

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

DATE PREPARED  
2/21/2014

ROUTE 51 STATE MO  
DISTRICT BR SHEET NO. 11

COUNTY BOLLINGER  
JOB NO. JOP2211  
CONTRACT ID.

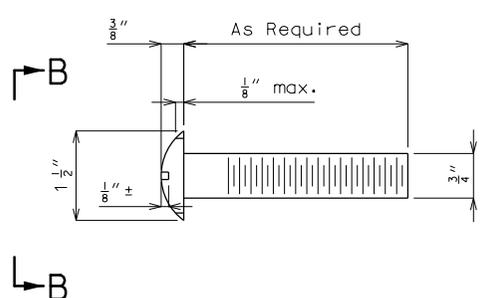
PROJECT NO.

BRIDGE NO. G03152

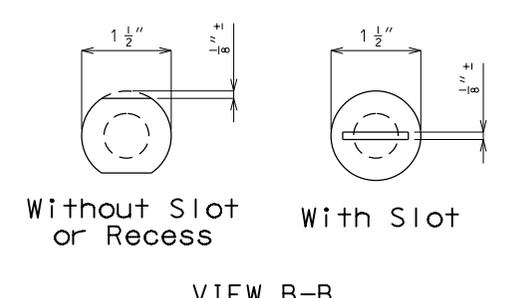
DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

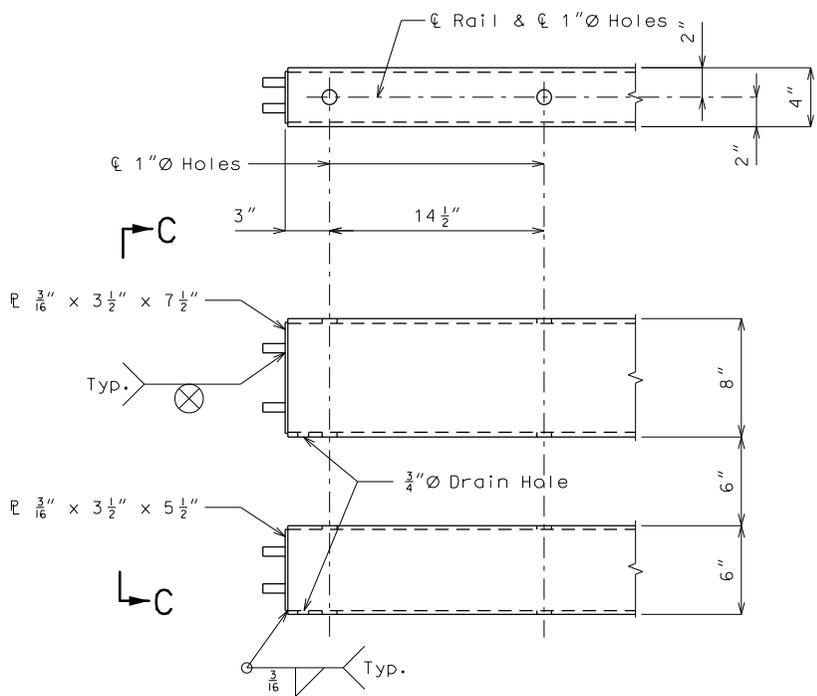
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



