



ATV Cover

Instruction Manual

for 12' x 10' x 6' covers



Our unique assembly process quickly transforms the individual pieces into a finished structure that will give you a lifetime of service. Great care has been taken to ensure complete satisfaction with your purchase. In the unlikely event that there are any missing or damaged parts, or if you simply need technical assistance, please call our Toll Free Hotline at 1-800-900-7222 and your questions will be addressed promptly. Thank you for choosing the VersaTube Building System.

ZINST-ATV

REV 08/2017

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Safety, Hazard, and Maintenance Instructions



Read the following safety warnings and all instructions in their entirety prior to installation. If you have questions or are missing any parts, contact Mid-South Metal Products, Inc. (DBA, VersaTube Building systems) customer service at 1-800-900-7222 before proceeding.



VersaTube Building Systems designs and manufactures framing products to meet minimum load requirements in most areas. It is the buyer's sole responsibility to determine the specific building code requirements applicable in the city and/or county of the state in which this product is being erected, and to ensure the product is installed with sufficient materials and in such a manner as to comply with the codes.



Metal parts may get hot when exposed to high heat or direct sunlight. Avoid contact with skin and wear protective gloves and clothing to prevent the possibility of burns.



Standing or walking on the structure could cause damage to the sheet metal panels. If you must walk on the roof, step within 1' of a major frame member. The structure must be properly braced to support human weight. Collapse of the structure may cause serious injury do to weight of components.



Avoid installation on windy days as wind may create hazards during the installation process. Wind may blow material or cause partially installed components to collapse prior to being secured or fully installed. The weight of the components or structure may cause serious injury if it should collapse.



Metal conducts electricity and electrical shock hazards exist since the structure is made of metal. During installation or storage, keep the structure and all components away from electrical sources. Make sure that your selected location is away from power lines, underground cables, and any other source of electrical power. Serious injury or even death may occur if contact is made with electrical current.



In the event that your structure is fully enclosed, be sure to provide proper and adequate ventilation and egress and ingress. Hazardous, poisonous or noxious substances should not be stored in the structures absent proper ventilation. Follow all warnings and instructions of the manufacturer of any substance stored in your building. Also, proper ingress and egress should be provided to prevent persons or children from being trapped inside the structure.



If metal panels are selected to cover all or a portion of your structure, be careful of the sharp edges which may cause cuts or lacerations. Wear protective work gloves and suitable clothing for protection and always take care when handling metal parts.



The VersaTube Building System is an all domestically produced galvanized tubular steel framing system. Maintenance is required twice annually on particular areas of the framing system i.e. "weld seams" and "cut or raw ends". This maintenance is performed by applying any "Zinc coated" silver spray paint found at local mass merchant or paint store to these areas twice annually or every six (6) months.

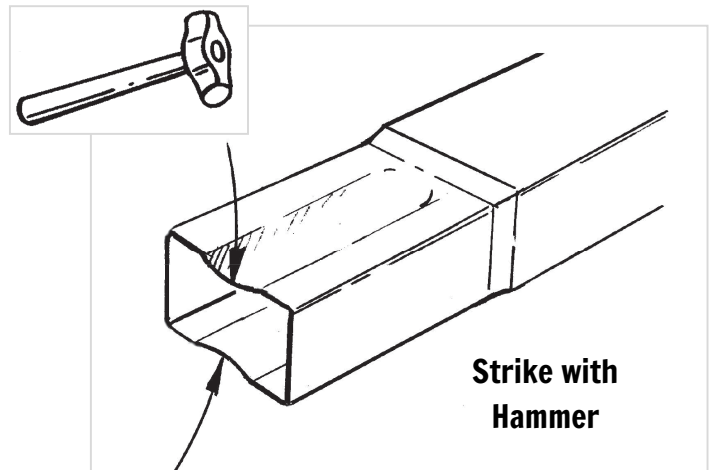


All sheet metal cladding applied to the VersaTube frame are attached with self drilling screws with a rubber washer. These screws produce small shavings when drilling through the cladding. If the shavings are allowed to sit on the sheet metal for an extended period, rust spots will form and promote deterioration. Metal shavings must be brushed after installation of the sheet metal. Claims reported against rust spots will not be honored by VersaTube Building Systems.

