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DOMES FOR YOU

ENGINEERED & MANUFACTURED IN GERMANY BY GERMANDOMES

GEO 3.7

ASSEMBLY INSTRUCTIONS

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GEO 3.7

ASSEMBLY INSTRUCTIONS

Delivery & Preparation

Rings, Door Frame & A-Row

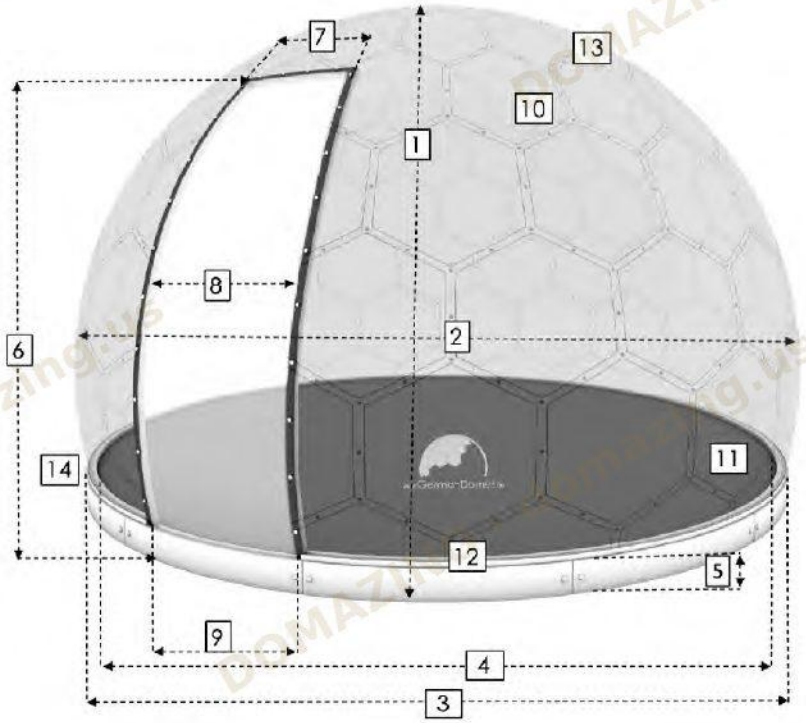
Panel Assembling from the Inside of the Dome

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ASSEMBLY INSTRUCTIONS



Technical Specifications

1 Overall Height: approx. 8 ft (242 cm)

2 Dome Diameter: approx. 12 ft (370 cm)

3 Outer Ring Diameter: approx. 12 ft (363 cm)

4 Inner Ring Diameter: approx. 11 ft 7 in (353 cm)

5 Ring Height: approx. 4 in (10 cm)

6 Door Frame Height: approx. 6 ft 3 in (190 cm)

7 Door Width, Top: approx. 19 in (49 cm)

8 Door Width, Center: approx. 27 in (69 cm)

9 Door Width, Bottom: approx. 27 in (68 cm)

10 Interior Volume: approx. 670 ft^3 (19 m^3)

11 Usable Floor Area: approx. 105 ft^2 (9.8 m^2)

12 Floor Footprint: approx. 111 ft^2 (10.34 m^2)

13 Polycarbonate Panel Thickness: approx. 1/8 in (3 mm)

14 Foundation Ring Circumference: approx. 37 ft 5 in (1140 cm)

15 Total Weight: approx. 750 lb (340 kg)

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GEO 3.7
ASSEMBLY INSTRUCTIONS

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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Delivery & Preparation

Safety Instructions

Please read this manual completely before beginning assembly of the GEO3.7 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

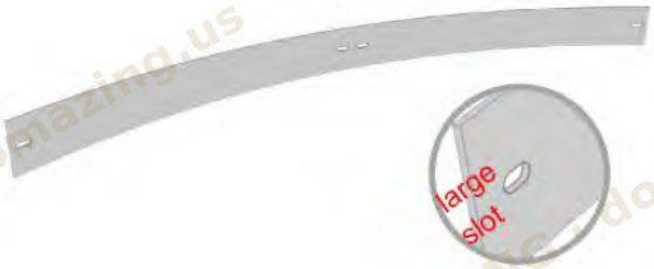
Failure to follow these instructions may result in property damage, personal injury, serious injury, or death.

Packing List / Parts Overview

Customer: _____

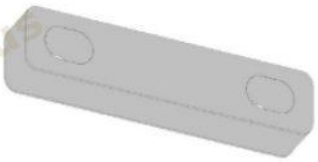
Component	Description	Qty	Checked
RING COMPONENTS			
Outer Ring Sections		6	☐
Inner Ring Sections		6	☐
M12 Bolts	M12	28	☐
PE Spacer	Ring	22	☐
PE Spacer	Door / Long	1	☐
PE Spacer	Door / Short	2	☐
DOOR			
Door Assembly		1	☐
Rubber Straps	Black	2	☐
PANELS	Row		
	A	6	
	B	19	
	C	20	
	D	19	
	E	14	
	F	10	
	G	5	
	H	1	
	TOTAL	**94**	☐
ADDITIONAL COMPONENTS			
Edge Protection	2 x 11 m (2 * 36.1ft)	1	☐
Microfilter	11m (36.1ft)	1	☐
Suction Cup	Panel H	1	☐
Screws	M5 x 12 TX25 Short	320 pcs / 0.9 kg (2.0 lbs)	☐
Screws	M5 x 16 TX25 Long	200 pcs / 0.7 kg (1.5 lbs)	☐
M5 Combination Nuts	M5 / 15 mm	500 pcs / 1.25 kg (2.8 lbs)	☐

Ring Components

Component	Quantity	Reference Image
Outer Ring Section Small elongated hole	5	
Outer Ring Door Section Electrical access opening	1	
Inner Ring Section Large elongated hole	4	
Inner Ring Door Section Electrical access opening	2	

GEO 3.7

ASSEMBLY INSTRUCTIONS

Component	Quantity	Reference Image
PE Spacer Ring	22	
PE Spacer Door Long	1	
PE Spacer Door Short	2	
M12 Bolt	28	

Component	Quantity	Reference Image
Edge Protection (Black)	2pcs x 11m (72.2 ft total)	

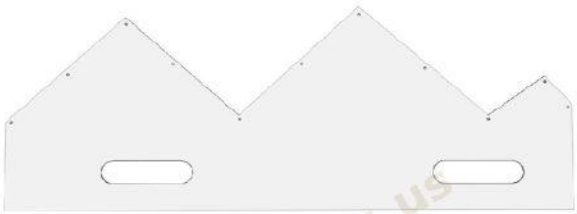
Door Components

Component	Quantity	Reference Image
Door Element) Door Panel Connector Pre-Installed)	1	
Zipper Pull Bungee	1	
Eye Bolt (Pre-Installed)	2	

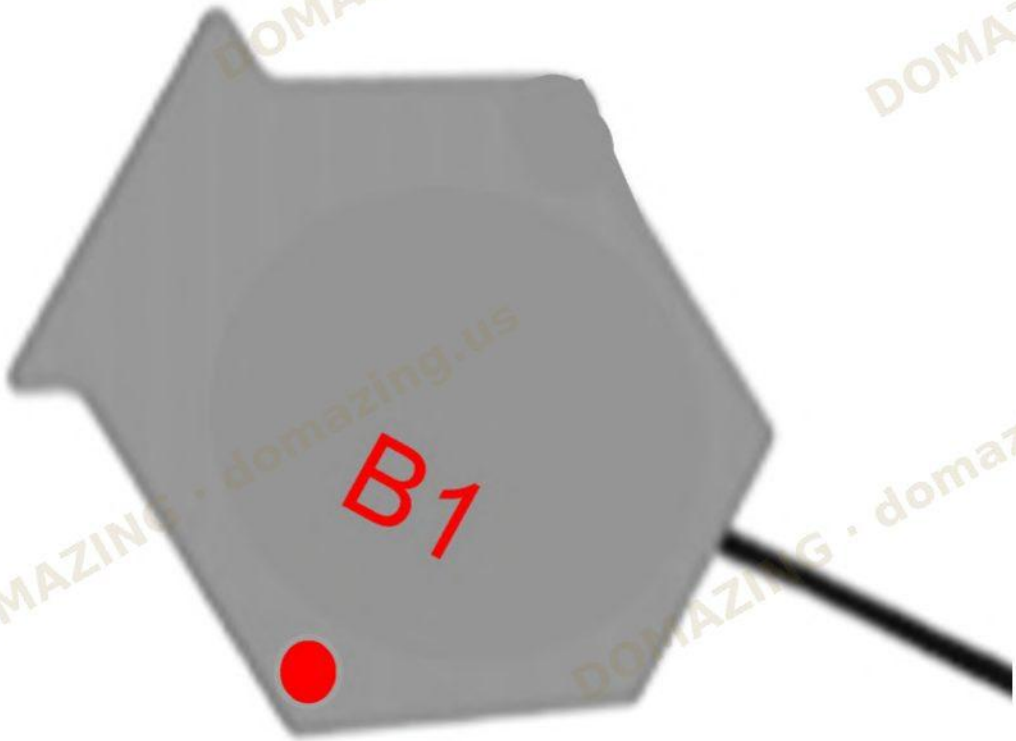
Filter & Fastener Components

Component	Quantity	Reference Image
Air Filter	36.1 ft (11 m)	
M5 × 12 Panel Screws	320 pcs	
M5 × 16 Panel Screws	200 pcs	
M5 Panel Nuts	500 pcs	

Panel Identification Guide & Orientation

A Poly Panels Qty: 6x	A1 – A6 

Example Poly Panel "B1" **Place of Panel Number Engraving**

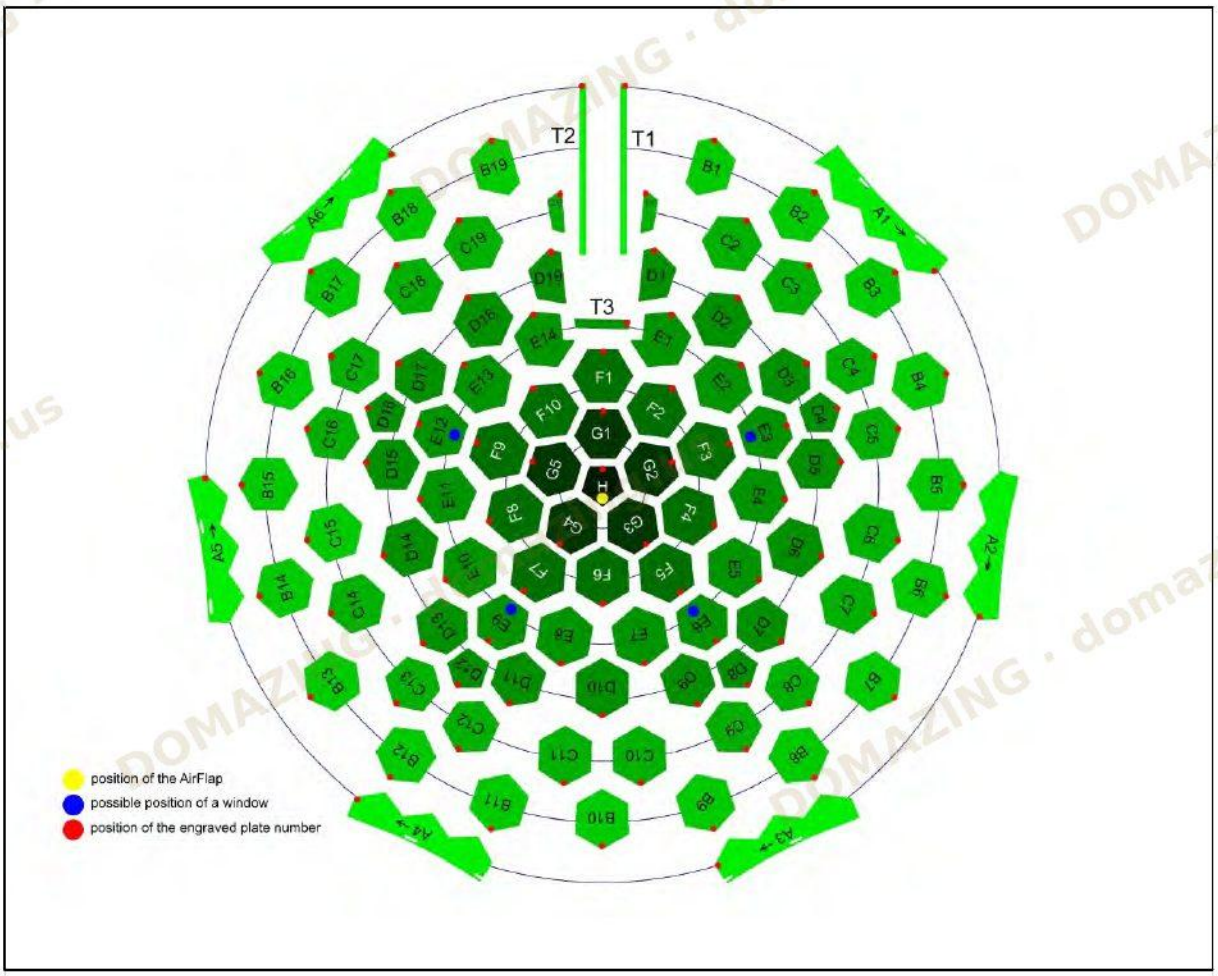


The engraving must be readable from inside the dome.

