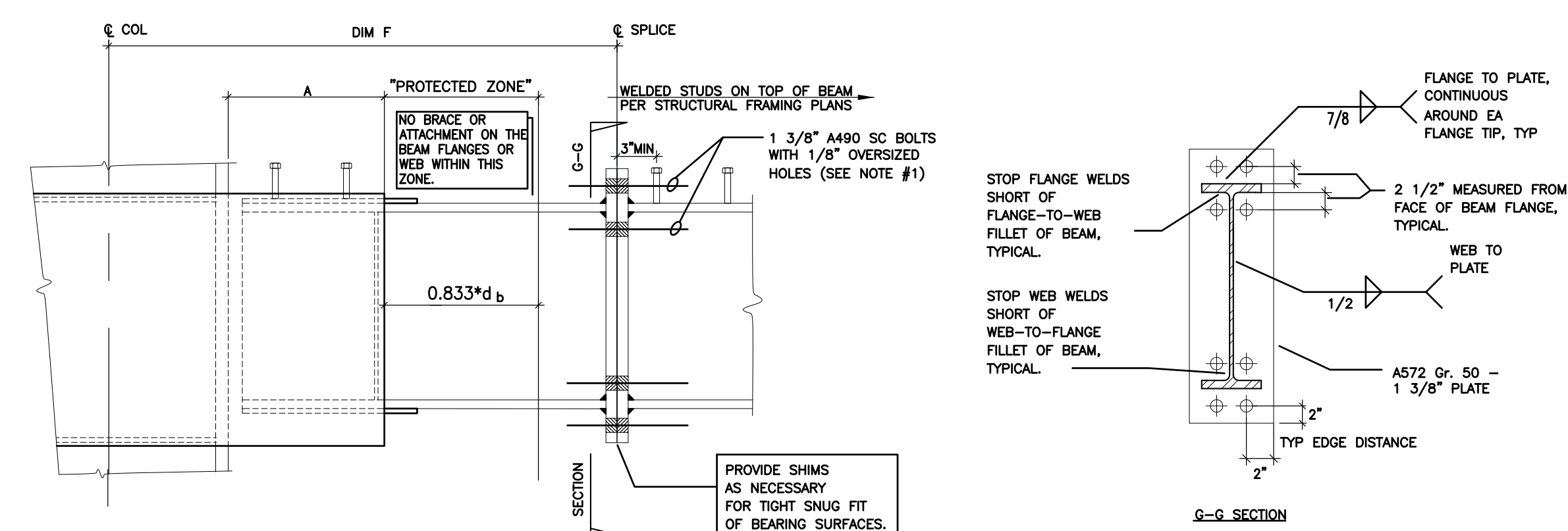


SIDEPLATE® CONNECTION SCHEDULE (A SERIES)

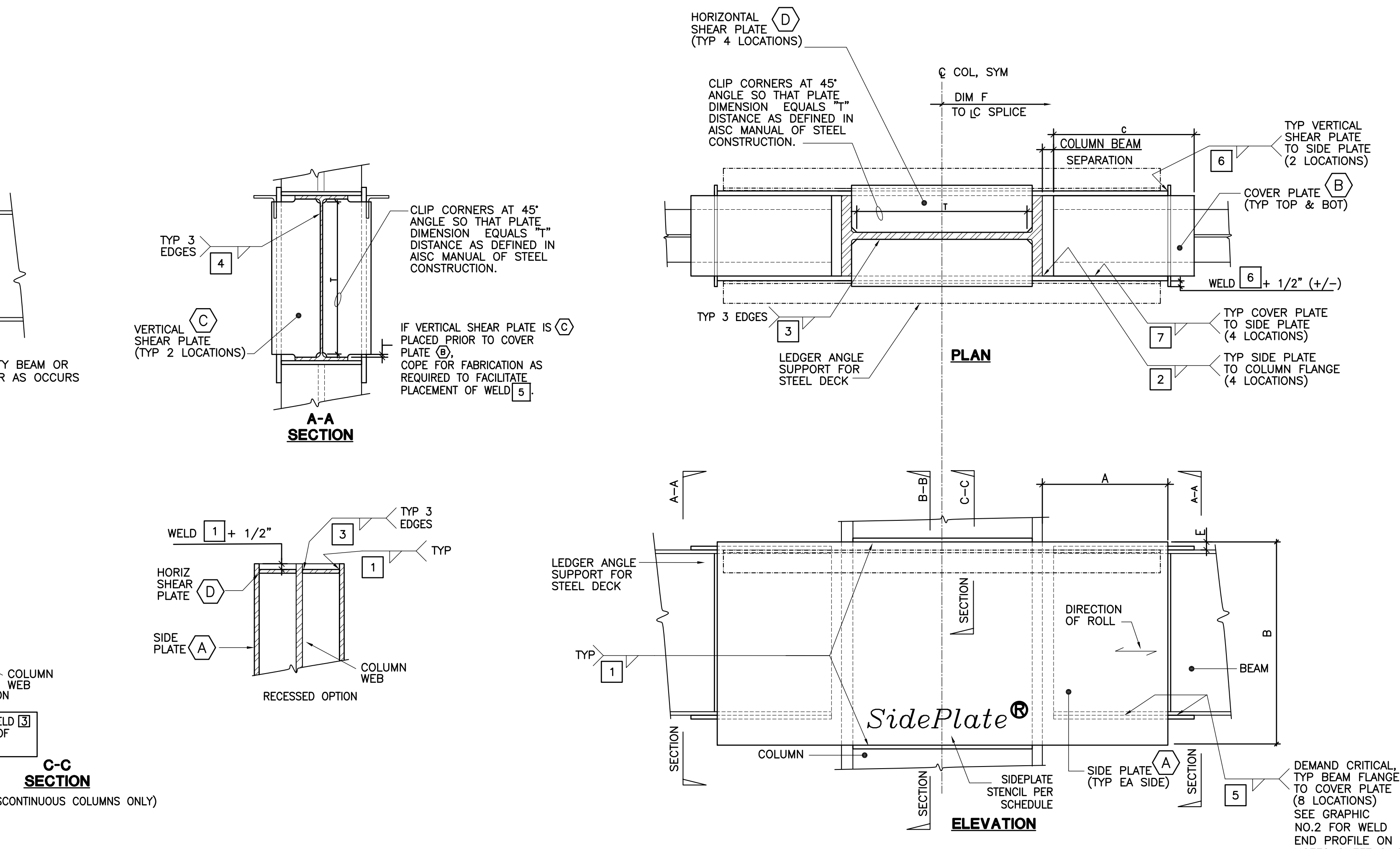
CONNECTION ID	COLUMN	BEAM	COLUMN/ BEAM SEPARATION	DIMENSION						PLATE THICKNESS				WELD SIZE							SIDEPLATE STENCIL PLACEMENT SCHEDULE
				A	B	C	E	F	A	B	C	D	1	2	3	4	5	6	7		
A1	W10X	W10X26	1 1/2	11	14	13 1/2	1 1/4	M	5/8	1/2	3/8	3/8	1/4	5/16	1/4	5/16	3/8	5/16	1/2	PLACE SIDEPLATE STENCIL ON THE OUTWARD-FACING SIDE OF PLATE (A) IN ACCORDANCE WITH SPECIAL MOMENT FRAME (SMF) - SIDEPLATE® UNIAxIAL ONE AND TWO-SIDED CONNECTIONS (SERIES A, B AND C) NOTES, PROPRIETARY IDENTITY, SECTION 1.6 AT THE FOLLOWING GRIDS: 1, 6, 11 & 15	
A2	W10X, W12X	W10X45	2	11	15	16	2	M	7/8	7/8	3/8	3/8	5/16	1/2	3/8	5/16	1/2	5/16	13/16		

ONE - SIDED CONNECTION DETAIL



- NOTES:**
- ALL BOLTS USED TO FASTEN PAIRS OF END PLATES SHALL CONFORM TO ASTM A490 SC (SLIP CRITICAL/TENSION CONTROL) HEAT TREATED HIGH-STRENGTH BOLTS WITH HARDENED HEAVY HEX NUTS, AND SHALL USE NOMINAL OVERSIZE HOLES EQUAL TO THE DIAMETER OF THE BOLT PLUS 1/8 INCH. ALL BOLTS AS SPECIFIED SHALL FULLY COMPLY WITH ALL PROVISIONS OF THE SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A490 SC BOLTS (REFER TO AISC STEEL CONSTRUCTION MANUAL, 13TH EDITION. ONLY 5/16 INCH THICK HARDENED WASHERS SHALL BE USED. A WASHER SHALL BE USED UNDER BOTH THE BOLT HEAD AND THE NUT.
 - ALL A572 PLATES MUST BE GAS CUT OR SAW CUT. NO SHEARED PLATE EDGES ALLOWED.
 - BOLTS IN A BOLT GROUP AT EACH BEAM FLANGE SHALL BE LOCATED SYMMETRICALLY TO EACH OTHER.

OPTION 1, FIELD BOLTED LINK BEAM SPLICE

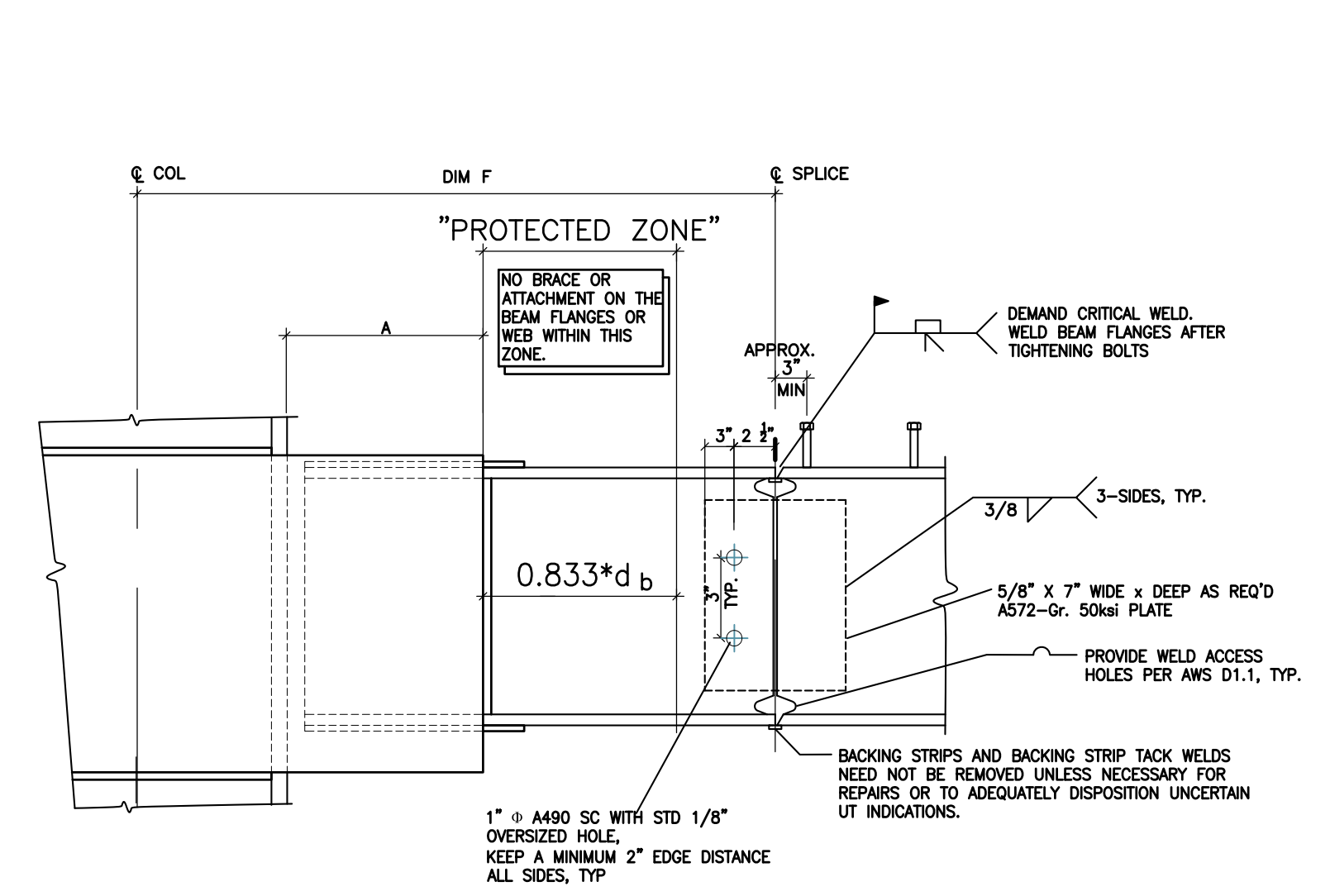


SIDEPLATE® CONNECTION SCHEDULE (B SERIES)

CONNECTION ID	COLUMN	BEAM	COLUMN/ BEAM SEPARATION	DIMENSION						PLATE THICKNESS				WELD SIZE						
				A	B	C	E	F	A	B	C	D	1	2	3	4	5	6	7	
B1	W10X	W10X26	1 3/4	11	14	13 1/2	1 1/4	M	5/8	1/2	3/8	3/8	5/16	9/16	3/8	5/16	3/8	5/16	1/2	
B2	W10X, W12X	W10X45	2 1/2	11	15	15 1/2	2	M	1	7/8	3/8	1/2	7/16	15/16	9/16	7/16	*5/8	3/8	7/8	

* FULL FLANGE THICKNESS WELD

TWO - SIDED CONNECTION DETAIL

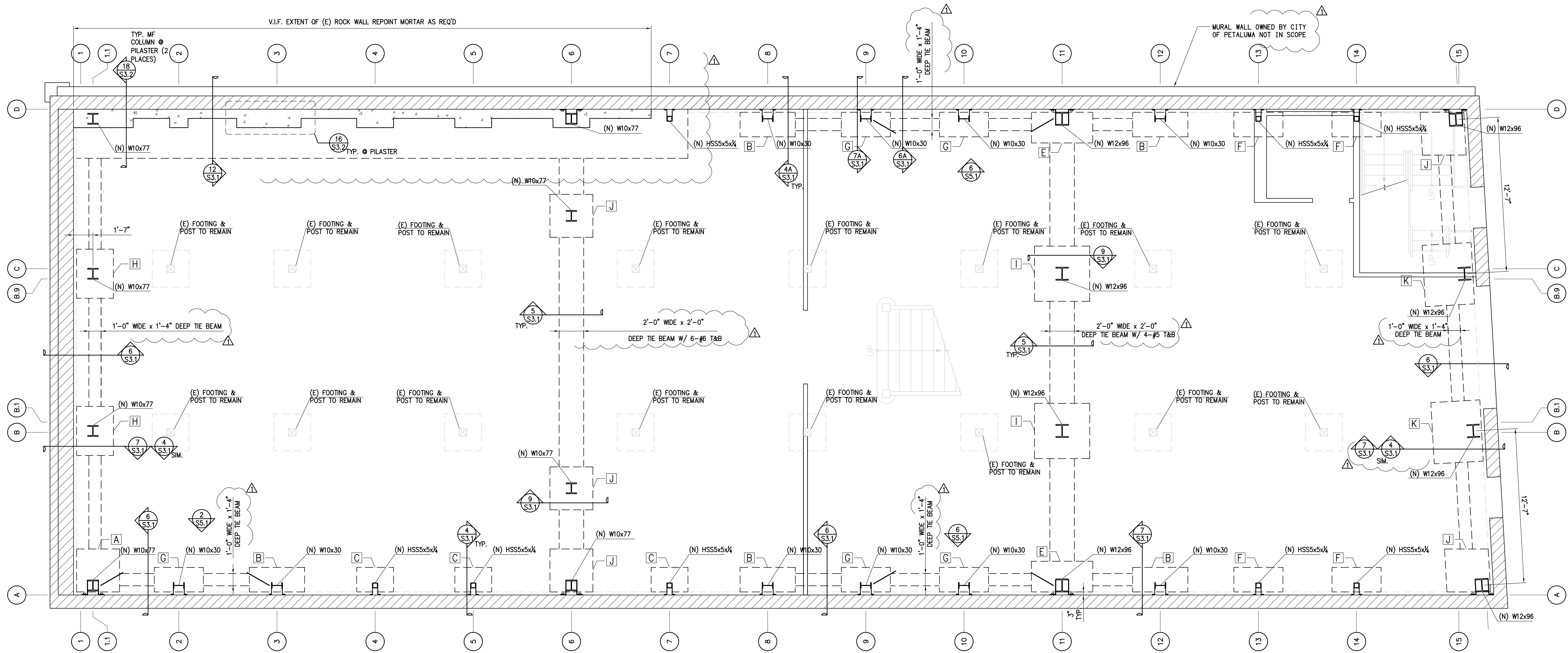


- NOTES:**
- ALL PLATES TO BE ASTM A572 GRADE 50
 - SEE SHEETS S1.3 & S1.5 FOR ADDITIONAL INFORMATION REGARDING SIDEPLATE® MOMENT RESISTING FRAME CONNECTIONS.
 - ICCES AND THE CITY OF LOS ANGELES HAVE PREQUALIFIED USE OF SIDEPLATE® WITHOUT RESTRICTION ON ALL PRACTICABLE COMBINATIONS OF COLUMN AND BEAM SIZES (ICCES ESR-1275 AND COLA RR 25393).
 - PER THE CONSTRUCTION GUIDELINES FOUND ON SHEET S1.5 THE FABRICATOR MAY CHOOSE THE RECESSED OPTION, IN LIEU OF THE POPPED-OUT OPTION SHOWN HERE, FOR THE HORIZONTAL AND VERTICAL STIFFENER PLATES (PLATE 'D' AND 'C' RESPECTIVELY).
 - UNAVAILABLE PLATE THICKNESSES MAY BE SUBSTITUTED WITH A THICKER PLATE, WITH THE WRITTEN APPROVAL OF SIDEPLATE SYSTEMS, INC AND THE SEOR.
 - * = FULL FLANGE THICKNESS WELD
 - M = F DIM LENGTH SHALL BE THE MIDSPAN OF BEAM

NOTICE OF PROPRIETARY INFORMATION

The SidePlate® steel frame connection information herein is PROPRIETARY information belonging to SidePlate Systems Inc., Tel. (800) 475-2077 and Tel. (949) 305-7889, Fax. (949) 305-6395, E-mail: solutions@sideplate.com, www.sideplate.com. The SidePlate® Connection Technology is patented in the U.S.A. (U.S. Patent nos. 5,660,017, 6,138,427, 6,516,583, 6,591,573 & 7,178,296) and other countries, with other patents applied for. Use or disclosure of this information is strictly prohibited except as authorized in writing by SidePlate Systems, Inc. Violators will be prosecuted in accordance with U.S.A. and Foreign Patent and Intellectual Property Laws.

OPTION 2, FIELD BOLTED/WELDED LINK BEAM SPLICE



- FOUNDATION NOTES:**
- SEE SHEET S1.1 FOR GENERAL NOTES
 - SEE SHEETS S1.2 FOR TYPICAL DETAILS
 - SAD FOR SLOPES, ELEVATIONS, DIMENSIONS, ETC
 - ALL COLUMNS & COLLECTOR BEAMS ALONG GRIDLINES "A" & "D" SHALL BE ALIGNED W/ W12x96 COLUMNS

FOUNDATION LEGEND

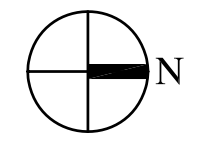
- INDICATES (E) FOOTING
- - - INDICATES (N) FOOTING
- INDICATES BRACE FRAME PER ELEVATION
- # INDICATES FOOTING TYPE PER SCHEDULE
- ▨ (E) BRICK, ROCK OR CONCRETE WALL V.I.F.
- (N) CONCRETE WALL

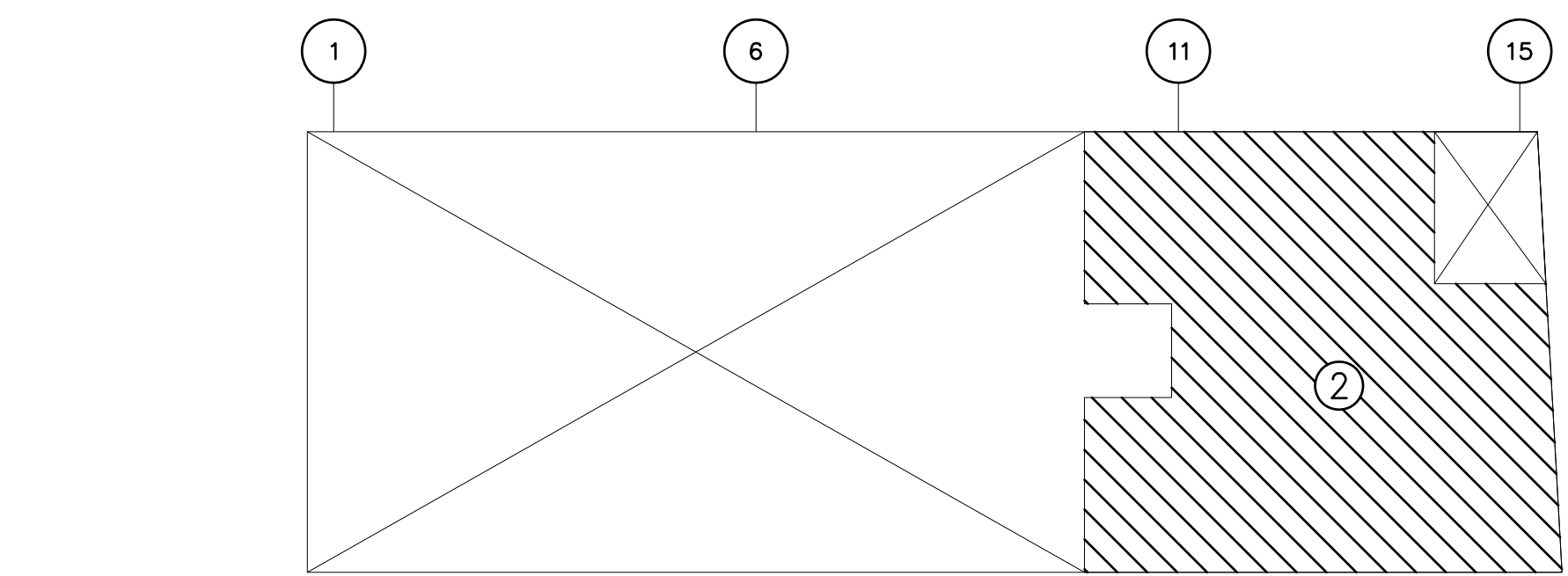
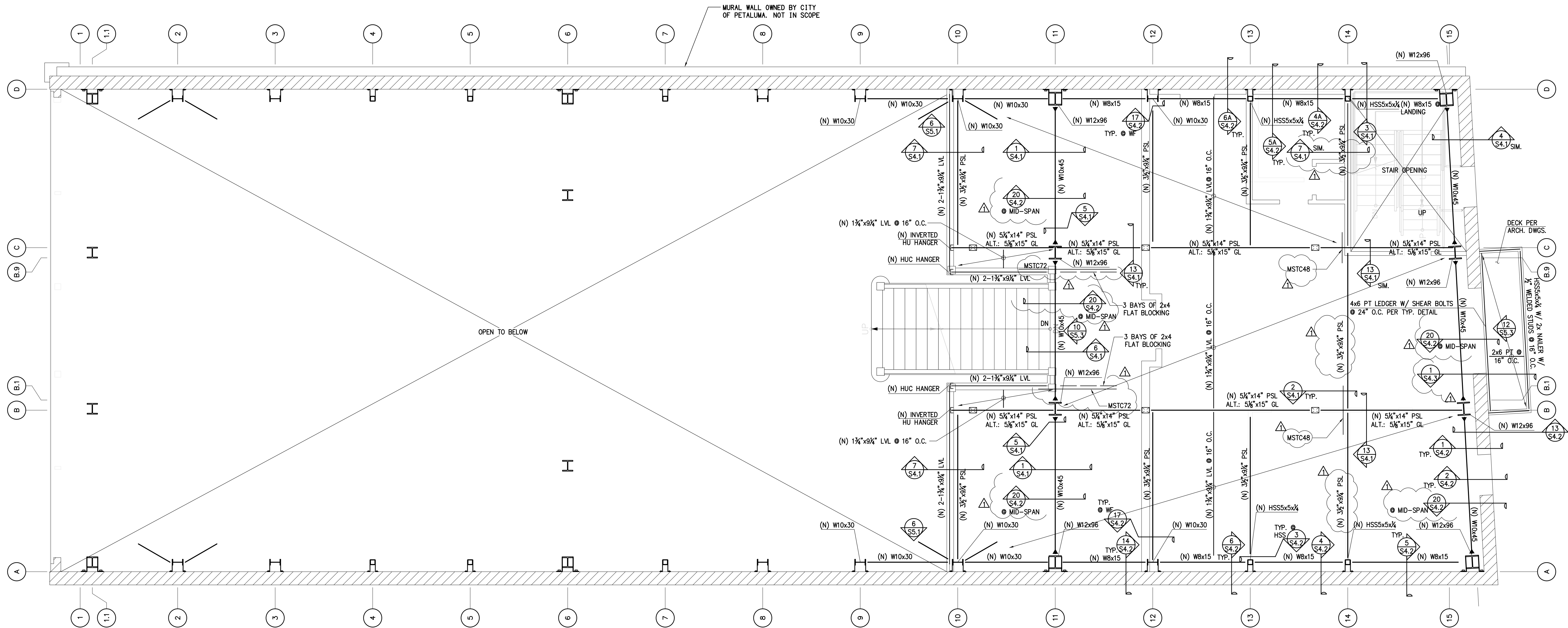
FOOTING SCHEDULE

TYPE	L (ft)	W (ft)	t (in)	LONG REINF.	TRANSV REINF.
A	3,5	3,5	24	#5 @ 9" O.C. T&B	#5 @ 9" O.C. T&B
B	4,5	2	24	#5 @ 9" O.C. T&B	#5 @ 9" O.C. T&B
C	3	2	24	#5 @ 9" O.C. T&B	#5 @ 9" O.C. T&B
E	5	2,5	24	#5 @ 9" O.C. T&B	#5 @ 9" O.C. T&B
F	4	2	24	#5 @ 9" O.C. T&B	#5 @ 9" O.C. T&B
G	4	2	24	#5 @ 9" O.C. T&B	#5 @ 9" O.C. T&B
H	4	3	24	#5 @ 9" O.C. T&B	#5 @ 9" O.C. T&B
I	4,5	4,5	24	#5 @ 9" O.C. T&B	#5 @ 9" O.C. T&B
J	3,5	3,5	24	#5 @ 9" O.C. T&B	#5 @ 9" O.C. T&B
K	5	4	24	#5 @ 9" O.C. T&B	#5 @ 9" O.C. T&B

FOUNDATION PLAN

1/4"=1'-0"
1 S2.1





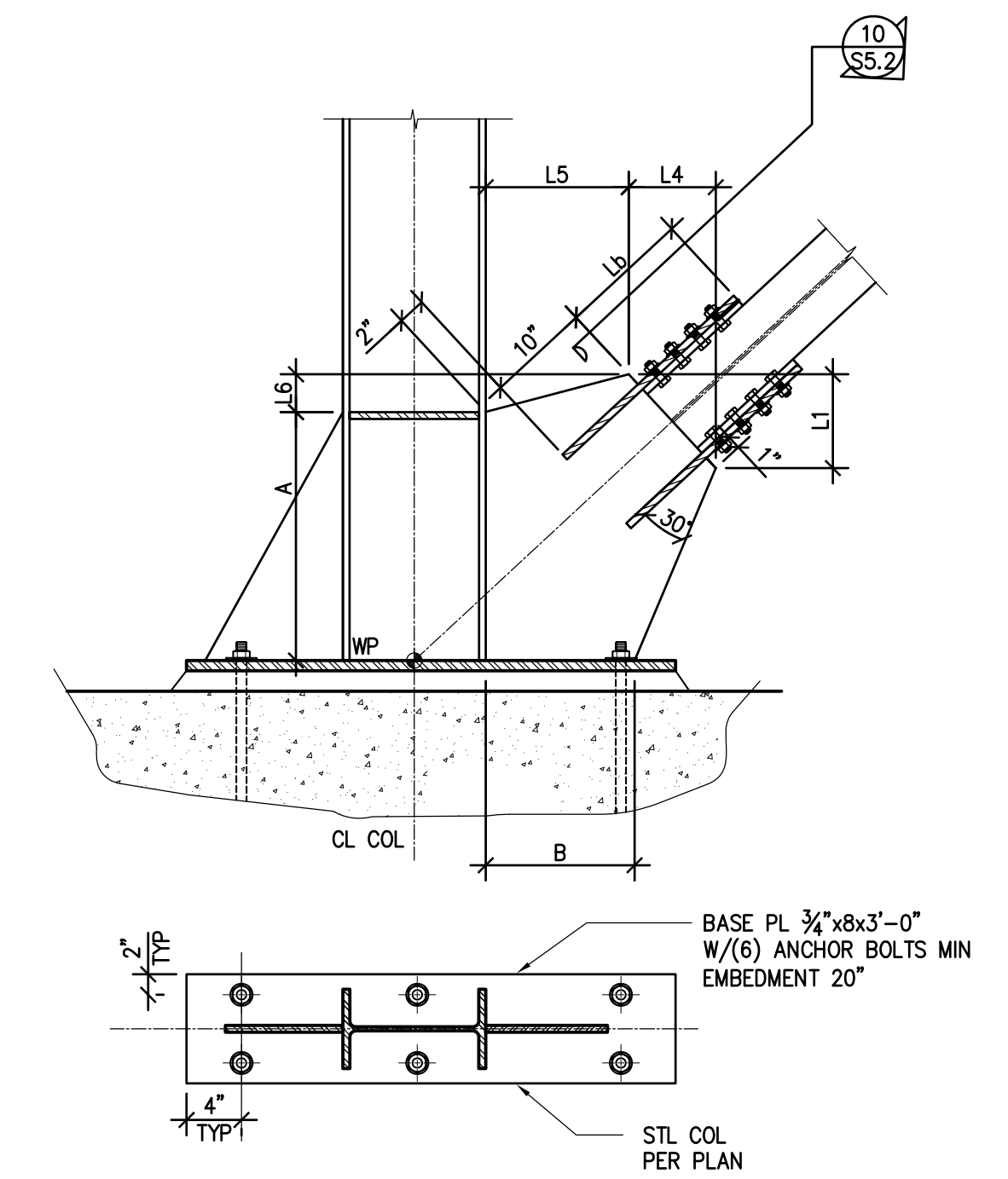
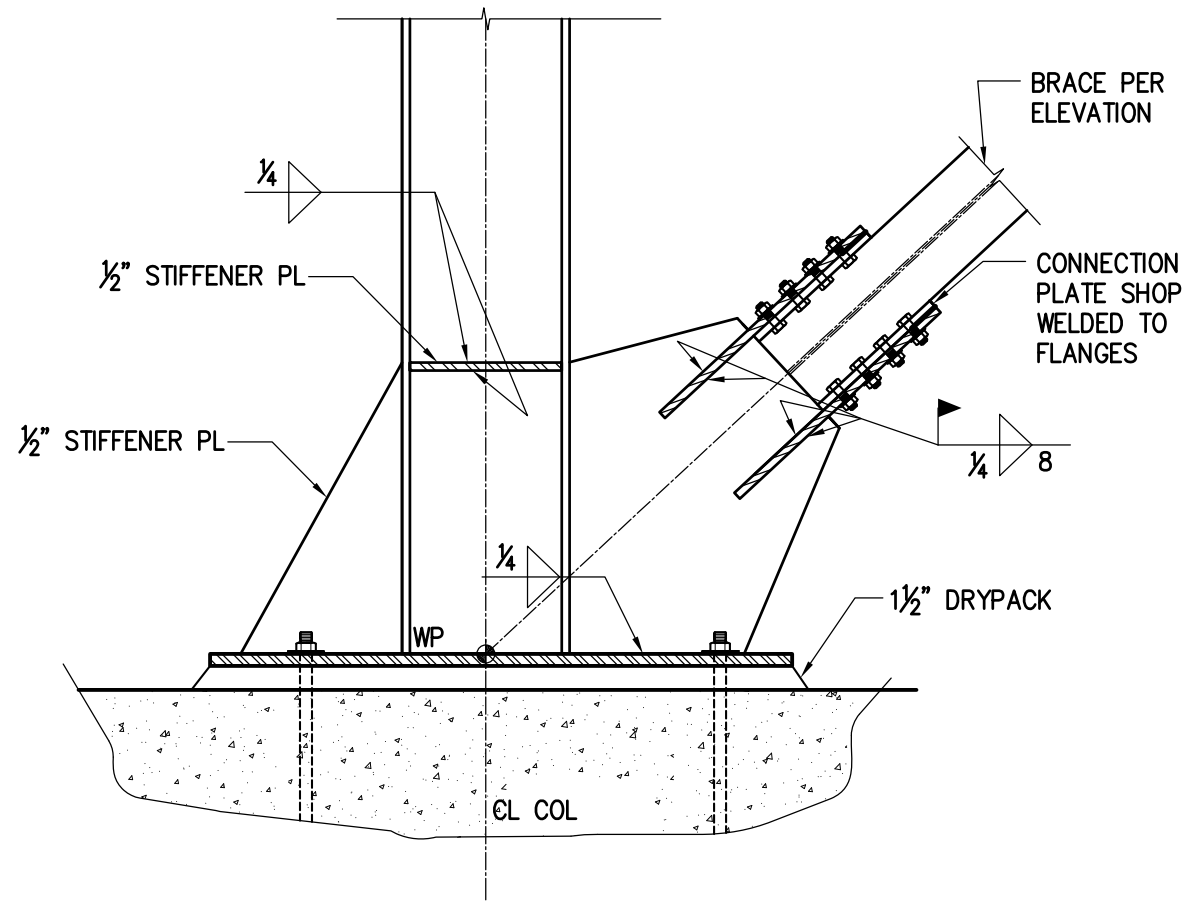
HORIZONTAL DIAPHRAGM

