



HO Structure Kit **TRAINSHED WITH CLEAR ROOF** 933-2984

Thanks for purchasing this Cornerstone kit. All parts are styrene plastic, so use only compatible cement and paint to assemble your model. Please take a few minutes to read these instructions and study the drawings before starting construction. If you wish to paint your model, you may find it easier to do so before starting construction. Please note that this structure is designed so that several kits (each sold separately) can be combined to build a longer shed if desired.

Early on, railroads developed specialized enclosed shelters or "train sheds" so passengers could walk to and from trains in relative safety and comfort in any weather. By the 19th century, bigger and more elaborate "terminal" stations were being built in the heart of major cities, and architects designed ornate sheds to match. With iron now available in quantity, arches and trusses were used to build large spans, and to provide plenty of natural lighting, the roof was designed as a large skylight with glass panels between the various cross members. These proved difficult to clean and maintain, while at ground level, sidewalls trapped smoke and steam, greatly limiting visibility and making noise levels almost unbearable. Later sheds eliminated these problems using open sides and a clerestory roof created to improve air circulation. Glass panels were also replaced with solid sheets of iron or steel to reduce leakage, however this change also required installation of interior lighting. Many remained in use until the end of passenger service, and a handful are still standing after being remodeled for new uses. Based on the train shed built in 1866 by the Milwaukee Road for its Everett Street station in downtown Milwaukee, Wisconsin, this shed was in regular use until 1966. Similar sheds like your new model were constructed by many railroads across the eastern half of the United States, and the finished shed fits steam-, transition- or diesel-era layouts. The design can also be used to model a typical "head" or through station area to fit your layout. See your dealer, the latest Walthers HO Scale Model Railroad Reference Book or visit our Website at walthers.com for additional detailing ideas.

PLEASE NOTE: The illustrations in each step show construction of a single kit. If you are building a longer structure, please follow the written instructions provided.

Standard Structure:

1) Glue Main Roof Sections (2x 15) together. Glue End Roof Panels (2x 17, 2x 18) to both ends of the Main Roof.

Longer Structure:

Glue Main Roof Sections (2x 15) together. Glue one set of End Roof Panels (17, 18) to one end of this assembly. Glue the Main Roof Section (15) to the opposite end; repeat as needed. Glue End Roof Panels (17, 2x 18) to the last section of your extended Main Roof.

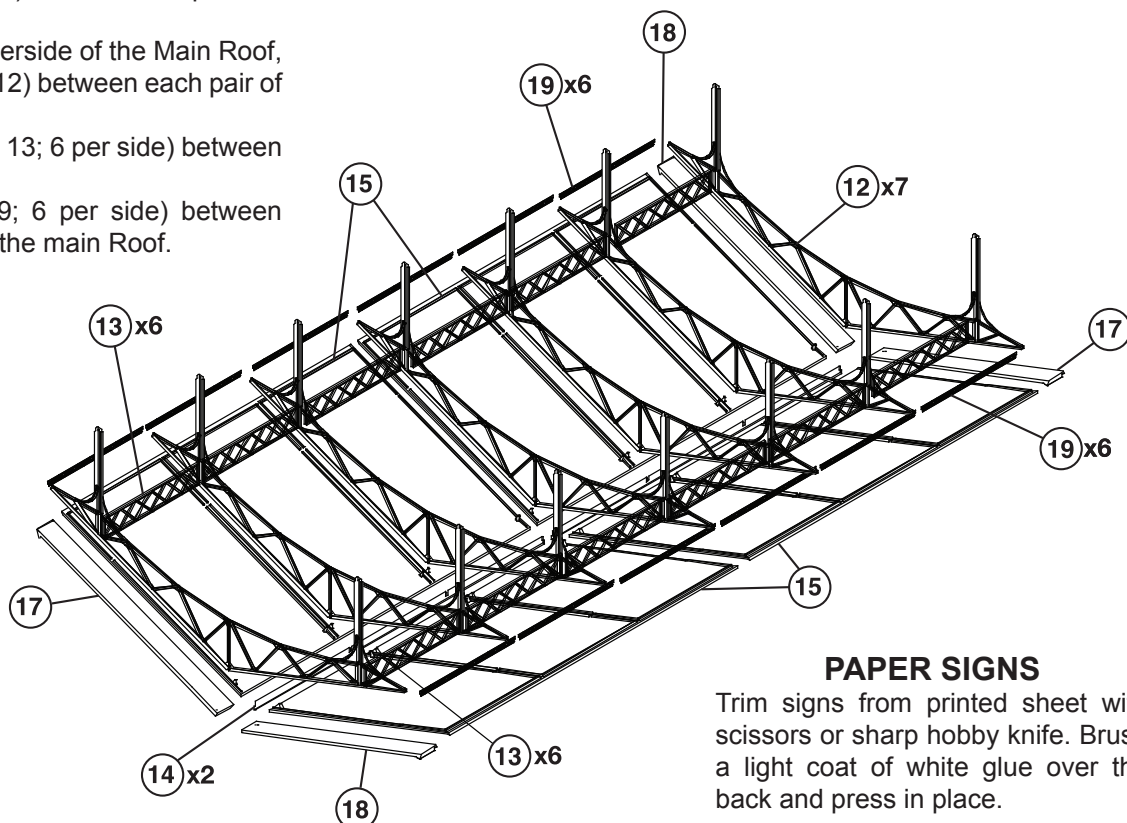
All Versions:

2) Glue Center Beams (2x 14) to the inside peak of the Main Roof.

