



HO Structure Kit

NATIONAL FUEL SUPPLY CO.

933-4045

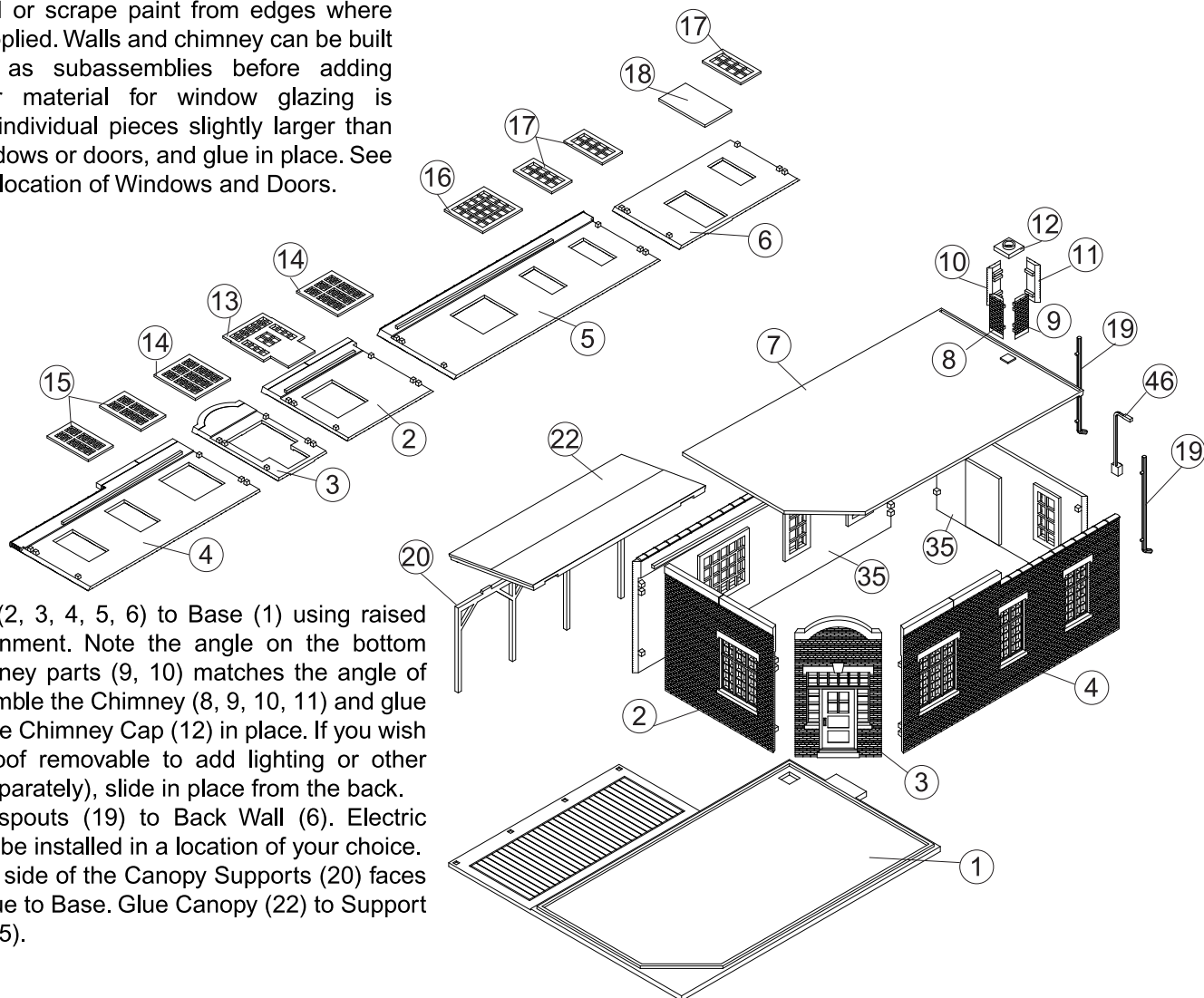
Thanks for purchasing this Cornerstone® kit. All parts are styrene plastic, so use compatible glue and paint to complete your model. Please read the directions and study the drawings before starting.

