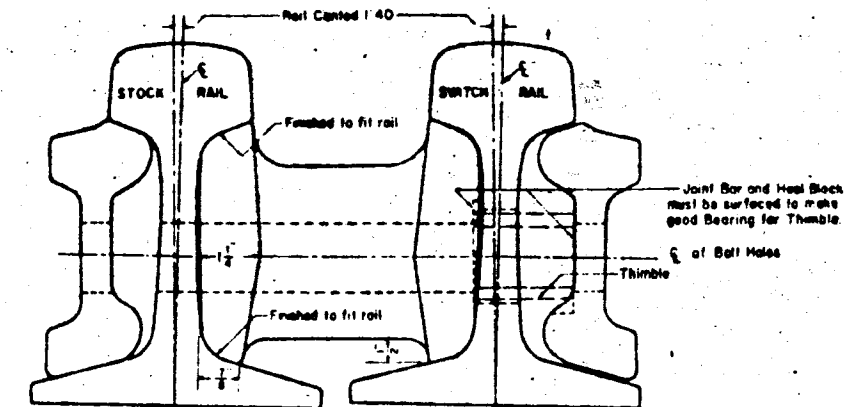
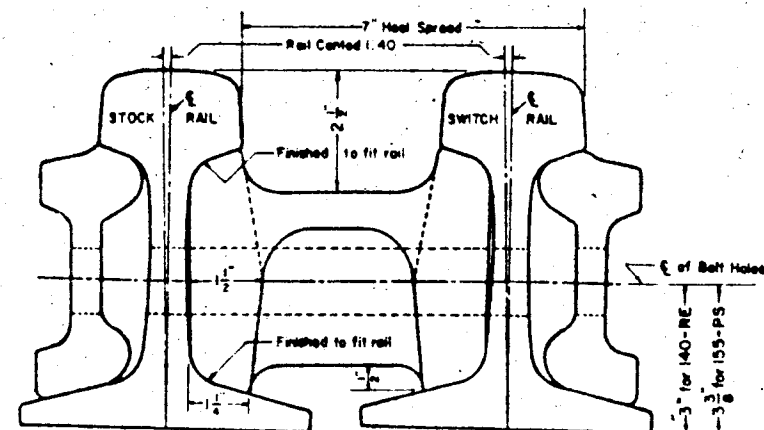
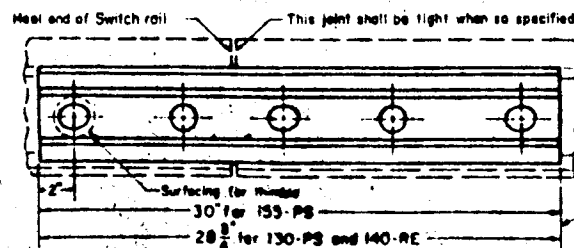
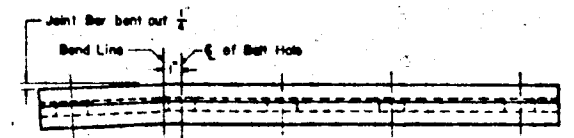




SECTION J-J, OF L.H. SWITCH RAIL
(140 lb. R.E. as drawn)

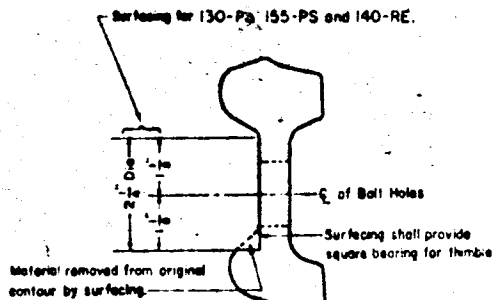


SECTION H-H, AT HEEL OF L.H. SWITCH RAIL
(140 lb. R.E. as drawn)



BENT JOINT BAR (L.H. as drawn)

Material for joint bars must conform to requirements of the Current A.R.E.A. Specifications for Quenched Carbon-Steel Joint Bars.



