



HO Structure Kit

PETERSON TOOL SPECIALTIES

933-3091

Thanks for purchasing this Cornerstone kit. All parts are made of styrene plastic so use only compatible glue and paint to finish your model. Please take a few minutes to read through the instructions and study the drawings before starting construction. PLEASE NOTE: The various walls can be arranged as desired for easy customizing, and additional kits (each sold separately) can be combined to model a larger facility. Some additional "glass" pieces are included but are not needed for assembly; these can be kept for future projects or discarded. While our ancient human ancestors would be amazed at the tools you'll use to build this kit, many would still be familiar. Over time, the methods, materials and machinery needed to produce tools have also changed dramatically. Well into the 1800s, tools were still made mostly by hand, usually by a local blacksmith. Hand forging gave way to a simpler casting process, and small foundries appeared that could now produce tools in bigger numbers. Tools for making precision cuts in wood or metal were also introduced, giving rise to the machine tool industry, providing custom-made items for a variety of firms. With the industrial revolution, large-scale manufacturing led to simplified standard designs for most basic hand tools along with faster production methods. Individual factories quickly expanded into tool works, with several operations done under one roof. As more and more consumer products powered by electricity came into everyday use, the stage was set for small but powerful electric motors, put to work on drills, saws, grinders and more. More recently, computer-controlled machinery, robotics, lasers and 3-D printing have opened the doors to even more possibilities for small tool makers that were only dreamed of a few years before. With its steel and concrete construction, your new building can be used for almost any type of manufacturing operations from the 1950s to the present with road and rail service. See your local hobby shop, the current Walther's HO Model Railroad Reference Book or visit us online at walthers.com for additional ideas and accessories to complete your model.

END WALLS

PLEASE NOTE: End Walls (3, 4, 21, 22) are interchangeable and can be arranged as desired at either end.

Wall #3

1) Glue Windows (2x 11) to inside of wall, and Glass (2x 29) to Windows. Glue Door Glass (31) to inside of Wall. Glue Brick trim (7, 8) as shown.

Wall #4

2) Glue Truck Door Glass (3x 30), and Door Glass (53) to rear of Wall. Glue Brick Trim (9, 10) as shown. Glue Bellows (3x 54) to exterior of overhead doors.

Wall #21

Glue Exterior End Siding (24) to upper area on front of Wall. Glue Small (15) and Medium (16) Brick Trim to lower edge on front of Wall. Glue Large Overhead Door (44), Window (52) Window Glass (43) and Door Glass (53) to the openings in the back.

Wall #22

Glue Exterior End Siding (25) to upper area, and Large Brick Trim (17) to lower edge on front of Wall. Glue Windows (2x 52) and Window Glass (2x 43) to the openings in the back.

SIDE WALLS

PLEASE NOTE: Individual Side Wall sections can be arranged as desired; a typical arrangement is shown.

1) Glue Interior Side Walls (4x 12 - two per side) together.

2) Make six large windows by gluing Glass (50) to Large Windows (39).

3) Glue Glass (4x 50 - one per wall) to back of window openings on Corner Walls (4x 40).

4) **PLEASE NOTE:** Parts are included to build your choice of a double ground level dock door, or two conventional truck loading dock doors (one per side).

Large Single Door

4A) Glue Overhead Door (2x 42) to Dock Wall (2x 19). Glue Trim Pieces (2x 14) to bottom edge of walls as shown.