For much of the 20th century, coal was the fuel of choice for home heating and industrial use, purchased from local coal dealers. As most communities were considerable distances from the mines, it was purchased by the carload and shipped by train. On arrival, this presented problems if the dealer delayed unloading; railroads wanted their cars back earning money, and wanted to return cars owned by other roads as soon as possible to avoid daily use charges. To speed the process, railroads designed and built elevated unloading trestles at many coal yards. Using a natural or man-made elevation to raise the tracks, cars could be unloaded in minutes using gravity, and the open space below the trestle provided convenient storage. From the 1920s on, home heating oil became increasingly popular for its lower price and ease of use, prompting many coal yards to become fuel dealers by installing storage tanks and pumping equipment. Here too, the trestle could be used to offload tank cars more efficiently. As demand for coal was always seasonal, many operated other businesses such as lumberyards and grain elevators, which also required rail service. With demand for coal falling steadily in the 1950s due to the popularity of oil and gas, many made the switch to full-time oil distributor or other businesses. Designed for easy construction and installation in new or existing scenery, your model will be right at home on a layout from the 1920s to the late 1950s, and optional decals are included for a modern landscaping service to model a repurposed building.

For additional details to complete your scene, visit your local hobby dealer, check out the current Walther's HO Reference Book, or visit us online at walthers.com.

Office Assembly

1) If you wish to paint any parts, such as doors or windows, do so before starting assembly. When dry, carefully sand or scrape paint from edges where glue will be applied. Walls and chimney can be built and painted as subassemblies before adding details. Clear material for window glazing is included; cut individual pieces slightly larger than individual windows or doors, and glue in place. See illustration for location of Windows and Doors.



- 2) Glue Walls (2, 3, 4, 5, 6) to Base (1) using raised guides for alignment. Note the angle on the bottom edges of Chimney parts (9, 10) matches the angle of the Roof. Assemble the Chimney (8, 9, 10, 11) and glue to Roof (7). Glue Chimney Cap (12) in place. If you wish to leave the roof removable to add lighting or other details (sold separately), slide in place from the back.
- 3) Glue Downspouts (19) to Back Wall (6). Electric Meter (46) can be installed in a location of your choice.
- 4) Note the flat side of the Canopy Supports (20) faces the building; glue to Base. Glue Canopy (22) to Support and Side Wall (5).

Trestle Assembly

1) Glue Trestle Decks (2x 24) together. Glue the first Trestle Support (23) directly below this joint. Glue Trestle Supports to each end of the Trestle, making sure they're even with the edges of the Deck assembly. Determine which will be the outside edge; glue a Trestle Support in place 1-9/16" (3.9cm) from the outside end support as shown. Glue the remaining supports to the Deck, under the triple cross ties.

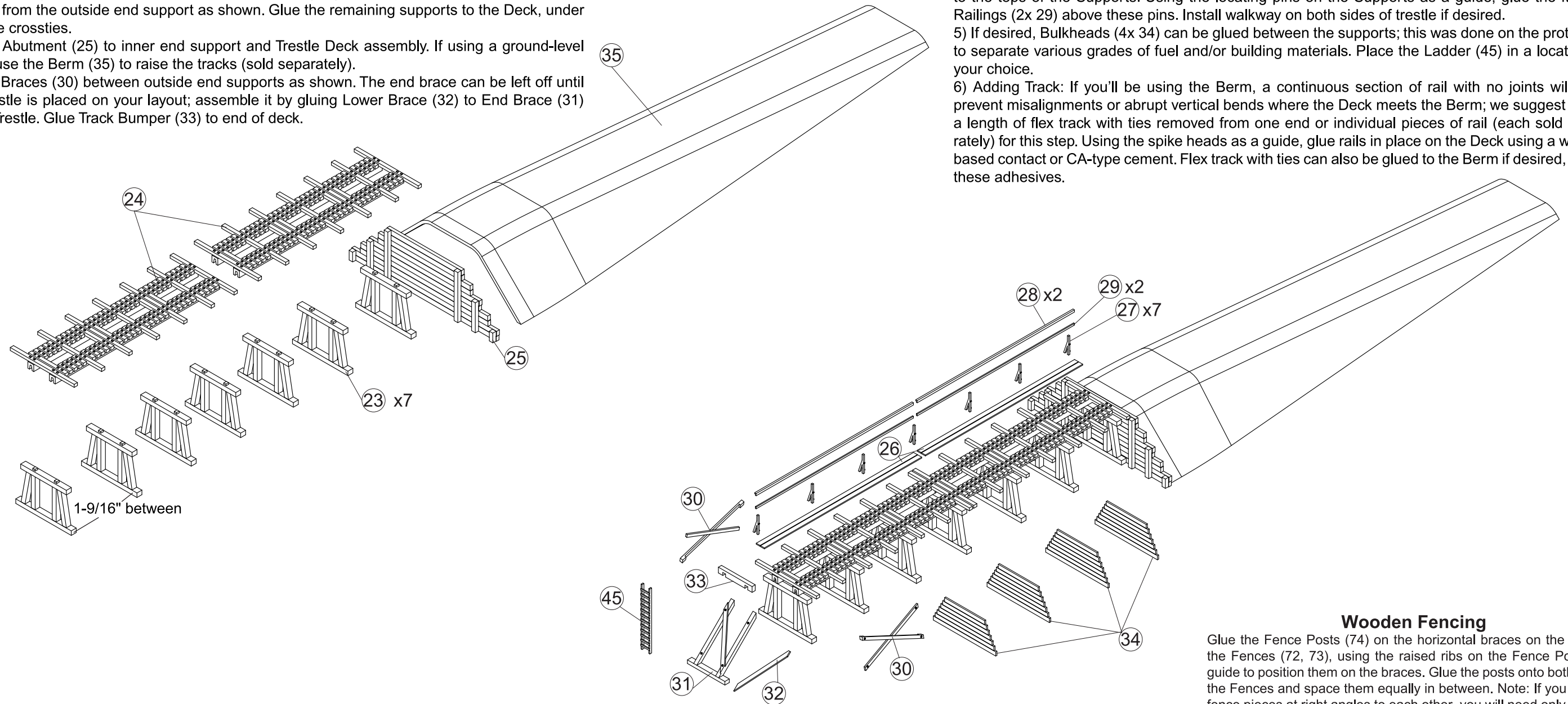
2) Glue Abutment (25) to inner end support and Trestle Deck assembly. If using a ground-level siding, use the Berm (35) to raise the tracks (sold separately).