Poly Panel Layout & Orientation

Panel Row	Quantity
A	6
B	19
C	20
D	19
E	14
F	10
G	5
H	1
Total	**94**

Door Panel Connector (T1/T2/T3)
Pre-installed on door panel



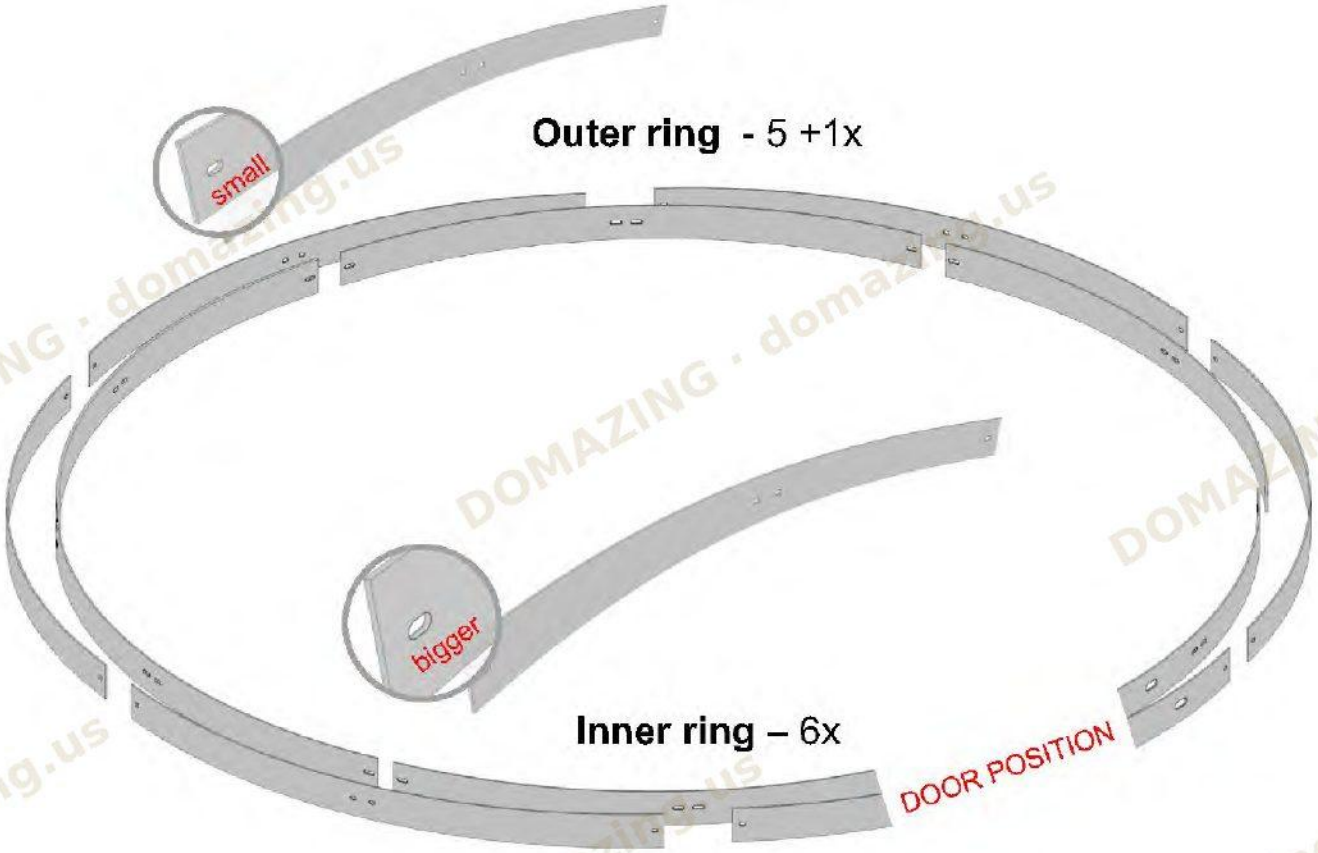
ATTENTION: Panel engravings must be readable from the inside of the dome.

Ring, Door & A-Row Assembly

Phase 1 –

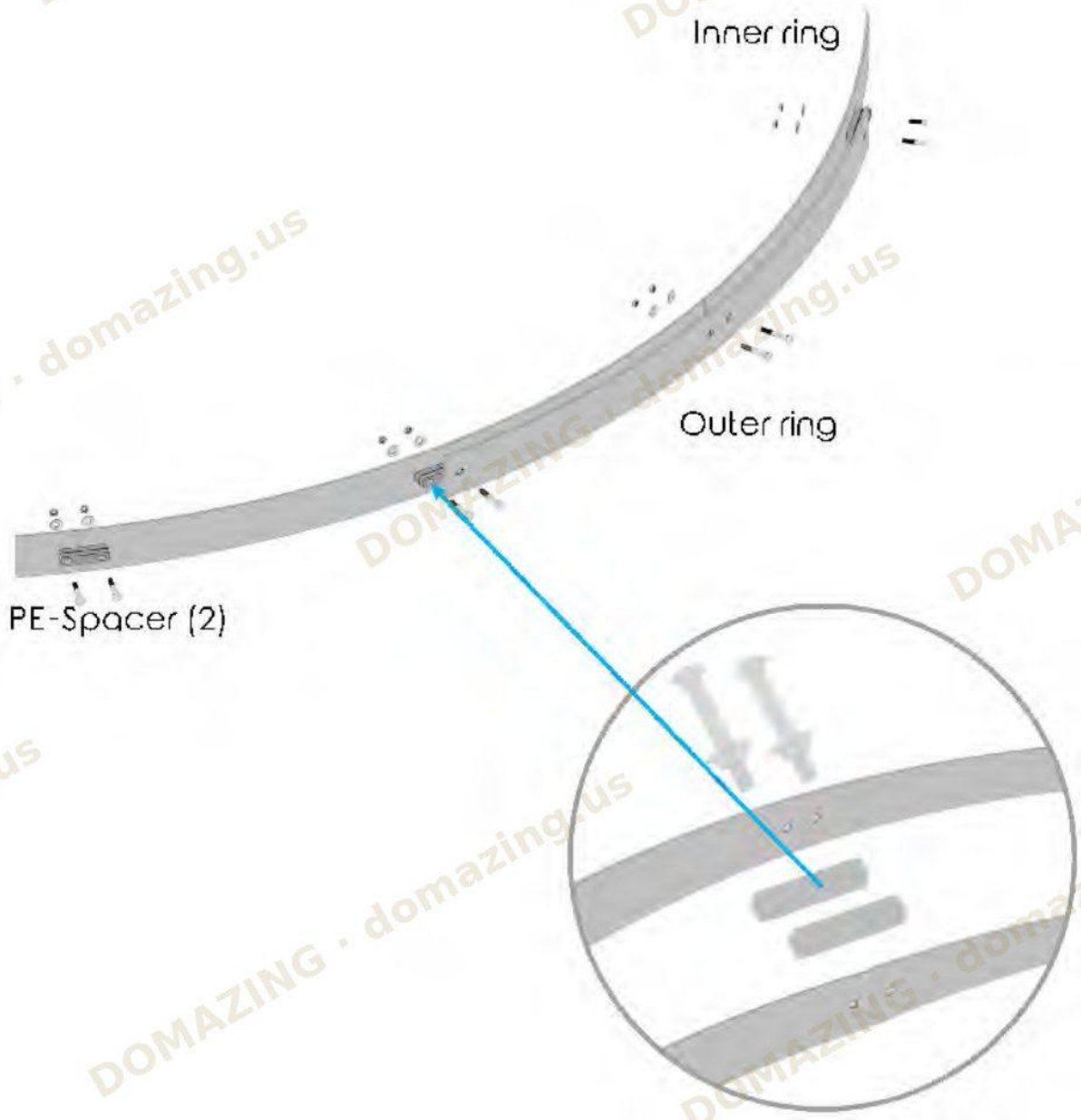
Rings, Door Frame & A-Row

Foundation Ring Assembly

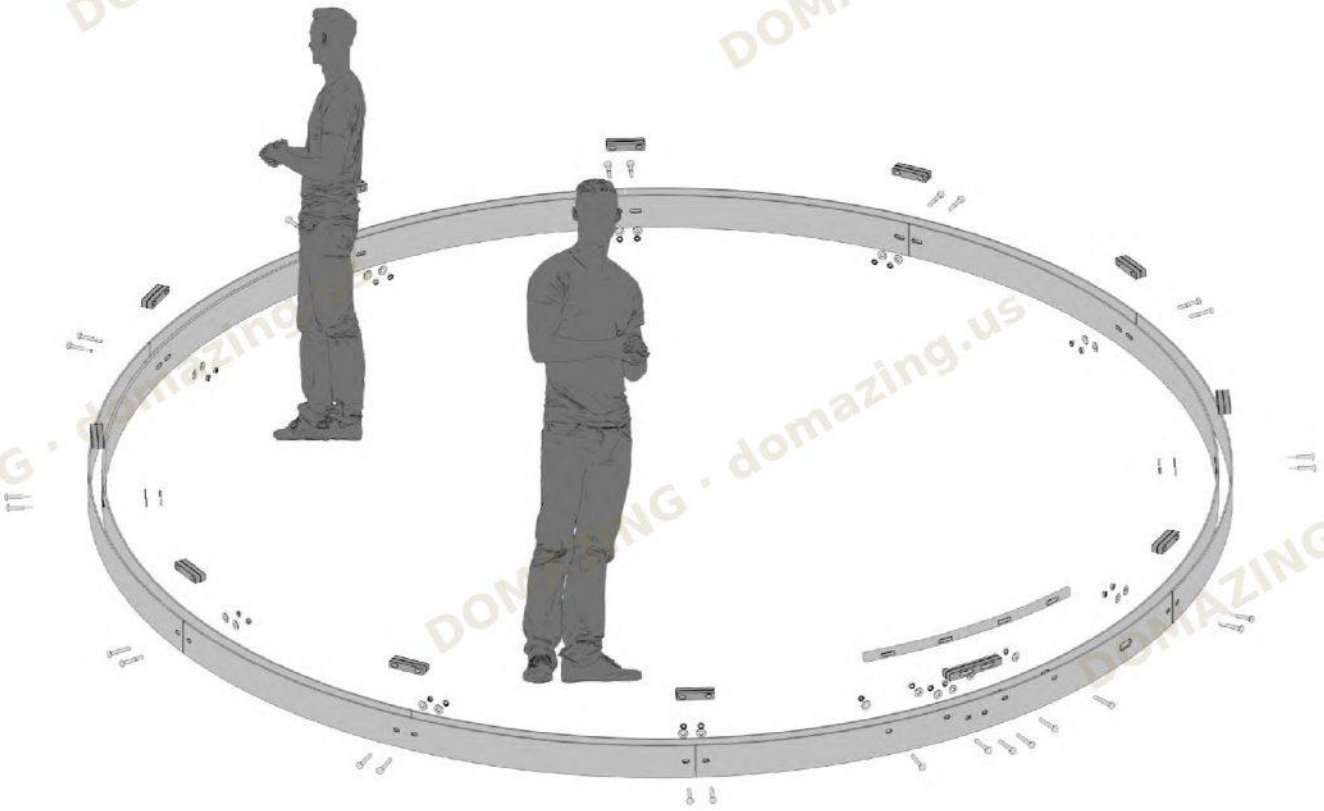


Position the Inner- and Outer Rings –

Do Not Fasten Yet



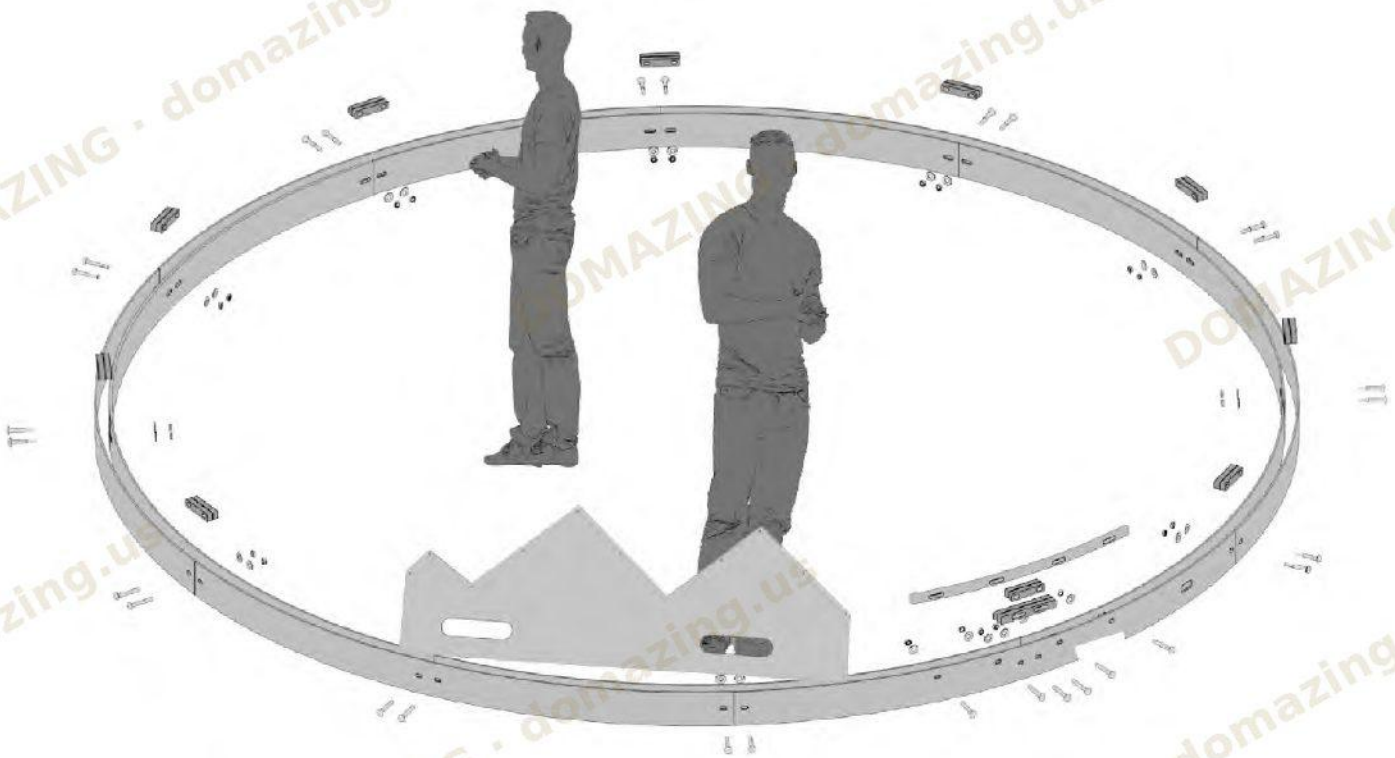
Install 2 PE-Spacers at Each Connection Point – Do Not Fasten Yet



