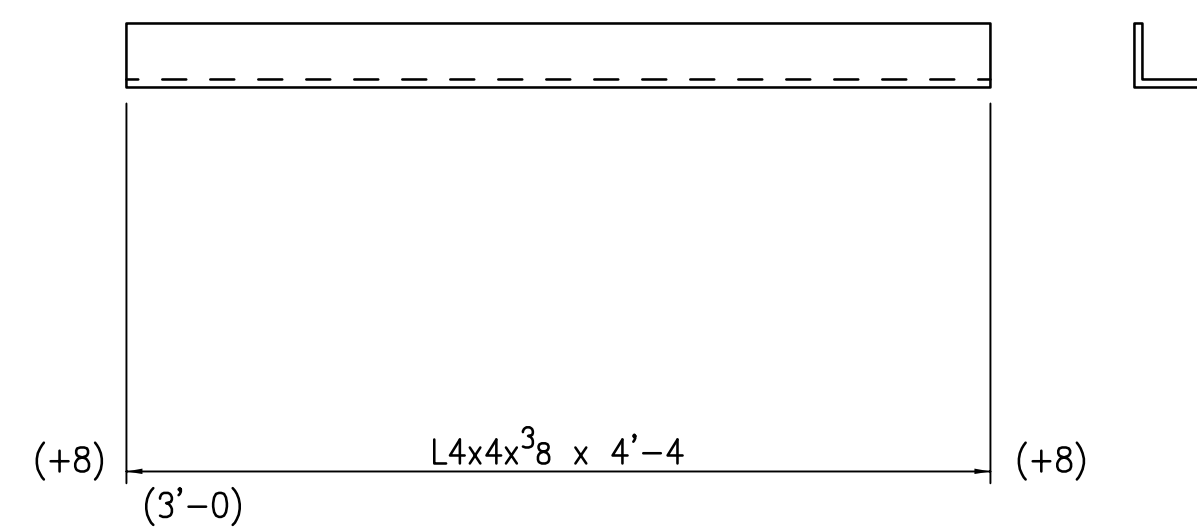
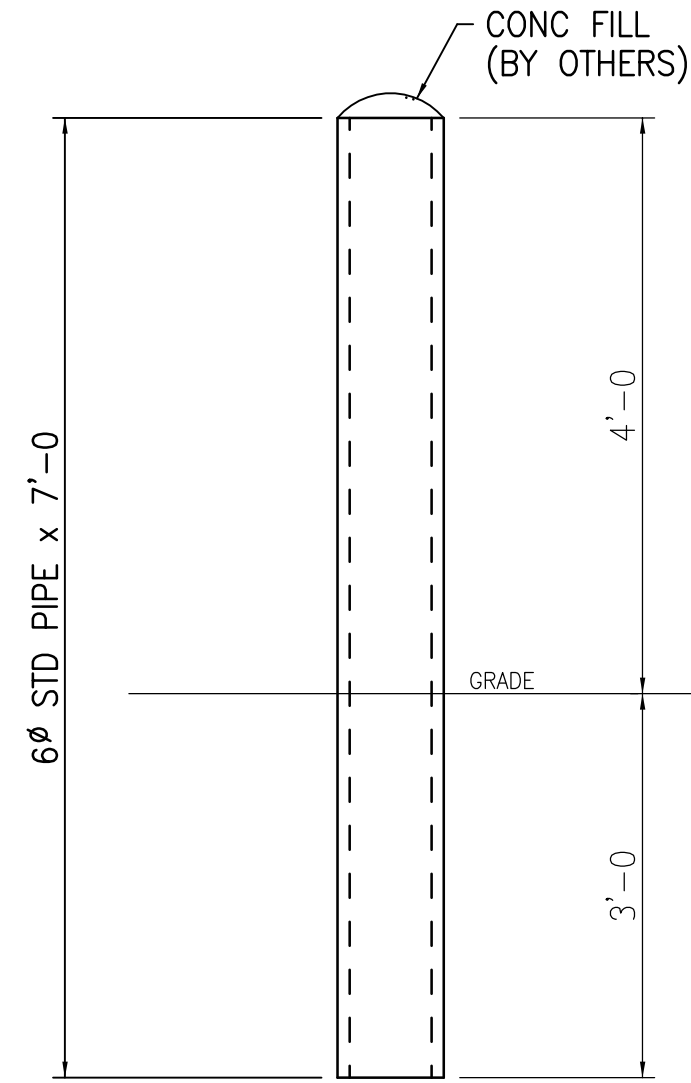
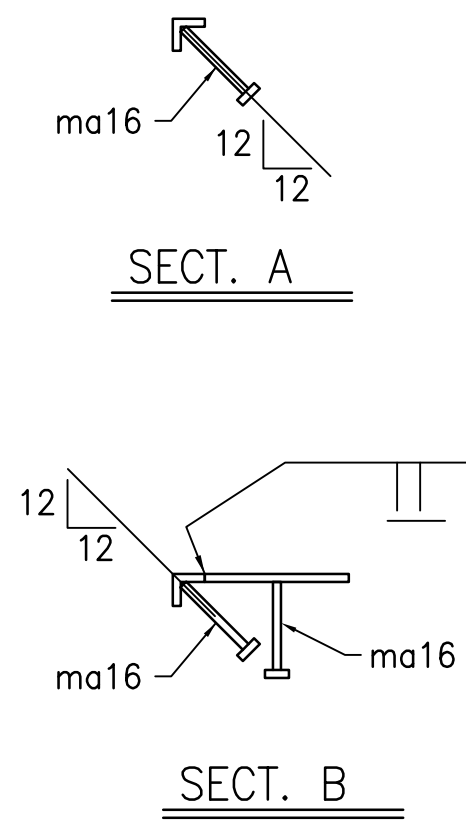


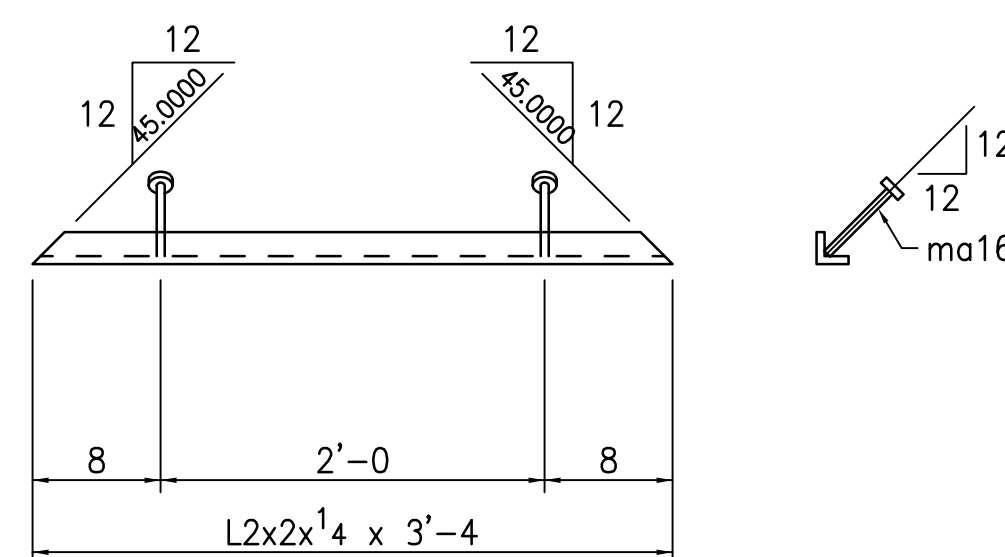
1<sup>R</sup>-1<sup>L</sup> FRAMES - A16<sup>R</sup>  
 1<sup>R</sup> - AS DRAWN  
 1<sup>L</sup> - OPPOSITE HAND  
 HOT DIP GALVANIZED  
 (SEAL ALL WELDS)



ONE - ANGLE - D16  
 GALVANIZED  
 LOOSE LINTEL @ LOUVER  
 EQUIPMENT SHOP (EAST ELEVATION)



33 PIPE BOLLARDS B16  
 GALVANIZED  
 (26) @ EQUIPMENT SHOP  
 (7) @ SALT SHED



2 - ANGLES - F16  
 HOT DIP GALVANIZED  
 (SEAL ALL WELDS)

BILL OF MATERIAL

SEQ. NO.	NO. PCS.	SHIPPING MARK	NO. PCS.	DESCRIPTION	LENGTH		ASSEMBLY MARK	REMARKS	MTRL. SPECS.	MATERIAL APPLICATION		
					FT.	IN.				P.O. NO.	LINE ITEM	NO. PCS.
1												
2												
3	1 <sup>R</sup> -1 <sup>L</sup>	A16 <sup>R/L</sup>		FRAME				1 <sup>R</sup> -1 <sup>L</sup>				
4			2	L2x2x1/4	28	1 1/4	aa16	B2E				
5			4	L2x2x1/4	3	1 1/2	ab16	B2E				
6			2	L2x2x1/4	24	9 1/4	ac16R/L	1 <sup>R</sup> -1 <sup>L</sup> B2E				
7			2	L2x2x1/4	0	10	ad16R/L	1 <sup>R</sup> -1 <sup>L</sup> B2E				
8			4	R 1/4x9	3	1 1/2	pa16					
9			76	1/2" HEADED STUD	0	6	ma16					
10												
11												
12												
13												
14	33	B16		6" STD PIPE	7	0		GALVANIZED	A53B			
15												
16												
17												
18												
19	ONE	D16		L4x4x3/8	4	4		GALVANIZED				
20												
21												
22												
23												
24	2	F16		L2x2x1/4	3	4						
25			4	1/2" HEADED STUD	0	6	ma16					
26												
27												
28												
29												
30												
31												
32												
33												
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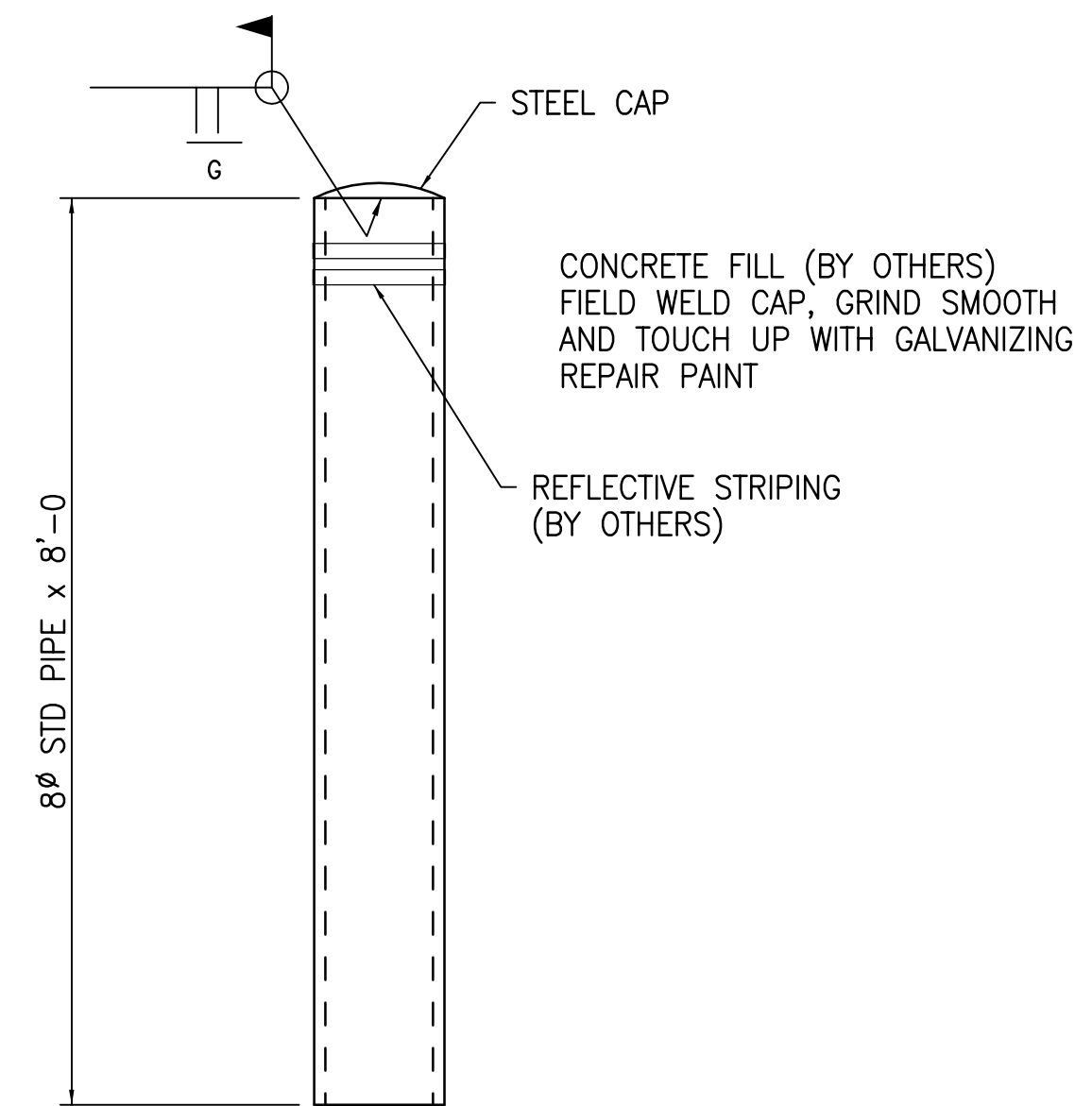
SHOP NOTE:  
 1. ALL MATERIAL SHALL BE ASTM A36 (UN)  
 2. ALL WELDS TO BE E70XX ELECTRODES  
 3. ALL HOLES IN BEAM END CONN CLIP ANGLES OUTSTANDING LEG SHALL BE 13/16 X 1 HORIZONTAL SLOTS U.N.O.  
 4. ALL STUB DIMENSIONS SHOWN ARE FROM THE END OF BEAM.

REF. DWGS.	E1	SEQ.		
REVISION	DATE	DESCRIPTION OF REVISION	DRAWN	CHK'D
A	6.3.15	REVISE AND RESUBMIT	JST	
B	8.10.15	REVISED PER APPROVALS AND LIFT SHOPS	JST	
C	8.13.15	FOR SHOP/FIELD USE	JST	JWL
D	9.10.15	ADD PAINT NOTE	JST	JWL

Bolts	3/4" A325 TYP (UNO)	Holes	13/16" TYP (UNO)
Shop Paint	SSPC-SP3	1-S/C SHERWIN WILLIAMS B50AV8431 (2.0MIL DFT)	
Fab. Spec.		Inspection	

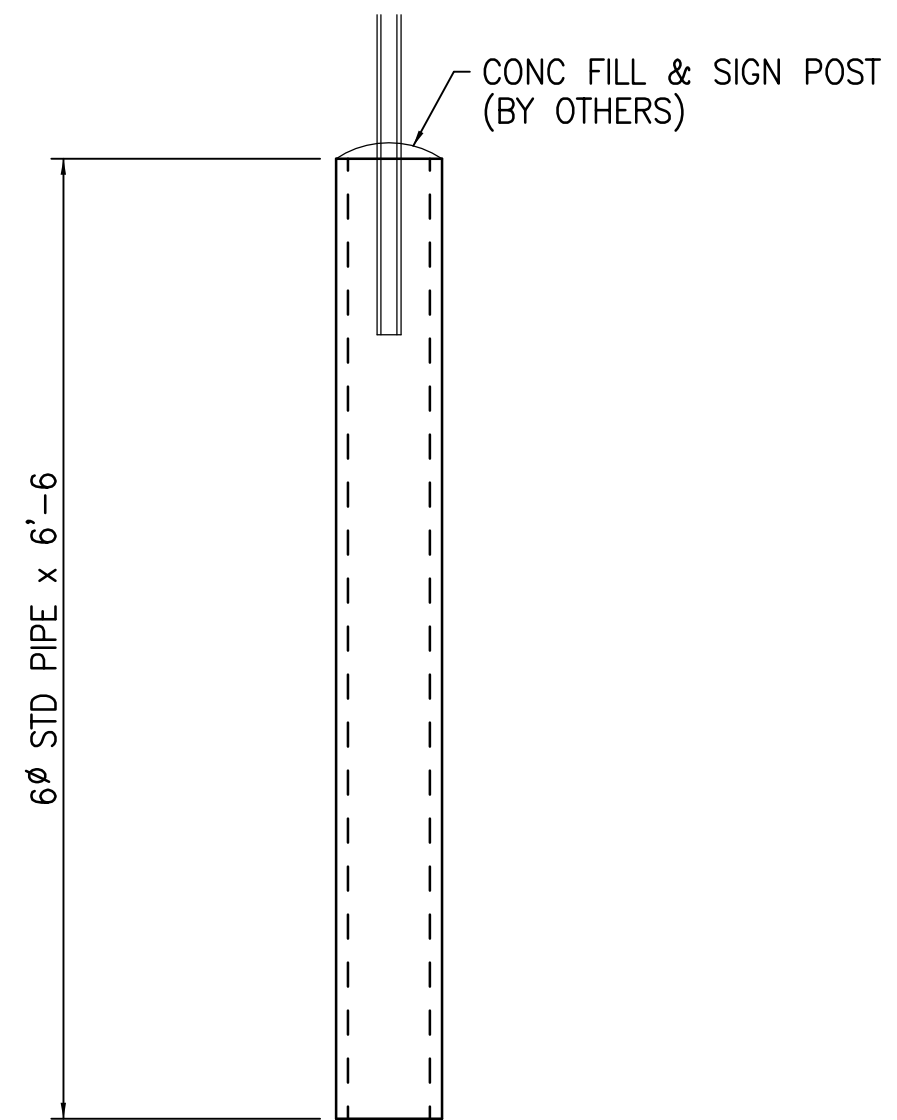
SHIP TO	Customer's Order No.	JOB NO.	SHEET NO.	REV.
Dwg. By	JST	Date	5.23.15	
Checked By	JWL	Date	8.13.15	

