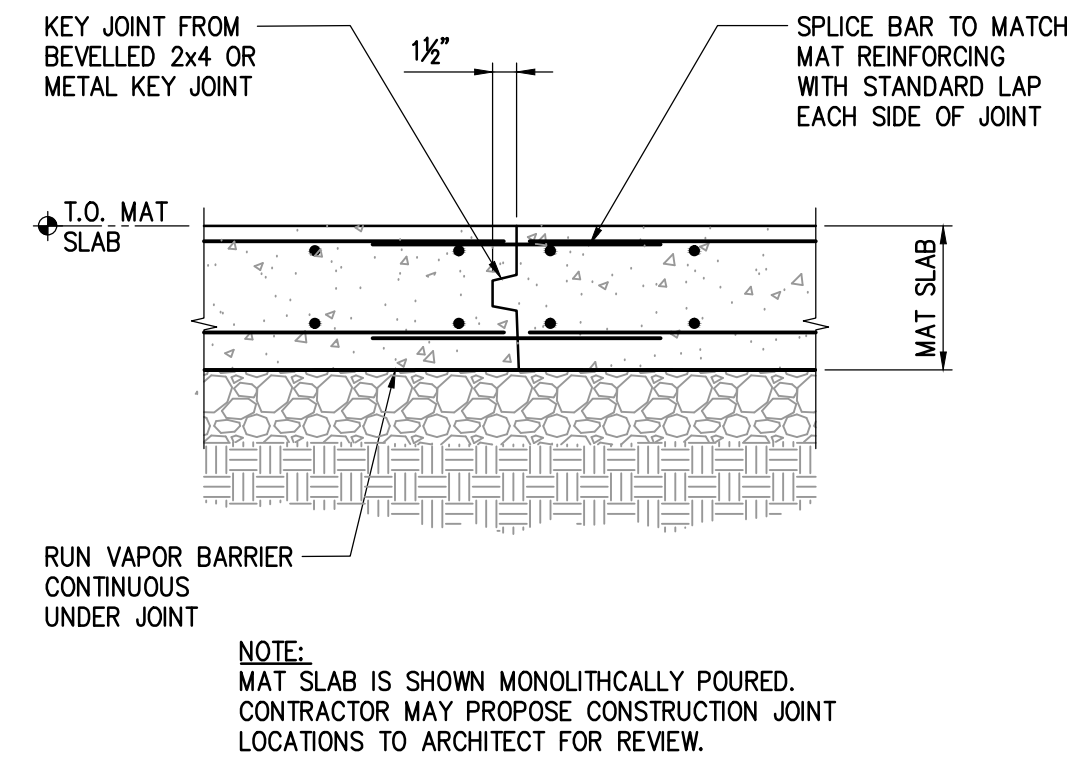




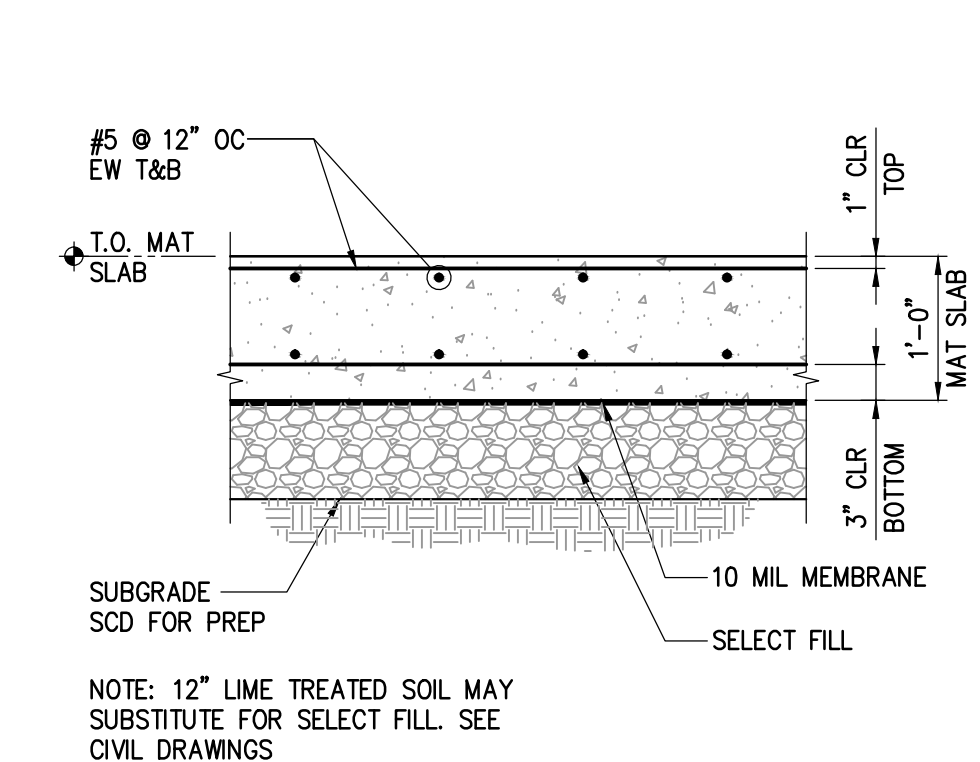
CONCRETE STRENGTH PSI	BAR TYPE	BAR SIZE																	
		#3		#4		#5		#6		#7		#8		#9		#10		#11	
		CLASS A	CLASS B	CLASS A	CLASS B	CLASS A	CLASS B	CLASS A	CLASS B	CLASS A	CLASS B	CLASS A	CLASS B	CLASS A	CLASS B	CLASS A	CLASS B	CLASS A	CLASS B
2500	TOP BAR	24	31	32	41	39	51	47	61	69	89	78	102	88	115	100	129	110	143
	ALL OTHER BARS	18	24	24	32	30	39	36	47	53	69	60	78	68	88	77	100	85	110
3000	TOP BAR	22	28	29	37	36	47	43	56	63	81	72	93	81	105	91	118	101	131
	ALL OTHER BARS	17	22	22	29	28	36	33	43	48	63	55	72	62	81	70	91	78	101
4000	TOP BAR	19	24	25	33	31	41	37	49	54	71	62	81	70	91	79	102	87	113
	ALL OTHER BARS	15	19	19	25	24	31	29	37	42	54	48	62	54	70	61	79	67	87
5000	TOP BAR	17	22	23	29	28	36	34	43	49	63	56	72	63	81	70	92	78	102
	ALL OTHER BARS	13	17	17	23	22	28	26	34	38	49	43	56	48	63	54	70	60	78

- NOTES:
1. SPLICE LENGTH IN INCHES. USE CLASS B FOR ALL LAP SPLICES EXCEPT CLASS A MAY BE USED FOR NON-STRUCTURAL SLABS ON GRADE. TOP BARS = HORIZONTAL BARS (OTHER THAN IN WALLS) PLACED WITH MORE THAN 12" OF FRESH CONCRETE CAST BELOW BARS.
  2. TABLE IS BASED UPON MINIMUM CLEAR COVER GREATER THAN ONE BAR DIAMETER AND MINIMUM CLEAR SPACING GREATER THAN TWO BAR DIAMETERS. WHERE EITHER OF THESE REQUIREMENTS IS NOT MET, INCREASE LAP LENGTH BY 50%.
  - 3.
  - 4.

**13 REINFORCING BAR LAP SPLICE SCHEDULE IN CONCRETE**  
NTS

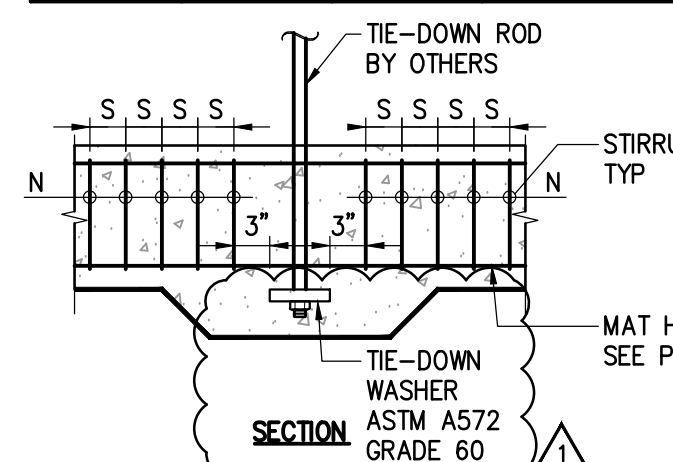


**5 CONSTRUCTION JOINT (CJ) CONC MAT**  
NTS

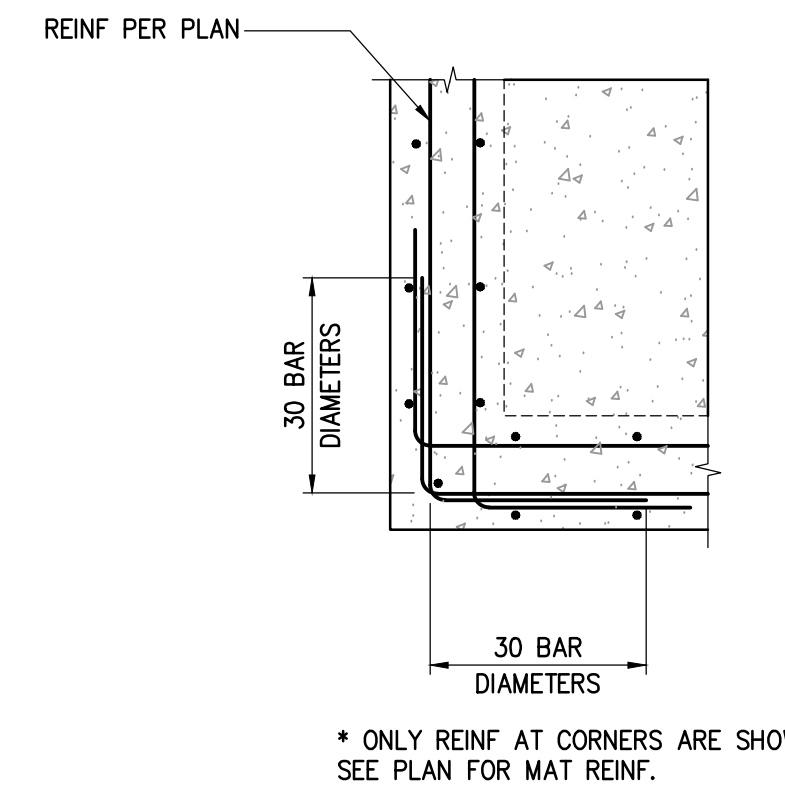
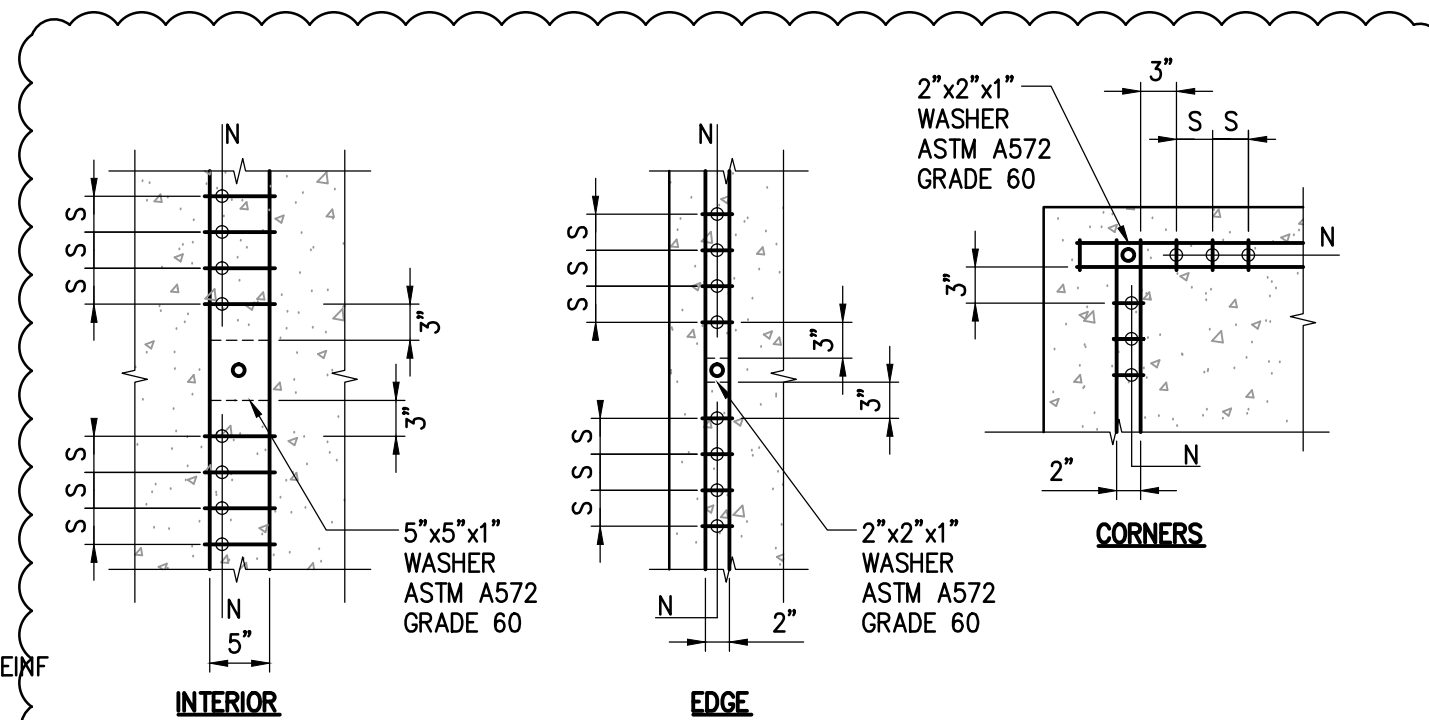


**1 TYPICAL MAT SLAB SECTION**  
NTS

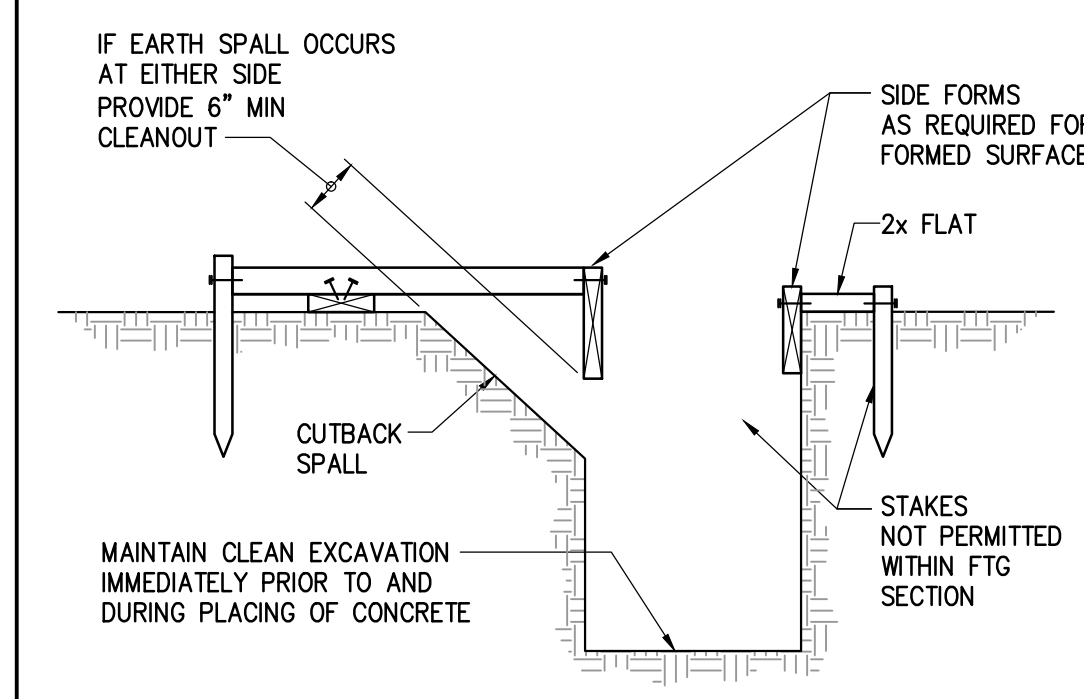
TIE-DOWN LOADS (KIP)	STIRRUP SIZE	SPACING (S)	# OF STIRRUP (N)
40-55	#5	3"	9
25-40	#4	3"	7
10-25	#4	3"	3
0-15	#4	3"	1



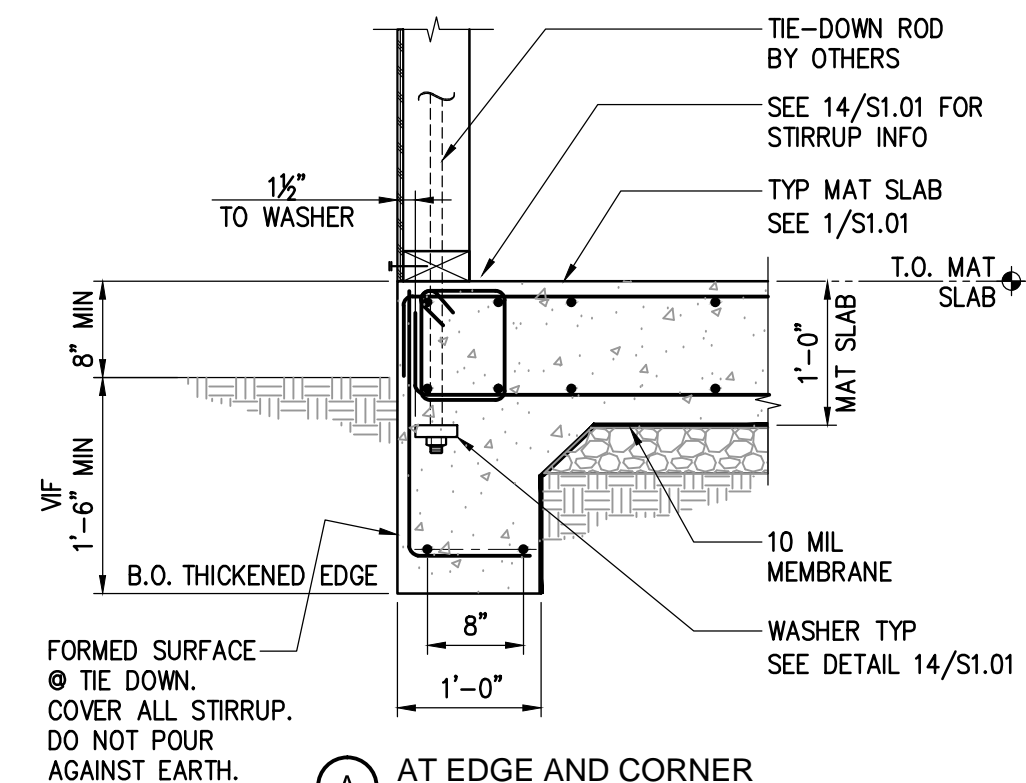
**14 STIRRUP SIZE SCHEDULE**  
NTS



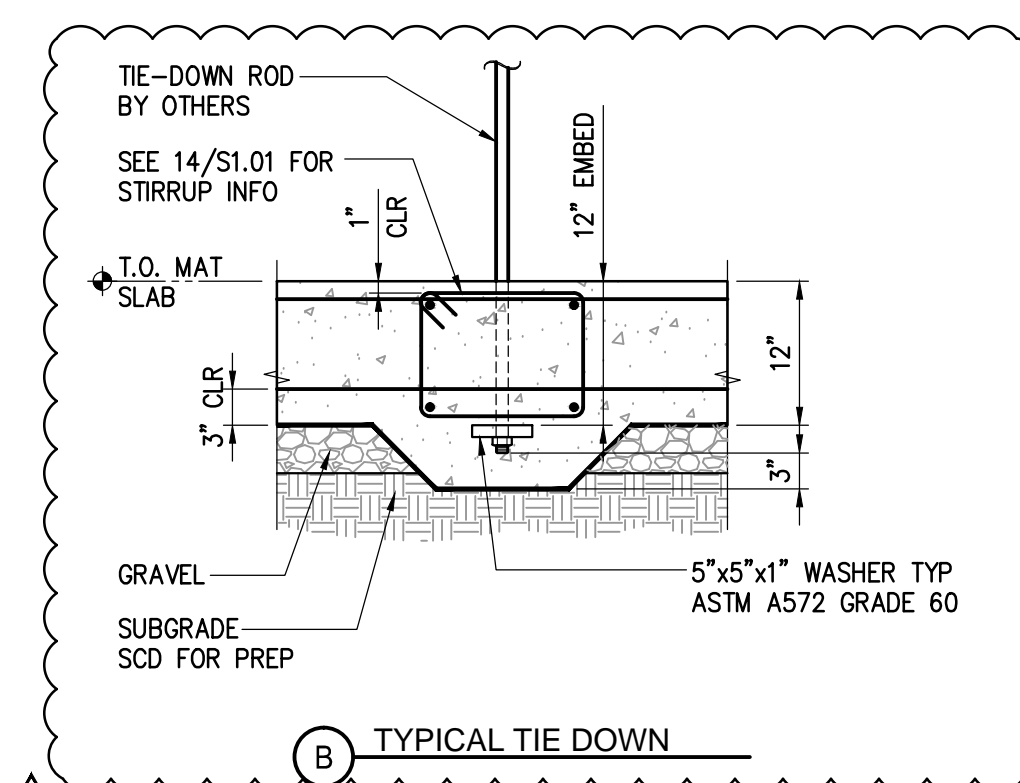
**6 TYPICAL REINFORCING AT MAT CORNERS**  
NTS



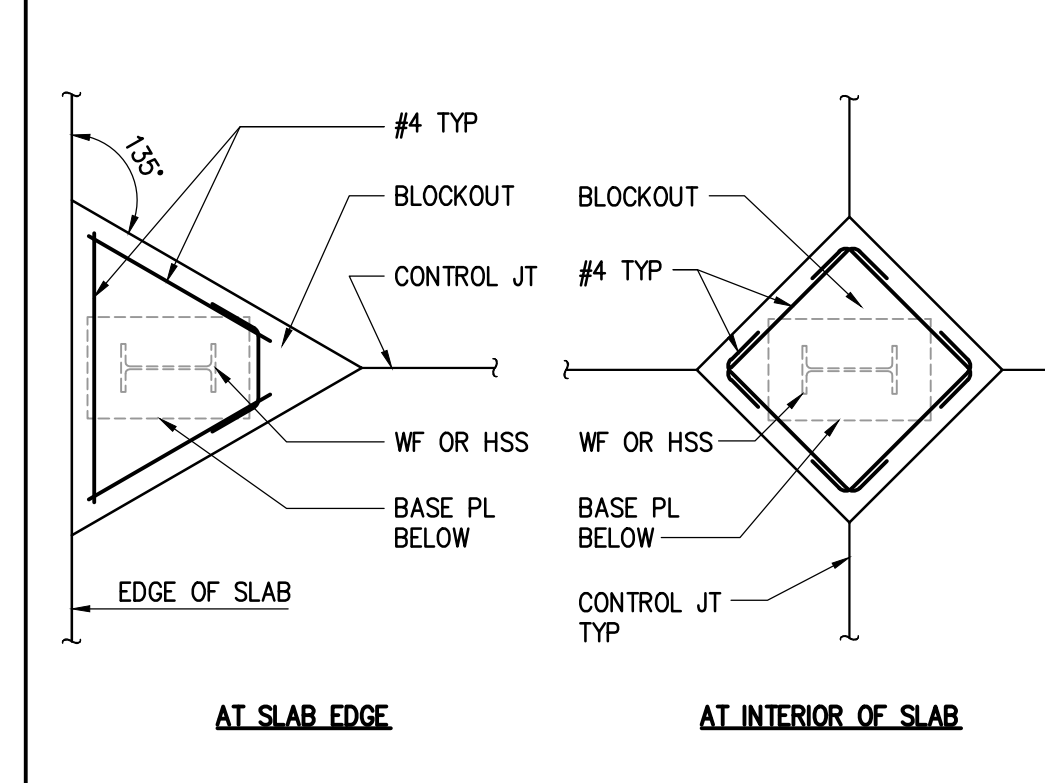
**2 TRENCHED FOOTING DETAIL**  
NTS



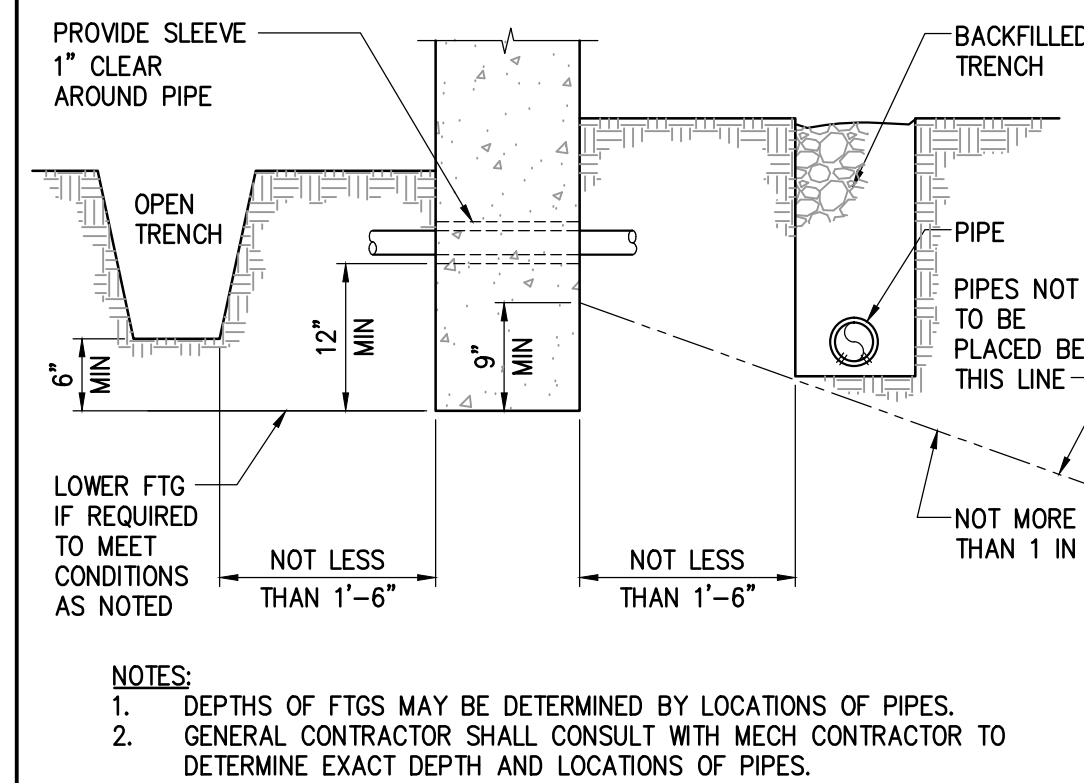
**15 TYPICAL MAT SLAB HOLDOWN DETAILS**  
NTS



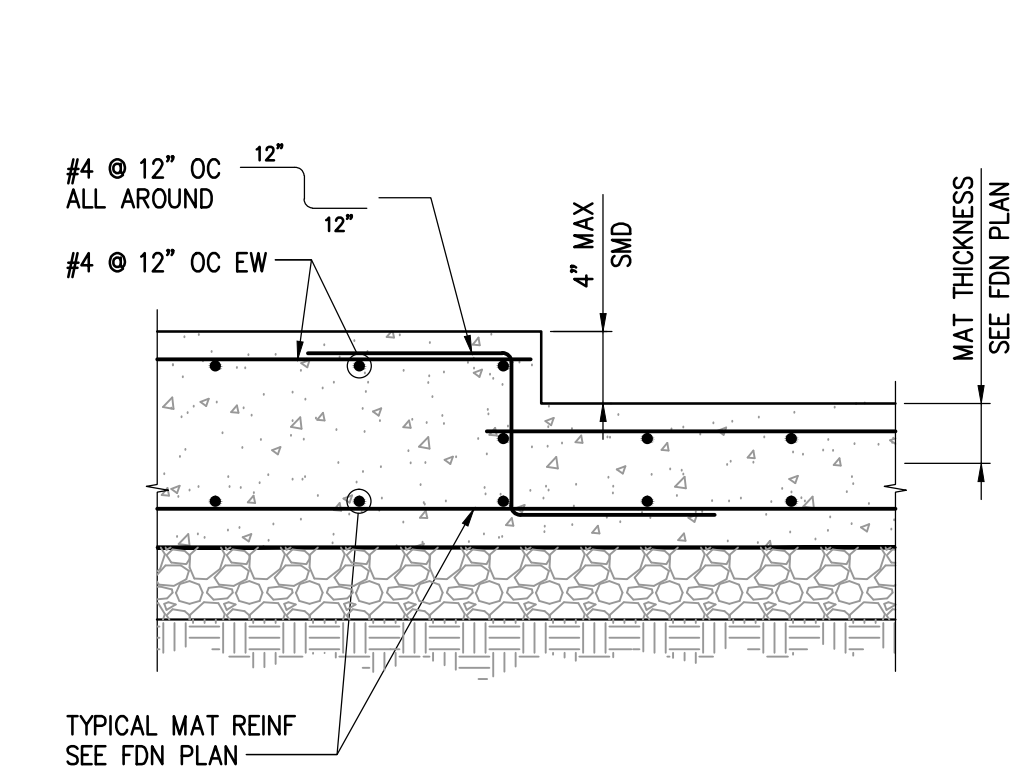
**15 TYPICAL MAT SLAB HOLDOWN DETAILS**  
NTS



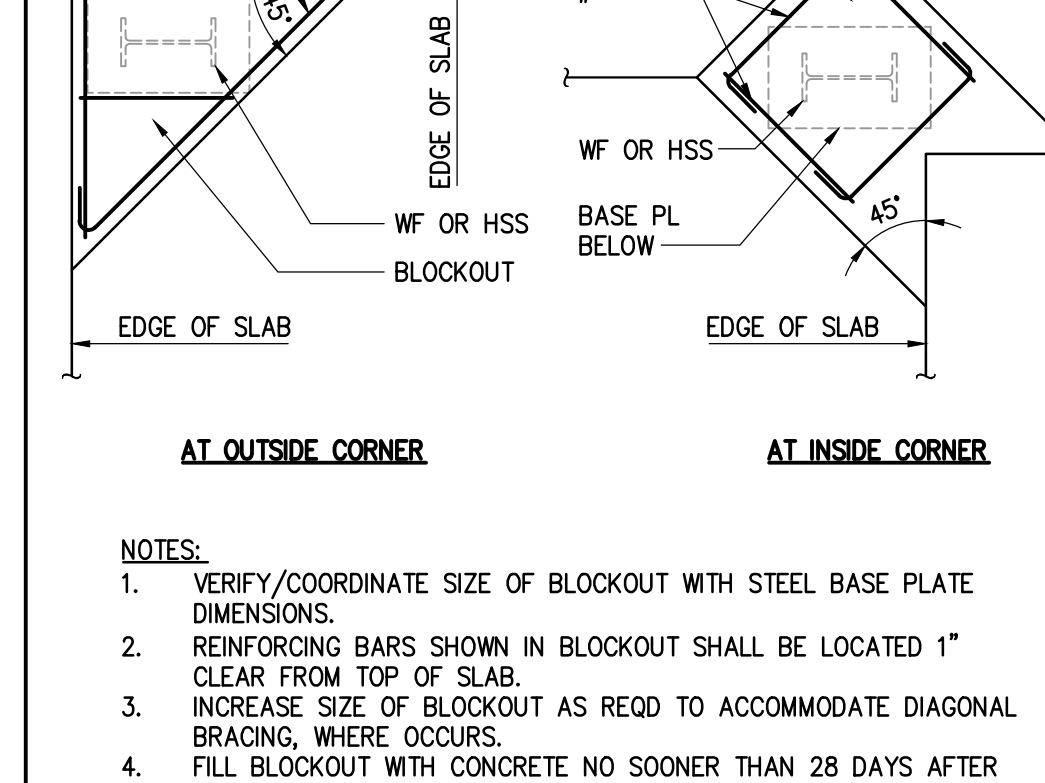
**8 TYPICAL COL BLOCKOUT IN SLAB ON GRADE**  
NTS



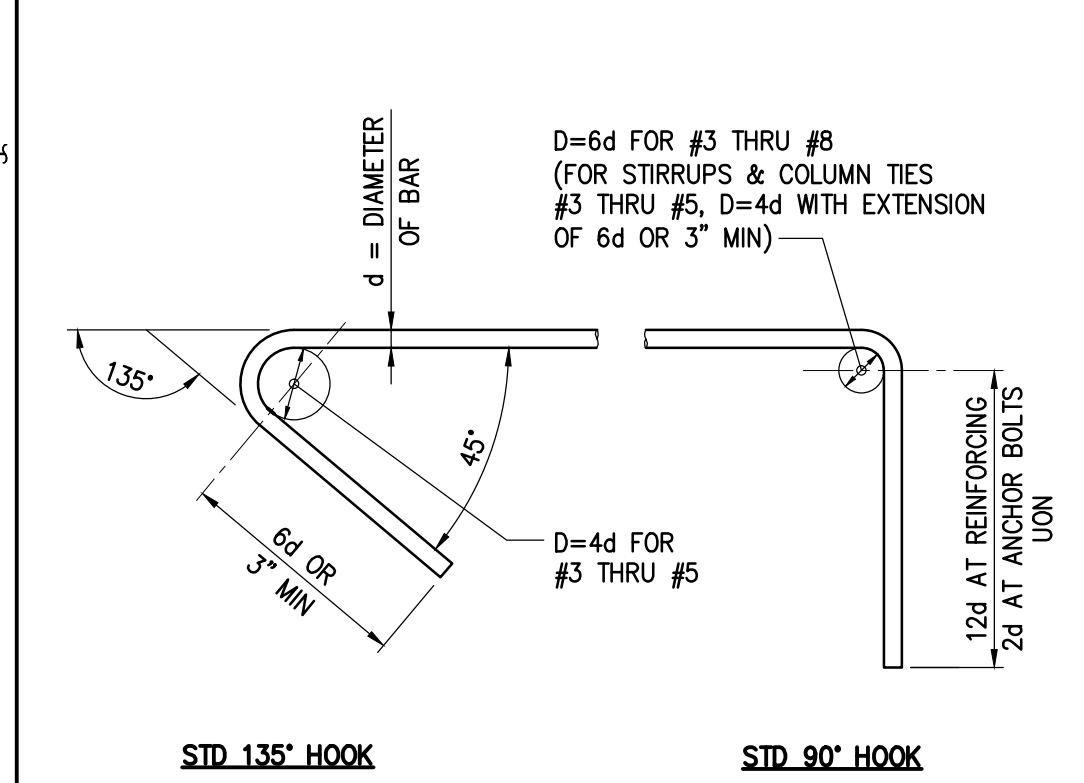
**3 REACTION OF PIPES & TRENCHES TO SPREAD FOOTING**  
NTS



**12 MECHANICAL EQUIPMENT PAD ON GRADE**  
NTS



**8 TYPICAL COL BLOCKOUT IN SLAB ON GRADE**  
NTS



**4 TYPICAL REINFORCING BAR & ANCHOR BOLT HOOK**  
NTS

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**IDA STRUCTURAL ENGINEERS**  
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Oakland, CA 94612  
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ida-se.com

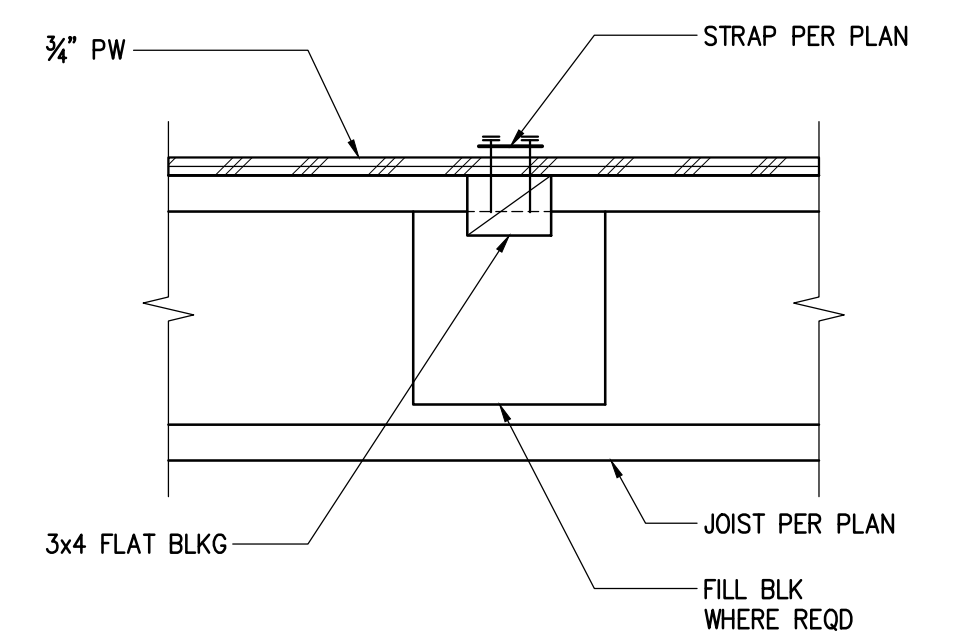
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RE-SUBMITTAL

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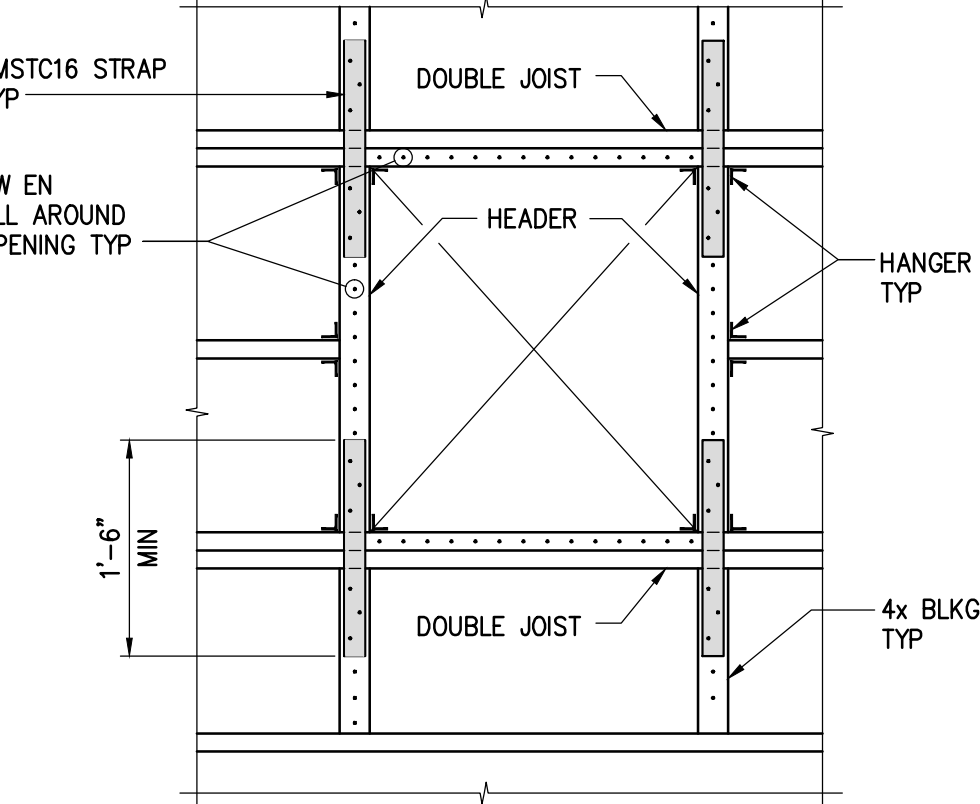
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scale AS INDICATED

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file name  
job number 201517.00  
drawing CONCRETE TYPICAL DETAILS  
sheet number

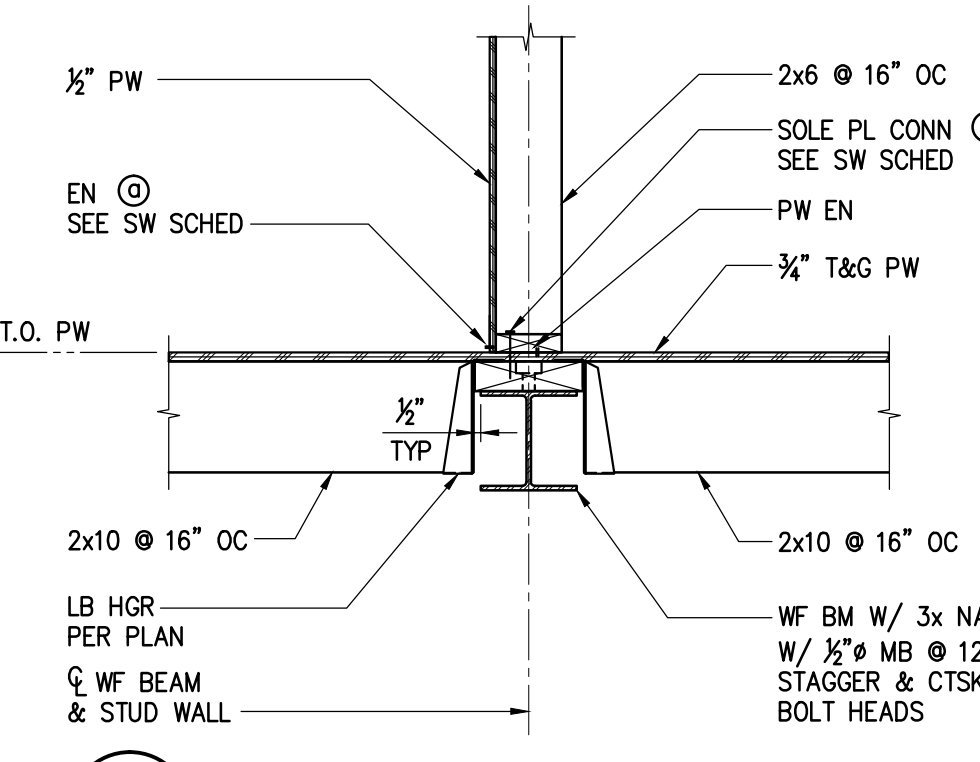
**S1.01**



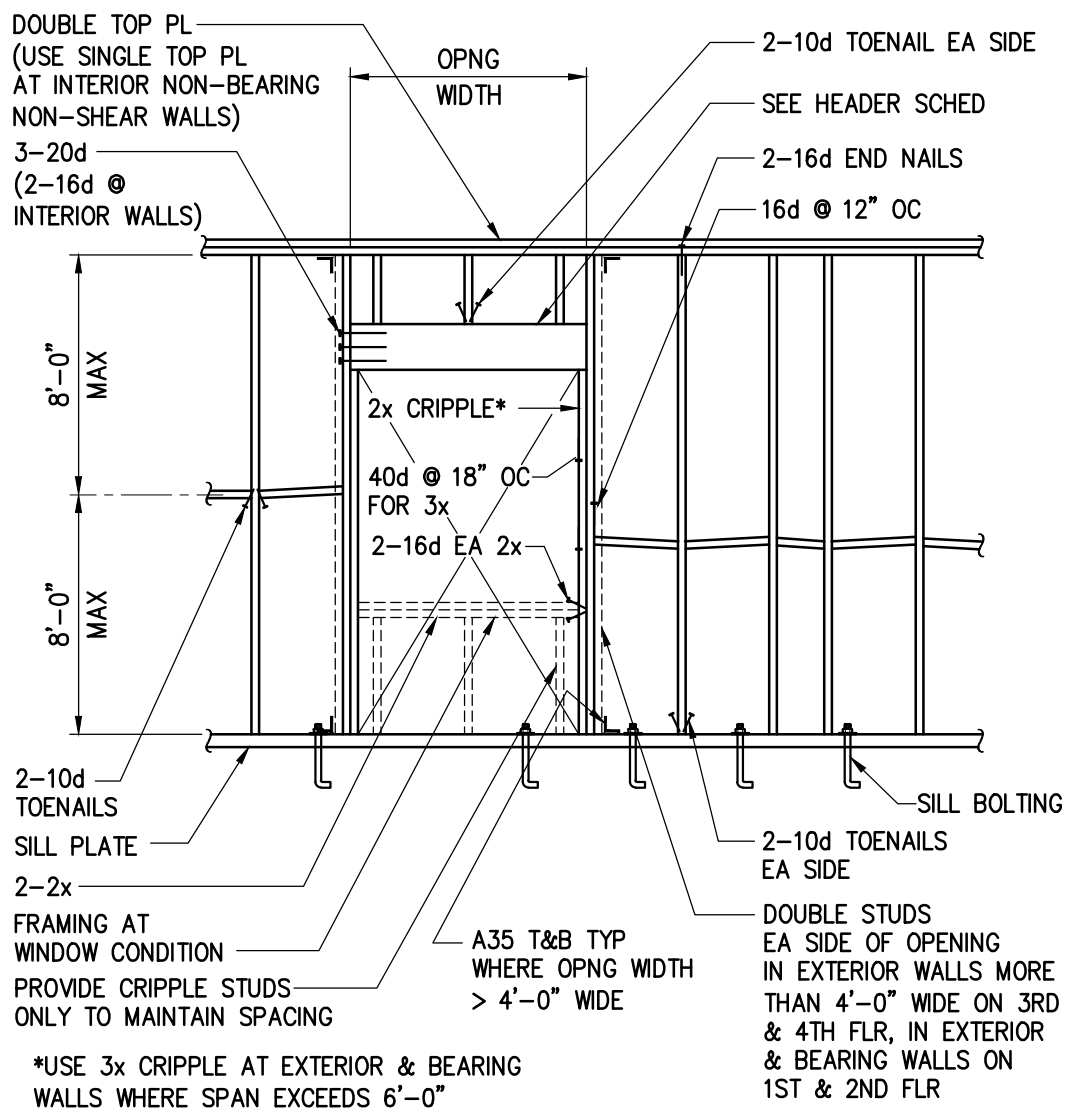
**17 SECTION AT STRAP & BLKG**  
NTS



**18 TYP FRAMING AT ROOF & FLOOR OPENINGS**  
(UNLESS SHOWN OTHERWISE) NTS



**19 SECTION**  
NTS



FRAMING AT WINDOW CONDITION PROVIDE CRIPPLE STUDS ONLY TO MAINTAIN SPACING

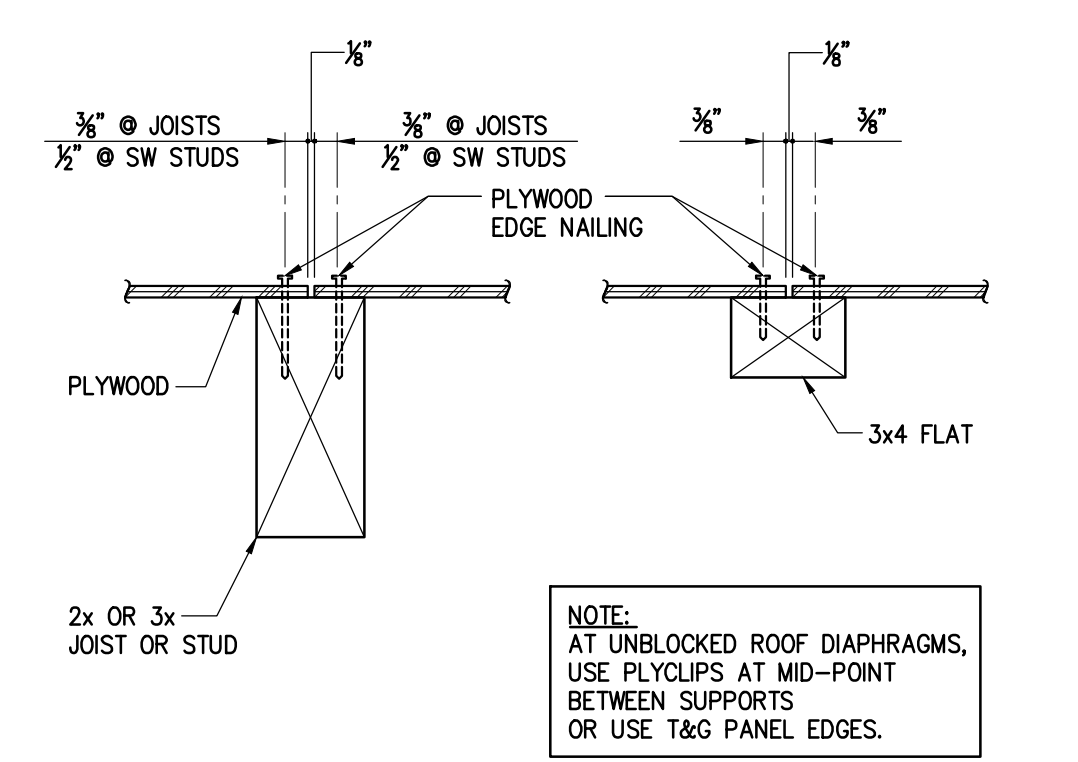
\*USE 3x CRIPPLE AT EXTERIOR & BEARING WALLS WHERE SPAN EXCEEDS 6'-0"

HEADER SCHEDULE EXTERIOR AND BEARING WALLS				
SPAN	3'-0" MAX	4'-0" MAX	6'-0" MAX	OVER 6'-0"
2x4 STUDS	4x6	4x8	4x10	SEE SPECIFIC DETAILS ON DRAWINGS
2x6 STUDS	3-2x6 OR 4x6 FLAT	3-2x6 OR 6x6	3-2x8 OR 6x8	

HEADER SCHEDULE INTERIOR NON-BEARING WALLS **				
SPAN	3'-0" MAX	4'-0" MAX	6'-0" MAX	OVER 6'-0"
2x4 STUDS	2x4 FLAT	2-2x4 FLAT	4x4	SEE SPECIFIC DETAILS ON DRAWINGS
2x6 STUDS	2x6 FLAT	2-2x6 FLAT	4x6 FLAT	

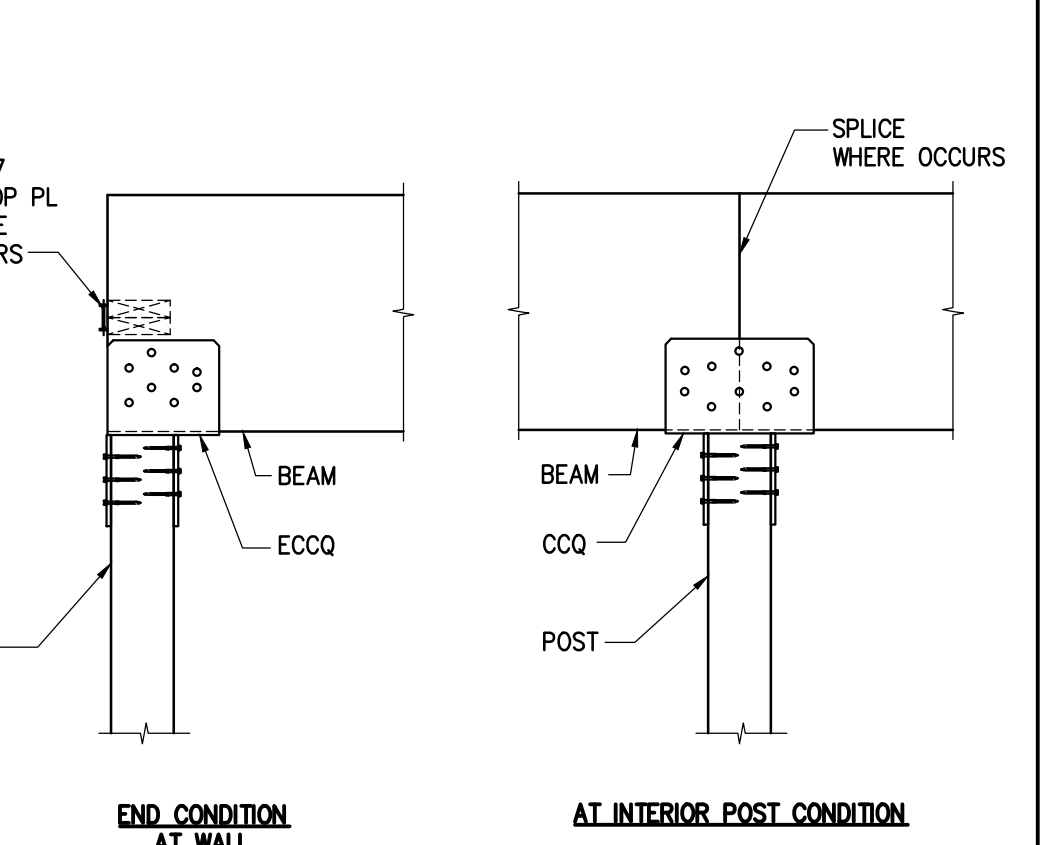
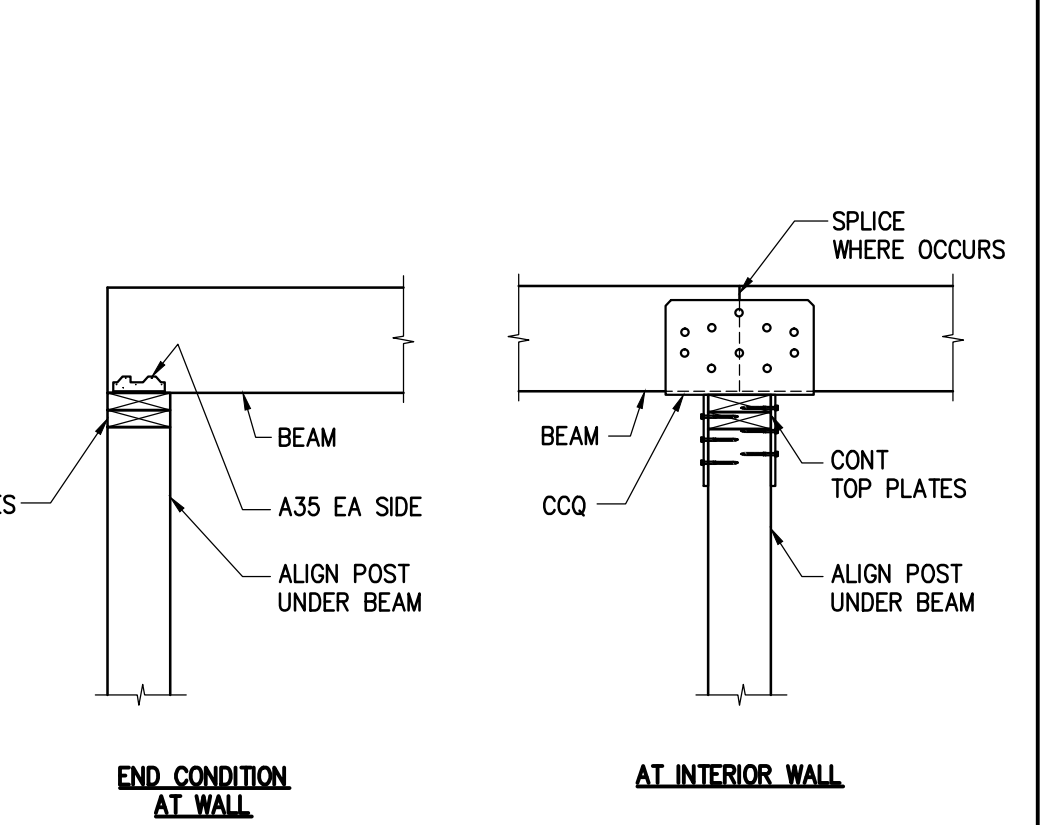
- NOTE:
- IF MORE THAN 5'-0" OF SOLID WALL OCCURS OVER OPENING, USE BEARING WALL SCHEDULE
  - OMIT CRIPPLE STUDS AT INT NON BEARING WALL
  - ASSUMES MAX STUD HEIGHT IS LESS THAN 10 FT.

**14 TYPICAL FRAMING AT WINDOW / DOOR OPENING**  
NTS

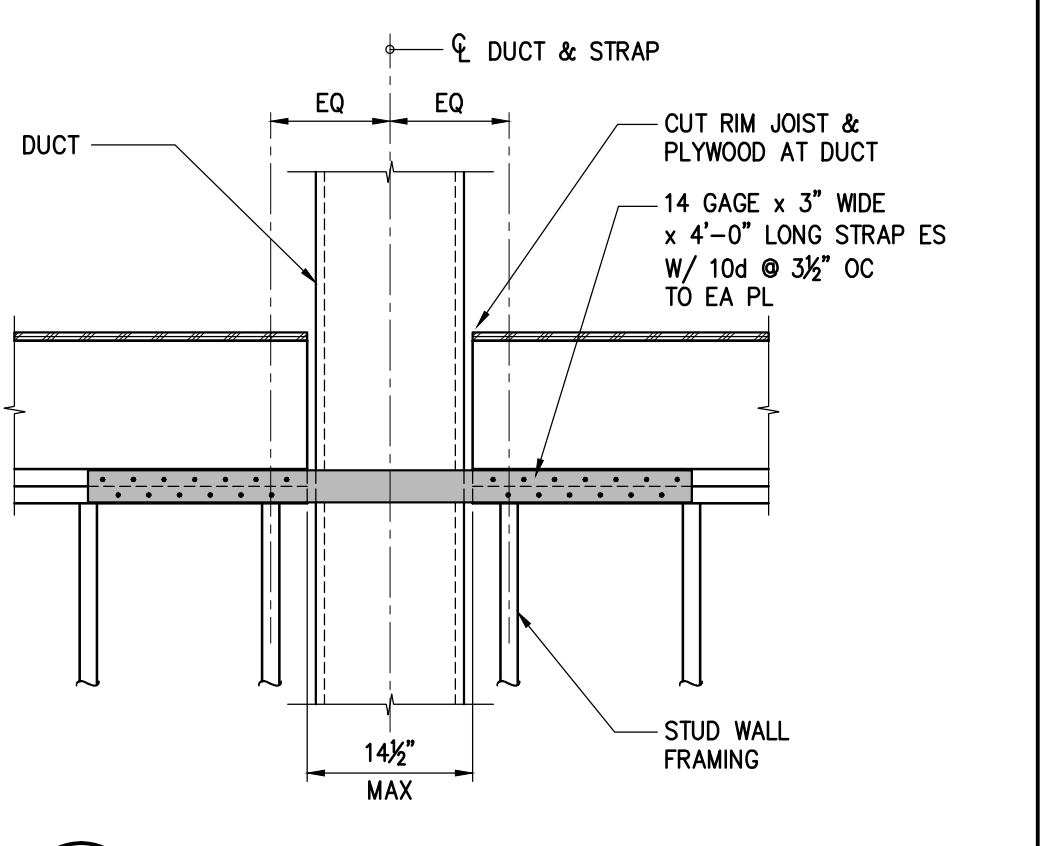


**15 TYP PW PANEL EDGE DETAIL**  
NTS

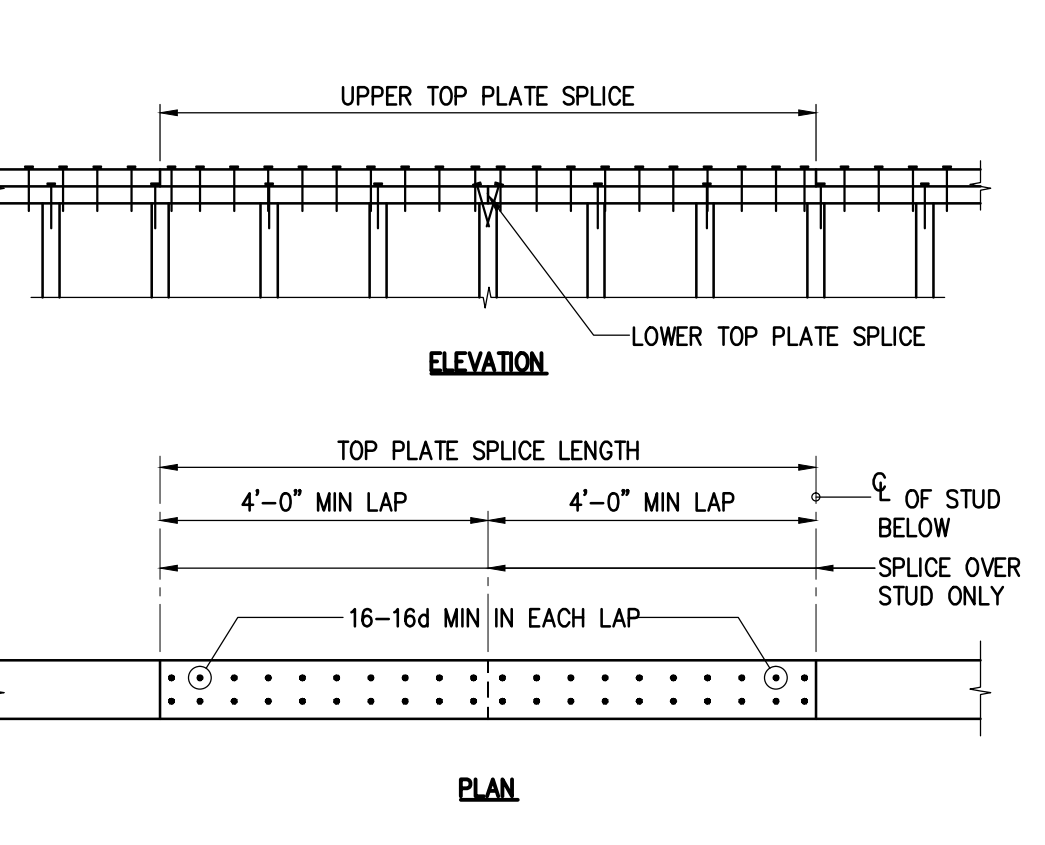
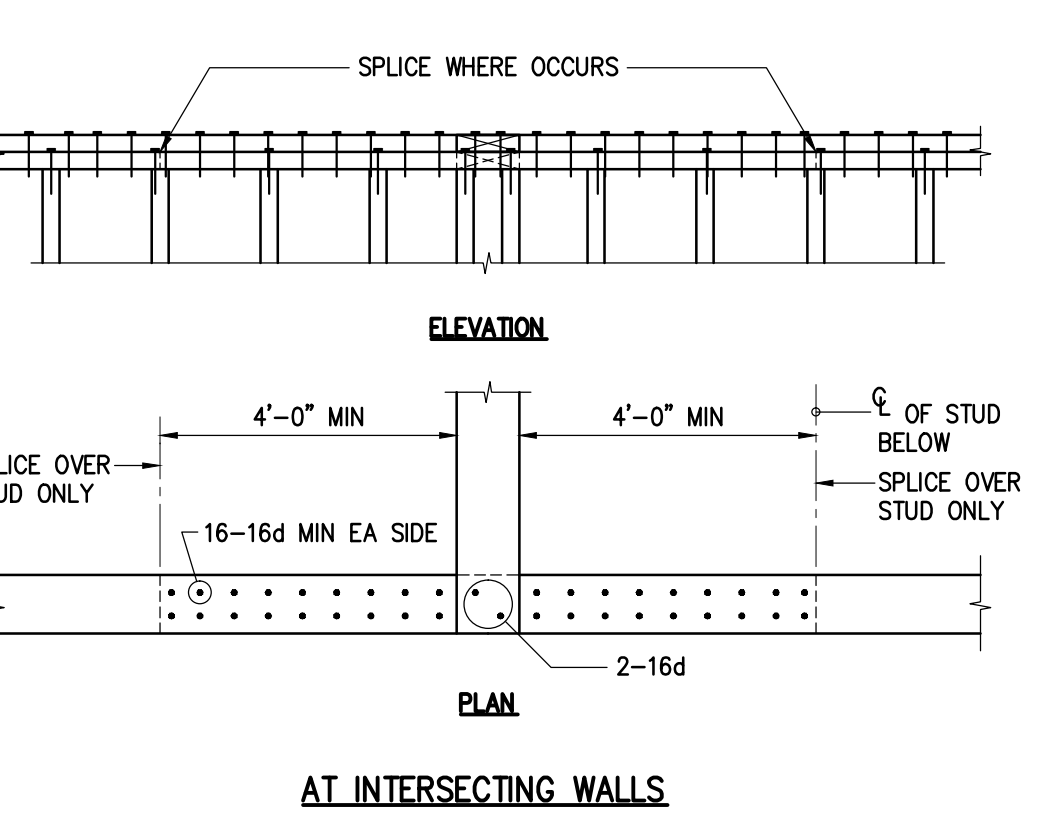
NOTE: AT UNBLOCKED ROOF DIAPHRAGMS, USE PLYCLIPS AT MID-POINT BETWEEN SUPPORTS OR USE T&G PANEL EDGES.



