

IMPORTANT -- SPECIAL INSTALLATION INSTRUCTIONS **FOR AZTEC SHELTER**

**** READ ALL INSTALLATION INSTRUCTIONS BEFORE STARTING!****

If at any point, you have questions, call 1-800-851-0865...(The manufacturer will not be responsible for delays or lost installation time, due to failure to follow all instructions.)

ATTENTION INSTALLERS:

Metal shavings left on the roof or other surfaces will quickly rust and stain the surface finish. Cutting, drilling and installing roof panels, fasteners and other components will cause metal shavings. These shavings **MUST** be carefully removed at the end of each day by either sweeping or brushing the installed roof and other surfaces.

1. It is **EXTREMELY IMPORTANT** that, before setting any anchor bolts, the current footing layout is obtained from the manufacturer and the bolts are accurately set.
 - 1A **Anchor Bolts** are **not** included and must be furnished at time of installation. Consult local building codes and drawings if ordered and furnished.
 - 1B We recommend using **High Quality Stainless Steel Anchor Bolts** in areas with a corrosive climate. Check local building codes.
2. If the shelter is set on a concrete slab (or footings), the slab must be exactly level so that all the posts will be at the exact same elevation when mounted on the slab and anchored down.
3. If the shelter is set on an unlevel surface, it will bolt together if assembled with all bolts loose. When the bolts are tightened, some of the steel joints will have gaps and the unit may not be exactly plumb; however, the strength of the structure will not be affected.
4. In areas with frequent rain, the slab or footing elevation should be at least 1" above the elevation of the surrounding landscaping to prevent water from ponding around the base plate and anchor bolts.
5. In most cases, the anchor bolt nuts should not be tightened completely, until the frame is assembled and squared, and the roof panels have been installed.
6. In all cases, the center to center of roof panel lock spacing, the 24" c/c for the 3-V roof panels, the 10" c/c for the single V panels, and the 18" OR 8" c/c for the flat panels must be maintained as the panels are installed. This spacing must be maintained across both the top and bottom of the panels. **IF THIS IS NOT DONE**, the problems may not show-up until towards the end of the panel installation, when they will not fit properly and appear to be too long or cut wrong. If this happens, go back and check the spacing and re-set if necessary.

7. As is common in the erection of all types of metal structures, due to job site conditions - unlevel slabs, footings, etc., slight modifications such as reaming of some holes or even drilling a new hole or two, may become necessary and must be done on the job site.
8. Installing Tek screws at a high rpm may cause the Tek screws to become damaged or break during installation. If damage or breakage occurs, lower the speed of the drill.
9. Due to the custom nature of this unit and the variety of job site conditions and situations that may be encountered (slab or footings not level, posts not plumb, etc.), some notching and trimming of some components may be required. Most components have been fabricated to fit exactly, where feasible.
10. During the erection of the frame, if there are additional purlins required and furnished, these are attached to the plates on the sides of the rafters. Be certain to install the purlins with the top angled down and out, following the slope of the rafters. This is necessary so the roof panels will lay flat on top of these purlins for installation. During the roof pan installation, the pans need to be secured to all purlins using the #5 TEK washer head drill screws on 8" centers.
11. Predrilling holes and removing metal shavings and debris from between components before fastening together will help prevent any rusting or staining of surrounding surfaces.
12. If this unit was ordered and furnished with a cupola, after the main frame has been erected, center and square cupola on the rafters and attach to the rafters using the #5 TEK drill screws through the brackets on the cupola legs. The cupola was sent completely assembled.
13. If this unit was ordered with a double tier, after the main frame has been erected, attach the ridge cap for these rafters, and then the roof pans to the ridge caps as noted in the standard instructions. Flashing is used in place of gutter, to cover the ends of the roof pans on the top tier. Notch and fold the flashing to form wrap around corners. The peak cap is used to cover the top area and is attached with the #2 TEK drill screws.

When installing the roof pans for the bottom tier, there is a U cap flashing to cover the tops of these pans after they are attached to the top purlin, and gutters for the bottom.

