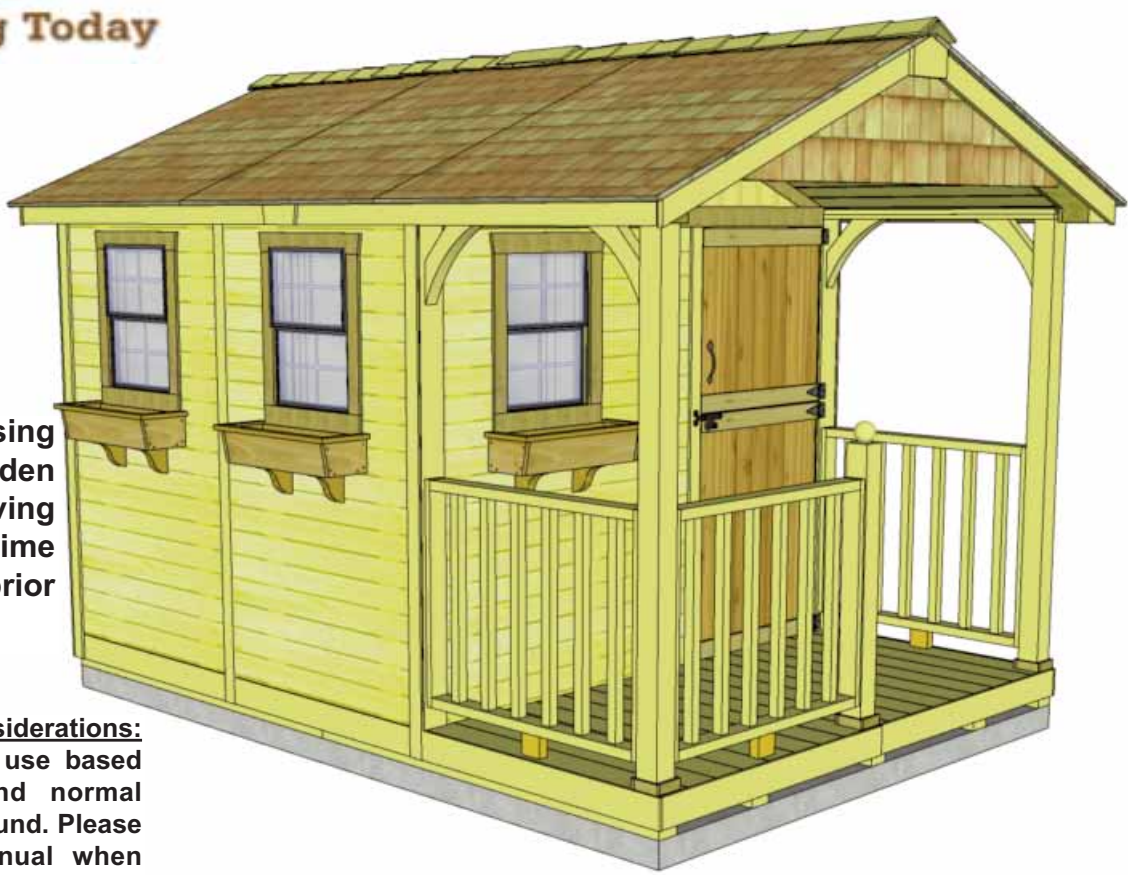
# 8x12 Santa Rosa Assembly Manual

Revision #19
May 30, 2019



**Thank you for purchasing an 8x12 Santa Rosa Garden Shed from Outdoor Living Today. Please take the time to identify all the parts prior to assembly.**

**<u>Safety Points and Other onsiderations:</u>**
**Our products are built for use based on proper installation and normal residential use, on level ground. Please follow the instruction manual when building your Santa Rosa and retain the manual for future maintenance purposes.**

**Some of the safety and usage measures you may wish to consider include:**

**-snow load ratings vary by geographical location. If heavy or wet snowfall occurs, it is advisable to sweep the snow off the roof(s).**
**-if the product is elevated, any structural and building code requirements are solely the customer's responsibility, and should be abided by.**
**-in high or gusty wind conditions it is advisable to keep the structure securely grounded.**
**-have a regular maintenance plan to ensure screws, doors, windows and parts are tight.**

**Customer agrees to hold Outdoor Living Today Partnership and any Authorized Dealers free of any liability for improper installation, maintenance and repair.**

**In the event of a missing or broken piece, simply call the Outdoor Living Today Customer Support Line @ 1-888-658-1658 within 30 days of the delivery of your purchase. It is our commitment to you to courier replacement parts, free of charge, within 10 business days of this notification. Replacement parts will not be provided free of charge after the 30 day grace period.**

**Thank you for purchasing our 8x12 Santa Rosa Garden Shed.**
**Please take the time to identify all the parts prior to assembly.**

# Parts List:

## A. Floor Section

3 - 45 7/16" x 75" - Floor Joist Frames - Large
3 - 45 7/16" x 21" - Floor Joist Frames - Small
2 - 45 3/8" x 74 7/8" - Plywood Floor - Large
2 - 45 3/8" x 20 7/8" - Plywood Floor - Small
7 - 1 1/2" x 3 1/2" x 71 3/4" - Floor Joists
1 - 1 1/2" x 3 1/2" x 18" - Short Floor Joist
17 - 1" x 5 1/2" x 44 3/4" - Deck Boards for Porch
10 - 1 1/2" x 3 1/2" x 68 3/16" - Floor Runners

## B. Wall Section

4 - 45 1/2" x 75" - Wall Panels - Bottom Wall Plates Unattached
4 - 1 5/8" x 2 1/2" x 45 1/2" - Bottom Plates
3 - 45 1/2" x 75" - Window Wall Panels
1 - 12" x 73" - Narrow Porch Wall Panel
3 - Functional Window Inserts
3 - Window Trim Pkgs - (1pc - 24 1/16" angle cut / 3pcs - 23" straight cut)

**Door, Door Jambs & Header**
1 - 1 1/2" x 3" x 73" - Door Jamb
1 - 2" x 3" x 45 1/2" - Door Header
1 - 31 1/2" x 42" - Bottom Door
1 - 31 1/2" x 30" - Top Door
2 - 1/2" x 2 1/2" x 72" - Interior Vertical Door Stops
1 - 1/2" x 2 1/2" x 35 1/4" - Interior Top Horizontal Door Stop

**Gable Walls**
2 - Rear Gable Walls - Triangular Shaped with Designer Shingles
2 - Middle Gable Walls - Triangular Shaped with Siding flush to frame
1 - Front Triangular Gusset Gable - Shingles

**Top Wall Plates**
3 - 3/4" x 2 1/2" x 32" - Rear Top Plates -
(2 pieces Angle cut on end, 1 piece straight cut both ends)
2 - 3/4" x 2 1/2" x 72" & 19" - Front Top Plates - Straight cut on ends
4 - 3/4" x 2 1/2" x 66 3/4" - Side Top Plates - Angle cut on edge length

## C & D. Rafter and Roof Section

18 - 1 1/2" x 3 1/2" x 56 1/2" - Rafters (angle cut)
2 - 3/4" x 4 1/2" x 52 1/2" - Ridge Boards
2 - 3/4" x 4 1/2" x 84" - Ridge Boards
2 - 1/16" x 3" x 7" - Metal Ridge Board Connectors
4 - 1/2" x 4 1/2" x 68 1/4" - Soffits (Both Sides)
2 - 3/4" x 3 1/2" x 72" - Roof Gussets - (angle cut on ends)

**Roof Panels**
2 - Outside Right Roof Panels (Shingles overhang roof plywood on 1 side)
2 - Outside Left Roof Panels (Shingles overhang roof plywood on 1 side)
2 - Middle Roof Panel (Shingles flush with roof plywood on sides)

**Porch Section**
2 - 3 1/2" x 3 1/2" x 73 7/8" - Long Porch Posts
1 - 3 1/2" x 3 1/2" x 42" - Short Deck Post plus Ball Top
3 - Hand Rail Sections
2 - 3/4" x 3 1/2" x 45" - Front Porch Extensions
2 - 1" x 4 1/2" x 73 7/8" - Front Wall Trim/Supports (rabbeted edge)
4 - Corner Brackets
12 - Post Base Trims - 1/2" x 1 1/2" x 4"
3 - Handrail Support Blocks - 1 1/2" x 3 1/2" x 3 1/2"
2 - 1/2" x 44 1/2" x 48 1/2" - Porch Ceiling Panels
2 - 3/4" x 1" x 45" - Porch Ceiling Support Strips (edge cut)
1 - 3/4" x 1" x 32" - Doorway Floor Transition Strip (edge cut)

## E. Miscellaneous Section

**Ridge Caps**
22 - Cedar Roof Ridge Caps (1 Ridge Cap shorter)

**Bottom Skirting**
2 - 1/2" x 4 1/2" x 48" - Front Bottom Skirting
8 - 1/2" x 4 1/2" x 45 1/4" - Side and Rear Bottom Skirting

**Corner & Sidewall Trim**
6 - 1/2" x 2 1/2" x 79" - Narrow Trim
1 - 1/2" x 2 1/2" x 75" - Ream Seam Trim
2 - 1/2" x 2 1/2" x 75" - Rear Filler Trim
2 - 1/2" x 4 1/2" x 82" - Rear Wide Corner Trim
2 - 1/2" x 3 1/2" x 44" - Horizontal Above Door Trim
1 - 1/2" x 2 1/2" x 72" - Porch Trim
1 - 1/2" x 2 1/2" x 72" - Door Trim
2 - 1/2" x 2 1/2" x 45 7/8" - Porch Roof Seam Trim - Angle cut ends

**Facia Trim**
4 - 3/4" x 3 1/2" x 58" - Front & Rear Facia - Angle cut on ends
4 - 3/4" x 3 1/2" x 71 3/4" - Side Facia
4 - 3/4" x 2 1/2" x 48" - Roof Nailing Strips

**Filler Shingles (5 1/2" wide)**
16 pcs - Long Filler Shingles (16" long)
4 pcs - Short Filler Shingles (7 1/4" long)
2 pcs - Rear Gable Filler Shingles (1-16" long / 1 - 7 1/2" long)

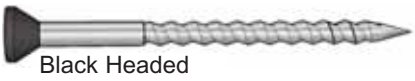
**Misc. Pieces**
3 - Flower Boxes
3 - Facia / Trim Detail Plates
2 - Pentagon Detail Plates
1 - Small Porch Detail Plate
2 - 1/2" x 5 1/2" x 23 1/4" - Front Post Detail Covers
1 pc - Spare Wall Siding
2 pcs - Spare Shingles- use to shim door, etc

**Advice:** Wood has a tendancy to split when screwing near the ends of a board. To prevent splitting, it is always recommended to pre-drill pilot holes before screwing into these areas.

# 8x12 SANTA ROSA HARDWARE SHEET

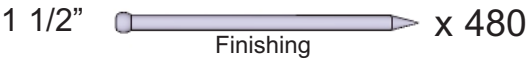
## Hardware Kit (Provided)












Tee Hinge x4


Pull Handle


90° Metal Bracket x 4


Single Rafter Bracket x 4


Double Rafter Bracket x 2


Interior Barrel Bolt


Black Barrel Bolt


Ridge Board Connector x 2

## Tools Required (Not Provided)


Hammer


Screw Gun/Drill

Tape Measure


Wood Clamp


1/8” Drill Bits


Level


Pliers


Ladder

## Safety Equipment Required (Not Provided)


Safety Glasses


Work Gloves

# What Can I Do Before My Shed Arrives?

Before starting your project become familiar with this assembly manual and determine if you can complete the project yourself or will require a professional contractor. Please note that certain counties and municipalities require building permits prior to installation. We recommend to all consumers that they check with their local county/municipality for these specifics prior to purchasing any of our products since this is your sole responsibility.

Prior to the product arriving, clear the construction area. Remove all debris; roots, grass, rocks, etc. Make sure the ground slopes away from the site at least 10 feet in all directions. If necessary, build up the soil in the center of the site and slope away for the high point to provide drainage. Fill in any low spots within the perimeter of the site. A slope of 1/8 inch per foot is enough to prevent water accumulation. We recommend excavating the site 4-6 inches deep and laying gravel or crushed rock where drainage may be a concern.

## What type of foundation should I use?

***Patio Stone Foundation :*** If the ground is stable and has sufficient drainage, you can set patio stones directly on firm compacted soil. If not, consider laying down sand and then gravel or crushed rock. Excavate the site making it about 12" wider and longer than the floor footprint. Excavate down approximately 4-6 inches deep. Lay 1-2 inches of sand first and then fill with 3-4 inches of gravel or rock for good drainage and support. Most of our sheds and playhouses include floors with support runners. Support each runner with 4-5 patio stones (less for smaller sheds). Patio stones can be anything from a mid size brick to a round our square 12" long by 1 1/2" thick stone. Place stones directly under the floor runners, check for level and adjust height as necessary. Having a solid and level foundation is the most critical piece of work you can do to make the project go smoothly. Most of this work can be done prior to your shed arriving!

***4x4 Pressure Treated Beam Foundation :*** You can build directly on pressure-treated beams or railroad ties laid on a properly prepared construction site as mentioned above. Run beams perpendicular to floor runners. Use a 2x4 straight piece of lumber on edge and a carpenter's level to position correctly. To prevent the beams from shifting, secure them with ½ inch rebar inserted through holes drilled in the beams and driven 3 to 4 feet into the ground. Leave each side or end of the foundation open to promote drainage and air circulation beneath the floor. Consider using a wire mesh or equivalent to prevent pesky critters from gaining access on ends.

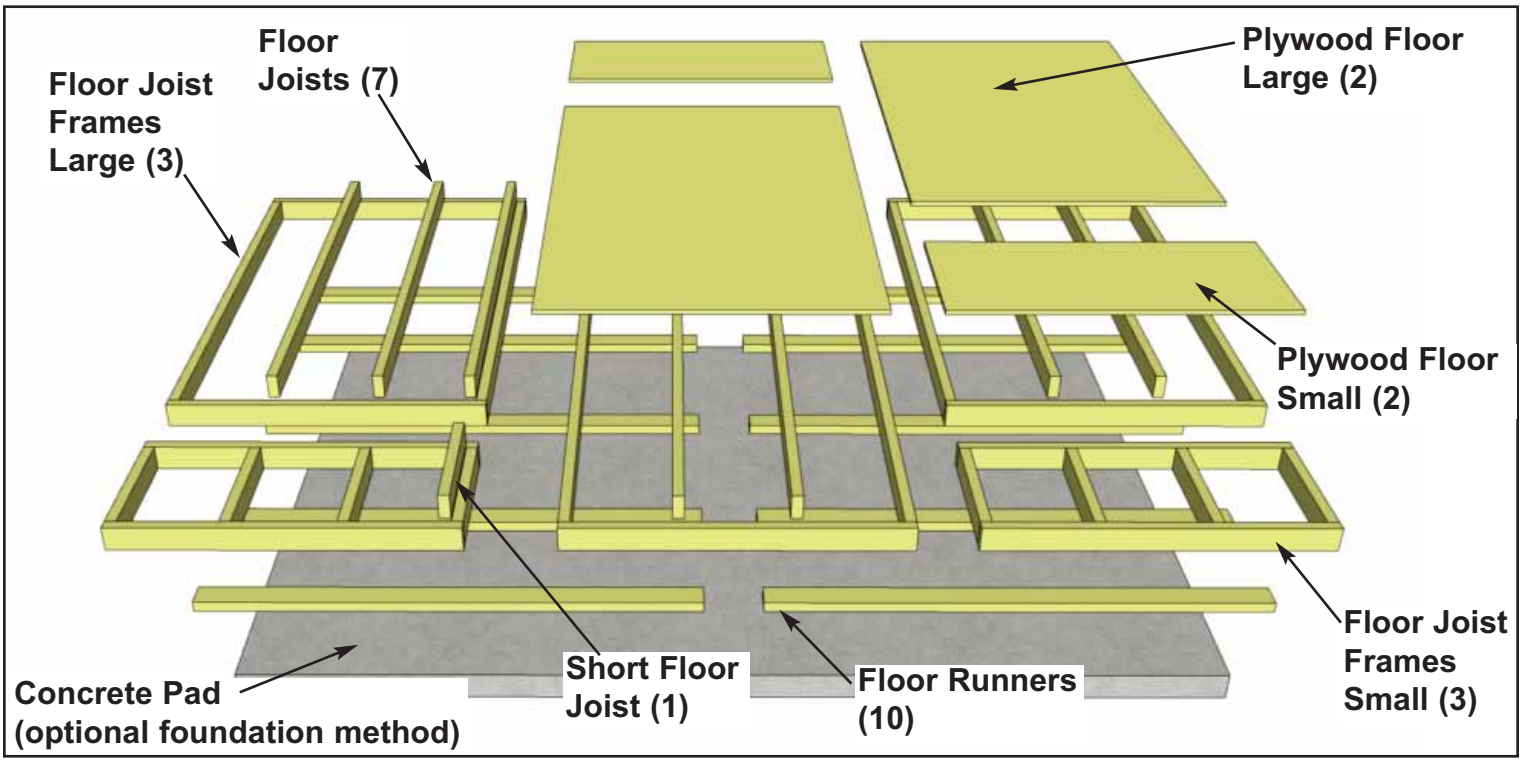
***Concrete - Slab Foundation :*** Typically a slab 3-4 inches thick laid over a sub-base of 4 inches of gravel or crushed rock is sufficient but may vary depending on your geographic location. Using either mix your own concrete or having it delivered by truck, ready to pour, depends on how much time and effort you have to dedicate to the project. In any event, make sure you excavate the slab area to a depth 6 inches. This would put the finished slab surface approximately 2 inches above ground (remember you will be using 4 inches of gravel as your subbase). For example, a slab for our 8'x12' SpaceMaker Shed will require approximately 1 cubic yard of premixed concrete.

