

# Hypedome S

Assembly Manual

## Gather your friends, it's time to build your Hypedome!

### Prepare...



Power screwdriver  
and a hammer (for stakes)



Tape measure

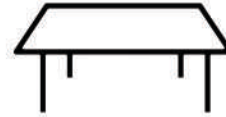
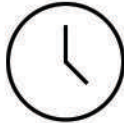


Table or a bench  
to set your panels down



Approx. 6 hours  
of your time



1.5m / 5ft ladder



Rigid stool

### IMPORTANT TIPS !



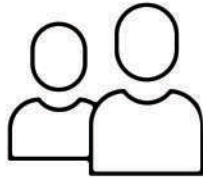
If it is less than 5°C / 41°F outside, put the membrane door in a warm place (at least 20°C / 68°F) for 24hrs prior to assembly, otherwise the cold membrane may be too stiff to warrant easy assembly. We also recommend building your dome on a calm day.



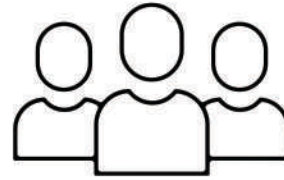
Some pages feature scannable QR codes. They will point to videos showing the steps in details. Watching them is not required to complete the build. However, you may find them helpful.



Set boxes on a table or a bench, so you can reach them easily.  
 On each of them you will find a description which panels are inside.  
 You can additionally separate and group panels from box marked **PANELS 5-13**.



2x people minimum



3x people optimum



Scan to watch the video



You can assemble the Hypedome with just one person to assist you. However, if you ask additional person it will speed the process up.

In the optimal three person team, one person peels edges of the foil from the panel while the other two assemble them together.

Peel off the foil around the perimeter of the panel **at both sides** exposing screw holes. Do not peel it off completely. Leave the center on the panel to prevent it from scratching during the assembly. Do not let the foil get between the assembled panels, otherwise you won't be able to remove it later.



## Index of components

### POLYCARBONATE PANELS

Quantity	Panel Type
<b>29</b>	Type <b>1</b>
<b>28</b>	Type <b>2</b>
<b>15</b>	Type <b>3</b>
<b>6</b>	Type <b>4</b>
<b>10</b>	Type <b>5</b>
<b>8</b>	Type <b>6</b>
<b>4</b>	Type <b>7</b>
<b>2</b>	Type <b>8</b>
<b>2</b>	Type <b>9</b>
<b>2</b>	Type <b>10</b>
<b>1</b>	Type <b>11</b>
<b>1</b>	Type <b>12</b>
<b>1</b>	Type <b>13</b>

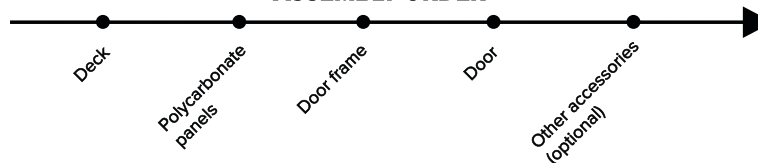
### TOOLS AND SCREWS

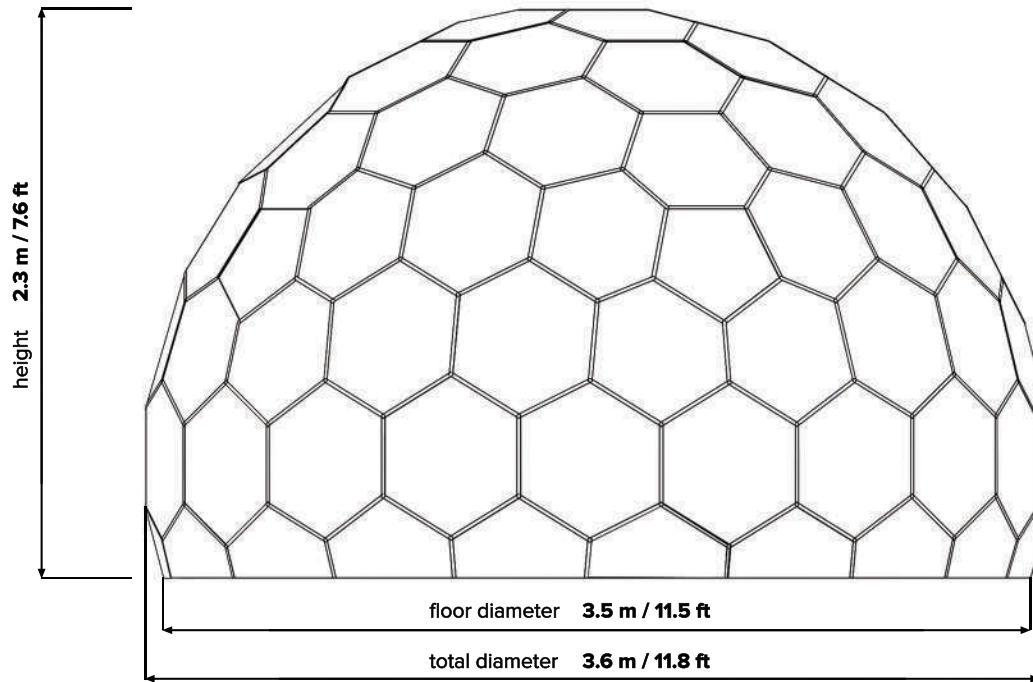
Quantity	Item
<b>1</b>	Set of transparent panel screws (incl. spares)
<b>1</b>	Set of transparent panel nuts (incl. spares)
<b>1</b>	Set of screw attaching panels to the frame (incl. spares)
<b>1</b>	Set of door frame screws & nuts
<b>1</b>	Set of deck screws & nuts (optional)
<b>19</b>	Stakes (optional)
<b>1</b>	Wrench <b>10</b>
<b>1</b>	Wrench <b>7</b>
<b>1</b>	Hex Key <b>3</b> & screwdriver bit
<b>1</b>	Hex Key <b>4</b> & screwdriver bit
<b>1</b>	Small drill bit

### ENTRANCE

Quantity	Item
<b>8</b>	Metal arch elements
<b>1</b>	Metal upper beam
<b>1</b>	Metal threshold
<b>1</b>	Membrane door (optional)

### ASSEMBLY ORDER





Due to the characteristics of this kind of structures, the dimensional tolerance is +/- 4cm (0.15ft)



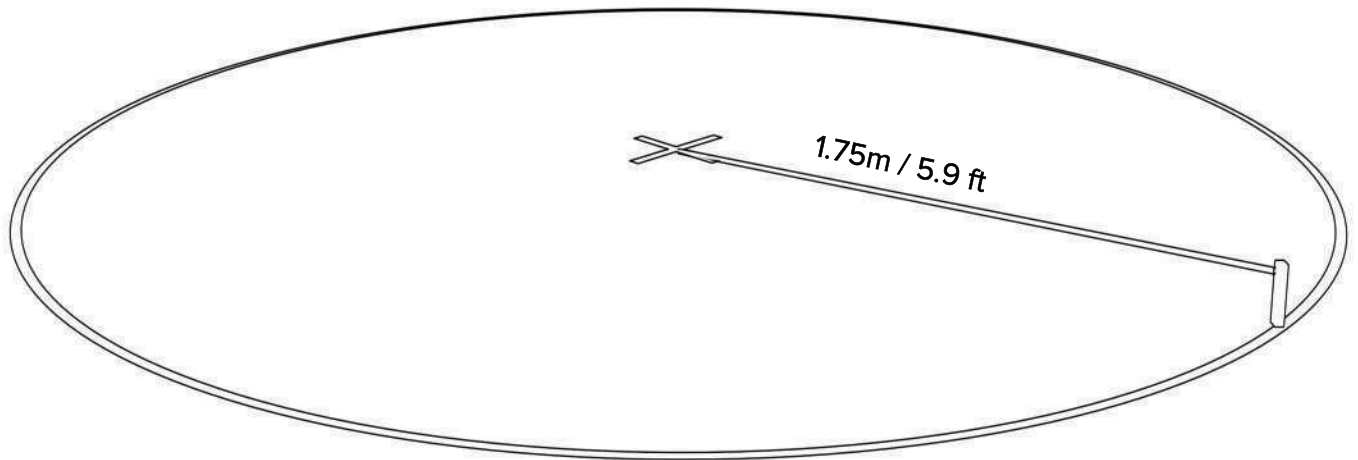
**PLEASE REMEMBER**

If you have any issues with the assembly or notice missing / damaged parts do not hesitate to contact us: **+44 20 3868 9269** [support@hypedome.com](mailto:support@hypedome.com)

If you are building your dome on a hard surface  
i.e. **pavement, concrete or deck:**

