

#7470 & #7460 SANTA FE 40' SECTIONAL PANEL SHEATHED AUTO AND BOX CAR.

1. Assemble wood body, floor, ends and the two (2) roof halves with glue and nails. Be sure that ends are square with roof and floor.
2. While glue is drying on the first part of body assembly, cut out door openings in sides. Place a metal door on the sides, so that the top of the door is even with the top of the side. With a pencil, draw a line at the bottom edge of door onto the side. Repeat on other side. Cut openings and file smooth. Now glue sides in place and let dry.
3. Sand Roof and Sides. Apply wood filler, and allow to dry. Re-sand to a smooth finish using a very fine emory paper for sanding.
4. **BRACES:** Note there are (20) for the Box Car and (16) for the Auto Car. (4) for the ends for both cars, (2) for door stops of the box cars only and the rest for panels.

Drill one hole in each end of every brace. (See Drawing. - Use #70 drill). These holes are for pinning braces in milled Slots on car sides.

- (A) Start at left edge of car sides, but omit pinning on end braces now.
- (B) Pin on U braces for Auto car and the door stop braces for the Box car.

Now pin end braces to end of car side. Take metal car end, hold in place and using scriber, mark (h) holes onto braces thru (4) pre-drilled holes in car end. Drill braces with #70 drill and pin car ends in place.

5. Pin small pre-drill strips between braces as shown in drawing.
6. **ROOF RIBS:** The end ribs are made from 1/32" x 1/8" strip wood. The balance of ribs are made from 1/32" x 1/16" strip wood. Glue in place as per drawing.
7. **UNDERFRAME:** Clean out Slots in bolsters to receive the pressed steel center sill. With flanges of center sill outward, screw bolsters in place. Be sure that there is the same amount of center sill protruding from both ends of car body.
8. Place coupler pockets over ends of center sill and by using holes drilled in coupler pockets as a template, mark and drill (#70) drill).

Remove center sill from car end and rivet coupler pockets to center sill. Replace on car.
9. Make up four (4) cross members (marked D) on drawing, from 3/8" x 1/32" and 1/8" x 1/32" wood strips. The remaining cross members are made from 1/8" wood channel.
10. Pin on door Slides and Doors, Ladders, Hand Grabs, AR Brake and Platform, Couplers and Steps, as shown in drawing.
11. Make roof walk from 1/8" x 1/32" strip wood and glue in place.
12. Paint and apply decals.