

GENERAL NOTES

ASSEMBLY & ERECTION

- THIS SHADE STRUCTURE IS NOT DESIGNED TO SUPPORT ADDITIONAL LOADS SUCH AS SWINGS, PEOPLE, AND OTHER OBJECTS.
- REMOVE ALL REFUSE FROM DRILLING, FIELD CUTTING, ETC. BEFORE COMPLETION OF ASSEMBLY TO PREVENT DAMAGE TO THE SURFACE FINISH.
- ALL REASONABLE CONSTRUCTION SAFETY & HEALTH STANDARDS SET FORTH BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) SHOULD BE OBSERVED DURING THE ERECTION AND ASSEMBLY OF THIS SHADE STRUCTURE.
- FOLLOW YOUR DETAILED ASSEMBLY INSTRUCTIONS FOR PROPER ASSEMBLY.
- TO PROTECT PAINTED MATERIAL LAYOUT ALL PARTS & PIECES ON A TARP, PAPER, OR OTHER PROTECTIVE MATERIAL.

RECOMMENDED INSPECTION & MAINTENANCE

- EVERY 12 MONTHS YOUR SHADE STRUCTURE SHOULD BE INSPECTED & MAINTAINED BY:
 - TIGHTENING LOOSE NUTS & BOLTS AT ALL CONNNECTIONS (ANCHOR BOLTS, COLUMN-TO-RAFTER BOLTS, RAFTER-TO-RIDGE BEAM/TIE BLOCK, PURLIN-COLUMN, ETC.)
 - REPAIRING DAMAGE TO FINISH AS TO PREVENT CORROSION
 - REPLACING LOST OR DAMAGED FASTENERS, BRACKETS AND OTHER PARTS
 - REPLACING BRITTLE OR CRACKED SEALER TO PREVENT LEAKAGE.
 - REMOVING OBSTRUCTIONS AND MISCELLANEOUS BUILD UP FROM GUTTERS, EAVES, & DOWNSPOUTS.

WARRANTY

- LIMITED LIFETIME WARRANTY ON ALUMINUM AGAINST MATERIAL FAILURE AND CORROSION.
- 25 YEAR LIMITED WARRANTY ON STEEL AGAINST MATERIAL FAILURE AND DEFECTS.
- 10 YEARS LIMITED WARRANTY THAT THE FABRIC WILL NOT DEGRADE, CRACK, OR SHOW EVIDENCE OF MATERIAL BREAKDOWN RESULTING FROM ULTRA VIOLET EXPOSURE. NO WARRANTY AGAINST FADING.
- 5 YEAR LIMITED WARRANTY ON POWDER COATING FINISH
- AMERICANA WILL NOT BE RESPONSIBLE FOR DAMAGES CAUSED BY OTHERS, BUILDING SETTLEMENT, CORROSION BY MOISTURE, CHEMICAL AND POLLUTION, OR ACTS OF GOD, USE, LACK OF MAINTENANCE, OR INCORRECT INSTALLATION.
- KEEP THIS PAGE ON FILE FOR LATER REFERENCE.

Americana Building Products Installation Guidelines

Minimum Slope Requirements: For Standard 20# Load Design

Attached patio covers with 2-piece hinged wall channel including Ozark, Alpine, Sierra, Teton, Vegas, Imperial and Yukon require a minimum of ½ " of slope away from point of attachment per lineal foot of projection.

Example: 10' projection requires minimum 5" of slope

Imperial Marquee covers with 4 sided guttered fascias may be sloped either away from or back toward point of attachment following same guidelines.

Span Limitations: For Standard 20# Load Design

4" Galvalume C Beam as Header: Maximum spacing between posts – 10'

3" Aluminum Box Beam as Header: Maximum spacing between posts – 8'

6" Aluminum C Beam as Header: Maximum spacing between posts – 18'

8" Aluminum I Beam as Header: Maximum spacing between posts 18'

Imperial Gutter as Header: Maximum spacing between posts - 12'

Ozark, Teton & Alpine Gutter as Header: Maximum spacing between posts – 10'

Maximum cantilever beyond posts for all Headers: - 4'

Caulk & Sealant:

Recommended Sealant: 100% silicone or equal quality product

Example: GE Silicone II Premium Waterproof Aluminum & Metal Caulk

Follow all product specific installation instructions for recommended sealing points.

Failure to provide adequate sealant will result in leaks.

Anchoring:

All points of attachment must be into solid, structurally sound & secure material.

It is recommended that attachment be made through sheathing into structural framing members in all non masonry walls.

Example: wood or metal studs, joists, headers, plates or sills

Attachment may be made to block, concrete, brick or stone veneer with suitable anchors. Consult fastener manufacturer's specifications relating to your specific installation requirements. Please follow all product specific fastening instructions.

Note: Failure to properly fasten unit to wall, deck, porch or patio may result in damage to the unit, damage to the structure it is attached to and could cause serious bodily injury.

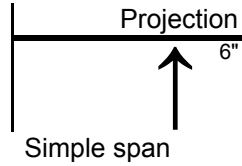
Note:

These are basic installation guidelines for our standard load units and may not be suitable to your specific installation. It is important to follow all local and national building codes when installing any exterior improvement product. If you have questions regarding the proper installation of any Americana products, please call us toll free at 800-851-0865 and ask for assistance.

Engineering Data on Simple Span

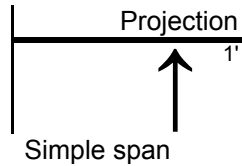
Attached Units = Distance from wall mount to beam/post location

Freestanding Units = Distance between beams/posts



Examples

Sierra style has a standard 6" set back of beam.
 8' 6" projection = 8' beam location = 8' simple span
 Light & Moderate Load
 54# per sq foot & 110 mph winds



Teton style has adjustable beam placement
 11' projection with 1' beam setback = 10' simple span
 Light & Moderate Load
 24# per sq foot & 90 mph winds

We can engineer what you need. Call us with your code requirements.
 Loads can be increased by moving beam placement or extra beam.

Simple Span

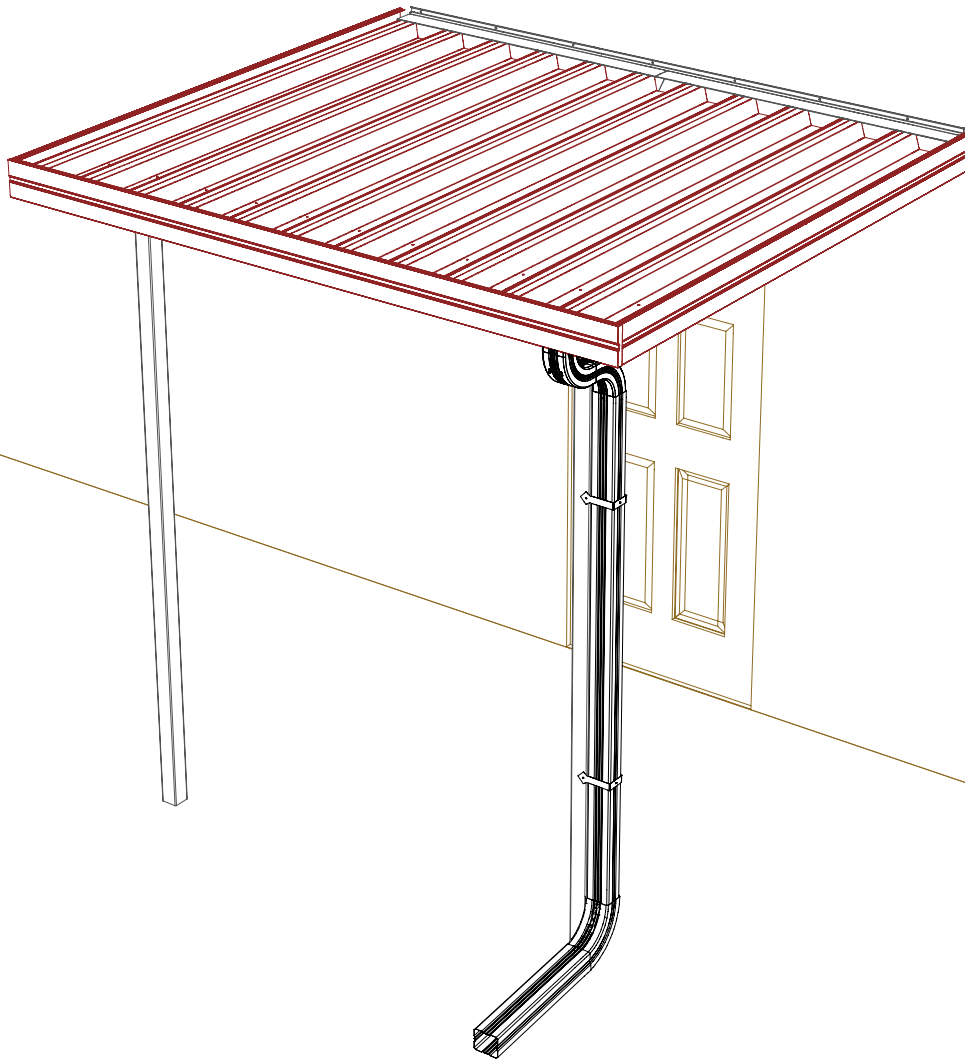
Comparison by Models Snow Load-# per Sq Ft * Wind Load MPH