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

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A-Row Installation

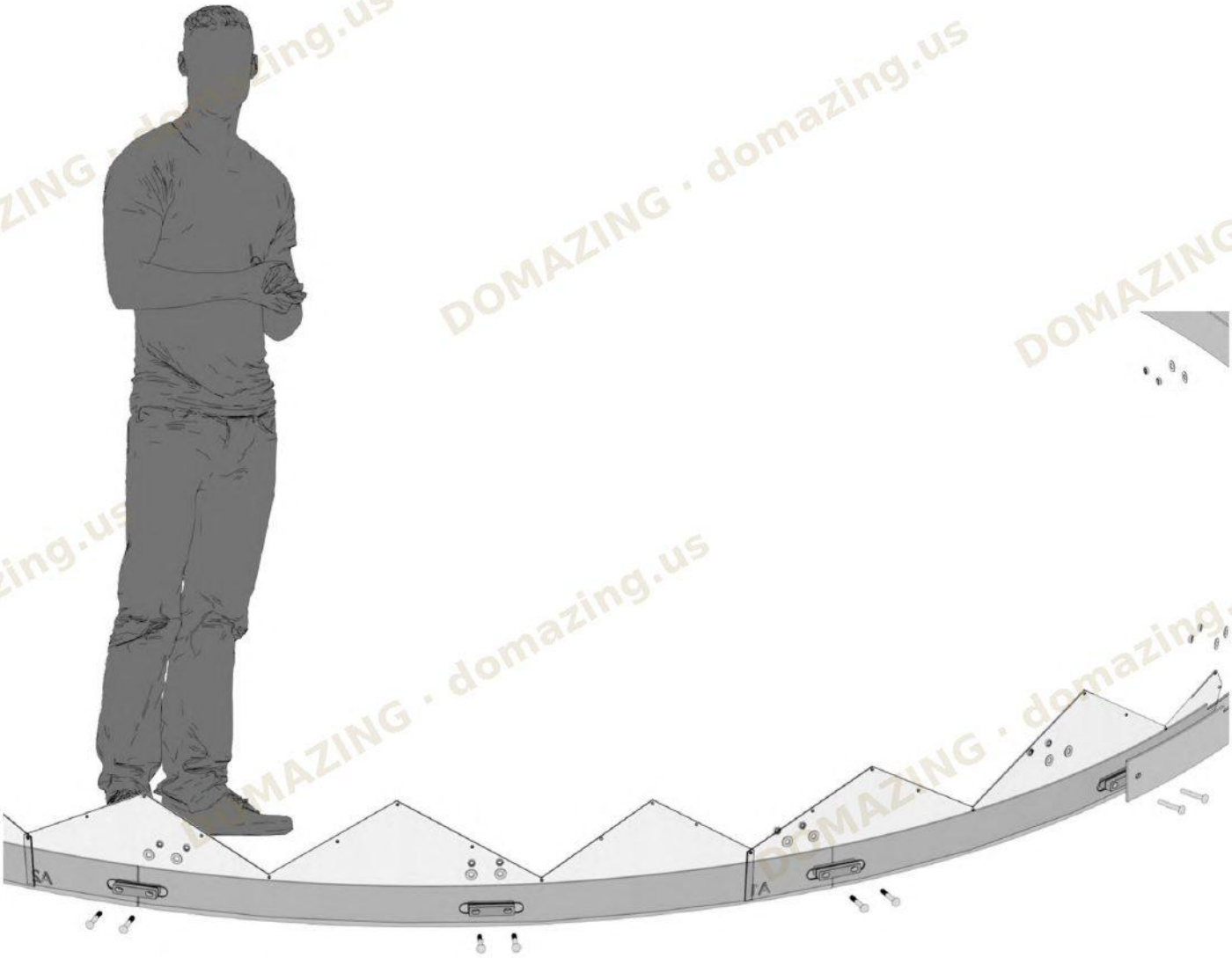


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ASSEMBLY INSTRUCTIONS

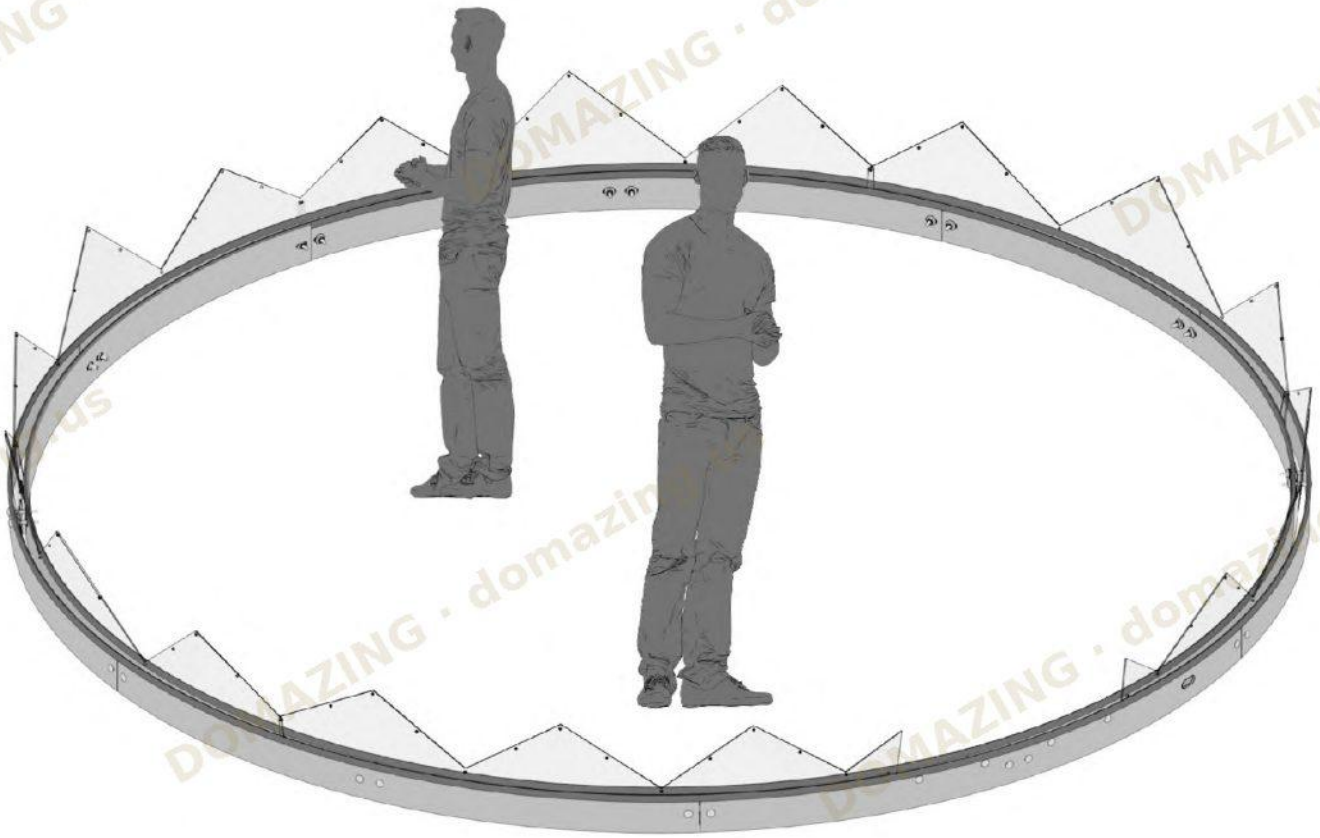


Always Work from Inside the Dome

Delivery & Preparation | Ring, Door & A-Row Assembly | Panel Assembly

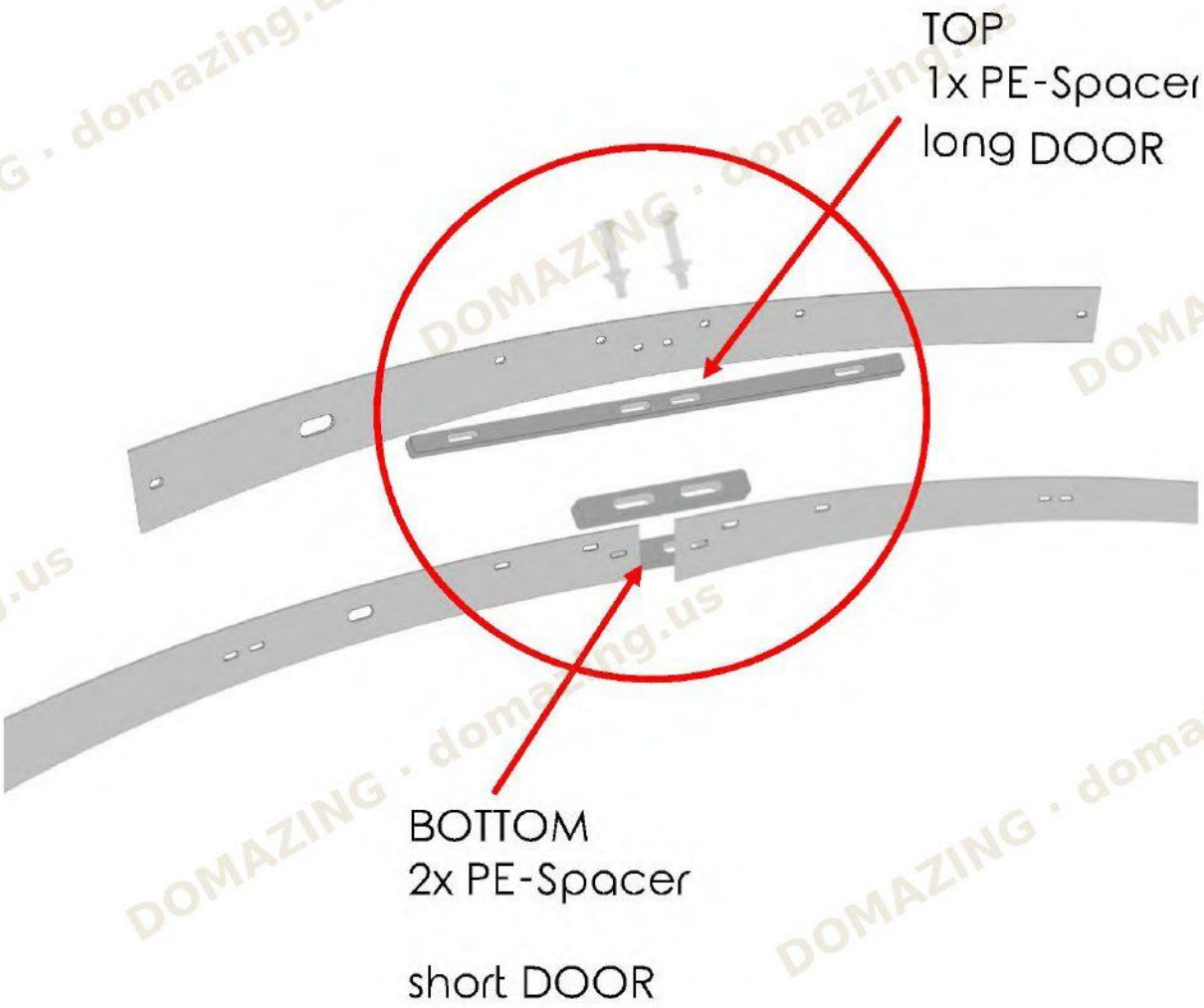
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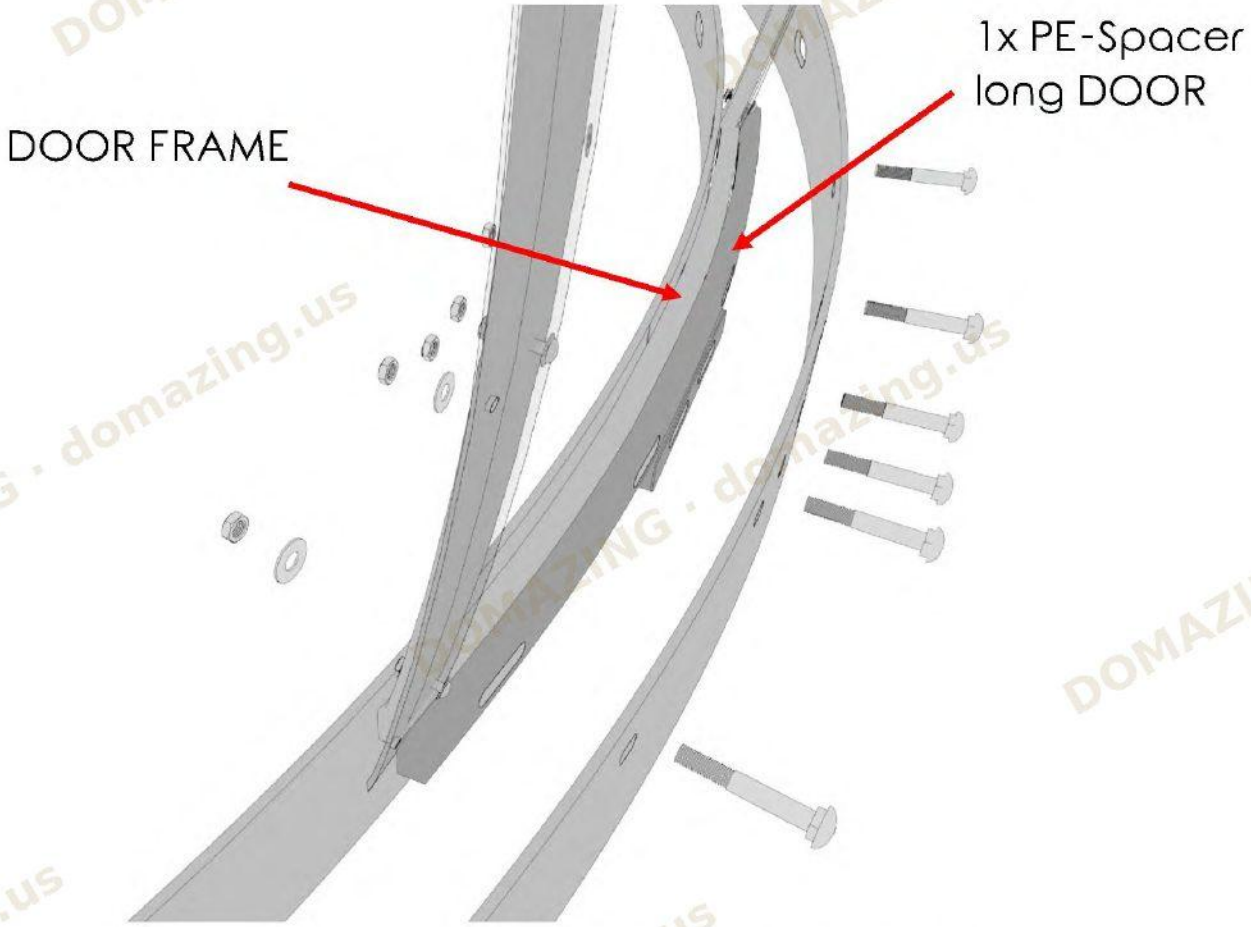
Installation of A-Row

