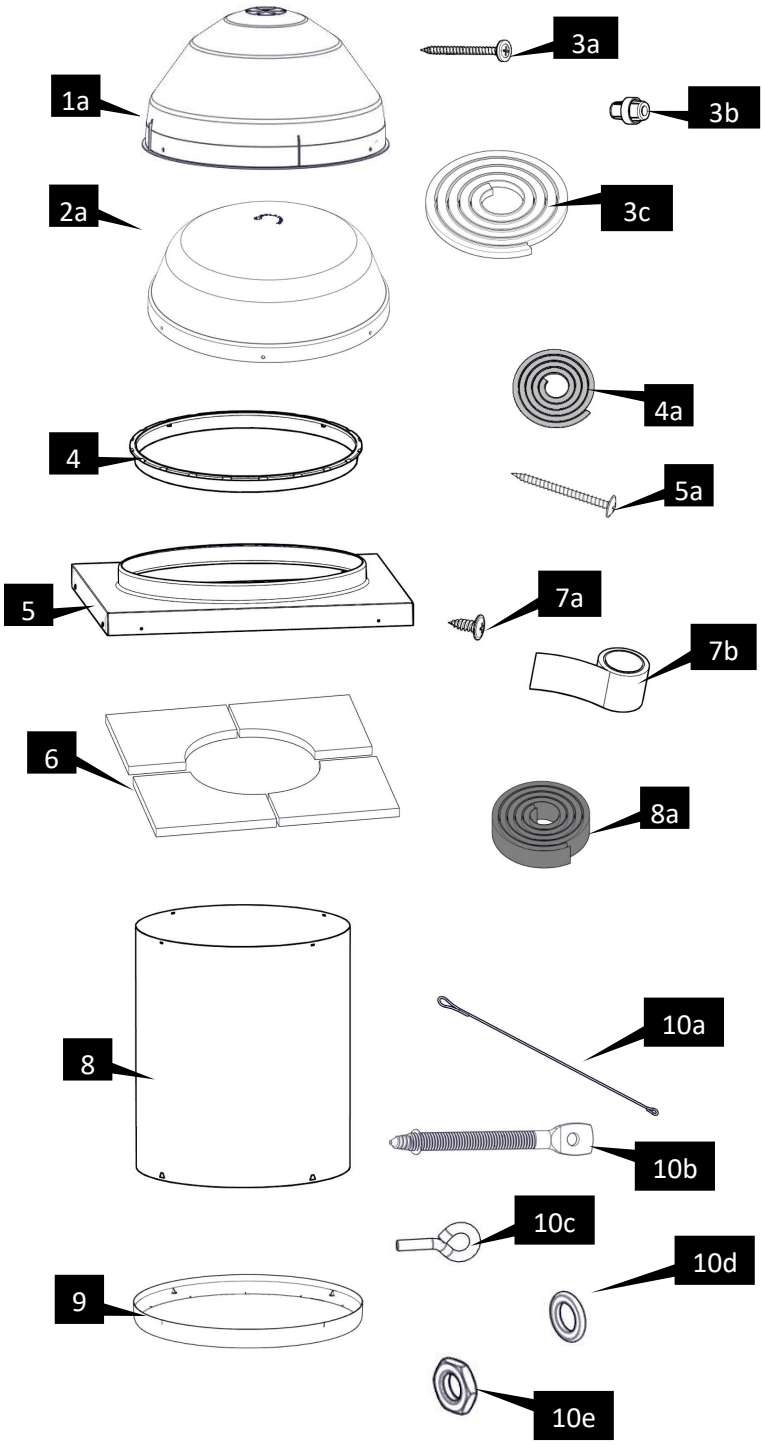
Solatube® SolaMaster® Series

Solatube® 750 DS Daylighting System
FEMA Safe Room & Storm Shelter Applications
Installation Instructions

Open Ceiling



Parts List *		Quantity
1	750 DS Dome with Raybender® 3000 Technology	(1)
2	Inner Dome for 750 DS (Polycarbonate) *†	(1)
3	Dome Fasteners	
	a. Dome Screw #8 X 1 5/8 in (40 mm)	(4)
	b. Dome Spacer	(3)
	c. Dome Seal	(1)
4	Tube Ring	(1)
	a. Tube Ring Seal (Required for all Open Ceiling Units)	(1)
5	Curb Cap Roof Flashing *†	(1)
	a. Flashing Screws - #10 X 2 in (50 mm)	(21)
6	Curb Cap Insulation *†	(1)
7	Tube Fastener Kit	(1)
	a. Tube Screws - #8 X 9/16 in (14 mm)	(5)
	b. 2 in (50 mm) Foil Tape - 18 ft (5.5 m)	(1)
8	Spectralight® Infinity Tubes	
	a. 24 in (610 mm) Extension Tube with Tube Fastener Kit	(1)
	b. 48 in (1220 mm) Extension Tube with Tube Fastener Kit	(1)
9	Diffuser for Open Ceiling (Polycarbonate)*†	(1)
	a. Diffuser Seal	(1)
10	Suspension Wire Kit *†	
	A. Wire 12 Gauge 25 ft. (7.5 m)	(2)
	B. Screw Hanger 3 in (76 mm)	(4)
	C. Eye Bolt	(4)
	D. Washer	(8)
	E. Nut	(4)

*Components shown not included in all kits, see label on box.

*†Required for FEMA applications.