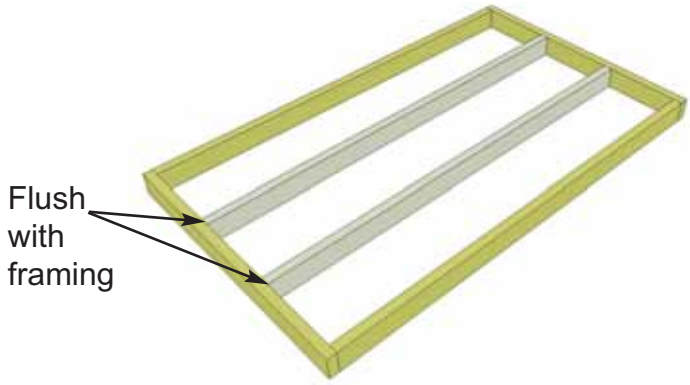
For more detailed information on how to pour your concrete-slab foundation or any other questions regarding specifications, foundations and permits, please visit our website at **www.outdoorlivingtoday.com** or call our Customer Support Line at **1-888-658-1658** to speak with a Product Representative.

* Please note that all measurements in our Detailed Assembly Manuals may be subject to change without notice. Please confirm exact foundation size with Outdoor Living Today if you have any concerns or questions.

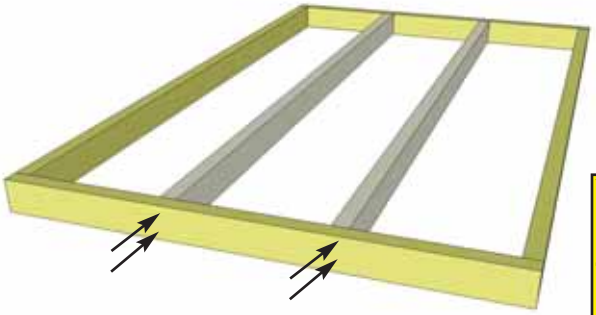
# A. Floor Section

**Exploded view of all parts necessary to complete Floor Section. Identify all parts prior to starting. Note: Floor Footprint is 136 1/2" deep x 96" wide.**



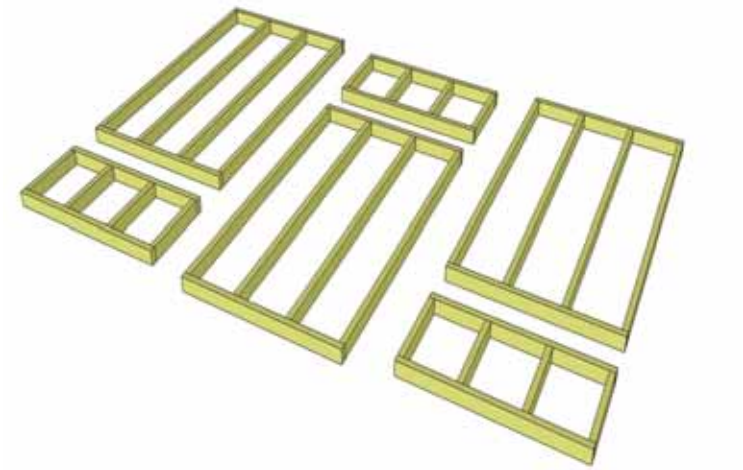




**1.** Lay out **Large Floor Joist Frame** and **2 Floor Joists** (1 1/2" x 3 1/2" x 71 3/4") as illustrated above. Position Joists equally in Floor Joist Frame. Use **Small Floor Joist Frame** as a template to determine joist position. Position Joist so flush with framing.

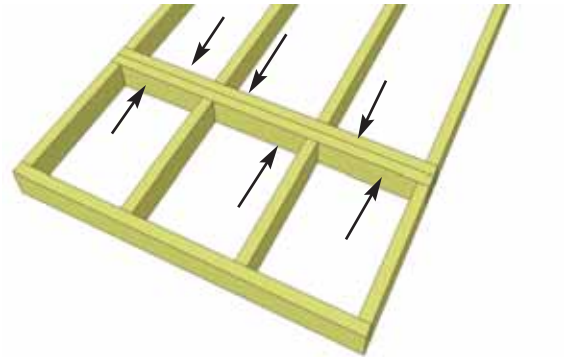


**You can find the Square Drive Bit for the screws in with the Hardware Kit Bag.**

**2.** When correctly positioned, attach each Joist with 4 - 2 1/2" screws (2 per end). **You can find the Square Drive Screw Bit in the Hardware Kit Bag.**

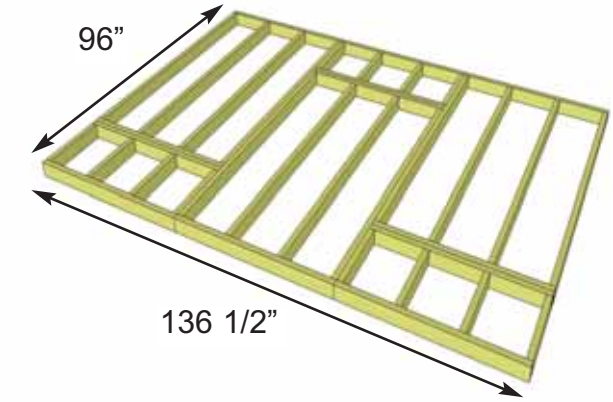


**3.** Lay out **Floor Joist Frames** as illustrated. There are 3 larger and 3 smaller Frame Sections. The Footprint for the floor when attached together will be 136 1/2” Deep x 96” Wide.



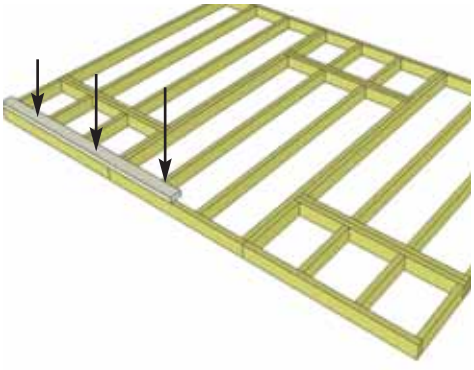
**4.** Attach each large and small floor joist frames together with 6 - 2 1/2” screws per section.

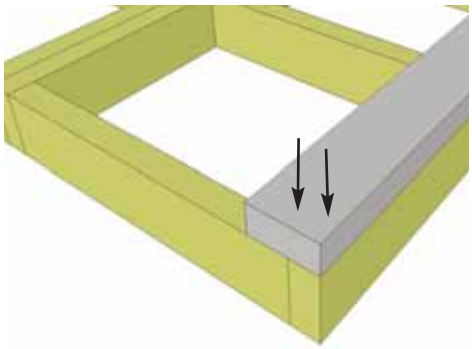
**5.** Complete all large and small frame attachments. Screw each completed section together with 8 - 2 1/2” screws.




**6.** When completed, your floor footprint should be 136 1/2” Deep x 96” Wide.

**Material used for Floor Runners are not graded for appearance. Some defect is allowed.**



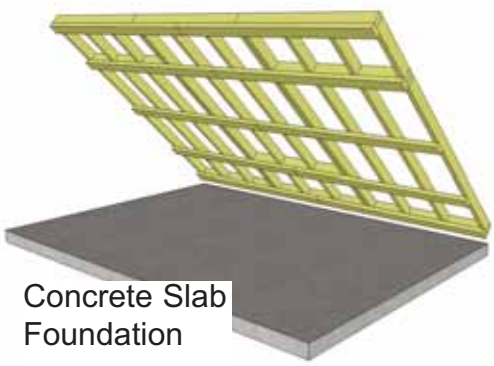


**7.** Attach **Floor Runners** (1 1/2” x 3 1/2” x 68 3/16”) to completed floor frame. There are 2 floor runners per 136 1/2” side and 5 completed runners in total. Use 6 - 2 1/2” screws per completed Runner.

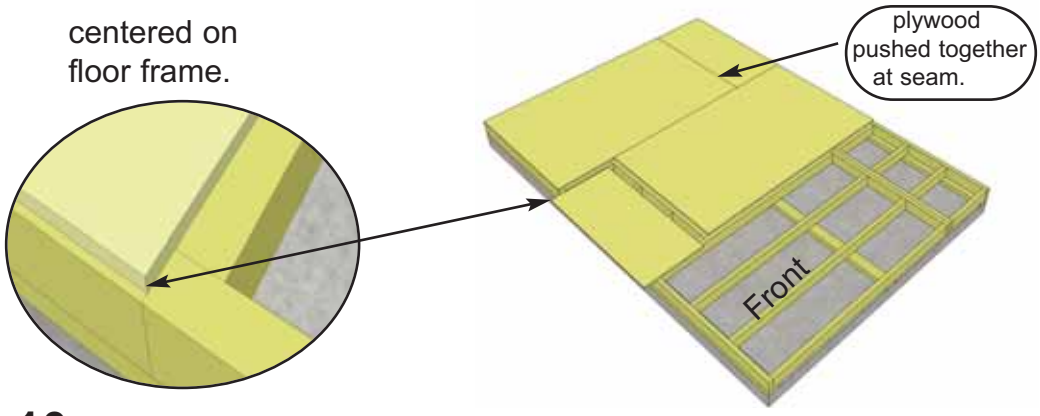
**8.** Make sure Runners are flush with outside and front and rear floor framing but not overhanging.

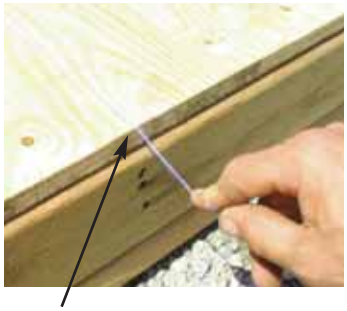
**Note:** The floor will be flipped over and floor runners will sit on your foundation. It is important to note that having a level foundation is critical. Choosing a foundation will vary between regions. Typical foundations can be concrete pads or patio stones positioned underneath the floor runners.

**9.** With Floor Runners attached, carefully flip the floor over and place on your foundation. **Caution:** you will need 2 people to assist you. Be careful when laying floor down not to bend or twist it. When in place, level floor completely.



Concrete Slab Foundation

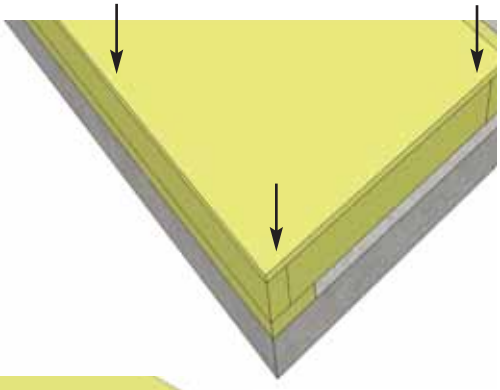


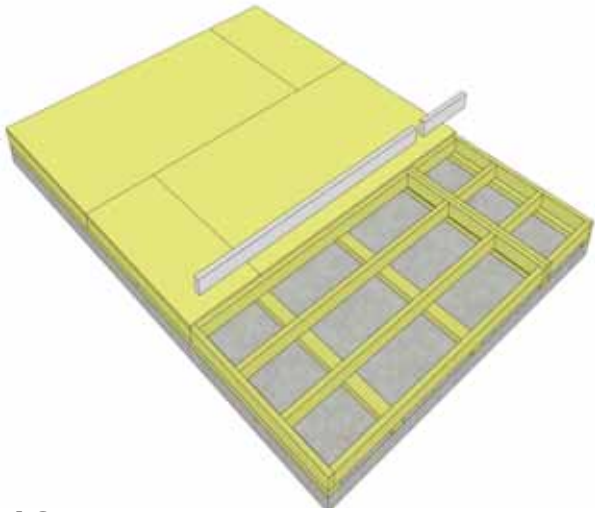



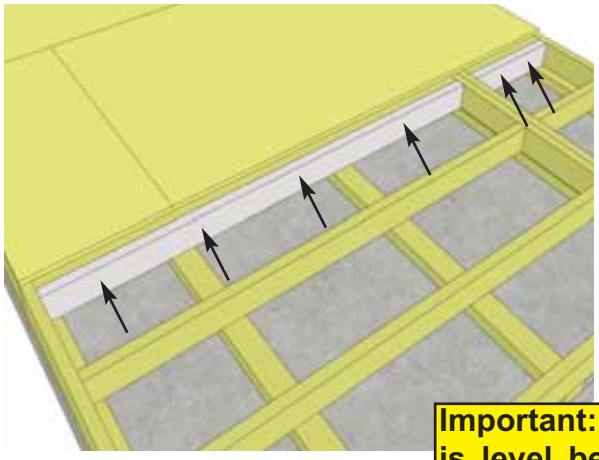
**Hint:** Use a chalk line to mark location of floor joists to determine screw placement.

**10.** Position **Plywood Floor** pieces (4) on top of completed floor joists. Plywood will sit slightly back from outside edge of Floor Joist Framing.

**11.** When in correct position, attach with 1 1/4" screws. Use screws every 16". The Plywood is cut slightly smaller than floor framing. Keep plywood seams tight.