	Sierra Style 6" beam setback	Teton Style Beam Adjustable	Vegas Style Beam Adjustable	Yukon Style Beam Adjustable
Light Load/Moderate Wind				
4'	217# 150mph	60# 140mph	60# 140mph	60# 150mph
6'	96# 140mph	56# 130mph	56# 130mph	60# 150mph
8'	54# 110mph	35# 100mph	35# 100mph	60# 150mph
10'	34# 100mph	24# 90mph	24# 90mph	40# 150mph
12'	24# 90mph	17# NR	17# NR	30# 130mph
14'	--	--	--	20# 130mph
Moderate Load/Moderate Wind				
4'	217# 150mph	60# 140mph	60# 140mph	60# 150mph
6'	96# 140mph	56# 130mph	56# 130mph	60# 150mph
8'	54# 110mph	35# 100mph	35# 100mph	60# 150mph
10'	43# 110mph	24# 90mph	24# 90mph	40# 150mph
12'	30# 90mph	27# 90mph	27# 90mph	30# 130mph
14'	--	--	--	20# 130mph
Heavy Load/High Wind				
4'	270# 150mph	60# 140mph	60# 140mph	60# 150mph
6'	120# 150mph	56# 130mph	56# 130mph	60# 150mph
8'	67# 120mph	35# 110mph	35# 110mph	60# 150mph
10'	57# 120mph	37# 100mph	37# 100mph	40# 150mph
12'	39# 100mph	27# 90mph	27# 90mph	30# 130mph
14'	--	--	--	20# 130mph

NR = No Wind Rating, Order heavier load model if needed

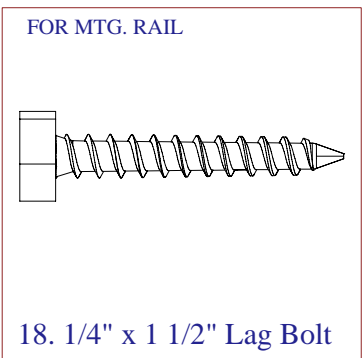
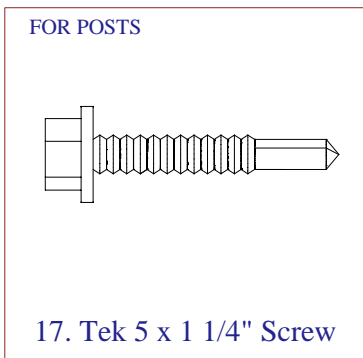
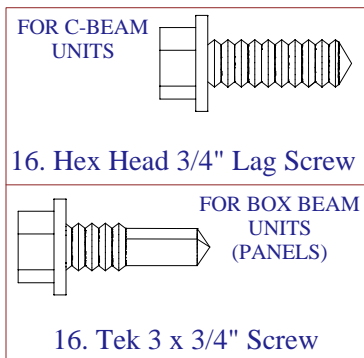
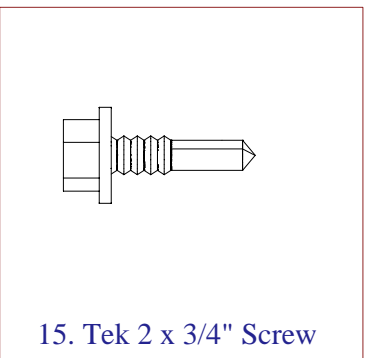
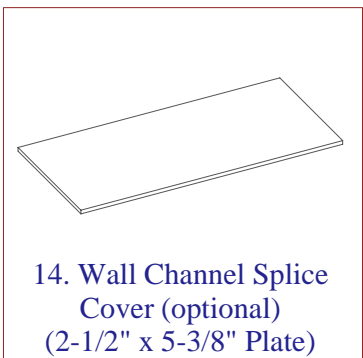
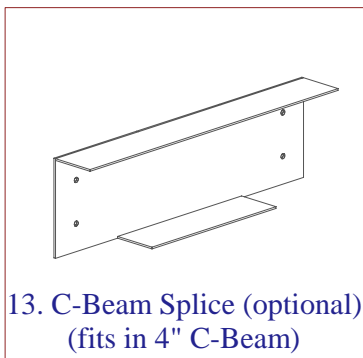
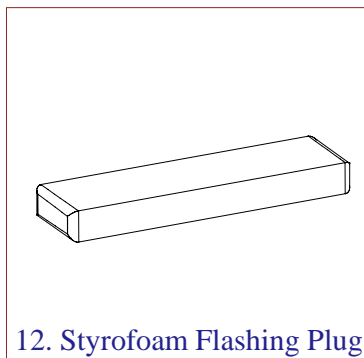
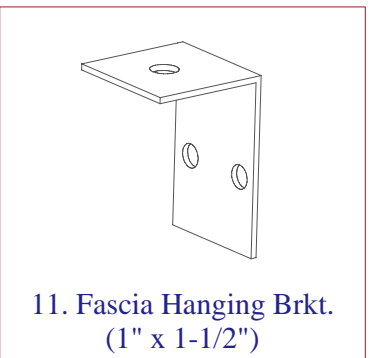
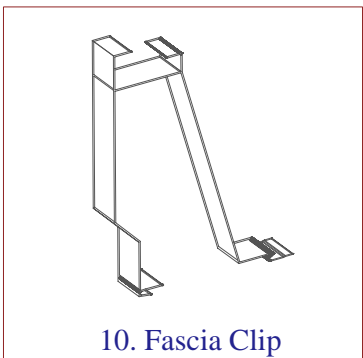
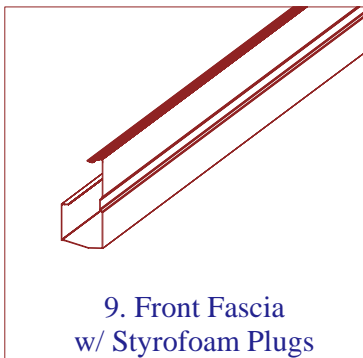
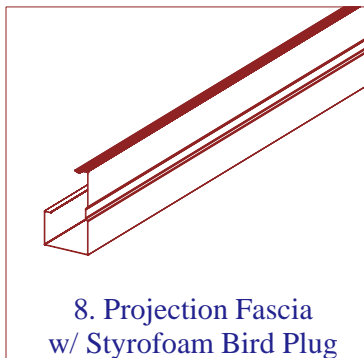
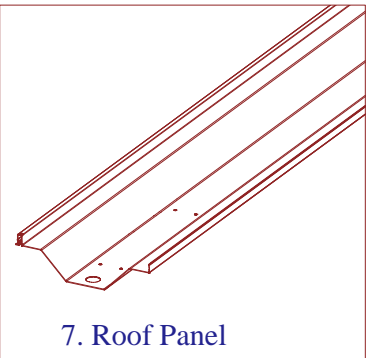
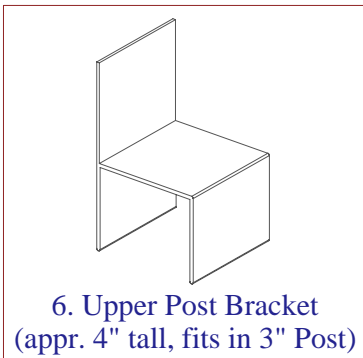
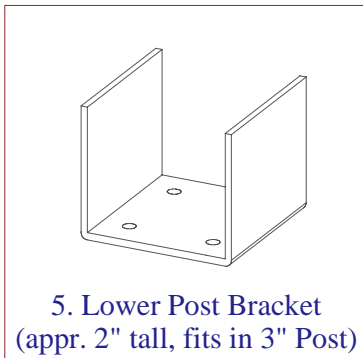
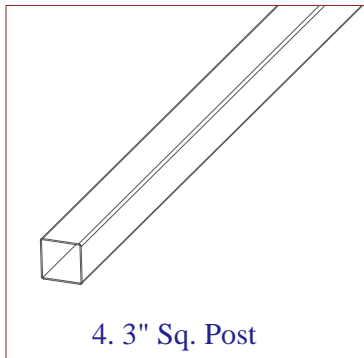
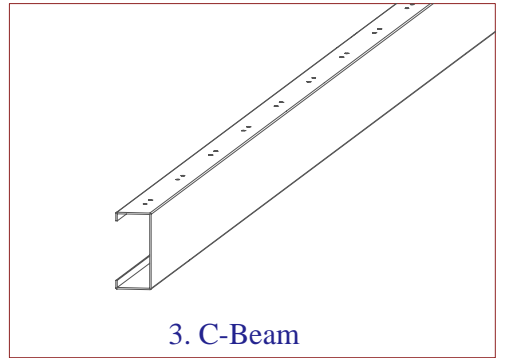
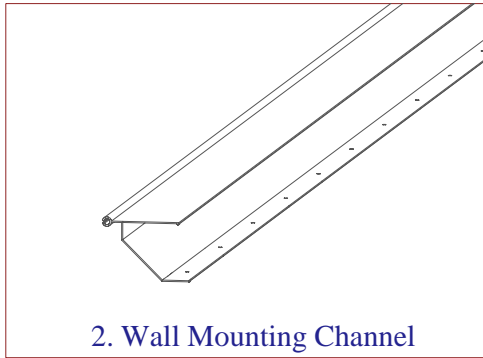
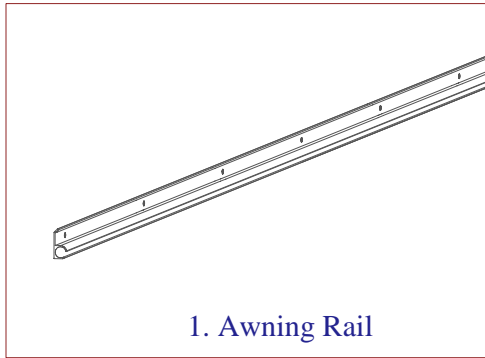
Americana Building Products Inc. 1-800-851-0865, sales@americana.com

