



Domegaia Designs  
Hajjar Gibran - Architect  
720 579-6636 hajjar@domegaia.com

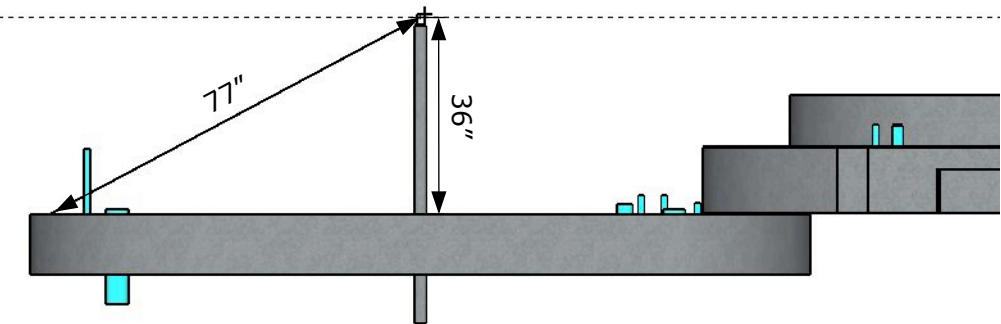
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Steve's Dome Home  
Perspective

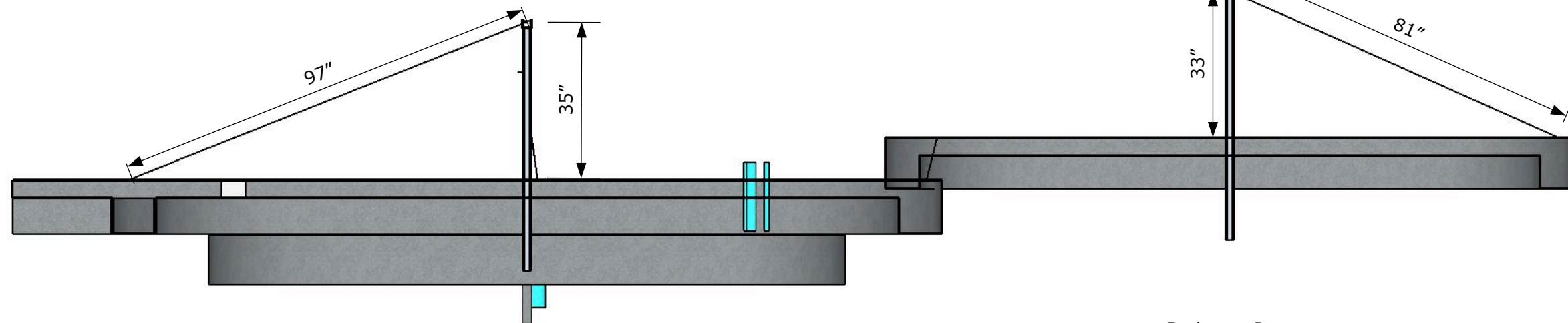
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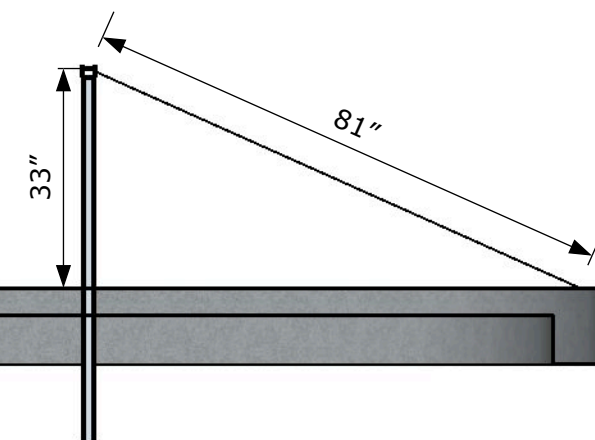
A Radius Post and Arm define the size and shape of each dome. They can be made in many ways. For the post I like to use 1.5" thin wall steel tubing. Flatten one end and plug the other end with hardwood. Then drive it into the ground at the center of the domes floor so that the height of the pole is just enough below the mid point of the sphere. Screw a piece U shaped metal on top into the hardwood with a steel washer in between so it spins around the screw. The arm is fastened inside the U with a screw so that it becomes a universal joint. The arm can be a 1x2 piece of wood, or a bamboo pole. My favorite is a 1" square aluminum arm with adjustable wood inserts on both end. A 3" piece of 1" aluminum angle screwed on the end of the arm is ideal for positioning each building block:



Bathroom Dome



Main Dome



Bedroom Dome



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Steve's Dome Home  
Radius Post and Arm