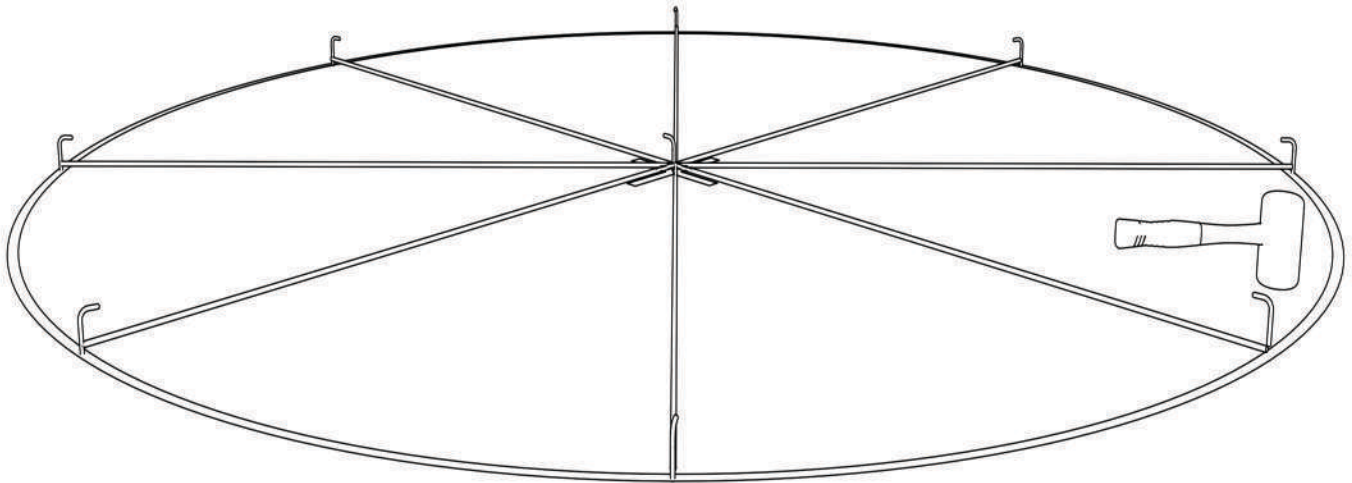


Scan to watch the video



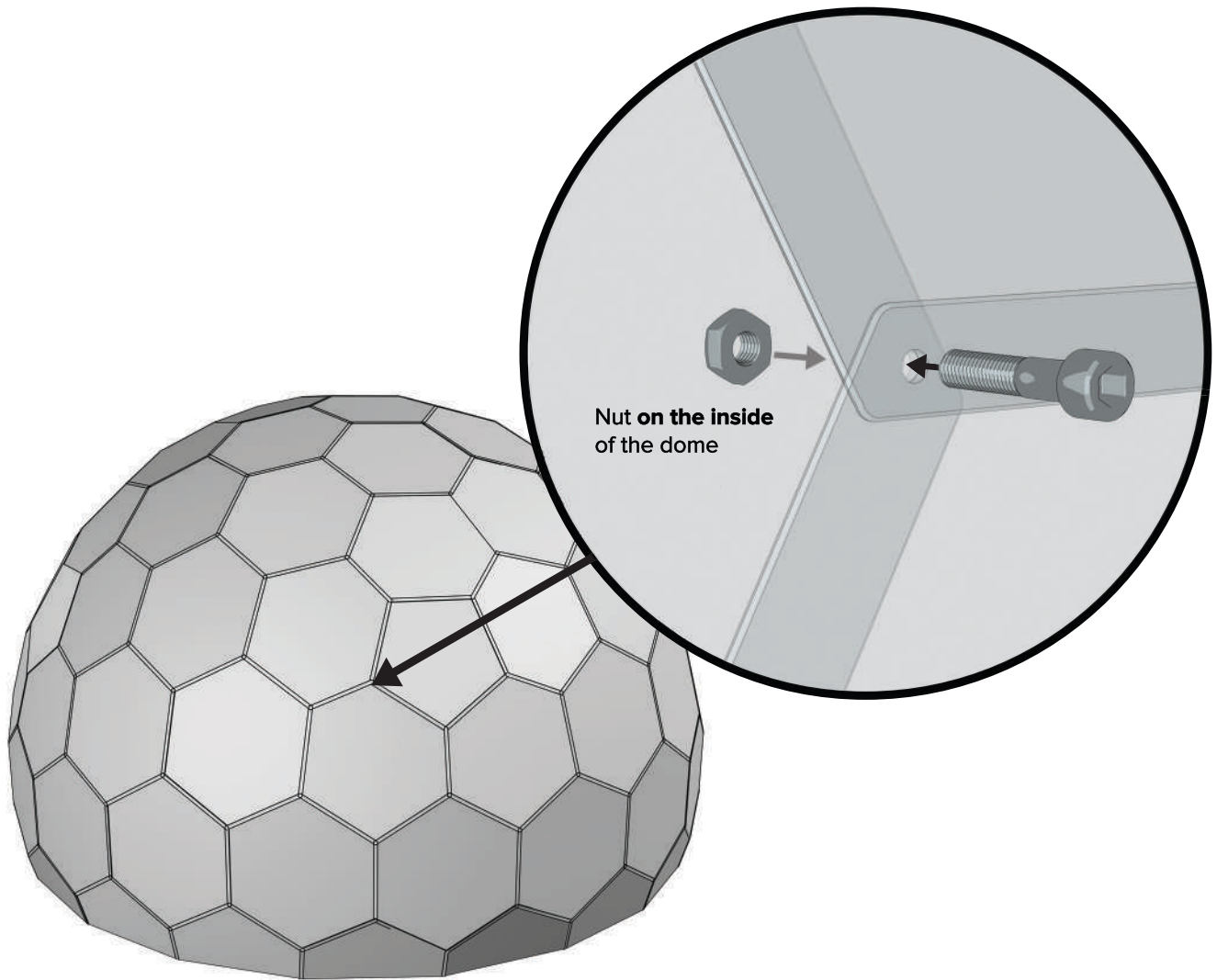
Mark the center of the dome. Open the Drawing Kit and attach string to the chalk.  
Cut rope to the length that allows you to draw a circle with a radius of 1.75m / 5.9 ft  
and draw a circle as shown above.

If you are building your dome on  
a **soil or any other kind of soft surface:**

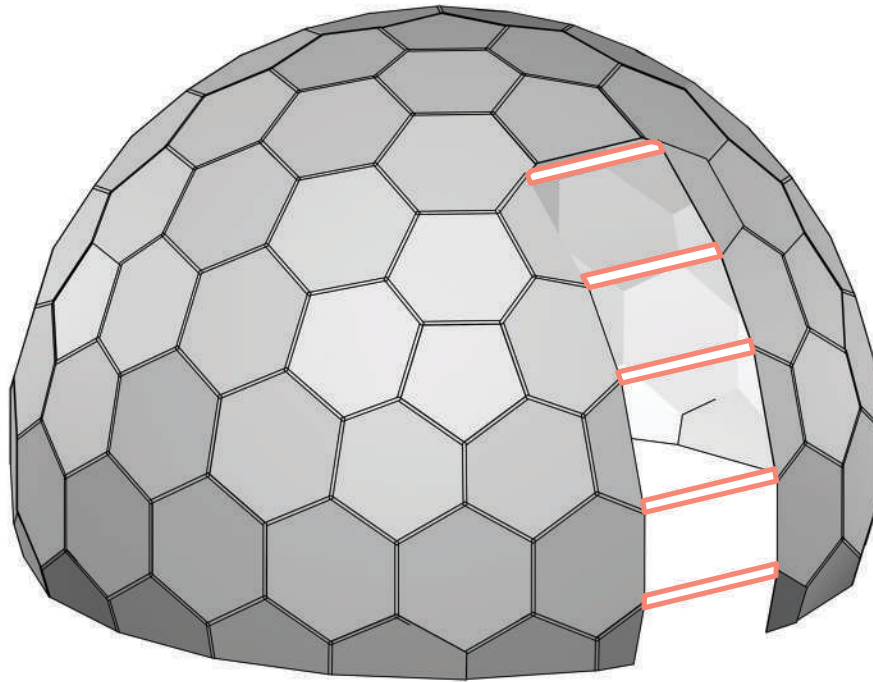


Hammer down 1 stake in the desired centre of the dome. Group 8 stakes in pairs. Cut and attach a rope to each of those pairs so it will be 3.5m / 5.9ft long. Hammer stakes in the ground, tensioning the rope, making sure that the middle always touches the center stake.

*Please note: If you ordered a deck screw kit, we won't be providing ground stakes.*



In the following pages we will be showing panel order diagrams that will help you with the assembly. The general rule is shown in the drawing above. Screw the panels together gently, not to scratch any of them.



Support Bars

You will be assembling the Hypedome by levels.

In the accessory box there are support bars. After finishing each level, use panel screws to add the support bar in place of a door gap. Detailed drawing is on one of the following pages. Do not continue adding the next level before you mount the support bar.

# LEVEL 1

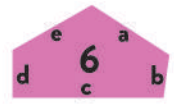
Prepare:



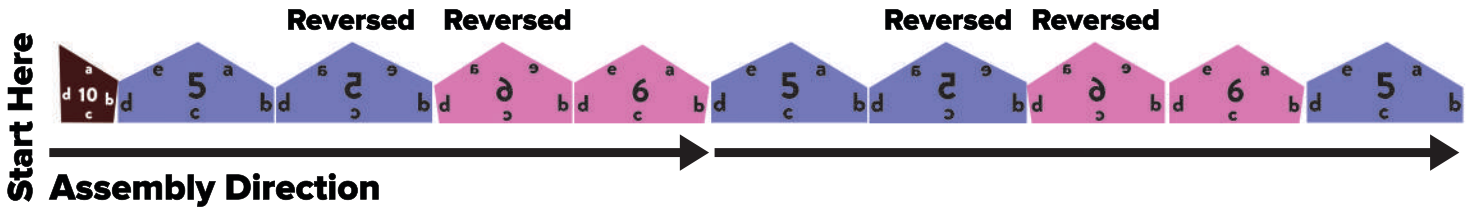
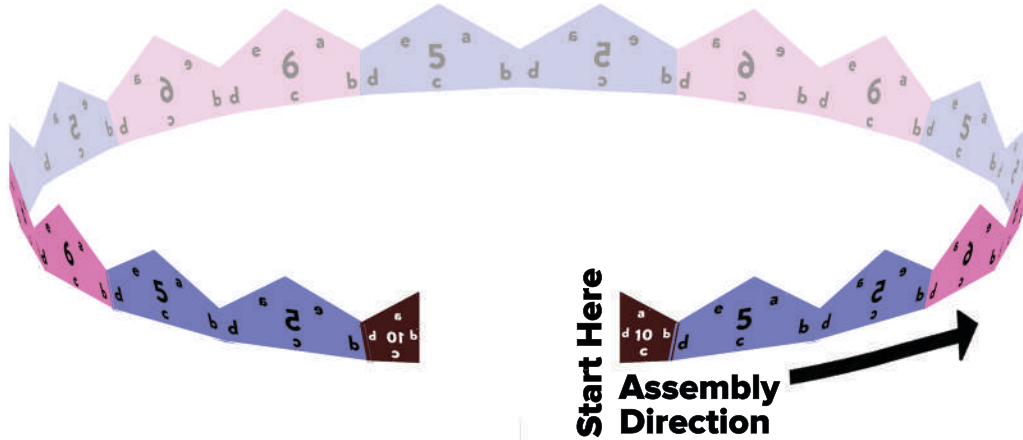
x2



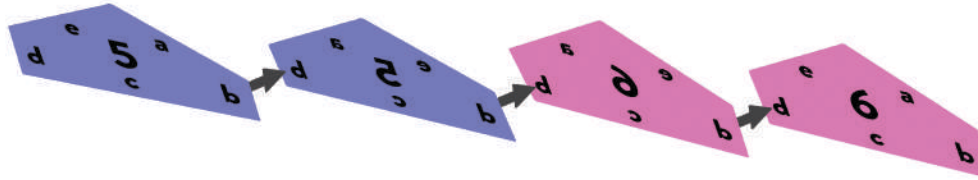
x10



x8



## Panel Overlapping



The assembly of each level is quite simple.  
Look at the ribbon at the bottom of this page - it shows panel pattern you should follow.

Start with the panel right to the door and continue counter-clockwise.

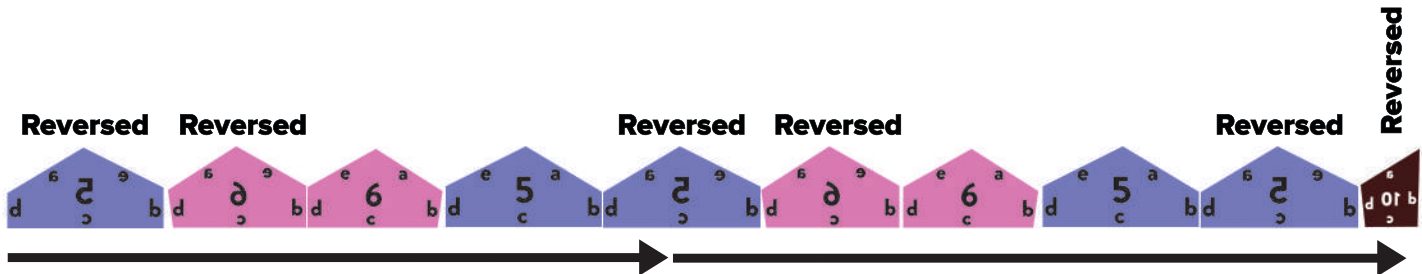
While screwing the panels together make sure that the left-hand panel always **overlaps** the right-hand one.

Notice that some panels should be **reversed** - number should read backwards.



