

# ONE PIECE FIBERGLASS DOME INSTALLATION INSTRUCTIONS

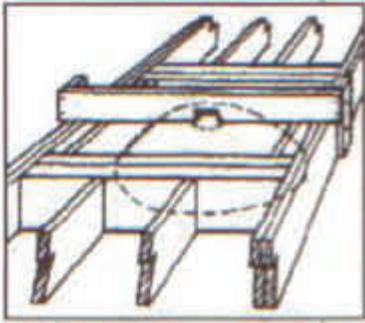


Figure 1

1) Frame ceiling to accept diameter of a particular sized dome. This requires building a square frame for the 3', 4' and 5' diameter domes. For the 6' and 7' domes, additional corner framing is needed (Build an octagon). A circular frame can also be built.

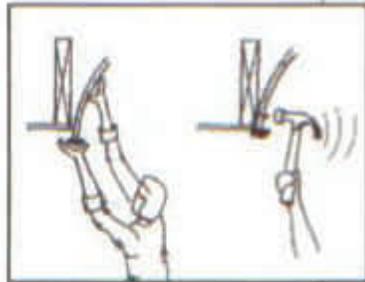


Figure 2

The framing measurements for each size are as follows:  
3' domes = 3'-1 1/2", 4' domes = 4'-1 1/2", 5' domes = 5'-1 1/2"  
6' domes = 6'-1 1/2", 7' domes = 7'-1 1/2"

2) Each dome is built with a flange around the perimeter. Pre-drill holes through the flange and attach the dome to the framing using screws and construction adhesive (PL Premium). The bottom of the flange needs to be installed to fit flush next to the sheetrock. (If the light shelf is not used, the dome flange may need to be shimmed to meet the thickness of the sheetrock.\* **DO NOT INSTALL THE FLANGE ON TOP OF THE SHEETROCK.**

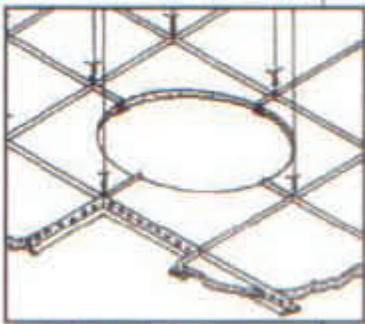


Figure 3

3) One of the dome options is the fiberglass light shelf. This is a circular fiberglass shelf that surrounds the perimeter of the dome so you can install indirect lighting to illuminate the dome. The light shelf has the same diameter flange that the dome has and is installed by predrilling holes through the light shelf flange and dome flange and installing the two flanges together with construction adhesive and screwing them to the framing. Finish the ceiling by installing the sheetrock to fit flush with the fiberglass flange(s). The best way to hide the space between the edge of the dome flange and the sheetrock is to install a decorative trim ring.

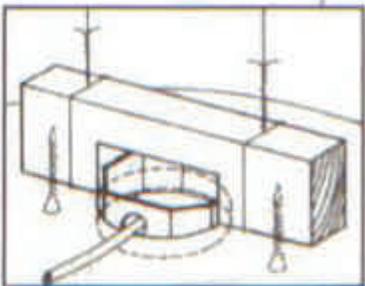


Figure 4

4) The second dome option is a trim ring to finish off the edge of the dome. The trim rings have one style available in one piece fiberglass and the other styles are available in a two piece flexible resin. The trim ring is installed using construction adhesive and screws after the dome is installed and the sheetrock is flush with the edge of the flange(s).

## PAINTING:

The domes need to be primed and painted on site. This can be done before or after the dome is installed. We recommend lightly scuffing the dome surface with 150 grit sand paper to make the surface more porous. Wipe any dust or debris from the surface and let dry. Paint with a high quality primer and paint.

## LIGHTING PREPARATION:

If installing a light fixture, drill through the top of the dome with a hole saw. **THE DOME IS DECORATIVE ONLY, THEY ARE NOT STRUCTURAL. ALL FIXTURES MUST BE SUPPORTED ABOVE THE DOME BY SOME STRUCTURAL MEANS OTHER THAN THE DOME ITSELF.**

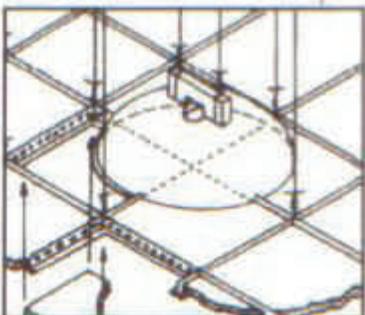


Figure 5

When using the light shelf, Drill a small hole at the bottom of the dome edge using a hole saw in order to run the wiring through the dome. All lighting applications and installations must be performed by a licensed electrician.