



ALUMAROOM

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INSTALLATION INSTRUCTIONS

AR05XX00XX

Form No. 3313534.038
Replaces 3313534.020
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LaGrange, IN 46761
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**Read these instructions carefully. These
instructions MUST stay with this product.**

INTRODUCTION

These instructions apply to AlumaRoom (hereinafter referred to as “AlumaRoom,” or “product”). Use these instructions to ensure a properly installed, and properly functioning product.

ATTENTION:

BELOW ARE ITEMS TO REMEMBER WHILE ENJOYING THE LUXURY AND CONVENIENCE OF YOUR NEW ALUMAROOM.

- This product is a temporary soft-side aluminum structure, designed for seasonal use only as an outdoor RV room addition. It is not designed or intended for use when weather temperatures are at or below 32°F (0°C), or when there is the potential for snow or ice. It is mandatory to take this room down and stow the awning during winter conditions.
- Your new AlumaRoom is a temporary soft-side aluminum structure, designed for outdoor RV room additions intended for installation under an RV awning. All vinyl or acrylic awnings have instructions that recommend awnings be placed in the stored position in high winds or are sold with a wind sensor to help protect the awning at winds above approximately 18mph. This structure and the rafter system will disable wind sensors and prevent the stowing of the awning during windy weather. Please be aware that consistent high winds may cause the vinyl material of the awning and the upper side skirts of the room to billow and may disconnect sections of the Dual Lock™ fasteners. If you incur windy days or storms with sudden strong winds you may need to periodically check the room's upper fabric, the front wall valance, the Dual Lock™ fasteners, and the awning's fabric over the rafters to see if any adjustment is necessary. This room is not designed to withstand consistently strong winds or extreme wind gusts during storms.
- The New AlumaRoom is a temporary soft-side aluminum structure, designed for outdoor RV room additions. It is rain resistant. The Rafter System provided with this room will shed water and prevent pooling on the awning. However, downpours and driving rain may cause the infiltration of water in the seams of the windows and screen channels, the seams between the joining pieces of the room, and may, if there is enough rain water runoff, overflow the bottom track.

PLEASE READ THESE INSTRUCTIONS THOROUGHLY BEFORE ATTEMPTING THE CONSTRUCTION OF THIS ROOM. FAILURE TO FOLLOW THESE DIRECTIONS IN THE ORDER AND SEQUENCE DEFINED HEREIN MAY CAUSE THE INSTALLER TO HAVE TO DISASSEMBLE PORTIONS OR ALL OF THE ROOM IN ORDER TO ASSEMBLE THE ROOM CORRECTLY.

Dometic, LLC reserves the right to modify appearances and specifications without notice.

DOCUMENT SYMBOLS



Indicates additional information that is **NOT** related to physical injury.



Indicates step-by-step instructions.

TABLE OF CONTENTS

INTRODUCTION	2
DOCUMENT SYMBOLS	2
IMPORTANT SAFETY INSTRUCTIONS.....	4
A. Recognize Safety Information	4
B. Understand Signal Words.....	4
C. Supplemental Directives.....	4
D. General Safety Messages	4
PROCEDURE.....	5
A. Site Preparation:.....	6
B. Position awning:	7
C. Installation of valance:.....	8
D. Installation of rafter assemblies:	8
E. Bottom track installation:	10
F. Installing the tubular corner posts:.....	12
G. AlumaRoom wall, setup:.....	13
H. Installation of upper skirts:.....	16
I. RV wheel skirt installation:.....	19
J. Main skirt installation:	20
K. Securing the AlumaRoom front wall to the valance:	21
L. Installation of door handles:.....	22
GENERAL CARE AND USE.....	23
A. AlumaRoom maintenance.	23

IMPORTANT SAFETY INSTRUCTIONS

This manual has safety information and instructions to help users eliminate or reduce the risk of accidents and injuries.

A. Recognize Safety Information



This is the safety alert symbol. It is used to alert you to potential physical injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

B. Understand Signal Words

A signal word will identify safety messages and property damage messages, and will indicate the degree or level of hazard seriousness.

⚠ WARNING indicates a hazardous situation that, if **NOT** avoided, could result in death or serious injury.

⚠ CAUTION indicates a hazardous situation that, if **NOT** avoided, could result in minor or moderate injury.

NOTICE is used to address practices **NOT** related to physical injury.

C. Supplemental Directives



Read and follow all safety information and instructions to avoid possible injury or death.

Read and understand these instructions before [installing / using / servicing / performing maintenance] on this product.

Incorrect [installation / operation / servicing / maintaining] of this product can lead to serious injury. Follow all instructions.

The installation **MUST** comply with all applicable local or national codes.

D. General Safety Messages

⚠ WARNING Failure to obey the following warnings could result in death or serious injury:

- This product **MUST** be [installed / serviced] by a qualified service technician.
- Do **NOT** modify this product in any way. Modification can be extremely hazardous.
- **IMPACT OR CRUSH HAZARD.** Prior to winter weather conditions **ALWAYS** disassemble screen room including the rafters and return awning to the closed position.

PROCEDURE

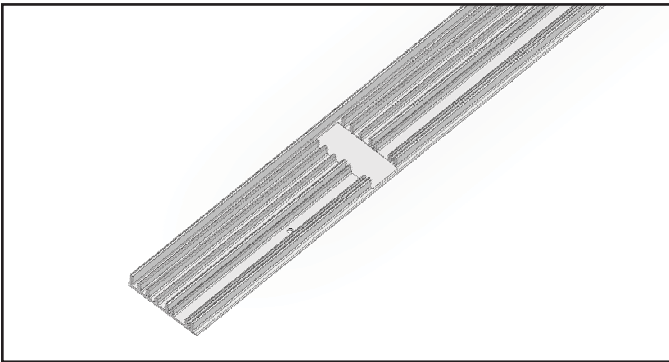
TOOLS REQUIRED:

- Electric or battery operated drill
- Hammer
- Standard Screwdriver
- Scissors
- Measuring tape
- Plumb bob
- 13/32" metal drill bit
- Pencil
- Chalk line
- Level
- Silicone caulk
- Center punch
- Ladder
- 7/64" metal drill bit
- Framing Square
- 1/4" Hex Bit
- #2 Phillips Bit
- Rubber Mallet
- Emory Cloth or De Burring Tool

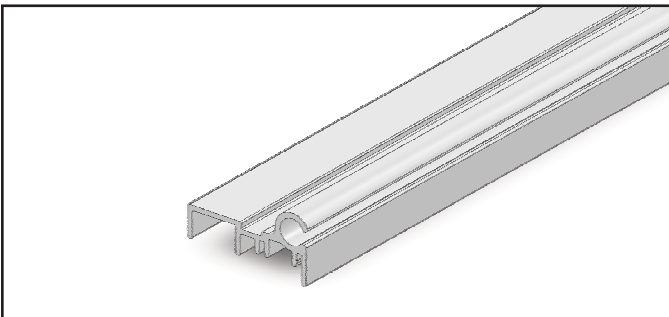
ALUMAROOM comes in 5 boxes.

PARTS FOR ASSEMBLY: Please locate each of these and organize them by part name.

