



Installation and Maintenance Instructions

READ IN FULL BEFORE STARTING

SAFETY

We recommend that the following minimum precautions are taken:

- Wear appropriate safety clothing including a safety helmet
- Eye and hand protection should be worn at all times during the build process
- Secure the site from pedestrian and vehicular access, where applicable, by the use of high visibility tape, barriers, cones, safety lamps, etc.
- If you use a power supply, ensure that it is secure and in a safe dry location
- Ensure that there are no underground services that may be affected
- When working at height a suitable platform should be used
- A MINIMUM OF TWO PERSONNEL ARE REQUIRED

Product Description

The AUTOPA 'Stratford Shelter' is a single sided shelter of freestanding design for ground fixing, either by bolting onto a suitable concrete surface, or by casting into concrete. The roof slopes down from the front to the rear and is supplied with end panels.

PETG SHEETS

The PETG Sheets should neither be stored outside nor be exposed to great variations of weather and/or temperature for a long period of time prior to fitting.

The PETG Sheets are supplied with a Polyethylene film on both sides that protects against dirt, mechanical load and scratches.

The protective film has a restricted life-time and weathering and temperature resistance are limited.

Ensure that the protective film is removed prior to fitting.

When using the Self-Drilling Screws, swarf is created between the PETG Sheets and the steel frame work. This swarf SHOULD BE REMOVED before final fixing.



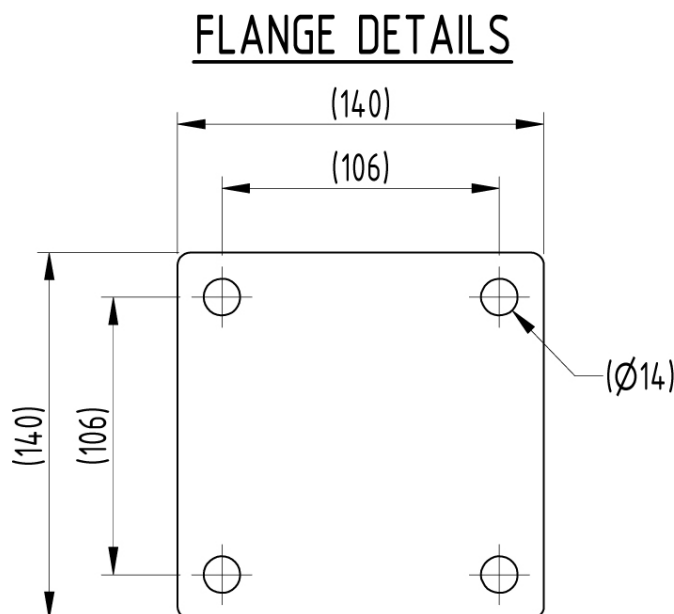
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Foundation Details

Flanged & Ragged Side Frames - We recommend that concrete foundations should be laid a minimum 450mm x 450mm x 400mm deep for each upright support (Leg Centers).



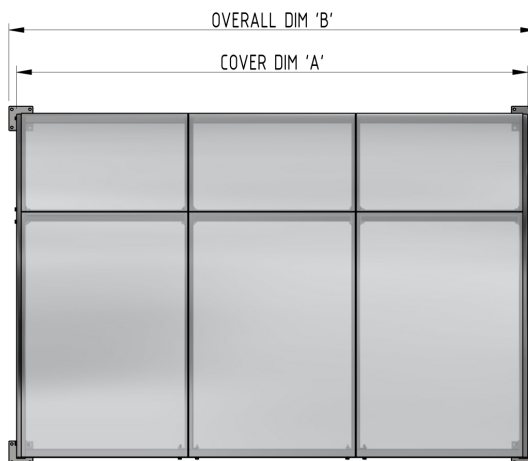
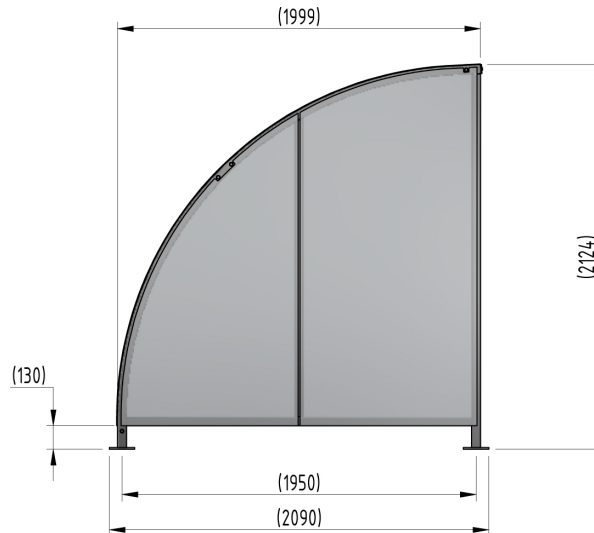
Tools Required

