



USER AND INSTALLATION MANUAL FOR THE BALNEA ENCLOSURE



Warning:

**PLEASE ENSURE SNOW OR ICE REMOVAL OF STRUCTURE IN
CASE OF EXCESS SNOW OR ICE FOLLOWING A STORM !**

**FAILURE TO FOLLOW THESE PROCEDURES COULD RESULT IN
INJURY !**

- This use and installation guide is a complement to the installation video.
- It is strongly recommended that you carefully review these instructions before installing you awning.
- Failure to do so could result in personal injury!

INSTALLATION PROCEDURES FOR THE SPA ENCLOSURE

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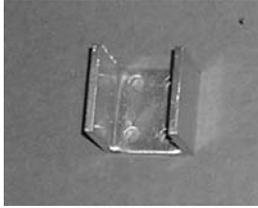
TOOLS REQUIRED



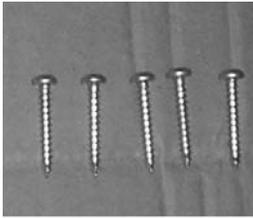
- 1 power drill
- 1 drill bit 5/32" *
- 1 drill bit 3/16" for cement *
- 1 5/16" drill bit adaptor*
- 1 5/16" hex wrench (or stamped aluminum key) *
- 1 small pry bar
- 1 drill bit number 1
- 1 drill bit number 2 *
- 1 sharp knife
- 1 pair of safety glasses
- 1 metal file
- 1 measuring tape
- 1 chalk line
- 1 rubber mallet
- 1 pair of pliers
- 2 grips
- 1 caulking gun
- 4 tubes of 100% silicone (white or beige)
- one 8 foot long ladder
- one small 3 foot ladder
- * tools included with shipment

LIST OF COMPONENTS

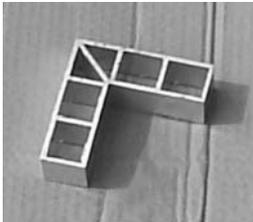
Brackets and hardware:



U bracket for fixing 8



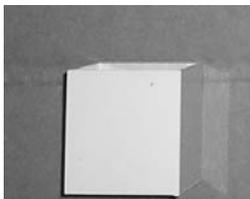
#8 metal screws, square head, 1 $\frac{1}{4}$ " long 40



90° bracket insert for joining upper panels together 4



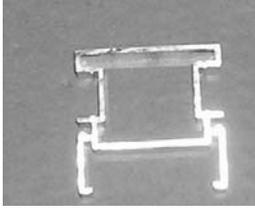
5/16" self tapping screws, $\frac{3}{4}$ " long 100



Square roof cubes 4



"L" trim with 4 holes to fix the corner panels together 12



Gauge of panel for centering U brackets 1



Roof crown with 45° U brackets already fixed 1



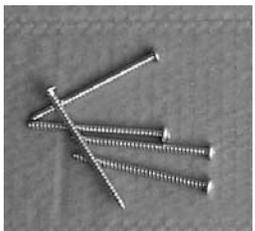
Cement screws 1 $\frac{1}{4}$ " long 24



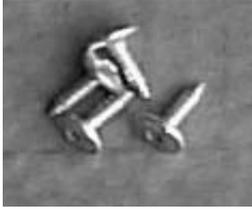
Door handle complete with screws and lock 1



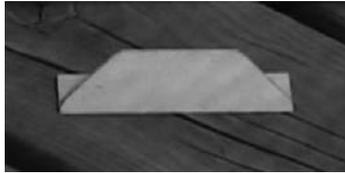
#6 self tapping screws for door hinges, 3/8" long 4



#8 metal screws square head, 3" long 15



#8 pan socket metal screw for door assembly. $\frac{3}{4}$ " long 6



Door stopper 1

Walls of structure and roof components



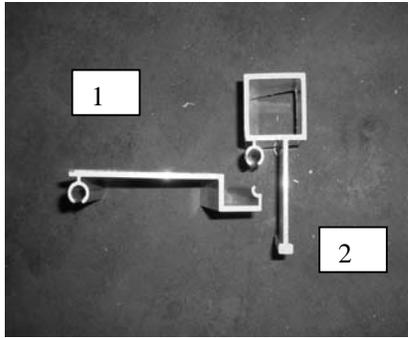
Wall panels 78" x 56.5 " 7



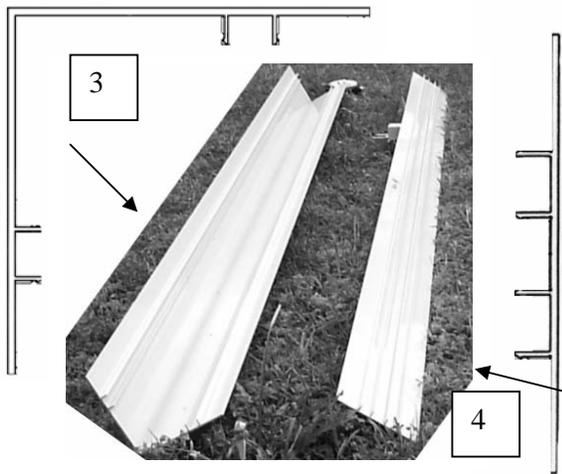
Side wall panels 78" x 10.75" 2



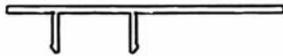
Door 1



- 1 - Cornices 4
- 2 - Flash attachment systems 4



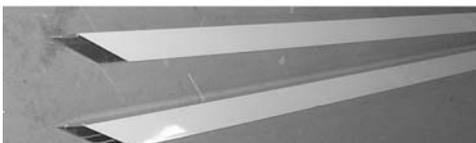
- 3 - 90° Exterior cappings 4
- 4 - Double exterior and interior capping 8



