

## Soft Rise Dome with Inner Light Ring

Included in your dome kit:

- a. Dome Outer Ring
- b. Dome Inner Light Ring
- c. Dome Rafters
- d. Square Wood Tie

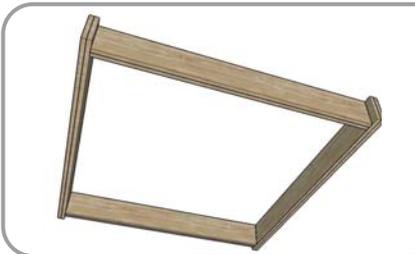
Tools needed:

- a. Nail Gun
- b. Circular Saw
- c. Tape Measure
- d. Square
- e. Level



### SPEC CHART

|  |                                |
|--|--------------------------------|
| Total Rise   | 34 <sup>3</sup> / <sub>4</sub> |
| Outer Box Distance for inside corner to long point of 45° angle blocks | 28 <sup>1</sup> / <sub>8</sub> |
| Outer Box Long Point of 45° angle blocks                               | 39 <sup>3</sup> / <sub>4</sub> |
| Inner Box Distance for inside corner to long point of 45° angle blocks | 25 <sup>5</sup> / <sub>8</sub> |
| Inner Box Long Point of 45° angle blocks                               | 34 <sup>3</sup> / <sub>4</sub> |



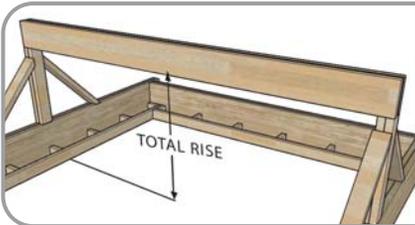
**1**

Using traditional framing construction to meet code requirements, frame a square box in your desired ceiling location. For example, an 8'-0" dome with a 7'-0" inner light ring has an 8'-0" outer square box rough opening.



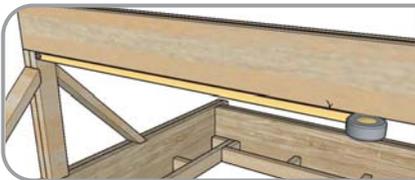
**2**

Using 2x4s, frame your inner square box centered and flush to the bottom within the outer square box. For example, an 8'-0" dome with a 7'-0" inner light ring has a 7'-0" 2x4 square box framed centered and flush to the bottom of the outer box.



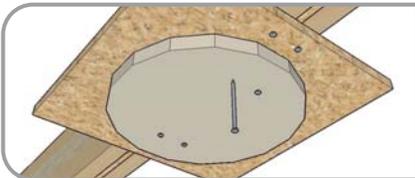
**3**

Frame a dome beam across the center of the dome. Depending on the light fixture you plan on hanging from the apex of the dome, the span of the dome, or purlin bracing, use the appropriate lumber. Set the dome beam to the appropriate height above your square box. Reference the "Spec Chart" to find your total rise.



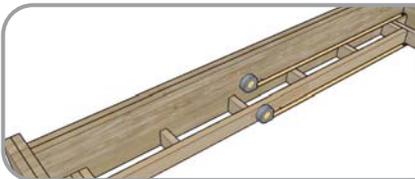
**4**

Measure and mark the center point on the side of the dome beam.



**5**

Secure the square wood tie to the center of the dome beam.

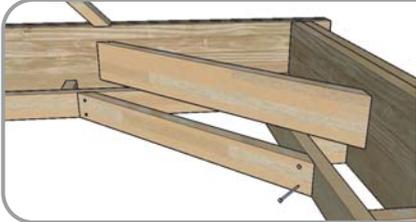


**6**

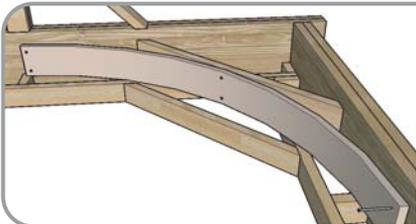
Measure and mark the center lines of the outer and inner square boxes on all four sides.

**7**

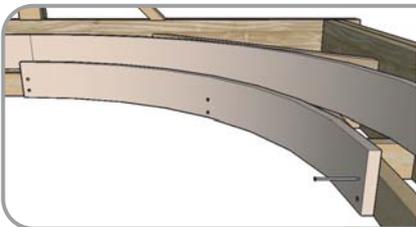
Measure and mark the angle block placement as shown for the inner and outer boxes. Reference the "Spec Chart" to find your inside corner to long point of the 45° angle blocks. Referencing the "Spec Chart" cut the 2x6 angle blocks for the outer ring and 2x4 angle blocks for the inner light ring.

**8**

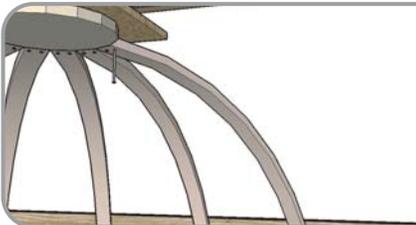
Nail your 2x6 angle blocks in each corner of your outer box flush to the top of the 2x4 inner box. Nail your 2x4 angle blocks in each corner of your inner box.

**9**

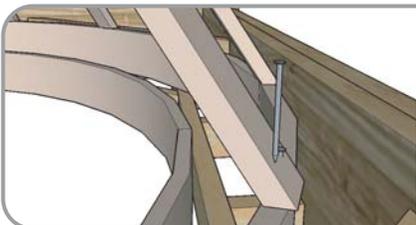
Align and nail each outer ring piece, which makes up a quarter section of the ring (4 pieces total), within the outer box and to the center lines as shown.

**10**

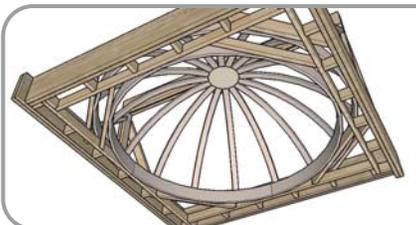
Align and nail each inner light ring piece, which makes up a quarter section of the ring (4 pieces total), within the inner box and to the center lines as shown. The inner light ring is 2" taller than the inner 2x4 box to create the lip for the light tray.

**11**

Align each dome rafter to the square wood tie. Nail each dome rafter to the square wood tie while resting the beveled end on top of the dome ring.

**12**

Toe-nail (8d) each dome rafter into the dome ring as shown. Space the dome rafters equally around the outer ring.

**13**

You are now ready for electric and drywall!

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