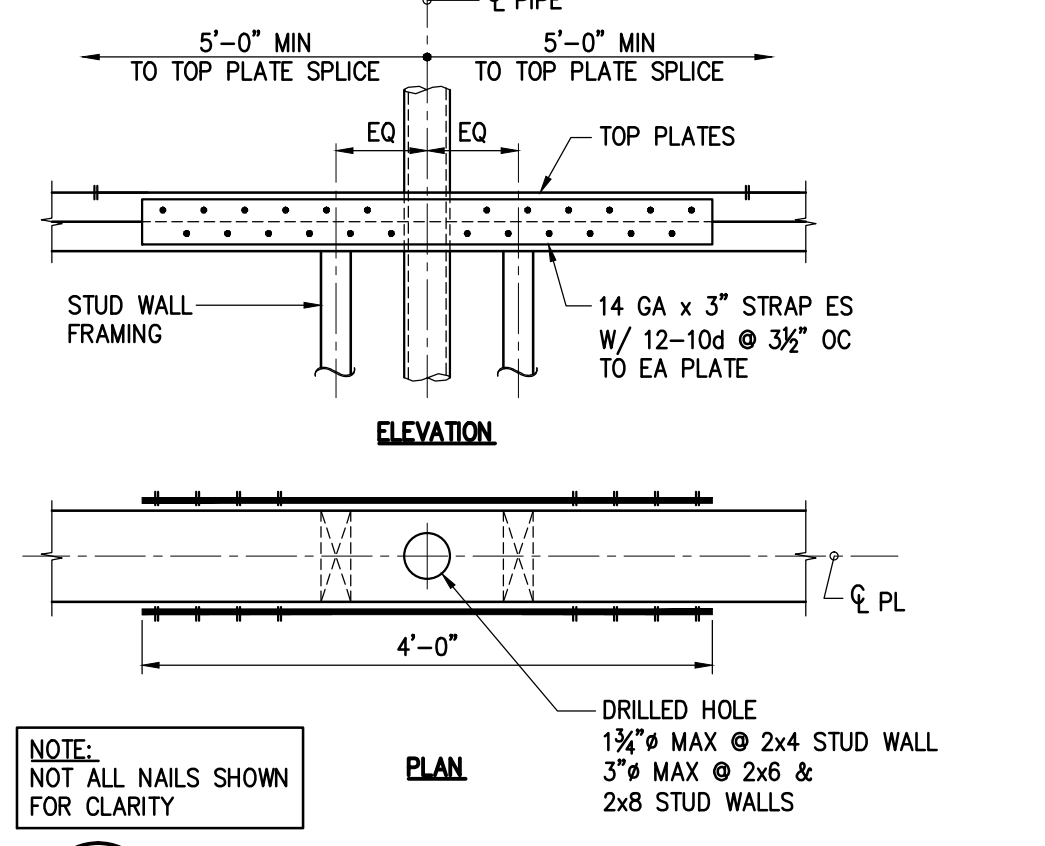
**10 TYPICAL BEAM TO POST**  
NTS



**11 DUCT PENETRATION AT STUD WALL TOP PLATES**  
NTS

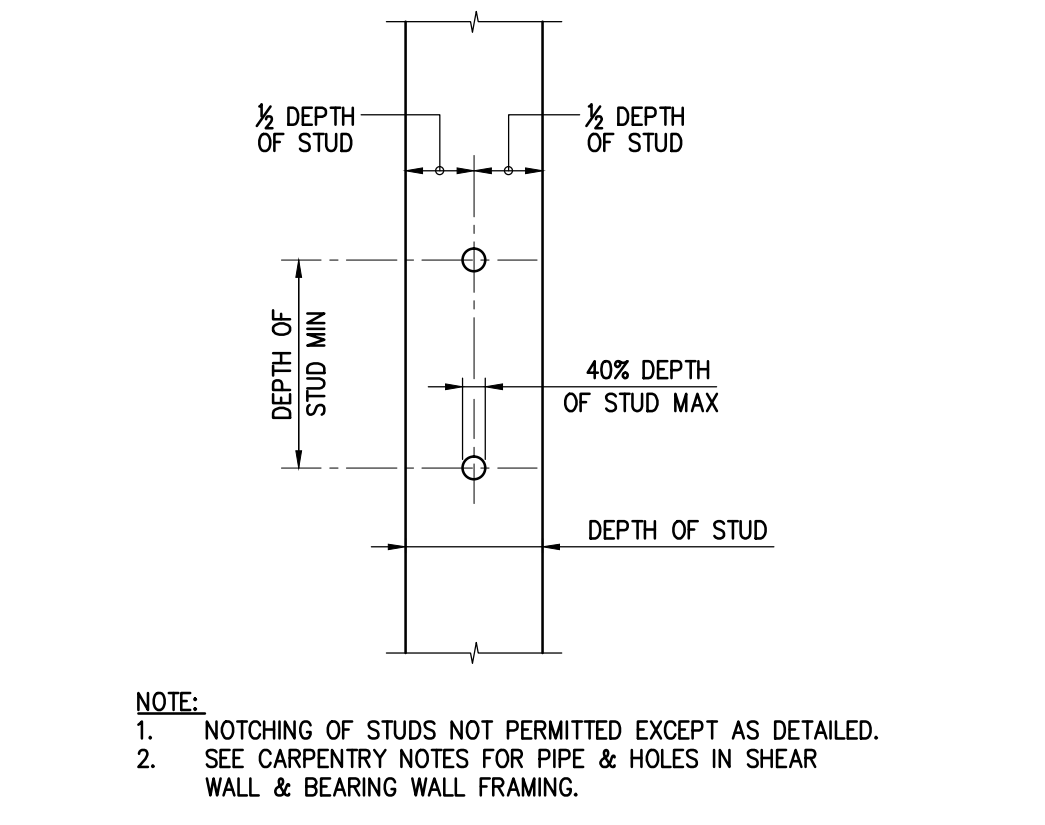


**6 TYPICAL TOP PLATE SPLICE**  
UNLESS OTHERWISE NOTED NTS

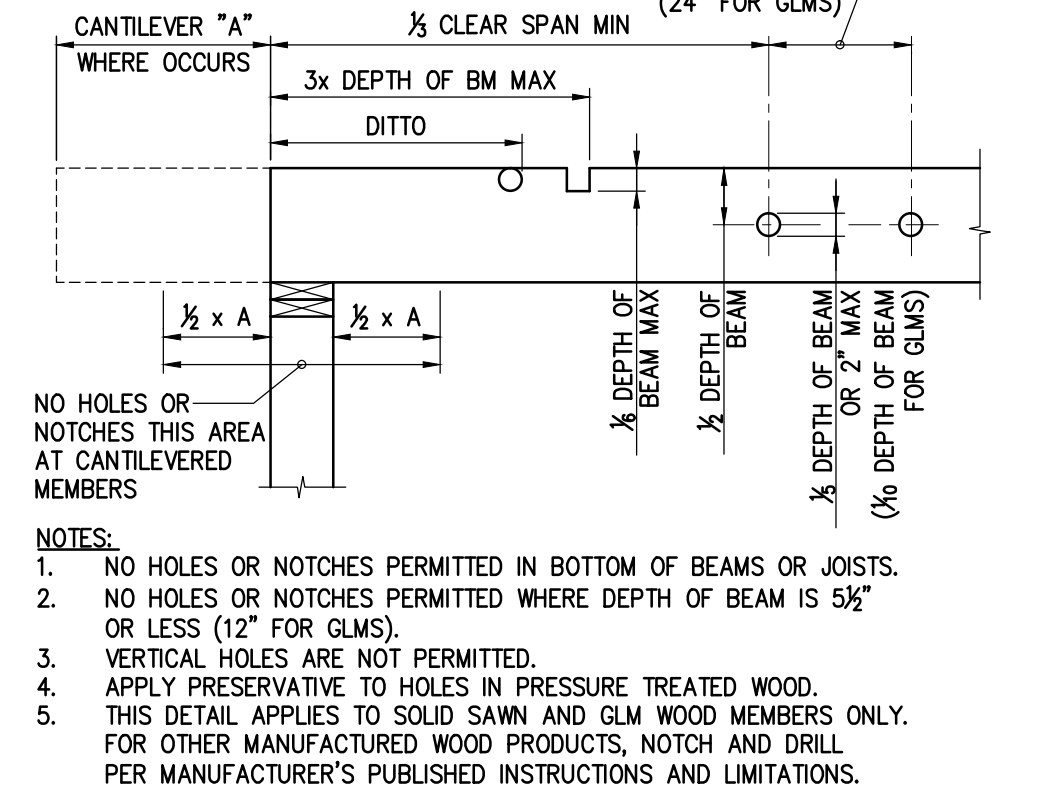


**7 PIPE PENETRATION AT STUD WALL TOP PLATES**  
NTS

NOTE: NOT ALL NAILS SHOWN FOR CLARITY



**1 HOLES IN STUDS**  
NTS



**2 HOLES AND NOTCHES IN BEAM AND JOISTS**  
NTS

- NOTES:
- NO HOLES OR NOTCHES PERMITTED IN BOTTOM OF BEAMS OR JOISTS.
  - NO HOLES OR NOTCHES PERMITTED WHERE DEPTH OF BEAM IS 5 1/2" OR LESS (12" FOR GLMS).
  - VERTICAL HOLES ARE NOT PERMITTED.
  - APPLY PRESERVATIVE TO HOLES IN PRESURE TREATED WOOD.
  - THIS DETAIL APPLIES TO SOLID SAWN AND GLM WOOD MEMBERS ONLY. FOR OTHER MANUFACTURED WOOD PRODUCTS, NOTCH AND DRILL PER MANUFACTURER'S PUBLISHED INSTRUCTIONS AND LIMITATIONS.

ALLOWABLE HOLE SCHEDULE

BEAM DEPTH	MAXIMUM ROUND HOLE SIZE
4 3/8"	1"
5 1/2"	1 3/4"
7 1/4" & DEEPER	2"

**3 HOLES IN LSL, LVL, & PSL BMS**  
NTS

- NOTES:
- ALL EXTERIOR WALLS SHALL BE SHEATHED WITH SHEAR WALL MARK UNON. DO NOT LOCATE PLYWOOD JOINTS ON THE SAME STUD WHERE PLYWOOD OCCURS ON BOTH SIDES, UNLESS 3x STUDS ARE USED.
  - PROVIDE 2 ROWS OF PLYWOOD EDGE NAILING (EN) FULL HEIGHT OF ALL POSTS WITH HOLD-DOWNS.
  - PLYWOOD AT SHEAR WALLS SHALL EXTEND FULL LENGTH AND HEIGHT OF WALL. USE 3x SILL PLATES AT ALL SHEAR WALLS AND EXTERIOR WALLS.
  - ANCHOR BOLTS SHALL HAVE 7" MINIMUM EMBEDMENT. EMBEDDED END SHALL HAVE 6 DIAMETER BEND WITH 2 DIAMETER EXTENSION PAST CENTER OF BEND. SOLE PLATE NAILING SHALL BE STAGGERED.
  - PROVIDE SIMPSON BPS PLATE WASHER UNDER NUT OF ANCHOR BOLTS.
  - NAILS PENETRATING PRESSURE-PRESERVATIVE TREATED WOOD SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153, CLASS D.
  - ANCHOR BOLTS SHALL BE LOCATED A MINIMUM OF 1 1/2" FROM EDGE OF THE CONCRETE PERPENDICULAR TO THE LENGTH OF THE WOOD SILL PLATE.
  - ANCHOR BOLTS SHALL BE LOCATED A MINIMUM OF 9 1/2" FROM EDGE OF THE CONCRETE PARALLEL TO THE LENGTH OF THE WOOD SILL PLATE.
  - WHERE NOTED ON PLANS BY (C2), AB SPACING DIFFERS FROM THAT SHOWN IN SW SCHEDULE. SEE 2/S1.05.
  - CLIPS FOR C2 MAY BE INSTALLED AT BOTH SIDES AT TWICE THE SPACING.

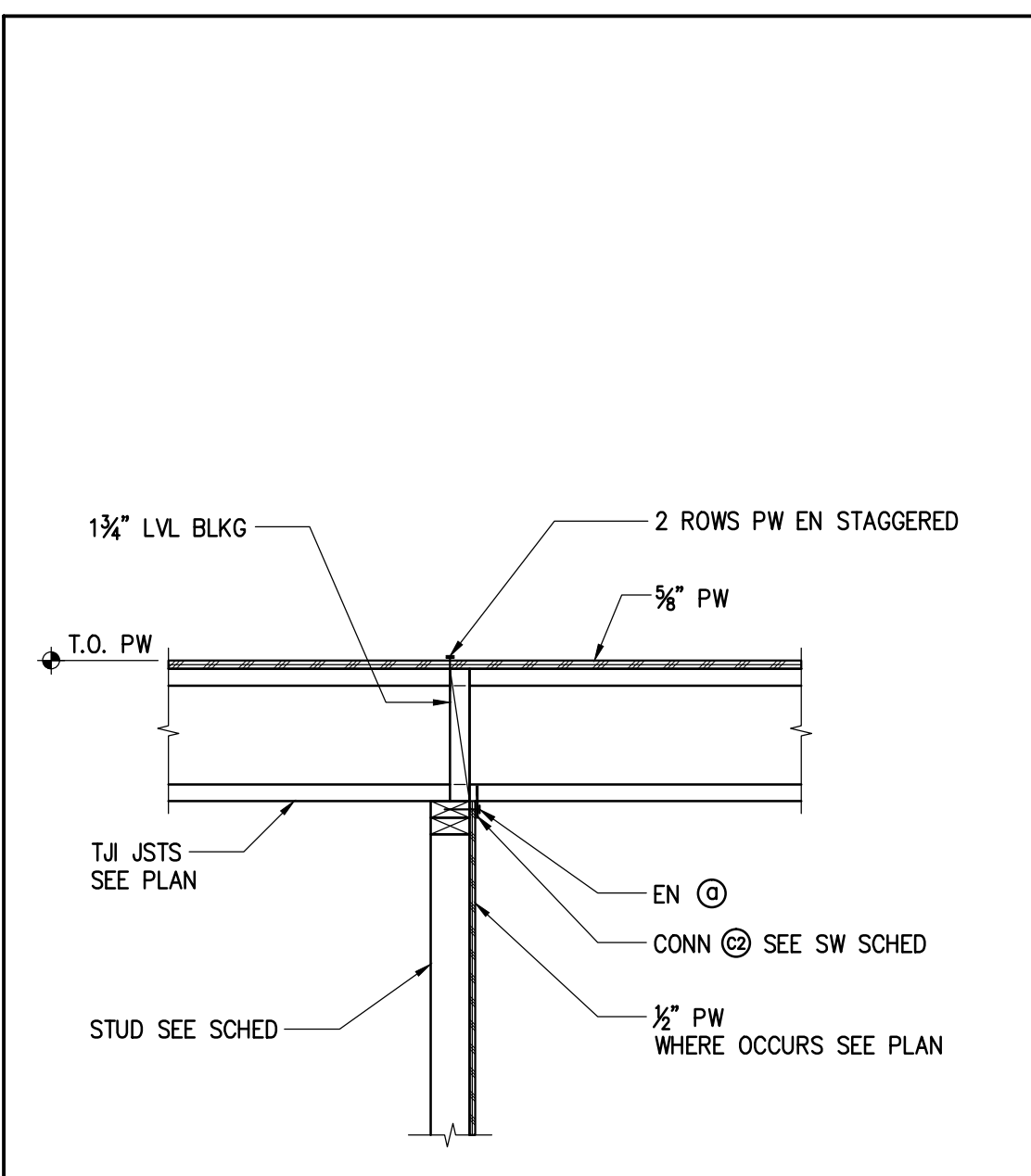
CONNECTIONS NOTED ON DETAILS

MARK	1/2" PW STRUCT 1 SHEATHING	NAILING						MAX ALLOWABLE SHEAR CAPACITY (plf)	REMARKS		
		EDGES		FIELD	2x SOLE PLATE CONNECTION	TOP PLATE CONNECTION	TOP PLATE CONNECTION			JOIST OR BLKG	3x PTDF SILL PL W/ ANCHOR BOLT SIZE & SPACING
		EDGES	FIELD								
◇	1 SIDE	10d @ 6" OC	10d @ 12" OC	16d @ 6" OC STAGGERED	A35 @ 20" OC	LTP4 @ 20" OC	3x SS OR 1 1/2" LSL	3/8" @ 48" OC	340		
◇	1 SIDE	10d @ 4" OC	10d @ 12" OC	16d @ 4" OC STAGGERED	A35 @ 12" OC	LTP4 @ 12" OC	3x SS OR 1 1/2" LSL	3/8" @ 32" OC	510	USE 3x STUDS @ PLYWOOD PANEL JTS	
◇	2 SIDES	10d @ 4" OC	10d @ 12" OC	1/2" x 6" SDS SCREWS @ 4" OC	A35 @ 6" OC	LTP4 @ 6" OC	3x SS OR 1 1/2" LSL	3/8" @ 16" OC	1020	USE 3x STUDS @ PLYWOOD PANEL JTS	
◇	1 SIDE	10d @ 4" OC	10d @ 12" OC	16d @ 3" OC STAGGERED	A35 @ 8" OC	LTP4 @ 8" OC	3x SS OR 1 1/2" LSL	3/8" @ 16" OC	665	USE 3x STUDS @ PLYWOOD PANEL JTS	
◇	2 SIDES	10d @ 3" OC	10d @ 12" OC	1/2" x 6" SDS SCREWS @ 4" OC	A23 @ 4" OC	LTP4 @ 4" OC	3x SS OR 1 1/2" LSL	3/8" @ 8" OC	1330	USE 3x STUDS @ PLYWOOD PANEL JTS	
◇	1 SIDE	10d @ 2" OC	10d @ 12" OC	20d @ 3" OC STAGGERED	A35 @ 8" OC	LTP4 @ 8" OC	3x SS OR 1 1/2" LSL	3/8" @ 16" OC	870	USE 3x STUDS @ PLYWOOD PANEL JTS	
◇	2 SIDES	10d @ 2" OC	10d @ 12" OC	1/2" x 6" SDS SCREWS @ 3" OC	A23 @ 3" OC	LTP4 @ 4" OC	3x SS OR 1 1/2" LSL	3/8" @ 8" OC	1740	USE 3x STUDS @ PLYWOOD PANEL JTS	

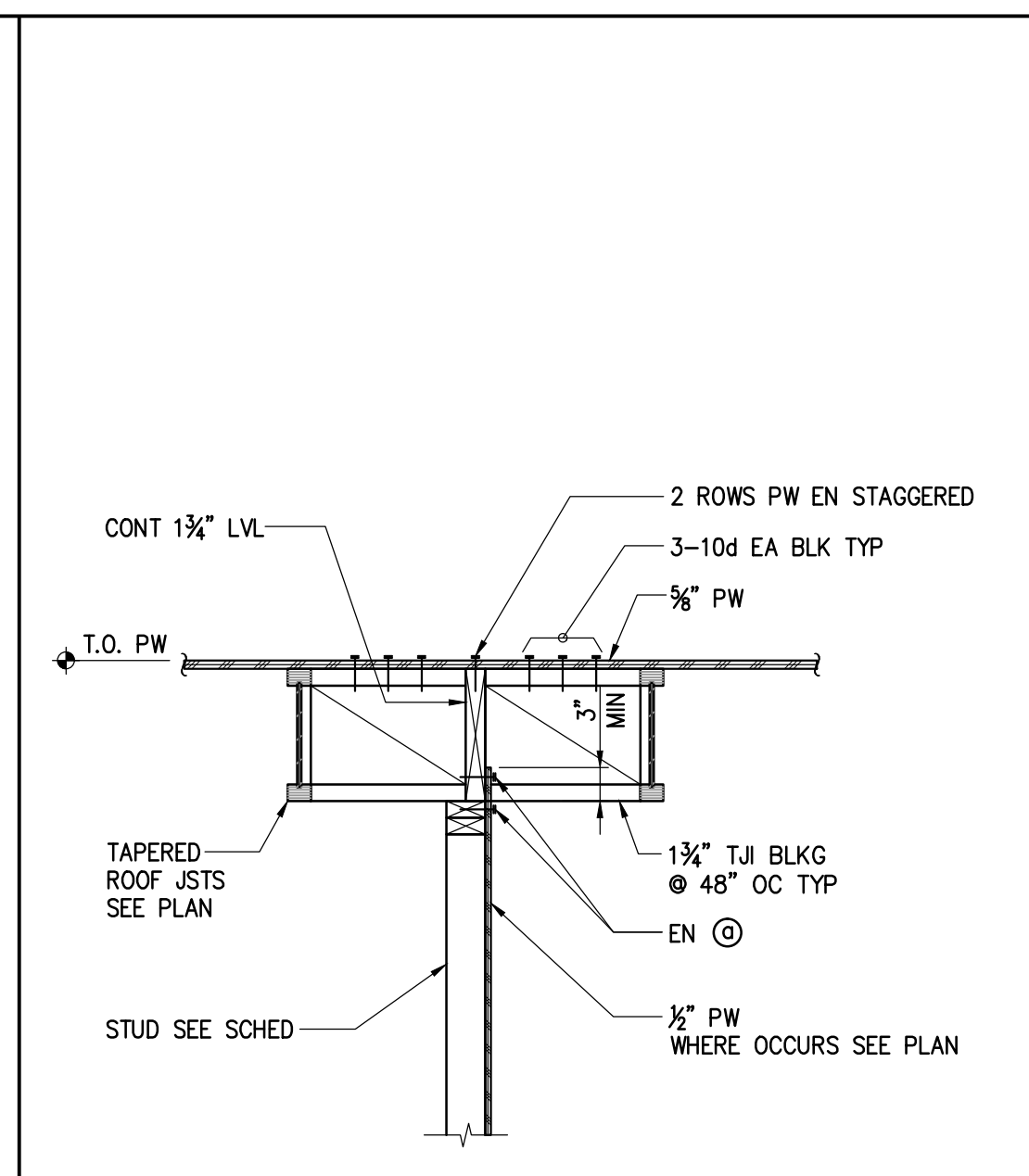
**12 PLYWOOD SHEAR WALL SCHEDULE**  
NTS

revisions

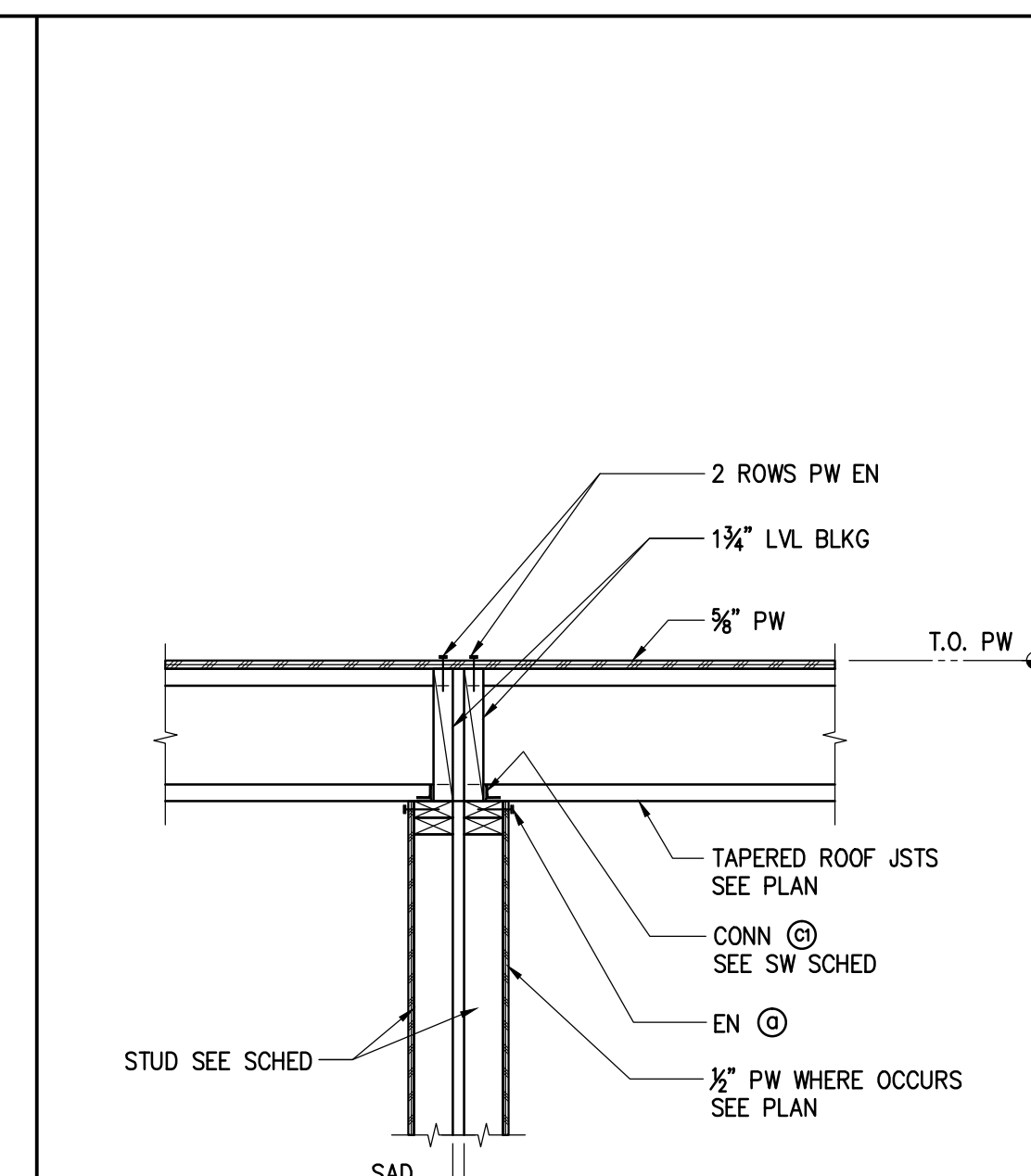
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BID SET	9/24/2015
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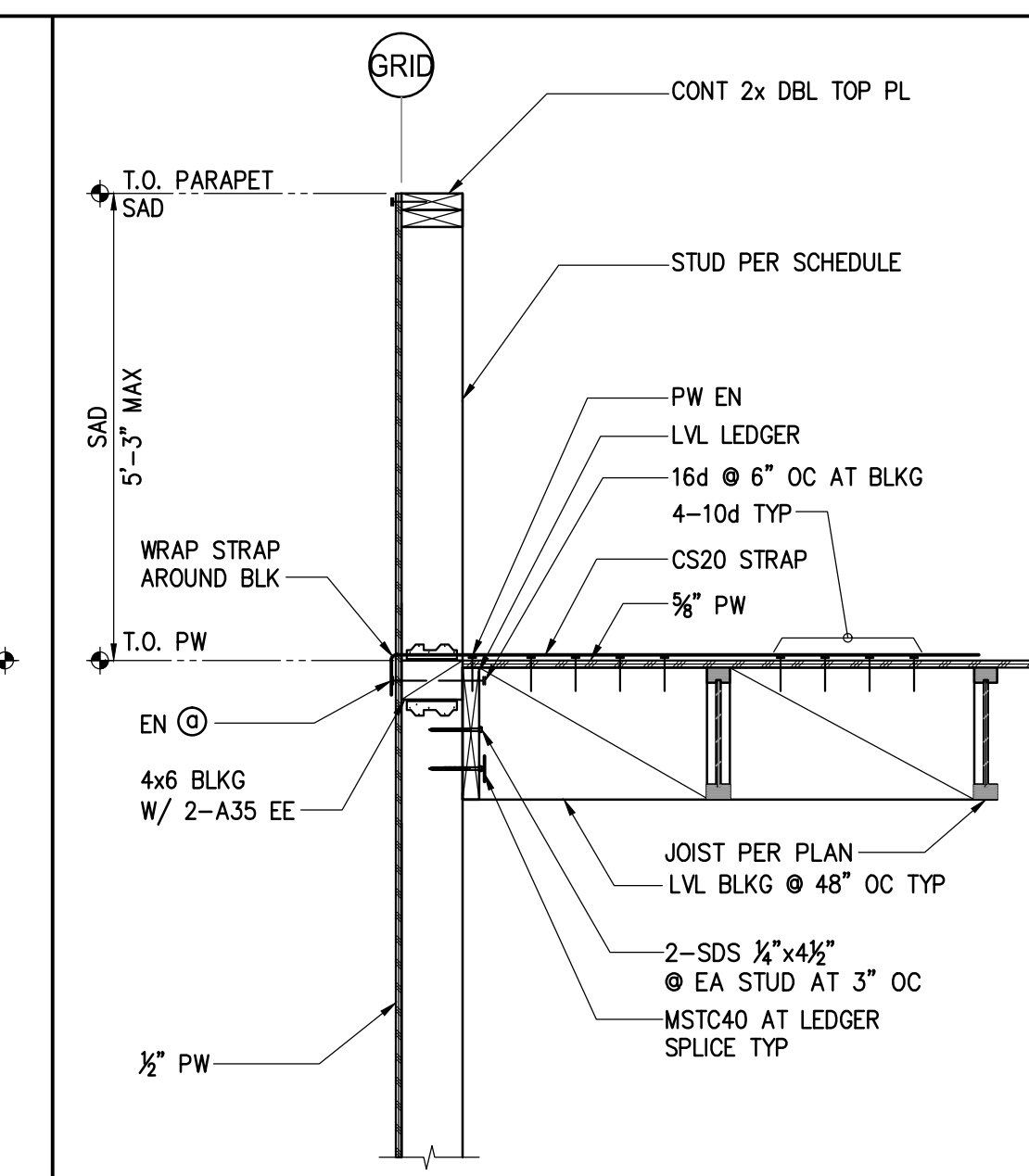
**A SECTION AT ROOF**



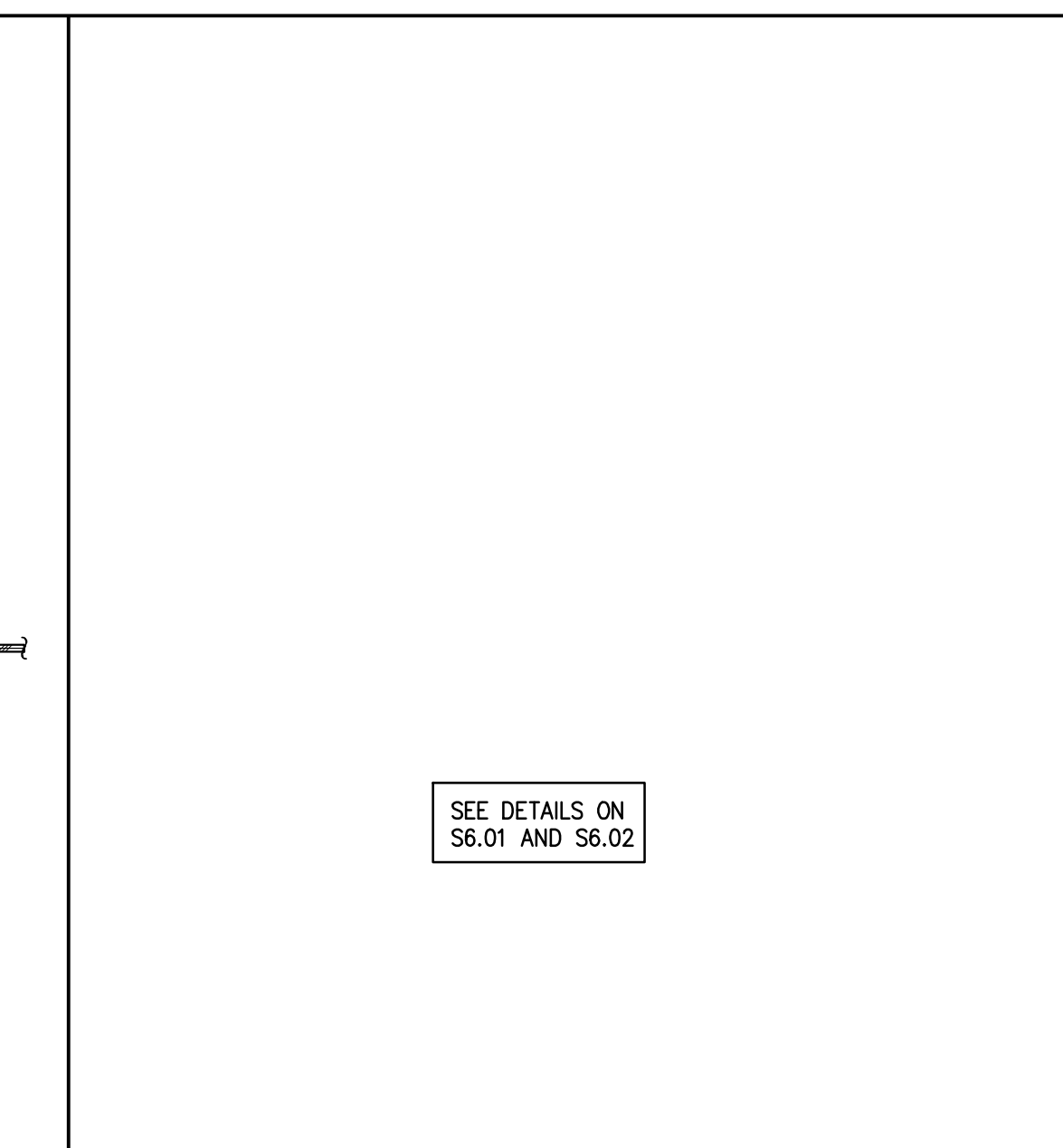
**A SECTION AT ROOF**



**A SECTION AT ROOF**

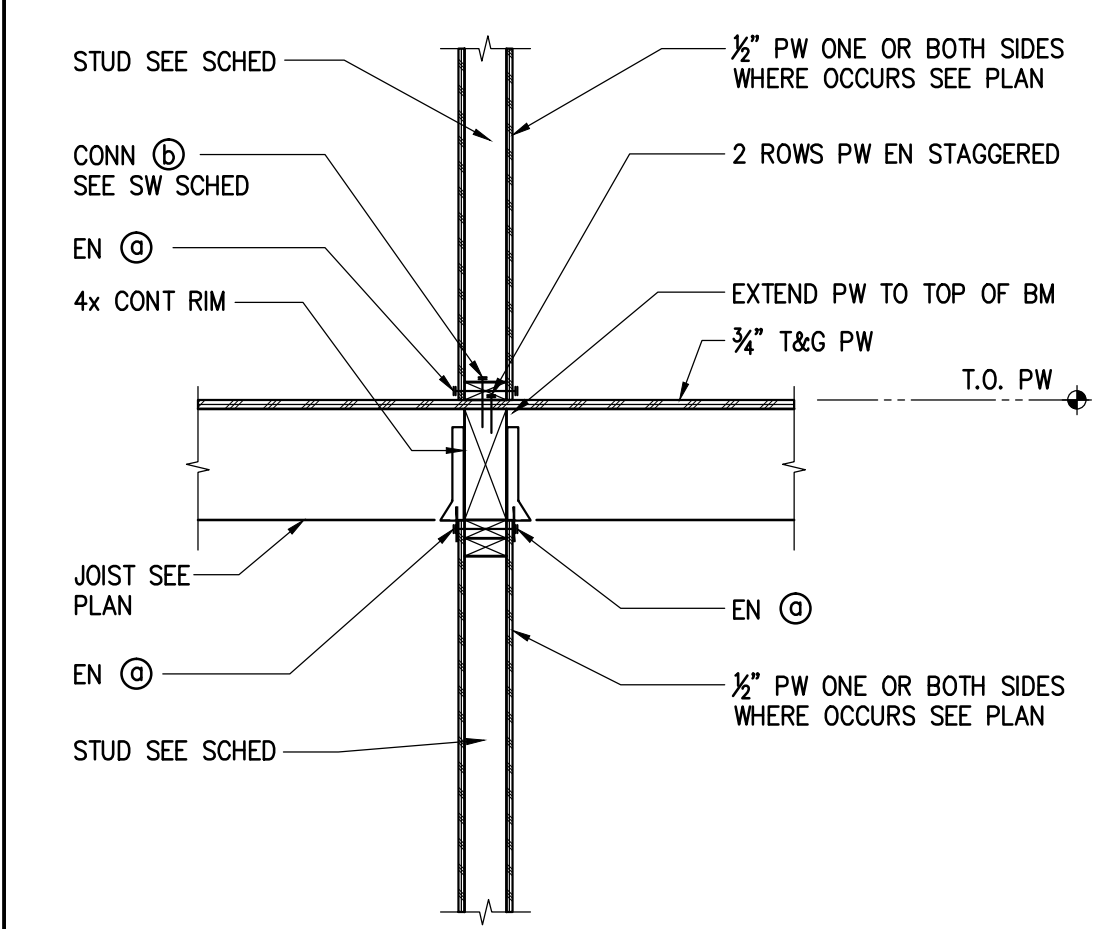


**A SECTION AT ROOF**

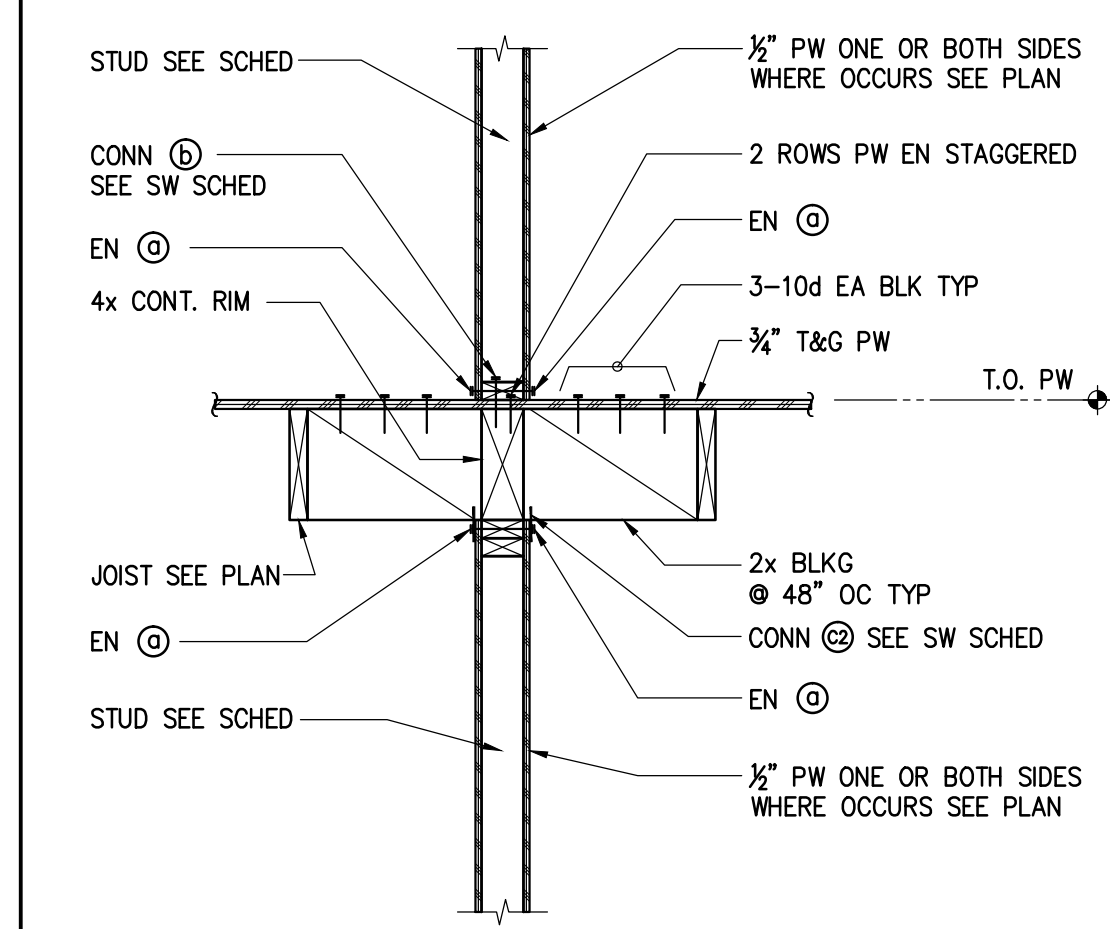


**A SECTION AT ROOF**

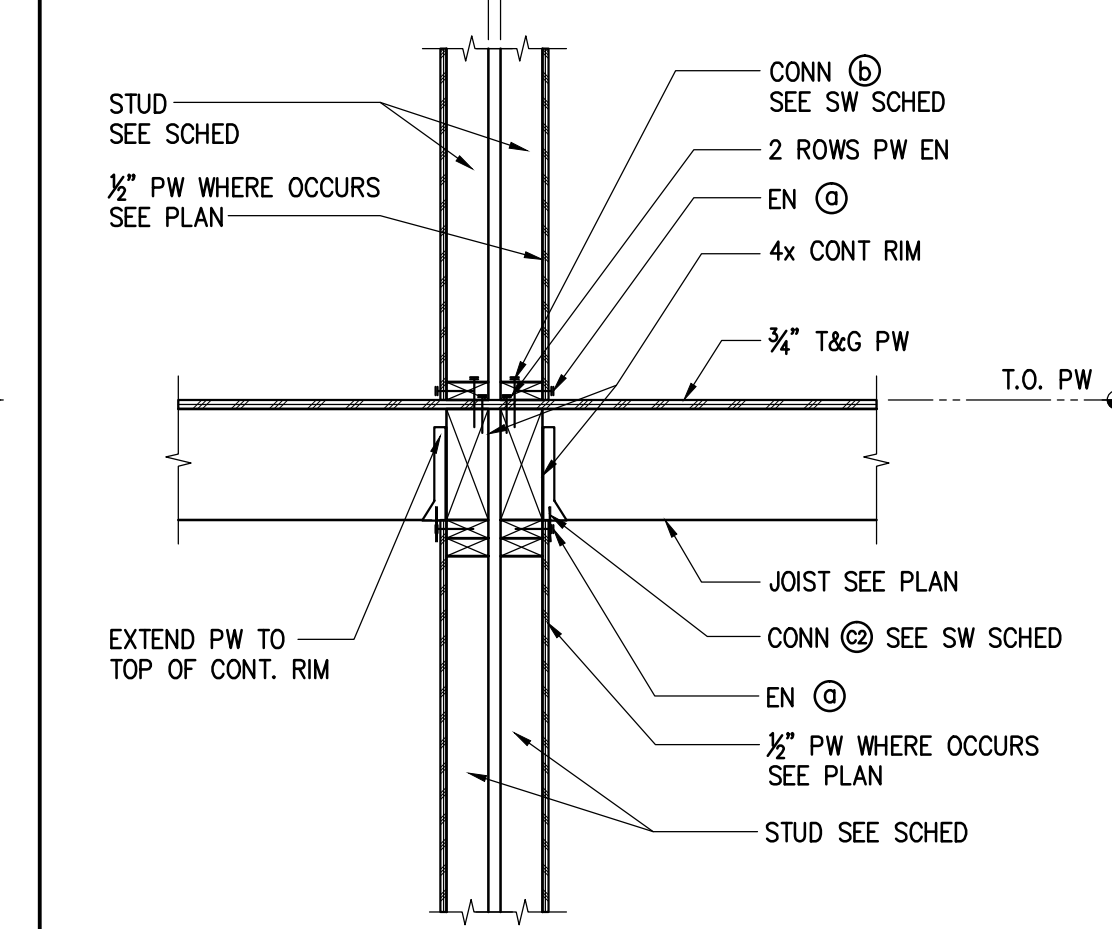
SEE DETAILS ON S6.01 AND S6.02



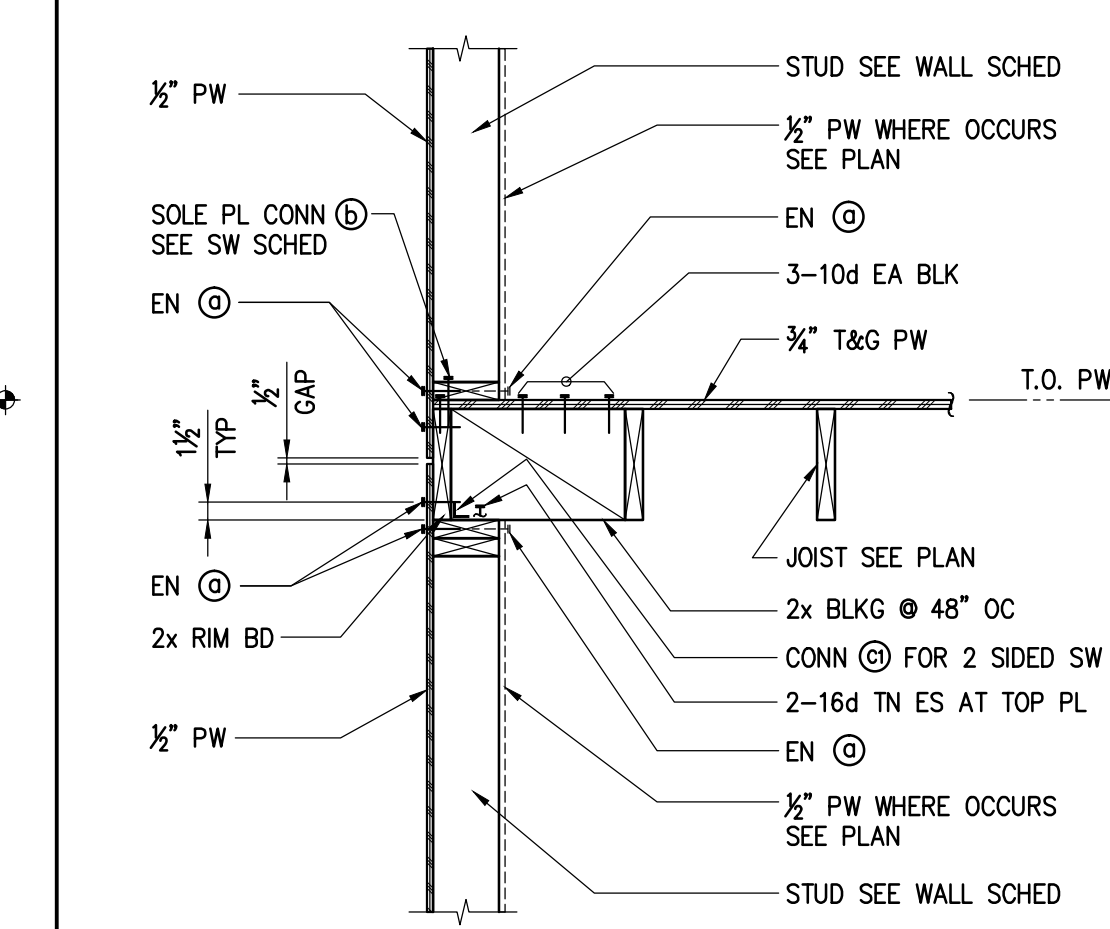
**B SECTION AT FLOOR**



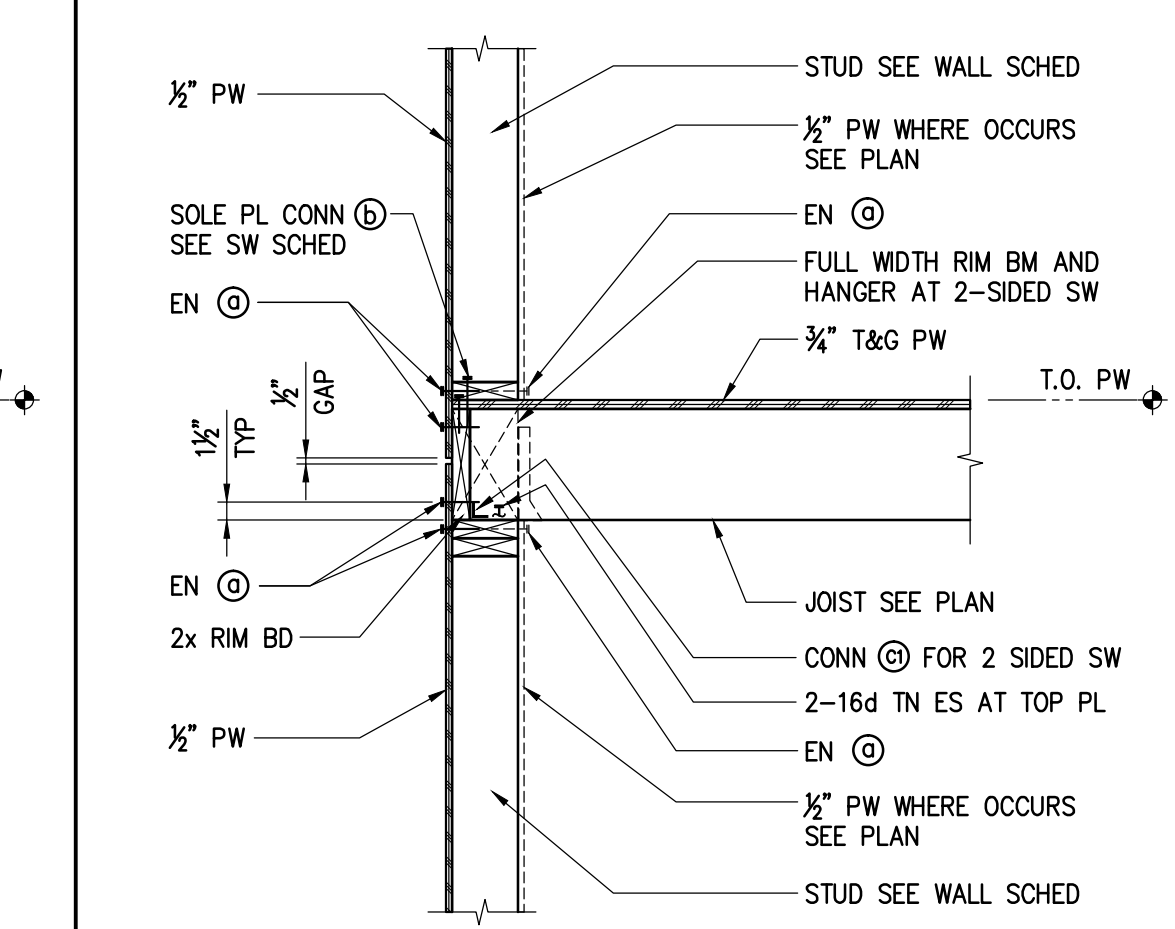
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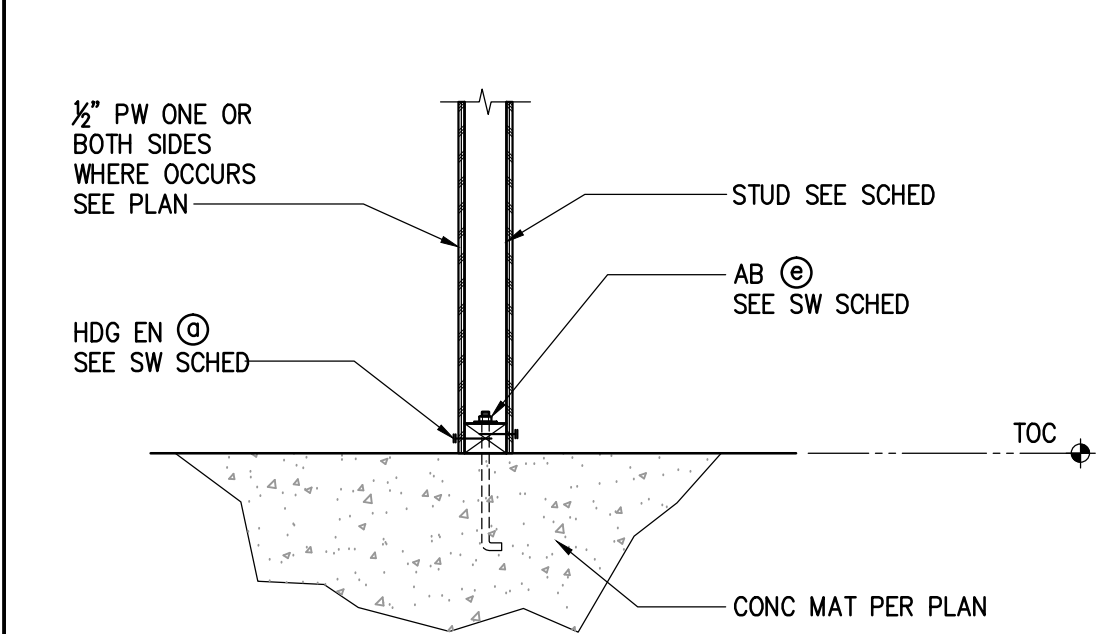
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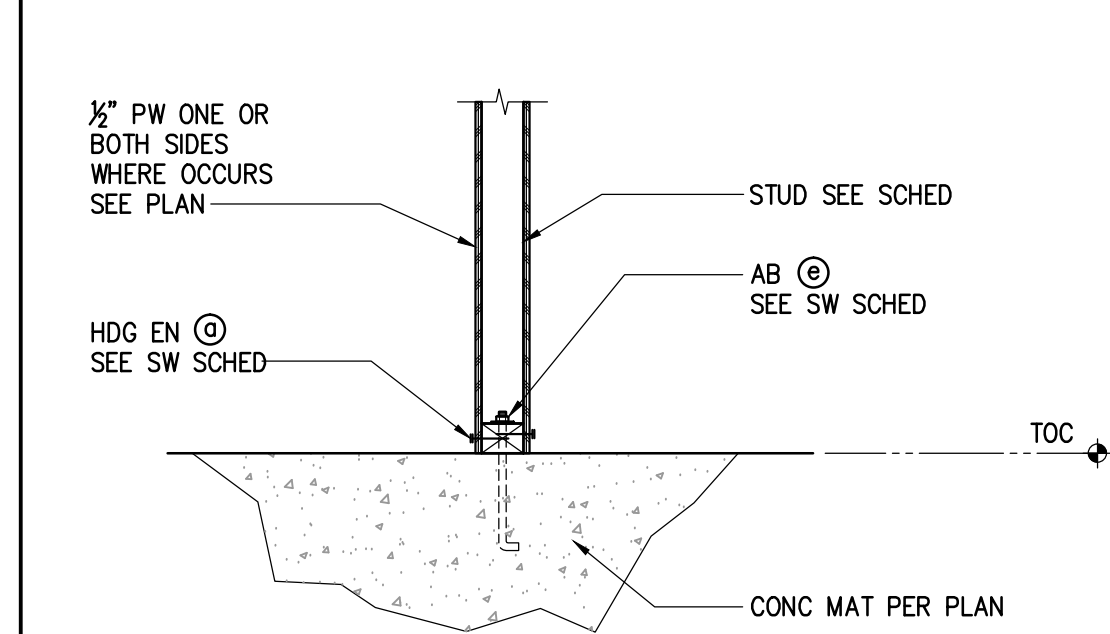
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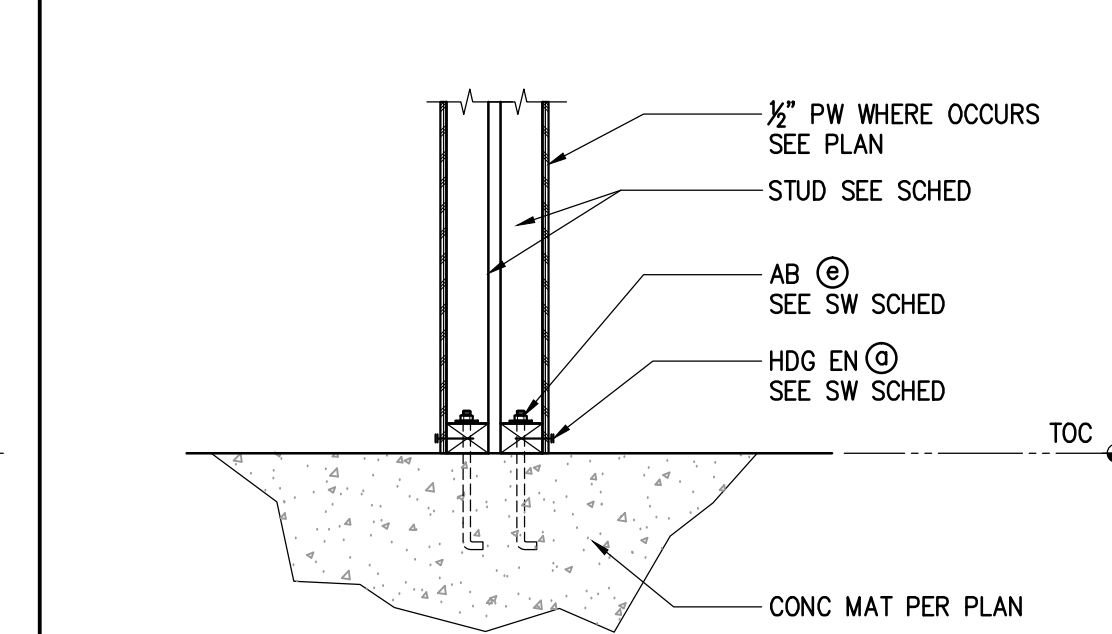
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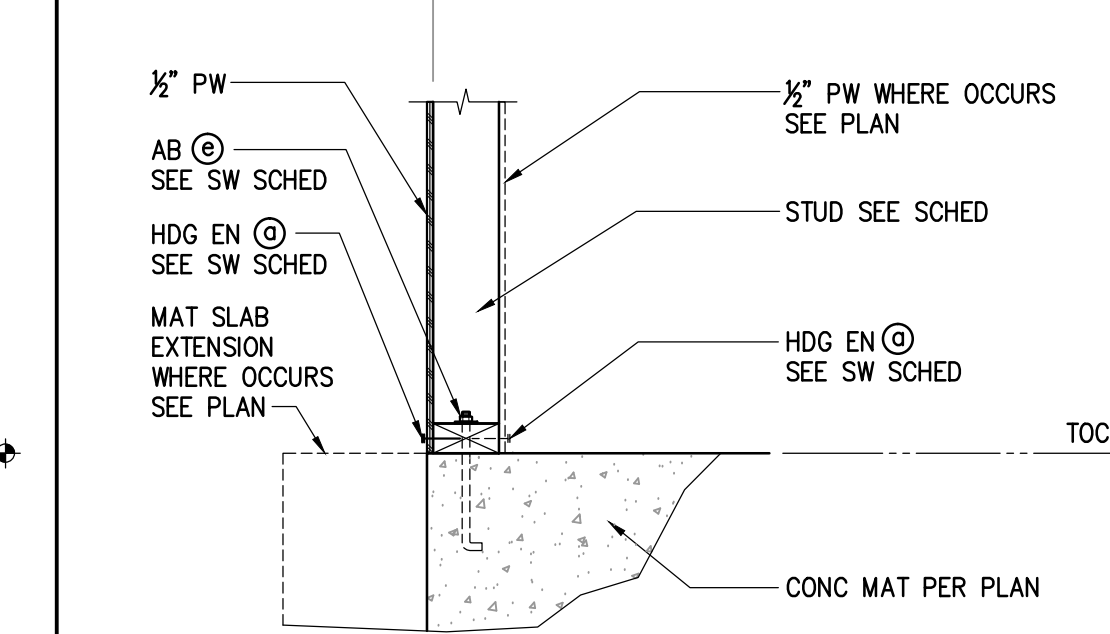
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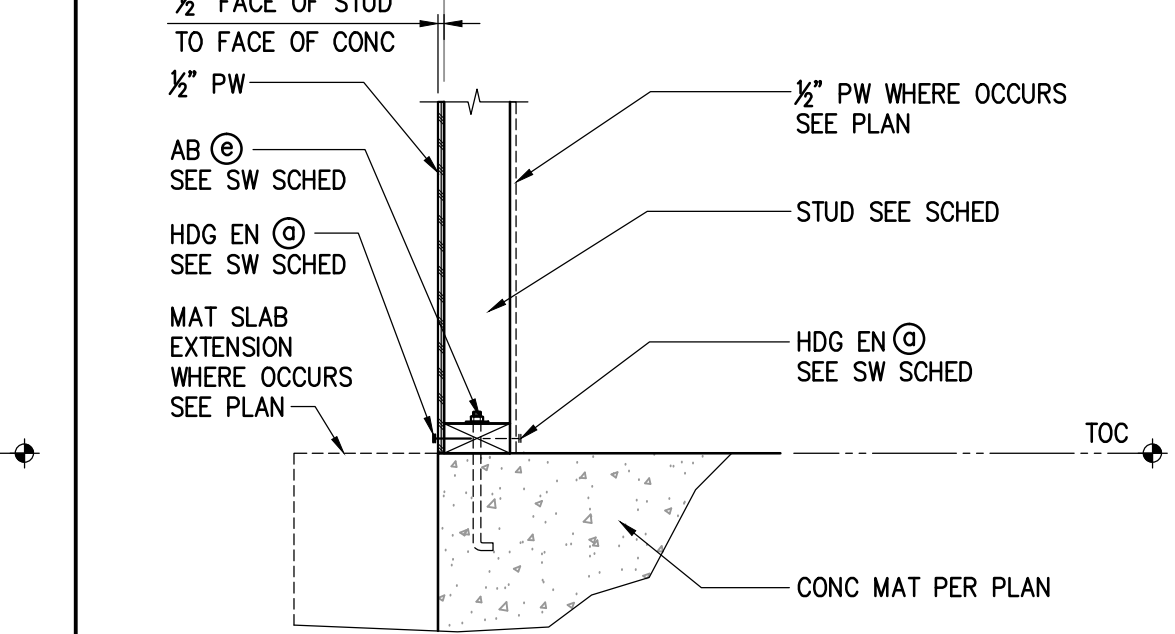
**C SECTION AT CONC SLAB**



