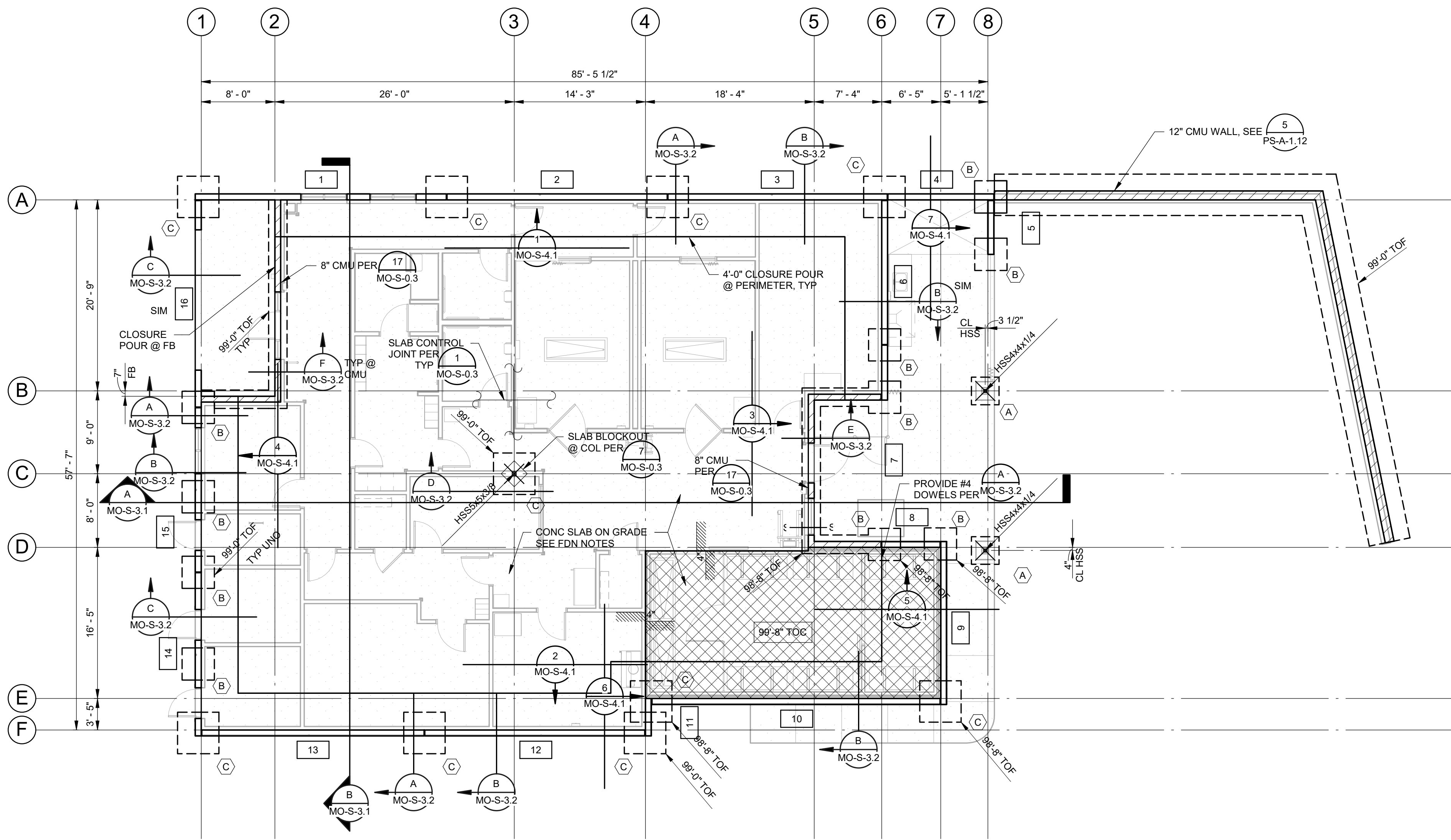


**ROOF FRAMING PLAN — 1/8" = 1'-0"**



**FOUNDATION PLAN — 1/8" = 1'-0"**

TOC = 100'-0" TYP UNO  
TOF = 99'-0" TYP UNO

**FOUNDATION PLAN NOTES:**

- SITE PREPARATION AND BUILDING PAD CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH SOILS REPORT # E1310.007 BY YOUNG & RUBICAM CONSULTING GROUP DATED AUGUST 18, 2016. BOTTOM OF FOOTING EXCAVATIONS SHALL BE REVIEWED BY GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF REINFORCING STEEL. FOUNDATIONS SHALL BEAR ON WEATHERED BEDROCK PER THE REQUIREMENTS OF THE SOILS REPORT.
- VERIFY ALL BUILDING DIMENSIONS AND ELEVATIONS W/ ARCH'L DRAWINGS. NOTIFY THE ARCHITECT IMMEDIATELY IF THERE ARE ANY CONFLICTS W/ DIMENSIONS SHOWN.
- DIMENSIONS SHOWN ARE TO CL OF COLUMN OR INSIDE FACE OF CONC WALL, UNO.
- SLAB ON GRADE SHALL BE 5" THICK CONCRETE W/ #4 @ 18" CC EW AT MID-DEPTH. CONCRETE SHALL BE INSTALLED OVER 4" CLEAN CRUSHED ROCK OVER 15 MIL VAPOR RETARDER. TOP OF CONCRETE SLAB IS +100'-0" UNO. DATUM ELEVATION = +1791.77
- CONTRACTOR SHALL SUBMIT AN EDGE OF SLAB PLAN TO ARCHITECT & STRUCTURAL ENGINEER FOR REVIEW. SUBMITTAL SHALL BE DIMENSIONED AND LOCATED RELATIVE TO STRUCTURAL GRIDS.
- PROVIDE 3" MIN. CONCRETE COVER AT STRUCTURAL STEEL AND ANCHOR BOLTS BELOW GRADE TYP.
- PROVIDE SLAB ON GRADE CONTROL JOINTS (SJ) AS INDICATED PER TYP @ ALL INTERIOR SLABS. CONSTRUCTION JOINTS (CJ) MAY REPLACE CONTROL JOINTS AS REQUIRED.
- SEE SHEETS MO-S-0.1 THRU MO-S-0.5 FOR GENERAL NOTES & TYPICAL DETAILS WHICH ARE APPLICABLE TO ALL DRAWINGS UNO.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE SLAB CONTROL JOINTS WITH ANY ARCHITECTURALLY EXPOSED SLAB AREAS OR THE LOCATION OF TILE CRACK CONTROL JOINTS. VERIFY SPECIAL CONDITION CONTROL JOINTS WITH ARCH'L DRAWINGS.
- CONTRACTOR TO COORDINATE EXACT DIMENSIONS AND LOCATIONS OF THICKENED SLABS, HOUSEKEEPING PADS, ETC. WITH ALL OTHER DISCIPLINES' DWG'S AS WELL AS WITH THE EQUIPMENT PROVIDED PRIOR TO COMMENCING WORK.
- SEE ARCH'L & CIVIL DRAWINGS FOR ALL EXTERIOR CURBS, FLATWORK, PLANTERS, RAMPS, ETC.
- CONTINUE ALL REINFORCING IN CONTINUOUS FOOTINGS THROUGH SPREAD FOOTINGS, TYP. UNO.
- INDICATES REFERENCE TO FOOTING SCHEDULE, SEE MO-S-2.1
- INDICATES THAT ADDITIONAL TOP REINFORCING AS NOTED IN SCHEDULE SHALL BE PLACED @ 2" CLR OF TOP OF FOOTING.
- INDICATES CONCRETE CURB. FOR CURBS BELOW NON-STRUCTURAL WALLS, SEE MO-S-0.3 MO-S-0.3. VERIFY EXACT EXTENT W/ ARCH'L DWGS.
- INDICATES SLOPED AND/OR DEPRESSIONED SLAB. DEPRESS BUILDING PAD AND PROVIDE FULL SLAB AND BASE THICKNESS. WHERE DEPRESSION IS GREATER THAN 2" AND ADJACENT TO BUILDING FOUNDATION ELEMENT IT MAY BE NECESSARY TO STEP FOOTING IN ORDER TO MAINTAIN MINIMUM FOOTING EMBEDMENT PER SECTIONS. CONTRACTOR TO COORDINATE IN FIELD. SEE ALSO MO-S-0.3
- ALL DEPRESSIONS, SLOPES, CURBS, ETC. ARE SHOWN FOR REFERENCE ONLY. FOR EXACT DEPTHS, SLOPES, EXTENTS, ETC. SEE OTHER DISCIPLINES' DRAWINGS.
- TEMPORARY LOADS APPLIED DURING CONSTRUCTION HAVE NOT BEEN CONSIDERED IN SLAB ON GRADE DESIGN.
- INDICATES TOP OF FOOTING ELEVATION WITH RESPECT TO REFERENCE TOP OF CONCRETE (+100'-0") THE BOTTOM OF ALL FOOTINGS SHALL BE AT LEAST 18" BELOW ADJACENT MINIMUM PREPARED BUILDING PAD ELEVATION (ON ALL SIDES), TYP UNO AND AS SHOWN ON SECTIONS.
- INDICATES SLAB STEP PER MO-S-0.3
- INDICATES FOOTING STEP PER MO-S-0.3 STEP LOCATIONS ARE DIAGRAMMATIC ONLY. CONTRACTOR TO COORDINATE IN FIELD. INTENT IS THAT NO TOP OF FTG IS WITHIN 12" OF EXTERIOR FINISH GRADE.
- INDICATES TOP OF CONCRETE SLAB ELEVATION RELATIVE TO REFERENCE T.O. CONCRETE +100'-0".
- INDICATES HSS COLUMN & SIZE. FOR BASE PLATE, SEE MO-S-0.1 TYP UNO.
- INDICATES CONCRETE TILT-UP WALL PANEL, TYP UNO. SEE ELEVATIONS FOR ADD'L INFO.
- INDICATES 8" CMU WALL. FOR REINFORCING, SEE MO-S-0.3 CONDUITS IN CMU TO BE PER CMU NOTES.
- INDICATES 12" CMU WALL.
- INDICATES WALL CONTROL JOINT PER MO-S-0.3
- FOUNDATIONS ARE DESIGNED BASED ON BEARING PRESSURE FOR WEATHERED BEDROCK. COORDINATE WITH GEOTECHNICAL ENGINEER IN FIELD FOR APPLICABILITY OF THESE PARAMETERS. NOTIFY SEOR IF DIFFERENT.

