

S. P. M. & M. RY

STANDARD PLAN FOR SPACING TIES FOR 36 INCH ANGLE BARS, 1888.

SCALE 3" 1 FT

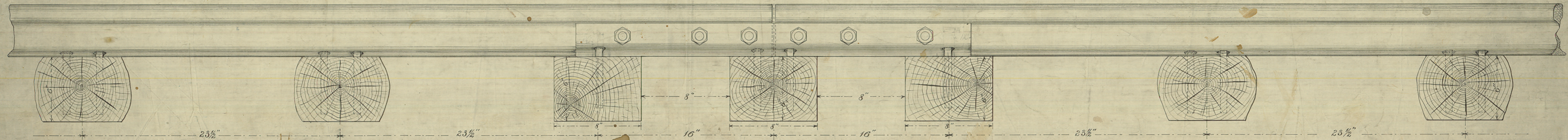
N. D. Miller
5/5/88.

Chief Engineer.

Expansion to be allowed for
Different Temperatures

-20°	1/16"
0°	3/8"
+20°	3/16"
+40°	1/4"
+60°	3/16"
+80°	1/8"
+100°	1/16"

for Rails 30' long



Note: { 3 joint ties, 6"x8"x8', Oak, spaced 16" centre to centre }
 { 13 intermediate-ties " 23 1/2" " " }
 to each 30 ft. of track, using 30 ft. rails.