Required Tools:

Saber or Reciprocating Saw	Utility Knife
Flat Bar	Caulking Gun
Tape Measure	Lumber Crayon
Screw Gun with Phillips Head	Metal Shears
Magnetic Compass	Required Safety Equipment
Hammer	Drill Bit #40 (3/32 in/2.5 mm)
Tin Snips	Drill Bit 1/8 in. (3 mm)

For the most current Installation Instructions, please visit www.solatube.com/instructions

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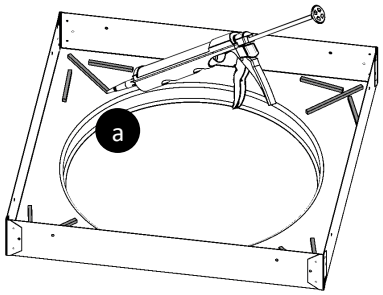
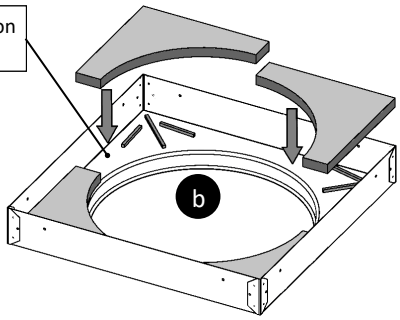
Part No. 952180 v1.0

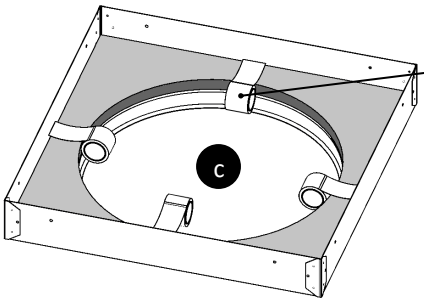
Installation Instructions: The following components are required for installations in all FEMA Shelter applications: 750 DS Polycarbonate Inner Dome, Curb Cap Insulation, Polycarbonate Prismatic Diffuser, and wire Suspension Kit.

1 Install Curb Cap Insulation to Underside of Curb Cap

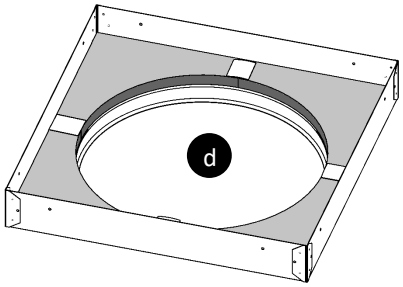


Apply matte side of insulation to Curb Cap surface.

