

# ArcticDome 25

## INSTALLATION INSTRUCTIONS

The Arctic Dome tent can be installed by two to three people in under an hour. The installation work will be further simplified if a crane or lift is used.

It is important for you to follow these installation instructions, therefore read these instructions carefully before you get started.

### OVERVIEW OF INCLUDED PARTS

There are 4 frame elements.  
See Figure 1.

- 6 unites of Element 5K (5-edged frame piece)
- 8 unites of Element 6K (6-edged frame piece)
- 5 unites of Element 6 KH (half 6 edge)
- 2 unites of Element 6KD (6 edges with an opening for the door)

You can connect the parts using the included coupling plates.  
See the next page.

Prior to installation, all the parts should be checked for any possible damage or deficiencies.

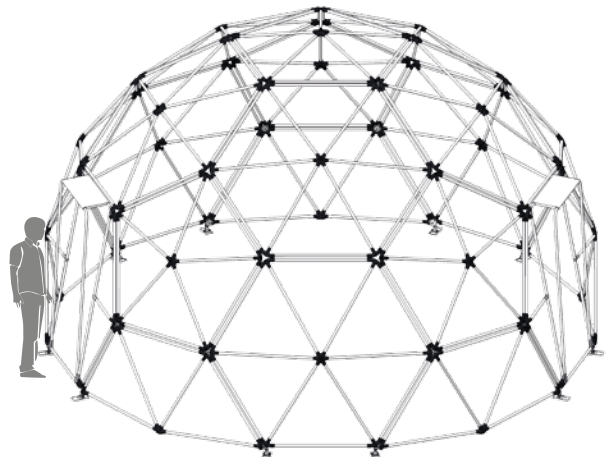
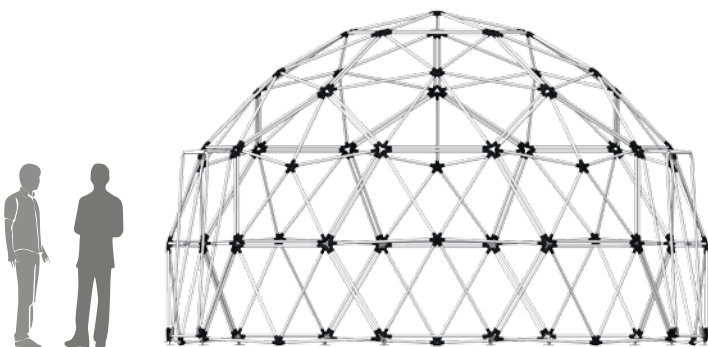
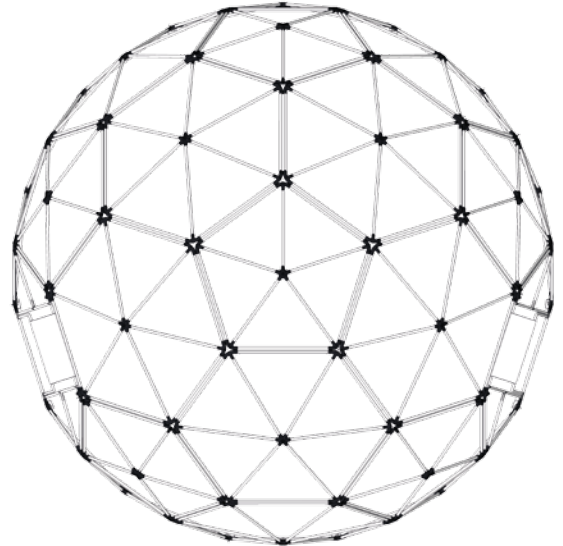
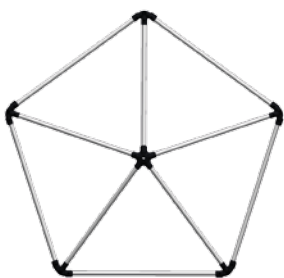
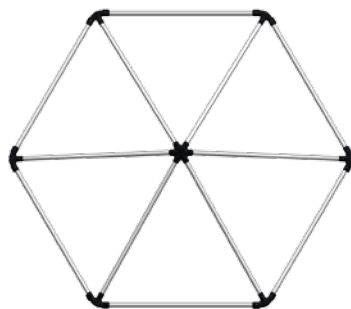


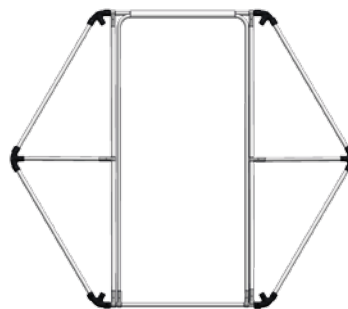
Fig. 1



Element 5K



Element 6K



Element 6KD



Element 6KH

## OVERVIEW OF INCLUDED PARTS

Ensure that all the parts are included in the kit and that they have no transportation-related damage or other eventualities that can create problems during installation.

The set includes:

1 unit outer fabric with windows and doors. Figure 2

1 unit inner fabric with curtain and skylight. Figure 3

117 units fastening screws M8x30 (M8-1)  
10 units fastening screws M8x20 (M8-2)  
10 units discs M8 (S8-2)  
14 units fastening hooks for the inner fabric (F1)  
40 units coupling plates (KP)  
10 units frame supports (SF)

Figure 4

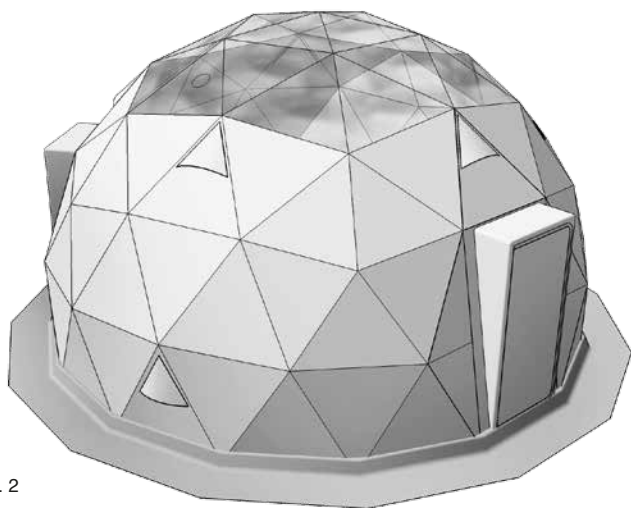


Fig. 2

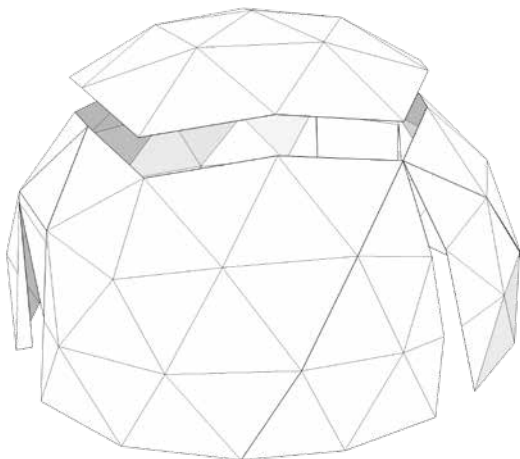


Fig. 3

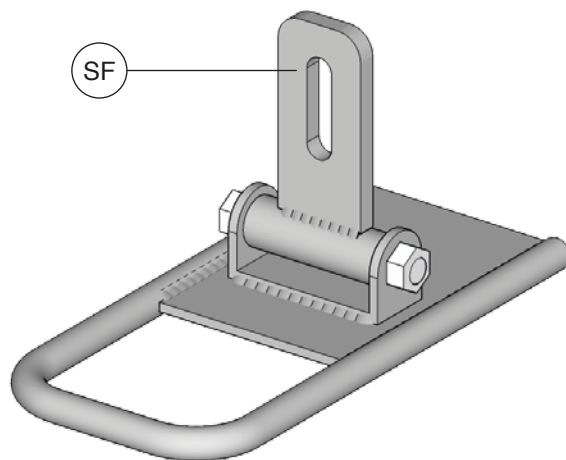
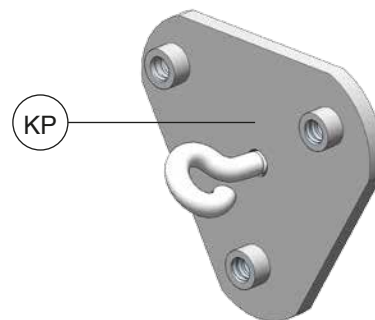
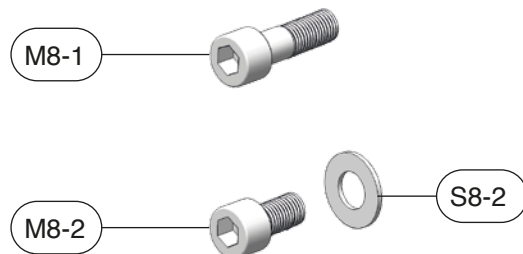


Fig. 4

## GENERAL INFORMATION REGARDING ASSEMBLY

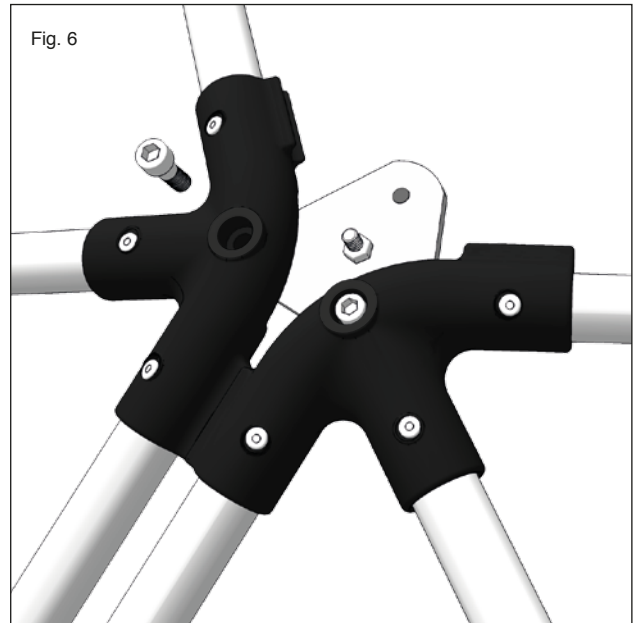
All of the various frame elements (5K), (6K), (6KD) and (6KH) must be connected together with a coupling plate (KP) at each corner. See Figure 5.

All corners in the frame elements are made with tracks (NF) with a “male part” and “female part” which fit into each other. The coupling plate (KP) is to be used at all corners.