SIERRA PATIO COVER
w/ 4" C-BEAM & V-PANS
INSTALLATION INSTRUCTIONS
FOR 3" SQUARE POSTS



Recommended Tools: Safety Glasses, Tape Measure, Carpenters Level, Framing Square, Hex Head Nut Drivers, Chalk Line, Elec. Drill w/ Bits (Masonry Drill, Bits & Anchors may be required if securing to stone, concrete, or any other masonry unit.), Small Screwdriver (to line up Roof Panels)

- Before You Begin:**
- 1.) Please read all instructions 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). This product is listed under ICBO Evaluation Report #2621P. You may have to submit two copies of your plot plan and also a copy of the evaluation report to your local building authority for a building permit. Contact your local building department for details and your area's snow & wind loads.
 - 3.) Note that this Kit is not designed to carry additional loads such as hanging heavy plants, swings, people, or other objects.



STEP 1

- Drill 1/4" holes in the Awning Rail 12" to 16" apart, or wherever stud is found. NOTE: Screws must hit solid wood.
- Slide the Awning Rail onto the Wall Mounting Channel before mounting to wall.
- Mark a level line approximately 5-1/2" above outswinging door (see Fig. 1-3).
- Apply a generous bead of silicone to the back of the Awning Rail.
- Fasten the Awning Rail and Wall Mounting Channel to the wall using 1/4" x 1 1/2" Lag Screws.
- If Wall Mount is in two or more sections, splice using the provided Wall Mounting Splice Plate. Apply silicone to the top of the Wall Mounting Channel at splice and place the Wall Mounting Splice Plate over the splice. Attach with 4 - 3/4" Tek Screws and remove excess silicone. (see Fig. 1-2)
- After the mounting channel is installed, apply caulk to the hinge to prevent water leaks.