15. It will be necessary to refer to the approved drawings supplied, to the standard or generic instructions, and to these notes.

Install the complete framework as noted on the drawings; the cupola gets installed next, and then the roof package for the main frame. If bird guards were ordered for this unit, these are installed under the pan at the points where the pans are attached to the purlins, using 2 at each point, one from each side. These are also used down at the gutters, under the pans as they attach to the gutters.

16. After assembly of the gutter is complete, be sure to drill holes in the gutter at the desired locations and install scuppers or downspouts.

17. Touch up paint has been supplied with your shelter to cover ant minor scratches or bolt and screw heads to give your shelter that finished look. Use a template for touch up painting to achieve a good finish and minimize over spray.

AZTEC SHELTER w/ DOUBLE TIER & CUPOLA **ASSEMBLY & INSTALLATION PROCEDURES**

**** READ ALL INSTALLATION INSTRUCTIONS BEFORE STARTING!****

NOTE: These are standard or generic instructions; if specific drawings have been ordered and supplied for this job, refer to those for exact details.

ATTENTION INSTALLERS:

Metal shavings left on roof or other surfaces will quickly rust and stain the surface finish.

Cutting, drilling and installing roof panels, fasteners and other components will cause metal shavings. These shavings MUST be carefully removed at the end of each day by either sweeping or brushing the installed roof and other surfaces.

If at any point, you have questions, call 1-800-851-0865...(The manufacturer will not be responsible for delays or lost installation time, due to failure to follow all instructions.)

1. Layout the eight posts and rafters, and then bolt them together using the 1/2" bolts and nuts, but Do Not Tighten Bolts Completely At This Time.
2. Bolt the eight sided tie block to one of the post/rafter assemblies and stand it up. Stand up another assembly to left or right of the first one and bolt together, and follow this procedure around the tie block until all are in place. Do Not Tighten Bolts Completely At This Time.
3. After rafter/tie block assemblies have been connected, attach the purlins to the plates on the sides of the rafters using 1/2" bolts and nuts. Be certain to install the purlins with the top angled down and out following the slope of the rafters. This is necessary so the roof panels will lay flat on these purlins for installation. Do Not Tighten Bolts Completely At This Time.
4. Set the post spacing per layout plans, and referring to the Special anchoring instructions attached, anchor the posts to the slab or footings. Do Not Tighten Bolts Completely At This Time. NOTE: It is EXTREMELY IMPORTANT that, before setting any anchor bolts, the current footing layout plan is obtained from the manufacturer and bolts are accurately set. Anchor bolts are not included and must be furnished at the time of installation. Consult local building codes and drawings. Do Not Tighten Bolts Completely At This Time.
5. After referring to the enclosed plans, set the height from the bottom of the tie block to a line level with the bottom of the post plates. NOTE: This is extremely important in being able to square the unit, plumb the posts, make connections, prevent gaps, and installing all components. (A fork lift, basement screw floor jack, or lumber and shim support may be used to set the tie block height. Adjusting the height of the tie block up or down during the installation can help in making connections of various components; however be certain to re-set to correct height afterwards.)
6. Place a gutter piece on the brackets at the end of the rafters, making sure that the ends are centered on the brackets, and secure each end with 4 #14 TEK screws. Next, do a gutter piece across from the first, and continue in this fashion. NOTE:

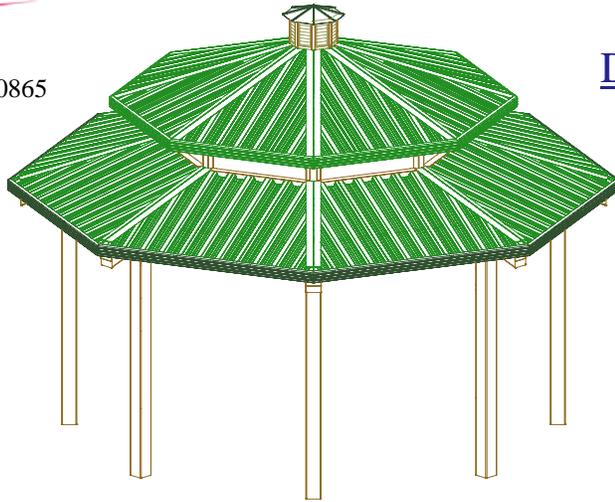
Due to a variety of site and frame conditions, it may be necessary to use a heavy duty ratchet strap to make the last connection.

