

# Ceiling Domes

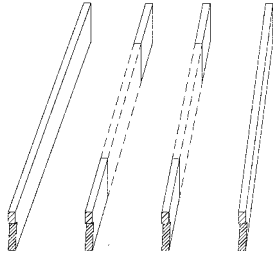
## Step 1: Preparing the Ceiling

Dome with rim: Invert dome and trace on ceiling. Measure in 2" from traced circle and draw cut line.  
Dome without rim: Invert dome, trace on ceiling.

## Step 2: Cutting Rough Opening

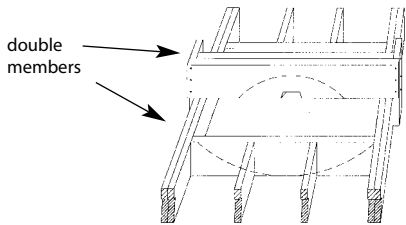
### Frame and Wallboard Construction

Cut through wallboard and remove necessary joists.



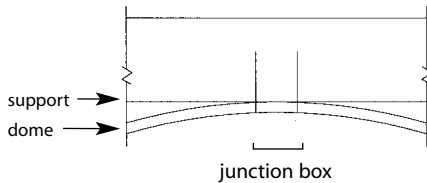
A

Add members as needed for support.  
Double members on each side.



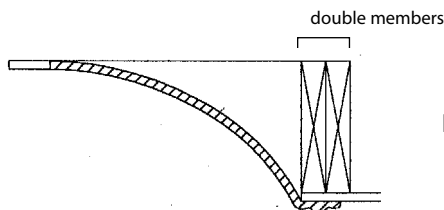
B

Over the top (to hold electrical box).



C

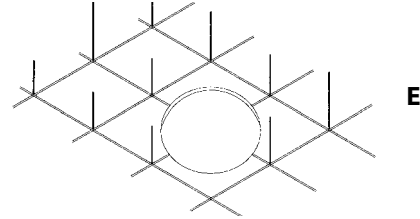
Perpendicular to ceiling joists for support.



D

## Lay-in or Suspended Ceiling Installation

Cut through acoustical tiles and metal framework using a hacksaw. After installation, the acoustical tiles will rest on the edge of the dome and the metal framework.



E

## Step 3: Installing the Dome

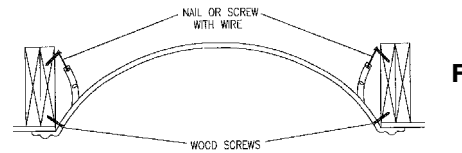
Sand dome surface. Drill hole for light fixture if necessary:

- hole 1/2" or smaller: metal cutting twist drill bit, cut from the front
- hole 1/2" - 2": metal cutting hole saw, cut from the front.
- holes larger than above: cut with a reciprocating saw (jig or sabre) from the back.  
Lighting fixtures are supported by the framing, not by the dome.

## Frame and Wallboard Construction

Thread wire through the metal straps on the back of the dome.

Attach wires tightly to the overhead joist using screws.  
Note: if you have to drill through the dome, refill holes with Bondo or fiberglass repair kit and sand.



F

## Lay-in or Suspended Ceiling Construction

Thread wire through the metal straps on the back of the dome. Attach dome wires to the suspended ceiling wires.

## Step 4: Finishing Touches

Sand surface of dome, use high quality paint. Caulk where dome meets the ceiling. For rimless domes, standard drywall finishing techniques apply.