

7m Hybrid
Panorama
Window
Retrofit
Installation
Instructions



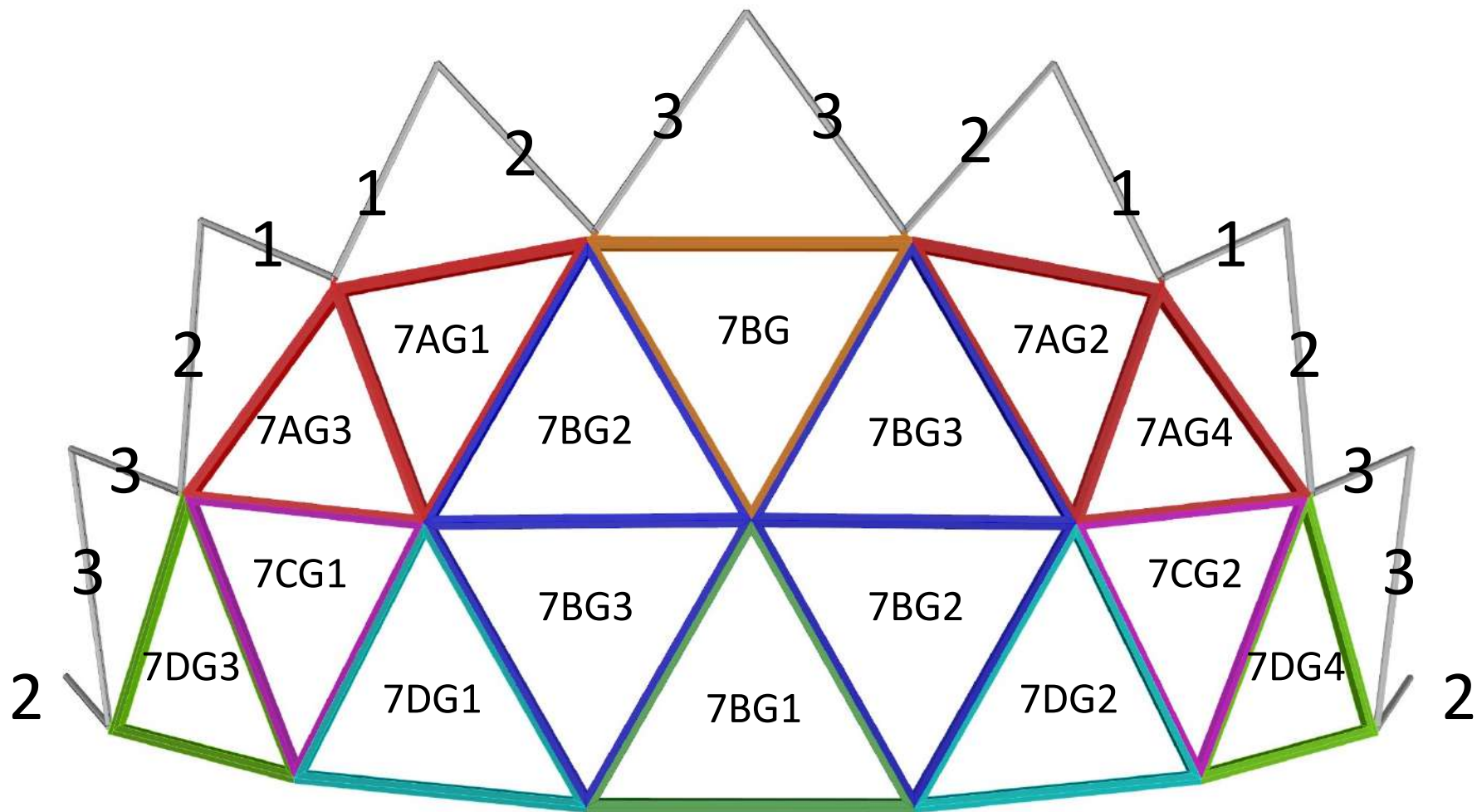
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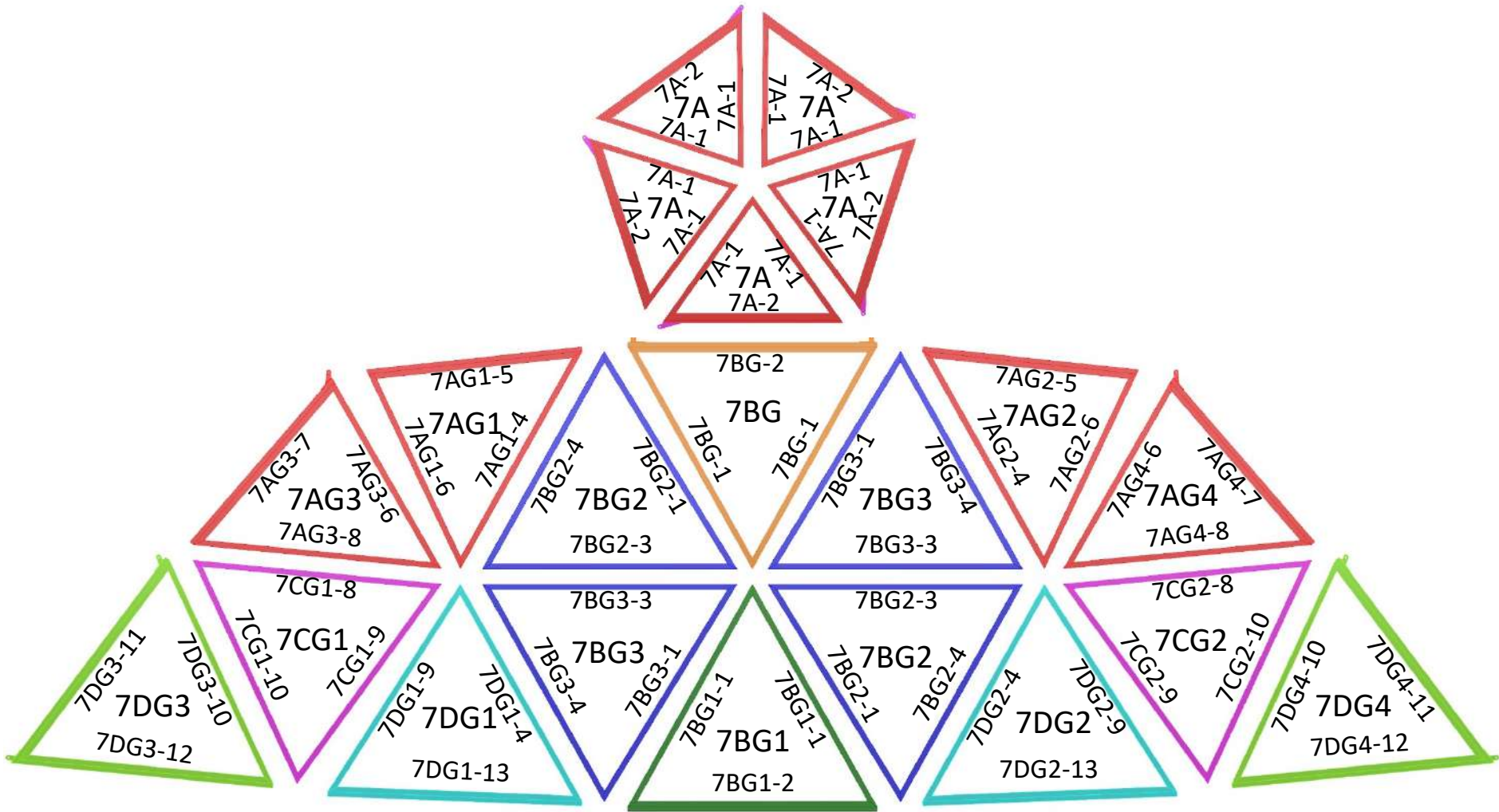
Tool List