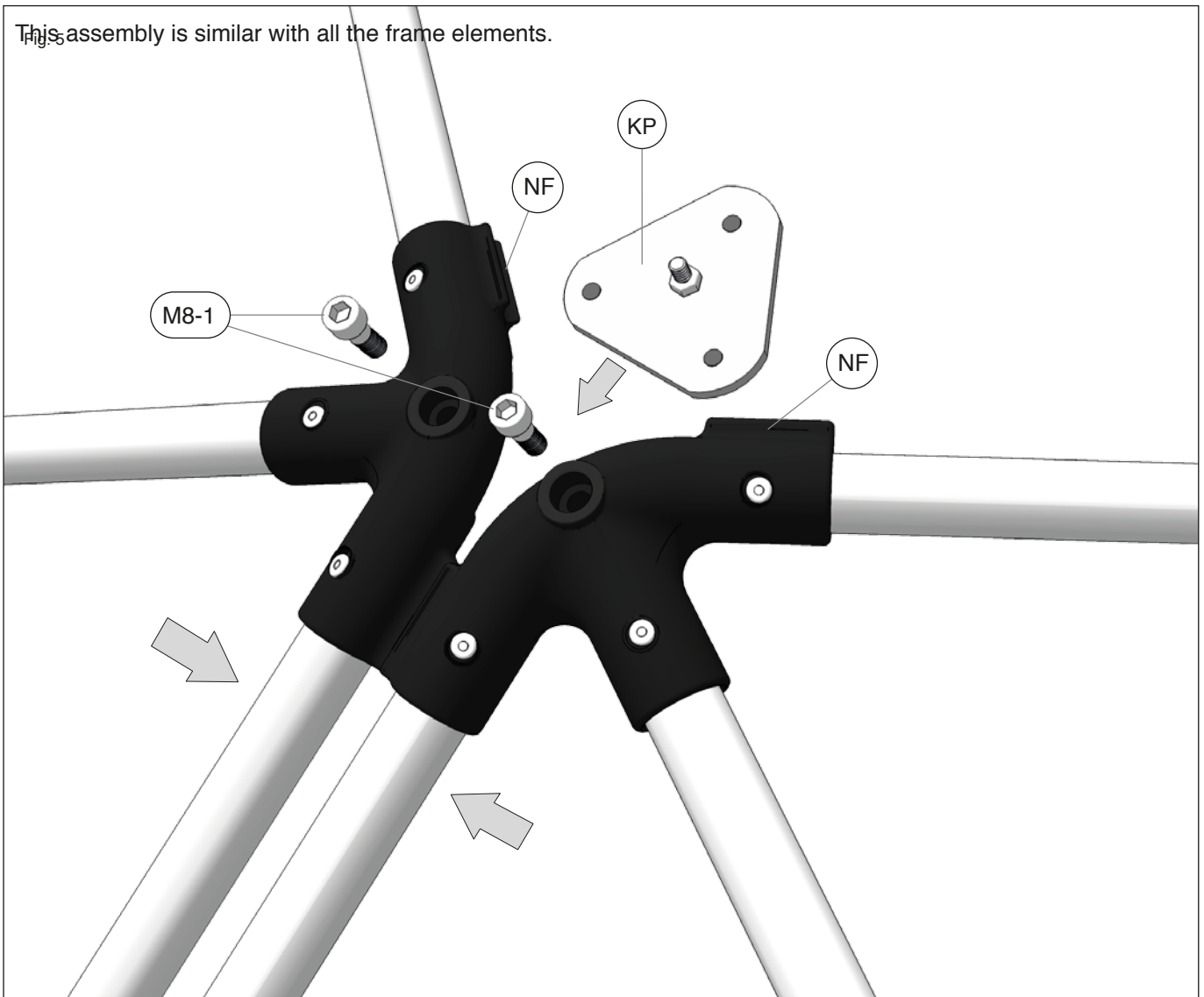
After the frame parts (5K), (6K), (6KD), (6KH) are put together, make sure that the tracks (NF) are located correctly in each other.

Then place a coupling plate (KP) in the two corners that are located against each other. Make sure that the right/flat side of the coupling plate faces the plastic parts. See Figures 5 & 6.

Then insert 2 units (M8-1) and tighten the screws next to them. Do not tighten the screws until the entire frame construction is complete.



This assembly is similar with all the frame elements.



## GENERAL INFORMATION REGARDING ASSEMBLY

A support foot (SF) must be mounted at the bottom of all the corners of the frame element (6KH).

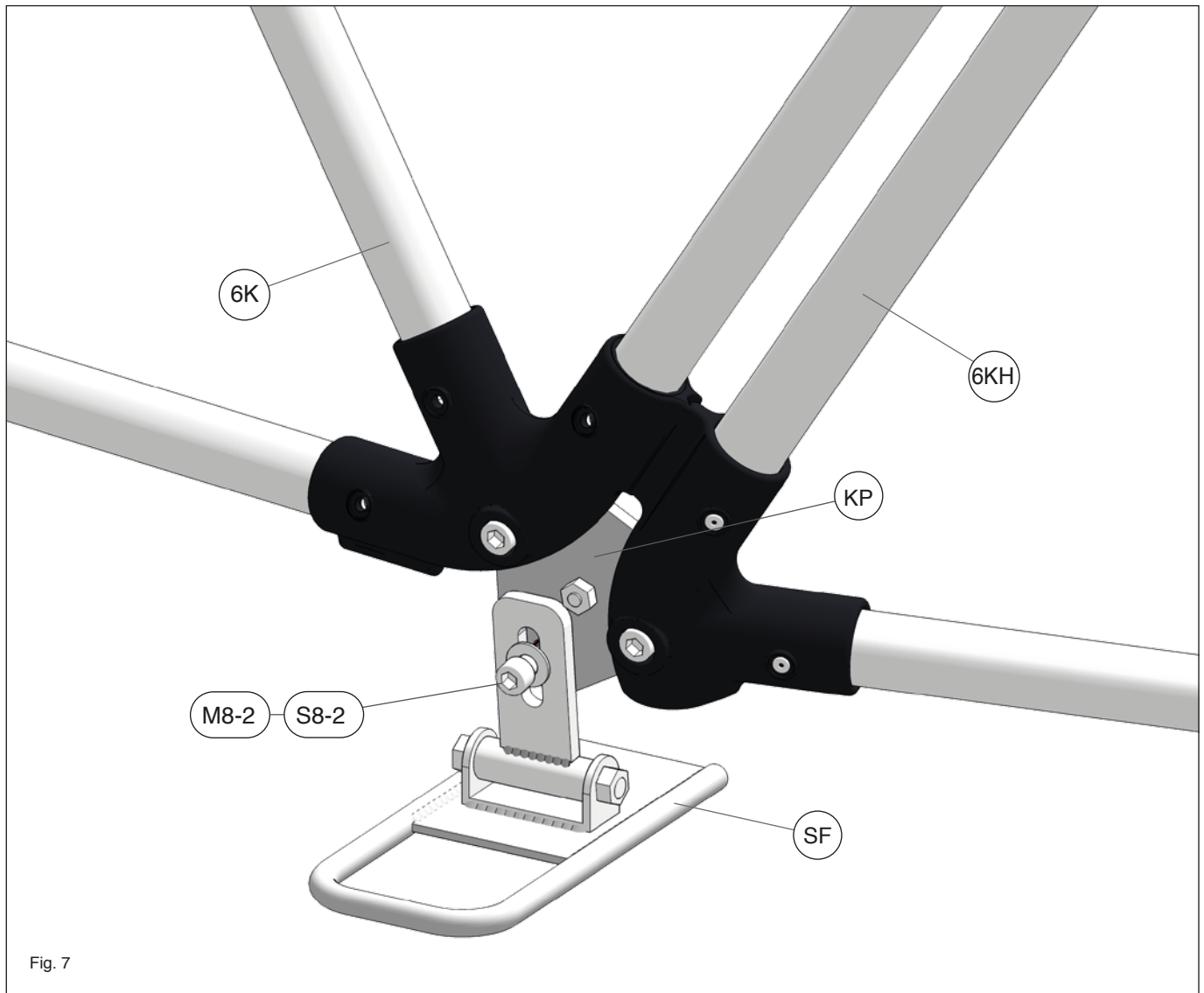
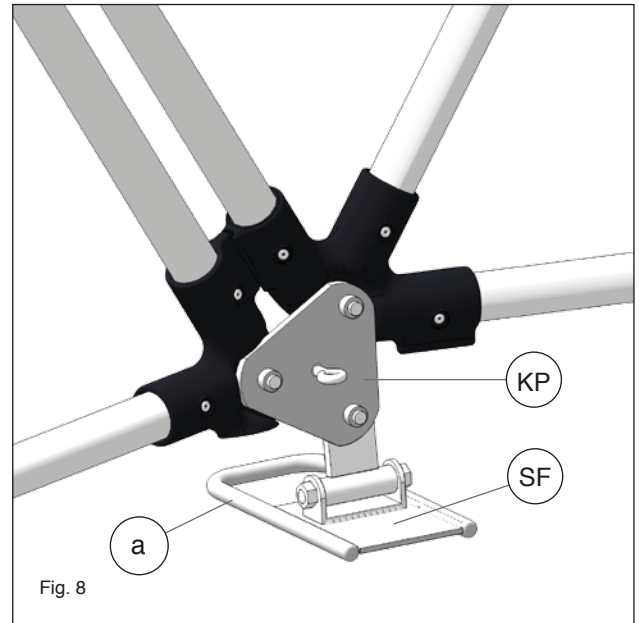
The support foot acts as load relief and levelling for the entire frame.

After the coupling plate (KP) is installed as shown on the previous page, the support foot (SF) is to be installed on the coupling plate facing down or towards the ground.

Fasten the support foot (SF) with 1 screw (M8-2) with corresponding disc (S8-2).

Make sure that the open part (a) of the support foot (SF) is facing out of the tent, see Figures 7 and 8.

This assembly for all 10 support feet (SF) is the same for all the frame elements (6KH).



## INSTALLATION OF FRAME PARTS

Start the assembly with 1 element (6KD) and 2 units of (6KH).

Place the elements facing each other as shown on the drawings on this page.

Attach the frame parts together with coupling plates (KP) with accompanying screws (M8-1).

Then mount the support foot (SF) to the bottom.

Do not tighten the screws hard until the entire frame is assembled together.

See pages 3 and 4 for more detailed instructions on mounting coupling plates (KP) and support feet (SF).

