

**Pedestal Crane**  
With limited interior space, a small crane was often installed outside to assist with heavier repairs.

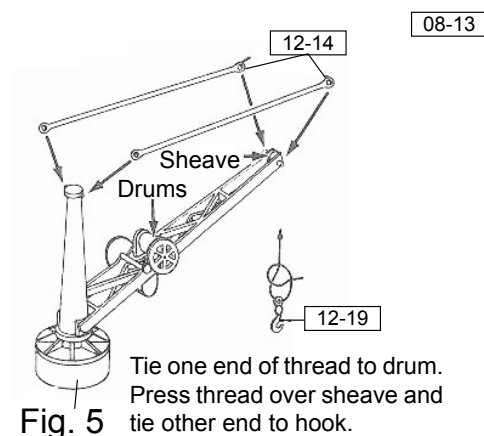
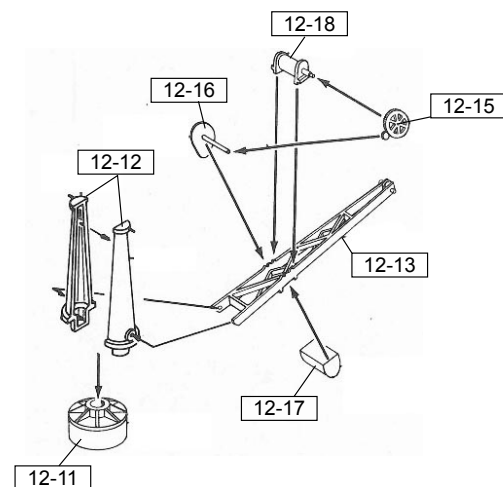
12) Glue Left and Right Mast (2x 12-12) together and to Base (12-11).

13) Note the four raised motor mounts on the bottom of the Boom (12-13); glue the Motor (12-17) in place between the mounts. Note the two bearings molded on the top of the Boom, and the shaft molded on the Winch Housing (12-16); glue the shaft between the bearings, and the lower edge of the Housing to the Motor.

14) With the shaft on the edge of the Drum (12-18) facing right: glue Winding Drum to Boom in front of of the winch shaft as shown. Carefully remove Upper Sheave (12-15) from the sprue to avoid damaging the drive gear on the bottom; align drive gear with winch shaft and drum shaft with opening in Sheave, and glue in place.

15) Tie one end of the thread to the Lifting Hook. Tie the other end to the Drum, and run the thread over the Sheave. Glue Braces (2x 12-14) to mounting pins on end of Boom and Mast as shown.

16) Glue Oil Drum Halves (2x 13-14) together and install as desired.



## HO Structure Kit TWO-STALL ENGINE HOUSE 933-3007

Thanks for purchasing this Cornerstone® kit. Please read these instructions and study the drawings before starting. If you wish to paint any parts, do so before starting construction. PLEASE NOTE: Parts are included to build the Rear Wall (02-12) with two sets of windows or a single run through stall with minor modification of the Base. With careful assembly, the Shed Doors can be positioned open or closed.

For locomotives, the workday begins with a routine inspection and general maintenance. But for decades, especially on short-lines, interurbans and industrial lines, these chores were handled in an engine shed, not a roundhouse. With no need to turn locos, a simple, rectangular shed with one or two stalls long enough to house the line's biggest engines at the time it was built, was more than enough to provide shelter from the weather, secure overnight storage, and space for a few tools and supplies. While many had only one way in and out, others were fitted with a run-through stall to simplify moving engines and other equipment as needed. The structures did share some elements of roundhouses, notably large windows to let in plenty of natural light, along with smokejacks and clerestory vents to remove exhaust gases. While the earliest examples were built of wood, longer-lasting and fireproof brick became a more common material in later years. Bigger railroads also used engine sheds where roundhouses weren't required. They were often found at the end of rural branch lines, where one or two engines handled a week's worth of chores. Many bigger towns and smaller cities generated more work than could be done in a day by a passing wayfreight, so it was common to assign a switch engine and provide an engine shed. While diesels put an end to most steam-era facilities at bigger terminals, engine sheds could be used as-is, with some still in service today. Your new model is perfect for any layout from the steam-era to the present, and can serve almost any type of railroad. Visit your local hobby shop; see the latest Walther's HO Model Railroad Reference Book or log onto walther's.com for more ideas to complete your new model.