1. Rolling scaffolding or scissor jack
2. Several exacto blades or utility knives
3. Rubber hammers
4. About 1 meter long wood pieces - 10 pcs (used for short-term support after the bottom layer of glass is installed)
5. M17 Socket wrench (2 included)
6. M19 External hexagon wrench (1 included)
7. A weather-resistant glue gun (1 included)
8. Glass suction cup handles
9. Glass scrapers
10. Impact Driver (with 17mm socket if possible)
11. Safety helmet, safety rope, gloves

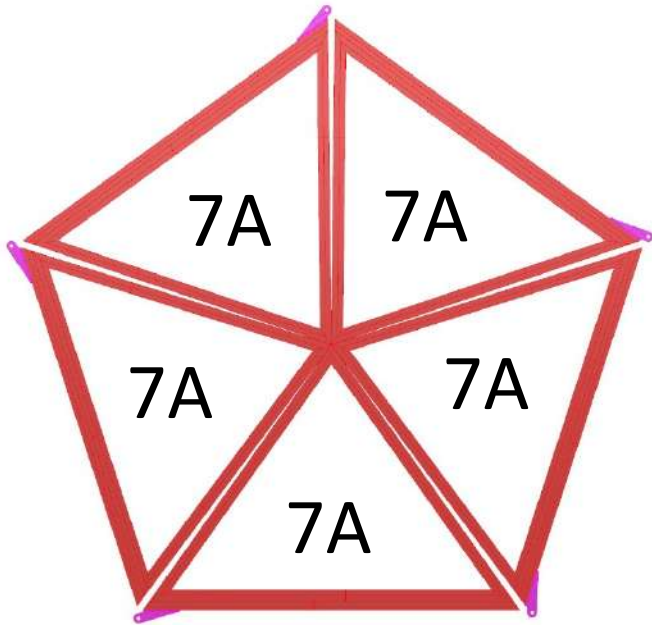
Installation steps - Retrofit

1. Assemble the individual frame shapes of the glass window on the ground
2. Remove the round tubing in the window area
3. Install the aluminum frame in place
4. Install the glass
5. Seal the pvc cover around the skylight and panorama window with the aluminum trim
6. Seal the joints with Caulking

