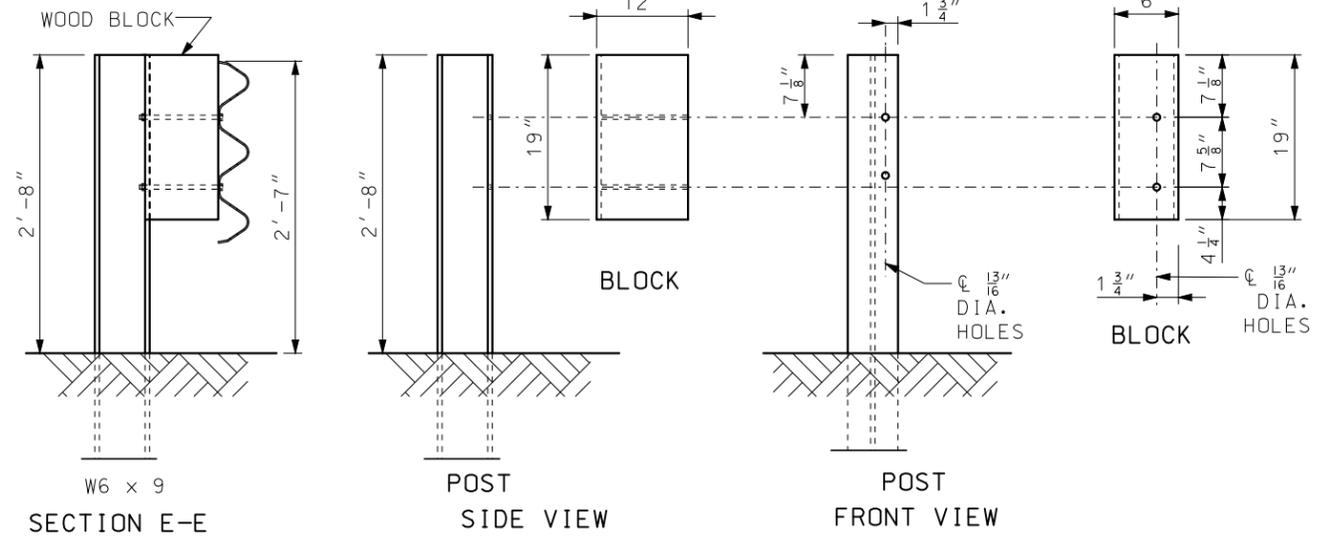
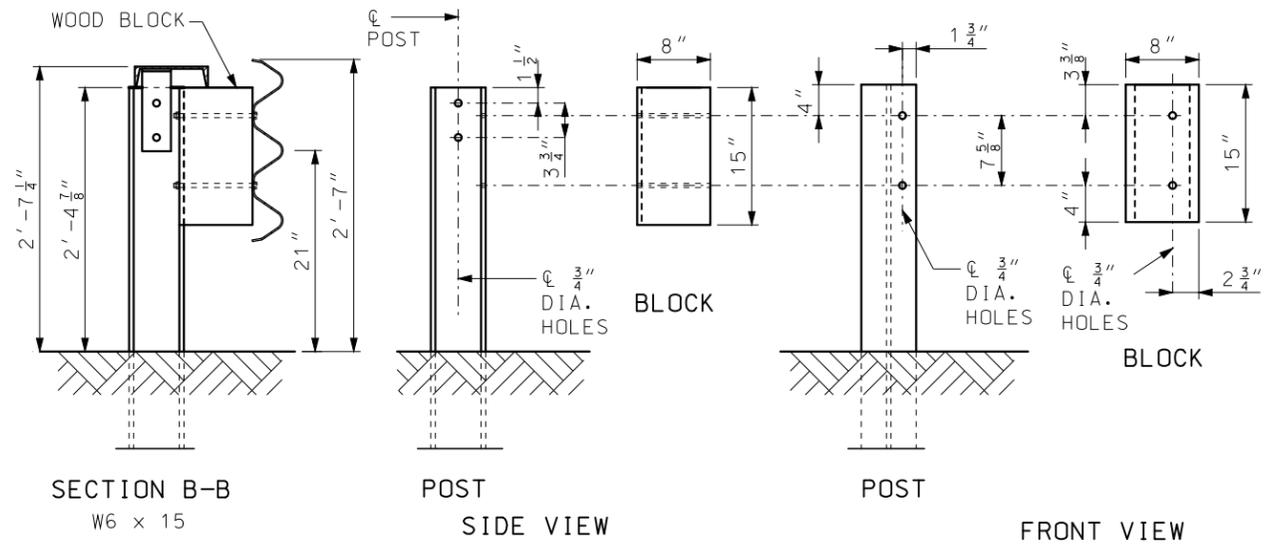