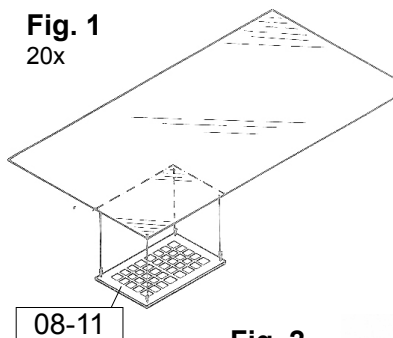
### DOORS & WINDOWS

1) Acetate is provided for window glass, cut to fit Windows as shown as shown in Figure One.

2) Front Wall: PLEASE NOTE: Doors (09-15, 09-16) are detailed on both sides; glass should be installed only on the back of each door as shown. Cut four small pieces of acetate to match Figure M and glue in window openings. Follow instructions in step 6 - 8 for Door assembly.

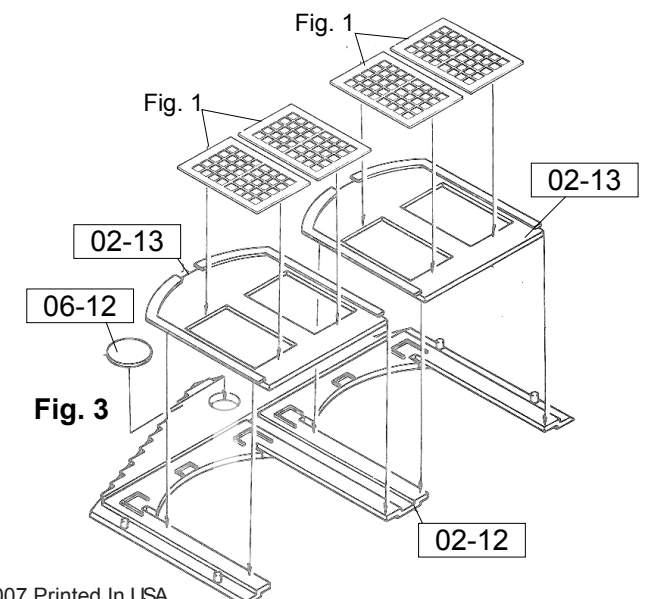
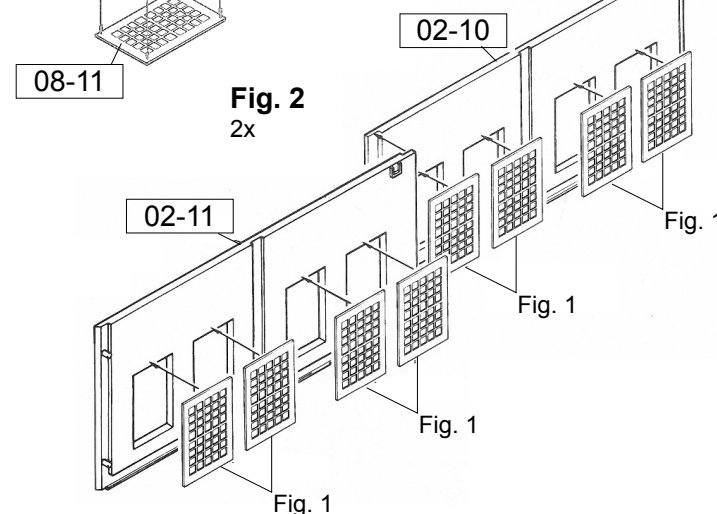
3) Rear Wall (02-12): PLEASE NOTE: this Wall can be assembled with two sets of Windows (as shown) or a single run-through stall at left or right.

**Fig. 1**  
20x



With Windows: Glue Window Inserts (2x 02-13) to inside edge of End Wall (02-12). Glue Windows (4x 08-11) to inset areas on Inserts. Be sure louvers are horizontal, and glue Vent (06-12) to opening in Wall.

With Run-Through Stall: Glue a single Window Insert (02-13) to the right or left opening of End Wall (02-12). Glue Windows (2x 08-11) to inset areas on Insert. Follow instructions in step 6 - 8 for Door assembly. Be sure louvers are horizontal, and glue Vent (06-12) to opening in Wall.