NOTE: Some installations may require special size and length screws

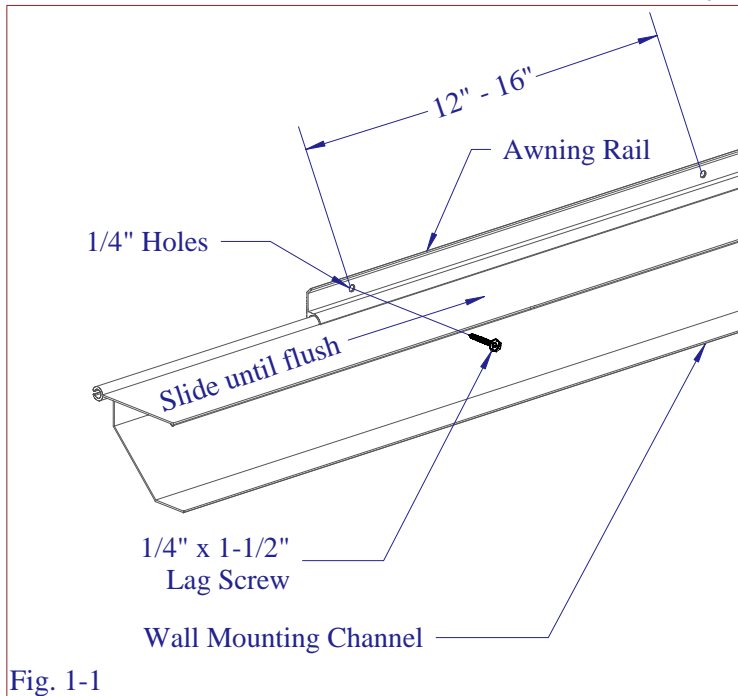


Fig. 1-1

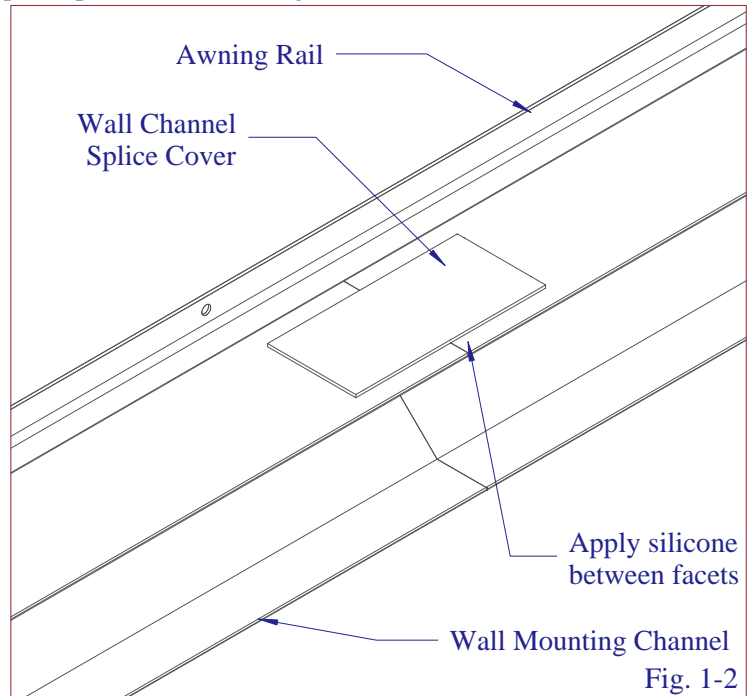


Fig. 1-2

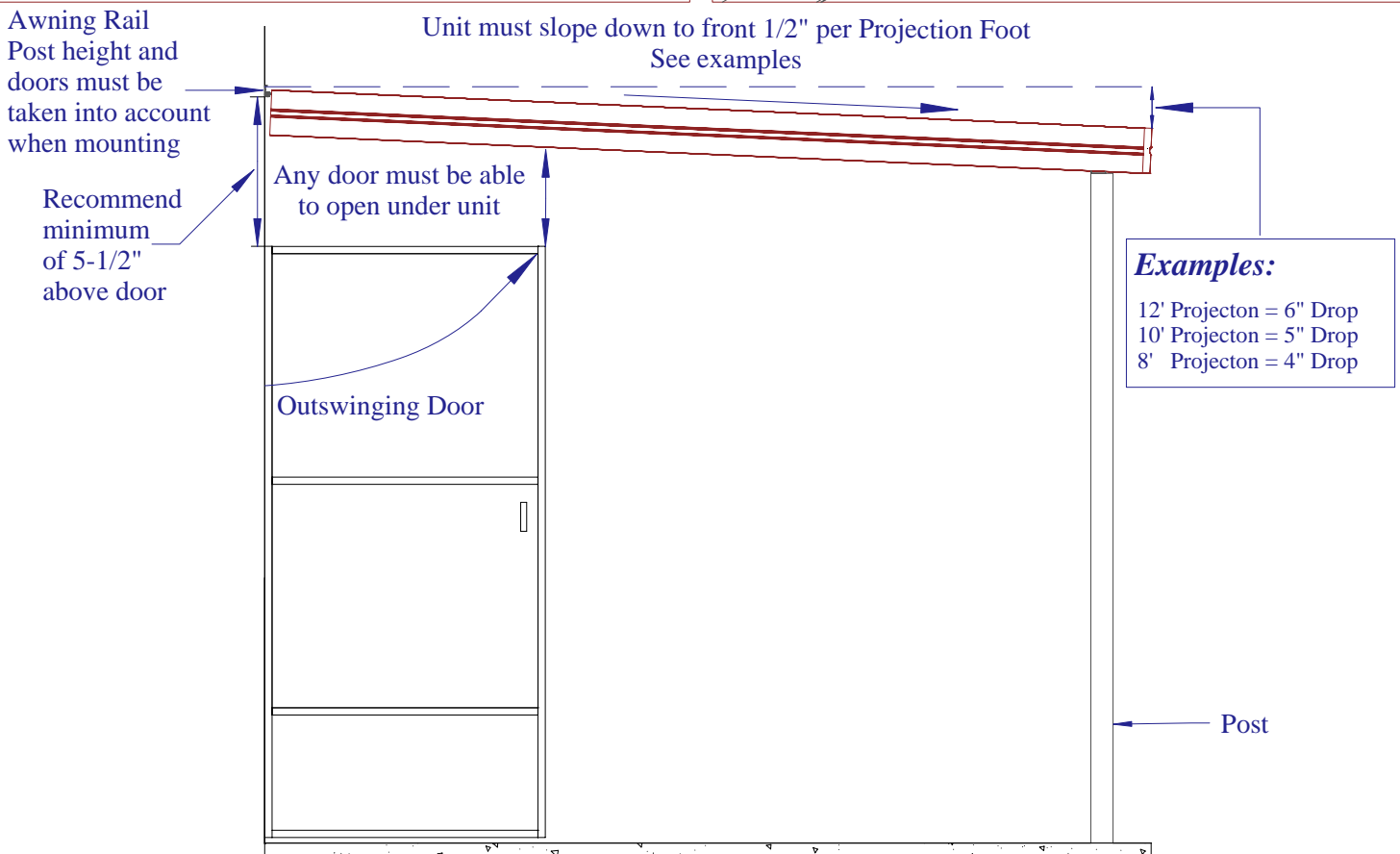
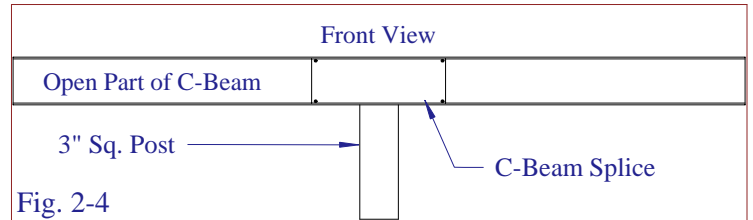
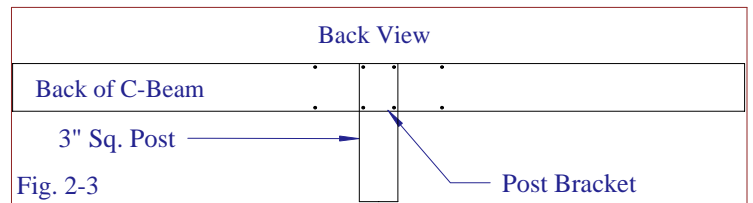
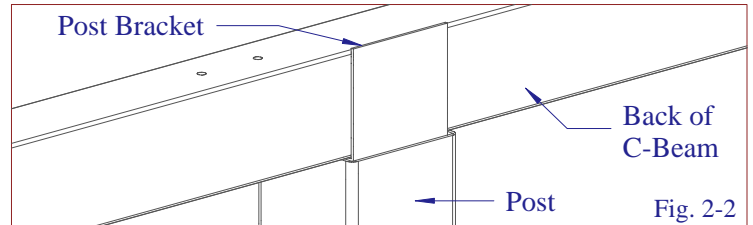
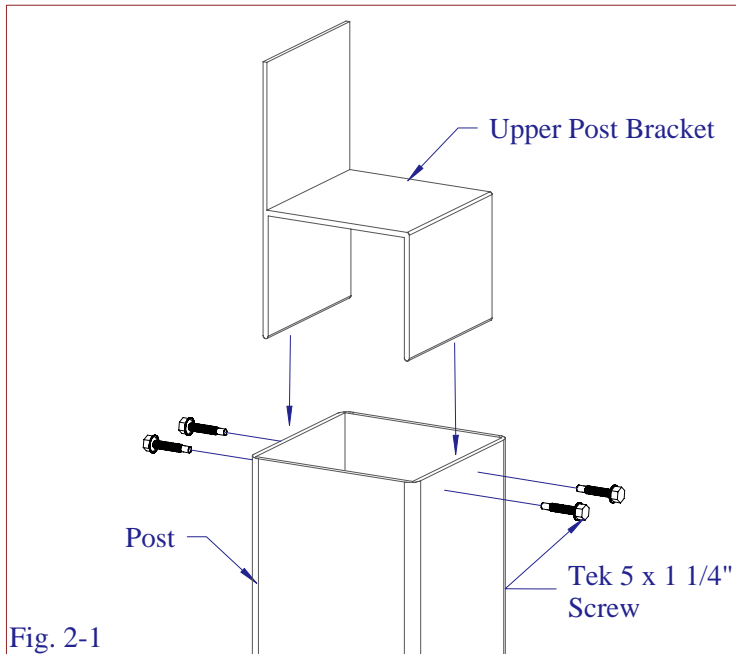


