TH FLOOR NEW YORK, NY 10018 TEL: 212.509.8300	INTERIORS	STUDIO JOSEPH 200 WAREHOUSES STREET NEW YORK, NY 10014 TEL: 212.475.3000
GEOTECH	GEOTECH 100 WEST 4TH STREET, 4TH FLOOR NEW YORK, NY 10014 TEL: 212.509.8300	LIGHTING	CONSERVATIVE INTERNATIONAL 100 WAREHOUSES STREET, 7TH FLOOR EAST NEW YORK, NY 10014 TEL: 212.475.3000



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111 WEST 57TH STREET, 4TH FLOOR
NEW YORK, NY 10019
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CURRENT ISSUE



111 WEST 57TH STREET
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1	3.27.15	DOB PAA
1	5.1.14	DOB PLING SET

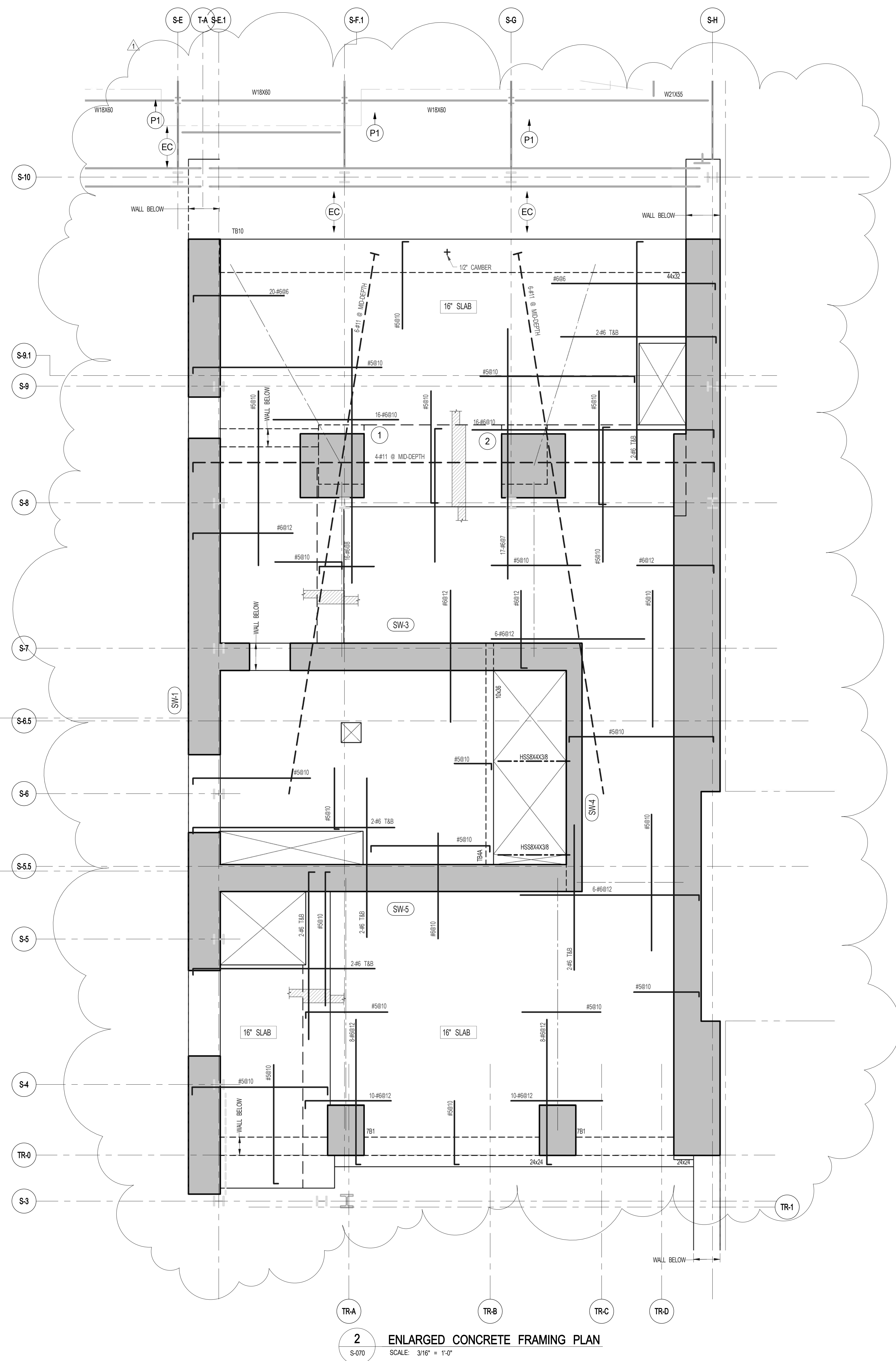
NO.	DATE	REVISION
1	09/08/15	ISSUED FOR PERMITS

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DRAWING TITLE
7TH FLOOR FRAMING PLAN

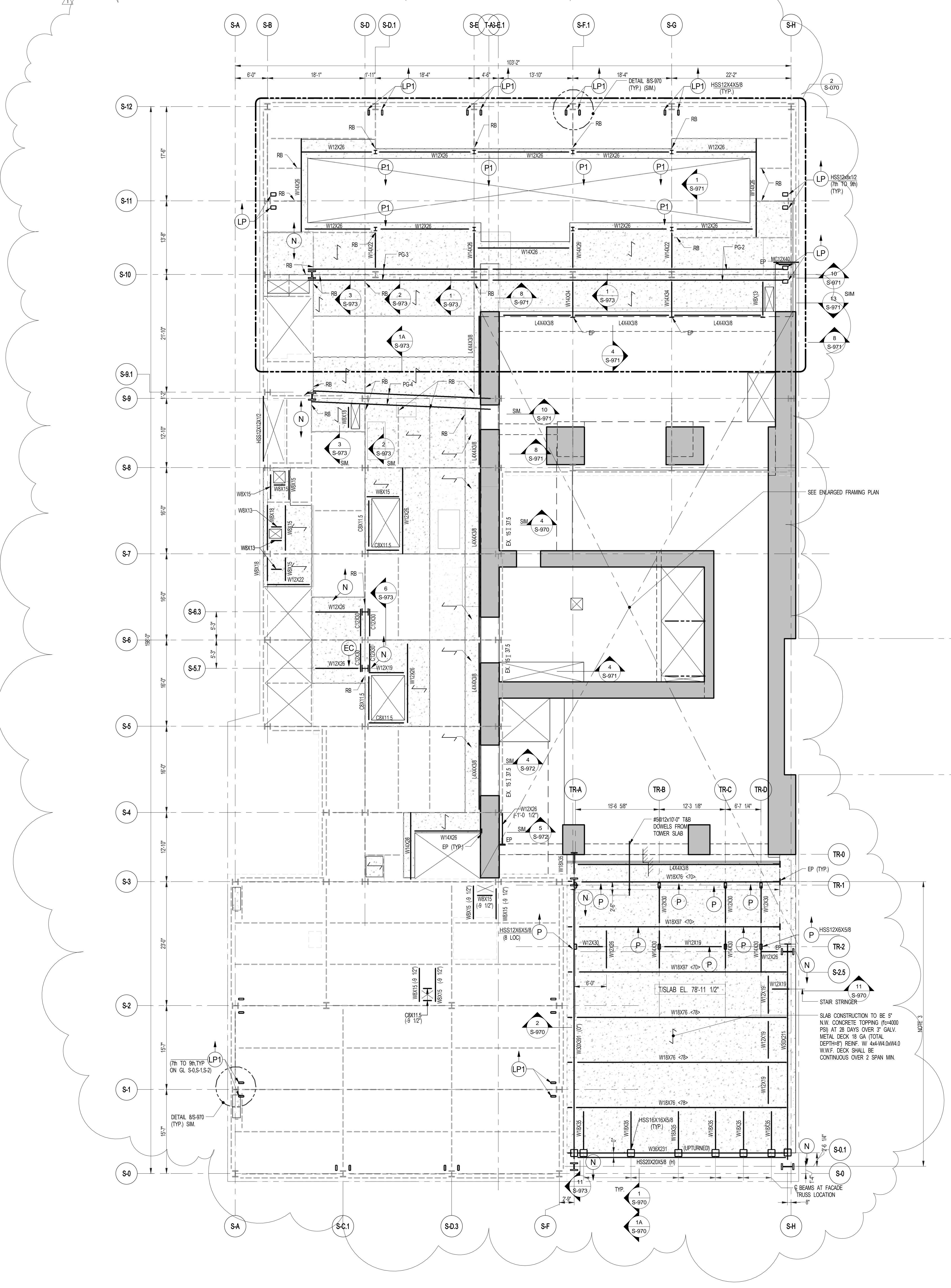
SEAL & SIGNATURE	DATE	5.1.14
	PROJECT NO.	1310180
	DRAWN BY	CADD
	CHECKED BY	PK
	DOB NO.	121332068
	DRAWING NUMBER	0715

S-070.01



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

- NOTES
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
 2. SLAB THICKNESS TO BE 12" UON THIS [] ON PLAN.
 3. BOTTOM REINFORCEMENT TO BE: #6@12" EW CONTINUOUS FOR 12" SLAB; #5@7" EW CONTINUOUS FOR 16" SLAB.
 4. FOR BALANCE OF NOTES SEE DRAWING S-010.



1 7TH FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

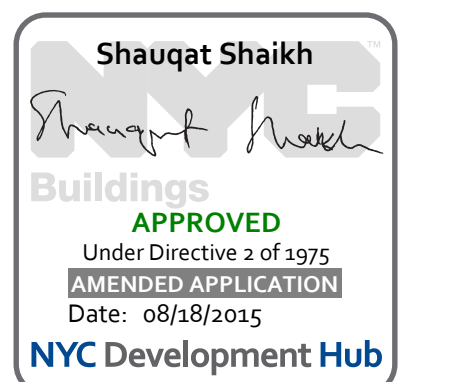
- NOTES
1. [] INDICATES NEW SLAB CONSTRUCTION. SEE SECT. 35-861.
 2. ELEVATION SHOWN THIS (---) INDICATES T&B ELEVATION ABOVE T&SLAB.
 3. ALL SLAB SUPPORT BEAMS TO BE PAINTED (UNLESS FIREPROOFED) PER ARCH. SPECIFICATIONS.
 4. FOR ADDITIONAL NOTES AND LEGEND SEE DRAWING FD-01.
 5. INSTALL 2X6 @ 2" LONG OVER DECK SHEAR CONNECTORS @ 12" OC ON ALL NEW BEAMS WITH NEW DECK UO/L.
 6. FOR OPENINGS DIMENSIONS SEE ARCH. DWG.

ARCHITECT	SHAP ARCHITECTS, P.C. 235 BROADWAY, 11TH FLOOR NEW YORK, NY 10038 TEL: 212 689 9336	FACADE	SHAPIRO HARRFIELD 105 BROADWAY NEW YORK, NY 10038 TEL: 212 244 2025
STRUCTURAL ENGINEER	TOPP CANTO REYNOLDS 228 EAST 43RD STREET NEW YORK, NY 10017 TEL: 212 697 2886	MEP ENGINEER	VERTICAL TRANSPORTATION VAN DEUSEN & ASSOCIATES 8 BROADWAY, SUITE 2014 LARKSPERD, NJ 07033 TEL: 201 988 8175
MEP ENGINEER	JORDIS, BALM & BOLLER 80 KING STREET, 12TH FLOOR NEW YORK, NY 10038 TEL: 212 689 8333	CIVIL ENGINEER	RESTORATION JAN HRO FOKORNY ASSOCIATES 80 WEST 47TH STREET, 4TH FLOOR NEW YORK, NY 10018 TEL: 212 758 4442
ACoustics	LONGMAN LINDSEY 41 WEST 48TH STREET, 4TH FLOOR NEW YORK, NY 10018 TEL: 917 238 3330	INTERIORS	STUDIOS JENSEN 200 WAREHOUSES STREET NEW YORK, NY 10014 TEL: 212 475 3300



PROPERTY MARKETS GROUP
34 EAST 17TH STREET, 2ND FLOOR
NEW YORK, NY 10003
TEL: 212 694 9900

CURRENT ISSUE



111 WEST 57TH STREET
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NEW YORK, NY 10019



1	3.27.15	DOB PAA
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NO.	DATE	REVISION

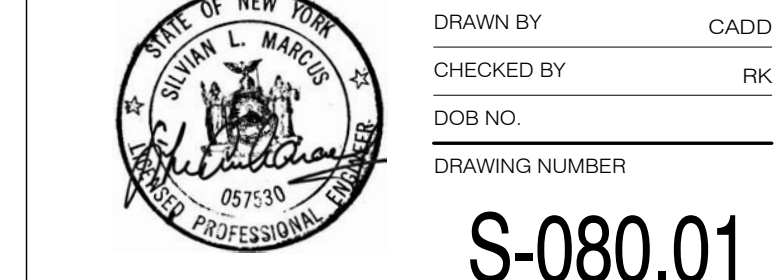
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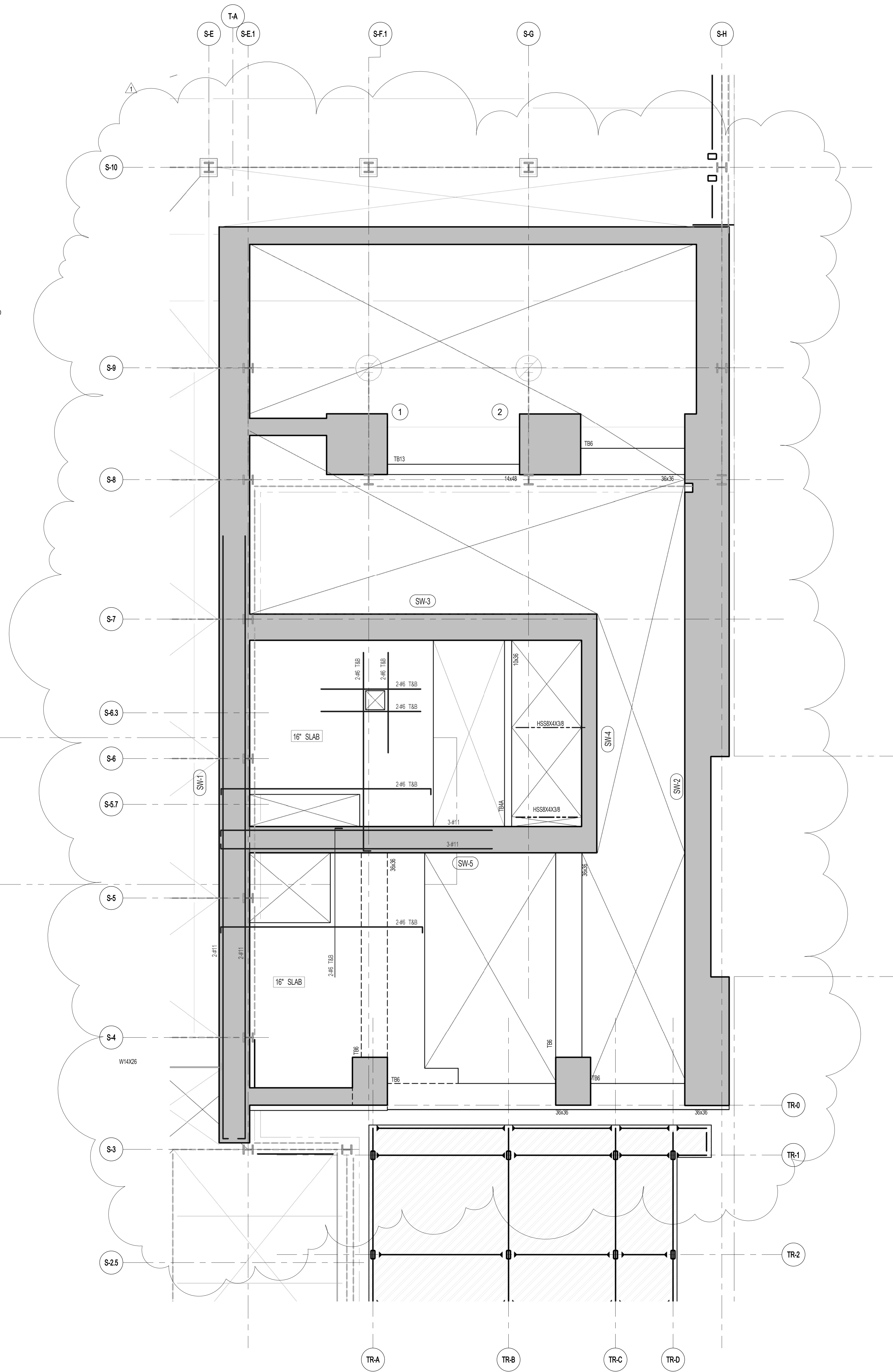
DRAWING TITLE

8TH FLOOR FRAMING PLAN

SEAL & SIGNATURE	DATE	5.1.14
	PROJECT NO.	1310180
	DRAWN BY	CADD
	CHECKED BY	PK
	DOB NO.	89178
	DRAWING NUMBER	

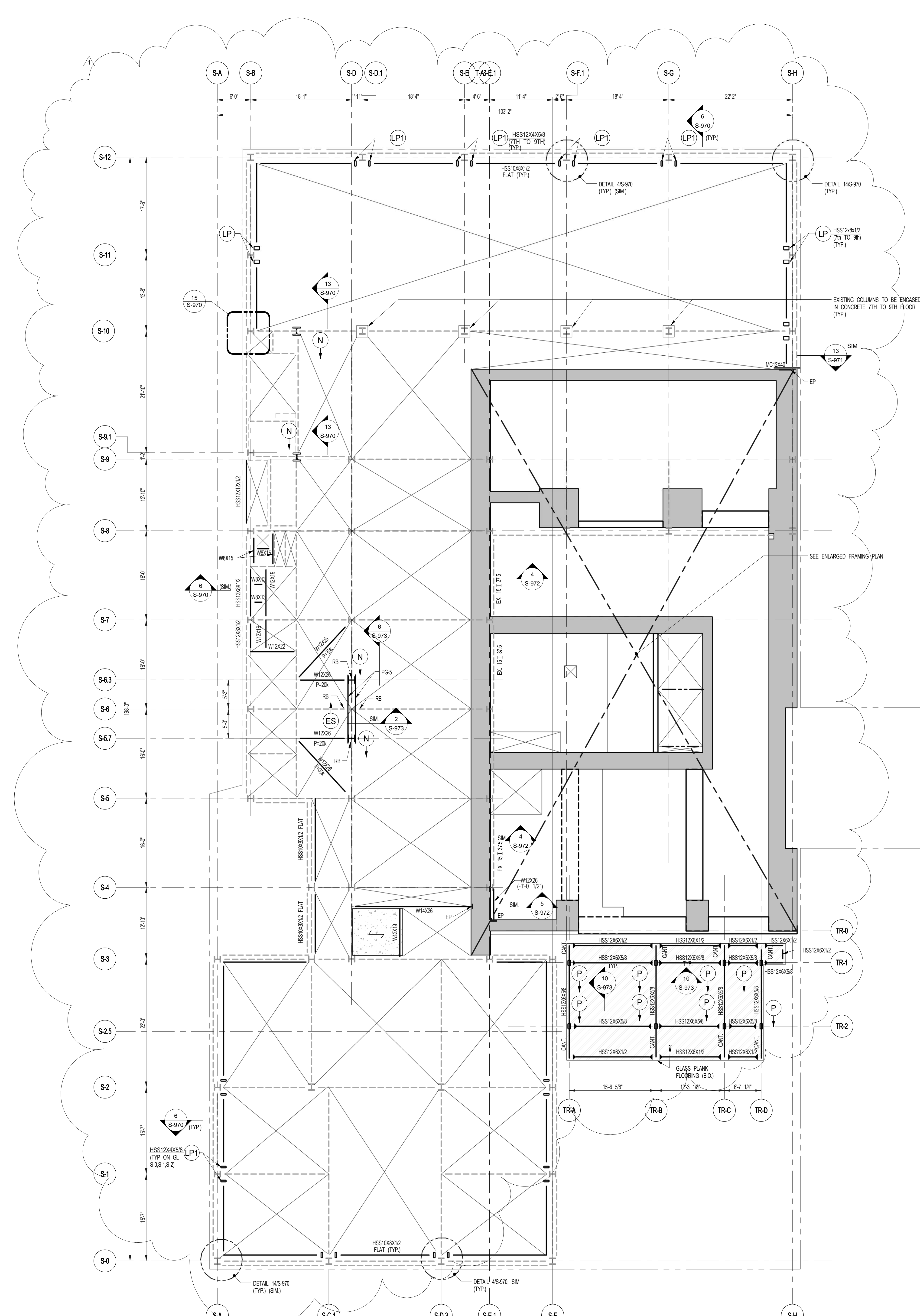


S-080.01



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

- NOTES:
- TOP OF SLAB EL. SEE ARCH. DRAWINGS
 - SLAB THICKNESS TO BE 16" UNLESS OTHERWISE NOTED ON PLAN.
 - BOTTOM & TOP REINFORCEMENT TO BE #5@10" E.W. CONTINUOUS FOR 16" SLAB
 - FOR BALANCE OF NOTES SEE DRAWING S-010.

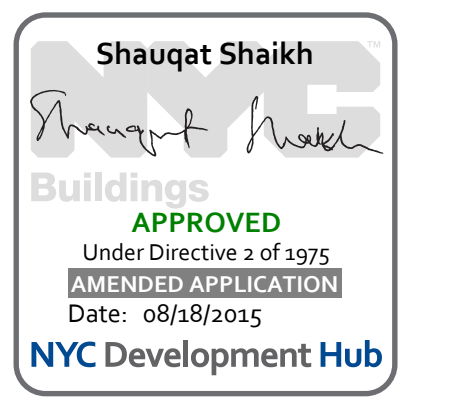


ARCHITECT SHP ARCHITECTS, P.C. 235 BROADWAY, 11TH FLOOR NEW YORK, NY 10038 TEL: 212 693 9336	FAÇADE BURROUGHS WELLS 105 BROADWAY NEW YORK, NY 10038 TEL: 212 244 2025
STRUCTURAL ENGINEER TOPIC CIVIL ENGINEERING 235 EAST 47TH STREET NEW YORK, NY 10017 TEL: 212 697 2886	MEP ENGINEER VAN DEUSEN & ASSOCIATES 8 BROADWAY, 20TH FLOOR LARKSPUR, NJ 07033 TEL: 201 983 8333
MEP ENGINEER JACOBS BALK & BOLLER 80 W. 4TH STREET, 12TH FLOOR NEW YORK, NY 10013 TEL: 212 693 8333	VERTICAL TRANSPORTATION VAN DEUSEN & ASSOCIATES 8 BROADWAY, 20TH FLOOR LARKSPUR, NJ 07033 TEL: 201 983 8333
CIVIL ENGINEER AWR ENGINEERING, P.C. 80 W. 4TH STREET, 12TH FLOOR NEW YORK, NY 10013 TEL: 212 693 8333	RESTORATION JAN HRO FOKORNY ASSOCIATES 80 W. 4TH STREET, 12TH FLOOR NEW YORK, NY 10013 TEL: 212 693 8333
ACOUSTICS LONGMAN LINDSEY 40 WEST 40TH STREET, 4TH FLOOR NEW YORK, NY 10018 TEL: 917 238 8300	GEOTECH MTC 305 WEST 40TH STREET, 4TH FLOOR NEW YORK, NY 10018 TEL: 917 238 8300
INTERIORS STUDIO SCENEFIELD 30 W. 40TH STREET NEW YORK, NY 10018 TEL: 212 693 3000	LIGHTING CONSERVATORIE INTERNATIONAL 105 WALKER STREET, 7TH FLOOR EAST NEW YORK, NY 10002 TEL: 212 251 4453



PROPERTY MARKETS GROUP
1345 4TH AVENUE, 2ND FLOOR
NEW YORK, NY 10010
TEL: 212 693 9336

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111 WEST 57TH STREET
NEW YORK, NY 10019



1	3.27.15	DOB PAA
	5.1.14	DOB PLING SET

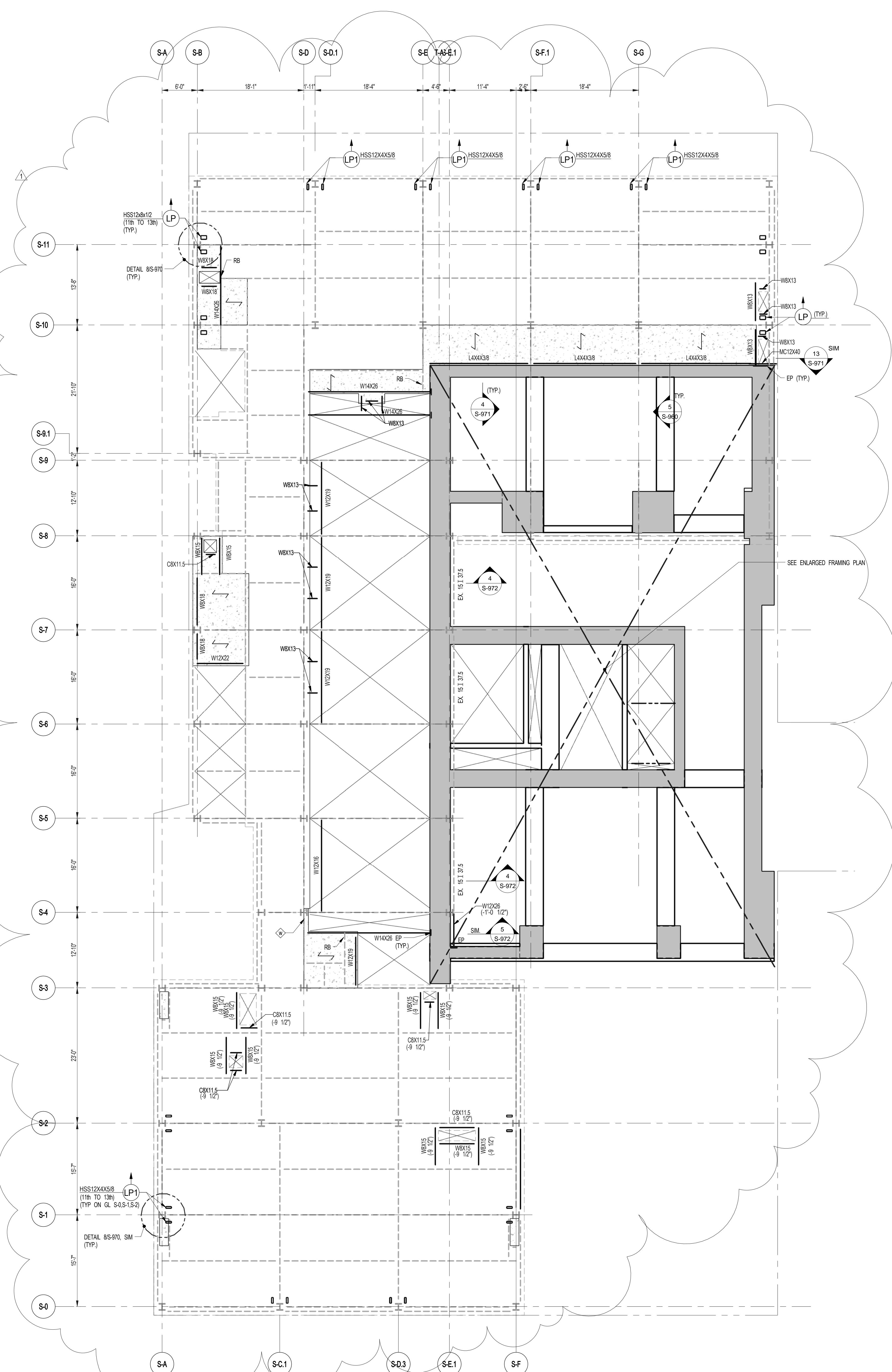
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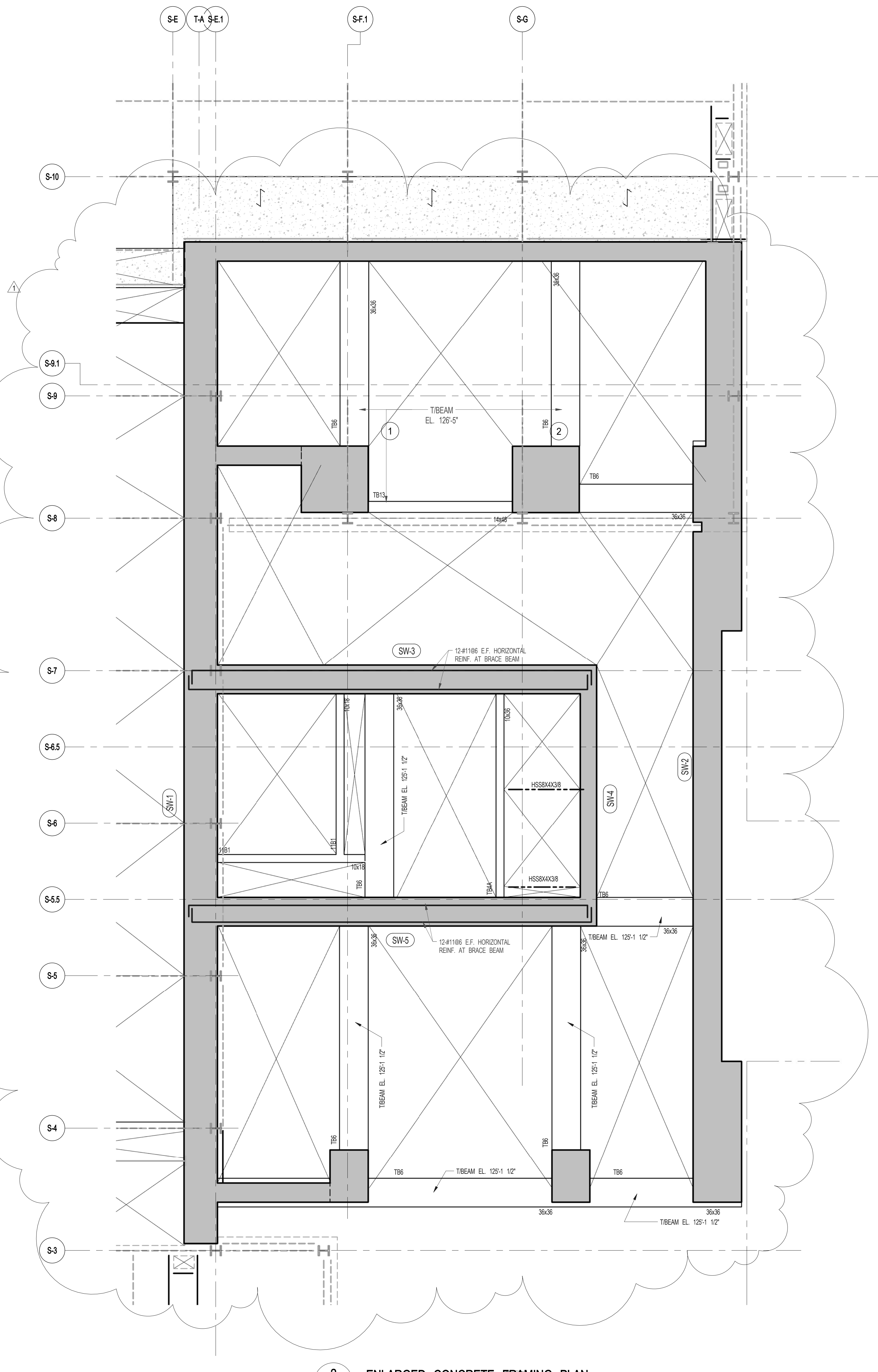
DRAWING TITLE
11TH FLOOR FRAMING PLAN

SEAL & SIGNATURE DATE 5.1.14
PROJECT NO. 1310180
DRAWN BY CAD
CHECKED BY RK
DOB NO. 09157
DRAWING NUMBER
S-110.01



1 11TH FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

- NOTES
- INDICATES NEW SLAB CONSTRUCTION. SEE SECT. 35-861
 - ELEVATION SHOWN THIS (-) INDICATES TIE-BAR ELEVATION ABOVE TISLAB.
 - FOR ADDITIONAL NOTES AND LEGEND SEE DRAWING F001.
 - INSTALL 3/8" x 2" LONG OVER DECK SHEAR CONNECTORS @ 1'-0" OC ON ALL NEW BEAMS WITH NEW DECK U/L/D.
 - FOR OPENINGS DIMENSIONS SEE ARCH DWG.



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

BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS			REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SIZE	SPACING	
11B1	10	18	2-#8	2-#6		1	#3	@6	

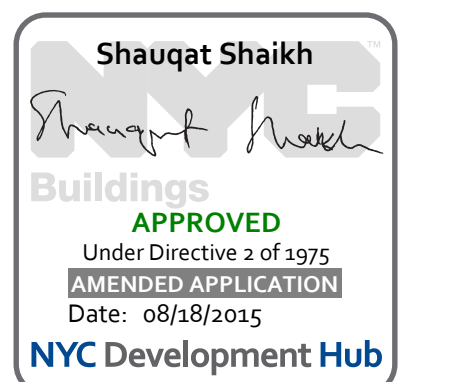
TYPE 1

ARCHITECT	SHAP ARCHITECTS, P.C. 235 BROADWAY, 11TH FLOOR NEW YORK, NY 10007 TEL: 212 889 9300
STRUCTURAL ENGINEER	YUSEF GANTOUB & PARTNERS 235 EAST 47TH STREET NEW YORK, NY 10017 TEL: 212 889 9300
MEP ENGINEER	JARVIS, BALAM & SCILLES 80 WING STREET, 12TH FLOOR NEW YORK, NY 10003 TEL: 212 889 9300
CIVIL ENGINEER	AWR ENGINEERING, P.C. 400 WEST 46TH STREET, 17TH FLOOR NEW YORK, NY 10018 TEL: 212 889 9300
ACOUSTICIAN	LONGMAN LINDSEY 40 WEST 57TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212 889 9300
INTERIORS	STUDIO SCENEFIELD 80 LAURETTE STREET NEW YORK, NY 10007 TEL: 212 889 9300
FAÇADE	BURTON HARRFIELD 105 BROADWAY NEW YORK, NY 10003 TEL: 212 889 9300
VERTICAL TRANSPORTATION	VAN DEUSEN & ASSOCIATES 80 WING STREET, SUITE 204 LARKSPUR, NJ 07033 TEL: 212 889 9300
RESTORATION	JAN HRO FOKORNY ASSOCIATES 80 WEST 57TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212 889 9300
GEOTECH	MTC 305 WEST 57TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212 889 9300
LIGHTING	CONSERVATIVE INTERNATIONAL 105 WALKER STREET, 7TH FLOOR EAST NEW YORK, NY 10002 TEL: 212 889 9300



PROPERTY MARKETS GROUP
 340 WEST 4TH STREET, 4TH FLOOR
 NEW YORK, NY 10014
 TEL: 212 889 9300

CURRENT ISSUE



111 WEST 57TH STREET
 111 WEST 57TH STREET
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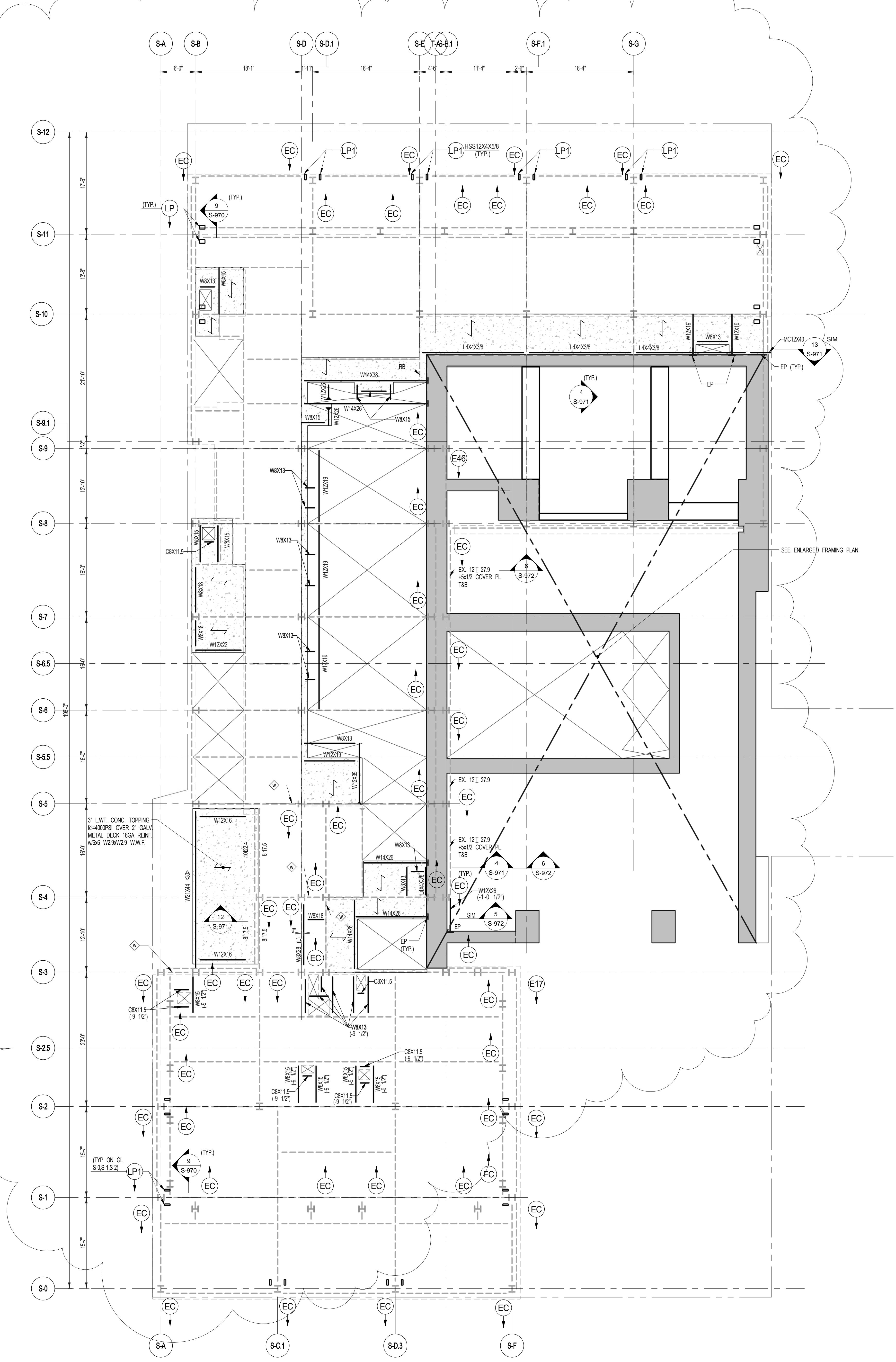
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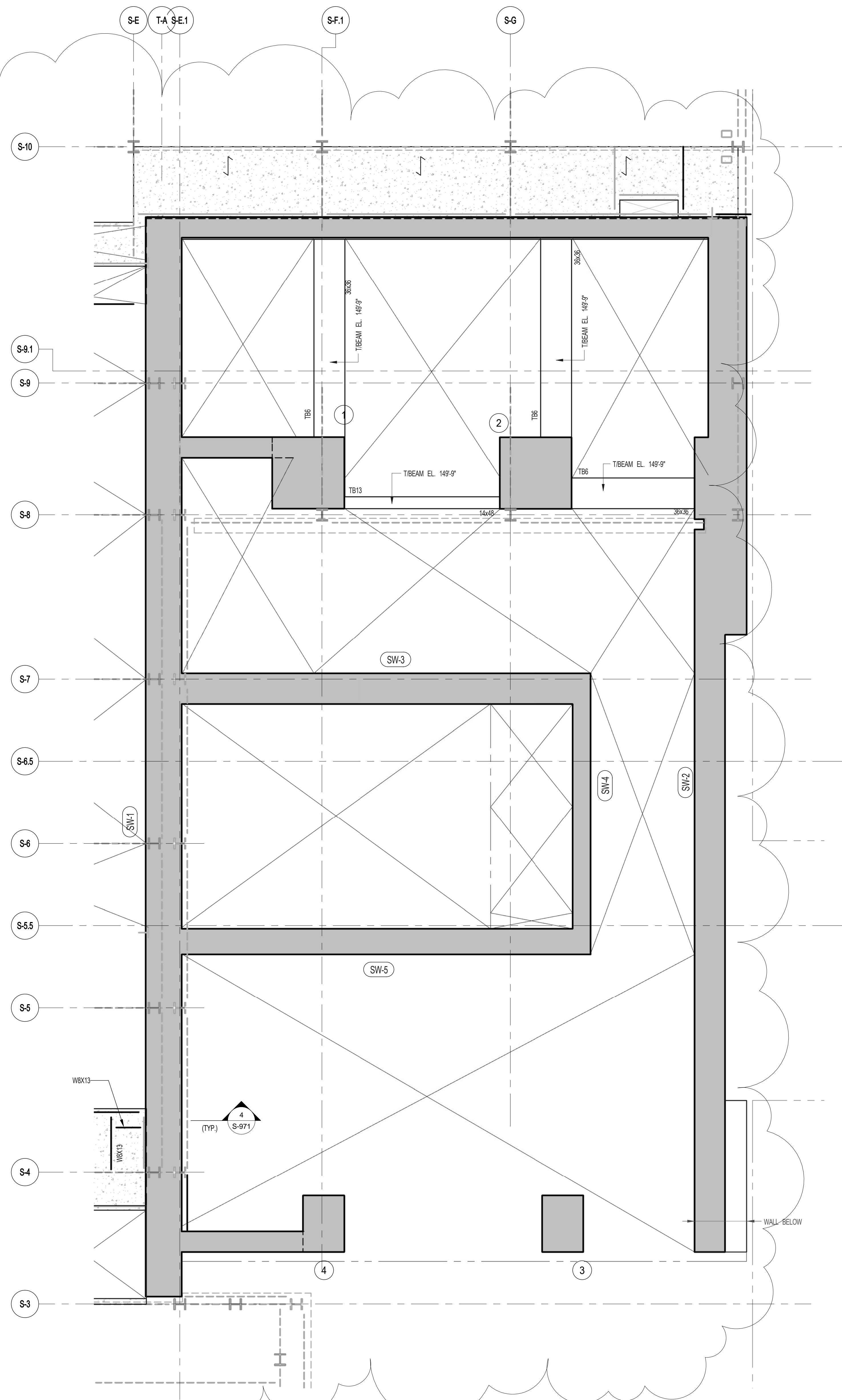
13TH FLOOR FRAMING PLAN

SEAL & SIGNATURE	DATE	5.1.14
	PROJECT NO.	1310180
	DRAWN BY	CADD
	CHECKED BY	PK
	DOB NO.	09157
	DRAWING NUMBER	S-130.01

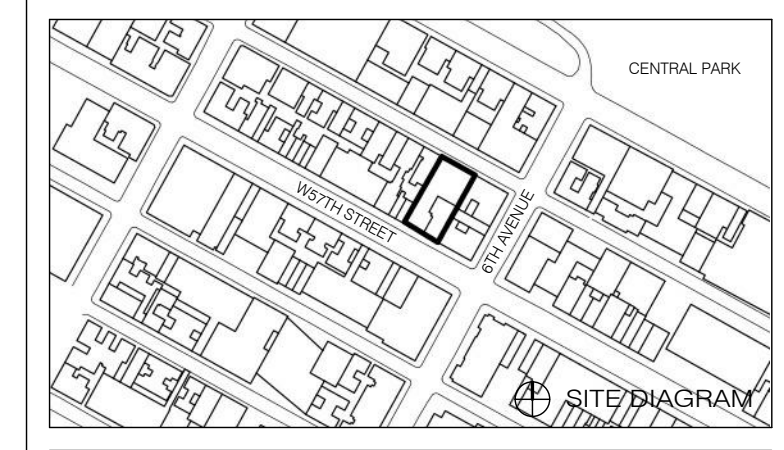
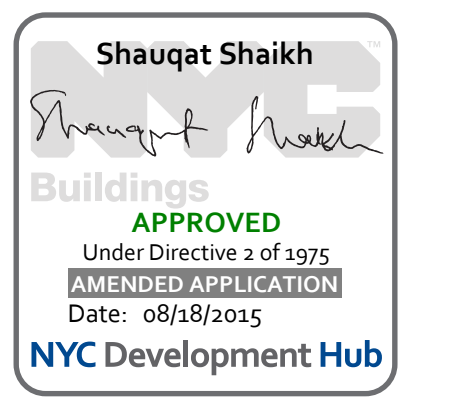


1 13TH FLOOR FRAMING PLAN
 S-130 SCALE: 1/8" = 1'-0"

- NOTES:
- INDICATES NEW SLAB CONSTRUCTION. SEE SECT. 30-601
 - ELEVATION SHOWN THIS (---) INDICATES STEEL ELEVATION ABOVE TSLAB
 - FOR ADDITIONAL NOTES AND LEGENDS SEE DRAWING P001
 - INSTALL 3/4" x 7" LONG OVER DECK SHEAR CONNECTORS @ 1'-0" OC ON ALL NEW BEAMS WITH NEW DECK. U.O.N.
 - FOR OPENINGS DIMENSIONS SEE ARCH DWG.

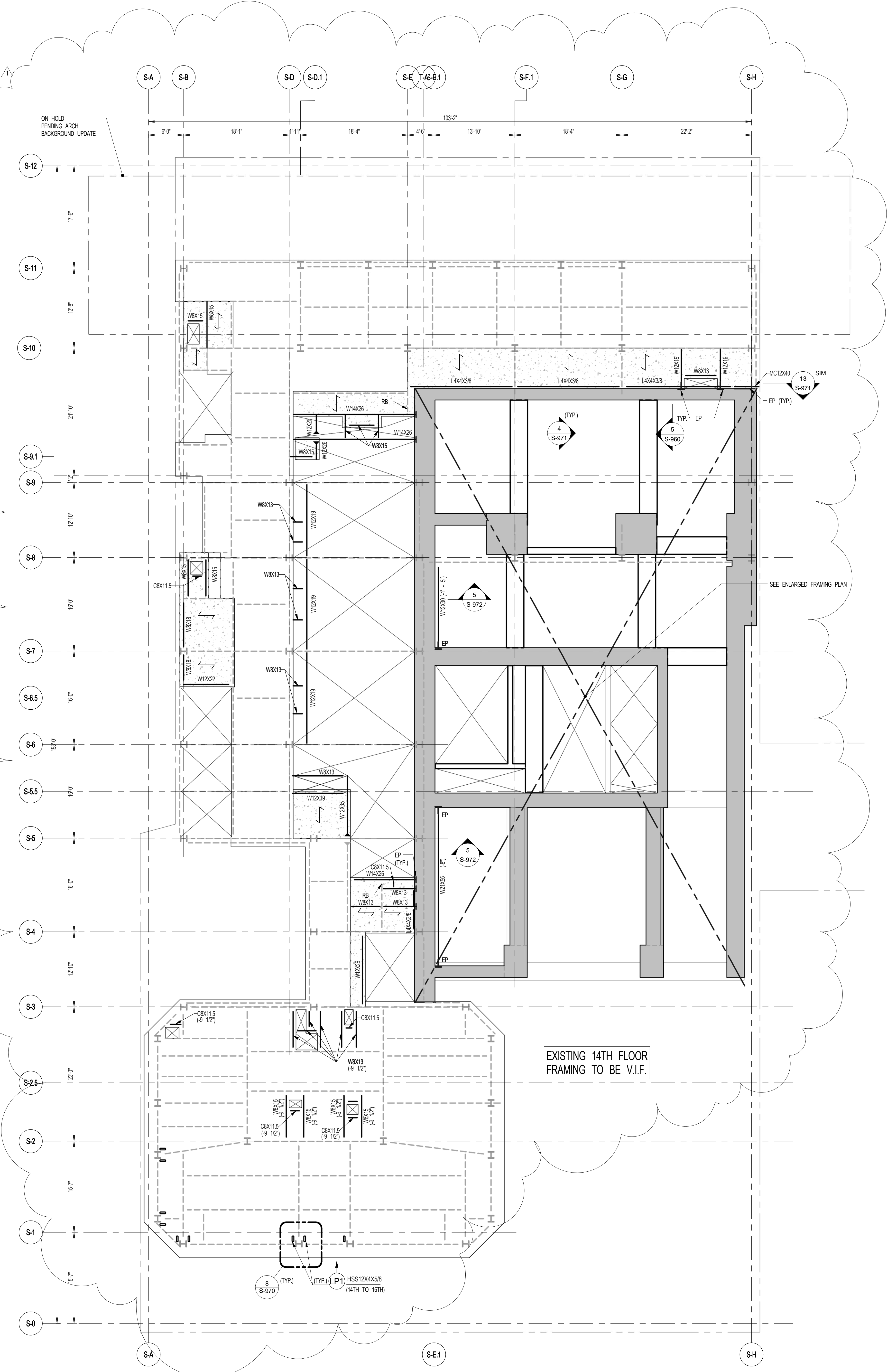


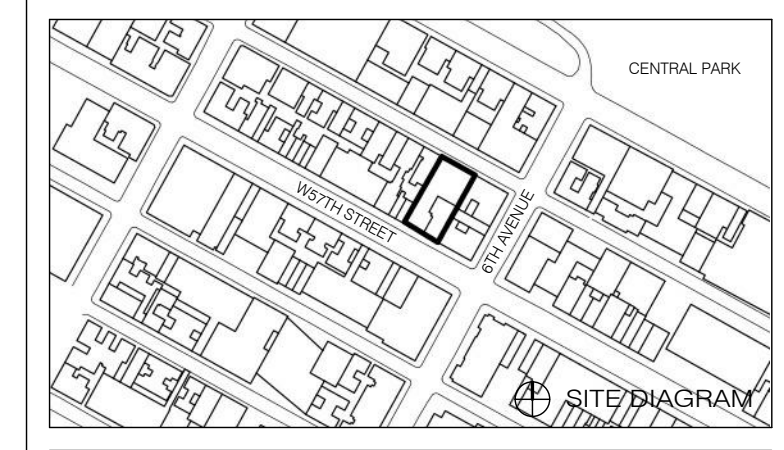
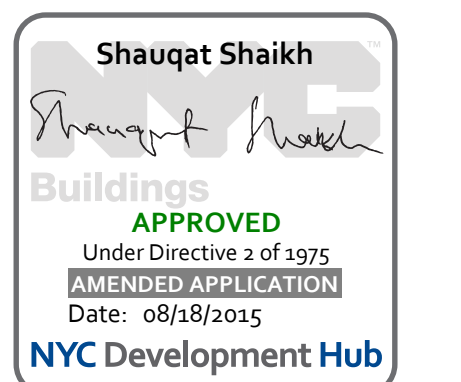
2 ENLARGED CONCRETE FRAMING PLAN
 S-130 SCALE: 3/16" = 1'-0"



NO.	DATE	REVISION
1	3/27/15	DOB PAA
1	5/1/14	DOB PLUNG SET

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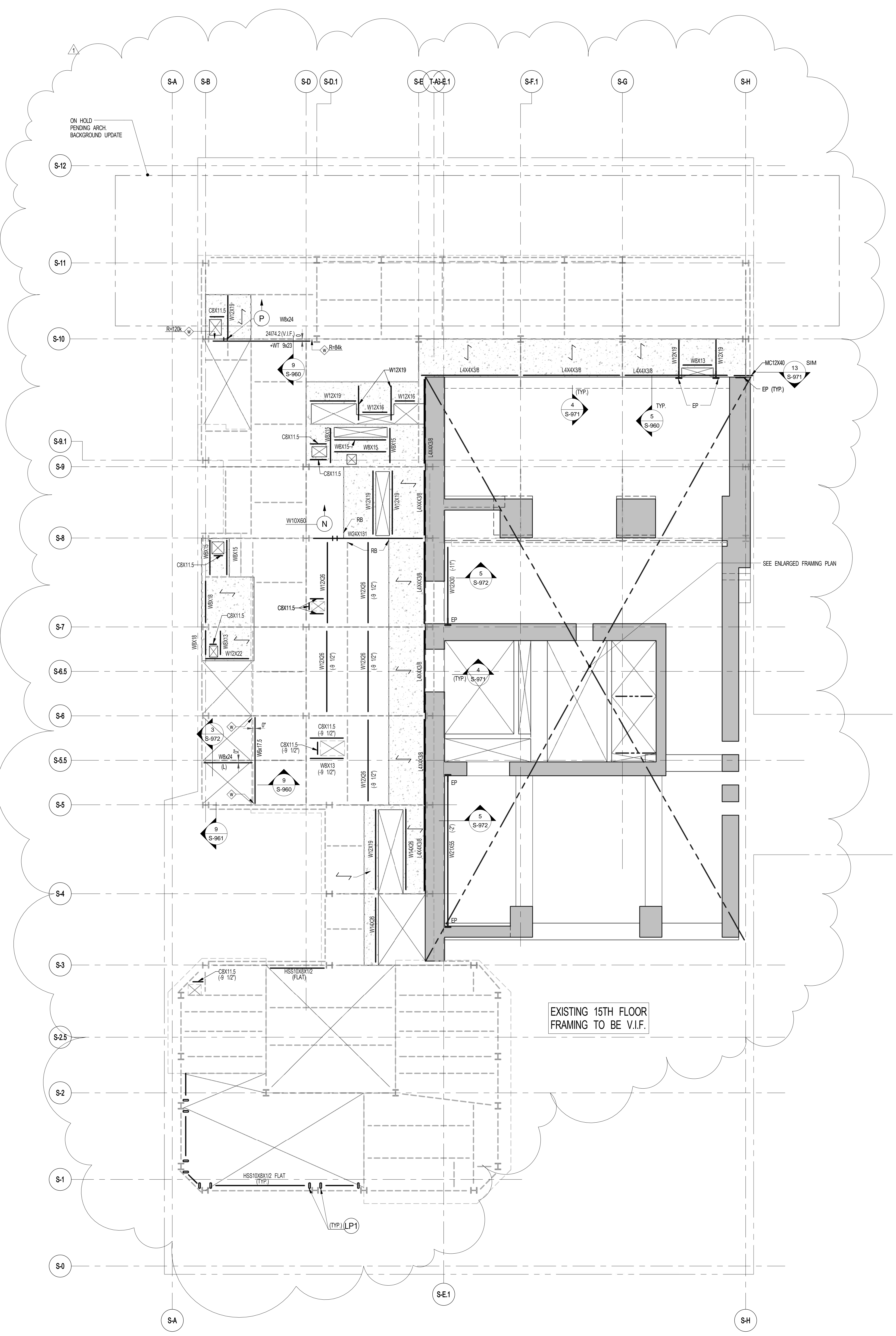


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	5.1.14	DOB FLNG SET
NO.	DATE	REVISION

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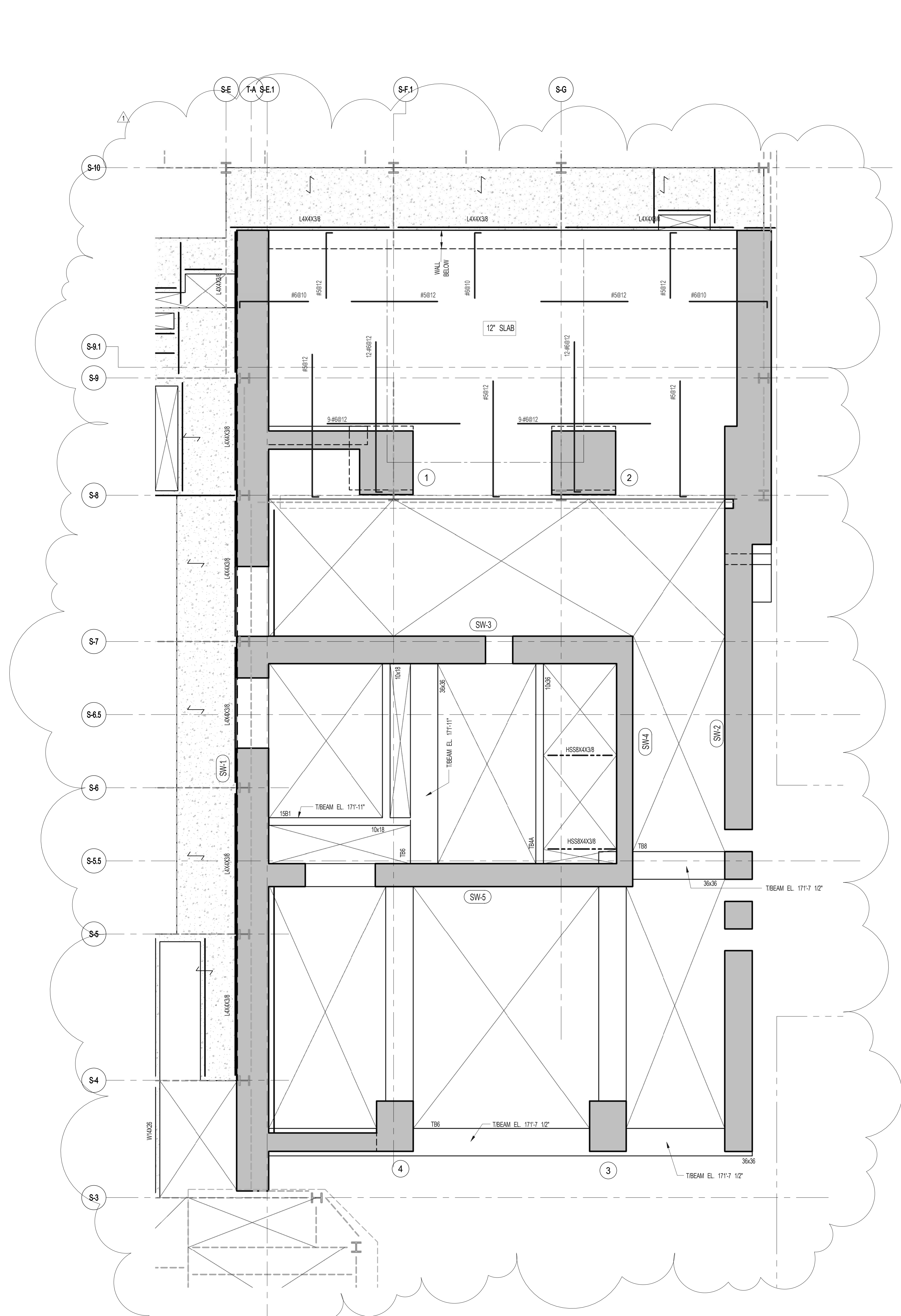
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SEAL & SIGNATURE	DATE	5.1.14
	PROJECT NO.	1310180
	DRAWN BY	CADD
	CHECKED BY	PK
	DOB NO.	09175
	DRAWING NUMBER	S-150.01



1 15TH FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

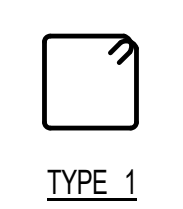
- NOTES:
- INDICATES NEW SLAB CONSTRUCTION. SEE SECT. 35/81
 - ELEVATION SHOWN THIS (-) INDICATES TIE-BELT ELEVATION ABOVE TSLAB
 - FOR ADDITIONAL NOTES AND LEGEND SEE DRAWING F001
 - INSTALL WITH 2" LONG OVER DECK SHEAR CONNECTORS @ 12" ON ALL NEW BEAMS WITH NEW DECK, U.O.N.
 - LOAD BEARING MASONRY WALL TO HAVE MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI. MASONRY UNITS SHALL BE LIGHT WEIGHT HOLLOW CONCRETE. PROVIDE VERTICAL REINFORCEMENT W/RS10 AND HORIZONTAL W/TRUSS @ 1600" FOR BALANCE INFORMATION SEE DWG. S-98
 - FOR OPENINGS DIMENSIONS SEE ARCH DWGS.



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

- NOTES:
- TOP OF SLAB IS. SEE ARCH DRAWINGS
 - SLAB THICKNESS TO BE 12" U.O.N. THIS ON PLAN
 - BOTTOM REINFORCEMENT TO BE W/RS2-E.W. CONTINUOUS FOR 12" SLAB
 - FOR BALANCE OF NOTES SEE DRAWING S-98

BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS			REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TOP ADD'L BARS AT SUPPORT	TYPE	SIZE	SPACING	
15B1	10	18	2-#6	2-#6		1	#3	@6	



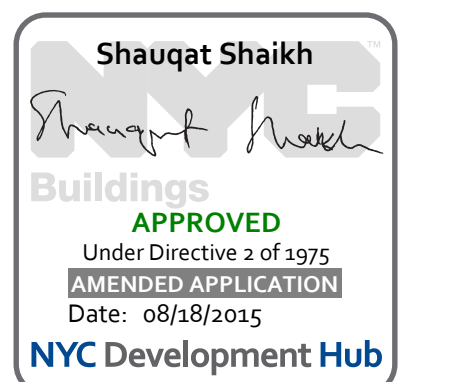
TYPE 1

ARCHITECT	SHAP ARCHITECTS, P.C. 235 BROADWAY, 11TH FLOOR NEW YORK, NY 10007 TEL: 212.850.3600	FAÇADE	SHAP ARCHITECTS, P.C. 235 BROADWAY, 11TH FLOOR NEW YORK, NY 10007 TEL: 212.850.3600
MEP ENGINEER	YUSUF GANTON BERKOW 235 EAST 47TH STREET NEW YORK, NY 10017 TEL: 212.850.3600	RESTORATION	SHAP ARCHITECTS, P.C. 235 BROADWAY, 11TH FLOOR NEW YORK, NY 10007 TEL: 212.850.3600
STRUCTURAL ENGINEER	SHAP ARCHITECTS, P.C. 235 BROADWAY, 11TH FLOOR NEW YORK, NY 10007 TEL: 212.850.3600	VERTICAL TRANSPORTATION	SHAP ARCHITECTS, P.C. 235 BROADWAY, 11TH FLOOR NEW YORK, NY 10007 TEL: 212.850.3600
MEP ENGINEER	JARVIS, BALM & BOLLER 80 WEST STREET, 12TH FLOOR NEW YORK, NY 10006 TEL: 212.850.3600	RESTORATION	JAN HIND FOKORNY ASSOCIATES 80 WEST STREET, 12TH FLOOR NEW YORK, NY 10006 TEL: 212.850.3600
CIVIL ENGINEER	SHAP ARCHITECTS, P.C. 235 BROADWAY, 11TH FLOOR NEW YORK, NY 10007 TEL: 212.850.3600	GEOTECH	LONGMAN LINDSEY 40 WEST 57TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212.850.3600
ACOUSTICIAN	LONGMAN LINDSEY 40 WEST 57TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212.850.3600	INTERIORS	SHAP ARCHITECTS, P.C. 235 BROADWAY, 11TH FLOOR NEW YORK, NY 10007 TEL: 212.850.3600
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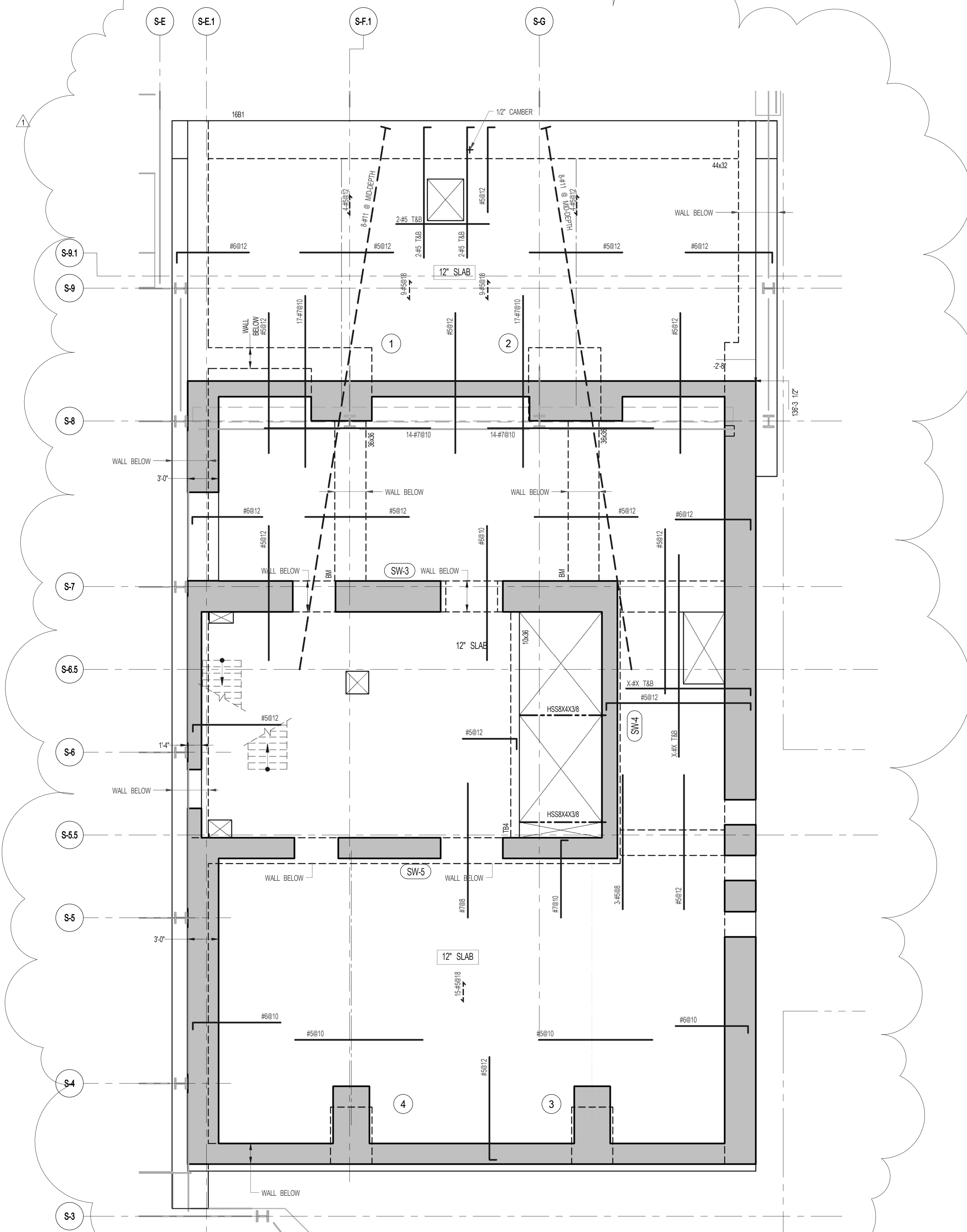
1	3.27.15	DOB PAA
1	5.1.14	DOB PLING SET
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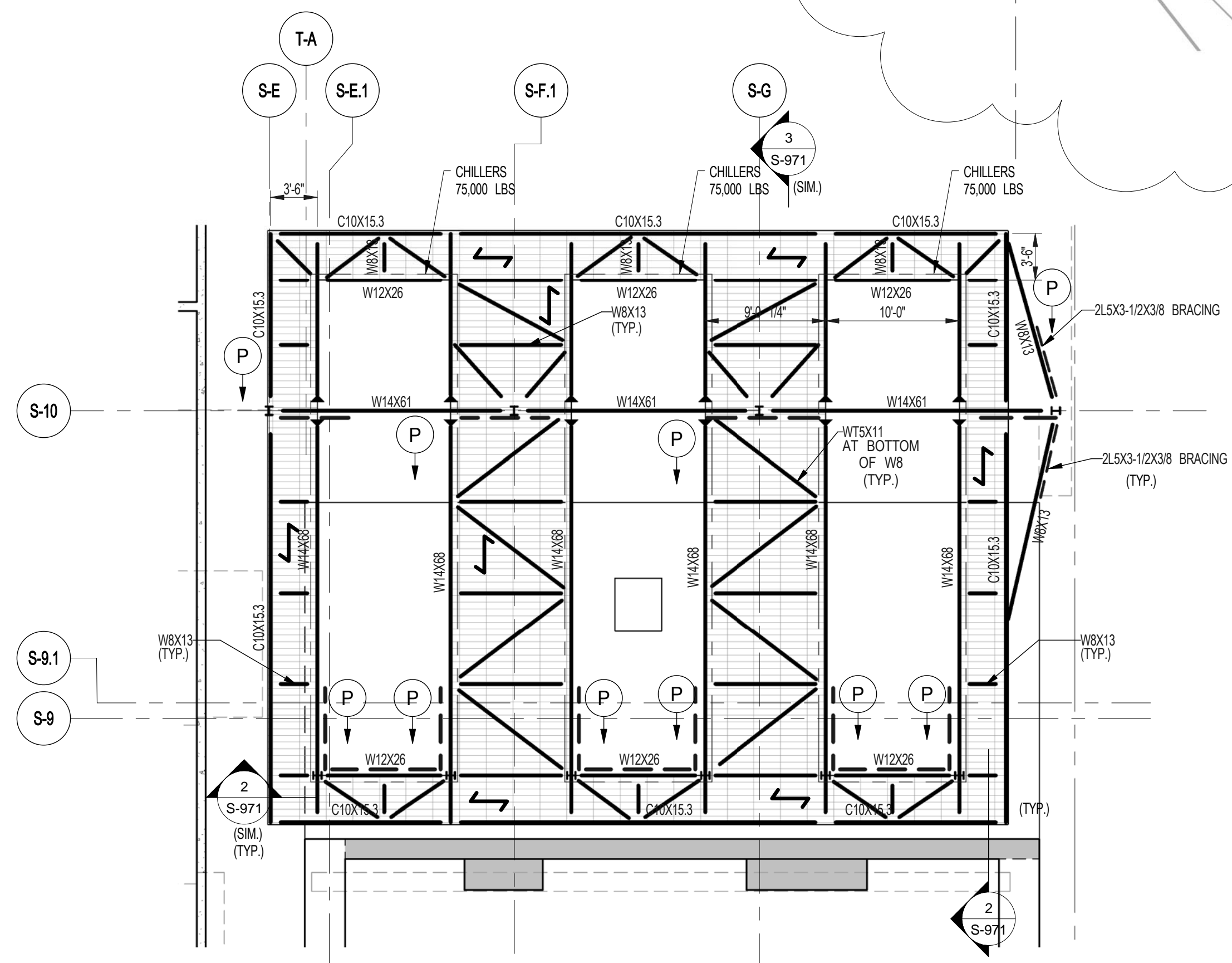
16TH FLOOR FRAMING PLAN

SEAL & SIGNATURE	DATE	5.1.14
	PROJECT NO.	1310180
	DRAWN BY	CADD
	CHECKED BY	PK
	DOB NO.	8975
	DRAWING NUMBER	S-160.01



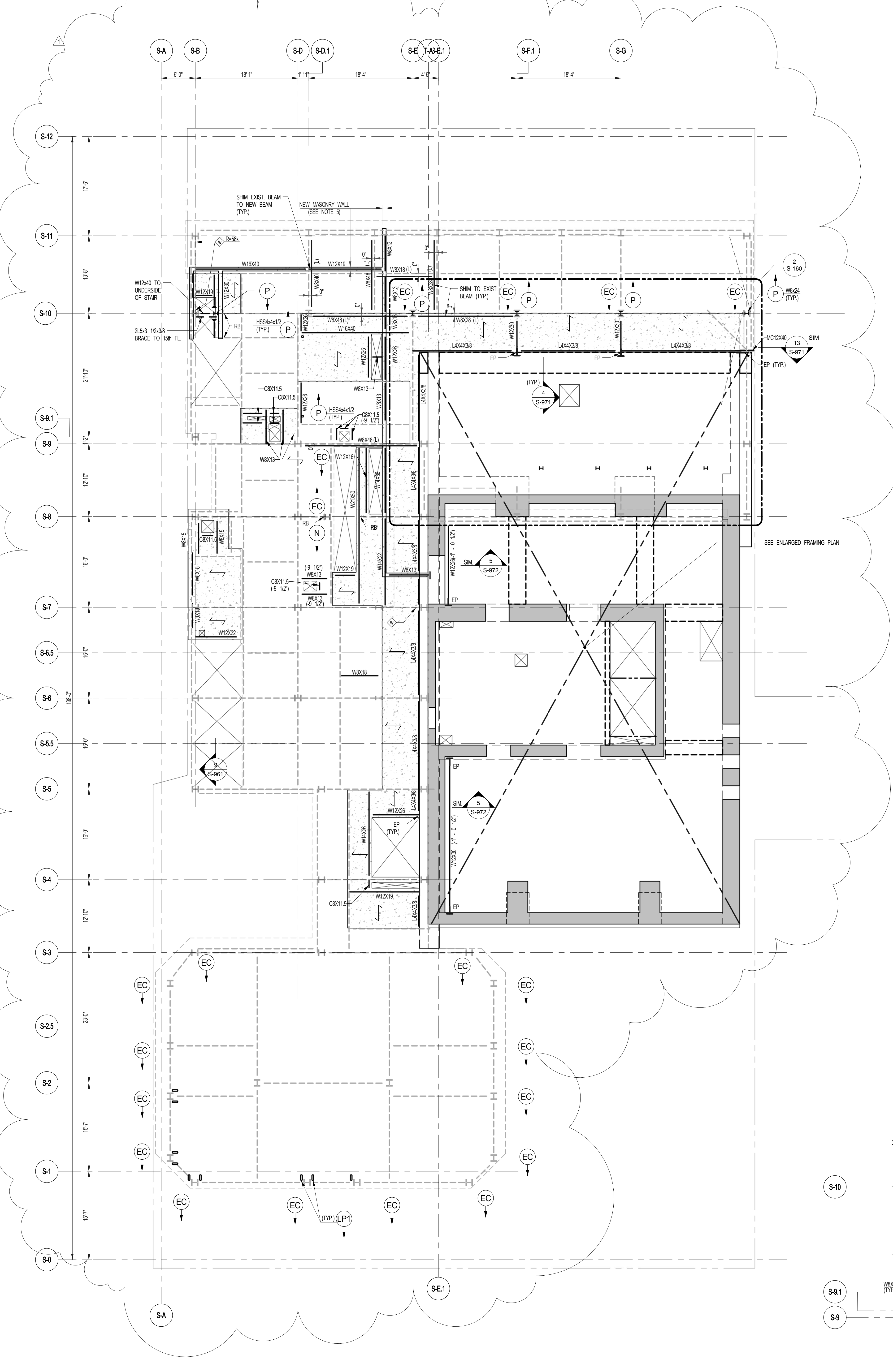
3 ENLARGED CONCRETE FRAMING PLAN
SCALE: 3/16" = 1'-0"

- NOTES
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS
 2. SLAB THICKNESS TO BE 12" UNLESS OTHERWISE NOTED ON PLAN
 3. BOTTOM REINFORCEMENT TO BE #5012 E.W. CONTINUOUS FOR 12" SLAB
 4. FOR BALANCE OF NOTES SEE DRAWING S-010



2 16TH FLOOR DUNNAGE FRAMING PLAN
SCALE: 1/8" = 1'-0"

- NOTES
1. (P) INDICATES WBX4
 2. ALL STEEL TO BE HD. GALVANIZED
 3. FOR ADDITIONAL NOTES AND LEGEND SEE DRAWING S-001



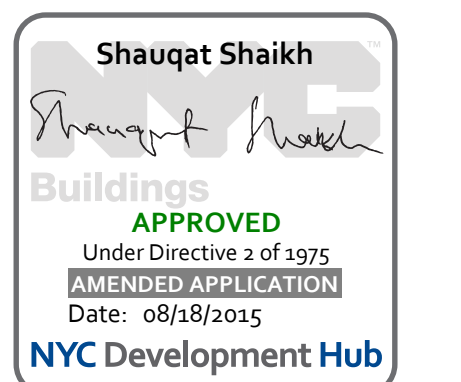
1 16TH FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"

- NOTES
1. INDICATES NEW SLAB CONSTRUCTION TO BE 3" W/ 1" W/ CONCRETE TOPPING FINISHED AS AT 20 DAYS MAXIMUM EXISTING SLAB ELEVATION OVER 3" GALV. METAL DECK 18 GA. (TOTAL DEPTH 6 1/4") REIN. W/ #4@12" O.C. W/ W/ U.O.N. SEE ALSO SECT. S-160
 2. ELEVATION SHOWN THIS (-) INDICATES TOTAL ELEVATION ABOVE T.SLAB. FOR ADDITIONAL NOTES AND LEGEND SEE DRAWING S-001
 3. INITIAL 54" x 6" x 12" LONG AFTER HOLDING SHEAR CONNECTORS @ 1' O.C. ON ALL NEW BEAMS U.O.N.
 4. LOAD BEARING MASONRY WALL TO HAVE MINIMUM COMPRESSIVE STRENGTH OF 1500 PSI. MASONRY UNITS SHALL BE LIGHT WEIGHT HOLLOW CONCRETE. PROVIDE VERTICAL REINFORCEMENT W/ #6 @ 18" O.C. AND HORIZONTAL W/ #6 @ 18" O.C. FOR BALANCE INFORMATION SEE DWG. S-001
 5. FOR OPENINGS DIMENSIONS SEE ARCH. DWGS.

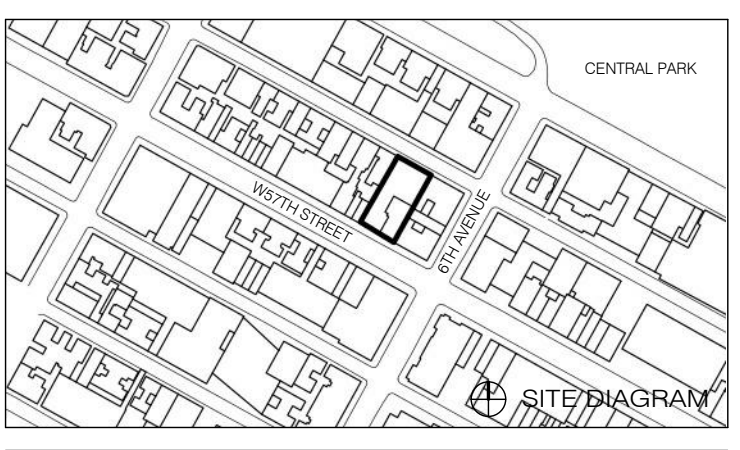
ARCHITECT	SHAP ARCHITECTS, P.C. 228 BROADWAY, 11TH FLOOR NEW YORK, NY 10004 TEL: 212 880 3000
STRUCTURAL ENGINEER	SHAP ARCHITECTS, P.C. 228 BROADWAY, 11TH FLOOR NEW YORK, NY 10004 TEL: 212 880 3000
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LIGHTING	CONSERVATORIE INTERNATIONAL 100 WALKER STREET, 7TH FLOOR EAST NEW YORK, NY 10002 TEL: 212 255 4453



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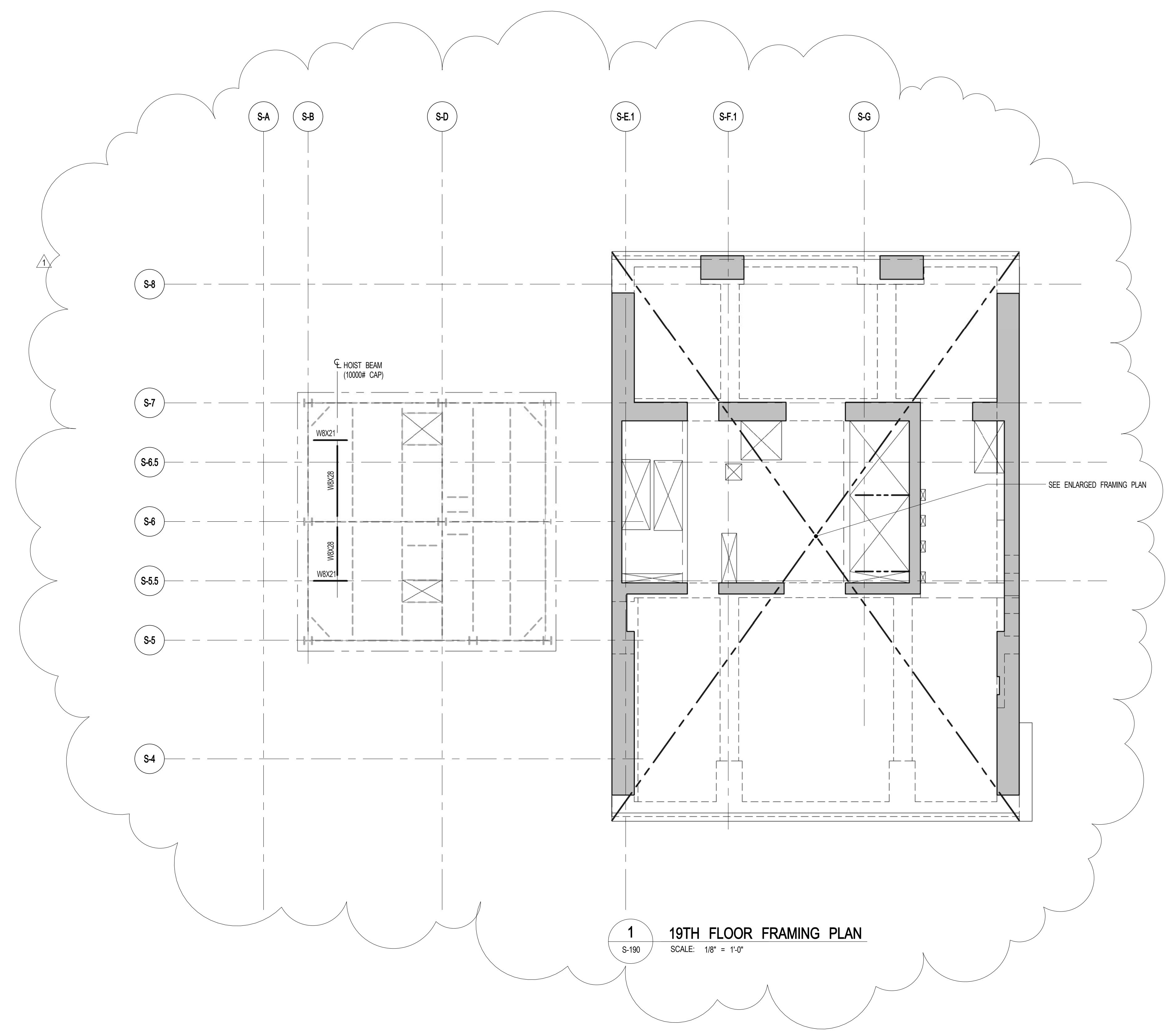


1	3.27.15	DOB PAA
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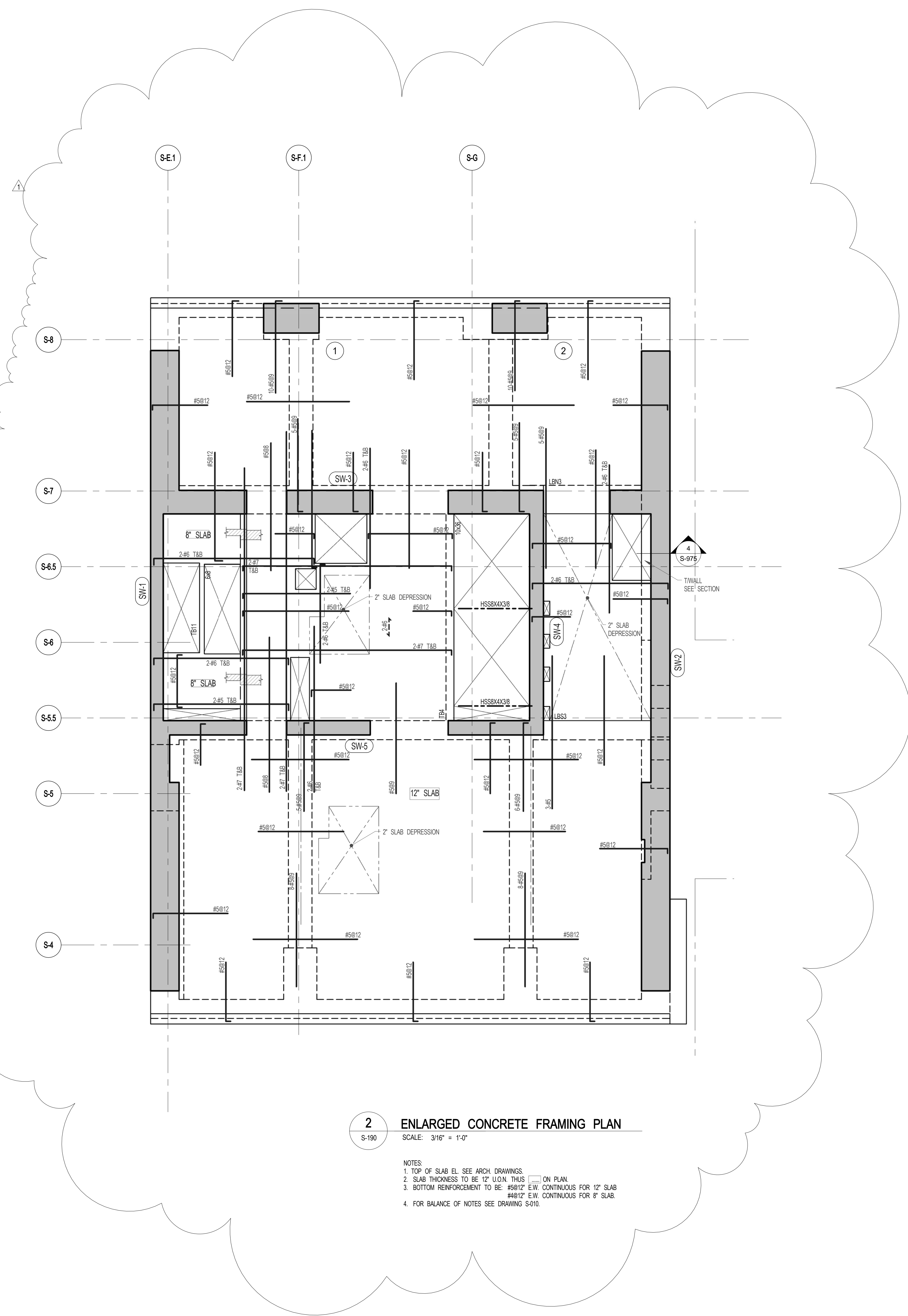
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19TH FLOOR FRAMING PLAN

SEAL & SIGNATURE	DATE	5.1.14
	PROJECT NO.	1310180
	DRAWN BY	Author
	CHECKED BY	Checker
	DOB NO.	09757
	DRAWING NUMBER	S-190.01



1 19TH FLOOR FRAMING PLAN
SCALE: 1/8" = 1'-0"



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

- NOTES:
- TOP OF SLAB EL. SEE ARCH. DRAWINGS.
 - SLAB THICKNESS TO BE 12" U.O.N. THIS ON PLAN.
 - BOTTOM REINFORCEMENT TO BE #5@12" E.W. CONTINUOUS FOR 12" SLAB. #8@12" E.W. CONTINUOUS FOR 8" SLAB.
 - FOR BALANCE OF NOTES SEE DRAWING S-200.

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NY 614.882.4000

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JAN HIRSHKOPFFNY ASSOCIATES
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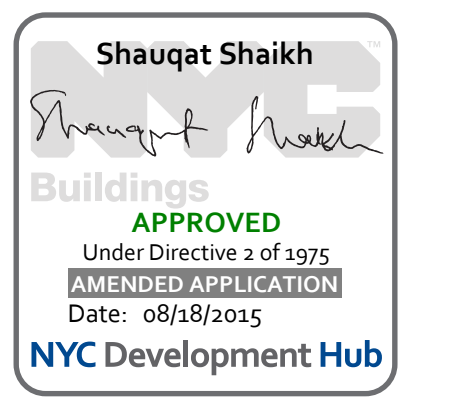
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MPC
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LIGHTING
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100 MARSHFIELD STREET
NEW YORK, NY 10002
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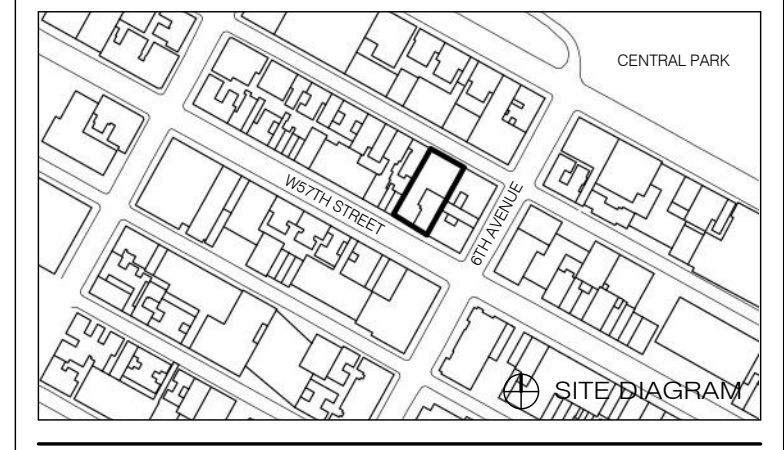


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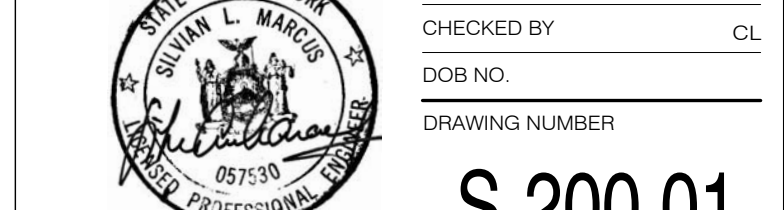
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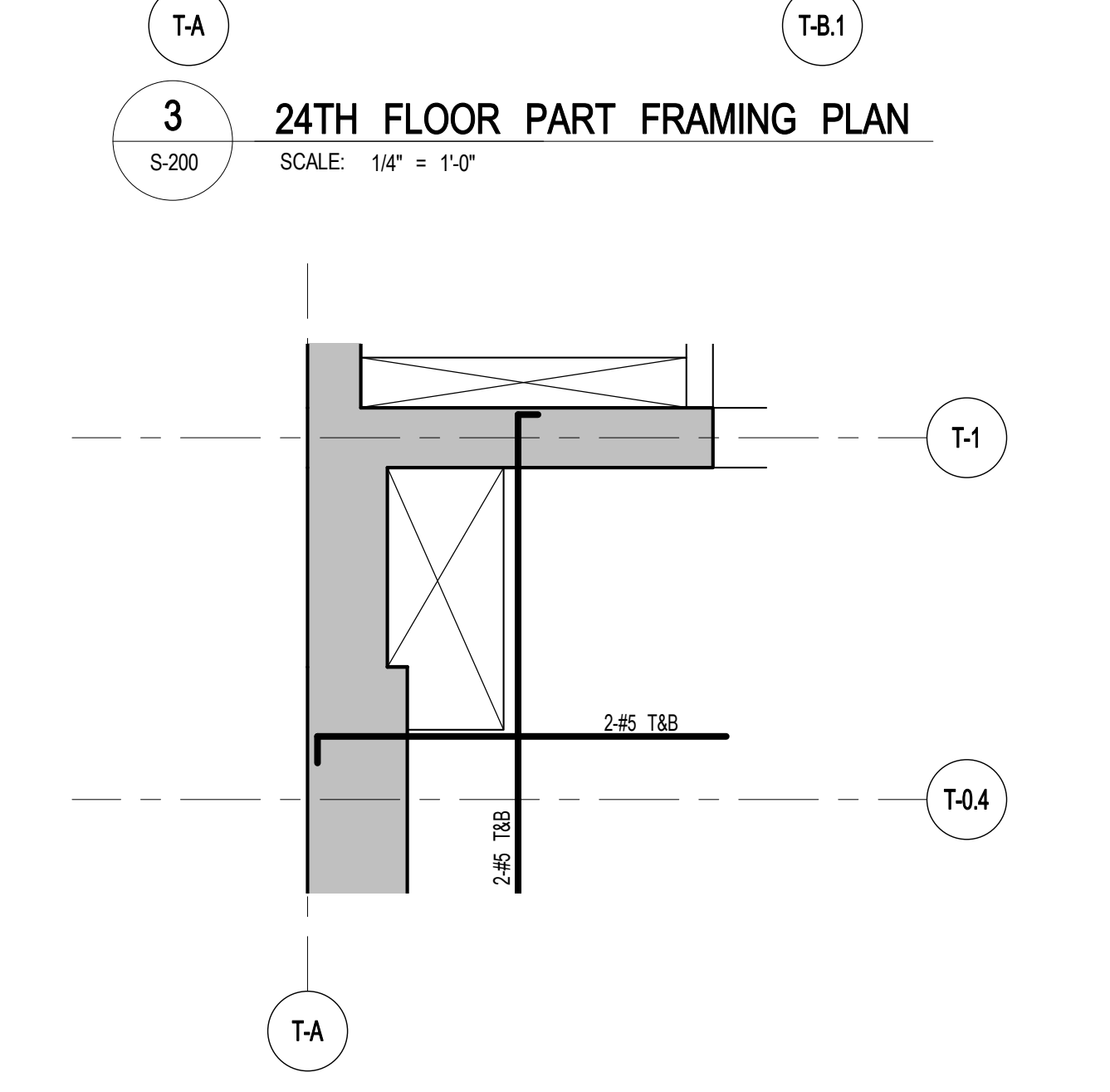
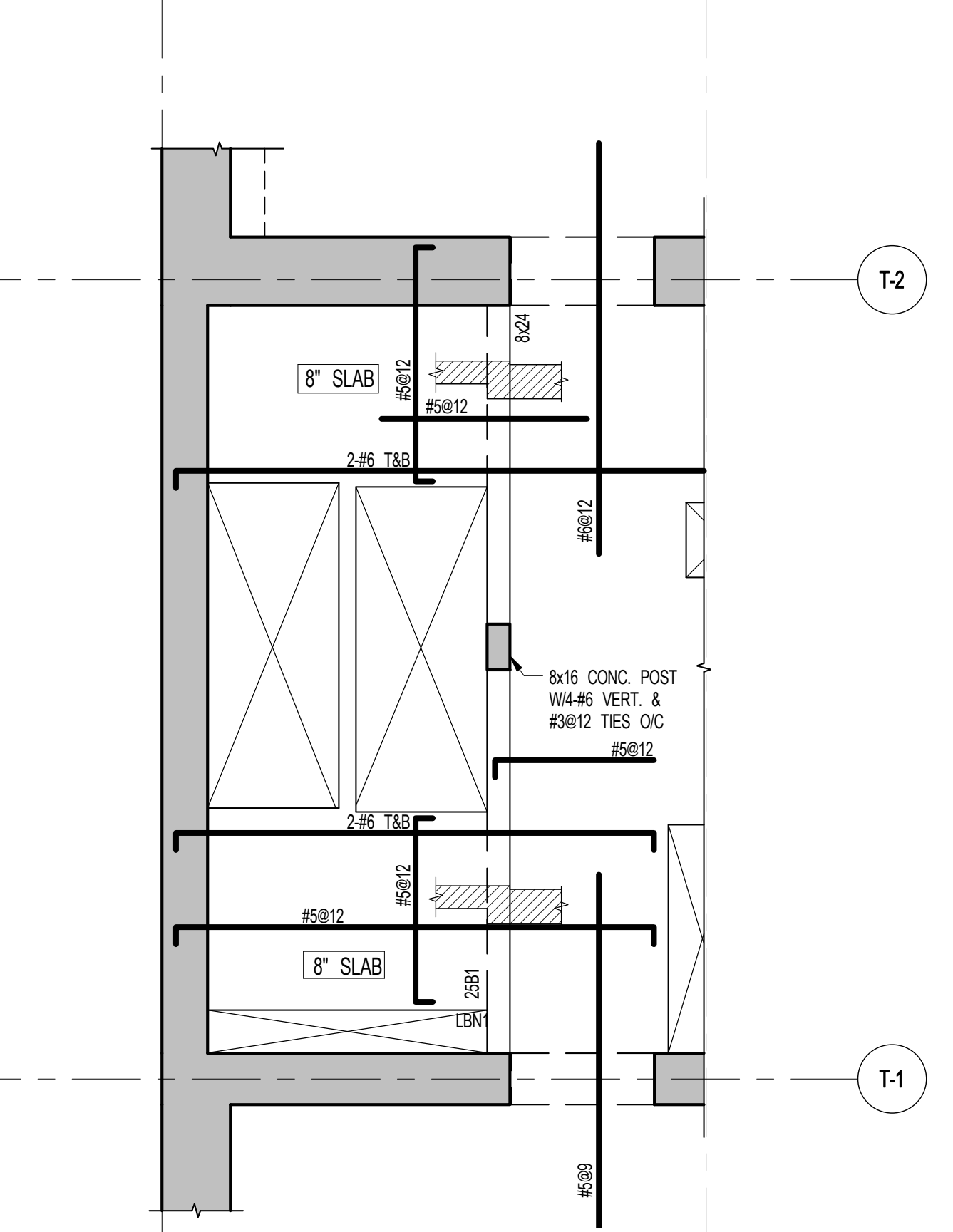
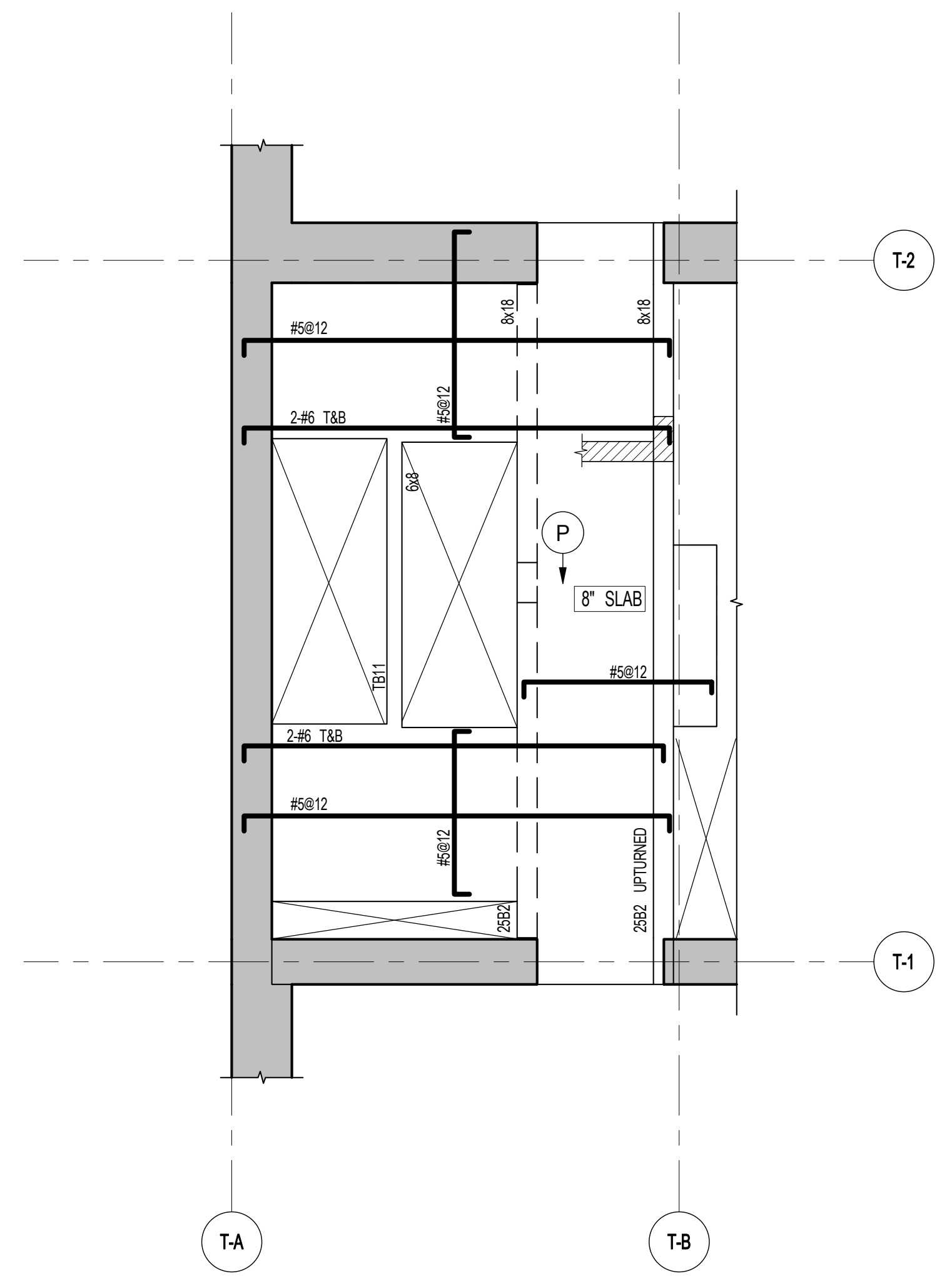
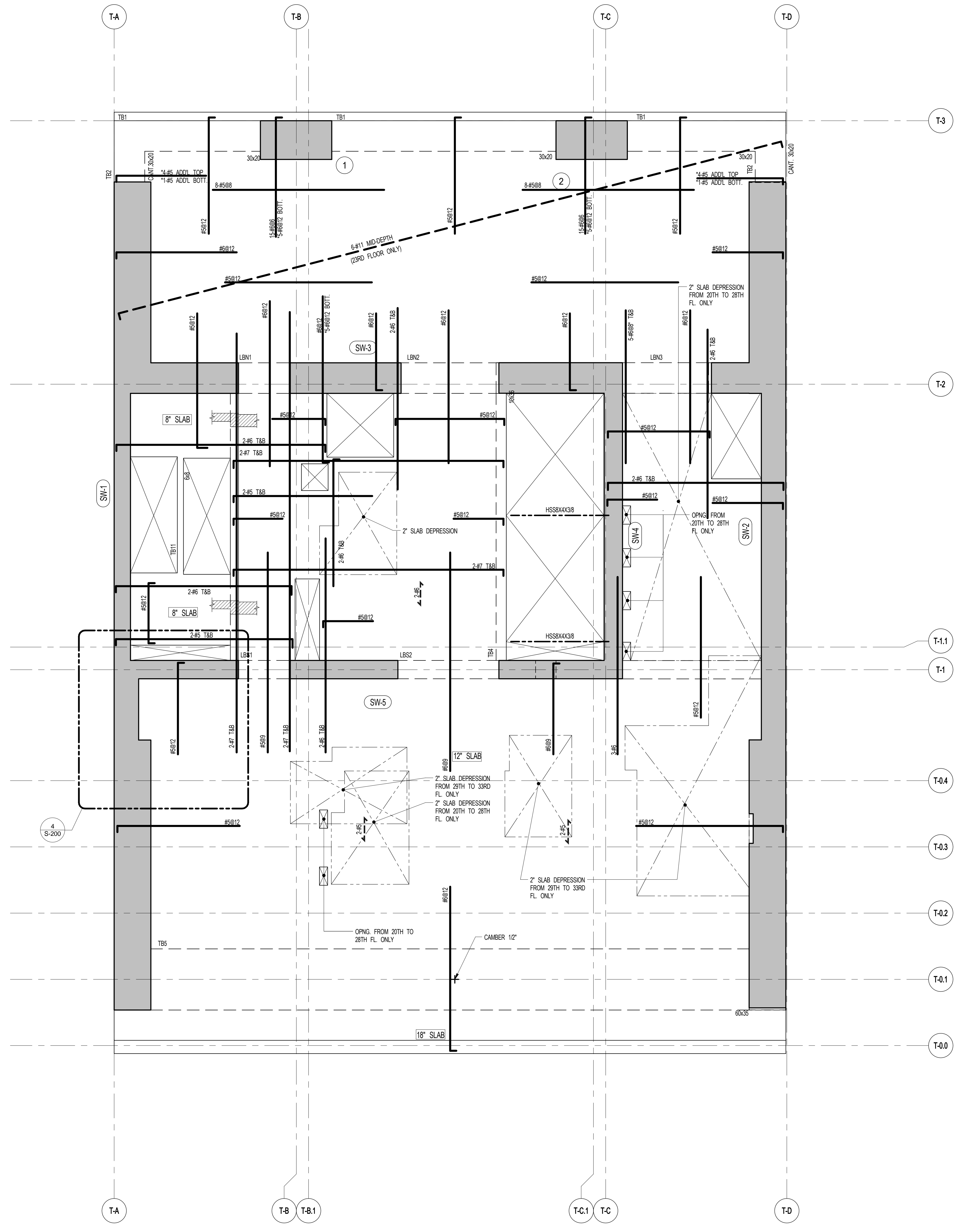
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20TH-33RD FLOOR FRAMING PLAN

DATE: 5.1.14
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DOB NO:
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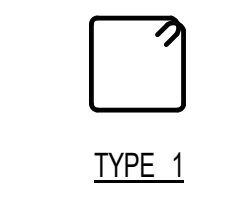


S-200.01

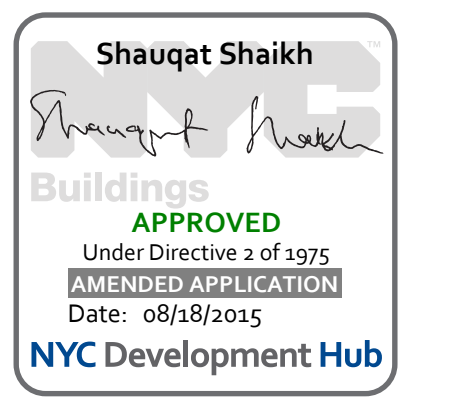


25TH FLOOR BEAM SCHEDULE

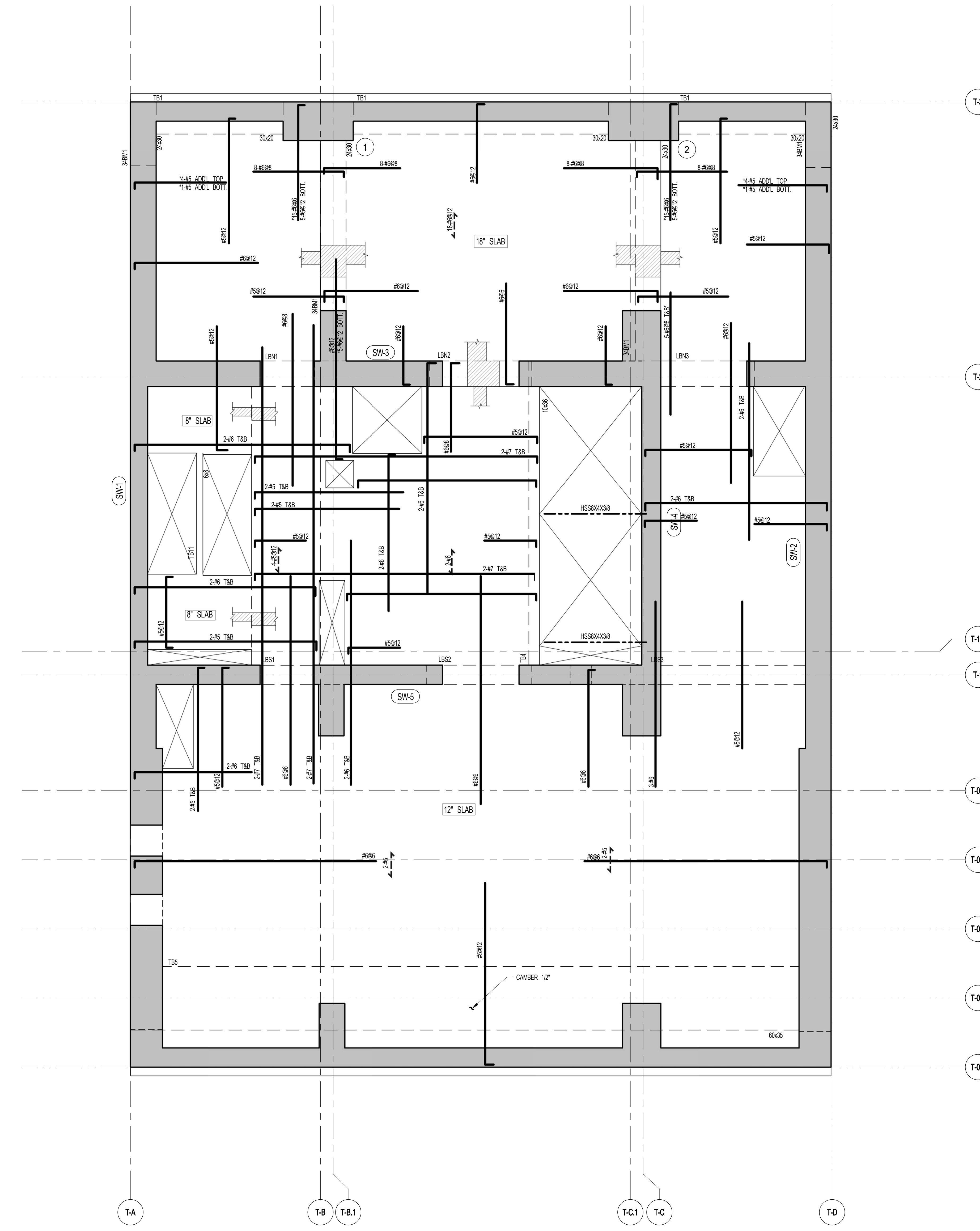
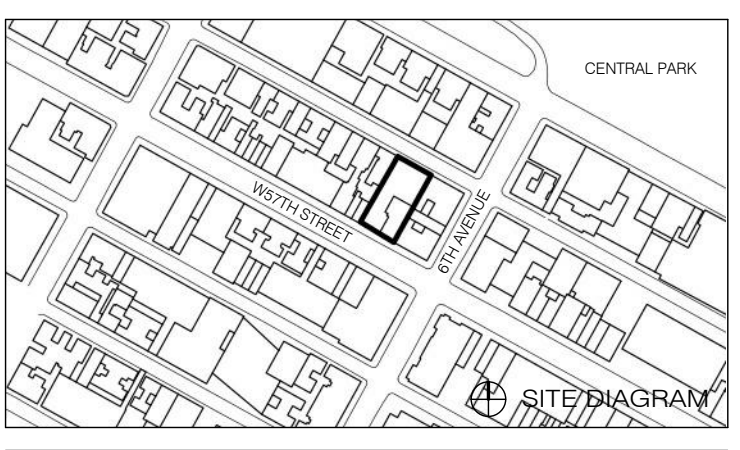
BEAM MARK	WIDTH	SIZE	DEPTH	REINFORCEMENT		STIRRUPS			REMARKS
				BOTTOM CONTINUOUS	TOP CONTINUOUS	TYPE	SIZE	SPACING	
25B1	8"	24"	24"	2#7	2#6	1	#4	@10"	
25B2	8"	18"	18"	2#7	2#6	1	#3	@8"	UPTURNED



TYPE 1



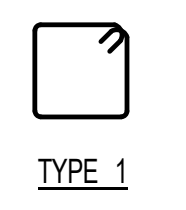
111 WEST 57TH STREET
111 WEST 57TH STREET



1 34TH FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

- NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
2. TOP SLAB THICKNESS TO BE 12" UNLESS OTHERWISE NOTED ON PLAN.
3. BOTTOM REINFORCEMENT TO BE #5@12" EW CONTINUOUS FOR 8" SLAB.
#5@12" EW CONTINUOUS FOR 12" SLAB.
#5@12" EW CONTINUOUS FOR 16" SLAB.
4. FOR BALANCE OF NOTES SEE DRAWING S-340.

34TH FLOOR BEAM SCHEDULE									
BEAM MARK	WIDTH	DEPTH	REINFORCEMENT		STIRRUPS			REMARKS	
			BOTTOM CONTINUOUS	TOP CONTINUOUS	TYPE	SIZE	SPACING		
34BM1	24"	30"	3-#9	3-#9	1	#4	@6"		



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34TH FLOOR FRAMING PLAN

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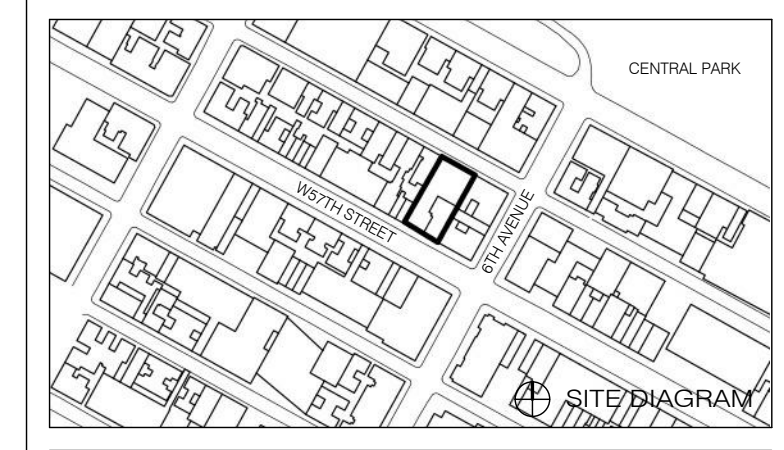
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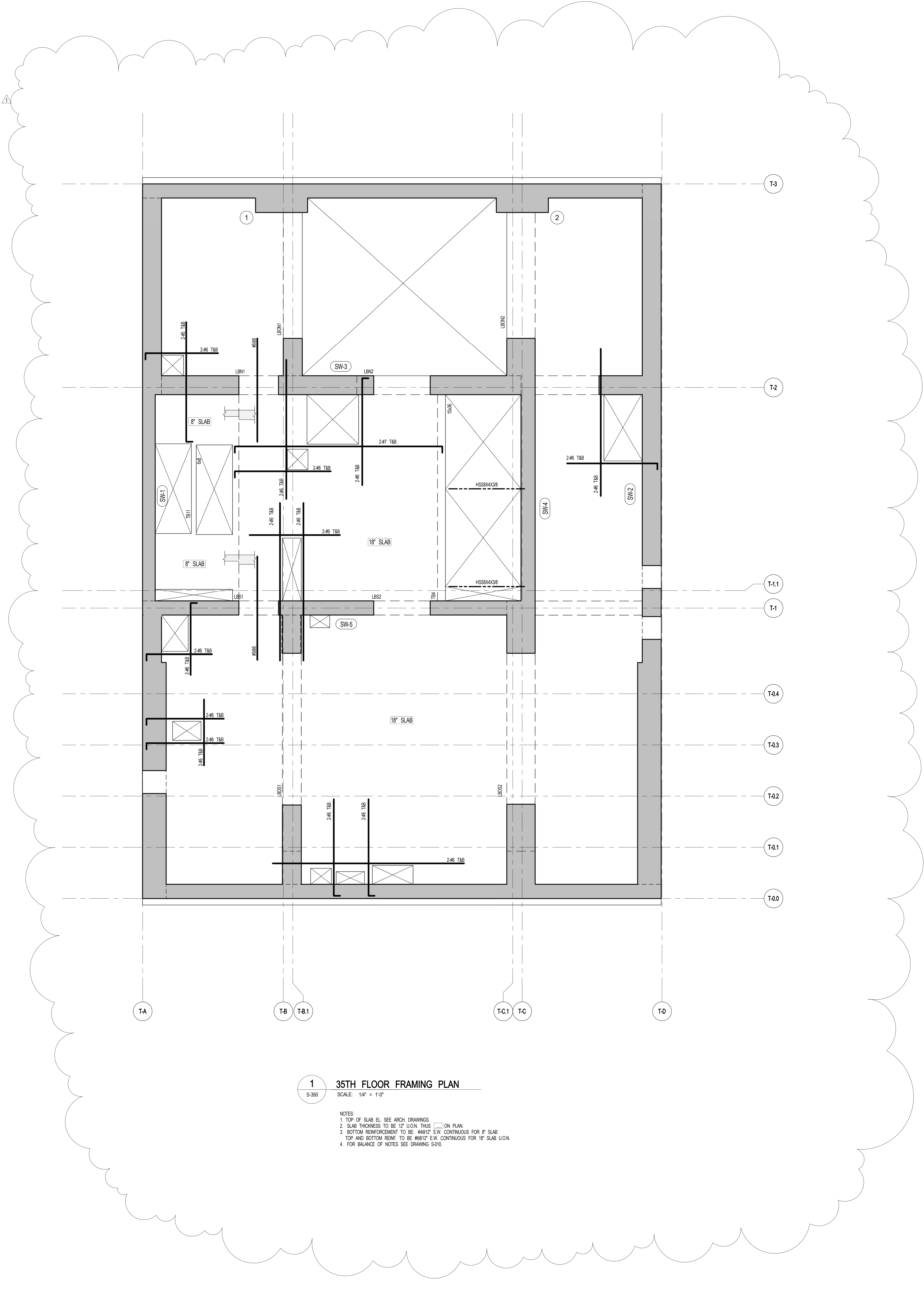


111 WEST 57TH STREET
111 WEST 57TH STREET



1 35TH FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

- NOTES:
1. TOP OF SLAB E.L. SEE ARCH. DRAWINGS
2. SLAB THICKNESS TO BE 12" U.O.N. THIS [] ON PLAN
3. BOTTOM REINFORCEMENT TO BE #4@12" E.W. CONTINUOUS FOR 8" SLAB
TOP AND BOTTOM REIN. TO BE #6@12" E.W. CONTINUOUS FOR 18" SLAB U.O.N.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.



1	3.27.15	DOB PAA
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35TH FLOOR FRAMING PLAN

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	DRAWING NUMBER	S-350.01



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TEL: 212 238 6462

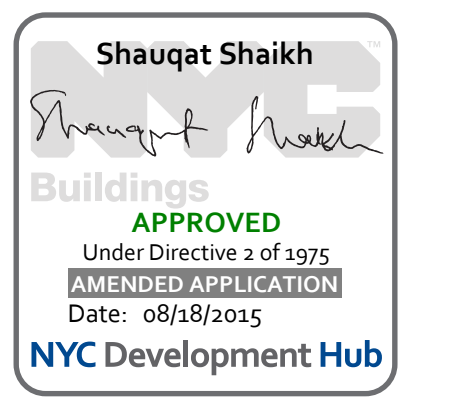
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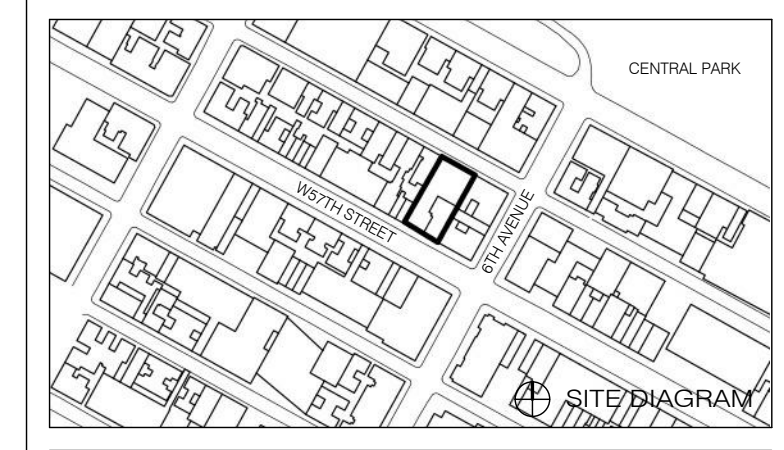


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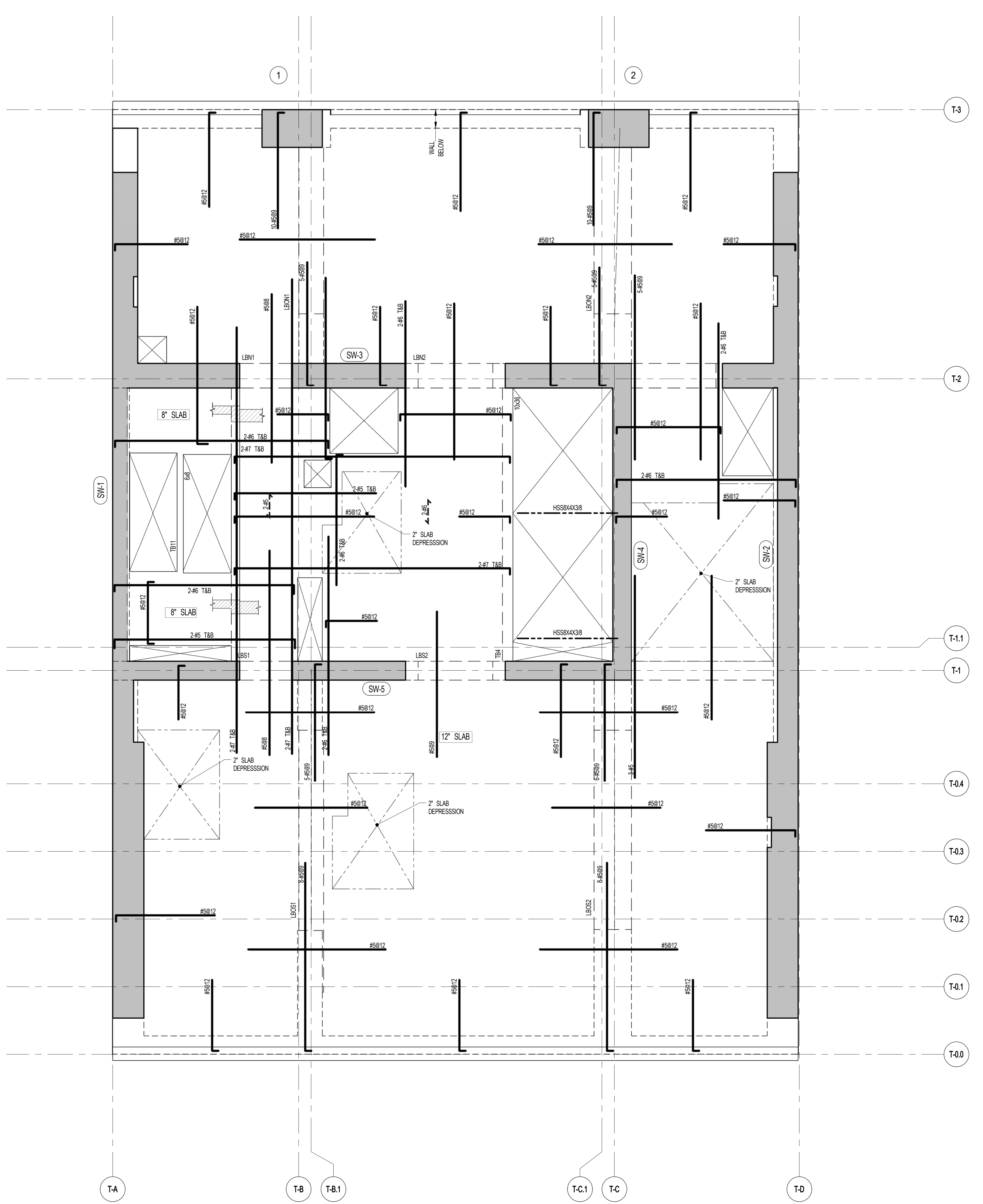
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36TH FLOOR FRAMING PLAN

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	DRAWN BY	CADD
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	DOB NO.	
	DRAWING NUMBER	S-360.01



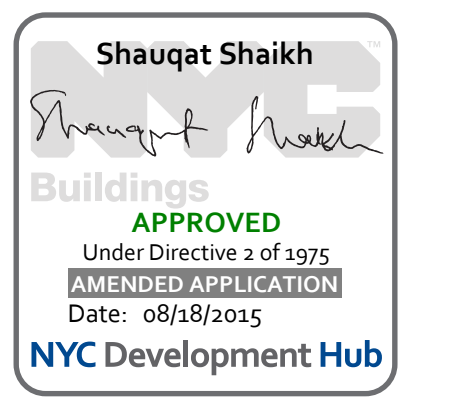
1 36TH FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

- NOTES
- TOP OF SLAB EL. SEE ARCH DRAWINGS
 - SLAB THICKNESS TO BE 12" UNLESS NOTED OTHERWISE ON PLAN.
 - BOTTOM REINFORCEMENT TO BE #5@12" E-W; CONTINUOUS FOR 12" SLAB #4@12" E-W; CONTINUOUS FOR 8" SLAB #3@12" E-W.
 - FOR BALANCE OF NOTES SEE DRAWING S-010.

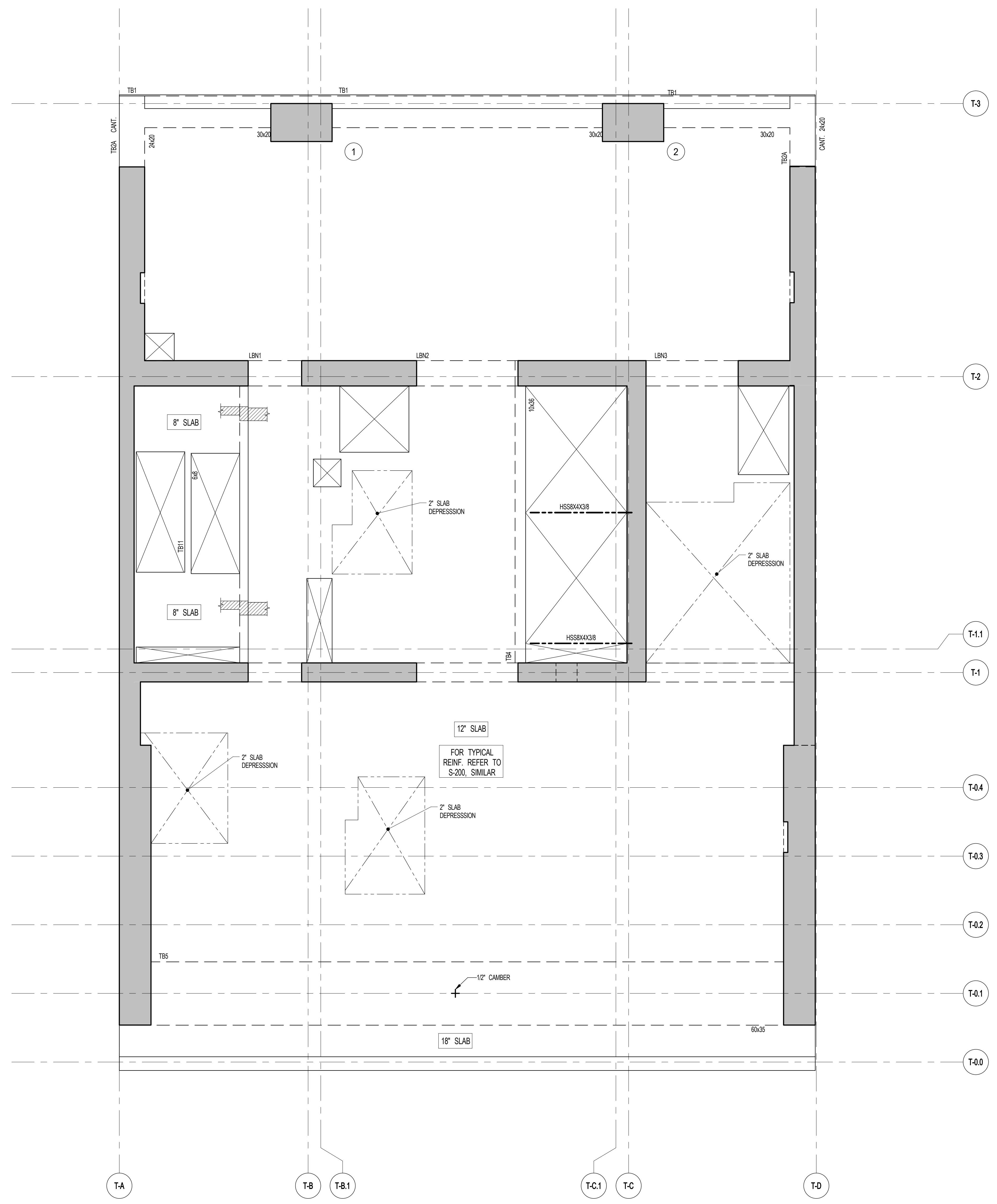
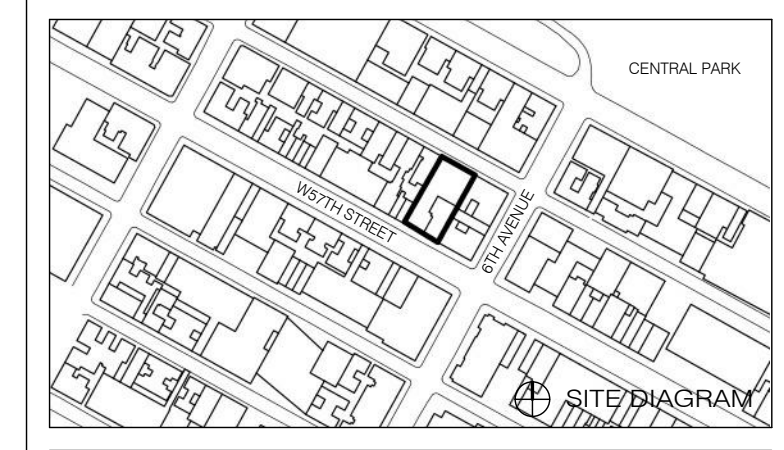
ARCHITECT	SHAP ARCHITECTS, P.C. 230 BROADWAY, 11TH FLOOR NEW YORK, NY 10005 TEL: 212 689 9300	FAÇADE	BURROUGHS WAREFIELD 100 BROADWAY NEW YORK, NY 10005 TEL: 212 254 2025
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MEP ENGINEER	JACOBS, BALK & BOLLER 40 WINE STREET, 12TH FLOOR NEW YORK, NY 10005 TEL: 212 689 9300	RESTORATION	JAN HRO FOKORNY ASSOCIATES 30 WEST 47TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212 259 6462
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111 WEST 57TH STREET
111 WEST 57TH STREET



1 37TH - 44TH FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

- NOTES:
1. TOP OF SLAB E.L. SEE ARCH. DRAWINGS.
 2. SLAB THICKNESS TO BE 12" U.O.N. THIS.
 3. BOTTOM REINFORCEMENT TO BE #5@12" E.W. CONTINUOUS FOR 12" SLAB #4@12" E.W. CONTINUOUS FOR 8" SLAB #6@12" E.W. CONTINUOUS FOR 18" SLAB.
 4. FOR BALANCE OF NOTES SEE DRAWING S-010.