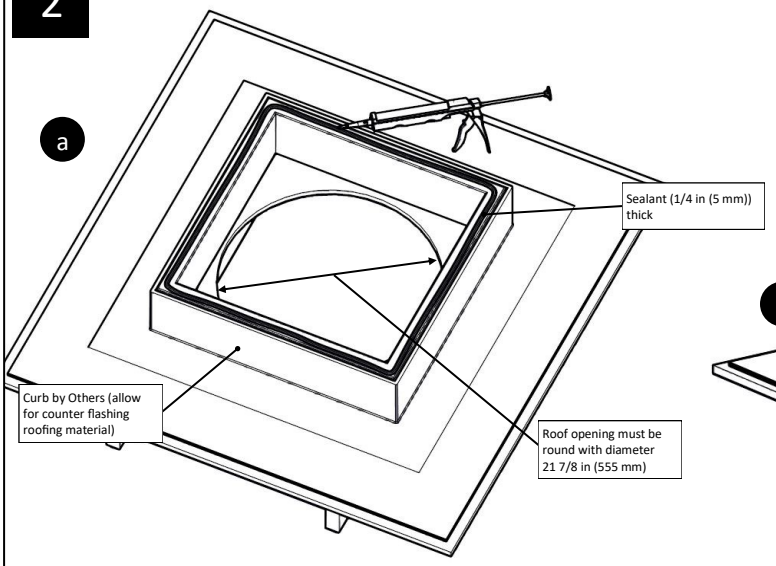


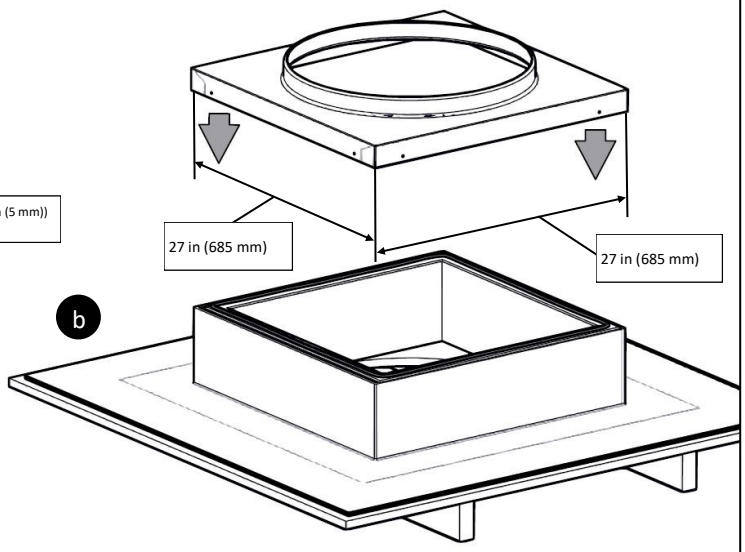


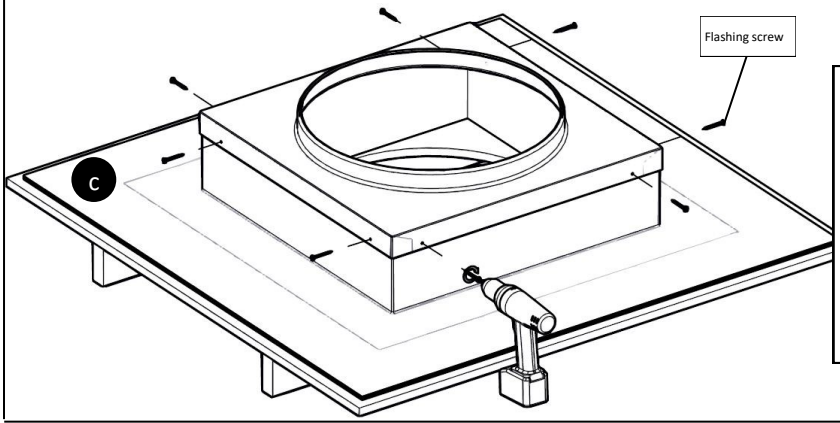
Apply foil tape to seams

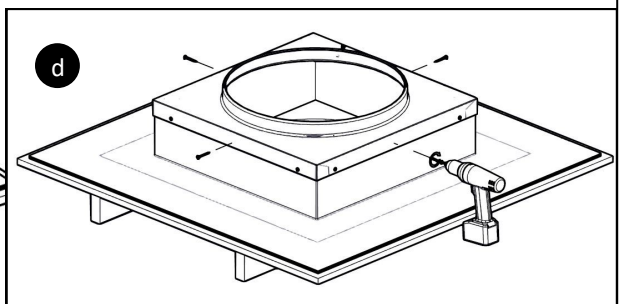


2 Install Curb Cap