ATTENTION:

IT IS IMPORTANT THAT YOU READ THE FOLLOWING NOTE BEFORE STARTING THE ASSEMBLY OF YOUR SHELTER

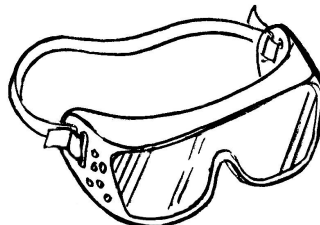
NOTE: If during the installation process you have difficulty fitting frame components together, use an adjustable wrench to open the end of the receiving tube as shown below. Close wrench down around bent portion of tube and bend wall outward. It may also be helpful to hit the center of the swage at the end of the tube to create more of a lead.



What you'll need



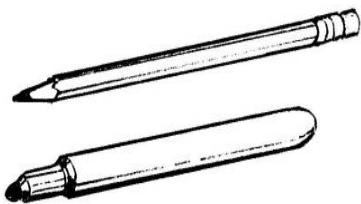
Work Gloves



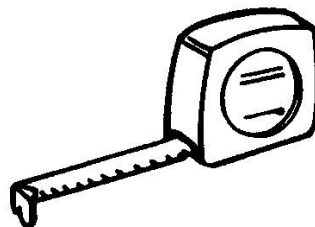
Safety Goggles
Or glasses



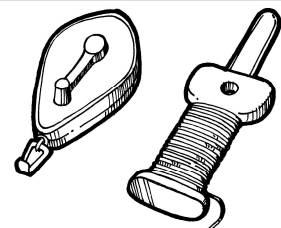
2 Step Ladders



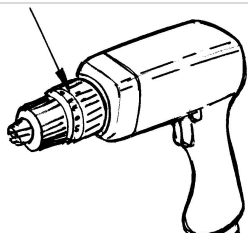
Pencil/Marker & Felt Marker



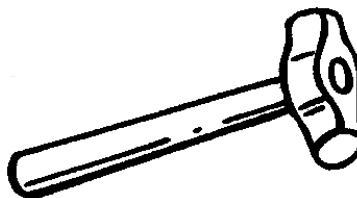
Tape Measure



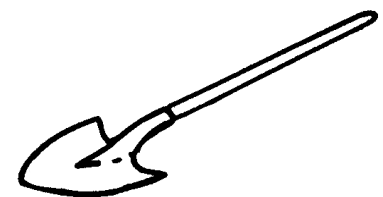
Chalk Line & Mason Line
or Nylon String



Cordless (14 or 18 volt) or Elec-
tric Screw Gun with 5/16"
Socket Drive



Hammer












Shovel or Post Hole Digger

Items you may need

Hammer Drill, Masonry Drill Bit 1/2" x 8", vise grip or other quick clamp (to assist to plumb frame or clamp sheet metal), adjustable wrench and open ended wrench, 3/4" & 1/2"