**ROOF FRAMING PLAN NOTES:**

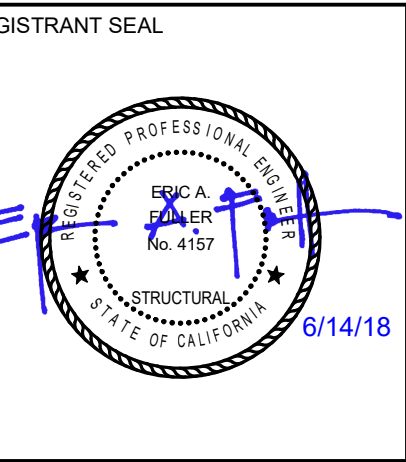
- VERIFY ALL BUILDING DIMENSIONS AND ELEVATIONS W/ ARCH'L DRAWINGS. NOTIFY THE ARCHITECT IMMEDIATELY IF THERE ARE ANY CONFLICTS W/ DIMENSIONS SHOWN.
- DIMENSIONS SHOWN ARE TO CL OF COLUMN OR FACE OF CONC WALL, UNO.
- SEE SHEETS MO-S-0.1 THRU MO-S-0.5 FOR GENERAL NOTES & TYPICAL DETAILS WHICH ARE APPLICABLE TO ALL DRAWINGS UNO.
- INDICATES ROOF OPENING. LOCATE OPENING PER AMEP DRAWINGS. FOR SUPPORT, SEE MO-S-0.2
- SEE SHEET MO-S-0.2 FOR TYPICAL METAL DECK DETAILS.
- INDICATES ELEVATION OF TOP OF STEEL FRAMING AND BOTTOM OF METAL DECK.
- INDICATES ELEVATION OF TOP OF WALL.
- INDICATES BARE METAL DECK. ORIENTATION AS SHOWN ON PLAN. PROVIDE DECK FASTENING TO ALL BEAMS PER MO-S-0.2 MO-S-0.2
- METAL DECK SHALL BE 1 1/2"x18GA 18' GALV METAL DECK.
- W14x22 INDICATES BEAM SIZE AND UPWARD CAMBER (WHERE NO CAMBER IS SPECIFIED, FABRICATE WITH NATURAL MILL CAMBER UP).
- W10 DENOTES W10x15 TYP. UNO.  
W12 DENOTES W12x16 TYP. UNO.  
W14 DENOTES W14x22 TYP. UNO.  
C12 DENOTES C12x20.7 TYP. UNO.  
L4 DENOTES L4x4x1/4 TYP. UNO.
- ALL BEAMS SHALL BE EQUALLY SPACED BETWEEN DIMENSIONED COLUMNS, GRIDS, OR BEAMS WHERE OCCURS, TYP UNO.
- FOR TYPICAL BEAM TO BEAM CONNECTION, SEE MO-S-0.1 OR MO-S-0.1 UNO.
- FOR TYPICAL BEAM TO COLUMN CONNECTION, SEE MO-S-0.1
- INDICATES SINGLE ROW 'SLIP-CRITICAL' BOLTED CONNECTION PER MO-S-0.1
- INDICATES HSS COLUMN BELOW (UNO). SIZE INDICATED @ BASE LEVEL OF COLUMN ONLY.
- INDICATES PIPE COLUMN. SIZE INDICATED @ PLAN.
- CONTRACTOR TO COORDINATE EXACT LOCATION OF FRAMING MEMBERS SUPPORTING MECHANICAL UNITS & SIMILAR ITEMS NOT DIMENSIONED ON PLAN.
- INDICATES MECHANICAL UNIT. ALL BLOCKING BEAMS SHALL BE W10x12 UNO AND SHALL BE LOCATED DIRECTLY BELOW UNIT EDGES AND/OR CURBS. SEE MECHANICAL UNIT SCHEDULE FOR WEIGHTS AND ATTACHMENT OF UNIT/CURBS TO STRUCTURE.
- ALL VISUALLY EXPOSED STEEL SHALL MEET 'ARCHITECTURALLY EXPOSED STRUCTURAL STEEL' REQUIREMENTS. SEE ARCH'L DWGS AND SPECS.
- INDICATES SOLID GROUTED CONC MASONRY WALL. SEE FOUNDATION PLAN FOR ADD'L INFO.
- INDICATES CONCRETE WALL. SEE FOUNDATION PLAN FOR ADD'L INFO.
- INDICATES SOLID GROUTED CONC MASONRY WALL BELOW.
- INDICATE SOLID GROUTED CONC MASONRY WALL BELOW. SEE FOUNDATION PLAN FOR ADD'L INFO.
- SEE ARCH'L DWGS FOR LOCATION OF ALL SLAB EDGES AT ROOF PERIMETER AND AROUND OPENINGS. WHERE NOT SHOWN OR INDICATED OTHERWISE ON STRUCTURAL OR ARCH'L DWGS, BEAMS ADJACENT TO SLAB EDGES SHALL BE 6" FROM CL OF BEAM TO EDGE OF SLAB.
- CONTRACTOR SHALL SUBMIT AN EDGE OF SLAB PLAN TO ARCHITECT & STRUCTURAL ENGINEER FOR REVIEW. SUBMITTAL SHALL BE DIMENSIONED AND LOCATED RELATIVE TO STRUCTURAL GRIDS.
- VERIFY ALL ROOF OPENINGS, LOCATIONS & DIMENSIONS WITH ARCH'L DWGS PRIOR TO FABRICATION AND DETAILING. ALL ROOF OPENINGS SHALL BE REINFORCED AS SHOWN ON TYPICAL METAL DECK SHEET MO-S-0.2. ADD'L W/ FLKG MAY BE REQ'D @ ROOF OPENINGS AS SHOWN ON PLAN OR WHERE OPENINGS EXCEED PROVISIONS OF TYPICAL DETAILS.

MO-S-2.1 FOOTING SCHEDULE				
Mk	WIDTH	LENGTH	DEPTH	REINFORCING
A	3'-0"	3'-0"	1'-6"	(4) #5 EW BOTT
B	3'-6"	3'-6"	1'-6"	(5) #5 EW BOTT
C	4'-6"	4'-6"	1'-6"	(6) #5 EW BOTT

NOTES:



Arrington Watkins Architects  
2024 Opportunity Drive, Suite 150  
Roseville, California 95678  
Telephone: (916) 538-7707  
Fax: (888) 510-3055



**EL DORADO PUBLIC SAFETY FACILITY**  
**MORGUE**  
200 INDUSTRIAL DRIVE  
DIAMOND SPRINGS, CA 95619



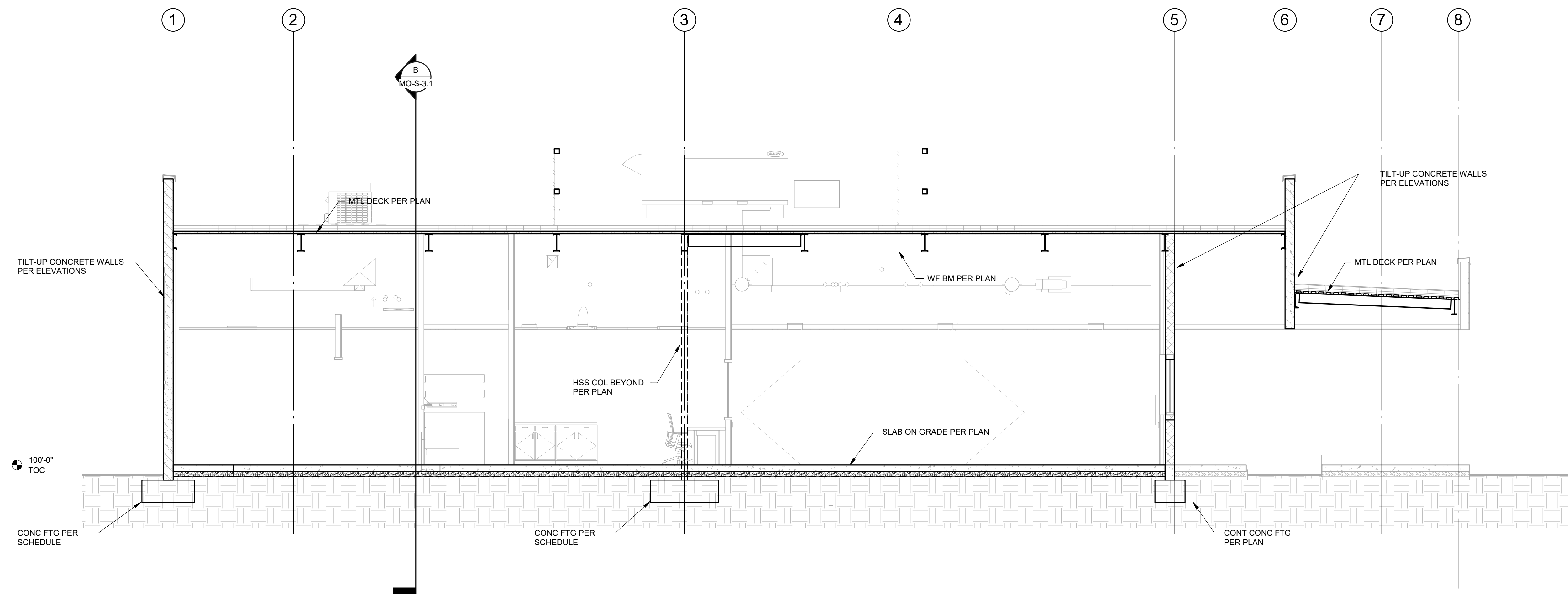
NO.	REVISION	DATE

PROJECT NO.: 2017.033  
DATE: 06-18-2018  
DESIGNED BY: RJM  
DRAWN BY: PVB  
APPROVED BY: \_\_\_\_\_  
SHEET TITLE:  
FOUNDATION AND ROOF FRAMING PLAN

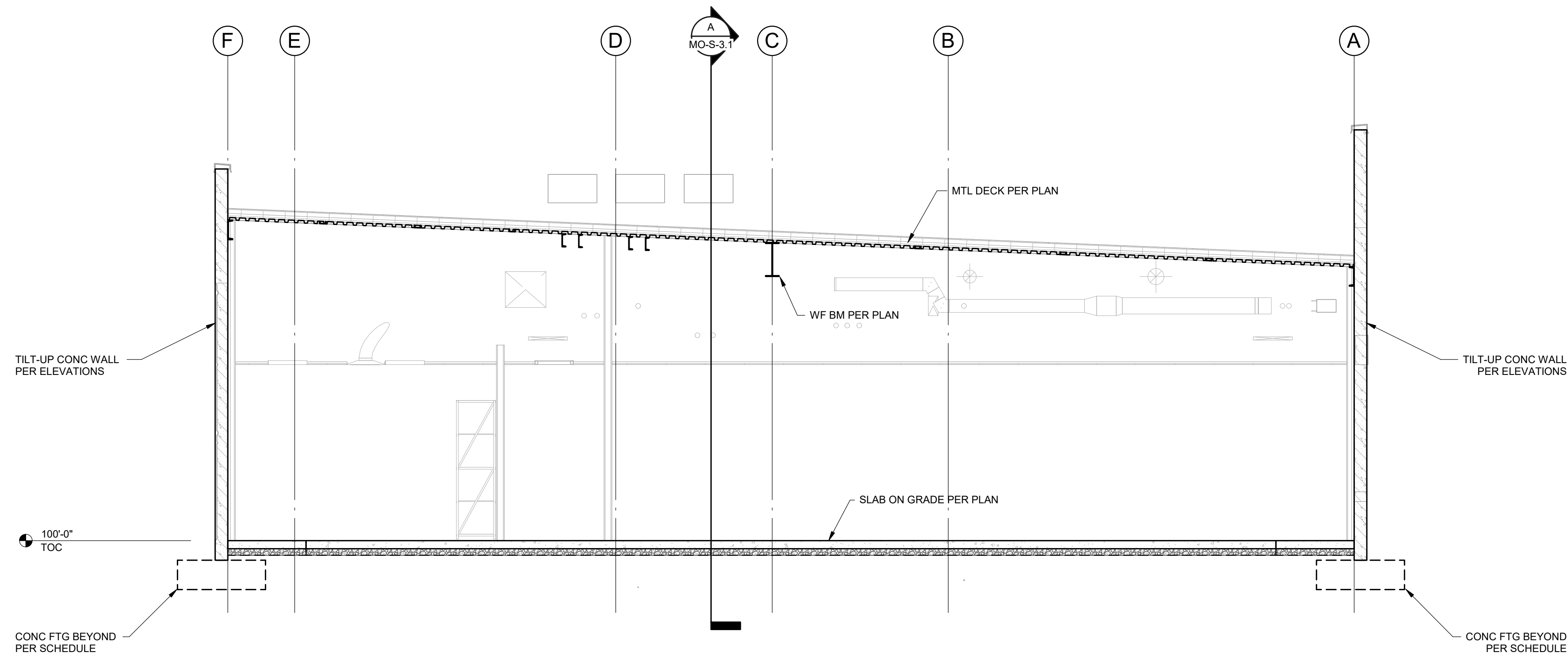


Buehler & Buehler  
Structural Engineers, Inc.  
800 O Street, Suite 200, Sacramento, CA 95811  
tel 916.443.3253 fax 916.443.2133  
Sacramento Phoenix San Francisco  
Los Angeles Silicon Valley

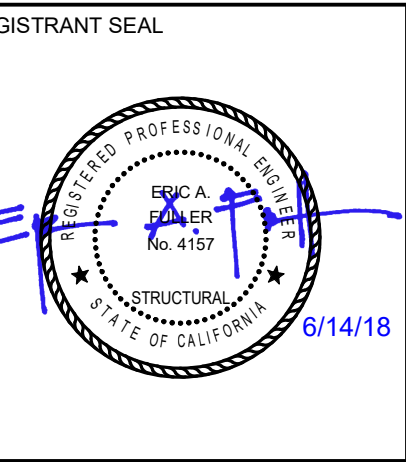
SHEET NUMBER:  
**MO-S-2.1**



SECTION **A** MO-S-3.1 — 1/4" = 1'-0"



SECTION **B** MO-S-3.1 — 1/4" = 1'-0"



**EL DORADO PUBLIC SAFETY FACILITY**  
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**200 INDUSTRIAL DRIVE**  
**DIAMOND SPRINGS, CA 95619**



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 SHEET TITLE:  
 BUILDING SECTIONS



**Buchler & Buehler**  
 Structural Engineers, Inc.  
 600 O Street, Suite 200, Sacramento, CA 95811  
 916.443.3253 Fax 916.443.2113  
 Sacramento Phoenix San Francisco  
 Los Angeles Silicon Valley

