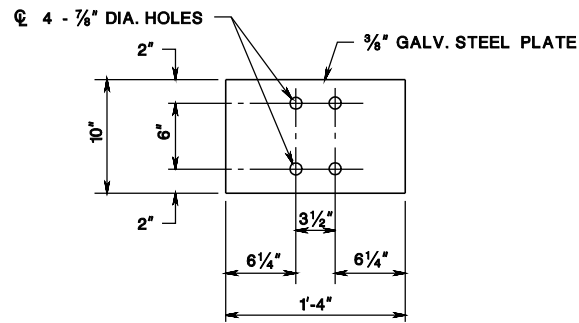
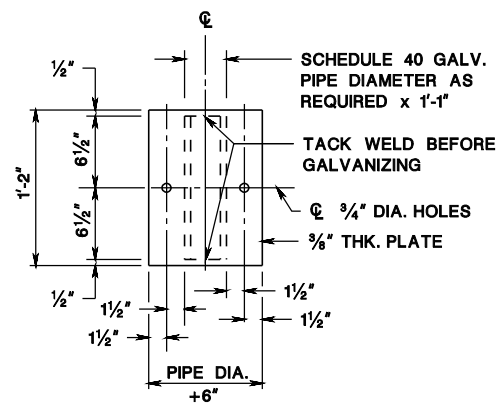


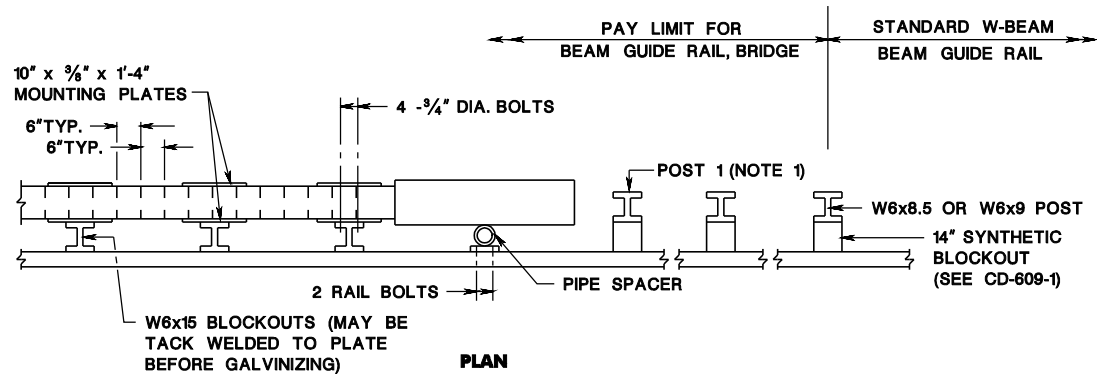
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BDC7D-02-REVISIONS TO CD-609-12
BDC7D-01-ORIGINAL SHEET



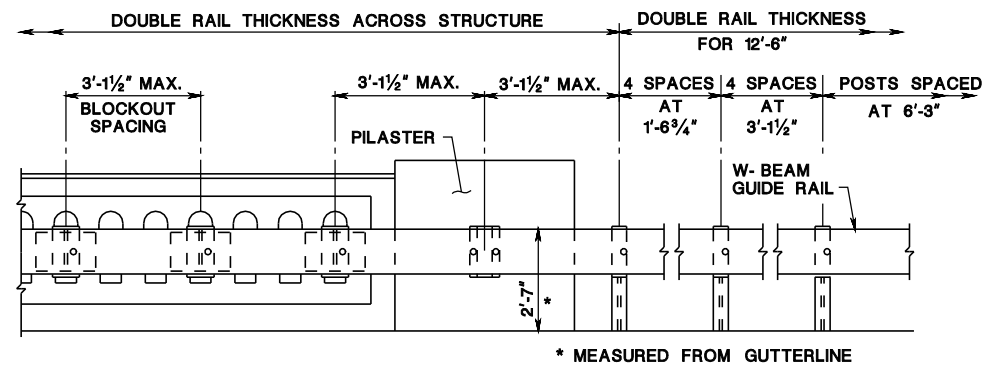
MOUNTING PLATE



PIPE SPACER



PLAN

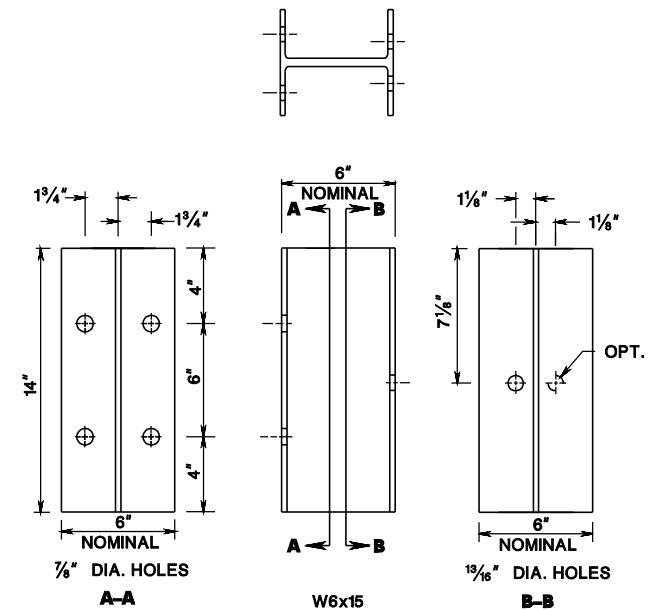


ELEVATION

BEAM GUIDE RAIL ATTACHMENT TO AN EXISTING BALUSTRADE

NOTES:

1. WHEN THE CONFIGURATION OF BRIDGE ABUTMENTS AND WINGWALLS DO NOT ACCOMMODATE THE INSTALLATION OF POST 1, THE W6x20 POST MAY BE ATTACHED TO THE ABUTMENT HEADER WITH THE USE OF A BASE PLATE.
2. STRUCTURAL STEEL PLATES AND SHAPES TO CONFORM TO ASTM A36 AND BE GALVANIZED PER ASTM A123.
3. STEEL BOLTS, NUTS AND WASHERS TO CONFORM TO ASTM A307, UNLESS DESIGNATED AS HIGH STRENGTH STEEL. HIGH STRENGTH BOLTS, NUTS AND WASHERS TO CONFORM TO ASTM F3125, GRADE A325. HARDWARE TO BE GALVANIZED PER ASTM A153.
4. THIS DETAIL CAN IMPROVE THE IMPACT PERFORMANCE OF A SUBSTANDARD BALUSTRADE RAILING, BUT IT MAY NOT BRING THE BALUSTRADE RAILING INTO FULL COMPLIANCE WITH AASHTO DESIGN CRITERIA. THIS DETAIL SHALL NOT BE USED ON A BRIDGE DECK REPLACEMENT OR SUPERSTRUCTURE REPLACEMENT PROJECT.



6" BLOCKOUT

BEAM GUIDE RAIL ATTACHMENTS

N.T.S.

CD-609-12

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

CD-609-12.1