- Simple interior capping 12



- Upper door member with its 2 outside cappings 1

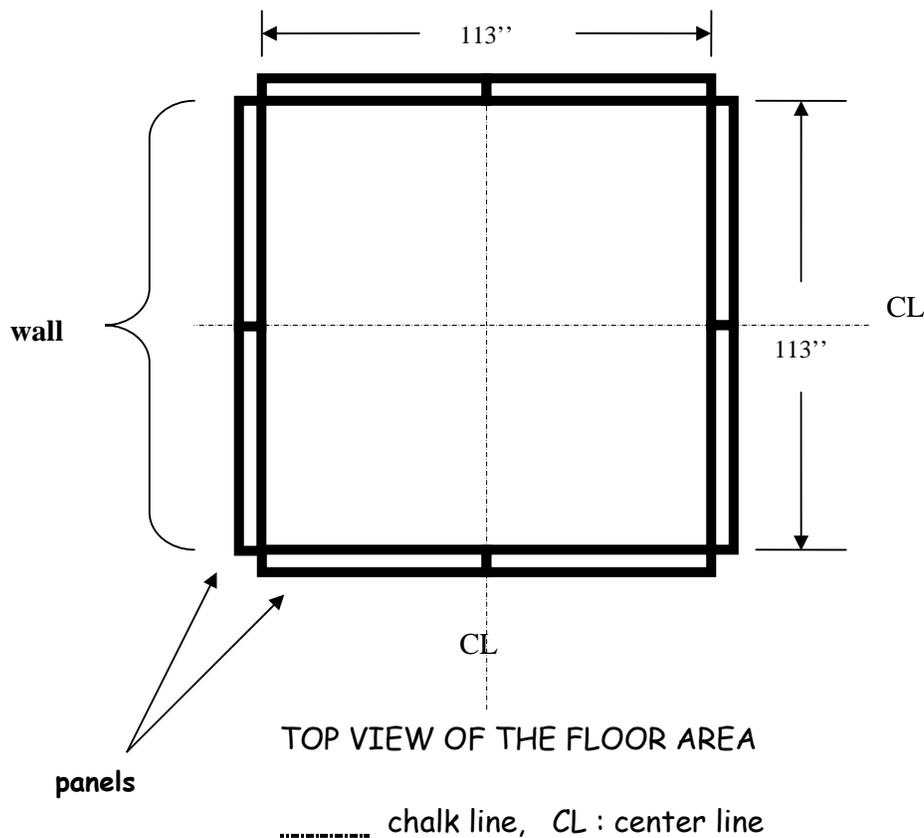


- Rafters 1.5" x 1.5" cube 4

FLOOR PREPARATION

Before starting installation, make sure that the floor is level and structurally sound. Note that the interior dimensions of the square spa enclosure are 113 inches x 113 inches. This will require a minimum size platform of 120 inches, including 1 inch over all around the spa.

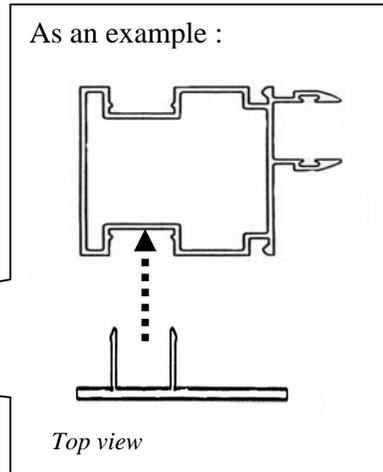
- Start by finding the center of the platform.
- **Draw a square figure 113" x 113" in the center of the platform with a chalk line** (see drawing below.)
- The dotted lines represent the reference line for positioning the panels during installation. Remember that these are interior dimensions of the spa and the panels must rest on the outside of the dotted line.



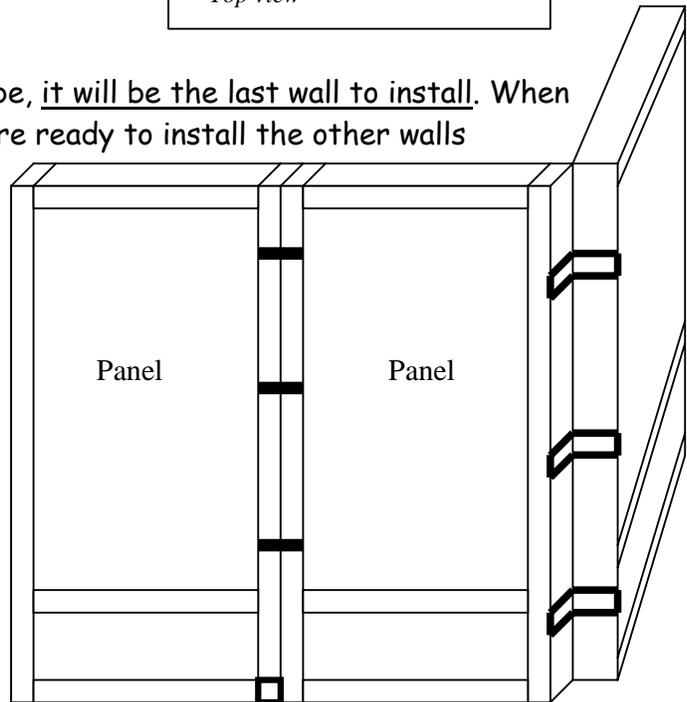
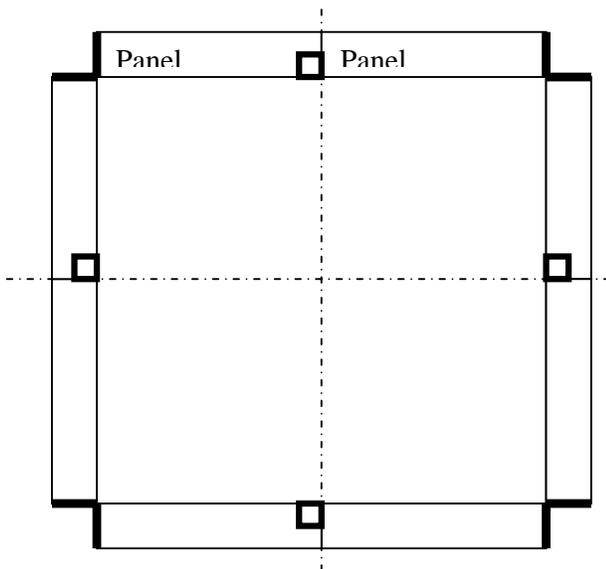
ASSEMBLY INSTRUCTIONS:

Assembling the walls :

- Install the interior cappings on each panel with the use of a rubber mallet (this step may have been done at the factory prior to shipment.) As a reference, the screen is always facing outwards and the polymer windows facing inwards. There are 2 interior cappings per panel. There are a total of 7 large panels and 2 small side panels.



- Determine where the door will be, it will be the last wall to install. When this information is known, you are ready to install the other walls

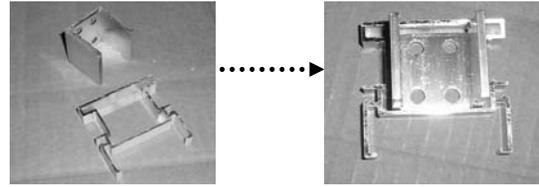


□ = U bracket

■ = #8 metal screws square head, 3" long

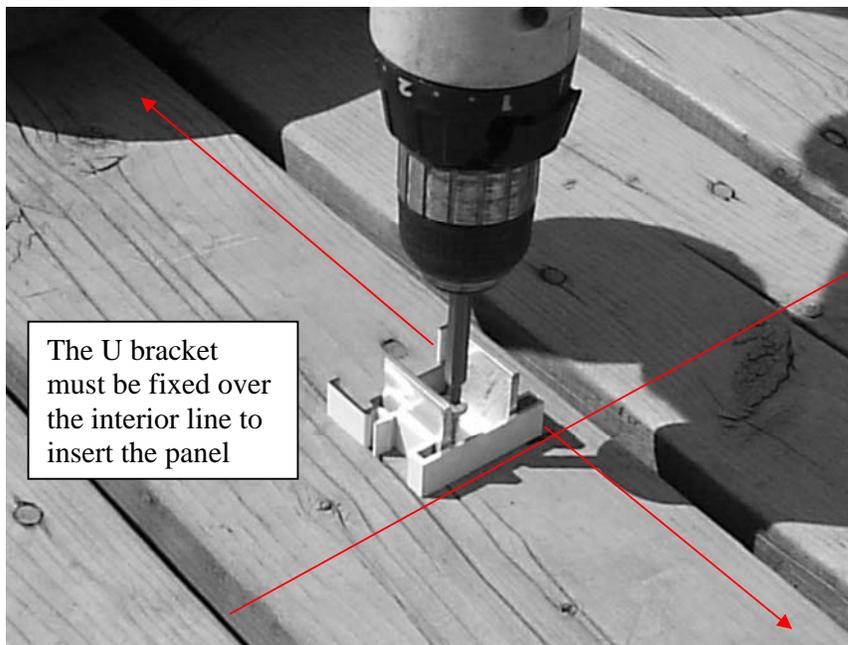
L =  = "L" trim with four holes

- Start by fixing the first panel on the floor. Make sure that it is well positioned with your center line found before. The panels are fixed to the floor with U brackets. First, the U bracket is fixed to the floor, then the panel is fixed to the U bracket (like as shown on the following pictures).



Different floor types:

- **CEMENT FLOOR:** you will need to pre-drill a hole with an impact drill and use special cement screws.
- **FIBERGLASS ON WOOD:** make sure you use the length of screw that is appropriate to your floor structure. Note that it is important that you seal the hole with caulking when piercing the fiberglass or else the fiberglass substrate may delaminate in the event of water infiltration.



center line

The U bracket must be fixed over the interior line to insert the panel

Use the chalk line as a reference to be sure that your wall will be straight

End of the platform

- Once your first panel is inserted in your brackets and fixed with 5/16" self tapping screws, you are ready to install the second panel. Make sure that both panels are aligned edge to edge, this is necessary to install the double capping later.

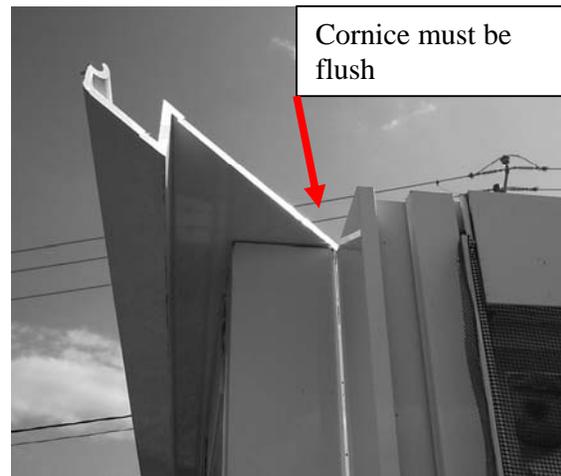


- Install the second panel, fix both panel together with three #8 square head metal screws of 3" long. Pre-drill one of them with a drill bit 5/32" inside the window lock to conceal the screws. Repeat this step 3 times