There is one piece that is marked to “install last”. This piece is longer than the others and has only one end cut on an angle. After seven pieces have been installed, measure the last opening and cut this last piece on the correct angle and length needed, and install.

7. Attach the corner plates to the gutter fascia using (8) #5 TEK screws. NOTE: It is very important that this step be followed.
8. At this time, the final leveling, squaring, and plumbing of the frame can be done and all bolts tightened.
9. Using the #5 TEK drill screws, attach the ridge caps (8 for each tier) to the top of the rafters, screwing through the side of the bottom lip of the ridge cap into the side of the rafter, on 12” centers, both sides. NOTE: On occasion, the ridge cap must be made in 2 pieces. Install the shortest piece at the top and work down.
10. The roof panels are boxed and numbered, as to each section of the roof; do NOT mix one box with another. Before attaching roof panels with the screws, be sure to match up the proper roof panels with appropriate tier and section. Start in the center of each section with the longer roof panels and snap the lock of the roof pans together. Secure to ridge cap and the lip of the gutter using #2 TEK screws on 8” centers. Hint: Holding a 2x4 under the lock, and lightly tapping with a rubber mallet will speed the joining of 2 roof pans. NOTE: If a peak cap is needed, install on top of the unit and fasten to the ridge cap prior to installing the roof panels of the last section. Be sure to maintain the proper spacing for the center to center of panel locks, (24” for 3-V roof pans, 10” for single V pans and 18” or 8” for flat pans). Adjust the roof panels up or down in the ridge cap or gutter to get the best fit, before securing with screws. Hint: For a neater corner, use pliers to grab the corner of the last small panel of one section and overlap it with the one from the previous section, if possible, and screw them down together.
11. We recommend drilling 1-1/2” holes in the bottom of the gutter at several locations, or downspouts may be used to drain water from the gutters.
12. NOTE: Touch up paint has been supplied with your shelter to cover minor scratches or bolt and screw heads to give your shelter that finished look. Use a template for touch up painting to achieve a good finish and minimize over spray.



Contact us @ (800)851-0865

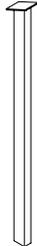
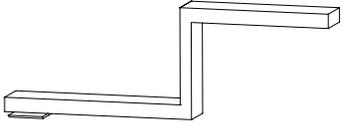
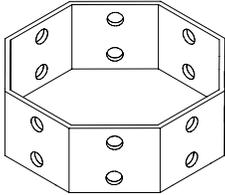
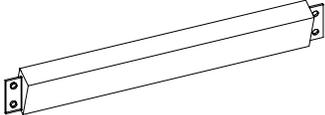
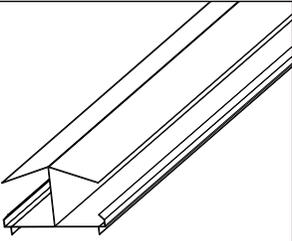
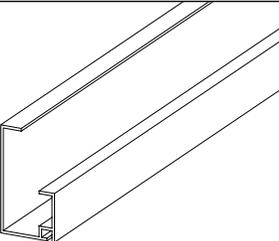
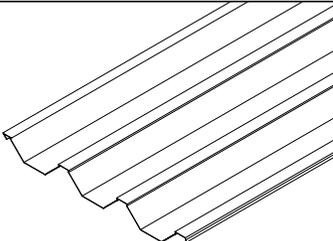
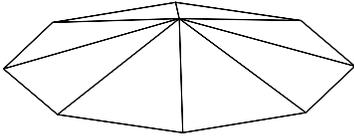
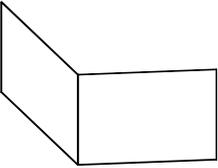
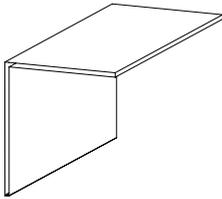