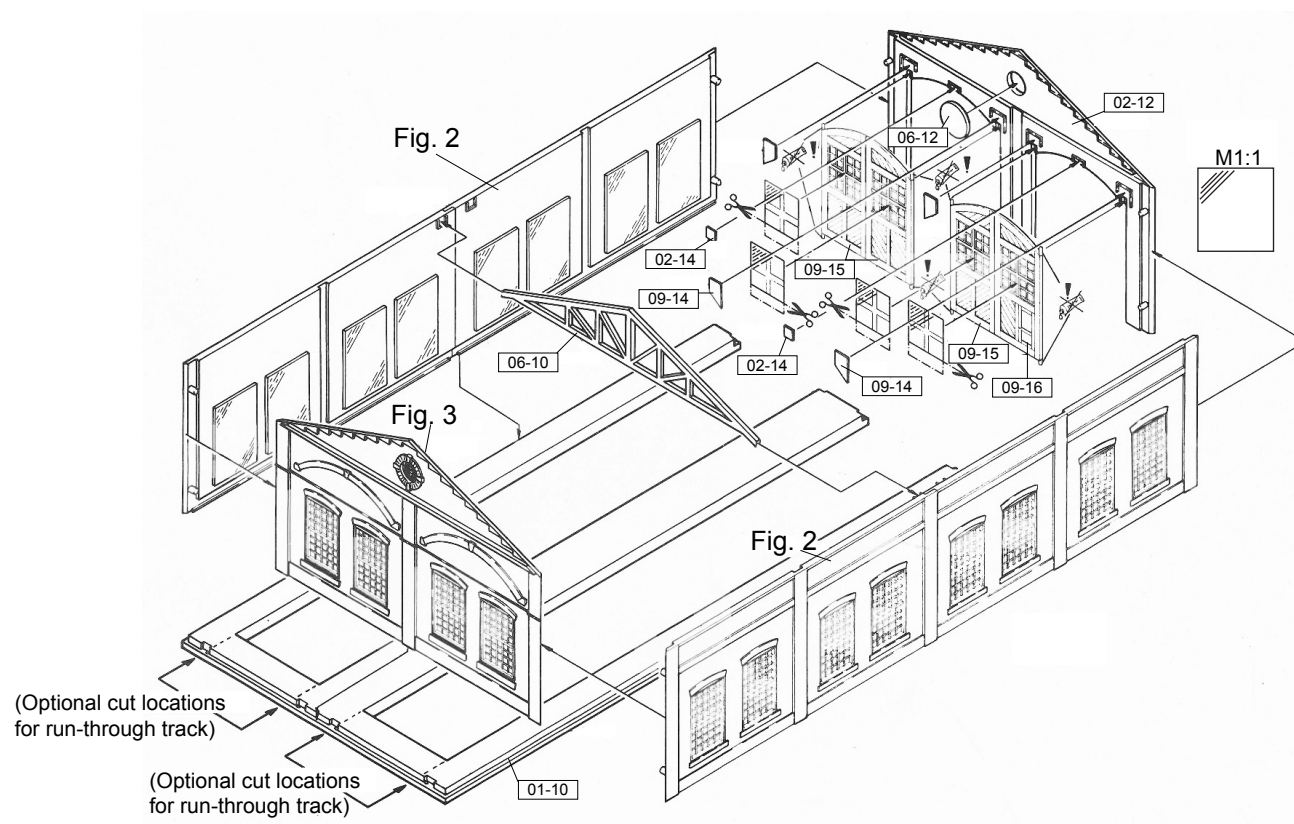


5) PLEASE NOTE: If building a run-through stall, we suggest gluing Walls to Base, which makes parts easier to align and handle during assembly, then cutting the door opening.

Note the inset areas on the edge of the Base (01-10) and the alignment pins on the back of each Wall. Use these to align parts, and glue Front, Rear and Side Walls to Base and at inside edges where parts meet. Glue Roof Truss (06-10) to notches on inside of Side Walls as shown.

#### Doors

6) PLEASE NOTE: Door #09-16 is detailed with a smaller manway door and can be installed at any location. Doors 09-15 are identical; make sure glass is installed only on the back as shown. If building a run-through stall, use a razor saw to cut the opening at left or right of the Base as shown.

