



MUIR MODELS INC.

2020E So. Susan • Santa Ana, California • 92704



About the Structure

This structure was prototyped in a much reduced size from the Chicago, Burlington & Quincy Foundry in Aurora, Ill. The floor was plain dirt, common to many foundries as it helped prevent injuries from Moldon Metal splashing off a concrete floor. To Super Detail it we suggest adding piles of old castings and dirty sand around it.

CHICAGO, BURLINGTON & QUINCY FOUNDRY

BILL OF MATERIALS – HO SCALE

Item No.	Color	Qty.	Description	For Use On
1.	None		1/8 Board & Batt	Walls
2.	Brown	20	3/64 x 3/32 x 7	Interior Framing
3.	Yellow	2	.020 x 3/64 x 7	Door Framing
4.	Orange	1	1/32 x 3/32 x 7	Door Guide
5.	Red	1	1/16 sq. x 1	Door Guide Spacers
6.	None	2	1/16., 1/16scr x 1 x 5	Doors & Monitor Sides
7.	None	3	1/4 x 2 1/4 Dowels	Smoke Stacks
8.	None	5	5097 Windows	
9.	None	6	5032 Window	
10.	None	2	5021 Doors	
11.	None	1	5131 Door	
12.	None	4	Vent Castings	
13.	None	8	801 Aluminum	Roofing
14.	None	3	Unlined Cardstock	
15.	None	2	Clear Acetate	

C B & Q Foundry

Assembly Instructions

GENERAL

1. Read through all instructions, referring to the drawings and the photographs so that you understand the structure before starting. Use only oil base paints and then only after finishing the interior framing. Wash any metal parts with soap and water to remove any mold release compound. Paint any plastic parts with Floquil R19 Barrier to prevent etching of the plastic by the paint. On the HO Model the long walls are 1/16 lower in height than the ends of the short walls. Line up the bottom of the walls and the roof will then fit properly. On the N Scale Model simply sand the top of the long walls at an angle for proper roof fit.

ASSEMBLING THE WALLS

1. Separate all pieces from the die cut using an Exacto knife. Note that the two pieces that come out of the large end door form part of the walls so do not discard them. Refer to Construction Photo No. 1. The pieces shown are in their proper position so that if they are raised up they will form the walls. Match the pieces to fit the photo and check them against the drawings. Then butt glue each wall together as necessary.
2. Frame the inside of the walls following Construction Photo No. 1. Use No. 2.
3. When glue is good and dry paint the building by making a solution of Dio Sol and Coach Green. Instead of using a paint brush fold up a small piece of clean cloth, dip it into the solution and rub it onto the walls. Immediately go over this with a clean dry cloth. Add extra coats in the same manner as necessary.
4. Weather the walls with Lettering Grey putting the heaviest weathering at the bottom. Add a little touch of grime around the bottom of the walls.
5. Glue the walls together as shown in Construction Photo No. 2.
6. Stain No's. 3, 4, 5, and 6 Teak.
7. Cut the two large doors at the left end of the building, keeping them high enough for the track to go under. Cut the door under the peak and the high window at the right end of the building to size, using the sizes shown on the plan.
8. Frame the two large doors with No. 3 and glue in place.
9. Glue the door under the peak in place and install the door guide and spacers. The spacers are glued at each end of the door guide and then glued to the wall. Their purpose is to keep the door guide out from the wall far enough so that the guide will fit over the door.
10. Glue the shed onto the building as shown in the plan.

ROOF STRUCTURE

1. Using No. 2 cut the ridge pole and glue in place.
2. When dry cut and glue in the ridge pole for the center peak. All roof framing uses No. 2.
3. When dry cut the roof rafters and glue in place.
4. Measure the building for the roof cardstock, allowing $\frac{1}{4}$ " overlap all around in HO & $\frac{1}{8}$ " in N Scale. Test the fit and glue in place. Slight gaps at the joins are not important as you will later cover them.
5. Apply the corrugation to the roof using Contact Cement. Coat each strip of aluminum before cutting. When dry cut the strips into pieces varying from 4 to 8 scale feet. Apply to the roofs.
6. When dry paint the roofs with Lettering Grey and after it has dried, dry brush heavily with Rust, adding a few touches of Weathered Black.