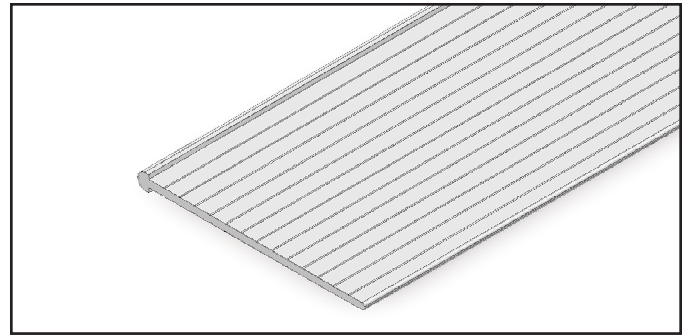
BOX 1-Rail and Extrusion Kit



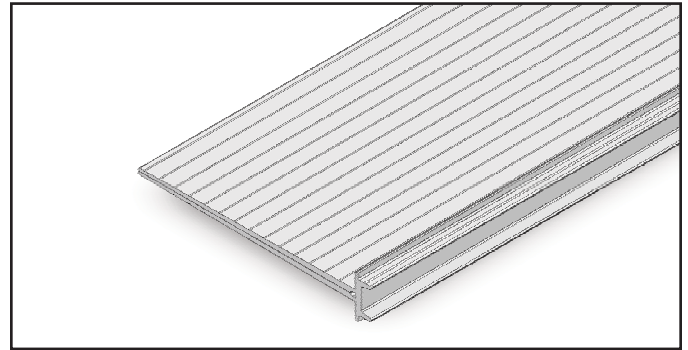
- 5 bottom tracks



- 5 top rails

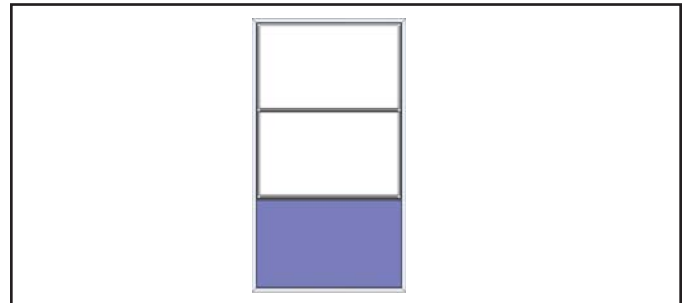


- 3 roller tube valances

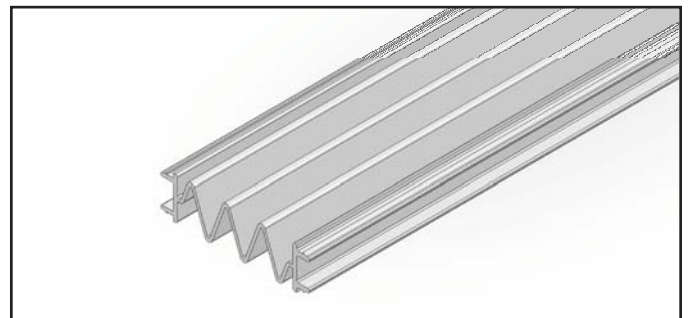


- 2 wall seal flanges

BOX 2-Side Wall Panel Kit

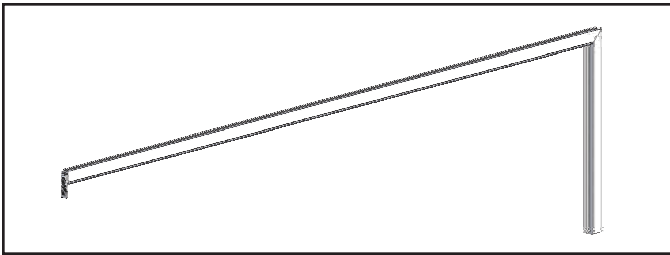


- 4 wall panels with sliding windows



- 4 panel joiners

PROCEDURE

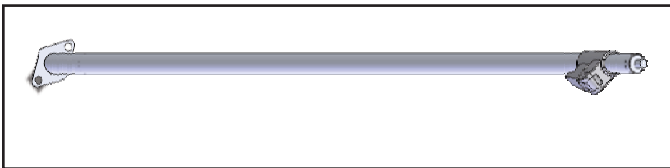


- 2 door posts

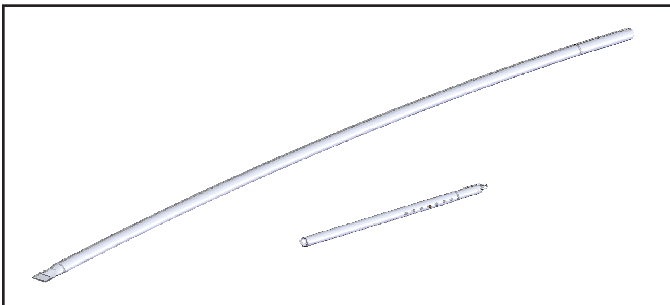


- 2 pcs of wool pile

BOX 3-Rafter and Corner Post Kit



- 2 tubular corner posts



- 5 curved (2-pc) rafters for the 10' 11" room
- 6 curved (2-pc) rafters for the 14' 8" room
- 8 curved (2-pc) rafters for the 18' 5" room
- 9 curved (2-pc) rafters for the 22' 2" room

BOX 4-Front Wall Panel Kit

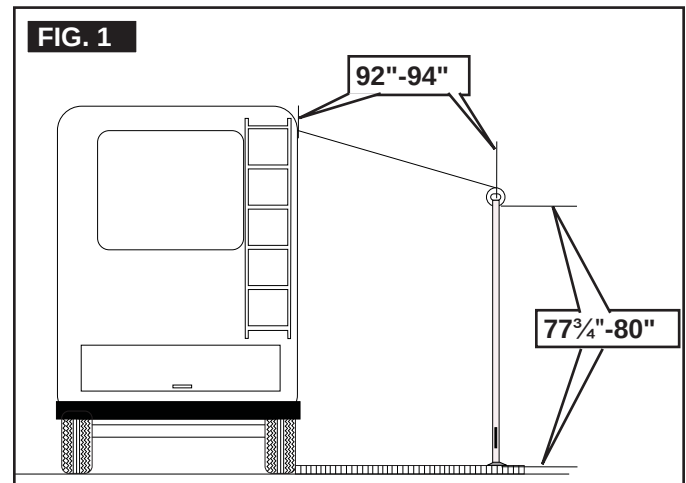
- 3 wall panels with sliding windows for the 10' 11" room
- 4 wall panels with sliding windows and 1 panel joiner for the 14' 8" room
- 5 wall panels with sliding windows and 2 panel joiners for the 18' 5" room
- 6 wall panels with sliding windows and 3 panel joiners for the 22' 2" room
- 2 pcs of wool pile

BOX 5-Accessory and Skirt Kit

- OPEN BOX 5 AND CHECK THE CONTENTS SHEET.

A. Site Preparation:

1. Make sure when your awning is fully extended, that the distance perpendicular from the RV wall to the center of the roller tube is between 92" and 94", and the height from the bottom of the roller tube to the ground is between 77 3/4" and 80". Awning must be in carport position. See Figure (FIG. 1).



This section is an extremely important for the successful installation of your patented AlumaRoom. In order to proceed with the installation please verify the following:

2. Make sure that the RV has been properly leveled. If necessary make the needed adjustments to level the unit.
3. Look in the area under the entire awning fabric when the awning is fully extended. This is the area 92" to 94" from the wall of the RV for the full length of the awning. Make sure that there are no obstructions present in the area where you intend to place the room. This means that you need to check for the flatness of the surface (concrete or wood deck) that you intend to use as your patio and the surface that you will use to mount the tracks and walls of the room.



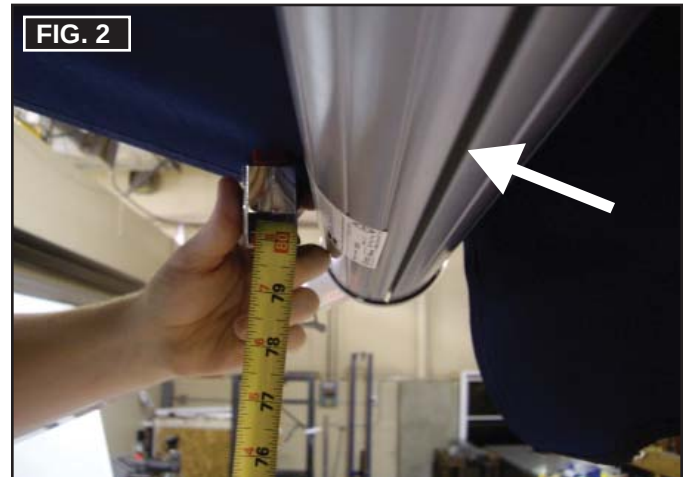
Whereas the surface does **NOT** need to be absolutely level, consideration **MUST** be made as to how rain water run-off will flow when planning your room installation. A flat surface that allows rain water run-off to run away from the room and RV are essential.

PROCEDURE

4. The concrete or wood deck patio surface where you intend to install your AlumaRoom should not have uneven spots, holes, or sudden rises. Pay particular attention to where the perimeter of the room will be. The mounting surface for the walls must be flat so that the bottom tracks can lay flush on the patio surface. Remember the bottom track is where the doors slide. Any change in the flatness of the surface under the bottom track will restrict the sliding action of the doors or make them impossible to move.
5. The angle between the patio surface and the wall of the RV should be 90° to 91°.
6. When the awning is fully extended, the distance from the bottom of the roller tube to the surface of your concrete or wood deck patio should be between 77 3/4" to 80".
7. If your patio surface is a wood deck, the bottom tracks will be secured with the wood screws provided with your room kit. If you are using a concrete patio as the surface where you mount the bottom tracks, you will need to purchase up to 32 masonry fasteners to replace the wood screws that will secure the bottom tracks around the perimeter of the room. Any masonry fasteners must have a head size no larger than 5/16" diameter and 3/16" high.
8. Once you have leveled your RV, have acquired a patio surface of concrete or wood that is 90° to 91° from the sidewall of the RV where the AlumaRoom is to be installed, and you have assured that the patio surface is flat, you are ready to begin the installation procedure.
9. Become familiar with the service, luggage, and entry door as well as window locations on your RV. Select a room size from the 4 available room sizes that will not interfere with these locations.
10. Decide whether you wish to enter your RV from within the AlumaRoom or whether you wish the RV entry door to be outside of the room. Make the size selection of your room, based on your preferences from the 4 available room sizes. You must maintain at least 6" of awning fabric outside of the side walls of the room.
11. Your AlumaRoom comes with 2 doors. One for the front wall and one for the side wall of your choice.