1	3/27/15	DOB PRA
NO.	DATE	REVISION

● NOT FOR CONSTRUCTION

37TH-44TH FLOOR FRAMING PLAN

SEAL & SIGNATURE: [Signature]
DATE: 3/27/15
PROJECT NO.: 1310140
DRAWN BY: [Name]
CHECKED BY: [Name]
DOB NO.: [Number]
DRAWING NUMBER: S-370.00

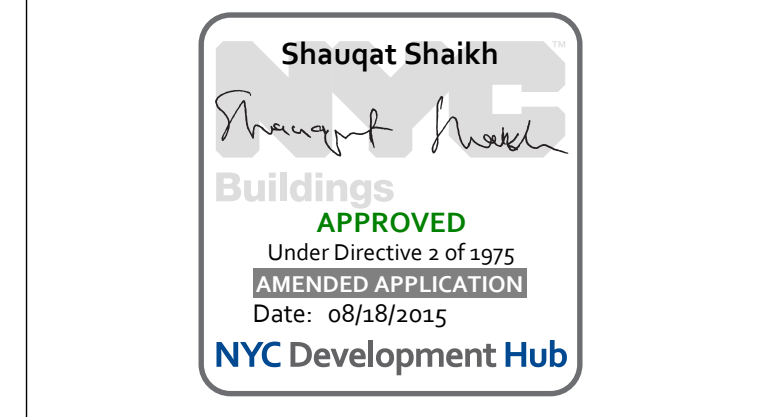


ARCHITECT	SHAP ARCHITECTS, P.C. 228 BROADWAY, 11TH FLOOR NEW YORK, NY 10004 TEL: 212 669 9336
STRUCTURAL ENGINEER	YUSEF GANTOUB ENGINEERING 228 EAST 43RD STREET NEW YORK, NY 10017 TEL: 212 697 2886
MEP ENGINEER	JORDIS, BAIAM & BOLLER 40 RINE STREET, 12TH FLOOR NEW YORK, NY 10005 TEL: 212 693 9333
CIVIL ENGINEER	AWRIF ENGINEERING, P.C. 40 FIFTH AVE, 20TH FLOOR NEW YORK, NY 10018 TEL: 646 288 8928
ACOUSTICIAN	LONGMAN LINDSEY 40 WEST 49TH STREET, 4TH FLOOR NEW YORK, NY 10018 TEL: 917 238 2389
INTERIORS	STUDIOS JOSEPH FIELD 30 LAURENCE STREET NEW YORK, NY 10002 TEL: 212 475 1300
FAÇADE	BURROUGHS WERFIELD 105 BROADWAY NEW YORK, NY 10005 TEL: 212 254 2025
VERTICAL TRANSPORTATION	VAN DEUSEN & ASSOCIATES 1 BROADWAY STREET, SUITE 2014 LARKSPER, NJ 07033 TEL: 973 984 4770
RESTORATION	JAN HIRSH FOKORNY ASSOCIATES 30 WEST 57TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212 238 6462
GEOTECH	MTICE 205 WEST 49TH STREET, 4TH FLOOR NEW YORK, NY 10018 TEL: 917 238 4900
LIGHTING	CONSERVATORIE INTERNATIONAL 105 WALKER STREET, 7TH FLOOR EAST NEW YORK, NY 10002 TEL: 212 252 4443

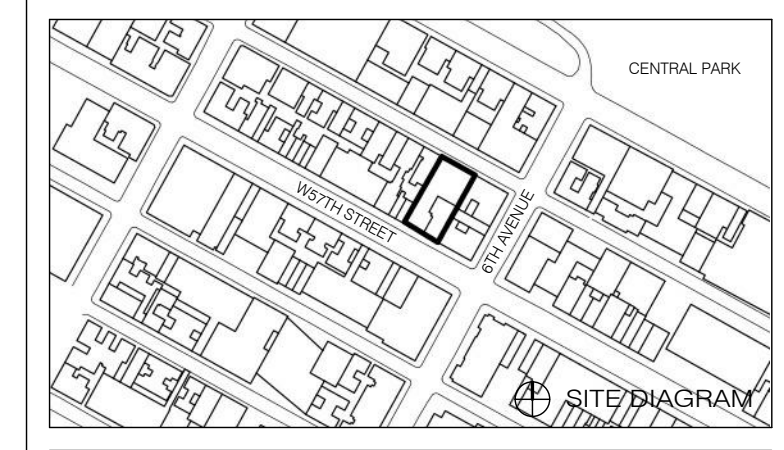


PROPERTY MARKETS GROUP
100 WEST STREET, 10TH FLOOR
NEW YORK, NY 10006
TEL: 212 693 9336

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111 WEST 57TH STREET
111 WEST 57TH STREET



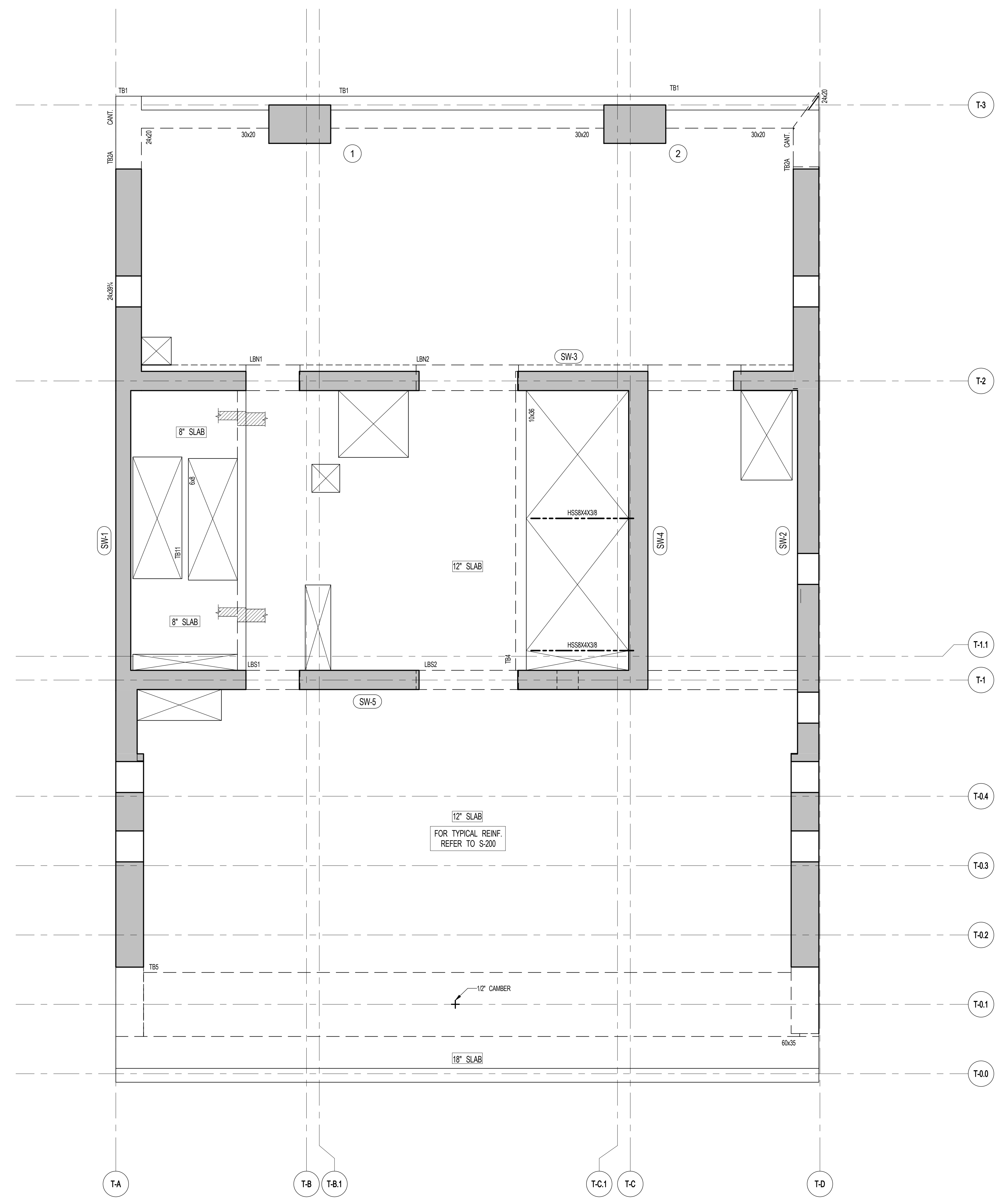
1	3/27/15	DOB PRA
NO.	DATE	REVISION

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DRAWING TITLE

45TH FLOOR FRAMING PLAN

SEAL & SIGNATURE: DATE: 3/27/15
PROJECT NO.: 1310140
DRAWN BY: CADD
CHECKED BY: CL
DOB NO.:
DRAWING NUMBER: S-450.00



1 45TH FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"
S-450

NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS. □ ON PLAN.
2. SLAB THICKNESS TO BE 12" UNL. THIS
3. BOTTOM REINFORCEMENT TO BE #5@12" E-W CONTINUOUS FOR 12" SLAB
#4@12" E-W CONTINUOUS FOR 8" SLAB
#6@12" E-W CONTINUOUS FOR 16" SLAB
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

JDS DEVELOPMENT GROUP
124 FIFTH AVENUE, 8TH FLOOR
NEW YORK, NY 10011
NY 10011-0001



ARCHITECT
SNIP ARCHITECTS, P.C.
230 BROADWAY, 11TH FLOOR
NEW YORK, NY 10038
NY 10038-0000

STRUCTURAL ENGINEER
WSP CANON BERNUK
230 EAST 43RD STREET
NEW YORK, NY 10017
NY 10017-0000

MEP ENGINEER
JARDS, BAUM & ROLLES
80 FINE STREET, 10TH FLOOR
NEW YORK, NY 10038
NY 10038-0000

CIVIL ENGINEER
AKRF ENGINEERING, P.C.
400 PARK AVE SOUTH, 7TH FLOOR
NEW YORK, NY 10014
NY 10014-0000

ACOUSTICS
LONGMAN LINDSEY
41 WEST 87TH STREET, 4TH FLOOR
NEW YORK, NY 10024
NY 10024-0000

INTERIORS
STUDIO SCHAFFEL
300 WASHINGTON STREET
NEW YORK, NY 10013
NY 10013-0000

FAÇADE
BURRO HANFORD
100 BROADWAY
NEW YORK, NY 10003
NY 10003-0000

VERTICAL TRANSPORTATION
VAN DEUSEN & ASSOCIATES
7 FINESTREET SQUARE, 6TH
LONDON, EC1A 3DF
NY 10003-0000

RESTORATION
JAN HIRSHKOPFF ASSOCIATES
30 WEST 37TH STREET, 10TH FLOOR
NEW YORK, NY 10018
NY 10018-0000

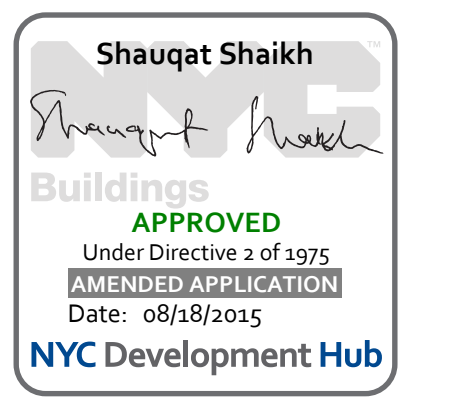
GEO TECH
MPC
105 WEST 49TH STREET, 6TH FLOOR
NEW YORK, NY 10019
NY 10019-0000

LIGHTING
LOEBERFATHER INTERNATIONAL
100 WASHINGTON STREET
NEW YORK, NY 10013
NY 10013-0000

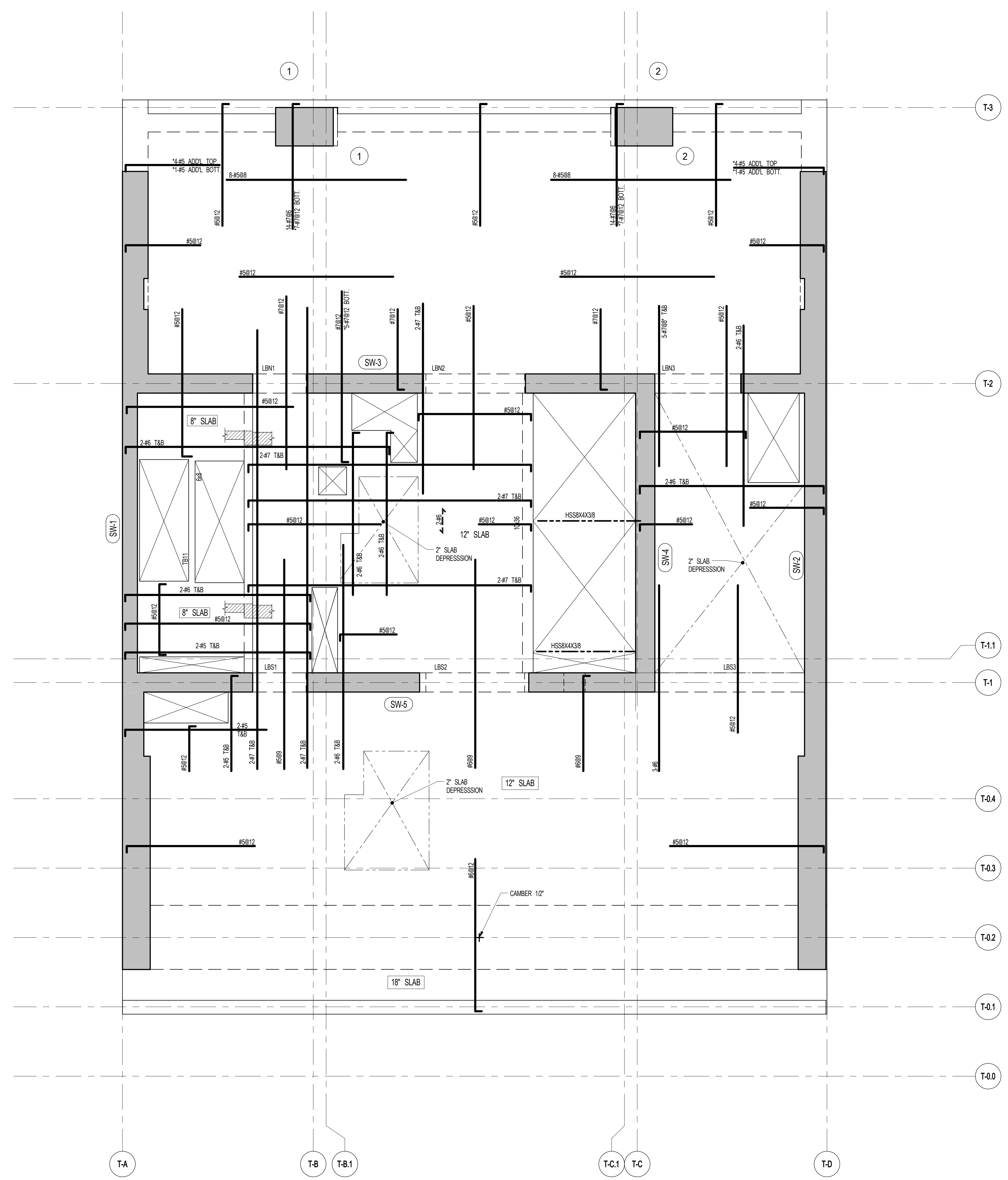
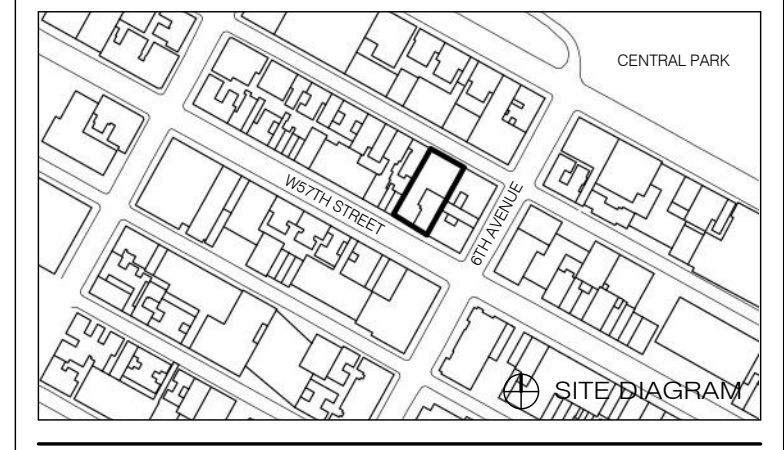


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1 EAST 17TH STREET, 2ND FLOOR
NEW YORK, NY 10003
NY 10003-0000

CURRENT ISSUE

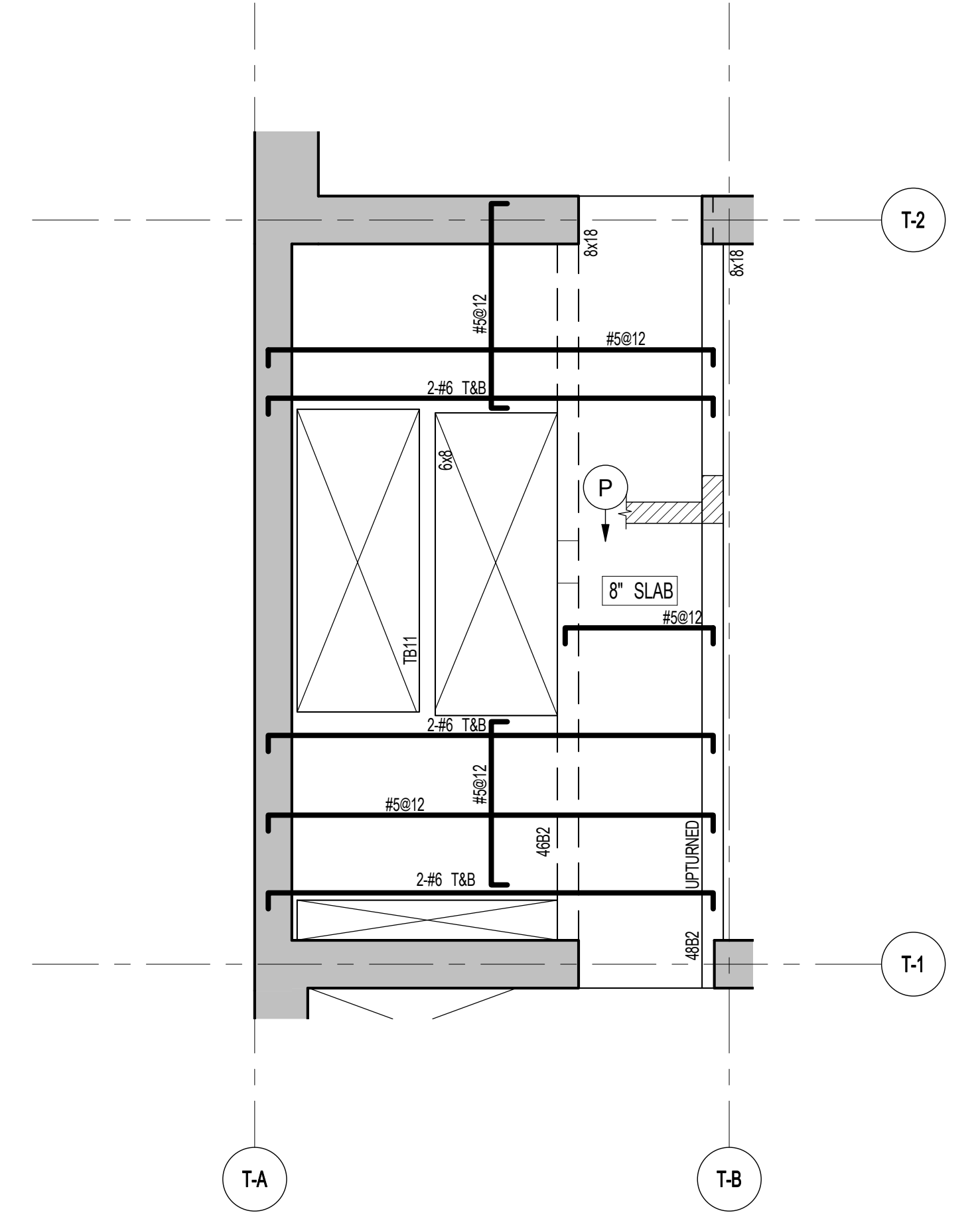


111 WEST 57TH STREET
111 WEST 57TH STREET

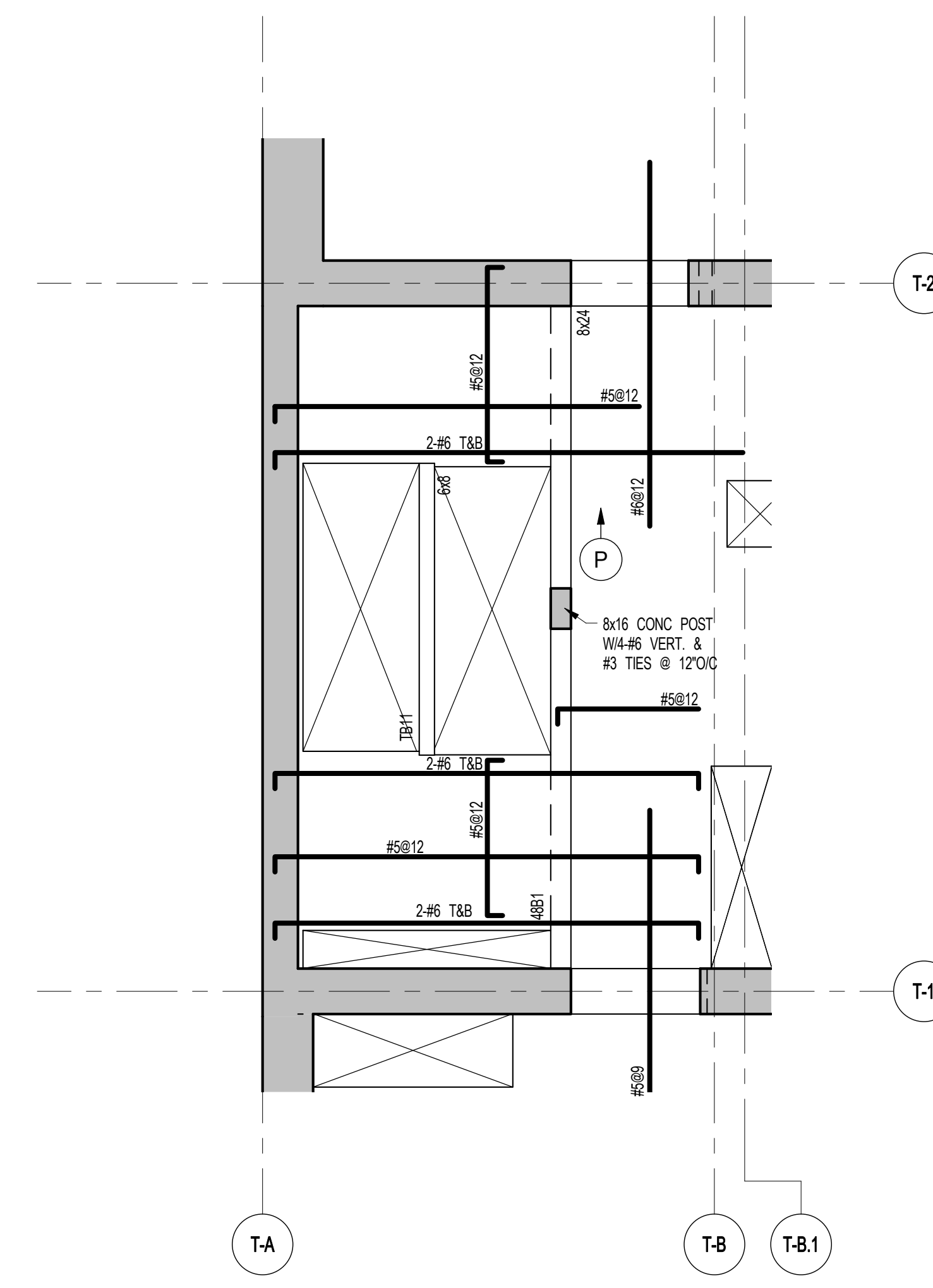


1 46TH-53RD FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

- NOTES:
- TOP OF SLAB IS SEE ARCH DRAWINGS.
 - SLAB THICKNESS TO BE 12" UNLESS OTHERWISE NOTED ON PLAN.
 - BOTTOM REINFORCEMENT TO BE #5@12" E-W, CONTINUOUS FOR 12" SLAB; #4@12" E-W, CONTINUOUS FOR 8" SLAB.
 - FOR BALANCE OF NOTES SEE DRAWING S-410.

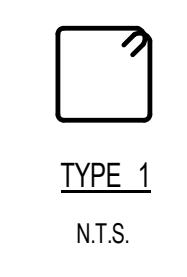


4 48TH MEZZ FLOOR PART FRAMING PLAN
SCALE: 1/4" = 1'-0"



3 48TH FLOOR PART FRAMING PLAN
SCALE: 1/4" = 1'-0"

48TH FLOOR BEAM SCHEDULE								
BEAM MARK	SIZE		REINFORCEMENT		STIRRUPS			REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TYPE	SIZE	SPACING	
4801	8	24	2#7	2#6	1	#4	@10	
4802	8	18	2#7	2#6	1	#3	@8	UPTURNED

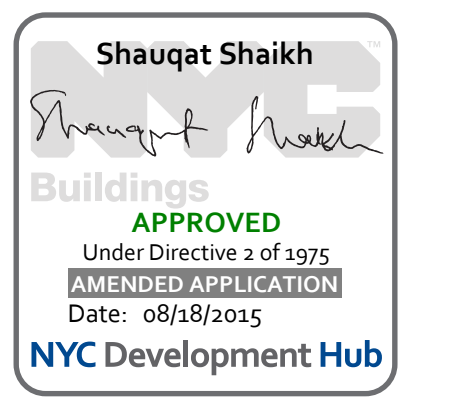


1	3.27.15	DOB PAA
2	5.1.14	DOB FILING SET
NO.	DATE	REVISION
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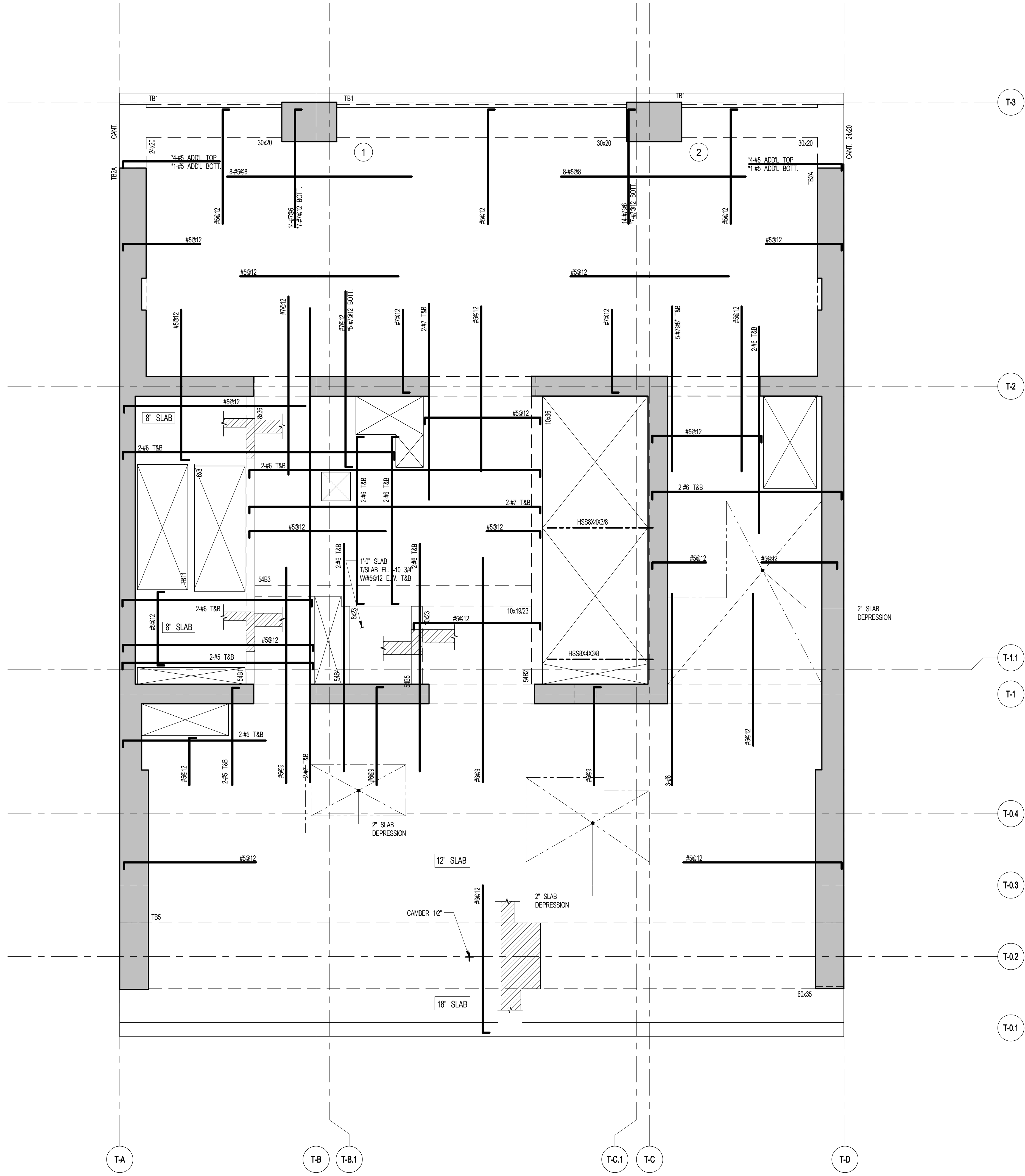
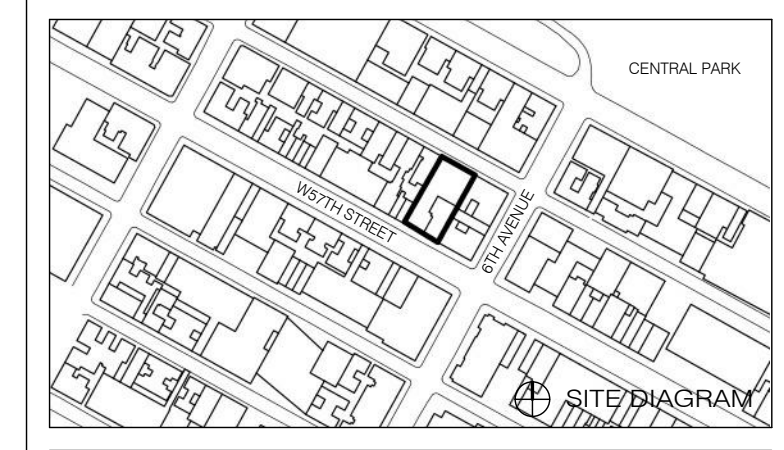
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46TH-53RD FLOOR FRAMING PLAN

SEAL & SIGNATURE: [Signature]
DATE: 5.1.14
PROJECT NO.: 1315140
DRAWN BY: CAD/D
CHECKED BY: CL
DOB NO.: [Stamp]
DRAWING NUMBER: S-460.01



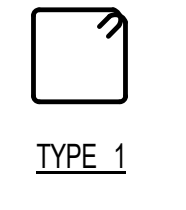
111 WEST 57TH STREET
111 WEST 57TH STREET



1 54TH FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

- NOTES:
- TOP OF SLAB EL. SEE ARCH. DRAWINGS.
 - SLAB THICKNESS TO BE 12" U.O.N. THIS PLAN.
 - BOTTOM REINFORCEMENT TO BE #5@12" E-W. CONTINUOUS FOR 12" SLAB. #4@12" E-W. CONTINUOUS FOR 8" SLAB. #4@12" E-W. CONTINUOUS FOR 18" SLAB.
 - FOR BALANCE OF NOTES SEE DRAWING S-010.

BEAM MARK	SIZE		REINFORCEMENT		STIRRUPS		REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	SIZE	SPACING	
S4B1	8	36	3-#8	2-#8	1	#4 @16	
S4B2	10	36	3-#8	2-#8	1	#4 @16	
S4B3	10/19	23	3-#8	2-#8	1	#4 @10	
S4B4	8	23	2-#7	2-#6	1	#4 @10	
S4B5	10	23	2-#7	2-#6	1	#4 @10	



1	3/27/15	DOB PRA
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NO.	DATE	REVISION

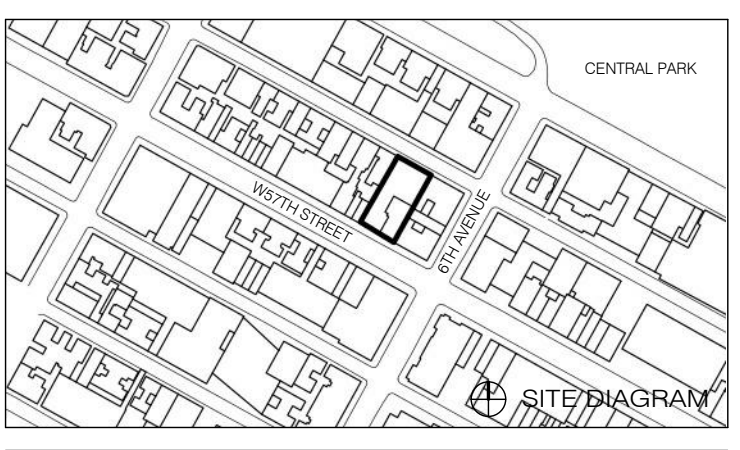
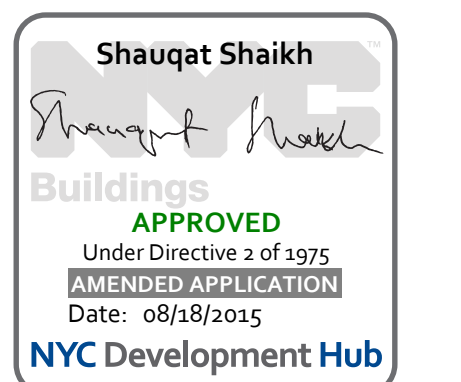
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54TH FLOOR FRAMING PLAN

SEAL & SIGNATURE	DATE	3/27/15
	PROJECT NO.	1310140
	DRAWN BY	CADD
	CHECKED BY	CL
	DOB NO.	09175
	DRAWING NUMBER	S-540.00



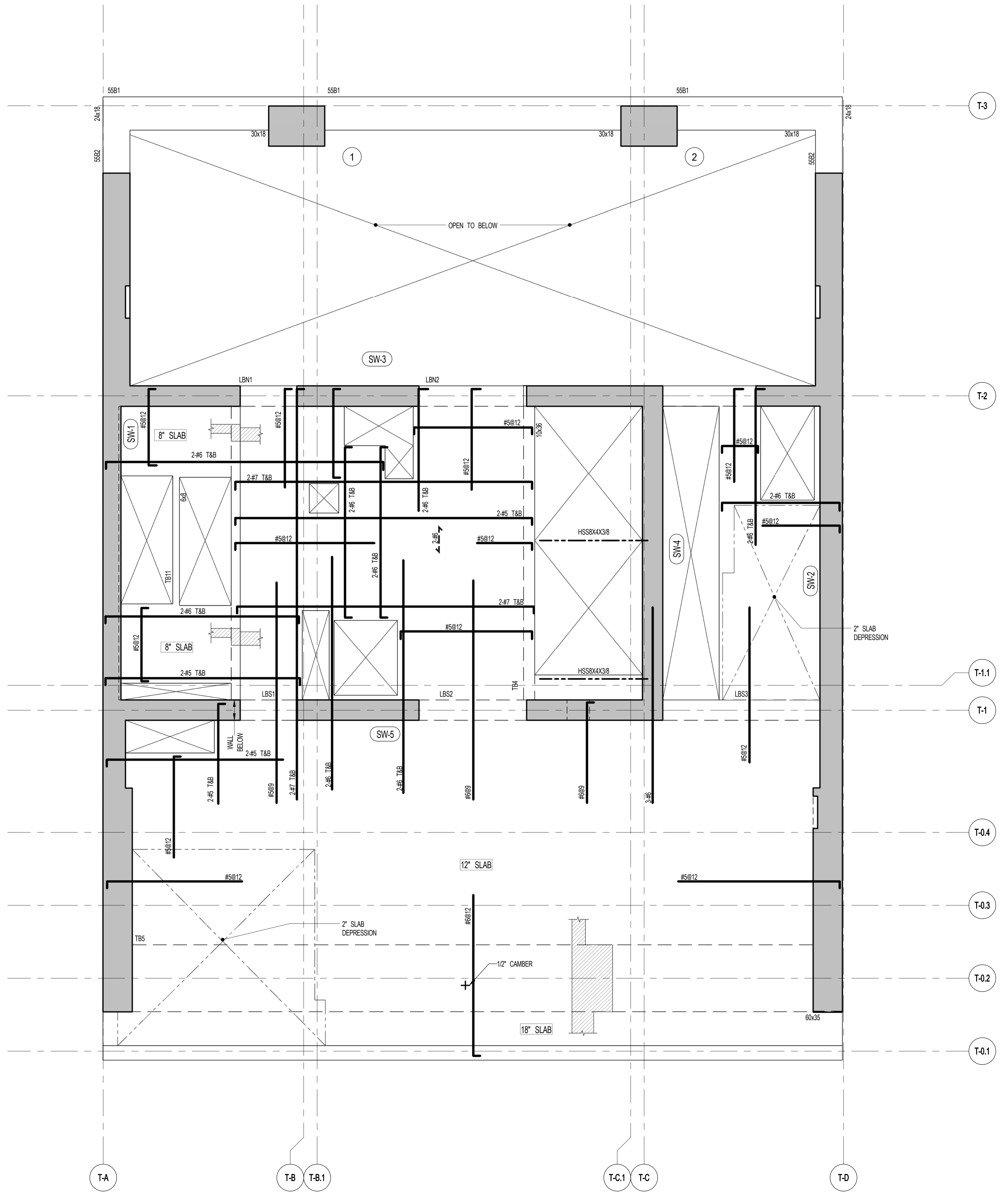


1	3.27.15	DOB PAA
	5.1.14	DOB PLNG SET
NO.	DATE	REVISION

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55TH FLOOR FRAMING PLAN

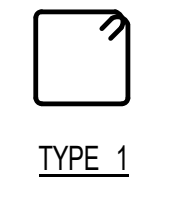
SEAL & SIGNATURE	DATE	5.1.14
	PROJECT NO.	1310140
	DRAWN BY	CADD
	CHECKED BY	CL
	DOB NO.	
	DRAWING NUMBER	



1 55TH FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

- NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
 2. SLAB THICKNESS TO BE 12" U.O.N. THIS ON PLAN.
 3. BOTTOM REINFORCEMENT TO BE #5@12" E-W CONTINUOUS FOR 18" SLAB
#5@12" E-W CONTINUOUS FOR 12" SLAB
#5@12" E-W CONTINUOUS FOR 8" SLAB.
 4. FOR BALANCE OF NOTES SEE DRAWING S-010.

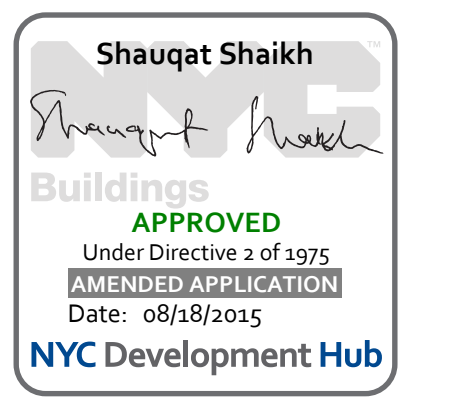
BEAM MARK	SIZE		REINFORCEMENT		STIRRUPS			REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TYPE	SIZE	SPACING	
55B1	30	18	3-#8	3-#8	1	#4	@8	ADD 1-#8 SIDE REINF. E.F.
55B2	24	18	3-#8	3-#8	1	#4	@8	



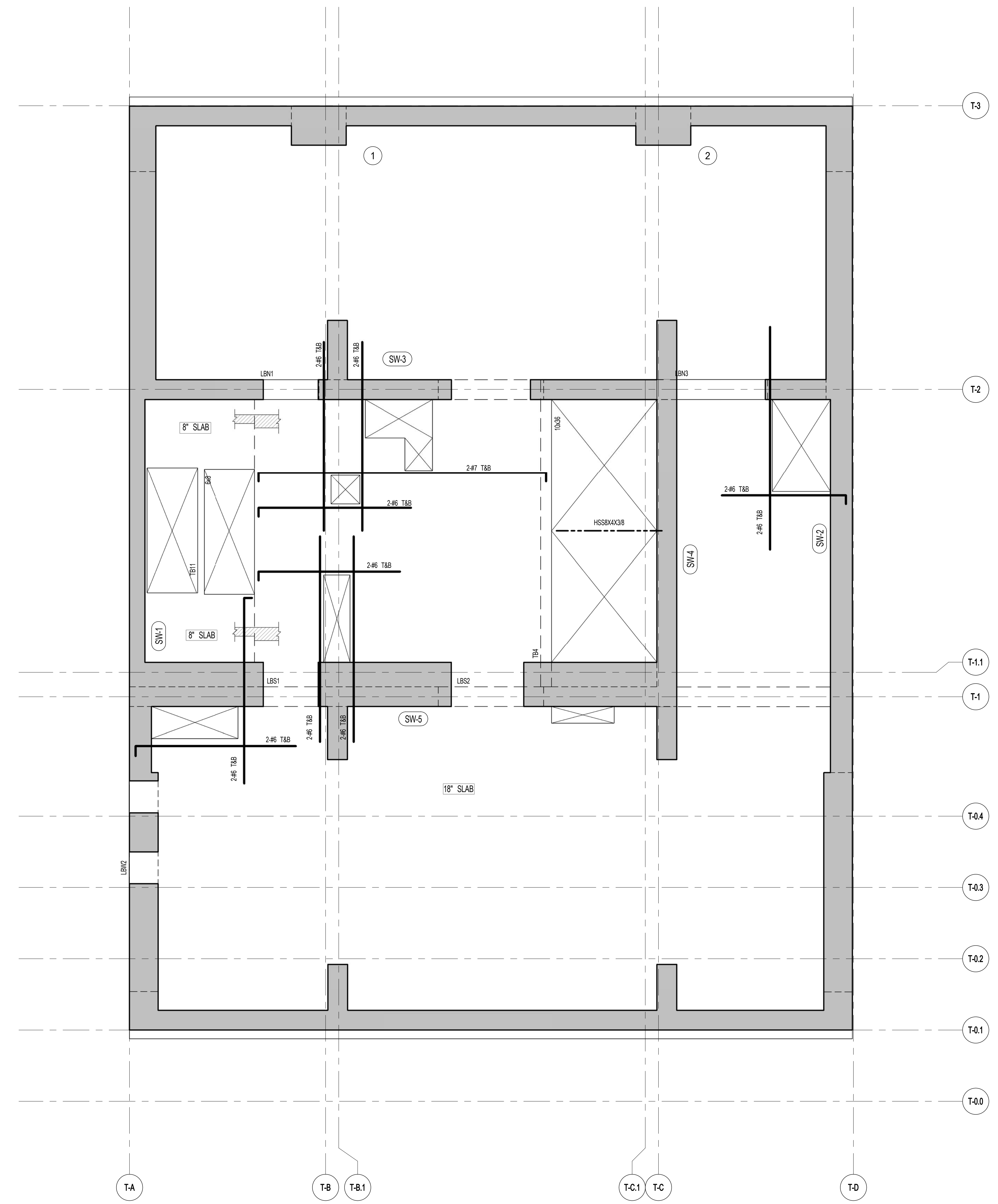
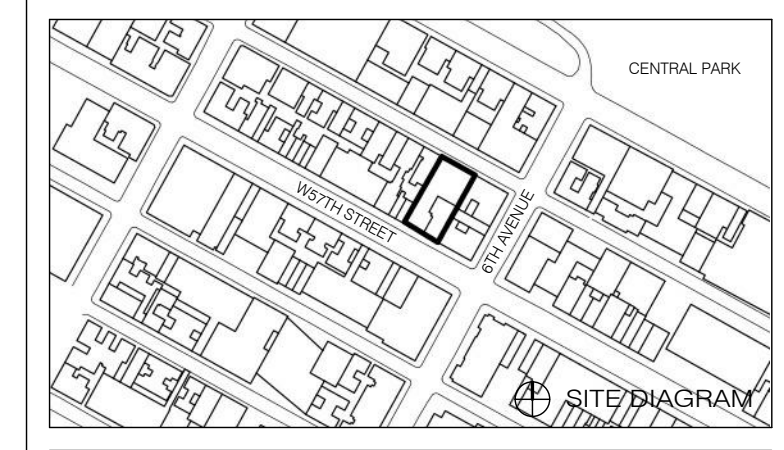
ARCHITECT SHAP ARCHITECTS, P.C. 238 BROADWAY, 11TH FLOOR NEW YORK, NY 10005 NY 212 689 9336	STRUCTURAL ENGINEER YUSEF GHAFOUR BERKOWITZ 238 EAST 43RD STREET NEW YORK, NY 10017 NY 212 697 5866	MEP ENGINEER JACOBS, BALK & BOLLER 80 WINE STREET, 12TH FLOOR NEW YORK, NY 10038 NY 212 693 6333	CIVIL ENGINEER AWR ENGINEERING, P.C. 40 FIFTH AVE, 20TH FLOOR NEW YORK, NY 10018 NY 212 269 2628	ACOUSTICS LONGMAN LINDSEY 40 WEST 58TH STREET, 4TH FLOOR NEW YORK, NY 10019 NY 917 238 3300	INTERIORS STUDIOS JENSEN 200 WALKER STREET NEW YORK, NY 10002 NY 212 475 1300	FAÇADE BURROUGHS WAPFOLD 100 SPENCER ST. NEW YORK, NY 10002 NY 212 234 2025	VERTICAL TRANSPORTATION VAN DEUSEN & ASSOCIATES 3 HENRY STREET, SUITE 204 LARKSPER, NJ 07033 NY 973 984 8775	RESTORATION JAN HROD POKORNY ASSOCIATES 30 WEST 57TH STREET, 11TH FLR NEW YORK, NY 10019 NY 212 238 6462	GEOTECH MTC 200 WEST 45TH STREET, 4TH FLOOR NEW YORK, NY 10018 NY 917 238 4900	LIGHTING CONSERVATORIE INTERNATIONAL 100 WALKER STREET, 7TH FLOOR EAST NEW YORK, NY 10002 NY 212 252 4463
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PROPERTY MARKETS GROUP
30 EAST 17TH STREET, 2ND FLOOR
NEW YORK, NY 10003
NY 212 693 9900
CURRENT ISSUE



111 WEST 57TH STREET
111 WEST 57TH STREET



1 56TH FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

- NOTES:
1. TOP OF SLAB EL. SEE ARCH DRAWINGS.
 2. SLAB THICKNESS TO BE 12" UNLESS NOTED OTHERWISE ON PLAN.
 3. REINFORCEMENT TO BE #4@12" BOTH E-W & N-S CONTINUOUS FOR 8" SLAB. #6@12" TOP & BOTTOM E-W CONTINUOUS FOR 18" SLAB.
 4. FOR BALANCE OF NOTES SEE DRAWING S-610.

1	3.27.15	DOB PAA
	5.1.14	DOB PLING SET
NO.	DATE	REVISION

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DRAWING TITLE
56TH FLOOR FRAMING PLAN

SEAL & SIGNATURE	DATE	5.1.14
	PROJECT NO.	1310140
	DRAWN BY	CADD
	CHECKED BY	CL
	DOB NO.	
	DRAWING NUMBER	S-560.01

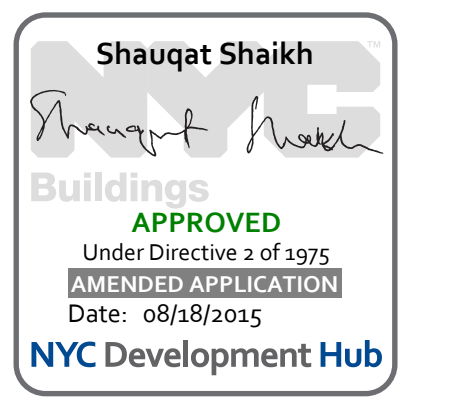


ARCHITECT SHAP ARCHITECTS, P.C. 230 BROADWAY, 11TH FLOOR NEW YORK, NY 10005 TEL: 212 693 9336	STRUCTURAL ENGINEER YUSUF QANTOY & PARTNERS 228 EAST 43RD STREET NEW YORK, NY 10017 TEL: 212 697 2866	MEP ENGINEER JACOBS, BALK & BOLLER 80 WINE STREET, 12TH FLOOR NEW YORK, NY 10005 TEL: 212 693 9336	CIVIL ENGINEER AARF ENGINEERING, P.C. 60 FIFTH AVE, 20TH FLOOR, 7TH FLOOR NEW YORK, NY 10011 TEL: 646 288 2828	ACOUSTICS LONGMAN LINDSEY 40 WEST 40TH STREET, 4TH FLOOR NEW YORK, NY 10018 TEL: 917 238 2330	INTERIORS STUDIOS JENSEN 20 WALKER STREET NEW YORK, NY 10002 TEL: 212 475 3200	FAÇADE BURROUGHS WERFIELD 100 BROADWAY NEW YORK, NY 10005 TEL: 212 254 2025	VERTICAL TRANSPORTATION VAN DEUSEN & ASSOCIATES 8 BROADWAY STREET, SUITE 204 LARKSPER, NJ 07033 TEL: 973 984 4770	RESTORATION JAN HROFKORNY ASSOCIATES 30 WEST 29TH STREET, 11TH FLOOR, 10A NEW YORK, NY 10001 TEL: 212 239 4462	GEOTECH MTC 100 WEST 40TH STREET, 4TH FLOOR NEW YORK, NY 10018 TEL: 917 238 4900	LIGHTING CONSERVATIVE INTERNATIONAL 100 WALKER STREET, 7TH FLOOR, EAST NEW YORK, NY 10002 TEL: 212 255 4443
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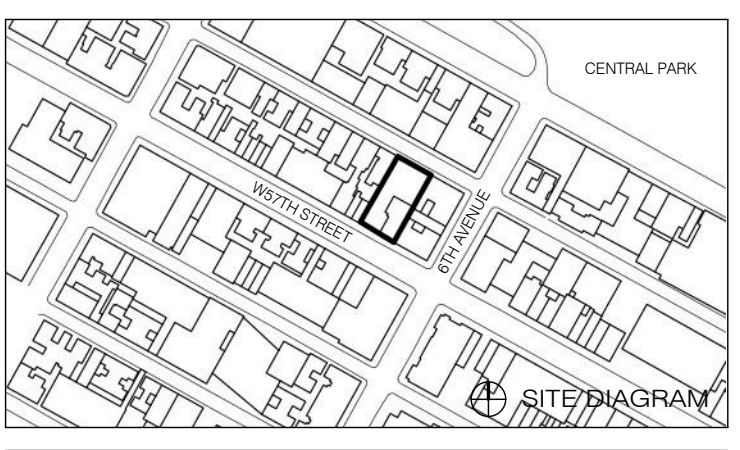


PROPERTY MARKETS GROUP
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NEW YORK, NY 10019
TEL: 212 693 9336

CURRENT ISSUE



111 WEST 57TH STREET
111 WEST 57TH STREET



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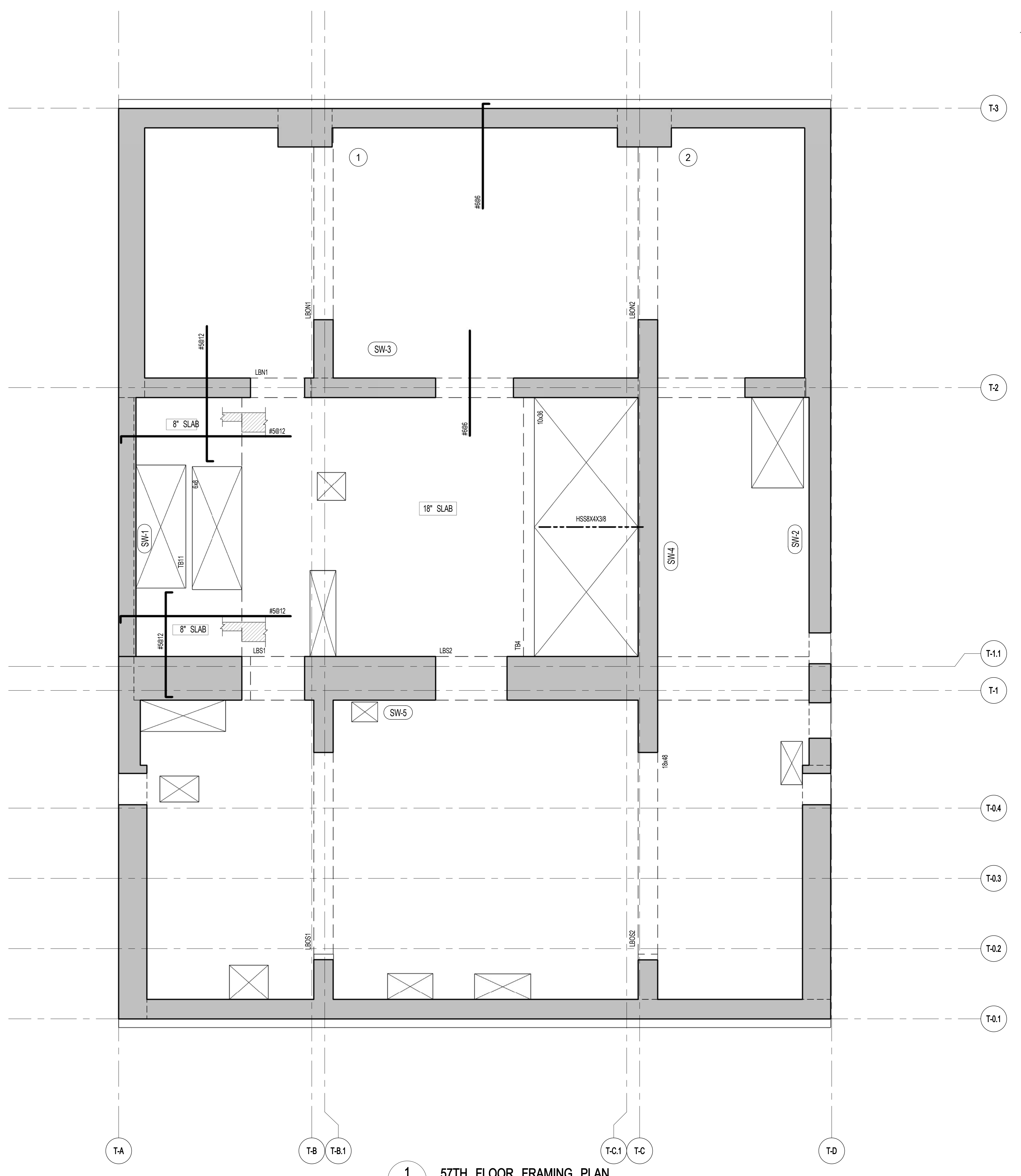
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DRAWING TITLE
57TH FLOOR FRAMING PLAN

SEAL & SIGNATURE	DATE	5.1.14
PROJECT NO.	1310140	
DRAWN BY	CADD	
CHECKED BY	CL	
DOB NO.		
DRAWING NUMBER		



S-570.01



1 57TH FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

- NOTES
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
 2. SLAB THICKNESS TO BE 12" U.O.N. THIS [] ON PLAN.
 3. BOTTOM REINFORCEMENT TO BE #8@12" E-W, CONTINUOUS FOR 8" SLAB REINFORCEMENT TO BE #8@12" N-S, E-W, CONTINUOUS FOR 18" SLAB U.O.N.
 4. FOR BALANCE OF NOTES SEE DRAWING S-670.

ARCHITECT SNIP ARCHITECTS, P.C. 230 BROADWAY, 11TH FLOOR NEW YORK, NY 10038 NY 212.680.0000	STRUCTURAL ENGINEER WEP GANTON BENJUK 220 EAST 43RD STREET NEW YORK, NY 10017 NY 212.647.0886	MEP ENGINEER JARDS, BAUM & ROLLES 80 FINE STREET, 10TH FLOOR NEW YORK, NY 10008 NY 212.510.0000	CIVIL ENGINEER AKRF ENGINEERING, P.C. 400 PARK AVE SOUTH, 17TH FLOOR NEW YORK, NY 10004 NY 609.388.0000	ACOUSTICS LONGMAN LINDSEY 41 WEST 89TH STREET, 4TH FLOOR NEW YORK, NY 10024 NY 917.289.2000	INTERIORS STUDIO SCHAFFEL 300 MARSHFIELD STREET NEW YORK, NY 10002 NY 212.451.1000	FAÇADE BUNO HANFOLD 90 BROADWAY NEW YORK, NY 10003 NY 212.246.2000	VERTICAL TRANSPORTATION VAN DEUSEN & ASSOCIATES 7 FINESTREET, SUITE 504 LONGFORD, AUSTRALIA NY 212.684.4000	RESTORATION JAN HIRSH POKORNY ASSOCIATES 30 WEST 37TH STREET, FLOOR 10A NEW YORK, NY 10018 NY 212.751.6400	GEOTECH MPC 225 WEST 89TH STREET, 6TH FLOOR NEW YORK, NY 10024 NY 917.289.0000	LIGHTING LOEBERFATHER INTERNATIONAL 100 MARSHFIELD STREET NEW YORK, NY 10012 NY 212.251.4400
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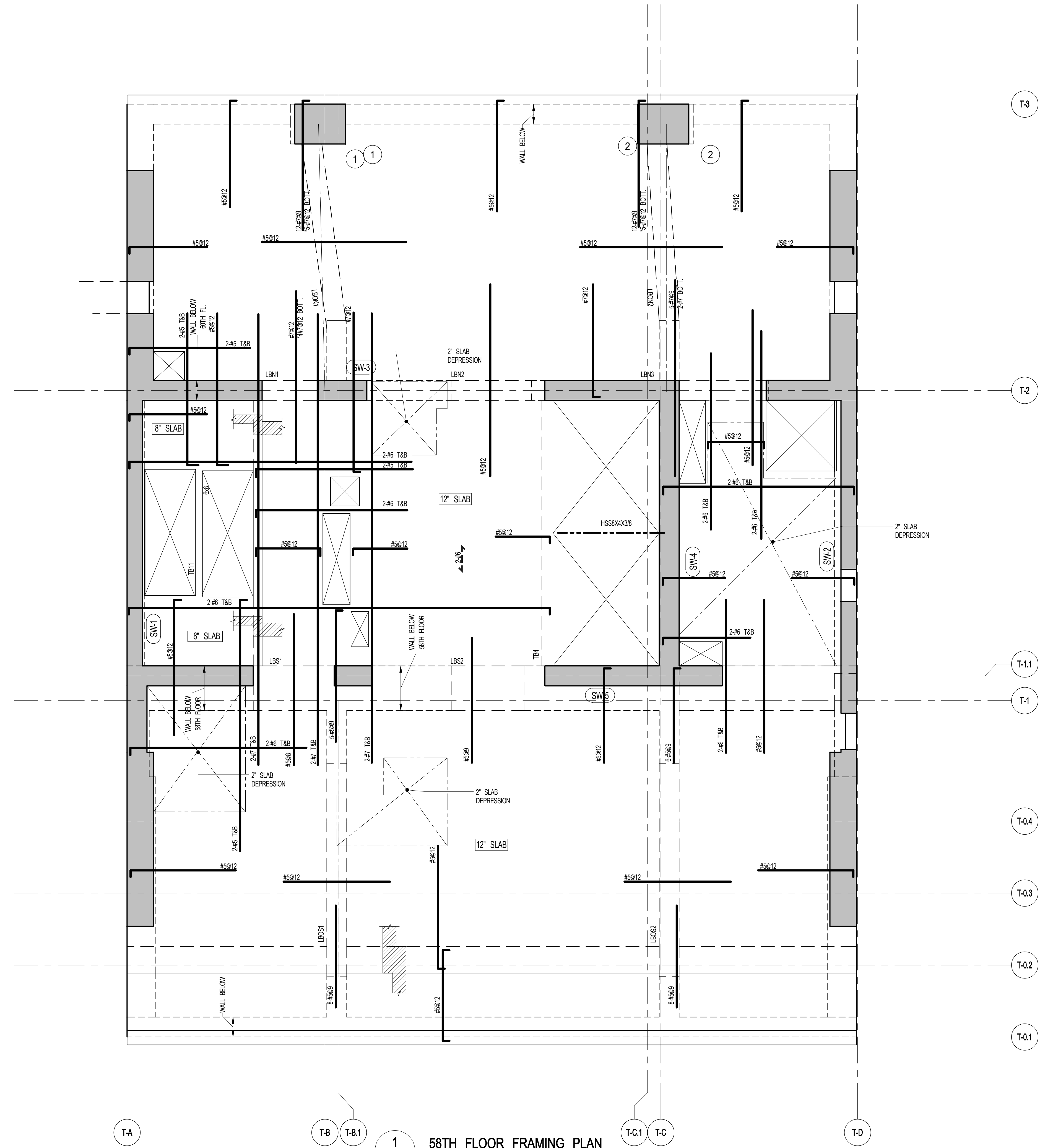
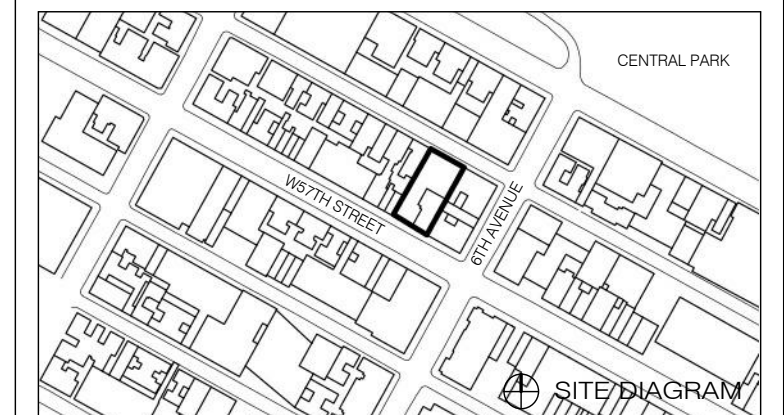


PROPERTY MARKETS GROUP
1 EAST 17TH STREET, 2ND FLOOR
NEW YORK, NY 10003
NY 212.670.2000

CURRENT ISSUE



111 WEST 57TH STREET
111 WEST 57TH STREET



1 58TH FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

- NOTES:
- TOP OF SLAB EL. SEE ARCH. DRAWINGS.
 - SLAB THICKNESS TO BE 12" UO.N. THIS ON PLAN.
 - BOTTOM REINFORCEMENT TO BE #5@12" E-W CONTINUOUS FOR 12" SLAB #5@12" E-W CONTINUOUS FOR 8" SLAB.
 - FOR BALANCE OF NOTES SEE DRAWING S-010.

1	3.27.15	DOB PAA
	5.1.14	DOB FILING SET
NO.	DATE	REVISION

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58TH FLOOR FRAMING PLAN

SEAL & SIGNATURE	DATE	5.1.14
	PROJECT NO.	13151140
	DRAWN BY	CADD
	CHECKED BY	CL
	DOB NO.	
	DRAWING NUMBER	



S-580.01

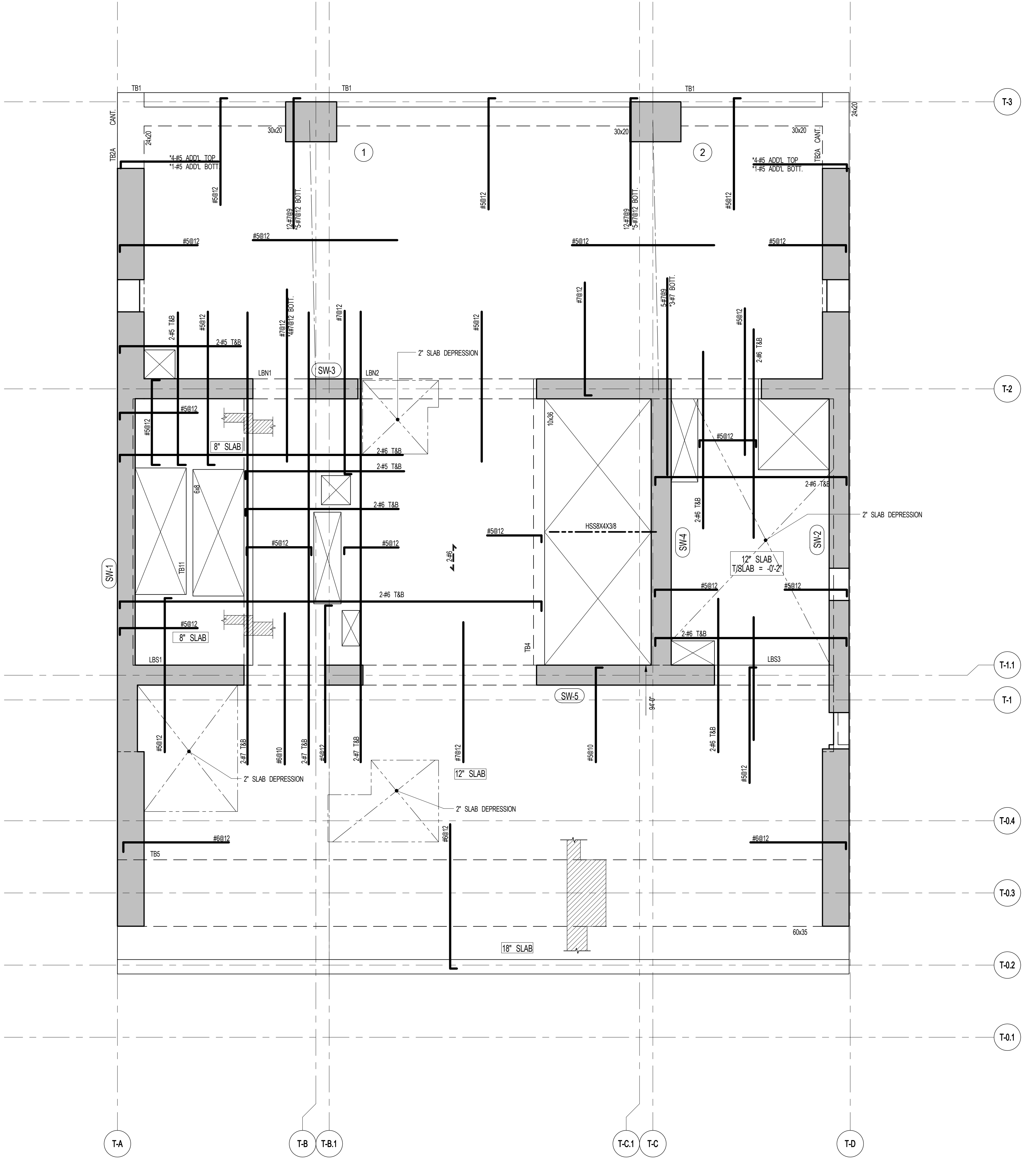
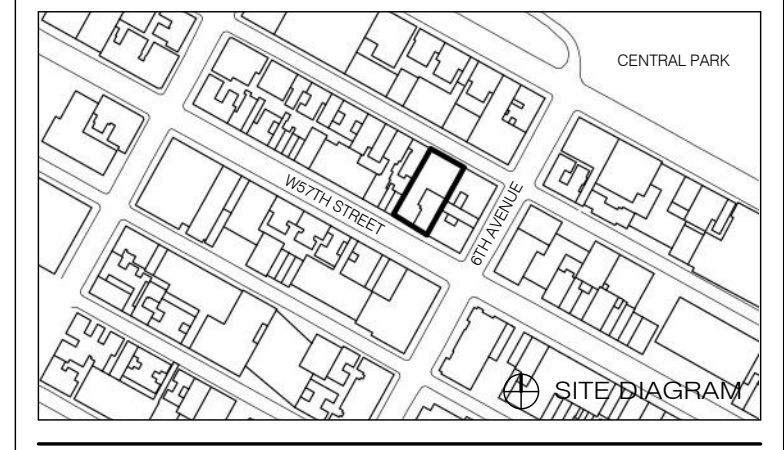
ARCHITECT	SNIP ARCHITECTS, P.C. 230 BROADWAY, 11TH FLOOR NEW YORK, NY 10038 TEL: 212.689.0000
STRUCTURAL ENGINEER	WEP GANTON BERNUK 230 EAST 43RD STREET NEW YORK, NY 10017 TEL: 212.647.0888
MEP ENGINEER	JAROS, BAUM & BOLLES 80 FINE STREET, 10TH FLOOR NEW YORK, NY 10038 TEL: 212.512.0000
CIVIL ENGINEER	AKRF ENGINEERING, P.C. 440 PARK AVE SOUTH, 7TH FLOOR NEW YORK, NY 10004 TEL: 800.388.0039
ACOUSTICS	LONGMAN LINDSEY 41 WEST 59TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212.759.2000
INTERIORS	STUDIO SCHAFFL 300 WASHINGTON STREET NEW YORK, NY 10003 TEL: 212.431.1000
FAÇADE	BURRO HANFPOLD 90 BROADWAY NEW YORK, NY 10003 TEL: 212.264.2000
VERTICAL TRANSPORTATION	VAN DEUSEN & ASSOCIATES 7 FINESTREET SQUARE 604 LONGFORD, ALBANY, NY TEL: 518.264.4200
RESTORATION	JAN HIRSHKOPFFNY ASSOCIATES 34 WEST 37TH STREET, FLOOR 10A NEW YORK, NY 10018 TEL: 212.751.4400
GEOTECH	EMPC 225 WEST 59TH STREET, 6TH FLOOR NEW YORK, NY 10019 TEL: 212.259.0000
LIGHTING	LOEBERWATHE INTERNATIONAL 100 WASHINGTON STREET, 7TH FLOOR EAST NEW YORK, NY 10003 TEL: 212.251.4400



PROPERTY MARKETS GROUP	1 EAST 17TH STREET, 2ND FLOOR NEW YORK, NY 10003 TEL: 212.610.2000
------------------------	--

Shauqat Shaikh
Building
APPROVED
Under Directive 2 of 1975
DATE: 08/25/2015
NYC Development Hub

111 WEST 57TH STREET
111 WEST 57TH STREET



1 59TH-64TH FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

- NOTES
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS
 2. SLAB THICKNESS TO BE 12" U.O.N. THIS ON PLAN
 3. BOTTOM REINFORCEMENT TO BE #5@12" E-W CONTINUOUS FOR 12" SLAB
#5@12" E-W CONTINUOUS FOR 8" SLAB
#5@12" E-W CONTINUOUS FOR 18" SLAB
 4. FOR BALANCE OF NOTES SEE DRAWING S-510.

1	3/27/15	DOB PAA
	5/1/14	DOB FILING SET
NO.	DATE	REVISION

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DRAWING TITLE
59TH-64TH FLOOR FRAMING PLAN

SEAL & SIGNATURE	DATE	5/1/14
	PROJECT NO.	13151140
	DRAWN BY	CADD
	CHECKED BY	CL
	DOB NO.	
	DRAWING NUMBER	S-590.01



JDS DEVELOPMENT GROUP
124 FIFTH AVENUE, 8TH FLOOR
NEW YORK, NY 10011
NY 646.602.2800

ARCHITECT
SNIP ARCHITECTS, P.C.
230 BROADWAY, 11TH FLOOR
NEW YORK, NY 10038
NY 212.689.0909

STRUCTURAL ENGINEER
WEP CANFOR BERNUK
220 EAST 43RD STREET
NEW YORK, NY 10017
NY 212.647.2888

MEP ENGINEER
JARDS, BAUM & ROLLES
80 FINE STREET, 10TH FLOOR
NEW YORK, NY 10038
NY 212.233.8800

CIVIL ENGINEER
AKRF ENGINEERING, P.C.
440 PARK AVE SOUTH, 7TH FLOOR
NEW YORK, NY 10036
NY 646.388.0028

ACOUSTICS
LONGMAN LINDSEY
41 WEST 59TH STREET, 4TH FLOOR
NEW YORK, NY 10019
NY 917.289.2800

INTERIORS
STUDIO SCHAFFEL
300 MANHATTAN STREET
NEW YORK, NY 10032
NY 212.421.1300

FAÇADE
BURRO HANFORD
90 BROADWAY
NEW YORK, NY 10003
NY 212.244.2525

VERTICAL TRANSPORTATION
VAN DEUSEN & ASSOCIATES
7 FINESTREET SQUARE, 6TH
LONDON, ONTARIO, CANADA
NY 416.468.4228

RESTORATION
JANI HRD POKORNY ASSOCIATES
34 WEST 37TH STREET, FLOOR 10A
NEW YORK, NY 10018
NY 212.751.4462

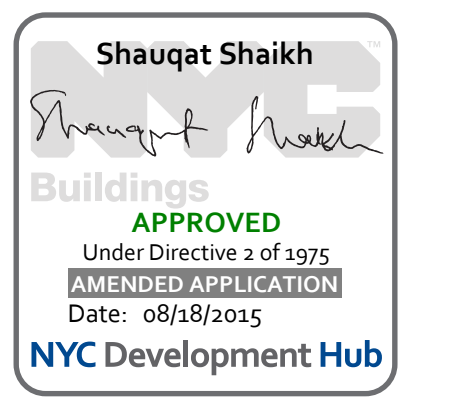
GEO TECH
MPC
125 WEST 59TH STREET, 6TH FLOOR
NEW YORK, NY 10019
NY 917.289.0000

LIGHTING
LOEBERFATHER INTERNATIONAL
100 MANHATTAN STREET, 7TH FLOOR, EAST
NEW YORK, NY 10032
NY 212.281.4462

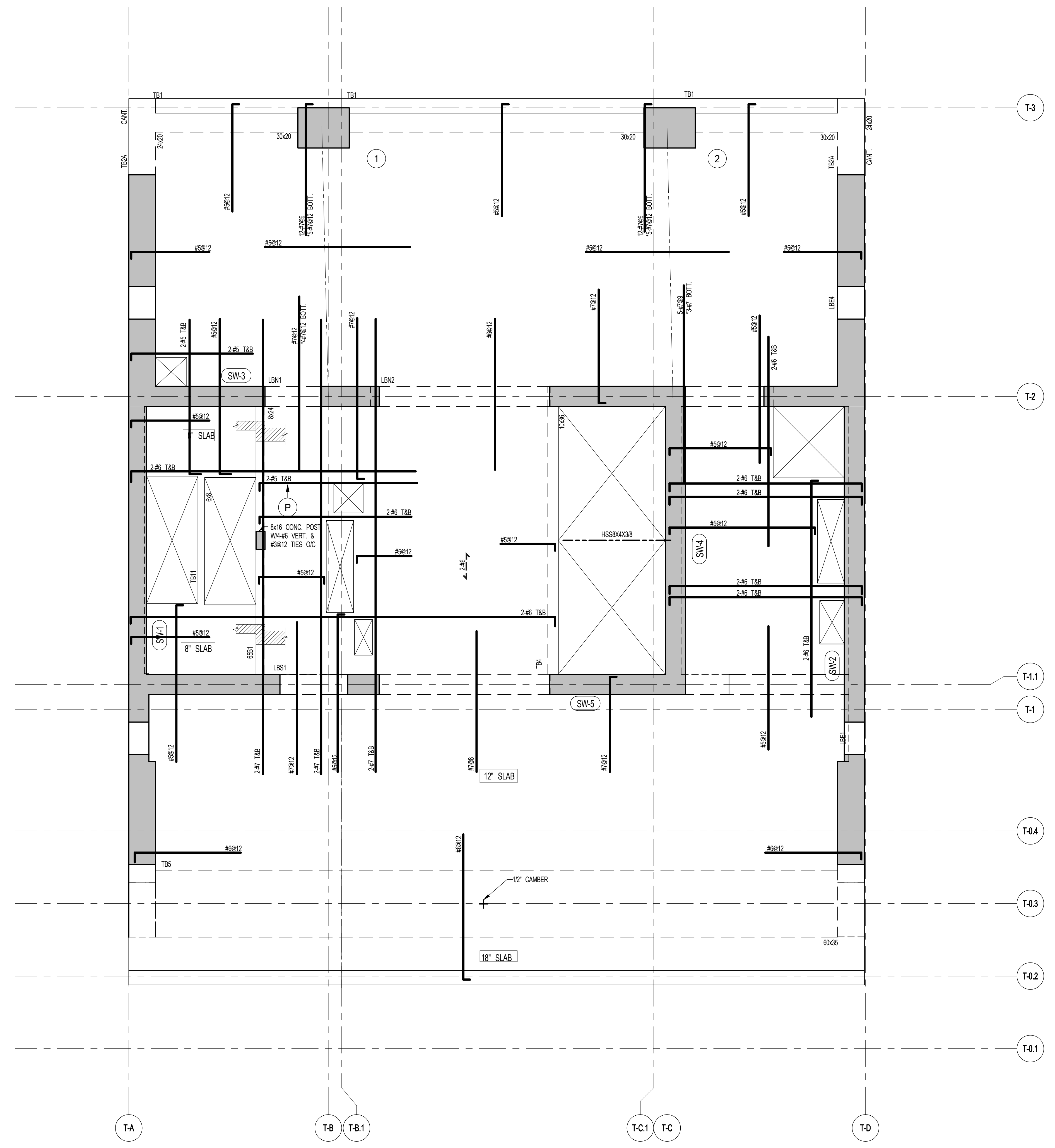
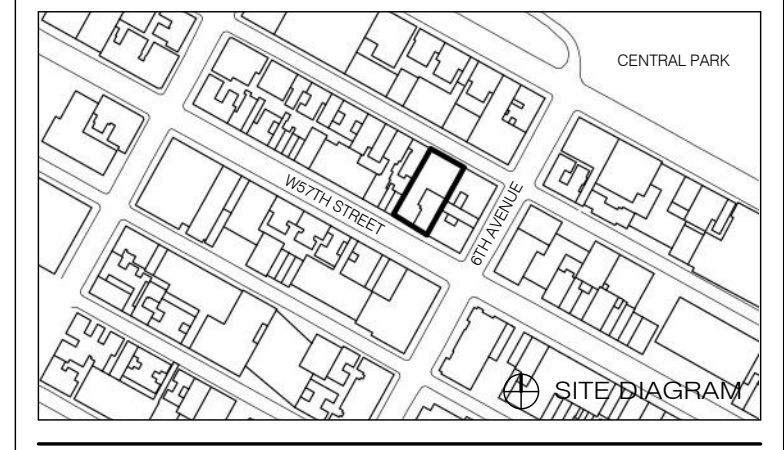


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NEW YORK, NY 10032
NY 212.610.2800

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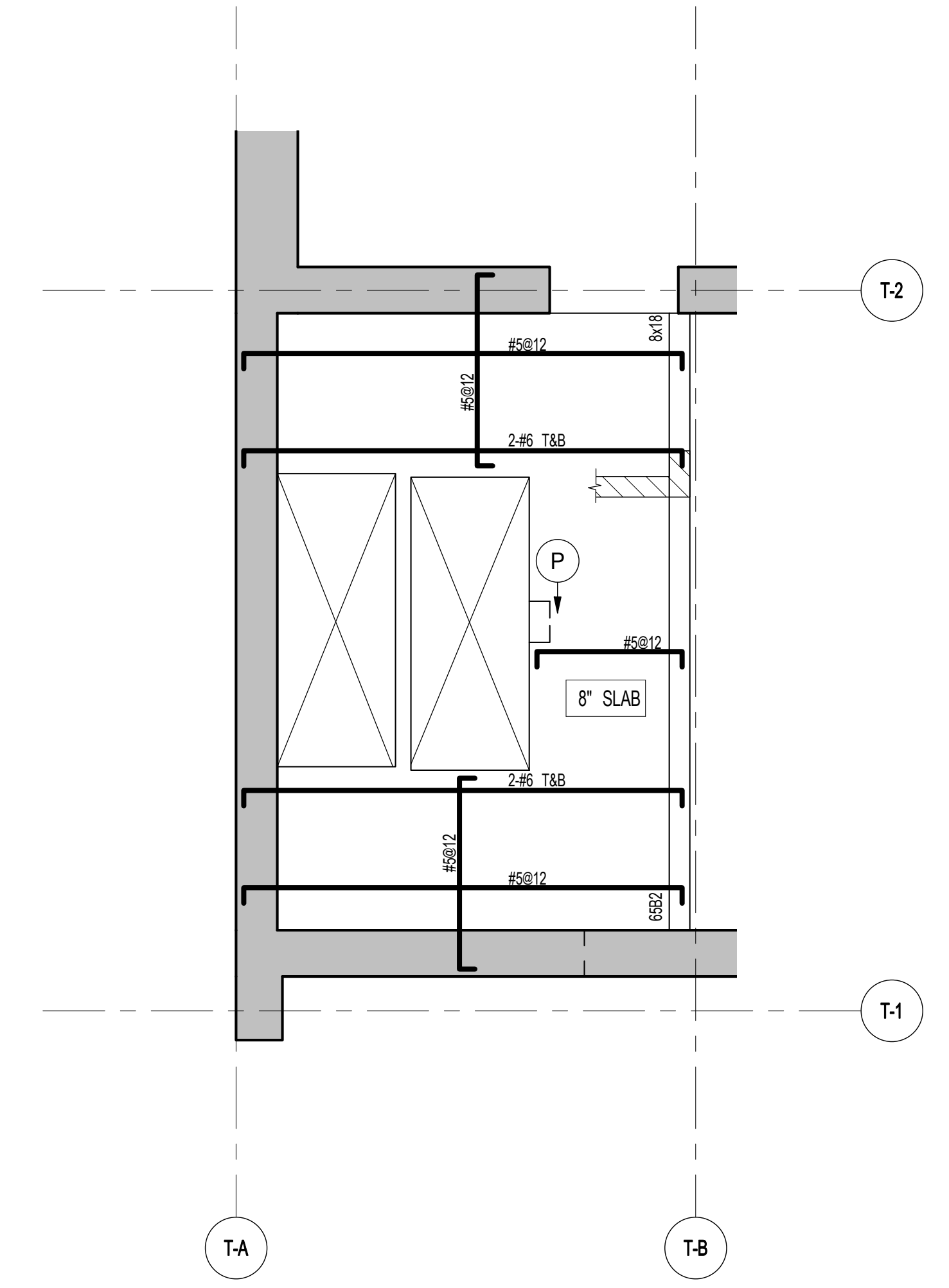


111 WEST 57TH STREET
111 WEST 57TH STREET



1 65TH FLOOR FRAMING PLAN
S-650 SCALE: 1/4" = 1'-0"

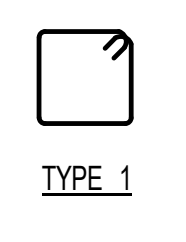
- NOTES:**
- TOP OF SLAB EL. SEE ARCH DRAWINGS.
 - SLAB THICKNESS TO BE 12" U.O.N. THIS [] ON PLAN.
 - BOTTOM REINFORCEMENT TO BE: #5@12' E-W CONTINUOUS FOR 18" SLAB
#5@12' E-W CONTINUOUS FOR 12" SLAB
#5@12' E-W CONTINUOUS FOR 9" SLAB.
 - FOR BALANCE OF NOTES SEE DRAWING S-610.



2 65TH MEZZ FLOOR PART FRAMING PLAN
S-650 SCALE: 1/4" = 1'-0"

65TH FLOOR BEAM SCHEDULE

BEAM MARK	SIZE		REINFORCEMENT		STIRRUPS		REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TYPE	SIZE SPACING	
6581	8	24	2-#7	2-#6	1	#3 @10	65TH FLOOR ONLY
6582	8	18	2-#7	2-#6	1	#3 @8	UPTURNED



TYPE 1

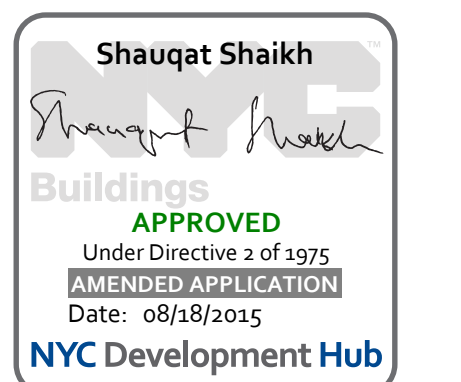
1	3.27.15	DOB PAA
	5.1.14	DOB FILING SET
NO.	DATE	REVISION

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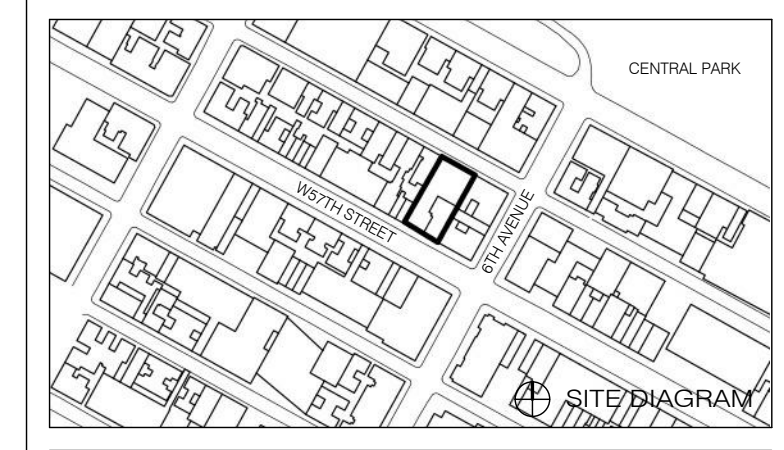
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65TH FLOOR FRAMING PLAN

DATE: 5.1.14
PROJECT NO: 1315140
DRAWN BY: CAD/D
CHECKED BY: CL
DOB NO:
DRAWING NUMBER
S-650.01





111 WEST 57TH STREET
111 WEST 57TH STREET

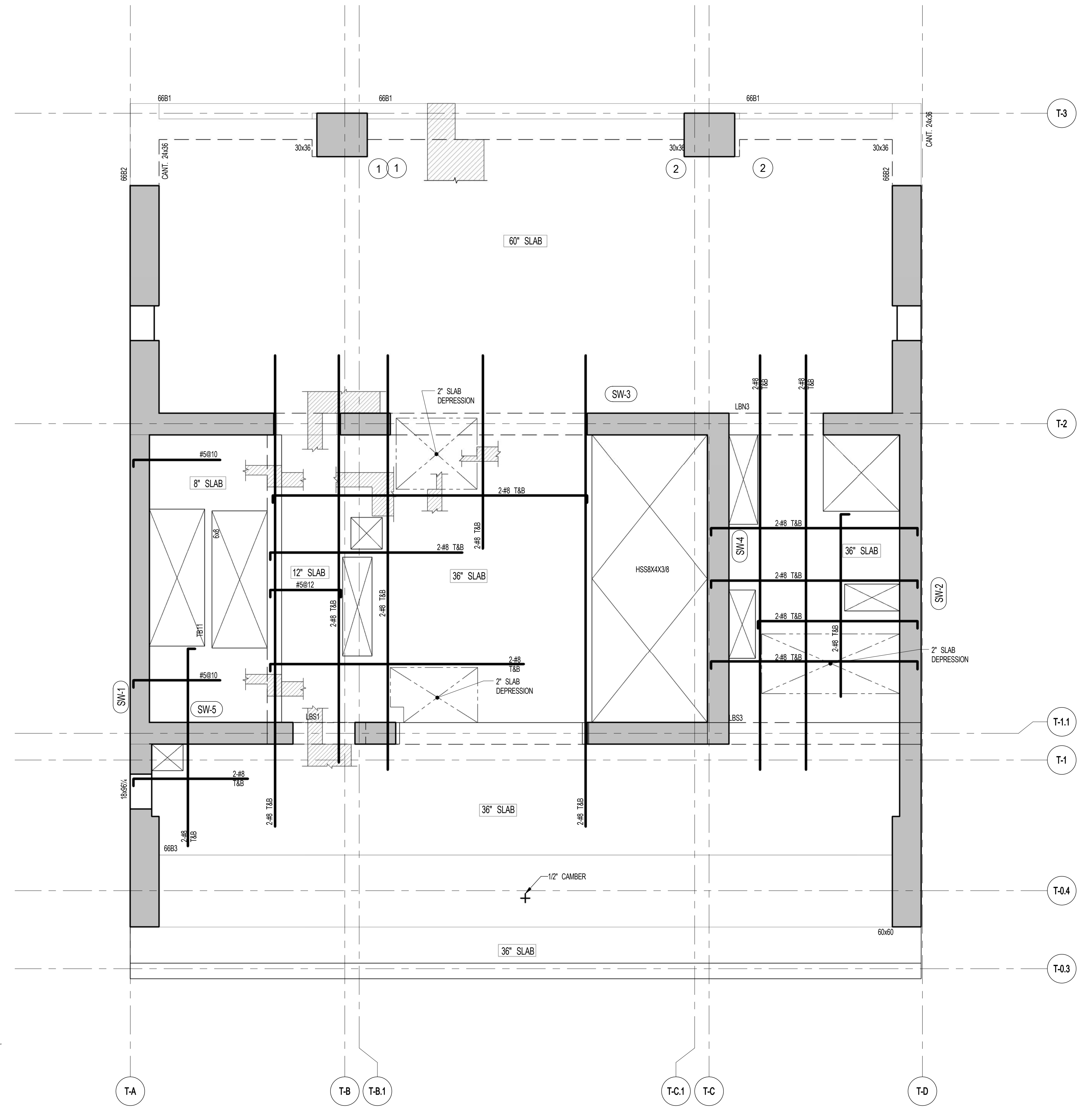


NO.	DATE	REVISION
1	3.27.15	DOB PAA
1	5.1.14	DOB FILING SET

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DRAWING TITLE
66TH FLOOR FRAMING PLAN

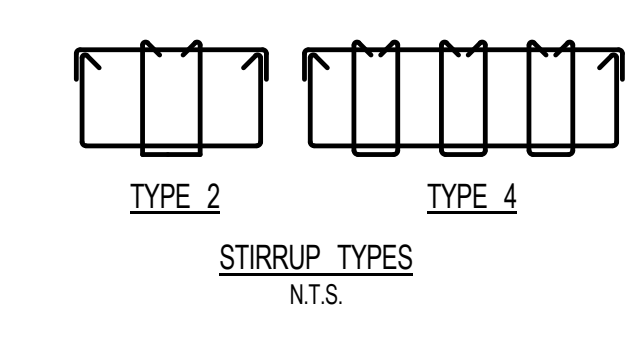
SEAL & SIGNATURE
DATE: 5.1.14
PROJECT NO.: 1310140
DRAWN BY: CADD
CHECKED BY: CL
DOB NO.:
DRAWING NUMBER:
S-660.01



1 66TH FLOOR FRAMING PLAN
S-660 SCALE: 1/4" = 1'-0"

NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
2. SLAB THICKNESS TO BE 12" U.O.N. THIS ON PLAN.
3. REINFORCEMENT TO BE: #18@TOP & BOTT. E.W. CONTINUOUS FOR 60" SLAB
#8@12" TOP & BOTT. E.W. CONTINUOUS FOR 36" SLAB
#8@12" BOTT. E.W. CONTINUOUS FOR 12" SLAB
#8@12" BOTT. E.W. CONTINUOUS FOR 8" SLAB
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

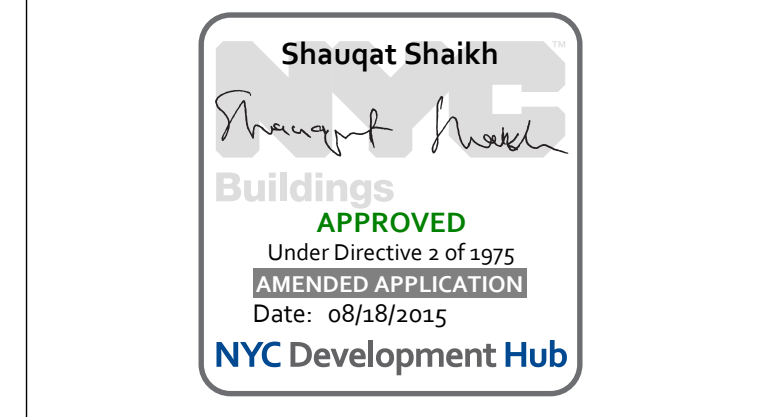
BEAM MARK	SIZE		REINFORCEMENT		STIRRUPS		REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TYPE	SIZE SPACING	
66B1	30	36	5-#9	5-#8	2	#4 @16	
66B2	24	36	5-#9	5-#8	2	#4 @16	
66B3	60	60	14-#11	14-#11	4	#4 @24	



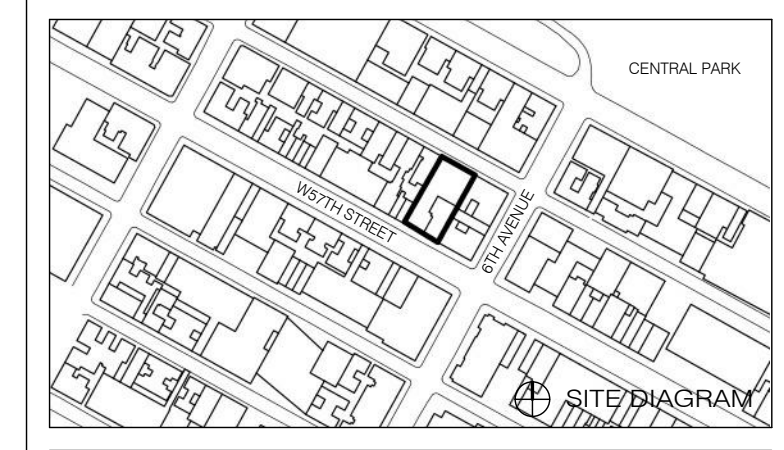
ARCHITECT	SHAP ARCHITECTS, P.C. 220 BROADWAY, 11TH FLOOR NEW YORK, NY 10038 NY 212 693 9336	FAÇADE	BURRO WERFIELD 100 BROADWAY NEW YORK, NY 10005 NY 212 244 2025
STRUCTURAL ENGINEER	YOSHICANTO NEW YORK 220 EAST 43RD STREET NEW YORK, NY 10017 NY 212 697 2886	VERTICAL TRANSPORTATION	VAN DEUSEN & ASSOCIATES 8 BROADWAY STREET, SUITE 204 LARKSPER, NJ 07033 NY 973 984 8752
MEP ENGINEER	JACOBS 100 FIFTH AVENUE, 10TH FLOOR NEW YORK, NY 10003 NY 212 693 9336	RESTORATION	JAN HRO FOKORNY ASSOCIATES 80 WEST 4TH STREET, 7TH FLOOR NEW YORK, NY 10014 NY 212 228 6462
CIVIL ENGINEER	AWR ENGINEERING, P.C. 60 FIFTH AVE, 20TH FLOOR NEW YORK, NY 10011 NY 212 228 8228	GEOTECH	MTICE 100 WEST 4TH STREET, 4TH FLOOR NEW YORK, NY 10014 NY 917 328 4300
ACOUSTICS	LONGMAN LINDSEY 4 WEST 40TH STREET, 4TH FLOOR NEW YORK, NY 10018 NY 917 328 3389	LIGHTING	CONSERVATORIE INTERNATIONAL 100 WALKER STREET, 7TH FLOOR EAST NEW YORK, NY 10002 NY 212 475 1300
INTERIORS	STUDIO JOSEPH 200 WALKER STREET NEW YORK, NY 10002 NY 212 475 1300		



PROPERTY MARKETS GROUP
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NEW YORK, NY 10014
NY 212 693 9336
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111 WEST 57TH STREET
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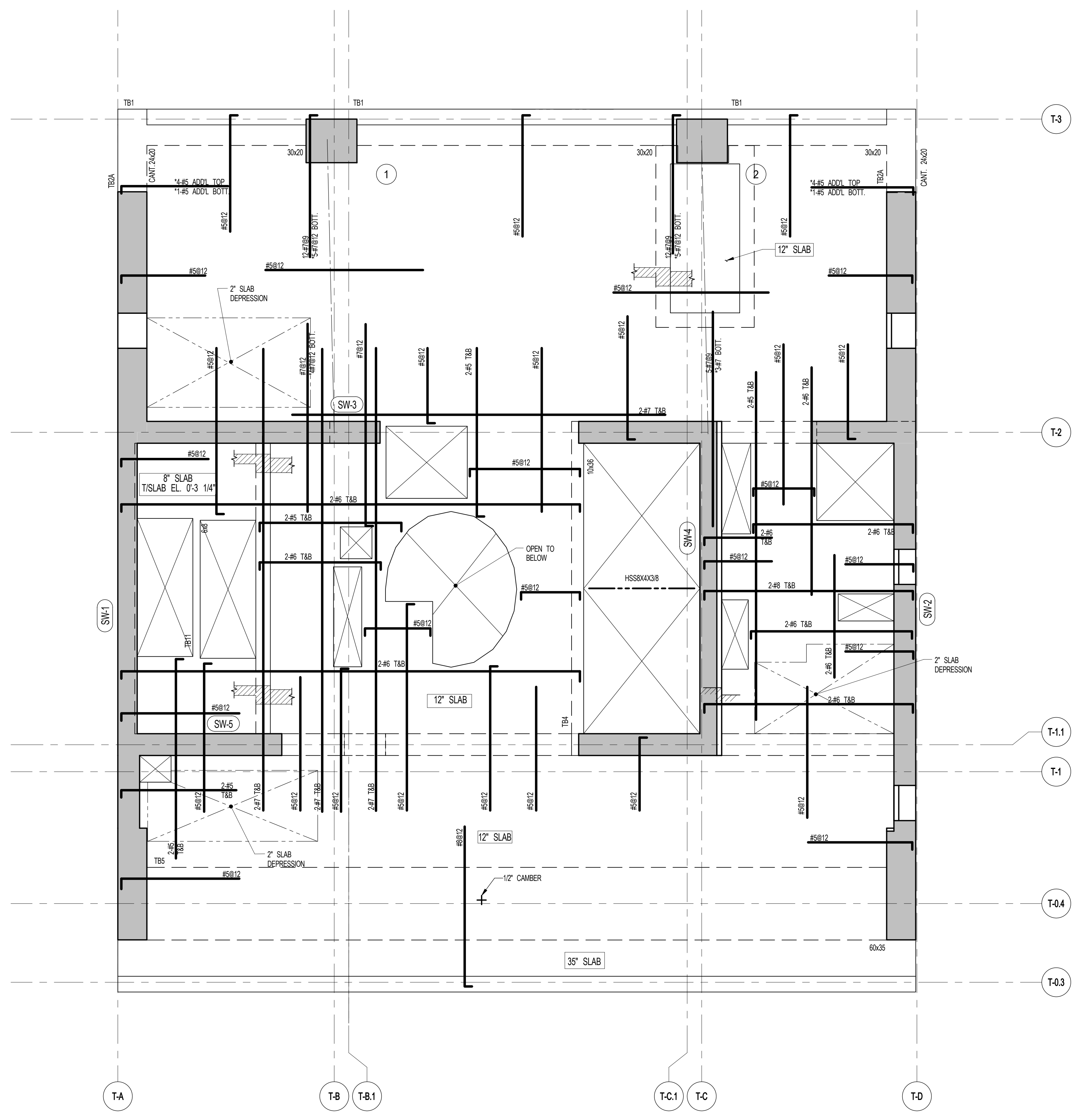


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NO.	DATE	REVISION

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67TH & 69TH FLOOR FRAMING PLAN

SEAL & SIGNATURE	DATE	3/27/15
PROJECT NO.	1310140	
DRAWN BY	CADD	
CHECKED BY	CL	
DOB NO.	0915	
DRAWING NUMBER	S-670.00	



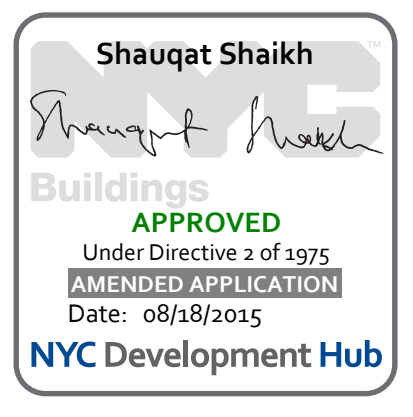
1 67TH & 69TH FLOOR FRAMING PLAN
S-670
SCALE: 1/4" = 1'-0"

NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS
2. TOP OF SLAB THICKNESS TO BE 12" U.O.N. THIS PLAN
3. BOTTOM REINFORCEMENT TO BE #5@12" E-W CONTINUOUS FOR 30' SLAB
#5@12" E-W CONTINUOUS FOR 12' SLAB
#5@12" E-W CONTINUOUS FOR 8' SLAB
4. FOR BALANCE OF NOTES SEE DRAWING S-610

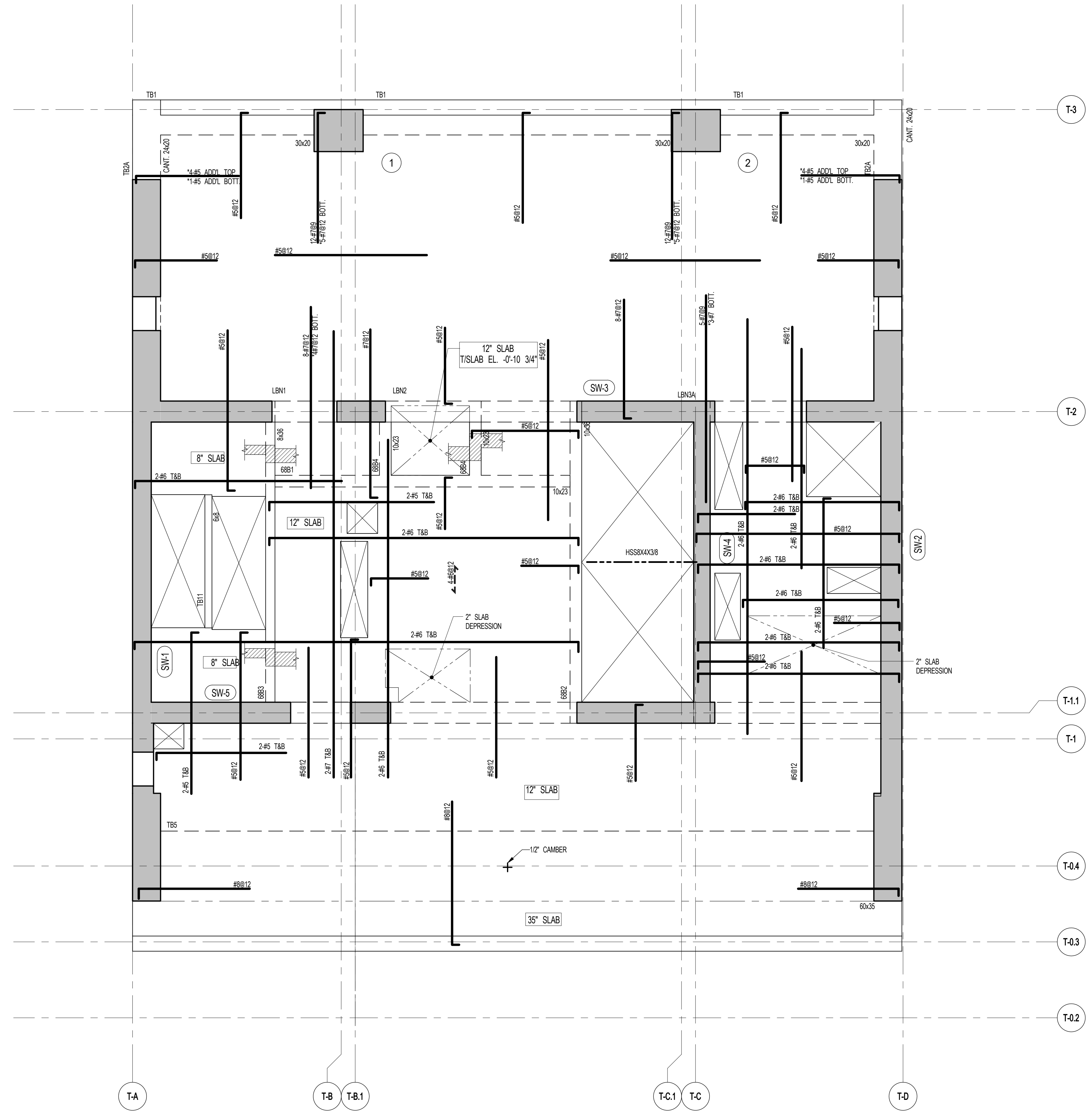
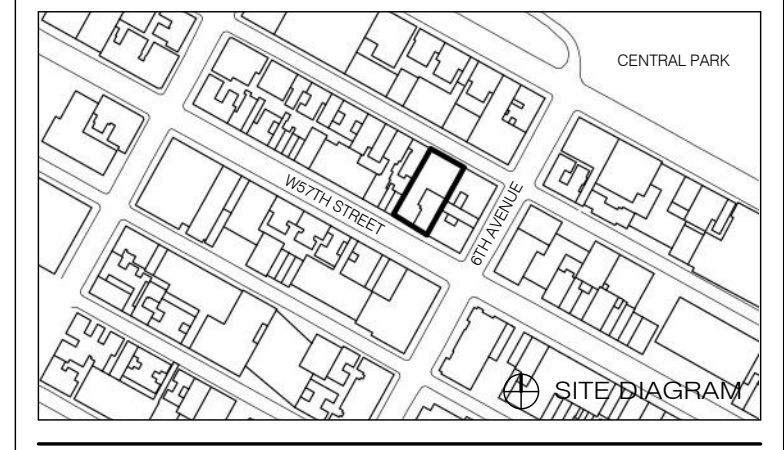
ARCHITECT SNIP ARCHITECTS, P.C. 230 BROADWAY, 11TH FLOOR NEW YORK, NY 10038 TEL: 212.686.0000	STRUCTURAL ENGINEER WSP CAMTON BENJIK 220 EAST 43RD STREET NEW YORK, NY 10017 TEL: 212.647.0888	MEP ENGINEER JACOBS, BAUM & BOLLES 80 FINE STREET, 10TH FLOOR NEW YORK, NY 10038 TEL: 212.213.0000	CIVIL ENGINEER AKRF ENGINEERING, P.C. 440 PARK AVE SOUTH, 17TH FLOOR NEW YORK, NY 10004 TEL: 646.388.0000	ACoustICS LONGMAN LINDSEY 41 WEST 58TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 917.289.2000	INTERIORS STUDIO SCHAFF 300 WAREHOUSES STREET NEW YORK, NY 10003 TEL: 212.493.1000	FAÇADE BIRDO HANFOLD 100 BROADWAY NEW YORK, NY 10003 TEL: 212.248.2000	VERTICAL TRANSPORTATION VAN DEUSEN & ASSOCIATES FREDERICK STREET, SUITE 604 LONGSTON, ALABAMA TEL: 217.848.4200	RESTORATION JANI HIRSH POKORNY ASSOCIATES 34 WEST 37TH STREET, FLOOR 10A NEW YORK, NY 10018 TEL: 212.755.6400	GEOTECH MPC 225 WEST 37TH STREET, 6TH FLOOR NEW YORK, NY 10018 TEL: 917.289.0000	LIGHTING LOEBERKATHE INTERNATIONAL 100 WAREHOUSES STREET, 17TH FLOOR/DAW NEW YORK, NY 10013 TEL: 212.261.4400
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PROPERTY MARKETS GROUP
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NEW YORK, NY 10003
TEL: 212.610.2000
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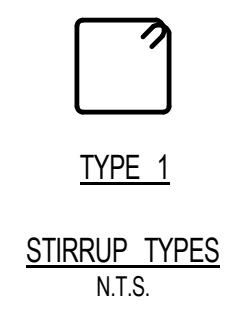
111 WEST 57TH STREET
111 WEST 57TH STREET



1 68TH FLOOR FRAMING PLAN
S-680 SCALE: 1/4" = 1'-0"

- NOTES
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
 2. SLAB THICKNESS TO BE 12" U.O.D. THIS [] ON PLAN.
 3. BOTTOM REINFORCEMENT TO BE: #8@12" E-W CONTINUOUS FOR 30" SLAB
#8@12" E-W CONTINUOUS FOR 12" SLAB
#4@12" E-W CONTINUOUS FOR 8" SLAB
 4. FOR BALANCE OF NOTES SEE DRAWING 501E.

BEAM MARK	SIZE		REINFORCEMENT			STIRRUPS		REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TYPE	SIZE	SPACING	
6861	10	23	3-#8	2-#8	1	#4	@10	
6862	10	36	3-#8	2-#8	1	#4	@16	
6863	8	36	3-#8	3-#8	1	#4	@16	
6864	10	23	2-#7	2-#7	1	#4	@10	



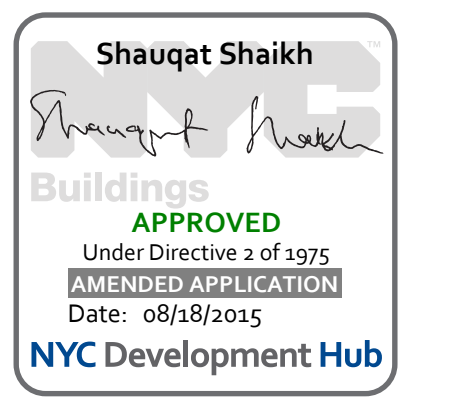
1	3.27.15	DOB PAA
	5.1.14	DOB FILING SET
NO.	DATE	REVISION

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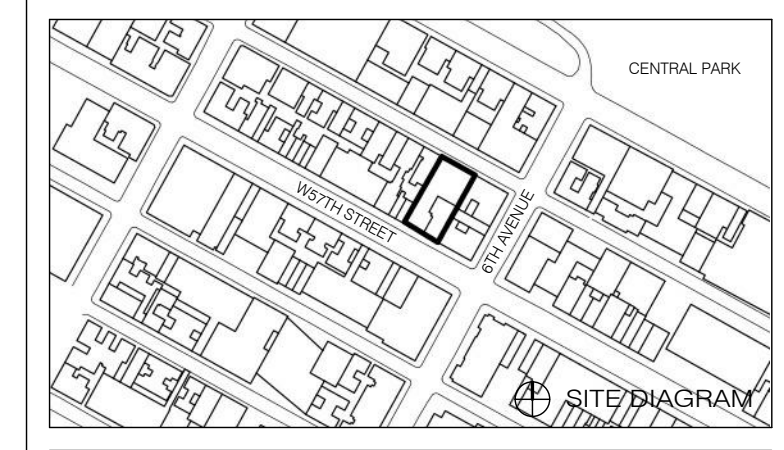
68TH FLOOR FRAMING PLAN

DATE: 5.1.14
PROJECT NO: 13151140
DRAWN BY: CAD/D
CHECKED BY: CL
DRAWING NUMBER: S-680.01





111 WEST 57TH STREET
111 WEST 57TH STREET

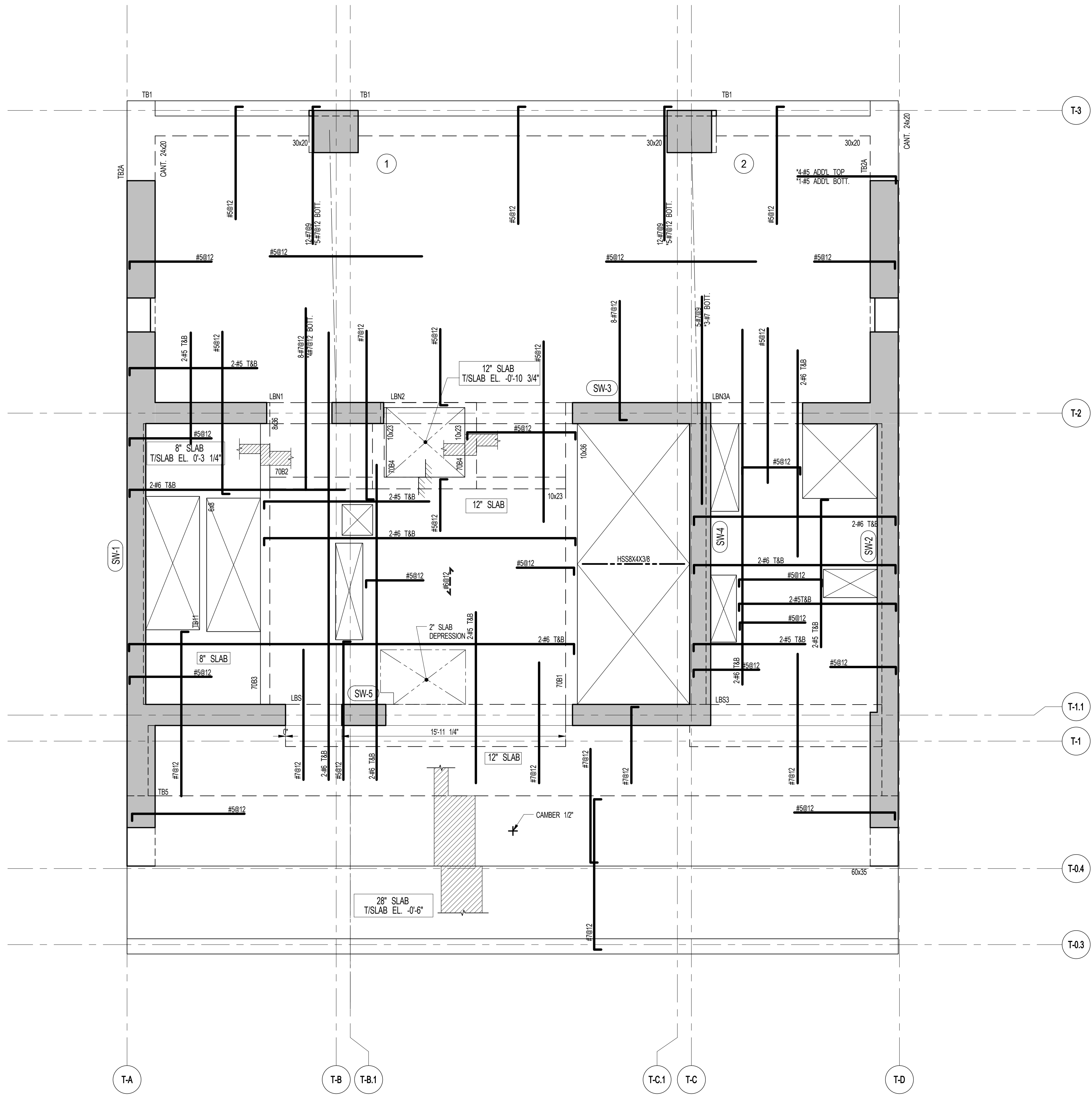


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1	3/27/15	DOB PRA

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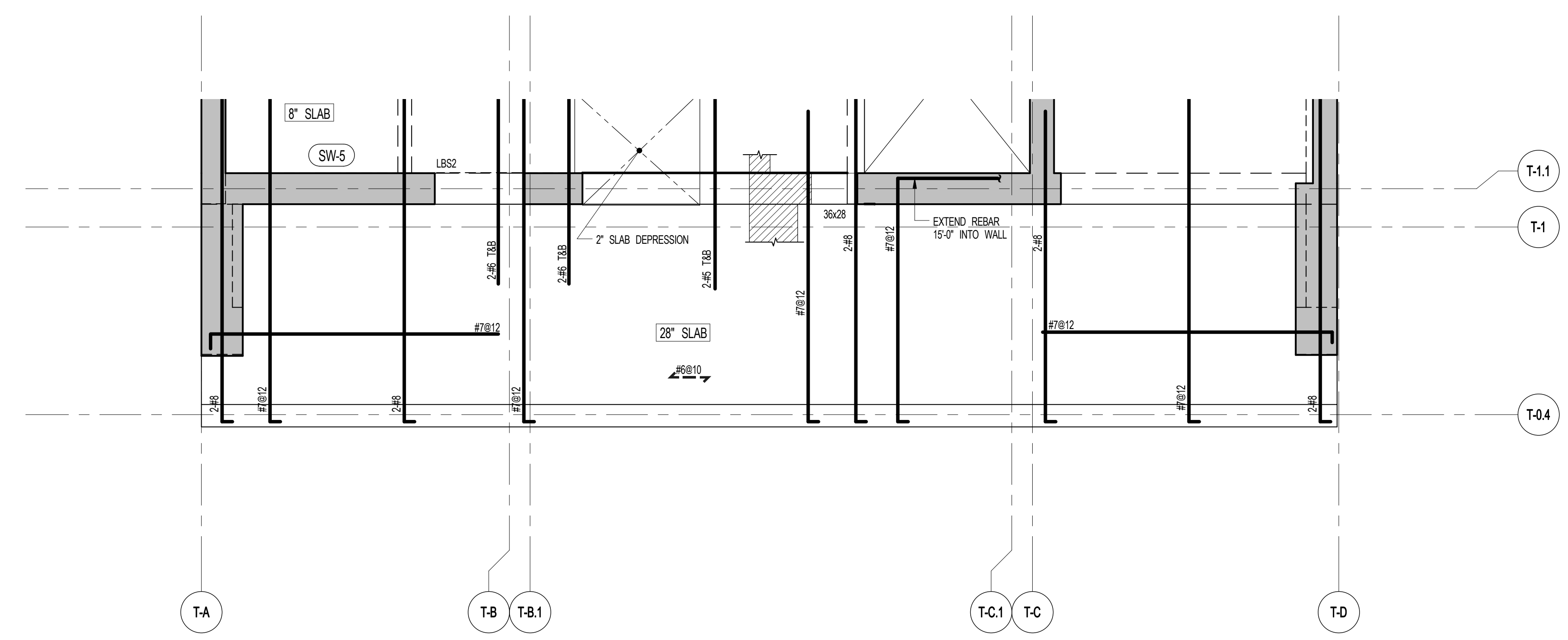
70TH & 72ND FLOOR FRAMING PLANS

SEAL & SIGNATURE	DATE	3/27/15
PROJECT NO.	1310140	
DRAWN BY	CADD	
CHECKED BY	CL	
DOB NO.	09175	
DRAWING NUMBER	S-700.00	



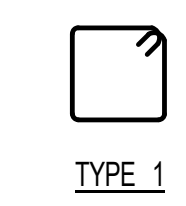
1 70TH & 72ND FLOOR FRAMING PLAN
S-700 SCALE: 1/4" = 1'-0"

NOTES:
1. TOP OF SLAB EL. SEE ARCH DRAWINGS.
2. SLAB THICKNESS TO BE 12" UNLESS NOTED OTHERWISE ON PLAN.
3. BOTTOM REINFORCEMENT TO BE: #7@12 E.W. CONTINUOUS FOR 28" SLAB
#8@12 E.W. CONTINUOUS FOR 12" SLAB
#4@12 E.W. CONTINUOUS FOR 8" SLAB
4. FOR BALANCE OF NOTES SEE DRAWING S-610.



2 72ND FLOOR PART FRAMING PLAN
S-700 SCALE: 1/4" = 1'-0"

BEAM MARK	SIZE		REINFORCEMENT		STIRRUPS		REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TYPE	SIZE SPACING	
70B1	10	36	3-#8	2-#8	1	#4 @16	
70B2	10	23	3-#8	2-#8	1	#4 @10	
70B3	8	36	3-#8	2-#8	1	#4 @20	
70B4	10	23	2-#7	2-#7	1	#4 @10	

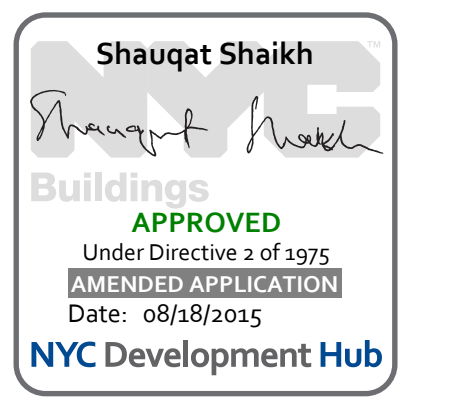


ARCHITECT	SHAP ARCHITECTS, P.C. 220 BROADWAY, 11TH FLOOR NEW YORK, NY 10005 NY 212 689 9300	FAÇADE	BURRO WASSERFELD 100 BROADWAY NEW YORK, NY 10005 NY 212 254 2025
STRUCTURAL ENGINEER	TOPP CONSULTING GROUP 220 EAST 43RD STREET NEW YORK, NY 10017 NY 212 697 2886	VERTICAL TRANSPORTATION	VAN DEUSEN & ASSOCIATES 1 BROADWAY, SUITE 200 LARKSPER, NJ 07033 NJ 908 388 8000
MEP ENGINEER	JORDS, BALM & BOLLER 80 WINE STREET, 12TH FLOOR NEW YORK, NY 10005 NY 212 689 9300	RESTORATION	JAN HRO POKORNY ASSOCIATES 80 WEST 44TH STREET, 7TH FLOOR NEW YORK, NY 10018 NY 212 259 6462
CIVIL ENGINEER	AWR ENGINEERING, P.C. 80 WEST 44TH STREET, 7TH FLOOR NEW YORK, NY 10018 NY 212 259 6462	GEOTECH	MTC 305 WEST 4TH STREET, 4TH FLOOR NEW YORK, NY 10014 NY 917 288 4000
ACOUSTICS	LONGMAN LINDSEY 40 WEST 40TH STREET, 4TH FLOOR NEW YORK, NY 10018 NY 917 288 3300	INTERIORS	STUDIOS JOSEPH 20 WALKER STREET NEW YORK, NY 10002 NY 212 475 1300
INTERIORS	STUDIOS JOSEPH 20 WALKER STREET NEW YORK, NY 10002 NY 212 475 1300	CONSERVATION INTERNATIONAL	CONSERVATION INTERNATIONAL 100 WALKER STREET, 7TH FLOOR EAST NEW YORK, NY 10002 NY 212 252 4463



PROPERTY MARKETS GROUP
100 WEST 4TH STREET, 2ND FLOOR
NEW YORK, NY 10002
NY 212 689 9300

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111 WEST 57TH STREET



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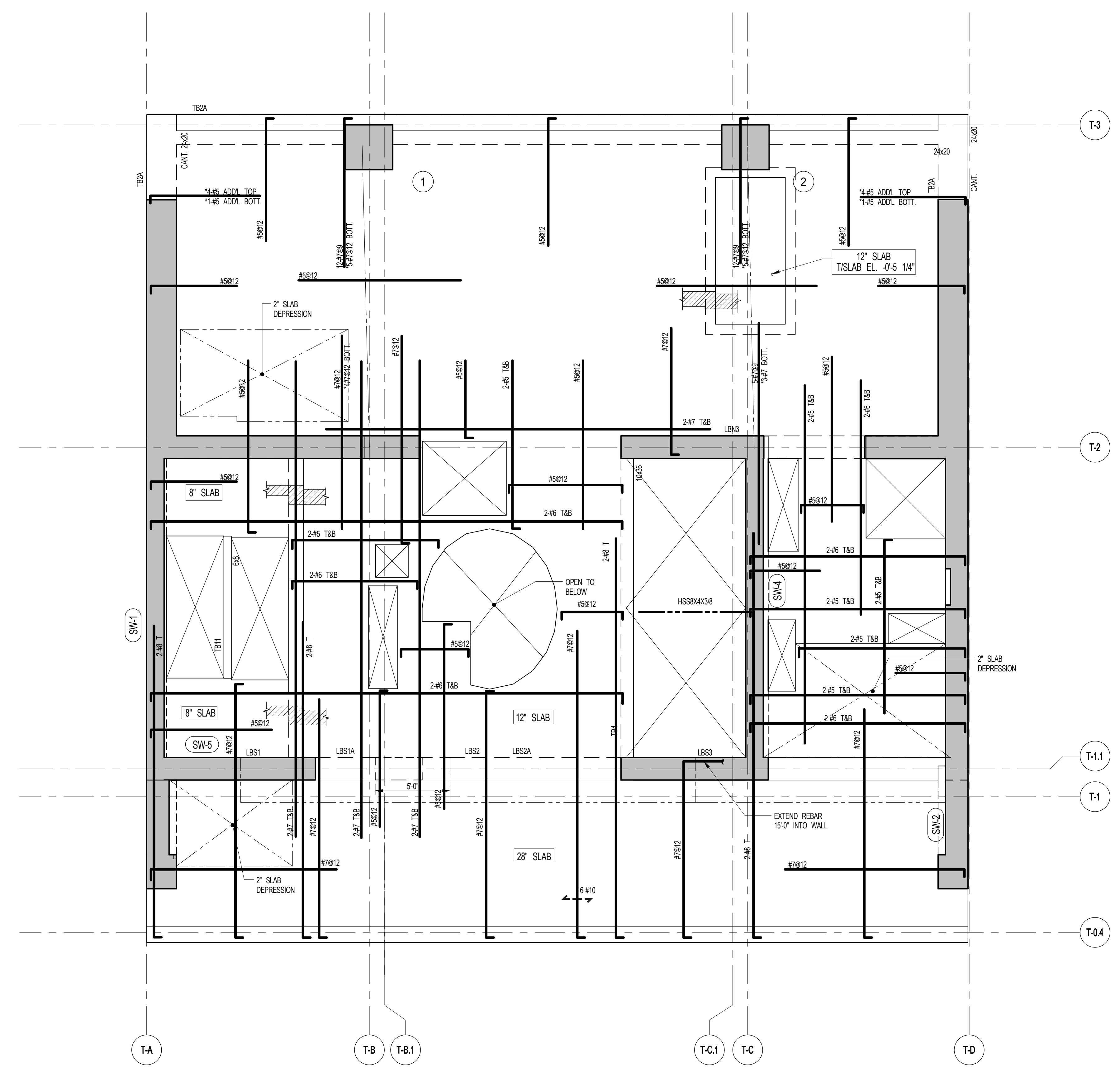
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71ST & 73RD FLOOR FRAMING PLANS

SEAL & SIGNATURE	DATE	3/27/15
PROJECT NO.	1310140	
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DOB NO.		
DRAWING NUMBER		



S-710.00



1 71ST & 73RD FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"

- NOTES:
- TOP OF SLAB EL. SEE ARCH. DRAWINGS.
 - SLAB THICKNESS TO BE 7" UNLESS OTHERWISE NOTED ON PLAN.
 - BOTTOM REINFORCEMENT TO BE: #7@12" E-W, CONTINUOUS FOR 28" SLAB; #5@12" E-W, CONTINUOUS FOR 12" SLAB; #4@12" E-W, CONTINUOUS FOR 8" SLAB.
 - FOR BALANCE OF NOTES SEE DRAWING S-710.

JDS DEVELOPMENT GROUP
134 FIFTH AVENUE, 8TH FLOOR
NEW YORK, NY 10011
TEL: 212.693.2800

ARCHITECT
SHIP ARCHITECTS, P.C.
230 BROADWAY, 11TH FLOOR
NEW YORK, NY 10007
TEL: 212.698.0000

STRUCTURAL ENGINEER
WEP CANON BENJUK
200 EAST 43RD STREET
NEW YORK, NY 10017
TEL: 212.647.2888

MEP ENGINEER
JARDS, BALM & ROLLES
80 FINE STREET, 10TH FLOOR
NEW YORK, NY 10008
TEL: 212.200.0000

CIVIL ENGINEER
AKRF ENGINEERING, P.C.
400 PARK AVE SOUTH, 7TH FLOOR
NEW YORK, NY 10014
TEL: 800.388.0009

ACOUSTICS
LONGMAN LINDSEY
41 WEST 57TH STREET, 4TH FLOOR
NEW YORK, NY 10019
TEL: 212.759.2000

INTERIORS
STUDIO SCHAFFEL
300 PARK AVENUE, 17TH FLOOR
NEW YORK, NY 10022
TEL: 212.451.1000

FAÇADE
BUNO HANFPOLD
90 BROADWAY
NEW YORK, NY 10003
TEL: 212.244.2000

VERTICAL TRANSPORTATION
VAN DEUSEN & ASSOCIATES
7 FINESTREET SQUARE 604
LONGFORD, ALBANY, NY
TEL: 518.462.4500

RESTORATION
JAN HIRSHPOKORNY ASSOCIATES
30 WEST 57TH STREET, 6TH FLOOR
NEW YORK, NY 10019
TEL: 212.751.4400

GEOTECH
MPC
125 WEST 57TH STREET, 6TH FLOOR
NEW YORK, NY 10019
TEL: 212.263.0000

LIGHTING
LOEBERBACHER INTERNATIONAL
100 PARK AVENUE, 17TH FLOOR
NEW YORK, NY 10022
TEL: 212.251.4400

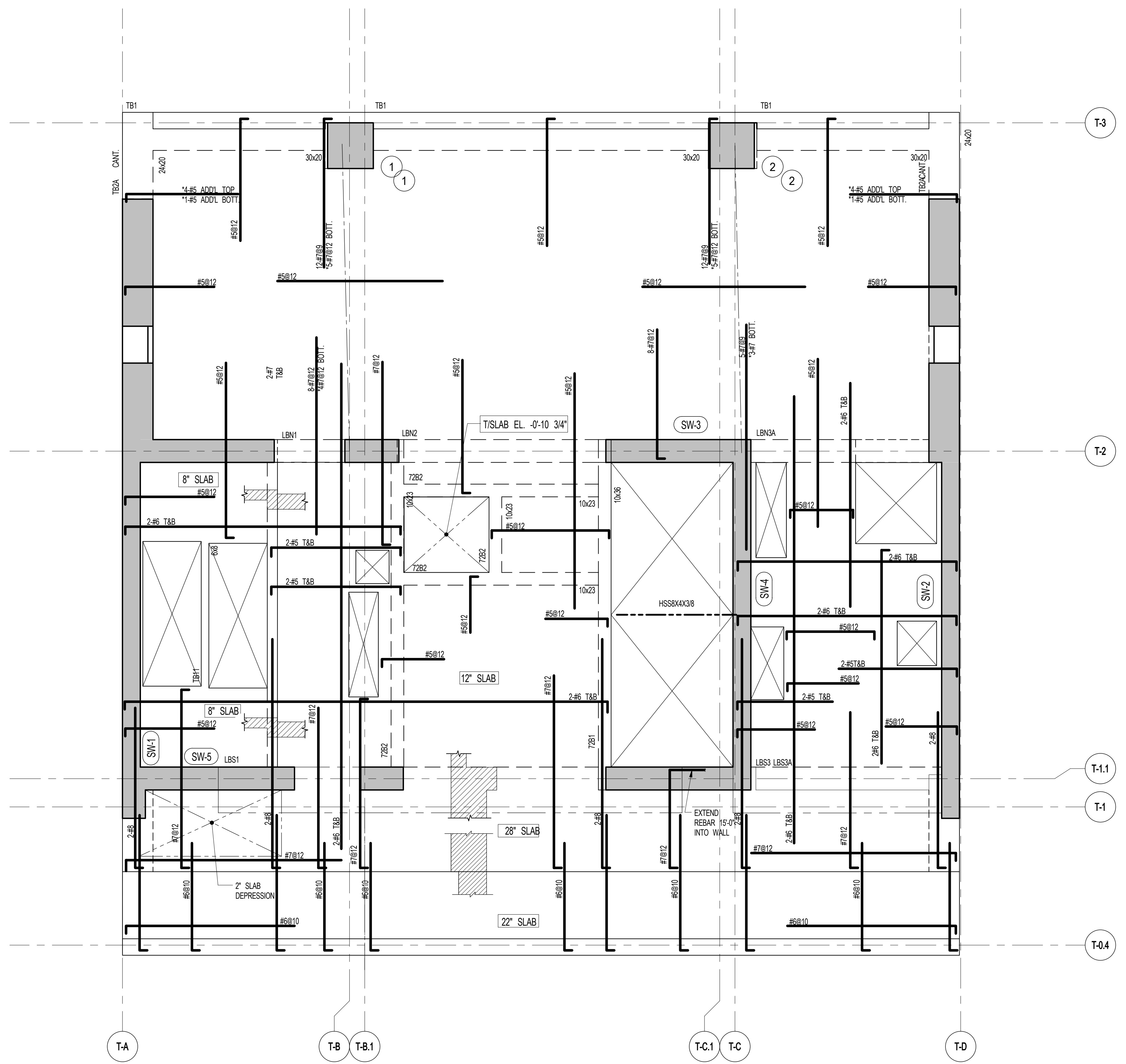
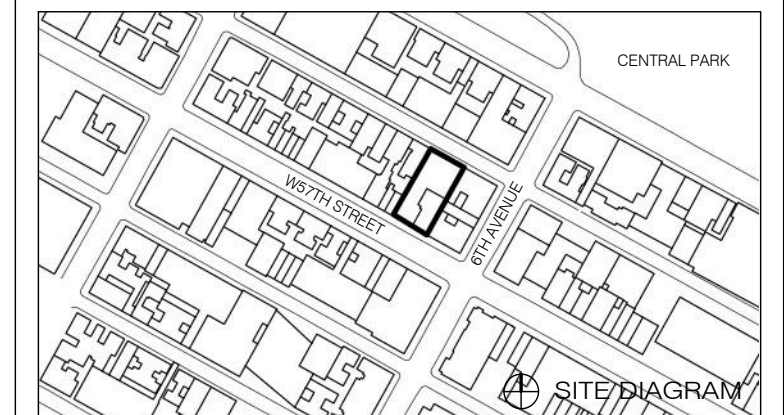


PROPERTY MARKETS GROUP
1 EAST 57TH STREET, 2ND FLOOR
NEW YORK, NY 10022
TEL: 212.610.2000

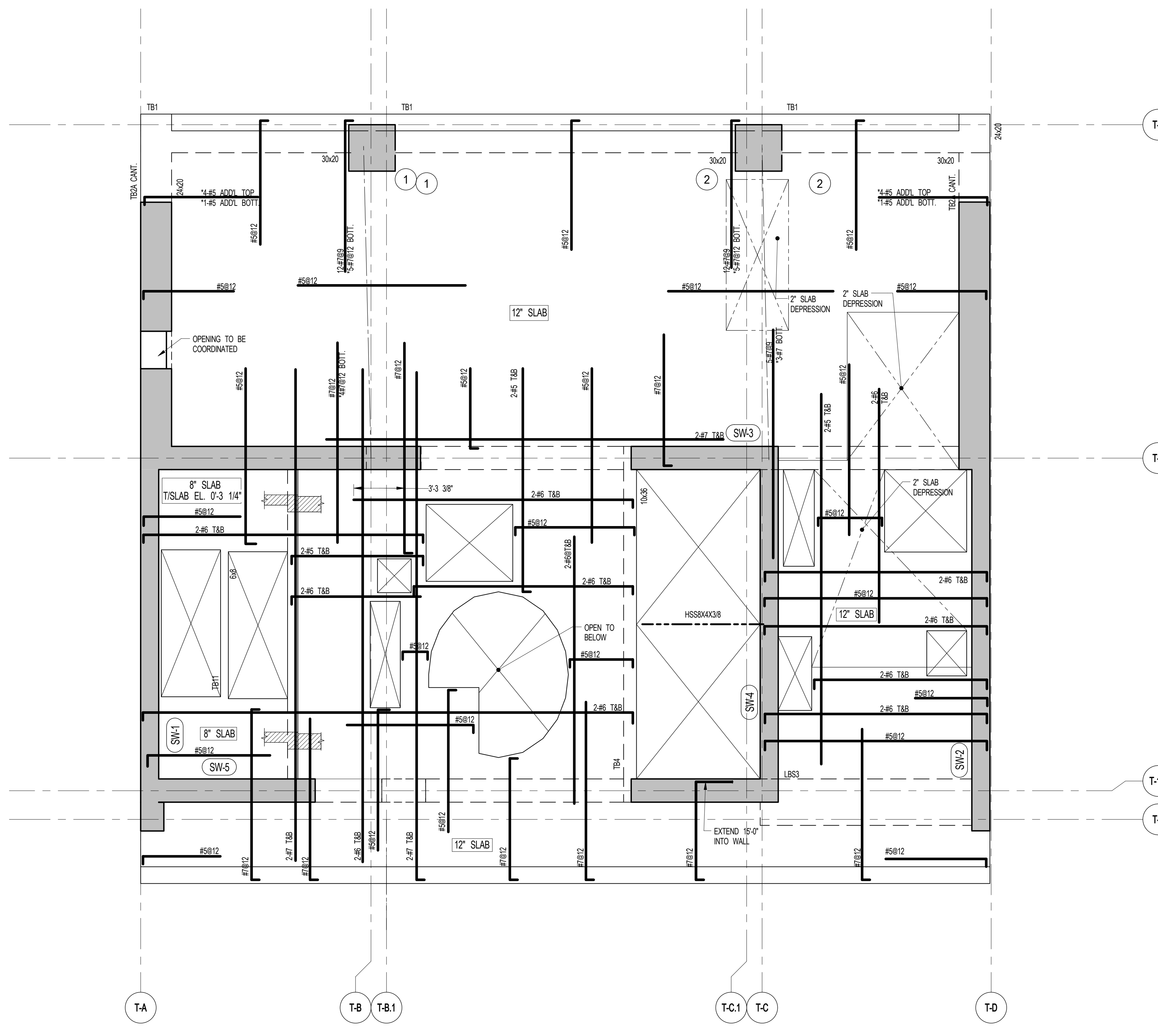
CURRENT ISSUE



111 WEST 57TH STREET
111 WEST 57TH STREET



1 74TH FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"
NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
2. SLAB THICKNESS TO BE 12" UON, THUS E.W. CONTINUOUS FOR 2" SLAB
3. BOTTOM REINFORCEMENT TO BE #5@12 E.W. CONTINUOUS FOR 2" SLAB
#5@12 E.W. CONTINUOUS FOR 2" SLAB
#5@12 E.W. CONTINUOUS FOR 12" SLAB
#4@12 E.W. CONTINUOUS FOR 8" SLAB
4. FOR BALANCE OF NOTES SEE DRAWING S-740.



2 75TH FLOOR FRAMING PLAN
SCALE: 1/4" = 1'-0"
NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
2. SLAB THICKNESS TO BE 12" UON, THUS E.W. CONTINUOUS FOR 12" SLAB
3. BOTTOM REINFORCEMENT TO BE #5@12 E.W. CONTINUOUS FOR 12" SLAB
#4@12 E.W. CONTINUOUS FOR 8" SLAB
4. FOR BALANCE OF NOTES SEE DRAWING S-740.