ZONE	PANEL	NAILING LINES	THICKNESS	EN	BN	FN	BLOCKED	CAPACITY
4	(E)	STRAIGHT 1x SHEATHING W/ FINISH WOOD FLOORING						250 PLF
3	STRUCTURAL I	1	2 3/8"	3" OC	2" OC	12" OC	YES	820 PLF
2	STRUCTURAL I	1	2 3/8"	4" OC	2.5" OC	12" OC	YES	640 PLF
1	STRUCTURAL I	1	2 3/8"	6" OC	4" OC	12" OC	YES	425 PLF

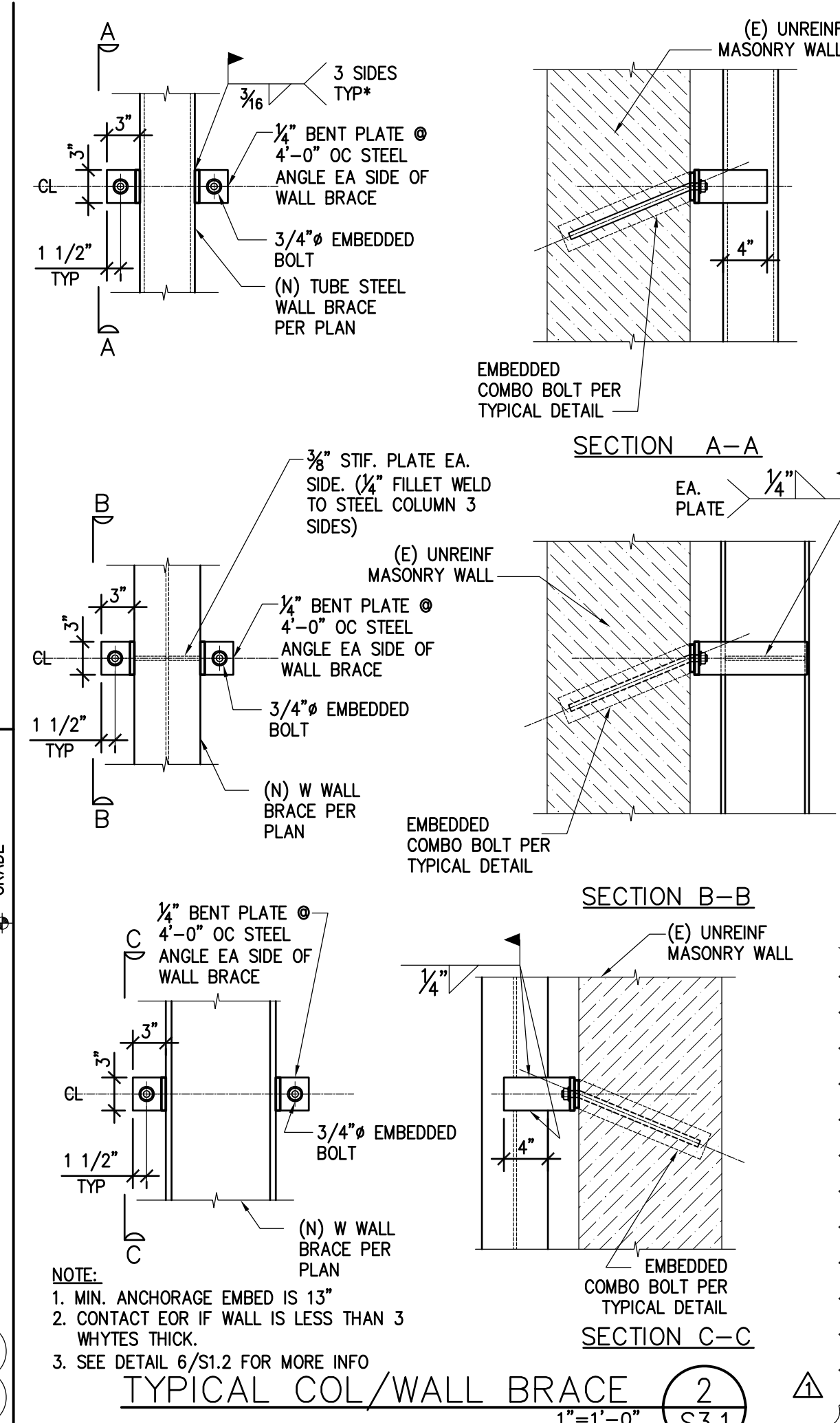
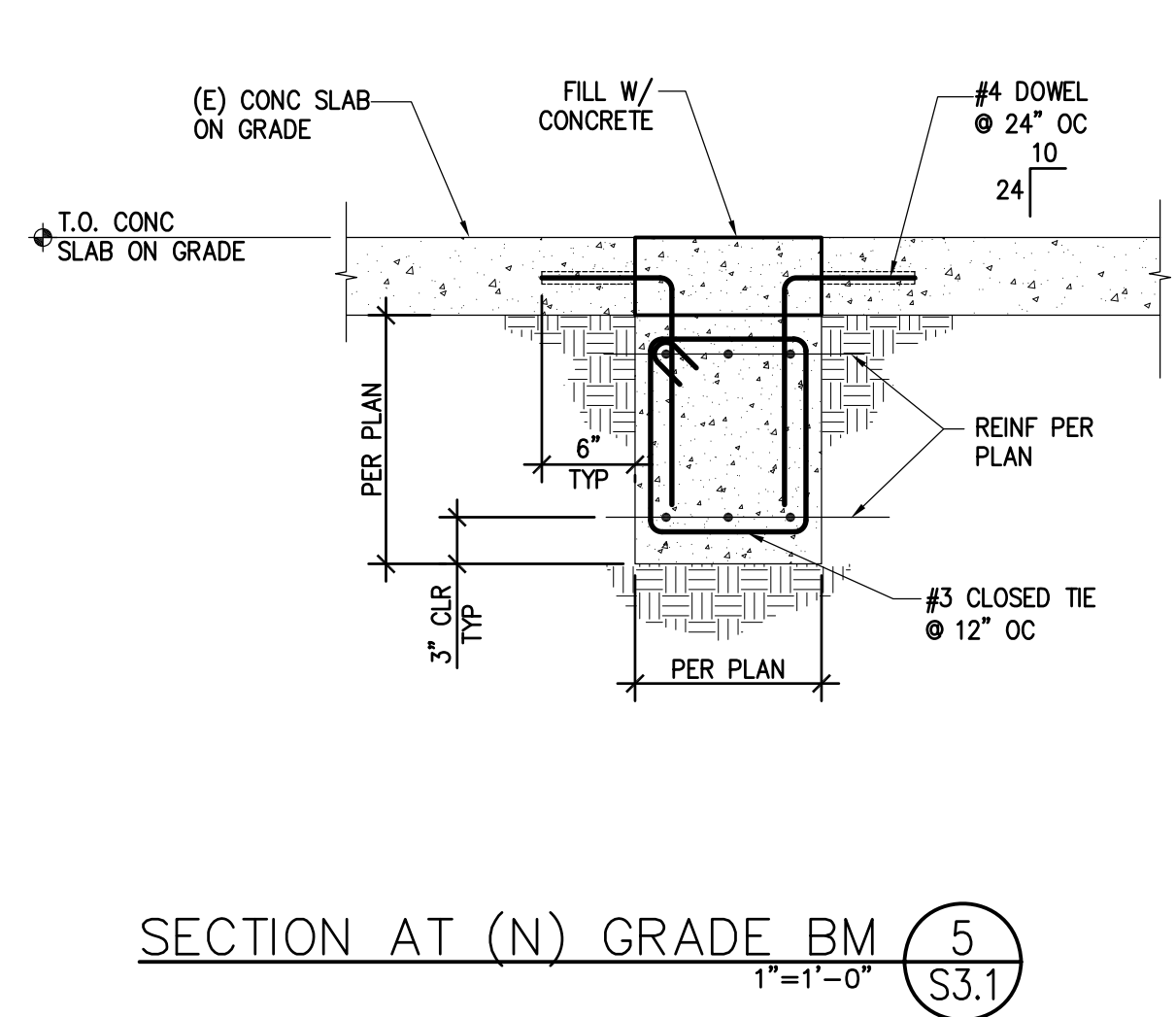
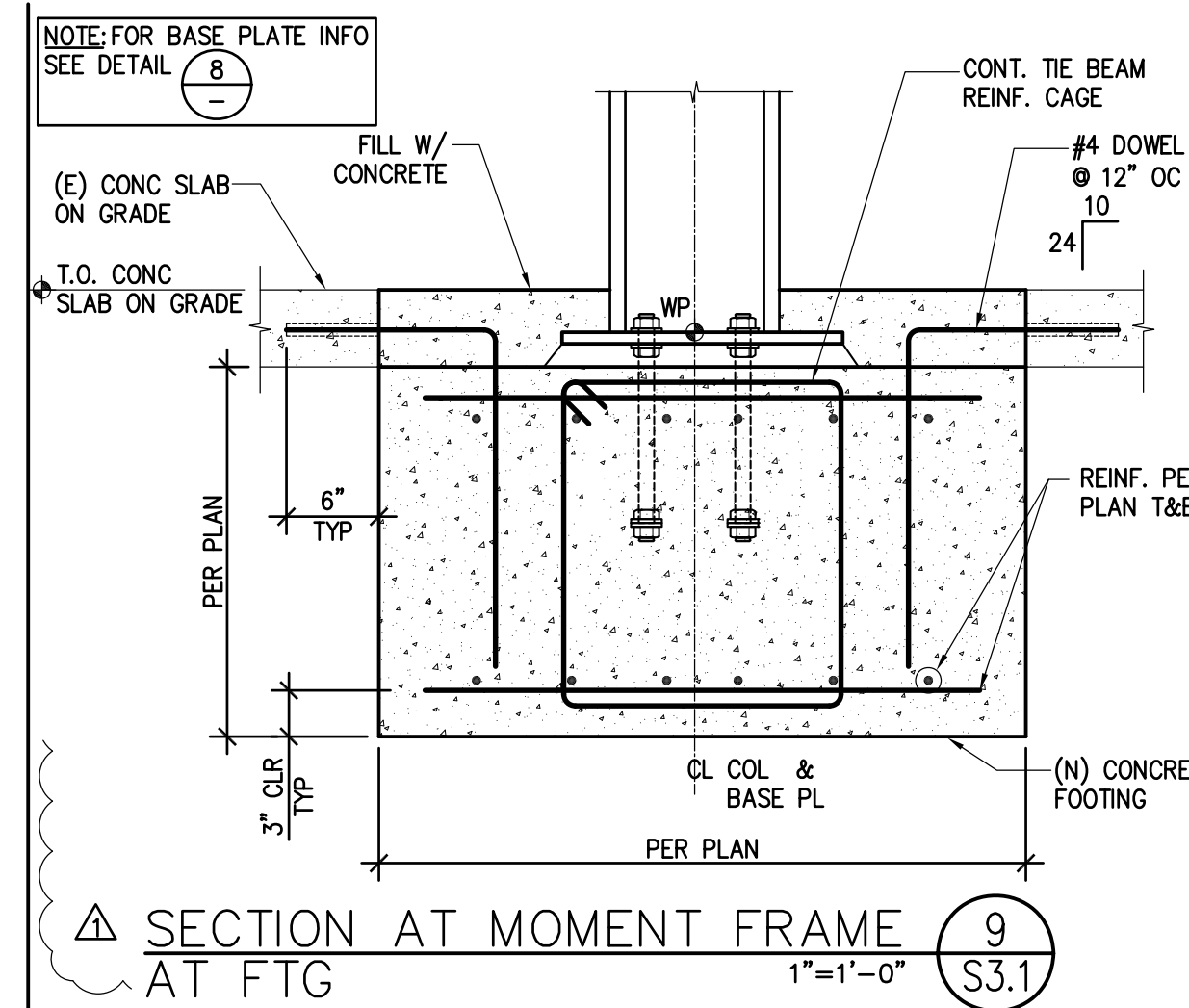
NOTE:
 -WHERE NAIL SPACING IS 2 1/2" OR LESS PROVIDE 3x NOMINAL WOOD MEMBERS @ PLYWOOD EDGES STAGGER EACH LINE OF NAILS.
 -WHERE 2 LINES OF NAILS ARE SPECIFIED PROVIDE 4x NOMINAL WOOD MEMBERS @ PANEL EDGES. NAILS SHALL BE PLACED STAGGERED.

- PARTIAL MEZZANINE FRAMING NOTES:**
- SEE SHEET S1.1 FOR GENERAL NOTES
 - SEE SHEETS S1.2 FOR TYPICAL DETAILS
 - SAD FOR SLOPES, ELEVATIONS, DIMENSIONS, ETC
 - ALL COLUMNS & COLLECTOR BEAMS ALONG GRIDLINES "A" & "D" SHALL BE ALIGNED W/ W12x96 COLUMNS

- LEGEND**
- INDICATES BRACE FRAME PER ELEVATION
 - INDICATES (E) URM WALLS
 - INDICATES MOMENT FRAME PER ELEVATIONS



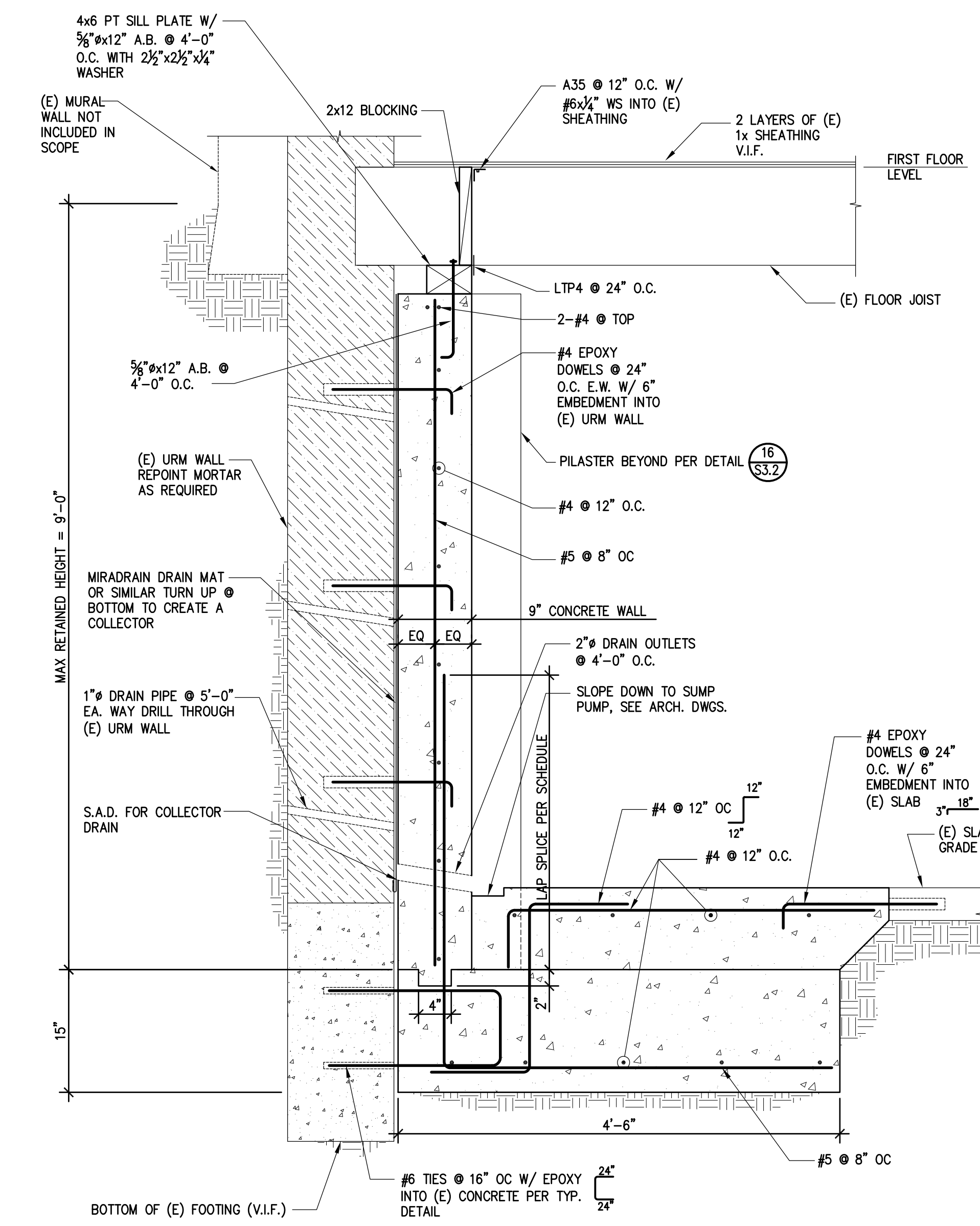
COLLECTOR BM TO SHOTCRETE WALL CONN. (13) S3.1
 1"=1'-0"



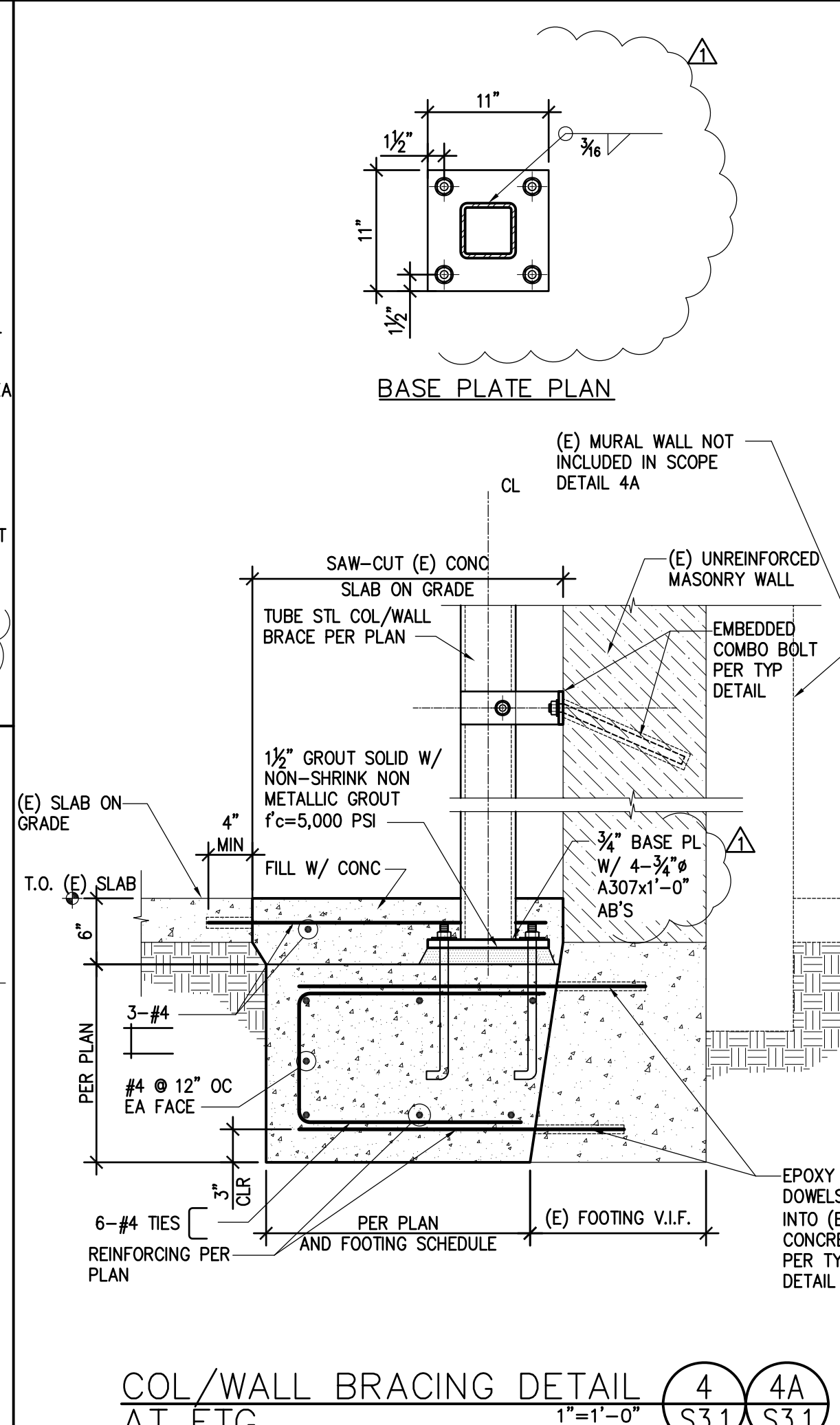
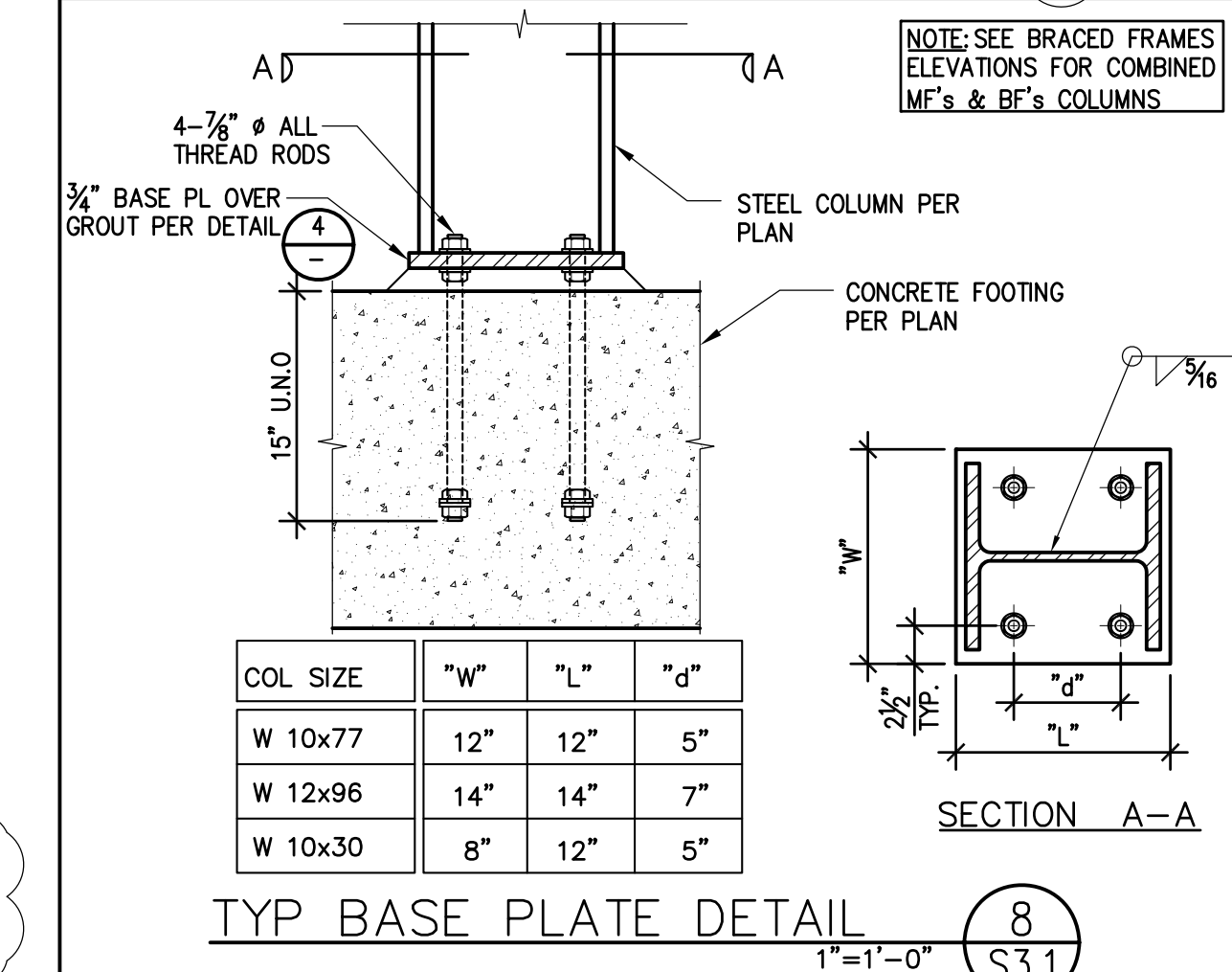
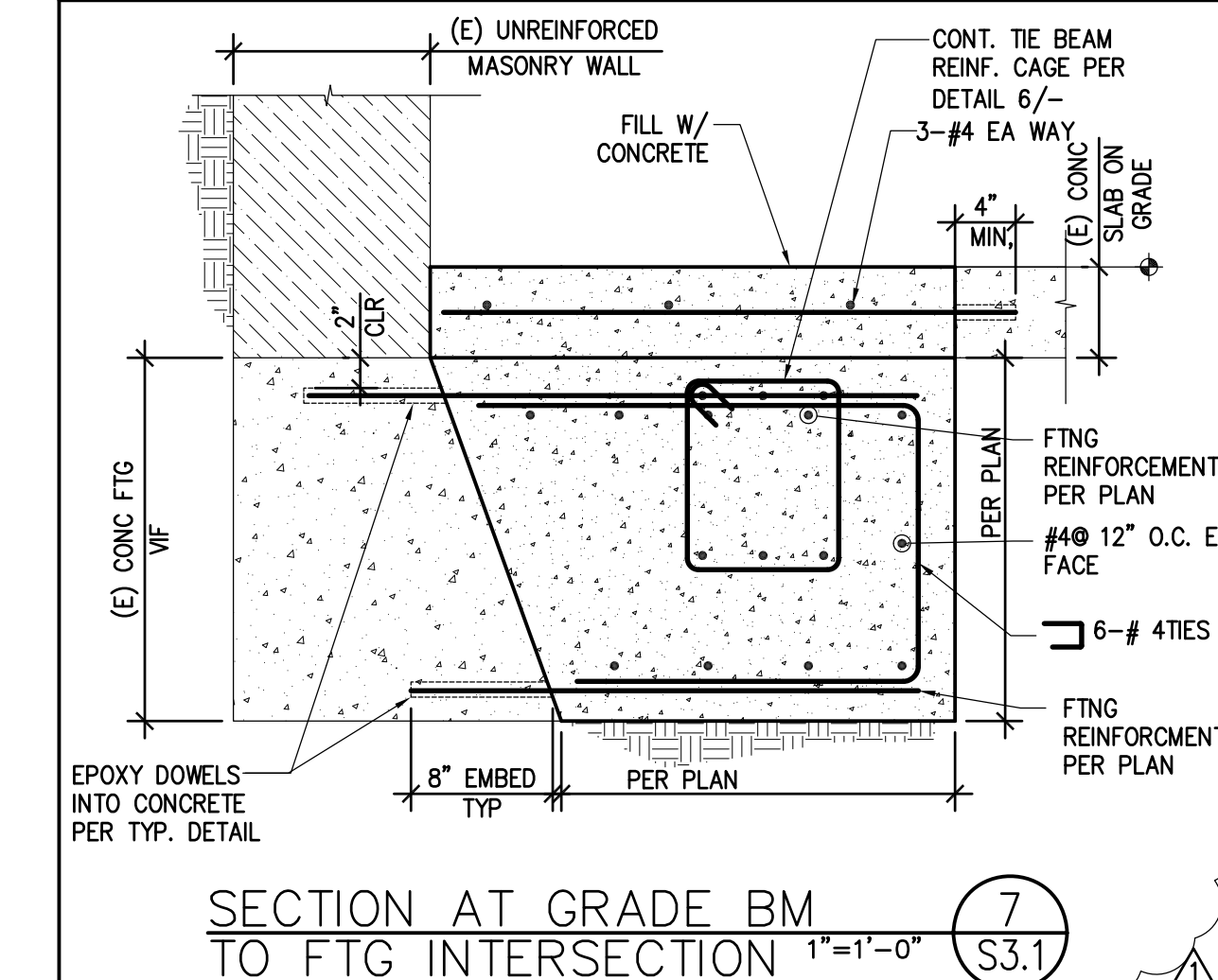
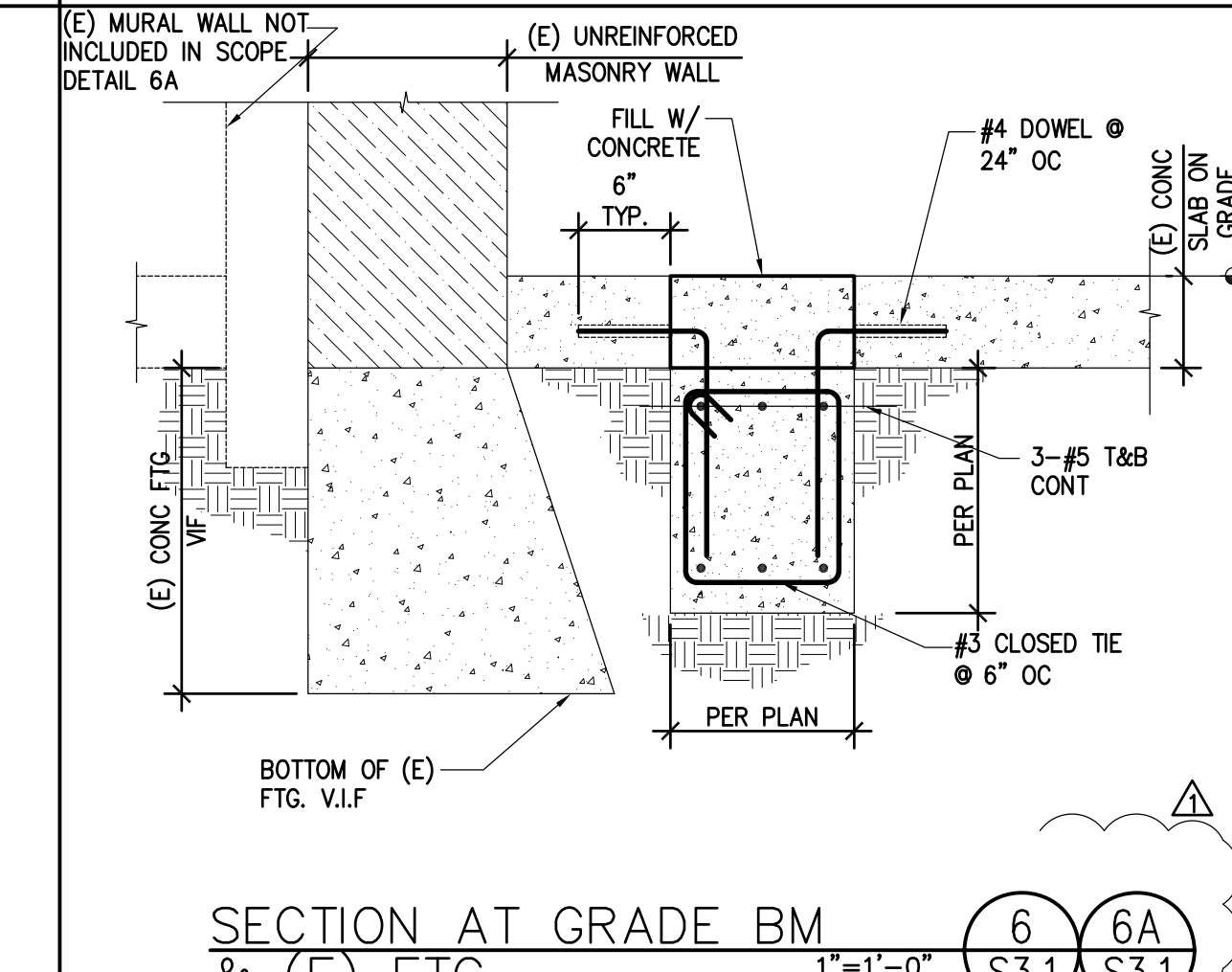
ELEVATION	Ang.	"A"	"B"	"L1"	"L4"	"L5"	"L6"	"Lb"
2-S5.1	44	19 1/4"	12 7/8"	5 1/2"	5 1/4"	12 5/8"	3"	10"
6-S5.1	44	19 1/4"	12 7/8"	5 1/2"	5 1/4"	12 5/8"	3"	10"