**C SECTION AT CONC SLAB**



**C SECTION AT CONC SLAB**



**C SECTION AT CONC SLAB**

**20** TYP INTERIOR SHEAR/BEARING WALL SECTIONS  
S1.03 NTS

**16** TYP INTERIOR SHEAR/BEARING WALL SECTIONS  
S1.03 NTS

**12** TYP INTERIOR SHEAR/BEARING DOUBLE WALL SECTIONS  
S1.03 NTS

**8** TYPICAL SECTIONS AT EXTERIOR WALL  
S1.03 NTS  
JOISTS PARALLEL TO WALL

**4** TYPICAL SECTIONS AT EXTERIOR WALL  
S1.03 NTS  
JOISTS PERPENDICULAR TO WALL

revisions number	date
PLAN CHECK	8/27/2015
BID SET	9/24/2015
PLAN CHECK	11/20/2015
RE-SUBMITTAL	

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OAKLAND, CA 94603

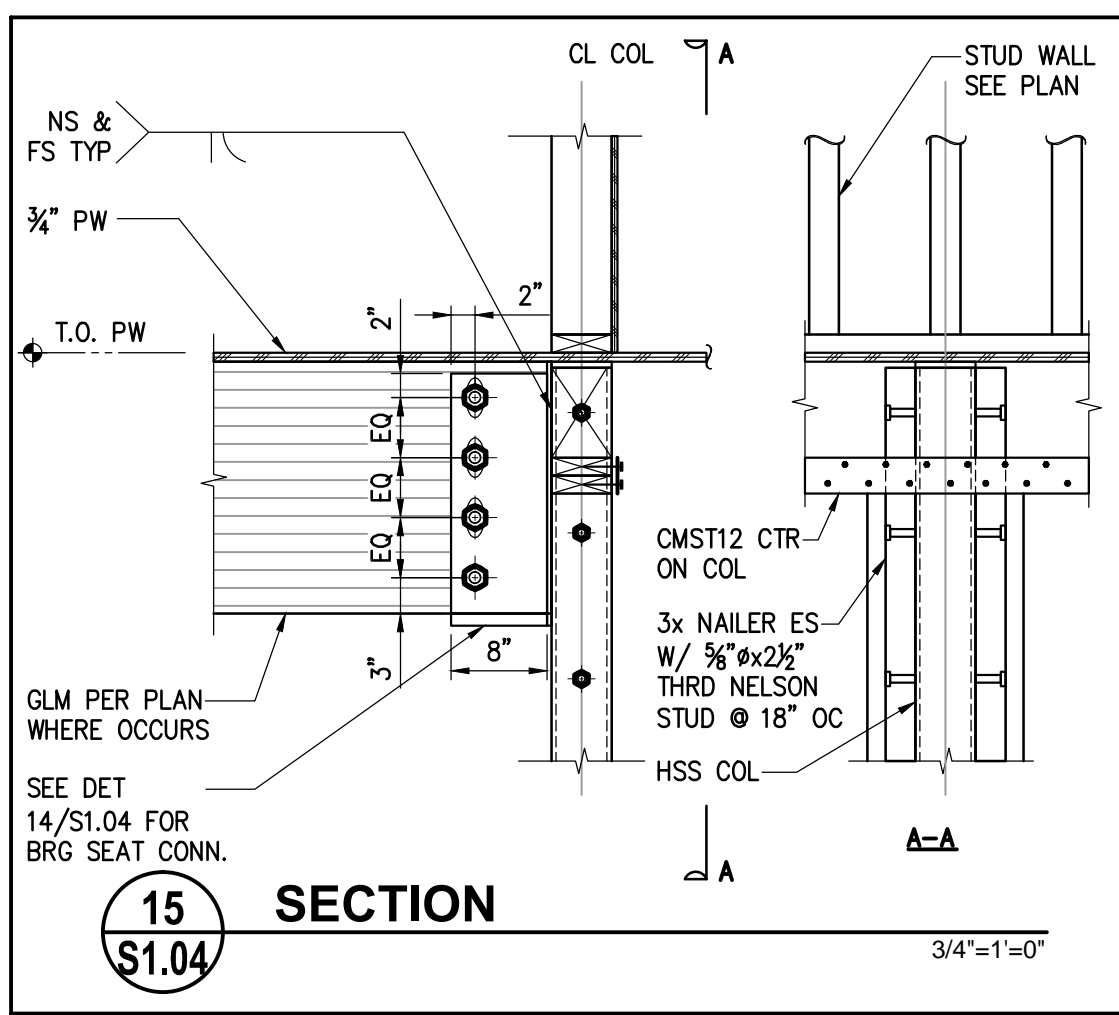
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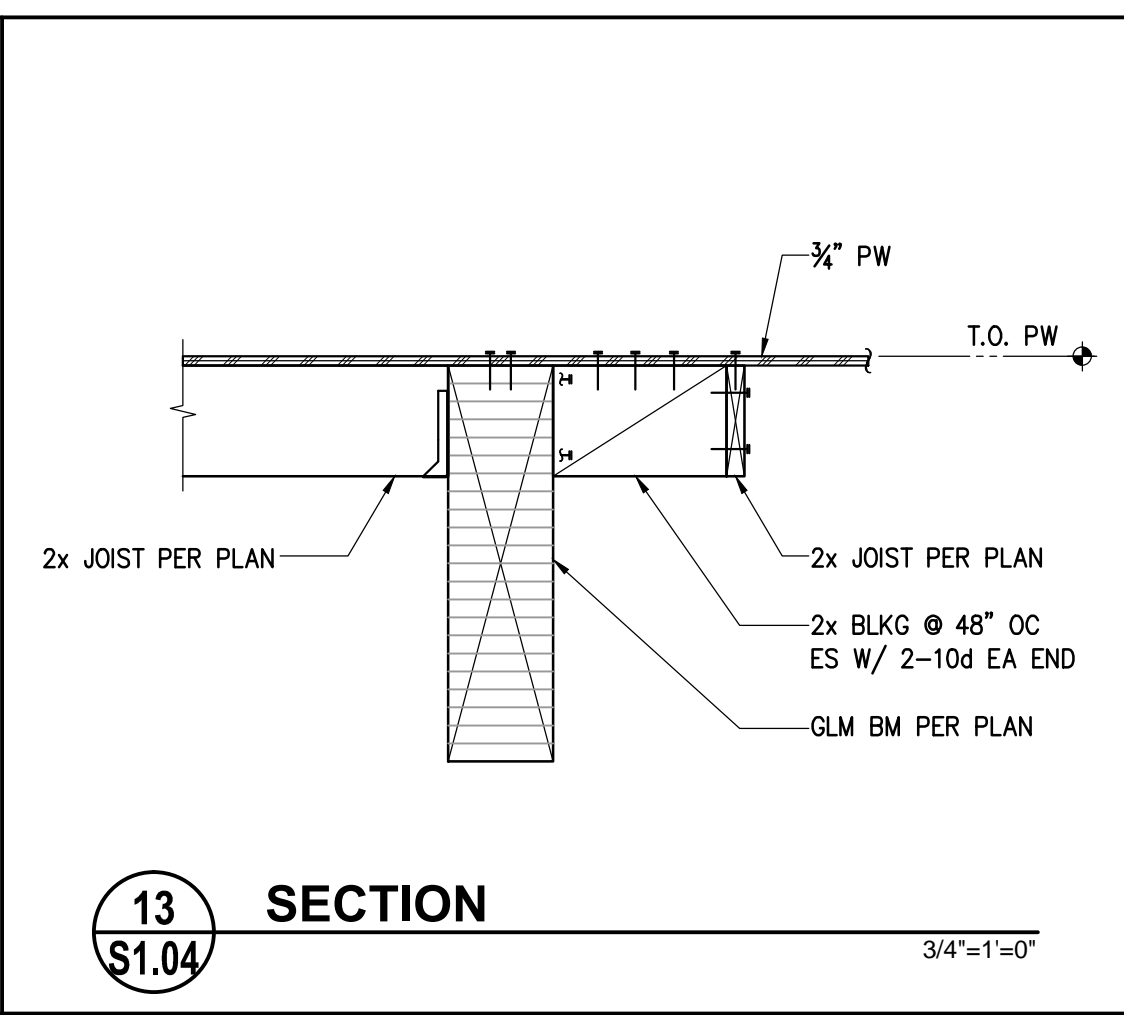
TYPICAL DETAILS-1

sheet number

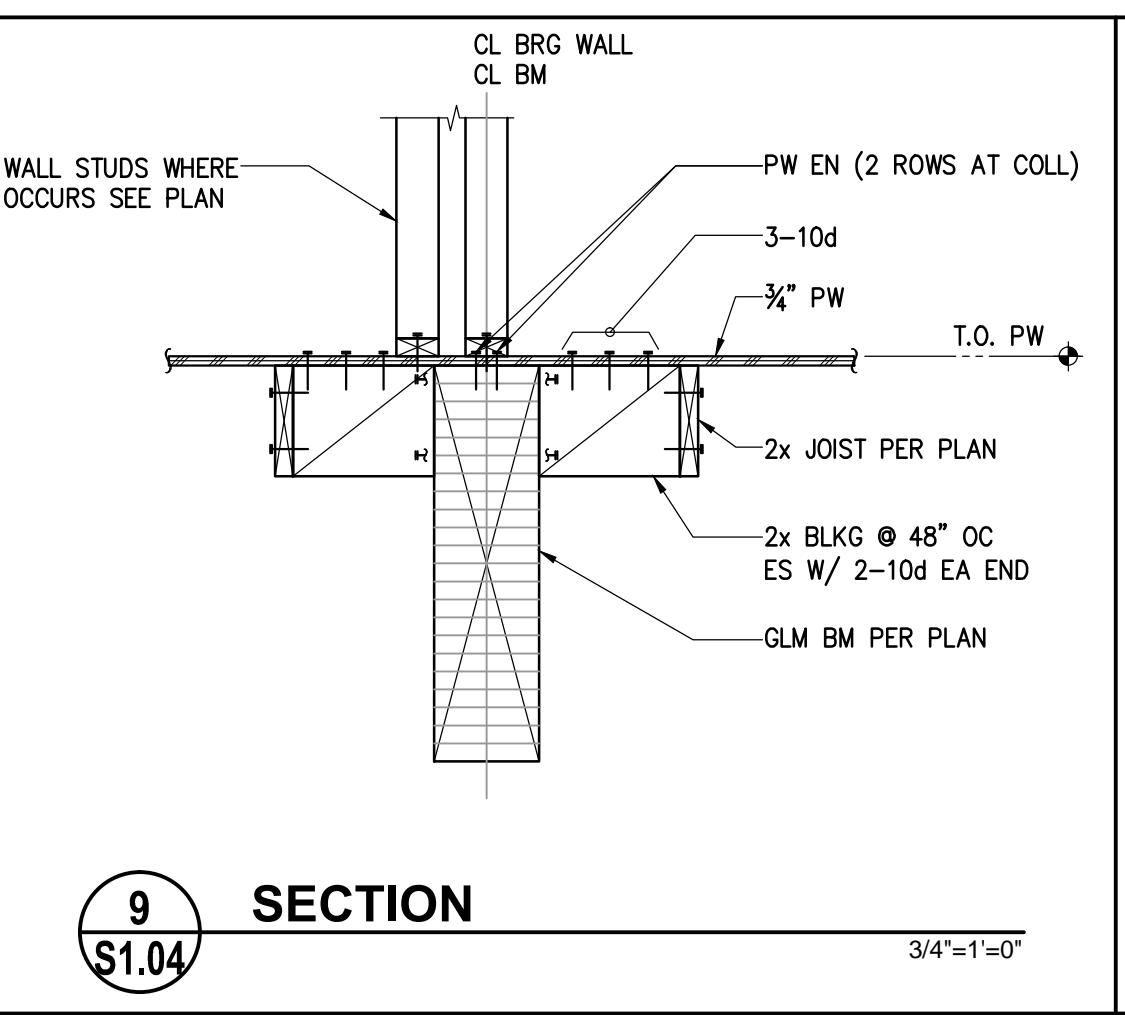
**S1.03**



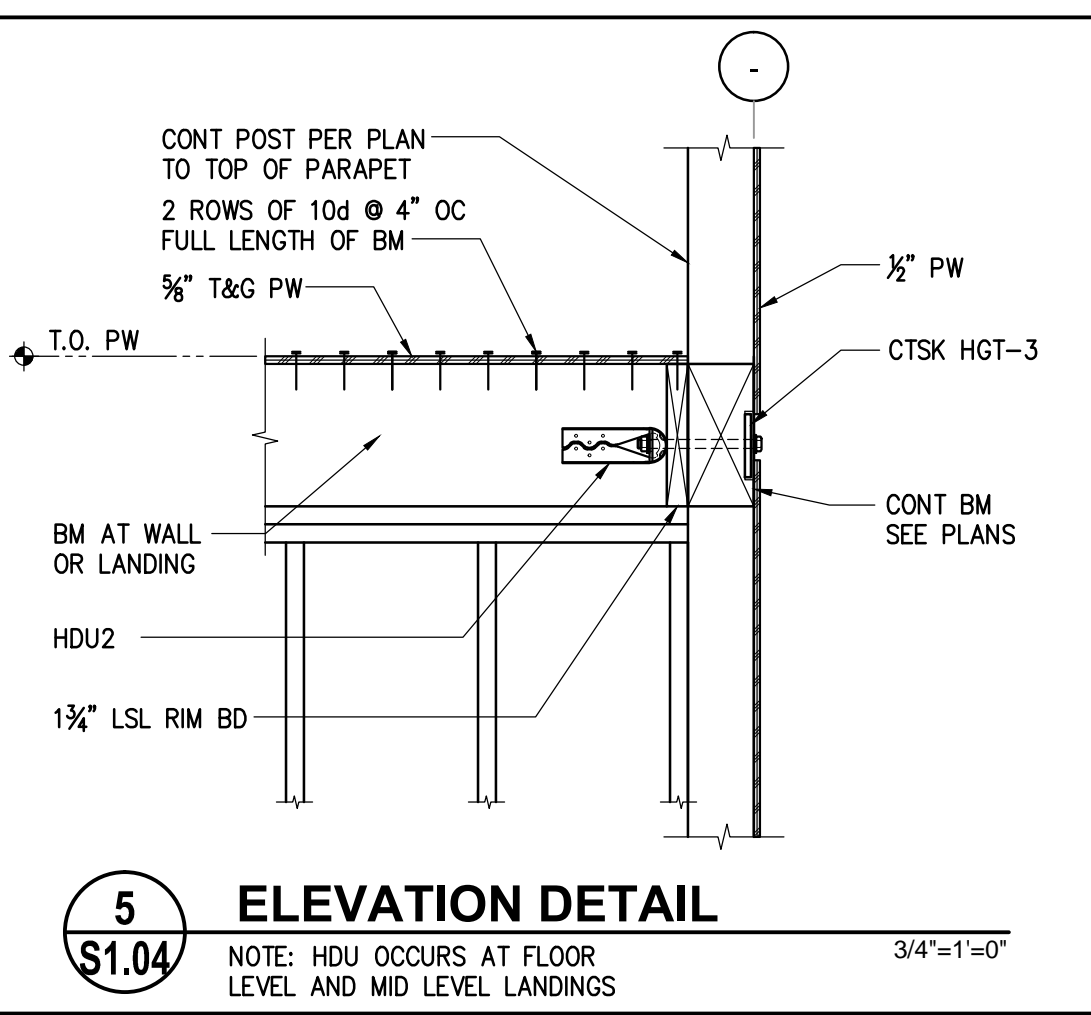
**15**  
**S1.04** SECTION  
3/4"=1'-0"



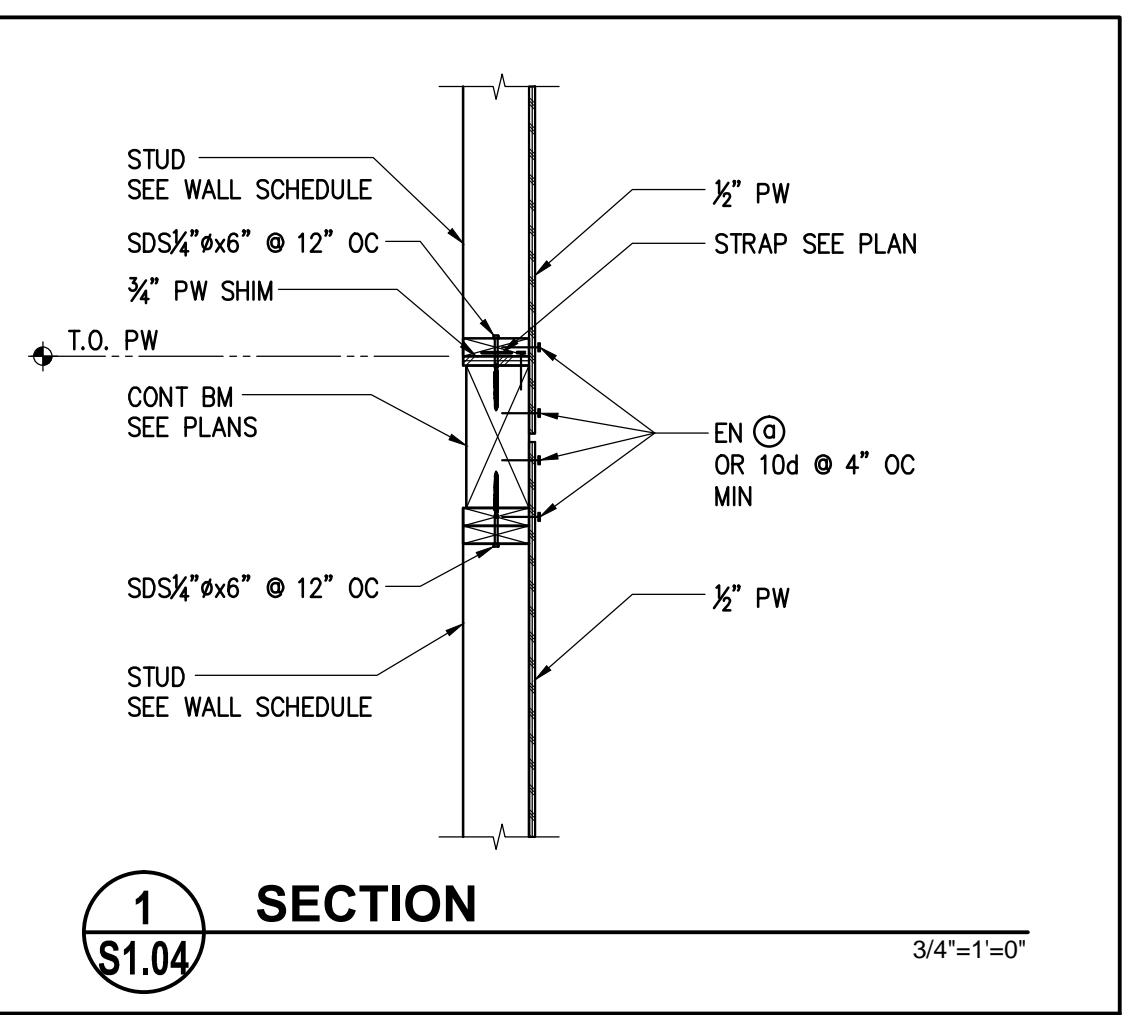
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**S1.04** SECTION  
3/4"=1'-0"



**9**  
**S1.04** SECTION  
3/4"=1'-0"



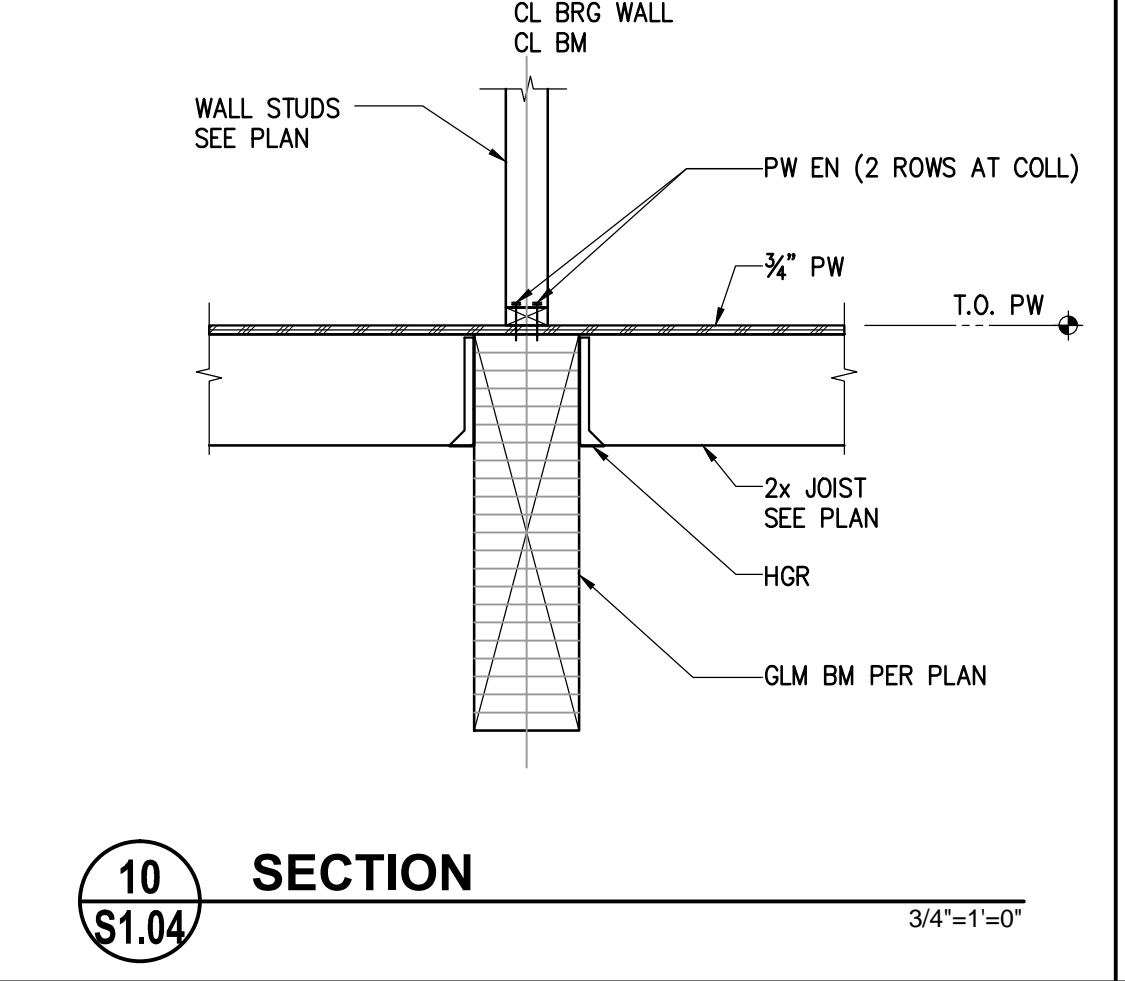
**5**  
**S1.04** ELEVATION DETAIL  
3/4"=1'-0"



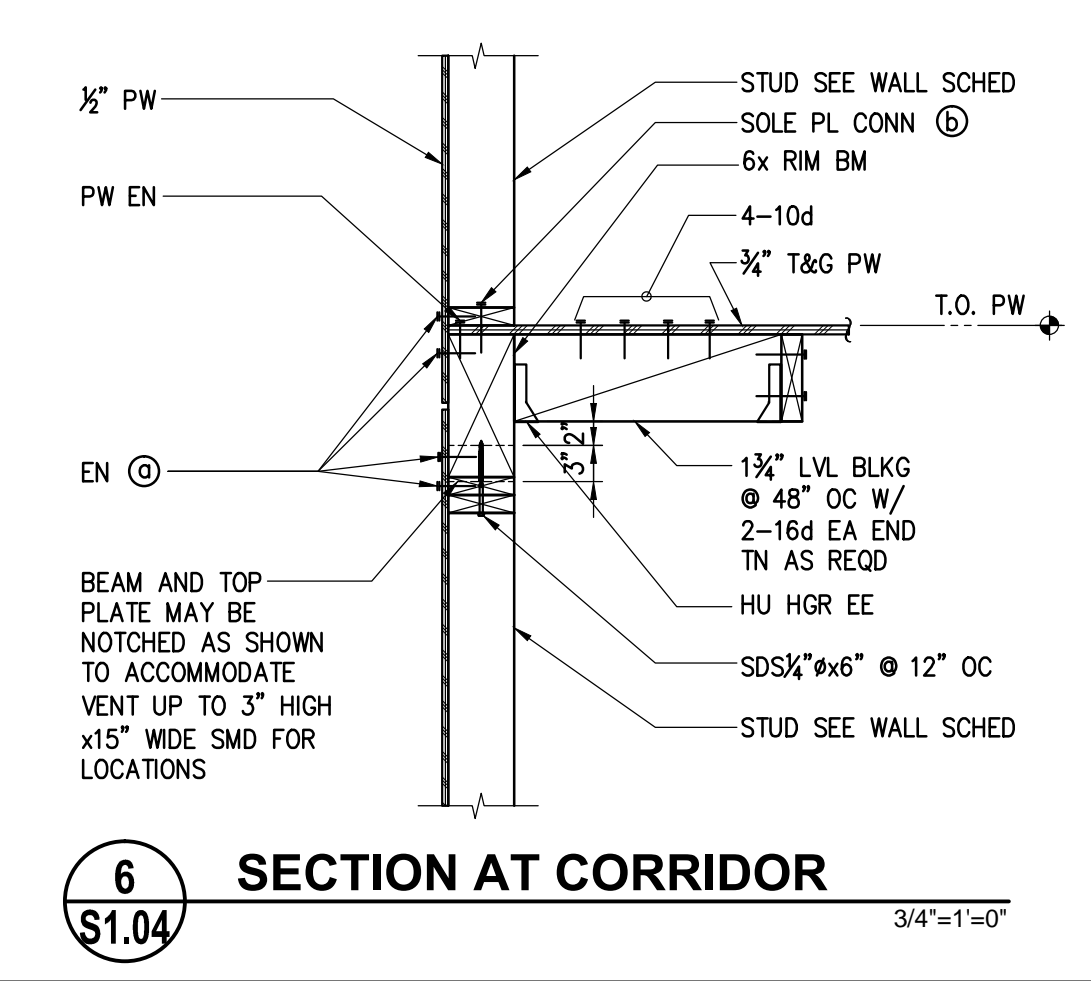
**1**  
**S1.04** SECTION  
3/4"=1'-0"



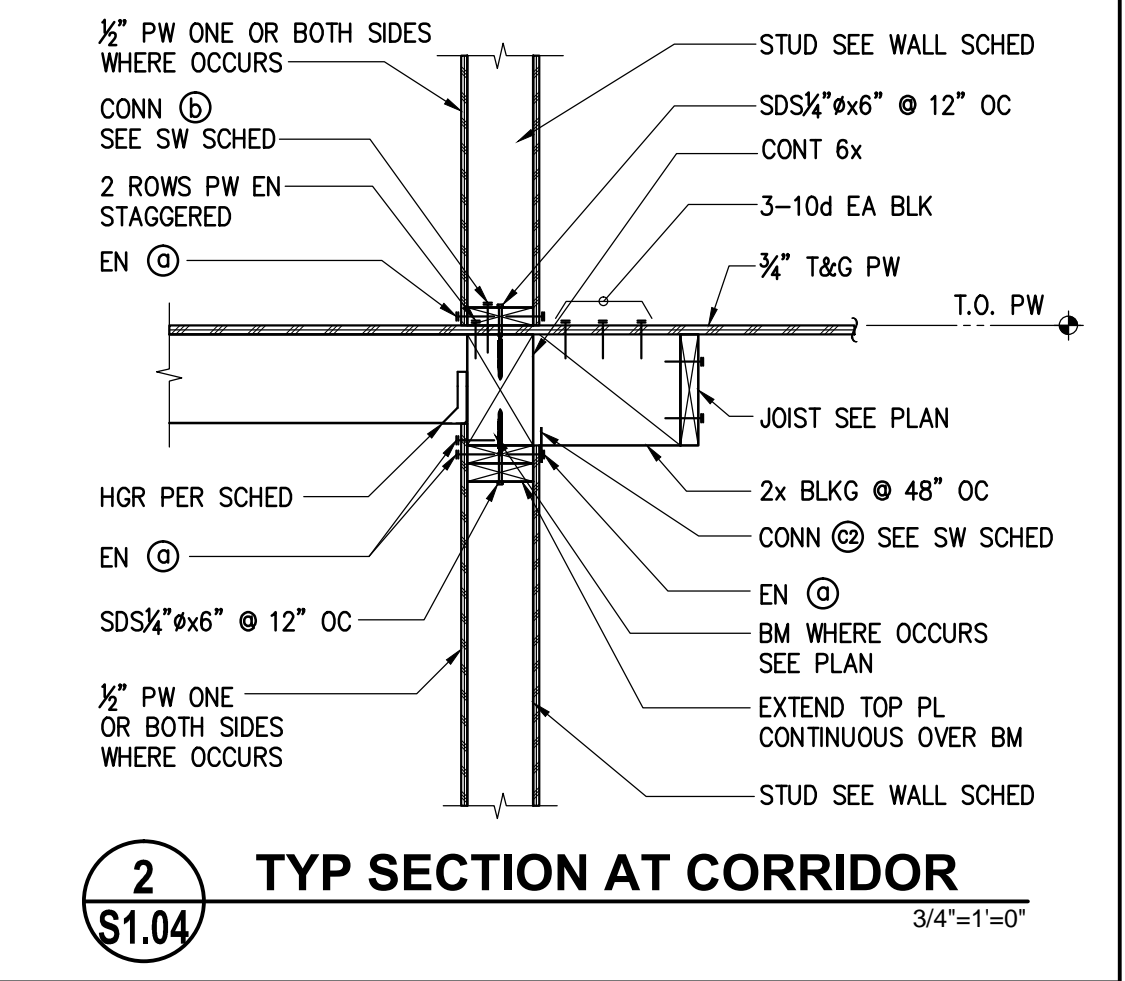
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**S1.04** SECTION  
3/4"=1'-0"



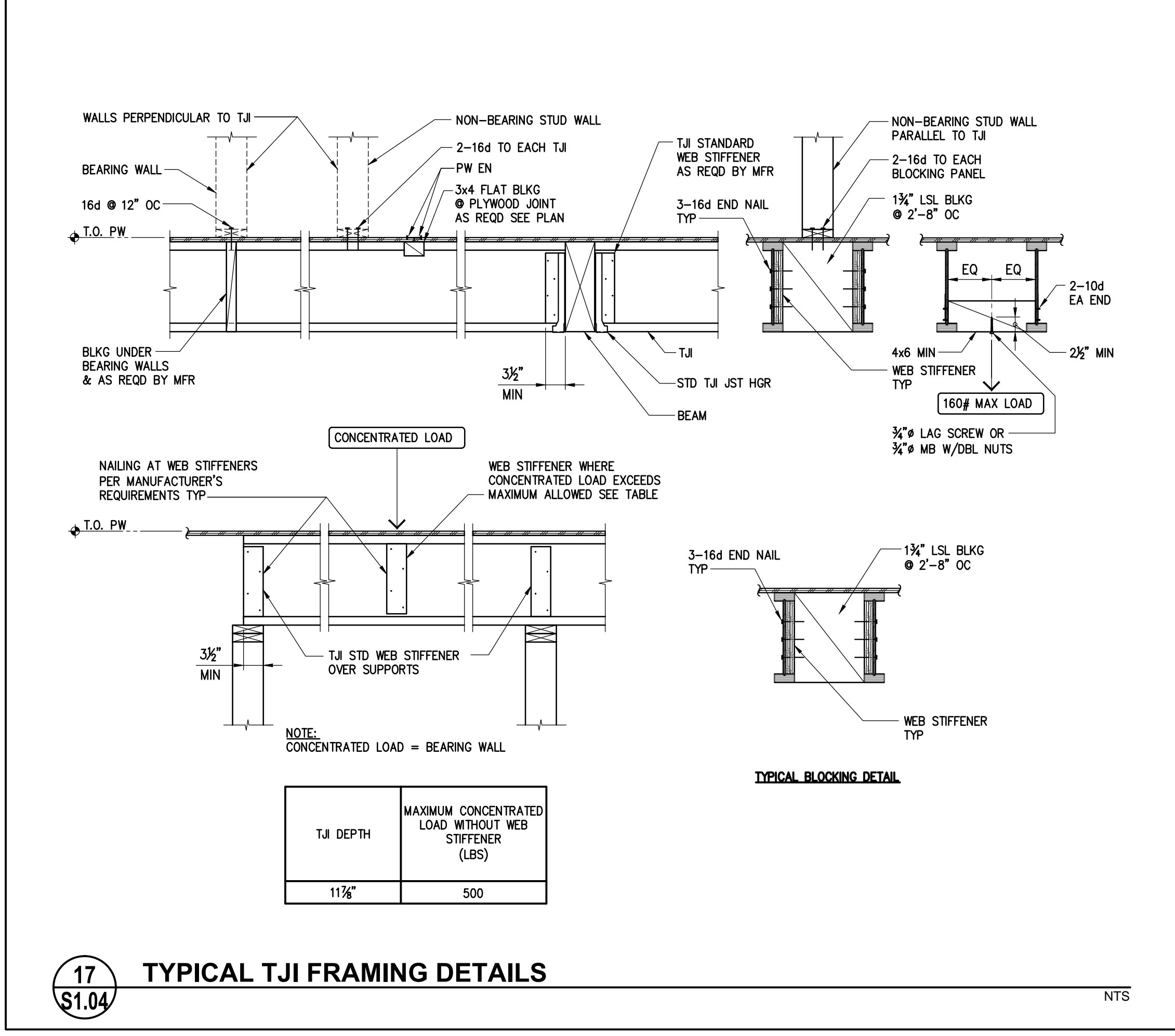
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**S1.04** SECTION  
3/4"=1'-0"



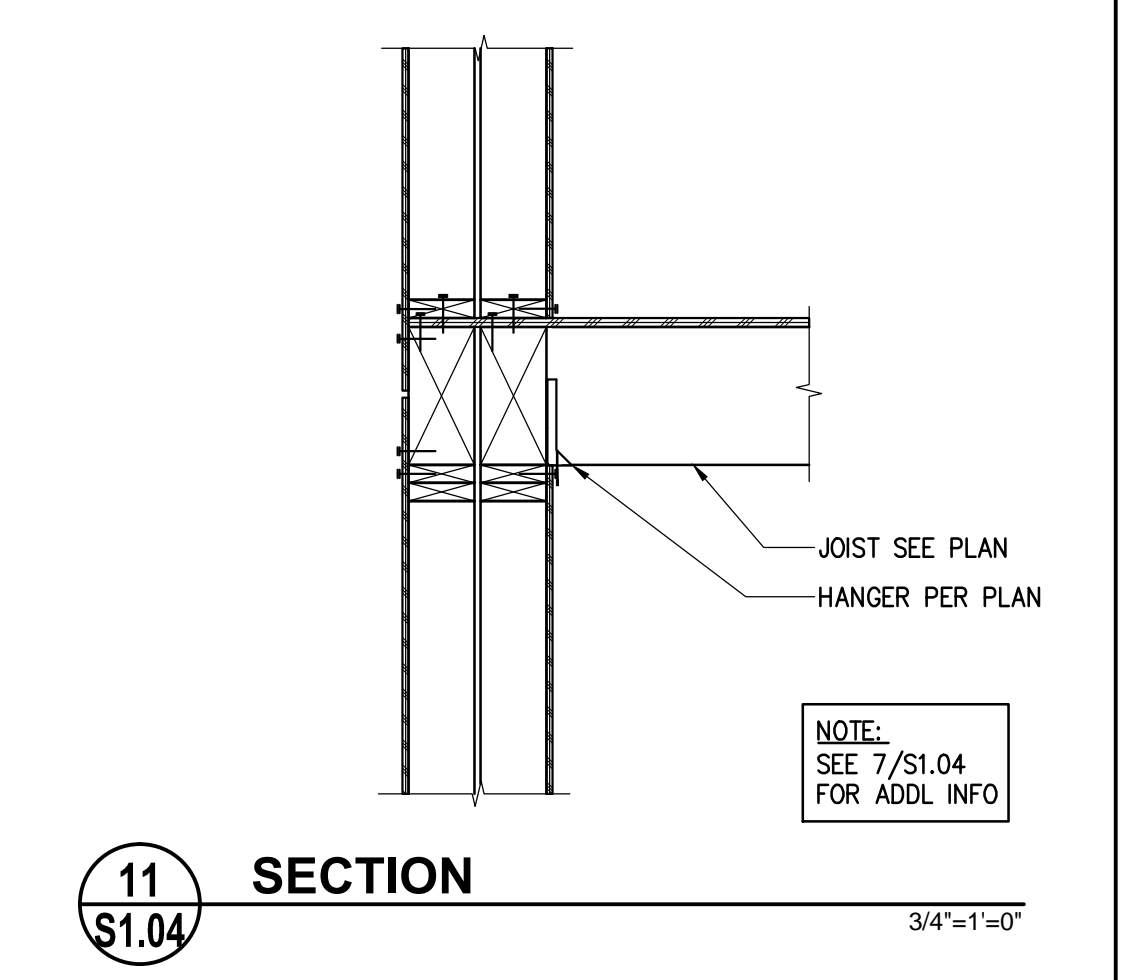
**6**  
**S1.04** SECTION AT CORRIDOR  
3/4"=1'-0"



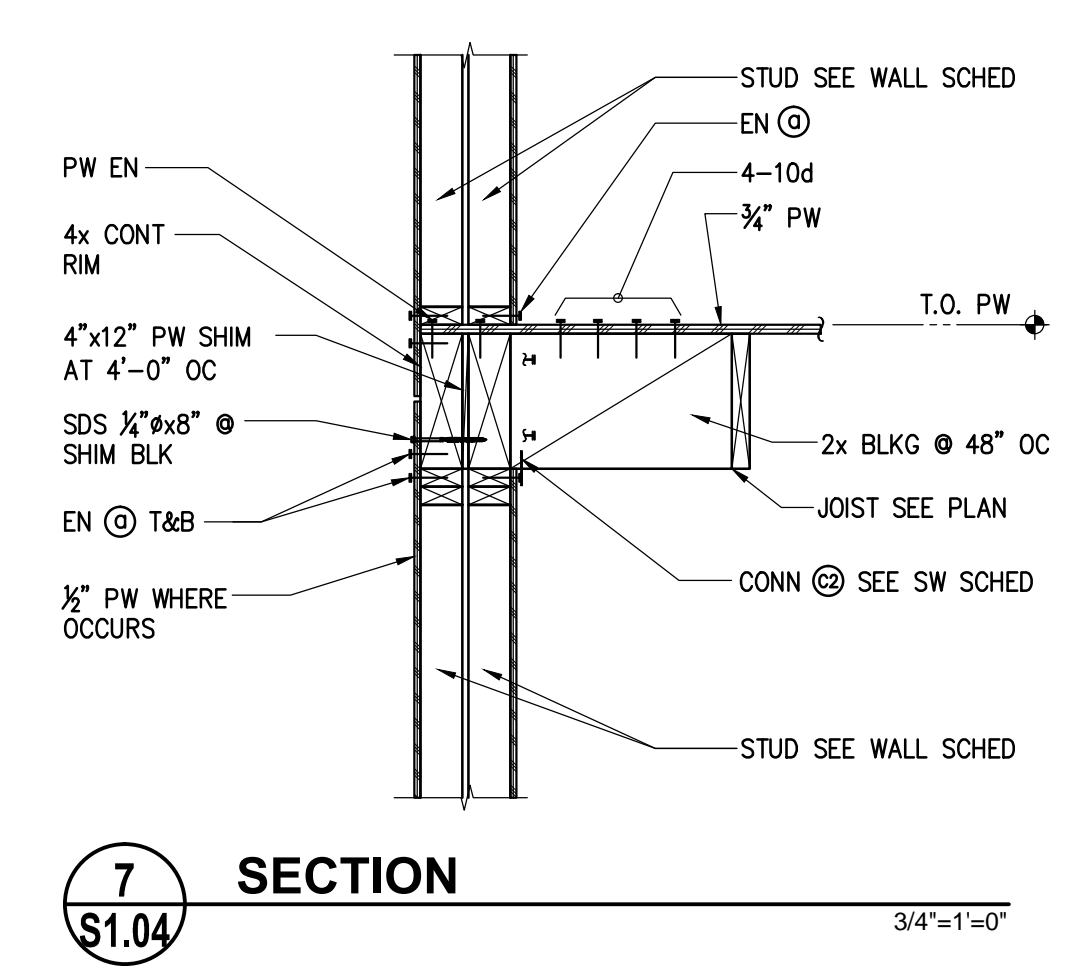
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**S1.04** TYP SECTION AT CORRIDOR  
3/4"=1'-0"



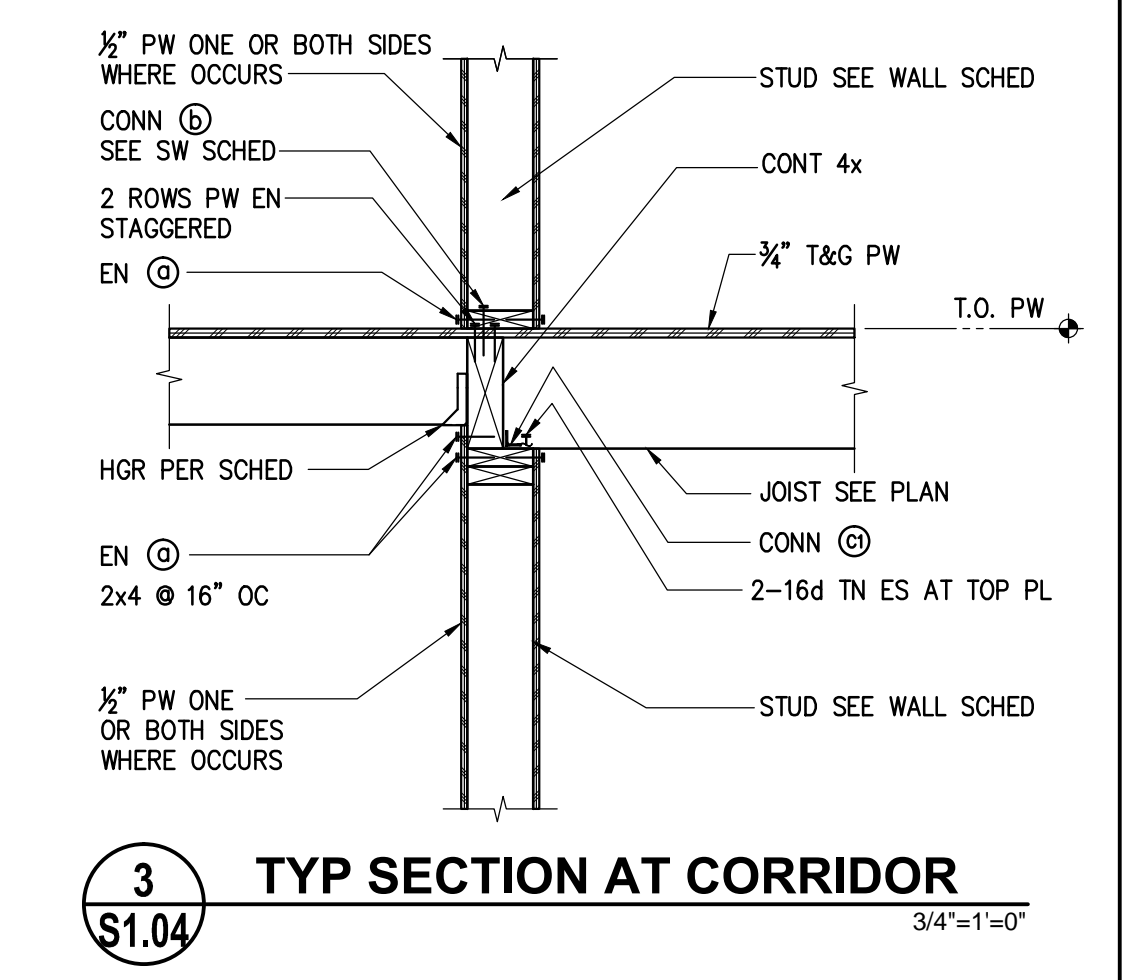
**17**  
**S1.04** TYPICAL TJI FRAMING DETAILS  
NTS



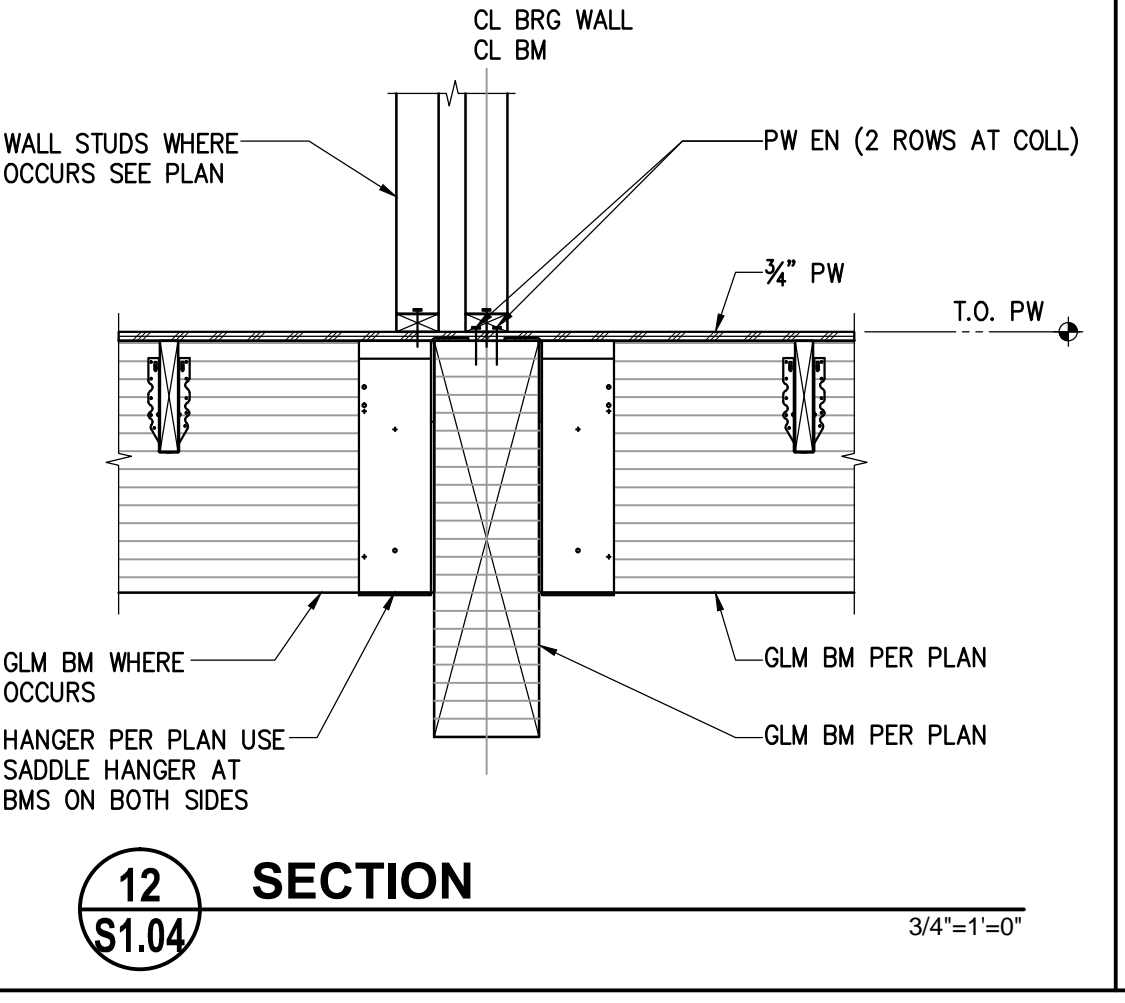
**11**  
**S1.04** SECTION  
3/4"=1'-0"



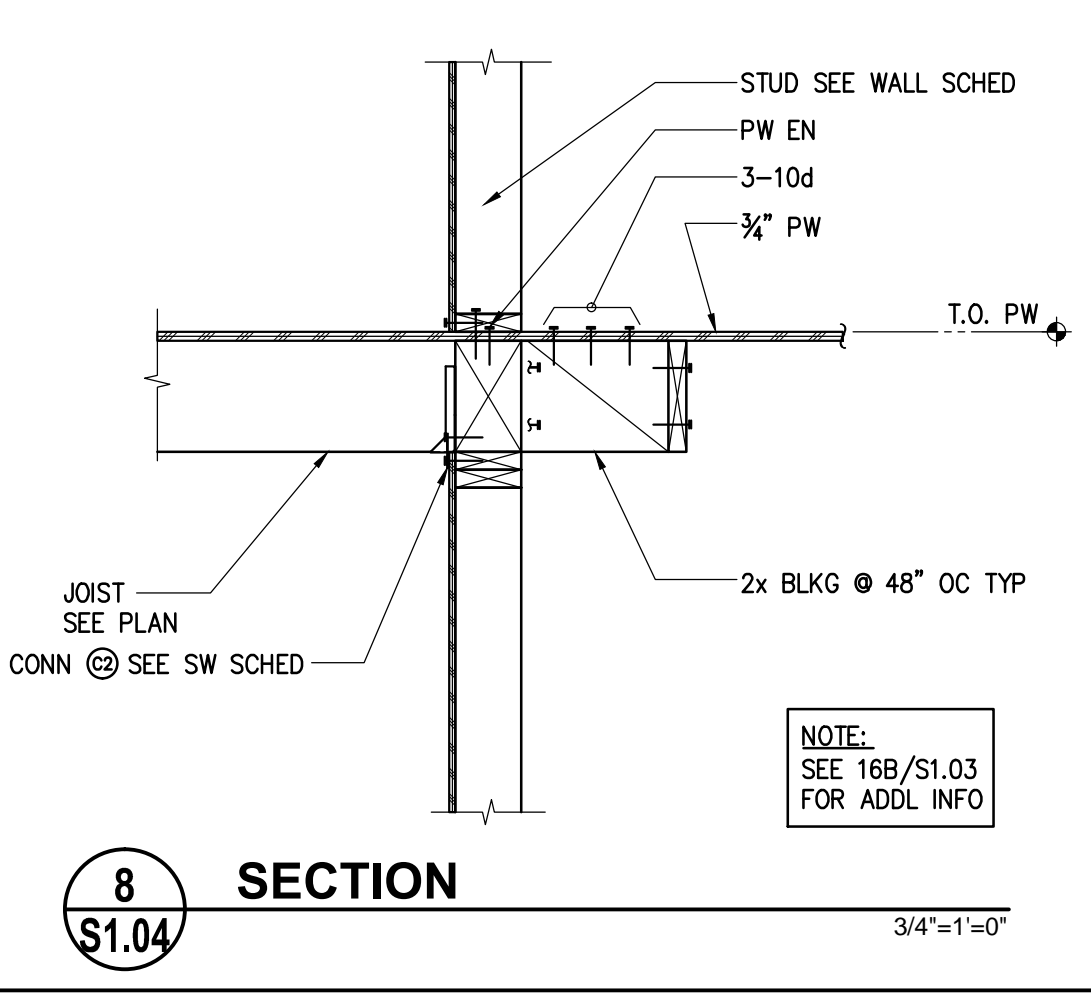
**7**  
**S1.04** SECTION  
3/4"=1'-0"



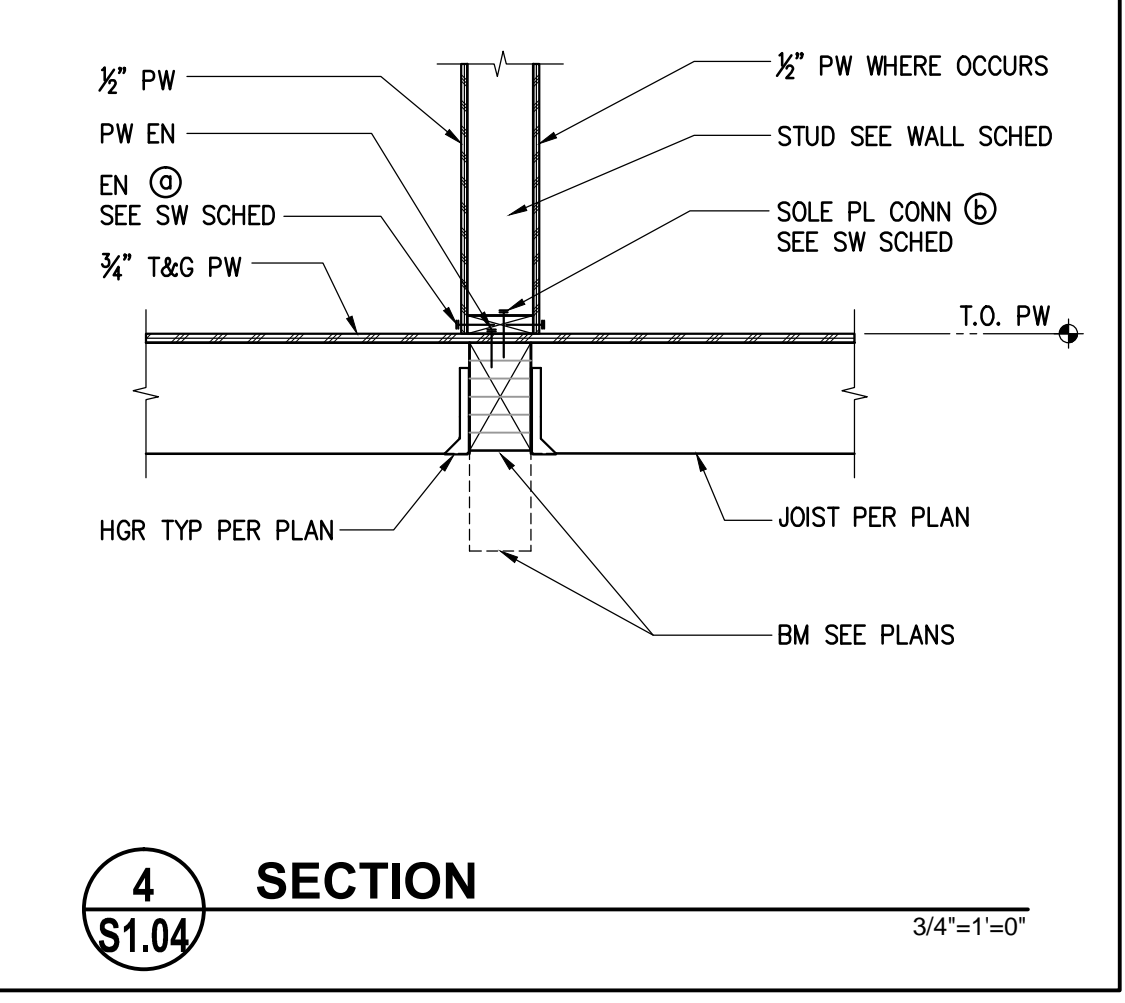
**3**  
**S1.04** TYP SECTION AT CORRIDOR  
3/4"=1'-0"



**12**  
**S1.04** SECTION  
3/4"=1'-0"



**8**  
**S1.04** SECTION  
3/4"=1'-0"



**4**  
**S1.04** SECTION  
3/4"=1'-0"

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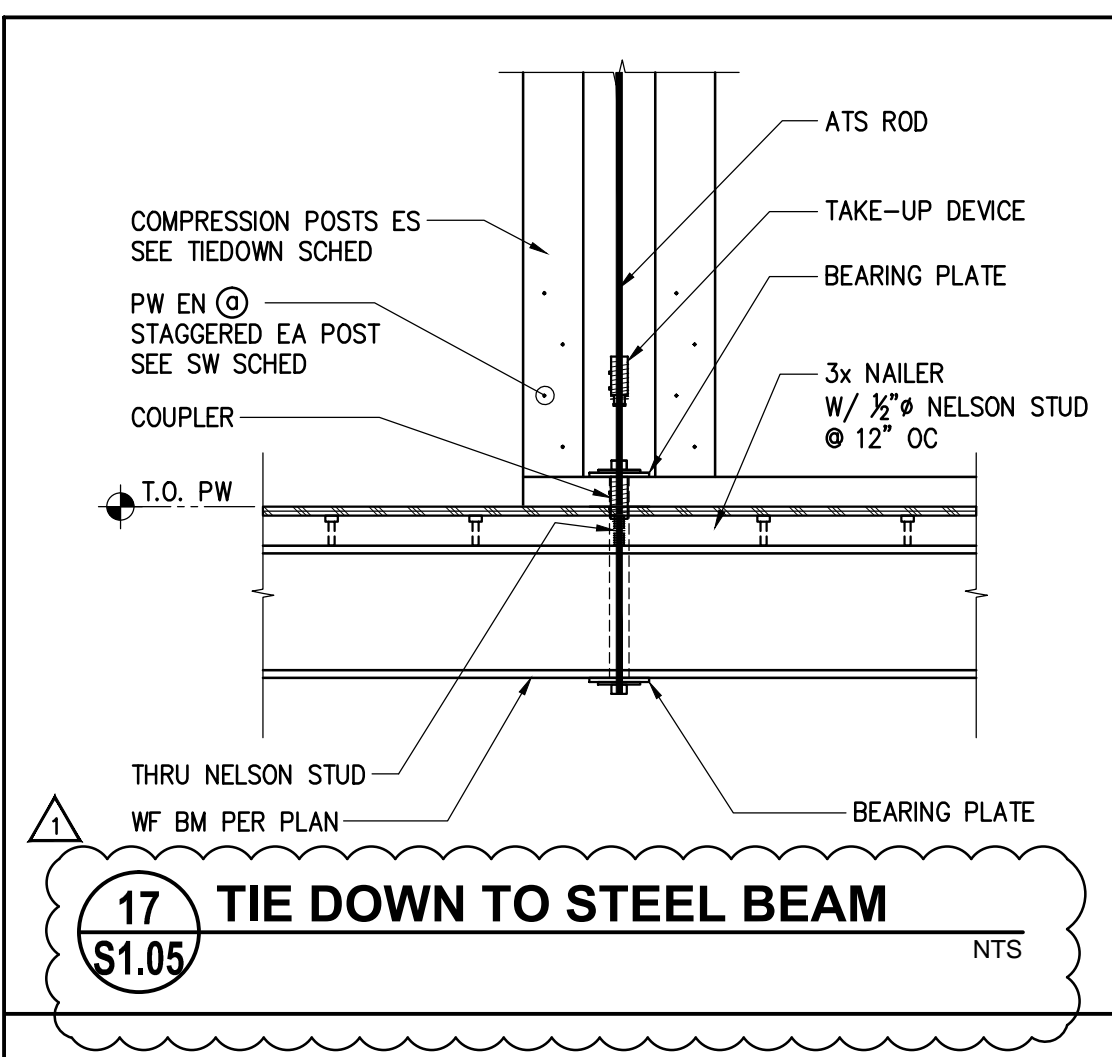
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job number 201517.00  
drawing  
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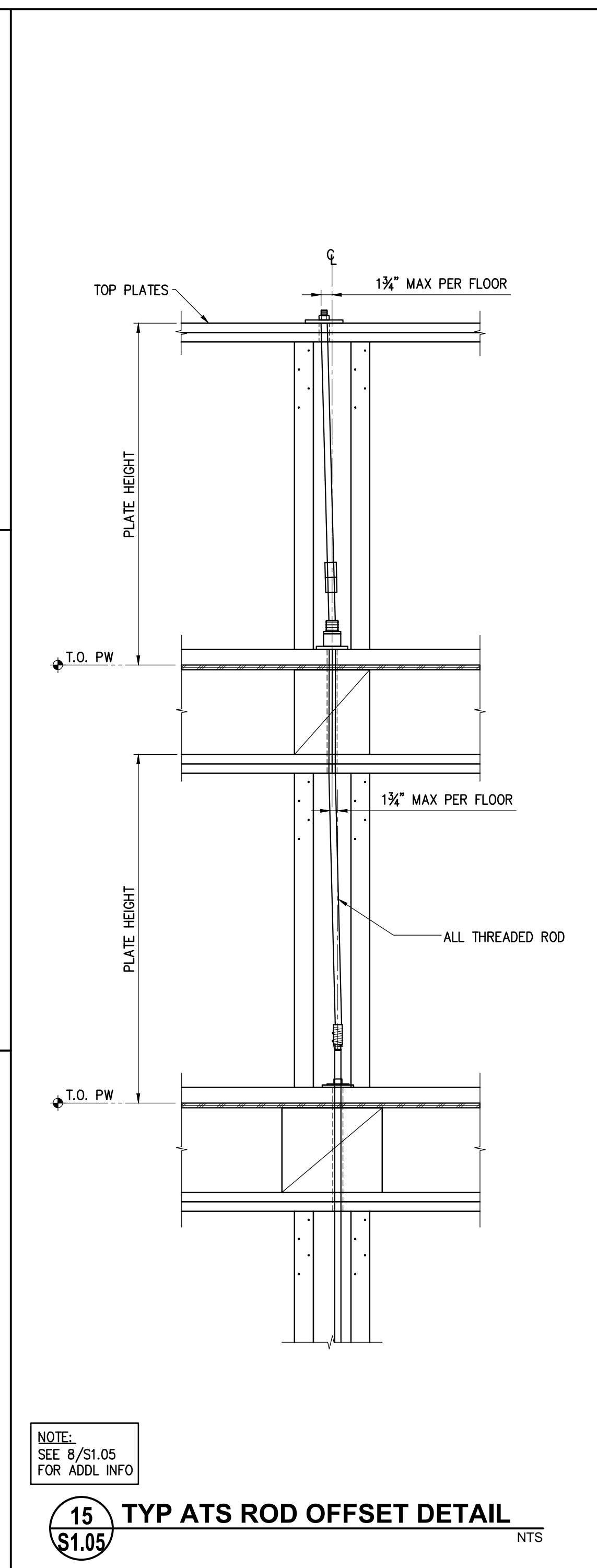
**TYPICAL DETAILS-2**

