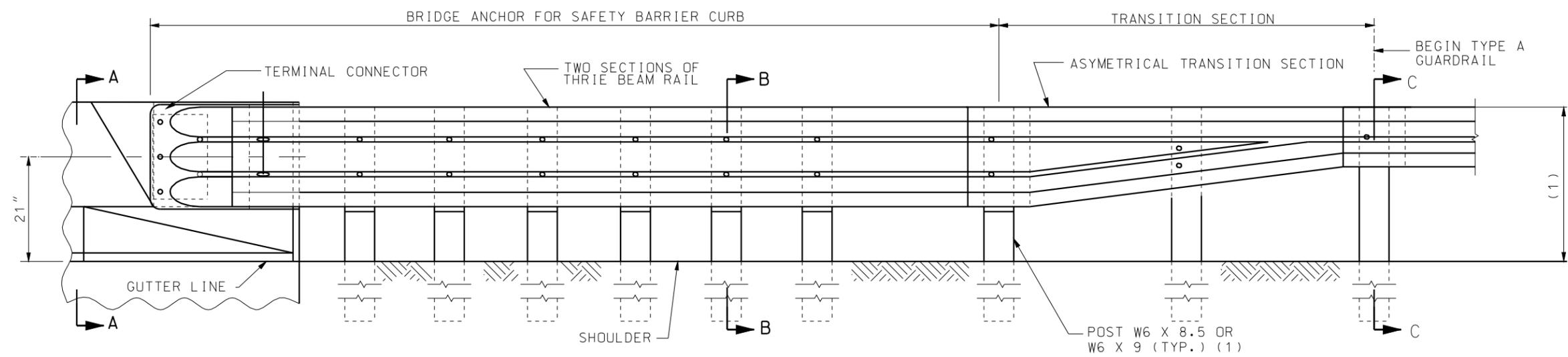
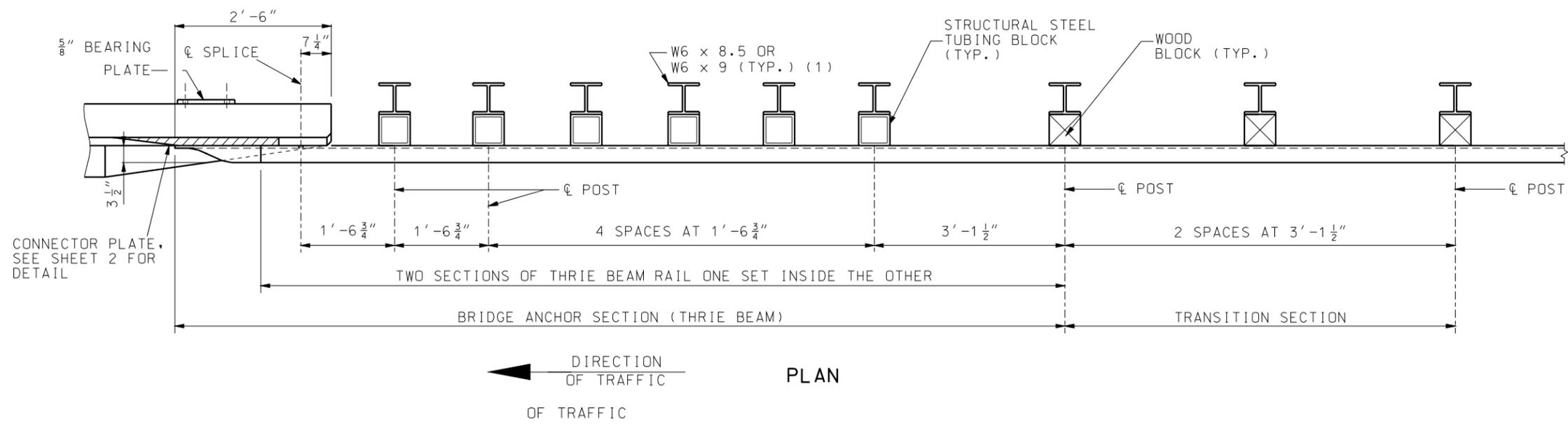
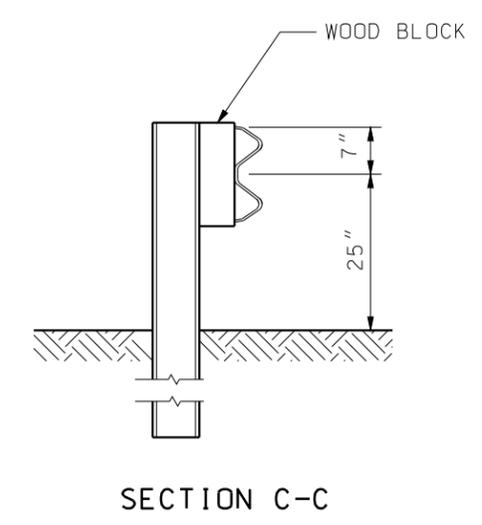
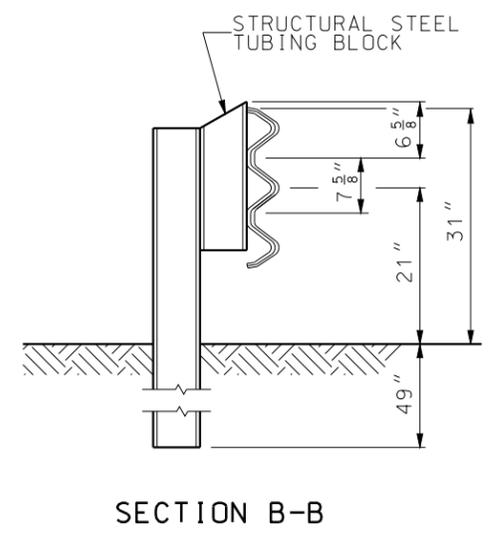
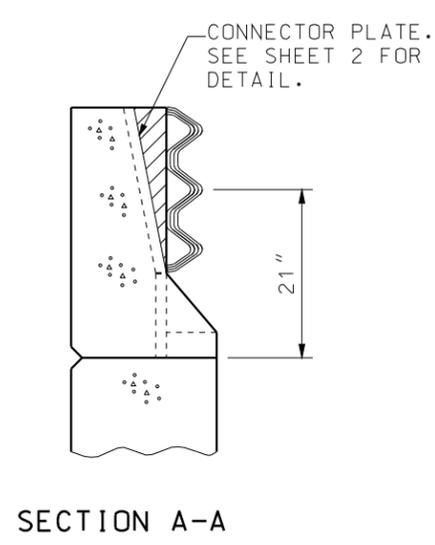


