

fig.A

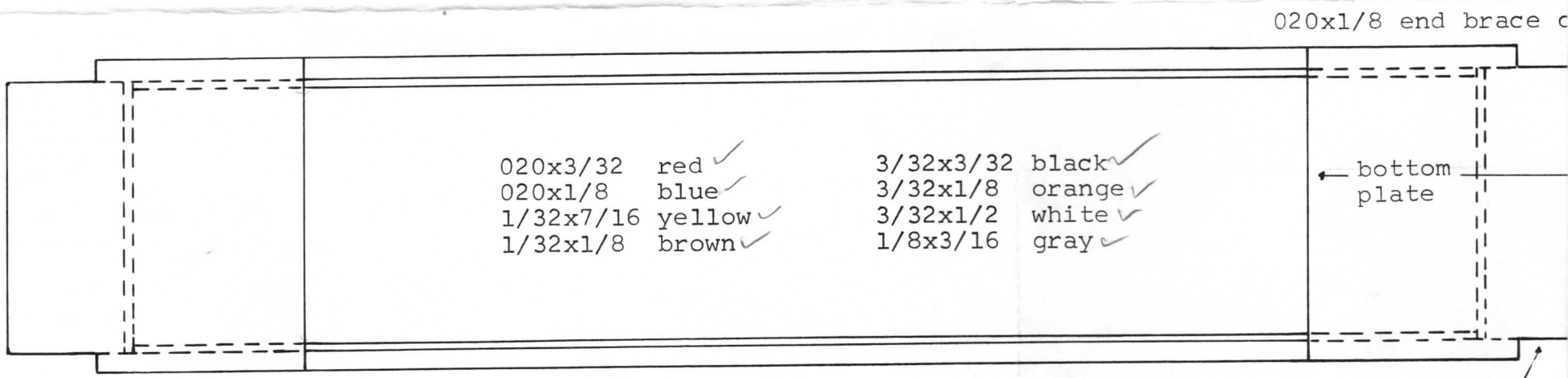


fig.B

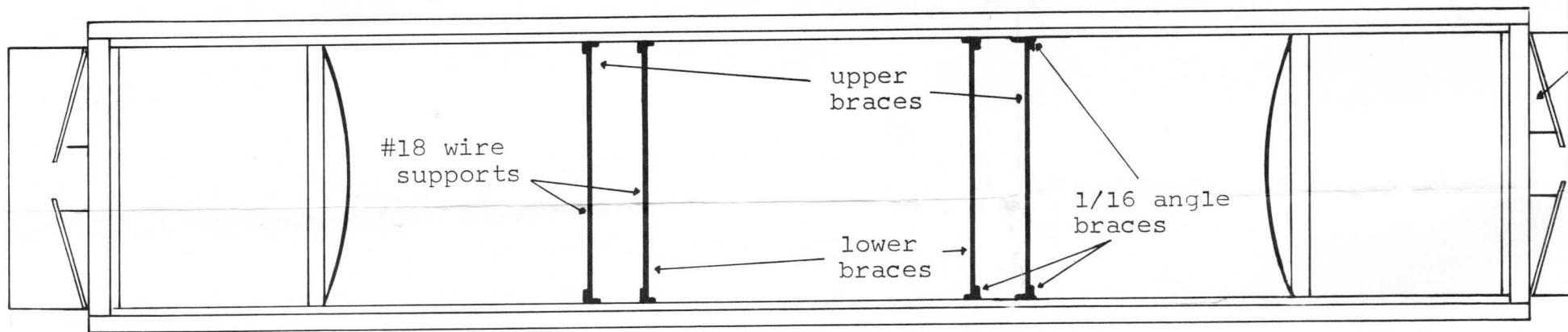


fig.C