SHEET NUMBER:  
**MO-S-3.1**



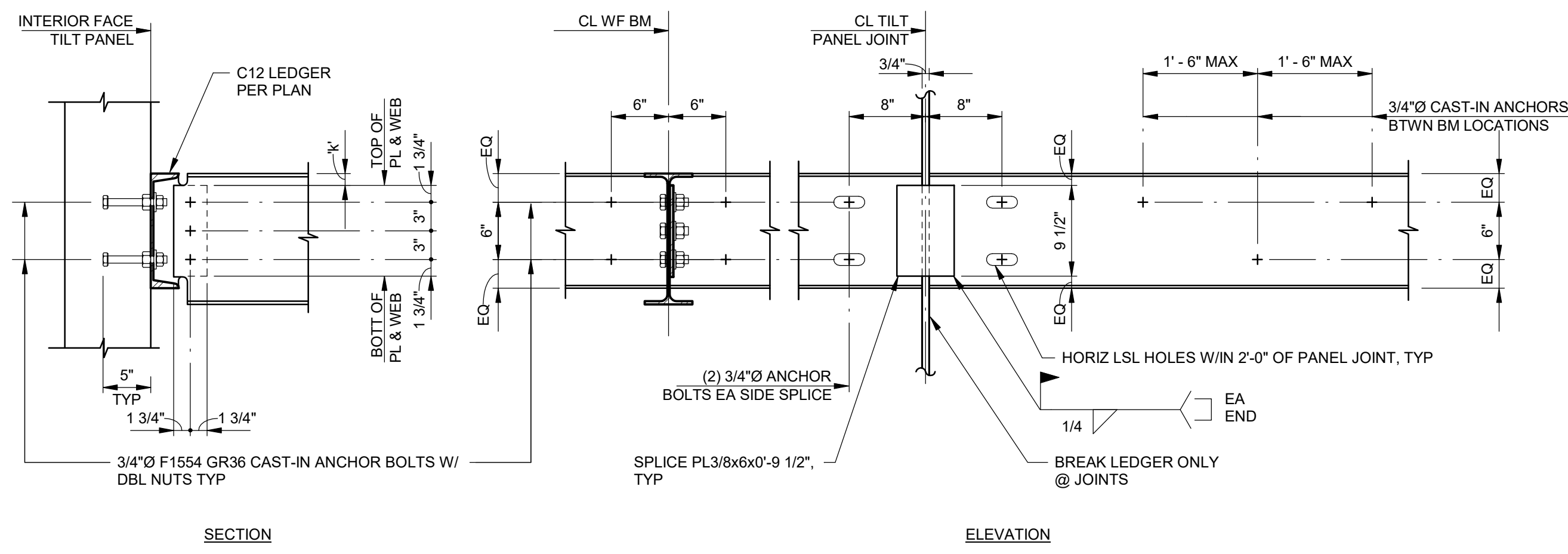






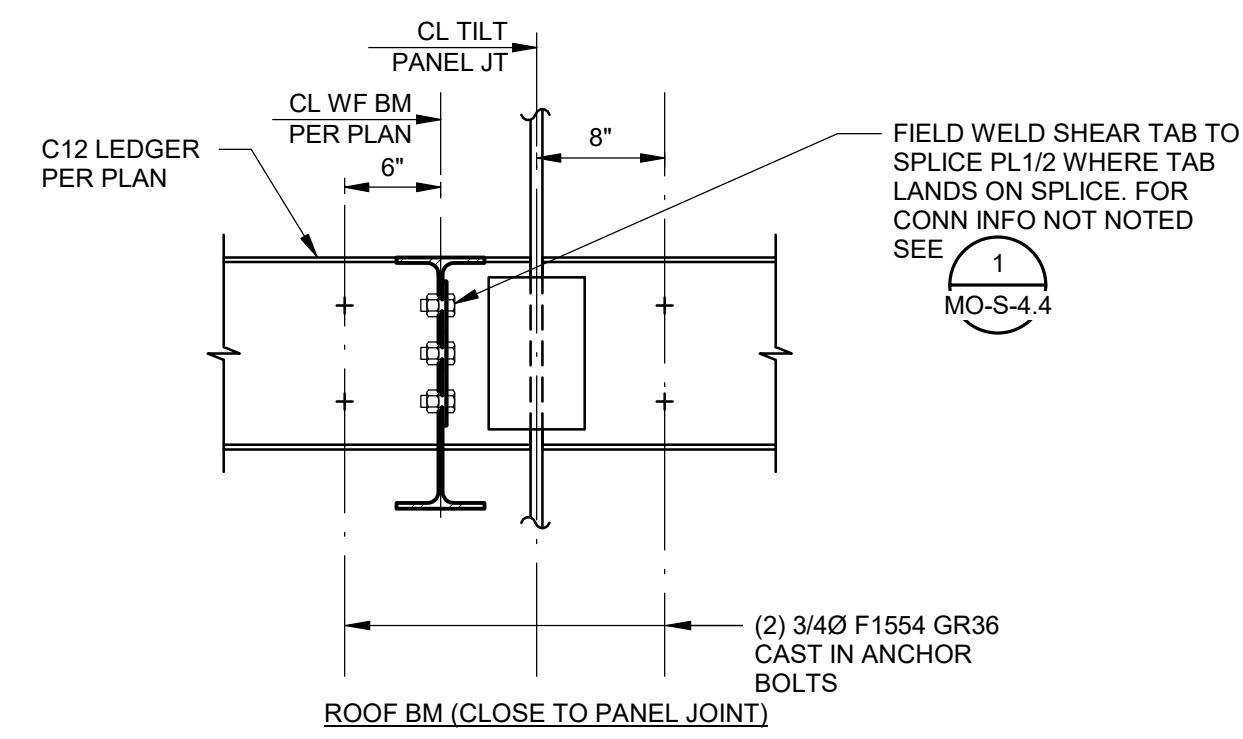




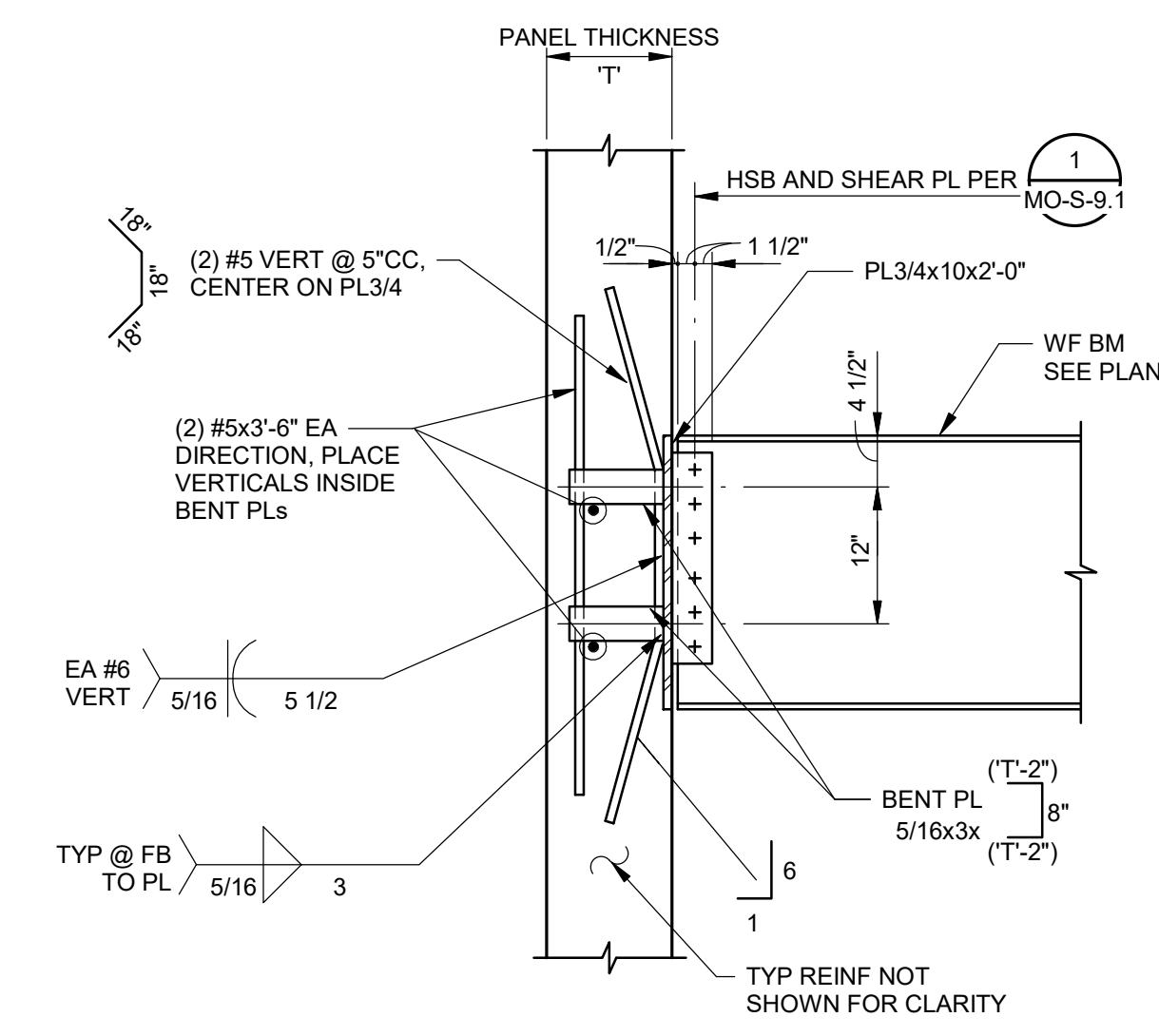


- NOTES:**
- LEDGERS SHALL BE CONTINUOUS BETWEEN PANEL JOINTS WITH SPLICE PLATE AS SHOWN ABOVE.
  - USE LEDGERS AS TEMPLATES TO SET ANCHOR BOLTS IN TILT PANELS
  - FOR CONNECTION INFORMATION NOT NOTED, SEE MO-S-9.1
  - FOR CONNECTION OCCURRING CLOSE TO PANEL JOINT, SEE MO-S-4.4

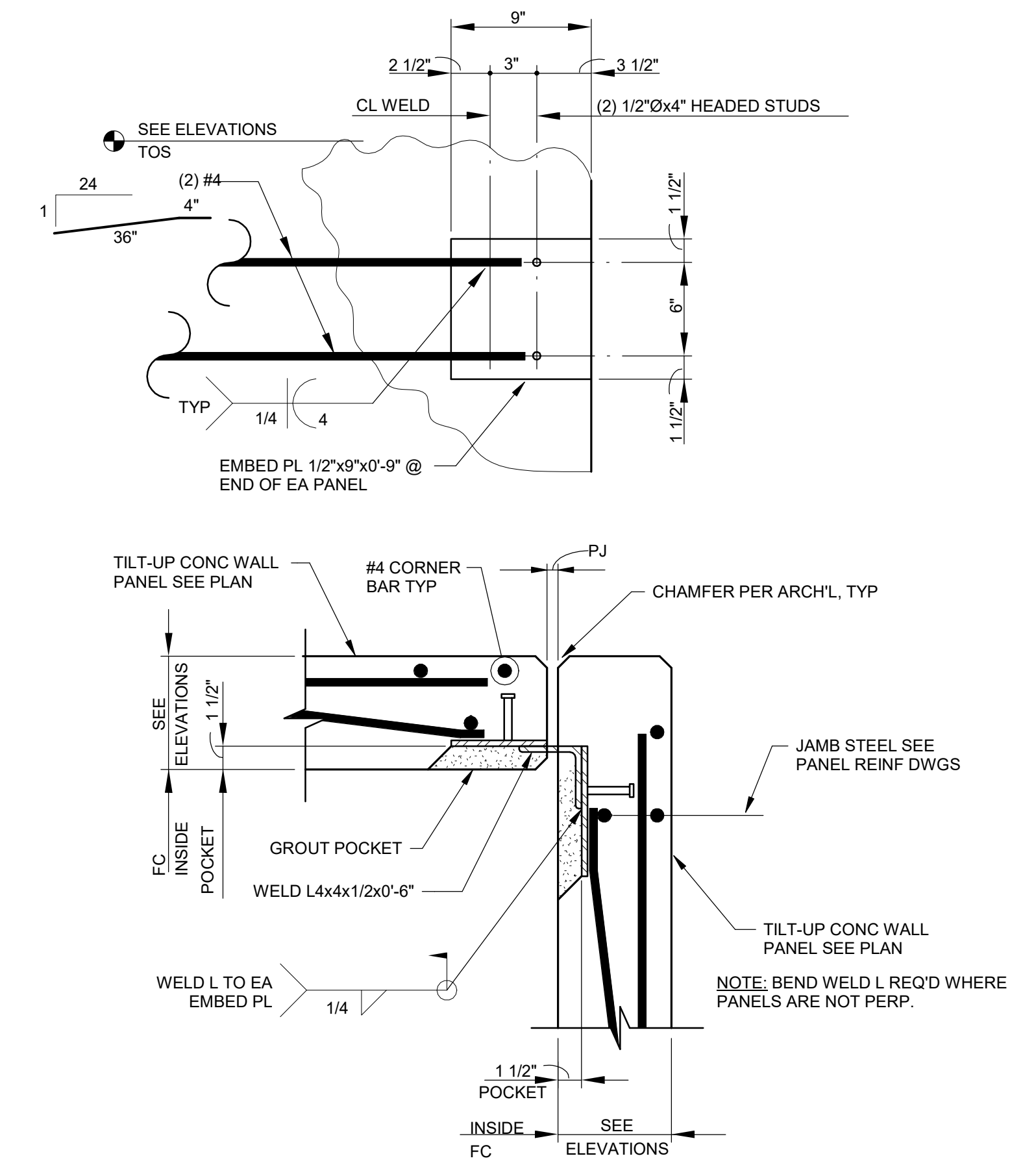
**LEDGER @ ROOF** **MO-S-4.4** - 1" = 1'-0"



