



GEO 8.0 ASSEMBLY INSTRUCTIONS

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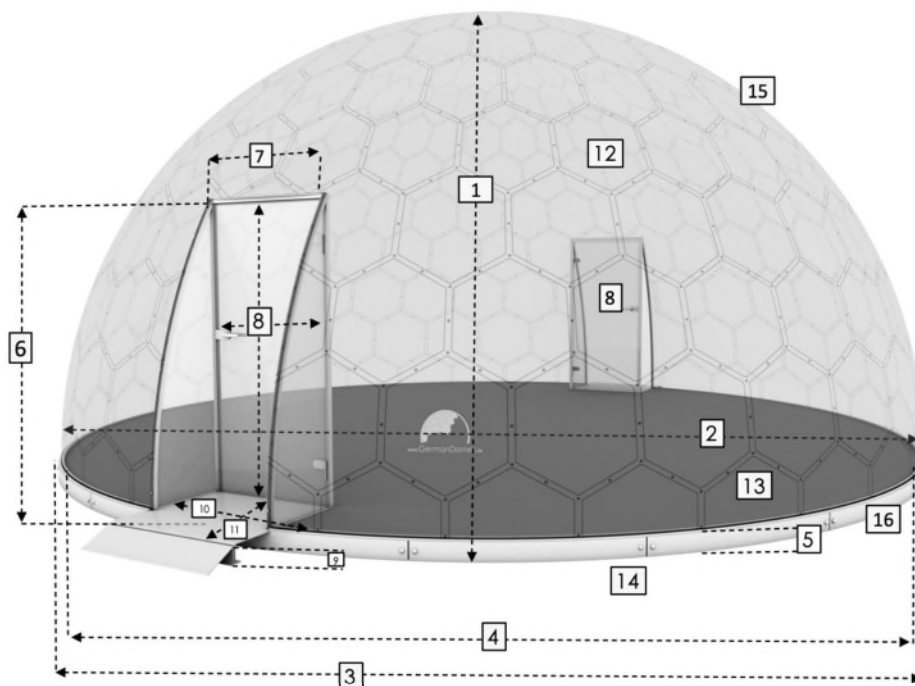
GEO 8.0

ASSEMBLY INSTRUCTIONS

**Delivery &
Preparation**

Rings, Door Frame & A-Row

**Panel Assembling
from the Inside
of the Dome**



Technical Specifications

- | | |
|--|--|
| 1 Overall Height: approx. 13 ft 5 in (410 cm) | 10 Door Platform Width: approx. 3 ft 5 in (104 cm) |
| 2 Dome Diameter: approx. 26 ft 3 in (800 cm) | 11 Door Platform Depth: approx. 2 ft 5 in (74 cm) |
| 3 Outer Ring Diameter: approx. 26 ft 5 in (805 cm) | 12 Interior Volume: approx. 4,730 ft ³ (134 m ³) |
| 4 Inner Ring Diameter: approx. 26 ft 1 in (795 cm) | 13 Usable Floor Area: approx. 538 ft ² (50 m ²) |
| 5 Ring Height: approx. 5 in (12 cm) | 14 Floor Footprint: approx. 548 ft ² (50.9 m ²) |
| 6 Door Frame Height: approx. 7 ft 1 in (215 cm) | 15 Polycarbonate Panel Thickness: approx. 1/8 in (3 mm) |
| 7 Door Frame Width: approx. 3 ft 6 in (106 cm) | 16 Foundation Ring Circumference: approx. 83 ft (25.30 m) |
| 8 Tempered Safety Glass Door: approx. 6 ft 6 in × 3 ft 1 in × 5/16 in (197 × 95 × 0.8 cm) | 17 Total Weight: approx. 1,947 lb (883 kg) |
| 9 Door Platform Height: approx. 5 in (12 cm) | |

Before You Begin



How long does assembly take?

Typically assembly takes 6–9 hours



How many people are required for assembly?

We recommend at least 2 people for assembly



What tools are required for assembly?



Cordless drill / driver



5/16 in wrench or socket wrench (equivalent to 8 mm)



3/4 in wrench or socket wrench (equivalent to 19 mm)



Ladder



T25 Torx driver bit



What is the minimum required installation area?

A level circular installation area with a minimum diameter of 12 ft (3.7 m) is required



IMPORTANT

Please follow the assembly instructions carefully.

Improper assembly may result in product damage, property damage, or personal injury.



SAFETY

Exercise caution when using and climbing ladders

Always follow safe working practices to prevent accidents and injuries



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ASSEMBLY INSTRUCTIONS

Delivery & Preparation

Safety Instructions

Please read this manual completely before beginning assembly of the GEO Dome. Failure to follow these instructions may result in property damage, personal injury, or serious injury.

GENERAL SAFETY

- Read and understand all instructions before starting assembly.
- Keep children, pets, and unauthorized persons away from the installation area.
- Do not modify or alter structural components unless specifically instructed in this manual.
- Maintain a clean and organized work area throughout assembly.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

- Wear safety gloves, safety glasses, sturdy non-slip footwear, and appropriate work clothing during assembly.

LADDER SAFETY

- Always place ladders on a stable, level surface.
- Never stand on the top step of a ladder.
- Do not overreach while working from a ladder.

WEATHER CONDITIONS

- Do not assemble the dome during high winds, rain, thunderstorms, snow, or icy conditions.
- Polycarbonate panels may act like sails in windy conditions and should be secured during installation.

PANEL HANDLING

- Handle polycarbonate panels carefully to avoid scratches and damage.
- Store panels on a clean, flat surface before installation.
- Remove protective film only when instructed during assembly.

SITE PREPARATION

- Ensure the installation area is level, stable, and free from obstacles.
- Verify that adequate clearance exists around the dome before assembly.

WARNING

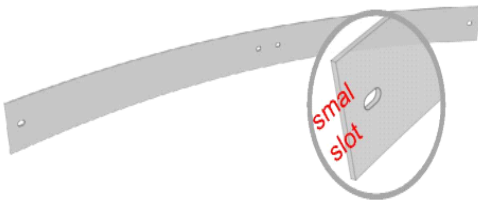
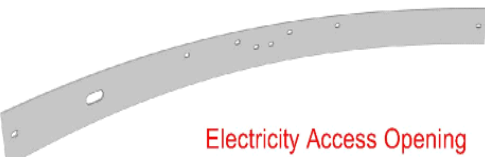
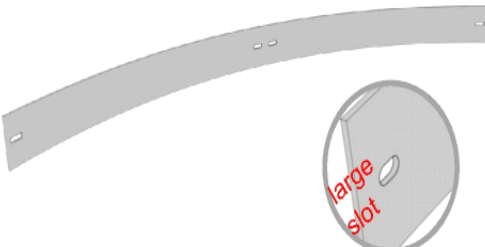
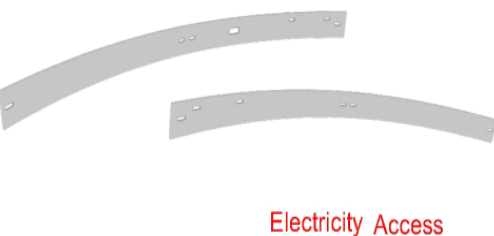
Failure to follow these instructions may result in property damage, personal injury, serious injury, or death.

Packing List / Parts Overview

Customer:

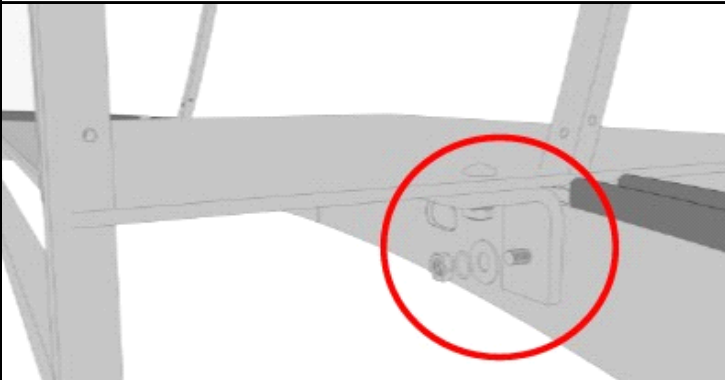
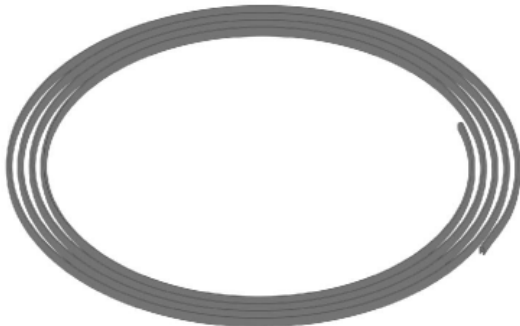
Component	Description	Qty	Checked
RING COMPONENTS			
Outer Ring Sections		16	☐
Inner Ring Sections		16	☐
M12 Bolts		64	☐
PE Spacer		64	☐
DOOR			
Door Assembly		2	☐
Connection Strips		4	☐
Side Panels		4	☐
Top Covers		2	☐
Lock with 3 Keys		2	☐
Door Handles		4	☐
PANELS			
	Row	14	
	A	14	
	B	36	
	C	38	
	D	36	
	E	39	
	F	35	
	G	30	
	H	25	
	I	20	
	J	15	
	K	10	
	L	5	
	M	1	
	TOTAL	304	☐
ADDITIONAL COMPONENTS			
Edge Protection	2 × 24 m (2 × 78.7 ft)		☐
Microfilter	23 × 1 m (23 × 3.28 ft)		☐
Suction Cup	Panel M		☐
Screws	M5 × 12 TX25 Short		☐
Screws	M5 × 16 TX25 Long		☐
M5 Combination Nuts	M5 Combination Nuts		☐

Ring Components

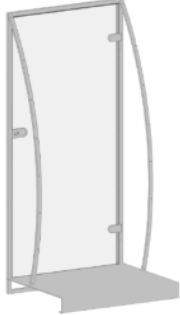
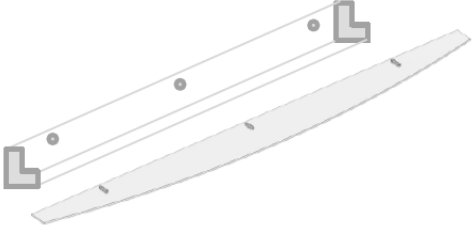
Component	Quantity	Reference Image
Outer Ring Section Small elongated hole	14	
Outer Ring Door Section Electrical access opening	2	
Inner Ring Section Large elongated hole	12	
Inner Ring Door Section Electrical access opening	4	

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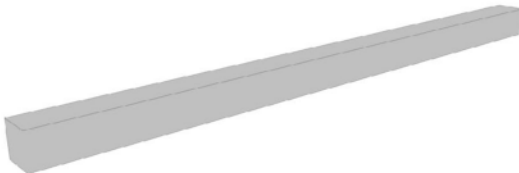
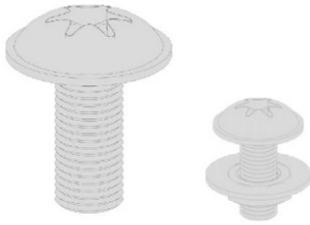
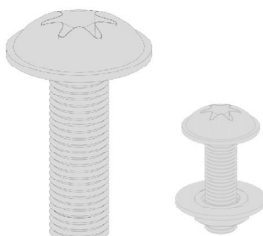
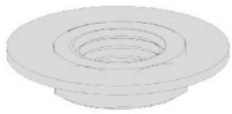
ASSEMBLY INSTRUCTIONS

Component	Quantity	Reference Image
Door Fixing Angle	4	
PE Spacer Door	64	
M12 Bolt	64	
Edge Protection (Black)		