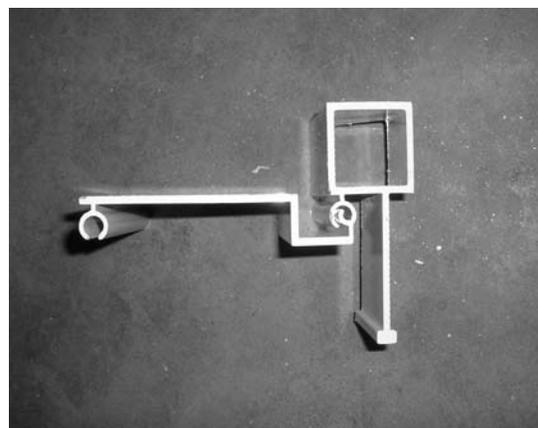
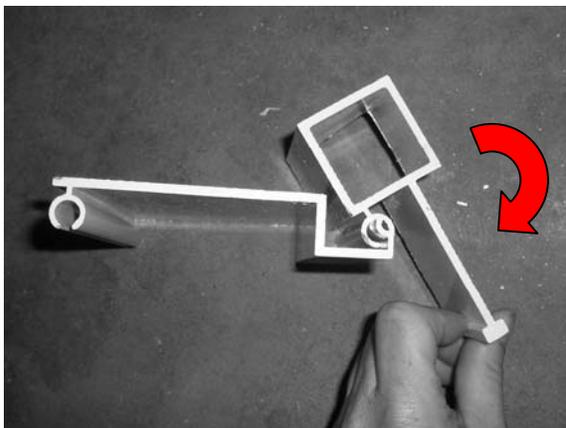
Use a pair of grip to hold the panels together



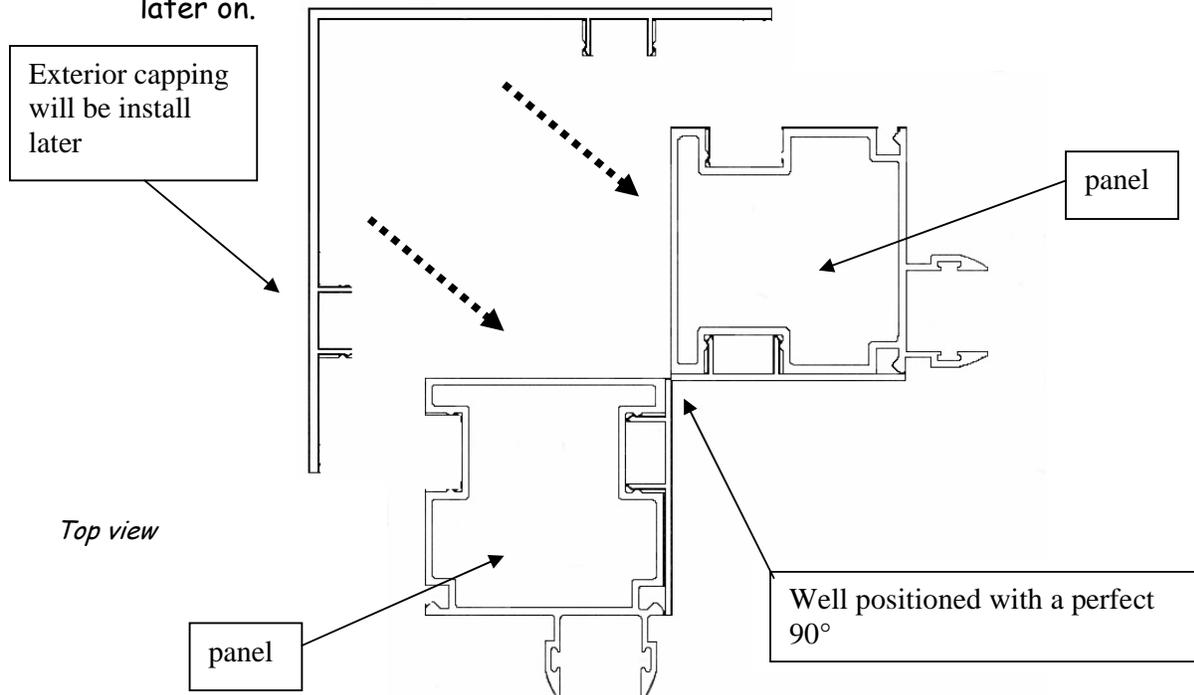
- Now you are ready to install the cornice on top with 5/16" self tapping screws. The holes have been pre-drilled at the factory for your convenience. The cornice must be flush and equidistant to each corner as seen in the picture below. Each cornices are as long as two panels edge to edge.



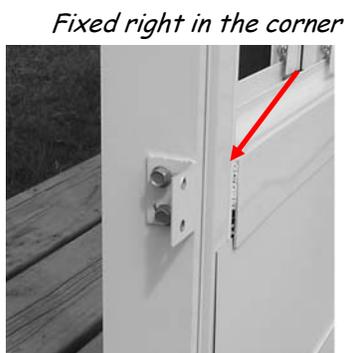
- Install the Flash attachment system® on the cornice. To do so, tilt the attachment system as shown so that it hitches on the lip of the cornice, and then tilt it back straight.



- Now your first wall is completed and it's time to start the second wall. Before fixing the U bracket, be sure that the panel is positioned at 90° to the first wall as shown. This is necessary for installing the corner capping later on.



- Fix three "L trims" with four holes on the side of the panel, those will be use to fix the two walls together.



it should have a little chink, easier to snap the 90° capping

- Slide the 90° bracket insert in the upper part of the Flash attachment system® so that it joins both panels together.



- Use 5/16" self tapping screws to fix the "L trims" and the bracket insert to secure and solidify the structure.
- Fix the fourth panel edge to edge with the third one, as explained previously, and then install the cornice and the Flash attachment system®
- Follow the same steps for panels 5, 6 and 7.