Aztec Shelter w/ Double Tier & Cupola (Optional) Assembly & Installation Instructions

Recommended Tools: Safety Glasses, Tape Measure, Carpenters Level, Framing Square, Hex Head Nut Drivers, Elec. Drill w/ Bits, Open or Box End Wrenches, Mallet

- Before You Begin:**
- 1.) Please read all instructions and the General Notes Page carefully. Check the Bill of Materials for any missing parts, and gather necessary tools. To prevent scratching of painted materials, place on a tarp, paper, or protective material.
 - 2.) You may be required to obtain a building permit for this structure from your local building authority. This product should only be installed in 10, 20, or 30 psf (pounds per square foot) snow load and 90 mph or less wind speed zone (Custom models can be designed for heavier loads). Contact your local building department for details and your area's snow & wind loads.
 - 3.) Note that this Roof Deck is not designed to carry additional loads such as hanging heavy plants, swings, people, or other objects.
 - 4.) Installing Tek screws at a high rpm may cause screws to become damaged or break during installation.

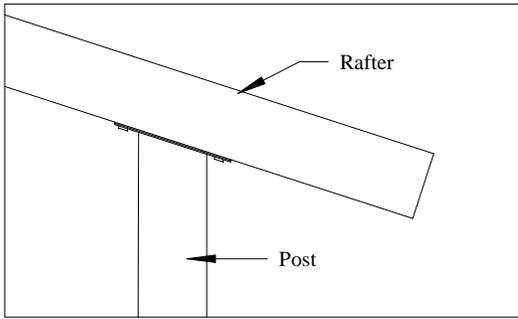
AZTEC SHELTER PARTS LIST

			
(8) Post	(8) Rafters	(1) Tie Block	(16) Purlin
			
(8) Ridge Cap	(8) Gutter Fascia	Roof Panel	(1) Peak Cap
			
(8) Corner Plate	(8) Rafters Gutter Bracket	Cupola (Optional)	

STEP 1

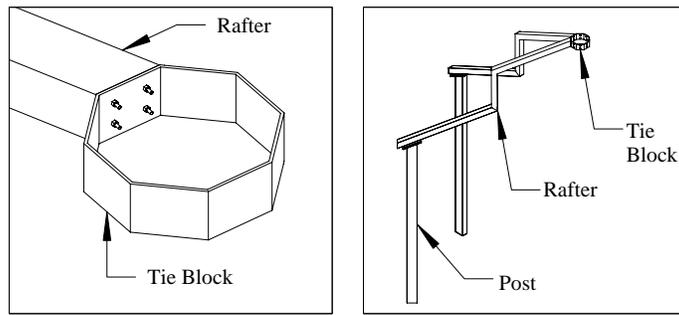
Layout the 8 Legs and Rafters.

Bolt together using 1/2" Bolts and nuts but do NOT TIGHTEN COMPLETELY at this time.



STEP 2

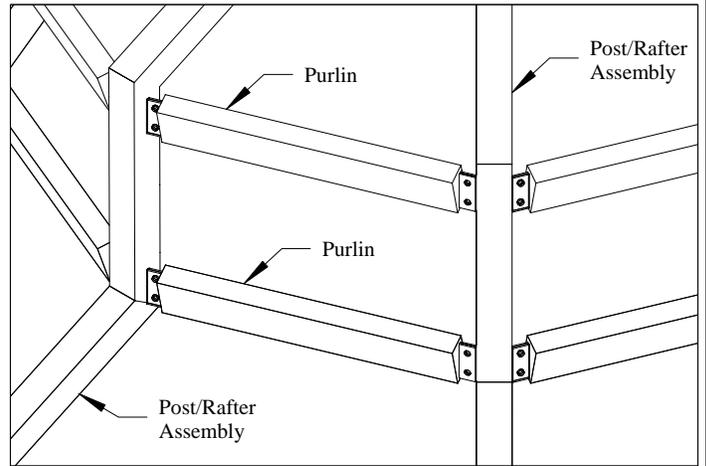
Bolt the Eight-Sided Tie Block to one of the Leg/Rafter assemblies and stand it up. Stand up another assembly to the left or right of the 1st one and bolt together. Follow this procedure around the tie block until all are in place. DO NOT COMPLETELY TIGHTEN BOLTS AT THIS TIME.



