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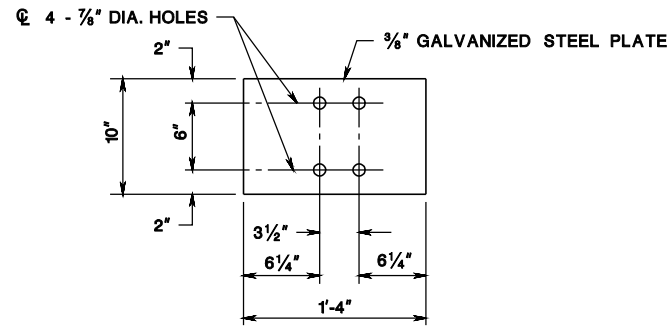
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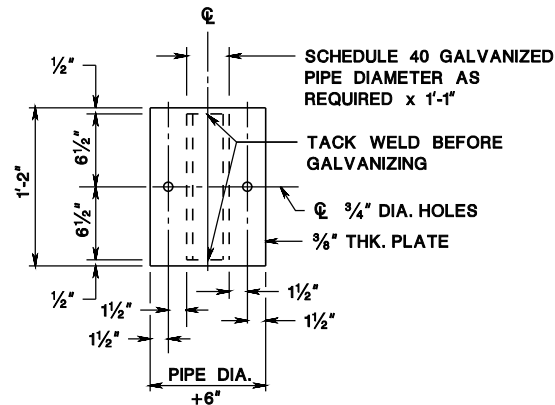
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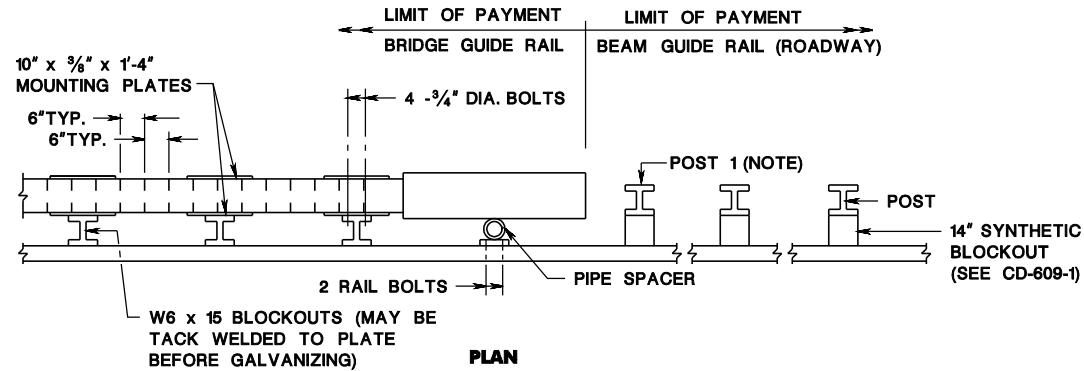
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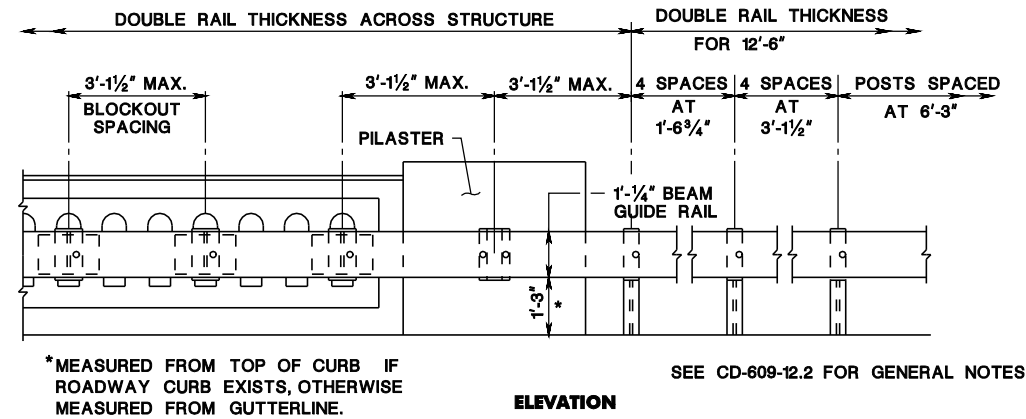
MOUNTING PLATE