Below Ground Level Double Doors

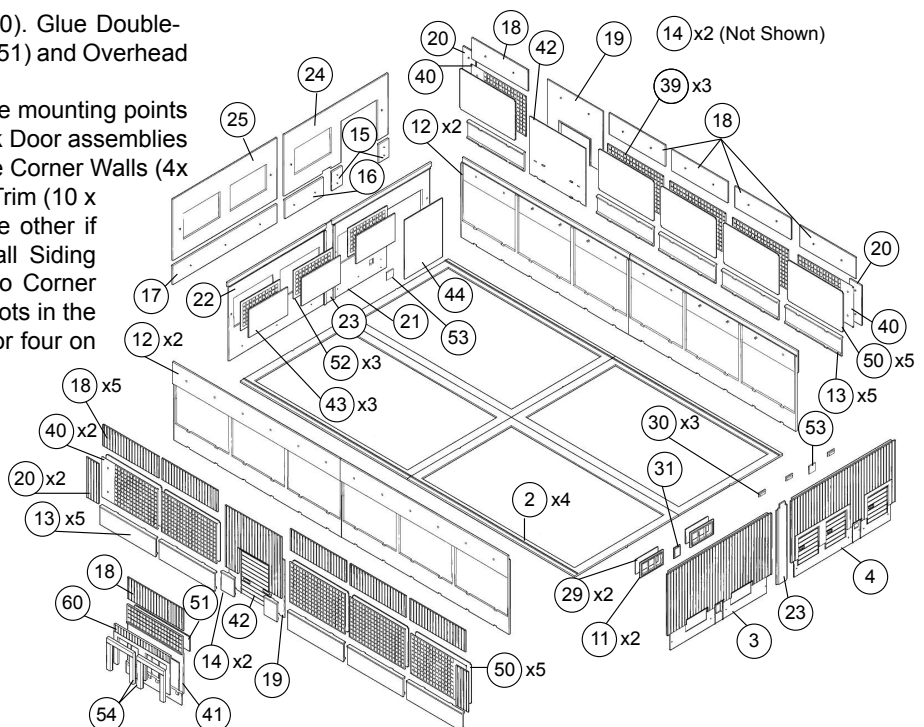
4B) Glue Bellows (2x 54) to front of Double-Doors (60). Glue Double-Door assembly to Dock Wall (41). Glue Dock Window (51) and Overhead Siding Panel (18) to top of Dock Wall.

5) Align the pegs on the backs of the Windows with the mounting points in the sides and glue Large Windows (6x 39) and Dock Door assemblies to middle areas on Interior Side Walls as desired. Glue Corner Walls (4x 40) to outside of each wall assembly. Glue Overhead Trim (10 x 18 - five per side or four on one side and five on the other if using Double Doors) above all Windows. Glue Small Siding Panels (4x 20 - two per side, one at each corner) to Corner Walls. Using the pegs on the backs to align with the slots in the sides, glue Brick Trim Pieces (10 x 13 - five per side or four on one side and five on the other if using Double Doors) to lower edge of all wall assemblies.

6) Make two sets of End Walls combining parts 3, 4, 21 and 22 as desired; glue a Splice Plate (23) between wall sections to make one large wall.

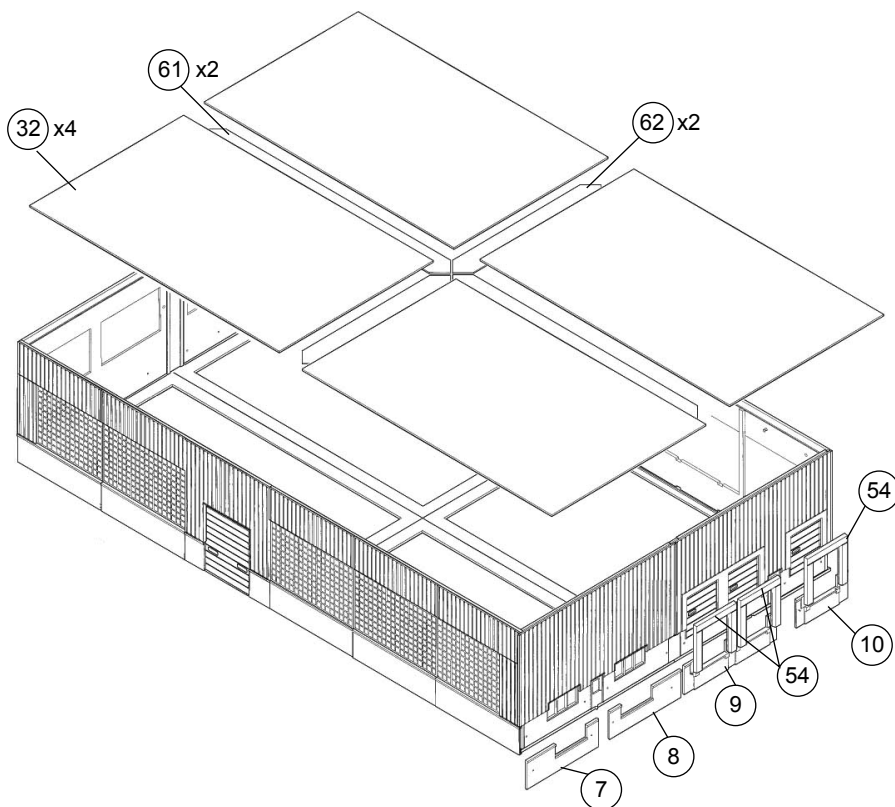
7) Note the raised ridges should always be on the outside edge of the Base sections (4x 2). Use the tabs and slots molded in the Base sections to align parts and glue together as shown. Trim the tabs off the base ends to clear the siding on the walls.