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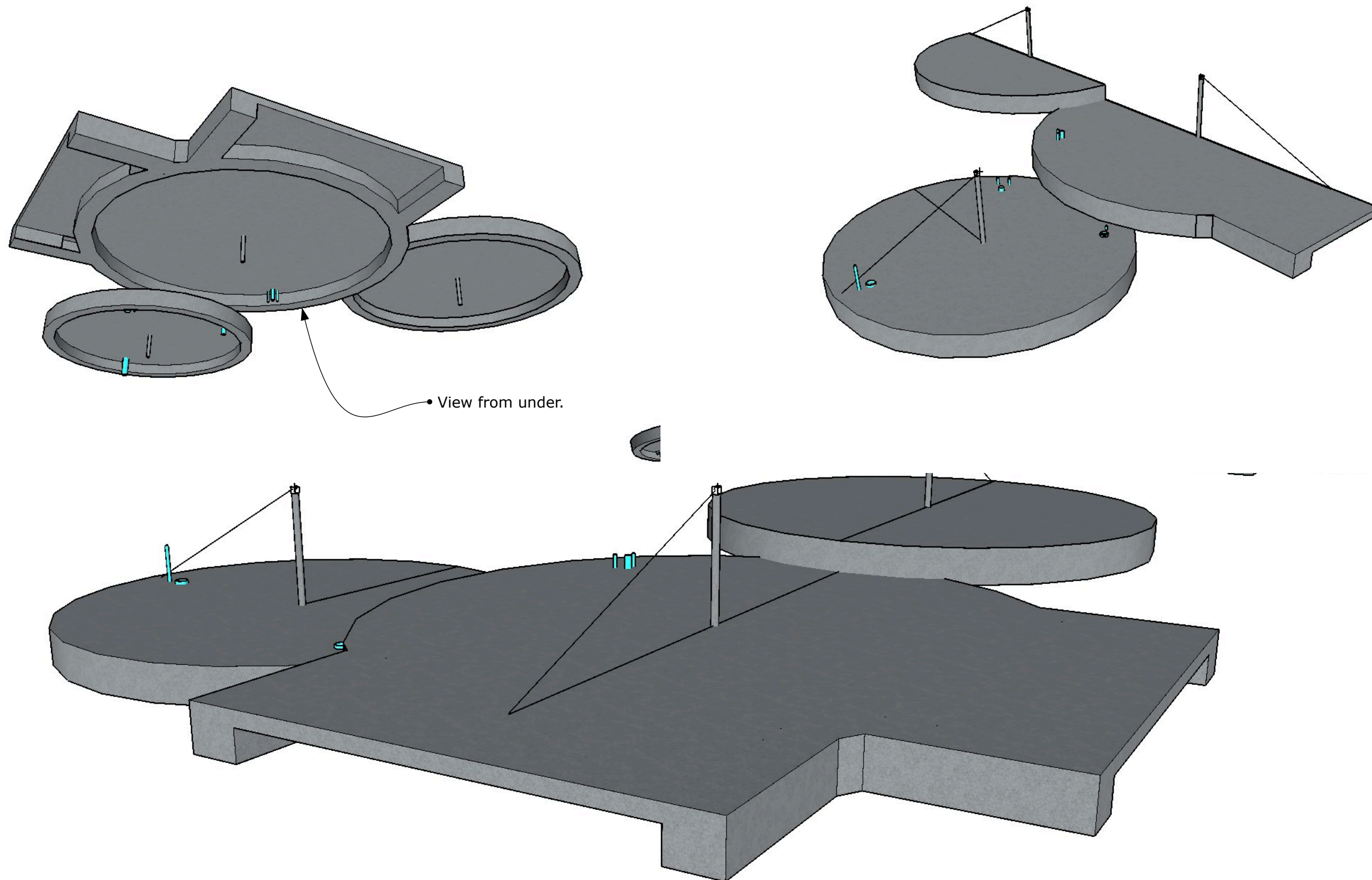
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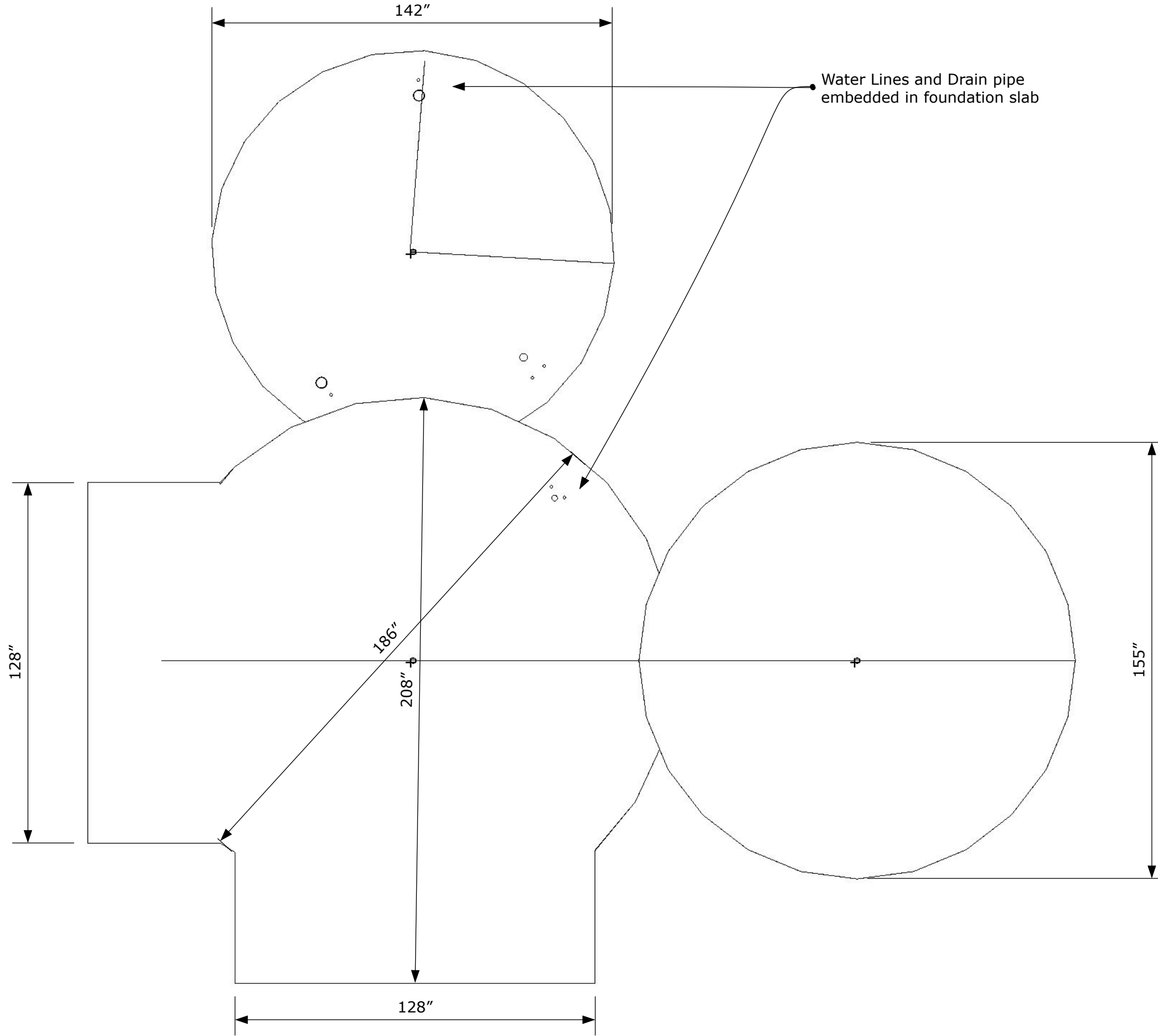
## Steve's Dome Home Foundation