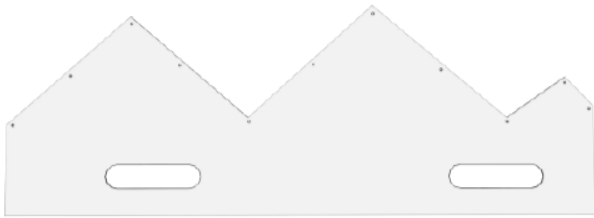
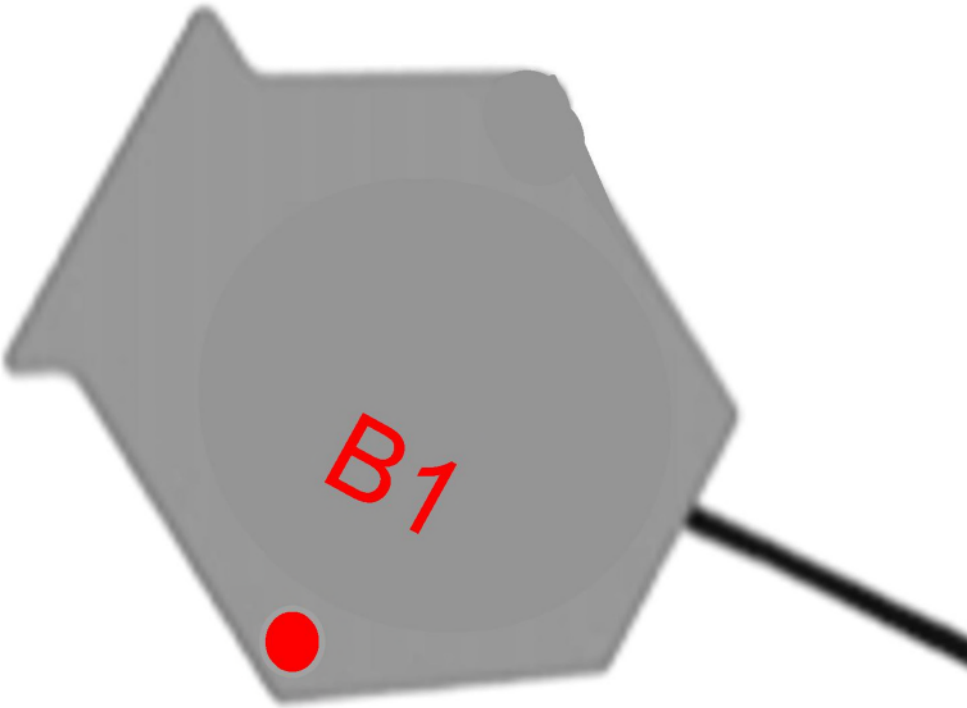
Door Components

Component	Quantity	Reference Image
Door Assembly	2x	
Door Lock	2x	
Door Handle	2x	
Door Panel Connector	4x	
Door Side Panel	4x	
Door Top Panel	2x	

Filter & Fastener Components

Component		Reference Image
Air Filter		
M5 × 12 Panel Screws		
M5 × 16 Panel Screws		
M5 Panel Nuts		

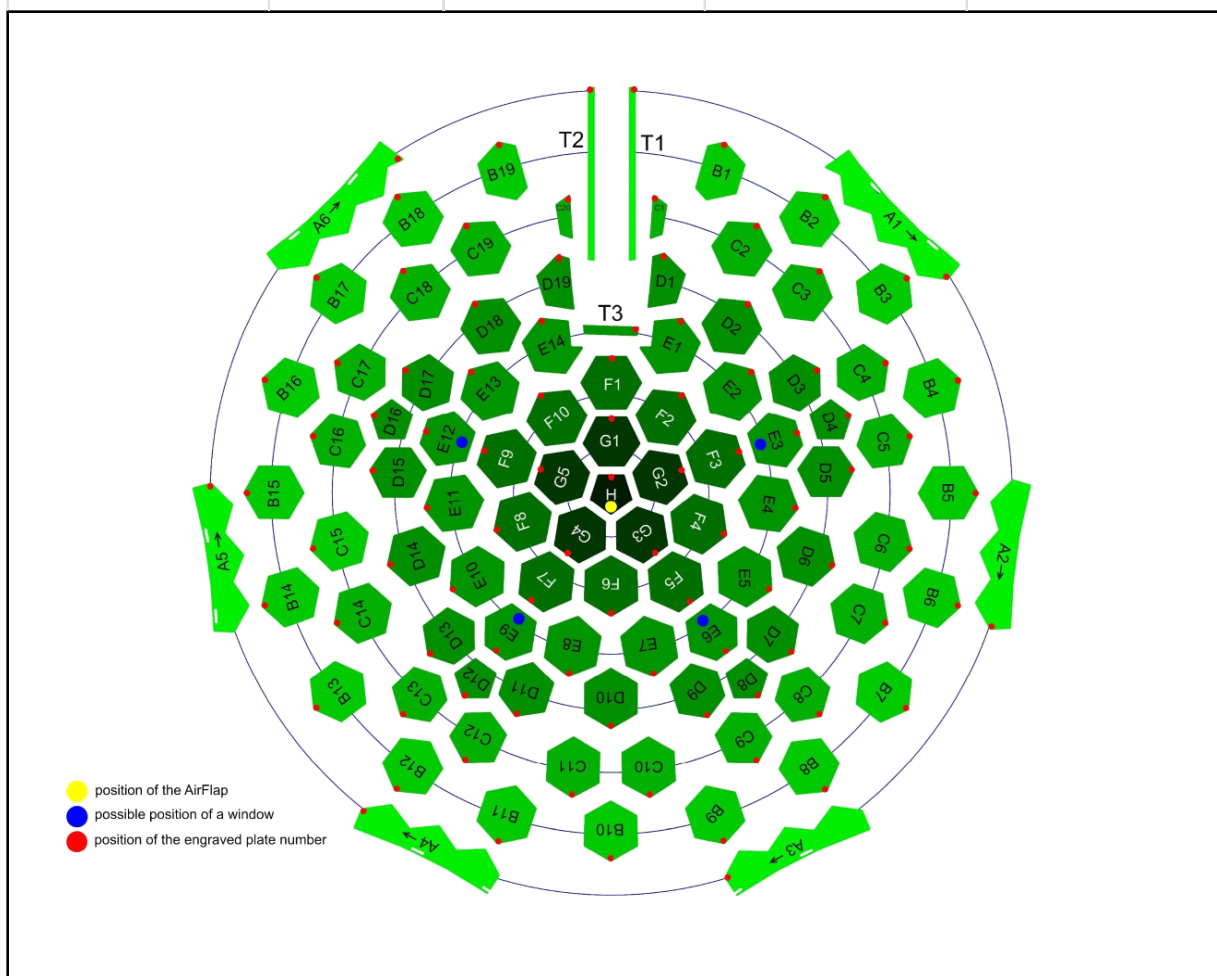
Panel Identification Guide & Orientation

A Poly Panels Qty: 14x	A1 – A14 
Example Poly Panel "B1" ● Place of Panel Number Engraving	
	
The engraving must be readable from inside the dome.	

Poly Panel Layout & Orientation

Panel Row	Quantity	Panel Row	Quantity
A	6	H	25
B	19	I	20
C	20	J	15
D	19	K	10
E	14	L	5
F	10	M	1
G	5		
Total			304

Door Panel Connector 4x (AA1, AA14 - Door 1 & AA7, AA8 -Door 2)



ATTENTION: Panel engravings must be readable from the inside of the dome.



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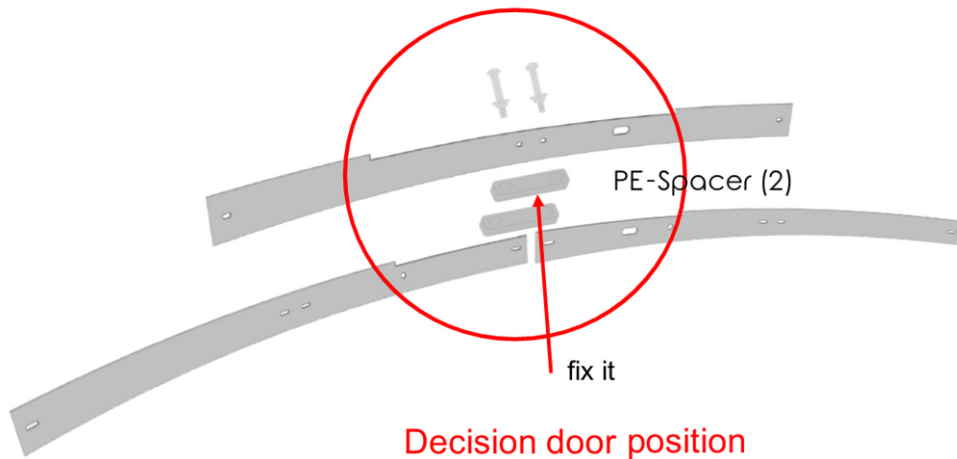
ASSEMBLY INSTRUCTIONS

