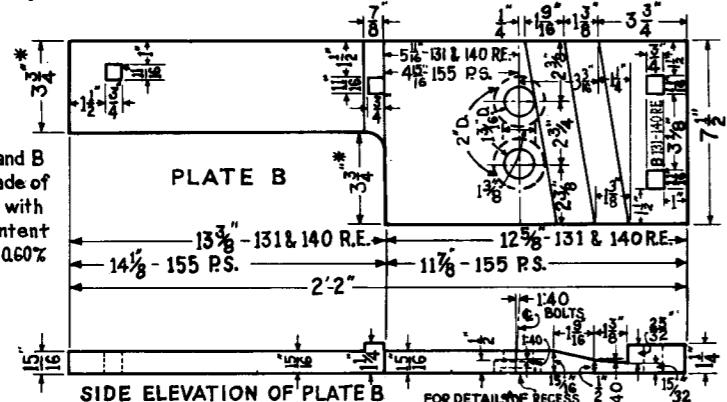


◎ To be used only at locations which have been approved by the Chief Engineer.

Foot Guard 3" x 3/8 with details per Section N-N, Plan 74149 except that switch point box 7/8" x 2 1/2", Ref 1A-140 and suitable flat washers under spring washers shall be used.

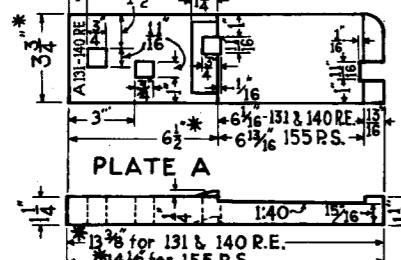
Plate A and Plate B shall be marked by deeply cut characters, not less than one half high, in the position as indicated on this plan, showing weight and type of rail (131-140 RE or 155 PS) with the plate designation as shown.

Plates A and B
shall be made of
O.H. Steel with
carbon content
of 0.40% to 0.60%.