- Suitable Spanners or Sockets
- A low-torque power tool with 8mm Hex socket bit suitable for Self-Drilling screws
- Clamps (for fixing of roof sheets)

Maintenance

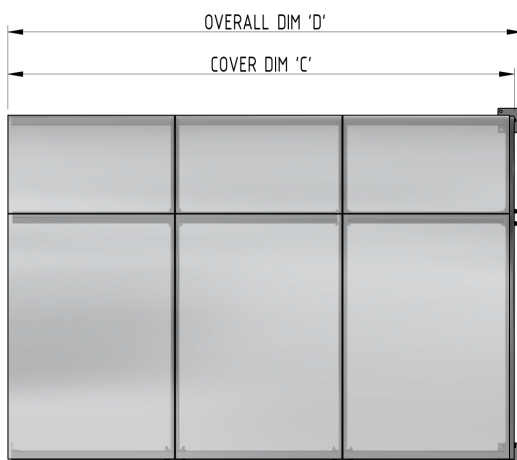
- Occasionally clean all surfaces with soap and water
- Check all fixing bolts and other visible fixings are tight and have not worked loose. Replace any missing fixings
- Check that the foundations remain firm

Dimension Details



MAIN BAY

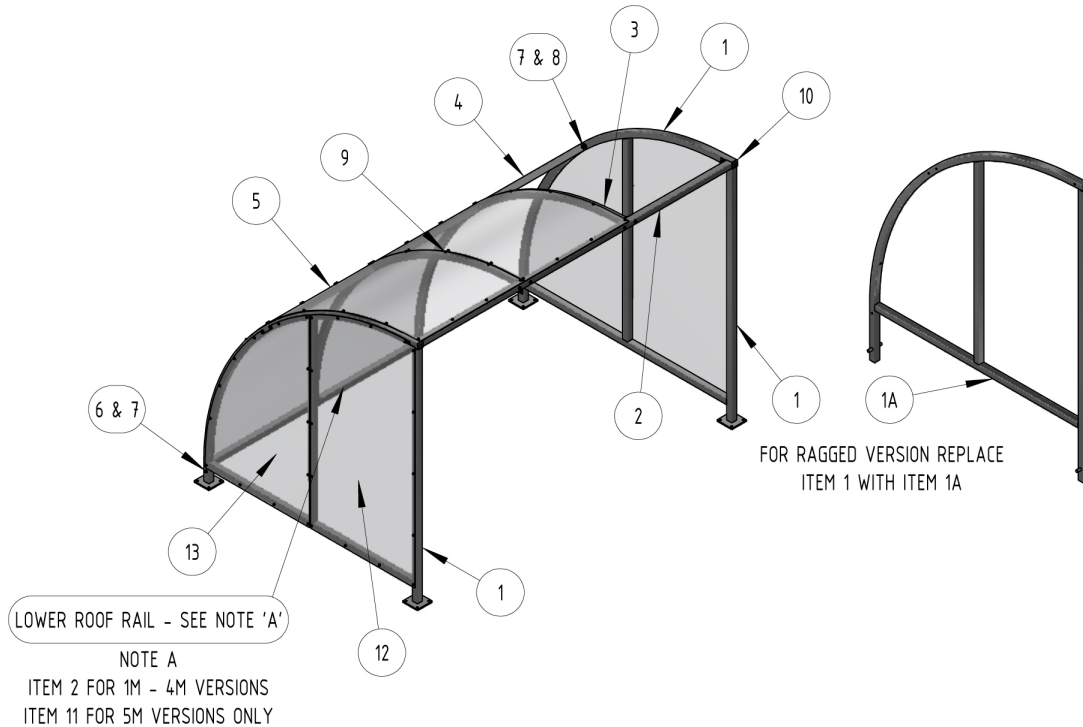
Main Bay Table		
Shelter Size	Cover DIM 'A'	Overall DIM 'B'
5M	4950 mm	5040 mm
4M	3970 mm	4060 mm
3M	2990 mm	3080 mm
2M	2010 mm	2100 mm
1M	1030 mm	1120 mm