Ring, Door & A-Row Assembly

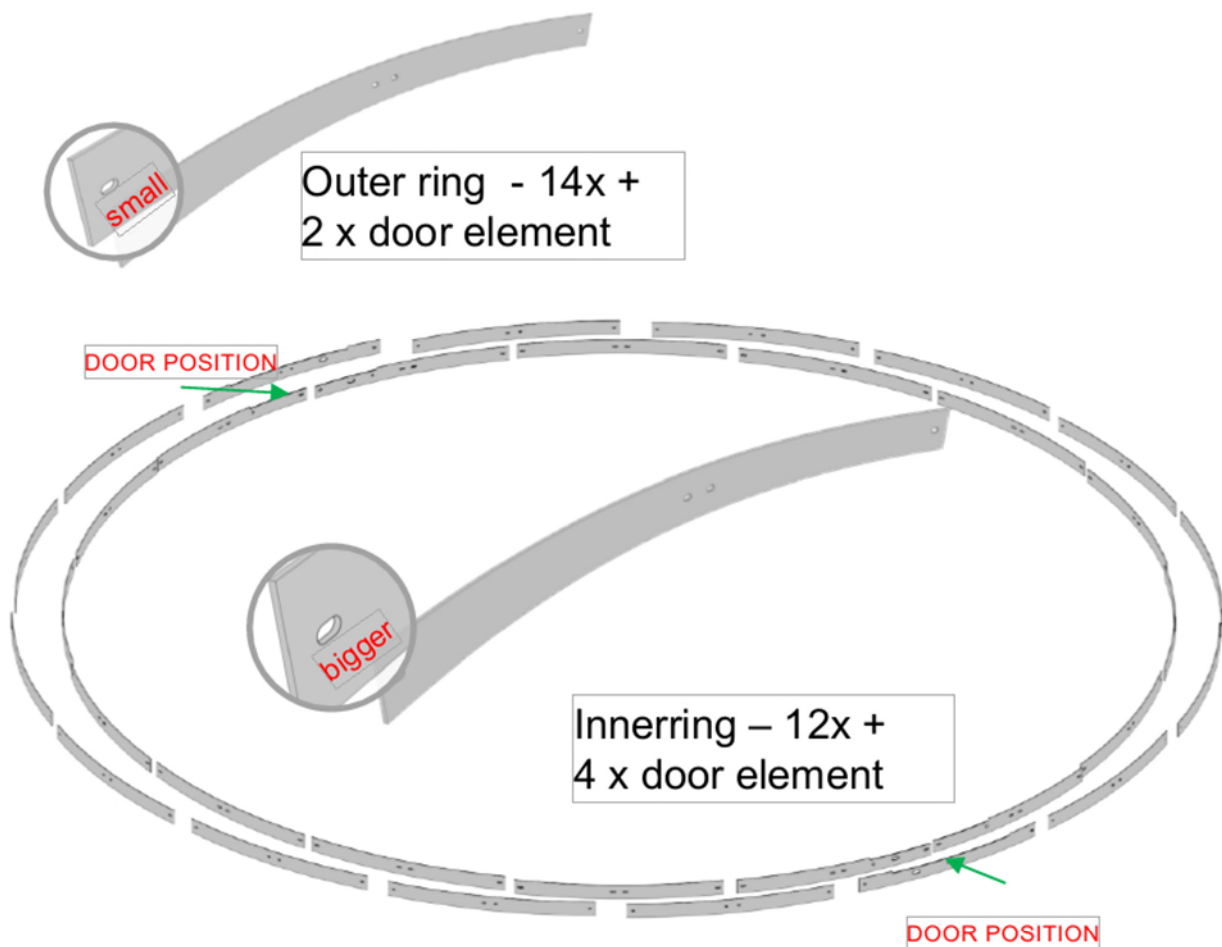
Phase 1 –

Rings, Door Frame & A-Row

2x DOOR POSITION

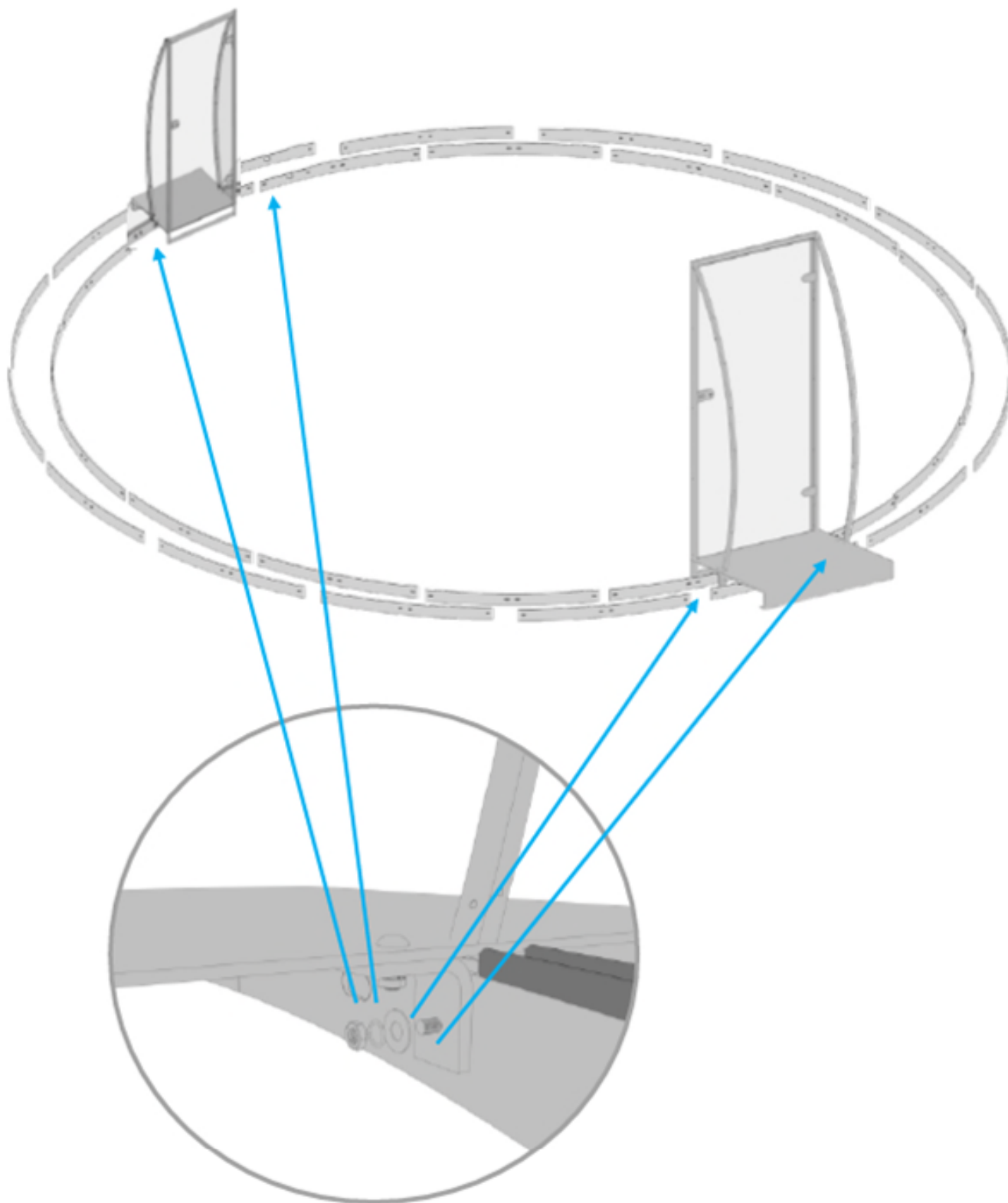


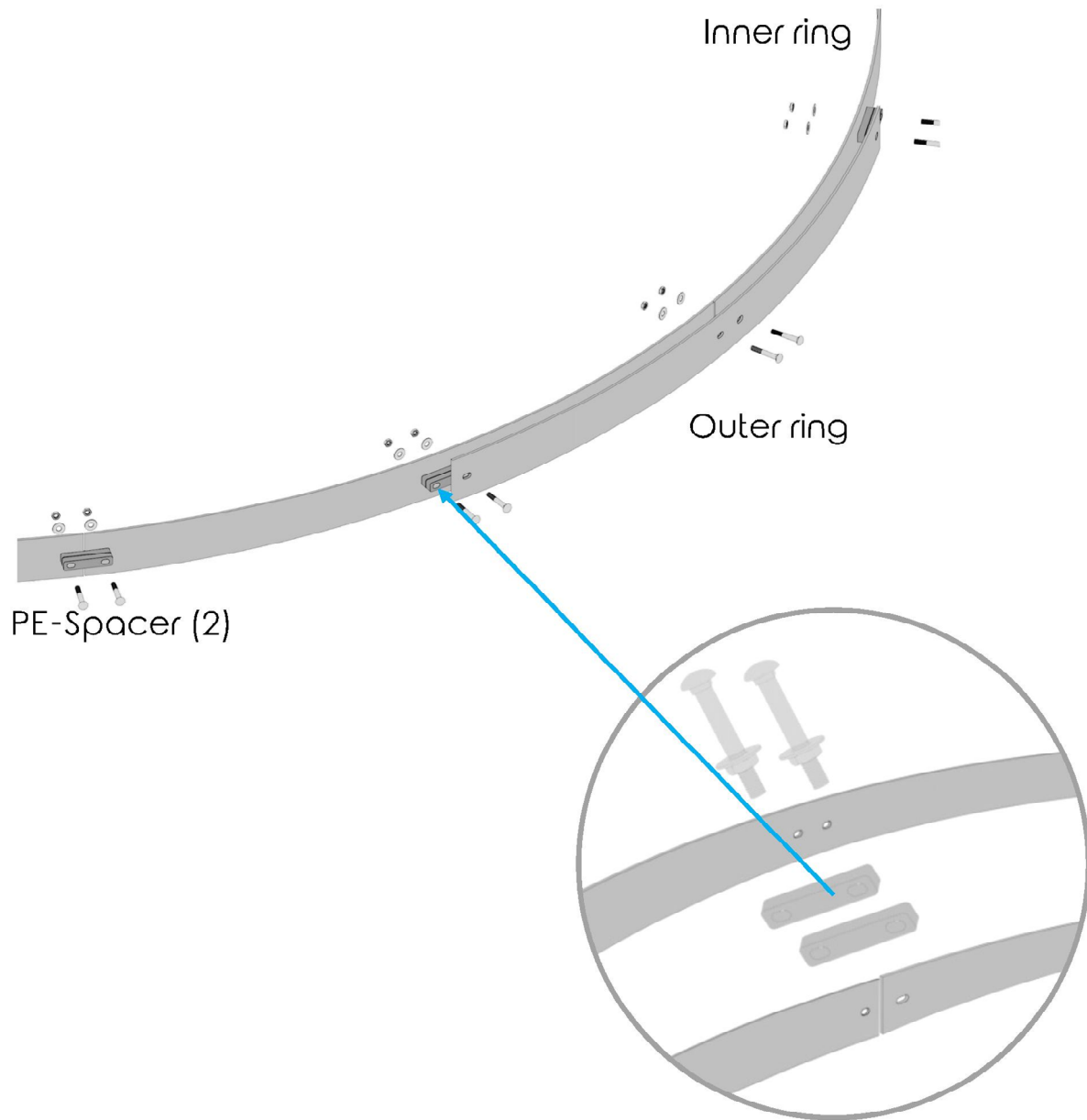
Position the Inner- and Outer Rings – Do Not Fasten Yet



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ASSEMBLY INSTRUCTIONS

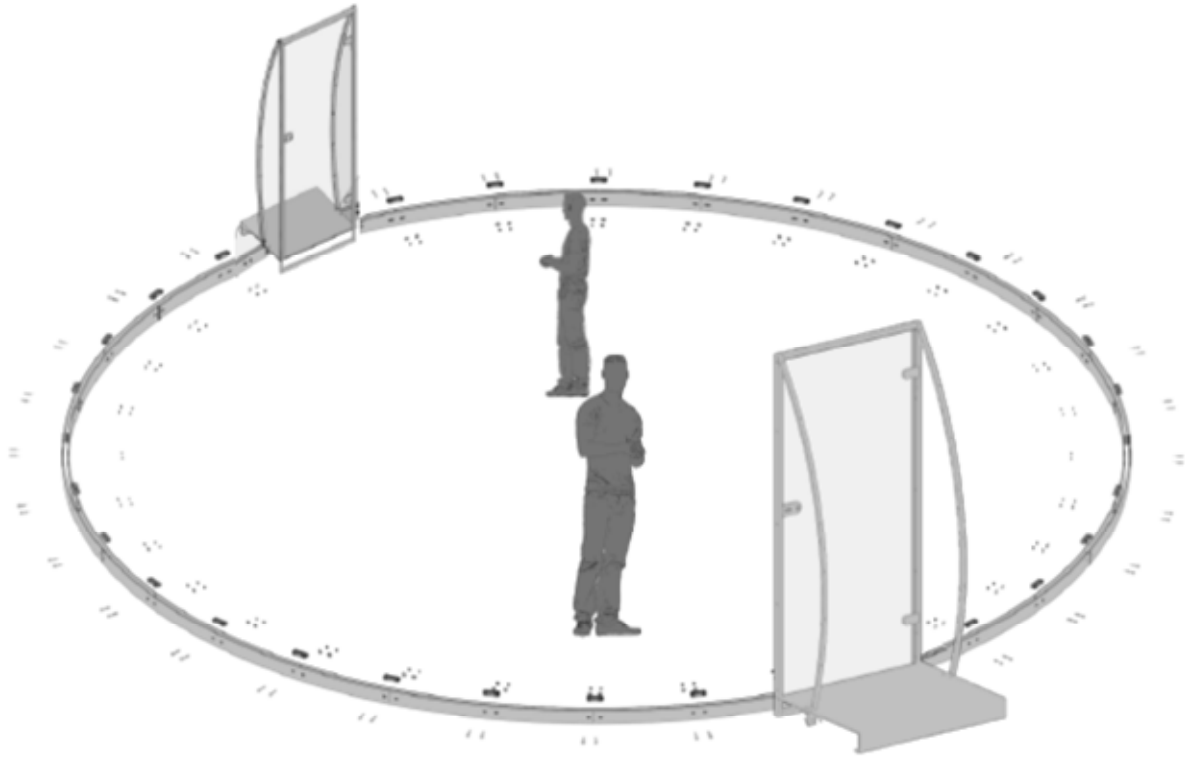




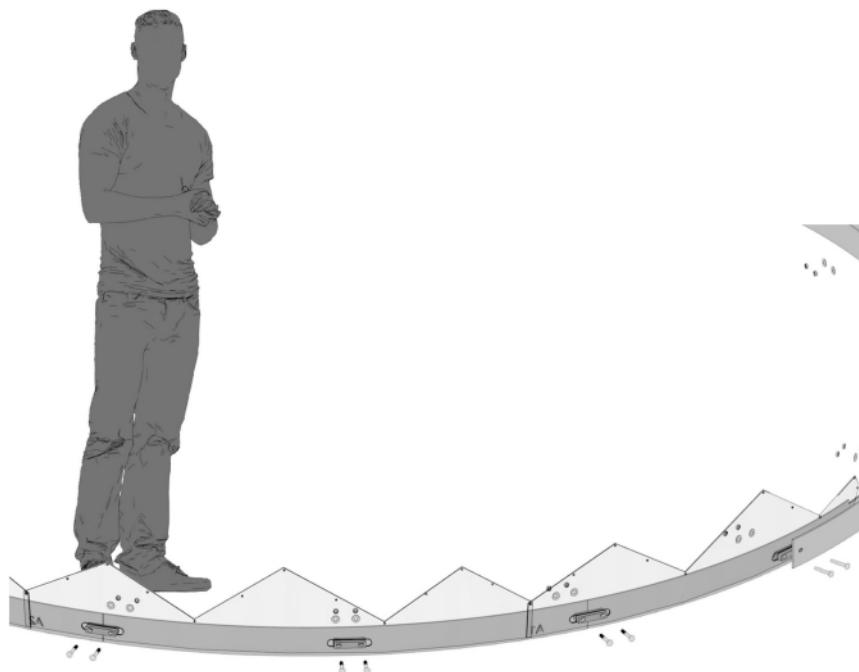
**Install 2 PE-Spacers at Each Connection Point –
Do Not Fasten Yet**