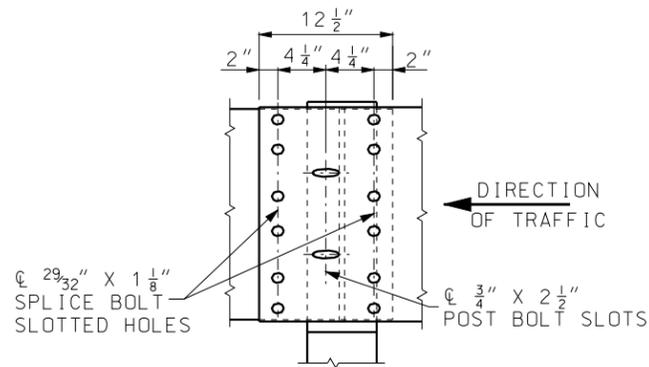
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



(1) TRANSITION FROM 31" TO 29" HEIGHT OVER NEXT EIGHT UPSTREAM 12.5' W-BEAMS.

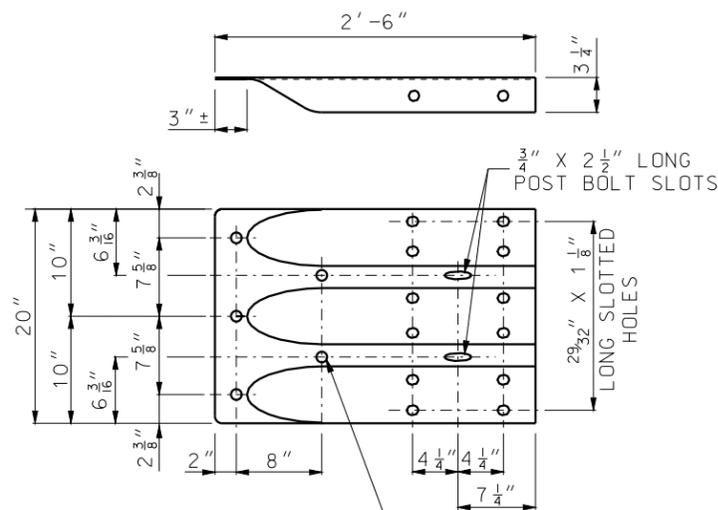


		MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
		BRIDGE ANCHOR SECTION SAFETY BARRIER CURB ON BRIDGE	
DATE EFFECTIVE: 08/01/2012 DATE PREPARED: 11/26/2012	606.22T	SHEET NO. 1 OF 5	



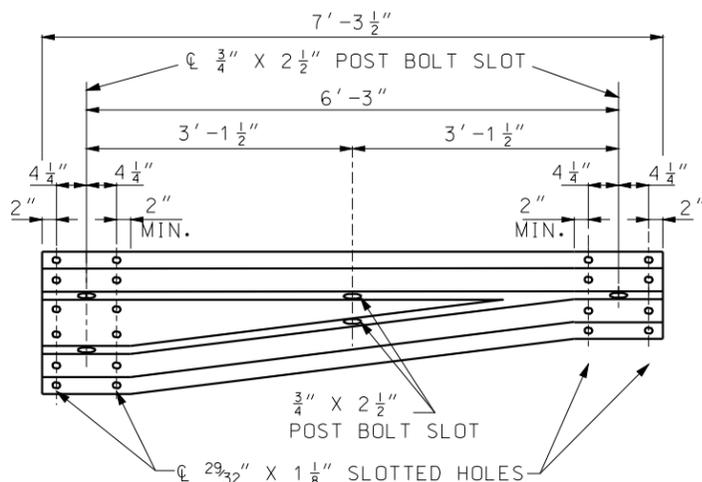
THREE BEAM RAIL SPLICE AT POST

(1) THE CONTRACTOR MAY, AT HIS OPTION, FURNISH EQUIVALENT SECTIONS FABRICATED FROM MATERIAL MEETING AND IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM A769 GRADE 36 OR 40. THE SECTIONS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH REQUIREMENTS OF AASHTO M 111.