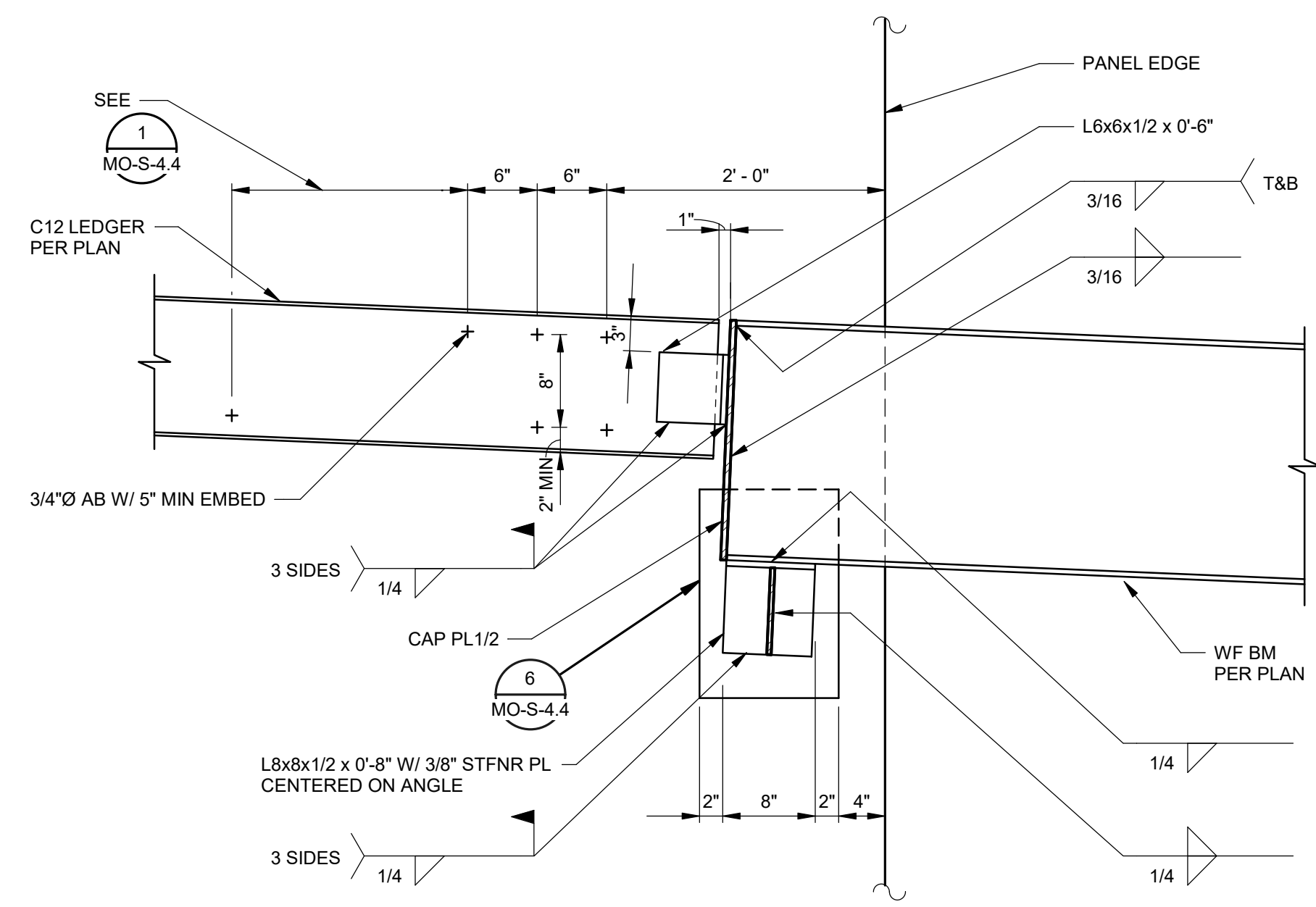
**DETAIL 2** **MO-S-4.4** - 1" = 1'-0"



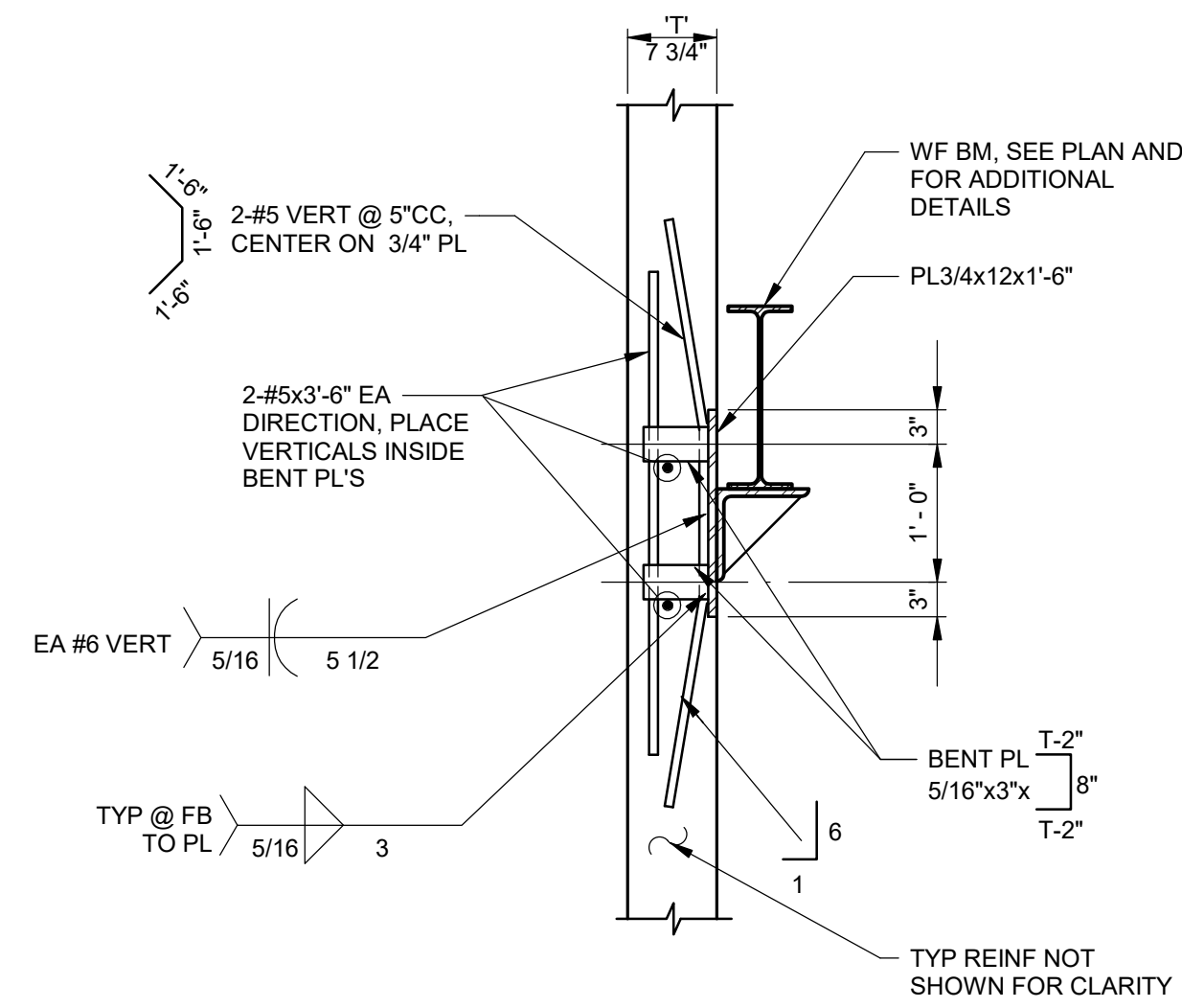
**DETAIL 3** **MO-S-4.4**



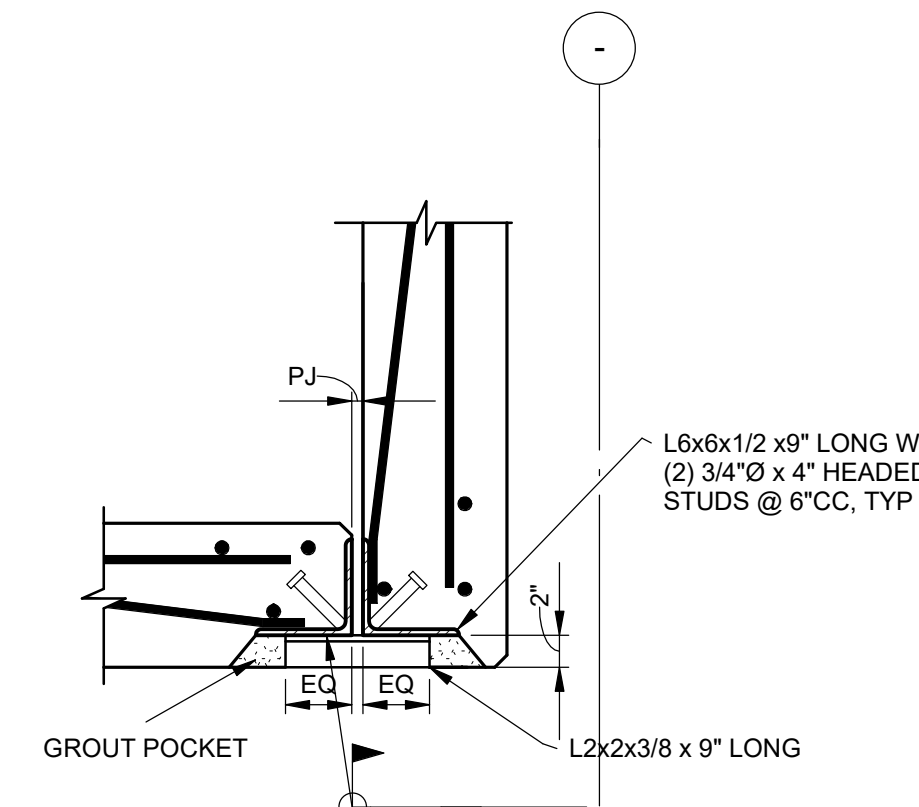
**DETAIL 4** **MO-S-4.4** - 1 1/2" = 1'-0"



