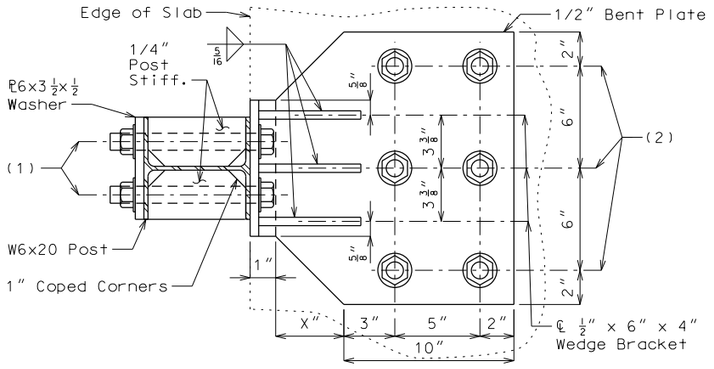


SECTION C-C

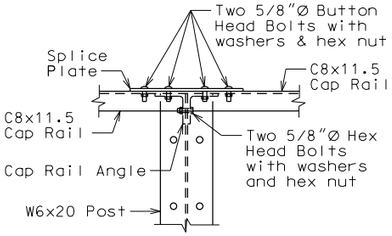
(1) UPPER POST-TO-BENT PLATE CONN.
- ℄ 1"Ø A325 High Strength Bolt with hex nut and hardened washer
- ℄ 1 1/16" x 1 1/2" Vertical Slotted Hole in both post flanges
- ℄ 1 1/16"Ø Hole in washer plate and bent plate

(1) LOWER POST-TO-GIRDER CONNECTION
℄ Resin Anchor System to include:
- 7/8"Ø (Min.) Drilled Hole in girder or as recommended by manufacturer
- 1"Ø Hole in inside post flange and both end plates
- 3/4"Ø A449 High Strength Threaded Rod snug tight and embedded 5 inches in girder
- Hex Nut and Hardened Locking Washer

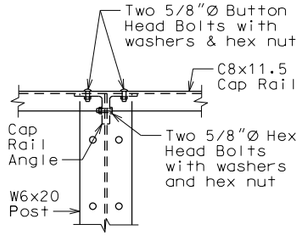
[1] (1) OPTIONAL LOWER POST-TO-TIE CONNECTION
- ℄ 3/4"Ø A325 High Strength Bolt with hex nut and hardened washer
- ℄ 15/16"Ø Hole in inside post flange and outside end plate

(2) BENT PLATE-TO-DECK CONNECTION
℄ Resin Anchor Systems each to include:
- 1 1/8"Ø (Min.) Drilled Hole in slab or as recommended by manufacturer
- 1 1/4"Ø Hole in bent plate
- 1"Ø A449 High Strength Threaded Rod snug tight & embedded 8 inches in slab
- Hex Nut and 2 1/2"Ø Hardened Locking Washer

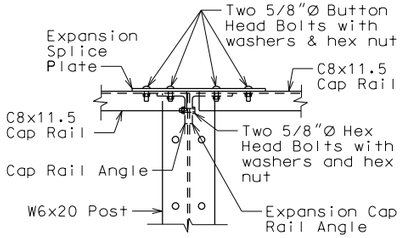
[2]



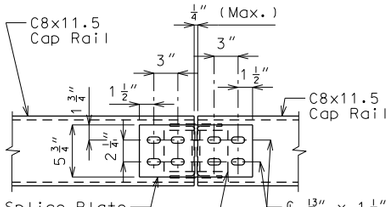
ELEVATION OF TYPICAL SPLICE



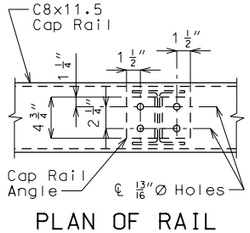
ELEVATION OF RAIL POST CONNECTION



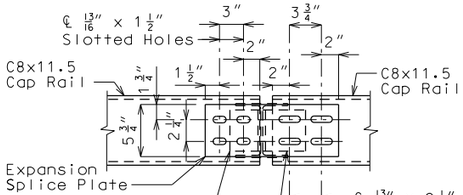
ELEVATION OF EXPANSION SPLICE



PLAN OF TYPICAL SPLICE

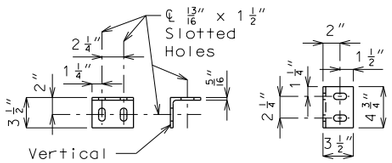


PLAN OF RAIL POST CONNECTION



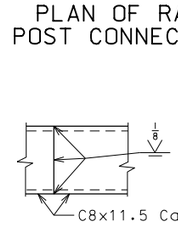
PLAN OF EXPANSION SPLICE

Expansion slots shall be on the same side of post as the expansion joint.



