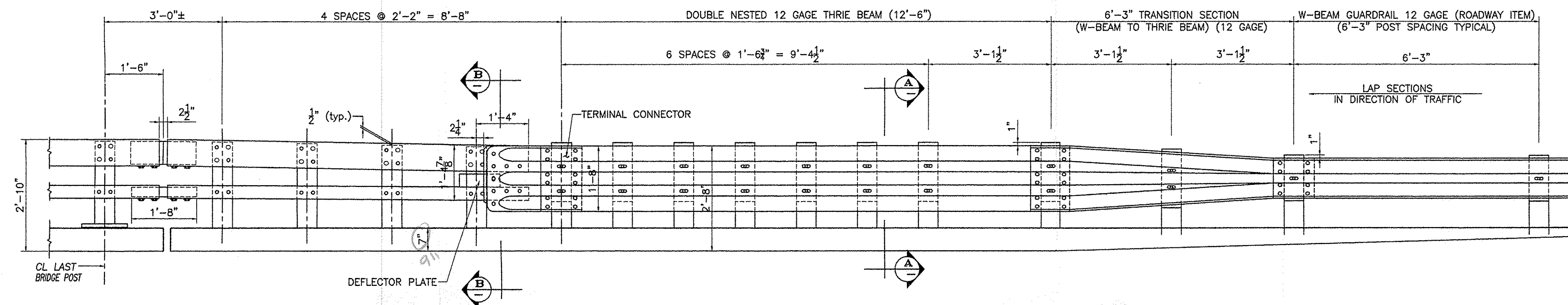
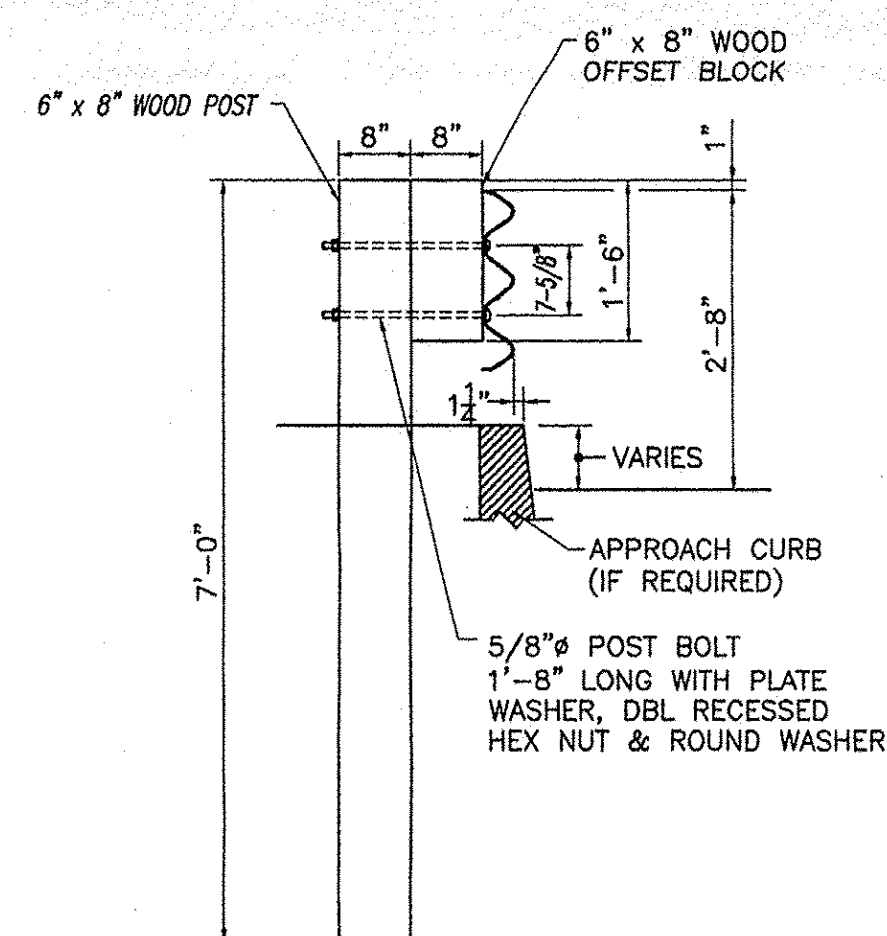


