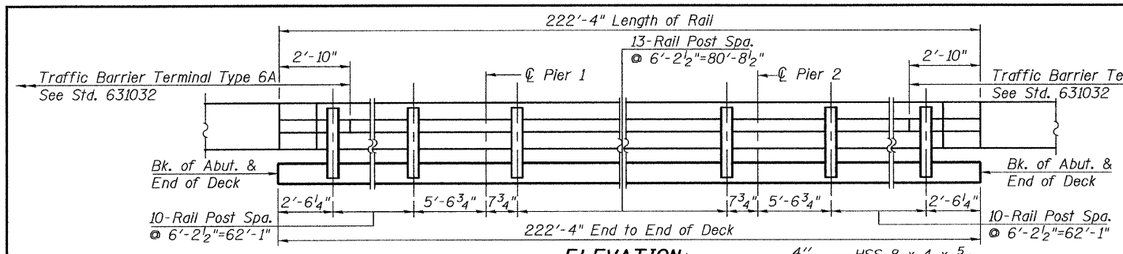
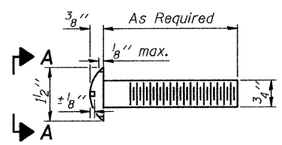
| ROUTE NO. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---|---|---|---|
| F.A.S. 287 | * | GRUNDY | 33 | 19 |
| FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT- | | |

SHEET NO. 14
25 SHEETS

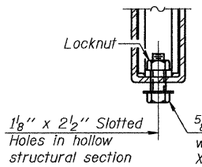
Contract #87376 *05-00039-03-BR



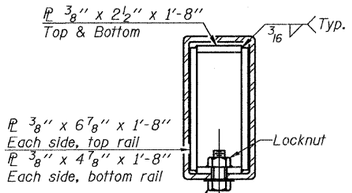

ELEVATION



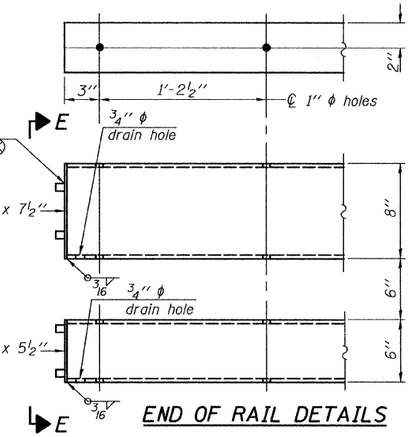

DETAIL OF 3/4" ϕ ROUND HEAD BOLT



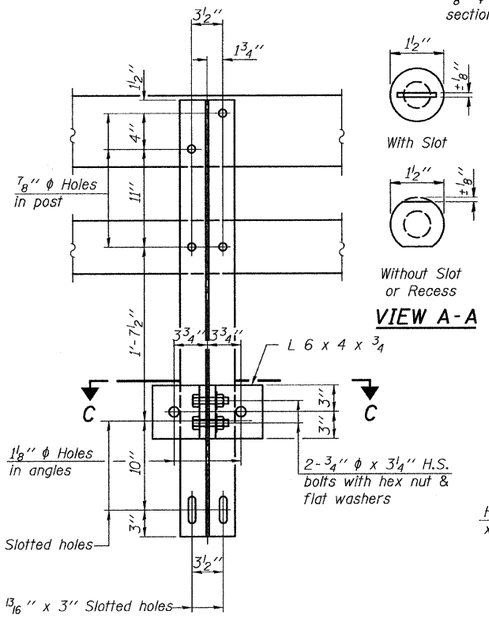

RAIL SPLICE CONNECTION AT EXPANSION JT.




SECTION AT RAIL SPLICE



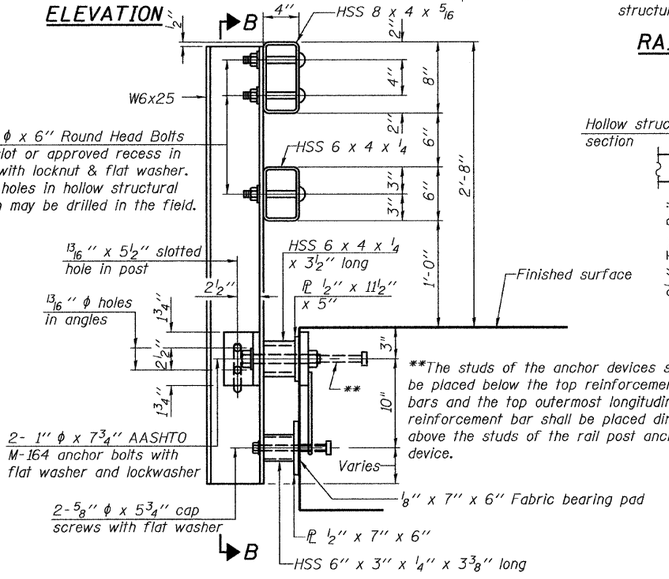

END OF RAIL DETAILS




SECTION B-B

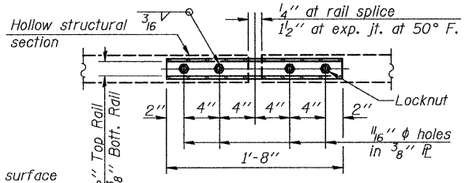



VIEW A-A

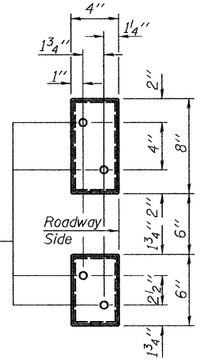



SECTION AT RAIL POST

**The studs of the anchor devices shall be placed below the top reinforcement bars and the top outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.