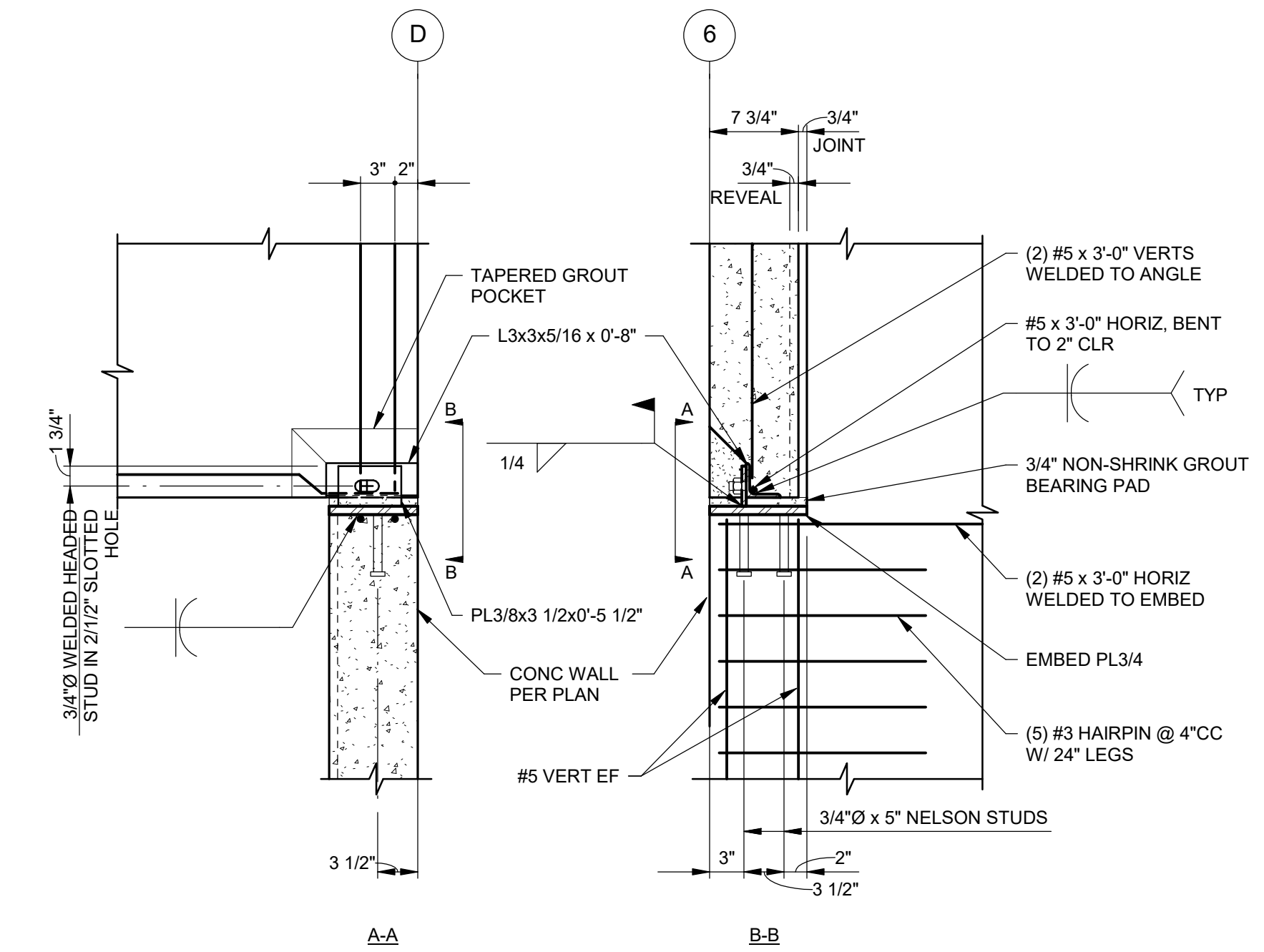
**DETAIL 5** **MO-S-4.4** - 1" = 1'-0"



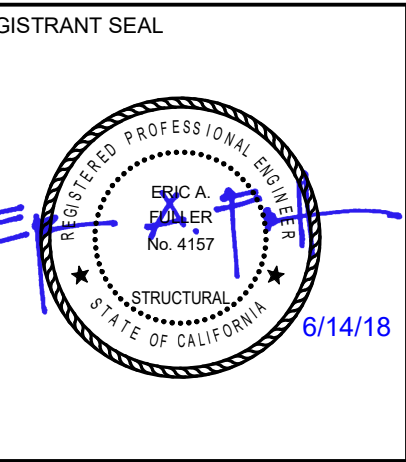
**DETAIL 6** **MO-S-4.4**



**DETAIL 7** **MO-S-4.4** - 1" = 1'-0"



**DETAIL 8** **MO-S-4.4** - 1" = 1'-0"



NO.	REVISION	DATE

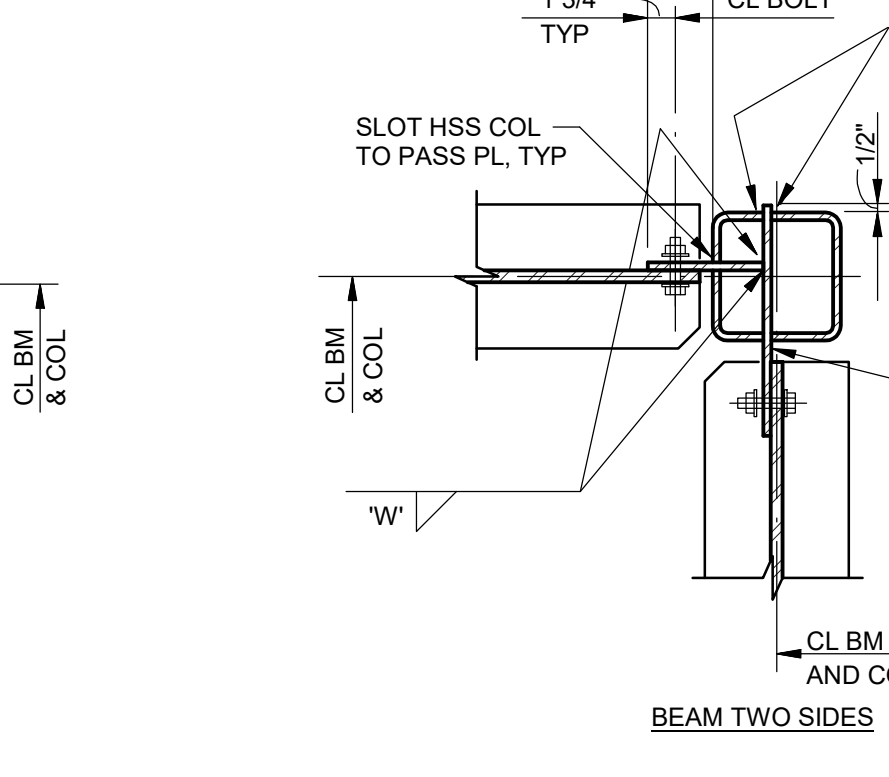
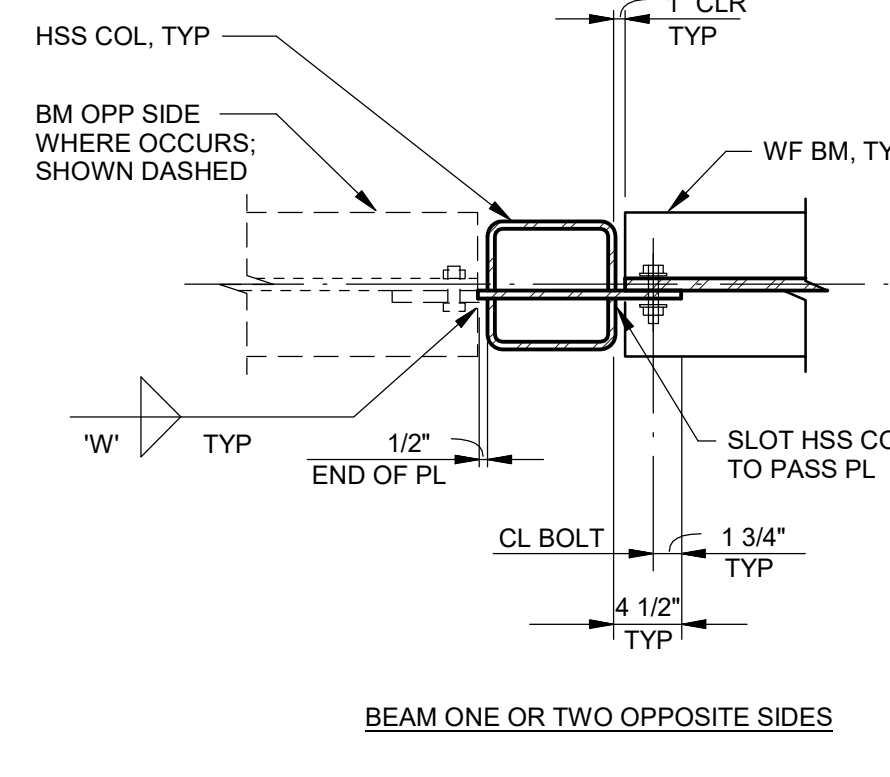
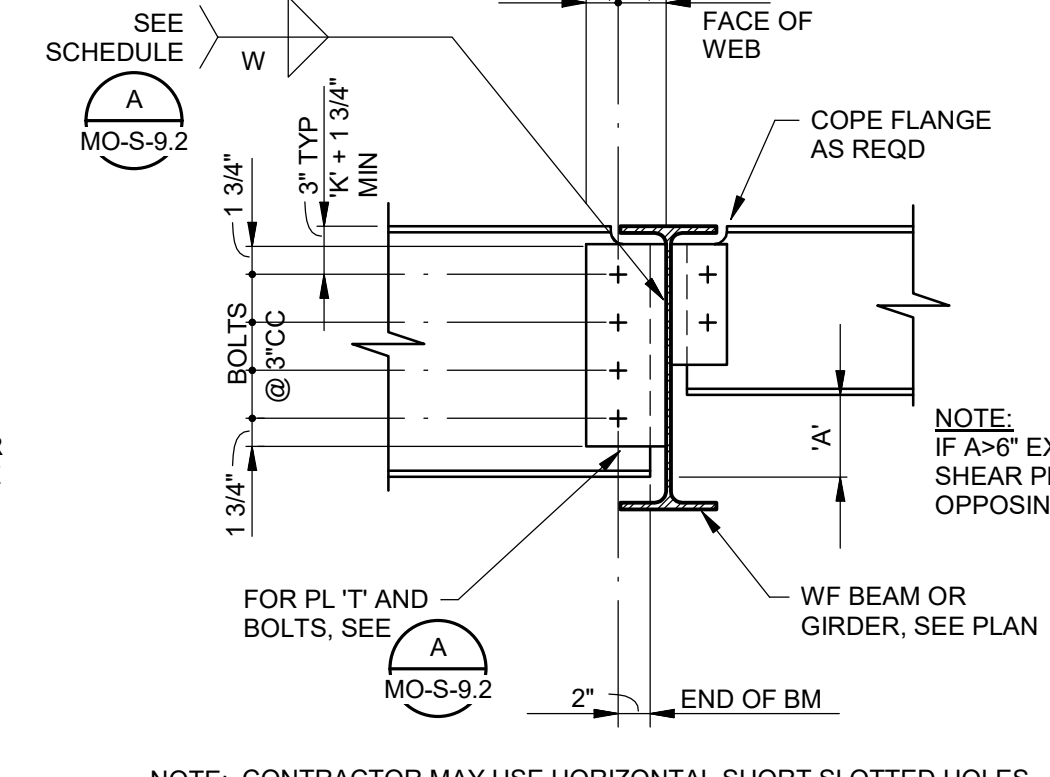
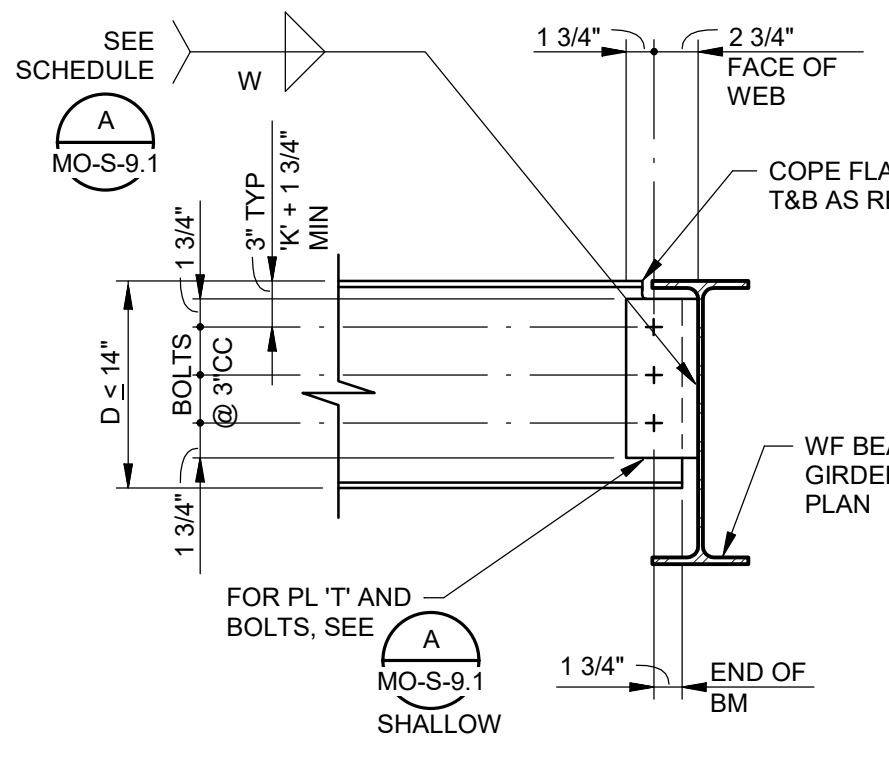
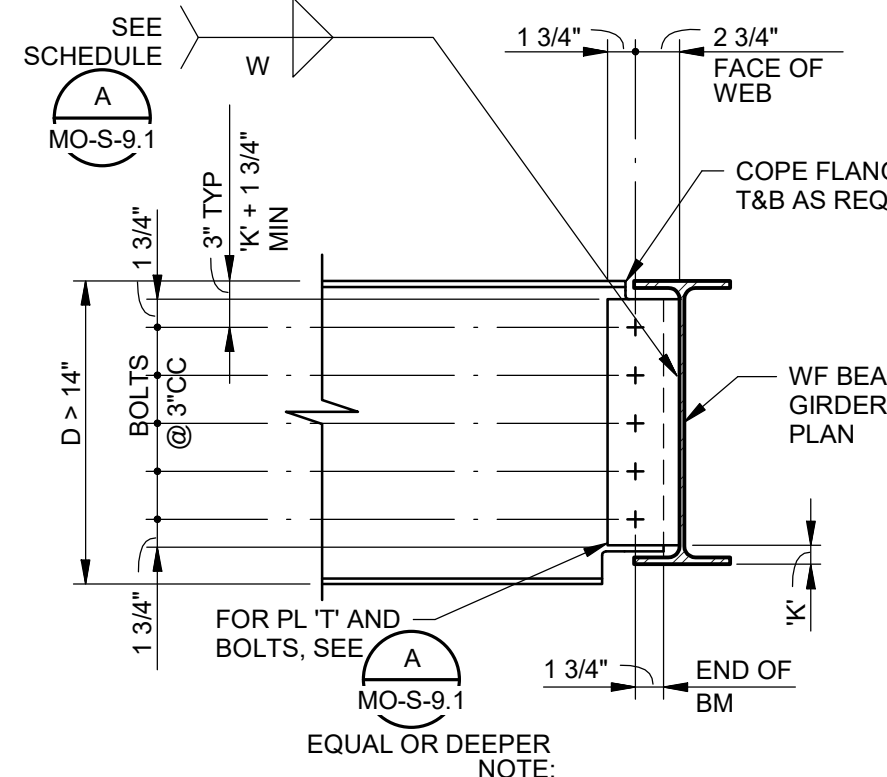
PROJECT NO.: 2017.033  
DATE: 06-18-2018  
DESIGNED BY: Designer  
DRAWN BY: Author  
APPROVED BY: \_\_\_\_\_  
SHEET TITLE: DETAILS  
SHEET NUMBER: **MO-S-4.4**