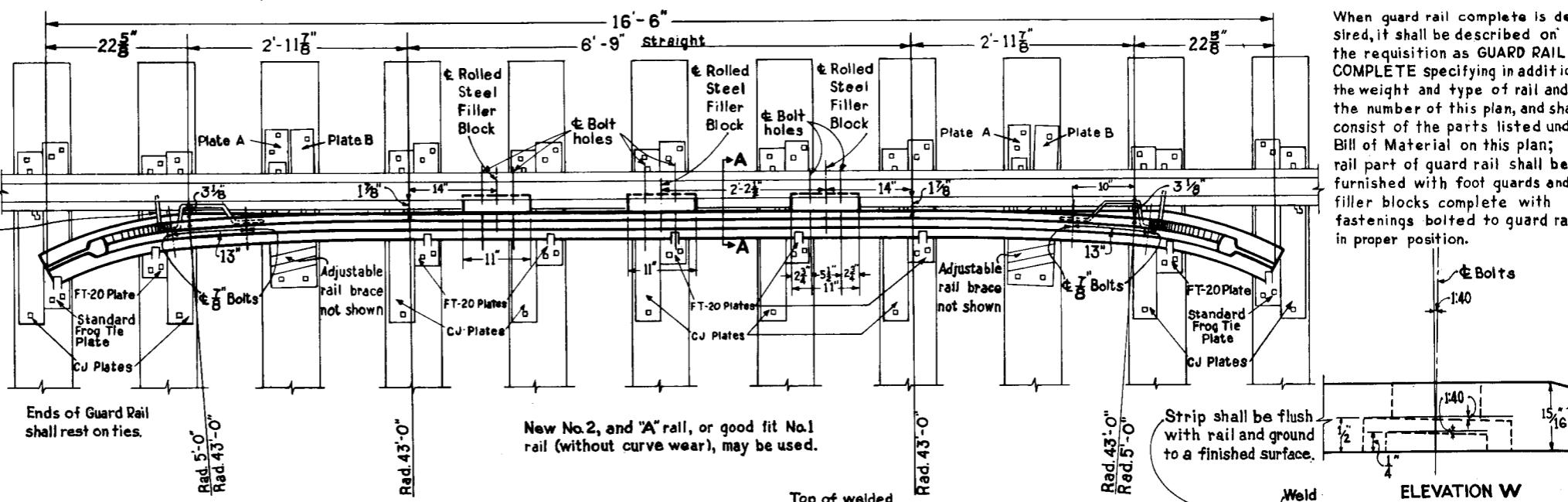


As Plate A will be made from the cut-out portion of Plate B, dimensions indicated * will vary to the extent of the width of the cut.

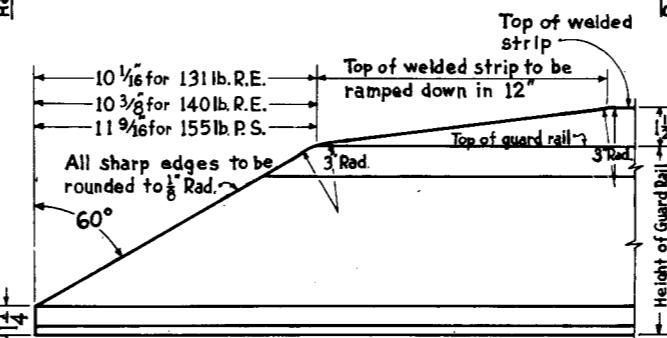
The shoulder on Plate A may be built up by welding process to same height as specified and of suitable width to provide adequate strength.



SIDE ELEVATION OF PLATE A



New No.2, and "A" rail, or good fit No.1 rail (without curve wear), may be used.



SIDE VIEW OF BEVELED END OF GUARD RAIL

BILL OF MATERIAL FOR ONE GUARD RAIL COMPLETE			
	131 RE	140 RE	155 PS
1 Guard Rail, 16'-6" long with 1 1/2" Welded Strip	—	—	—
3 11" R.S. Flangeway Filler Blocks for 1 1/8" flangeway width	IA-171	IA-173	IA-175
2 Foot Guards 3 1/2" x 3"	IA-294	IA-294	IA-292
2 Standard Frog Tie Plates	IB-878	IB-878	IB-878
7 FT 20 Frog Tie Plates	IB-928	IB-928	IB-928
9 CJ Twin Tie Plates	IB-875	IB-875	IB-875
2 A Plates	IA-352	IA-352	IA-763
2 B Plates	IA-353	IA-353	IA-764
2 Adjustable Rail Braces (Complete)	IA-157	IA-160	IA-165
6 Bolts 1 3/8" x 8 1/2"	IA-102	IA-102	IA-102
4 Bolts 7/8" x 2 1/2"	IA-140	IA-140	IA-140
6 Helical Spring Washers for 1 3/8" bolt	IB-559	IB-559	IB-559
4 Helical Spring Washers for 7/8" bolt	IB-560	IB-560	IB-560
6 Headlock Washes for 1 3/8" bolt	IA-245	IA-255	IA-256
6 Flat Washers (D Type) for 1 3/8" bolt	IA-664	IA-663	IA-663
4 Flat Washers (D Type) for 7/8" bolt	IA-670	IA-671	IA-672

When guard rail complete is desired, it shall be described on the requisition as GUARD RAIL COMPLETE specifying in addition the weight and type of rail and the number of this plan, and shall consist of the parts listed under Bill of Material on this plan; rail part of guard rail shall be furnished with foot guards and filler blocks complete with fastenings bolted to guard rail in proper position.

THE PENNSYLVANIA RAILROAD

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**SPECIAL ©
TEE GUARD RAIL
16'-6" LONG WITH 1½" WELDED STRIP
FOR 131-140 R.E. AND 155 P.S. RAILS
OFFICE OF CHIEF ENGINEER, PHILA., PA. - MAY, 1958**

71820-A

L.G. Henry
Chief Engineer