



# HO Structure Kit WIDE OR TALL OIL TANK

933-3167 & 933-3168

Thanks for purchasing this Cornerstone Series Kit. Please read all instructions before starting. All parts are molded in styrene plastic. Use glues and paints which are compatible.

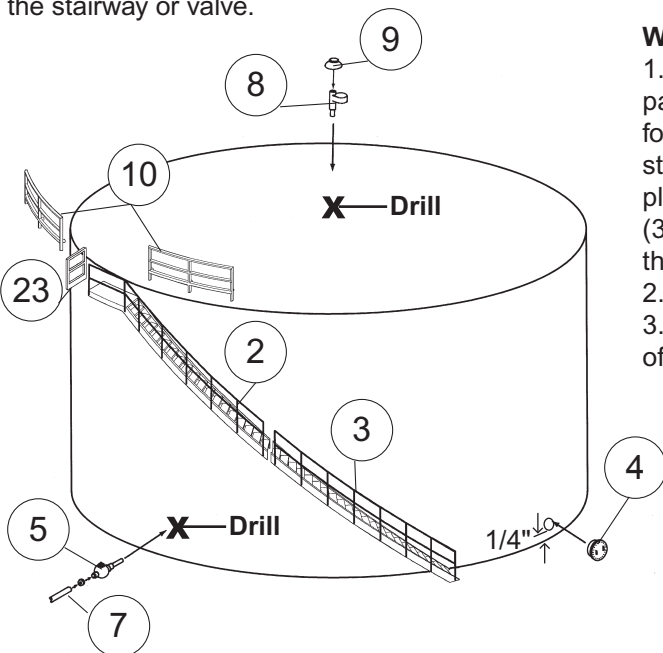
As one of the most visible symbols of the oil industry, your new model is perfect for a tank farm, transfer facility or refinery. Some large users of fuels such as airports, trucking companies and railroads have tanks of this type to supply their equipment and reduce costs. The kit is based on a prototype in the Jones Island industrial area of Milwaukee, WI, with a storage capacity of 500,000 gallons. Its welded steel plate construction is typical of tanks built from the 1940s on, making it ideal for transition-and modern-era layouts.

For more ideas to detail your scene, ask your dealer, visit our Web-site [waltherscornerstone.com](http://waltherscornerstone.com) or see the latest Walthers HO Scale Model Railroad Reference Book.

NOTE: Most of these steps apply to both the Tall and Wide Tank kits, with the only difference being the assembly of the stairways on the sides of the tanks. Stairway parts are included for both styles of tanks, so please read these instructions carefully and use the correct parts for your kit.

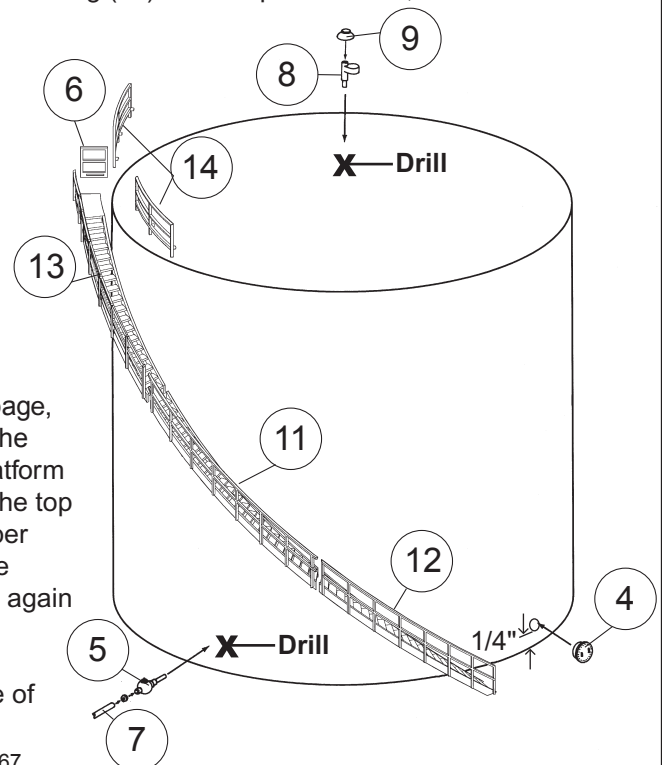
### FOR EITHER TANK

1. To install the valve on the side of the tank, drill a #55 hole, 1/4" from the bottom of the tank, along the lower edge in an area where it will not interfere with the stairway. Glue the valve (5) in the hole. If you wish to add a supply pipe (use parts from set #933-3114 sold separately) leading out from the valve, glue on the connector (7). NOTE: If you plan to mount the valve under the stairway, do not glue in place until after mounting the stairway, otherwise it will interfere with the stairway mounting template.
2. Glue vent parts (8,9) together. Drill a #48 hole in the top center of the tank and install the completed vent.
3. Glue the manway hatch (4) at any point on the bottom edge of the tank, 1/4" from the bottom, where it will not interfere with the stairway or valve.



