



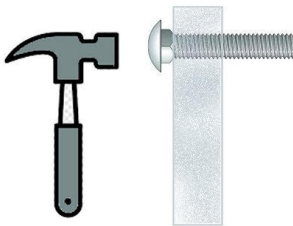
Ameri-Brand Products Inc

Airlock Install (Basic)

Tools Required: Portable Drill 1/4" Drill bit #2 Phillips Bit Hammer 7/16" Socket 9/16" Socket Ratchet Scissors Tarp.



Use a portable drill with a 1/4 inch bit to ream out any holes that are not lining up perfectly.



The bolts used are carriage bolts. As they do not have heads that can be used with a wrench, you can use a small hammer to "set" the square underside of the head of the bolt into the aluminum to hold it in place while the nuts and washers are applied.



If you have an awl, this can be used as an alignment tool while inserting the bolts. Very Handy!



If the install will take place when the temperature is less than 70 degrees (F) the use of a small heater can help to heat the cover and make it easier to work with.



- 1 There will be four packets of hardware. Cards 0, 1, 2, & 3.



- 2 Use card #0 to attach thresholds to the two base rails.



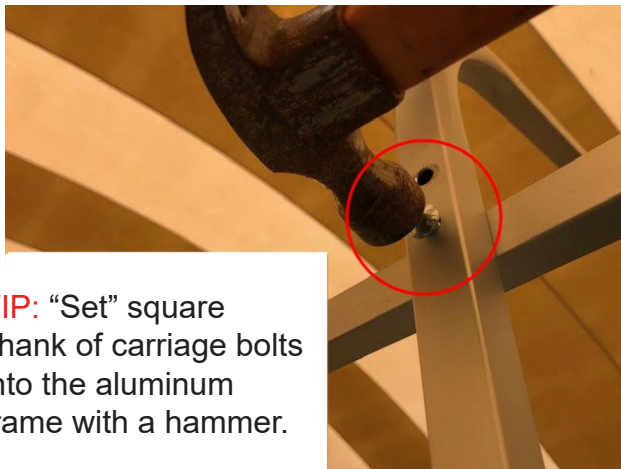
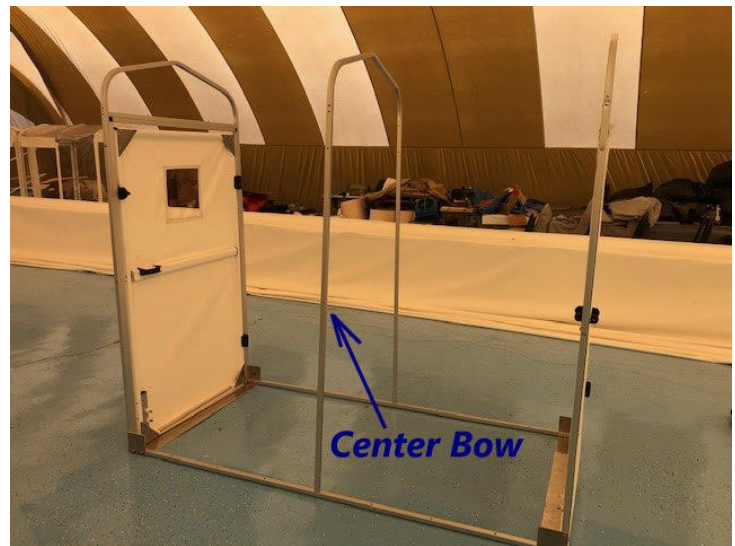
- 3 Install both door modules. Use only (4) of the 2-1/2" bolts from Card 1. Place one at each corner using the lower hole. Do not tighten these bolts too tight as you will be removing them shortly. NOTE: The door with the keyed lock is the outside door. All Airlock doors swing towards the pool.



4 Add the Center bow. -----

NOTE: In most cases you will receive an extra (4th) bow along with mounting hardware. This extra bow can be used (if needed) to attach the Dome wall at a different location other than the center of the airlock.

NOTE: The dome wall and mounting bow must be in alignment.