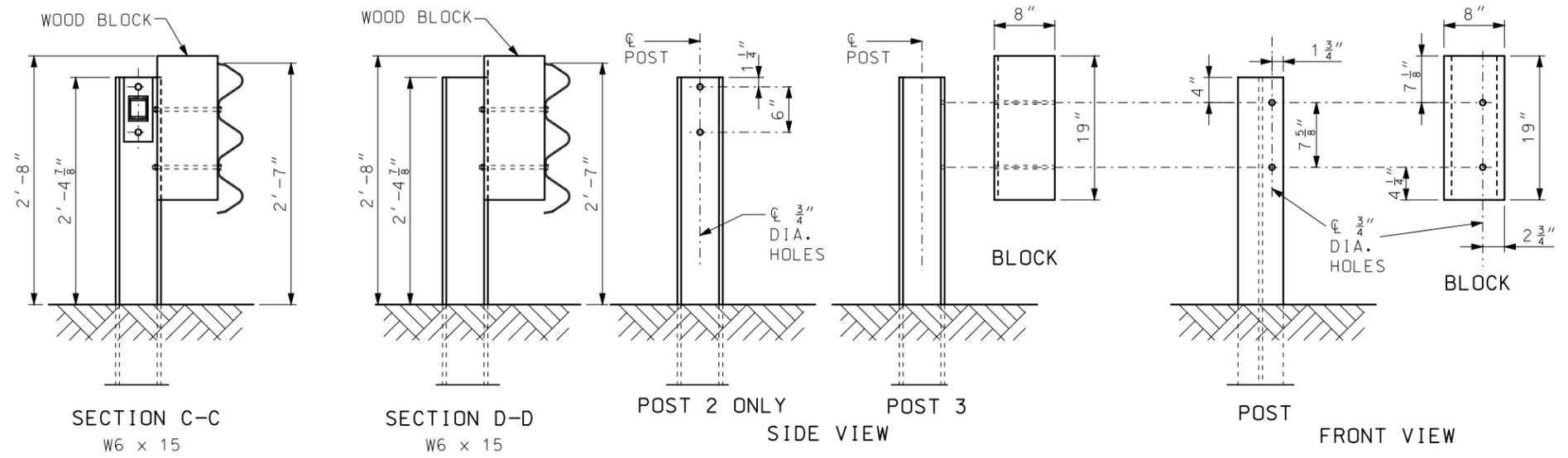
STEEL POST AND STEEL BLOCK (B1)



STEEL POST AND WOOD BLOCK (4) THROUGH (8)



STEEL POST AND WOOD BLOCK (1)



STEEL POST AND WOOD BLOCK (2) and (3)

GENERAL NOTES:

DESIGN BASED UPON MASH TEST LEVEL 3 (TL-3).

FABRICATED STRUCTURAL STEEL SHALL BE ASTM A709 GRADE 36.

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

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

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

ALL LAP SPLICES SHALL BE MADE IN THE DIRECTION OF TRAFFIC.

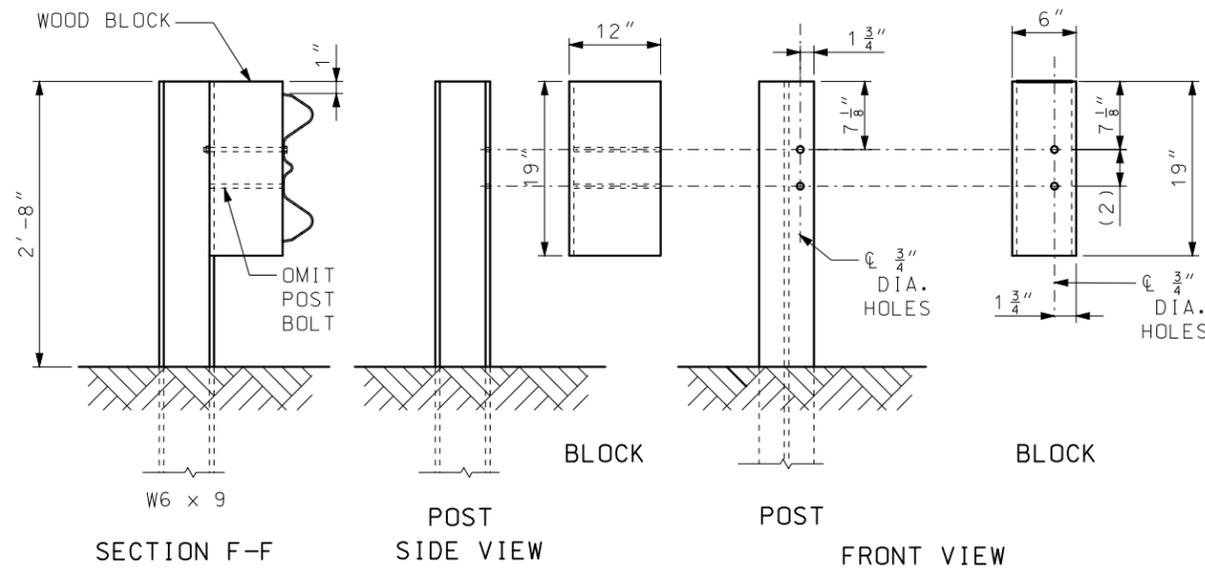
THE COST OF FURNISHING, FABRICATING AND INSTALLING TRANSITION SECTION, COMPLETE-IN-PLACE, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH.

