JERSEY BARRIER TO THRIE BEAM CONNECTOR PLATE DETAILS

NOTE: Assembly Details shown for barrier installation on right-hand side of embankment or left of bridge barrier. Mirror for opposite side installation.

PLATE P2
Quantity: 1

PLATE P1
Quantity: 1

COVER PLATES

STIFFENER PLATES

HORIZONTAL PLATES

VERTICAL PLATES

TYPE S1
Quantity: 1

TYPE S2
Quantity: 1

TYPE S3
Quantity: 1

TYPE S4
Quantity: 1

TYPE S5
Quantity: 1

TYPE S6
Quantity: 1

TYPE S7
Quantity: 1

TYPE S8
Quantity: 1

TYPE S9
Quantity: 1

NOTE:
1. Cover plates P1 and P2 shall be fabricated from 1/8” thick ASTM A36 Grade structural steel.
2. Stiffener plates shall be fabricated from 3/8” thick ASTM A36 Grade structural steel.
3. Connector plate shall be galvanized in accordance with AASHTO M111.

WELDING INSTRUCTIONS:
(A) Stiffeners located on the outside edges of the cover plates shall be welded as follows: 3/8” fillet weld 1” long spaced at 2” center-to-center on exterior sides.
(B) Stiffeners located on the inside of the cover plates shall be welded as follows: 3/8” fillet weld 1” long spaced at 2” center-to-center on interior sides.
(C) Cover plates P1 and P2 shall be welded together with a 3/8” continuous back weld on both sides.
(D) Weld components with 606 red.

WELDING DETAIL
(Showing Back of Connector Plate)

PICTORIAL DRAWING
(Showing Back of Connector Plate)

PLAN

ELEVATION

ASSEMBLY DETAIL
(Front View)

END

NOTE: Assembly Details shown for barrier installation on right-hand side of embankment or left of bridge barrier. Mirror for opposite side installation.

END

ELEVATION

WELDING DETAIL
(Back View)

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(D) Weld components with 606 red.

PICTORIAL DRAWING
(Showing Back of Connector Plate)