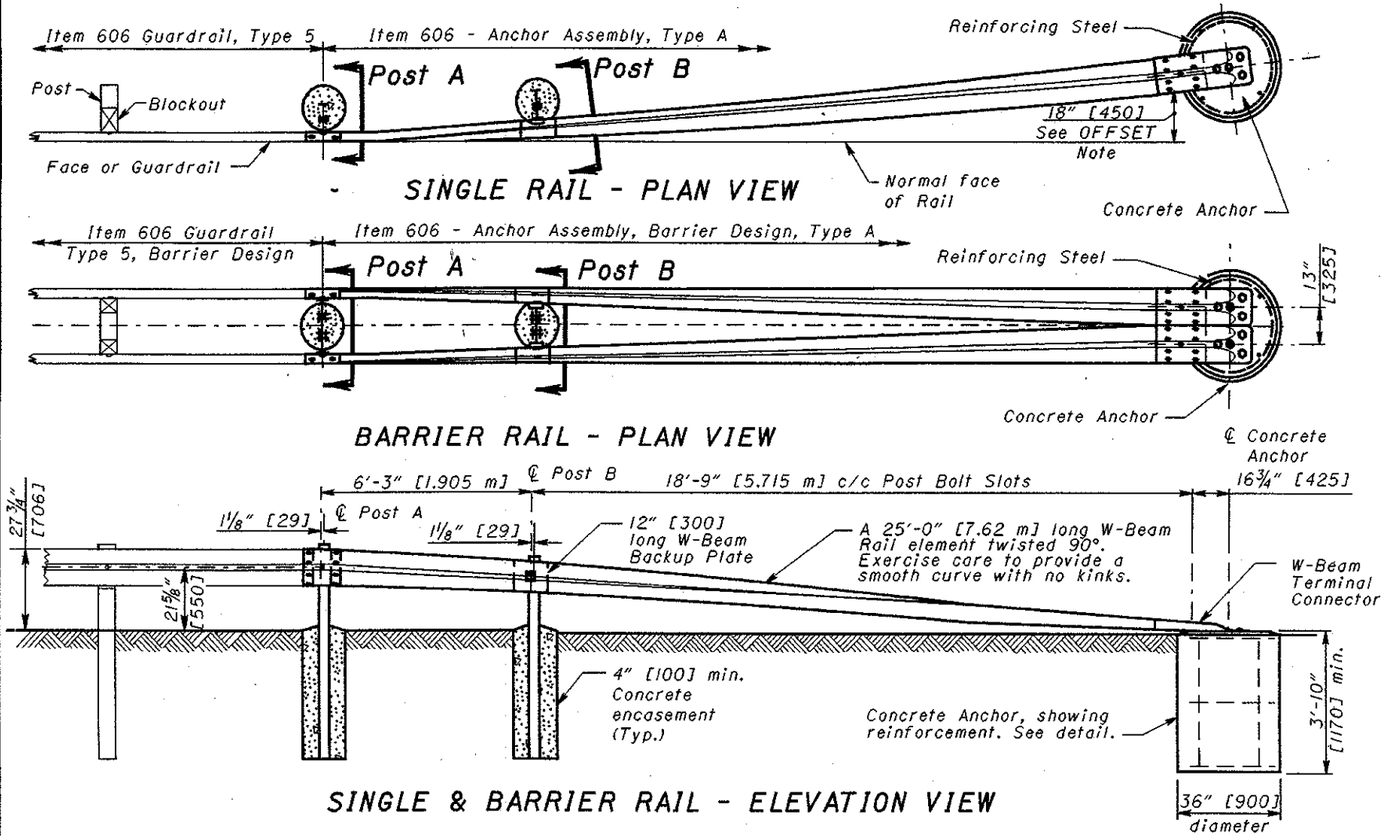


NOTES

APPLICATION: Use the Type A Anchor Assembly outside the clear zone on any roadway. On Non-NHS roadways it may be used in the clear zone, with restrictions. See **Location & Design Manual, Volume I,** Section 603.

GENERAL: For details not shown, see **SCD GR-1.1** and other Drawings pertaining to specific guardrail type. Galvanize all steel parts.

OFFSETS: See **SCD GR-5.1** for Standard Guardrail Flare. The 18" [450] flare offset from normal face of rail, shown in the plan view (for single rail installations) will be utilized only where shoulder is insufficient for providing standard flares.

POSTS: Steel posts W6x9 [W150x13.5] are shown, but W6x8.5 [W150x12.6] posts are also permitted. See **SCD GR-1.1** for additional embedment details.

SPACERS: Post B Spacers shall be made of 3/16" [5] Steel Plate as specified in CMS 710.15 or two sections of W6x9 [W150x13.5] or W8x10 [W200x15.0] cut in the web (see dashed line on POST B Detail) and welded together on both sides.