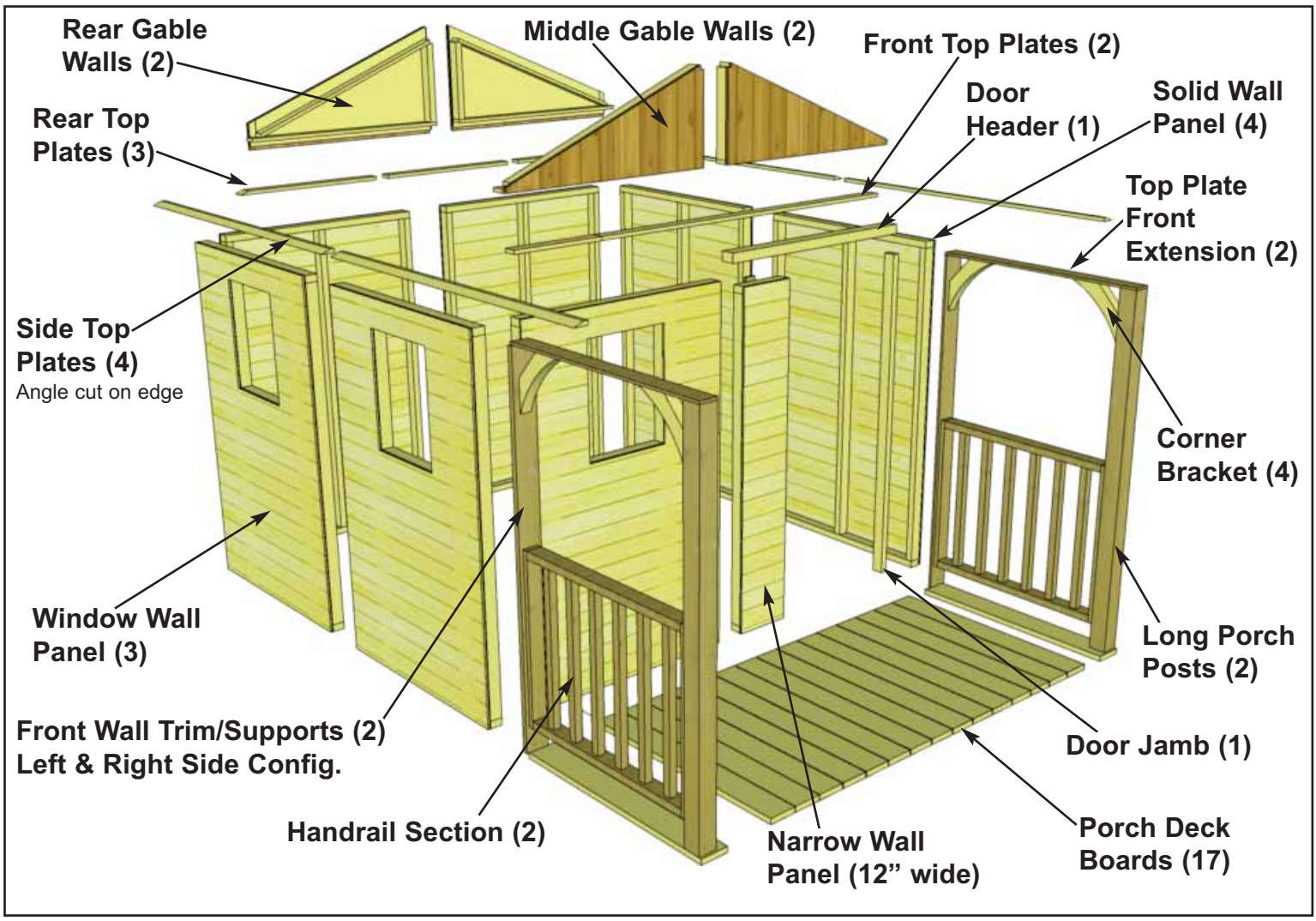


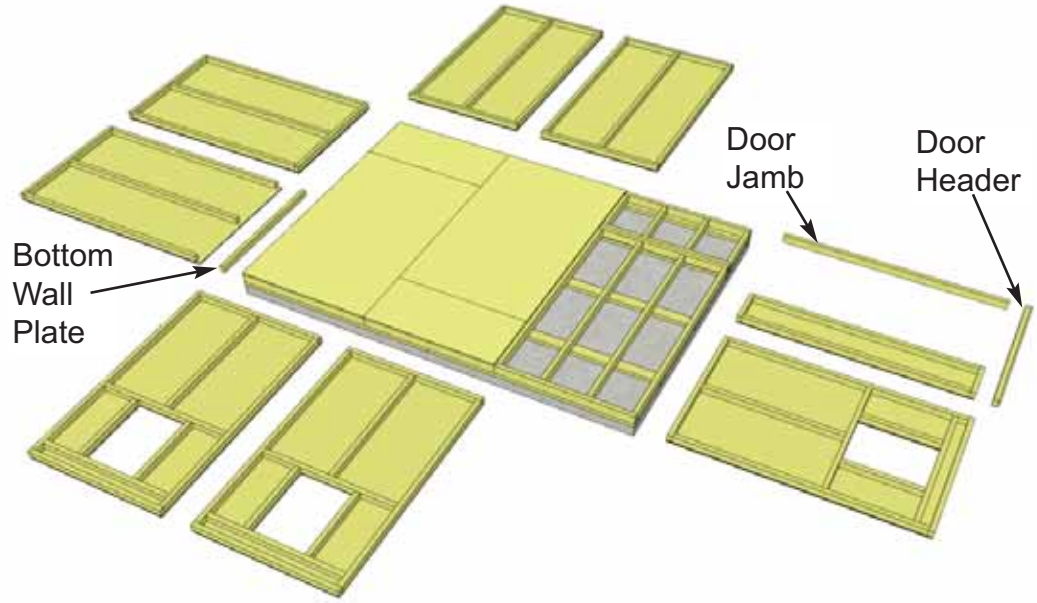
**12.** Place remaining 71 3/4" **Floor Joist** and 18" **Short Floor Joist** in floor cavity. Attach to floor frame with 4 - 2 1/2" screws for the long joist and 2 - 2 1/2" screws for the short joist. These extra joists will make a larger attachment surface for the patio deck boards in **Step 24**.

**Important: Make sure floor is level before moving on to wall section. Use a level to confirm and shim floor joists as required.**

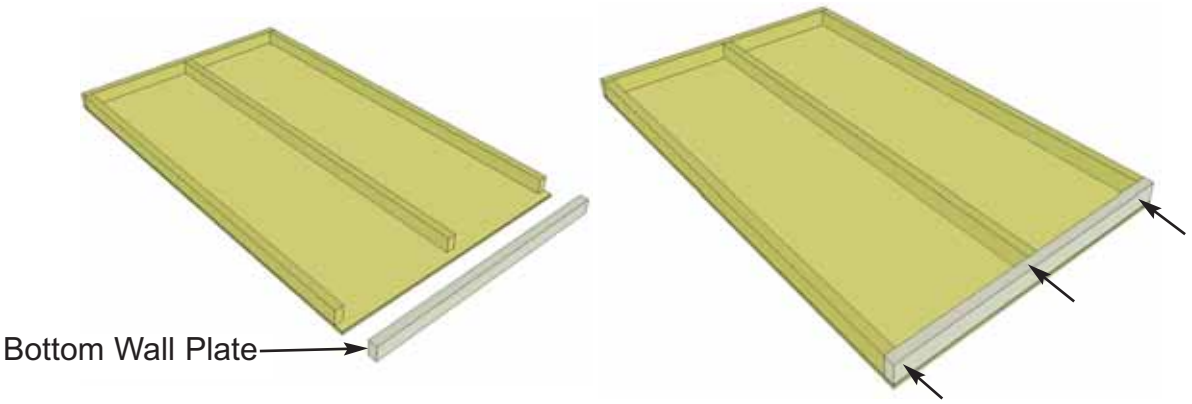
# B. Wall Section

**Exploded view of all parts necessary to complete the Wall Section. Identify all parts prior to starting.**



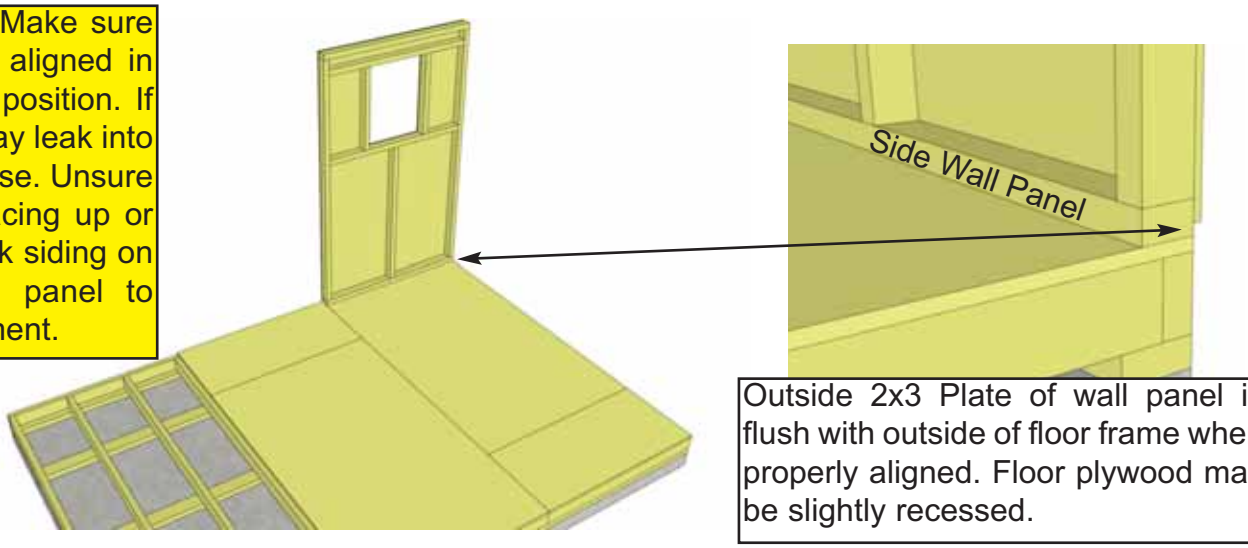




**13.** Lay out all the wall panels and become familiar with their location. On Standard Kits, there are **3 Window Wall Panels, 4 Solid Wall Panels,** and **1 Narrow Porch Wall Panel.** Make sure to position panels right side up so water is directed away from and not into shed. Look at window wall panels to determine proper wall orientation.




**14.** Starting with All **Solid Wall Panels**, carefully lay panel face down. Position and attach **Bottom Wall Plates** (1 5/8" x 2 1/2" x 45 1/2") to bottom of wall studs of each wall panel with 3 - 2 1/2" screws. Position so Wall Plates are flush with framing.

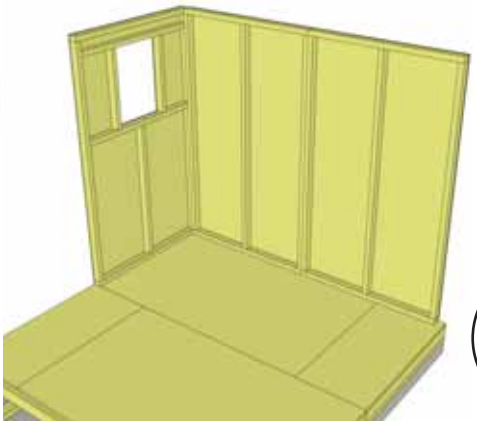
**Important:** Make sure all walls are aligned in their upright position. If not, water may leak into your playhouse. Unsure if panel is facing up or down? check siding on window wall panel to match alignment.

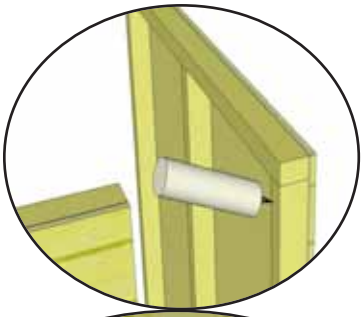



Outside 2x3 Plate of wall panel is flush with outside of floor frame when properly aligned. Floor plywood may be slightly recessed.

**15.** Starting at Rear Corner, position a Wall Panel on top of plywood floor. Depending on your preference, you may use a solid or window wall panel in this position. If using a solid wall, make sure panel is facing up. Side Wall panels will sit flush to the end of the plywood floor with the Rear Wall panels sandwiched between them. Position the side wall panel so the wall framing is flush with the floor framing. Floor plywood will be flush or slightly recessed from the wall/floor framing. **Note:** Wall Siding will not be flush with floor frame, it will overhang by approximately 1/2".

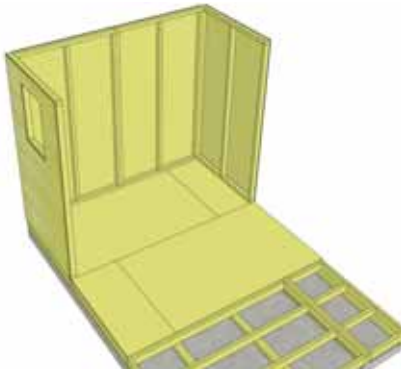

**Do Not Attach Walls To Floor Until Step 26.**

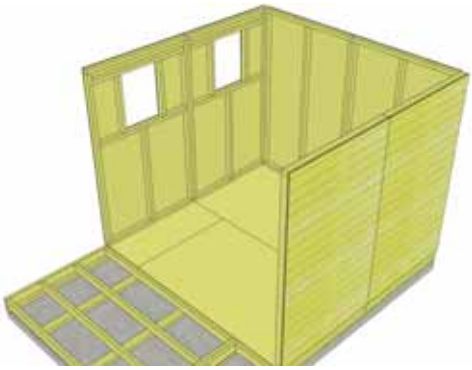




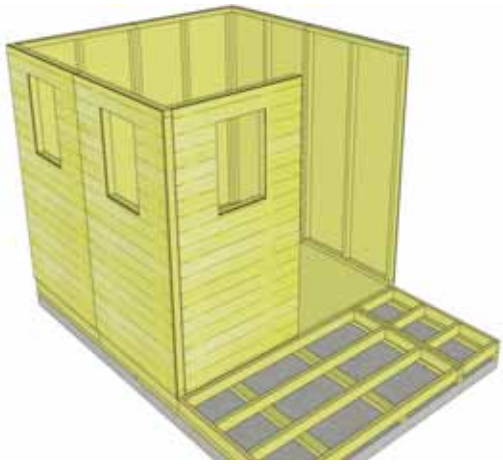

**16.** Position rear corner wall into place and attach together with 3 - 2 1/2" screws. Screw at the top, middle and bottom of 2x3 stud. Start positioning adjacent wall panels and fastening together.

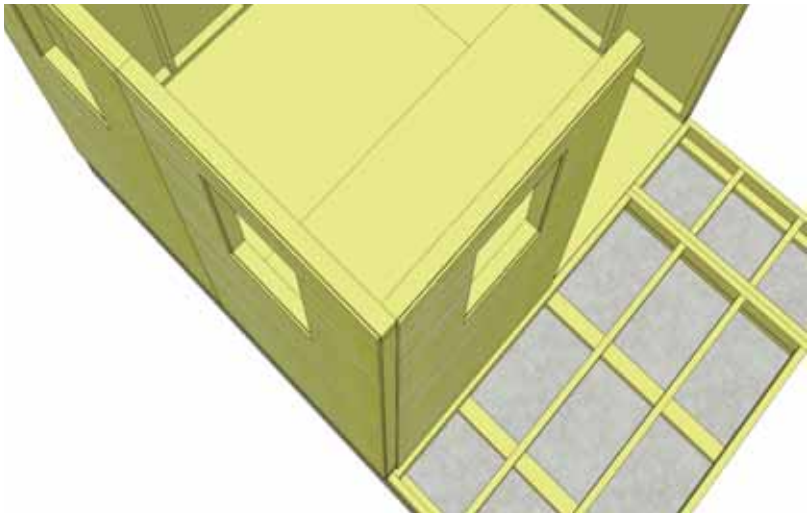
**Optional:** Caulking seams will help prevent moisture from entering. **Caulking not included in kit.**



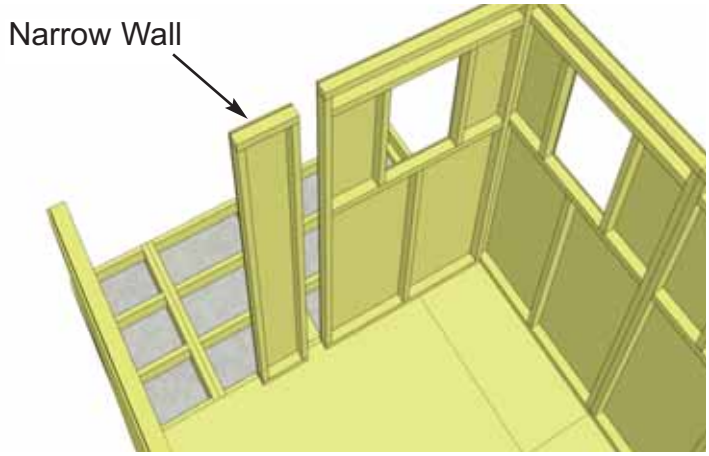



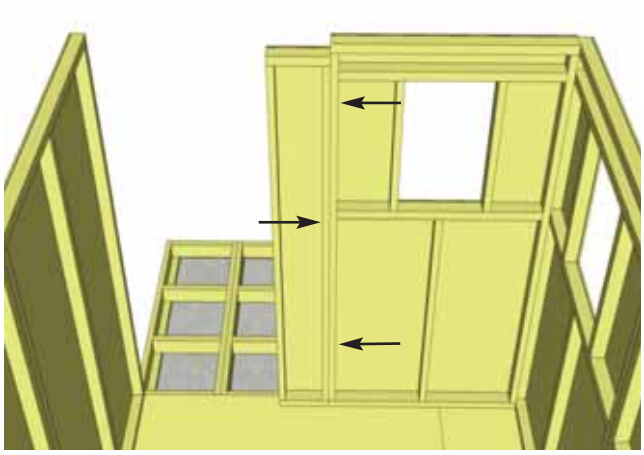
**17.** Be sure to correctly position wall panels so siding overhangs your floor and wall framing is flush with floor framing. Continue to attach walls together as per **Step 16.**



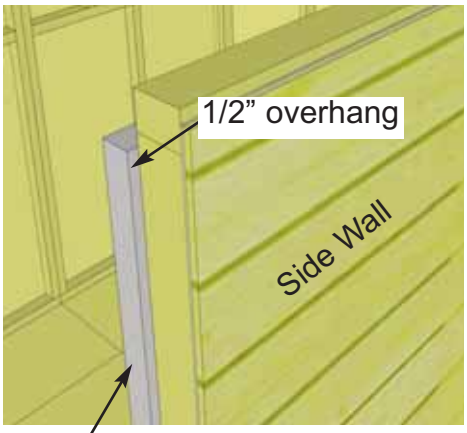


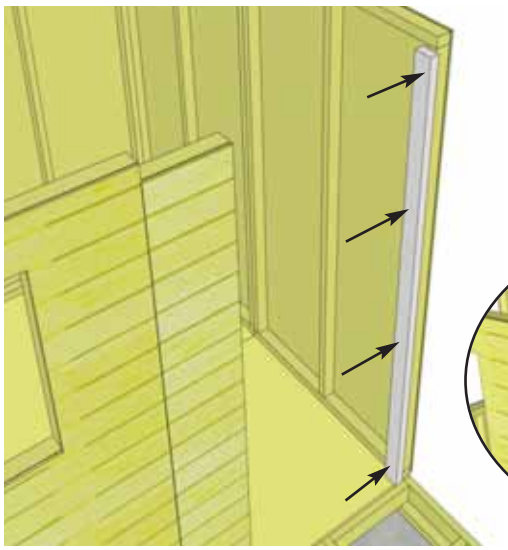
**18.** When attaching front corner wall panel, make sure panel is nested inside the side panel. Line up wall framing and secure at top, middle and bottom of wall studs.