**S1.04**

IDA JOB NO. 15047

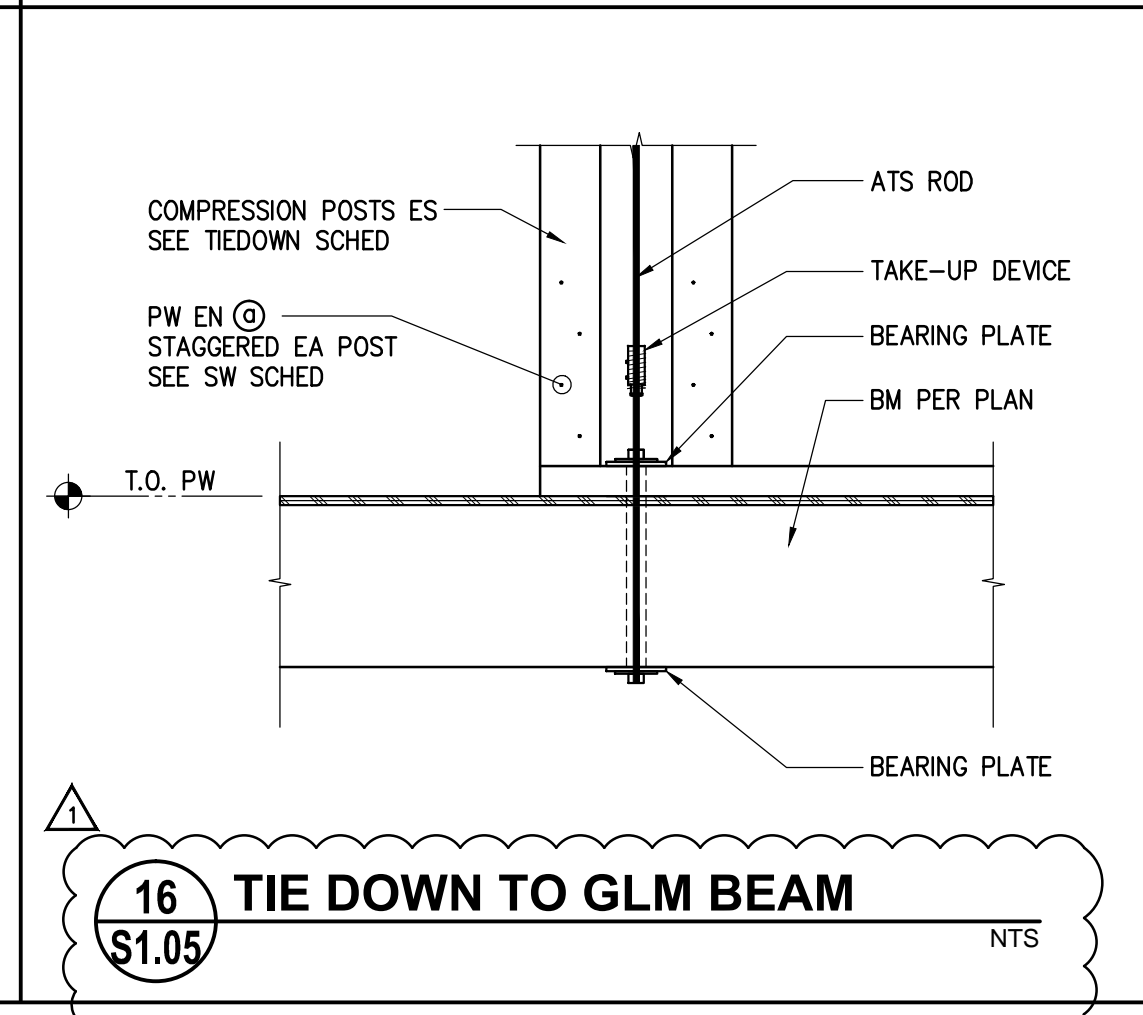


**17 TIE DOWN TO STEEL BEAM**  
NTS  
\$1.05

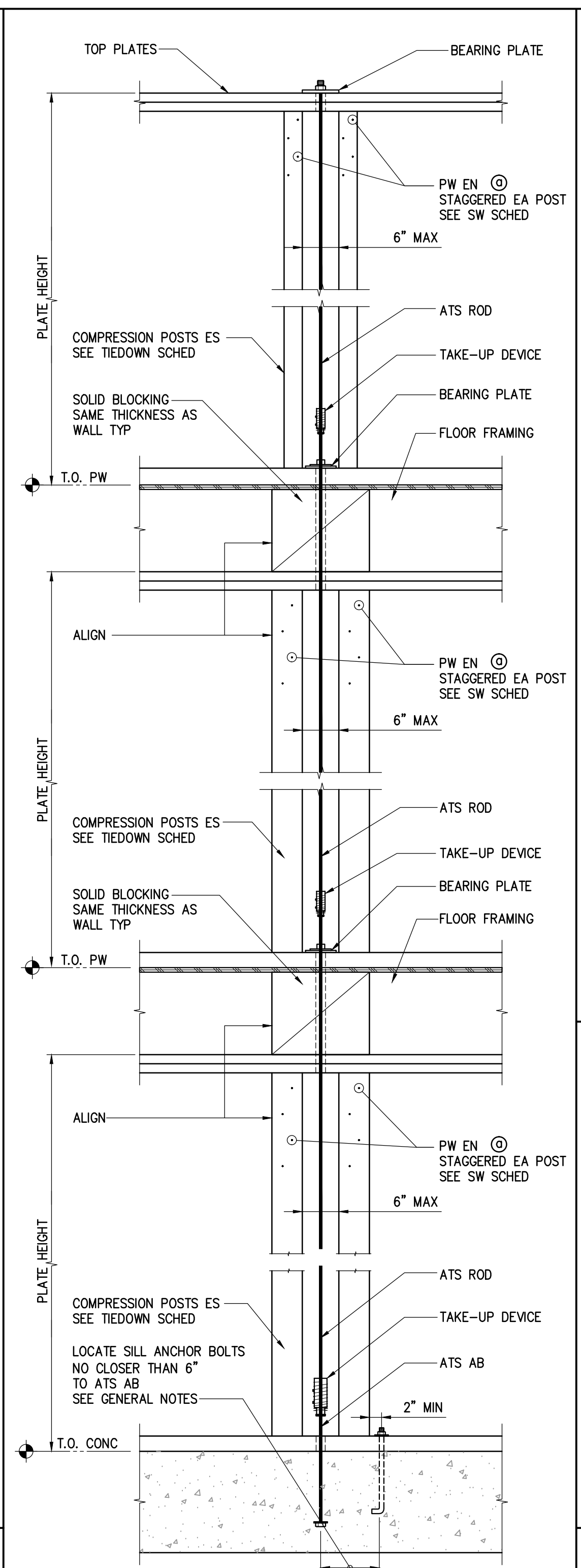


NOTE:  
SEE 8/S1.05  
FOR ADDL INFO

**15 TYP ATS ROD OFFSET DETAIL**  
NTS  
\$1.05

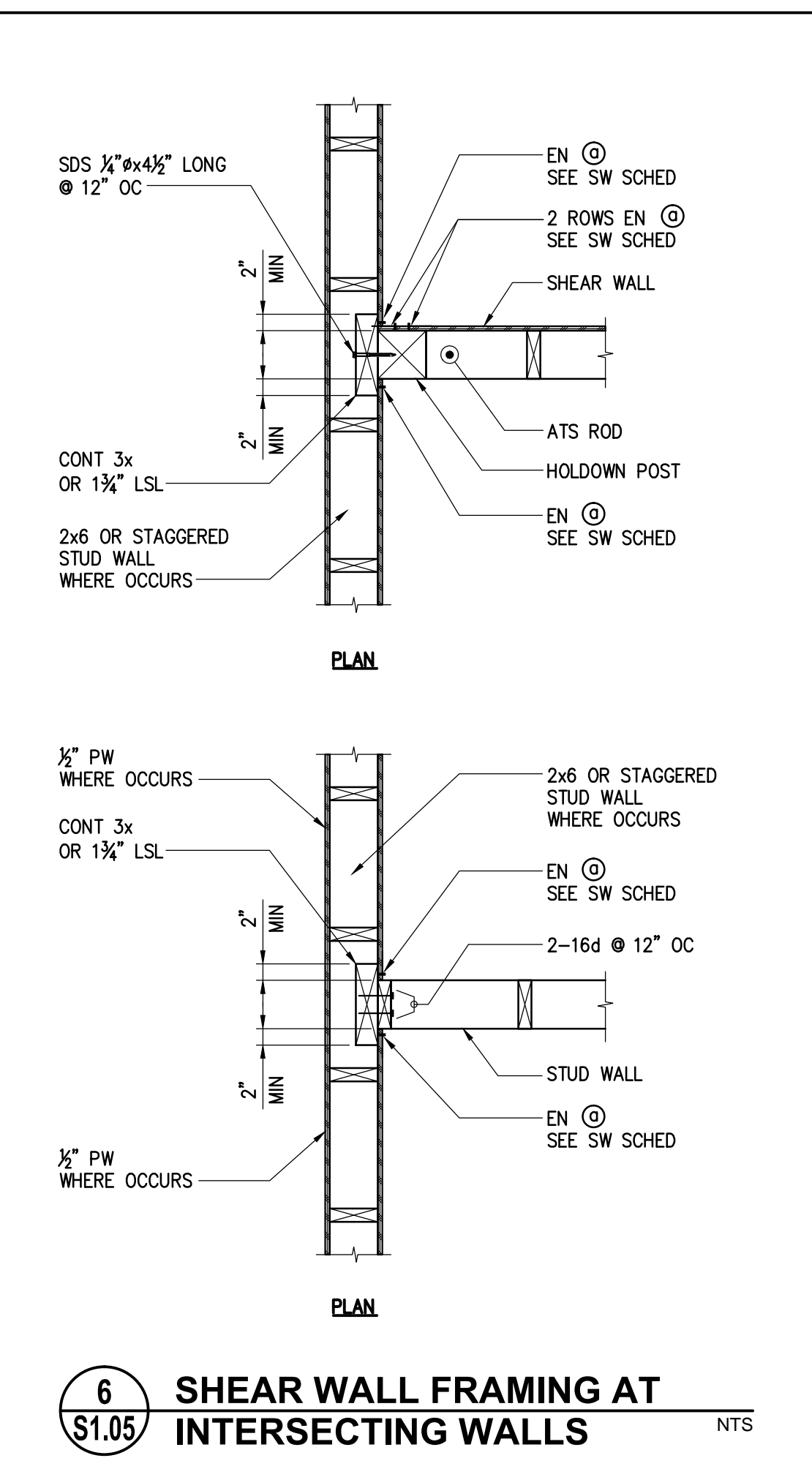


**16 TIE DOWN TO GLM BEAM**  
NTS  
\$1.05

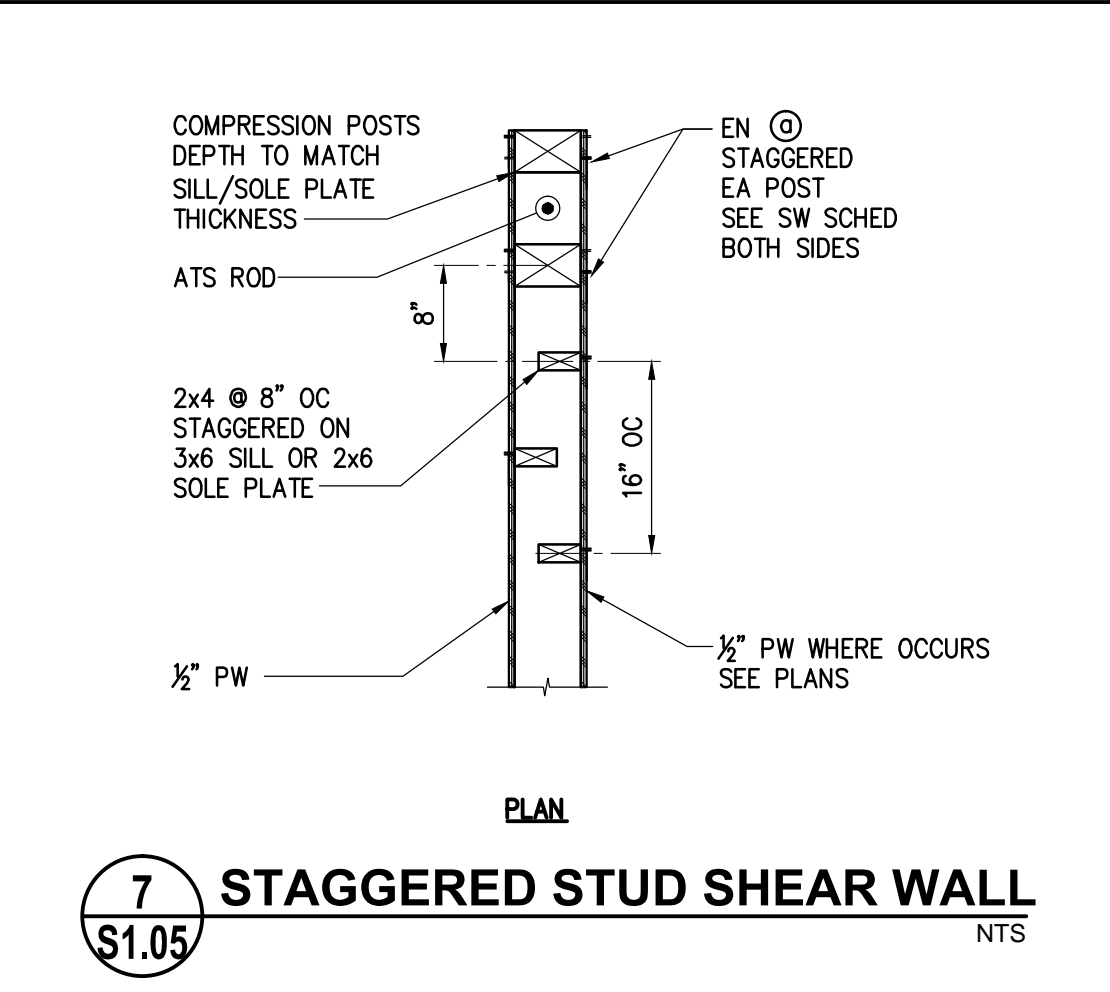


- NOTES:**
1. ATS AB, ATS ROD, TAKE-UP DEVICE, & BEARING PLATE SIZES SHALL BE DESIGNED & SPECIFIED BY MANUFACTURER & SHALL BE NOTED ON SHOP DRAWINGS.
  2. TAKE-UP DEVICE AND BEARING PLATE WASHER REQUIRED AT EACH FLOOR.
  3. STAGGERED PLYWOOD EDGE NAILING ON EACH POST.
  4. FOR DESIGN, MANUFACTURER SHALL USE ACTUAL CUMULATIVE TENSION & COMPRESSION FORCES (ALLOWABLE STRESS DESIGN) AT EACH ATS ANCHOR ROD AS NOTED ON THE PLANS.
  5. SUBMIT SHOP DRAWINGS AND CALCULATIONS FOR REVIEW PRIOR TO FABRICATION.
  6. TIEDOWN SYSTEM SHALL BE DESIGNED FOR THE TENSION AND COMPRESSION FORCES LISTED (ALLOWABLE STRESS DESIGN) IN ACCORDANCE WITH THE 2010 CALIFORNIA BUILDING CODE AND AISC 13th EDITION.
  7. MAXIMUM ROD ELONGATION SHALL NOT EXCEED 0.132\"/>

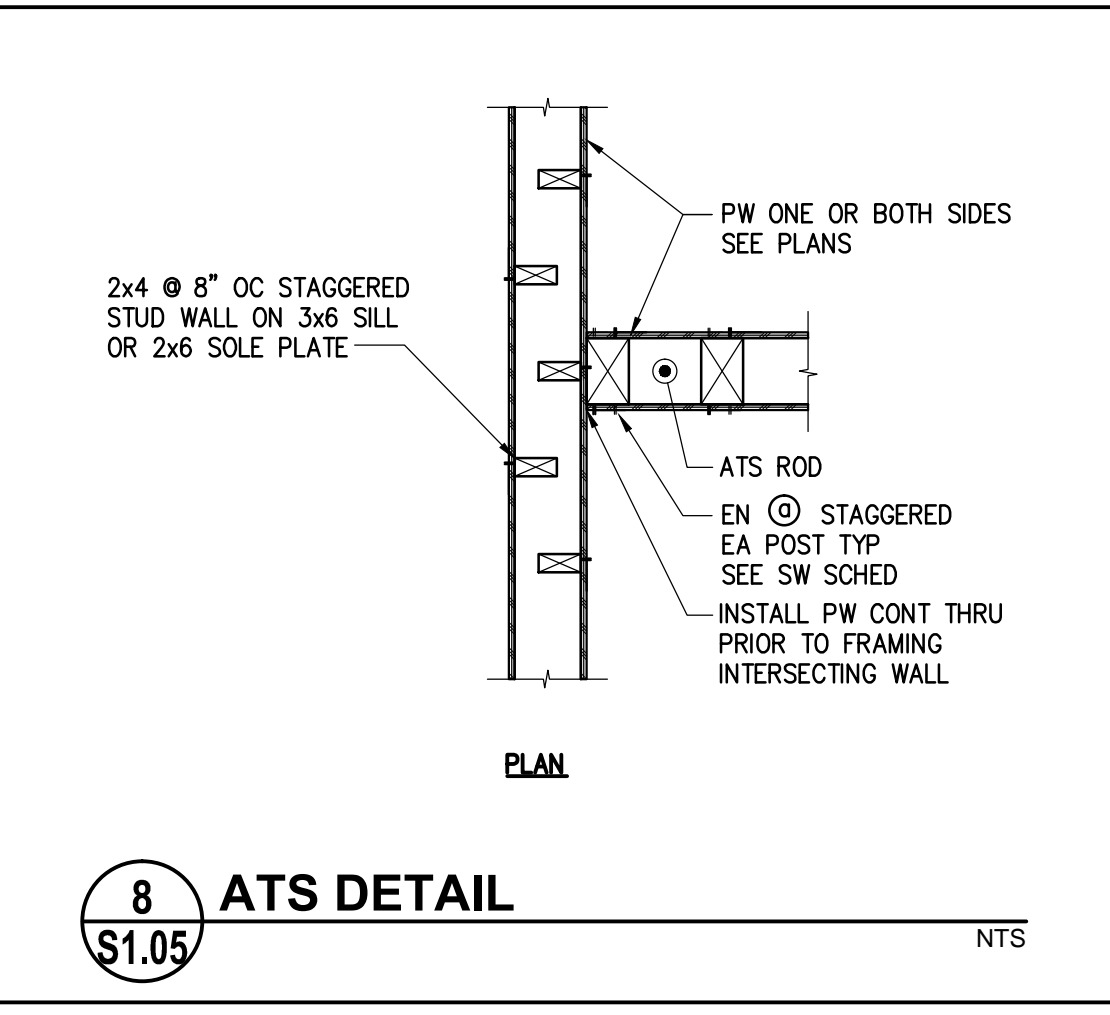
**12 TYP ATS TIEDOWN ASSEMBLY**  
NTS  
\$1.05



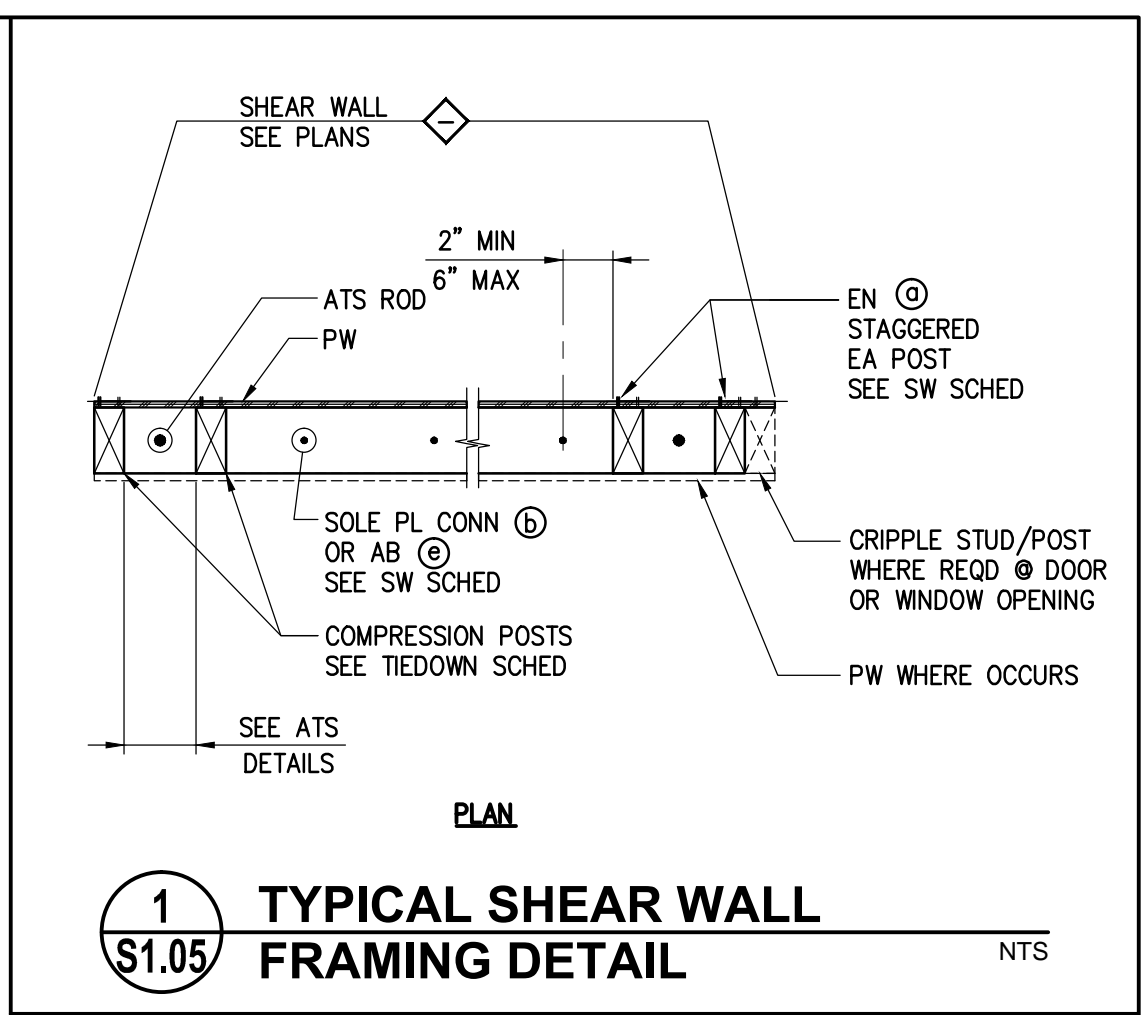
**6 SHEAR WALL FRAMING AT INTERSECTING WALLS**  
NTS  
\$1.05



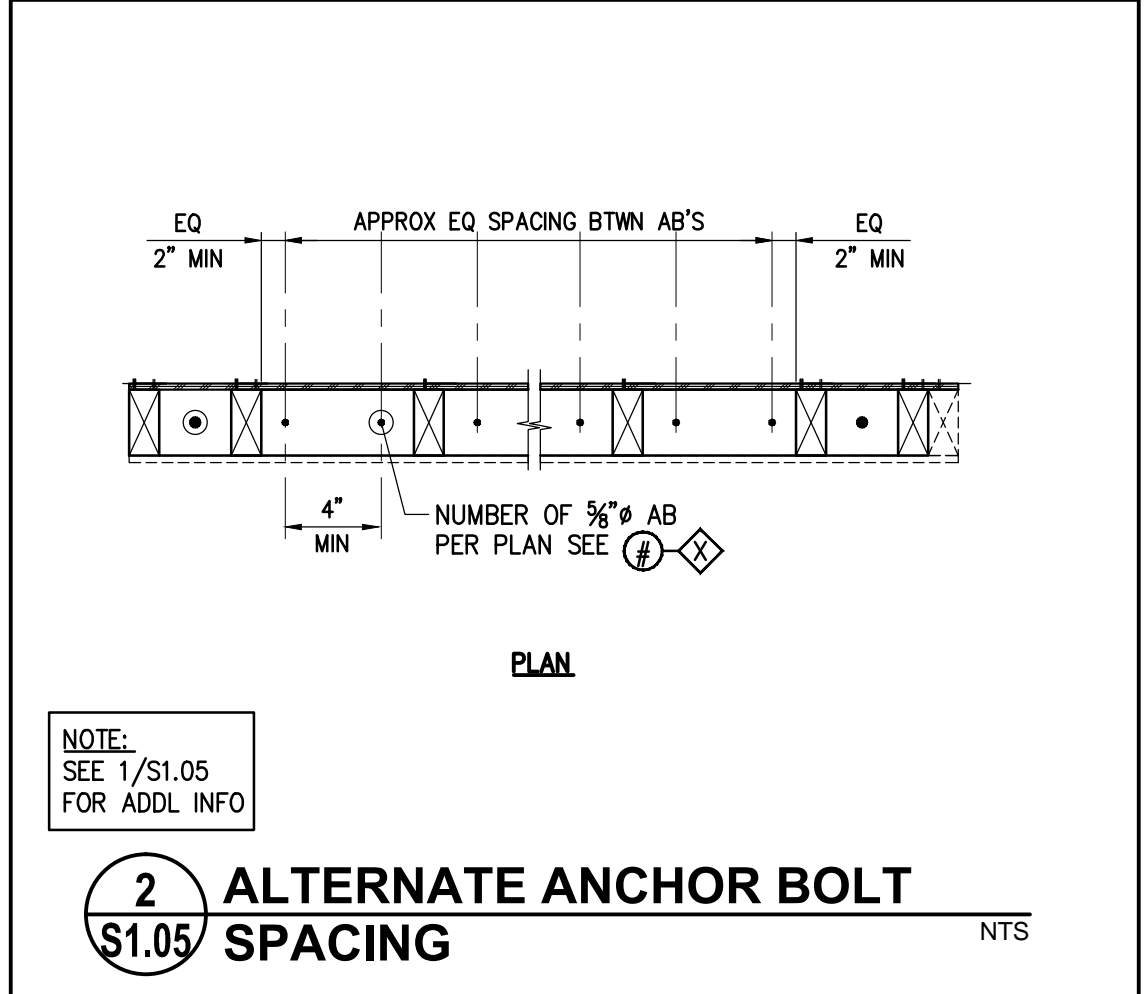
**7 STAGGERED STUD SHEAR WALL**  
NTS  
\$1.05



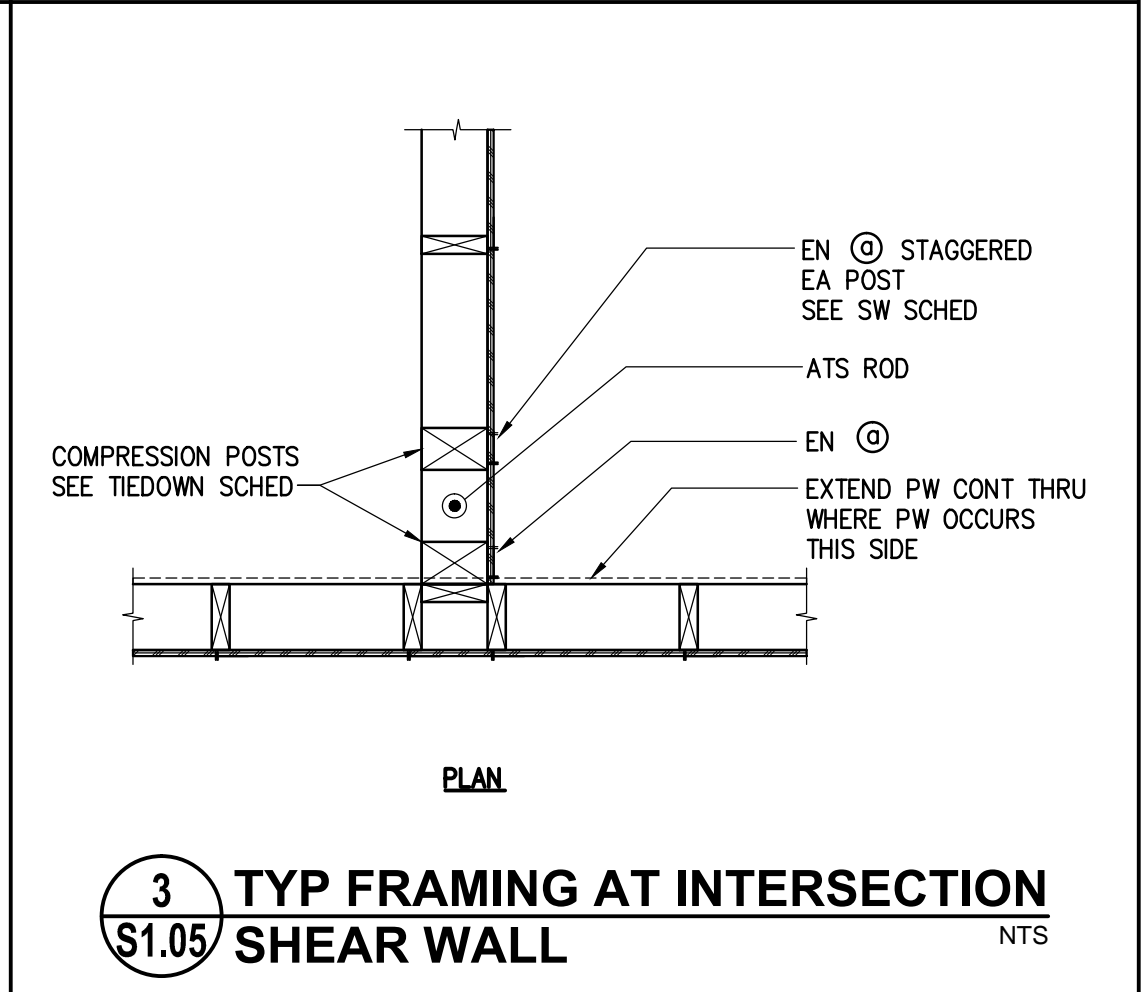
**8 ATS DETAIL**  
NTS  
\$1.05



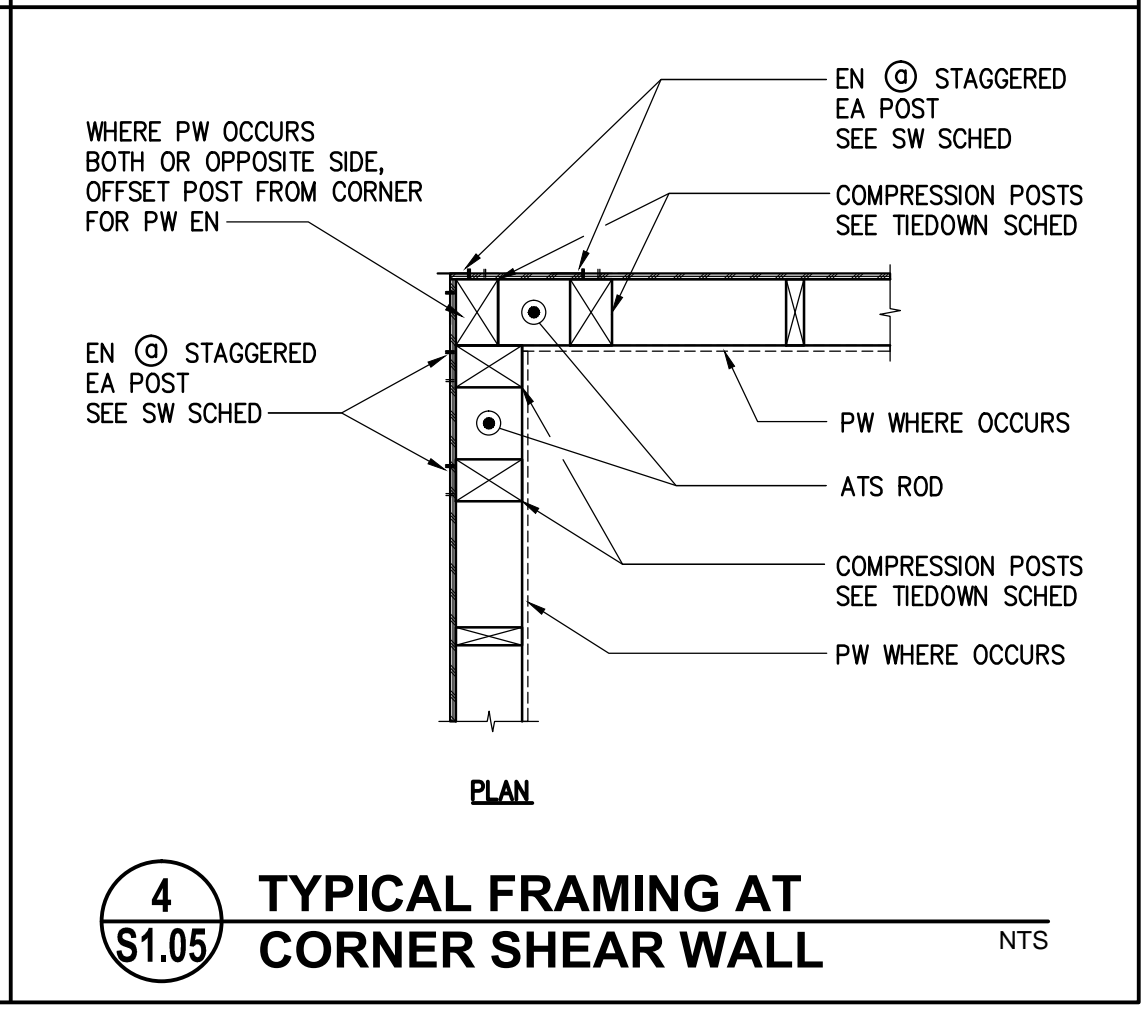
**1 TYPICAL SHEAR WALL FRAMING DETAIL**  
NTS  
\$1.05



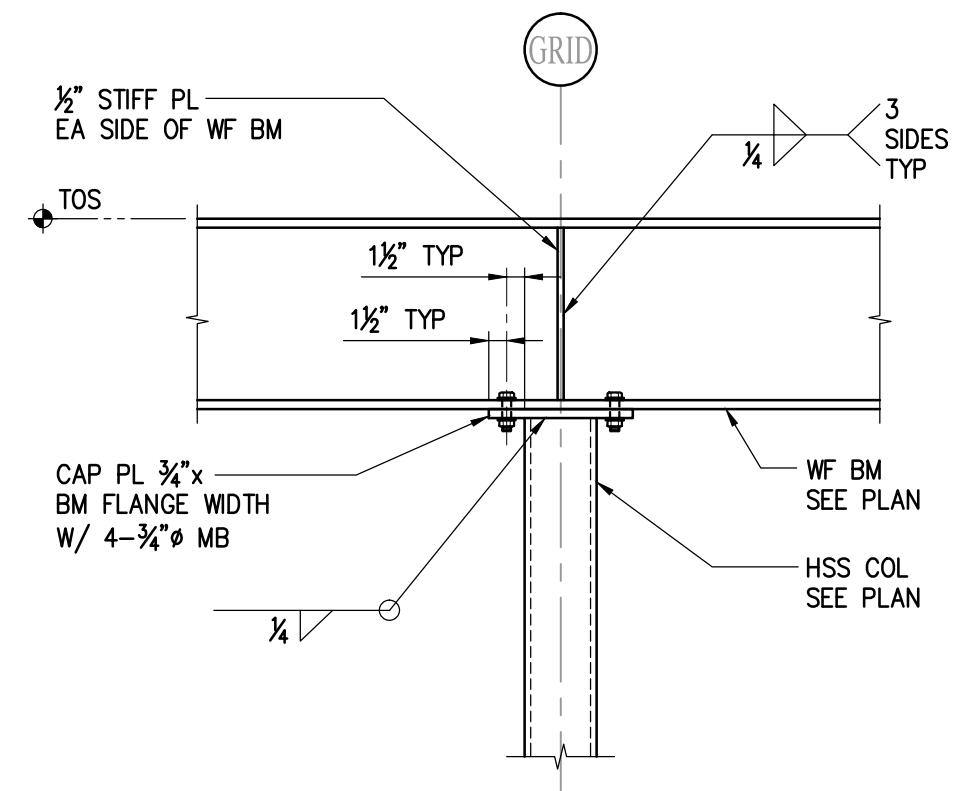
**2 ALTERNATE ANCHOR BOLT SPACING**  
NTS  
\$1.05



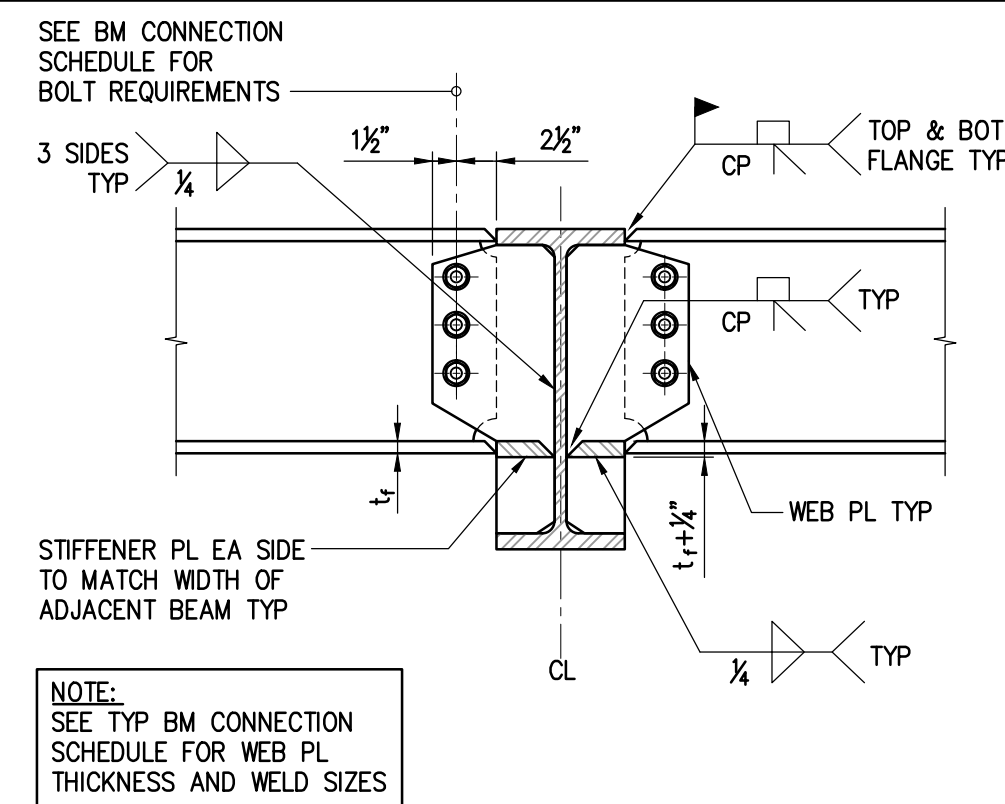
**3 TYP FRAMING AT INTERSECTION SHEAR WALL**  
NTS  
\$1.05



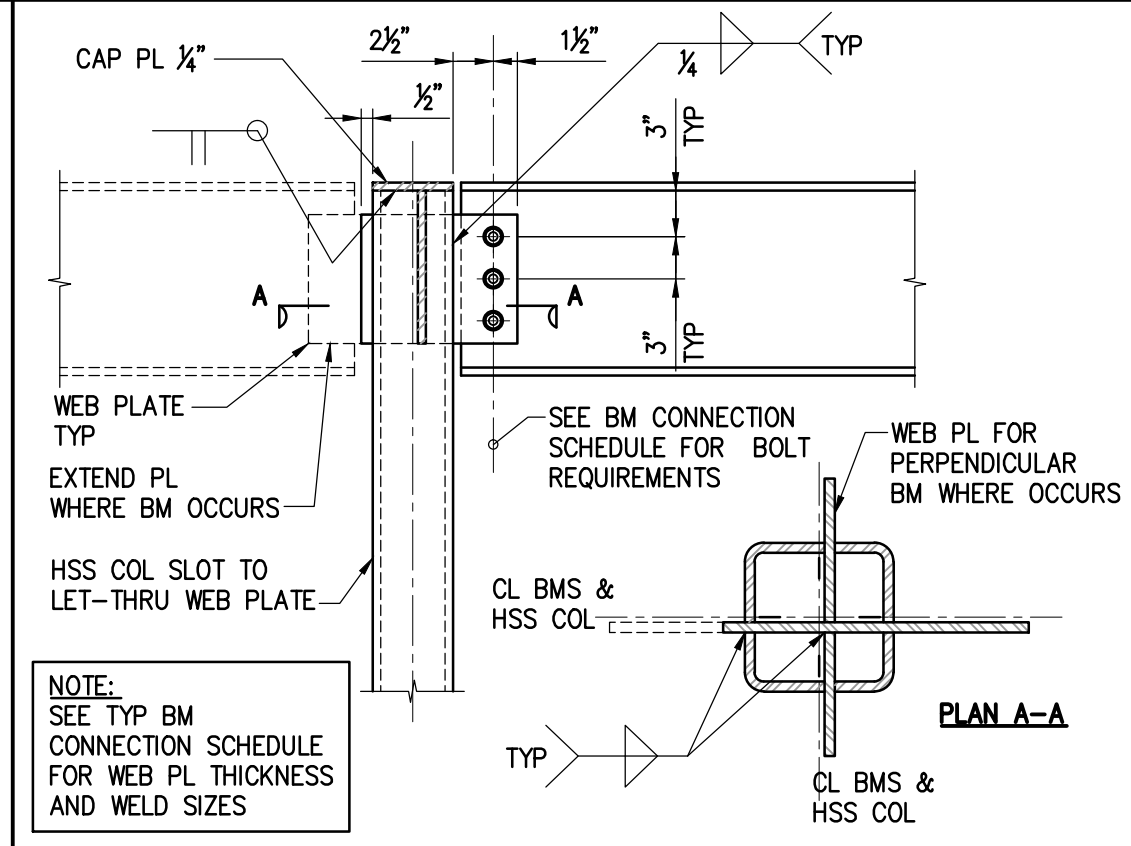
**4 TYPICAL FRAMING AT CORNER SHEAR WALL**  
NTS  
\$1.05



**9 SECTION**  
\$1.06 NTS



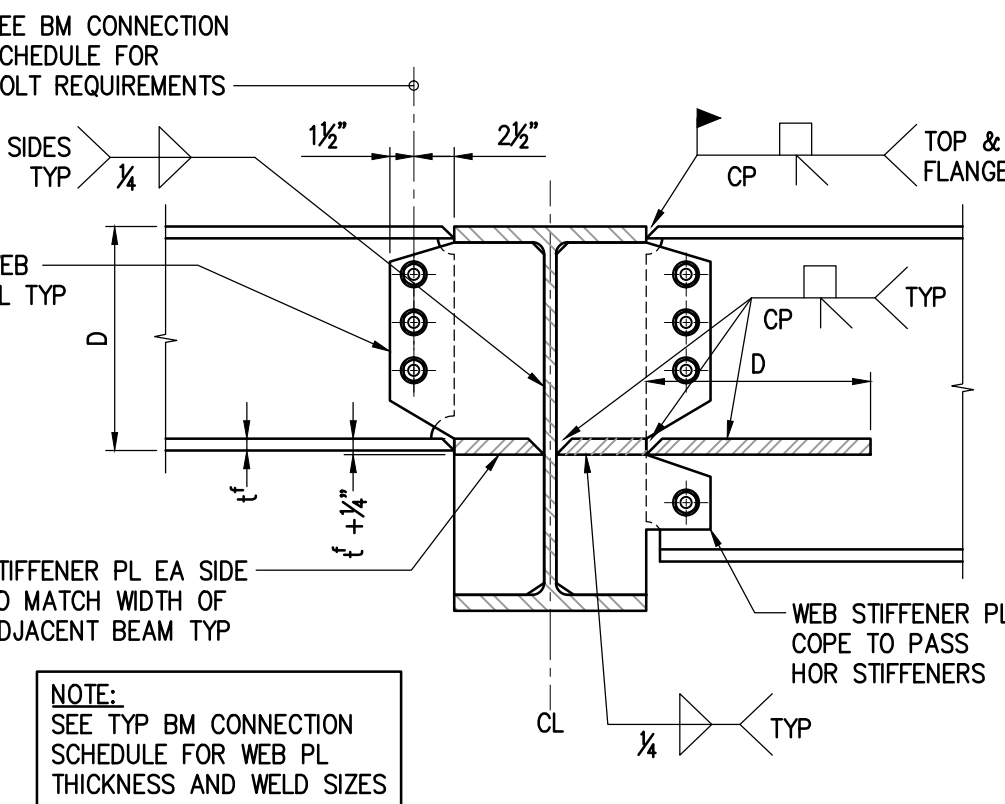
**10 BEAM-TO-BEAM MOMENT CONNECTION DETAIL**  
\$1.06 NTS



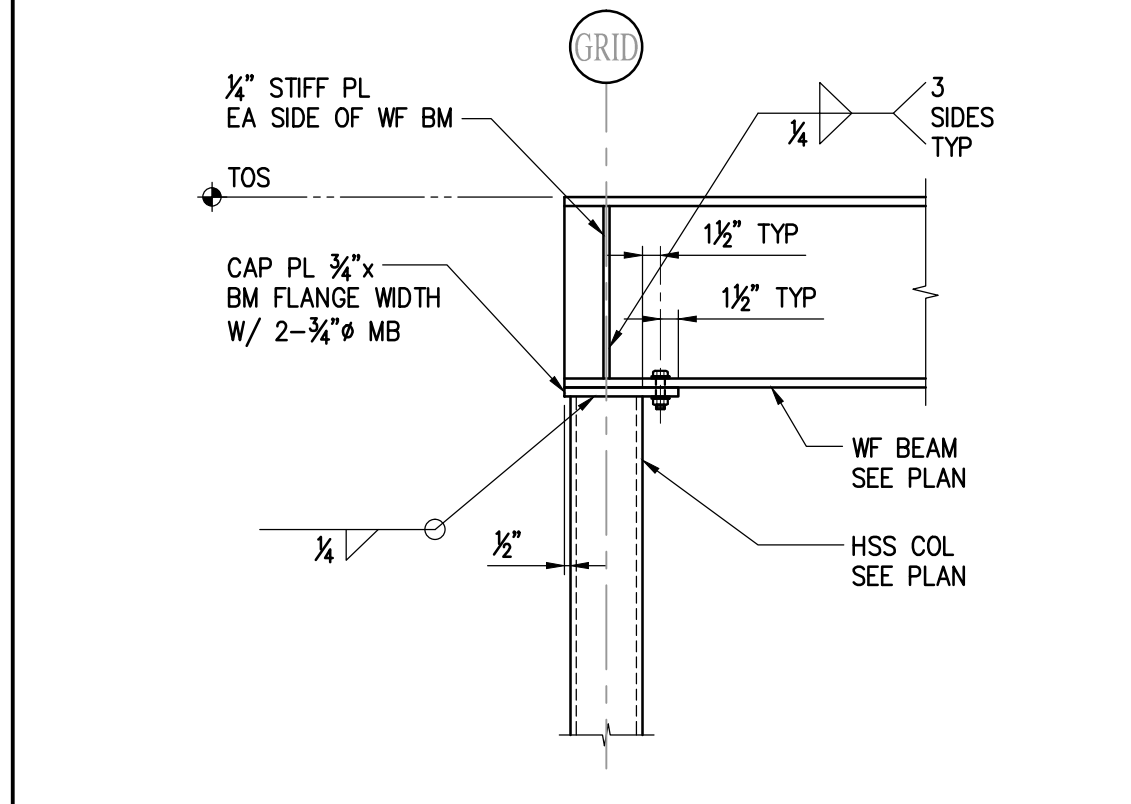
**6 BEAM-TO-TUBE COLUMN CONNECTION DETAIL**  
\$1.06 NTS

BEAM DEPTH	A325SC HS BOLTS	WEB PLATE THICKNESS	WEB PLATE WELD
WB, W10, C10	2-3/4"	1/4"	3/16"
W12, W14, C12	3-1"	1/4"	3/16"
W16, W18	4-1"	3/8"	5/16"
W21	5-1"	3/8"	5/16"
W24	6-1"	1/2"	3/8"
W27	7-1"	1/2"	3/8"
W30	8-1"	1/2"	3/8"
W36	8-1"	1/2"	3/8"

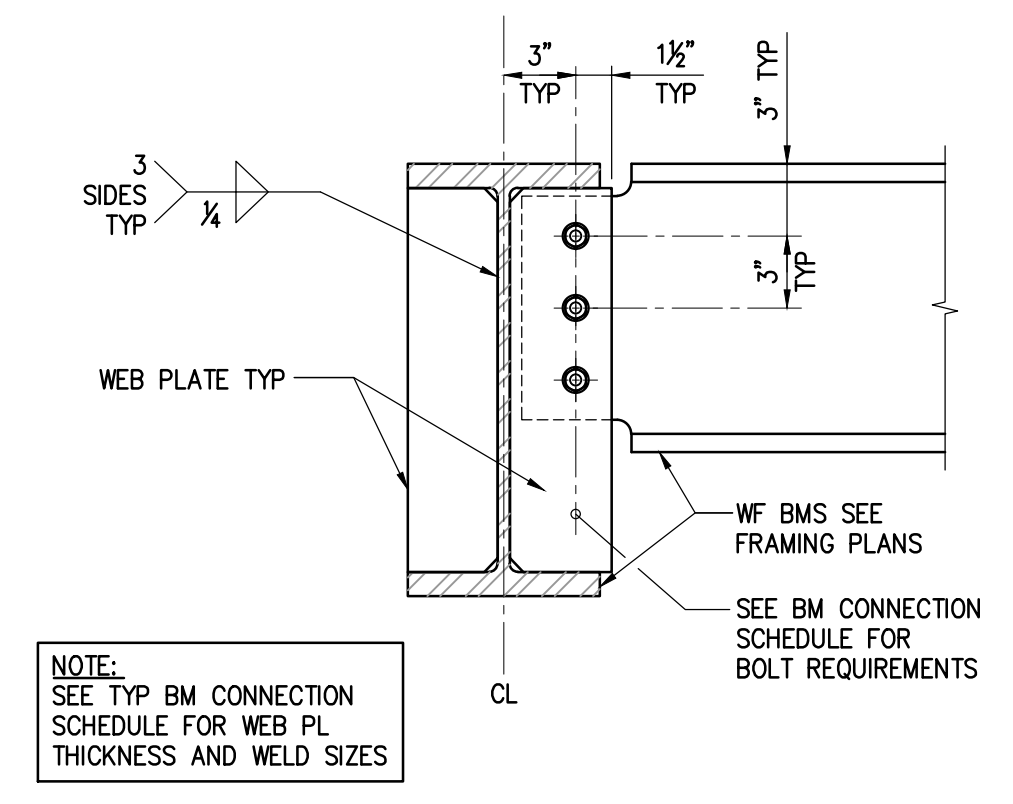
**2 TYPICAL BEAM CONNECTION SCHEDULE**  
\$1.06 NTS



**11 BEAM-TO-BEAM MOMENT CONNECTION DETAIL**  
\$1.06 NTS



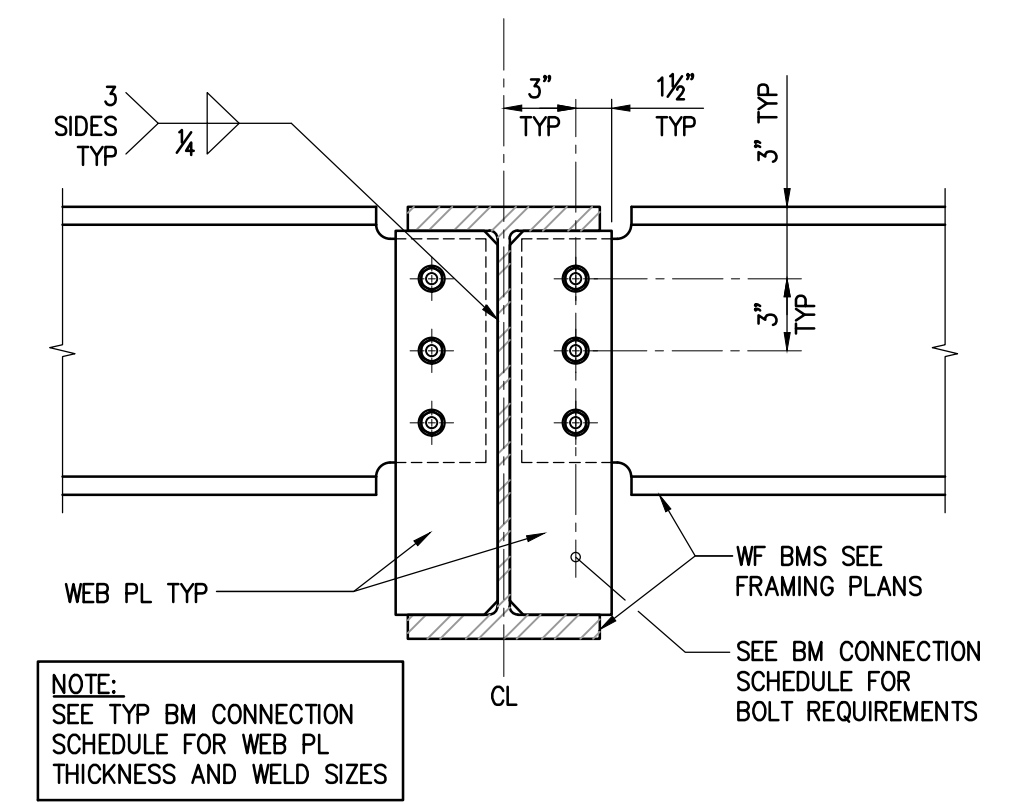
**7 SECTION**  
\$1.06 NTS



**3 BEAM-TO-BEAM CONNECTION DETAIL**  
\$1.06 NTS



**8 SECTION**  
\$1.06 NTS



**4 TYPICAL REINFORCING BAR & ANCHOR BOLT HOOK**  
\$1.06 NTS



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scale AS INDICATED

drawn XG, AI  
checked JL  
file name  
job number 201517.00  
drawing BEAM FRAMING SECTIONS AND DETAILS  
sheet number

**S1.06**

POST SCHEDULE		
MARK	POST SIZE	REMARKS
P1	4x4	
P2	4x6	
P3	6x6	
P4	2-2x8	
C1	HSS5x5x $\frac{3}{8}$	
C2	HSS3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x $\frac{5}{16}$	
C3	HSS7x5x $\frac{3}{8}$	
C4	W16x46	

STRAP SCHEDULE		
MARK	STRAP	MIN END L WHERE APPLIES
S1	MSTC40 STRAP	
S2	CMSTC16	4'-0" MIN
S3	CMST14-10d	4'-0" MIN
S4	CMST12-10d	4'-0" MIN

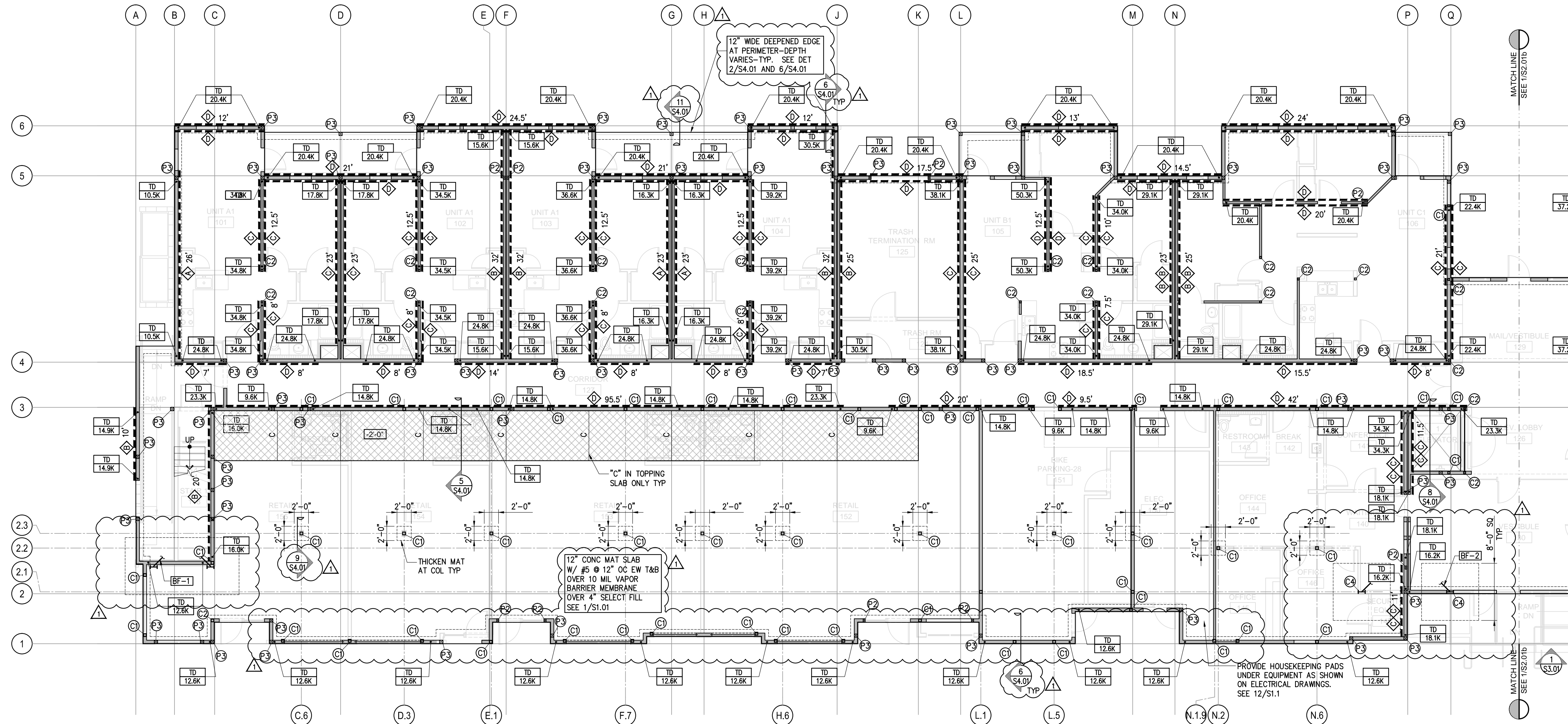
**SHEET NOTES**

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- POSTS SHOWN ON PLAN ARE IN ADDITION TO HOLDOWN POST REQUIRED FOR TIEDOWN SYSTEM.
- SEE WALL STUD SCHEDULE FOR STUD SIZES.
- SEE WALL SECTIONS & DETAILS FOR PSL & LSL MEMBERS AT BEARING & SHEAR WALLS.
- PROVIDE PLYWOOD EDGE NAILING AT COLLECTOR MEMBERS.
- ALL JOISTS OR COLLECTOR BEAMS ALIGNED WITH SHEAR WALLS RECEIVE 2 ROWS OF PLYWOOD EDGE NAILING.
- BLOCK AND STRAP OPENINGS AND DIAPHRAGM PER 18/S1.02.
- RIP MEMBER TO MATCH DEPTH TO MATCH ADJACENT FRMG MEMBERS ARE LOCATED AT MID LANDING

**LEGEND**

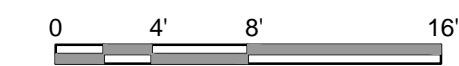
- PLYWOOD SHEAR WALL MARK ( $\frac{1}{2}$ " STRUCTURAL I RATED SHEATHING)
- # DENOTES MINIMUM LENGTH OF WALL (SAD FOR ACTUAL LENGTH)
- EXTEND SHEATHING AS NECESSARY OVER/UNDER OPENINGS TO ACHIEVE FLUSH FINISH FULL LENGTH OF WALL.
- OR DENOTES SHEATHING ON BOTH SIDES OF SHEAR WALL.
- INDICATES AB SPACING DIFFERS FROM SW SCHEDULE. SEE 12/S1.02.
- DENOTES MINIMUM NUMBER OF AB NEEDED ALONG SW LENGTH SPACING EQUALLY OVER WALL LENGTH - HOLDOWN POSTS.
- SIMPSON COMPANY ANCHOR TIEDOWN SYSTEM
- "T=XX" DENOTES CUMULATIVE TENSION FORCE (ALLOWABLE STRESS DESIGN. SEE 8/S1.04. SEE DET 15/S1.01 FOR ANCHORAGE TO CONC MAT
- FJX\* OR FBX\* INDICATES FRAMING AT MID STAIR LANDING.
- FX - PT DENOTES PRESSURE TREATED
- (C) 4x (UON) COLLECTOR WITH 2 ROWS PLYWOOD EDGE NAILING
- DENOTES STRAP WITH 3x4 FLAT BLOCKING BELOW STRAP PER 17/S1.02.
- DENOTES DEPRESSED MAT SLAB W/ 4" CONC TOPPING.
- DENOTES BLOCKED DIAPHRAGM (PER DETAIL)
- DENOTES STRAP.
- PERFORATED SHEAR WALL SEE DETAIL XX/SX.XX
- DENOTES CORNER STRAP S4 W/ 2'-0" MIN END L
- DENOTE BRACED FRAME PER 5/S3.02

BEARING WALL STUD SCHEDULE UON ON PLANS						
LEVEL	MAXIMUM STUD HEIGHT	EXTERIOR WALL	INTERIOR WALL-SAD FOR WALL TYPE LOCATIONS			
			SINGLE WALL	DOUBLE (EACH WALL)	STAGGERED STUD ON 2x6 SOLE PLATE OR 3x6 SILL PLATE AT CORRIDOR	
4TH FLOOR	9'-2"	2x6 @ 16" OC*	2x4 @ 16" OC	2x6 @ 16" OC	2x4 @ 16" OC	2x4 @ 16" OC
3RD FLOOR	8'-8"	2x6 @ 16" OC	2x4 @ 16" OC	2x6 @ 16" OC	2x4 @ 16" OC	3x4 @ 16" OC
2ND FLOOR	8'-8"	2x6 @ 16" OC	3x4 @ 16" OC	2x6 @ 16" OC	3x4 @ 16" OC	4x4 @ 16" OC
1ST FLOOR	12'-8"	3x6 @ 16" OC	3 $\frac{1}{2}$ x3 $\frac{1}{2}$ LVL @ 16" OC	3x6 @ 16" OC	3 $\frac{1}{2}$ x3 $\frac{1}{2}$ LVL @ 16" OC	3 $\frac{1}{2}$ x3 $\frac{1}{2}$ LVL @ 16" OC



**1 FIRST FLOOR / FOUNDATION PLAN - WING A**  
 S2.01a T.O. MAT SLAB = DATUM = 0'-0" UON THUS 'X'-X'

1/8"=1'-0"