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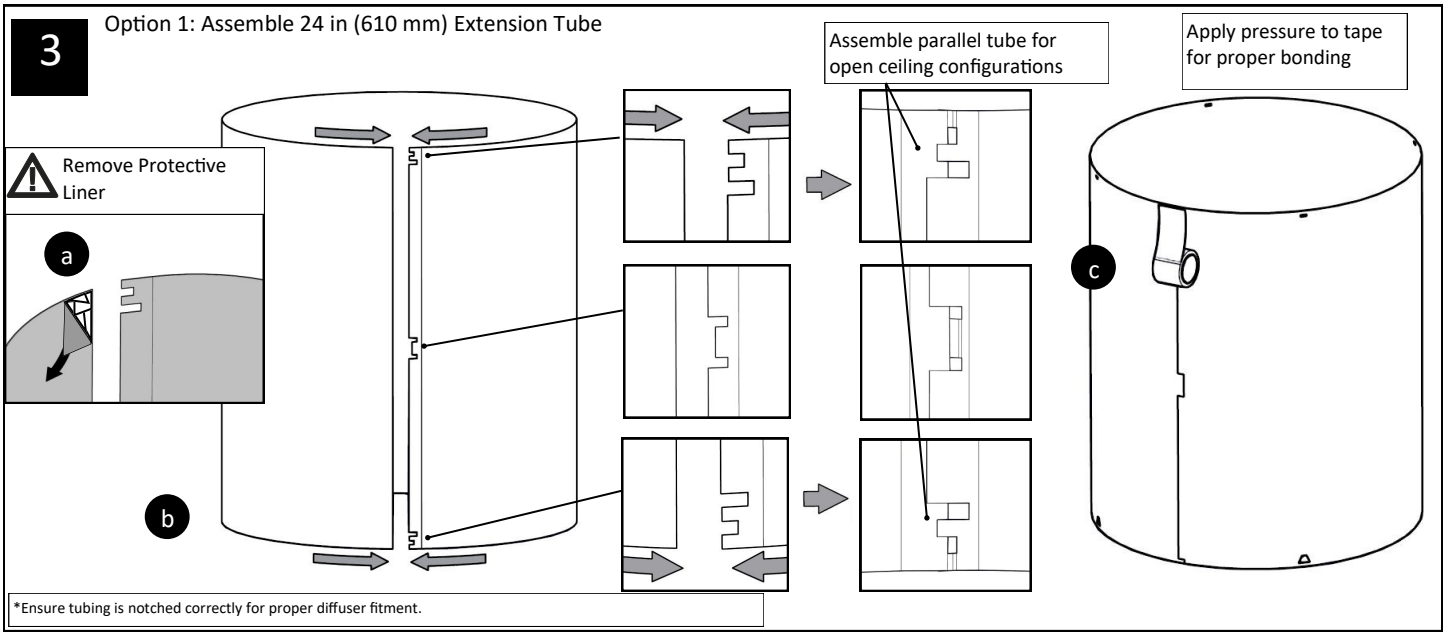
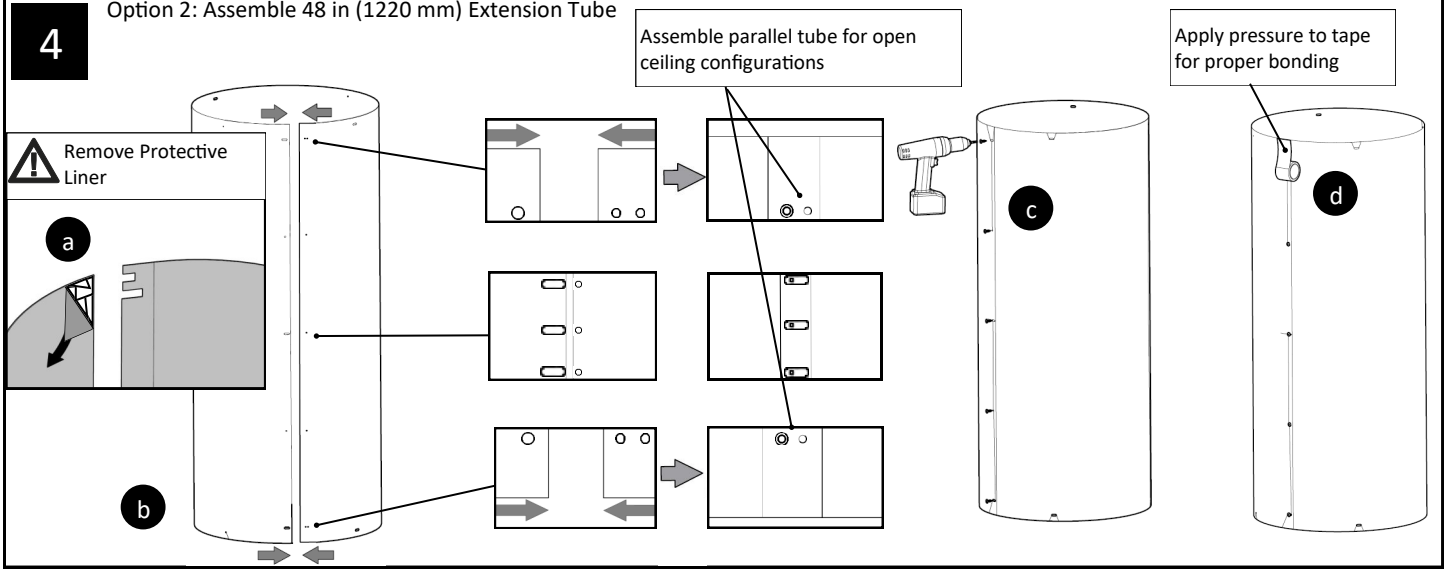
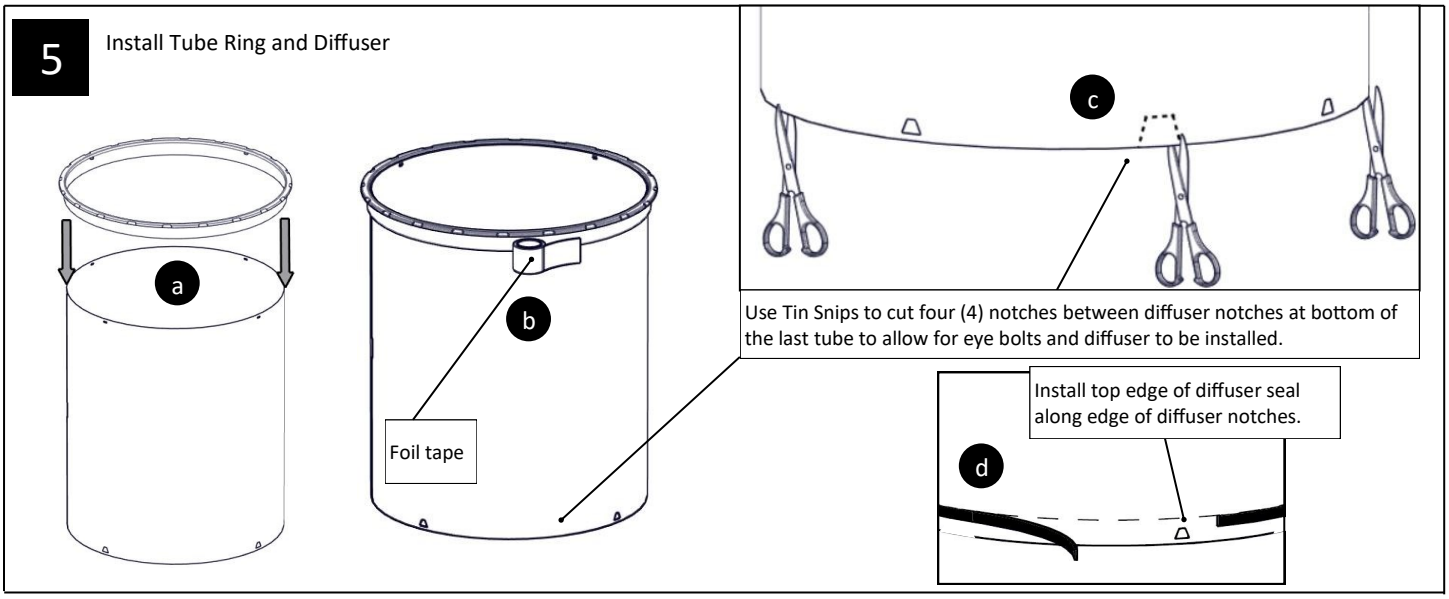
3 Option 1: Assemble 24 in (610 mm) Extension Tube