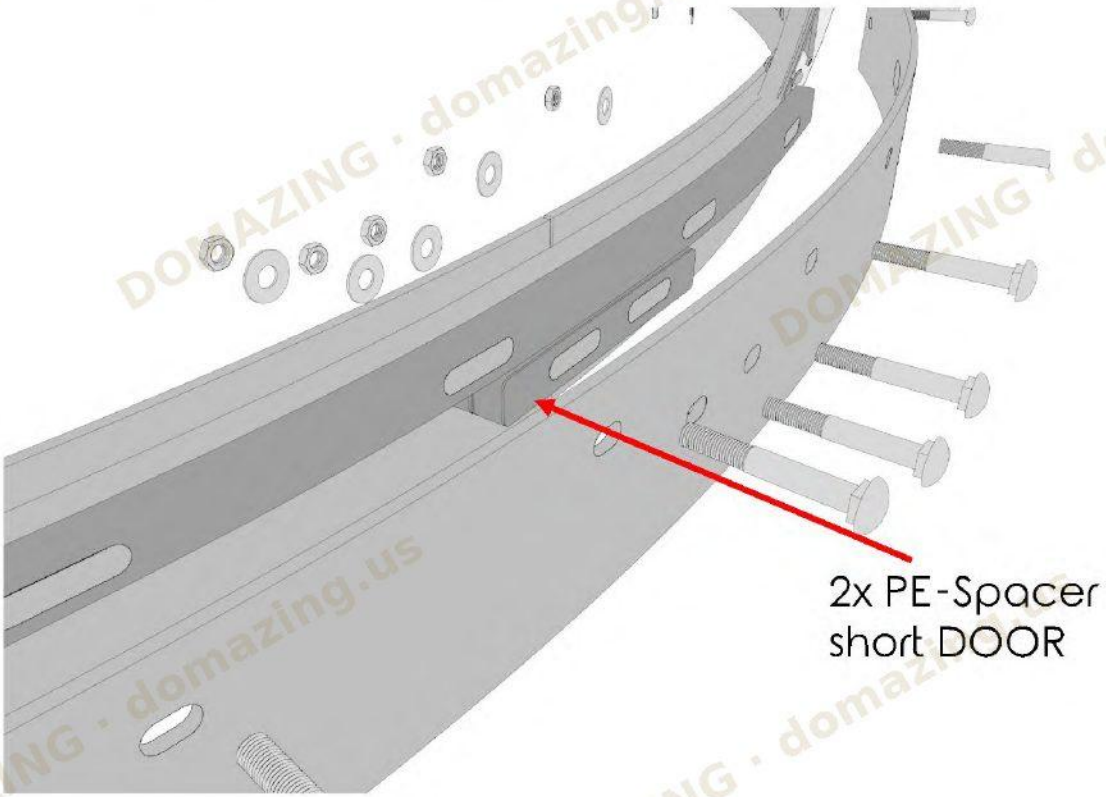


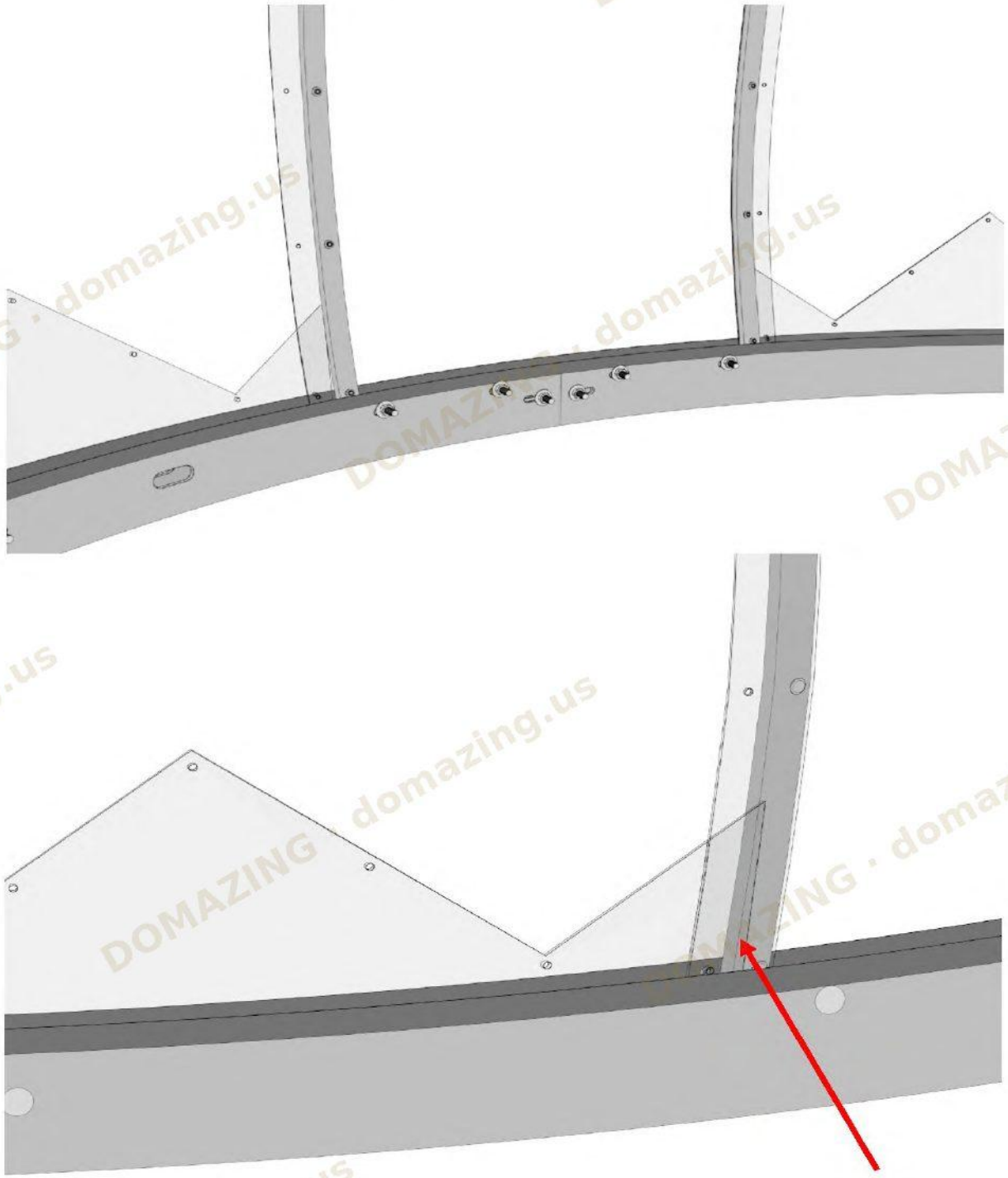
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Door Position/Installation