Fig. 1-3

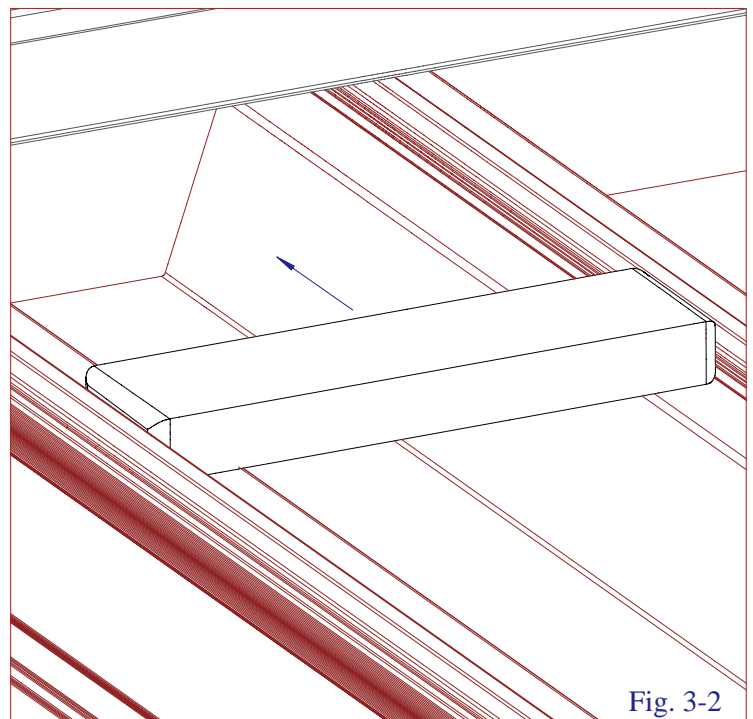
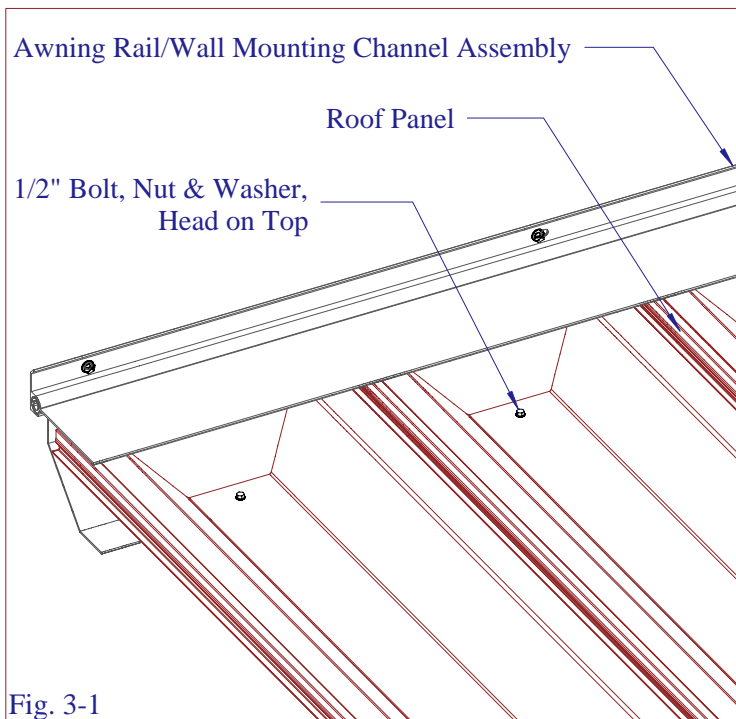
STEP 2

- Attach Upper Post Brackets to 3" Sq. Posts with 2 - Tek 5 x 1 1/4" Screws per side.
- Cut the post to proper height; we recommend front height of the cover should be 1/2" per foot of projection lower than mounting height (see Fig. 1-3). **REMEMBER TO subtract 4" from post height to allow for the C-Beam.**
EX: Need 80" front height, cut post to 76". The 4" C-Beam will sit on top of the post.
- C-Beam (Open part faces away from house) sits in 3-1/2" from each end and sits back 6" from front, standard. Post spacing should be no more than 10' between posts.
- Attach C-Beam to Upper Post Bracket with 4 - Tek 5 x 1 1/4" Screws.
- If C-Beam is in two or more pieces, splice as shown (Fig. 2-3, Fig. 2-4) using 4 - 3/4" Hex Washer Screws. Make sure to place a post under the splice.



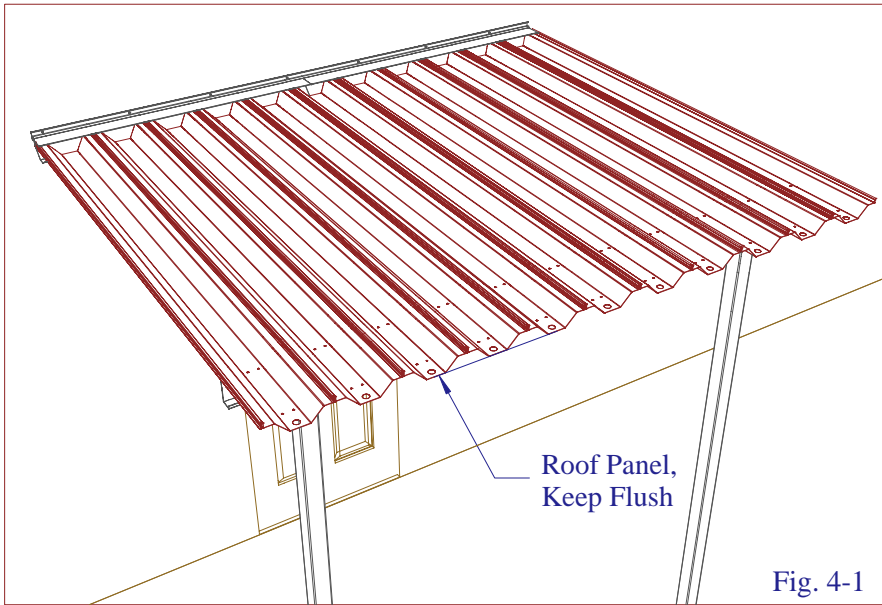
STEP 3

- Attach one Roof Panel to the first hole in the Wall Mounting Channel with 1/2" Bolt, Nut & Washer (see Fig. 3-1).
- Insert Styrofoam Flashing Plug (see Fig. 3-2).



STEP 4

- Place a Roof Panel over the C-Beam and match the holes.
- Use Hex Head 3/4" Lag Screws to attach Roof Panels to the C-Beam through each hole.
- Slide or snap Roof Panels into place.
- After second or third Roof Panel is installed, check the front ends and make sure they are flush with each other; keeping the Roof Panels flush in front will align the cover square with the structure.

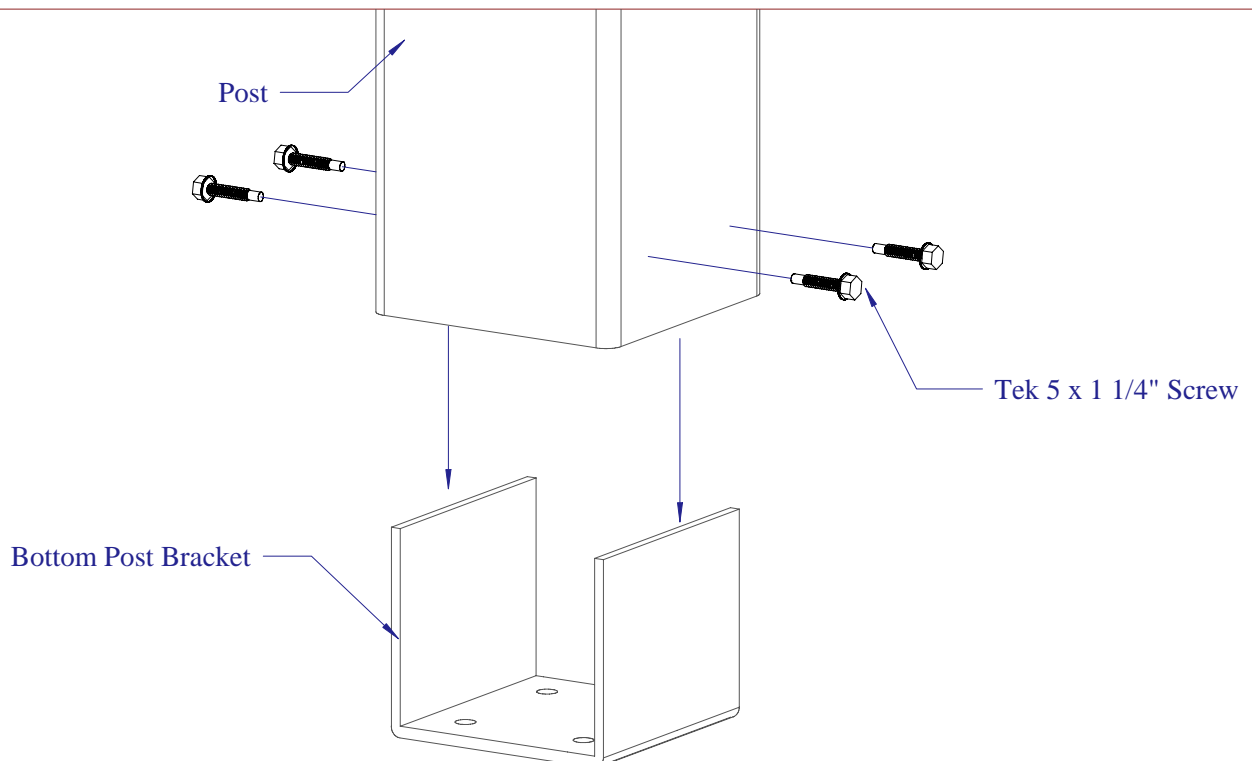


IMPORTANT STEPS TO REMEMBER

- Bolt Roof Panel to Wall Mounting Channel first.
- Insert Flashing Plug
- Place first screw through Roof Panel and C-Beam.
- Slide or snap Roof Panels into position.
- Place second screw through first panel to C-Beam and first screw in next panel to C-Beam.
- Keep Roof Panels flush.