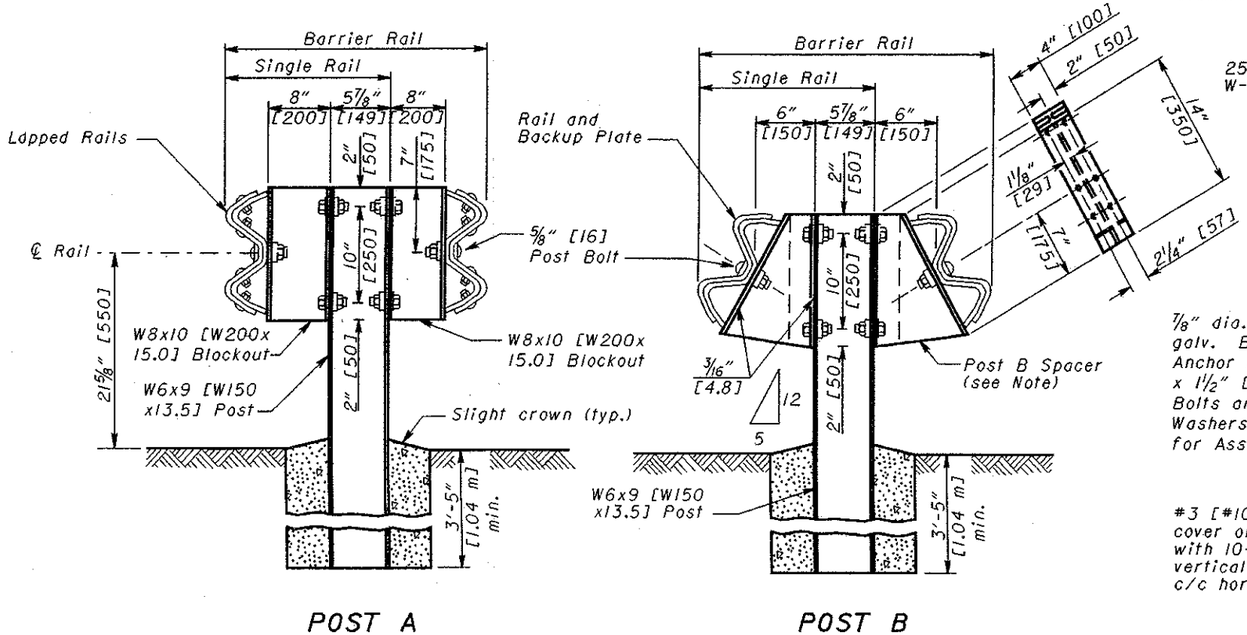
All steel spacers and posts may be provided with additional bolt holes so that these items will not be required to be made right and left handed.

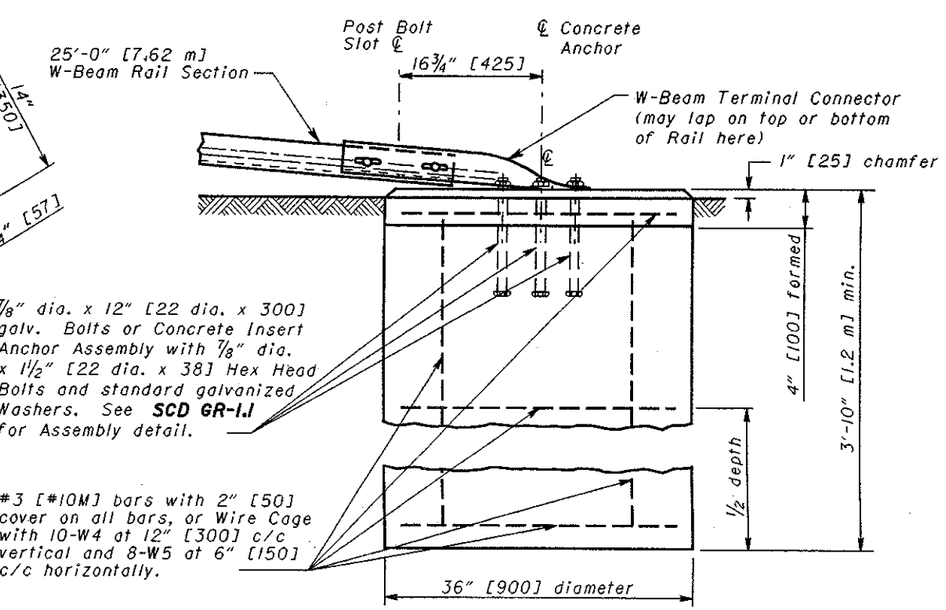
Spacers shall be fastened to Posts with two ⅝" [16] hex head bolts and nuts with standard washers on both sides.

WASHERS: All washers indicated on this drawing are standard galvanized steel of the appropriate size.

CONCRETE ANCHOR: Form top 4" [100] of anchor and slope the top to conform to slope of the adjacent ground. The 36" [900] diameter anchor may be replaced by a 2'-6" [750] square anchor at the contractor's option.

PAYMENT: Include all materials and labor for the 25'-0" [7.62 m] Single Rail, Type A Anchor Assembly in the unit price bid for **Item 606 - Anchor Assembly, Type A, Each.**
Pay for all materials and labor for the 25'-0" [7.62 m] Barrier Rail under the unit bid price **Item 606 - Anchor Assembly, Barrier Design, Type A, Each.**





THIS DRAWING REPLACES GR-4.1M DATED 11-30-94.

OHIO DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN ENGINEER
4-18-03
DATE

STDS. ENGR.
D. Focke

All metric dimensions (in brackets [ ]) are in millimeters unless otherwise noted.

ROADWAY ENGINEERING SERVICES

STANDARD ROADWAY CONSTRUCTION DRAWING
TYPE A ANCHOR ASSEMBLY

NUMBER
GR-4.1

1/1