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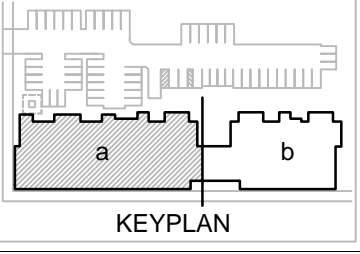


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 OAKLAND, CA 94603

issue date 11/20/15  
 scale AS INDICATED



drawn XG, AI  
 checked JL  
 file name 15047S201a.dwg  
 job number 201517.00

drawing **FIRST FLOOR FOUNDATION PLAN - WING A**  
 sheet number

**S2.01a**



POST SCHEDULE		
MARK	POST SIZE	REMARKS
P1	4x4	
P2	4x6	
P3	6x6	
P4	2-2x8	
C1	HSS5x5x $\frac{3}{8}$	
C2	HSS3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x $\frac{3}{8}$	
C3	HSS7x5x $\frac{3}{8}$	
C4	W16x46	

STRAP SCHEDULE		
MARK	STRAP	MIN END L WHERE APPLIES
S1	MSTC40 STRAP	
S2	CMSTC16	4'-0" MIN
S3	CMST14-10d	4'-0" MIN
S4	CMST12-10d	4'-0" MIN

JOIST SCHEDULE		
MARK	BEAM SIZE & TYPE	HANGER (WHERE REQD)
FJ1	2x10 @ 16" OC	LUS/210
FJ2	2x8 @ 16" OC	LU26
FJ3	1 $\frac{3}{4}$ "x11 $\frac{7}{8}$ " LVL @ 16" OC	IUS1.81/11.88

WOOD BEAM SCHEDULE		
MARK	BEAM SIZE & TYPE	HANGER (WHERE REQD)
FB1	4x10	HUCQ410-SDS
FB2	6x8	HU68TF
FB3	6x10	
FB4	3 $\frac{1}{2}$ "x9" GLM BM	HUCQ210 2-SDS
FB5	3 $\frac{1}{2}$ "x13 $\frac{1}{2}$ " GLM BM	HUCQ5.25/ 9-SDS
FB6	5 $\frac{1}{2}$ "x9" GLM BM	HUCQ5.25/ 11-SDS
FB7	6 $\frac{1}{2}$ "x10 $\frac{1}{2}$ " GLM BM	HGU7.00-SDS
FB8	5 $\frac{1}{2}$ "x13 $\frac{1}{2}$ " GLM BM	HUCQ5.25/ 11-SDS
FB9	5 $\frac{1}{2}$ "x15" GLM BM	HUGS5.25/10
FB10	5 $\frac{1}{2}$ "x24" GLM BM	PER PLAN
FB11	6 $\frac{1}{2}$ "x18" GLM BM	HGUS6.88/10
FB12	6 $\frac{1}{2}$ "x21" GLM BM	HGU7.00-SDS
FB13	8 $\frac{1}{2}$ "x33" GLM BM	PER PLAN
FB14	8 $\frac{1}{2}$ "x21" GLM BM	HGU9.00-SDS
FB15	3 $\frac{1}{2}$ "x11 $\frac{7}{8}$ "	PER PLAN
FB16	6 $\frac{1}{2}$ "x24" GLM BM	PER PLAN
FB17	5 $\frac{1}{2}$ "x12" GLM BM	PER PLAN

STEEL BEAM SCHEDULE		
MARK	BEAM SIZE & TYPE	REMARK
SB1	W6x20	
SB2	W12x16	
SB3	W24x76	
SB4	W27x84	
SB5	HSS12x6x $\frac{3}{8}$	
SB6	W16x40	

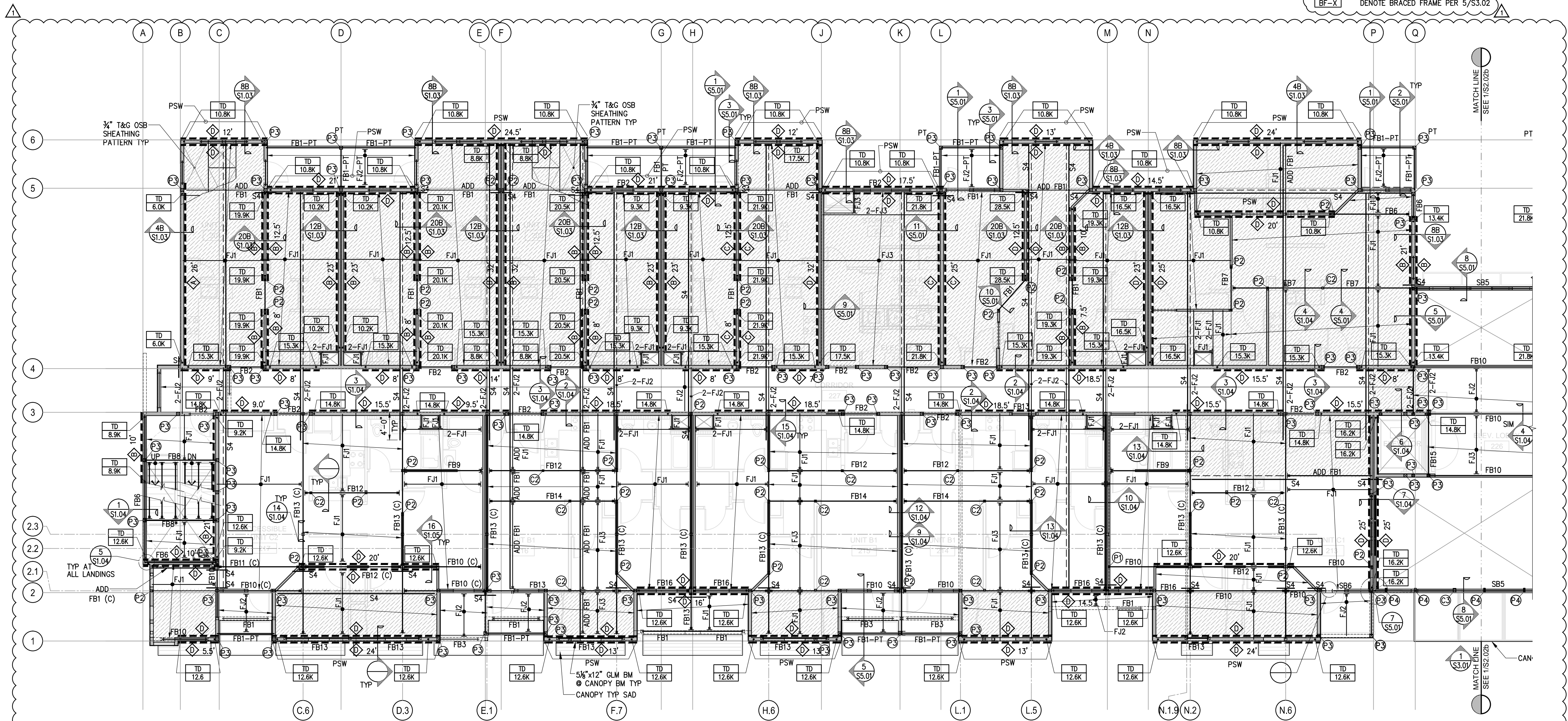
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- BLOCK AND STRAP OPENINGS AND DIAPHRAGM PER 18/S1.02.
- RIP MEMBER TO MATCH DEPTH TO MATCH ADJACENT FRMG MEMBERS ARE LOCATED AT MID LANDING

**LEGEND**

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- DENOTE BRACED FRAME PER 5/S3.02

BEARING WALL STUD SCHEDULE UON ON PLANS						
LEVEL	MAXIMUM STUD HEIGHT	EXTERIOR WALL	INTERIOR WALL - SAD FOR WALL TYPE LOCATIONS			STAGGERED STUD ON 2x6 SOLE PLATE OR 3x6 SILL PLATE AT CORRIDOR
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3RD FLOOR	8'-8"	2x6 @ 16" OC	2x4 @ 16" OC	2x6 @ 16" OC	2x4 @ 16" OC	3x4 @ 16" OC
2ND FLOOR	8'-8"	2x6 @ 16" OC	3x4 @ 16" OC	2x6 @ 16" OC	3x4 @ 16" OC	4x4 @ 16" OC
1ST FLOOR	12'-8"	3x6 @ 16" OC	3 $\frac{1}{2}$ "x3 $\frac{1}{2}$ " LVL @ 16" OC	3x6 @ 16" OC	3 $\frac{1}{2}$ "x3 $\frac{1}{2}$ " LVL @ 16" OC	3 $\frac{1}{2}$ "x3 $\frac{1}{2}$ " LVL @ 16" OC



1 SECOND FLOOR FRAMING PLAN - WING A

1/8"=1'-0"

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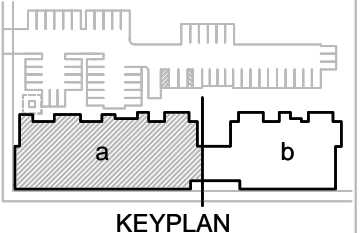


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revisions	number	date
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BID SET	9/24/2015	
PLAN CHECK	11/20/2015	
RE-SUBMITTAL		

**94th AND INTERNATIONAL**  
 9400 INTERNATIONAL BLVD  
 OAKLAND, CA 94603

issue date 11/20/15  
 scale AS INDICATED



drawn XG, AI  
 checked JL  
 file name 15047S202a.dwg  
 job number 201517.00

drawing SECOND FLOOR PLAN - WING A  
 sheet number

**S2.02a**

POST SCHEDULE		
MARK	POST SIZE	REMARKS
P1	4x4	
P2	4x6	
P3	6x6	
P4	2-2x8	
C1	HSS5x5x $\frac{3}{8}$	
C2	HSS3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x $\frac{3}{16}$	
C3	HSS7x5x $\frac{3}{8}$	
C4	W16x46	

STRAP SCHEDULE		
MARK	STRAP	MIN END L WHERE APPLIES
S1	MSTC40 STRAP	
S2	CMSTC16	4'-0" MIN
S3	CMST14-10d	4'-0" MIN
S4	CMST12-10d	4'-0" MIN

JOIST SCHEDULE		
MARK	BEAM SIZE & TYPE	HANGER (WHERE REQD)
FJ1	2x10 @ 16" OC	LUS/210
FJ2	2x8 @ 16" OC	LU26
FJ3	1 $\frac{3}{4}$ "x11 $\frac{1}{2}$ " LVL @ 16" OC	IUS1.81/11.88

WOOD BEAM SCHEDULE		
MARK	BEAM SIZE & TYPE	HANGER (WHERE REQD)
FB1	4x10	HUCQ410-SDS
FB2	6x8	HU68TF
FB3	6x10	
FB4	3 $\frac{1}{2}$ "x9" GLM BM	HUCQ210 2-SDS
FB5	3 $\frac{1}{2}$ "x13 $\frac{1}{2}$ " GLM BM	HUCQ5.25/9-SDS
FB6	5 $\frac{1}{2}$ "x9" GLM BM	HUCQ5.25/11-SDS
FB7	6 $\frac{1}{2}$ "x10 $\frac{1}{2}$ " GLM BM	HGU7.00-SDS
FB8	5 $\frac{1}{2}$ "x13 $\frac{1}{2}$ " GLM BM	HUCQ5.25/11-SDS
FB9	5 $\frac{1}{2}$ "x15" GLM BM	HUGS5.25/10
FB10	5 $\frac{1}{2}$ "x24" GLM BM	PER PLAN
FB11	6 $\frac{1}{2}$ "x18" GLM BM	HGUS6.88/10
FB12	6 $\frac{1}{2}$ "x21" GLM BM	HGU7.00-SDS
FB13	8 $\frac{1}{2}$ "x33" GLM BM	PER PLAN
FB14	8 $\frac{1}{2}$ "x21" GLM BM	HGU9.00-SDS
FB15	3 $\frac{1}{2}$ "x11 $\frac{1}{2}$ "	PER PLAN
FB16	6 $\frac{1}{2}$ "x24" GLM BM	PER PLAN
FB17	5 $\frac{1}{2}$ "x12" GLM BM	PER PLAN

STEEL BEAM SCHEDULE		
MARK	BEAM SIZE & TYPE	REMARK
SB1	W6x20	
SB2	W12x16	
SB3	W24x76	
SB4	W27x84	
SB5	HSS12x6x $\frac{3}{8}$	
SB6	W16x40	

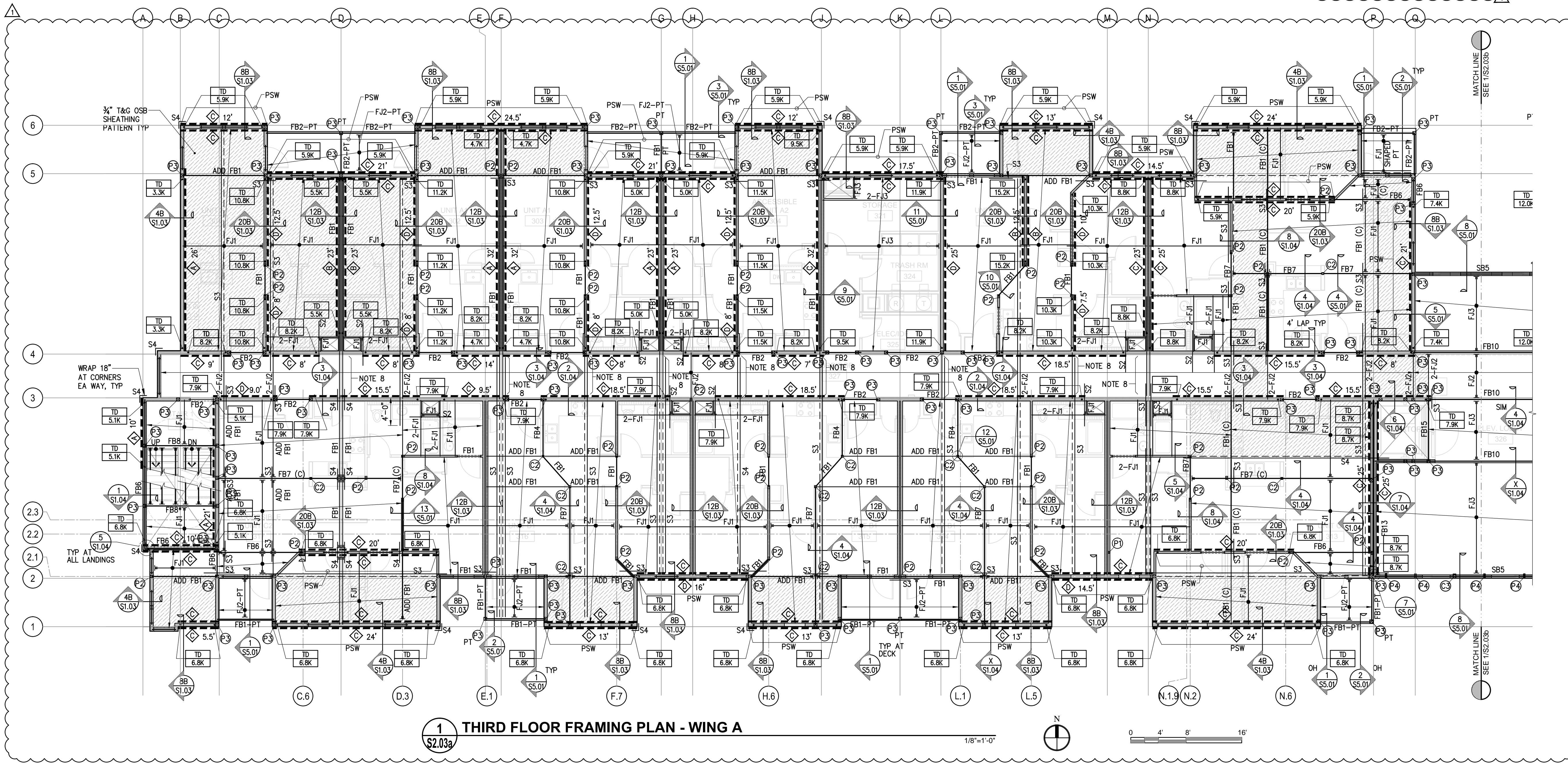
**SHEET NOTES**

- SEE GENERAL NOTES AND TYPICAL DETAILS ON S1.00 - S1.04 FOR INFORMATION NOT SHOWN HEREIN.
- POSTS SHOWN ON PLAN ARE IN ADDITION TO HOLDOWN POST REQUIRED FOR TIEDOWN SYSTEM.
- SEE WALL STUD SCHEDULE FOR STUD SIZES.
- SEE WALL SECTIONS & DETAILS FOR PSL & LSL MEMBERS AT BEARING & SHEAR WALLS.
- PROVIDE PLYWOOD EDGE NAILING AT COLLECTOR MEMBERS.
- ALL JOISTS OR COLLECTOR BEAMS ALIGNED WITH SHEAR WALLS RECEIVE 2 ROWS OF PLYWOOD EDGE NAILING.
- BLOCK AND STRAP OPENINGS AND DIAPHRAGM PER 18/S1.02.
- RIP MEMBER TO MATCH DEPTH TO MATCH ADJACENT FRMG MEMBERS ARE LOCATED AT MID LANDING

**LEGEND**

- PLYWOOD SHEAR WALL MARK ( $\frac{1}{2}$ " STRUCTURAL I RATED SHEATHING)
- # DENOTES MINIMUM LENGTH OF WALL (SAD FOR ACTUAL LENGTH)
- EXTEND SHEATHING AS NECESSARY OVER/UNDER OPENINGS TO ACHIEVE FLUSH FINISH FULL LENGTH OF WALL.
- OR DENOTES SHEATHING ON BOTH SIDES OF SHEAR WALL.
- INDICATES AB SPACING DIFFERS FROM SW SCHEDULE. SEE 12/S1.02.
- DENOTES MINIMUM NUMBER OF AB NEEDED ALONG SW LENGTH SPACING EQUALLY OVER WALL LENGTH - HOLDOWN POSTS.
- SIMPSON COMPANY ANCHOR TIEDOWN SYSTEM
- "T=XX" DENOTES CUMULATIVE TENSION FORCE (ALLOWABLE STRESS DESIGN. SEE 8/S1.04. SEE DET 15/S1.01 FOR ANCHORAGE TO CONC MAT)
- FJX\* OR FBX\* INDICATES FRAMING AT MID STAIR LANDING.
- FX - PT DENOTES PRESSURE TREATED
- (C) 4x (UON) COLLECTOR WITH 2 ROWS PLYWOOD EDGE NAILING
- DENOTES STRAP WITH 3x4 FLAT BLOCKING BELOW STRAP PER 17/S1.02.
- DENOTES DEPRESSED MAT SLAB W/ 4" CONC TOPPING.
- DENOTES BLOCKED DIAPHRAGM (PER DETAIL)
- DENOTES STRAP.
- PERFORATED SHEAR WALL SEE DETAIL XX/SX.XX
- DENOTES CORNER STRAP S4 W/ 2'-0" MIN END LENGTH
- DENOTE BRACED FRAME PER 5/S3.02

BEARING WALL STUD SCHEDULE UON ON PLANS						
LEVEL	MAXIMUM STUD HEIGHT	EXTERIOR WALL	INTERIOR WALL - SAD FOR WALL TYPE LOCATIONS			STAGGERED STUD ON 2x6 SOLE PLATE OR 3x6 SILL PLATE AT CORRIDOR
			SINGLE WALL	DOUBLE (EACH WALL)		
4TH FLOOR	9'-2"	2x6 @ 16" OC*	2x4 @ 16" OC	2x6 @ 16" OC	2x4 @ 16" OC	2x4 @ 16" OC
3RD FLOOR	8'-8"	2x6 @ 16" OC	2x4 @ 16" OC	2x6 @ 16" OC	2x4 @ 16" OC	3x4 @ 16" OC
2ND FLOOR	8'-8"	2x6 @ 16" OC	3x4 @ 16" OC	2x6 @ 16" OC	3x4 @ 16" OC	4x4 @ 16" OC
1ST FLOOR	12'-8"	3x6 @ 16" OC	3 $\frac{1}{2}$ "x3 $\frac{1}{2}$ " LVL @ 16" OC	3x6 @ 16" OC	3 $\frac{1}{2}$ "x3 $\frac{1}{2}$ " LVL @ 16" OC	3 $\frac{1}{2}$ "x3 $\frac{1}{2}$ " LVL @ 16" OC



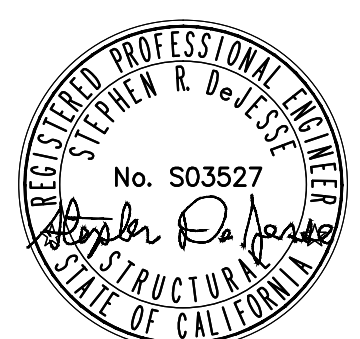
1 THIRD FLOOR FRAMING PLAN - WING A  
S2.03a

1/8"=1'-0"



0 4' 8' 16'

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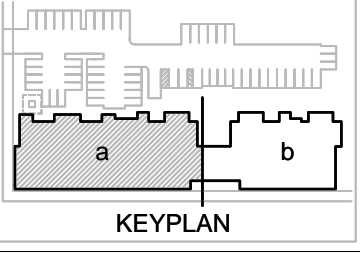


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RE-SUBMITTAL	4	

**INTERNATIONAL**  
9400 INTERNATIONAL BLVD  
OAKLAND, CA 94603

issue date 11/20/15  
scale AS INDICATED



drawn XG, AI  
checked JL

file name  
job number 201517.00

drawing  
THIRD FLOOR PLAN - WING A

sheet number

S2.03a

POST SCHEDULE		
MARK	POST SIZE	REMARKS
P1	4x4	
P2	4x6	
P3	6x6	
P4	2-2x8	
C1	HSS5x5x $\frac{3}{8}$	
C2	HSS3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x $\frac{3}{8}$	
C3	HSS7x5x $\frac{3}{8}$	
C4	W16x46	

STRAP SCHEDULE		
MARK	STRAP	MIN END L WHERE APPLIES
S1	MSTC40 STRAP	
S2	CMSTC16	4'-0" MIN
S3	CMST14-10d	4'-0" MIN
S4	CMST12-10d	4'-0" MIN

JOIST SCHEDULE		
MARK	BEAM SIZE & TYPE	HANGER (WHERE REQD)
FJ1	2x10 @ 16" OC	LUS/210
FJ2	2x8 @ 16" OC	LU26
FJ3	1 $\frac{3}{4}$ "x11 $\frac{7}{8}$ " LVL @ 16" OC	IUS1.81/11.88

WOOD BEAM SCHEDULE		
MARK	BEAM SIZE & TYPE	HANGER (WHERE REQD)
FB1	4x10	HUCQ410-SDS
FB2	6x8	HU68TF
FB3	6x10	
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FB6	5 $\frac{1}{2}$ "x9" GLM BM	HUCQ5.25/ 9-SDS
FB7	6 $\frac{1}{2}$ "x10 $\frac{1}{2}$ " GLM BM	HGU7.00-SDS
FB8	5 $\frac{1}{2}$ "x13 $\frac{1}{2}$ " GLM BM	HUCQ5.25/ 11-SDS
FB9	5 $\frac{1}{2}$ "x15" GLM BM	HUGS5.25/10
FB10	5 $\frac{1}{2}$ "x24" GLM BM	PER PLAN
FB11	6 $\frac{1}{2}$ "x18" GLM BM	HGU6.88/10
FB12	6 $\frac{1}{2}$ "x21" GLM BM	HGU7.00-SDS
FB13	8 $\frac{1}{2}$ "x33" GLM BM	PER PLAN
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FB15	3 $\frac{1}{2}$ "x11 $\frac{7}{8}$ "	PER PLAN
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FB17	5 $\frac{1}{2}$ "x12" GLM BM	PER PLAN

STEEL BEAM SCHEDULE		
MARK	BEAM SIZE & TYPE	REMARK
SB1	W6x20	
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SB3	W24x76	
SB4	W27x84	
SB5	HSS12x6x $\frac{3}{8}$	
SB6	W16x40	

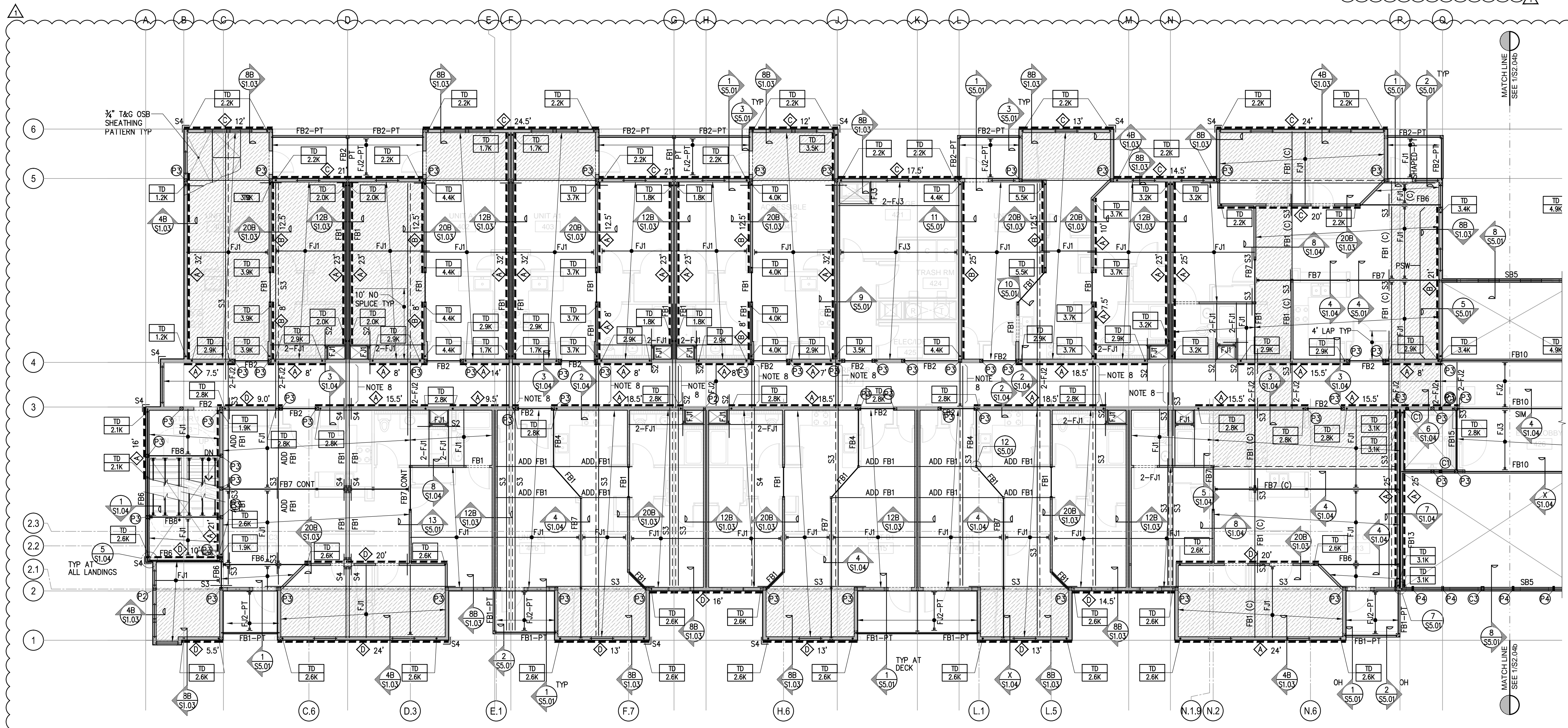
**SHEET NOTES**

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- BLOCK AND STRAP OPENINGS AND DIAPHRAGM PER 18/S1.02.
- RIP MEMBER TO MATCH DEPTH TO MATCH ADJACENT FRMG MEMBERS ARE LOCATED AT MID LANDING

**LEGEND**

- PLYWOOD SHEAR WALL MARK ( $\frac{1}{2}$ " STRUCTURAL I RATED SHEATHING)
- # DENOTES MINIMUM LENGTH OF WALL (SAD FOR ACTUAL LENGTH)
- EXTEND SHEATHING AS NECESSARY OVER/UNDER OPENINGS TO ACHIEVE FLUSH FINISH FULL LENGTH OF WALL.
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- DENOTES STRAP.
- PERFORATED SHEAR WALL SEE DETAIL XX/SX.XX
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- DENOTE BRACED FRAME PER 5/S3.02

BEARING WALL STUD SCHEDULE UON ON PLANS						
LEVEL	MAXIMUM STUD HEIGHT	EXTERIOR WALL	INTERIOR WALL - SAD FOR WALL TYPE LOCATIONS			STAGGERED STUD ON 2x6 SOLE PLATE OR 3x6 SILL PLATE AT CORRIDOR
			SINGLE WALL	DOUBLE (EACH WALL)		
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3RD FLOOR	8'-8"	2x6 @ 16" OC	2x4 @ 16" OC	2x6 @ 16" OC	2x4 @ 16" OC	3x4 @ 16" OC
2ND FLOOR	8'-8"	2x6 @ 16" OC	3x4 @ 16" OC	2x6 @ 16" OC	3x4 @ 16" OC	4x4 @ 16" OC
1ST FLOOR	12'-8"	3x6 @ 16" OC	3 $\frac{1}{2}$ "x3 $\frac{1}{2}$ " LVL @ 16" OC	3x6 @ 16" OC	3 $\frac{1}{2}$ "x3 $\frac{1}{2}$ " LVL @ 16" OC	3 $\frac{1}{2}$ "x3 $\frac{1}{2}$ " LVL @ 16" OC



1 FOURTH FLOOR FRAMING PLAN - WING A

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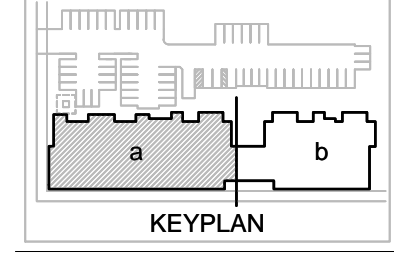


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issue date 11/20/15  
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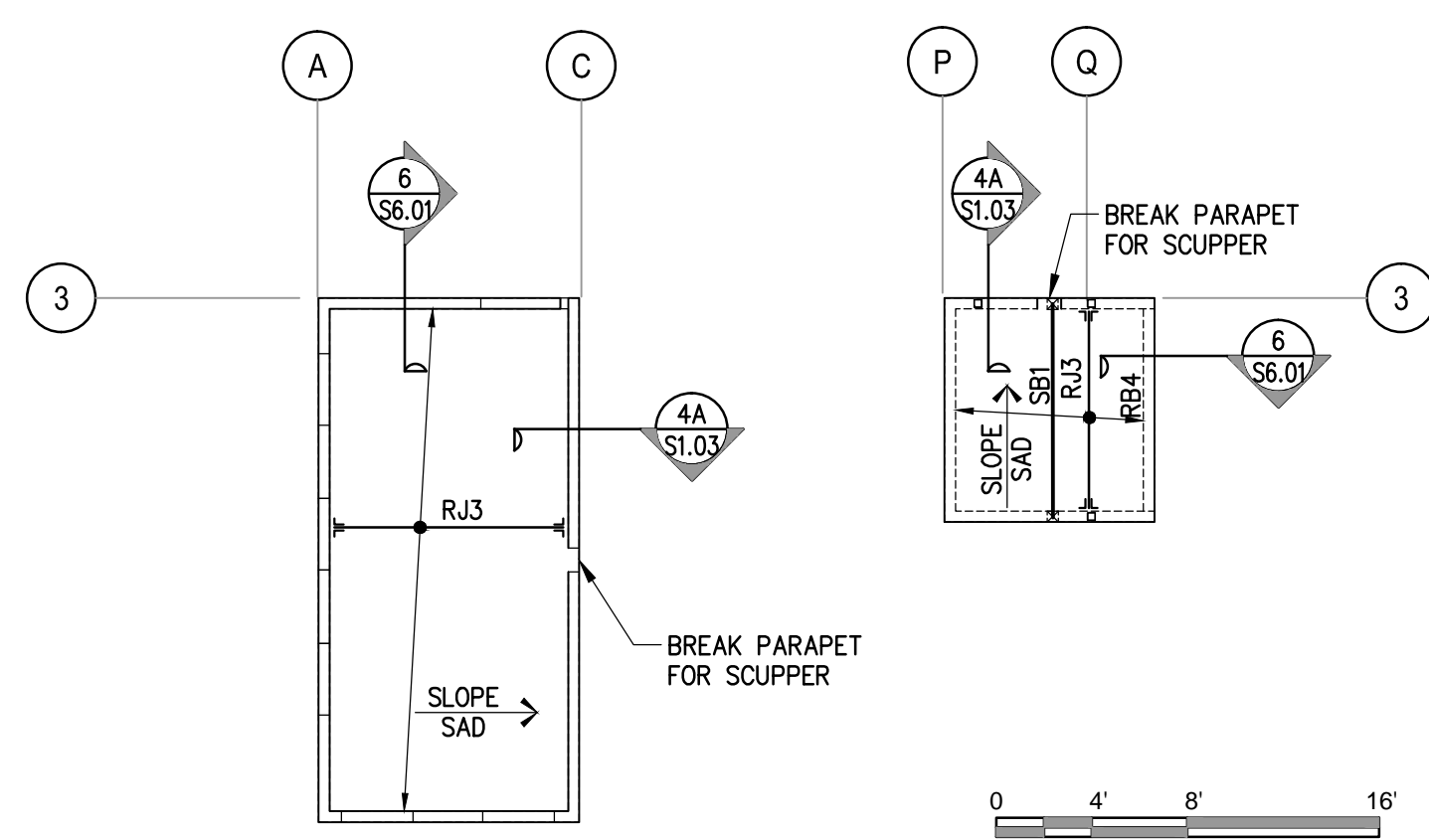
drawn XG, AI  
 checked JL

file name  
 job number 201517.00

drawing **FOURTH FLOOR PLAN - WING A**

sheet number

**S2.04a**



**2**  
S2.05a  
**ELEVATOR & STAIR WELL  
OVER RUN FRAMING PLANS**  
1/8"=1'-0"

POST SCHEDULE		
MARK	POST SIZE	REMARKS
P1	4x4	
P2	4x6	
P3	6x6	
P4	2-2x8	
C1	HSS5x5x3/8	
C2	HSS3 1/2 x 3 1/2 x 3/8	
C3	HSS7x5x3/8	
C4	W16x46	

STRAP SCHEDULE		
MARK	STRAP	MIN END L WHERE APPLIES
S1	MSTC40 STRAP	
S2	CMSTC16	4'-0" MIN
S3	CMST14-10d	4'-0" MIN
S4	CMST12-10d	4'-0" MIN

STRAP SCHEDULE		
MARK	STRAP	MIN END L WHERE APPLIES
S1	MSTC40 STRAP	
S2	CMSTC16	4'-0" MIN
S3	CMST14-10d	4'-0" MIN
S4	CMST12-10d	4'-0" MIN

ROOF JOIST AND BEAM SCHEDULE		
MARK	BEAM SIZE & TYPE	HANGER (WHERE REQ'D)
RJ1	TAPERED TJ @ 24" OC 12" MIN AT BEARING AS NOTED	MIU2.56
RJ2	2x12 @ 24" OC	U210
RJ3	2x10 @ 24" OC	U210
RJ4	2x10 @ 16" OC	U210
RJ5	2x6 @ 24" OC	LU26
RB1	1 3/4" x 9 1/2" LVL	HU9
RB2	1 3/4" x 11 1/4" LVL	HU11
RB3	3 1/2" x 11 1/4" PSL	HHUS410
RB4	5 1/4" x 9 1/2" PSL	HGUS5.50/10
RB5	5 1/4" x 11 1/8" PSL	HHUS5.50/10
RB6	5 1/4" x 16" PSL	HHUS7.25/10
RB7	7" x 9 1/2" PSL	HHUS7.25/10
RH1	5 1/4" x 9 1/2" PSL	HHUS5.50/10
RH2	5 1/4" x 11 1/8" PSL	HUGS5.50/12

- SHEET NOTES**
- SEE GENERAL NOTES AND TYPICAL DETAILS ON S1.00 - S1.06 FOR INFORMATION NOT SHOWN HEREIN.
  - POSTS SHOWN ON PLAN ARE IN ADDITION TO HOLDDOWN POST REQUIRED FOR TIEDOWN SYSTEM.
  - SEE WALL STUD SCHEDULE FOR STUD SIZES.
  - SEE WALL SECTIONS & DETAILS FOR PSL & LSL MEMBERS AT BEARING & SHEAR WALLS.
  - PROVIDE PLYWOOD EDGE NAILING AT COLLECTOR MEMBERS.
  - ALL JOISTS OR COLLECTOR BEAMS ALIGNED WITH SHEAR WALLS RECEIVE 2 ROWS OF PLYWOOD EDGE NAILING.
  - BLOCK AND STRAP OPENINGS AND DIAPHRAGM PER 18/S1.02.
  - MECH UNITS WEIGHING LESS THAN 100# ARE NOT SHOWN.
  - SOLAR TANK WEIGHT WAS NOT AVAILABLE. CONTRACTOR TO LIMIT WEIGHT OF TANK AND CONTENTS TO 1000 POUNDS MAXIMUM.
- LEGEND**
- (C) 3 1/2" LSL (UON) COLLECTOR WITH 2 ROWS PLYWOOD EDGE NAILING
  - DENOTES STRAP WITH 3x4 FLAT BLOCKING BELOW STRAP PER 17/S1.02.
  - ▨ DENOTES BLOCKED DIAPHRAGM.

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fax: (415)957-2780

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STEPHEN R. DEJESU  
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DAVID A. HART  
REGISTERED PROFESSIONAL ARCHITECT  
STATE OF CALIFORNIA

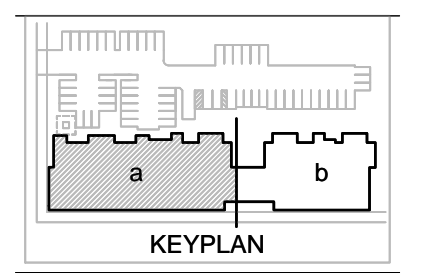
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revisions

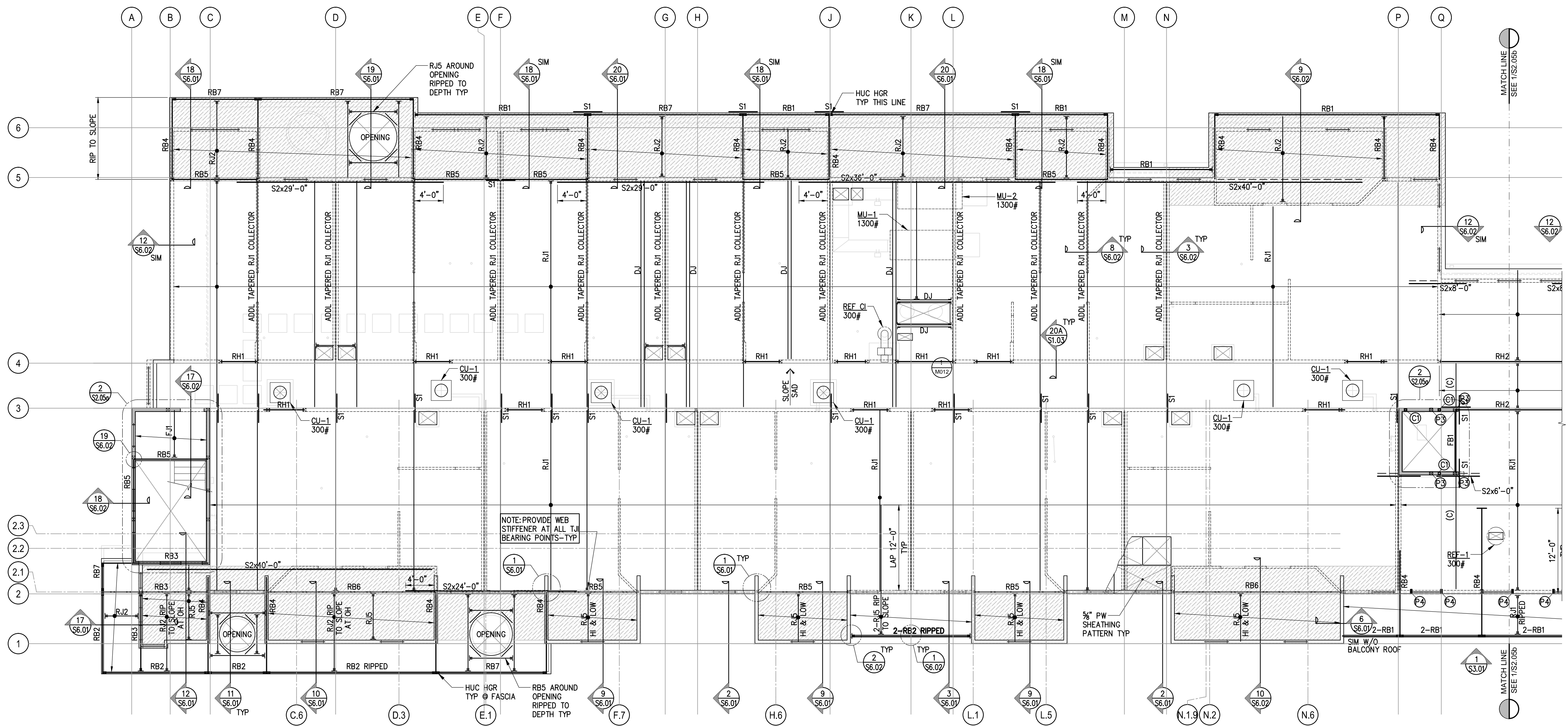
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drawn XG, AI  
checked JL  
file name  
job number 201517.00  
drawing ROOF FRAMING PLAN - WING A  
sheet number



**1**  
S2.05a  
**ROOF FRAMING PLAN - WING A**  
1/8"=1'-0"

**S2.05a**

POST SCHEDULE		
MARK	POST SIZE	REMARKS
P1	4x4	
P2	4x6	
P3	6x6	
P4	2-2x8	
C1	HSS5x5x $\frac{3}{8}$	
C2	HSS3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x $\frac{3}{8}$	
C3	HSS7x5x $\frac{3}{8}$	
C4	W16x46	

STRAP SCHEDULE		
MARK	STRAP	MIN END L WHERE APPLIES
S1	MSTC40 STRAP	
S2	CMSTC16	4'-0" MIN
S3	CMST14-10d	4'-0" MIN
S4	CMST12-10d	4'-0" MIN

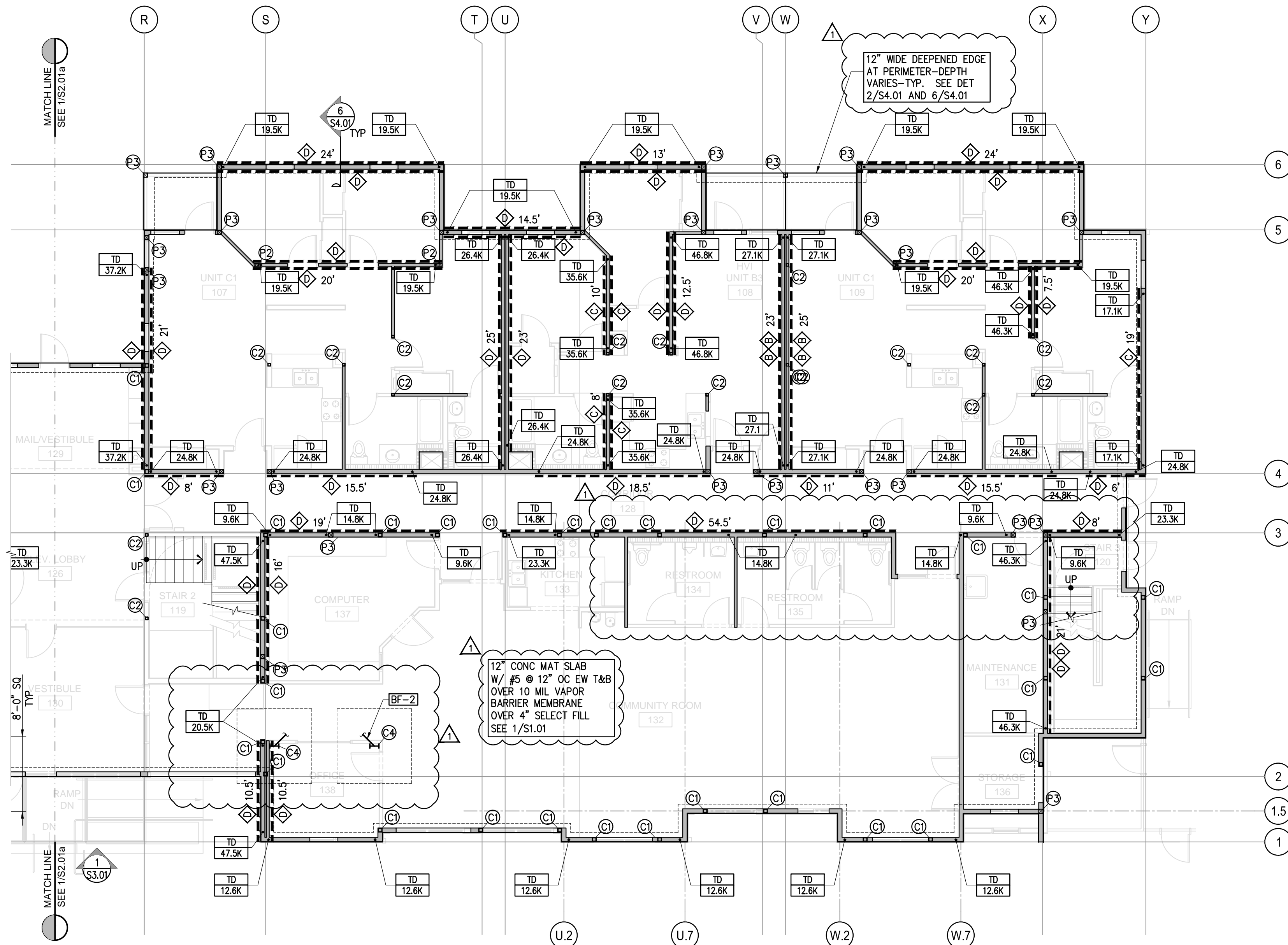
**SHEET NOTES**

- SEE GENERAL NOTES AND TYPICAL DETAILS ON S1.00 - S1.04 FOR INFORMATION NOT SHOWN HEREIN.
- POSTS SHOWN ON PLAN ARE IN ADDITION TO HOLDOWN POST REQUIRED FOR TIEDOWN SYSTEM.
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- BLOCK AND STRAP OPENINGS AND DIAPHRAGM PER 18/S1.02.
- RIP MEMBER TO MATCH DEPTH TO MATCH ADJACENT FRMG MEMBERS ARE LOCATED AT MID LANDING

**LEGEND**

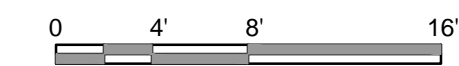
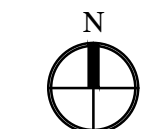
- PLYWOOD SHEAR WALL MARK ( $\frac{1}{2}$ " STRUCTURAL I RATED SHEATHING) # DENOTES MINIMUM LENGTH OF WALL (SAD FOR ACTUAL LENGTH) EXTEND SHEATHING AS NECESSARY OVER/UNDER OPENINGS TO ACHIEVE FLUSH FINISH FULL LENGTH OF WALL.
- OR DENOTES SHEATHING ON BOTH SIDES OF SHEAR WALL.
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- FJX\* OR FBX\* INDICATES FRAMING AT MID STAIR LANDING.
- FX - PT DENOTES PRESSURE TREATED
- (C) 4x (UON) COLLECTOR WITH 2 ROWS PLYWOOD EDGE NAILING
- DENOTES STRAP WITH 3x4 FLAT BLOCKING BELOW STRAP PER 17/S1.02.
- DENOTES DEPRESSED MAT SLAB W/ 4" CONC TOPPING.
- DENOTES BLOCKED DIAPHRAGM (PER DETAIL.)
- DENOTES STRAP.
- PERFORATED SHEAR WALL SEE DETAIL XX/SX.XX
- DENOTES CORNER STRAP S4 W/ 2'-0" MIN END LENGTH
- DENOTE BRACED FRAME PER 5/S3.02

BEARING WALL STUD SCHEDULE UON ON PLANS						
LEVEL	MAXIMUM STUD HEIGHT	EXTERIOR WALL	INTERIOR WALL-SAD FOR WALL TYPE LOCATIONS			STAGGERED STUD ON 2x6 SOLE PLATE OR 3x6 SILL PLATE AT CORRIDOR
			SINGLE WALL	DOUBLE (EACH WALL)		
4TH FLOOR	9'-2"	2x6 @ 16" OC*	2x4 @ 16" OC	2x6 @ 16" OC	2x4 @ 16" OC	2x4 @ 16" OC
3RD FLOOR	8'-8"	2x6 @ 16" OC	2x4 @ 16" OC	2x6 @ 16" OC	2x4 @ 16" OC	3x4 @ 16" OC
2ND FLOOR	8'-8"	2x6 @ 16" OC	3x4 @ 16" OC	2x6 @ 16" OC	3x4 @ 16" OC	4x4 @ 16" OC
1ST FLOOR	12'-8"	3x6 @ 16" OC	3 $\frac{1}{2}$ x3 $\frac{1}{2}$ LVL @ 16" OC	3x6 @ 16" OC	3 $\frac{1}{2}$ x3 $\frac{1}{2}$ LVL @ 16" OC	3 $\frac{1}{2}$ x3 $\frac{1}{2}$ LVL @ 16" OC



**1 FIRST FLOOR / FOUNDATION PLAN - WING B**  
 S2.01b T.O. MAT SLAB = DATUM = 0'-0" UON THUS [X'-X"]

1/8"=1'-0"



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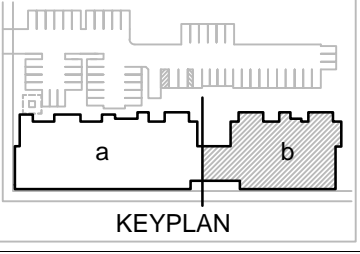


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 OAKLAND, CA 94603

issue date 11/20/15  
 scale AS INDICATED



drawn XG, AI  
 checked JL  
 file name  
 job number 201517.00  
 drawing FIRST FLOOR FOUNDATION PLAN - WING B  
 sheet number

**S2.01b**

POST SCHEDULE		
MARK	POST SIZE	REMARKS
P1	4x4	
P2	4x6	
P3	6x6	
P4	2-2x8	
C1	HSS5x5x $\frac{3}{8}$	
C2	HSS3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x $\frac{3}{16}$	
C3	HSS7x5x $\frac{3}{8}$	
C4	W16x46	

STRAP SCHEDULE		
MARK	STRAP	MIN END L WHERE APPLIES
S1	MSTC40 STRAP	
S2	CMSTC16	4'-0" MIN
S3	CMST14-10d	4'-0" MIN
S4	CMST12-10d	4'-0" MIN

JOIST SCHEDULE		
MARK	BEAM SIZE & TYPE	HANGER (WHERE REQD)
FJ1	2x10 @ 16" OC	LUS/210
FJ2	2x8 @ 16" OC	LU26
FJ3	1 $\frac{3}{4}$ "x11 $\frac{1}{2}$ " LVL @ 16" OC	IUS1.81/11.88

WOOD BEAM SCHEDULE		
MARK	BEAM SIZE & TYPE	HANGER (WHERE REQD)
FB1	4x10	HUCQ410-SDS
FB2	6x8	HU68TF
FB3	6x10	
FB4	3 $\frac{1}{2}$ "x9" GLM BM	HUCQ210 2-SDS
FB5	3 $\frac{1}{2}$ "x13 $\frac{1}{2}$ " GLM BM	HUCQ5.25/ 9-SDS
FB6	5 $\frac{1}{2}$ "x9" GLM BM	HUCQ5.25/ 11-SDS
FB7	6 $\frac{1}{2}$ "x10 $\frac{1}{2}$ " GLM BM	HGU7.00-SDS
FB8	5 $\frac{1}{2}$ "x13 $\frac{1}{2}$ " GLM BM	HUCQ5.25/ 11-SDS
FB9	5 $\frac{1}{2}$ "x15" GLM BM	HUG5.25/10
FB10	5 $\frac{1}{2}$ "x24" GLM BM	PER PLAN
FB11	6 $\frac{1}{2}$ "x18" GLM BM	HGUS6.88/10
FB12	6 $\frac{1}{2}$ "x21" GLM BM	HGU7.00-SDS
FB13	8 $\frac{1}{2}$ "x33" GLM BM	PER PLAN
FB14	8 $\frac{1}{2}$ "x21" GLM BM	HGQU9.00-SDS
FB15	3 $\frac{1}{2}$ "x11 $\frac{1}{2}$ "	PER PLAN
FB16	6 $\frac{1}{2}$ "x24" GLM BM	PER PLAN
FB17	5 $\frac{1}{2}$ "x12" GLM BM	PER PLAN

STEEL BEAM SCHEDULE		
MARK	BEAM SIZE & TYPE	REMARK
SB1	W6x20	
SB2	W12x16	
SB3	W24x76	
SB4	W27x84	
SB5	HSS12x6x $\frac{3}{8}$	
SB6	W16x40	

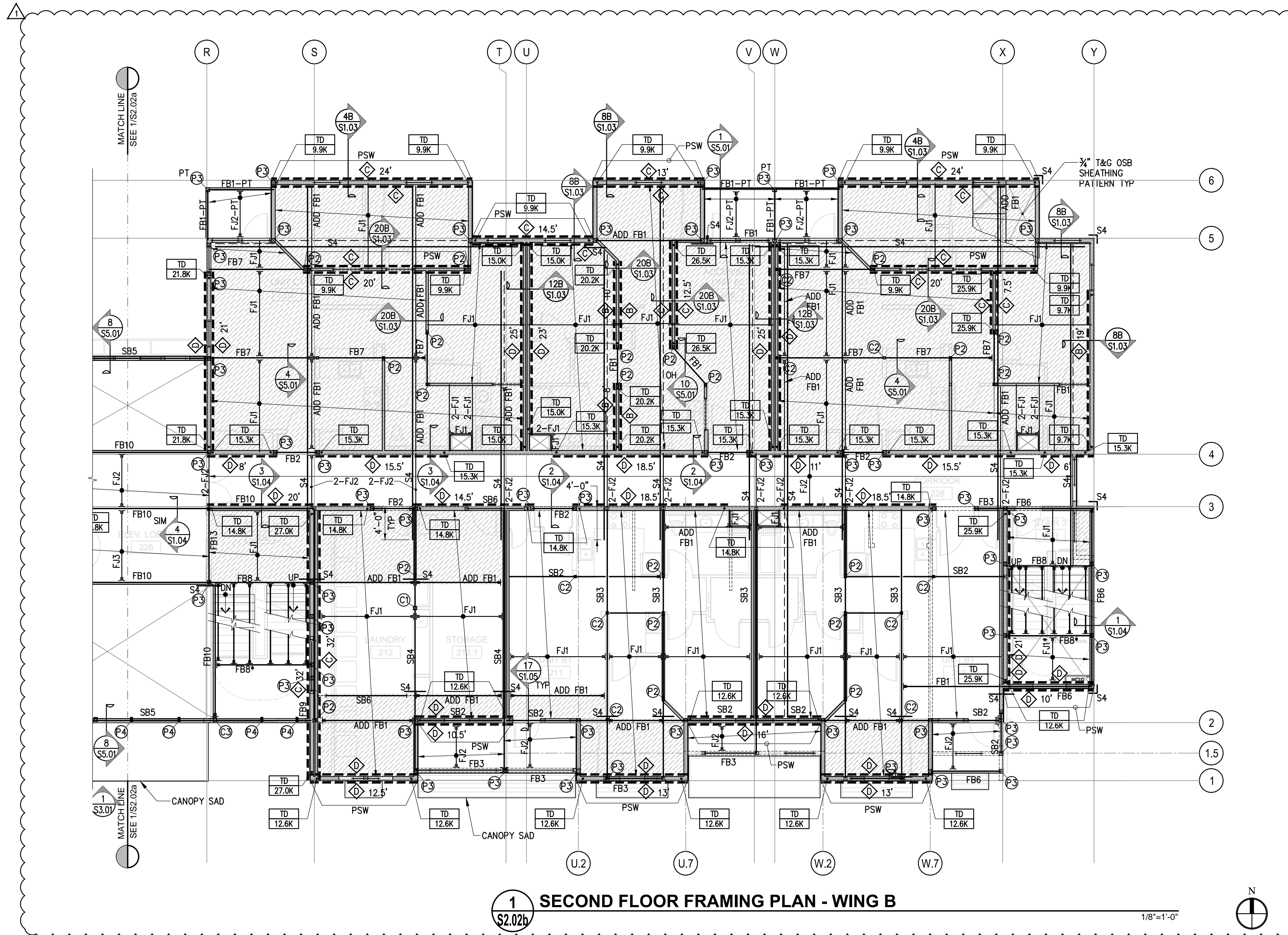
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- PROVIDE PLYWOOD EDGE NAILING AT COLLECTOR MEMBERS.
- ALL JOISTS OR COLLECTOR BEAMS ALIGNED WITH SHEAR WALLS RECEIVE 2 ROWS OF PLYWOOD EDGE NAILING.
- BLOCK AND STRAP OPENINGS AND DIAPHRAGM PER 18/S1.02.
- RIP MEMBER TO MATCH DEPTH TO MATCH ADJACENT FRMG MEMBERS ARE LOCATED AT MID LANDING

**LEGEND**

- PLYWOOD SHEAR WALL MARK ( $\frac{1}{2}$ " STRUCTURAL I RATED SHEATHING) # DENOTES MINIMUM LENGTH OF WALL (SAD FOR ACTUAL LENGTH) EXTEND SHEATHING AS NECESSARY OVER/UNDER OPENINGS TO ACHIEVE FLUSH FINISH FULL LENGTH OF WALL.
- OR DENOTES SHEATHING ON BOTH SIDES OF SHEAR WALL.
- INDICATES AB SPACING DIFFERS FROM SW SCHEDULE. SEE 12/S1.02. DENOTES MINIMUM NUMBER OF AB NEEDED ALONG SW LENGTH SPACING EQUALLY OVER WALL LENGTH - HOLDOWN POSTS.
- SIMPSON COMPANY ANCHOR TIEDOWN SYSTEM "T=XX" DENOTES CUMULATIVE TENSION FORCE (ALLOWABLE STRESS DESIGN. SEE 8/S1.04. SEE DET 15/S1.01 FOR ANCHORAGE TO CONC MAT
- FJX\* OR FBX\* INDICATES FRAMING AT MID STAIR LANDING.
- FX - PT DENOTES PRESSURE TREATED
- (C) 4x (UON) COLLECTOR WITH 2 ROWS PLYWOOD EDGE NAILING
- DENOTES STRAP WITH 3x4 FLAT BLOCKING BELOW STRAP PER 17/S1.02.
- DENOTES DEPRESSED MAT SLAB W/ 4" CONC TOPPING.
- DENOTES BLOCKED DIAPHRAGM (PER DETAIL).
- DENOTES STRAP.
- PERFORATED SHEAR WALL SEE DETAIL XX/SX.XX
- DENOTES CORNER STRAP S4 W/ 2'-0" MIN END LENGTH
- DENOTE BRACED FRAME PER 5/S3.02

BEARING WALL STUD SCHEDULE UON ON PLANS						
LEVEL	MAXIMUM STUD HEIGHT	EXTERIOR WALL	INTERIOR WALL-SAD FOR WALL TYPE LOCATIONS			
			SINGLE WALL	DOUBLE (EACH WALL)	STAGGERED STUD ON 2x6 SOLE PLATE OR 3x6 SILL PLATE AT CORRIDOR	
4TH FLOOR	9'-2"	2x6 @ 16" OC*	2x4 @ 16" OC	2x6 @ 16" OC	2x4 @ 16" OC	2x4 @ 16" OC
3RD FLOOR	8'-8"	2x6 @ 16" OC	2x4 @ 16" OC	2x6 @ 16" OC	2x4 @ 16" OC	3x4 @ 16" OC
2ND FLOOR	8'-8"	2x6 @ 16" OC	3x4 @ 16" OC	2x6 @ 16" OC	3x4 @ 16" OC	4x4 @ 16" OC
1ST FLOOR	12'-8"	3x6 @ 16" OC	3 $\frac{1}{2}$ "x3 $\frac{1}{2}$ " LVL @ 16" OC	3x6 @ 16" OC	3 $\frac{1}{2}$ "x3 $\frac{1}{2}$ " LVL @ 16" OC	3 $\frac{1}{2}$ "x3 $\frac{1}{2}$ " LVL @ 16" OC



1 SECOND FLOOR FRAMING PLAN - WING B  
S2.02b

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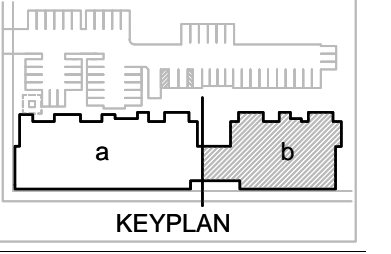


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checked JL  
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drawing SECOND FLOOR PLAN - WING B  
sheet number

**S2.02b**

POST SCHEDULE		
MARK	POST SIZE	REMARKS
P1	4x4	
P2	4x6	
P3	6x6	
P4	2-2x8	
C1	HSS5x5x $\frac{3}{8}$	
C2	HSS3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x $\frac{3}{16}$	
C3	HSS7x5x $\frac{3}{8}$	
C4	W16x46	

STRAP SCHEDULE		
MARK	STRAP	MIN END L WHERE APPLIES
S1	MSTC40 STRAP	
S2	CMSTC16	4'-0" MIN
S3	CMST14-10d	4'-0" MIN
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JOIST SCHEDULE		
MARK	BEAM SIZE & TYPE	HANGER (WHERE REQD)
FJ1	2x10 @ 16" OC	LUS/210
FJ2	2x8 @ 16" OC	LU26
FJ3	1 $\frac{3}{4}$ "x11 $\frac{1}{8}$ " LVL @ 16" OC	IUS1.81/11.88

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MARK	BEAM SIZE & TYPE	HANGER (WHERE REQD)
FB1	4x10	HUCQ410-SDS
FB2	6x8	HU68TF
FB3	6x10	
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FB6	5 $\frac{1}{2}$ "x9" GLM BM	HUCQ5.25/ 9-SDS
FB7	6 $\frac{1}{2}$ "x10 $\frac{1}{2}$ " GLM BM	HGU7.00-SDS
FB8	5 $\frac{1}{2}$ "x13 $\frac{1}{2}$ " GLM BM	HUCQ5.25/ 11-SDS
FB9	5 $\frac{1}{2}$ "x15" GLM BM	HUGS5.25/10
FB10	5 $\frac{1}{2}$ "x24" GLM BM	PER PLAN
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FB17	5 $\frac{1}{2}$ "x12" GLM BM	PER PLAN