STEP 3

After rafter/tie block assemblies have been connected, attach purlins to plates on the sides of the rafters using 1/2" bolts and nuts (See Fig.4-1). Install purlins at each rafter assembly.

(NOTE: Install purlins with the top angled down and out, following the slope of the rafters. This is necessary so the roof panels will lay flat on these purlins for installation.) Do Not Tighten Bolts Completely At This Time.



STEP 4

Set the Post Spacing per layout plans.

Referring to the Special Anchoring Instructions attached, anchor the Posts to the Slab or Footings. NOTE: It is very important to install base plate washer. DO NOT COMPLETELY TIGHTEN BOLTS AT THIS TIME.

INSTALLATION NOTES:

It is EXTREMELY IMPORTANT that, before setting any anchor bolts, the current footing layout is obtained from the manufacturer and the bolts are accurately set.

Anchor bolts are not included and must be furnished at the time of installation. Consult local building codes and drawings.

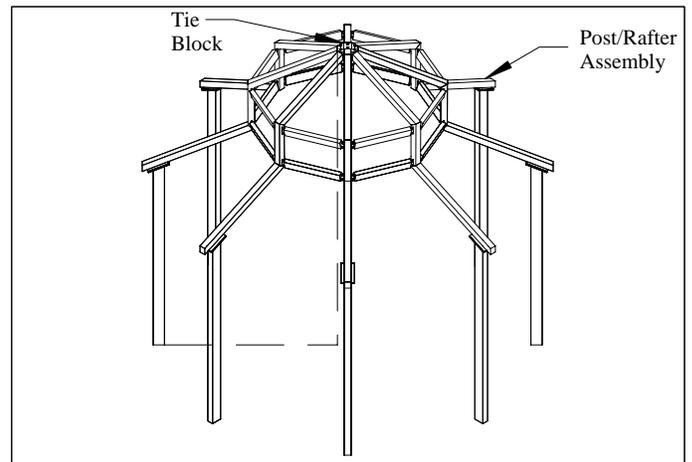
STEP 5

After referring to the enclosed plans, set the height from the bottom of the Tie Block to a line level with the bottom of the Post Plates

NOTE: this is extremely important in being able to square the unit, plumb posts, make connections, prevent gaps, and installing all components

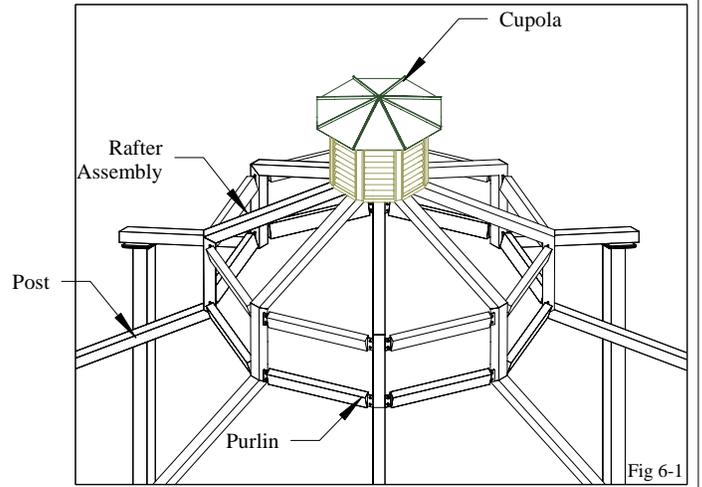
(a fork lift, basement screw floor jack, or lumber and shim support may be used to set Tie Block height)

Adjusting the height of the Tie Block up or down during installation can help in making connections of various components; however be certain to re-set to correct height afterwards.)



