REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL
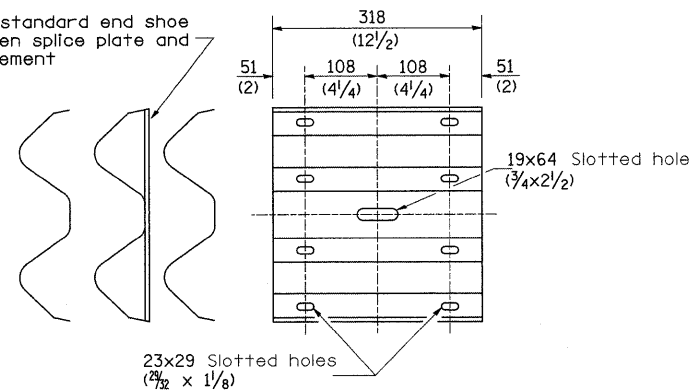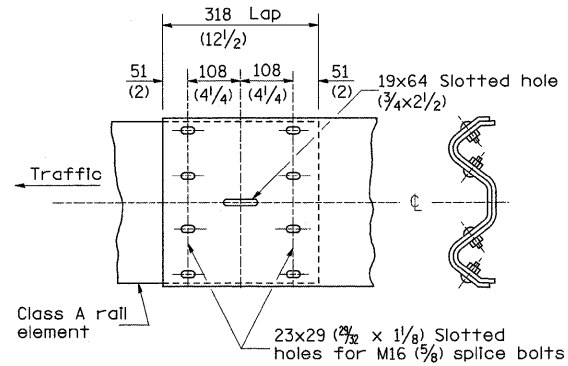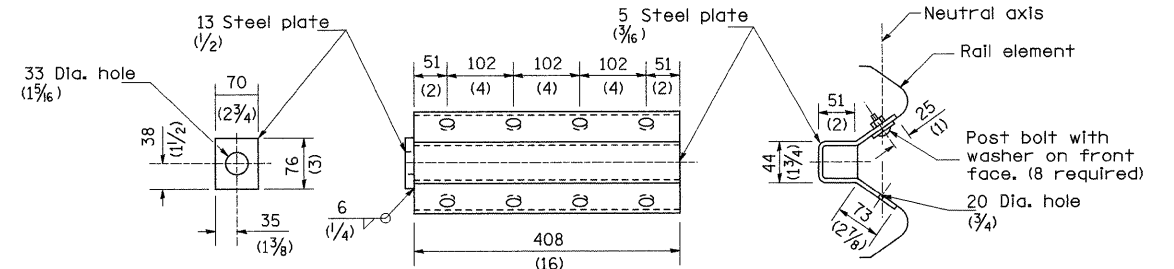

Place standard end shoe between splice plate and rail element

318 (12½)
51 (2) 108 (4¼) 108 (4¼) 51 (2)

19x64 Slotted hole (¾x2½)

23x29 Slotted holes (²⁹⁄₃₂ x 1⅛)

SPLICE PLATE

318 Lap (12½)
51 (2) 108 (4¼) 108 (4¼) 51 (2)

19x64 Slotted hole (¾x2½)

Traffic

Class A rail element

23x29 (²⁹⁄₃₂ x 1⅛) Slotted holes for M16 (⅝) splice bolts

RAIL ELEMENT SPLICE

13 Steel plate (½)
5 Steel plate (³⁄₁₆)
Neutral axis
Rail element

33 Dia. hole (1⁵⁄₁₆)
70 (2¾)
51 (2) 102 (4) 102 (4) 102 (4) 51 (2)
38 (1½)
76 (3)
35 (1⅜)
6 (¼)
408 (16)
44 (1¾)
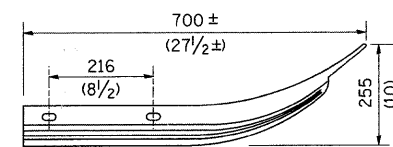51 (2)
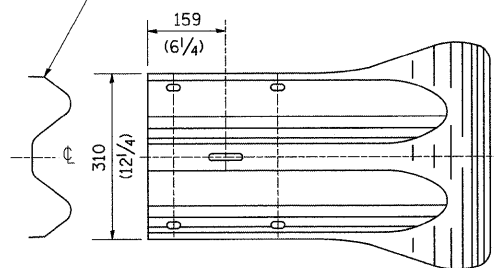Post bolt with washer on front face. (8 required)
20 Dia. hole (¾)

NOTE

Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

ANCHOR PLATE T DETAILS
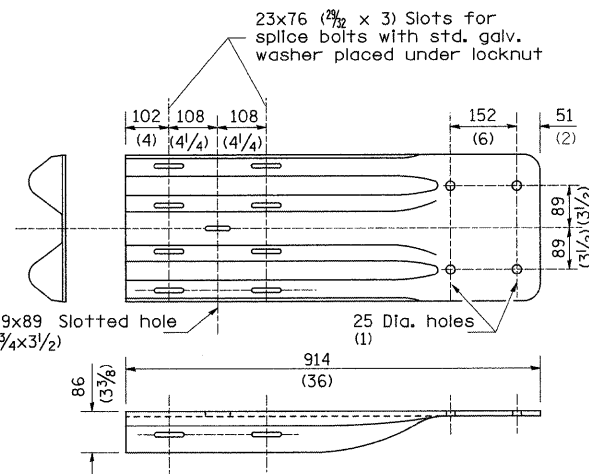
700 ± (27½±)
216 (8½)
255 (10)
Class A rail element
159 (6¼)
310 (12¼)

END SECTION

23x76 (²⁹⁄₃₂ x 3) Slots for splice bolts with std. galv. washer placed under locknut

102 (4) 108 (4¼) 108 (4¼) 152 (6) 51 (2)
89 (3½) 89 (3½)

19x89 Slotted hole (¾x3½)
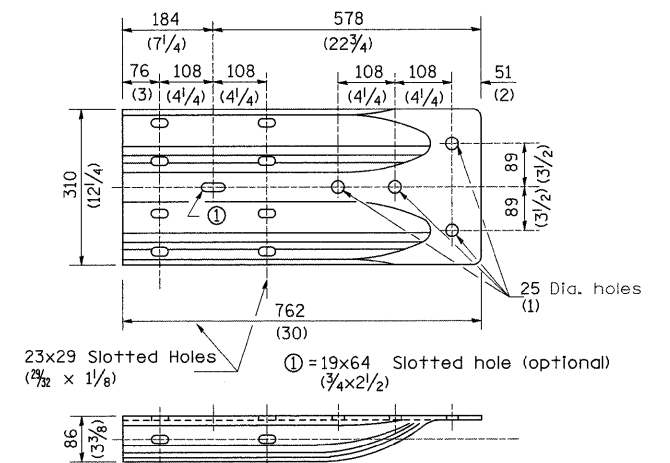25 Dia. holes (1)

914 (36)
86 (3⅜)

NOTE

When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.

Externally threaded studs protruding from the surface of the concrete will not be permitted.

END SHOE

184 (7¼) 578 (22¾)
76 (3) 108 (4¼) 108 (4¼) 108 (4¼) 108 (4¼) 51 (2)
310 (12¼)
89 (3½) 89 (3½)
25 Dia. holes (1)
762 (30)
23x29 Slotted Holes (²⁹⁄₃₂ x 1⅛)
① = 19x64 Slotted hole (optional) (¾x2½)
86 (3⅜)

ALTERNATE END SHOE