4 Option 2: Assemble 48 in (1220 mm) Extension Tube



5 Install Tube Ring and Diffuser



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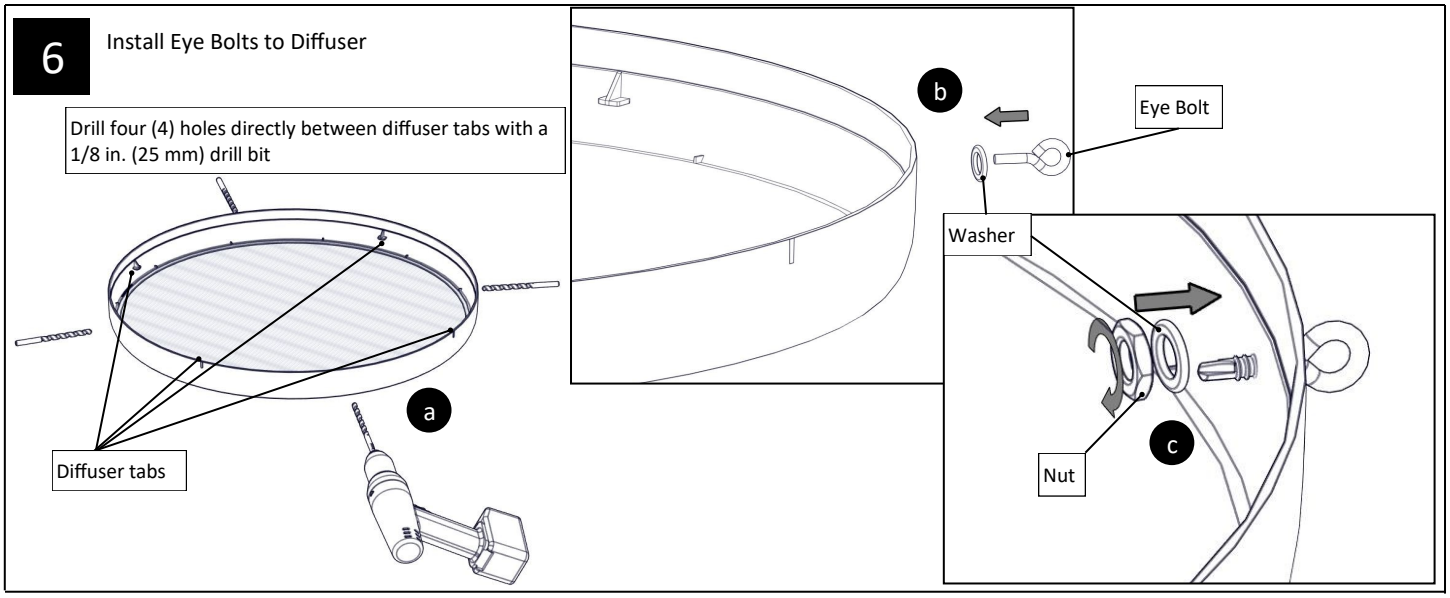
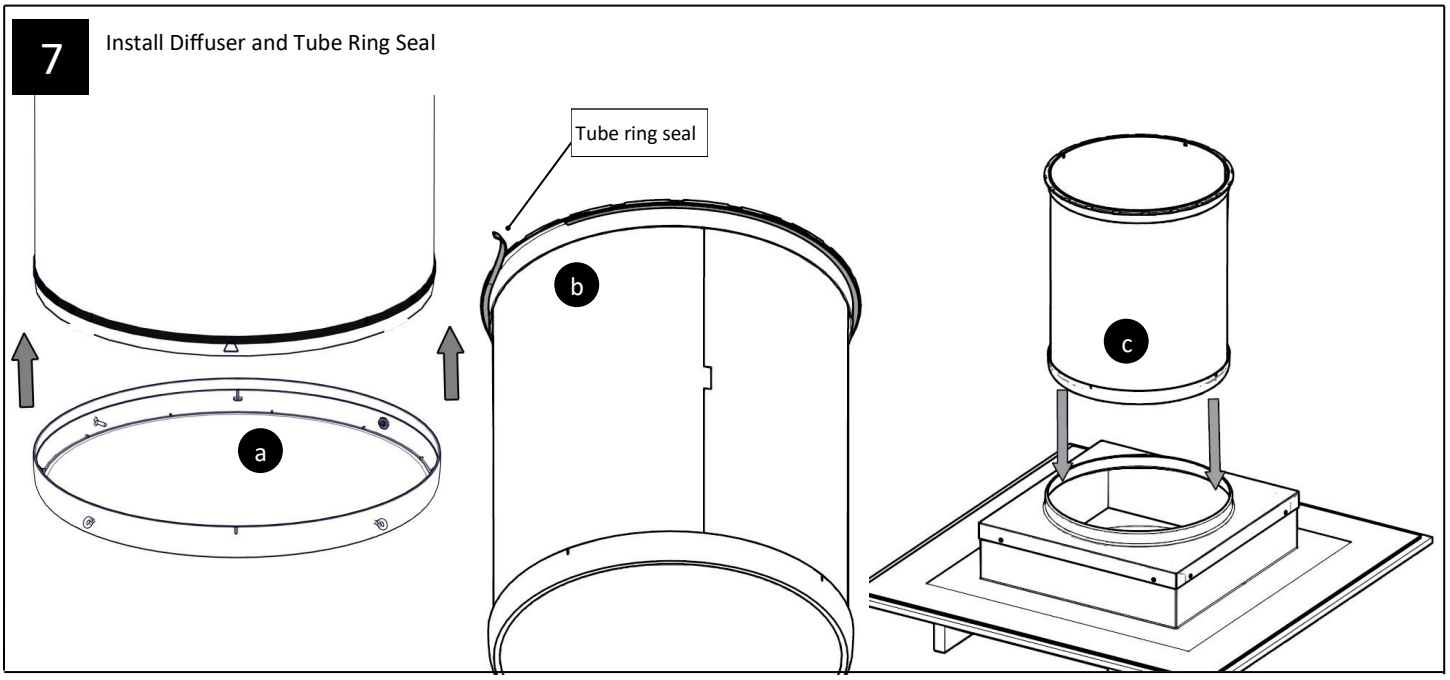
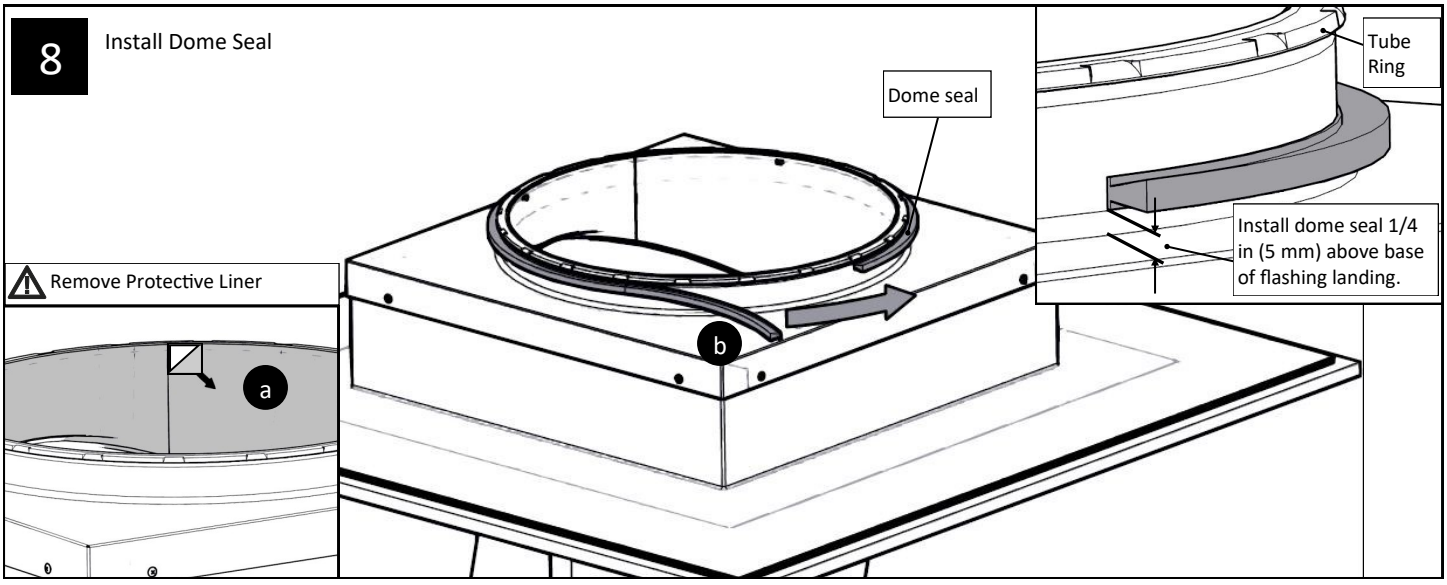
6 Install Eye Bolts to Diffuser