STEP 6

If this unit was ordered and furnished with a Cupola, after the main frame has been erected, center and square the cupola on the rafters and attach to rafters using the #5 Tek screws through the brackets on the cupola legs (see Fig 6-1).
The cupola was sent completely assembled.



STEP 7

Place a Gutter Fascia piece on the Gutter Brackets at end of the Rafters, making sure that the ends are centered on the Brackets.

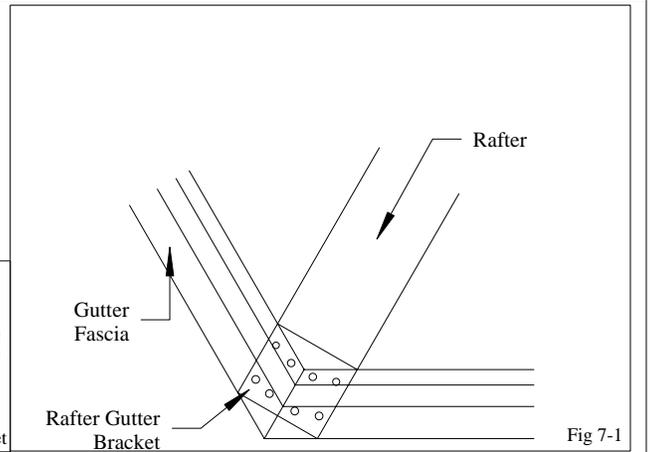
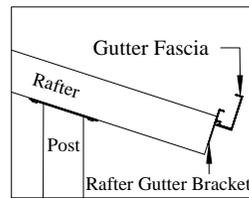
Secure each end with 4 of the larger #14 Tek Drill Screws.

Do a Gutter piece across from the 1st and continue in this fashion.

NOTE: Due to the variety of site or frame conditions There is one piece that is marked to "install last" This piece is longer than the others and has only one end cut on an angle.

AFTER seven pieces have been installed measure the last opening and cut this last piece on the correct angle and length needed, and install.

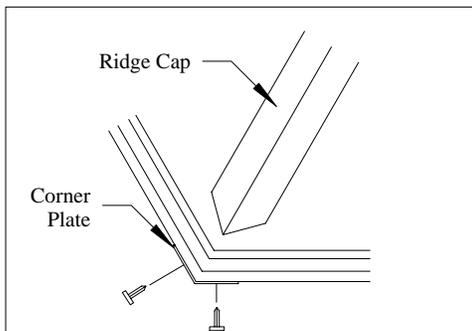
It may be necessary to use a heavy-duty ratchet strap to make the last connection.



STEP 8

Attach the corner plates to the Gutter Fascia using (8) 3/4" Drill Screws.

It is very important that this step is followed!!



STEP 9

At this time, the final leveling, squaring, and plumbing of the frame can be done and all Bolts tightened.

STEP 10

Using the 1-1/4" Drill Screws, attach the 8 Ridge Caps to the top of the Rafters, screwing through on side of the bottom lip of the Ridge Cap into the side of the Rafter, on 12" Centers. Be sure the Ridge Cap is even with top end of Rafter before attaching to Rafter.

NOTE: On occasion, the Ridge Cap must be made in 2 pcs Install the shortest piece at the top and work down.

