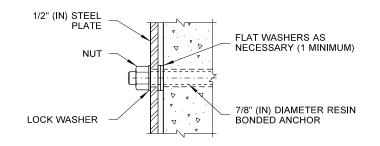


KEY NOTES

- Embedment and hole diameter per Manufacturer's recommendation, except embedment shall be 7 7/8" (in) min. ~ See "Hardware Assembly Detail". Do not damage existing reinforcement. Core drilling allowed if existing reinforcement is located prior to drilling. Roughen edges of core drilled holes.
- ② Center of resin bonded anchors shall be a minimum of 4" (in) from concrete joints and edges.
- Hole locations may be adjusted horizontally to avoid existing reinforcement. of holes shall have 1" (in) clearance minimum from plate and guardrail end section edges and shall be spaced a minimum of 6" (in) apart. Holes may be field drilled, in which case they shall be painted with two coats of paint conforming to Standard Specification Section 9-08.1(2)B.



HARDWARE ASSEMBLY
DETAIL

NOTES

- 1. All material and quality of work shall be in accordance with requirements of the current edition of the WSDOT Standard Specifications for Road, Bridge and Municipal Construction (M 41-10).
- Material Specifications:
 Steel shapes & Plates......ASTM A 36

Bolts, Nuts & Washers,

unless otherwise noted......Standard Specification
Sections 9-16.3(3) & 9-16.3(4)

Resin Bonded Anchors

(all thread)......ASTM A 193 Grade B7, or ASTM A 449
-See Contract Special Provisions for

material and construction requirements

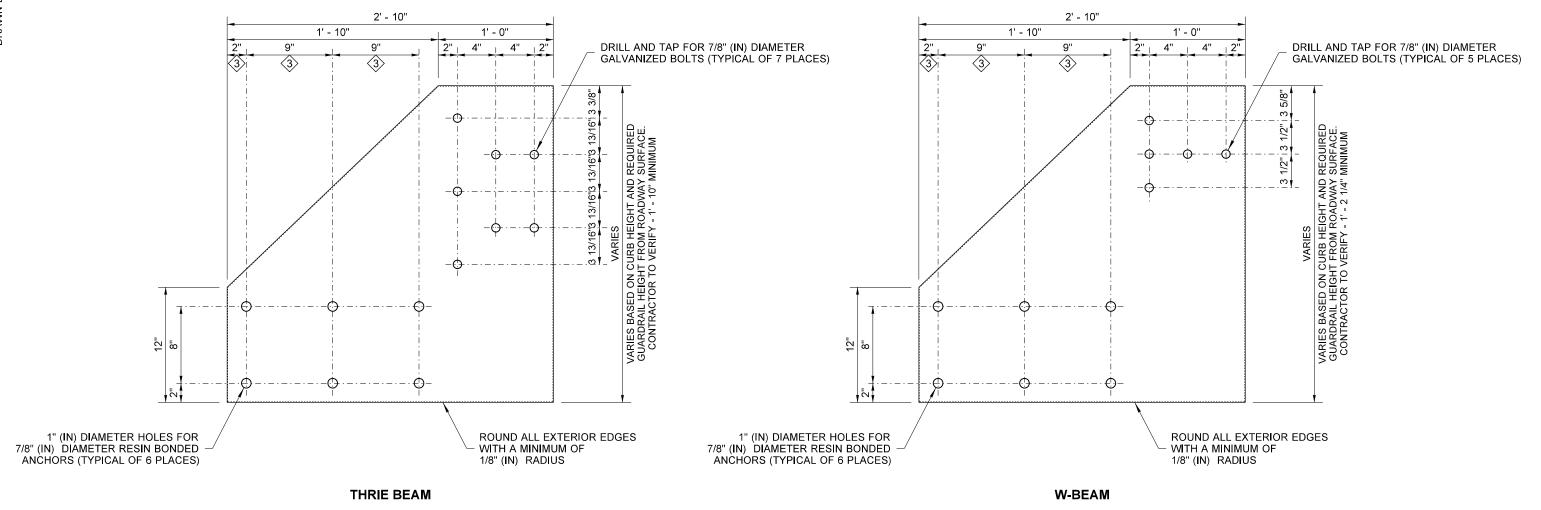
- All steel plates shall be galvanized in accordance with AASHTO M 111, after fabrication. Bolts and hardware shall be galvanized in accordance with AASHTO M 232.
- 4. All bolt holes shall be 1/16" (in) larger than the bolt diameter unless otherwise specified. Use template to locate holes in concrete. Bolt lengths not shown shall be sized to provide 1/4" (in) minimum of thread exposed beyond the nut.
- 5. Remove existing anchors in accordance with **Standard Specification Section 8-11.3(1)D** (Typical).
- 6. Resin bonded anchor grouping for a steel plate shall not bridge over a bridge deck expansion joint.



BEAM GUARDRAIL CONNECTION TO STRUCTURE ~ ADAPTER PLATE STANDARD PLAN C-24.15-00

SHEET 1 OF 2 SHEETS





STEEL PLATE DETAIL



BEAM GUARDRAIL CONNECTION TO STRUCTURE ~ ADAPTER PLATE STANDARD PLAN C-24.15-00

SHEET 2 OF 2 SHEETS