### WIDE TANK (933-3167)

1. Using the template and following the instructions given on the next page, start by gluing the upper stairway (2) to the top of the tank following the line of the template. NOTE: When gluing the bottom of the stairway platform in place above the template line, the top of the platform will be below the top of the tank. Then glue the lower stairway (3) to the bottom of the upper stairway and tank side, again following the line of the template.
2. Glue the platform end railing (23) in place.
3. Glue the curved railing (10) to the top of the tank, one on either side of the platform.



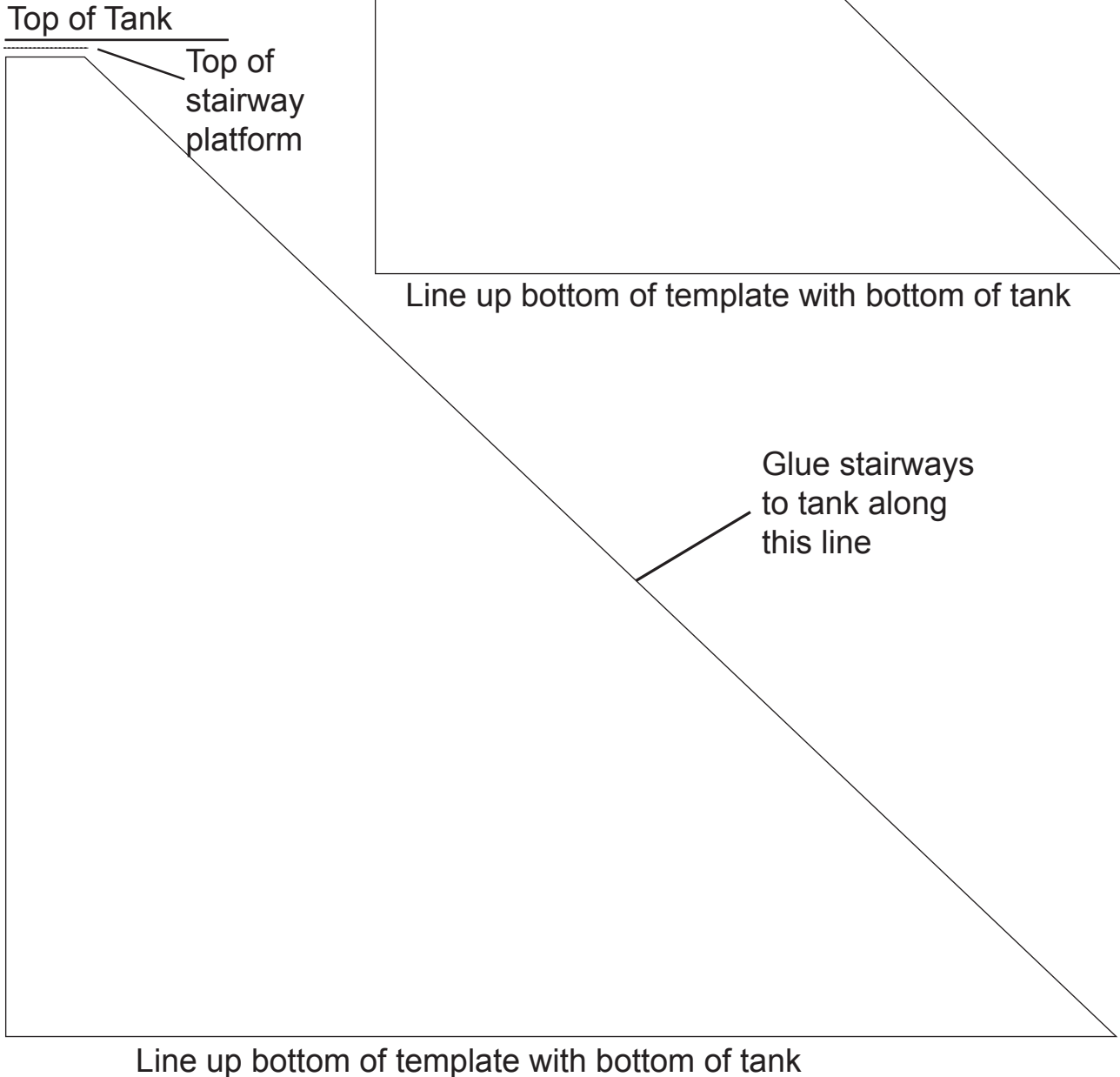
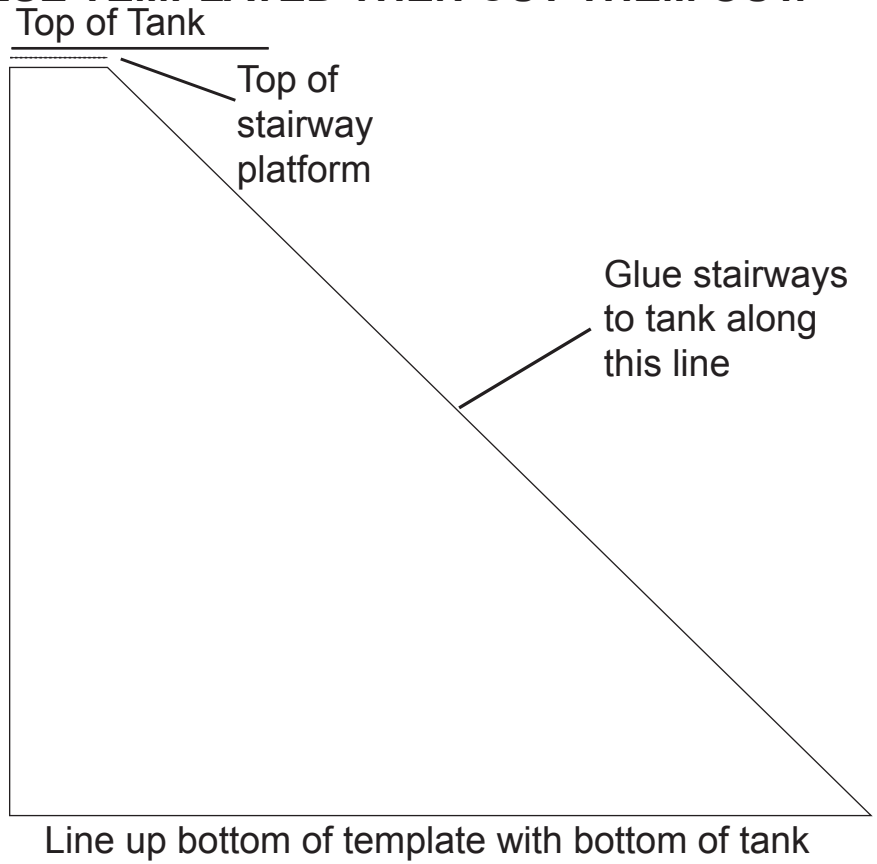
### TALL TANK (933-3168)