1	3.27.15	DOB PAA
	5.1.14	DOB FILING SET
NO.	DATE	REVISION

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DRAWING TITLE
74TH & 75TH FLOOR FRAMING PLANS

DATE: 5.1.14
PROJECT NO.: 13151140
DRAWN BY: CAD/D
CHECKED BY: CL
DRAWING NUMBER: S-740.01



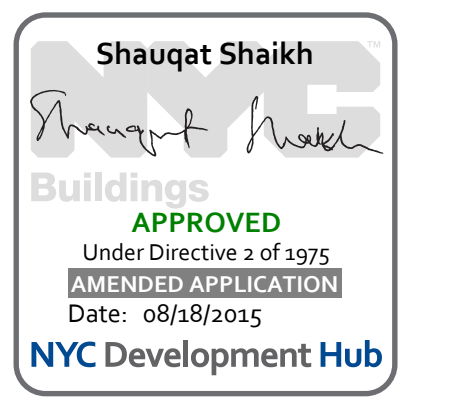
S-740.01

ARCHITECT	SHAP ARCHITECTS, P.C. 220 BROADWAY, 11TH FLOOR NEW YORK, NY 10007 TEL: 212 880 9300
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MEP ENGINEER	JORDIS, BAIAM & BOLLER 30 WING STREET, 12TH FLOOR NEW YORK, NY 10003 TEL: 212 880 9300
CIVIL ENGINEER	PAIR ENGINEERING, P.C. 200 WEST 46TH STREET, 7TH FLOOR NEW YORK, NY 10018 TEL: 212 880 9300
ACOUSTICIAN	LONGMAN LINDSEY 40 WEST 58TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212 880 9300
INTERIORS	STUDIO SCENEFIELD 30 WING STREET, 12TH FLOOR NEW YORK, NY 10003 TEL: 212 880 9300
FAÇADE	BURRO HARRFIELD 100 BROADWAY NEW YORK, NY 10005 TEL: 212 880 9300
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GEOTECH	MTICE 100 WEST 58TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212 880 9300
LIGHTING	CONSERVATIVE INTERNATIONAL 100 WALKER STREET, 7TH FLOOR EAST NEW YORK, NY 10002 TEL: 212 880 9300



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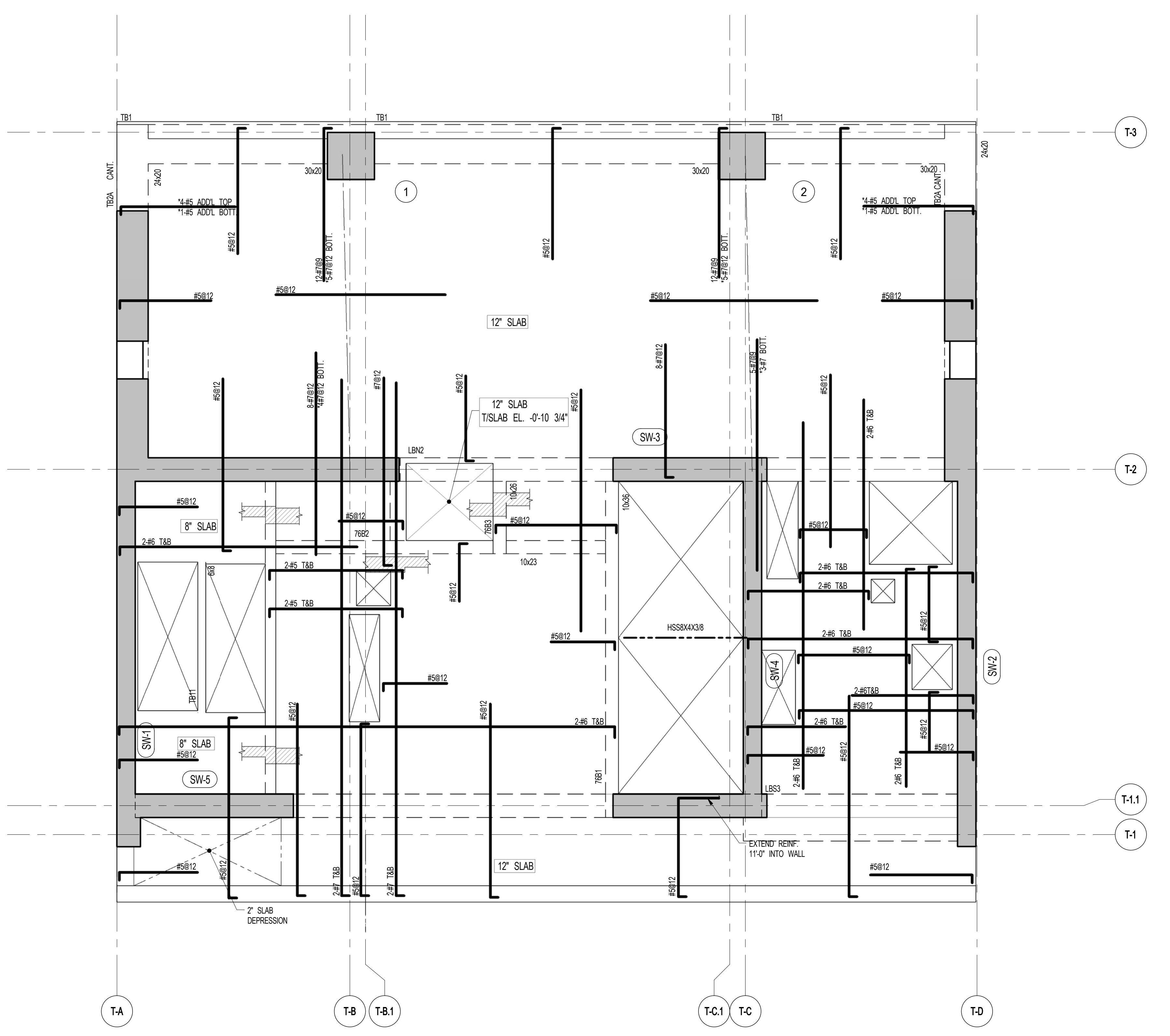
1	3.27.15	DOB PAA
	5.1.14	DOB FILING SET
NO.	DATE	REVISION

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76TH & 77TH FLOOR FRAMING PLANS

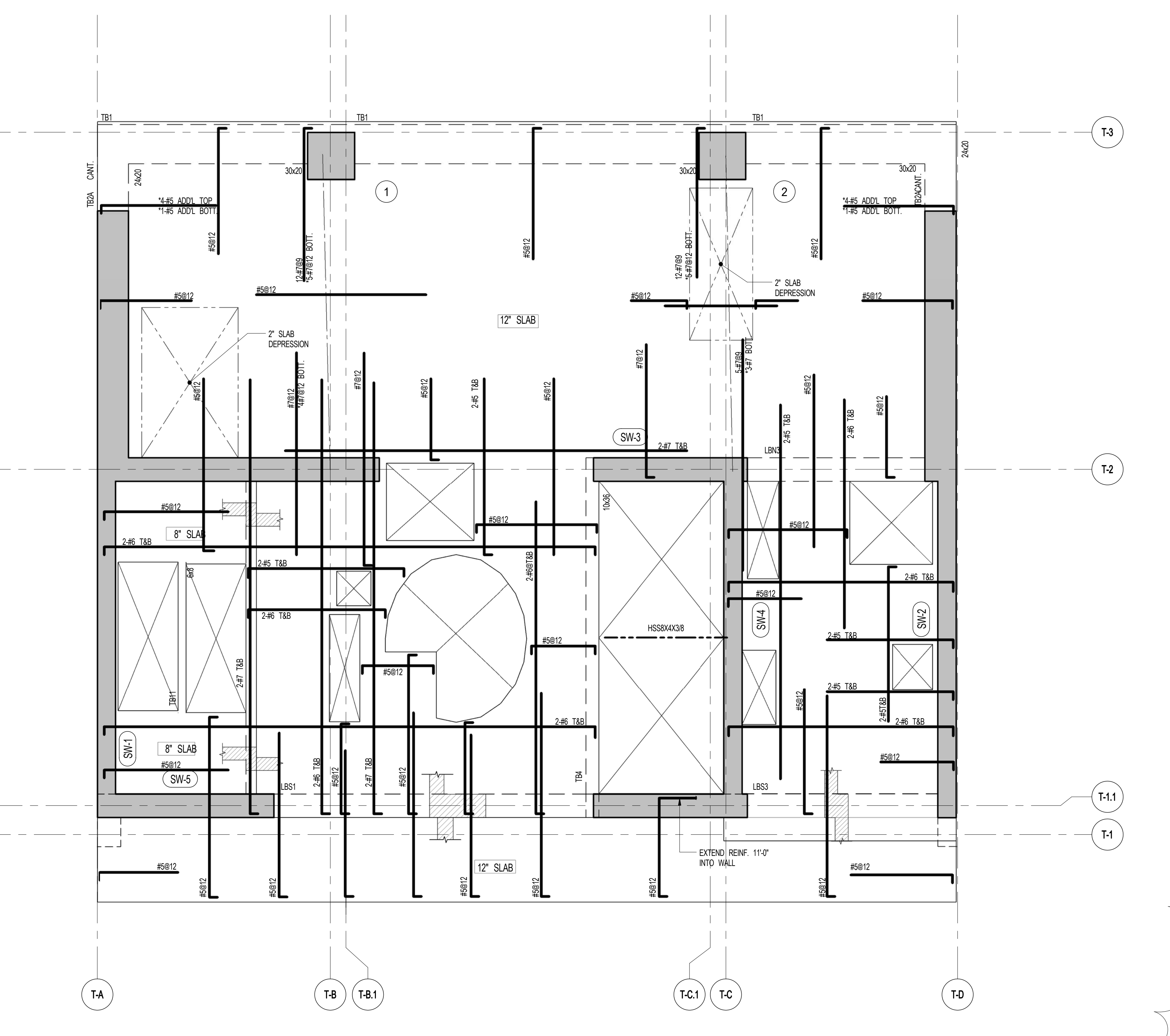
SEAL & SIGNATURE	DATE	5.1.14
	PROJECT NO.	1310140
	DRAWN BY	CADD
	CHECKED BY	CL
	DOB NO.	
	DRAWING NUMBER	

S-760.01



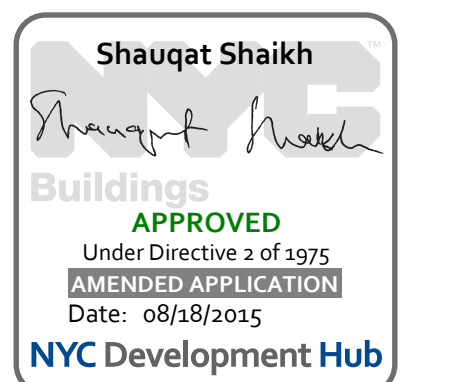
1 76TH FLOOR FRAMING PLAN
S-760 SCALE: 1/4" = 1'-0"

- NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
 2. SLAB THICKNESS TO BE 12" UNLESS OTHERWISE NOTED ON PLAN.
 3. BOTTOM REINFORCEMENT TO BE #5@12" E-W. CONTINUOUS FOR 12" SLAB AND #4@12" E-W. CONTINUOUS FOR 8" SLAB.
 4. TOP AND BOTTOM REINFORCEMENT TO BE #8@14" E-W. CONTINUOUS FOR 8" SLAB.

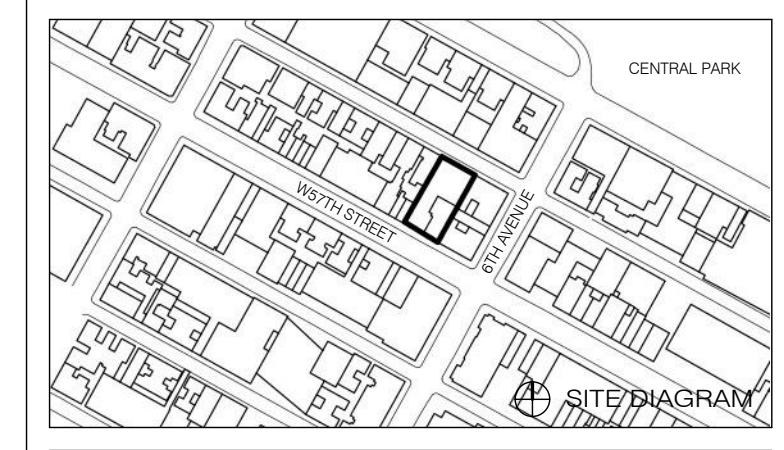


2 77TH FLOOR FRAMING PLAN
S-760 SCALE: 1/4" = 1'-0"

- NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
 2. SLAB THICKNESS TO BE 12" UNLESS OTHERWISE NOTED ON PLAN.
 3. BOTTOM REINFORCEMENT TO BE #8@12" E-W. CONTINUOUS FOR 12" SLAB AND #4@12" E-W. CONTINUOUS FOR 8" SLAB.
 4. TOP AND BOTTOM REINFORCEMENT TO BE #8@14" E-W. CONTINUOUS FOR 8" SLAB.



111 WEST 57TH STREET
111 WEST 57TH STREET



1	3.27.15	DOB PAA
	5.1.14	DOB PLING SET
NO.	DATE	REVISION

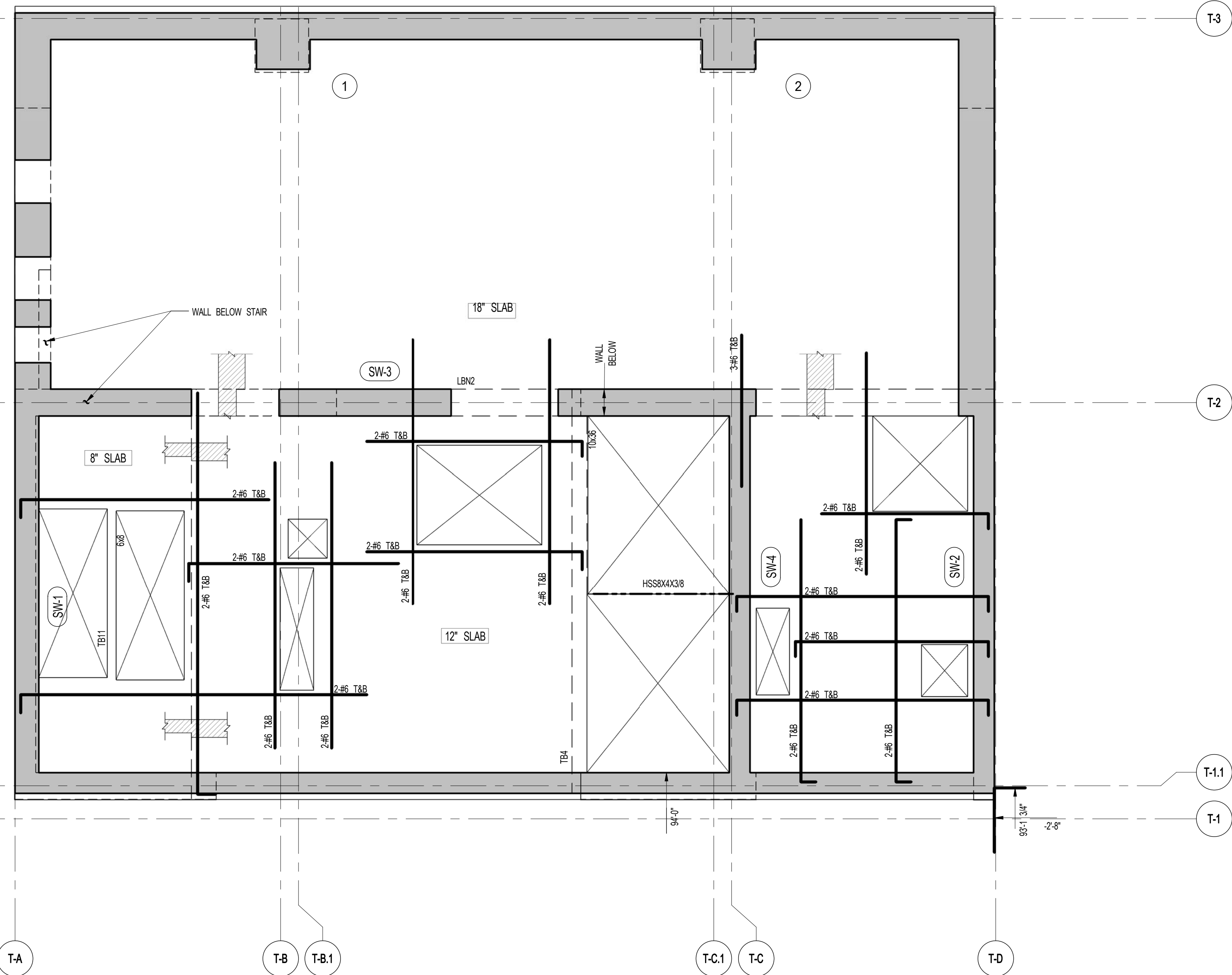
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78TH & 79TH FLOOR FRAMING PLANS

SEAL & SIGNATURE	DATE	5.1.14
	PROJECT NO.	1310140
	DRAWN BY	CADD
	CHECKED BY	CL
	DOB NO.	
	DRAWING NUMBER	

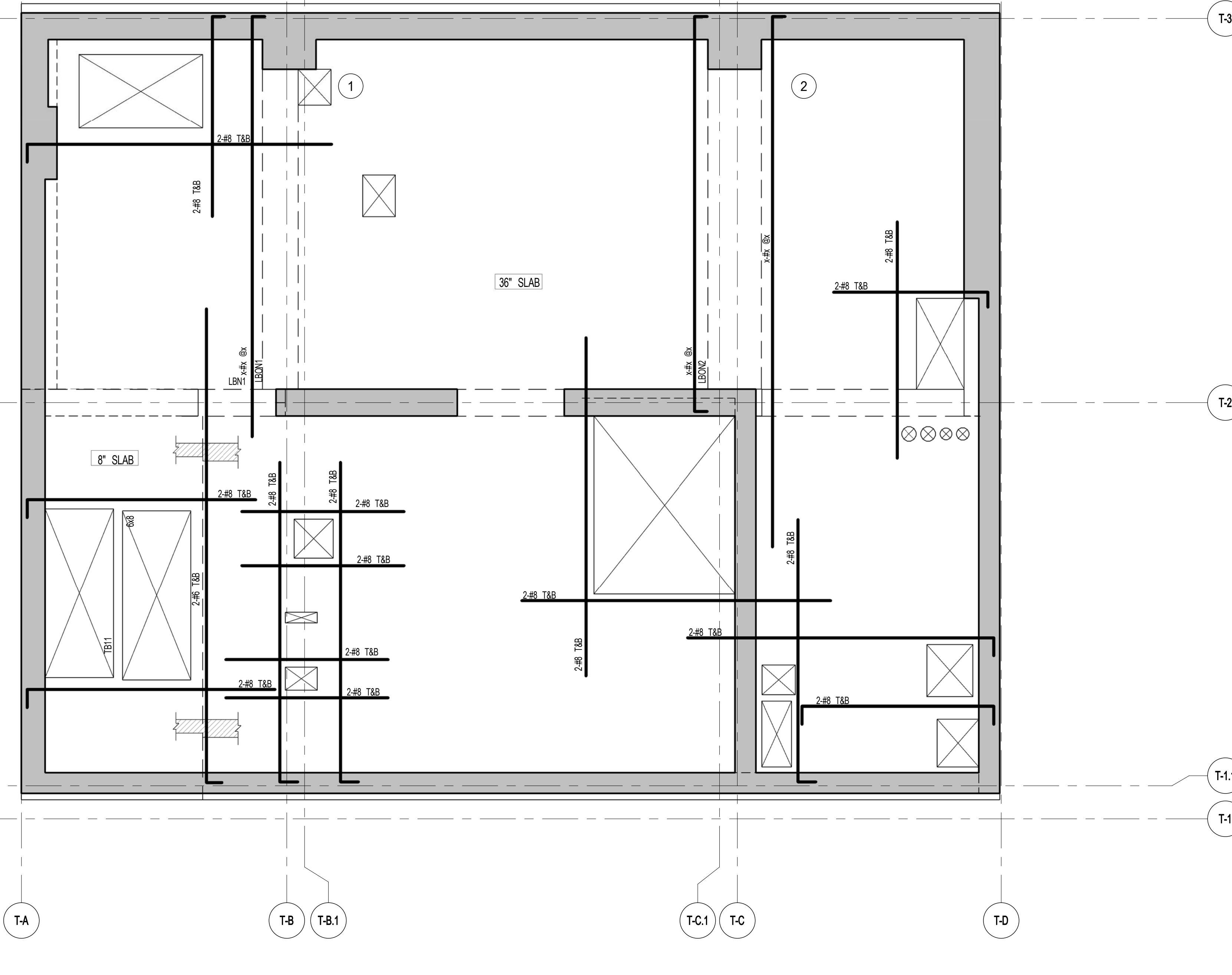
S-780.01



1 78TH FLOOR FRAMING PLAN

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

- NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
 2. SLAB THICKNESS TO BE 12" U.O.N. THIS [] ON PLAN.
 3. TOP AND BOTTOM REINFORCEMENT TO BE: #6@12 E.W. CONTINUOUS FOR 18' SLAB
#5@12 E.W. CONTINUOUS FOR 12' SLAB
#5@12 E.W. CONTINUOUS FOR 8' SLAB
 4. FOR BALANCE OF NOTES SEE DRAWING S-010.



2 79TH FLOOR FRAMING PLAN

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

- NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
 2. SLAB THICKNESS TO BE 30" U.O.N. THIS [] ON PLAN.
 3. TOP AND BOTTOM REINFORCEMENT TO BE: #8@12 E.W. CONTINUOUS FOR 30' SLAB
#5@12 E.W. CONTINUOUS FOR 8' SLAB
 4. FOR BALANCE OF NOTES SEE DRAWING S-010.

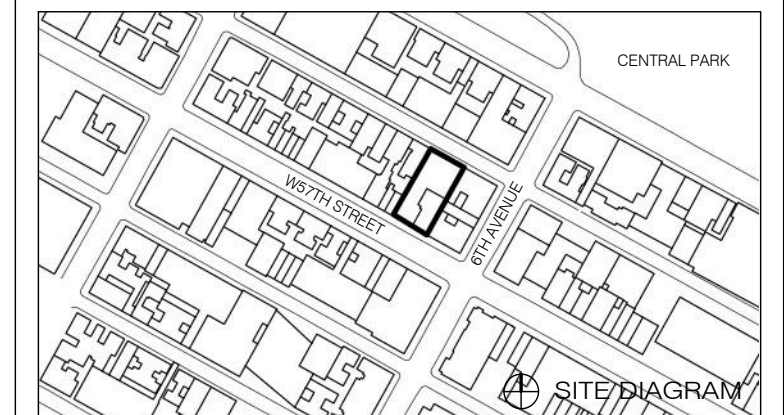
ARCHITECT	SRMP ARCHITECTS, P.C. 230 BROADWAY, 11TH FLOOR NEW YORK, NY 10038 TEL: 212.465.0000	STRUCTURAL ENGINEER	WSP CANFOR BENKIN 200 EAST 43RD STREET NEW YORK, NY 10017 TEL: 212.462.4888	MEP ENGINEER	JARVIS, BAUM & ROLLES 80 FINE STREET, 10TH FLOOR NEW YORK, NY 10038 TEL: 212.200.0000	CIVIL ENGINEER	ANPE ENGINEERING, P.C. 440 PARK AVE SOUTH, 7TH FLOOR NEW YORK, NY 10004 TEL: 800.388.0000	ACOUSTICS	LONGMAN LINDSEY 41 WEST 58TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 812.200.2000	INTERIORS	STUDIO SCHFIELD 300 MADISON STREET NEW YORK, NY 10017 TEL: 212.451.1000	FAÇADE	BURRO HANFORD 100 BROADWAY NEW YORK, NY 10003 TEL: 212.264.2000	VERTICAL TRANSPORTATION	VAN DEUSEN & ASSOCIATES 7 FINESTREET, SUITE 604 LONGROCK, AUSTRALIA TEL: 027.988.4000	RESTORATION	JAN HIRSHKOPFFNY ASSOCIATES 30 WEST 57TH STREET, FLOOR 10A NEW YORK, NY 10019 TEL: 212.755.4400	GEOTECH	SPICE 125 WEST 58TH STREET, 6TH FLOOR NEW YORK, NY 10019 TEL: 812.200.0000	LIGHTING	LOGERWATHE INTERNATIONAL 100 MADISON STREET NEW YORK, NY 10017 TEL: 212.264.4400
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1 EAST 17TH STREET, 2ND FLOOR
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	8.1.14	DOB FILING SET
NO.	DATE	REVISION

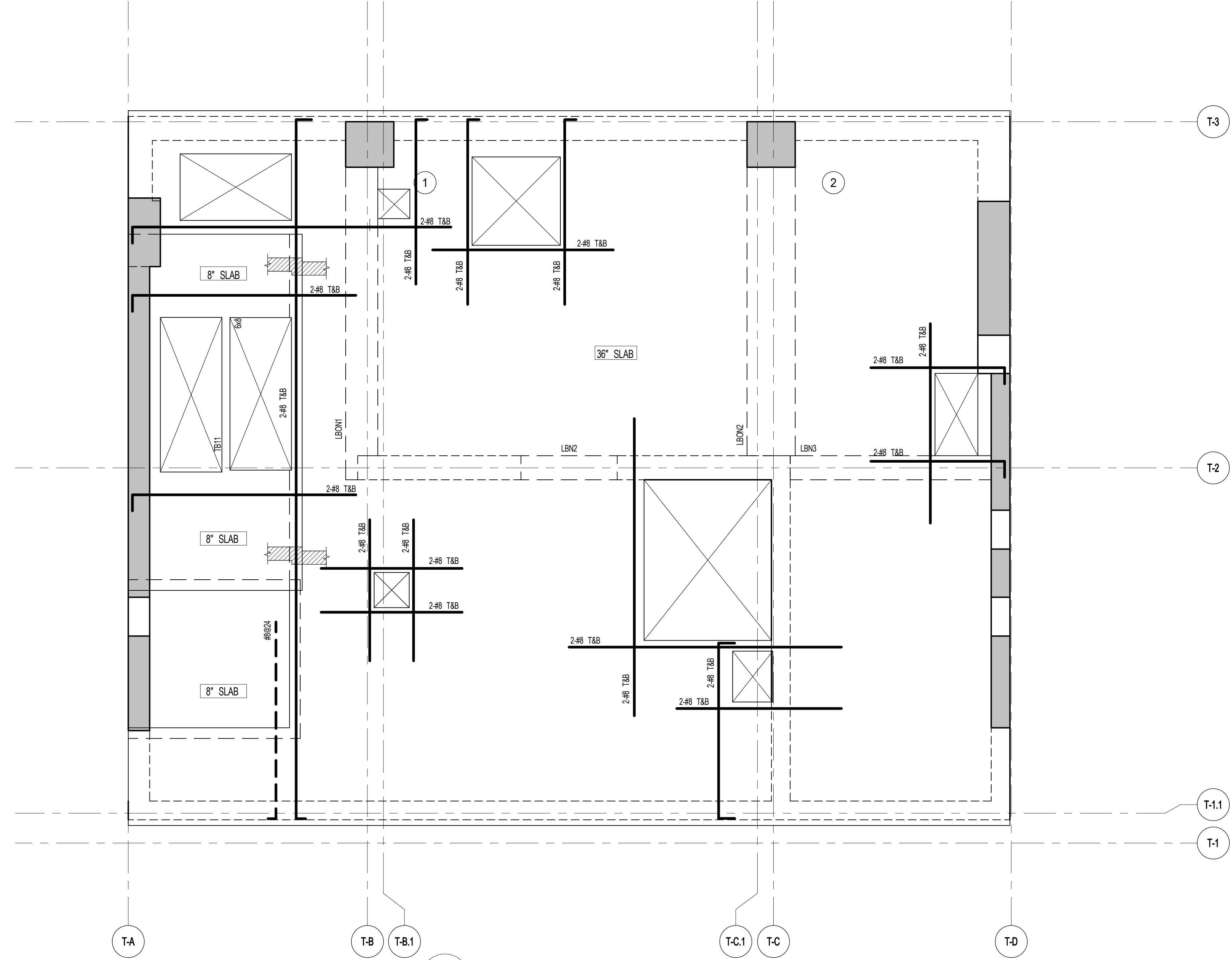
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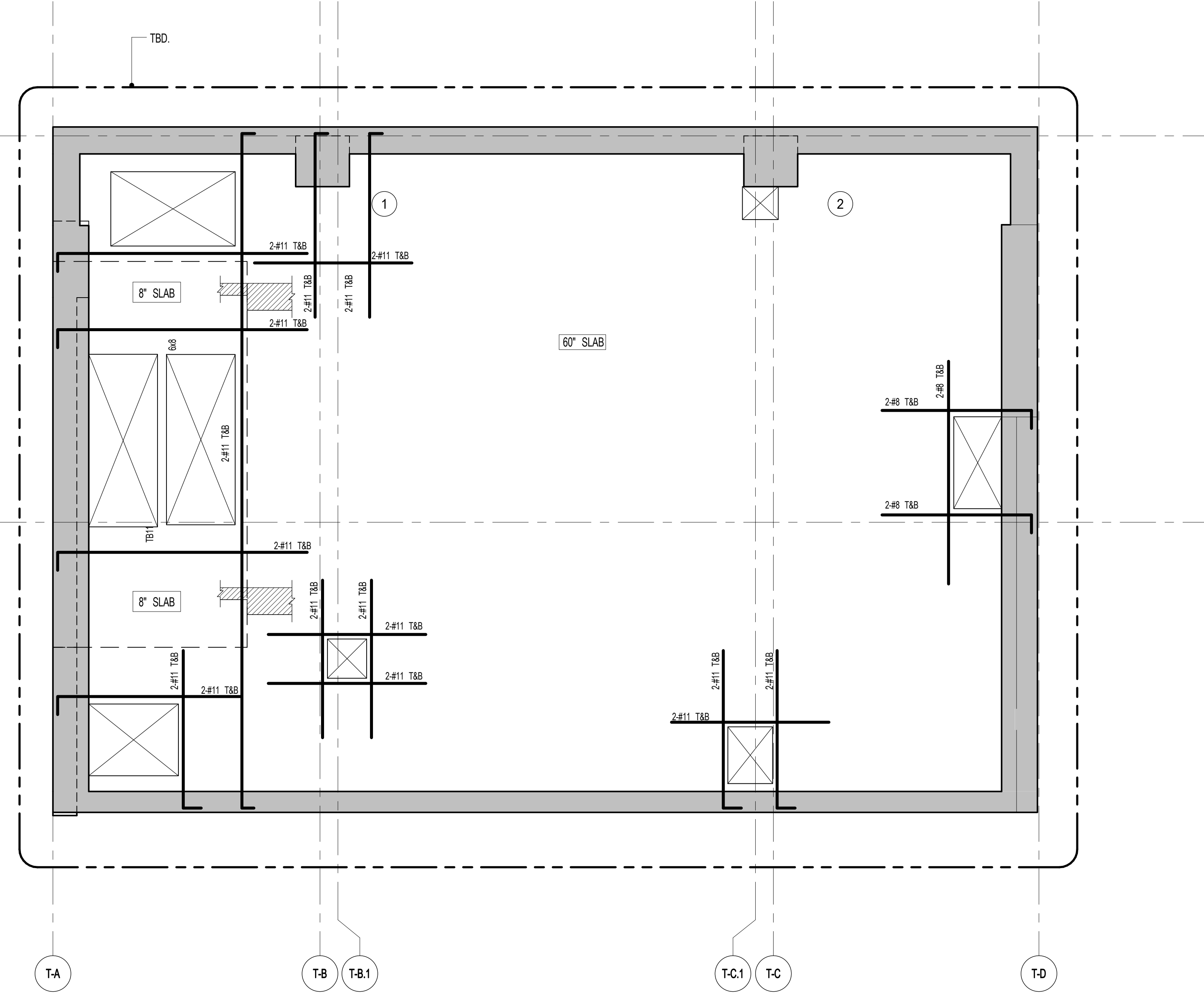
DRAWING TITLE
80TH-83RD FLOOR FRAMING PLANS

DATE: 8.1.14
PROJECT NO: 1315140
DRAWN BY: CADDO
CHECKED BY: CL
DOB NO: 10719
DRAWING NUMBER: S-800.01



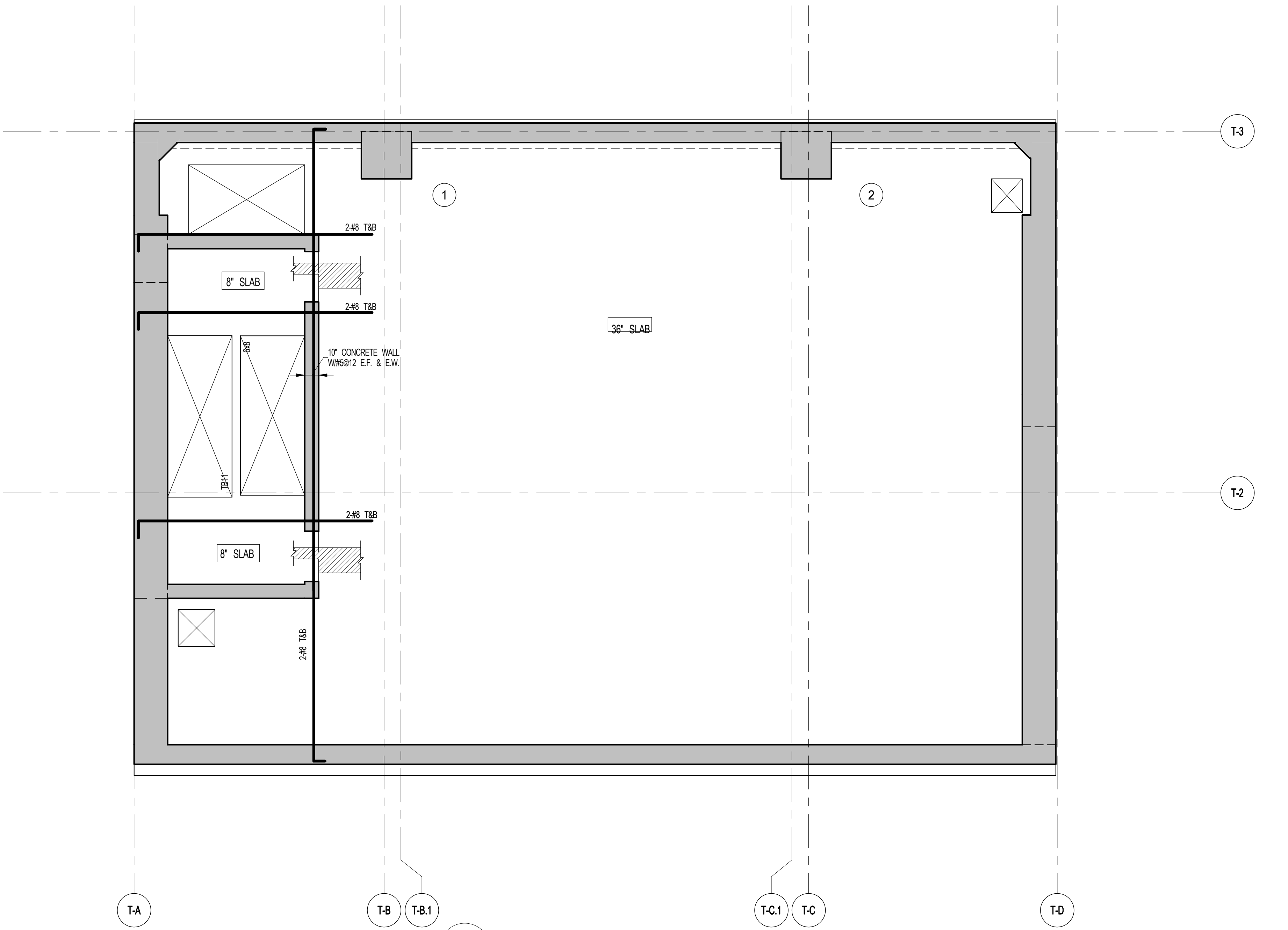
1 80TH FLOOR FRAMING PLAN
S-800 SCALE: 1/4" = 1'-0"

- NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
2. SLAB THICKNESS TO BE 3" U.O.N. THIS [] ON PLAN.
3. TOP AND BOTTOM REINFORCEMENT TO BE: #8@12" E.W. CONTINUOUS FOR 3" SLAB
#8@12" E.W. CONTINUOUS FOR 8" SLAB
4. FOR BALANCE OF NOTES SEE DRAWING S-010.



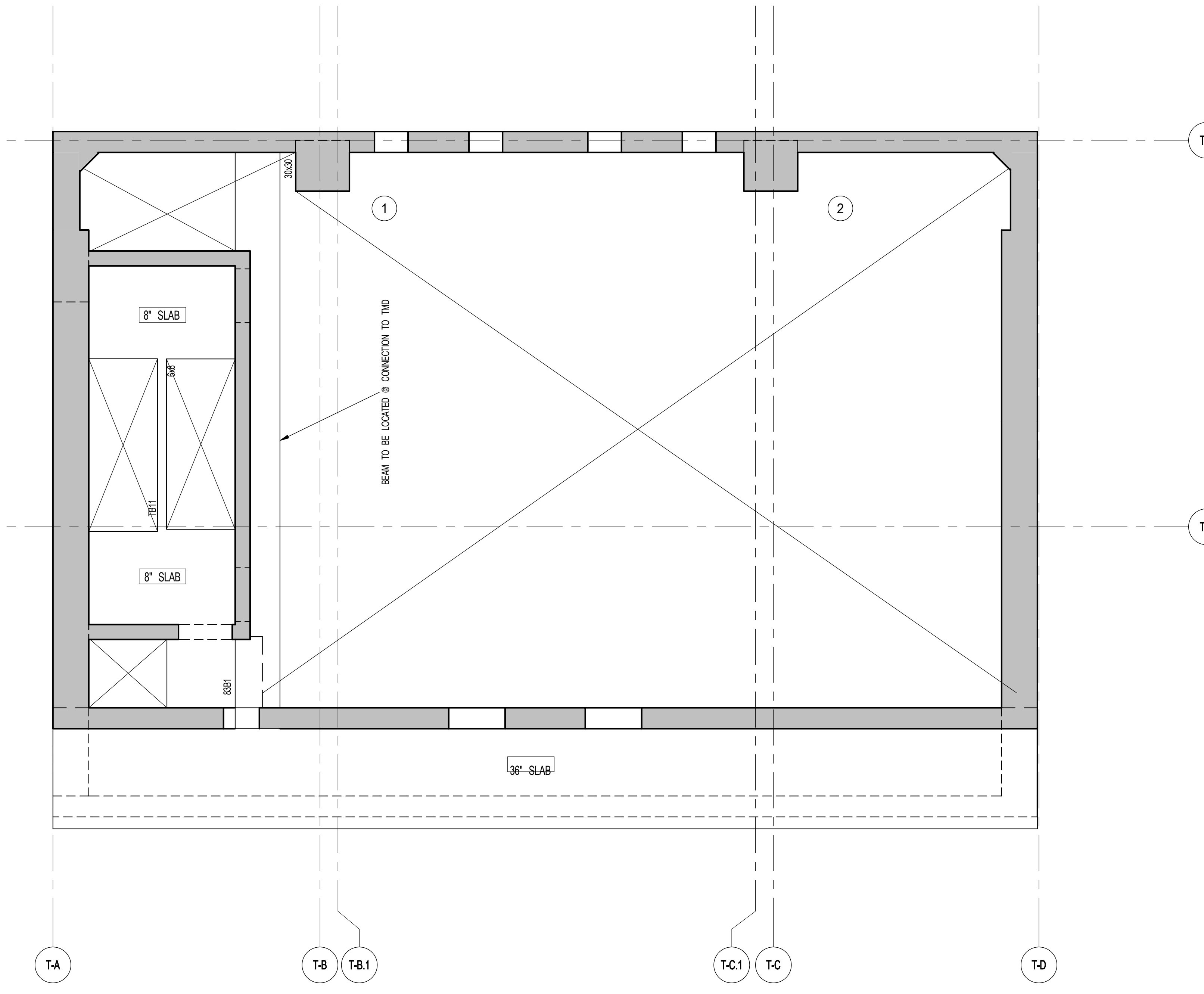
2 81ST FLOOR FRAMING PLAN
S-800 SCALE: 1/4" = 1'-0"

- NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
2. SLAB THICKNESS TO BE 6" U.O.N. THIS [] ON PLAN.
3. TOP AND BOTTOM REINFORCEMENT TO BE: #11@12" E.W. CONTINUOUS FOR 6" SLAB
#8@12" E.W. CONTINUOUS FOR 8" SLAB
4. FOR BALANCE OF NOTES SEE DRAWING S-010.



3 82ND FLOOR FRAMING PLAN
S-800 SCALE: 1/4" = 1'-0"

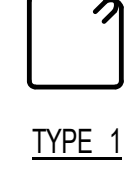
- NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
2. SLAB THICKNESS TO BE 3" U.O.N. THIS [] ON PLAN.
3. TOP AND BOTTOM REINFORCEMENT TO BE: #8@12" E.W. CONTINUOUS FOR 3" SLAB
#8@12" E.W. CONTINUOUS FOR 8" SLAB
4. FOR BALANCE OF NOTES SEE DRAWING S-010.



4 83RD FLOOR FRAMING PLAN
S-800 SCALE: 1/4" = 1'-0"

- NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
2. SLAB THICKNESS TO BE 6" U.O.N. THIS [] ON PLAN.
3. TOP AND BOTTOM REINFORCEMENT TO BE: #8@12" E.W. CONTINUOUS FOR 6" SLAB
#8@12" E.W. CONTINUOUS FOR 3" SLAB
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

83RD FLOOR BEAM SCHEDULE									
BEAM MARK	SIZE	WIDTH	DEPTH	REINFORCEMENT		STIRRUPS		REMARKS	TYPE
				BOTTOM CONTINUOUS	TOP CONTINUOUS	SIZE	SPACING		
83B1	30	30	2-#11	2-#11	#4	@10	8-#10, EACH FACE		

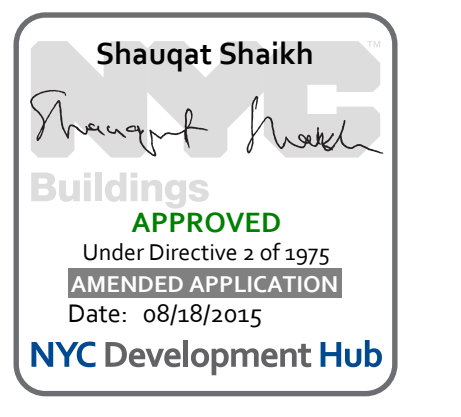


TYPE 1

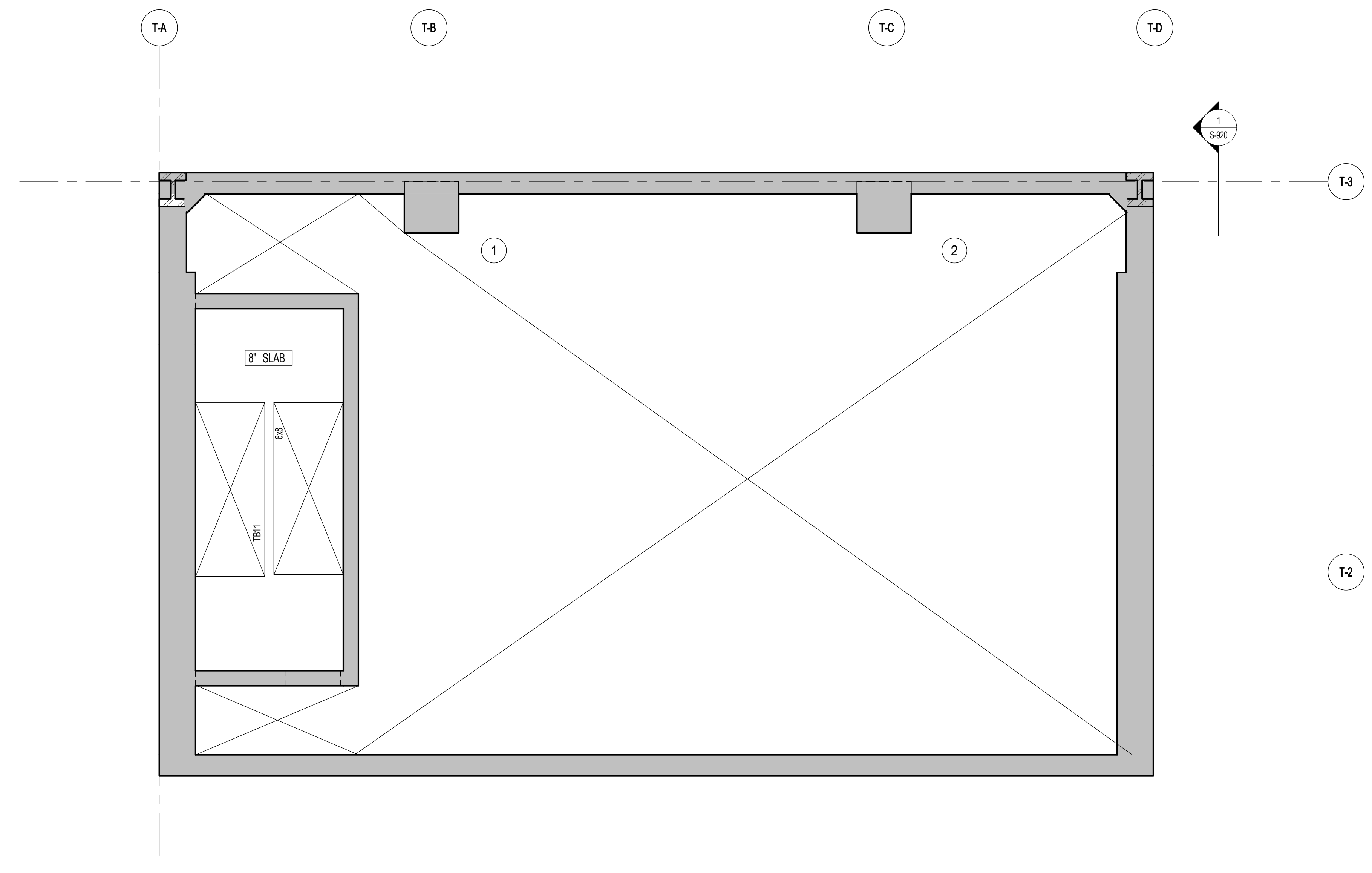
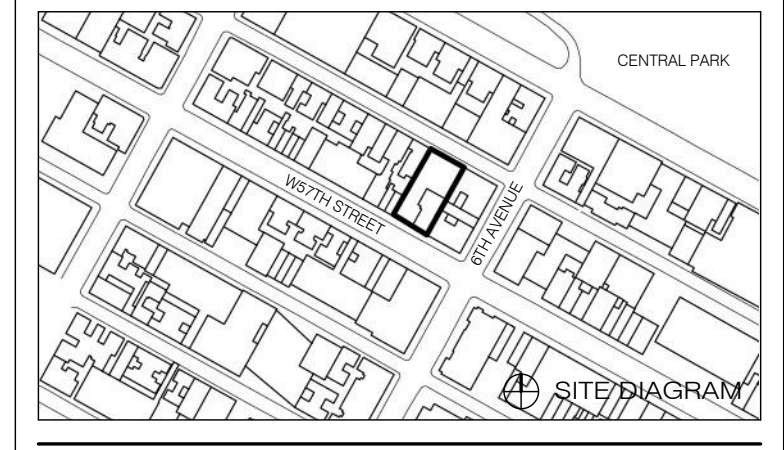
ARCHITECT SNIP ARCHITECTS, P.C. 230 BROADWAY, 11TH FLOOR NEW YORK, NY 10038 P: 212.686.0000 F: 212.686.0001	STRUCTURAL ENGINEER WEP GANTON BENJIK 220 EAST 43RD STREET NEW YORK, NY 10017 P: 212.687.0888 F: 212.686.2025	MEP ENGINEER JARDS, BALM & BOLLES 80 FINE STREET, 10TH FLOOR NEW YORK, NY 10038 P: 212.683.8800	CIVIL ENGINEER ANR ENGINEERING, P.C. 400 PARK AVE SOUTH, 7TH FLOOR NEW YORK, NY 10014 P: 800.388.0028	ACOUSTICS LONGMAN ANDREY 41 WEST 58TH STREET, 4TH FLOOR NEW YORK, NY 10019 P: 812.289.2800	INTERIORS STUDIO SCHAFF 300 MARSHFIELD STREET NEW YORK, NY 10002 P: 212.493.1300	FAÇADE BUNO HANFOLD 90 BROADWAY NEW YORK, NY 10003 P: 212.268.2025	VERTICAL TRANSPORTATION VAN DEUSEN & ASSOCIATES 7 FINESTREET SQUARE 604 LONDON, AU 10009 P: 020 7464 4028	RESTORATION JAN HIRSHKOPFF ASSOCIATES 30 WEST 57TH STREET, 6TH FLOOR NEW YORK, NY 10019 P: 212.751.6462	GEO TECH NICE 225 WEST 58TH STREET, 6TH FLOOR NEW YORK, NY 10019-0006 P: 812.289.0000	LIGHTING LOBERMAN INTERNATIONAL 100 MARSHFIELD STREET, 7TH FLOOR EAST NEW YORK, NY 10012 P: 212.268.4462
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5 EAST 17TH STREET, 2ND FLOOR
NEW YORK, NY 10003
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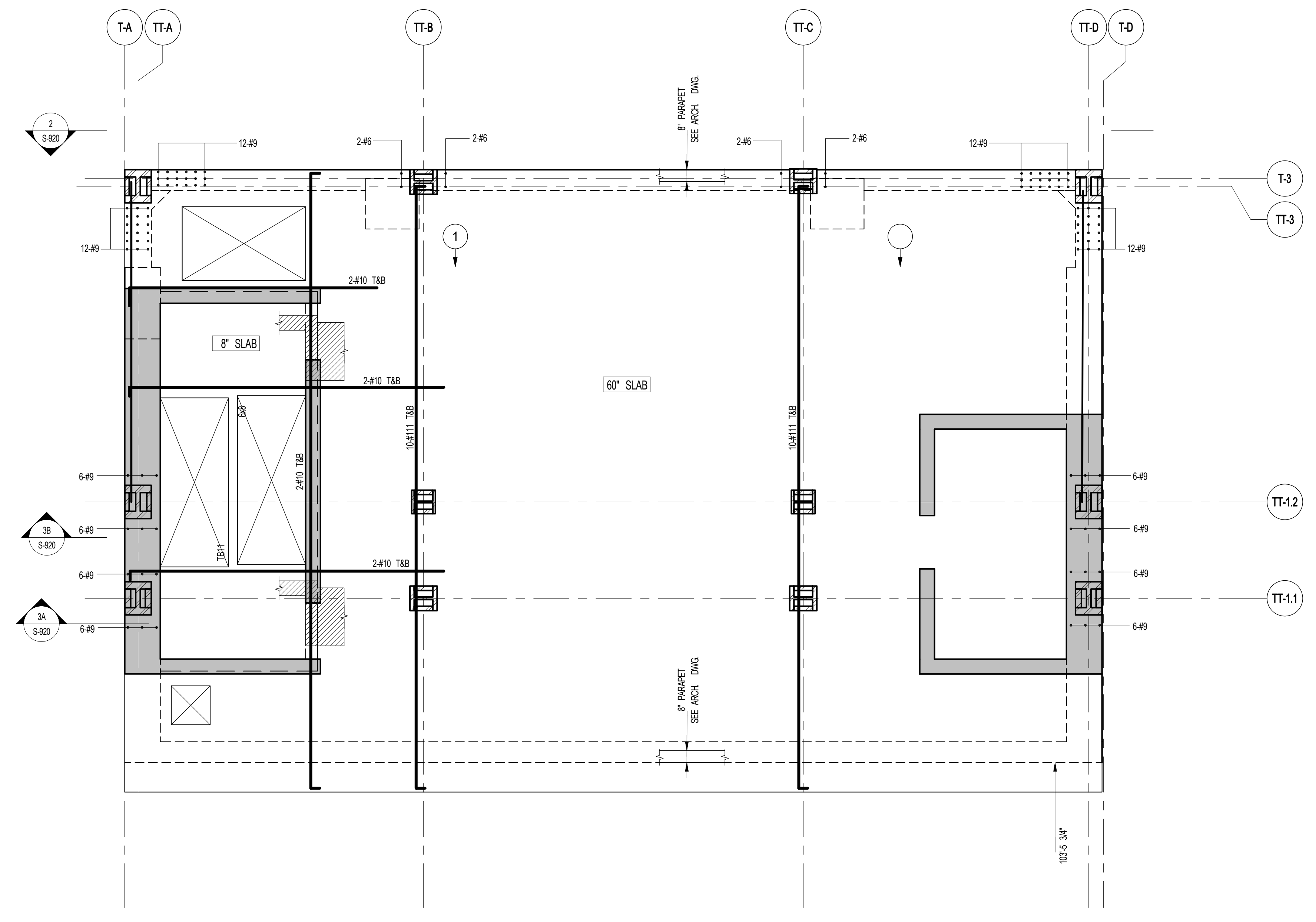


111 WEST 57TH STREET
111 WEST 57TH STREET



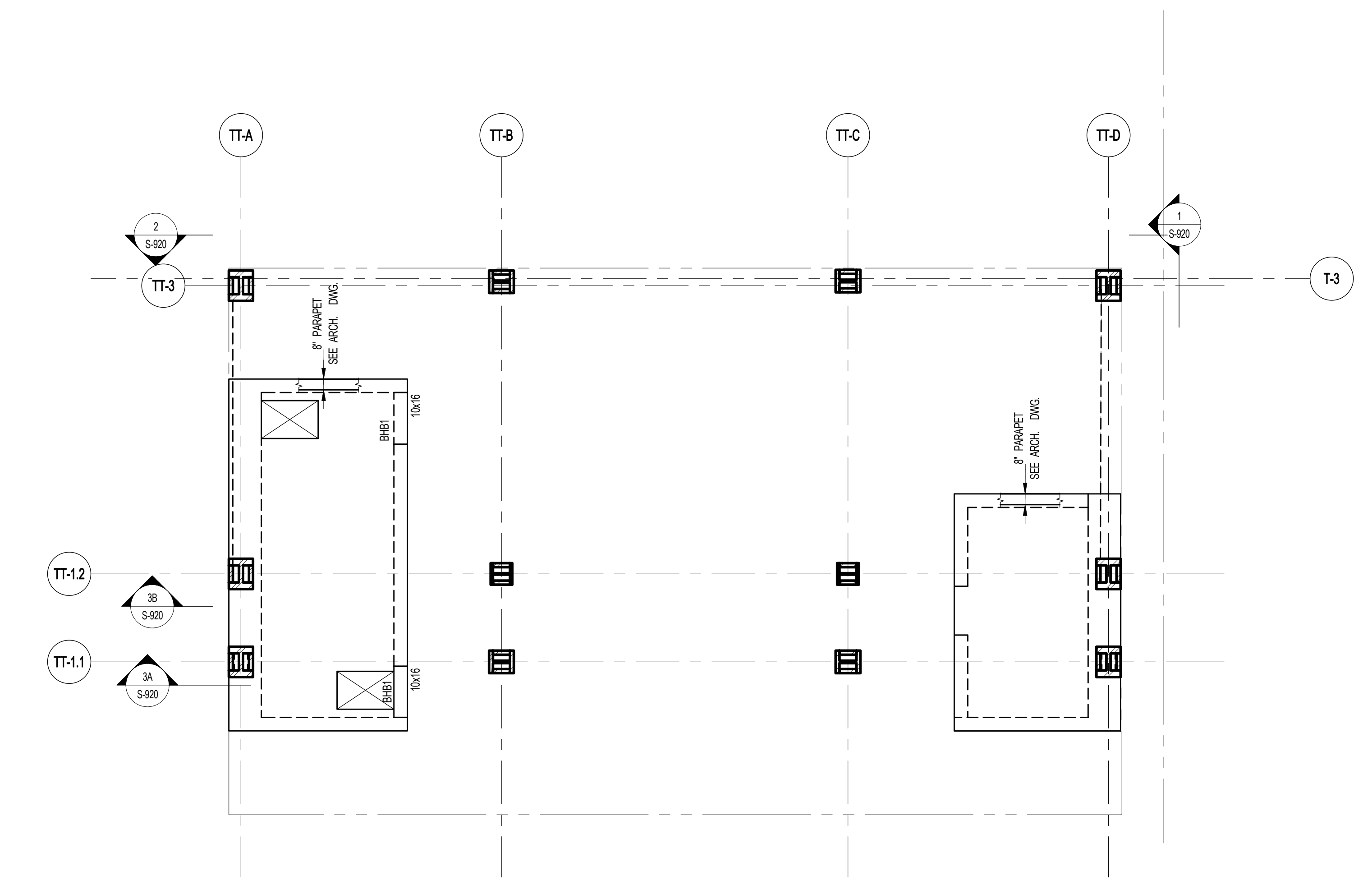
1 84TH FLOOR FRAMING PLAN
S-840 SCALE: 1/4" = 1'-0"

- NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
2. SLAB THICKNESS TO BE 8" U.O.N. THIS [] ON PLAN.
3. TOP AND BOTTOM REINFORCEMENT TO BE #5@12" E.W. CONTINUOUS FOR 8' SLAB.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.



2 85TH FLOOR FRAMING PLAN
S-840 SCALE: 1/4" = 1'-0"

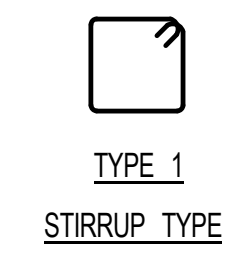
- NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
2. SLAB THICKNESS TO BE 6" U.O.N. THIS [] ON PLAN.
3. TOP AND BOTTOM REINFORCEMENT TO BE #5@12" E.W. CONTINUOUS FOR 6' SLAB.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.



3 BULKHEAD ROOF FRAMING PLAN
S-840 SCALE: 3/16" = 1'-0"

- NOTES:
1. TOP OF SLAB EL. SEE ARCH. DRAWINGS.
2. SLAB THICKNESS TO BE 8" U.O.N. THIS [] ON PLAN.
3. TOP AND BOTTOM REINFORCEMENT TO BE #5@12" E.W. CONTINUOUS FOR 8' SLAB.
4. FOR BALANCE OF NOTES SEE DRAWING S-010.

BEAM MARK	SIZE		REINFORCEMENT		STIRRUPS			REMARKS
	WIDTH	DEPTH	BOTTOM CONTINUOUS	TOP CONTINUOUS	TYPE	SIZE	SPACING	
BH-1	10	16	2-#8	2-#8	1	#4	@6	



1	3.27.15	DOB PAA
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NO.	DATE	REVISION

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DRAWING TITLE
84TH & 85TH FLOOR FRAMING PLANS

SEAL & SIGNATURE DATE: 5.1.14
PROJECT NO: 1315140
DRAWN BY: CADD
CHECKED BY: CL
DOB NO:
DRAWING NUMBER



S-840.01



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15 EAST 17TH STREET, 4TH FLOOR
NEW YORK, NY 10003
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111 WEST 57TH STREET

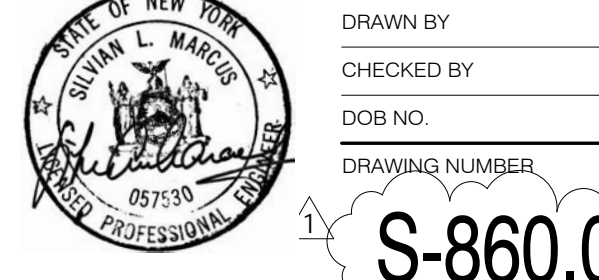


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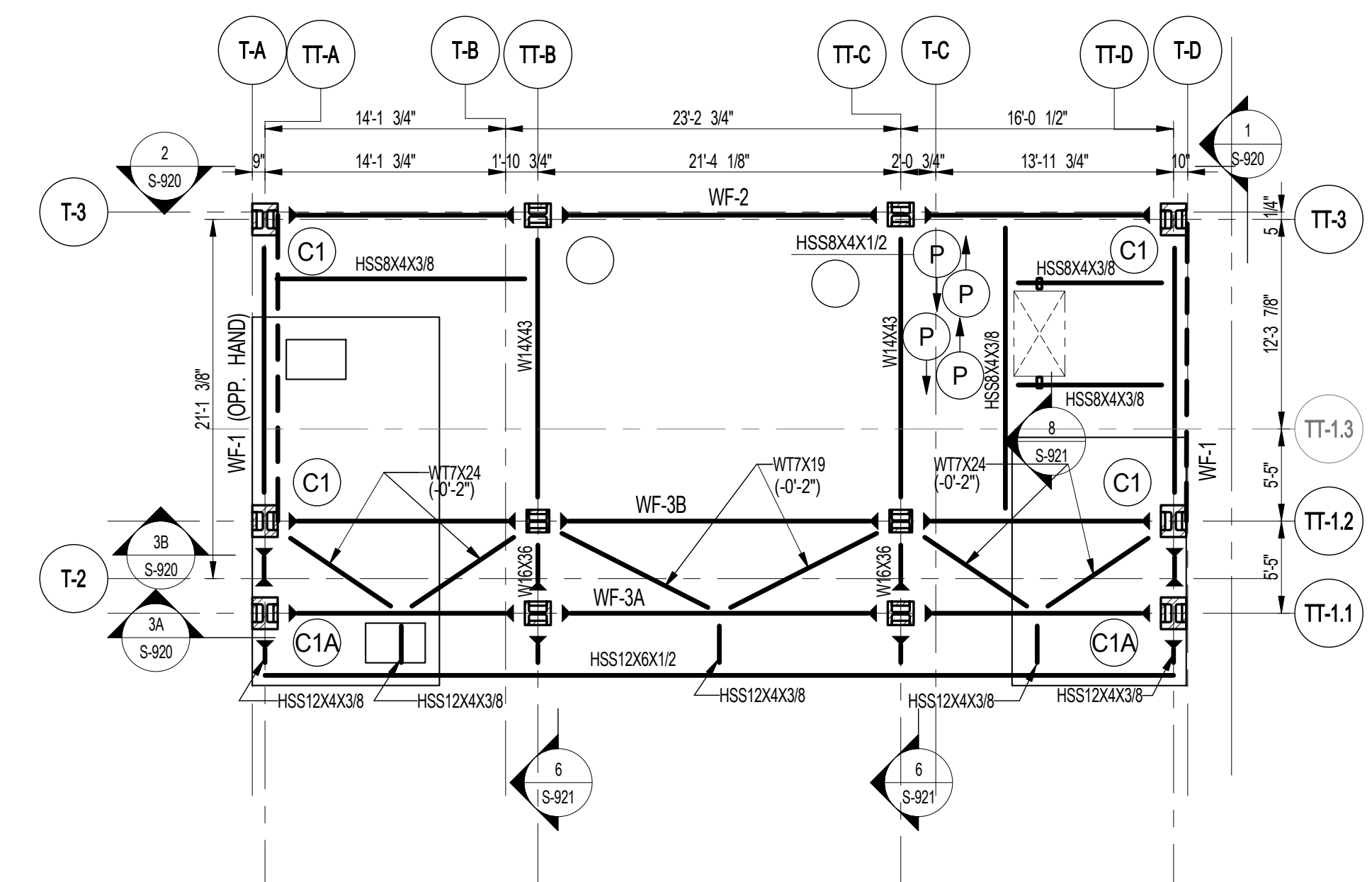
NOT FOR CONSTRUCTION

BULKHEAD LEVELS FRAMING PLANS

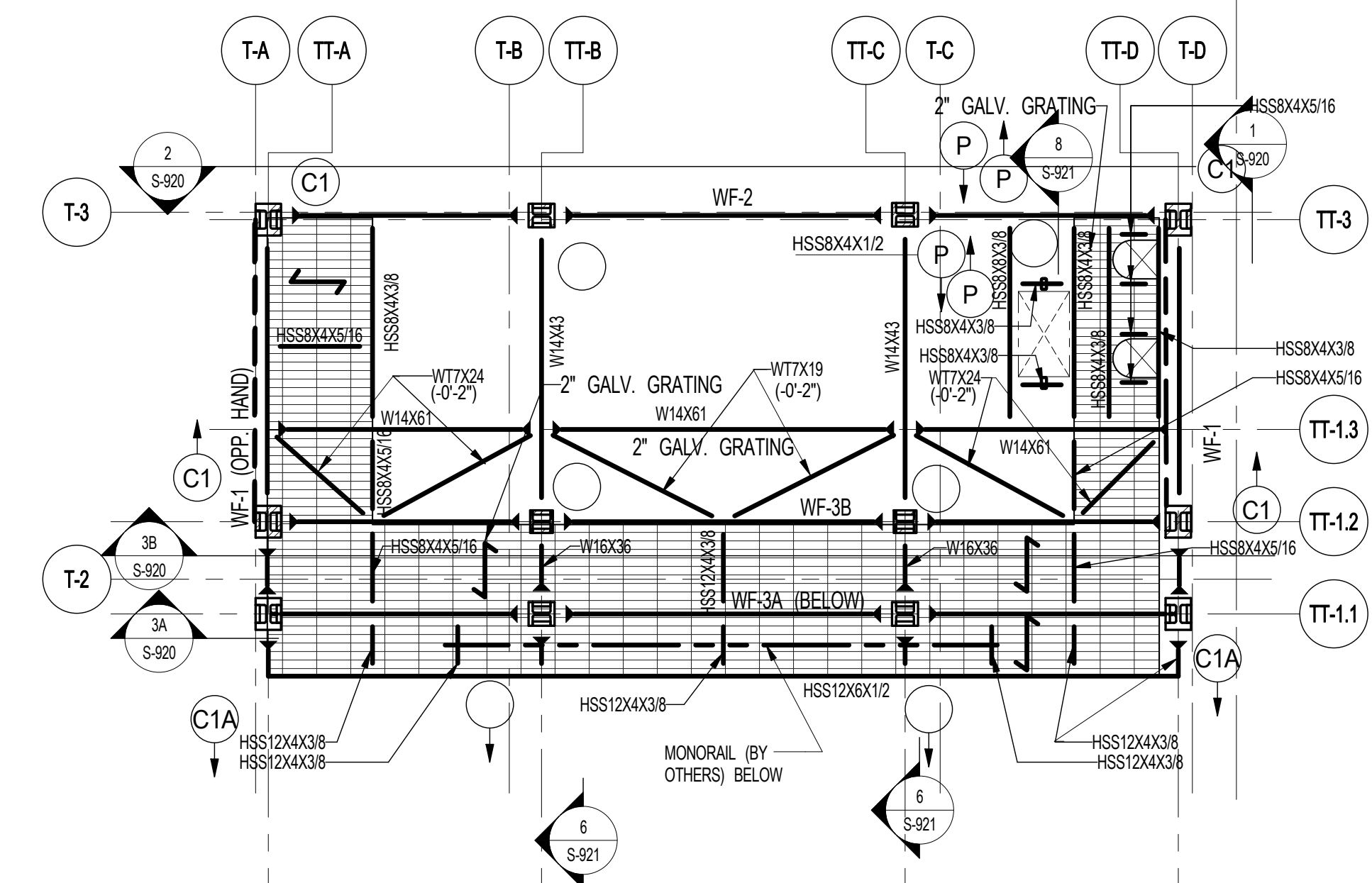
SEAL & SIGNATURE DATE 3/27/15
PROJECT NO. 1310140
DRAWN BY CAD
CHECKED BY CL
DOB NO. 0915
DRAWING NUMBER 1310140-01



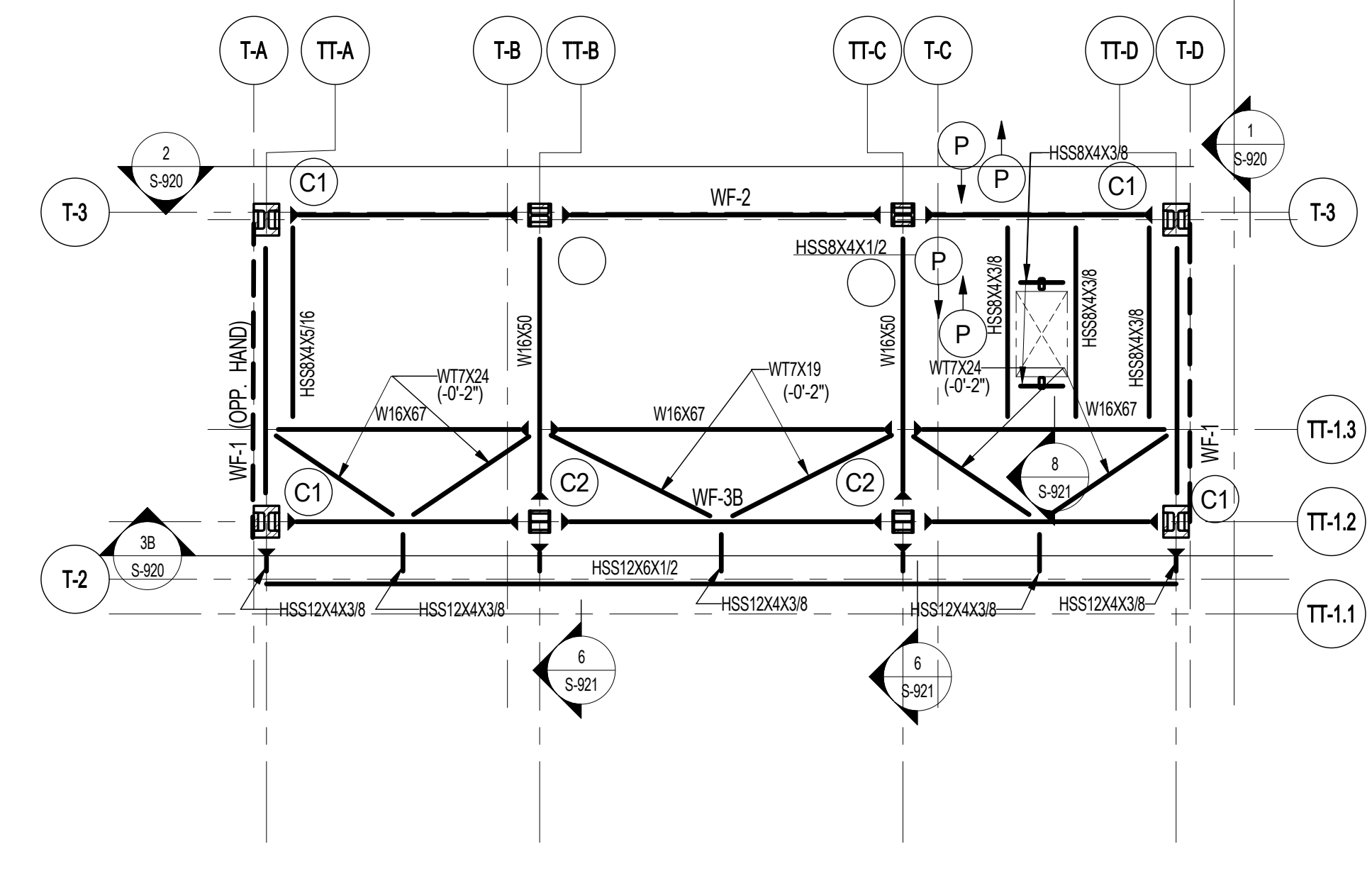
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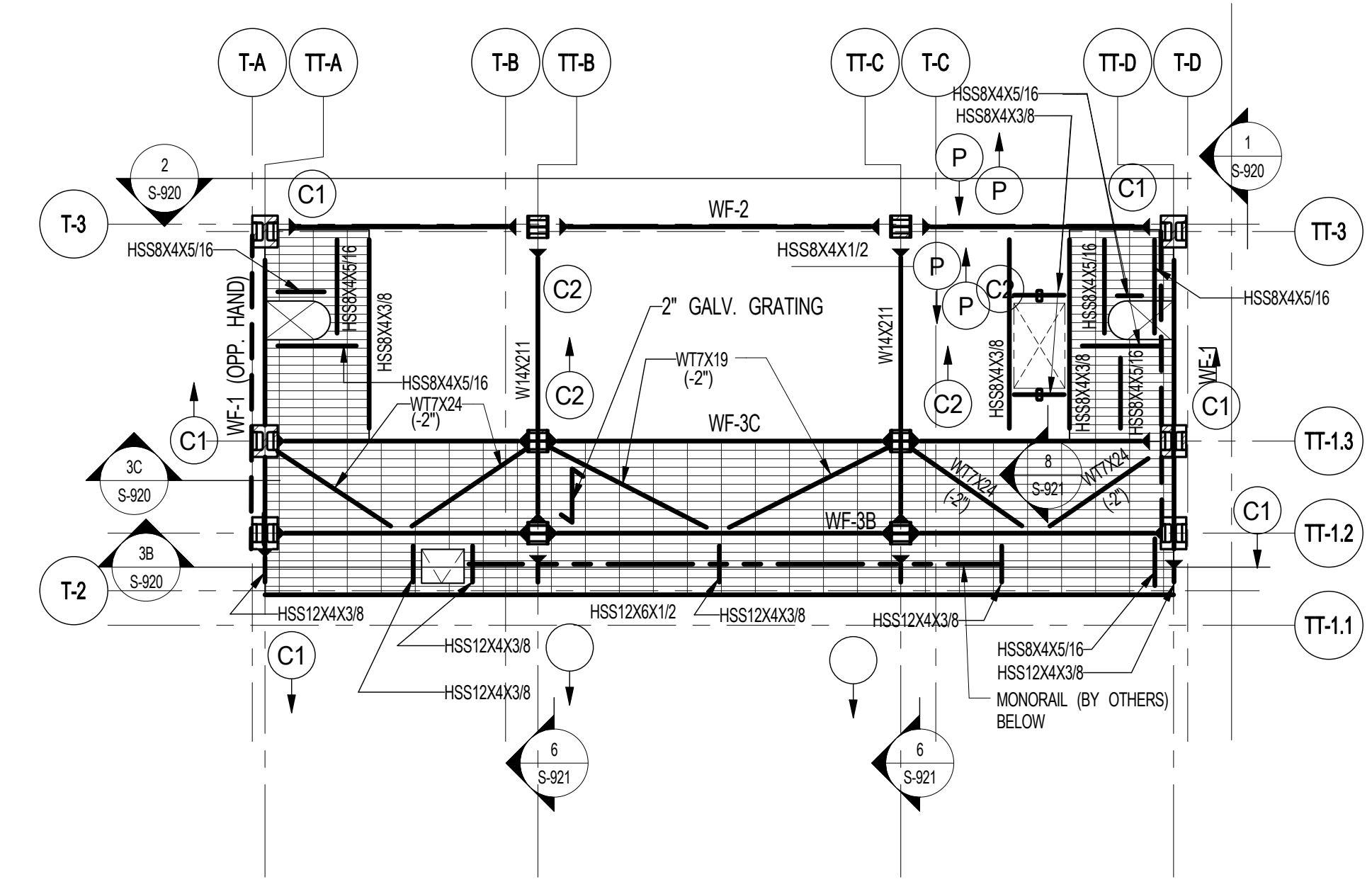
1 BULKHEAD LEVEL 0.5 FRAMING PLAN
SCALE: 1/8" = 1'-0"
T/ST. EL.: 1272'-10" U.O.N.



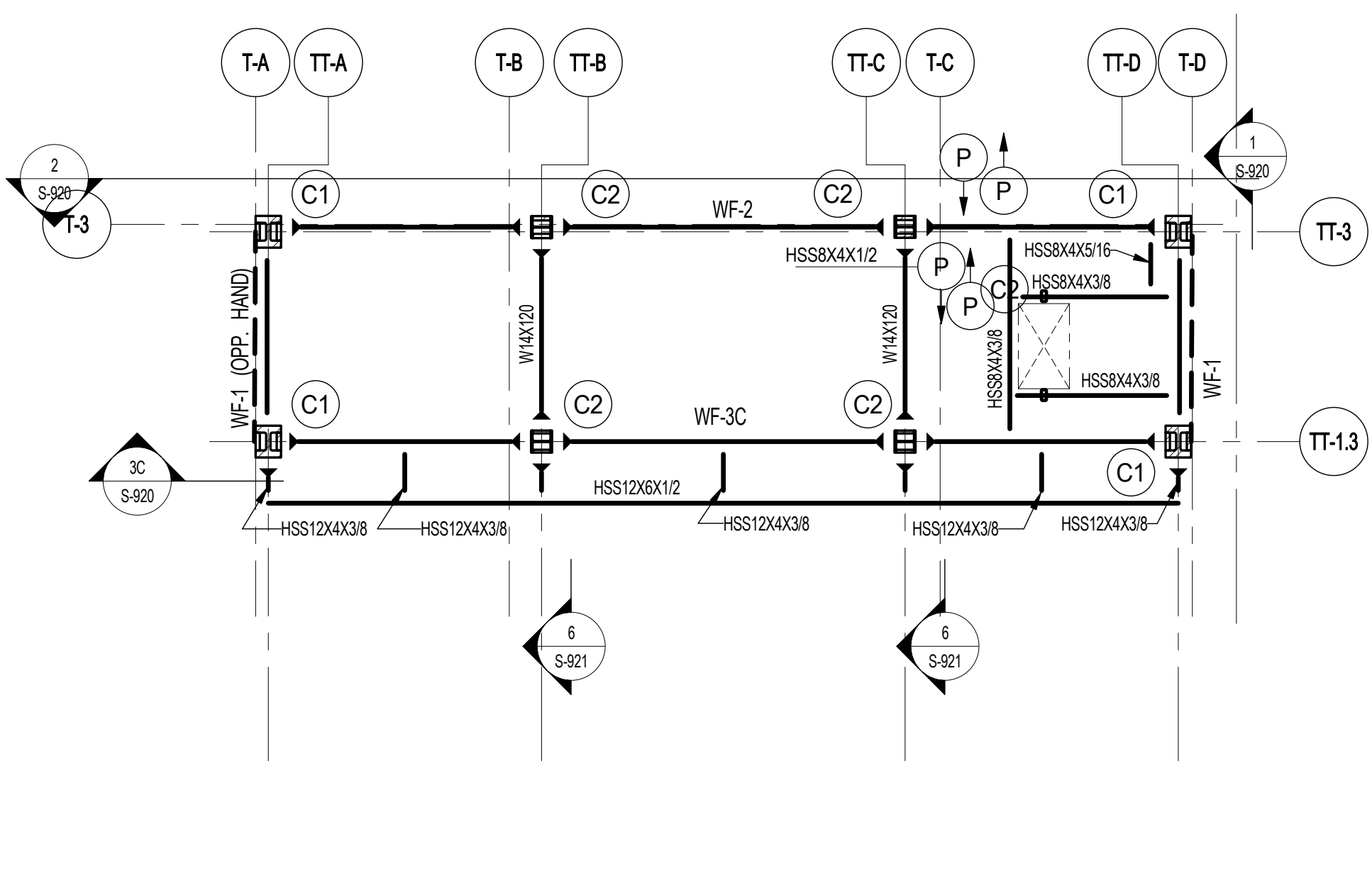
2 BULKHEAD LEVEL 1 FRAMING PLAN
SCALE: 1/8" = 1'-0"
T/ST. EL.: 1288'-4" U.O.N.



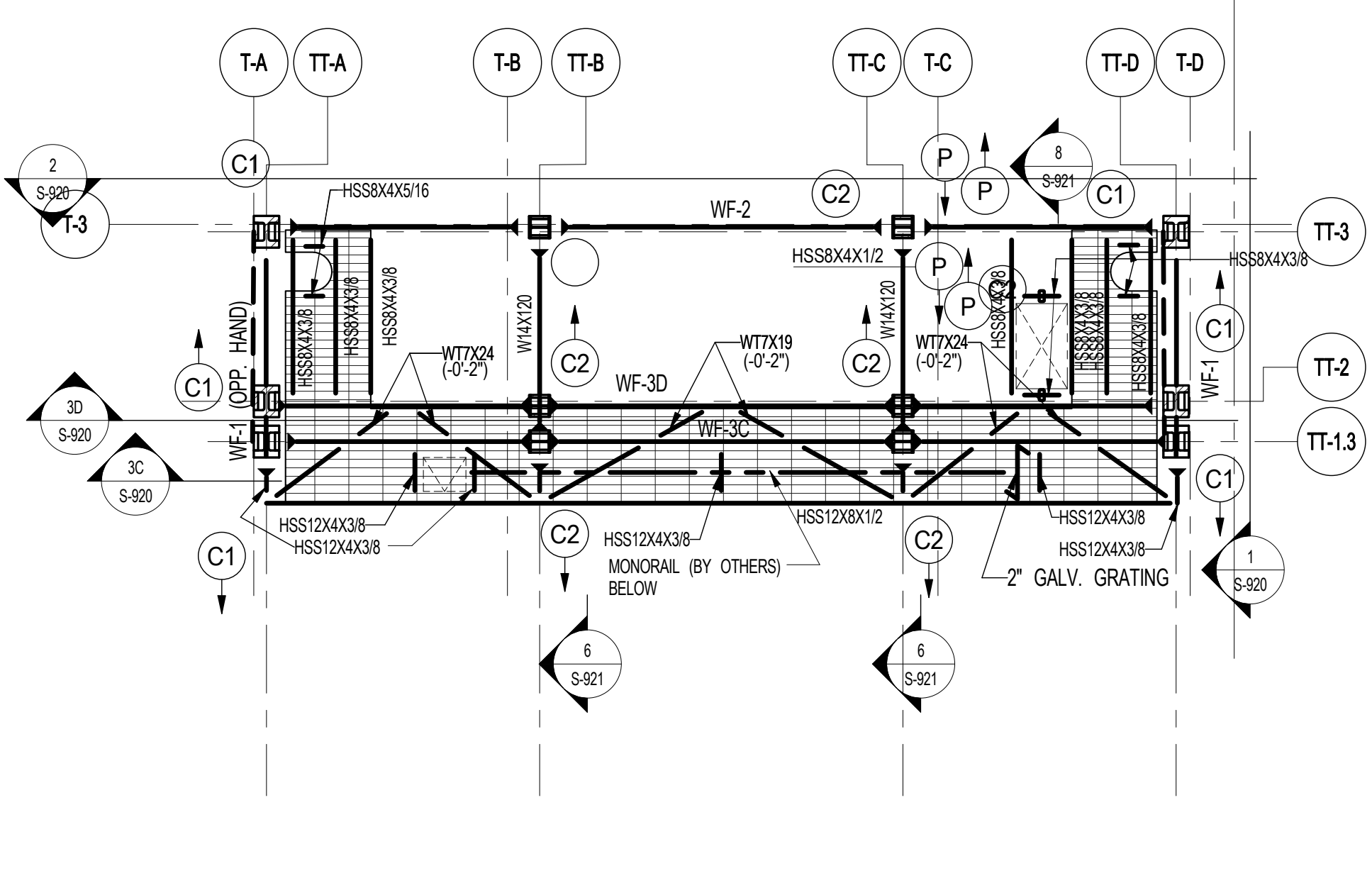
3 BULKHEAD LEVEL 1.5 FRAMING PLAN
SCALE: 1/8" = 1'-0"
T/ST. EL.: 1306'-0 1/2" U.O.N.



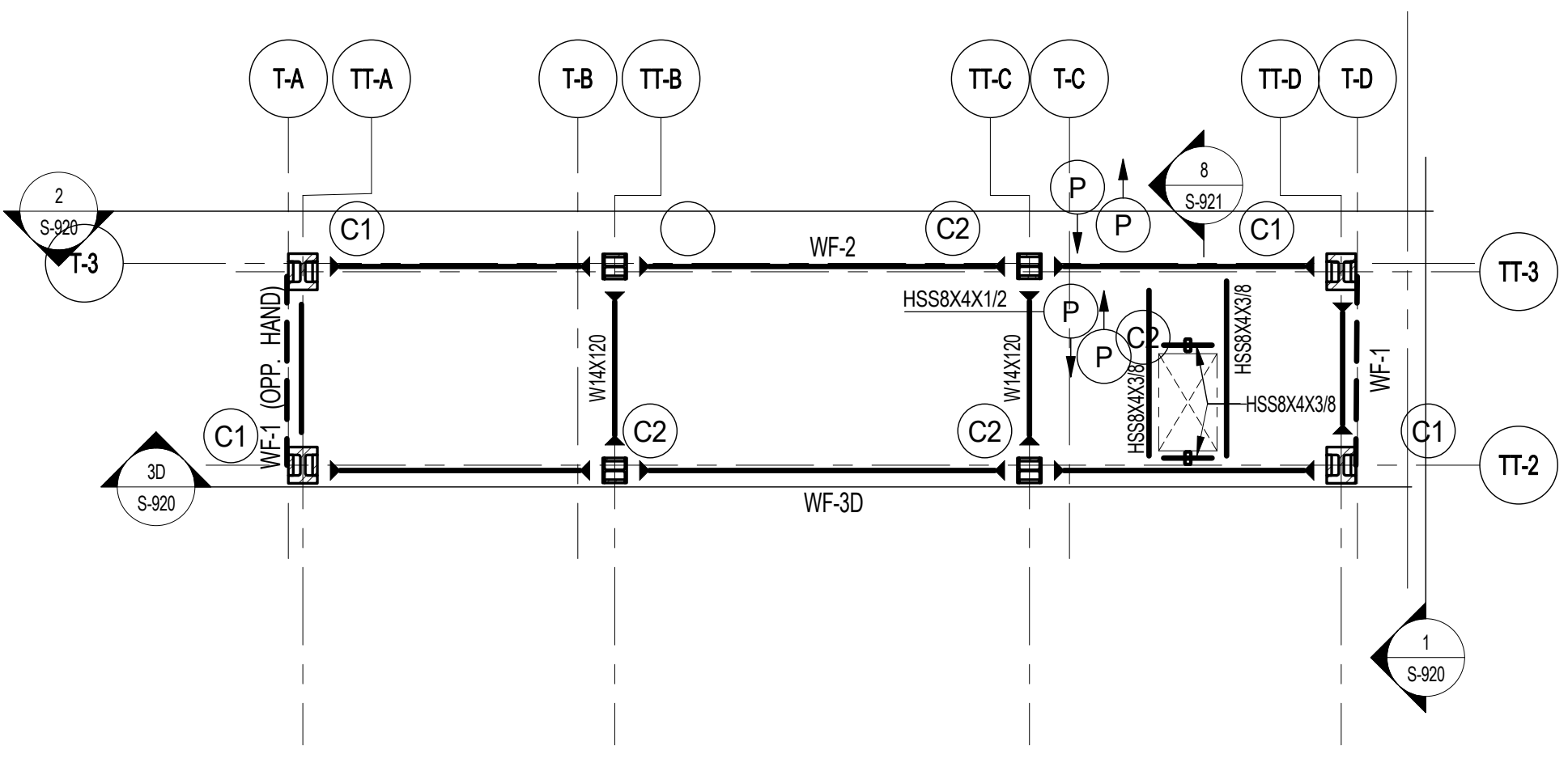
4 BULKHEAD LEVEL 2 FRAMING PLAN
SCALE: 1/8" = 1'-0"
T/ST. EL.: 1323'-9 1/4" U.O.N.



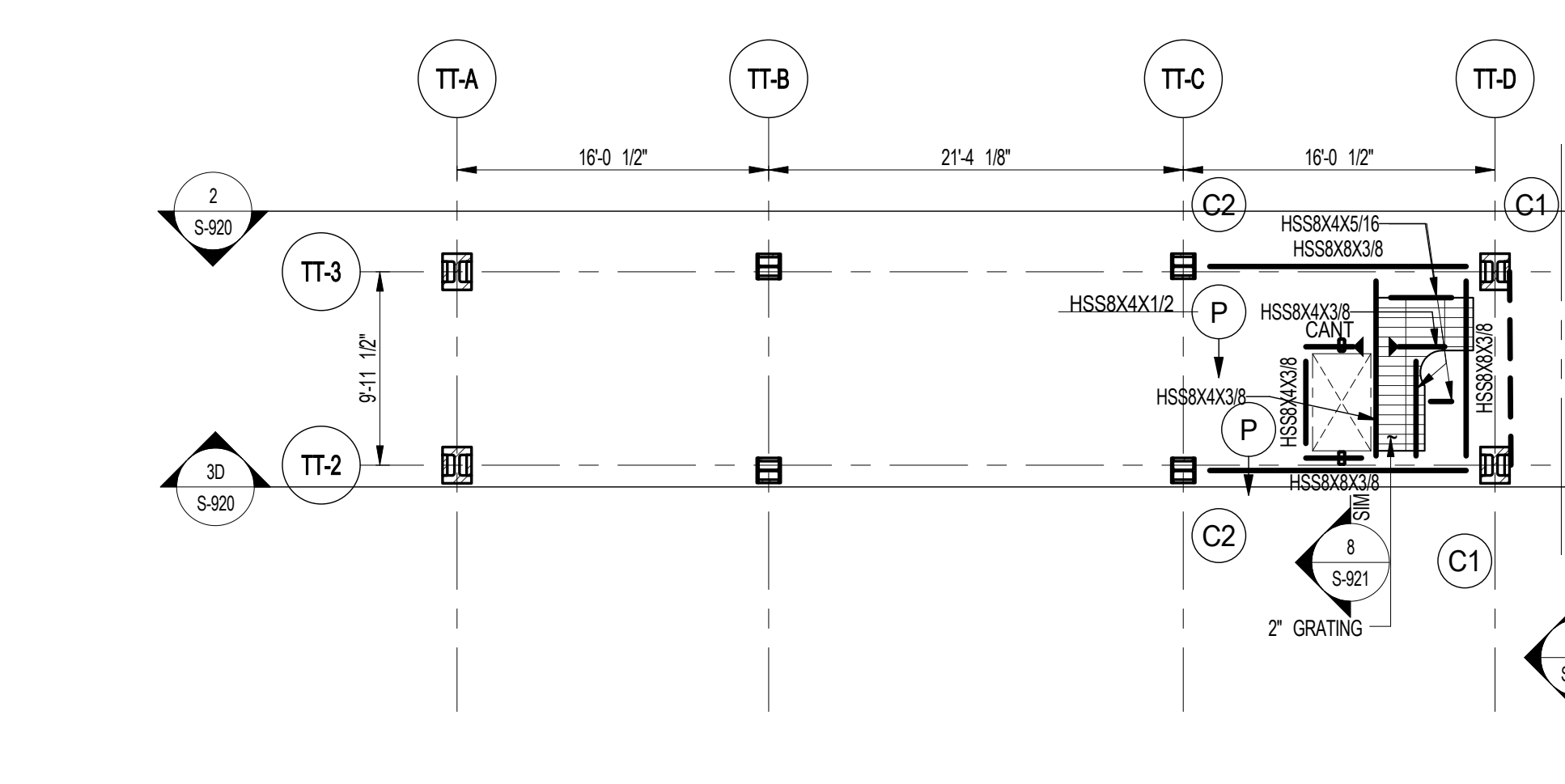
5 BULKHEAD LEVEL 2.5 FRAMING PLAN
SCALE: 1/8" = 1'-0"
T/ST. EL.: 1343'-8 1/4" U.O.N.



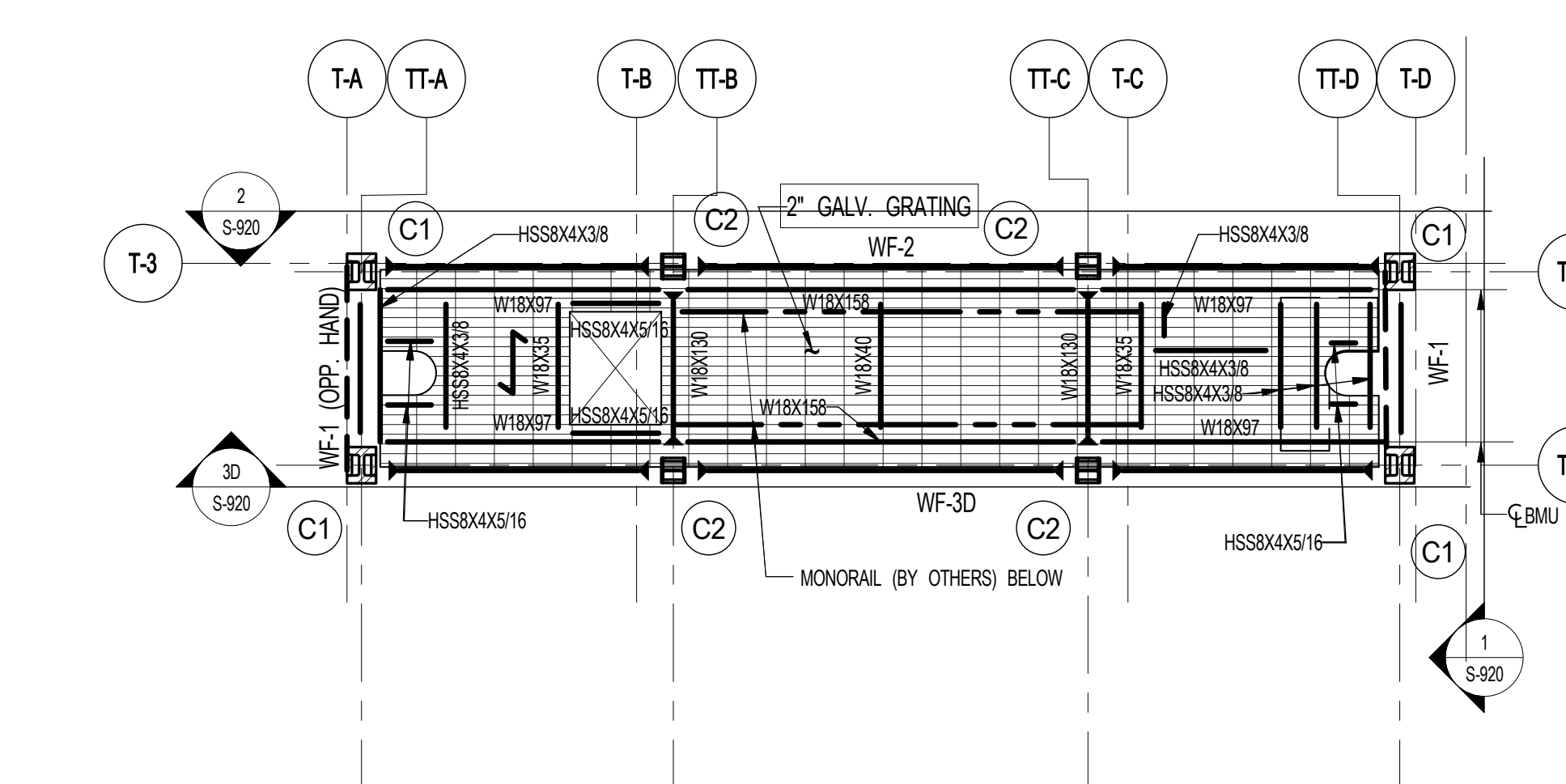
6 BULKHEAD LEVEL 3 FRAMING PLAN
SCALE: 1/8" = 1'-0"
T/ST. EL.: 1363'-7 1/2" U.O.N.



7 BULKHEAD LEVEL 3.5 FRAMING PLAN
SCALE: 1/8" = 1'-0"
T/ST. EL.: 1383'-6 1/2" U.O.N.



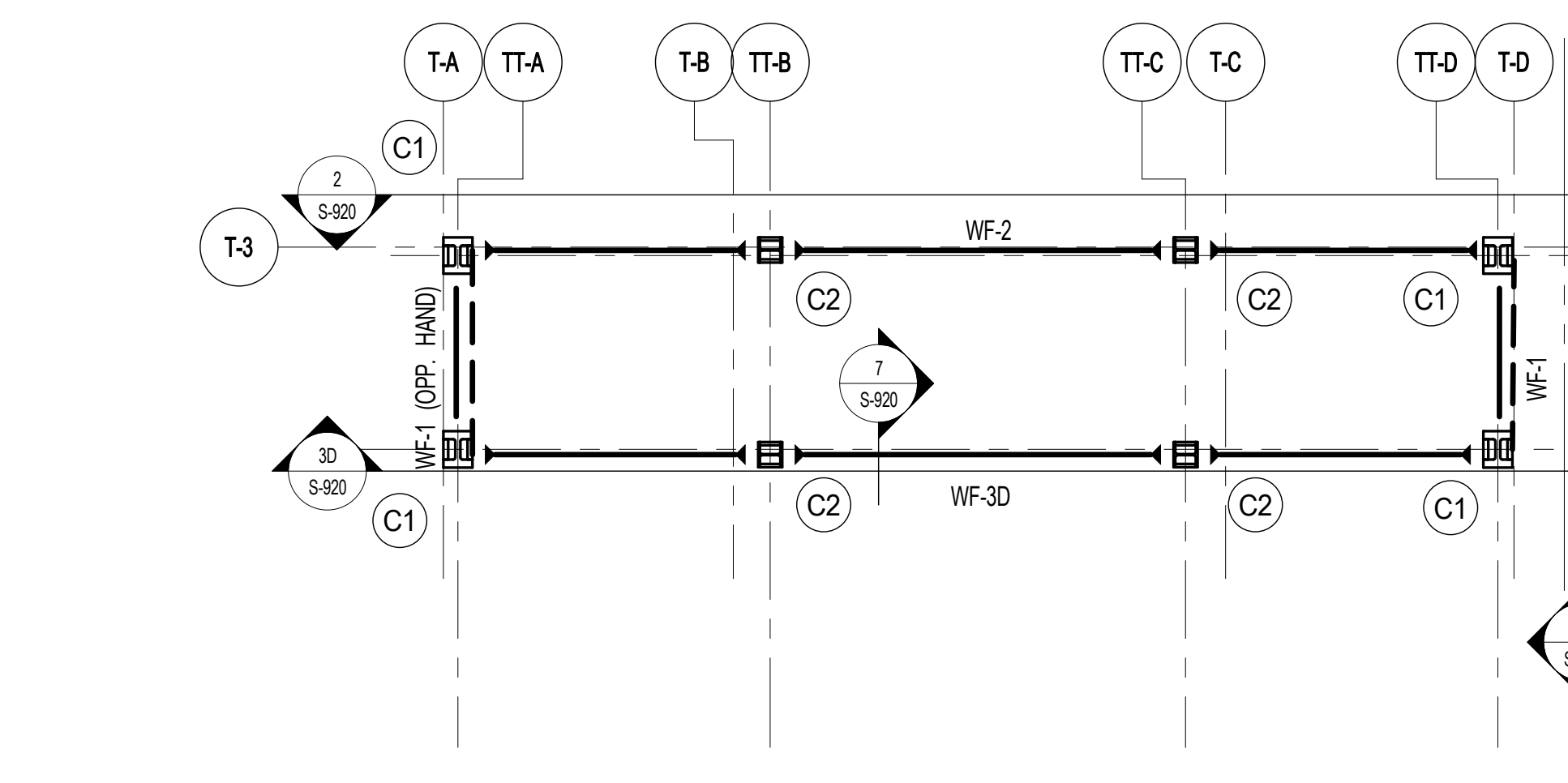
8 SERVICE PLATFORM PLAN
SCALE: 1/8" = 1'-0"
T/ST. EL.: 1398'-7 3/4" U.O.N.



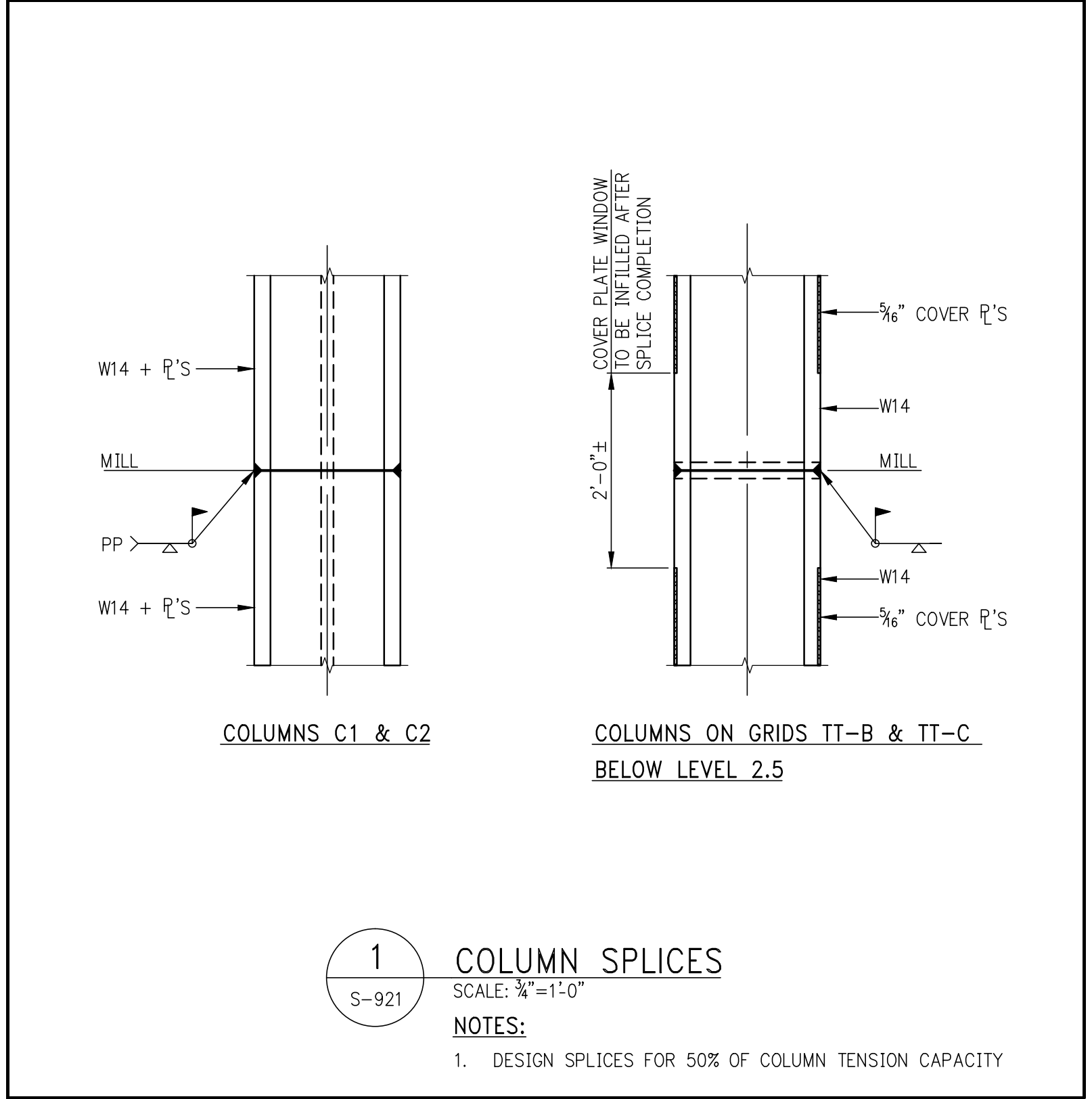
9 BULKHEAD LEVEL 4 FRAMING PLAN
SCALE: 1/8" = 1'-0"
T/ST. EL.: 1403'-5 3/4" U.O.N.

NOTE: DESIGN W/8 BEAM CONNECTIONS FOR R=10K (SERVICE)

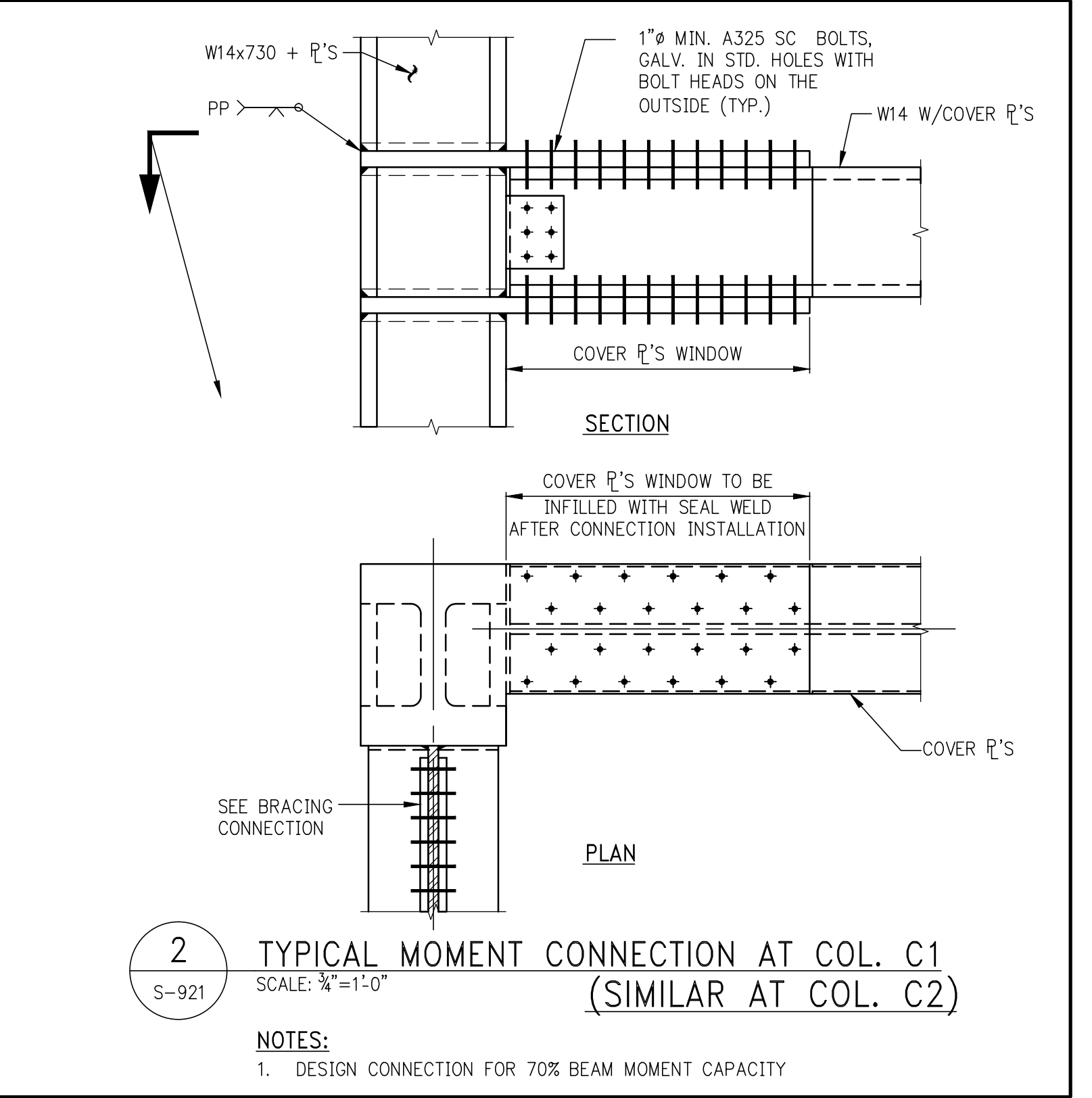
- NOTES: 1. ALL STEEL TO RECEIVE EXTERIOR TYPE PAINT OR TO BE GALVANIZED AS AN ALTERNATE. SEE SPECIFICATION 0510 CHAPTER 26 FOR FIRST 20 FEET HEIGHT OF TOWER STEEL TOP. 2. HORIZONTAL BRACING CONNECTIONS TO BE DESIGNED FOR 150K SERVICE AXIAL LOAD AT W/10A AND 25K SERVICE LOAD AT W/10B. ALL BOLTS TO BE GALVANIZED AND HAVE BOLT HEADS AT TOP. 3. FOR DETAILS SEE DRAWINGS S-800, S-821 & S-822. 4. ALL WELDS TO BE CONTINUOUS. 5. ALL GRATING TO BE REMOVABLE.



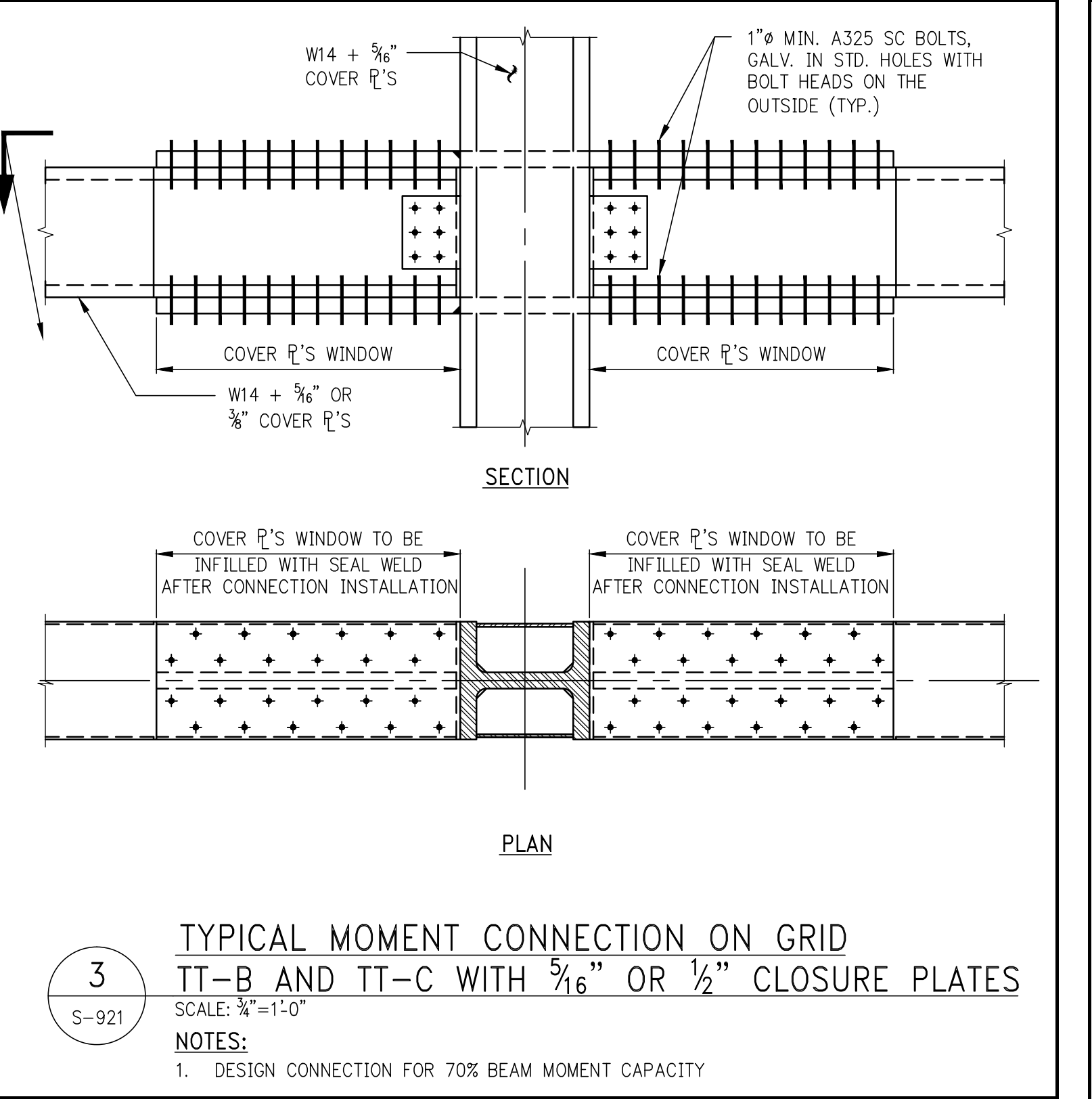
10 TOP OF STRUCTURE FRAMING PLAN
SCALE: 1/8" = 1'-0"
T/ST. EL.: 1423'-4 3/4" U.O.N.



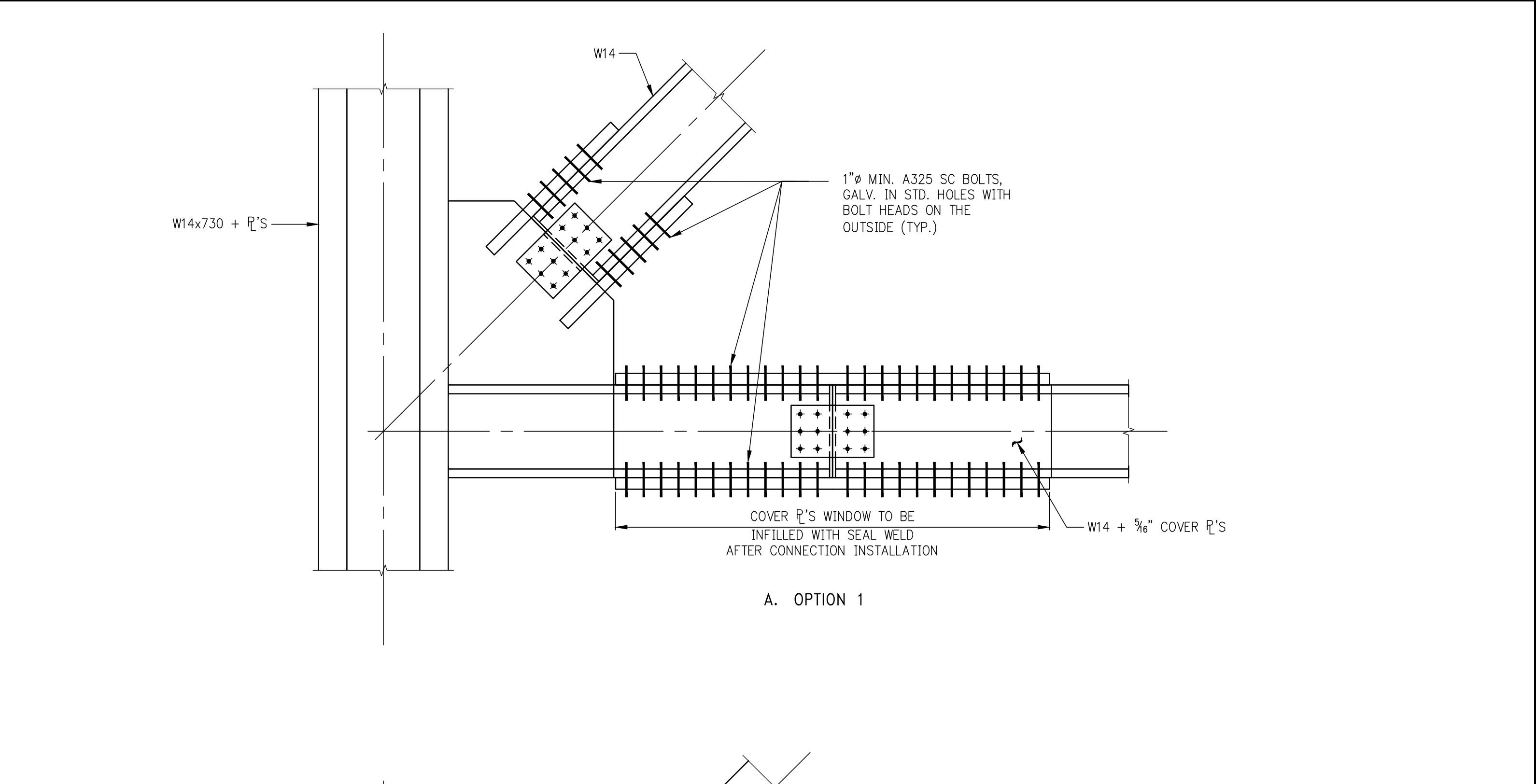
1 COLUMN SPLICES
SCALE: 3/4"=1'-0"
NOTES:
1. DESIGN SPLICES FOR 50% OF COLUMN TENSION CAPACITY



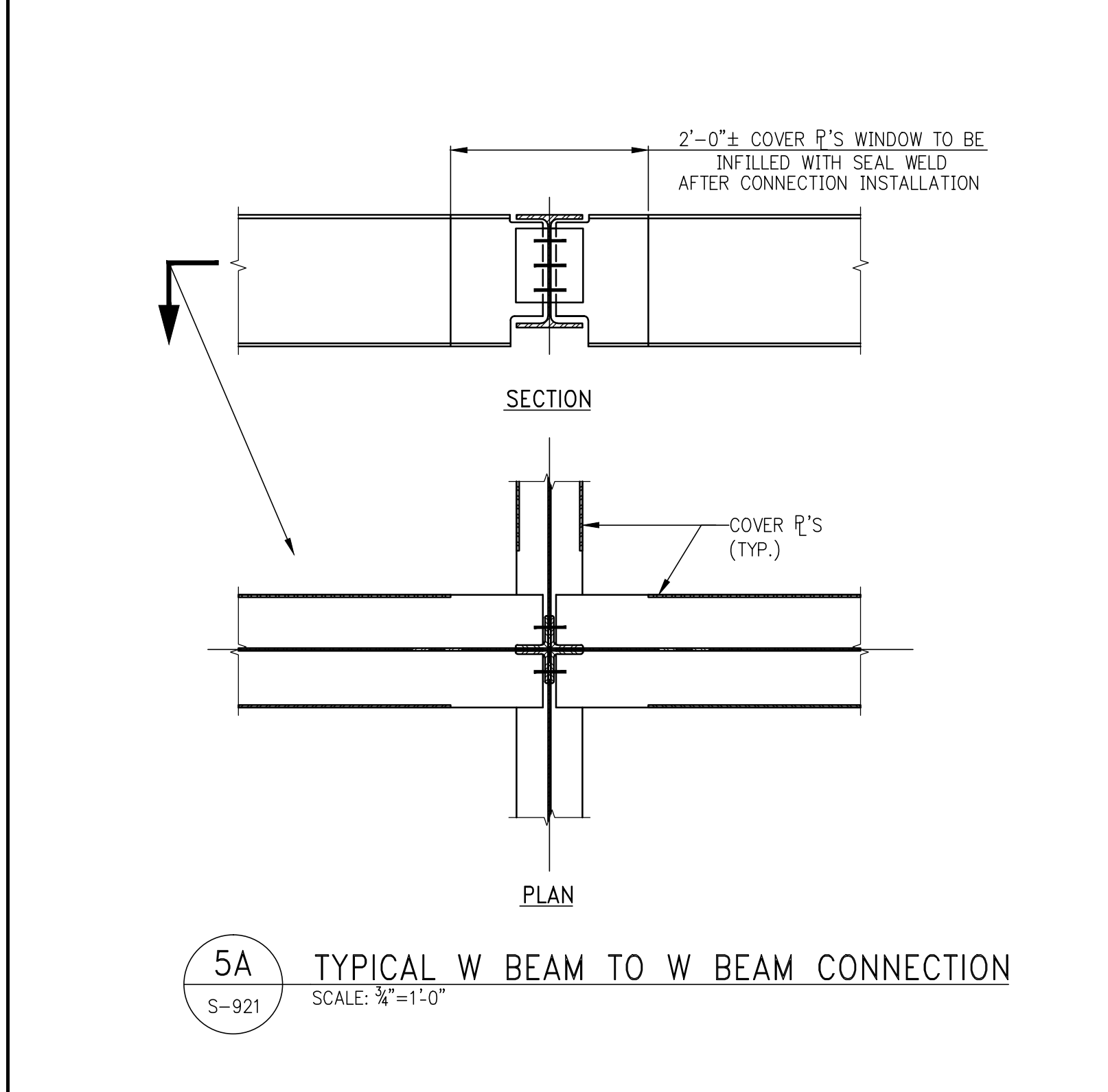
2 TYPICAL MOMENT CONNECTION AT COL. C1 (SIMILAR AT COL. C2)
SCALE: 3/4"=1'-0"
NOTES:
1. DESIGN CONNECTION FOR 70% BEAM MOMENT CAPACITY



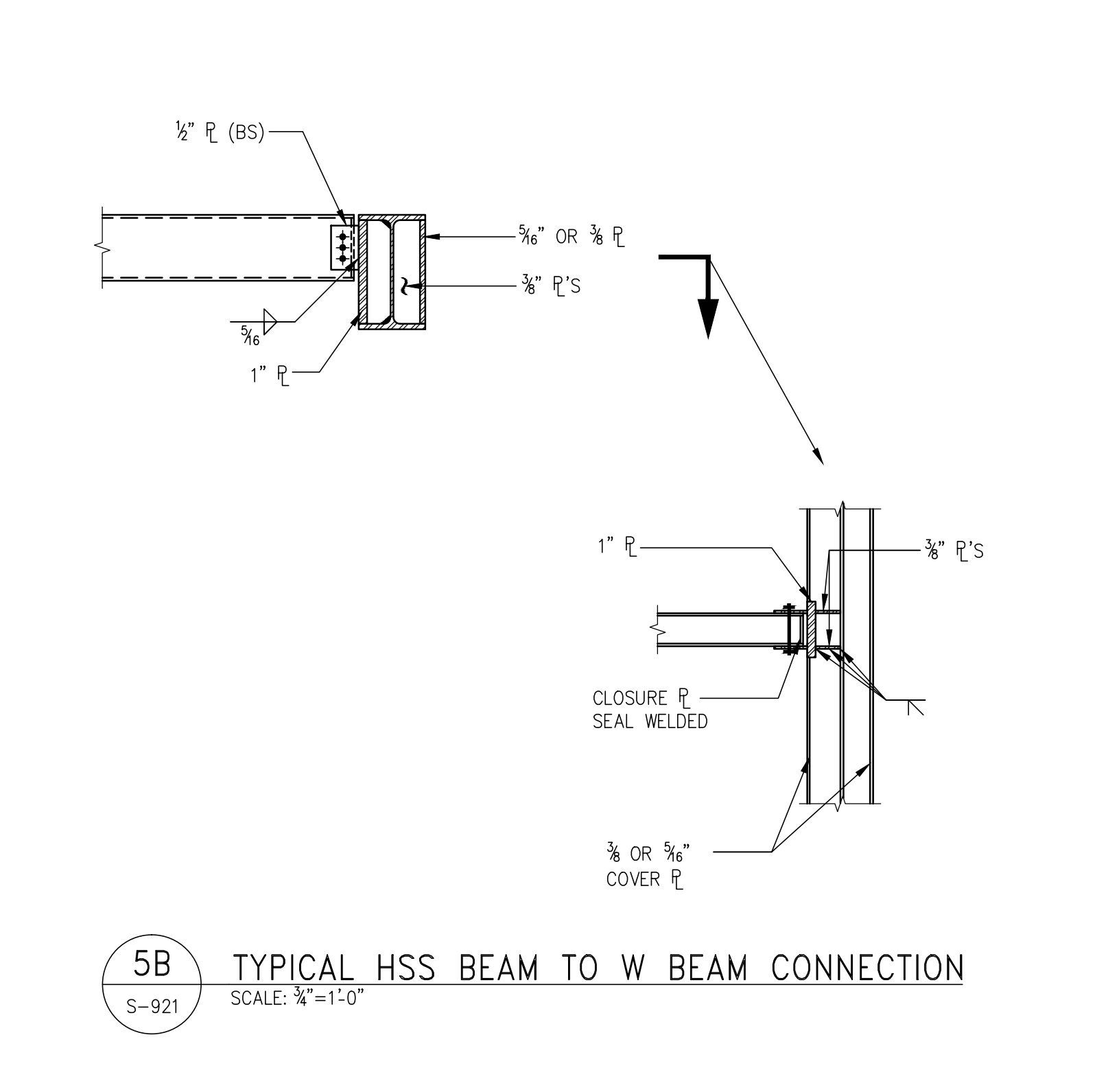
3 TYPICAL MOMENT CONNECTION ON GRID TT-B AND TT-C WITH 3/8\"/>



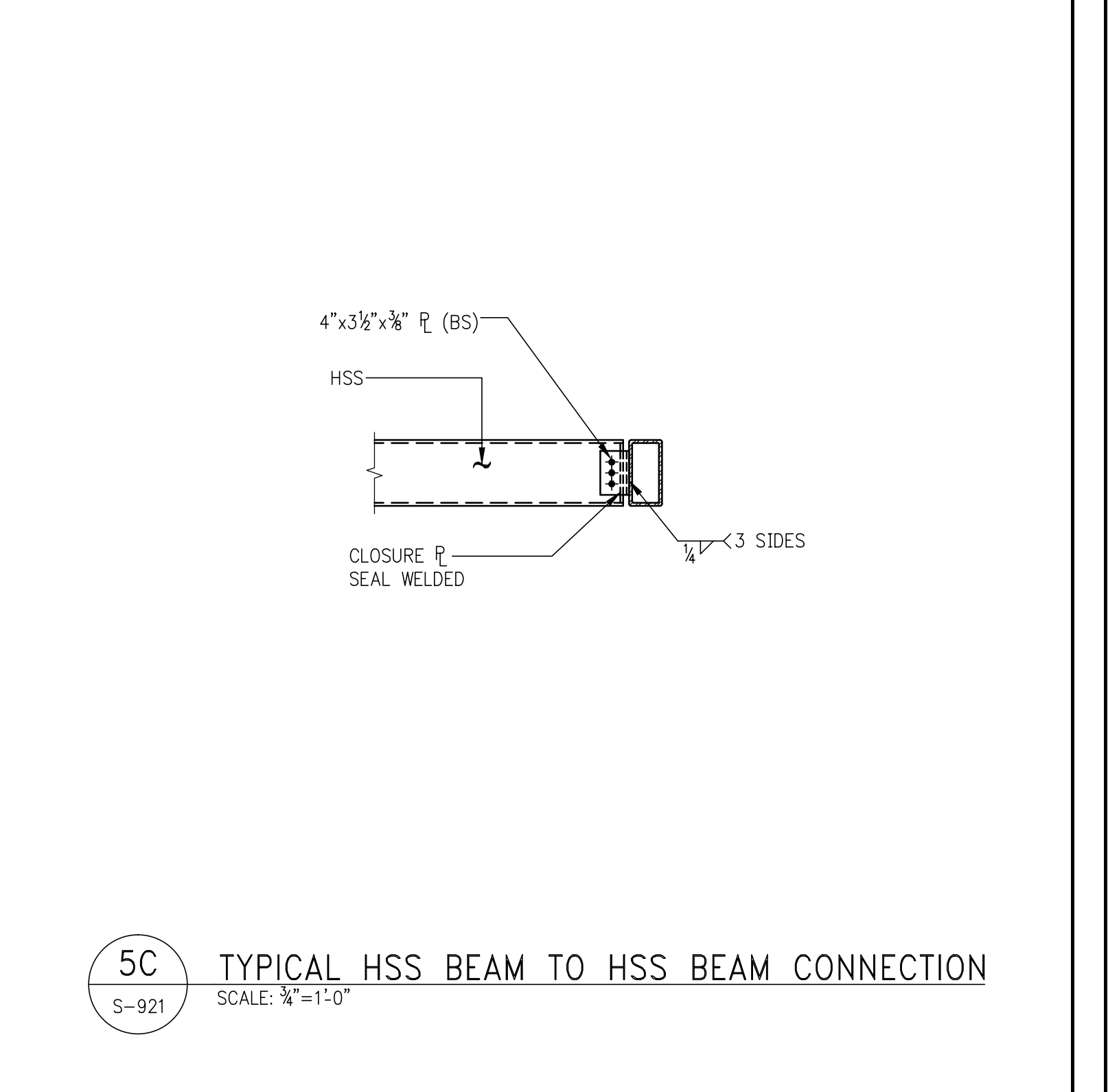
4 TYPICAL BRACING CONNECTION
SCALE: 3/4"=1'-0"
NOTES:
1. DESIGN BRACING CONNECTION FOR MIN. 50% OF BRACE TENSION CAPACITY.
2. DESIGN BEAM SPLICE FOR 70% MOMENT CAPACITY.



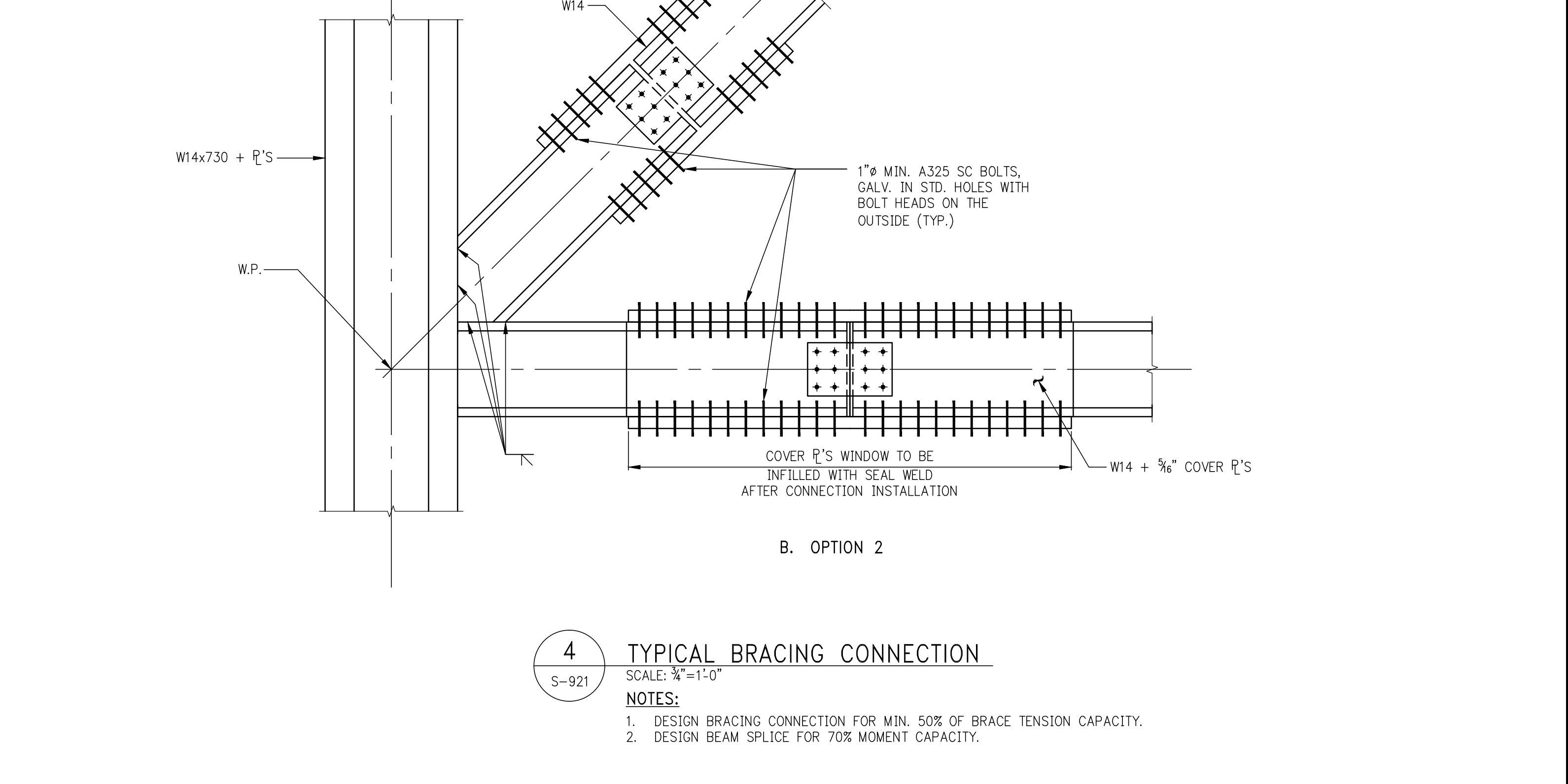
5A TYPICAL W BEAM TO W BEAM CONNECTION
SCALE: 3/4"=1'-0"



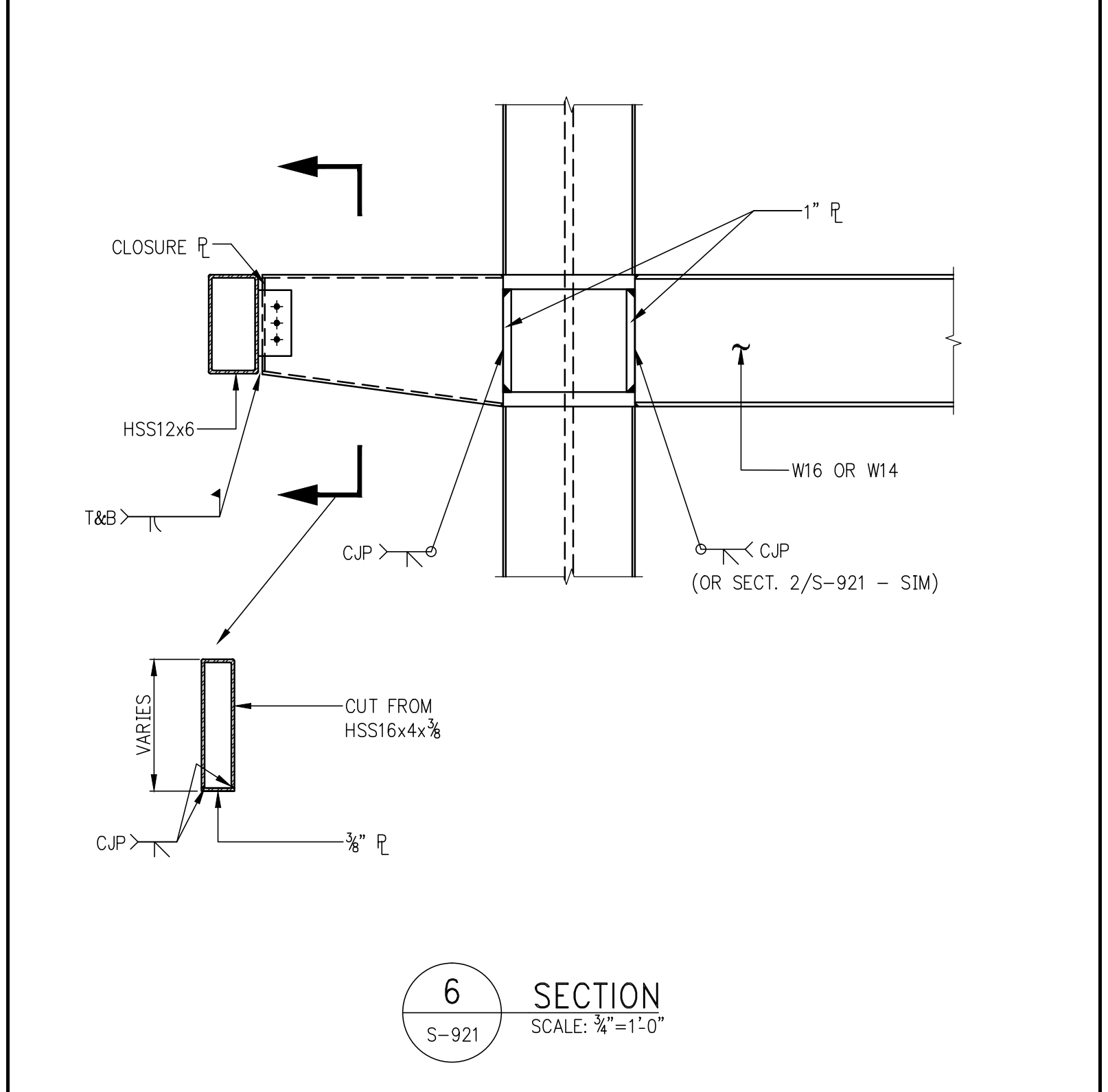
5B TYPICAL HSS BEAM TO W BEAM CONNECTION
SCALE: 3/4"=1'-0"



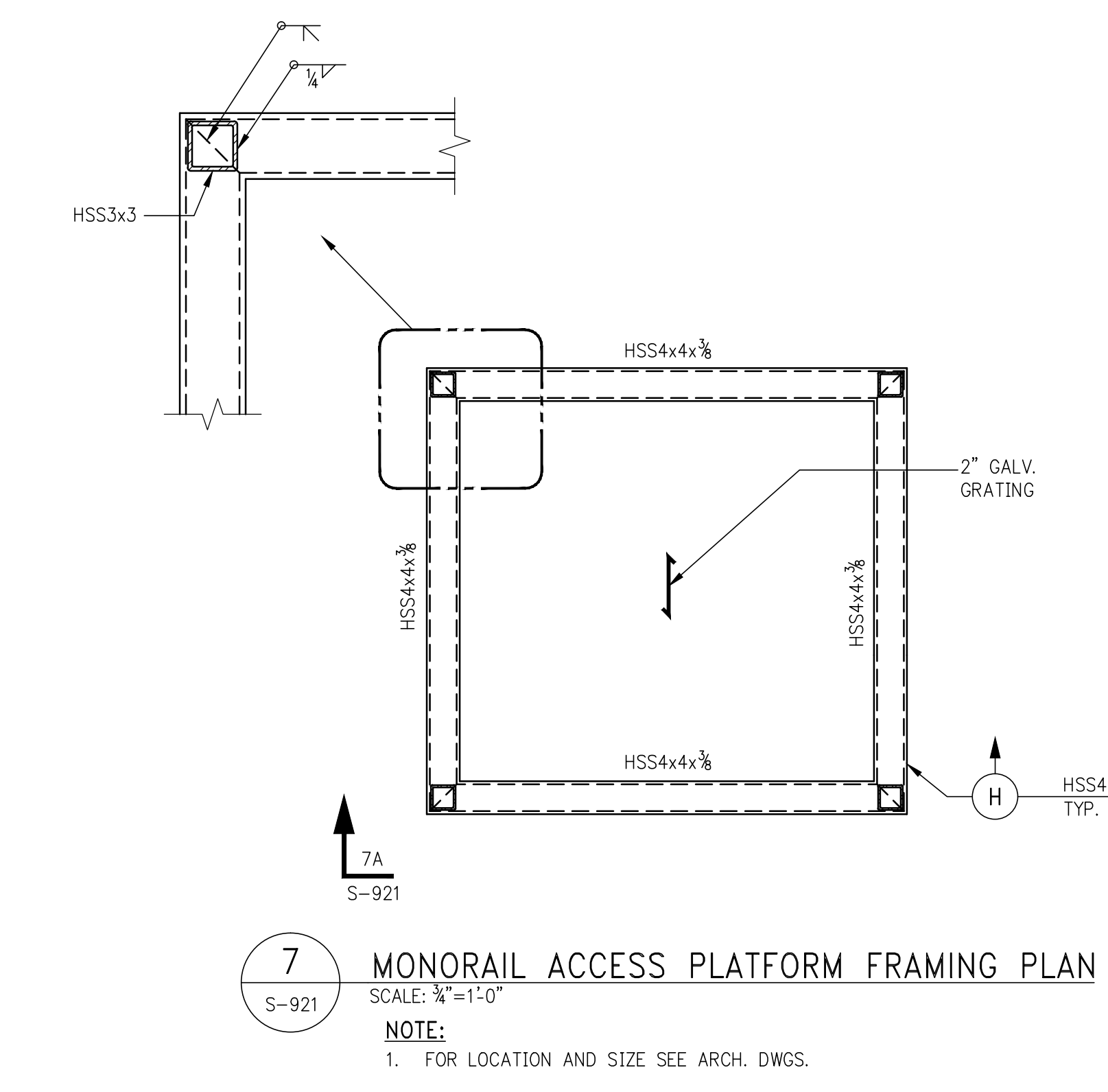
5C TYPICAL HSS BEAM TO HSS BEAM CONNECTION
SCALE: 3/4"=1'-0"



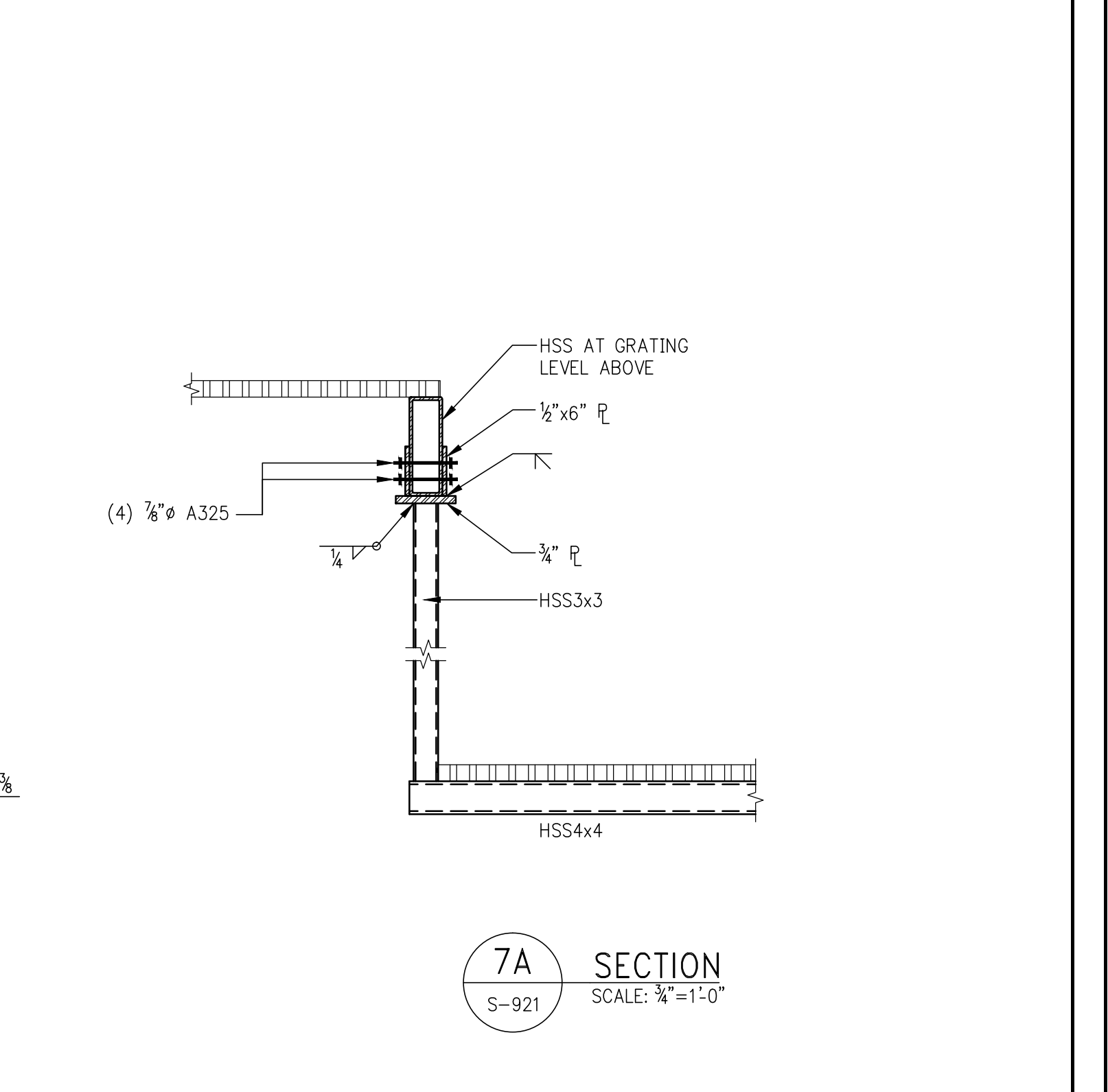
4 TYPICAL BRACING CONNECTION
SCALE: 3/4"=1'-0"
NOTES:
1. DESIGN BRACING CONNECTION FOR MIN. 50% OF BRACE TENSION CAPACITY.
2. DESIGN BEAM SPLICE FOR 70% MOMENT CAPACITY.