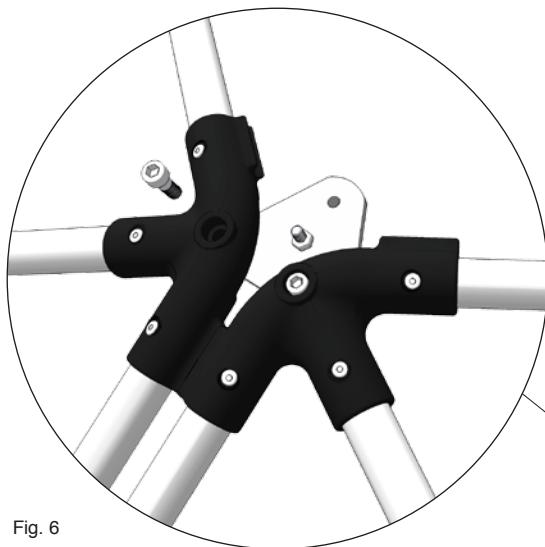


Fig. 6

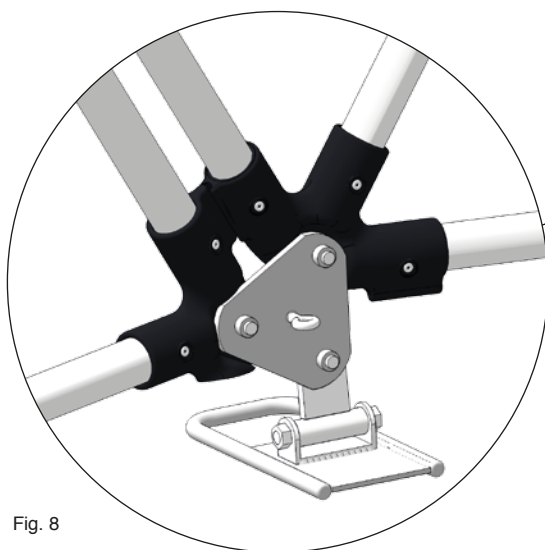
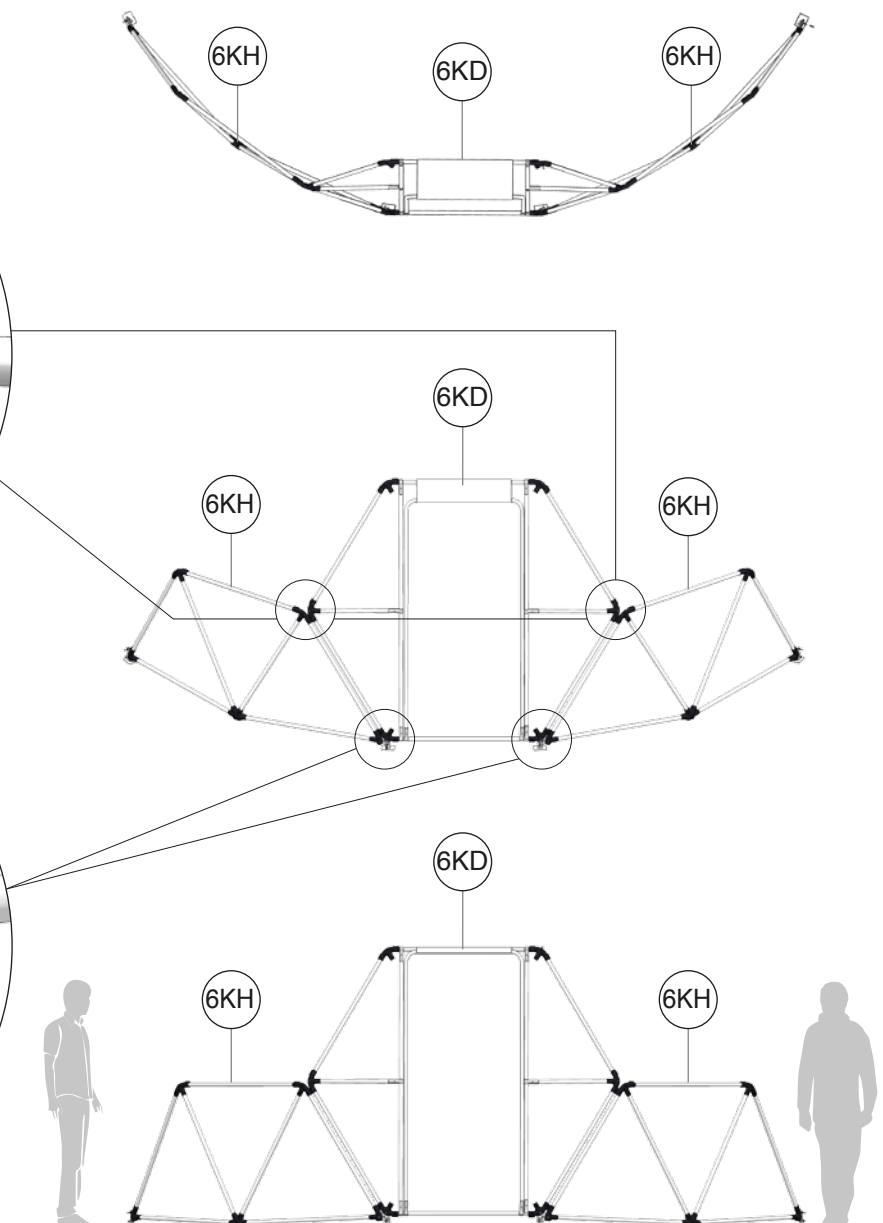


Fig. 8





Then mount 3 hexagonal elements (6K) 1 door element (6KD) and 3 half hexagonal elements (6KH).

Start with a hexagonal element (6K) to continue building on from the previous page. Then continue with a half hexagonal element (6KH) and then a door element (6KD).

Then continue with half hexagonal elements and secant elements until the entire ring is closed. Install support foot (SF) on all the half hexagons.

See the drawings and overview of elements on this page.

Do not tighten the screws hard until the entire frame is assembled together.

See pages 3 and 4 for more detailed instructions on mounting coupling plates (KP) and support feet (SF).

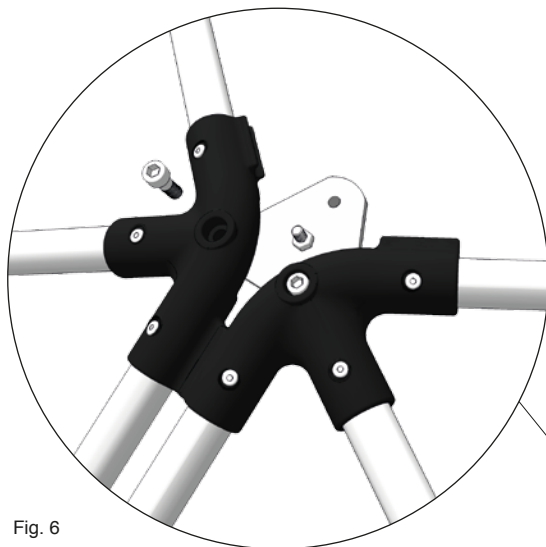
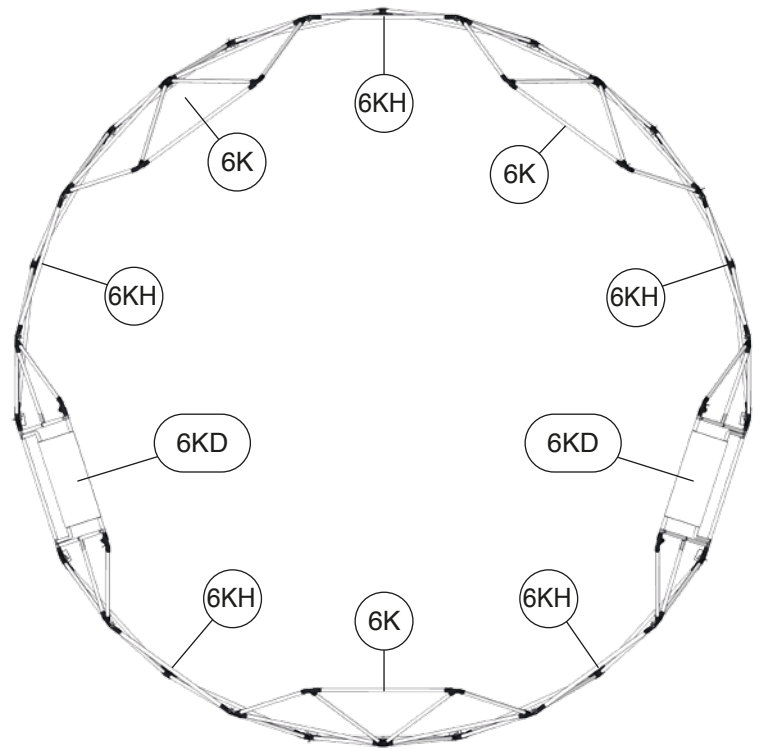


Fig. 6

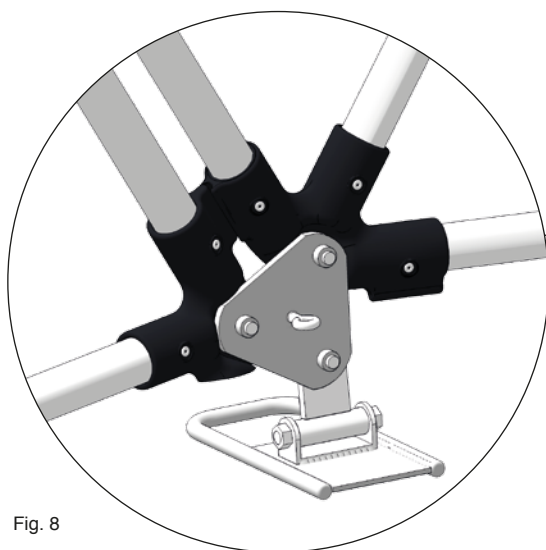
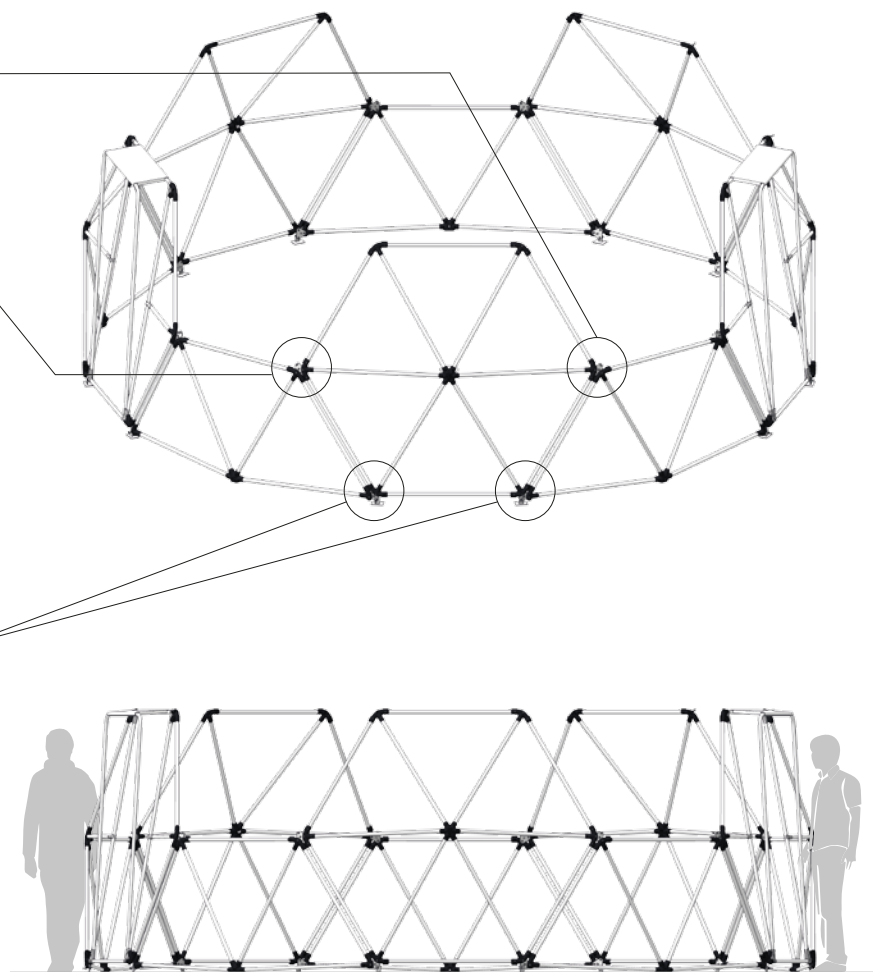