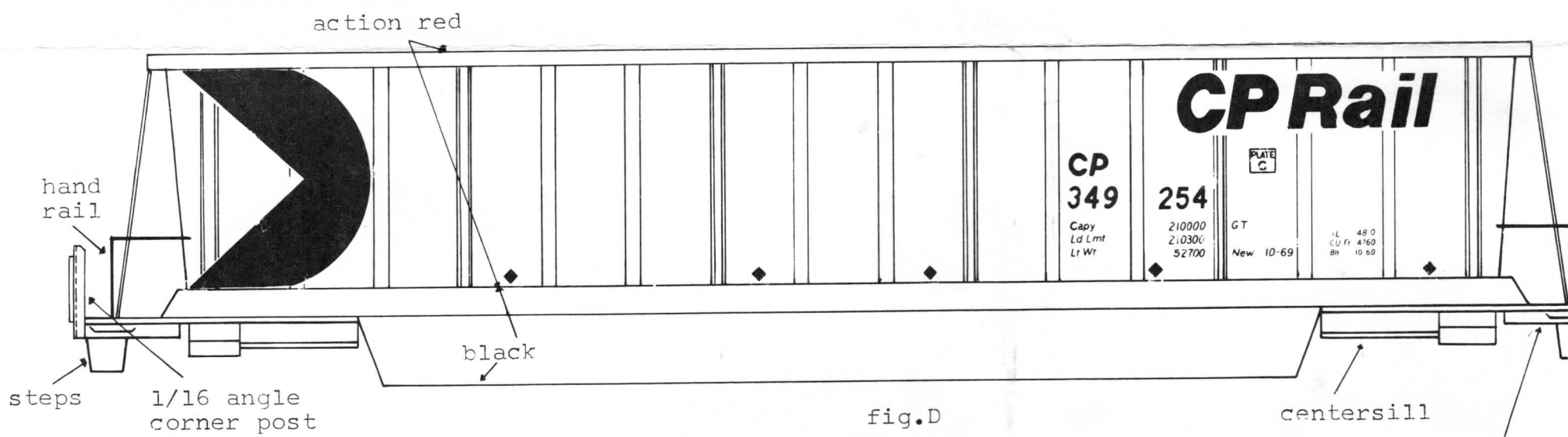


fig.D

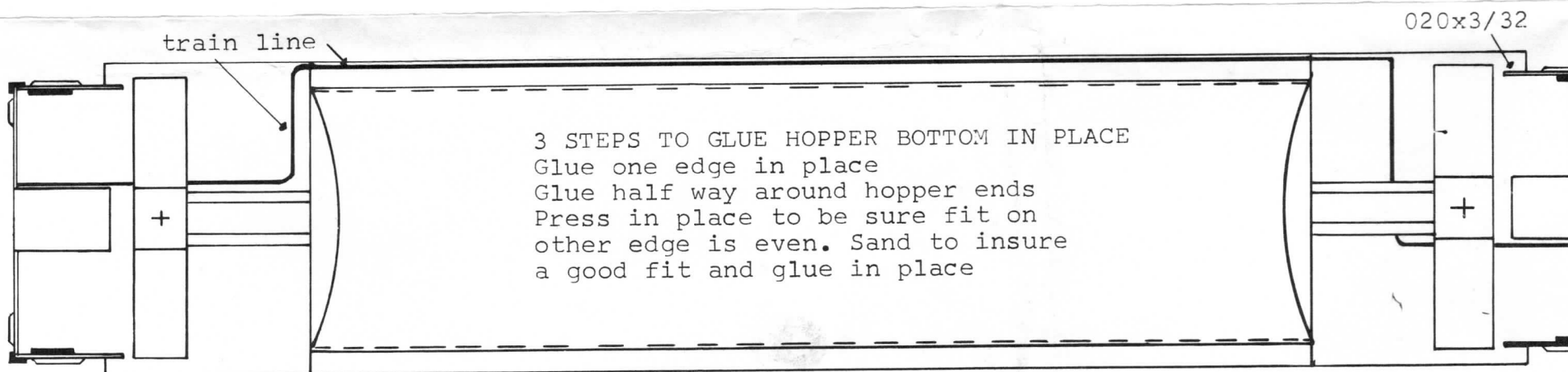
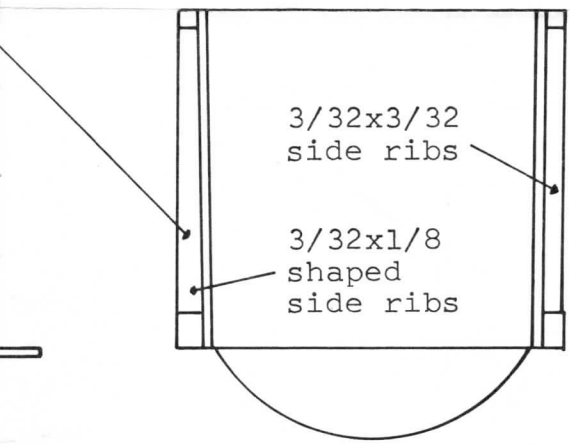