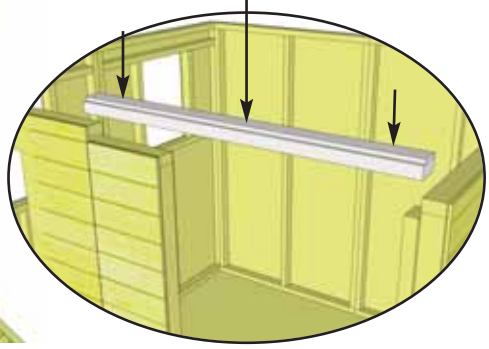



**19.** To complete walls, attach the **Narrow Porch Wall** to front wall panel. **Note:** the narrow wall is only 73" high. Attach wall stud to adjoining wall with 3 - 2 1/2" screws.

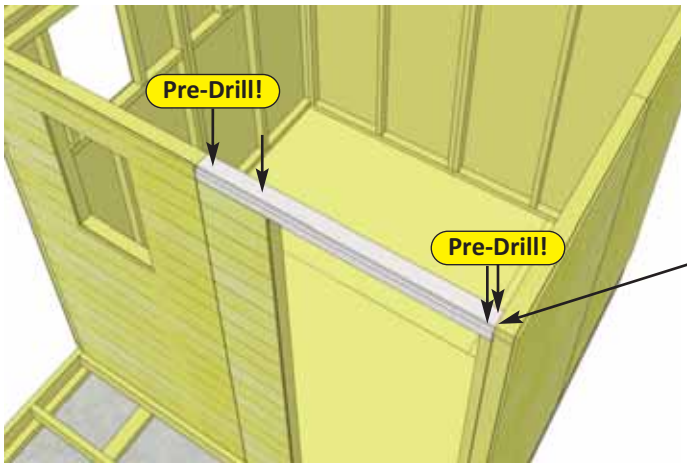


Door Header positioned with Dado to front and top.



**20.** Attach **Door Jamb** (1 1/2" x 3" x 73") to right side wall stud. When positioned correctly, the Jamb will overhang the right side wall panel framing by 1/2". When in correct position, secure to wall stud with 4 - 2 1/2" screws. Align **Door Header** (2" x 3" x 45 1/2") on top of Narrow wall framing and on top of Door Jamb. See picture below. Secure with 4 - 2 1/2" screws.



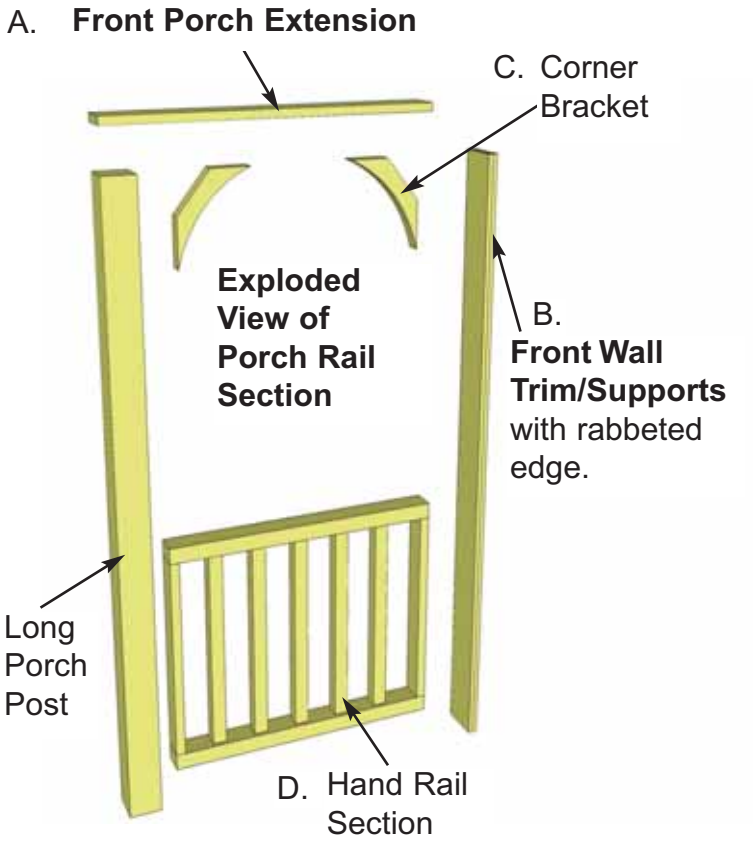

**21.** Complete the **2 Porch Rail Sections**, following steps **A** through **D**.

**A.** Attach **Front Porch Extensions** (3/4" x 3 1/2" x 45") to **Long Porch Post** (3 1/2" x 3 1/2" x 73 7/8") with 2 - 2" screws. Make sure support is flush with post.

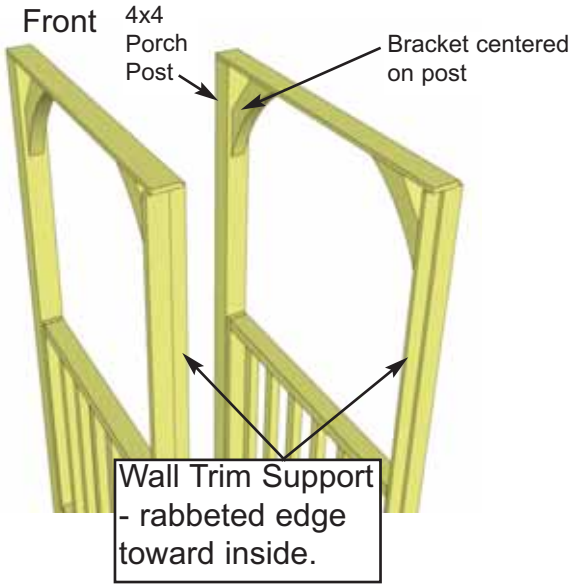
**B.** Attach **Front Wall Trim/Supports** (1" x 4 1/2" x 73 7/8") to Front Extension using 2 - 2" screws. Make sure Front Extension is Flush to back of wall trim supports and centered 1/2" on each side.

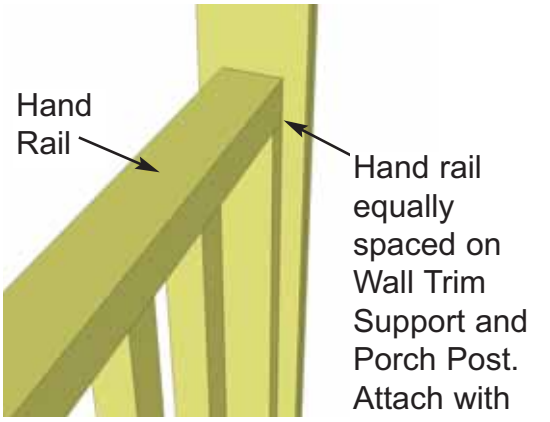
**C.** Attach both **Corner Brackets** with 3 - 2" screws. Attach from Front Extensions into Brackets. Attach Brackets to Porch posts. Drill Pilot hole in bracket first.

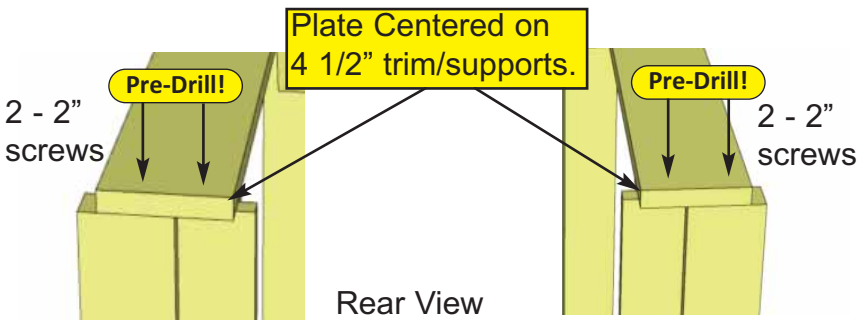
**D.** Attach **Hand Rail** to complete your Porch Rail Section. Hand rail should start 3 1/2" from bottom of Post and be centered on Post. Use 3 - 2" screws to attach. Hand rail will be fastened to Wall Trim/Support when it is attached to the wall in **Step 30**.

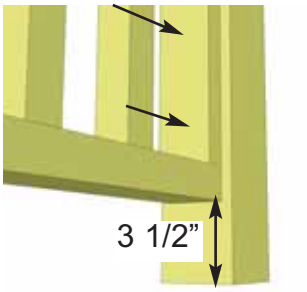


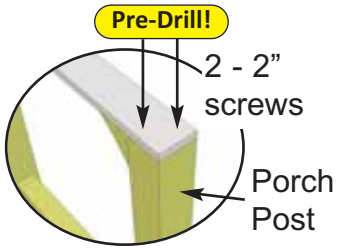

**Important:** Drill Pilot Holes to prevent wood from splitting!

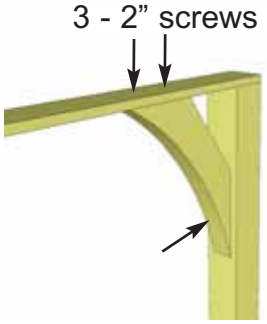


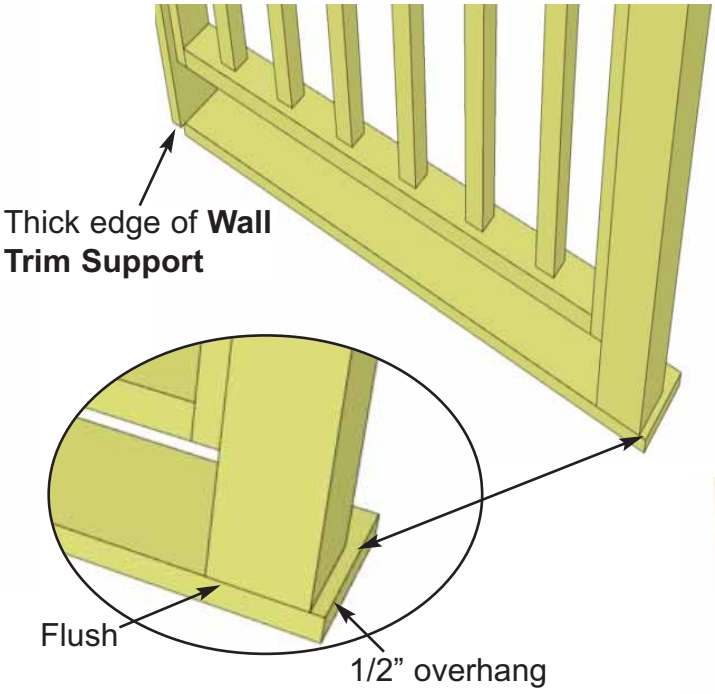



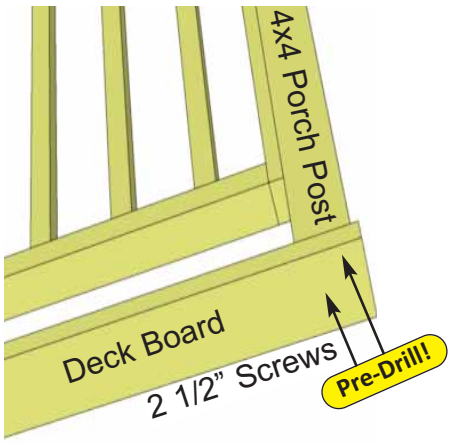



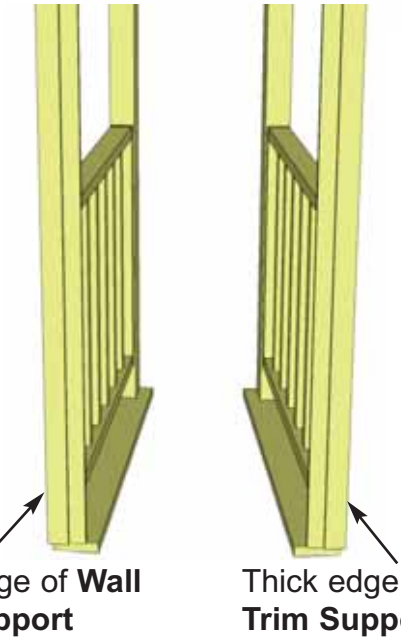



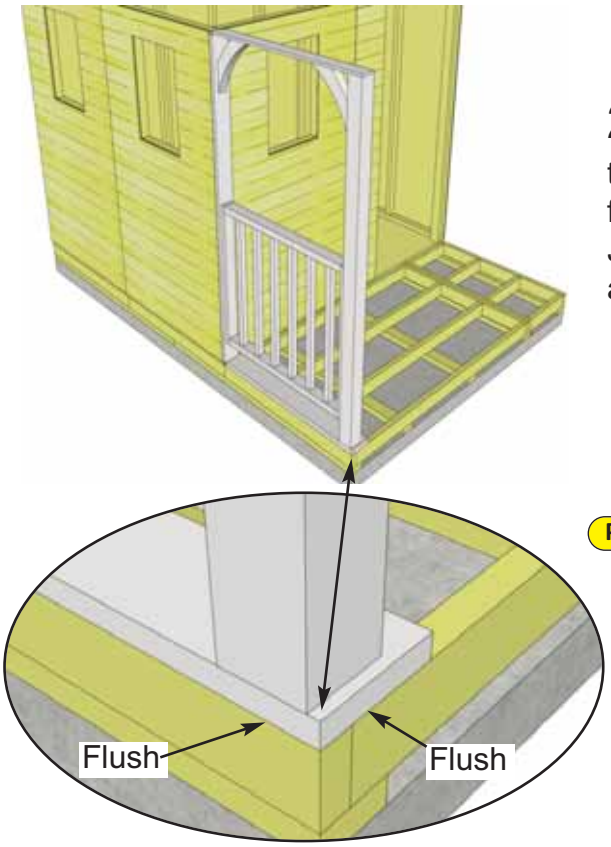



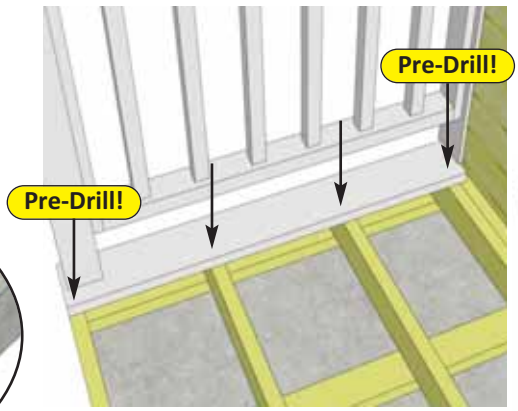

**22.** Next, attach one **Deck Board** (1” x 5 1/2” x 44 3/4”) to the bottom of each **Porch Rail Section**. Position the deck board flush with the Long Porch Post on one side and overhanging by 1/2” on the end. Ensure flush side is aligned with thick edge of the **Wall Trim Support**.

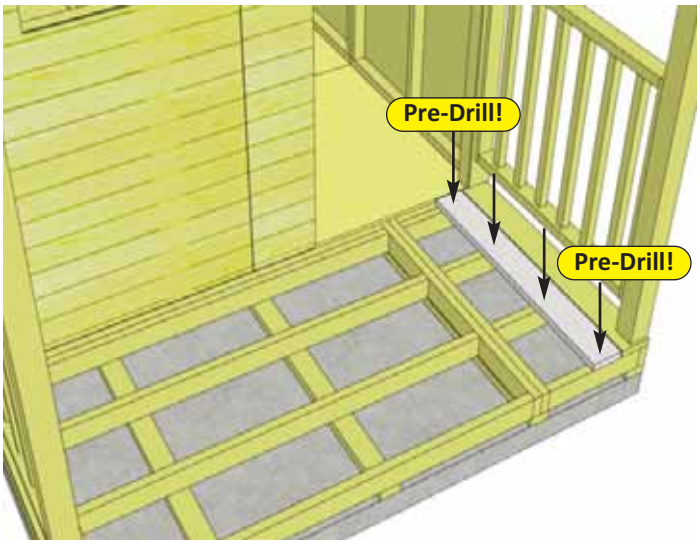
Fasten deck board to the Long Porch Post with 2 - 2 1/2” Screws per porch rail section.