Building the 8th panel:

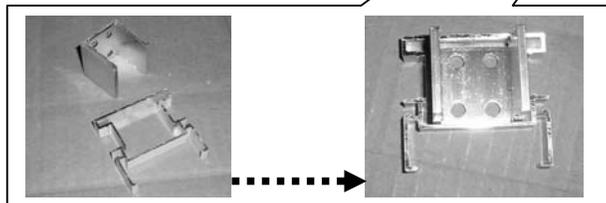
The 8th panel is composed of 2 side panels, a door and an upper door member complete with its 2 outside cappings.

To build this last panel :



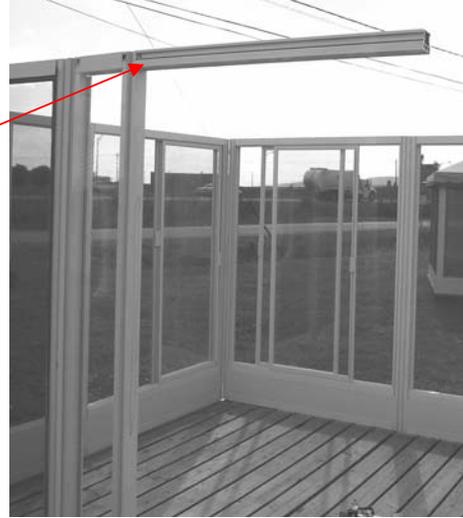
- Fix a U bracket on the platform and insert one side panel on it. Be sure that this side panel is edge to edge with the large panel and be sure that the polymer window is outwards.
- Fix both with #8 square head metal screws of 3" long. Pre-drill the small panel with a drill bit 5/32".

When this side panel is fixed, install a U bracket on the inside of each side panels as shown on the picture below.

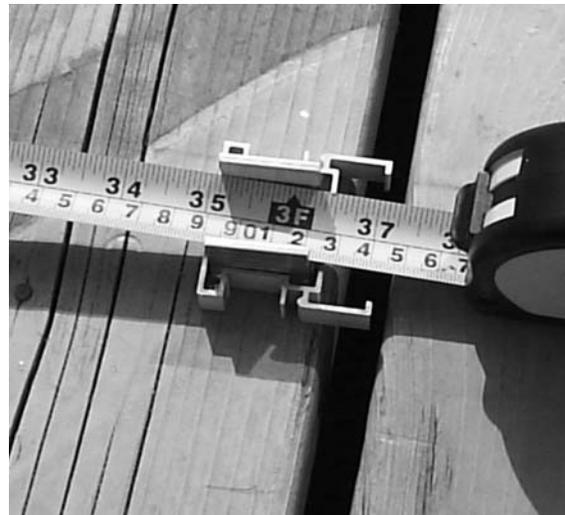


Use the gauge to be sure that the U bracket is well positioned

Screws on
both side



- Slide the upper door member in the U bracket (which was installed inside the panel) and fix it with self tapping screws on both sides, then install the cappings.
- To fix the second panel, measure 35 inches from the previous panel (this is the required opening for the door), and install a U bracket on your platform as shown. When the bracket is well positioned, insert the panel and fix it with 5/16" self tapping screws.



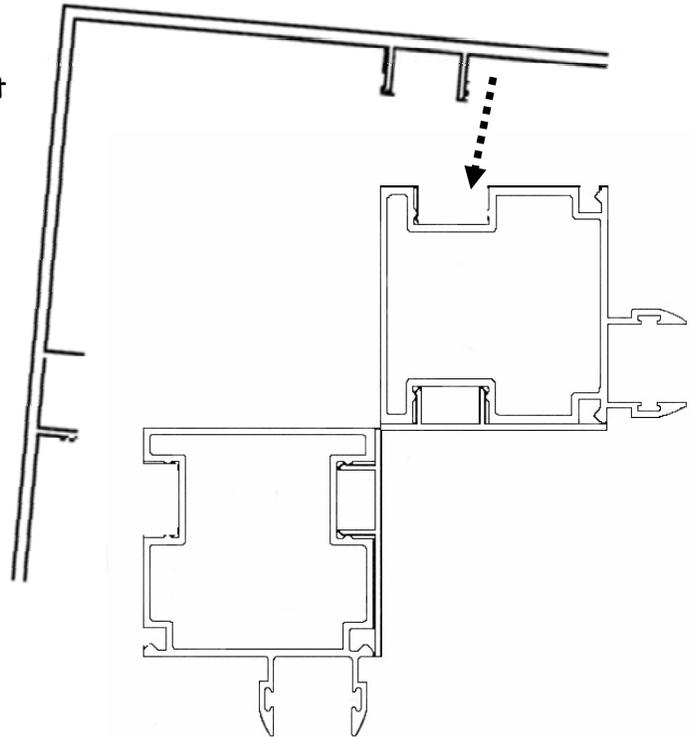
- Install the cornice on the top of the assembled panels as done with previous walls.
- Install the Flash attachment system® on the cornice, slide in the 90 ° insert to join the panels together. Fix the L trims with four holes and finish to fix the bracket insert with 5/16" self tapping screws to secure the panels together. The walls of the spa enclosure are now complete.