20865 16



3 PIPE BOLLARDS M11A

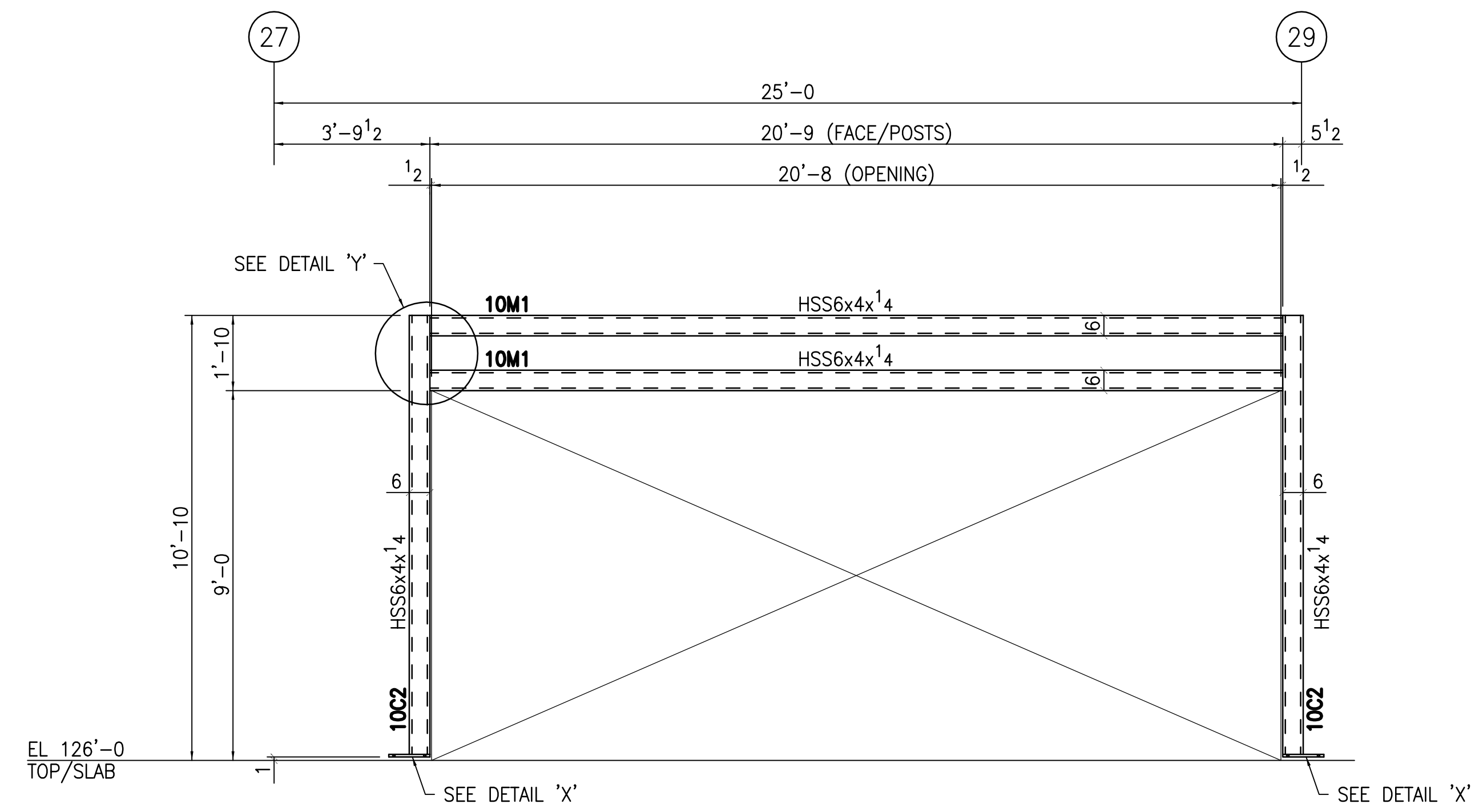
BOLLARD #1 DETAIL 2/L-7.3



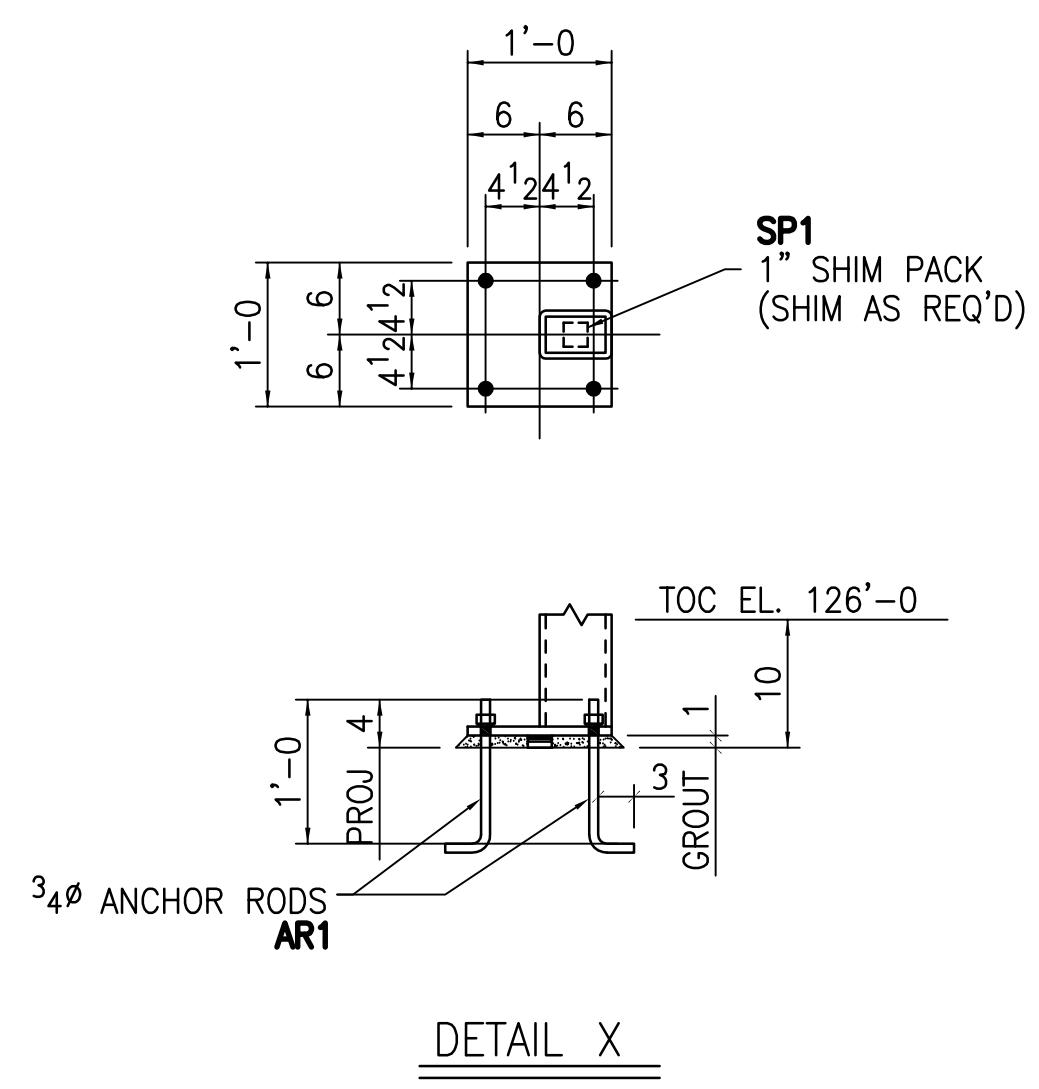
6 PIPE BOLLARDS M11B

BOLLARD WITH SIGN DETAIL 8/L-7.3

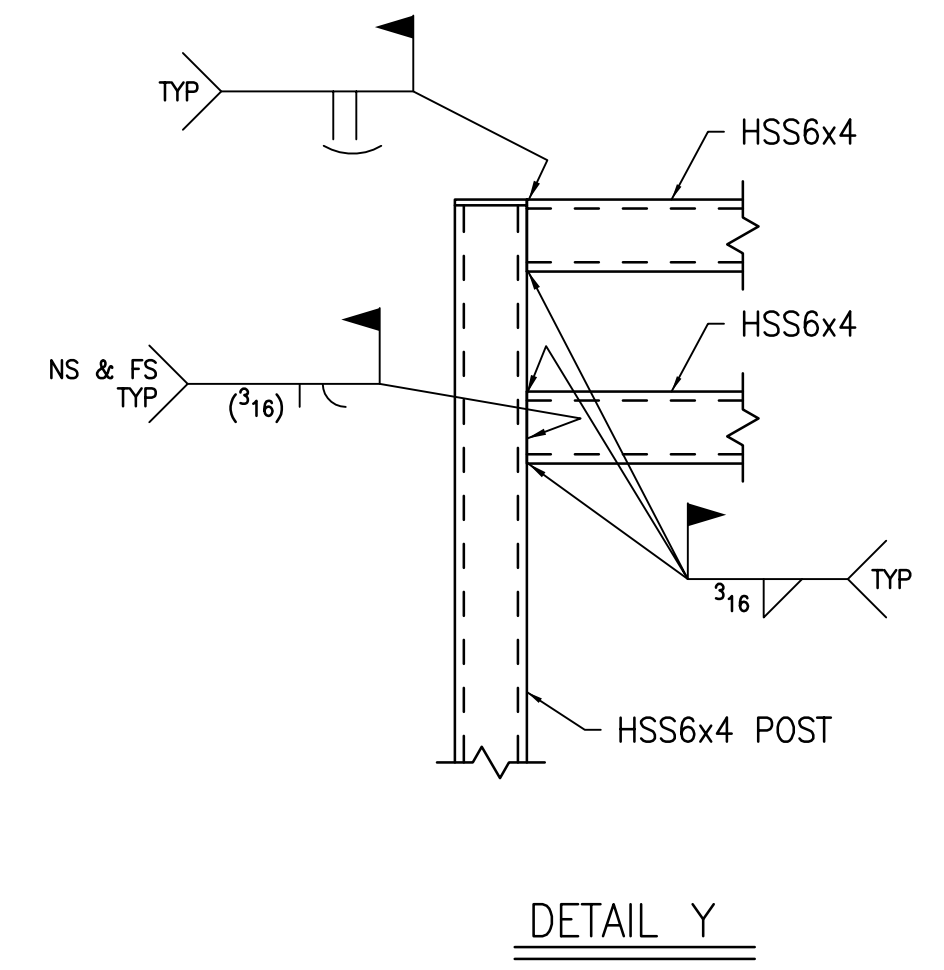
SPEC: W - A992 TS, HSS - A500B PIPE - A53B L, R, FB, C, MC - A36			
WELDING: E70LH			
HOLES: $1\frac{3}{16}$ " TYP (UNO)			
PREP:			
FINISH: GALVANIZED			
DATE:	ISSUE:	DRAWN:	JOB NO.
7.2.14	FOR APP'L	JST	
1	7.14.14	SHOP/FIELD USE	DRAWING NO.
2			
3			
4			
			<b>M11</b>



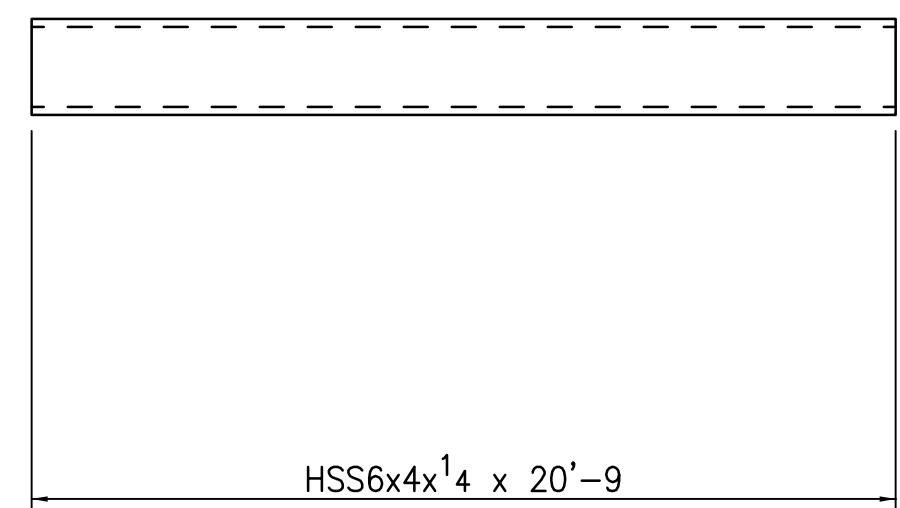
ELEVATION @ GARAGE DOOR  
REF: 8/S2.2



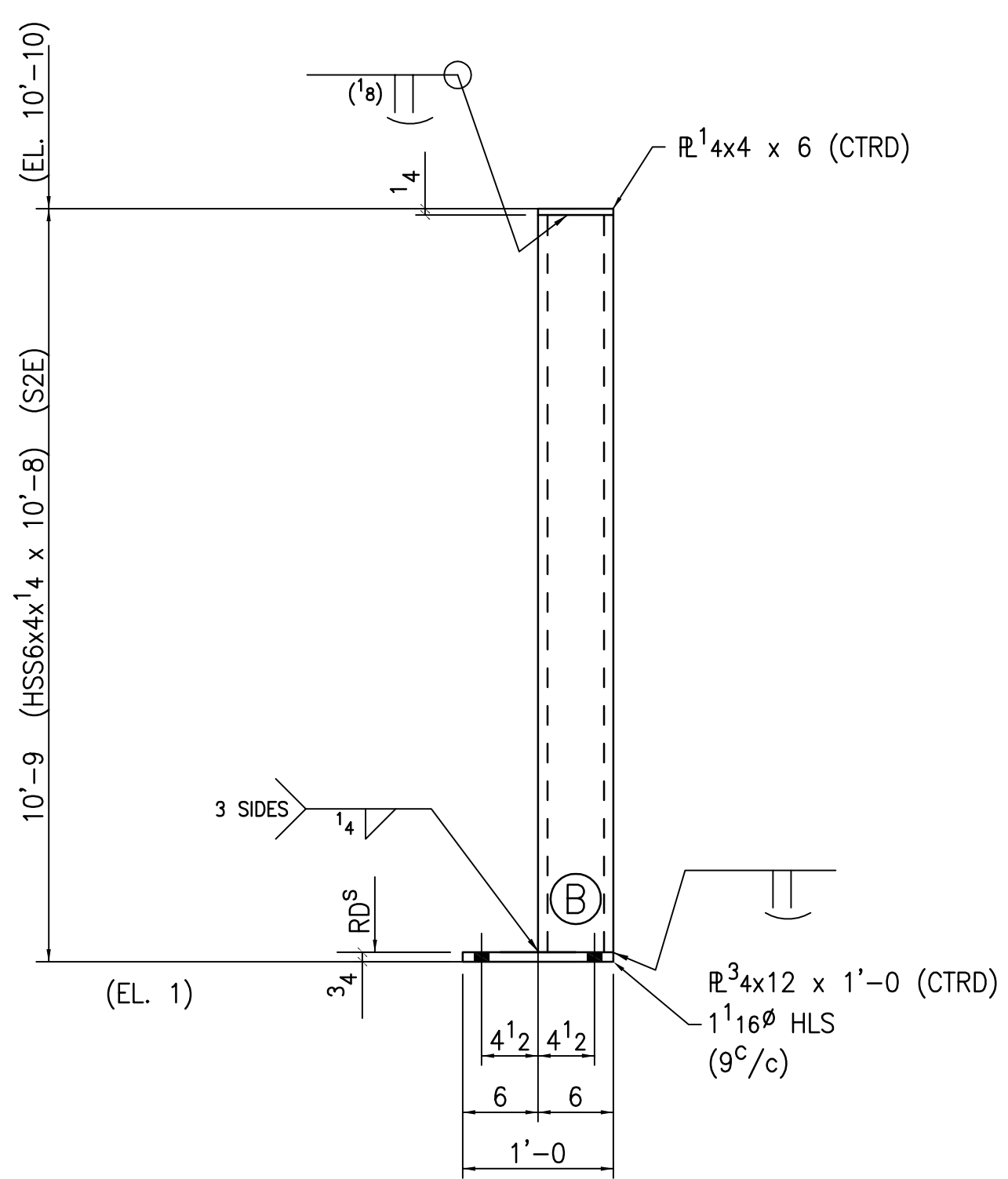
DETAIL X



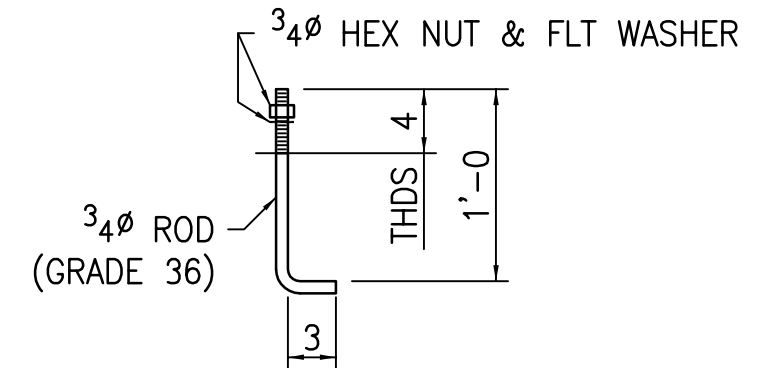
DETAIL Y



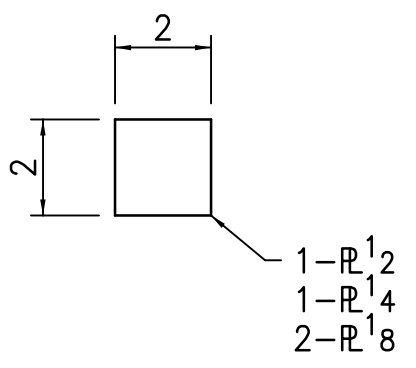
2 - TUBES - 10M1



2 - COLUMNS - 10C2

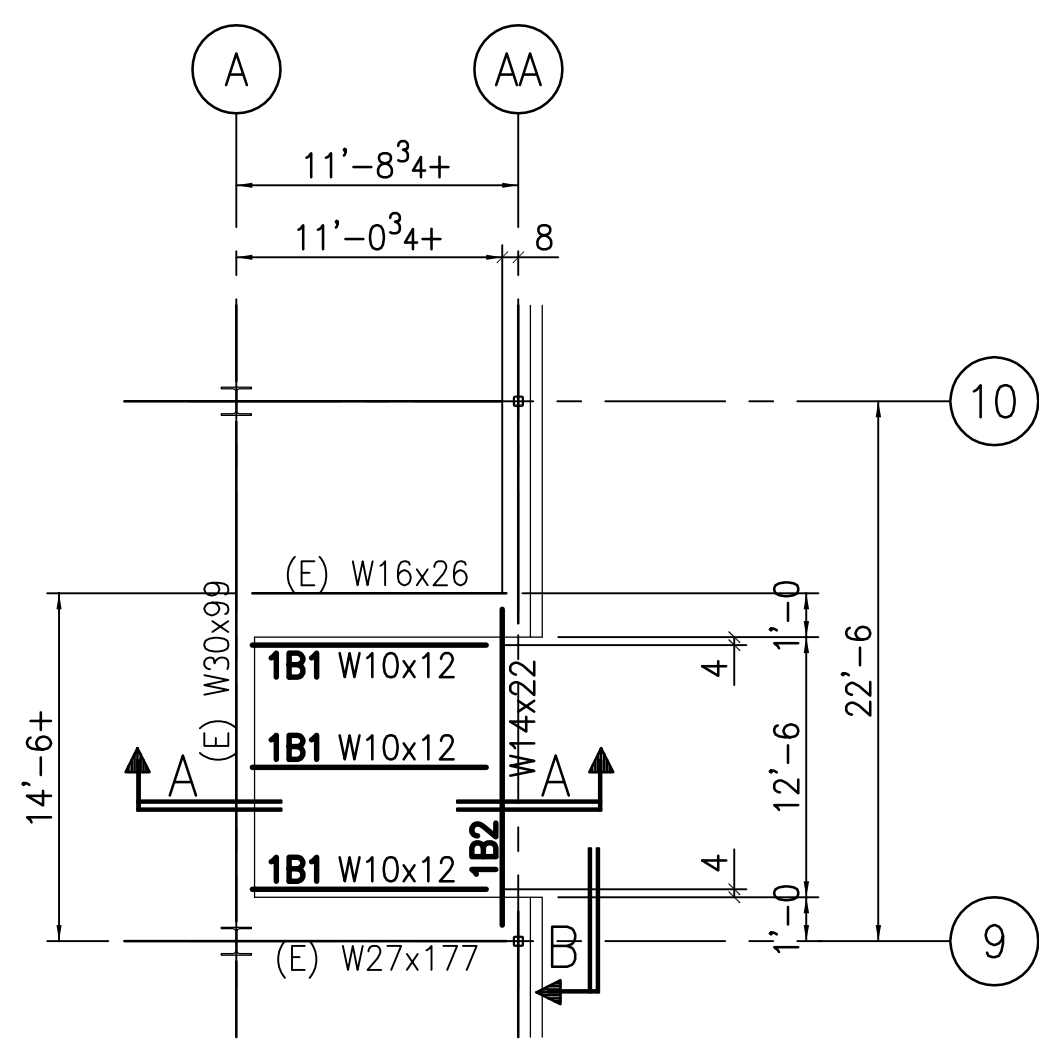


8 - ANCHOR RODS AR1

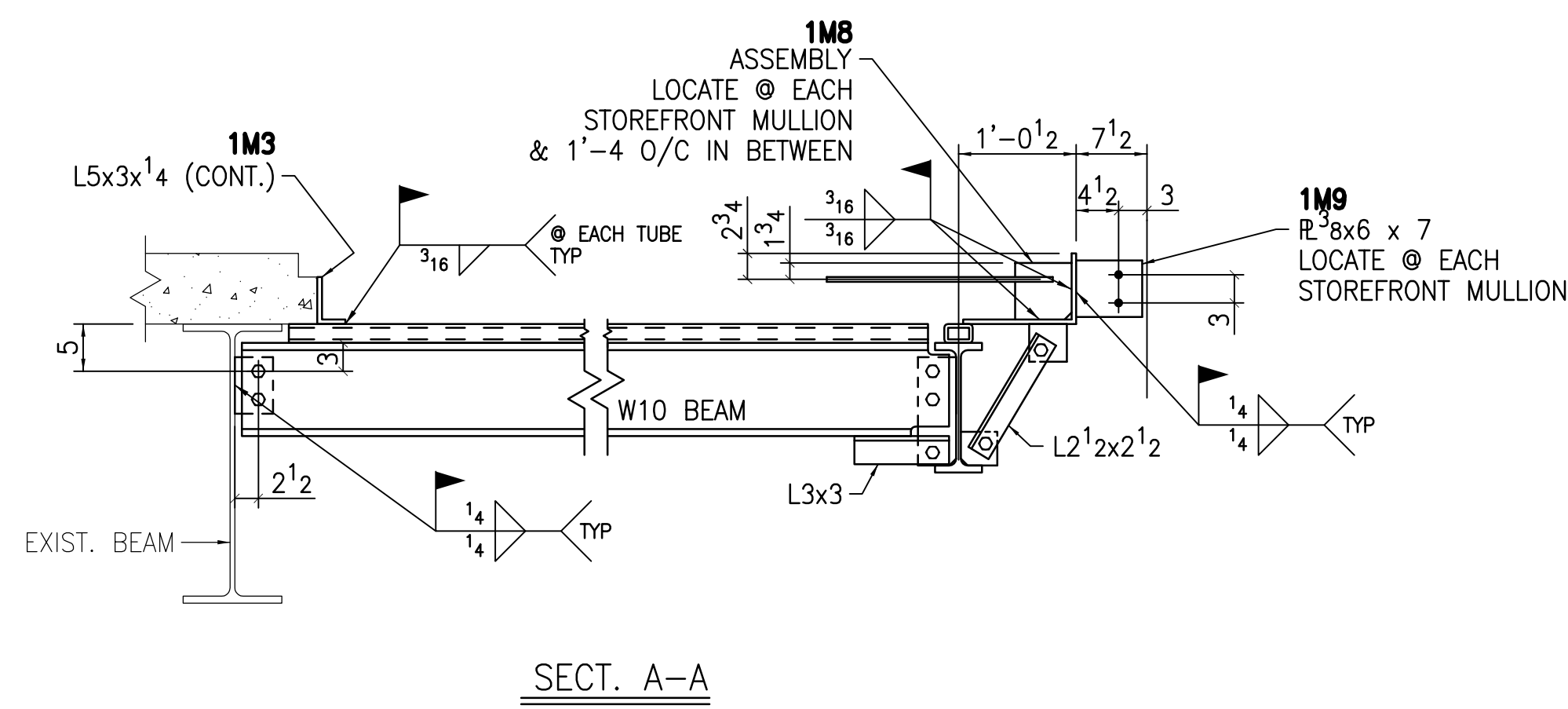


2 - SHIM PACKS SP1

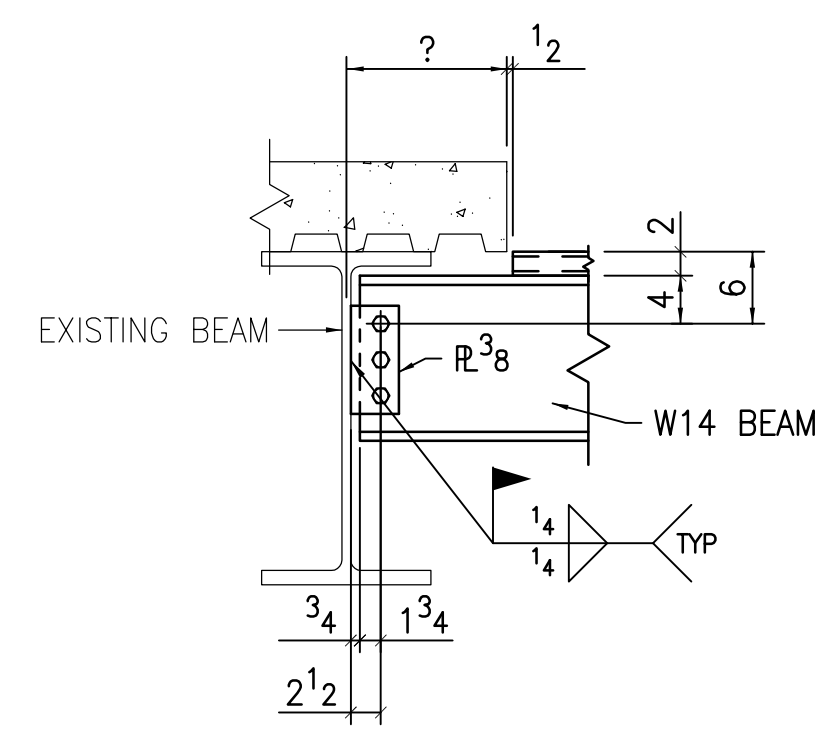
SPEC: W - A992 TS, HSS - A500B PIPE - A53B L, R, FB, C, MC - A36			
WELDING: E70LH			
HOLES: 1 3/16" TYP (UNO)			
FINISH: SSPC-SP2			
1-S/C SHERWIN WILLIAMS KEM BOND HS (GRAY) B50AZ8 UNIVERSAL METAL PRIMER 2.0 MIL DFT			
DATE:	ISSUE:	DRAWN:	JOB NO.
4.23.14	FOR APP'L	JST	
1 8.22.14	REVISE & RESUBMIT		
2 9.22.14	REVISE & RESUBMIT		
3 10.7.14	REVISE BASE RT EL		
4			
			DRAWING NO.
			<b>M10</b>