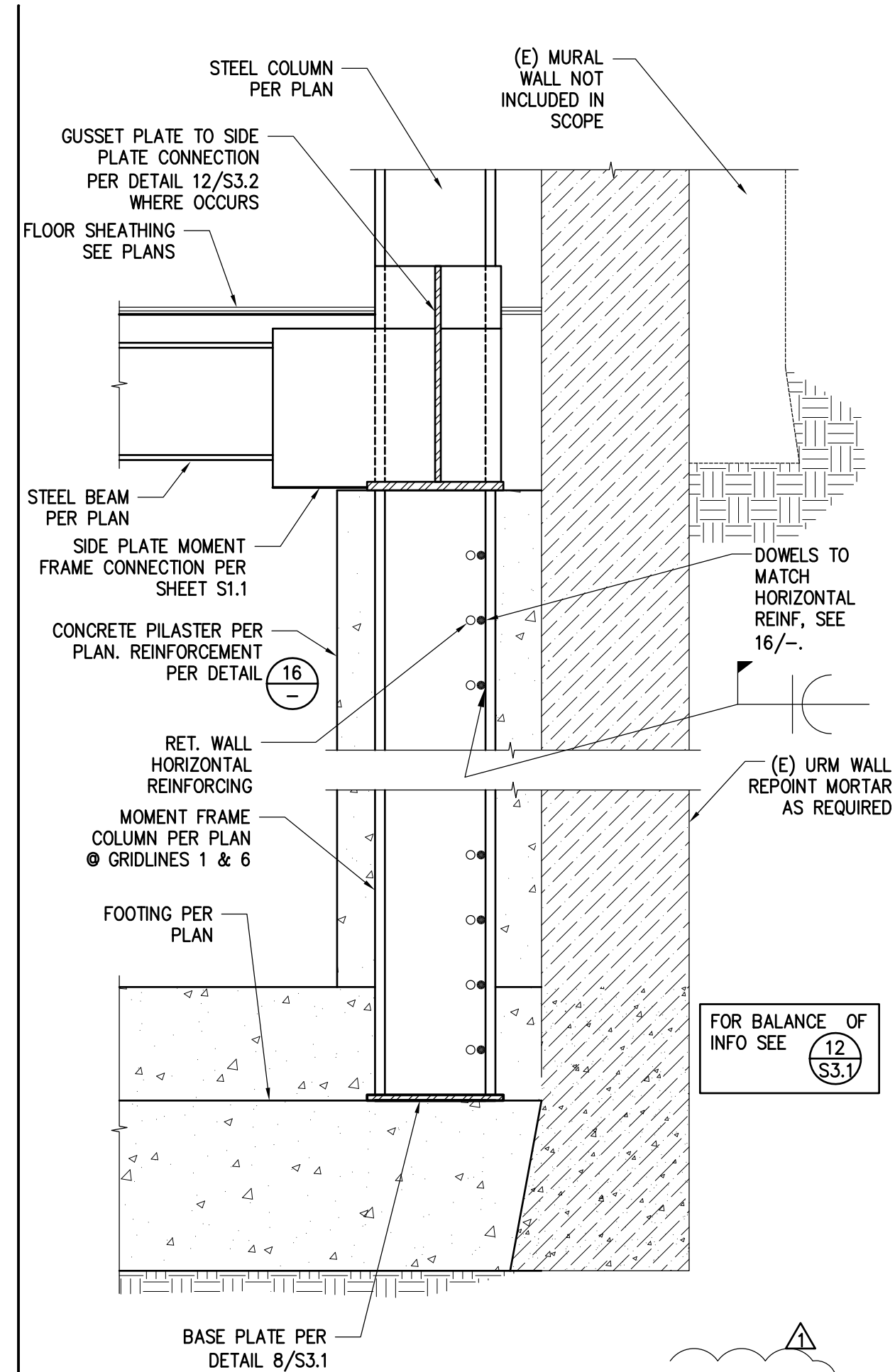
NOTE: ALL DIMENSIONS ARE PRELIMINARY. DIMENSIONS & ANGLES TO BE FIELD VERIFIED

BRACE FRAME CONNECTION AT FOUNDATION (19) S3.1
 1"=1'-0"

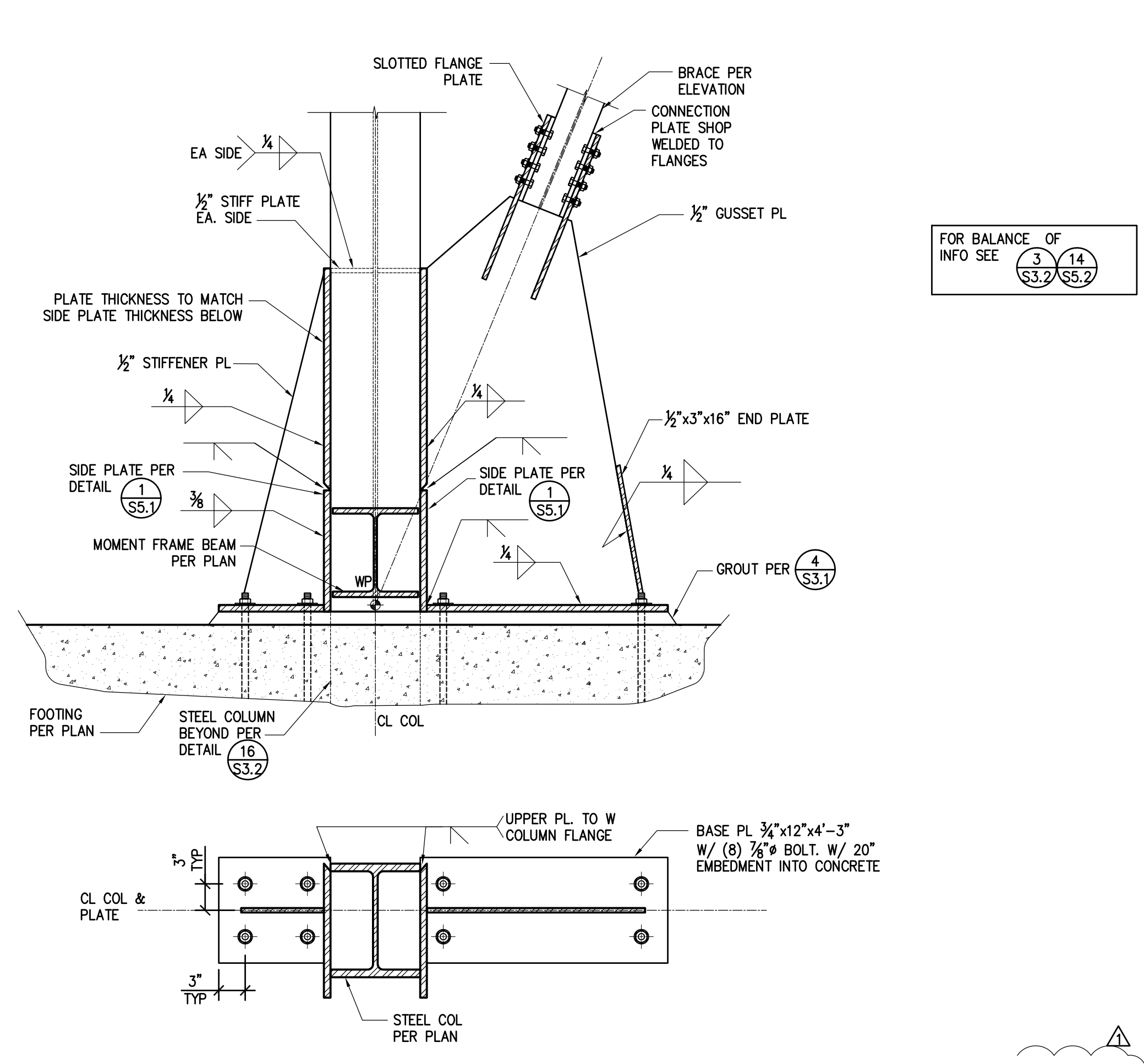


RETAINING WALL SECTION (12) S3.1
 1"=1'-0"

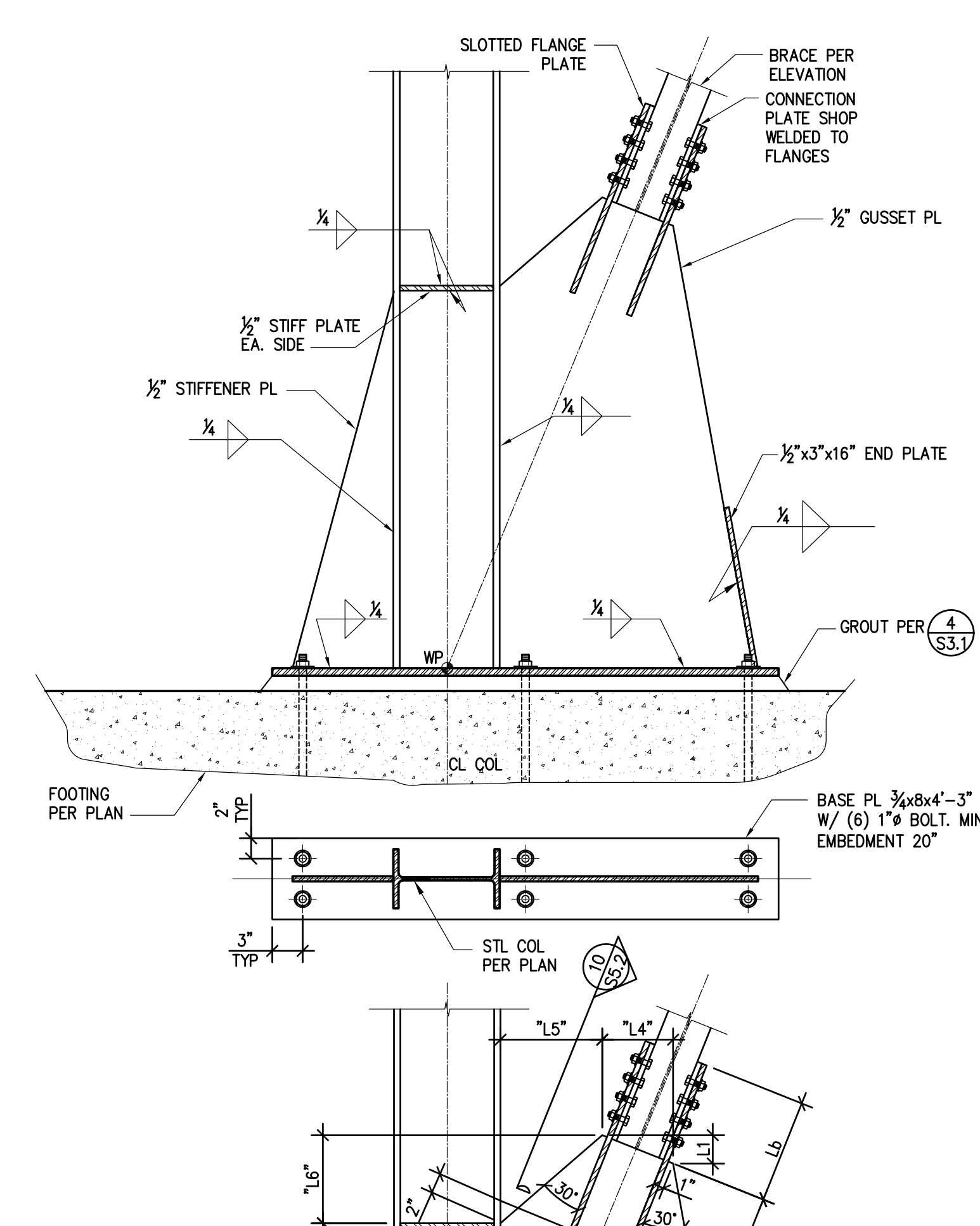




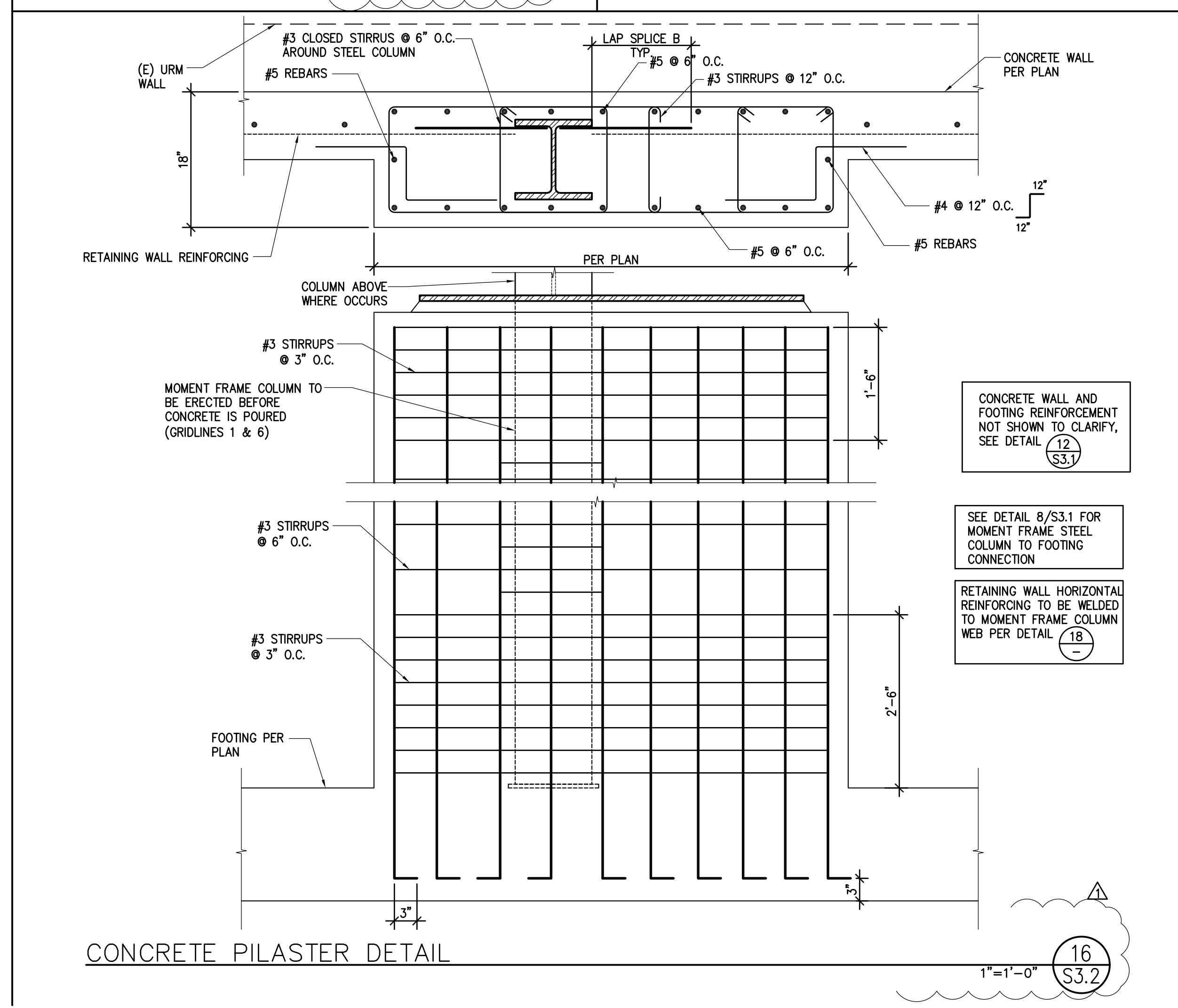
PILASTER SECTION @ MF COLUMN **18**
1"=1'-0" S3.2



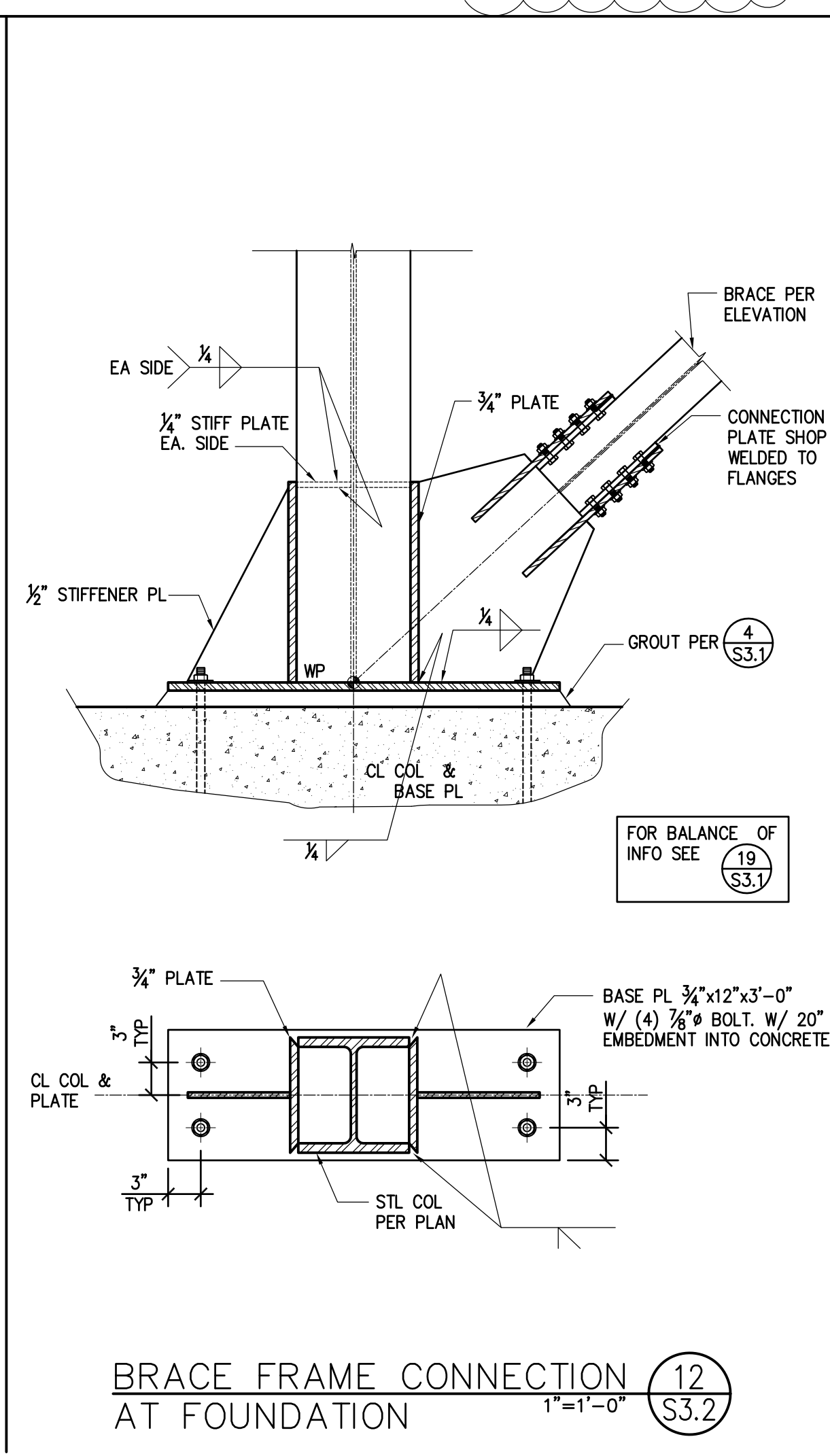
BRACE FRAME CONNECTION AT FOUNDATION **10**
1"=1'-0" S3.2



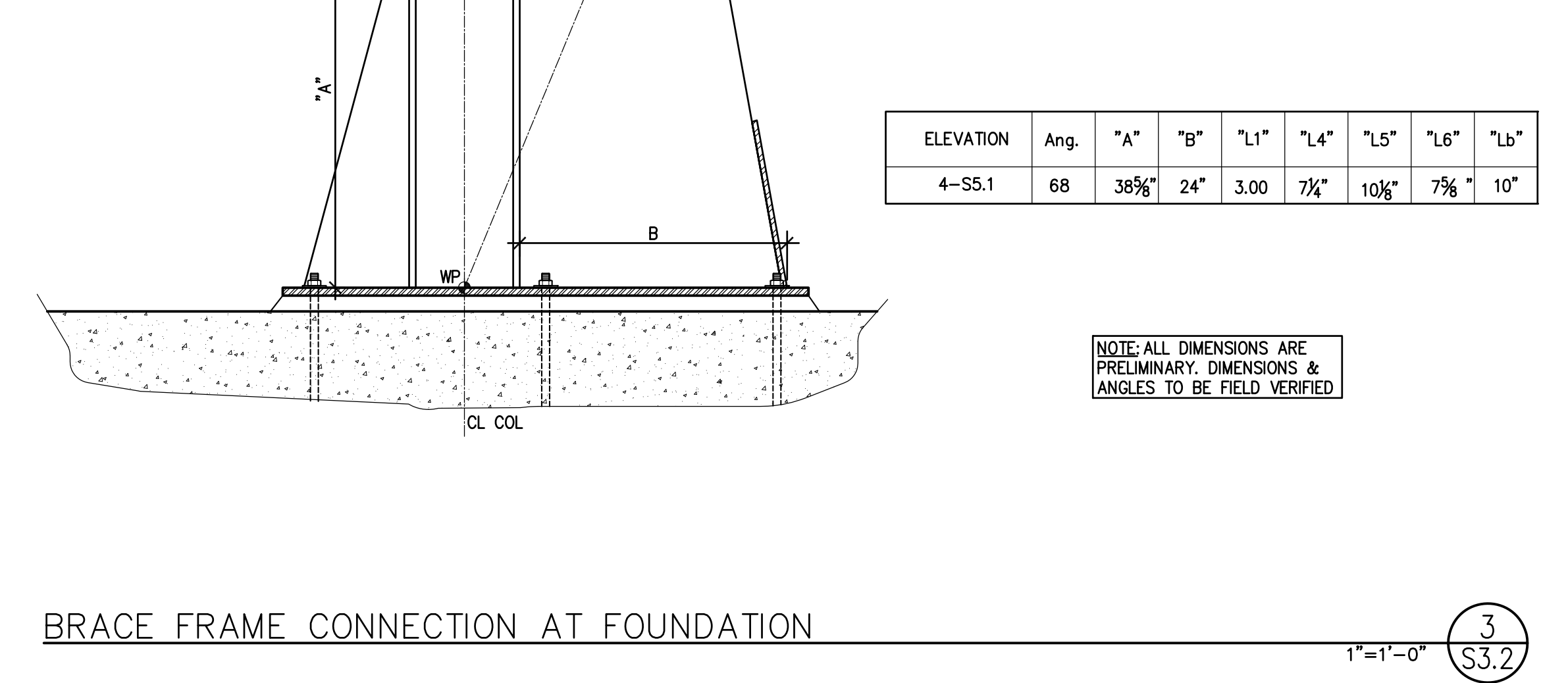
BRACE FRAME CONNECTION AT FOUNDATION **3**
1"=1'-0" S3.2