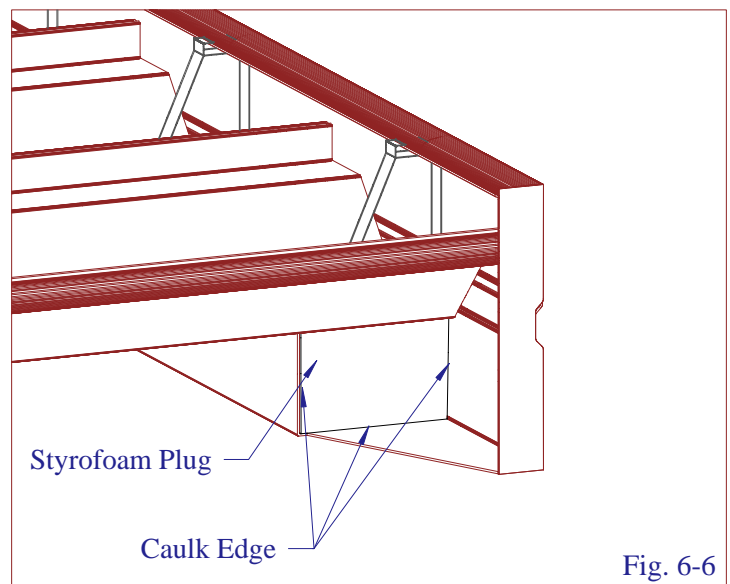
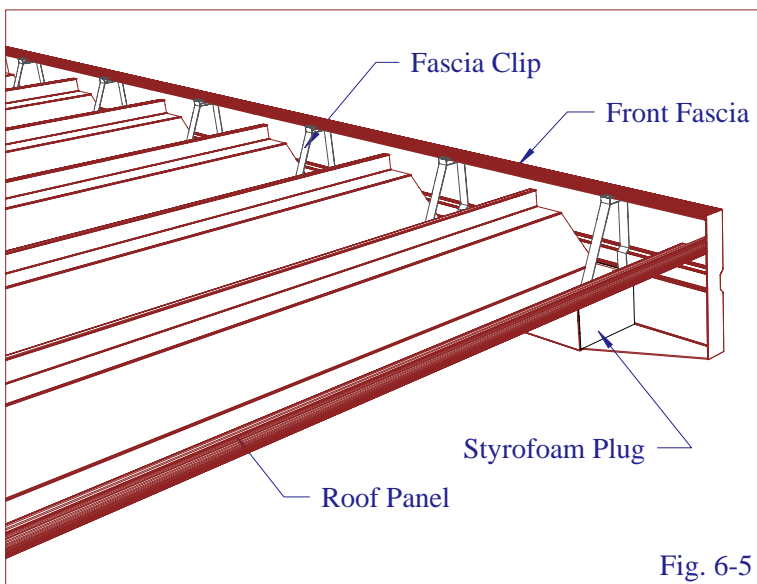
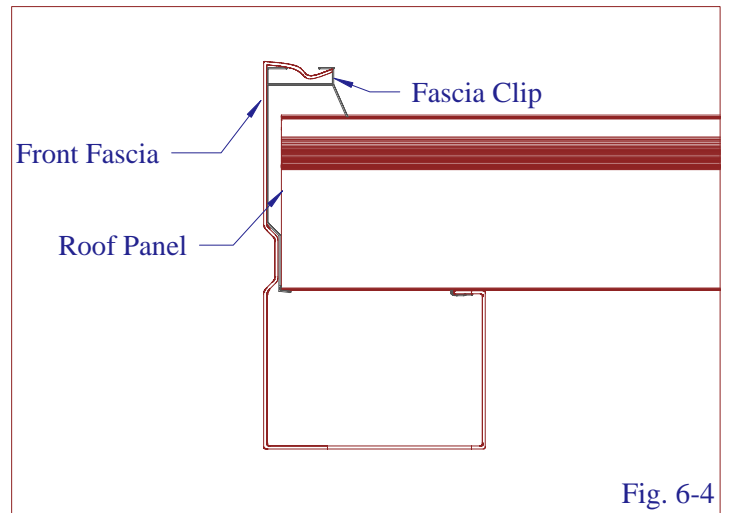
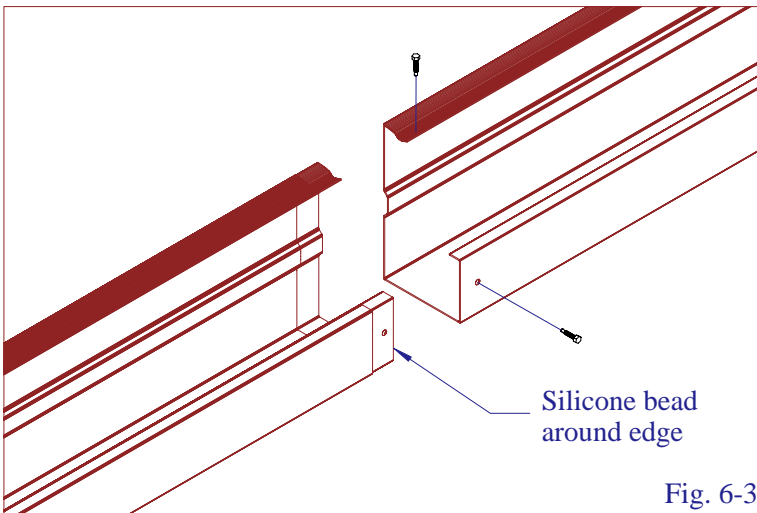
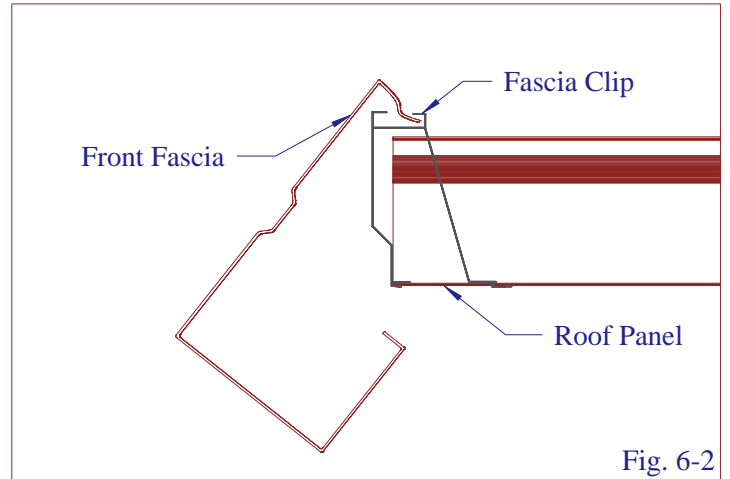
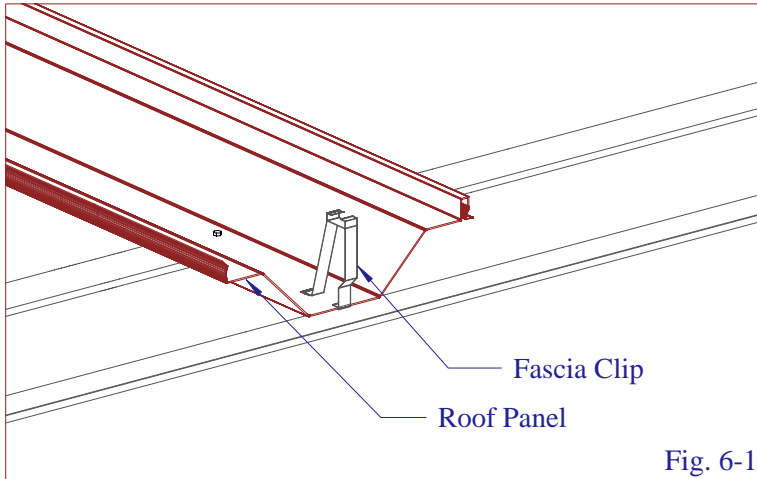
STEP 5

- Attach Lower Post Bracket to deck or slab using included 1 1/2" Lag Screws, 4 per Bracket. Use optional anchors for concrete mounting. If mounting to concrete, a Lag Bolt Insert is required for each Lag Screw.
- Attach Lower Post Bracket to post with 2 - Tek 5 x 1 1/4" Screws per side.