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Your foundation must be designed to suit your site. Steve's dome home was built on a slight slope. We used the slope to create different floor levels for each dome. The foundation is made by digging a level trench about 12" deep x 8" wide around the perimeter of each dome and under the foot of each arch. Rebar is placed in the trench and the interior ground is leveled for a 4 inch slab. Forms are made where the foundation protrudes above the ground. Each dome foundation was poured separately.



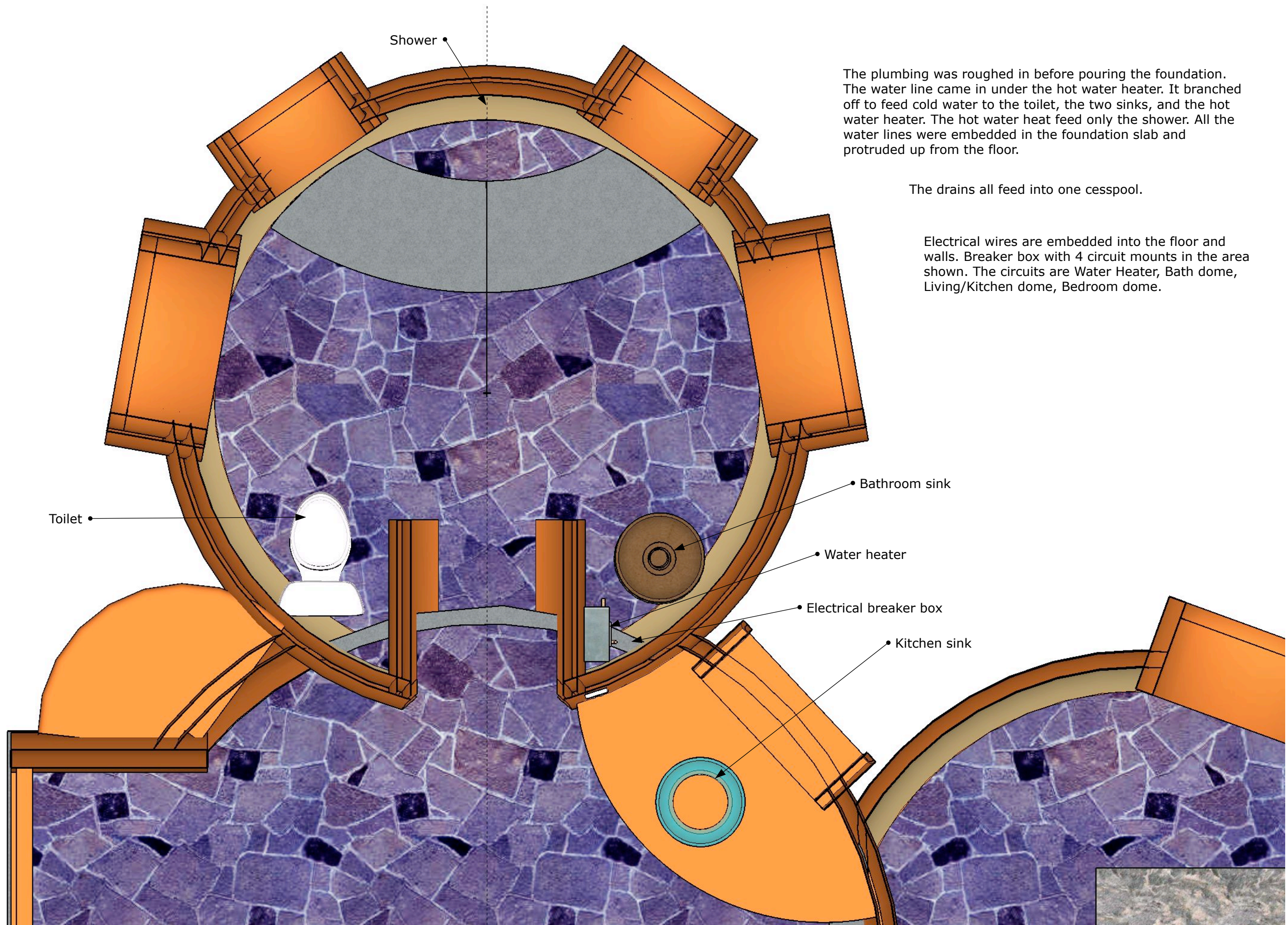
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**Steve's Dome Home  
 Foundation Dimensions**

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The plumbing was roughed in before pouring the foundation. The water line came in under the hot water heater. It branched off to feed cold water to the toilet, the two sinks, and the hot water heater. The hot water heat feed only the shower. All the water lines were embedded in the foundation slab and protruded up from the floor.