Installing exterior cappings :

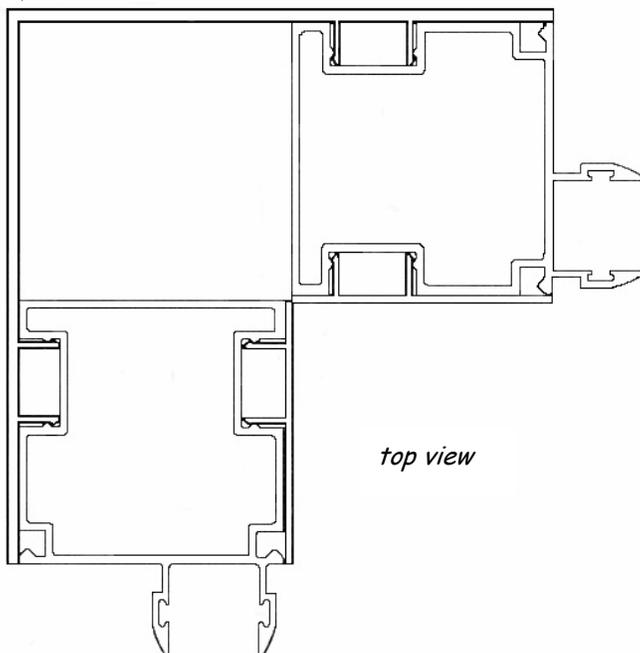
Once the structure is secured to the floor, the cappings can be installed. There are 8 exterior cappings that join the panels together, 4 double cappings and 4 90° exterior cappings

Install 90° exterior capping in each corner :

- Place the capping as seen on drawing below. Be sure that the screen is under the capping. Rest the other side of the capping on the other panel, make sure the screen is under the capping. With a rubber mallet, hit the side of the capping forcefully until the opposite end snaps into place.
- Start from the top of the structure and work your way down. If the walls have been joined correctly, the cappings will snap in easily.
- Repeat the procedure until all 4 cappings are installed in each corner.



Hit the capping on the corner with an angle to insert it



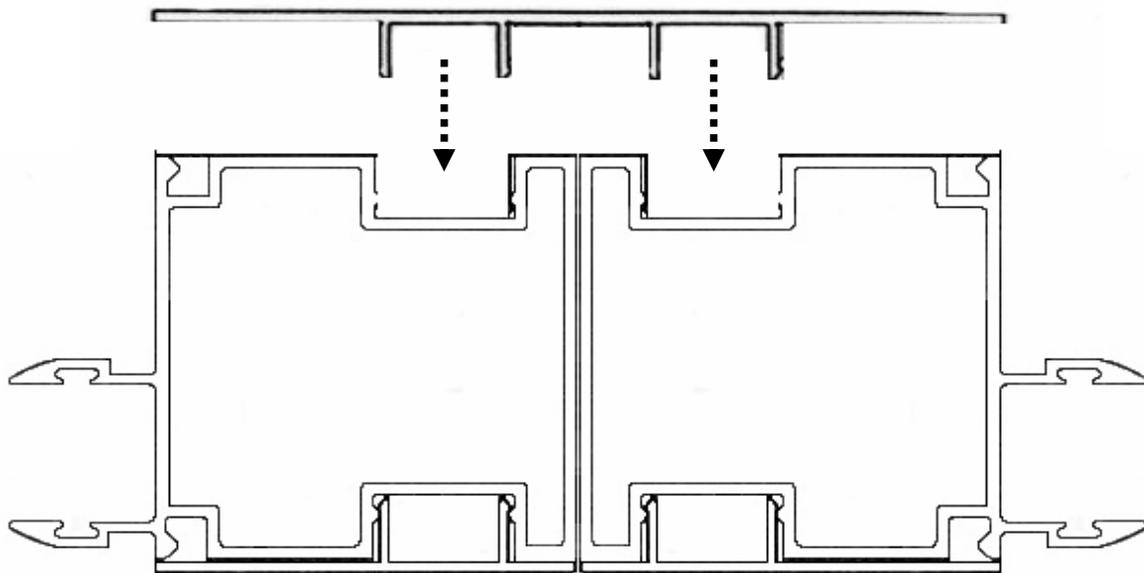
Installing double exterior cappings on each side :



- Place the capping as seen on drawing below. With a rubber mallet, hit the middle of the capping forcefully until it snaps into place.
- Start from the top of the structure and work your way down. If the walls have been joined correctly, the cappings will snap in easily.
- Repeat the procedure until all 4 cappings are installed in each side
- Be sure that the screen is under the capping before to hit.
- When your exteriors cappings are done, do not forget that you have 4 double interiors cappings to insert too. To do so, follow the same procedures as above.



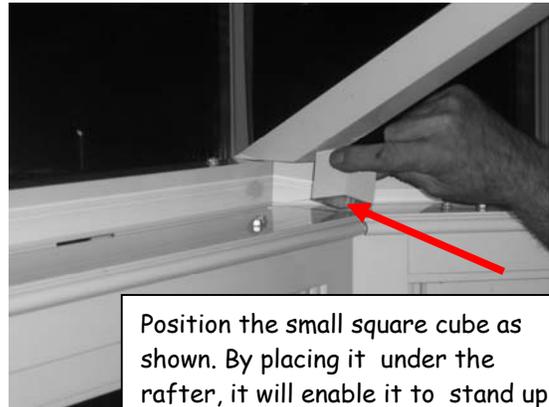
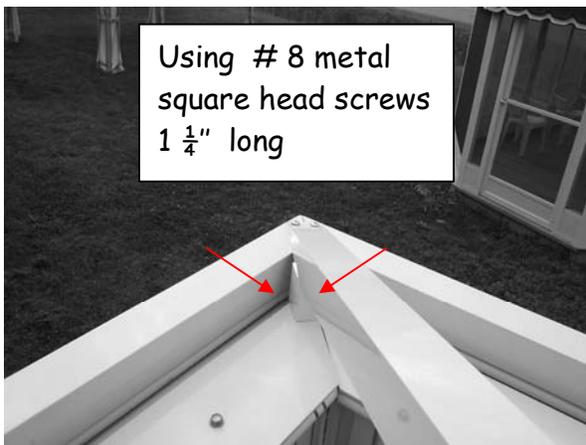
Hit in the middle of the capping



top view

ASSEMBLING THE ROOF

- We have provided 4 small square cubes to be installed under the roof rafters to hide the visible opening in the rafters and to be used as a support.