EXTENSION

Extension Table		
Shelter Size	Cover DIM 'C'	Overall DIM 'D'
5M	4923 mm	4968 mm
4M	3943 mm	3988 mm
3M	2963 mm	3008 mm
2M	1983 mm	2028 mm
1M	1003 mm	1048 mm

Construction Detail / Parts List

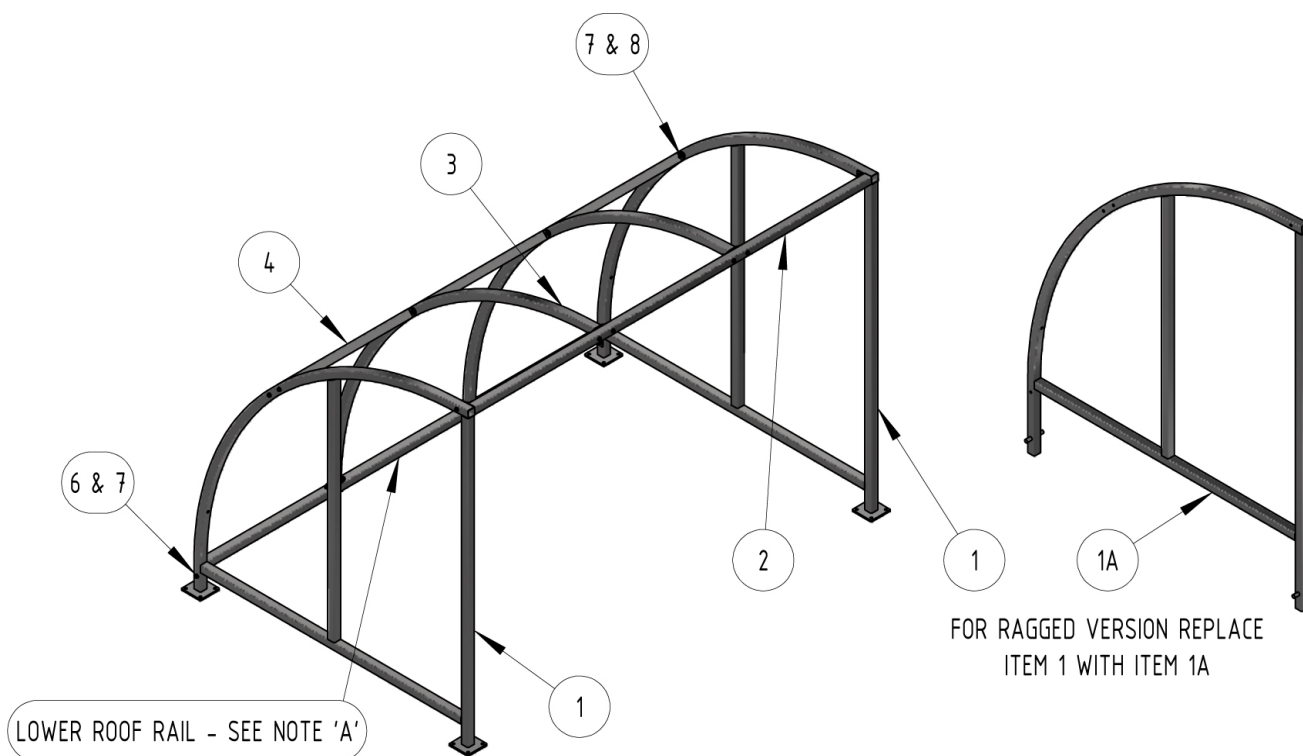


Stratford - Quantities											
Item #	Description	1M	1M EXT	2M	2M EXT	3M	3M EXT	4M	4M EXT	5M	5M EXT
1	SIDE FRAME	2	1	2	1	2	1	2	1	2	1
1A	RAGGED SIDE FRAME	2	1	2	1	2	1	2	1	2	1
2	ROOF LONG RAIL	2	2	2	2	2	2	2	2	1	1
3	INTER ARC	0	0	1	1	2	2	3	3	4	4
4	FLAT ROOF SPACER	1	1	2	2	3	3	4	4	5	5
5	ROOF SHEET (PETG OR GALV)	2	2	4	4	6	6	8	8	10	10
6	M10 X 80 BOLT	8	4	14	10	20	16	26	22	32	28
7	M10 WASHER	16	8	28	20	40	32	52	44	64	56
8	M10 NUT	8	4	14	10	20	16	26	22	32	28
9	TEK-SCREW (PETG)	84	56	112	84	140	112	168	140	196	168
9	TEK-SCREW (GALV)	84	46	102	64	120	82	138	100	156	118
10	BLACK SQUARE INSERT	2	1	2	1	2	1	2	1	2	1
11	5M LOWER LONG RAIL	0	0	0	0	0	0	0	0	1	1