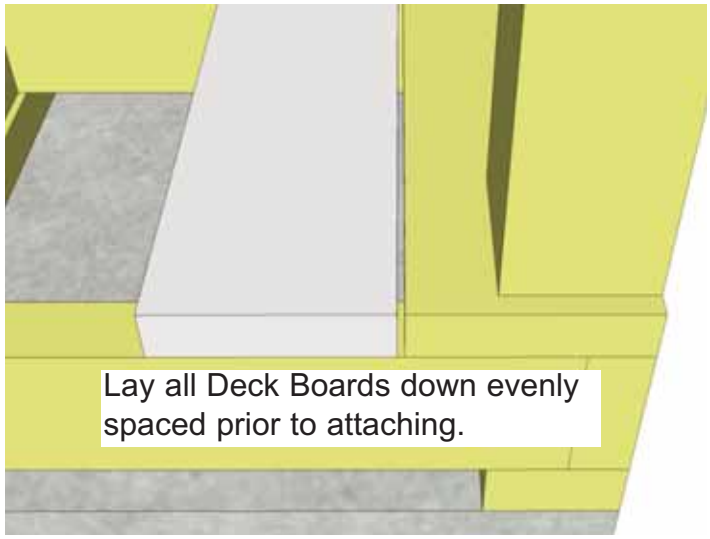


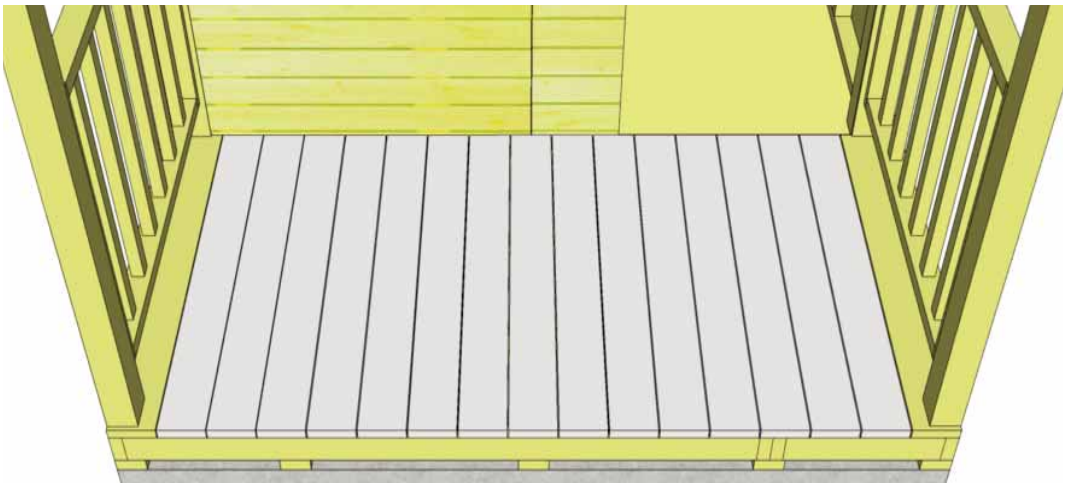




**23.** With the Porch Rail Sections complete, attach them to the deck area of the shed. Deck Boards will be positioned flush with the floor frame in the front corners. Fasten to Floor Joists with 4 - 2” Screws per Deck Board. Pre-drill for screws at the ends of the deck boards.

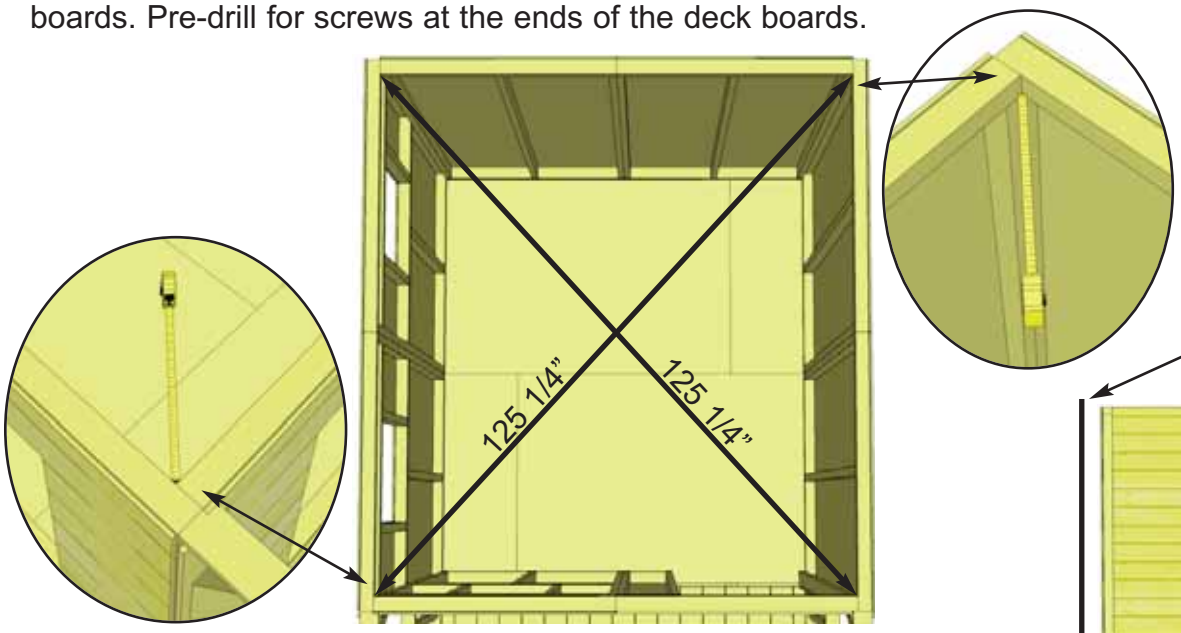


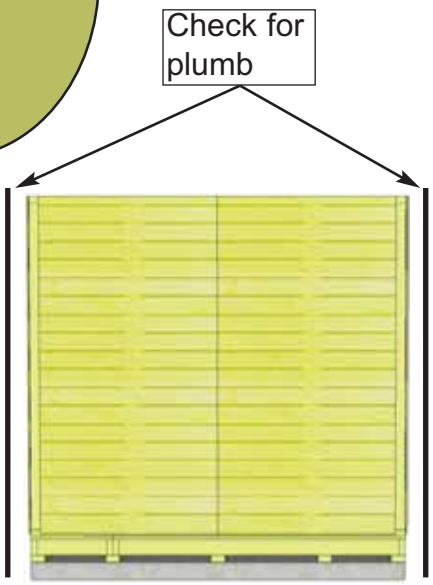



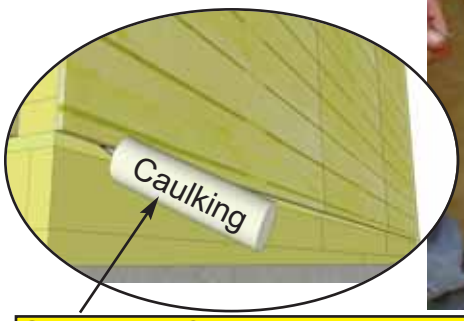



**24.** Attach remaining 15 **Deck Boards** (1” x 5 1/2” x 44 3/4”) using 4 - 2” Screws per piece. Equally space all deck boards before attaching. Ensure screws enter the floor joists beneath deck boards. Pre-drill for screws at the ends of the deck boards.

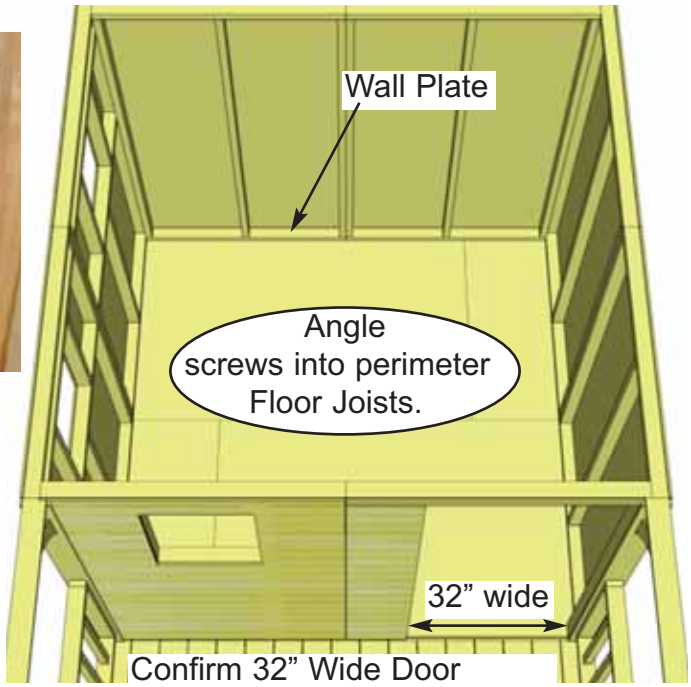



**25.** Prior to fastening walls and installing rafters, take time to confirm your walls are level, square and plumb. Measure diagonal at top and bottom of walls corner-to-corner. If measurements are not within 1/4”, your walls are not square. Adjusting now will make it easier to install roof section.

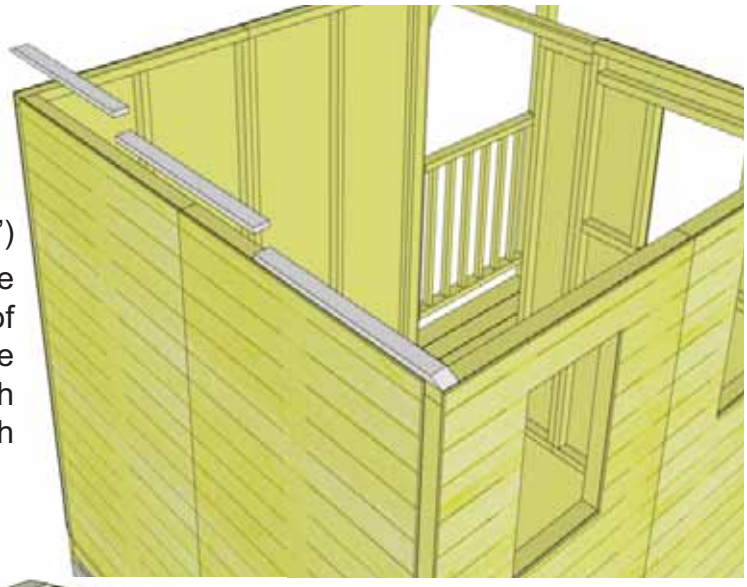



**Optional:** Caulking seams will help prevent moisture from entering at seam. **Caulking not included in kit.**

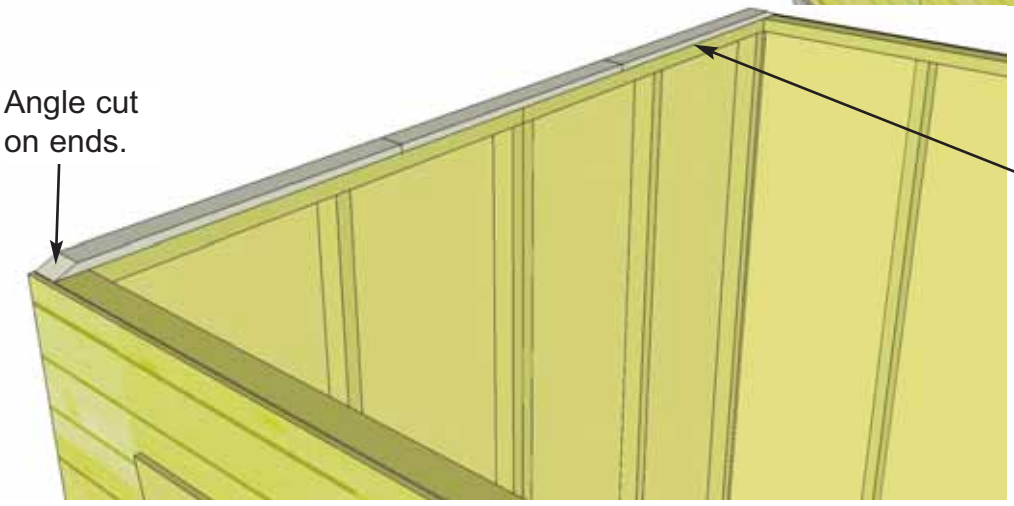


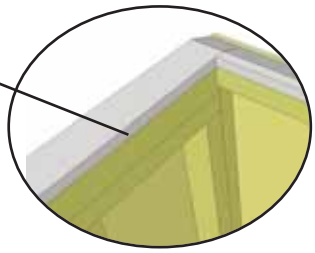

Confirm 32” Wide Door Opening at Top and Bottom.

**26.** When all walls are attached together, check alignment with the floor. Bottom wall plates should sit flush with outside of floor frame. When positioned correctly, fasten bottom wall plates to floor using 4 - 2 1/2” screws per wall panel.

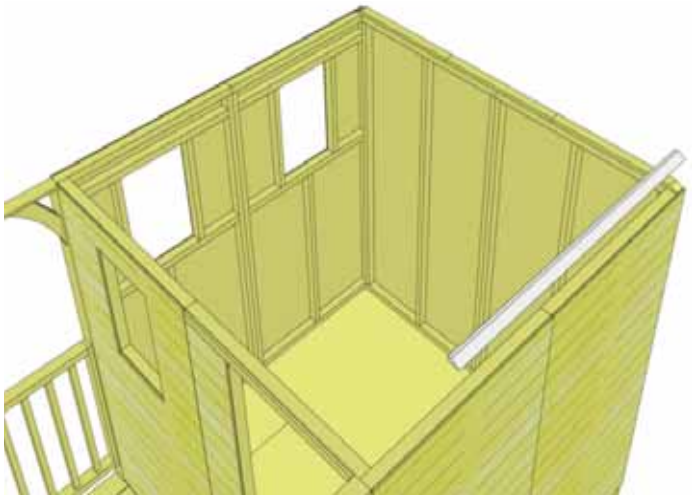


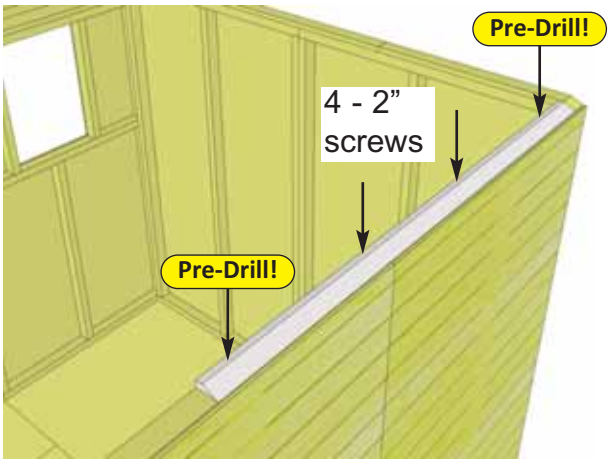
**27.** Position **Rear Top Plates** (3/4” x 2 1/2” x 32”) on top of wall studs so they are flush on the inside with 2x3 wall stud. The Top Plate is comprised of 3 pieces (2 outside pieces with an angle cut on one end and a center piece that is straight cut). Attach by screwing down into top wall plate with 4 - 2” screws each.



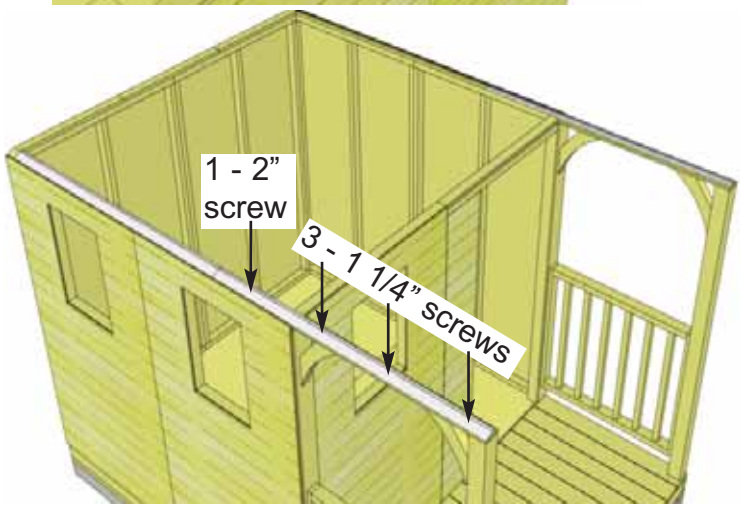



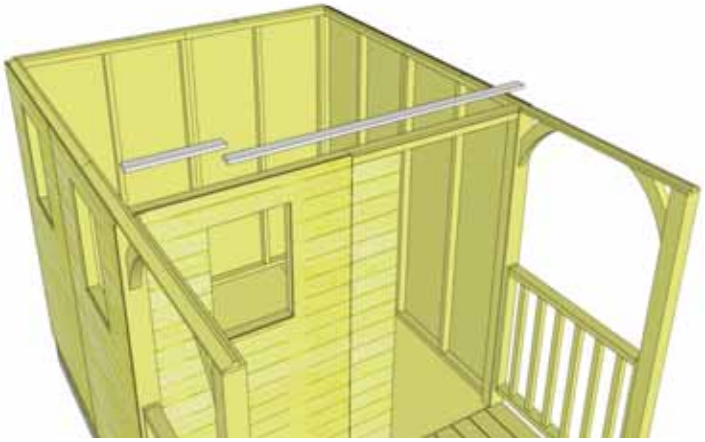
Top Plates should be flush with inside of wall framing.