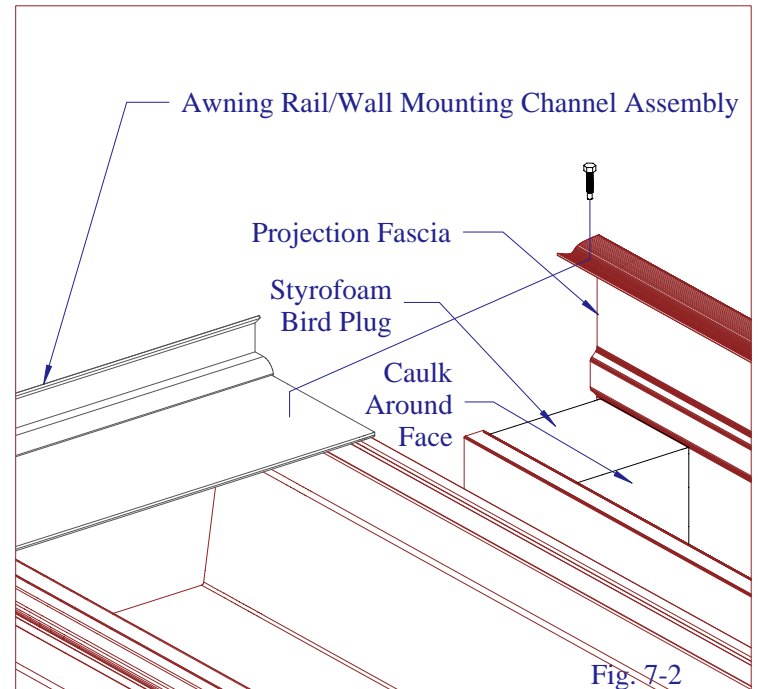
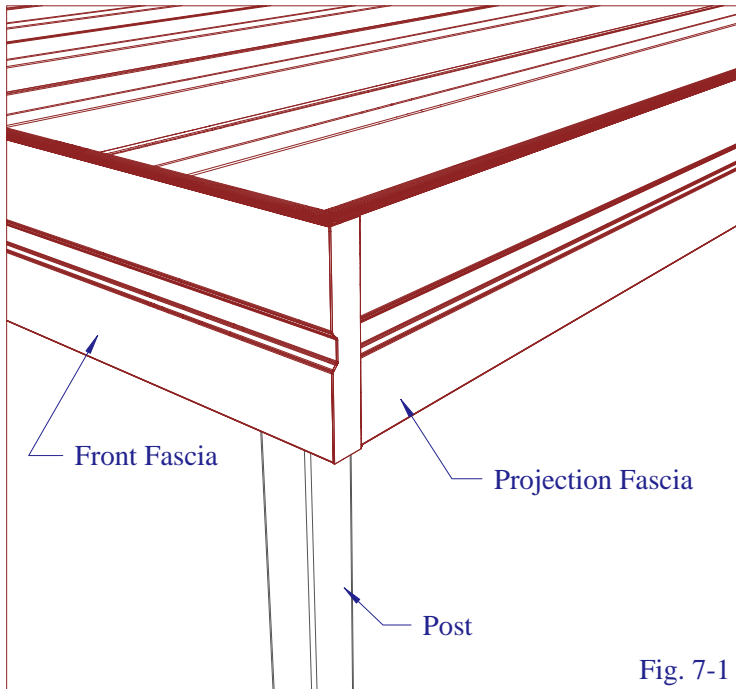
STEP 6

- Install a Fascia Clip on each Roof Panel as shown (see Fig. 6-1).
- Install the Front Fascia on the end with fabricated corner.
- Hook the top lip of the Front Fascia into the Fascia Clip slot (see Fig. 6-2).
- Let it hang loose.
- For the second piece of the Front Fascia, proceed to Fig. 6-3, or if only one piece, proceed to Fig. 6-4.
- (Fig. 6-3) For more than one piece of Front Fascia, caulk and fasten the pieces together using Tek 2 x 3/4" Screws. Install second Front Fascia and continue.
- (Fig. 6-4) Start at one end and lock Front Fascia gutter lip between the bottom of the Roof Panel and the Fascia Clip.
- Make sure the Styrofoam Plugs were not removed from either end of the Front Fascia. Caulk the three sides of the face nearest the fabricated corner to prevent sliding (see Fig. 6-6).



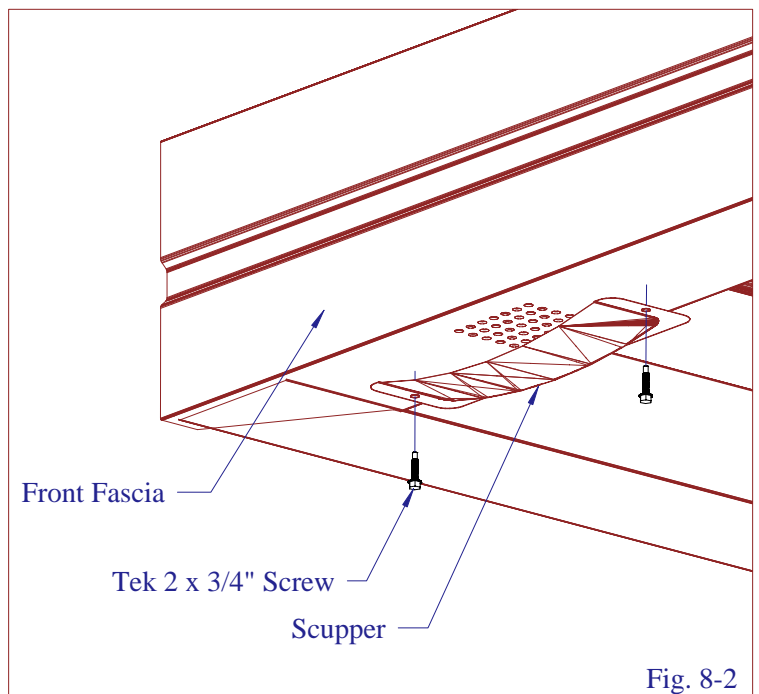
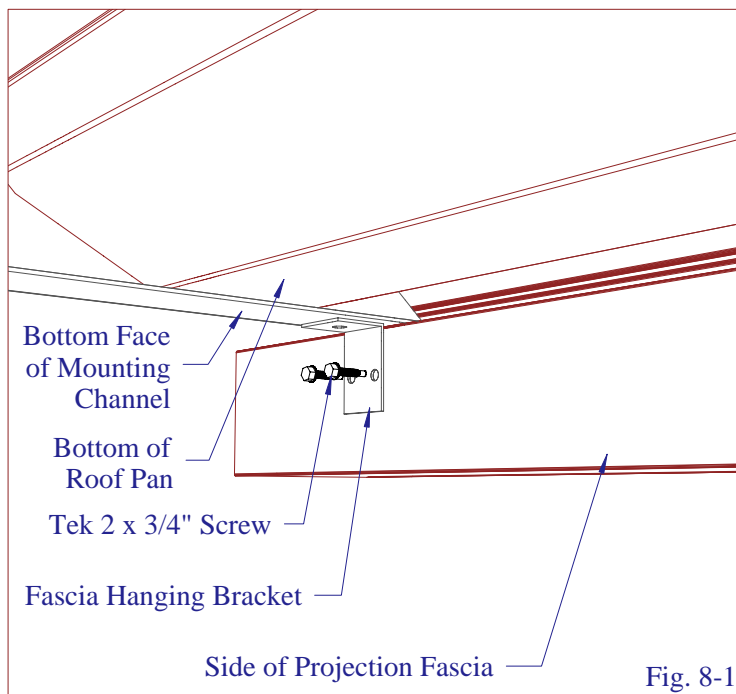
STEP 7

- Make sure the Styrofoam Bird Plug was not removed from one end of both Projection Fascias. Caulk around the inside face.
- Hold the rear end of the Projection Fascia approximately 12" away from the Wall Mounting Channel next to the house.
- Slip the front end of the Projection Fascia inside of the Front Fascia fabricated corner.
- Move the rear end of the Projection Fascia back to the Wall Mounting Channel.
- Place the flat top lip of the Projection Fascia on top of the Wall Mounting Channel.
- Screw the Front Fascia to the Projection Fascia using 4 - Tek 2 x 3/4" Screw.
- Screw the top lip of the Projection Fascia to the Wall Mounting Channel using Tek 2 x 3/4" Screw.