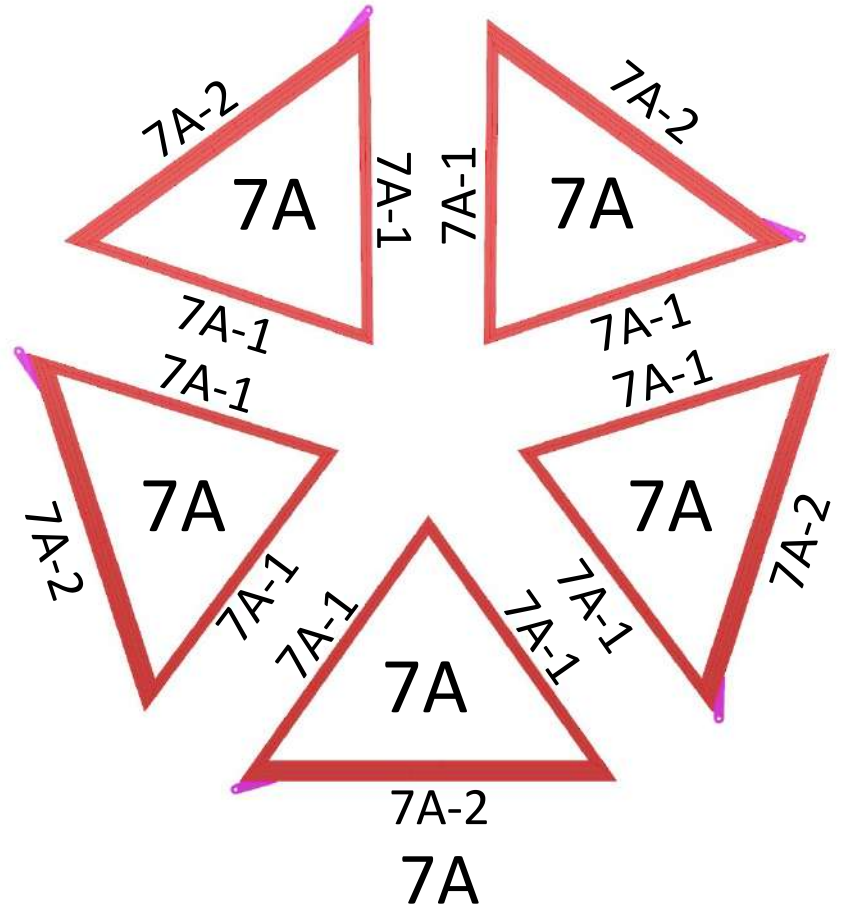




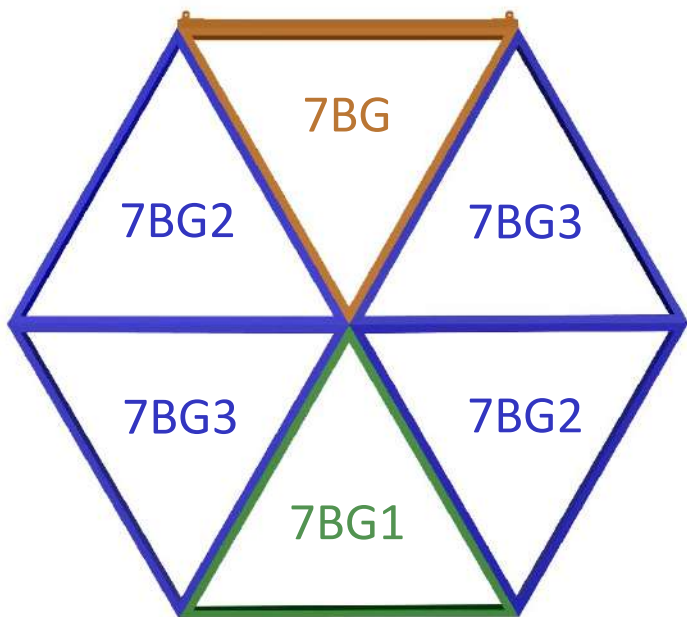
Clear bay window



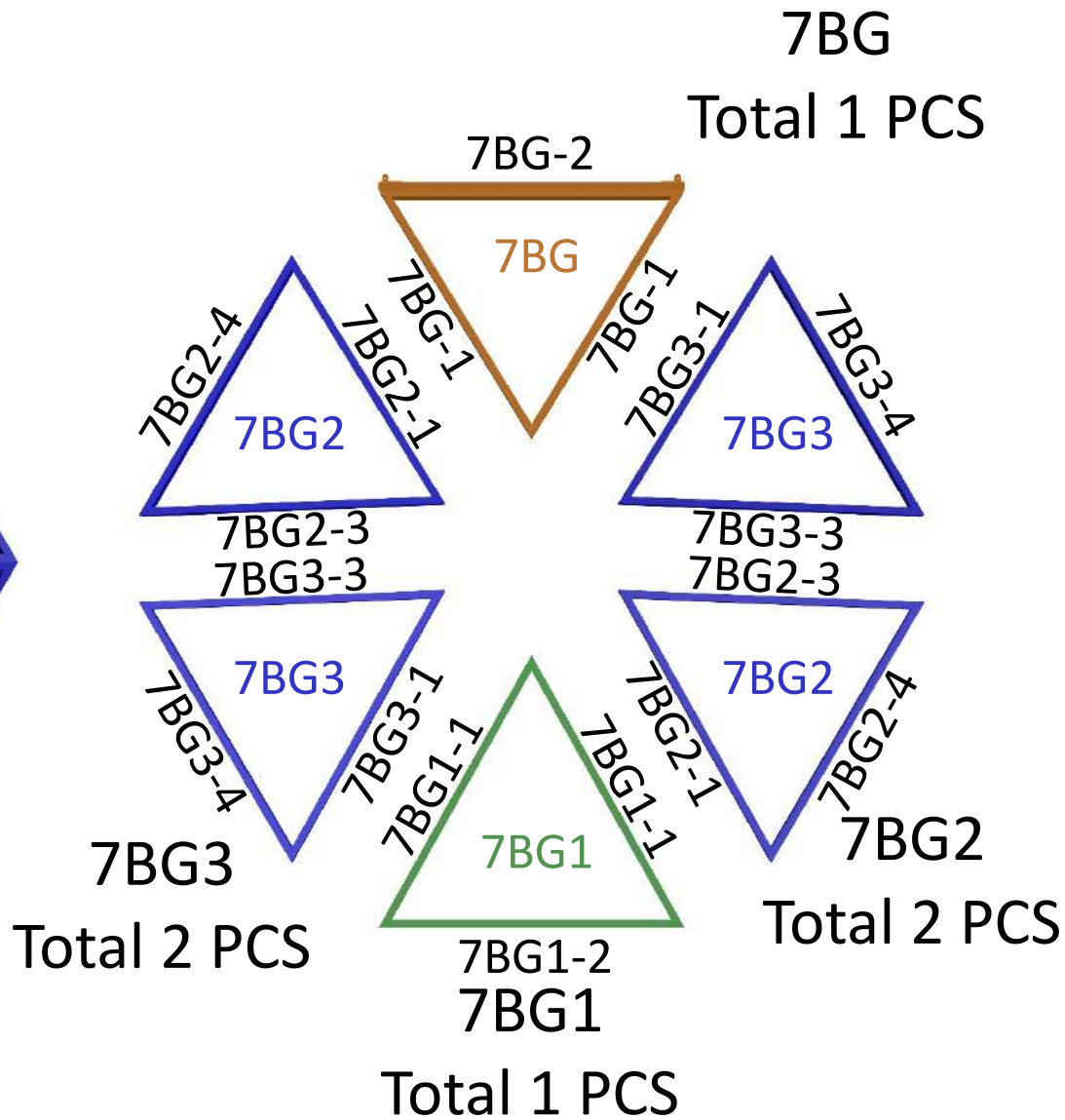
Pentagon
Total 1 PCS



Total 5 PCS

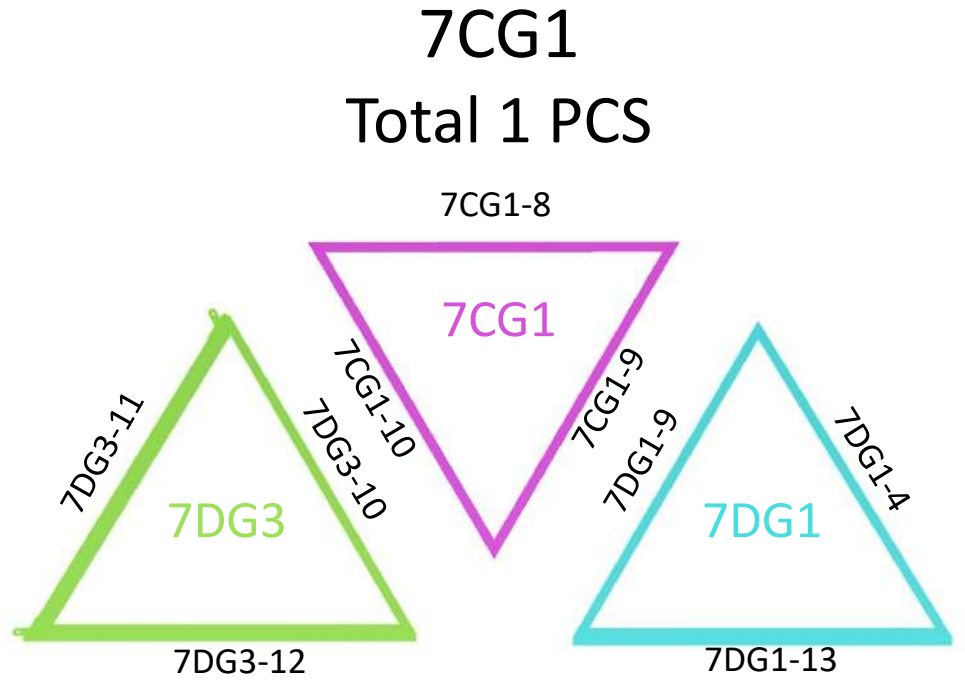


Hexagon