B. Position awning:

1.  Extend the awning on the RV. Locate the roller tube so that it is 77 3/4" to 80" from the bottom of the awning roller tube to the patio surface. Measure this down the entire length of the awning. Also make sure that the extension of the awning from the Side wall of the RV is between 92 and 94" to the center of the roller tube. Check at both ends of the awning.
2. Position awning arms in the carport position and secure them to the deck.
 For awnings which cannot be placed in the Car Port position, the side door provision will **NOT** be possible. In this situation all 4 side panels **MUST** be placed in the fixed track position, and the side door posts are **NOT** used.
3. Position the roller tube such that the accessory groove is pointed directly down at the patio surface. See Figure (FIG. 2).



PROCEDURE

C. Installation of valance:

1. At one end of the roller tube where you intend to put one side wall of the AlumaRoom, at the location where the awning fabric is partially wrapped around the roller tube, measure in 6 inches from the edge of the fabric and mark the roller tube at the accessory groove with an erasable marker or chalk. (If you elect to locate your side walls under the fabric further than 6" from the edge, you will have to calculate this based on your intended location of the side walls and the size of room you are constructing.) See Figure (FIG. 3).



2. Make sure that you are not closer than 4" to the adjustable awning arm when it is in either the vertical "patio position" or the standard side arm position latched into the bottom foot on the RV. This 4" gives clearance for the operation of the height adjustment on the awning. (The door end of your AlumaRoom will require that the adjustable awning arm on that end of the room be secured in the "patio" position.)
3. Locate the other end of the AlumaRoom as follows:
 - a. You may choose to install a room of a different size based on preference of RV door location and locations of windows and other service doors. Make sure that your vertical wall placement will not interfere with these important locations.

STANDARD ROOM SIZES ARE:

10' 11" 14' 8" 18' 5" 22' 2"

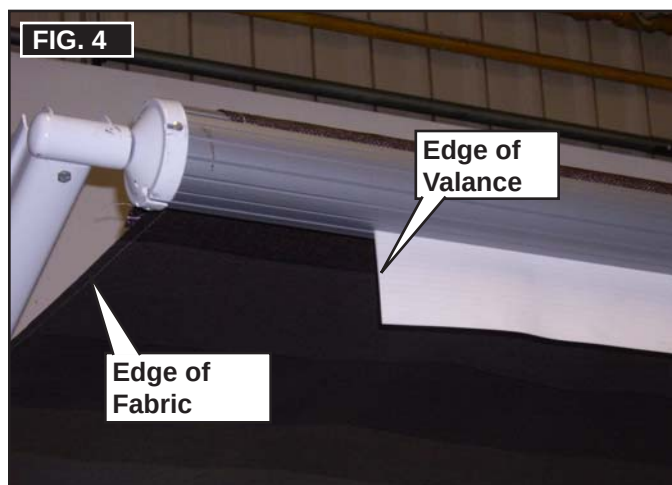
- b. Locate which awning end cap has the opening for adding accessories into the accessory groove of your awning roller tube. Find the sections of roller tube valance in your AlumaRoom kit. Install the number of valances shown below into the accessory groove of the awning roller tube by sliding them into

the groove from the opening in the end cap that you have just located. Slide all valances until they butt against each other. Tape them together at the seams with regular masking tape so that they stay together.

Standard Room Sizes	10'11"	14'8"	18'5"	22'2"
Number of Valances Required	2	2	3	3
Cut The Last Valance To	3'-4 1/2"	7'-1 1/2"	3'-4"	7'-1"

(NOTE: When you cut the valances mark them with a square before you cut.) We suggest that you mark the last valance you install according to the chart above. Then, prior to cutting you slide it in place and measure the complete dimension across the entire Valance to determine if it sums to the room sizes shown above. Once the dimension of all valance sections in place between the outside end of the first piece and the mark that you have made for the cut matches the appropriate room size then slide the valance back out and cut off the excess valance material at the mark.

4. Position the valance where the room side wall is going to be. Maintain a minimum of 6" from both ends of the fabric edge. See Figure (FIG. 4)



D. Installation of rafter assemblies:

⚠ WARNING IMPACT OR CRUSH HAZARD. Prior to winter weather conditions always disassemble screen room including the rafters and return awning to the closed position.

1. Check the placement of the valance to make sure that the leading end of the valance is where you placed the mark on the roller tube at least 6 inches in from the edge of the fabric.

PROCEDURE

2. On the roller tube, under the awning fabric, measure down $\frac{1}{2}$ " from where the fabric retention groove is located. Draw a line on the roller tube, clear across for the full dimension of the selected room, at this $\frac{1}{2}$ " distance. See Figure (FIG. 5).



3. At the leading end of the valance, measure in $\frac{1}{2}$ " from the end of the valance and mark that spot on the awning roller tube. Using a center punch make an indentation to start a $\frac{13}{32}$ " hole. Using your drill and a $\frac{13}{32}$ " drill bit drill a hole at that location. Make sure that you remove any sharp edges or metal burrs from the hole that you drill in the roller tube to avoid damage to fabric when rolling up. See Figure (FIG. 6).



4. On the RV wall, just below the awning rail, on the same end of the awning where you have drilled the first rafter hole on the roller tube, measure in from the edge of the fabric 6" or the same distance as measured on the roller tube valance to the hole you drilled in step (3). Mark that location.
5. Using the aluminum rafter channel and the nylon bushings with the #8-18 x 1" hex head self-drilling screws supplied for the rafters, center the rafter channel horizontally in place over the mark and screw into the side wall of the RV. See Figure (FIG. 7).



6. Install pipe insulation provided in BOX 5 onto the rafter, starting at the round end and work it up to about 12" from the flat end. Insert the short rafter tube into the long curved tube. See Figures (FIG. 8) and (FIG. 9).



7. Install the first curved rafter assembly by adjusting the length so that it is two notches too long for insertion with the spring tension relaxed. Then insert the flat end of the curved rafter into the aluminum rafter channel and compress the pin end of the rafter so that you can fit the pin of the rafter end into the $\frac{13}{32}$ " hole that you have drilled in the roller tube. Use care not to scratch the roller tube. Make sure that the curve of the rafter points up and provides tension on the awning fabric. See Figure (FIG. 10) and (FIG. 11).

PROCEDURE



8. Use Table 1 below to find the distance between rafters:

Table 1:

Standard Room sizes	10' 11"	14' 8"	18' 5"	22' 2"
No. of Remaining Rafters	4	5	7	8
Distance Between Rafters	32 1/2"	35"	31 7/16"	33 1/8"

9. Locate the centers of the rafter pin locations along the 1/2" line that you marked on the roller tube earlier. Using a center punch mark these locations. Then drill the holes using the 13/32" drill bit and electric drill. Make sure that you remove any sharp edges or metal burrs from the holes that you drill in the roller tube. You can use emery cloth to remove any sharp edges and burrs.

 Install the first and last rafter 1/2" from the valance. Then install the remaining rafters.

10. Locate and mark the centers of the remaining rafter channel locations on the RV wall, just below the awning rail using the same dimension between rafters that you used to locate the rafter pins in the roller tube.

11. Using the aluminum rafter channel and the nylon spacer with the screws supplied for the rafters, center each rafter channel horizontally in place over the mark and screw into the side wall of the RV. See FIG. (FIG. 12)



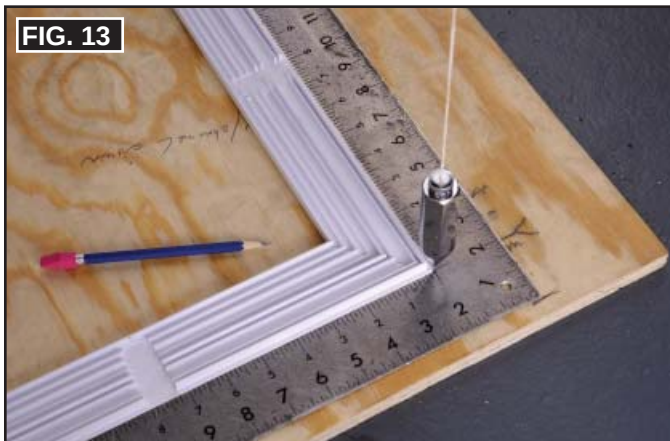
12. Repeat steps (5) through (7) for each rafter.

E. Bottom track installation:

-  1. Drop a plumb line from the front edge of the room valance that is installed in the awning roller tube's accessory groove. Drop the plumb line from a point about an inch from the end of the valance, then make a mark where the plumb line meets the floor surface.
2. Go to the other end of the valance and repeat step (1) to make a mark on the floor near that end.
3. At one front corner of the room, drop a plumb line from the endmost rafter. Do this by passing the plumb line up from the outside of the room and over the insulation on the endmost rafter, about an inch from the end of the insulation near the roller tube. Make a mark where the plumb line meets the floor surface. Keeping the plumb line located over the end rafter, slide it back toward the RV wall to a point about an inch from the end of the insulation. Make a 2nd mark where the plumb line meets the floor surface.
4. Go to the other front corner and repeat step (3) to make two more mark on the floor near that end.
5. Using a chalk line, connect the marks on the floor to make three lines, one for the front wall and two for the side walls of the room.
6. Locate the bottom track pieces that will form the front corners of your room. These will have left and right 45° angle cuts so that the corners will fit together. (Left and right are determined by standing with your back to the RV.) When installing the bottom tracks, caulk the bottom or the outer perimeter so that it will seal the room better with clear silicone.