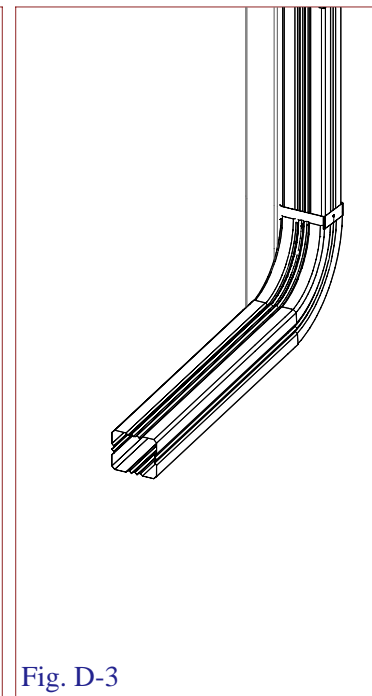
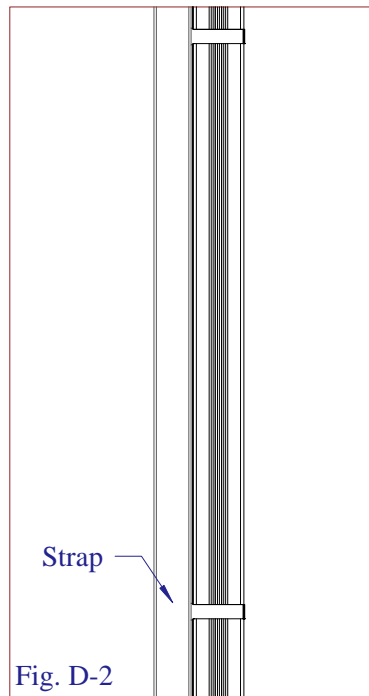
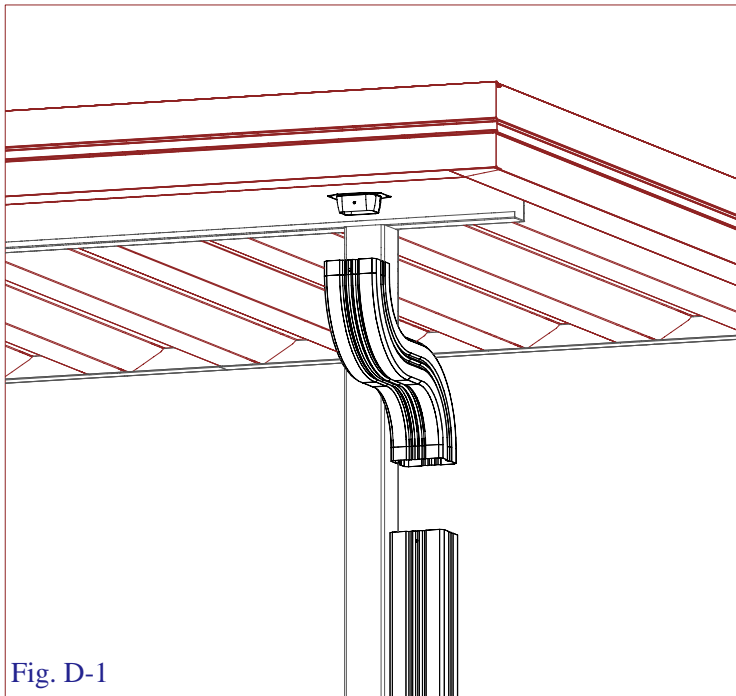
STEP 8

- From underneath, attach Fascia Hanging Bracket to bottom of Mounting Channel and side of Projection Fascia on both sides.
- Determine where you want water to run from the unit. Mark and drill several small holes in the bottom of the Front Fascia forming a pattern no bigger than 2" x 3", or proceed to optional Downspout Assembly.
- Apply silicone to flange of Scupper & attach to Front Fascia with 2 - Tek 2 x 3/4" Screws covering the hole pattern (see Fig. 8-2).

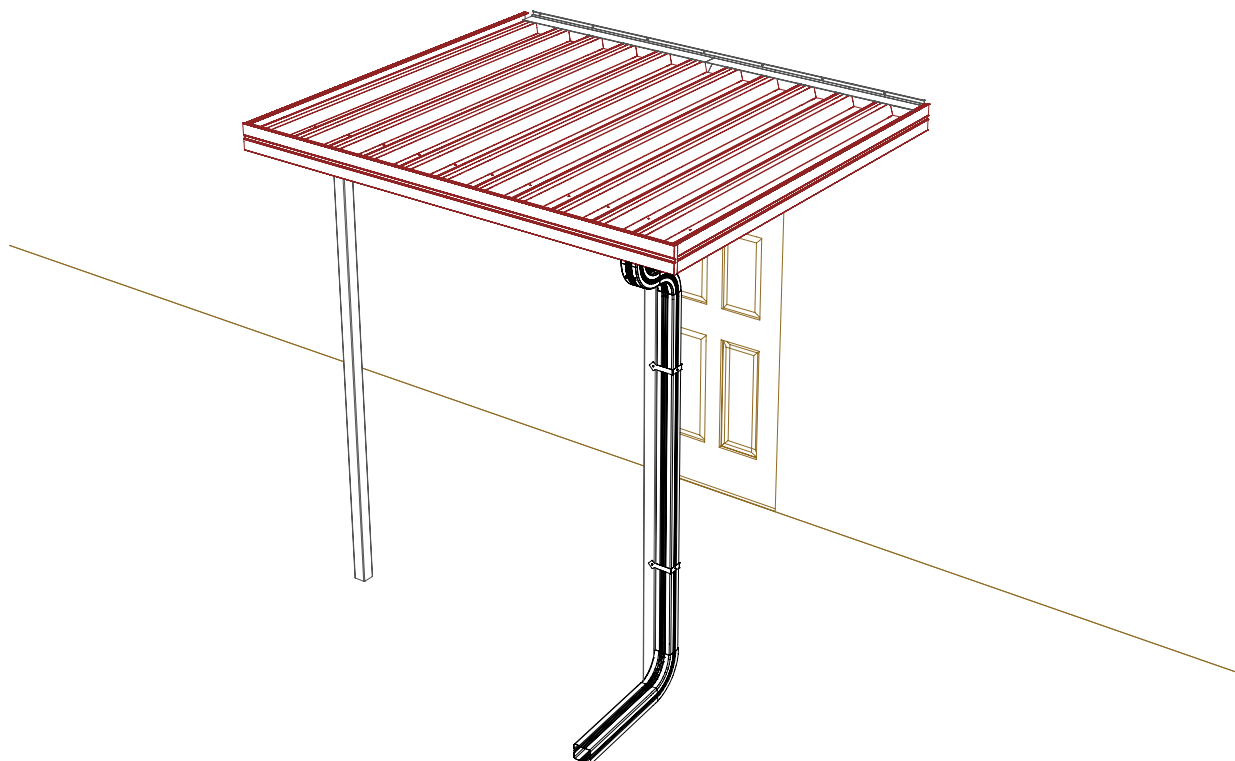


Optional Downspout Assembly

- Cut a hole in the desired location in Front Fascia. Recommended in front of a post.
- Using 3/4" Tek 2 Screws, attach the downspout fitting over the hole in Front Fascia and caulk.
- Attach 2 - 45° elbows to the outlet.
- Cut the downspout to desired length.
- Attach and screw to the top 45° elbow
- Strap the tube to the post.
- Attach 90° elbow to the bottom of the tube.



CONGRATULATIONS! ASSEMBLY COMPLETED



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