Total 1 PCS





Trapezoid
Total 1 PCS



7CG1
Total 1 PCS

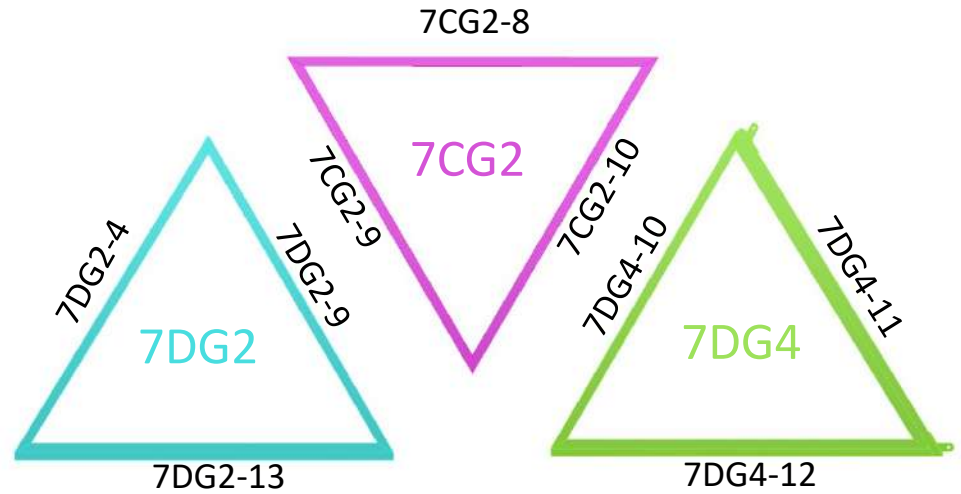
7DG3
Total 1 PCS

7DG1
Total 1 PCS



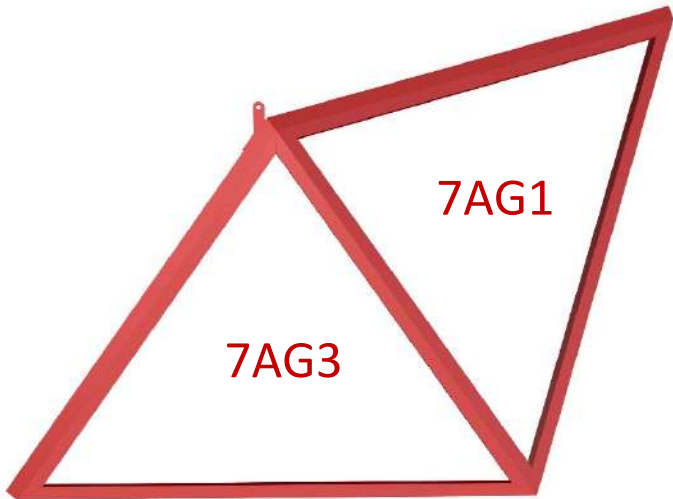
Trapezoid
Total 1 PCS

7CG2
Total 1 PCS

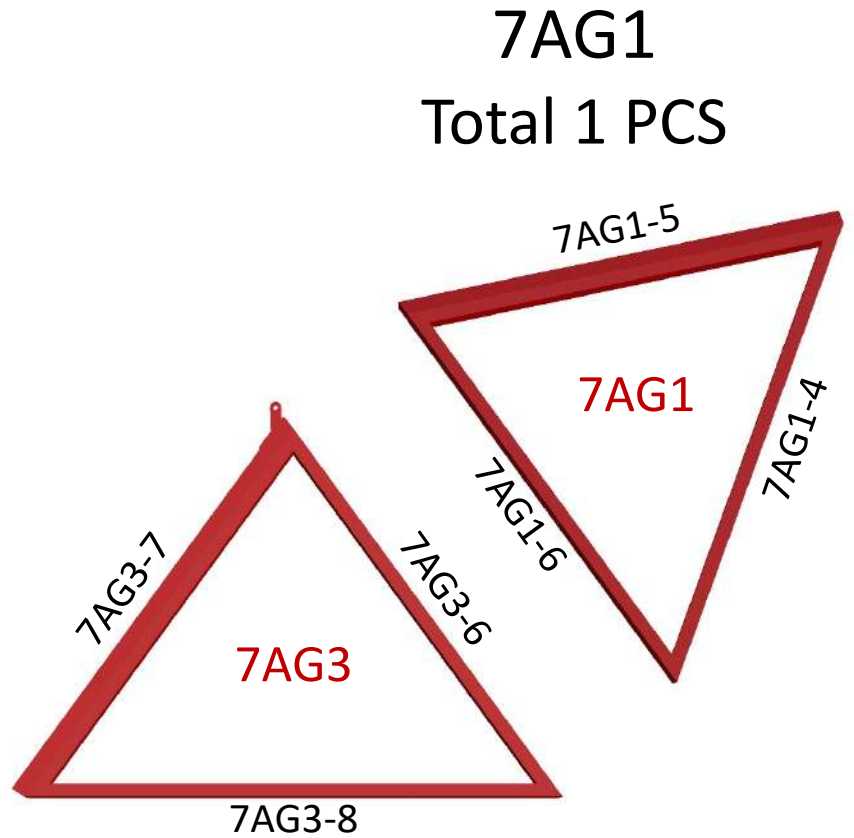