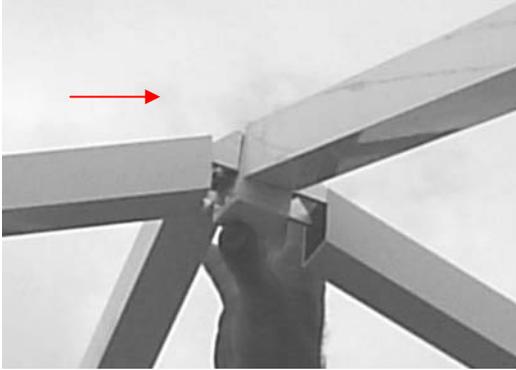
Position the small square cube as shown. By placing it under the rafter, it will enable it to stand up by itself.

- The rafters are now ready to be installed. Using # 8 metal square head screws 1 1/4" long, fix the rafters to the Flash attachment system®. Place the rafters on the Flash attachment system® as seen on picture. The rafters must be centered

between the two cornices and must be slightly inwards to ensure no shard edges will protrude. Pre-drill two 5/32" holes in the rafter, through the Flash attachment system® and through the 90° bracket inset (this step may have been done in the factory prior to shipment.)

- Repeat these steps until all 4 rafters are in position. With the help of small square cubes, each rafter should be standing up.





- You are now ready to fix the roof crown. Insert each rafter in the roof crown as shown and fix each rafter with 5/16" self tapping screws. You may have to pry the last rafter to fit it in the crown.

ATTENTION:

It is important to file down any rough or cutting edges found on the Flash attachment system® and rafters. If this is not done properly, the vinyl roof may be damaged during installation or later on.



- The aluminium structure is now complete and ready to receive the vinyl roof.

INSTALLING THE VINYL ROOFING

Unfolding the roof:

- The vinyl roof has been specially folded to facilitate the installation so leave it folded until further notice.



Pointy part

- With the help of someone inside the spa enclosure, place the vinyl roof on top of the roof structure and pull the pointy part of the vinyl roof up towards the centre of the awning



- Unfold the vinyl roof until you get half of the roof covered. Make sure you match the sewing seams with the rafters. No sewing seem should be visible from inside the spa.
- Unfold the other half of the vinyl roof by flipping it over to the other side of the structure. Note that the vinyl has been folded accordingly to facilitate this process.



- Once the vinyl roof is properly centred and the sewing seams are well aligned with the rafters, pull down each corner of the vinyl roof over the cornices as seen on the picture below.

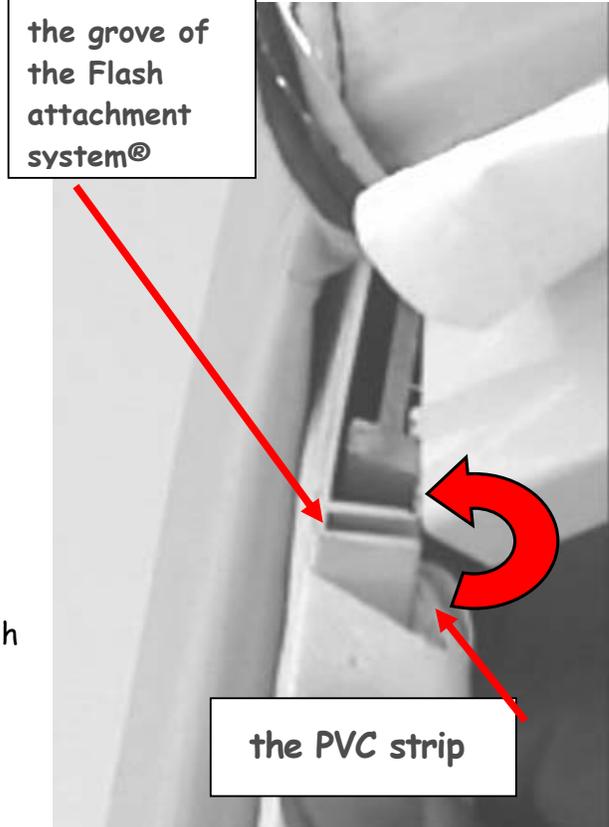
Tightening the vinyl roof using the Flash attachment system®

- The white Fabreen® strip sewn on the vinyl can now be inserted in the Flash attachment system® to put tension on the vinyl. To do so, fold the PVC strip in the groove of the Flash attachment system® as shown below. Follow this procedure until all 4 sides are inserted.

- With a sharp knife, cut a 3 inch long



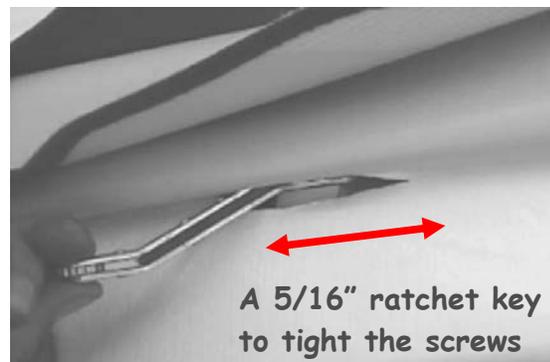
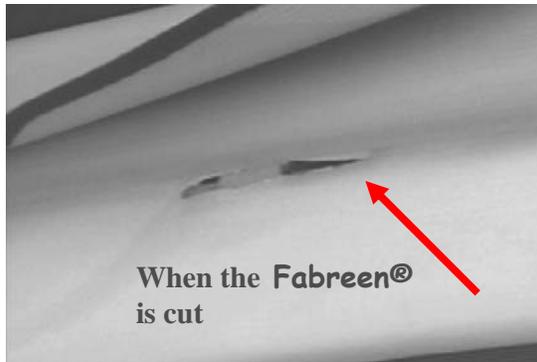
slit in the Fabreen® to access the bolts which will tension the system. There are 3 bolts per system, on each side and in the middle.



the groove of the Flash attachment system®

the PVC strip

- You are now ready to apply tension to the system. With a 5/16" hex wrench key, tighten the screws on the Flash attachment system®. Make sure you tighten all the bolts on each system so that the tension is distributed equally.