The drains all feed into one cesspool.

Electrical wires are embedded into the floor and walls. Breaker box with 4 circuit mounts in the area shown. The circuits are Water Heater, Bath dome, Living/Kitchen dome, Bedroom dome.



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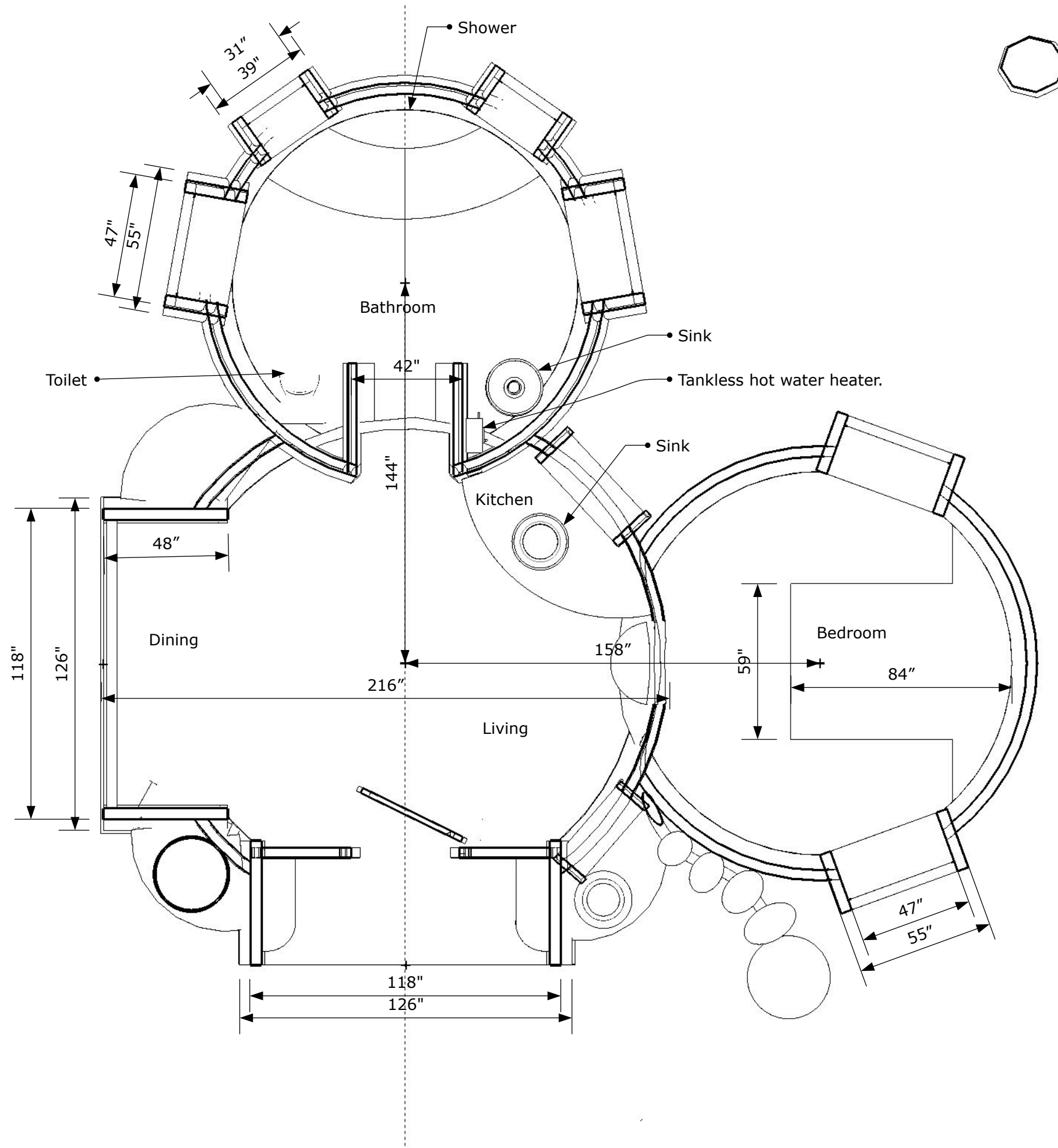
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**Steve's Dome Home**  
**Mechanical**

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# Steve's Dome Home Floor Plan