PROCEDURE

- Take the left side bottom track and position it along the room's left side chalk mark. The outside of the track should lie against the chalk mark. See Figure (FIG. 13).



i Use square for accuracy of corners.

- Using (4) #8 x 3/4" wood screws, secure the track to the floor in the holes provided in the track. (If you are using masonry fasteners you will have to locate your securement points on the concrete, prepare the threaded portion in the brick, mortar or concrete floor.). See Figure (FIG. 14).
- Take the left front bottom track and position it so that it mates with the left side bottom track that forms the front left corner of your AlumaRoom. The outside of the track should lay right against the chalk mark at the front of the room.
- Repeat step (8) for opposite side. See Figure (FIG. 14)



- From the outside edge of the front left corner of the bottom track that you have just fastened down measure along the chalk line that represents the front of the room, the overall dimension of the room you have selected. Mark this length across the chalk line.

- Using the Table 2 below select the correct bottom track for the next piece to be fastened to the floor along the chalk mark that represents the front wall of the room.

Table 2:

		ROOM SIZE WITH APPROPRIATE LENGTH OF BOTTOM TRACK			
		10'-11"	14'-8"	18'-5"	22'-2"
TRACK SECTION DESCRIPTION	LEFT 45° ANGLE	90-1/2"	90-1/2"	90-1/2"	90-1/2"
	STRAIGHT SECTION	NOT USED	NOT USED	40"	85"
	RIGHT 45° ANGLE	40-1/2"	85-1/2"	90-1/2"	90-1/2"

i DO NOT CUT THE 45° ANGLE END OFF OF THIS TRACK.

- Locate the section of bottom track that has two 90° angle edges on the ends. Check Table 1 "STRAIGHT SECTION" row to see if it is used with your room. If it is NOT used in your room set it aside and skip to step (18).
- If it is used for your room cut it to either 40" or 85" according to the "STRAIGHT SECTION" row in Table 1 above. Do not cut this piece with a 45° angle.
- If you have cut this piece, position it so that it mates against the front left bottom track that you have already fastened to the floor. Make sure that the slide tracks and the snap tracks align perfectly with the same tracks on the left front bottom track that is already secured and that the front edge of the bottom track is up against the chalk line for the front of the room.
- Repeat step (8).
- Take the right front bottom track and position it so that it mates with the piece that you have just secured to the floor. The outside of the track should lay right against the chalk mark at the front of the room.
- Check the length of this bottom track. Depending on the length of your room this bottom track will either be just right or too long to make up the entire front bottom track of your room. Check the mark that you made on the floor that intersects the chalk line representing the front of the room.

PROCEDURE

19. Review Table 2 above in Step (12). The "RIGHT 45° ANGLE" row indicates the proper length of this section of bottom track depending on the length of the room. Cut the right front bottom track to the dimension shown in the "RIGHT 45° ANGLE" row, from the 90° angle end of the track.



DO NOT CUT THE 45° ANGLE END OFF OF THIS TRACK.

20. Once you have cut the right front bottom track to size (if applicable), re-position it so that it mates with the section that you last fastened to the floor. Make sure that the slide tracks and the snap tracks align perfectly with the same tracks on the bottom track section that is already secured and that the front edge of the bottom track is up against the chalk line for the front of the room.
21. Repeat step (8).
22. Make sure that the right side bottom track forms the 90° angle of the right front corner of the room.
23. Repeat Step (8).
24. Take the right side bottom track and position it so that it mates the 45° angle of the right front bottom track and rests along the room's right side chalk mark.
25. Repeat step (8).
26. Using clear silicone caulk, fill the cracks at the 90° corners where the tracks meet. Make sure that you do not extend the caulk into the tracks away from the corners. See Figure (FIG. 15)



4. Locate the foot of each post such that the clamp that you just tightened is pointing to the outside and the long sides of the foot are resting against the back of the bottom track.
5. Center pole to center of snap track. The distance must be equal between the RV wall to the pole at the top and bottom. Adjust the foot's position toward the RV if needed to maintain this distance.
6. Push up to provide additional tension on the post and then tighten the clamp so that the post stays in place. See Figure (FIG. 16).
7. Secure each post in place using (2) #8 x 3/4" wood screws and washers. (If you are using masonry fasteners (not included) you will have to locate your anchor points on the concrete, prepare the threaded portion in the brick, mortar or concrete floor and then secure the posts with 2 appropriate fasteners for each post).

F. Installing the tubular corner posts:

-  1. Locate the two metal tubular corner posts out of box 3.
2. Take them to the two outer most rafters of the room.
3. Extend them in the vertical position until the pin of each post engages the hole in the rafter adjacent to the RV wall. The foot of each post should rest on the floor. See Figure (FIG. 16) and (FIG. 17).

PROCEDURE

G. AlumaRoom wall, setup:

1. For ease of installation raise the awning roller tube a few inches on both ends.
2. As you select each wall panel:
 - a. Remove protective film.
 - b. The fabric is at the bottom.
 - c. The window is positioned on the inside.

i Do **NOT** flip any panel end for end under the awning fabric. This action may tear the awning if you happen to accidentally brush the fabric with one of the panel corners.

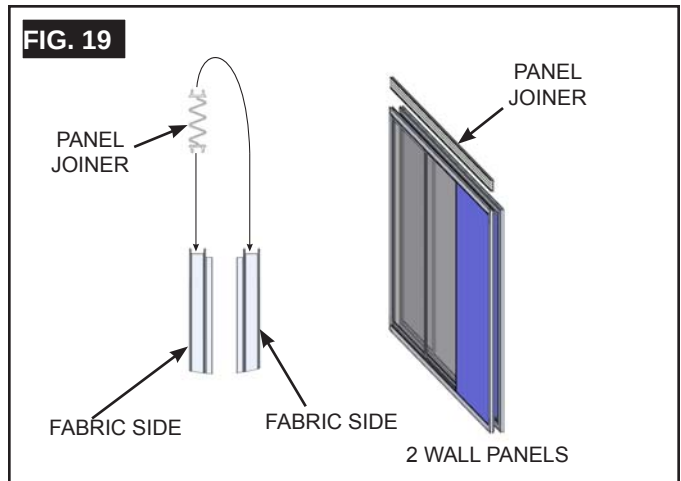
3. Take a wall panel joiner and position it along side of a wall panel. Make sure that the panel joiner extends the full height of the panel centered.

i Double check that the panel joiner is centered such that it is equal distance from both ends of the panel.

4. Starting at one end, snap the panel joiner in by inserting one side of the snap section into the track on the wall panel side and then snapping the other side into place. Work your way up the panel until the entire panel joiner has been snapped in place. See Figure (FIG. 18).



5. Position second wall panel adjacent to the first wall panel with in 1"-2". Both wall panels should have the fabric positioned as shown, with the windows on the inside. See Figure (FIG. 19).

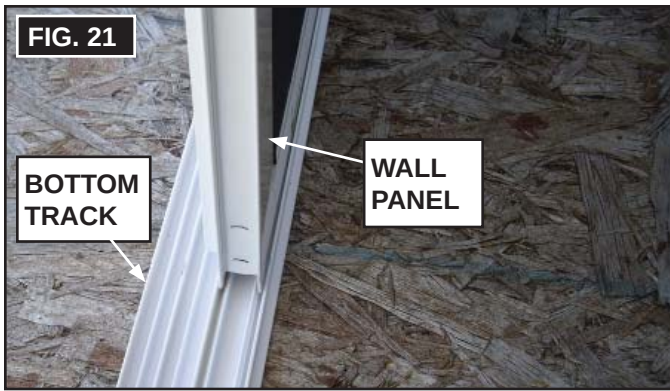


6. Starting at the top or bottom snap the loose side of one of the panel joiners already snapped into place on the first panel into the second panel. Work your way along the snap channel of the wall panel until the entire panel joiner is snapped in place. See Figure (FIG. 20)



7. Bring both of the wall panels to the front left corner of the room where the bottom tracks are secured to the floor.
8. Make sure the windows for both wall panels are toward the inside of the room while forming the 90° corner of the room.
9. Carefully lift the first front wall panel into place in the left front bottom track and then the other wall panel into the left side bottom track. (Left and right are determined by standing with your back to the RV.) Make sure that the AlumaRoom Valance is on the outside of the front wall panel.
10. Center the front wall panel over the snap tracks at the front of the bottom track about 1 3/4" in from the corner. Press down firmly on the wall panel until it snaps in place. Be sure you feel the snap action while pressing firmly down on the panel. See Figure (FIG. 21).