7DG2
Total 1 PCS

7DG4
Total 1 PCS



Quadrilateral
Total 1 PCS

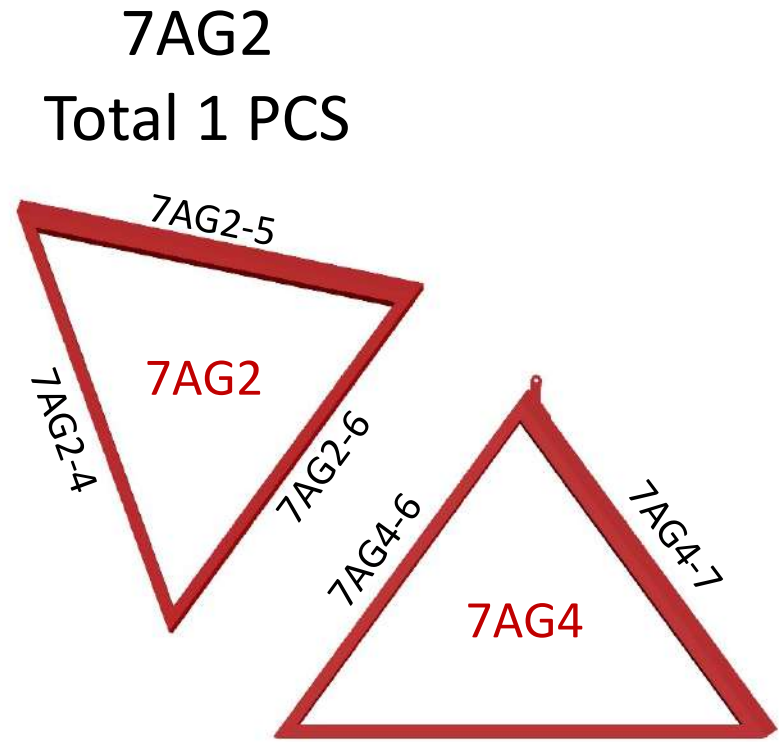


7AG3
Total 1 PCS

7AG1
Total 1 PCS

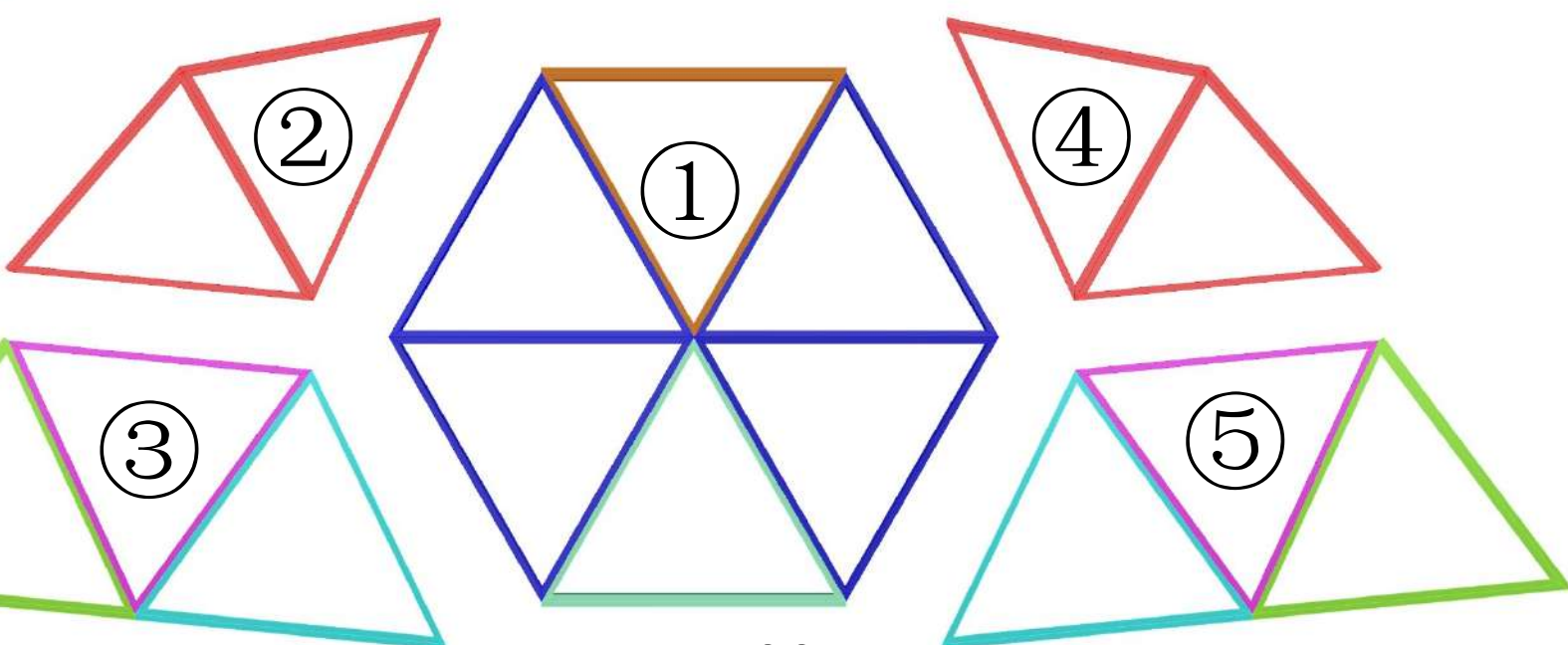
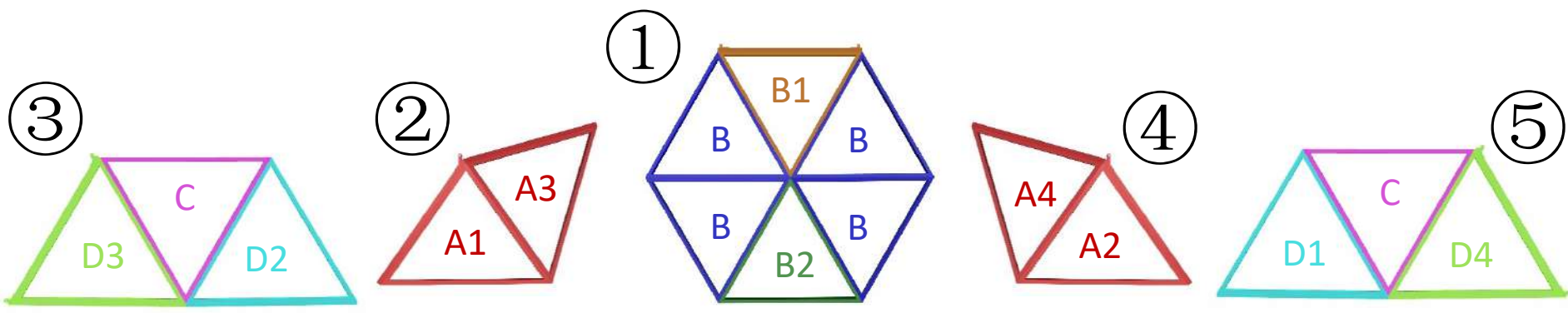