CONCRETE PILASTER DETAIL **16**
1"=1'-0" S3.2

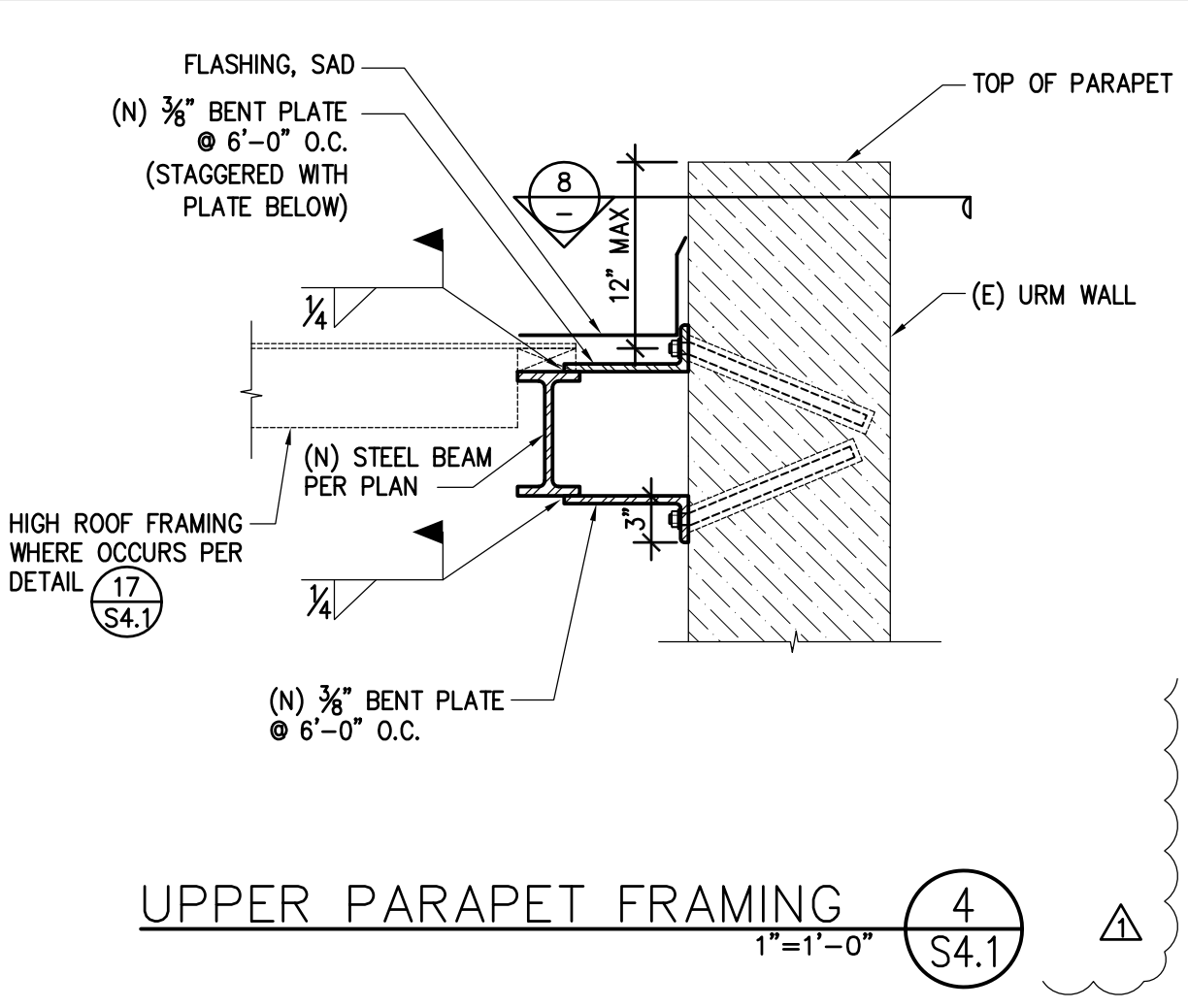
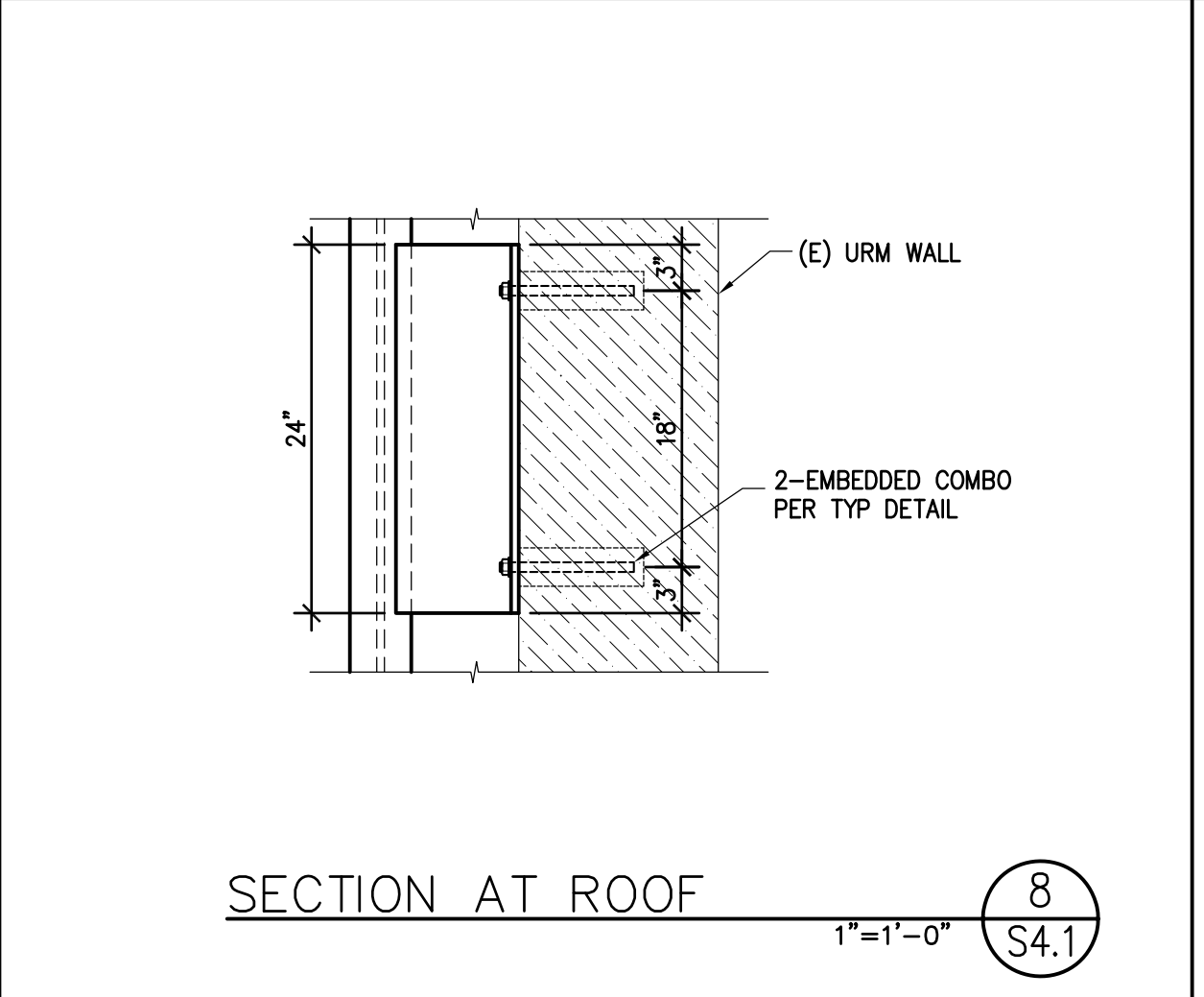
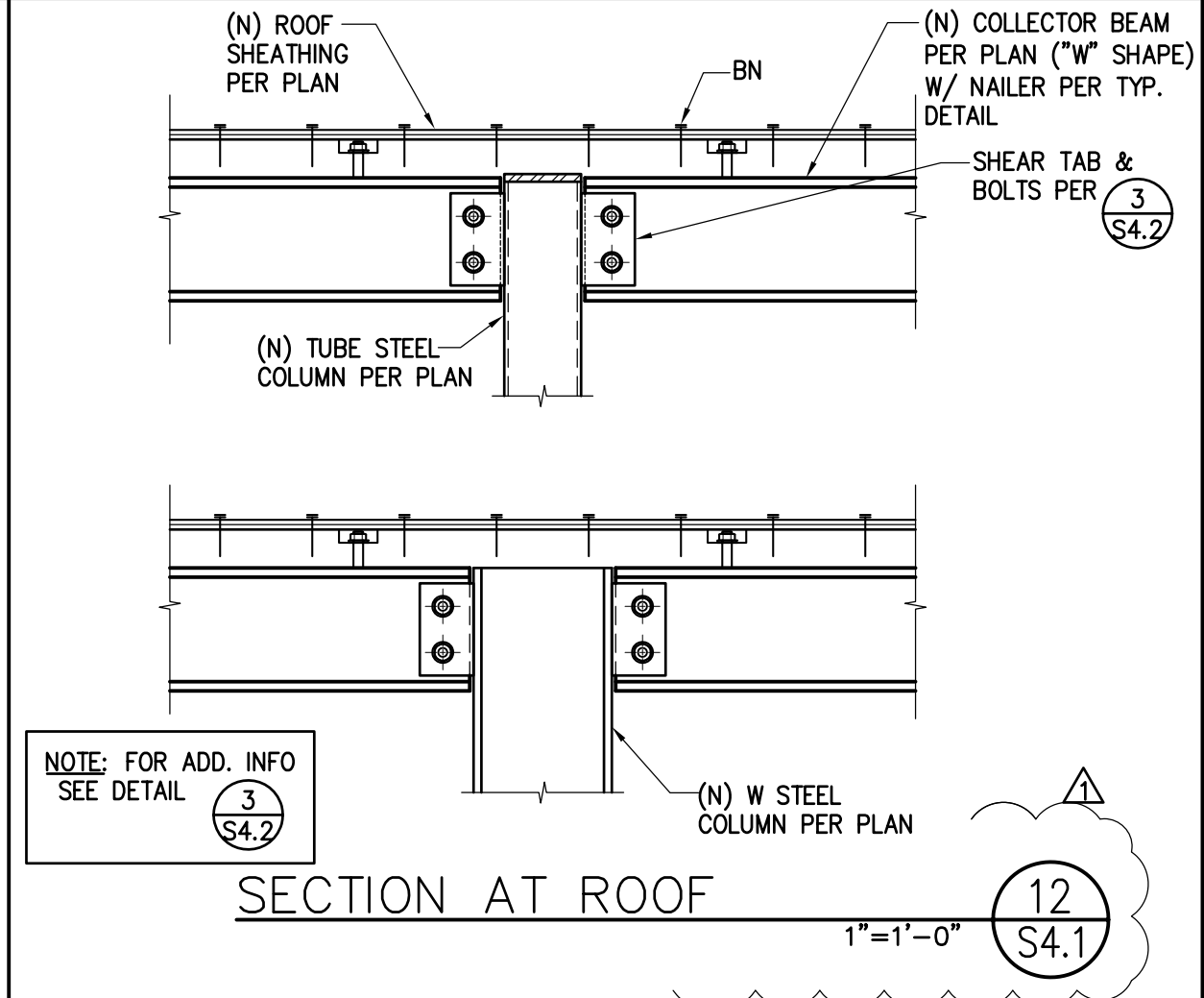
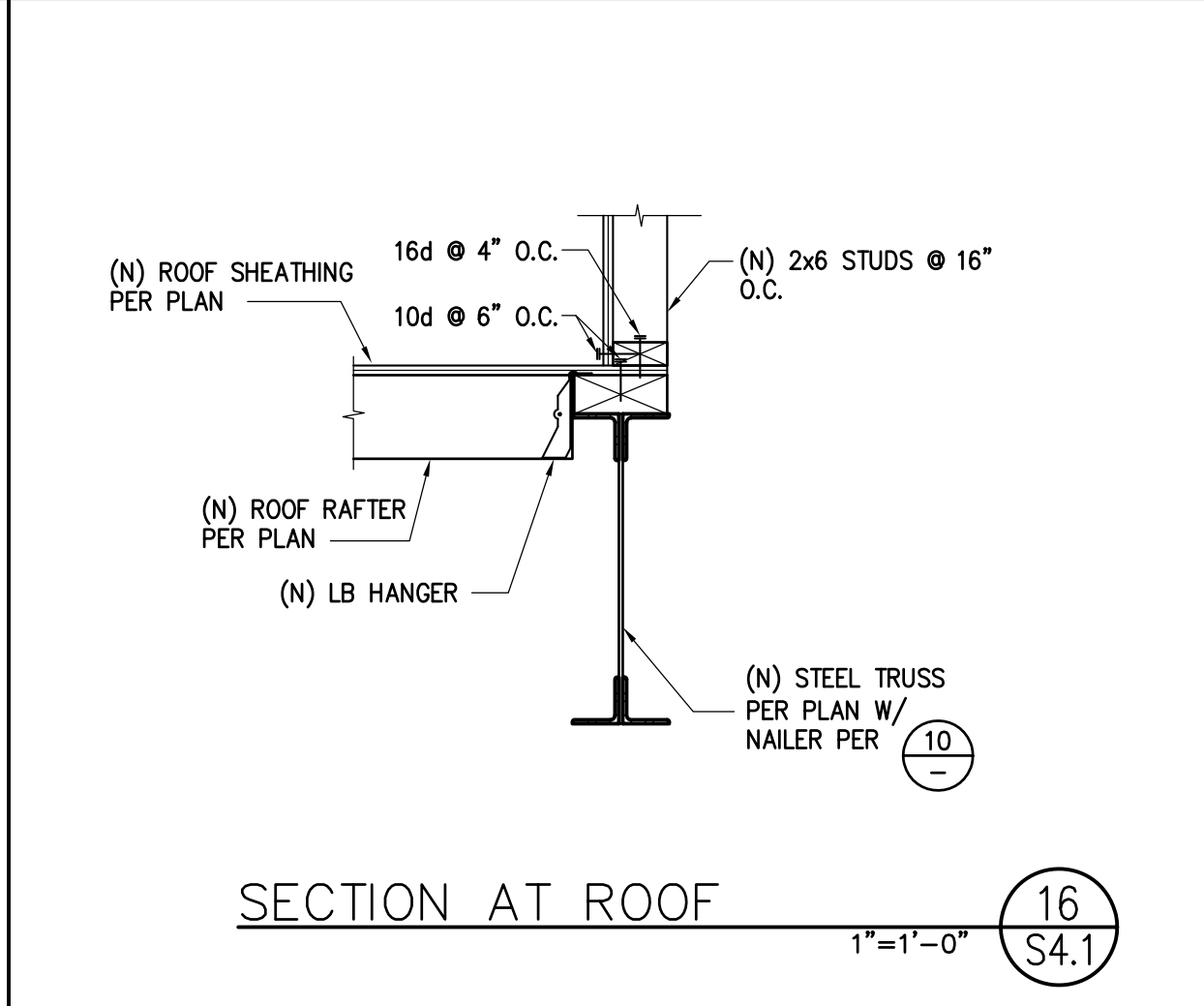
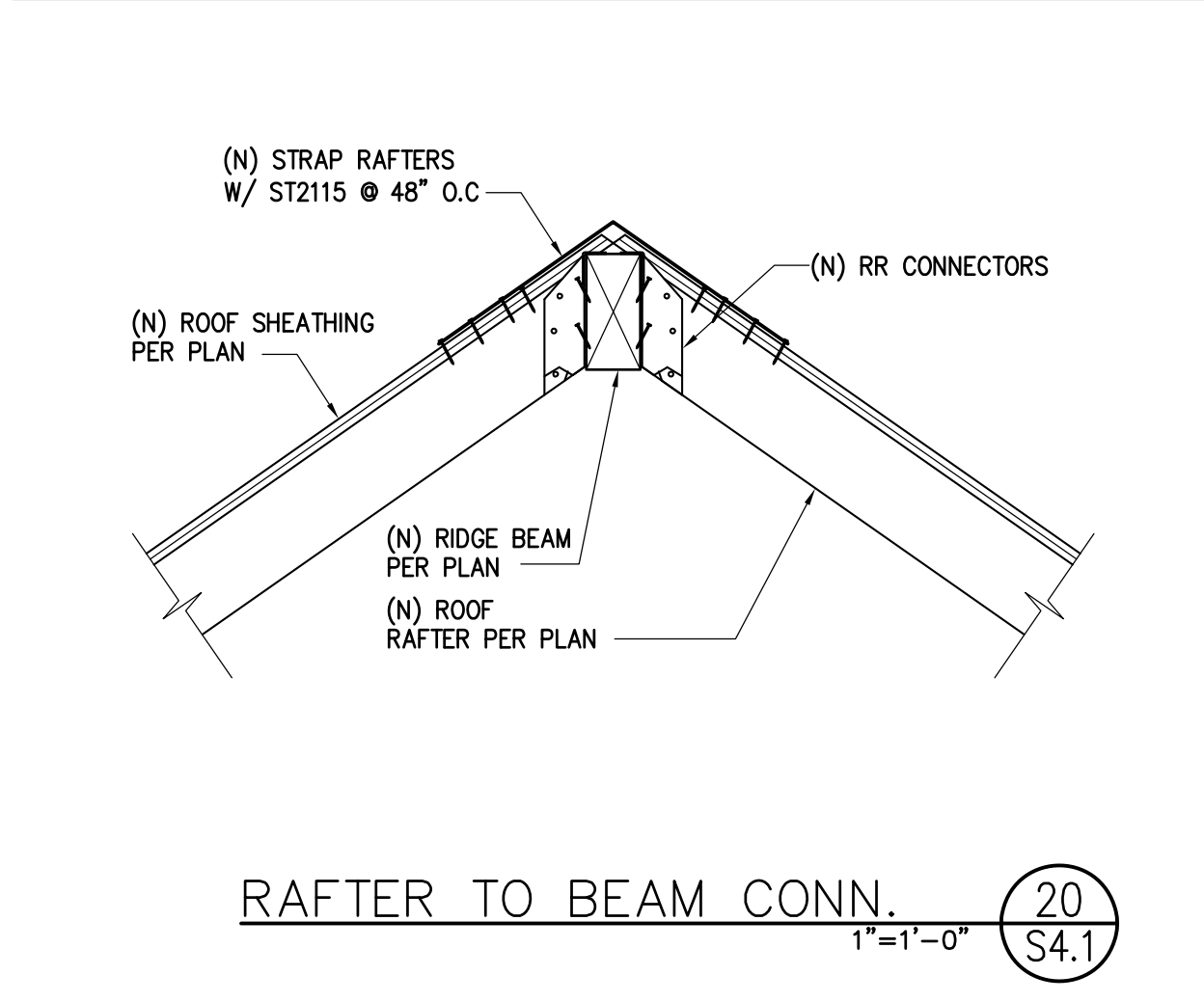
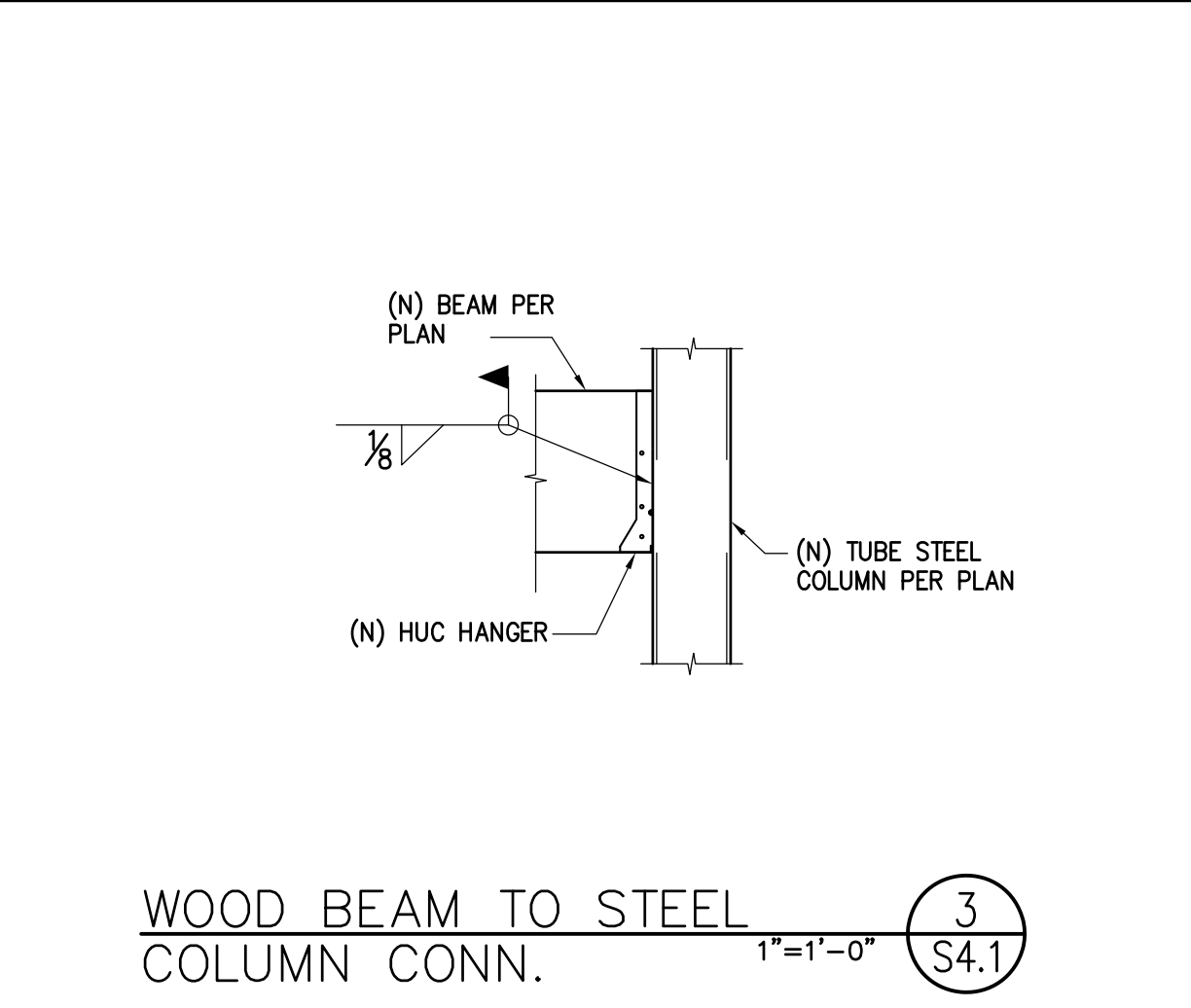
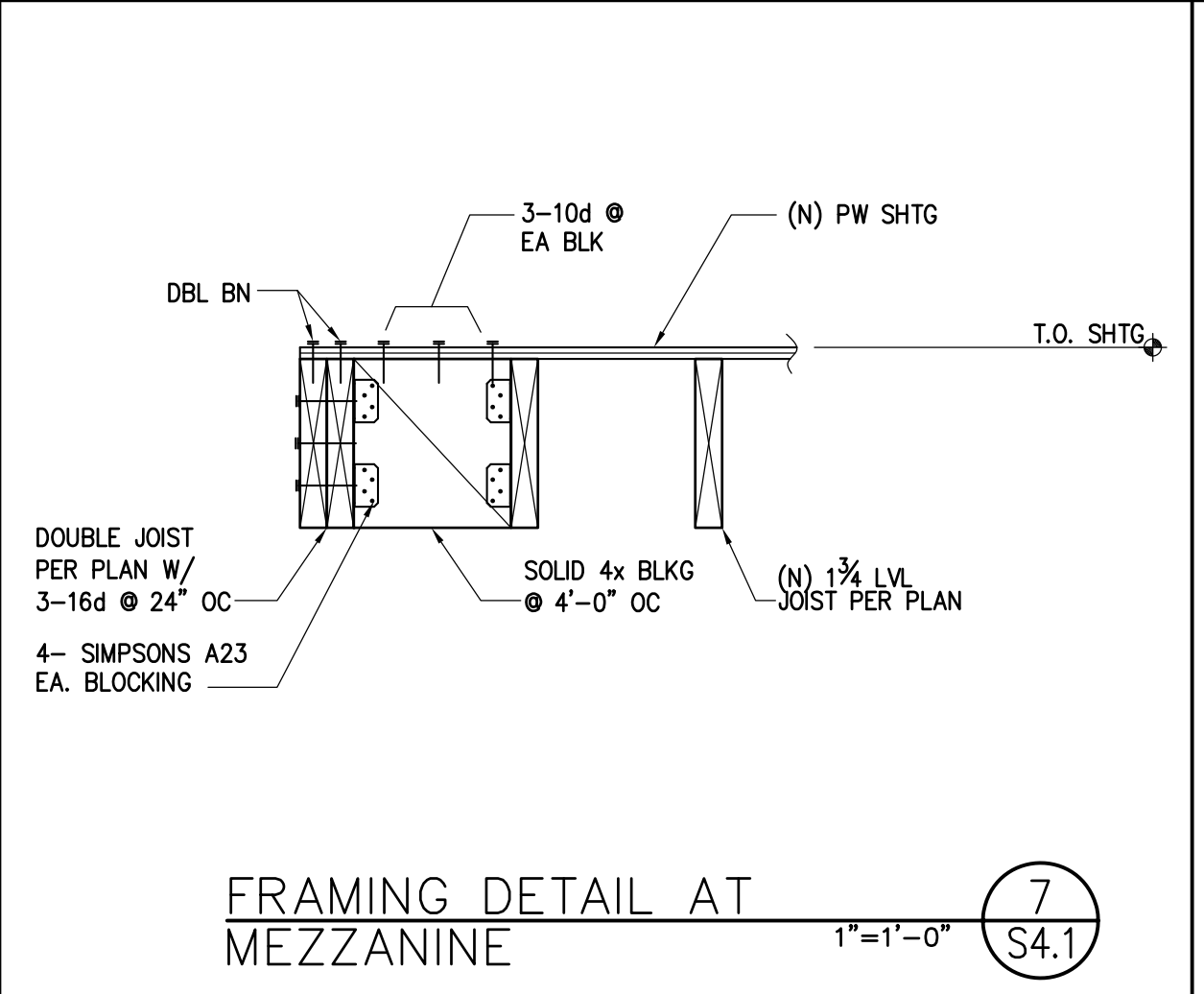
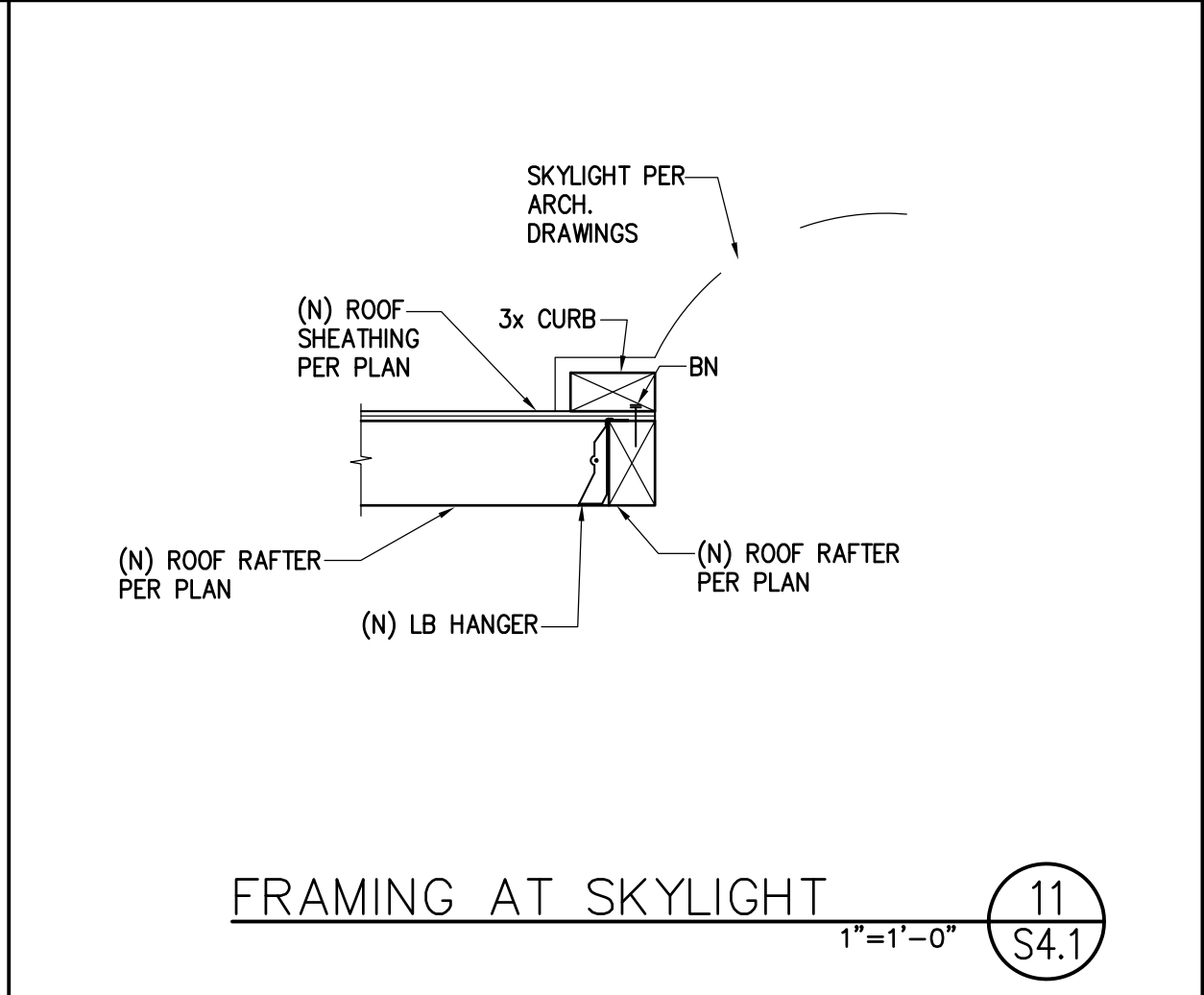
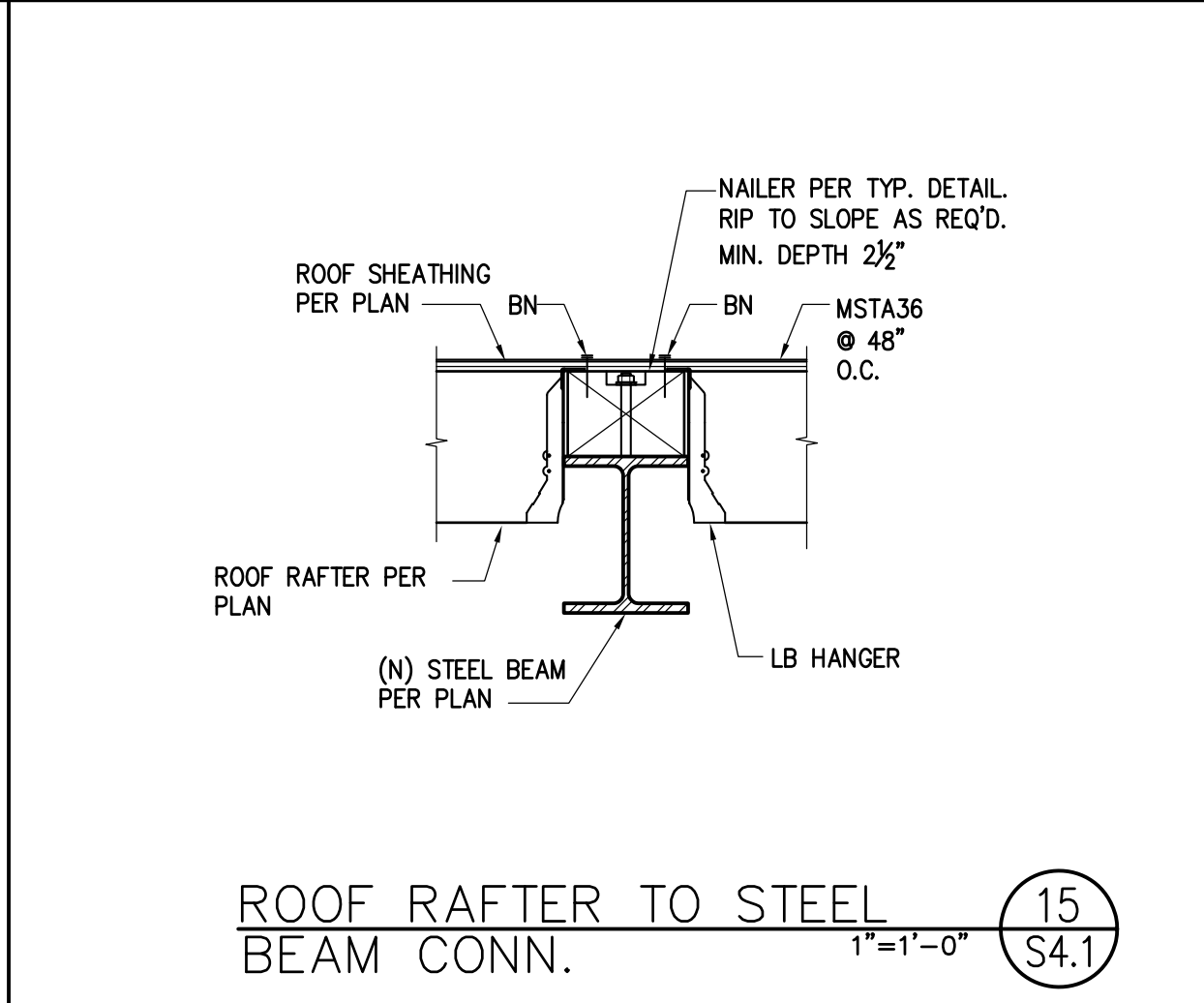
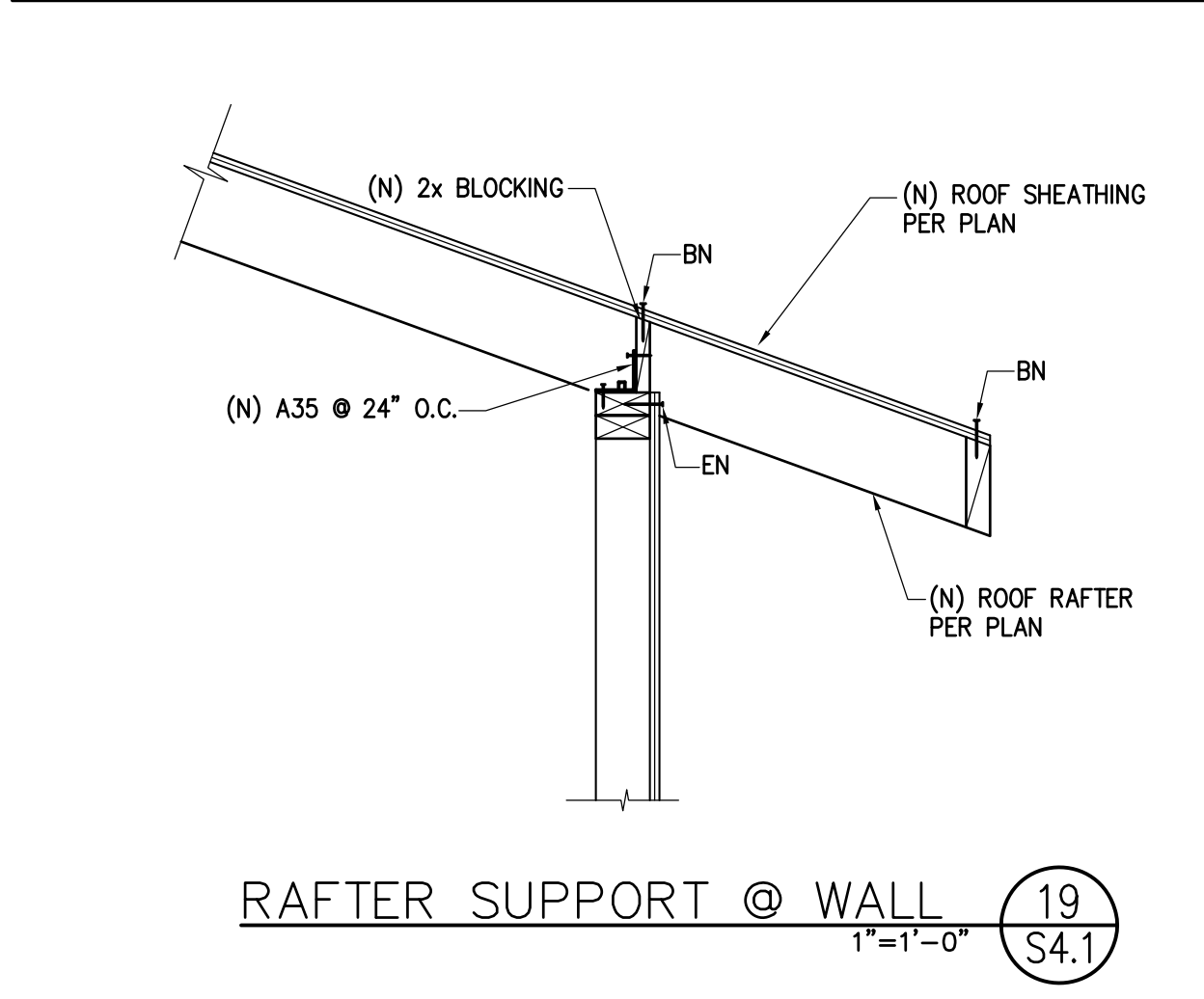
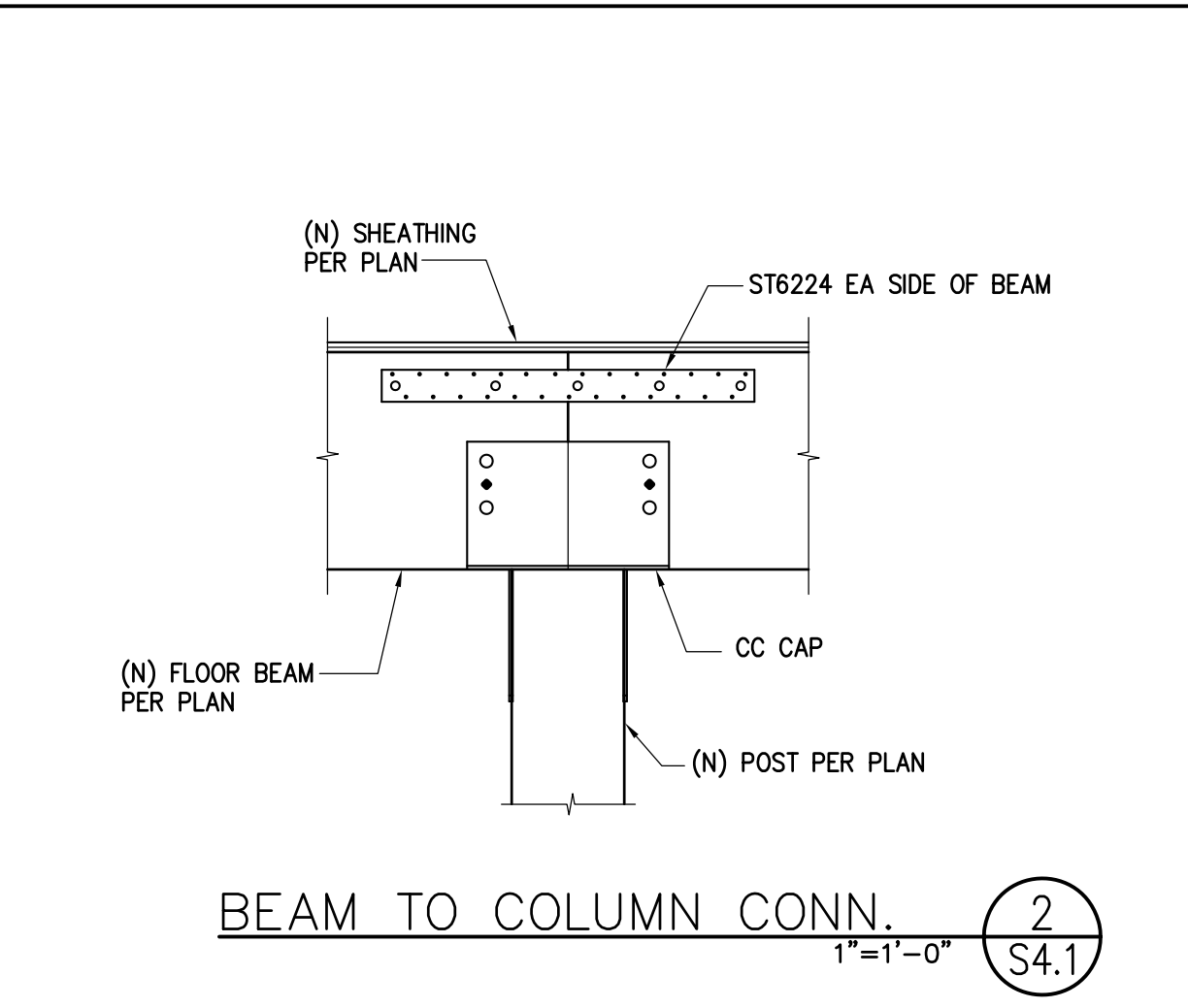
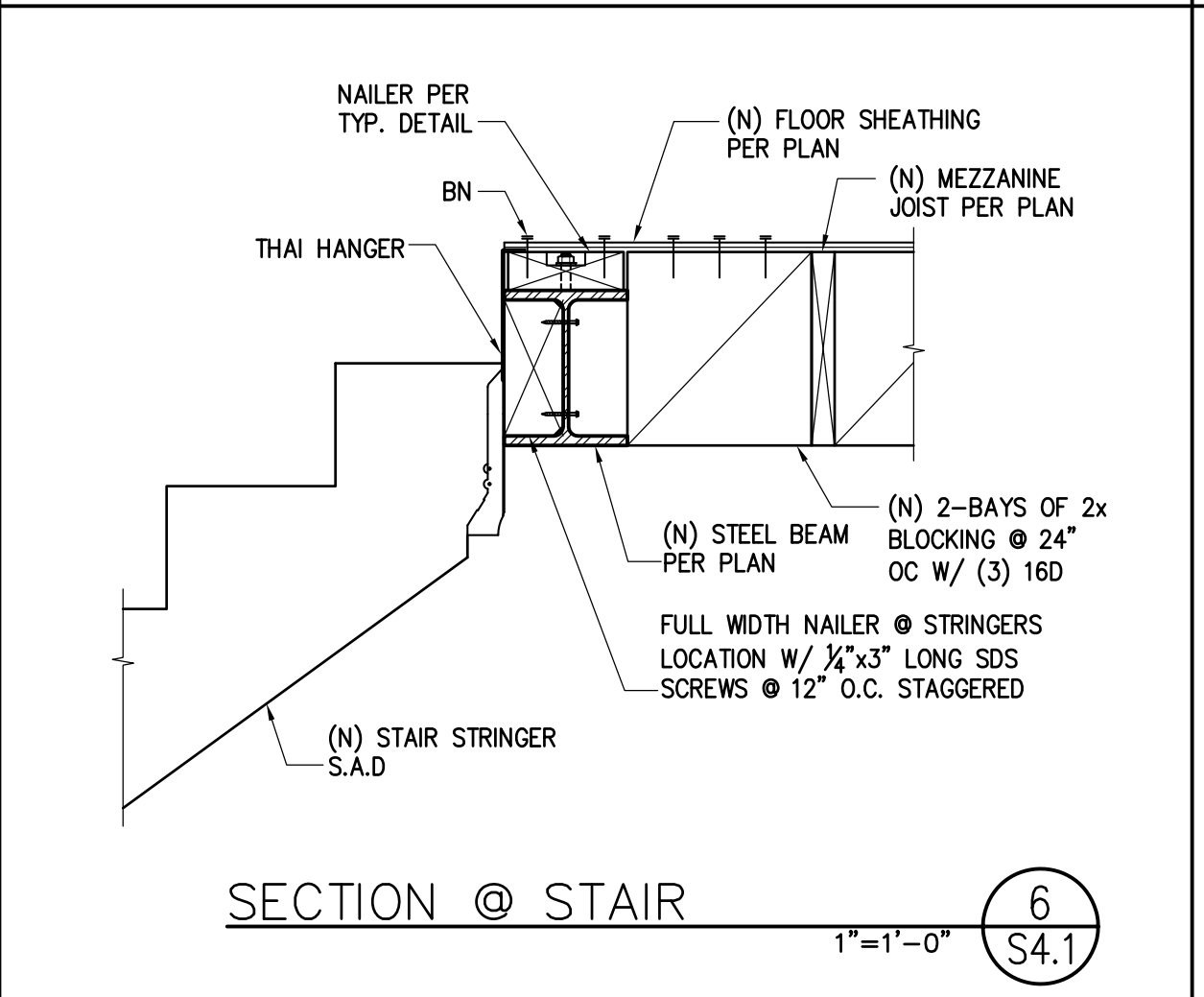
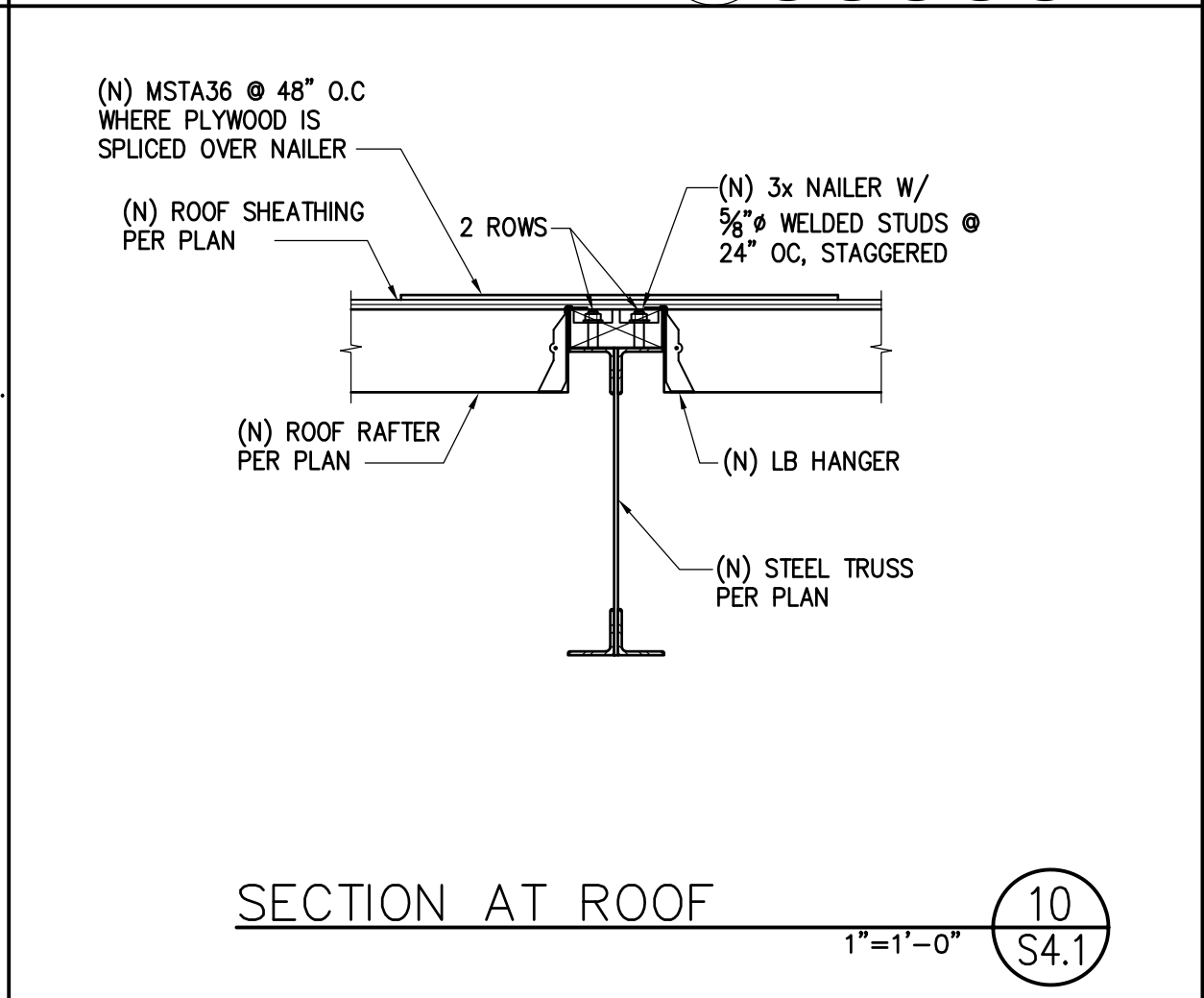
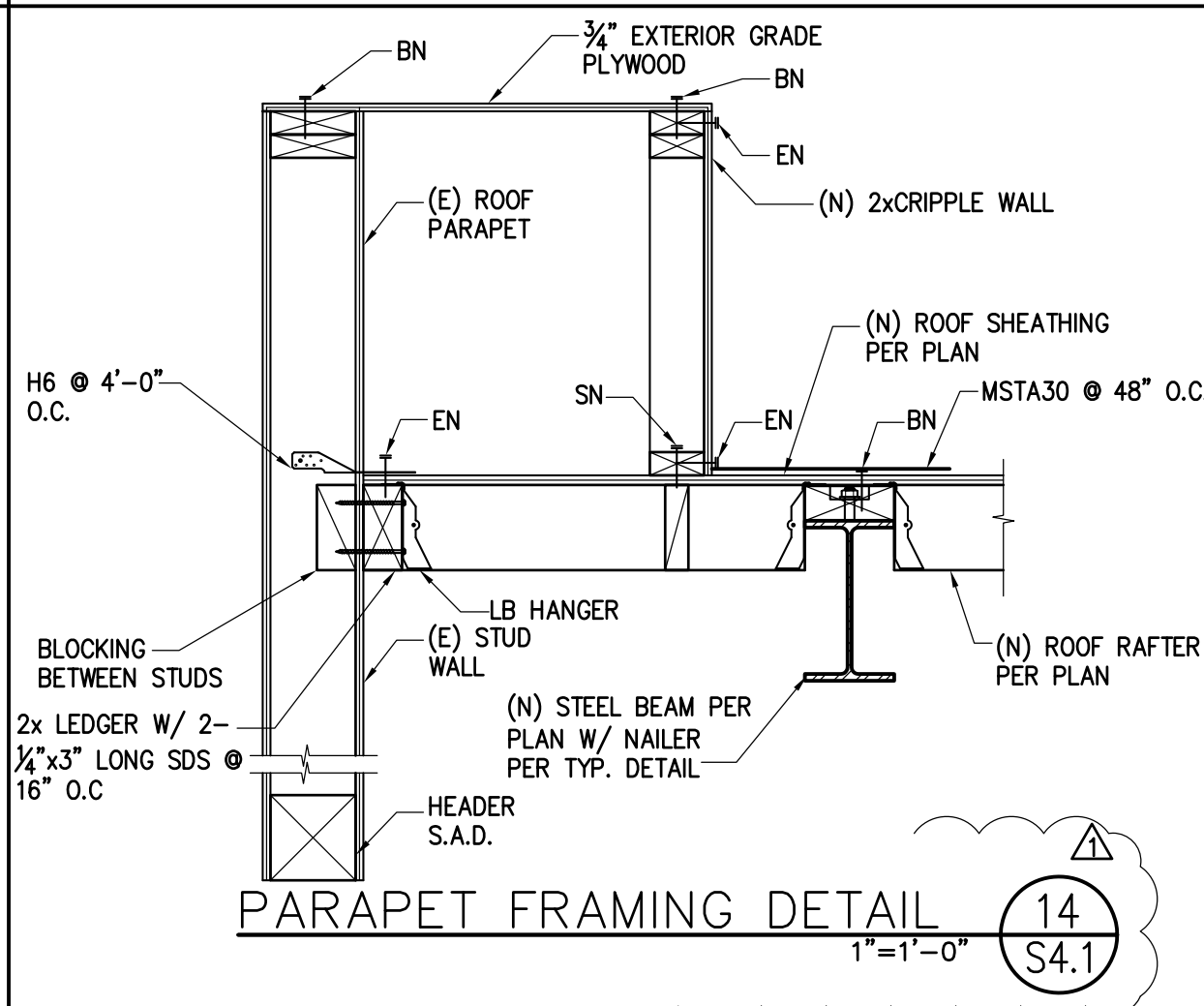
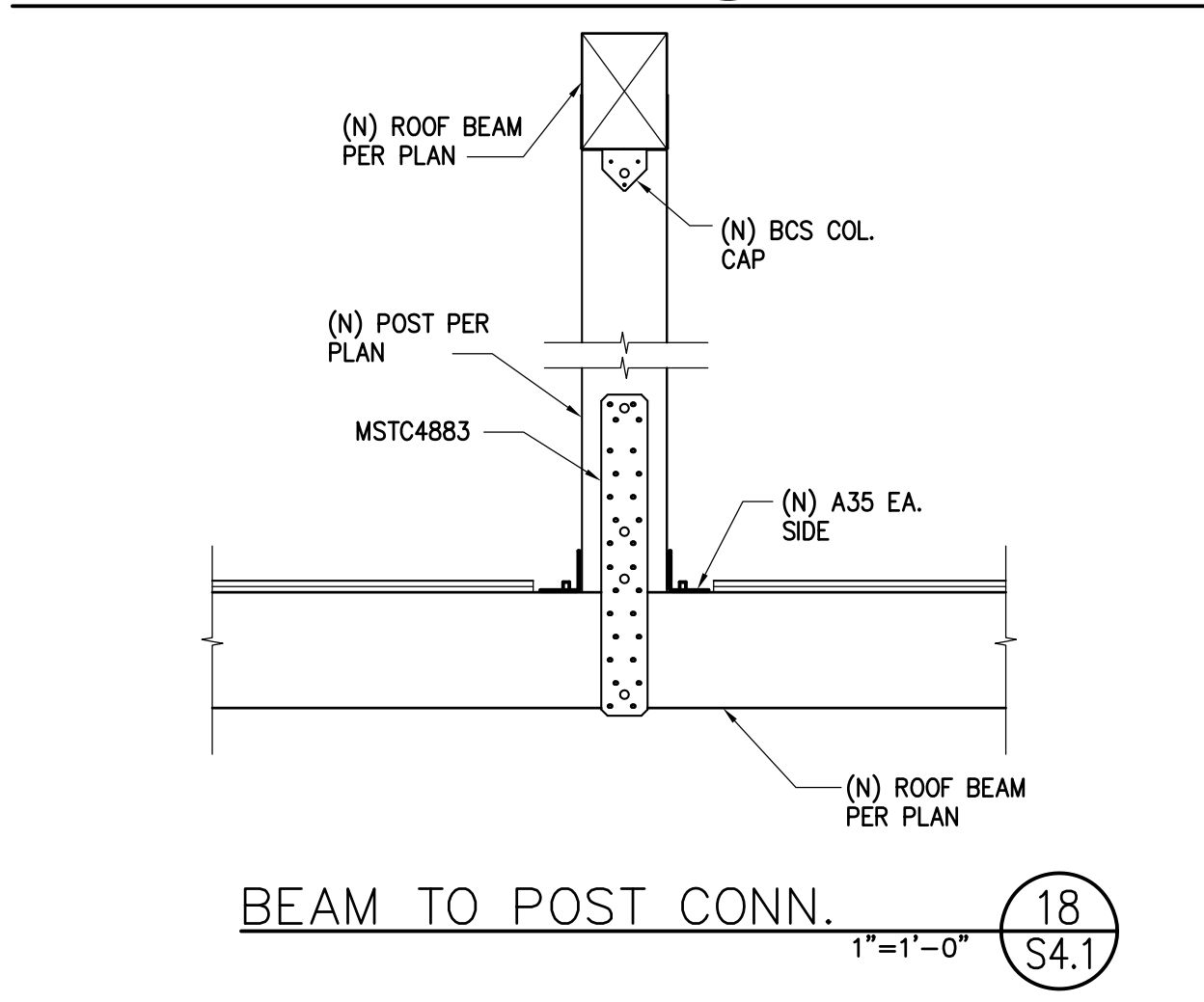
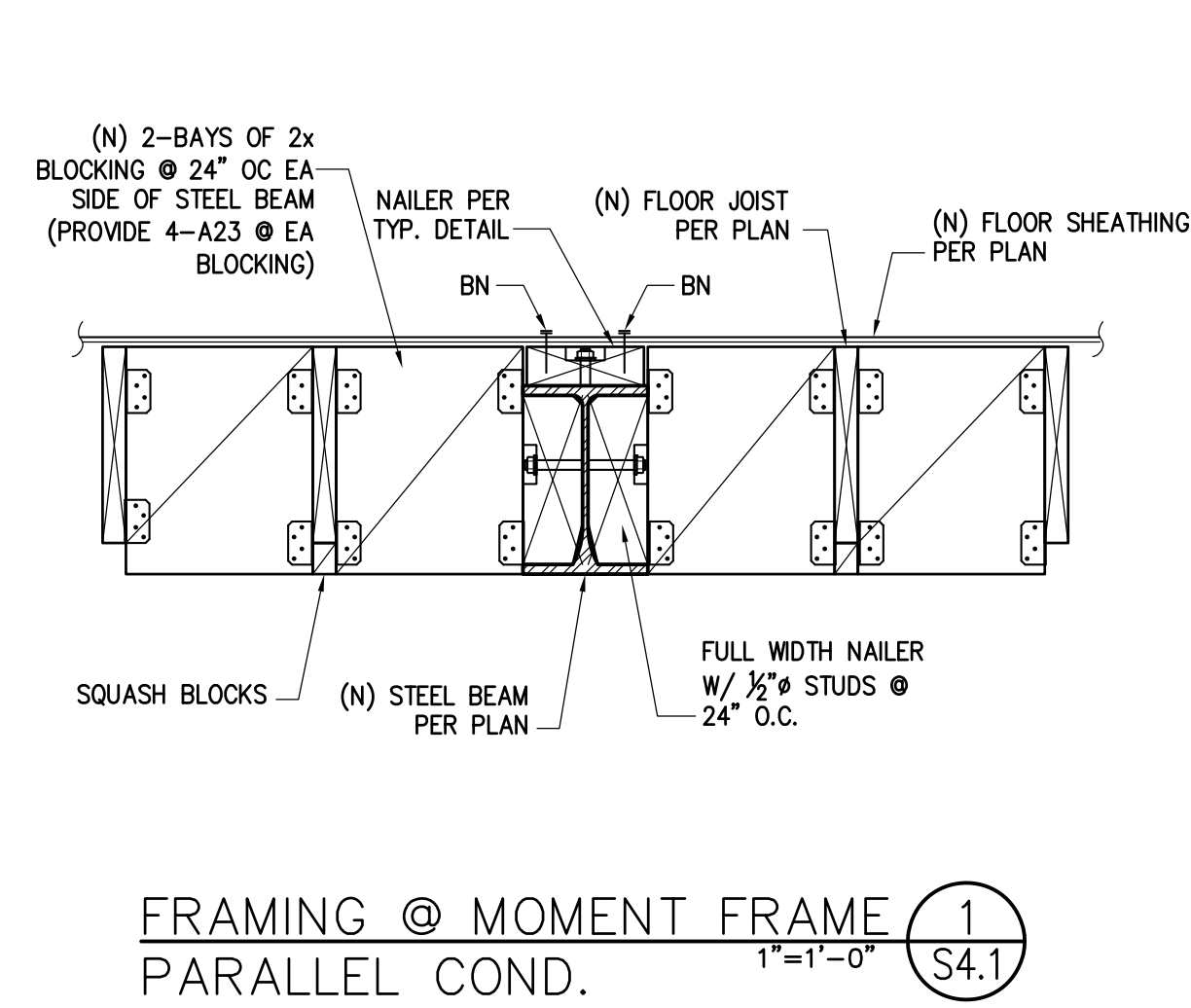
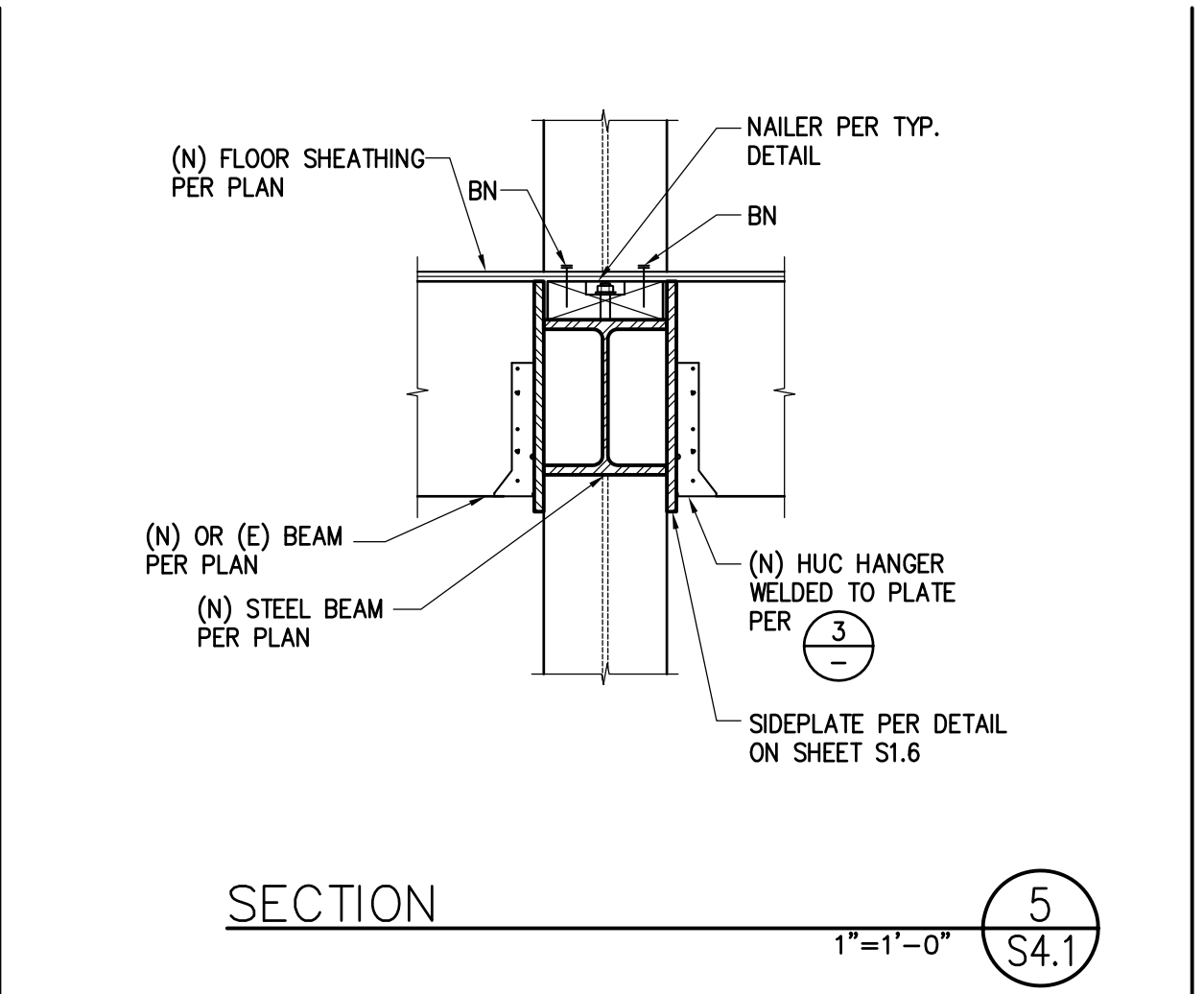
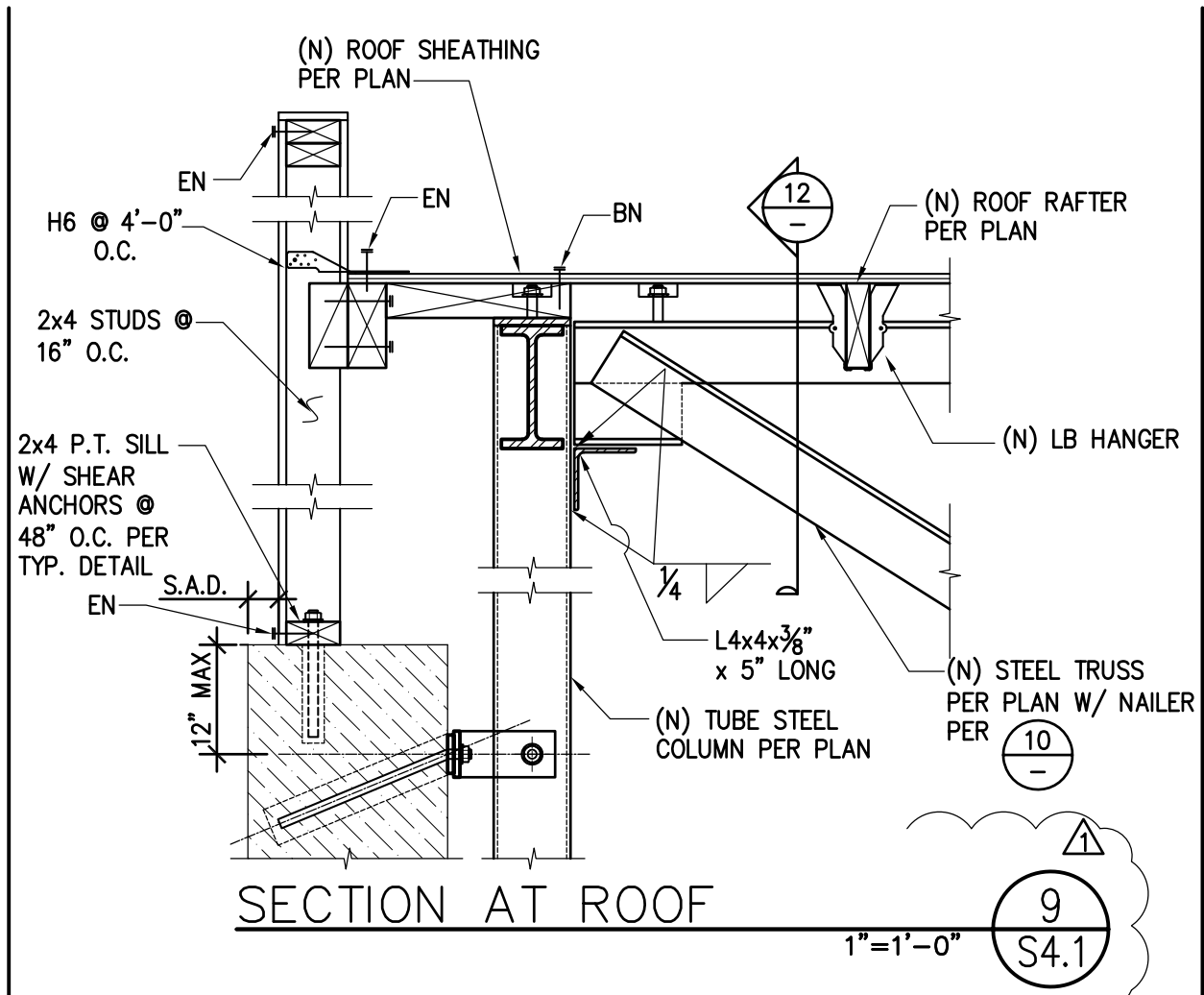
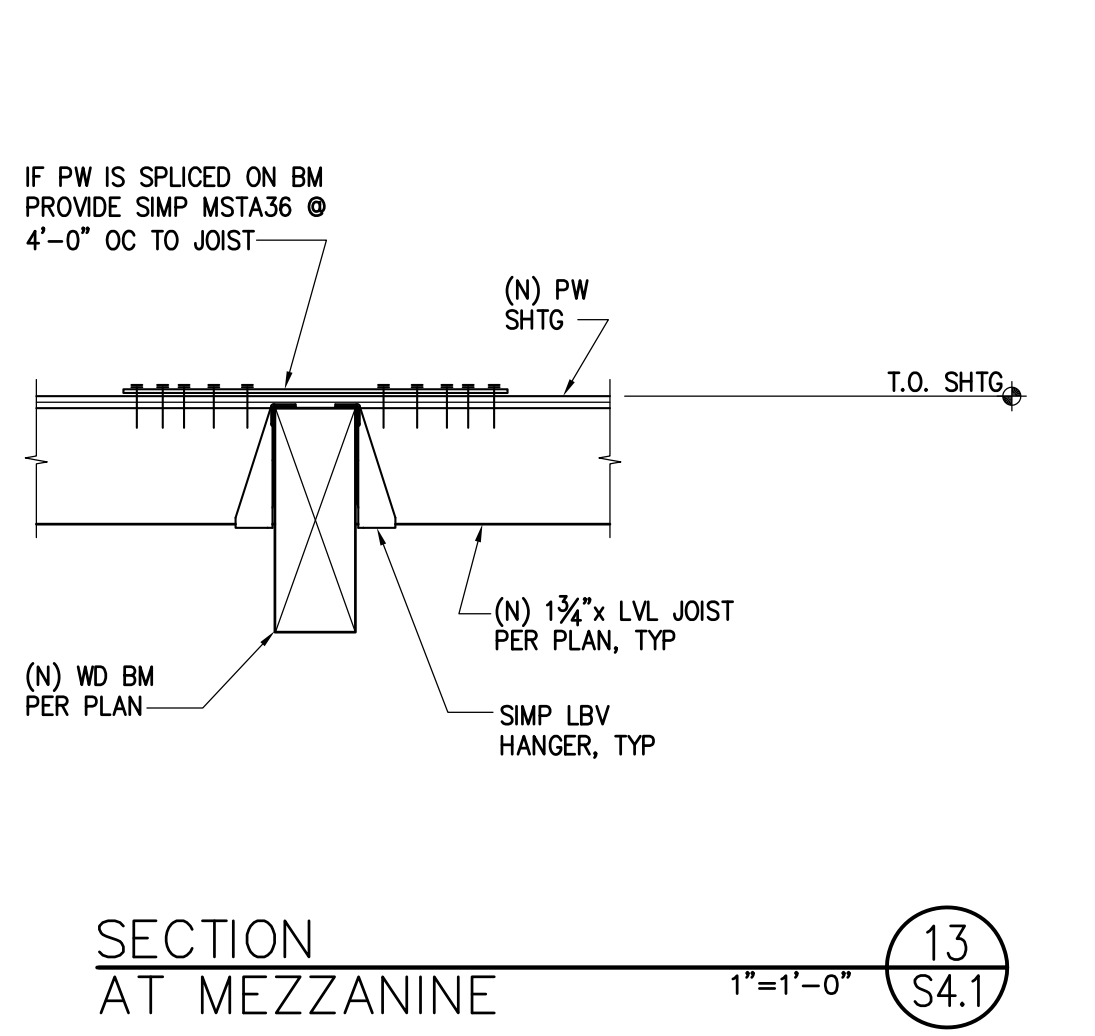
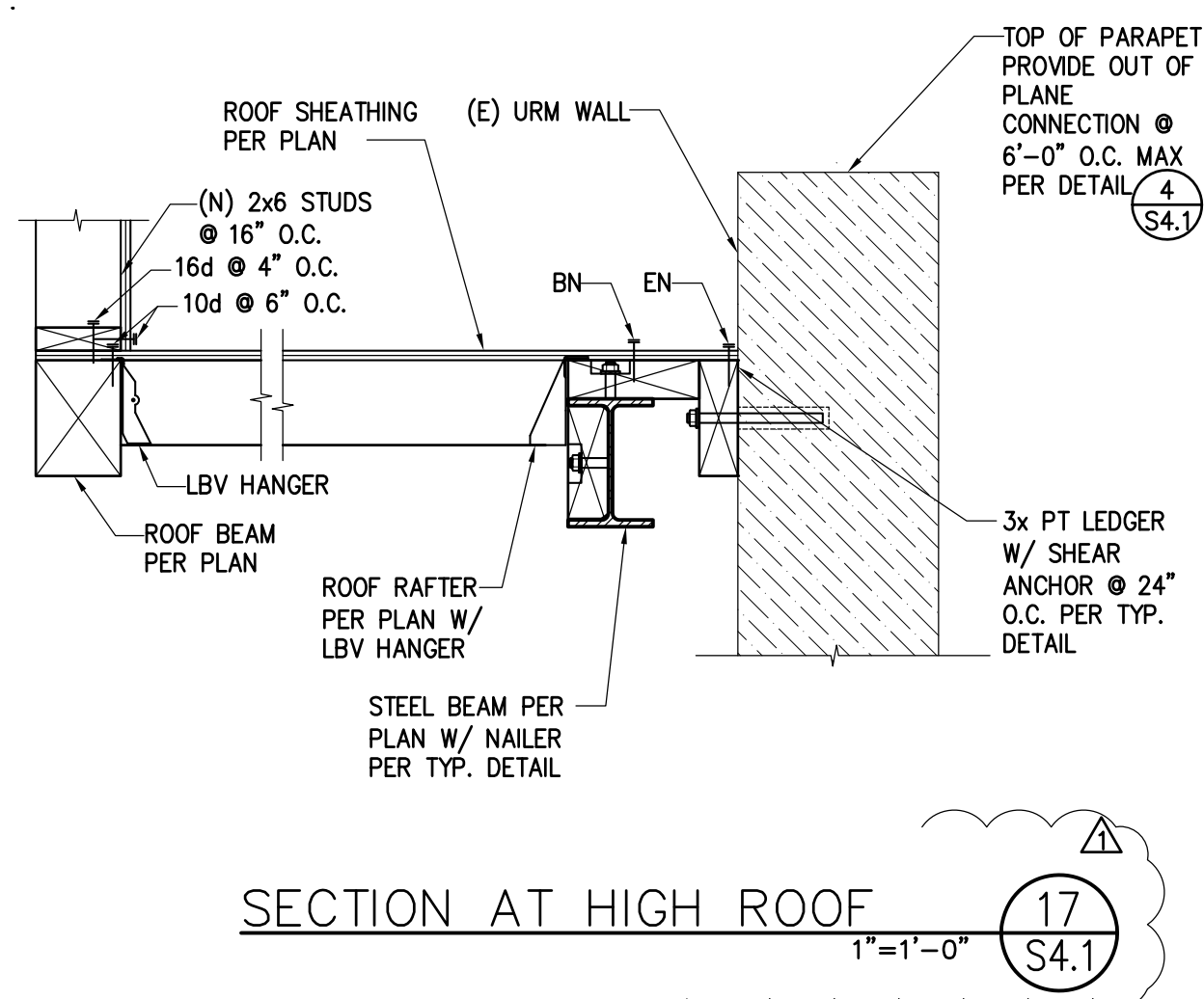