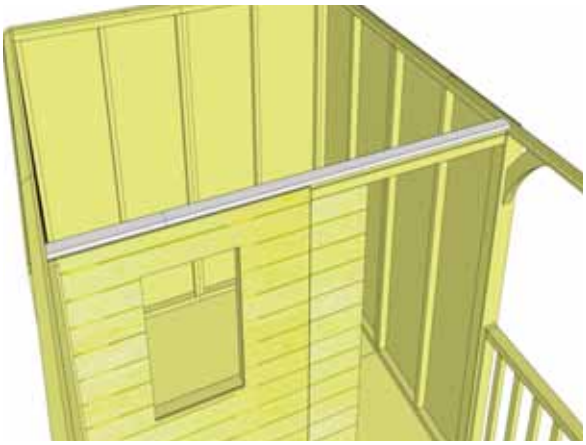




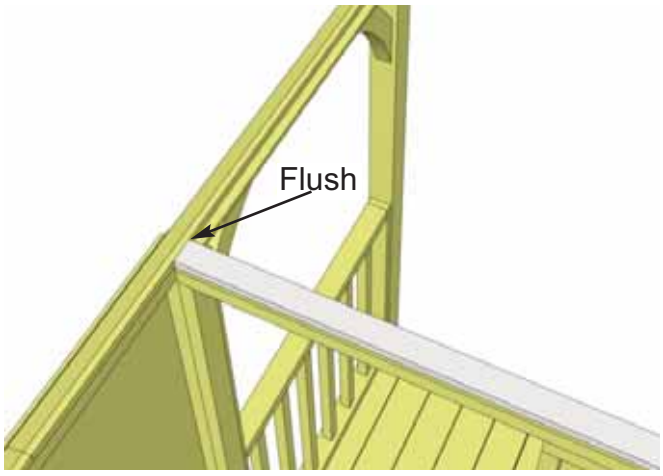

**28.** Attach the 4 **Side Top Plates** (3/4” x 2 1/2” x 66 3/4”) There are 2 Side Top Plates per side. The side top plates are angle cut down the length. Once again, position top plate on wall plate so it is flush with inside of wall plate. Side plate should also be flush with rear wall plate. Secure with:
4 - 2” screws per rear piece.
1 - 2” screw & 3 - 1 1/4” screws per front piece.

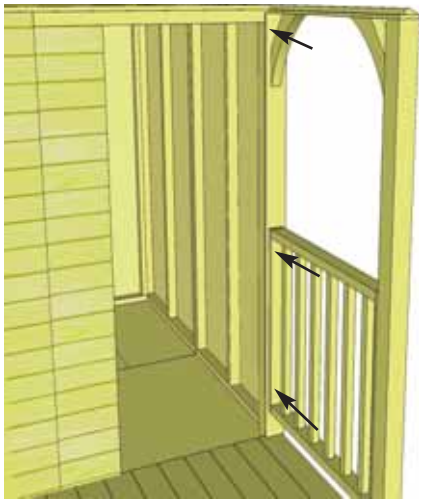


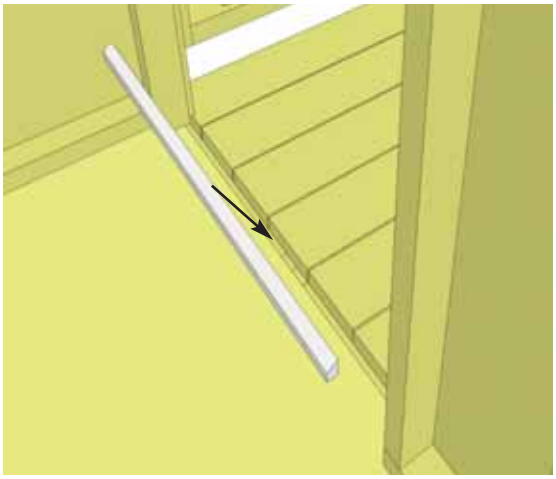


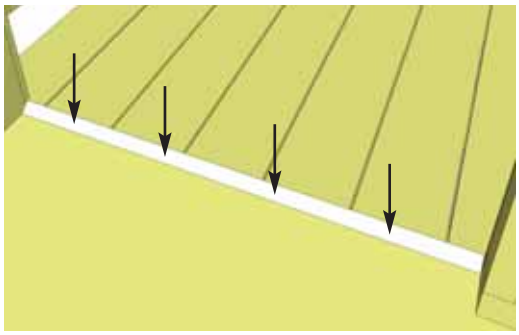
**29**. Position the **Front Top Plates** (3/4” x 2 1/2” x 72” & 19”) on top of Door Header and front wall panel. There are 2 plates (72” and 19” long). Front top plates are straight cut on the ends. Once again, the plate will be flush with inside of top wall framing. Attach with 6 - 2” screws (4 screws in long and 2 in short plate).



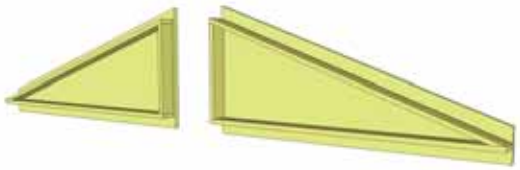


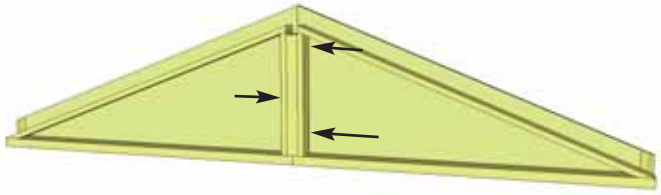
**30.** Attach Wall Trim/Supports to wall with 3 - 2 1/2” screws per side. Try to conceal screws if possible.





**31.** At the doorway of your shed there will be a small gap between the deck boards and floor plywood. Fill this gap with the **Doorway Floor Transition Strip** (3/4” x 1” x 32” - angle edge cut) and attach with 4 - 1 1/2” finishing nails.

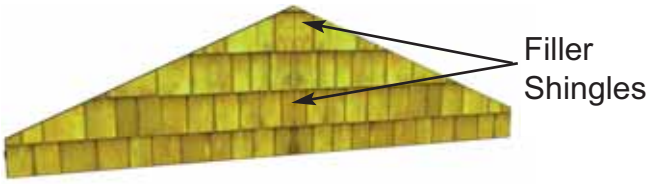




**32.** Locate both Rear Gable Wall pieces. Rear Gables have shingles that overhang the top and bottom of the gable frame. Screw together with 3 - 2 1/2” screws.

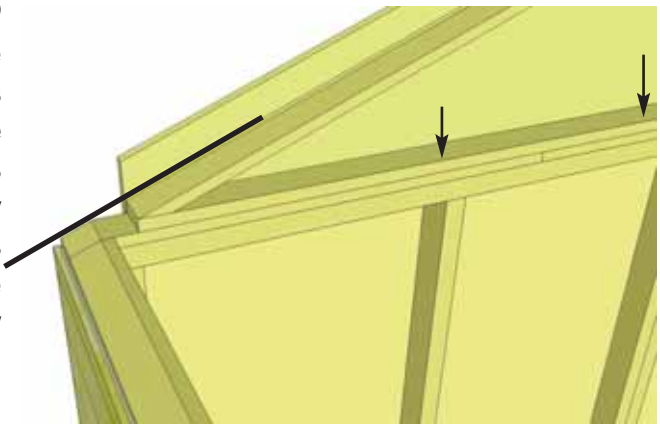

**33.** From the outside, slide in a Rear Gable Wall **Filler Shingle** to cover gable seam. Nail down above the exposure line with 2 - 1 1/2” shingle nails.

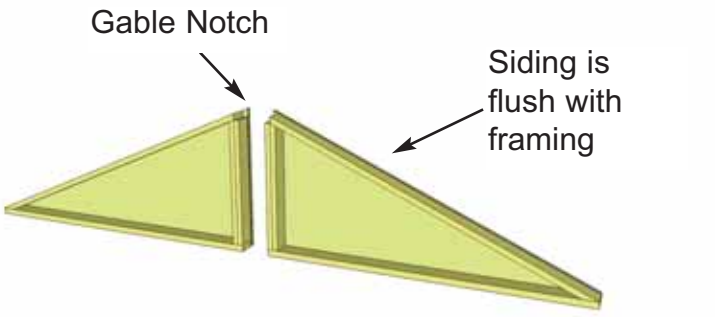
**34.** Complete by attaching the short 7 1/2” top Filler Shingle with 2 - 1 1/2” shingle nails.



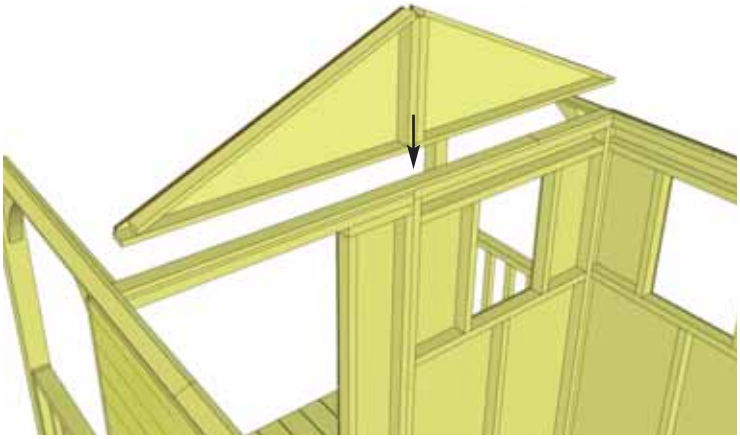

**35.** Lift up the rear completed gable section and place on top of rear walls.

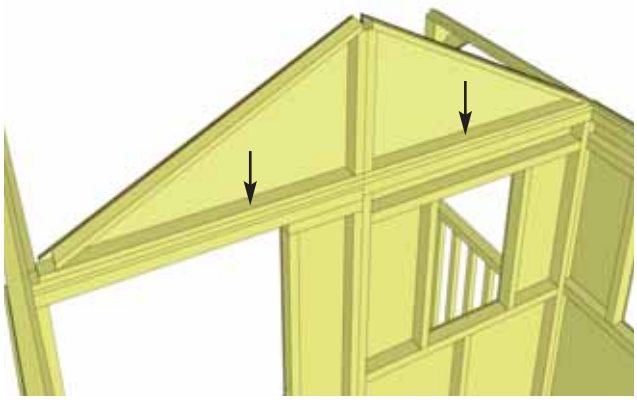
**36.** Position the **Rear Gable Wall** on top of the Rear Top Plate. The rear gable framing should sit flush with the inside of the top plate. It should also be centered sideways on the top plate. **Hint:** use a straight edge to check the angle of the gable framing and top plate. Both angles should line up. Adjust gable accordingly. Temporarily attach to walls and Top Plate with 2 - 2" screws. Gables may need slight adjustment in **Step 50.** Complete attachment in **Step 50** with additional 8 - 2" screws. Screw from the bottom of gable framing down into Top Plate and Wall.






**37.** Locate both Middle Gable Walls and attach together as per **Step 32.**

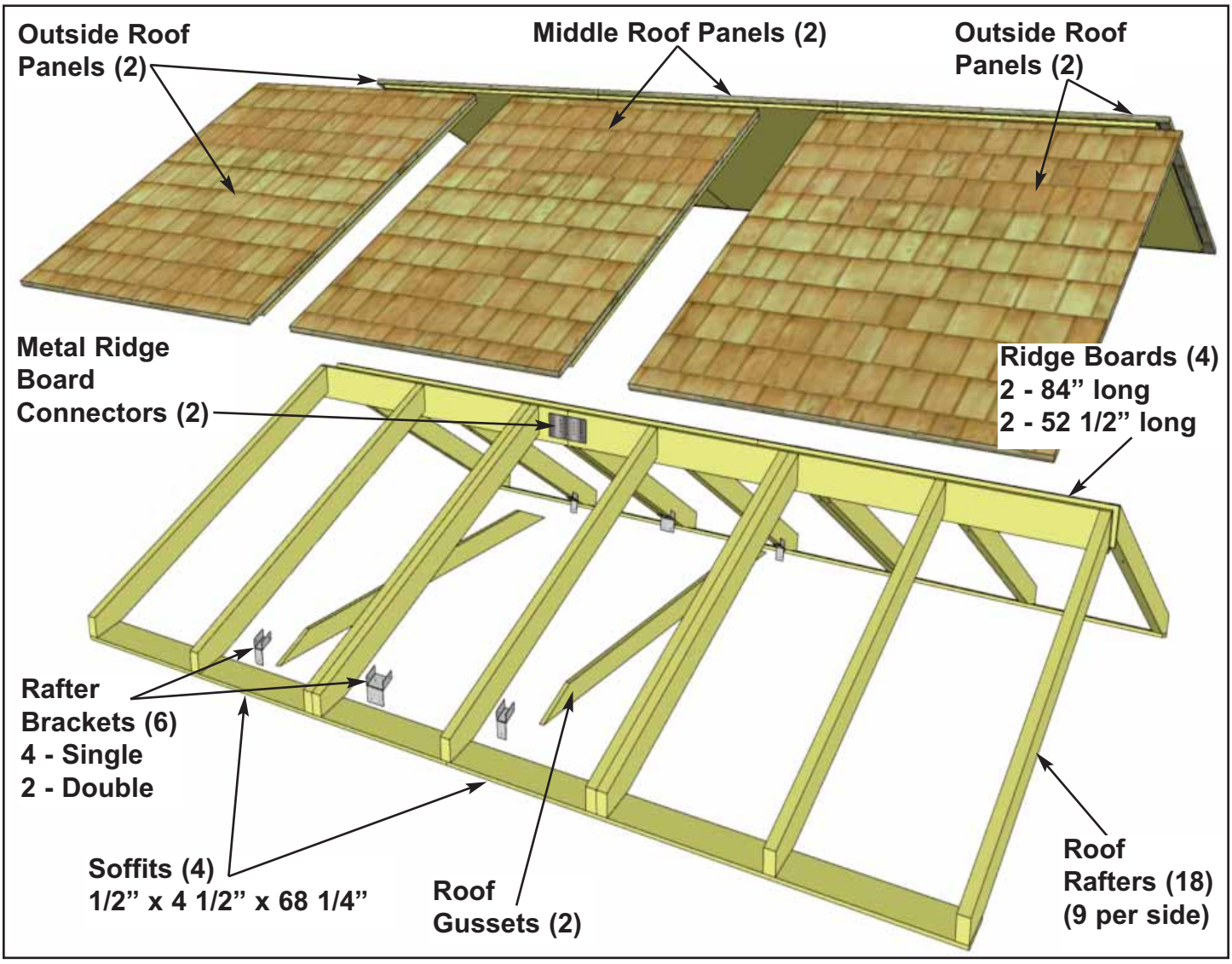


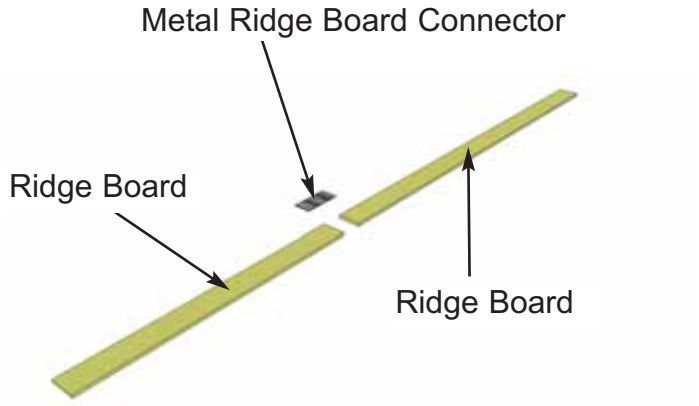


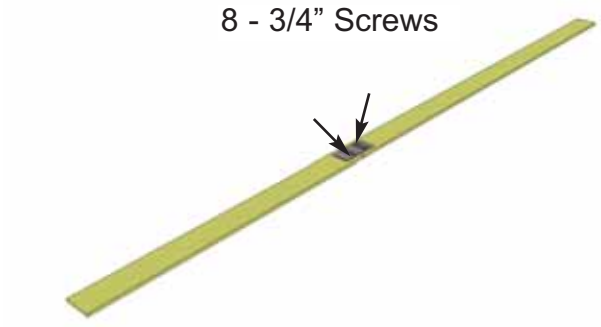
**38.** Position the **Middle Gable Wall** on top of front top plate. Middle gable has cedar siding on the front that is cut flush with gable framing. Once again, the framing of the gable should be flush with outside of plate and be centered sideways on the plate. When in correct position, attach with 2 - 2" temporary screws as per **Step 36.**
Later in **Step 50,** complete attachment with 8 more 2" Screws.