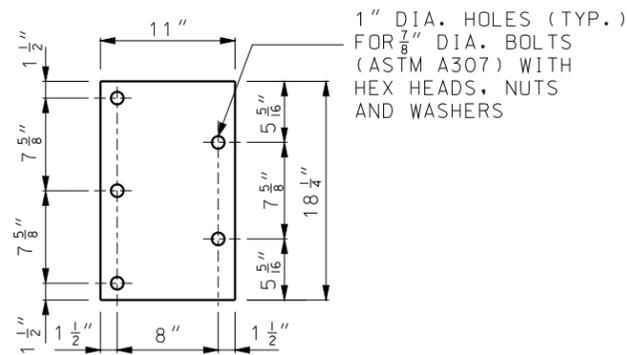


1" DIA. HOLES (TYP.) (FOR 7/8" DIA. BOLTS (ASTM A307) WITH HEX HEADS, NUTS AND WASHERS)

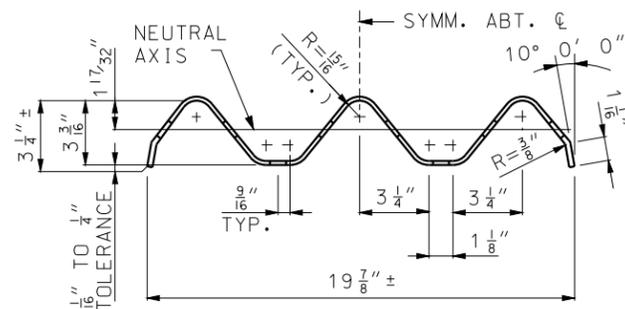
TERMINAL CONNECTOR



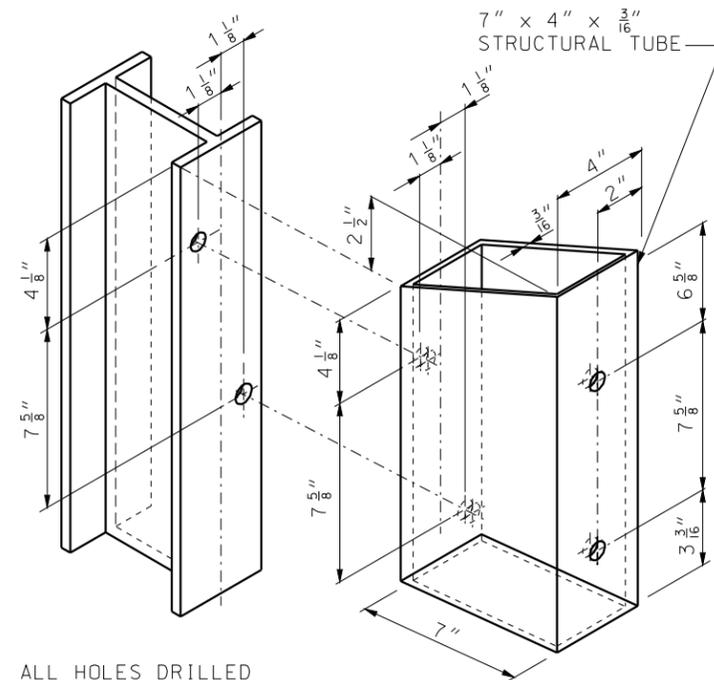
ASYMMETRICAL TRANSITION SECTION



60/16 BEARING PLATE



SECTION THROUGH THREE BEAM RAIL



ALL HOLES DRILLED OR PUNCHED 13/16 DIA.

STRUCTURAL STEEL TUBING BLOCK DETAIL

GENERAL NOTES:

DESIGN BASED ON NCHRP REPORT 350 TEST LEVEL 3.

THE THREE BEAM RAIL, TERMINAL CONNECTOR AND THE TRANSITION SECTION FOR THE BRIDGE ANCHOR SECTION SHALL BE MADE OF STEEL AND SHALL BE 12 GAGE.

FOR PROTECTIVE COATING AND MATERIAL REQUIREMENTS, SEE SECTION 1040 OF THE STANDARD SPECIFICATIONS.

RAIL POSTS SHALL BE SET PERPENDICULAR TO THE ROADWAY PROFILE GRADE AND VERTICALLY IN CROSS SECTION.

WASHERS SHALL BE USED AT ALL POST BOLTS.

STRUCTURAL TUBING BLOCK SHALL BE FABRICATED FROM ASTM A500 GRADE B STEEL AND GALVANIZED.

USE 5/8" BUTTON-HEAD OVAL SHOULDER BOLTS WITH HEX NUTS AT ALL SLOTS (THICKNESS OF HEX NUTS = 3/8" MIN.).

THE BEARING PLATE SHALL BE FABRICATED FROM GRADE A36 STEEL AND GALVANIZED.

ALL LAP SPLICES, INCLUDING END SHOES, SHALL BE MADE IN THE DIRECTION OF TRAFFIC.