THE COST OF FURNISHING, FABRICATING AND INSTALLING BRIDGE ANCHOR SECTION (THRIE BEAM), COMPLETE-IN-PLACE, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH.

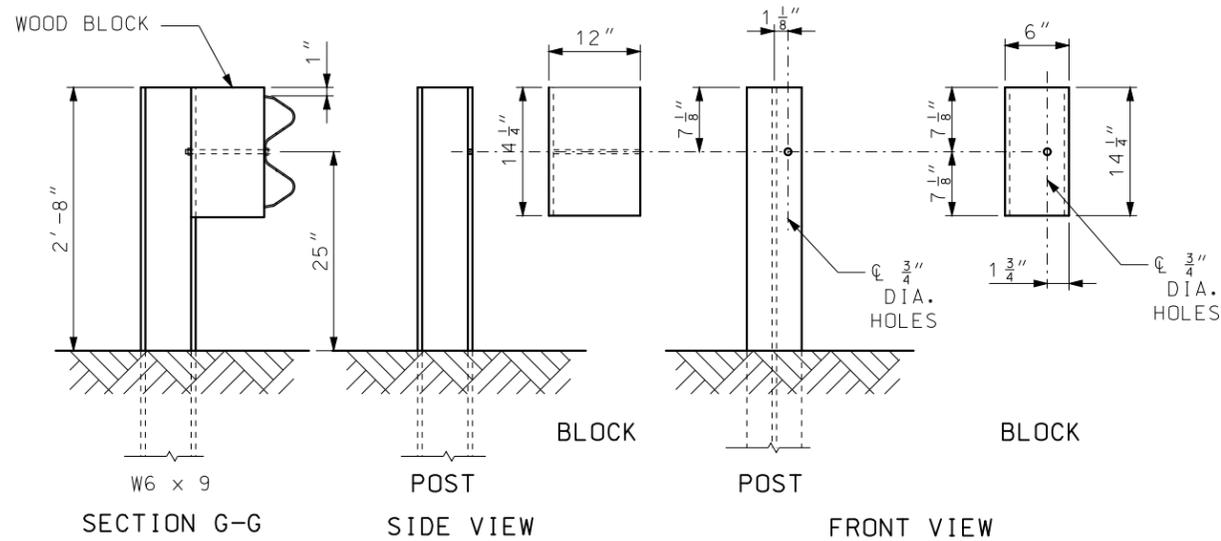
FOR DETAILS NOT SHOWN, SEE BRIDGE THRIE BEAM RAIL SHEET.

 MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
	MIDWEST GUARDRAIL SYSTEM (MGS) BRIDGE APPROACH TRANSITION (THRIE BEAM ON BRIDGE)
	DATE EFFECTIVE: 10/01/2016 DATE PREPARED: 8/11/2016

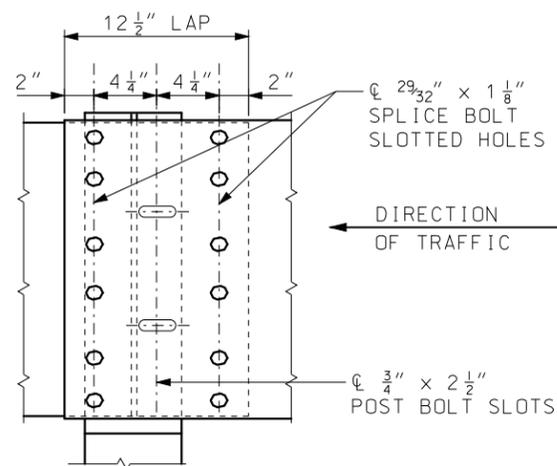
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



STEEL POST AND WOOD BLOCK (9)

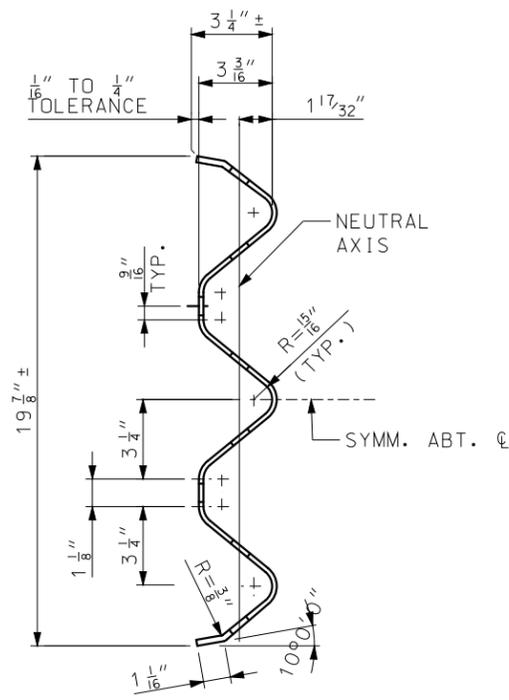


STEEL POST AND WOOD BLOCK (10)