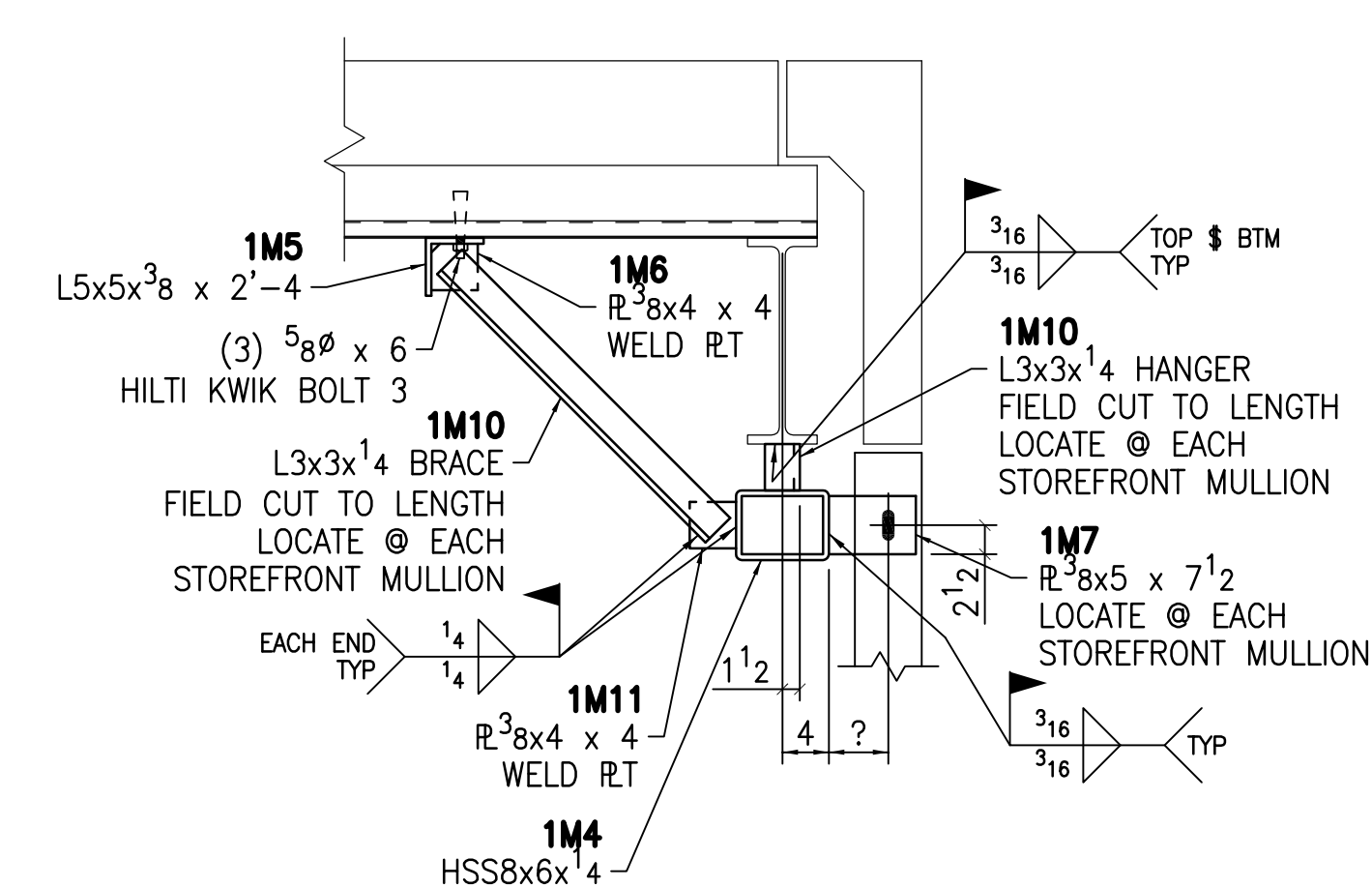
SLAB INFILL FRAMING PLAN



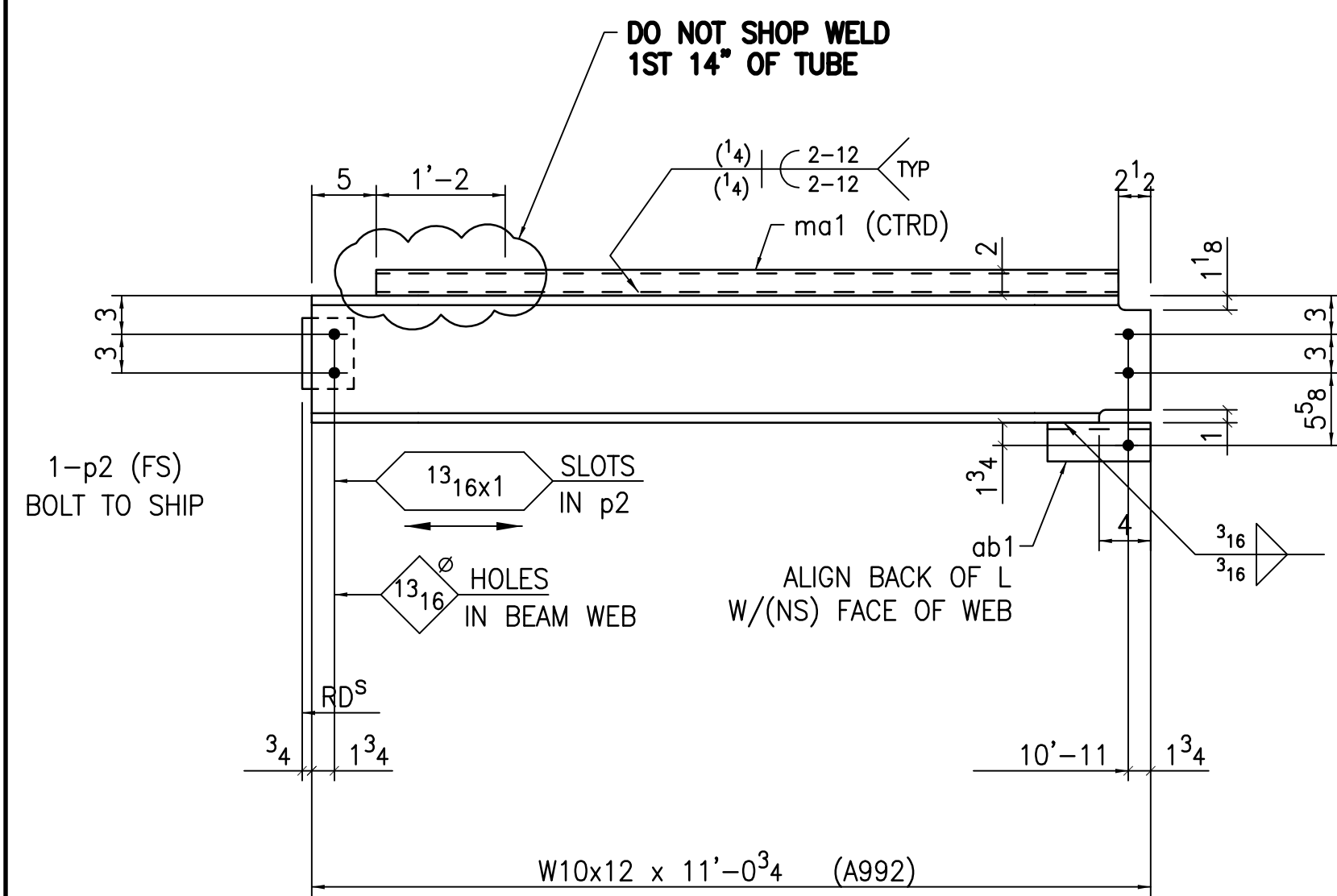
SECT. A-A



SECT. B

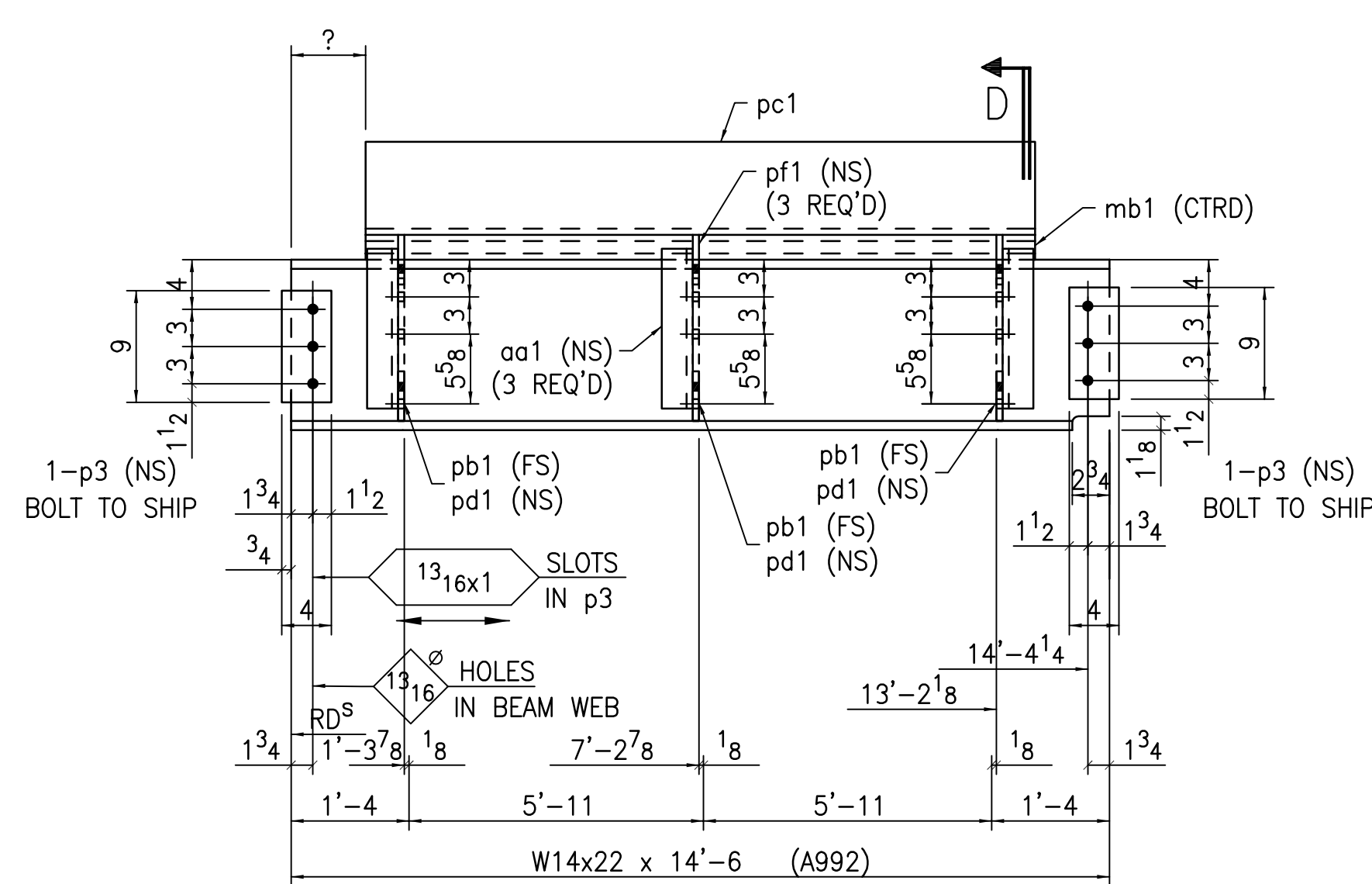


SECT. D



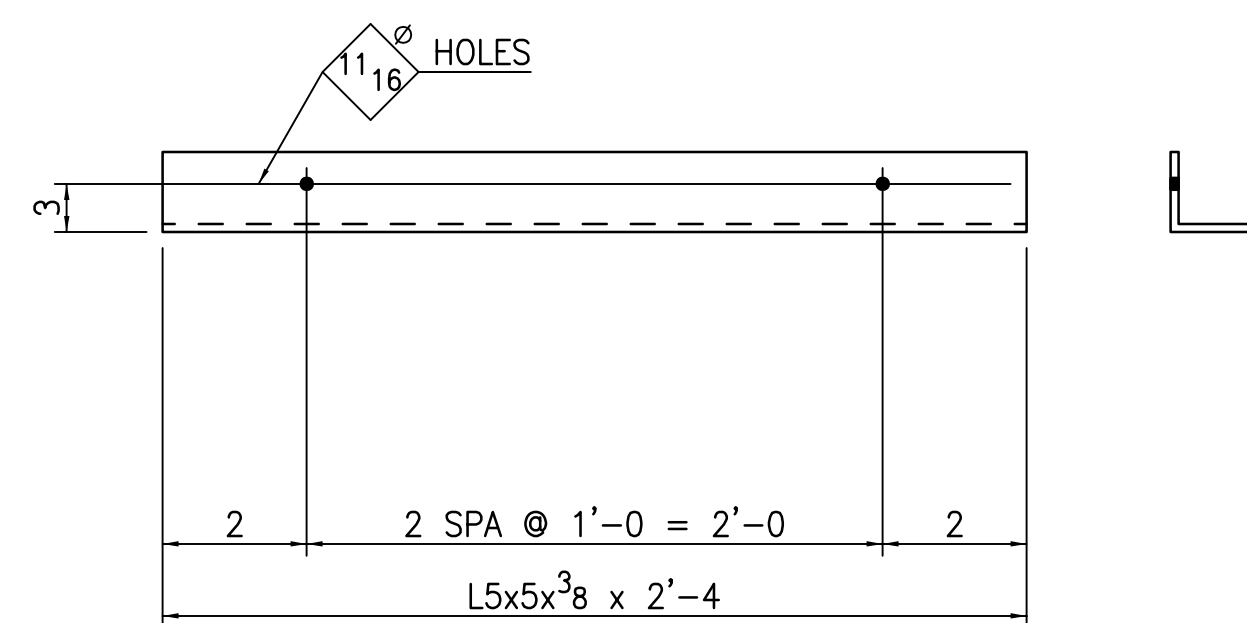
6-3/4 A325x1 3/4, 1HD      9-3/4 A325x1 3/4, 1HD