SEE STANDARD PLAN 606.00 FOR DETAILS NOT SHOWN.

THE COST OF FURNISHING, FABRICATING AND INSTALLING TRANSITION SECTION, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH.

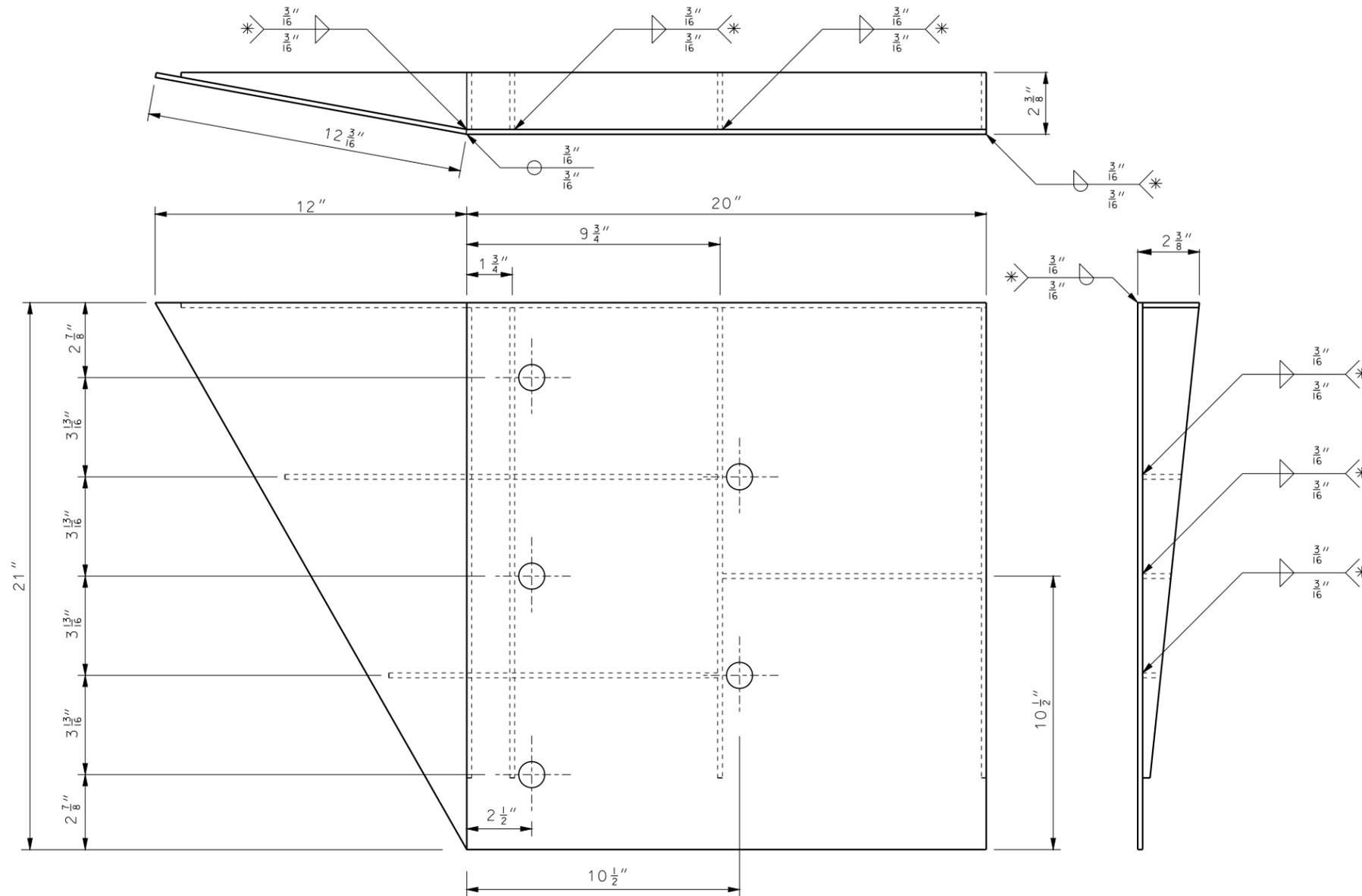
THE COST OF FURNISHING FABRICATING AND INSTALLING BRIDGE ANCHOR SECTION (SAFETY BARRIER CURB), COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH.

LOCK SHALL BE OF THE SAME TYPE THROUGHOUT THE PROJECT LIMITS.

FOR DETAILS OF BLOCKS ON STEEL POSTS, SEE STANDARD PLAN 606.00.

 MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
	BRIDGE ANCHOR SECTION SAFETY BARRIER CURB ON BRIDGE
DATE EFFECTIVE: 08/01/2007 DATE PREPARED: 11/26/2012	606.22T
SHEET NO. 2 OF 5	

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



WELDING INSTRUCTION

* ALL FILLET WELDS SHALL BE 1" LONG SPACED AT 2".

GENERAL NOTES:

COVER PLATE PANELS ARE 4. ³/₁₆" THICK.

ALL STIFFENERS ARE ¹/₄" THICK.

CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.