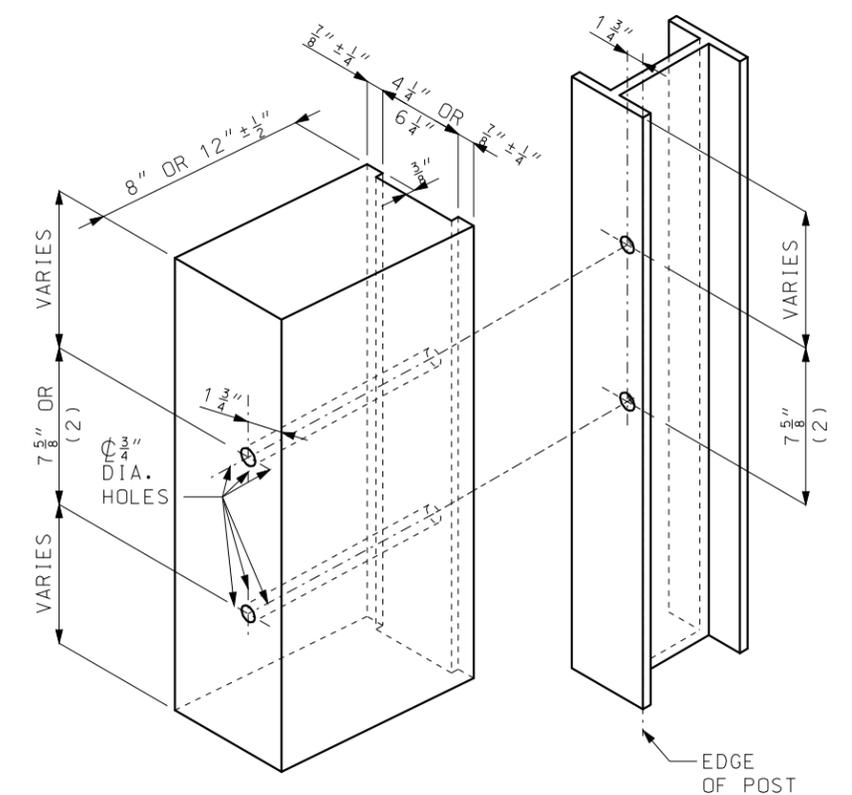


THRIE BEAM RAIL SPLICE AT POST

(2) VERIFY BY RAIL TRANSITION PRODUCER.

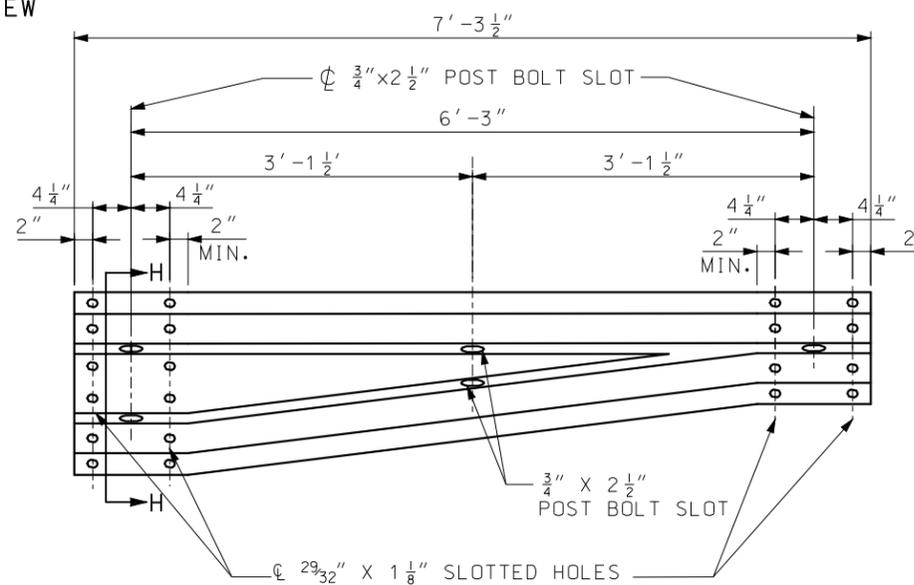


SECTION H-H
THROUGH THRIE BEAM RAIL



POST (9) - (2) VERIFY BY RAIL TRANSITION PRODUCER (SEE FRONT SHEET)
 POST (10) - ONLY 1 HOLE REQUIRED
 ALL HOLES 3/4" DIAMETER EXCEPT AS NOTED