Quadrilateral
Total 1 PCS



7AG2
Total 1 PCS

7AG4
Total 1 PCS



Sequence of frame installation

Remove Round Tubing

- You will need to remove the round tubing from the window area.
- Use 2x4's or other kinds of bracing on the hubs above the window temporarily to keep the dome from sagging until the new frame is in place to support it

1. Frame assembly

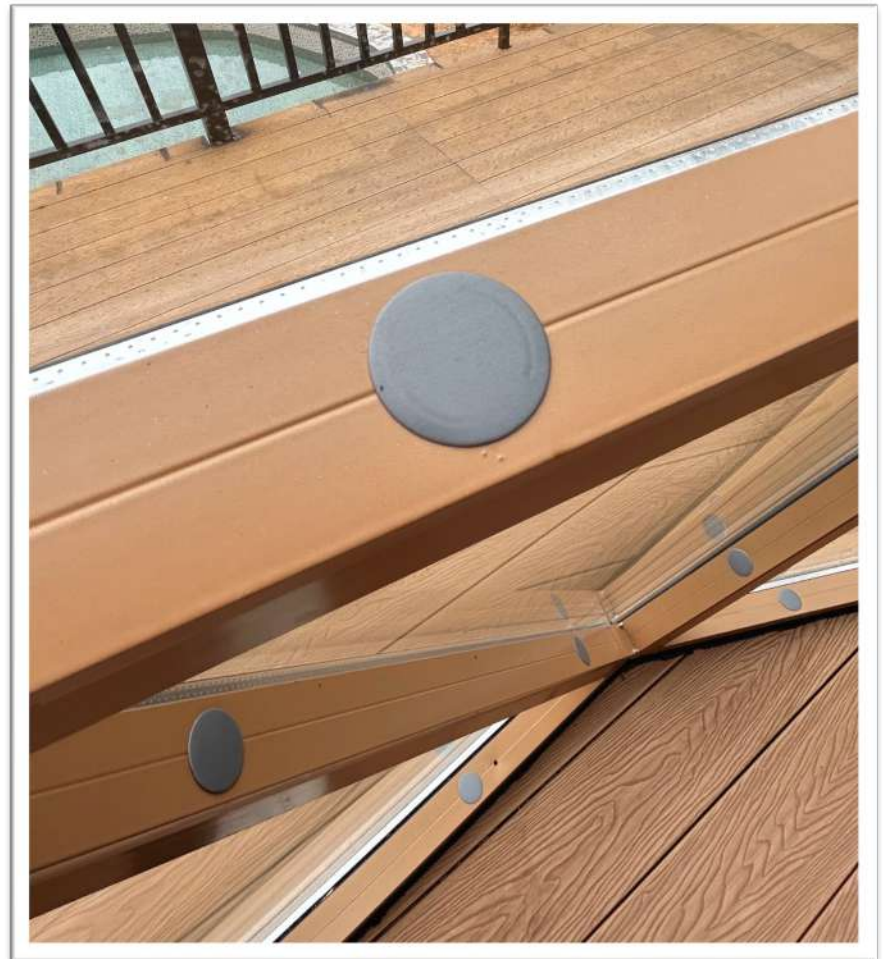
First assemble the individual triangular frames on the into specific shapes such as pentagons, hexagons, trapezoids, etc. – See detailed diagrams above. Using a long 10mm socket on a ratchet or impact driver will make this easier. Make sure the frame pieces are lined up perfectly before tightening the bolts.





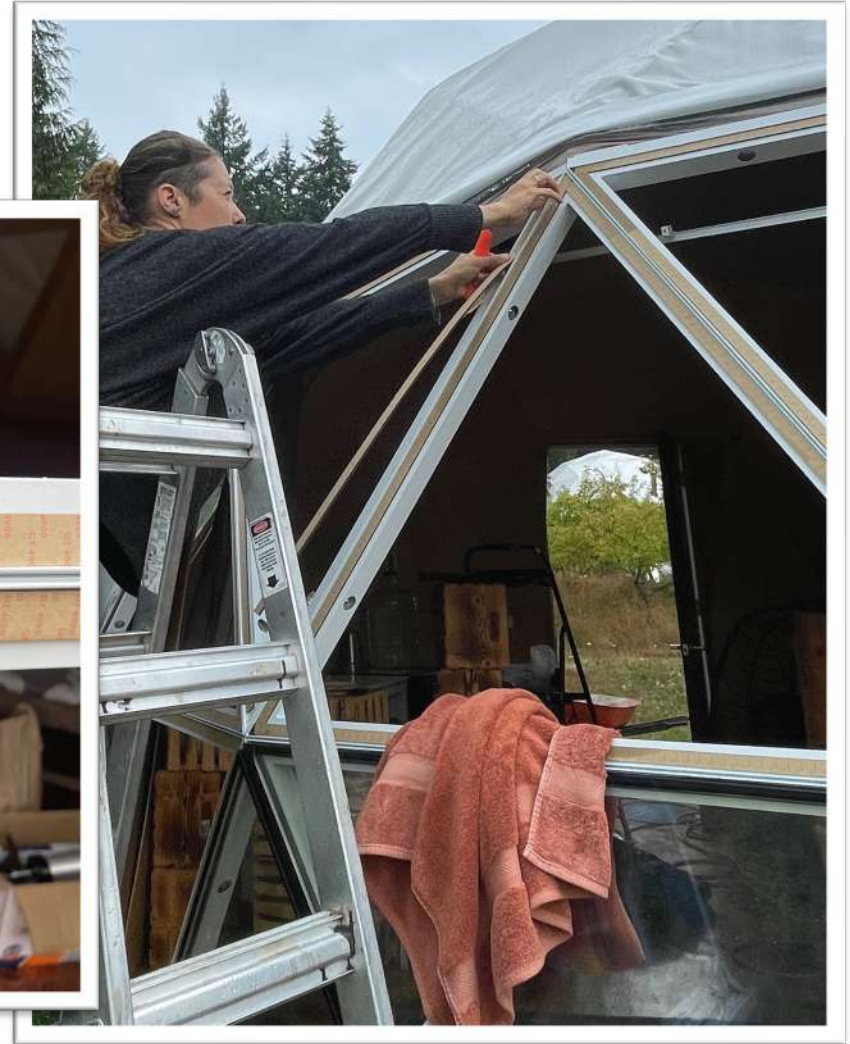
Frame installation - step 2

Cover the screw holes with a snap plug.