Fig. 8



Then attach 5 5K elements

Carefully lower the frame elements against the other elements. Ensure that the five-edge frame elements control track (NF) and coupling plate (KP) come together correctly. You should not have to use much effort to put these together.

See the drawings and overview of placement of the elements on this page.

Do not tighten the screws hard until the entire frame is assembled together.

See pages 3 and 4 for more detailed instructions on mounting the coupling plates (KP).

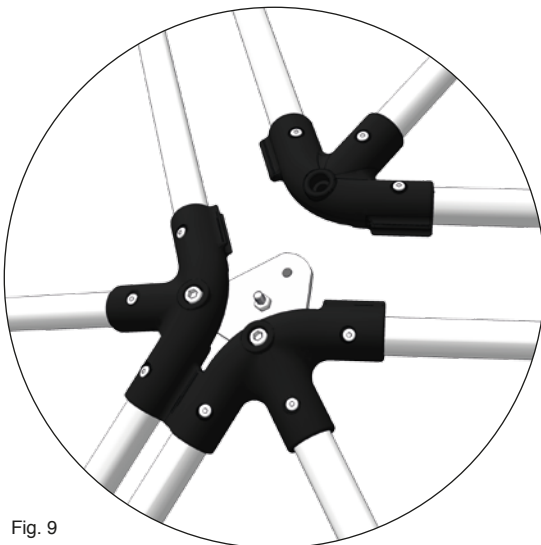
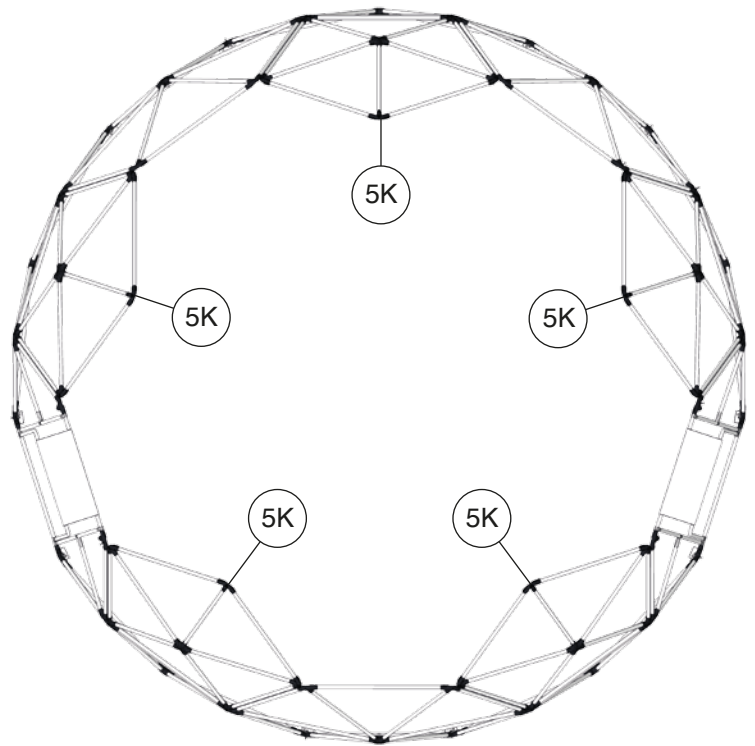


Fig. 9

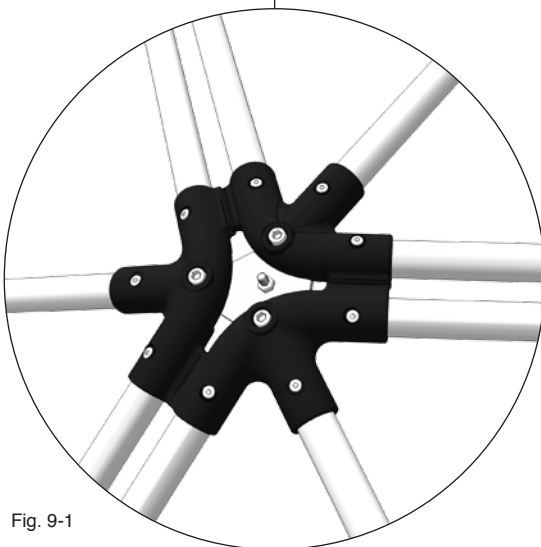
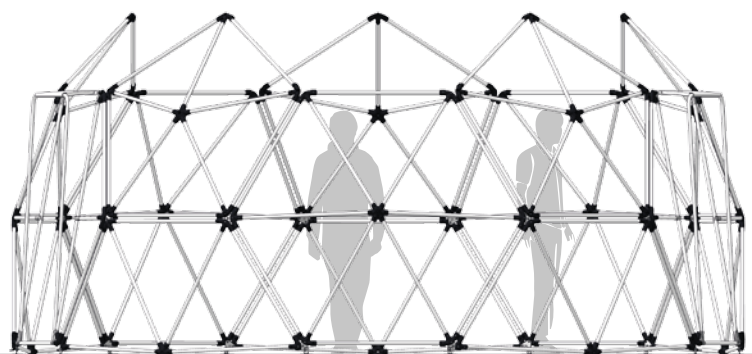
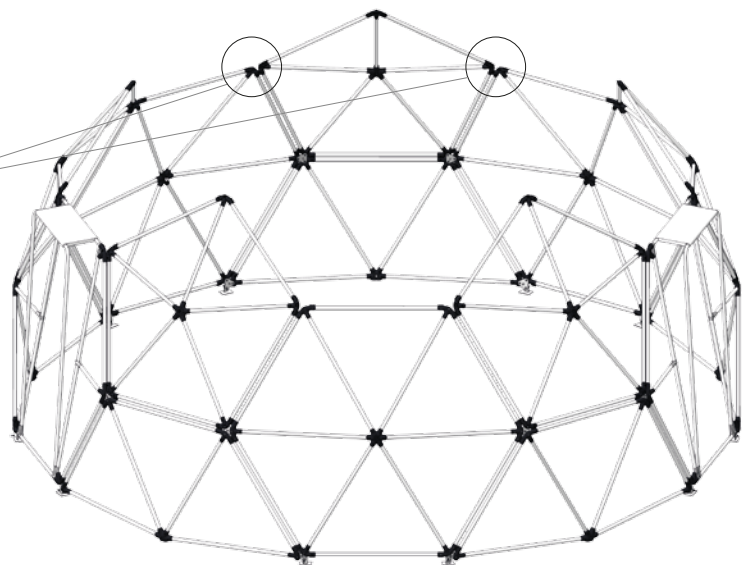


Fig. 9-1



Then mount 5 6K elements.

Carefully lower the frame elements against the other elements. Ensure that the five-edge frame element's control track (NF) and coupling plate (KP) come together correctly. You should not have to use much effort to put these together.

See the drawings and overview of placement of the elements on this page.

Do not tighten the screws hard until the entire frame is assembled together.

See pages 3 and 4 for more detailed instructions on mounting the coupling plates (KP).

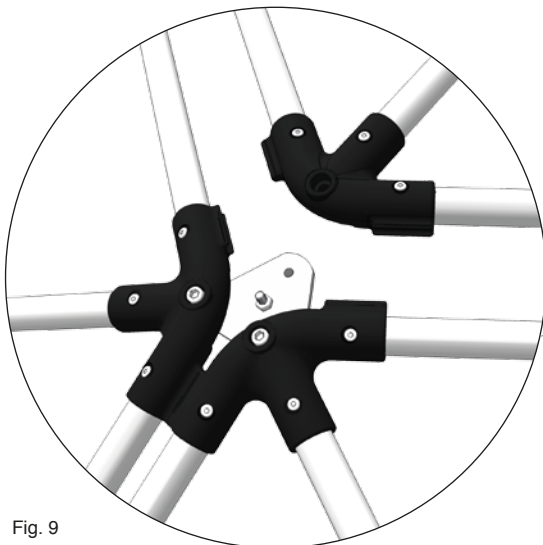
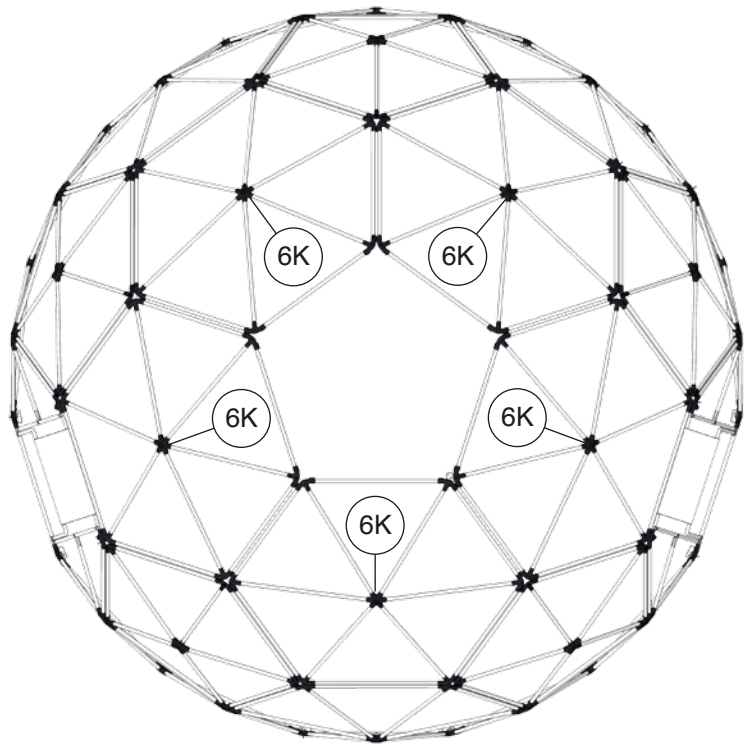