FOR GALVANIZED REQUIREMENTS, SEE SECTION 1040 OF THE STANDARD SPECIFICATIONS.

ALL HOLE DIAMETERS SHALL BE 1".

 MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
 <p>STATE OF MISSOURI KATHRYN PHILLIPS HARVEY NUMBER PE-23751 PROFESSIONAL ENGINEER</p> <p>THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.</p>	<p>BRIDGE ANCHOR SECTION SAFETY BARRIER CURB ON BRIDGE (CONNECTOR PLATE DETAIL)</p>
DATE EFFECTIVE: 08/01/2012 DATE PREPARED: 7/19/2012	<p>606.22T</p>
SHEET NO. 3 OF 5	

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

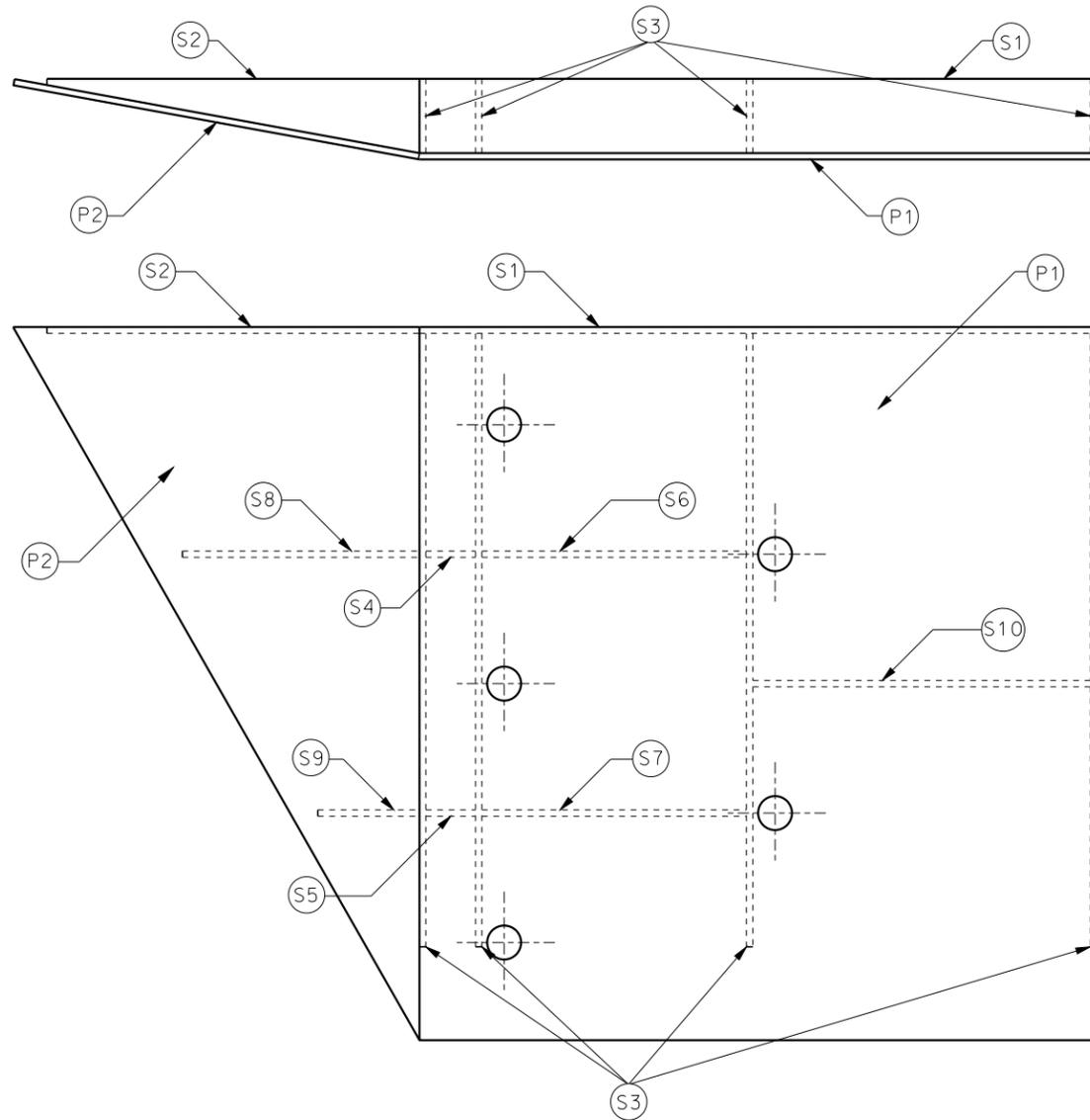
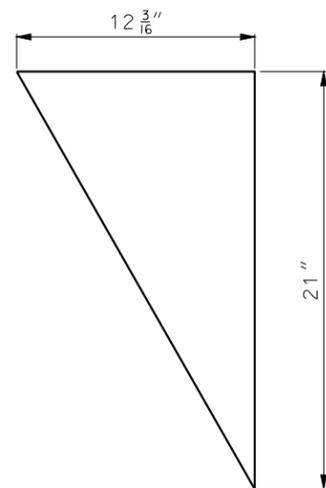
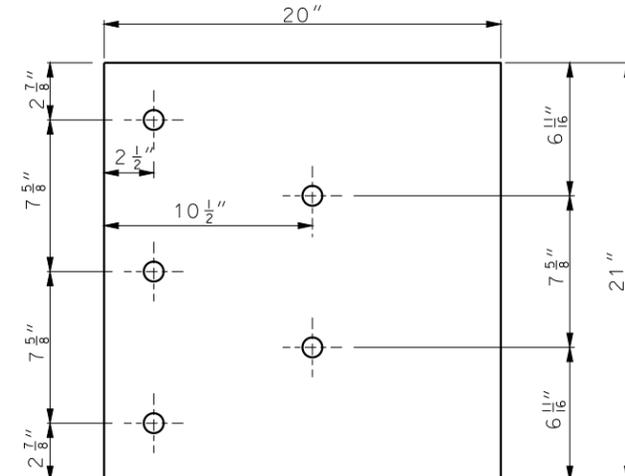