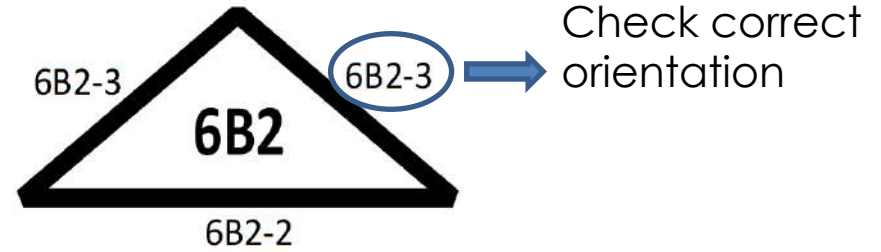
2. Glass installation – step 1

Paste double-sided tape on the surface of the frame (note that the double-sided tape should be pressed on firmly, and bevels cut at the corners)



Glass installation - step 2

Tear off the double-sided tape of the triangle glass that needs to be installed, and orient the glass according to the numbers. Carefully center the top or bottom edge and tilt it into place, making sure it lines up everywhere.



Apply all the panes of glass until finished





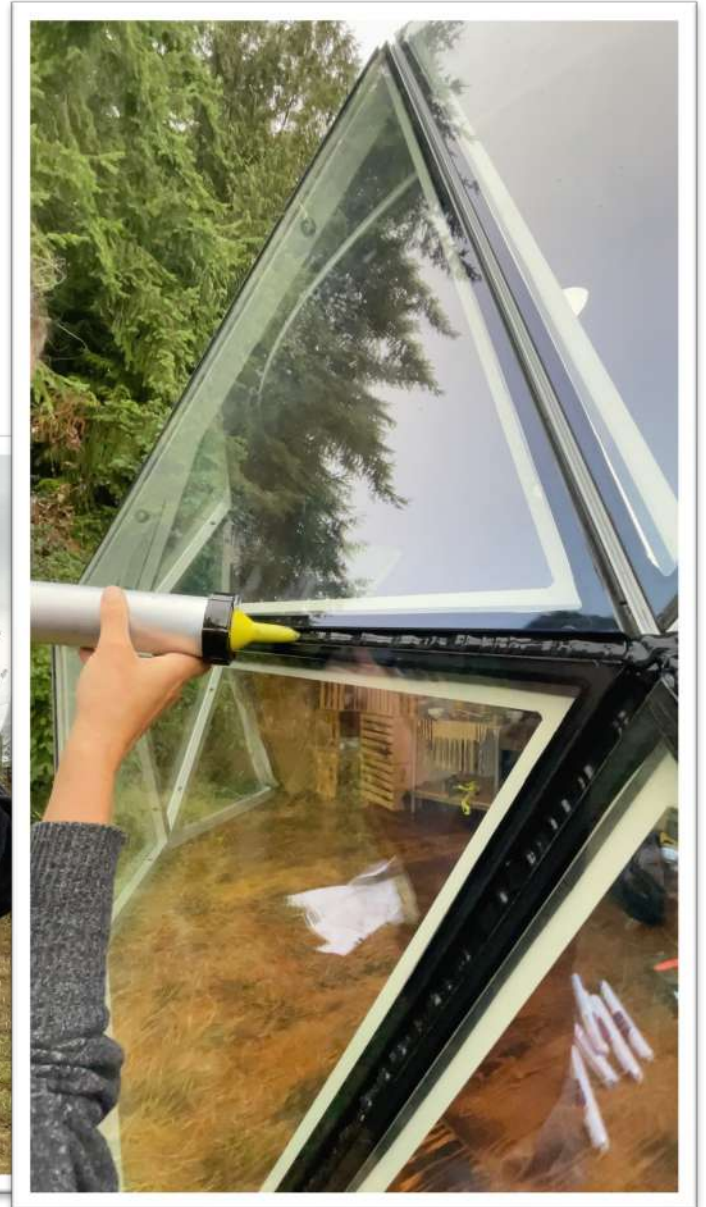
Please note: on a 3V dome, some of the bottom layer panels are actually angled outwards slightly. These will need support until the final caulking has set. You can use pieces of lumber to brace them, and/or screw little pieces of plywood or plastic between the frames to hold it in place.



Glass installation - step 3

After the glass is set in place, apply caulking layer by layer. For double pane windows, the gaps are rather large, try to fill them all at once with lots of caulking.

Note: Do one section within reach at a time, then add more glass panes and do the next section, so that you can easily reach all joints to be caulked. For the skylight, you may need to look at a very long ladder and safety equipment, or a bucket truck to safely get to the top.