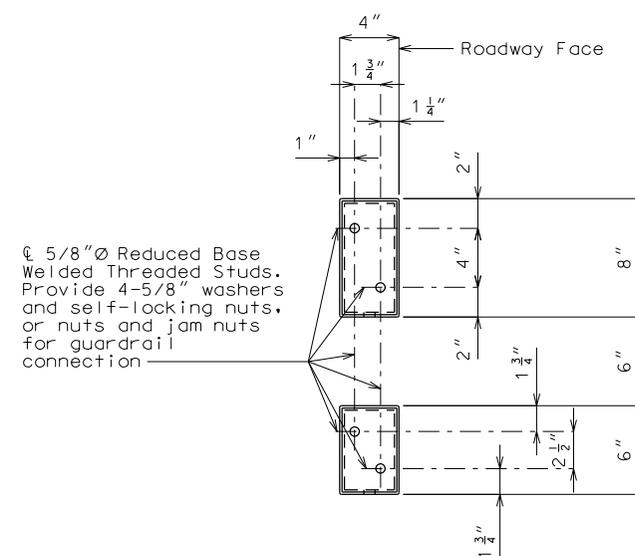
DETAIL OF 3/4" Ø ROUND HEAD BOLT



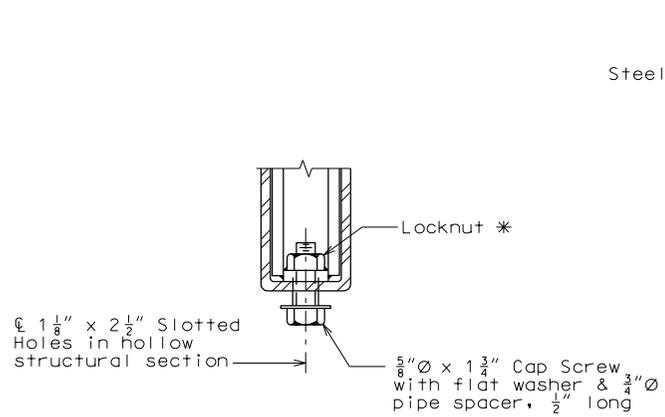
VIEW B-B



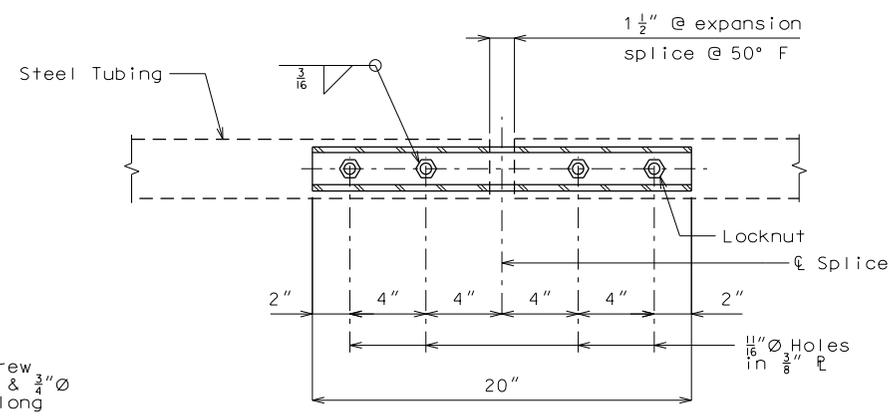
END OF RAIL DETAILS



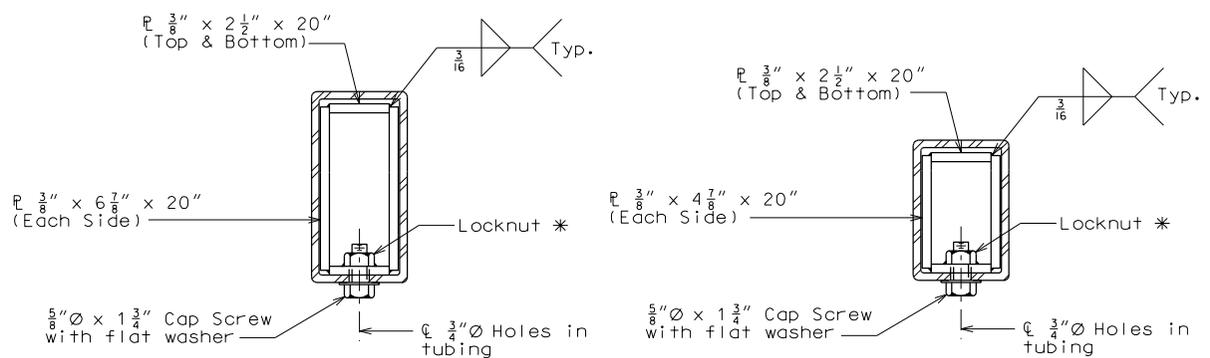
SECTION C-C



RAIL SPLICE CONNECTION AT EXPANSION JOINT



PLAN BOTTOM SPLICE TYPICAL



SECTIONS AT RAIL SPLICE

Notes:

- Fabrication of structural steel shall be in accordance with Sec 712 and 1080.
- Hollow structural sections shall be in accordance with ASTM designation A 500 Grade B Structural Steel Tubing and shall meet the longitudinal CVN requirements of 15 ft-lbs at 0° F, see Sec 1080 for reporting.
- All other steel shapes and plates shall be in accordance with AASHTO M 270 Grade 36 except posts shall be in accordance with AASHTO M 270, Grade 50.
- Bolts, cap screws, and nuts shall be in accordance with ASTM designation A 307 except for high strength bolts, nuts and washers noted which shall be in accordance with AASHTO M 164.
- All bolts, nuts, cap screws, washers and lock washers shall be galvanized in accordance with AASHTO M 232.
- All posts, railing, rail splices, and angles shall be galvanized after shop fabrication in accordance with AASHTO M 111 and ASTM A 385. Galvanized rail shall not be painted.
- Railing shall be in accordance with Sec 713, except as noted.
- All field drilled holes shall be coated with an approved zinc rich paint before erection.
- HSS = Hollow Structural Section
- \* Tack weld nut to plate.