**Do not forget to unpeel the foil from edges of the panel.**

**Tip: Leave these holes empty. That way, you won't have to undo the screws when adding the second level.**

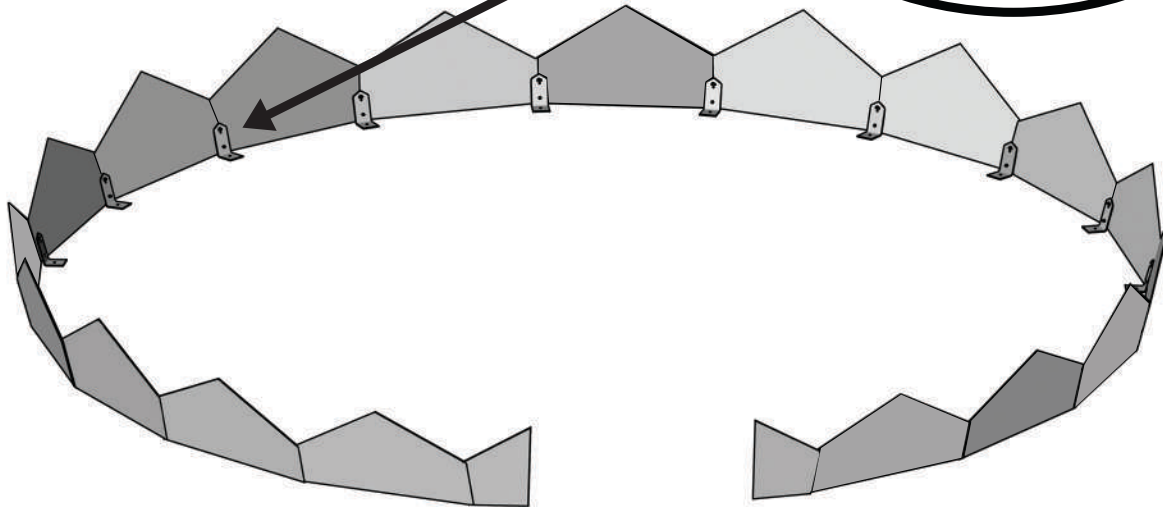
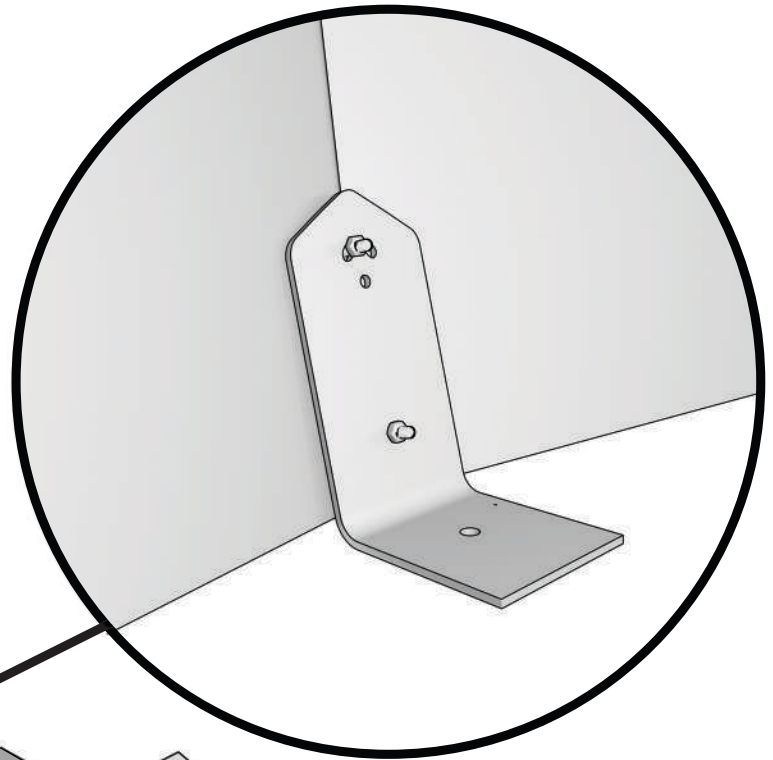


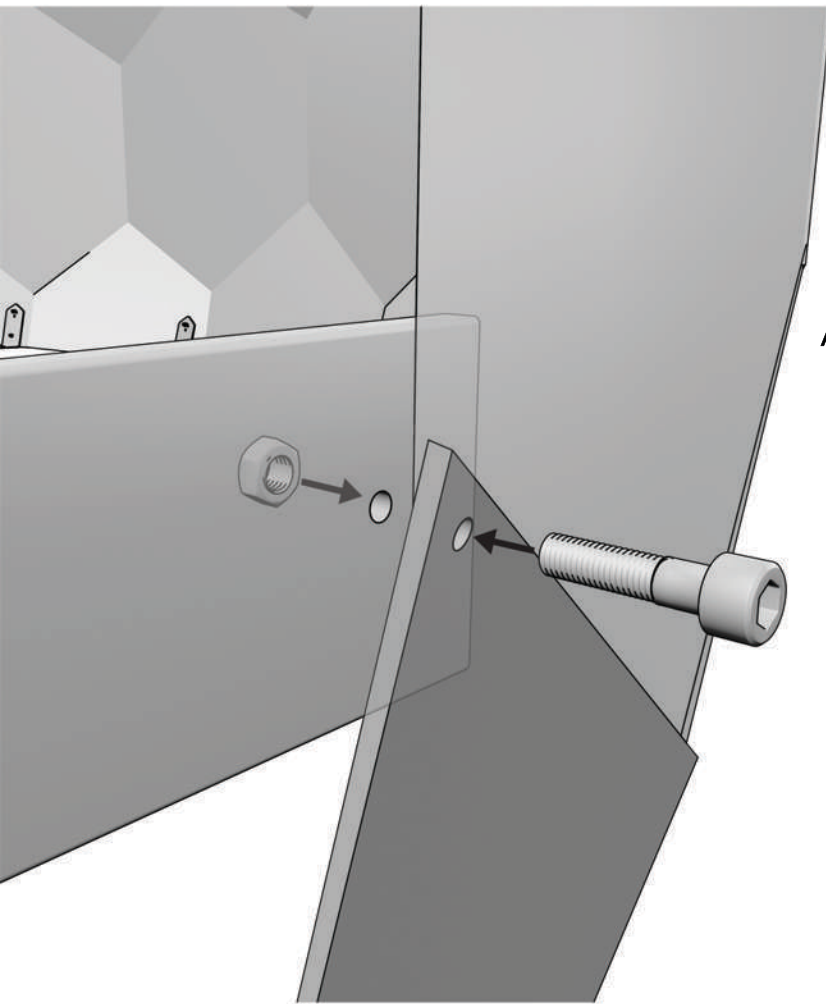


Before the assembly, make sure to remove the protective foil from both sides.

In the package you will find a set of feet.

Mount them in the joining points of all Level 1 panels, as shown in the drawing. Position of the top screw is adjustable, to match the panel angle. Do not anchor them yet.





After mounting each level, screw in the support bar  
(you will find it in the accessory box).

Use standard screws and nuts for joining  
the panels together.

Continue with the next level only  
once you confirm that the support bar is in place  
and all the panels are in their correct position.

Mount the bar at the entrance.

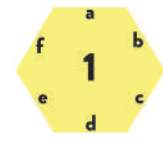
**Carefully adjust** the circumference to the circle drawn earlier and screw / anchor the feet.

# LEVEL 2

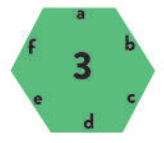
Prepare:



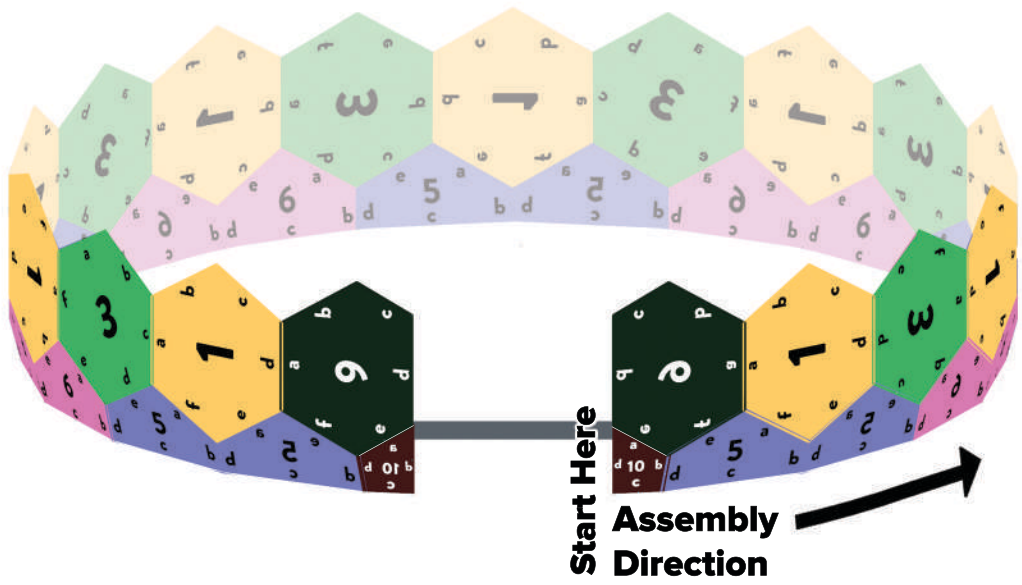
x2



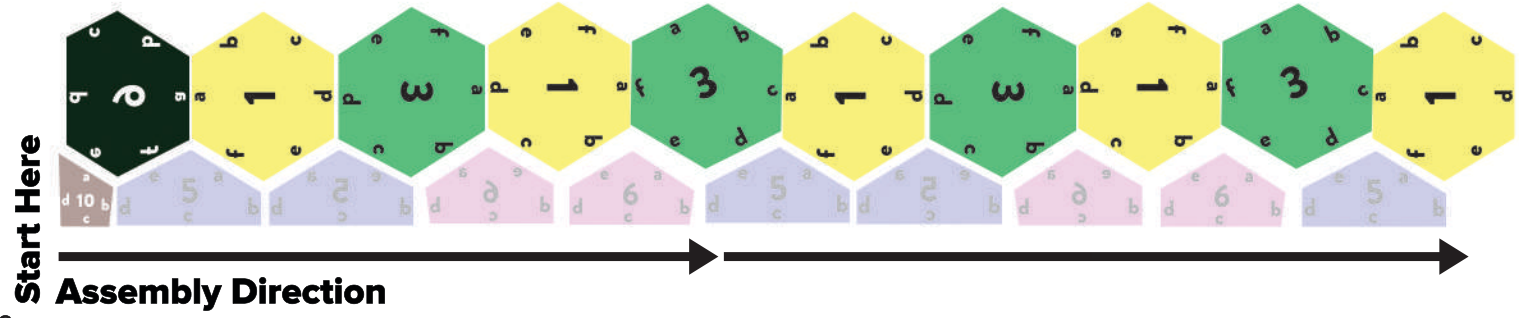
x9



x8

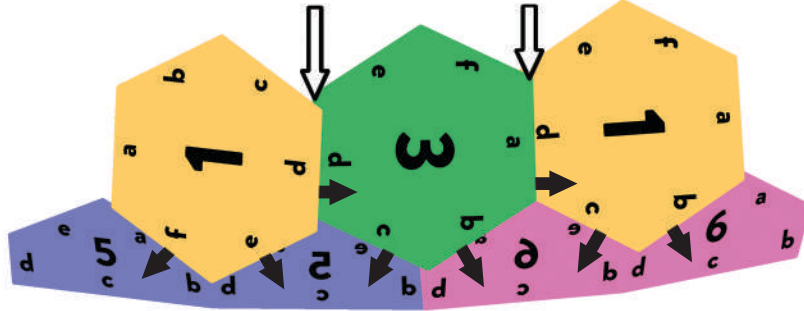


Reversed



## Panel Overlapping

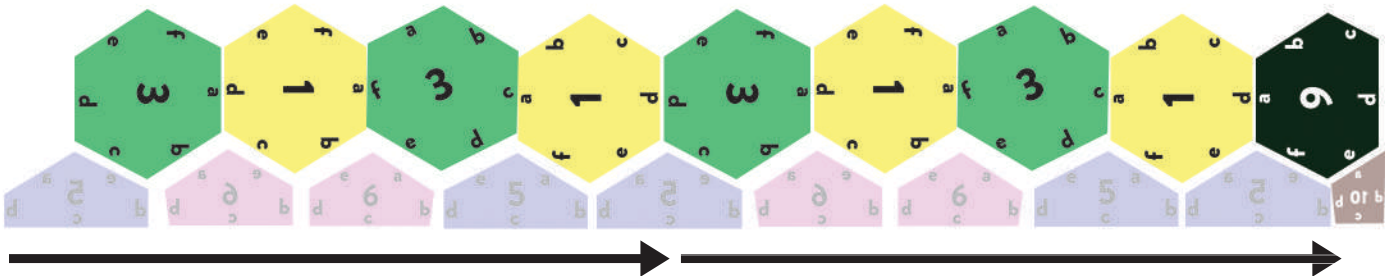
Do not screw together the top holes, they must be left empty to mounth the next level



Look at the diagram and ribbon at the bottom of the page, make sure you peel of edges of the foil. As usual start with the panel right to the door. Some panels are reversed. If you follow the ribbon closely you won't make any mistakes. **While screwing the panels together notice the corresponding letters (a, b, c, d, e, f).**

You can use pencil to mark already assembled panels on the ribbon below.