2<sup>R</sup>-ONE<sup>L</sup> - BEAMS - 1B1<sup>R</sup>

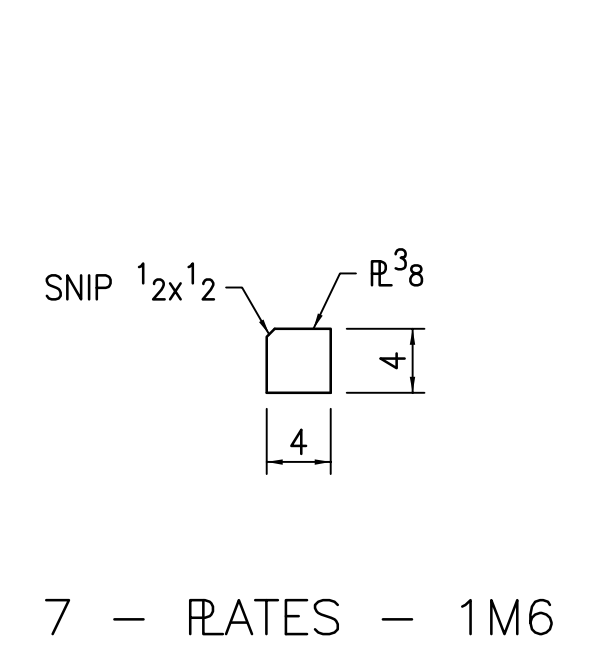


3-3/4 A325x1 3/4, 1HD      ONE - BEAM - 1B2      3-3/4 A325x1 3/4, 1HD

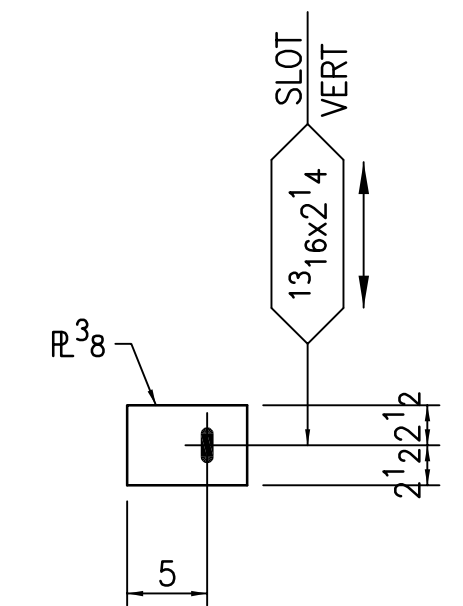
ONE - BEAM - 1B2



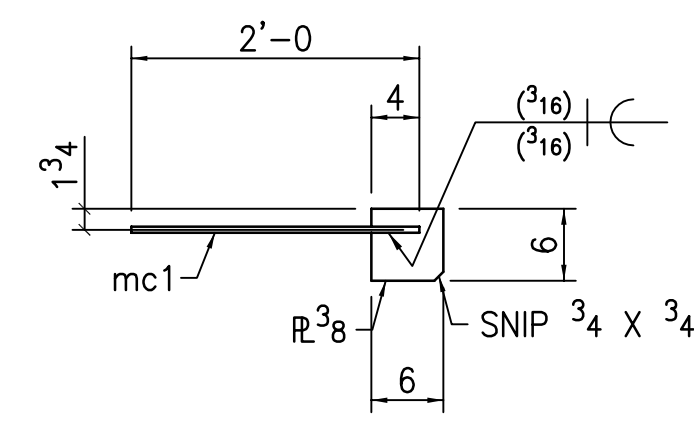
2 - ANGLES - 1M5



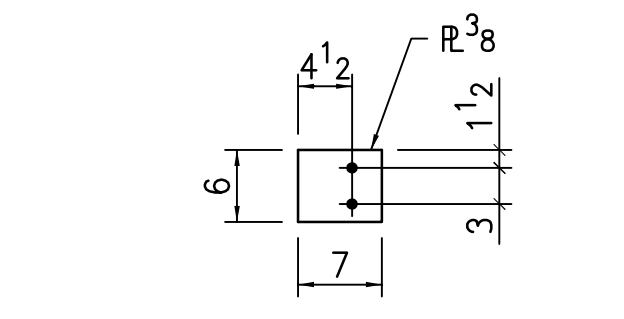
7 - RATES - 1M6



2 - RATES - 1M7



7 - ASSEMBLIES - 1M8



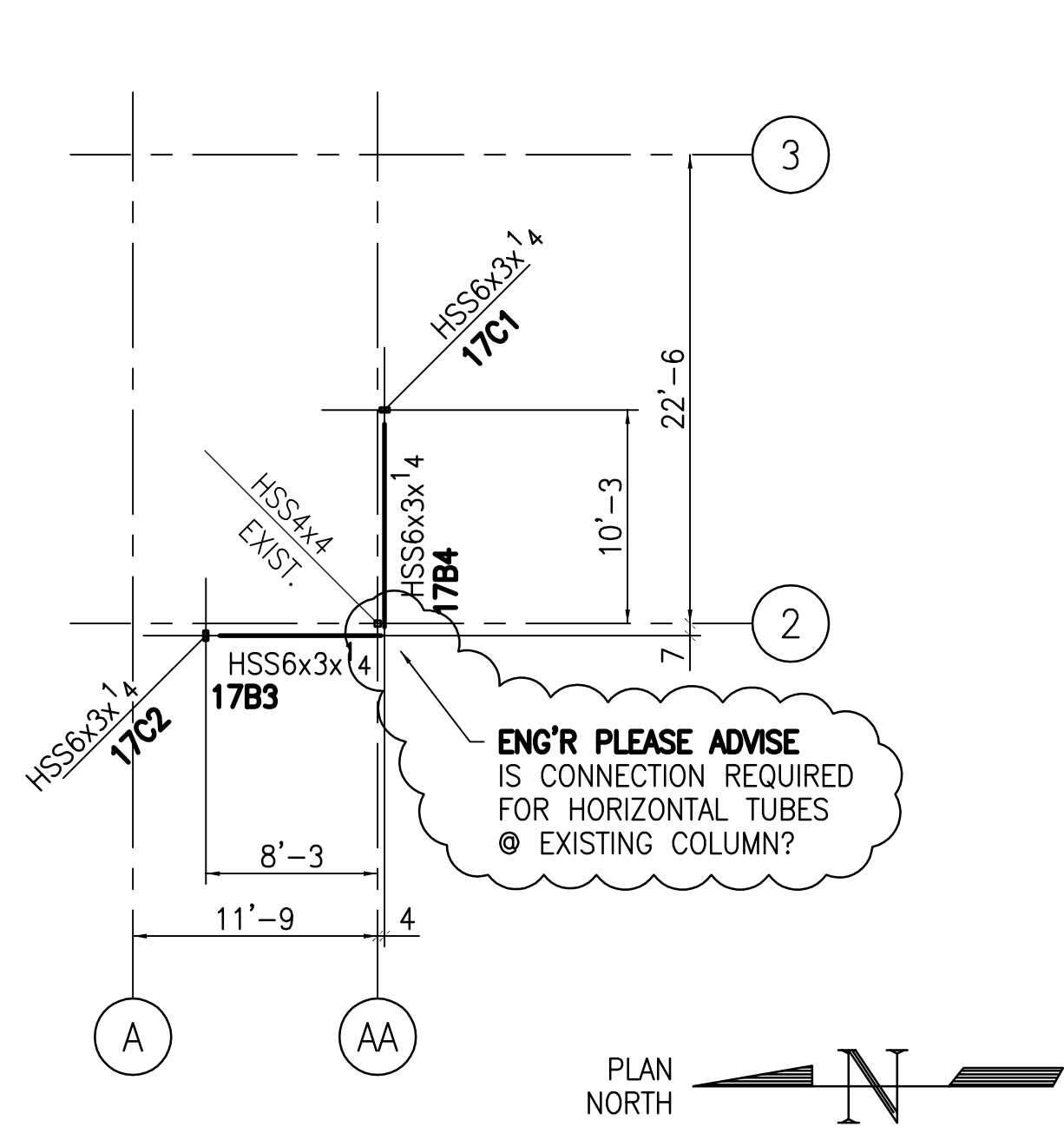
3 - RATES - 1M9

BILL OF MATERIAL

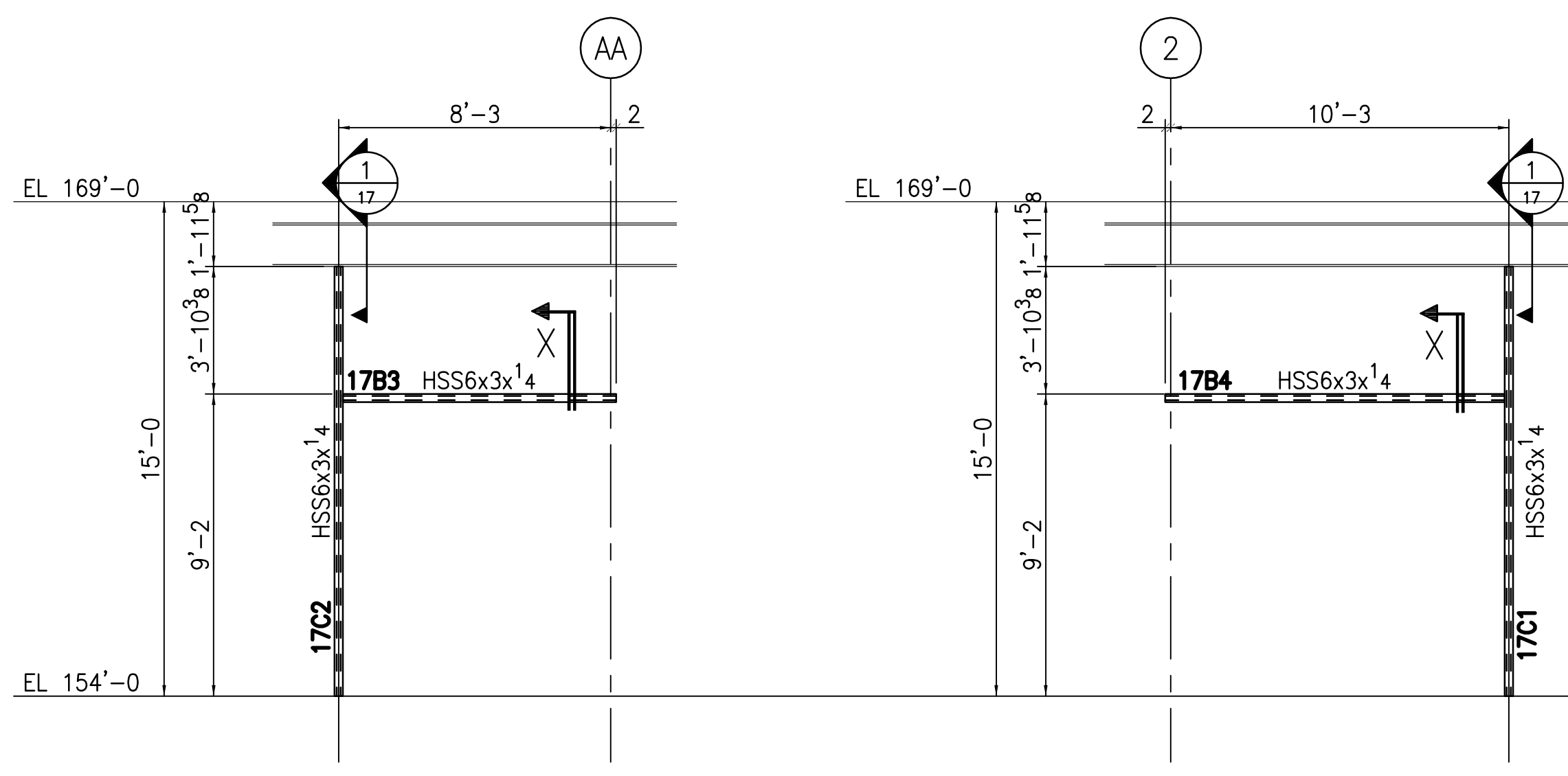
LINE	MARK	NO	SIZE	LENGTH		REMARKS
				FT	IN	
1						
2						
3						
4	1B1 <sup>R/L</sup>	3	W10x12	11	0 3/4	2 <sup>R</sup> -1 <sup>L</sup> A992
5	p2	3	FB <sup>3</sup> 8x4	0	6	
6	ma1	3	HSS3x2x3 1/8	10	5 1/4	A500B
7	ab1	3	L3x3x1/4	0	8	
8						
9						
10						
11						
12	1B2	ONE	W14x22	14	6	A992
13	p3	2	FB <sup>3</sup> 8x4	0	9	
14	pb1	3	FB <sup>3</sup> 8x4	1	0	
15	pc1	ONE	R <sup>1</sup> 4x19 1/4	12	5	BENT
16	pd1	3	R <sup>3</sup> 8x4	0	4	
17	pf1	3	R <sup>3</sup> 8x4	0	4	
18	aa1	3	L2 1/2x2 1/2x1/4	1	2 1/8	
19	b	6	3/4 A325	0	1 3/4	W/NUT & WASH
20	mb1	ONE	HSS3x2x3 1/8	12	5	A500B
21						
22						
23						
24						
25	1M5	2	L5x5x3/8	2	4	
26						
27						
28						
29	1M6	7	R <sup>3</sup> 8x4	0	4	
30						
31						
32						
33	1M7	2	R <sup>3</sup> 8x5	0	7 1/2	
34						
35						
36						
37	1M8	7	R <sup>3</sup> 8x6	0	6	
38	mc1	7	#4 REBAR	2	0	A706
39						
40						
41						
42	1M9	3	R <sup>3</sup> 8x6	0	7	
43						
44						
45						
46						
47						
48	1M3	ONE	L5x3x1/4	12	5	
49	1M4	ONE	HSSB6x6x1/4	14	0	
50	1M10	ONE	L3x3x1/4	20	0	
51	1M11	7	R <sup>3</sup> 8x4	0	4	
52						
53						
54						

FIELD BOLTS

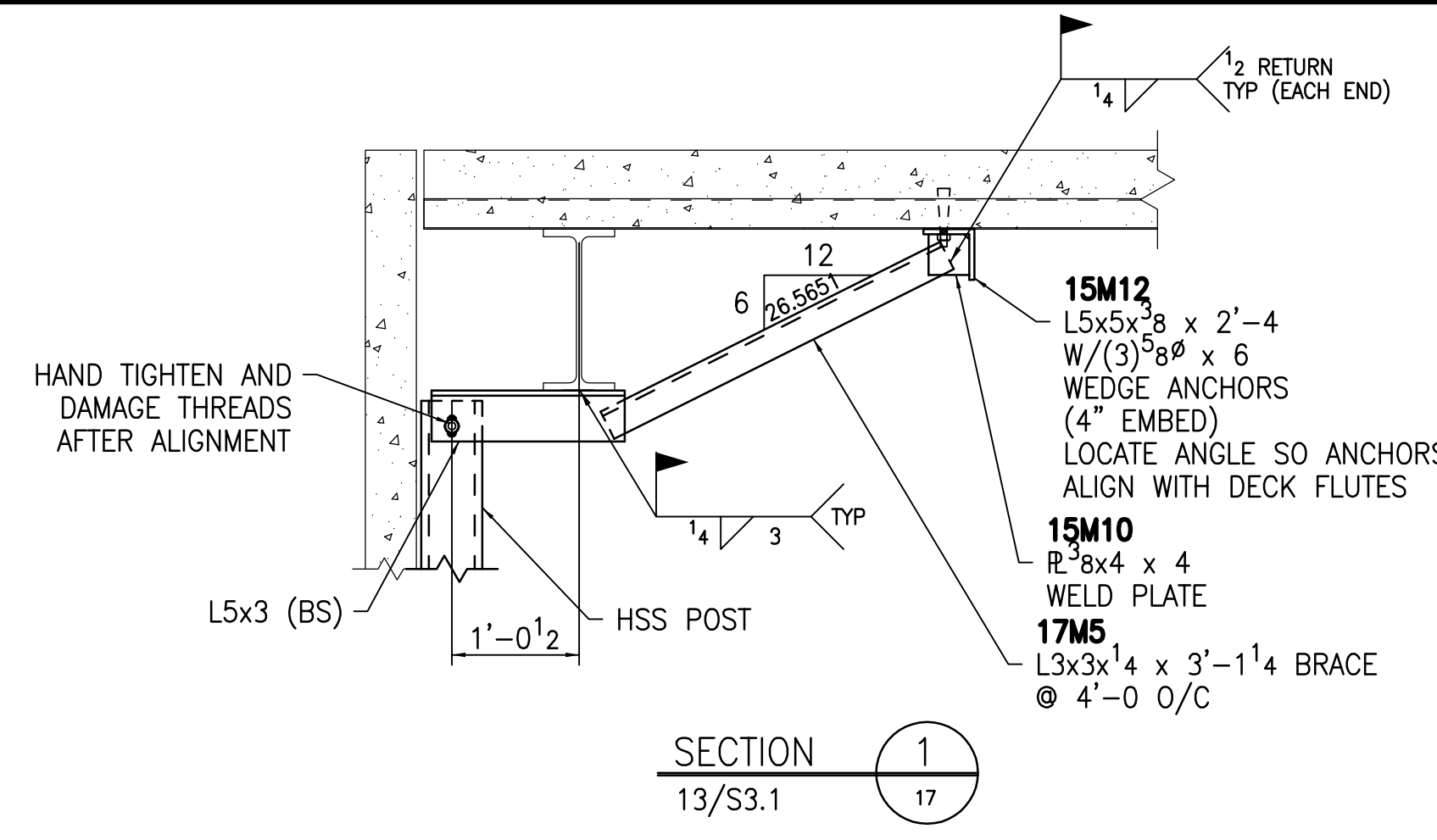
PAINT	1-S.C. RED OXIDE		
MATERIAL	A36 TYP (UNO)		
HOLES	13 16 TYP (UNO)		
ELECTRODES	E70LH	NO	DATE
DIAG. REF #		REVISIONS	



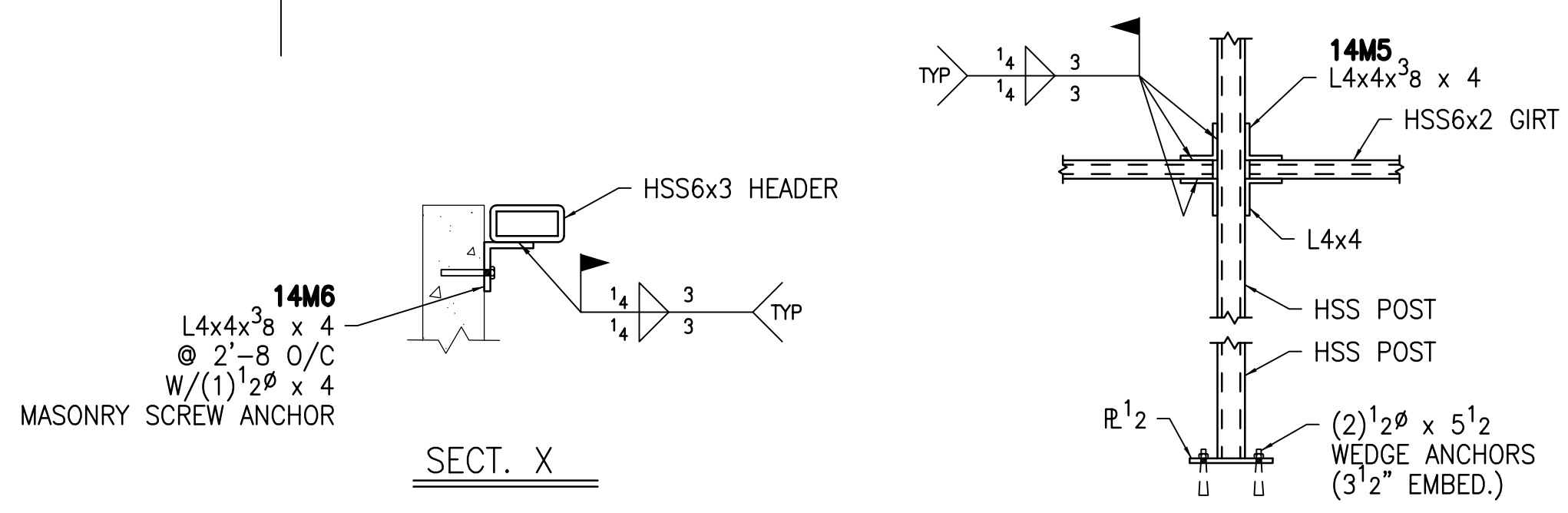
PLAN @ LOUVER OPENINGS



ELEVATIONS @ LOUVER OPENINGS



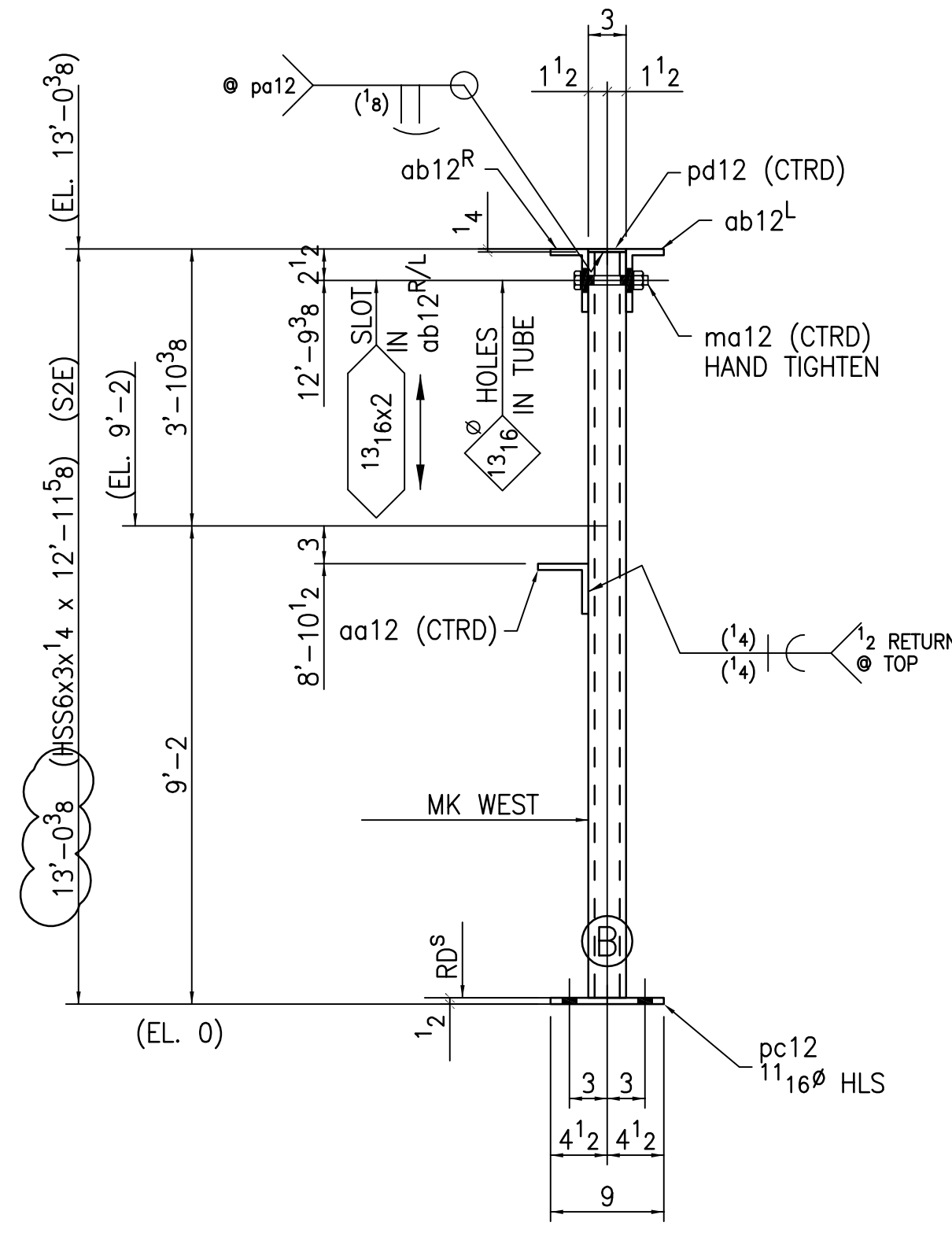
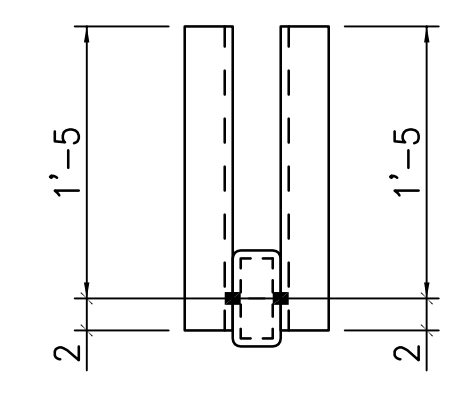
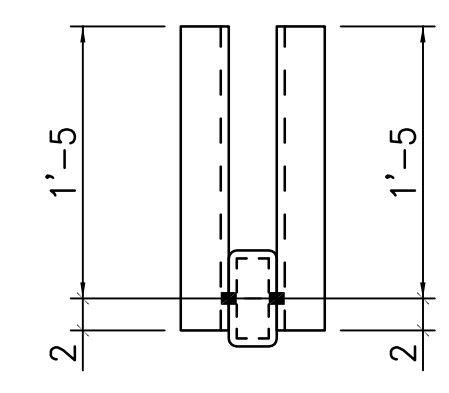
SECTION 1  
13/S3.1



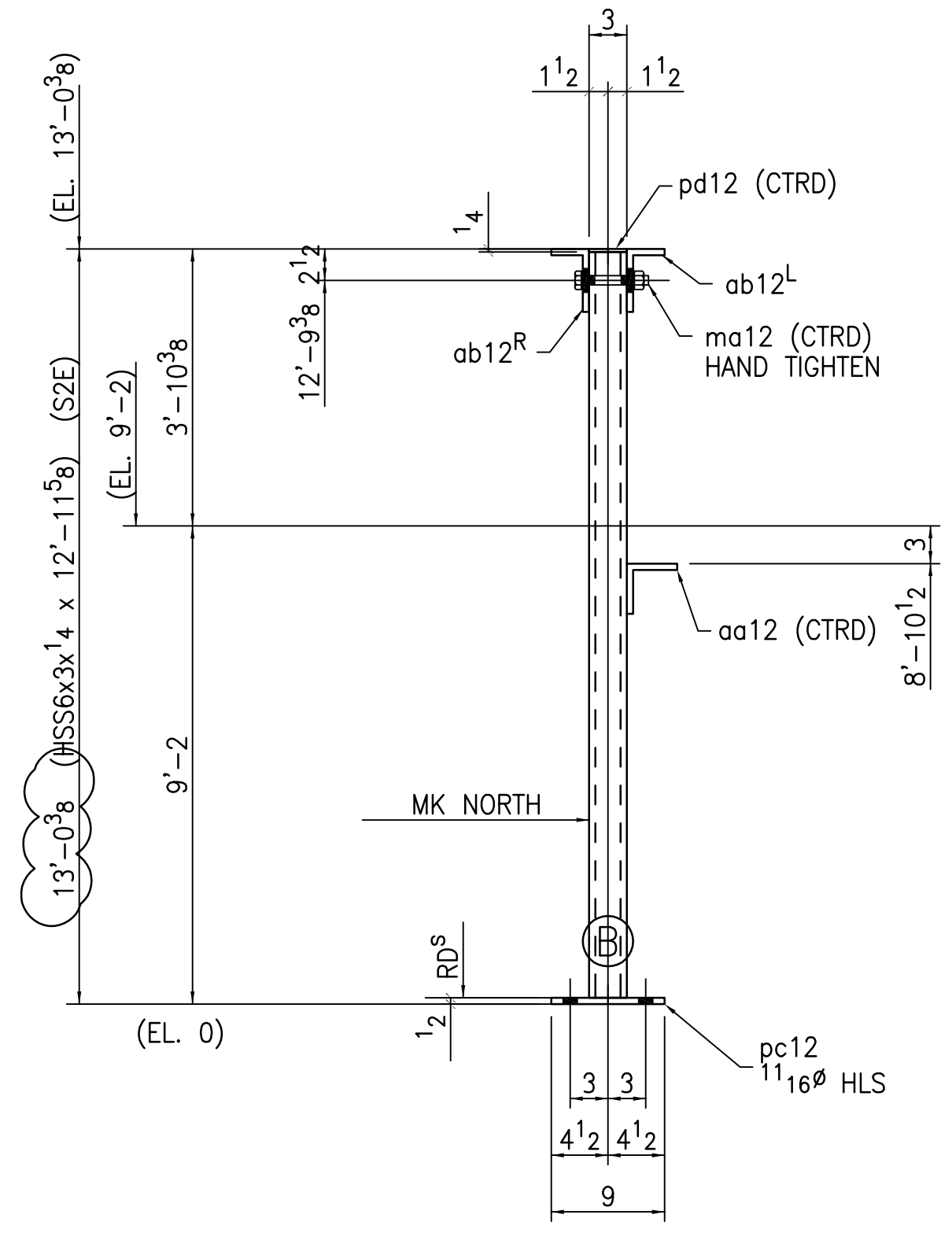
SECT. X

TYP LOUVER FRAMING

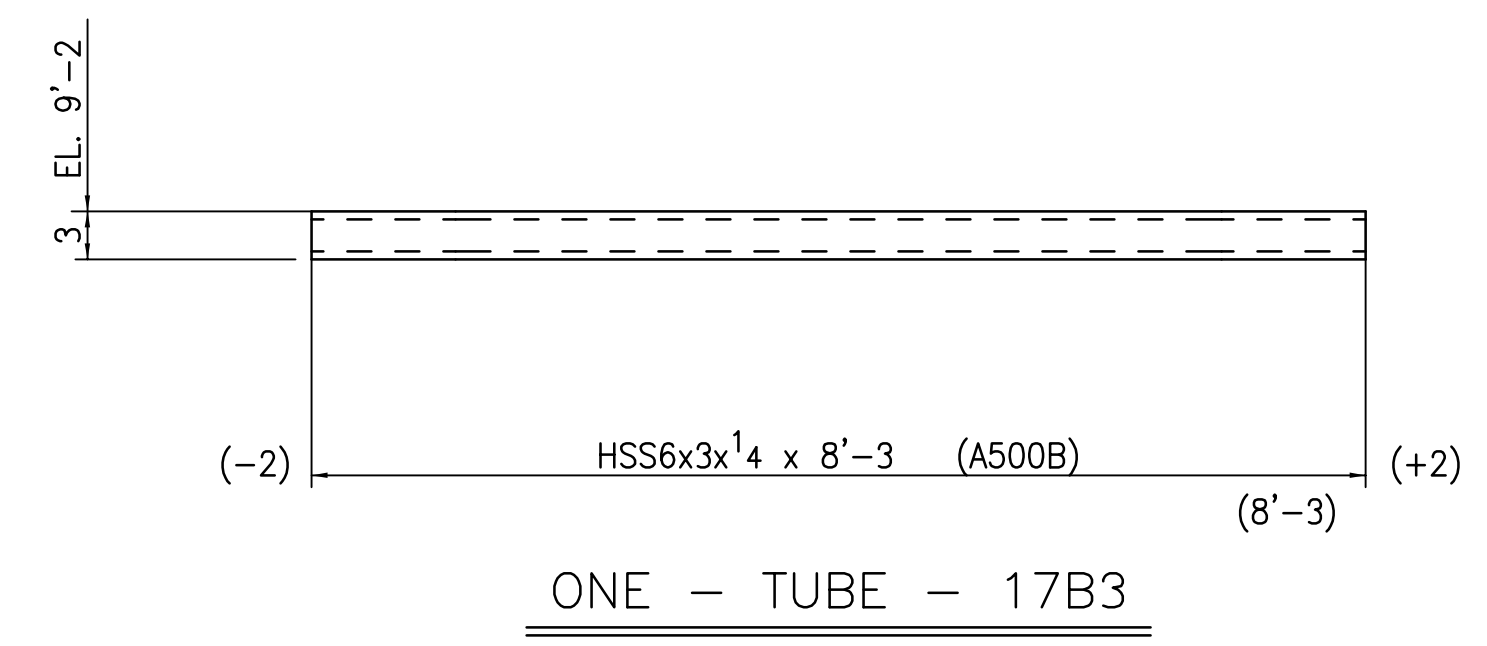
REF: 12/S3.1  
TYPICAL (UNO)