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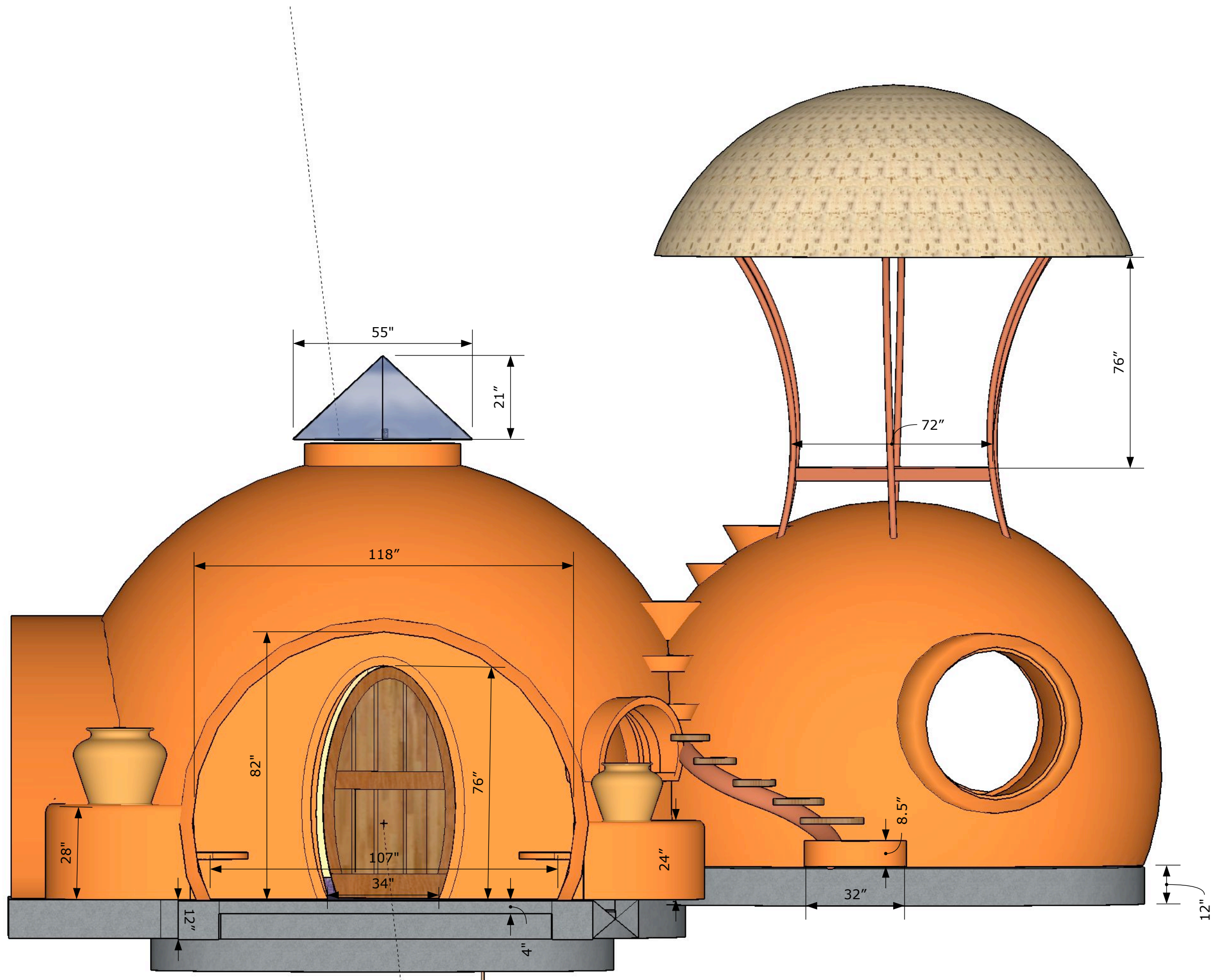
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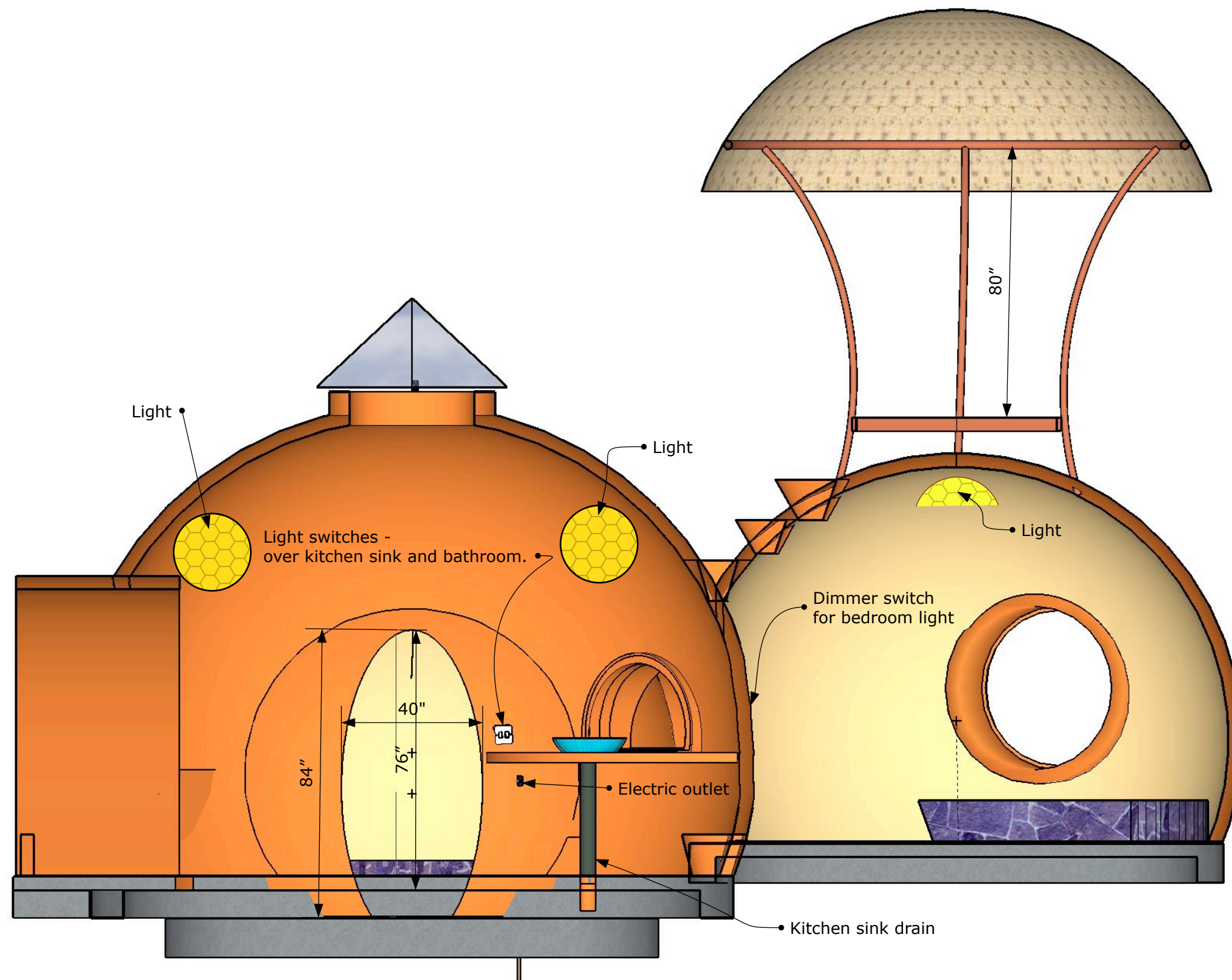
**Steve's Dome Home**  
**Front Door Elevation**