- It is important to alternate this tightening procedure on all 4 sides of the roof to ensure that the vinyl roof is properly aligned and tightened.
- This completes the roof installation. From inside the shelter, it should look like this :



THE DOOR INSTALLATION

- The door will be shipped to you completely assembled. Note that adjustments are possible with the bottom part of the door as well as the side door where the hinges are fixed.

hinges

- Align the hinges as shown on picture. Make sure you provide the proper clearance on top and on each side.



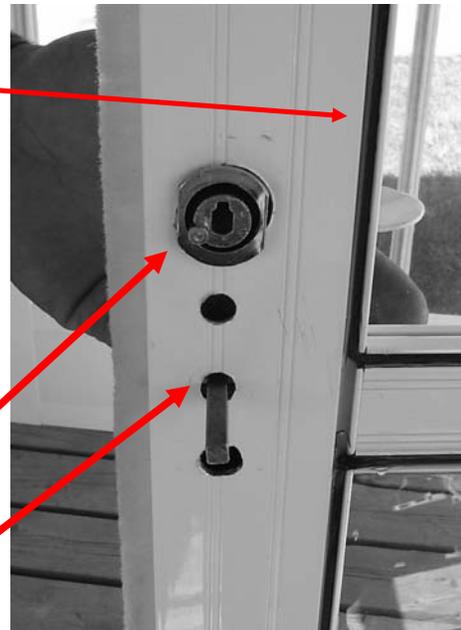
- Fix the hinges with #6 self tapping screws for door hinges, 3/8" long provided to the side panel.
- Secure the side and bottom portions of the door with #8 pan socket metal screw for door assembly. 3/4" long

- Make sure that the polymer piping is inside the awning

- The last step is the handle. The door will be pre-drill at the factory. The biggest hole is used for the lock. In the middle, you will have to insert a square bracket (it's used to attached both handles together). The following pictures will explain the assembly.

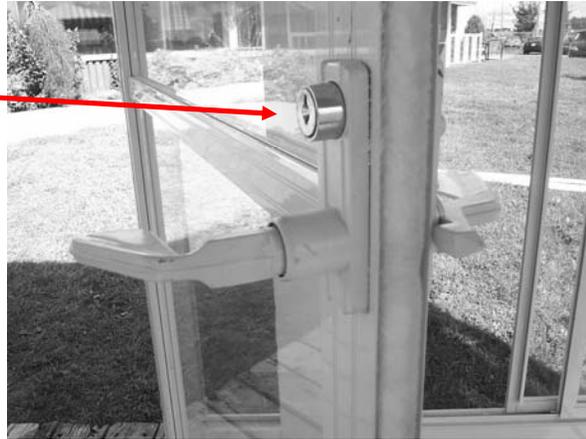
Door lock

Square bracket



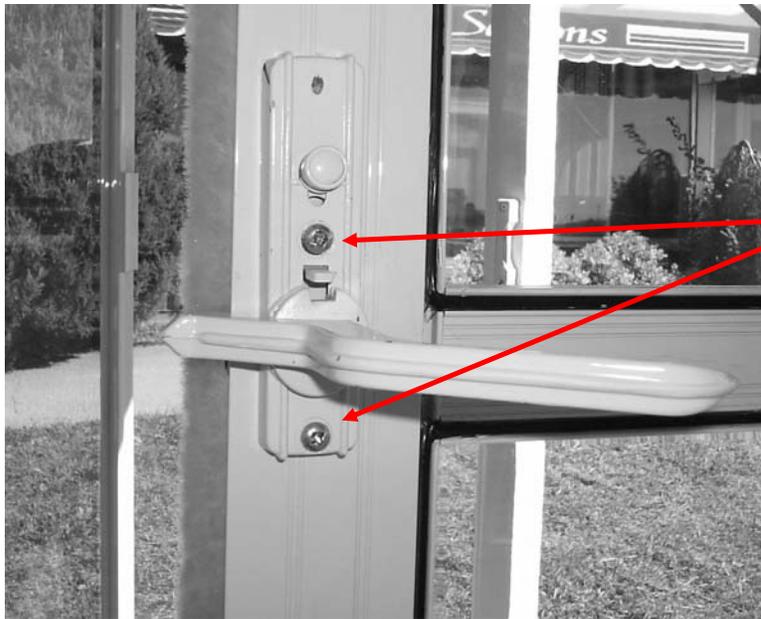
Door lock

- Be sure that the door lock is well positioned as shown and fix with the screws included in the package.



Exterior handle

Interior handle

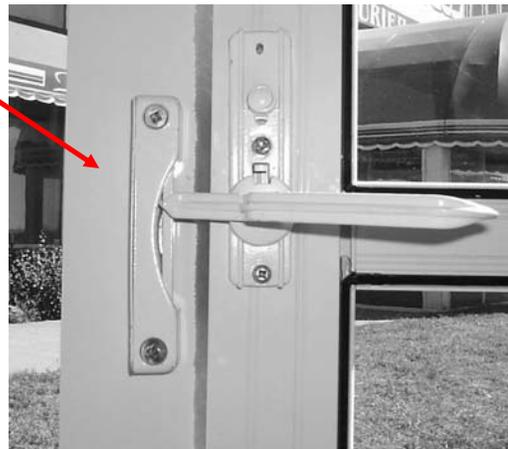


screws

- Install the inside door lock as shown. Align the inside handle to be sure that the lock is well positioned .



- Install the door stopper to be sure that the door will not damage the windows



YOUR INSTALLATION IS NOW COMPLETE

CONGRATULATION

