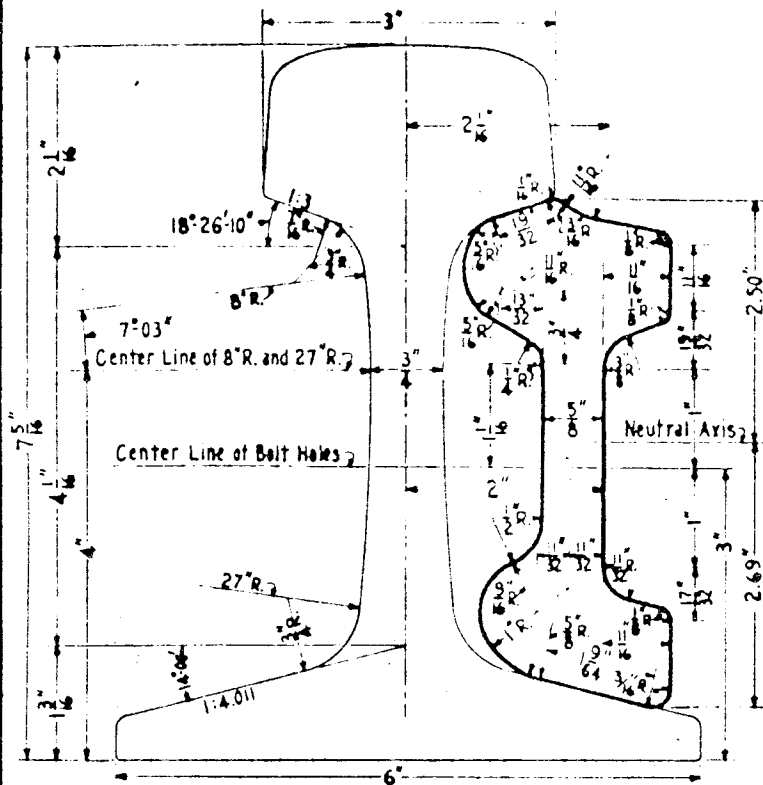
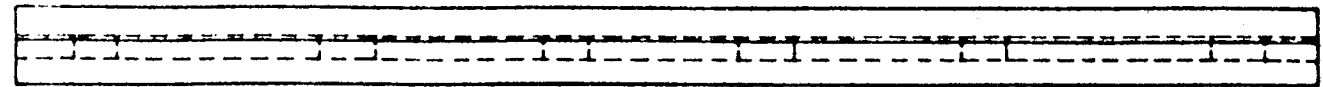
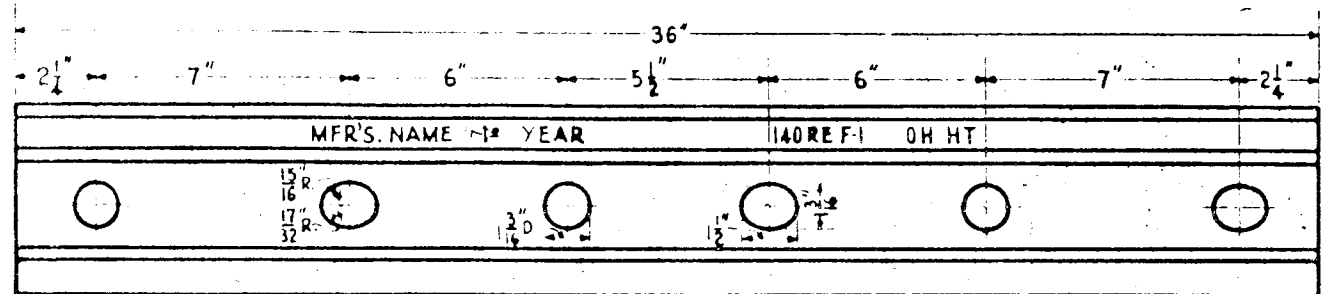




SECTION



PLAN



ELEVATION

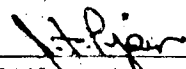
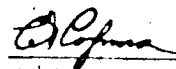
MATHEMATICAL ATTRIBUTES

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 lbs.
 Area ----- 12.0 sq in.

Calculated Weight of 2 Bars $119\frac{3}{4}$ Lbs.

Joint Bars shall be in accordance with the current A.R.E.A.
 "Specifications for Quenched Carbon Steel Joint Bars."

71160-C	
 PENN CENTRAL STANDARD	
140 R.E., F-1 JOINT BAR	
 Chief Engineer - Maintenance of Way	JUNE, 1968  Asst. Vice President - Engineering