No. 8 Railbound Manganese Frog
(RH Shown, LH Plate Layout Opposite)
(NOT TO SCALE)

NOTES:
1. Manganese castings shall be 1 1/8" thick expansion in accordance with current Amtrak specifications. Heel pads shall incorporate a 1/2" relief cut.
2. All frog bolts shall be 1 1/8" Grade B, square head with 3/4" hardened flat washer and hexagon security locknut. Frog bolts shall be lubricated and torqued to 2500 foot pounds.
3. All rail furnished shall be heat treated.
4. Except where shown, all frog plates furnished with 1/2" round holes.
5. See signal standard drawings for frog bond details.
6. This drawing is for reference only. Shop drawings shall be submitted for approval by Caltrain engineering prior to fabrication.