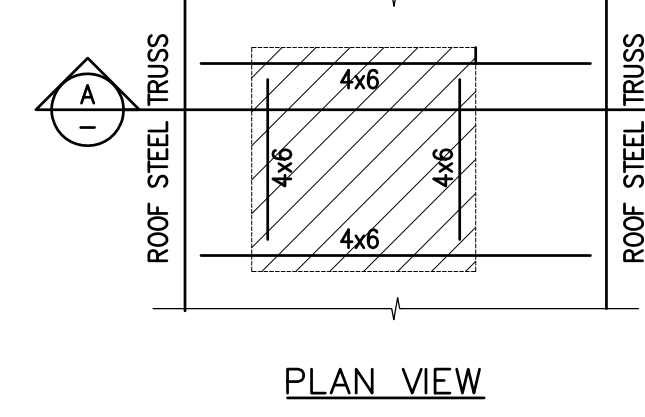
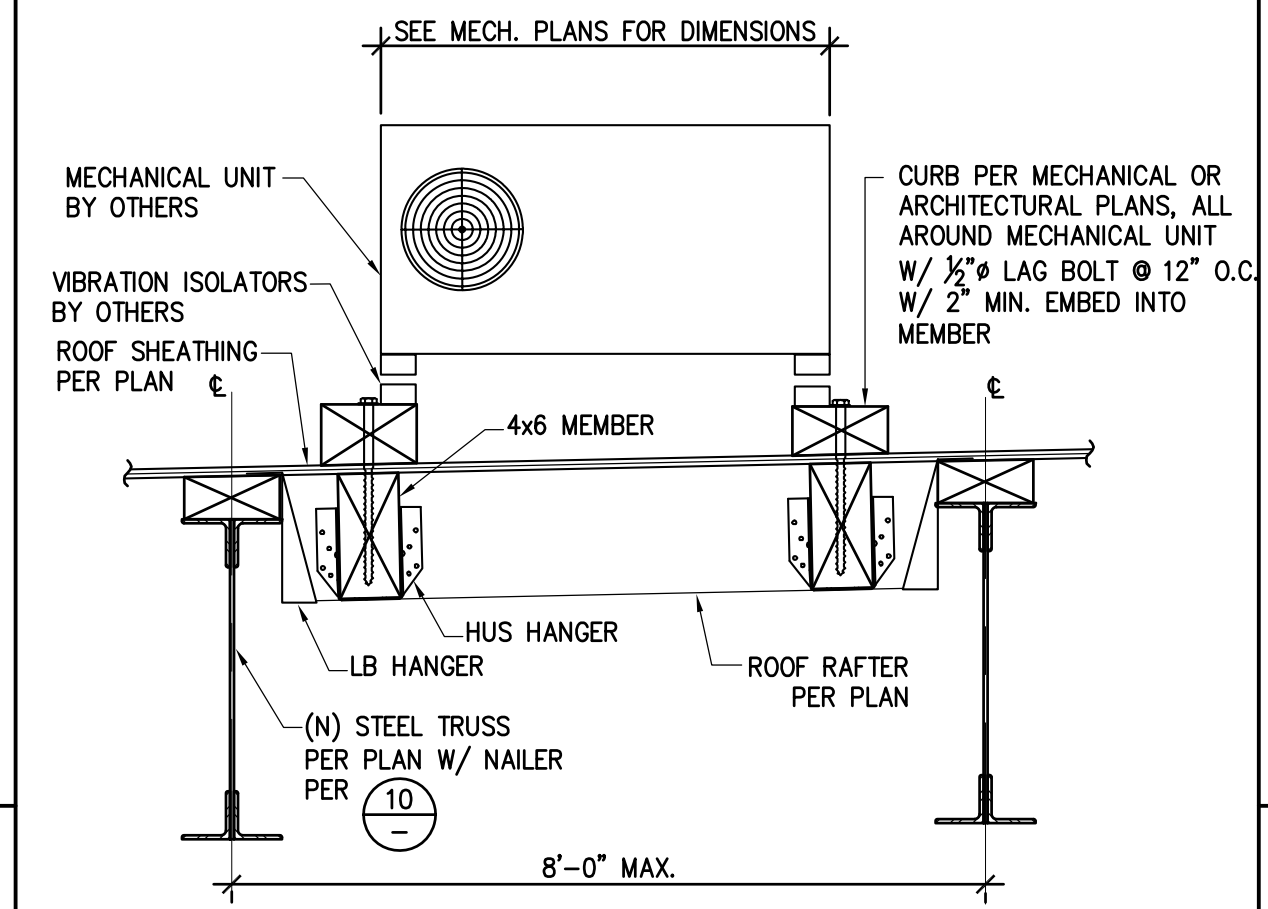
BRACE FRAME CONNECTION AT FOUNDATION **12**
1"=1'-0" S3.2