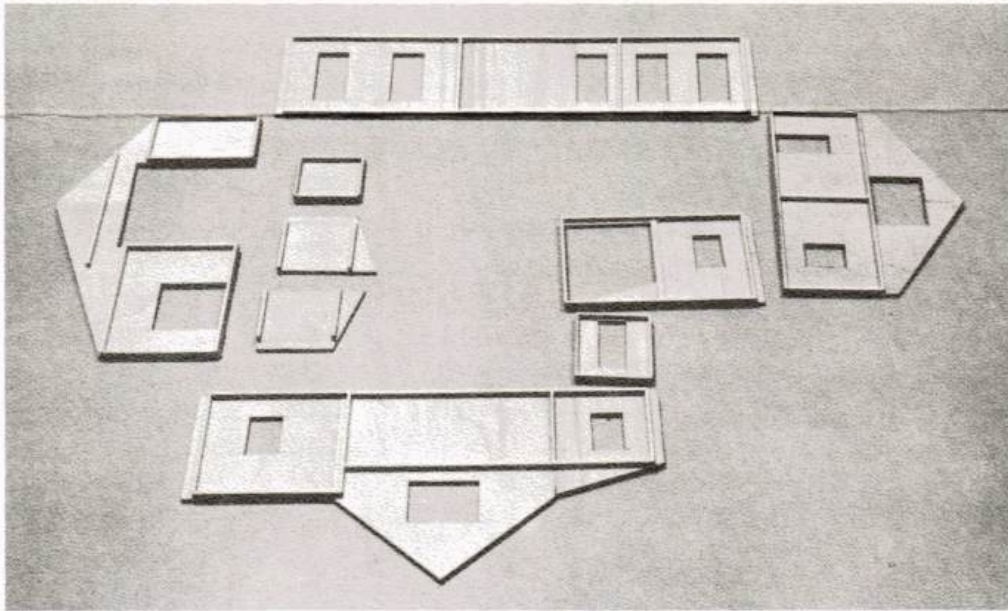
FINISHING TOUCHES

1. Build the three monitors, using the die cuts for the ends and No. 6 for the sides. Cut and glue on cardboard roofs and apply, paint and weather aluminum. Glue the Monitors in place per the plan.
2. Locate the positions of the vent stacks and smoke stacks on the roof, following the plan.
3. Paint the Smoke Stacks Weathered Black and touch up with Rust. Rust the Vent Castings.
4. Using the point of an Exacto hollow out the top of the smoke stacks.
5. Using a small drill, drill holes through the smoke stack at the points where the guy wires will go through. Use black thread for the guy wires, slipping them through each hole and tying a knot in them to hold them in place.
6. Drill the holes through the roof for the Vent Castings and the Smoke Stacks.
7. Glue Vent Stacks and Smoke Stacks into the holes.
8. When dry make tiny holes in the roof around the smoke stacks to put the guy wires through. Put guy wires through and glue to the underside of the roof.
9. Paint all metal or plastic doors and windows Lettering Grey and glue in place.

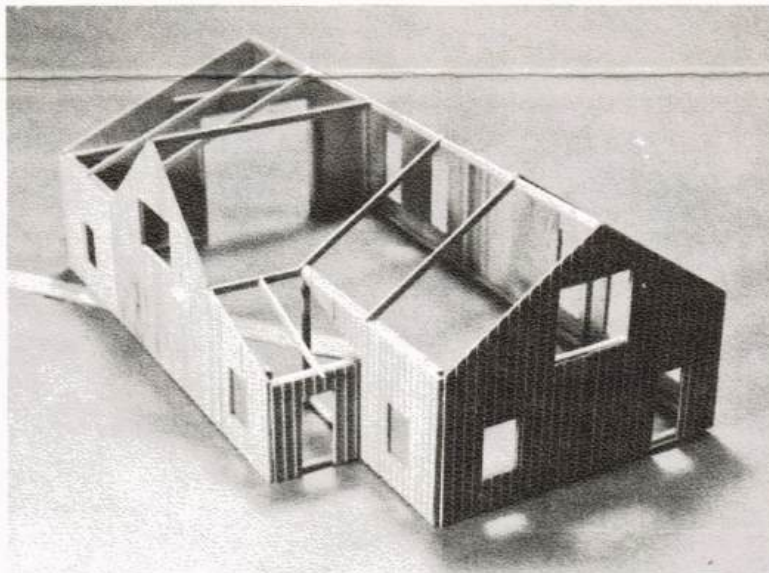
10. Cut acetate to size and glue in behind the windows.

11. Cut out the sign and glue it to the roof below the vent stacks. Weather to taste but use only water base paint on it.