Make sure that the left-hand panel always overlaps the right-hand one and that all Level 2 panels overlap Level 1.

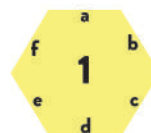


# LEVEL 3

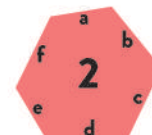
Prepare:



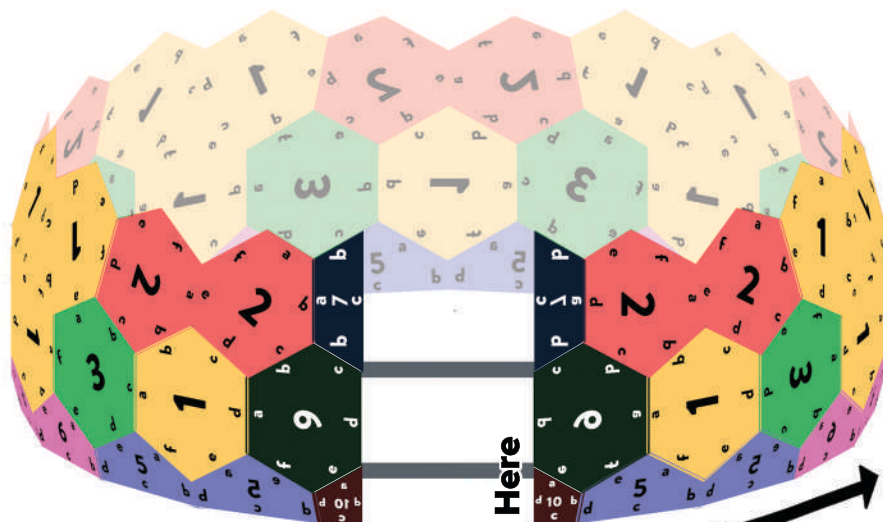
x2



x8



x10



Reversed

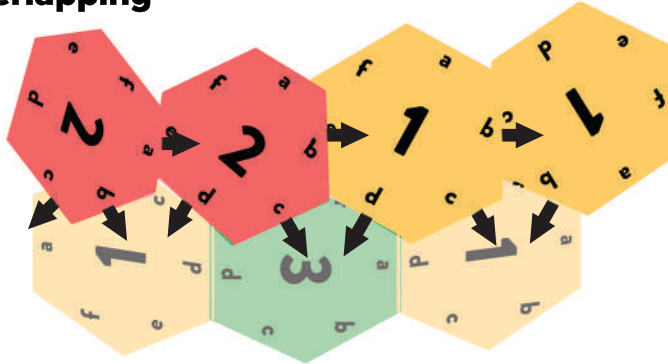
Start Here

Assembly Direction

Start Here

Assembly Direction

## Panel Overlapping

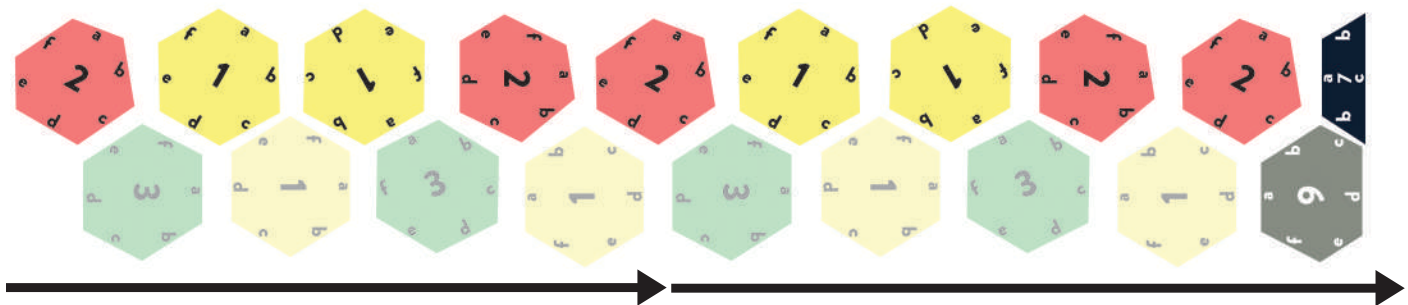


Look at the diagram and ribbon at the bottom of the page, as usual start with the panel right to the door. Some panels are reversed. Make sure you peel of edges of the foil.

You can use pencil to mark already assembled panels on the ribbon below.

Make sure that the left-hand panel always overlaps the right-hand one and that all Level 3 panels overlap Level 2.

Remember not to screw the top holes. They must be left empty to mount the next level.

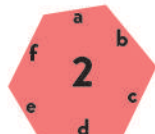


# LEVEL 4

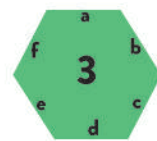
Prepare:



x2



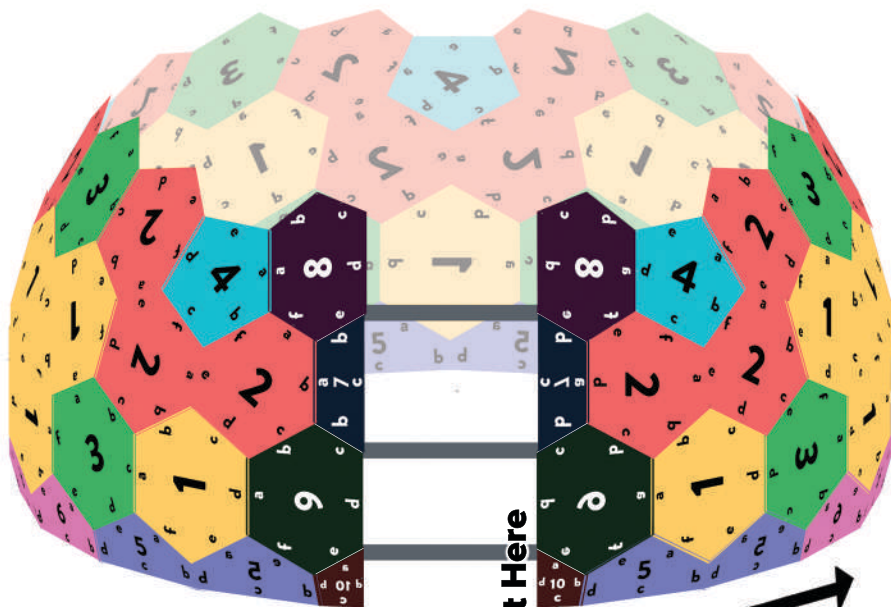
x8



x4



x5



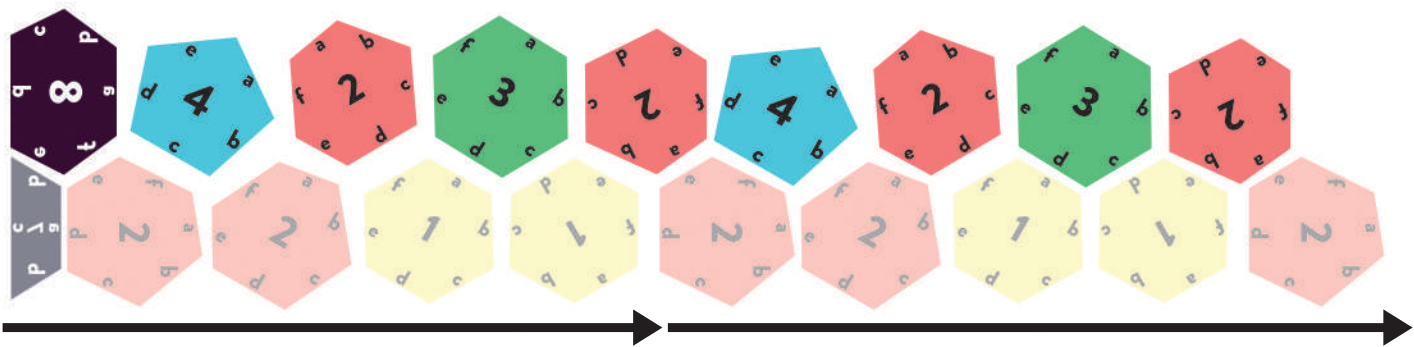
Reversed

Start Here

Assembly Direction

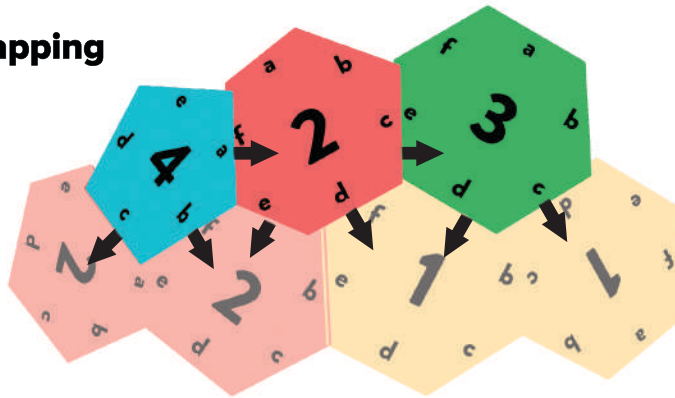
Start Here

Assembly Direction





## Panel Overlapping

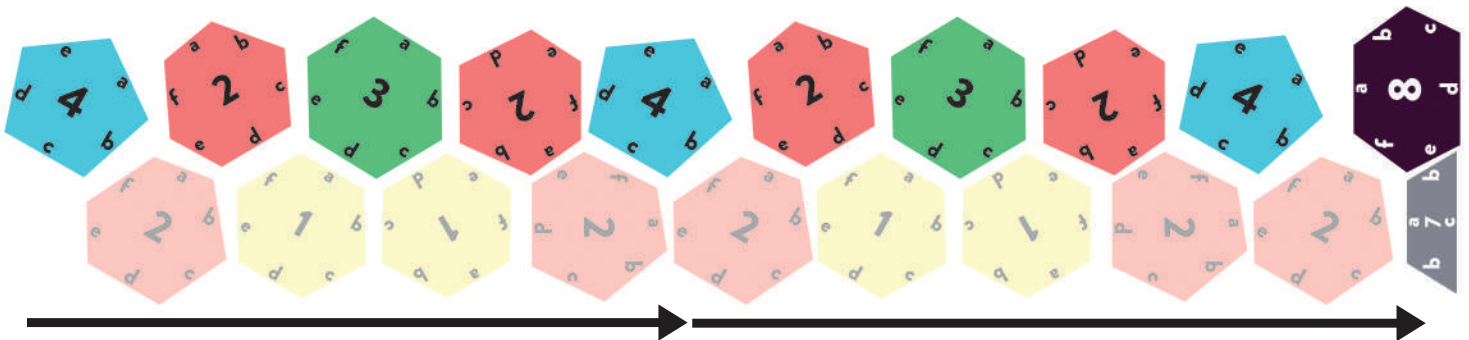


Look at the diagram and ribbon at the bottom of the page, as usual start with the panel right to the door. Some panels are reversed. Make sure you peel of edges of the foil.