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**Steve's Dome Home**  
**Front Door Section**

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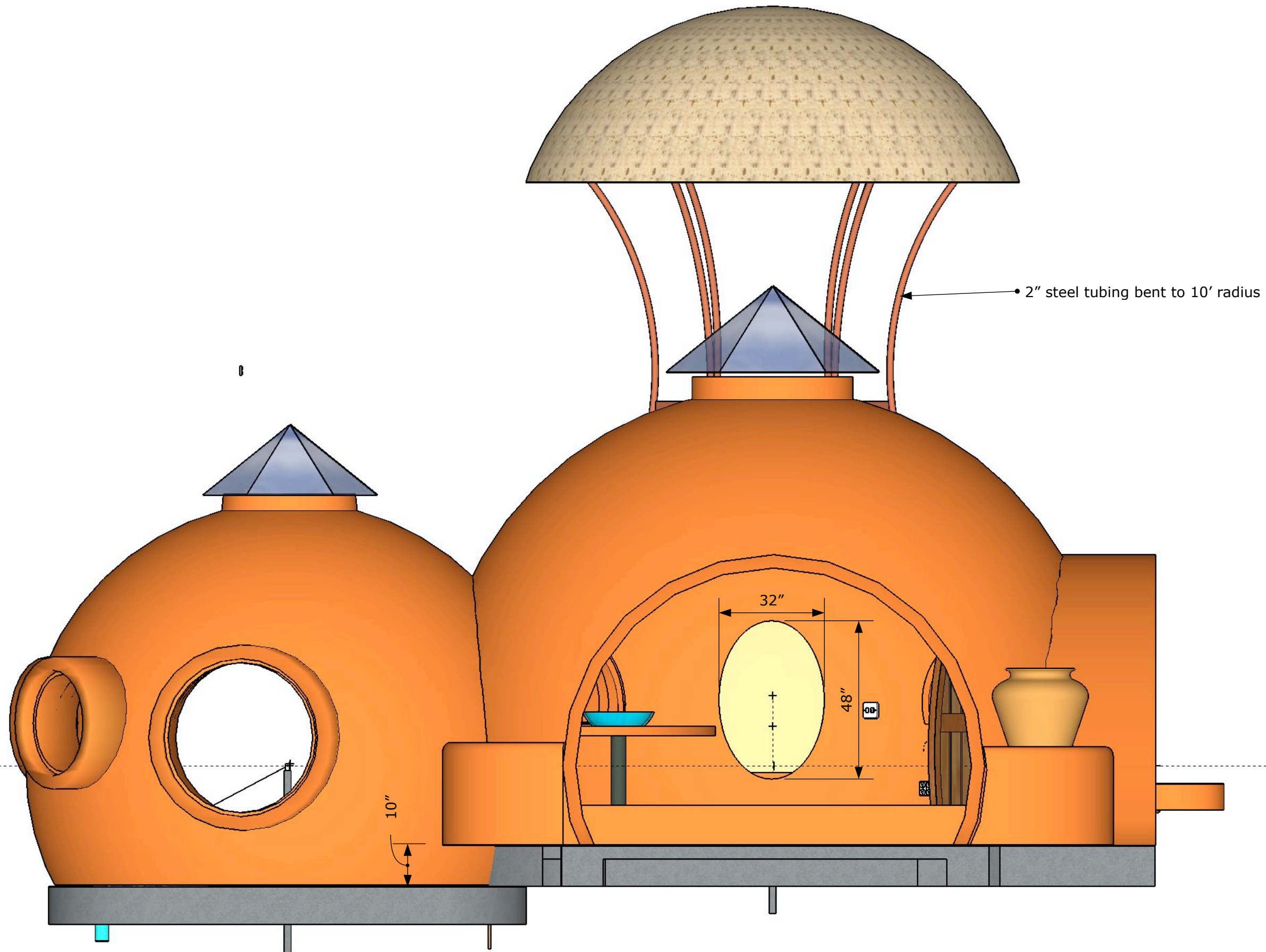
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Arch View Elevation