# C. & D. Rafter and Roof Section

**Exploded view of all parts necessary to complete the Roof Section.**
**Identify all parts prior to starting. (Roof Filler Shingles Missing)**

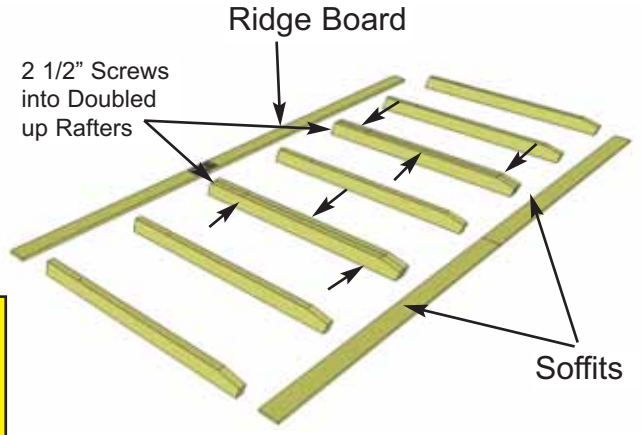


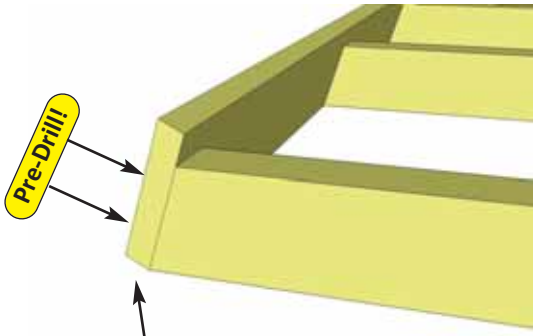




**39.** Locate **Ridge Boards** (3/4” x 4 1/2” x 84” & 52 1/2” - 1 each) and attach together with **Metal Ridge Board Connector** using 8 - 3/4” silver screws. Total Length when connected is 136 1/2”. Complete two Sets. Position Metal Ridge Board Connector evenly on Ridge Boards.

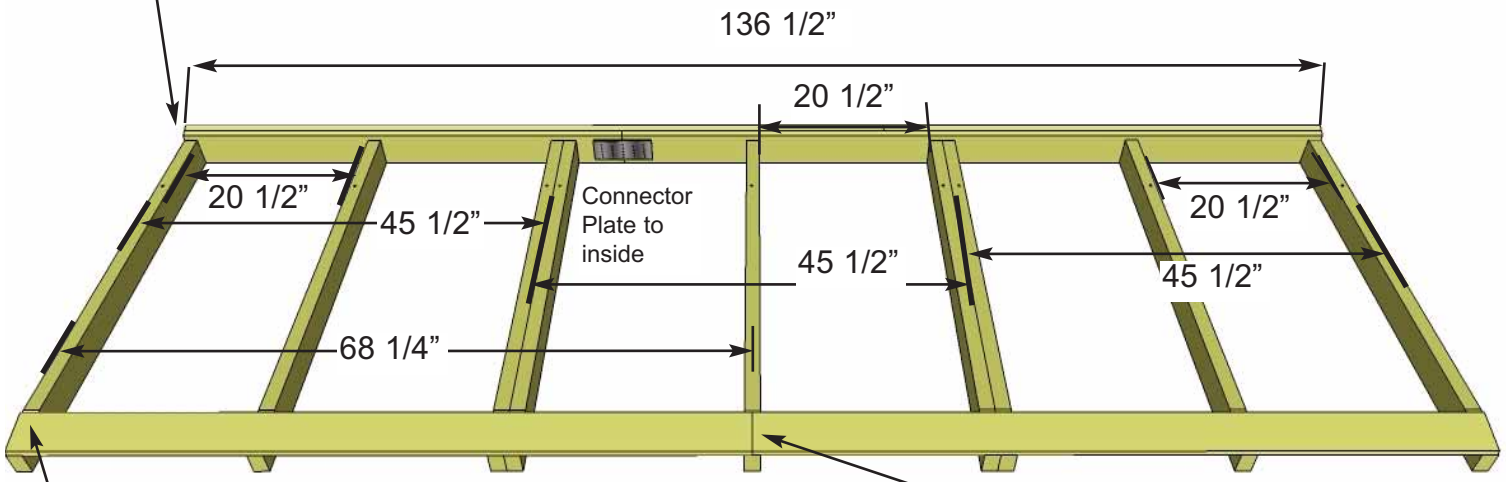
**40.** Locate 9 **Rafters** (1 1/2" x 3 1/2" x 56 1/2"), 2 **Soffits** (1/2" x 4 1/2" x 68 1/4") and completed Ridge Board. Lay out on level ground as shown to the right. Double up Rafters as illustrated. Screw doubled up Rafters together with 3 - 2 1/2" screws per piece.
**Note:** Completed rafter section will be flipped over in **Step 42.**



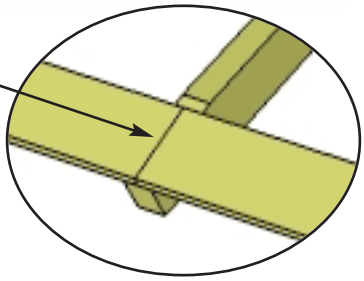




**Important:**
Pilot Hole Ridge Board to prevent splitting!

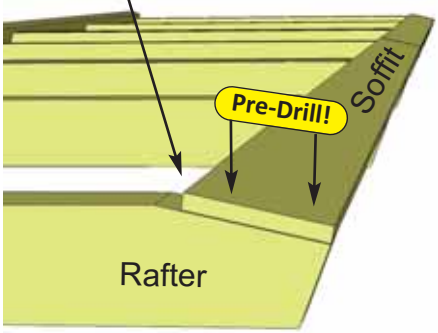
**41.** Attach completed Ridge Board to ends of both outside rafters with 2 - 2" screws per end. Measure and position interior Rafters as illustrated below. When positioned correctly, attach Ridge Board to remaining rafters with 2 - 2" screws per rafter end.



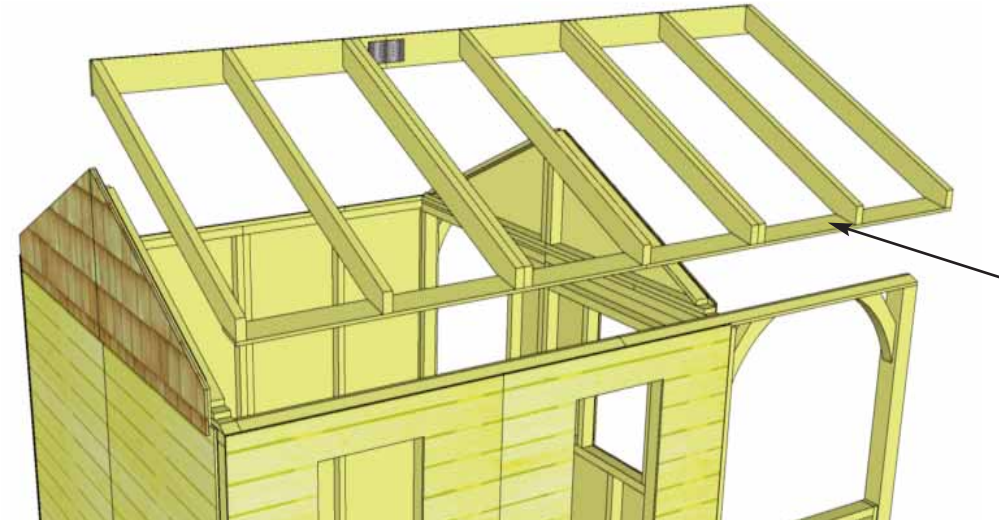

**Important:**
Pilot Hole Soffit to prevent splitting!



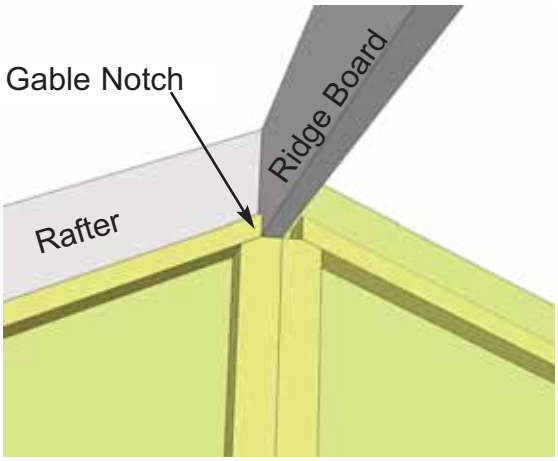
**42.** Attach end of a 68 1/4" long Soffit Board flush to ends of outside rafters with 2 - 1 1/4" screws per rafter end. Drill pilot hole in Soffit ends to prevent splitting. Complete both outside rafter / Soffit connections first. Measure and position interior Rafters as illustrated above. When positioned correctly, attach Soffits to remaining rafters with 2 - 1 1/4" screws per rafter. Flip completed rafter section over. Complete 2nd Rafter section now as per **Steps 40 - 42** with the following exception: **When attaching Ridge Board to Rafter ends, make sure Metal Ridge Board Connector is positioned so offset to first Rafter Section. See Step 49 for illustration.**

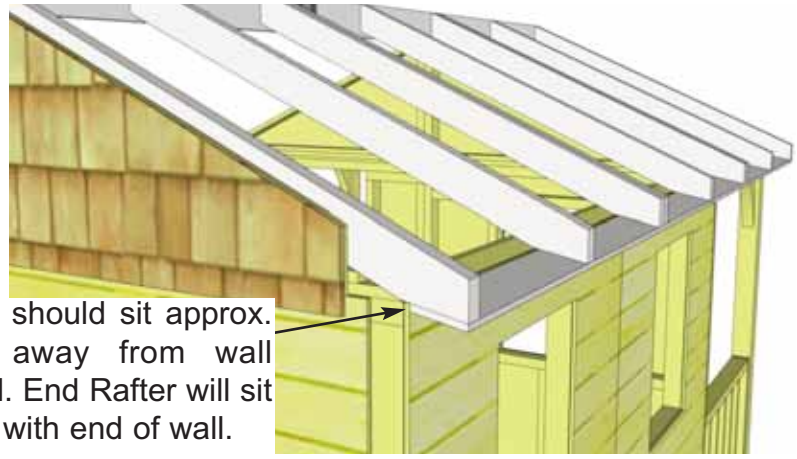



Carefully flip Rafter Sections over when complete




**43.** Carefully lift 1 completed Rafter Section up (make sure Soffit is facing down) and place on gable framing.



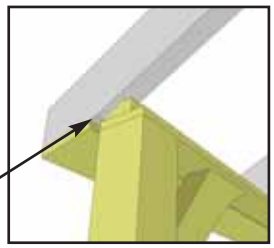



Soffit should sit approx. 1/8" away from wall panel. End Rafter will sit flush with end of wall.

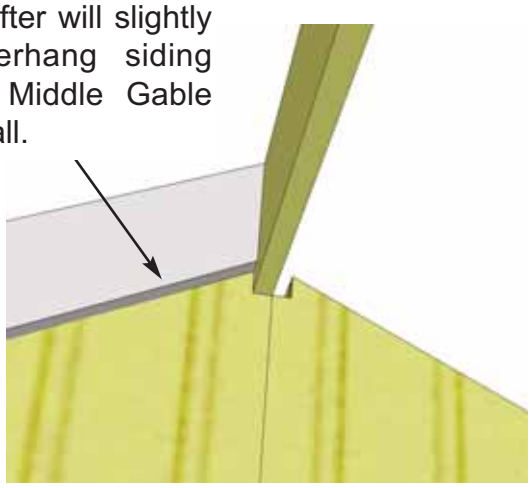
**44.** Slide Rafter Section up on gable framing until bottom of Ridge Board slips into gable notch. Soffit will sit approximately 1/8" away from wall panel.

In Porch area, a larger gap will occur between Soffit and Top Plate.

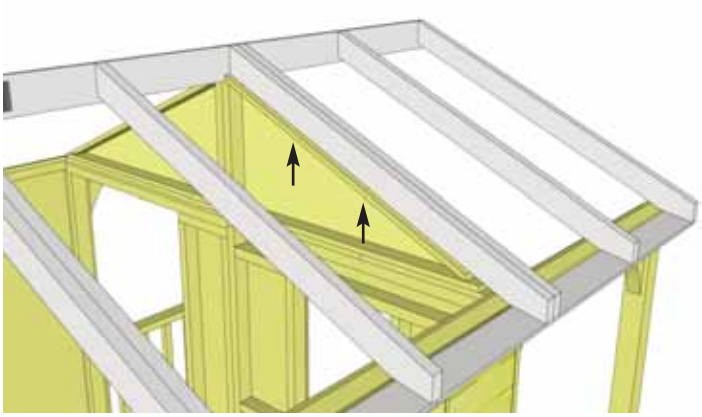
Rafter will overhang Porch Post.



Rafter will slightly overhang siding of Middle Gable Wall.

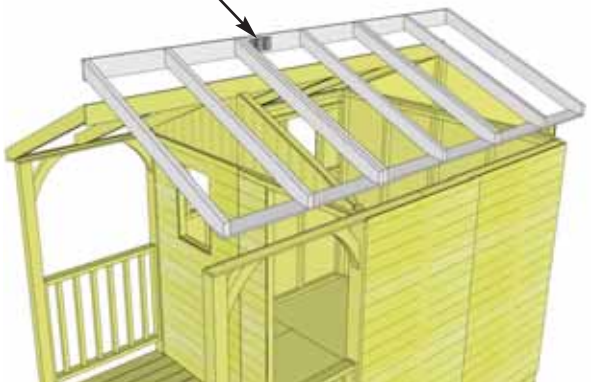


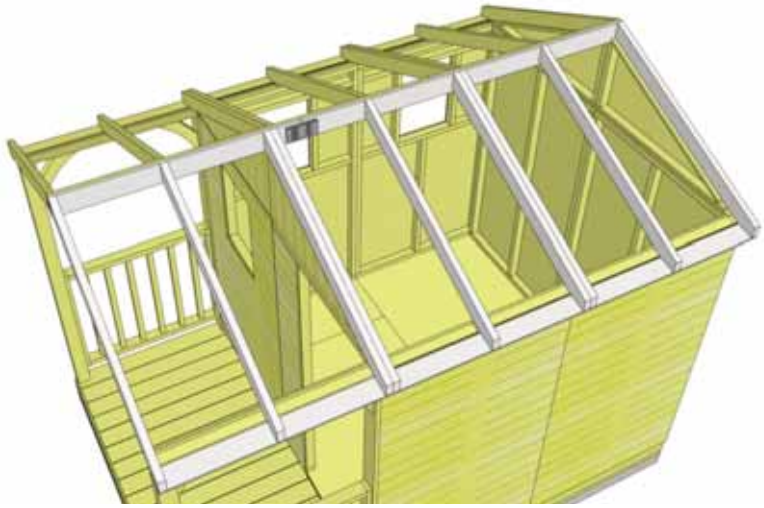
**45.** To confirm Rafter Section alignment - in the front, Rafter will overhang Porch post by approximately 1/2". Rafter will also overhang the siding of Middle Gable Wall.



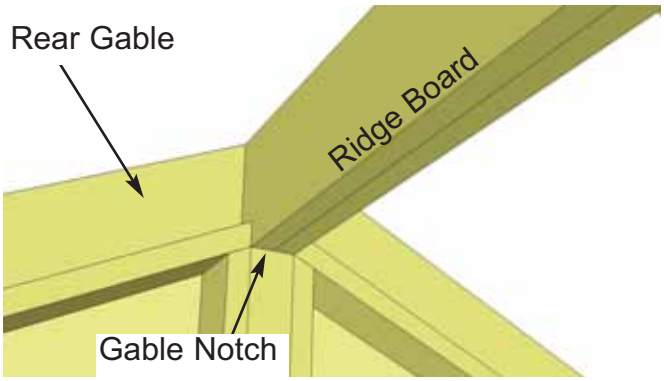
**46.** When Rafter Section is aligned correctly, tack Rafter Section temporarily down from Middle Gable Wall framing into Rafter with 2 - 2” screws.

**Note:** Metal Ridge Board is offset with 1st Rafter Section

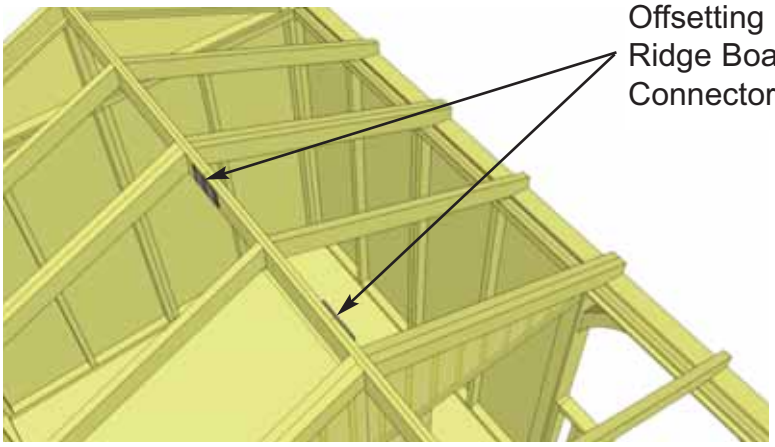




**47.** Place 2nd completed Rafter Section on gable wall framing. Position as per **Steps 43 - 46.**

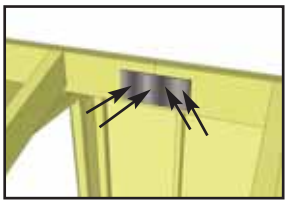



**48.** When both Rafter Sections are correctly aligned, Ridge Boards will sit in both the rear and middle gable notches. Front Rafters will overhang Porch Posts.