Fig. 9

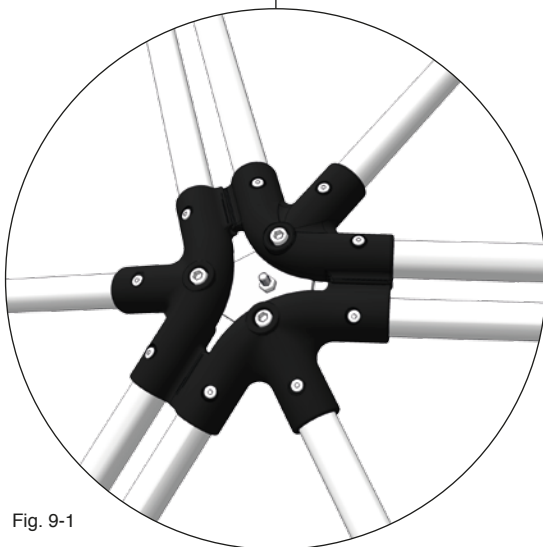
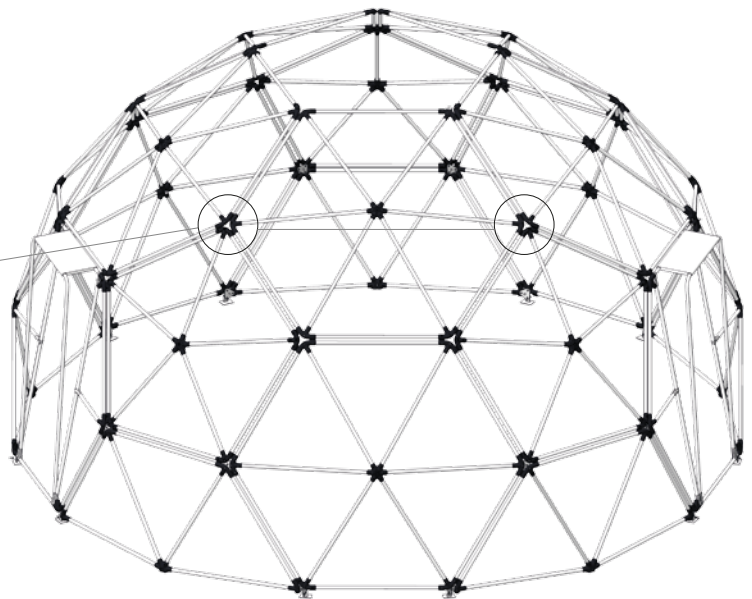
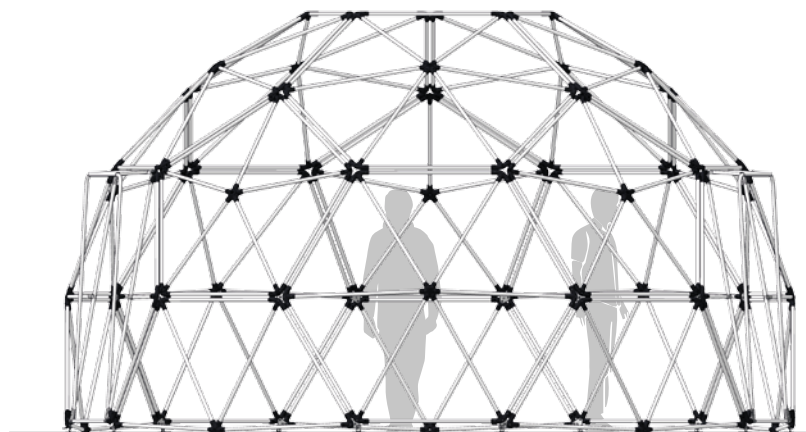


Fig. 9-1





Then mount the last 5K element at the top.

Carefully lower the frame element against the other elements. Ensure that the five-edge frame control track (NF) and coupling plate (KP) come together correctly. You should not have to use much effort to put these together.

See the drawings and overview of placement of the elements on this page.

See pages 3 and 4 for more detailed instructions for mounting the coupling plates (KP)

Note: Not tighten all the screws well (M8-1) and (M8-2) in the entire frame.

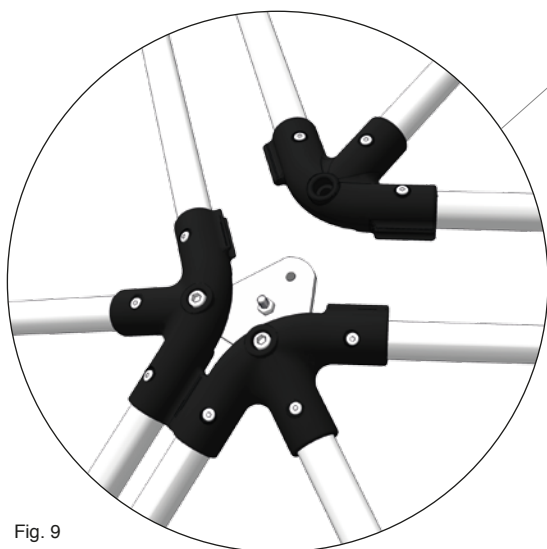
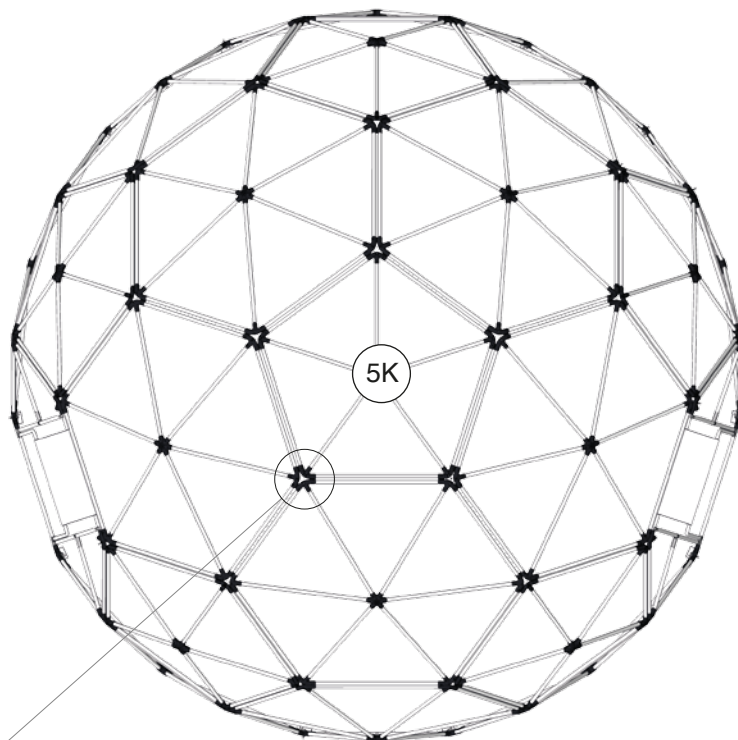


Fig. 9

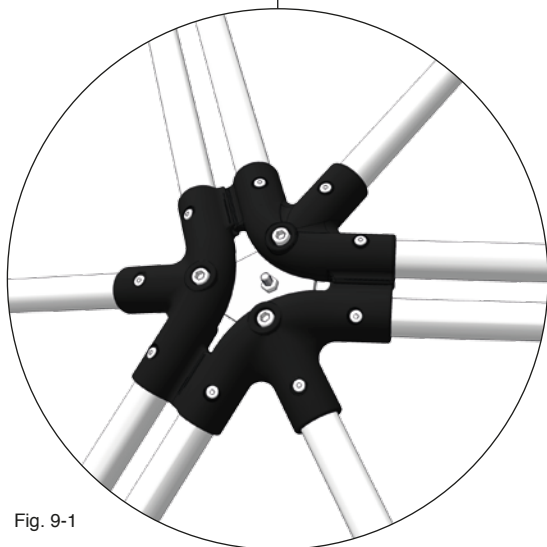
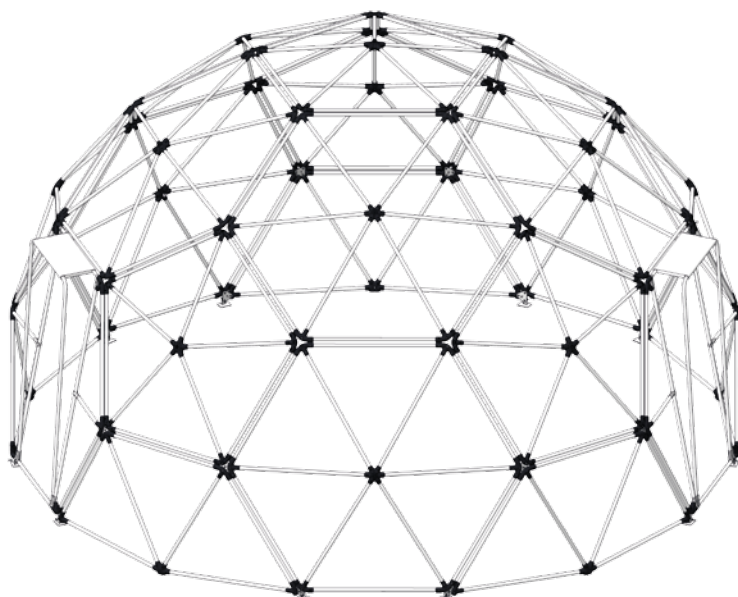
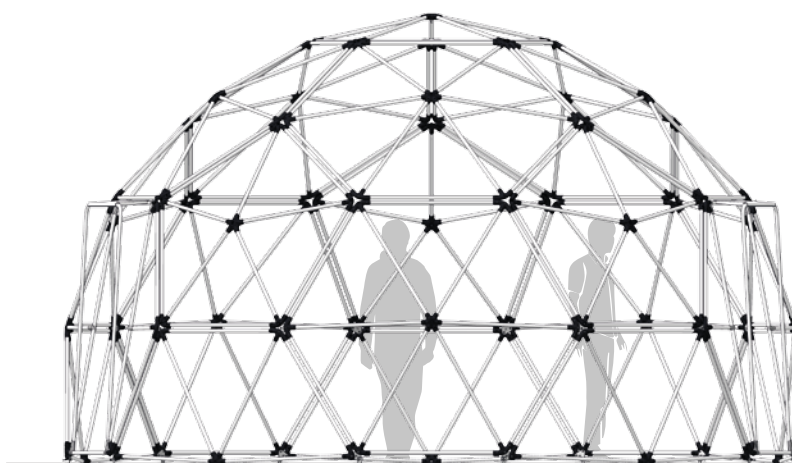


Fig. 9-1



# INSTALLATION OF OUTER FABRIC AND DOORS

In order to pull the fabric (D1) as easily as possible over the frame grid, it is advantageous to attach 2 ropes (T) in two of the lower fabric fastening straps.