5 **TIP:** "Set" square shank of carriage bolts into the aluminum frame with a hammer.

6 Locate Eave and Ridge Bolts on card #1. Install the Eave or Upper Side Rails. (It's okay to tighten these bolts).





- 7 Install Center Ridge Rail.
(It's OK to tighten these bolts)



- 8 Place the tarp on the deck to protect the Airlock and Clear Cover from scrapes and scratches. Remove the cover from its wrappings.

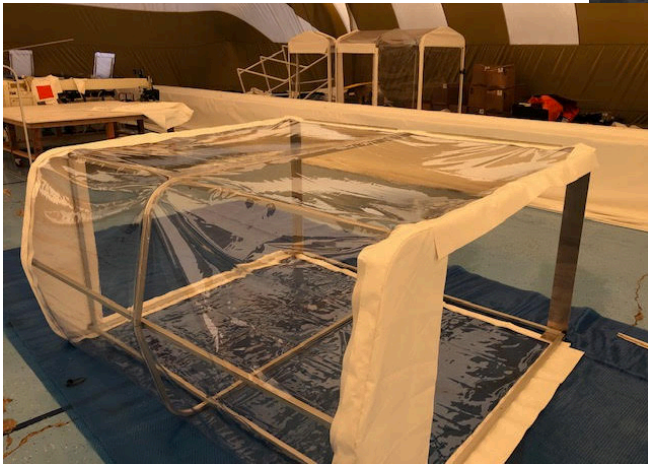
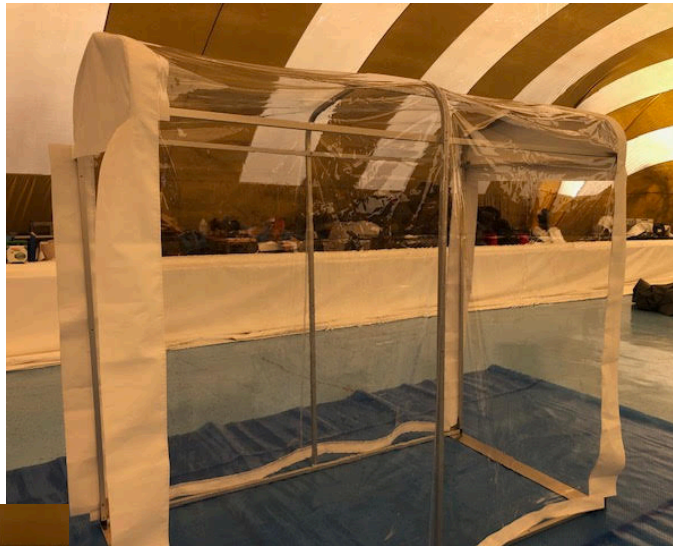
- 9 Spread the airlock cover onto the tarp for a few minutes to help the vinyl relax and flatten out. If the sun is shining on it, so much the better.

- 10 On both ends of the Airlock, remove the 6 bolts that secure the Door & Frame to the end bow. Place the Doors & Frames aside.

