HO Structure Kit

PLANING MILL AND SHED

933-3059

Thanks for purchasing this Cornerstone kit. Please read the instructions and study the drawings beforestarting construction. All parts are styrene plastic, so use compatible paint and glue to assemble and finish your model. Some additional parts are included that aren't needed for construction; keep them for future projects or discard them.

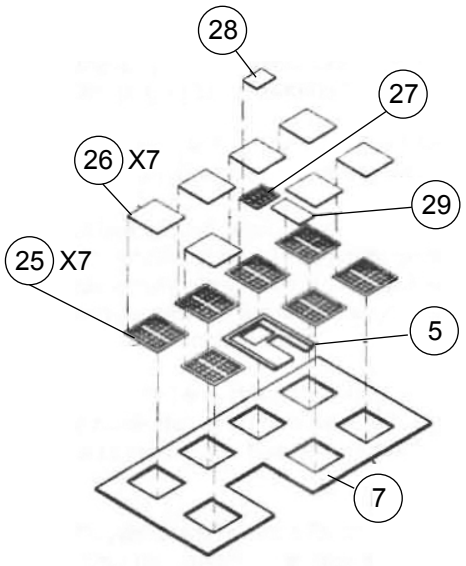
Whether 2 x 4" studs for a new house, parts for a back yard deck, or a sheet of plywood for your layout bench work, commercial lumber is among the most common building material in use today. The process begins in the forests, where suitable trees are harvested and shipped to saw mills. There, the log is shaped into rough-cut lumber, slightly larger than its final size. This lumber is then graded, sorted and stacked for drying in the open air or a special kiln. When ready for final finishing, its moved from the drying area to theplaning mill. These are usually large, simple and functional buildings constructed near the sawmill to house special cutting machines known simply as "planers." In operation, rough-cut boards pass through rotating precision cutters set to the dimensions of the lumber being produced, and all edges are smoothed. Today, much of this machinery is automated and runs at high speeds, so a finished board is turned out in seconds. Some mills produce all sizes of materials, while others specialize in a single product, such as 2x4s or smaller, dimensional lumber used in making window frames, baseboards, doorframes and decorative trim. The cutting machinery generates large amounts of sawdust, which has to be removed to reduce the danger of fire. Vacuum systems pull the dust into overhead storage bins, where its reloaded into trucks and sold for animal bedding and other uses. Finished lumber is stored outside of the planning mill, typically under cover to protect it from rain. From here, its ready to ship, and in modern operations its banded and/or wrapped in plastic. Perfect for steam- or diesel-era layouts, your new model is perfect as part of a larger sawmill or woodworking plant, or a freestanding operation. See your dealer, the current Walthers HO Scale Model Railroad Reference Book or walthers.com for additional details to complete your scene.

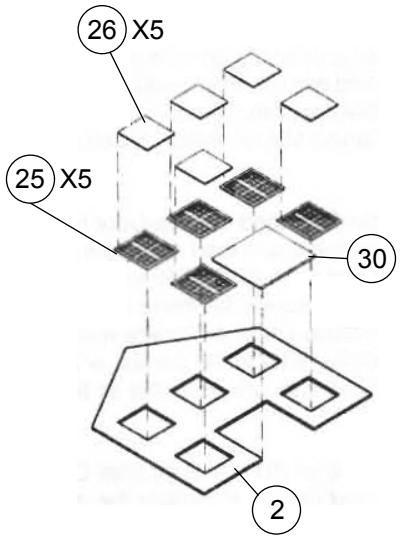
Doors and Windows:

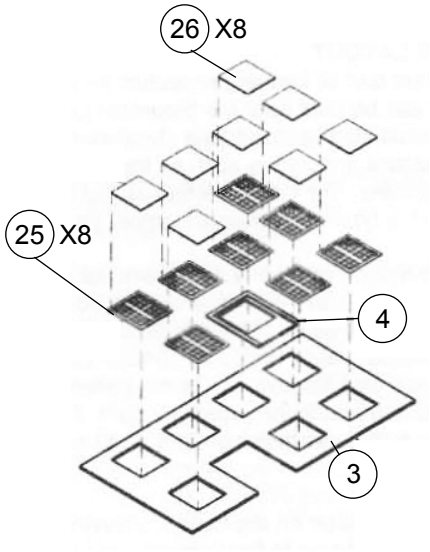
Front Wall (7): Glue Entry Insert (5) to large opening. Glue Entry Door (29) and Transom Window (27) to Insert. Glue Transom Glass (28) to Transom Window. Glue Double Windows (7x 25) to openings and Double Glass (7x 26) to Double Windows.