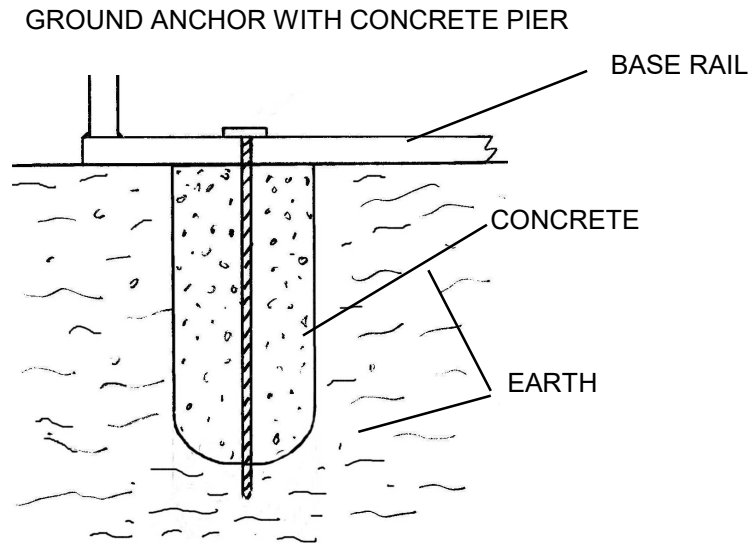
PARTS LIST

	Part Number	Description	Quantity
	74-4950	Starter Base Rail	2
	74-7050	Extension Base Rail	2
	74-5006	Side Post	6
	74-2000	Rafter w/ (2) Swages	6
	74-6000	Peak	3
	ANC-24	30" Rebar Anchor	6
	71-9999	70pc. Bag of Framing Screws	1
	9901-VTW	Vinyl Edge Trim	60 ft.
		10' Sheet Metal Panel	5

Site Preparation for ATV Covers

The VersaTube shelter frame is designed to be placed on a foundation that is level side-to-side and sloped about 1" front-to-back or back-to-front. **Concrete Piers** are suggested for this structure.

PIERS: Mark the locations of the rails and the anchor holes on the ground. Move the base rails to one side and dig holes at each anchor point for concrete. You may want to rent a gas-powered post hole digger with an 12" diameter auger for this job. Many larger carports require larger piers. Hole size to be a Minimum of 12" in diameter and 24" deep. Size and depth varies depending on bearing load and uplift. Check with Local Building Officials for frost line depth to ensure the proper anchoring depth for your specific building. If you will be using piers, this is to be done at the same time as laying your base rails out.



This instruction manual only covers rebar anchor installation into concrete piers. The customer is responsible for any other anchoring/foundation.

Frame Assembly

STEP 1: BASE RAIL ASSEMBLY

There are two runs of base rails. Each run of base rails has a starter base rail (A) with two vertical insert pins and base extensions (B) with one vertical insert pin. Insert one extension base rail (B) into the starter base rail. Set the overall length dimension from the end of the starter base rail (A) to the end of the extension base rail (B) at 9'-2". Now, fasten the joints on top with two #12 x 3/4" self-drilling screws. Repeat this assembly for the other run of base rails.