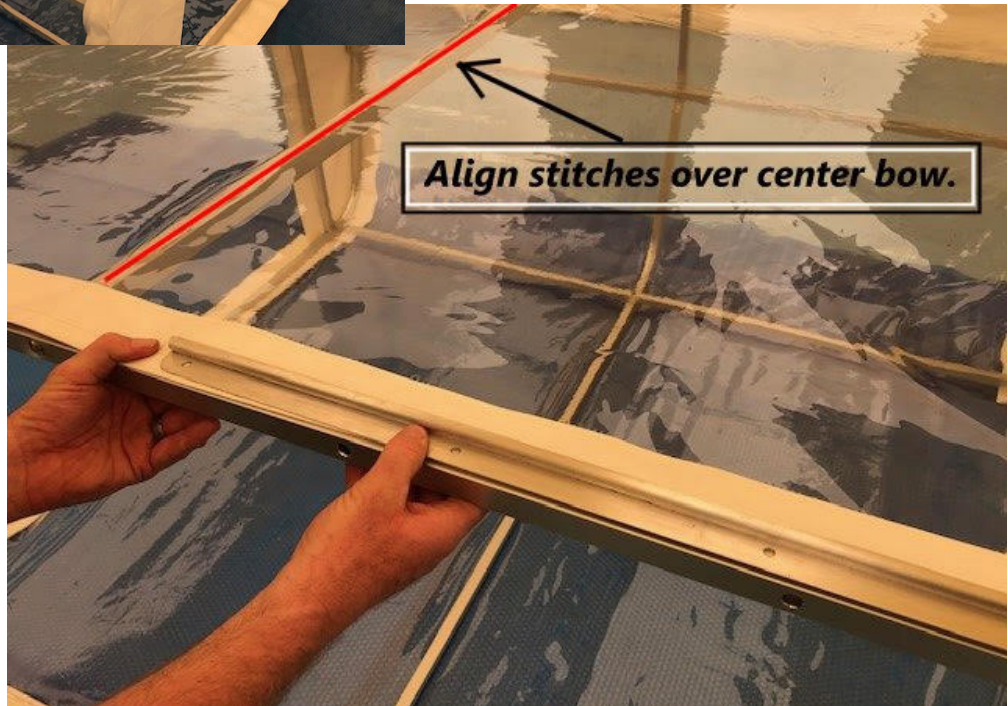




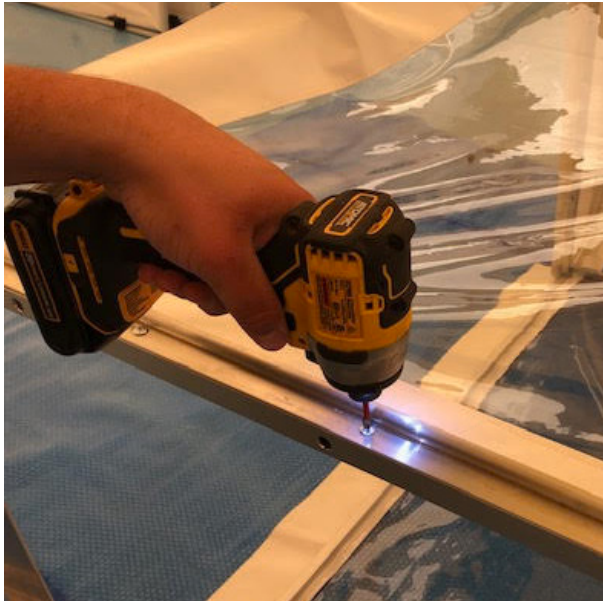
- 11** Place the Clear Cover over the Airlock. Align it on the frame as straight as possible. It will be a tight fit. If you need to, place a heater inside the unit for a few minutes in order to warm the vinyl and allow it to stretch.



- 12** Lay the Airlock & Cover on it's side on the tarp.



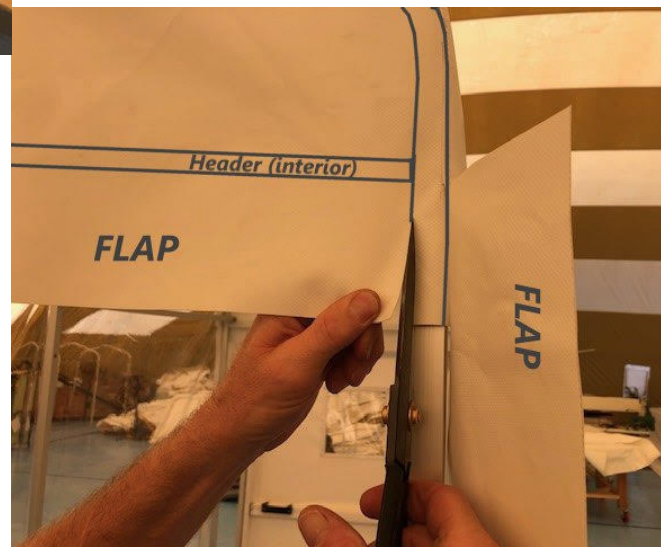
- 13** Align the stitching on the center of the cover directly over the center bow while pulling on the bottom edge of the cover until it's flush with the bottom edge of the base tubing.