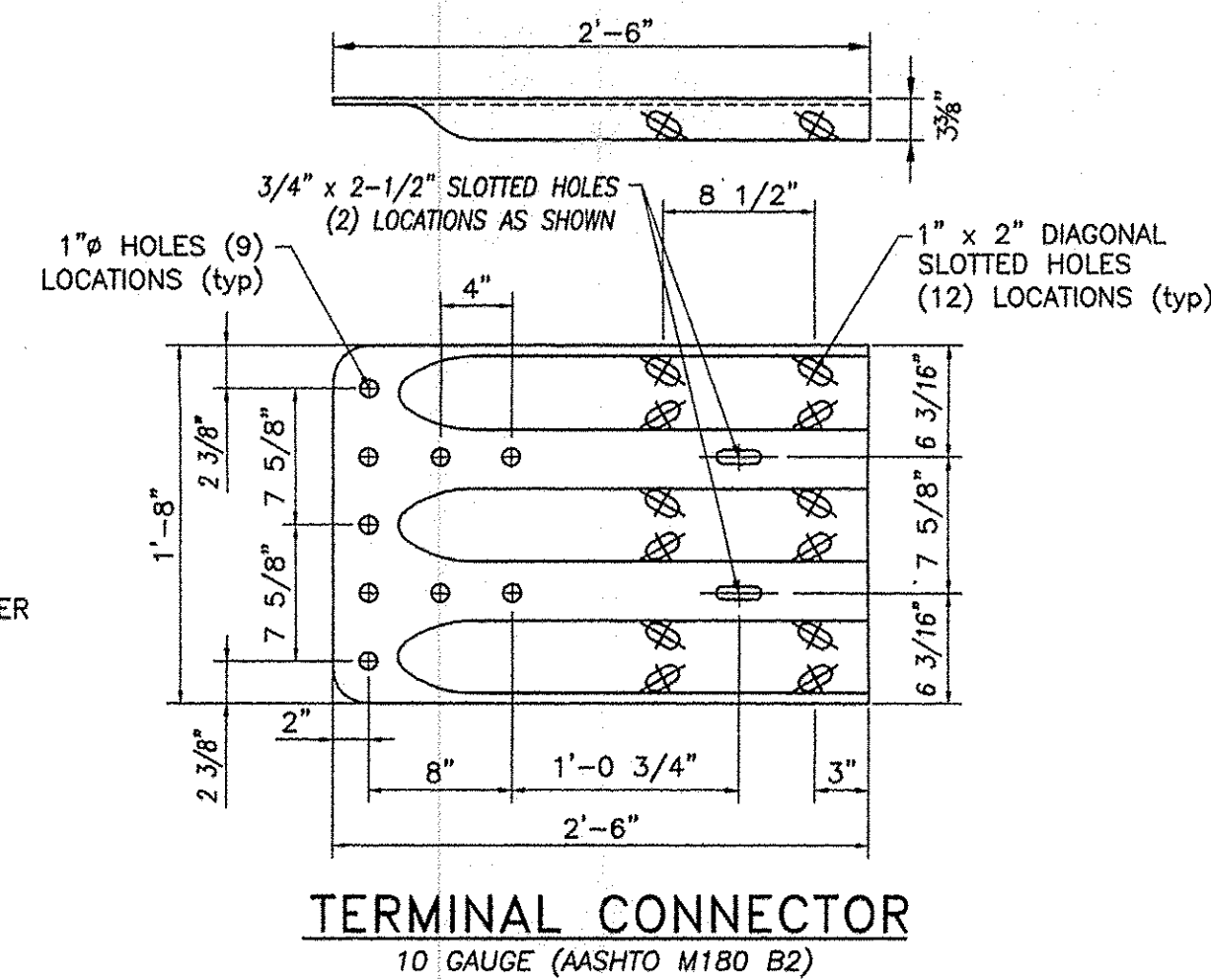
PLAN



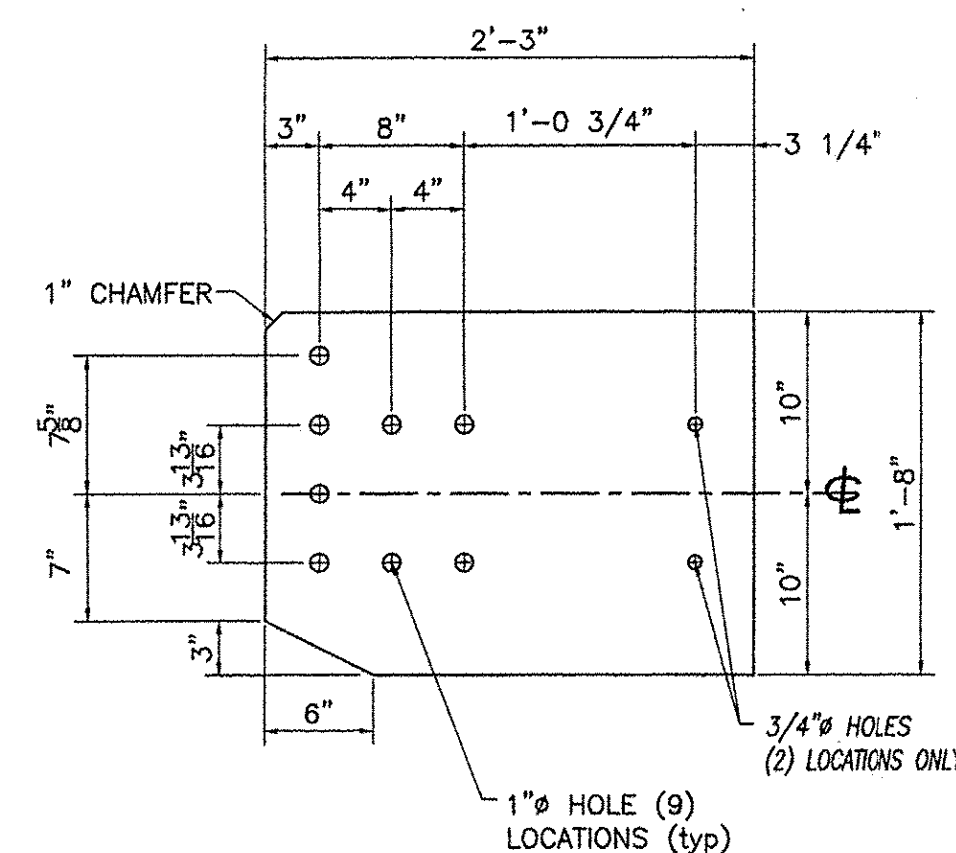
APPROACH RAIL ELEVATION
(TOTAL LIMIT ITEM 621.72 = 58 LF)