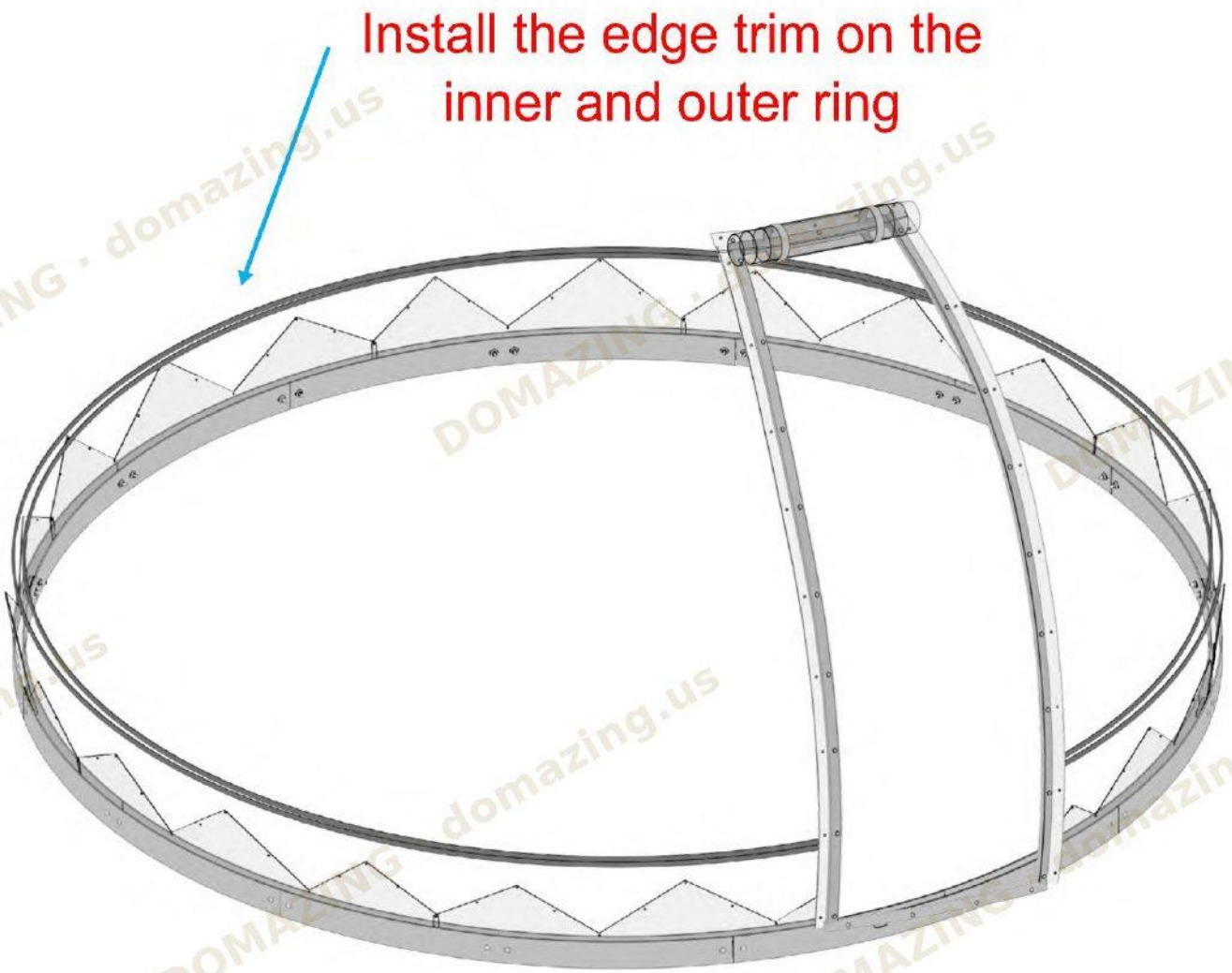



1x PE-Spacer
long DOOR
DOOR FRAME


2x PE-Spacer
short DOOR

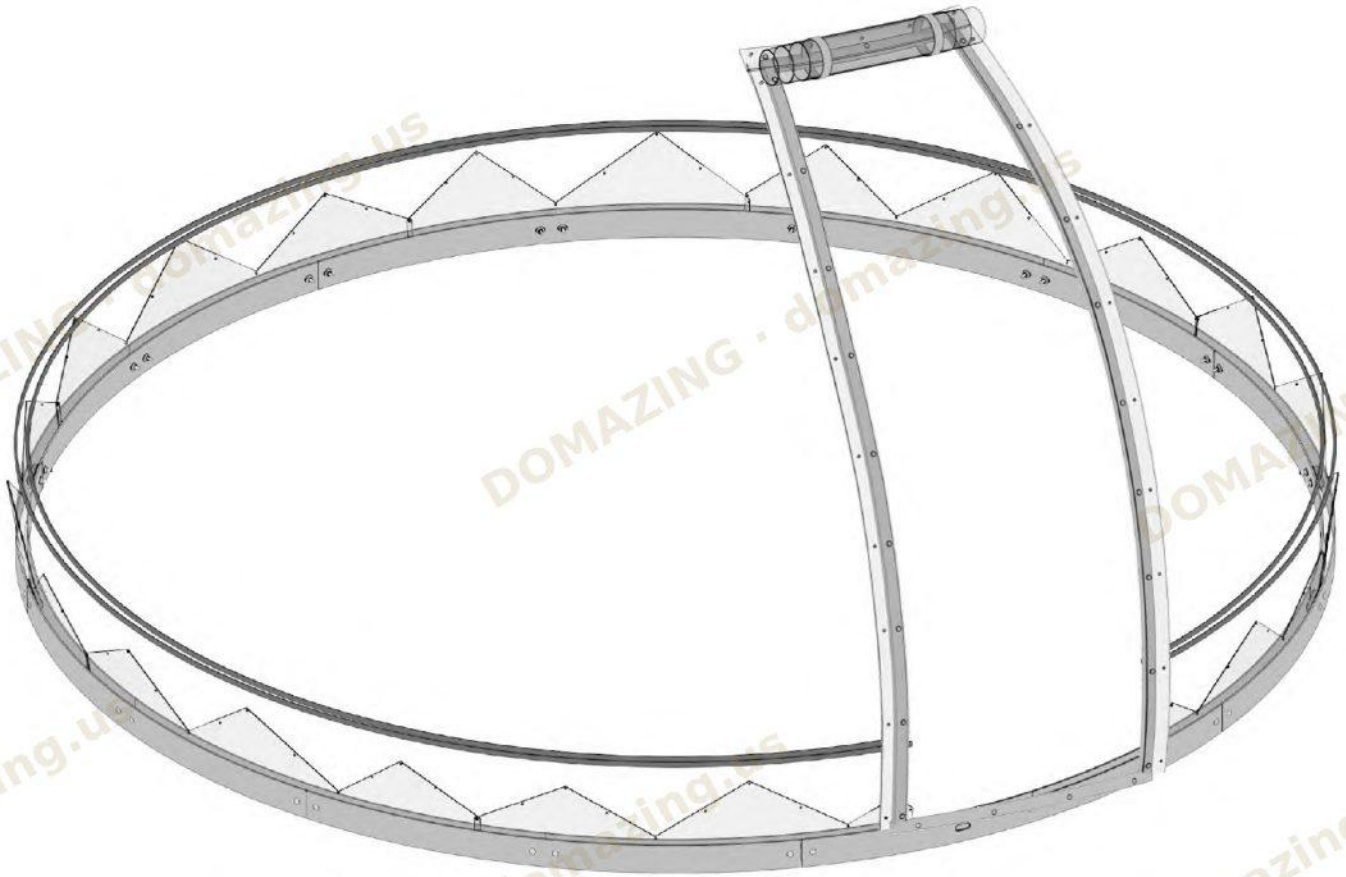


Install the A-Row panels from the outside and fasten them to the door frame


Install the edge trim on the
inner and outer ring

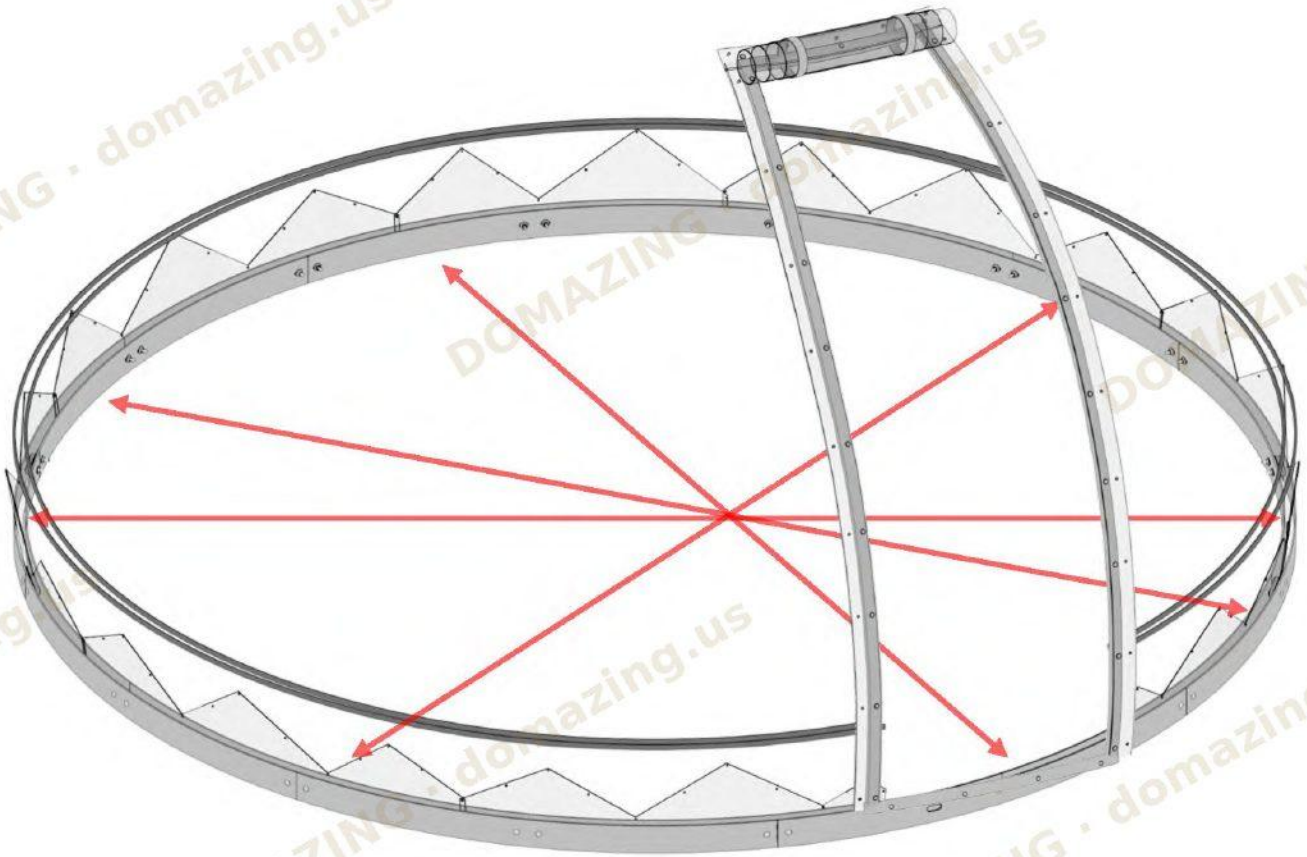


Assembly Check – Base Rings, Door & A-Row



- Verify that two PE spacers are installed between the inner and outer ring
- Verify the final door position
- Verify that all A-row panels (A1–A6) are securely fastened to the inner ring, outer ring and PE spacers
- Verify that the edge protection profile is installed on both the inner and outer ring

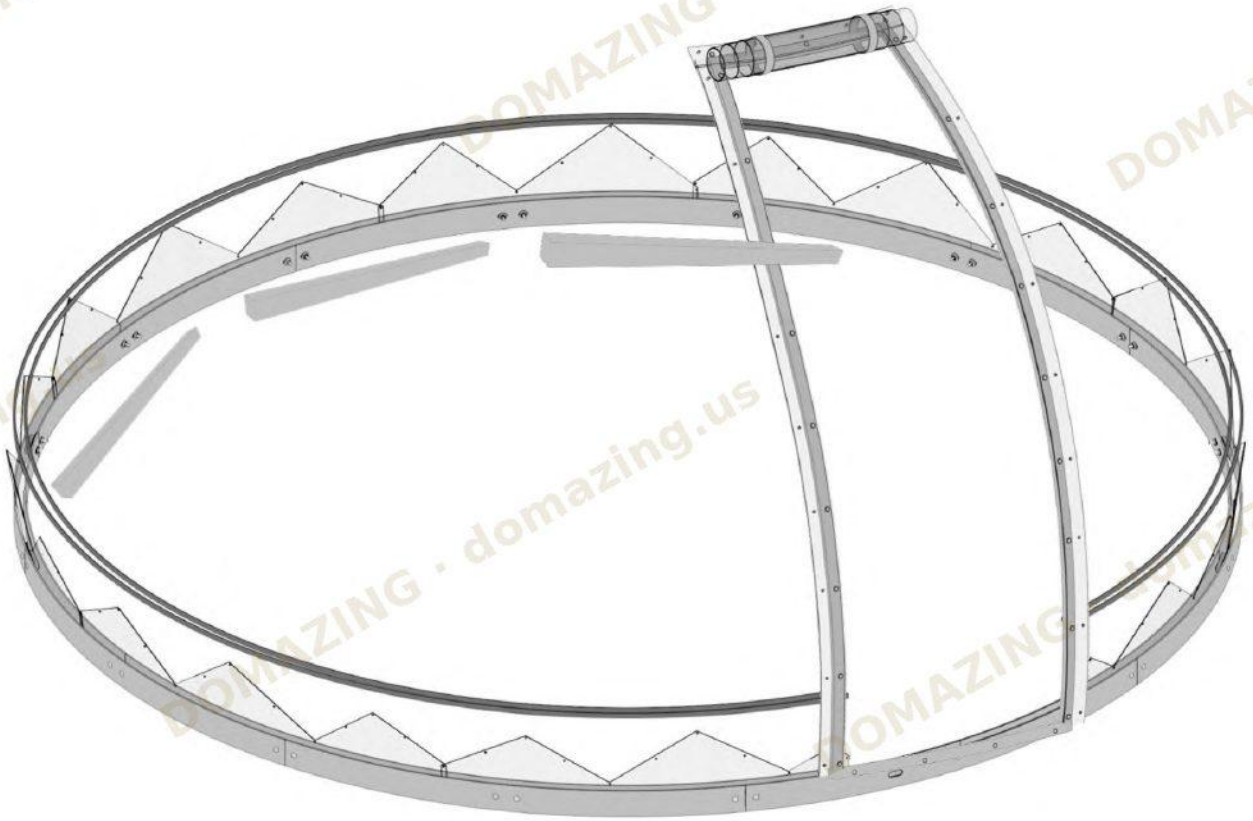
Verify and Adjust Inner Ring Diameter 3.53 m (11 ft 7 in)



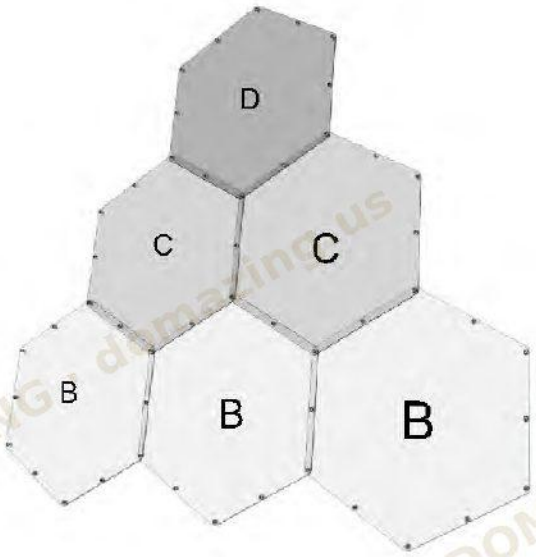
Measure the inner ring diameter at several points. Adjust the ring if necessary, until a diameter of 3.53 m (11 ft 7 in) is achieved

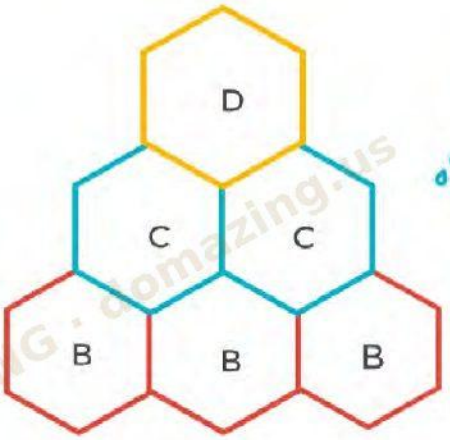
Install the Air Vent Filter

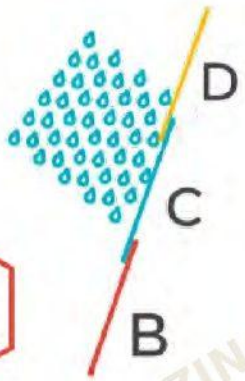
- Insert the filter between the Inner Ring and the A-Row.
- Press the filter firmly into position.
- Ensure the filter is seated evenly along its entire length.



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**.