1. Using the template and following the instructions given on the next page, start by gluing the upper stairway (13) to the top of the tank following the line of the template. NOTE: When gluing the bottom of the stairway platform in place above the template line, the top of the platform will be below the top of the tank. Next glue the middle stairway (11) to the bottom of the upper stairway and tank side, following the line of the template. Then glue the lower stairway (12) to the bottom of the middle stairway and tank side, again following the template..
2. Glue the platform end railing (6) in place.
3. Glue the curved railing (14) to the top of the tank, one on either side of the platform.

**NOTE: PHOTOCOPY THESE TEMPLATED THEN CUT THEM OUT.**

## STAIRWAY MOUNTING TEMPLATES

Cut out the template for your tank along the lines. Tape to the side of tank as a guide to mounting stairways. With a pencil, trace along the diagonal line and top of the paper. Remove the paper and glue stairways along line.

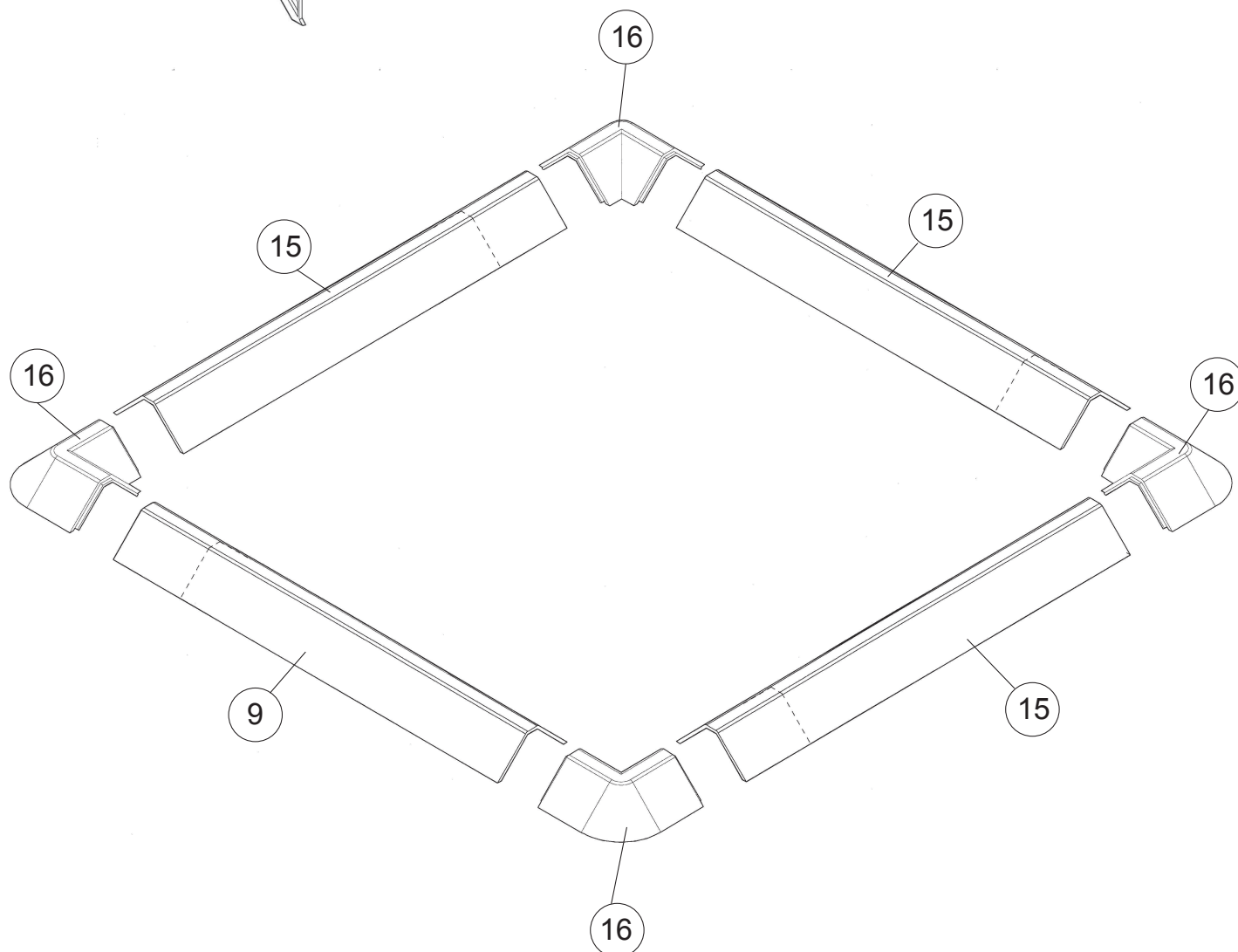
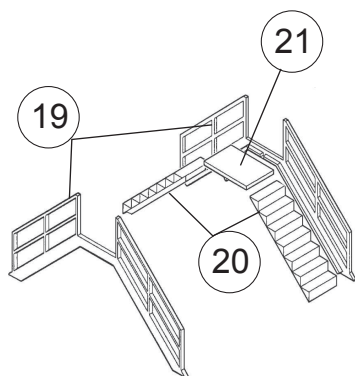
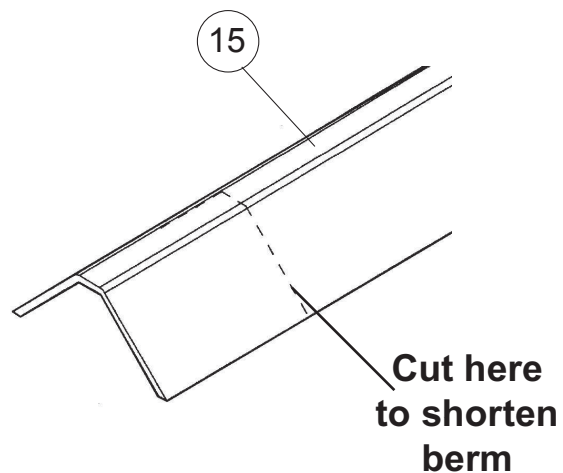


## DECALING

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®.

## BASIC BERM CONSTRUCTION

1. To model a single tank berm, glue four berm straights (15) to four berm corners (16) to form a square as shown. NOTE: If you wish to make a smaller berm for the Tall tank only, remove the end portions of each straight section by cutting through the molded-in groove.
2. Glue the stair platform (21) to one of the stairway sides (19). Then glue the stairs (20) to that same side, with the bottom of the stairs being flush with the bottom of the side. Next glue the other side (19) in place.
3. Place the completed stairway over the berm at a point where the berm is the lowest. You may position the stairway over any of the four berm straights as you desire.
4. To help hide the joints and make the completed berm more realistic, brush a thin layer of white glue over the entire surface, then cover it with very fine ballast to simulate the pea gravel used on the prototypes.



## BERM CONSTRUCTION OPTIONS

The spill containment berm parts are modular so you can easily build a larger scene by combining additional tank kits. Both "X" (18) and "T" (17) shaped ends are included so you can expand in any direction. If building smaller berms, you must cut off the ends of any additional straight berm sections as shown in step one of "Basic Berm Construction".