12	STRATFORD SIDE SHEET - FRONT (PETG OR GALV)	2	1	2	1	2	1	2	1	2	1
13	STRATFORD SIDE SHEET - REAR (PETG OR GALV)	2	1	2	1	2	1	2	1	2	1

(Item 11 - 5m Lower Long Rail has an extra leg – 4x additional ground fixings required)

Installation Instructions Note: Part numbers are shown in []

1. Prepare the ground following the foundation details above.
2. Construct the shelter using the Construction Detail above and Frame Construction Detail below, using the M10 x 80 bolts [6], washers [7] and M10 Nuts [8].



NOTE A

ITEM 2 FOR 1M - 4M VERSIONS
ITEM 11 FOR 5M VERSIONS ONLY

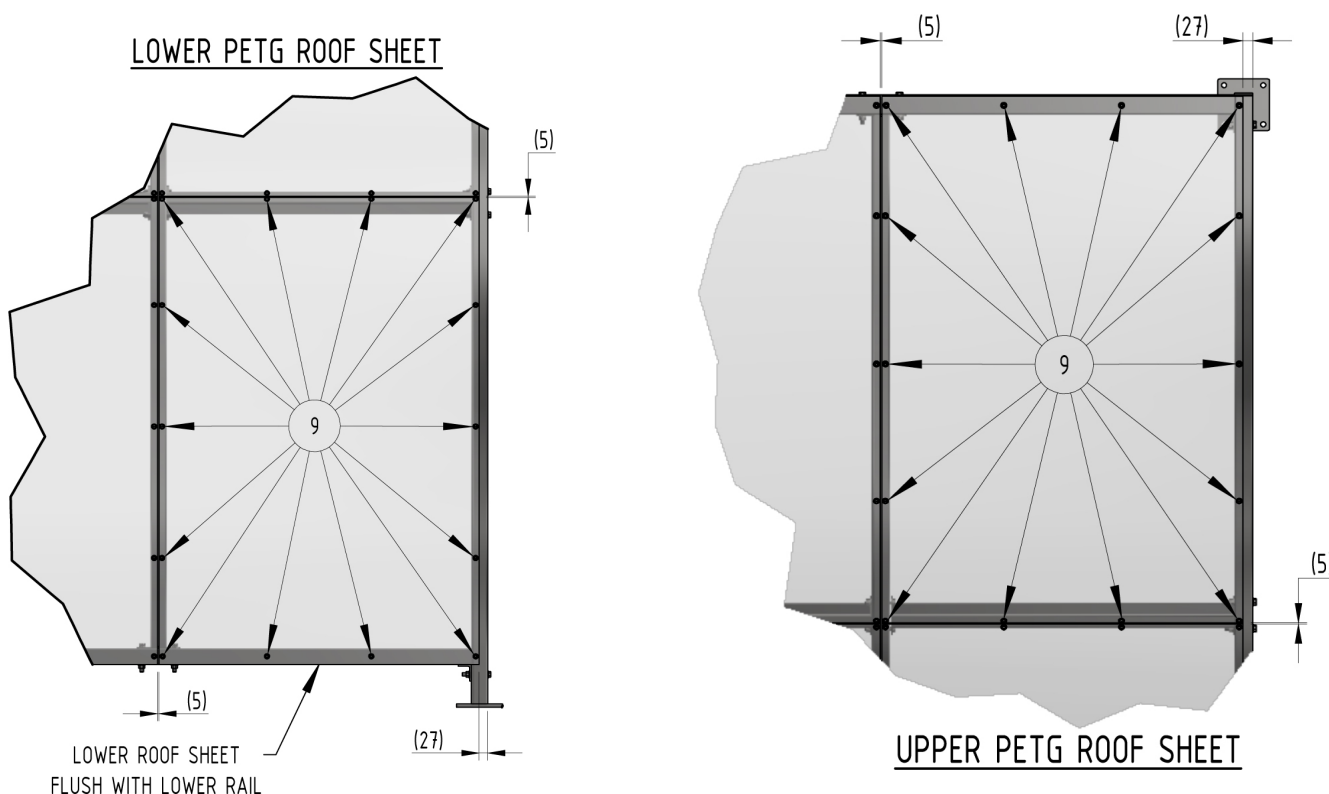
3. Once the frame has been constructed (including any extensions). Extensions are added by repeating the Frame Construction Detail above. Square up the frame and tighten all the fixings.
4. Then either bolt down the frame using suitable ground fixings or concrete in the Ragged Side Frames [1A] and allowing the concrete to set.