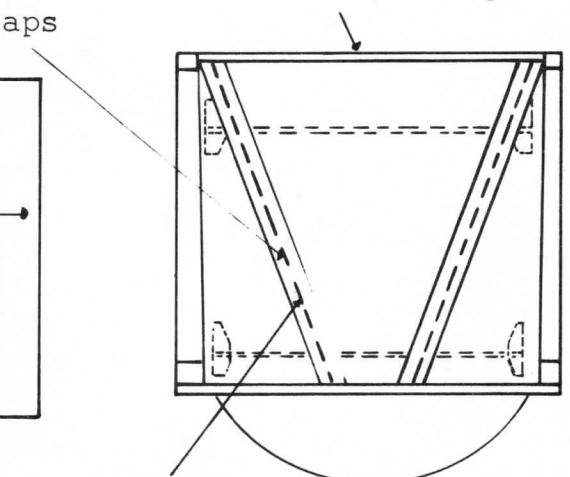
fig.E



BEFORE STARTING CONSTRUCTION, APPLY TWO COATS OF SCALECOAT SANDING SEALER TO ALL SHEET AND STRIPWOOD, USING 000 STEEL WOOL BETWEEN COATS.

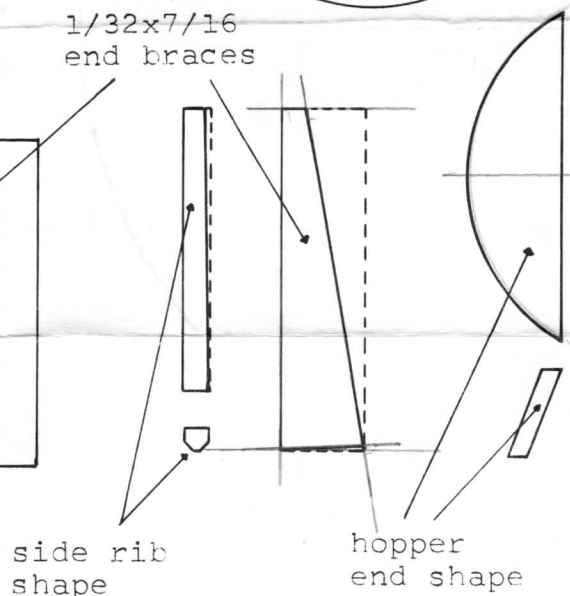
SIDES Cut the bottom ribs to length and shape from 1/8x3/16, and the top ribs from 3/32x3/32, Fig. A, and glue to precut sides. Shape the 3/32x1/8 large side ribs, Fig. A&C, and glue to the sides as shown in Fig. A. The 3/32x3/32 small side ribs are cut to length and glued in place. Mark position of cross braces on inside of sides.