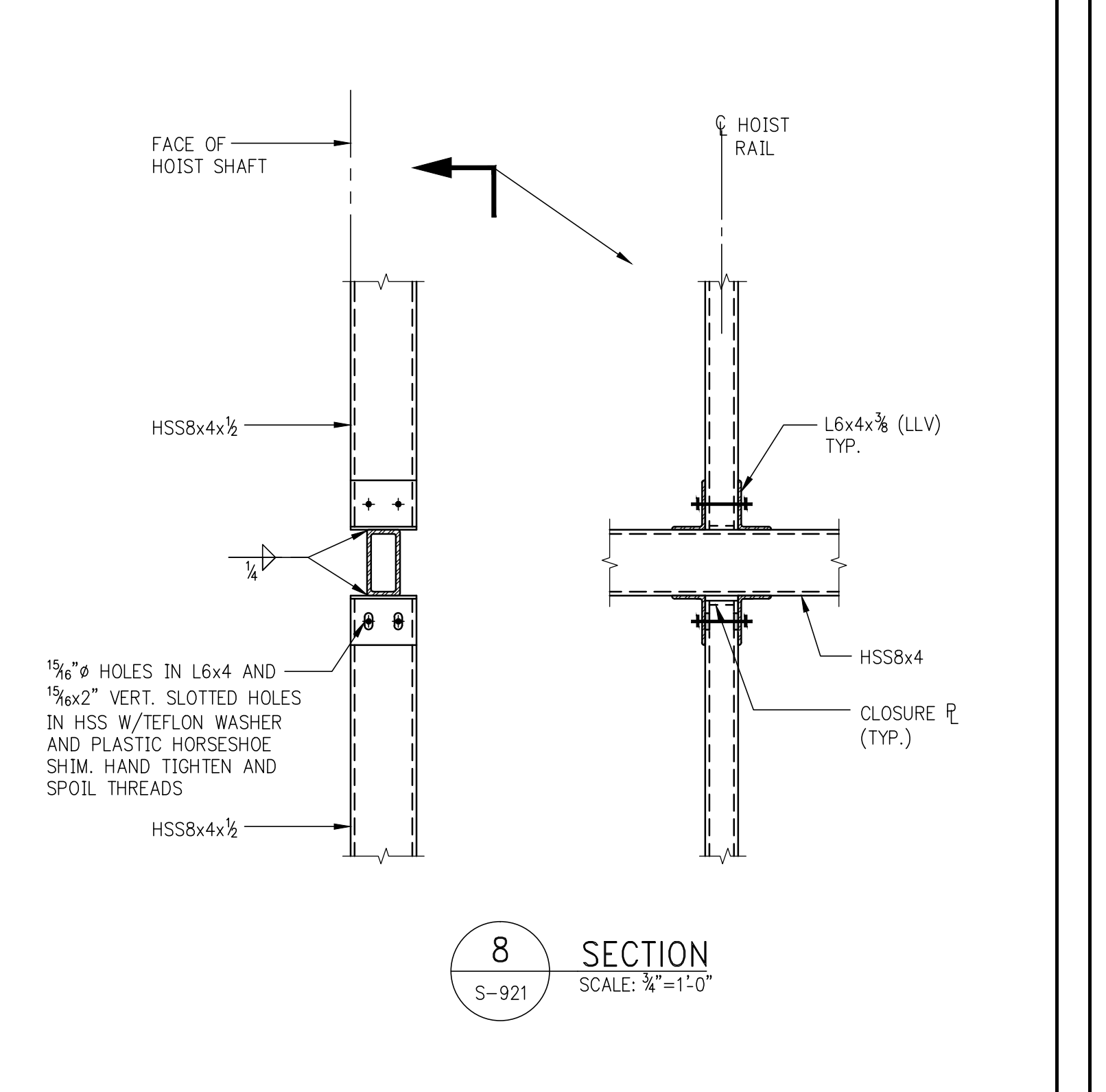
6 SECTION
SCALE: 3/4"=1'-0"



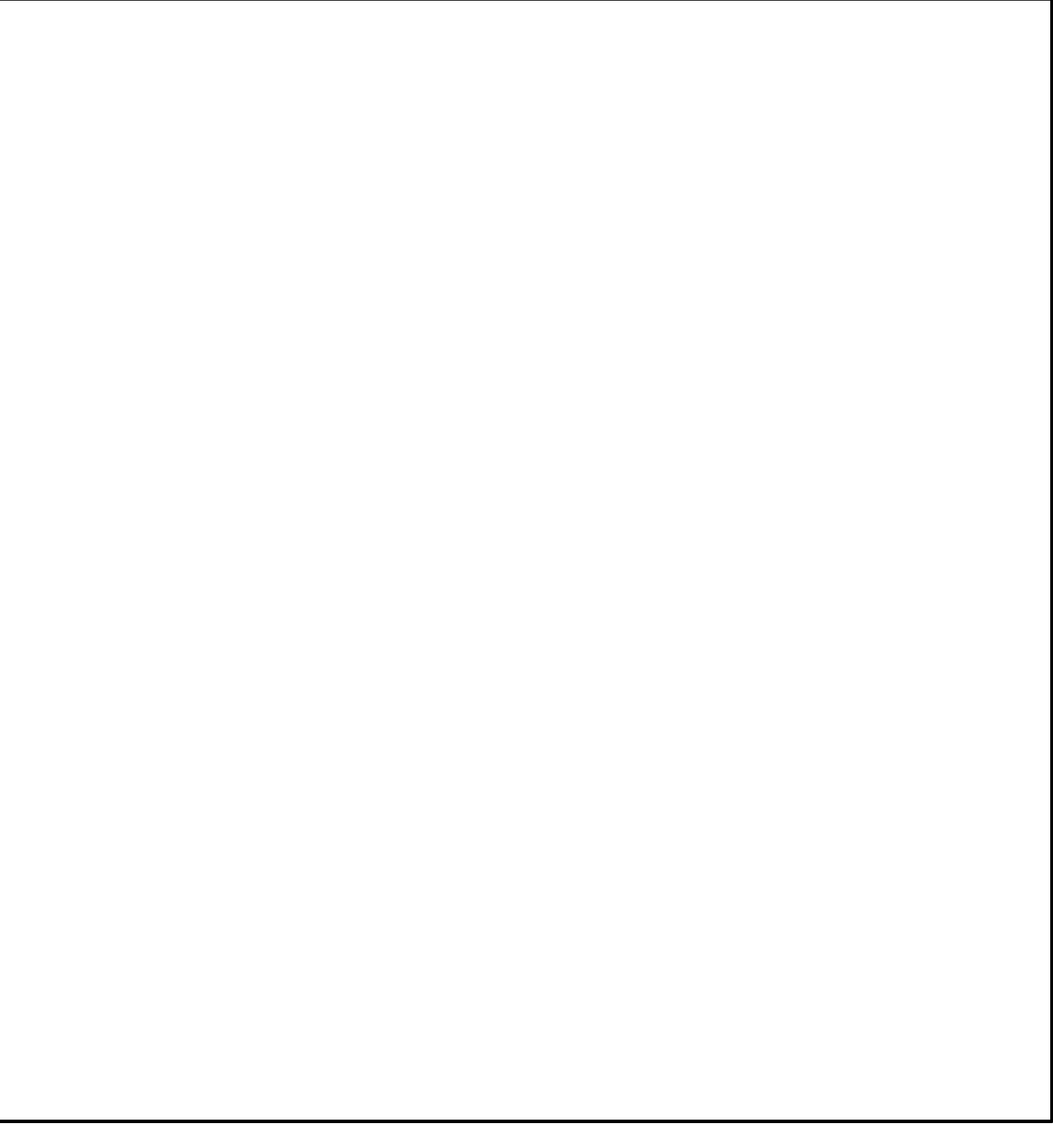
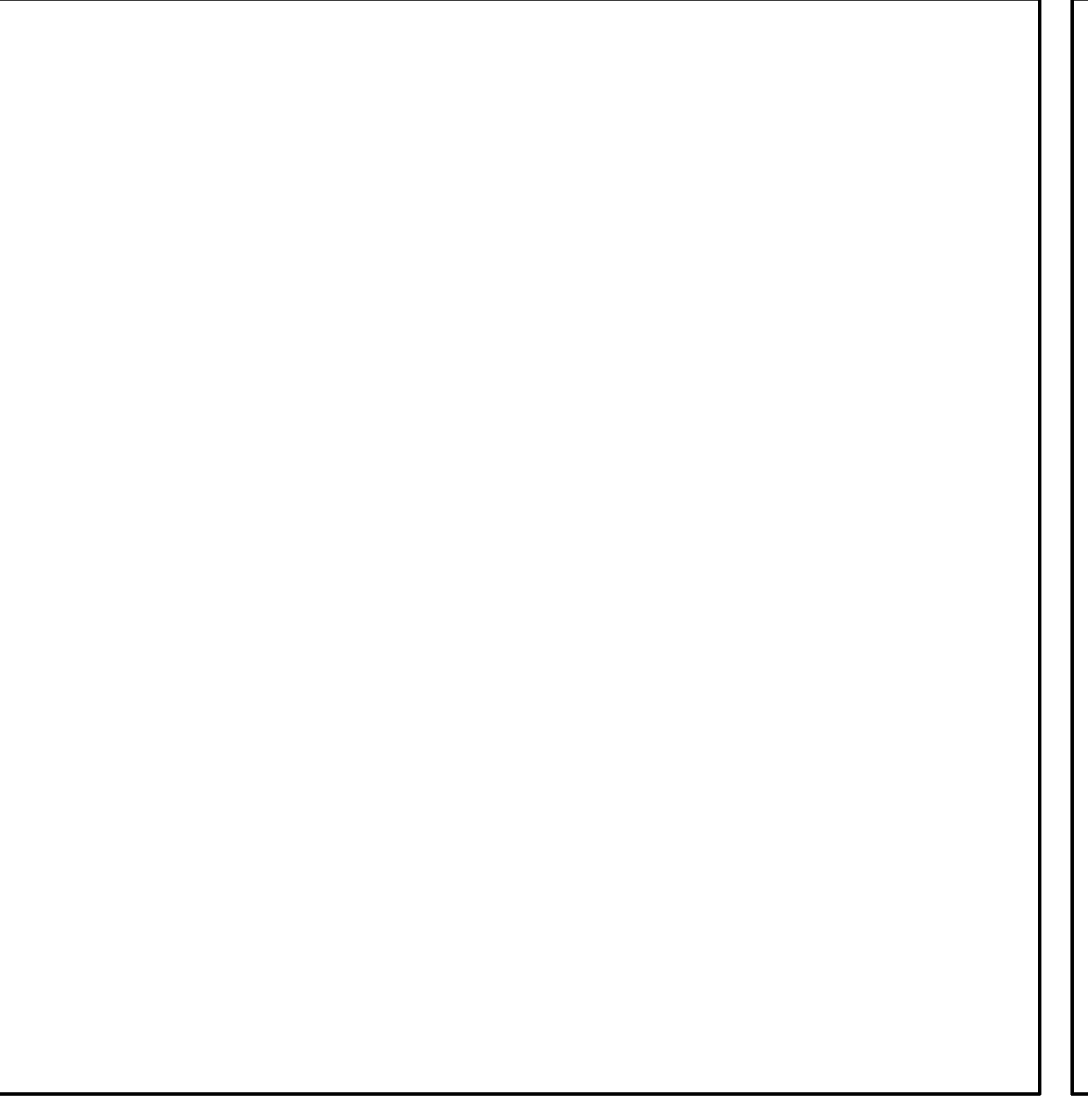
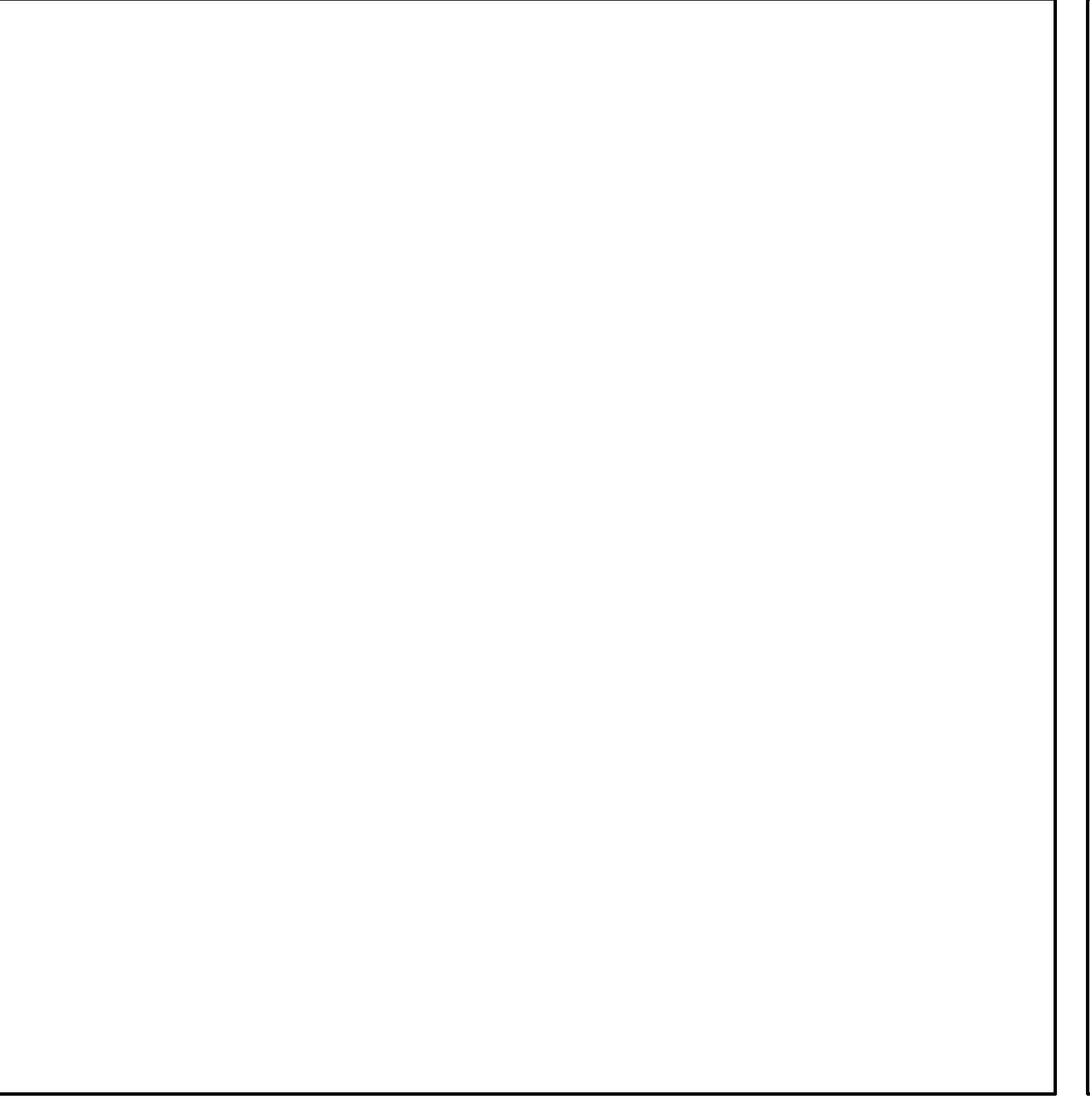
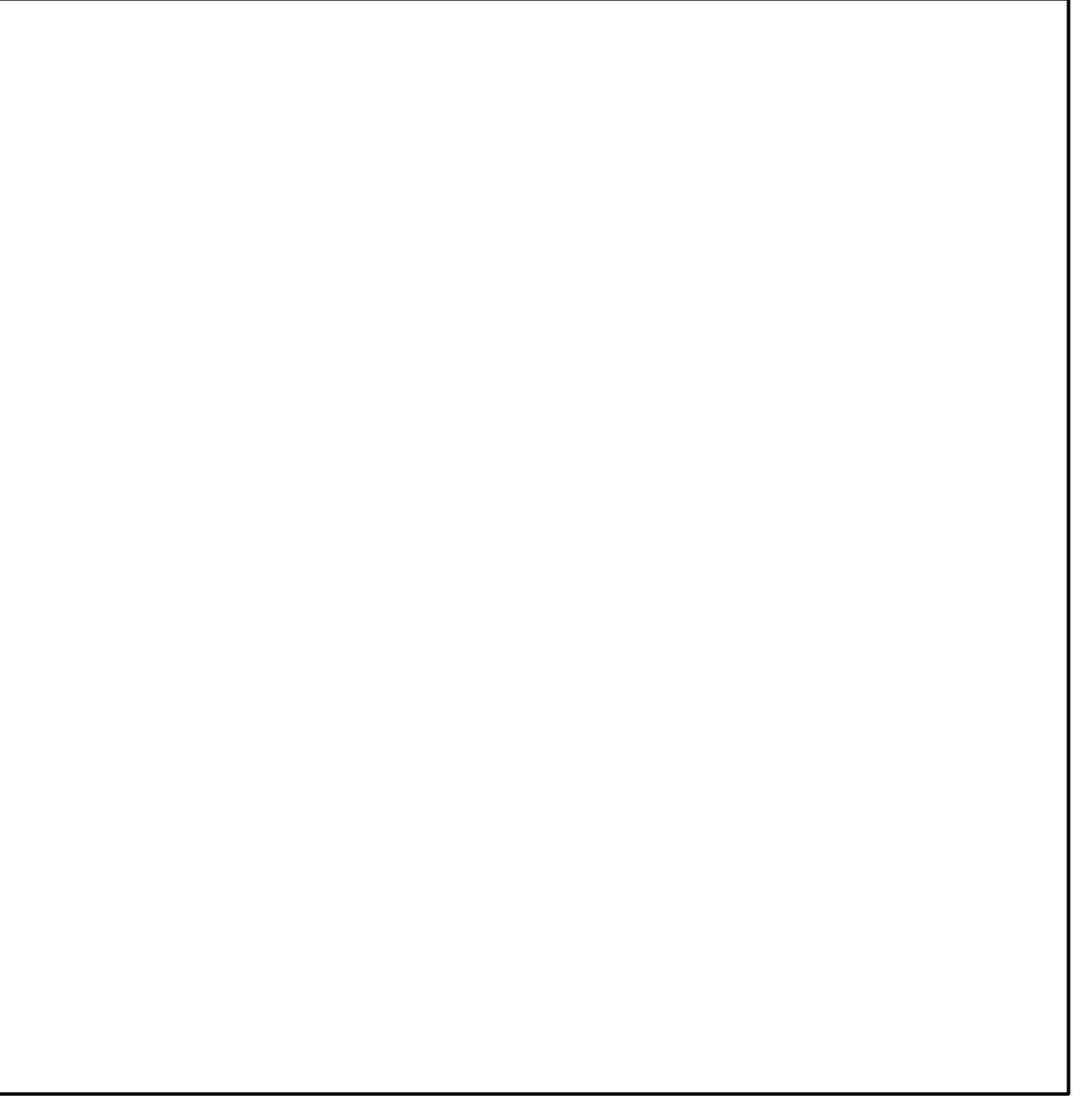
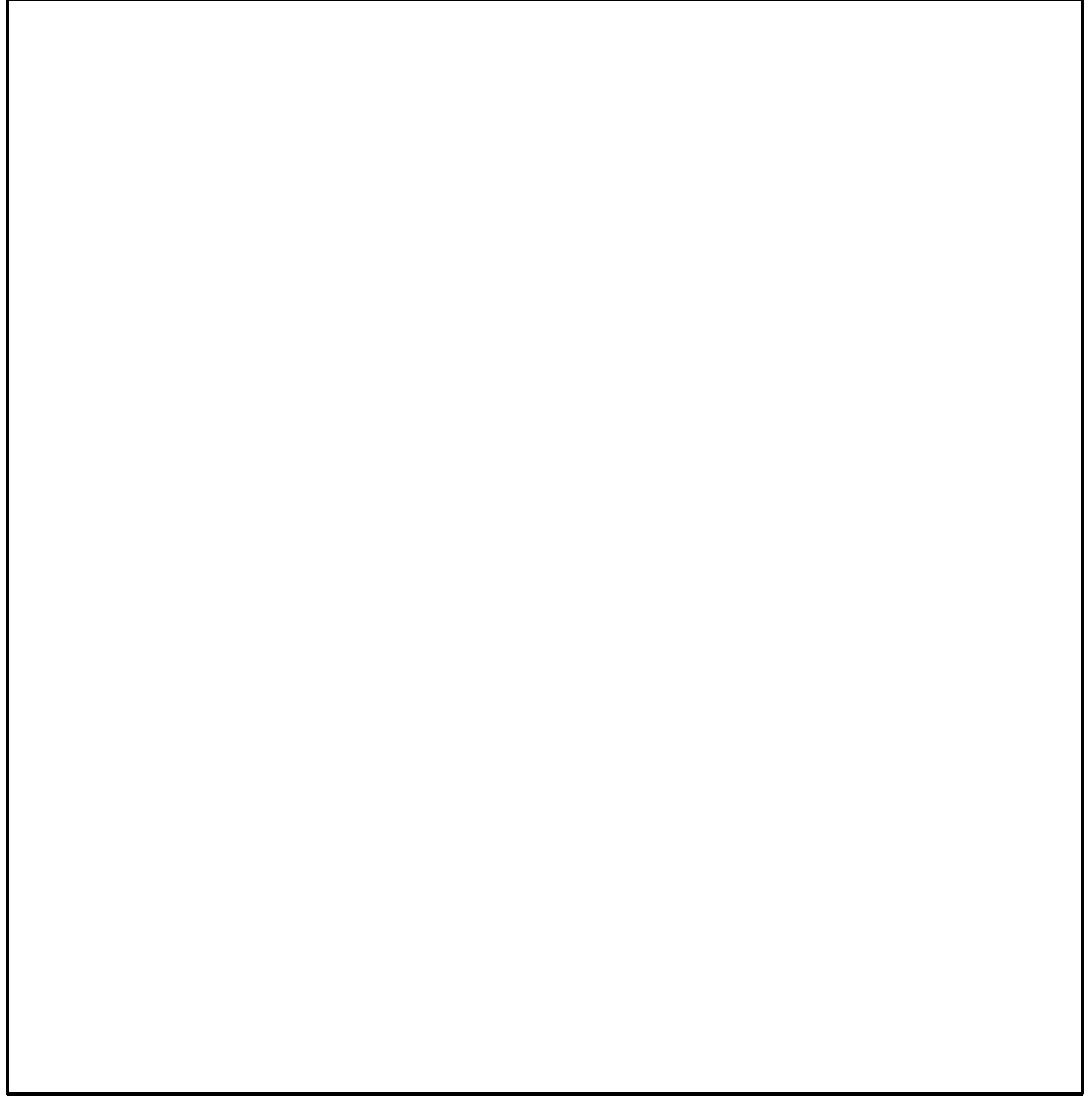
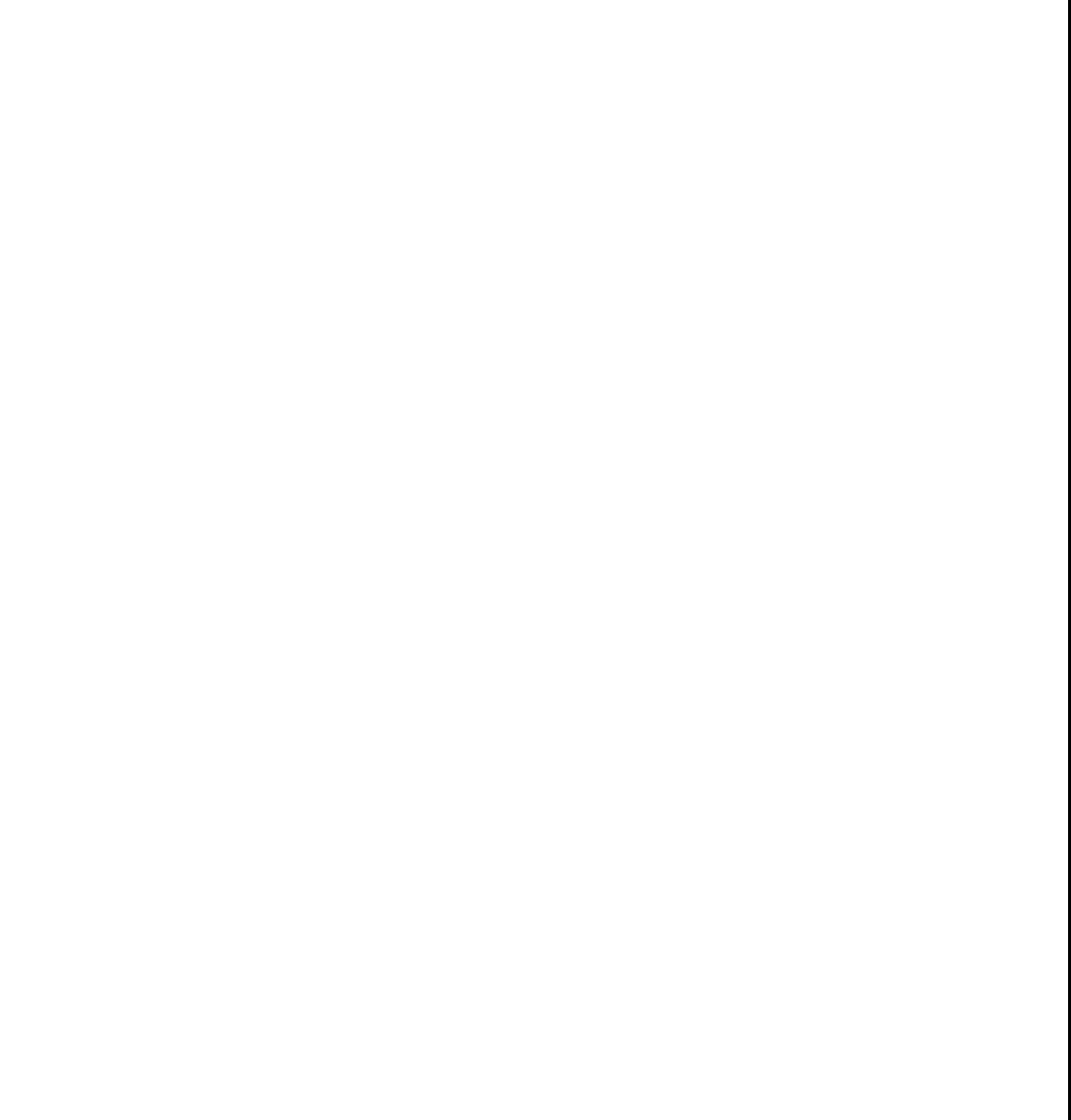
7 MONORAIL ACCESS PLATFORM FRAMING PLAN
SCALE: 3/4"=1'-0"
NOTE:
1. FOR LOCATION AND SIZE SEE ARCH. DWGS.



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



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



JDS DEVELOPMENT GROUP

sh p

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MIRCE
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COOPERATIVE INTERNATIONAL
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CURRENT ISSUE

DOB PAA

Shauqat Shaikh
Buildings & Water

APPROVED
Under Directive 2 of 1975
DATE: 08/28/2015
NYC Development Hub

111 WEST 57TH STREET
111 WEST 57TH STREET
NEW YORK, NY 10019

NO.	DATE	REVISION
1	3.27.15	DOB PAA

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DRAWING TITLE

TOP OF BUILDING DETAILS 1

SEAL & SIGNATURE _____ **DATE** 07/16/15

PROJECT NO. 1310140

DRAWN BY CAD

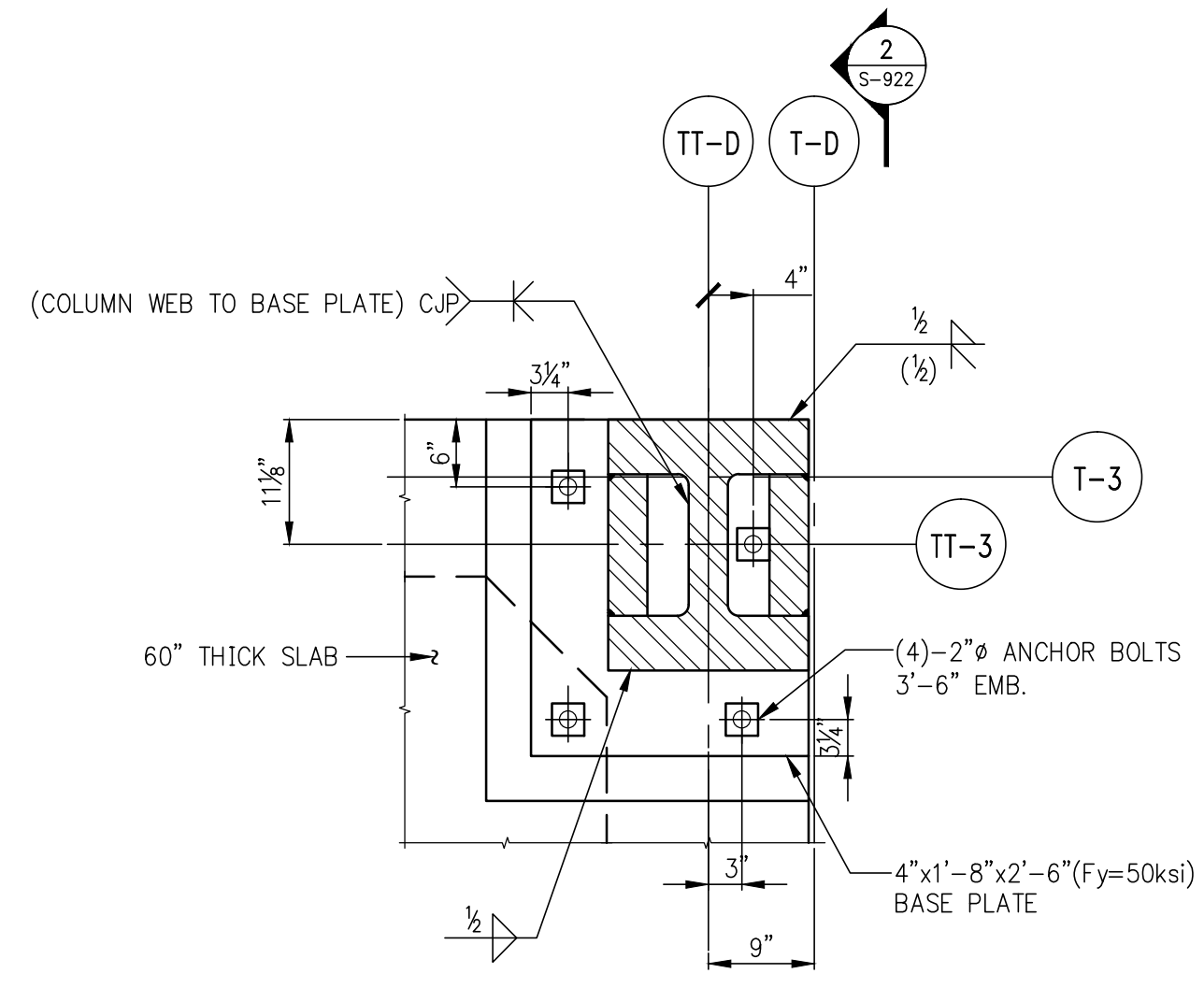
CHECKED BY CL

DOB NO. 121330060

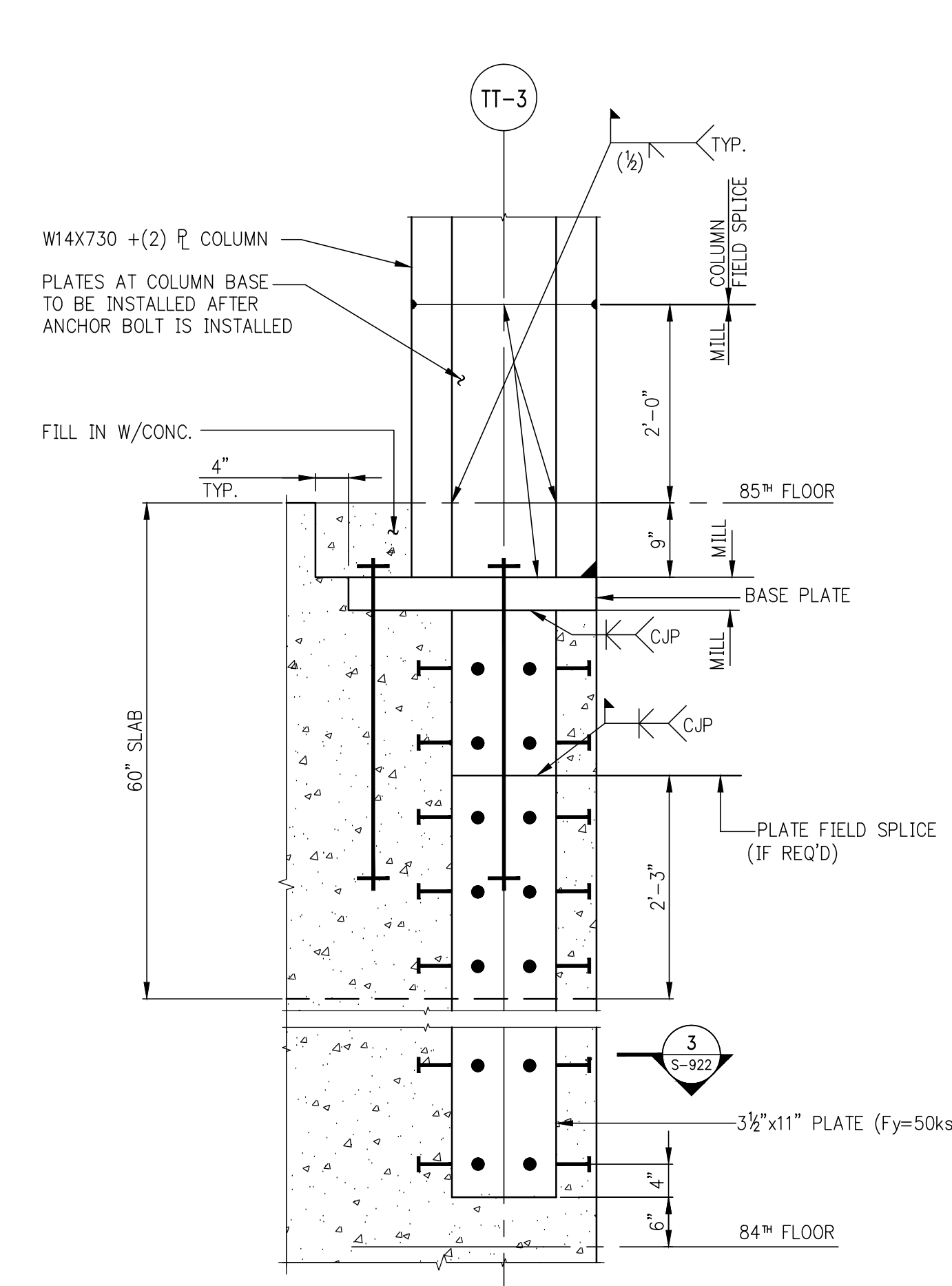
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S-921.01

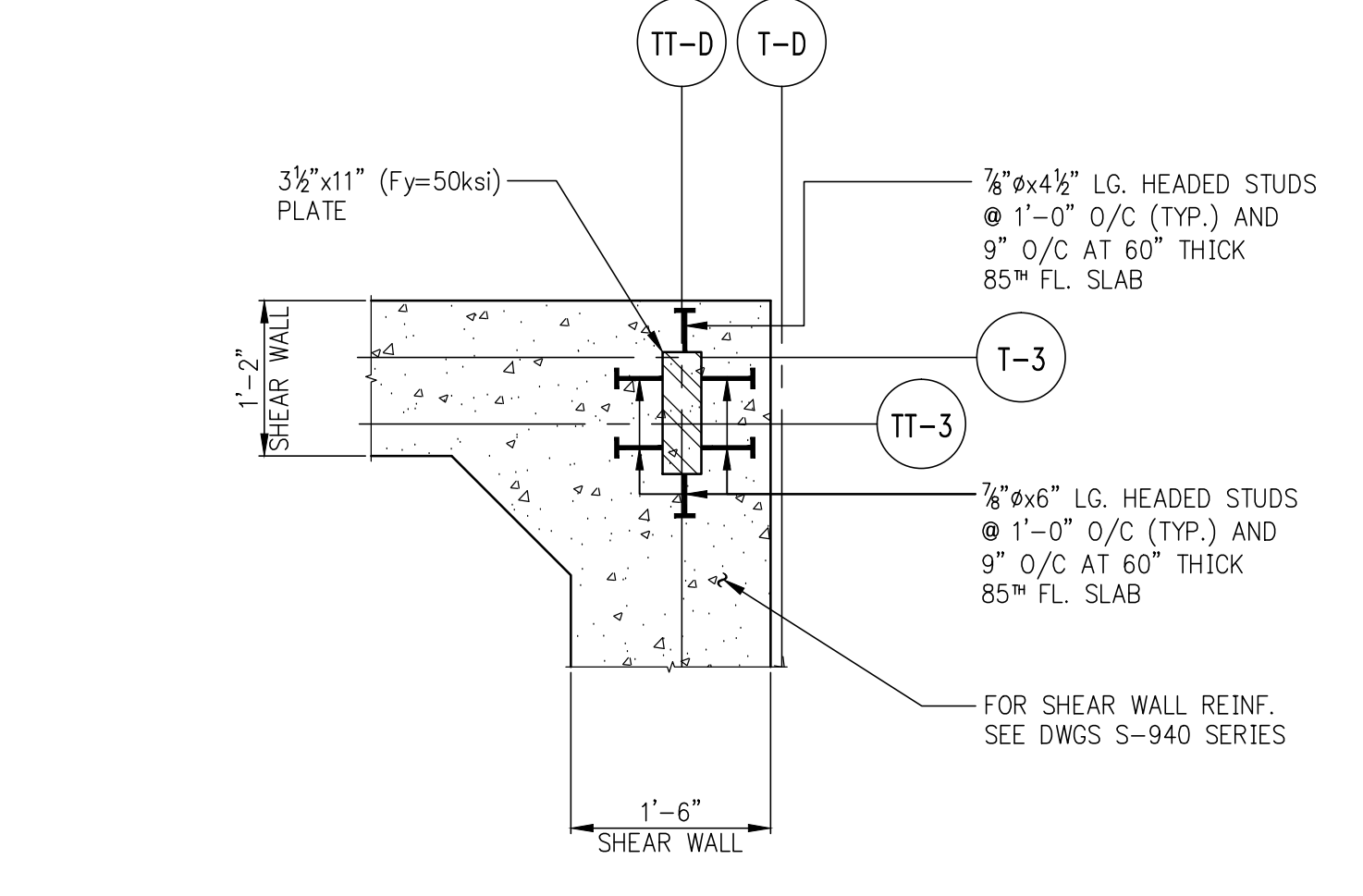
SHEET XX OF XX



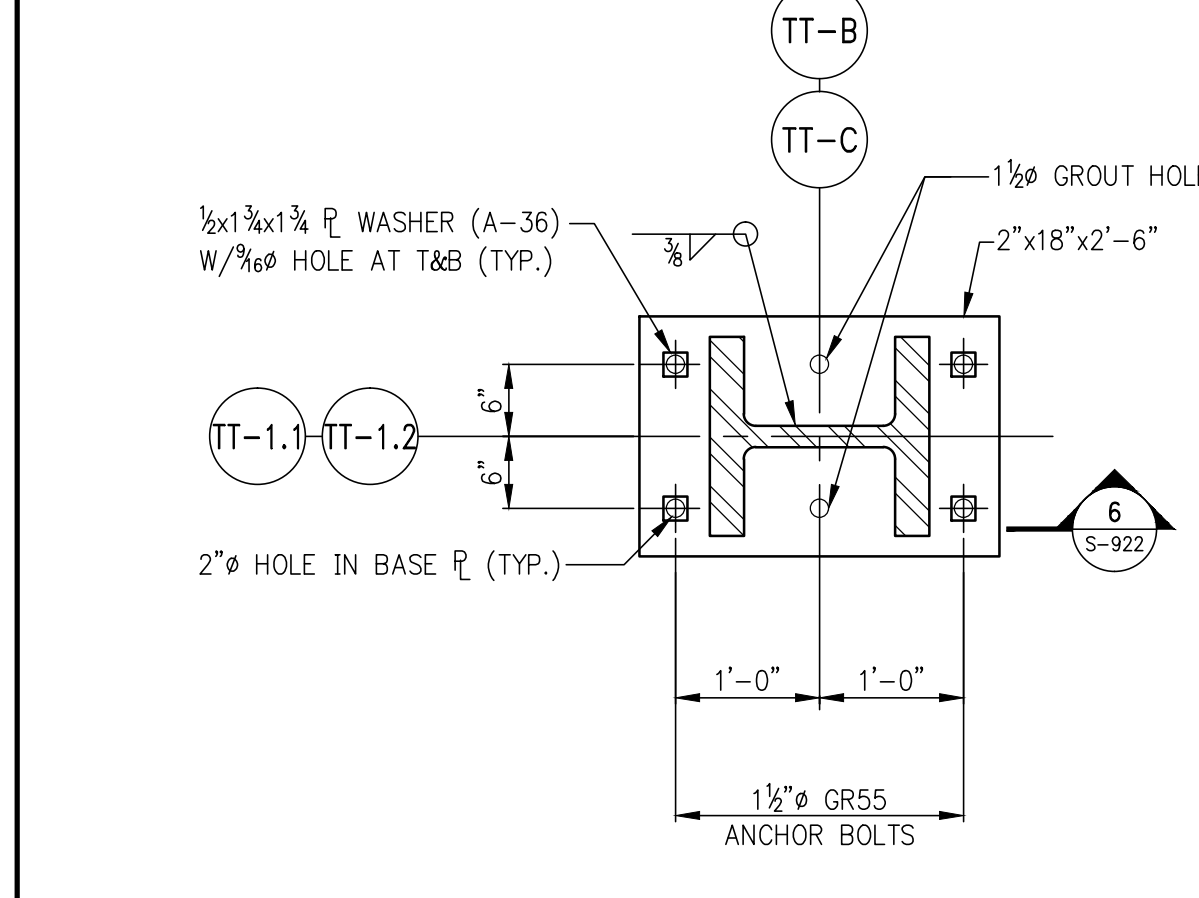
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S-922 SCALE: 3/4"=1'-0"



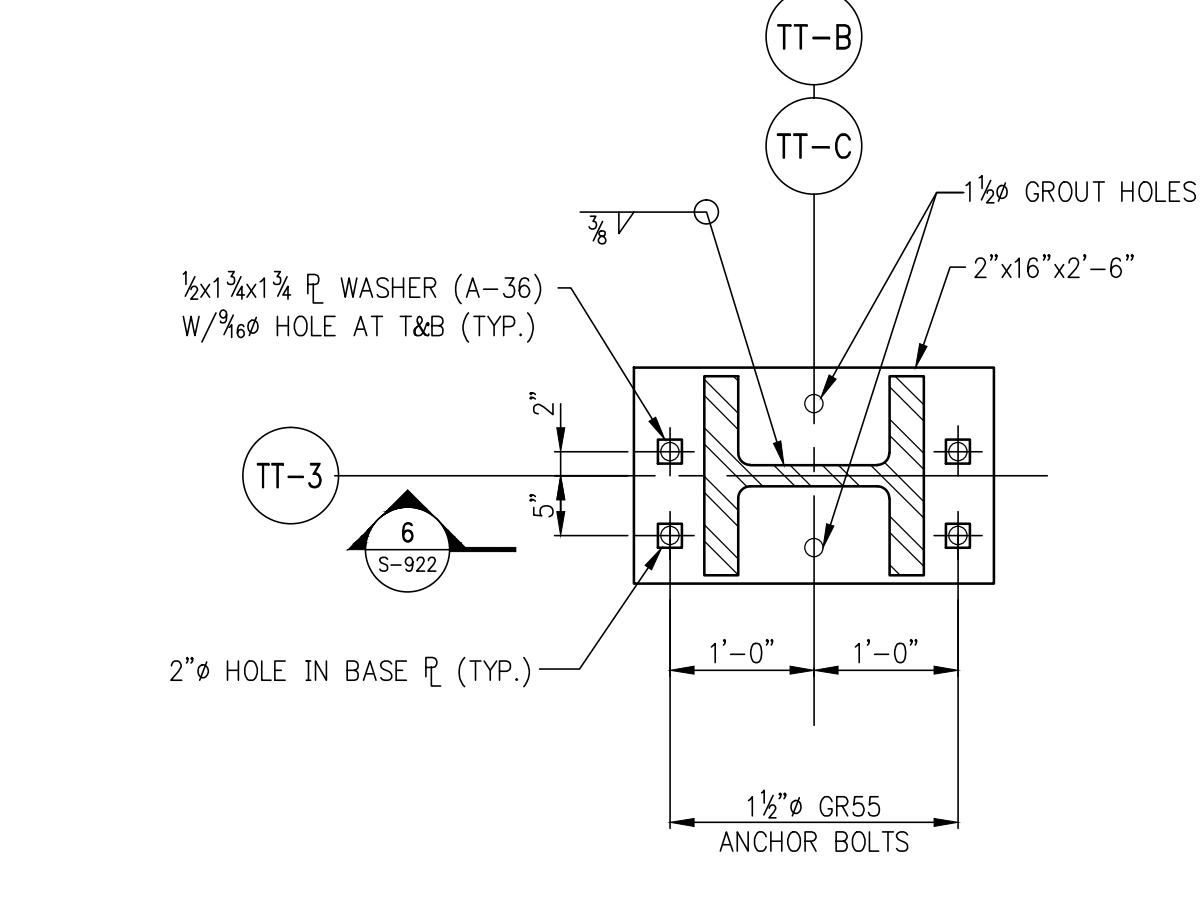
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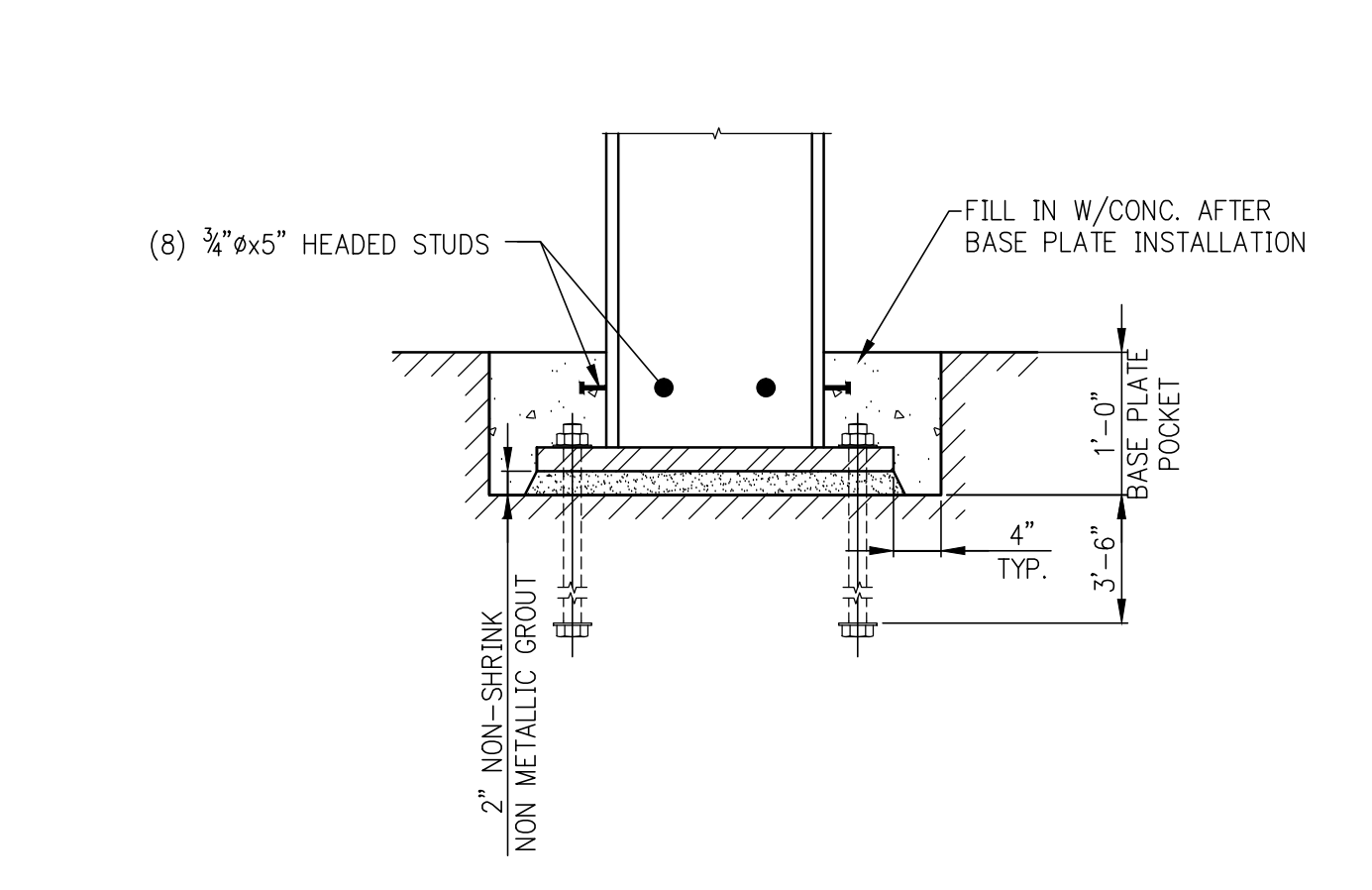
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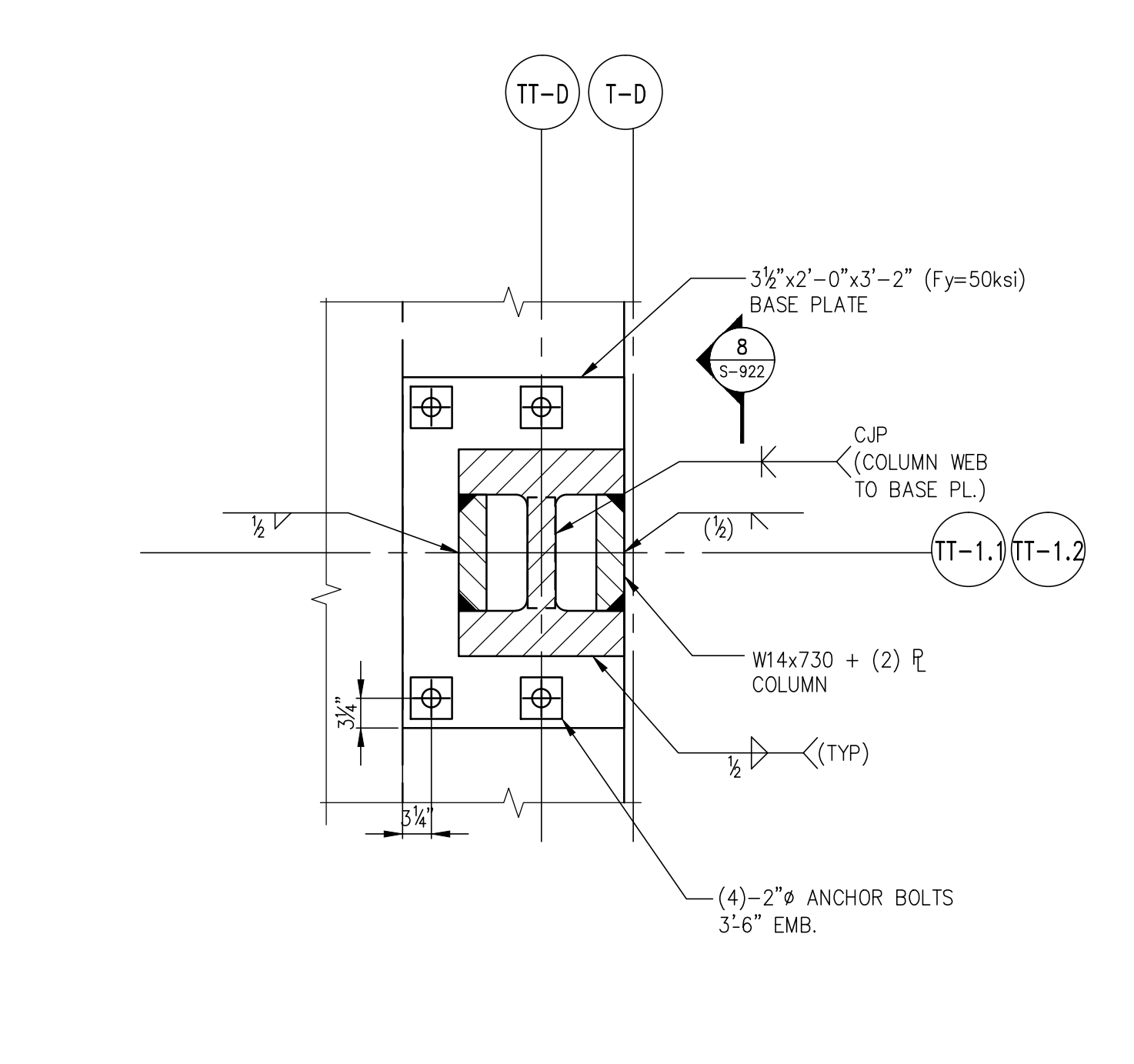
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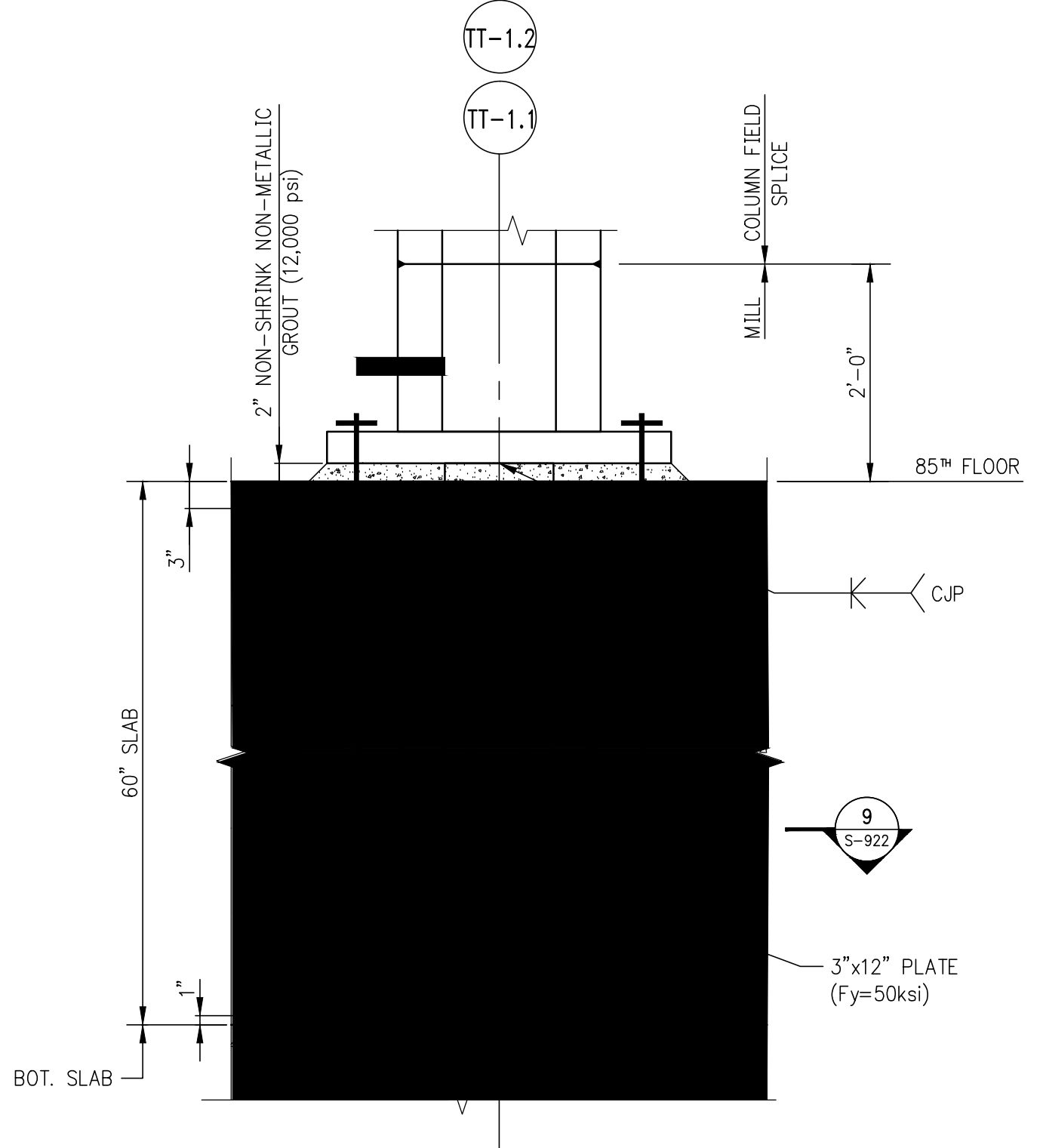
5 DETAIL
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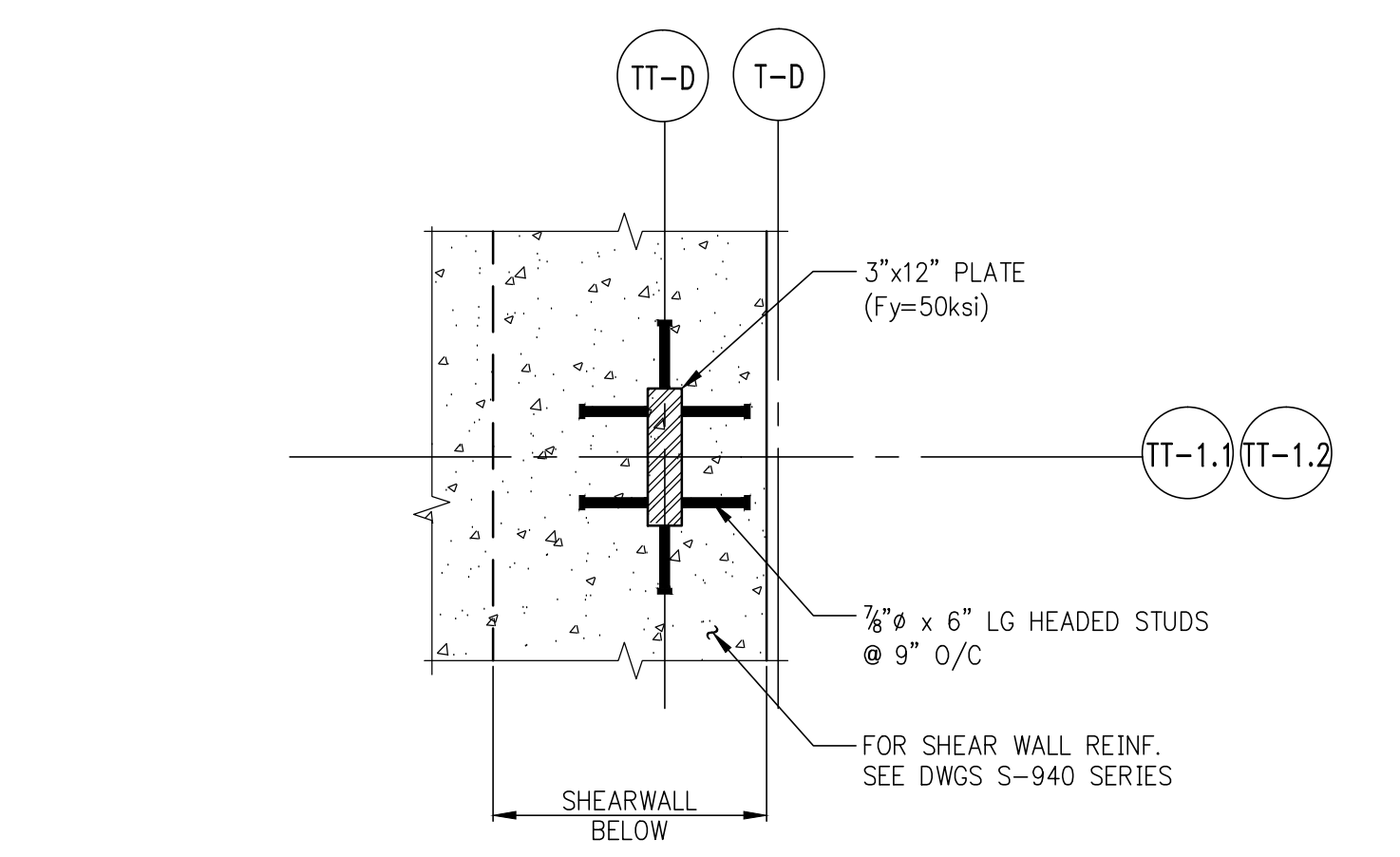
6 SECTION
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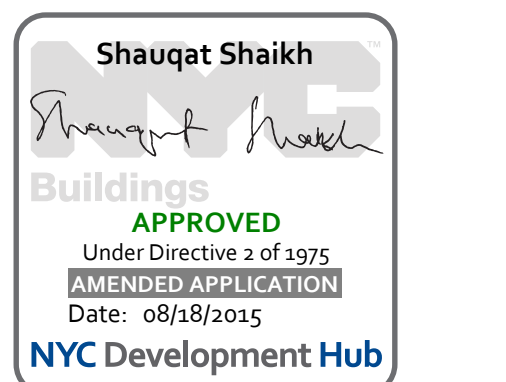
7 DETAIL
S-922 SCALE: 3/4"=1'-0"



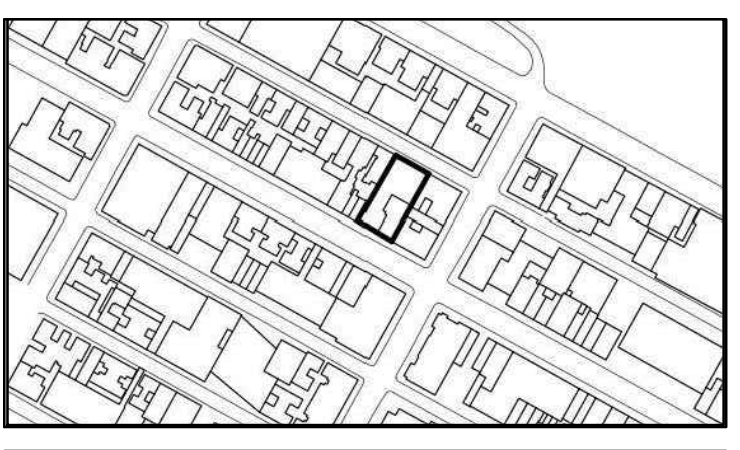
8 SECTION
S-922 SCALE: 3/4"=1'-0"



9 DETAIL
S-922 SCALE: 3/4"=1'-0"



111 WEST 57TH STREET
111 WEST 57TH STREET
NEW YORK, NY 10019



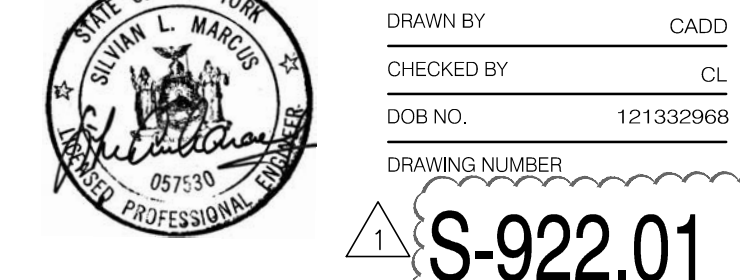
NO.	DATE	REVISION
1	3.27.15	DOB PAA

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DRAWING TITLE
TOP OF BUILDING DETAILS 2

SEAL & SIGNATURE DATE 07/16/15
PROJECT NO. 1310140
DRAWN BY CAD
CHECKED BY CL
DOB NO. 1213300968
DRAWING NUMBER

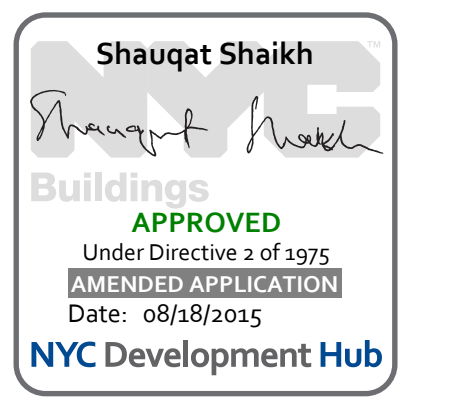


ARCHITECT	SHAP ARCHITECTS, P.C. 230 BROADWAY, 11TH FLOOR NEW YORK, NY 10038 TEL: 212 693 9300	FAÇADE	SHAPIRO HARRFIELD 100 WEST 47TH STREET NEW YORK, NY 10036 TEL: 212 254 2025
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CURRENT ISSUE



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111 WEST 57TH STREET

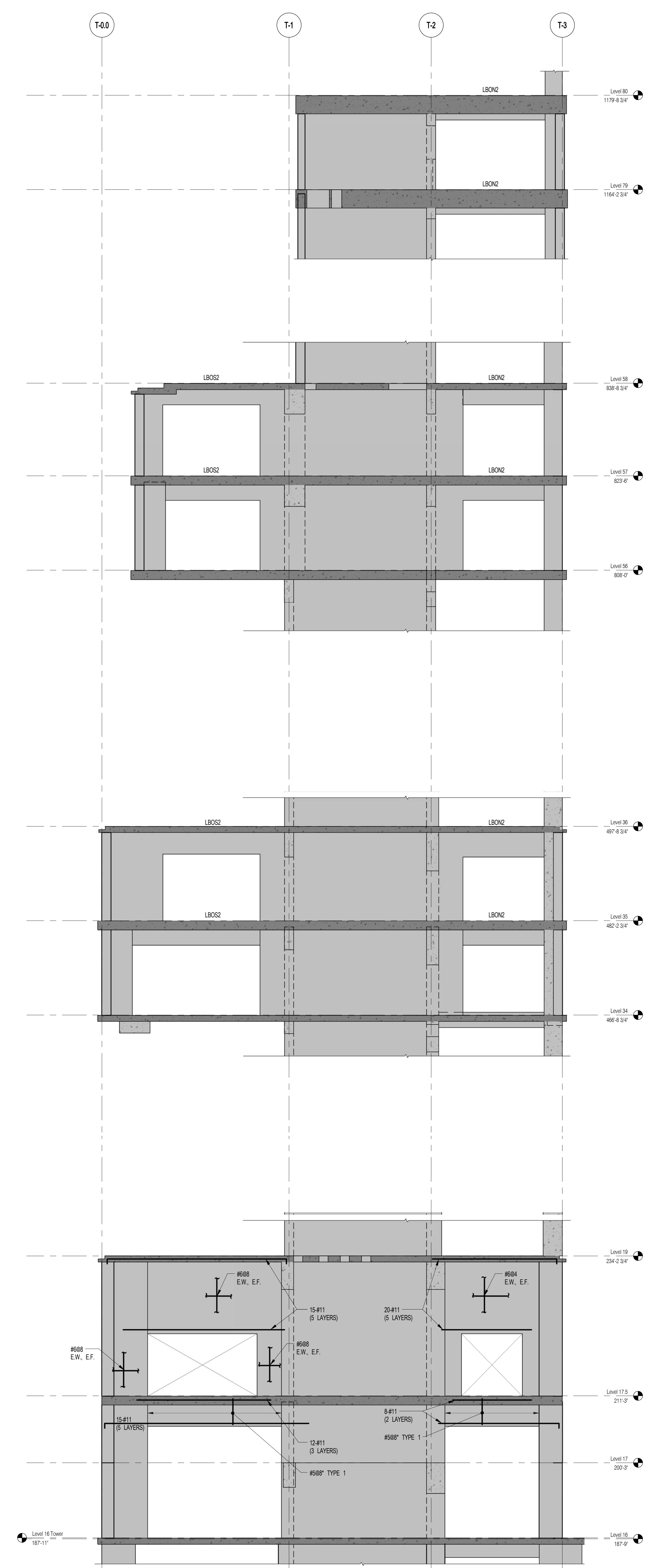


1	3/27/15	DOB PRA
NO.	DATE	REVISION
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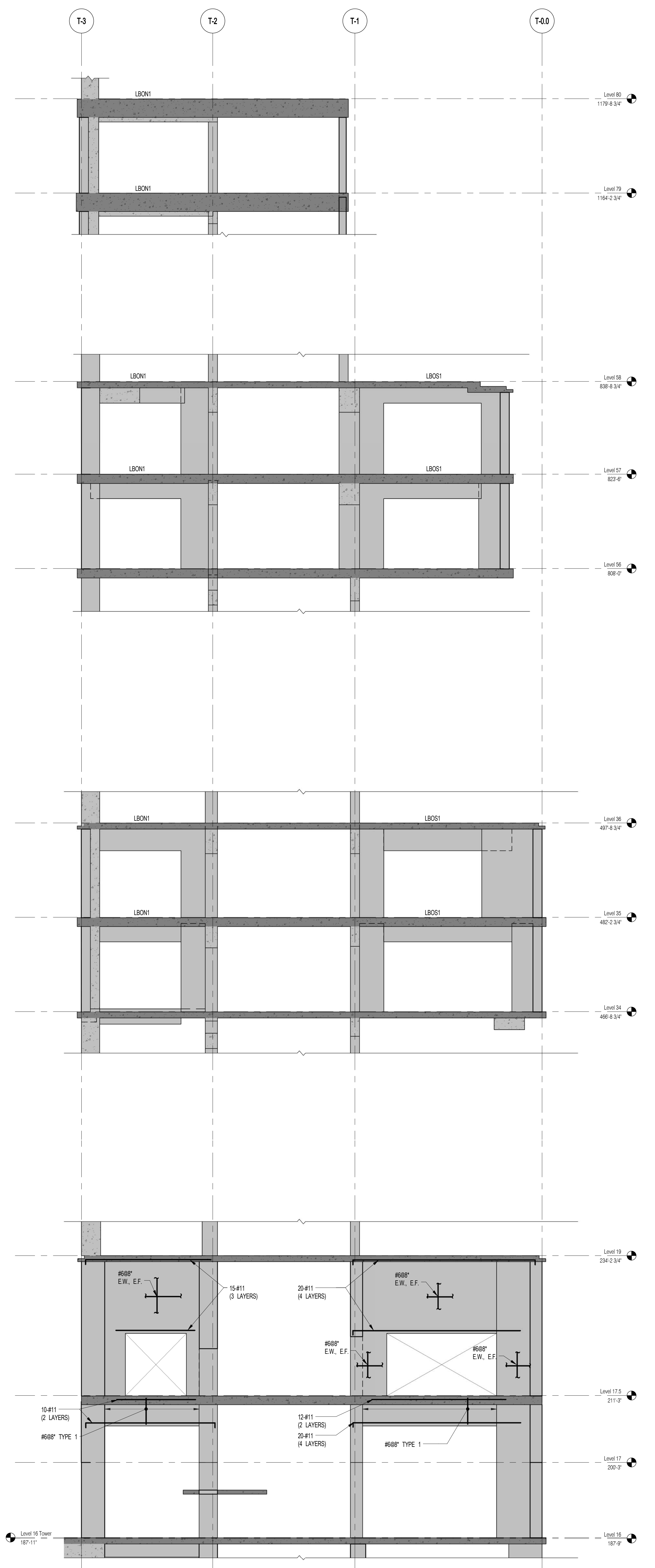
OUTRIGGER WALLS ELEVATIONS

SEAL & SIGNATURE	DATE	3/27/15
PROJECT NO.	1310140	
DRAWN BY	CADD	
CHECKED BY	CL	
DOB NO.	0915	
DRAWING NUMBER	S-925.00	

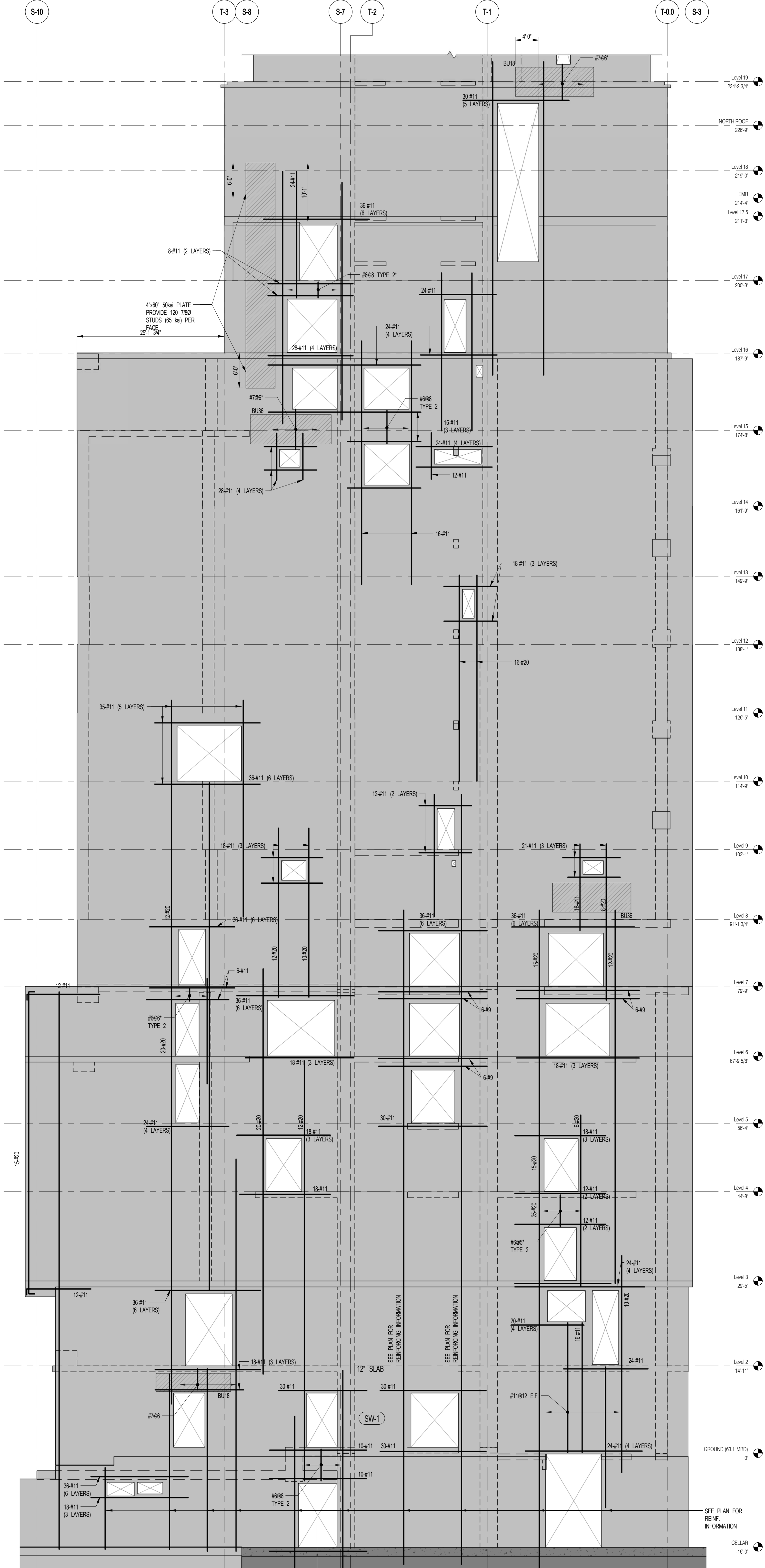


1 OUTRIGGER EAST WALL ELEVATION
SCALE: 1/8" = 1'-0"

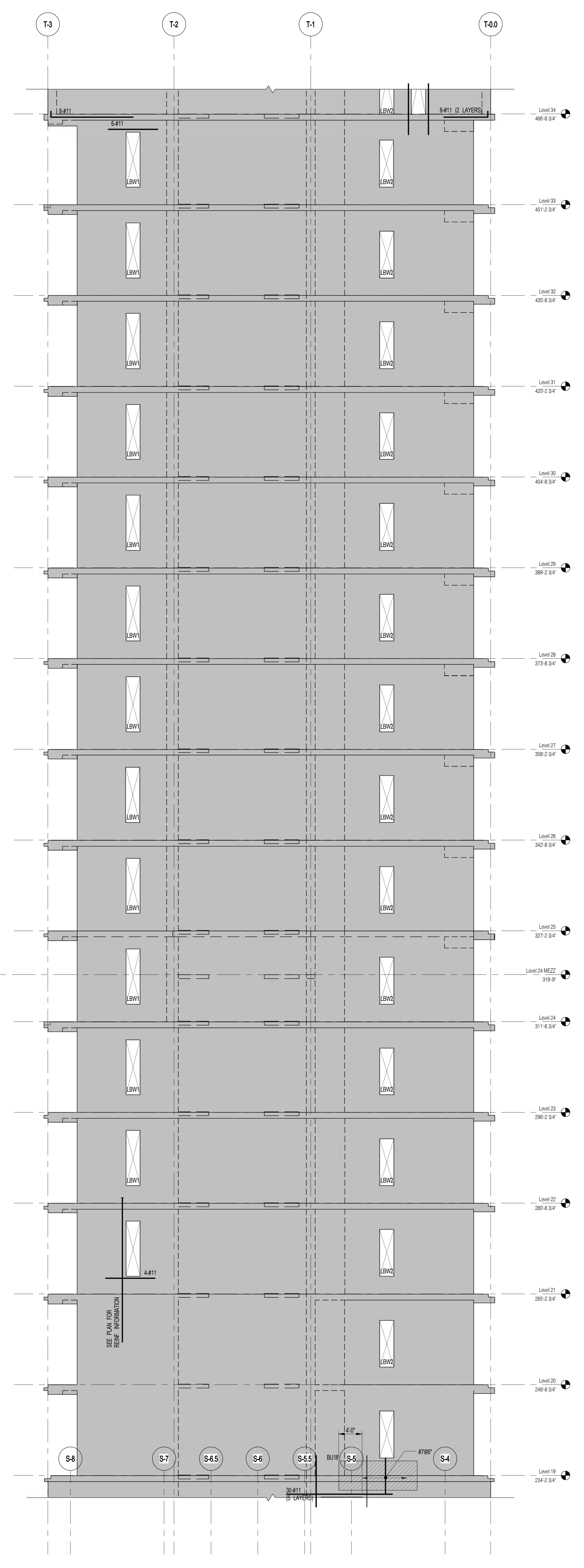
NOTES:
1. ALL REINFORCEMENT SHOWN IN ELEVATION IS IN ADDITION TO REINFORCEMENT SHOWN ON S-940 SERIES DRAWINGS.
2. DISCONTINUES REINFORCEMENT TO REPLACE REINFORCEMENT SHOWN ON S-940 SERIES DRAWINGS.
3. FOR TYPICAL DETAILS SEE S-949.



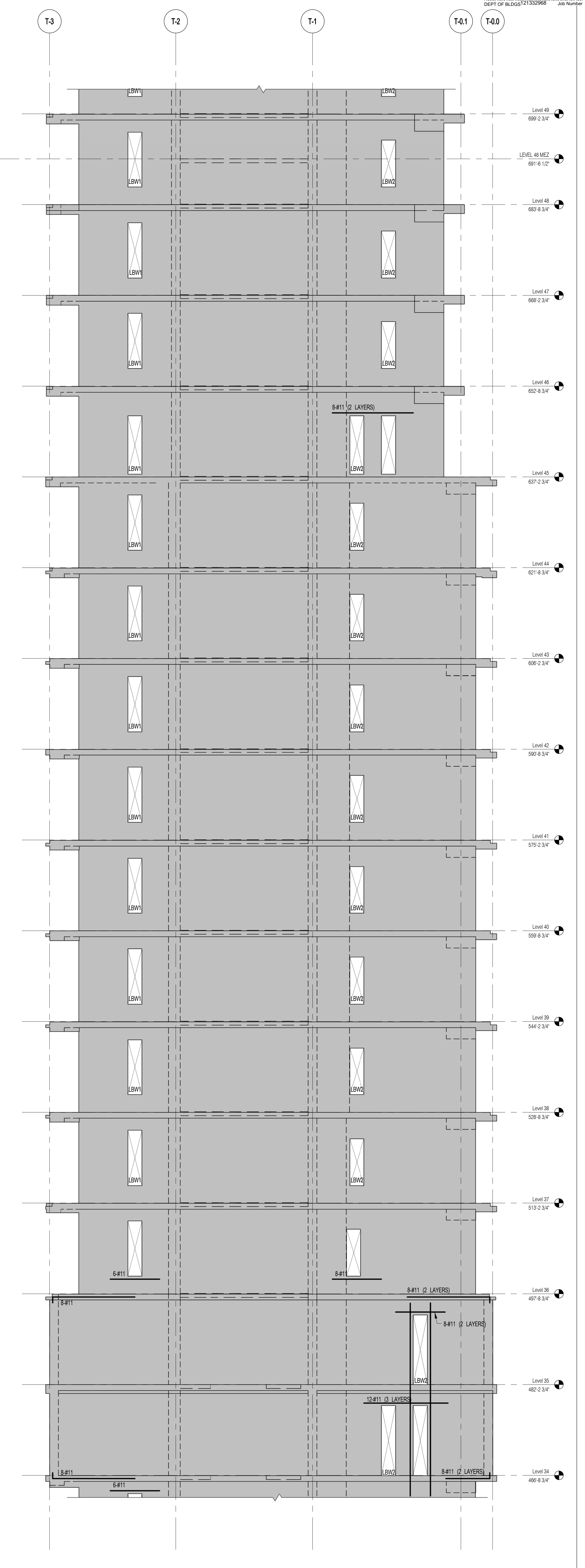
2 OUTRIGGER WEST WALL ELEVATION
SCALE: 1/8" = 1'-0"



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



2 WEST SHEARWALL EL. ALONG GL T-A
SCALE: 1/8" = 1'-0"



3 WEST SHEARWALL EL. ALONG GL T-A
SCALE: 1/8" = 1'-0"

NOTES:
1. ALL REINFORCEMENT SHOWN IN ELEVATION IS IN ADDITION TO REINFORCEMENT SHOWN ON S-90 SERIES DRAWINGS.
2. * DESIGNATES REINFORCEMENT TO REPLACE REINFORCEMENT SHOWN ON S-90 SERIES DRAWINGS.
3. FOR TYPICAL DETAILS SEE S-90

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TEL: 212.693.2000

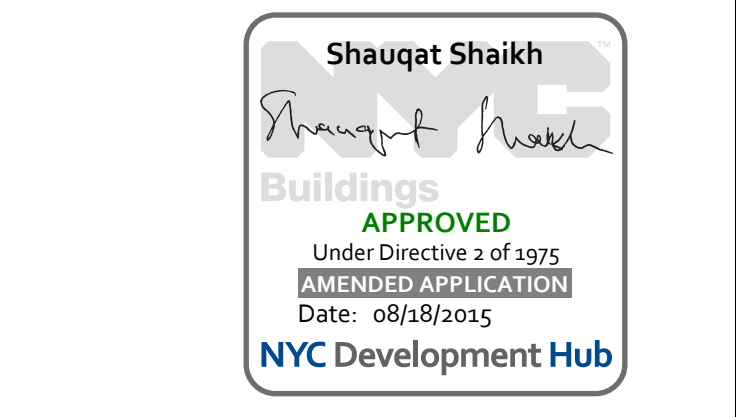


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MEP ENGINEER	JARVIS, BALM & ROLLES	80 WEST STREET, 10TH FLOOR NEW YORK, NY 10006 TEL: 212.693.2000
CIVIL ENGINEER	AKRF ENGINEERING, P.C.	400 PARK AVE SOUTH, 7TH FLOOR NEW YORK, NY 10014 TEL: 212.693.2000
ACOUSTICS	LONGMAN LINDSEY	41 WEST 58TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212.693.2000
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RESTORATION	JAN HIRSHKOPFF & ASSOCIATES	100 WEST 57TH STREET, 10TH FLOOR NEW YORK, NY 10019 TEL: 212.693.2000
GEO TECH	EMPC	100 WEST 57TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 212.693.2000
LIGHTING	LOEBERBACHER INTERNATIONAL	100 WEST 57TH STREET, 7TH FLOOR NEW YORK, NY 10019 TEL: 212.693.2000

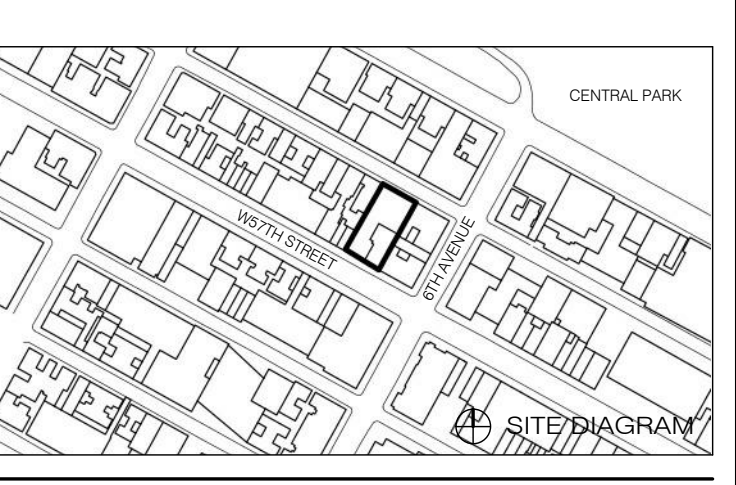


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NEW YORK, NY 10003
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111 WEST 57TH STREET



1	3/27/15	DOB PAA
	5/1/14	DOB FILING SET
NO.	DATE	REVISION

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DRAWING TITLE
WEST SHEARWALL ELEVATIONS 1

DESIGNER'S SIGNATURE	DATE	5/1/14
PROJECT NO.	1310140	
DRAWN BY	CADD	
CHECKED BY	CL	
DOB NO.		
DRAWING NUMBER		



S-930.01

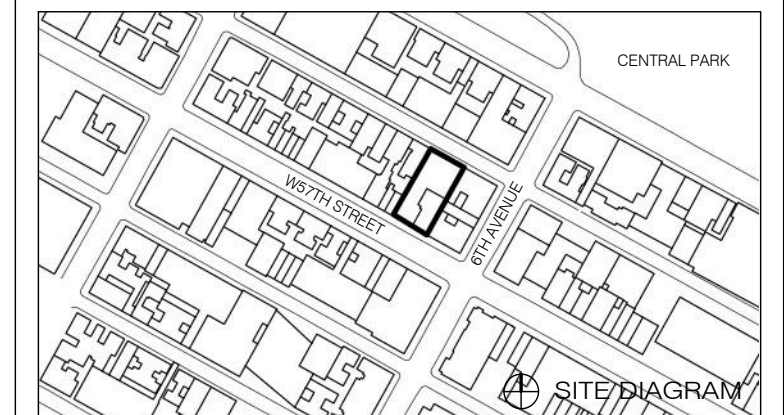
ARCHITECT SNIP ARCHITECTS, P.C. 230 BROADWAY, 11TH FLOOR NEW YORK, NY 10038 TEL: 212.680.0000	STRUCTURAL ENGINEER WEP GANTOR BENJUK 220 WEST 45TH STREET NEW YORK, NY 10017 TEL: 212.647.0888	MEP ENGINEER JARDS, BALM & ROLLES 80 FINE STREET, 10TH FLOOR NEW YORK, NY 10008 TEL: 212.220.0000	CIVIL ENGINEER AKRF ENGINEERING, P.C. 400 PARK AVE SOUTH, 7TH FLOOR NEW YORK, NY 10014 TEL: 800.388.0028	ACOUSTICS LONGMAN LINDSEY 41 WEST 58TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 817.289.2800	INTERIORS STUDIO SCHAFF 360 PARK AVENUE, 17TH FLOOR NEW YORK, NY 10022 TEL: 212.431.1000	FAÇADE BURO HAPPOLD 100 BROADWAY NEW YORK, NY 10005 TEL: 212.264.2025	VERTICAL TRANSPORTATION VAN DEUSEN & ASSOCIATES 170 WEST STREET, SUITE 604 UNIONDALE, NY 11553 TEL: 516.484.4228	RESTORATION JAN HIRSH POKORNY ASSOCIATES 30 WEST 37TH STREET, FLOOR 10A NEW YORK, NY 10018 TEL: 212.751.6482	GEO TECH NIPCE 225 WEST 58TH STREET, 6TH FLOOR NEW YORK, NY 10019 TEL: 817.289.2800	LIGHTING LOEBERFATHER INTERNATIONAL 100 PARK AVENUE, 17TH FLOOR NEW YORK, NY 10022 TEL: 212.264.4482
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111 WEST 57TH STREET



1	3/27/15	DOB PAA
	5/1/14	DOB FILING SET
NO.	DATE	REVISION

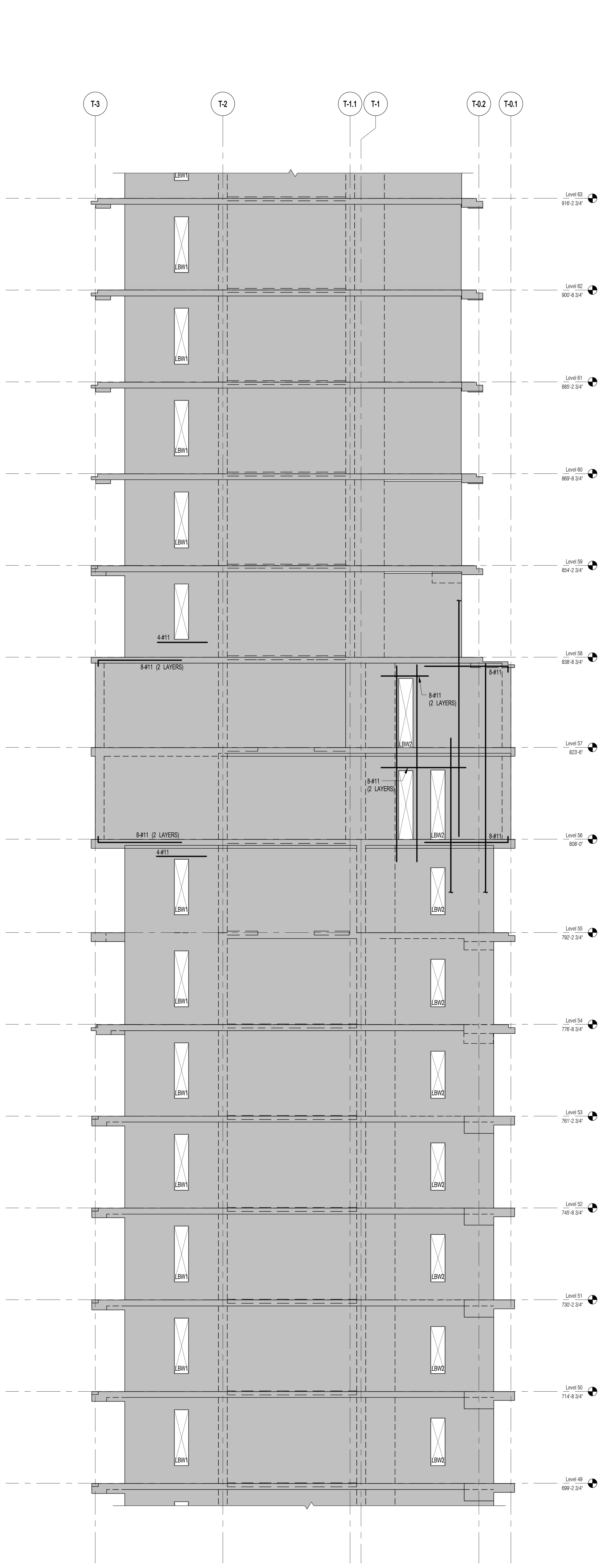
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DRAWING TITLE
WEST SHEARWALL ELEVATIONS 2

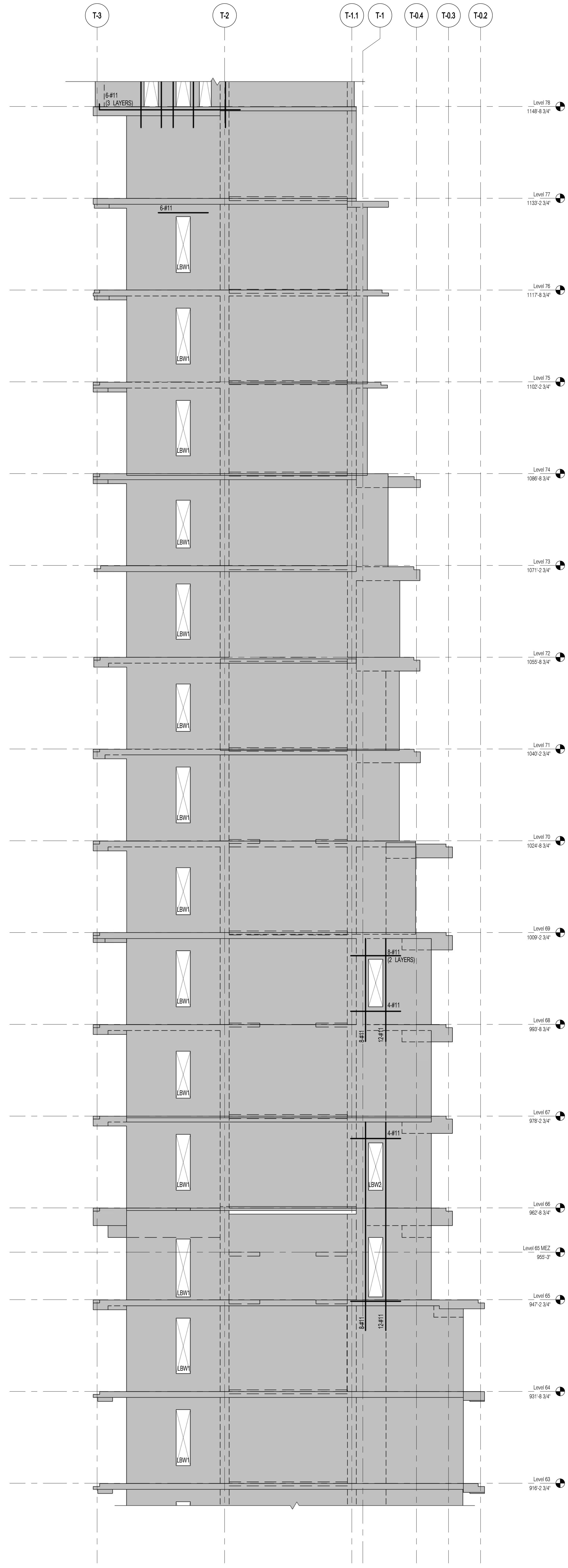
DATE	5/1/14
PROJECT NO.	13151140
DRAWN BY	CADD
CHECKED BY	CL
DOB NO.	
DRAWING NUMBER	



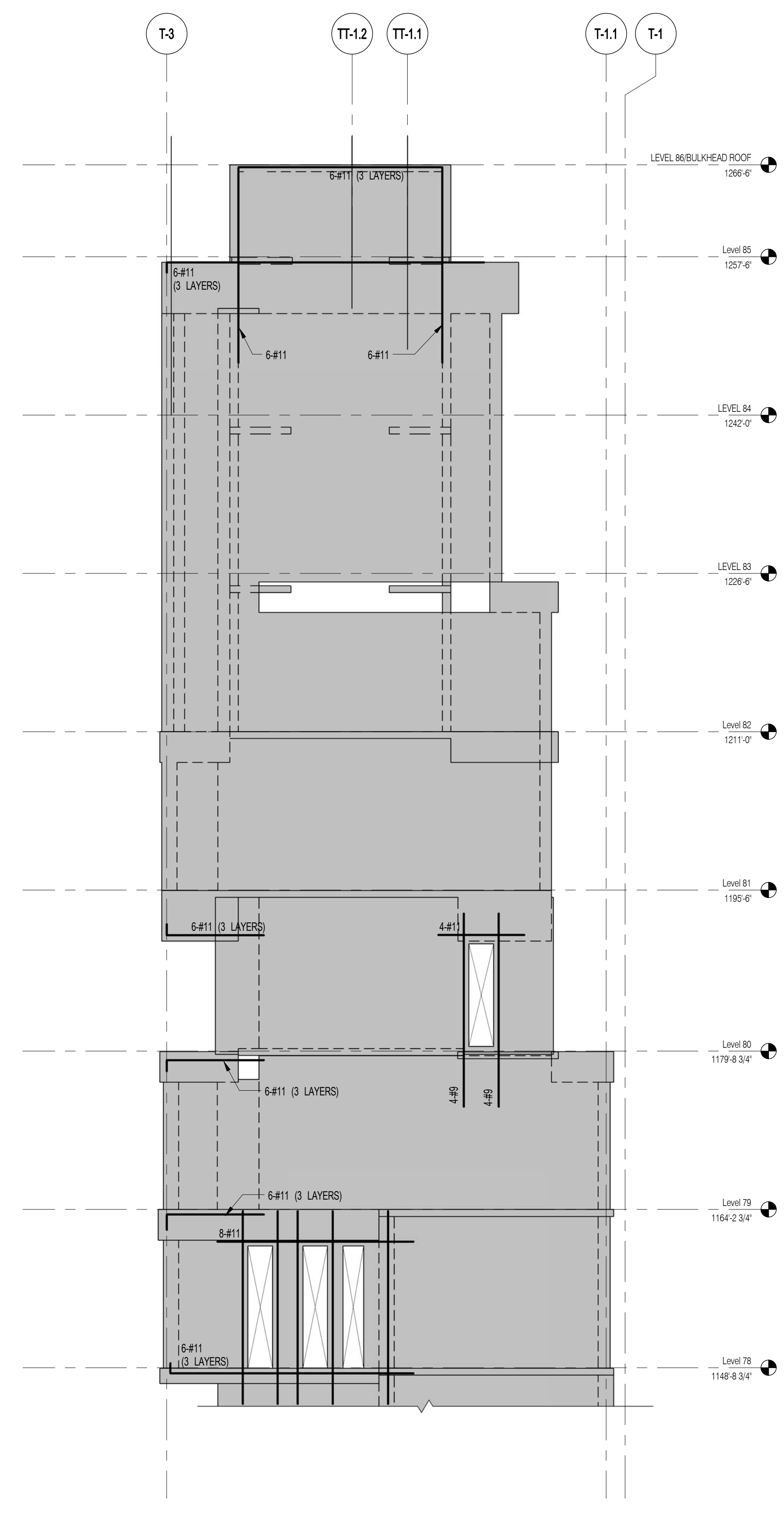
S-931.01



1 WEST SHEARWALL EL. ALONG GL T-A
S-931 SCALE: 1/8" = 1'-0"

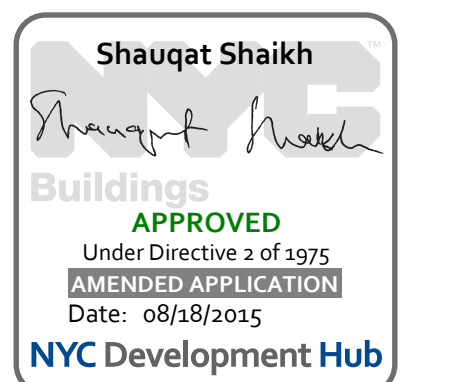


2 WEST SHEARWALL EL. ALONG GL T-A
S-931 SCALE: 1/8" = 1'-0"

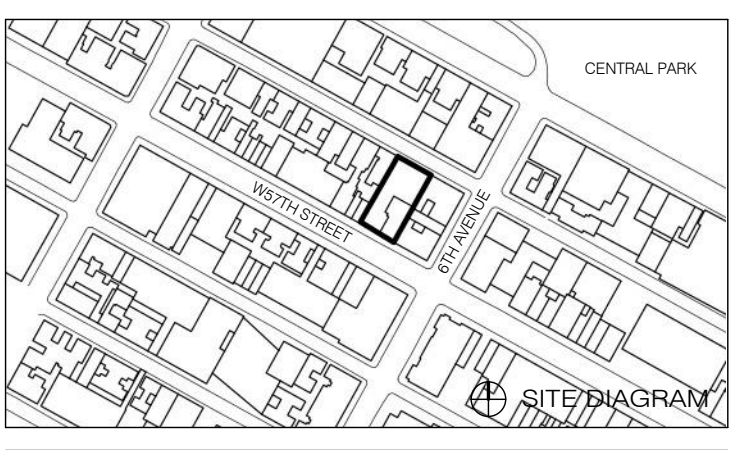


3 WEST SHEARWALL EL. ALONG GL T-A
S-931 SCALE: 1/8" = 1'-0"

NOTES
1. ALL REINFORCEMENT SHOWN IN ELEVATION IS IN ADDITION TO REINFORCEMENT SHOWN ON S-940 SERIES DRAWINGS.
2. * DESIGNATES REINFORCEMENT TO REPLACE REINFORCEMENT SHOWN ON S-940 SERIES DRAWINGS.
3. FOR TYPICAL DETAILS SEE S-949



111 WEST 57TH STREET
111 WEST 57TH STREET



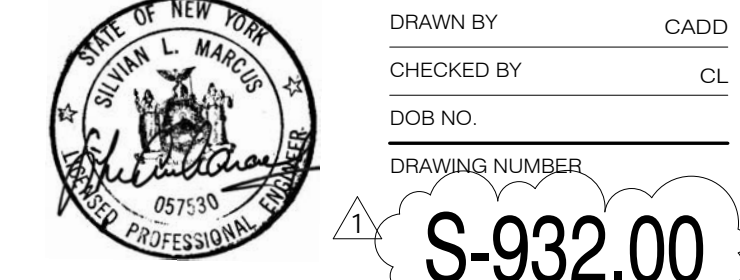
NO.	DATE	REVISION
1	3/27/15	DOB PAA

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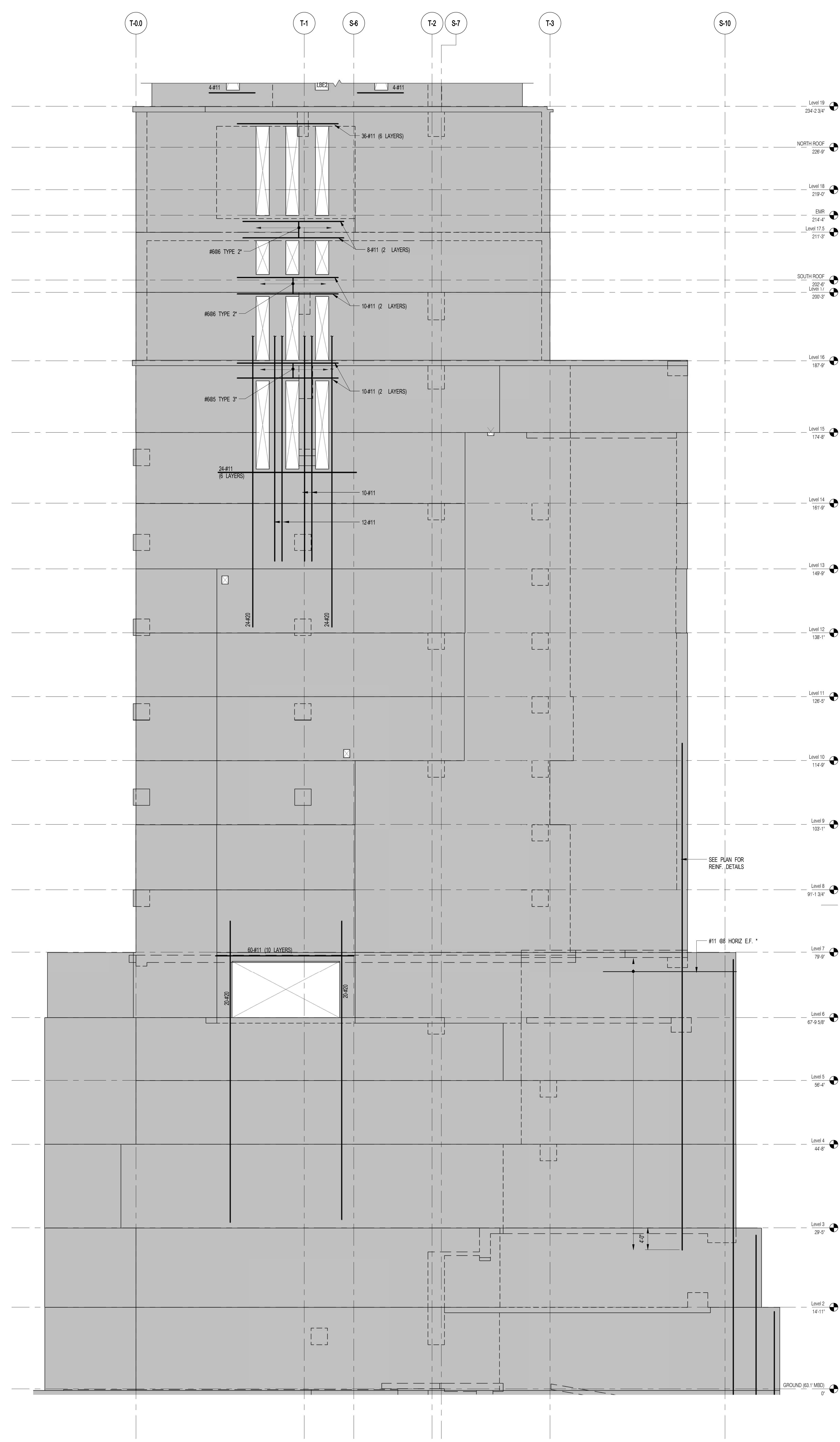
● NOT FOR CONSTRUCTION

EAST SHEARWALL ELEVATIONS
3

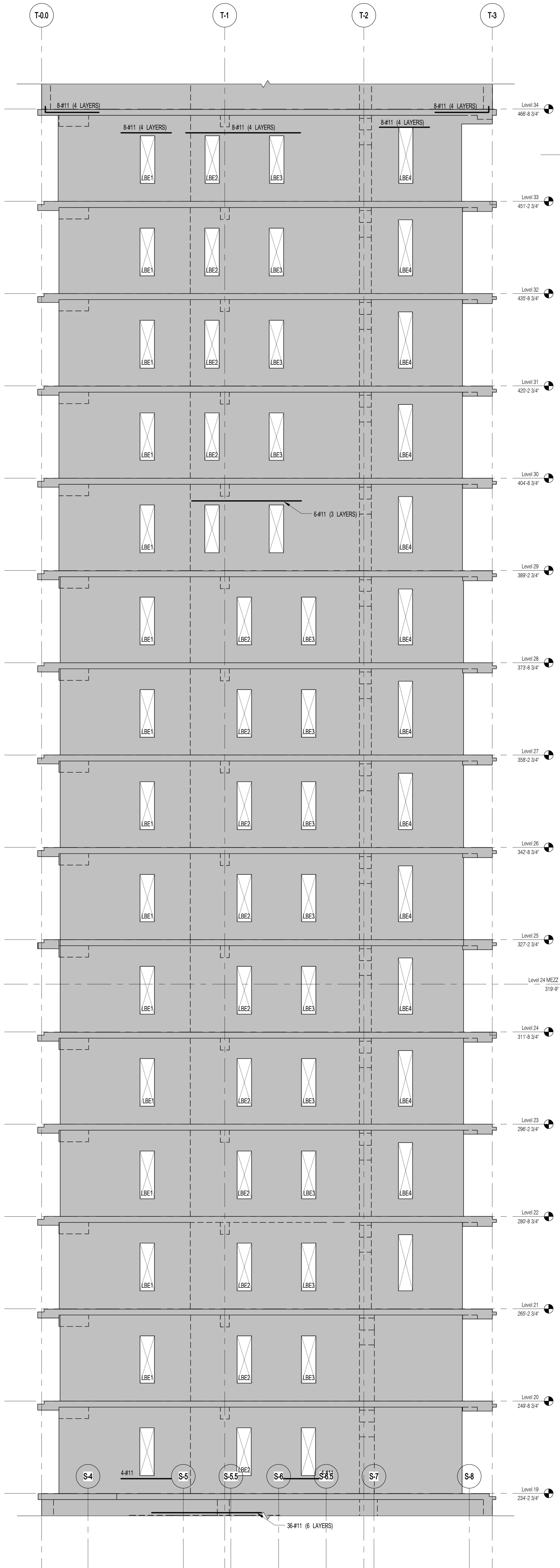
SEAL & SIGNATURE	DATE
PROJECT NO. 1310140	3/27/15
DRAWN BY	CADD
CHECKED BY	CL
DOB NO.	
DRAWING NUMBER	



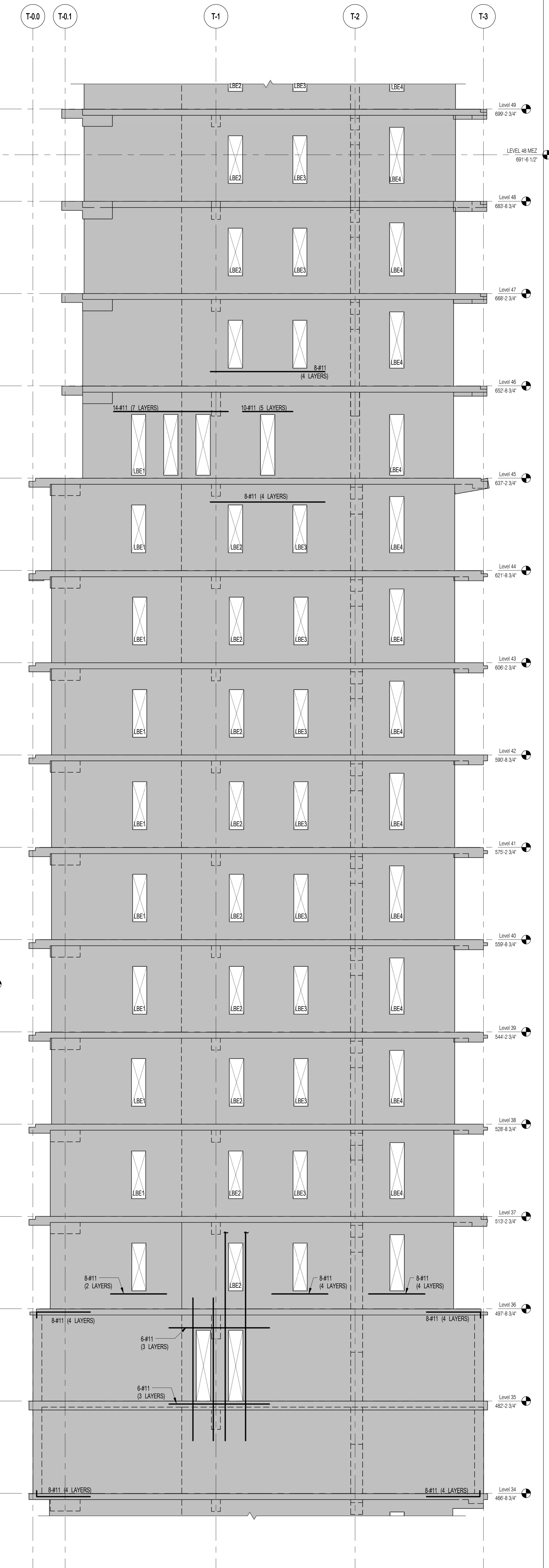
S-932.00



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



2 EAST SHEARWALL EL. ALONG GL T-D
SCALE: 1/8" = 1'-0"



3 EAST SHEARWALL EL. ALONG GL T-D
SCALE: 1/8" = 1'-0"

NOTES:
1. ALL REINFORCEMENT SHOWN IN ELEVATION IS IN ADDITION TO REINFORCEMENT SHOWN ON S-90 SERIES DRAWINGS.
2. DESIGNATED REINFORCEMENT TO REPLACE REINFORCEMENT SHOWN ON S-90 SERIES DRAWINGS.
3. FOR TYPICAL DETAILS SEE S-98.



111 WEST 57TH STREET
111 WEST 57TH STREET

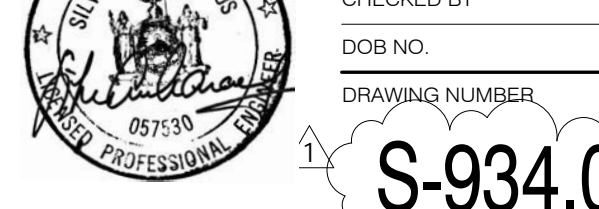


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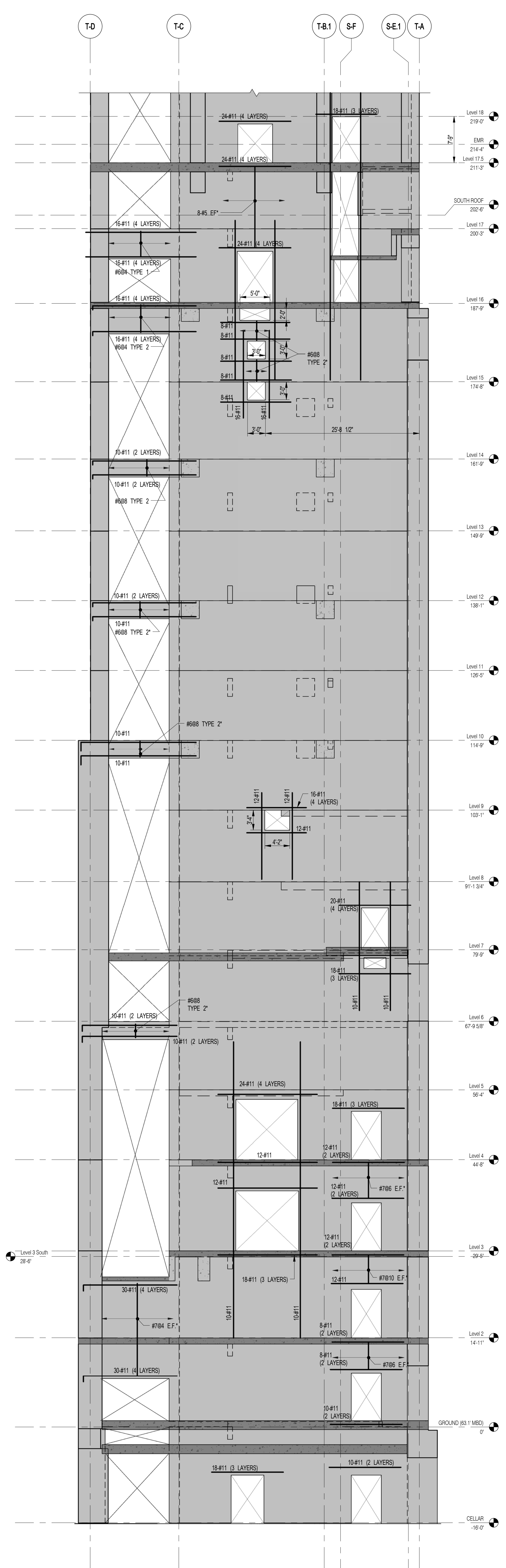
NOT FOR CONSTRUCTION

NORTH SHEARWALL ELEVATIONS 5

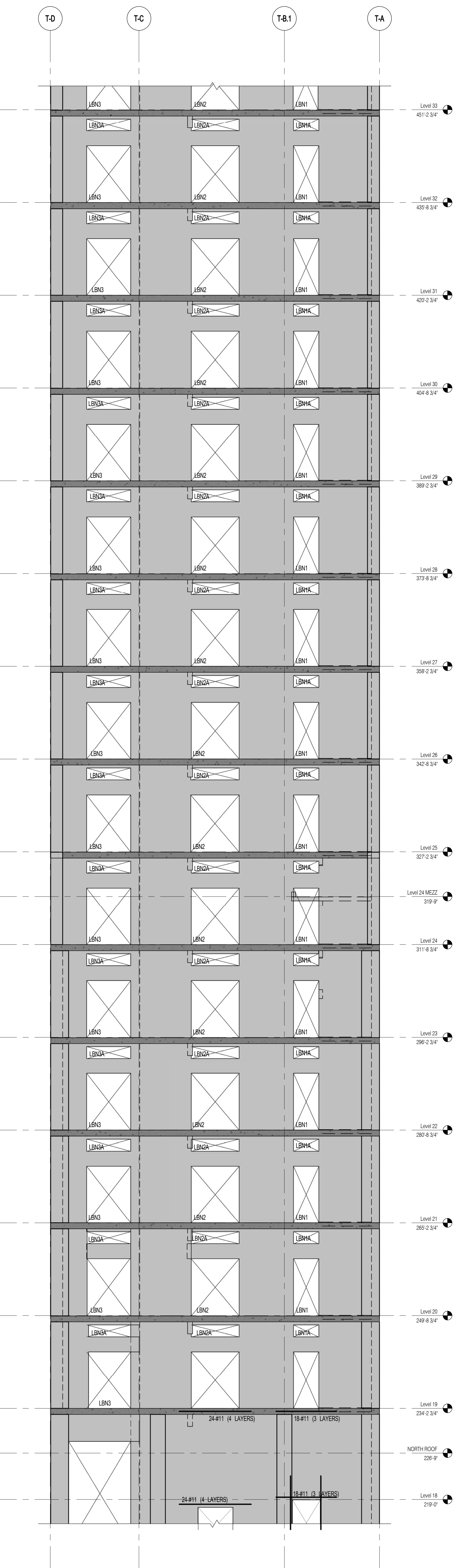
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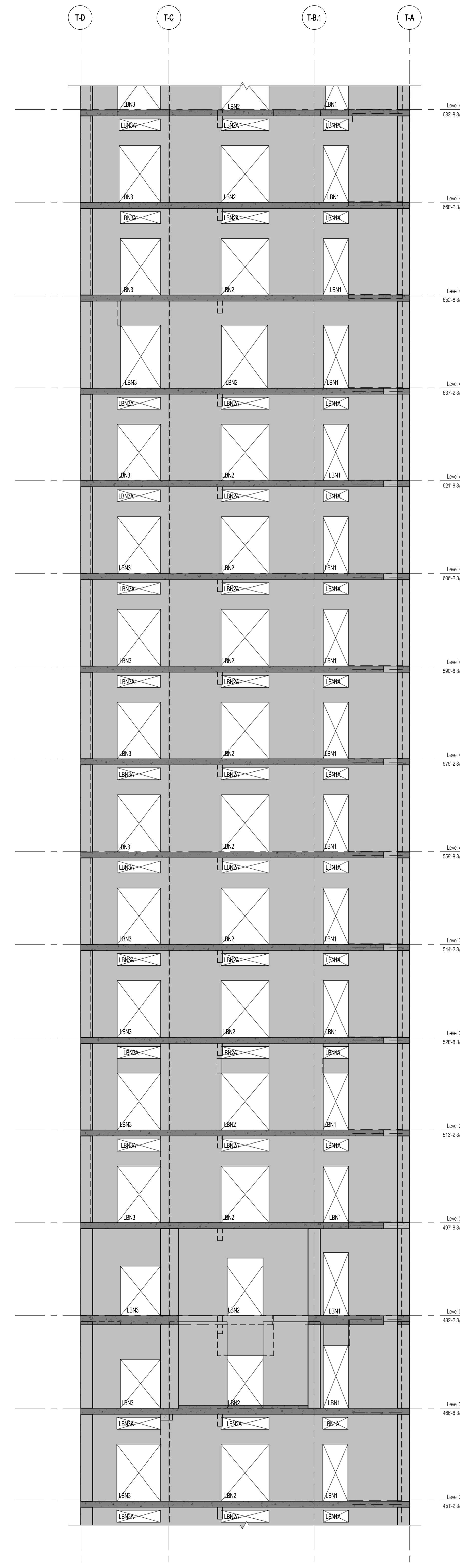
S-934.00



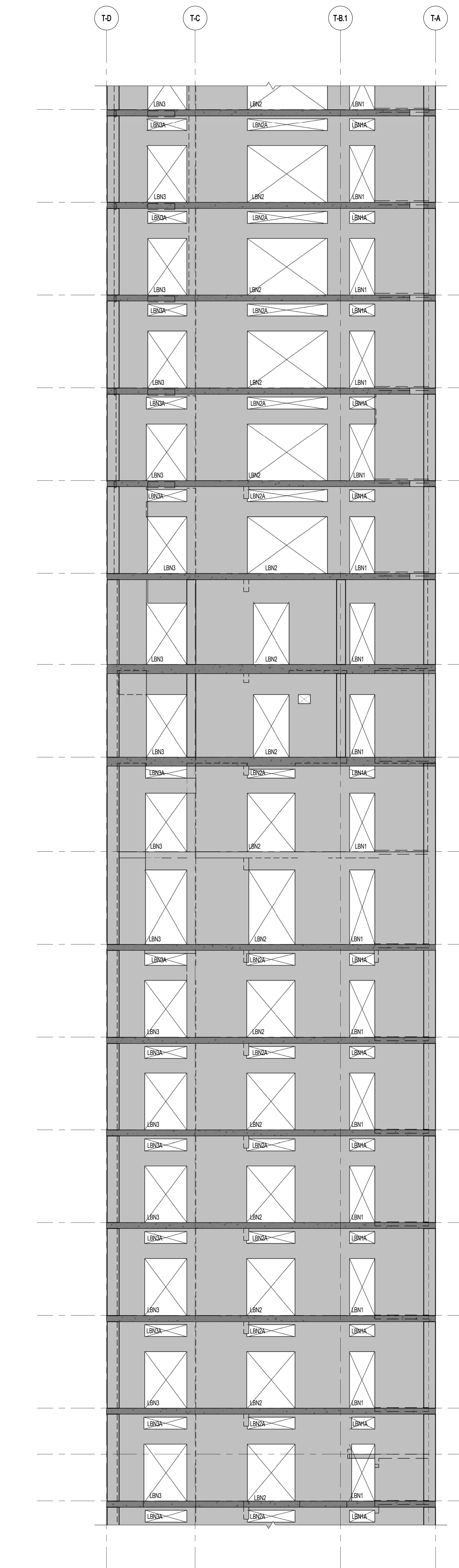
1 NORTH SHEARWALL EL. ALONG GL S-7
SCALE: 1/8" = 1'-0"



2 NORTH SHEARWALL EL. ALONG GL T-2
SCALE: 1/8" = 1'-0"

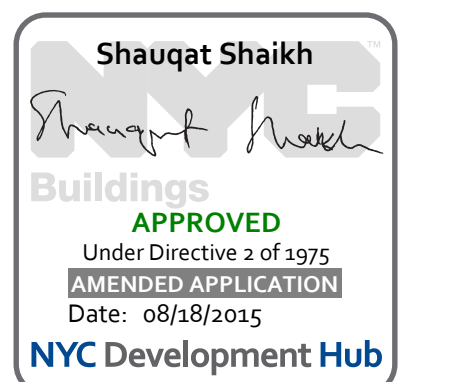


3 NORTH SHEARWALL EL. ALONG GL T-2
SCALE: 1/8" = 1'-0"



4 NORTH SHEARWALL EL. ALONG GL T-2
SCALE: 1/8" = 1'-0"

NOTES:
1. ALL REINFORCEMENT SHOWN IN ELEVATION IS IN ADDITION TO REINFORCEMENT SHOWN ON S-940 SERIES DRAWINGS.
2. * DESIGNATES REINFORCEMENT TO REPLACE REINFORCEMENT SHOWN ON S-940 SERIES DRAWINGS.
3. FOR TYPICAL DETAILS SEE S-940.



111 WEST 57TH STREET
111 WEST 57TH STREET



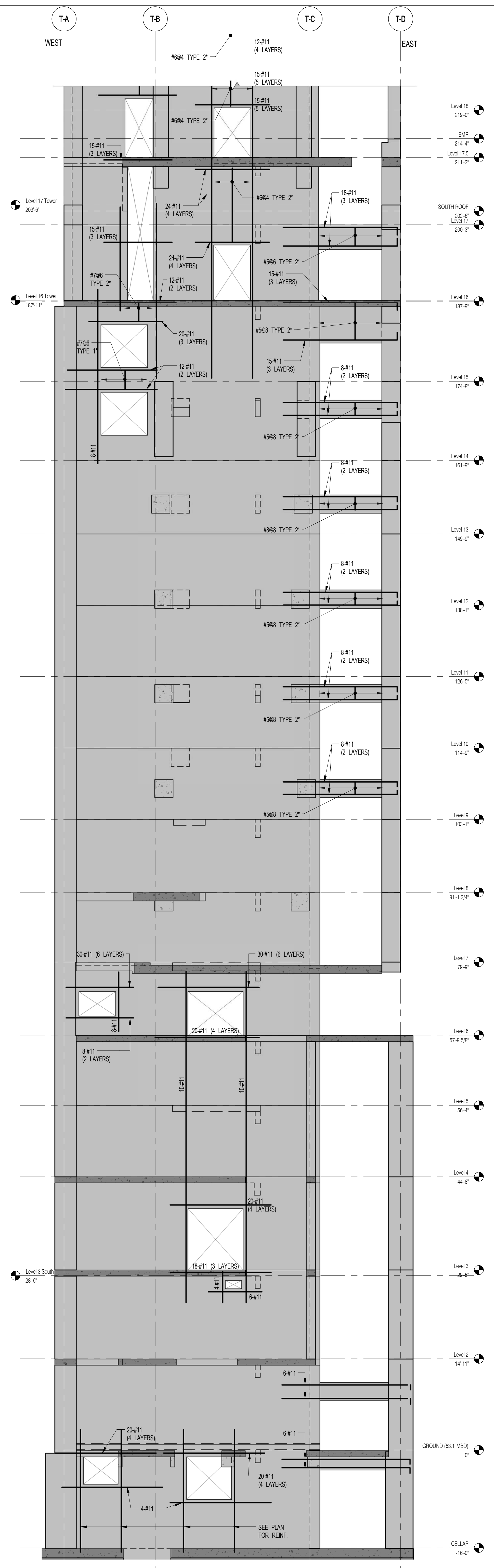
NO.	DATE	REVISION
1	3/27/15	DCB P&A

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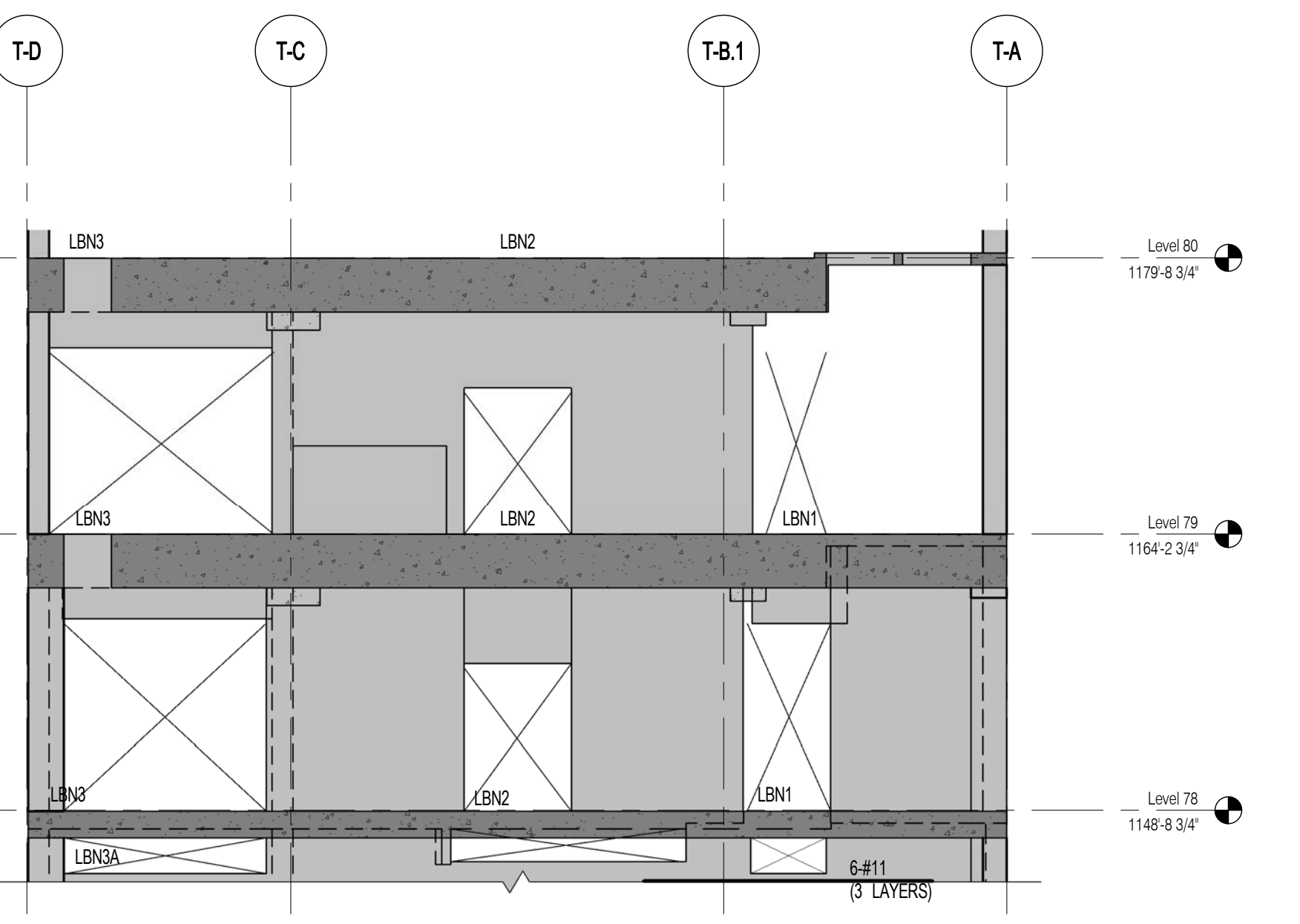
● NOT FOR CONSTRUCTION

SOUTH SHEARWALL ELEVATIONS 6

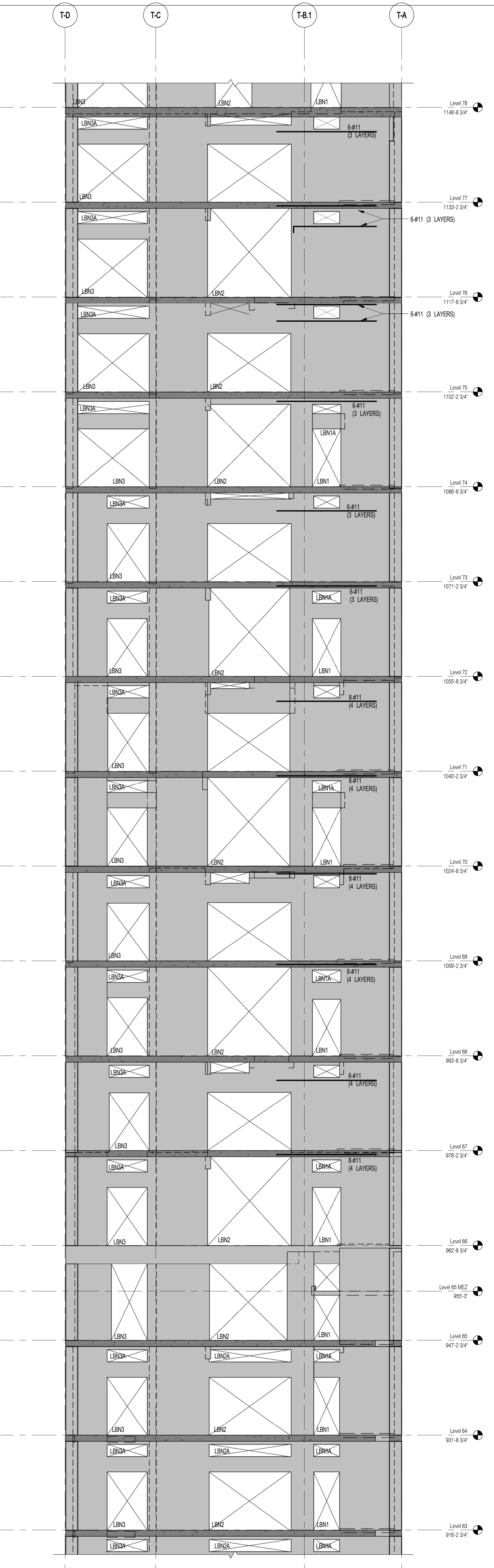
SEAL & SIGNATURE	DATE	3/27/15
PROJECT NO.	1310140	
DRAWN BY	CADD	
CHECKED BY	CL	
DCB NO.	09157	
DRAWING NUMBER	S-935.00	



3 SOUTH SHEARWALL EL. ALONG GL S-5.5
S-935 SCALE: 1/8" = 1'-0"



2 NORTH SHEARWALL EL. ALONG GL T-2
S-935 SCALE: 1/8" = 1'-0"



1 NORTH SHEARWALL EL. ALONG GL T-2
S-935 SCALE: 1/8" = 1'-0"

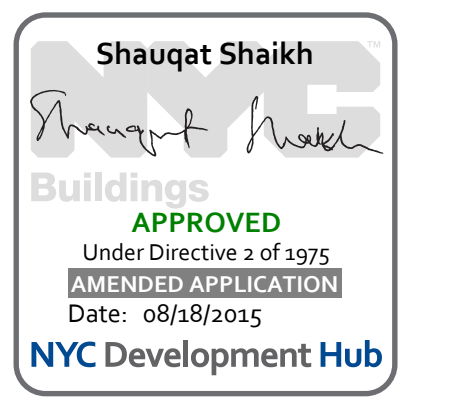
NOTES
1. ALL REINFORCEMENT SHOWN IN ELEVATION IS IN ADDITION TO REINFORCEMENT SHOWN ON S940 SERIES DRAWINGS.
2. * DESIGNATES REINFORCEMENT TO REPLACE REINFORCEMENT SHOWN ON S940 SERIES DRAWINGS.
3. FOR TYPICAL DETAILS SEE S-940.

