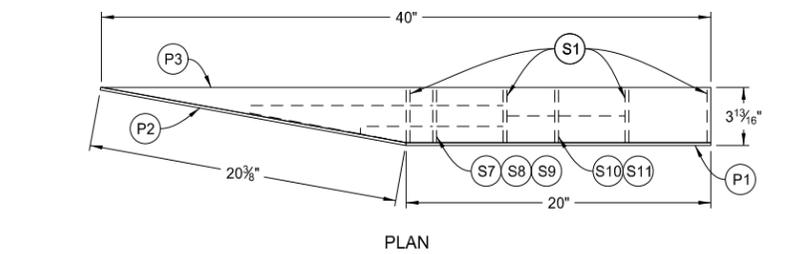
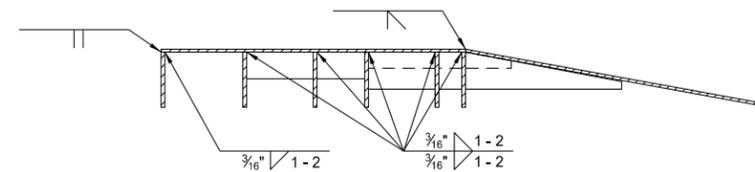


SINGLE SLOPE TO THRIE BEAM CONNECTOR PLATE DETAILS

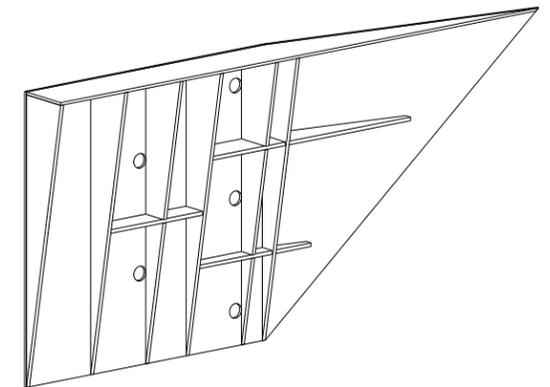


PLAN

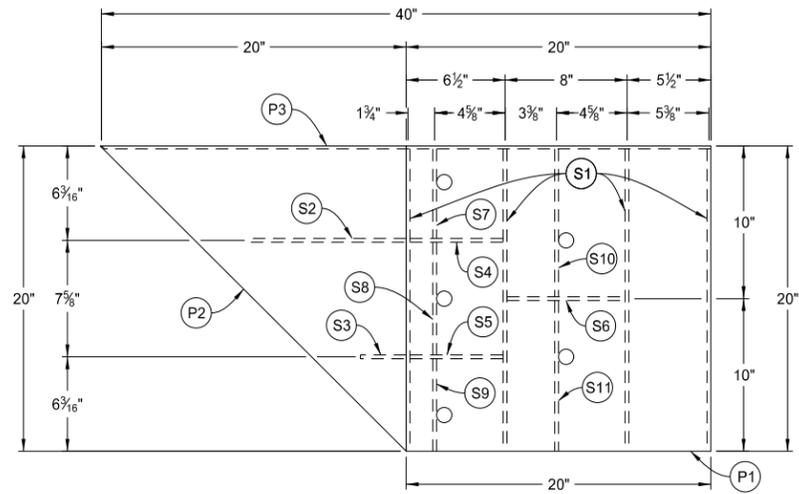
NOTE: Assembly Detail is shown for guardrail installation on right hand side of entrance end of bridge barrier. Mirror for opposite side installation.



SECTION A-A

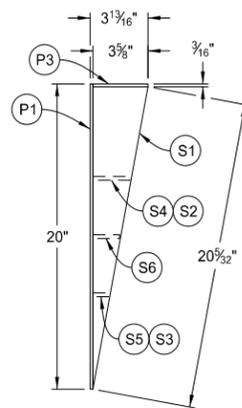


PICTORIAL DRAWING
(Showing Back of Connector Plate)

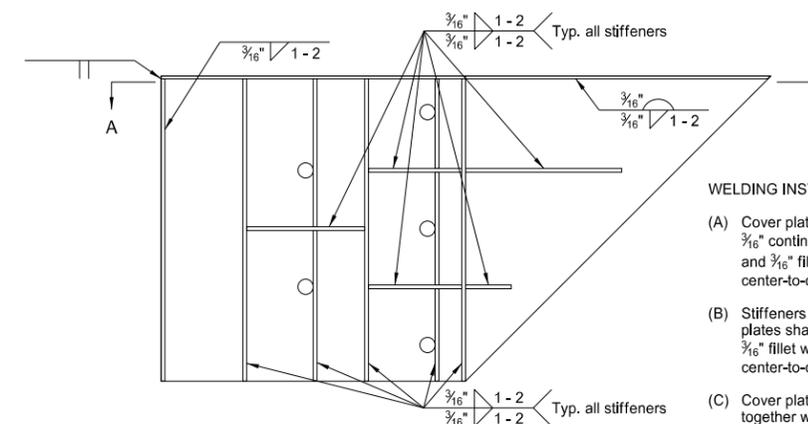


ELEVATION

ASSEMBLY DETAIL
(Front View)



END



ELEVATION

WELDING DETAIL
(Back View)

WELDING INSTRUCTIONS:

- (A) Cover plate P3 shall be welded as follows: $\frac{3}{16}$ " continuous back weld on exterior sides and $\frac{3}{16}$ " fillet weld 1" long spaced at 2" center-to-center on interior sides.
- (B) Stiffeners located on the inside of the cover plates shall be welded as follows: $\frac{3}{16}$ " fillet weld 1" long spaced at 2" center-to-center.
- (C) Cover plates P1 and P2 shall be welded together with full penetration groove weld.