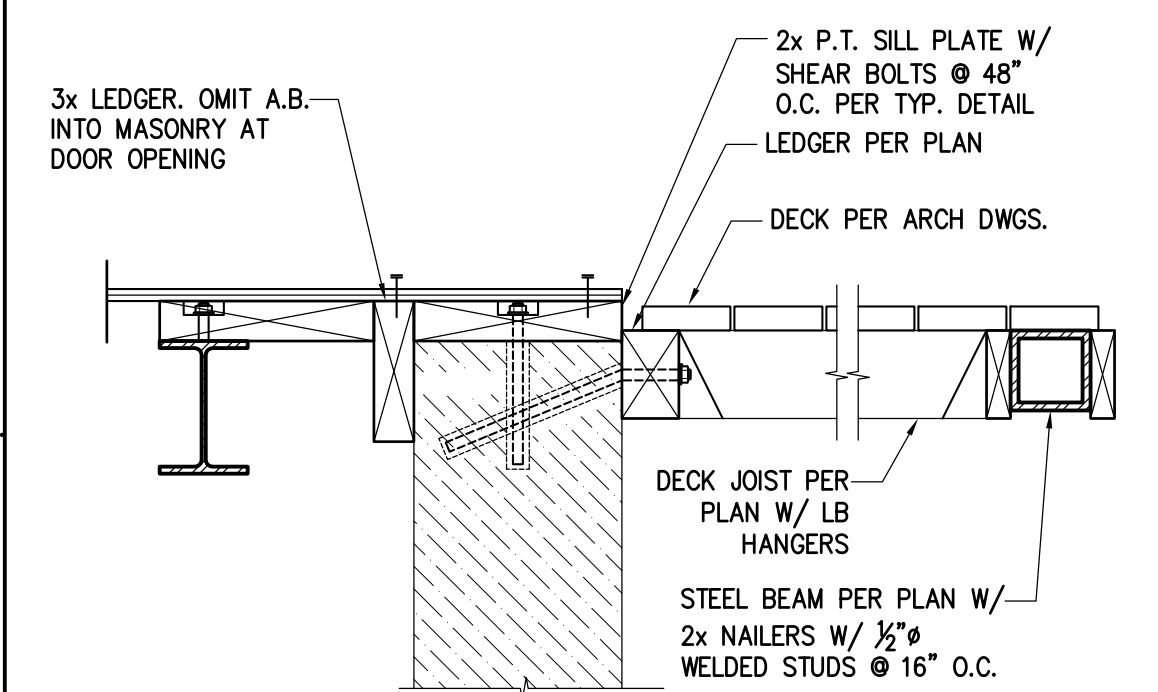
BRACE FRAME CONNECTION AT FOUNDATION **3**
1"=1'-0" S3.2

NOTE: ALL DIMENSIONS ARE PRELIMINARY. DIMENSIONS & ANGLES TO BE FIELD VERIFIED

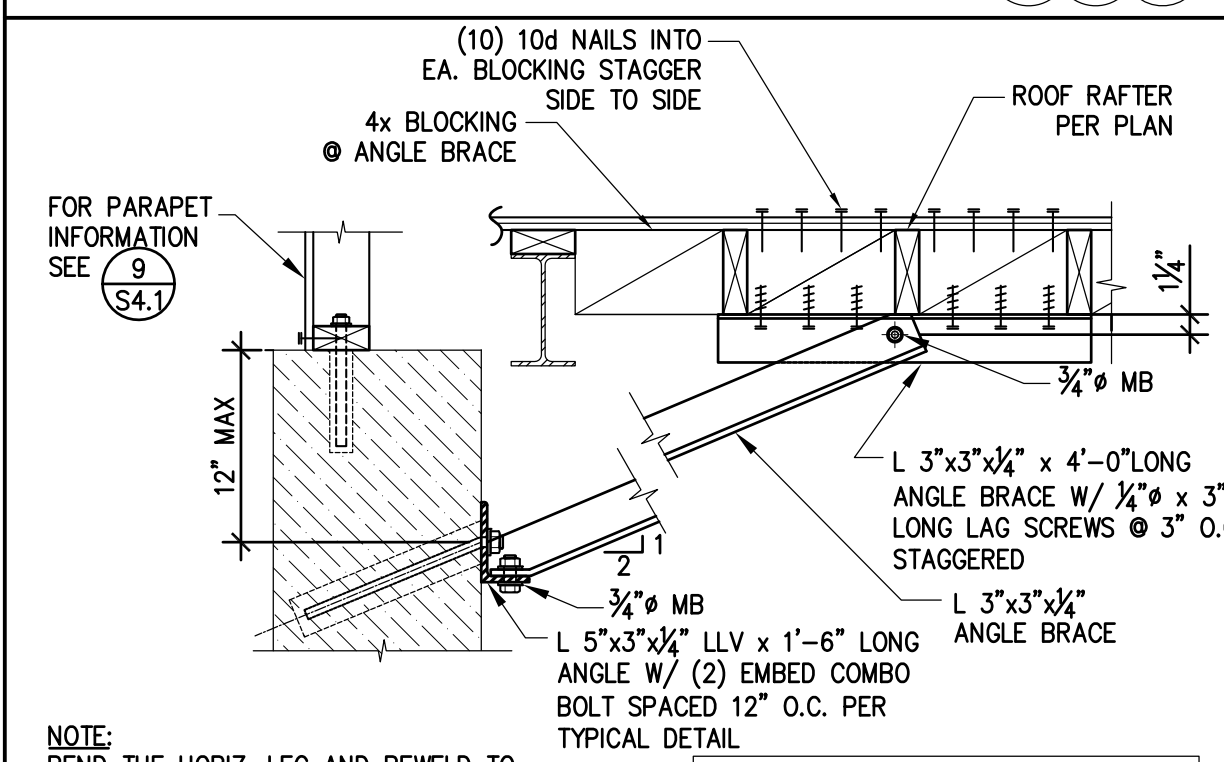




TYP. MECHANICAL UNIT DETAIL @ ROOF 1"=1'-0" S4.3



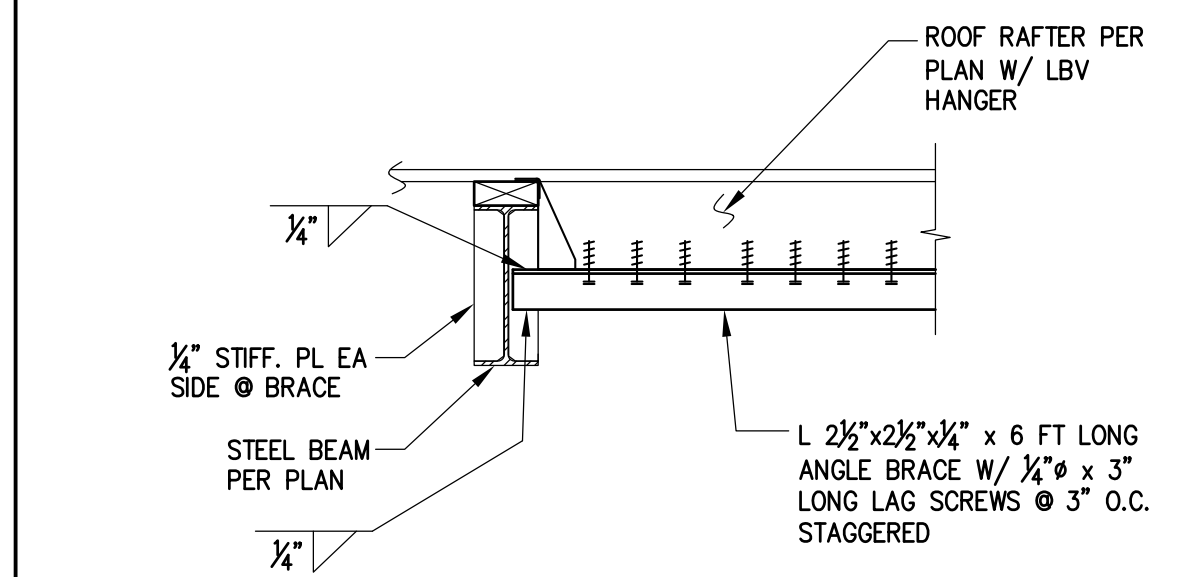
DETAIL @ BALCONY 1"=1'-0" S4.3



NOTE: BEND THE HORIZ. LEG AND REWELD TO VERTICAL LEG @ BOTTOM. COPE ANGLE BRACE VERTICAL LEG AS REQ'D. FOR URM OUT OF PLANE @ CORNERS SEE S4.1

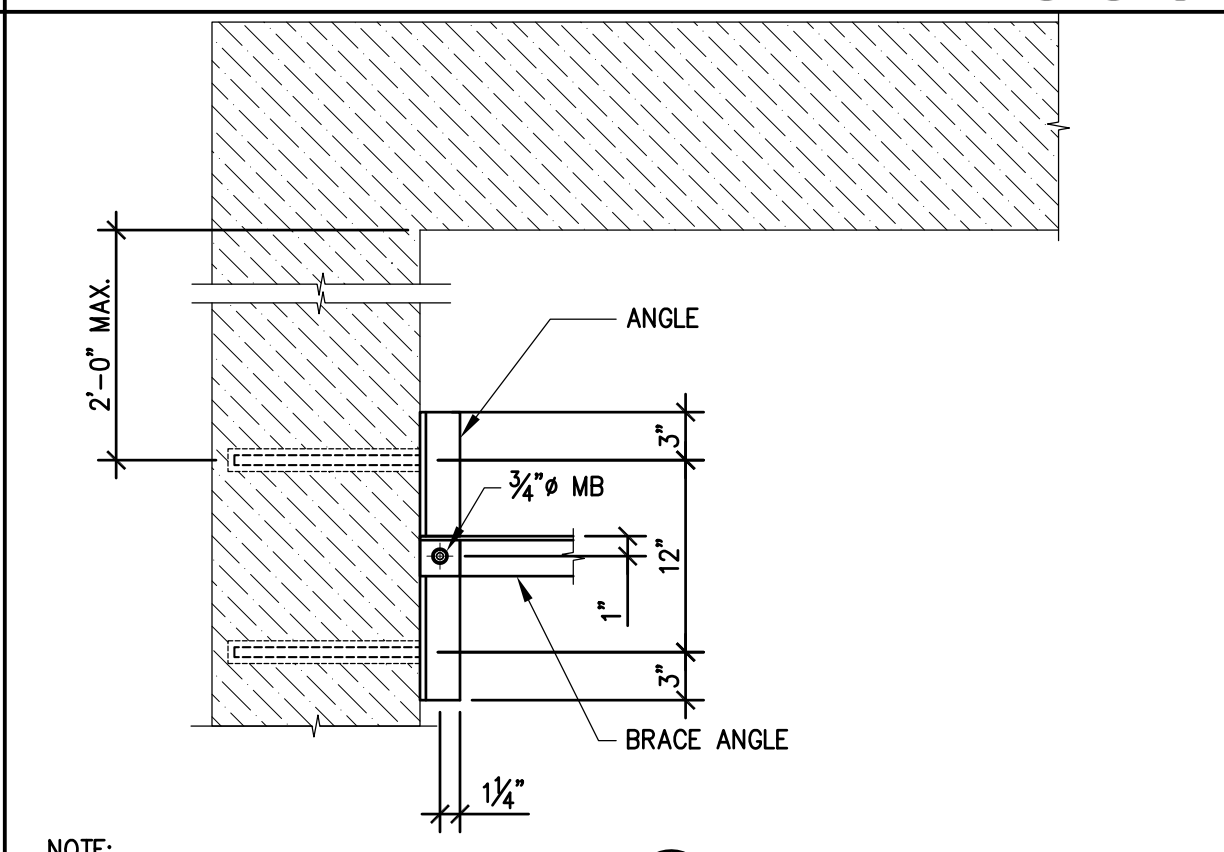
NOTE: PROVIDE 1 BRACE @ MID-SPAN BETWEEN COLUMN BRACES @ GRIDLINES A&D. (1-@ EACH BAY, 8'-0" O.C. MAX.)

URM OUT OF PLANE ANCHORAGE 1"=1'-0" S4.3



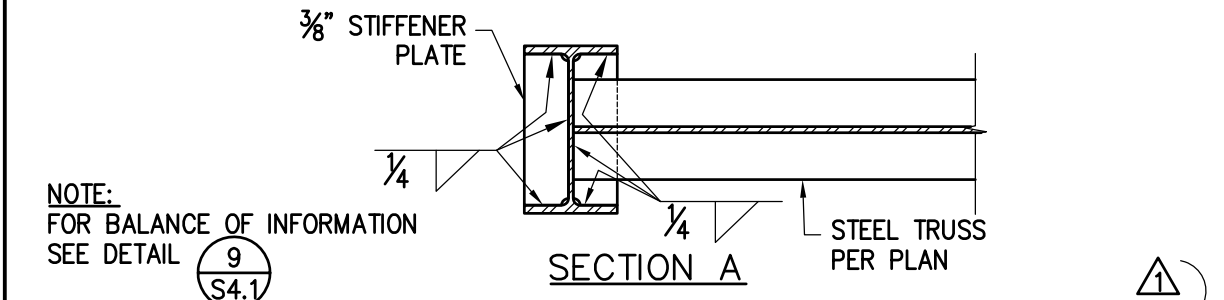
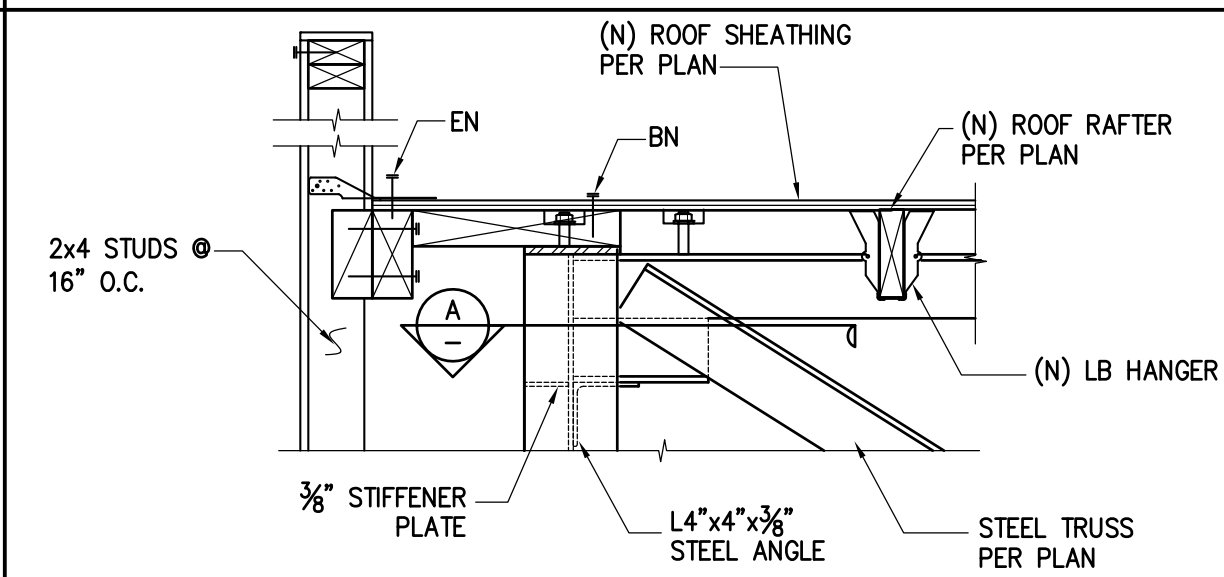
NOTE: COPE ANGLE BRACE VERTICAL LEG AS REQ'D.

MOMENT FRAME BRACE DETAIL 1"=1'-0" S4.3

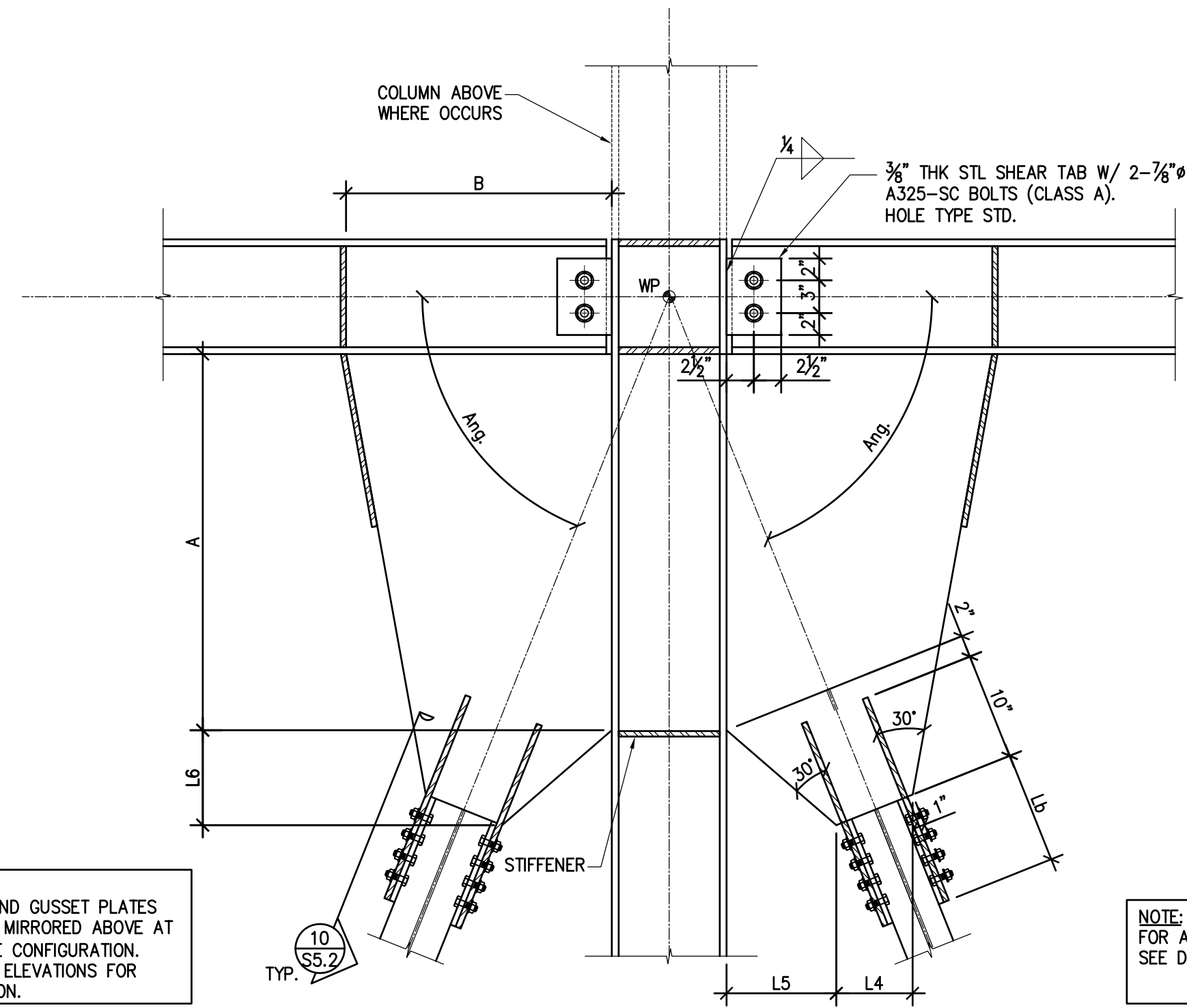


NOTE: FOR INFORMATION NOT SHOWN HERE SEE DETAIL S4.1

URM OUT OF PLANE ANCHORAGE @ CORNERS 1"=1'-0" S4.3



SECTION AT ROOF 1"=1'-0" S4.3



NOTE: BRACES AND GUSSET PLATES SHALL BE MIRRORED ABOVE AT "X" BRACE CONFIGURATION. REFER TO ELEVATIONS FOR APPLICATION.

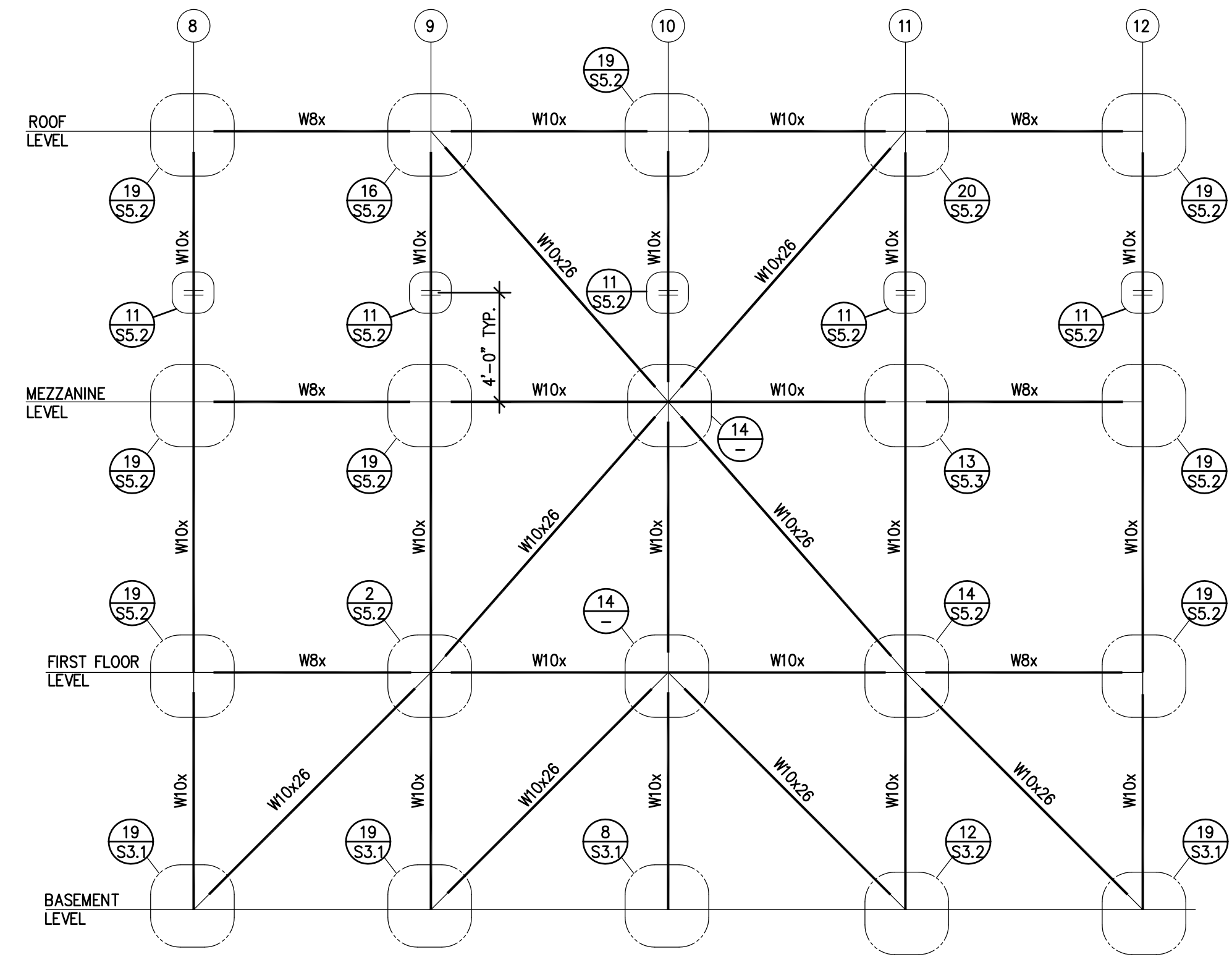
NOTE: FOR ADDITIONAL INFORMATION SEE DETAIL 16

ELEVATION	Ang.	"A"	"B"	"L1"	"L4"	"L5"	"L6"	"Lb"
2-S5.1/4-S5.1	68	28	24"	3.00	7 1/4"	10 1/4"	7 1/2"	10"
6-S5.1	53	18 3/8"	18"	4 3/4"	6 1/4"	11 1/2"	5"	12"
2-S5.1/6-S5.1	44	19 1/4"	12 1/8"	5 5/8"	5 1/4"	12 5/8"	3"	10"