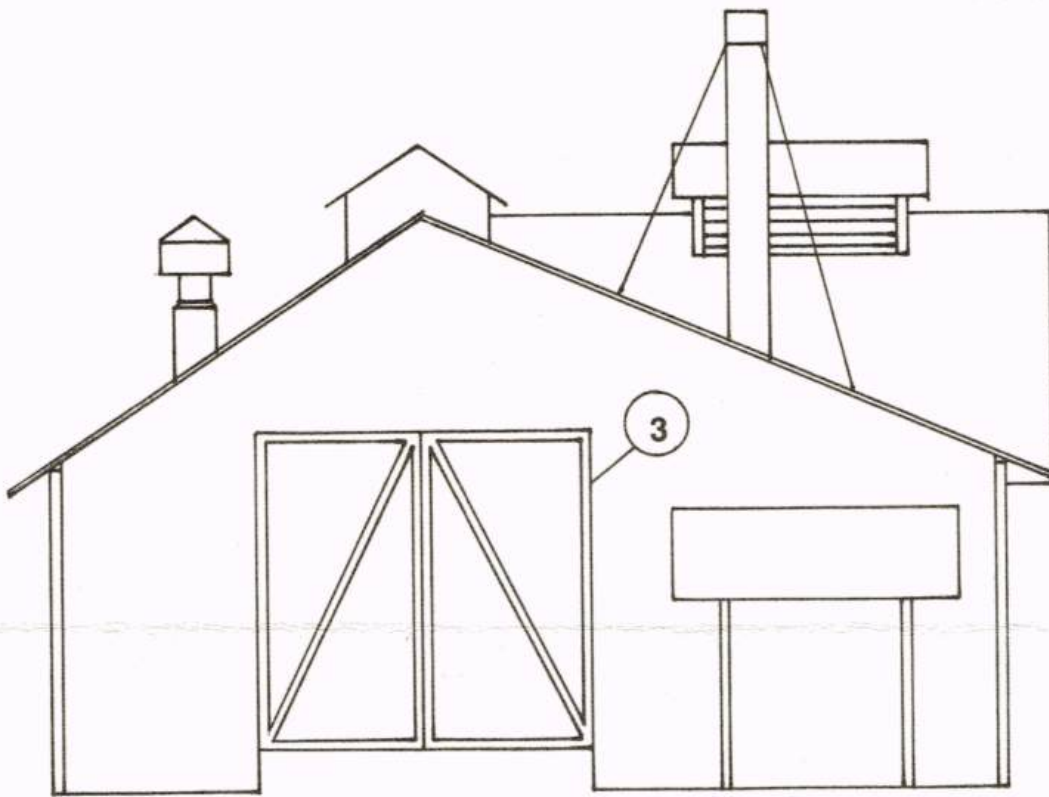
C B & Q FOUNDRY



CONSTRUCTION PHOTO NO. 1



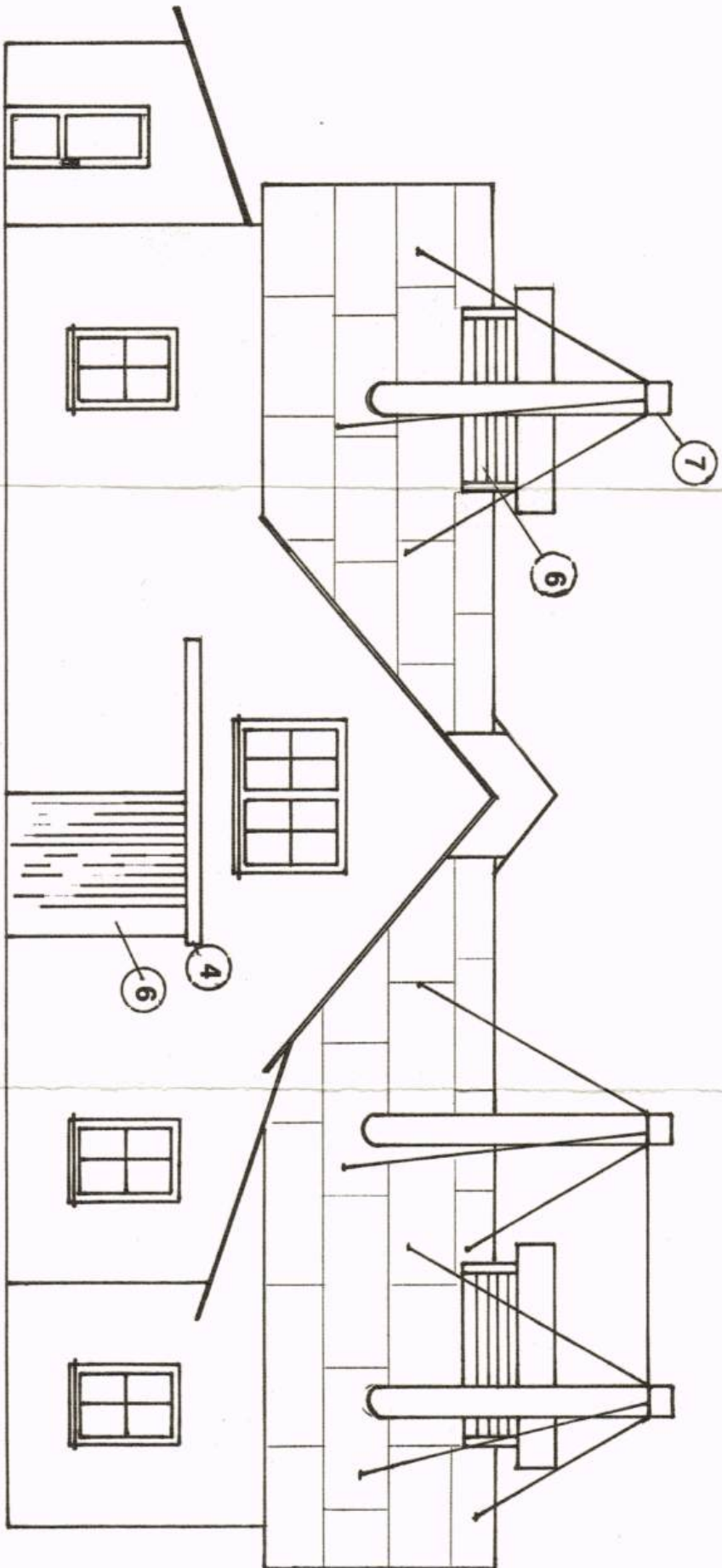