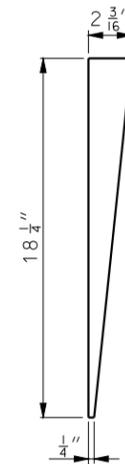
PLATE AND STIFFENER IDENTIFICATION



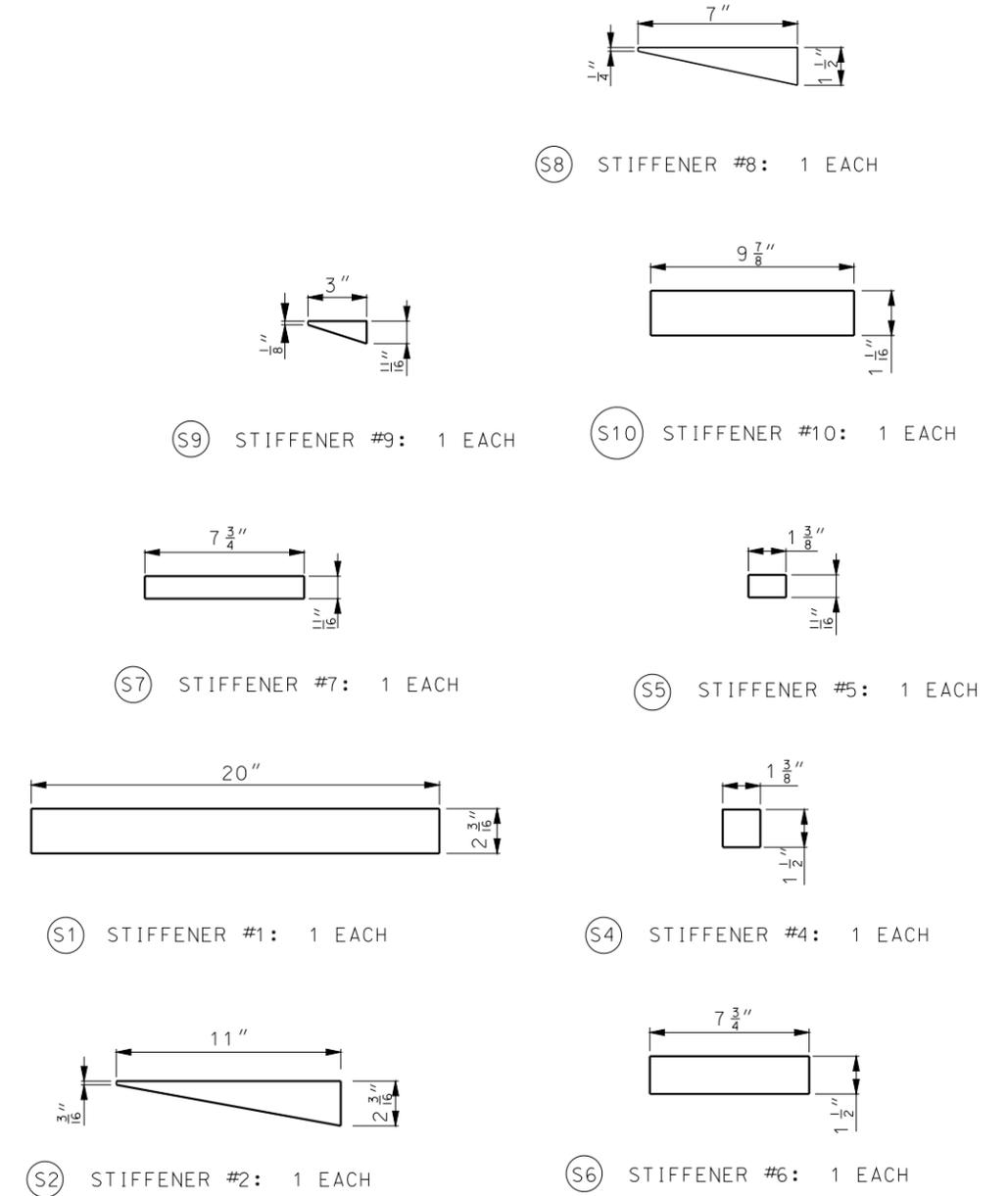
(P2) COVER PLATE #2



(P1) COVER PLATE #1

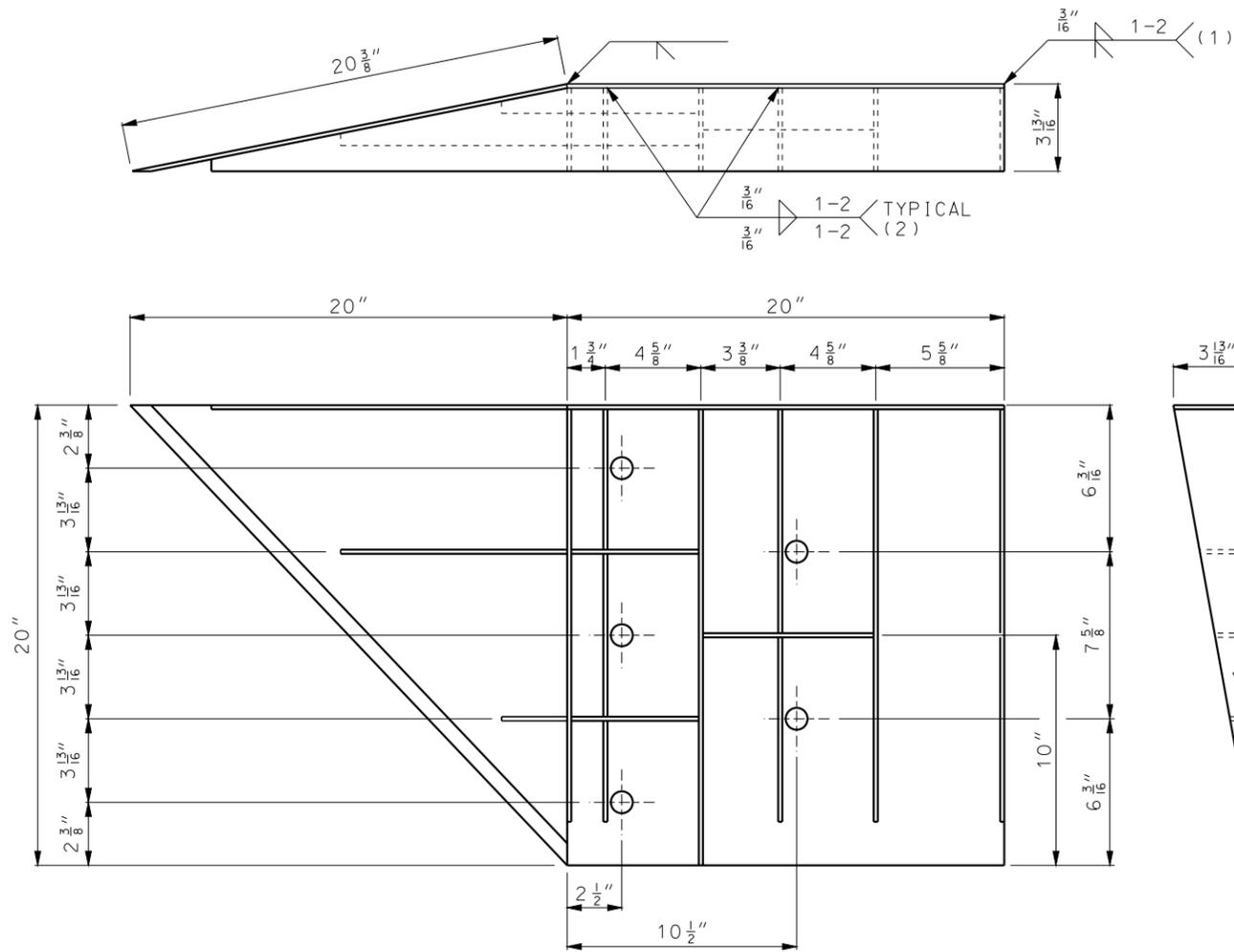


(S3) STIFFENER #3: 4 EACH



 <p>MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION</p> <p>105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)</p>	
 <p>STATE OF MISSOURI KATHRYN PHILLIPS HARVEY NUMBER PE-23751 PROFESSIONAL ENGINEER</p> <p><small>THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.</small></p>	<p>BRIDGE ANCHOR SECTION SAFETY BARRIER CURB ON BRIDGE (CONNECTOR PLATE DETAIL)</p>
<p>DATE EFFECTIVE: 08/01/2012 DATE PREPARED: 7/19/2012</p>	<p>606.22T</p>
<p>SHEET NO. 4 OF 5</p>	

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



WELDING INSTRUCTION

- (1) STIFFENERS LOCATED AT THE OUTSIDE EDGES OF THE COVER PLATES SHALL BE WELDED AS FOLLOWS: SINGLE BEVEL GROOVE WELD ON EXTERNAL SIDES AND 3/16" FILLET WELD BY 1" LONG SPACED AT 2" ON INTERNAL SIDES.
- (2) STEFFENERS LOCATED ON THE INSIDE OF THE COVER PLATE SHALL BE WELDED AS FOLLOWS: 3/16" FILLET WELD BY 1" LONG SPACED AT 2".