NOTE: ALL DIMENSIONS ARE PRELIMINARY. DIMENSIONS & ANGLES TO BE FIELD VERIFIED

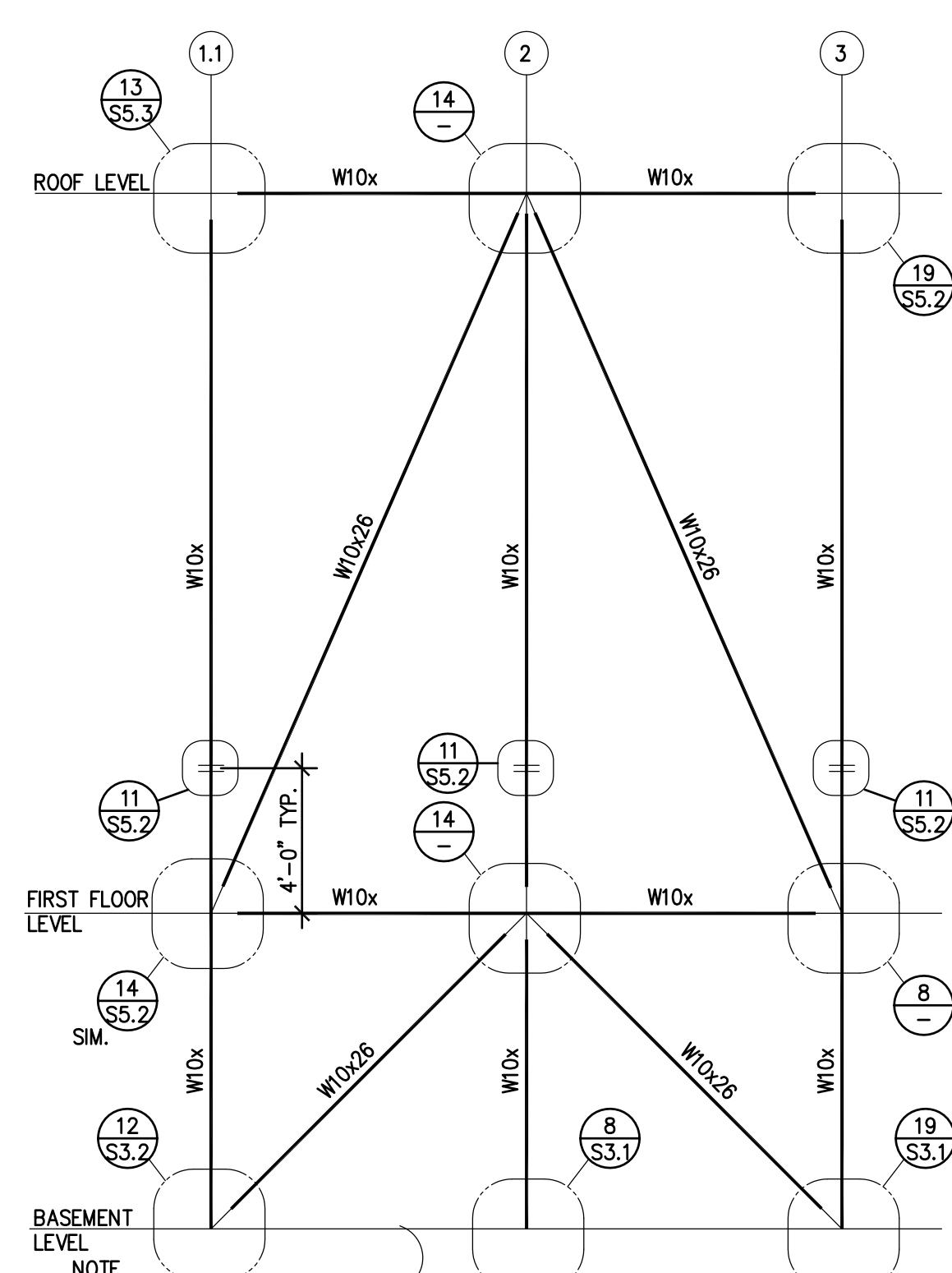
BRACE FRAME CONNECTION

1"=1'-0" 14 S5.1



BRACE FRAME ELEVATION

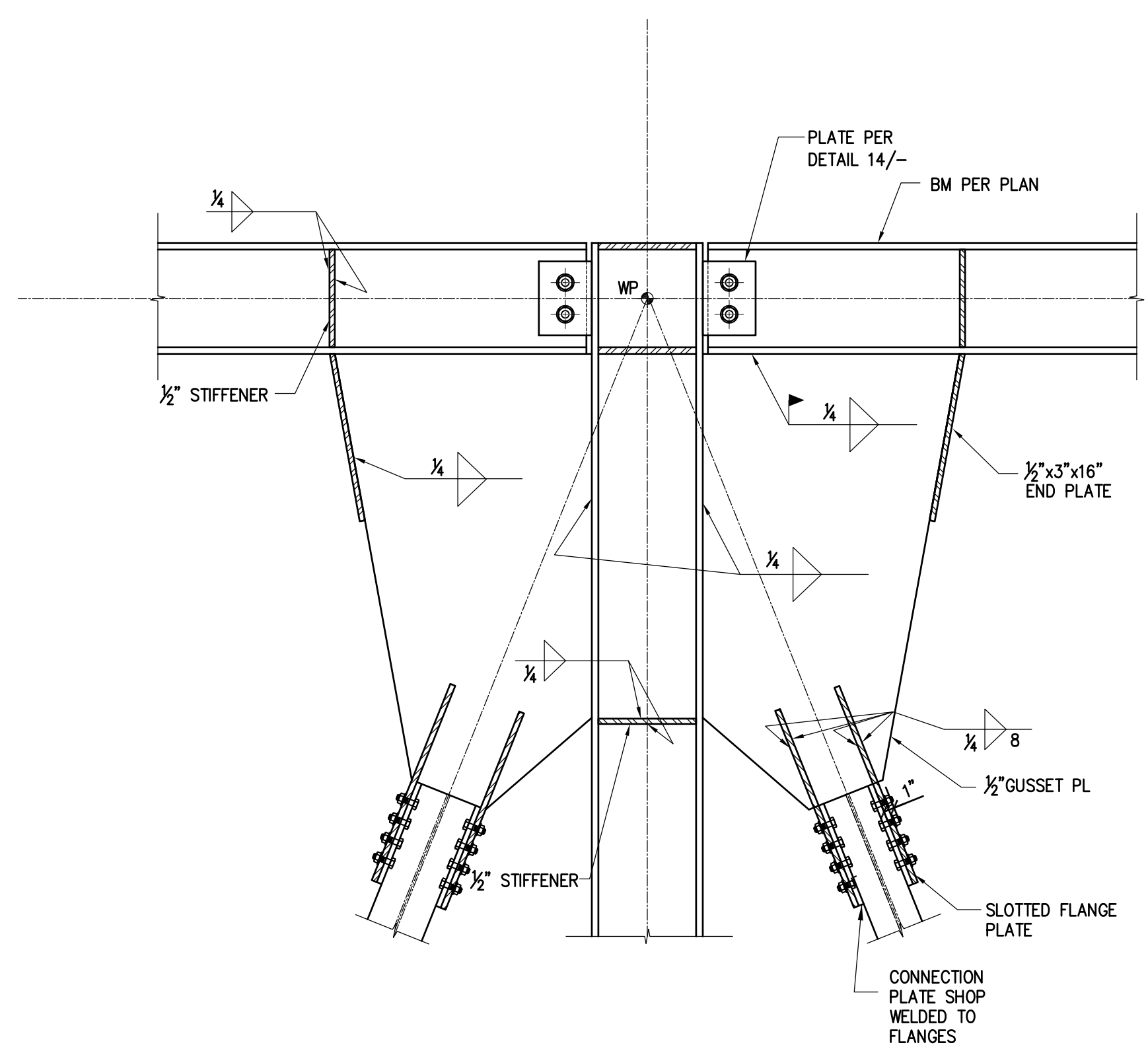
1/4"=1'-0" 6 S5.1



BRACE FRAME ELEVATION

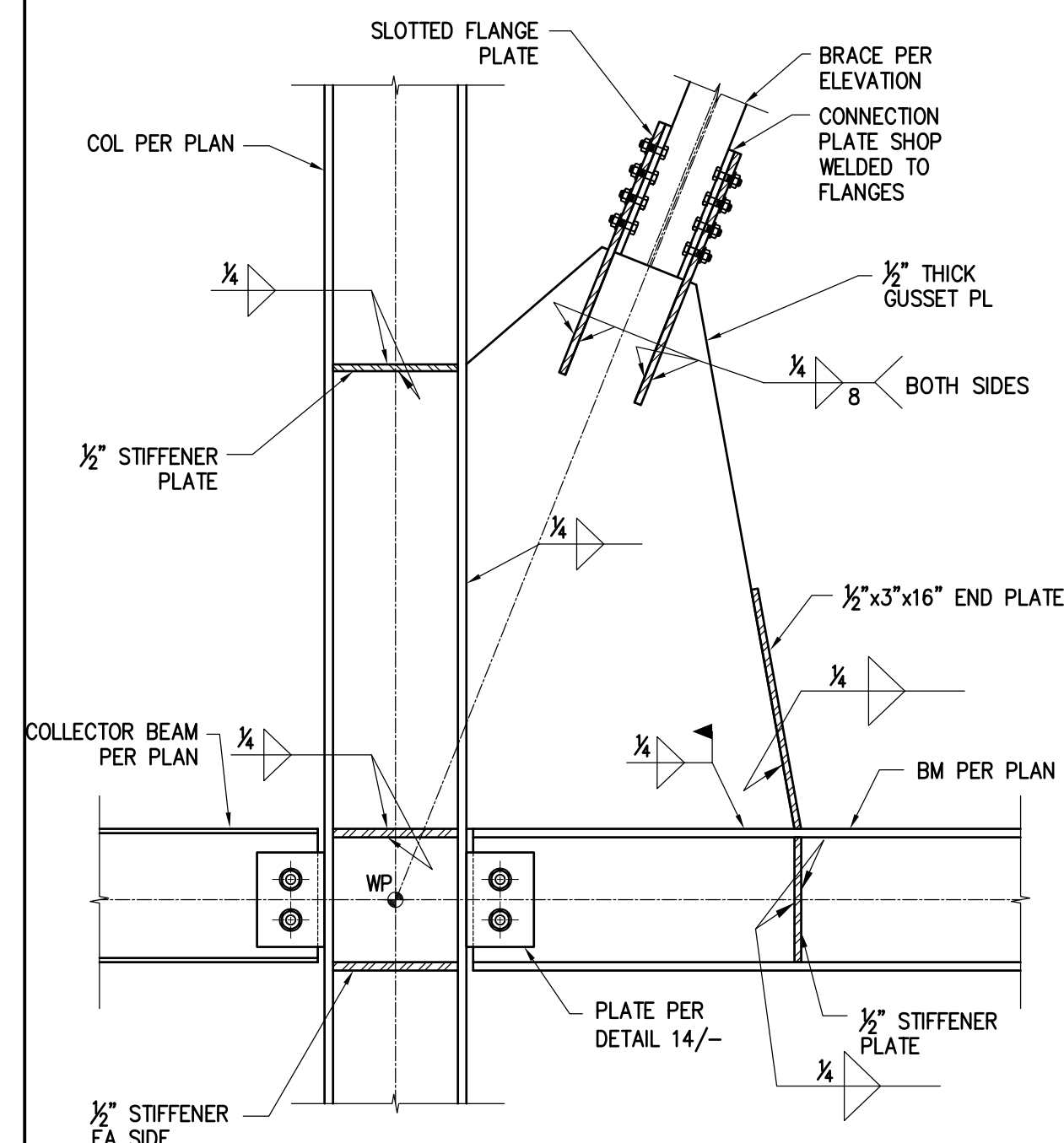
1/4"=1'-0" 2 S5.1

NOTE: IN LIEU OF PROVIDING SPLICES AS SHOWN, AT CONTRACTOR'S OPTION, PROVIDE FULL HEIGHT COLUMN



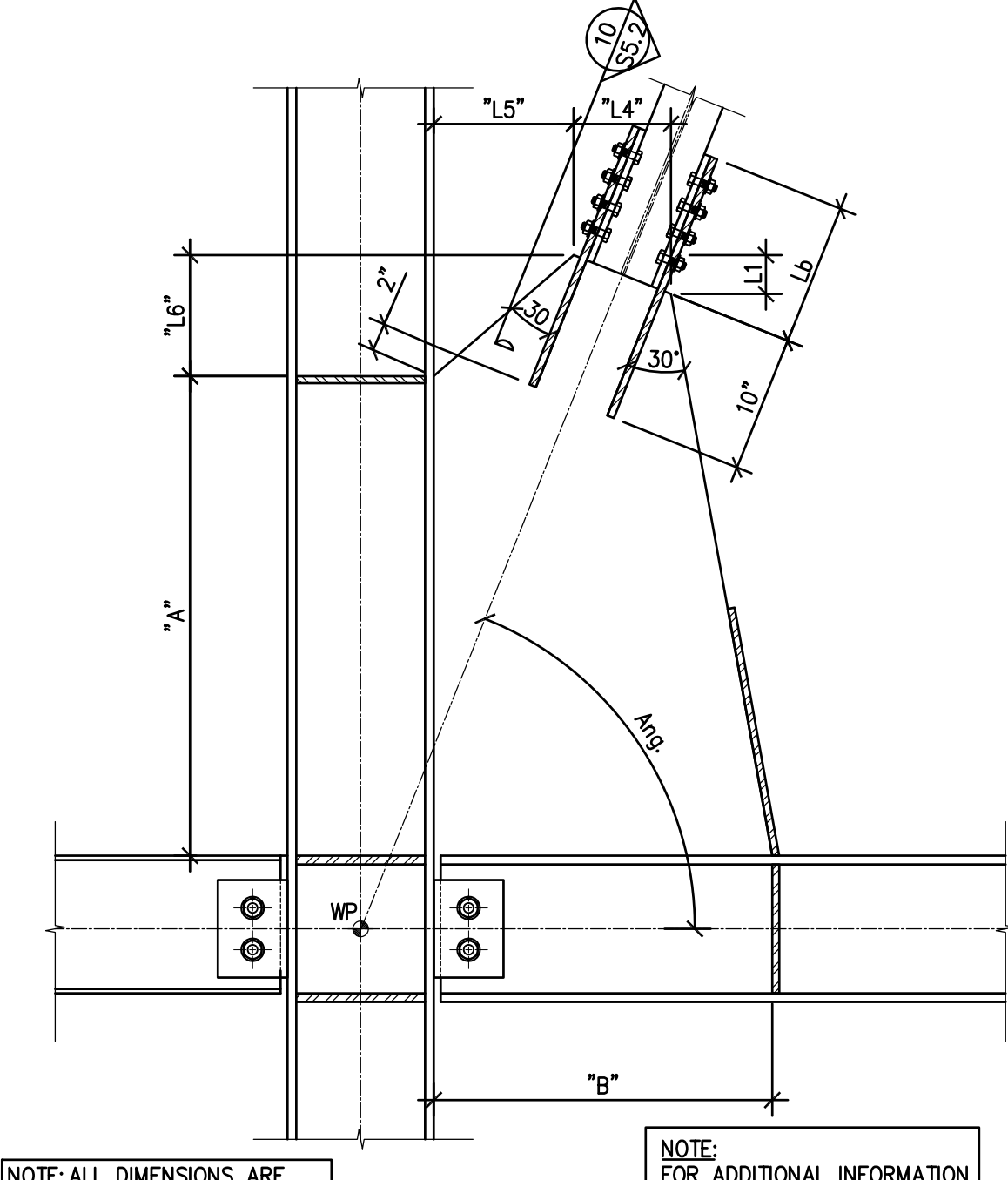
BRACE FRAME CONNECTION

1"=1'-0" 16 S5.1



BRACE FRAME CONNECTION

1"=1'-0" 12 S5.1



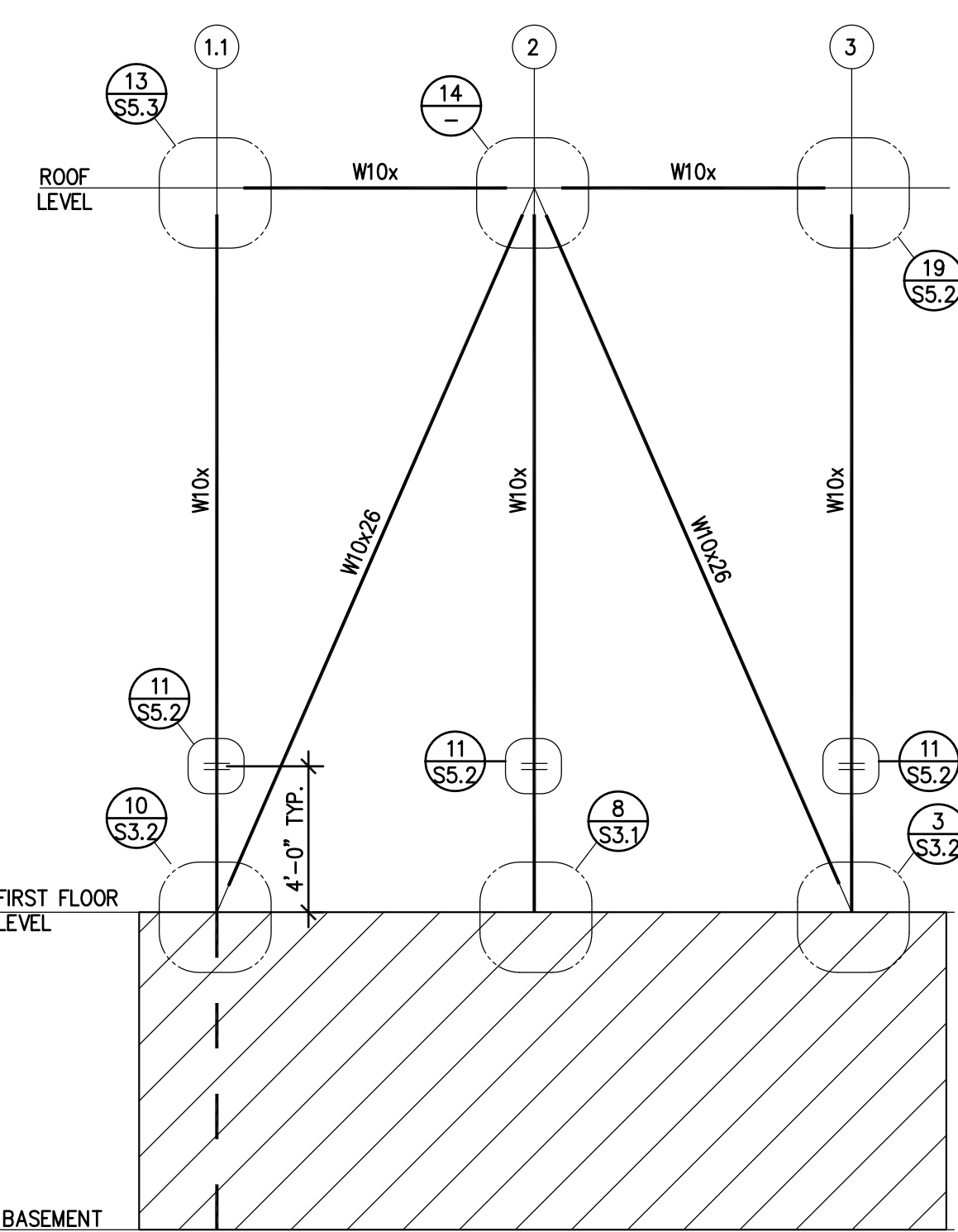
NOTE: ALL DIMENSIONS ARE PRELIMINARY. DIMENSIONS & ANGLES TO BE FIELD VERIFIED

NOTE: FOR ADDITIONAL INFORMATION SEE DETAIL 12

ELEVATION	Ang.	"A"	"B"	"L1"	"L4"	"L5"	"L6"	"Lb"
2-S5.1	68	28	24"	3.00	7 1/4"	10 1/4"	7 1/2"	10"
4-S5.1	53	18 3/8"	18"	4 3/4"	6 1/4"	11 1/2"	5"	12"