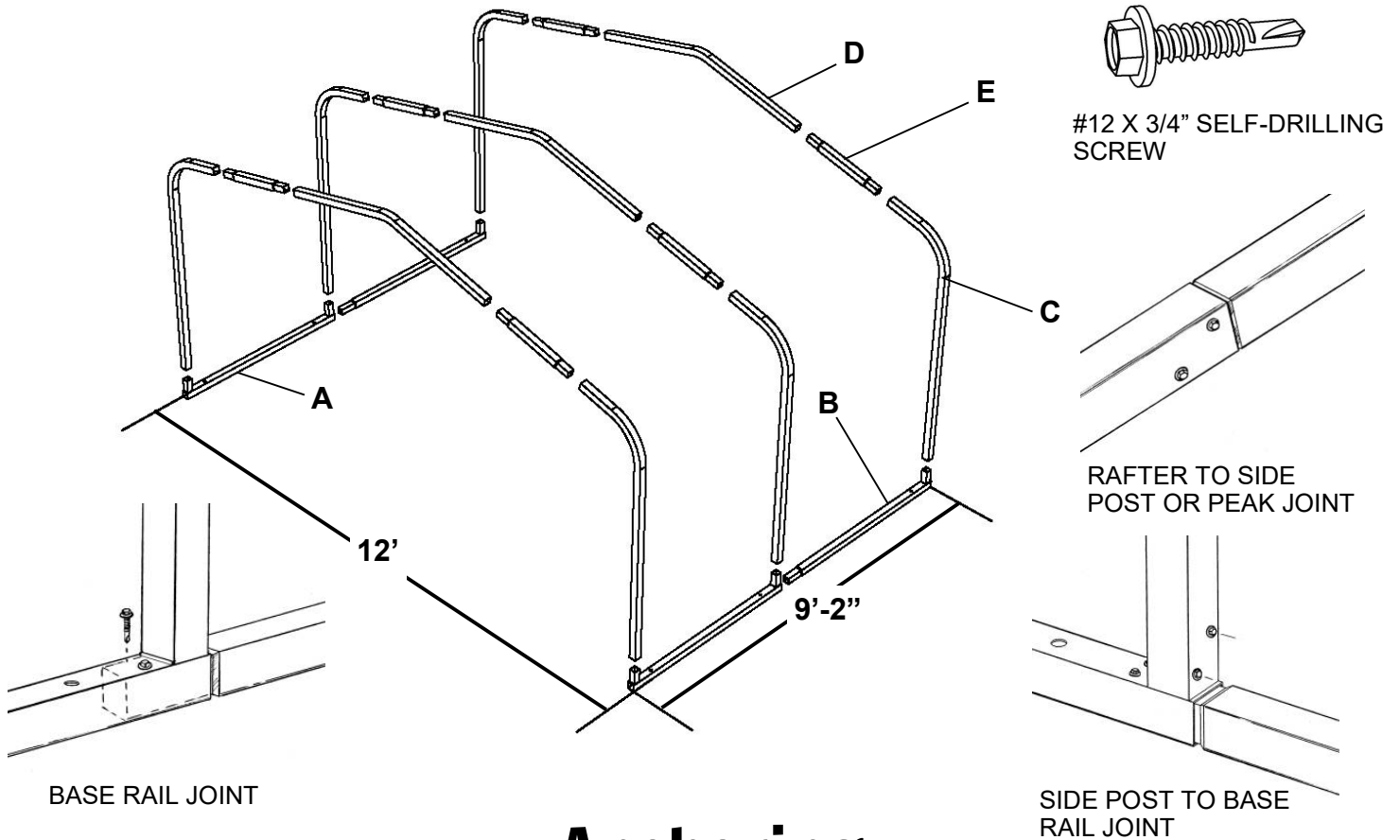
STEP 2: ROOF/WALL FRAME ASSEMBLY

On the ground, assemble two side posts (C), one peak (D) and two rafters (E). Measure across the frame assembly at the top, just below the bends and at the bottom. Set the frame width at 12'. Try to keep the joints on both sides of the peak equal. With the dimension set at 12', attach the frame joints with two #12 x 3/4" self-drilling screws in each joint. Repeat this assembly for the remaining two frames.

STEP 3: ATTACHING THE ROOF/WALL FRAME SECTIONS TO THE BASE RAILS.

Place the base rails in the location that you have prepared. Set the front of the base rail assemblies even and 12' apart outside to outside. Now, set the back dimension 12' apart. Set one roof/wall frame assembly on the vertical insert pins at the back of the cover. You may want to face the joint assembly screws to the back for a better appearance. Now, install the other two frame assemblies. Attach the side posts to the base rail pins with two #12 x 3/4" self-drilling screws on the back side of the assembly.

Frame Assembly (continued)



