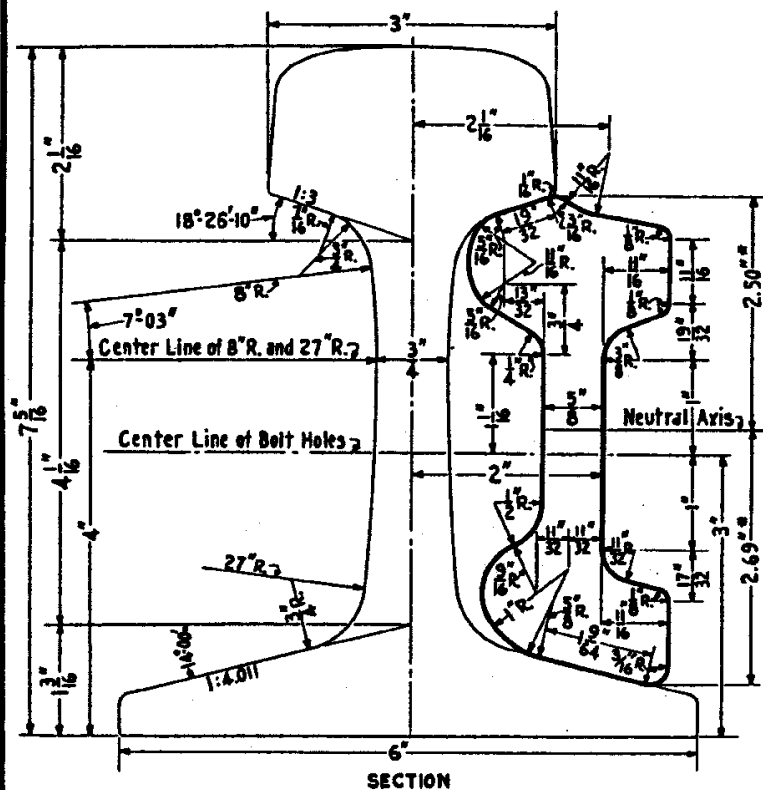
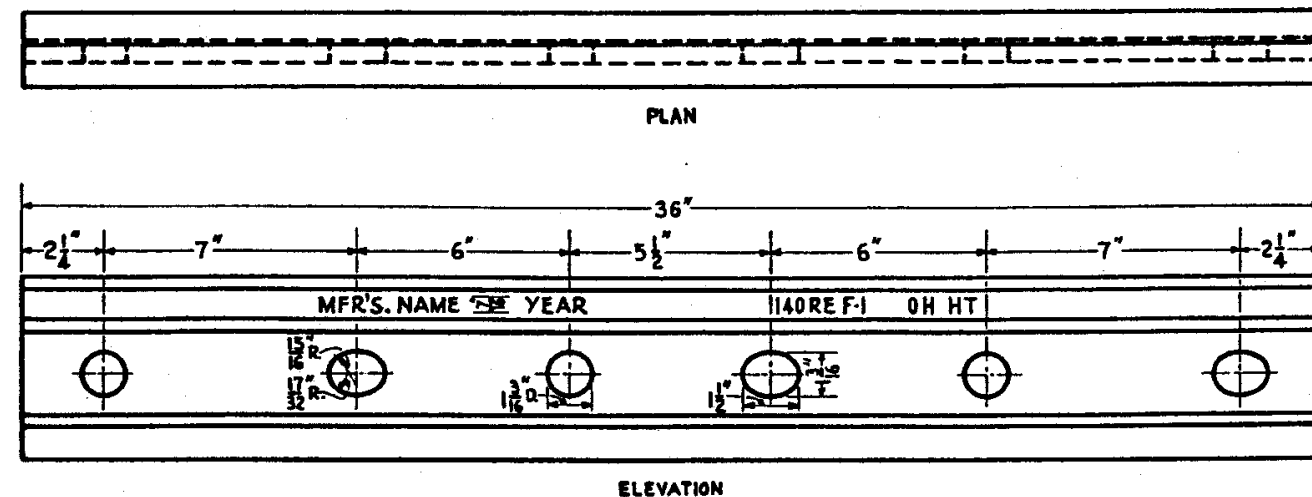




* The second decimal place of this dimension may be in error to the extent of ± 0.02 " due to limitations of the integrator.



Joint Bars shall conform to The Pennsylvania Railroad Specifications for Quenched Carbon Steel Joint Bars, C.E.8-1).

MATHEMATICAL ATTRIBUTES	
TWO BARS	
Moment of Inertia	32.5
Section Modulus above N.A.	13.0
" " below N.A.	12.1
Weight per inch of 2 Bars	3.4 lb.
Area	12.0 sq. in.
Calculated Weight of 2 Bars	119 $\frac{1}{2}$ lb.

71160-B



**THE PENNSYLVANIA RAILROAD
STANDARD
140 R.E. F-1 JOINT BAR**

OFFICE OF CHIEF ENGINEER, PHILA., PA. - SEPT. 1956

J. R. Hunsch
Chief Engineer