STEEL BEAM SCHEDULE		
MARK	BEAM SIZE & TYPE	REMARK
SB1	W6x20	
SB2	W12x16	
SB3	W24x76	
SB4	W27x84	
SB5	HSS12x6x $\frac{3}{8}$	
SB6	W16x40	

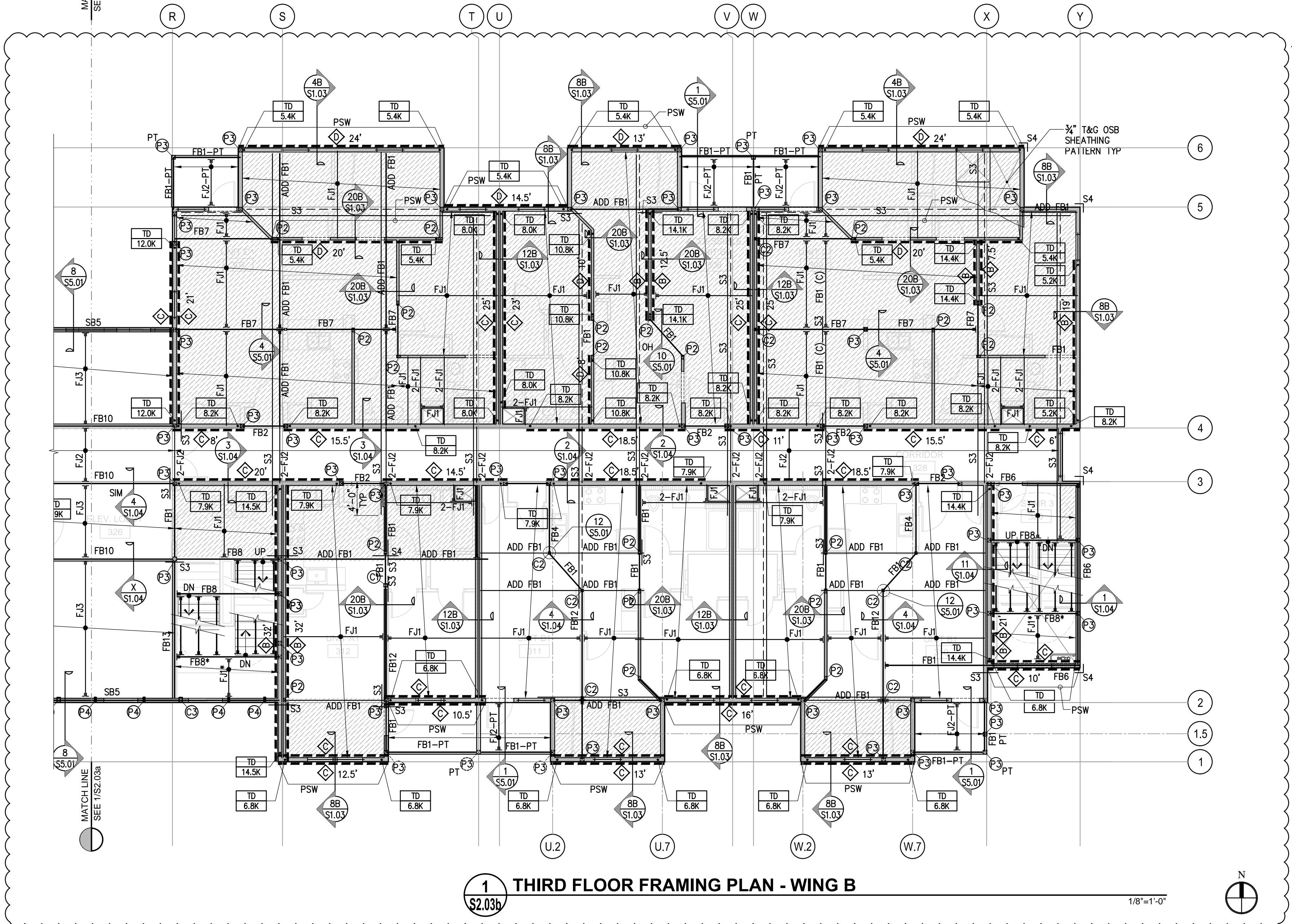
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**LEGEND**

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BEARING WALL STUD SCHEDULE UON ON PLANS						
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1ST FLOOR	12'-8"	3x6 @ 16" OC	3 $\frac{1}{2}$ "x3 $\frac{1}{2}$ " LVL @ 16" OC	3x6 @ 16" OC	3 $\frac{1}{2}$ "x3 $\frac{1}{2}$ " LVL @ 16" OC	3 $\frac{1}{2}$ "x3 $\frac{1}{2}$ " LVL @ 16" OC



1 THIRD FLOOR FRAMING PLAN - WING B  
S2.03b

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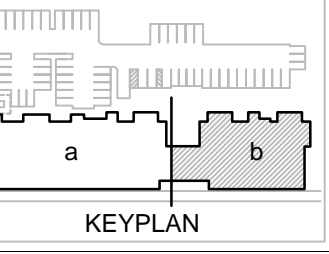


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file name  
job number 201517.00

drawing  
THIRD FLOOR PLAN - WING B

sheet number

**S2.03b**

POST SCHEDULE		
MARK	POST SIZE	REMARKS
P1	4x4	
P2	4x6	
P3	6x6	
P4	2-2x8	
C1	HSS5x5x $\frac{3}{8}$	
C2	HSS3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x $\frac{3}{16}$	
C3	HSS7x5x $\frac{3}{8}$	
C4	W16x46	

STRAP SCHEDULE		
MARK	STRAP	MIN END L WHERE APPLIES
S1	MSTC40 STRAP	
S2	CMSTC16	4'-0" MIN
S3	CMST14-10d	4'-0" MIN
S4	CMST12-10d	4'-0" MIN

JOIST SCHEDULE		
MARK	BEAM SIZE & TYPE	HANGER (WHERE REQD)
FJ1	2x10 @ 16" OC	LUS/210
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FB6	5 $\frac{1}{2}$ "x9" GLM BM	HUCQ5.25/11-SDS
FB7	6 $\frac{1}{2}$ "x10 $\frac{1}{2}$ " GLM BM	HGU7.00-SDS
FB8	5 $\frac{1}{2}$ "x13 $\frac{1}{2}$ " GLM BM	HUCQ5.25/11-SDS
FB9	5 $\frac{1}{2}$ "x15" GLM BM	HUGS5.25/10
FB10	5 $\frac{1}{2}$ "x24" GLM BM	PER PLAN
FB11	6 $\frac{1}{2}$ "x18" GLM BM	HGUS6.88/10
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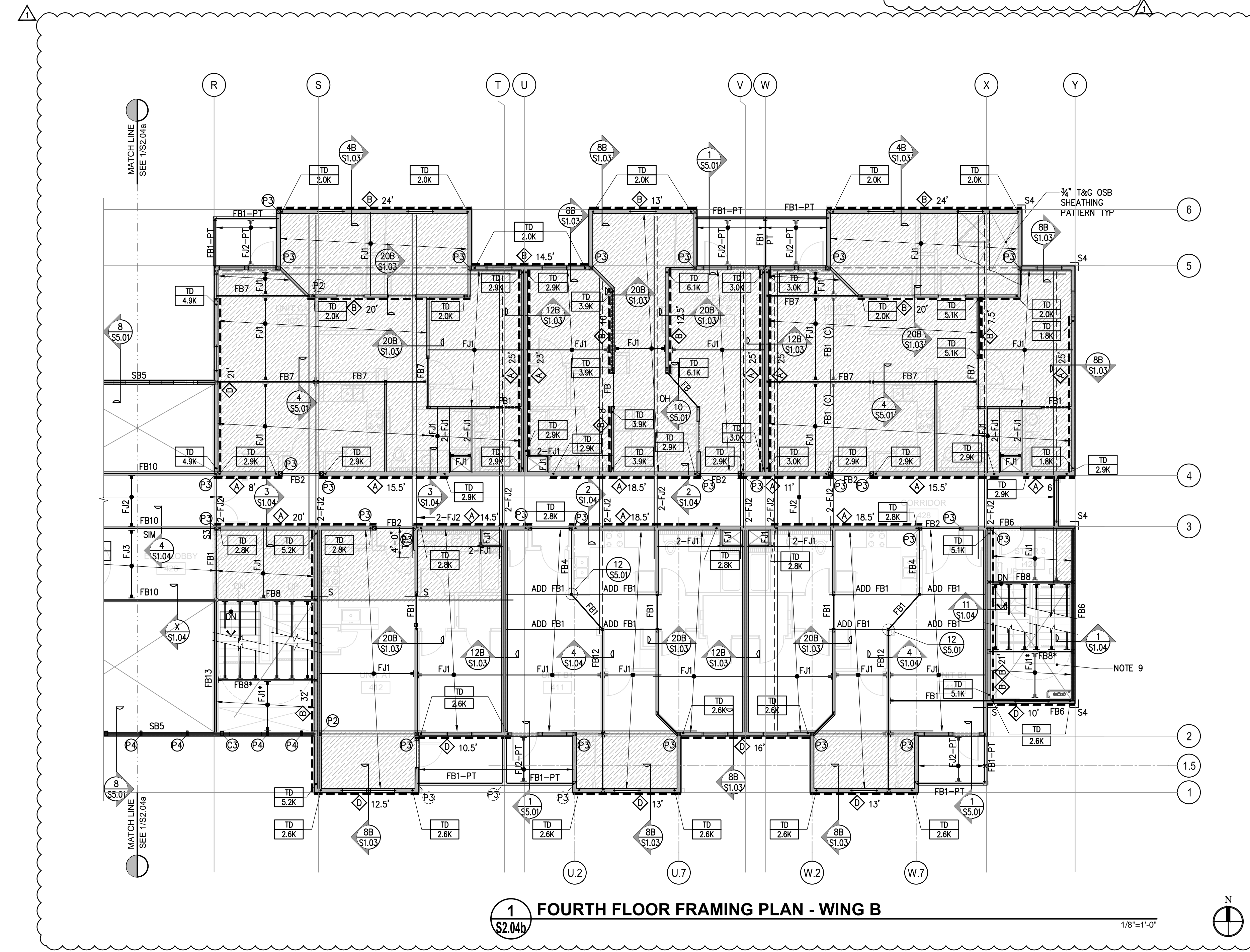
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**LEGEND**

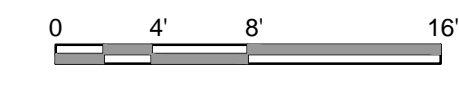
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- DENOTES STRAP.
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BEARING WALL STUD SCHEDULE UON ON PLANS						
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**1 FOURTH FLOOR FRAMING PLAN - WING B**

1/8"=1'-0"



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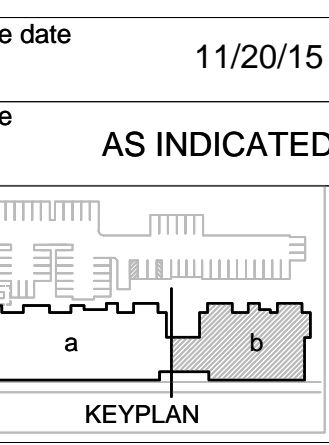
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drawing	FOURTH FLOOR PLAN - WING B
sheet number	

**S2.04b**



POST SCHEDULE		
MARK	POST SIZE	REMARKS
P1	4x4	
P2	4x6	
P3	6x6	
P4	2-2x8	
C1	HSS5x5x $\frac{3}{8}$	
C2	HSS3 $\frac{1}{2}$ x3 $\frac{1}{2}$ x $\frac{5}{16}$	
C3	HSS7x5x $\frac{3}{8}$	
C4	W16x46	

STRAP SCHEDULE		
MARK	STRAP	MIN END L WHERE APPLIES
S1	MSTC40 STRAP	
S2	CMSTC16	4'-0" MIN
S3	CMST14-10d	4'-0" MIN
S4	CMST12-10d	4'-0" MIN

STRAP SCHEDULE		
MARK	STRAP	MIN END L WHERE APPLIES
S1	MSTC40 STRAP	
S2	CMSTC16	4'-0" MIN
S3	CMST14-10d	4'-0" MIN
S4	CMST12-10d	4'-0" MIN

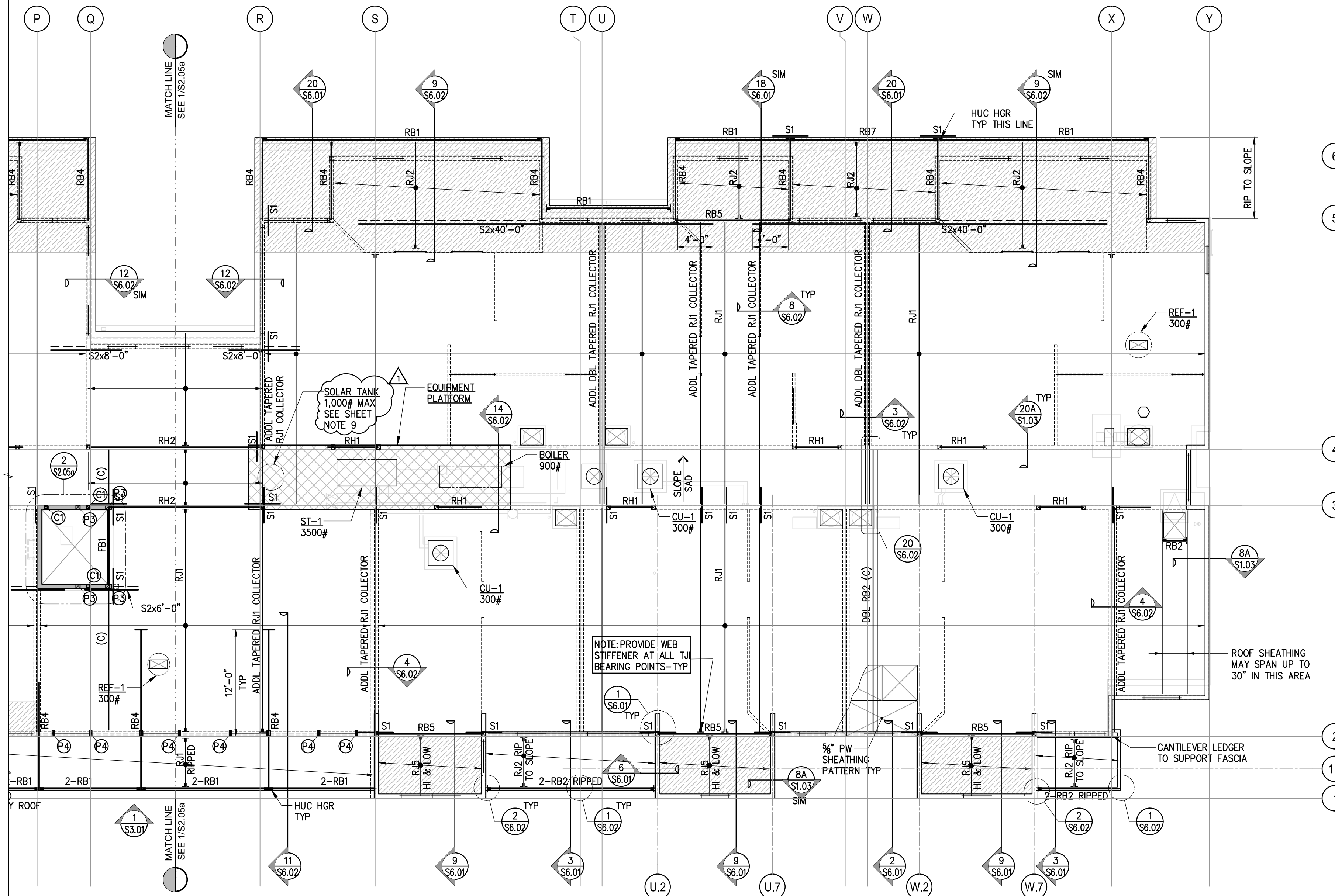
ROOF JOIST AND BEAM SCHEDULE		
MARK	BEAM SIZE & TYPE	HANGER (WHERE REQD)
RJ1	TAPERED TJ @ 24" OC 12" MIN AT BEARING AS NOTED	MIU2.56
RJ2	2x12 @ 24" OC	U210
RJ3	2x10 @ 24" OC	U210
RJ4	2x10 @ 16" OC	U210
RJ5	2x6 @ 24" OC	LU26
RB1	1 $\frac{1}{2}$ "x9 $\frac{1}{2}$ " LVL	HU9
RB2	1 $\frac{1}{4}$ "x11 $\frac{1}{4}$ " LVL	HU11
RB3	3 $\frac{1}{2}$ "x11 $\frac{1}{4}$ " PSL	HHUS410
RB4	5 $\frac{1}{4}$ "x9 $\frac{1}{2}$ " PSL	HGUS5.50/10
RB5	5 $\frac{1}{4}$ "x11 $\frac{1}{8}$ " PSL	HHUS5.50/10
RB6	5 $\frac{1}{4}$ "x16" PSL	HHUS7.25/10
RB7	7"x9 $\frac{1}{2}$ " PSL	HHUS7.25/10
RH1	5 $\frac{1}{4}$ "x9 $\frac{1}{2}$ " PSL	HHUS5.50/10
RH2	5 $\frac{1}{4}$ "x11 $\frac{1}{8}$ " PSL	HUGS5.50/12

**SHEET NOTES**

- SEE GENERAL NOTES AND TYPICAL DETAILS ON S1.00 - S1.06 FOR INFORMATION NOT SHOWN HEREIN.
- POSTS SHOWN ON PLAN ARE IN ADDITION TO HOLDOWN POST REQUIRED FOR TIEDOWN SYSTEM.
- SEE WALL STUD SCHEDULE FOR STUD SIZES.
- SEE WALL SECTIONS & DETAILS FOR PSL & LSL MEMBERS AT BEARING & SHEAR WALLS.
- PROVIDE PLYWOOD EDGE NAILING AT COLLECTOR MEMBERS.
- ALL JOISTS OR COLLECTOR BEAMS ALIGNED WITH SHEAR WALLS RECEIVE 2 ROWS OF PLYWOOD EDGE NAILING.
- BLOCK AND STRAP OPENINGS AND DIAPHRAGM PER 18/S1.02.
- MECH UNITS WEIGHING LESS THAN 100# ARE NOT SHOWN.
- SOLAR TANK WEIGHT WAS NOT AVAILABLE. CONTRACTOR TO LIMIT WEIGHT OF TANK AND CONTENTS TO 1000 POUNDS MAXIMUM.

**LEGEND**

- (C) 3 $\frac{1}{2}$ " LSL (UON) COLLECTOR WITH 2 ROWS PLYWOOD EDGE NAILING
- DENOTES STRAP WITH 3x4 FLAT BLOCKING BELOW STRAP PER 17/S1.02.
- ▨ DENOTES BLOCKED DIAPHRAGM.



**1 ROOF FRAMING PLAN - WING B**

1/8"=1'-0"



0 4' 8' 16'



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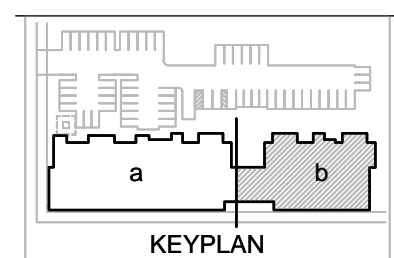
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checked JL

file name

job number 201517.00

drawing

ROOF FRAMING PLAN - WING B

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**S2.05b**



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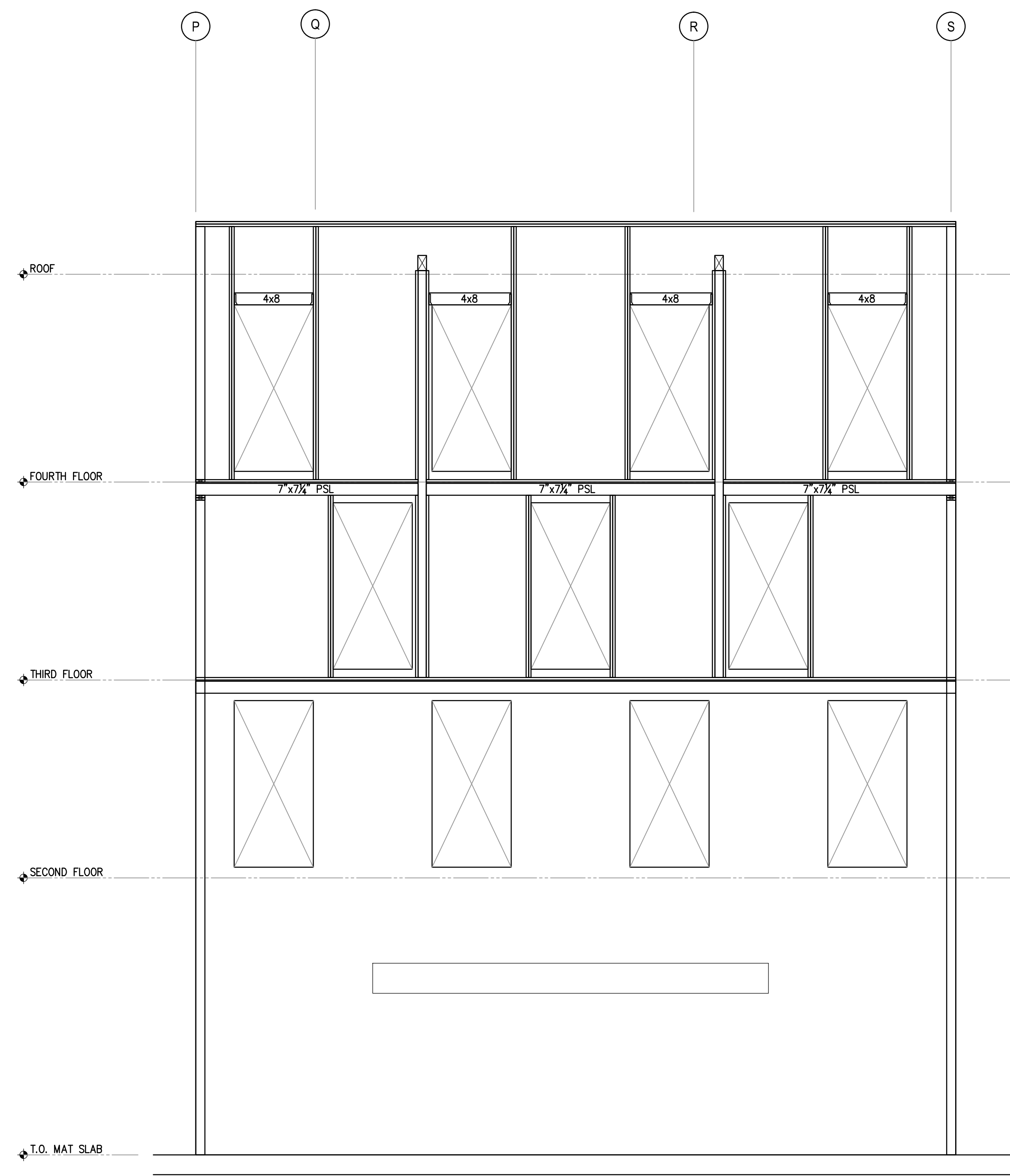
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file name  
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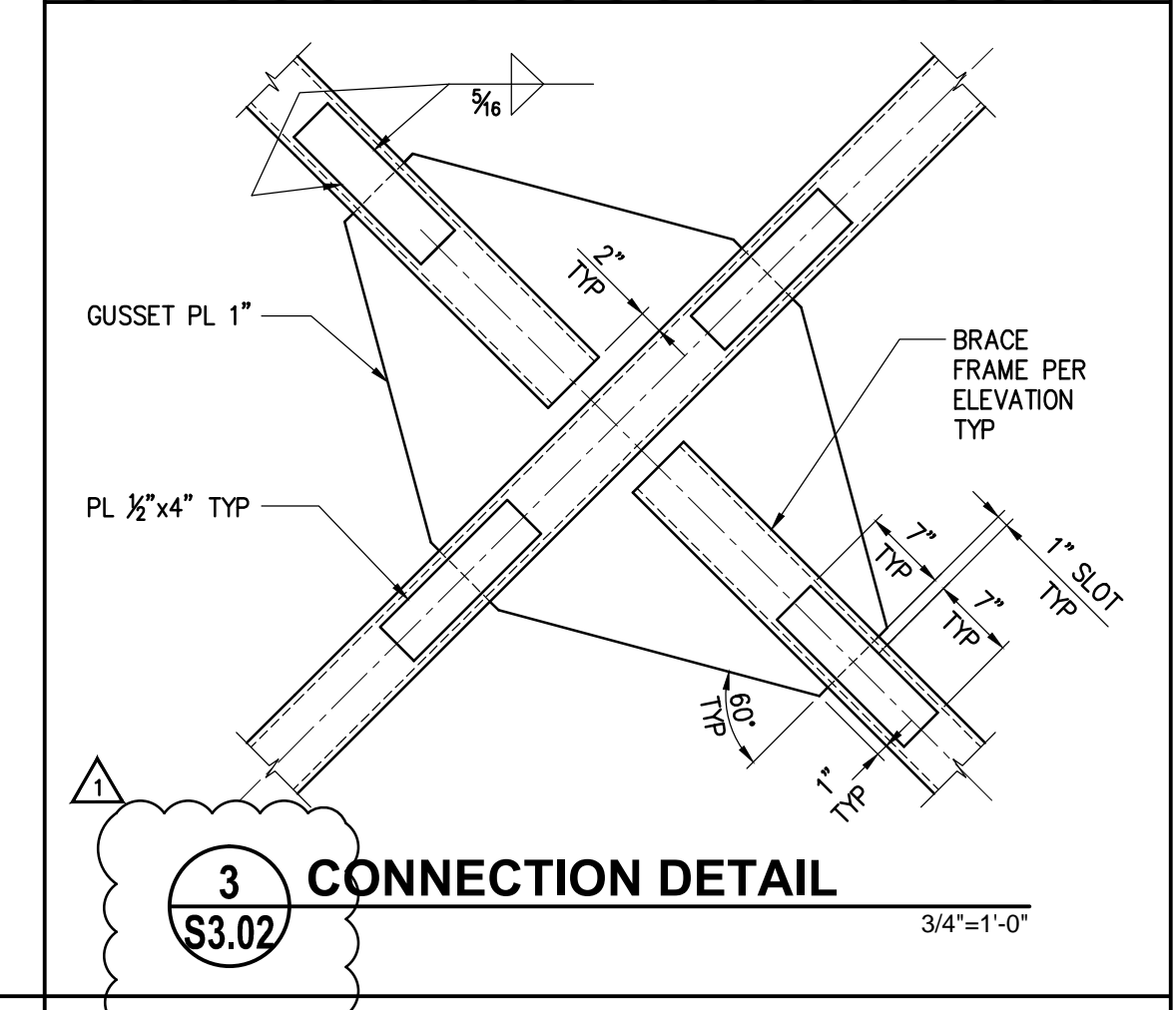
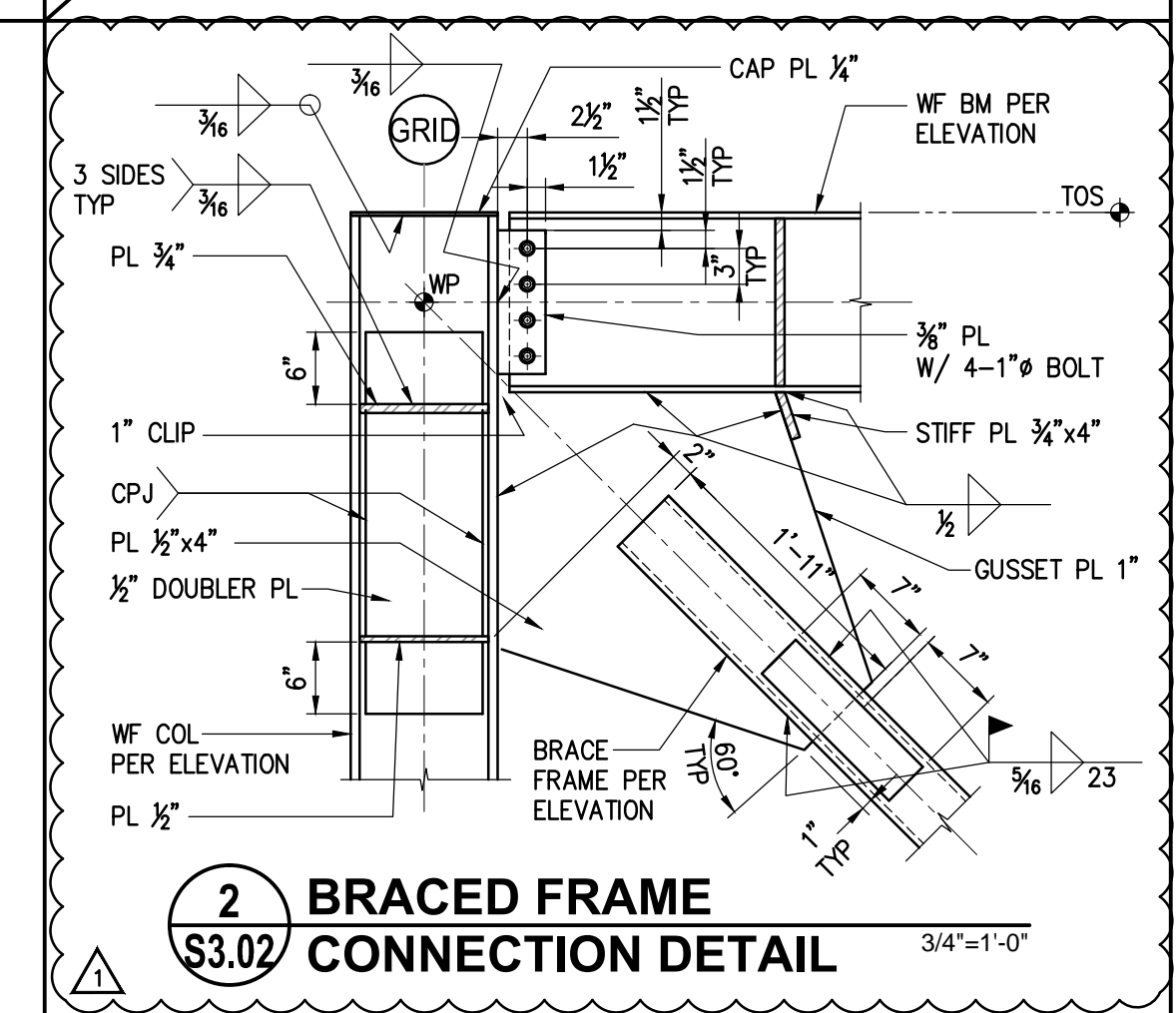
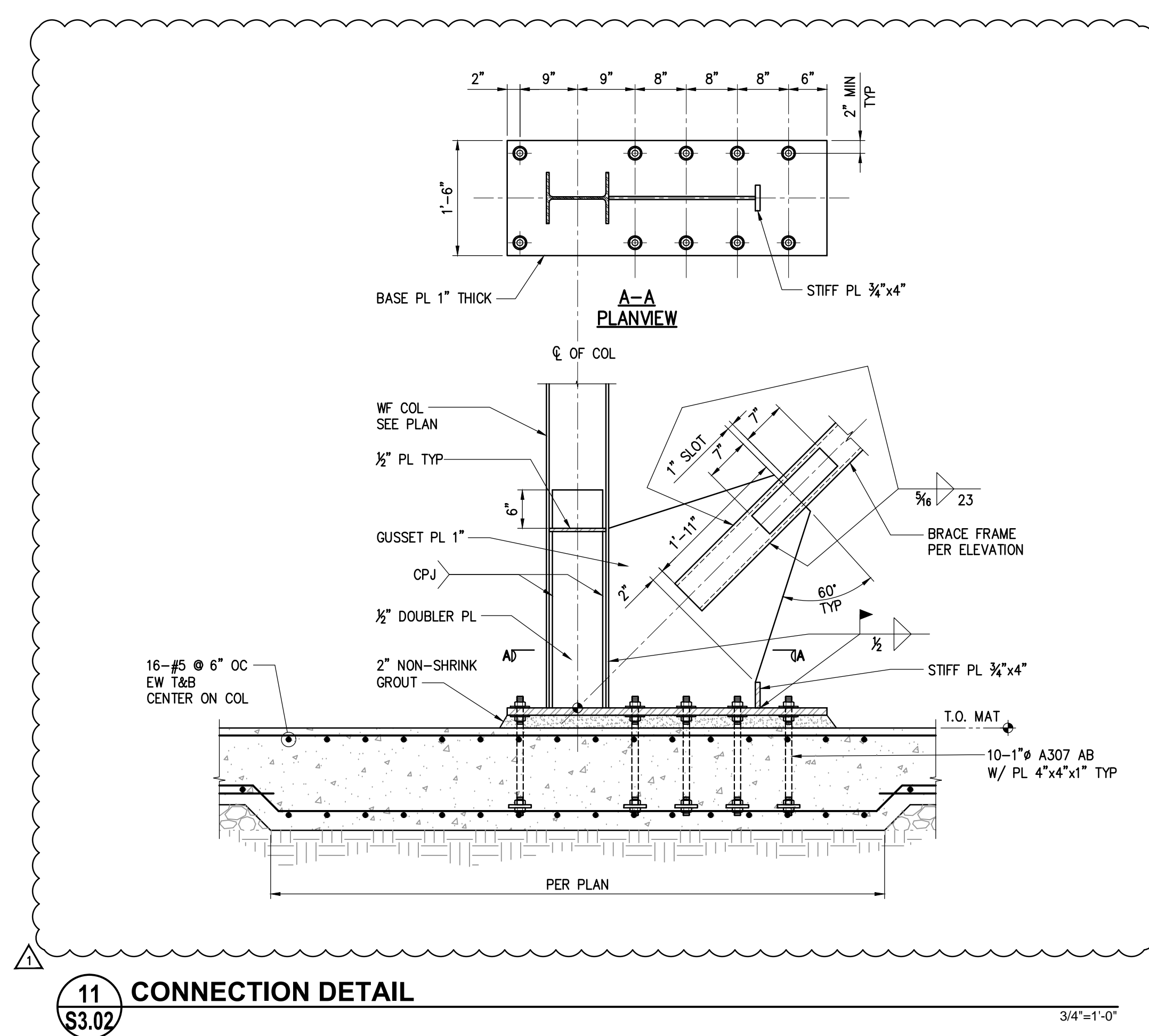
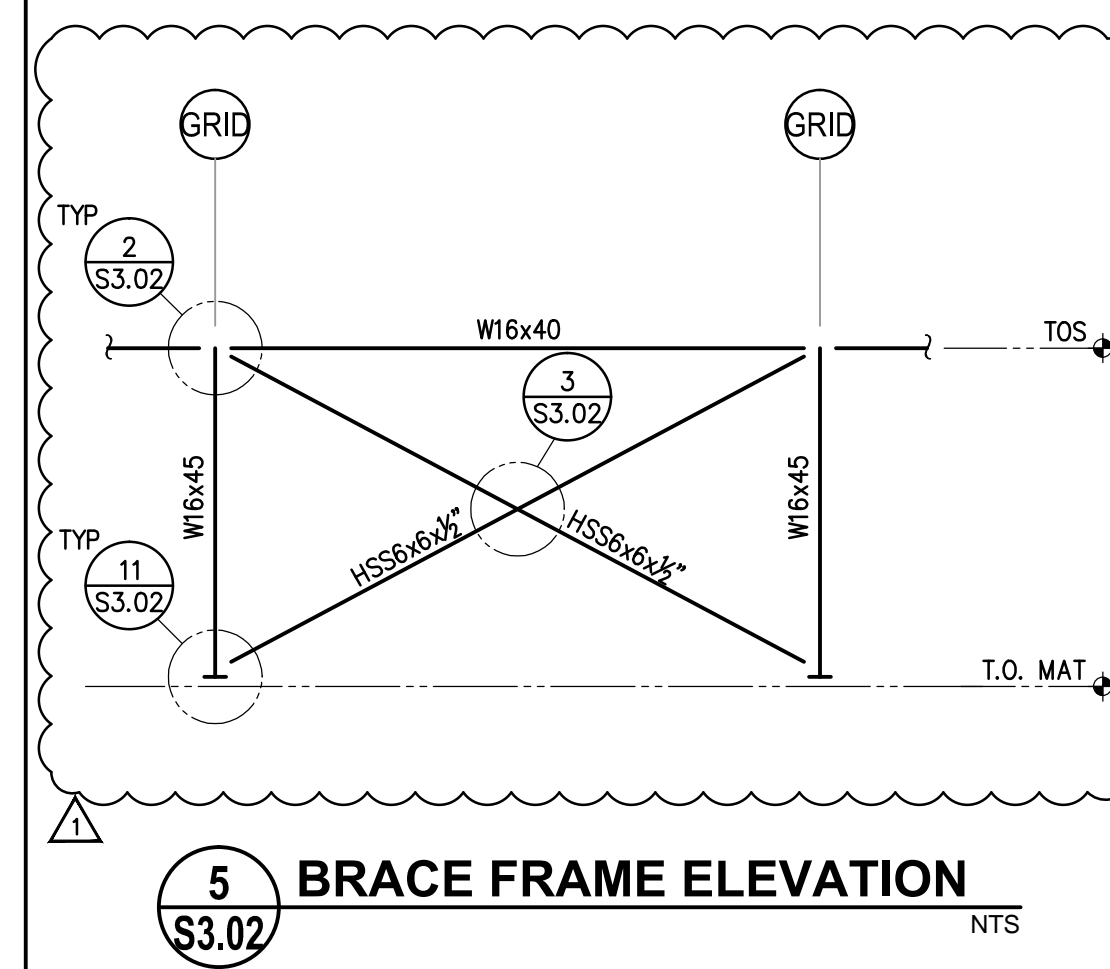
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sheet number

**S3.01**



**1** FRAMING ELEVATION  
**S3.01**

revisions number	date
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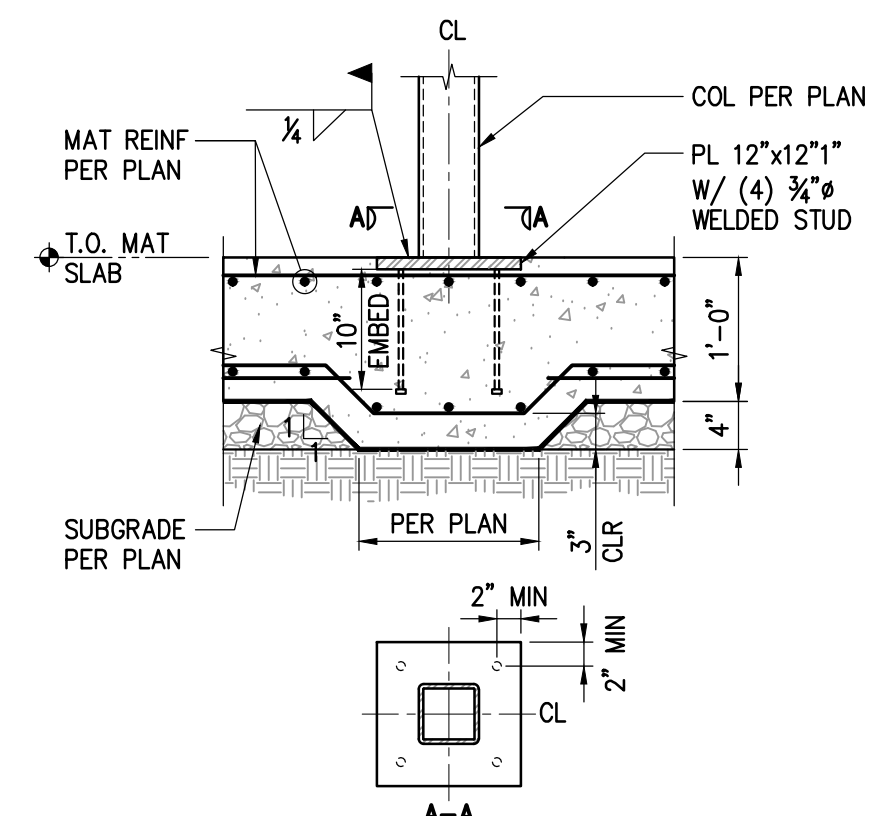


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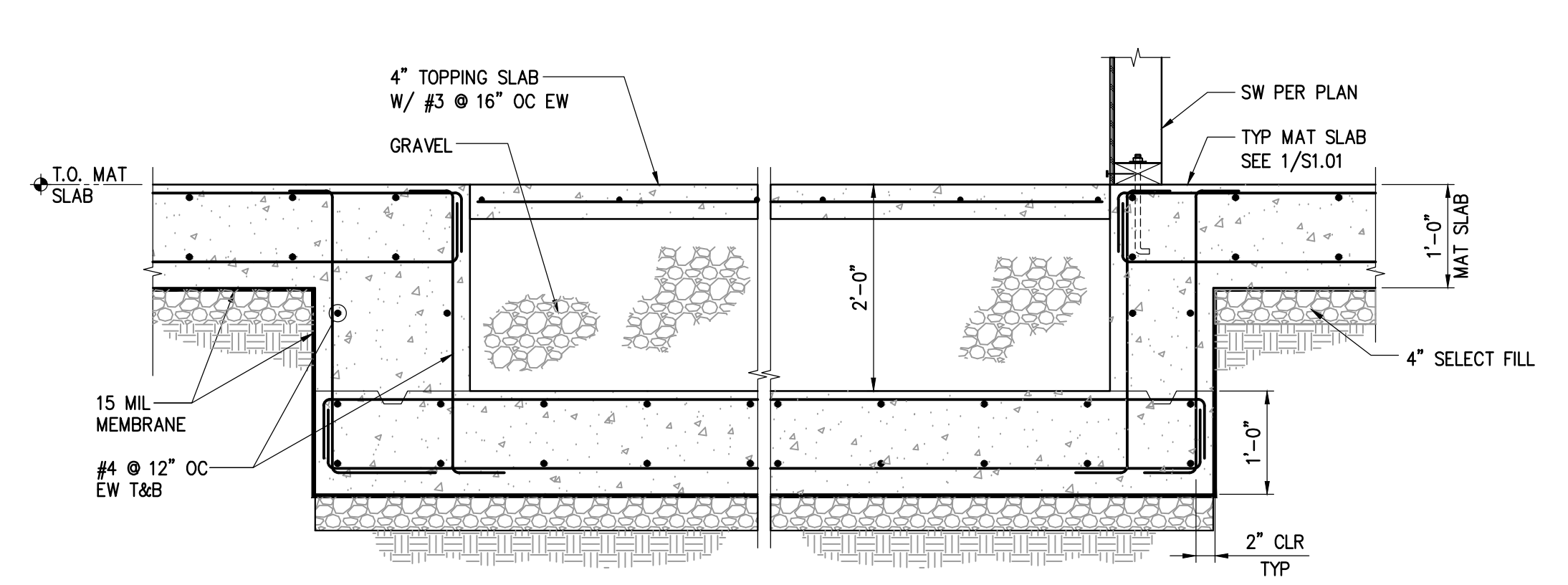
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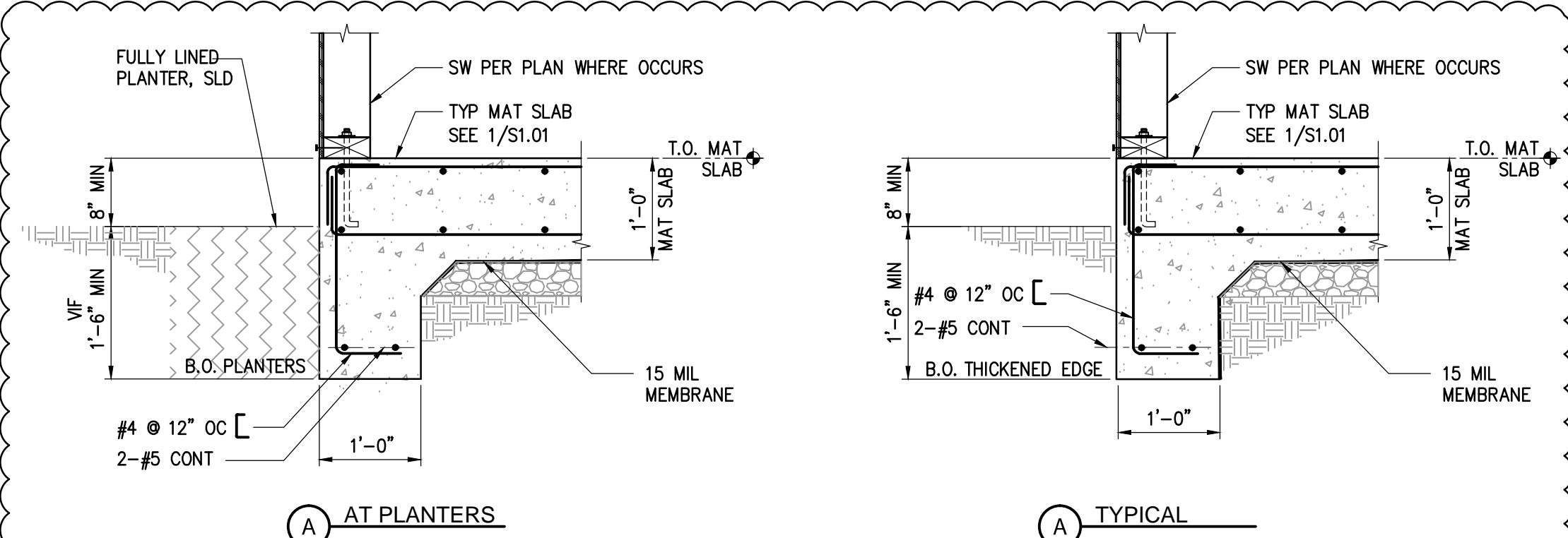
**S3.02**



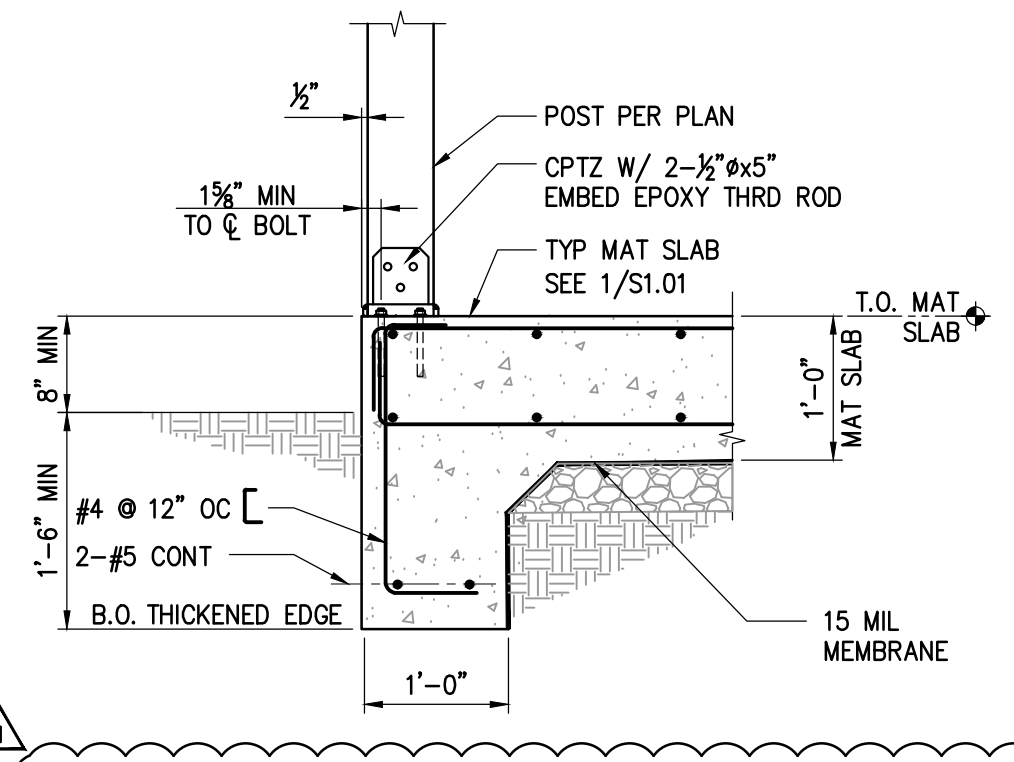
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S4.01 3/4"=1'-0"



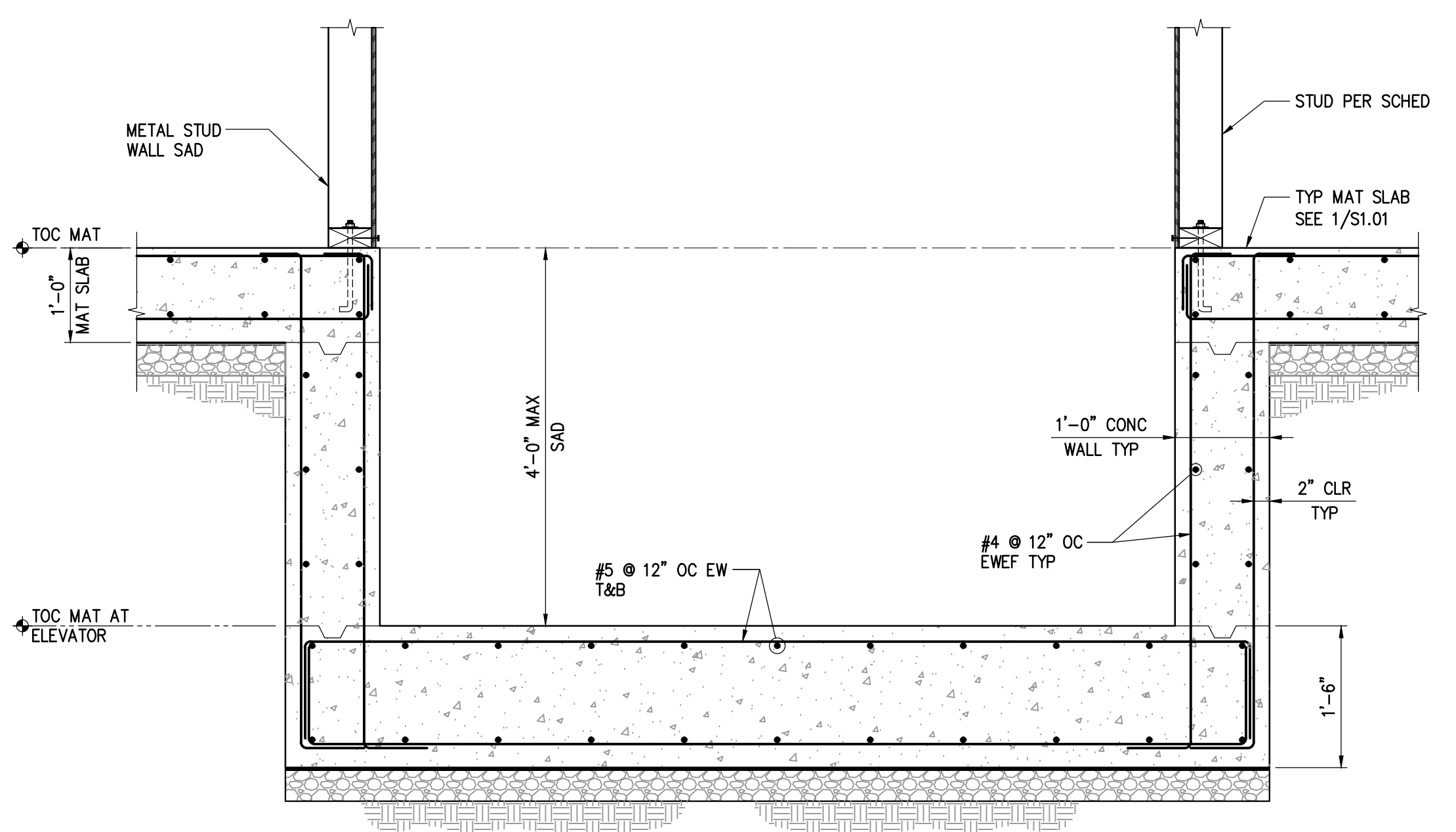
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S4.01 3/4"=1'-0"



**6 TYPICAL MAT EDGE DETAILS**  
S4.01 3/4"=1'-0"



**11 SECTION**  
S4.01 3/4"=1'-0"



**8 SECTION AT ELEVATOR**  
S4.01 3/4"=1'-0"

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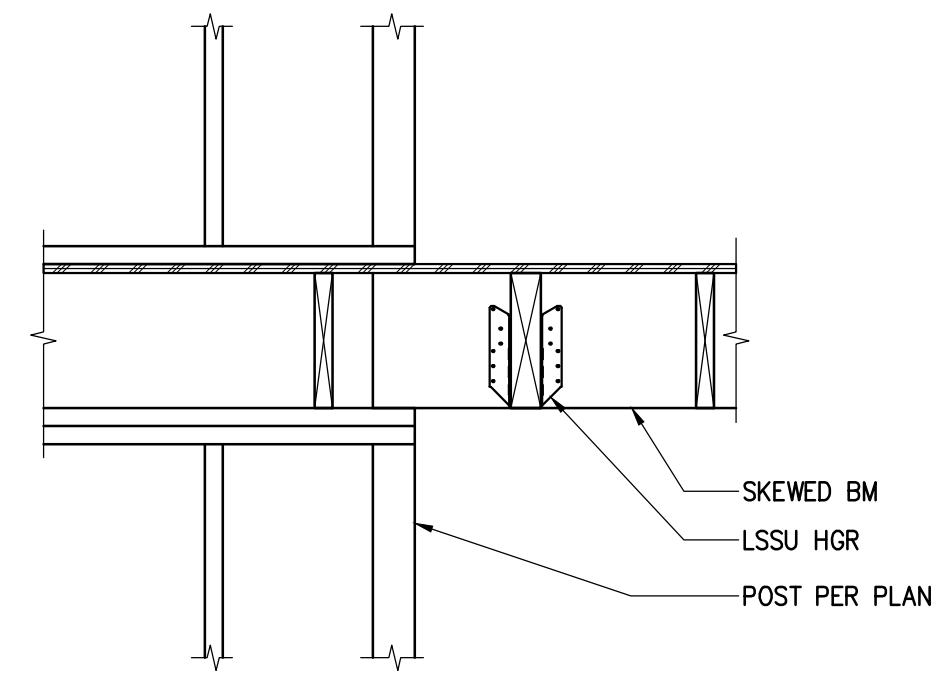
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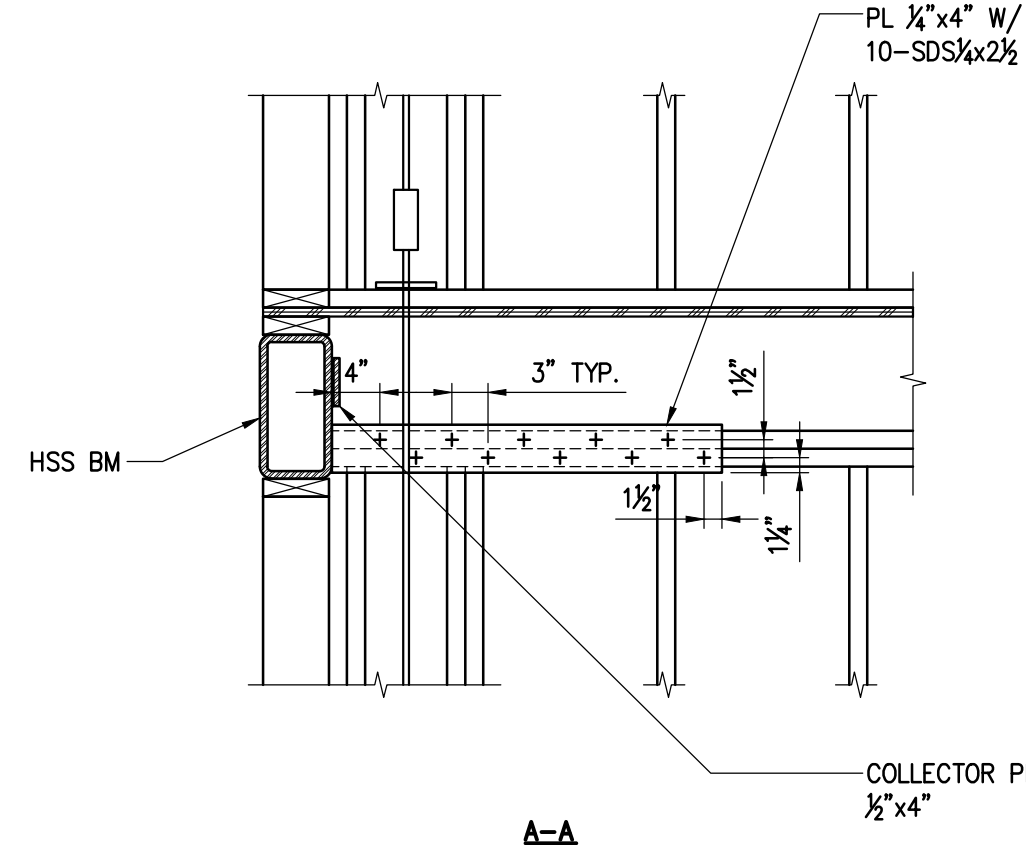
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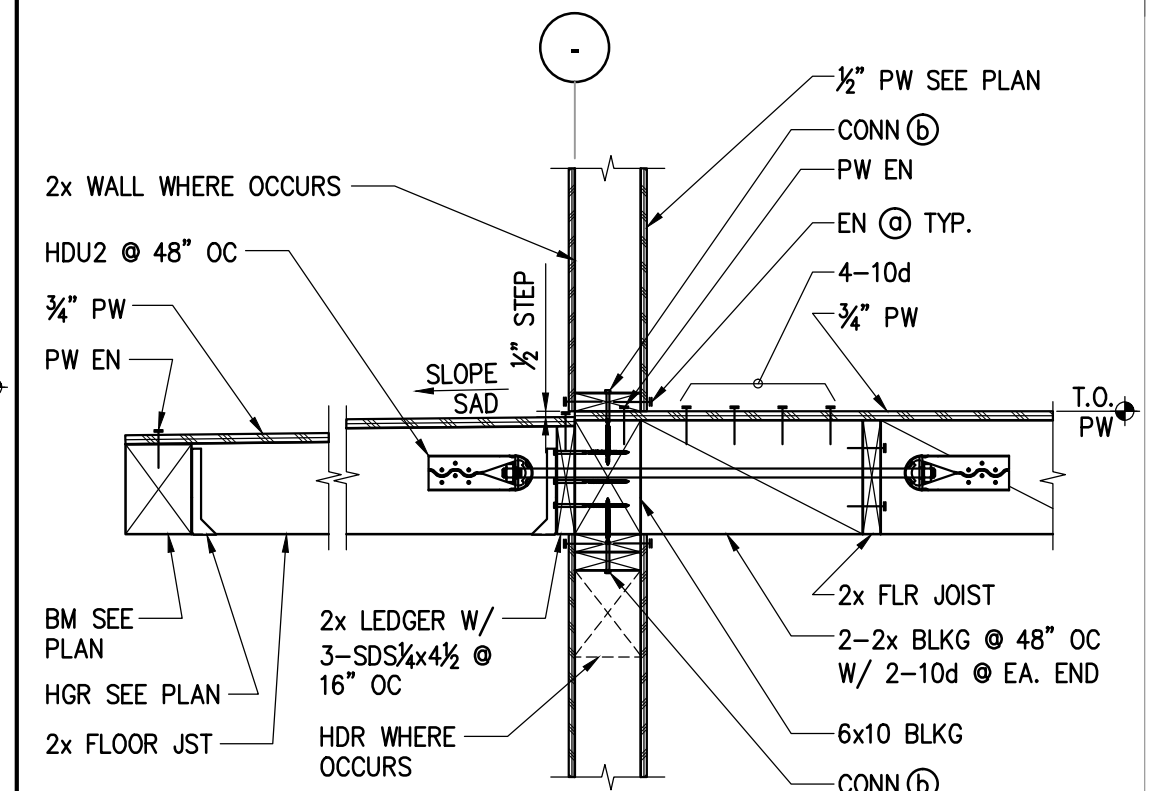
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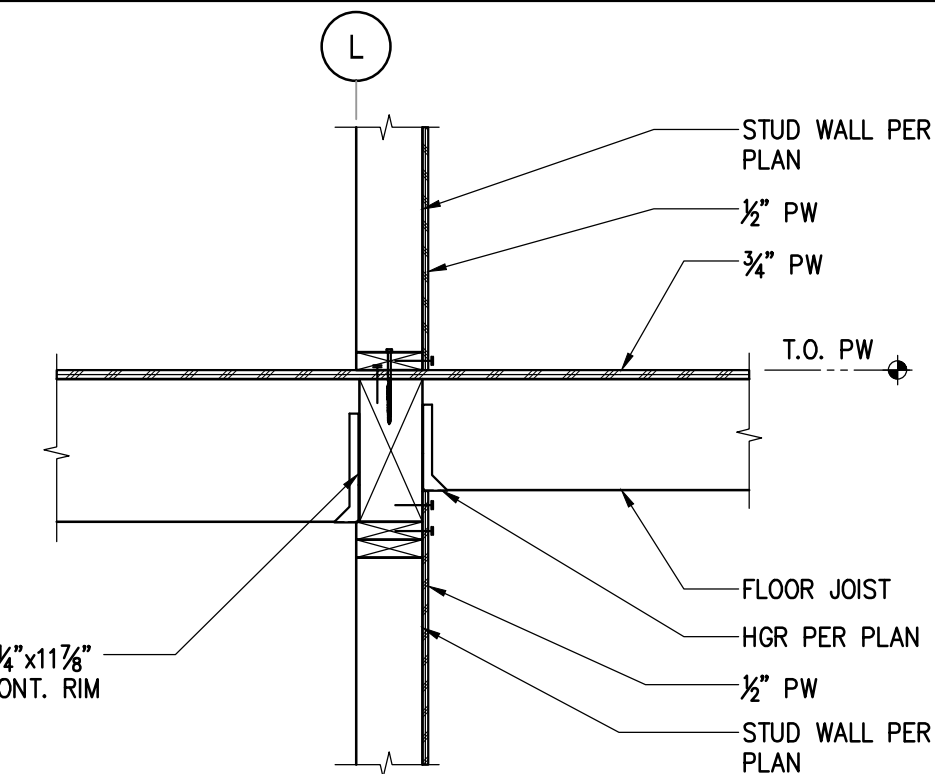
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S5.01 3/4"=1'-0"