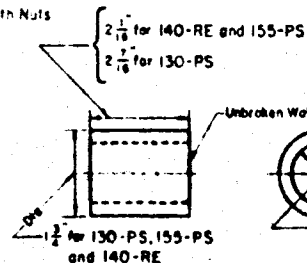
STANDARD F-1 JOINT BAR
(140 lb. R.E. as drawn)

HEEL BLOCK BOLTS

PLAN NO.	RAIL WEIGHT	BOLTS NO.	SIZE	SWITCH LENGTH
73103-1	130PS	5	1 1/8 x 12 1/2	10'
73104-1	130PS	5	1 1/8 x 12 1/2	18'
73105-1	130PS	5	1 1/8 x 12 1/2	30'
66225-1	140RE	5	1 1/8 x 13	20'
66242-1	140RE	5	1 1/8 x 13	30'
66222-1	140RE	5	1 1/8 x 13	45'
66449-1	140RE	4	1 1/8 x 13	11'

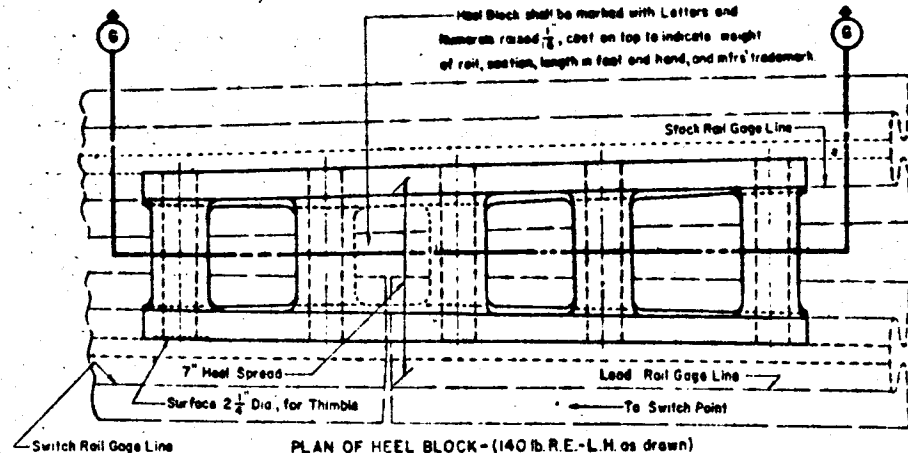
Threaded 4 1/2" with nuts and helical spring washers.
Heads, necks and nuts per Plan 71500-1.
Bolts shall conform to requirements of current A.R.E.A. Specifications for Heat-Treated Carbon-Steel Track Bolts, and Carbon-Steel Nuts.
All bolts shall be dipped immediately before applying (so that all threads are thoroughly coated) in No. 0x-1d GG grease, manufactured by Dearborn Chemical Co.
All spring washers shall conform to the Pennsylvania Railroad Company's Specifications for Helical Spring Washers, CE-7-1.

- EACH COMPLETE SWITCH SHALL BE EQUIPPED WITH:
- 1- Joint Bar, sheared, bent and surfaced for L.H. Sw. Rail R.H.
 - 2- Thimbles
 - 1- R.H. Heel Block
 - 1- L.H. Heel Block
 - 10- Heel Block Bolts with Nuts and Washers

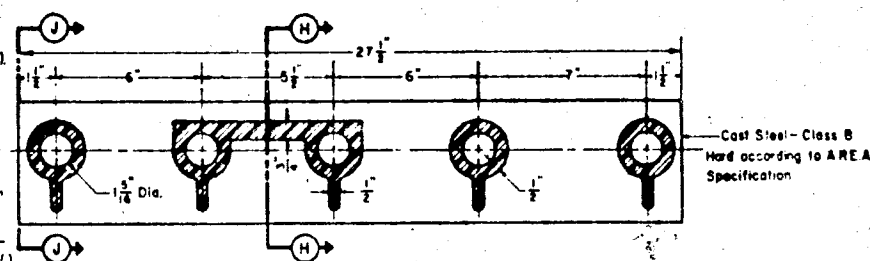


THIMBLE

Thimbles must be of Steel having a Brinell Hardness Number of not less than 350



PLAN OF HEEL BLOCK - (140 lb. R.E. - L.H. as drawn)



SECTION G-G



66489-A

THE PENNSYLVANIA RAILROAD

DETAILS OF HEEL BLOCKS AND JOINT BARS
FOR USE AT HEEL OF SWITCHES

FOR 130-PS, 140-RE AND 155-PS RAIL

OFFICE OF ASSISTANT CHIEF ENGINEER-MAINTENANCE, PHILA., PA. JUNE 1966