7 Install Diffuser and Tube Ring Seal



8 Install Dome Seal



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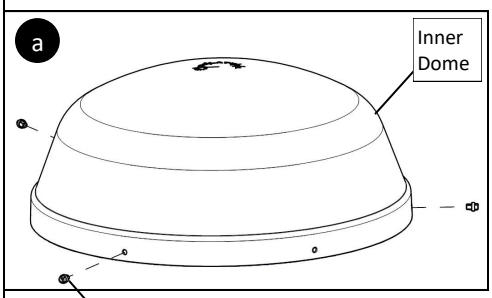
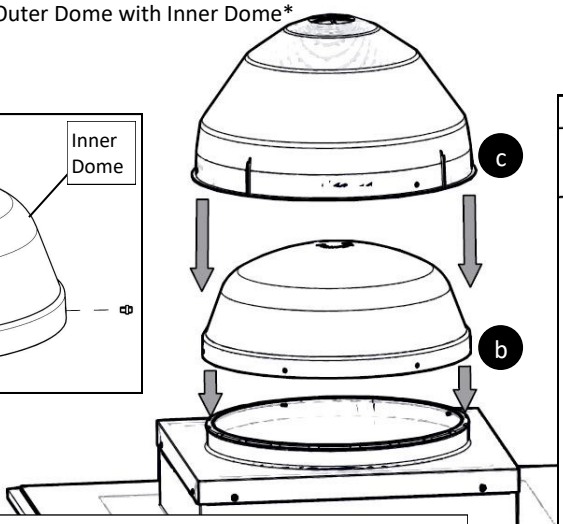
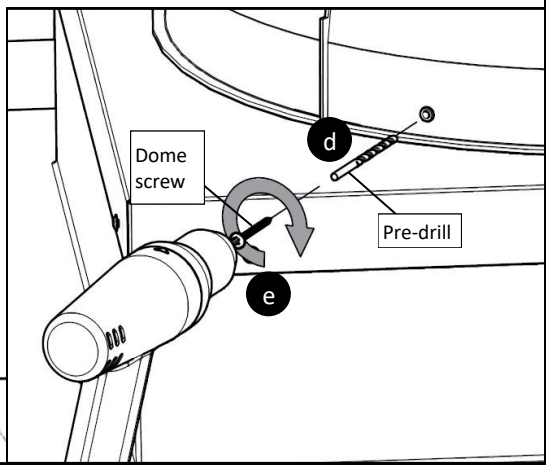
9 Option 3: Install 750 DS Outer Dome with Inner Dome*