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ASSEMBLY INSTRUCTIONS



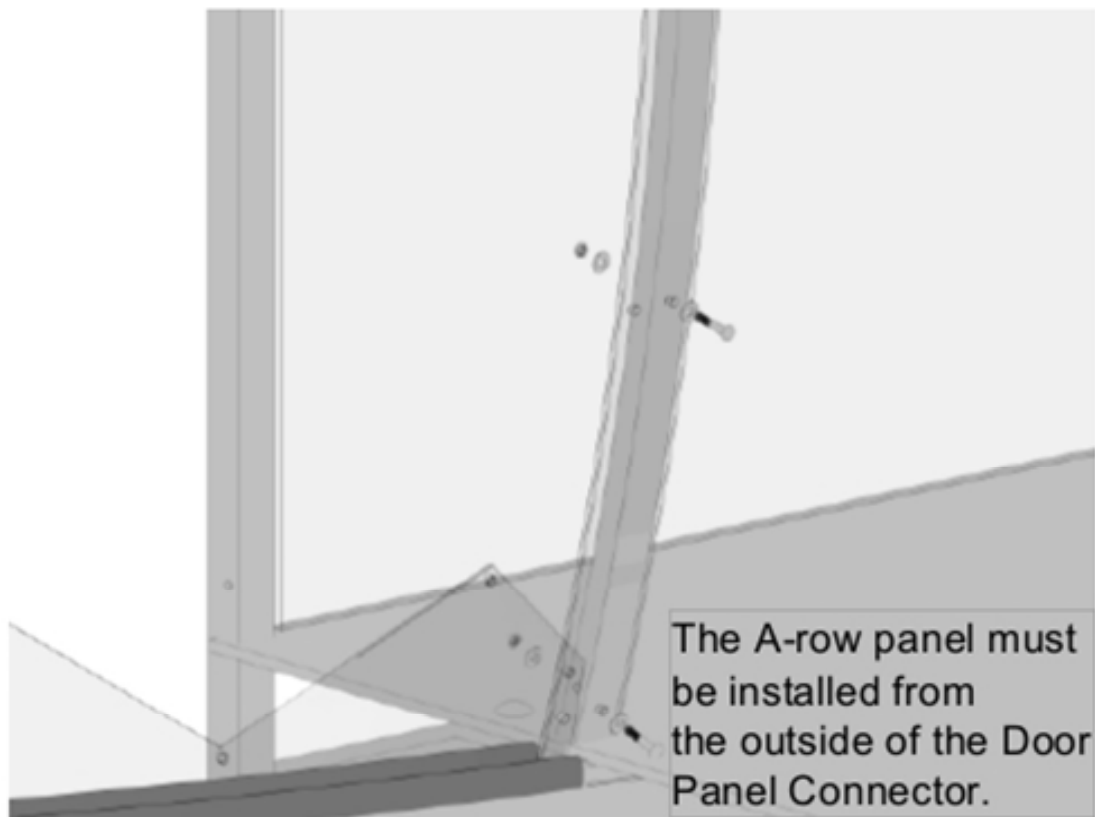
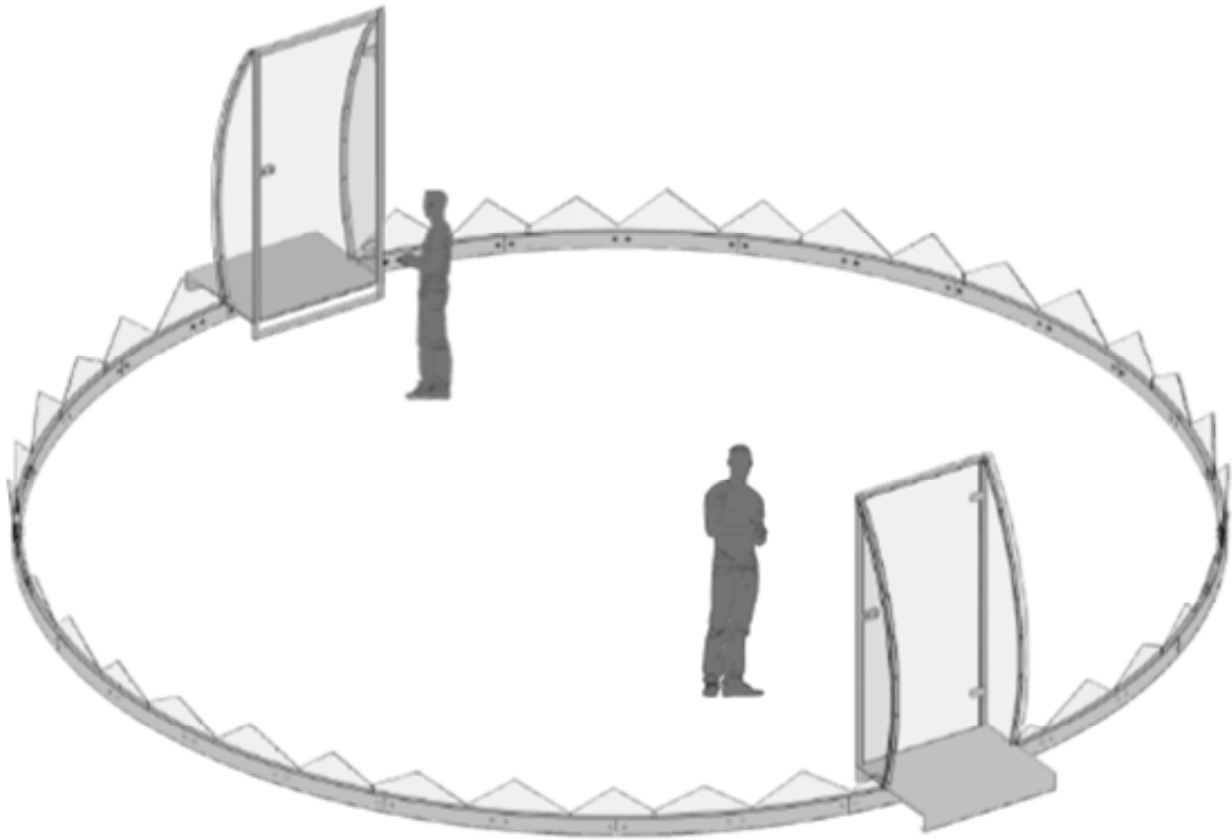
Position Two PE Spacers at Each Connection Point – Do Not Fasten Yet