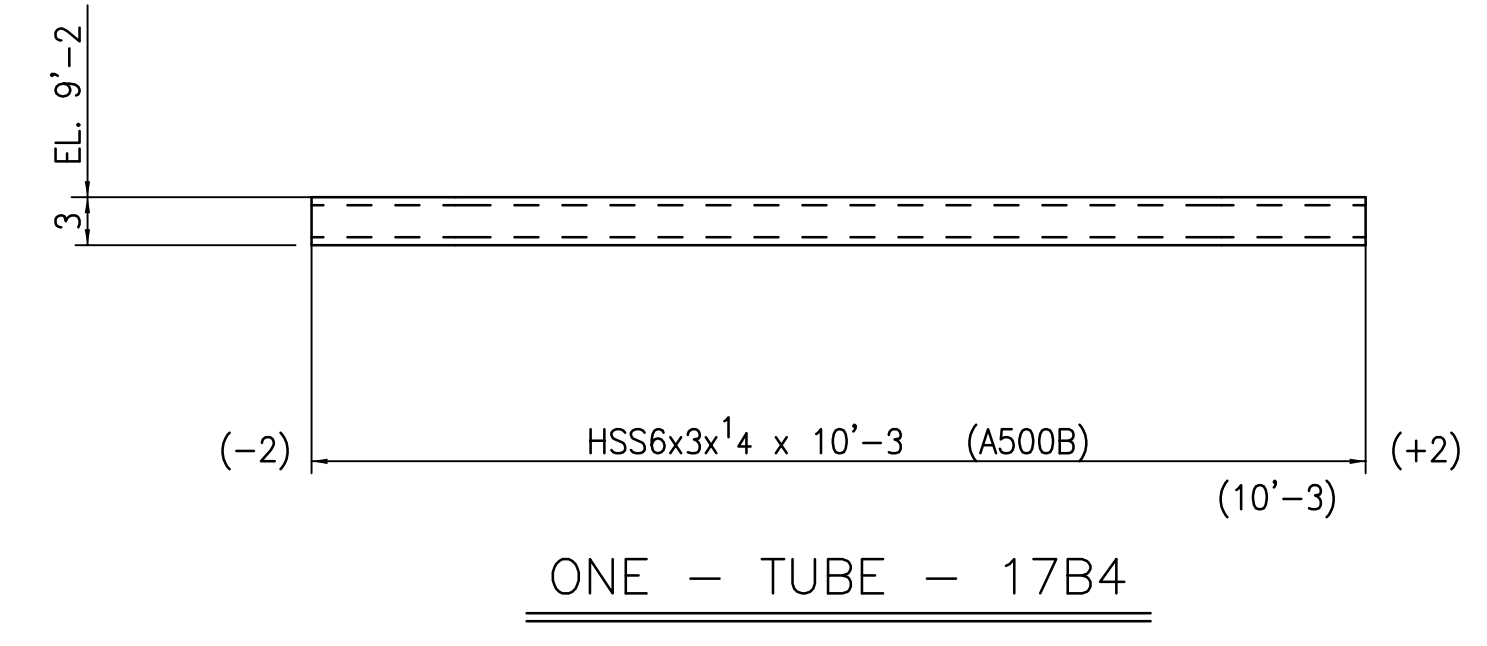
ONE - COLUMN - 17C1



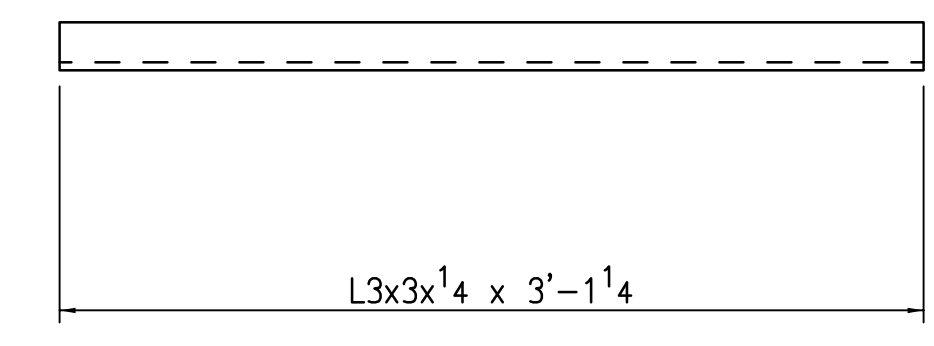
ONE - COLUMN - 17C2



ONE - TUBE - 17B3



ONE - TUBE - 17B4

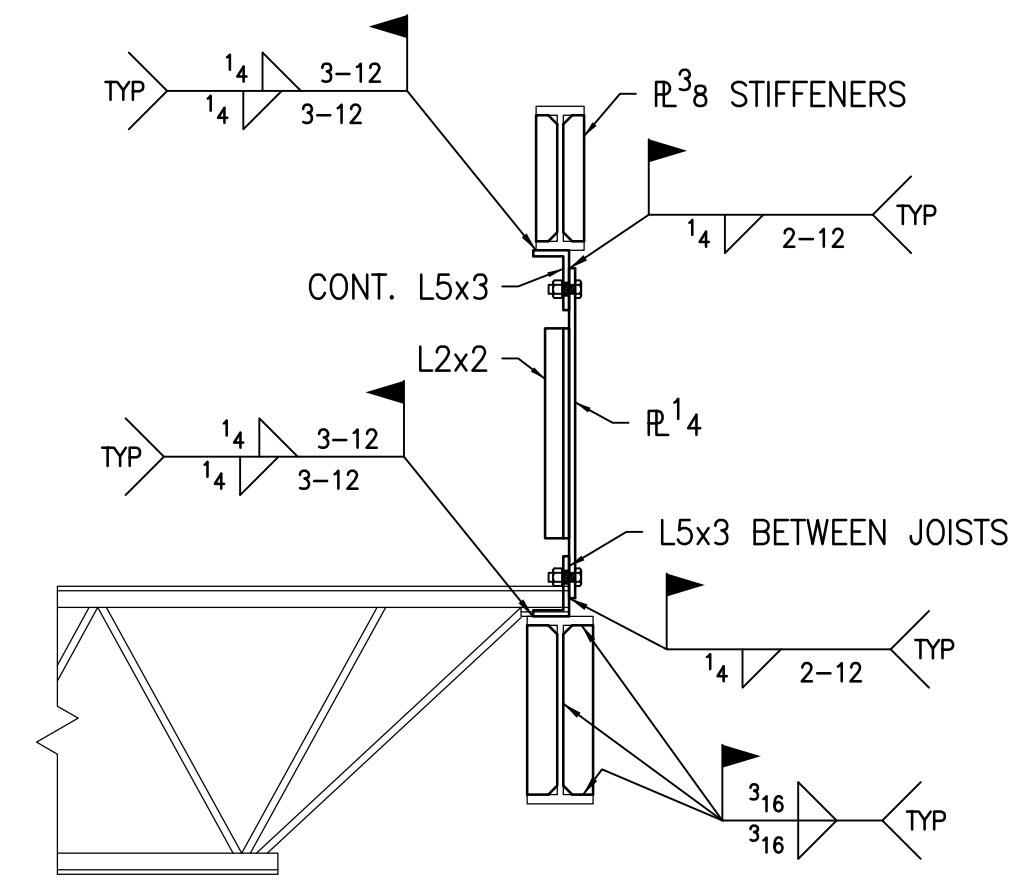
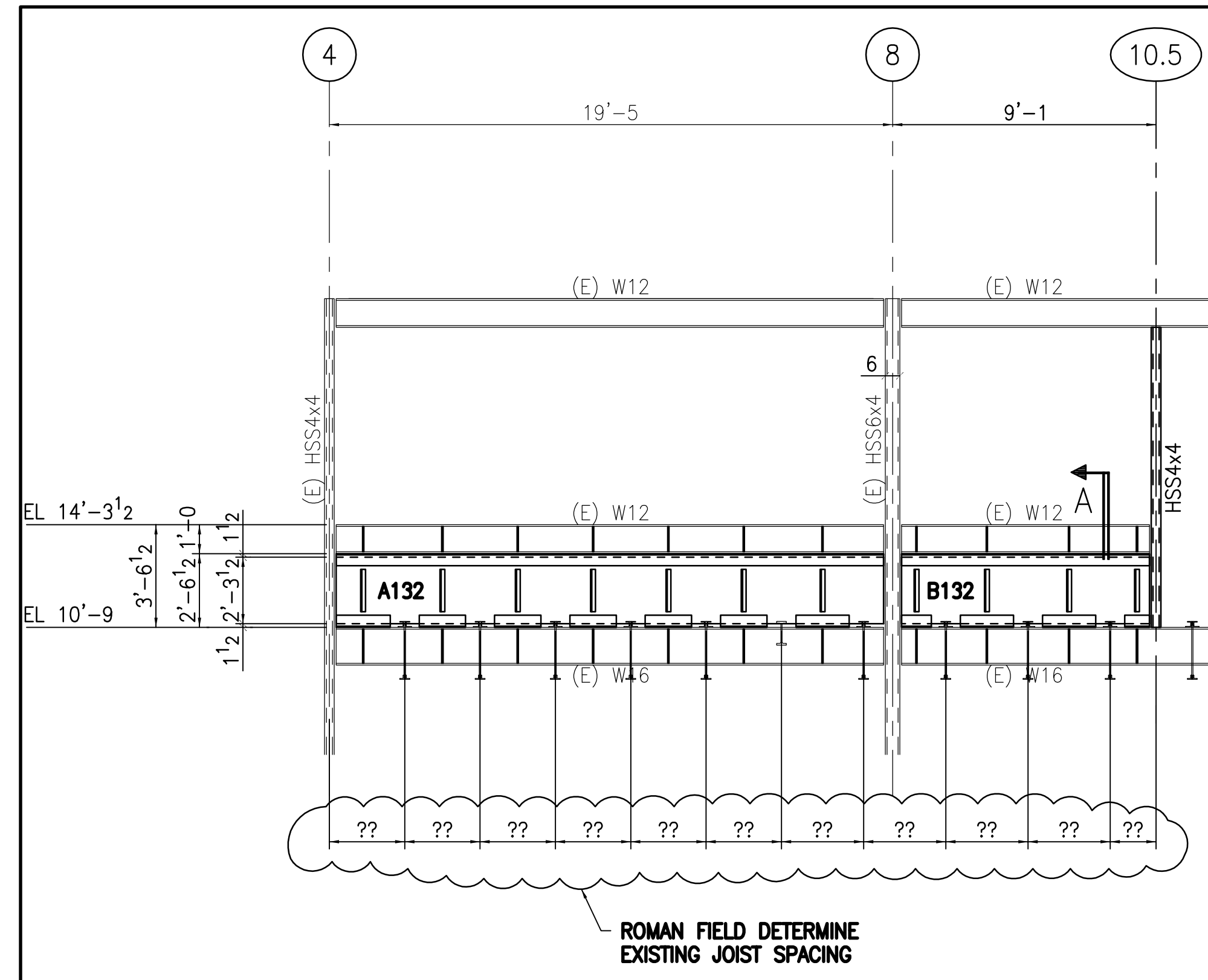


2 - ANGLES - 17M5

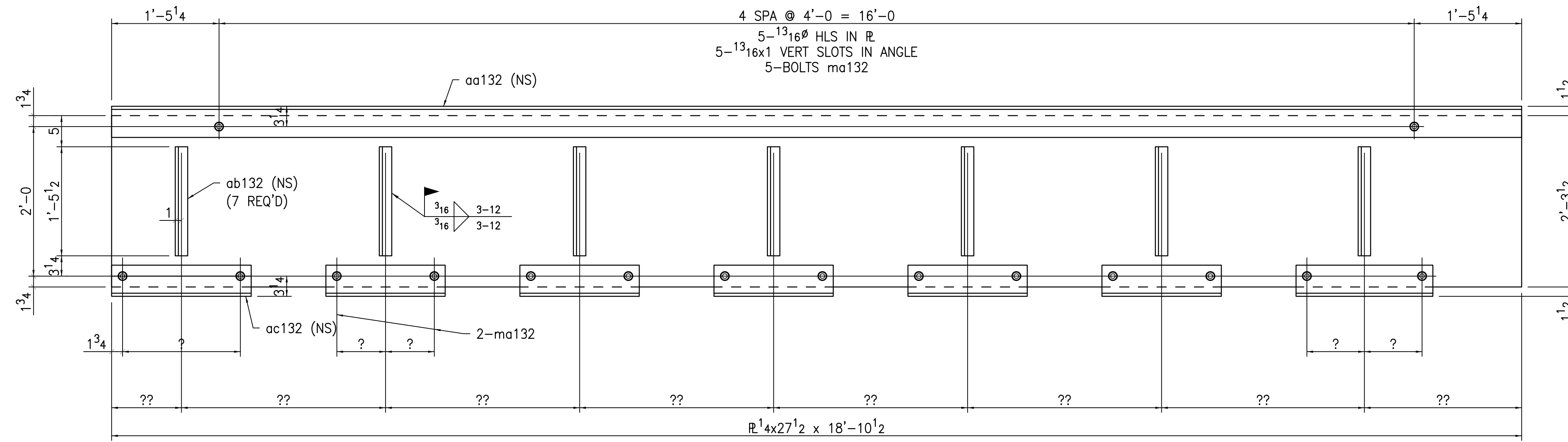
BILL OF MATERIAL						
LINE	MARK	NO	SIZE	LENGTH		REMARKS
				FT	IN	
1						
2						
3						
4	17C1	ONE	HSS6x3x1/4	12	11 5/8	(S2E) A500E
5	pc12	ONE	R12x6	0	9	
6	pd12	ONE	R14x3	0	6	
7	aa12	ONE	L4x4x3/8	0	6	
8	ab12R/L	2	L5x3x3/8	1	7	1R-1L
9	ma12	ONE	3/4 A307	0	5 1/4	NUT & 2-WSH
10						
11						
12						
13						
14	17C2	ONE	HSS6x3x1/4	12	11 5/8	(S2E) A500E
15	pc12	ONE	R12x6	0	9	
16	pd12	ONE	R14x3	0	6	
17	aa12	ONE	L4x4x3/8	0	6	
18	ab12R/L	2	L5x3x3/8	1	7	1R-1L
19	ma12	ONE	3/4 A307	0	5 1/4	NUT & 2-WSH
20						
21						
22						
23						
24	17B3	ONE	HSS6x3x1/4	8	3	A500E
25						
26						
27						
28						
29	17B4	ONE	HSS6x3x1/4	10	3	A500E
30						
31						
32						
33						
34	17M5	2	L3x3x1/4	3	1 1/4	
35						
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FIELD BOLTS

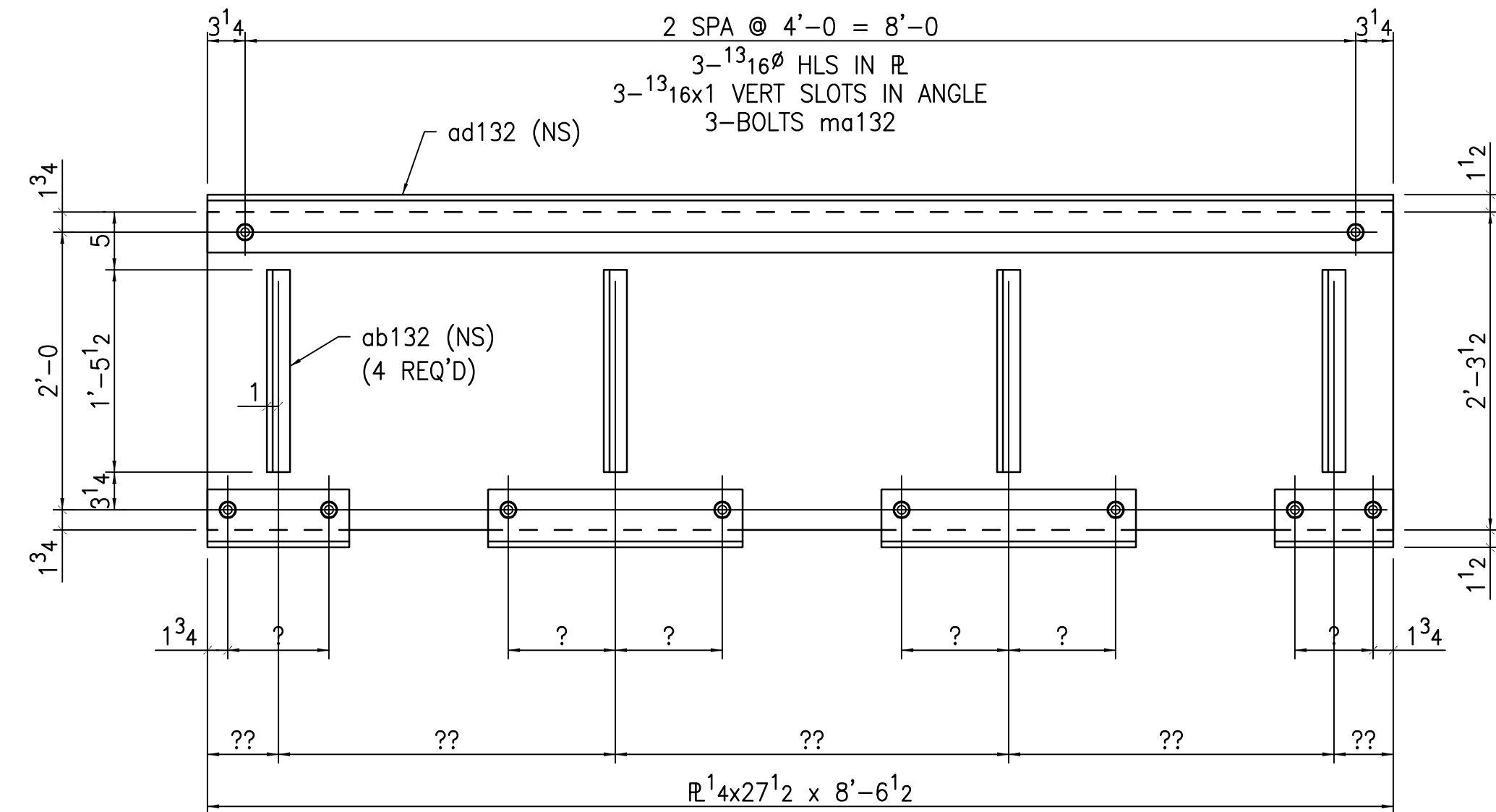
PAINT	1-S.C. RED OXIDE	
MATERIAL	A36 TYP (UNO)	
HOLE	13/16 TYP (UNO)	
ELECTRODES	E70LH	
DIAG. REF #		
NO	DATE	DESCRIPTION
REVISIONS		



