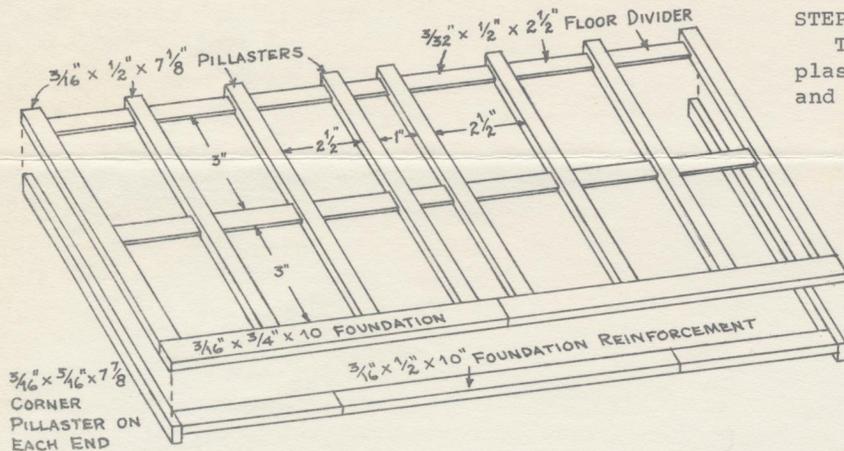


LVM12 ENGINE HOUSE

This 9" x 20" concrete and brick building has been designed with several uses in mind to cover diesel or steam lovers alike. It can be utilized as a diesel engine or a steam locomotive repair and maintenance facility, or if you desire, a car repair shop for your engine yards. By using a proper sign, it can also serve as a fabricating shop. Therefore most interior detail has been left to the modeler and a raised center work platform (for diesel shop) is all that has been supplied.

In any of the above, an overhead crane run should be installed with a dummy crane in place. This can easily be fashioned to provide very good realism. As a steam loco repair shop, the center platform could be left out and work benches, welding and cutting equipment, wheel and tire lathe and fitting jigs, etc. used in its place. So we leave you to decide upon what you'd like for interior detail. Read over instructions, acquaint yourself with parts, and assembly, before beginning construction.

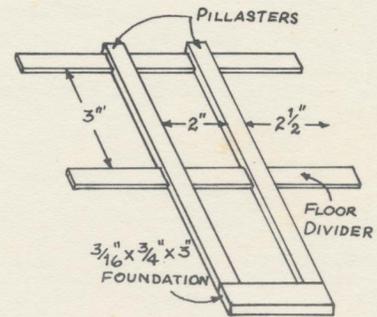


STEP NO. 1 - SIDES

Obtain a large sheet of ordinary wax wrapping paper to work upon. This prevents the pieces from getting stuck to your work area. Lay the wax paper on a flat work surface and proceed to glue the 3/16" x 3/4" x 10" pieces together end to end to make a 20" long foundation. Keep everything flat, straight, and square as you proceed. Beginning at one end, glue the 8 pillasters to this foundation spacing them 2 1/2" apart by using the floor dividers. Be sure the first one is perfectly vertical. Measure 3" up from the foundation and mark all pillasters to provide a guide to glue in the spacers as shown. The top spacers are located 1/8" down from the top. All are alike including the 1" center spacers. Use plenty of glue and allow it to set thoroughly before picking it up, turning it over and gluing the corner pillasters to each end flush with the end pillaster. Now glue 3/16" x 1/2" x 10" and 3/16" x 1/2" x 4 3/4" reinforcement pieces flush with inside bottom edge of foundation. Start on one end with short length, then 10" length and finally other short piece to provide strength across foundation center joint. Make two identical sides.

STEP NO. 2 - ENDS

The ends are made upon the wax paper the same as the sides. See drawing. Make two identical ends. Now paint all four sides and ends inside and out with Floquil concrete color.

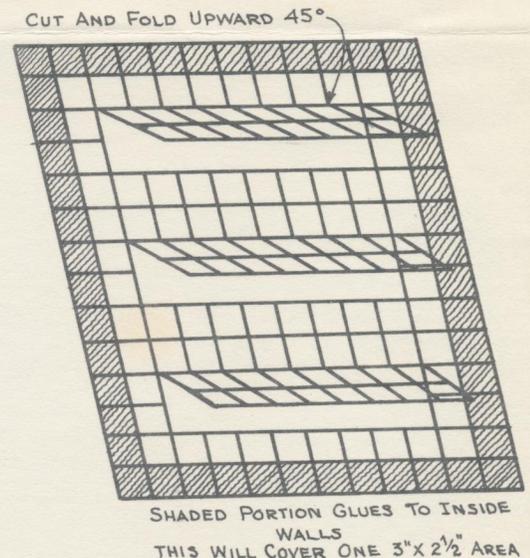


STEP NO. 3 - WALLS

The brick wall panels are precut and come in 3 sizes. Glue the 1 1/2" x 3 1/2" pieces one above the other on the inside of the building concrete sides at the small overlap openings. You will find that all brick pieces overlap framework 1/4". Center them. Next, glue the 2 1/2" x 3 1/2" on the upper center opening of each end piece. The 3" x 3 1/2" pieces fit on either side of this wall as shown. Now paint the inside of the brick wall pieces concrete color. Check for any places you may have missed.

STEP NO. 4 - WINDOWS

There are four 6" x 7", two 3" x 7", and two 3" x 5" plastic window pieces furnished to cover the both side and end openings. The large pieces fit side by side to



cover the side openings and the end pieces are cut with a scissor 2 1/2" x 3 1/2" to fit similar to wall sections. If you desire some open windows, cut the proper blocks (see sketch) and carefully fold the uncut end so they will stay open on a 45° angle. Do not fold too sharp or plastic will break and have to be glued. Apply a thin fillet around the window openings on the inside of the framework and press the window pieces in place lining the black mullion lines up evenly with the openings. Be careful not to get glue on windows or press too hard so glue squeezes out of openings.

