



HO Structure Kit **ADD ON SILOS** 933-3023

Thanks for purchasing this Cornerstone kit. Please read all instructions and study the drawings before starting. All parts are molded in styrene plastic, so use compatible glue and paint to assemble and finish your model. You may find it easier to build some portions as subassemblies before painting. **PLEASE NOTE:** To use your new model with the ADM® Concrete Grain Elevator kit (#933-3022), or combine additional add-on kits to build a larger facility, portions of the Silo Roof (6) and Base (1) need to be cut as noted in step 1. To simplify assembly, you may wish to have these additional kits on hand before starting. Some parts included in this kit are not required for assembly; keep them for future projects, or discard as desired.

Throughout the breadbasket of America and Canada, as well as major port cities, large concrete terminal elevators are common sights today. While small towns once boasted several small elevators, these have largely been replaced by much larger facilities in a central location. One of the major advances that made this possible was the acceptance of poured concrete construction early in the 20th century. Although more complex to design and build, concrete elevators offered superior toughness, durability, and insulating qualities, along with being highly resistant to fire, insects and rodents. While the structures have changed, the basic function of any elevator is still the purchase of all types of edible grains, either for use by a parent company, or for resale on the open market. The grain will often be stored, waiting for better prices or the arrival of empty rail cars to transport it to the final customer. Grain is received by barge, truck and rail at these larger terminals and a small sample taken from each incoming load to check for moisture content and cleanliness. Incoming grain is then moved on an underground conveyor system to the head house (tower). From there, compressed air moves the grain through a network of pipes where it's distributed into the various storage silos. Moving grain from outlying elevators to the final customer has long been a job for railroads, and the grain elevator remains one of the most common trackside industries. With a rapid turnover of cars on a year-round basis, a terminal elevator provides plenty of work for any model railroad. For additional vehicles, figures, scenery, railroad equipment and more to complete your scene, see your hobby shop, check out the latest Walthers Model Railroad Reference Book or visit us online at walthers.com.

PLEASE NOTE BEFORE STARTING: Molded cut lines are provided at both ends of the Base (1) and Silo Roof (6); by removing one end as shown, the kit can be joined with the ADM Elevator, or remove both ends to build center sections that can be combined for a longer structure. This kit has been retooled with slots and tabs to make alignment of the Side and End Walls more accurate and easier; follow the general instructions to join parts.

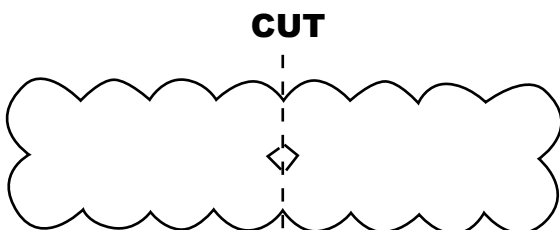
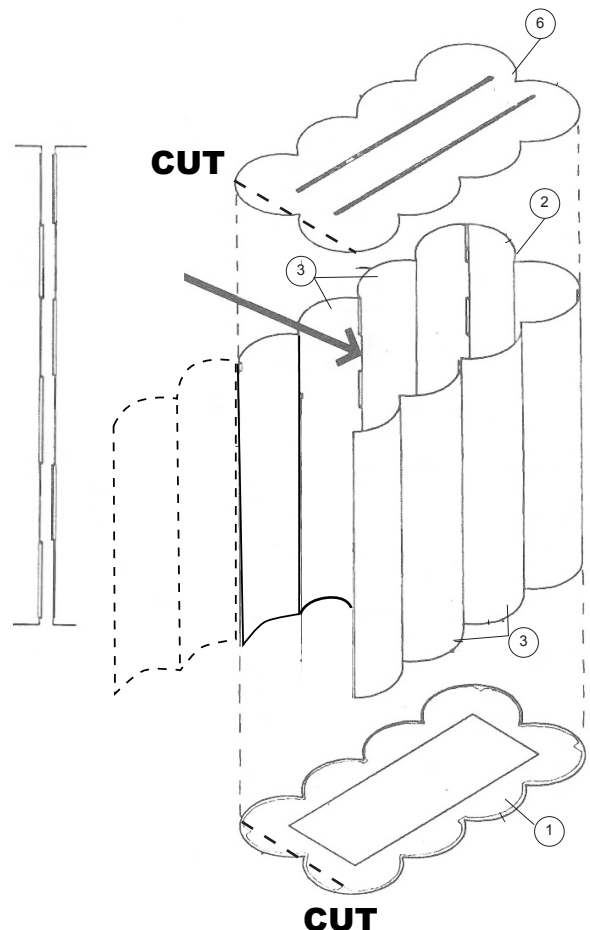
Standard Assembly

1) Using a saw or hobby knife, carefully remove one end of the Base and Silo Roof as shown; remove both ends for a center section. If using a knife, start by replacing the blade. **CAUTION** - Always position your hands and the parts carefully and make all cuts away from you! Use the molded lines to guide each cut - work slowly making several light passes to avoid damage or injury. Once removed, check that the cut ends are square and sand or file if needed.

2) Align the tabs and slots on the inside of each pair of Side Walls (2x 3) as shown, and glue at inside edges where parts meet - the dashed lines at left show attachment points for additional silos if used. Repeat for second set of Side Walls.

3) Using raised ridges to align parts, glue each pair of Side Walls (2x 3) to Base (1). Repeat for second set of Side Walls.

4) **PLEASE NOTE:** If building a center section, skip this step. For use with the ADM Grain Elevator, remove one end from the Roof (6) and Base (1) as shown. Align tabs and slots on inside of one End Wall (2) with both Side Walls, and with raised ridge on base, and glue along inside edges where parts meet - remaining End Wall is not used. Align raised ridges on underside of modified Silo Roof (6) with tops of wall assemblies and glue where parts meet. Align tabs and slots on open ends of Add-On Silos with silos from ADM Elevator and glue at inside edges where parts meet.



5) PLEASE NOTE: Cut each Head House Roof Half (2x 36) to 8-5/16" (21.1cm) long, matching the overall length of the Head House Side Walls (32, 33).

6) Using white glue to avoid damage, glue Windows (8x 39, four per side) to the inside of Right (32) and Left (33) Head House Side Walls and End Wall (34).

7) PLEASE NOTE: the narrow portion above each window of the Side Walls as shown is the top; be sure parts are aligned correctly and glue flat edges of Left (plain) Head House End Wall (35) inside raised ridges on left end of Side Walls (32, 33) as shown. Align angled edges of Right (window) End Wall (34) with angled edges of both Side Walls and glue where parts meet.

8) Using the raised ridges on top of Silo Roof (6) to align parts, glue head house wall assembly in place as shown.

9) Make sure cut ends of modified Roof Halves (2x 36) face each other and touch on each silo assembly; glue to tops of walls and along centerline where parts meet.