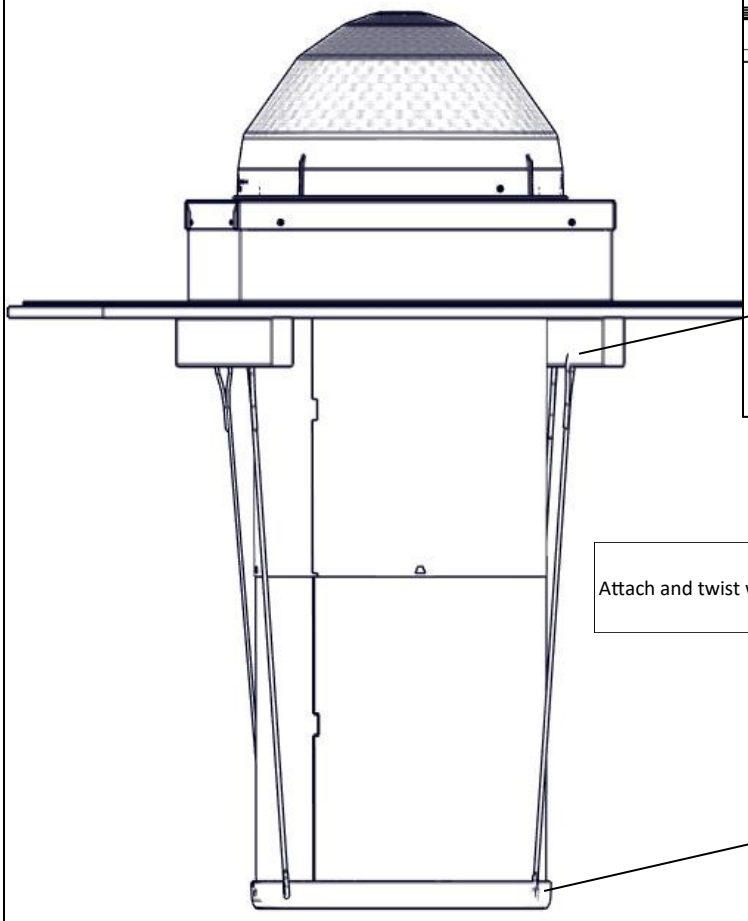
Insert Dome spacer long end first leaving every other hole open.

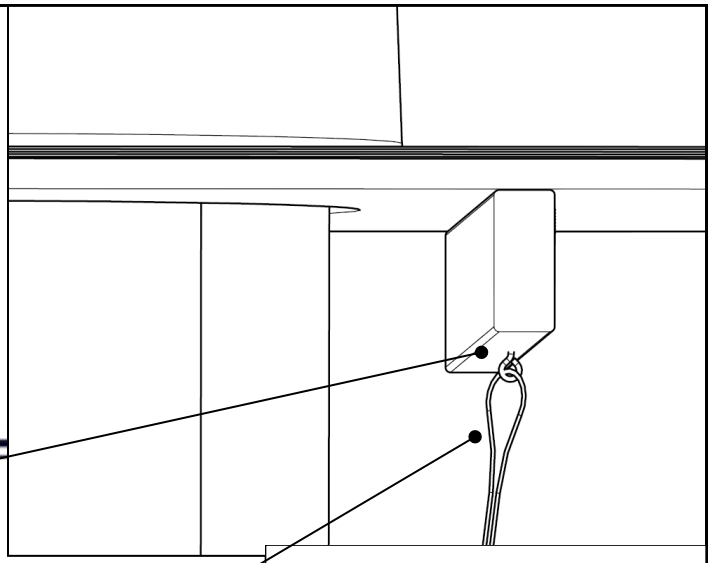




*Polycarbonate inner dome required for all FEMA applications; dip screw threads in sealant.

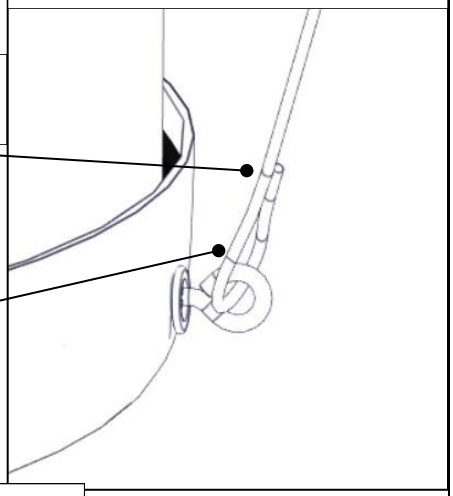
10 Attach Anchor Bolts and Install Suspension Wire





Attach anchor bolts to roof framing member and attach wire

Attach and twist wire a minimum of 3 times



NOTE: It is critical to leave 1 in. (25 mm) of slack in suspension wire for all FEMA applications.

