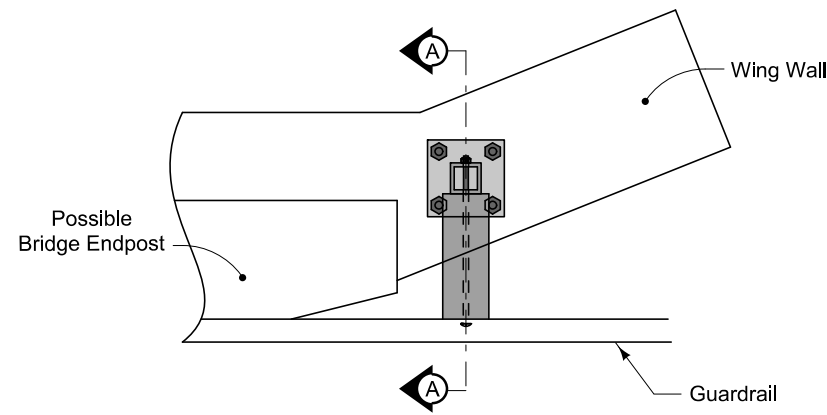


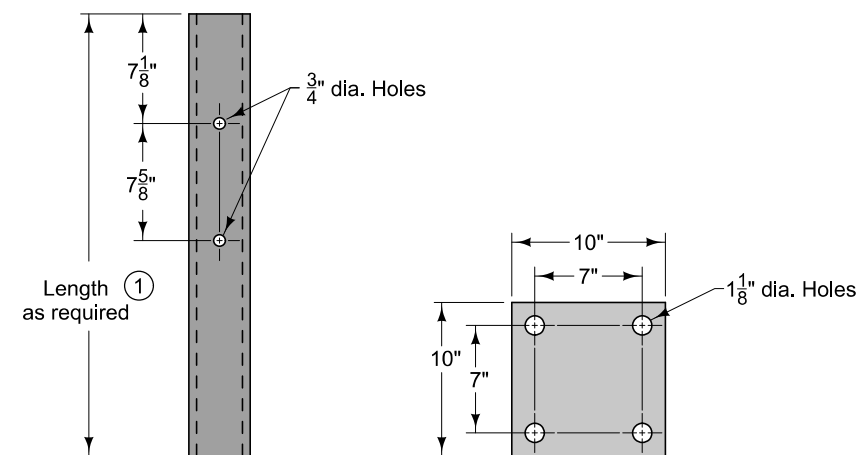
This sheet details an alternate method of attaching steel beam guardrail posts to a concrete wing wall that is located within the limits of the Barrier Transition Section.

Galvanize post assembly after fabrication.

- ① Select post length such that top of installed post matches height of adjacent guardrail post.
- ② Possible curb. See project plans.
- ③ Depth of the blockout varies depending on post offset behind the rail. Acceptable depths = 8, 12, 16, 20, or 24 inches. Achieve these depths using combinations of 8-inch and 12-inch blockouts only.
- ④ Attach post assembly to wing wall with 4 - 1" threaded rods. Minimum rod embedment = 8 inches. Anchor rods in place with a chemical adhesive listed in Materials I.M. 491.11 Appendix D, and having a minimum bond strength of 1300 psi. Follow manufacturer's installation guidance.



PLAN

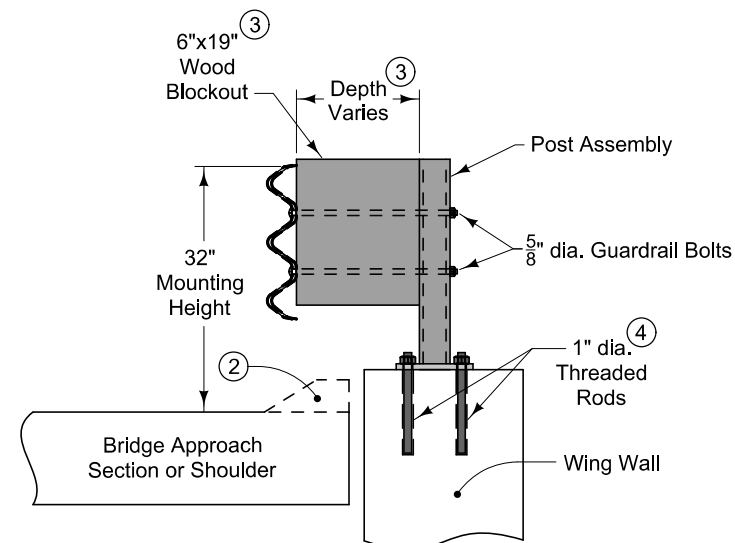


POST

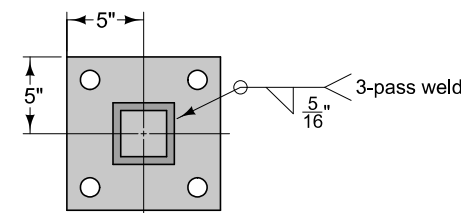
HSS 4" x 4" x 5/16"

BASE PLATE

10" x 10" x 3/4"



SECTION A-A



POST ASSEMBLY

Materials required per post location:

- (1) HSS 4" x 4" x 5/16"
- (1) 10" x 10" x 3/4" Base Plate (A36)
- (1) 6" x 19" x variable depth wood blockout
- (2) 5/8" dia. guardrail bolts and nuts
- (4) A193 Grade B7 1" threaded rods and nuts
- Approved adhesive chemical anchor

Refer to BA-200 for guardrail components

**STEEL BEAM GUARDRAIL
BARRIER TRANSITION SECTION
POST BOLTED TO WING WALL**