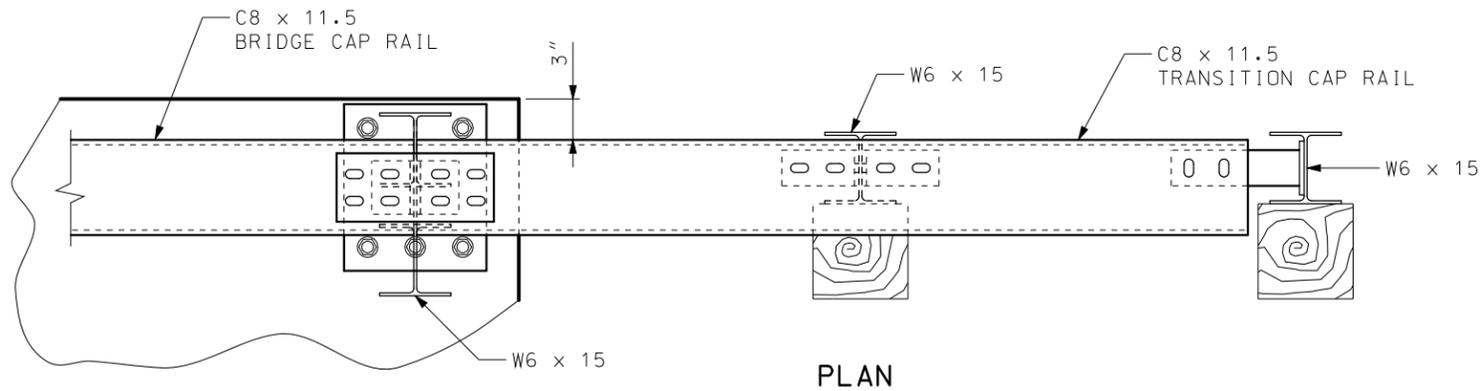
HOLE PUNCHING DETAIL
 FOR STEEL POST & WOOD BLOCKS (6" AND 8")



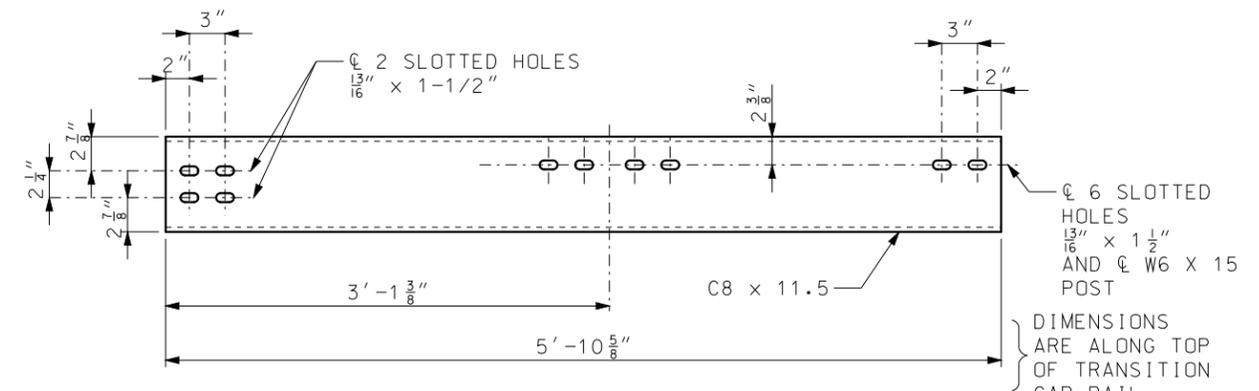
ASYMMETRICAL TRANSITION SECTION

	MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
		MIDWEST GUARDRAIL SYSTEM (MGS) BRIDGE APPROACH TRANSITION (THRIE BEAM ON BRIDGE)
DATE EFFECTIVE: 10/01/2016 DATE PREPARED: 8/11/2016	606.70A	SHEET NO. 3 OF 5