ARCHITECT	SHAP ARCHITECTS, P.C. 235 BROADWAY, 11TH FLOOR NEW YORK, NY 10005 TEL: 212 689 9336	FACADE	SHOUP ARCHITECTS, P.C. 235 BROADWAY, 11TH FLOOR NEW YORK, NY 10005 TEL: 212 689 9336
STRUCTURAL ENGINEER	YONG CHAN CHOI ENGINEER 235 EAST 47TH STREET NEW YORK, NY 10017 TEL: 212 687 2886	MEP ENGINEER	JORDIS, BAIAM & BOLLER 400 WEST 44TH STREET, 12TH FLOOR NEW YORK, NY 10018 TEL: 212 688 8828
CIVIL ENGINEER	AWR ENGINEERING, P.C. 400 WEST 44TH STREET, 12TH FLOOR NEW YORK, NY 10018 TEL: 212 688 8828	RESTORATION	JAN HRO POKORNY ASSOCIATES 400 WEST 44TH STREET, 12TH FLOOR NEW YORK, NY 10018 TEL: 212 724 4442
ACOUSTICIAN	LONGMAN LINDSEY 40 WEST 44TH STREET, 4TH FLOOR NEW YORK, NY 10018 TEL: 917 288 8888	INTERIORS	STUDIO SCARFIELD 300 WAREHOUSES STREET NEW YORK, NY 10014 TEL: 212 475 3300
		GEOTECH	MITCHELL
		LIGHTING	CONSERVATORIE INTERNATIONAL 105 WALKER STREET, 7TH FLOOR EAST NEW YORK, NY 10013 TEL: 212 255 4453



PROPERTY MARKETS GROUP
1047 11TH STREET, 2ND FLOOR
NEW YORK, NY 10019
TEL: 212 689 9336

CURRENT ISSUE



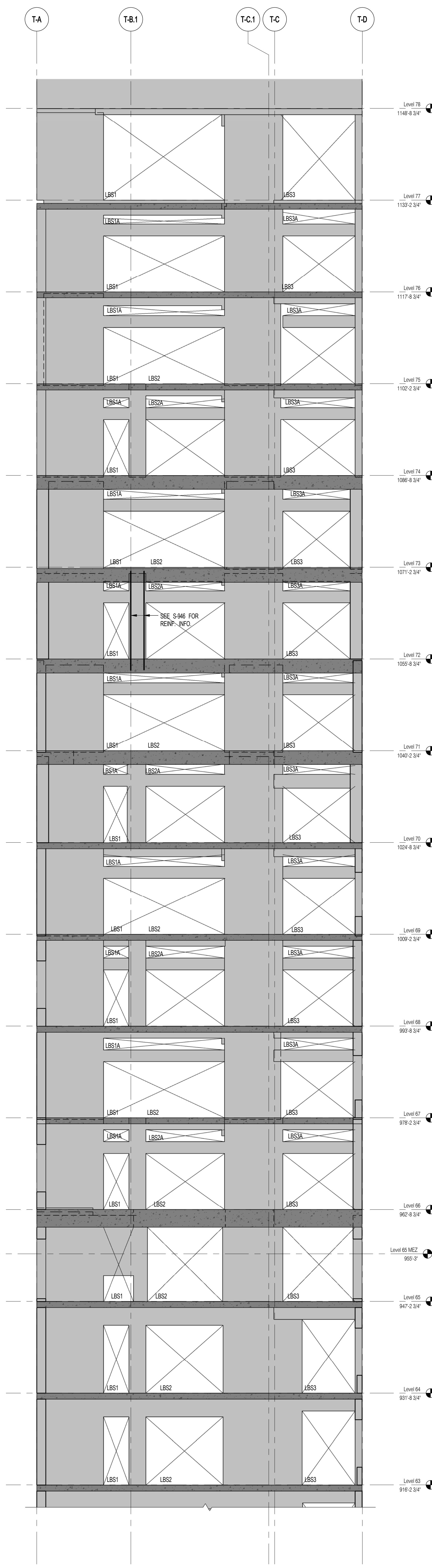
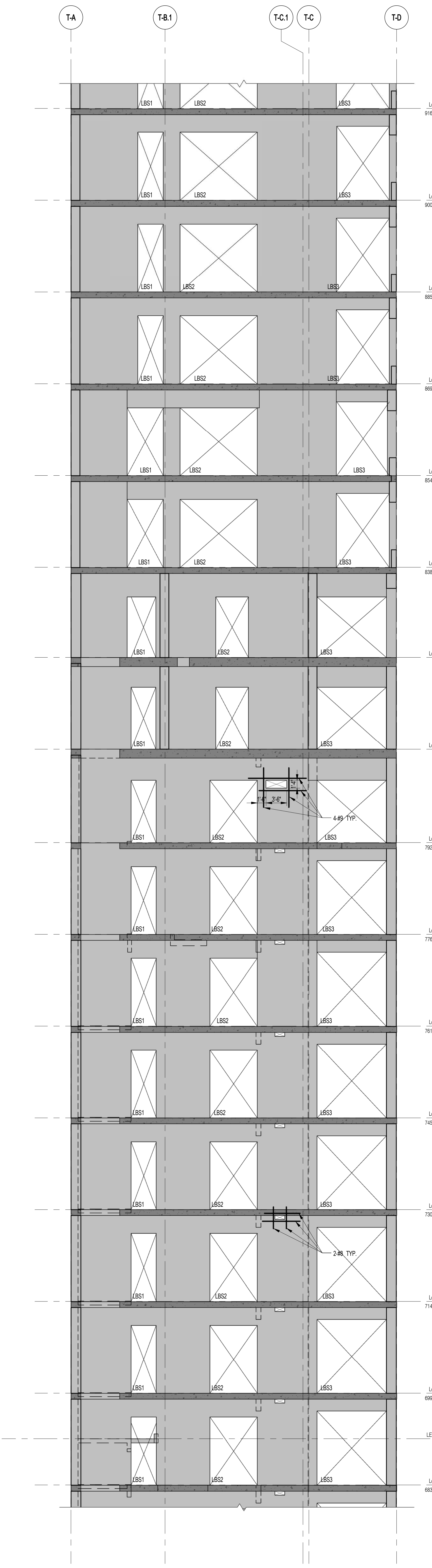
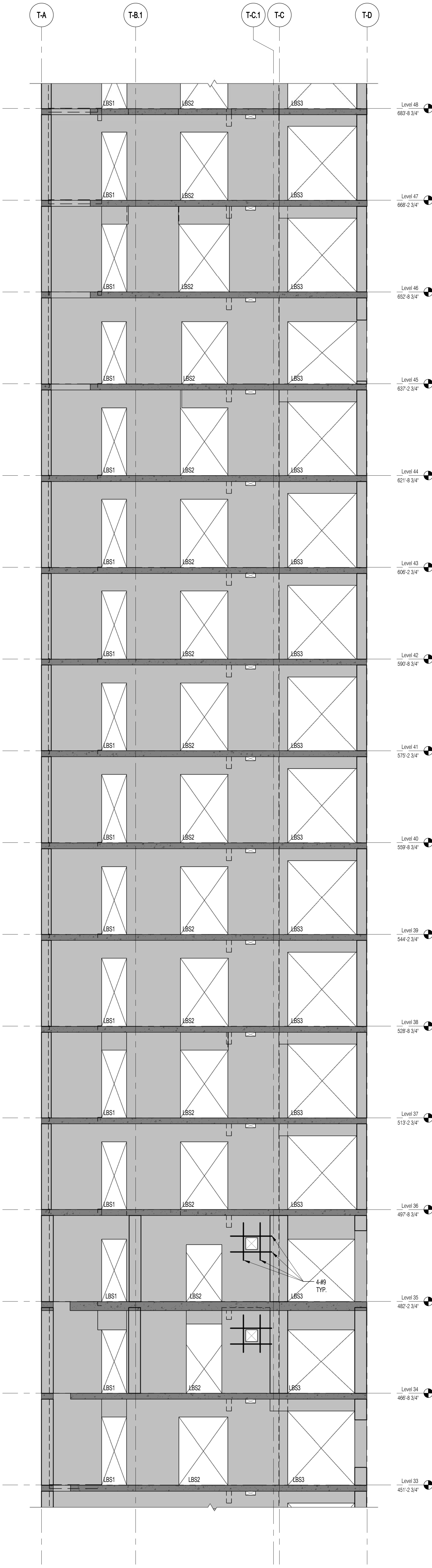
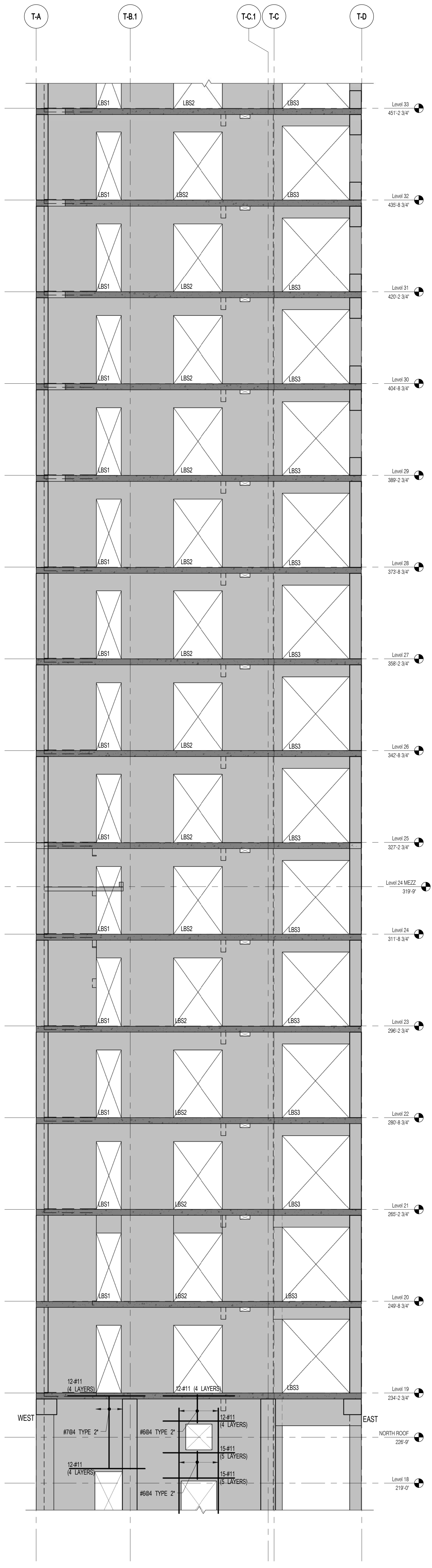
111 WEST 57TH STREET
111 WEST 57TH STREET



1	3/27/15	DOB PAA	
NO.	DATE	REVISION	

SOUTH SHEARWALL ELEVATIONS 7

SEAL & SIGNATURE	DATE	3/27/15
	PROJECT NO.	1310140
	DRAWN BY	CADD
	CHECKED BY	CL
	DOB NO.	
	DRAWING NUMBER	S-936.00



1 SOUTH SHEARWALL EL. ALONG GL T-1
S-936 SCALE: 1/8" = 1'-0"

2 SOUTH SHEARWALL EL. ALONG GL T-1
S-936 SCALE: 1/8" = 1'-0"

3 SOUTH SHEARWALL EL. ALONG GL T-1
S-936 SCALE: 1/8" = 1'-0"

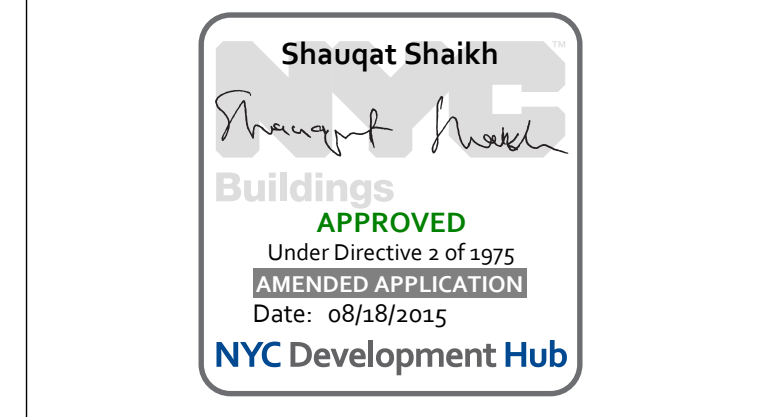
4 SOUTH SHEARWALL EL. ALONG GL T-1
S-936 SCALE: 1/8" = 1'-0"

NOTES:
 1. ALL REINFORCEMENT SHOWN IN ELEVATION IS IN ADDITION TO REINFORCEMENT SHOWN ON S&W SERIES DRAWINGS.
 2. * DESIGNATES REINFORCEMENT TO REPLACE REINFORCEMENT SHOWN ON S&W SERIES DRAWINGS.
 3. FOR TYPICAL DETAILS SEE S-940.

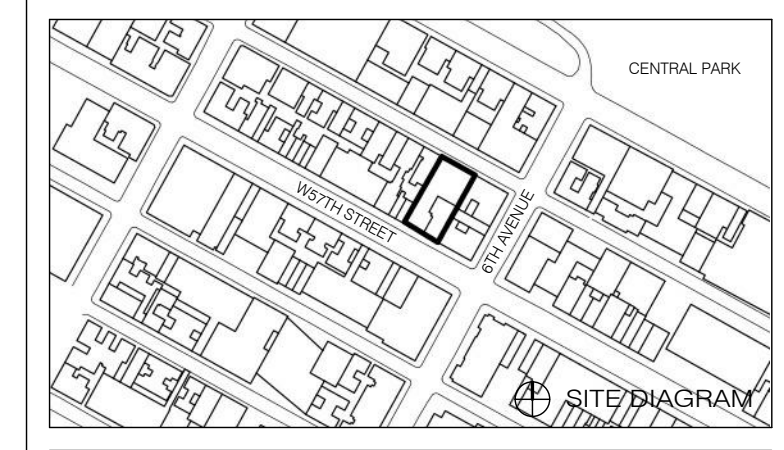
ARCHITECT	SHAP ARCHITECTS, P.C. 230 BROADWAY, 11TH FLOOR NEW YORK, NY 10005 NY 212 689 9300	FAÇADE	SHAP ARCHITECTS, P.C. 230 BROADWAY, 11TH FLOOR NEW YORK, NY 10005 NY 212 689 9300
STRUCTURAL ENGINEER	YUSEF GANTON BERKMAN 228 EAST 43RD STREET NEW YORK, NY 10017 NY 212 697 2886	MEP ENGINEER	JANIS BALK & BOLLER 80 WING STREET, 12TH FLOOR LAWRENCE, NJ 07044 NJ 908 989 9300
MEP ENGINEER	JANIS BALK & BOLLER 80 WING STREET, 12TH FLOOR LAWRENCE, NJ 07044 NJ 908 989 9300	VERTICAL TRANSPORTATION	VAN DEUSEN & ASSOCIATES 100 WEST STREET, SUITE 2014 LAWRENCE, NJ 07044 NJ 908 989 9300
CIVIL ENGINEER	ANIR ENGINEERING, P.C. 40 FIFTH AVE, 20TH FLOOR NEW YORK, NY 10018 NY 212 268 8828	RESTORATION	JAN HIRSH FOKORNY ASSOCIATES 80 WEST 43RD STREET, 11TH FLOOR, 10A NEW YORK, NY 10018 NY 212 268 8828
ACOUSTICIAN	LONGMAN LINDSEY 40 WEST 43RD STREET, 4TH FLOOR NEW YORK, NY 10018 NY 917 268 8800	GEOTECH	MTICE 208 WEST 43RD STREET, 4TH FLOOR NEW YORK, NY 10018 NY 917 268 8800
INTERIORS	STUDIO JENSEN 30 WALKER STREET NEW YORK, NY 10013 NY 212 475 1300	LIGHTING	CONSERVATORIE INTERNATIONAL 100 WALKER STREET, 7TH FLOOR EAST NEW YORK, NY 10013 NY 212 255 4463



PROPERTY MARKETS GROUP
100 WEST 43RD STREET, 10TH FLOOR
NEW YORK, NY 10018
NY 212 699 9900
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111 WEST 57TH STREET
111 WEST 57TH STREET



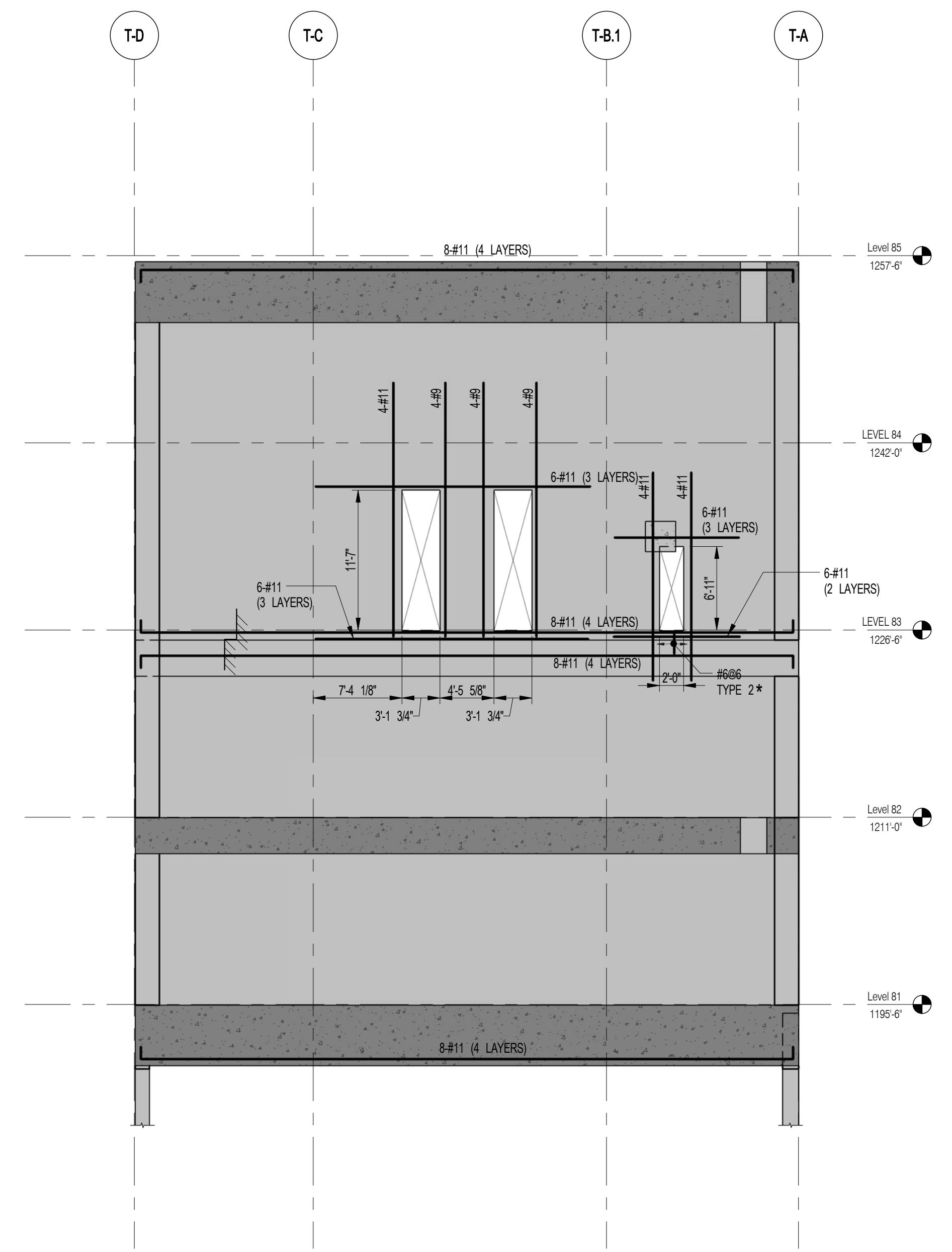
1	3/27/15	DOB PRA
NO.	DATE	REVISION

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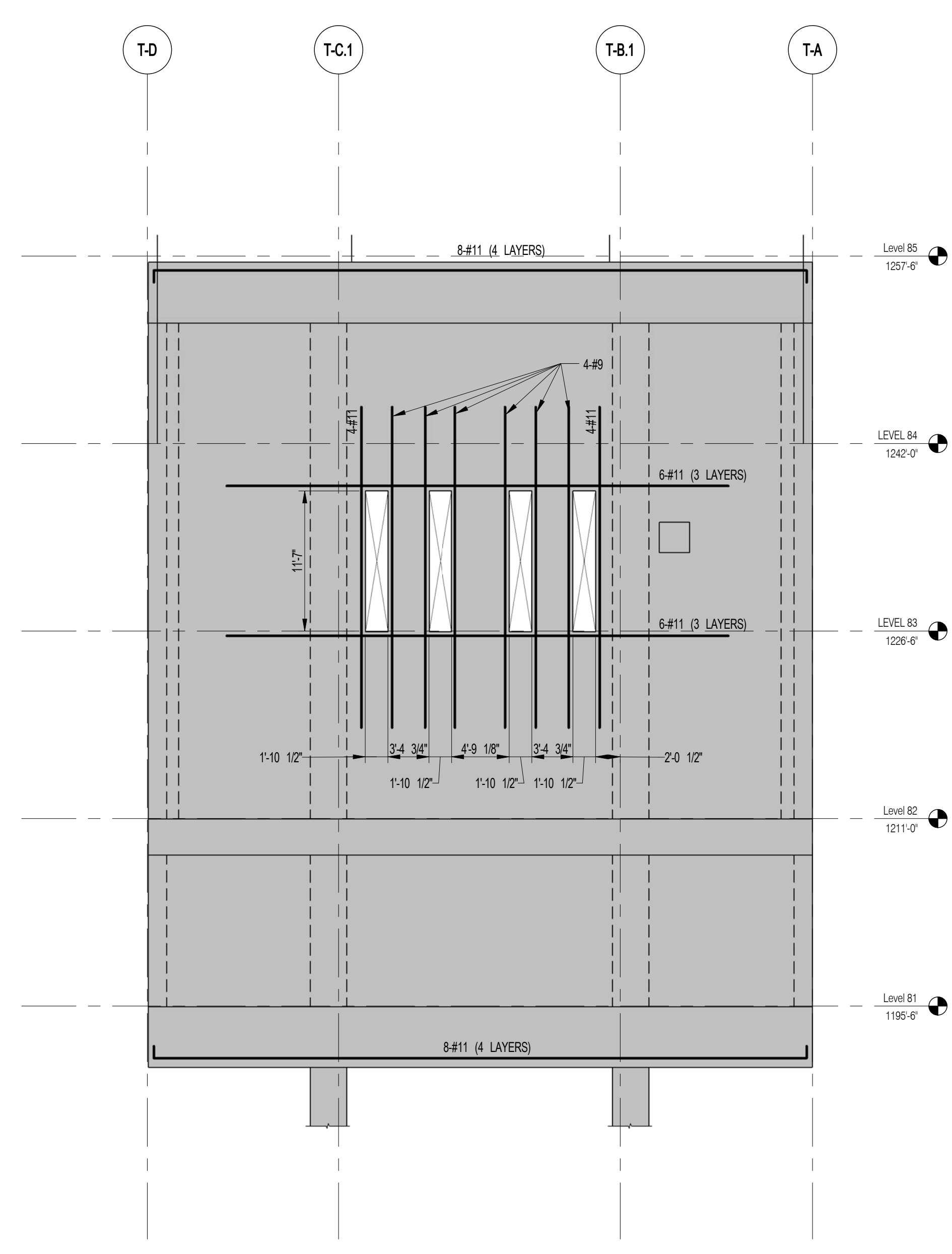
DRAWING TITLE

SHEARWALL ELEVATIONS 8

SEAL & SIGNATURE	DATE	3/27/15
PROJECT NO.	1310140	
DRAWN BY	CADD	
CHECKED BY	CL	
DOB NO.	0975	
DRAWING NUMBER	S-937.00	



1 SOUTH OUTRIGGER EL. ALONG GL T-1.1
SCALE: 1/8" = 1'-0"



2 NORTH OUTRIGGER EL. ALONG GL T-1.1
SCALE: 1/8" = 1'-0"

- NOTES**
- ALL REINFORCEMENT SHOWN IN ELEVATION IS IN ADDITION TO REINFORCEMENT SHOWN ON S-940 SERIES DRAWINGS.
 - * DESIGNATES REINFORCEMENT TO REPLACE REINFORCEMENT SHOWN ON S-940 SERIES DRAWINGS.
 - FOR TYPICAL DETAILS SEE S-940.

LINK BEAM SCHEDULE										
LINKBEAM LABEL	FLOOR	SIZE (IN.)	TOP REINF. (CONT.)	BOTT. REINF. (CONT.)	STIRRUP			LONGITUDINAL SKIN REINF.	REMARKS	EMBEDDED STEEL SECTION
					SIZE	TYPE	SPACING			
LBN1	79	18 X 60	6 # 11	####	# 6	1	6"O/C	#4@ 8@ E. F.	2 Layers	
	78	18 X 18	4 # 11	####	# 6	1	7"O/C			
	74	18 X 18	3 # 11	####	# 6	2	7"O/C			
	72	18 X 18	4 # 11	####	# 6	2	7"O/C			
	70	18 X 18	3 # 11	####	# 6	2	7"O/C			
	68	18 X 18	3 # 11	####	# 6	2	7"O/C			
	66	18 X 36	3 # 11	####	# 4	1	6"O/C			
	65	18 X 18	4 # 11	####	# 5	1	5"O/C			
	64	18 X 18	4 # 11	####	# 5	1	5"O/C			
	63	18 X 18	4 # 11	####	# 4	2	6"O/C			
	62 - 61	18 X 18	4 # 11	####	# 5	1	3"O/C			
	60	18 X 18	6 # 11	####	# 5	1	3"O/C			
	59	18 X 18	6 # 11	####	# 5	1	3"O/C		2 Layers	
	58	18 X 60	8 # 11	####	# 5	2	6"O/C	#4@ 8@ E. F.	2 Layers	
	57	18 X 60	8 # 11	####	# 5	2	4"O/C	#4@ 8@ E. F.	2 Layers	
	56	18 X 18	4 # 11	####	# 6	2	3"O/C			
	55	18 X 36	6 # 11	####	# 5	2	4"O/C			
	54	18 X 18	4 # 11	####	# 6	2	3"O/C			
	53 - 52	18 X 18	4 # 11	####	# 5	1	5"O/C			
	51 - 48	18 X 18	4 # 11	####	# 5	1	3"O/C			
	47	18 X 18	4 # 11	####	# 5	1	5"O/C			
	46	18 X 60	8 # 11	####	# 5	1	5"O/C	#4@ 8@ E. F.	2 Layers	
	45	24 X 18	6 # 11	####	# 6	2	7"O/C			
	44 - 40	24 X 18	6 # 11	####	# 5	1	4"O/C	#4@ 8@ E. F.		
	39	24 X 18	6 # 11	####	# 6	1	5"O/C			
	38 - 37	24 X 18	6 # 11	####	# 5	1	4"O/C			
	36	24 X 60	12 # 11	####	# 6	2	4"O/C		2 Layers	
	35	24 X 60	4 # 11	####	# 4	1	6"O/C			BUILT UP SECTION BU28
	34	24 X 18	6 # 11	####	# 4	1	5"O/C			
	33	24 X 18	6 # 11	####	# 5	1	4"O/C			
	32 - 31	24 X 18	8 # 10	####	# 6	1	3"O/C			
	30	24 X 18	8 # 10	####	# 6	1	3"O/C	#5@ 8@ E. F.		
	29	24 X 18	8 # 10	####	# 6	1	3"O/C			
	28	24 X 18	8 # 10	####	# 6	2	3"O/C			
	27 - 23	24 X 18	8 # 10	####	# 6	1	3"O/C			
	22	24 X 18	8 # 10	####	# 6	2	3"O/C			
	21	30 X 18	8 # 10	####	# 6	1	3"O/C			
	20	30 X 18	8 # 10	####	# 5	1	4"O/C			
LBN1A	75	18 X 30	4 # 11	####	# 6	2	10" O/C			
	73	18 X 30	3 # 11	####	# 6	1	10" O/C		2 Layers	
	71	18 X 30	3 # 11	####	# 6	1	10" O/C		2 Layers	
	69	18 X 30	3 # 11	####	# 6	1	10" O/C		2 Layers	
	67	18 X 30	6 # 11	####	# 6	1	10" O/C		2 Layers	
	65 - 64	18 X 30	6 # 11	####	# 6	1	5"O/C		2 Layers	
	63	18 X 30	6 # 11	####	# 6	1	5"O/C		2 Layers	
	62 - 61	18 X 30	8 # 11	####	# 6	1	4"O/C		2 Layers	
	60 - 59	18 X 30	6 # 11	####	# 6	1	4"O/C		2 Layers	
	56	18 X 30	6 # 11	####	# 5	2	5"O/C			
	54 - 53	18 X 30	4 # 11	####	# 4	1	9"O/C			BUILT UP SECTION BU32
	52	18 X 30	4 # 11	####	# 4	1	9"O/C			
	51 - 48	18 X 30	4 # 11	####	# 4	1	9"O/C			BUILT UP SECTION BU32
	47	18 X 30	8 # 11	####	# 6	2	6"O/C		2 Layers	
	45 - 43	24 X 30	8 # 11	####	# 6	2	5"O/C		2 Layers	
	42	24 X 30	4 # 11	####	# 4	1	9"O/C			BUILT UP SECTION BU28
	41 - 40	24 X 30	4 # 11	####	# 4	1	9"O/C			BUILT UP SECTION BU28
	39	24 X 30	4 # 11	####	# 4	1	9"O/C			BUILT UP SECTION BU28
	38	24 X 30	8 # 11	####	# 6	2	4"O/C		2 Layers	
	37	24 X 30	8 # 11	####	# 6	1	4"O/C		2 Layers	
	34	24 X 30	8 # 11	####	# 6	2	5"O/C		2 Layers	
	33 - 29	24 X 30	4 # 11	####	# 4	1	9"O/C			BUILT UP SECTION BU29
	28 - 22	24 X 30	4 # 11	####	# 4	1	9"O/C			BUILT UP SECTION BU28
	21	30 X 30	10 # 11	####	# 6	2	4"O/C		2 Layers	
	20	30 X 30	10 # 11	####	# 6	2	6"O/C		2 Layers	

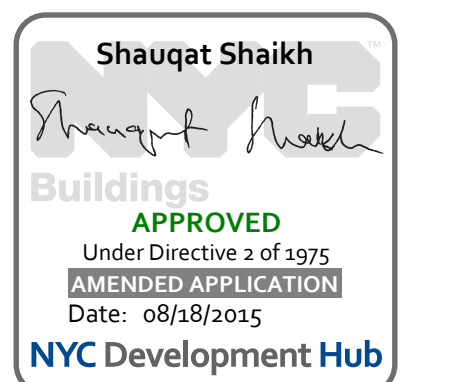
LINK BEAM SCHEDULE										
LINKBEAM LABEL	FLOOR	SIZE (IN.)	TOP REINF. (CONT.)	BOTT. REINF. (CONT.)	STIRRUP			LONGITUDINAL SKIN REINF.	REMARKS	EMBEDDED STEEL SECTION
					SIZE	TYPE	SPACING			
LBN2	80	18 X 87	8 # 11	####	# 4	1	6"O/C		2 Layers	
	79	18 X 87	12 # 11	####	# 5	1	4"O/C	#5@ 8@ E. F.	3 Layers	
	78	18 X 38	8 # 11	####	# 4	1	4"O/C	#5@ 8@ E. F.	2 Layers	
	76	18 X 38/71	2 # 11	####	# 6	1	5"O/C	#4@ 8@ E. F.	3 Layers	
	75	18X24	6 # 11	####	# 4	1	4"O/C		2 Layers	
	74	18 X 48	8 # 11	####	# 4	1	6"O/C	#4@ 8@ E. F.	2 Layers	BUILT UP SECTION BU39
	72	18 X 48/71	8 # 11	####	# 4	1	6"O/C	#4@ 8@ E. F.	2 Layers	BUILT UP SECTION BU39
	70	18 X 38/71	6 # 11	####	# 6	1	4"O/C	#4@ 8@ E. F.	4 Layers	
	68	18 X 38/71	6 # 11	####	# 6	2	7"O/C	#4@ 8@ E. F.	4 Layers	
	66	18X 36	16 # 11	####	# 6	2	7"O/C		4 Layers	
	65	18 X 18	6 # 11	####	# 4	1	5"O/C		2 Layers	
	64 - 63	18 X 18	6 # 11	####	# 4	1	5"O/C		2 Layers	
	62 - 59	18 X 18	6 # 11	####	# 4	1	6"O/C		2 Layers	
	58	18 X 60	6 # 11	####	# 4	1	6"O/C		2 Layers	BUILT UP SECTION BU30
	57	18 X 60	6 # 11	####	# 4	1	6"O/C		2 Layers	BUILT UP SECTION BU30
	56	18 X 18	6 # 11	####	# 5	1	3"O/C		2 Layers	
	55	18 X 36	4 # 11	####	# 4	1	10" O/C			BUILT UP SECTION BU6
	54 - 52	18 X 18	6 # 11	####	# 4	1	3"O/C		2 Layers	
	51 - 49	18 X 18	6 # 11	####	# 5	1	4"O/C		2 Layers	
	48	18 X 18	6 # 11	####	# 5	1	5"O/C		2 Layers	
	47	18 X 18	6 # 11	####	# 4	1	3"O/C		2 Layers	
	46	18 X 60	6 # 11	####	# 4	1	6"O/C		2 Layers	BUILT UP SECTION BU30
	45	24 X 18	8 # 11	####	# 5	1	4"O/C		2 Layers	
	44	24X 18	8 # 11	####	# 5	1	4"O/C	#4@ 8@ E. F.	2 Layers	
	43 - 39	24 X 18	8 # 11	####	# 5	1	4"O/C		2 Layers	
	38	24 X 18	6 # 11	####	# 5	1	4"O/C			
	37	24 X 18	8 # 11	####	# 5	1	4"O/C		2 Layers	
	36	24 X 71	14 # 11	####	# 5	2	4"O/C		3 Layers	
	35	24 X 80	14 # 11	####	# 5	2	5"O/C		3 Layers	
	34	24 X 18	8 # 11	####	# 5	1	4"O/C		2 Layers	
	33	24 X 18	8 # 11	####	# 5	1	5"O/C			
	32	24 X 18	8 # 11	####	# 5	1	4"O/C		2 Layers	
	31	24 X 18	8 # 11	####	# 5	1	3"O/C		2 Layers	
	30	24 X 18	10 # 11	####	# 6	2	3"O/C	#5@ 8@ E. F.	2 Layers	
	29 - 27	24 X 18	8 # 11	####	# 6	1	3"O/C		2 Layers	
	26 - 24	24 X 18	8 # 11	####	# 6	1	3"O/C		2 Layers	
	23	24 X 18	8 # 11	####	# 6	1	3"O/C		2 Layers	
	22	24 X 18	8 # 11	####	# 6	1	3"O/C		2 Layers	
	21	30 X 18	8 # 11	####	# 6	1	5"O/C		2 Layers	
	20	30 X 18	6 # 11	####	# 4	1	4"O/C			
LBN2A	65 - 63	18 X 30	12 # 11	####	# 5	1	4"O/C		3 Layers	
	62	18 X 30	12 # 11	####	# 5	1	5"O/C		3 Layers	
	61	18 X 30	10 # 11	####	# 5	1	6"O/C		2 Layers	
	60	18 X 30	8 # 11	####	# 4	1	5"O/C		2 Layers	
	59	18 X 30	8 # 11	####	# 4	1	5"O/C		2 Layers	
	56	18 X 30	4 # 11	####	# 4	1	8"O/C			BUILT UP SECTION BU10
	54 - 48	18 X 30	4 # 11	####	# 4	1	8"O/C			BUILT UP SECTION BU10
	47	18 X 30	10 # 11	####	# 5	2	5"O/C			
	45	24 X 30	14 # 11	####	# 6	3	4"O/C		2 Layers	
	44 - 37	24 X 30	14 # 11	####	# 6	2	5"O/C		2 Layers	
	34 - 33	24 X 30	12 # 11	####	# 6	2	5"O/C		2 Layers	
	29 - 30	24 X 30	6 # 11	6 # 11	# 4	1	8"O/C			BUILT UP SECTION BU11
	28 - 22	24 X 30	6 # 11	6 # 11	# 4	1	6"O/C			BUILT UP SECTION BU11
	21	30 X 30	14 # 11	####	# 6	2	5"O/C		2 Layers	
	20	30 X 30	12 # 11	####	# 5	2	6"O/C		2 Layers	
LBN3	80	18 X 60	8 # 11	####	# 4	1	5"O/C	#4@ 6@ E. F.	2 Layers	
	79	18 X 57	8 # 11	####	# 4	1	4"O/C	#4@ 6@ E. F.	2 Layers	
	78	18 X 18	4 # 11	####	# 4	1	6"O/C			
	77	18 X 18	4 # 11	####	# 6	2	6"O/C			
	76	18 X 18	4 # 11	####	# 6	2	6"O/C	#4@ 8@ E. F.		
	75	18 X 18	4 # 11	####	# 6	2	6"O/C			
	74 - 72	18 X 18	8 # 11	####	# 6	2	3"O/C		2 Layers	

LINK BEAM SCHEDULE										
LINKBEAM LABEL	FLOOR	SIZE (IN.)	TOP REINF. (CONT.)	BOTT. REINF. (CONT.)	STIRRUP			LONGITUDINAL SKIN REINF.	REMARKS	EMBEDDED STEEL SECTION
					SIZE	TYPE	SPACING			
LBN3	71	18 X 18	8 # 11	####	# 6	1	3"O/C		2 Layers	
	70 - 67	18 X 18	8 # 11	####	# 5	1	3"O/C		2 Layers	
	66	18 X 36	4 # 11	####	# 4	1	10" O/C			BUILT UP SECTION BU1
	65	18 X 18	8 # 11	####	# 5	1	3"O/C		2 Layers	
	64	18 X 18	8 # 11	####	# 5	2	3"O/C		2 Layers	
	63	18 X 18	8 # 11	####	# 5	2	3"O/C		2 Layers	
	62 - 60	18 X 18	8 # 11	####	# 5	1	3"O/C		2 Layers	
	59	18 X 18	8 # 11	####	# 5	1	3"O/C		2 Layers	
	58 - 57	18 X 60	8 # 11	####	# 4	1	6"O/C		2 Layers	BUILT UP SECTION BU2
	56	18 X 18	8 # 11	####	# 5	1	3"O/C		2 Layers	
	55	18 X 36	4 # 11	####	# 4	1	10" O/C			BUILT UP SECTION BU6
	54	18 X 18	8 # 11	####	# 5	1	3"O/C		2 Layers	
	53	18 X 18	8 # 11	####	# 6	1	3"O/C		2 Layers	
	52	18 X 18	8 # 11	####	# 6	2	3"O/C		2 Layers	
	51 - 47	18 X 18	8 # 11	####	# 5	1	3"O/C		2 Layers	
	46	18 X 60	10 # 11	####	# 5	1	6"O/C		2 Layers	BUILT UP SECTION BU3

LINK BEAM SCHEDULE										
LINKBE AM LABEL	FLOOR	SIZE (IN.)	TOP REINF. (CONT.)	BOTT. REINF. (CONT.)	STIRRUP			LONGITUDINAL SKIN REINF.	REMARKS	EMBEDDED STEEL SECTION
					SIZE	TYPE	SPACING			
LBS1	34 - 25	18 X 48	6 # 11	###	# 5	1	8" O/C		2 Layers	BUILT UP SECTION BU18
	24	18 X 48	6 # 11	###	# 5	1	8" O/C		2 Layers	BUILT UP SECTION BU18
	23 - 21	18 X 48	4 # 11	###	# 4	1	8" O/C			BUILT UP SECTION BU20
	20	18 X 48	8 # 11	###	# 6	2	4" O/C	#4 @ 6" E. F.	2 Layers	
LBS1A	77	18 X 24	4 # 11	4#11	# 4	1	8" O/C			
	76	18 X 24	4 # 11	4#11	# 4	1	8" O/C			
	75	18 X 24	6 # 11	6#11	# 4	2	4" O/C		2 Layers	
	74	18 X 24	6 # 11	6#11	# 5	2	8" O/C		2 Layers	
	73	18 X 24	4 # 11	###	# 4	1	8" O/C			BUILT UP SECTION BU32
	72	18 X 24	6 # 11	###	# 5	1	6" O/C		2 Layers	
	71	18 X 24	4 # 11	###	# 4	1	6" O/C			BUILT UP SECTION BU32
	70	18 X 24	6 # 11	###	# 5	1	4" O/C		2 Layers	
	69	18 X 24	8 # 11	###	# 6	1	4" O/C		2 Layers	
	68	18 X 24	8 # 11	###	# 5	1	4" O/C		2 Layers	
	67	18 X 24	4 # 11	###	# 4	1	8" O/C			BUILT UP SECTION BU32
LBS2	75	18 X 24	8 # 11	8 # 11	# 4	1	4" O/C		2 Layers	
	73	36 X 28	18 # 11	###	# 5	2	8" O/C		2 Layers	
	72	36 X 28	14 # 11	###	# 5	2	8" O/C		2 Layers	
	71	36 X 28	20 # 11	###	# 5	2	4" O/C		2 Layers	
	69	18 X 24	10 # 11	###	# 6	1	4" O/C		3 Layers	
	67	18 X 24	12 # 11	###	# 5	1	4" O/C		3 Layers	
	66	18 X 36	16 # 11	###	# 5	2	8" O/C		4 Layers	
	65	18 X 48	18 # 11	###	# 5	2	8" O/C	#4 @ 6" E. F.	5 Layers	
	64 - 63	18 X 48	18 # 11	###	# 6	2	8" O/C	#4 @ 6" E. F.	5 Layers	
	62 - 61	18 X 48	18 # 11	###	# 6	1	8" O/C	#4 @ 6" E. F.	4 Layers	
	60	18 X 48	16 # 11	###	# 6	1	4" O/C	#4 @ 6" E. F.	4 Layers	
	59	18 X 48	12 # 11	###	# 5	1	4" O/C		4 Layers	
	58	40 1/4 X 60	18 # 11	###	# 5	1	6" O/C			BUILT UP SECTION BU13
	57	40 1/4 X 60	18 # 11	###	# 4	2	8" O/C			
	56	18 X 63	8 # 11	###	# 5	1	6" O/C		2 Layers	BUILT UP SECTION BU13
	55 - 47	18 X 48	8 # 11	###	# 5	1	8" O/C		2 Layers	BUILT UP SECTION BU13
	46	18 X 60	10 # 11	###	# 5	1	8" O/C		3 Layers	BUILT UP SECTION BU37
	45 - 37	18 X 48	4 # 11	###	# 4	1	10" O/C			BUILT UP SECTION BU13
	36	18 X 71	10 # 11	###	# 5	1	8" O/C		3 Layers	BUILT UP SECTION BU 42
	35	18 X 45	10 # 11	###	# 5	1	8" O/C		3 Layers	BUILT UP SECTION BU 47
	34 - 20	18 X 48	8 # 11	###	# 5	1	8" O/C		2 Layers	BUILT UP SECTION BU13
LBS2A	75	18 X 24	8 # 11	###	# 4	1	4" O/C		2 Layers	
	73	18 X 24	12 # 11	###	# 5	1	8" O/C		3 Layers	
	71	18 X 24	12 # 11	###	# 5	1	4" O/C		3 Layers	
	69	18 X 24	12 # 11	###	# 6	1	4" O/C		3 Layers	
	67	18 X 24	12 # 11	###	# 6	1	4" O/C		3 Layers	
LBS3	77	36 X 18	6 # 9	###	# 4	1	8" O/C			
	76	36 X 24	6 # 10	###	# 4	1	8" O/C			
	75	36 X 24	6 # 10	###	# 4	1	8" O/C			
	74	36 X 28	6 # 11	###	# 4	2	7" O/C			
	73	36 X 28	6 # 11	###	# 4	2	0/C			
	72	36 X 28	10 # 11	###	# 4	2	0/C			
	71	36 X 28	10 # 11	###	# 4	2	0/C			
	70 - 67	18 X 24	4 # 11	###	# 4	1	8" O/C			
	66 - 64	18 X 36	12 # 11	###	# 4	1	8" O/C		2 Layers	
	63 - 62	18 X 36	8 # 11	###	# 4	1	0/C		2 Layers	
	61	18 X 36	8 # 11	###	# 4	1	8" O/C		2 Layers	
	60 - 59	18 X 36	6 # 11	###	# 4	1	11" O/C		2 Layers	
	59	18 X 36	6 # 11	###	# 4	1	11" O/C		2 Layers	
	58	40 1/4 X 60	18 # 11	###	# 4	1	12" O/C		2 Layers	
	57	40 1/4 X 60	18 # 11	###	# 4	1	12" O/C		2 Layers	
	56	18 X 63	10 # 11	###	# 4	1	12" O/C		3 Layers	
	55 - 52	18 X 36	6 # 11	###	# 4	1	11" O/C		2 Layers	
	51 - 47	18 X 36	8 # 11	###	# 4	1	10" O/C		2 Layers	
	46	18 X 60	14 # 11	###	# 4	1	10" O/C		4 Layers	

LINK BEAM SCHEDULE										
LINKBE AM LABEL	FLOOR	SIZE (IN.)	TOP REINF. (CONT.)	BOTT. REINF. (CONT.)	STIRRUP			LONGITUDINAL SKIN REINF.	REMARKS	EMBEDDED STEEL SECTION
					SIZE	TYPE	SPACING			
LBS3	45 - 37	18 X 36	8 # 11	###	# 4	1	10" O/C		2 Layers	
	36	18 X 60	10 # 11	###	# 4	1	10" O/C		2 Layers	
	35	18 X 57	10 # 11	###	# 4	1	6" O/C		2 Layers	
	34	18 X 36	8 # 11	###	# 4	1	8" O/C		2 Layers	
	33 - 21	18 X 36	8 # 11	###	# 4	1	11" O/C		2 Layers	
	20	18 X 36	6 # 11	###	# 4	1	12" O/C		2 Layers	
	24 - 20	18 X 36	6 # 11	###	# 4	1	12" O/C		2 Layers	
	19	24 X 66	12 # 11	###	# 5	1	6" O/C			BUILT UP SECTION BU35
LBS3 A	77 - 76	18 X 24	4 # 8	###	# 4	1	8" O/C			
	75 - 73	18 X 24	4 # 8	###	# 4	1	8" O/C			
	72	18 X 24	4 # 8	###	# 4	1	8" O/C			
	71	18 X 28	4 # 9	###	# 4	2	8" O/C			
	70 - 67	18 X 24	4 # 9	###	# 4	1	8" O/C			
LBW1	76 - 73	20/24 X 73	4 # 8	4 # 8	# 4	1	6" O/C			
	74	20/24 X 90	4 # 8	4 # 8	# 4	1	6" O/C			
	73	27x73	4 # 8	4 # 8	# 4	1	6" O/C			
	72	20/24 X 90	4 # 10	4 # 10	# 5	1	4" O/C			
	71	20/24x73	4 # 8	4 # 8	# 4	1	5" O/C			
	70	20/24x90	4 # 9	4 # 9	# 4	1	6" O/C			
	69	20/24x73	4 # 8	4 # 8	# 4	1	8" O/C			
	68	20/24x90	4 # 9	4 # 9	# 4	1	5" O/C			
	67	20/24x73	4 # 11	4 # 11	# 4	2	7" O/C			
	66	20/24x99	4 # 10	4 # 10	# 5	1	5" O/C			
	65	24x42 3/4	4 # 10	4 # 10	# 4	2	5" O/C			
	64 - 62	20/24x73	4 # 9	4 # 9	# 4	1	4" O/C			
	60	20/24 X 73	4 # 9	4 # 9	# 5	1	4" O/C			
	59	20/24 X 73	4 # 8	4 # 8	# 4	1	8" O/C			
	55	20/24 X 73	4 # 9	4 # 9	# 4	1	8" O/C			
	54 - 53	20/24 X 73	4 # 8	4 # 8	# 4	1	7" O/C			
	52 - 50	20/24 X 73	4 # 9	4 # 9	# 4	1	6" O/C			
	50 - 48	20/24 X 73	4 # 9	4 # 9	# 4	1	5" O/C			
	47	20/24 X 73	4 # 8	4 # 8	# 4	1	7" O/C			
	46	20/24x96	4 # 8	###	# 4	1	7" O/C			
	45	24x39 3/4	6 # 8	###	# 4	1	5" O/C			
	44	20/24 X 73	4 # 8	###	# 4	1	7" O/C			
	43 - 42	20/24 X 73	4 # 9	###	# 4	1	6" O/C			
	41	20/24 X 73	4 # 9	###	# 4	1	5" O/C			
	40	20/24 X 73	4 # 9	###	# 4	1	5" O/C			
	39	20/24 X 73	4 # 10	###	# 4	1	5" O/C			
	38 - 32	20/24 X 73	4 # 9	###	# 4	1	6" O/C			
	33	20/24 X 73	4 # 11	###	# 4	2	6" O/C			
	32 - 30	20/24 X 73	4 # 9	###	# 4	1	4" O/C			
	29	20/24 X 73	4 # 10	###	# 4	1	4" O/C			
	28 - 28	20/24 X 73	4 # 10	###	# 4	1	4" O/C			
	25	20/24 X 73	4 # 10	###	# 5	1	5" O/C			
	24	20/36 X 73	4 # 11	###	# 5	1	4" O/C			
	23	32/36x73	4 # 11	4 # 11	# 6	1	4" O/C			
	22	32/36x73	8 # 11	###	# 6	2	6" O/C			
LBW2	66	18 X 96 1/6	16 # 11	###	# 6	1	5" O/C		2 Layers	
	57	26 X 46	6 # 11	6 # 11	# 4	2	5" O/C			
	56	26 X 53 3/4	11 # 11	###	# 4	2	5" O/C			
	55	26x90	4 # 8	4 # 8	# 4	1	4" O/C			
	54 - 50	26x90	4 # 8	4 # 8	# 4	1	6" O/C			
	49	26x90	6 # 8	###	# 4	1	6" O/C			
	48	26 X 90	6 # 8	###	# 4	1	5" O/C			
	47	26 X 90	4 # 11	4 # 11	# 5	1	4" O/C			
	46	26 X 96 1/4	11 # 11	###	# 4	1	6" O/C			BUILT UP SECTION BU27
	45	26x 59 3/6	16 # 11	4 # 11	# 6	1	4" O/C			
	44 - 43	26x90	8 # 11	###	# 6	1	4" O/C			
	42	26x90	7 # 11	###	# 6	2	5" O/C		2 Layers	
	41	26x90	6 # 11	###	# 5	1	4" O/C			
	40 - 38	26x90	6 # 11	###	# 5	1	4" O/C			

LINK BEAM SCHEDULE										
LINKBE AM	FLOOR	SIZE	TOP REINF.	BOTT. REINF.	STIRRUP			LONGITUDINAL SKIN REINF.	REMARKS	EMBEDDED STEEL SECTION
					SIZE	TYPE	SPACING			
LBW2	3									



111 WEST 57TH STREET
111 WEST 57TH STREET



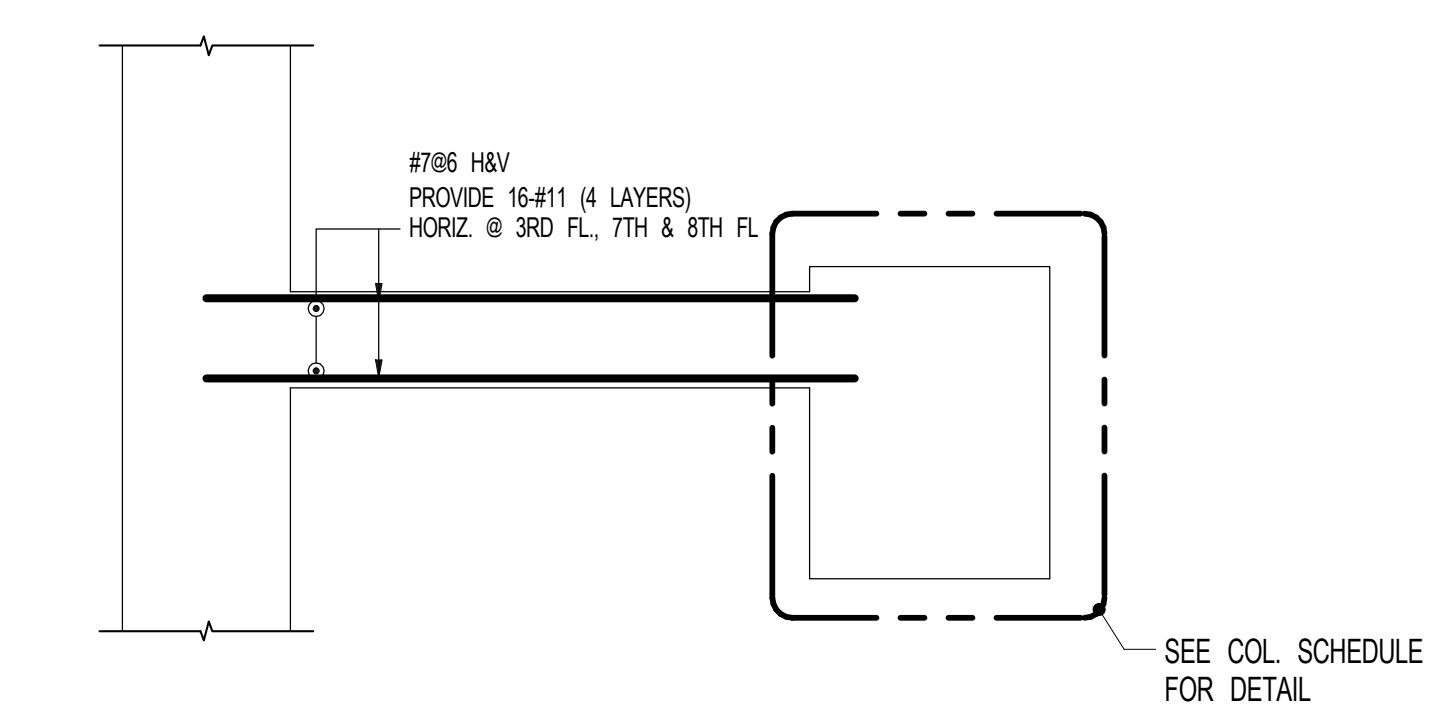
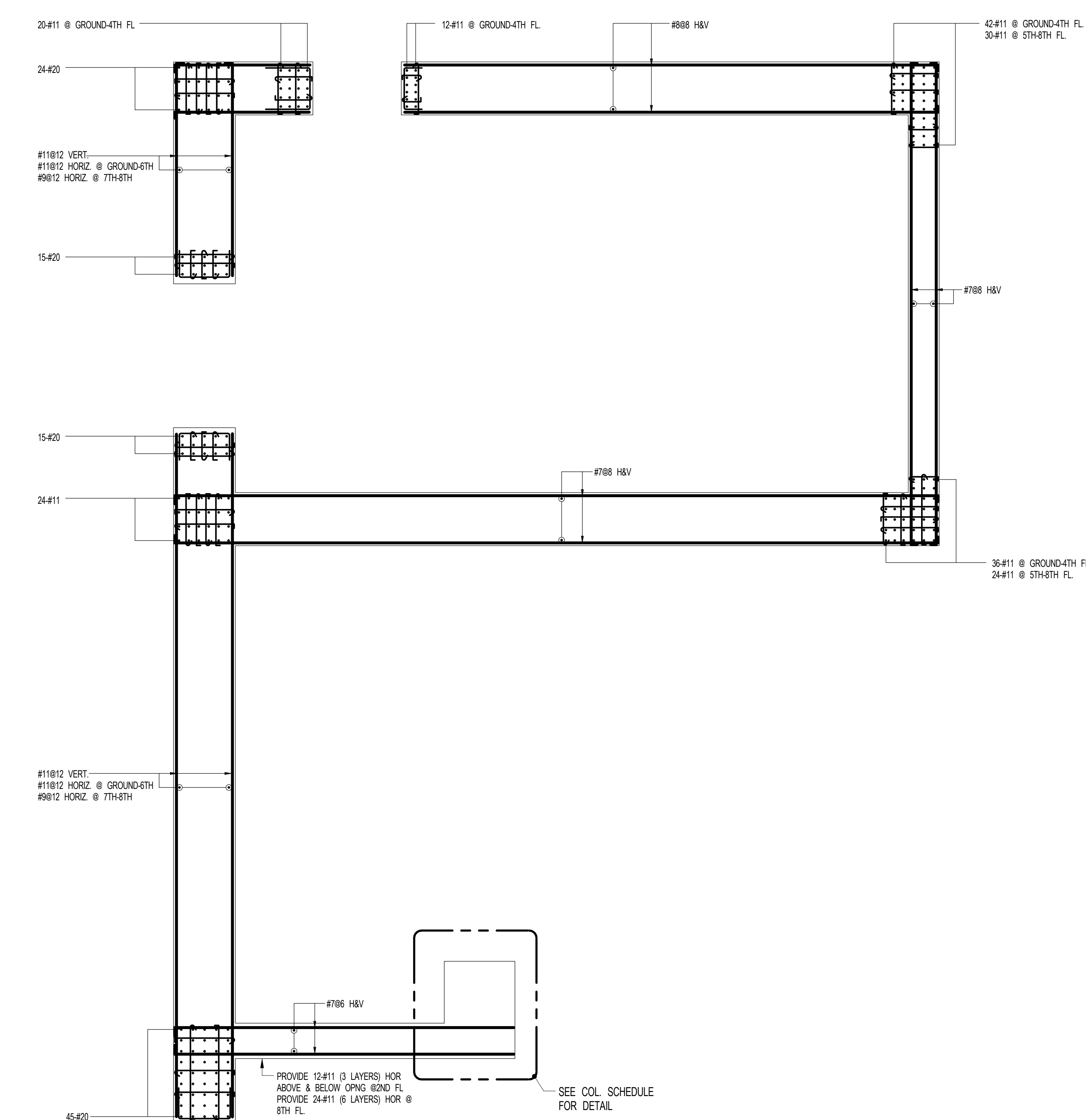
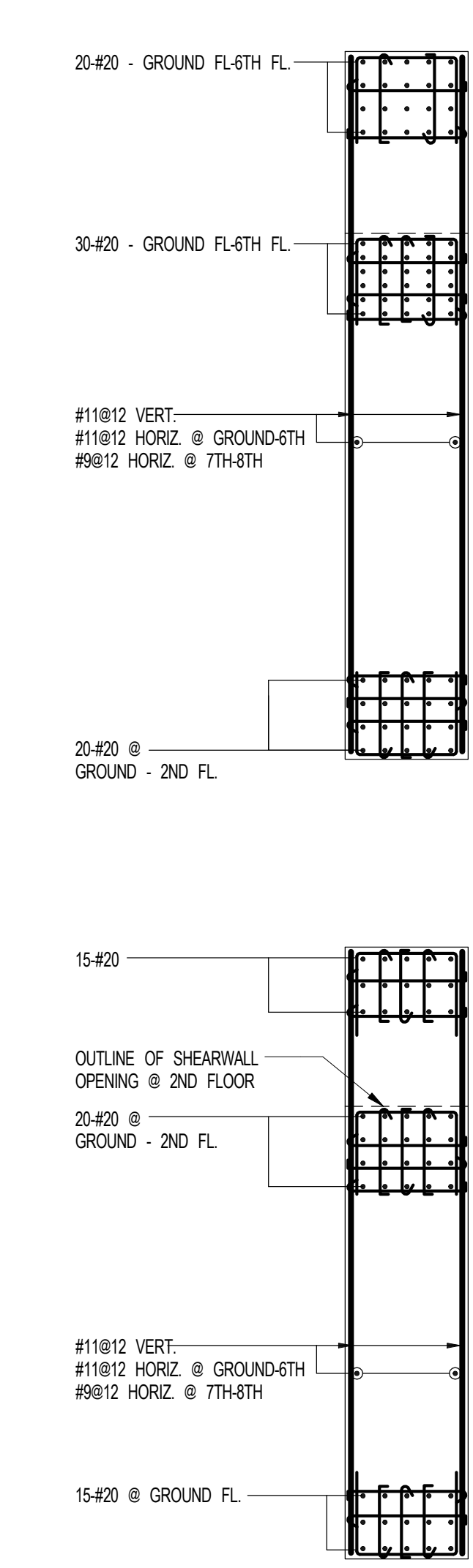
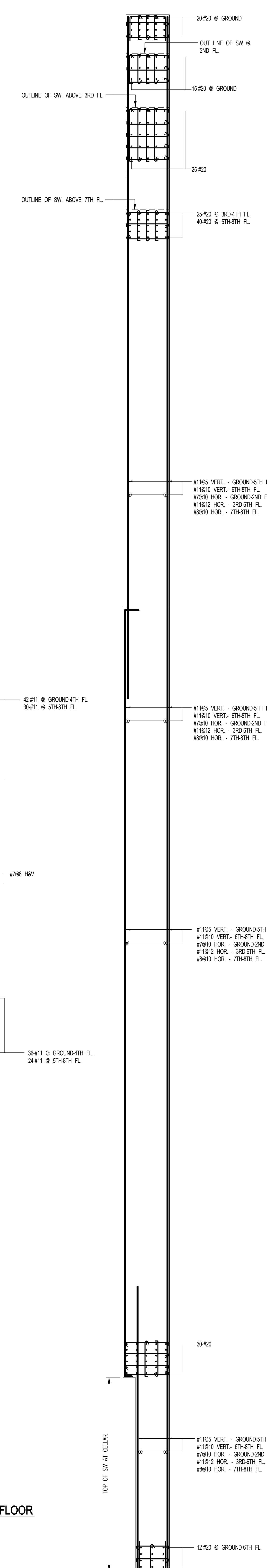
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SHEARWALL REINFORCEMENT PLAN - GROUND TO U/S OF 9TH FLOOR

SEAL & SIGNATURE	DATE	3/27/15
	PROJECT NO.	1310140
	DRAWN BY	CADD
	CHECKED BY	CL
	DOB NO.	
	DRAWING NUMBER	S-941.00



2 SHEARWALL REINFORCEMENT PART PLAN - 3RD FLOOR
S-941 SCALE: 1/4" = 1'-0"

1 SHEARWALL REINFORCEMENT PLAN - GROUND - U/S OF 9TH FLOOR
S-941 SCALE: 1/4" = 1'-0"

- NOTES
1. FOR DIMENSIONS AND SEES SEE CORRESPONDING PLANS
 2. #11 BARS SHALL BE GRADE 75
 3. #20 BARS SHALL BE GRADE 87
 4. FOR TOP DETAILS & TABLES SEE S-940

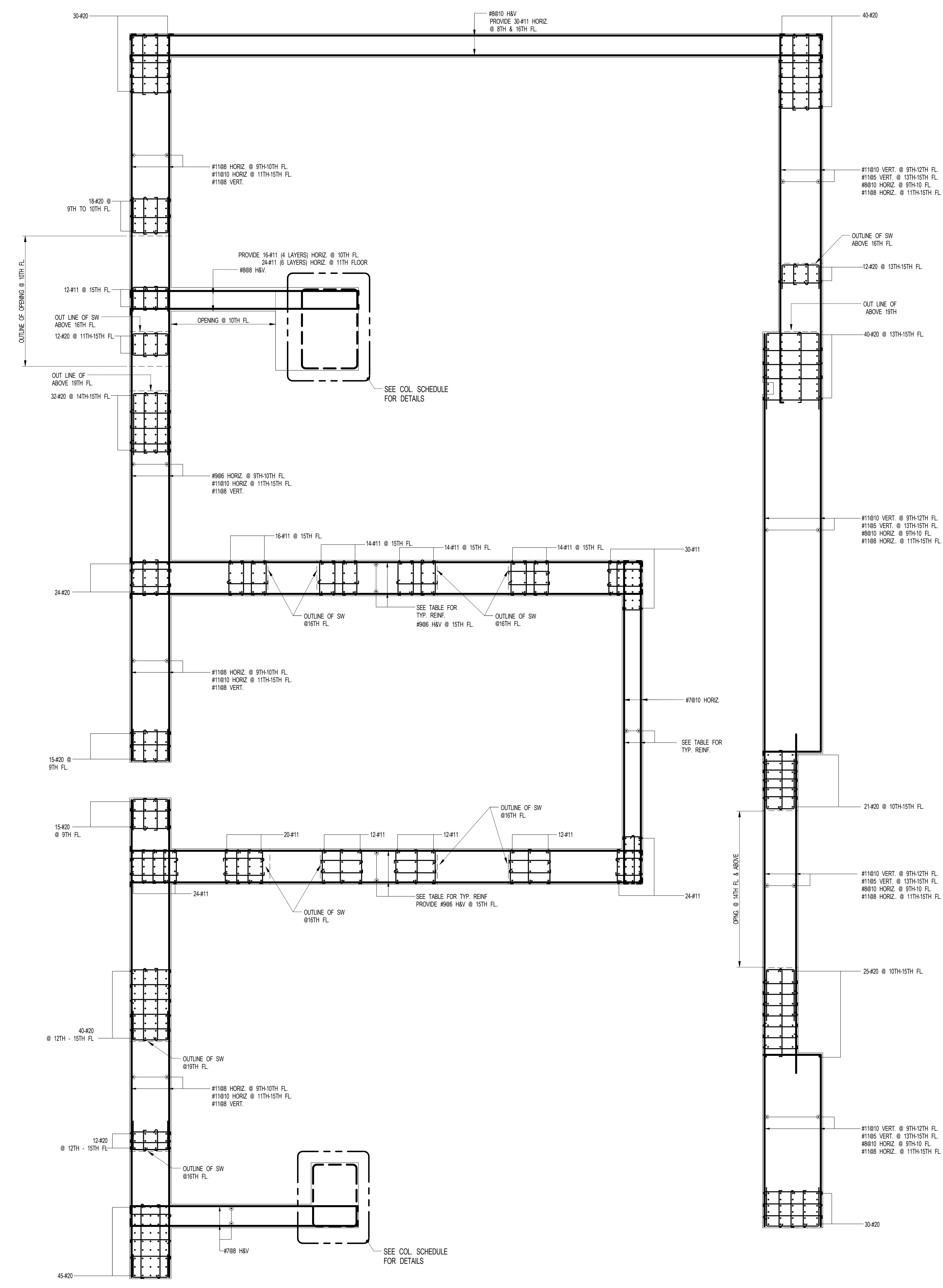
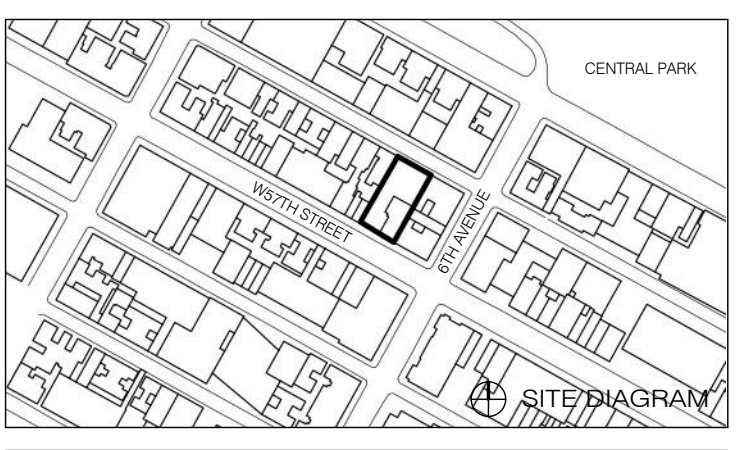
ARCHITECT	SHAP ARCHITECTS, P.C. 230 BROADWAY, 11TH FLOOR NEW YORK, NY 10005 TEL: 212 683 9336
STRUCTURAL ENGINEER	YUSUF GHAFFAR HANOUK 230 EAST 43RD STREET NEW YORK, NY 10017 TEL: 212 697 5866
MEP ENGINEER	JANUS BILAL & BOLLER 80 WINE STREET, 12TH FLOOR NEW YORK, NY 10002 TEL: 212 693 8333
CIVIL ENGINEER	AKRF ENGINEERING, P.C. 40 FIFTH AVE, 20TH FLOOR NEW YORK, NY 10003 TEL: 800 388 2626
ACOUSTICIAN	LONGMANN LINDSEY 4 WEST 58TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 917 238 2389
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FAÇADE	BURROUGHS WAREFIELD 100 BROADWAY NEW YORK, NY 10002 TEL: 212 254 2025
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PROPERTY MARKETS GROUP
13427 174TH STREET, 2ND FLOOR
NEW YORK, NY 10030
TEL: 212 893 9900

Shauqat Shaikh
Building
APPROVED
Under Directive 2 of 1975
BUILDING DEPARTMENT
DATE: 08/25/2015
NYC Development Hub

111 WEST 57TH STREET
111 WEST 57TH STREET



1 SHEARWALL REINFORCEMENT PLAN - 9TH - U/S OF 16TH FLOOR
SCALE: 1/4" = 1'-0"

- NOTES:
- FOR DIMENSIONS AND SIZES SEE CORRESPONDING PLANS.
 - #11 BARS SHALL BE GRADE 75.
 - #402 BARS SHALL BE GRADE 67.
 - FOR TYP DETAILS & TABLES SEE S-942.

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SHEARWALL REINFORCEMENT PLAN - 9TH - U/S OF 16TH FLOOR

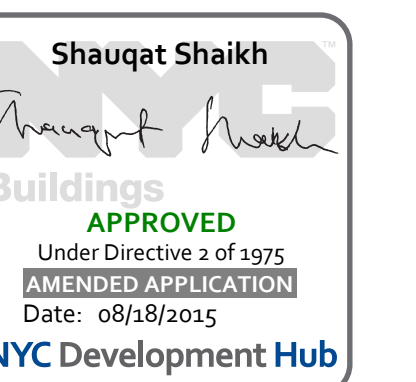
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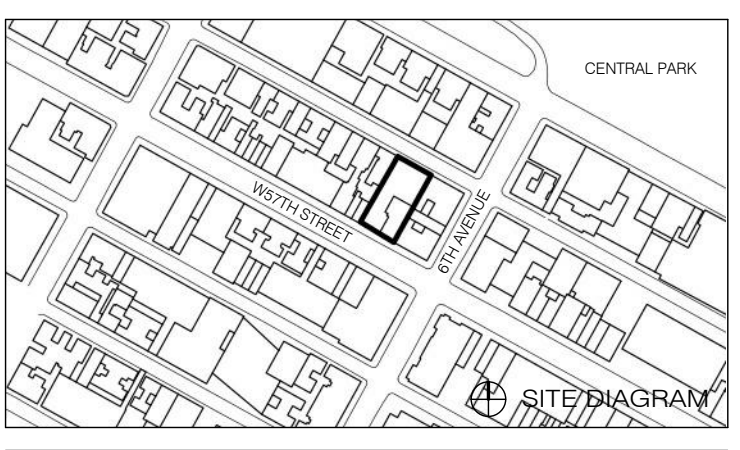
ARCHITECT SHAP ARCHITECTS, P.C. 200 BROADWAY, 11TH FLOOR NEW YORK, NY 10038 TEL: 212 689 9300	FAÇADE SHOENBERG 100 WEST 57TH STREET NEW YORK, NY 10019 TEL: 212 244 2025
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ACQUISITION LONGMAN LINDSEY 40 WEST 57TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 917 238 4000	INTERIORS STUDIO SCENEFIELD 300 WALKER STREET NEW YORK, NY 10002 TEL: 212 475 3000



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NEW YORK, NY 10019
TEL: 212 689 9300
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111 WEST 57TH STREET
111 WEST 57TH STREET



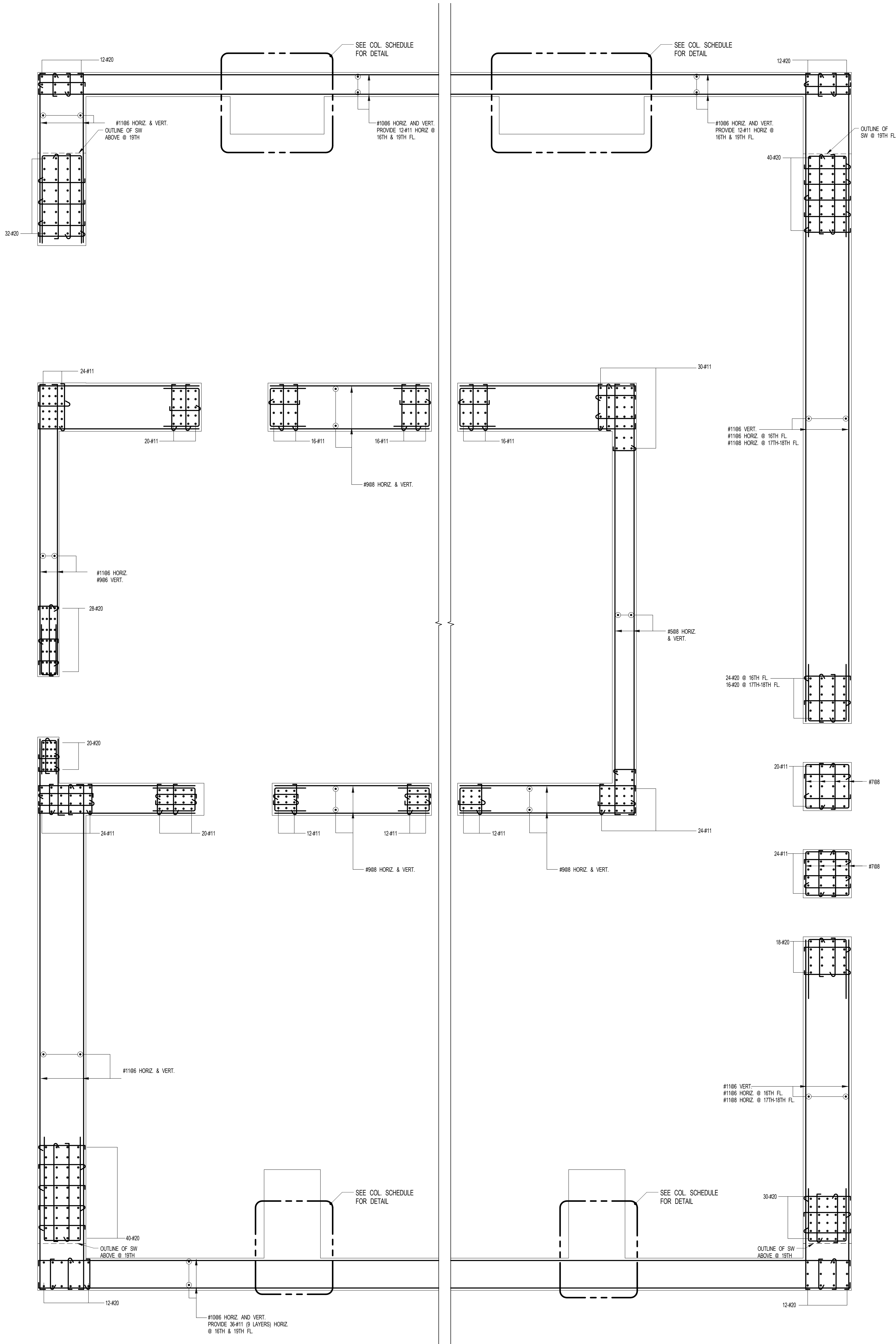
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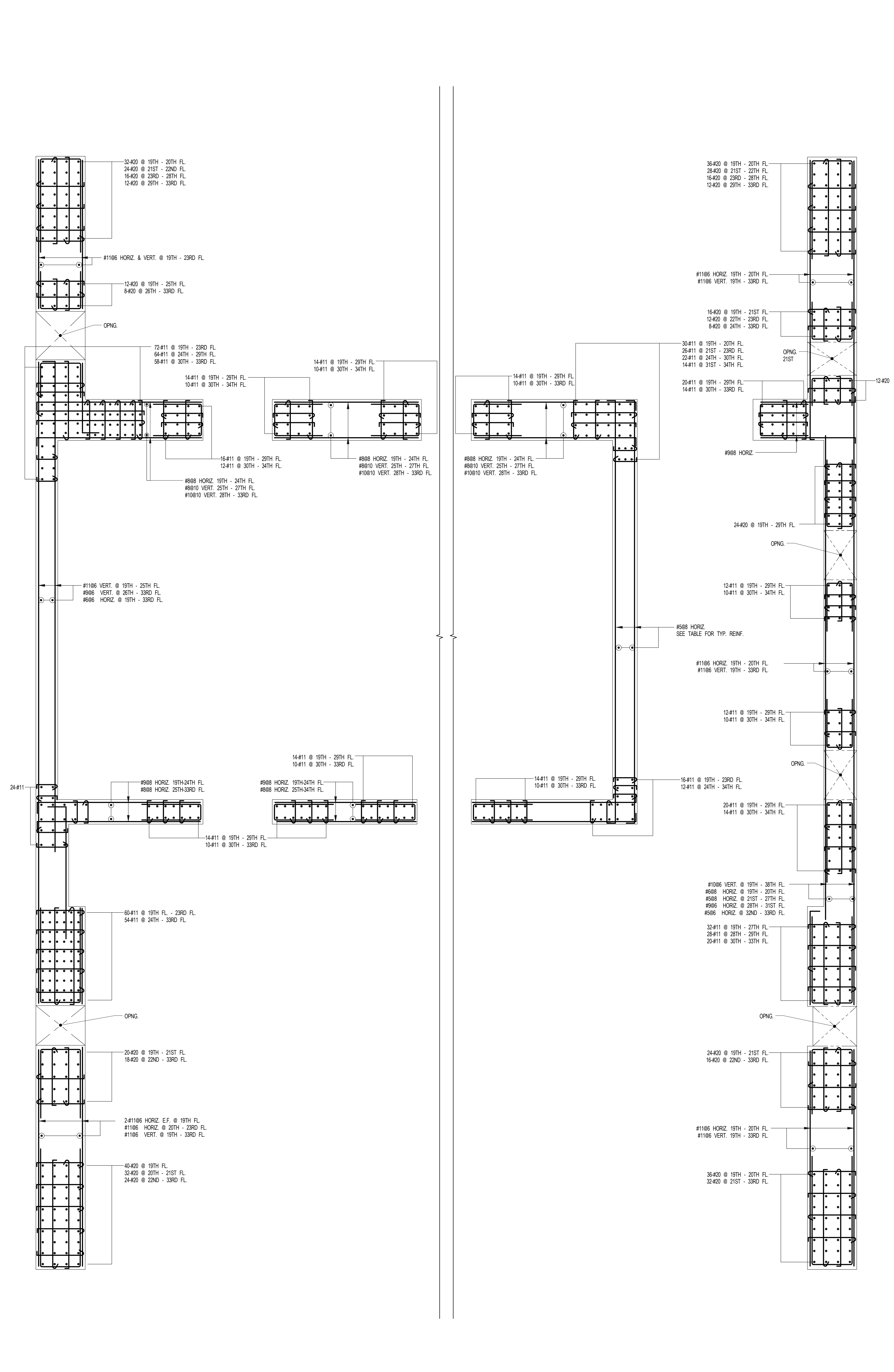
SHEARWALL REINFORCEMENT PLAN - 16TH - U/S OF 34TH FLOOR

SEAL & SIGNATURE	DATE	3/27/15
	PROJECT NO.	1310140
	DRAWN BY	CADD
	CHECKED BY	CL
	DOB NO.	
	DRAWING NUMBER	S-943.00

- NOTES:
1. FOR DIMENSIONS AND SIZES SEE CORRESPONDING PLANS.
2. #11 BARS SHALL BE GRADE #1.
3. #20 BARS SHALL BE GRADE #7.
4. FOR TYP DETAILS & TABLES SEE S-949.



1 SHEARWALL REINFORCEMENT PLAN - 16TH - U/S OF 19TH FLOOR
S-943 SCALE: 3/8" = 1'-0"



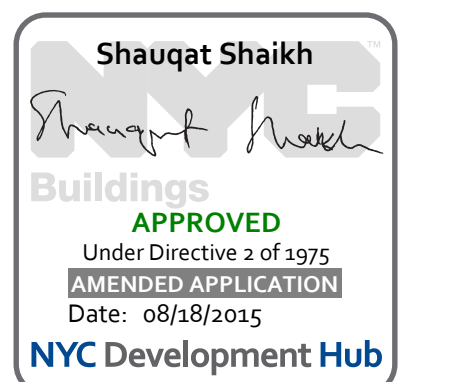
2 SHEARWALL REINFORCEMENT PLAN - 19TH - U/S OF 34TH FLOOR
S-943 SCALE: 3/8" = 1'-0"

ARCHITECT	SHAP ARCHITECTS, P.C. 230 BROADWAY, 11TH FLOOR NEW YORK, NY 10038 TEL: 212 693 9300	FACADE	SHOENBERG FERRARO 100 BROADWAY NEW YORK, NY 10038 TEL: 212 254 2025
STRUCTURAL ENGINEER	YONG CHAN CHOI ENGINEER 228 EAST 43RD STREET NEW YORK, NY 10017 TEL: 212 697 5886	MEP ENGINEER	JORDIS, BALAM & BOLLER 89 WING STREET, 2ND FLOOR NEW YORK, NY 10003 TEL: 212 693 8333
MEP ENGINEER	JORDIS, BALAM & BOLLER 89 WING STREET, 2ND FLOOR NEW YORK, NY 10003 TEL: 212 693 8333	CIVIL ENGINEER	AWR ENGINEERING, P.C. 80 WEST 40TH STREET, 7TH FLOOR NEW YORK, NY 10018 TEL: 646 288 2628
ACQUISITION	LONGMAN LINDSEY 41 WEST 57TH STREET, 4TH FLOOR NEW YORK, NY 10019 TEL: 917 288 2880	INTERIORS	STUDIO SCARFIELD 30 WALKER STREET NEW YORK, NY 10002 TEL: 212 475 3300
GEOTECH	GEOTECH 305 WEST 47TH STREET, 4TH FLOOR NEW YORK, NY 10036 TEL: 917 288 4900	RESTORATION	VAN DEUSEN & ASSOCIATES 100 WEST STREET, SUITE 201 LAWRENCE, NJ 07044 TEL: 973 948 8700
RESTORATION	JAN HRO FOKORNY ASSOCIATES 80 WEST 40TH STREET, 7TH FLOOR NEW YORK, NY 10018 TEL: 212 291 6462	LIGHTING	CONSERVATORIE INTERNATIONAL 100 WALKER STREET, 7TH FLOOR EAST NEW YORK, NY 10002 TEL: 212 251 4463



PROPERTY MARKETS GROUP
134 EAST 17TH STREET, 2ND FLOOR
NEW YORK, NY 10003
TEL: 212 693 9300

CURRENT ISSUE



111 WEST 57TH STREET
111 WEST 57TH STREET



1	3/27/15	DOB PIA
NO.	DATE	REVISION

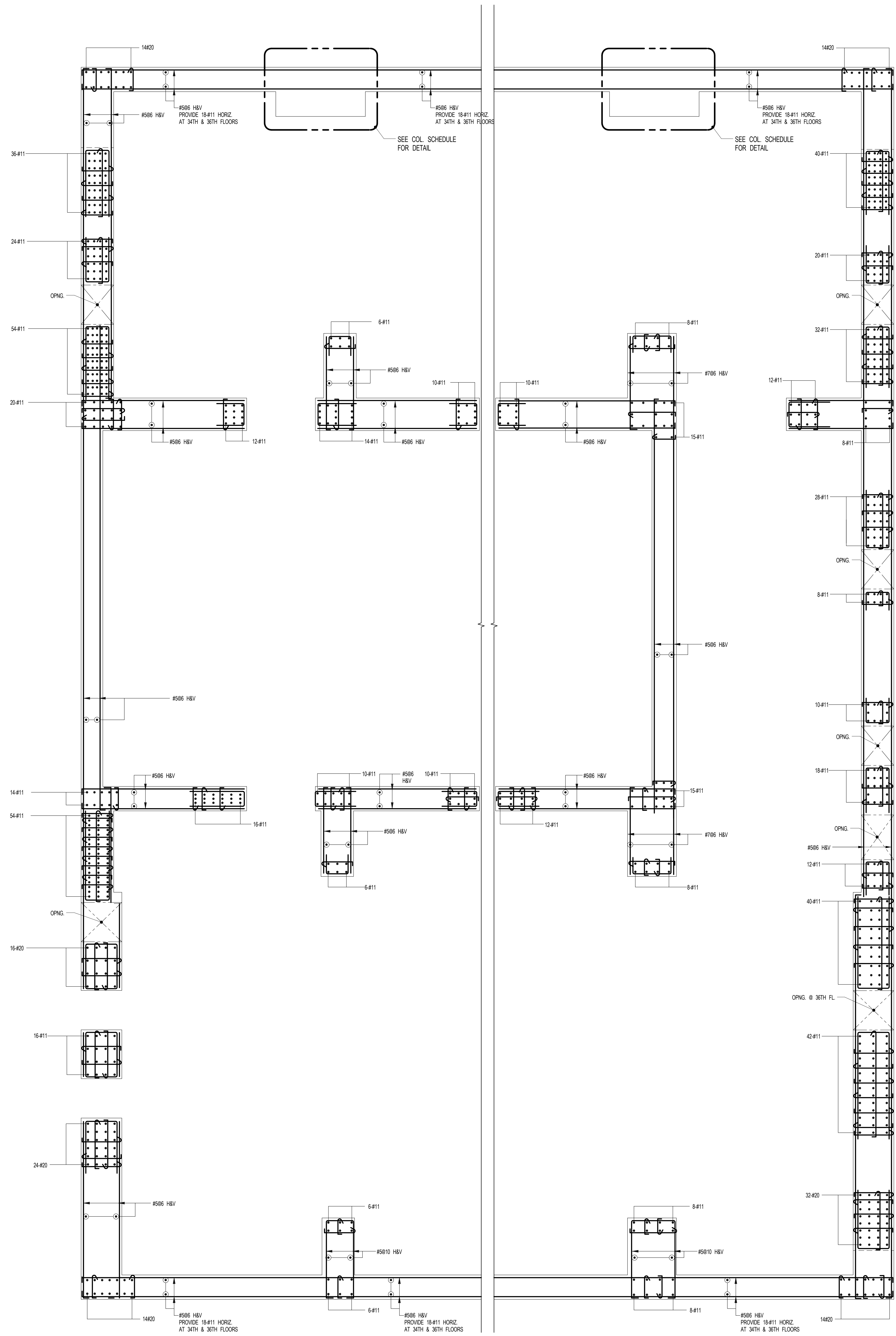
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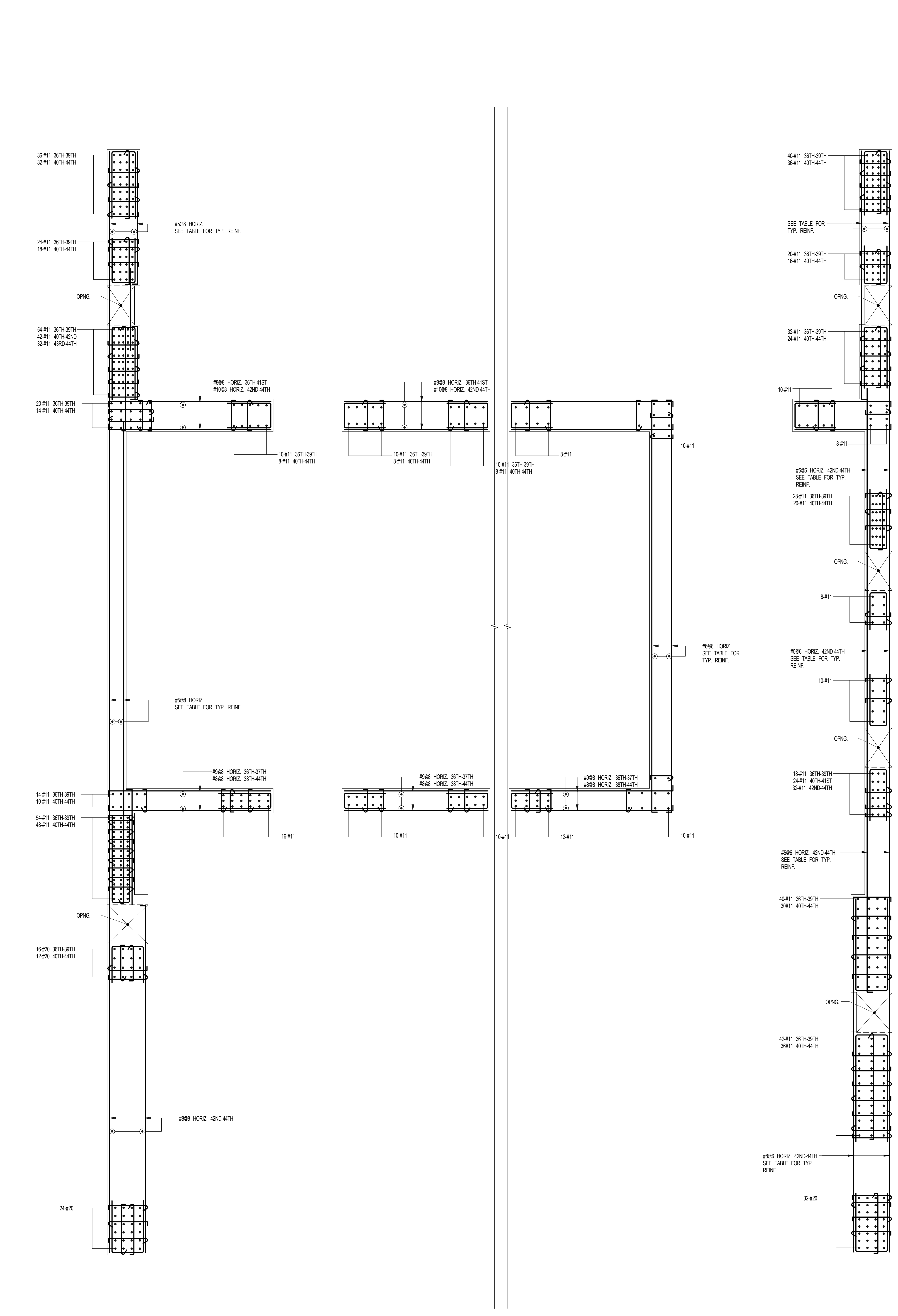
DRAWING TITLE
SHEARWALL REINFORCEMENT PLAN - 34TH - U/S OF 36TH FLOOR

SEAL & SIGNATURE	DATE	3/27/15
	PROJECT NO.	1310140
	DRAWN BY	CADD
	CHECKED BY	CL
	DOB NO.	0975
	DRAWING NUMBER	S-944.00

NOTES:
1. FOR DIMENSIONS AND SIZES SEE CORRESPONDING PLANS.
2. #11 BARS SHALL BE GRADE #3.
3. #02 BARS SHALL BE GRADE #3.
4. FOR TYP DETAILS & TABLES SEE S-948.



1 SHEARWALL REINFORCEMENT PLAN - 34TH - U/S OF 36TH FLOOR
SCALE: 3/8" = 1'-0"



2 SHEARWALL REINFORCEMENT PLAN - 36TH - U/S OF 45TH FLOOR
SCALE: 3/8" = 1'-0"

ARCHITECT
SHP ARCHITECTS, P.C.
225 BROADWAY, 11TH FLOOR
NEW YORK, NY 10038
TEL: 212.688.9000

STRUCTURAL ENGINEER
WFP GAYTOR BENTLEY
225 EAST 42ND STREET
NEW YORK, NY 10017
TEL: 212.681.8888

MEP ENGINEER
JARCOS BALMA & ROLLER
40 FINE STREET, 5TH FLOOR
NEW YORK, NY 10038
TEL: 212.688.0388

CIVIL ENGINEER
AKRF ENGINEERING, P.C.
440 PARK AVE, 500TH, 7TH FLOOR
NEW YORK, NY 10022
TEL: 646.388.9800

ACoustICS
LOWMAN ENGINEERING
42 WEST 20TH STREET, 6TH FLOOR
NEW YORK, NY 10011
TEL: 917.228.3382

INTERIORS
STUDIO SOKHELD
800 LAURENCE STREET
NEW YORK, NY 10022
TEL: 212.429.1283

FAÇADE
BLURO HAMPFORD
200 BROADWAY
NEW YORK, NY 10038
TEL: 212.688.2555

VERTICAL TRANSPORTATION
VAN DELSEN & ASSOCIATES
2 NASSAU STREET, 20TH FLR
LONGFORD, NY 11764
TEL: 845.488.8800

RESTORATION
JAN HROD POKORNY ASSOCIATES
30 WEST 37TH STREET, FLOOR 12A
NEW YORK, NY 10018
TEL: 212.758.1482

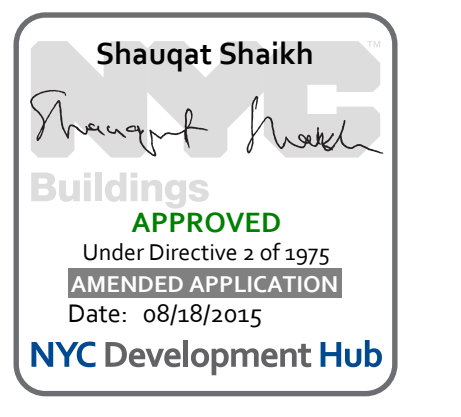
GEOTECH
SIRICE
220 WEST 34TH STREET, 6TH FLOOR
NEW YORK, NY 10001
TEL: 811.338.3383

LIGHTING
LOBEORATORY INTERNATIONAL
200 WASHINGTON STREET, 27TH FLOOR EAST
NEW YORK, NY 10011
TEL: 212.224.4483

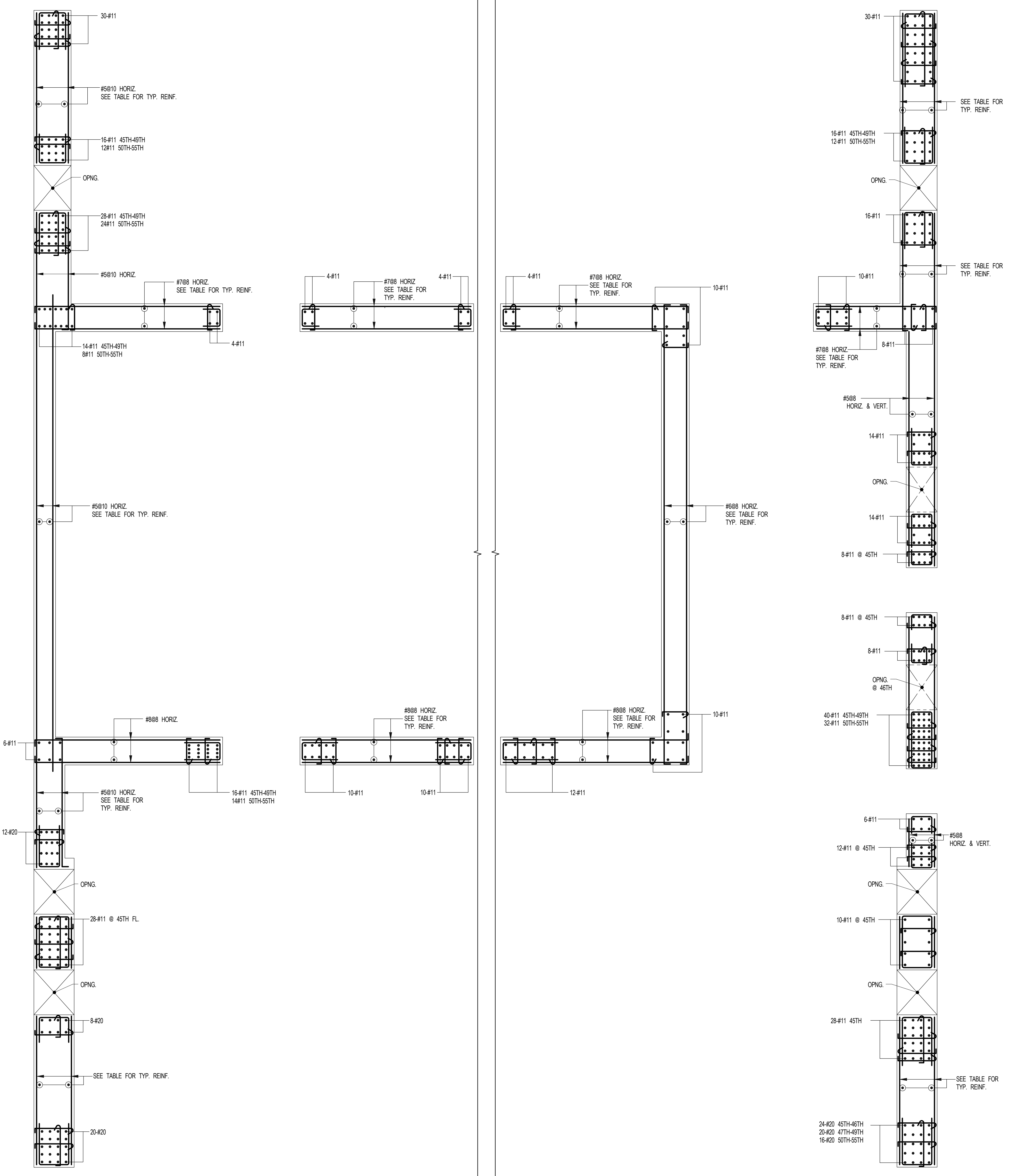
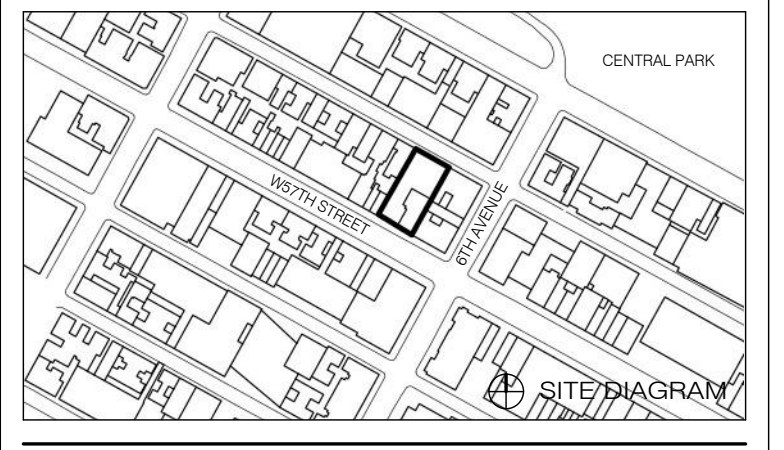


PROPERTY MARKETS GROUP
150 EAST 17TH STREET, 2ND FLOOR
NEW YORK, NY 10003
TEL: 212.673.2800

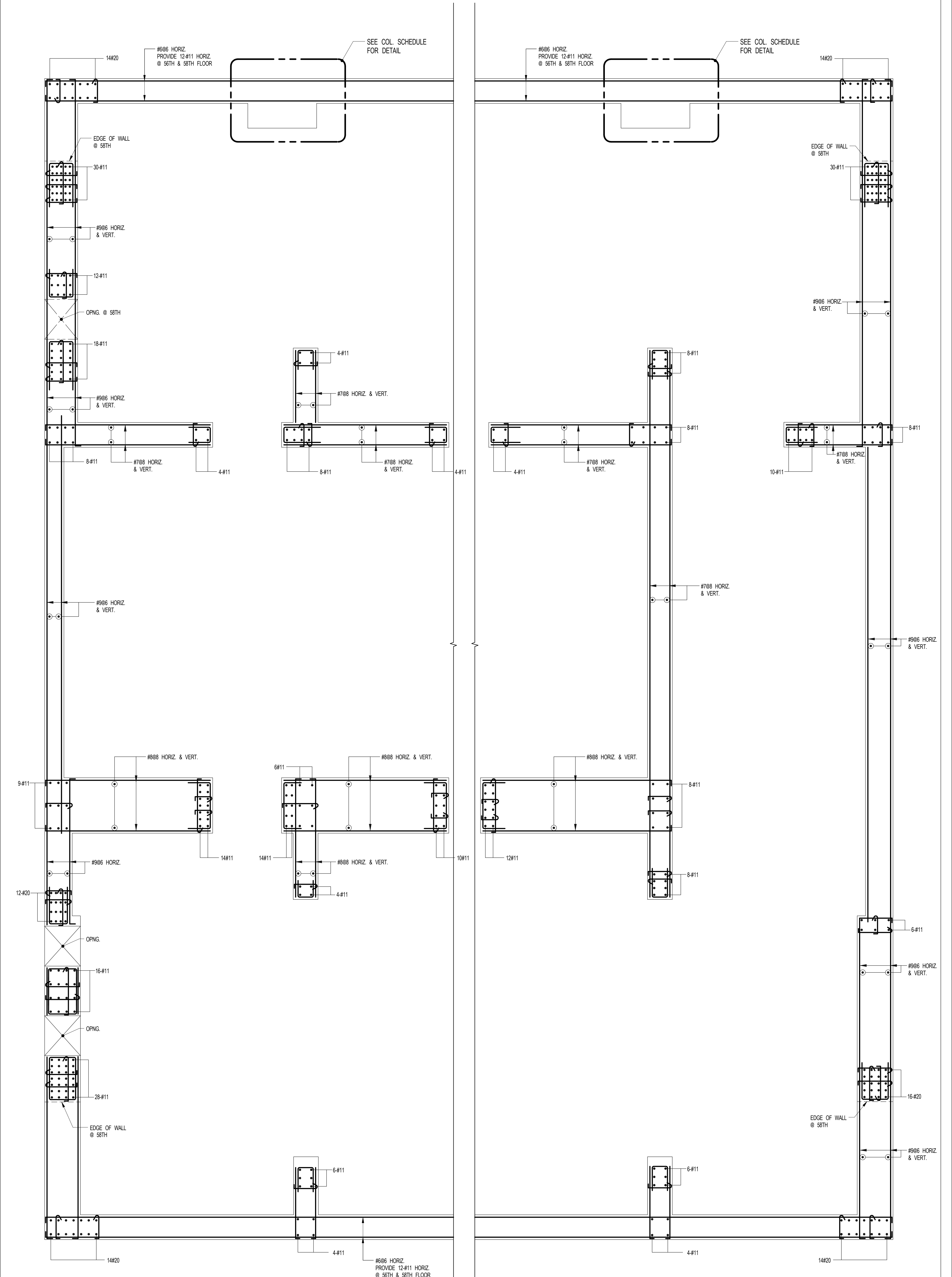
CURRENT ISSUE



111 WEST 57TH STREET
111 WEST 57TH STREET



1 SHEARWALL REINFORCEMENT PLAN - 45TH - U/S OF 56TH FLOORS
S-945 SCALE: 3/8" = 1'-0"



2 SHEARWALL REINFORCEMENT PLAN - 56TH - U/S OF 58TH FLOOR
S-945 SCALE: 3/8" = 1'-0"

- NOTES
1. FOR DIMENSIONS AND SIZES SEE CORRESPONDING PLANS.
 2. #11 BARS SHALL BE GRADE 75.
 3. #20 BARS SHALL BE GRADE 97.
 4. FOR TYP. DETAILS & TABLES SEE S-940.

1	03.27.15	DOB PAA
	01.14	DOB FILING SET
NO.	DATE	REVISION

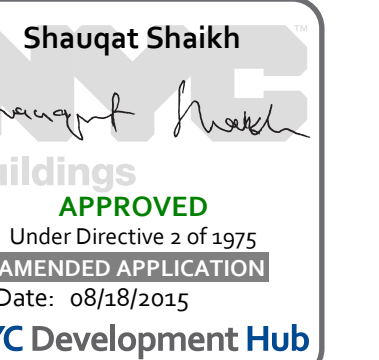
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DRAWING TITLE
SHEARWALL REINFORCEMENT PLAN - 45TH - U/S OF 56TH FLOOR

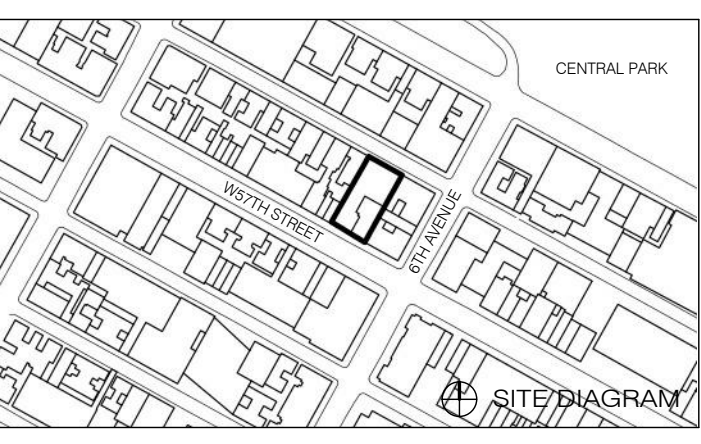
SEAL & SIGNATURE	DATE	01.14
	PROJECT NO.	1310140
	DRAWN BY	CAOD
	CHECKED BY	CL
	DOB NO.	
	DRAWING NUMBER	



S-945.01



111 WEST 57TH STREET
111 WEST 57TH STREET



1	3.27.15	DOB PAA
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NO.	DATE	REVISION

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● NOT FOR CONSTRUCTION

SHEARWALL REINFORCEMENT PLAN - 58TH - U/S OF 80TH FLOOR

SEAL & SIGNATURE DATE 3.27.15

PROJECT NO. 1310140

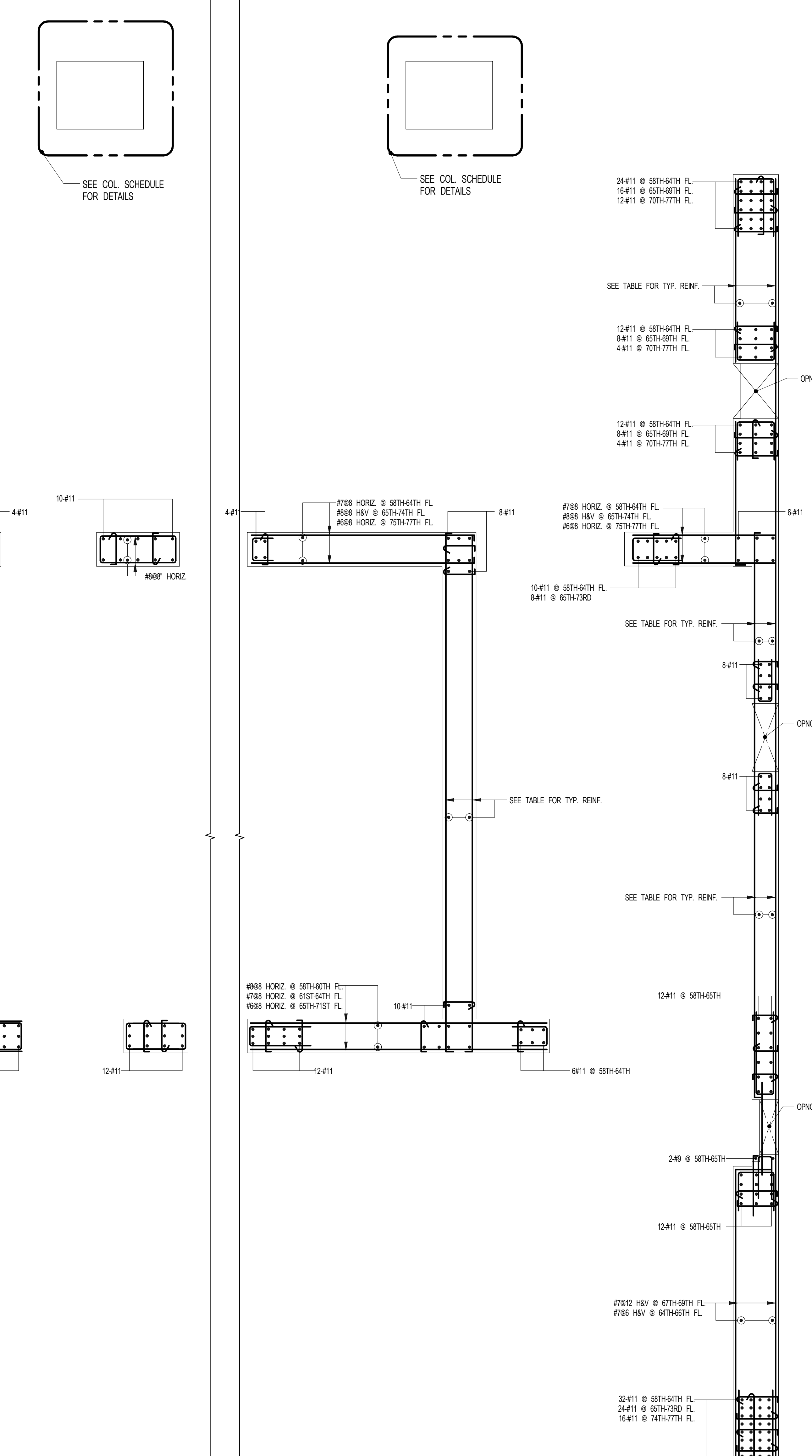
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CHECKED BY CL

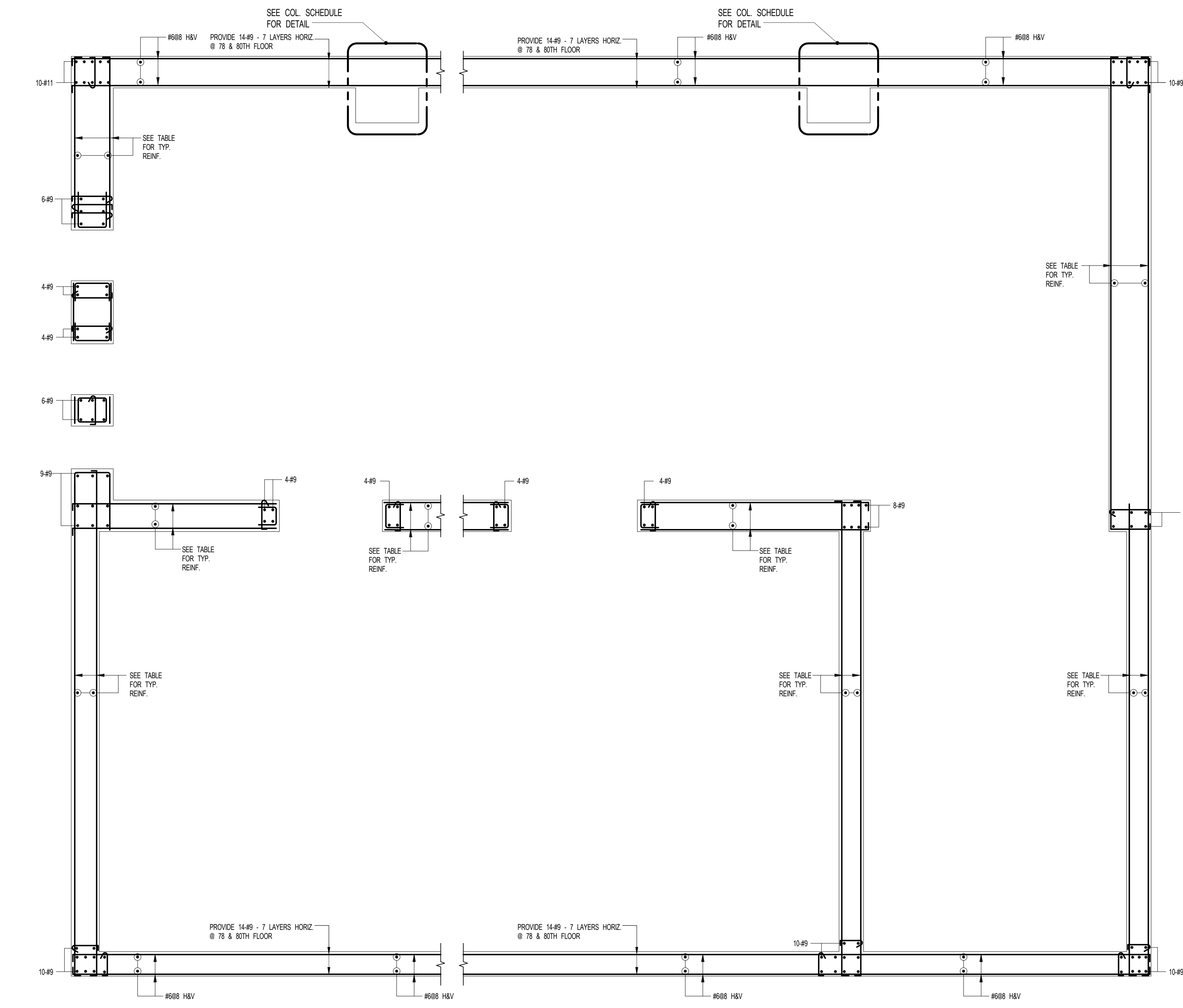
DOB NO. 0975

DRAWING NUMBER S-946.00

1310140-58207

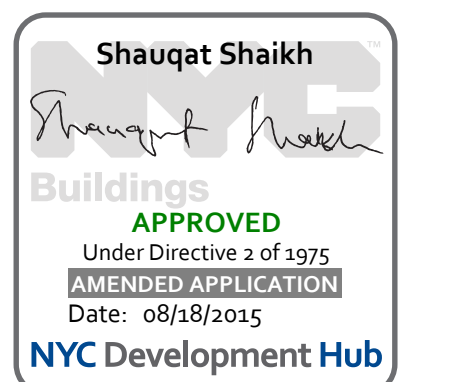


1 SHEARWALL REINFORCEMENT PLAN - 58TH - U/S OF 78TH FLOOR
S-946 SCALE: 3/8" = 1'-0"

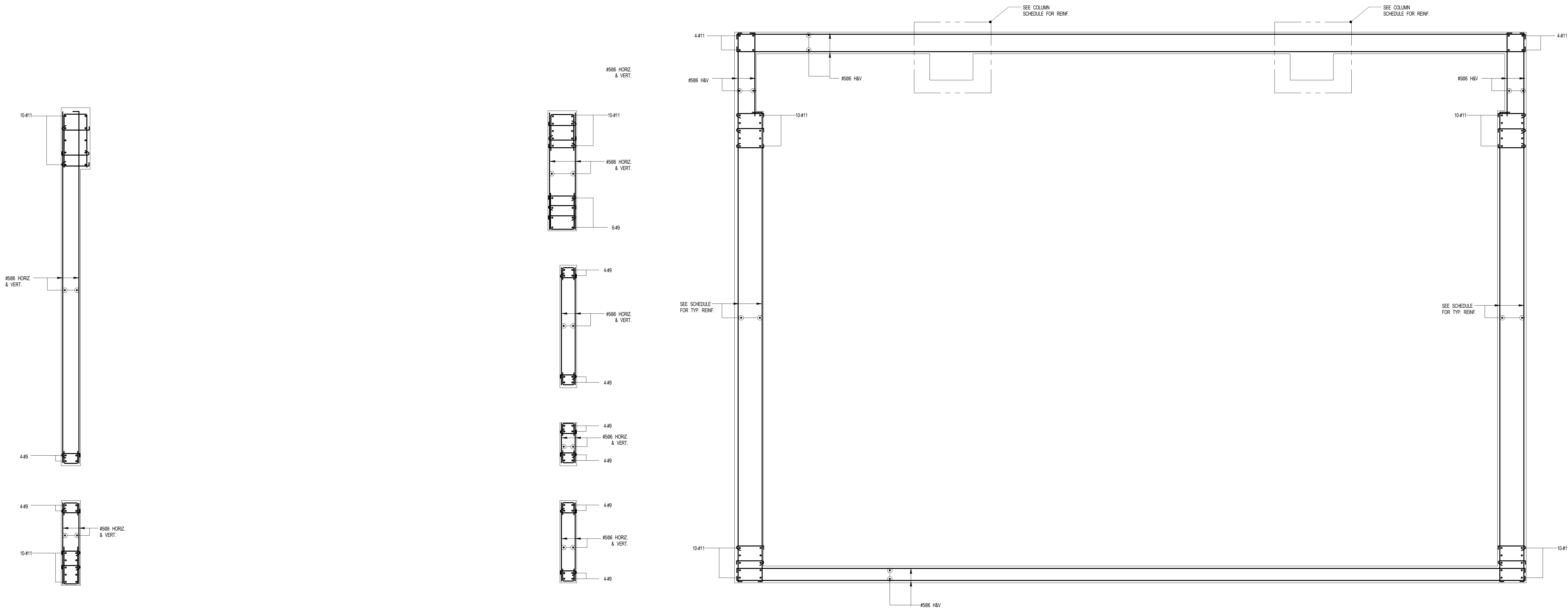
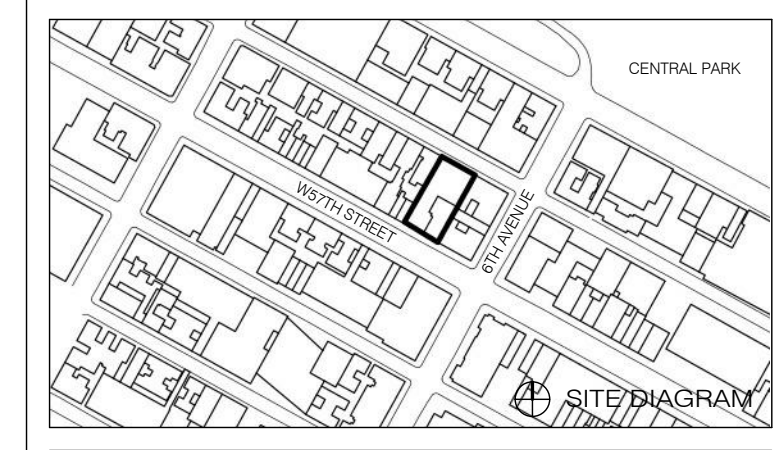


2 SHEARWALL REINFORCEMENT PLAN - 78TH - U/S OF 80TH
S-946 SCALE: 3/8" = 1'-0"

- NOTES
- FOR DIMENSIONS AND SIZES SEE CORRESPONDING PLANS.
 - #11 BARS SHALL BE GRADE 75.
 - #20 BARS SHALL BE GRADE 97.
 - FOR TYP. DETAILS & TABLES SEE S-946.



111 WEST 57TH STREET
111 WEST 57TH STREET



1 SHEARWALL REINFORCEMENT PLAN - 80TH - U/S OF 81ST FLOOR
S-947 SCALE: 3/8" = 1'-0"

2 SHEARWALL REINFORCEMENT PLAN - 81ST - TO U/S OF 85TH FLOOR
S-947 SCALE: 3/8" = 1'-0"

- NOTES:
1. FOR DIMENSIONS AND SIZES SEE CORRESPONDING PLANS.
2. #11 BARS SHALL BE GRADE 75.
3. #32 BARS SHALL BE GRADE 87.
4. FOR TYP. DETAILS & TABLES SEE S-948.

NO.	DATE	REVISION
1	3.27.15	DOB PRA

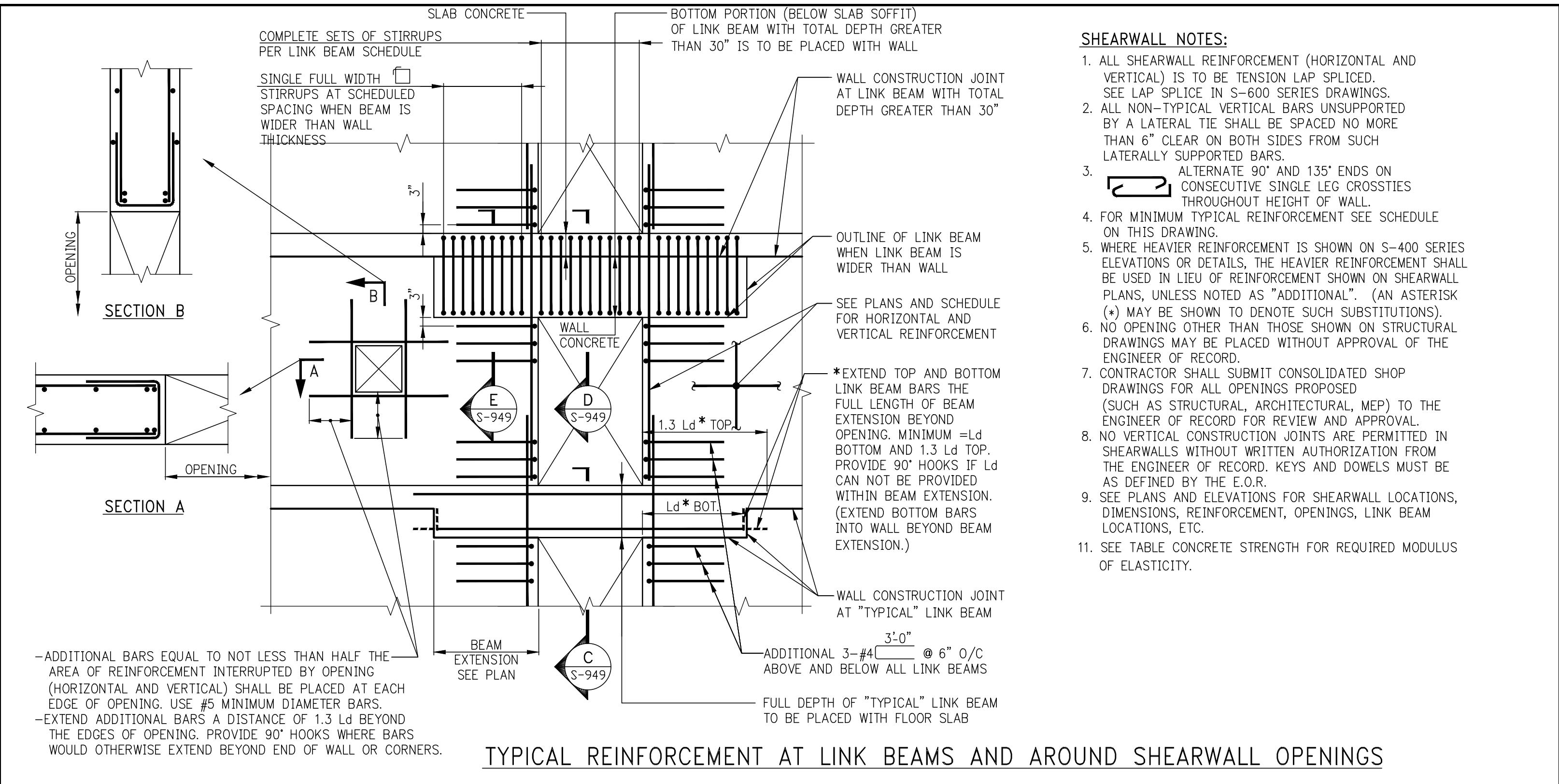
● NOT FOR CONSTRUCTION

DRAWING TITLE
SHEARWALL REINFORCEMENT PLAN - 8TH - U/S OF 85TH FLOOR

SEAL & SIGNATURE DATE 3.27.15
PROJECT NO. 1310140
DRAWN BY CADD
CHECKED BY CL
DOB NO.
DRAWING NUMBER



S-947.00

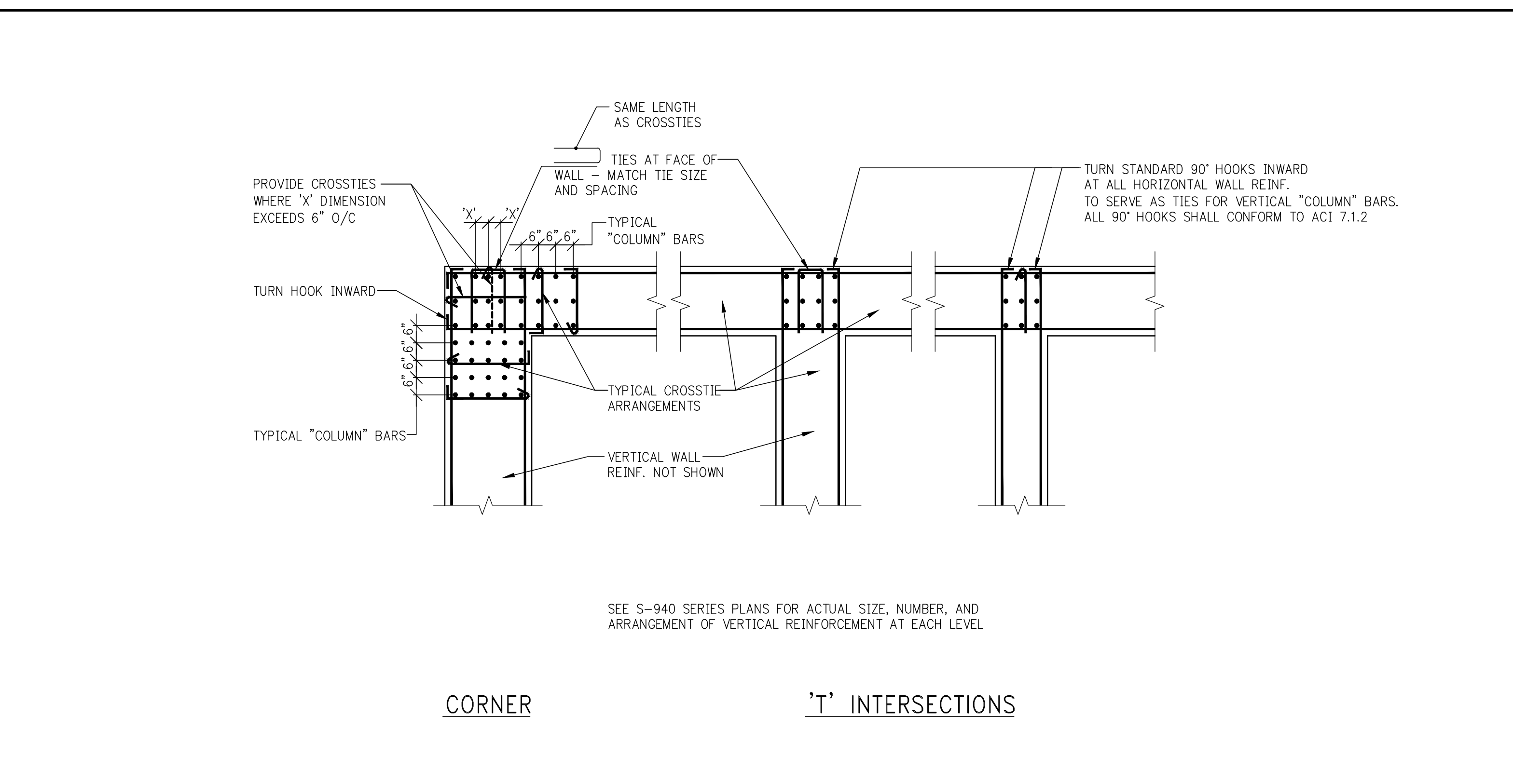
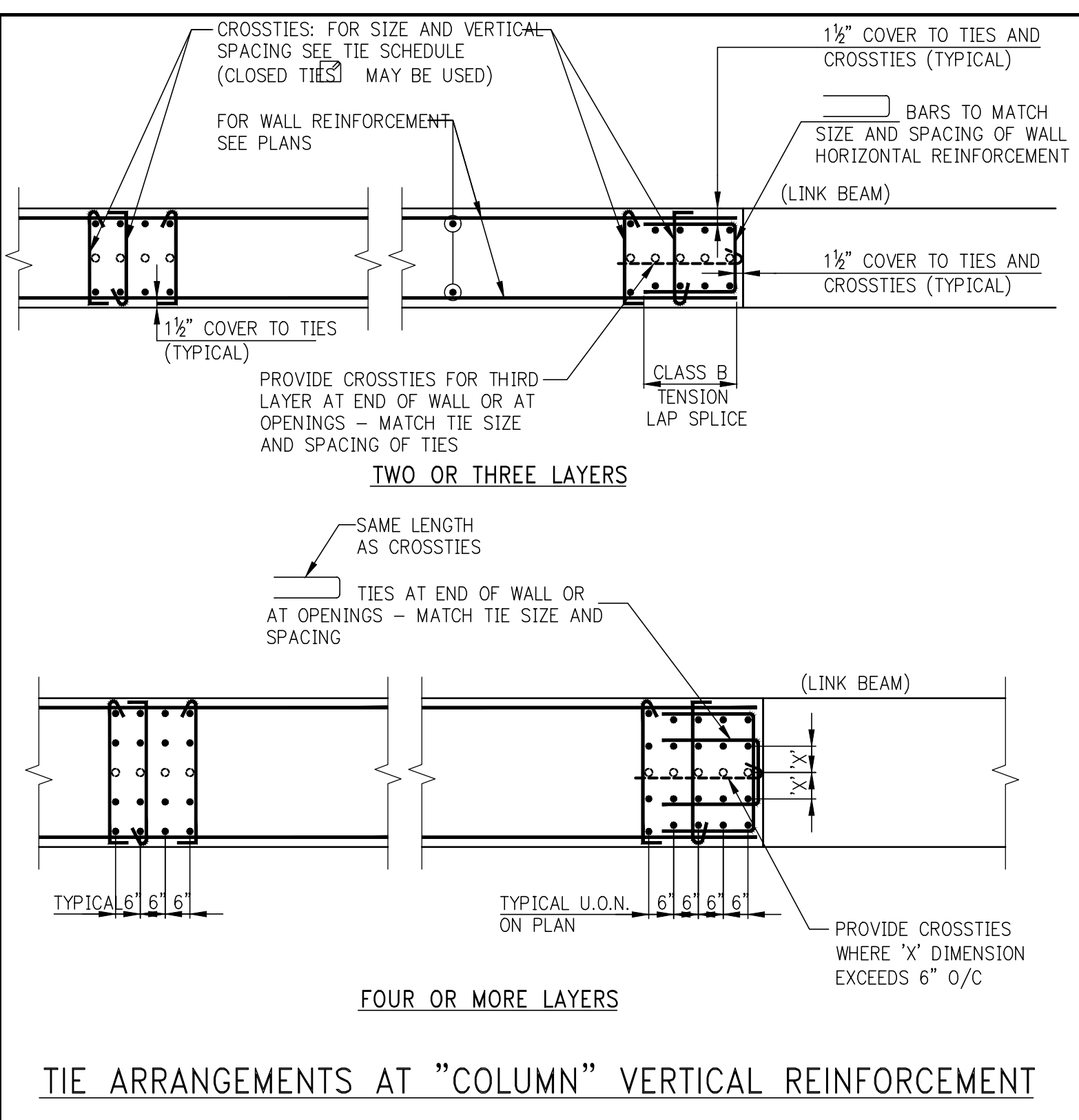


- SHEARWALL NOTES:**
- ALL SHEARWALL REINFORCEMENT (HORIZONTAL AND VERTICAL) IS TO BE TENSION LAP SPLICED. SEE LAP SPLICE IN S-600 SERIES DRAWINGS.
 - ALL NON-TYPICAL VERTICAL BARS UNSUPPORTED BY A LATERAL TIE SHALL BE SPACED NO MORE THAN 6" CLEAR ON BOTH SIDES FROM SUCH LATERALLY SUPPORTED BARS.
 - ALTERNATE 90° AND 135° ENDS ON CONSECUTIVE SINGLE LEG CROSSIES 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.
 - SEE TABLE CONCRETE STRENGTH FOR REQUIRED MODULUS OF ELASTICITY.

