



NOTES:

Bolts and nuts to conform to Southern Railway current Standard Plan and Specifications for Frog Bolts.

All bolts, except Spring Bolt, to have spring washers. Through bolts to have Southern Railway Standard Frog Washers. Other bolts to have headlock washers.

Drilled holes to have burrs removed.

Round spike holes in base plates to be 15/16" dia. for 7/8" x 7" drive screw spikes with washer head and tapered shank for wedge fit.

Other spike holes in Toe and Heel Base Plates to be 3/4" square.

Rail ends to be flame hardened, Brinell hardness 360-375. Rail ends to be beveled.

Stops and hold-downs to have 1/4" clearance with Spring Rail when flangeway is sprung to 1 7/8" width at 1/2" point.

Main Filler Block to be rolled steel in one continuous length with single (top) or double (top and bottom) groove, and shall be machined to a true fit with webs of adjacent rails. It shall maintain a 1 7/8" flangeway width throughout.

Joinery of members and all workmanship to conform to highest standard of shop practice.

See also "No. 10 Spring Rail Frog Details for R.E. Section 100," Plan 4-2

Spot weld near bottom of reinforcing strap at heel end of Wing Rail to insure proper contact with web of rail for rail bonding.

Toe and Heel Base Plates to be marked as indicated to show weight of rail and whether right or left hand.

SOUTHERN RAILWAY SYSTEM

NO. 10 SPRING RAIL FROG

FOR R. E. SECTION 100

FEBRUARY 1, 1975

OFFICE OF ASST. V. P. MW & S.

ATLANTA, GEORGIA