Always Work from Inside the Dome

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ASSEMBLY INSTRUCTIONS

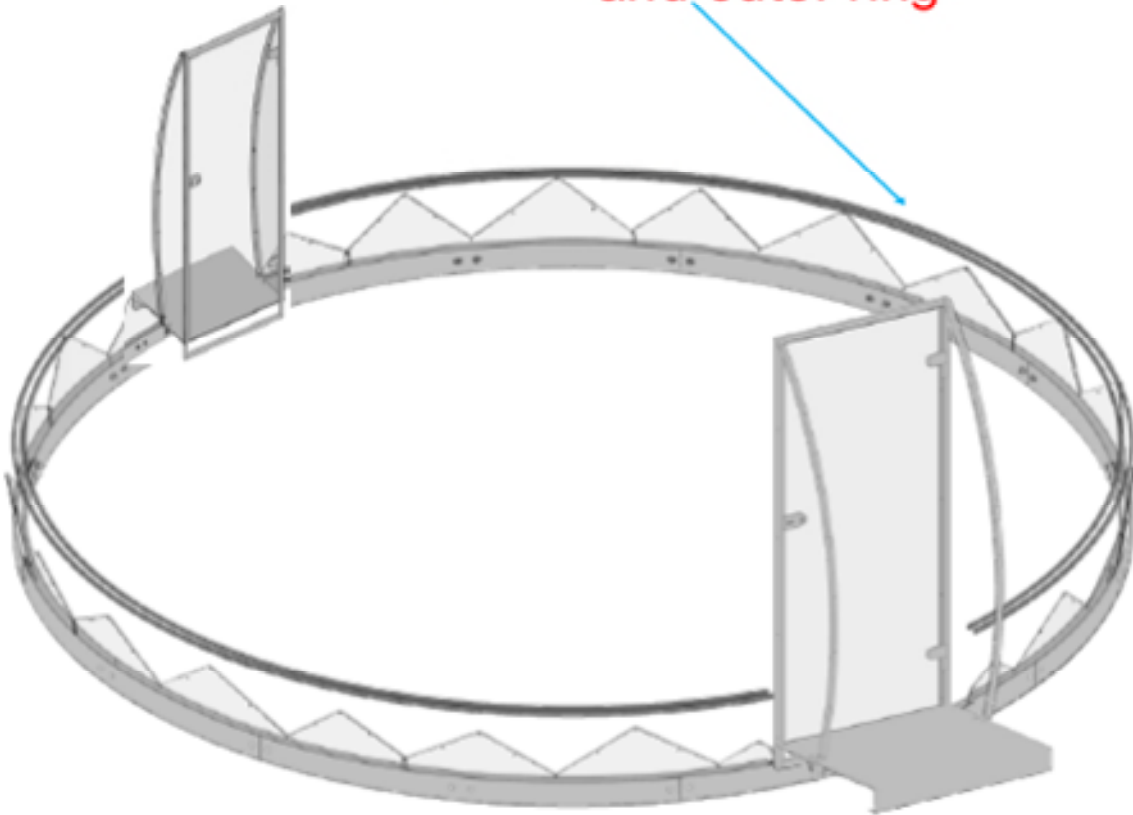


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ASSEMBLY INSTRUCTIONS

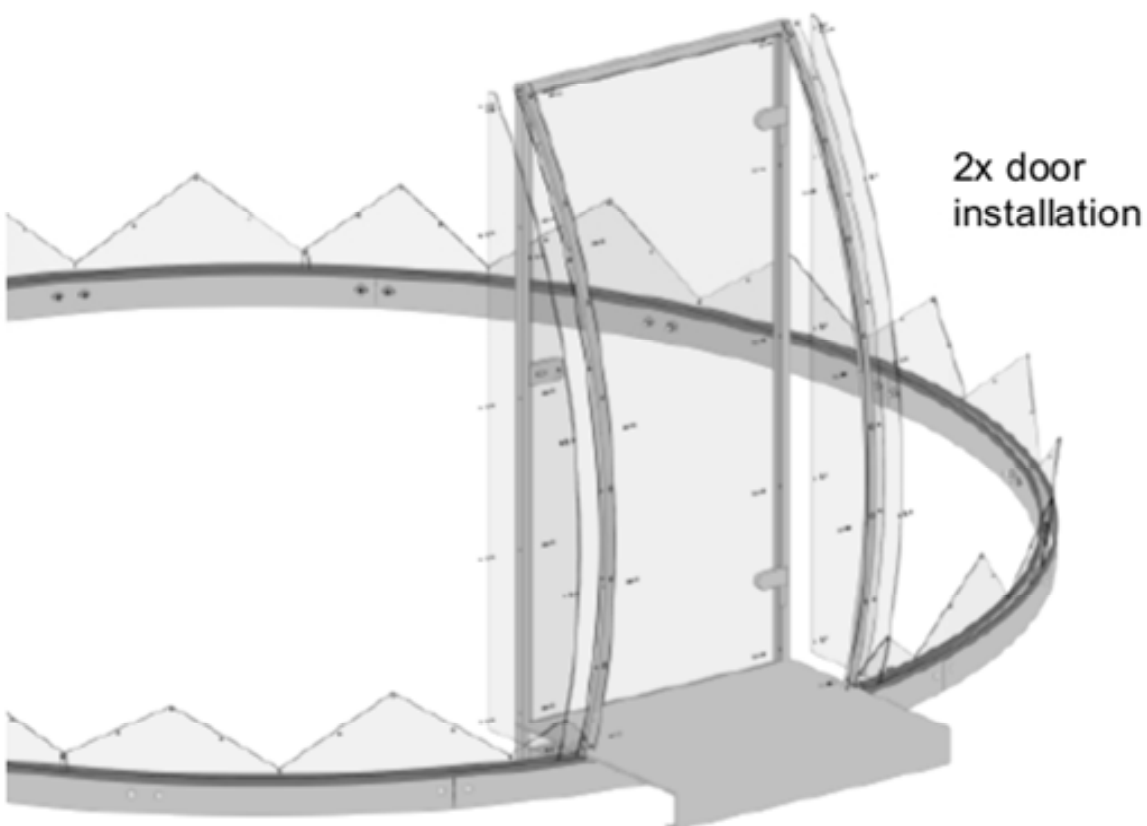
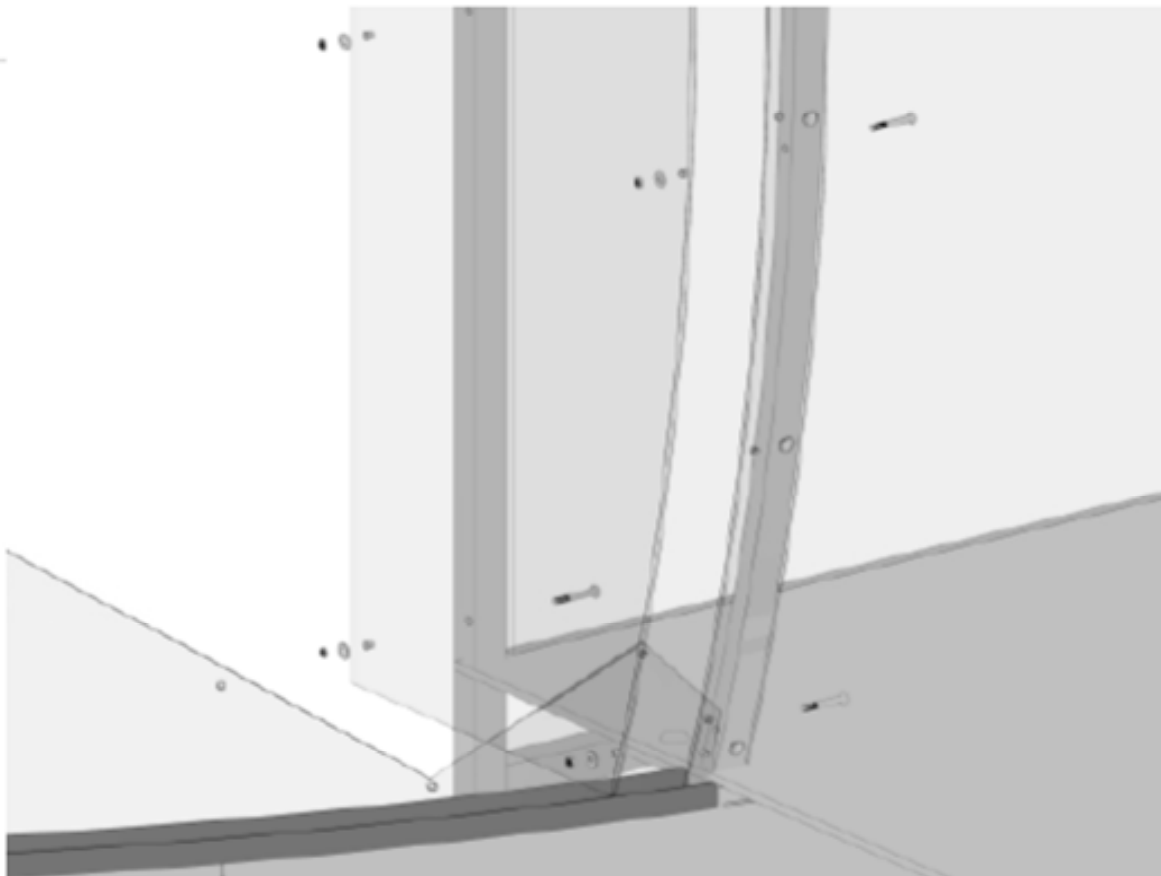


Install the edge trim on the inner
and outer ring

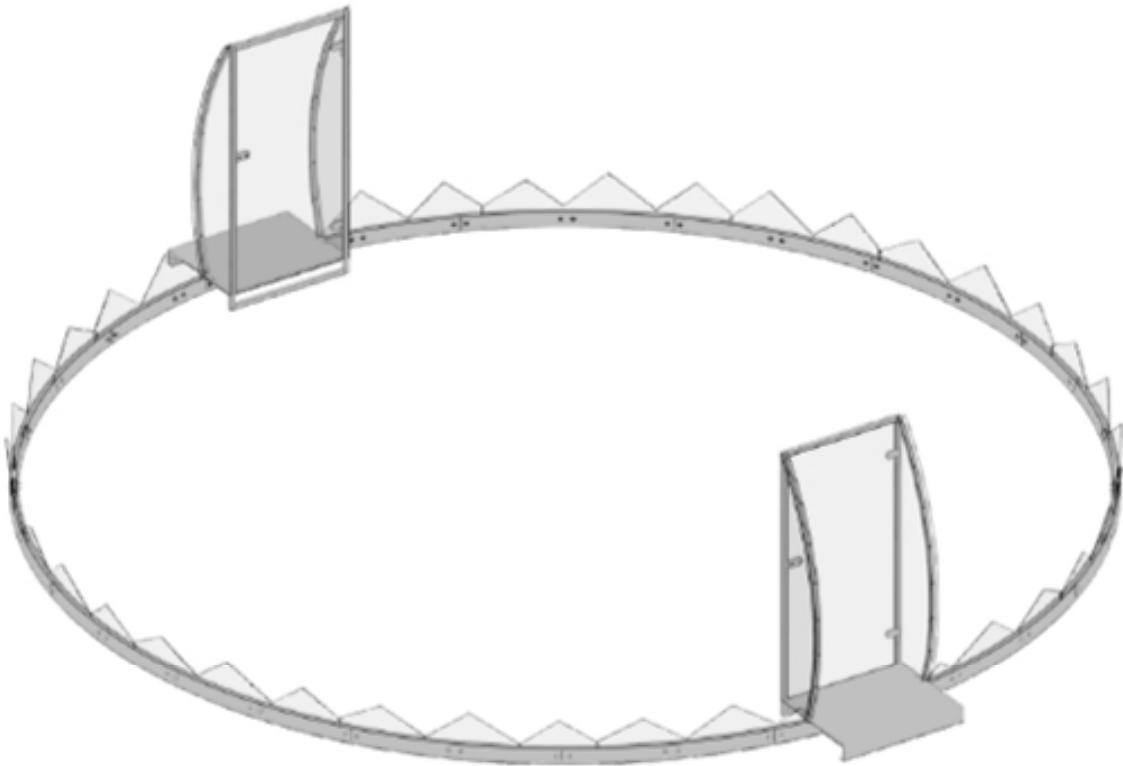


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ASSEMBLY INSTRUCTIONS



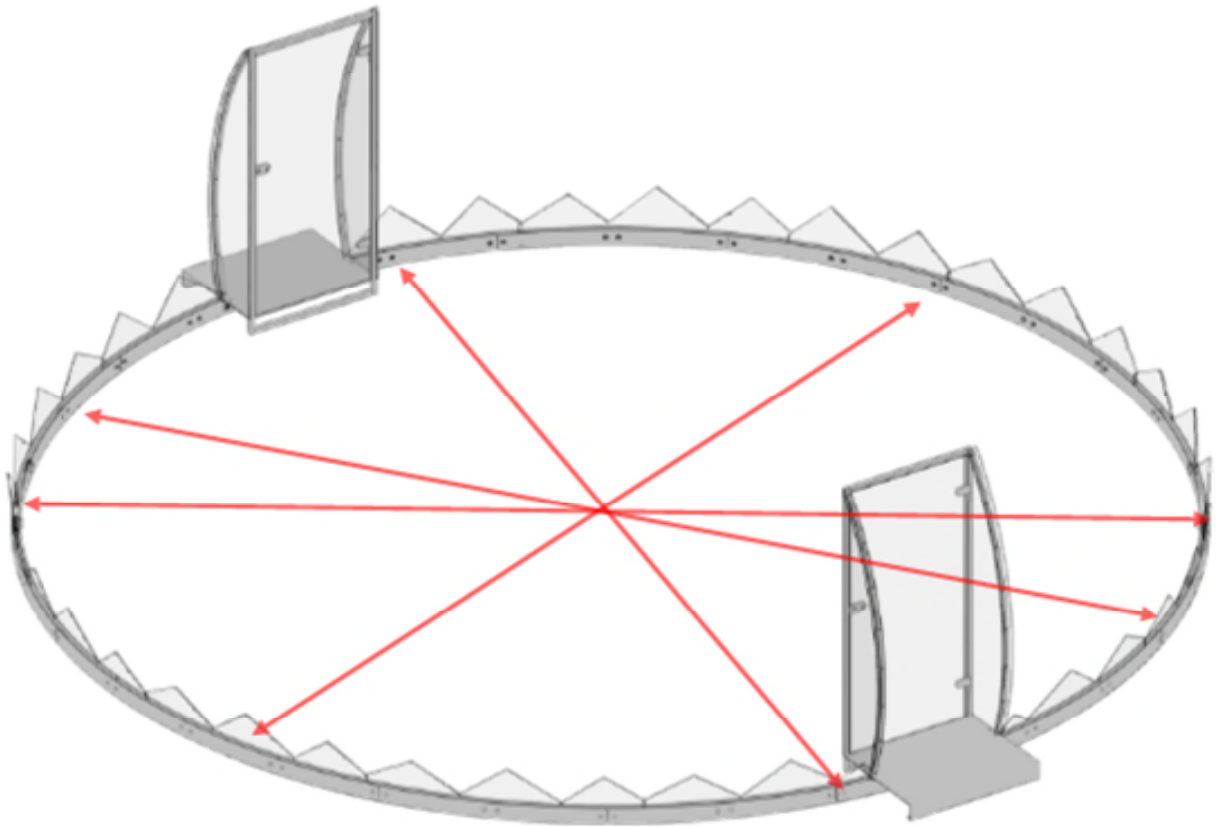
CHECK – BASE RINGS, DOORS & A-ROW



- Verify that two PE spacers are installed between the inner and outer base rings.
- Verify that the door positions are correct and that the door angles are securely fastened to the inner base ring.
- Verify that all A-Row panels (A1–A14) are correctly installed and fastened together with the inner and outer base rings using the PE spacers.
- Verify that all door side panels are securely fastened.
- Verify that the door connector panels (AA1–AA14 and AA7–A8) are correctly installed and securely fastened.
- Verify that the edge protection is installed on both the inner and outer base rings.
- Verify that the door handles and door locks are installed correctly.