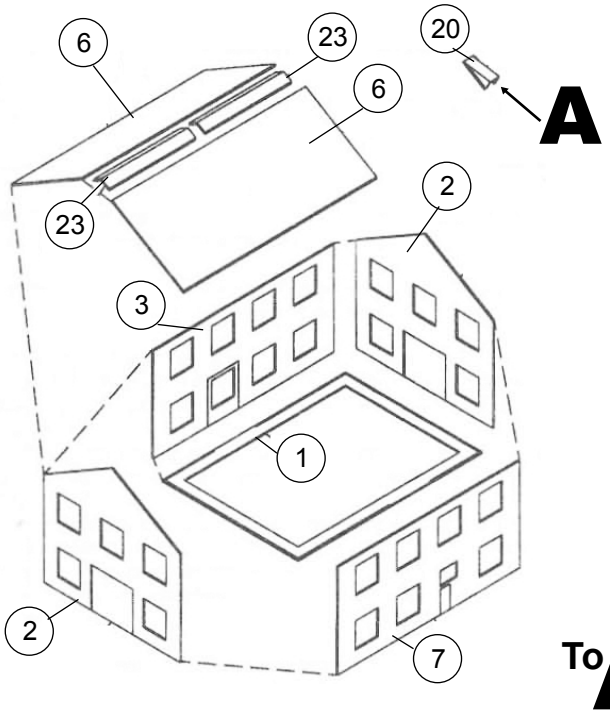
Rear Wall (3): Glue Window Insert (4) to large opening. Glue Double Windows (8x 25) to openings and Double Glass (8x 26) to Double Windows.

End Walls (2x 3): Glue Loading Dock Doors (2x 30) to large openings. Glue Double Windows (5x 25) to openings and Double Glass (5x 26) to Double Windows.







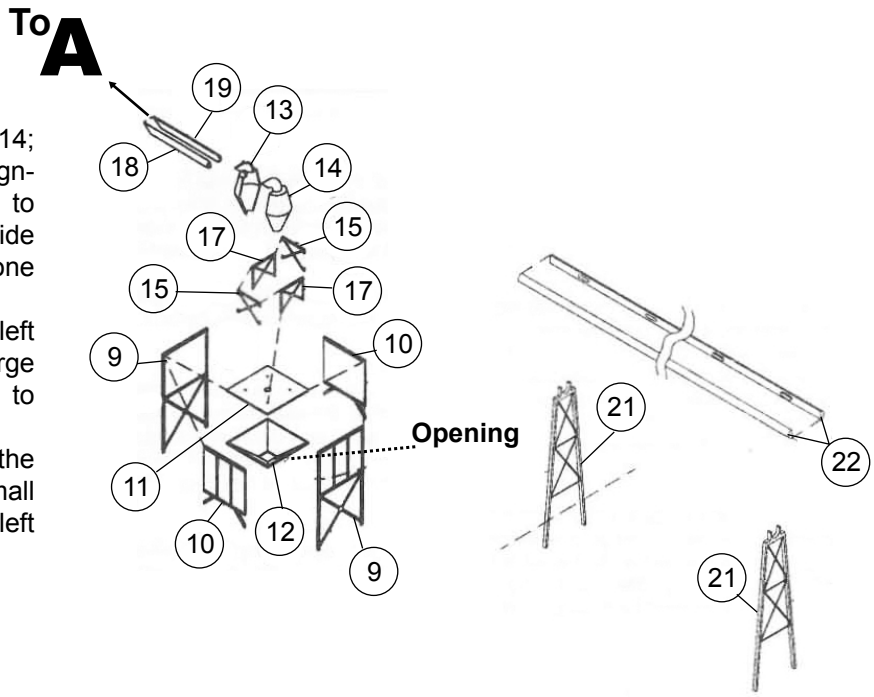


Main Building:

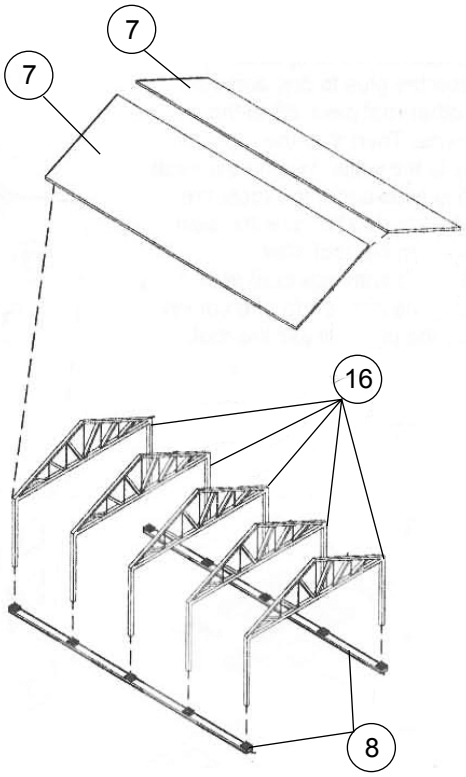
1) Using raised ridges on Base (1) to align parts, glue Walls (2x 2, 3, 7) to Base and at inside corners where edges meet.
2) Note the angled edge of each Roof Half (2x 6) is the top. Use the small raised ridge on the underside ofthis edge to position Roof Joiners (2x 23) and glue in place. Glue Roof Halves to Joiners and in center where parts meet. Glue finished roof assembly to wall assembly. PLEASE NOTE: Discharge Cover (20) will be installed after assembly of the Dust Collector.

Dust Collector:

1) Make sure inside ridges on Bunker Sides (2x 10) are vertical; align Sides at top of Main Bunker Walls (2x 9), inside the large and small raised ridges and glue where parts meet. Align the discharge opening in the Bunker Bottom (12) toward either Side #9, and glue in place under raised ridges on bottom. With the raised circular ridge facing upward, glue Bunker Roof (11) to ridges at top.



2) Glue Cyclone Right (13; plain) and Left Halves (14; small mounting point) together. Note the correct alignment of the Cyclone Supports. Apply glue only to flanges on Side Supports (2x 15) and attach to outside of Main Supports (2x 17). Glue completed Cyclone Support to openings in Bunker Roof.
3) PLEASE NOTE: Align the small opening on the left side of the Cyclone (#14) 180° from the discharge opening on the Bunker Bottom; glue Cyclone to Supports and raised circular ridge onBunker Roof.
4) Glue Inlet Pipe Halves (18, 19) together. With the angled end facing downward as shown, glue the small pin on the Inlet Pipe to the mounting point on the left side of the Cyclone.



5) Outlet Pipe Halves (2x 22) can be used to connect the Bunker with the slash burner in the Mountain Lumber Company Sawmill (#933-3056, sold separately). Glue Outlet Pipe Halves together and to discharge opening in Bunker Bottom. To fit uneven ground, trim bottoms of Pipe Supports (2x 21) as needed; glue completed Outlet Pipe to Pipe Supports. If a longer outlet pipe is needed, use parts from Piping Kit (#933-3105, sold separately).
6) Test fit the completed Bunker alongside the Main Building with the Inlet Pipe touching the roof. When satisfied with the location, glue Inlet Cover (20) to roof so it covers the angled end of the Inlet Pipe.

Covered Drying Area:

1) Note the angled edges of the Shed Roof Halves (2x 7) are the top. Glue raised tabs on tops of Trusses (5x 16) to openings on underside of Roof, and glue Roof Halves in center where parts meet. Glue Foundation Pads (2x 8) to bottom of Trusses.

DECALING

1. After cutting out the decal, dip in water for 10 seconds, remove and let stand for1 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 con-form 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®.