You can use pencil to mark already assembled panels on the ribbon below.

Make sure that the left-hand panel always overlaps the right-hand one and that all Level 3 panels overlap Level 2.

Remember not to screw the top holes. They must be left empty to mount the next level.



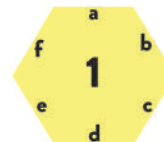


# LEVEL 5

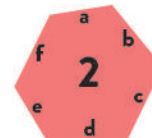
Prepare:



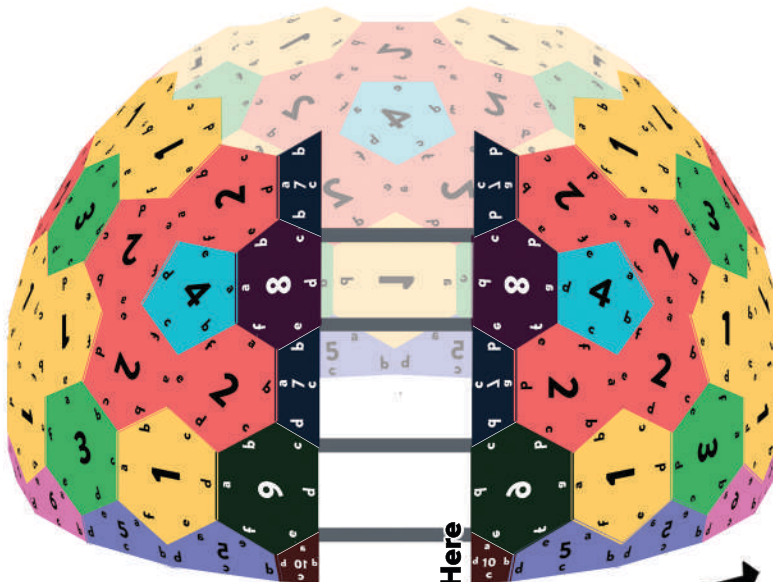
x2



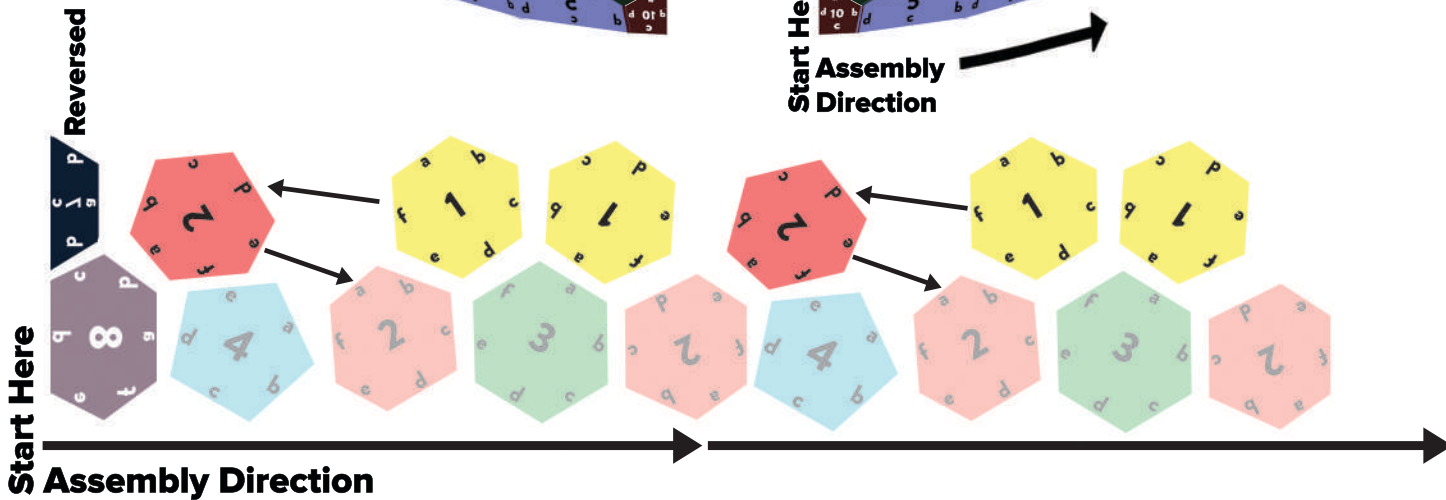
x8



x5



Start Here  
Assembly Direction

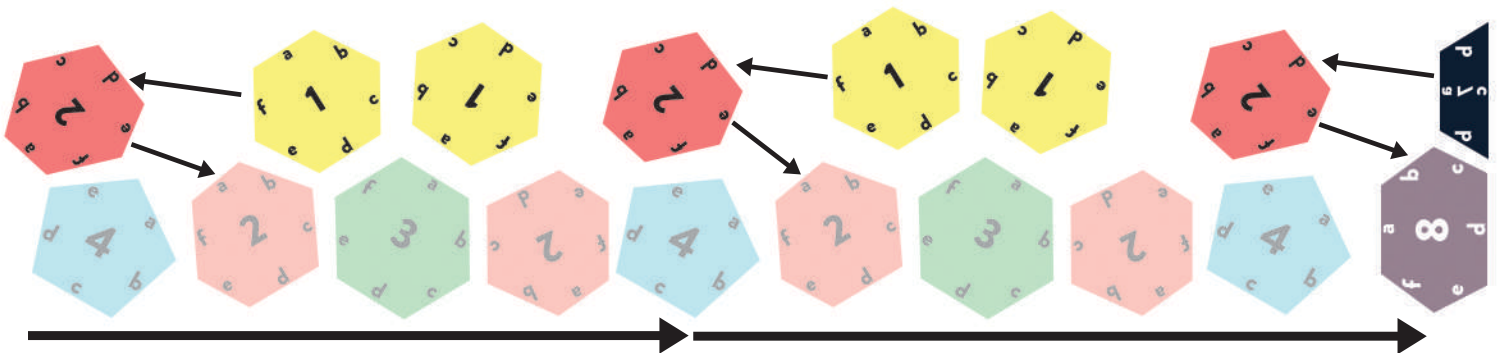


## Panel Overlapping



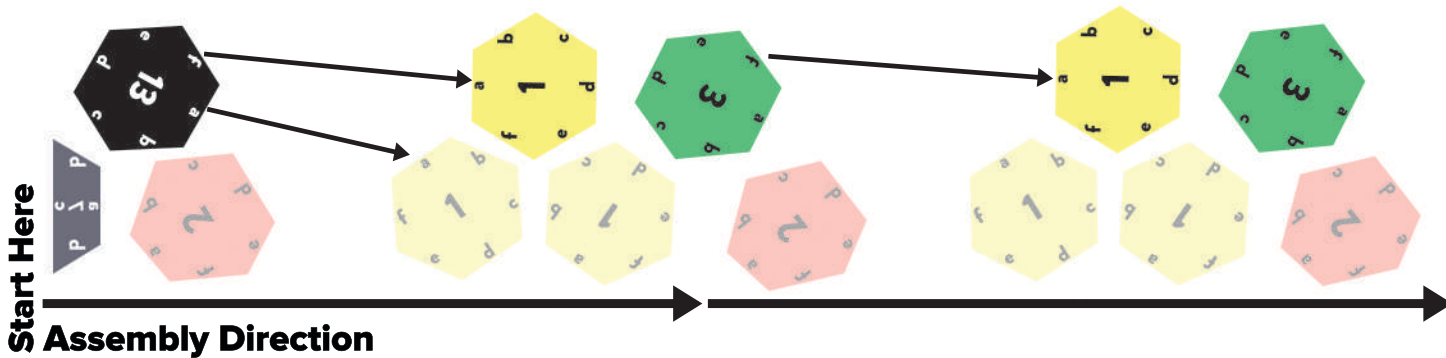
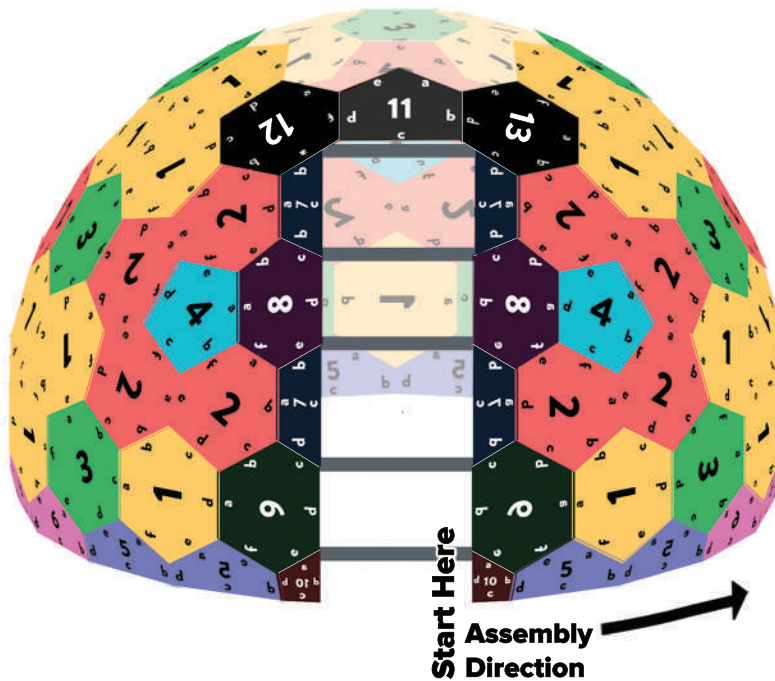
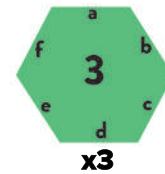
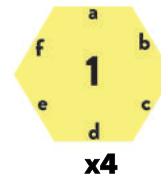
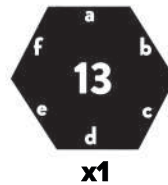
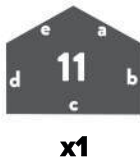
Remember about:

- corresponding letters (a,b,c,d,f)
- peeling of the foil from the edges
- overlapping
- not to screw the top holes
- setting the support bar

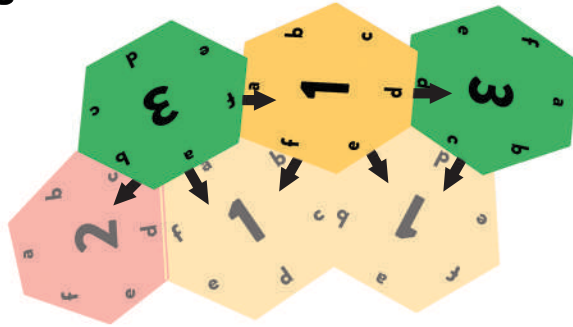


# LEVEL 6

Prepare:



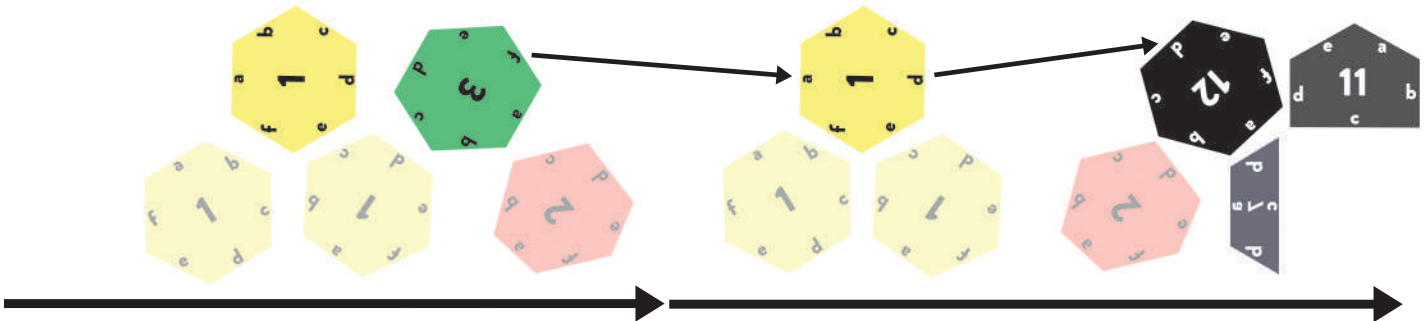
## Panel Overlapping



Remember about:

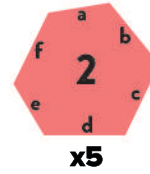
- corresponding letters (a,b,c,d,f)
- peeling of the foil from the edges
- overlapping
- not to screw the top holes
- setting the support bar

The higher level the more force you need to put for the screw holes to align. It is completely normal. Do not worry.