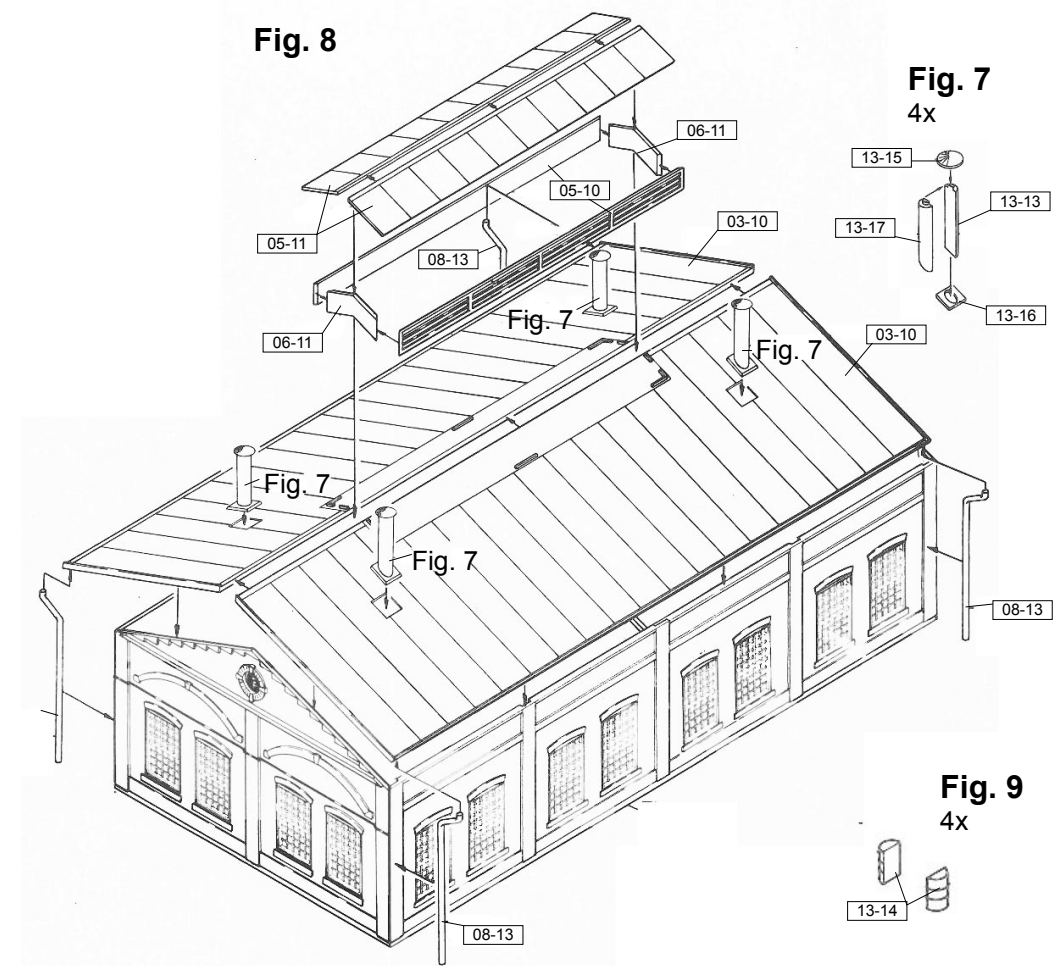


7) Assemble two or three sets of Doors, (09-15, 09-16) as shown. Note the small round openings above each doorway and in the Base, and the small pins on the upper and lower edges of all Doors. For opening doors, insert - do not glue - pins into openings.

8) Note the raised ridges on the upper left and right of each door opening; align a Hinge Retainer (2x 09-14 per doorway, one each left and right) inside these ridges and carefully glue in place; Door should pivot freely. Glue Door Retainer (02-14 - one per doorway) to center of End Walls as shown.

#### Roof

9) The finished Roof may be set in place to provide easier access for maintenance, or to add interior details and lighting (sold separately). Note the raised ridges on the back of both Roof Halves (2x 03-10); use these to align both sections with the End Walls. For a removable roof, glue only in the center where parts meet, and glue Downspouts (4x 08-13) to walls.



10) Assemble four Smokejacks: Glue Left Pipe (13-17) to Right Pipe (13-13). Glue the angled bottom of the finished pipe to the Smokejack Flashing (13-16) and the Smokejack Cap (13-15) to the top. Glue completed Smokejacks to inset areas on Roof as shown.

11) Using the raised ridges on the center of the Roof to help align parts, glue Clerestory Vent Sides (2x 05-10) and Clerestory Vent Ends (2x 06-11) to Roof and at inside edges where parts meet. With the angled edge at the top, use the raised ridges on the back of both Vent Roof Halves (2x 05-11) to align with End Walls and glue Roof to wall assembly.