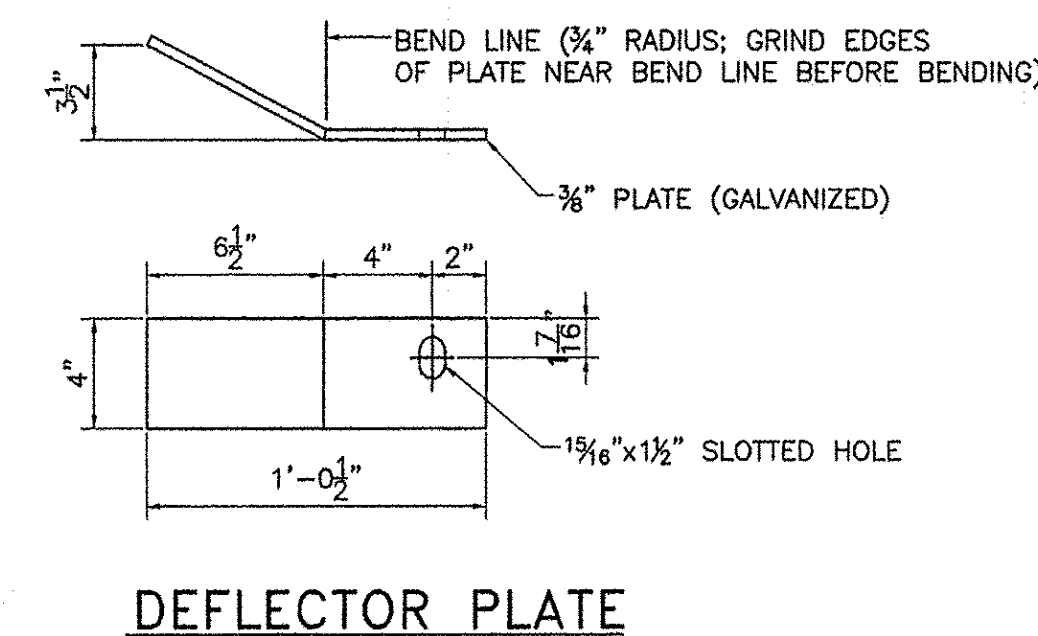
SECTION A-A



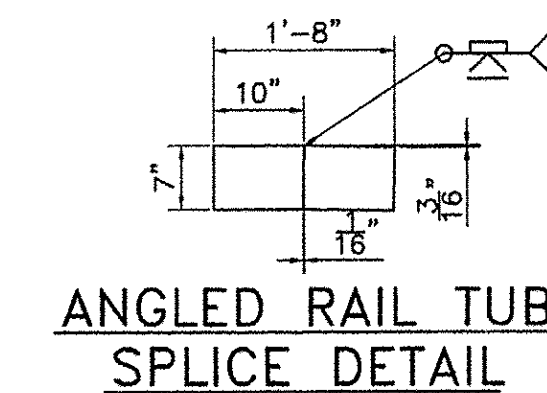
TERMINAL CONNECTOR