**MO-S-9.1 CONNECTION SCHEDULE**

BEAM SIZE	NO. & DIA. A325-N BOLTS	SHR PL 'T'	W
C8 & C10	2 - 7/8"Ø	1/4"	3/16"
W8 & W10	2 - 7/8"Ø	1/4"	3/16"
W12, W14, I12	3 - 7/8"Ø	1/4"	3/16"
W16	4 - 7/8"Ø	3/8"	5/16"
W18	5 - 7/8"Ø	3/8"	5/16"
W21	5 - 1"Ø	1/2"	3/8"
W24	6 - 1"Ø	1/2"	3/8"
W27	7 - 1"Ø	1/2"	3/8"
W30	8 - 1"Ø	1/2"	3/8"
W33	9 - 1"Ø <sup>2</sup>	1/2"	3/8"
W36	10 - 1"Ø <sup>2</sup>	1/2"	3/8"
W40	11 - 1"Ø <sup>2</sup>	1/2"	7/16"

1. THIS SCHEDULE APPLIES TO NON-FRAME CONNECTIONS, TYPICAL.  
2. SHEAR E WITH HORIZONTAL SHORT-SLOTTED HOLES.



CONTRACTOR MAY USE HORIZONTAL SHORT SLOTTED HOLES FOR THESE CONNECTIONS ONLY. THE SHORT SLOTTED HOLES SHALL BE IN THE SHEAR PL WITH HARDENED WASHERS PROVIDED OVER THE SLOTS. TYPE 'N' BEARING CONNECTIONS SHALL BE USED UNLESS NOTED OTHERWISE.

CONTRACTOR MAY USE HORIZONTAL SHORT SLOTTED HOLES FOR THESE CONNECTIONS ONLY. THE SHORT SLOTTED HOLES SHALL BE IN THE SHEAR PL WITH HARDENED WASHERS PROVIDED OVER THE SLOTS. TYPE 'N' BEARING CONNECTIONS SHALL BE USED UNLESS NOTED OTHERWISE.

