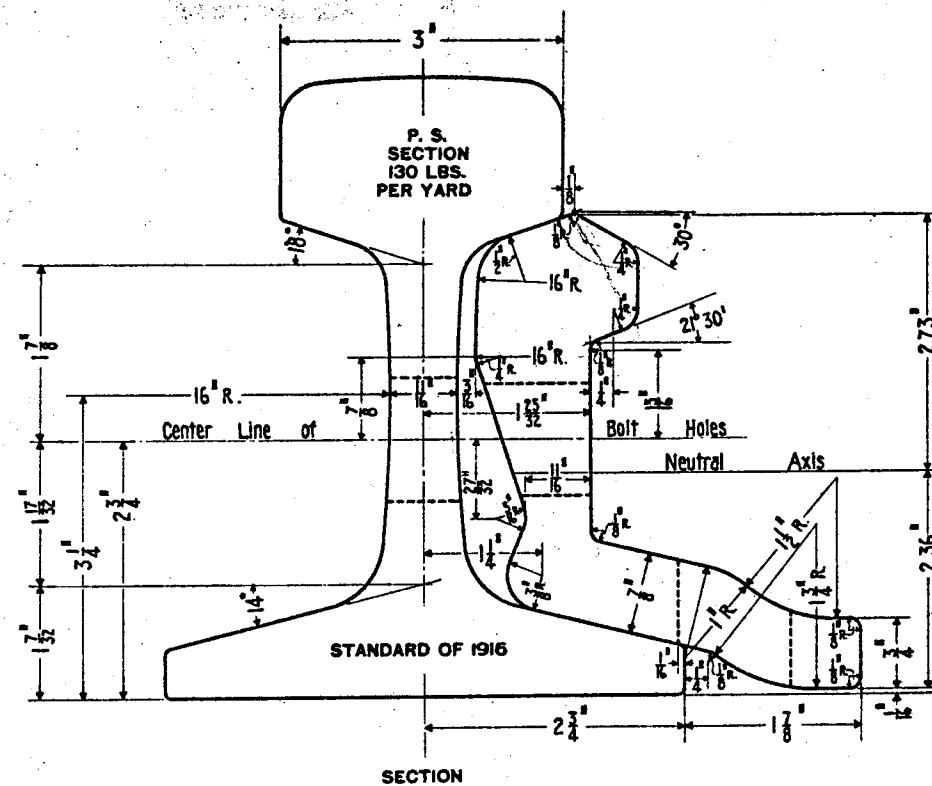
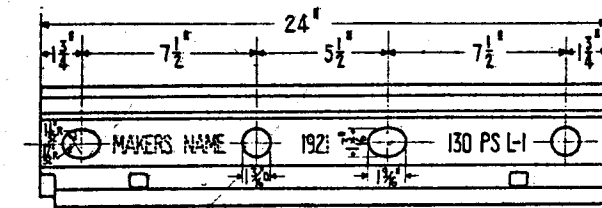
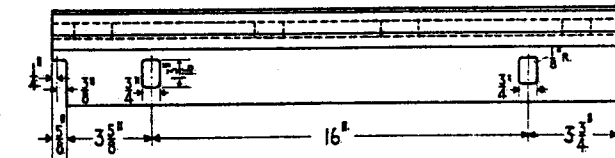


DRILLING FOR 130 LBS. P. S. RAILS



ELEVATION



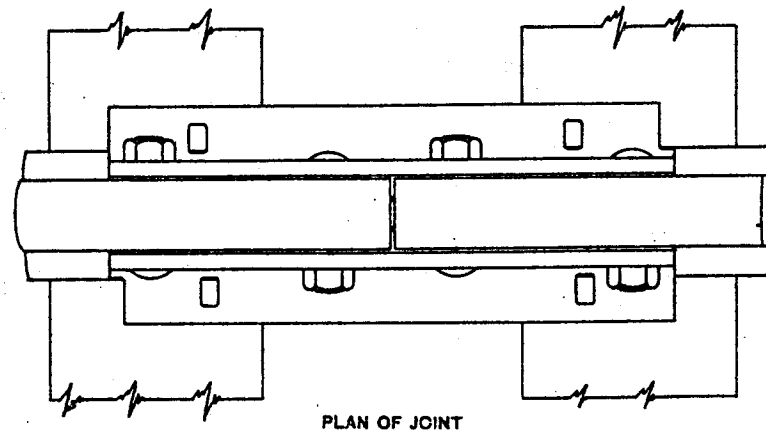
PLAN

NOTE:

NOTE: All material must conform to Pennsylvania System Specifications for Quenched Carbon and Alloy Steel Joint Bars.

Joint Bars must be marked to indicate manufacturer's name, year of manufacture, weight and section of rail, and type of joint bar.

Letters and figures must be raised 1/16 inch.



PLAN OF JCINT

MATHEMATICAL PROPERTIES

TWO BARS

Moment of Inertia	33.36
Section Modulus above N.A.	12.24
" below N.A.	14.14
Weight per inch of 2 Bars (lbs.)	4.03
Joint Stiffness	45.8 %
Area	14.23 sq. in.

PENNSYLVANIA SYSTEM

STANDARD
130 P.S. L-1 JOINT BAR
PUNCHED 7½ - 5½ - 7½

OFFICE OF CHIEF ENGINEER, PHILA., PA. JANUARY, 1921.

Correct *A. L. Lushin*
Engineer Standards

Approved _____
Chief Engineer