IMPORTANT -- SPECIAL INSTALLATION INSTRUCTIONS

** 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 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. Predrilling holes and removing metal shavings and debris from between components before fastening together will help prevent any rusting or staining of surrounding surfaces.

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

11. 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.
Recommended Tools: Safety Glasses, Tape Measure, Carpenters Level, Framing Square, Hex Head Nut Drivers, Elec. Drill w/ Bits, String, 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.) For ease of assembly and installation, familiarize yourself with component parts.

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

NOTE: IT IS VERY IMPORTANT TO INSTALL BASE PLATE WASHER DURING POST ASSEMBLY

Typical Navajo Tubular Post To Rafter Assembly
And Anchor Bolt Placement Detail
STEP 1

Layout the four legs and rafters (see Fig. 1-1), and then bolt together using the 5/8" bolts and nuts (see Fig. 1-2). Do Not Tighten Bolts Completely At This Time.

**NOTE:** Access holes in rafter goes on top.

![Fig. 1-1](image1)

![Fig. 1-2](image2)

STEP 2

Bolt the four sided tie block to one of the leg/rafter assemblies (see Fig. 2-1) and stand up. Stand up another assembly to the left or right of the first one and bolt together (see Fig. 2-2), and follow this procedure around the tie block until all are in place.

(NOTE: Do Not Completely Tighten Bolts At This Time.)

![Fig. 2-1](image3)

![Fig. 2-2](image4)
**STEP 3**

Set the post spacing per the enclosed layout plans, and referring to the special anchoring instructions attached, anchor the posts to the slab or footing. (see Fig 3-1)

**NOTE:**
IT IS VERY IMPORTANT TO INSTALL BASE PLATE WASHER.

Fig. 3-1

**STEP 4**

Next, 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 (see Fig. 4-1,2). (NOTE: This is extremely important in being able to square the unit, plumb the post, make connections, prevent gaps, and install 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 the installation can help in making connections of various components; however be certain to re-set to correct height afterwards).

Fig. 4-1

Fig. 4-2
**STEP 4a**

Attach purlins to post using the 1/2” bolts - be certain to install purlins with the top angled down and out and following the slope of the rafters. This is necessary so the roof panels will lay flat on top of these purlins for installation.

![Fig. 4-3](image1)

![Fig. 4-4](image2)

**STEP 5**

Attach ridge cap to rafter using #5 Tek screws 1'-0" on center both side of rafter (see Fig 5-2). (CAUTION: Installing Tek screws at a high rpm may cause Tek screws to become damaged or break during installation.) Be sure that the ridge cap is even with the top end of rafter before attaching to rafter. NOTE: On occasion, the ridge cap must be made in 2 pieces. Install the shortest piece at the top and work down.

![Fig. 5-1](image3)

![Fig. 5-2](image4)
STEP 6
Snap the center roof panels together. Hint: Holding a 2x4 under the lock, and lightly tapping on top with a rubber mallet will speed the joining of 2 pans. Set the panels on the unit and line up the center of the panel lock with the center of the tie block and the center of the purlin. (see Fig. 6-1, 2). Slide the panels into the ridge cap and check the panel overhang at the purlin. Secure the top edges of the roof panels to the ridge cap using #2 Tek Screws at 8" O.C. Anchor the bottom edge of the roof panels to the purlin using #5 Tek Screws at 8" O.C.

ATTENTION INSTALLERS:
Metal shavings left on roof and 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 either by sweeping or brushing the installed roof and other surfaces.

STEP 6a
Put the remaining panels on. Be sure to maintain 24" centers with panels (C/C of Locks).

NOTE: Before installing the last section of roof panels, install the Peak Cap on top using the #2 Tek screws to attach (see Fig 6-4). The Base Cap is installed later to the bottom of the tie block, using the self adhesive tape.

To achieve the best roof panel installation, it is extremely important to hold the 24" Center to center of the locks, at the top and bottom of the panels. It is more important to keep the bottom of the panels aligned and use the allowance built into the ridge cap for adjustment at the top. On extended model Navajos, the square cut panels for the sides are slightly shorter to allow for the angled and square panels to meet properly.
STEP 7

Install gutter fascia on outside edge of panels using #2 Tek screws @ 8" O.C., gutters at the corners butt back to back (see Fig 7-1). Also install corner assembly at each corner using #2 Tek screws (see Fig 7-2).

(NOTE: Before installing corner plates, it is helpful to lap the locks of the last roof pans from both sections and secure with Tek screw.)

---

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

---

CONGRATULATIONS! ASSEMBLY COMPLETED

Other Products Available from AMERICANA BUILDING PRODUCTS:
Fabric Window Awnings, Aluminum Patio Covers and Window Awnings, Glass Enclosures, Screen Enclosures, Park Shelters, Aluminum Railings & Columns, Retractable Fabric Awnings & More!
SCUPPER CONNECTION DETAIL
Determine where you want the water to run from unit. Mark and drill several small holes in bottom of gutter forming a pattern no bigger than 2" x 3". Apply silicone to area surrounding holes & attach scupper with 2 - #2 Tek Screws covering holes (see Fig. 1-1).
GUTTER SPLICE DETAIL

If the Gutter is in two sections insert the gutter splice, caulk, and fasten with #8 Tek Screws as shown (see Fig. 1-1).