1/32x1/8 top end plate



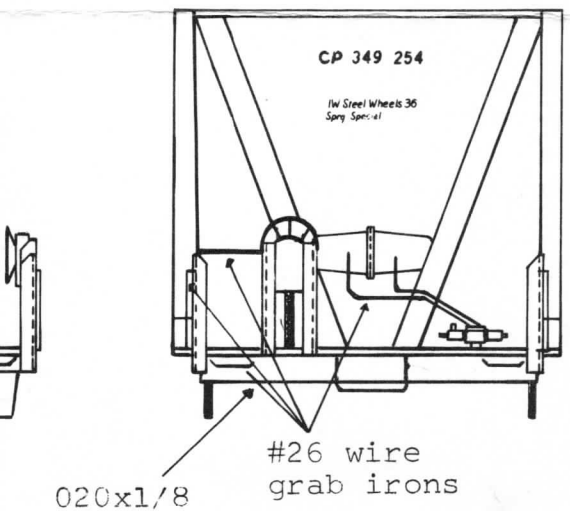
ENDS The ends are cut to length but must have the sides tapered as shown in Fig. A&E. glue the ends in place between the sides, Fig. A. Cut the recess in the bottom plates and glue to the bottom, Fig. A&B. Cut the top end plates from 1/32x1/8 and glue to the ends, between the extended 3/32x3/32 side top ribs. Shape 4 end braces from 1/32x7/16 right of Fig. C, and glue in place, followed by the .020x1/8 end brace caps.

BOTTOM Place the bolsters and short centersills, Fig. E, use the coupler pocket of your choice, followed by .020x1/8 from each side of the coupler pocket across the bottom of the end, Fig. D&E. The .020x3/32 is cut to length and runs back from the .020x1/8 along each side. Important, if using plastic coupler pockets, remove until painting is finished. Hopper ends are cut and shaped, Fig. C, from 3/32x1/2. The edges are tapered and glued in place, Fig. A. From .020x2-1/32 sheet, cut the hopper bottom to length, glue on edge to one side and wrap around the hopper ends. Sand the extended edges to match the hopper end shapes. Bend #21 wire to shape and install the train line.

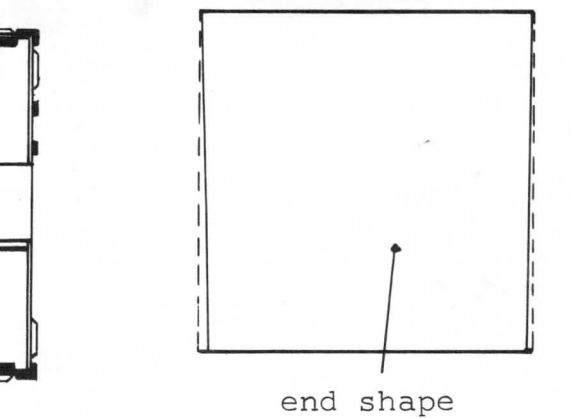


MISC. DETAIL Place the air reservoir and triple valve on the brake wheel end, Fig. D, piping is formed from #26 wire. End posts and brake wheel supports are cut from 1/16 angle, Fig. D. Install the ajax housing and brake wheel. Form grab irons and hand rails from #26 wire. Form the steps from flat wire and glue to the inside of the .020x3/32. Inside braces are cut from 1/16 angle, Fig. B&C, #18 wire is cut to length and glued to these braces.

PAINTING Paint the bottom first with #10 SCALECOAT black. Place in a preheated oven for 20 min. at a temperature of 150°. Let cool after removing and mask the bottom before painting the balance of the car. Action Red is mixed using 2 parts SCALECOAT #26 S.F. Red and 1 part SCALECOAT #16 Reefer Orange. The end hand rails are painted with SCALECOAT #11 White. After cool and dry, apply the decals. Spray with SCALECOAT flat glaze to hide decal film. Should you find any part missing or defective, write for free replacement.



MANUFACTURED BY A MODEL RAILROADER FOR MODEL RAILROADERS



28 scarlet
10 orange
4 warm yellow