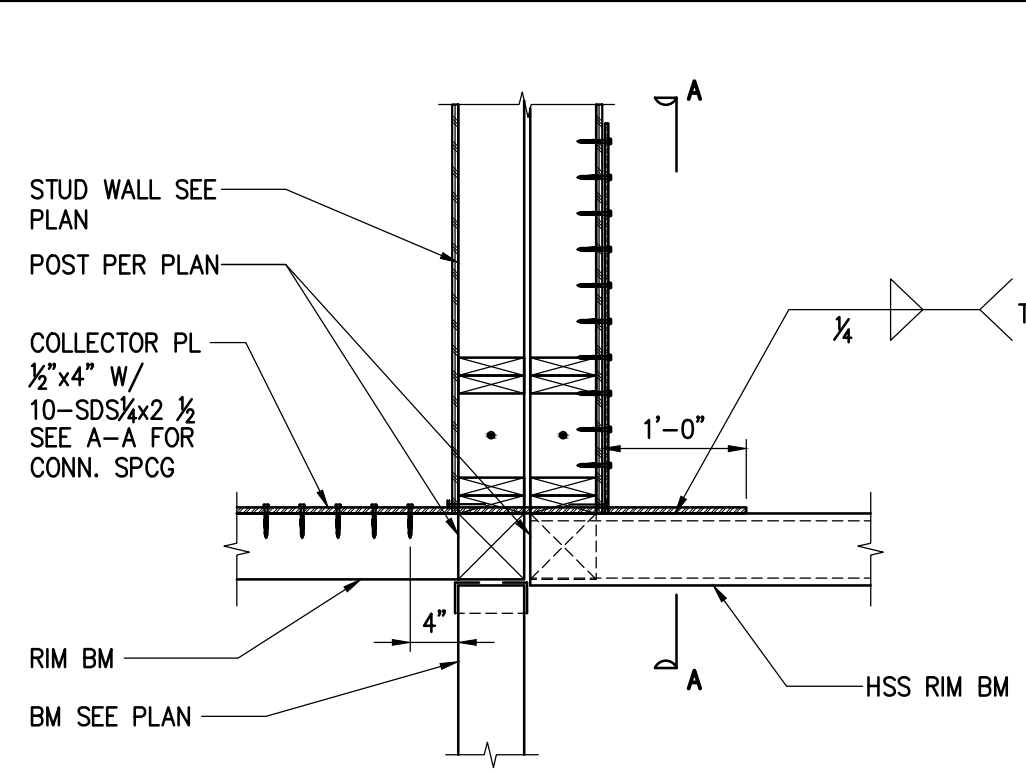
**5 DETAIL**  
S5.01 3/4"=1'-0"



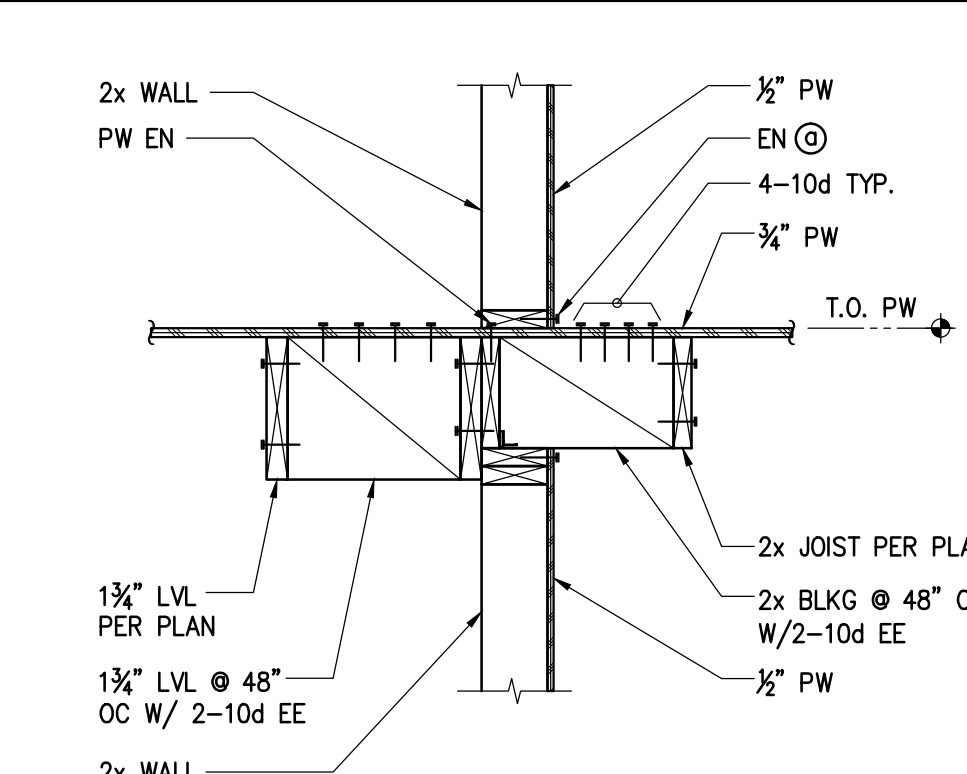
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S5.01 3/4"=1'-0"



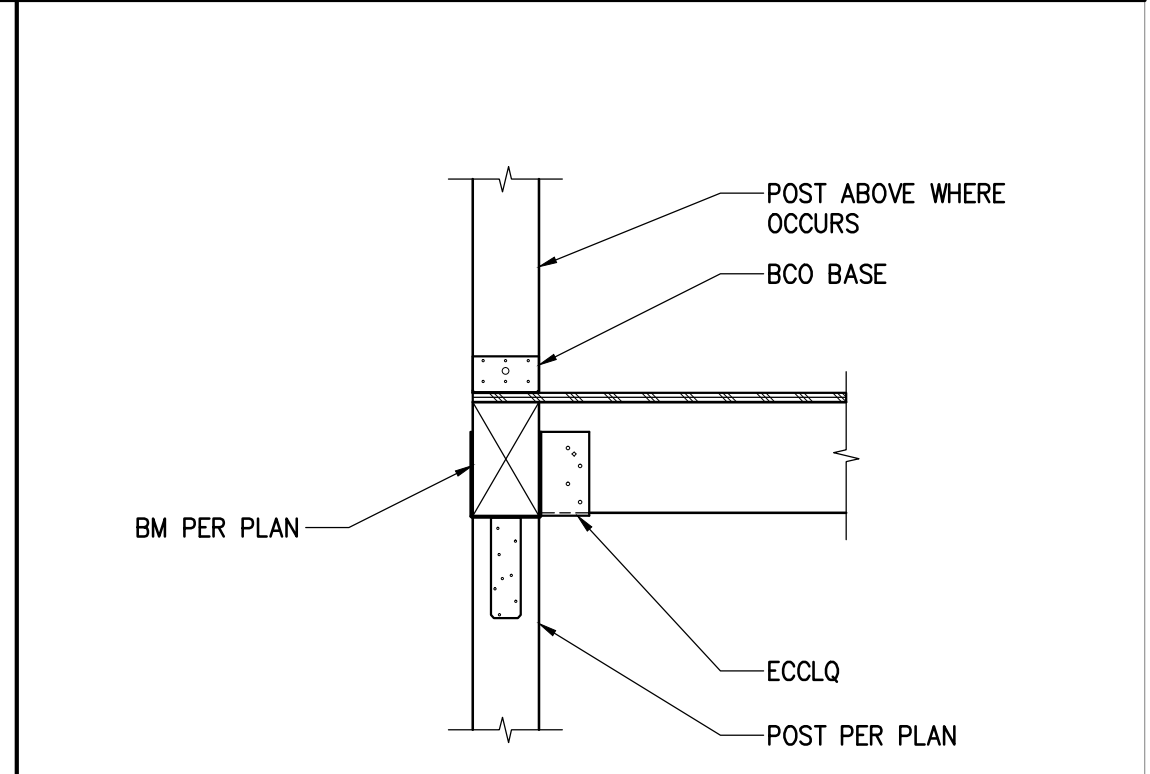
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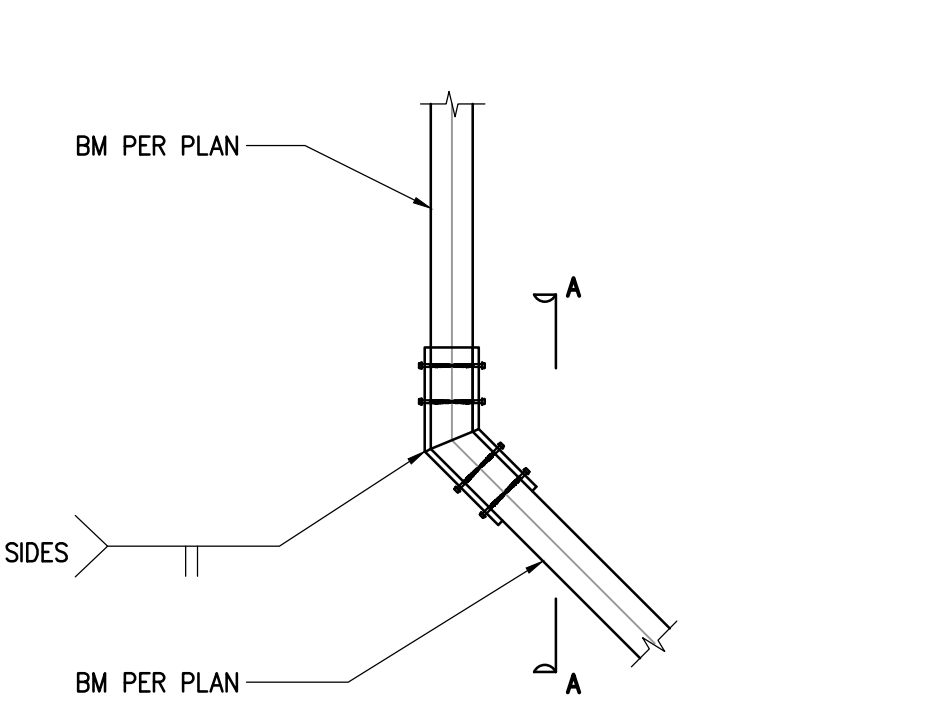
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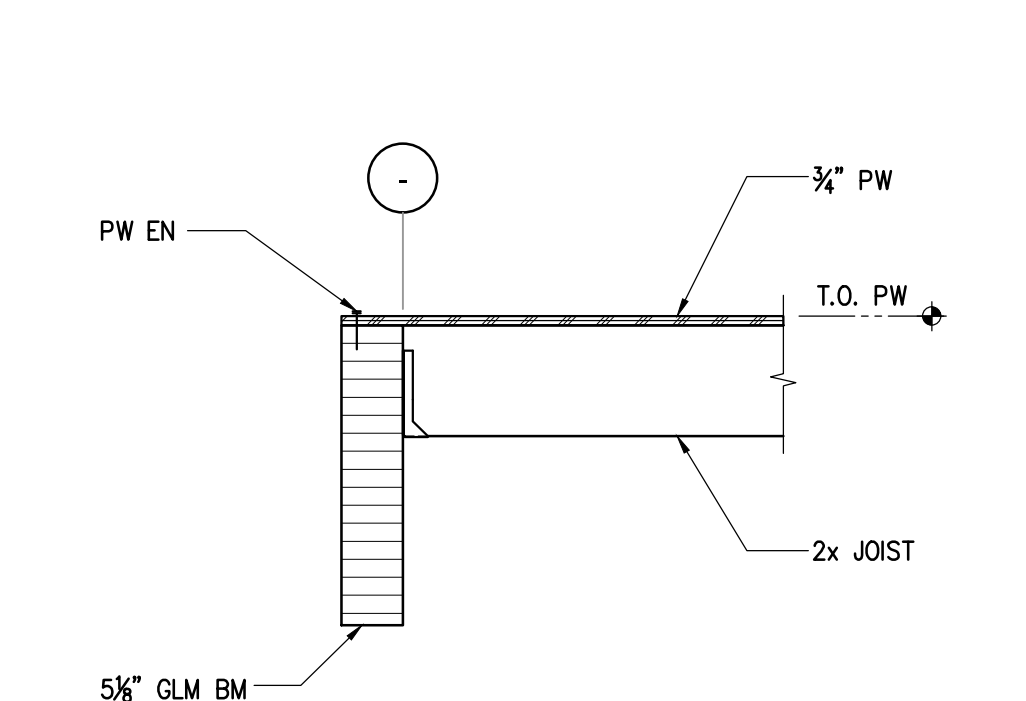
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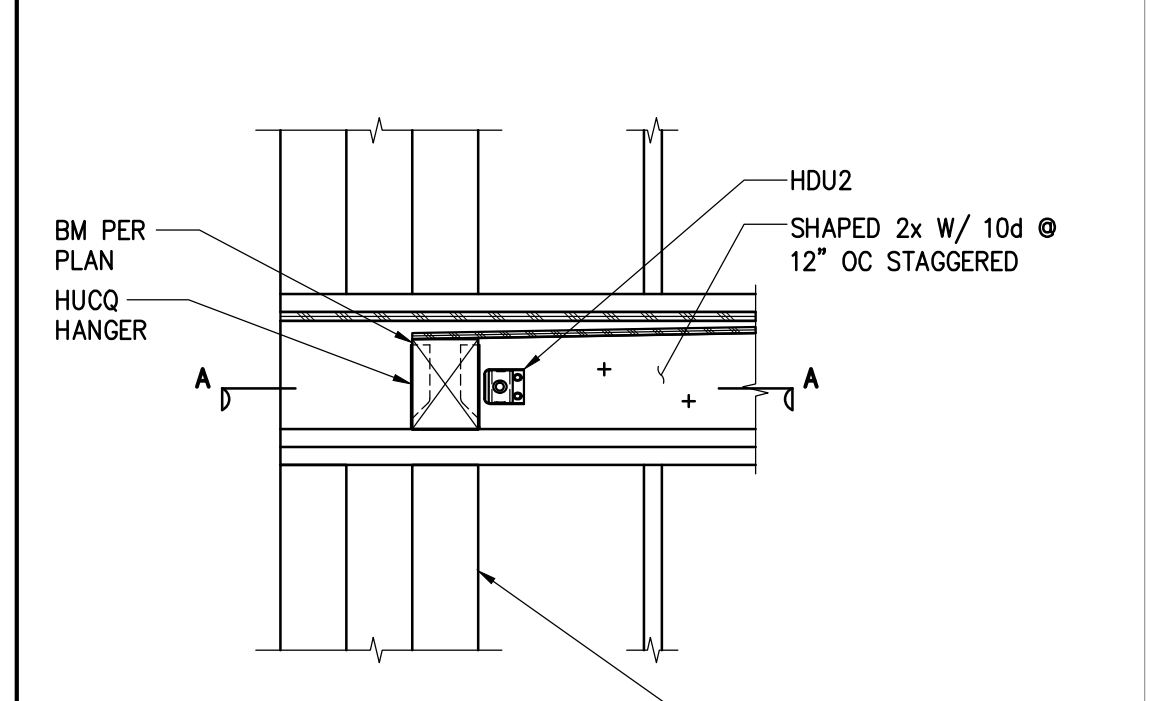
**2 DETAIL**  
S5.01 3/4"=1'-0"



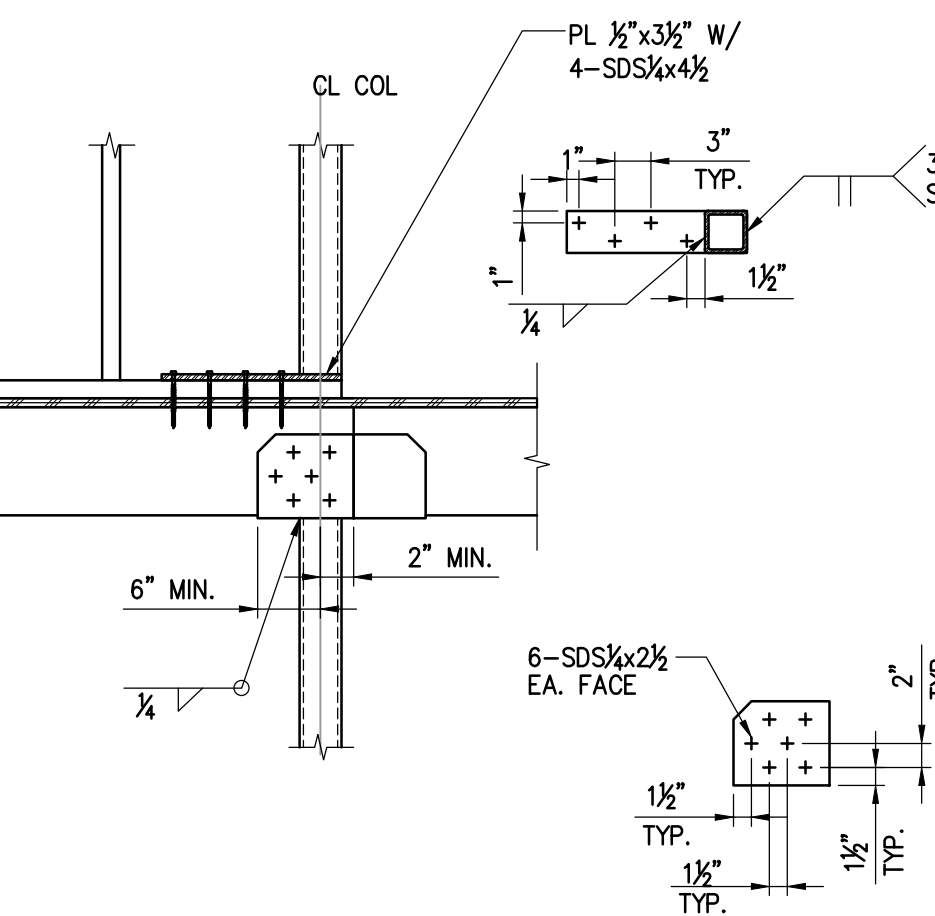
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S5.01 3/4"=1'-0"



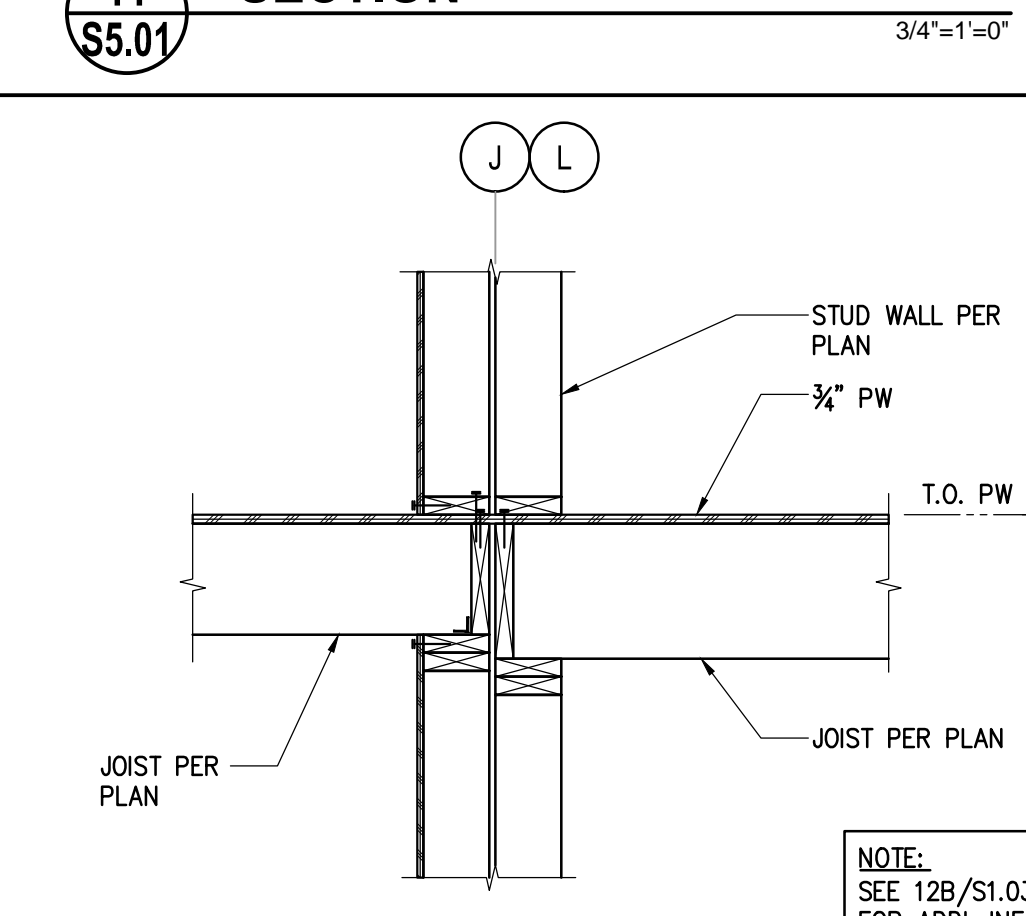
**7 SECTION**  
S5.01 3/4"=1'-0"



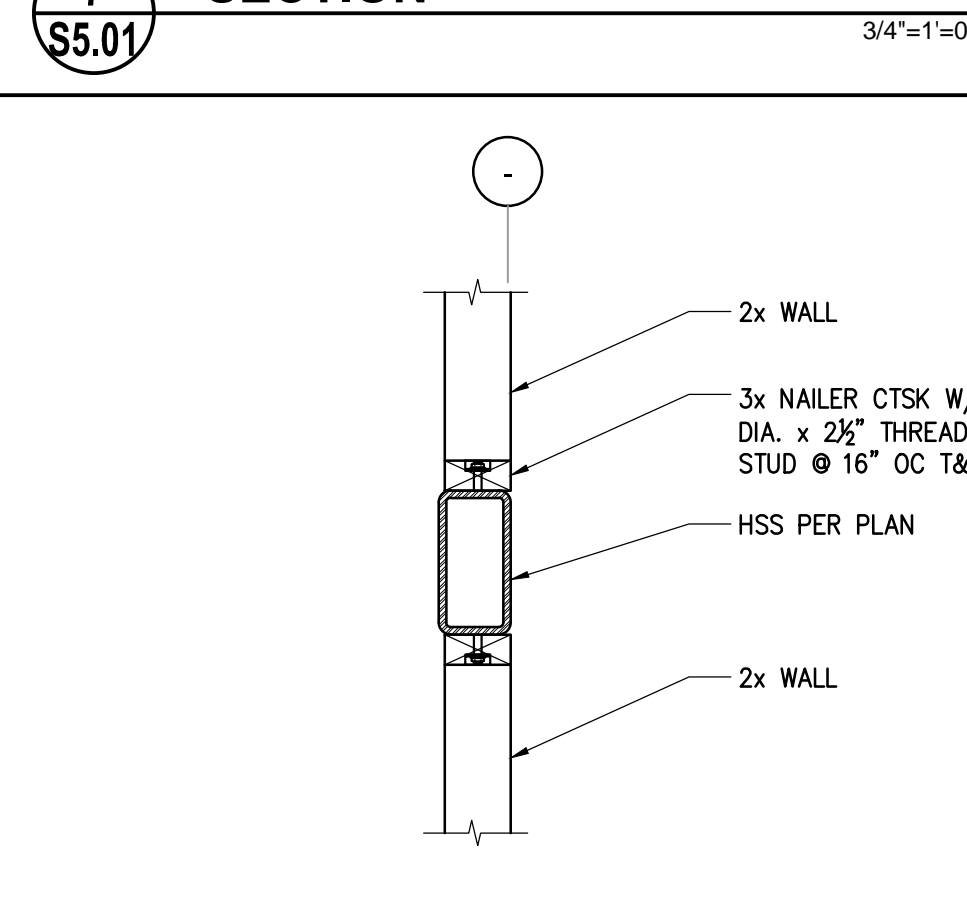
**4 DETAIL**  
S5.01 3/4"=1'-0"



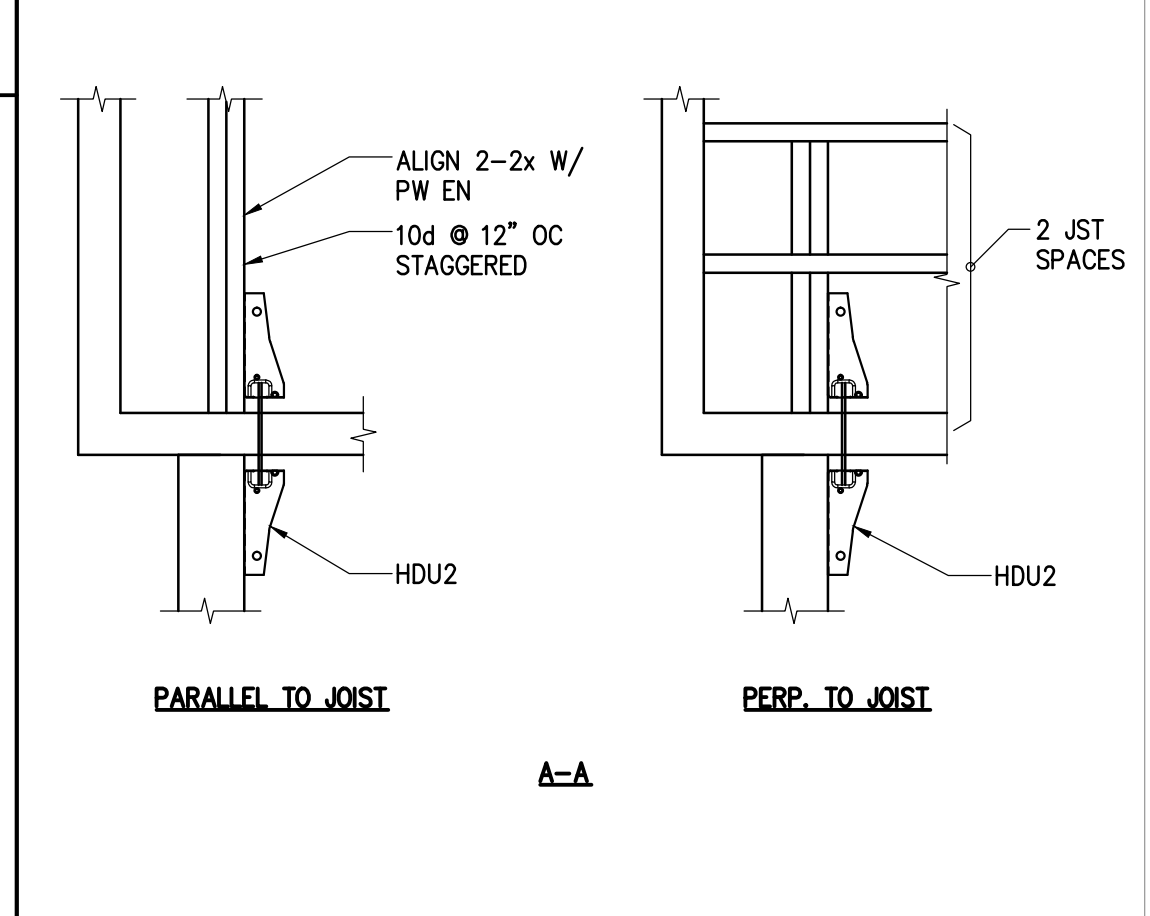
**16 SECTION**  
S5.01 3/4"=1'-0"



**12 SECTION**  
S5.01 3/4"=1'-0"



**8 SECTION**  
S5.01 3/4"=1'-0"



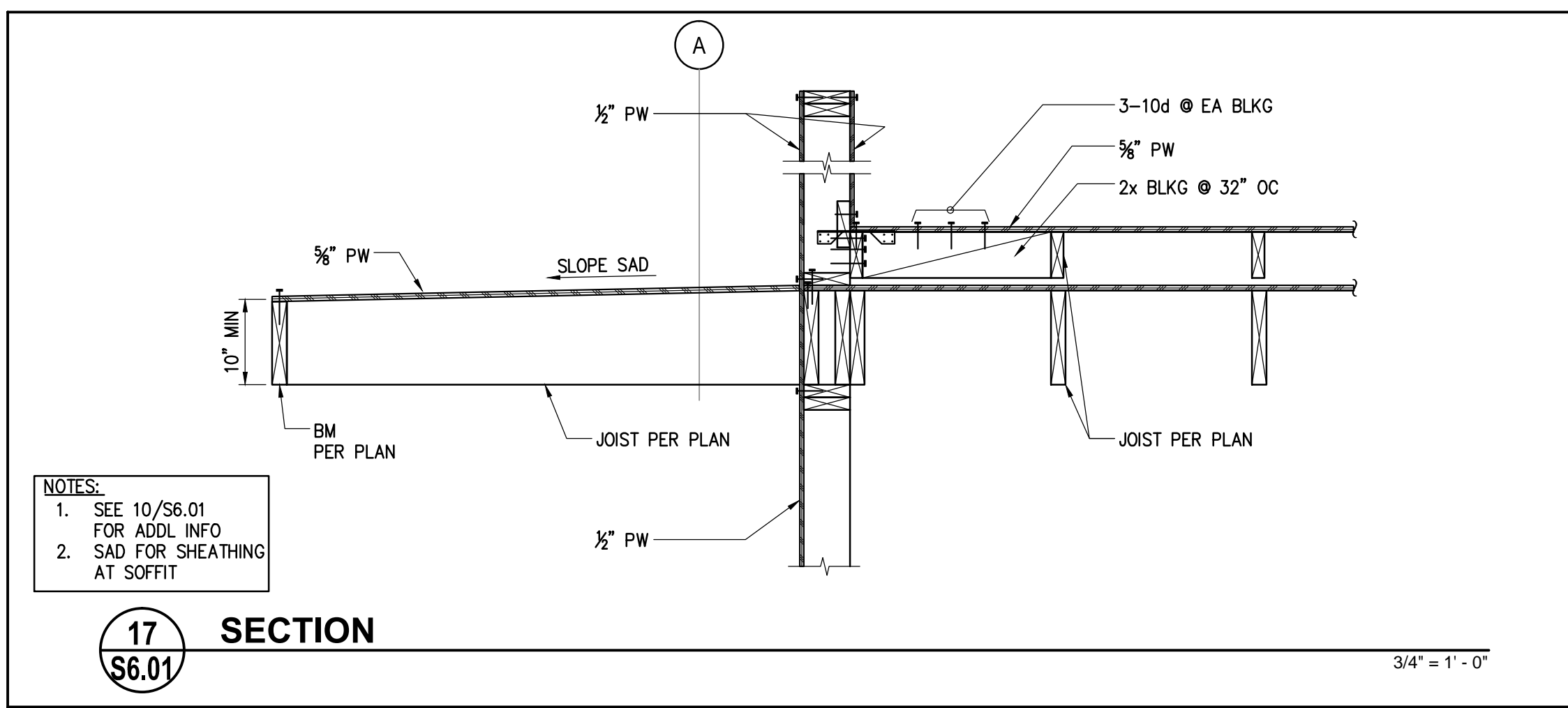
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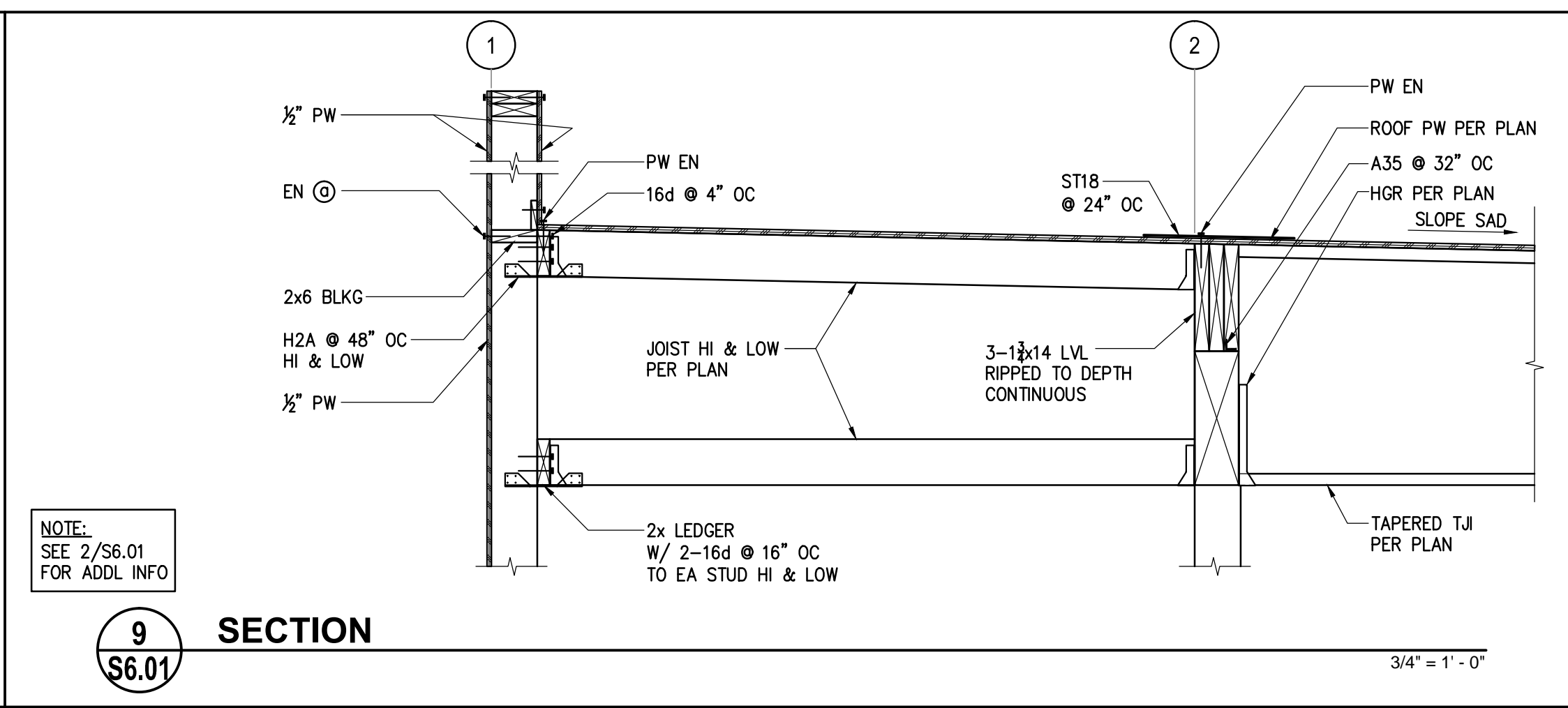
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**SECTIONS AND DETAILS**

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**S5.01**



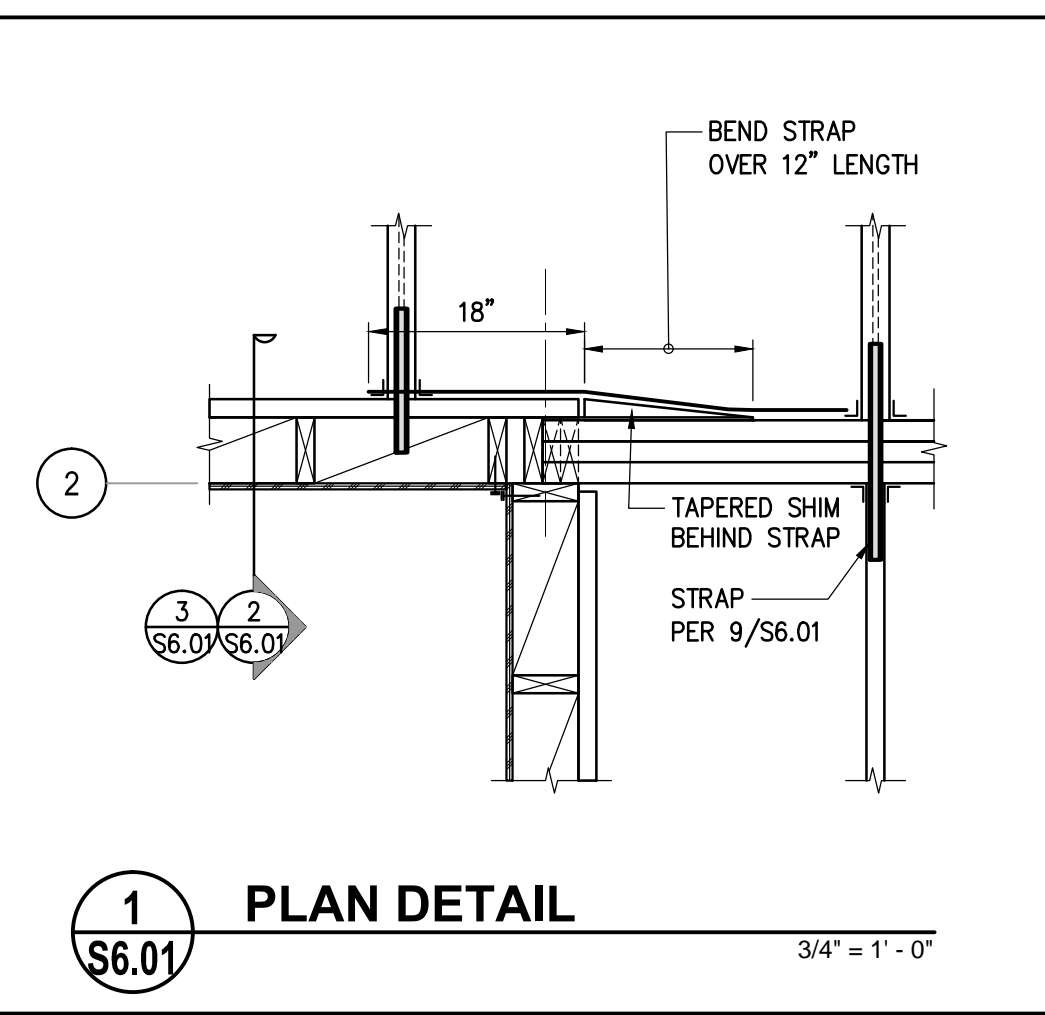
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S6.01

3/4" = 1' - 0"



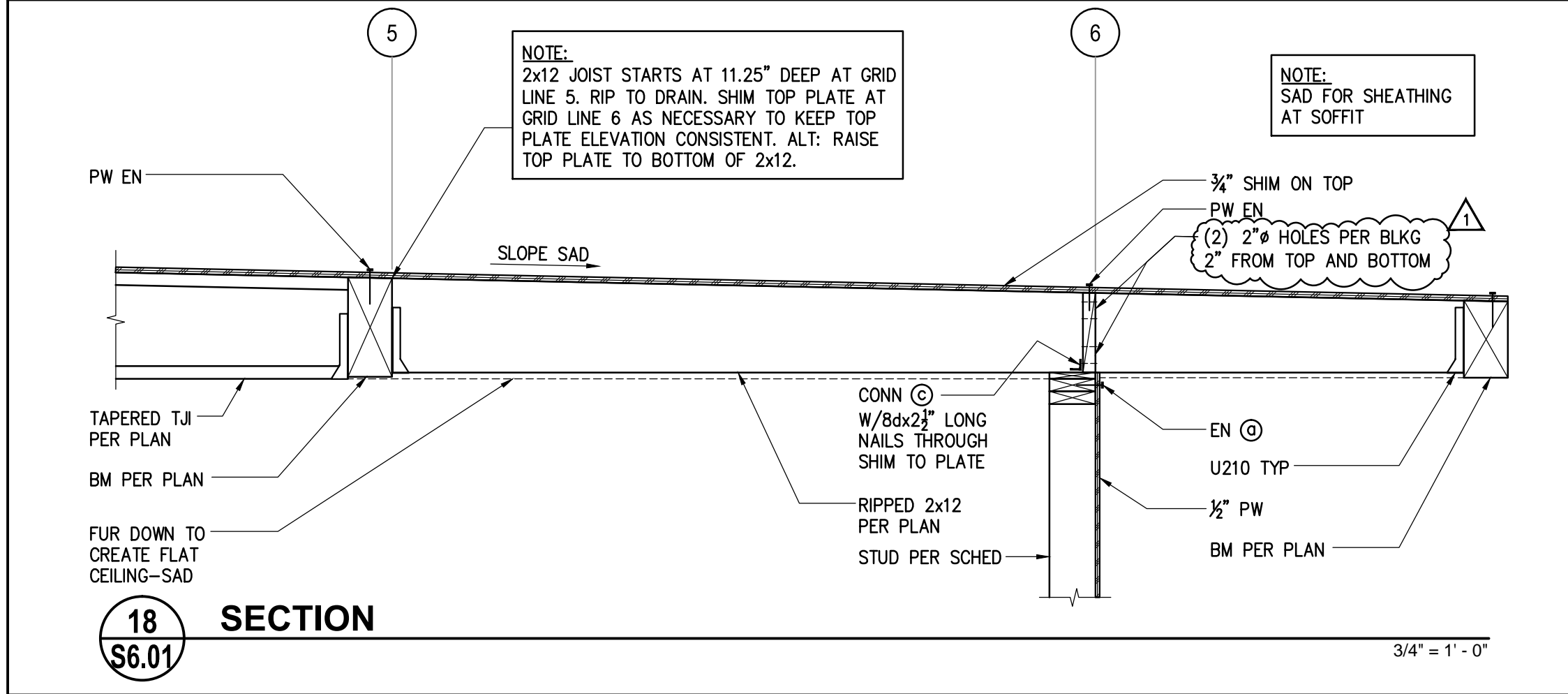
**9 SECTION**  
S6.01

3/4" = 1' - 0"



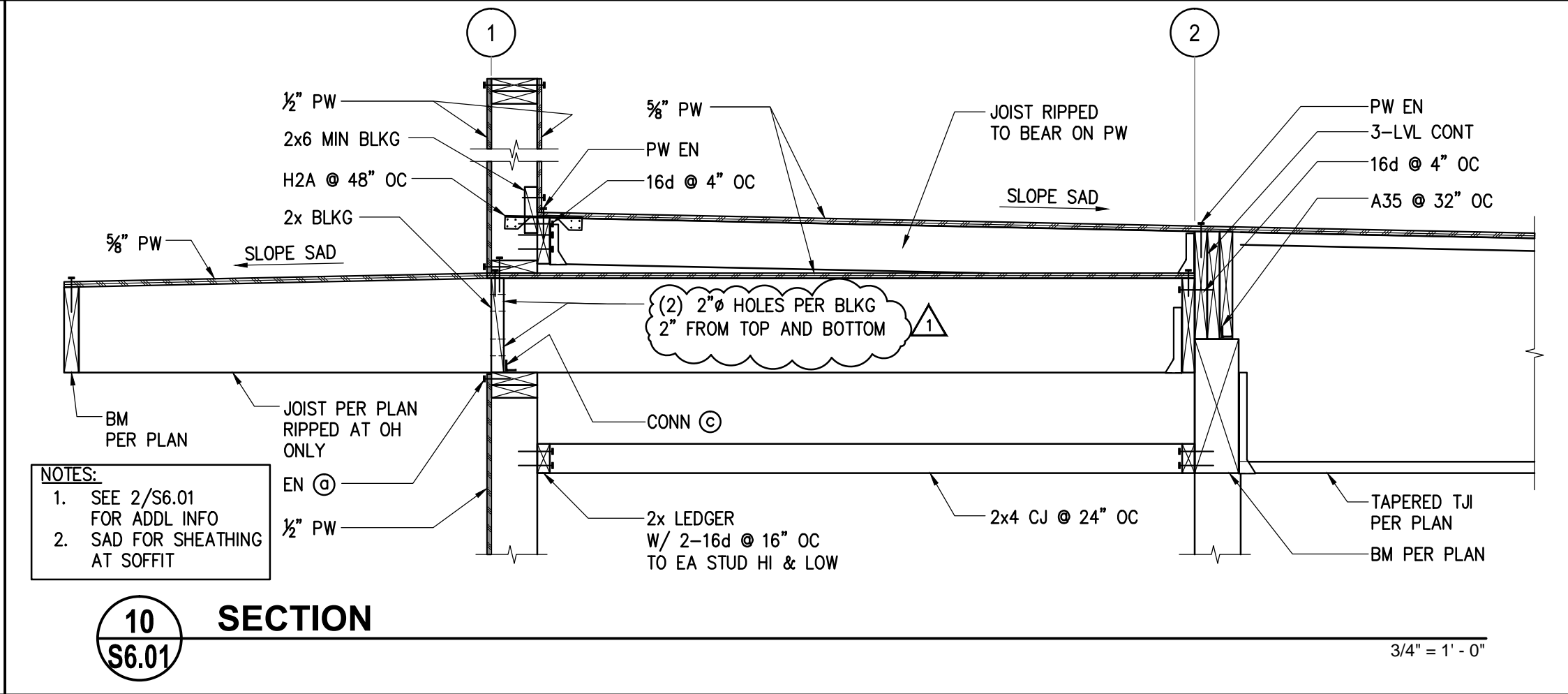
**1 PLAN DETAIL**  
S6.01

3/4" = 1' - 0"



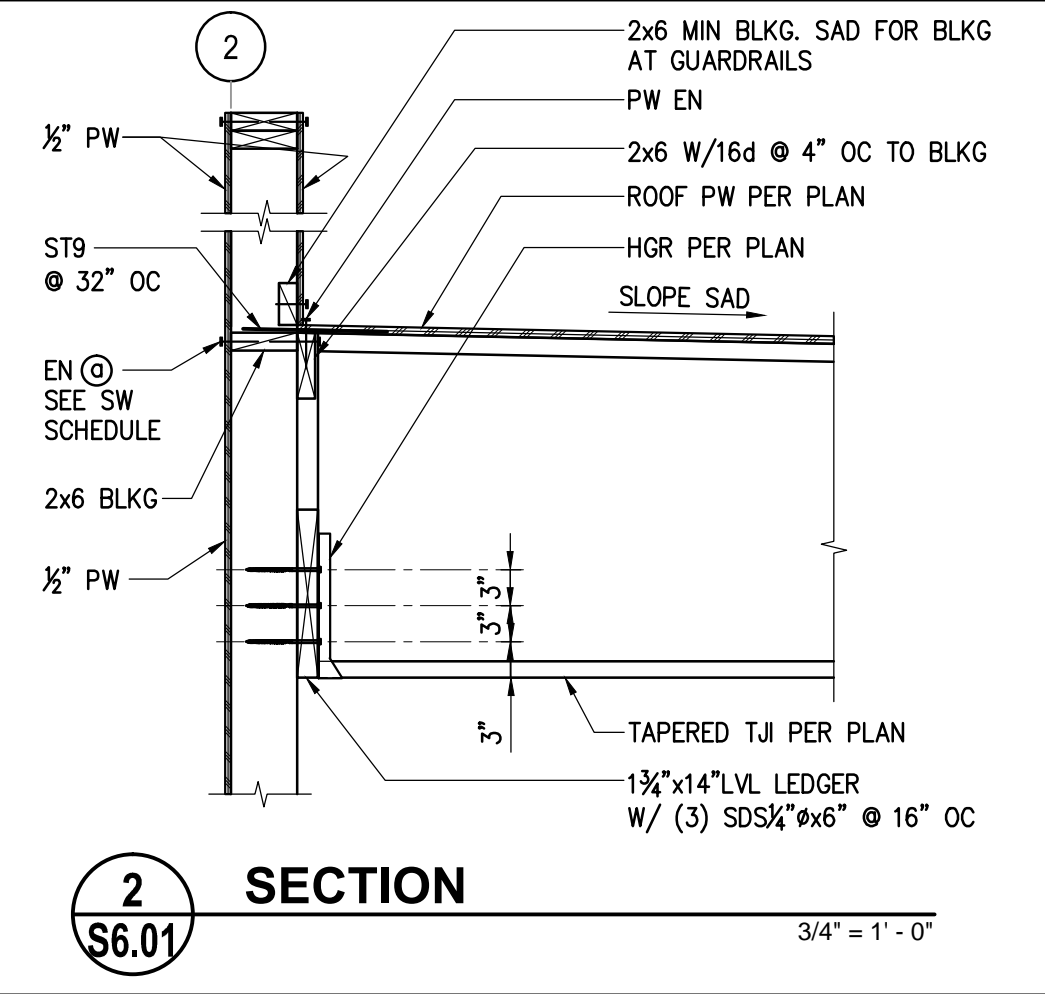
**18 SECTION**  
S6.01

3/4" = 1' - 0"



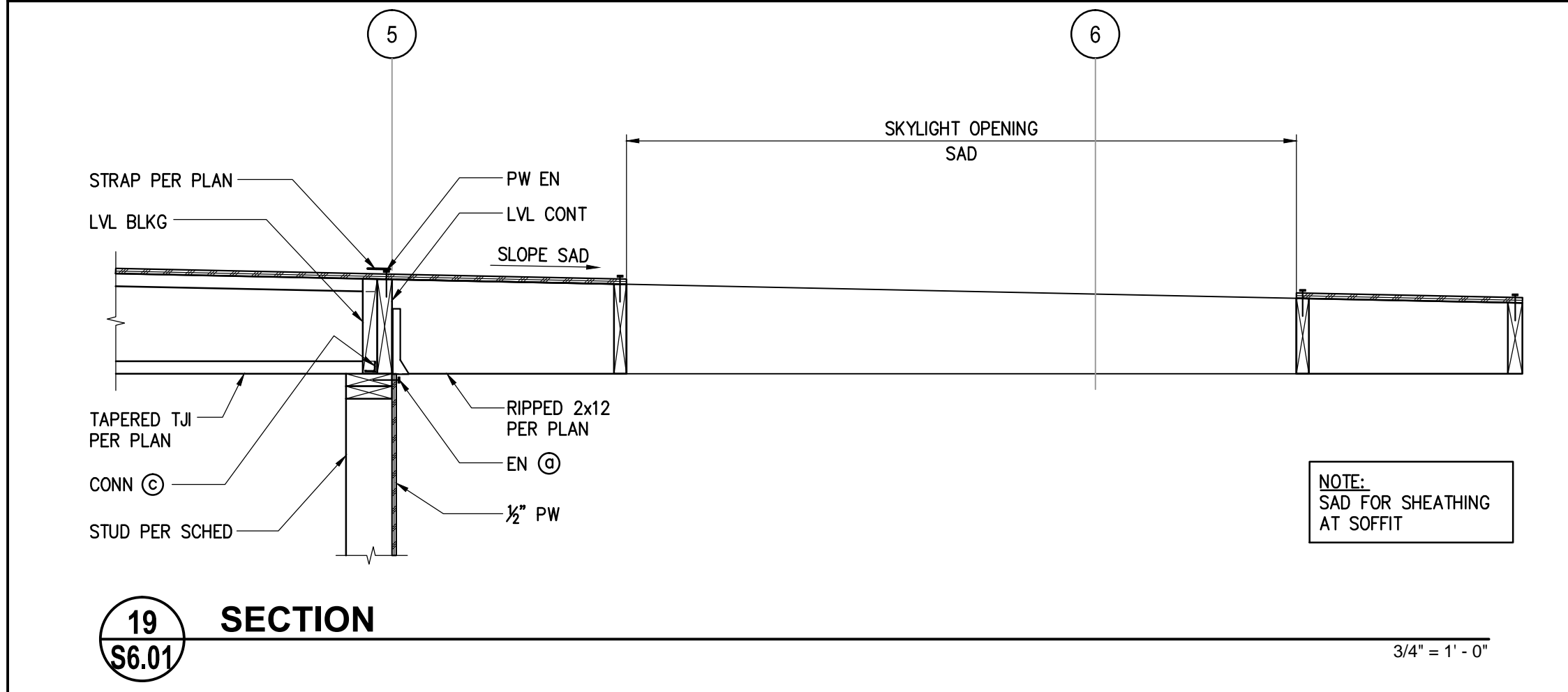
**10 SECTION**  
S6.01

3/4" = 1' - 0"



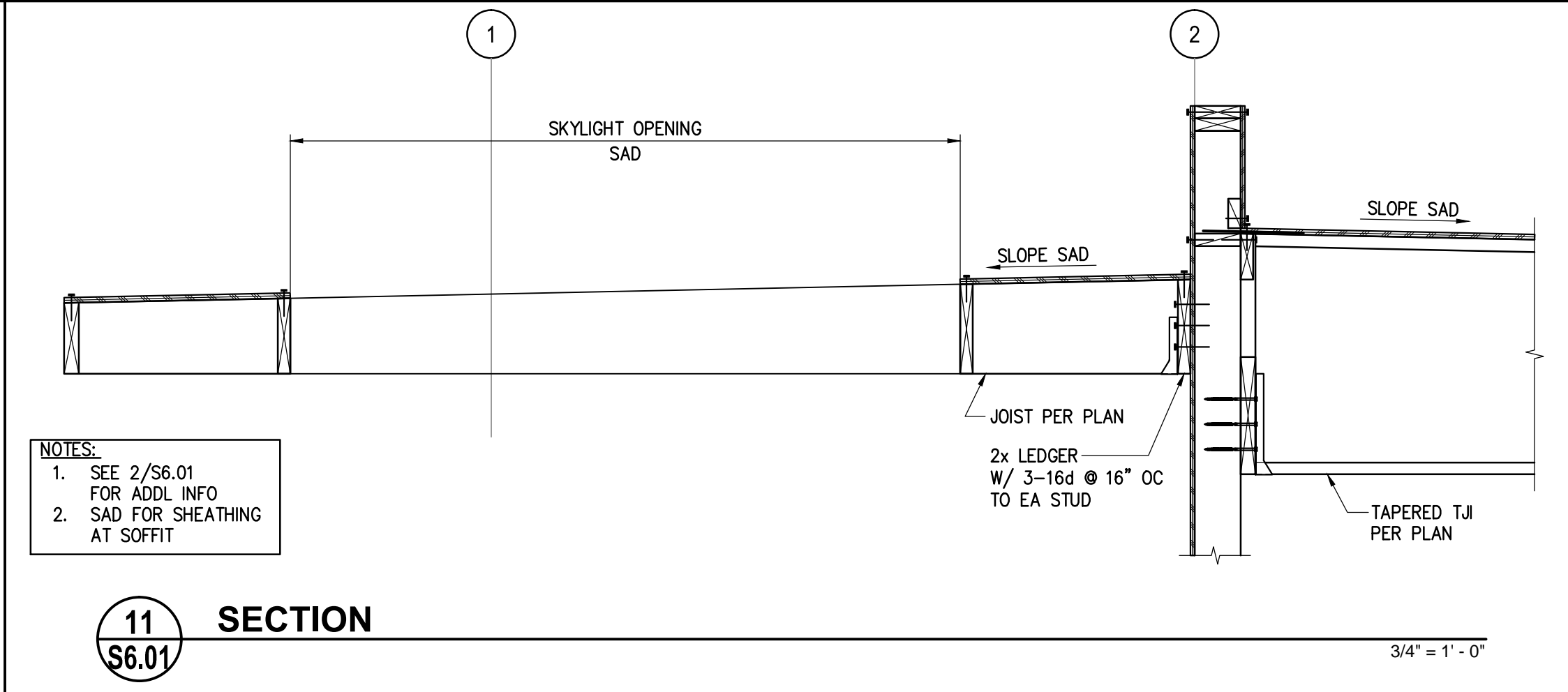
**2 SECTION**  
S6.01

3/4" = 1' - 0"



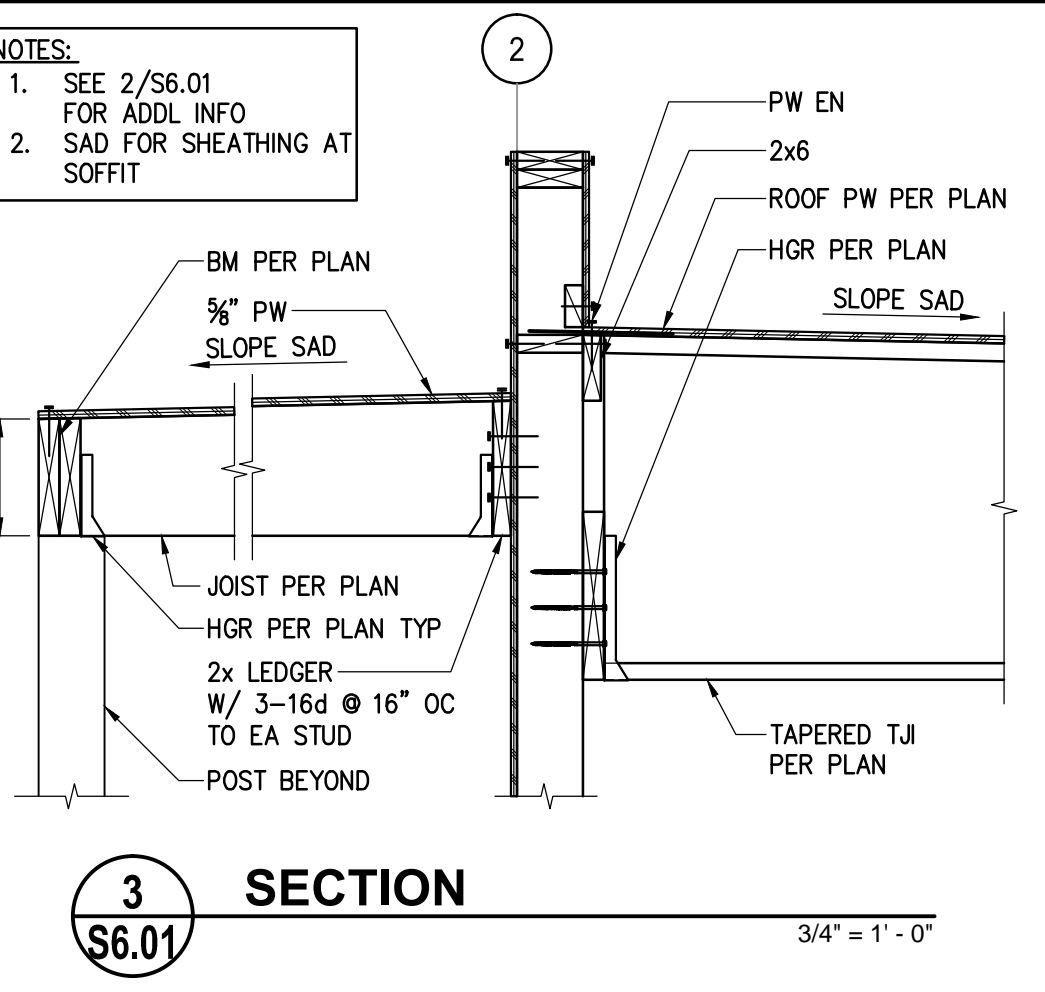
**19 SECTION**  
S6.01

3/4" = 1' - 0"



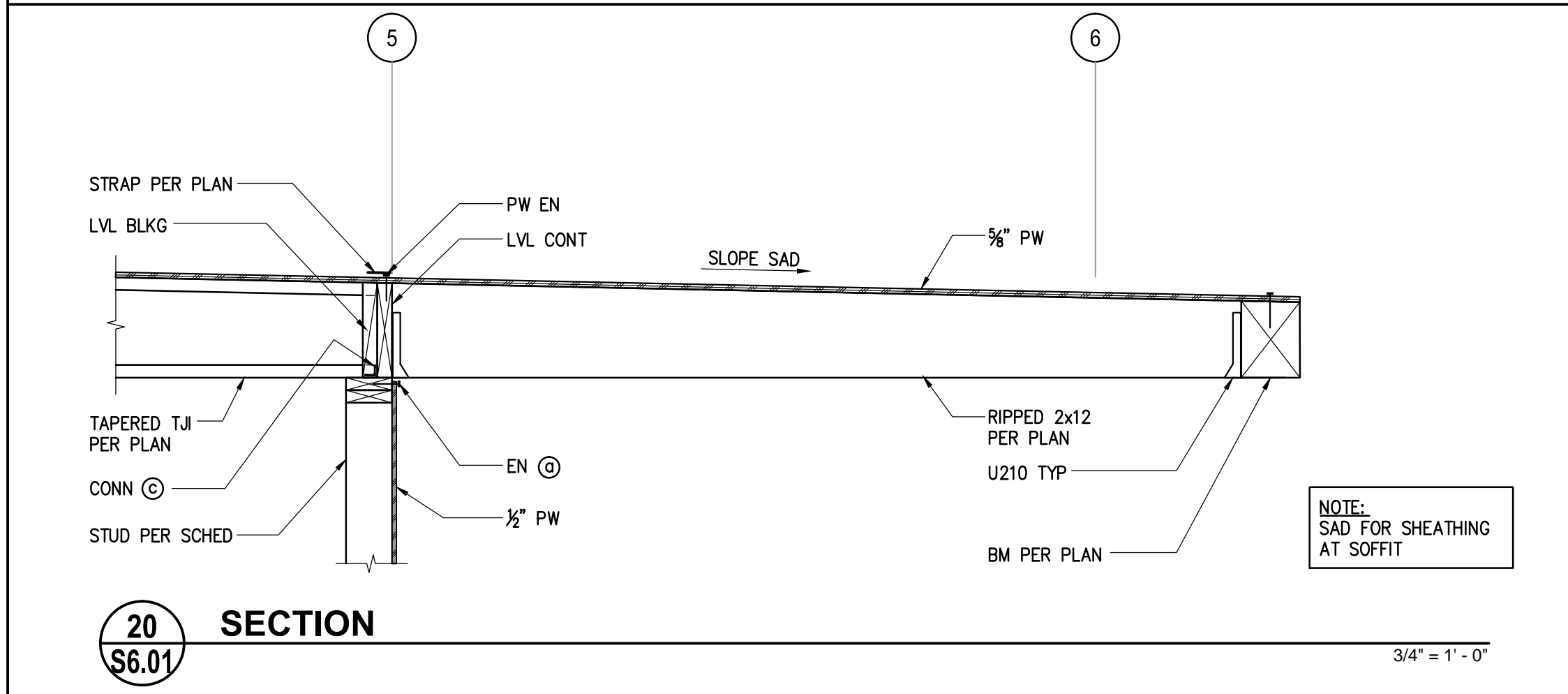
**11 SECTION**  
S6.01

3/4" = 1' - 0"