14 Place one of the 4 Cover Retaining Strips between the middle & end bows. Center it and using the “Zip” screws provided on CARD #3, secure the Cover to the base strip. The holes are pre-drilled in the Retaining Strips. Complete the same process on the second strip on this side.

15 Flip the Airlock over onto its other side and pulling tightly on the cover, repeat the process shown in steps 13-14.

16 Stand the Airlock up.



17 Use the scissors to cut 2 vertical slices (one on the left and one on the right) into the upper flap. The slice should begin on the lower raw edge and end at the underside of the header tube.

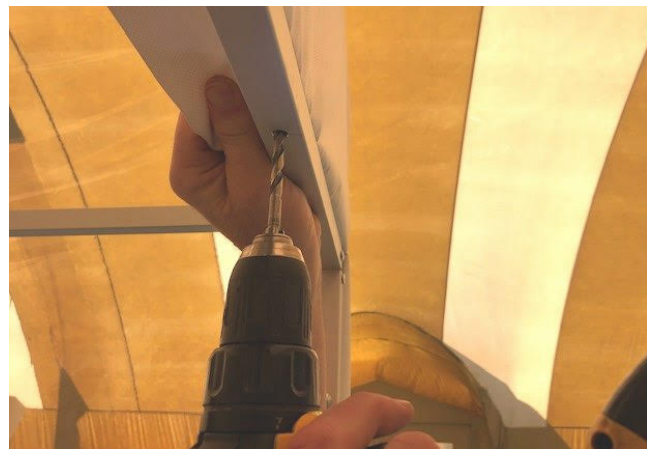


18 With the help of an assistant, wrap the loose flaps of the cover around the aluminum tubes on the top and both sides. Re-insert the Door & Frame into place. From the inside of the unit, pull tightly on the flap and run the 1/4” drill bit through the pre-drilled hole to pierce the vinyl.



19

Using the (6) 2-1/4" bolts, washers, & nuts that originally held the door & frame in place, complete the reinstall of the door & frame module.