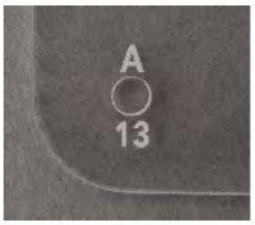
Install all subsequent rows using the **shingle principle**. Each new row overlaps the row below from the outside.

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

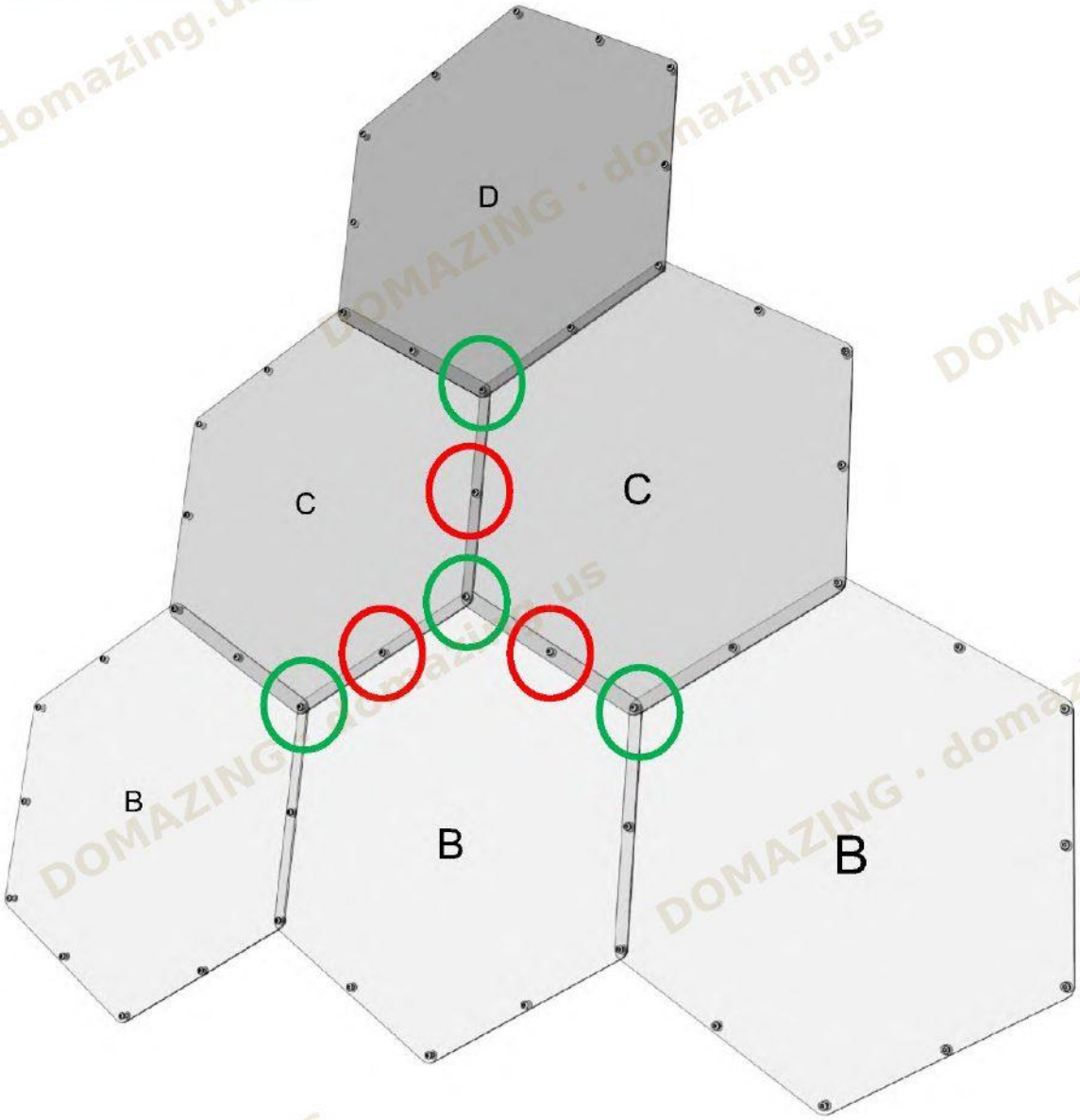
- Use **M5×16 long panel screws** where **three panels overlap**.
- Use **M5×12 short panel screws** where **only two panels overlap**.
- **Laser-marked panel numbers must remain visible from inside the dome.**
- The panel numbers are located at the **bottom center** or **bottom right** of each panel.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



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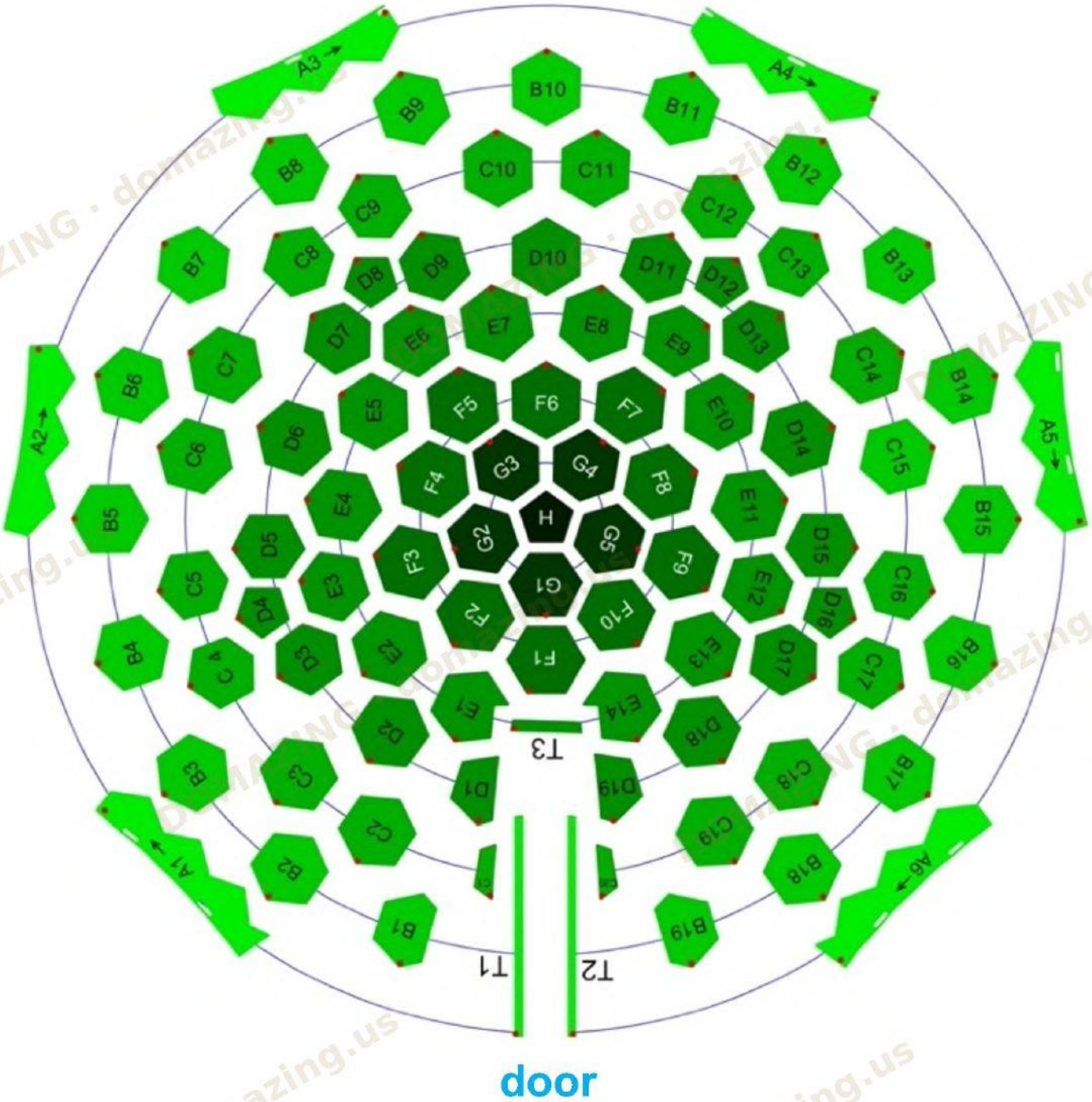
ASSEMBLY INSTRUCTIONS