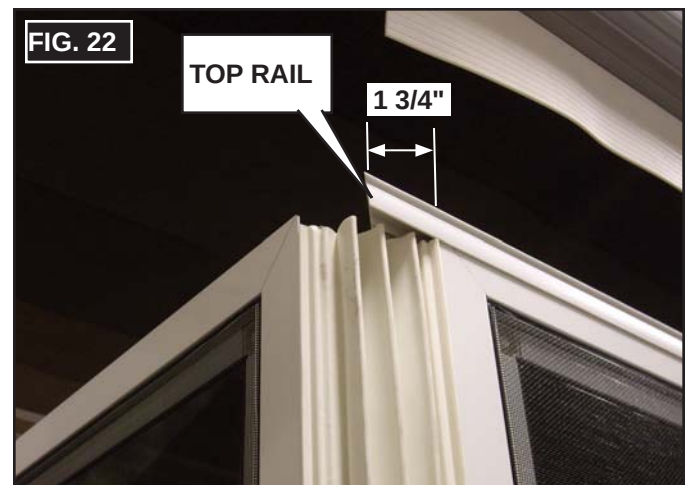
PROCEDURE



11. Work your way over to the side wall panel and center it on the snap tracks at the front of the side bottom track about 1 3/4" in from the outside end of the corner. Press down firmly on the panel until it snaps in place. Be sure you feel the snap action while pressing firmly down on the panel.
12. Check outside of the room at the corner and straighten any of the pleats in the panel joiner. Check again to make sure that the panel joiner is snapped in place on both sides.
13. Locate another wall panel section. This wall panel may be used as a door or another section of the wall depending on the size of the room.

Standard Room Sizes	10'11"	14'8"	18'5"	22'2"
No. of Front Wall Panels	2	3	4	5
Doors on Front Wall	1	1	1	1

14. (If you have a 14' 8" or 22'2" room, the door will not be centered so you need to decide where you want the door.) For the 10'11" and 18'5" rooms the door is located right in the center. You are able to change this around if you wish but a door cannot be located on the ends of the front wall without an additional door post being ordered.
15. If your room is 10'11" this second wall panel will be your door. Position the wall panel over the bottom track, centered on the inside slide tracks. The door will slide easily back and forth on these tracks.
16. Locate the top rail section that will go along the front panels on the left side. It has a 45° cut end.
17. Place this section over the first stationary panel at the front left corner of the room with the panel 1 3/4" in from the end of the outside corner. See Figure (FIG. 22).



18. Center the barbed snap tracks of the top rail over the wall panel and press down firmly until you feel the snap action of the rail barbs into the wall panel.
19. Slide the door along the track to support the top front left corner rail and make sure that the door fits into the inside slide track of the top rail. Slide the door all the way back to the square end of the top rail.
20. Locate the left side top rail and position it over the front left side wall panel at the corner. Mate the 45° angle cut of this top rail with the 45° angle cut of the left front top rail. Center the barbed snap tracks of the top rail over the left side corner wall panel and press down firmly until you feel the snap action of the rail barbs into the wall panel.
21. Locate the roll of white duct tape and cut a strip 4"-6" long off of the roll. Carefully place this tape on the top of the intersection of the two top rail sections at the left front corner of the room. See Figure (FIG. 23).



22. Locate another wall panel.
23. Locate another panel joiner.
24. Repeat steps (3) through (6) of this section.

PROCEDURE

25. Bring both of the wall panels to the front right corner of the room.
26. Repeat step (8).
27. Carefully lift the first front wall panel into place in the right front bottom track and then the other wall panel into the right side bottom track. Make sure that the AlumaRoom valance is on the outside of the front wall panel.
28. Repeat steps (10) through (12), except substitute right for left.
29. Locate another wall panel.
30. Locate another panel joiner.
31. Repeat steps (3) and (4) on the open side of the front right side wall panel that you have already snapped into place
32. Position the new wall panel in the right side bottom track adjacent to the front right side wall panel with the new panel joiner snapped in place.
33. Repeat step (6) with the panel joiner snapped into the front right side panel to connect it to the new panel.
34. Center the wall panel on the snap tracks of the side bottom track about 2" from the front side wall panel. Do not snap the wall panel into the bottom track at this time, let it rest there.
35. Locate one of the wall seal flanges. Position the wall seal flange along the open side of the wall panel from step 34. Snap the flange in place on the wall panel just like you snapped the panel joiner in place on the other side of the panel. See Figure (FIG. 23)



(Note: the Wall sealing flange does **NOT** have to be flat against the RV.)

FIG. 25



38. From inside of the room, work your way along the right side wall and even out the panel joiners and straighten the pleats.
39. Locate the right side top rail and position it over the right side wall panels. Mate the 45° angle cut of this top rail with the 45° angle cut of the right front top rail. Center the barbed snap tracks of this top rail over the wall panels and press down firmly until you feel the snap action of the rail barbs into the panel.
40. Repeat step (21) except at the right front corner of the room.
41. If you have a 10'11" room the front and right side walls are complete. Skip to step (45).
42. If you have larger rooms you need to add front wall panels and panel joiners as previously instructed until the front wall has all of its wall panels in place. Refer to step (13).
43. Once all of the front wall panels are in place, you may need to add an additional front wall top rail section. The following table shows how many top rails are needed for each size room. Cut the 45° top track if the straight cut end hangs over the door way.

Top Rail Section Description (Below):	Room Size With Appropriate Length of Top Rail			
	10'11"	14'8"	18'5"	22'2"
Left Front 45° Angle	90 1/2"	90 1/2"	90 1/2"	90 1/2"
Straight Front Section	Not Used	Not Used	40"	85"
Right Front 45° and Angle	40 1/2"	85 1/2"	90 1/2"	90 1/2"

44. If applicable, snap the additional top rail into place.
45. At each seam of the top rail sections apply a 4" piece of White Duct tape with an even amount on both sides of the seam, on top of the rail.

FIG. 24



36. Spread the flanges apart and place each flange leg on either side of the tubular corner post. Allow the flange legs to rest against the RV wall.
37. Push the wall panel toward the RV until the flange legs spread out and seal the back corner of the room against the RV. Press down firmly on the panel until it snaps in place into the bottom track.

PROCEDURE

46. Locate the last panel. This is the second door to your room. Position this panel inside the slide track of the left side bottom track and within the slide track of the left side top rail. Slide the door all the way forward so that the stationary door posts and the left side wall seal flange may be installed.
47. Locate the first door post.
48. Locate the second wall seal flange.
49. Snap the wall seal flange into the snap track on the side of the door post. See Figure (FIG. 24).
50. Position the door post on the snap track side of the left side bottom track so that both legs of the wall seal flange rest on either side of the tubular corner post and against the RV.
51. While one person holds the door post and applies pressure on the Wall Seal Flange against the wall of the RV secure the post to the top rail and floor as follows:
 - a. The top horizontal portion of the door post snaps into the top rail in the same manner as the wall panels.
 - b. The bottom of the door post has a bracket. Screw the bracket through the plastic bottom track using (2) #8 X 1" self drilling screws. Make sure door posts are perpendicular to the ground, and the bracket is centered on the bottom track's snap-track as shown in Figure (FIG. 26).

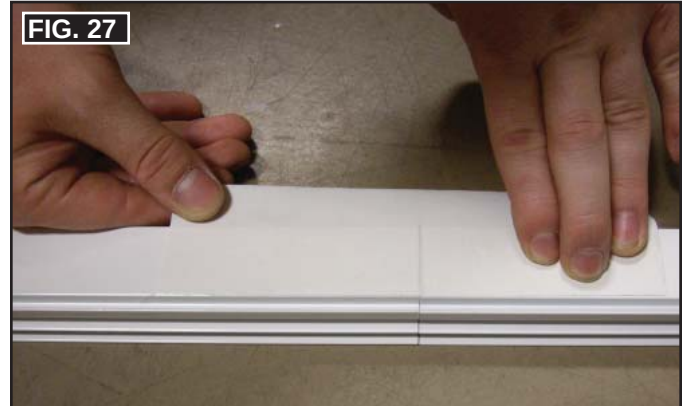
FIG. 26



52. The second door post is located by butting the top horizontal portion against the first door post, and snaps into the top rail. The side of the second door post also snaps into the panel joiner located on the panel adjacent to it. Fasten the bottom of this door post in the same manner as the first. This will give a door frame opening of approximately 40 1/4 inches from the first door post to the second door post.
53. Snap the rest of the left side top rail in place along the left side wall.

54. Place a 4" piece of white duct tape on the inside and outside of the door post frame, where the two door posts meet at the top. This will add strength and provide an aesthetic look at the top of the door opening. See Figure (FIG. 27).