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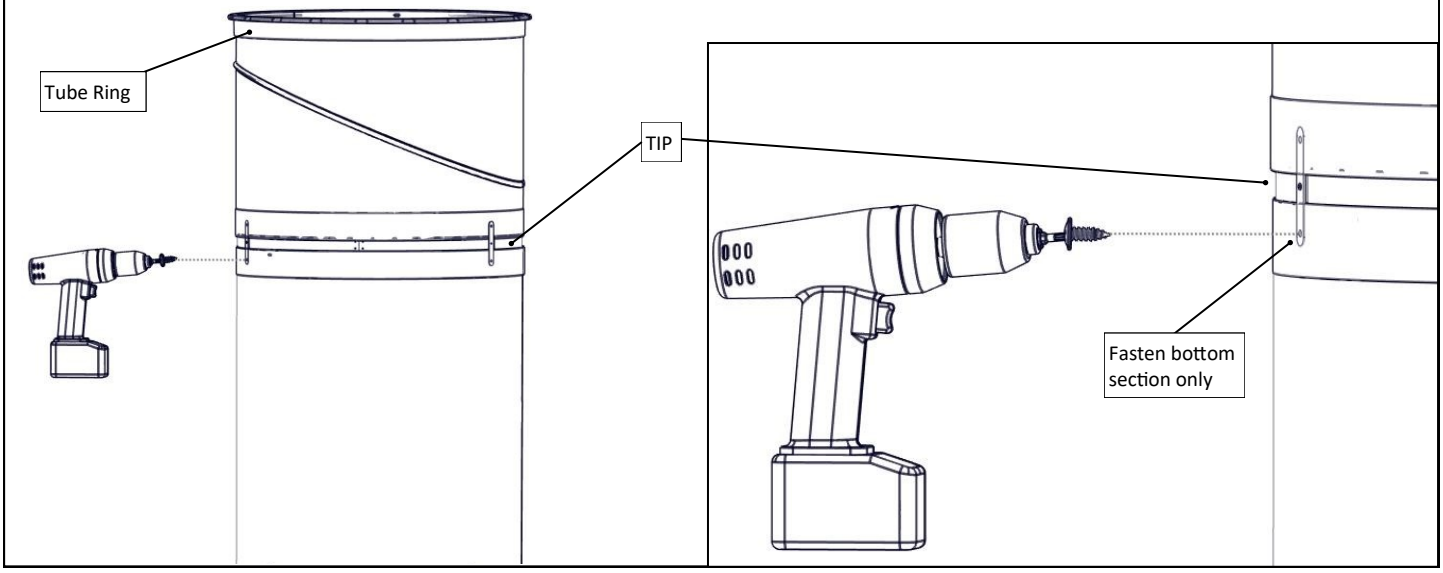
Accessories

Installation Instructions Appendix

The following instructions only provide critical steps for the Solatube Thermal Insulation Panel and Daylight Dimmer for all FEMA applications. For complete instructions, please visit our Technical Resources page at www.solatube.com/instructions.

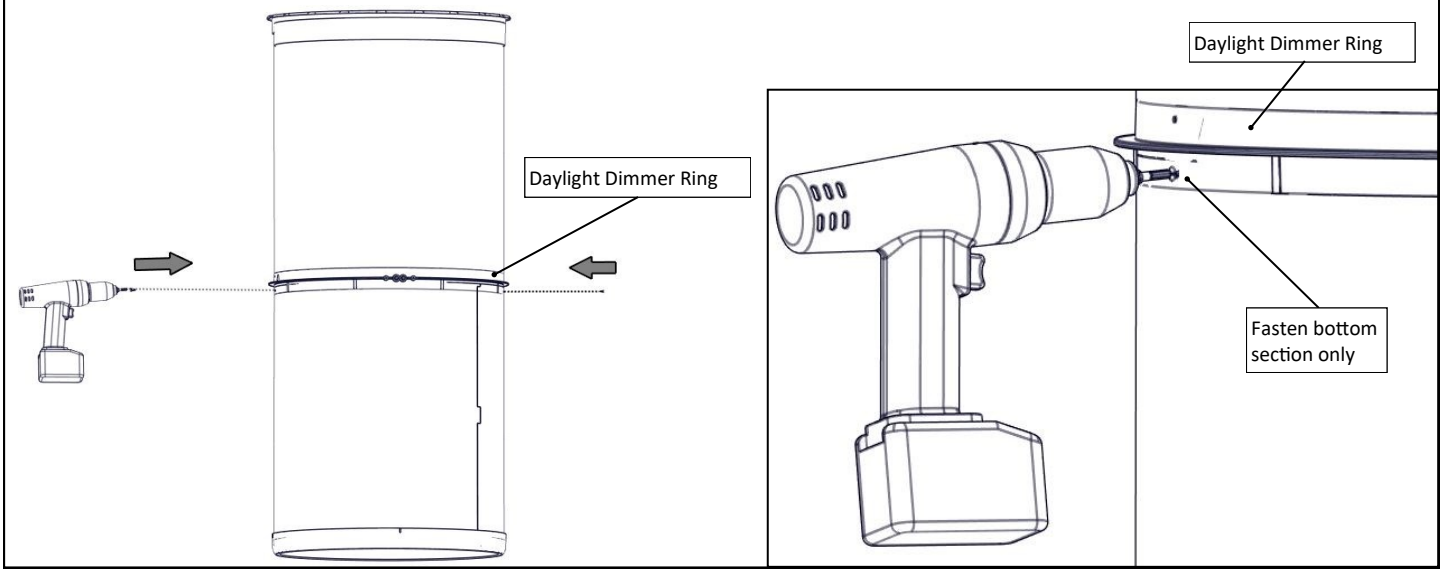
1 Thermal Insulation Panel (TIP)

For FEMA applications, Do Not fasten top section of clip with provided screws. Only fasten top section of TIP with foil tape.



2 Daylight Dimmer

For FEMA applications, Do Not fasten top section Daylight Dimmer with provided screws. Only fasten top section of the Daylight Dimmer with foil tape.



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