Anchoring

Anchoring to Ground with Concrete Piers

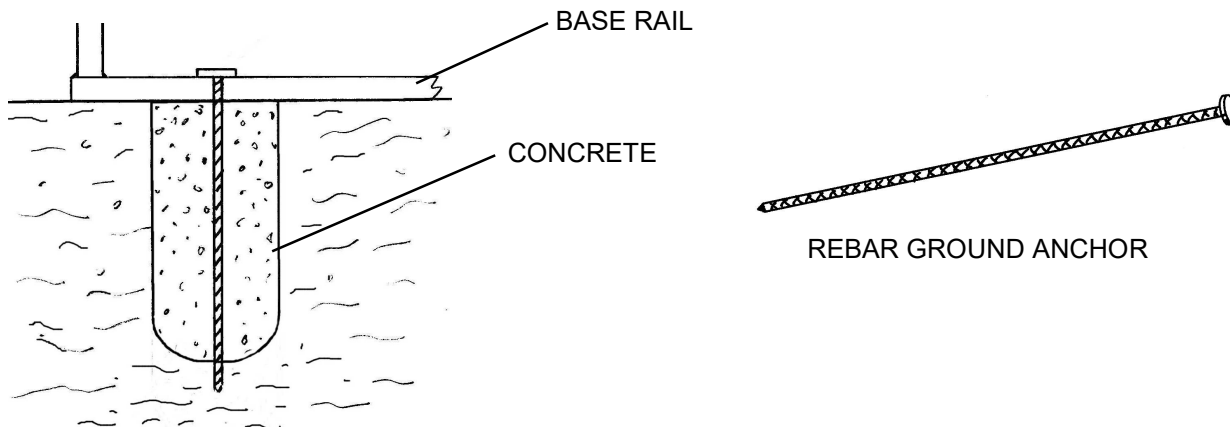
DIGGING HOLES FOR CONCRETE

Mark the locations of the rails and the anchor holes on the ground. Move the shelter to one side and dig 12" diameter by 24" deep holes at each anchor point for concrete (6 total).

ANCHORING

Move the base rails back into position over the holes. Re-measure to make sure the rails are in the proper location. (12' apart outside to outside). Measure diagonals to square frame. The diagonal measurements should be equal. Now drop or drive a 30" rebar ground anchor into each anchor hole. Mix up concrete and pour into holes up to ground level. Before the concrete sets, re-check all your dimensions to make sure the frame is square and has the proper width. Let the concrete cure overnight before installing the sheet metal panels on the roof.

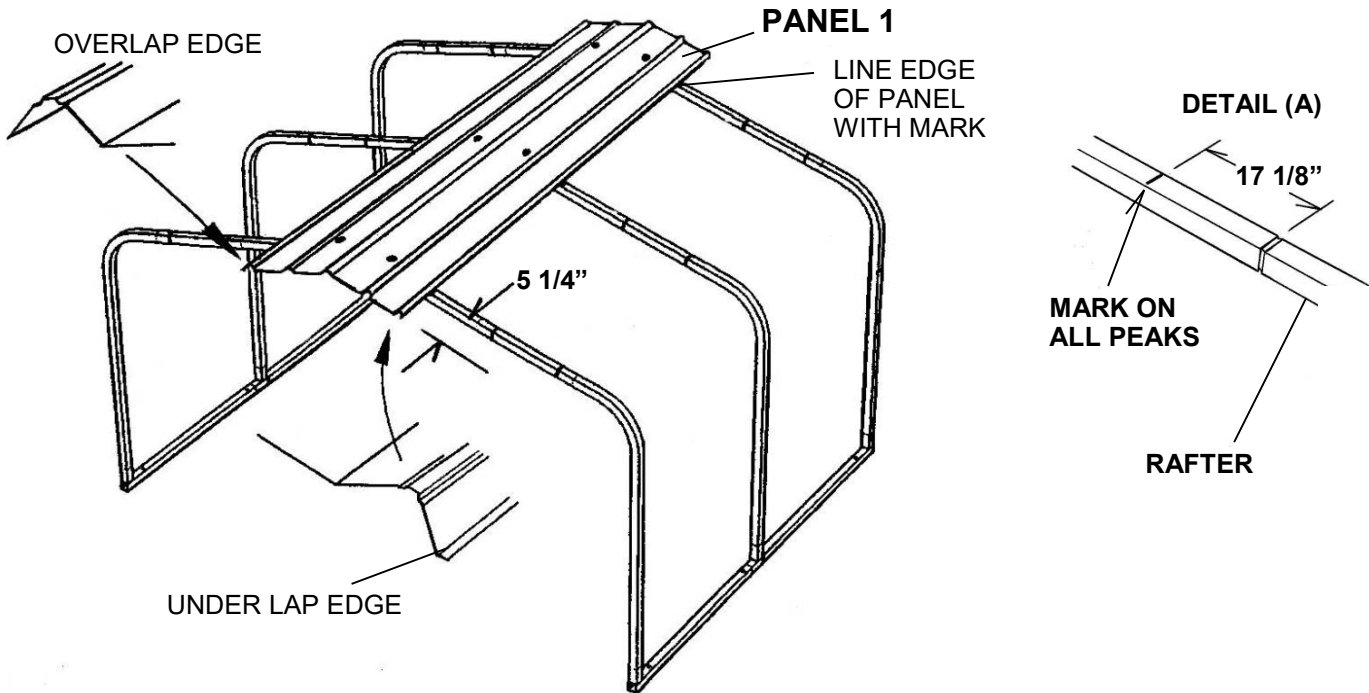
IMPORTANT: You must level and square the frame before you attempt to install sheet metal. Failure to support the frame in a square and level condition will result in crooked sheet metal and possible leaks when frame is shifted for anchoring later.