CONSTRUCTION PHOTO NO. 2



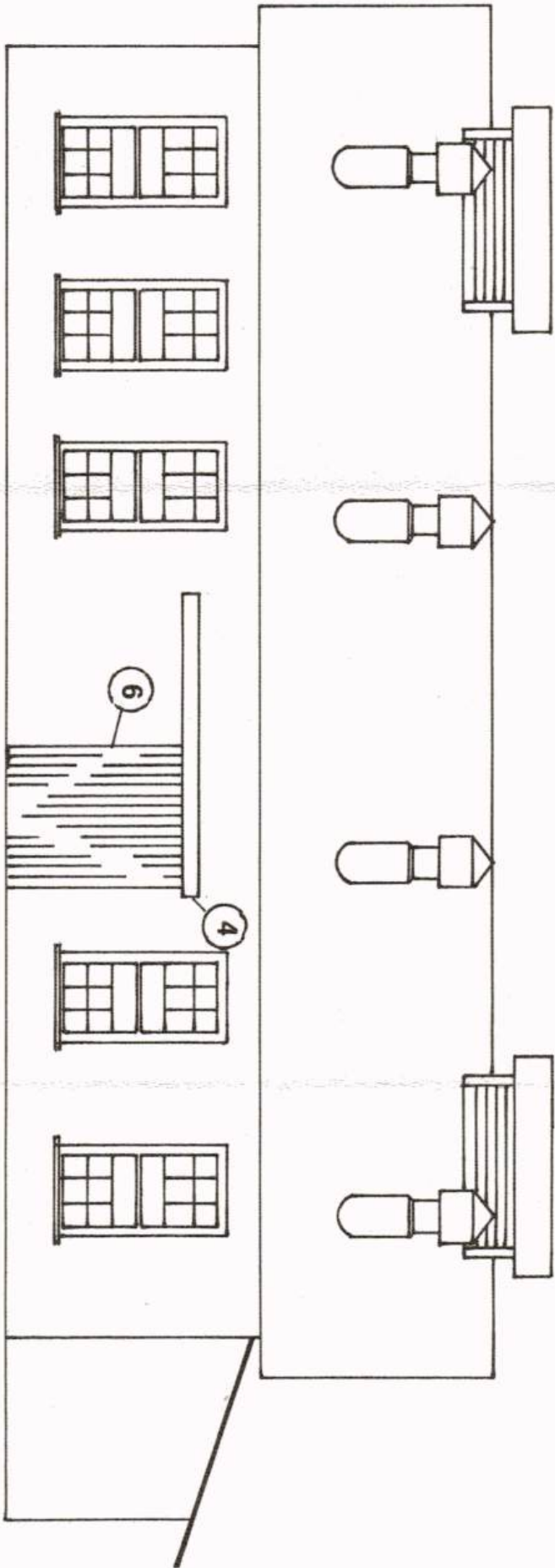
LEFT SIDE



RIGHT SIDE



FRONT VIEW



REAR VIEW