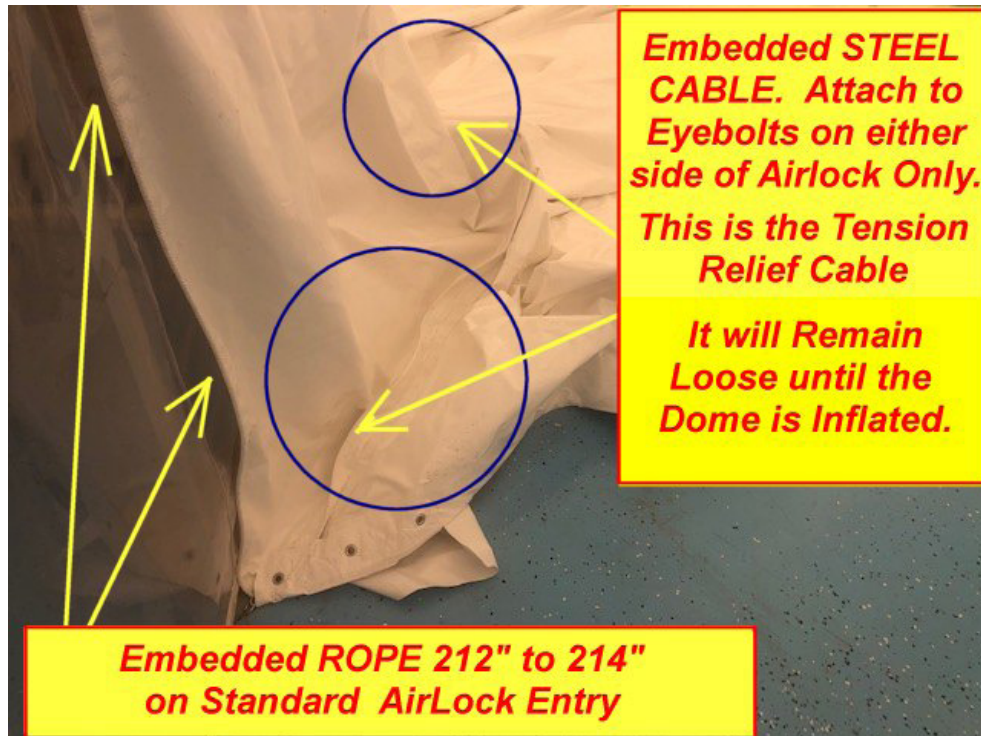
20

Use the same process to complete the other side.



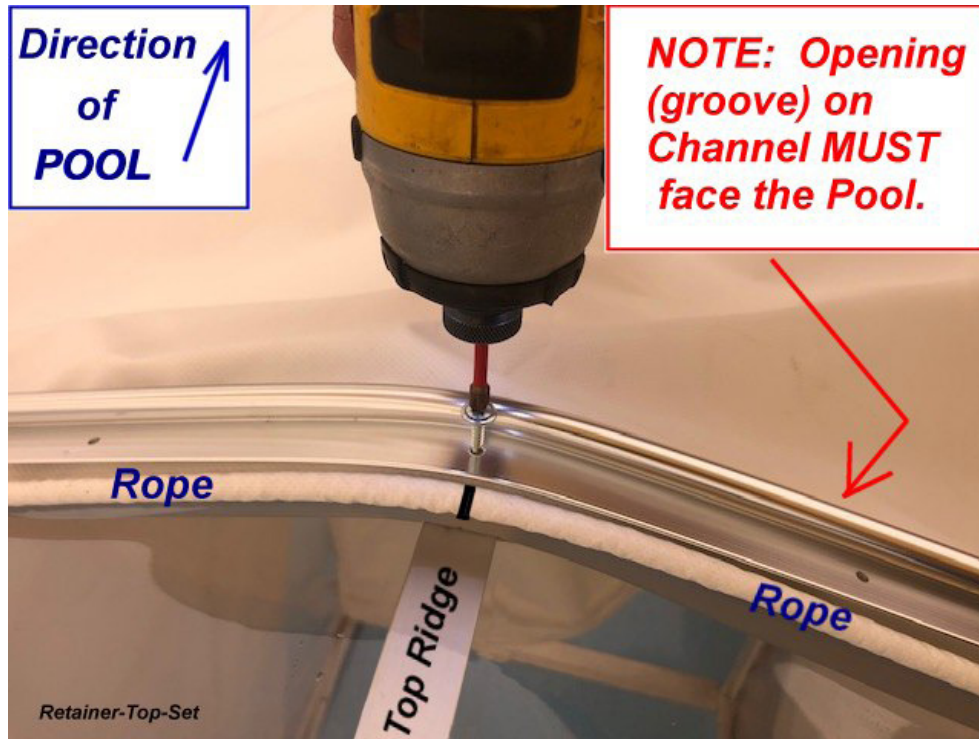
21

Position the Airlock at the specified location. Make sure the “bow” to which the shroud is to be attached is perfectly in line with the wall of the dome. Secure the Air-Lock to the deck with the concrete anchors and bolts provided. Also, there needs to be an eyebolt placed on each side of the Air-Lock. These eyebolts need to be 1” away from the Air-Lock. (These are the eyebolts that the chain will be attached to after the shroud is attached to the Air-Lock).



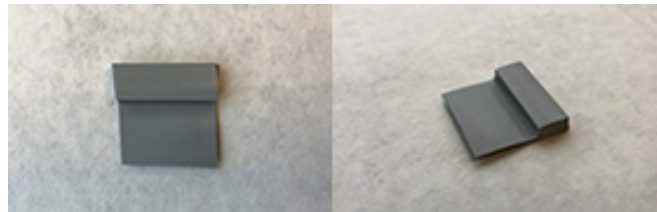
22

Locate the rope and the steel cable on the shroud. The Rope is the component that attaches directly to the Air-Lock. The total wrap dimension of this rope should be 212" - 214". Do not confuse this “ROPE” with the much longer “Steel Cable” (encased in vinyl) that DOES NOT attach to anything except the the pre-attached chain at the base of the dome. This chain attaches directly to the eyebolts on either side at the base of the Air-Lock. Attaching the chain to the eyebolts is the **last step** in securing the dome to the Air-lock.