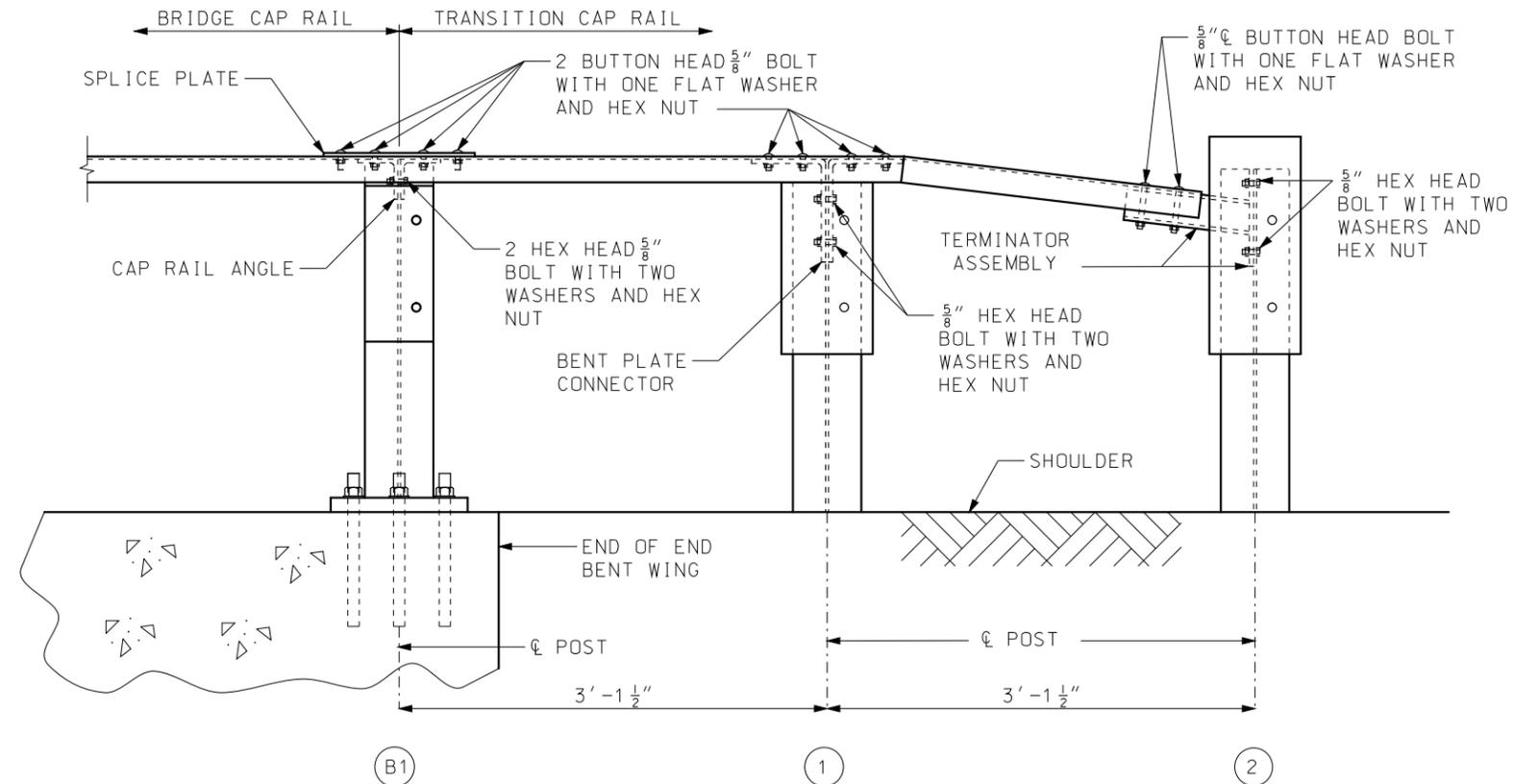
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