3) Note the ridges on the underside of the Main Roof, and glue a Main Support (7x 12) between each pair of ridges.

4) Glue the Main Braces (12x 13; 6 per side) between the Supports.

5) Glue End Braces (12x 19; 6 per side) between each pair of Supports and to the main Roof.



PAPER SIGNS

Trim signs from printed sheet with scissors or sharp hobby knife. Brush a light coat of white glue over the back and press in place.

6) Note the three clips on one side of each Downspout (6x 25) are the gluing points. Before gluing, test fit each Downspout (6x 25). Trim the top if needed so that it's even with the bottom of the support I-beam, so that the structure will sit correctly on the platform mounting pads. Glue a Downspout to the left and right outside edge of the second, fourth and sixth support I-beams.

7) Clerestory

Glue Splice Plates (16, 21) to overlap inside seams as shown for a stronger joint between parts.

Standard Structure:

Glue Clerestory Wall Splice Plate (2x 21) between Clerestory Walls (4x 20). Glue Clerestory Ends (2x 22) to ends of Clerestory Walls. Glue Clerestory Wall assembly to Main Roof as shown. Glue Clerestory Roof Splice Plate (16) between Clerestory Roof (2x 23) sections. Glue Clerestory Roof Extensions (2x 24) to ends of Clerestory Roof. Glue completed Clerestory Roof assembly to Clerestory Walls.

Longer Structure:

Glue Clerestory Wall Splice Plates (21) between each pair of Clerestory Walls (20). Glue a Clerestory End (22) to one end of a Clerestory Wall. Glue first sections of Clerestory Wall assemblies to Main Roofs as shown, repeat as needed. Glue first Clerestory Roof assemblies to Clerestory Walls, repeat as needed. Glue Clerestory End (22) to last section of Clerestory Wall. Glue Clerestory Roof Splice Plates (16) between Clerestory Roofs (23). Glue Clerestory Roofs to Clerestory Walls, repeating as needed. Glue Clerestory Roof Extensions (2x 24) to ends of completed Clerestory Roof.

8) Side Platforms

Glue Outside Splice Plates (11) to overlap seams below Outside Platforms as shown for a stronger joint between parts.

Standard Structure:

Glue Outside Platform Splice Plate (2x 11, one each side) between ends of each pair of Outside Platforms (4x 3; two per side). Glue Outside Platform Ends (4x 7: two per pad) to both ends of each Outside Platform.

Longer Structure:

Glue an Outside Platform Splice Plate (11) between each pair of Outside Platforms (3; two per pad) and repeat as needed. Glue Outside Platforms Ends (7: two per pad) to both ends of completed Outside Platforms.

9) Inside Platforms

Glue Inside Platform Splice Plates (10) to overlap seams below Inside Platforms as shown for a stronger joint between parts.

Standard Structure:

Glue Inside Platform Splice Plate (2x 10, one each side) between ends of each pair of Inside Platforms (4x 2; two per side). Glue Inside Platform Ends (4x 6: two per pad) to both ends of each Inside Platform.

Longer Structure:

Glue Inside Platform Splice Plate (10) between ends of each pair of Inside Platforms (2; two per side) and repeat as needed. Glue Inside Platform Ends (4x 6: two per pad) to both ends of completed Inside Platforms.

10) Center Platform

Glue Inside Platform Splice Plate (9) to overlap seams below Center Platform as shown for a stronger joint between parts.

Standard Structure:

Glue Center Platform Splice Plate (9) between ends of Center Platforms (2x 1). Glue Center Platform Ends (2x 5) to both ends of Center Platform.

Longer Structure:

Glue Center Platform Splice Plates (9) between ends of each Center Platform (2x 1) and repeat as needed. Glue Center Platform Ends (2x 5) to both ends of completed Center Platform.

10) Select a location for your model. Use the platform assemblies to temporarily align four lengths of track, each slightly longer than your platforms. Make sure the edges of all Platforms are tight against the rails. Place the Center Platform between the inside rails of the two middle tracks. Place each Inside Platform against the outside rails. Place each Side Platform on the next outside rail. Be sure the ends of all Platforms align with each other.

11) DO NOT GLUE! Test fit the completed Shed assembly in the openings in the Side Platforms - adjust as needed so the shed sits squarely with the columns in the openings. Test your tracks for proper operation then secure the tracks and Platforms to your layout. An additional track can now be added along the outside of both Side Platforms as shown. Glue Track Center Platforms (12x 6) to Pad (6 x 8) and place between the rails; repeat as needed for a longer structure. Set (do not glue) the completed Shed in the Platform openings so it can be removed for track cleaning and other future maintenance.