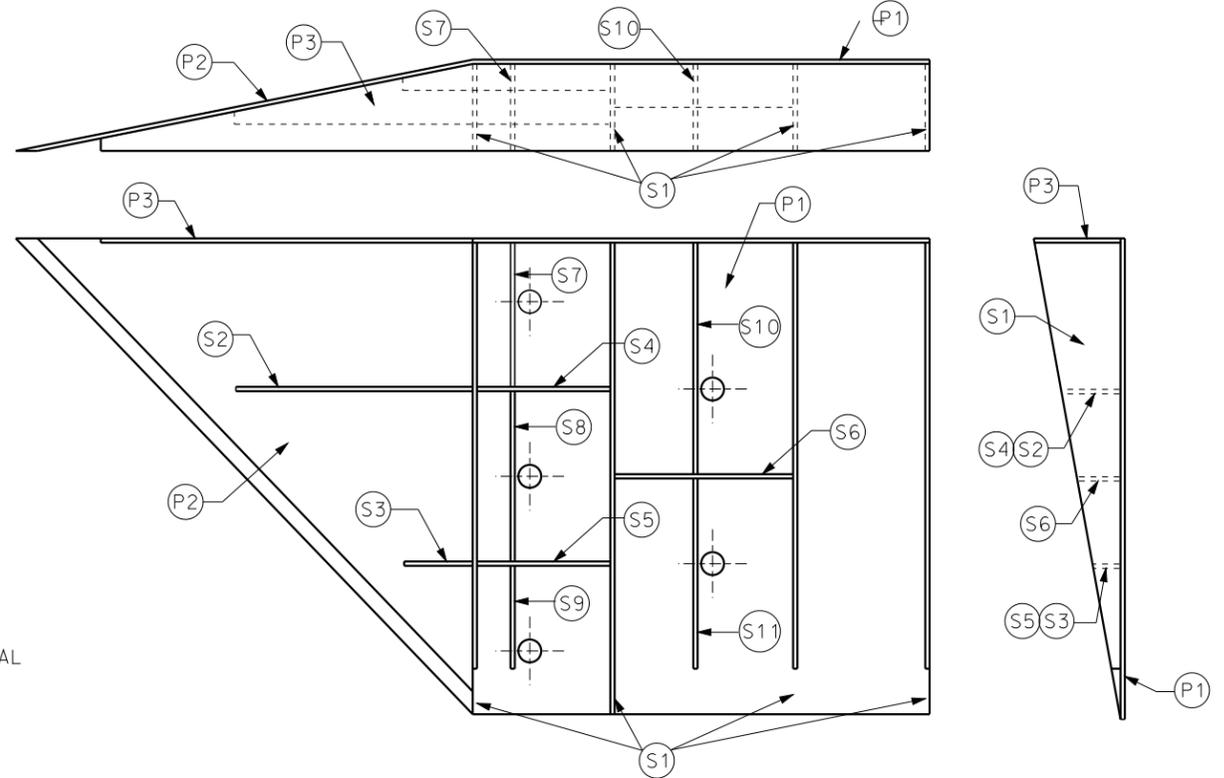


PLATE AND STIFFENER IDENTIFICATION

CONNECTOR PLATE DIMENSION (PER ASSEMBLY)				
PLATE	QUANTITY	SHAPE	SIZE (A x B x C x D)	THICKNESS
P1	1	B	20" x 20"	3/16"
P2	1	B	20" x 20" x 28 9/16"	3/16"
P3	1	B	39" x 3 5/8" x 20" x 19 5/16"	3/16"
S1	4	B	18 7/16" x 3 5/8" x 18 3/4"	1/4"
S2	1	B	10 1/4" x 2 7/16" x 10 3/8" x 1/2"	1/4"
S3	1	B	3" x 1 1/16" x 3 1/8" x 1/2"	1/4"
S4	1	B	6 1/8" x 2 7/16"	1/4"
S5	1	B	6 1/8" x 1 1/16"	1/4"
S6	1	B	7 3/4" x 1 3/4"	1/4"
S7	1	A	2 3/16" x 6" x 3 5/8" x 5 7/8"	1/4"
S8	1	A	1 5/32" x 7 1/2" x 2 1/2" x 7 3/8"	1/4"
S9	1	C	6 1/16" x 6 3/16" x 1 3/32"	1/4"
S10	1	A	1 7/8" x 9 7/8" x 3 5/8" x 9 11/16"	1/4"
S11	1	C	8 1/2" x 8 3/4" x 1 13/16"	1/4"

GENERAL NOTES:

- COVER PLATE PANELS ARE 3/16" THICK.
- ALL STIFFENERS ARE 1/4" THICK.
- CONNECTOR PLATE SHALL BE FABRICATED FROM ASTM GRADE A36 STEEL AND GALVANIZED.
- FOR GALVANIZED REQUIREMENTS, SEE SECTION 1040 OF THE STANDARD SPECIFICATIONS.
- ALL HOLE DIAMETERS SHALL BE 1".

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

BRIDGE ANCHOR SECTION
SAFETY BARRIER CURB ON BRIDGE
(CONNECTOR PLATE DETAIL)
SINGLE SLOPE BARRIERS

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE EFFECTIVE: 08/01/2012
DATE PREPARED: 7/19/2012

606.22T

SHEET NO.
5 OF 5

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.