PIPE SPACER

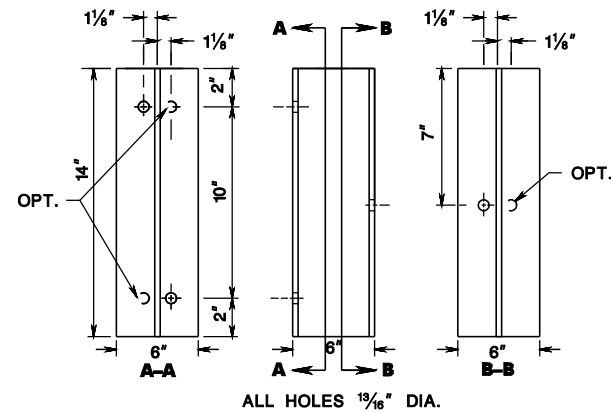


PLAN



ELEVATION

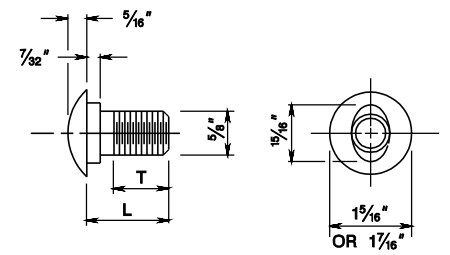
BEAM GUIDE RAIL ATTACHMENT TO EXISTING BALUSTRADE



14" BLOCKOUT
W6 x 15 STEEL POST

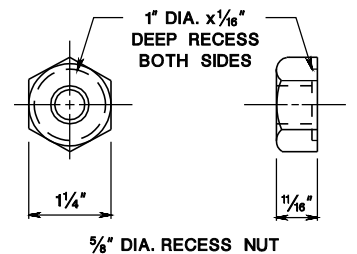
NOTES:

1. WHEN THE CONFIGURATION OF BRIDGE ABUTMENTS AND WINGWALLS DO NOT ACCOMMODATE THE INSTALLATION OF POST 1, THE W6 x 20 POST MAY BE ATTACHED TO THE ABUTMENT HEADER WITH THE USE OF A BASE PLATE, SEE CD-609-11.2.
2. 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. DO NOT USE THIS DETAIL ON BRIDGE DECK REPLACEMENT OR SUPERSTRUCTURE REPLACEMENT PROJECTS.



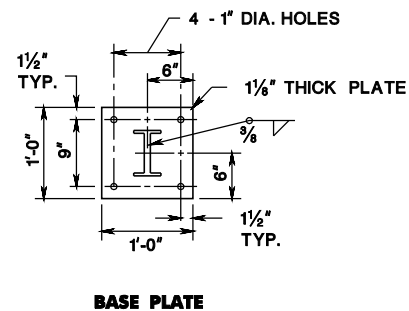
5/8" BUTTON HEAD BOLT

TYPE	L	T
SPLICE	1 1/4"	1 1/4"
RAIL	2"	1 1/2"