3) Glue Braces (30) between outside end supports as shown. The end brace can be left off until your trestle is placed on your layout; assemble it by gluing Lower Brace (32) to End Brace (31) and to Trestle. Glue Track Bumper (33) to end of deck.

4) Note the small locating pins on the faces of Railing Supports (27) should face inward (toward the deck). With the end of the diagonal brace even with the end of the long tie, glue Supports in place. Place Walkways (4x 26) against Railing Supports and glue to Deck. On the Top Railings (2x 28) make sure the long leg is vertical; with the short leg of the "L" facing outward, glue the Top Railings to the tops of the Supports. Using the locating pins on the Supports as a guide, glue the Middle Railings (2x 29) above these pins. Install walkway on both sides of trestle if desired.

5) If desired, Bulkheads (4x 34) can be glued between the supports; this was done on the prototype to separate various grades of fuel and/or building materials. Place the Ladder (45) in a location of your choice.

6) Adding Track: If you'll be using the Berm, a continuous section of rail with no joints will help prevent misalignments or abrupt vertical bends where the Deck meets the Berm; we suggest using a length of flex track with ties removed from one end or individual pieces of rail (each sold separately) for this step. Using the spike heads as a guide, glue rails in place on the Deck using a water-based contact or CA-type cement. Flex track with ties can also be glued to the Berm if desired, using these adhesives.



Larger Conveyor

1. Glue the Conveyor Sides (61, 62) to the Belt (60). Glue the Motor Box (66) underneath the belt in between the little knobs on the bottoms of the sides. Glue the Chute (63) onto the conveyor assembly.

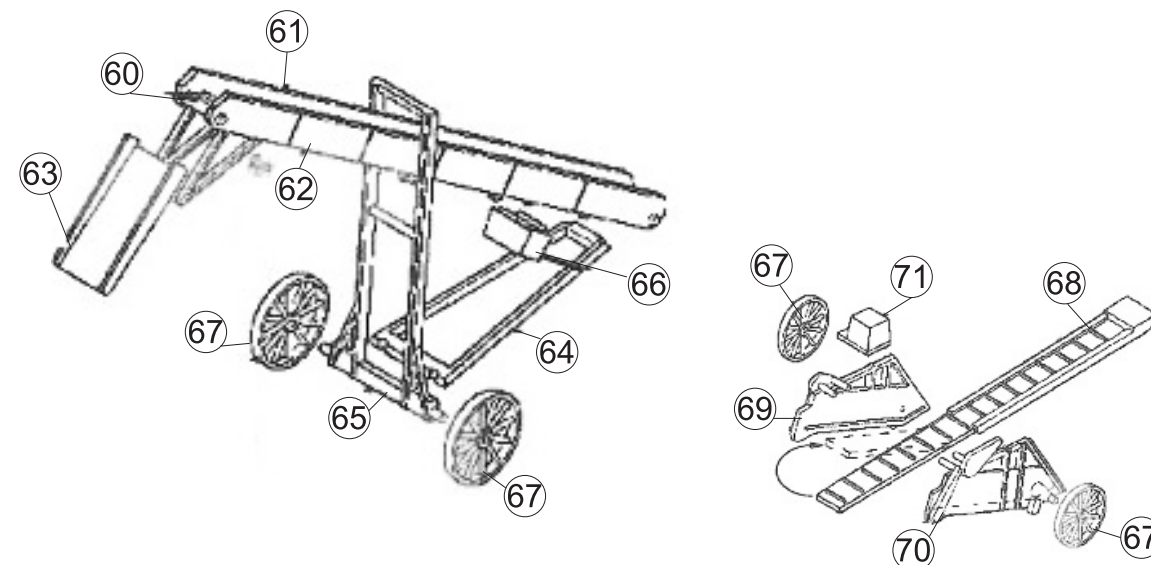
2. Slide the conveyor assembly through the top of the Upright (65) and glue it to the middle horizontal bar. Glue the Bottom Brace (64) to the upright as well as to the bottom of the conveyor.