C SECTION THROUGH LINK BEAM PLACED WITH SLAB
S-949

D SECTION THROUGH LINK BEAM WITH DEPTH >30" PLACED PARTIALLY WITH WALL
S-949

E SECTION THROUGH WALL AT LINK BEAM EXTENSION BEYOND OPENING
S-949



***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

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

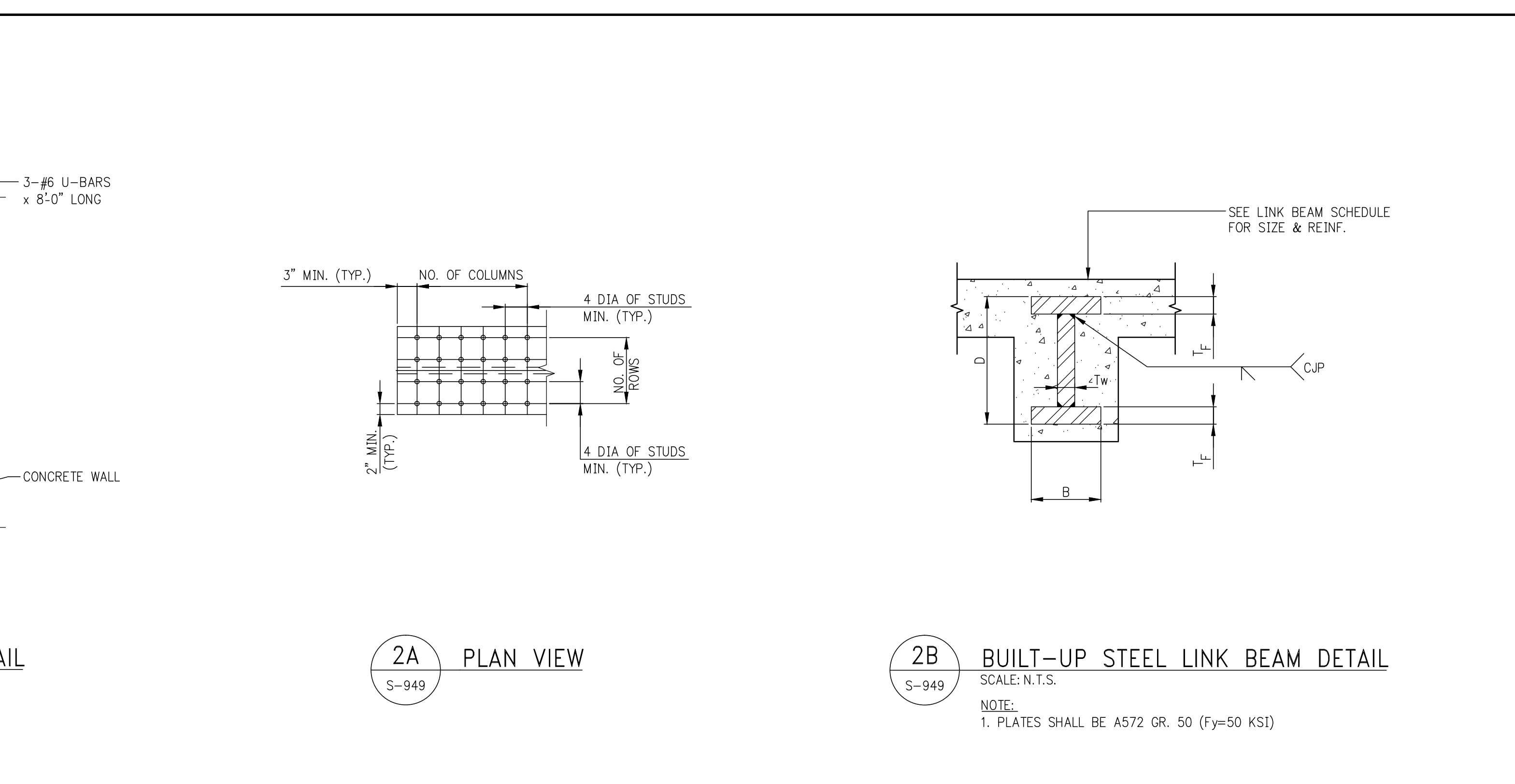
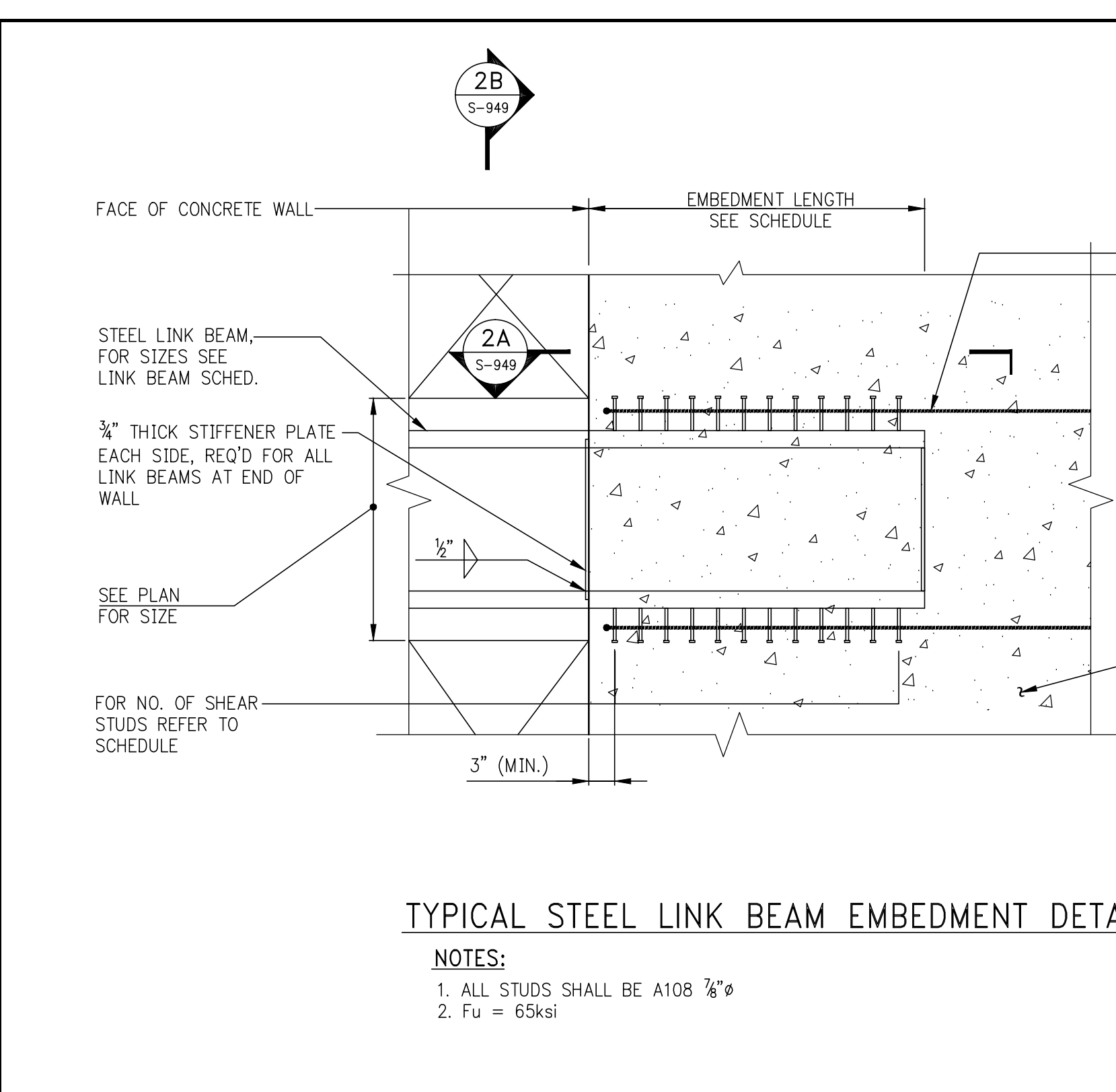
SHEARWALL CONCRETE MINIMUM REQUIREMENTS

COMPRESSIVE STRENGTH f'c (ksi)	MODULUS OF ELASTICITY E (ksi)	FLOOR
14	7100	FND - 40"
12	6600	40" - 60"
10	6000	60" - 66"
9	5700	66" - 74"
8	5350	74" - ROOF

NOTE: COLUMN CONCRETE STRENGTH REQUIRED AT EACH LEVEL IS DEFINED ON THE COLUMN SCHEDULE(S) IN THE S-500 SERIES DRAWINGS.

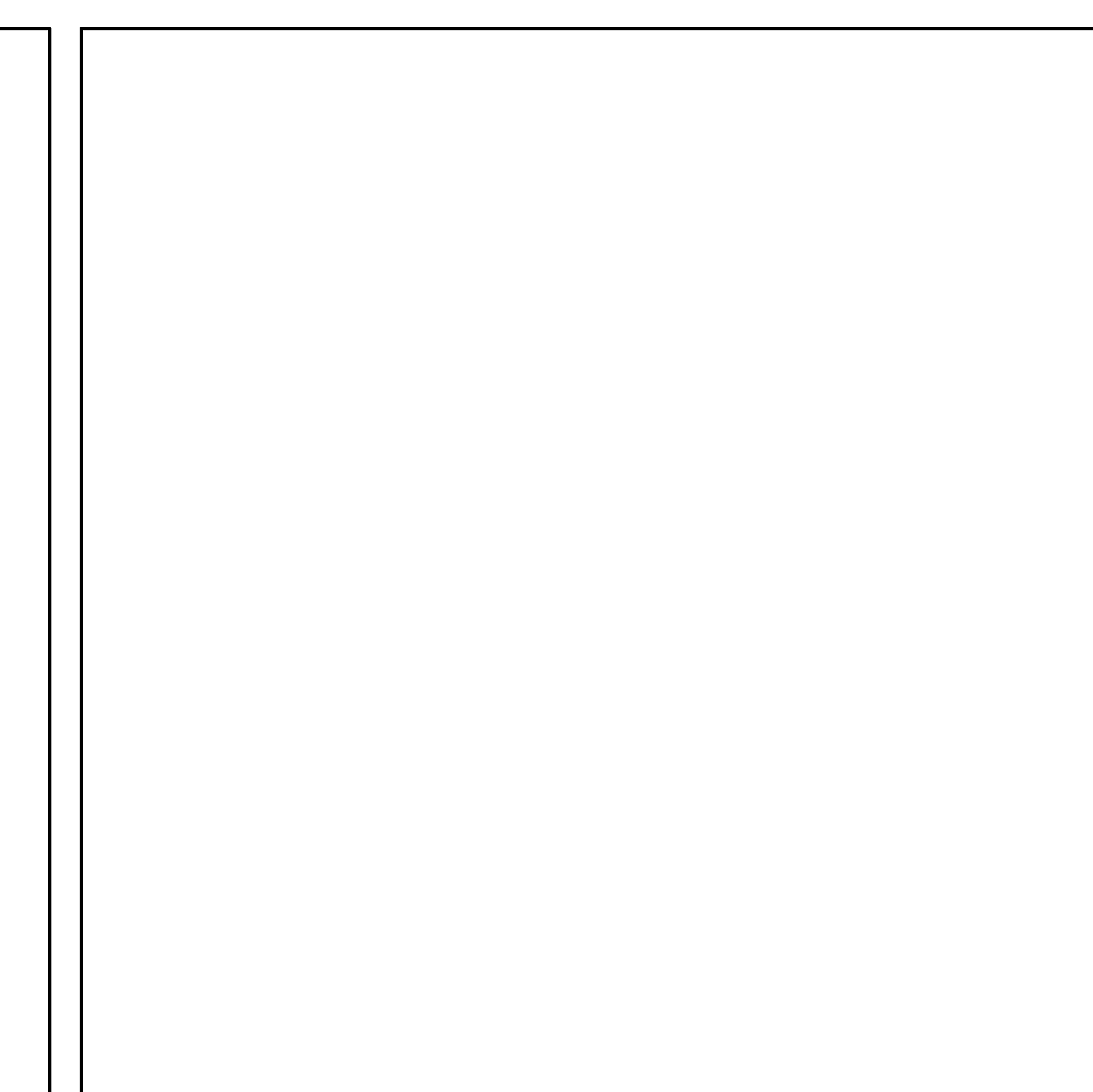
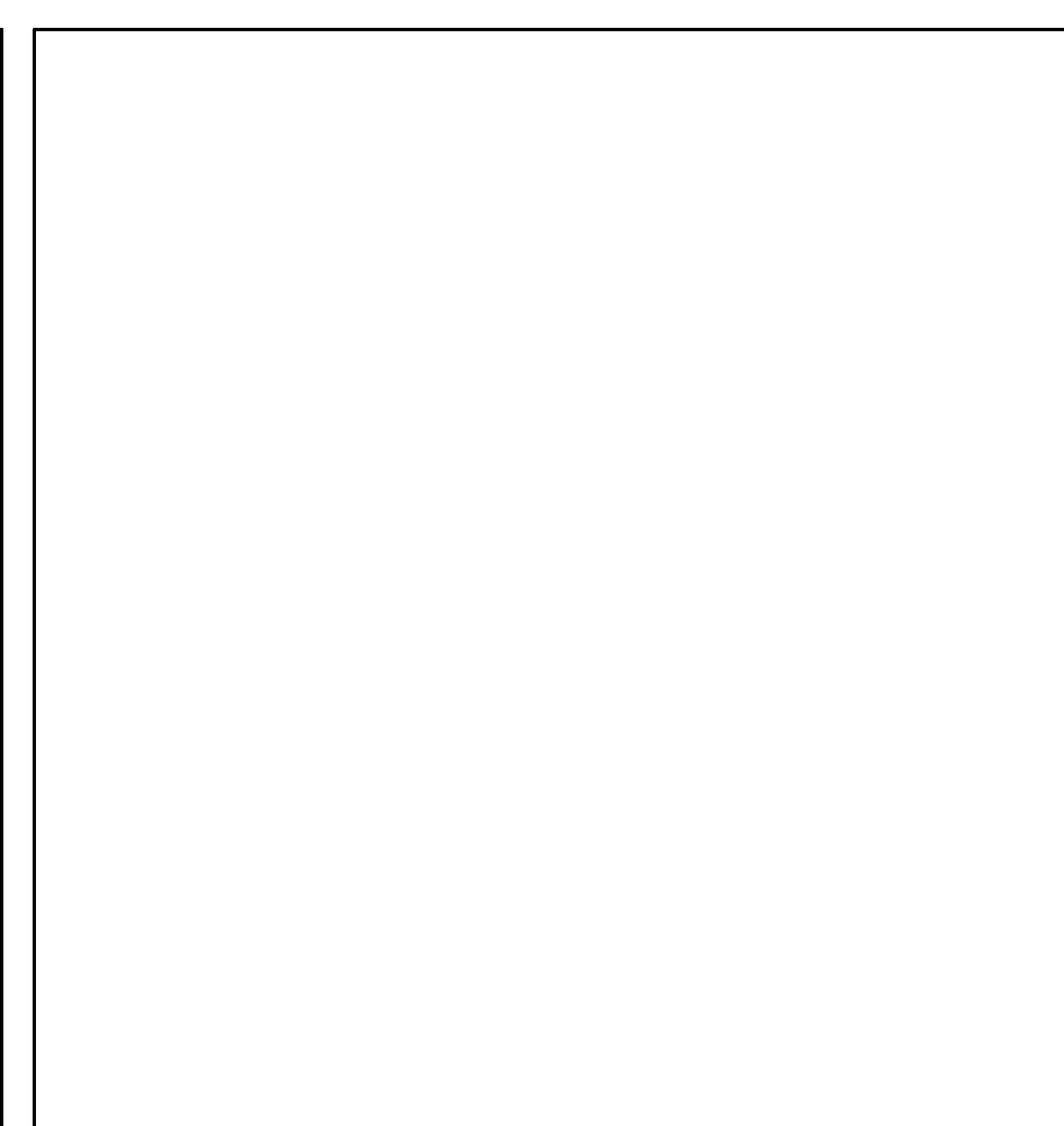
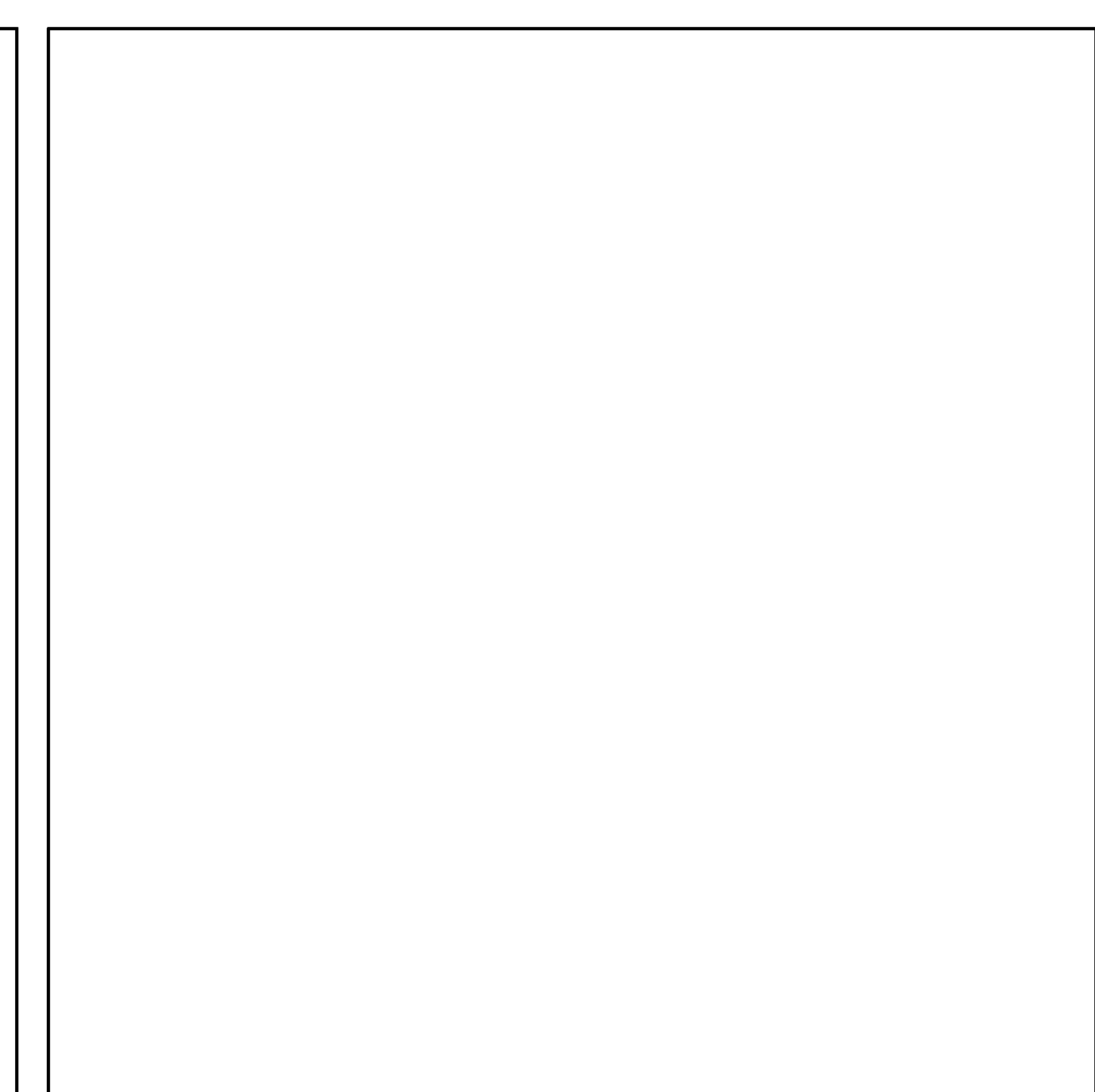
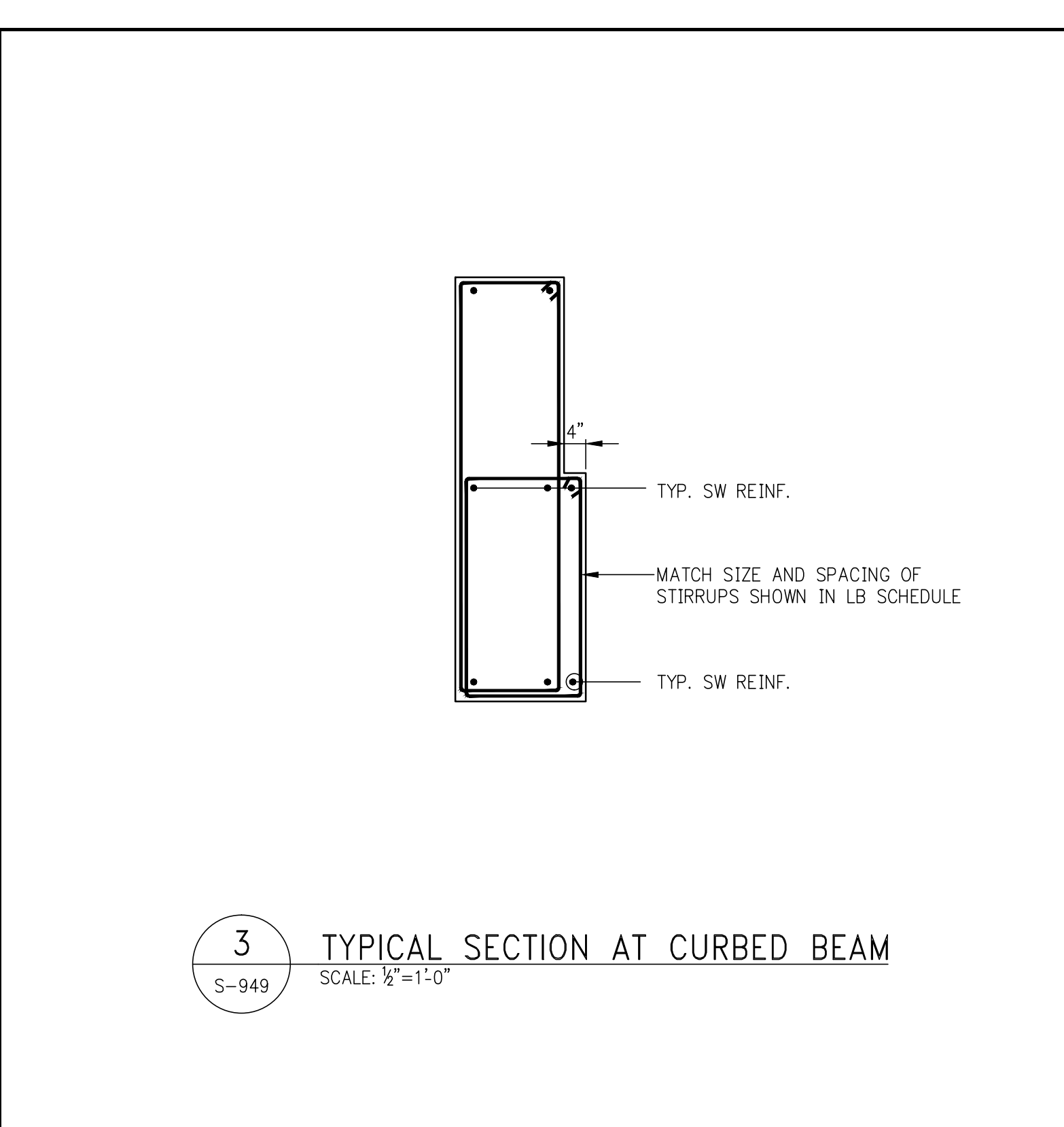
*THE REINFORCEMENT SHOWN IN THIS TABLE IS THE MINIMUM AMOUNT THAT MUST BE PROVIDED. HEAVIER REINFORCEMENT AND "ADDITIONAL" REINFORCEMENT MAY BE CALLED FOR ON PLANS, ELEVATIONS, OR IN SECTIONS AND DETAILS.

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

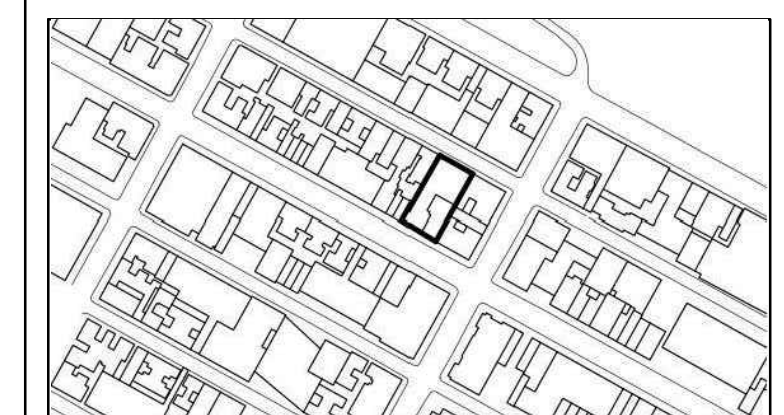


BUILT-UP STEEL SECTION TABLE

BEAM/FLOOR	Df (in)	Bf (in)	Tf (in)	Tw (in)	Row	Column	Total	Development Length	Remark
BU1	28	10	2.25	1	2	11	22	5'-0"	
BU2	48	8	1.5	1	2	10	20	5'-0"	
BU3	48	8	2	1	2	13	26	6'-0"	
BU5	10	16	1.5	1	4	8	32	4'-0"	
BU6		W14 X 342			2	11	22	5'-0"	CUT THE FLANGE TO 10" WIDE ON EACH SIDE
BU8		W14 X 426			3	10	30	4'-0"	
BU9	20	18	1.5	2	4	12	48	5'-0"	
BU10		W14K 211			2	9	18	4'-0"	CUT THE FLANGE TO 10" WIDE ON EACH SIDE
BU11		W14 X 233			4	8	32	4'-0"	
BU13		W24 X 306			2	10	20	4'-0"	CUT THE FLANGE TO 10" WIDE ON EACH SIDE
BU15		W24 X 279			2	9	18	4'-0"	CUT THE FLANGE TO 10" WIDE ON EACH SIDE
BU20		W24 X 200			2	9	18	4'-0"	CUT THE FLANGE TO 10" WIDE ON EACH SIDE
BU22	58	24	5.75	2.5	6	15	120	6'-0"	90 STUDS ON TOP AND 80 STUDS AT BOTTOM OF EACH FLANGE
BU27	38	14	1.5	1.25	3	11	33	5'-0"	
BU28		W18 X 258			3	8	24	4'-0"	
BU29		W18 X 158			2	8	16	4'-0"	
BU30	44	10	1.75	1	2	11	22	5'-0"	
BU31		W16 X 100			2	8	16	4'-0"	
BU35	40	12	2.5	1.5	3	11	33	6'-0"	
BU36	60	12	3	2.75	3	15	90	7'-0"	45 STUDS ON TOP AND 45 STUDS AT BOTTOM OF EACH FLANGE
BU37		W36 X 256			2	10	20	4'-0"	CUT THE FLANGE TO 10" WIDE ON EACH SIDE
BU38	70	18	3.5	1.5	5	13	65	6'-0"	
BU39	36	8	1.5	1.25	2	7	24	3'-0"	14 STUDS ON TOP AND 10 STUDS AT BOTTOM OF EACH FLANGE
BU40		W16 X 100			2	6	12	3'-0"	
BU42	32	10	3	1.25	2	15	30	7'-0"	
NBU1	30	0.75	0.75	0.75	4	5	40	5'-0"	20 STUDS ON EACH SIDE OF PLATE
NBU2	30	1.5	1.5	1.5	4	9	72	5'-0"	36 STUDS ON EACH SIDE OF PLATE



111 WEST 57TH STREET
111 WEST 57TH STREET
NEW YORK, NY 10019



NO.	DATE	REVISION
1	2015	DOB PAA

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DRAWING TITLE
TYPICAL SHEARWALL DETAILS (PREVIOUSLY S-945)

SEAL & SIGNATURE: [Signature]

DATE: 07/16/15

PROJECT NO.: 1310140

DRAWN BY: CAD

CHECKED BY: CL

DOB NO.: 121330060

DRAWING NUMBER: S-949.01

SHEET XX OF XX

COLUMN SCHEDULE

FLOOR	COL. NO	1	2	3	4	5	6	7	8	9	10
CONTINUED											
34TH (MECHANICAL)	$f_c = 14000 \text{ psi}$	15319	14962								
33RD		16077	15668								
32ND		16251	15831								
31ST		16424	15993								
30TH		16593	16149								
29TH		16763	16306								
28TH		16929	16440								
27TH		17096	16610								
26TH		17260	16756								
25TH		17418	16897								
24TH		17573	17036								
23RD		17723	17181								
22ND		17866	17333								
21ST		18004	18494								
20TH		18140	18164								
19TH (MECHANICAL)		18267	18268	185	176						
18TH (MECHANICAL)		18561	18655	4736	5368						
17TH (MECHANICAL)		18664	18862	7873	8337						
16TH (MECHANICAL)		18926	19216	10669	9492						
15TH (MECHANICAL)		19140	19440	10726	9545						
14TH		19556	19856	11496	10337						
13TH		19935	20247	11775	10403						
12TH		20160	20471	11971	10403						
11TH		20322	20633	12141	10391						
10TH		20507	20817	12307	10343						
9TH		20616	20924	12417	10403						
8TH		20790	21082	12559	10340						
7TH (WINTER GARDEN)		20903	21198	12687	10403						
6TH (MECHANICAL)		21050	21310	12791	10318						
5TH		21165	21416	12893	10363						
4TH		21278	21522	12993	10403						
3RD		21333	21522	12993	10403						
2ND		21417	21522	12993	10403						
1ST		21522	21522	12993	10403						
CELLAR 1		21610	21610	12993	10403						
CELLAR 2		21610	21610	12993	10403						
0		21610	21610	12993	10403						
IND (service) FLOOR		21610	21610	12993	10403						

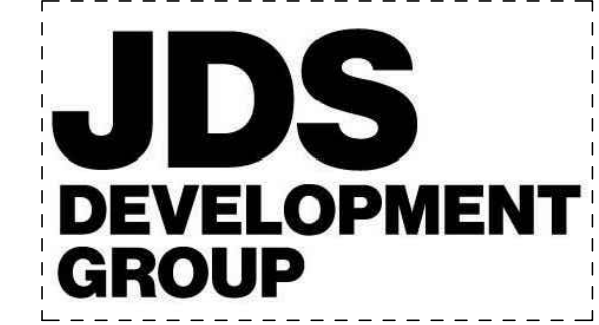
COLUMN SCHEDULE

FLOOR	COL. NO	1	2	3	4	5	6	7	8	9	10
CONTINUED											
69TH	$f_c = 9000 \text{ psi}$	6815	6665								
68TH		7058	6842								
67TH		7184	6964								
66TH		7309	7086								
65TH (OPEN)		7434	7206								
64TH		7559	7326								
63RD		7684	7446								
62ND		7809	7566								
61ST		7934	7686								
60TH		8059	7806								
59TH		8184	7926								
58TH		8309	8046								
57TH (MECHANICAL)		8434	8166								
56TH (MECHANICAL)		8559	8286								
55TH		8684	8406								
54TH		8809	8526								
53RD		8934	8646								
52ND		9059	8766								
51ST		9184	8886								
50TH		9309	9006								
49TH		9434	9126								
48TH		9559	9246								
47TH (MECHANICAL)		9684	9366								
46TH		9809	9486								
45TH (OPEN)		9934	9606								
44TH		10059	9726								
43RD		10184	9846								
42ND		10309	9966								
41ST		10434	10086								
40TH		10559	10206								
39TH		10684	10326								
38TH		10809	10446								
37TH		10934	10566								
36TH		11059	10686								
35TH (MECHANICAL)		11184	10806								
CONTINUED FLOOR											

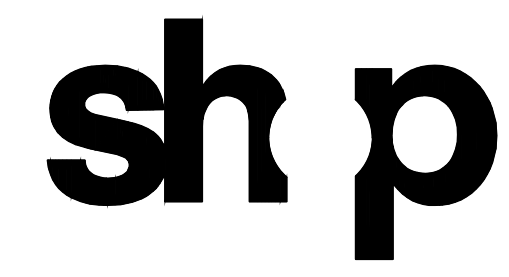
COLUMN SCHEDULE

FLOOR	COL. NO	1	2	3	4	5	6	7	8	9	10
85TH (ROOF)	$f_c = 8000 \text{ psi}$	1266	1261								
84TH (DAMPER)		1365	1326								
83RD (DAMPER)		1464	1426								
82ND (DAMPER)		1563	1526								
81ST (EMR)		1662	1626								
80TH (OPEN)		1761	1726								
79TH (EMR)		1860	1826								
78TH (MECHANICAL)		1959	1926								
77TH		2058	2026								
76TH		2157	2126								
75TH		2256	2226								
74TH		2355	2326								
73RD		2454	2426								
72ND		2553	2526								
71ST		2652	2626								
70TH		2751	2726								
CONTINUED FLOOR											

- NOTES:
- FIRST COLUMN DIMENSION SHOWN IN SCHEDULE IS IN THE EAST-WEST DIRECTION.
 - LOADS ON PILE CAPS ARE SERVICE LOADS IN KIPS.
 - LOADS ARE GIVEN IN KIPS, AND ARE ULTIMATE LOADS U.O.N.
 - FOR CONCRETE STRENGTH REQUIRED SEE COLUMN SCHEDULES.
 - COLUMN SIZES AND REINFORCEMENT ARE SHOWN ONLY WHERE SIZES START AND STOP. BLANK SPACES IN BETWEEN INDICATE SAME SIZE AS INDICATED ABOVE AND BELOW.
 - HEAVY LINE AT TOP INDICATES TOP OF COLUMN.
 - FOR GENERAL NOTES SEE DWG. S1-001
 - FOR SHEARWALL DETAILS SEE S-940 SERIES DRAWINGS.
 - FOR COLUMN AND REINFORCING DETAILS SEE S-950 SERIES DRAWINGS.
 - BUTRESS INDICATED AS "B" IN COLUMN SCHEDULE.
 - ALL REBAR TO BE TENSION SPLICED OR USE MECHANICAL COUPLERS.
 - INDICATE SHEARWALLS.
 - INDICATES COLUMN BEING PICKED UP BY BEAM OR SLAB.
 - INDICATES CHANGES IN HELD FACE OF COLUMN.
 - INDICATES BEGINNING AND ENDING OF MECHANICAL COUPLERS. SEE TYPICAL DETAIL ON DWG. S-956.



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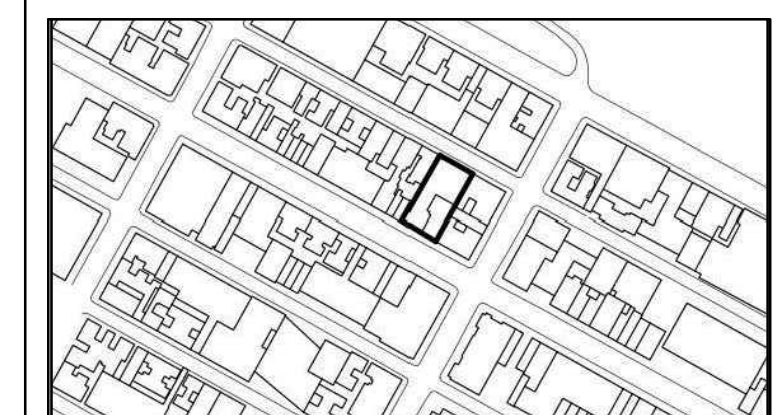
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2	5/1/24	DOOR/PLUMBING SET

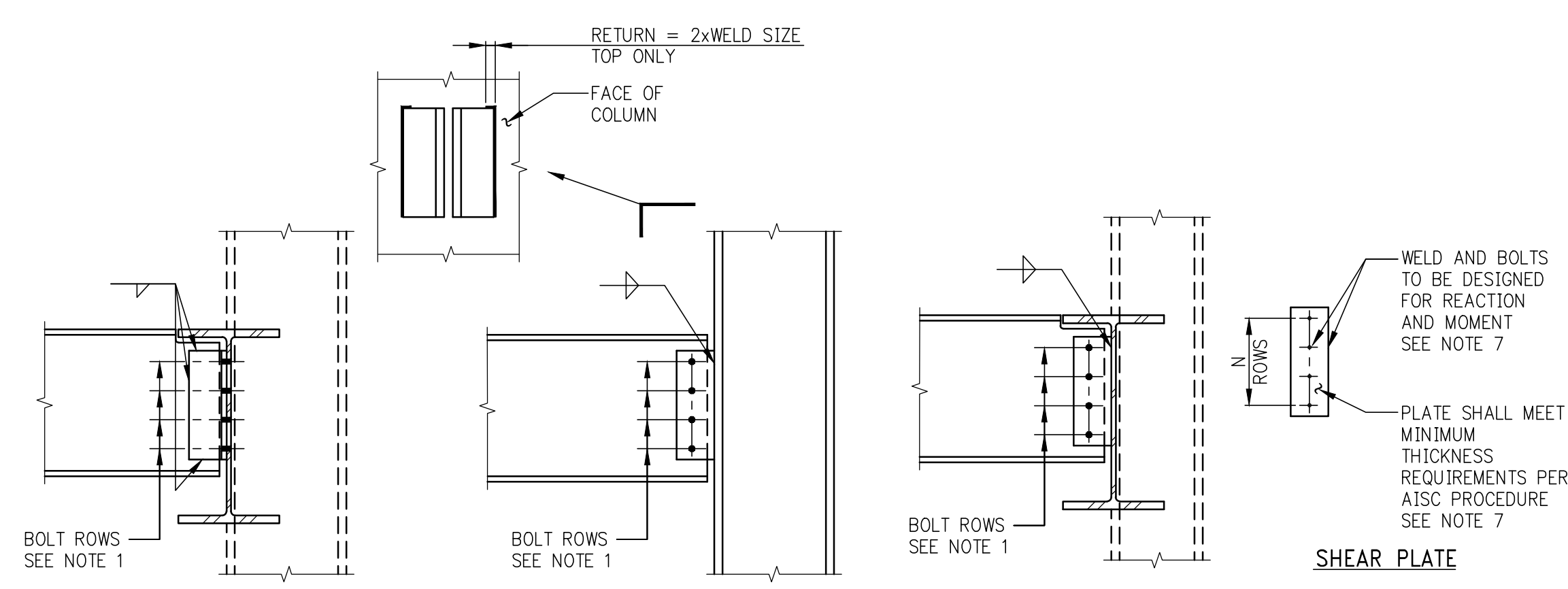
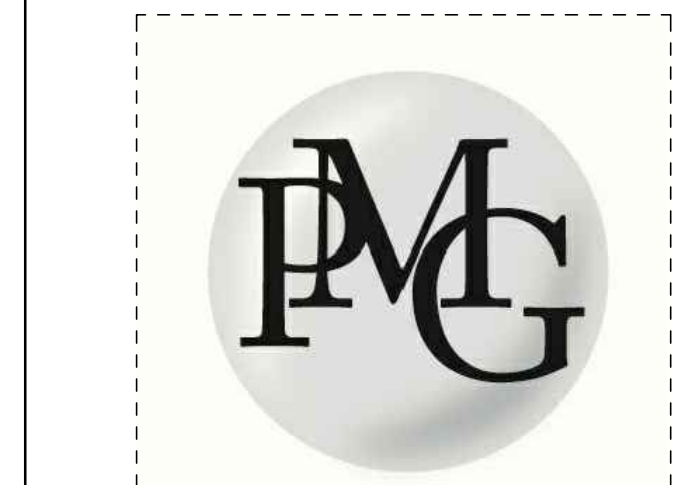
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CONCRETE COLUMN SCHEDULE

SEAL & SIGNATURE: DATE: 07/16/25
PROJECT NO.: 1310140
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CHECKED BY: CL
DOB NO.: 121330968
DRAWING NUMBER



S-955.01
SHEET XX OF XX



CONNECTION WELDED TO BEAMS BOLTED TO COLUMN OR GIRDER
CONNECTION BOLTED TO BEAM WELDED TO COLUMN
CONNECTION BOLTED TO BEAMS WELDED TO COLUMN OR GIRDER

DOUBLE ANGLE CONNECTIONS TO BEAM OR COLUMN
NOTE: CONNECTION SIMILAR WHEN CONNECTING TO GIRDER OR COLUMN (SHOWN AS DASHED LINE)

SHEAR PLATE CONNECTIONS TO BEAM OR COLUMN
NOTE: CONNECTION SIMILAR WHEN CONNECTING TO GIRDER OR COLUMN (SHOWN AS DASHED LINE)

1 SIMPLE SHEAR CONNECTIONS
SCALE: 1/4"=1'-0"

(THESE CONNECTIONS MAY BE USED AT TYPE B MOMENT CONNECTIONS. FOR TYPE A MOMENT CONNECTIONS, SEE TYPE A SHEAR CONNECTIONS IN DWG. S-601.)

DESIGN OF SIMPLE SHEAR CONNECTIONS - REQUIREMENTS

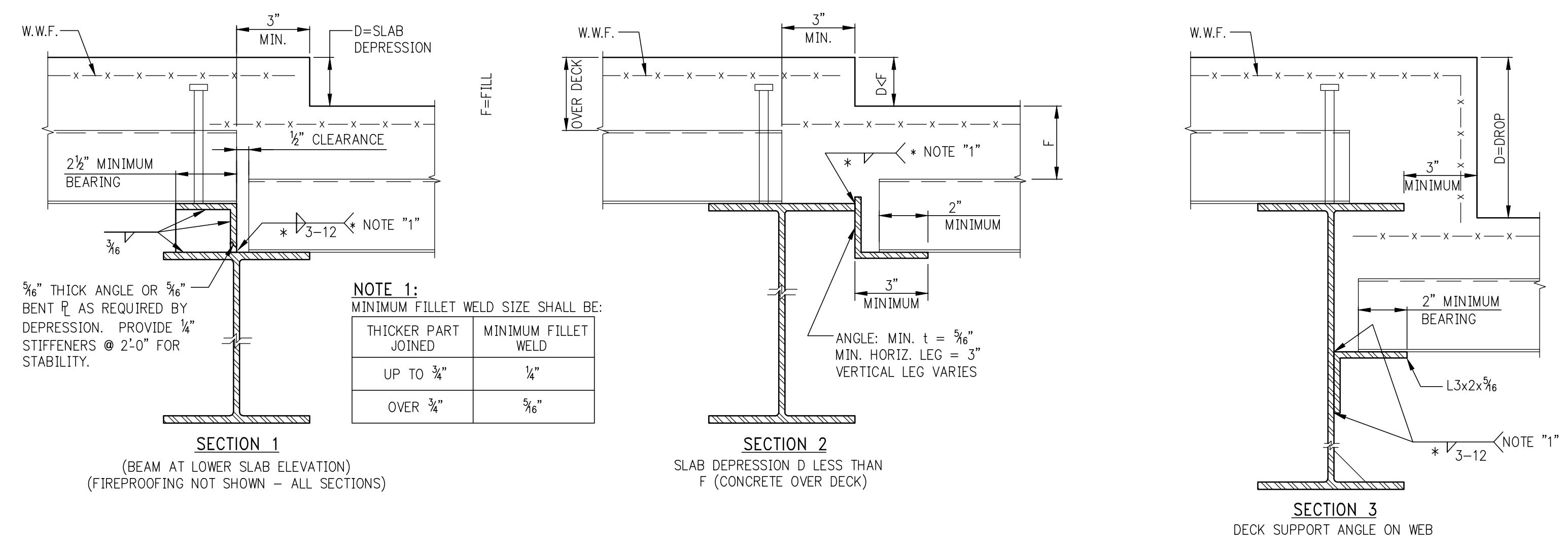
- SIMPLE SHEAR CONNECTIONS SHALL BE DESIGNED FOR THE REACTION SHOWN ON THE DRAWINGS OR THE GREATEST OF THE FOLLOWING:
 - FOR COMPOSITE BEAMS, REACTION FROM AISIc LRFD UNIFORM LOAD TABLES FOR APPLICABLE BEAM MATERIAL MULTIPLIED BY 2.0.
 - FOR NON-COMPOSITE BEAMS, REACTION FROM AISIc LRFD UNIFORM LOAD TABLES FOR APPLICABLE BEAM MATERIAL MULTIPLIED BY 1.3.
 - MINIMUM NUMBER OF BOLT ROWS AND MINIMUM CONNECTION CAPACITY, SEE TABLE 7.
 - CONNECTIONS OF BEAMS SHORTER THAN 10'-0" SHALL BE DESIGNED FOR MIN. REACTION IN TABLE 8, U.O.N. ON DWGS.
 - IN ADDITION TO THE VERTICAL SHEAR BEAM TO BEAM-END CONNECTIONS SHALL BE DESIGNED FOR THE MOST CRITICAL OF THE FOLLOWING:
 - AXIAL LOAD SHOWN ON DRAWINGS (AP) CONCOMITANT WITH THE VERTICAL SHEAR.
 - A DESIGN TENSION STRENGTH EQUAL TO THE LARGER OF THE PROVIDED SHEAR LOAD AT EITHER END BUT NOT LESS THAN 15% (LRFD), U.O.N. THE CONNECTION DESIGN FOR THIS REQUIREMENT SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF N.Y. CITY BUILDING CODE SECTIONS BC 2213.2 ITEM 3.
 - A DESIGN TENSION STRENGTH EQUAL TO THE LARGER OF THE PROVIDED SHEAR LOAD AT EITHER END BUT NOT LESS THAN 15% (LRFD), U.O.N. THE CONNECTION DESIGN FOR THIS REQUIREMENT SHALL BE IN ACCORDANCE WITH THE PROVISIONS OF N.Y. CITY BUILDING CODE SECTIONS BC 2213.2 ITEM 3.
 - BOLT TYPE SHALL BE ASTM A-325 (CONTRACTOR MAY USE A-490 BOLTS AT HIS OPTION, SUBJECT TO MINIMUM NUMBER OF BOLTS REQUIREMENT).
 - ALL BOLTS SHALL BE FULLY PRETENSIONED.
 - PROVIDE WEB REINFORCING AS REQUIRED DUE TO WEB CUTS, COPES, ETC.
 - DESIGN OF DOUBLE ANGLE AND SHEAR PLATE CONNECTIONS SHALL BE BASED UPON THE LATEST AISIc PROCEDURES SHOWN IN THE AISIc MANUAL OF STEEL CONSTRUCTION.

BEAM SIZE	"N"
W8	2
W10	2
W12	3
W14	3
W16	3
W18	4
W21	4
W24	4
W27	5
W30	5
W33	6
W36	6
W40	7
W44	7

BEAM SIZE	FACTORED LOAD (K)
W8	15
W8	20
W10	25
W12	25
W14	40
W16	45
W18	45
W21	55
W24	55
W27	65
W30	65
W33	80
W36	80
W40	90
W44	90

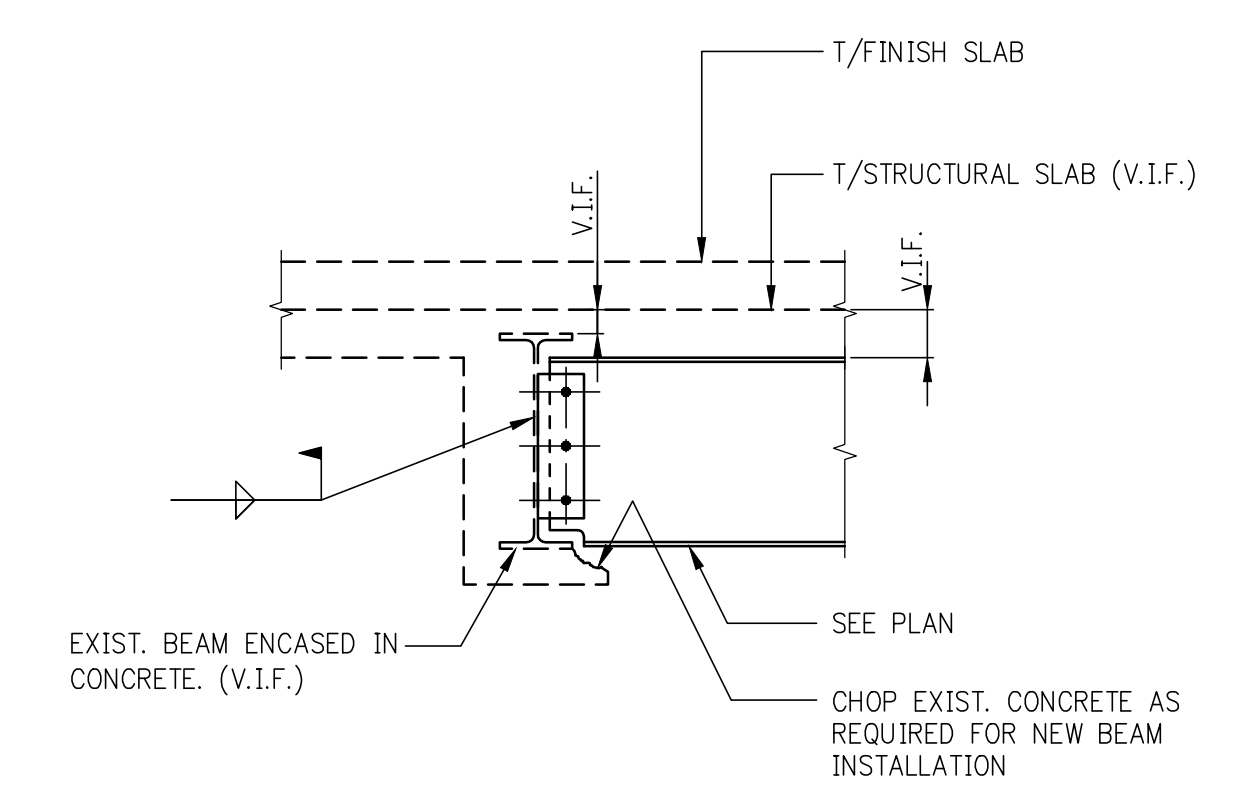
THICKER PART JOINED UP TO 3/4"	MINIMUM FILLET WELD
UP TO 3/4"	1/4"
OVER 3/4"	5/16"

"N" = MINIMUM NUMBER OF BOLTS REQUIRED PER CONNECTION THE TABULATED MINIMUM NUMBER OF BOLTS WILL GENERALLY BE EXCEEDED BY OTHER DESIGN CRITERIA.

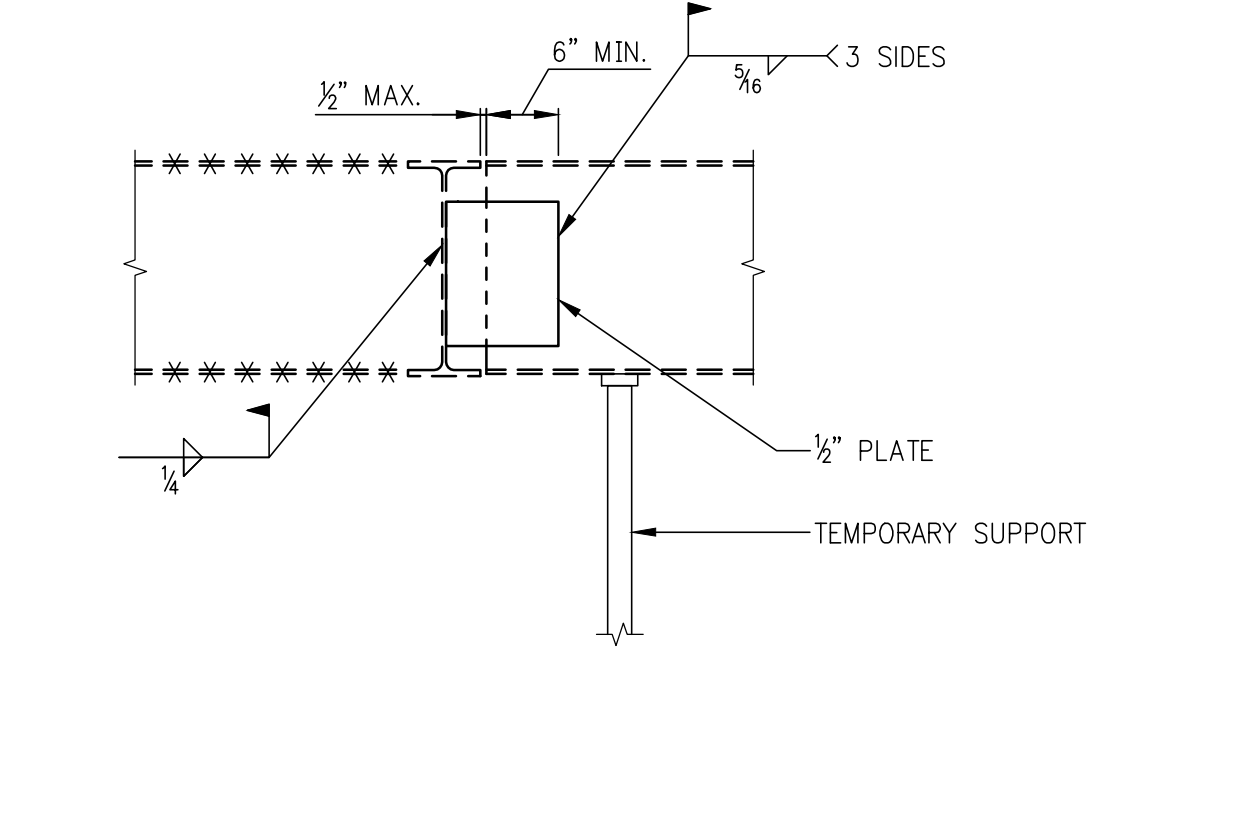


SECTION 1 (BEAM AT LOWER SLAB ELEVATION) (FIREPROOFING NOT SHOWN - ALL SECTIONS)
SECTION 2 SLAB DEPRESSION D LESS THAN F (CONCRETE OVER DECK)
SECTION 3 DECK SUPPORT ANGLE ON WEB

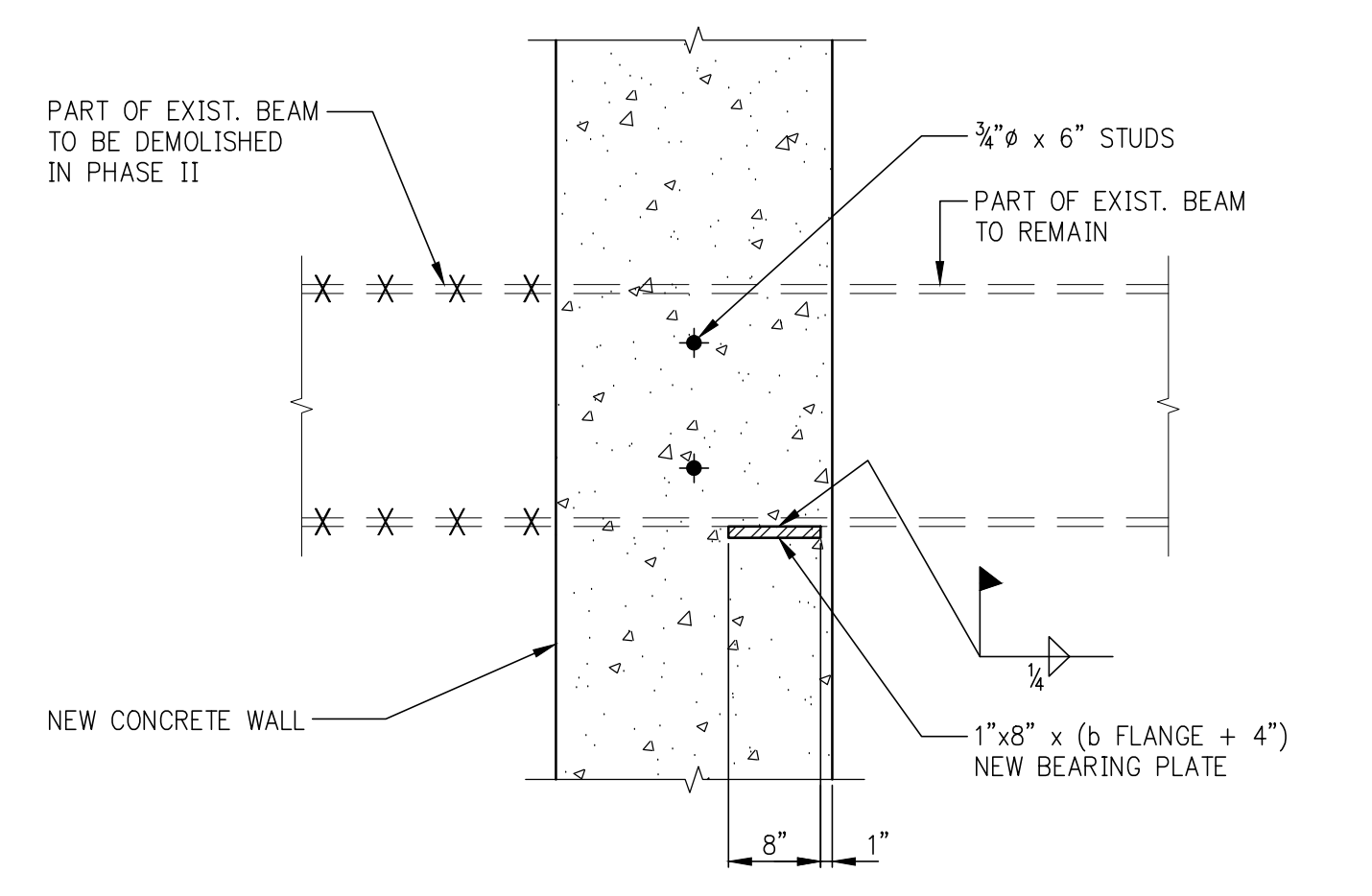
2 SLAB DEPRESSIONS ON STEEL DECK
SCALE: 1/4"=1'-0"



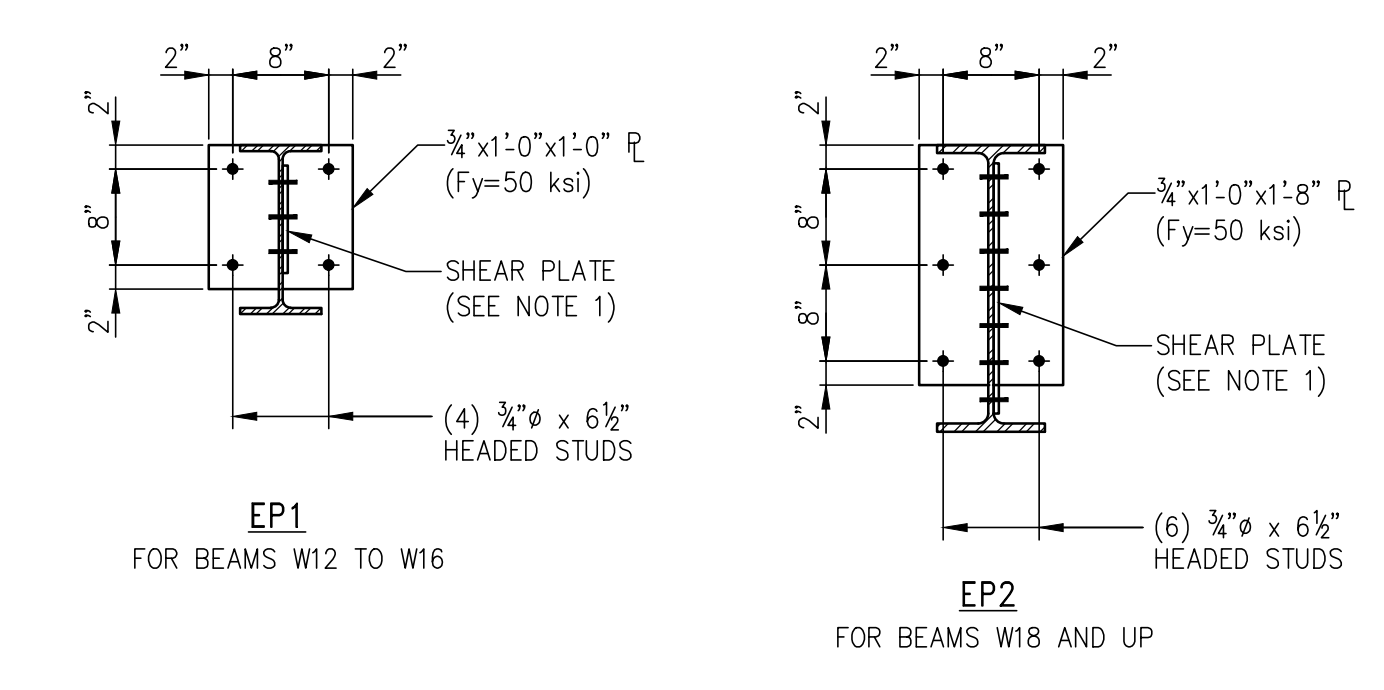
3 TYPICAL NEW BEAM TO EXISTING BEAM CONNECTION (CONNECTION IS SIMILAR)
SCALE: 1/4"=1'-0"



4 TYPICAL EXISTING BEAM RECONNECTION TO NEW BEAM (RB) (SIMILAR AT NEW COLUMN)
SCALE: 1/4"=1'-0"

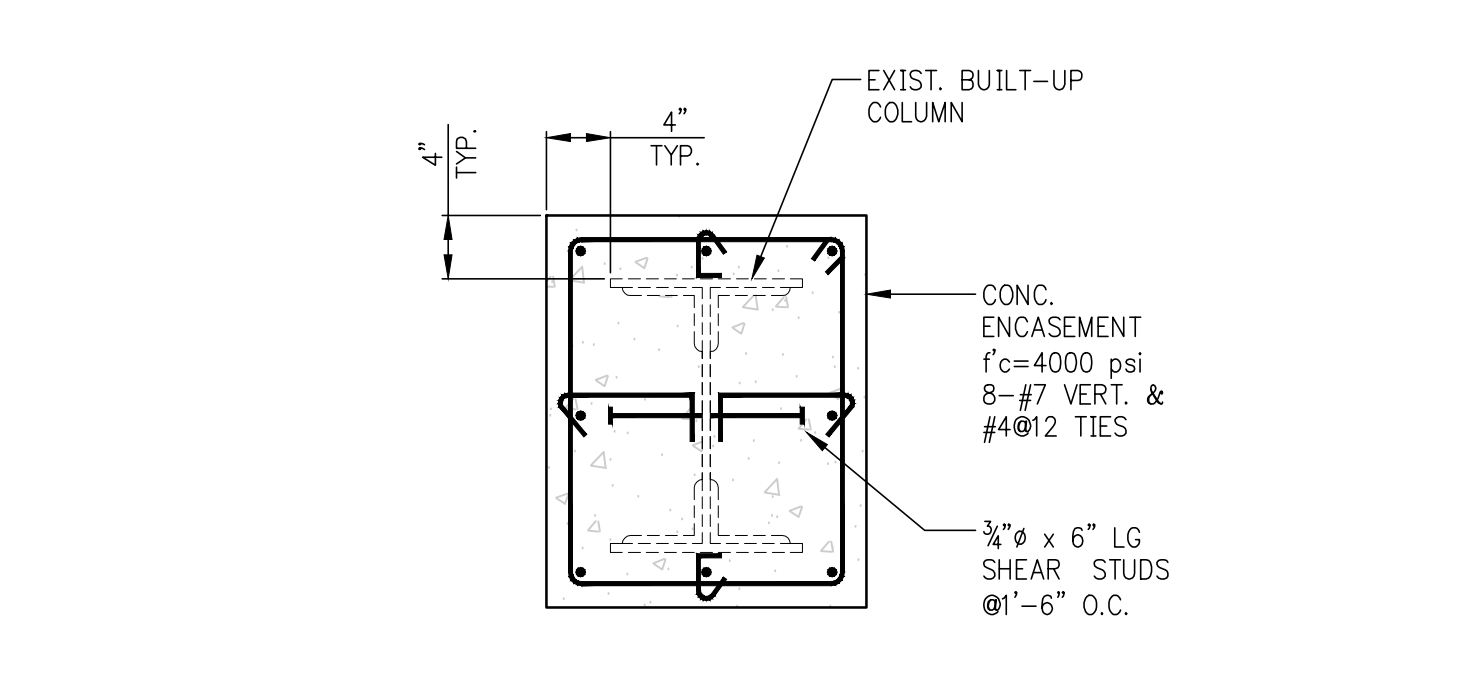


5 SECTION
SCALE: 1/4"=1'-0"

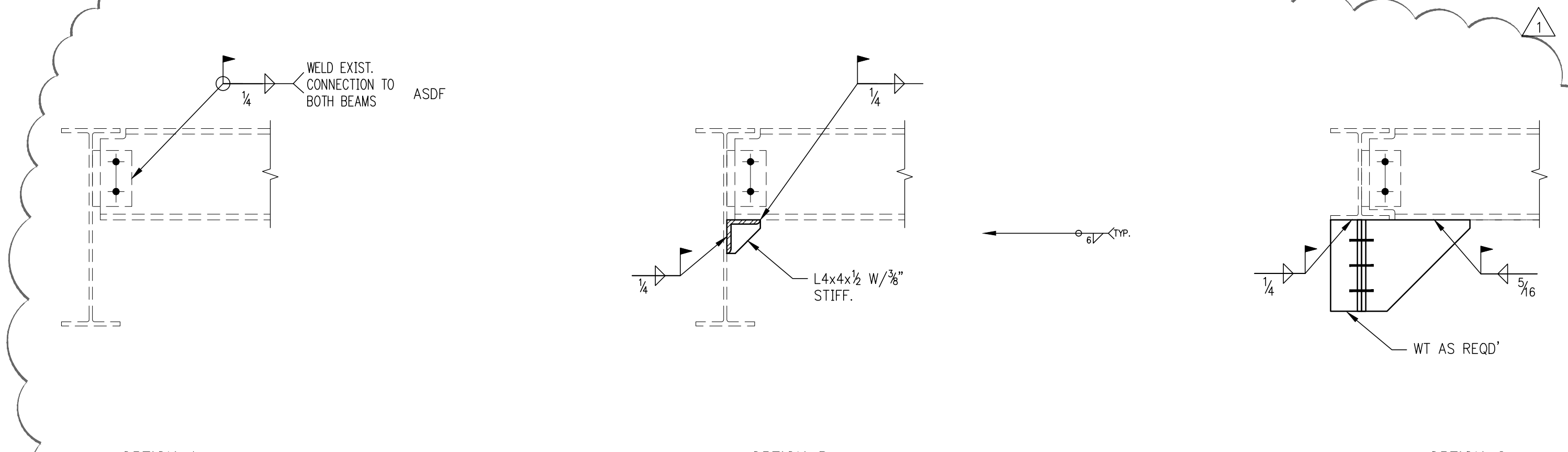


6 EMBEDDED PLATE DETAILS AT ATTACHMENT TO NEW CONCRETE FRAMING
SCALE: 1/4"=1'-0"

- NOTE:
- BEAM TO SHEAR PLATE CONNECTION TO BE DESIGNED FOR VERTICAL LOAD AND CONNECTION ECCENTRICITY. SHEAR PLATE TO EMBEDDED PLATE CONNECTION TO BE DESIGNED FOR SHEAR ONLY.
 - ALTERNATE EXTEND NEW BEAM TO EXIST. FRAMING TO REMAIN INSIDE THE SHEARWALL.

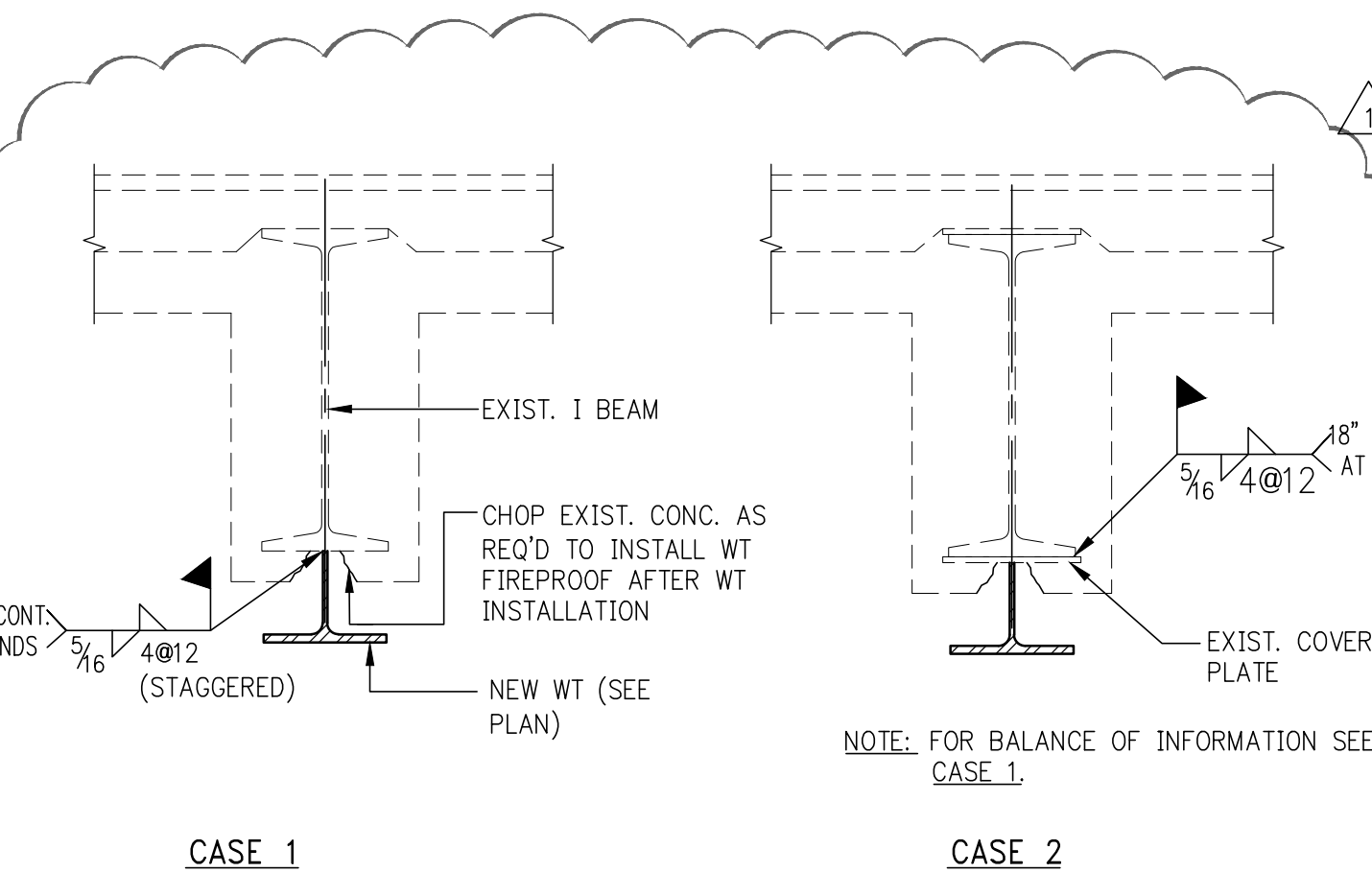


7 TYPICAL COLUMN CONCRETE ENCASEMENT
SCALE: 1/4"=1'-0"

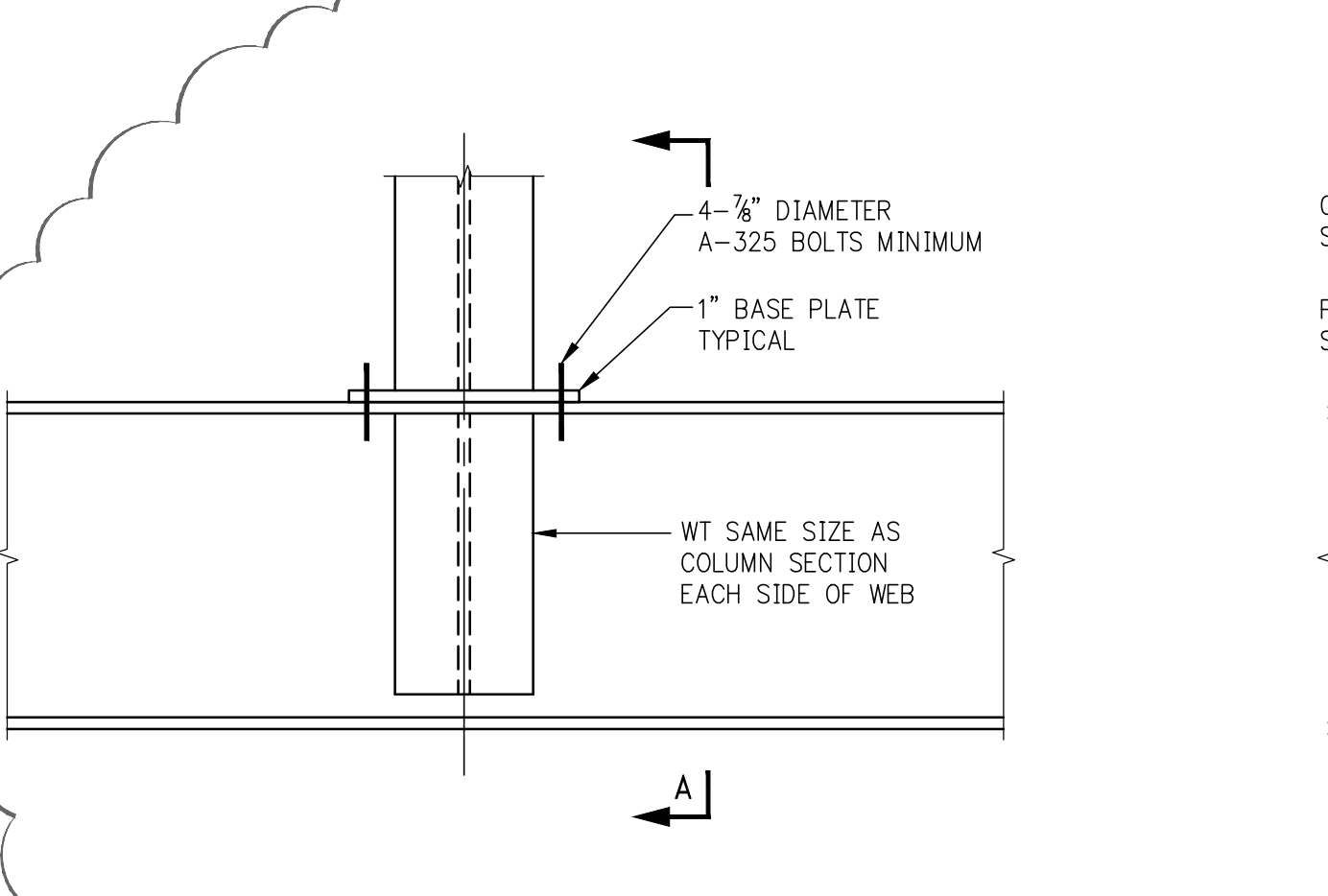


8 TYPICAL EXISTING CONNECTION REINFORCING
SCALE: 1/4"=1'-0"

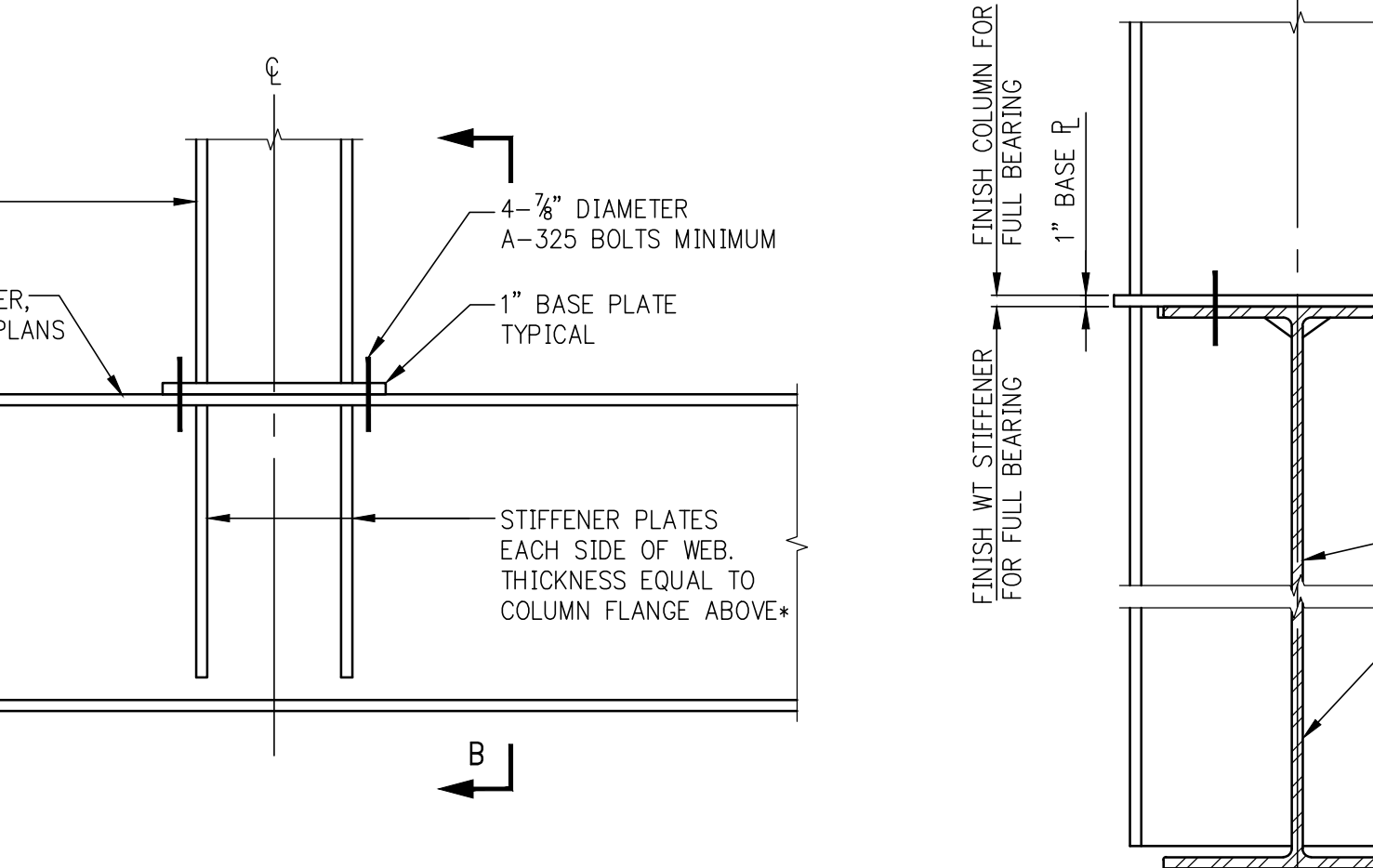
- NOTES:
- REINFORCE EXISTING CONNECTION FOR MIN. 25K SERVICE LOAD ADDITIONAL, U.O.N. ON DWGS.



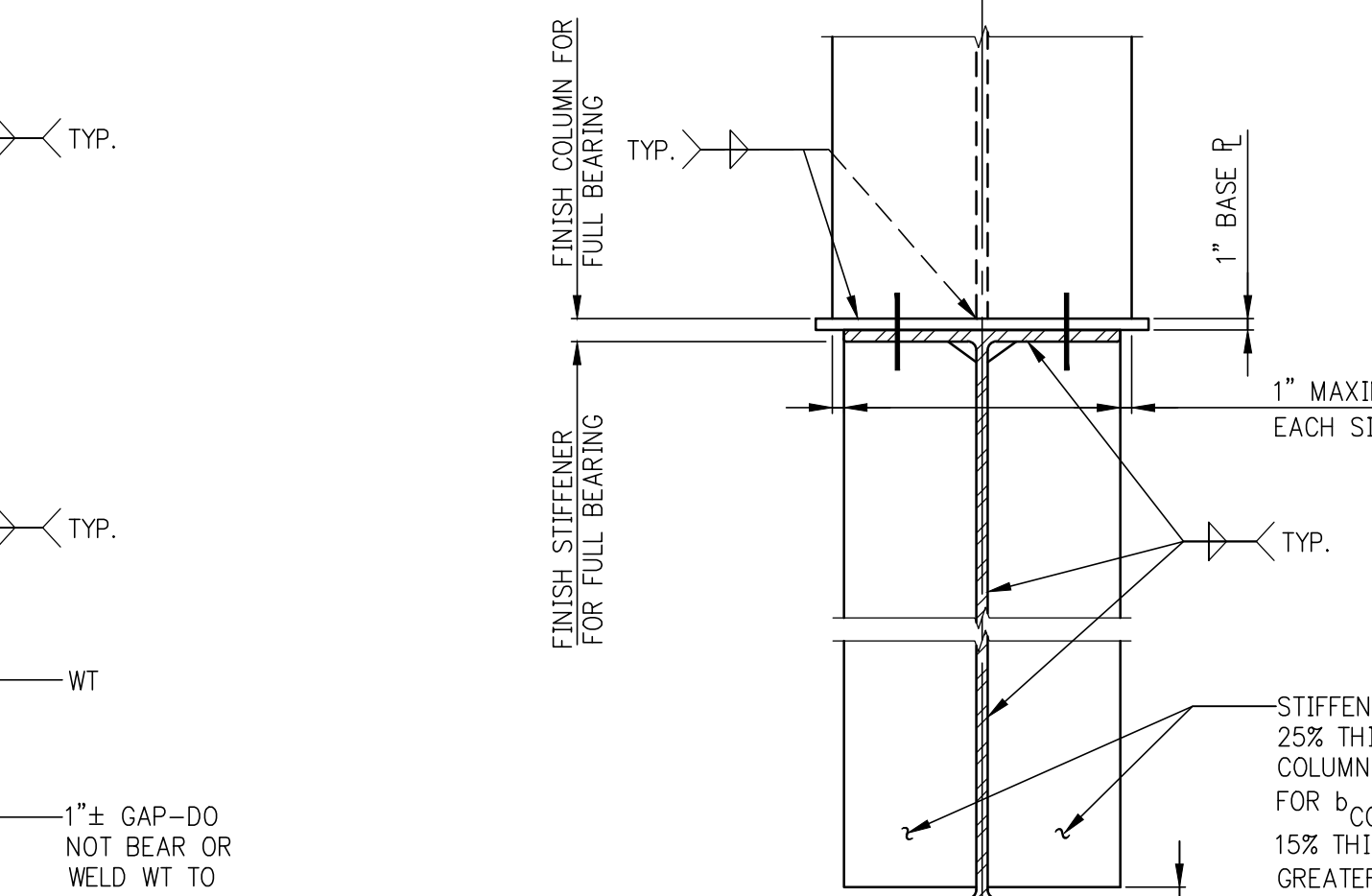
9 TYPICAL EXISTING BEAM REINF. DETAIL
SCALE: 1/4"=1'-0"



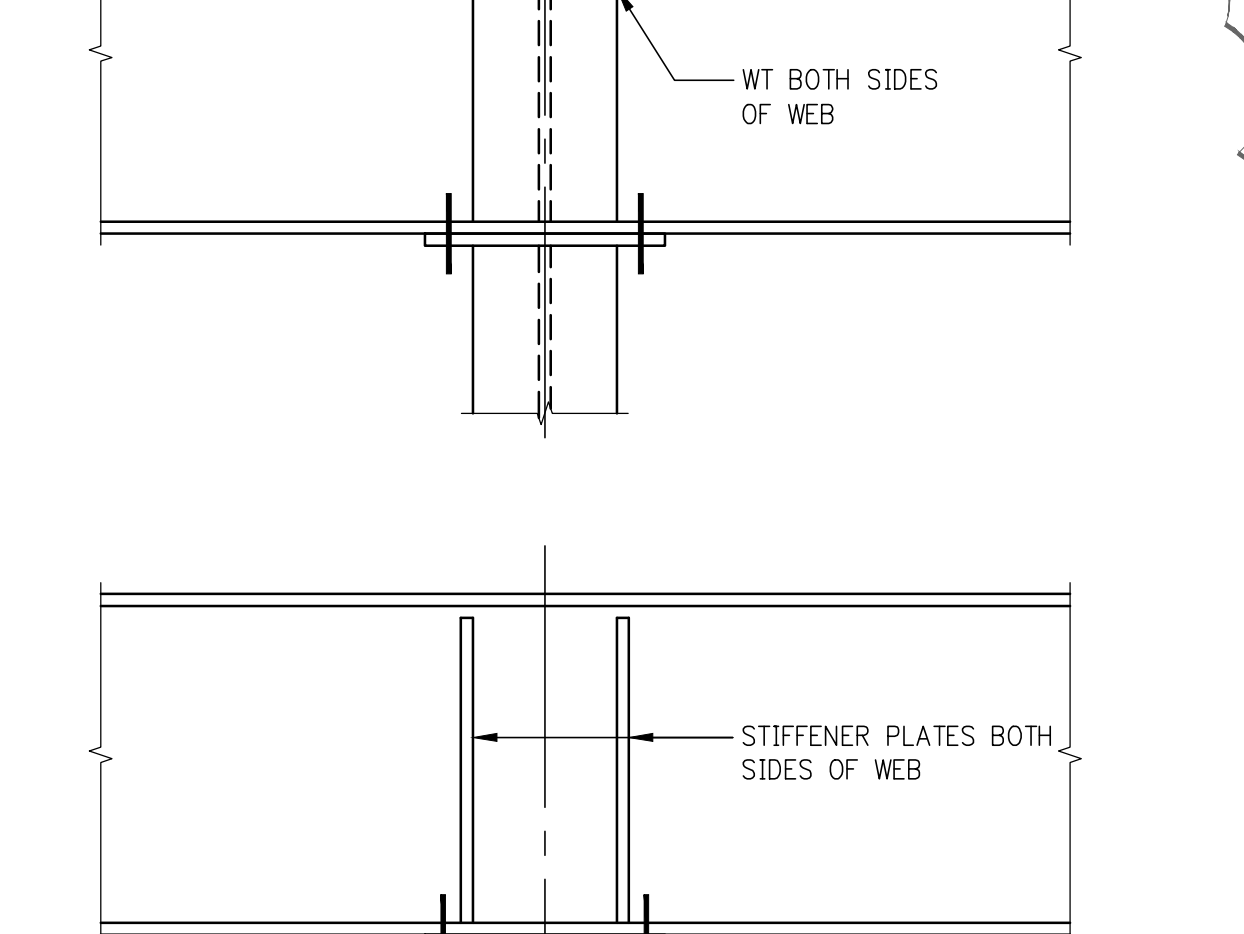
10 COLUMN OR POST PICK-UP
NOTE: WT AND STIFFENER PLATES TO BE SAME GRADE OF STEEL AS COLUMN.



SECTION A



SECTION B



11 BEAM CONTINUOUS OVER COLUMN
NOTE: ALL DETAILS OF WT AND STIFFENER PLATES ARE SAME AS FOR COLUMN PICK-UP, BUT INVERTED.

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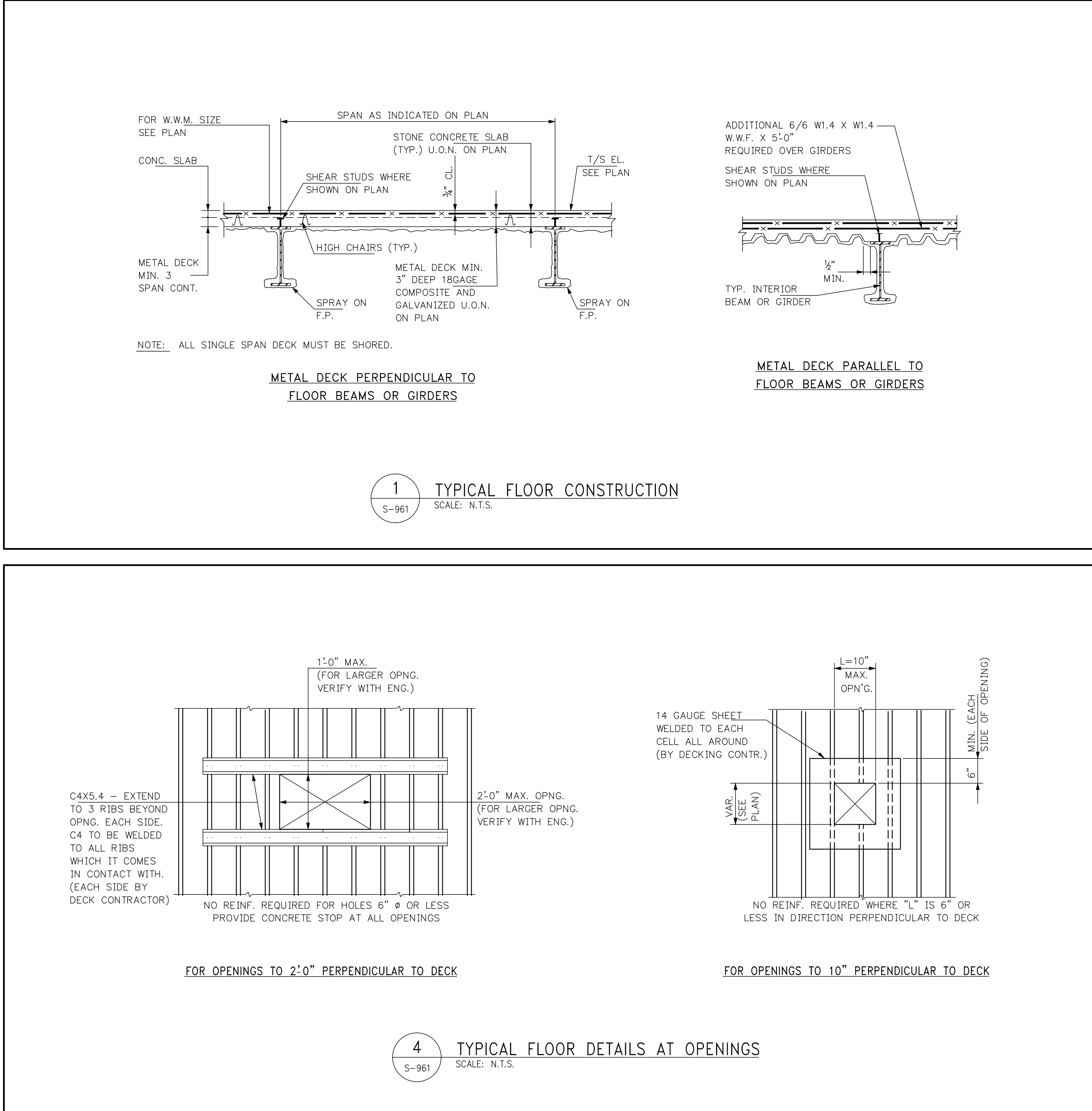
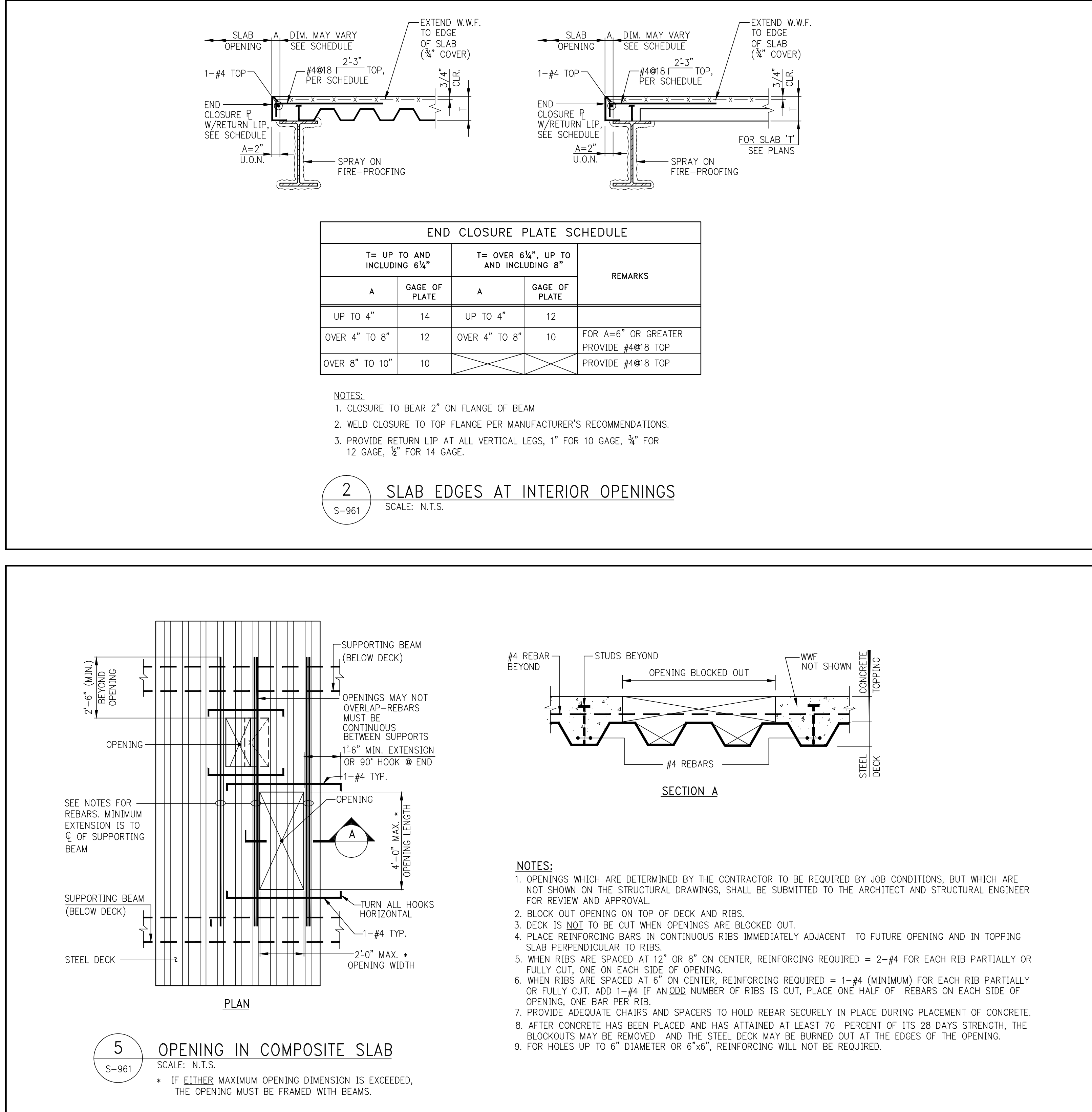
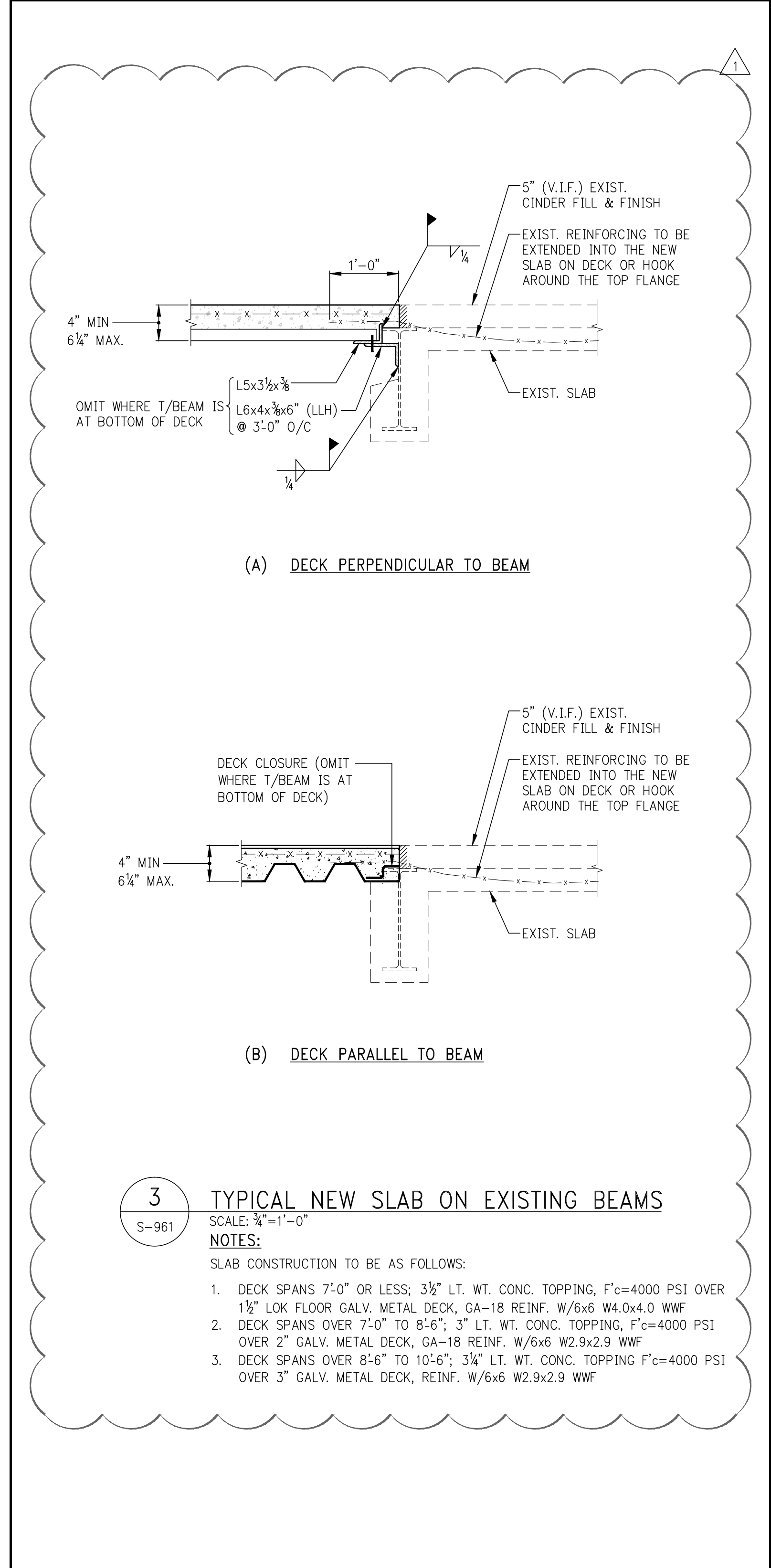
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2	5/1/15	DCS/HUS/SJS	

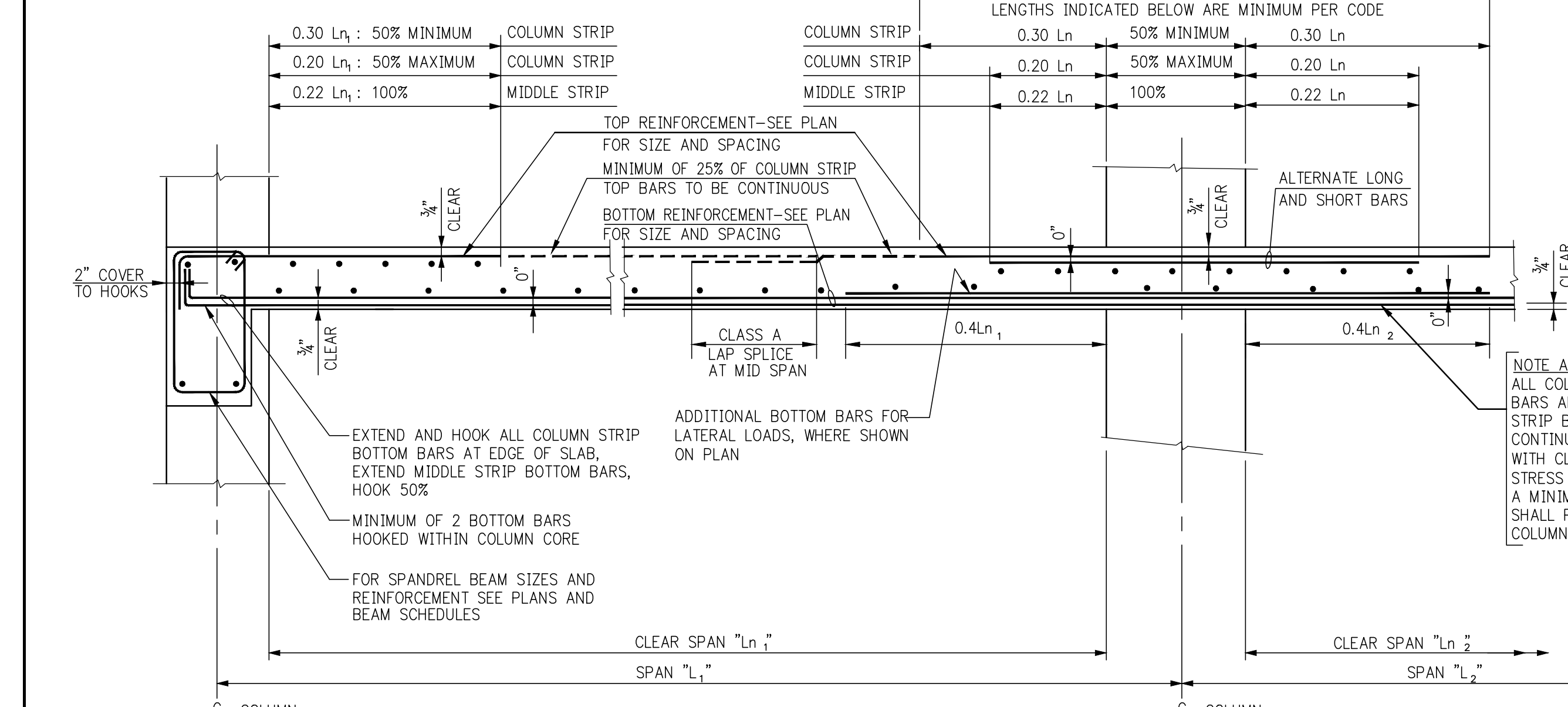
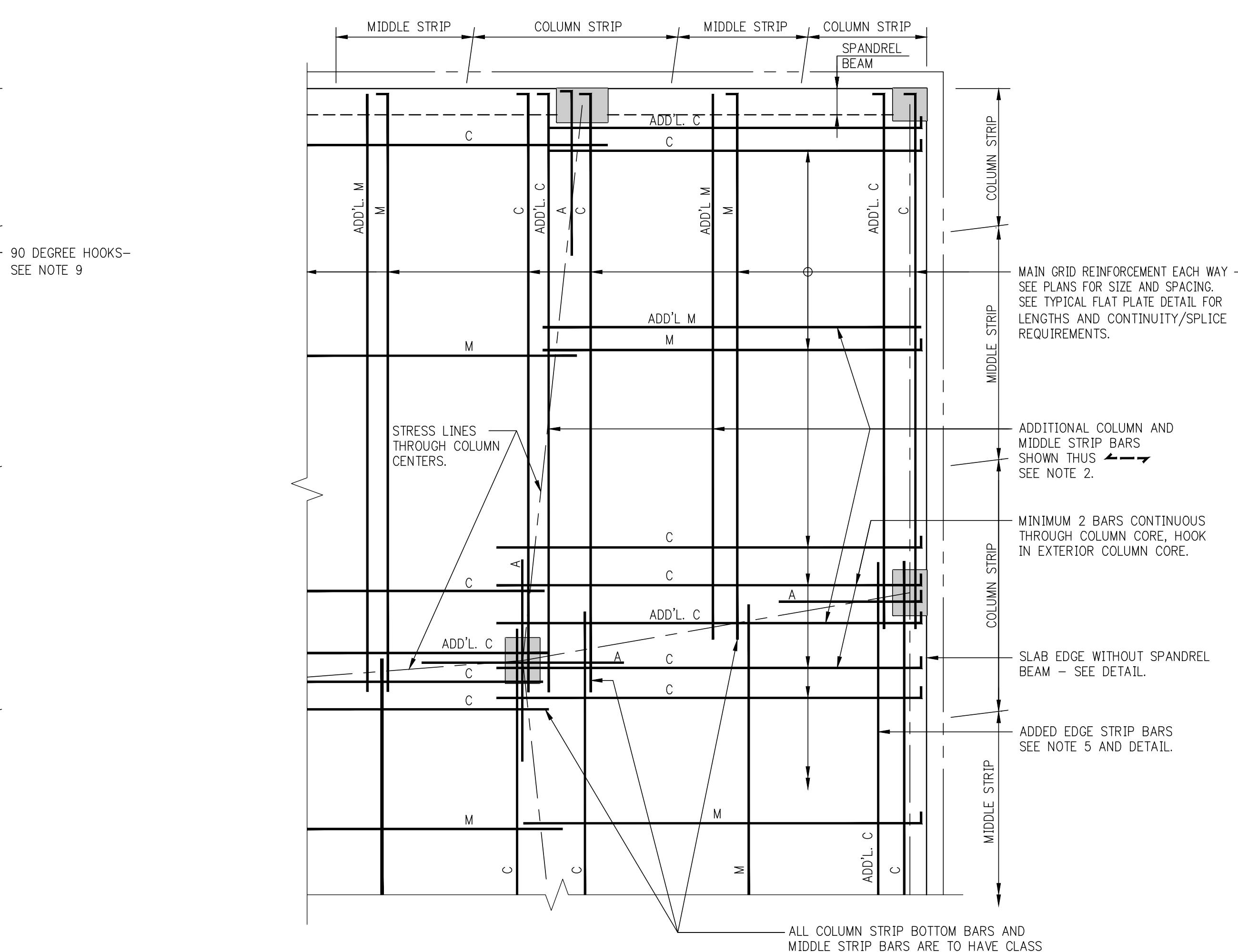
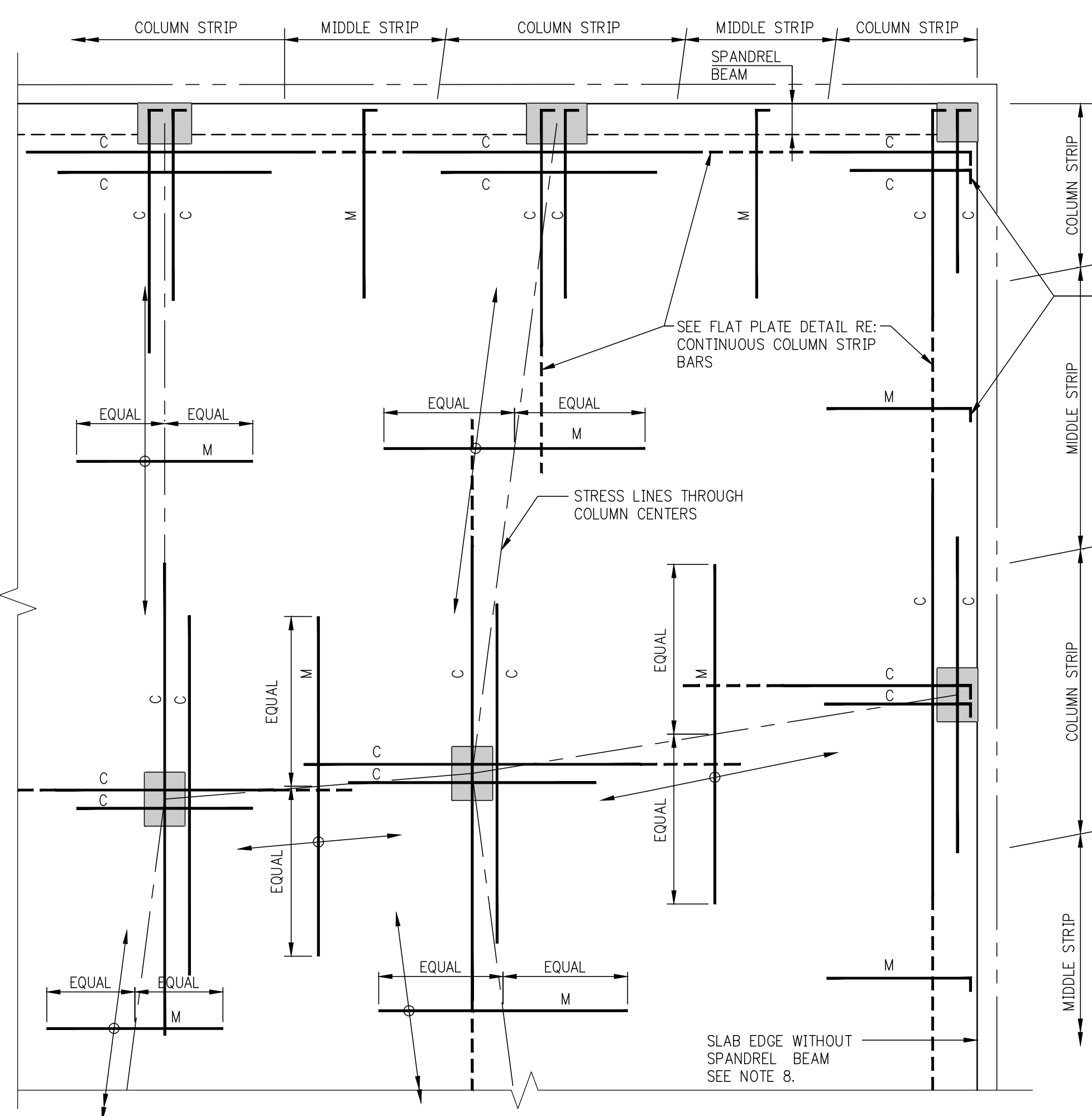
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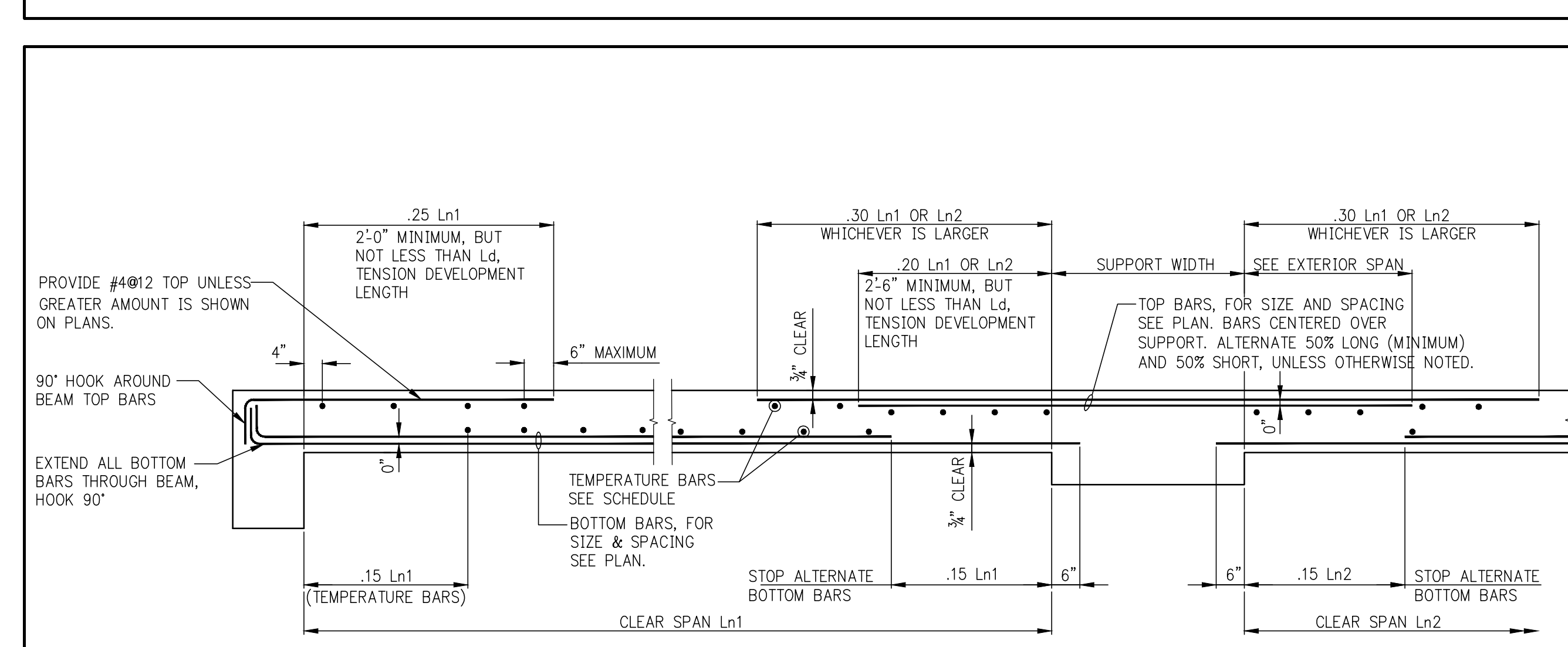
STEEL TYPICAL SUPERSTRUCTURE DETAILS 1

NO.	DATE	DESCRIPTION	REVISION
1	07/10/15		
2	10/10/15		
3	04/01/16		
4	02/01/16		
5	12/13/2016		





FLAT PLATE DETAIL
 (FOR DROP PANELS SEE DETAIL)
 AT INTERIOR SUPPORTS USE LARGER OF L₁ OR L₂ FOR L_n



ONE WAY CONCRETE SLAB

MINIMUM TEMPERATURE REINFORCEMENT ONE WAY SLABS	
SLAB THICKNESS	MIN. TEMPERATURE REINFORCEMENT
UP TO 6"	#4@18
6" TO 7"	#4@16
7" TO 8"	#4@14
8" TO 9"	#4@12
9" TO 10"	#4@10 OR #5@15
10" TO 12"	#4@9 OR #5@14
12" TO 14"	#4@8 OR #5@12
14" TO 16"	#5@10
OVER 16"	BY DESIGNER

NOTES FOR TOP REINFORCEMENT

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

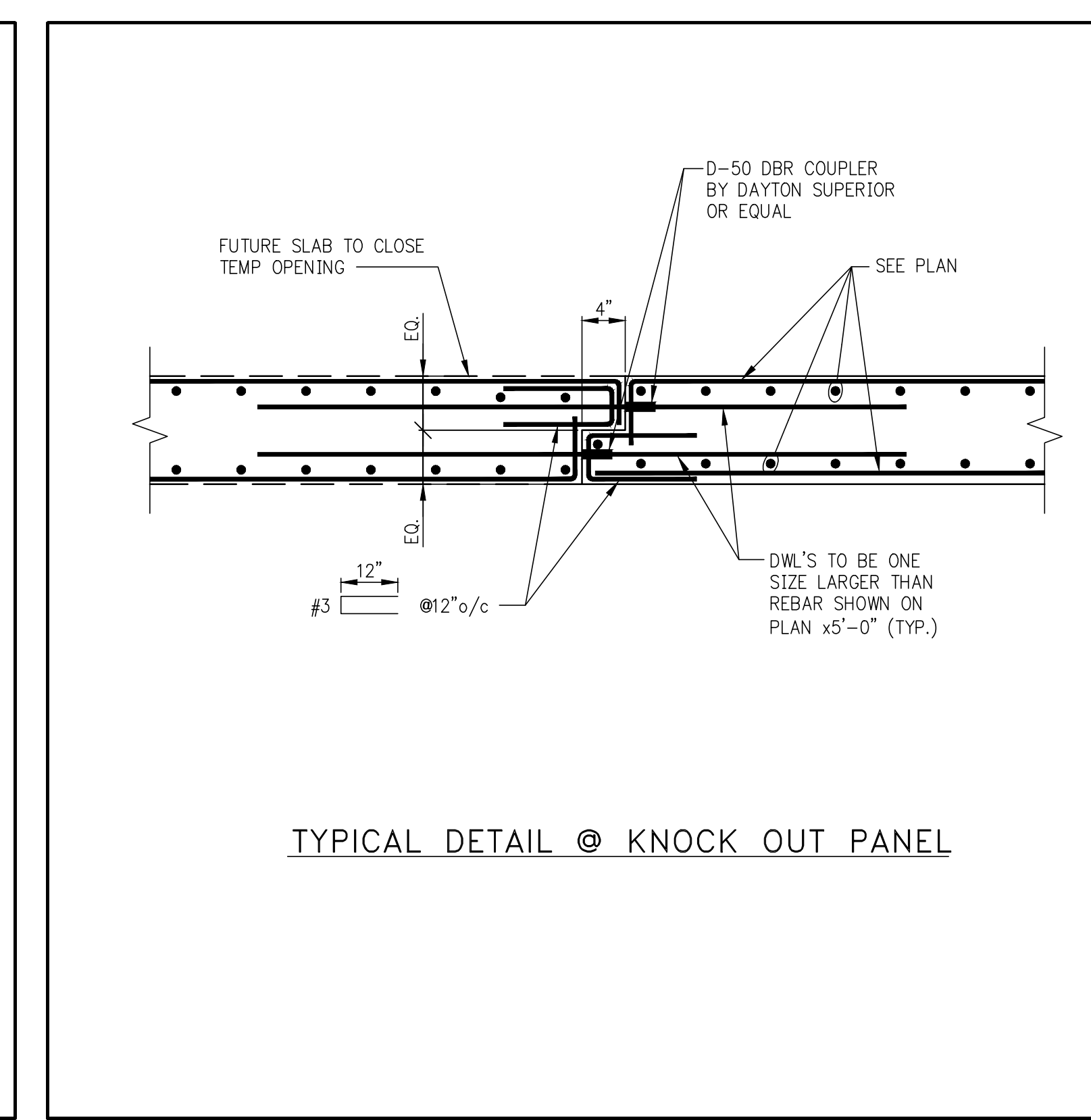
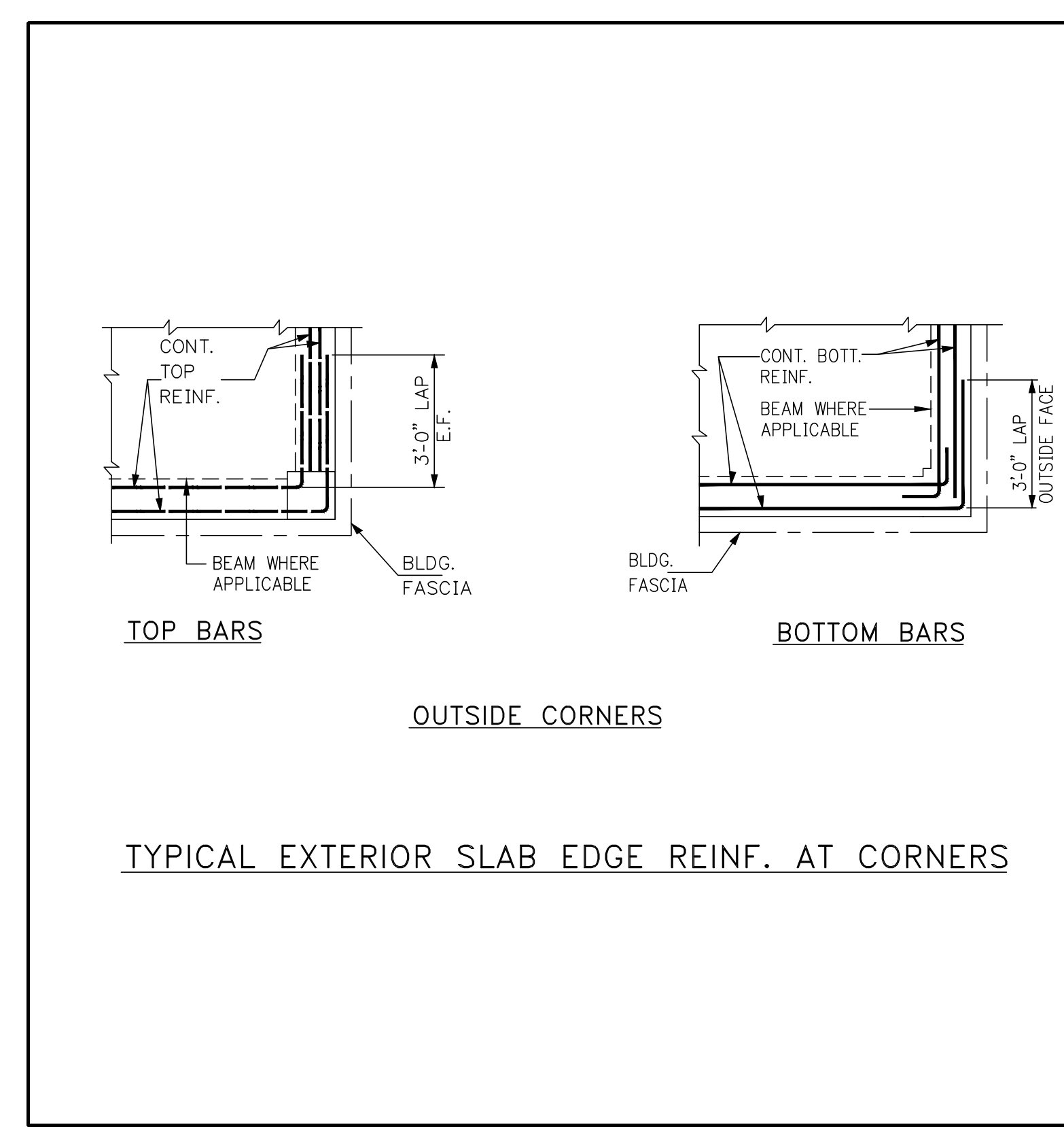
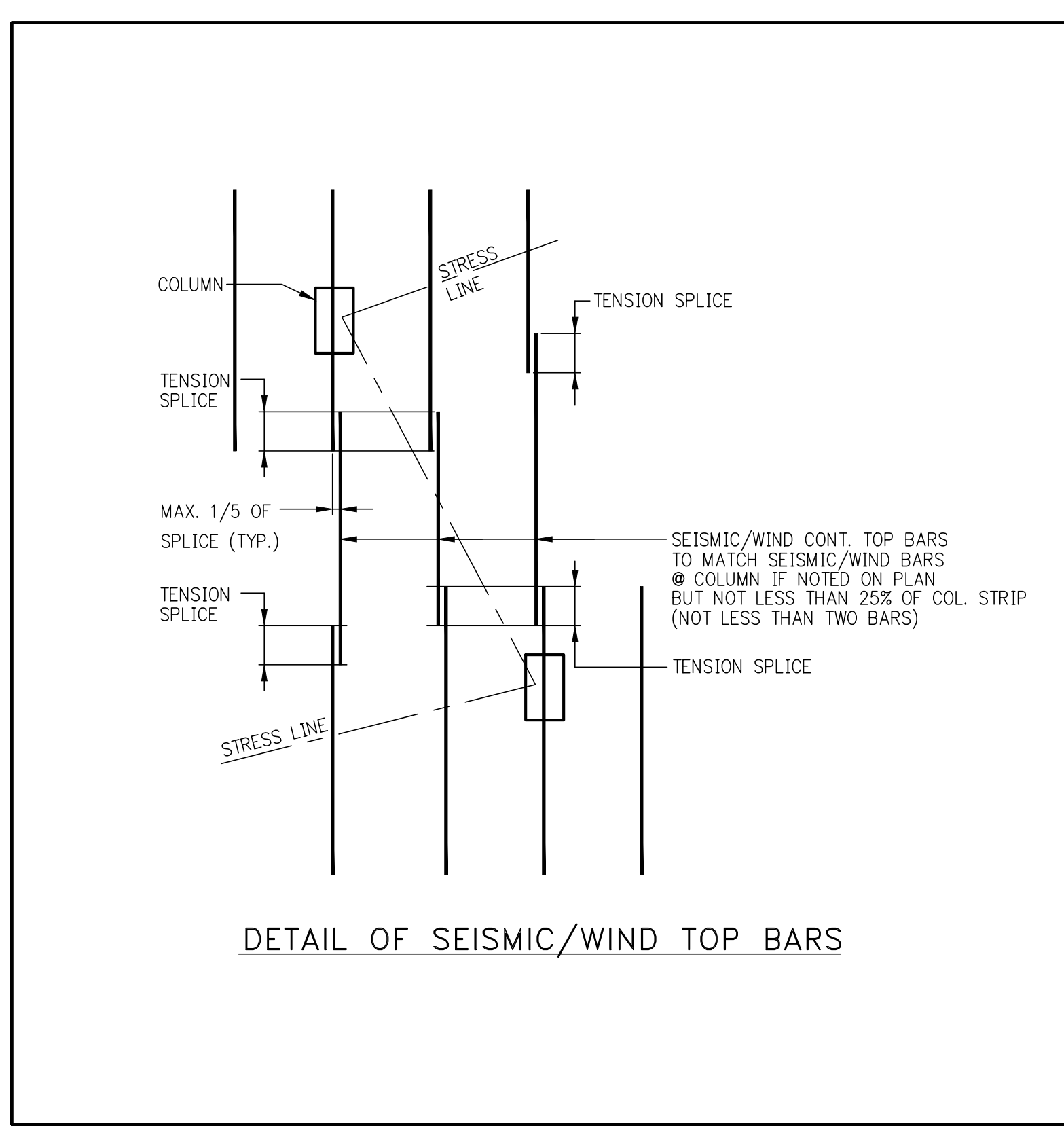
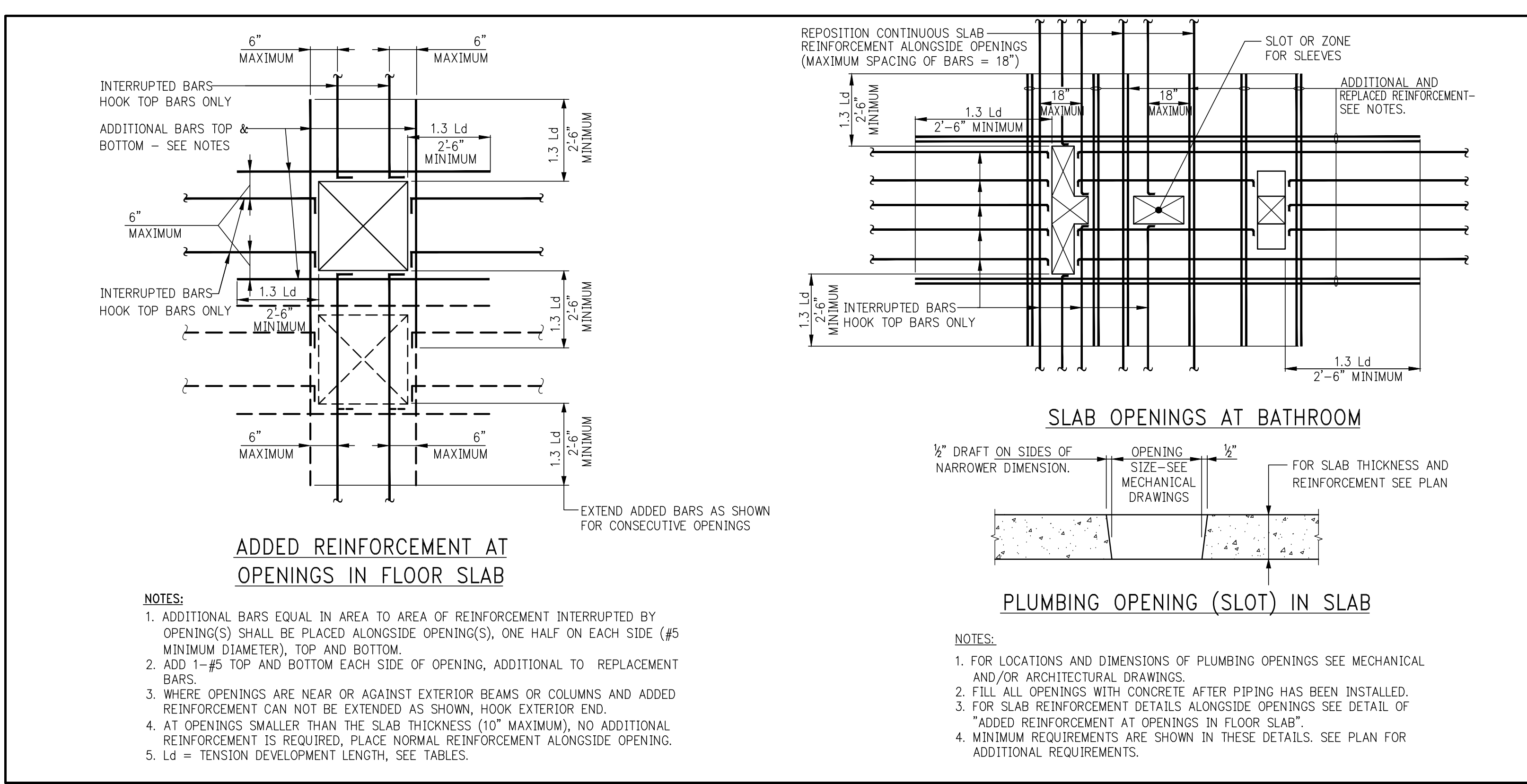
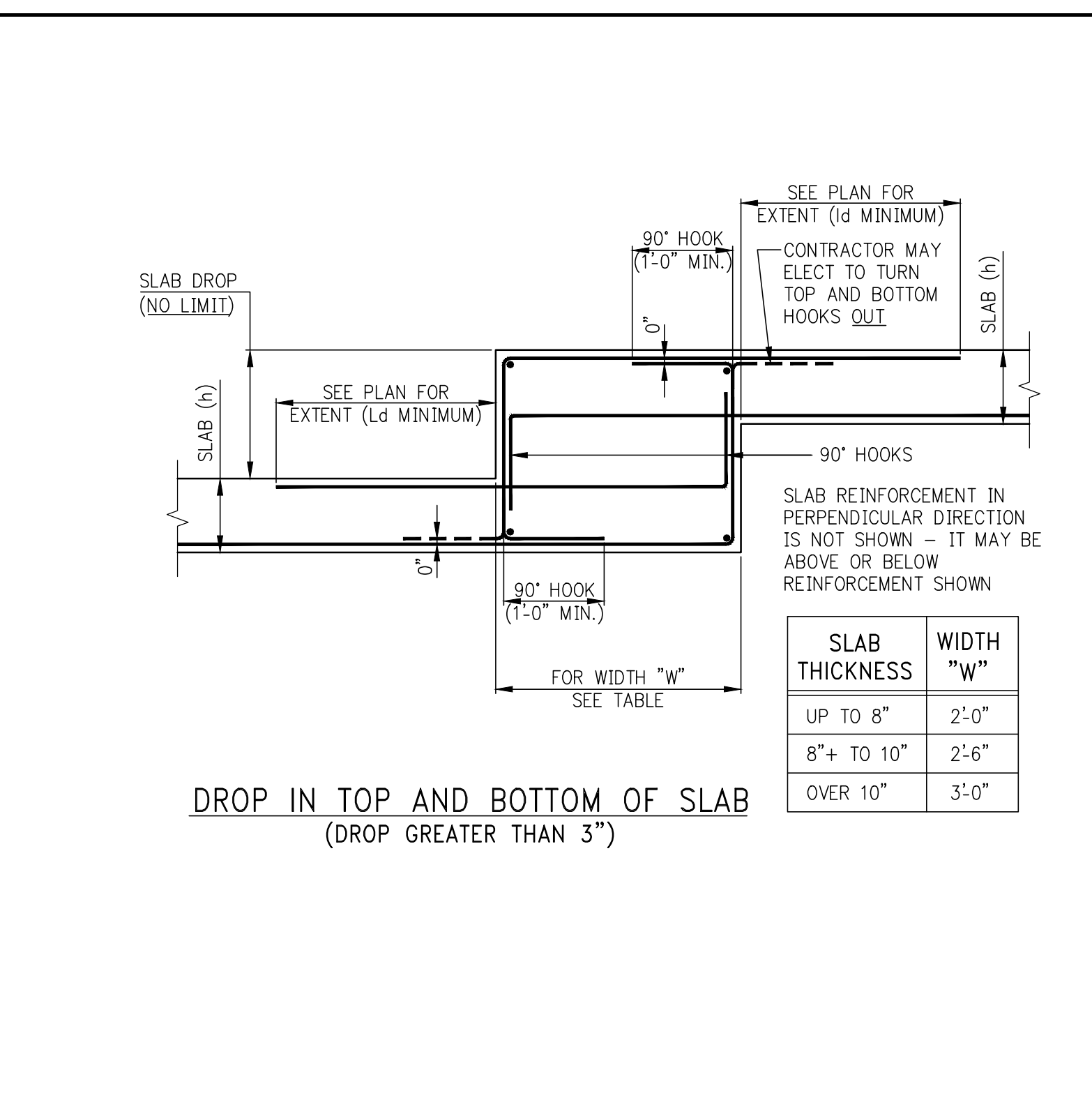
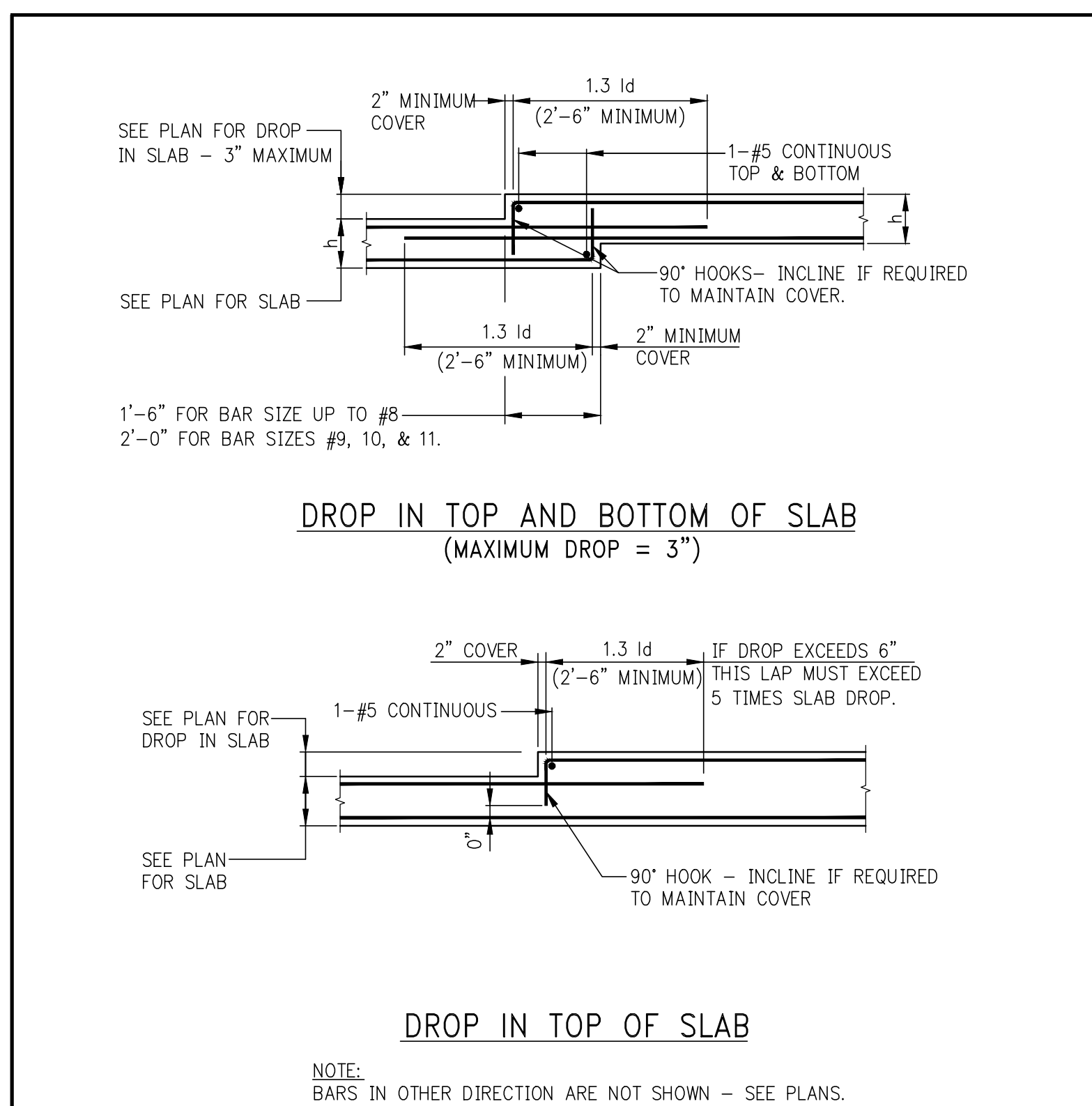
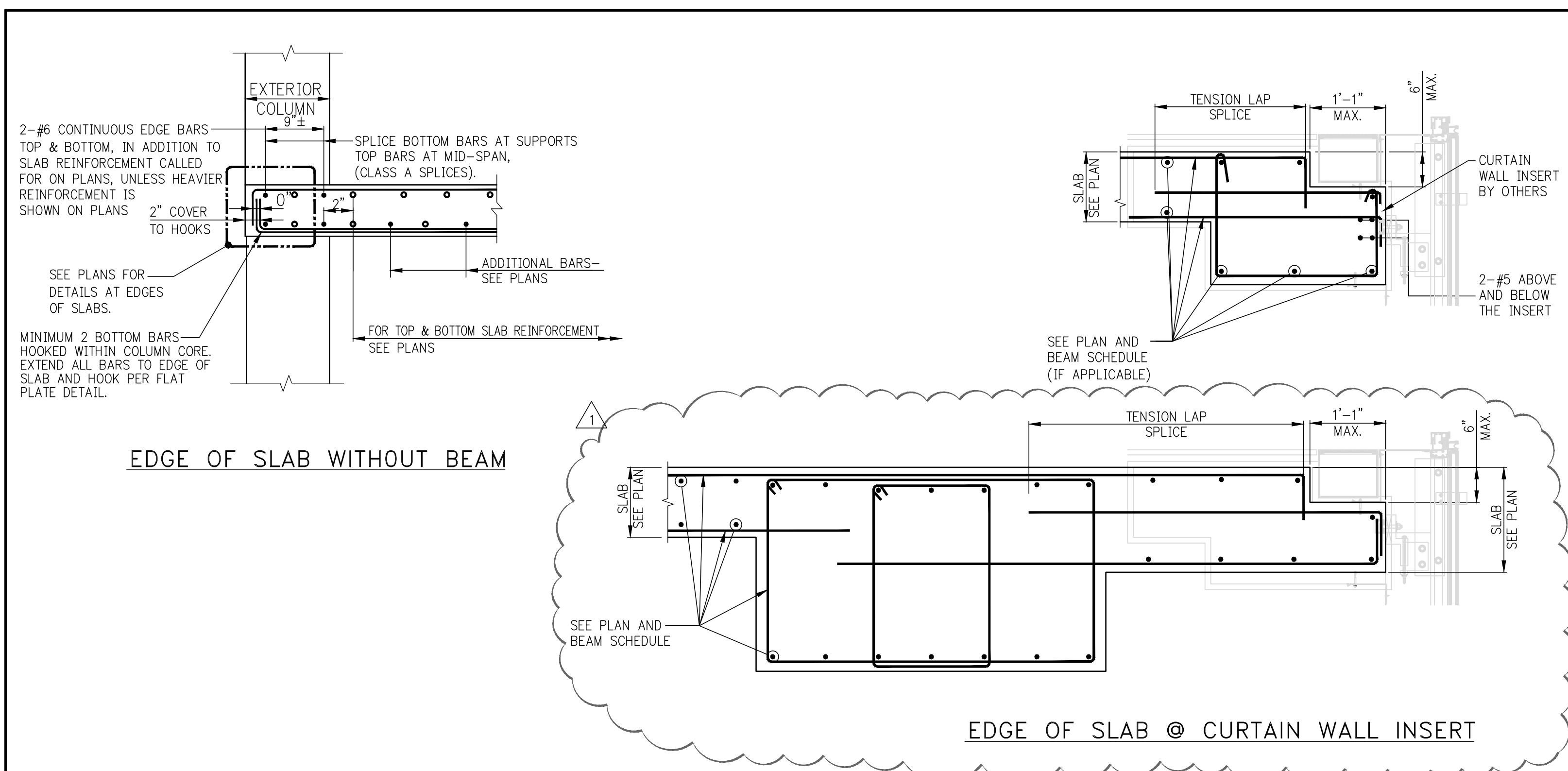
BAR LENGTH EXTENSIONS REQUIRED AT EPOXY COATED REINFORCEMENT (WHERE SPECIFIED ON PLANS)

1. TO REINFORCING BAR LENGTHS SHOWN ON PLAN OR AS DETERMINED FROM TYPICAL DETAILS, ADD AN ADDITIONAL LENGTH AT EACH END (EXCEPT AT HOOKED BARS) EQUAL TO 50% OF L_{db}, BAR DEVELOPMENT LENGTH FOR SLABS. SEE TABLE.
2. DEVELOPMENT LENGTHS L_{db} AND LAP SPICE LENGTHS SHOWN ARE TO BE INCREASED BY 50% OVER VALUES FOR UNCOATED BARS.

