DOME INSTALLATION

1. Preparing the Ceiling
   - Invert dome and trace on ceiling.
   - For **domes with rims**, measure and mark the distance from the edge of the domes rim to the beginning of the curve. This is the cut line.
   - For **rimless domes**, the tracing line is the cut line.

2. Cutting the Rough Opening
   - **Frame and Wallboard Construction**: Cut wallboard and remove necessary sections of joist. Add as needed for support (figures 1 & 2):
     1. **framing members**, 2. double members on each side and perpendicular to ceiling joist, 3. over the top to hold electrical box.
   - **Lay-in or Suspended Ceilings**: Cut acoustical tiles and metal framework. (figure 3). When in place, tiles will rest on the edge of the dome and framework.

3. Preparing the Dome
   - Lightly sand dome surface.
   - **Fiberglass domes**: drill hole for light fixture if needed:
     - holes less than 1/2” cut from front with metal cutting twist bit;
     - holes 1/2” to 2” cut from front with metal cutting hole saw;
     - holes 2” or more cut from back with reciprocating saw (jig or sabre)
   - **Polyurethane Domes** can be drilled from the front side.
   - **Frame and Wallboard Construction**:
     - **Fiberglass Domes**: Thread construction wire through metal straps on back of dome. Attach wires tightly to the overhead joist using screws (figure 4). *Note: If you choose to drill through the dome, refill holes with Bondo then sand, or use fiberglass repair kit.*
     - **Polyurethane Domes**: Insert screws through dome into wallboard or framing. Dome can be glued to ceiling using DegaBond 948 Adhesive #33333.
   - **Lay-in or Suspended Ceilings**:
     - **Fiberglass Domes**: Thread construction wire through straps; attach wires to suspended ceiling wires.
     - **Polyurethane Domes**: Use a wood block, into which the suspension wires are secured. Screw from the inside of the dome through the wood block that is positioned on the topside of the dome (figures 4 & 5). *Note: Light fixture is supported by the framing, not by the dome.*

4. Final Touch-Up
   - Sand surface of dome; paint with high quality paint. **Do Not** use lacquer paints.
   - Caulk where dome meets the ceiling.
   - If using Wesley Rimless dome, standard drywall techniques apply.

**Important Information**: See “Dome Size Guide” for specific size information.