ONLY CONTINUE from this point once the entire frame assembly has been completed, including any extensions

5. PETG ROOF SHEETS

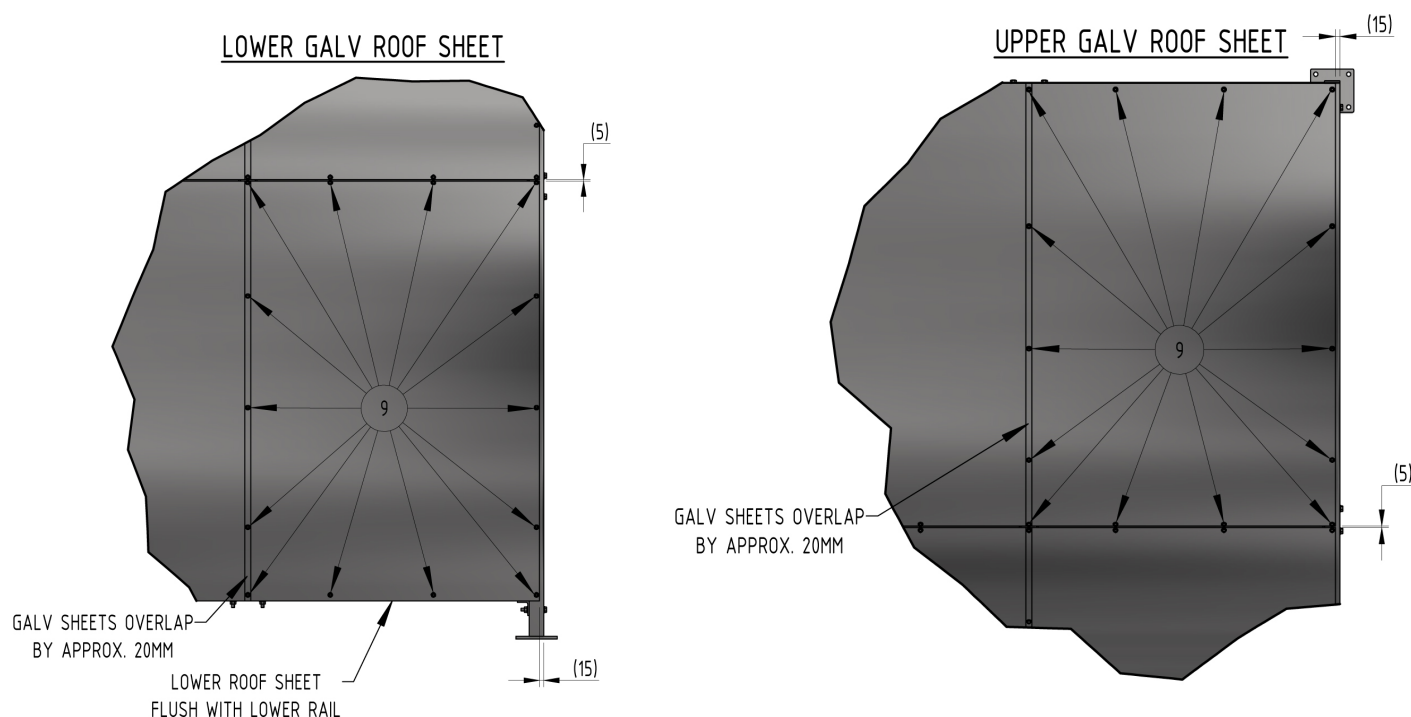
- a. Starting from either end of the shelter.
- b. **Position the LOWER PETG Roof Sheet [5] on the shelter as shown below and ensure that tension is maintained on the sheet by using clamps (do not allow the sheet to sag)**, ensure it is square on the frame and is inset approximately 27mm from the outside edge of the frame. Fix this sheet to the frame using the Self-Drilling Screws [9] as shown below.
- c. **Position the UPPER PETG Roof Sheet [5] on the shelter as shown below and ensure that tension is maintained on the sheet by using clamps (do not allow the sheet to sag)**, ensure it is square on the frame and is inset approximately 27mm from the outside edge of the frame and that there is approximately a 5mm gap between the LOWER & UPPER PETG Roof Sheets.
- d. Fix the remaining LOWER & UPPER PETG Roof Sheets to the shelter using the Self-Drilling Screws [9] as shown below, ensuring that there is approximately a 5mm gap between the Roof Sheets [5]. If fitted correctly and the frame is square you should have the same gap at each end.