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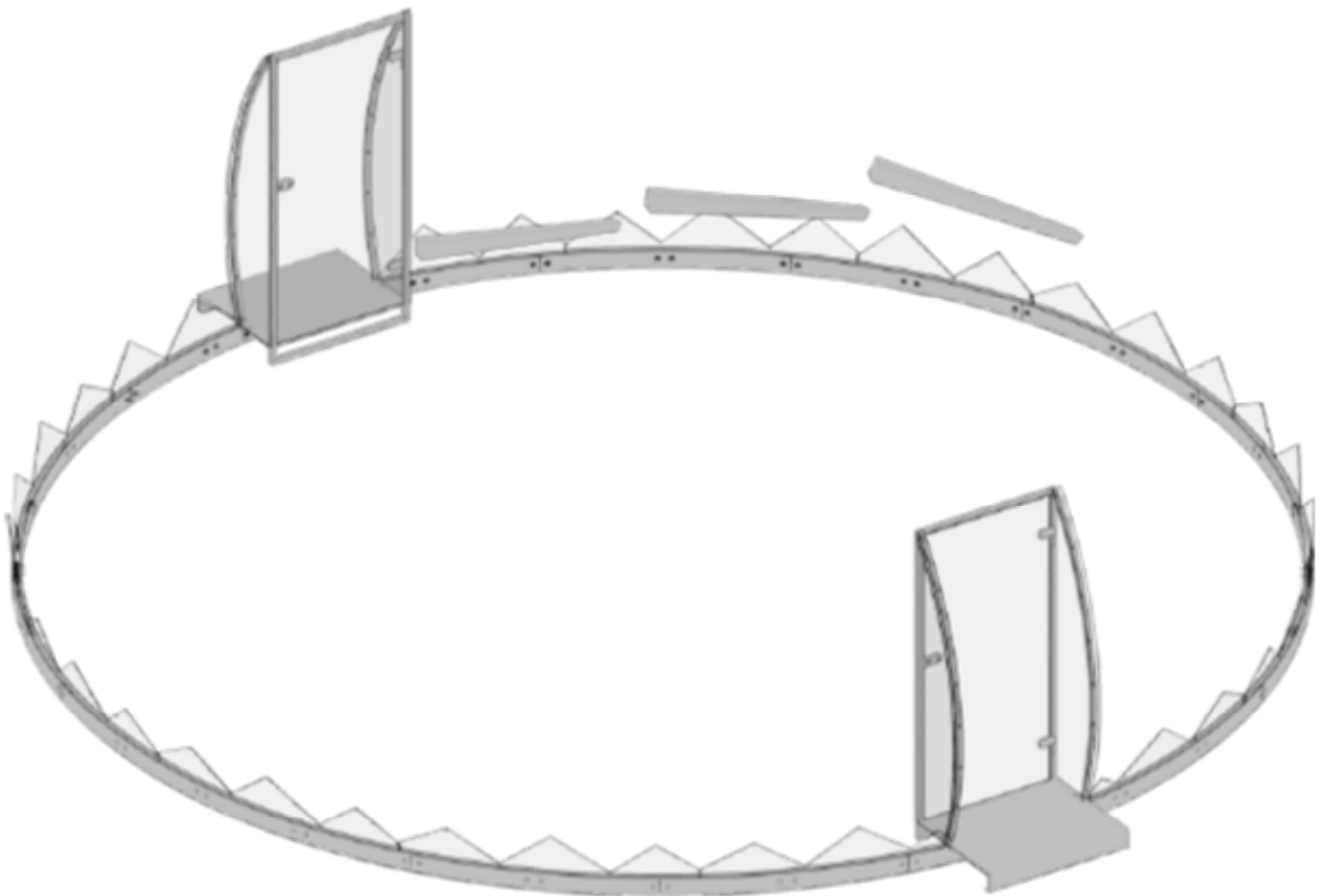
ASSEMBLY INSTRUCTIONS



CHECK THE INNER RING DIAMETER: 7.95 m (26 ft 1 in)

Install the Air Vent Filter

- Insert the filter between the Inner Ring and the A-Row.
- Press the filter firmly into position.
- Ensure the filter is seated evenly along its entire length.

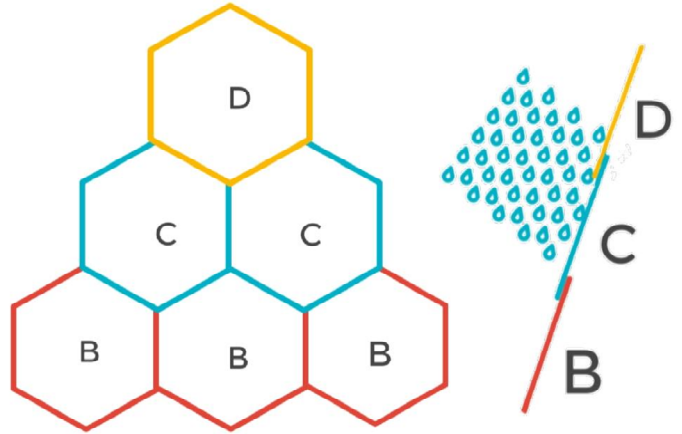
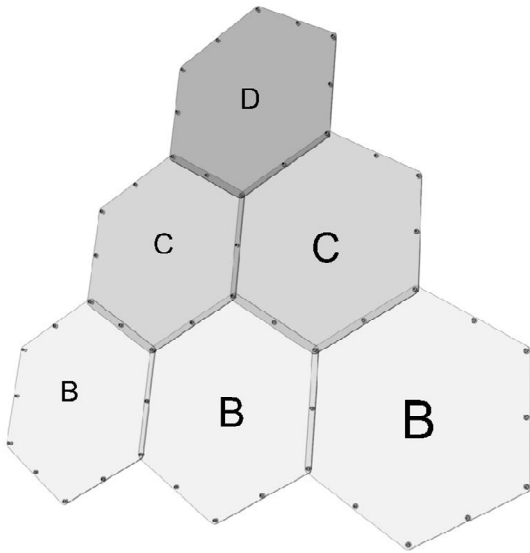




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ASSEMBLY INSTRUCTIONS

Panel Assembling from the Inside of the Dome



POLYCARBONATE PANEL INSTALLATION (SHINGLE PRINCIPLE)

Panel installation always begins at the bottom of the dome with **Row A**.

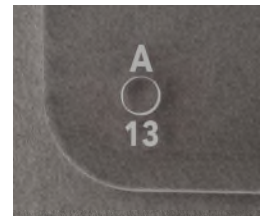
Install all subsequent rows using the **shingle principle**. Each new row overlaps the row below from the outside.

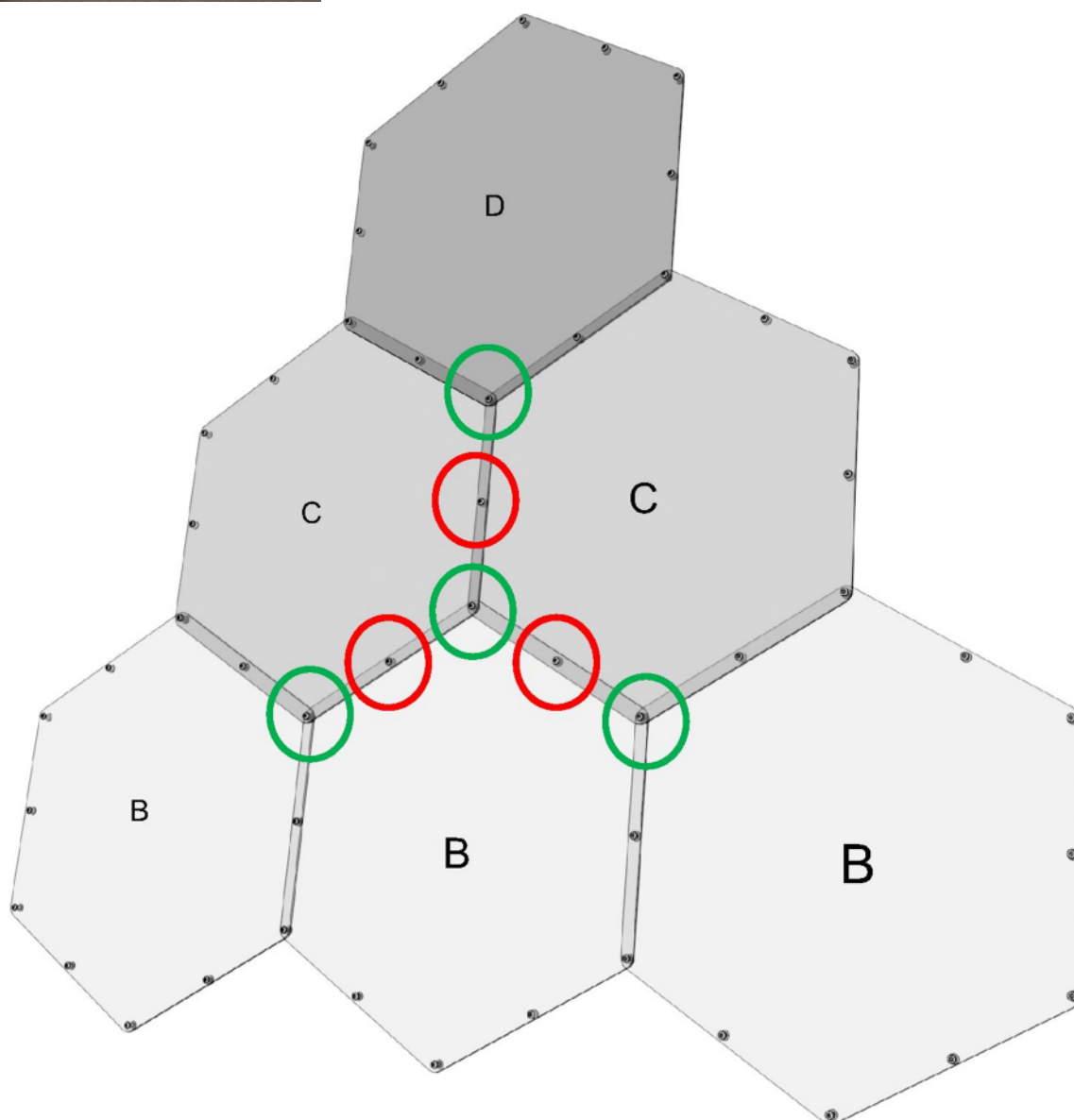
For example, **Row B** overlaps **Row A**, **Row C** overlaps **Row B**, and **Row D** overlaps **Row C**.

This overlapping method ensures proper water drainage and makes the dome weatherproof.

IMPORTANT

- Use **M5×16 long panel screws** where **three panels overlap**.
- Use **M5×12 short panel screws** where **only two panels overlap**.
- **Laser-marked panel numbers** must remain **visible from inside** the dome.
- The panel numbers are located at the **bottom center** or **bottom right** of each panel.
- Maintain the same overlap direction throughout the entire installation.
- Verify that each panel is correctly seated before tightening all screws.