10' GAUGE (AASHTO M180 B2)



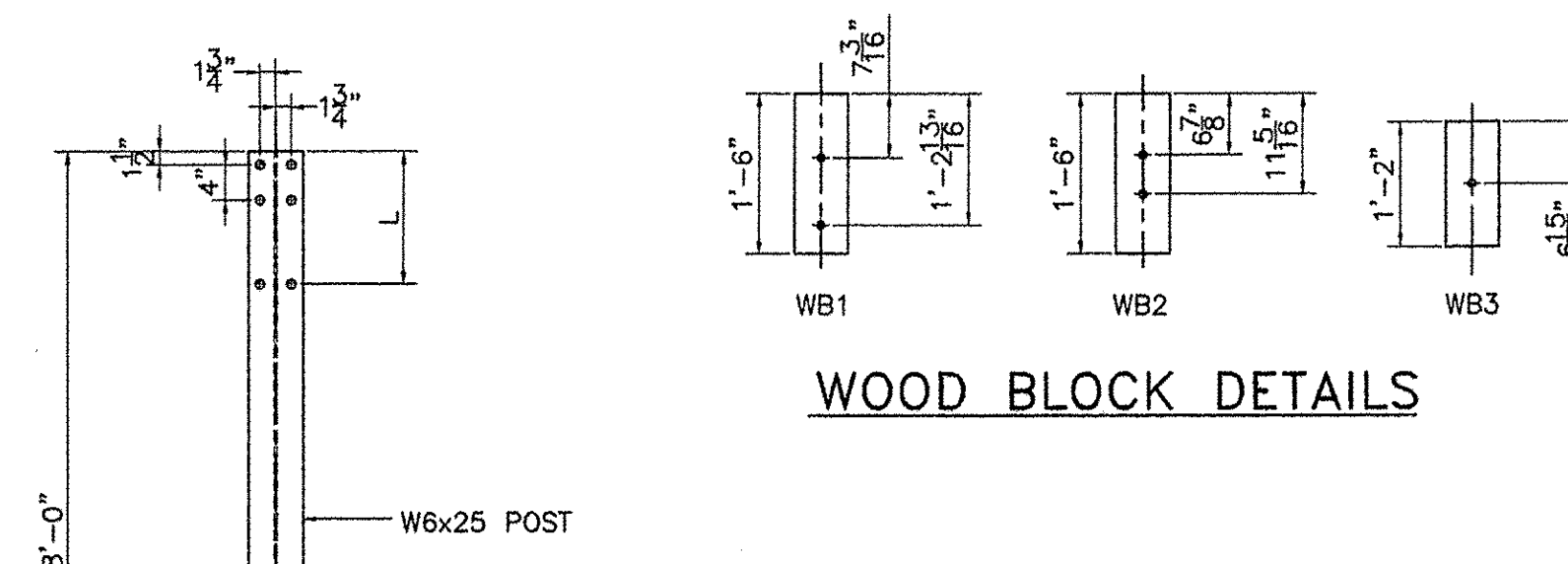
CONNECTION PLATE
3/8" x 1'-8" x 2'-3" (A709 gr 36)