NOTES FOR BOTTOM REINFORCEMENT

1. 'C' DENOTES A COLUMN STRIP BAR, PART OF MAIN GRID. 'ADD'L C' DENOTES COLUMN STRIP BARS ADDITIONAL TO MAIN GRID BARS. 'M' DENOTES A MIDDLE STRIP BAR, PART OF MAIN GRID. 'ADD'L M' DENOTES MIDDLE STRIP BARS ADDITIONAL TO MAIN GRID BARS.
2. PLACE ADDITIONAL BARS BETWEEN MAIN GRID BARS IN COLUMN STRIPS GROUP ABOUT STRESS LINE IN MIDDLE STRIPS DISTRIBUTE THROUGHOUT STRIP.
3. ALL COLUMN STRIP BOTTOM BARS ARE TO BE HOOKED 90° AT EDGES OF SLAB OR AT SLAB OPENINGS, OR AT OTHER DISCONTINUITIES.
4. MIDDLE STRIP BOTTOM BARS ARE TO EXTEND TO EDGE OF SLAB WHERE 50% OF BARS ARE TO BE HOOKED.
5. IN EDGE STRIP WITHOUT SPANDREL BEAMS START ADDITIONAL BARS TWO INCHES FROM CONTINUOUS EDGE BARS - SEE TYPICAL DETAIL AT EDGE OF SLAB.
6. 'A' DENOTES 2-#5 ADD'L BOTTOM EW WITH IN COLUMN TO EXTEND L_n/3

FLAT SLAB REINFORCEMENT DETAILS



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 LARKSPUR, NY 07033
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GEOTECH: MICE
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 NEW YORK, NY 10011
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LIGHTING: COOPER/KORNER INTERNATIONAL
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1
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NO. DATE REVISION

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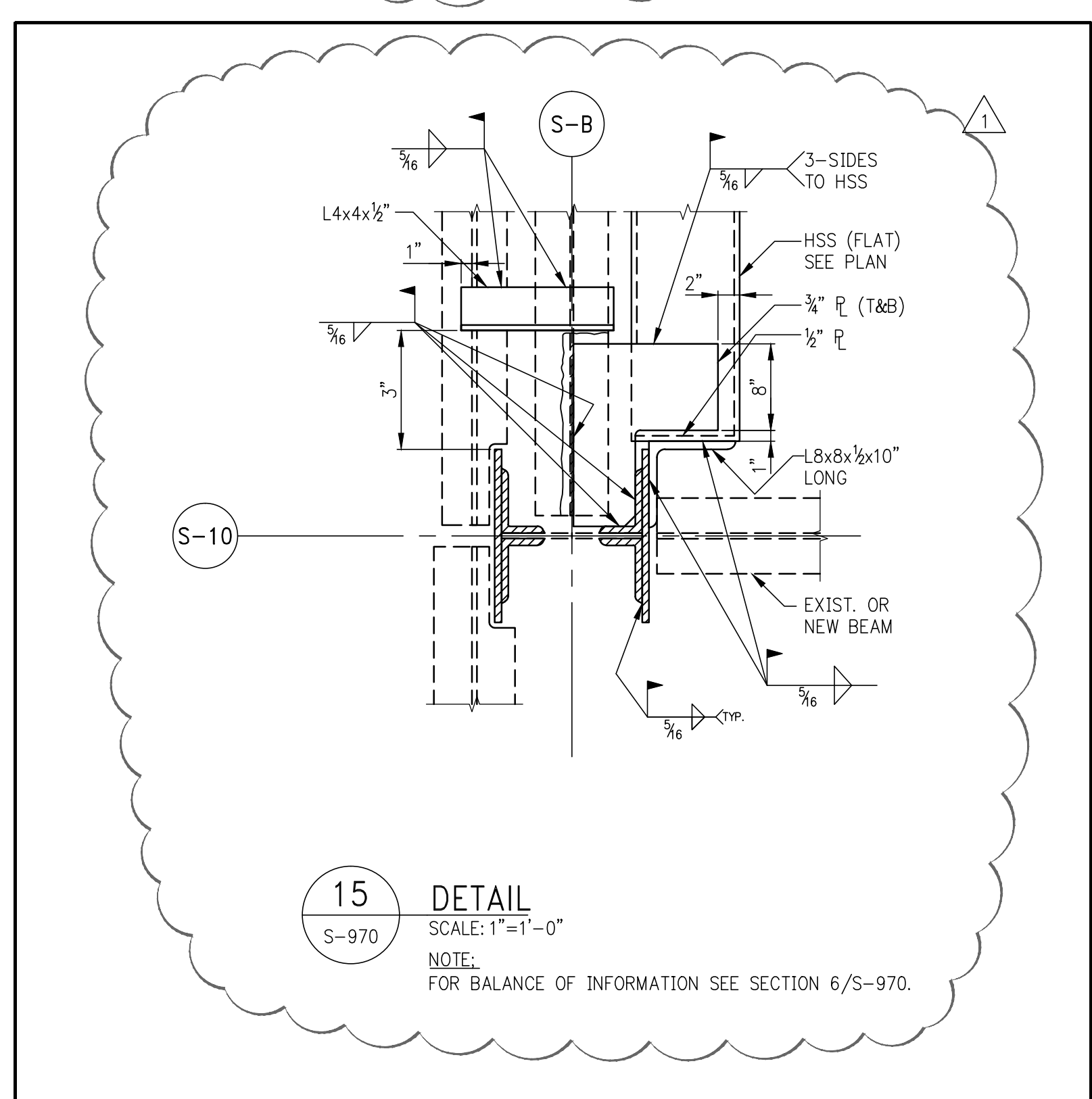
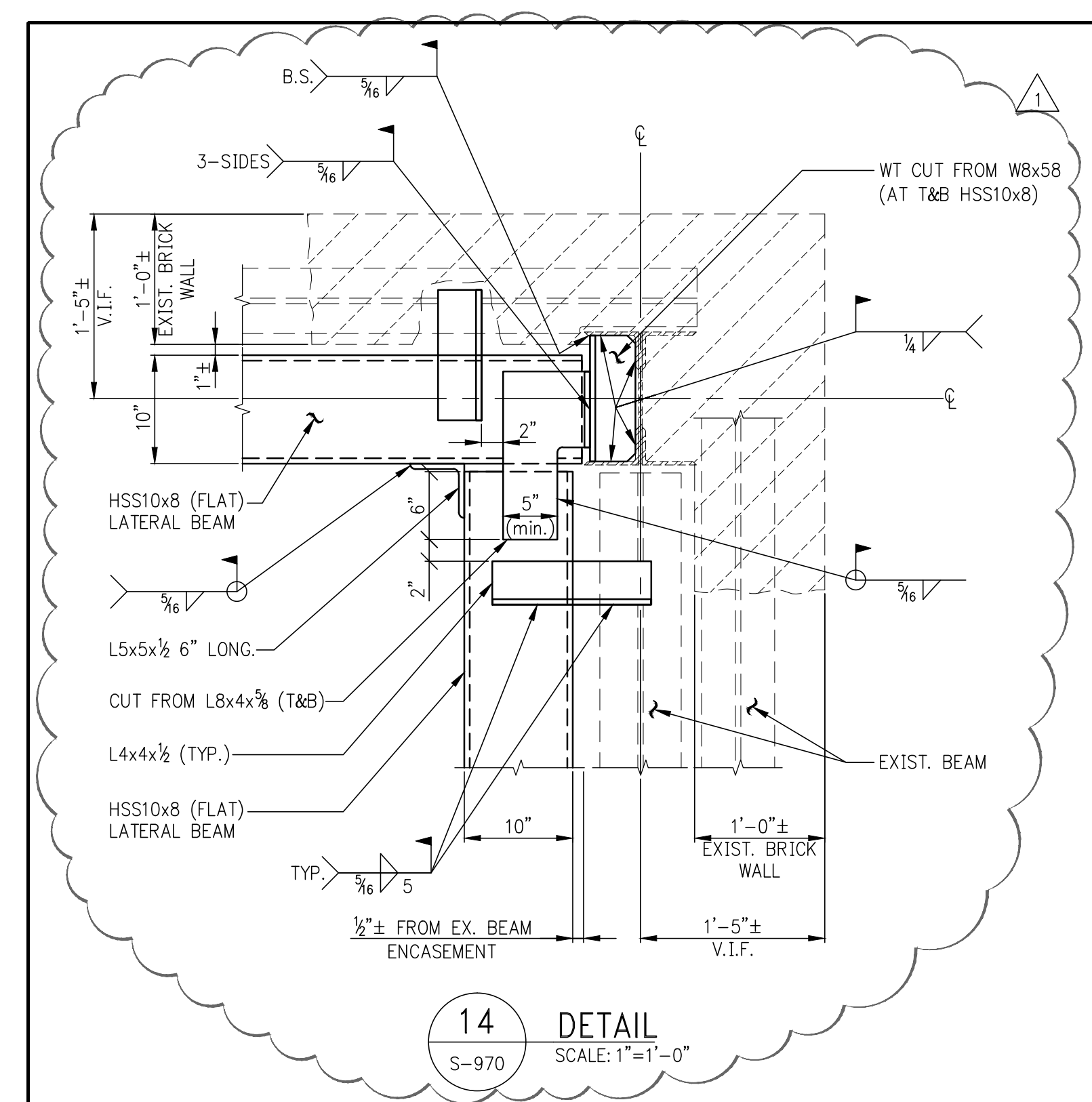
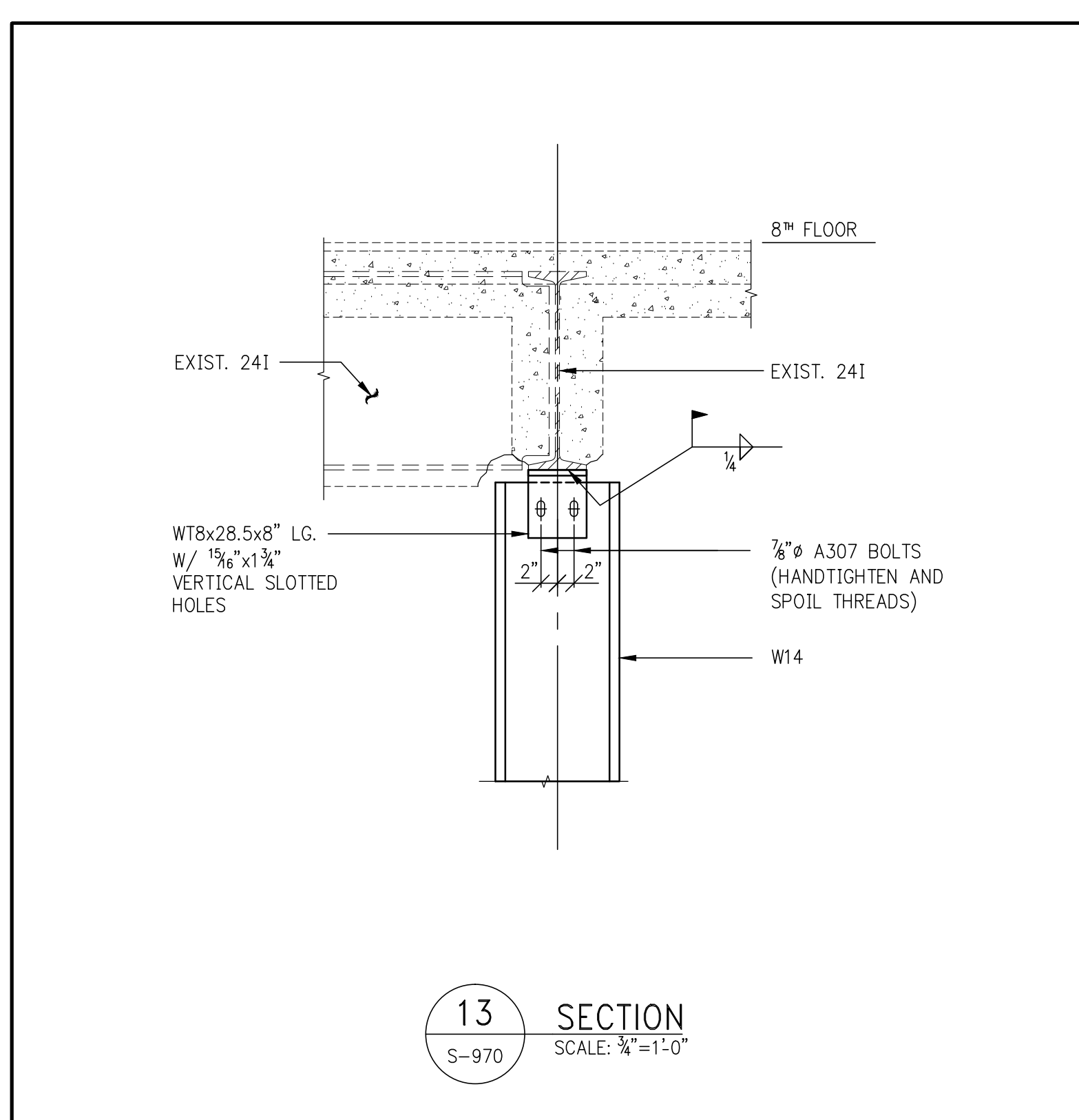
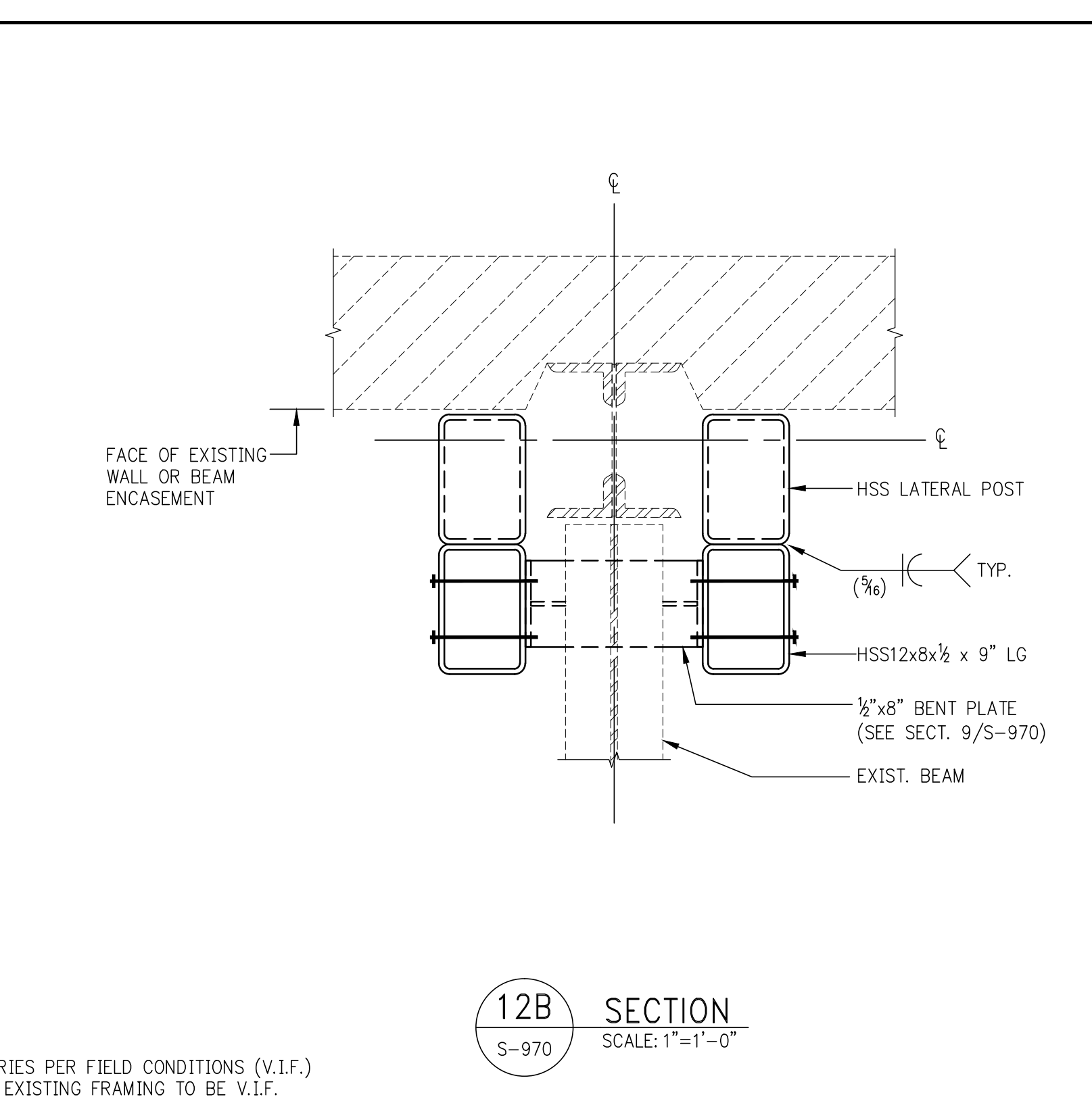
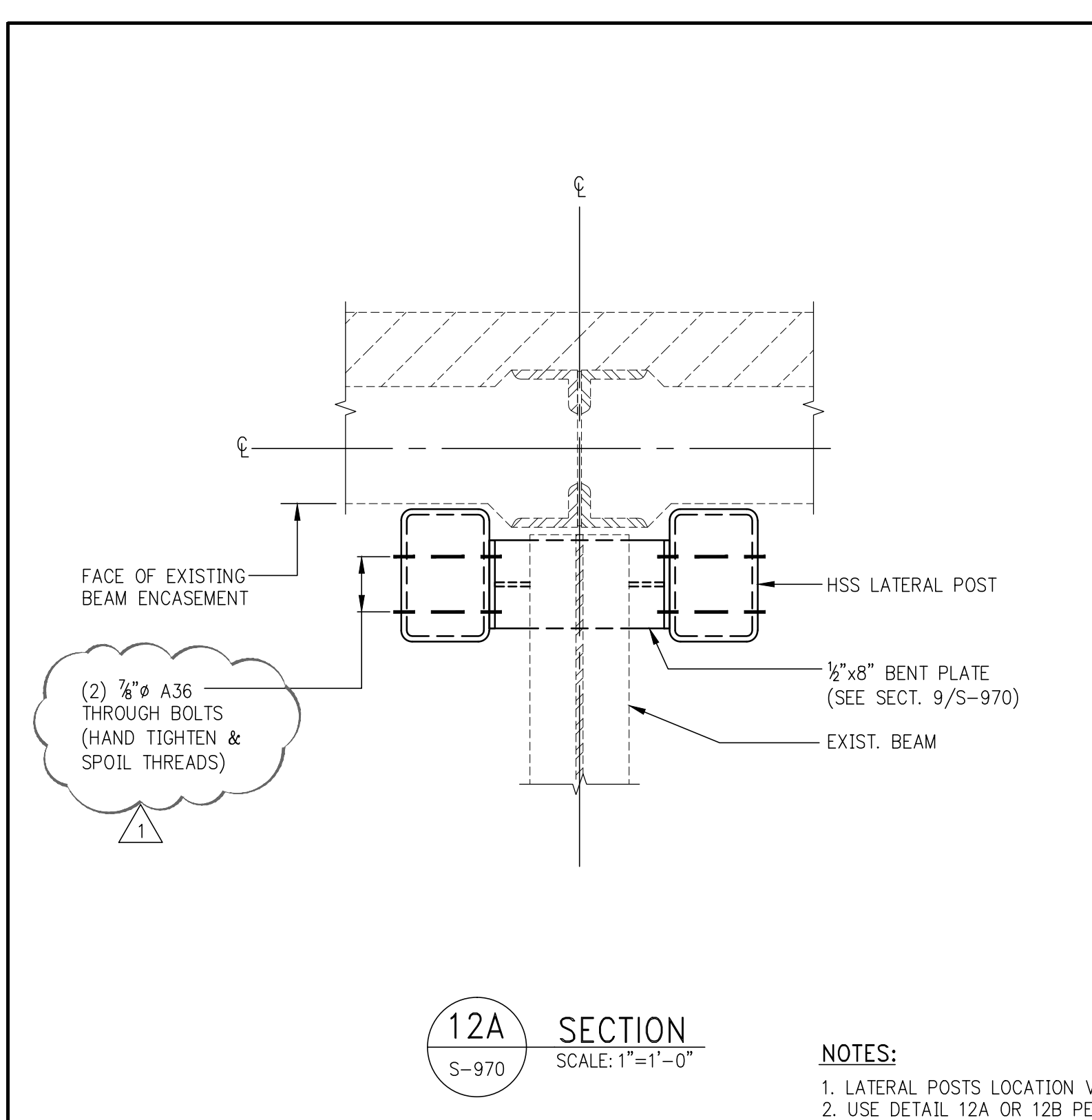
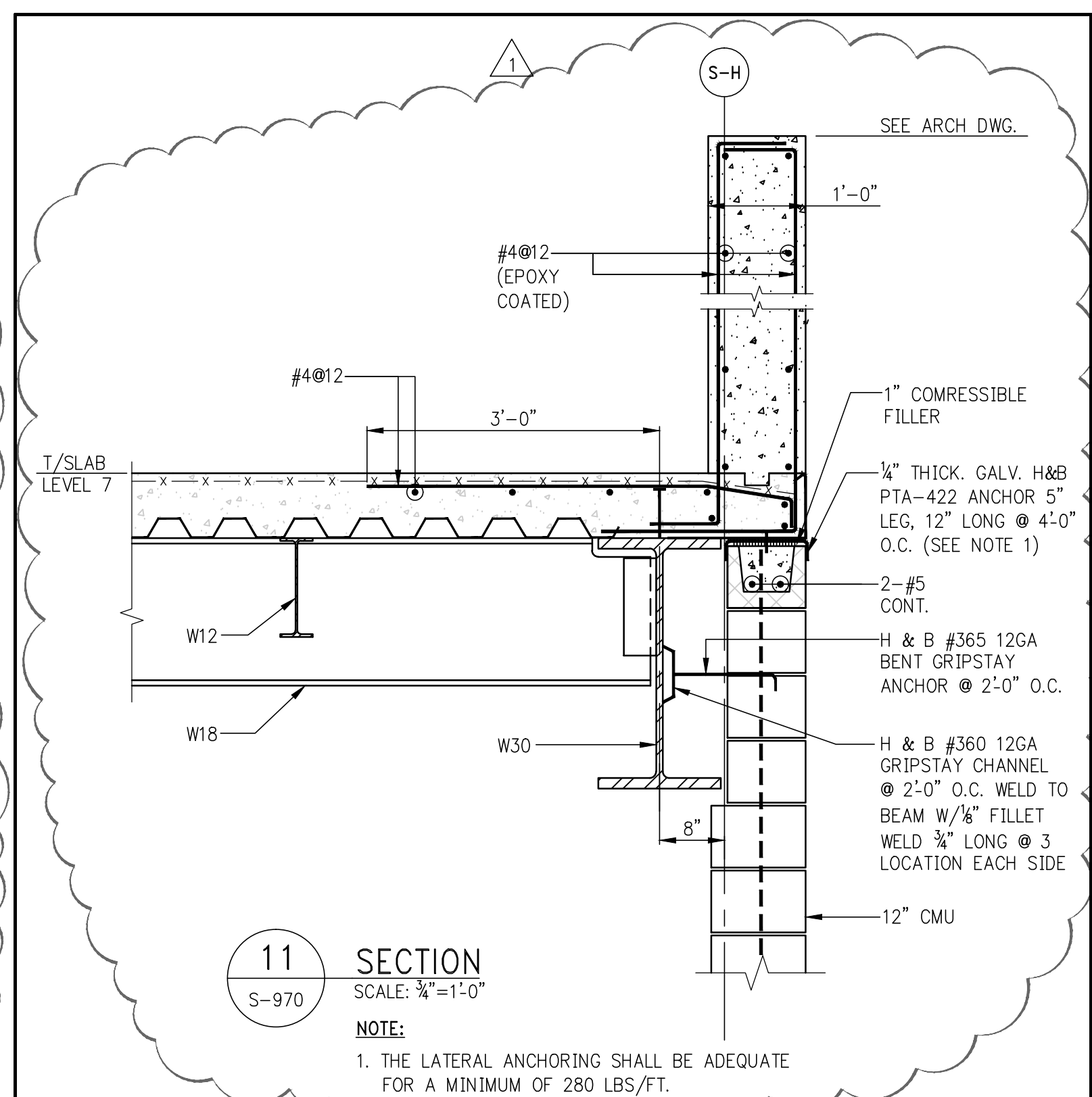
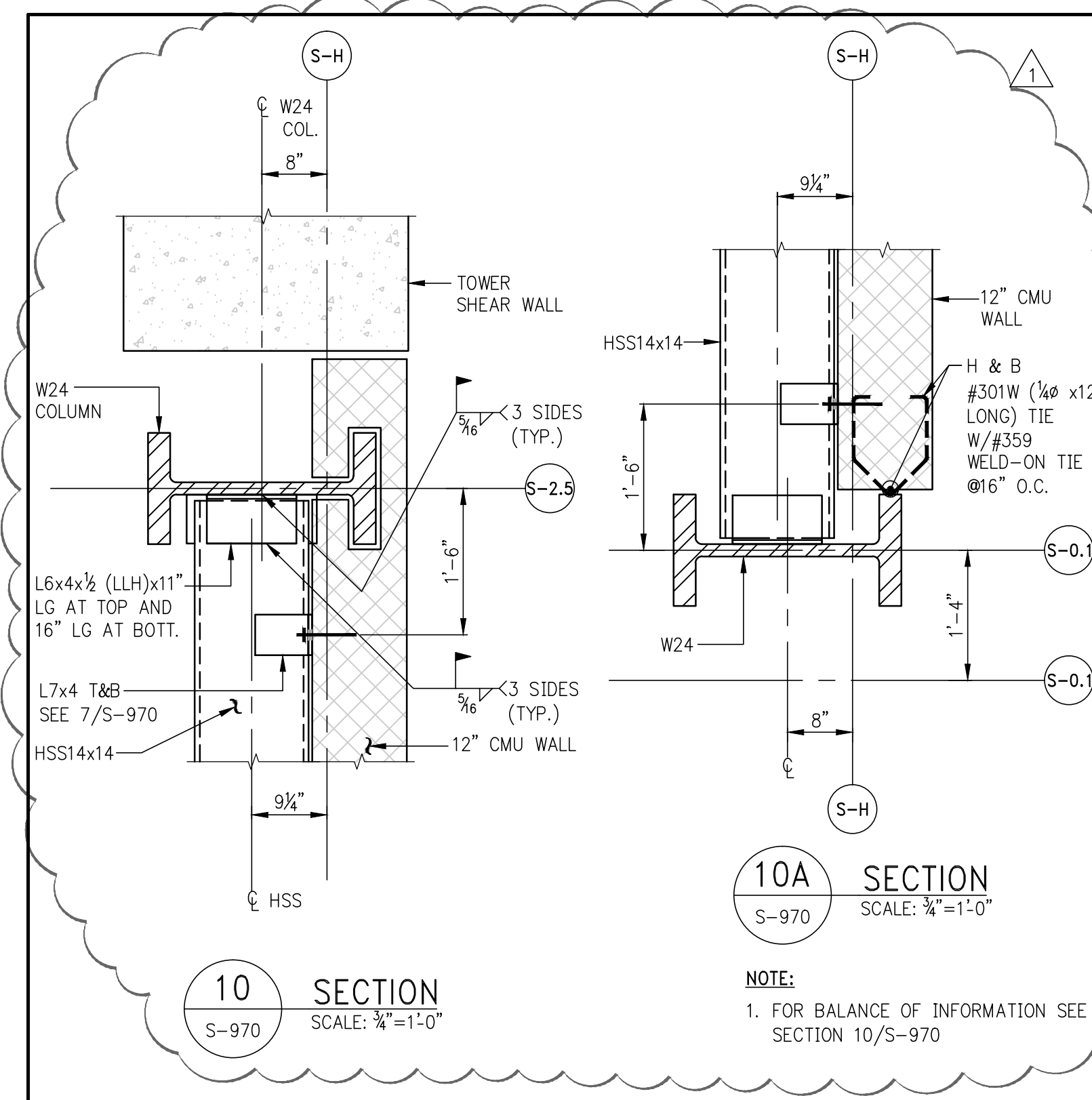
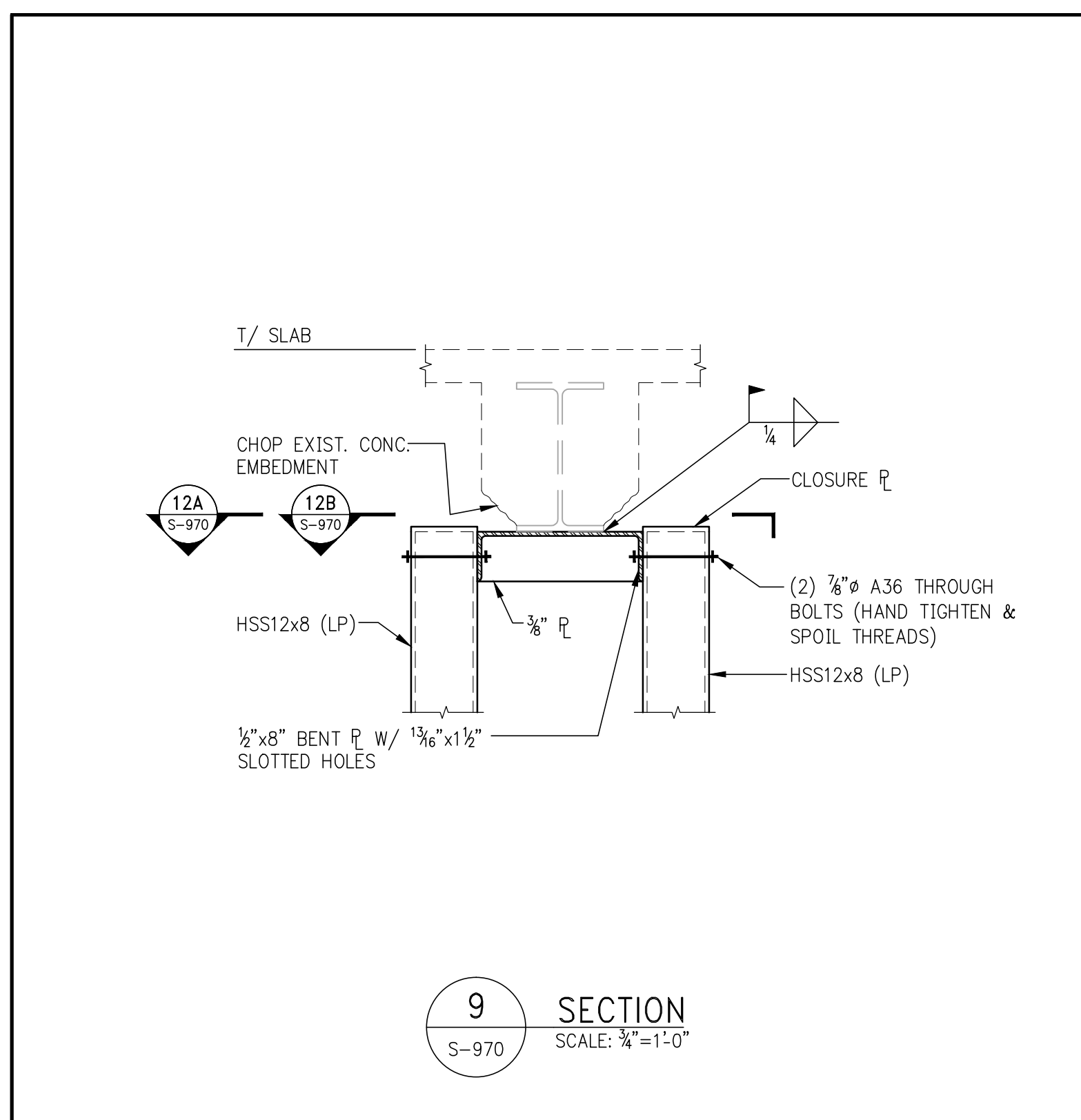
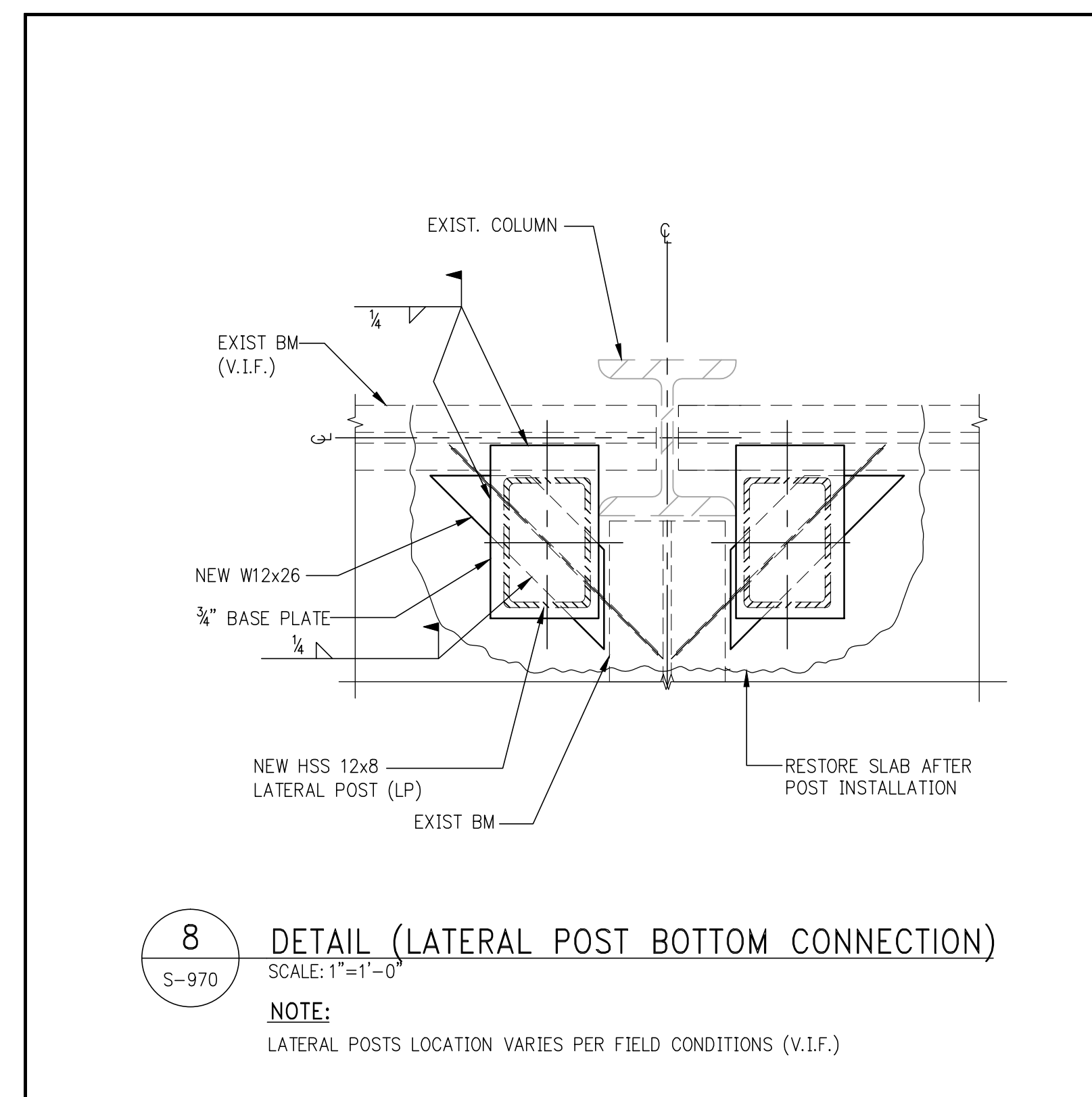
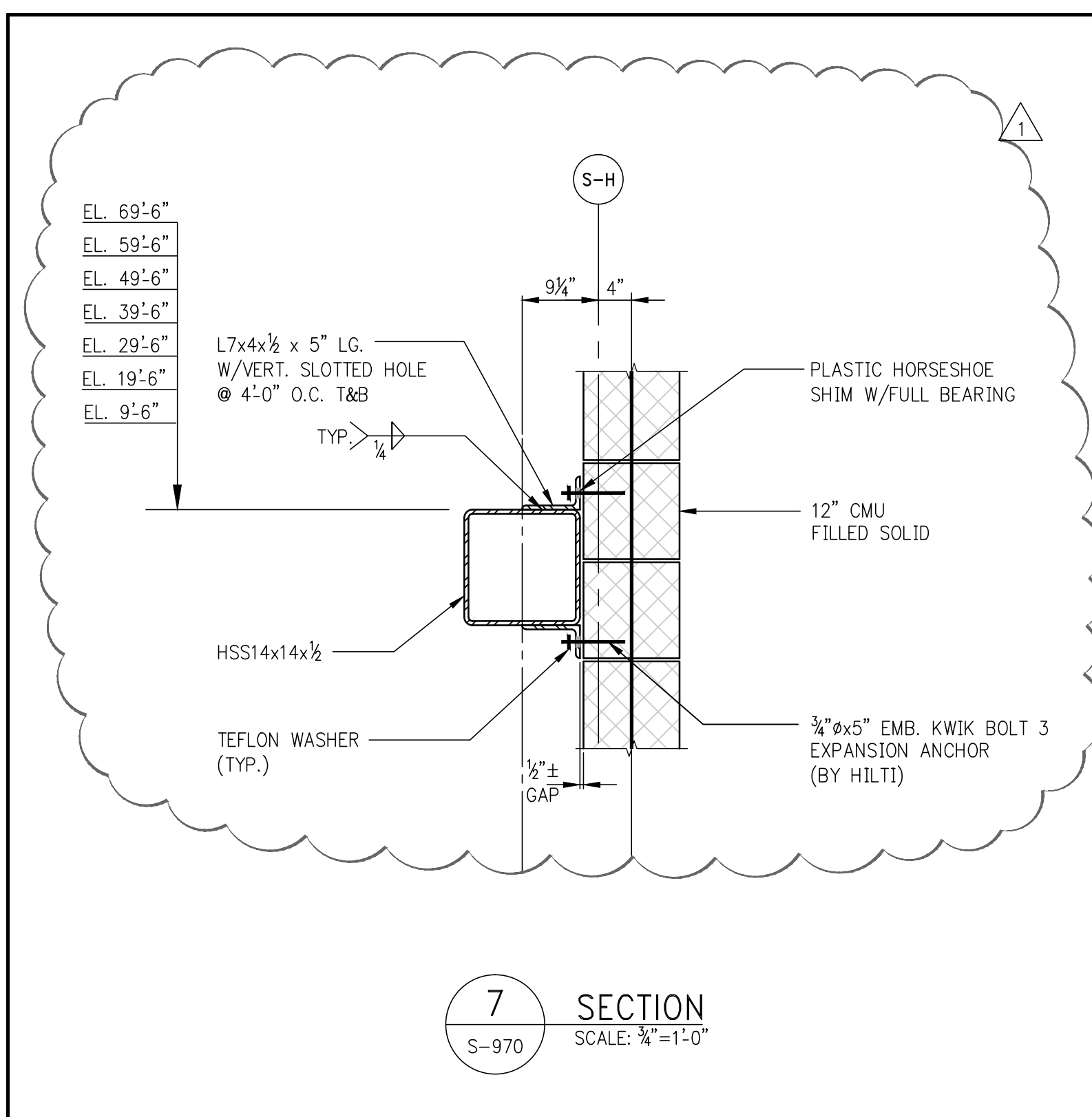
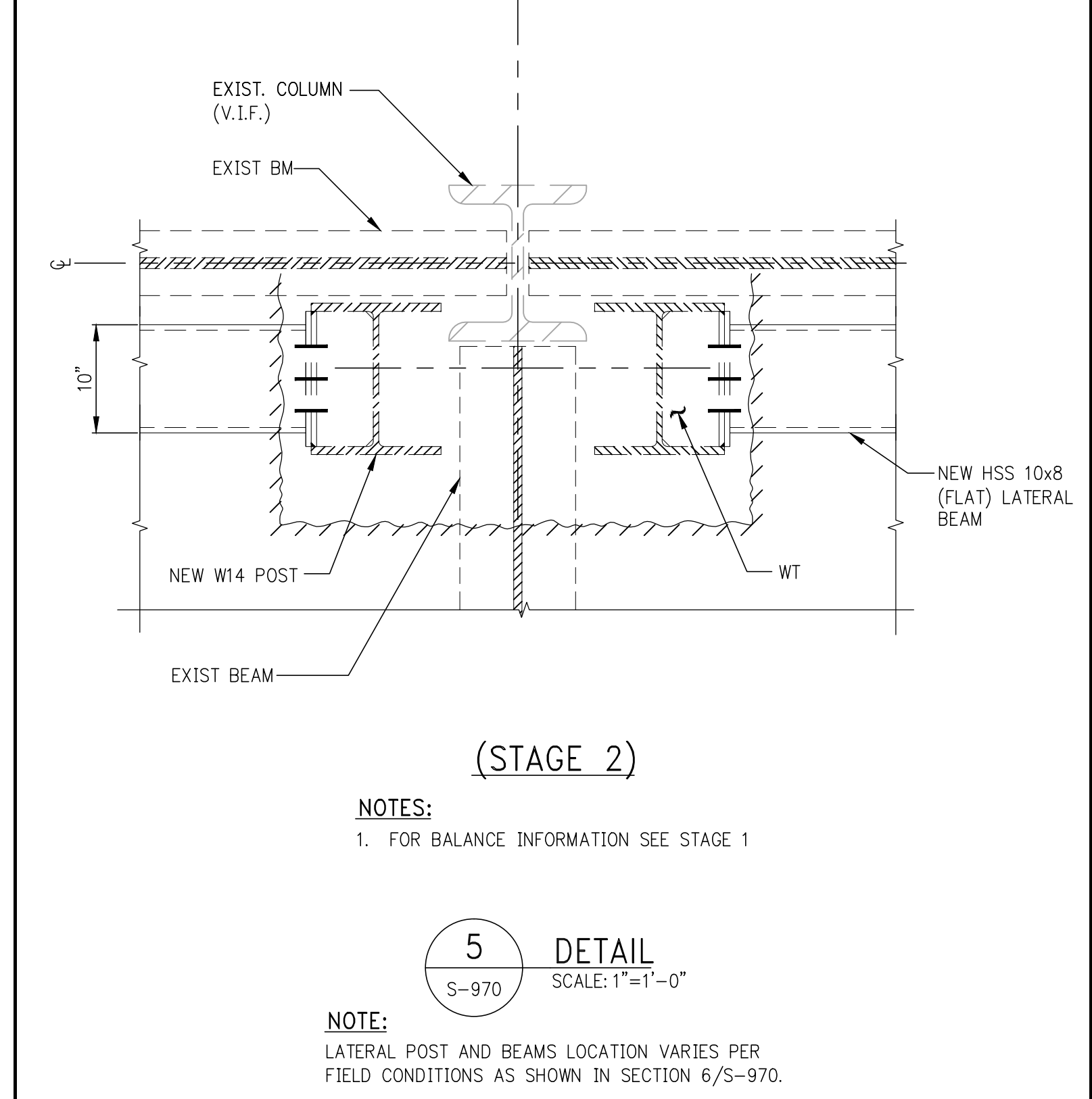
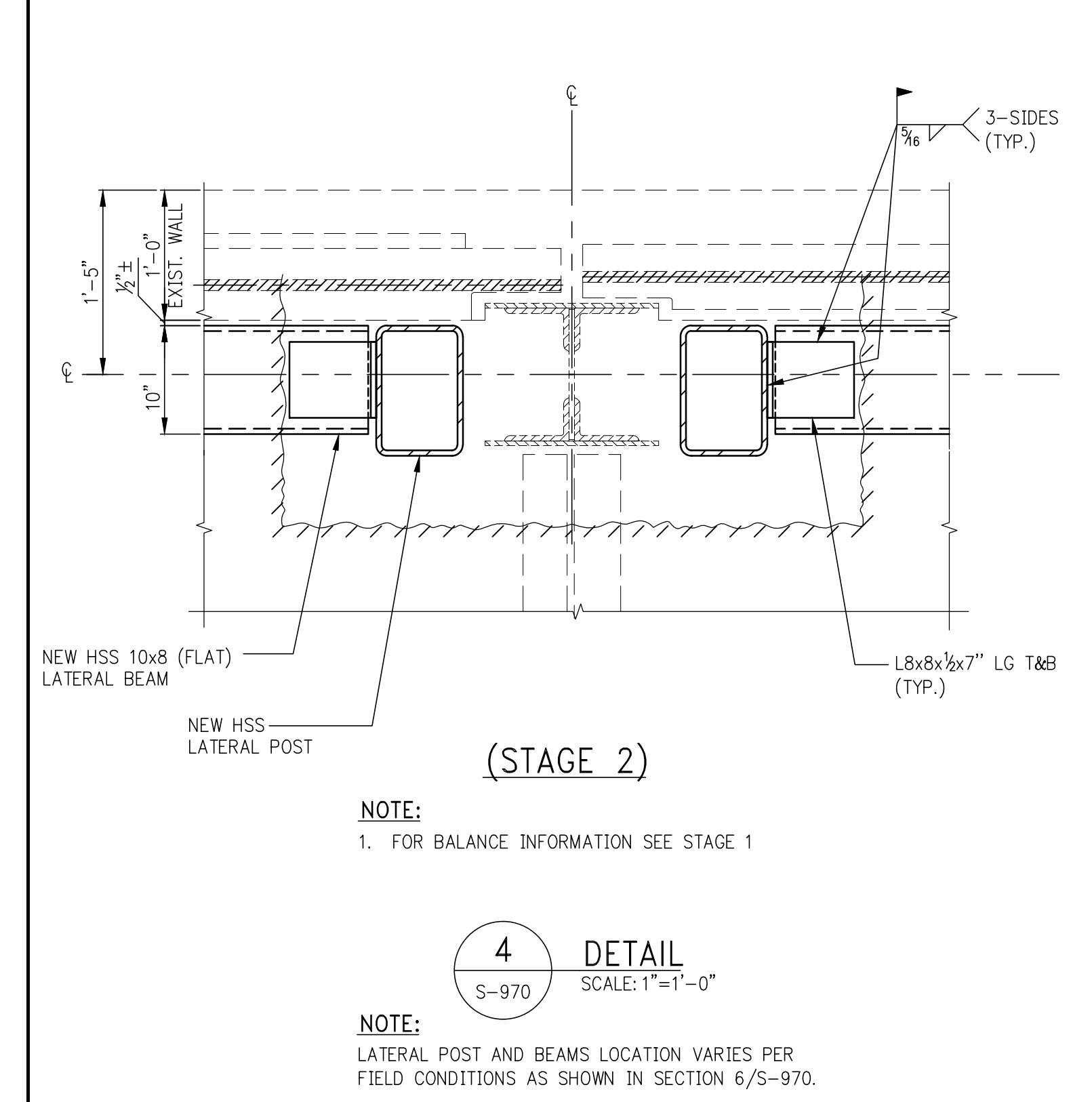
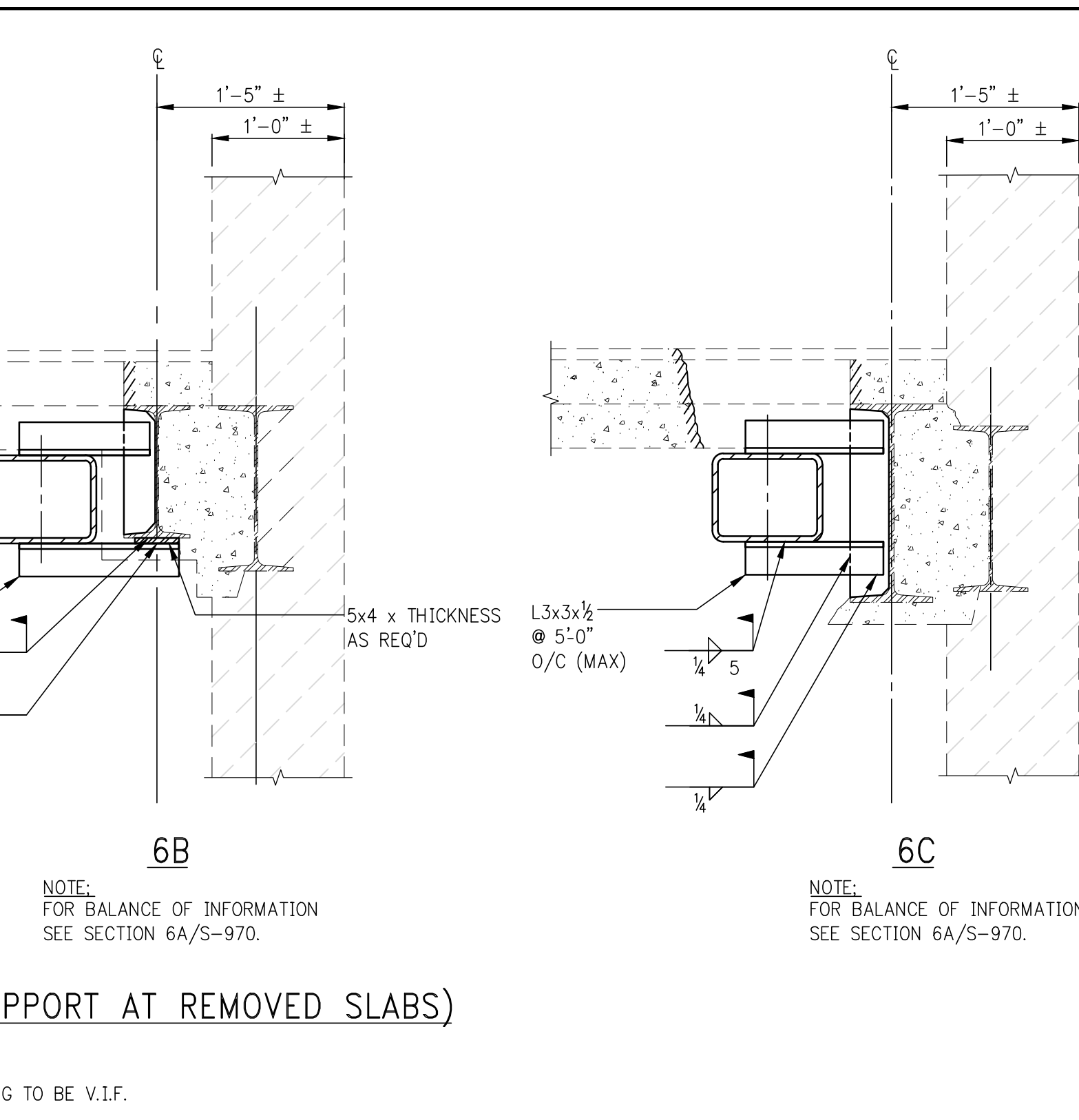
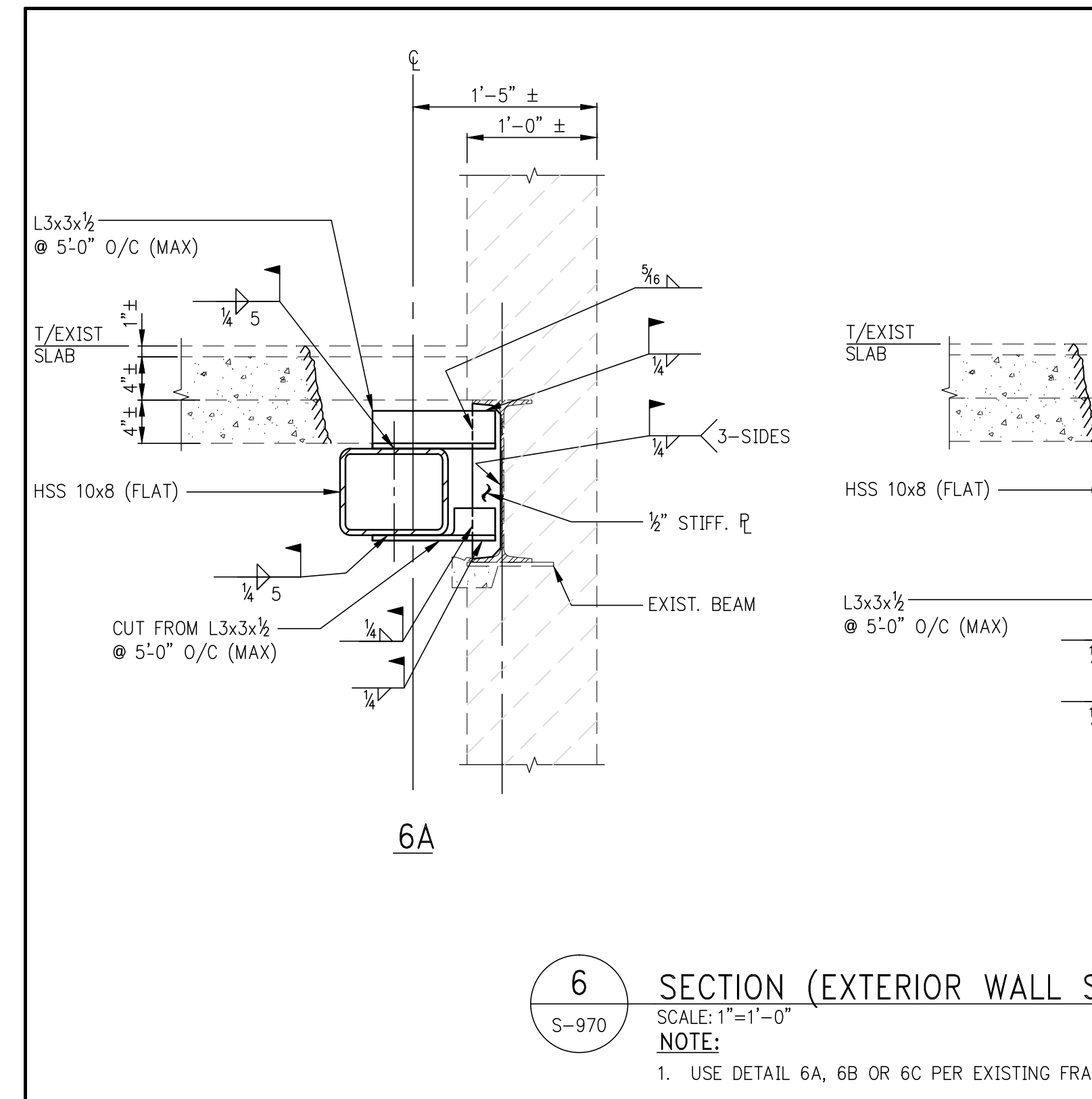
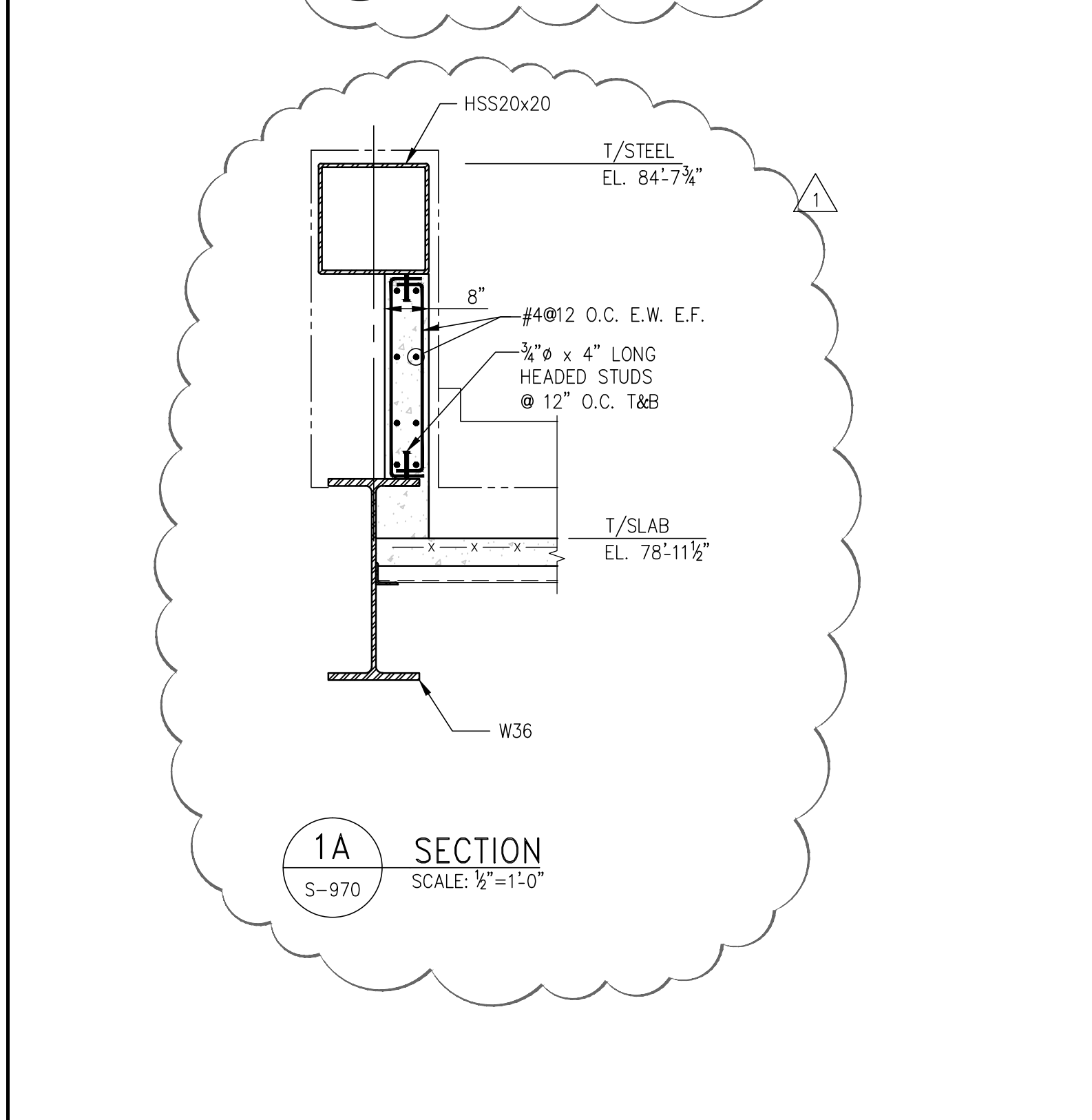
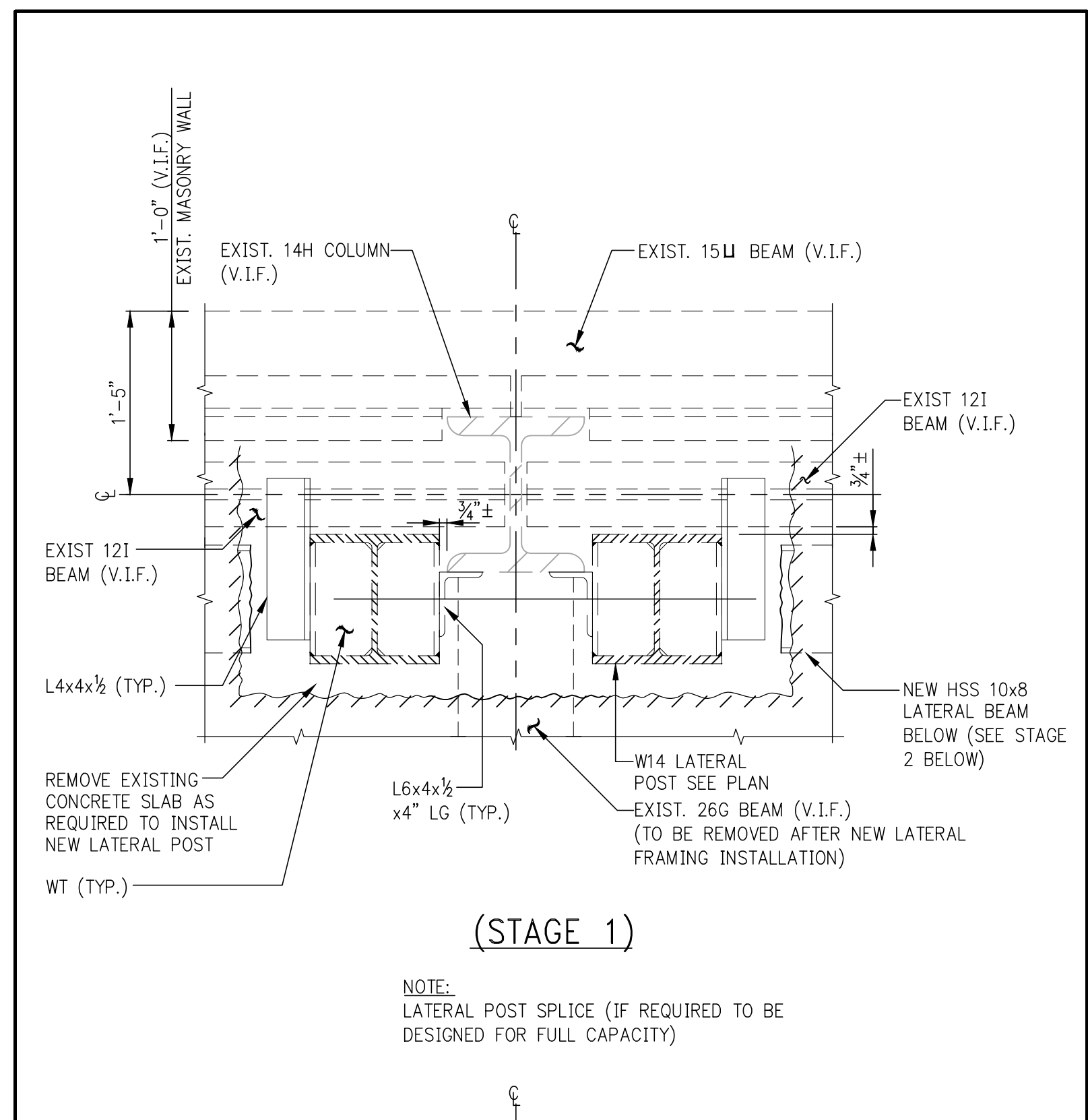
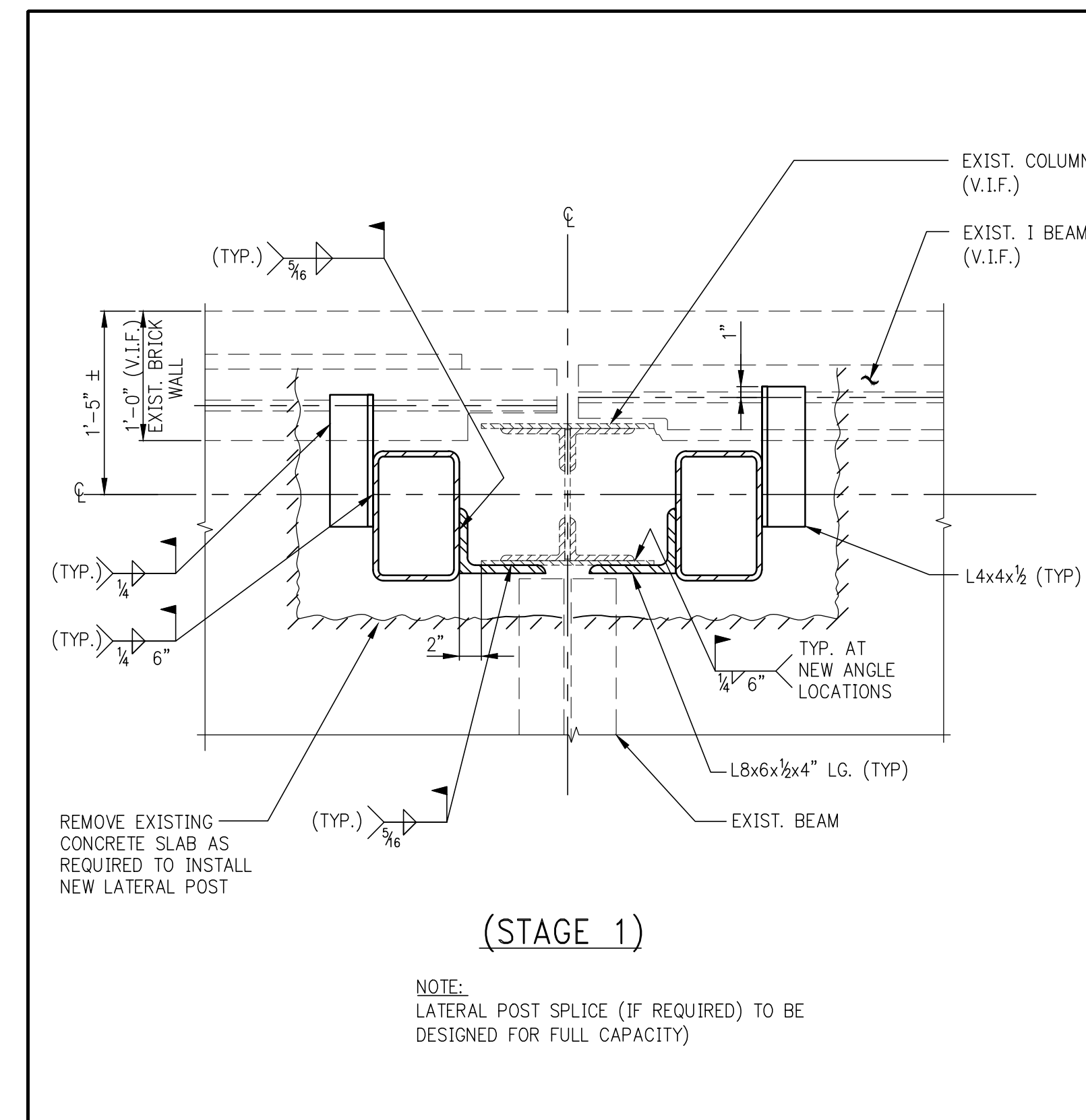
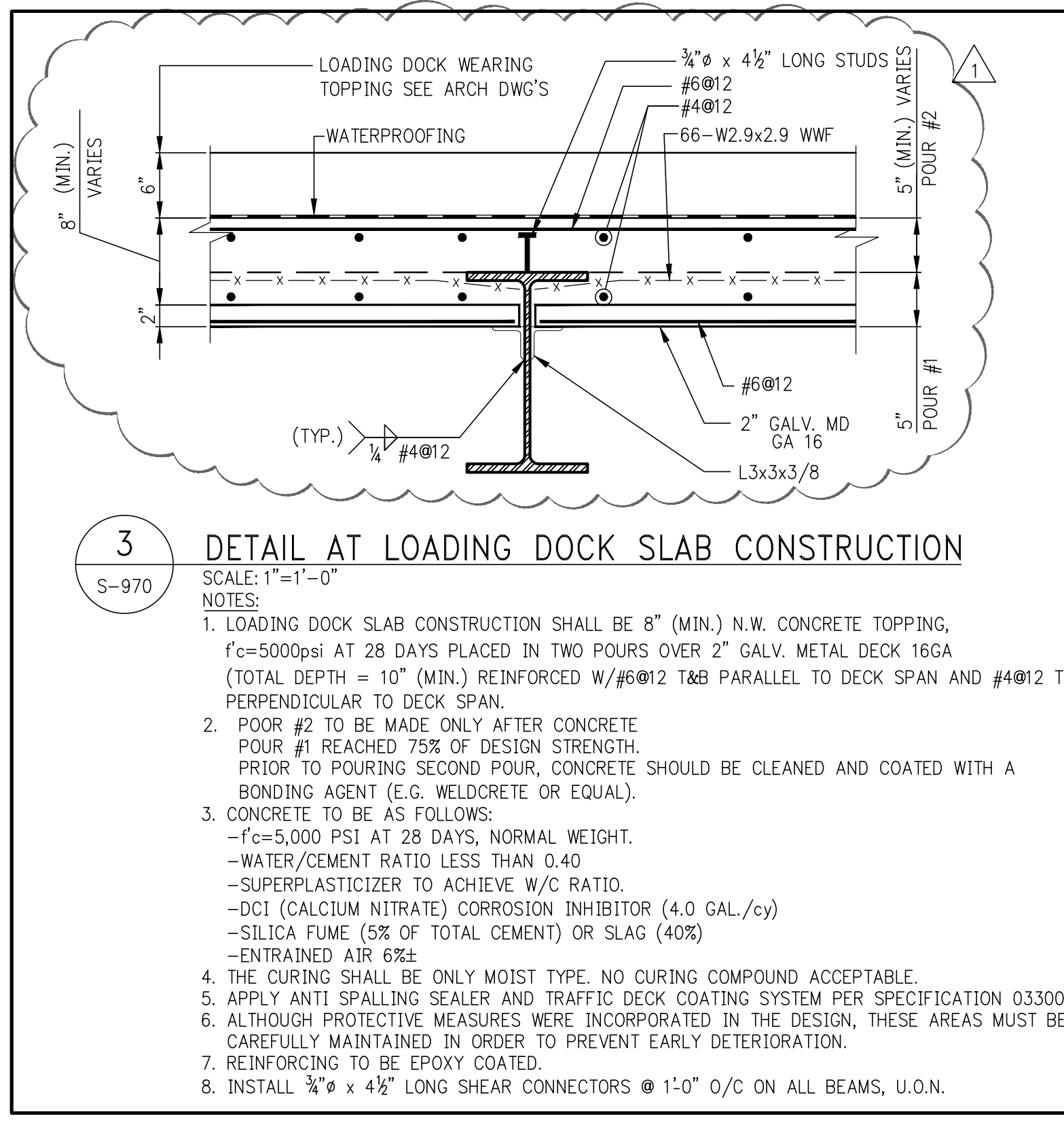
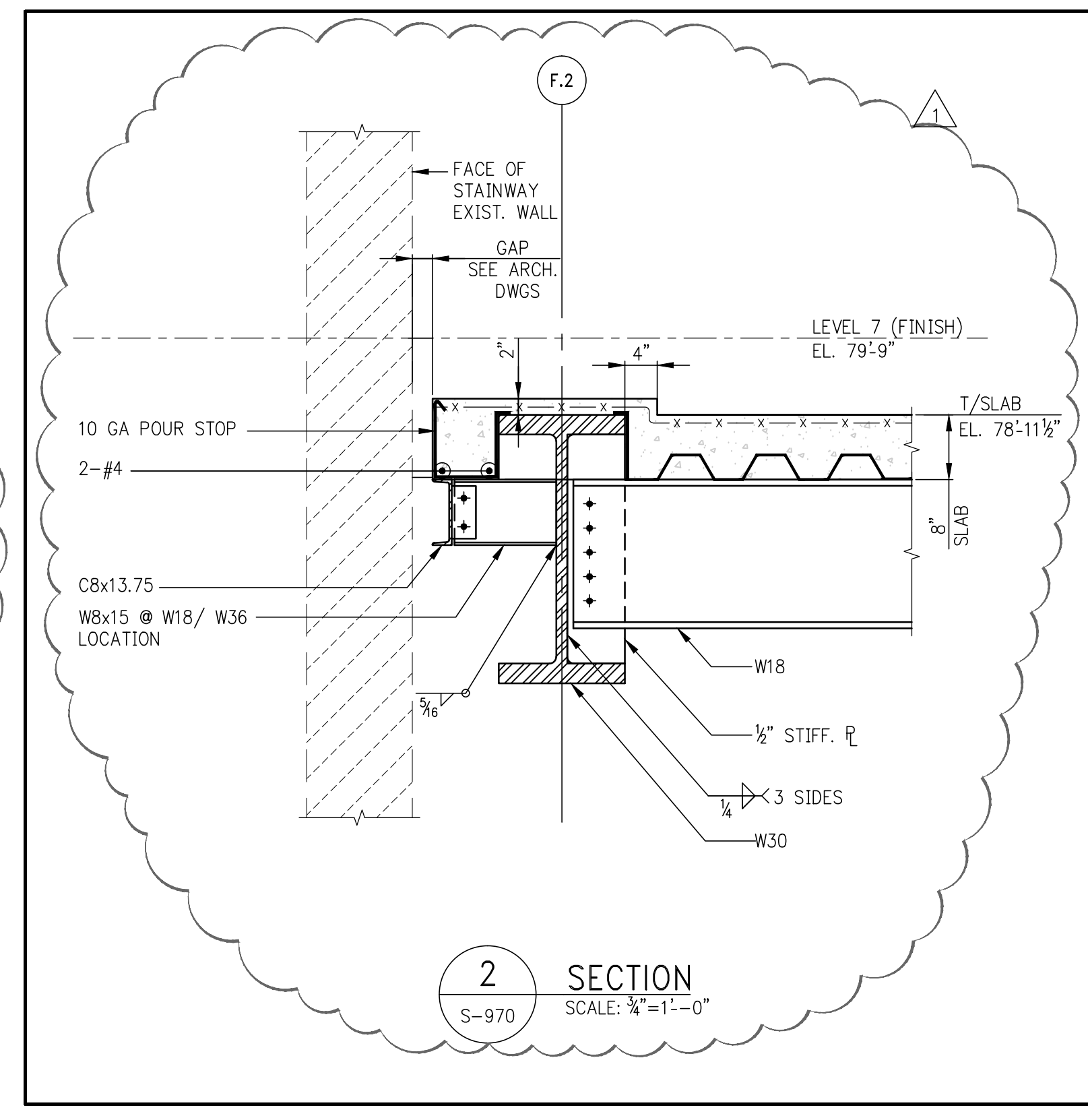
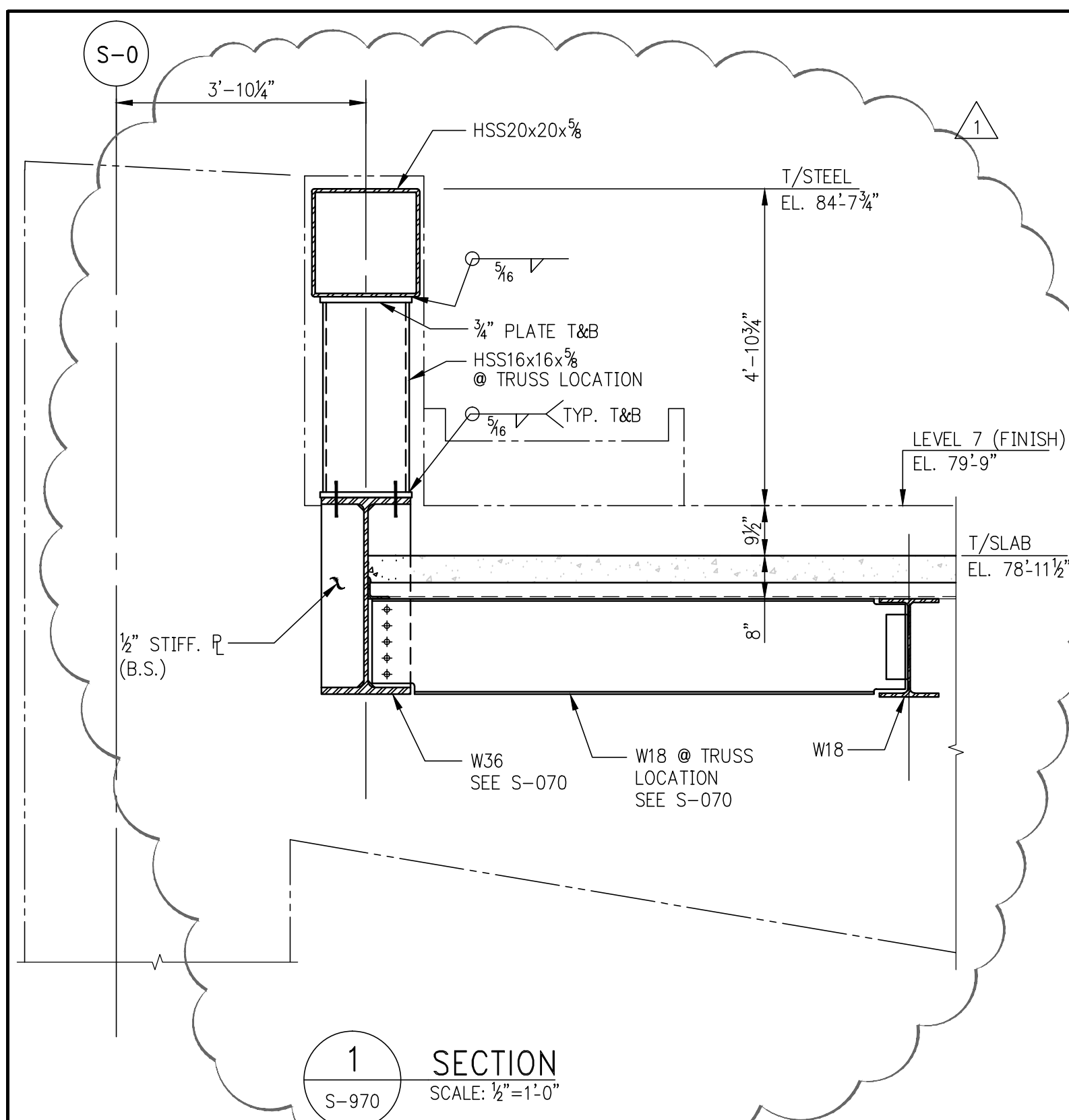
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CONCRETE TYPICAL SUPERSTRUCTURE DETAILS 2

SCALE: AS SHOWN DATE: 07/16/15
 PROJECT NO.: 1310140
 DRAWN BY: CAD
 CHECKED BY: CL
 DATE: 12/13/2006
 DRAWING NUMBER

S-966.01

SHEET XX OF XX



JDS DEVELOPMENT GROUP

ARCHITECT: SHP

PROPERTY MARKETS GROUP

DOB PAA

Shauqat Shaikh

APPROVED Under Directive 2 of 1995

NYC Development Hub

111 WEST 57TH STREET

NEW YORK, NY 10019

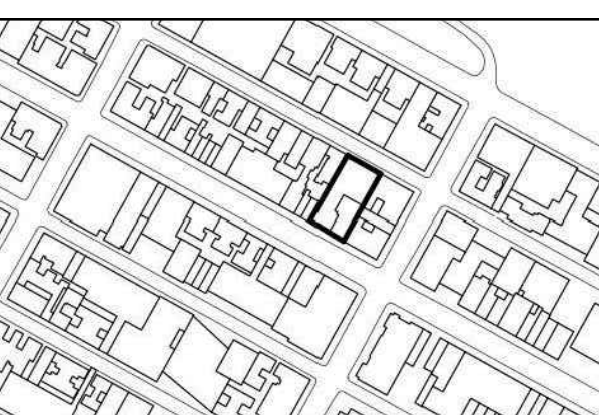
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STEEL SUPERSTRUCTURE SECTIONS 1

S-970.01



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NEW YORK, NY 10019

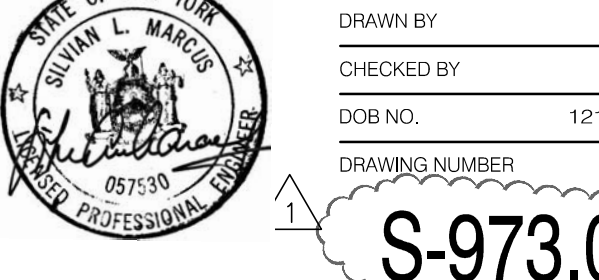


NO.	DATE	REVISION
1	3.27.15	DOB PAA

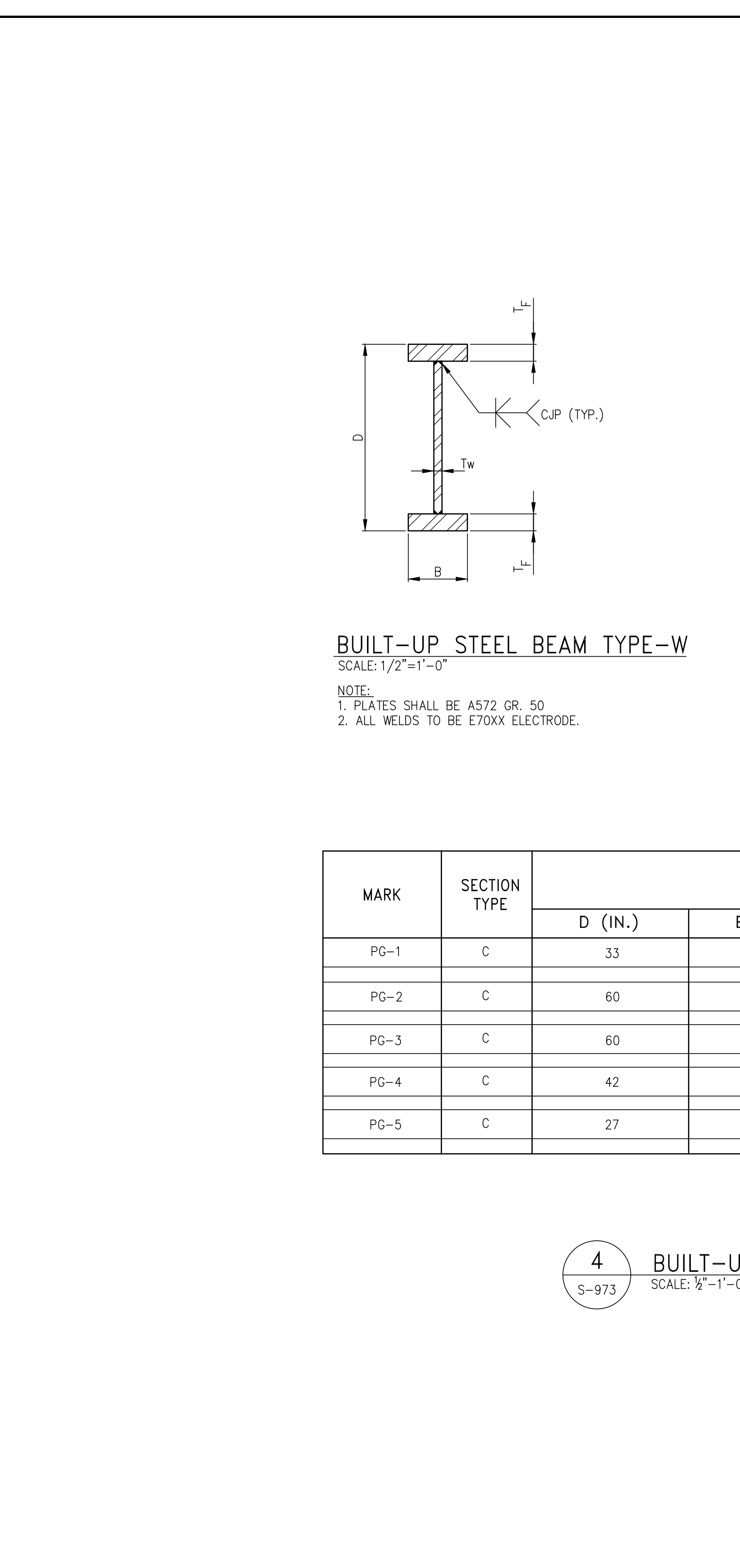
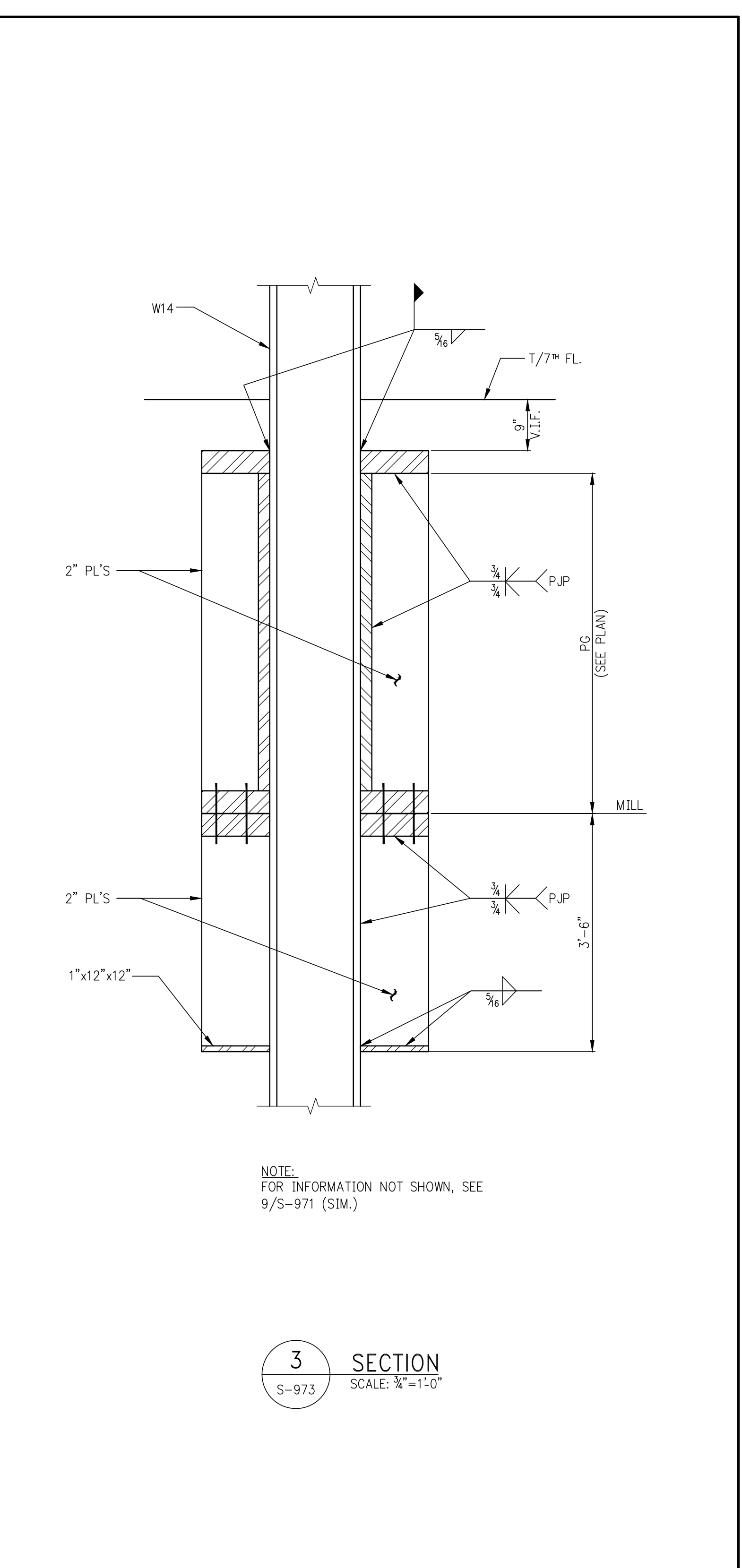
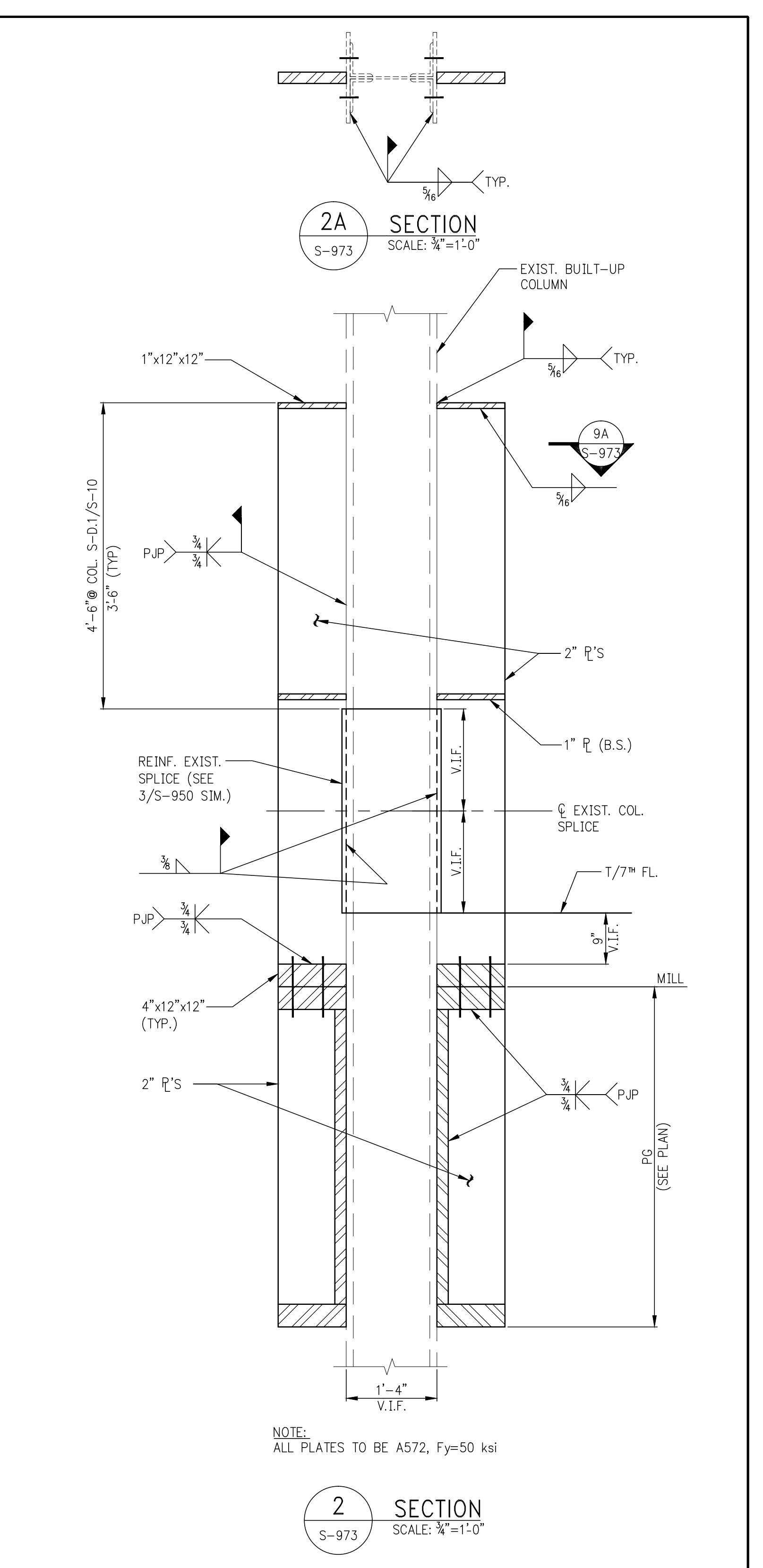
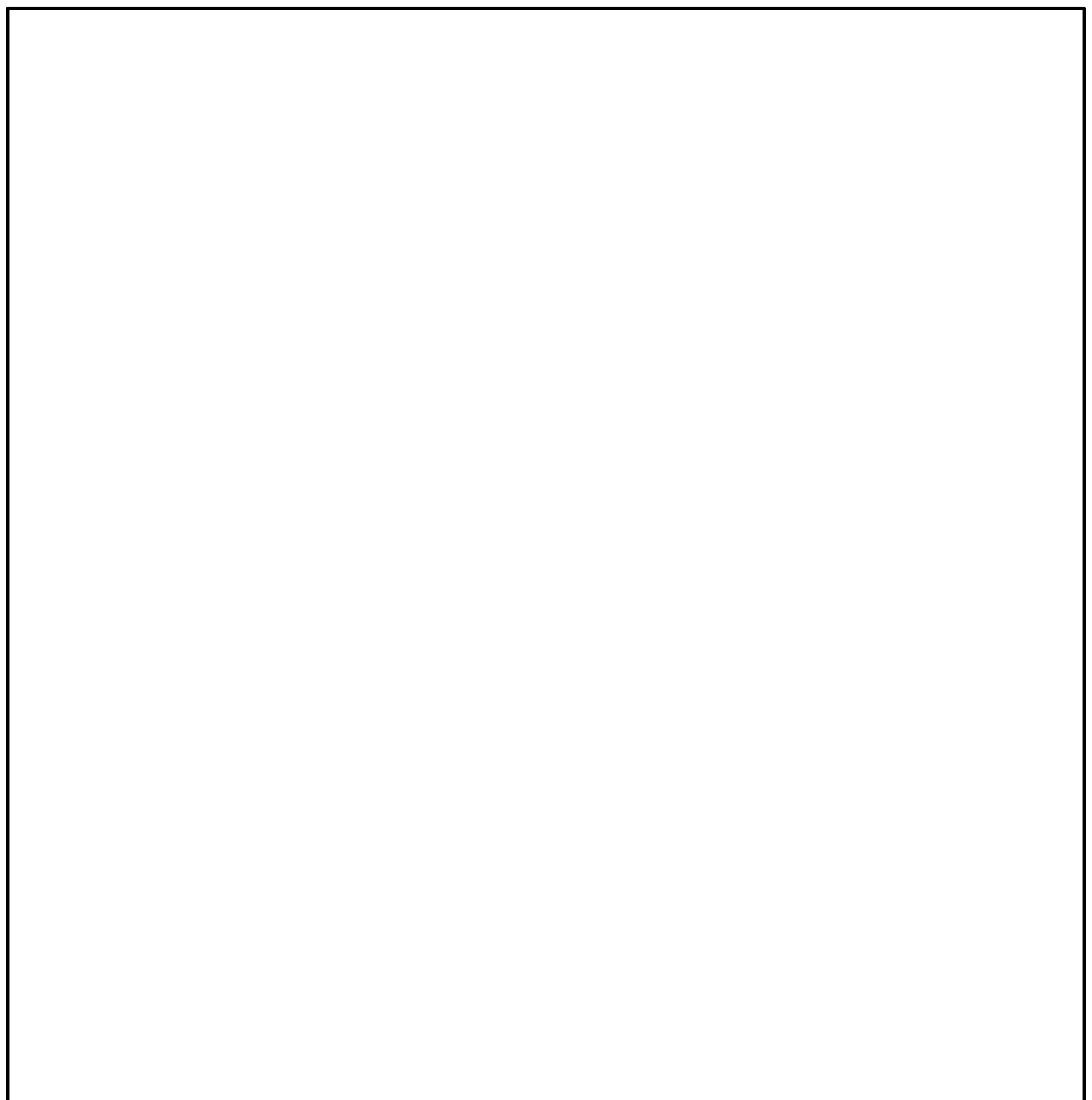
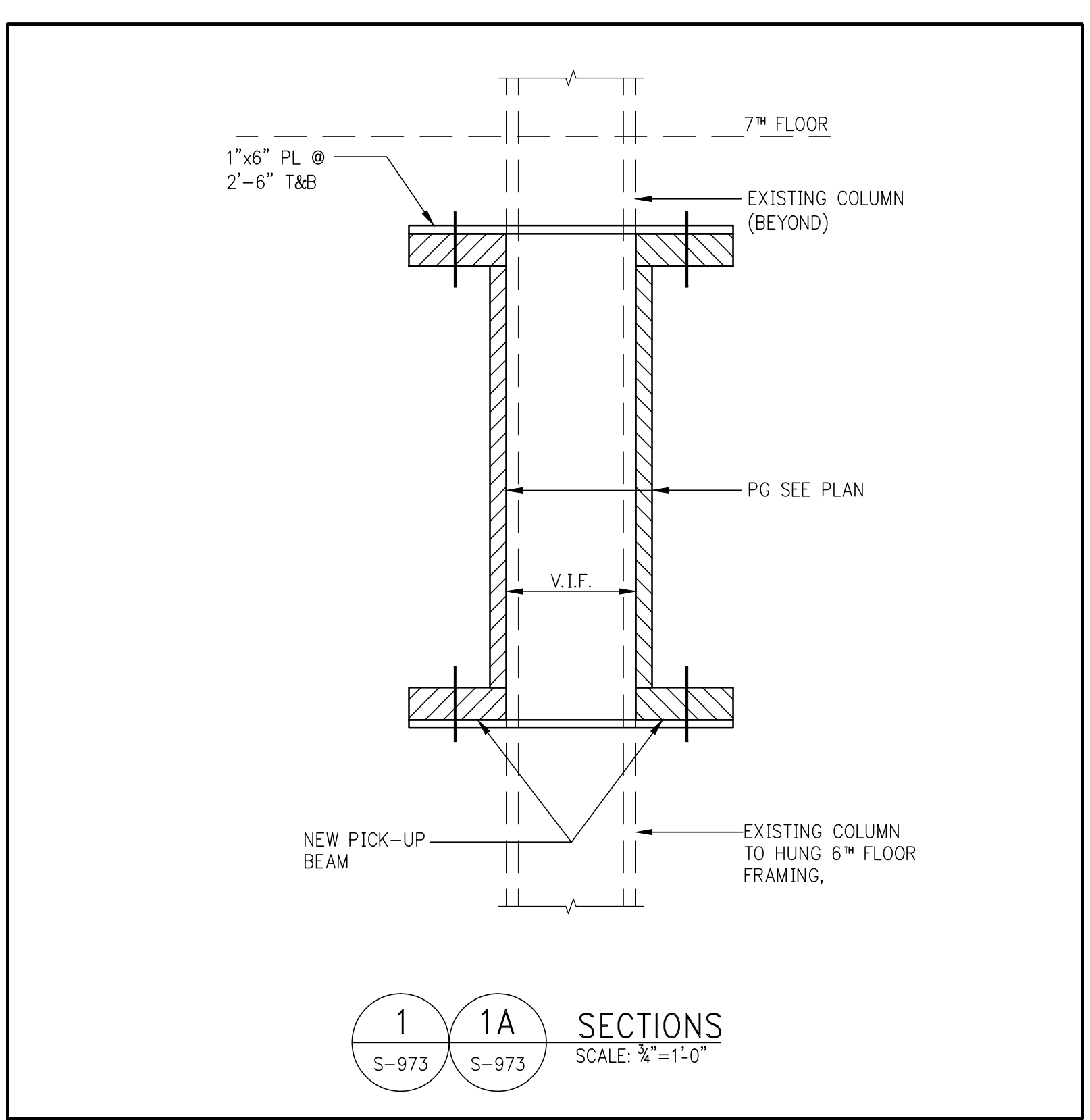
NOT FOR CONSTRUCTION

STEEL SUPERSTRUCTURE SECTIONS 4

SCALE & SIGNATURE DATE 07/16/15
PROJECT NO. 1310140
DRAWN BY CAD
CHECKED BY CL
DOB NO. 121330060
DRAWING NUMBER



S-973.01
SHEET XX OF XX

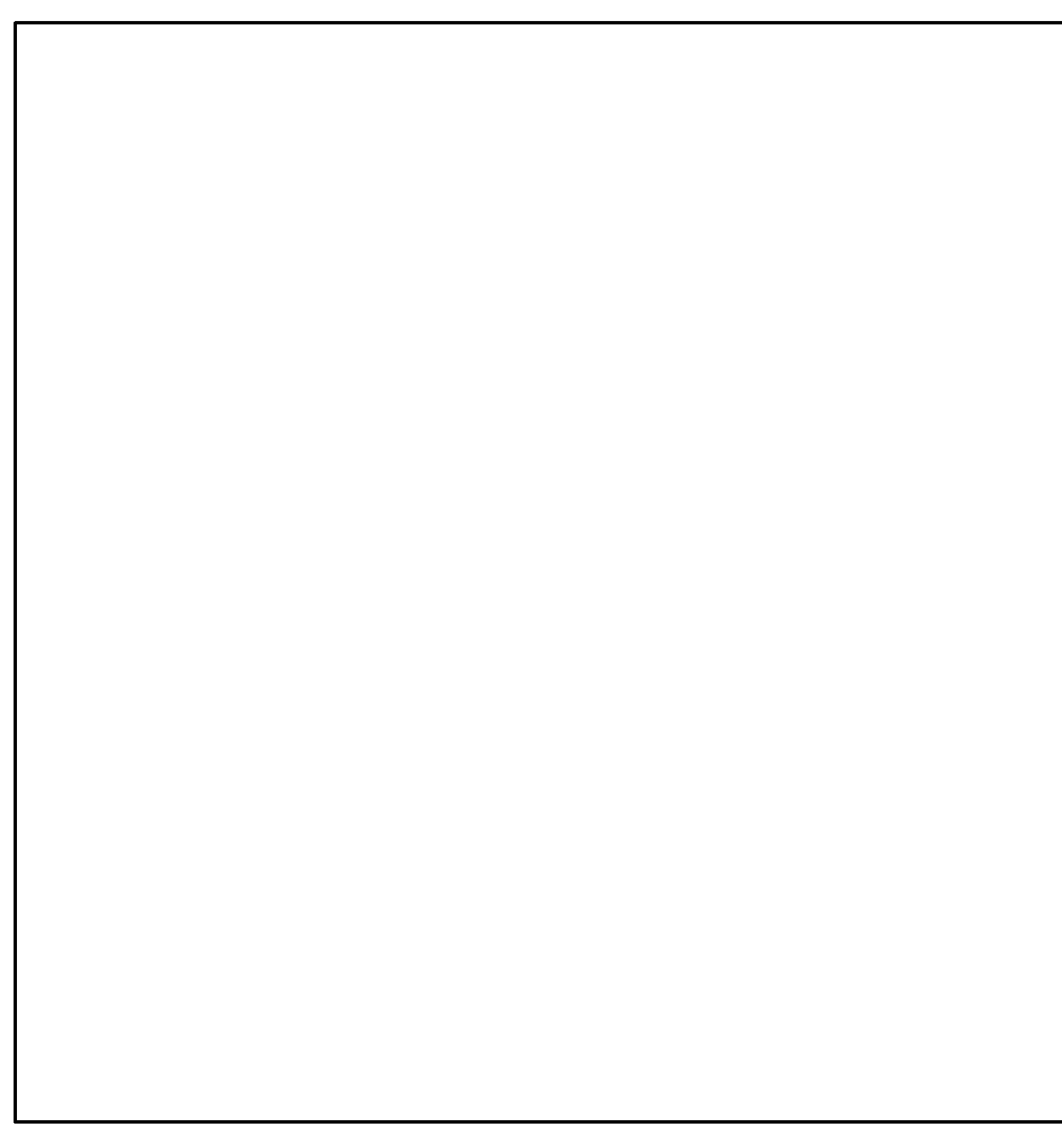
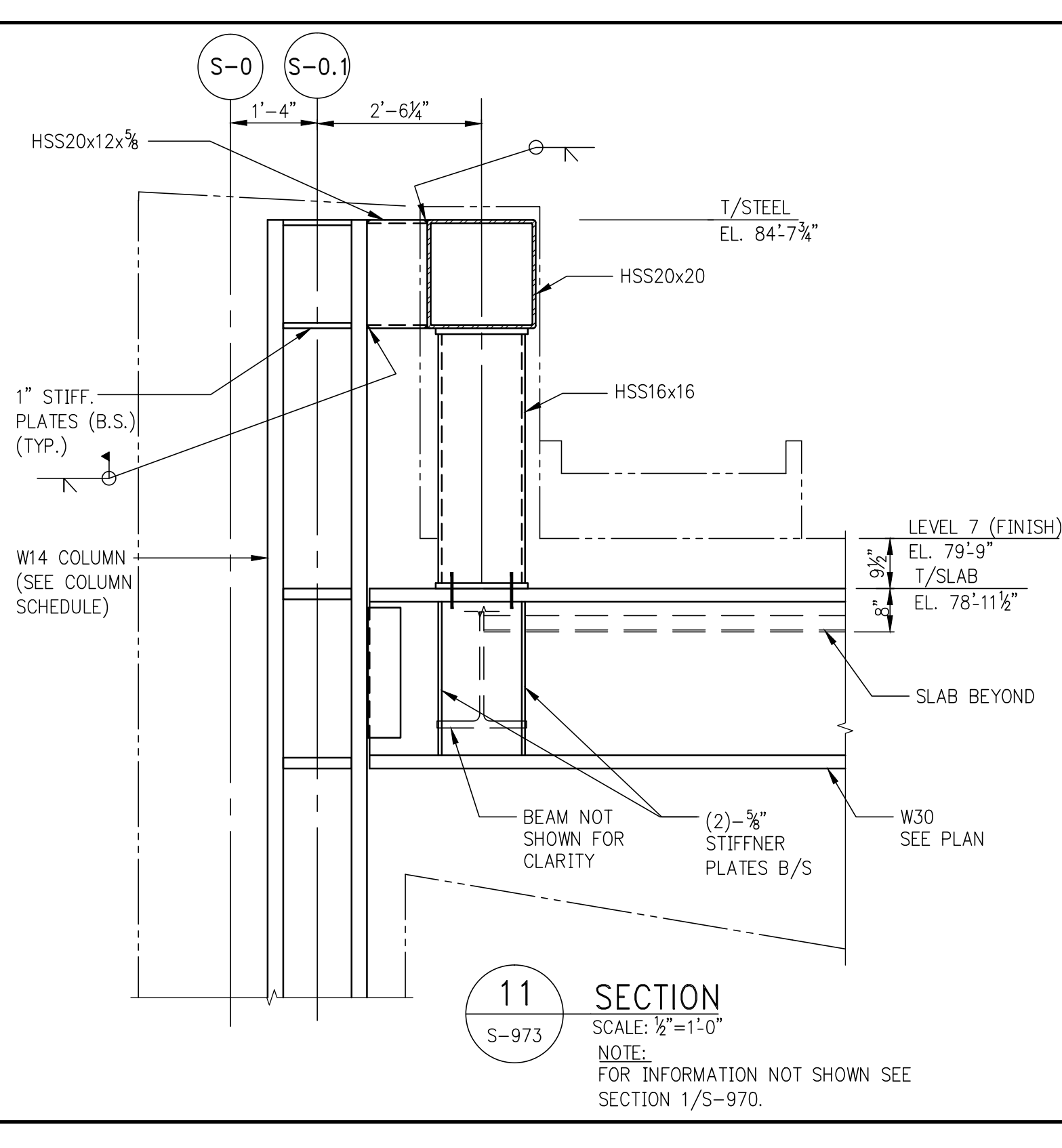
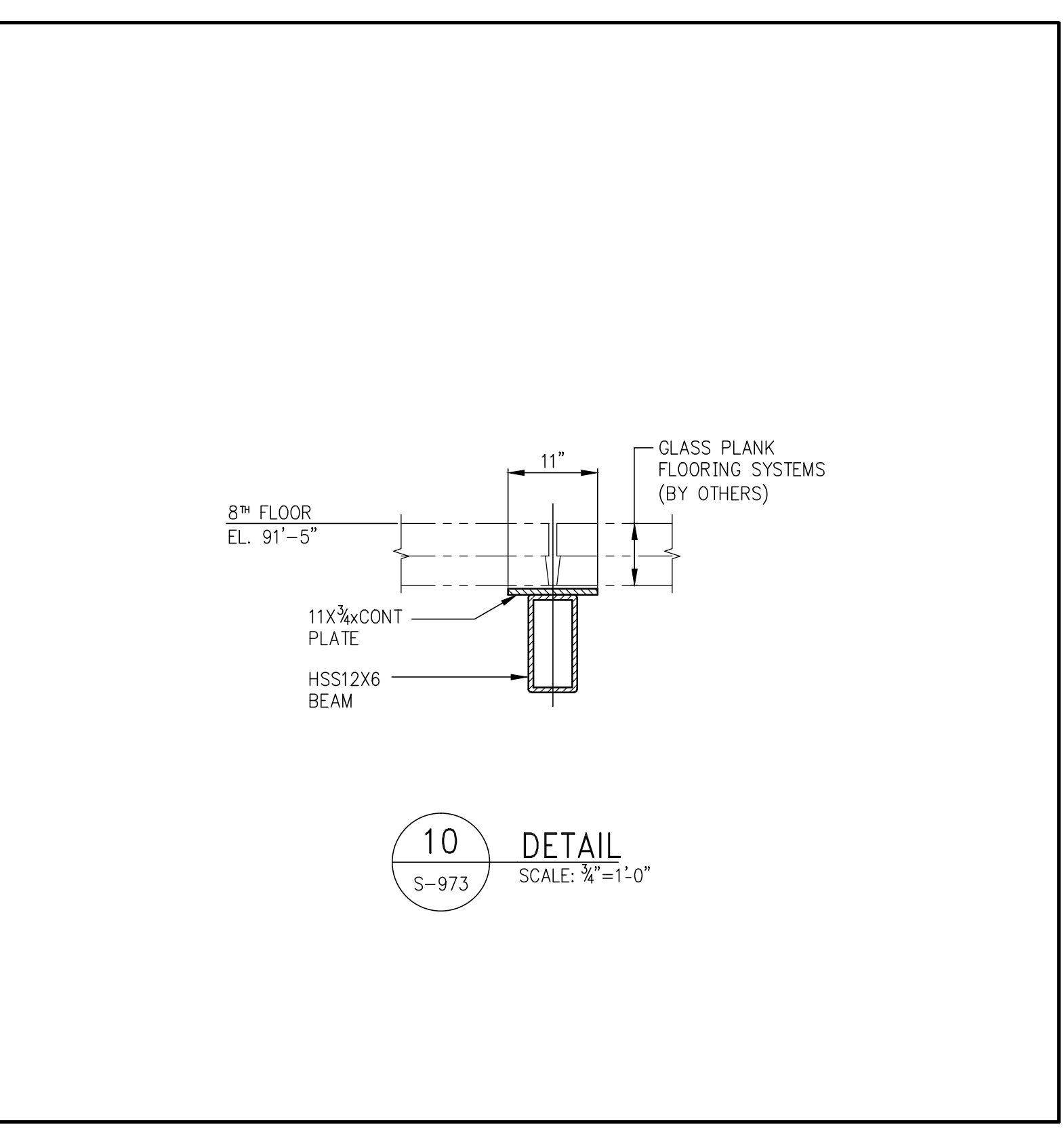
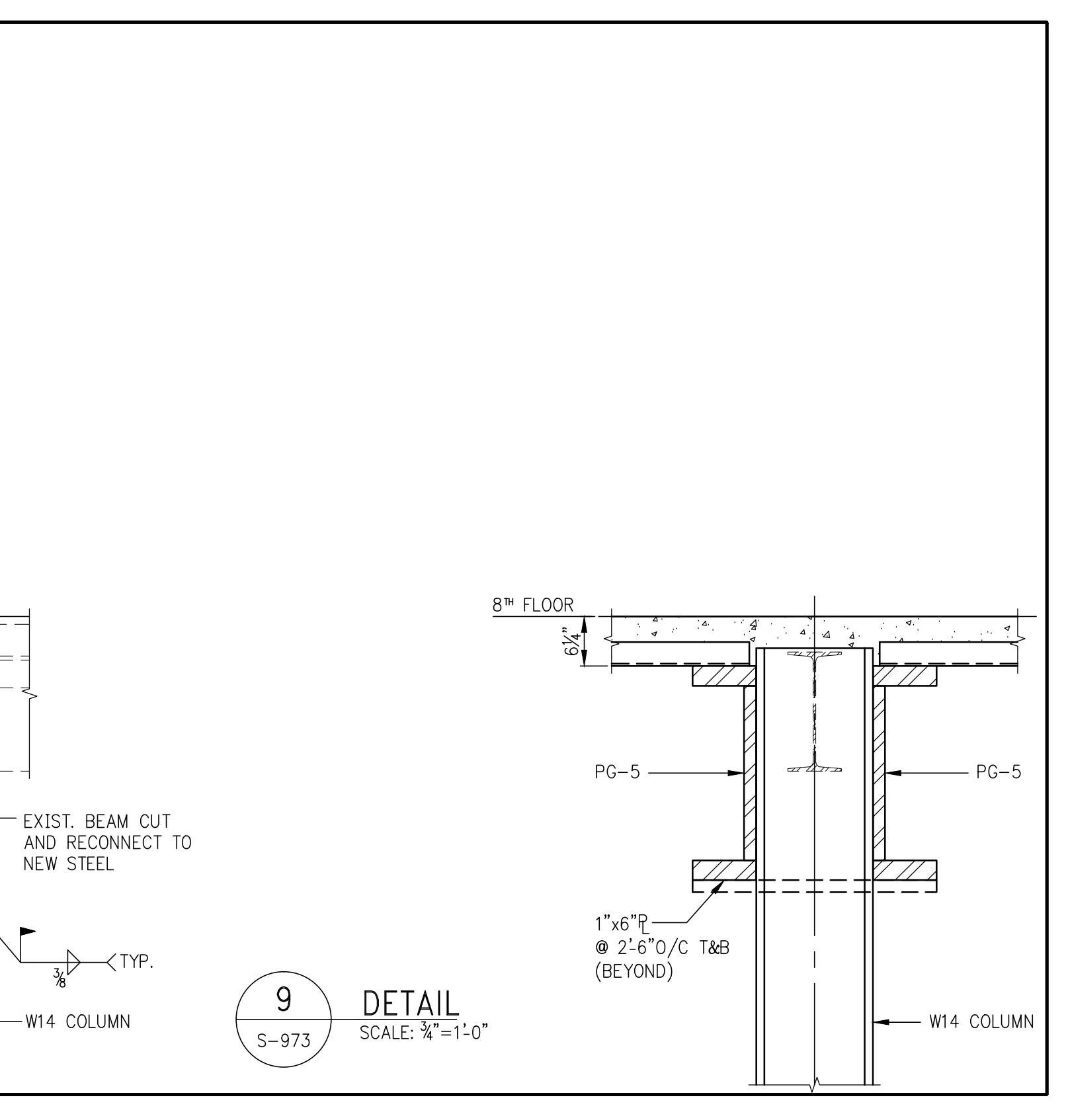
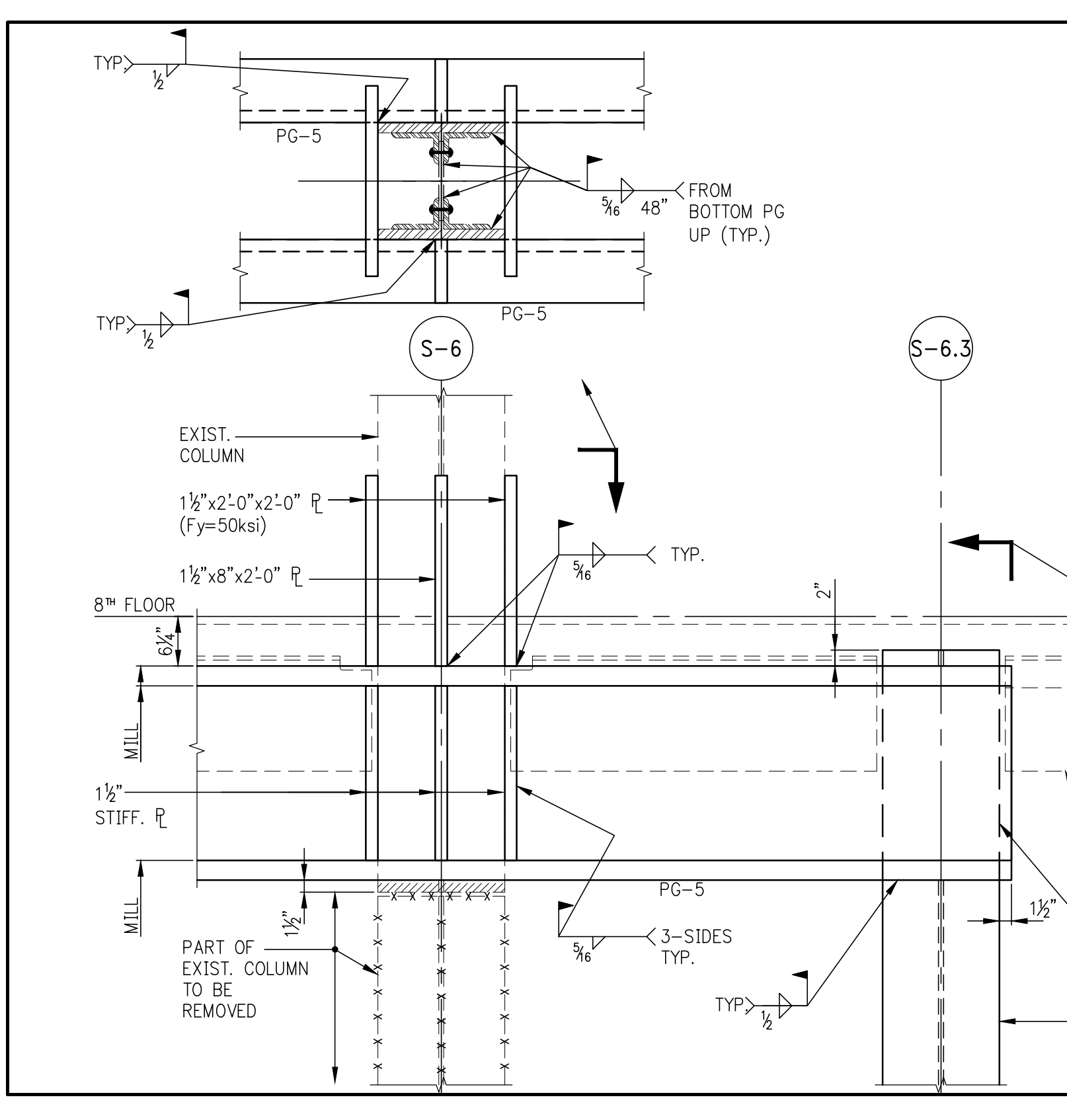
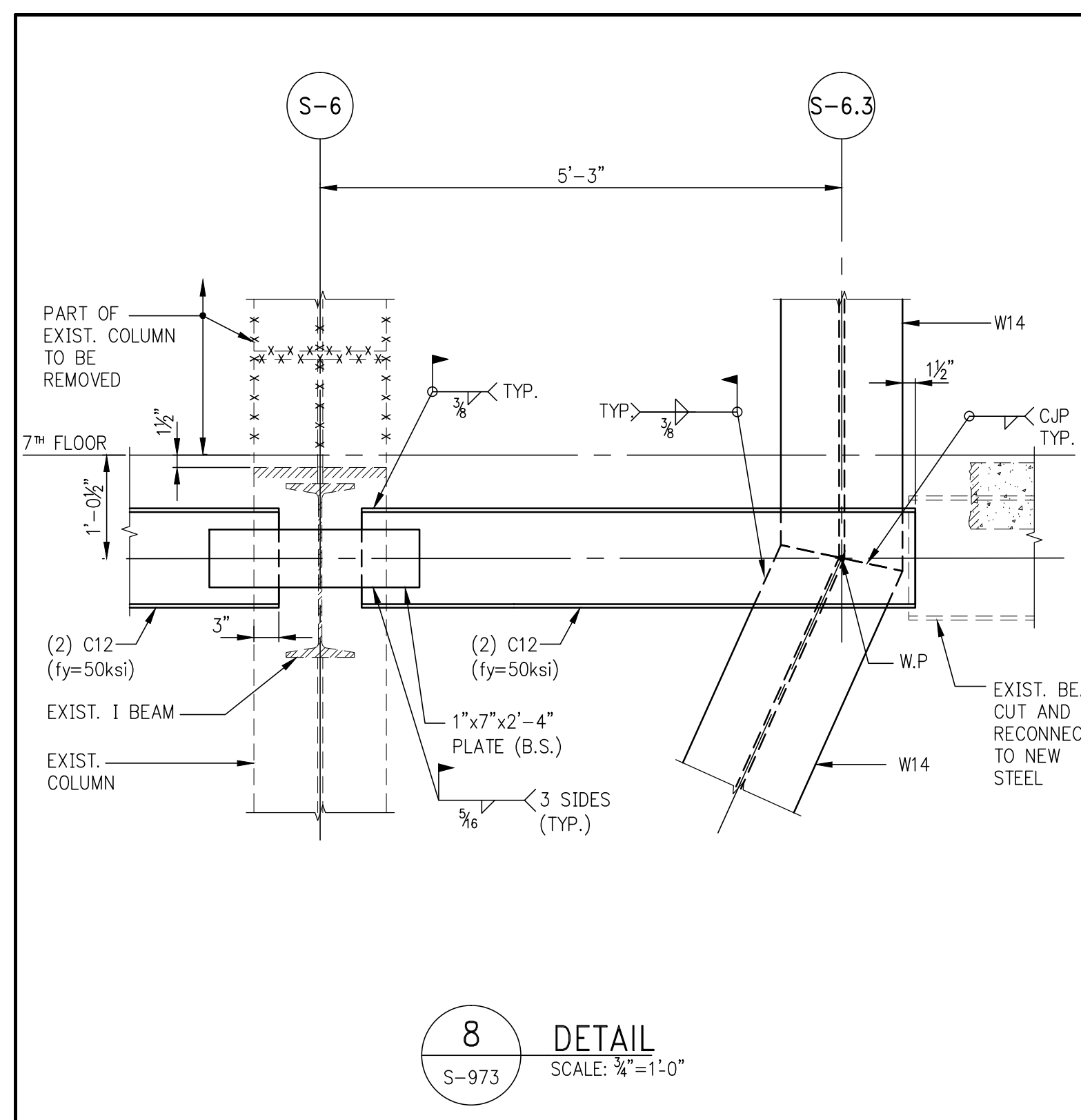
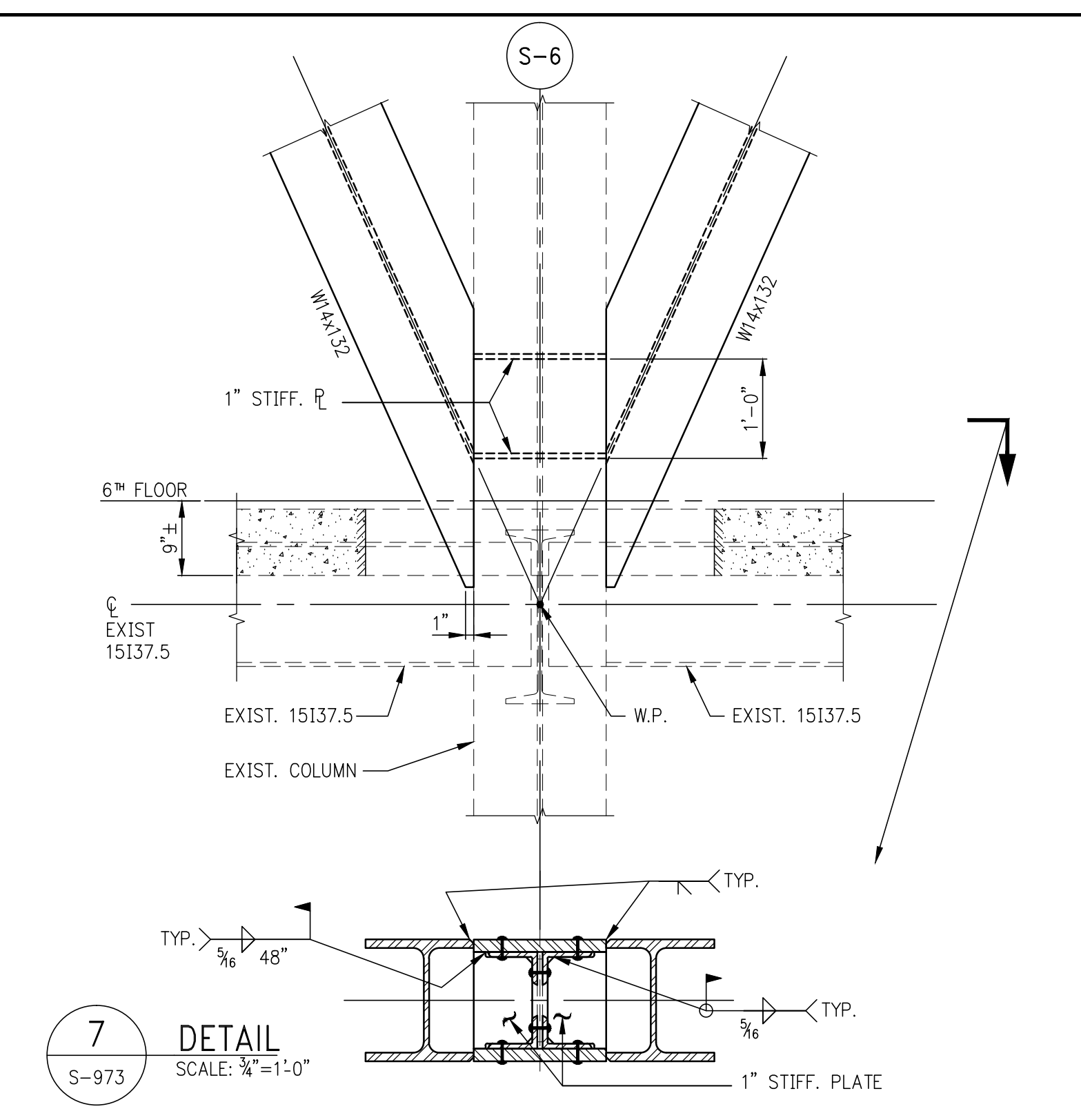
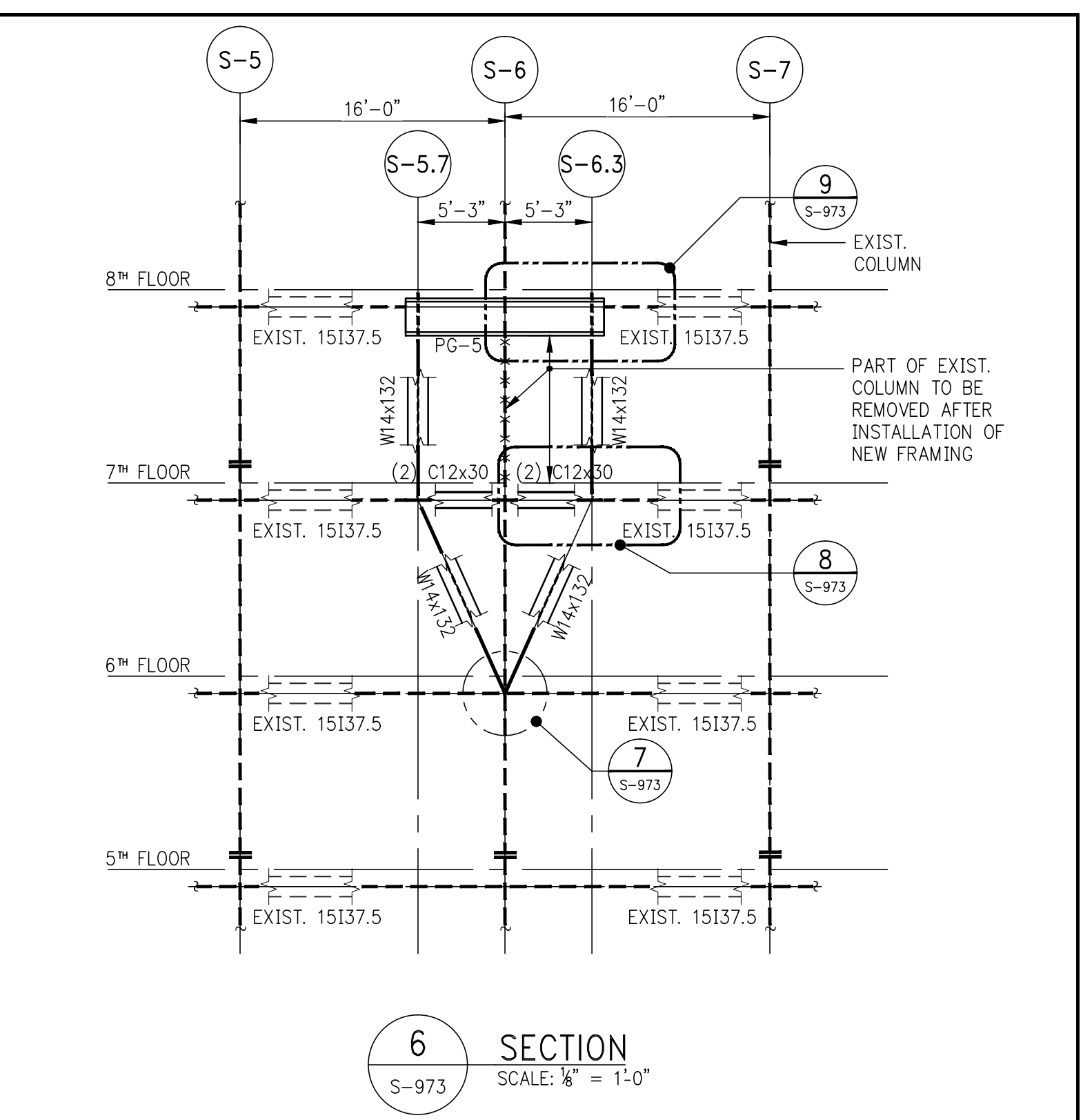
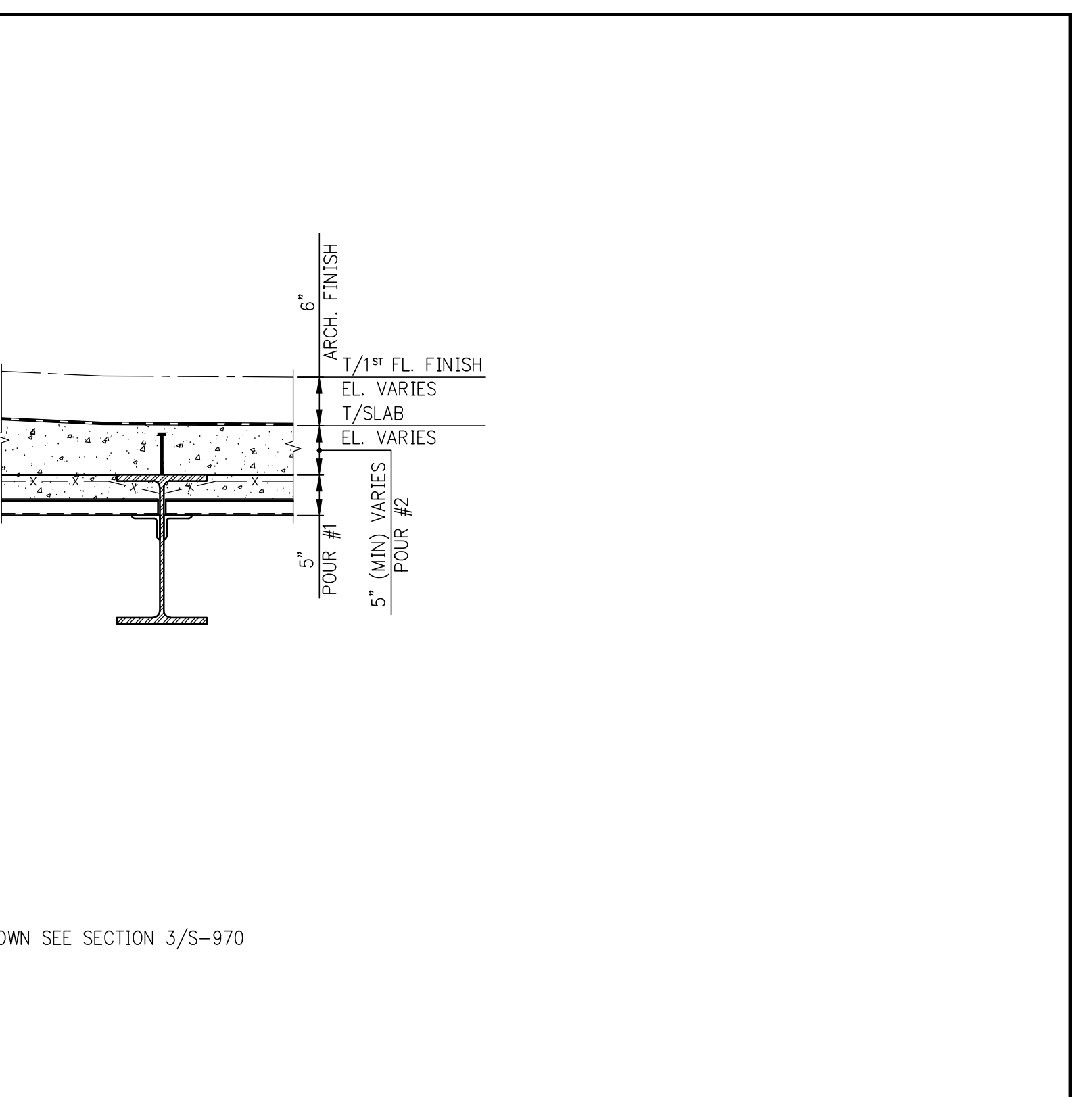
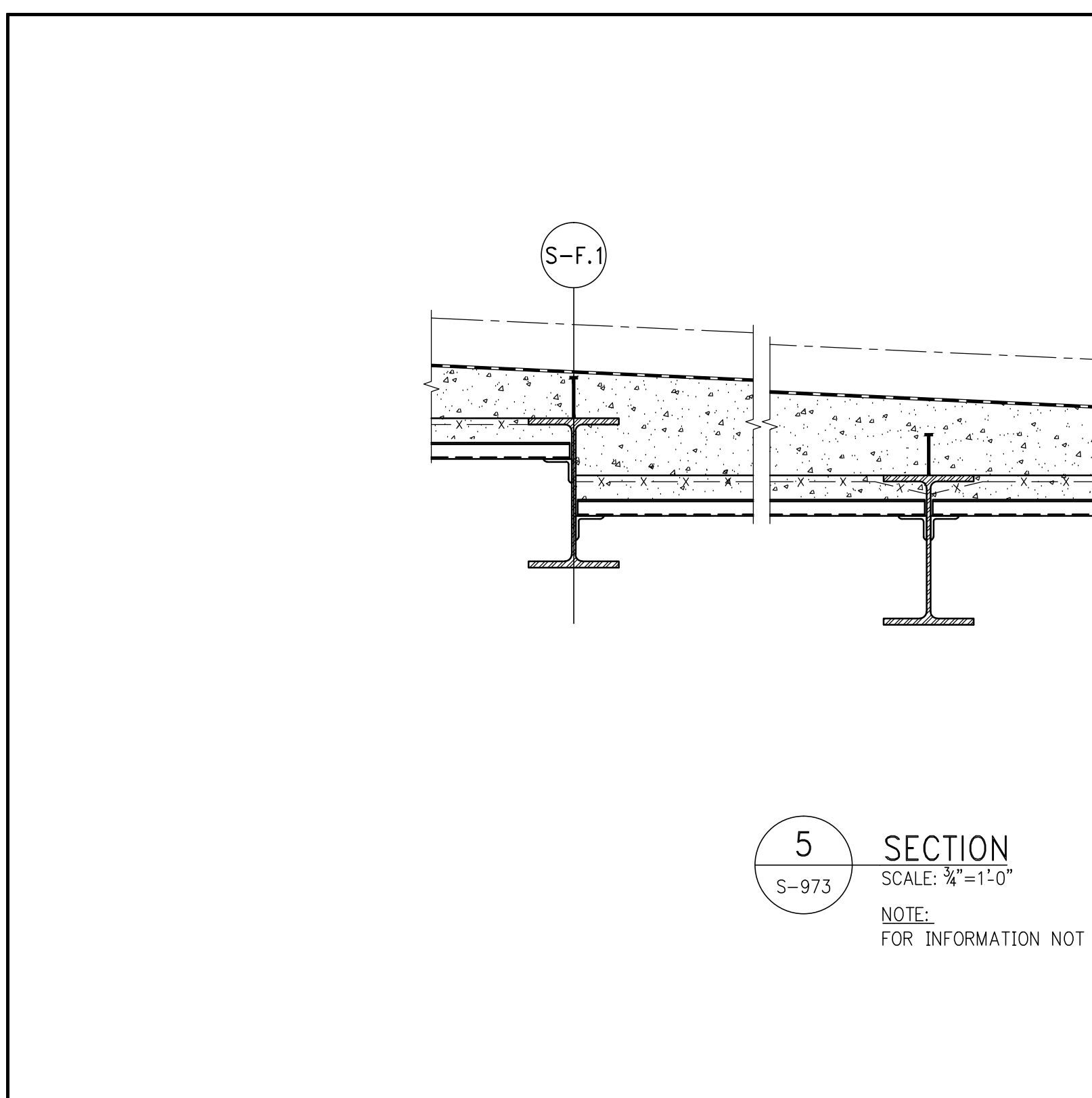


BUILT-UP STEEL BEAM TYPE-W
SCALE: 1/2"=1'-0"

BUILT-UP STEEL BEAM TYPE-C
SCALE: 1/2"=1'-0"

NOTE:
1. PLATES SHALL BE A572 GR. 50
2. ALL WELDS TO BE E70XX ELECTRODE.