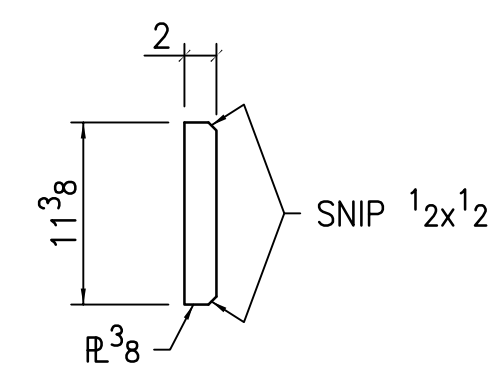
SECT. A



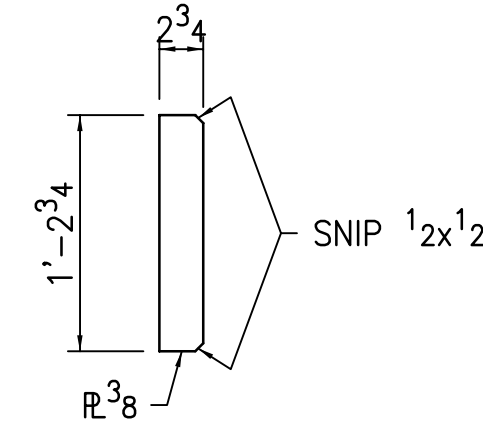
ONE - ASSEMBLY - A132



ONE - ASSEMBLY - B132



22 - RATES - D132



22 - RATES - F132

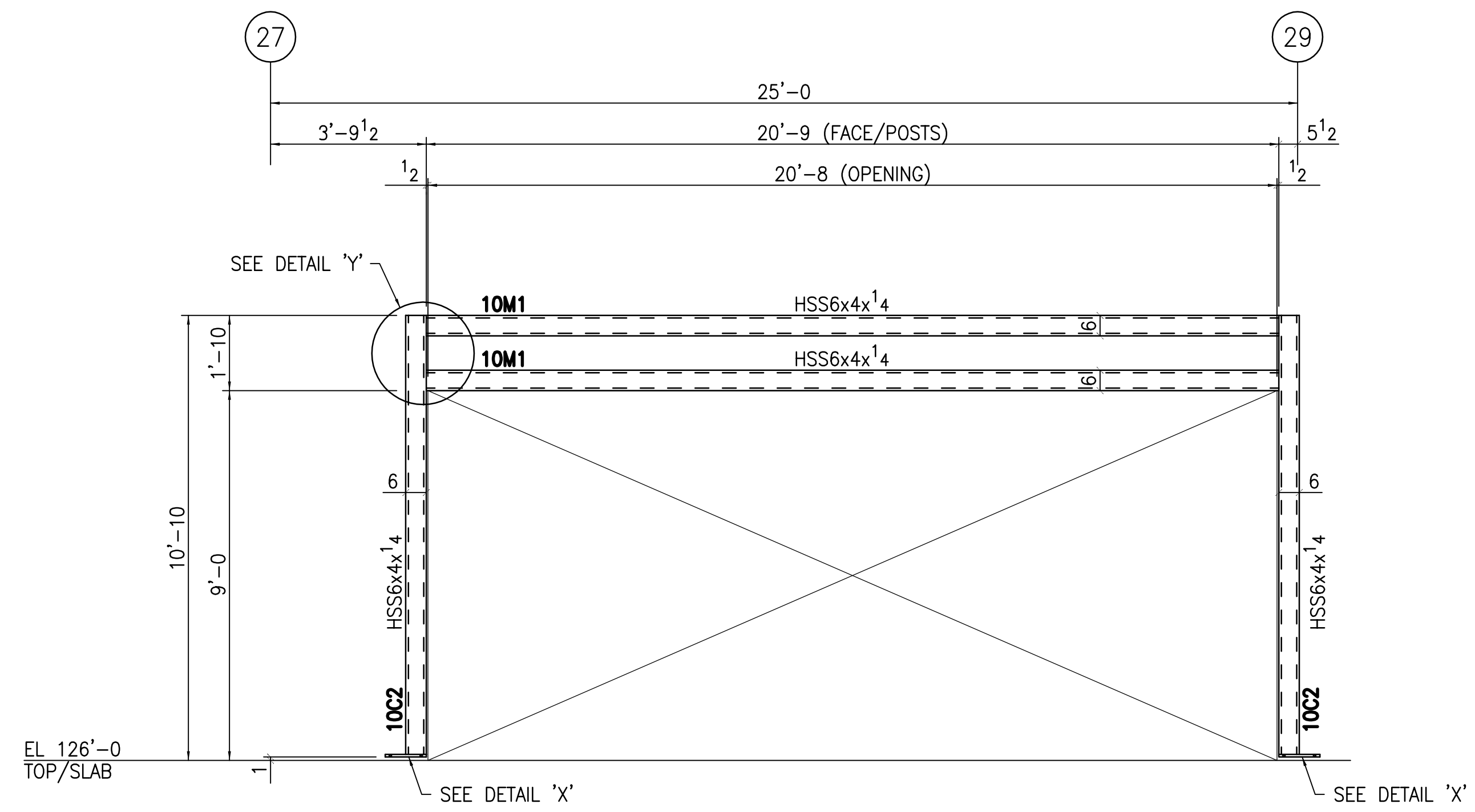
BILL OF MATERIAL							
LINE	MARK	QUAN	MARK	SHAPE	FEET/INCHES	WEIGHT	REMARKS
1							
2							
3							
4	A132	ONE		R1/4x27 1/2	18 10 1/2	441.20	
5		ONE	aa132	L5x3x1/4	18 10 1/2	124.58	
6		7	ab132	L2x2x1/4	1 5 1/2	32.56	
7		ONE	ac132	L5x3x1/4	? ?		
8							
9							
10							
11							
12	B132	ONE		R1/4x27 1/2	8 6 1/2	199.66	
13		ONE	ad132	L5x3x1/4	8 6 1/2	56.38	
14		4	ab132	L2x2x1/4	1 5 1/2	18.61	
15		ONE	af132	L5x3x1/4	? ?		
16							
17							
18							
19							
20	D132	22		R3/8x2	0 11 3/8	53.18	
21							
22							
23							
24							
25	F132	22		R3/8x2 3/4	1 2 3/4	94.81	
26							
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57							

SPEC: W - A992  
 TS, HSS - A500B  
 PIPE - A53B  
 L, R, FB, C, MC - A36

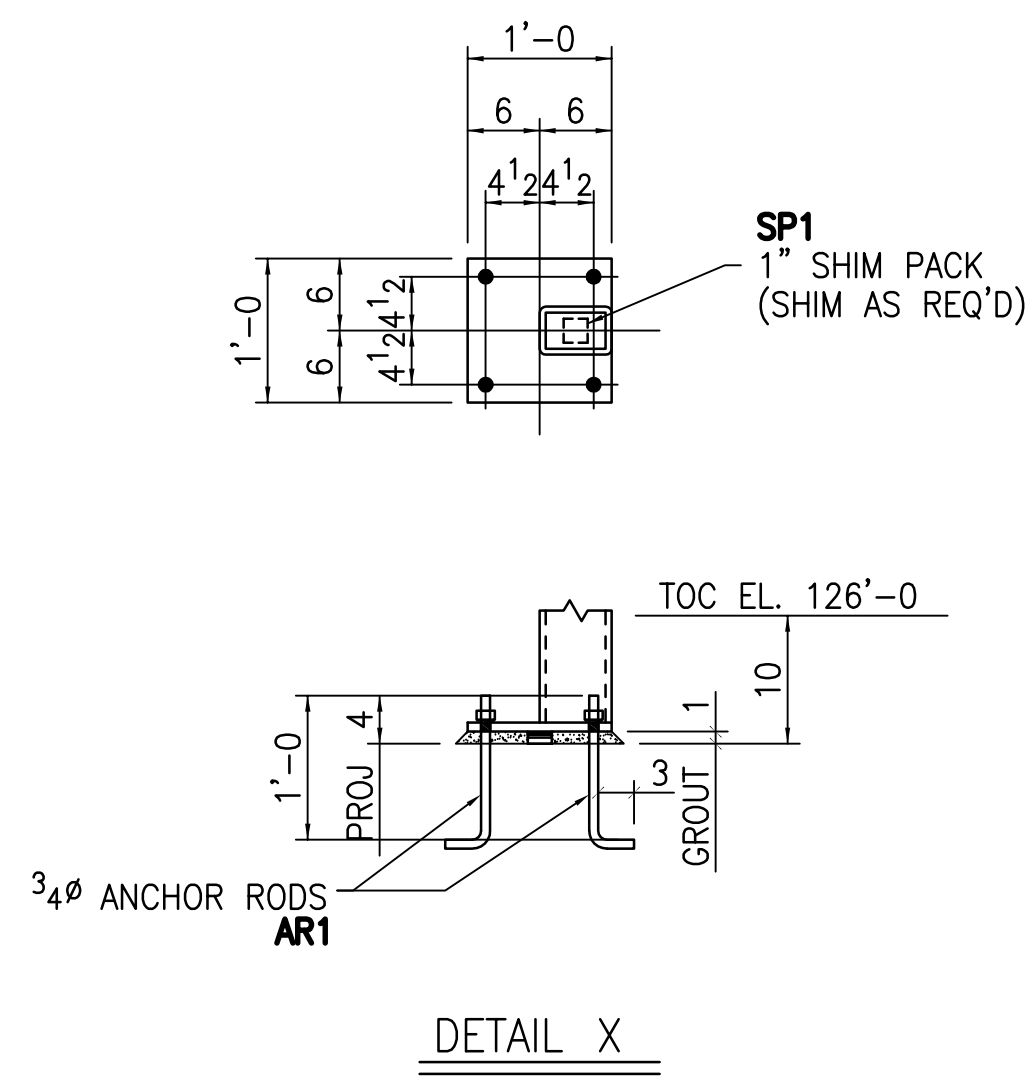
WELDING: E70LH  
 HOLES: 13/16" TYP (UNO)  
 FINISH: PAINT NOTE  
 PAINT NOTE (CONT.)

DATE:	2.15.12	ISSUE:	FOR APP'L	DRAWN:	JST	JOB NO.	0000
1		2		3		DRAWING NO.	132
2		3		4			

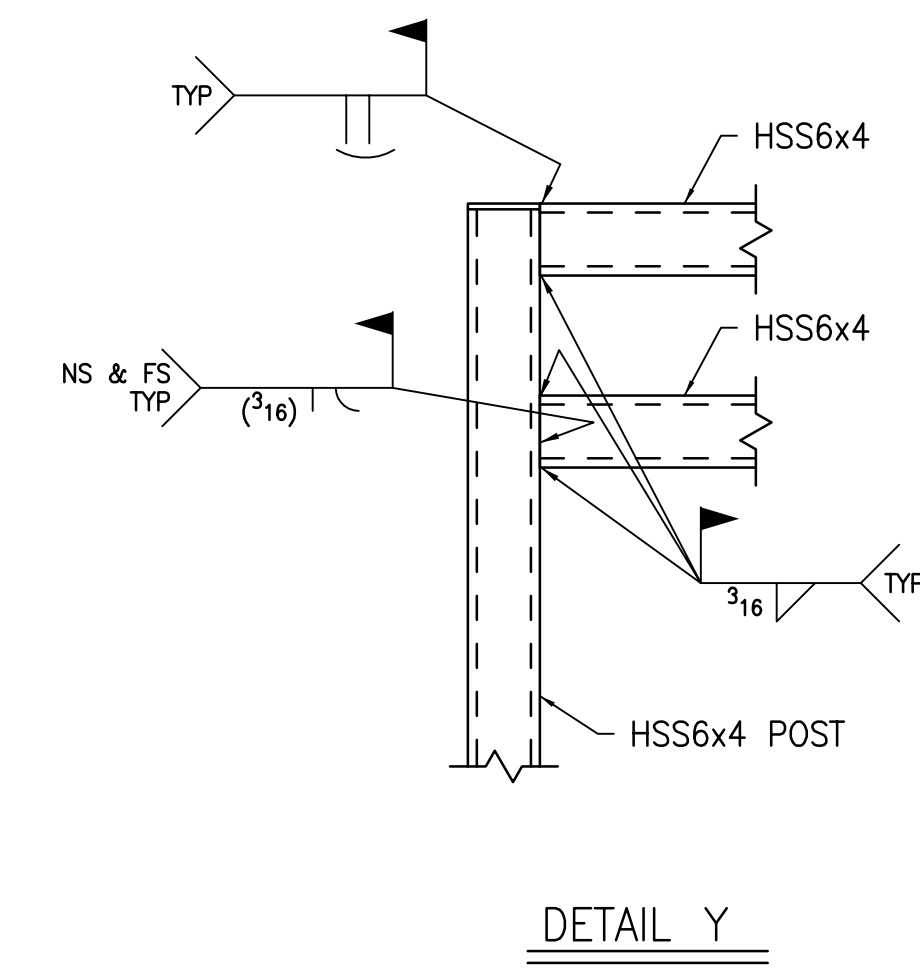




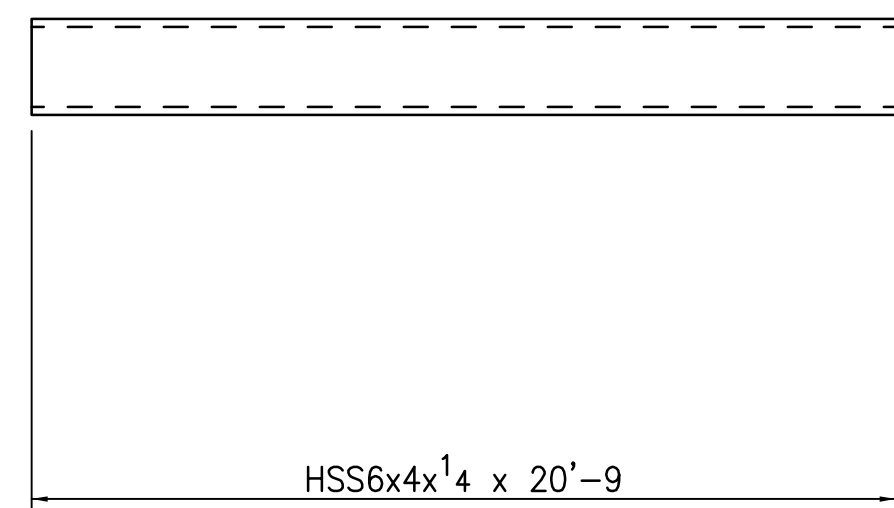
ELEVATION @ GARAGE DOOR  
REF: 8/S2.2



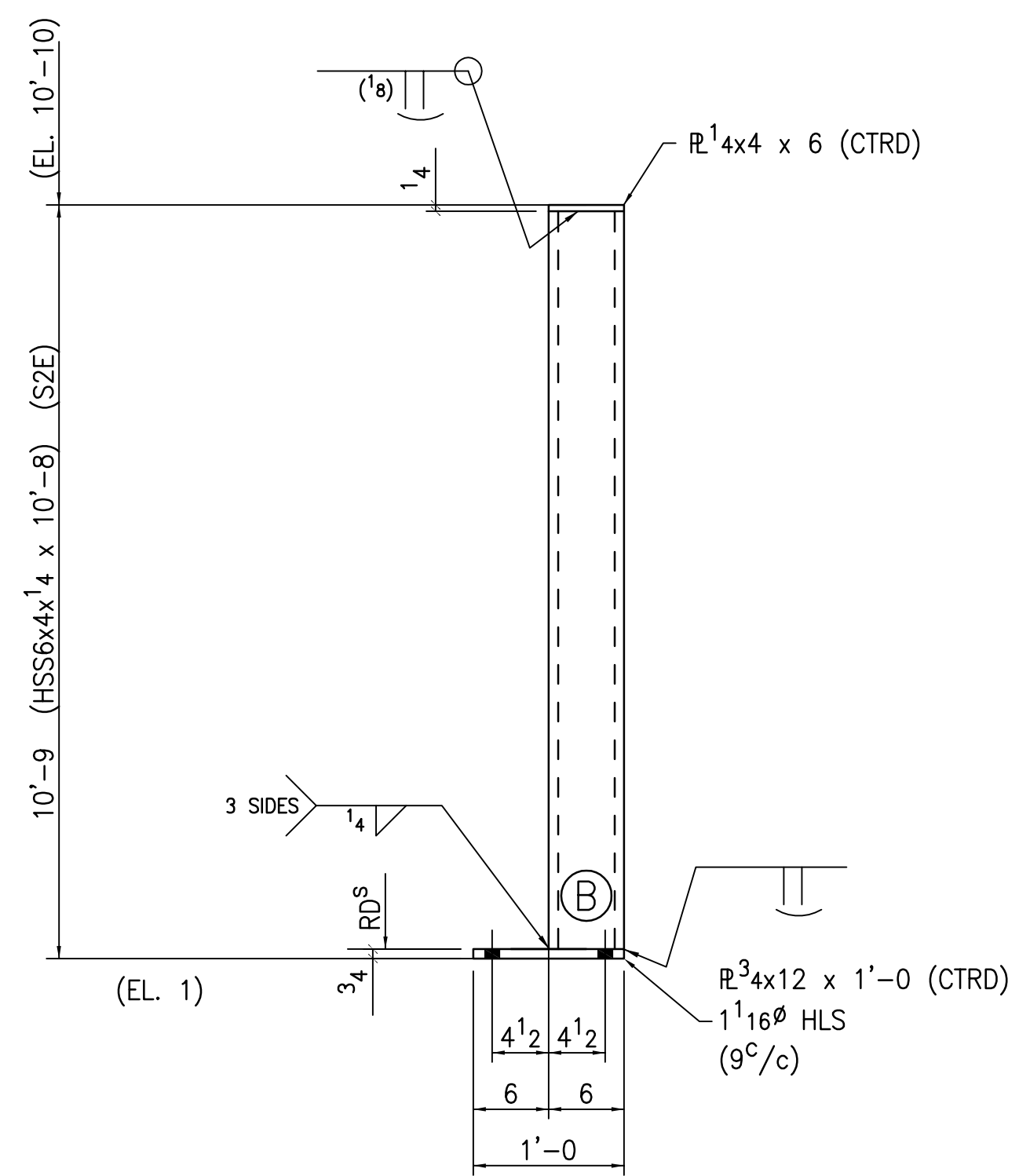
DETAIL X



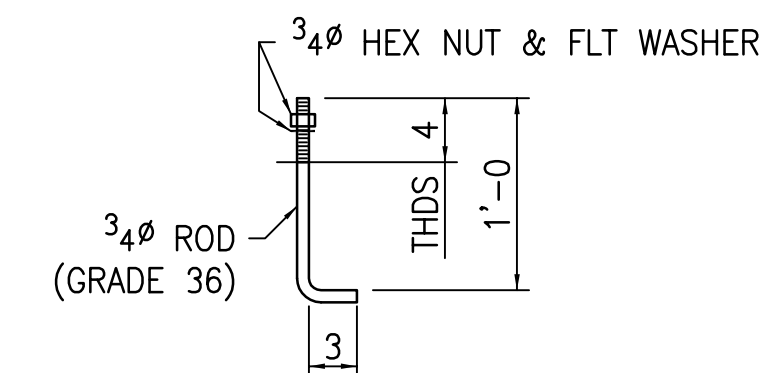
DETAIL Y



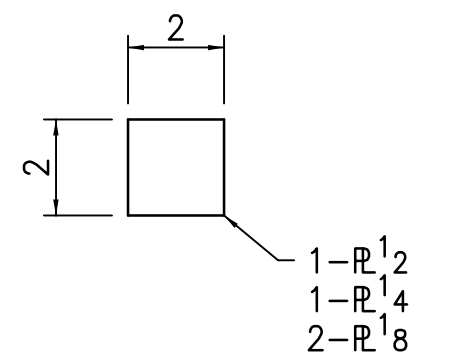
2 - TUBES - 10M1



2 - COLUMNS - 10C2



8 - ANCHOR RODS AR1



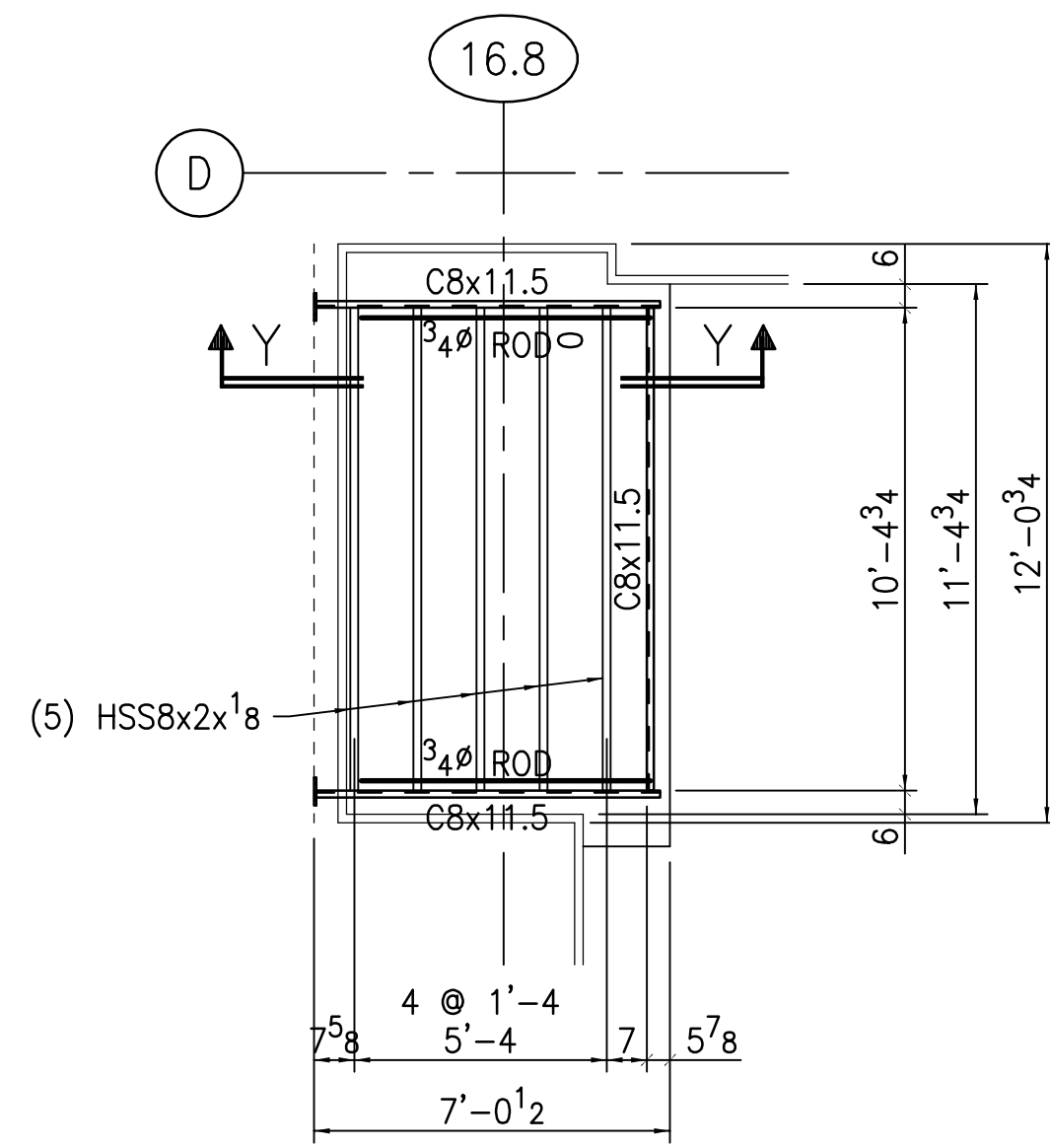
2 - SHIM PACKS SP1

SPEC: W - A992 TS, HSS - A500B PIPE - A53B L, R, FB, C, MC - A36			
WELDING: E70LH			
HOLES: 1 3/16" TYP (UNO)			
FINISH: SSPC-SP2			
1-S/C SHERWIN WILLIAMS KEM BOND HS (GRAY) B50AZ8 UNIVERSAL METAL PRIMER 2.0 MIL DFT			