The fabric for the door closure is delivered separately from the main fabric, and must be mounted after the main fabric is pulled over the frame grid.

Place the fabric next to the frame on one side of the dome. Make sure that the door openings to the tent fabric (a & b) and the frame grid are placed as correctly in relation to each other as possible.

To make it easy to pull the fabric over the frame grid, there should be one person on each side of the dome.

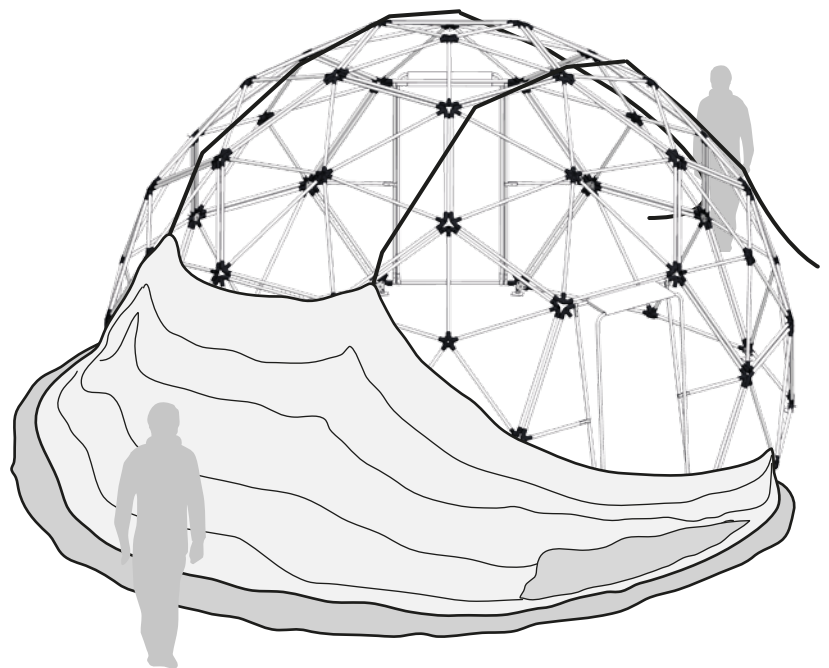
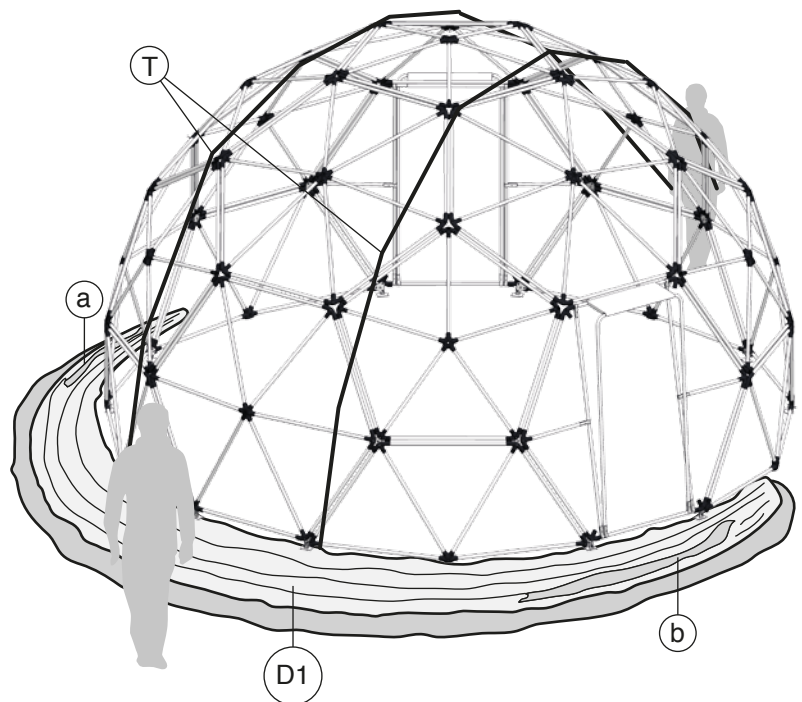
Make sure that the door frames are turned in against the main frame (6KD). The fabric will thus be easier to lead over the frame.

Then throw the ropes over the top of the frame grid.

One pulls the ropes and the other feeds the fabric.

Make sure that the fabric does not get caught in the frame grid and does not sustain cracks or other damage during the process.

Make sure to pay special attention to and be careful with the window surfaces, as these may get scratched when they are pulled over the frame grid.

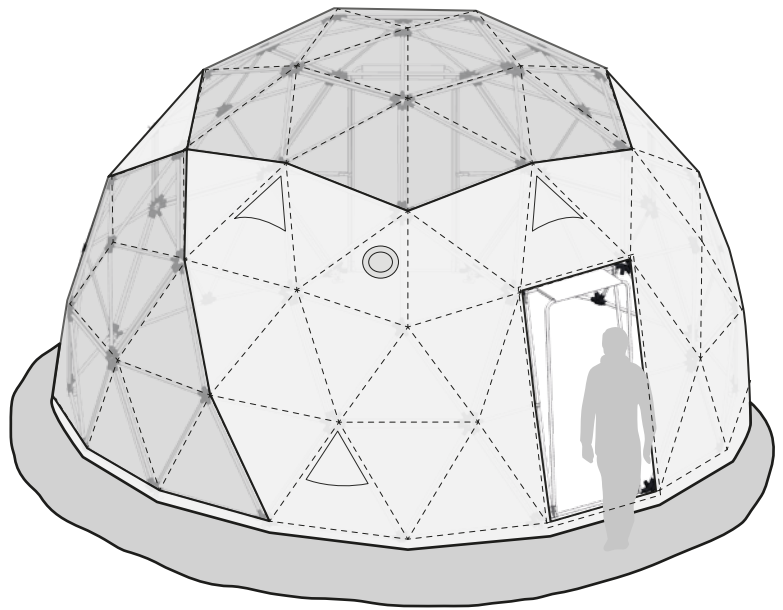


# INSTALLATION OF OUTER FABRIC AND DOORS

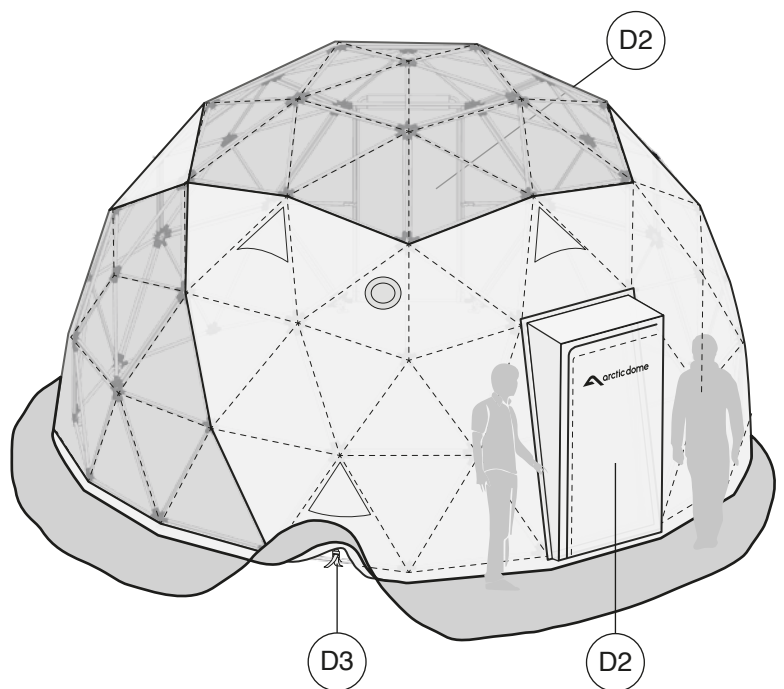
After the entire fabric is placed over the frame, it should be aligned and adjusted.

Make sure that the door opening and fabric seams correspond with the frame pipes and are placed as correctly as possible.

Then mount the door fabric (D2). Make sure that the Velcro is put together correctly, evenly and smoothly.



Tie all the fabric's fastening straps (D3) around all the anchors. Then tighten all the straps (D3) evenly around the entire tent so that it fits firmly and correctly on the frame

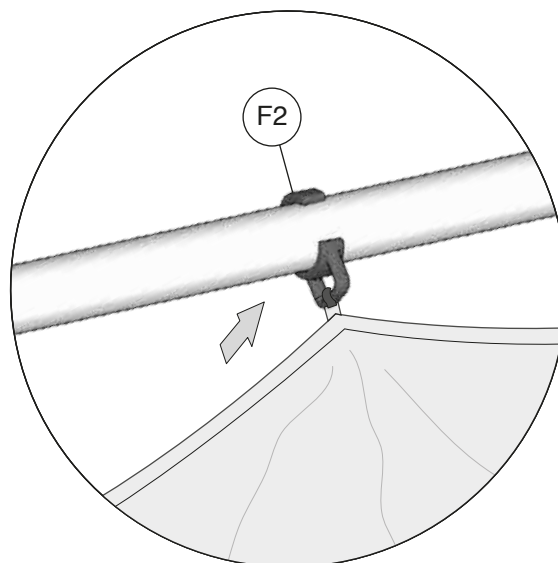
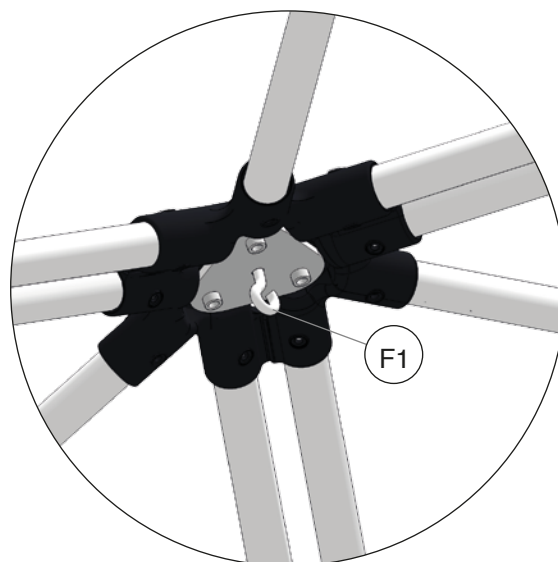
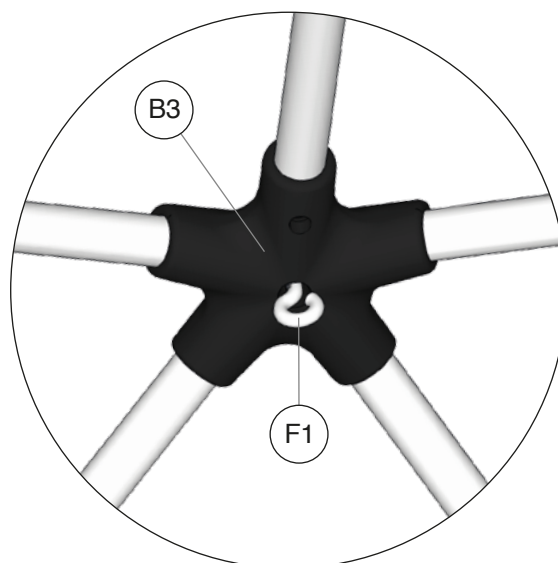


# INSTALLATION OF FASTENERS FOR THE INNER FABRIC

If INNER FABRIC is to be used in the tent, your own fasteners must be used.

