

**NOTES**

**POSTS:** Post may be round (single rail only) or 6"x6" square-treated pressure-treated wood or W6x9 galvanized steel. The same type post shall be used throughout the length of project unless otherwise required by the plans plus or minus 1/2" in diameter at the top post shall be 3/4" larger at the butt with a uniform taper. Post may be set in drilled holes or may be driven to grade.

Wood posts shall be fabricated with square ends. Posts and spacer blocks shall be cut and finished as per 101.4. Bolt holes shall be bored and finished as framed as shown, if required, after posts are set.

**SPACER BLOCKS:** When wood spacer blocks are used with the steel post, a 10d nail shall be driven through the hole in the adjacent flange to prevent blocks from turning.

**WASHERS:** Washers indicated are standard galvanized steel or the appropriate size.

**WELDED BEAMS:** Welded beam guardrail posts and spacer blocks may be used for Item 606, Guardrail, provided the welds are made in accordance with the provisions of the specification for welding of steel. The welds shall be made in accordance with the provisions of the specification for welding of steel. The welds shall be made in accordance with the provisions of the specification for welding of steel.

12. Test reports of tensile properties for each lot of steel shall be submitted.

13. Random samples shall be tested by the Department from materials delivered to the project site or other locations designated by the Laboratory.

\* **FOR SPECIFIC POST** embedment depth requirements see Sid. Const. Div. GR-I.L.E.

Size	Beam depth	Flange width	Flange thickness	Web thickness
Roll'd W 6x8.5	5.93"	3.94"	.194"	.170"
Roll'd W 6x9	5.90"	3.94"	.215"	.170"
Roll'd W 8x10	7.83"	3.94"	.205"	.170"
Weld'd 6x8.5	6.0"	3.94"	.194"	.170"
Weld'd 6x9	6.0"	3.94"	.215"	.170"
Weld'd 8x10	6.0"	3.94"	.205"	.170"

**MISCELLANEOUS:** For details not shown see Standard Construction Drawings GR-IJ and GR-I.L.

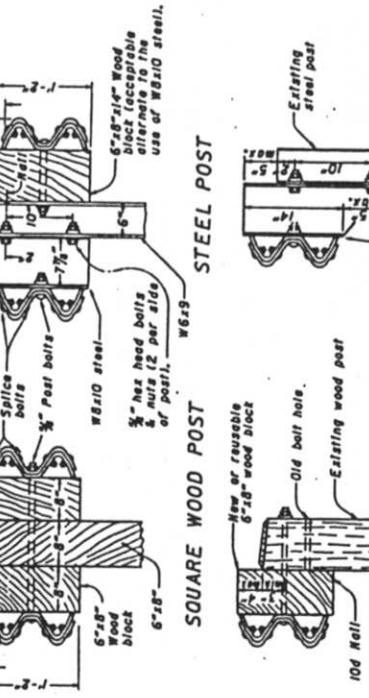
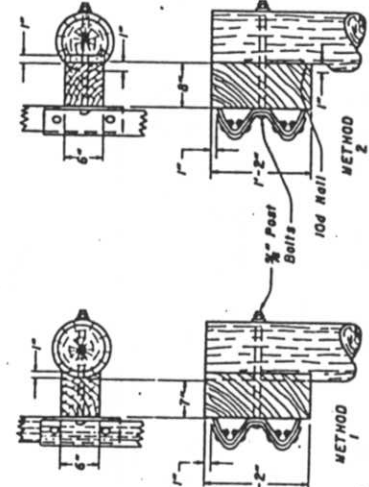
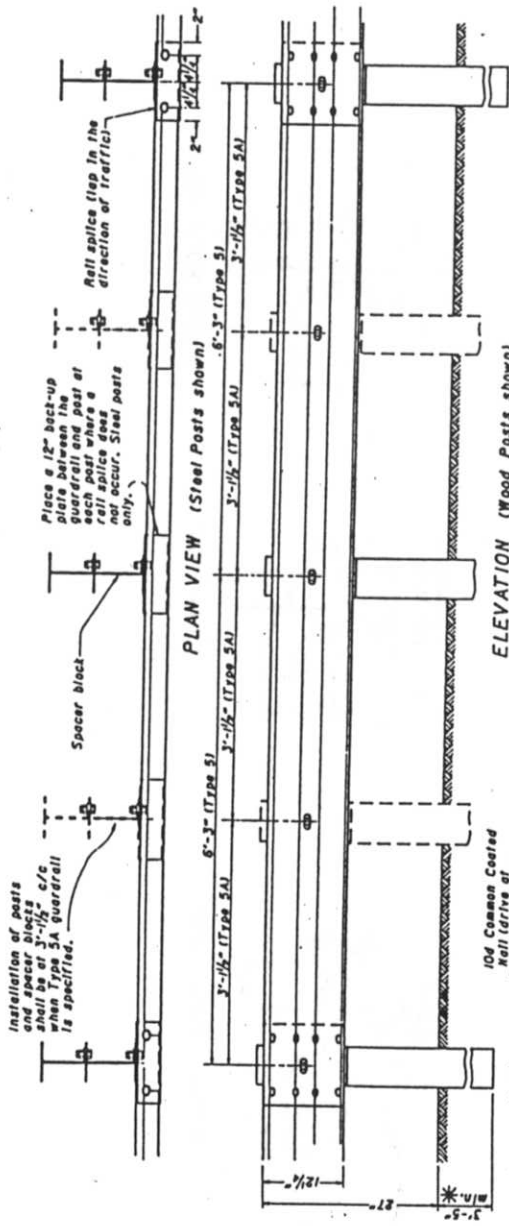
BUREAU OF LOCATION AND DESIGN  
OHIO DEPARTMENT OF TRANSPORTATION

DATE  
5-4-91

**GUARDRAIL  
TYPE 5 & 5A**

STANDARD CONSTRUCTION DRAWING  
**GR-2.J**

APPROVED BY: [Signature] ENGR. L. B. D.



**ROUND WOOD POSTS**

**RAISING EXISTING GUARDRAIL HEIGHT**

