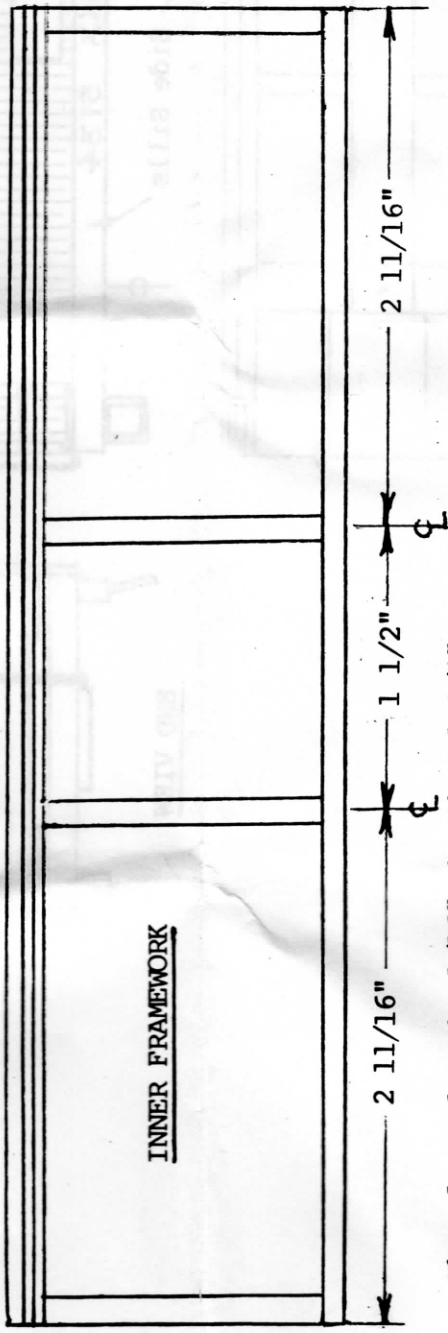


LVM45 - PALACE POULTRY CAR

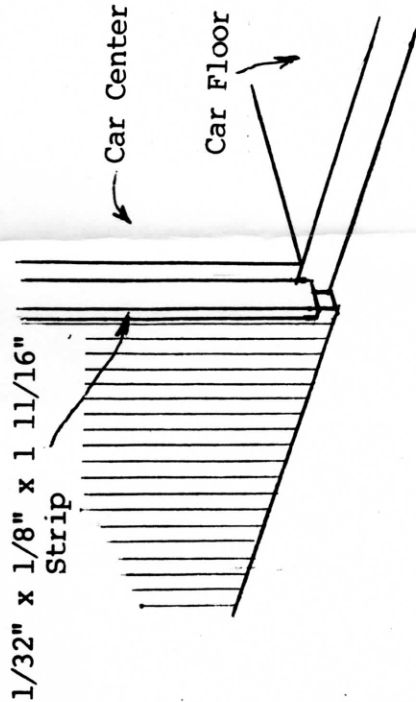
These cars were built to ship live poultry. They were kept in 20 coops. Hinged trap doors in the roof of the car were for access to the watertank filler and additional ventilation in hot weather. The coops were stored on shelves on both sides of the car in the screened area. The attendant lived in the enclosed area. A large feed bin was underneath the one side of the car.

Before beginning construction, read over the instructions visualizing what parts are used in assembly and where they go. Most parts are pre-cut and referred to by size. Use Duco quick drying cement. A fingernail emery board is useful for sanding wood or removing cutting fuzz.

1. - **BASIC BODY** - Glue the 1/8" x 1 1/2" x 1 9/16" car ends and centers to the floor and roof as shown keeping their outside edges flush.



When dry, glue the 1/16" sheath x 1 3/4" x 2 11/16" car side enclosures to one end of the car keeping the end edge even with the end of the car as shown. Then glue a 1/32" x 1/8" x 1 11/16" strip standing on end against the car side enclosure and car center keeping the top of the strip against the roof overhang. See drawing. Next, cut out the door



window clearance as marked on the two 1/16" x 1 1/2" x 1 11/16" center side enclosures. Glue these pieces against the roof and the 1/32" x 1/8" strip you just fastened. Glue another 1/32" x 1/8" x 1 11/16" strip on its edge against the center enclosure as shown. Now glue a 1/16" x 3/32" x 4 3/16" strip along the car floor flush with its bottom edge, butted against the bottom of the center enclosure, its end against the car side enclosure. See drawing and check large plan.

Finally, cut out the window opening marked on the 1/32" x 3/4" x 1 5/16" doors. Paint the doors white and when dry, cut a clear piece of plastic 1/2"sq. to fit behind the opening and glue in place. When dry, glue the door in place as shown on the large plan. Glue the 1/32" x 3/64" x 1 1/2" strip above the door on edge.

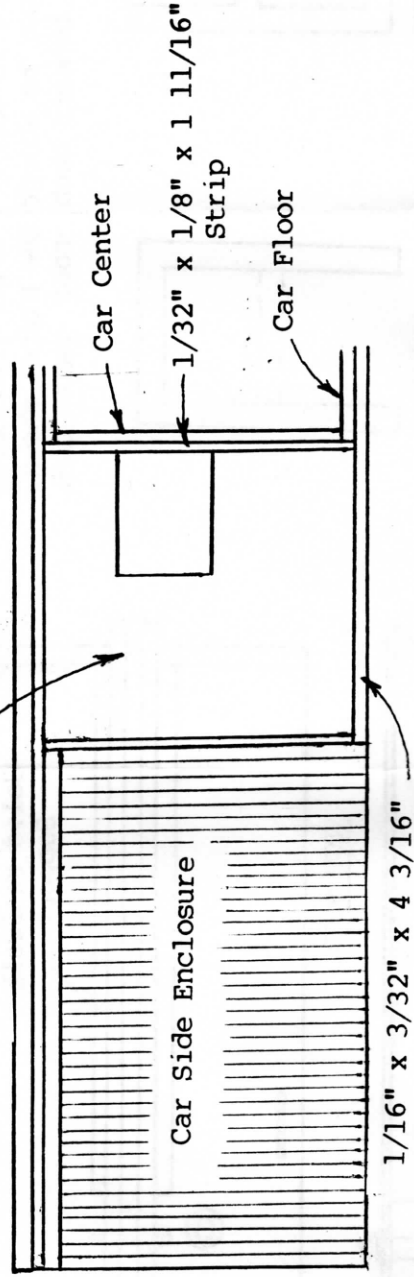
It is best to paint the open end white before installing the 1/16" x 5/16" x 2 1/2" shelves flush with the outside edges. A