Installing Roof Sheet Metal

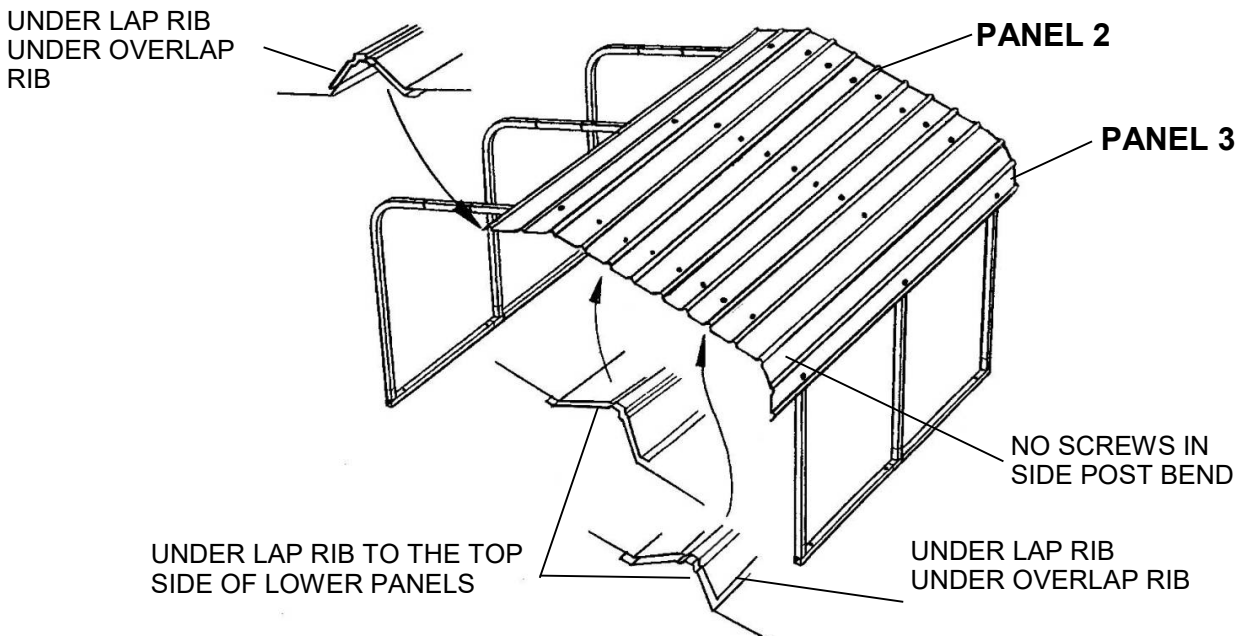
INSTALLING THE FIRST PANEL (10' PANEL)