There are 2 different fasteners, one for use on the black plastic bars (B3) and one for use on the coupling plate (B1), and one type of mounting clips (F2) for use on the straight aluminium pipes.

You can mount the fasteners as shown in the figures below.





# INSTALLATION OF INNER FABRIC

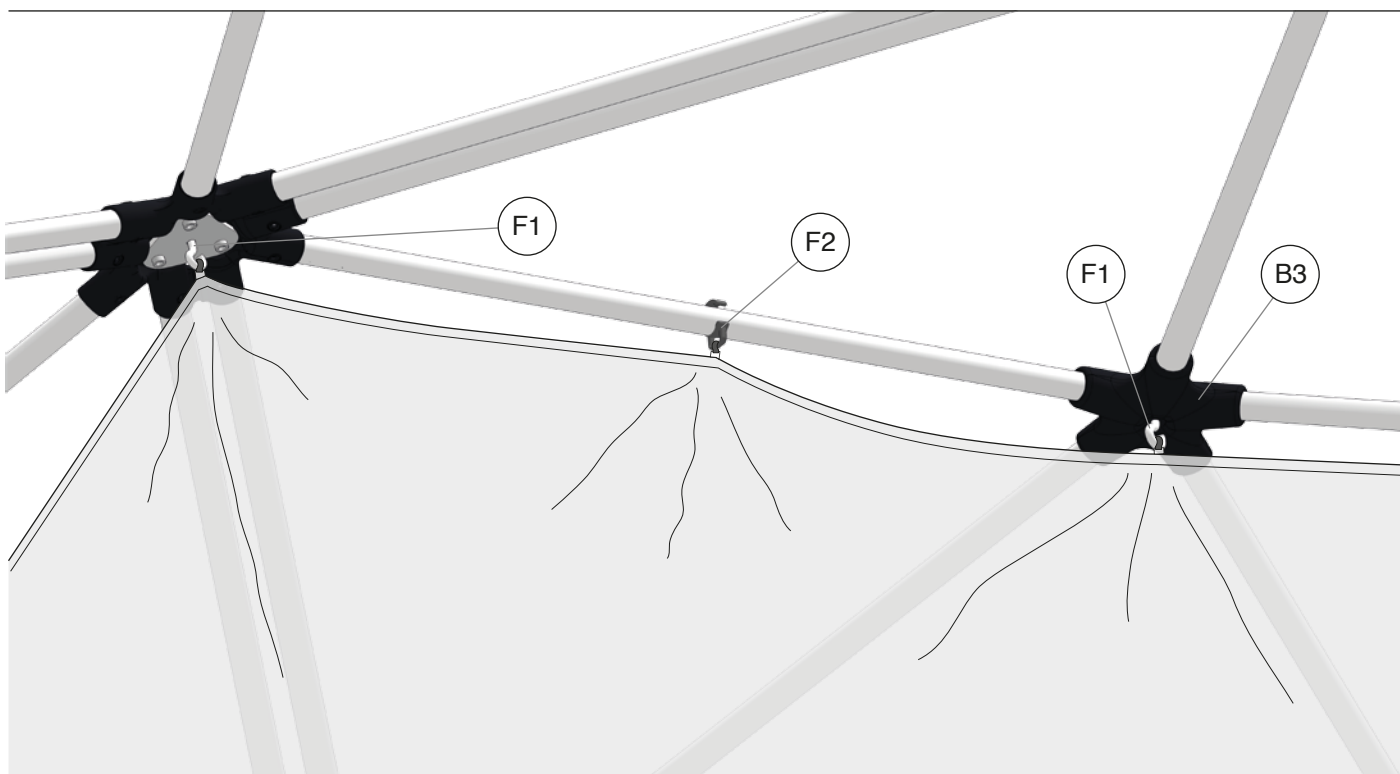
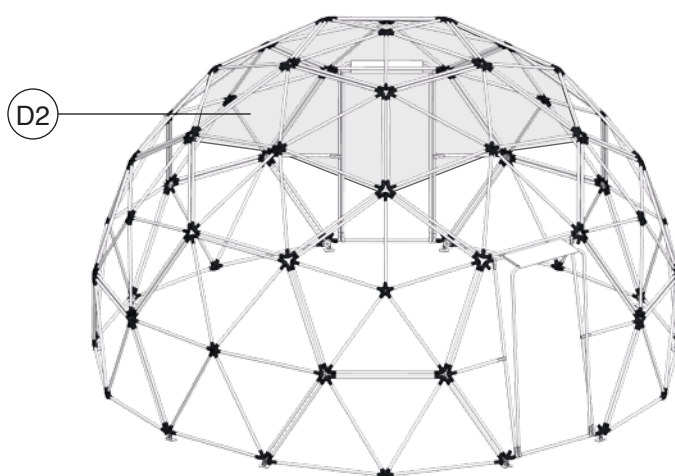
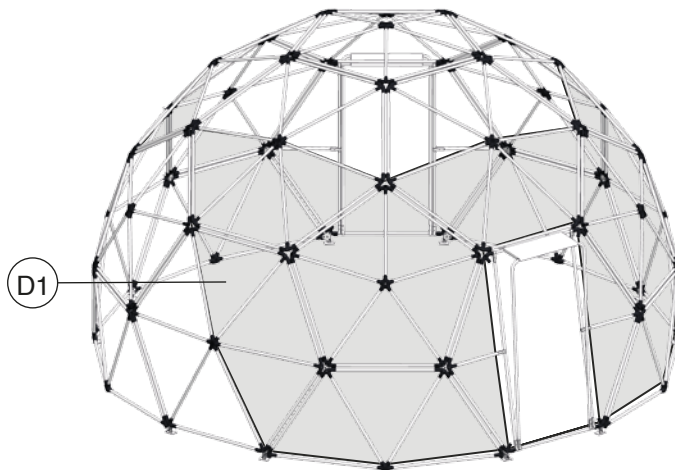
Start by aligning the fabric (D1) so that the door openings and windows fit together with frames and outer fabric.

Start by mounting the fabric in the uppermost part on the main window. Then mount on each side around so that every side comes around the entire dome. The fabric must be installed in all the fasteners (F1) and mounting clips (F2) are to be installed on all the necessary straight pipes.

If so desired, mount the fabric to the top window (D2). Start by attaching the fabric in the middle bracket (B3) all the way at the top of the dome frame.

Then attach the fabric in the fasteners (B1) and mount the mounting clips K1 as needed. Then attach the fabric's Velcro to the edge of the main fabric (D1).

Make sure that all the Velcro is put together correctly, and that the fabric is even and correctly placed.



## USE OF THE AIR VENTS

It is important to ensure good ventilation of the dome tent.

The air vents in the dome must be open to avoid internal moisture and condensation.

There are 2 rows of air vents (LV). One row up in the ceiling and one row further down the floor.

The air vents (LV) are located and can be opened inside the tent. See fig. 10.

The air vents (LV) are opened by rolling up the flap (K) and then fastening it with the fixation straps (B).

If the inner fabrics is mounted, it must be loosened and demounted to reach all of the air vents.