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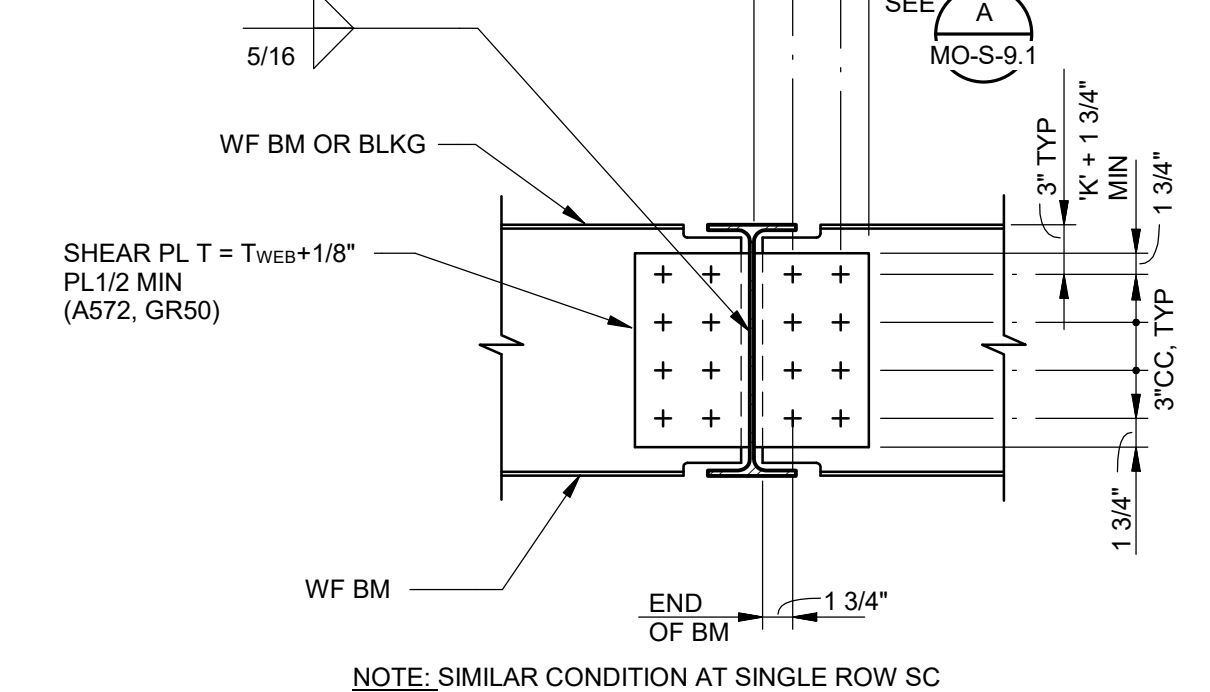
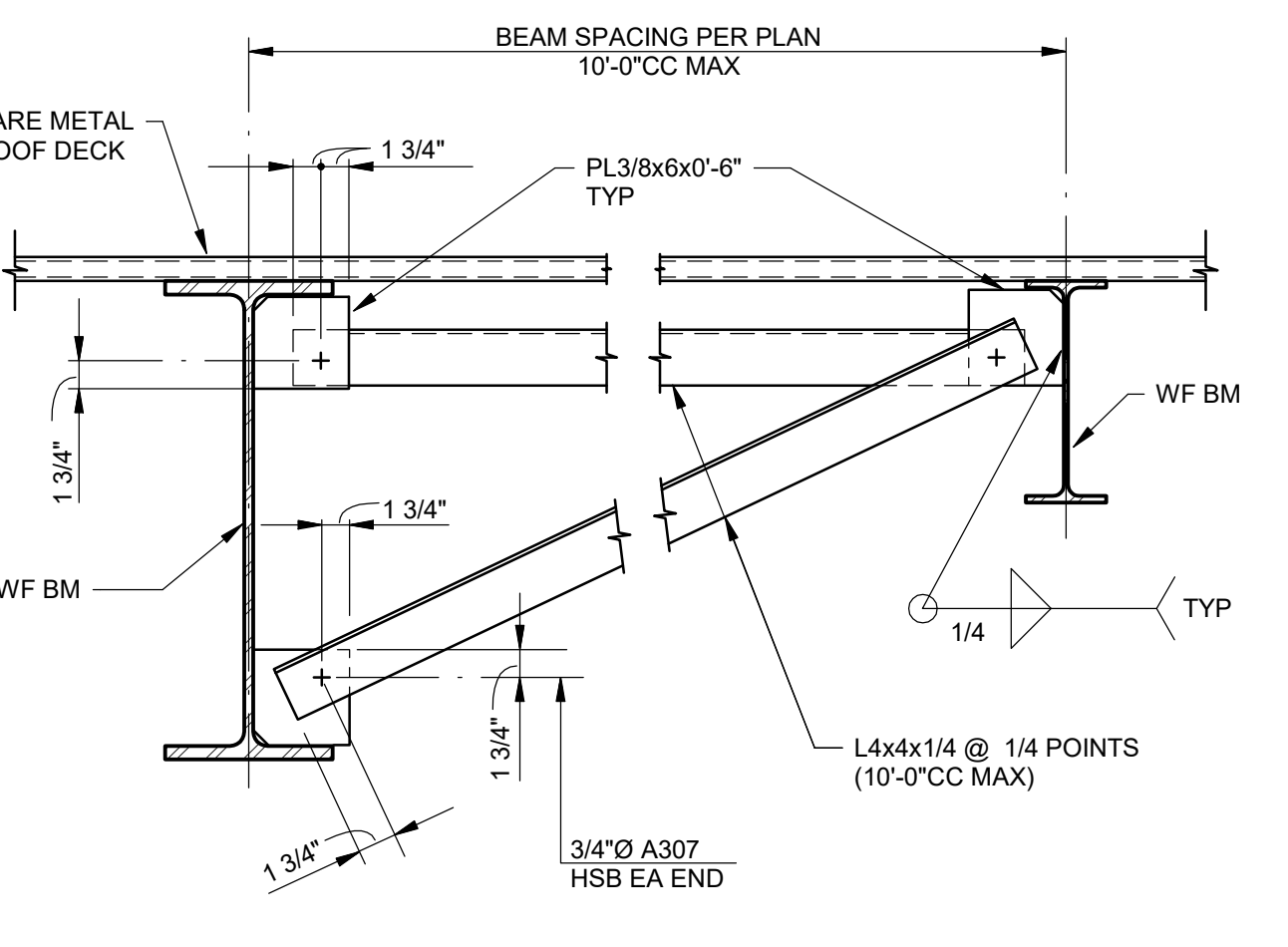
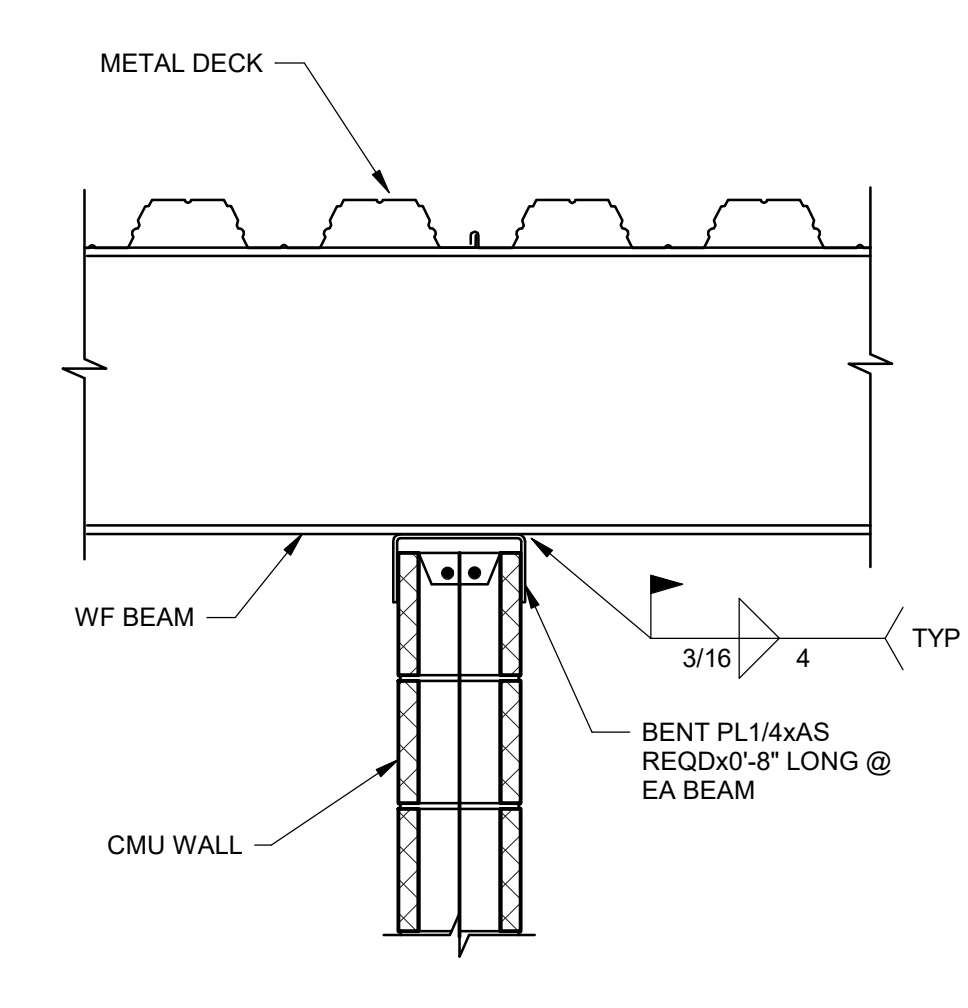
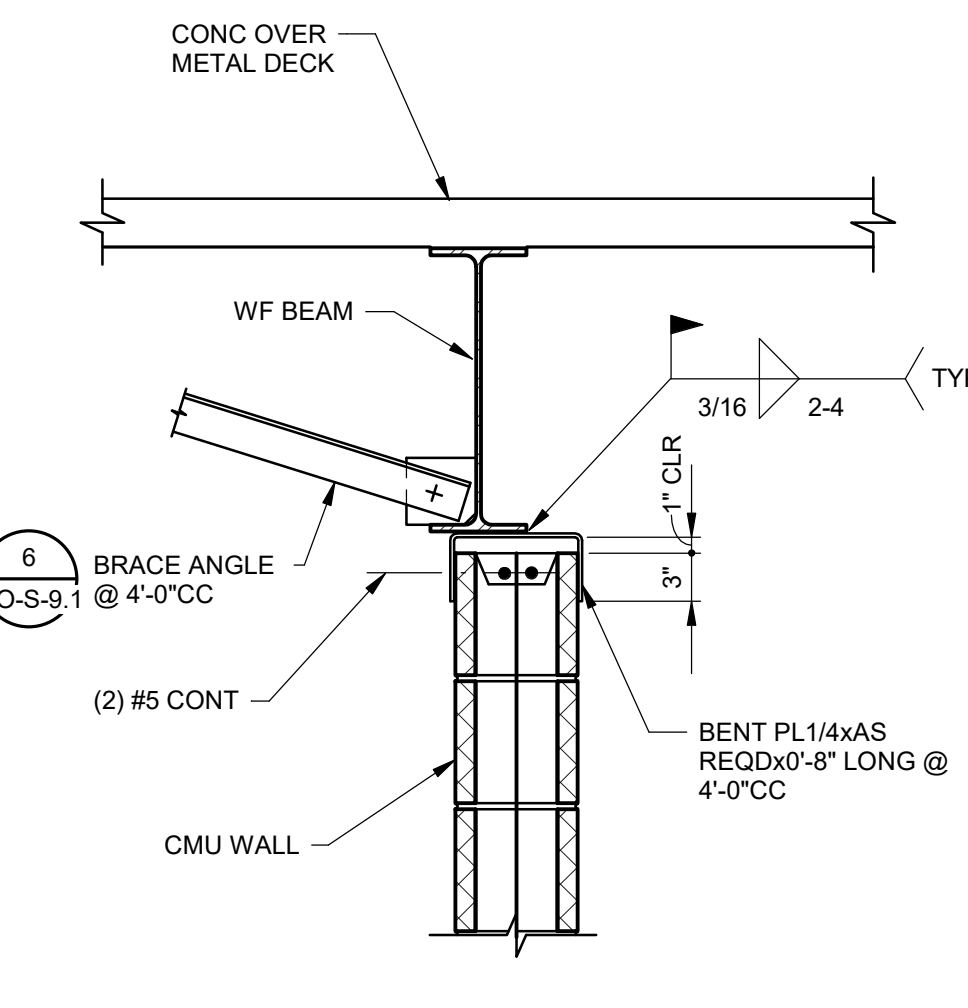
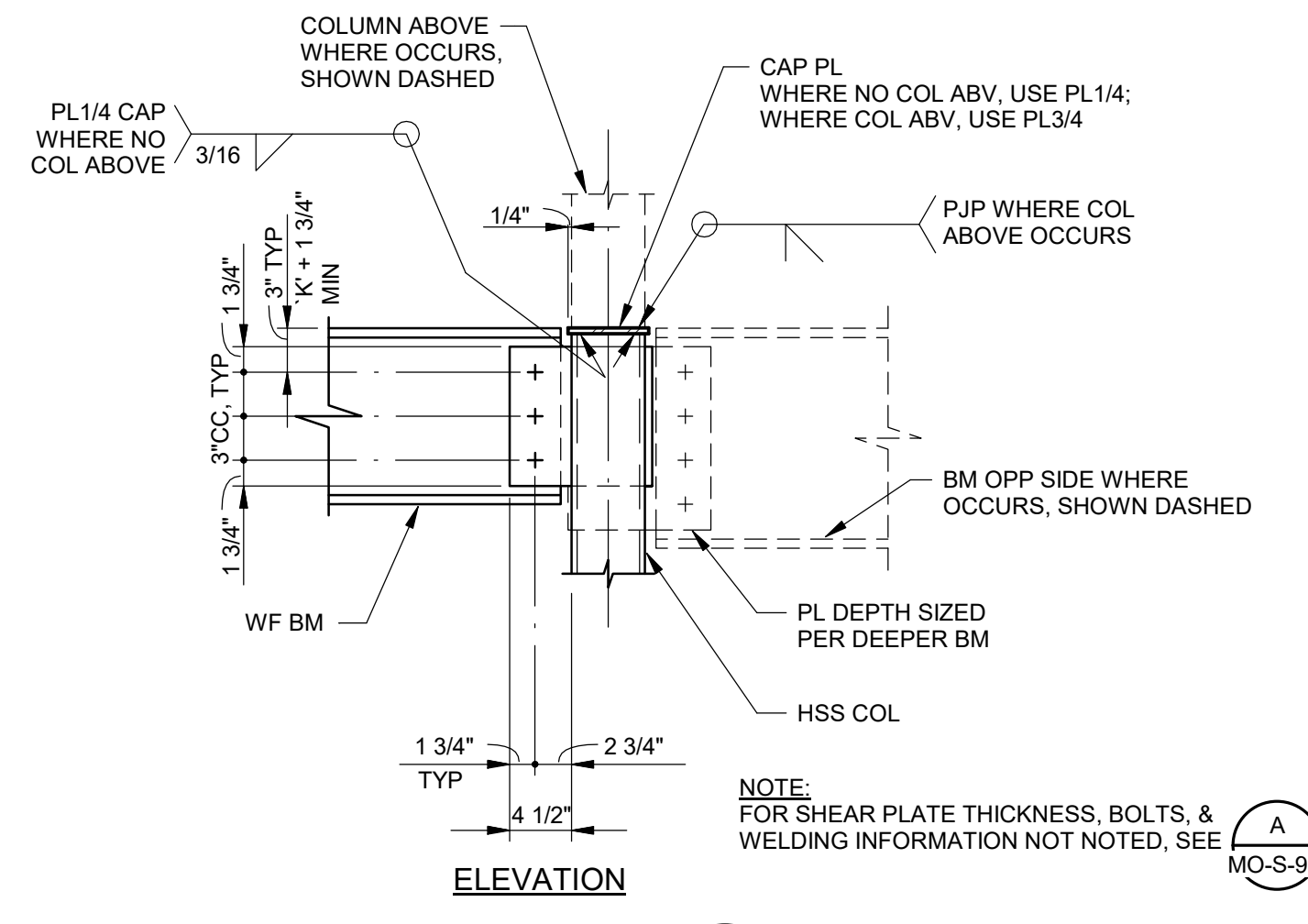
CONTRACTOR MAY USE HORIZONTAL SHORT SLOTTED HOLES FOR THESE CONNECTIONS ONLY. THE SHORT SLOTTED HOLES SHALL BE IN THE SHEAR PL WITH HARDENED WASHERS PROVIDED OVER THE SLOTS. TYPE 'N' BEARING CONNECTIONS SHALL BE USED UNLESS NOTED OTHERWISE.