Before you place the first panel on the roof, put a mark on all peak tubes $17 \frac{1}{8}$ " up from the end of peak as shown in detail (A) below. Each panel has an under lap and an overlap edge. The under lap edge has a small flange at the edge. The overlap edge is just a partial rib with no flange. (See illustration below). Place the first panel on the roof in the center of the frame as shown with the flanged of the under lap edge of the panel lined up with the marks that you put on the peak tubes. This will center the first panel on the frame. The ends of the panel should overhang the ends of the frame $5 \frac{1}{4}$ ". Fasten the panel to the frame with #12 x 1" painted, self-drilling screws with sealing washers. Place screws in the pattern indicated in the in the illustration below. Do not install screws next the center rib of the panel. Also, do not install screws above the lower edge ribs of the panel at this time. You will be sliding the lower panels under the first panel.



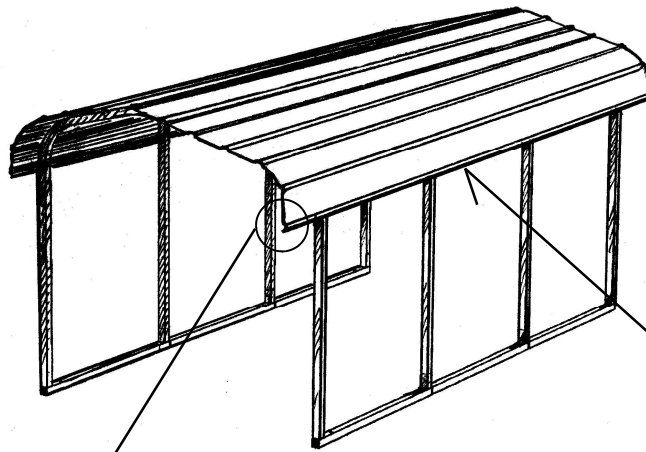
INSTALLING LOWER PANELS

Lift the lower edge of the upper panel and slide the under lap edge of the lower panel under of the edge of the upper panel. Line up the ends of the panels and install screws in the pattern indicated in the illustration to the right. Note that no screws are placed in the side post bends. The bends have channels and would cause screws to dimple the panels. Repeat on other side of roof.



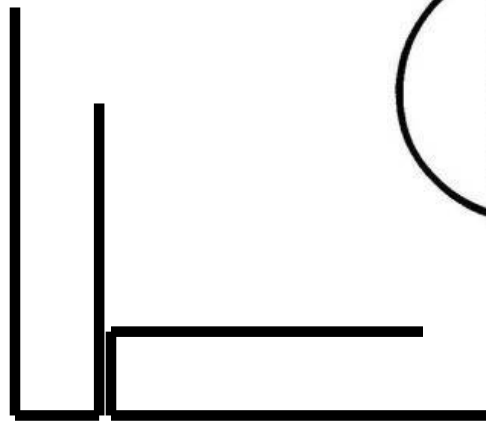
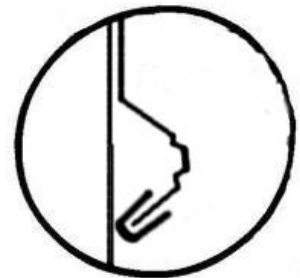
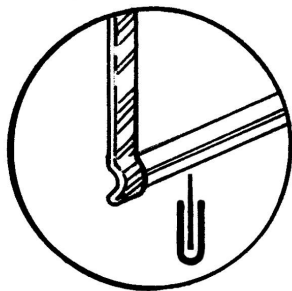
Installing Vinyl Edge Trim

Install vinyl edge trim on front, back and side edges of sheet metal panels. Start at one corner and push the trim securely over the sheet metal edge. Install the trim on the gable ends first starting at one corner, up along the gable and down to the other corner. Install vinyl edge trim on both side edges of the carport. Clip the trim flush with the edge of the trim on the gable ends. It may help to use a small hammer to fit trim over major ribs. Use your tin snips to cut the trim.



VINYL TRIM, GABLE END

VINYL TRIM, SIDE EDGE



BUTT SIDE EDGE TRIM UP TO GABLE END TRIM