DEFLECTOR PLATE



ANGLED RAIL TUBE
SPLICE DETAIL

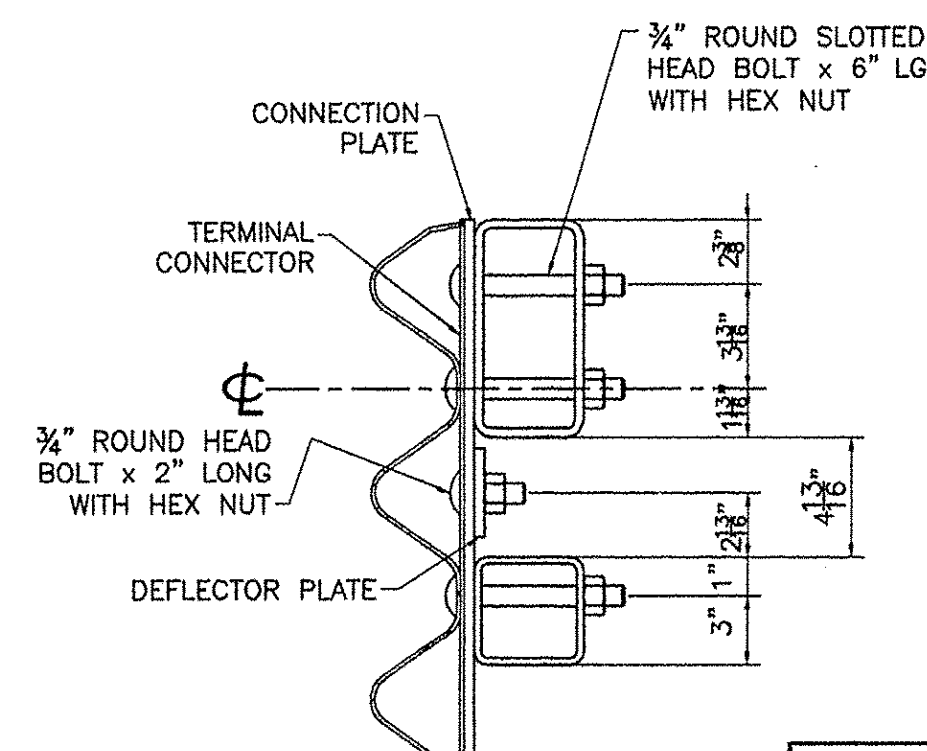


WOOD BLOCK DETAILS

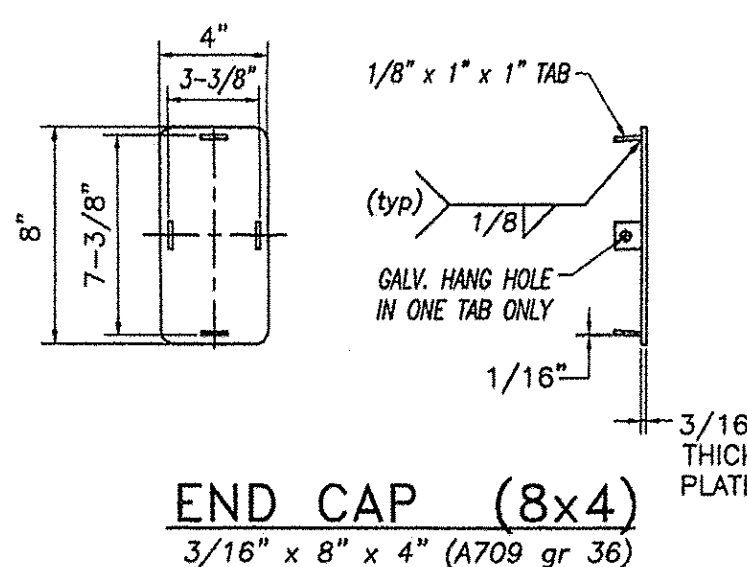
STEEL POST CHART

No.	L
#1	1'-3.250"
#2	1'-3"
#3	1'-2.688"
#4	1'-2.375"