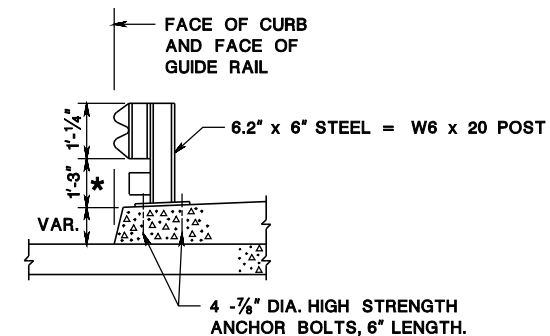


SPLICE AND RAIL NUT AND BOLT

CD-609-11.1



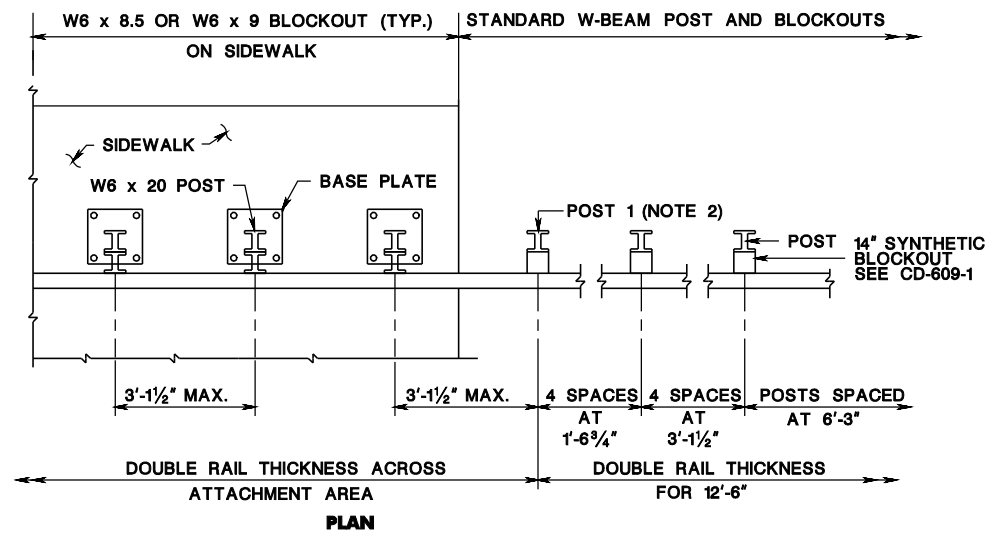
BASE PLATE



BEAM GUIDE RAIL SECTION

* MEASURED FROM TOP OF CURB IF ROADWAY CURB EXISTS, OTHERWISE MEASURED FROM GUTTER LINE.

SEE CD-609-12.2 FOR GENERAL NOTES

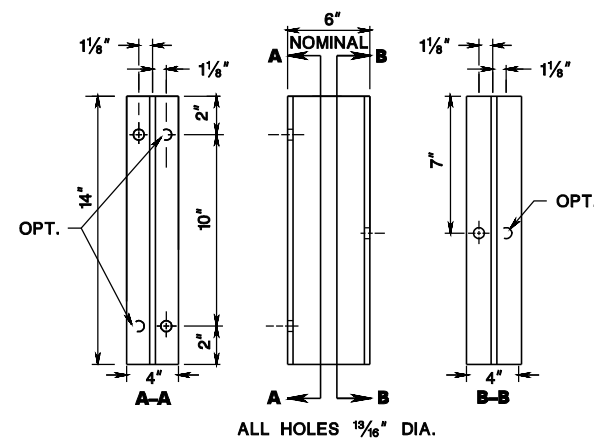


PLAN

BEAM GUIDE RAIL ATTACHMENT TO SIDEWALK

NOTES:

1. USE "BEAM GUIDE RAIL BRIDGE" ITEM IF SIDEWALK IS ON A STRUCTURE. IF SIDEWALK IS NOT ON A STRUCTURE, USE "BEAM GUIDE RAIL" ITEM AND AND SIDEWALK TO BE MINIMUM 8 INCHES THICK.
2. WHEN THE CONFIGURATION OF BRIDGE ABUTMENTS AND WINGWALLS DO NOT ACCOMMODATE THE INSTALLATION OF POST 1, THE W6 x 20 POST MAY BE ATTACHED TO THE ABUTMENT HEADER WITH THE USE OF A BASE PLATE.



14" BLOCKOUT
W6 x 9 OR W6 x 8.5 STEEL POST

BEAM GUIDE RAIL ATTACHMENTS

N.T.S.

CD-609-11

NEW JERSEY DEPARTMENT OF TRANSPORTATION

CONSTRUCTION DETAILS

CD-609-11.2