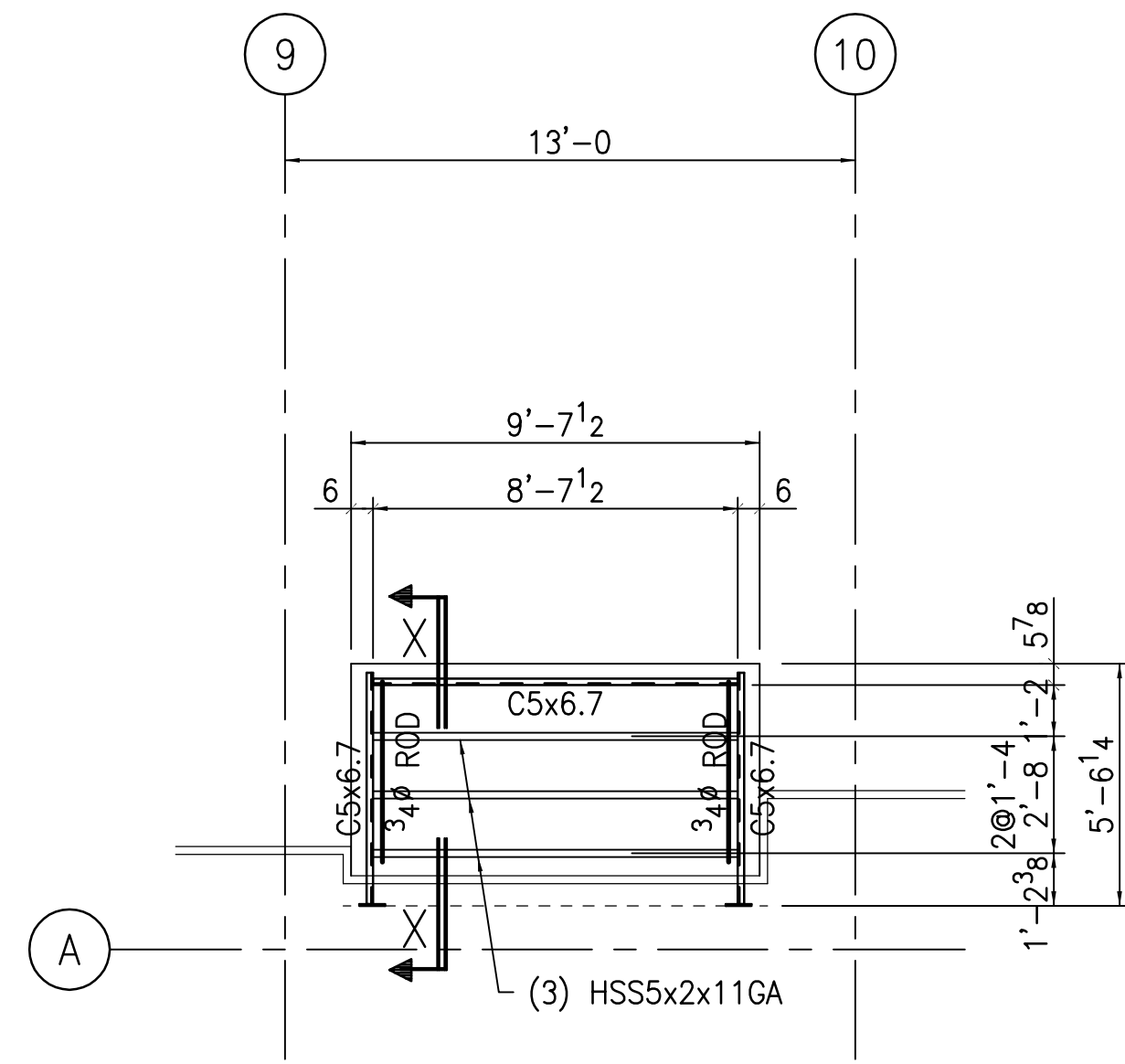
DATE:	ISSUE:	DRAWN:	JOB NO.
4.23.14	FOR APP'L	JST	
1 8.22.14	REVISE & RESUBMIT		
2 9.22.14	REVISE & RESUBMIT		
3 10.7.14	REVISE BASE R/T EL		
4			

DRAWING NO.  
**M10**

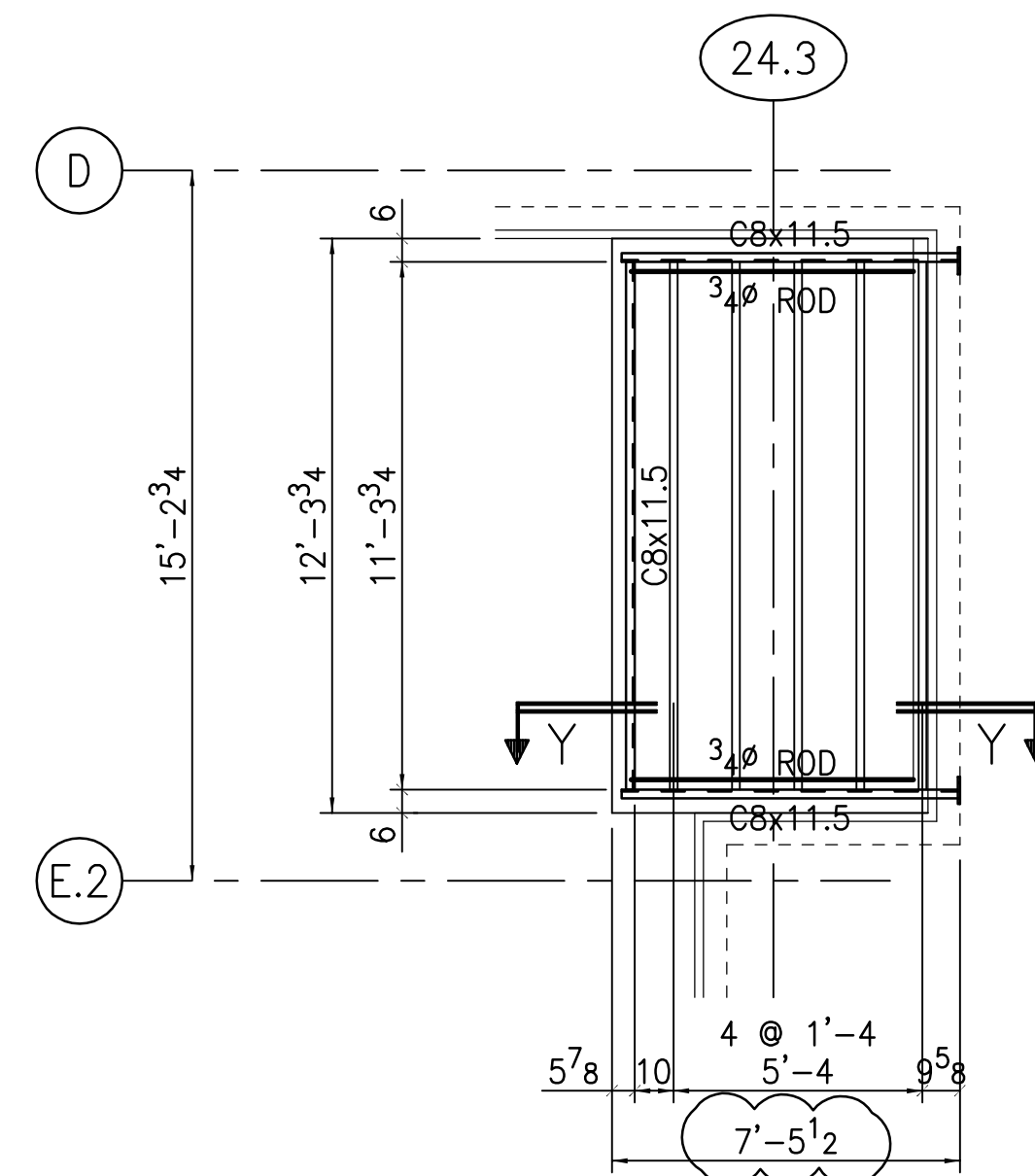




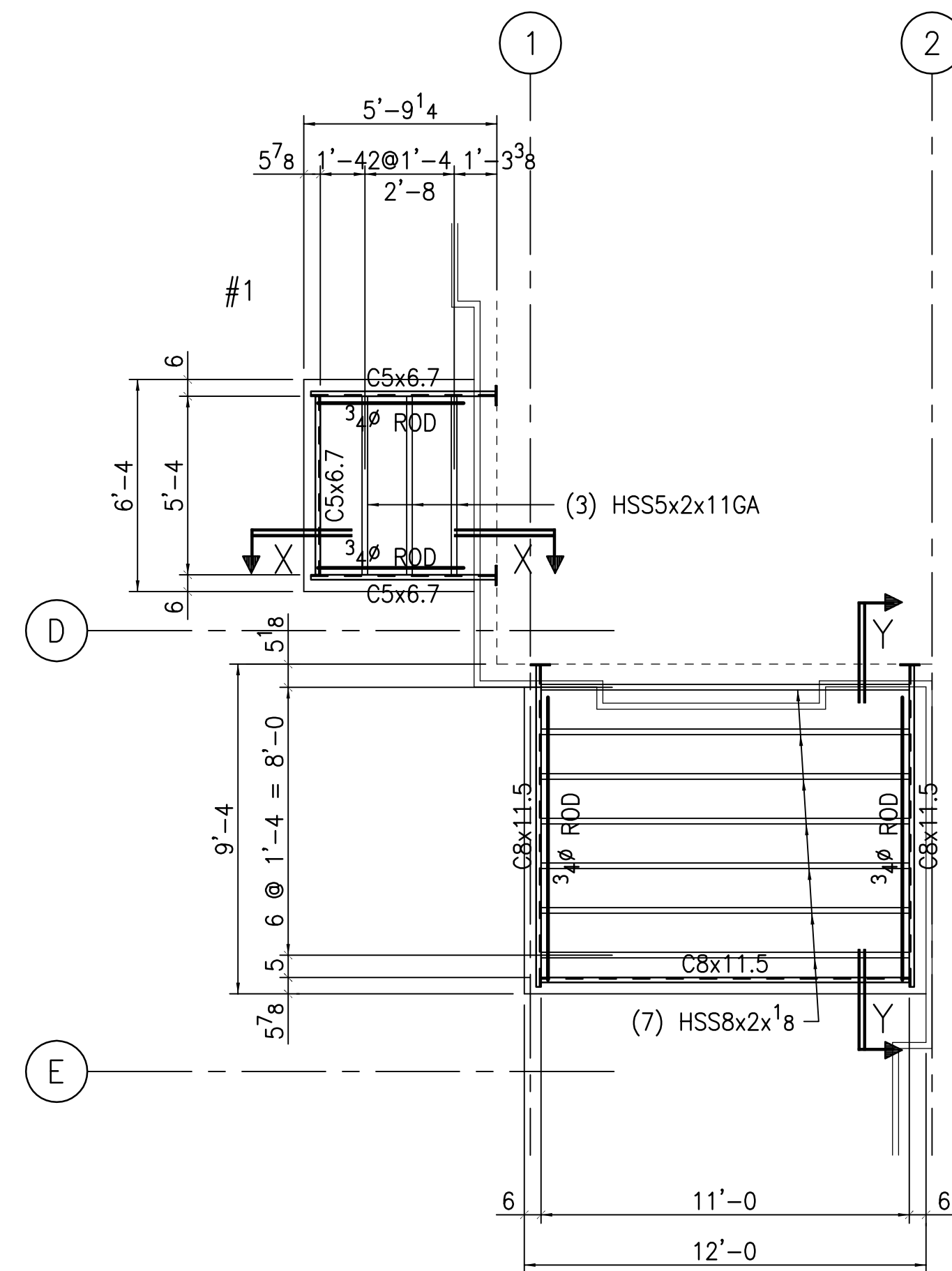
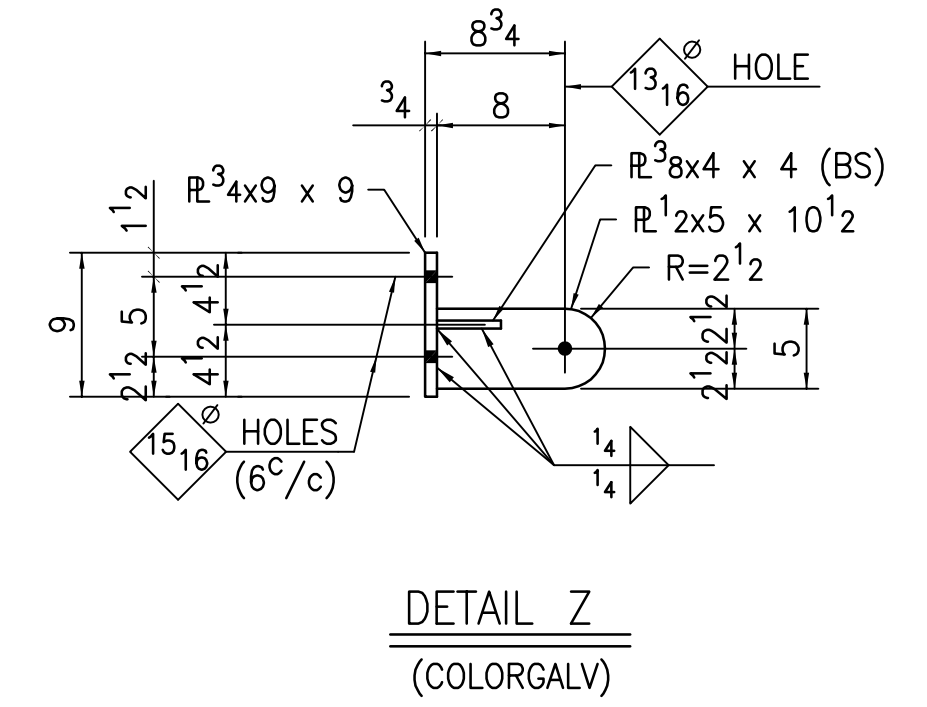
CANOPY PLAN @ DOOR EX-126B  
#3 IN DESIGN CALCULATIONS