IMPORTANT NOTE: When using the Self-Drilling Screws [10], swarf is created between the PETG Sheets and the steel frame work. This swarf SHOULD BE REMOVED before final fixing.



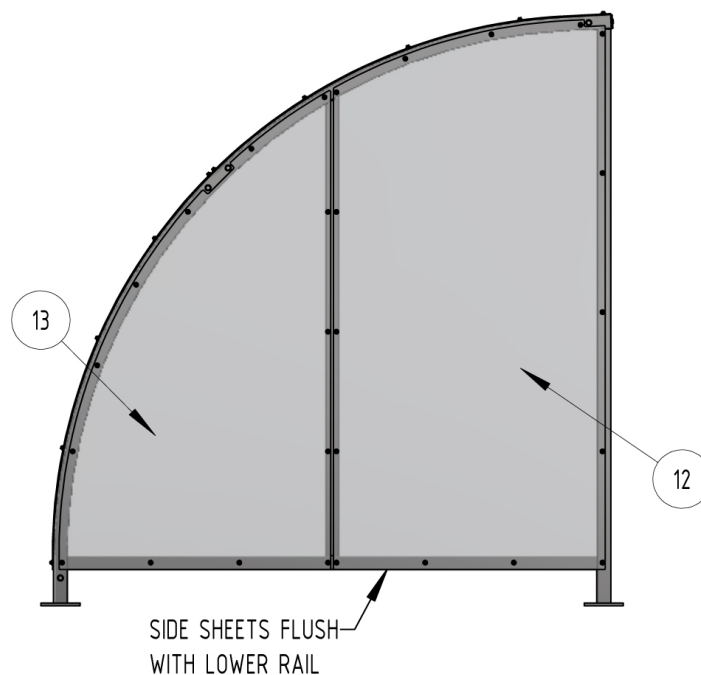
6. GALV ROOF SHEETS

- Starting from either end of the shelter.
- Position the LOWER GALV Roof Sheet [5] on the shelter as shown below and ensure that tension is maintained on the sheet by using clamps (do not allow the sheet to sag),** ensure it is square on the frame and is inset approximately 15mm from the outside edge of the frame. Fix this sheet to the frame using the Self-Drilling Screws [9] as shown below.
- Position the UPPER GALV Roof Sheet [5] on the shelter as shown below and ensure that tension is maintained on the sheet by using clamps (do not allow the sheet to sag),** ensure it is square on the frame and is inset approximately 15mm from the outside edge of the frame and that there is approximately a 5mm gap between the LOWER & UPPER GALV Roof Sheets.
- Fix the remaining LOWER & UPPER GALV Roof Sheets to the shelter using the Self-Drilling Screws [9] as shown below, ensuring that there is approximately a 5mm gap between the Roof Sheets [5] and that they overlap each other by approximately 20mm. If fitted correctly and the frame is square you should have the same gap at each end.



7. SIDE SHEETS

- Position the Front Side Sheet [12] on the side frame as shown below, ensuring that it is flush with the bottom rail and has even spacing on the rest of the frame. **Ensure that tension is maintained on the sheet by using clamps (do not allow the sheet to sag)**
- Fix the sheet in place using 14 Self-Drilling Screws [9] spacing them evenly around the edge of the sheet as shown below.
- Repeat steps a & b above for the Rear Side Sheet [13]
- Repeat steps a, b & c for the other side of the shelter



- To complete the build of the shelter insert the Black Push-in Caps [10] into the ends of the side frames

Your shelter is now complete