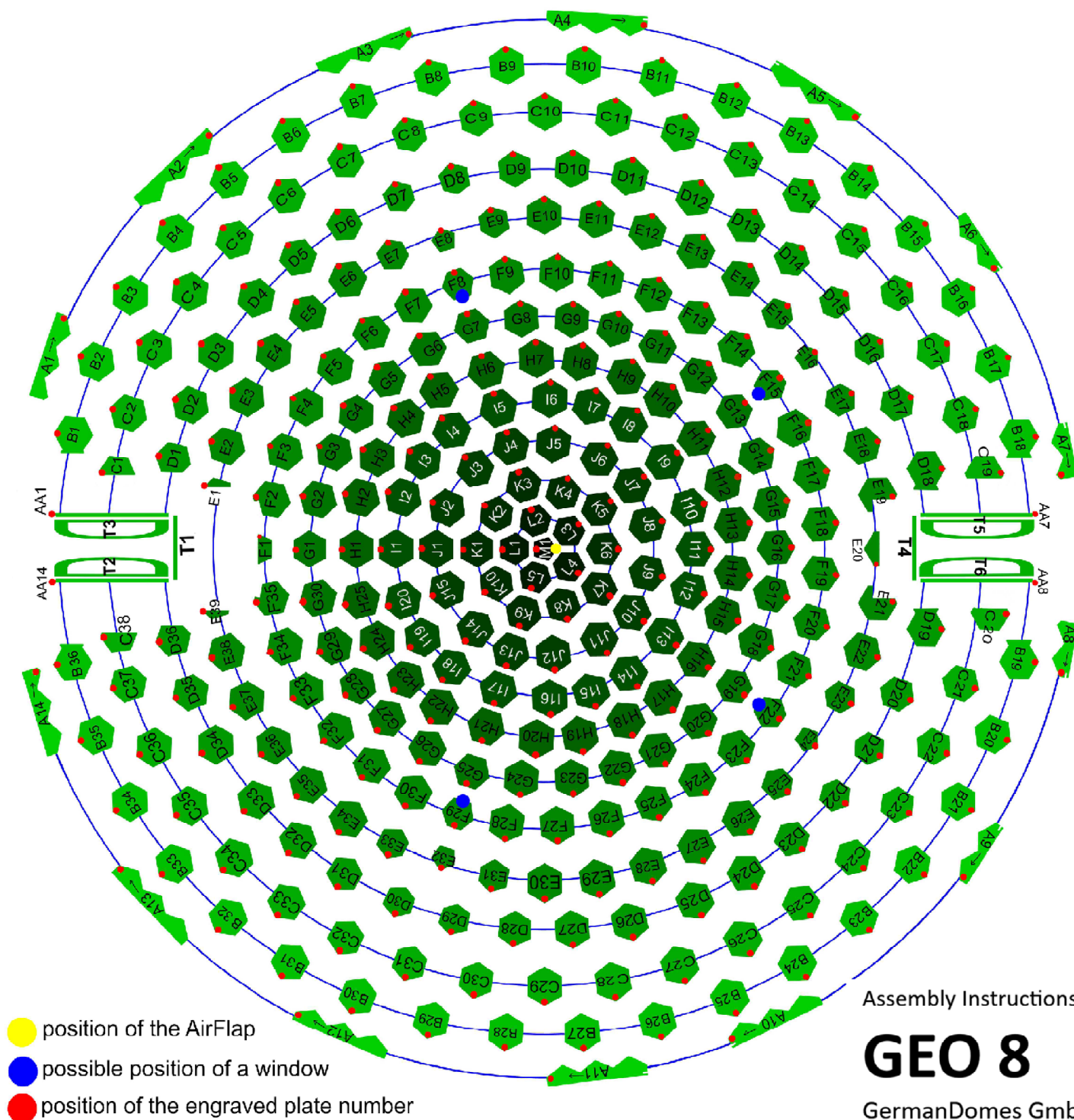




 **M5×16** Long Panel Screw, Used where three panels overlap

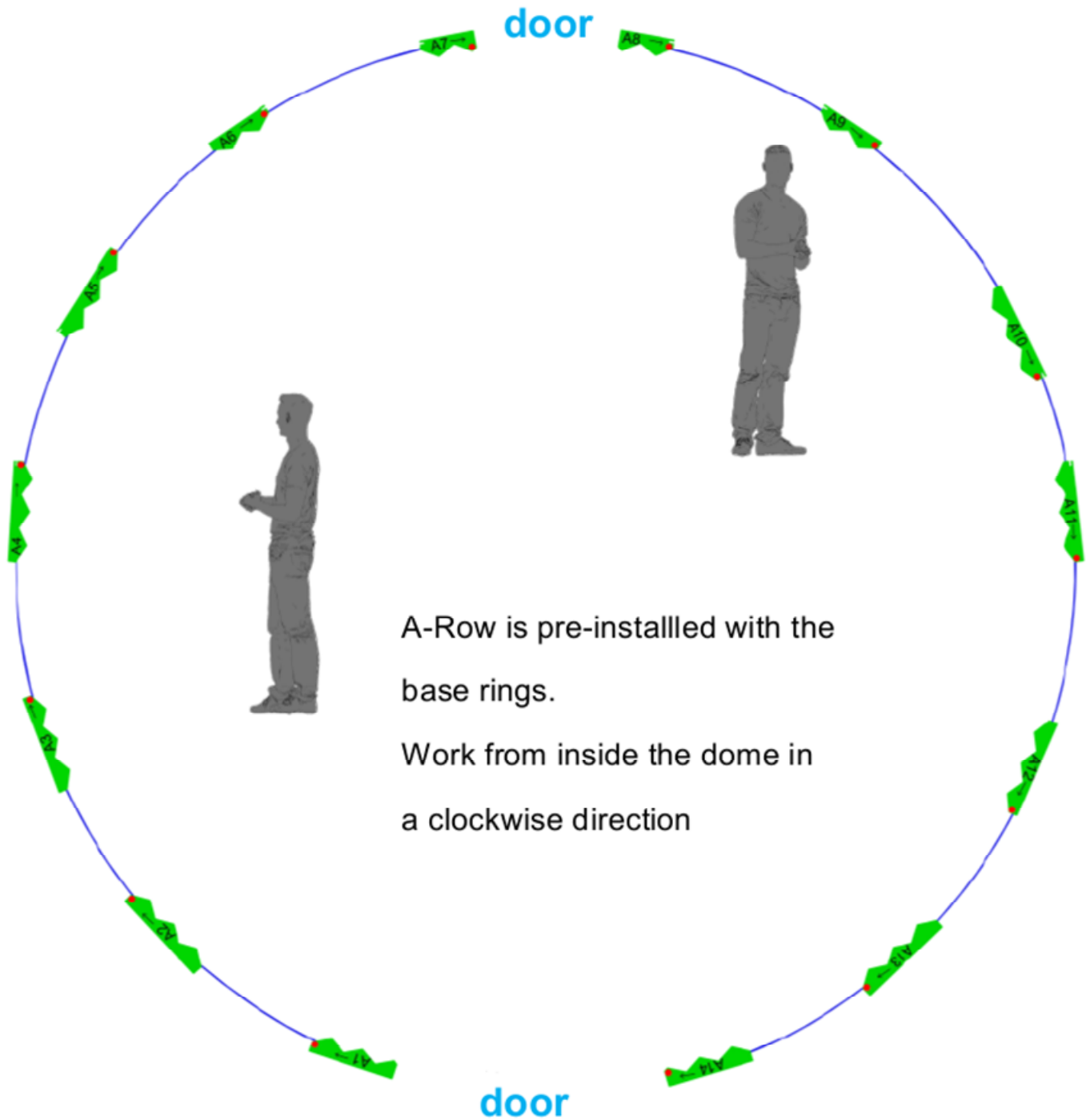
 **M5×12** Short Panel Screw, Used where two panels overlap