3. Glue the Wheels (67) to the upright.

Small Conveyor

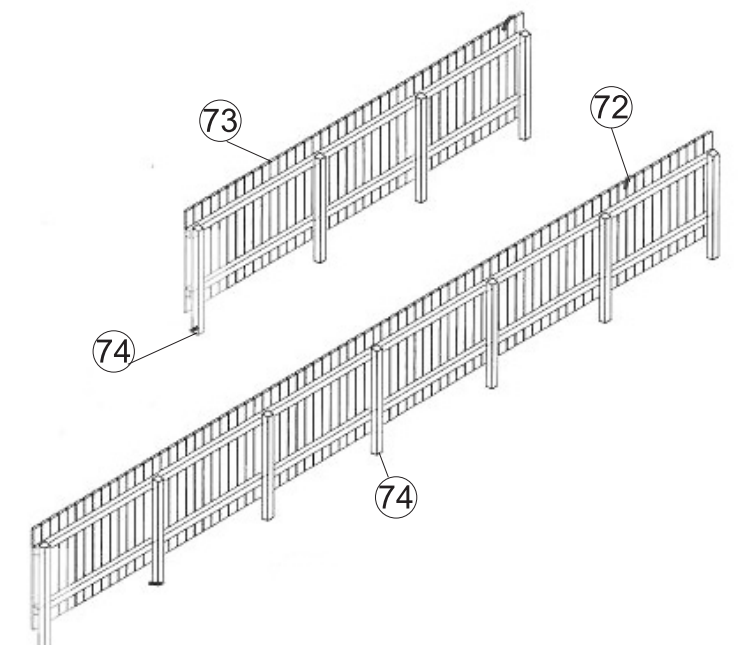
1. Bend up the end of the Unloader Belt (68), at the groove underneath, and glue to the ridges on the insides of the Sides (69, 70). Glue the Motor Box (71) in front of the nubs on the top of the sides.