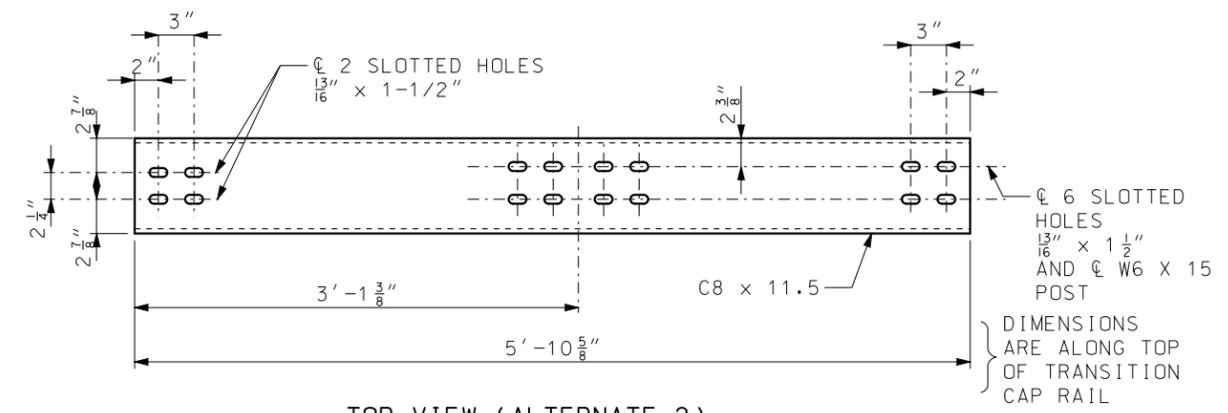
PLAN



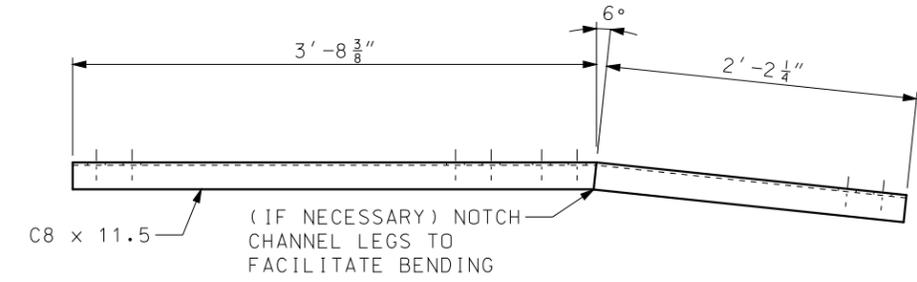
TOP VIEW (ALTERNATE 1)



ELEVATION
(THRIE BEAM RAIL NOT SHOWN)



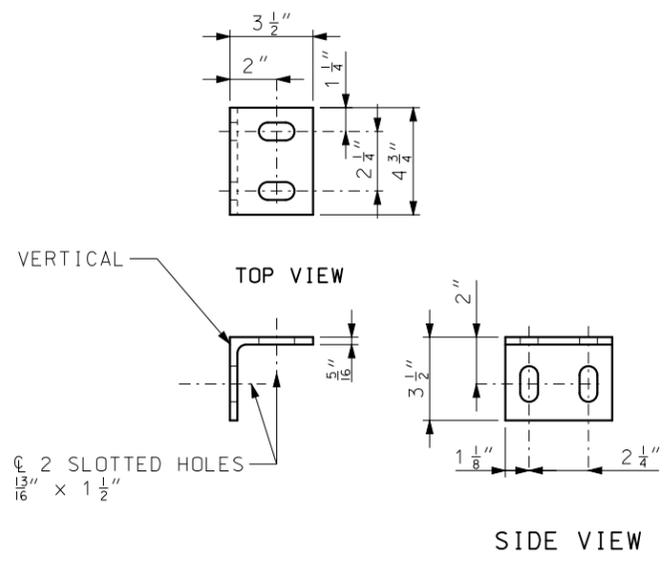
TOP VIEW (ALTERNATE 2)



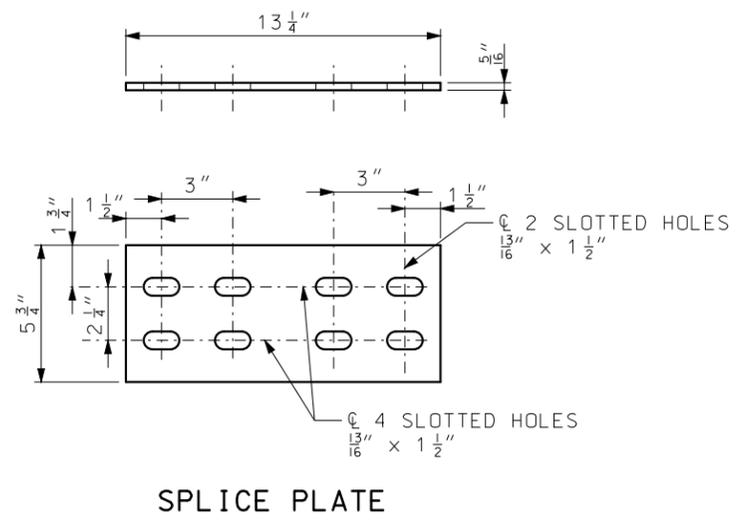
ELEVATION
TRANSITION CAP RAIL

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

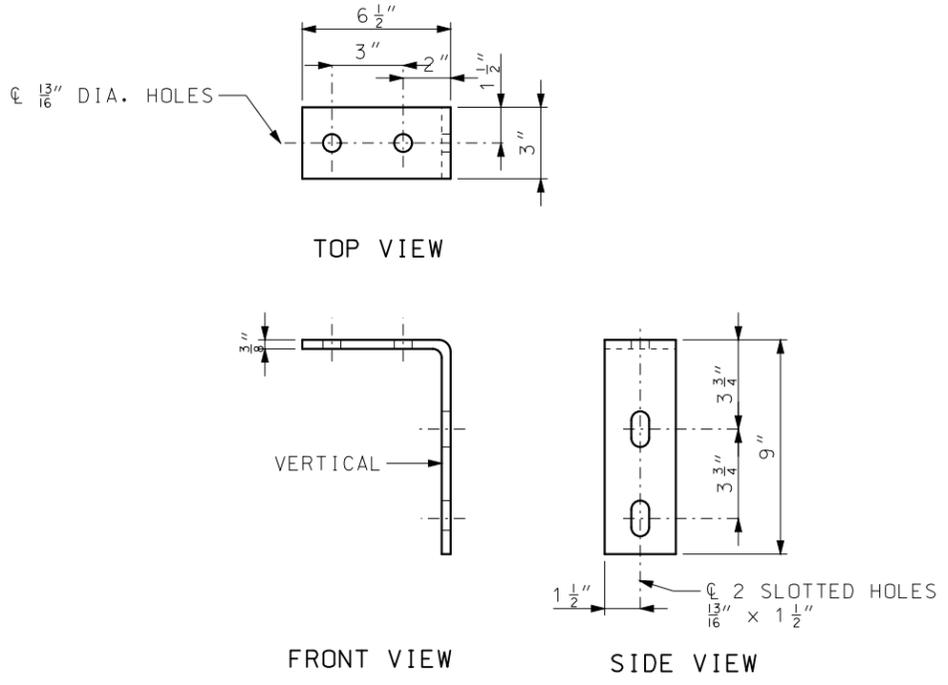
	MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
		MIDWEST GUARDRAIL SYSTEM (MGS) BRIDGE APPROACH TRANSITION (THRIE BEAM ON BRIDGE)
DATE EFFECTIVE: 10/01/2016 DATE PREPARED: 8/11/2016	606.70A	SHEET NO. 4 OF 5