FIG. 27



H. Installation of upper skirts:

1. Locate the Dual Lock™ in box 5.



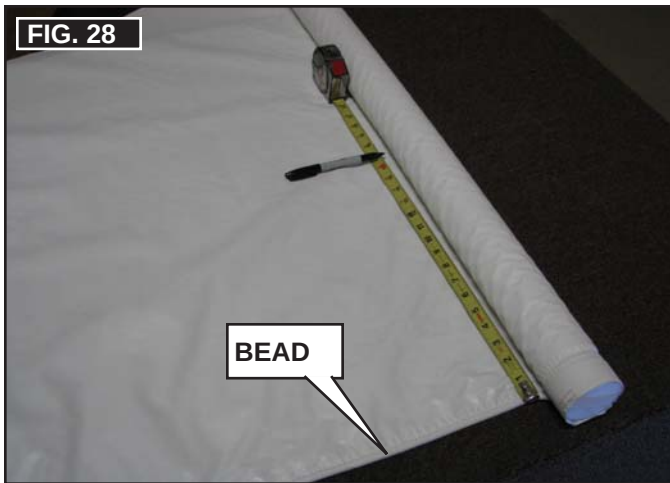
Dual Lock™ and duct tape - The adhesive qualities of the fasteners and tape are strictly dependent on outside temperature, humidity, and set time, at the proper conditions. Since the seller has no control over the installers' application method we can only state the requirements for optimal adhesion. All sections of Dual Lock™ **MUST** be installed with equal force applied from the backing side as well as the applied side at temperatures above 70°F with relative humidity levels below 55%. The set time for the adhesive is 2 hours.

Dirt and grime will affect the adhesive characteristics and life of the duct tape on the corners.

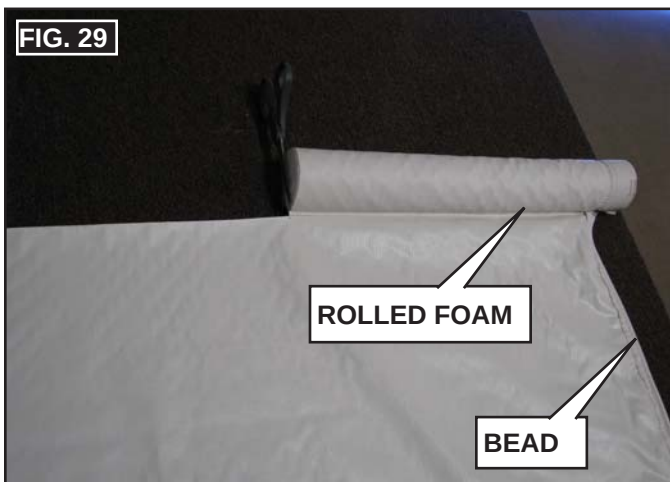
Lack of adhesion is **NOT** a Warranted Item.

2. Locate the two upper side skirts in box 5.
3. At the back of the room, on one of the sidewalls, against the RV where the vertical post for the room has been installed, measure the distance from the underneath side of the awning fabric right next to the awning channel down to the wall seal flange. Write the measurement down.
4. Lay out one of the upper side skirts. The bottom of each skirt will be the edge that has a bead sewn into it. Measure up from the bead along the sleeved foam end of one of the skirts, the distance you have written down in step (3) and make a mark on the seam next to the foam. See Figure (FIG. 28).

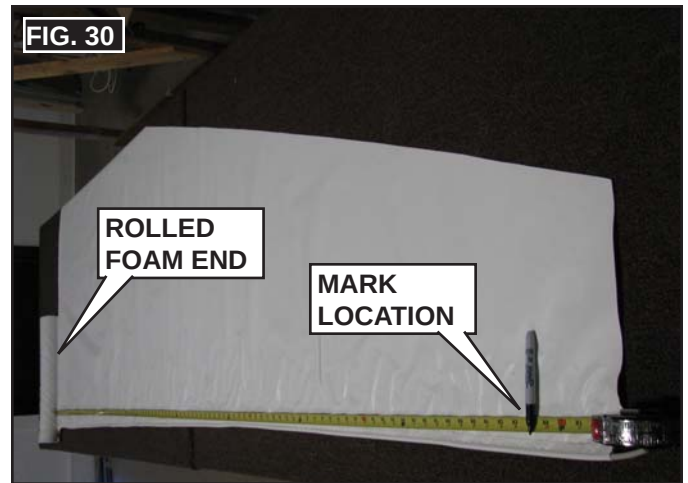
PROCEDURE



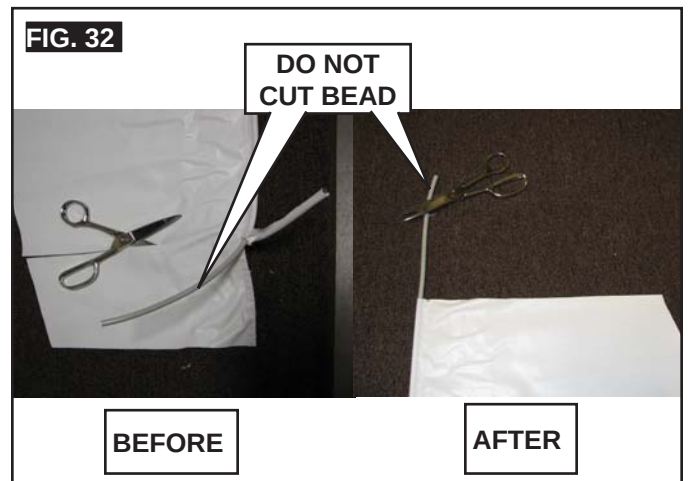
5. Take the other upper side skirt and repeat the same process using the measurements you obtained at the other end of the room.
6. Cut the fabric wrapped foamed section off of each upper skirt at the marks you have made on the fabric. See Figure (FIG. 29).



7. The upper side skirts have now been cut for specific ends of the room.
8. Measure the distance between the RV wall and the front of the top rail at the top of one side wall. Write this dimension down.
9. Using the upper side skirt for the room end you have just measured, measure and mark the dimension you wrote in step (8) from the inside of the sleeved foam toward the other end of the skirt along the beaded edge. See Figure (FIG. 30) and (FIG. 31).



10. Cut in from the end of the skirt along the bead until you reach the mark you made on the bead. See Figure (FIG. 32).



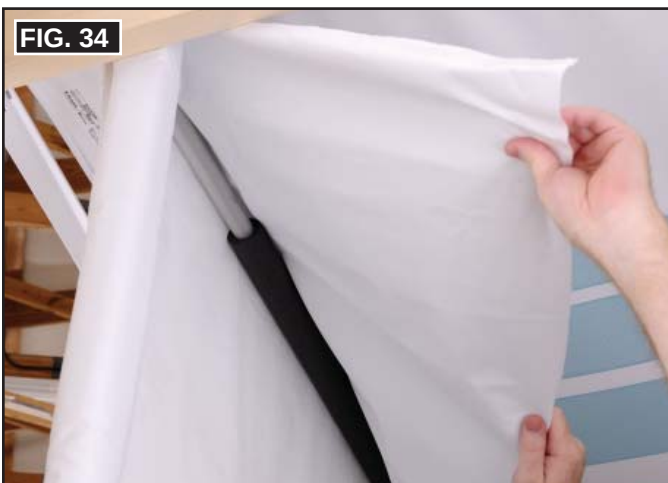
11. Repeat this process for the other upper side skirt using the same steps above for the other end of the room.

PROCEDURE

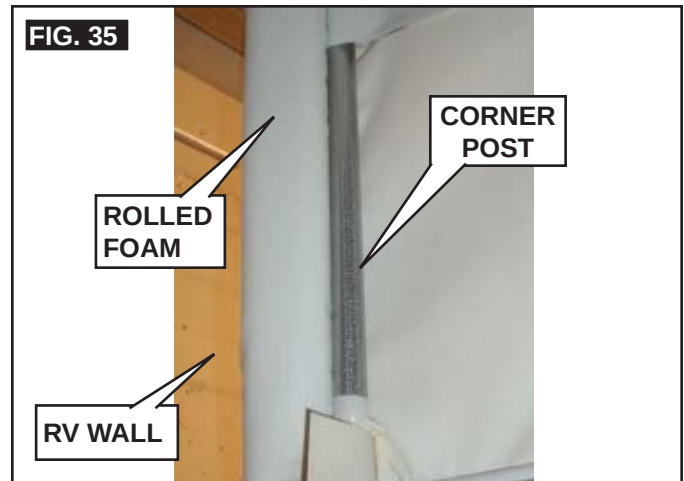
12. Starting with sleeved foam end of one of the upper side skirts, at its intended sidewall, thread the bead edge into the top rail until you have pulled it all the way to the RV wall.
13. Thread the bead into the top rail on the front wall of the room. See Figure (FIG. 33)



14. Repeat steps (12) and (13) with the other upper side skirt.
15. Take the top loose end of the upper side skirt and pass the material between the rafter and the awning fabric. Pull it over the rafter the entire length of upper side skirt. Work the wrinkles in the fabric out as you work your way back to the RV wall. See Figure (FIG. 34).



16. At the RV wall push the sleeved foam between the vertical corner post and the RV wall. Rolled foam should be on the inside of the room. See Figure (FIG. 35).