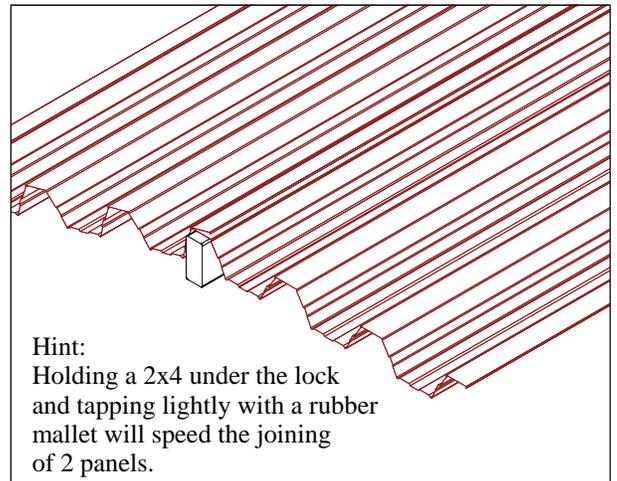
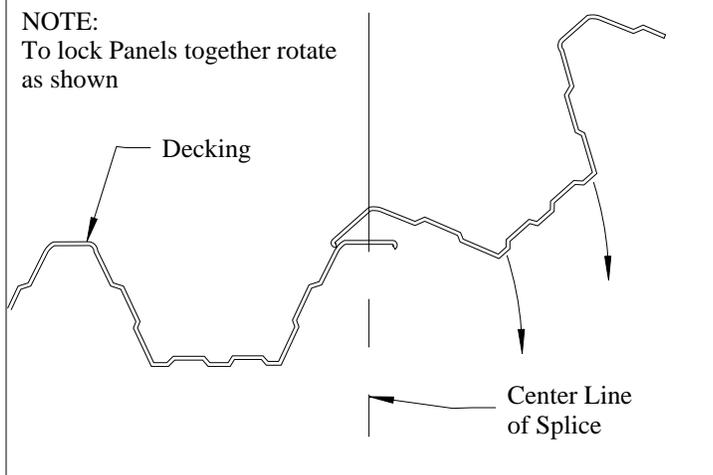
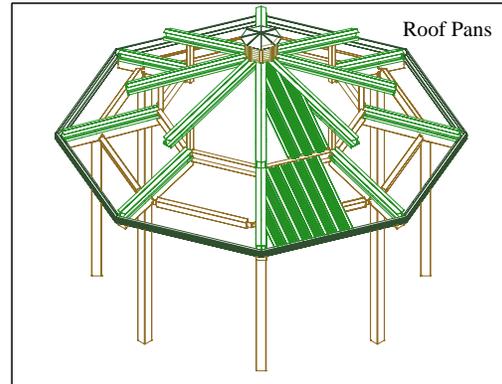
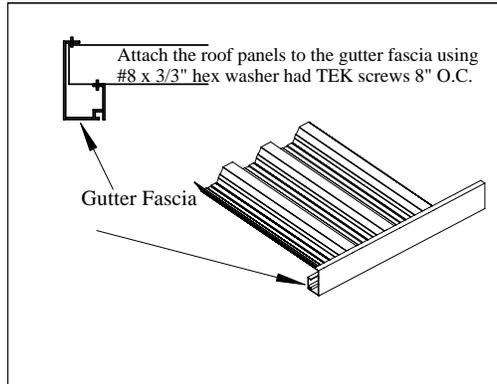
STEP 11

The Roof Panels are boxed and numbered, as to each section of the roof; do NOT mix one box with another. Before attaching roof panels to ridge cap, be sure to match up the proper roof panels with the appropriate tier. Start in the center of each section with longer roof panels and snap the lock of the Roof Panels together. Secure to Ridge Cap and the lip of the Gutter with the 3/4" Drill Screws on 8" centers. Hint: Holding a 2x4 under the lock, and lightly tapping on top with a rubber mallet will speed the joining of 2 roof panels.

NOTE: Place the Tie Block Cap on top of the unit and fasten to the Ridge Cap prior to installing the Roof Panels of the last section. Be sure to maintain 24" spacing on Roof Panels.

Adjust roof panels up or down in the ridge cap or gutter to get the best fit, before securing with screws.

Hint: For a neater corner, use pliers to grab the corner of the last small panel of one section and overlap it with the one from the previous section, if possible, and screw these down together.



STEP 12

- We recommend drilling 1-1/2" holes in the bottom of the Gutter at several locations, or Downspouts may be used to drain water from the Gutters

NOTE:

Touch up paint has been supplied with your shelter to cover minor scratches or bolts and screw heads to give your shelter that finished look. Use a template for touch up painting to achieve a good finish and minimize over spray.

End of Aztec Shelter Instructions