8) Using raised ridges to align parts, glue completed wall sections to Base and at inside corners where parts meet.

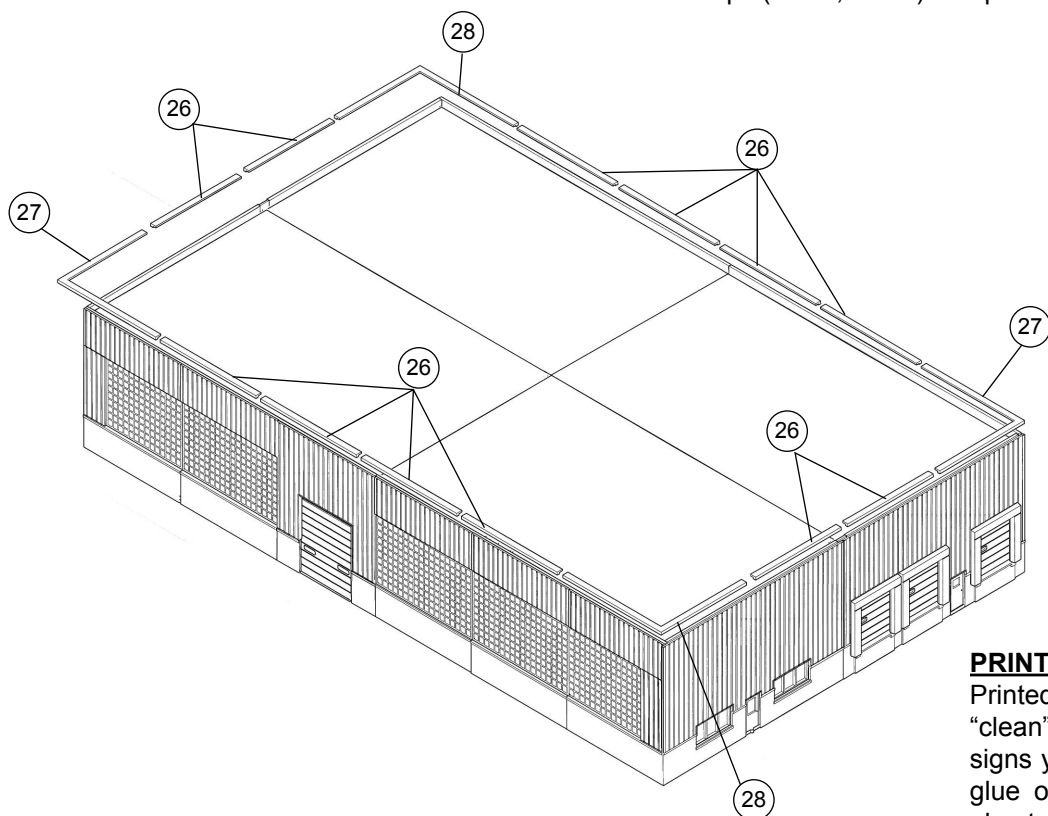


ROOF ASSEMBLY

9) For a stronger assembly, glue Long (2x 61) and Short (2x 62) Roof Splice Plates to the underside of the Roof Sections (4x 32) as shown. When dry, glue completed Roof to ridges on the inside edge of each wall.



10) Glue Wall Caps (12x 26) and Corner Wall Caps (2x 27, 2x 28) to top of walls as shown.



PRINTED SIGNS

Printed signs in both “weathered” and “clean” versions are provided. Cut out the signs you wish to use, apply a bit of white glue or rubber cement to the back, and glue to wall as desired.