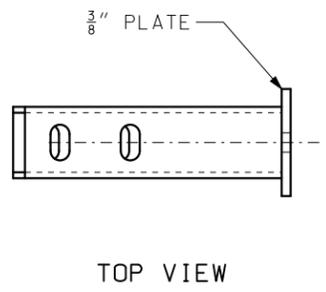
CAP RAIL ANGLE
 $\angle 3\frac{1}{2}'' \times 3\frac{1}{2}'' \times \frac{5}{16}''$



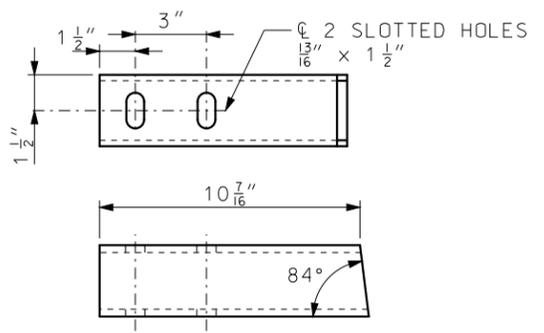
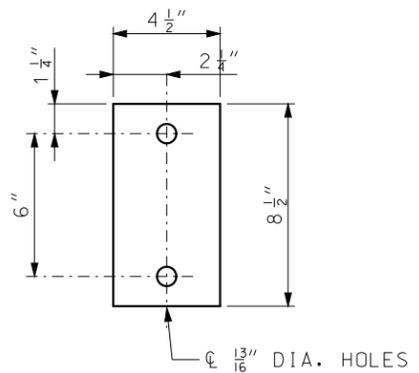
SPLICE PLATE



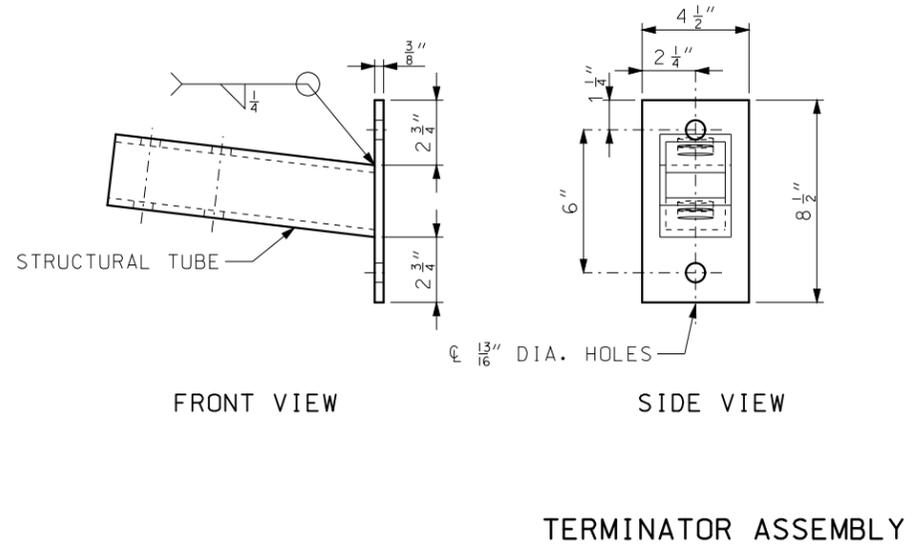
BENT PLATE CONNECTOR



3/8" PLATE



STRUCTURAL TUBE
 TS 3" x 3" x 5/16"



TERMINATOR ASSEMBLY

 MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION 105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)	
	MIDWEST GUARDRAIL SYSTEM (MGS) BRIDGE APPROACH TRANSITION (THRE BEAM ON BRIDGE)
DATE EFFECTIVE: 10/01/2016 DATE PREPARED: 8/11/2016	SHEET NO. 606.70A 5 OF 5

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