

Dome Installation

USING CONVENTIONAL FRAMING METHODS...

1. Frame a square rough opening (see figure 1) in the ceiling where the dome is to be placed.
2. Frame in the dome ring angle braces (see figure 1) to the corners of the square opening. (see figure 2)
3. Frame the dome rafter support joist that will span the centerpoint of the dome. The rafter support joist should be installed at the height of the specified dome rise, (see figure 1) which is measured from the top of the dome ring to the top of the dome rafters. Attach a small piece of plywood (approx. 12" X 12") to the joist at the centerpoint of the dome. This will provide added surface for nailing when securing the conjoining rafters. (see figure 2)
4. Install the dome ring segments into the square rough opening and secure to the angle braces. The bottom of the dome ring should sit even with the bottom of the rough opening. (see figure 3)
5. Install the dome rafters equidistant around the dome ring and secure to the plywood at the top of the dome. (see figure 3)

	D 40	D 50	D 60	D 70	D 80
SQUARE ROUGH OPENING	48"	60"	72"	84"	96"
DOME RING ANGLE BRACES (LONG POINT TO LONG POINT)	19 7/8"	24 7/8"	29 3/4"	34 3/4"	39 3/4"
DOME RISE (FROM TOP OF RING TO BOTTOM OF SUPPORT JOIST)	13"	16"	19"	22"	25"

figure 1

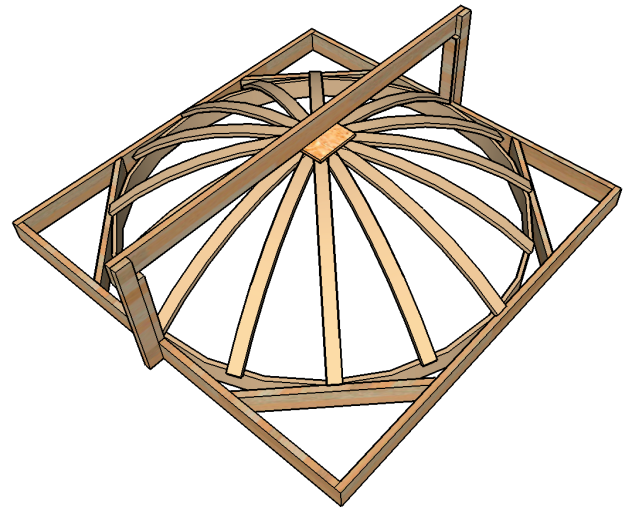


figure 2

Side View

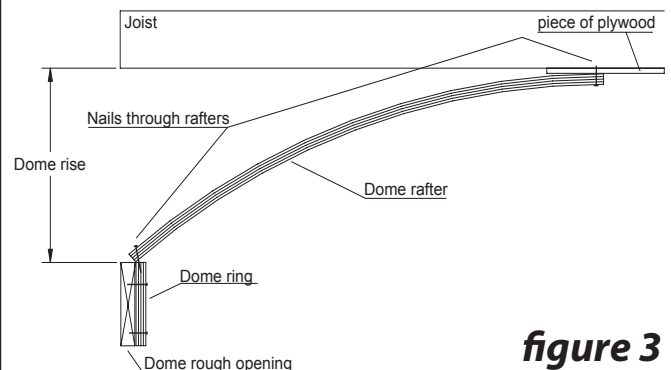


figure 3