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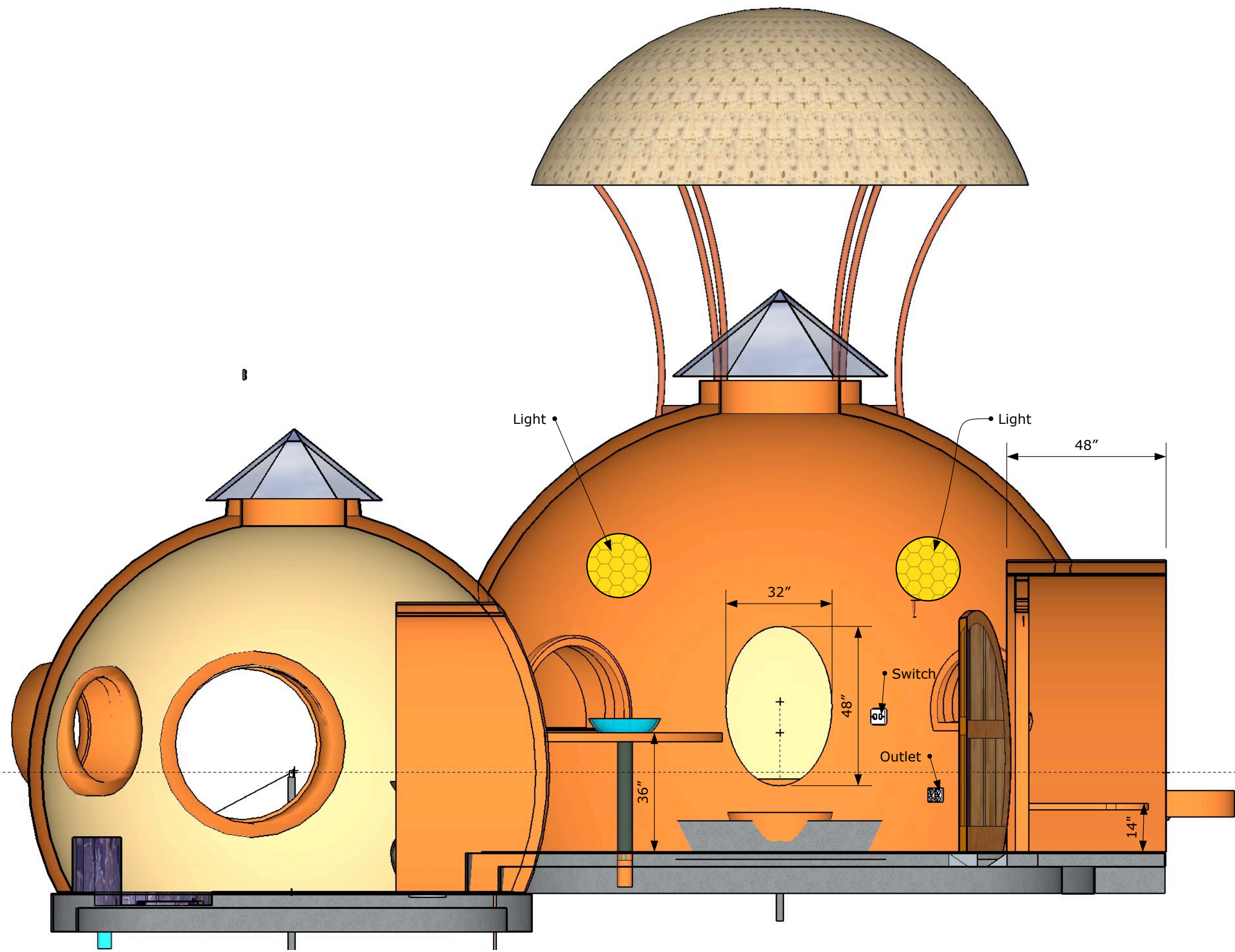
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Arch View Section