# LEVEL 7

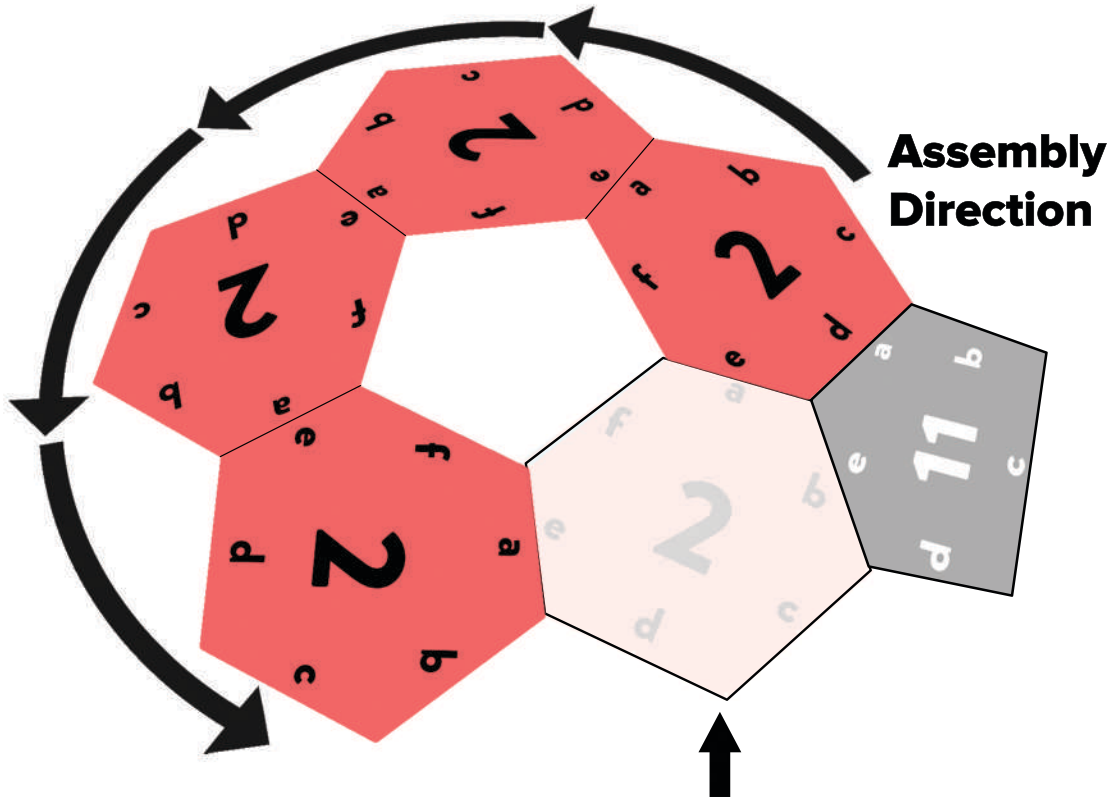
Prepare:



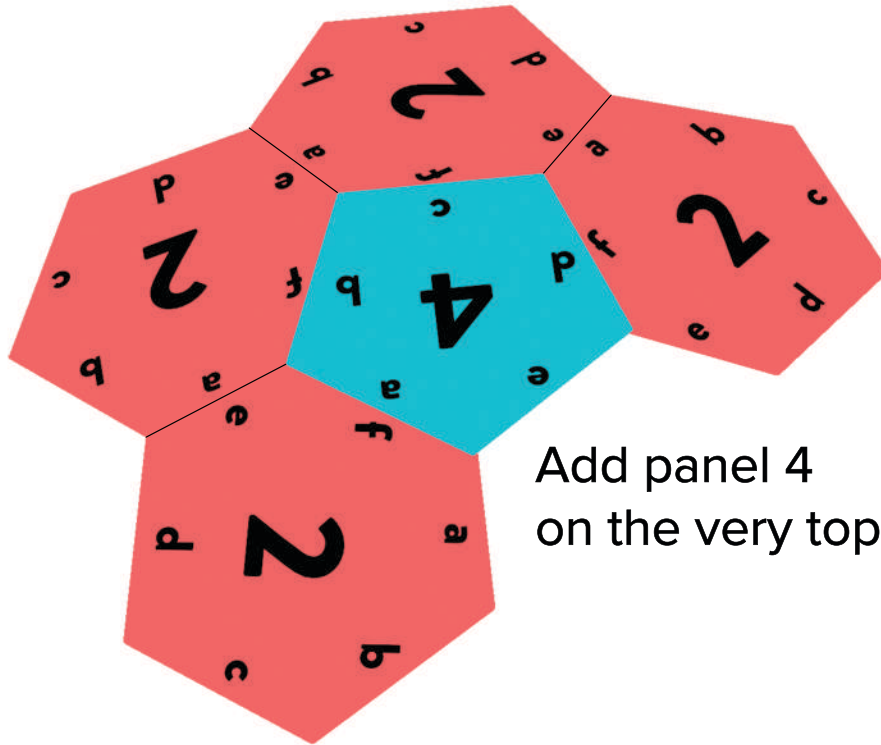
x5



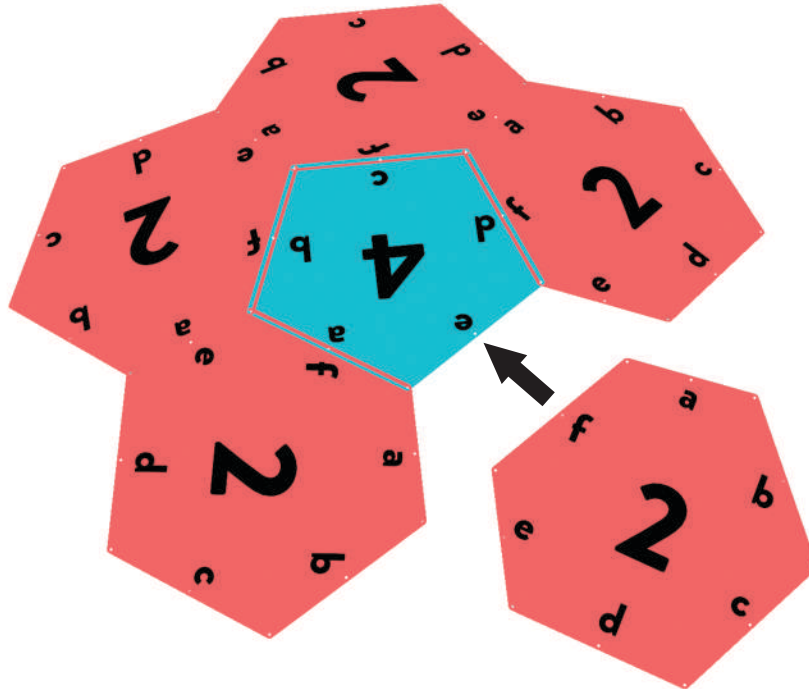
x1



Do not mount  
this panel yet



Add panel 4  
on the very top



Add the last panel (2). Please remember the **overlapping rule**.  
Panel 4 should be mounted on top and overlap all the panels below.

Once you do that, tighten all nuts and screws in your Hypedome.

# Frame and door assembly

In your package you have received an aluminium door-frame elements, set of screws and necessary tools.

Put everything inside the Hypedome and start the assembly.



# In the set you will find:



Top bar **x1**



Threshold bar **x1**



Bottom arch elements **x6**



Top arch elements with the strips **x2**



35 and 45mm  
screws



Dome  
nuts



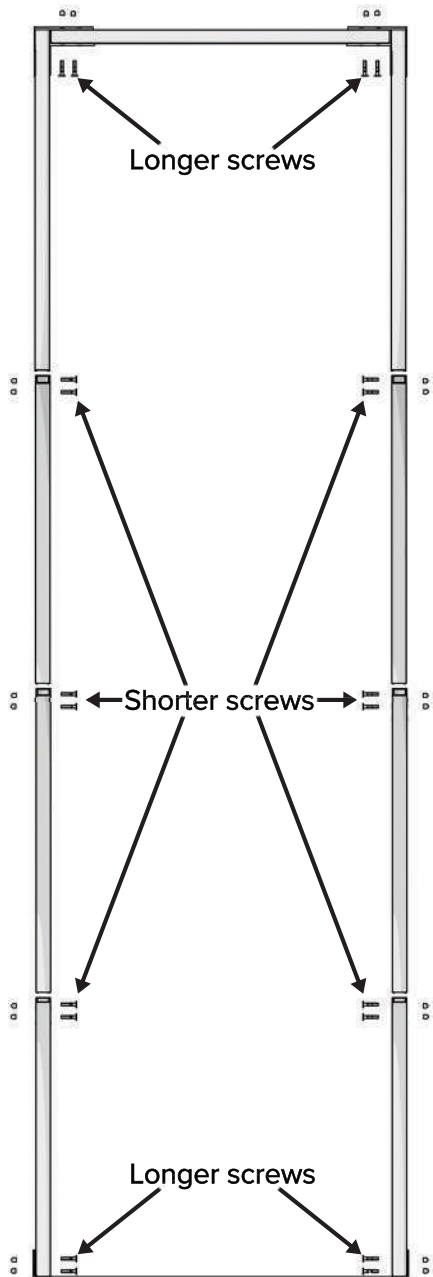
"4" Hex key  
and the power tool bit.



