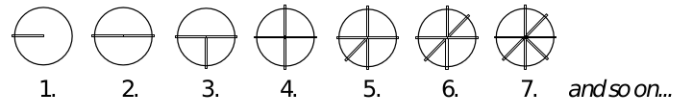


DOMES INSTALLATION INSTRUCTIONS

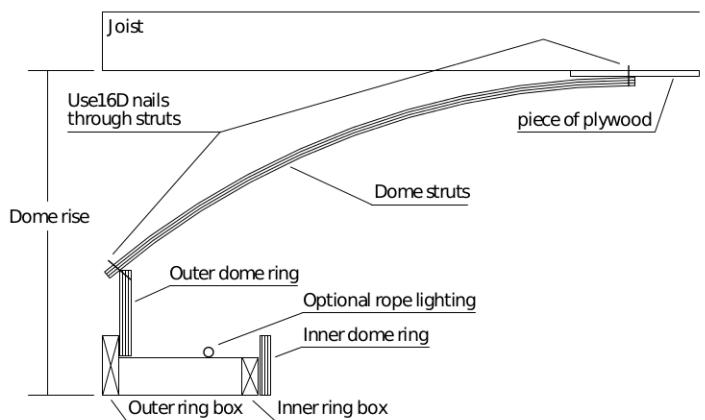
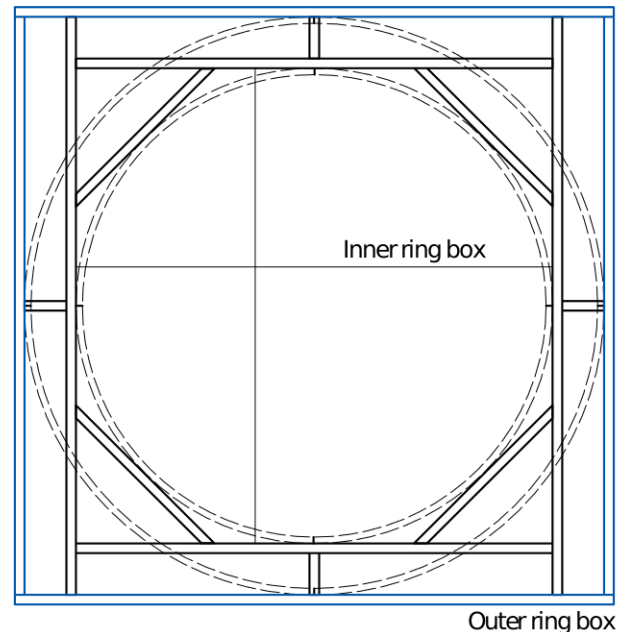
INSTALLING

1. Domes can be ordered with or without inner light rings. They can also be ordered with either ring planned to fit the primary framing box.
2. The outer ring will always carry the weight of the dome. The framing members that support this ring should be sized sufficiently to carry the weight of the dome.
3. First, cut each of the four segments of both the inner and outer rings to the 3rd dimension written on the inside of each segment (arch). This is the chord dimension, and the measurement should be made on the inside of the ring segments. The cuts should be made perpendicular to the circumference of the segments. Ideally, the dimensions of the framing box can be drawn on the sub-floor and the ring segments can be laid-out for fit and concentricity prior to installing them into the actual framing box. Sheetrock will cover any small gaps that might exist.
4. **If the framing box is designed for the inner ring**, it should be installed first (flush to the bottom of the box) using diagonal bracing for additional support. The height of the inner ring should be such that it will be 2" higher than the studs supporting it. (This provides sufficient room to lay rope lighting behind the lip.)
 - ▶ The outer ring should then be installed by laying it on the joist, with braces installed around the circumference to maintain appropriate spacing from the inner ring.
5. **If the framing box is designed for the outer ring**, a second box should be built inside it to support the inner ring. The inner ring should be installed in that box, again being sure that the height of the ring is at least 2" higher than the studs used to build the inner box. We recommend that diagonal braces be installed for additional support.
 - ▶ The outer ring should then be installed against the framing box and directly over the inner box. The studs of the inner box will provide additional support for the outer ring.
 - ▶ Fitting the first 4 struts into this box can be tricky. Go back to the drawing of the outer framing box you made on the floor and mark the height of your dome perpendicular to the centerpoint of one side of the box (this will represent the ceiling elevation of the dome). Make a square trim cut close to the end of 2 struts and butt them above your height mark. Lay the struts across the ends of each box side. Mark and miter cut each of those ends to fit flush to the sides of the framing box. Do the same with the next 2 struts but subtract 1 3/4" from each because they will butt the sides of the first 2 struts put in place.
6. Build a support joist at the specified dome height to bridge the centerpoint of the dome and secure a small (12" x 12") piece of plywood to the joist at the dome's centerpoint.

7. Install the dome struts equidistant around the outer ring and secure to the plywood at the top of the dome. Cut the struts at the top to nest as tightly as possible to the centerpoint. The other end can lap over the outer ring. The tops of the struts will have to be cut progressively more pie-shaped to nest.



8. **You should now be ready for drywall!**



If you have any questions please call
 (407) 516-2961