Reference Layout for Panel Positioning and Door Location



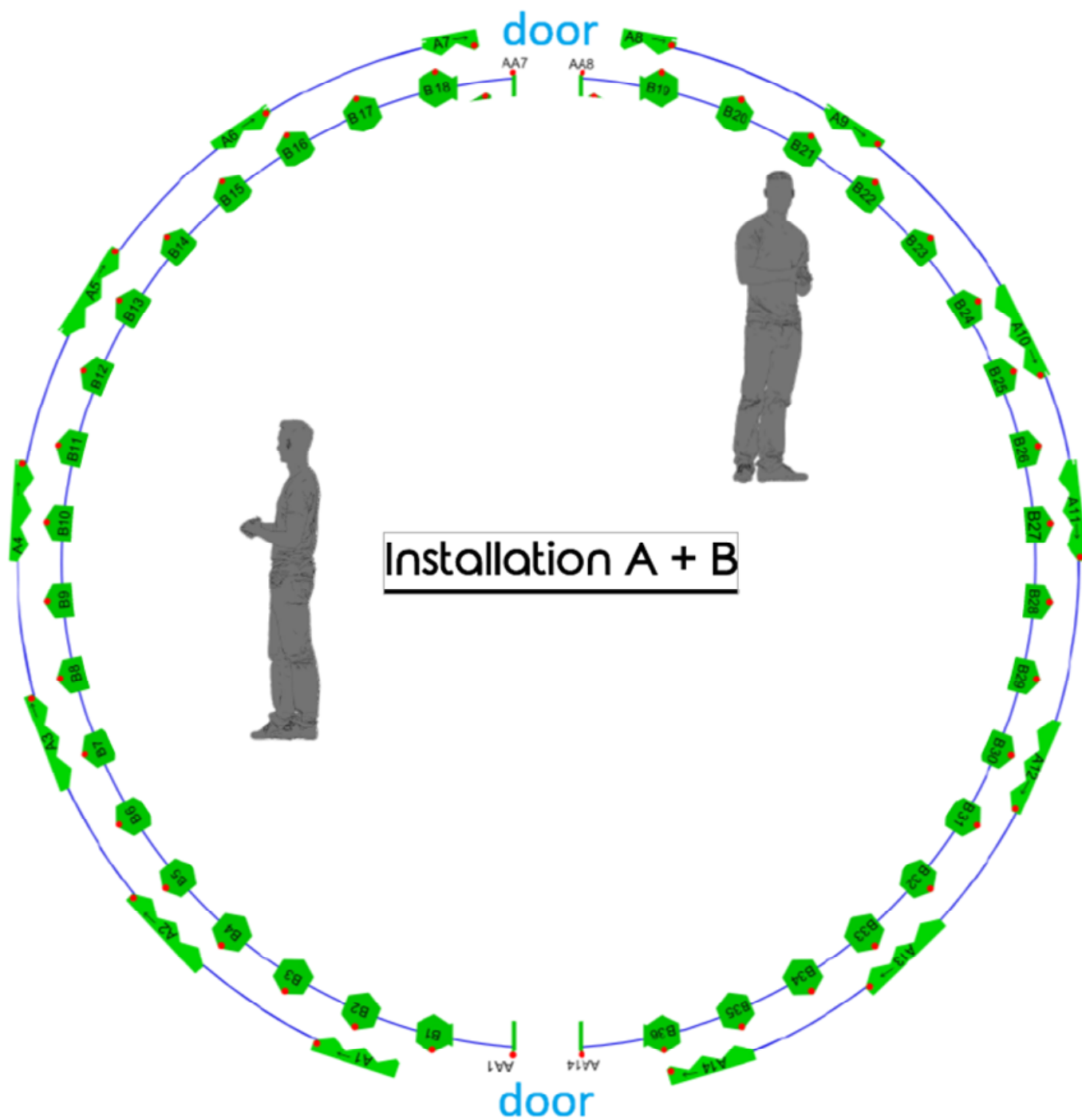
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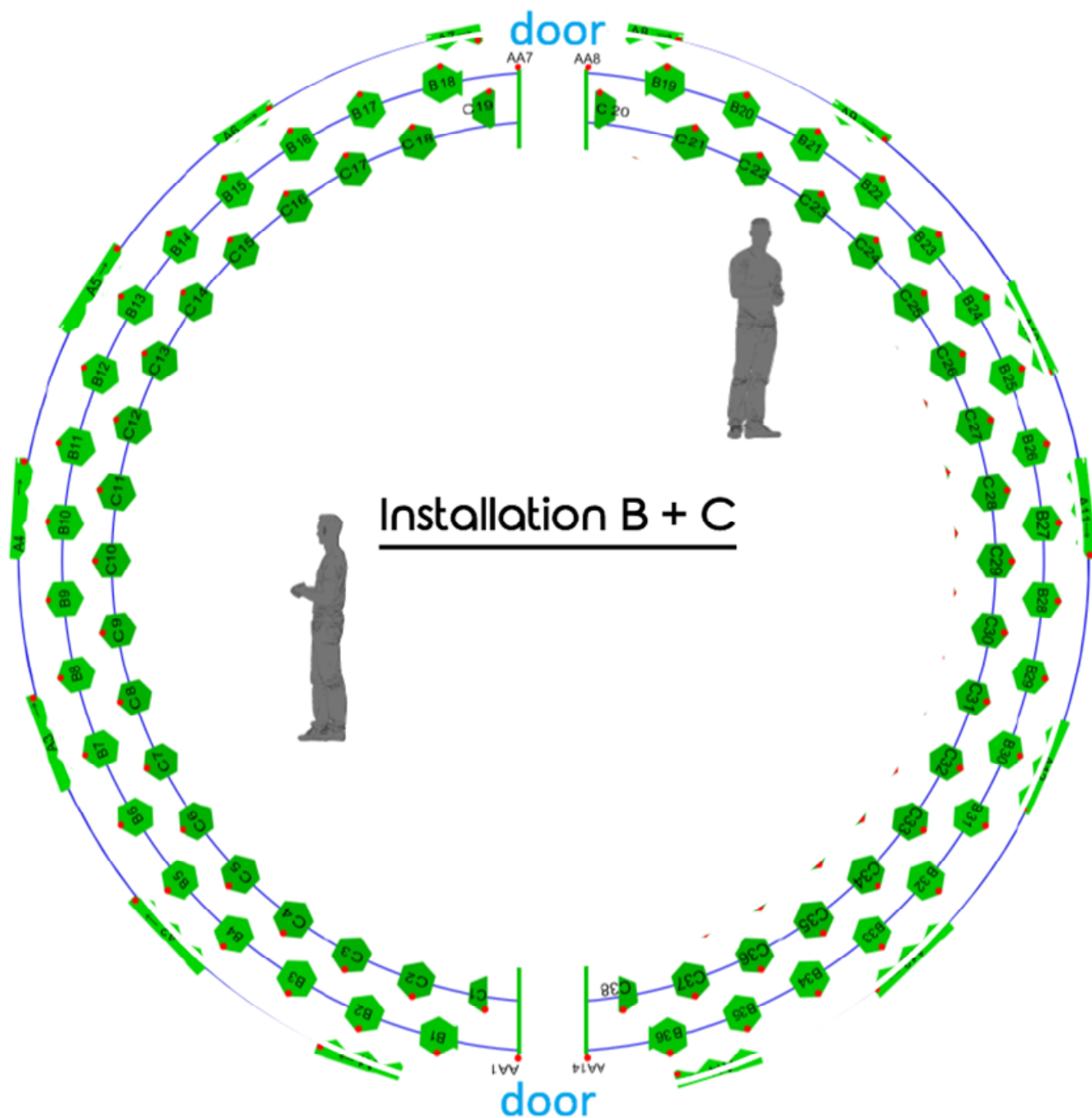
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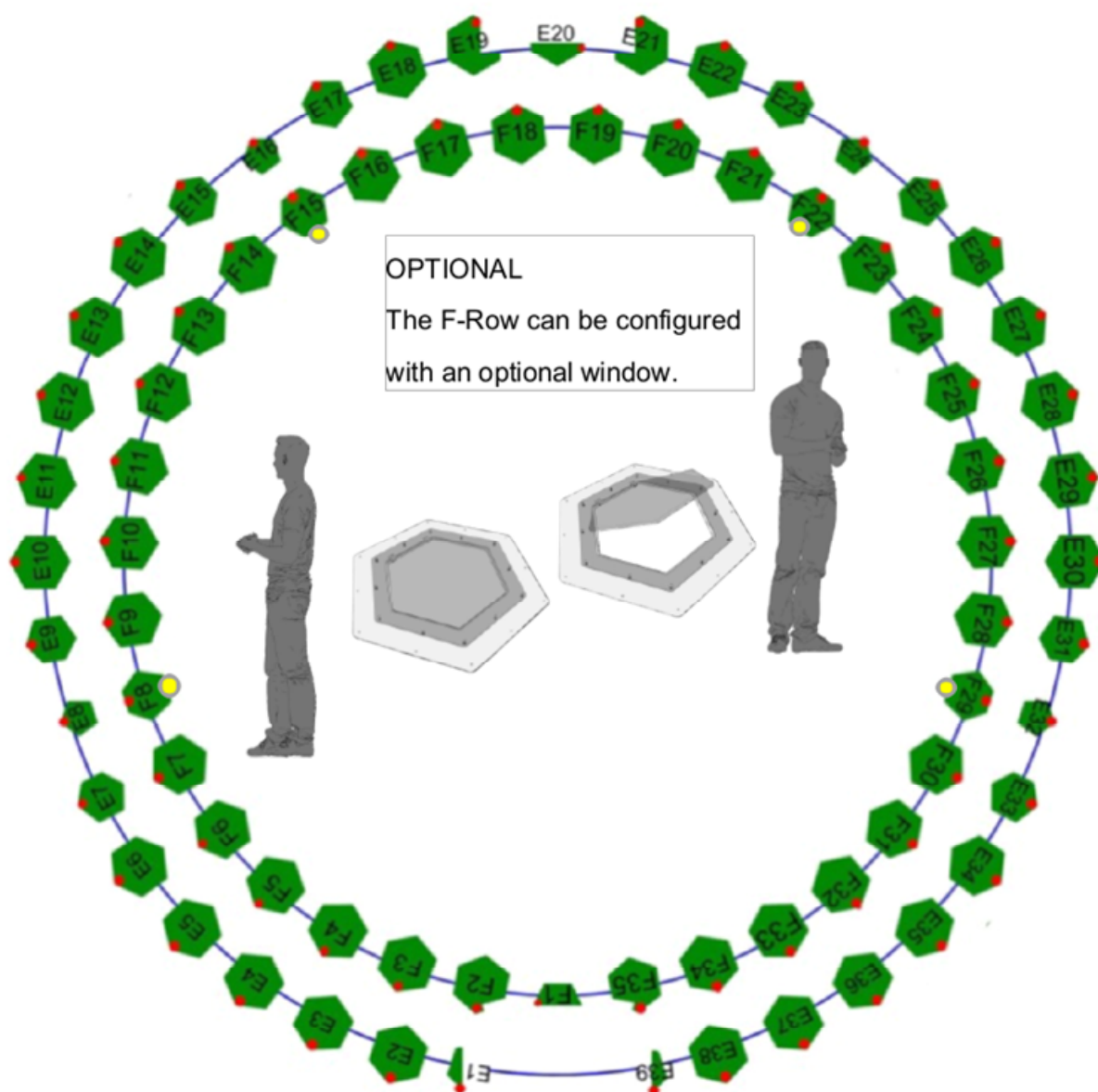
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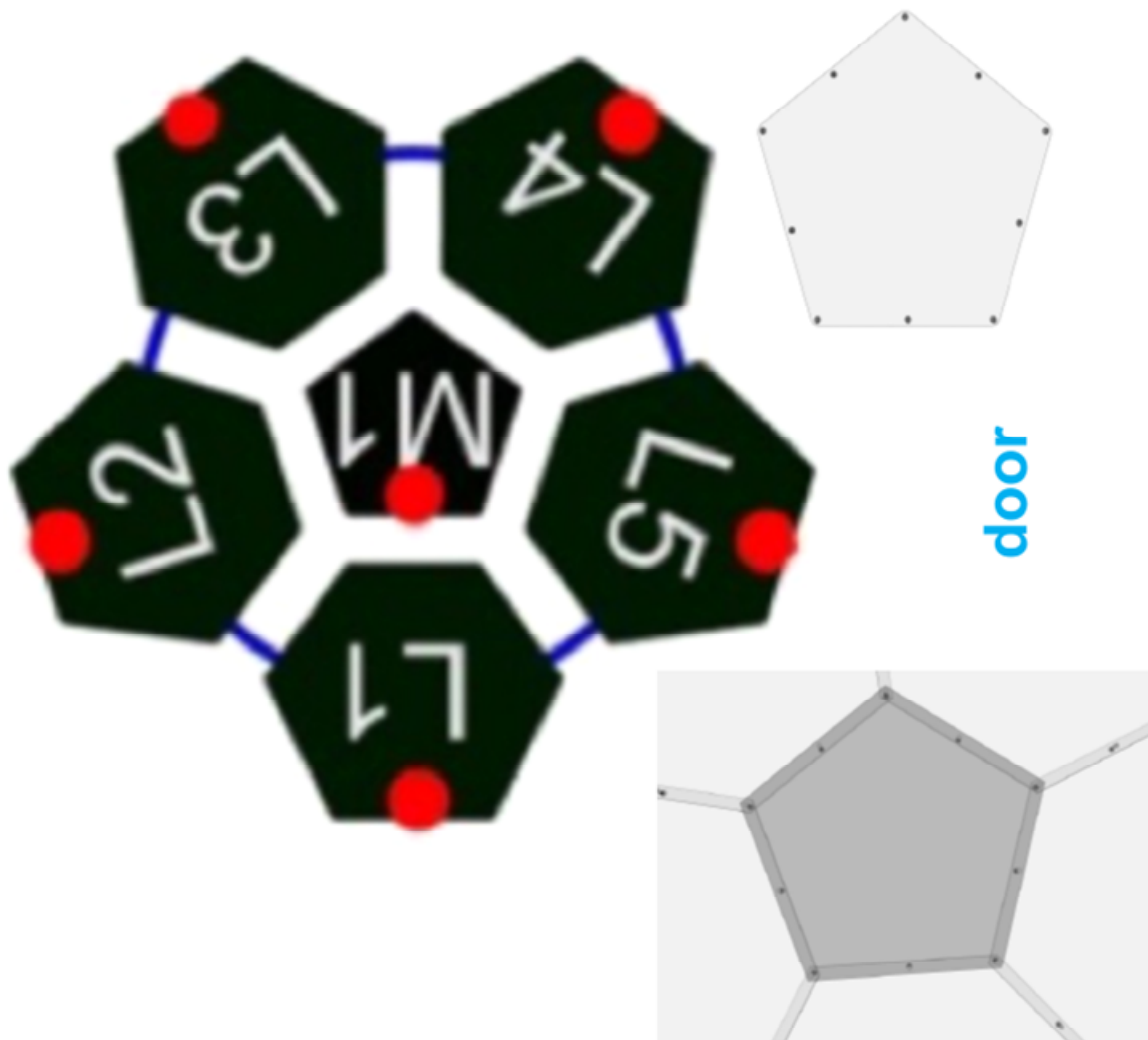
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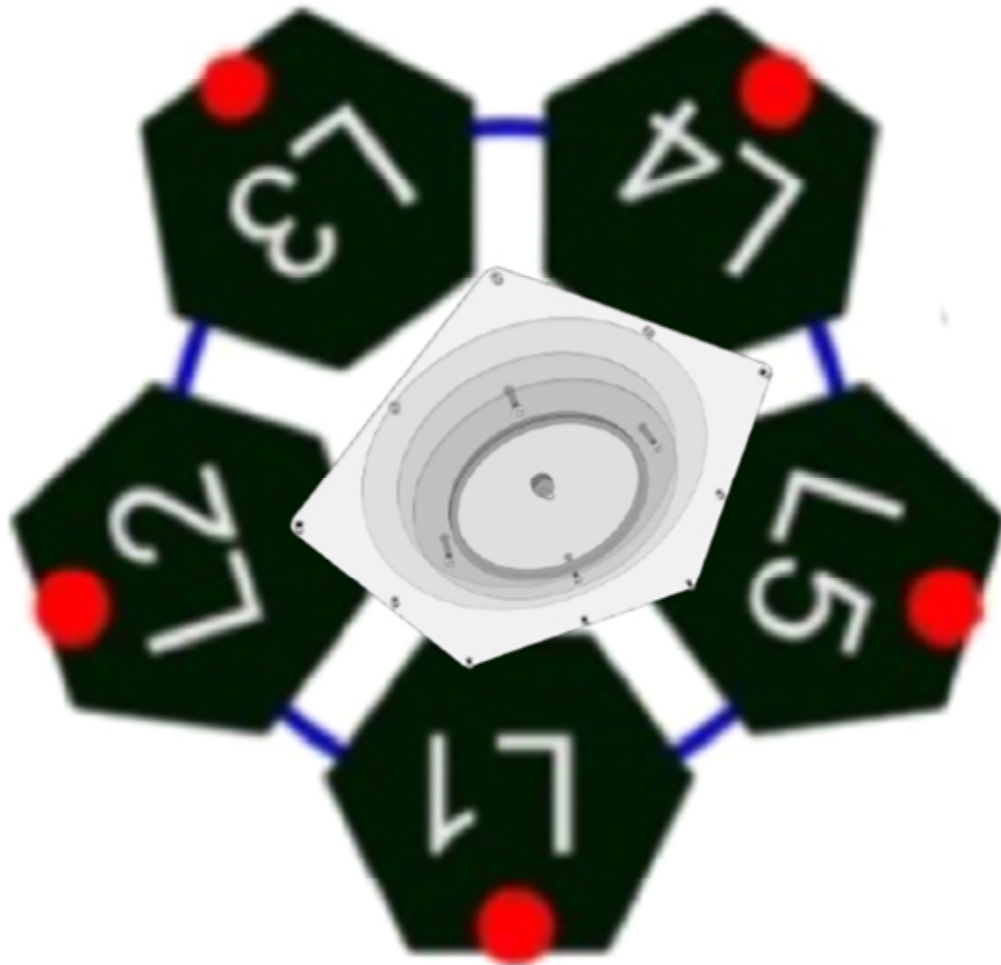
E-Row & F-Row Installation (Optional Window)

Installation L+M



- Install Panel M1 last. Use the vacuum suction cup to position the panel from inside the dome.
- The screws for Panel M are pre-installed and ready for final assembly.

Installation M with Optional Air Flap



- Optional Air Flap – Enhances natural ventilation and air circulation.
- Air Flap panel includes pre-installed screws



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ASSEMBLY INSTRUCTIONS

Warranty Information

Domazing warrants the GEO 8.0 dome components against defects in materials and workmanship under normal use and installation conditions.

This warranty does not cover:

- Improper installation or assembly
- Modifications or alterations to the product
- Damage caused by misuse, neglect, or improper maintenance
- Damage caused by extreme weather conditions beyond the product's design specifications
- Normal wear and tear

In the event of a warranty claim, please contact Domazing and provide:

- Order number
- Description of the issue
- Photographs of the affected component(s)

Warranty coverage and warranty period are subject to the terms specified in the original sales agreement and purchase documentation.

For warranty assistance, please contact Domazing directly.



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Contact Information

For technical support, warranty requests, spare parts, or general inquiries, please contact:

Domazing

Operated by Luxor Gate Capital LLC

Clearwater, Florida, USA

Website: domazing.us

Support: support@domazing.us