"10" combination  
wrench



Small  
drill bit



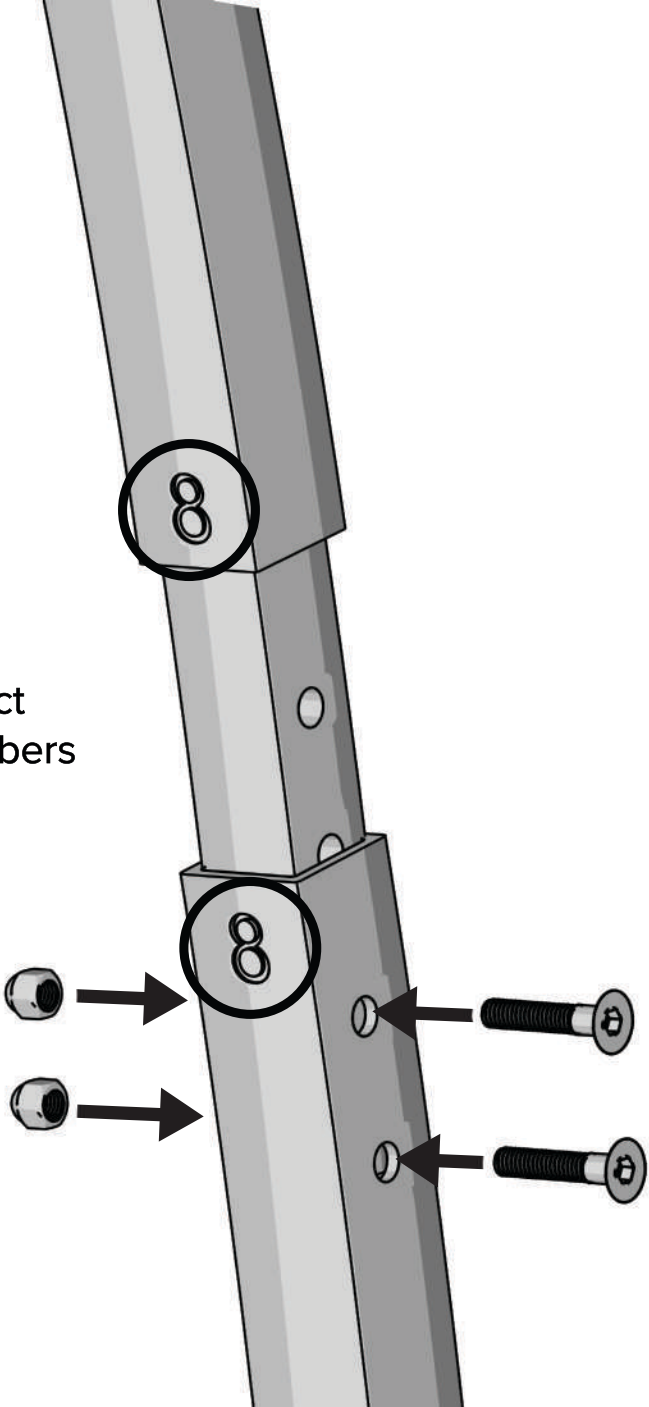
Scan to watch the video

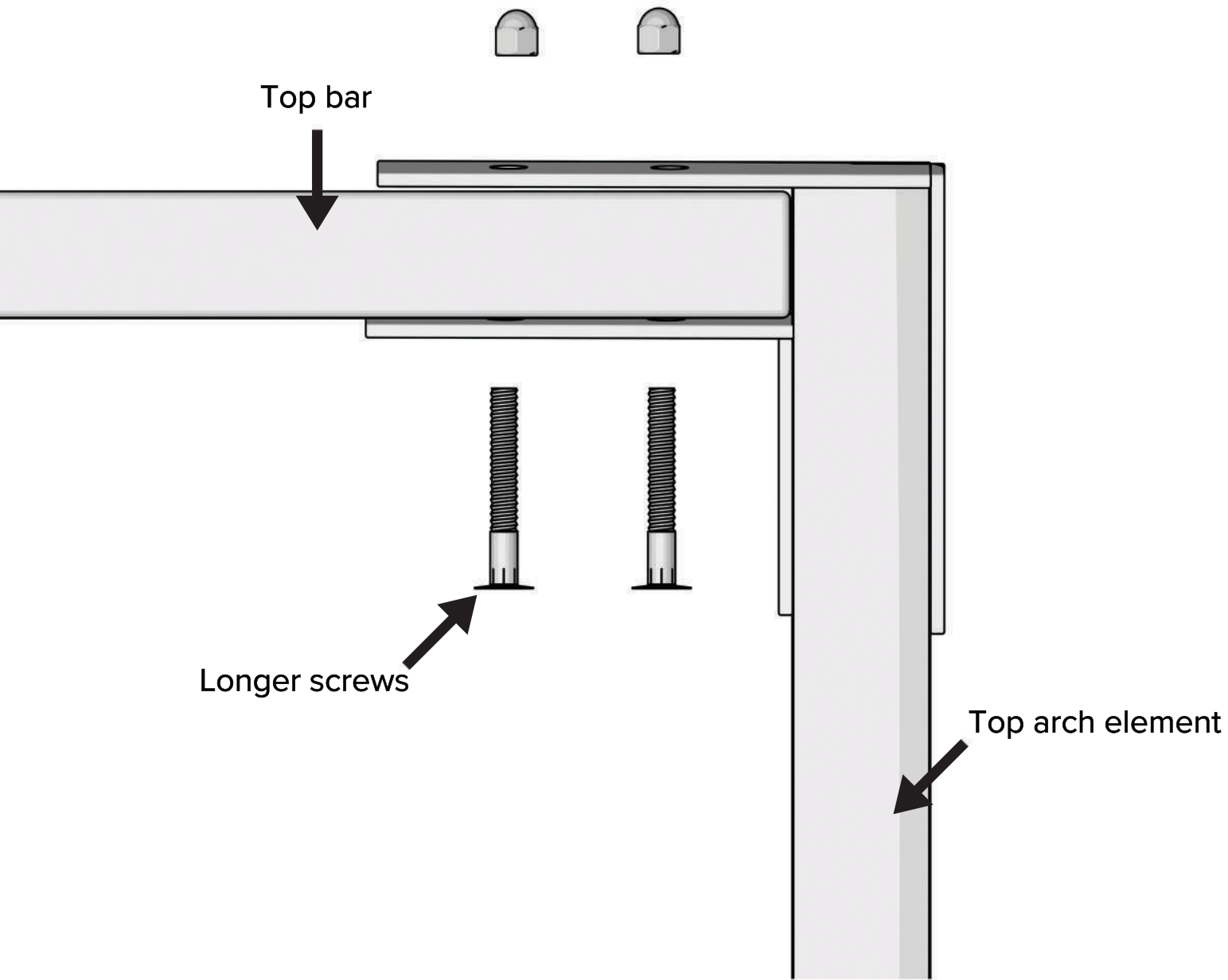
Start from the top of the frame.

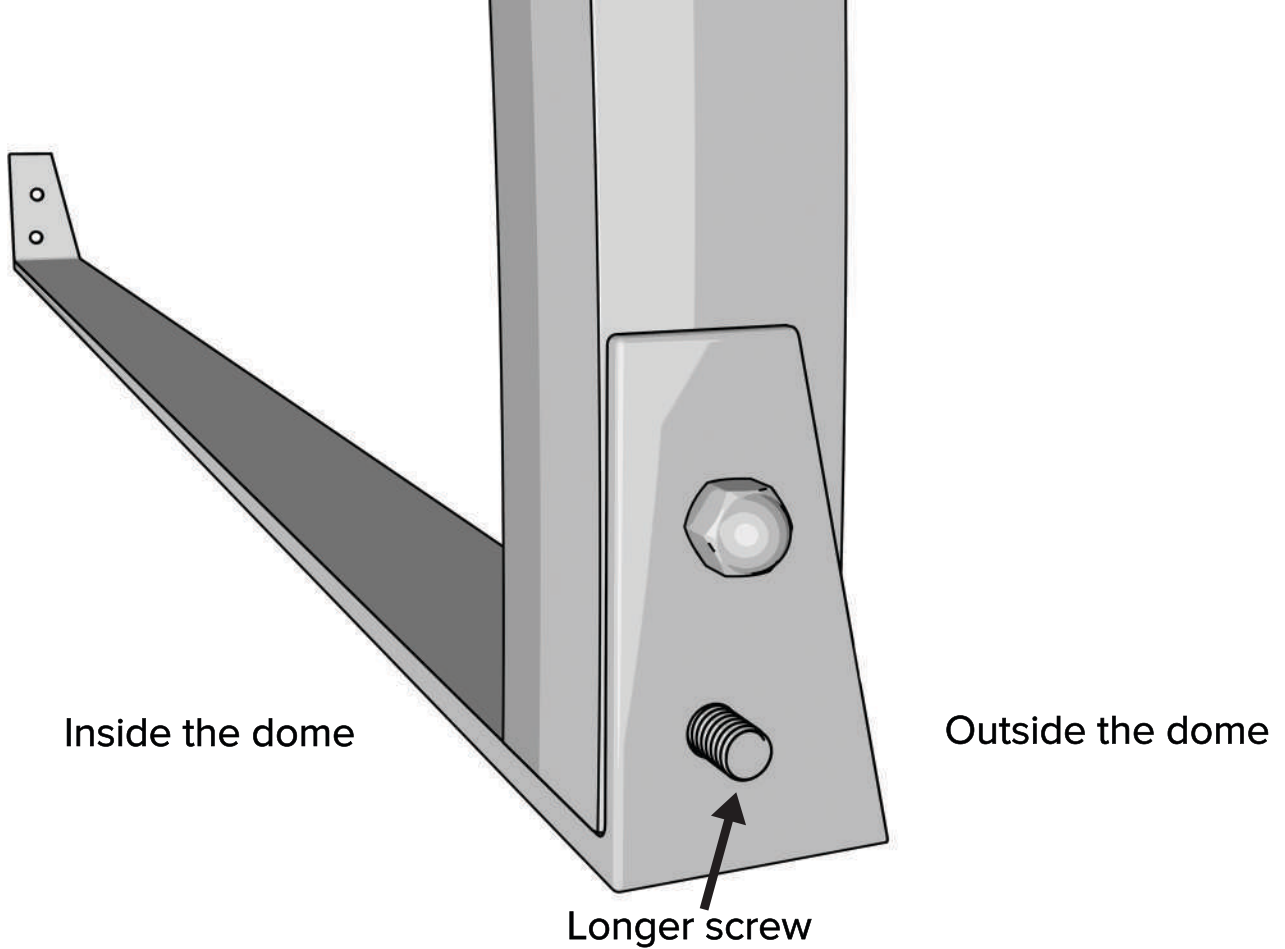
Take note of the numbers  
at the each end of the arch element.

Join ends with matching numbers.

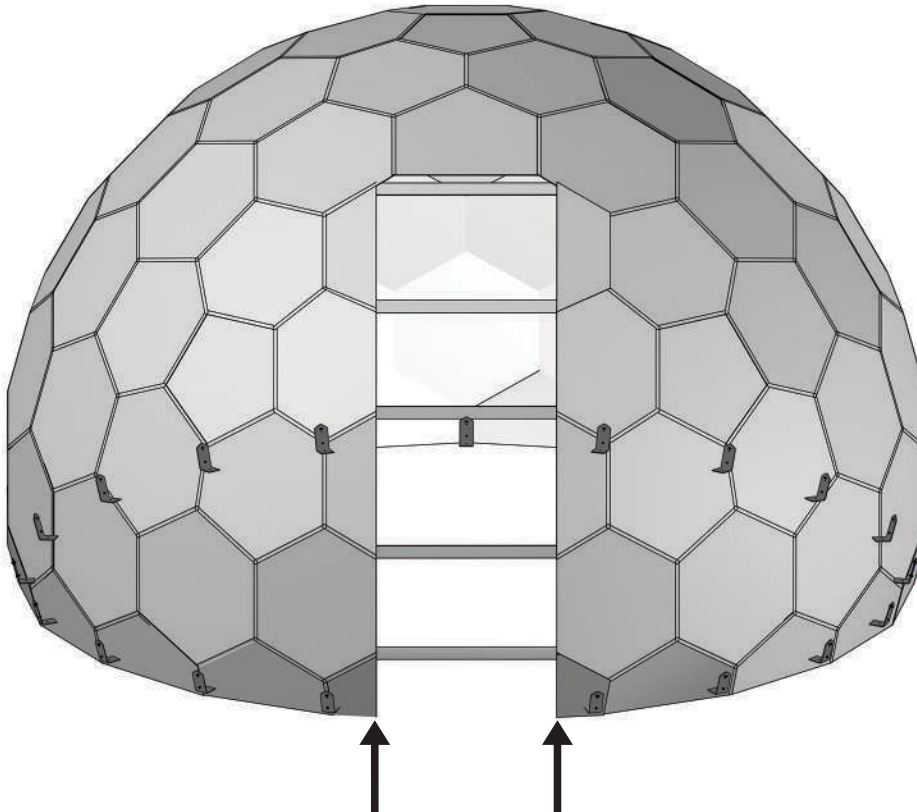
Always connect  
matching numbers







Mount the threshold bar to the bottom arch elements (without the plugs). Choose end with the aligning angle and screw holes as shown in the picture. Use longer screws, dome nuts and “10” combination wrench to assemble this part.