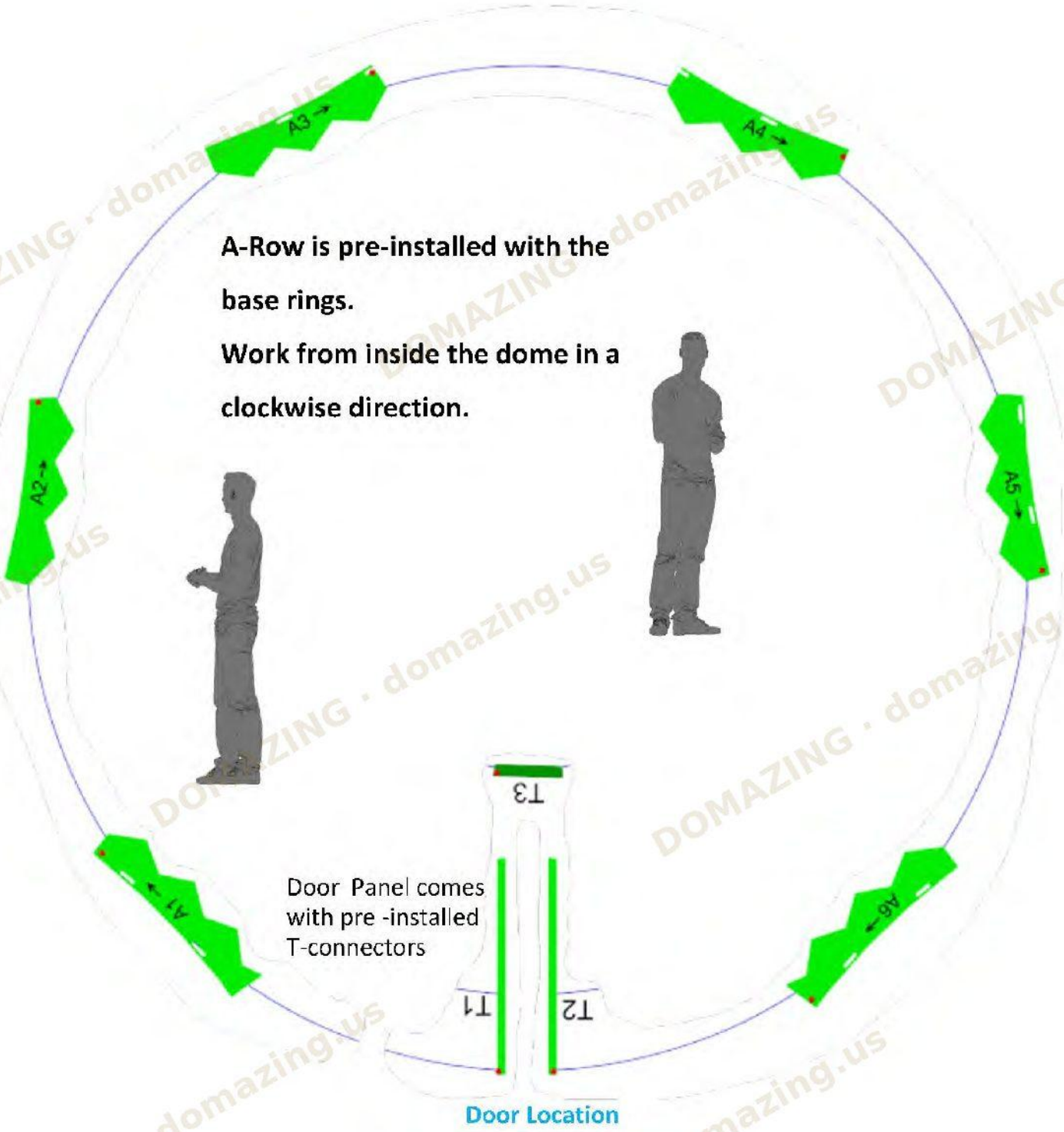


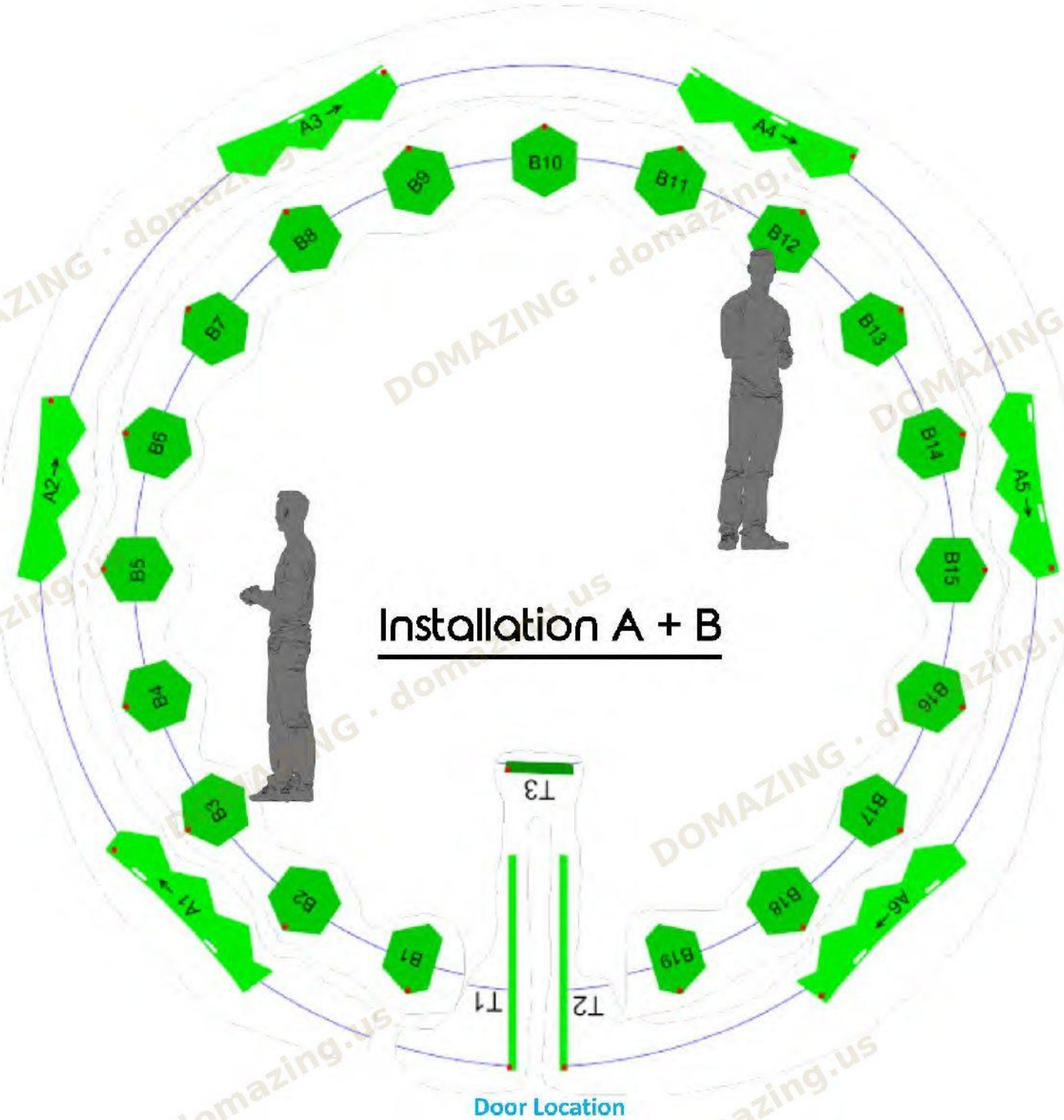
M5×16 Long Panel Screw, Used where three panels overlap

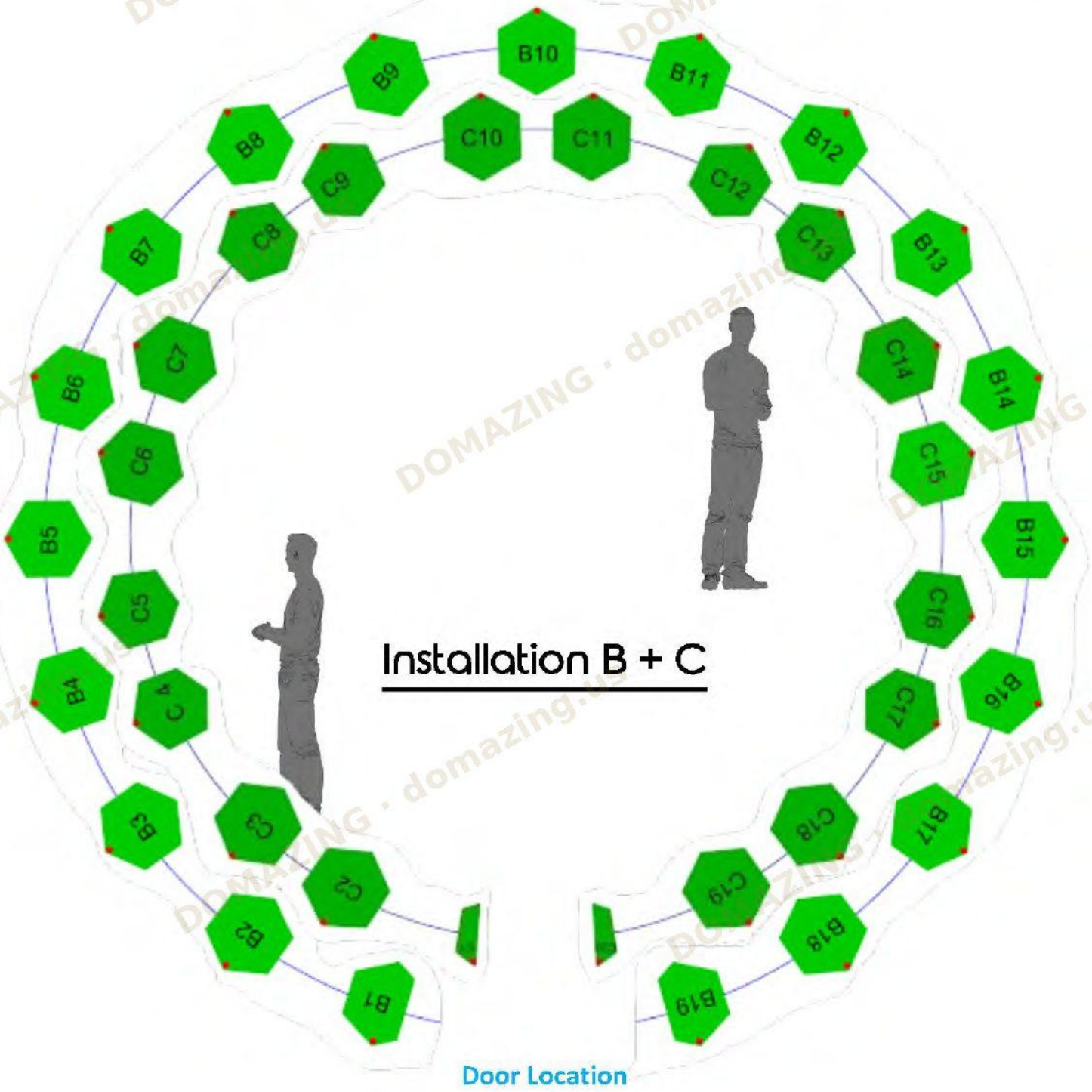
M5×12 Short Panel Screw, Used where two panels overlap

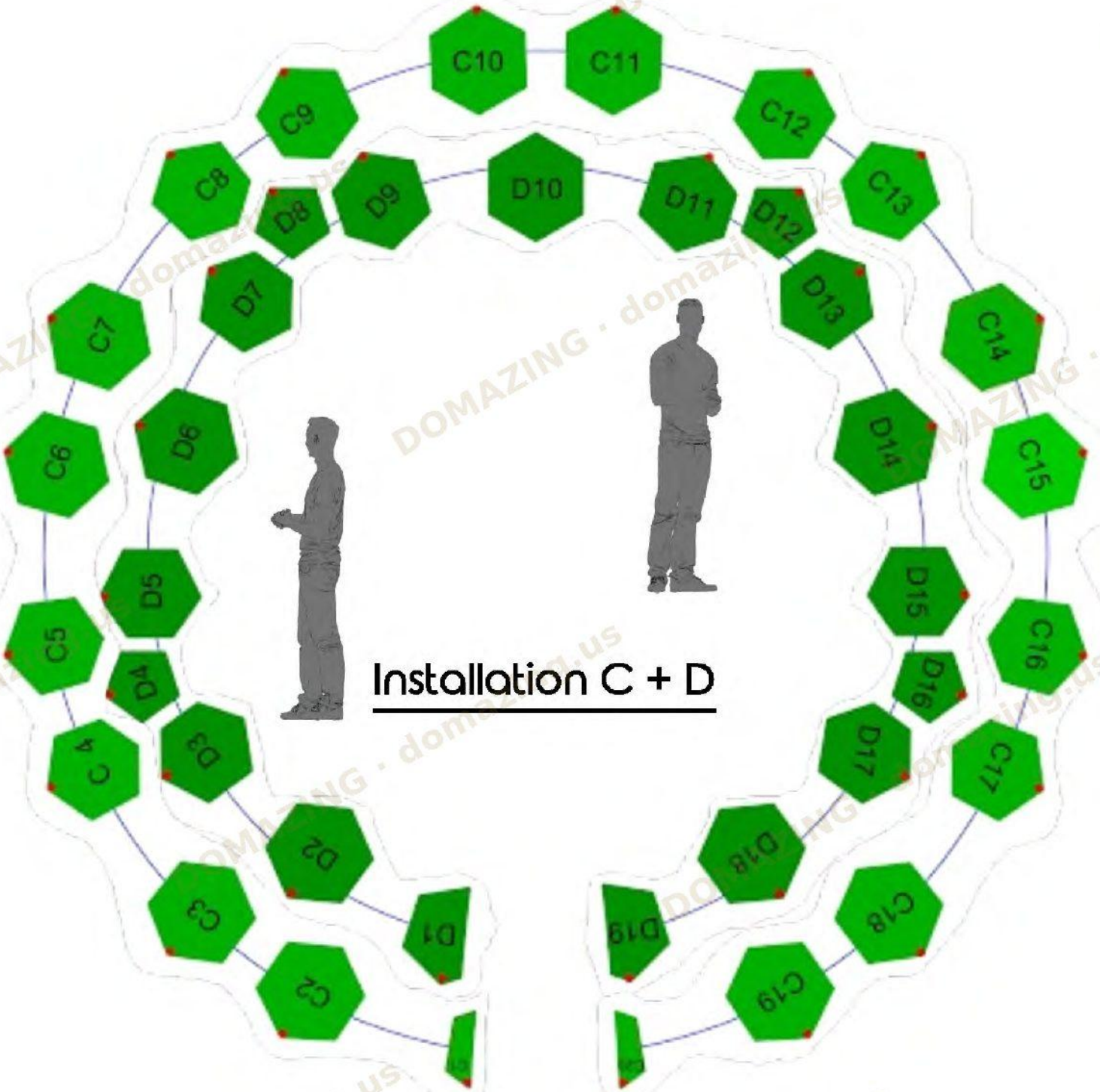


Reference Layout for Panel Positioning and Door Location

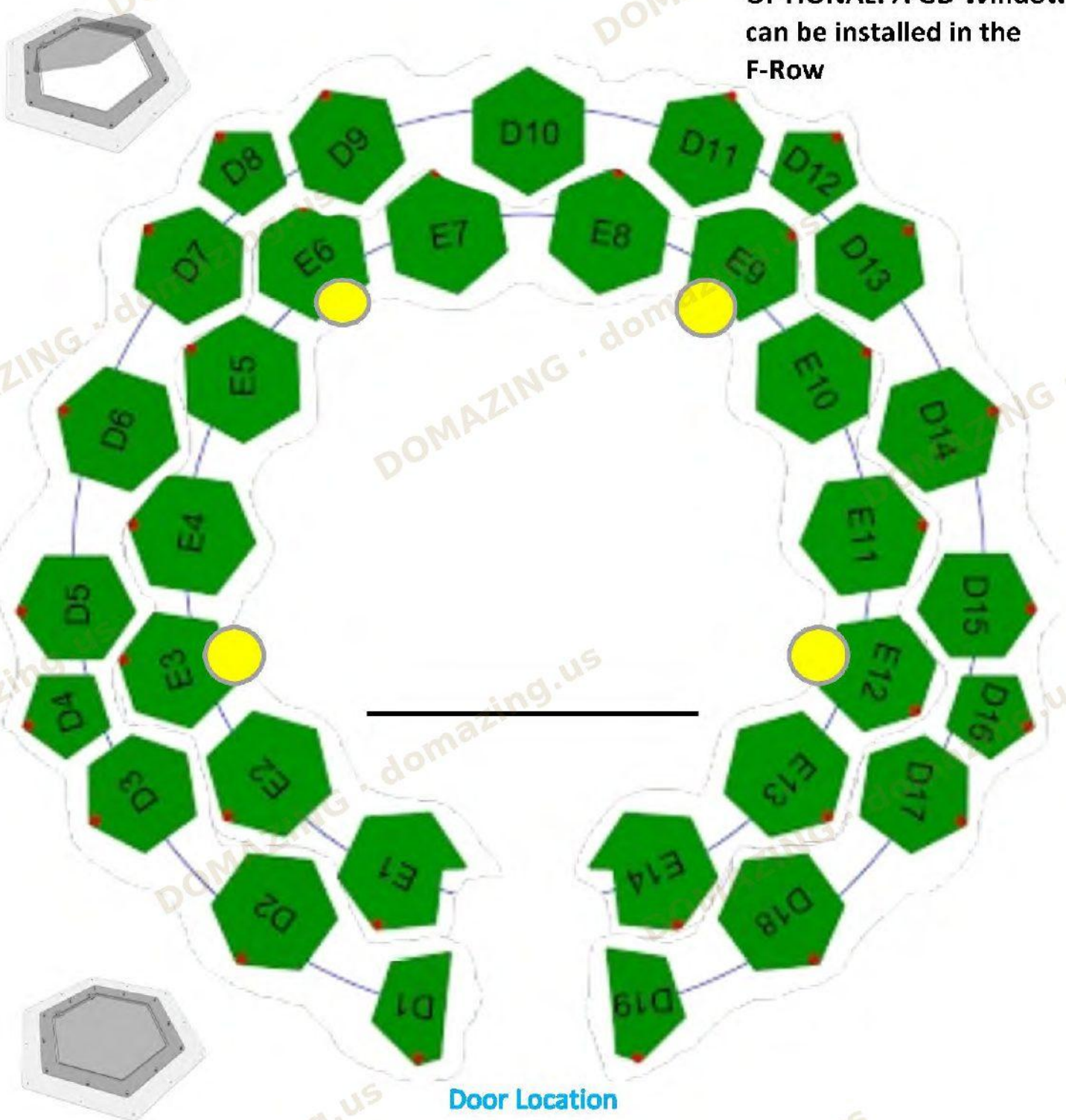

A3
A4
A-Row is pre-installed with the base rings.
Work from inside the dome in a clockwise direction.
A2
A5
T3
Door Panel comes with pre -installed T-connectors
A1
A6
T1
T2
Door Location