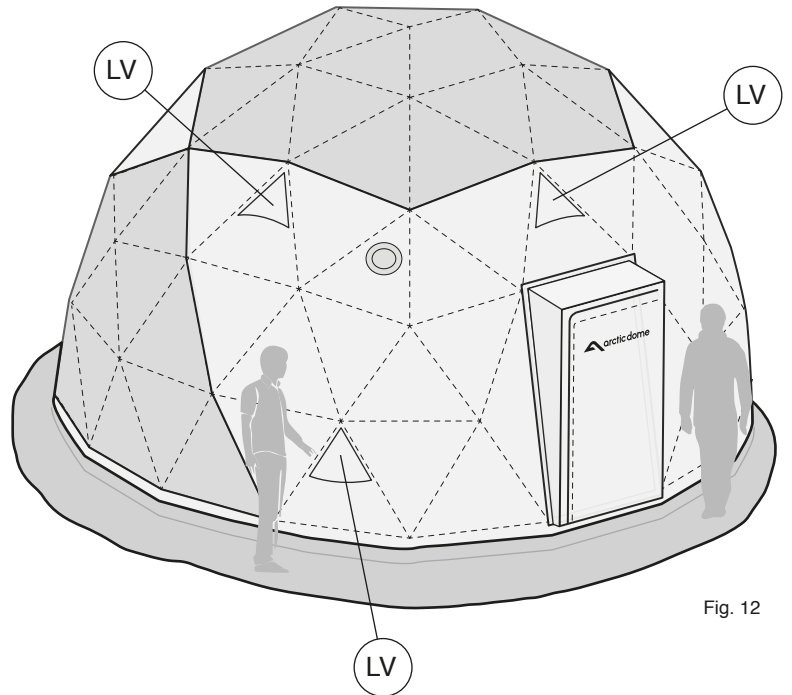


Fig. 12

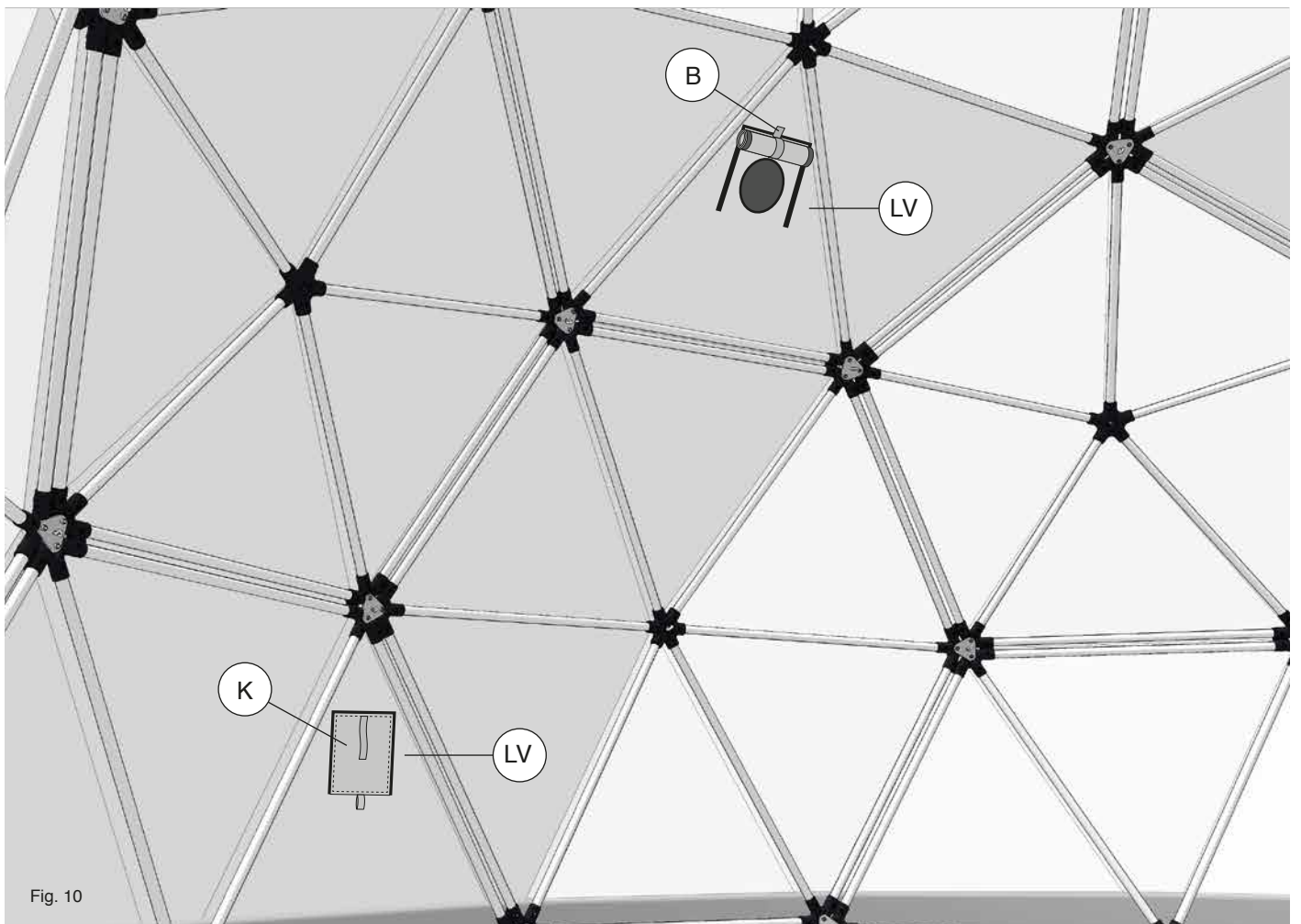


Fig. 10

## SPECIAL CONSIDERATIONS

The tent must be anchored sufficiently to the ground, based on local wind and weather conditions.

Anchoring equipment (F) from Tentipi Norge AS is highly recommended. See Figure 10

It is important to place weights (snow, stone, sand-bags etc.) on the skirt around the tent so that the wind does not get under the tents.

Be sure to keep the doors closed in strong winds.

In case of snowfall over 30 cm, the snow must be removed from the ceiling/top of the tent.

It is the customer's responsibility to obtain the necessary permits for the setting up and use of Arctic Dome, in accordance with local laws and regulations.

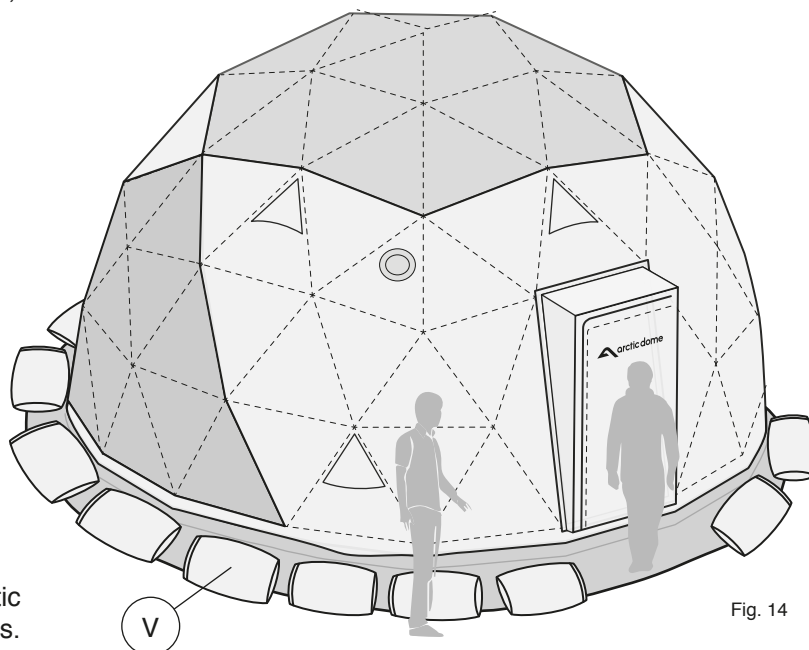


Fig. 14

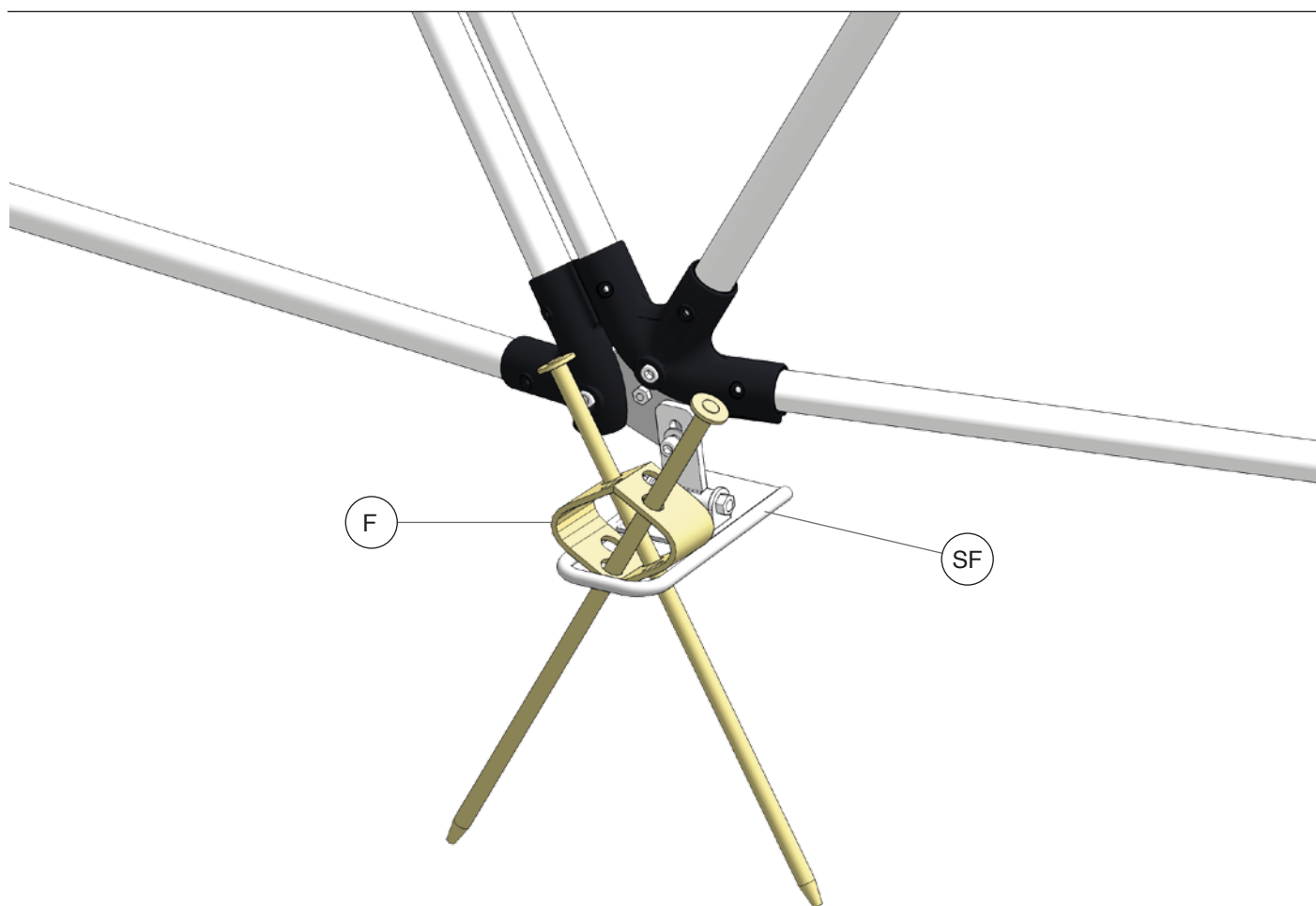


Fig. 13

# SPECIAL CONSIDERATIONS

## Materials:

Outer Fabric: 50/50% Polyester / Cotton,  
Impregnated, Anti-flame treated.  
Inner cloth: 100% Polyamide  
Window plastic: 100% PVC

## Maintenance:

The cloth can be washed with mild soapy water,  
soap with benzene must be avoided. Always rinse  
all soap thoroughly.

A particularly suitable product for cleaning the cloth  
is Acapella Cleaner. This can be ordered from  
Tentipi AS.

Outer fabric should be impregnated after washing  
and otherwise when needed. Do not use nail on the  
window plastic.

## Storage:

The fabric should be stored dry and dark.

Be especially careful and careful with the windows,  
as these may get scratches.

Please note that the windscreens in strong cold (-5)  
are particularly exposed. Avoid sharp folds and  
cracking on the windows surfaces as this may  
damage the window surfaces.

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## WARRANTY

Warranty against material and/or production defects  
is given according to current terms and conditions of  
each country.

The warranty does not cover damage caused by an  
accidental, improper / unreasonable handling or by  
normal wear or tear of the sun's UV rays.