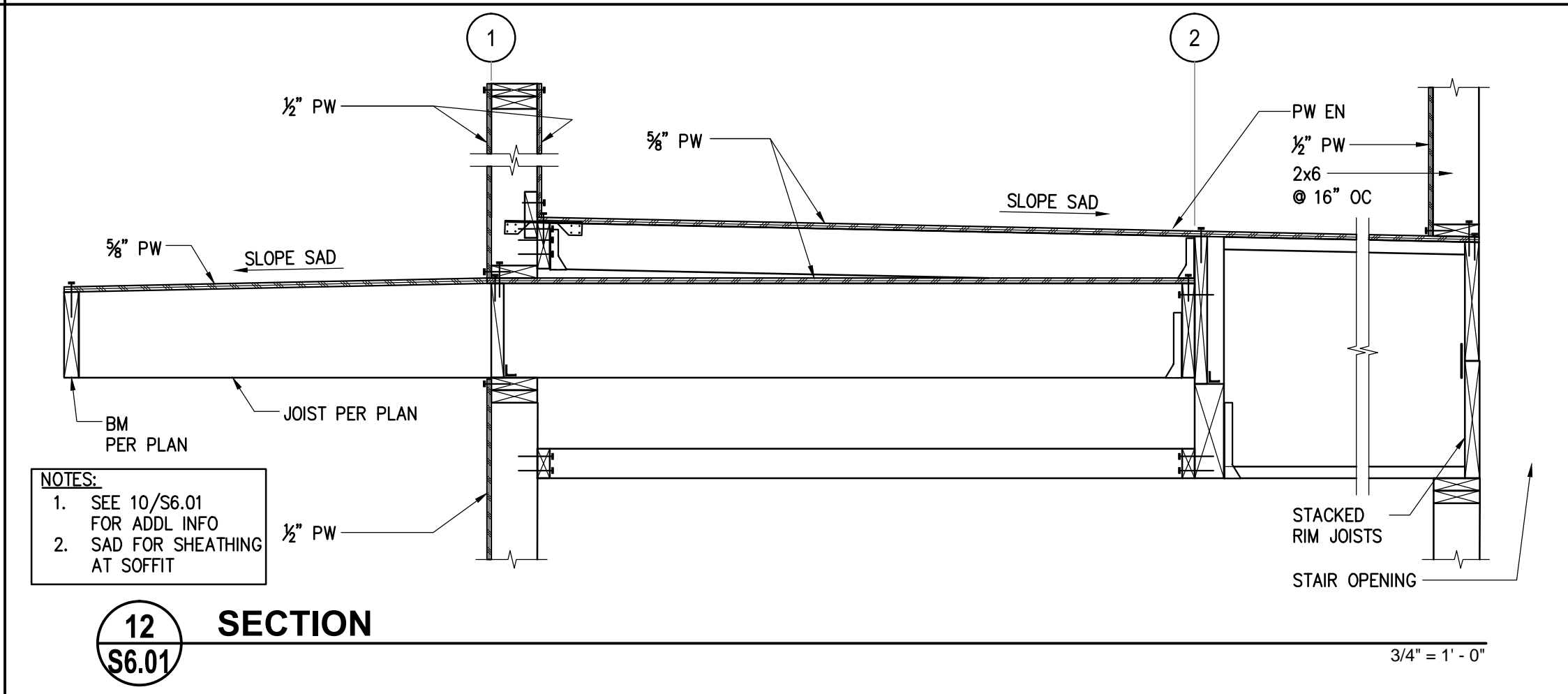
**3 SECTION**  
S6.01

3/4" = 1' - 0"



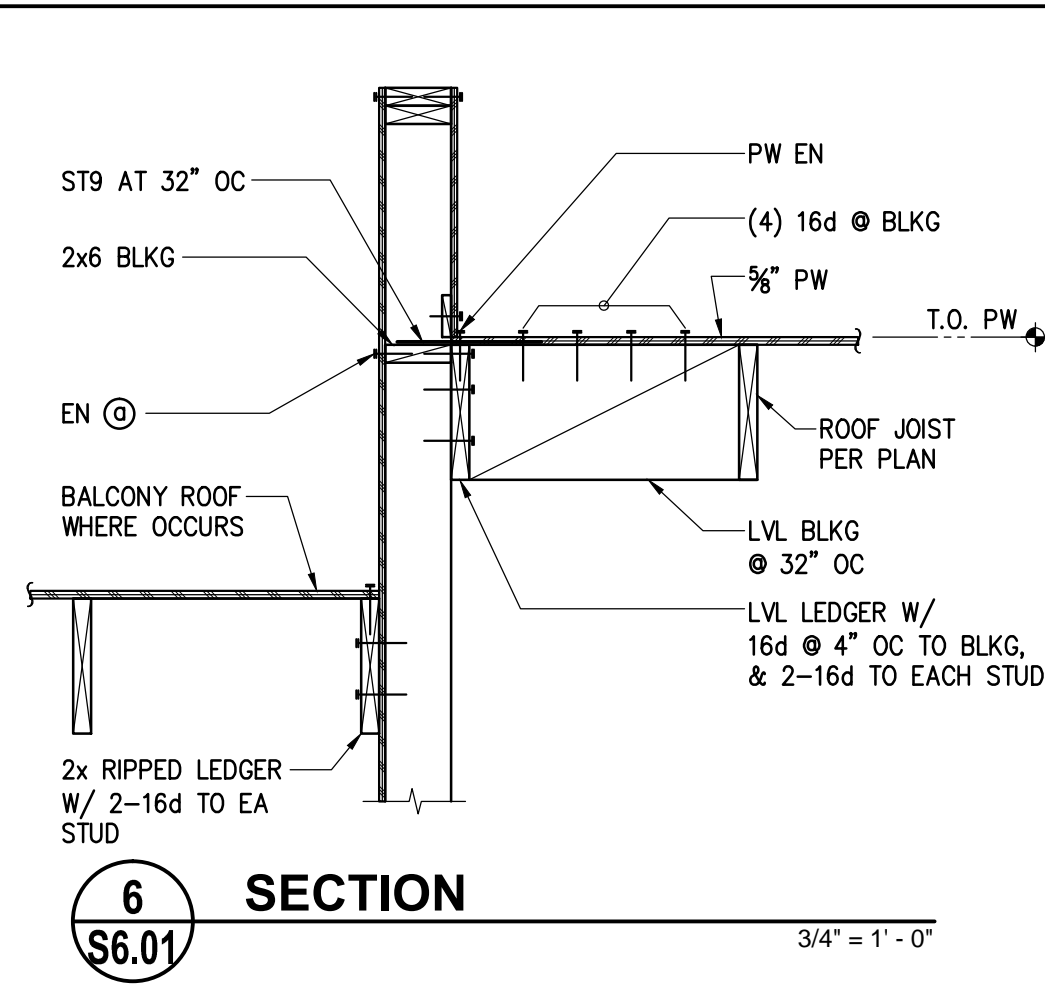
**20 SECTION**  
S6.01

3/4" = 1' - 0"



**12 SECTION**  
S6.01

3/4" = 1' - 0"



**6 SECTION**  
S6.01

3/4" = 1' - 0"

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DAVID A. HART  
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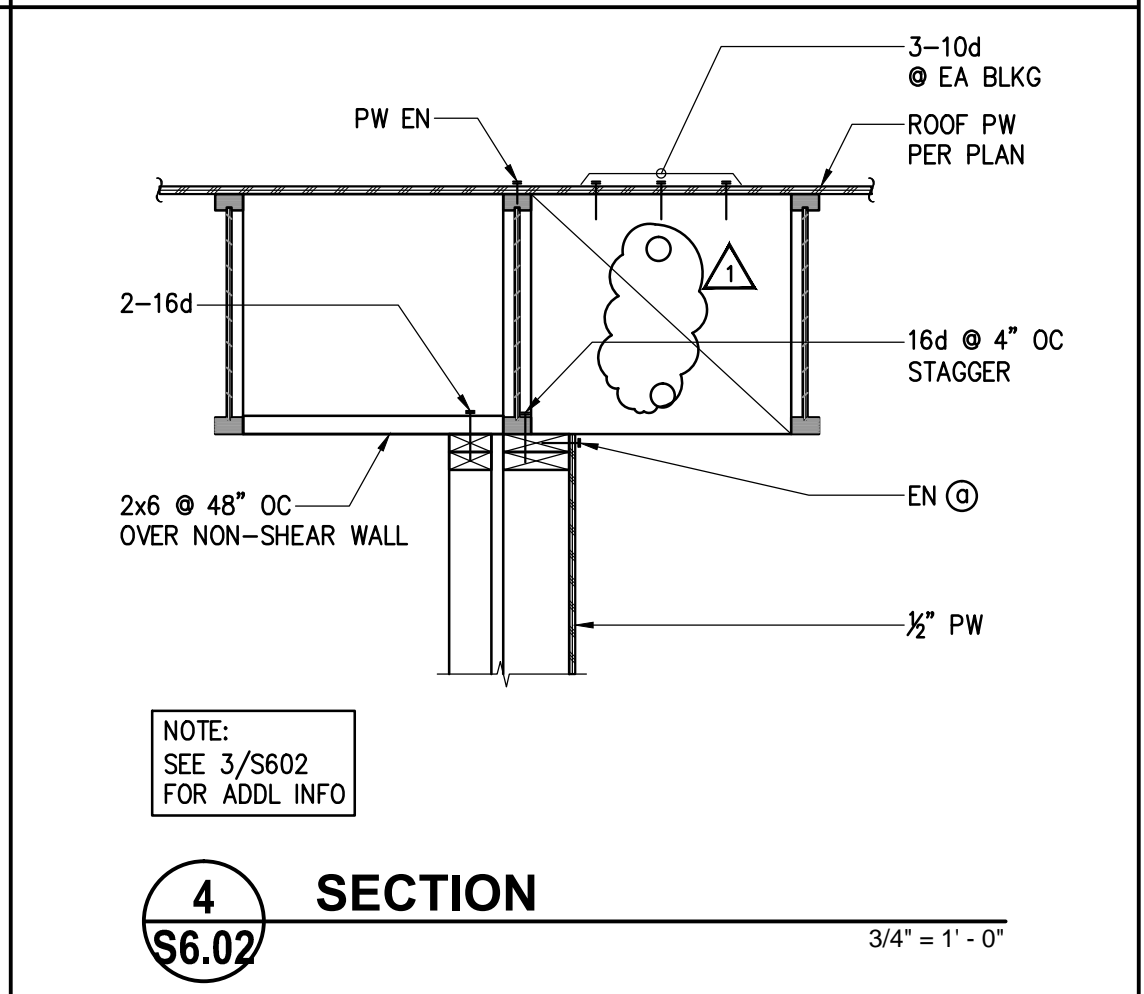
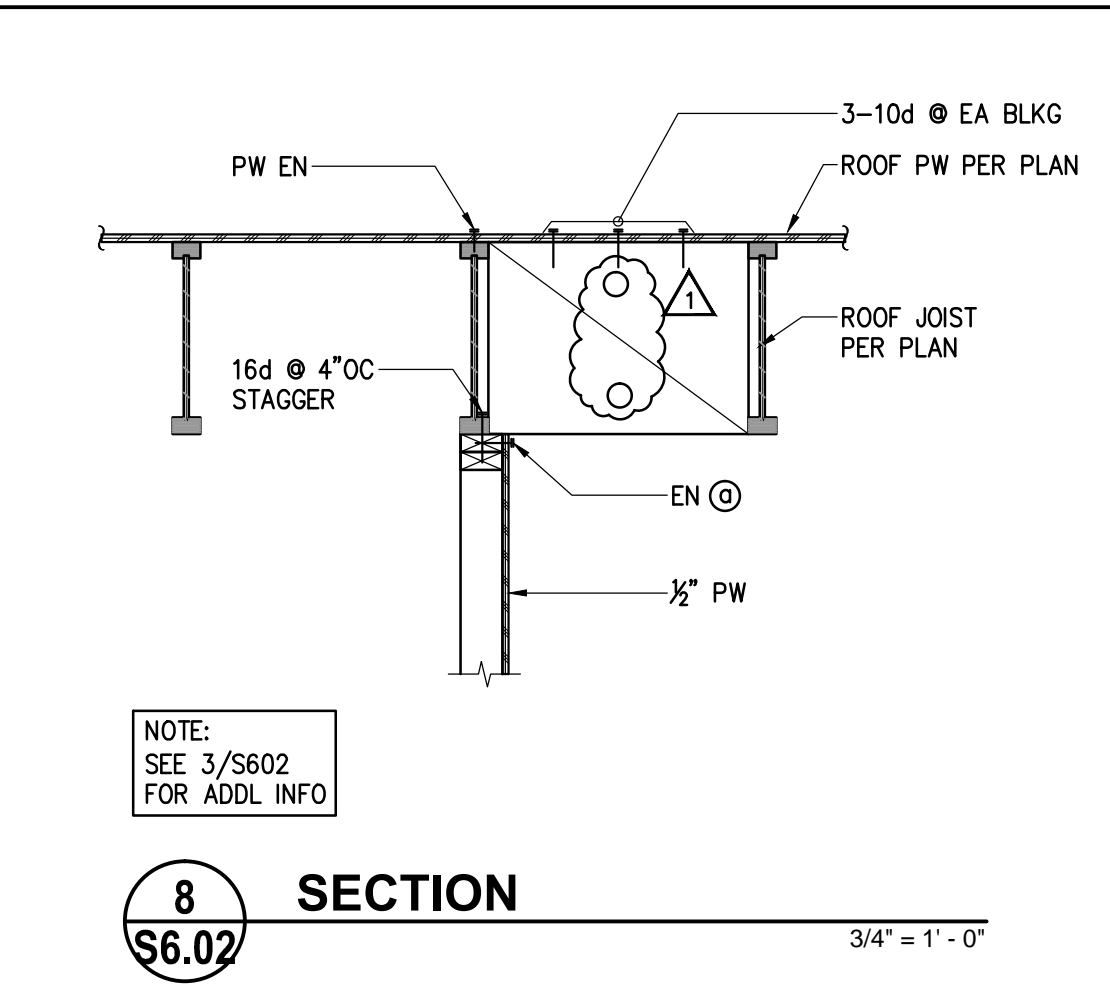
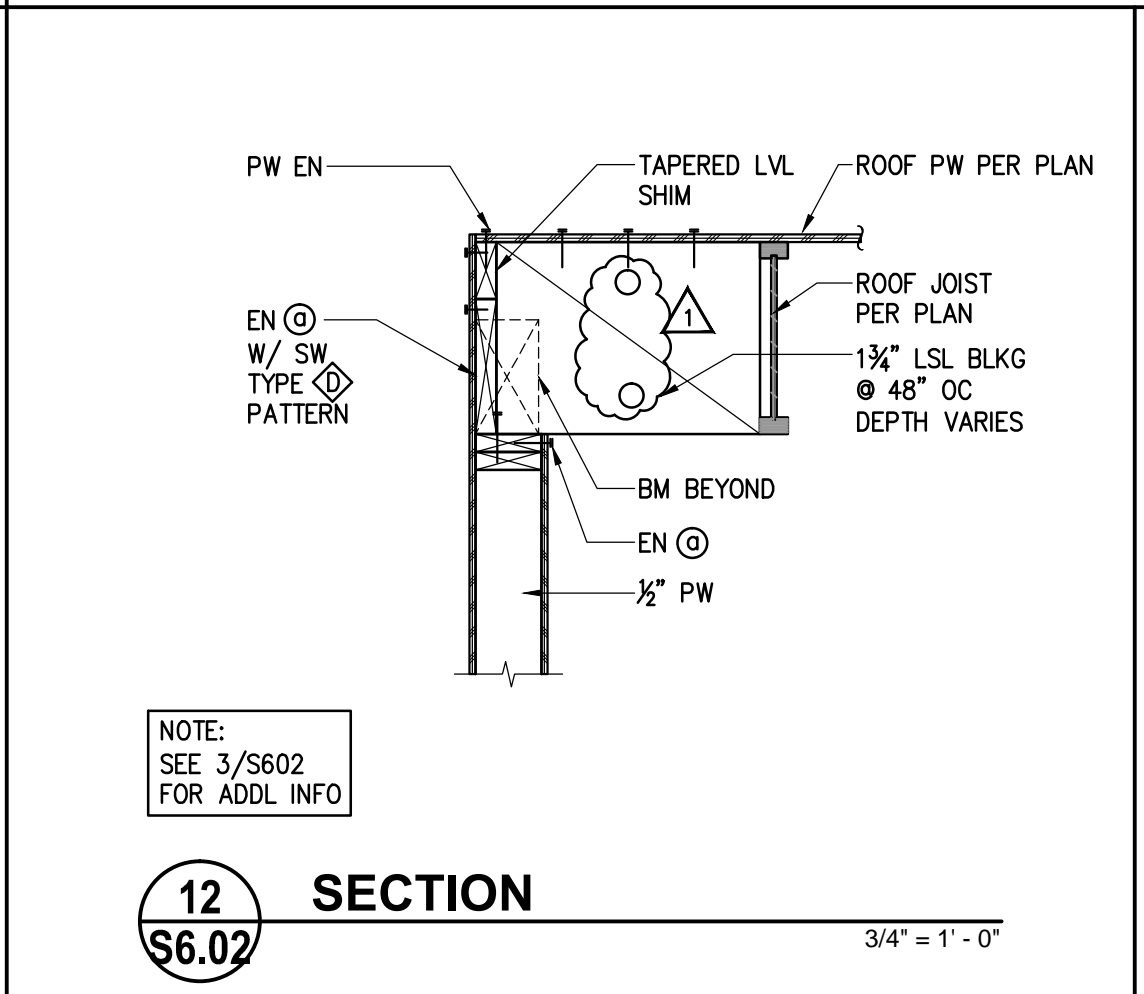
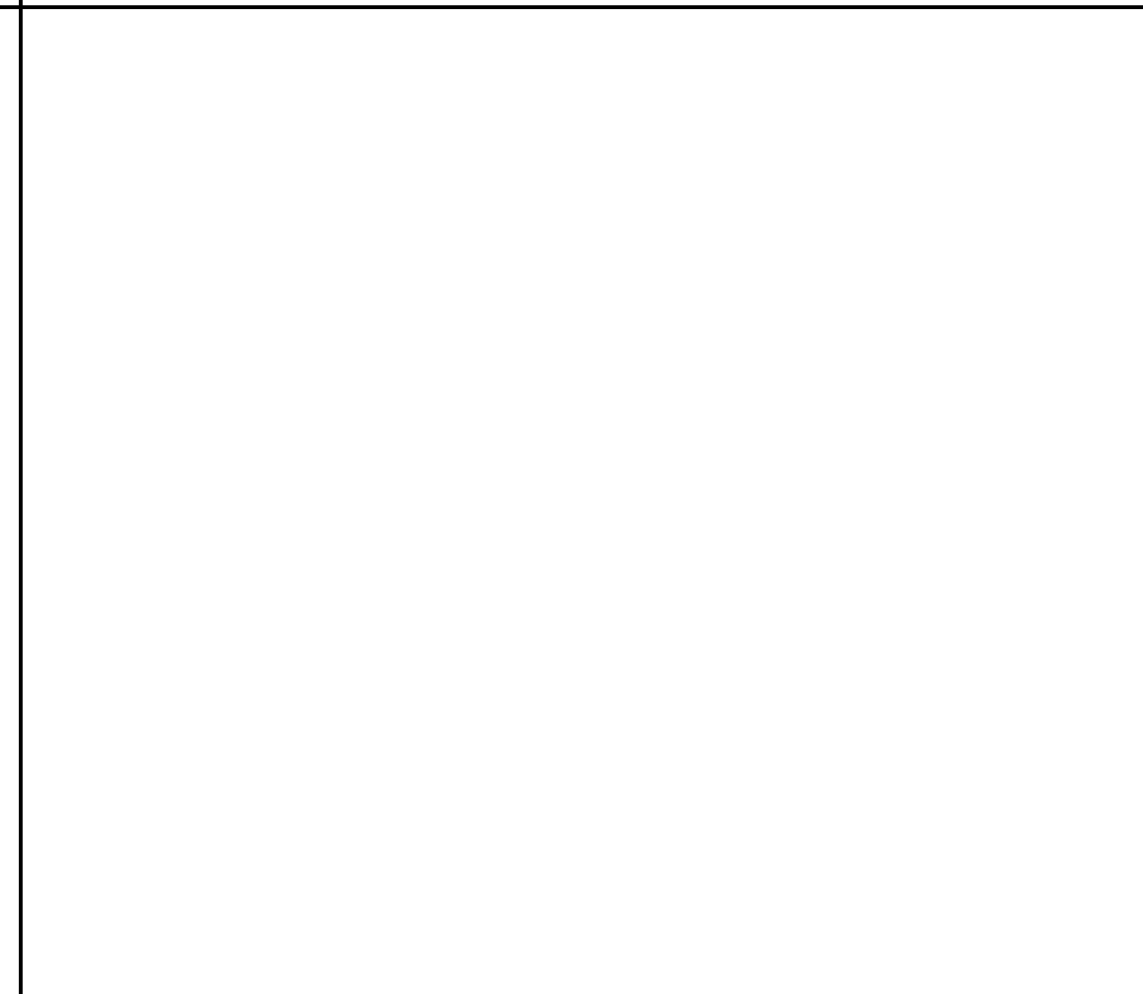
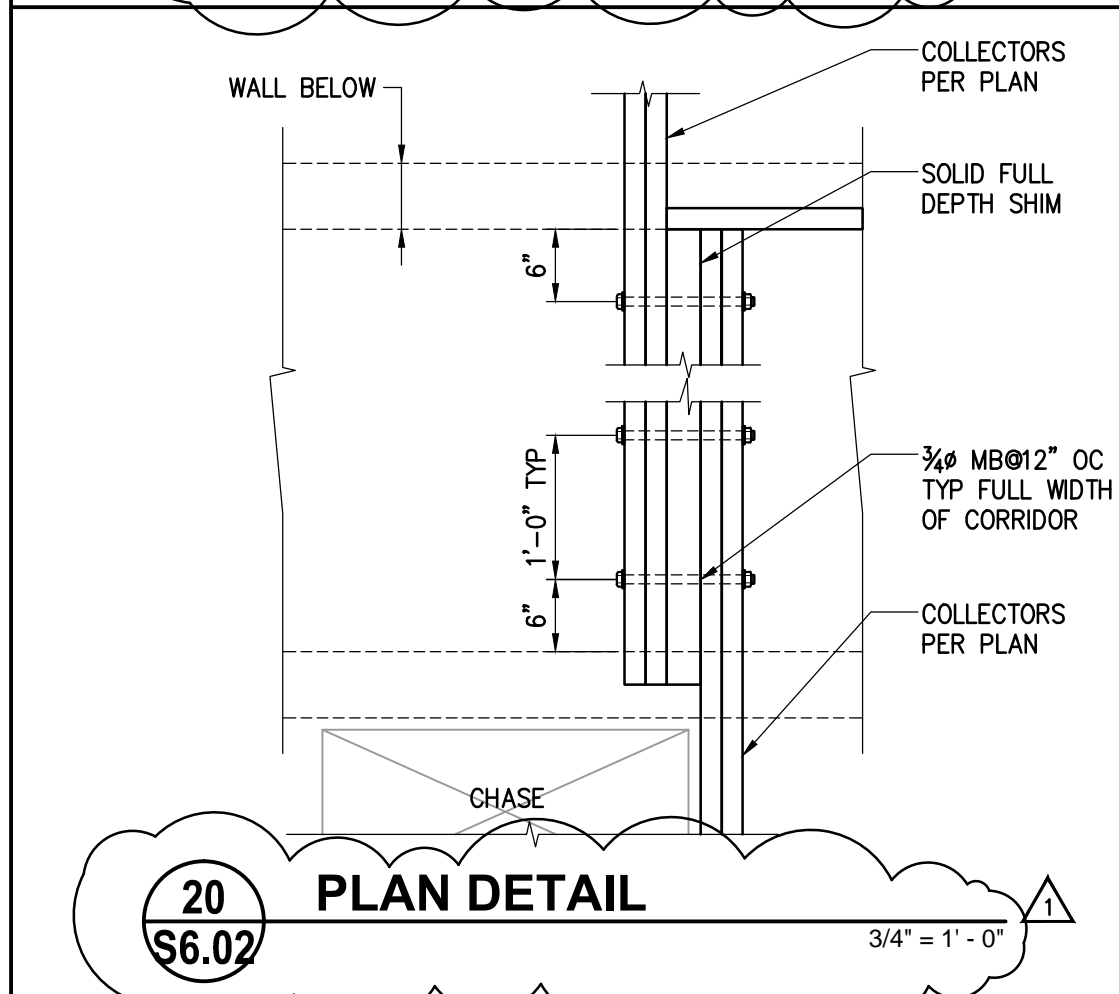
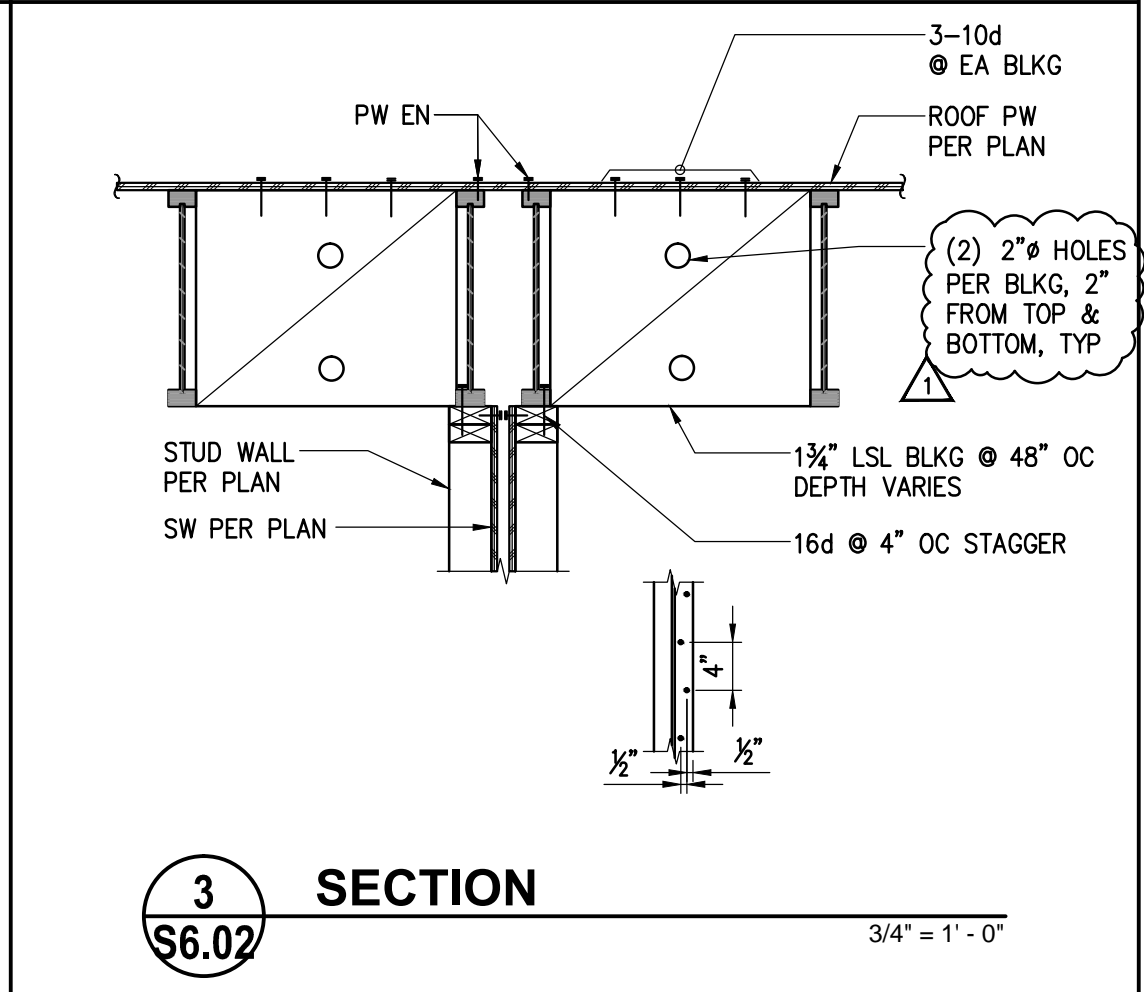
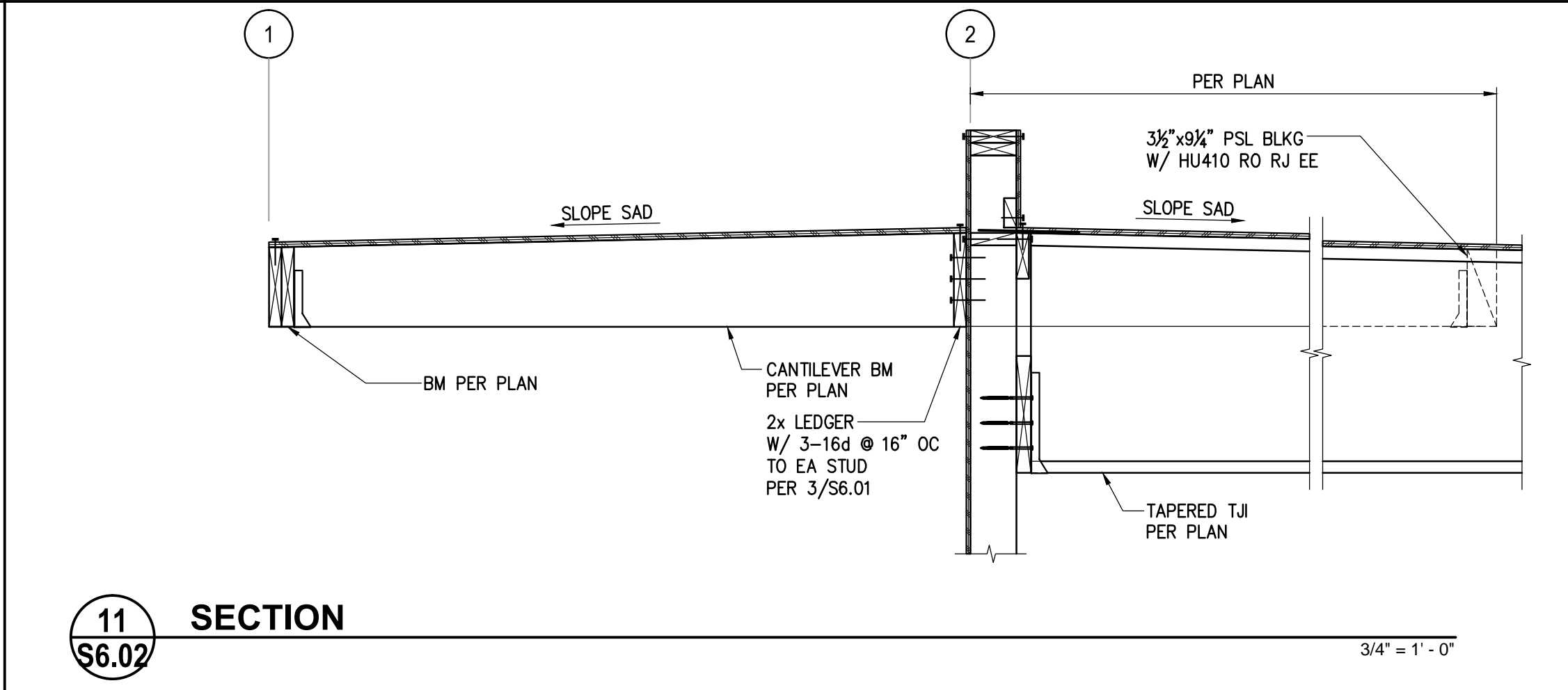
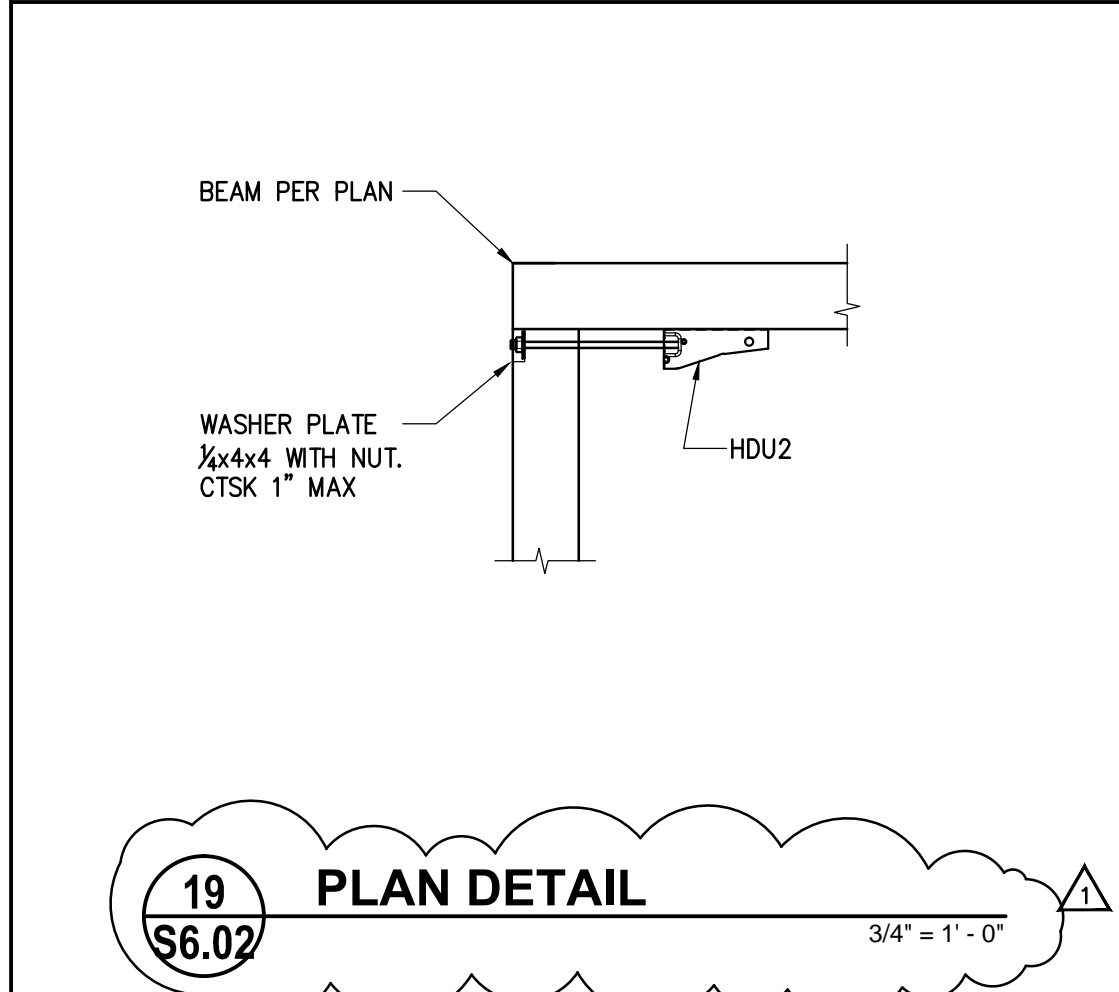
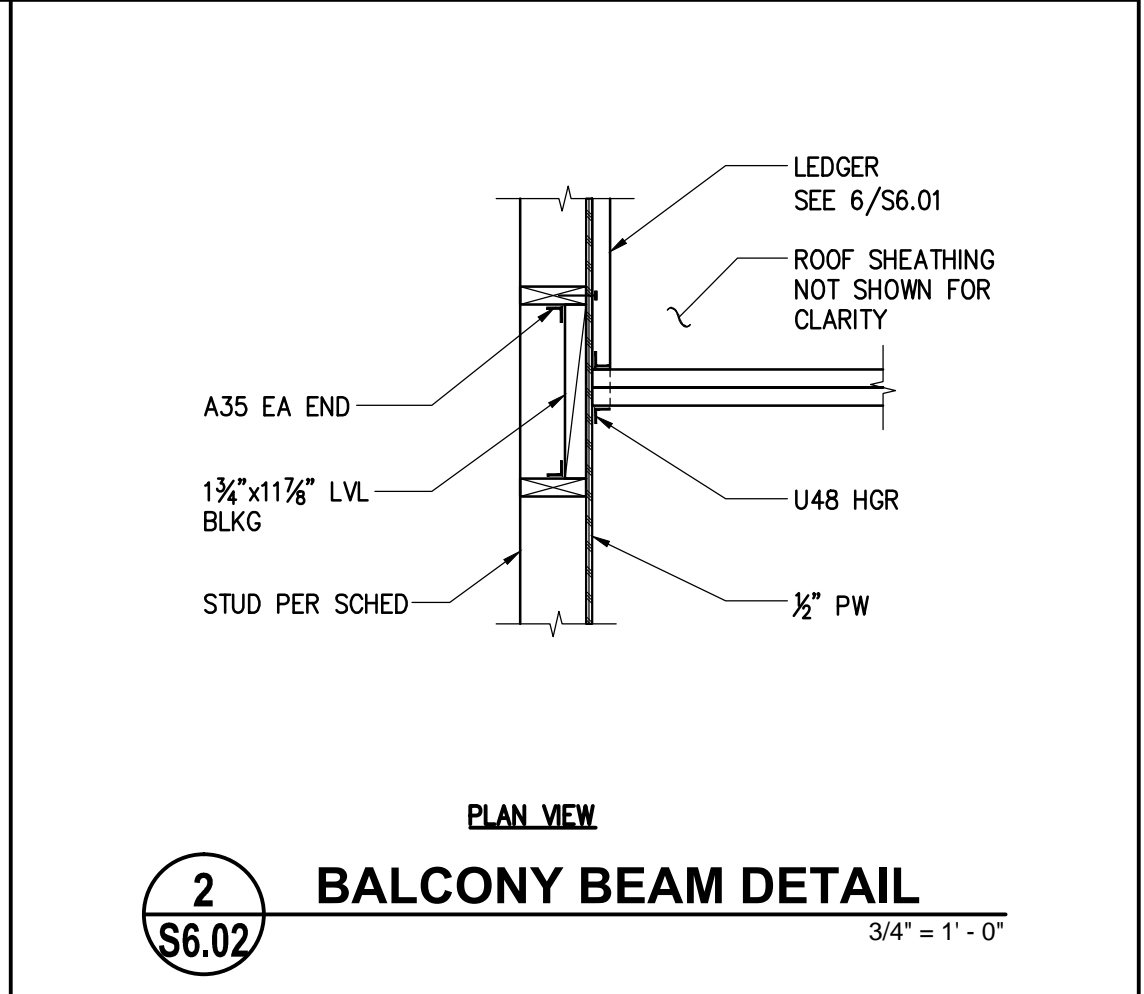
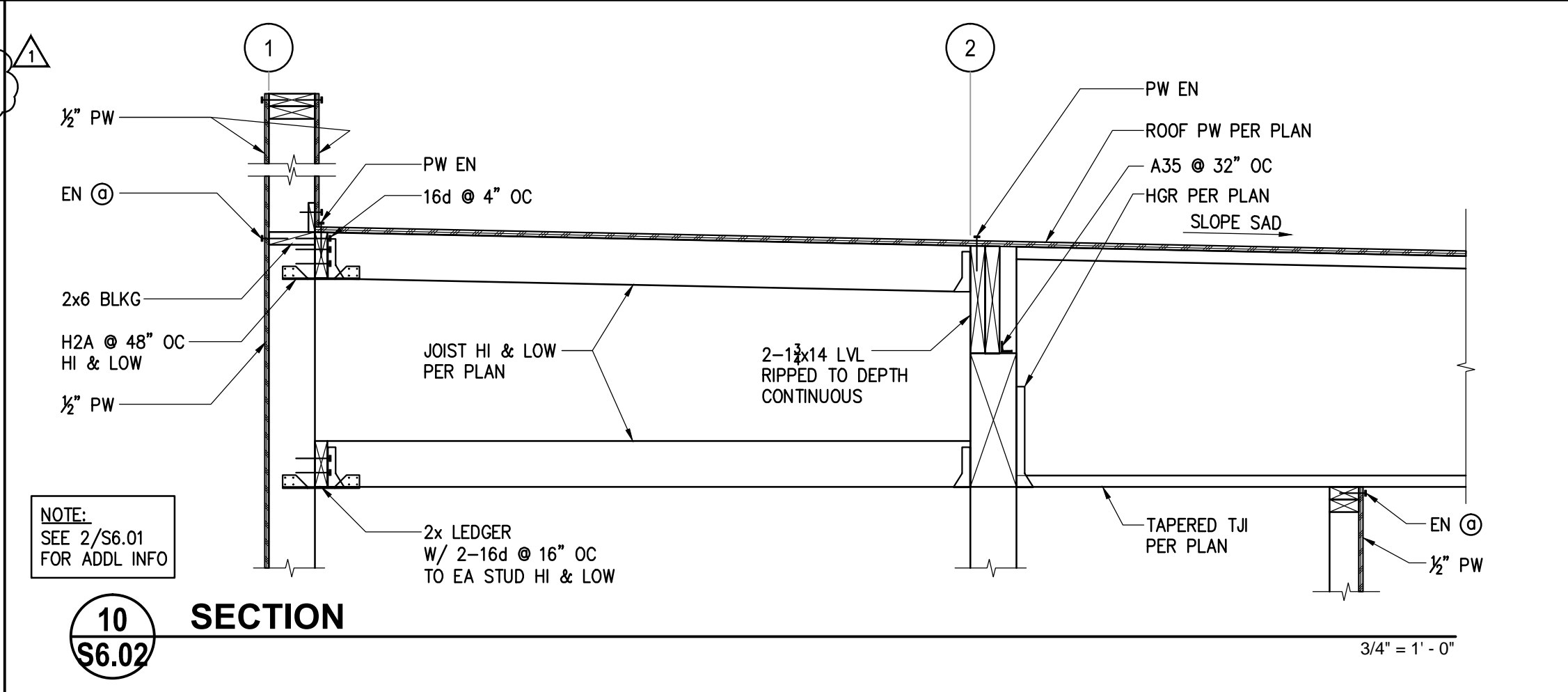
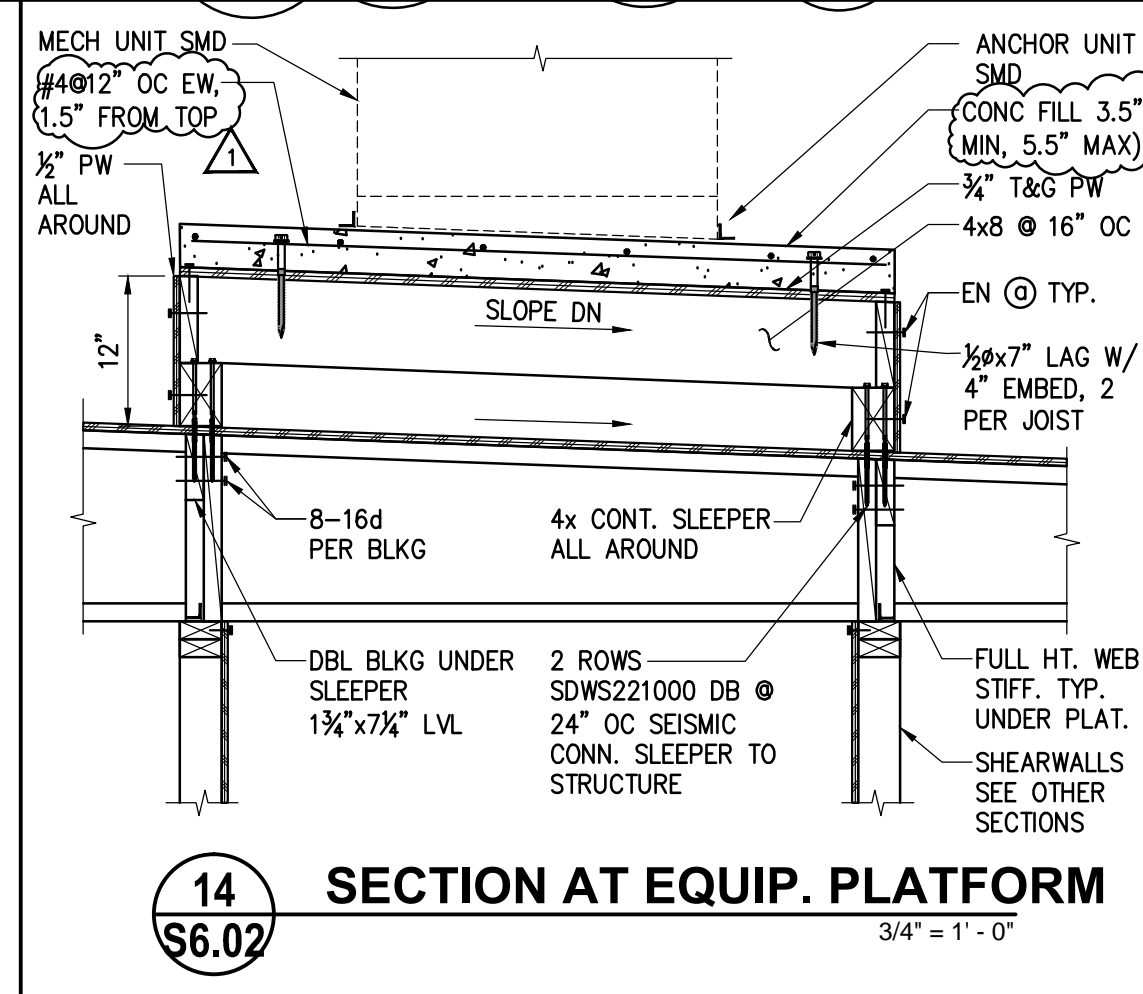
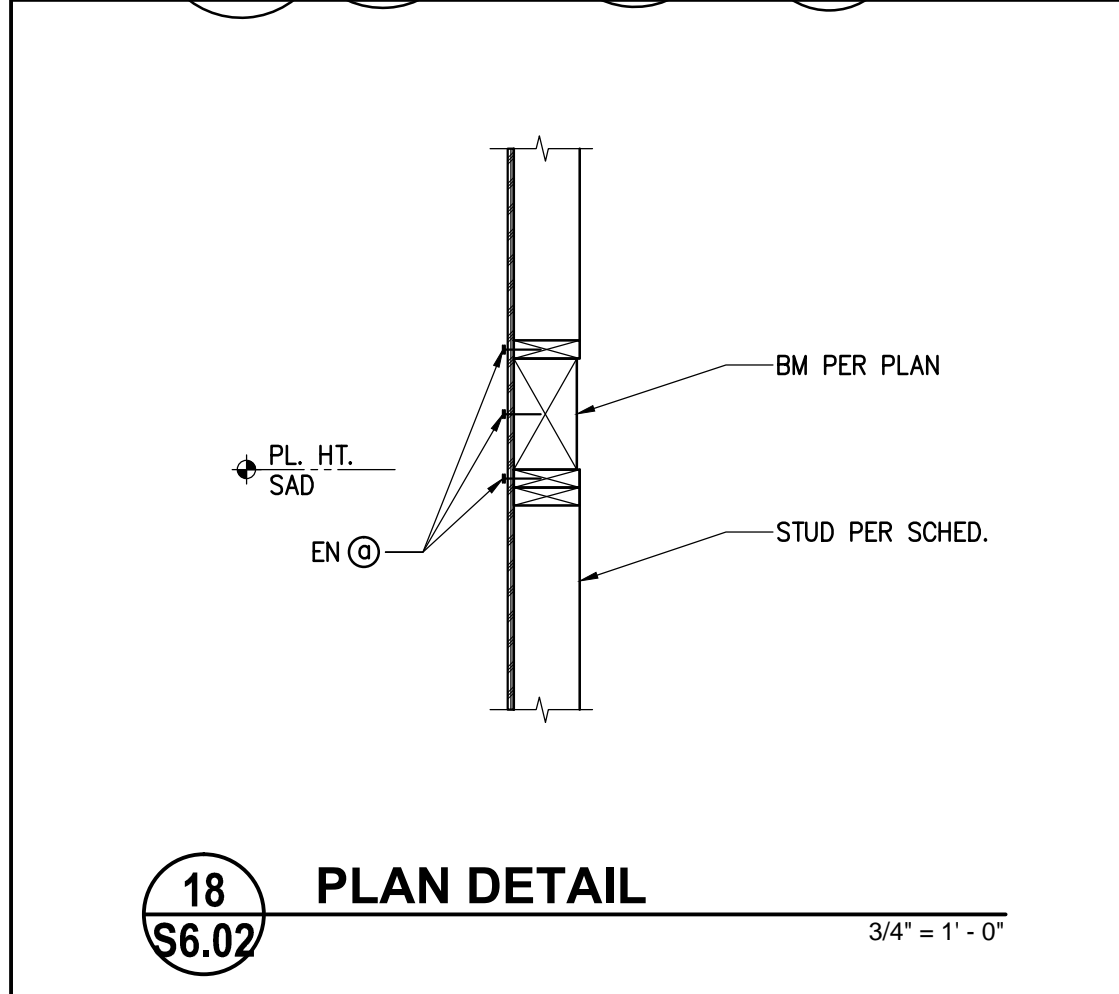
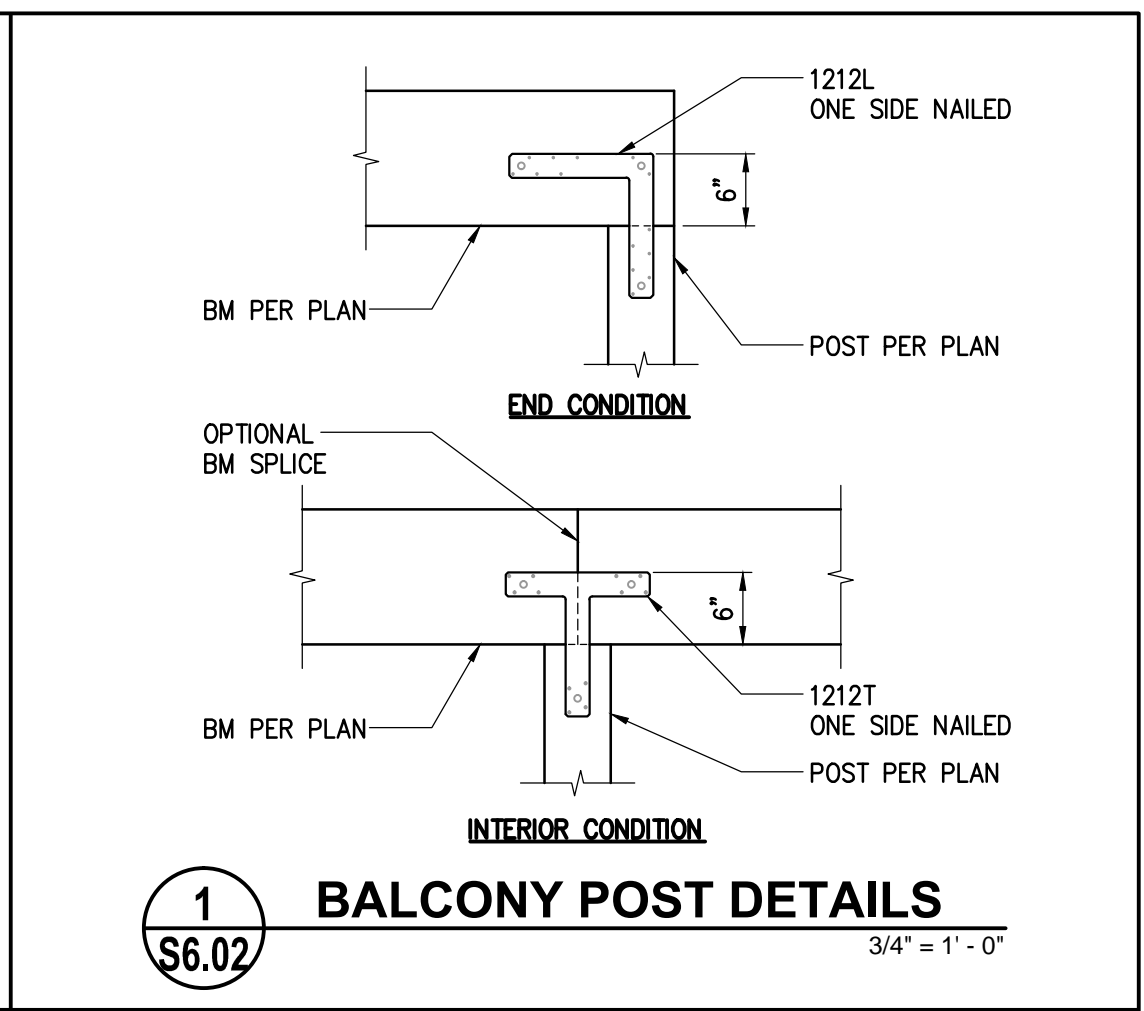
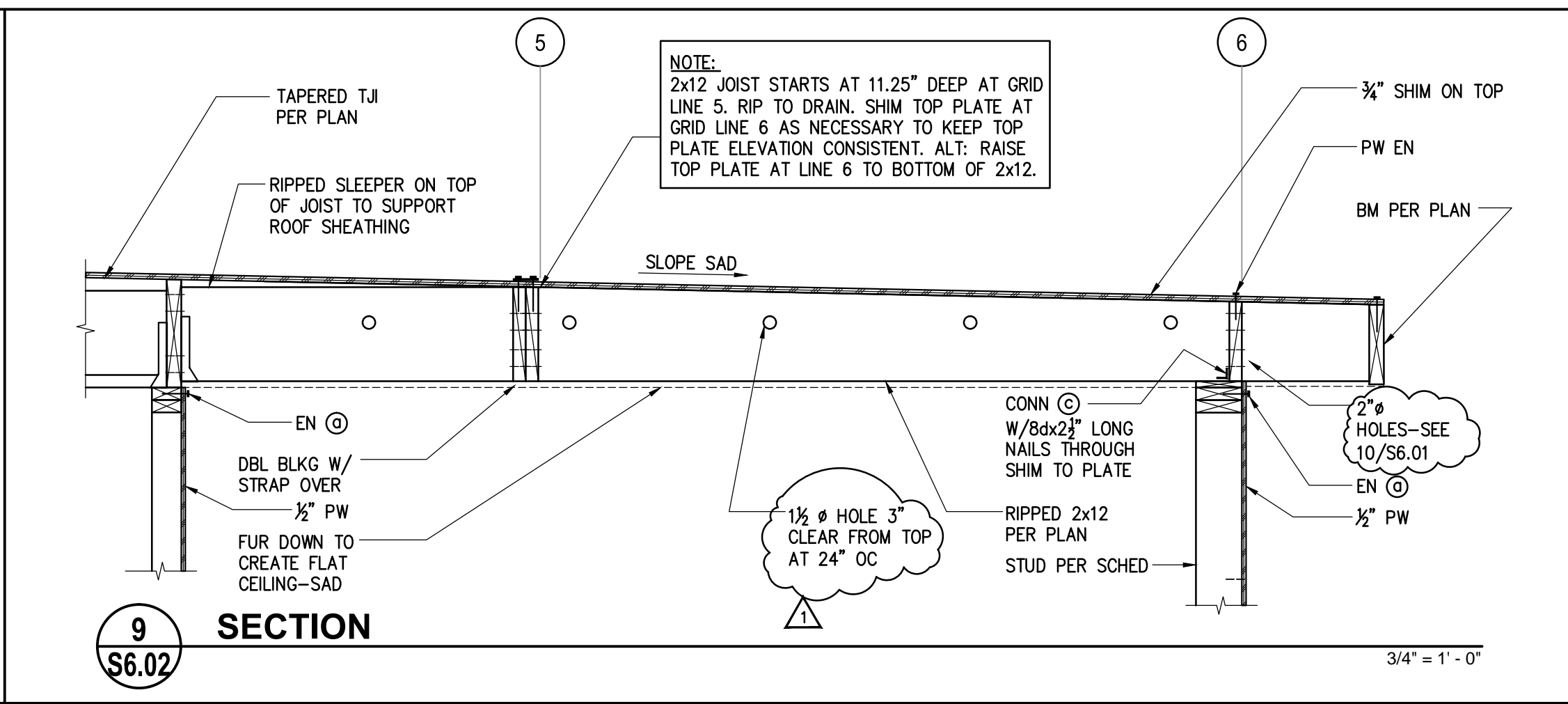
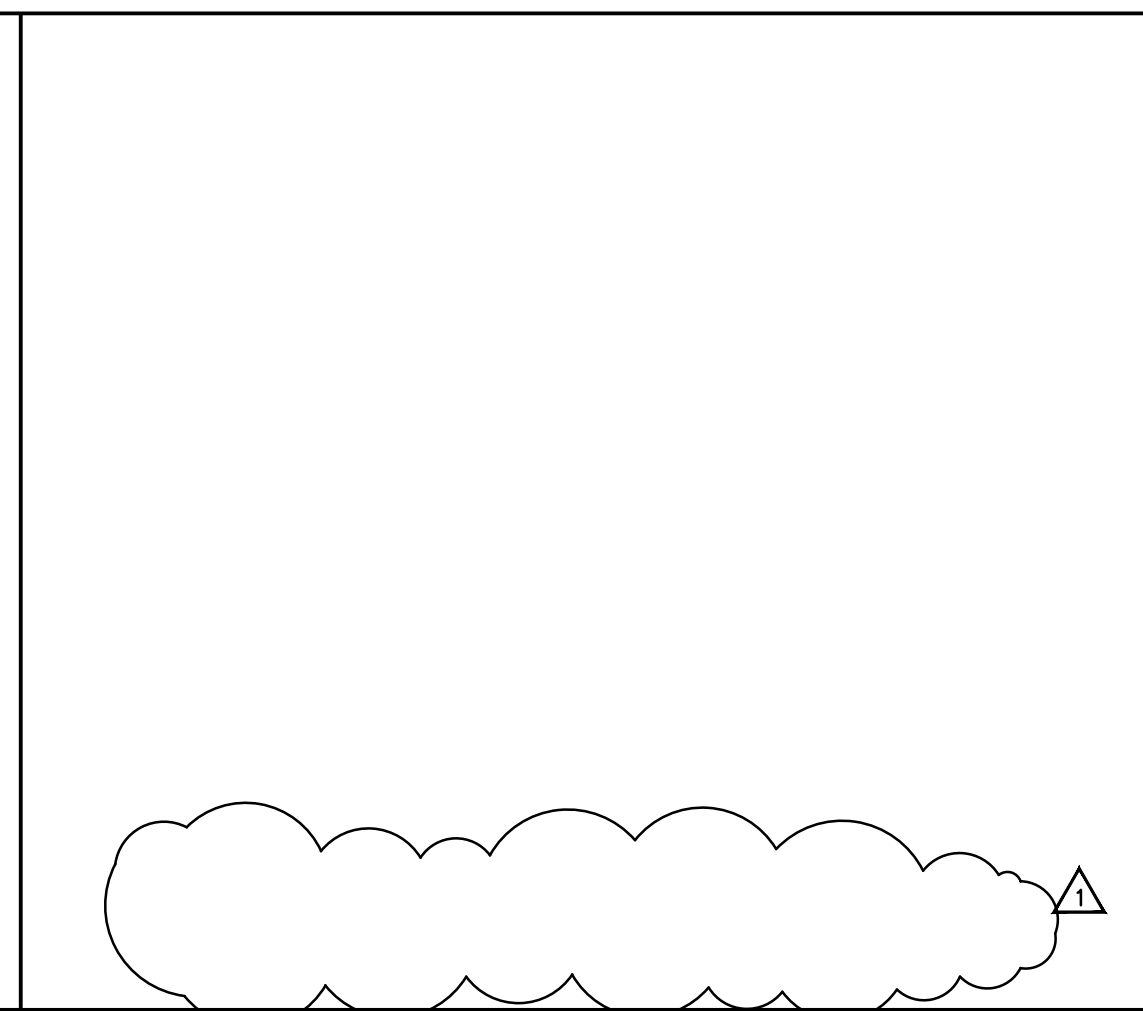
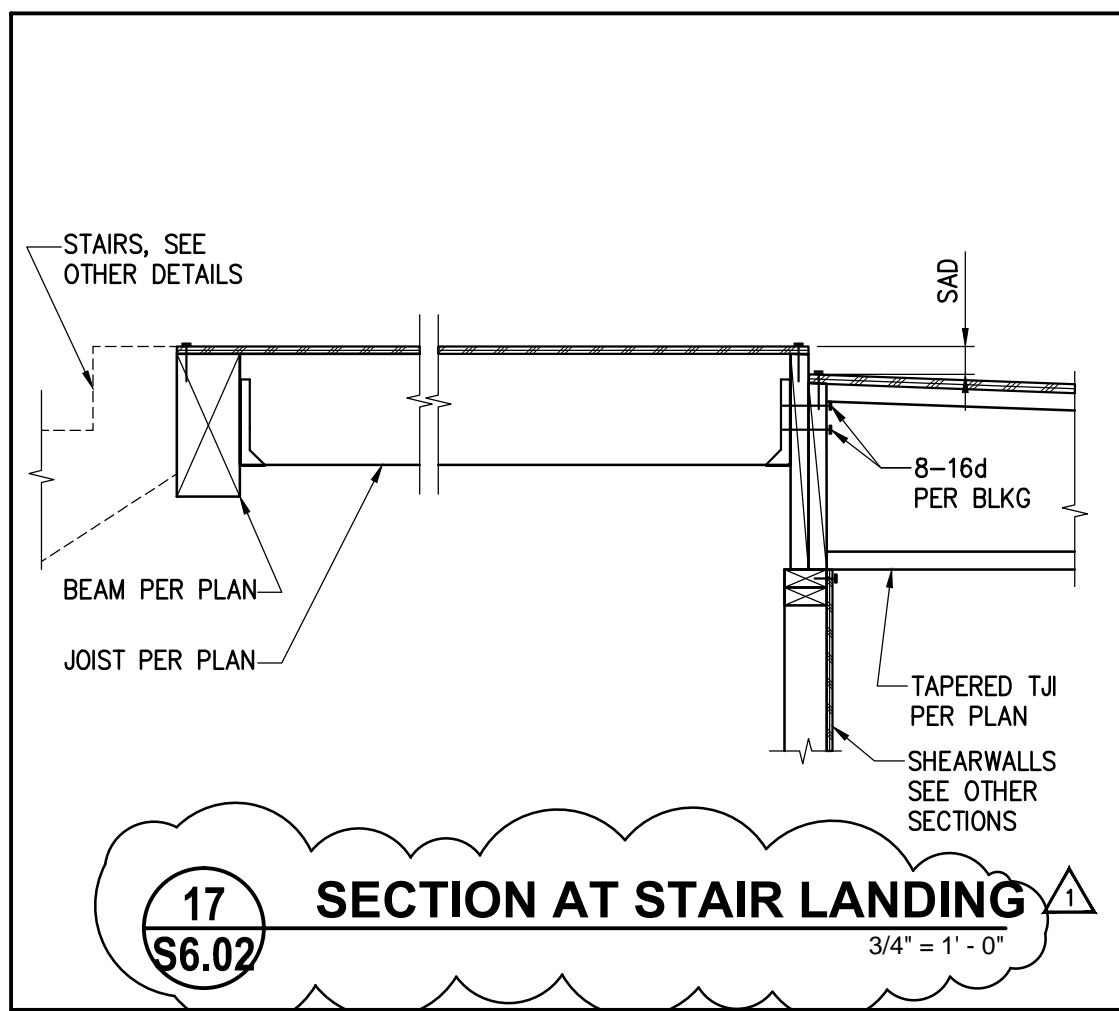
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job number 201517.00  
drawing ROOF SECTIONS AND DETAILS  
sheet number S6.02