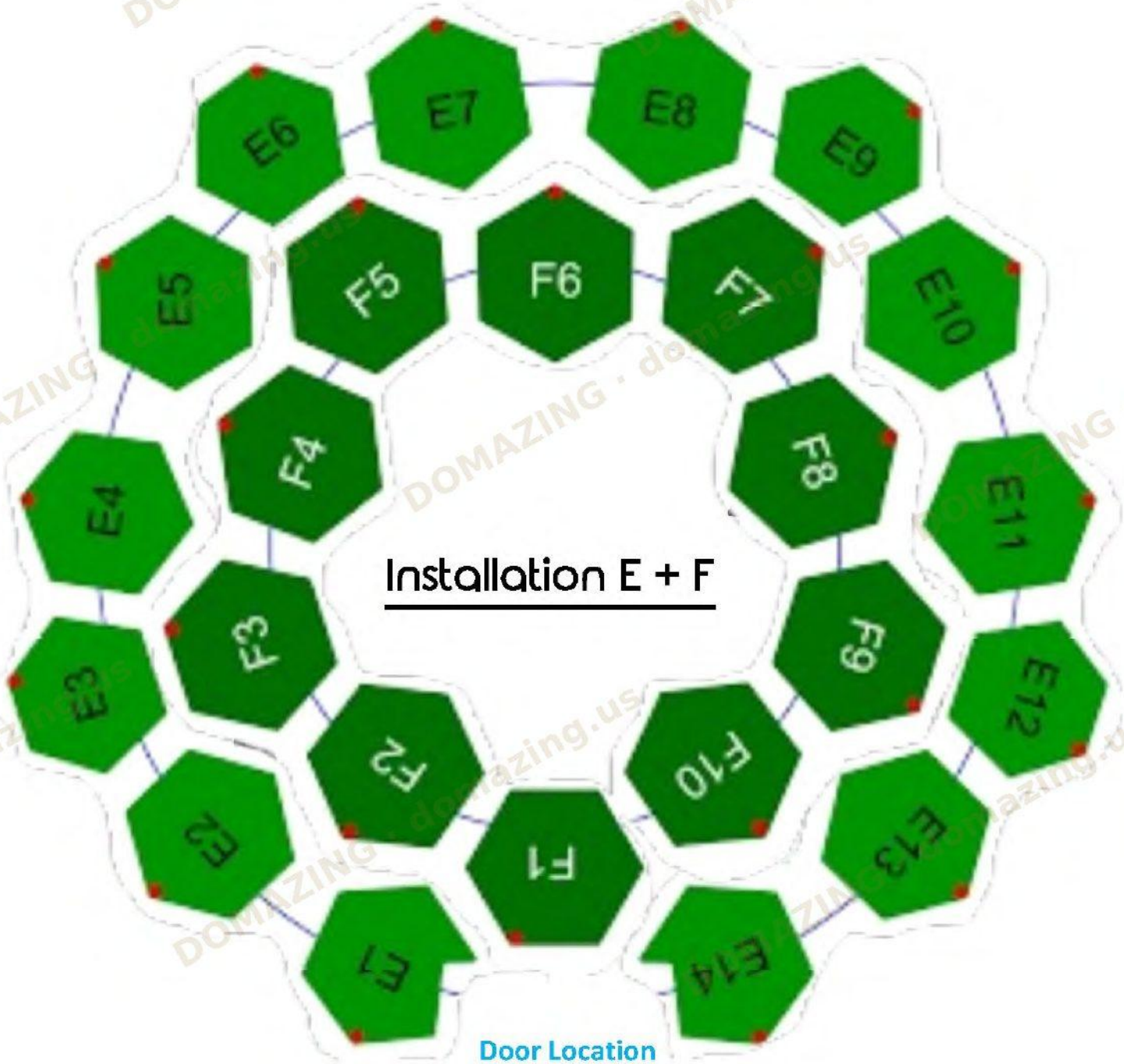

A3
A4
B10
B9
B11
B8
B12
B8
B7
B13
A2
B6
B14
A5
B5
B15
B4
B16
B3
B17
A1
B2
B18
A6
B1
B19
T3
T1
T2
Installation A + B
Door Location

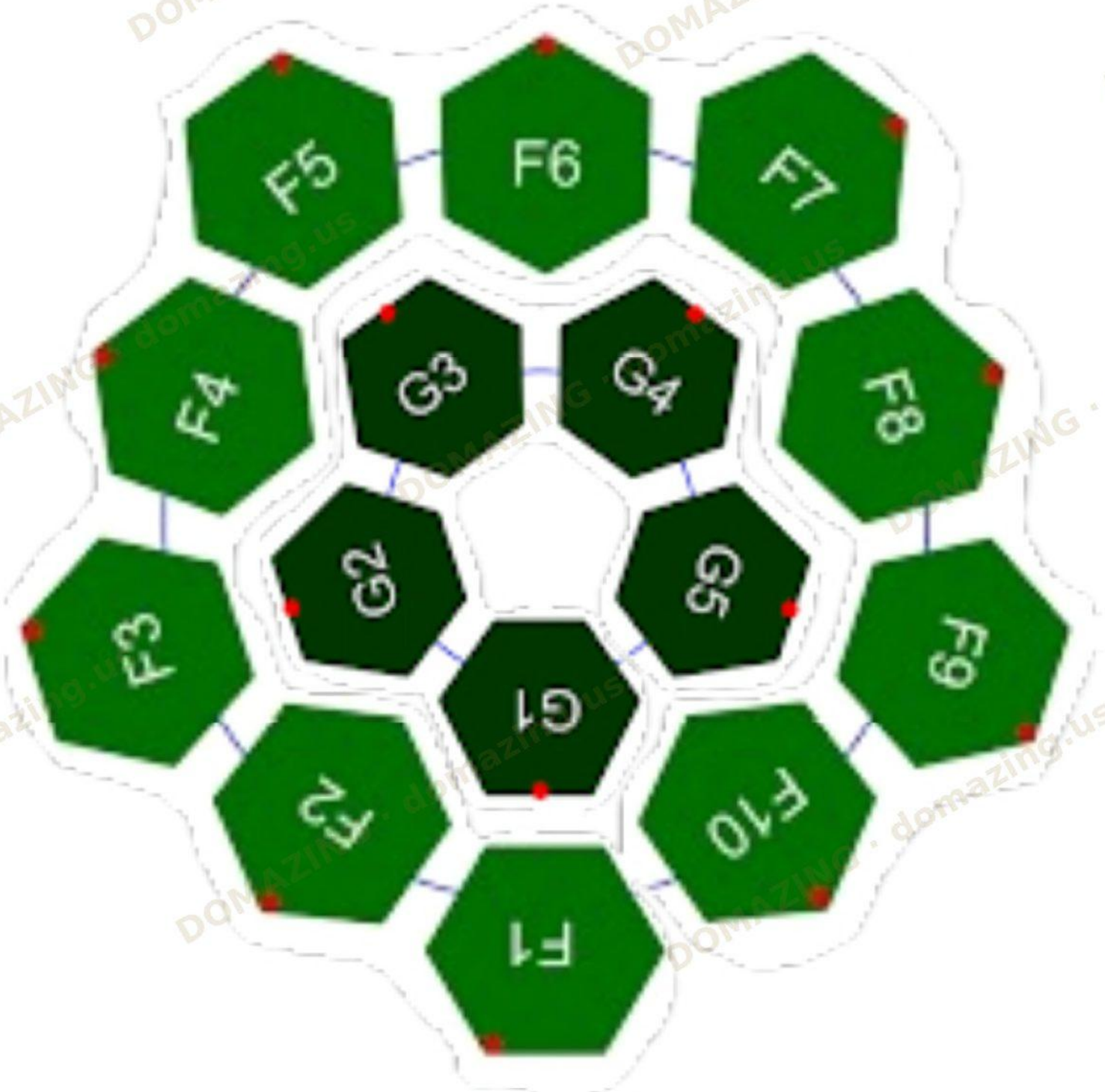

B10
B11
B9
B12
C10
C11
B8
C9
C12
B7
C8
C13
B13
C7
C14
B6
B14
C6
C15
B5
B15
C5
C16
B4
C4
C17
B16
B3
C3
C18
B17
C2
C19
B2
B18
B1
B19
Installation B + C
Door Location


C10
C11
C9
C12
C8
D10
D9
D11
C13
D8
D12
D7
D13
C7
C14
D6
D14
C6
C15
D5
D15
C5
C16
D4
D16
C4
D3
D17
C17
D2
D18
C3
C18
D1
D19
C2
C19
Installation C + D
Door Location

OPTIONAL: A GD Window can be installed in the F-Row




E6
E7
E8
E9
E5
F5
F6
F7
E10
F4
F8
E4
E11
F3
F9
E3
E12
F2
F10
E2
F1
E13
E1
E14
Installation E + F
Door Location



Door Location

Installation F + G

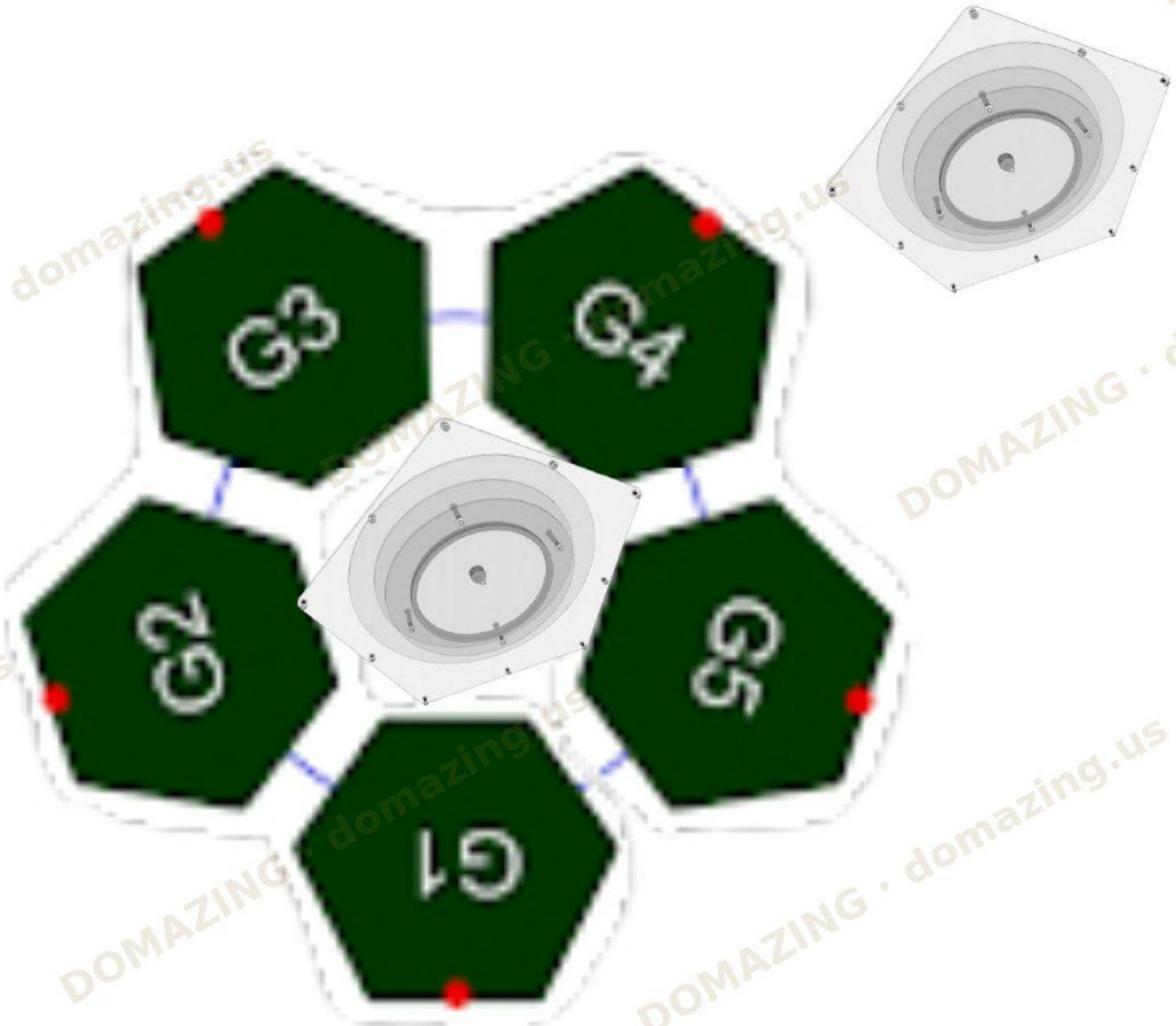
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Installation G + H



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

Installation G with Optional Air Flap



Door Location

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

Warranty Information

DOMAZING warrants the GEO 3.7 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.

Contact Information

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

DOMAZING

Operated by LuxorGate Capital LLC

Clearwater, Florida, USA

Website: domazing.us

Support: support@domazing.us

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