BRACE FRAME CONNECTION

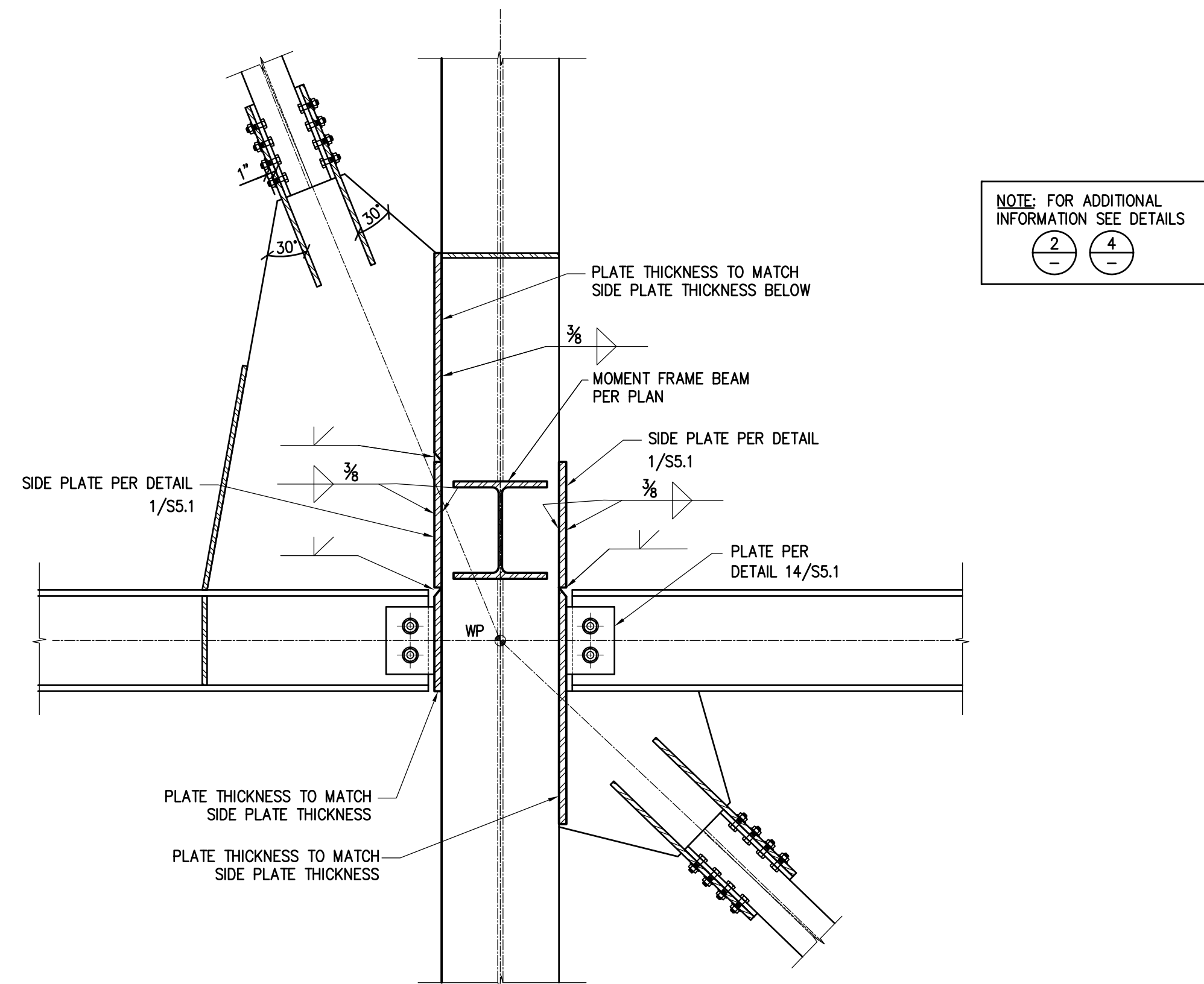
1"=1'-0" 8 S5.1



BRACE FRAME ELEVATION

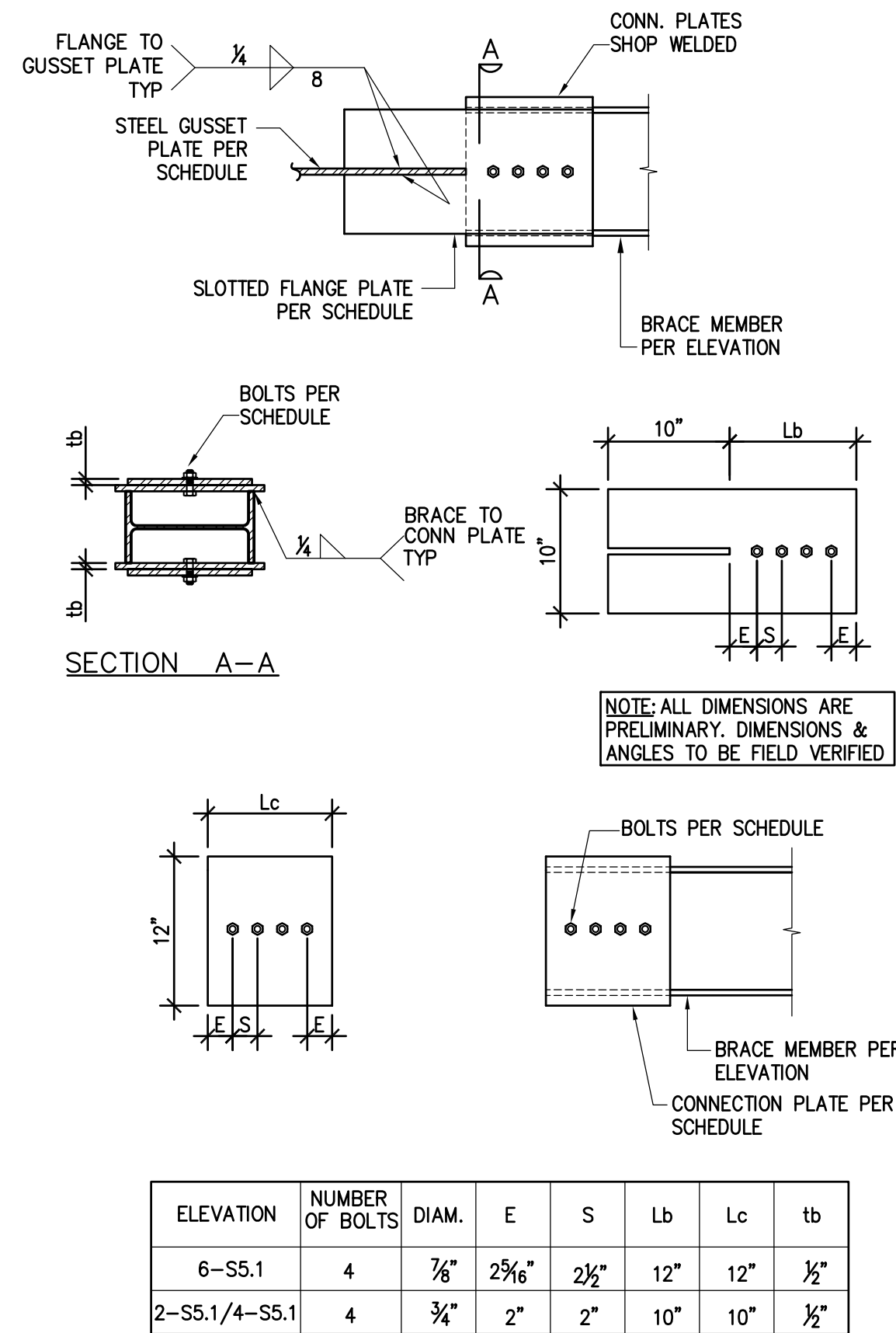
1/4"=1'-0" 4 S5.1

NOTE: IN LIEU OF PROVIDING SPLICES AS SHOWN, AT CONTRACTOR'S OPTION, PROVIDE FULL HEIGHT COLUMN



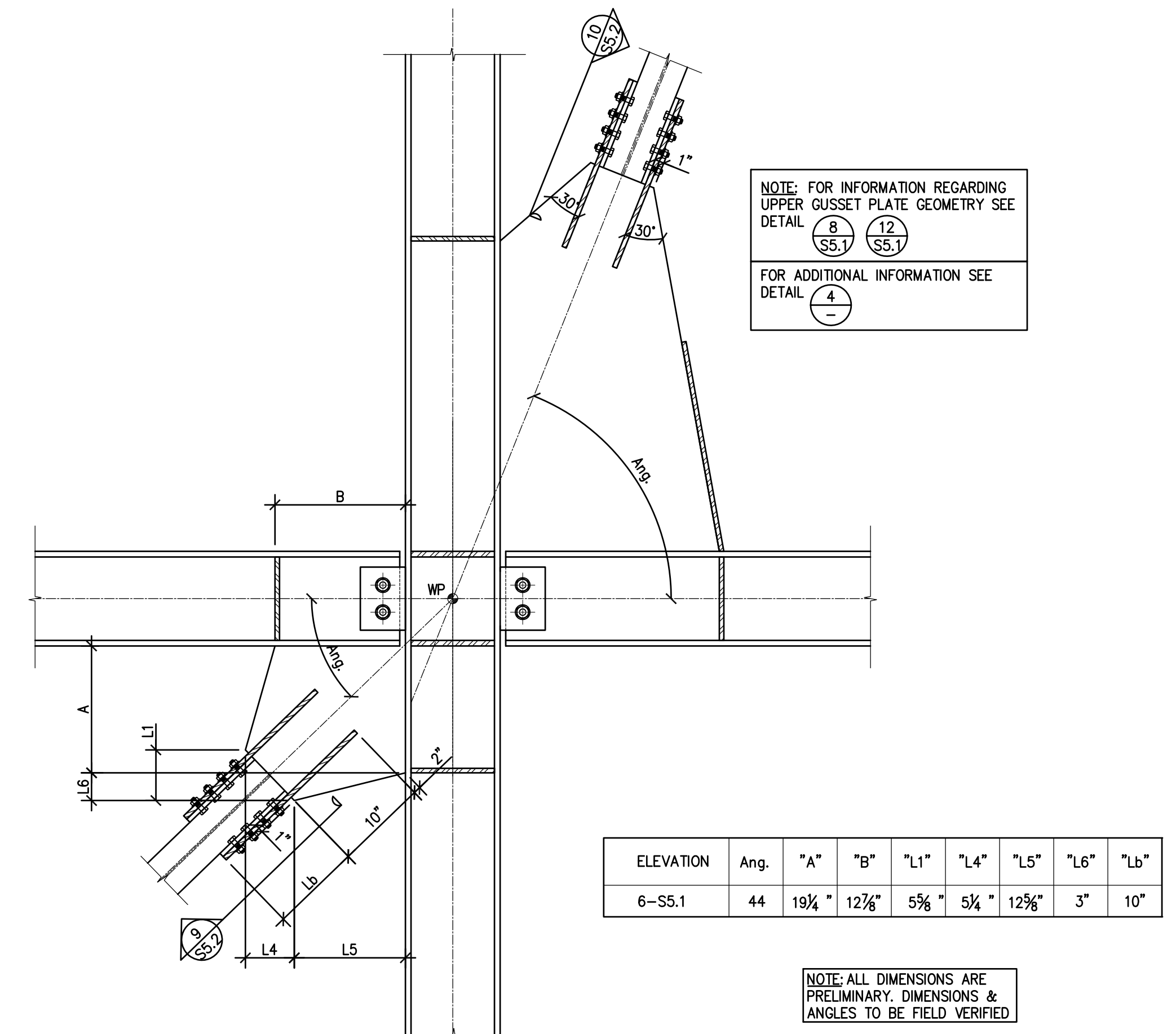
BRACE FRAME CONNECTION

1"=1'-0" (14) S5.2



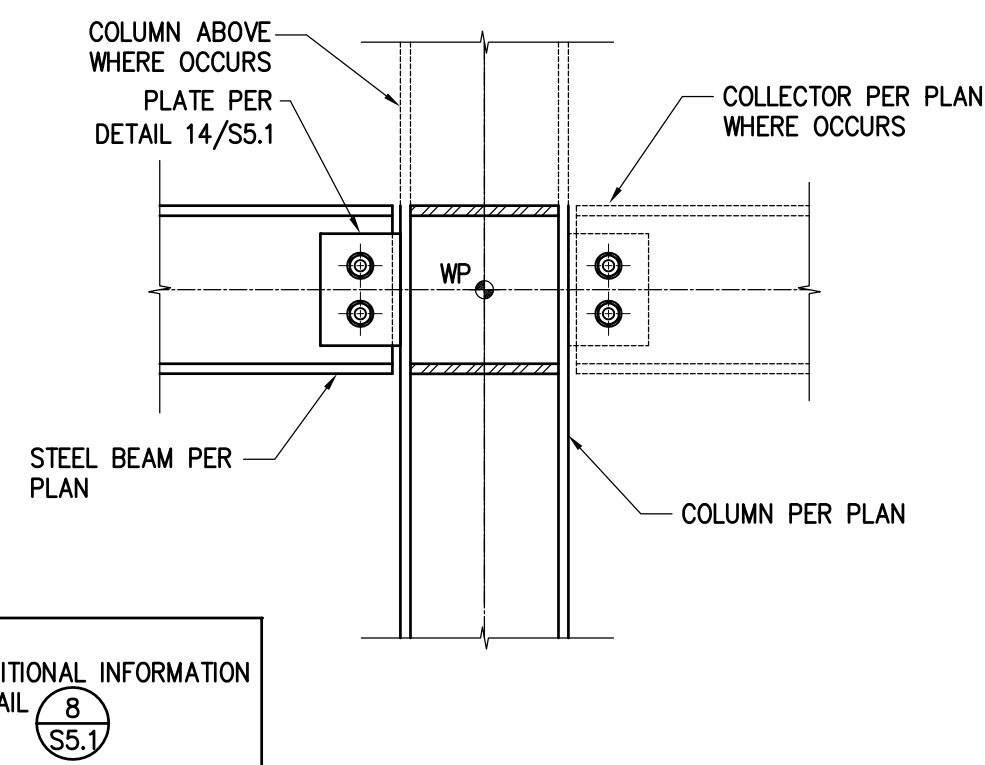
FLANGE PLATE & CONNECTION PLATE DETAIL

1"=1'-0" (10) S5.2



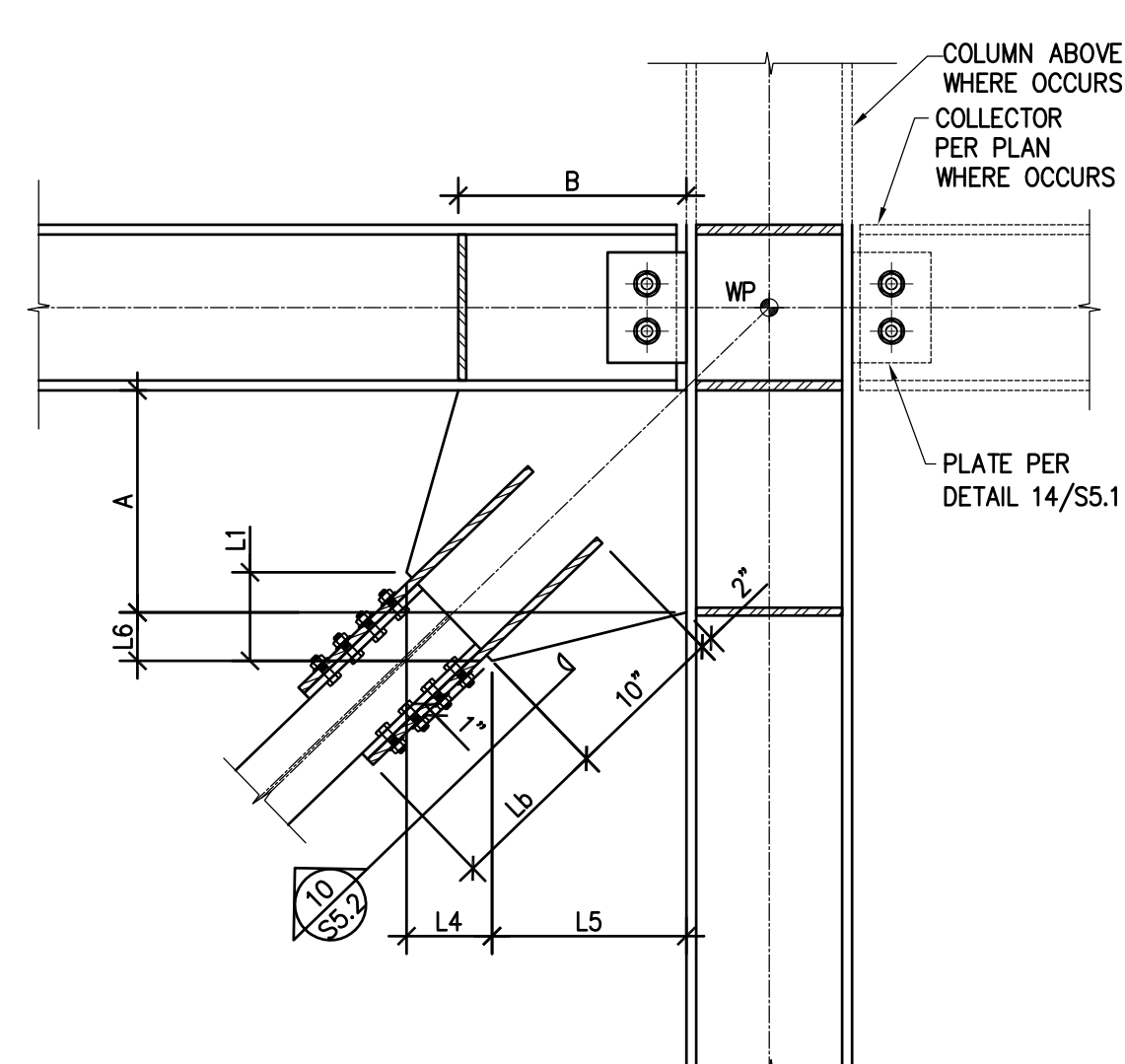
BRACE FRAME CONNECTION

1"=1'-0" (2) S5.2



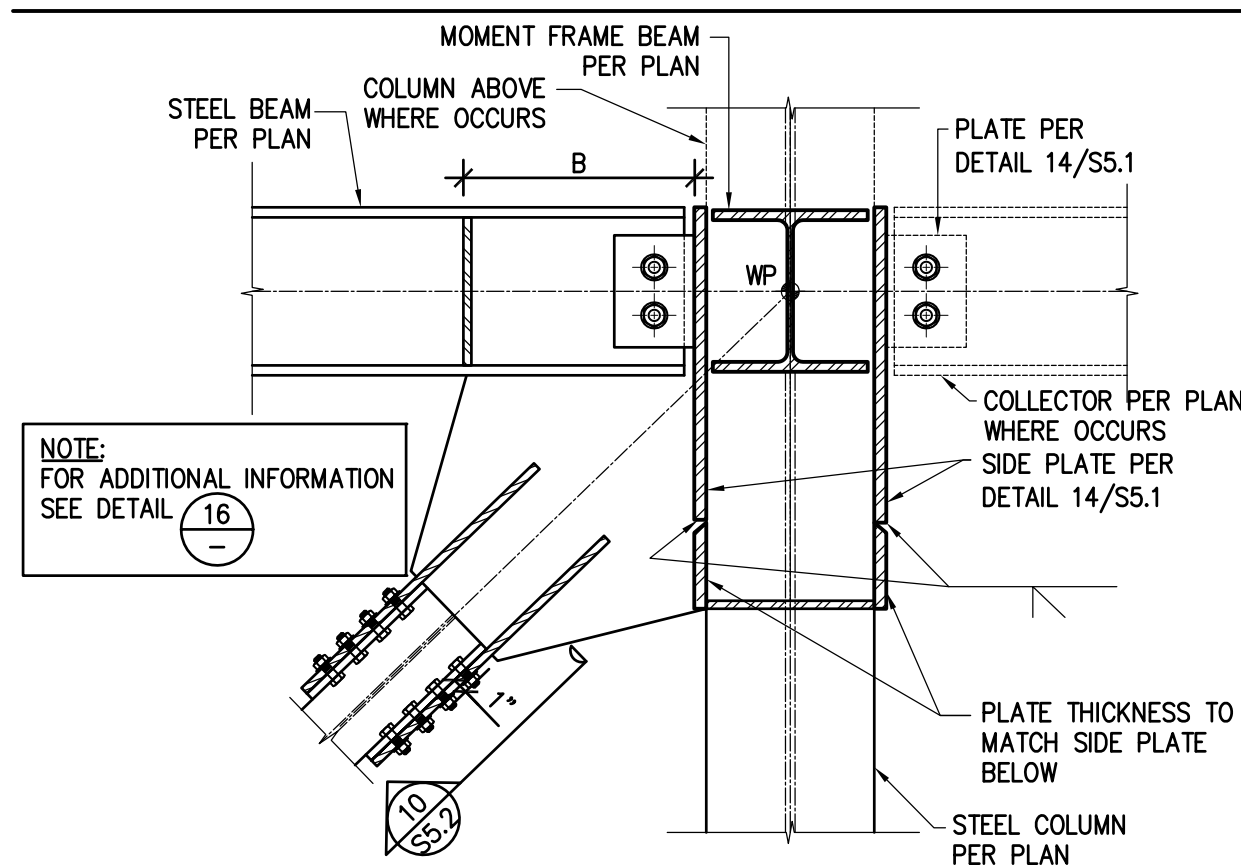
CONNECTION DETAIL

1"=1'-0" (19) S5.2



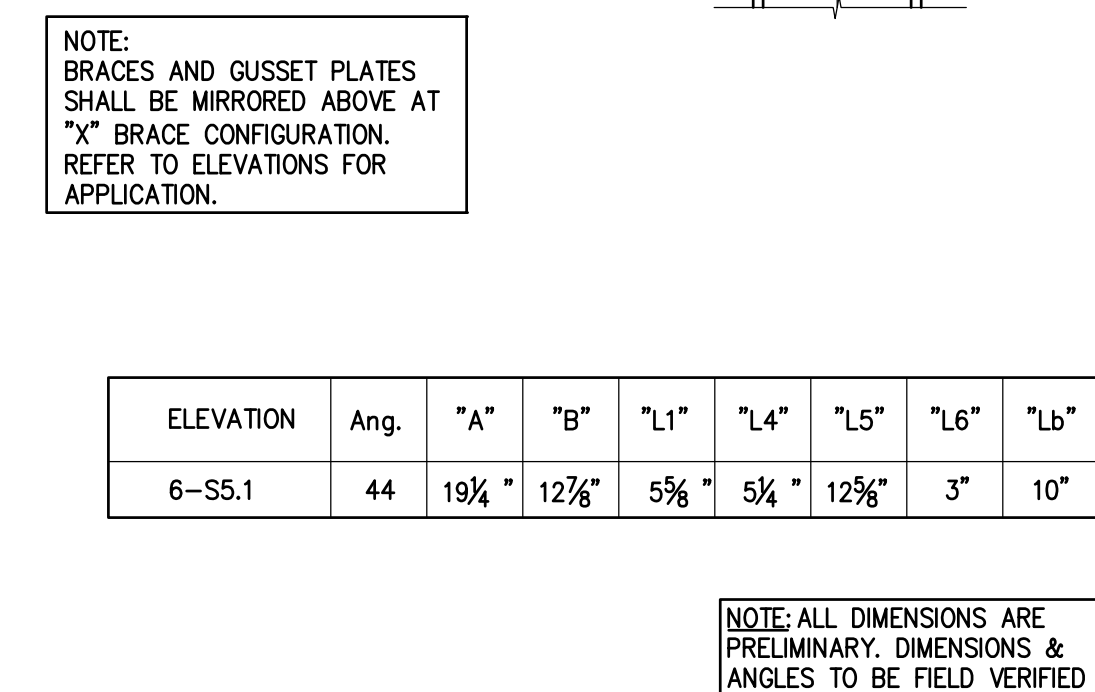
FRAME COLUMN SPLICE

1"=1'-0" (11) S5.2



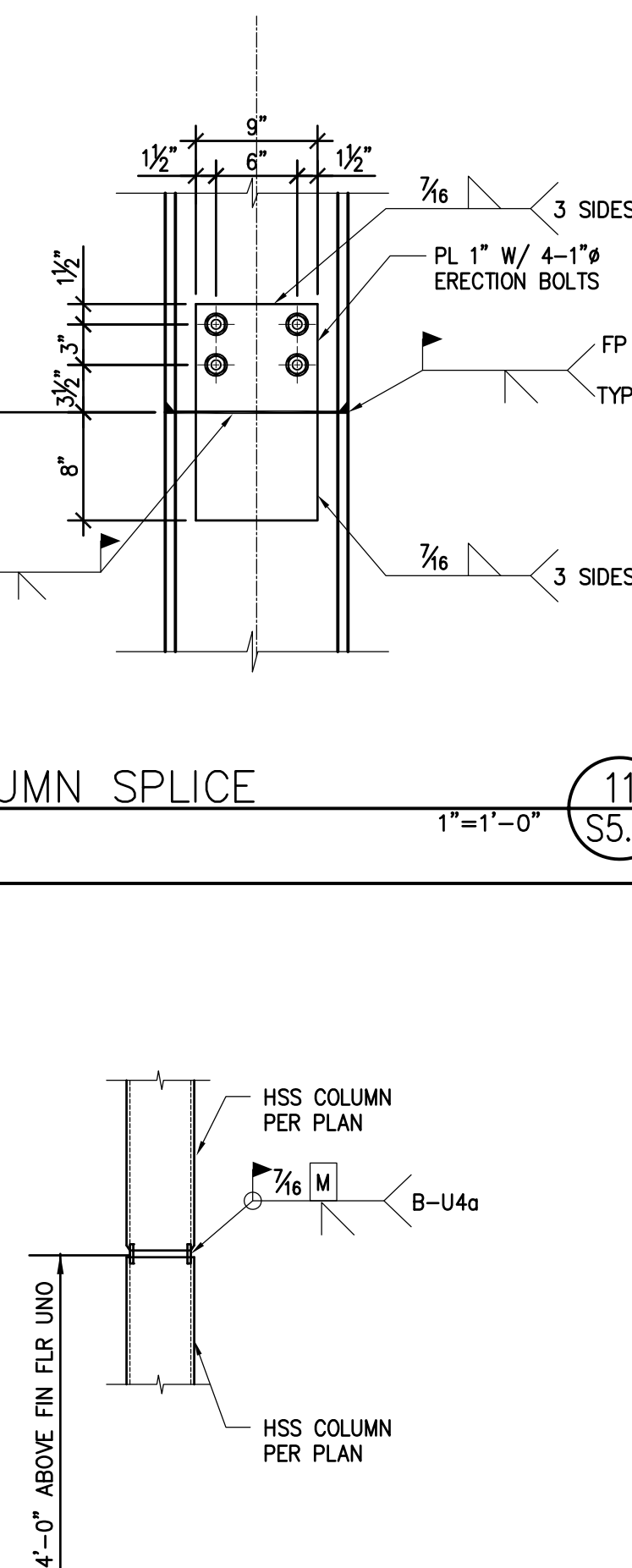
BRACE FRAME CONNECTION

1"=1'-0" (20) S5.2



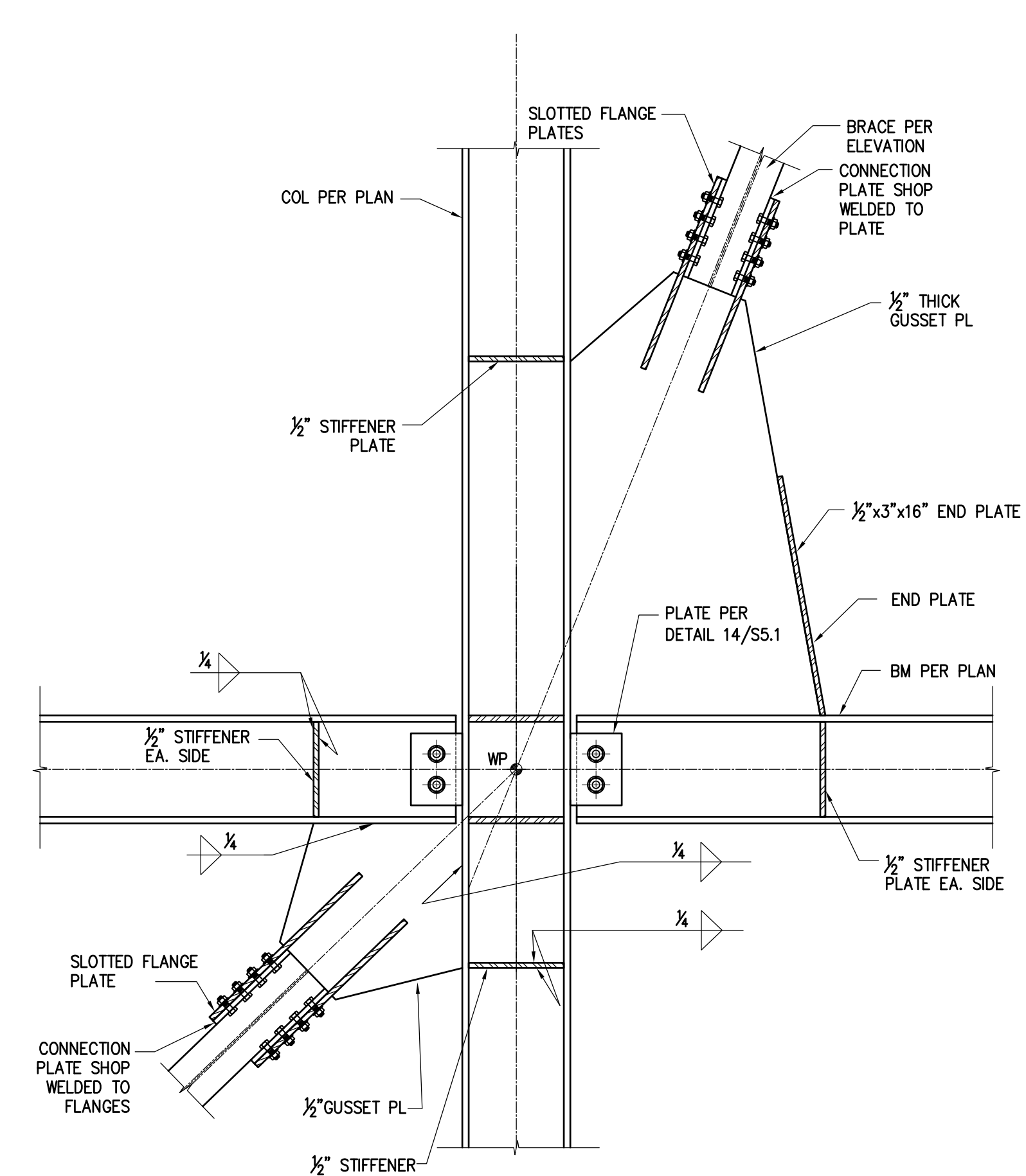
BRACE FRAME CONNECTION

1"=1'-0" (16) S5.2



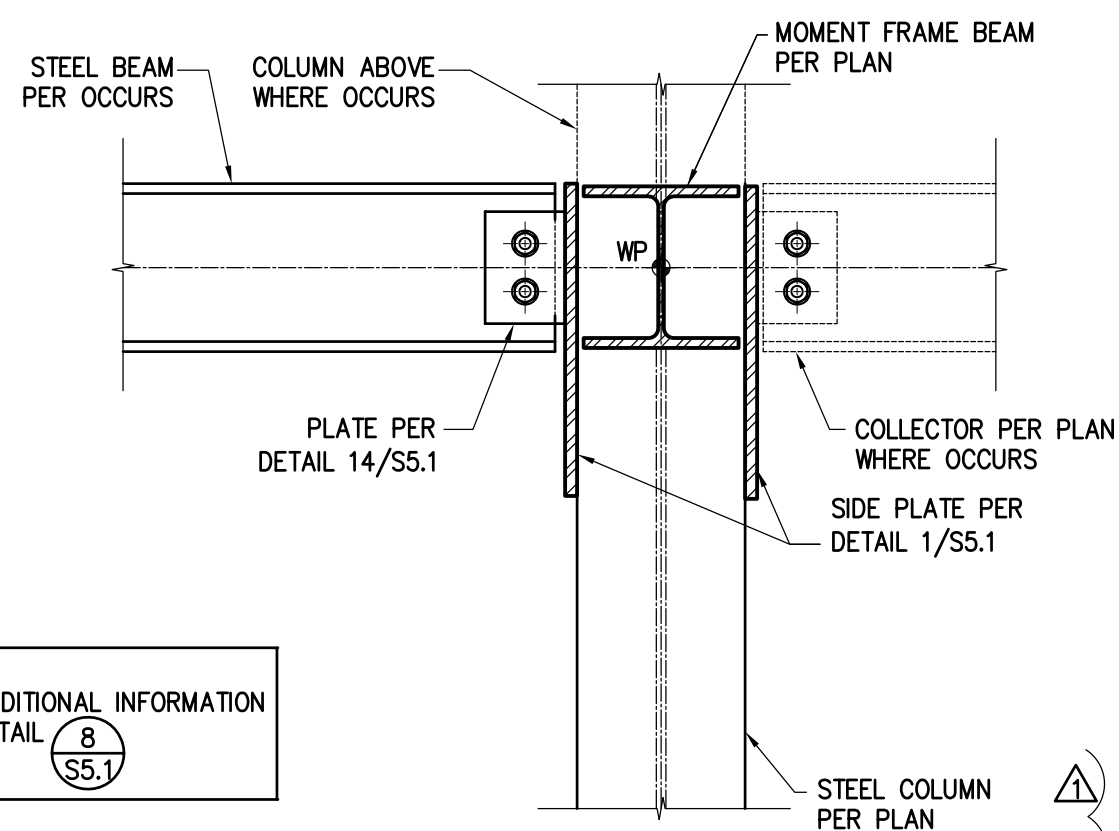
HSS COLUMN SPLICE

1"=1'-0" (12) S5.2

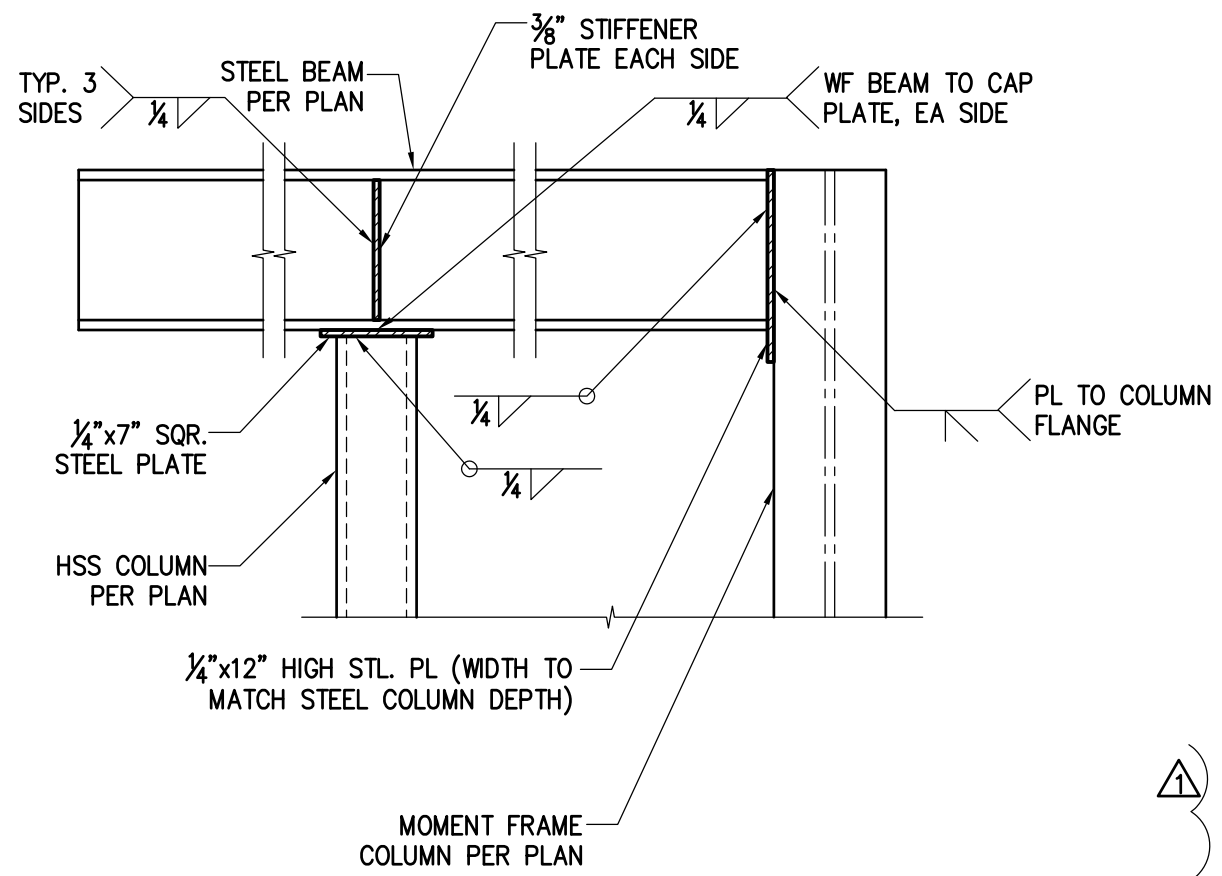


BRACE FRAME CONNECTION

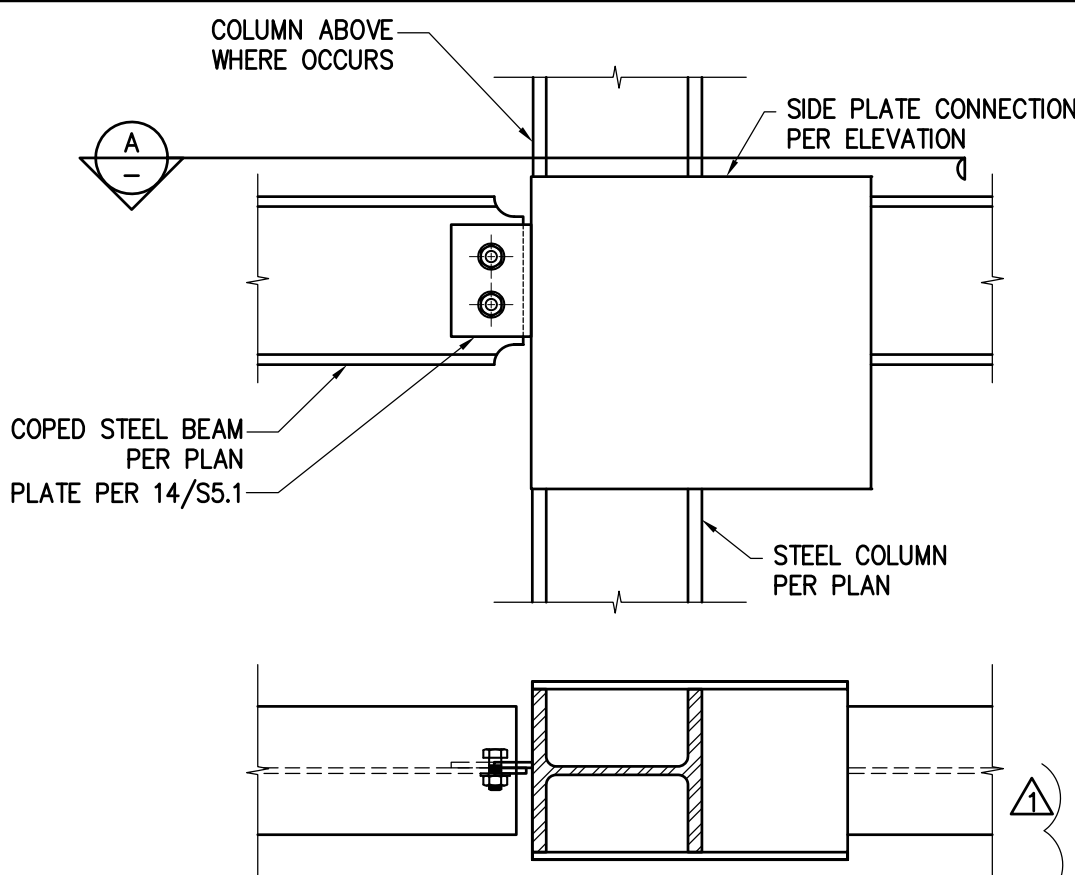
1"=1'-0" (4) S5.2



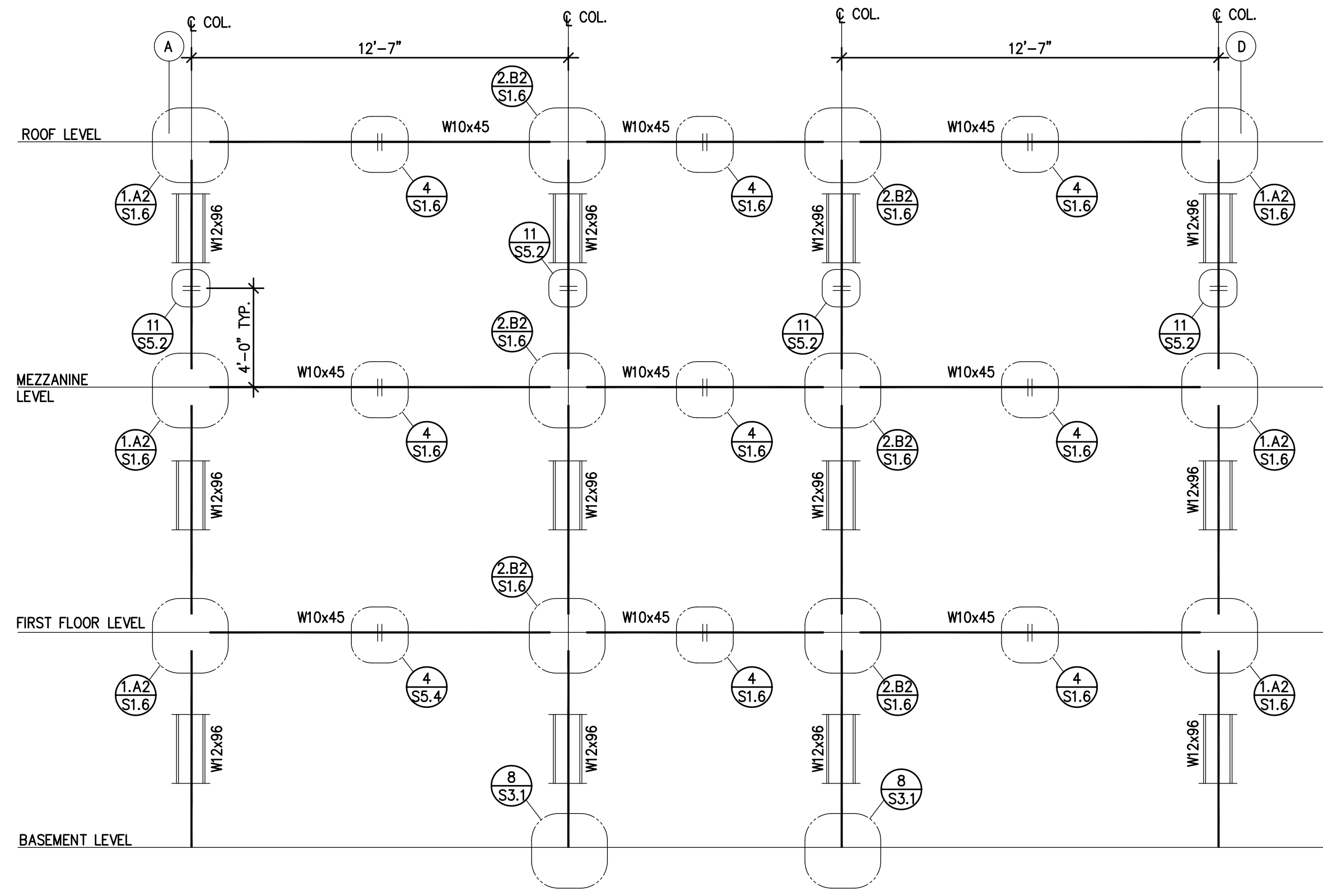
BRACE FRAME CONNECTION 13
S5.3 1"=1'-0"



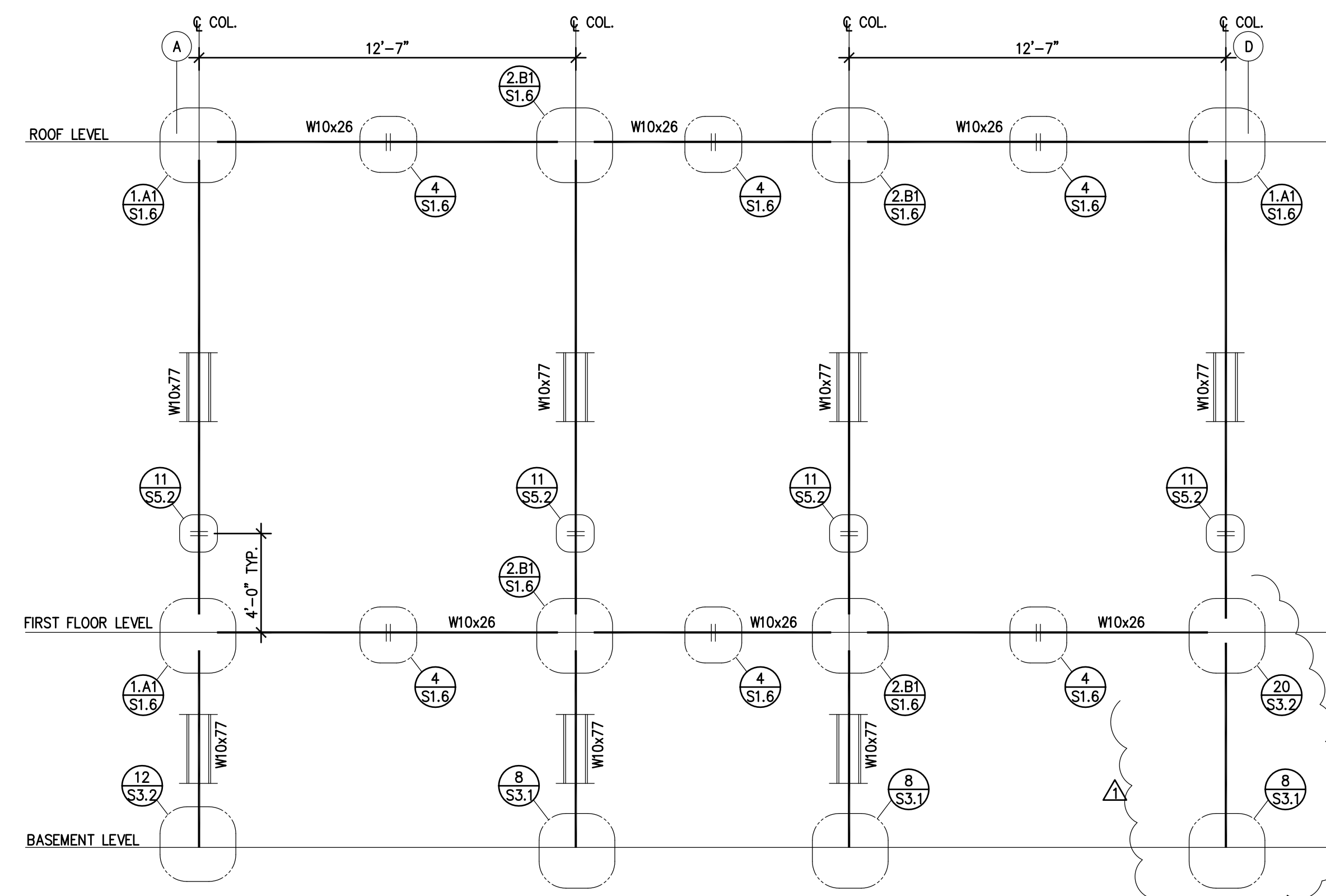
DETAIL @ PARAPET 14
S5.3 1"=1'-0"



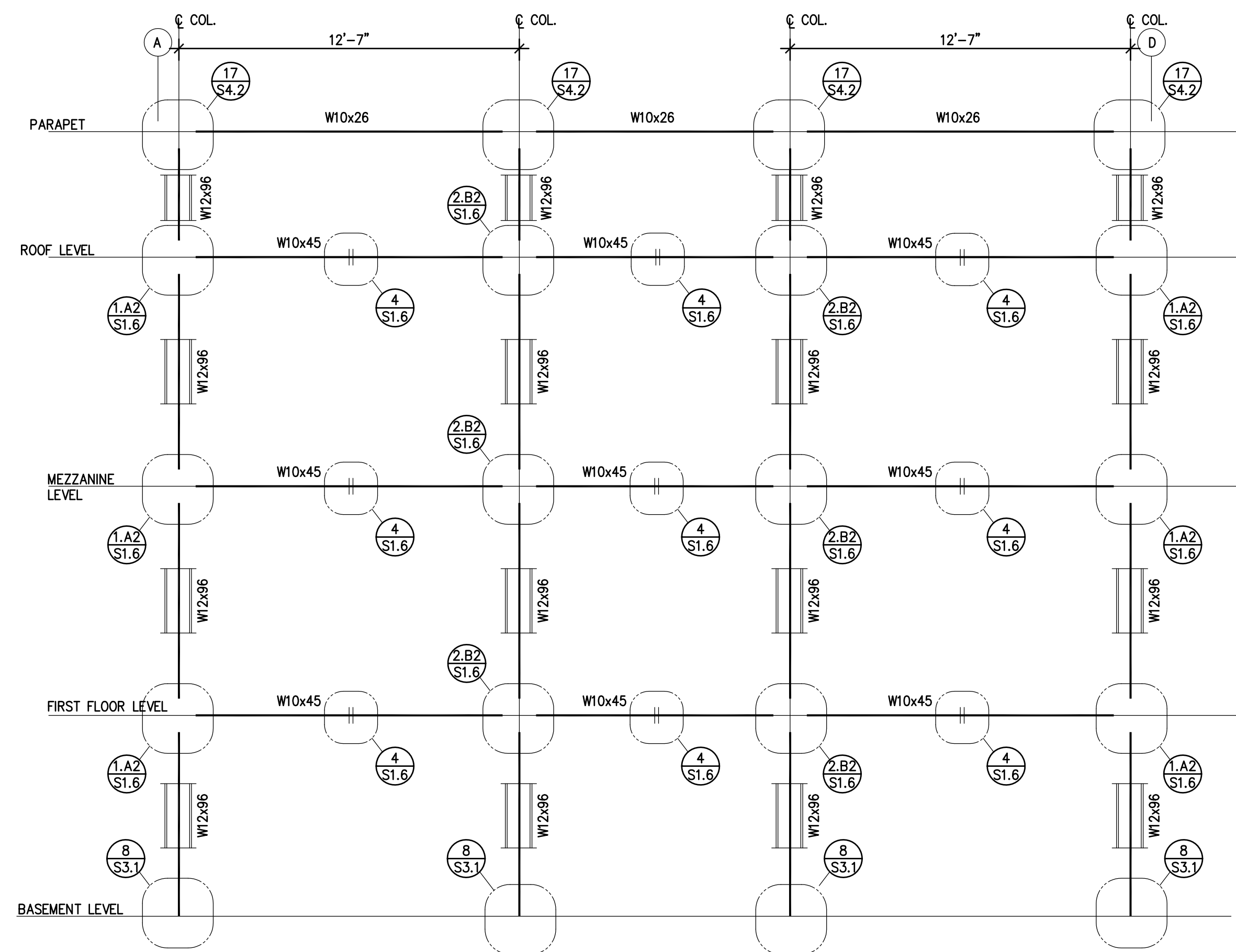
COLLECTOR BEAM TO MOMENT FRAME COLUMN CONNECTION 15
S5.3 1"=1'-0"



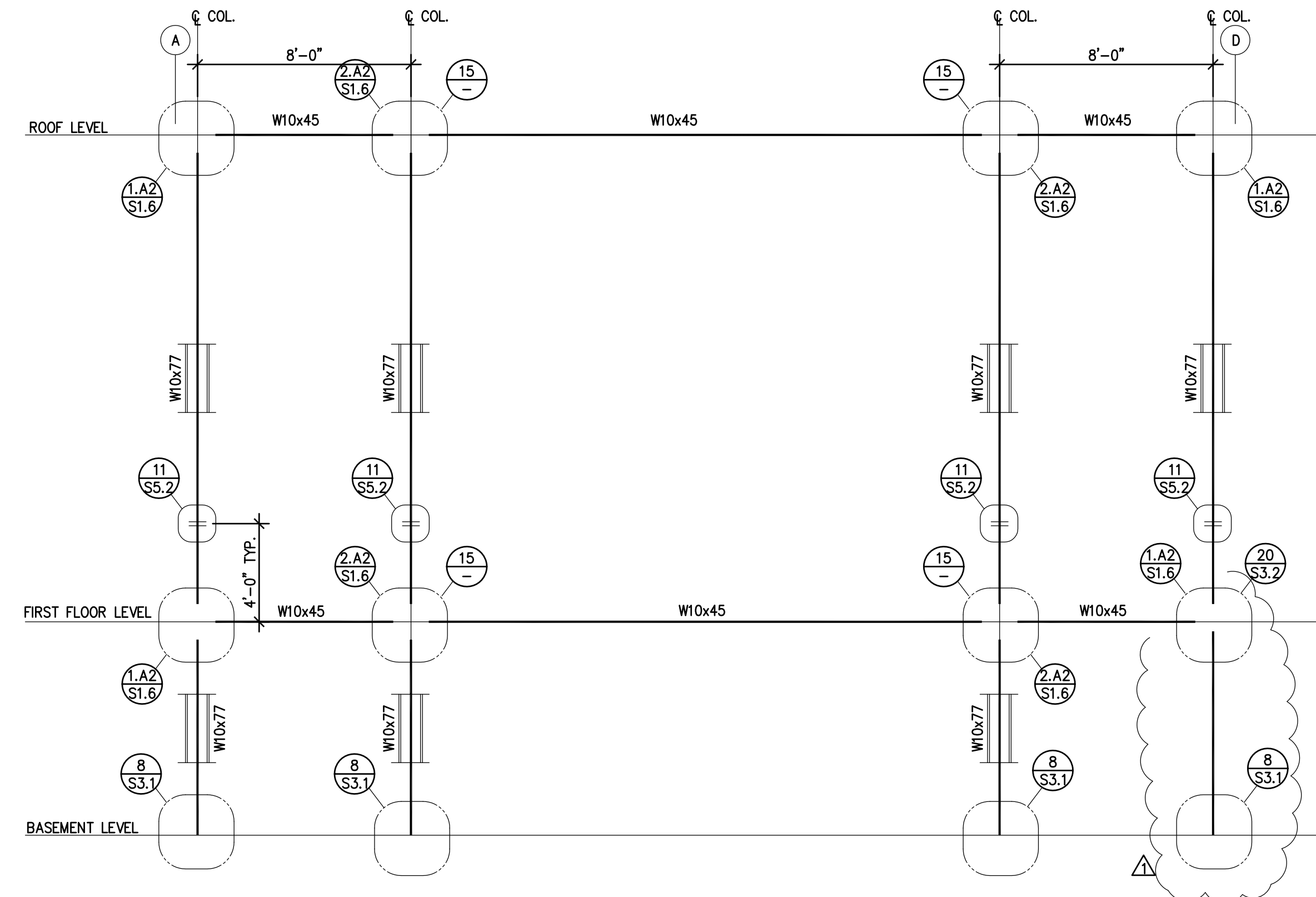
MOMENT FRAME ELEVATION LINE 10 10
S5.3 1/4"=1'-0"



MOMENT FRAME ELEVATION LINE 2 2
S5.3 1/4"=1'-0"



MOMENT FRAME ELEVATION LINE 12 12
S5.3 1/4"=1'-0"



MOMENT FRAME ELEVATION LINE 6 6
S5.3 1/4"=1'-0"