23

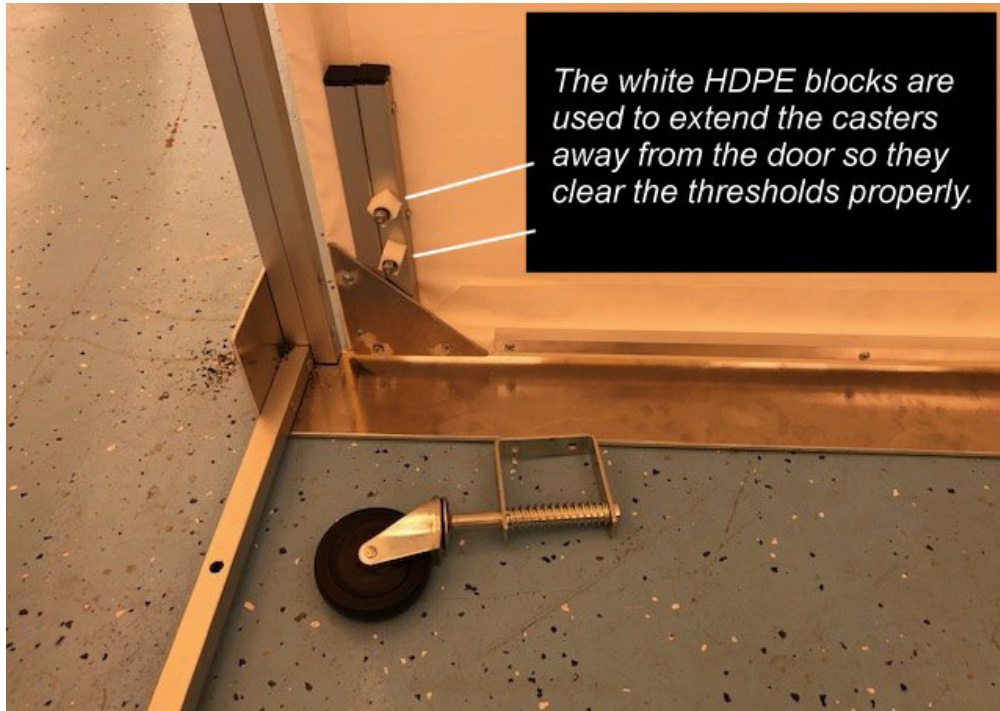
Measure the full length of the rope and place a mark dead center of the rope.
Note: On residential pool domes the rope may be substituted with a hard vinyl extrusion similar to the one in the picture (below).



Position the Rope (encased in vinyl) over the bow to which it will be attached. CENTER the mark on the shroud rope directly over the Top Ridge. Pull the encased rope underneath the retainer so that **ONLY** the rope is exposed. Place the top portion (the formed section) of the Shroud Retainer over the top of the Air-Lock. Be sure the open portion of the channel is **facing towards the pool.** The encased Rope on the shroud **DOES NOT** go into the channel. It is instead “sandwiched” under the Shroud Retainer. Set your first screw through the predrilled hole. You will be screwing through the Aluminum retainer, the white shroud, the clear vinyl cover, and into the Aluminum Top Ridge.

Continue to attach the top retainer working downward towards the side of the bow. There are 2 additional straight pieces of retainer that will complete the attachment on the sides of the Air-Lock.