1/32" x 1/4" x 1 1/2" shelf spacer is glued across the car end and the center as you install the shelves starting at the bottom and working upward. When dry, paint the shelves and spacers white.

Using the large plan as a guide, cut and glue the vertical 3/32" hat sections to fit between the roof and the 1/16" x 3/32" strip along the bottom. When dry, paint them white. Then cut a 1 9/16" x 1 3/4" piece of screen and glue it around its edges across this area. Try not to get glue over the middle area of the screen. Then glue the four 1/16" x 3/32" x 2 11/16" fascia beneath the roof on both sides. See large plan.

2 - **CAR ENDS** - Using the 1/16" x 3/32" x 1 13/16" piece, cut, fit, and glue it along the top roof end on both ends. Then cut the end roof fascia from the 1/16" x 3/16" x 1 5/8"

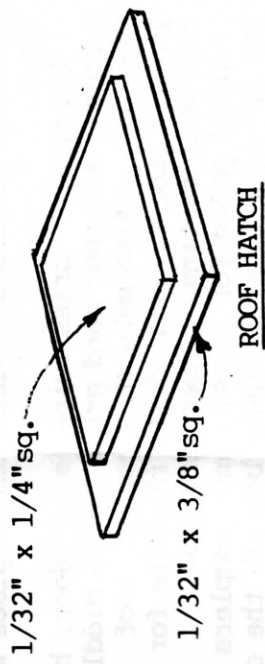
Center Side Enclosure



piece to fit beneath the roof ends and glue it in place. Next, glue the 3/32" sheath x 1 11/16" x 1 5/8" car end cover in place on both ends. See large plan.

There are two 1/32" x 7/16" x 5/8" end sliding doors on the car end opposite the brake platform. Glue these in place as shown with the 1/32" x 3/64" x 15/16" door guides. See drawing. Glue 1/32" x 1/4" x 3/8" destination boards where shown on plan.

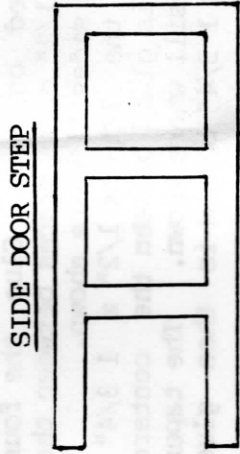
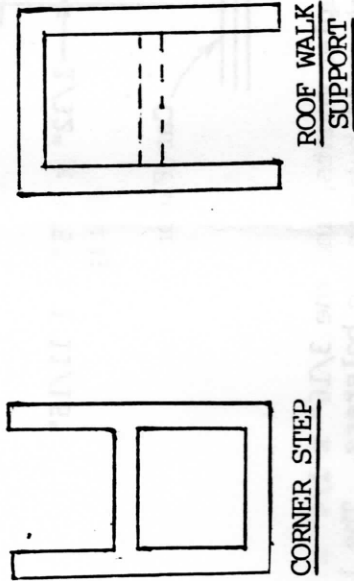
4 - **CAR ROOF** - Be sure there is a 1/2" flat surface along the car roof center. Sand if necessary. Glue the 3/16" x 1/2" x 2 3/4" (tapered both sides) roof walk support where shown on the large plan. Then cut out the seventeen 1/32" x 1/2" (tapered sides) roof supports and glue them in place where shown. Be sure they are vertical. Then glue the roofwalk along these supports as shown, keeping it centered and the overhang even on both ends.



Glue the 1/32" x 3/8"sq. and the 1/32" x 1/4"sq. pieces together, centering them to form four roof hatches as shown. Glue them to the roof where shown.

5 - **MISCELLANEOUS DETAILS** - Drill #66 holes in the ends of the bottom sill to accommodate

the four corner steps. Cut HO ladder as shown and insert in holes. Drill #66 holes beneath each door to accept the steps shown. Do the same beneath each roof walk end.



See large drawings. Glue the 1/32" x 3/16" x 1/2" brake platform in its proper place after drilling a #72 hole in it for the brake wheel rod. When dry, drill #72 holes beneath the platform for .020 brass wire supports.

Bend one end of .020 piano wire so it can be inserted in car bottom. Insert through hole in brake platform, glue brakewheel to its upper end and Super Glue wheel and rod at platform hole.

Layout and drill #72 holes where shown for grab irons and install. Cut extensions off of metal ladders and glue them in place where shown.

Using .020 brass wire, make door, hatch handles, and four hand grabs in the middle of the roof. Also make the corner roof hand grabs. Locate and drill #28 hole for the roof vent casting. Insert and glue.

Drill holes for trucks and couplers and the "K" type brake cylinder beneath the car.

6 - PAIN AND DECALING - Paint the roof and car ends Reading Green or a color to match. Paint the bottom including the sill black. The sides of the car are white. The large car plan shows where to place your decals. Paint the trucks black and mount them and the couplers and your car should be complete.