2. Glue the Wheels (67) onto the sides.



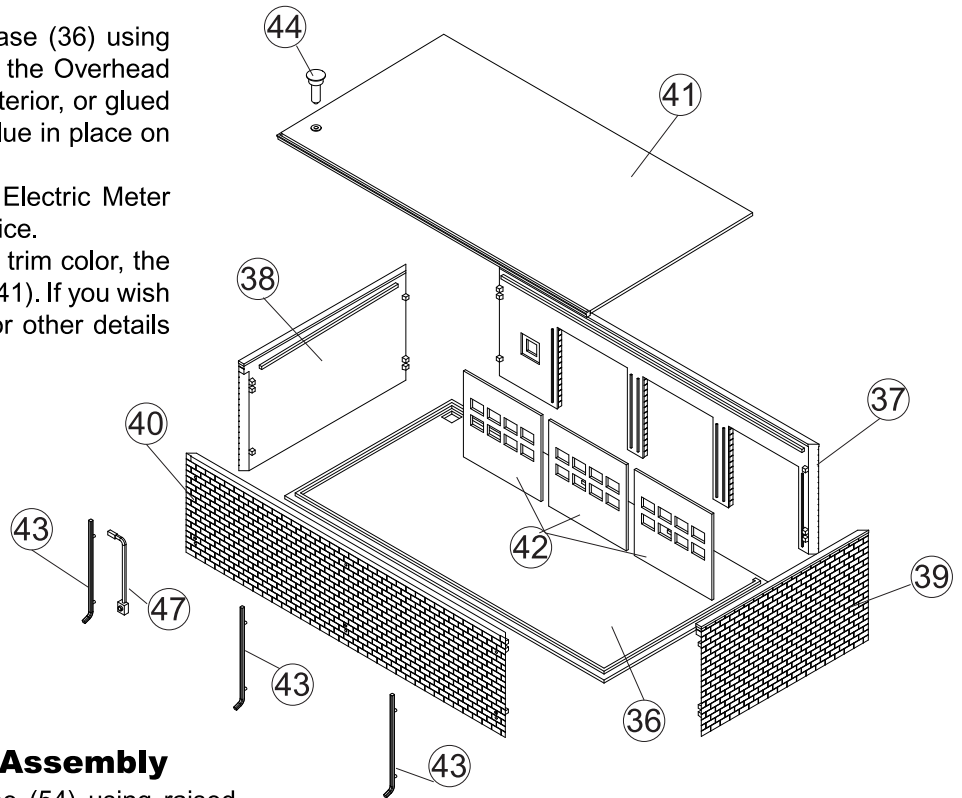
Wooden Fencing

Glue the Fence Posts (74) on the horizontal braces on the backs of the Fences (72, 73), using the raised ribs on the Fence Posts as a guide to position them on the braces. Glue the posts onto both ends of the Fences and space them equally in between. Note: If you glue two fence pieces at right angles to each other, you will need only one post in that corner.



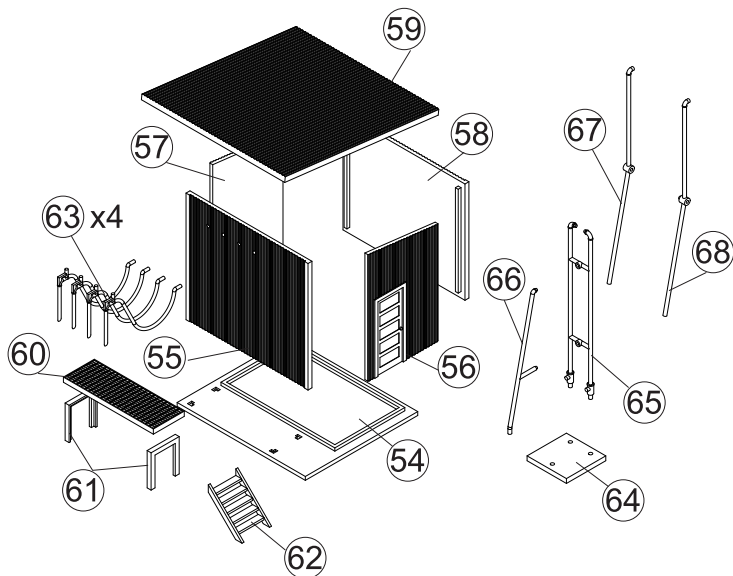
Garage Assembly

- 1) Glue Garage Walls (37, 38, 39, 40) to Base (36) using raised guides for alignment. One or more of the Overhead Doors (3x 42) can be left off to access the interior, or glued in place. Cut sections of clear material and glue in place on the back of Overhead Doors if used.
- 2) Glue Downspouts (43) to Back Wall (6). Electric Meter (47) can be installed in a location of your choice.
- 3) Two Smokejacks (44) are provided: one in trim color, the other in silver. Choose one and glue to Roof (41). If you wish to leave the roof removable to add lighting or other details (sold separately), simply set in place.



Oil Unloading and Loading Assembly

- 1) Glue Shed Walls (55, 56, 57, 58) to Base (54) using raised guides for alignment. Glue Platform Supports to Bottom of Platform (60); glue completed Platform to Base. Glue Stairs (62) to Platform. Note that parts for four Loading Hoses (63) are included, but only two are actually needed, one for each storage tank. You can install all four with an eye towards future expansion, or fill in the unused mounting points. Glue the desired number of Hoses to the Front Wall. Glue Roof (59) to walls.



DECALING

1. After cutting out the decal, dip in water for 10 seconds, remove and let stand for 1 minute. Slide decal onto surface, position and then blot off any excess water.
2. Lightly brush Micro Sol® on top. This will soften the decal allowing it to conform to irregular surfaces. DO NOT TOUCH DECAL while wet!
3. When the decal is thoroughly dry, check for any trapped air bubbles. Prick them with the point of a small pin or hobby knife blade and apply more Micro Sol®.

Oil Tank Assembly

Parts are provided for two complete tanks. Glue Tank Supports (6x 50) to Base (70). Note the location of the seams on each Tank Section (45); begin construction by gluing five sections together as shown. Glue the Tank End (47) to this assembly and Tank End (47) to the other. Make sure the pipe connection on Tank End (47) is at the bottom and glue completed tanks to Supports. Glue Vent Base (51) and Vent (52) together, and centered on Tank Section as shown. Glue Pipe (69) to Tank End.

