

Materials Needed: Ladder, Tape Measure, Framing Square, Utility Knife or Heavy Duty Scissors, Power Screw Driver/Drill, Hammer, Reciprocating Saw, Crosscut Saw or Compound Miter Saw (for cutting frame), Corrosion Resistant Drywall Screws, Polyurethane Construction Adhesive (PL Premium recommended), Pencil and/or Black Marker, Spackle or Caulk, Safety Glasses, Construction Hanging Wire (for suspended ceiling systems), 2x4 and/or 2x6 Framing (as needed to frame the rough opening and/or create framing for any installed lighting fixtures).

1 Create a Rough Opening Template

Use a large flattened section of the cardboard packaging shipped with the Dome. Lay the Dome on the packaging. Trace the outline. See Figure A. The Dome is manufactured with four alignment lines. Mark the locations of these four lines onto the cardboard template. See Figure B. Remove the Dome from the template. Next, mark inside the entire outline about 1 1/2". Then, transfer the alignment line markings to the inside line you just drew, marking in toward the center of the template, as shown in Figure C. Using a utility knife or heavy duty scissors, cut along the inside line to create the rough opening template. Make sure that the alignment marks are still visible on the inside piece that you cut out, as shown in Figure D.



Figure A



Figure B

2 Mark Dome Location and Alignment on Ceiling

Mark the desired center point location on the ceiling. Next draw a straight line out from the center point, in both directions, as shown in Figure E. Note: For a circular Dome, the straight line should be parallel to one of the walls in the room. For an oval Dome, the straight line should be oriented in the direction (lengthwise) that you want for the Dome (usually this is also parallel to one wall). Using a framing square, draw another line at a 90 degree angle to the first, through the center point and the orientation line you drew, above. When you have finished drawing these two lines, the ceiling should be marked as shown in Figure F.



Figure C



Figure D

3 Place Template on Ceiling

Align the cardboard template on the ceiling. If installing an oval Dome, be sure to line up the template in the right direction. Screw the template into the ceiling, using drywall screws, as shown in Figure G.



Figure E

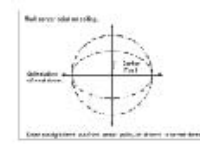


Figure F

4 Preparing the Rough Opening

For Frame and Wallboard Construction: Cut through the wallboard along the outside edge of the template. Remove the wallboard and any joists that are in the way of your installation. Add framing to support the existing framing and edges of the Dome, as shown in Figure H. If installing a light fixture with the Dome, add framing above the joists to support it, as shown in Figure I. For Suspended Ceilings: Remove acoustical tiles and cut any necessary metal framework along the template. After installation, you will need to trim the tiles to fit, so that they are supported by the edge of the Dome.



Figure G



Figure H

5 Prepare the Dome for Installation (When used with lighting, or with suspended ceiling systems only - for all other installations, proceed to Step 6).

To locate the center point of the Dome, use the side alignment marks. String, tape or lines drawn across the back of the Dome, using the alignment marks, will cross at the center point. At the center point, drill or cut the proper size hole in the Dome for any light fixture you will install. If using a jig saw or saber saw to cut the hole, drill a pilot hole and cut from the back to avoid chipping the edge of the hole. If installing into a suspended ceiling system, thread construction wire through the metal hanging straps on the back of the Dome. You will use these to suspend the Dome from the hangers used for the suspended ceiling system.



Figure I



Figure J

6 Install Dome

Frame and Wallboard Construction: Apply an even bead of polyurethane construction adhesive on the inside of the Dome rim, as shown in Figure J. Raise the Dome into position, and secure into the rough opening framing, driving noncorrosive fasteners (drywall screws) up through the rim, through the ceiling and into the framing. See Figure K. Slightly countersink fasteners, so that you can cover the heads with spackle for a finished appearance. Suspended Ceiling Construction: Raise the Dome into position. Tie construction wires directly into the suspended ceiling hanger system to suspend the Dome (see Figure L). If installing a light fixture, you must support the fixture with additional framing that is properly attached to the ceiling or suspended ceiling support system (do not support the fixture by attaching it to the Dome).



Figure K



Figure L

7 Touch Up and Painting

Fill nail heads and any other minor imperfections with spackle (interior applications) or an exterior grade wood filler (exterior applications), as shown in Figure M. After the filler has dried, sand any minor surface imperfections. Caulk or spackle where the Dome meets the ceiling, and finish with any quality latex or oil-base paint for a professional appearance (see Figure N).



Figure M



Figure N