**DETAIL 1**  
MO-S-9.1

**DETAIL 2**  
MO-S-9.1

**DETAIL 3**  
MO-S-9.1

**DETAIL 7**  
MO-S-9.1



**DETAIL 4**  
MO-S-9.1

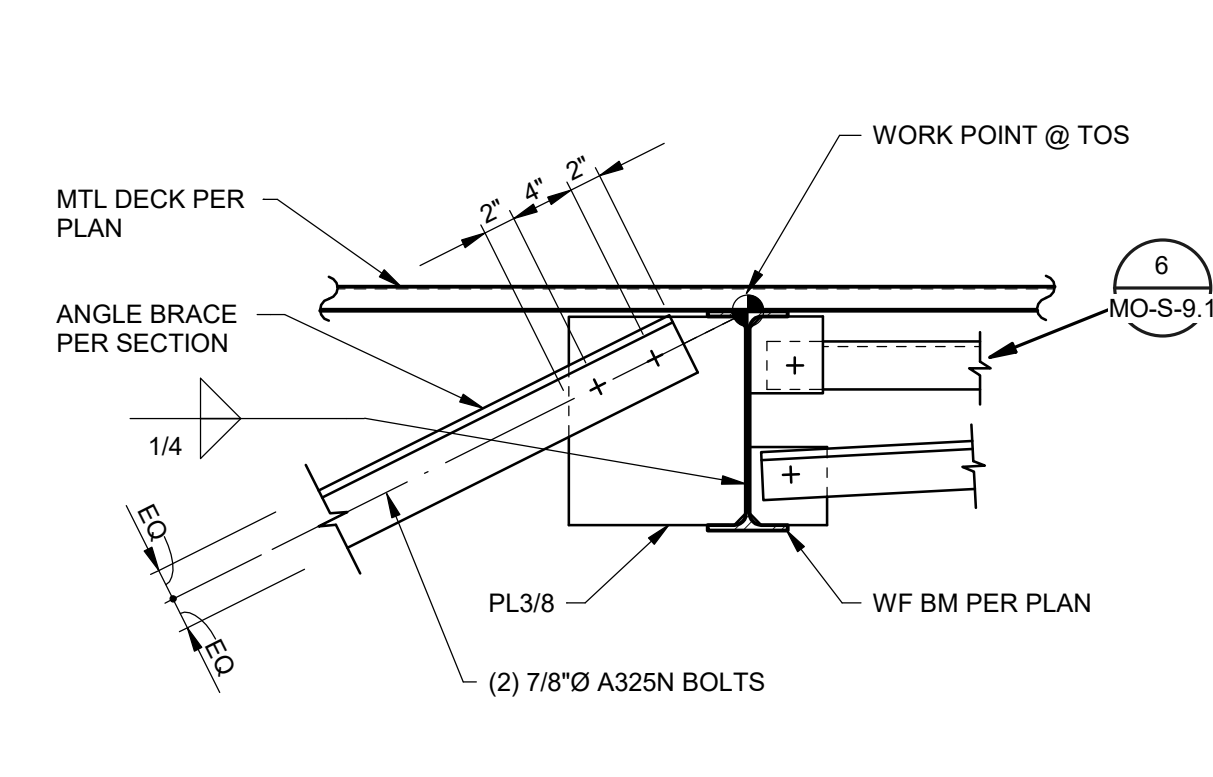
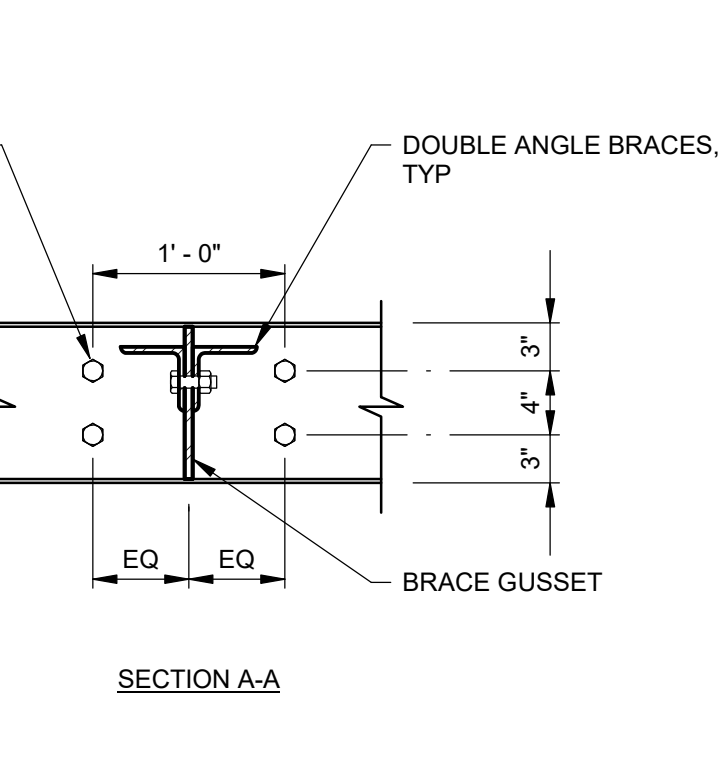
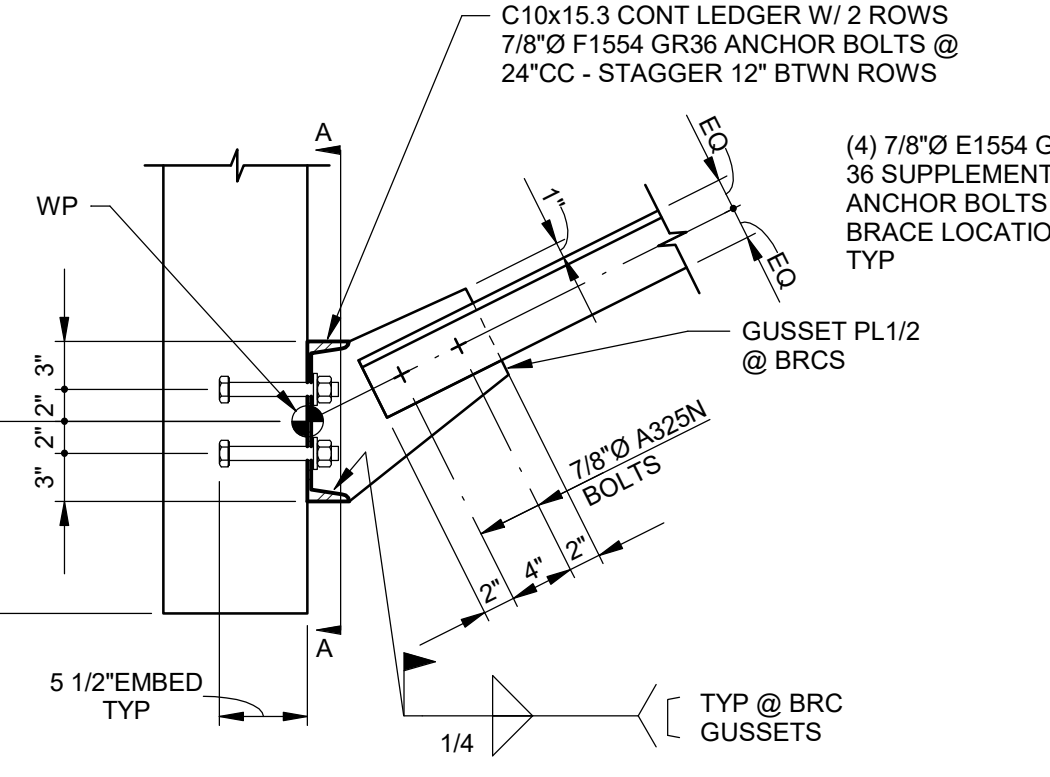
**DETAIL 5**  
MO-S-9.1

**DETAIL 6**  
MO-S-9.1

**DETAIL 10**  
MO-S-9.1

**DETAIL 11**  
MO-S-9.1

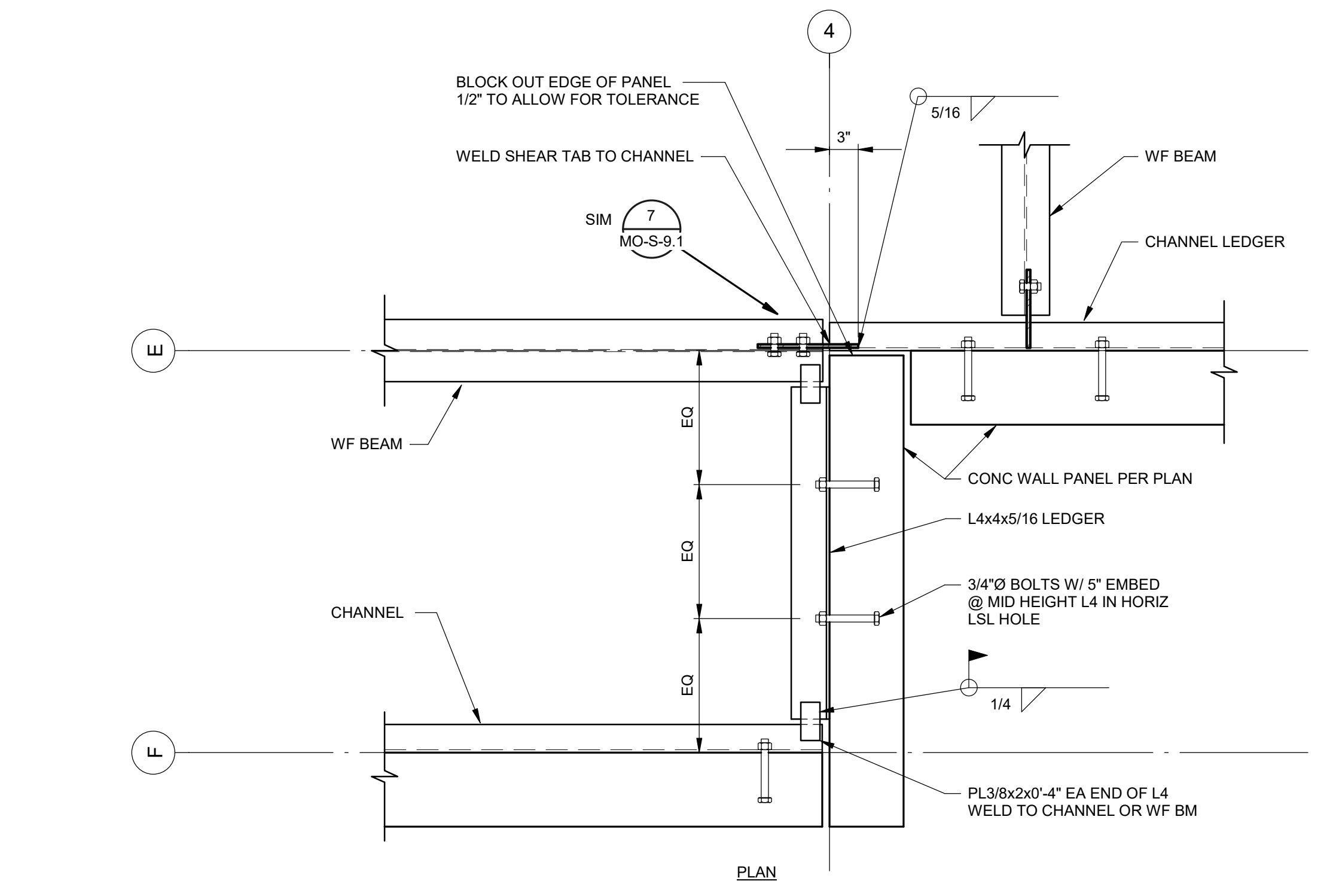
**NON-BEARING CMU PARTITION**  
MO-S-9.1



**DETAIL 8**  
MO-S-9.1

**DETAIL 9**  
MO-S-9.1

**DETAIL 13**  
MO-S-9.1



**DETAIL 12**  
MO-S-9.1

**MO-S-9.1 CONNECTION SCHEDULE**

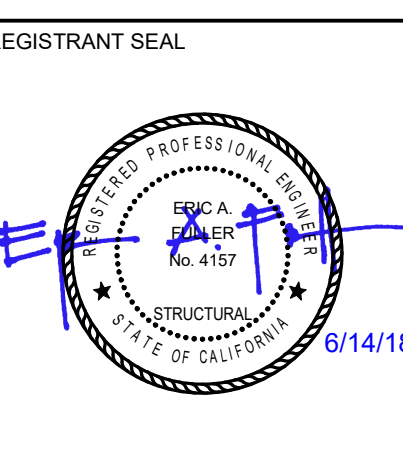
HSS COLUMN SIZE	STFNR PL THICKNESS <sup>1</sup>	W	BASE OR CAP PL PER DETAIL			
			A'	B <sup>2</sup>	C'	THICKNESS <sup>1</sup>
3x3	1/4	3/16	11"	4"	7 1/2"	1/2
4x4	1/4	1/4	12"	5"	8 1/2"	5/8
5x5	3/8	1/4	13"	6"	9 1/2"	3/4
6x6	3/8	1/4	14"	7"	10 1/2"	3/4
7x7	1/2	1/4	15"	8"	11 1/2"	3/4
8x8	3/4	5/16	15"	9"	12 1/2"	7/8
10x10	3/4	5/16	16"	11"	14 1/2"	1

NOTES:  
1. USE PL 'T' FOR LARGEST HSS COLUMN AT CONNECTION.  
2. 'B' INDICATES THE MINIMUM WIDTH. USE THE GREATER WIDTH OF THE BEAM FLANGE OR THE MINIMUM INDICATED.  
3. FOR ADDITIONAL REQUIREMENTS WHERE BEAM FRAMES INTO COLUMN AT WEB STFNR PL, SEE MO-S-9.1 MO-S-9.1 MO-S-9.1

**MO-S-9.1 BASE PLATE SCHEDULE**

COLUMN SIZE	BASE PLATE DIMENSIONS						CAPACITY
	T	A'	B'	C'	D'	E'	
3x3	5/8	9	0-9"	3 1/2"	2"	7"	-
4x4	5/8	10	0-10"	5"	2 1/2"	7 1/2"	-
5x5	1	11	0-11"	5 1/2"	3"	8"	-
6x6	1	12	1-0"	7"	3 1/2"	8 1/2"	-
7x7	1 1/4	13	1-1"	8"	4"	9"	-
8x8	1 1/4	14	1-2"	9"	4 1/2"	9 1/2"	-
10x10	1 1/2	16	1-4"	11"	5 1/2"	10 1/2"	-
12x12	1 1/2	18	1-6"	13"	6 1/2"	11 1/2"	-

NOTES:  
1. WELD 'W' SHALL BE 1/4" AT BASE PLATES 3/4" AND LESS, 5/16" AT BASE PLATES GREATER THAN 3/4".



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**MORGUE**  
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DIAMOND SPRINGS, CA 95619



NO.	REVISION	DATE

PROJECT NO.: 2017.033  
DATE: 06-18-2018  
DESIGNED BY: RJM  
DRAWN BY: PVB  
APPROVED BY:  
SHEET TITLE: STEEL DETAILS



SHEET NUMBER:  
**MO-S-9.1**  
18-0936 A 14 of 15