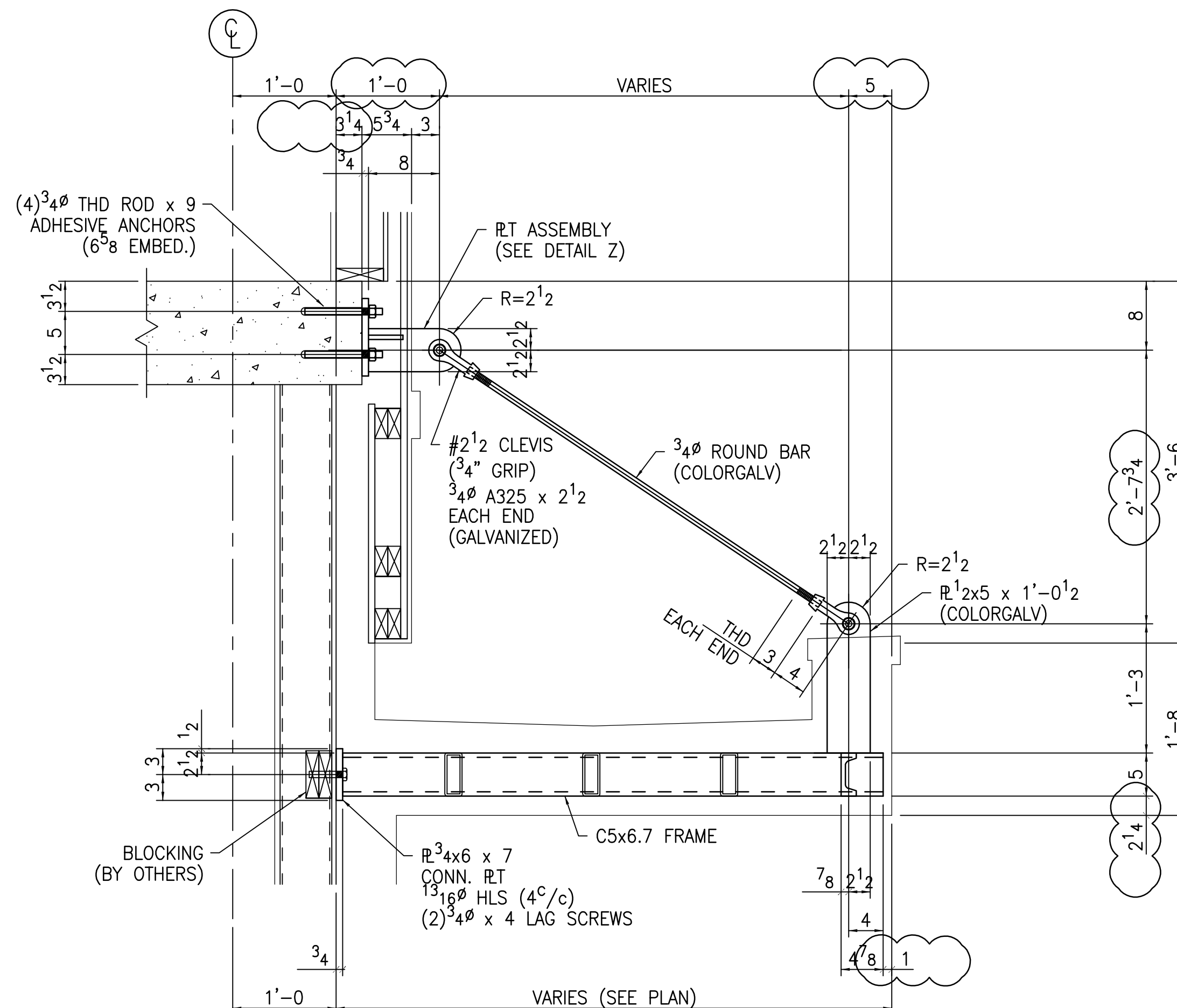
CANOPY PLAN @ STAIR 7  
#4 IN DESIGN CALCULATIONS



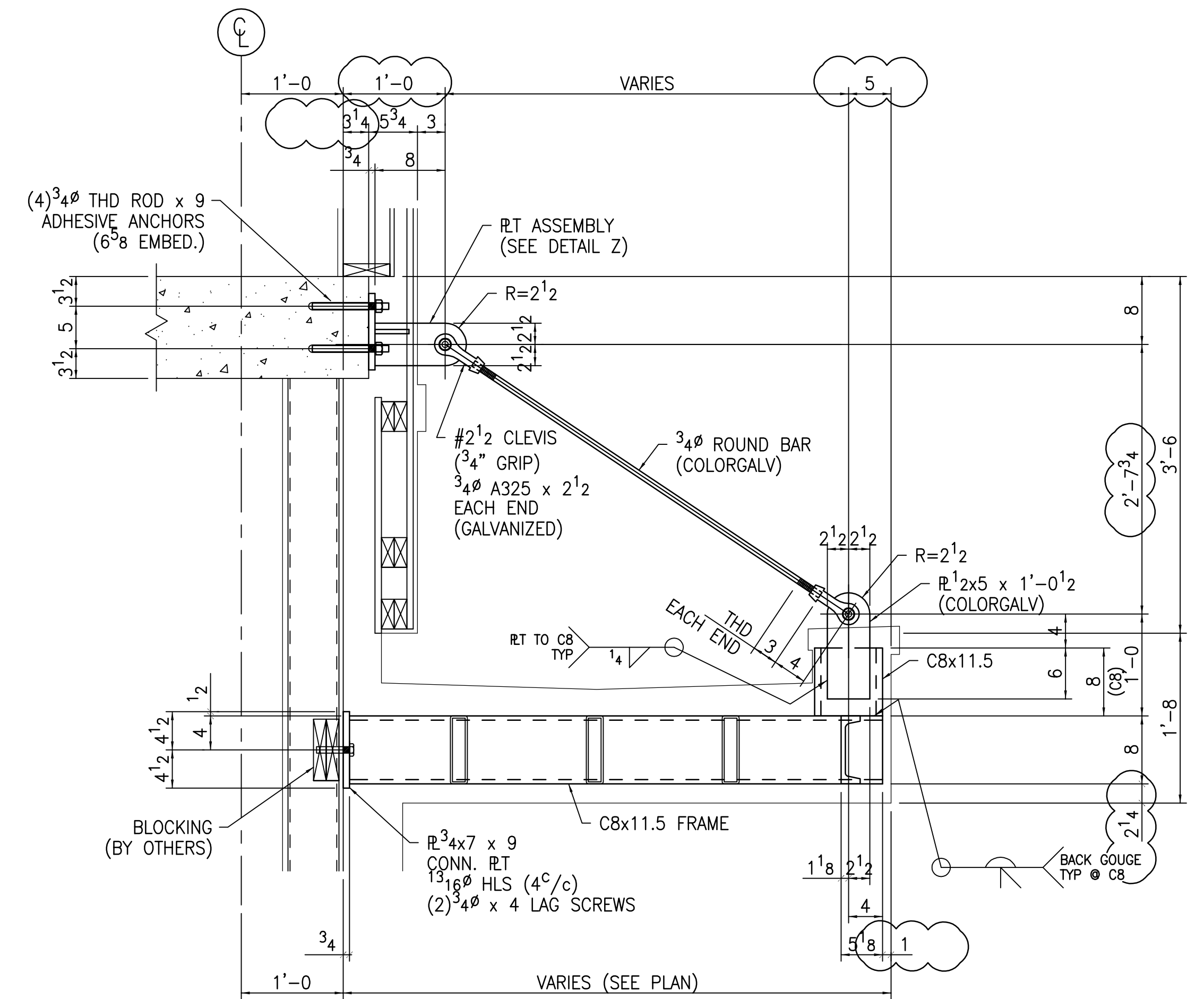
CANOPY PLAN @ DOOR EX-147



CANOPY PLAN @ STAIR 5 & LOADING DOCK  
#S 1 & 2 IN DESIGN CALCULATIONS



SECT. X-X  
31/A5.54



SECT. Y-Y  
31/A5.54

SPEC: W - A992  
TS, HSS - A500B  
PIPE - A53B  
L, R, FB, C, MC - A36

WELDING: E70LH

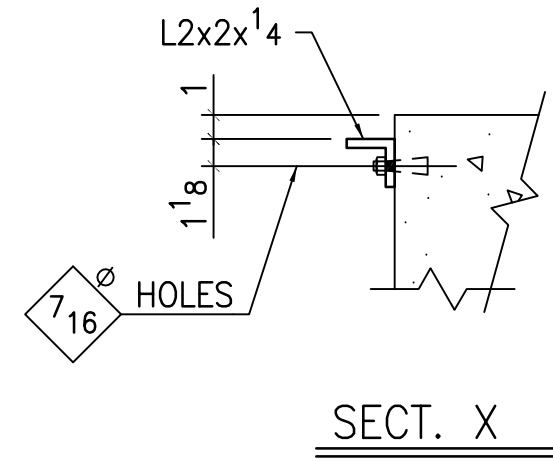
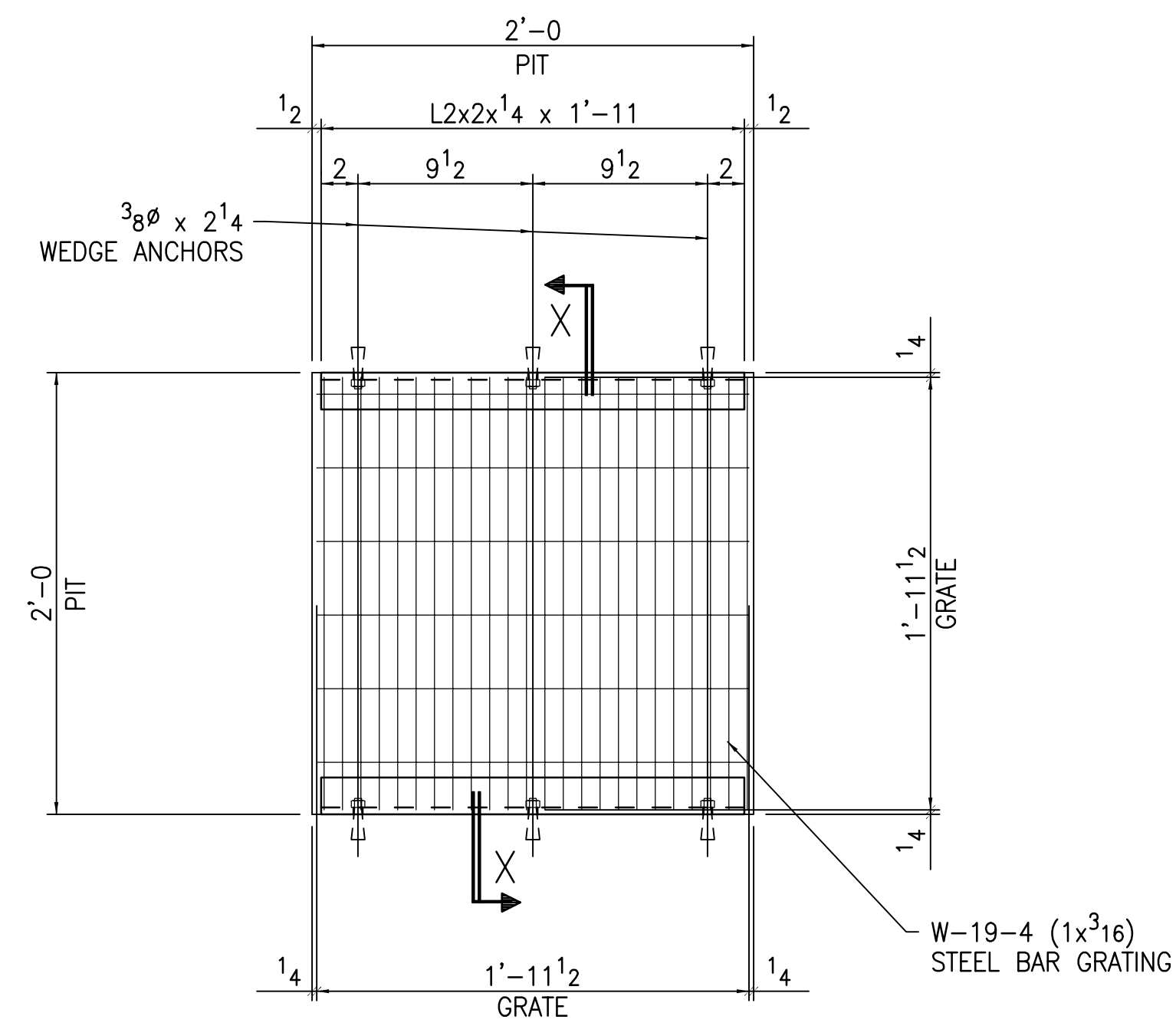
HOLES: 13/16\"/>

FINISH: SSPC-SP2

1-S/C SHERWIN WILLIAMS  
KEM BOND HS (GRAY) B50AZ8  
UNIVERSAL METAL PRIMER  
2.0 MIL DFT  
UNLESS NOTED OTHERWISE

DATE:	ISSUE:	DRAWN:	JOB NO.
6.13.14	FOR APP'L	JST	
1 10.9.14	REVISE & RESUBMIT		
2 10.31.14	ADD CANOPY EX-147		
3			
4			

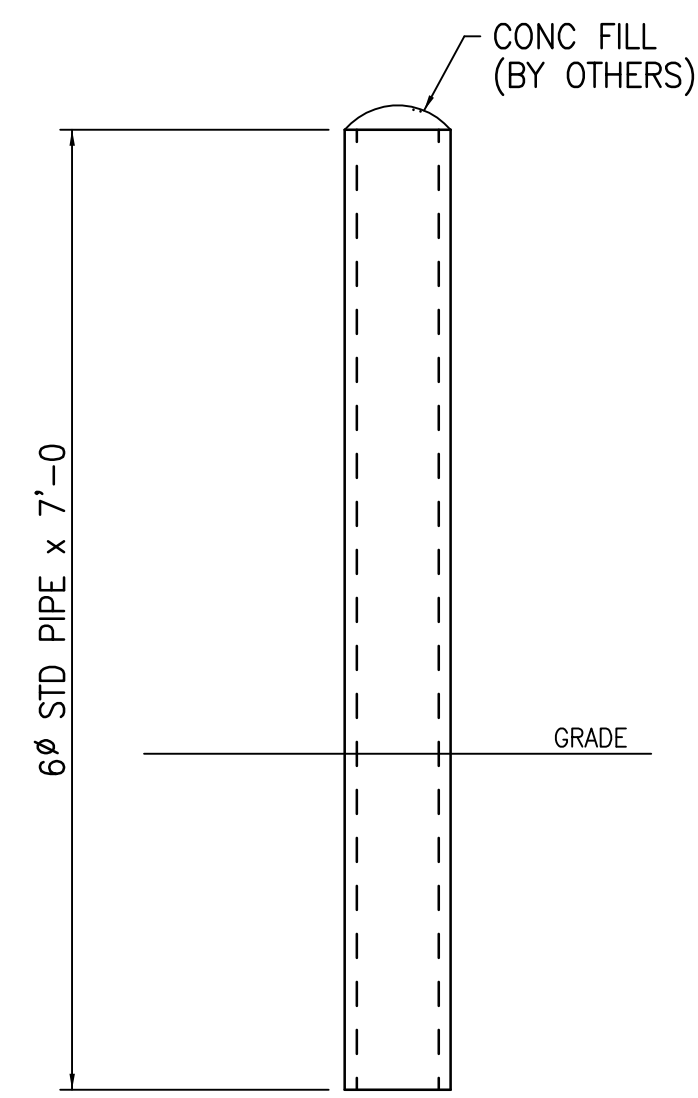
M12



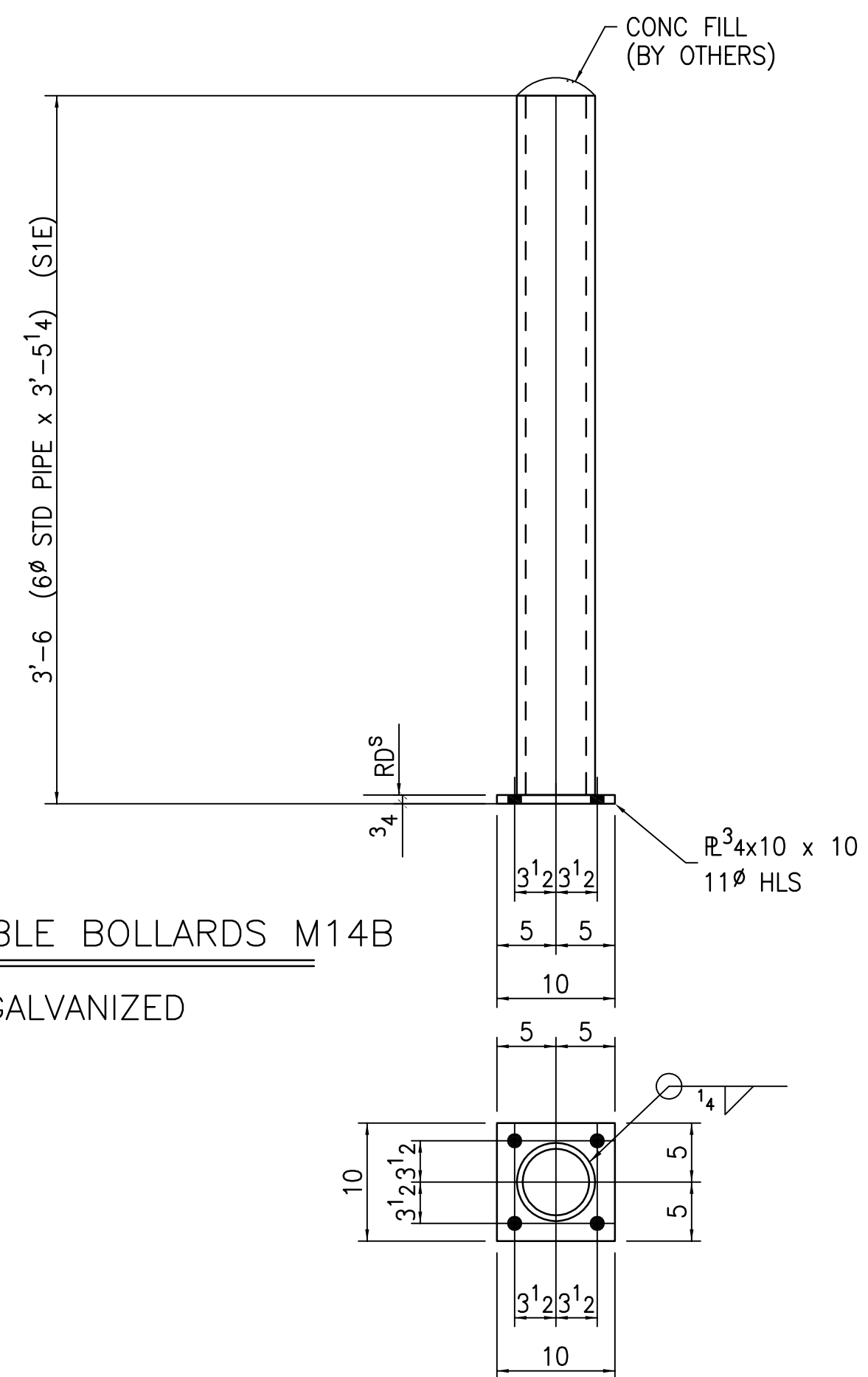
PLAN @ ELEVATOR SUMP PIT  
NOTE

SPEC: W - A992 TS, HSS - A500B PIPE - A53B L, R, FB, C, MC - A36			
WELDING: E70LH			
HOLES: 7/16" TYP (UNO)			
FINISH: SSPC-SP2			
1-S/C SHERWIN WILLIAMS KEM BOND HS (GRAY) B50AZ8 UNIVERSAL METAL PRIMER 2.0 MIL DFT			
DATE:	ISSUE:	DRAWN:	JOB NO.
6.24.14	FOR APP'L	JUST	
1	8.15.14	FOR SHOP/FIELD USE	DRAWING NO.
2			
3			
4			

**M13**



9 PIPE BOLLARDS M14A  
GALVANIZED

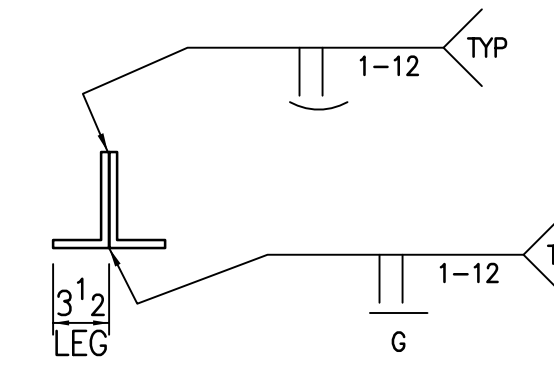


13 REMOVABLE BOLLARDS M14B  
GALVANIZED

SPEC: W - A992 TS, HSS - A500B PIPE - A53B L, R, FB, C, MC - A36			
WELDING: E70LH			
HOLES: 13/16" TYP (UNO)			
FINISH:			
GALVANIZED TOUCH UP WELDS & COAT CAPS W/GALVANIZING REPAIR PAINT			
DATE:	ISSUE:	DRAWN:	JOB NO.
6.24.14	FOR APP'L	JUST	
1	8.15.14	FOR SHOP/FIELD USE	DRAWING NO.
2			
3			
4			

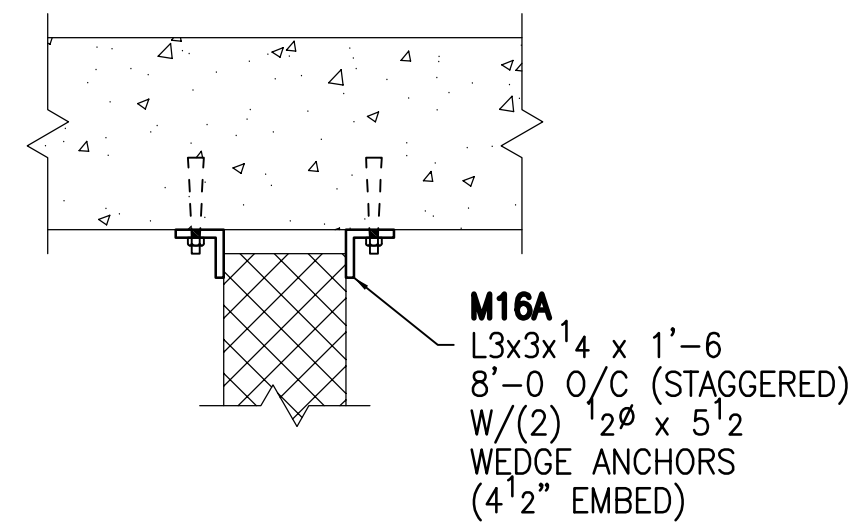
**M14**

LOOSE LINTEL SCHEDULE				
QUAN.	DESCRIPTION	MARK	LOCATION	OPENING
10	JL4x3 <sup>1</sup> / <sub>2</sub> x <sup>5</sup> / <sub>16</sub> x 4'-8	L1	DOORS: 018A, 018B, 019A, 015A 011A, 011B, 011C, 013A, 013B, 014A	3'-4
3	JL6x3 <sup>1</sup> / <sub>2</sub> x <sup>3</sup> / <sub>8</sub> x 7'-8	L2	DOORS: 022A, 022B, 016A	6'-4

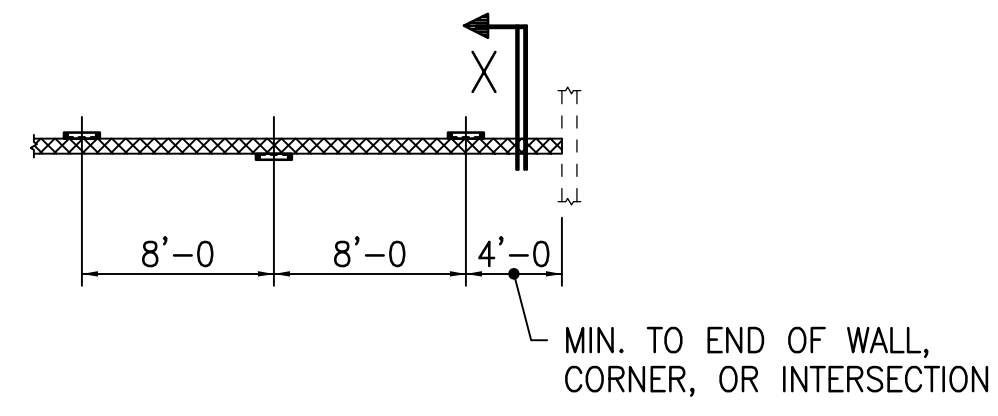


WELDS FOR JL LINTELS

SPEC: W - A992 TS, HSS - A500B PIPE - A53B L, R, FB, C, MC - A36			
WELDING: E70LH			
HOLES: <sup>1</sup> / <sub>16</sub> TYP (UNO)			
FINISH: SSPC-SP2			
1-S/C SHERWIN WILLIAMS KEM BOND HS (GRAY) B50AZ8 UNIVERSAL METAL PRIMER 2.0 MIL DFT			
DATE:	ISSUE:	DRAWN:	JOB NO.
6.24.14	FOR APP'L	JST	
1			DRAWING NO.
2			<b>M15</b>
3			
4			

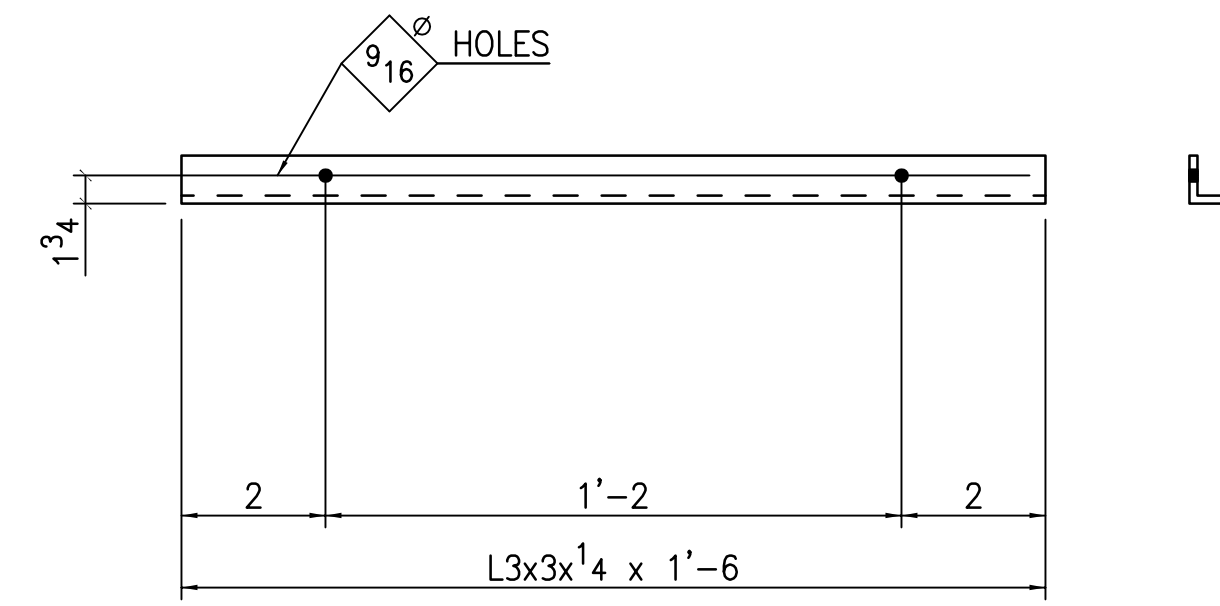


**M16A**  
 L3x3x<sup>1</sup>/<sub>4</sub> x 1'-6"  
 8'-0" O/C (STAGGERED)  
 W/(2) <sup>1</sup>/<sub>2</sub>" x 5'<sup>1</sup>/<sub>2</sub>"  
 WEDGE ANCHORS  
 (4'<sup>1</sup>/<sub>2</sub>" EMBED)



MIN. TO END OF WALL,  
 CORNER, OR INTERSECTION

SECT. X  
 10/S2.4  
 (APPROXIMATELY 380 LINEAR FEET)



60 - ANGLES - M16A

SPEC: W - A992 TS, HSS - A500B PIPE - A53B L, R, FB, C, MC - A36			
WELDING: E70LH			
HOLES: <sup>13</sup> / <sub>16</sub> " TYP (UNO)			
FINISH: SSPC-SP2			
1-S/C SHERWIN WILLIAMS KEM BOND HS (GRAY) B50AZ8 UNIVERSAL METAL PRIMER 2.0 MIL DFT			
DATE:	ISSUE:	DRAWN:	JOB NO.
6.24.14	FOR APP'L	JUST	
1	8.15.14	FOR SHOP/FIELD USE	DRAWING NO.
2			<b>M16</b>
3			
4			