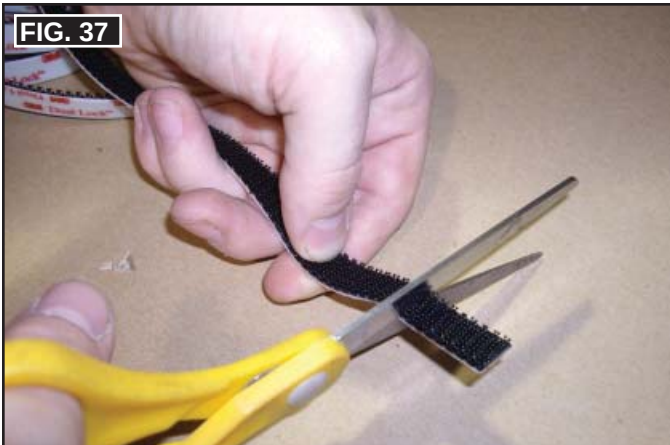


17. Repeat step (15) on the other upper side skirt.
18. If you raised the awning roller tube in section (G) step (1) lower it down to the top rail of the wall. Then raise it to the nearest lock position of the awning arm.
19. The fabric you have pulled over each end rafter must be trimmed to 6" below the rafter with a pair of scissors. See Figure (FIG. 36).

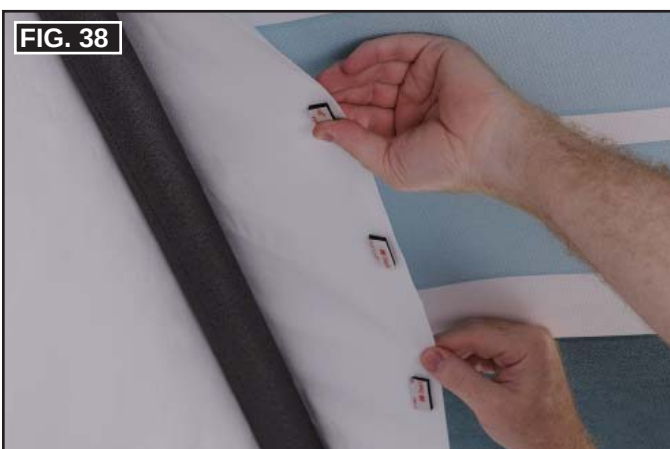


20. Cut (60) 1" pieces of Dual Lock™. This is important; follow the instructions exactly. You will need all of the remainder of the Dual Lock™ for later use. See Figure (FIG. 37).

PROCEDURE



21. For the best results and lasting adherence of the adhesive on the Dual Lock™ the ambient temperature should be 70°F or above. (The warmer the better.)
22. Take the (60) 1" pieces of Dual Lock™ and snap them together in pairs. Do not peel the backing off of the adhesive.
 -  There will be 15 pairs of Dual Lock™ on each upper skirt.
23. Apply the first of Dual Lock™ pair 1/2" from the edge of the fabric you have cut to 6" below the rafter at the roller tube end. Peel off one side of the adhesive backer and press firmly in place. Make sure that you apply firm pressure from both sides of the fabric where you are applying the "Dual Lock" to assure the adhesive is solidly bonded to the surface.
24. Continue to apply pairs of Dual Lock™ along the fabric edge every 6". See Figure (FIG. 38).



25. Starting at the roller tube end. Remove the Adhesive Backer from the first Dual Lock™ pair and while holding the fabric taut firmly press it against the fabric on the outside of the rafter. You will need an assistant to push against the other side of the fabric from outside the room. Continue for each Dual Lock™ pair. See Figure (FIG. 39).



26. Repeat steps (23) through (25) on the other upper side skirt. See Figure (FIG. 40).



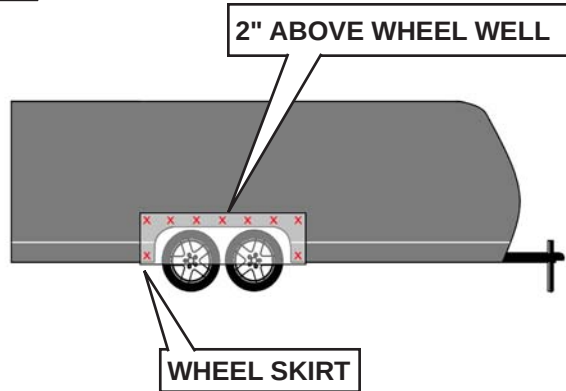
I. RV wheel skirt installation:

-  1. The wheel skirt and main skirt are used to seal off the area beneath the RV fender and wall. Locate the wheel skirt in box 5. The wheel skirt measures approximately 72" long by 24" high. Locate the main skirt in box 5. This skirt should measure approximately the same length as your room, i.e., either 10'11", 14'8", 18'5", or 22'2".
2. Install the wheel skirt first. Two persons will be needed for this operation. Center the wheel skirt over the RV's wheel well, and position the top of the wheel skirt about 2 inches above the top of the wheel well. Mark the corner positions. See Figure (FIG. 41).

-  For the best results and lasting adherence of the adhesive on the Dual Lock™, the ambient temperature should be 70°F or above. (The warmer the better.)

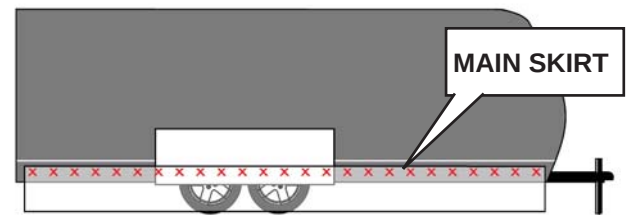
PROCEDURE

FIG. 41



3. Cut (14) 1" pieces of Dual Lock™ and snap them together to make (7) pairs. Apply the first Dual Lock™ pair to the left top corner of the wheel skirt, on the folded seam about ¼" from the top and ¼" from the end (peel backing from one side of the pair only). Apply firm pressure to assure solid bonding to the fabric skirt. Continue across the top edge of the skirt and apply the (6) remaining Dual Lock™ pairs evenly spaced approximately every 12".
 4. Position the skirt on the RV at the marks made in step (2). Starting at one end, peel the Dual Lock™ backing off one at a time and adhere them to the RV wall from left to right. Maintain tautness of the fabric as you move along.
 5. Depending on shape of the RV wheel well, you may also want to install additional pieces of Dual Lock™ on the ends of the wheel skirt. You may or may not need to do this, as the chassis skirt will cover up the lower portion of the wheel skirt. Use your judgment as to whether these are necessary.
2. Position the left end of the main skirt at the outside of the left wall's bottom track. When stretched out, the other end of the skirt should line up approximately with the outside of the right wall's bottom track.
 3. Determine the how you will fasten down the bottom of the skirt, and allow enough material for that purpose. Then mark on the RV wall the height of the top of the main skirt. Make a series of marks all along the length of the room on the RV wall. See Figure (FIG. 42)

FIG. 42



J. Main skirt installation:

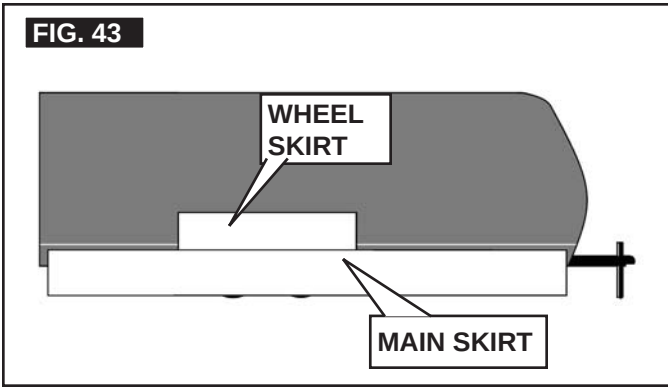


The bottom of the main skirt is the edge with the row of grommets. These grommets are provided for you in order to fasten the bottom of the skirt down. Due to the wide variety of applications, these instructions can **NOT** specify exactly how to fasten the bottom down, but some suggestions will be given for common applications at the end of this section.

1. Beginning at the left end of the room, stretch out the main skirt along the inside of the room. At least two persons will be required to position the skirt on the RV wall. The skirt will need to be tucked behind the flexible wall seal that was installed in section "G. AlumaRoom wall, setup:" on page (13).
4. Lay out the main skirt with the back side up. Cut 2 - 1" pieces of Dual Lock™ and snap them together in a pair. Peel the backing off one side and apply the Dual Lock™ to the left top corner of the wheel skirt, on the folded seam about ¼" from the top and ¼" from the end. Cut and apply another 1" pair of Dual Lock™, measure 12" and apply the Dual Lock™ ¼", from the top of the skirt. Repeat this across the remainder of the fabric edge, until reaching the end every 12" apart. Place the final piece ¼" from the end of the fabric.
5. Position the skirt on the RV at the marks made in step (3). Starting at one end, peel the Dual Lock™ backing off one at a time and adhere them to the RV wall from left to right. Maintain tautness of the fabric as you move along.
6. Depending on how much RV wall extends below the top of the main skirt, you may also want to install additional pieces of Dual Lock™ on the ends of the wheel skirt. Use your judgment. See Figure (FIG. 43).