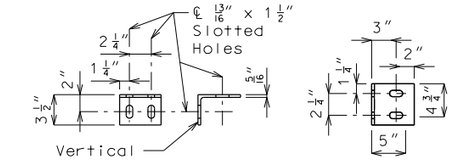
CAP RAIL ANGLE

L3 1/2x3 1/2x5/16



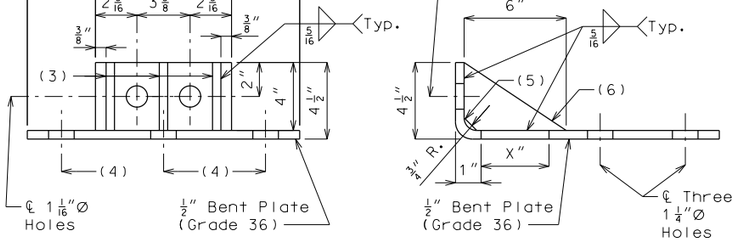
OPTIONAL SPLICE

One shop or field splice per panel may be provided at any location.



EXPANSION CAP RAIL ANGLE

L5x3 1/2x5/16



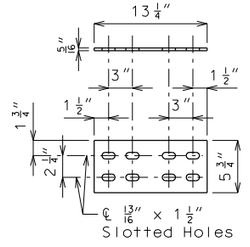
(3) 1/2" x 6" x 4" Wedge Bracket

(4) ℄ Two 1 1/4"Ø Holes

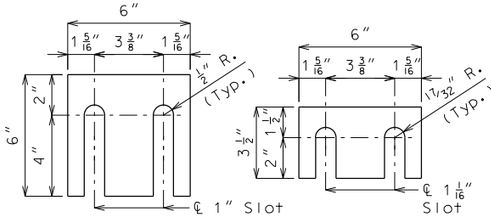
(5) 3/4" Coped Corners

(6) Three 1/2" x 6" x 4" Wedge Brackets

BENT PLATE AND WEDGE BRACKET



SPLICE PLATE

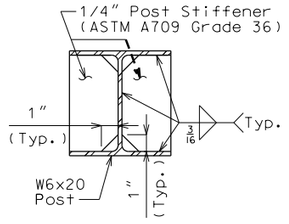


SHIM PLATES

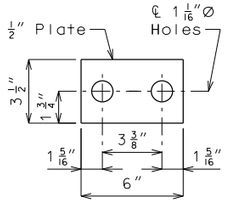
Shim plates 6 x 3 x 1/16-inch may be used between the W6x20 post and 1/2-inch bent plate connetion as required for horizontal alignment.

Shim plates may vary in thickness from 1/16 inch to the thickness required, and may be used in multiples.

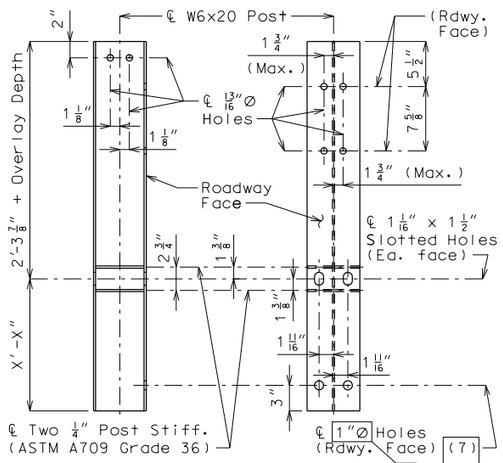
Shim plates shall be galvanized after fabrication.



POST STIFFENERS

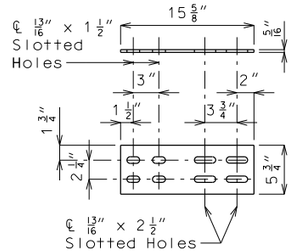


WASHER PLATE



DETAILS OF POST

(7) 15/16"Ø for optional connection



EXPANSION SPLICE PLATE

Standard Drawing Guidance (do not show on plans):

[1] These details are used in combination with drawing THRIE 4A. Remove these details in combination with drawing THRIE 4D while using 15/16" for diameter of the bottom two holes in the Details of Post.

[2] These notes are used in combination with drawing THRIE 4A. Replace with below notes in combination with drawing THRIE 4D.

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED	
4/16/2018	
ROUTE	STATE
*	MO
DISTRICT	SHEET NO.
BR	*
COUNTY	
*	
JOB NO.	
*	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
THRIE 4B	

DESCRIPTION | DATE

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

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
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JEFFERSON CITY, MO 65102
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Detailed
Checked

Note: This drawing is not to scale. Follow dimensions.

Sheet No. of