STEP NO. 5 - ASSEMBLY

If you have followed all steps correctly, this step should be relatively simple. The side and end walls



3/16" SCALE MODEL PRODUCTS

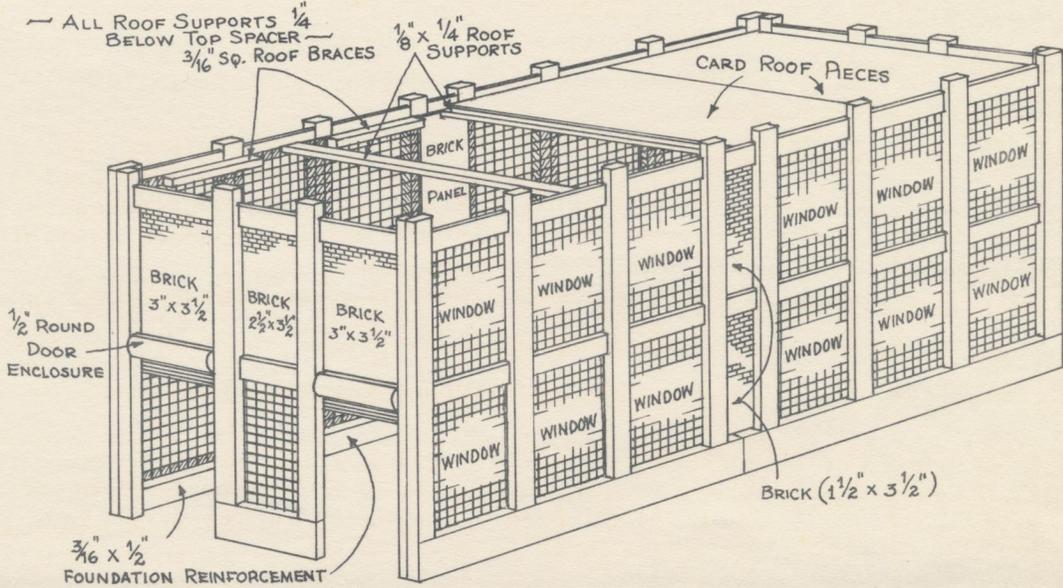
SEND SSAE FOR COMPLETE ILLUSTRATED BROCHURE AND PRICE LIST OF OUR OTHER PRODUCTS.

are now fitted and glued together. Use a flat surface to keep everything even and square. Brick walls will overlap corner pillasters. Squeeze type clothespins or small "C" clamps can hold the parts together.

Now glue thoroughly the three 1/8" x 1/4" x 8 5/8" roof supports in place. Their tops should be kept 1/4" below the edge of the top spacers or even with plastic window pieces. One is centered, other two are centered between as shown. Glue 3/16" sq. x 6" pieces across each end as roof supports, and the 3/16" sq. x 3" pieces along each side wall between the roof supports to support the edges of the roof.

Fit the four pieces of 1/16" card stock roof in place and glue around all supports.

VENT TEMPLATE



STEP NO. 6 - DETAILS

Cut .040 corrugated car door piece into 1/2" to 5/8" widths, paint aluminum and glue above the 4 door openings on inside.

Paint 1/2" half round pine car door enclosures black and glue above door openings on outside.

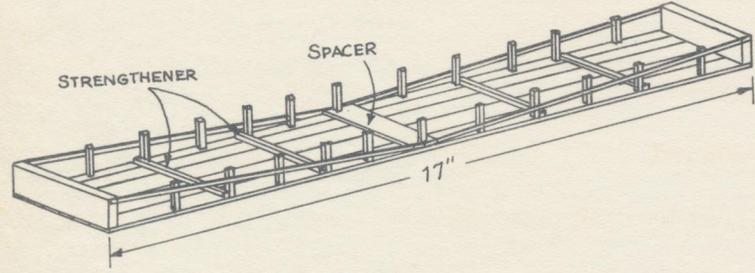
Using printed roof vent template (cut out with scissors) trace 8 on the file card stock supplied, cut out and glue to form cone shaped vents. Then glue 1/4" x 7/16" dowell to these cones to form complete vents and glue to roof in two lines at equidistant points.

Roof hatch is made by cutting file card 5/8" square and gluing to 1/8" x 1/2" sq. wood. Glue on roof near corner or side.

Paint roof flat black. Vents can be aluminum if desired.

a 3/16" x 3/4" x 2 1/2" piece flush with each end. The stairs are glued together as shown and fastened to these end pieces. Beneath the platform four 1/16" x 3/32" x 2 1/2" strengtheners are glued equidistant from center and ends. Now cut 22 legs 3/4" long from the 1/16" x 3/32" x 1 3/4" material provided. Glue these approximately every 1 3/8" along the platform. Using the 1/16" x 3/32" x 10" strips glue cross leg bracing in place. Form step railings from wire. Solder or glue joints. Paint steps and ends concrete color, the legs and braces black, and the platform a dirty wood grey. Platform is placed between tracks the length of the building.

A lot of detail can be added to this building such as lights, crane, loco parts, etc. to make it a very detailed eyepiece. So use your imagination and have fun.



STEP NO. 7 - WORK PLATFORM

As the sketch shows, use 10 pieces of 3/32" x 1/2" x 8 1/2" stripwood butted together on your wax paper and strengthened with a 3/32" x 1/2" x 2 1/2" (spacer) at the center to form a 17" long, 2 1/2" wide work platform. Glue