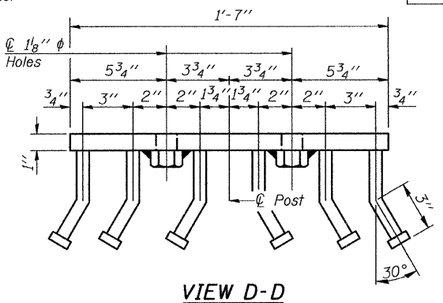



PLAN-BOTT. SPLICE ℄ TYPICAL



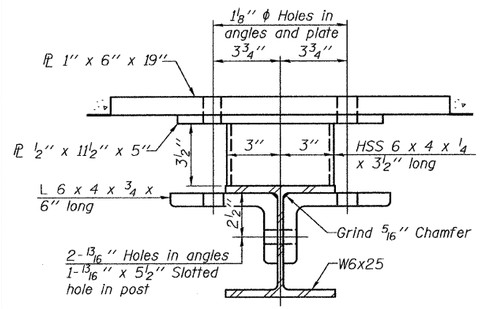

VIEW E-E

℄ - 5/8" reduced base welded studs. Provide 4 - 5/8" washers and self-locking nuts or nuts and jam nuts for guardrail connection shown on Std. 631032

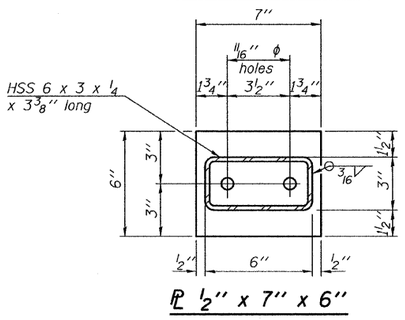



VIEW D-D

Notes:
All field drilled holes shall be coated with an approved zinc rich paint before erection.
For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.
Steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



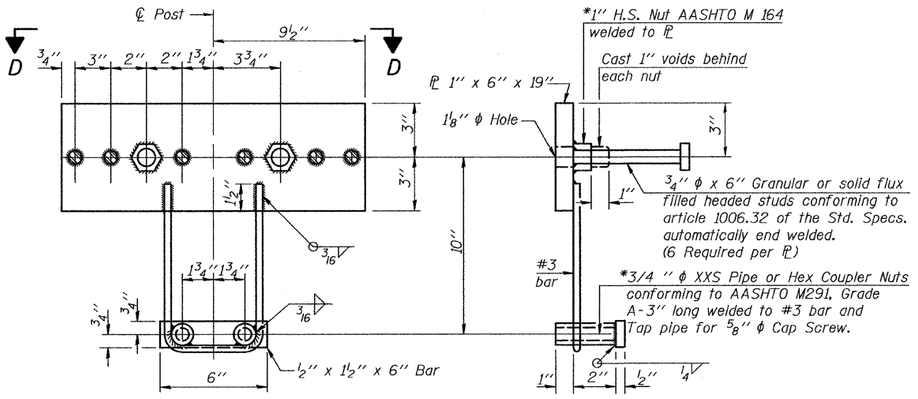

SECTION C-C




℄ 1/2" x 11 1/2" x 5"




℄ 1/2" x 7" x 6"




ANCHOR DEVICE

*Threaded areas shall be plugged or blocked off during casting of beam. Galvanized after fabrication.

BILL OF MATERIAL

| Item | Unit | Quantity |
|---|---|---|
| Steel Railing, Type SM | Foot | 445 |

ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET TITLE
STEEL RAILING, TYPE SM

PROJECT
F.A.S. RT. 287 (C.H. 29)
SECTION 05-00039-03-BR
GRUNDY COUNTY
STATION 126+42.00
STRUCTURE NO. 032-3101

PROJECT NO. 05042
SCALE
DATE 8/27/09
DRAWN BY TFG
CHECKED BY MCB/CME
DRAWING NO. 14 OF 25 SHTS

COOMBE-BLOXDORF P.C.
Engineers / Land Surveyors
Springfield, Illinois
Design Firm License No. 184-002703

PLOT DATE = 08/27/2009
FILE NAME = c:\projects\bridge-plans\sht-14.dgn
PLOT SCALE = 24.0000 '/ IN.
USER NAME = DTC