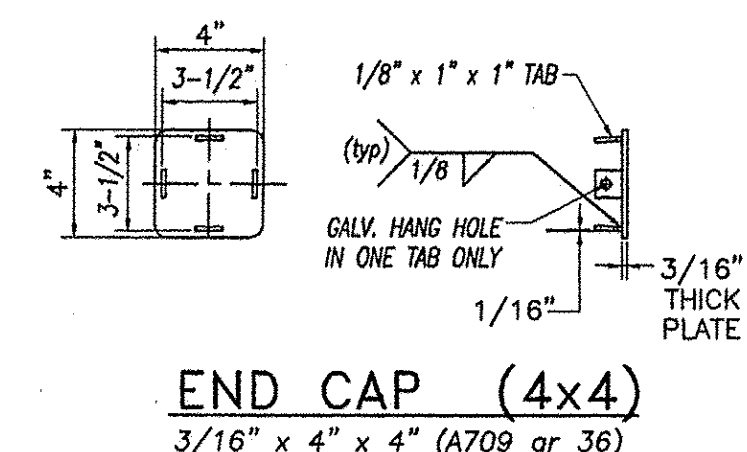
STEEL POST



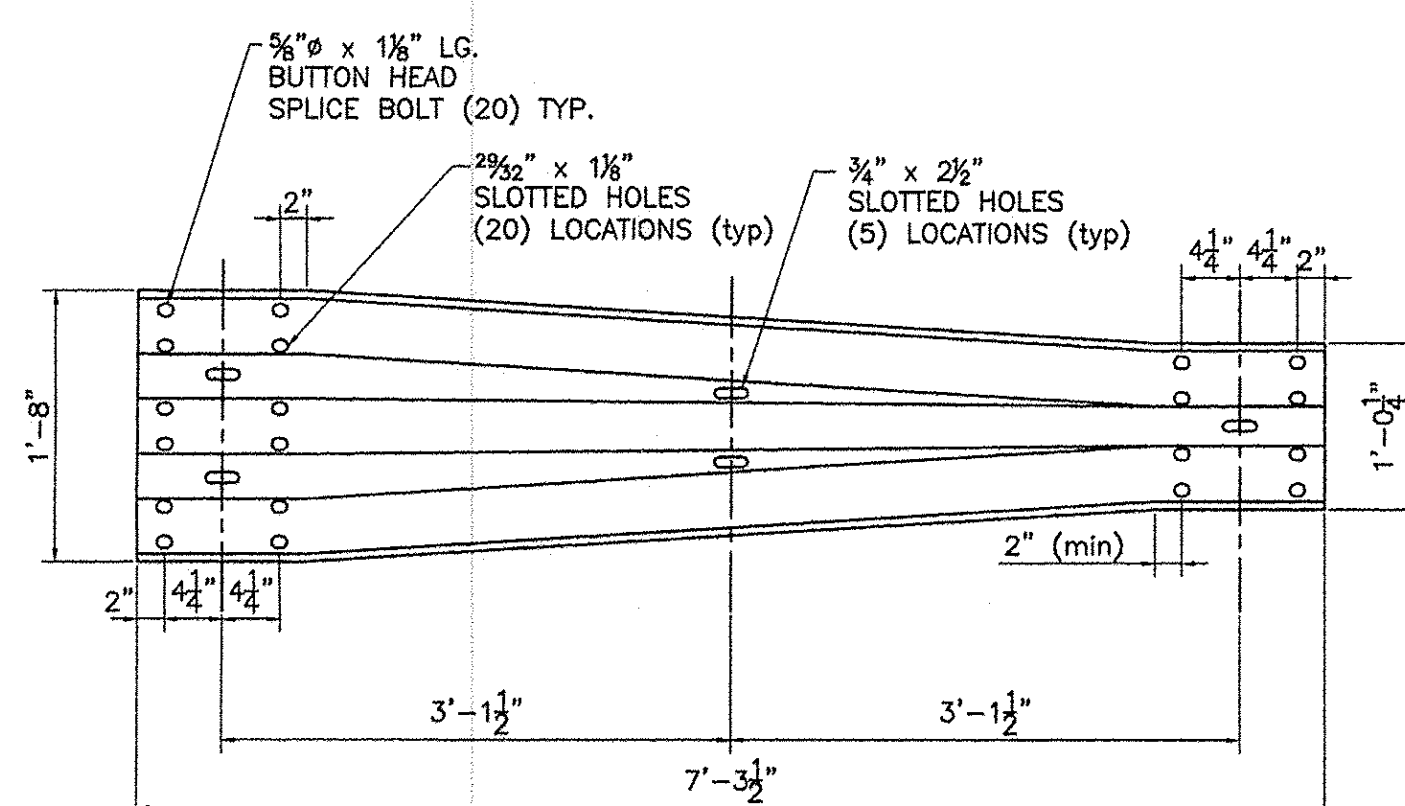
SECTION B-B



END CAP (8x4)
3/16" x 8" x 4" (A709 gr 36)



END CAP (4x4)
3/16" x 4" x 4" (A709 gr 36)



THRIE TRANSITION PANEL
12 GAUGE (AASHTO M180 A2)