PROCEDURE

FIG. 43

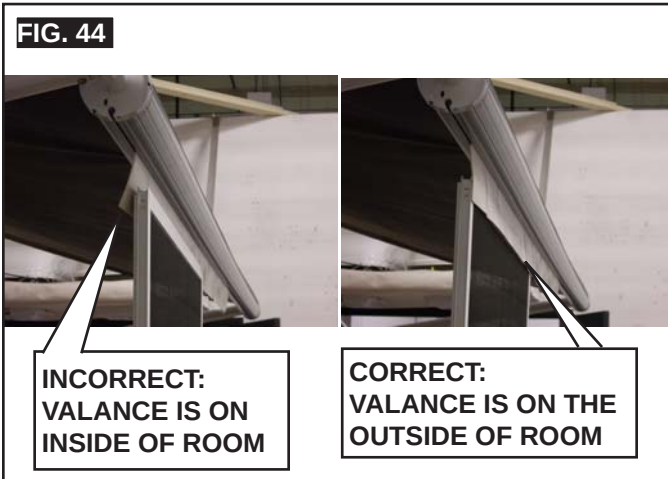


7. Suggestions for fastening the bottom of the chassis skirt:
 - a. If the skirt rests on the ground behind a deck or otherwise, tent stakes may be used in the skirt's grommets.
 - b. If the skirt rests on a wooden deck, wood screws could be used along with washers in the skirt's grommets.
 - c. If the skirt rests on a concrete surface, weights could be laid along the bottom of the skirt to hold it in place.

K. Securing the AlumaRoom front wall to the valance:

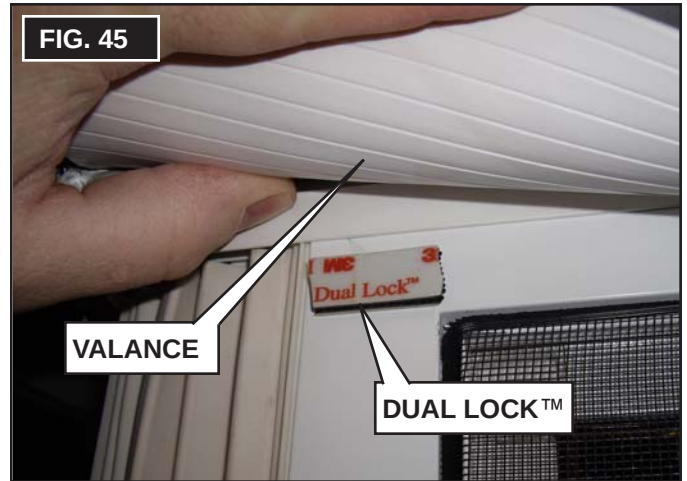
1. Make sure that the AlumaRoom valance is on the outside of the front wall of the room. See Figure (FIG. 44).

FIG. 44



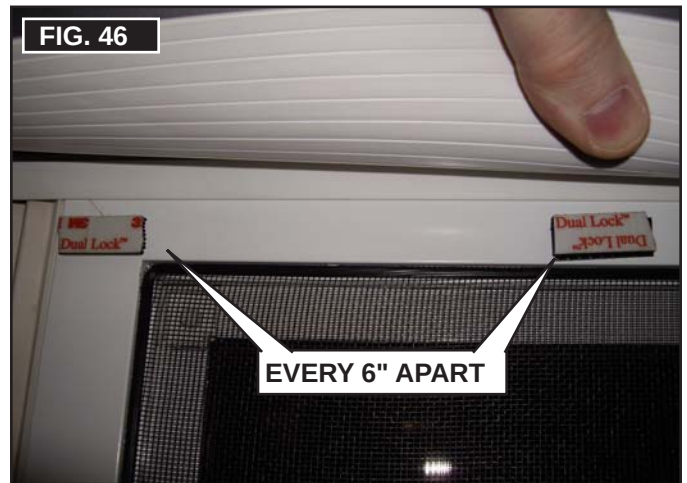
2. For the best results and lasting adherence of the adhesive on the Dual Lock™ the ambient temperature should be 70°F or above. (The warmer the better.)
3. Cut 2 pieces of 1" long Dual Lock™. Press them together in pairs. The amount of Dual Lock™ is precisely measured as directed in these instructions. You will need all of it to secure the room properly. See Figure (FIG. 45).

FIG. 45



4. Starting on the outside of the room at the left front corner of the front wall, peel the tape off one side of the 1" pair of Dual Lock™ and apply the Dual Lock™ along the top frame member of the front wall just below the top rail. Press firmly.
5. Continue applying Dual Lock™ pairs along the front wall every 6". See Figure (FIG. 46).

FIG. 46



6. Return to the left front corner of the room. Carefully lift the valance and peel off the tape on the 1st pair of Dual Lock™.
7. Firmly press valance to adhere the Dual Lock™.
8. Do not attempt to separate the Dual Lock™ for at least 2 hours to allow the adhesive to set up and the Dual Lock™ to fully engage. This will provide the best adhesion of the Dual Lock™, to prevent peel off in cool weather.

PROCEDURE

9. Not required but will add additional strength and stability – The installer may choose to add four (4) #8 x 1" self drilling screws (not provided) to more permanently secure the front valance to the front wall of your new AlumaRoom. Two (2) screws should be added to the outside corners of the front wall 2" down right in the center of the vertical panel member. The other two (2) screws should be added to the vertical wall panel member bordering the doorway, 2" down right in the center of the vertical panel member.

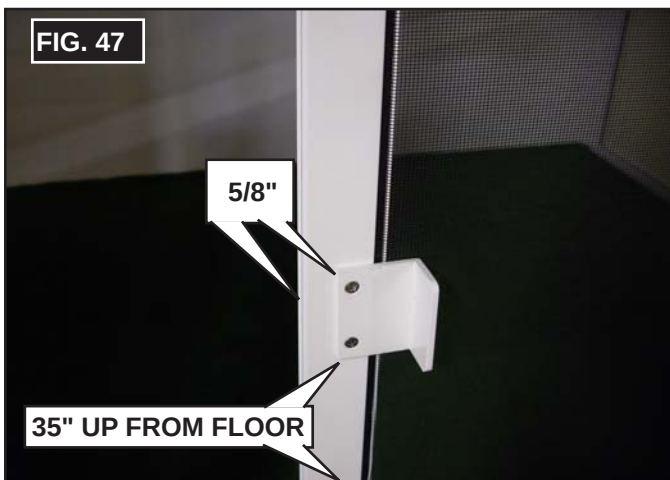


THIS ADDITION WILL DEDICATE THESE PANELS FOR THESE LOCATIONS, EVERY TIME YOU SET UP YOUR AlumaRoom IN THE SPRING.

L. Installation of door handles:

1. When opening the door from the inside of the room, no additional door handle is required, since the frame of the door provides a handhold. To open the door from the outside, a door handle is needed.
2. Begin with the door you previously installed in the side wall. From the outside of the room, determine which direction you will be sliding the door to open it; this will depend on whether you located the door toward the RV or toward the front of the room. The door handle will be located on the door's leading frame edge as you slide it shut.
3. Locate a door handle and (2) #6 x 1/2" flat head self-tapping screws from box 5. Measure approximately 35" up from the floor and put a mark on the door's leading edge frame. See Figure (FIG. 47).
4. Align the bottom of the door handle to the mark, overlapping the door frame 5/8 inch. (See Figure (FIG. 47)) Make sure the door handle is positioned squarely and mark the two hole positions on the door frame. Drill one of the holes through only the outer wall of the door frame, using a 7/64" drill bit. Install the door handle with one of the self-tapping screws, then drill the 2nd hole and install the 2nd screw. Drilling the holes one at a time in this manner will prevent screw misalignment in case the first hole location was not right on the mark. Move to the outside of the door you installed in the front wall. Determine which direction you prefer this door to open and identify the leading edge as defined above in step (2).
5. Repeat steps (3) and (4) using the 2nd door handle to install it on the front door.

**CONGRATULATIONS!!!
YOUR NEW DOMETIC
ALUMAROOM IS INSTALLED.**



GENERAL CARE AND USE

A. AlumaRoom maintenance.

1. Monthly check to make sure that the slide path for each window is clear of foreign material. Always operate the window using both hands by applying force from each side evenly to push the window up or down. Do not lubricate the window. Each window holds its position by friction resistance. Lubrication will reduce friction and cause the window to not hold position.
2. Clean the window and fabric material only with a mild soap and water solution. Do not use ammonia or any strong chemical agent to clean any of the room surfaces.
3. Weekly clean the door slide tracks to prevent trapping foreign objects under the door and obstructing the slide path.
4. Monthly check to make sure that the slide path for each window is clear of foreign material. Always operate the window using both hands by applying force from each side evenly to push the window up or down. Do not lubricate the window. Each window holds its position by friction resistance. Lubrication will reduce friction and cause the window to not hold position.
5. Weekly or after rainy or windy weather check the contact of the locked position of the adhesive backed fasteners installed on the front valance and the upper side skirts.
6. Do NOT hang heavy objects from the rafters. The rafters are there to support the awning and help the awning shed water. They are not intended to bear weight from hanging plants, swings, or other non authorized accessories.