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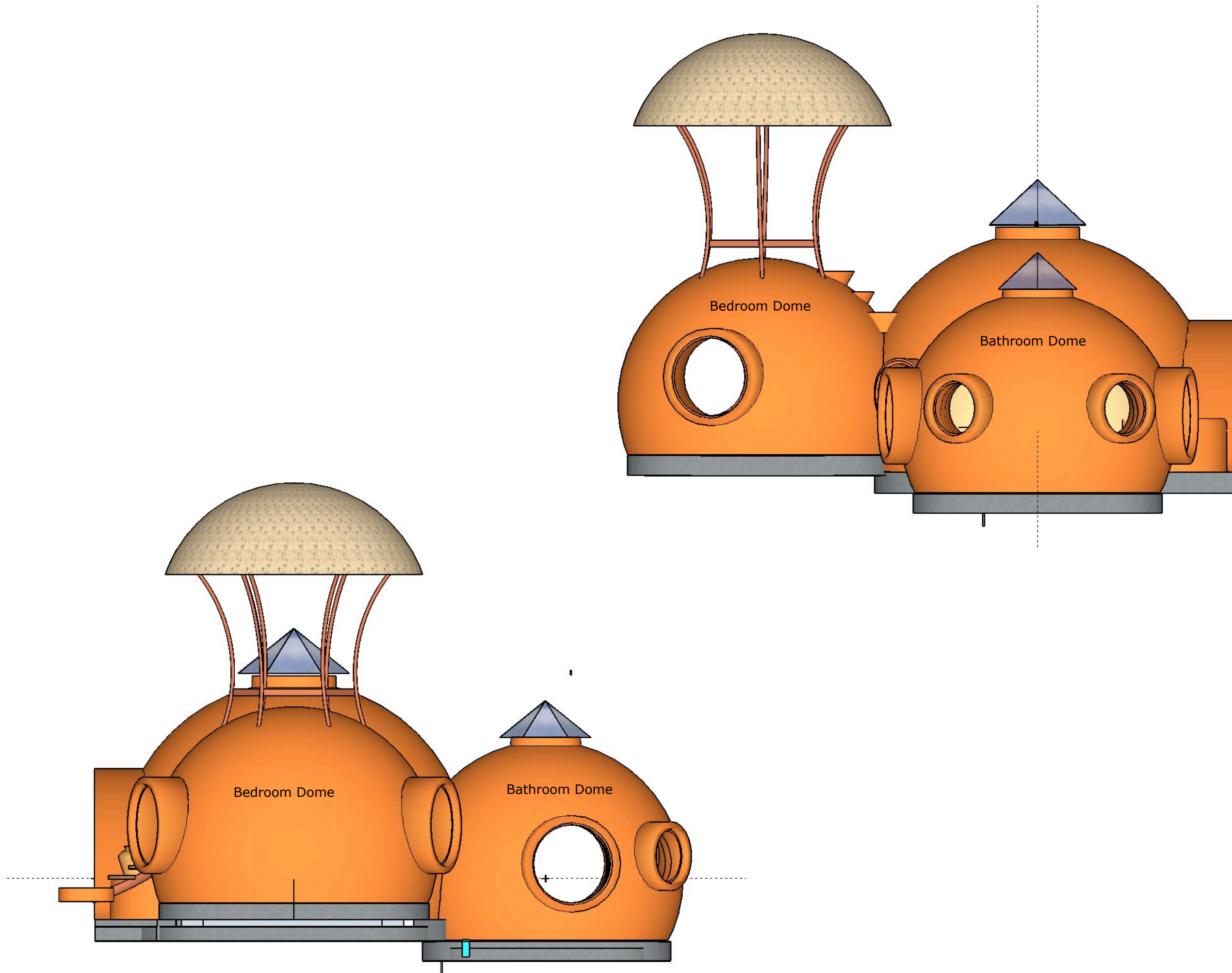
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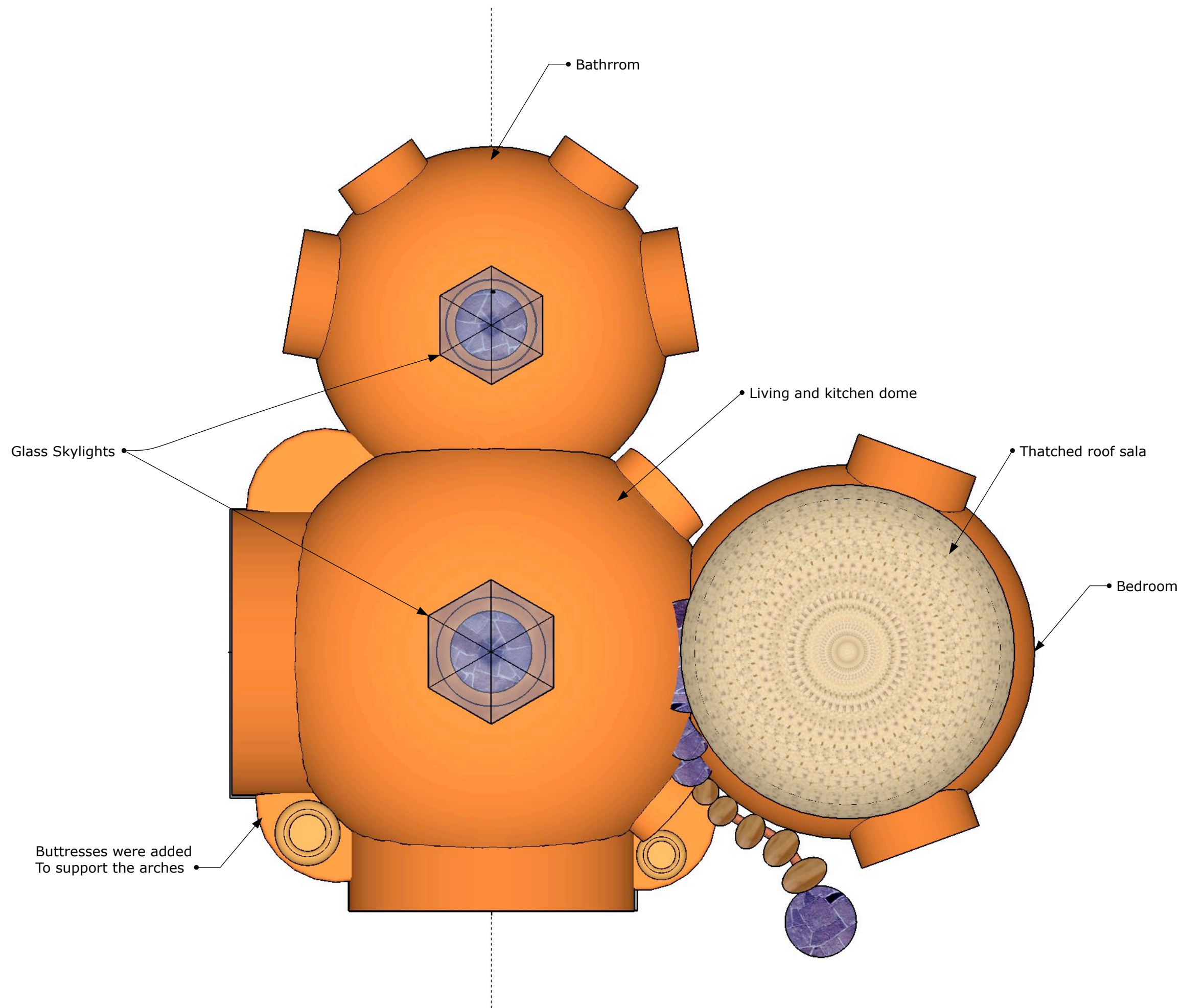
**Steve's Dome Home  
Rear Elevations**

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**Steve's Dome Home**  
**Sky view**

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