BILL OF MATERIAL (4 APPROACHES)					
MK.	Qty.	Description	Size/Shape	Length	Material
2	2	UPPER APPROACH RAIL	TS 8x4x0.313"	9'-2.750"	A500 Gr. B
2	2	LOWER APPROACH RAIL	TS 4x4x0.25"	9'-2.750"	A500 Gr. B
SP	8	STEEL POST	W6 x 25	8'-0"	A572 Gr. 50
WP1	16	WOOD POST	6" x 8"	7'-0"	TIMBER
WP2	2	WOOD POST	6" x 8"	7'-0"	TIMBER
WP3	2	WOOD POST	6" x 8"	7'-0"	TIMBER
WB1	16	WOOD BLOCK	6" x 8"	1'-6"	TIMBER
WB2	2	WOOD BLOCK	6" x 8"	1'-6"	TIMBER
WB3	2	WOOD BLOCK	6" x 8"	1'-2"	TIMBER
2	2	ANGLED SPLICE TUBE FOR TS 8x4x0.313"	TUBE TS 8x4x0.313"	1'-8"	A500 Gr. B
4	4	WELDED LOCK NUTS	0.625"	---	A563 Gr. A
2	2	SPLICE TUBE FOR TS 4x4x0.250"	TUBE TS 4x4x0.250"	1'-8"	A500 Gr. B
4	4	WELDED LOCK NUTS	0.625"	---	A563 Gr. A
2	2	TERMINAL CONNECTOR	10 Ga.	2'-6"	M180
2	2	CONNECTION PLATE	0.375" x 1'-8"	2'-3"	A709 Gr. 36
2	2	END CAP FOR TS 8x4 RAIL TUBE	PLATE 0.188" x 4"	8"	A709 Gr. 36
8	8	END CAP FOR TS 4x4 RAIL TUBE	PLATE 0.125" x 1"	1"	A709 Gr. 36
2	2	DEFLECTOR PLATE (LEFT)	0.375" x 4"	12.5"	A709 Gr. 36
1	1	DEFLECTOR PLATE (RIGHT)	0.375" x 4"	12.5"	A709 Gr. 36
2	2	0.75" x 2" LG. ROUND HEAD BOLT W/NUT	12 Ga.	7'-3.50"	A307
2	2	THRIE TRANSITION PANEL	12 Ga.	12'-6"	M180 A2
88	88	0.75" x 6" ROUND HEAD BOLT W/NUT & ROUND WASHER	12 Ga.	12'-6"	A325
4	4	0.625" x 20" LG. POST BOLT W/DBL RECESSED NUT, PLATE & ROUND WASHER	12 Ga.	12'-6"	A307
34	34	0.625" x 18" LG. POST BOLT W/DBL RECESSED NUT, PLATE & ROUND WASHER	12 Ga.	12'-6"	A307
16	16	0.625" x 1.75" LG. CAP SCREW W/WASHER	12 Ga.	12'-6"	A325
64	64	0.625" x 1.25" LG. PANEL SPLICE BOLT W/DBL RECESSED NUT	12 Ga.	12'-6"	A307
16	16	0.75" x 0.5" LG. (SCH 40) SPACER PIPE	12 Ga.	12'-6"	A53

- NOTES:
- PAYMENT FOR GUARDRAIL APPROACH SECTION - GALVANIZED NETC 2 RAIL (THRIE BEAM) SHALL INCLUDE THE TERMINAL CONNECTOR, THE CONNECTION PLATE, THE DEFLECTOR PLATE, RAIL, POSTS, BLOCKS AND ATTACHMENT HARDWARE.
 - RETRO REFLECTIVE MATERIAL SHALL MEET REQUIREMENTS OF SUBSECTION 750.08 AND SHALL BE OF ENCAPSULATED LENS SILVER OR AMBER. AMBER IS TO BE INSTALLED ON THE DRIVER'S LEFT AND SILVER ON THE RIGHT.
 - ALL APPROACH RAIL SPLICES SHALL BE LAPPED IN THE DIRECTION OF TRAFFIC FLOW.
 - ALL APPROACH RAIL MATERIALS, DIMENSION SIZES AND NOTES SHALL BE THE SAME AS THOSE OF THE BRIDGE RAIL, UNLESS OTHERWISE NOTED.
 - APPROACH RAIL BOLTS SHALL BE ASTM A307 GRADE A AND NUTS SHALL BE ASTM M291 (ASTM 563 GRADE A OR BETTER (GALVANIZED)). WASHERS SHALL BE ASTM F844.
 - WELD TOP SPLICE BAR TO FIT BEND. USE COMPLETE PENETRATION WELD (B-U2).

HIGHWAY SAFETY CORP GLASTONBURY, CT 860-633-9445		CERTIFIED FABRICATOR
ITEM 621.72 BRIDGE APPROACH RAIL VT RT 14 OVER SODOM POND BROOK TOWN OF EAST MONTPELIER COUNTY OF WASHINGTON BRIDGE NO. 69, PROJECT NO. STP 037-2(9)		
GENERAL CONTRACTOR SUB CONTRACTOR F.R. LAFAYETTE, INC.		SHEET NO. 1757 3 of 3
DRAWN MHM	CHECKED PAR	DATE 6/8/2010
SCALE NONE		
SIZE D		

RECEIVED
 CKT. BY JAC DTD BY JEL
 JUN 14 2010
 RESUBMIT APPROVED AS NOTED
 BY DATE 6/29/10

REVISIONS		
No.	Remarks	Date
0	Initial submittal	