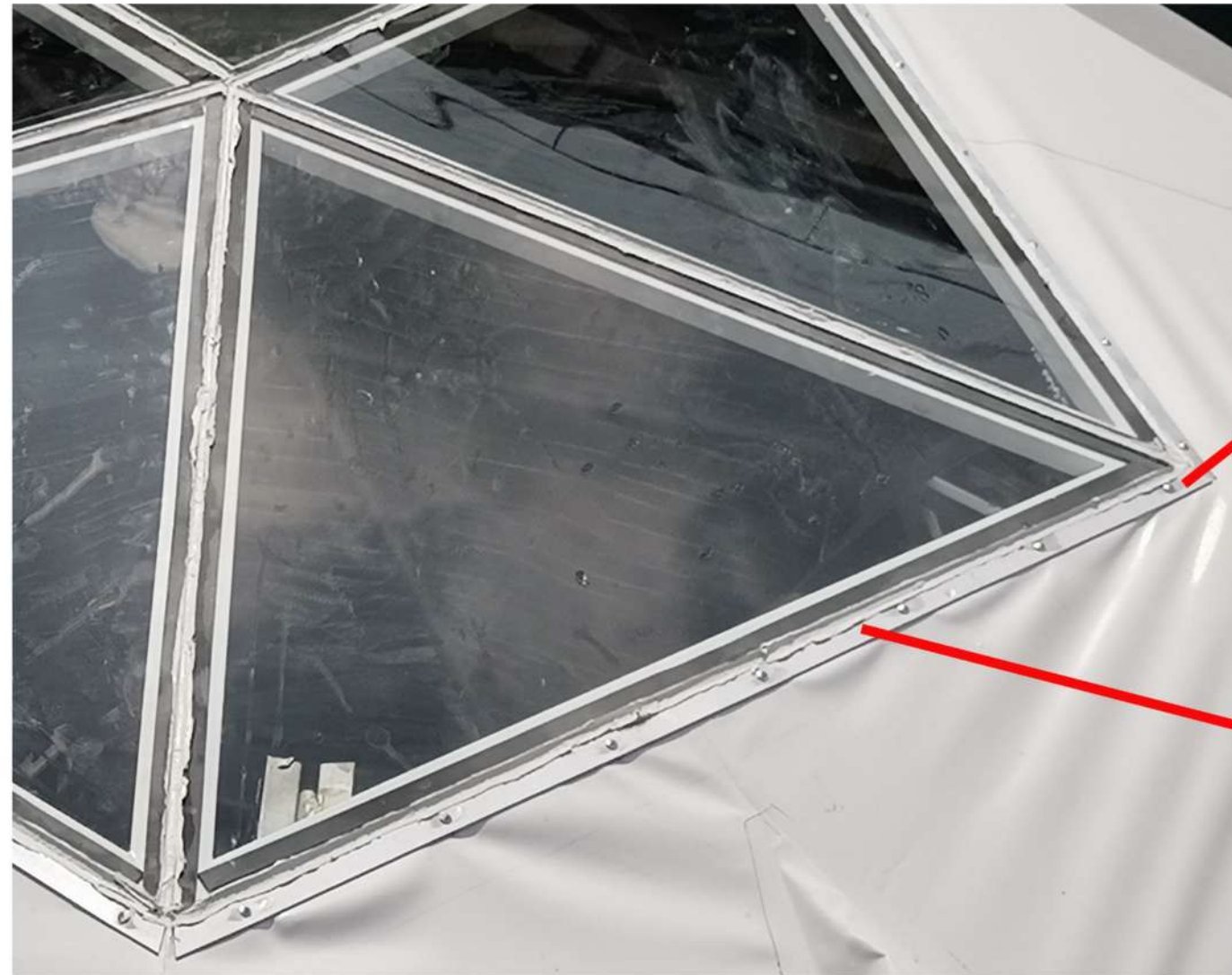


For the skylight, remove the center top pentagon and replace it with the aluminum frame



Attach the cover edges to the aluminum frame with the aluminum trim strips and self-tapping screws.

Then caulk the screws and between the aluminum strips and the cover.



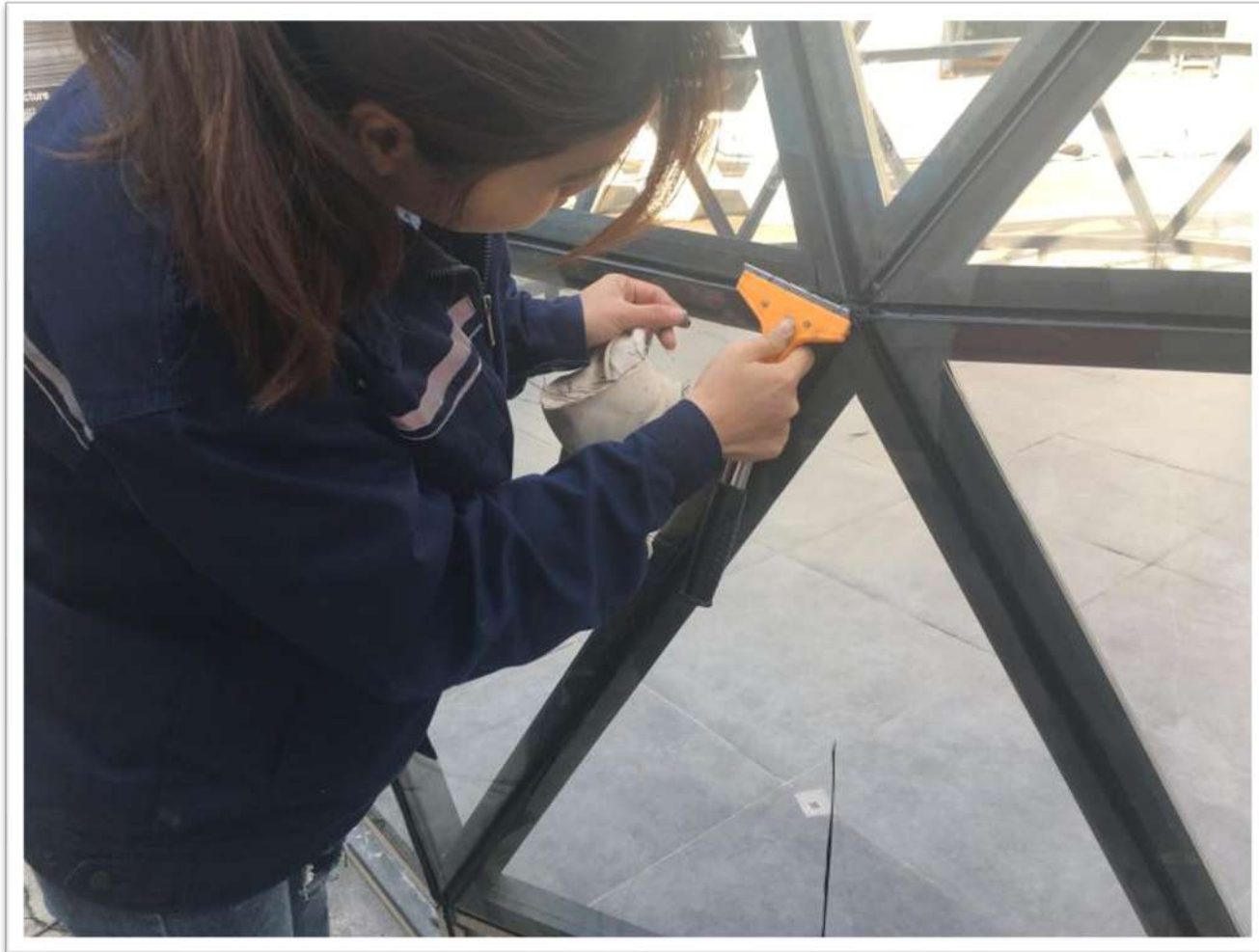
Self-Tapping screw



Aluminum Trim

Glass installation - step 4

Use a blade to scrape off any excess caulking on the surface.





Enjoy your new Crystal Clear Views!