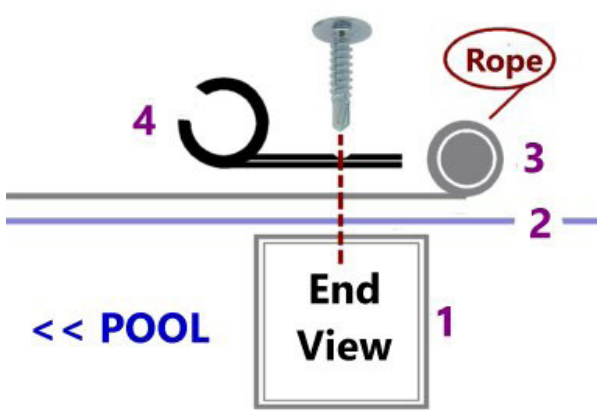
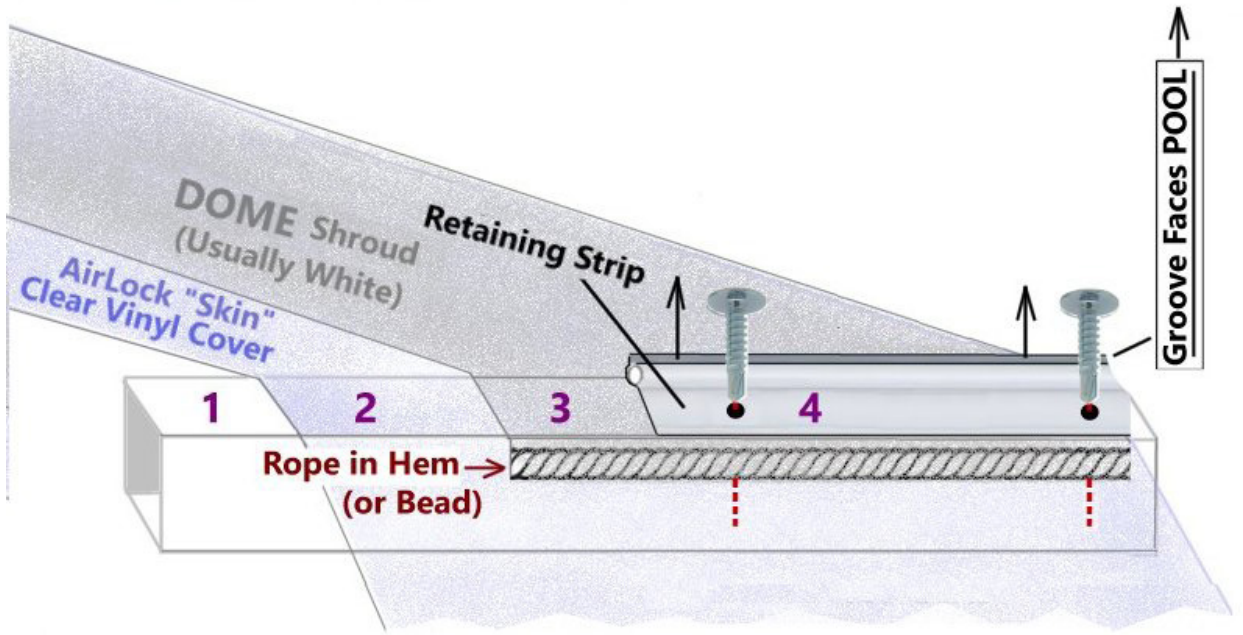
To complete the Airlock installation, secure the 2 Bottom chains to the Eyebolts at the base of the airlock with the Quick-links Provided.



24 Install the 2 adjustment casters. One per door.

Attaching the DOME SHROUD to Entry or Exit

POOL



NOTE: Rope (or bead) DOES NOT go into channel on Retaining Strip. Channel is to remain clear and Channel opening MUST face Pool.

- 1** Aluminum Frame
- 2** Clear Vinyl Cover
- 3** DOME Shroud
- 4** Retaining Strip

SHROUD-to-ALCD-AL-CD-3-9-21

Ameri-Brand Products Inc
 4619 Olive Hwy.
 Oroville, CA. 95966
800-982-6966
 www.ameri-brand.com • info@go-ab.com

DomeALI-195
 rev-6-28-2022 TJM