MARK	SECTION TYPE	PLATE DIMENSION			
		D (IN.)	B (IN.)	TF (IN.)	TW (IN.)
PG-1	C	33	9	3-1/2	1-1/2
PG-2	C	60	12	4	2
PG-3	C	60	12	4	2
PG-4	C	42	9	3	2
PG-5	C	27	8	2 1/2	1 1/4





JDS DEVELOPMENT GROUP
 124 WEST 57TH STREET, 17TH FLOOR
 NEW YORK, NY 10019
 TEL: 646.452.3650



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 SHP ARCHITECTS, P.C.
 230 BROOKWAY, 17TH FLOOR
 NEW YORK, NY 10007
 TEL: 212.686.8000

STRUCTURAL ENGINEER
 SHP CANON BERKIN
 230 BROOKWAY, 17TH FLOOR
 NEW YORK, NY 10007
 TEL: 212.686.8000

MEP ENGINEER
 JAFFES BALM & SCHELES
 400 WEST 10TH STREET, 17TH FLOOR
 NEW YORK, NY 10007
 TEL: 212.255.0000

ACoustICS
 LONKMAN INCELEY
 40 WEST 20TH STREET, 4TH FLOOR
 NEW YORK, NY 10011
 TEL: 917.208.3887

INTERIORS
 STUDIO SOURCE
 360 LEXINGTON STREET
 NEW YORK, NY 10017
 TEL: 212.475.1000

FAÇADE
 BUREAU HOFFOLD
 100 BROOKWAY, 10TH FLOOR
 NEW YORK, NY 10005
 TEL: 212.254.2025

VERTICAL TRANSPORTATION
 VAN DEUSEN & ASSOCIATES
 5 FREEDOM STREET, SUITE 514
 LARKSPUR, NY 07033
 TEL: 201.964.9000

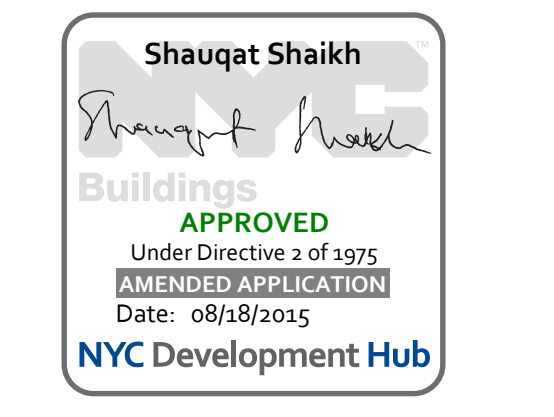
RESTORATION
 JAN HED POKORNY ASSOCIATES
 30 WEST 37TH STREET, FLOOR 12A
 NEW YORK, NY 10018
 TEL: 212.269.6442

GEOTECH
 MRICE
 225 WEST 24TH STREET, 8TH FLOOR
 NEW YORK, NY 10001
 TEL: 917.288.8000

LIGHTING
 COOPERATIVE INTERNATIONAL
 100 WALKER STREET, 7TH FLOOR EAST
 NEW YORK, NY 10002
 TEL: 212.255.4453

PROPERTY MARKETS GROUP
 5 EAST 47TH STREET, 16th FLOOR
 NEW YORK, NY 10017
 TEL: 212.619.0900

CURRENT ISSUE
DOB PAA



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NO.	DATE	REVISION

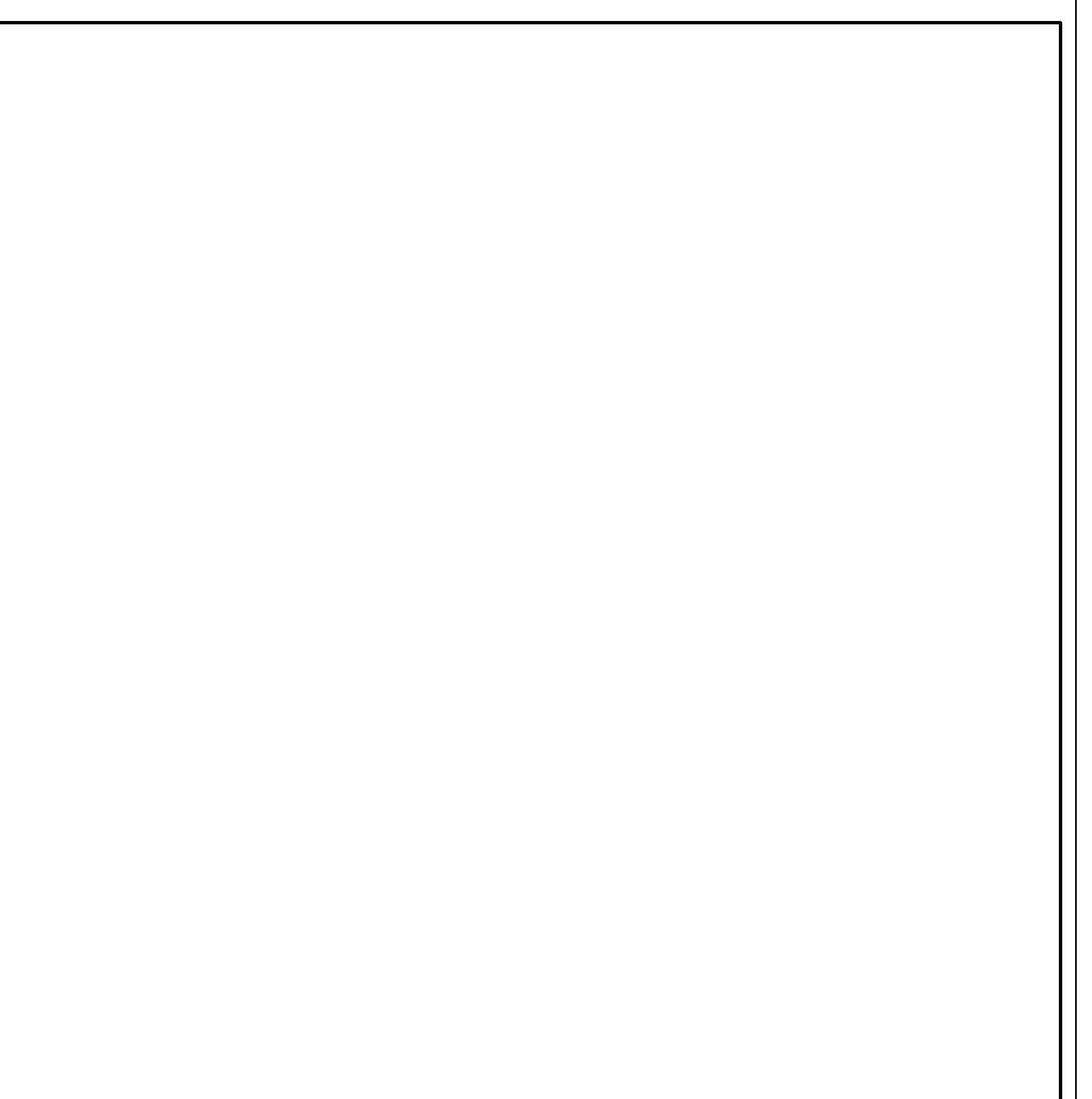
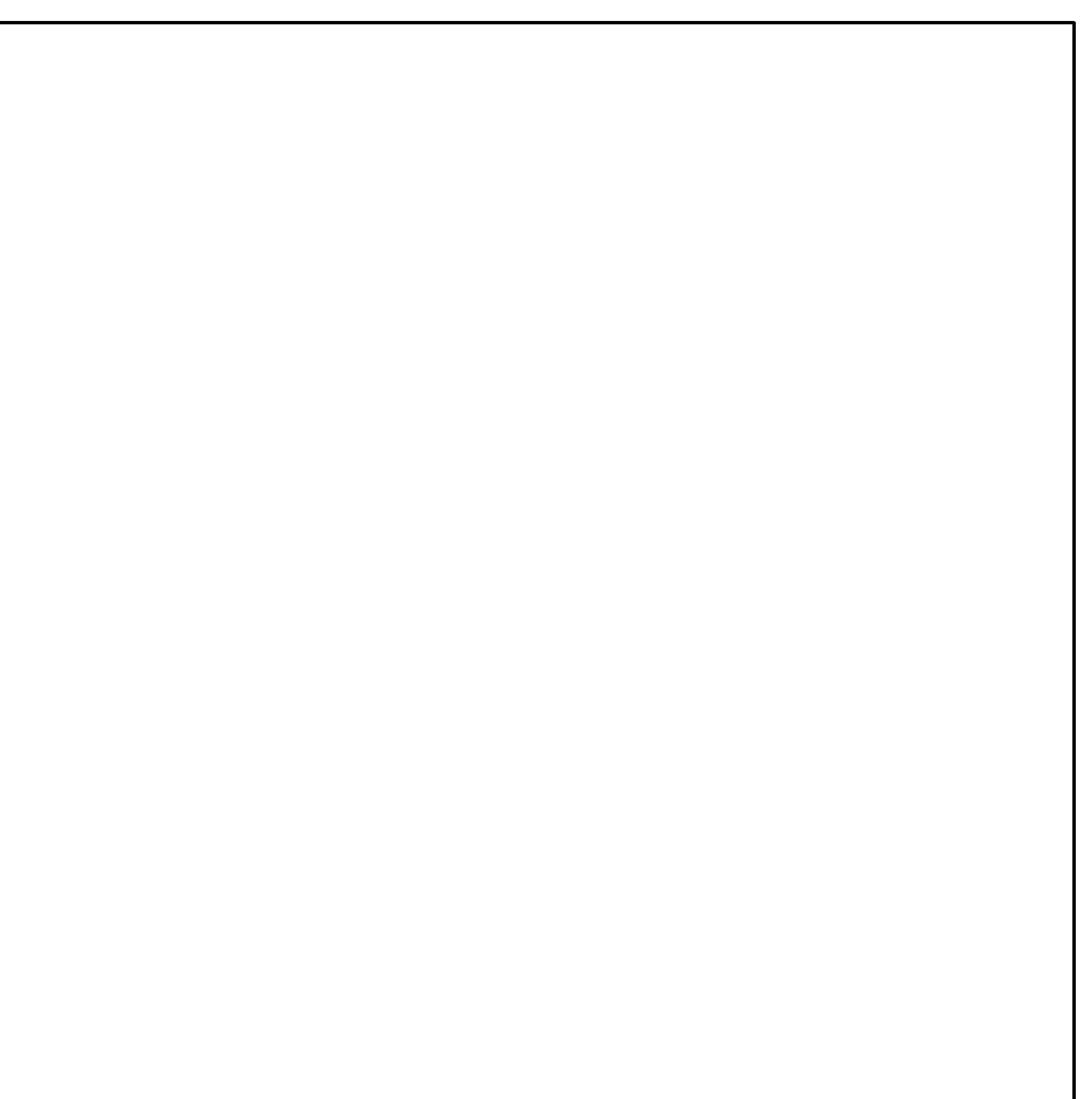
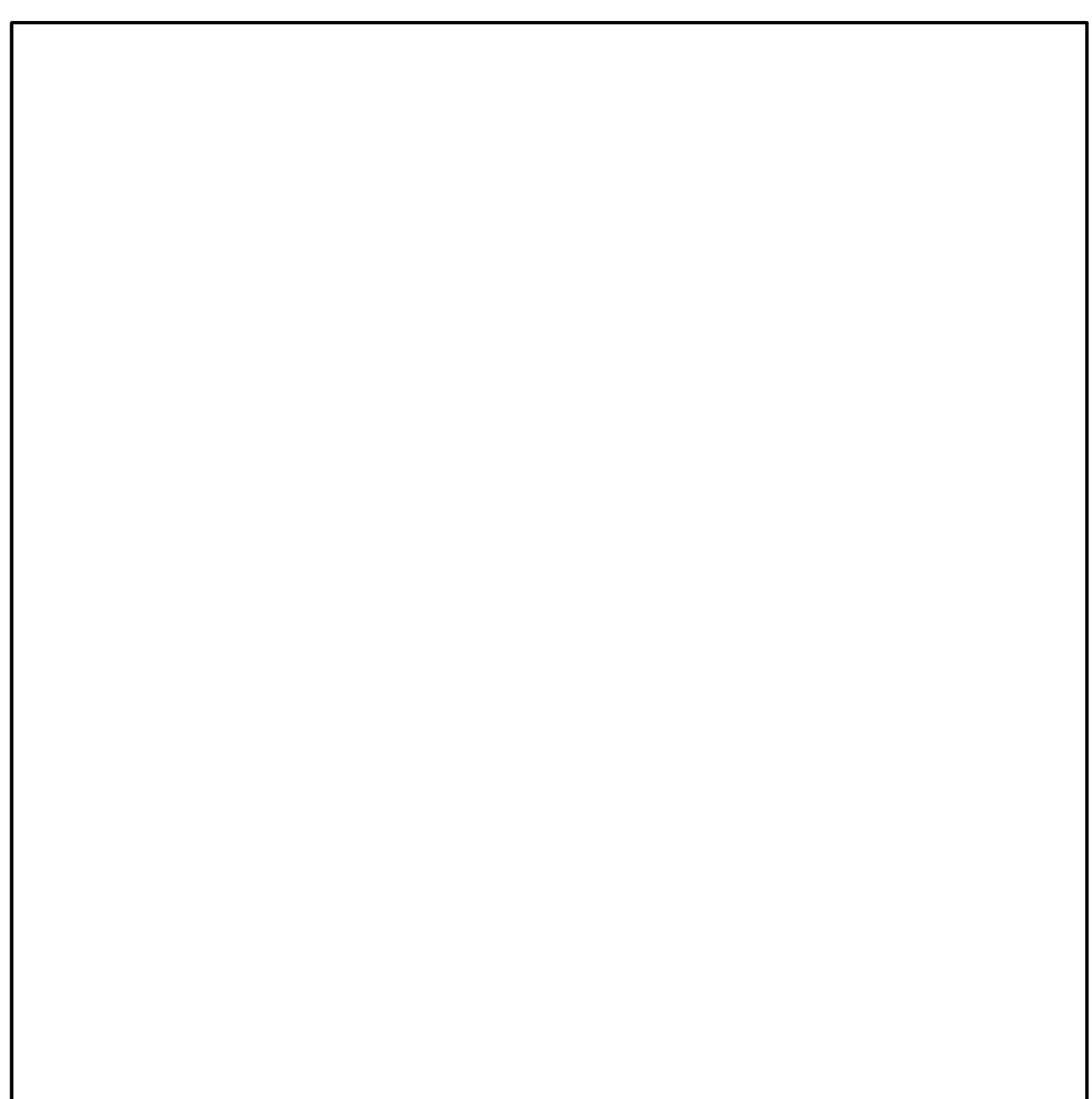
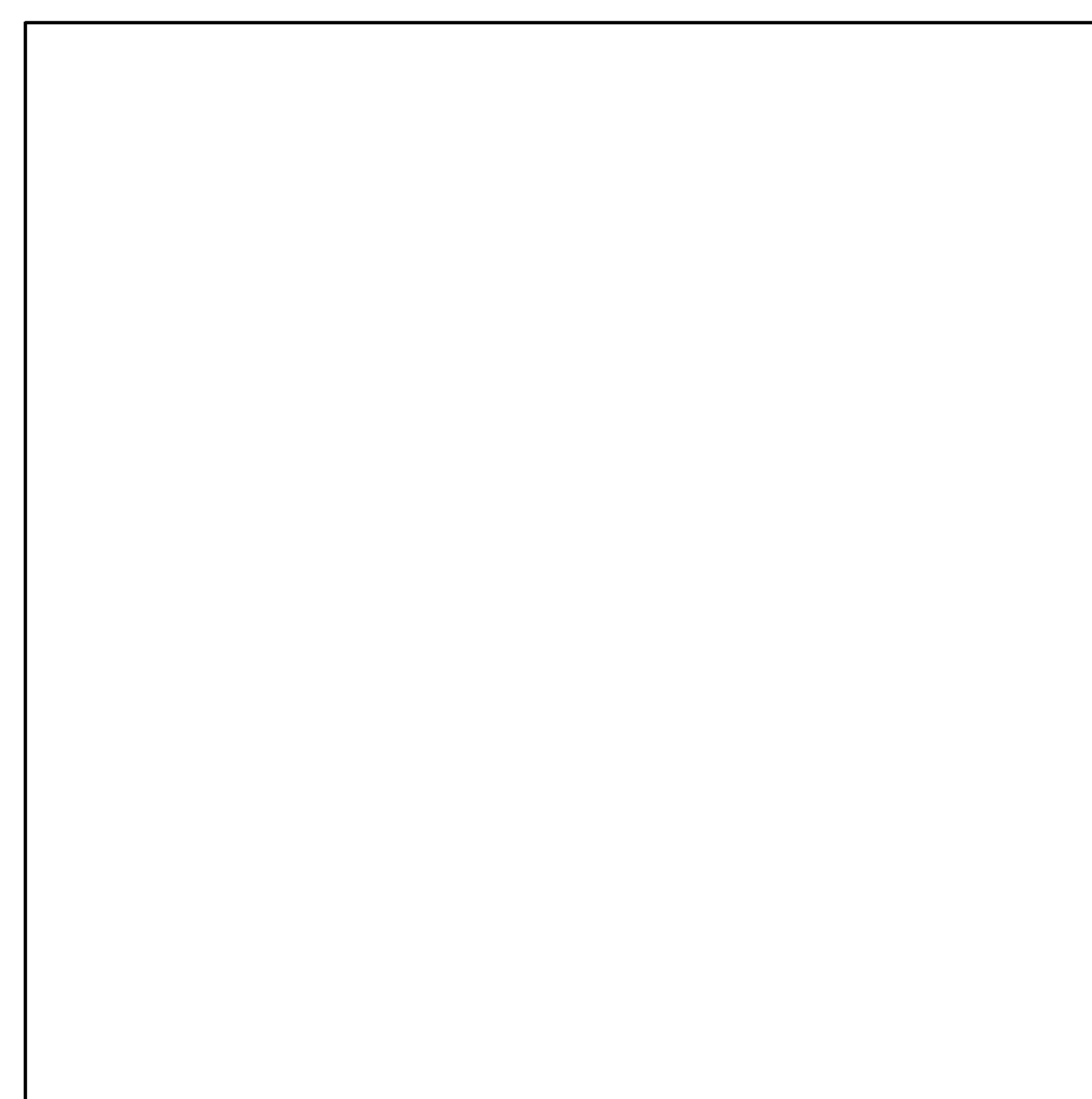
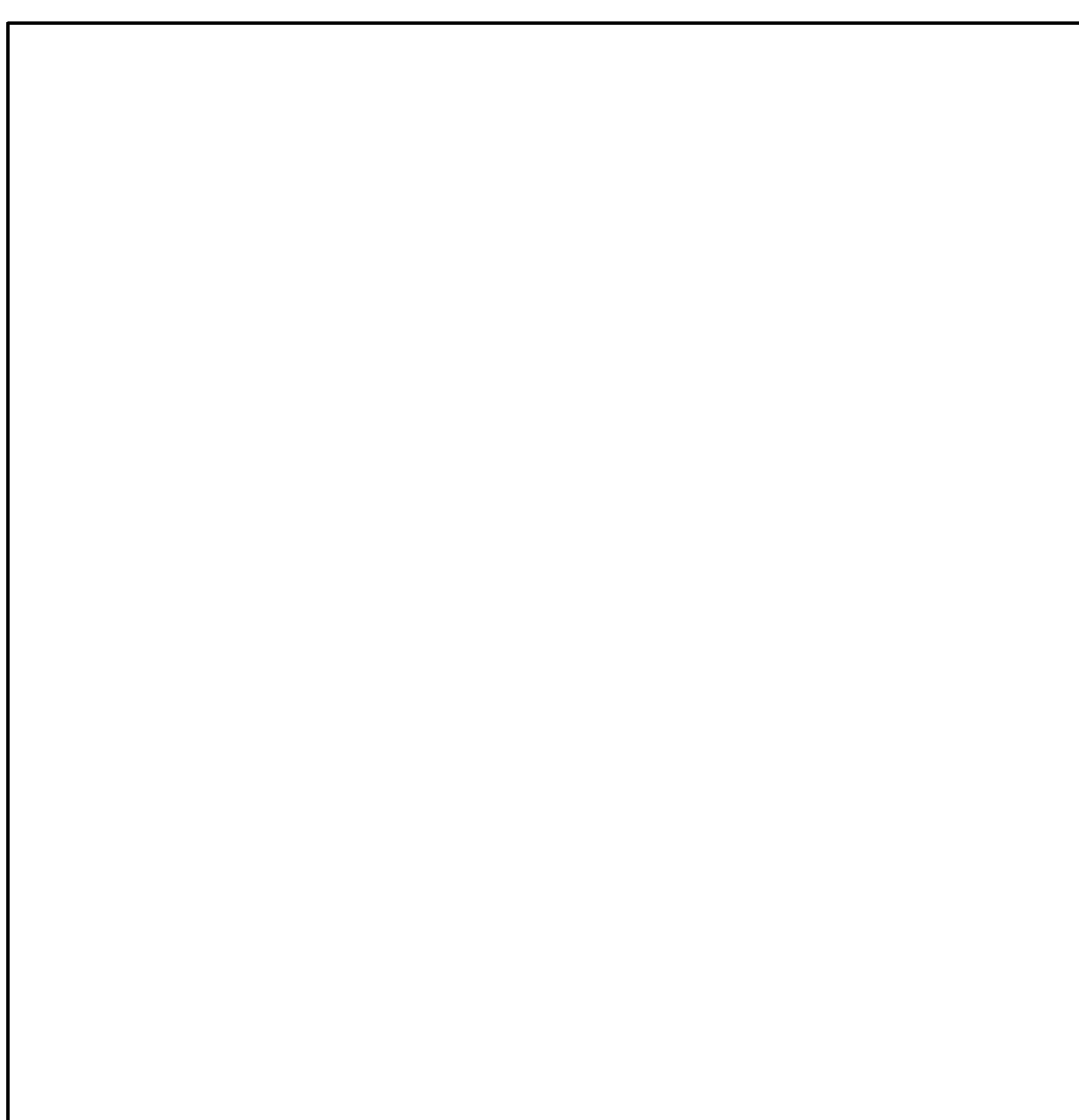
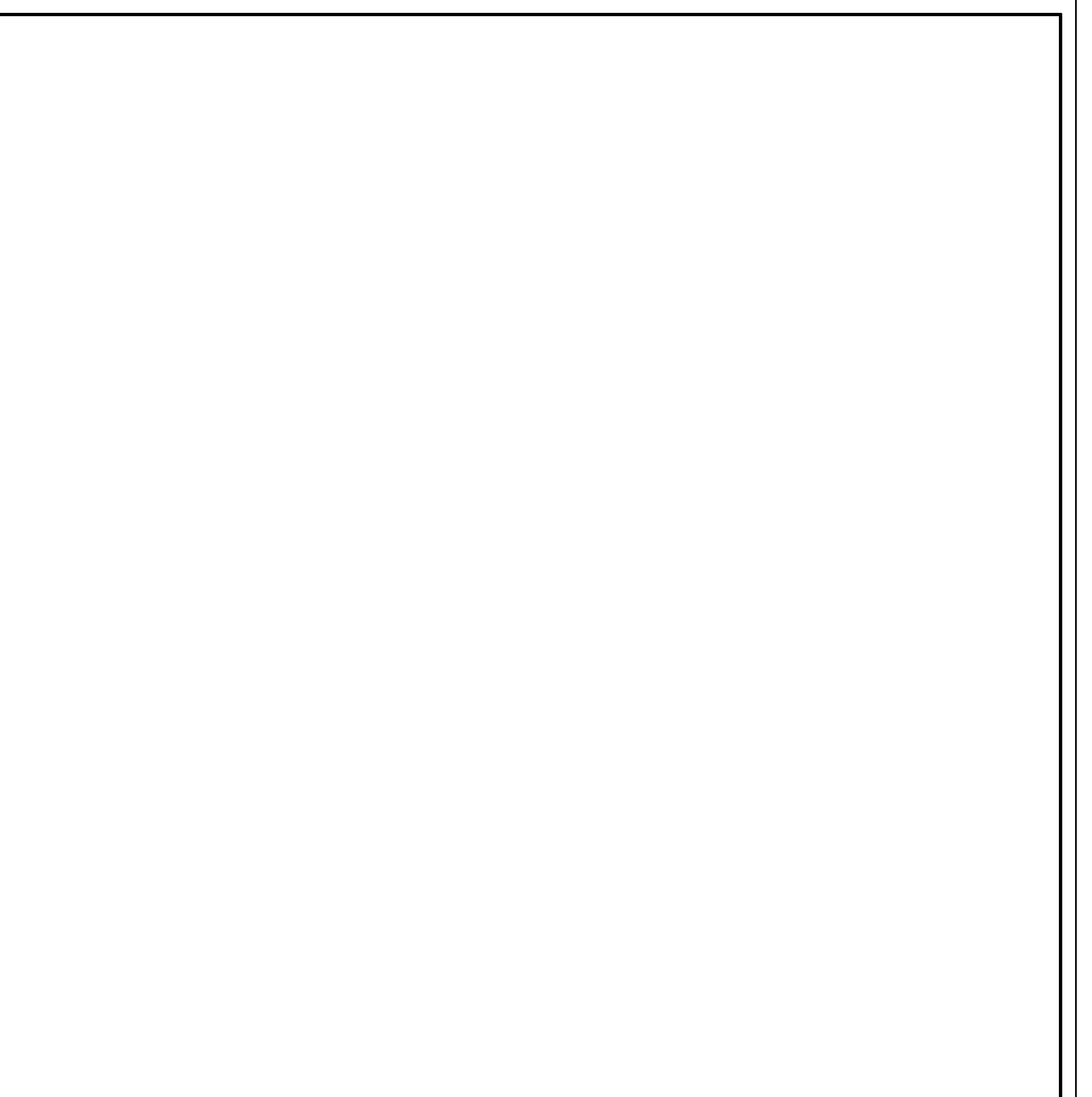
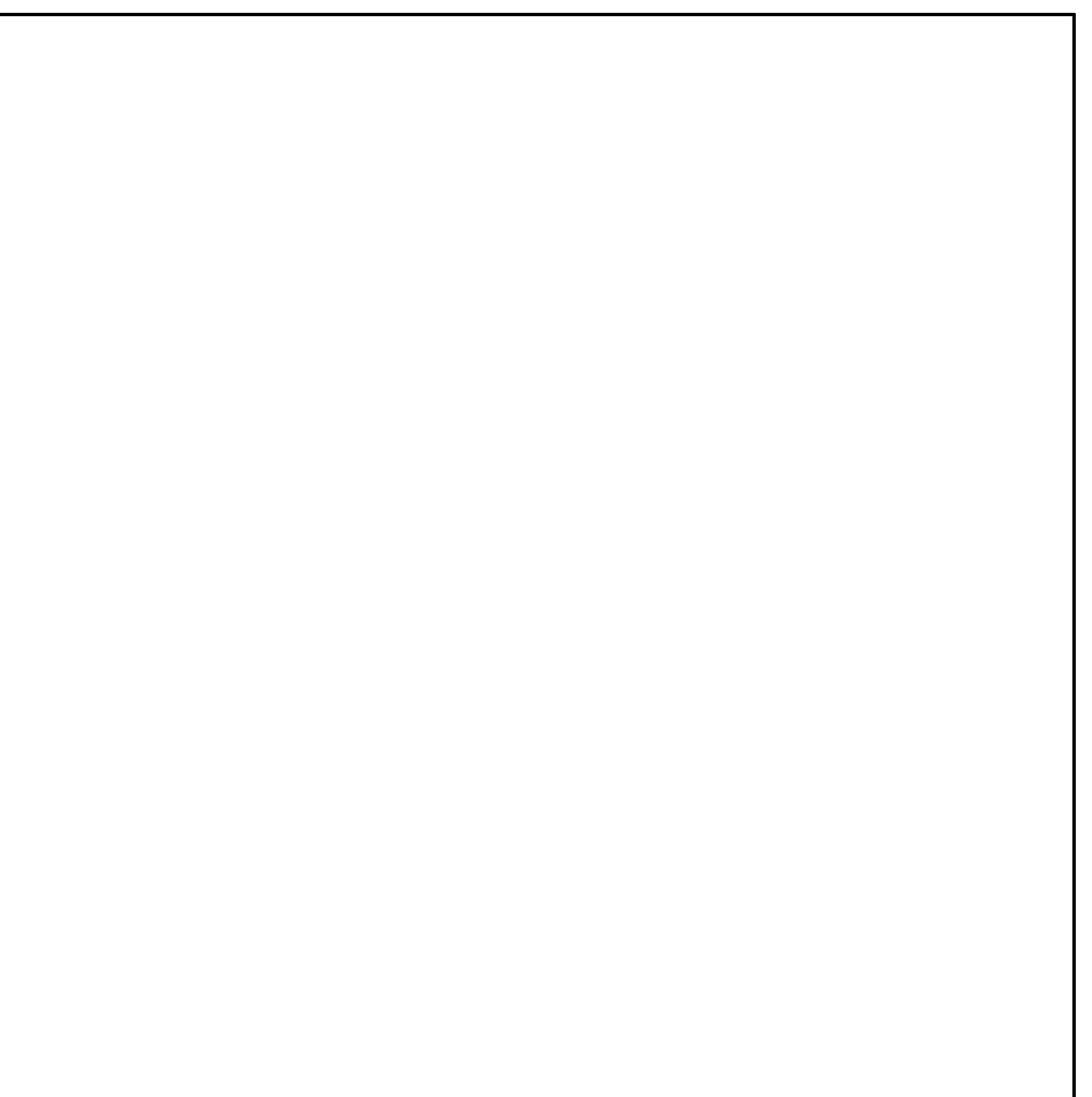
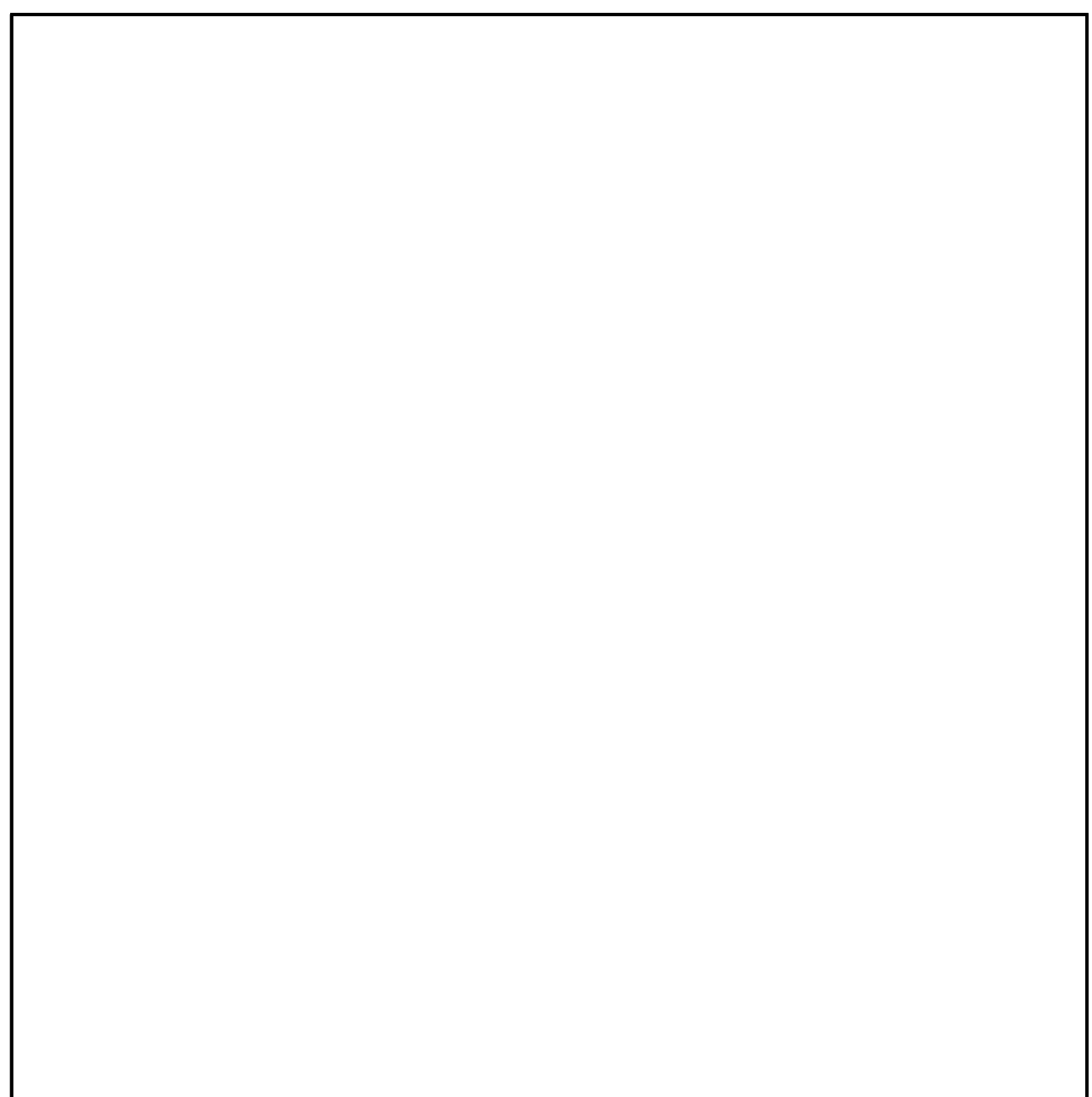
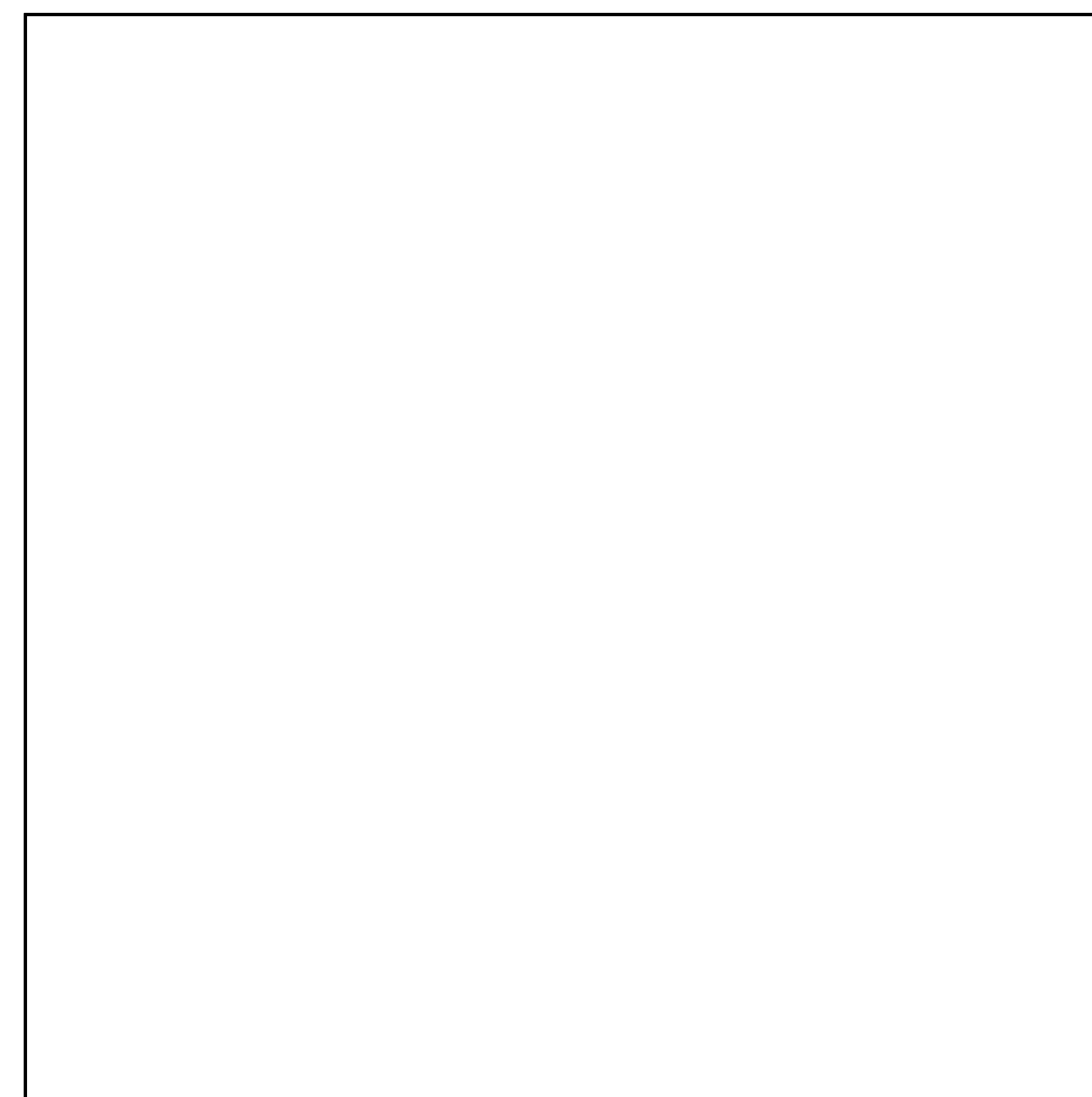
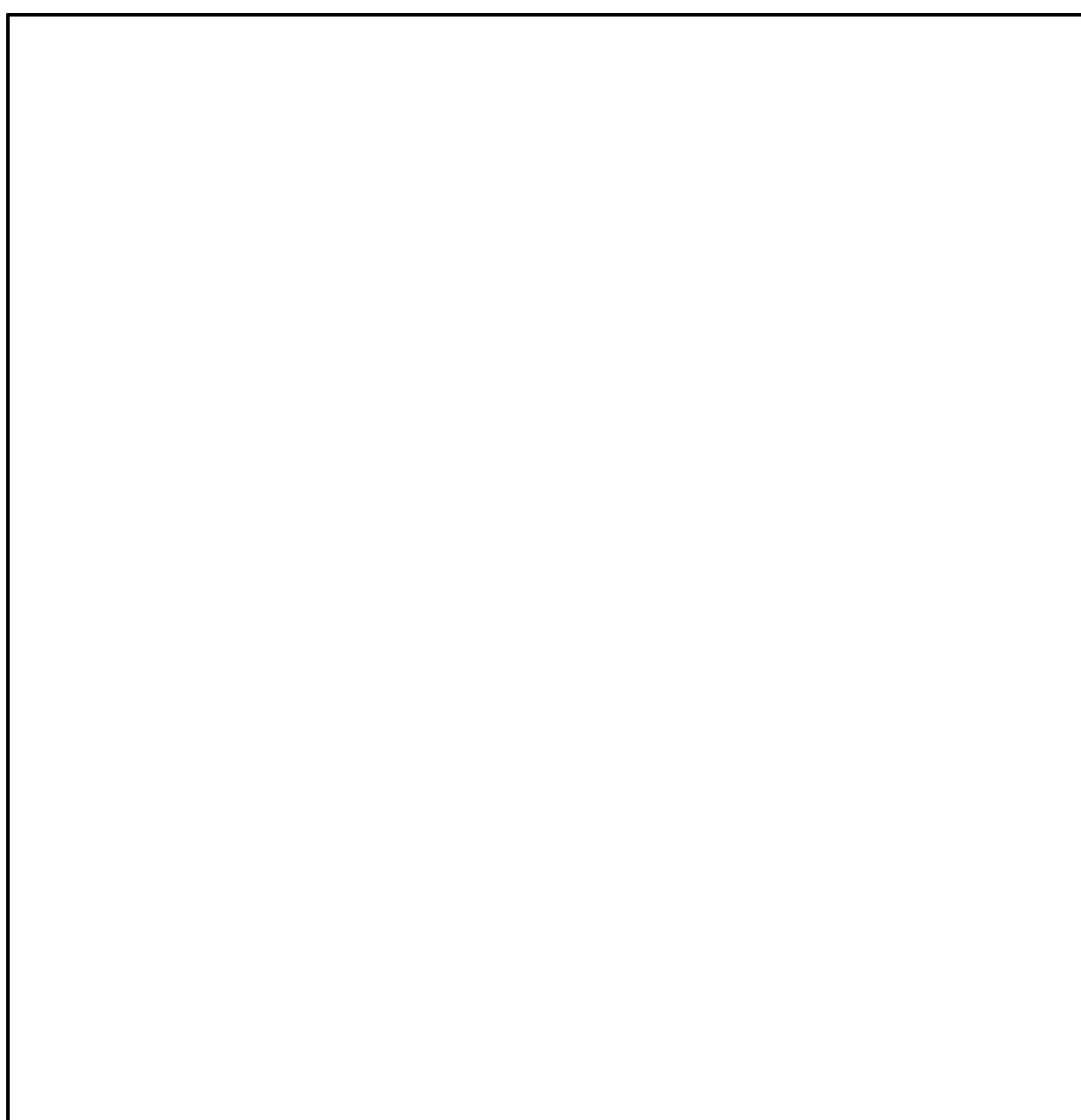
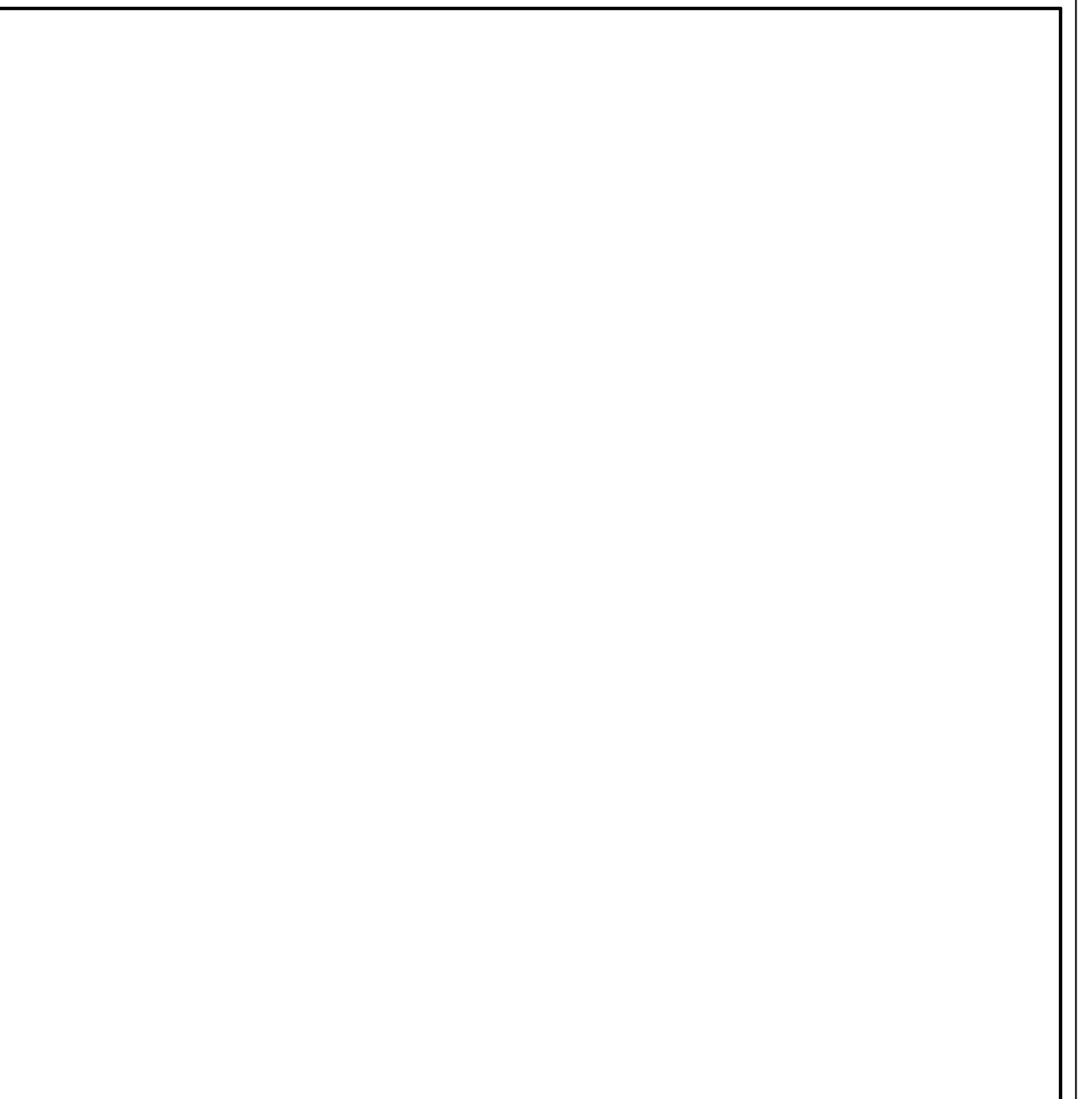
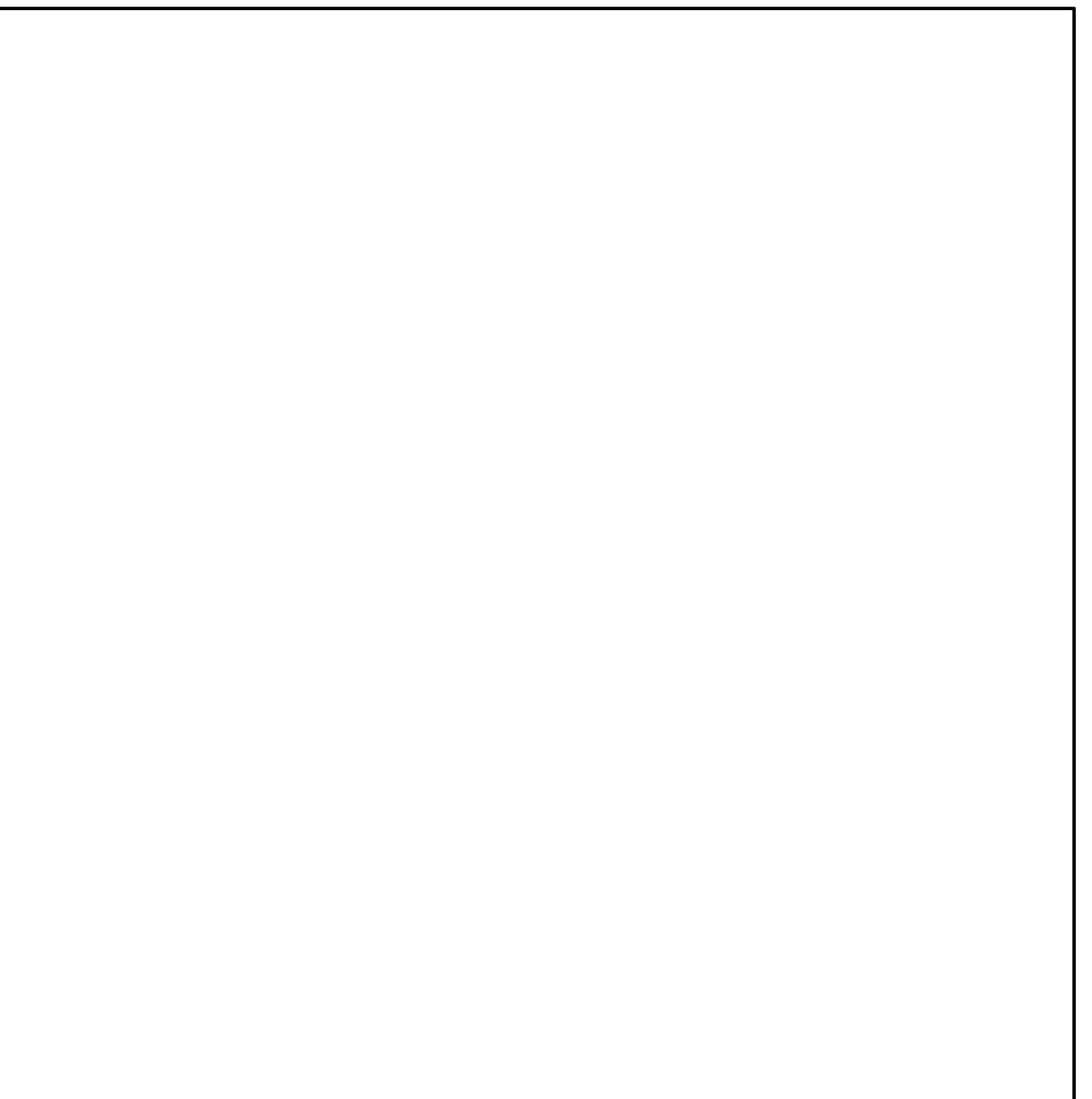
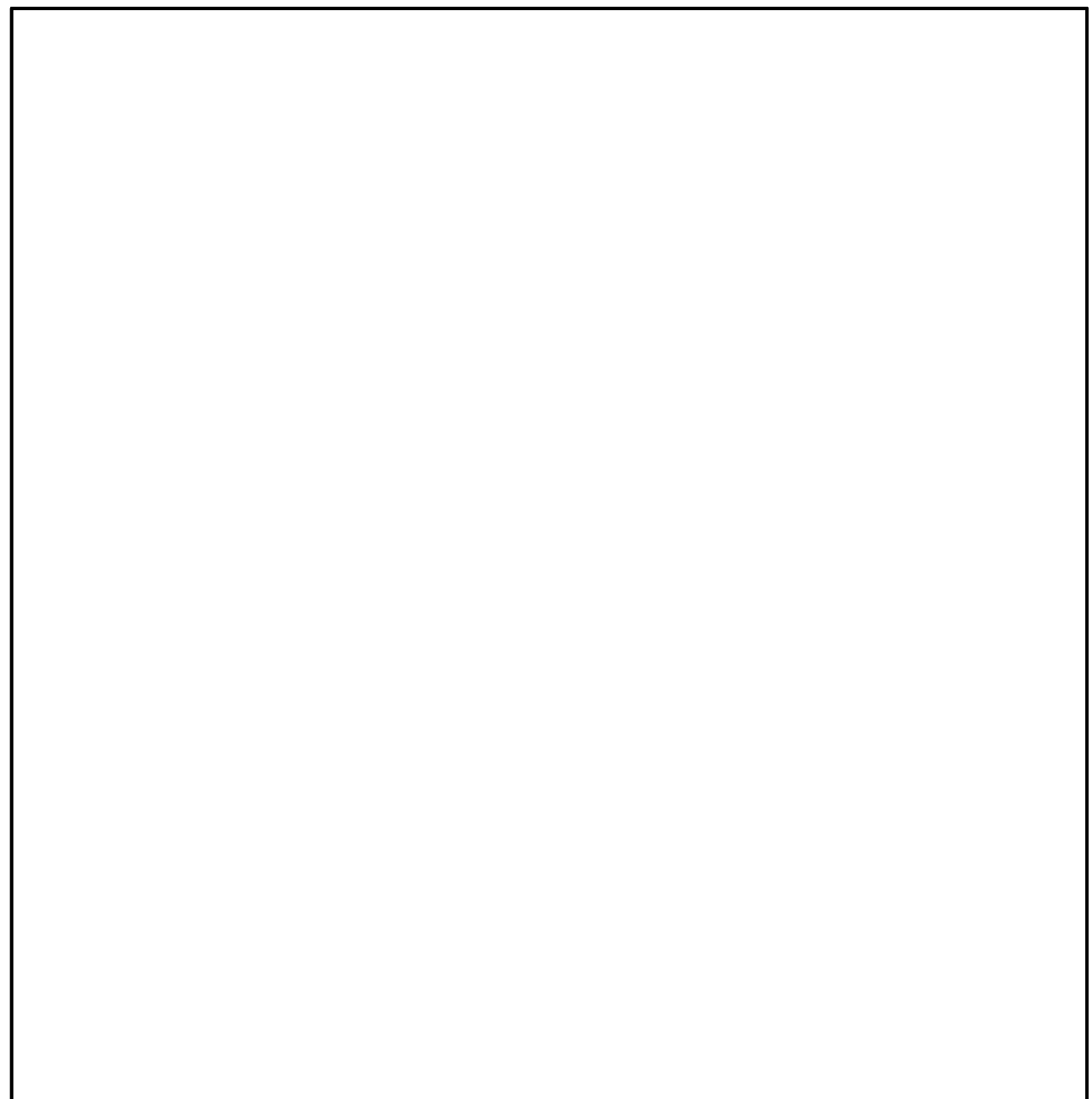
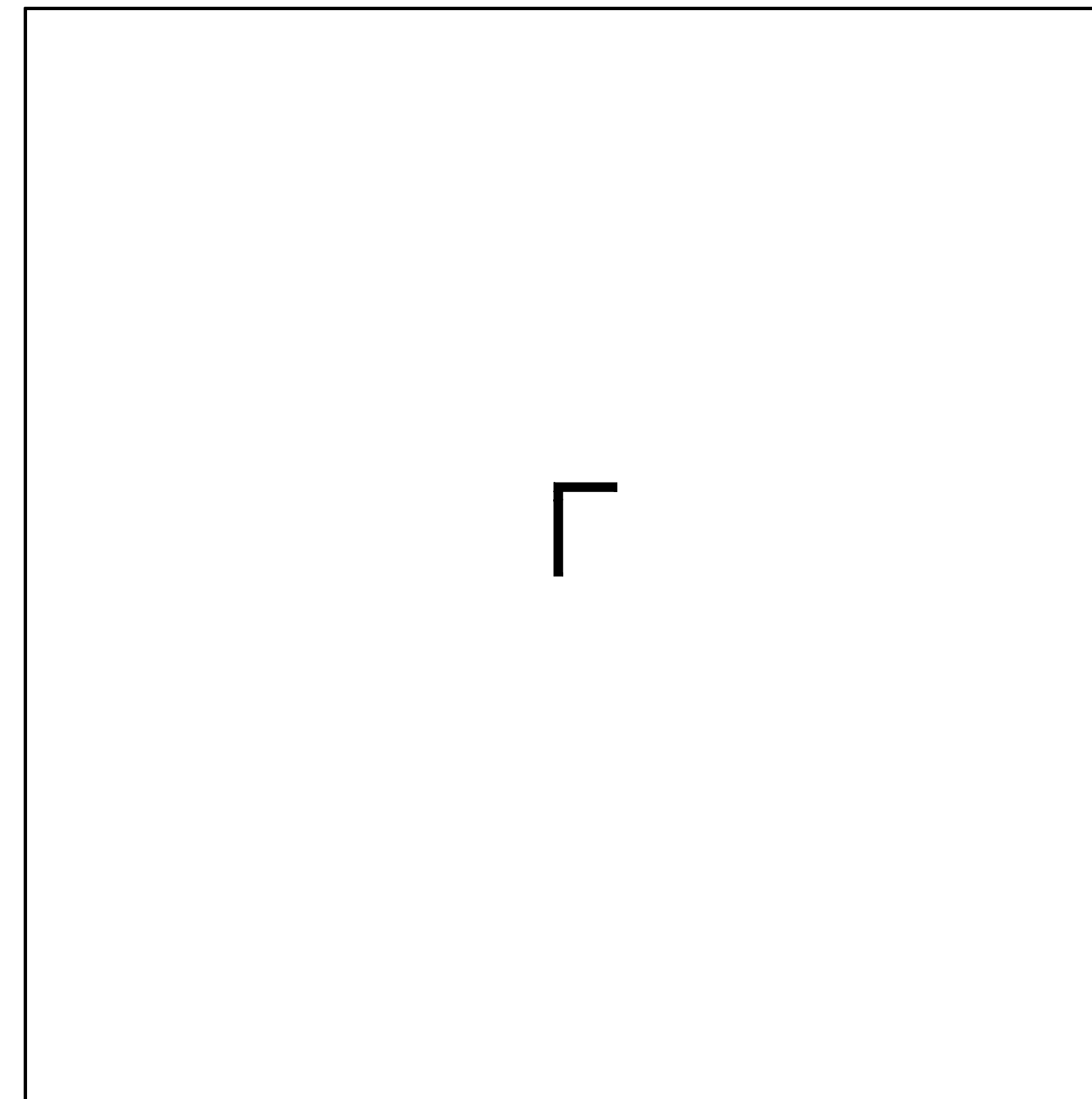
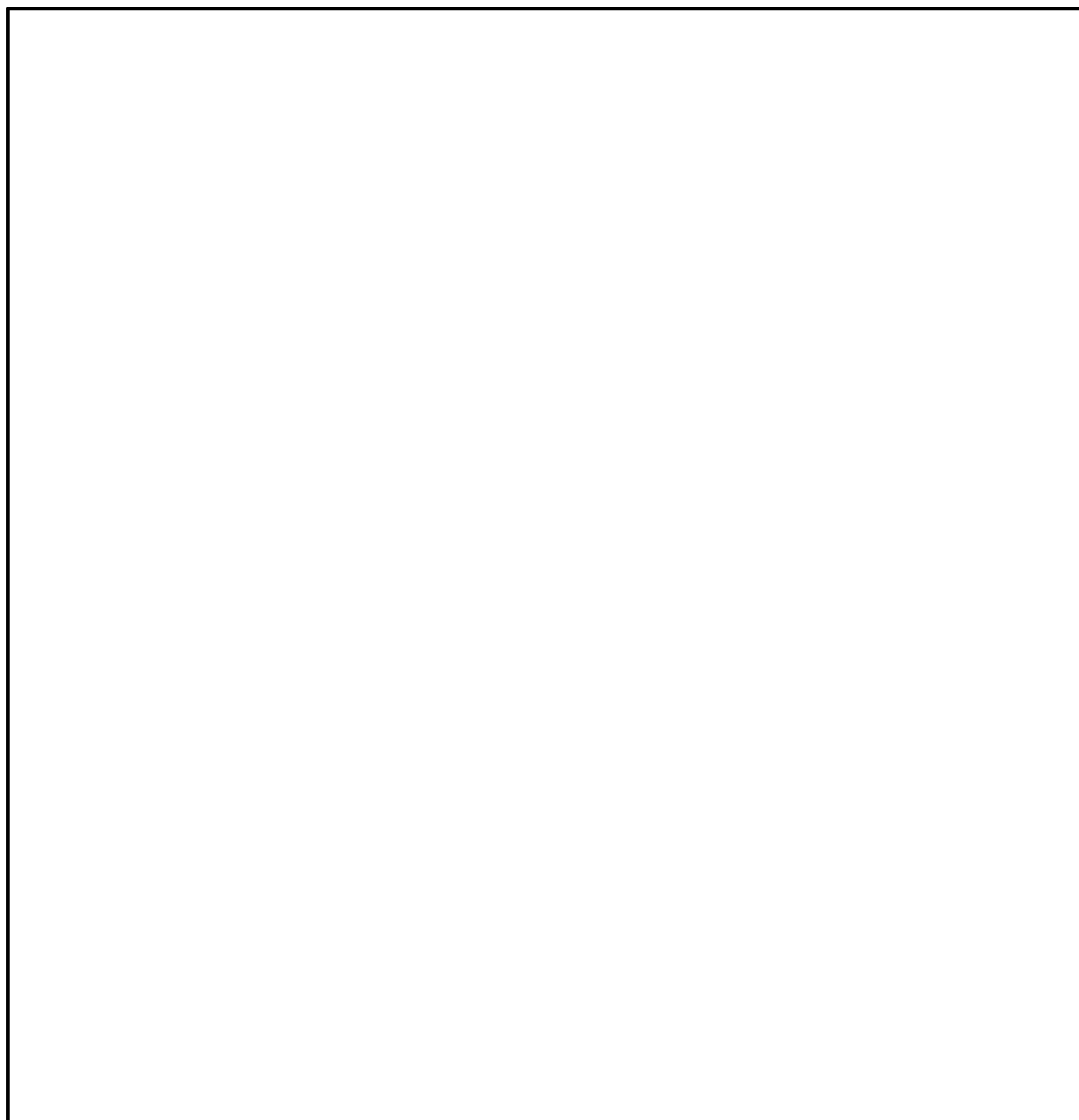
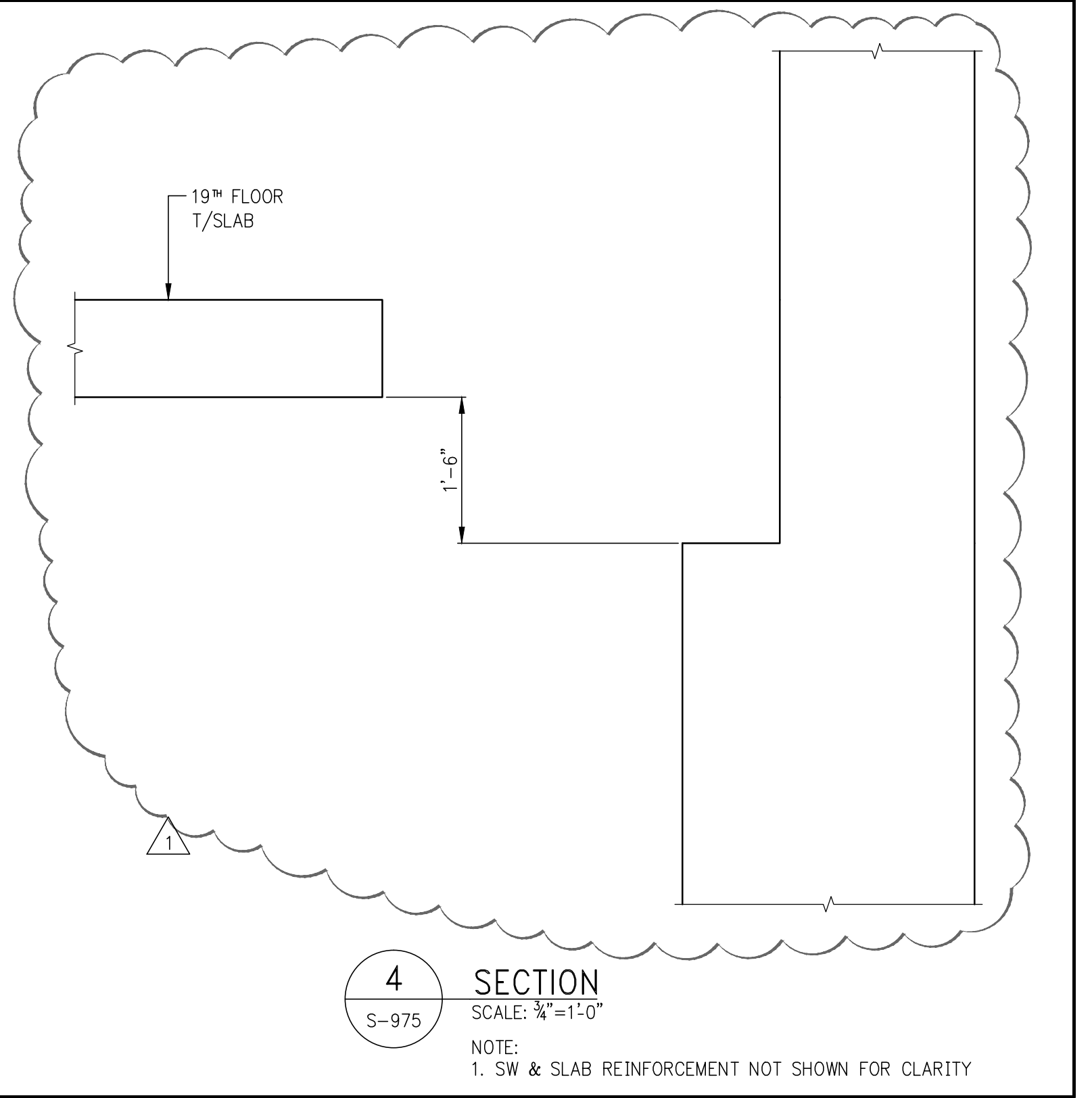
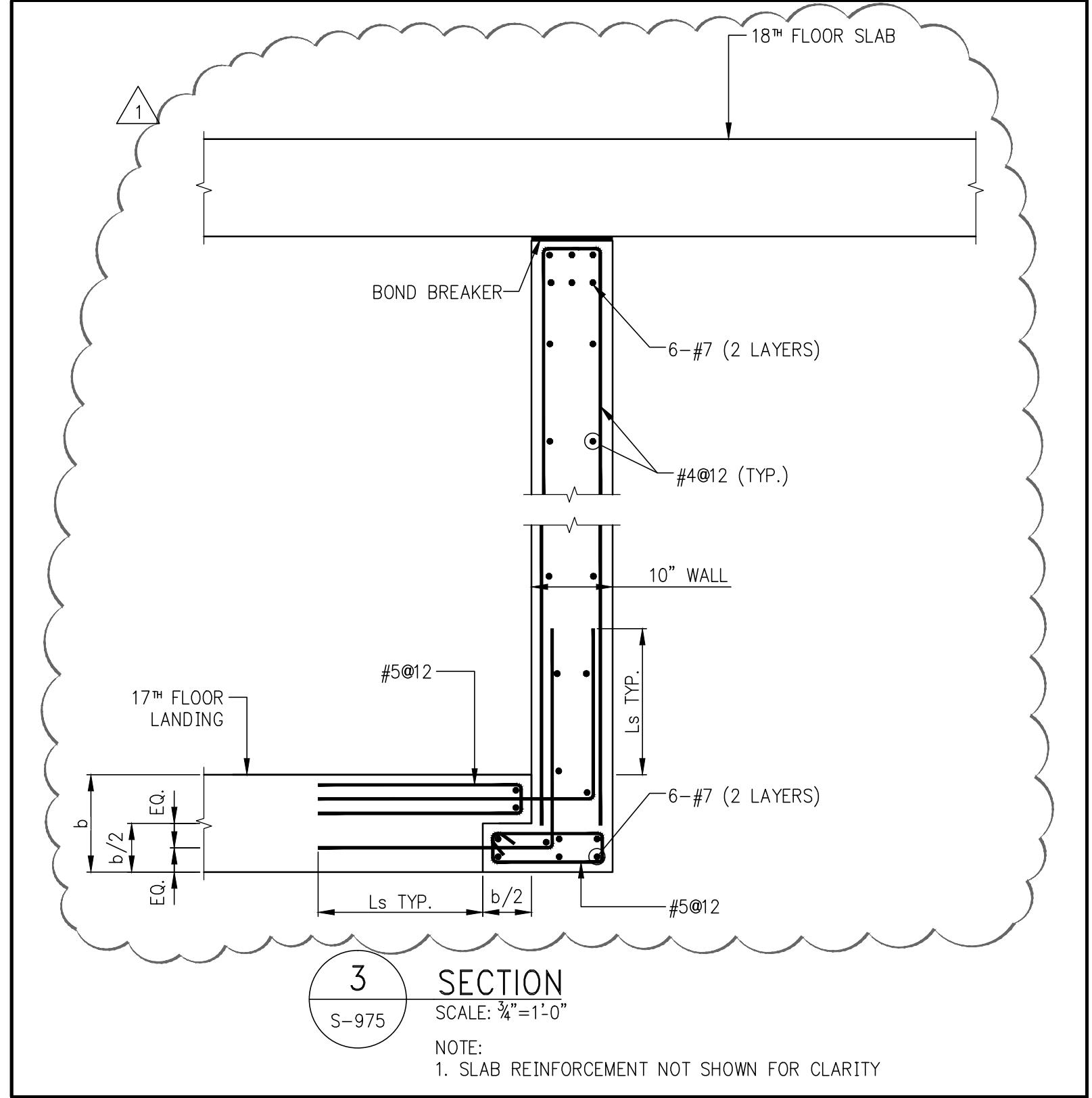
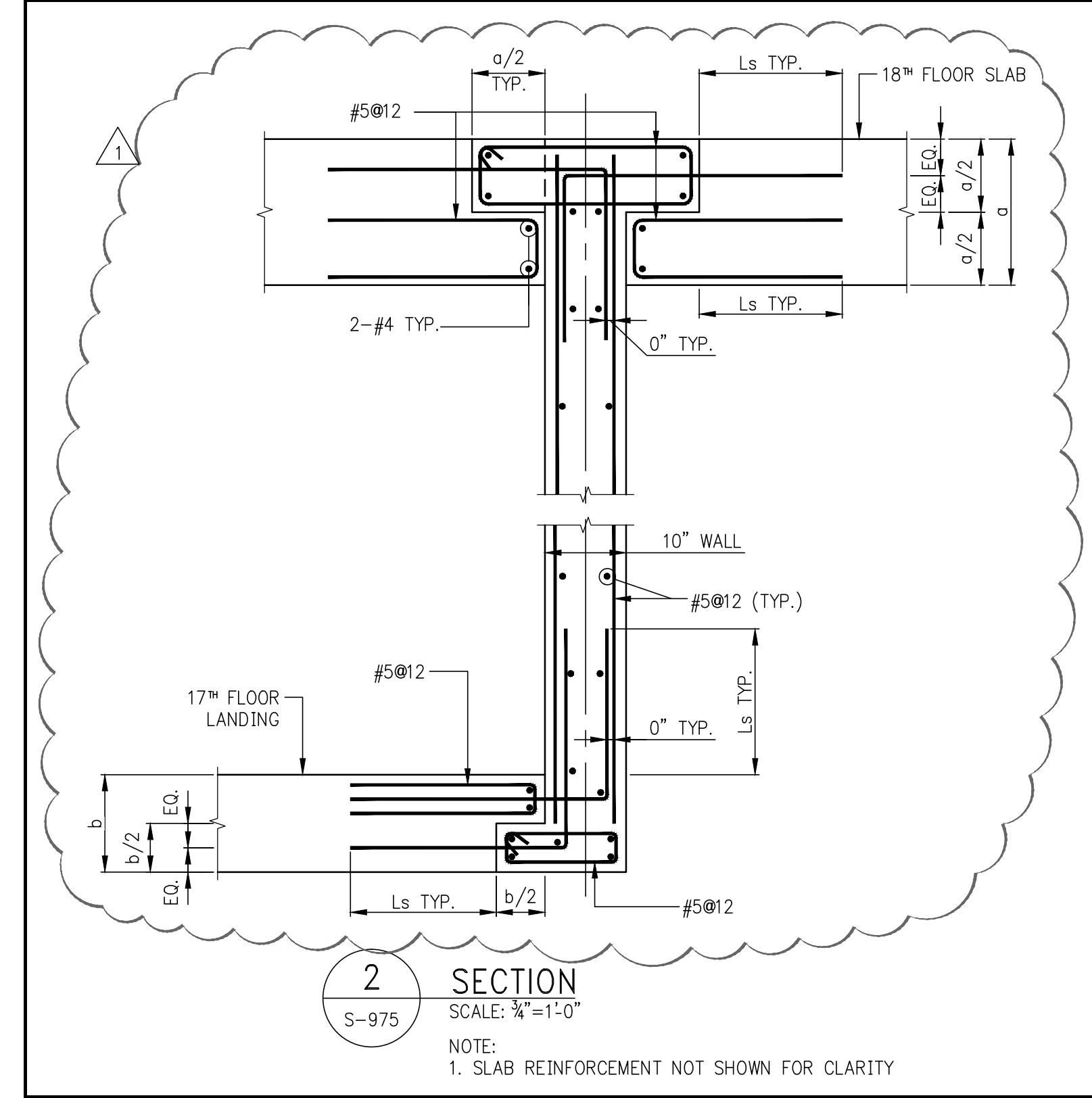
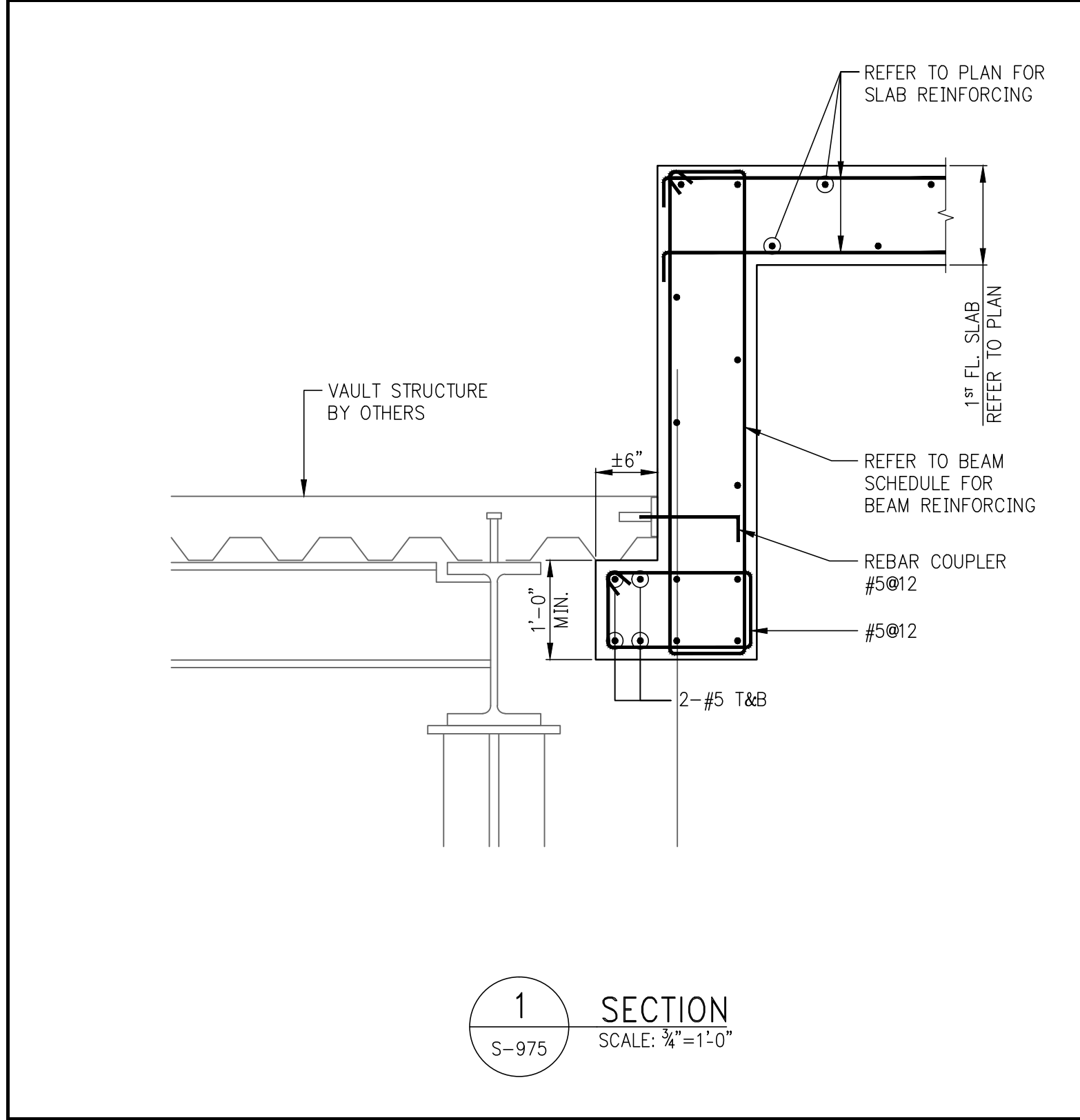
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DRAWING TITLE
CONCRETE SUPERSTRUCTURE SECTIONS 1

SEAL & SIGNATURE	DATE	07/16/15
PROJECT NO.	1310140	
DRAWN BY	CADD	
CHECKED BY	CL	
DOB NO.	121330060	
DRAWING NUMBER		

SHEET XX OF XX





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111 WEST 57TH STREET
NEW YORK, NY 10019



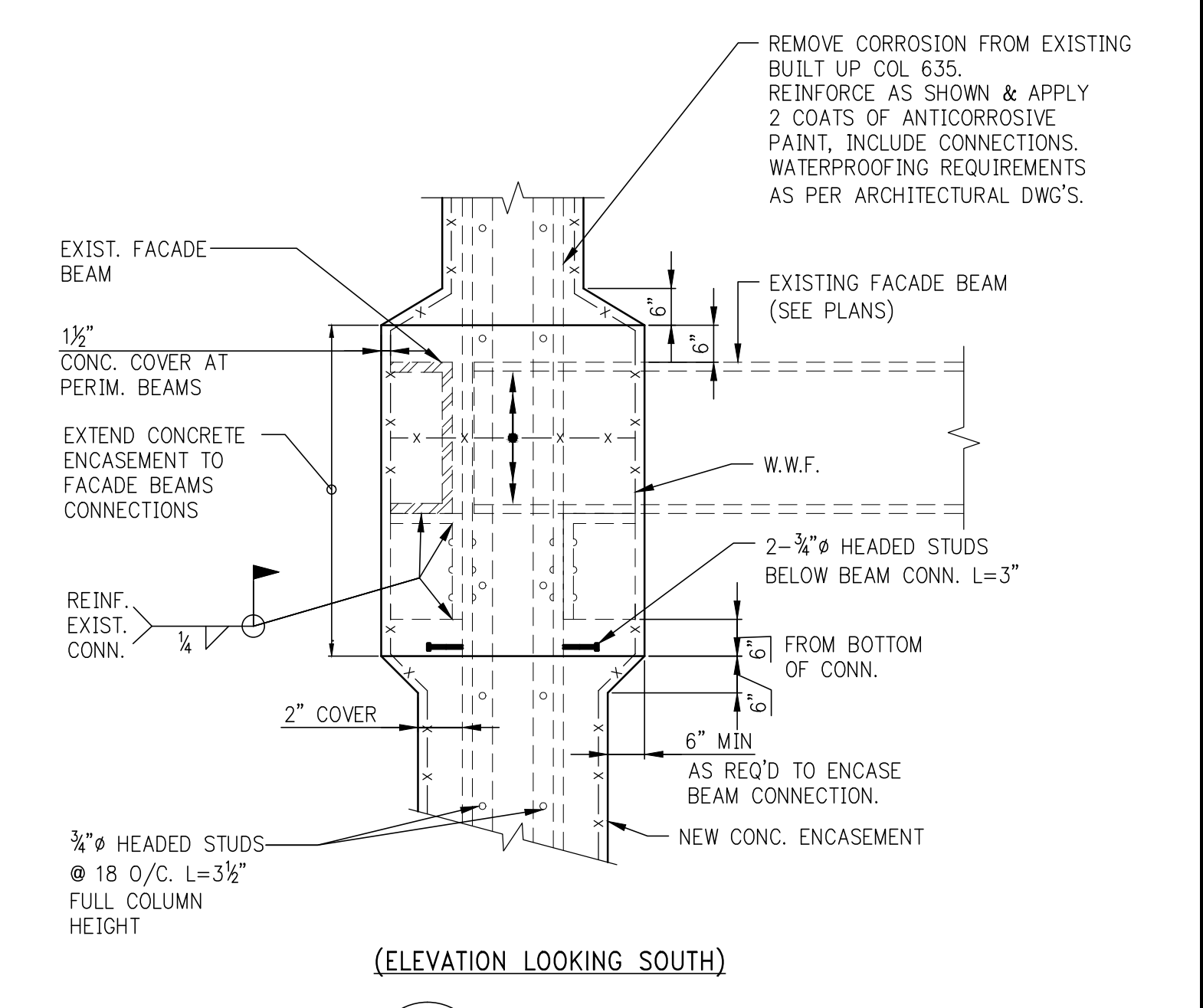
1	2015	DCS/PA
2	2015	DCS/PA/SGS
NO.	DATE	REVISION

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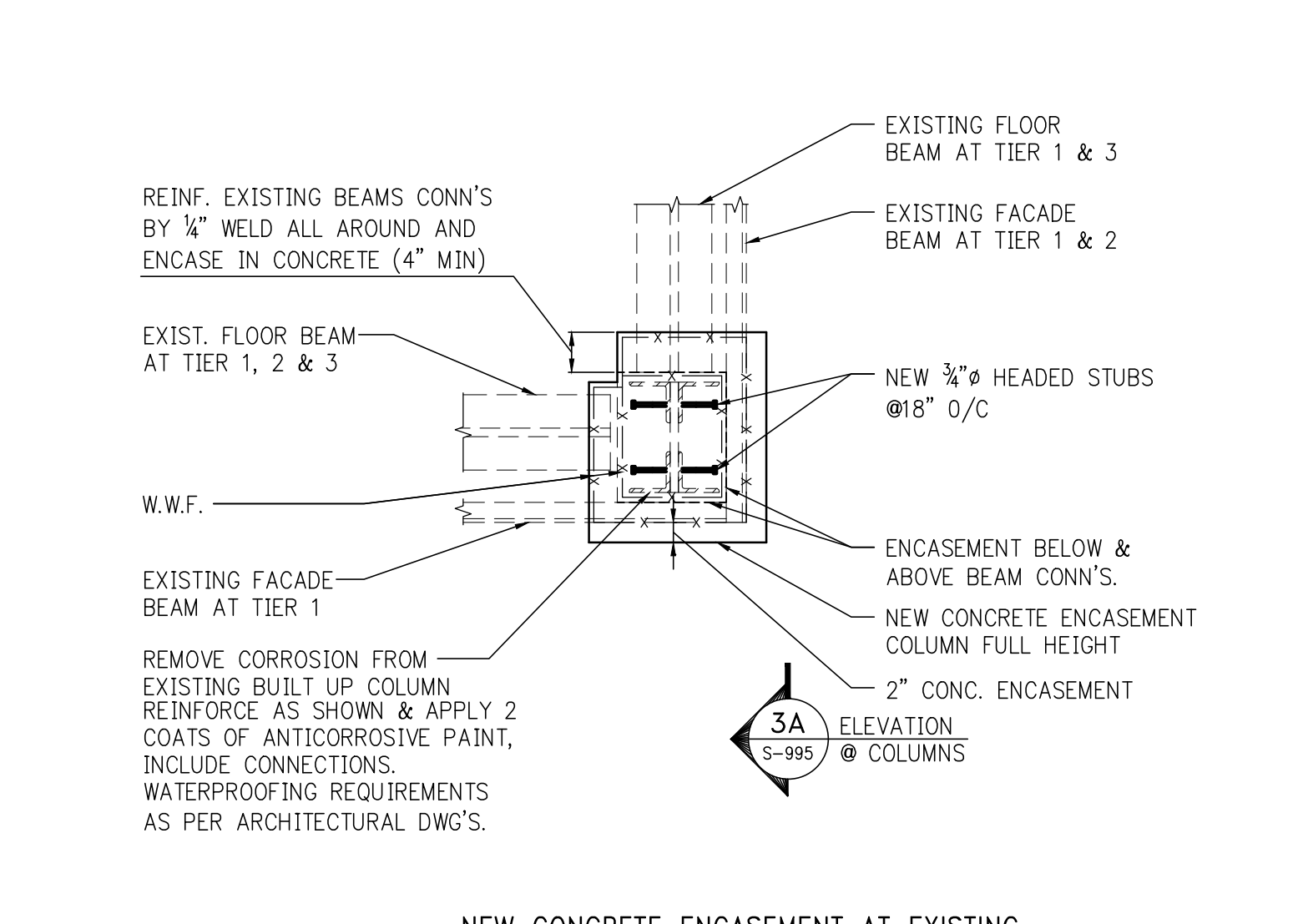
STEEL REPAIR DETAILS AND SECTIONS

SCALE & SIGNATURE	DATE	07/16/15
PROJECT NO.	1310140	
DRAWN BY	CADD	
CHECKED BY	CL	
DOB NO.	121330900	
DRAWING NUMBER		

S-995.01
SHEET XX OF XX

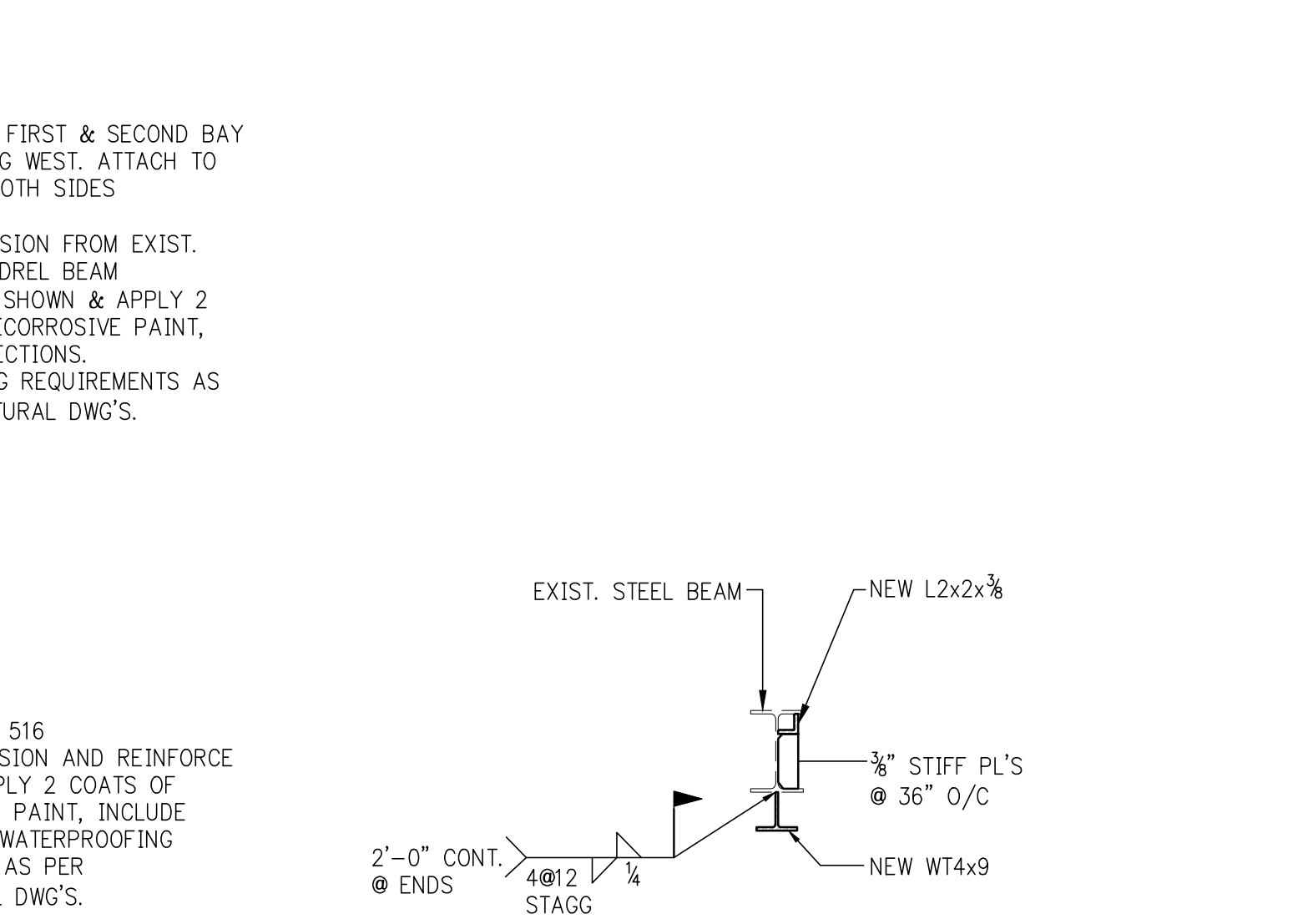


3A SECTION
SCALE: 1/2"=1'-0"



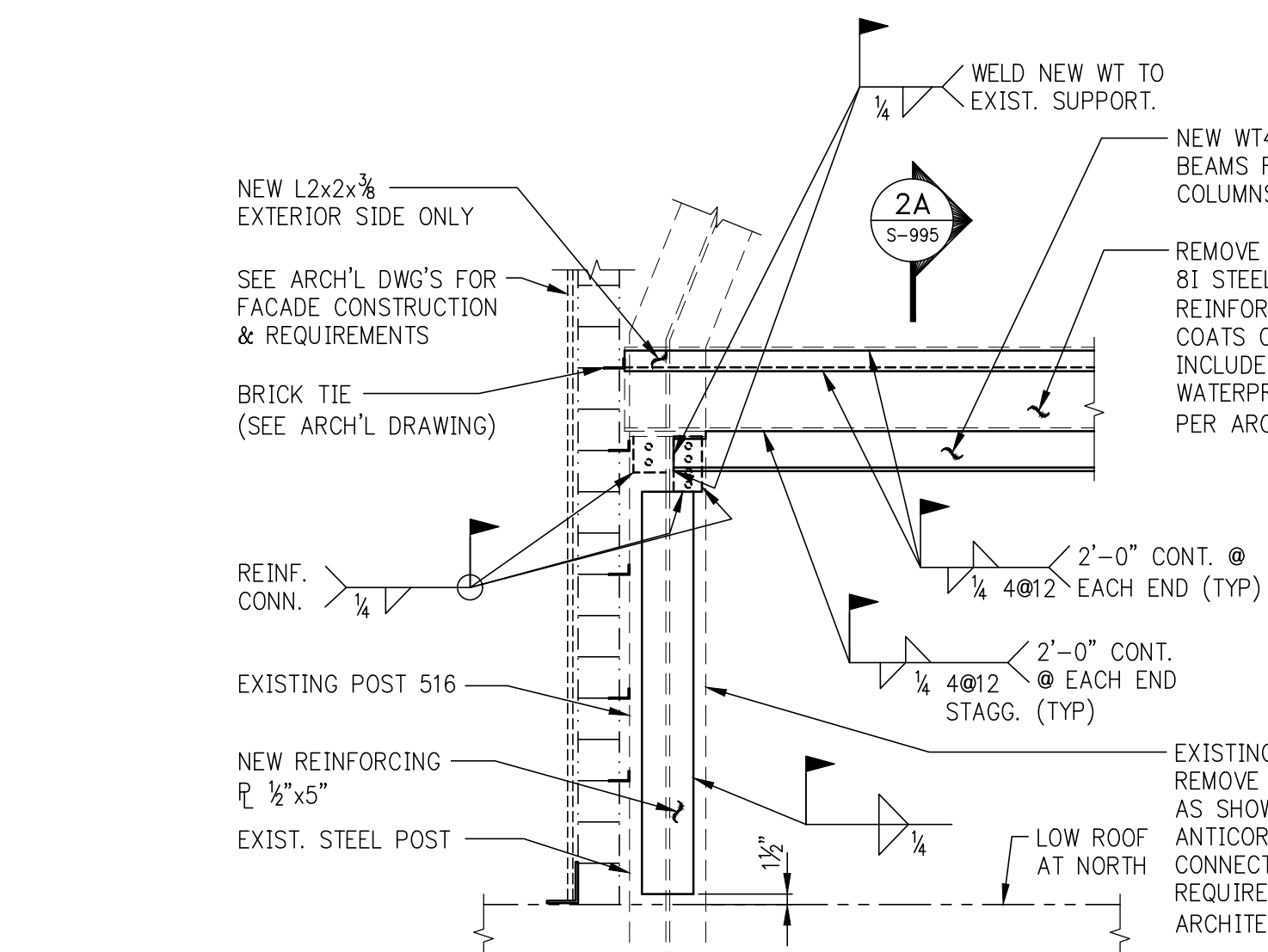
3 STEEL REPAIR DETAIL
SCALE: 1/2"=1'-0"

NOTES:
1. COLUMN CONNECTION TO SUPPORT GIRDER BELOW MAIN ROOF TO BE EXPOSED, INSPECTED & REINFORCED IF REQUIRED.
2. NEW CONCRETE ENCASUREMENT TO START WITH COLUMN AT PICK UP GIRDER BELOW MAIN ROOF.



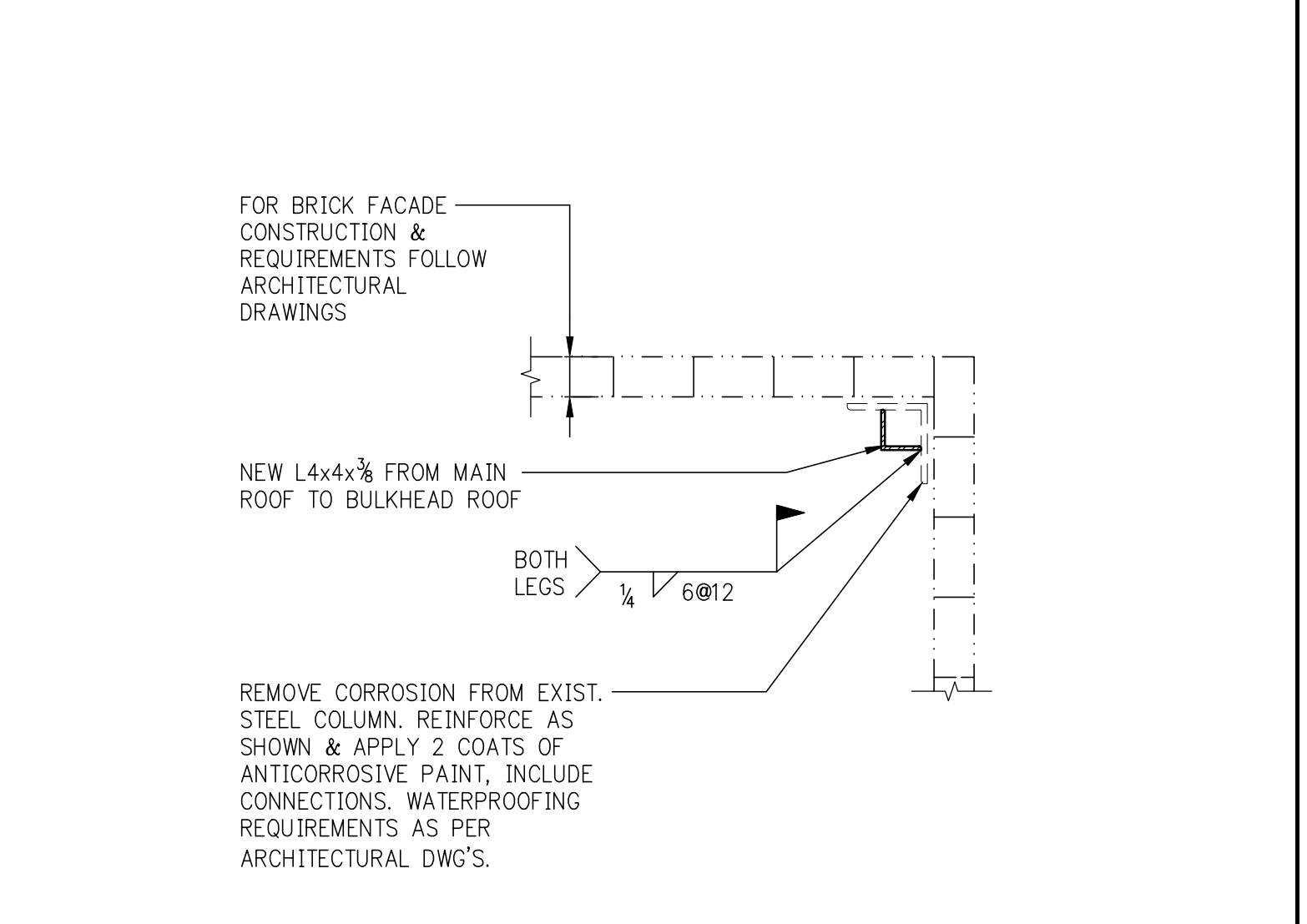
2A SECTION
SCALE: 1/2"=1'-0"

NOTES:
1. PROVIDE FIREPROOFING AS PER ARCHITECTS REQUIREMENTS.



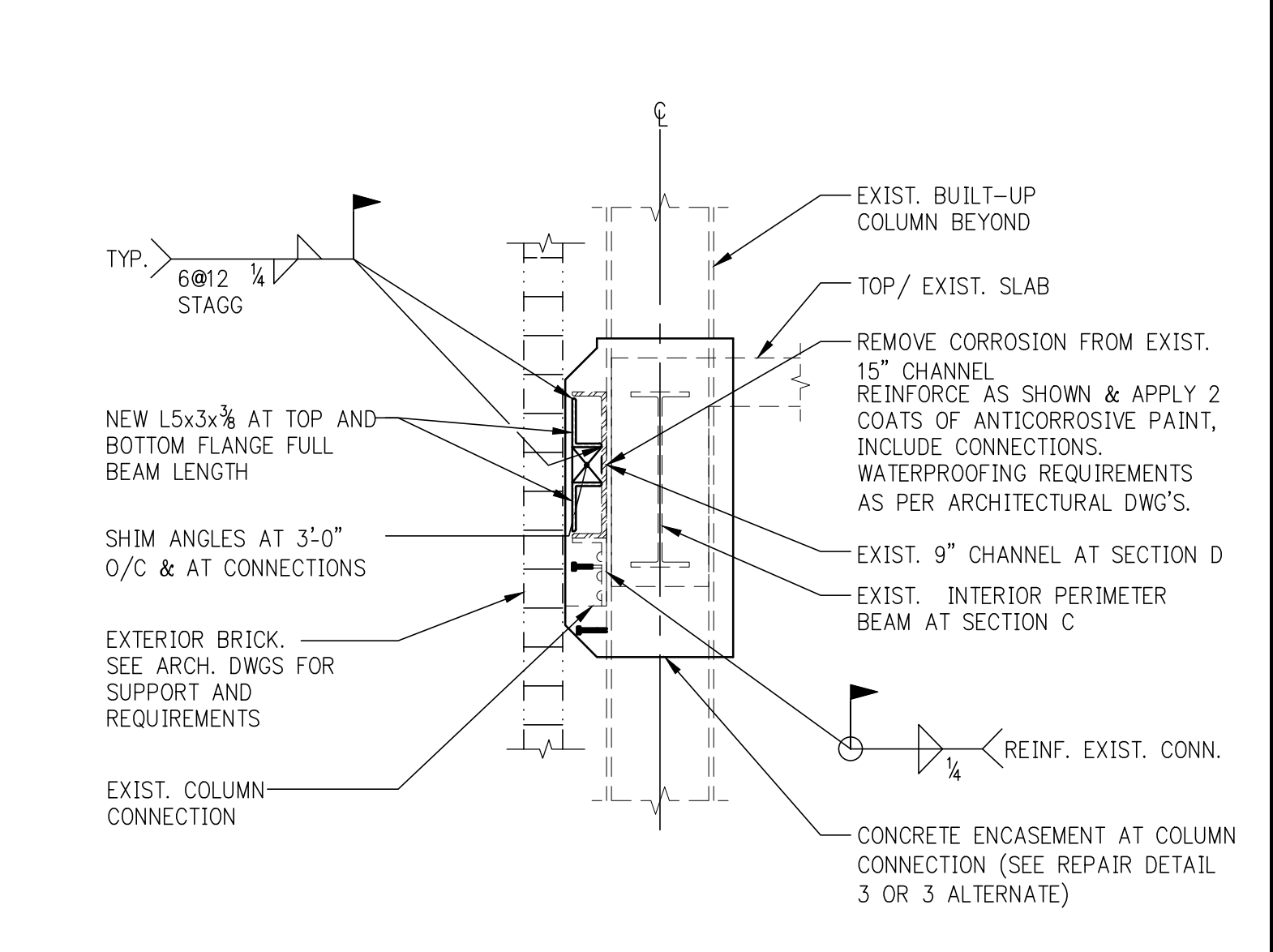
2 STEEL REPAIR DETAIL (ELEVATION LOOKING SOUTH)
SCALE: 1/2"=1'-0"

NOTES:
1. PROVIDE FIREPROOFING AS PER ARCHITECTS REQUIREMENTS.

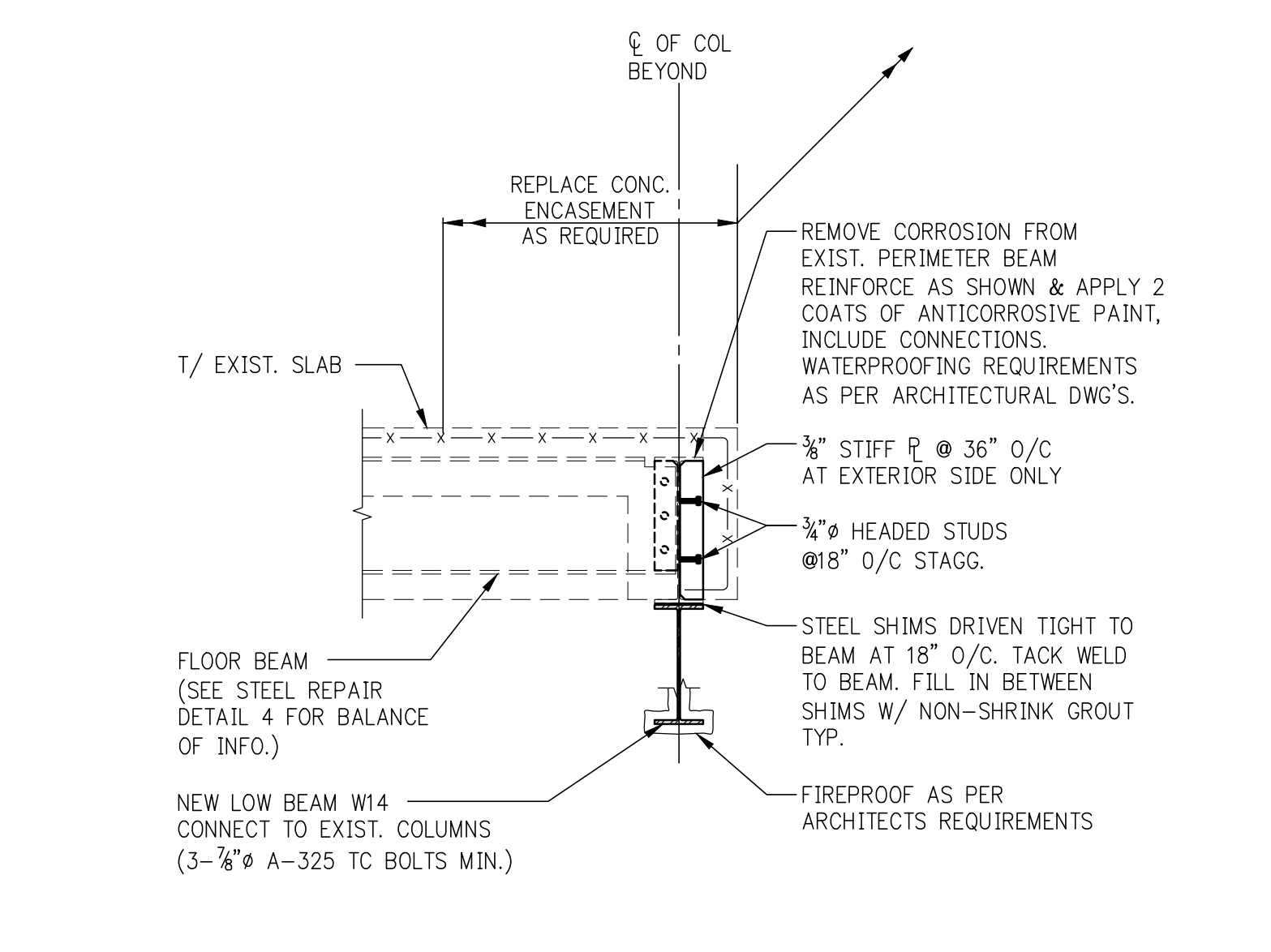


1 STEEL REPAIR DETAIL (PLAN VIEW)
SCALE: 1/2"=1'-0"

NOTES:
1. SEE ARCHITECTURAL DRAWINGS FOR WATERPROOFING DETAILS.
2. PROVIDE FIREPROOFING AS PER ARCHITECTS REQUIREMENTS (TYP.).

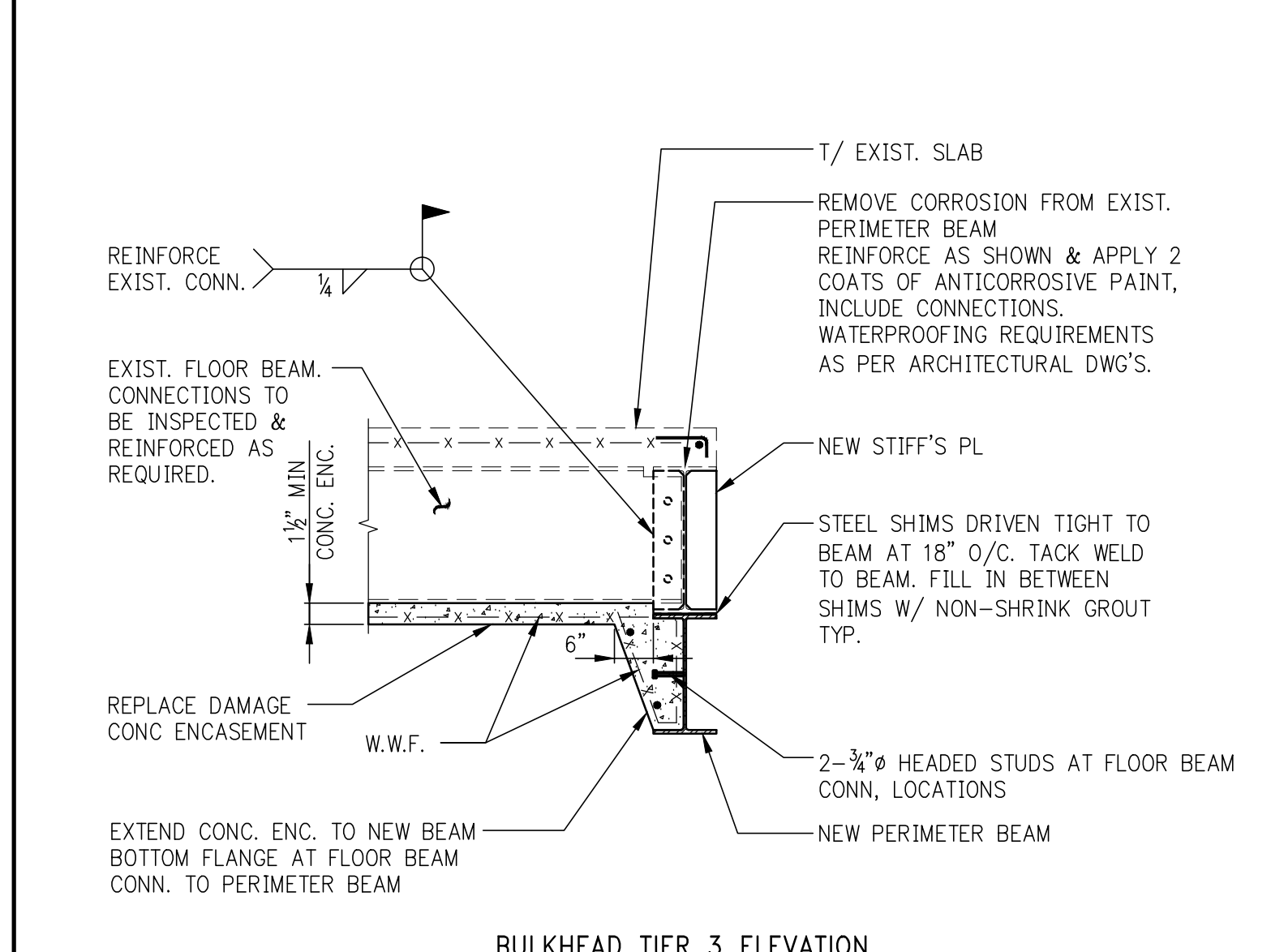


6 SECTION
SCALE: 1/2"=1'-0"



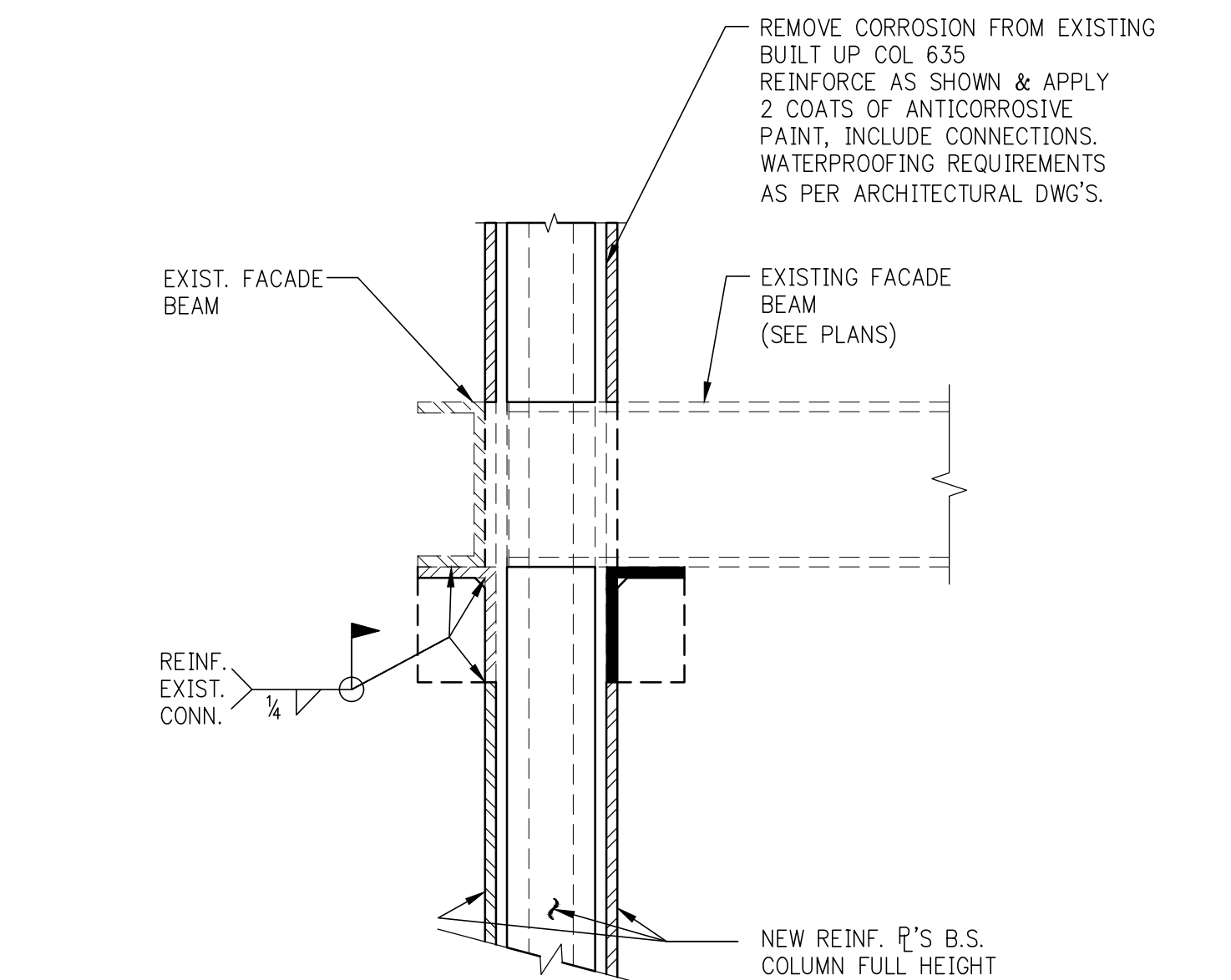
5 SECTION
SCALE: 1/2"=1'-0"

NOTES:
1. COLUMN CONNECTION TO SUPPORT GIRDER BELOW MAIN ROOF TO BE EXPOSED, INSPECTED & REINFORCED IF REQUIRED.
2. NEW CONCRETE ENCASUREMENT TO START WITH COLUMN AT PICK UP GIRDER BELOW MAIN ROOF.



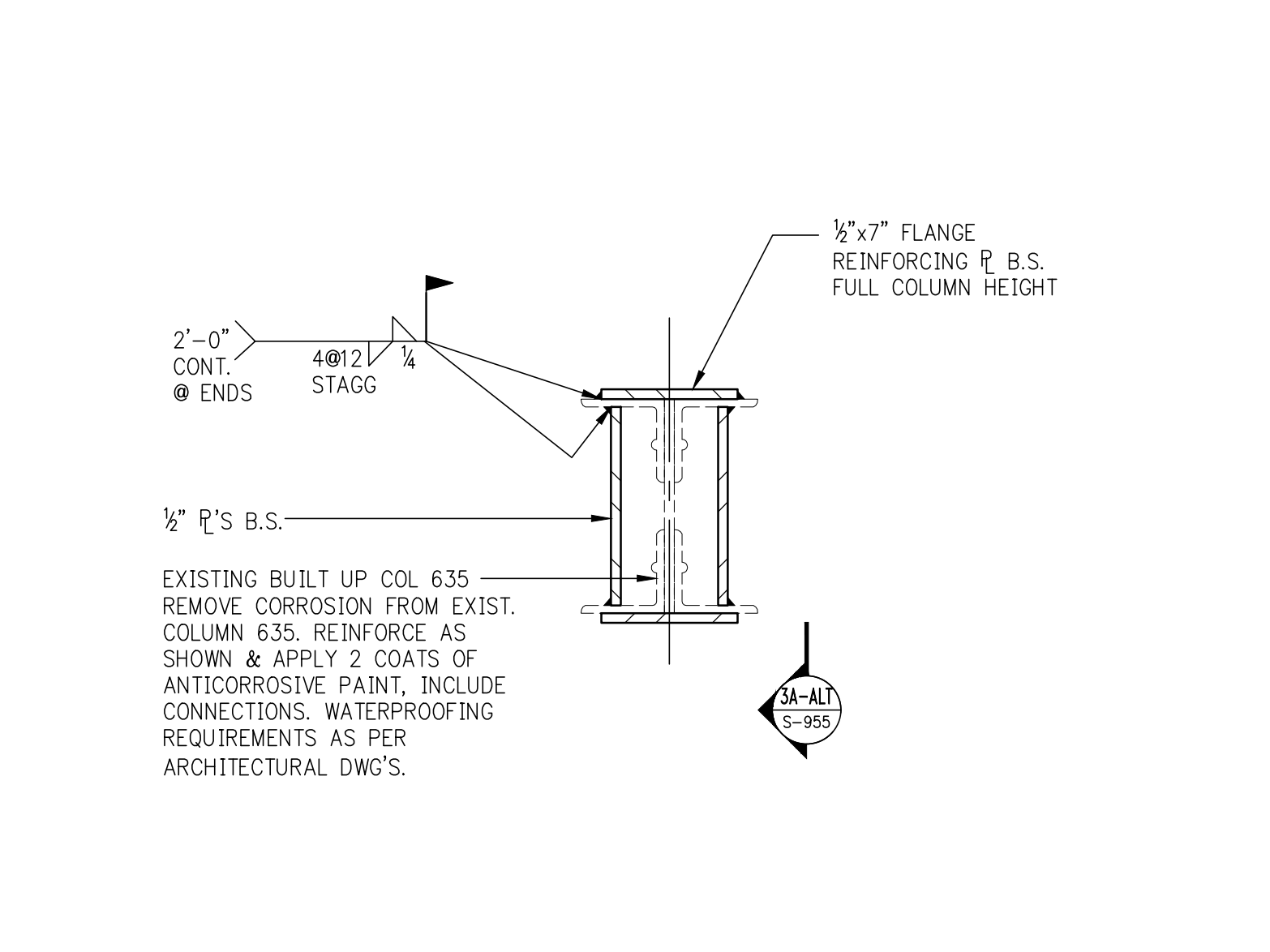
4 STEEL REPAIR DETAIL
SCALE: 1/2"=1'-0"

NOTES:
1. SEE SECTION 6 FOR BALANCE OF INFORMATION.



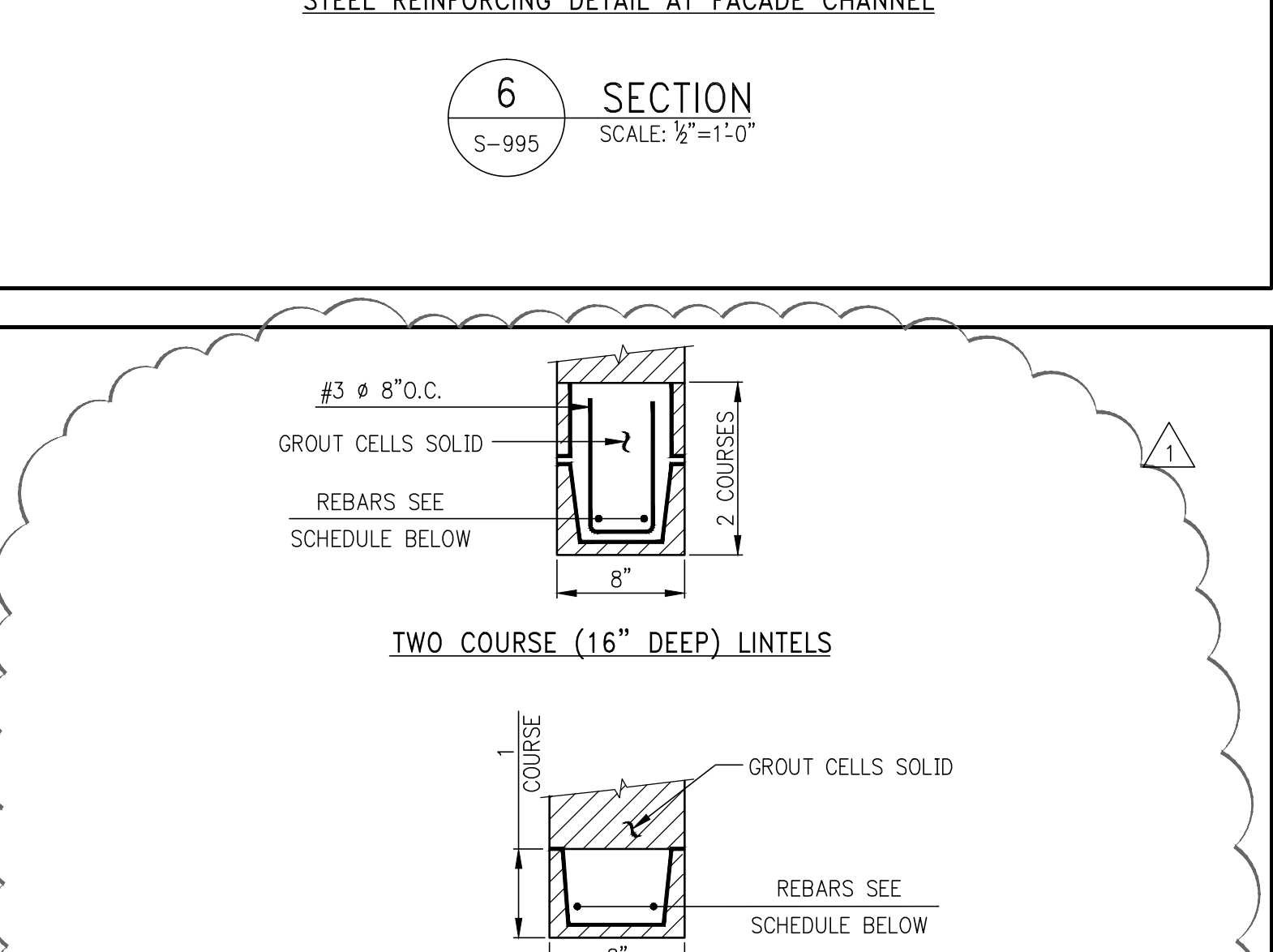
3A-ALT SECTION (ALTERNATE)
SCALE: 1/2"=1'-0"

NOTES:
1. REINFORCING PLATES TO START WITH COLUMN AT PICK UP GIRDER BELOW MAIN ROOF.



3-ALT STEEL REPAIR DETAIL (ALTERNATE)
SCALE: 1/2"=1'-0"

NOTES:
1. REINFORCING PLATES TO START WITH COLUMN AT PICK UP GIRDER BELOW MAIN ROOF.

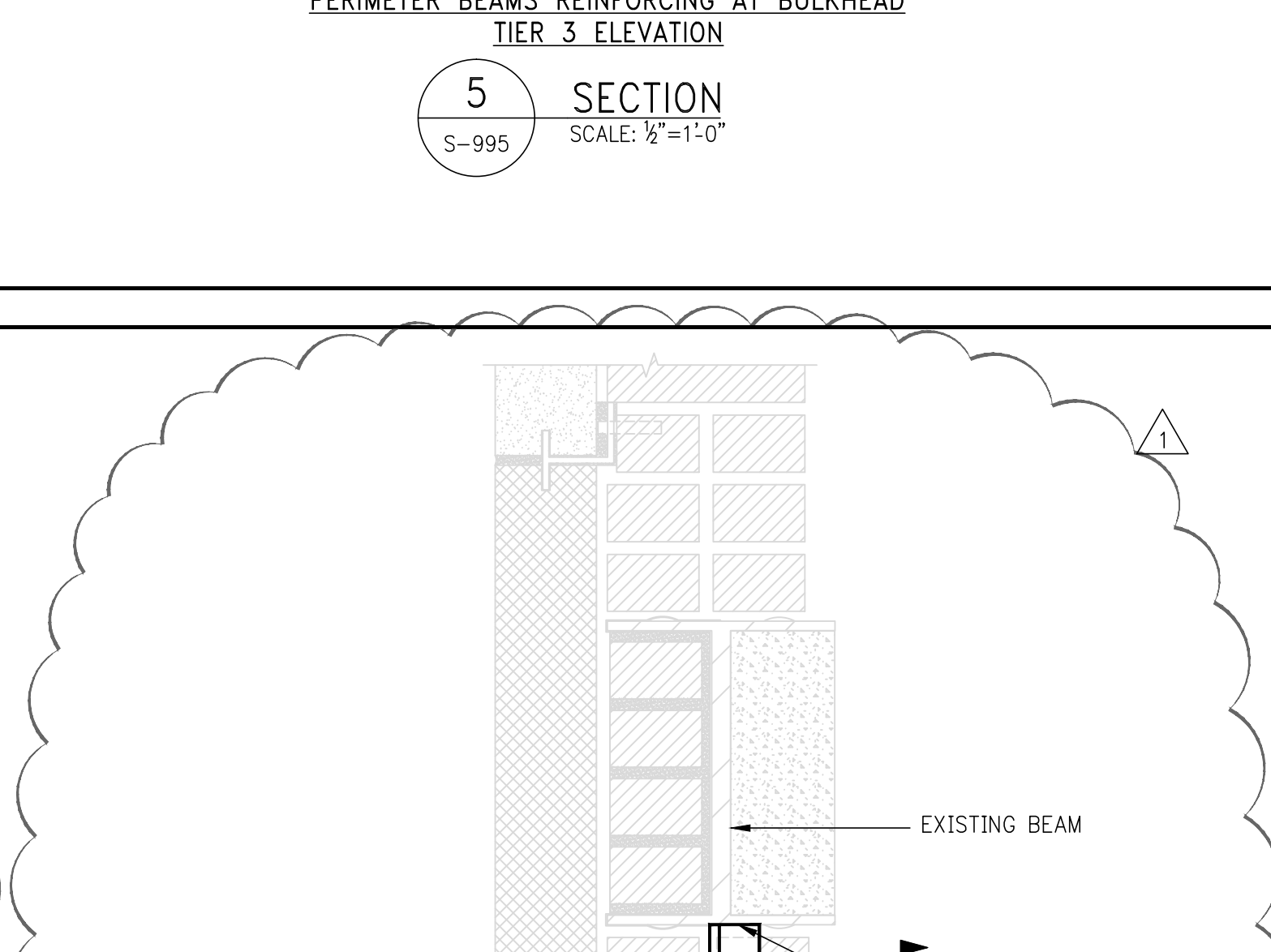


9C REINFORCED BLOCK LINTEL AT CMU BACK UP WALL
SCALE: 1/2"=1'-0"

REQUIRED REINFORCEMENT

LINTEL SECTION NOMINAL SIZE (IN.)	MASONRY OPENING							
	3'-4"	4'-0"	4'-8"	5'-4"	6'-0"	6'-8"	7'-4"	10'-0"
8x8	2-#5	-	-	-	-	-	-	-
8x16	2-#5	2-#5	2-#5	2-#5	2-#5	2-#5	2-#5	2-#7

NOTES:
1. PROVIDE 8" MINIMUM BEARING AT EACH END.
2. GROUT SHALL BE FINE GRIND.



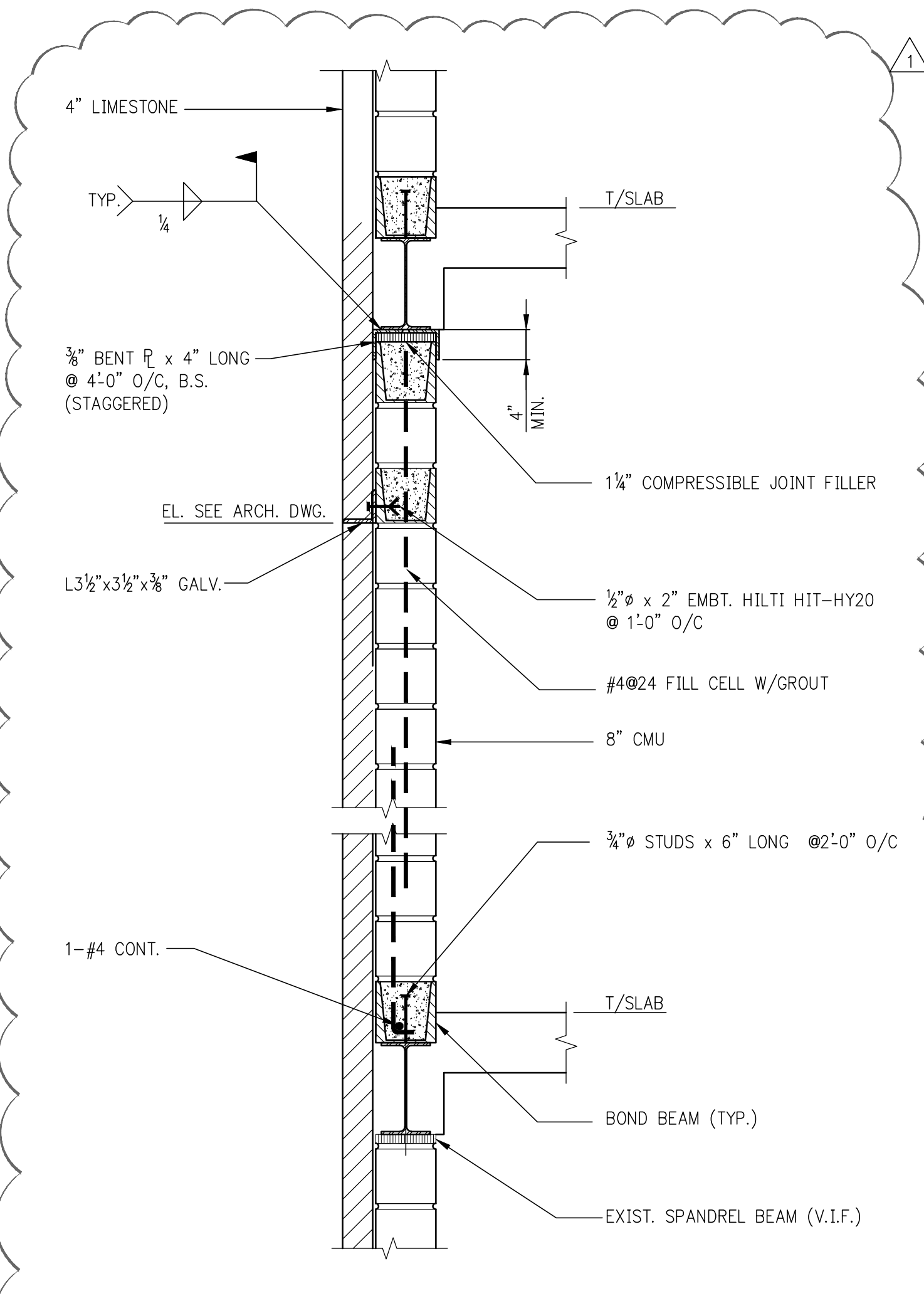
9B ALTERNATE LIMESTONE LINTEL REPLACEMENT AT OPENINGS OVER 4'-0" WIDE
SCALE: 1/2"=1'-0"

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

MASONRY OPENING	ANGLE SIZE PER EACH 4" WIDTH OF MASONRY (OR W + PL)	REMARKS
UP TO 5'-0"	L4 x 4 x 3/8	SEE ALSO 98&9C/S-995
5'-1" TO 8'-0"	L6 x 4 x 3/8	SEE ALSO 98&9C/S-995
8'-1" TO 10'-8"	L6 x 4 x 3/8	SEE ALSO 98&9C/S-995
10'-9" TO 14'-0"	WB18 x BOTTOM PLATE 7 x 7 (WELD PLATE TO BOTTOM FLANGE)	SEE ALSO 98&9C/S-995

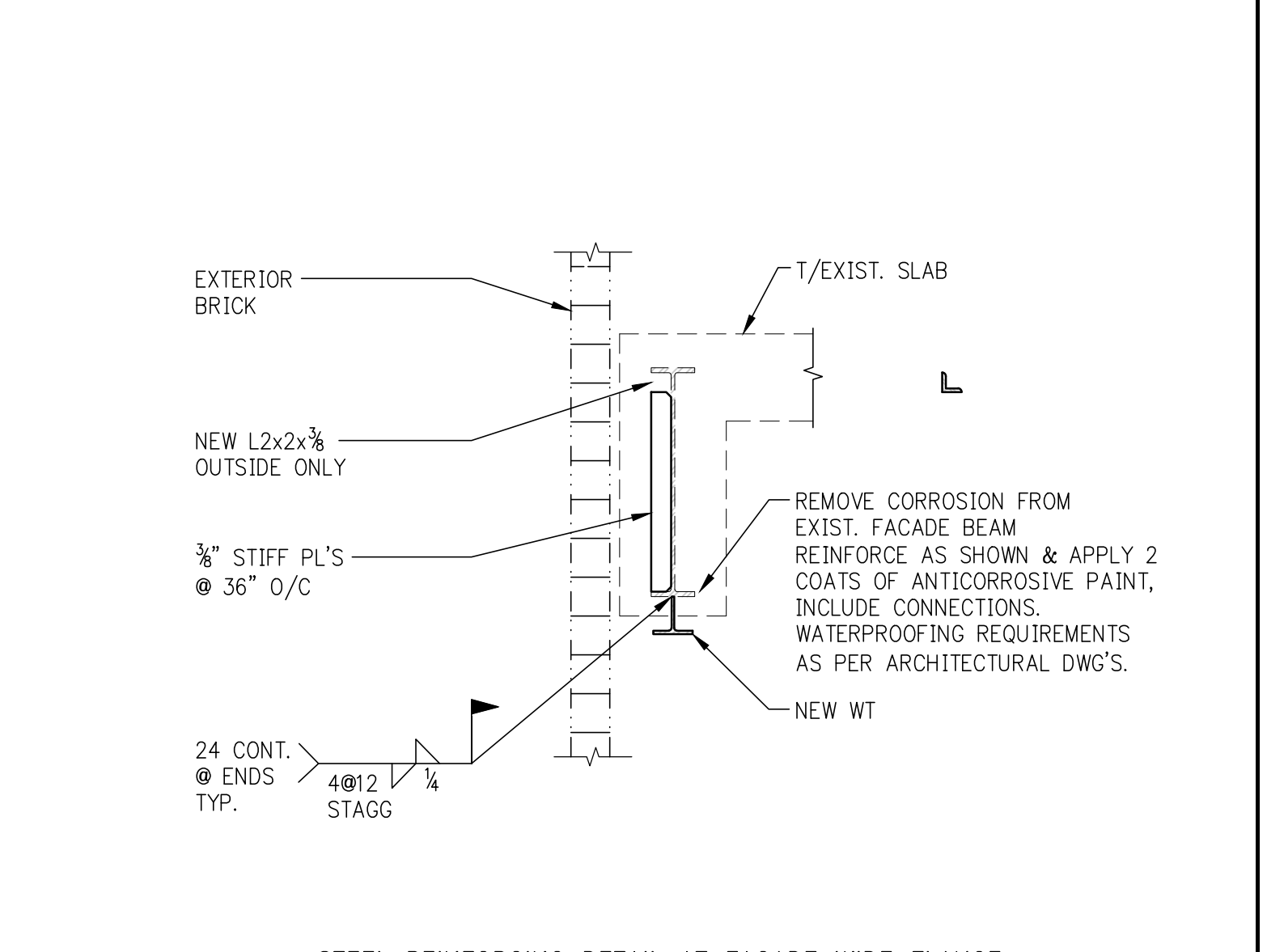
NOTES:
1. ANGLE LENGTH = MASONRY OPENING PLUS 1'-0" (6" BEARING AT EACH END).
2. ANGLE LONG LEG IS VERTICAL.
3. WB + PL TO BE USED AT 8" WIDE WALL ONLY.
4. PROVIDE EXTERIOR TYPE FIREPROOFING ON LINTELS FOR MASONRY OPENINGS GREATER THAN 4'-0". LINTELS OVER OPENINGS 4'-0" OR LESS IN WIDTH TO BE H.D. GALVANIZED.
5. JOINTS SHALL NOT BE LOCATED OVER THE MASONRY OPENING.

9A LOOSE LINTEL SCHEDULE
SCALE: 1/2"=1'-0"



8 SECTION AT LIMESTONE VENEER WITH CMU BACK UP WALL
SCALE: 1/2"=1'-0"

NOTES:
1. CODE: MASONRY WALL CONSTRUCTION SHALL CONFORM TO THE NEW YORK CITY BUILDING CODE AND TO ACI 530/ASCE-5 AS REFERENCED BY THE NYC CODE.
2. MASONRY UNITS SHALL BE LIGHTWEIGHT HOLLOW LOAD BEARING CONCRETE MASONRY (CMU). COMPRESSIVE STRENGTH OF MASONRY FM SHALL BE A MINIMUM OF 1,800 PSI.
3. MORTAR SHALL BE TYPE M OR S.
4. HORIZONTAL JOINT REINFORCEMENT SHALL BE TRUSS TYPE GALVANIZED COLD-DRAWN STEEL WIRE CONFORMING TO ASTM A 951.
5. PROVIDE HORIZONTAL JOINT REINFORCEMENT IN EVERY OTHER JOINT (16" O.C. VERTICALLY) UNLESS PLANS OR DETAILS CALL FOR CLOSER SPACING OR ADDITIONAL REINFORCEMENT.
6. BAR REINFORCEMENT: ASTM A 615 GRADE 60, PER SCHEDULE FOR ADDITIONAL REINFORCEMENT: SEE WALL REINFORCEMENT ELEVATION.
7. ALL CELLS WITH REINFORCEMENT SHALL BE GROUTED SOLID FOR THE FULL EXTENT OF BAR, VERTICAL AND HORIZONTAL.
8. GROUT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI. GROUT SHALL BE "FINE" AS DEFINED BY ASTM C 476.
9. STEEL ANGLES: ASTM A 36. STEEL IN AN EXTERIOR WALL OR EXPOSED TO THE EXTERIOR SHALL BE GALVANIZED.
10. CONTRACTOR SHALL COORDINATE ALL MASONRY WORK WITH ARCHITECTURAL DWG'S.



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

NOTES:
1. REINFORCING PLATES TO START WITH COLUMN AT PICK UP GIRDER BELOW MAIN ROOF.