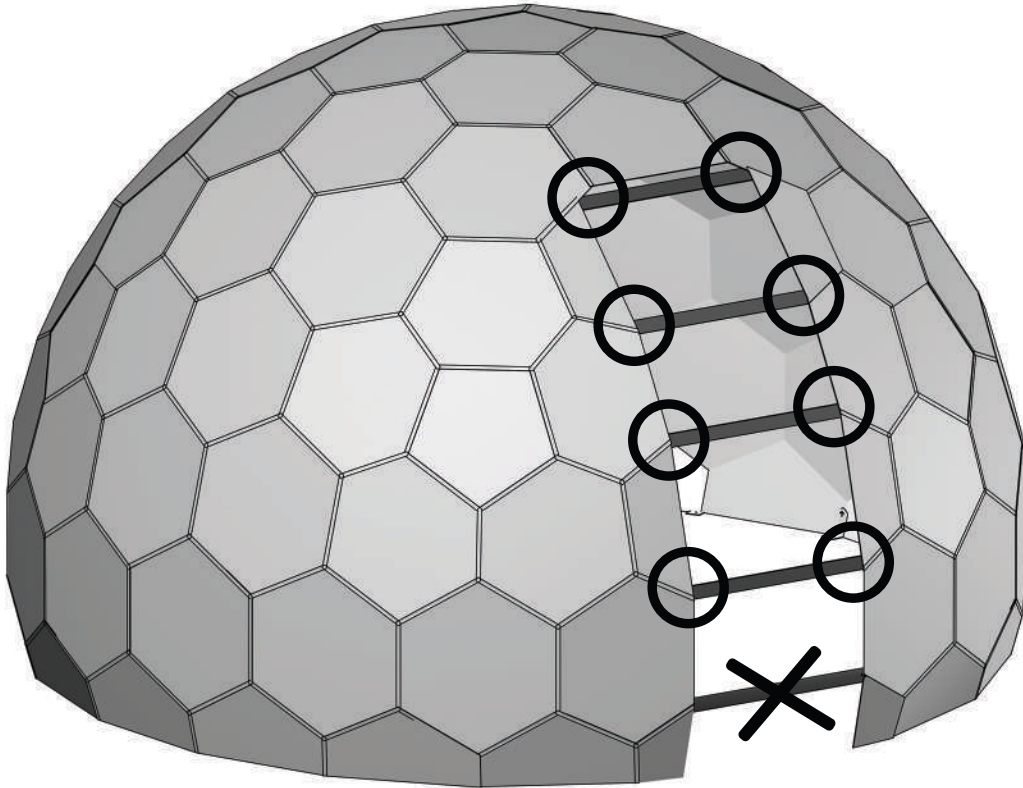
Opening must be precisely **71 cm (27.95 inch)** wide.

Attach feet using pegs or deck screws with tools you will find in the **deck screws** bag. Start with feet next to the entrance (joining panels 10 and 5).

Make sure that opening width is precisely 71 cm (27.95 inches).

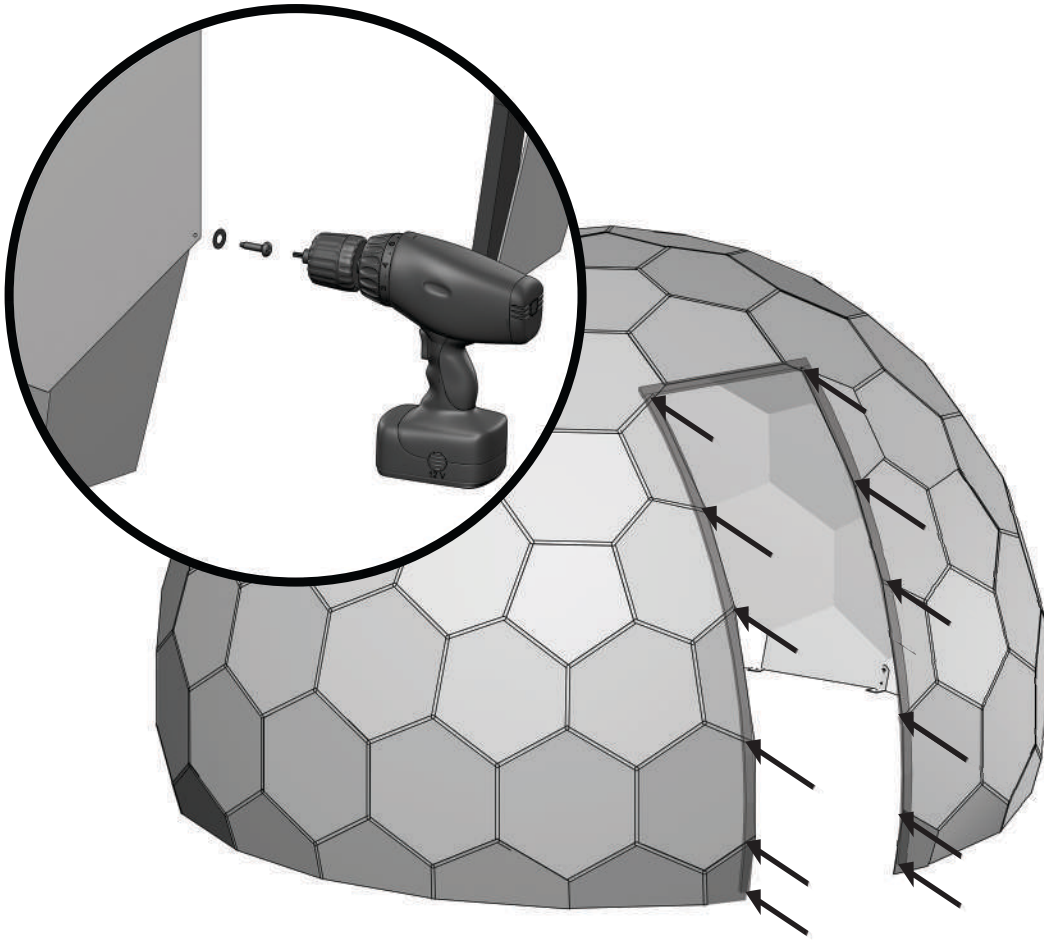
In the next step form a circle while mounting rest of the feet.

While you do that, check that the dome is circular and 350 cm (137.80 inches) wide at the ground level.



In places marked by the circles (ends of the support bars), unscrew nuts and move screws in a way that they barely protrude the panels.

At the end completely remove the bottom support bar. Keep other support bars in place.



Scan to watch the video

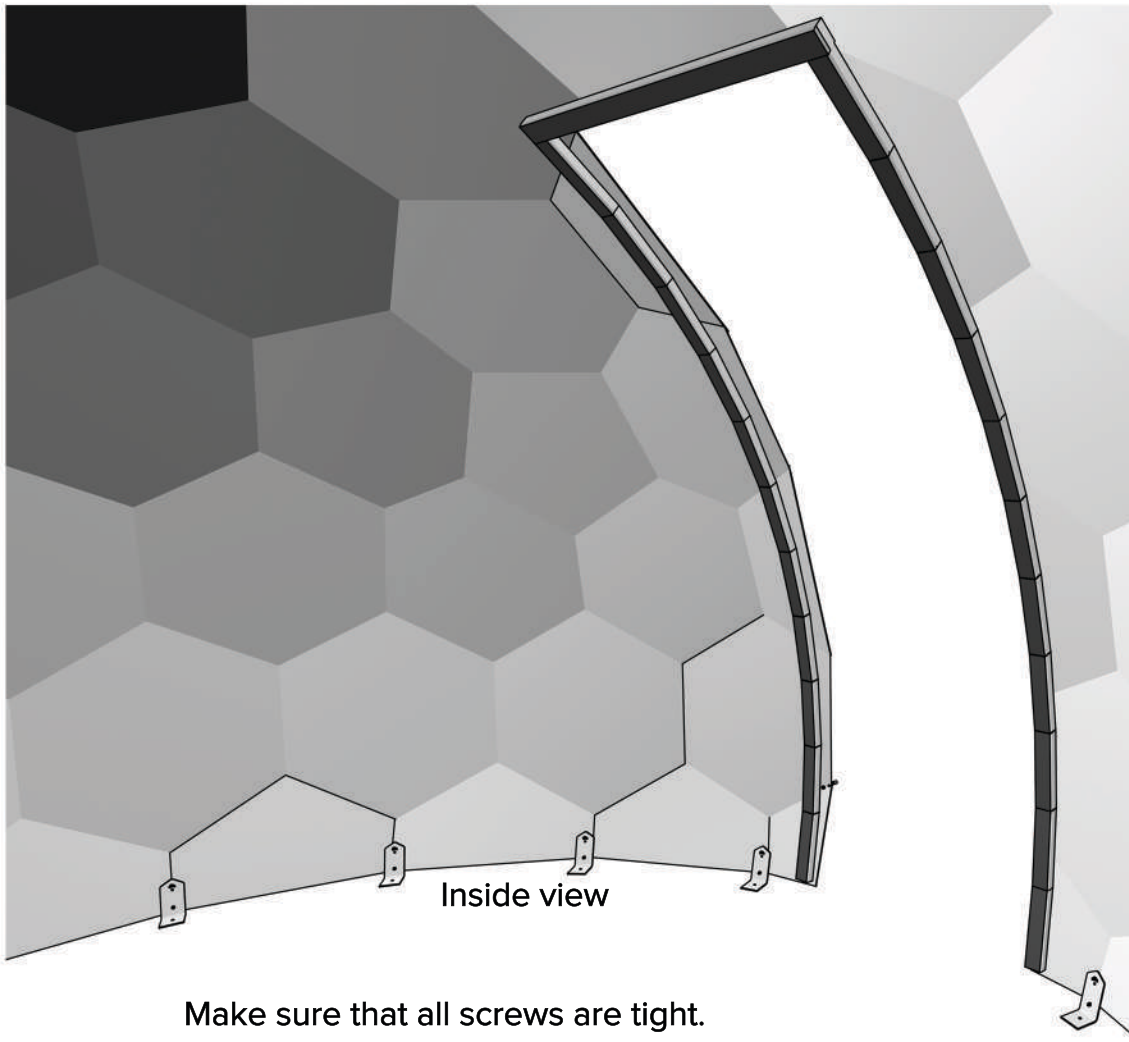
Using a power driver, self-tapping screws and washers attach frame to the panels.  
Move upwards removing each support bar.

If you have trouble screwing to the frame, drill a pilot hole (use the drill bit included in the kit).





Scan to watch the video



Make sure that all screws are tight.

Slide the door into the top rail. Unzip them and gently press the side straps into the rail.

With the door closed always roll the excess part out - it will prevent water from getting in.

**Congratulations, your Hypedome is ready to use.**

# Cleaning

Avoid cleaning with dry cloth as you will scratch the surface with hard dust particles. Hypedome should always be cleaned wet, with excess water removed with cloth optionally polishing the surface at the end.

You can use provided micro-fiber cloth, lukewarm water and dishwashing liquid. Then you should rinse the Hypedome with cold water and dry with soft cloth, to reduce water spots.

## **Avoid:**

- Abrasive tools
- Hard cloths
- Water squeegees
- Detergents based on alcohol, gasoline and high-alkalic liquids.

## **Tips:**

- Never leave detergents on the polycarbonate panels for long period. Immediately rinse them with clean, cold water.
- Do not put detergents on while exposed to strong sunlight.
- While using a pressure washer, do not keep the nozzle too close to the panels, as water can get through joints.
- Before using detergent for the first time, you should always check it on a small not visible part of the panel.
- Avoid dry cleaning, as dust particles can scratch the panel surface.



If you have any issues with the assembly or notice missing / damaged parts  
contact us: **+44 20 3868 9269** [support@hypedome.com](mailto:support@hypedome.com)