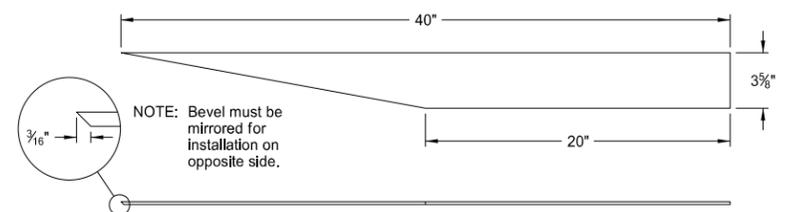


PLATE P3
Quantity: 1

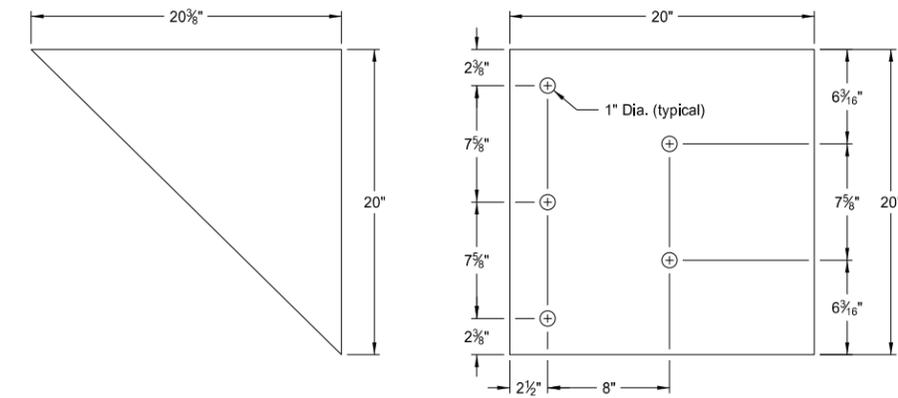
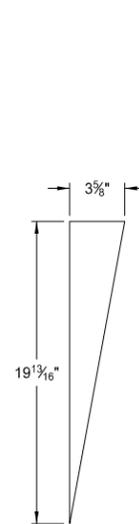


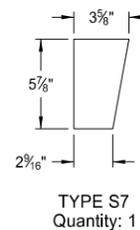
PLATE P2
Quantity: 1

PLATE P1
Quantity: 1

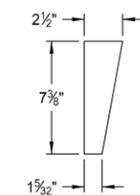
COVER PLATES



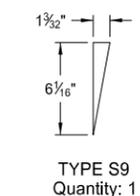
TYPE S1
Quantity: 4



TYPE S7
Quantity: 1

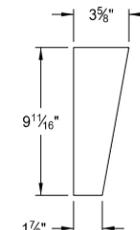


TYPE S8
Quantity: 1

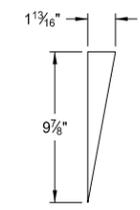


TYPE S9
Quantity: 1

VERTICAL PLATES

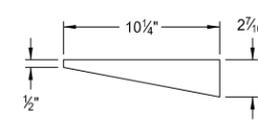


TYPE S10
Quantity: 1

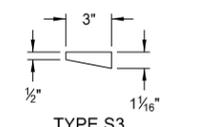


TYPE S11
Quantity: 1

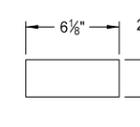
STIFFENER PLATES



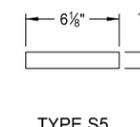
TYPE S2
Quantity: 1



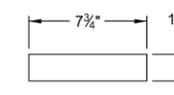
TYPE S3
Quantity: 1



TYPE S4
Quantity: 1



TYPE S5
Quantity: 1



TYPE S6
Quantity: 1

HORIZONTAL PLATES

NOTES:

- 1. Cover plates P1, P2, and P3 shall be fabricated from $\frac{3}{16}$ " thick ASTM A36 Grade structural steel.
- 2. Stiffener plates shall be fabricated from $\frac{1}{4}$ " thick ASTM A36 Grade structural steel.
- 3. Connector plate shall be galvanized in accordance with AASHTO M111.

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION	
7-14-17	
REVISIONS	
DATE	CHANGE

This document was originally issued and sealed by Roger Weigel, Registration Number PE-2930, on 7/14/17 and the original document is stored at the North Dakota Department of Transportation