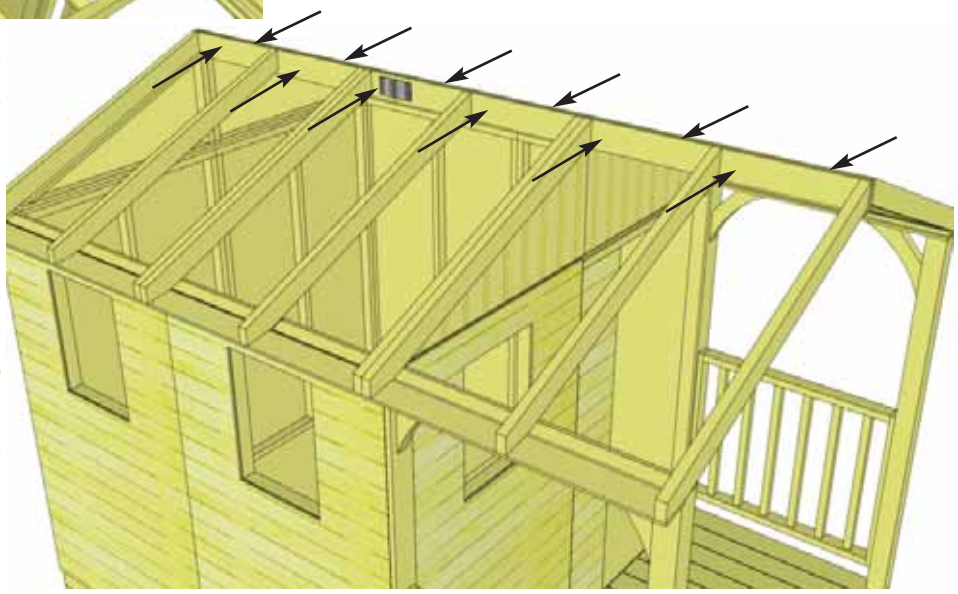
Offsetting Metal Ridge Board Connectors

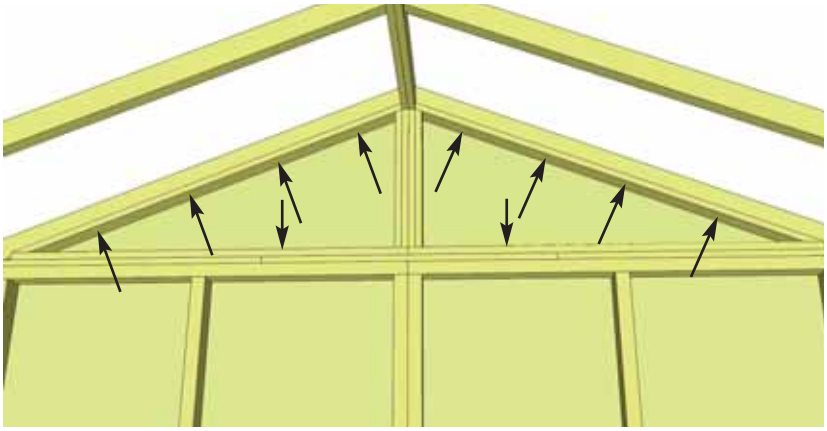
**Important:** Make sure Metal Ridge Board Connectors are offset to one another as illustrated to the left.



**49.** At the peak, align Ridge Boards so they are flush together and secure them with 12 - 1 1/4" screws.

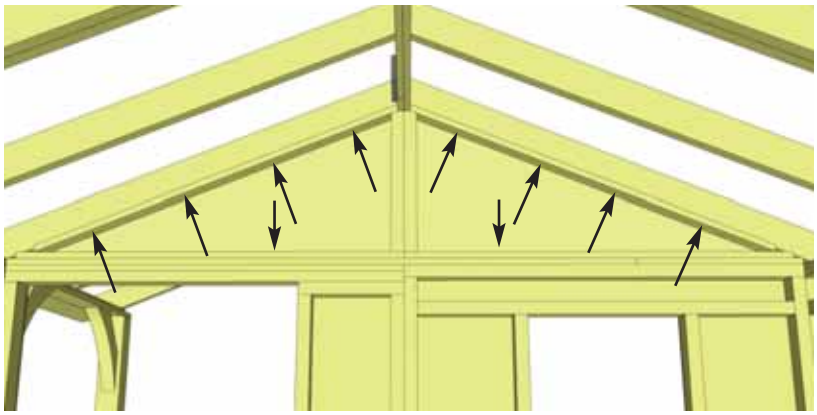
**Important:** if there is a gap between Ridge Boards, try pushing side walls closer together from outside. Walls should be 91" apart at top from inside of wall plate to wall plate. To completely secure Ridge Boards, place 4 - 1 1/4" screws into any of the remaining Metal Ridge Board Connector holes. Complete both sides.

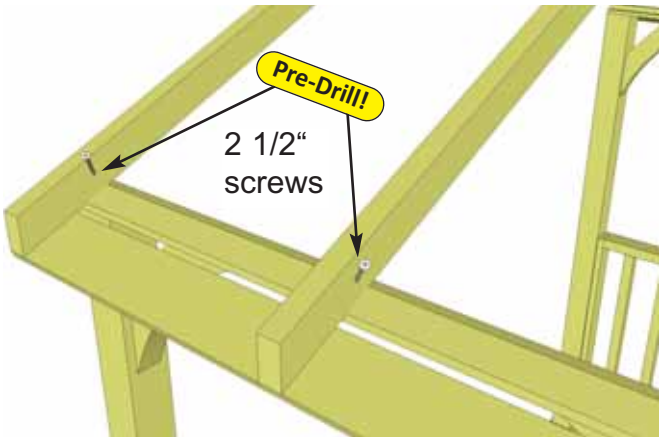




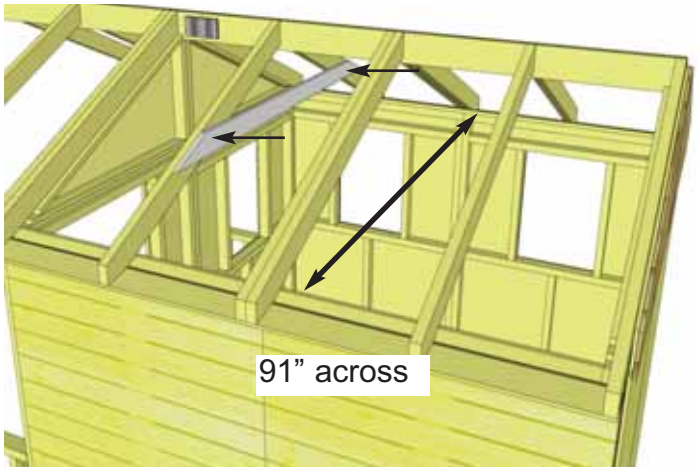
**Important:** - If Gable framing does not line up with Rafters, remove temporary 2" screws from gable framing. Re-align gable and secure with 8 - 2" screws total.

**50.** With both Rafter Ridge Boards connected, completely secure Rafters to Gable framing of **both rear and middle Gable Walls**. Use 8 - 2" screws per gable.

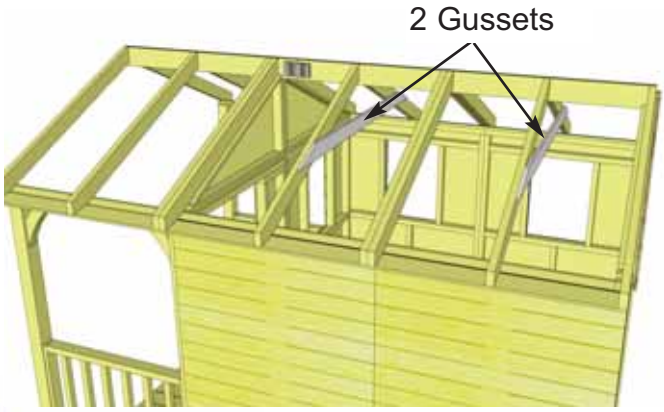




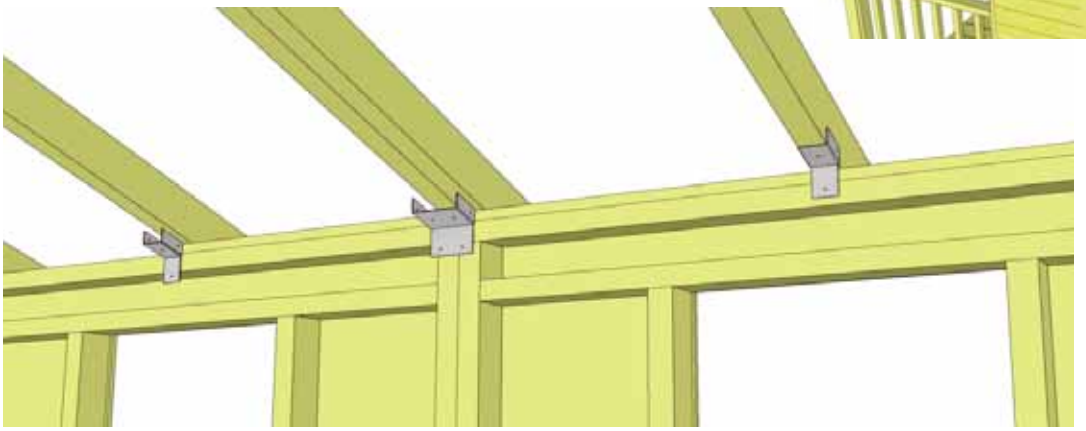

**51.** Attach Rafters in porch area into Top Plate of porch with 1 - 2 1/2” screw per Rafter. Once again, measure 91” from inside of wall plate to wall plate for correct Rafter alignment prior to attaching. Drill pilot holes in rafters on angle first to prevent splitting and then screw down.



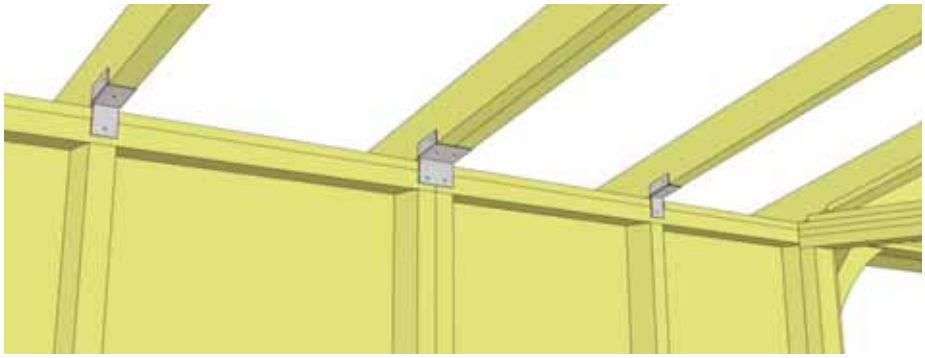

**52.** **Roof Gussets** (3/4” x 3 1/2” x 72”) are positioned on middle rafters. Prior to attaching, make sure walls are properly aligned. Have two helpers push walls at the top from the outside of shed until inside to inside measurement between front and rear plates is 91”.

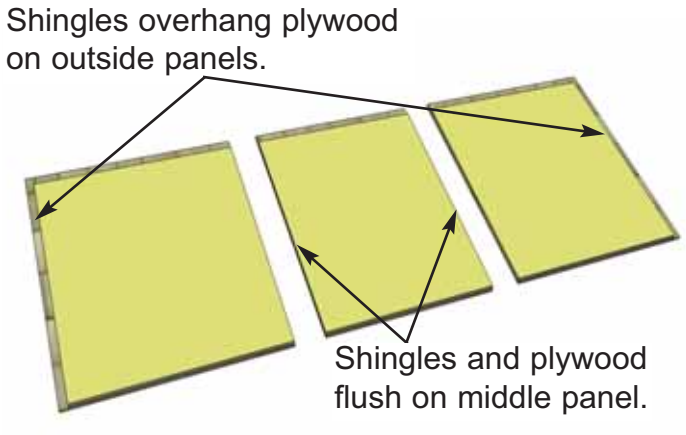



**53.** Slide gusset up. Use level to square gusset and attach to rafters with 4 - 2” screws per gusset. Complete remaining gusset.



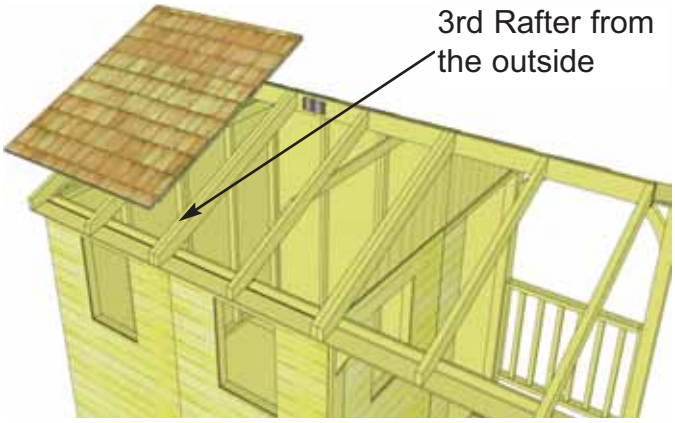
**54.** Attach **Single** and **Double Rafter Brackets** where rafters meet Top Wall Plates inside of shed. Attach with 4 - 2” screws per Single Rafter Bracket and 6 - 2” screws per Double Rafter Bracket. Have two helpers push the Side Walls from the outside of the shed until inside measurement between Top Plates is 91”.

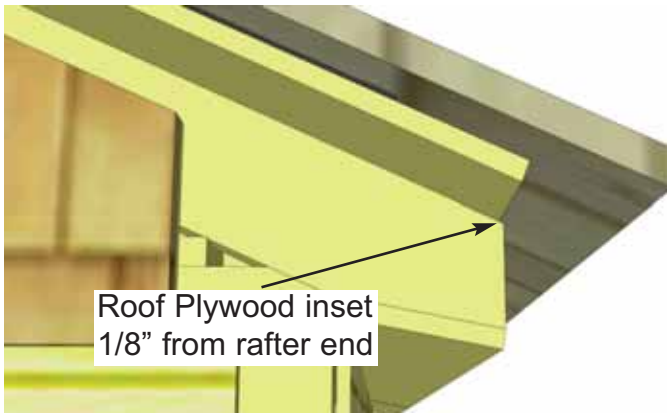




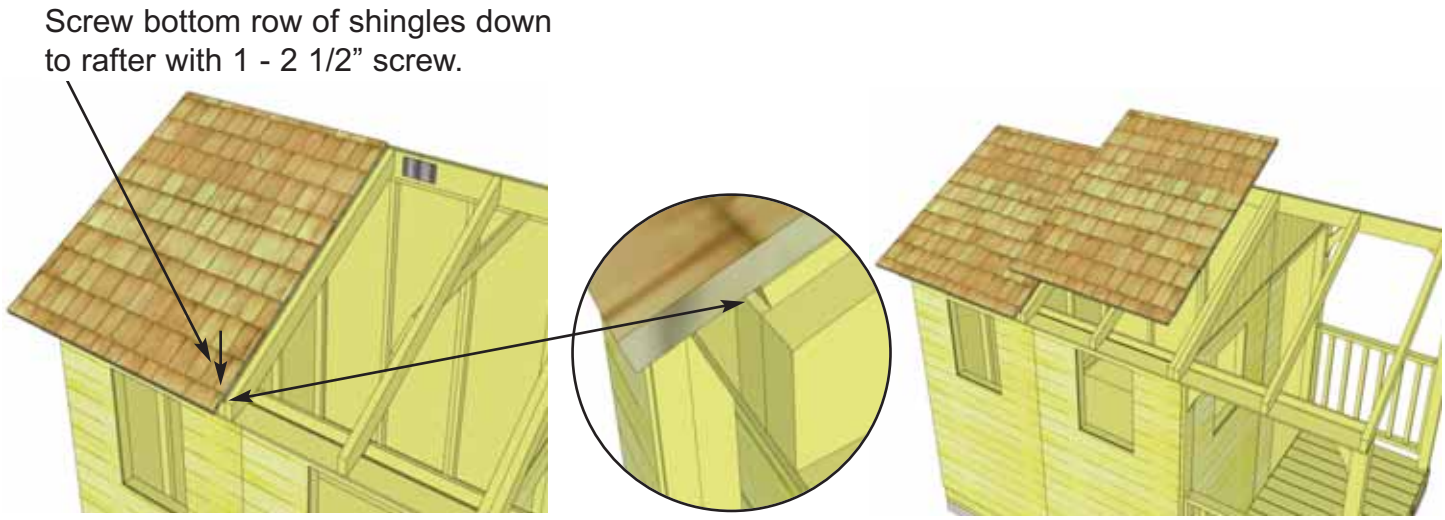


**55.** Identify Roof Panels. There are 2 Outside and 1 Middle Roof Panel per side. Starting with outside rear panel, lift up and place on rafters.



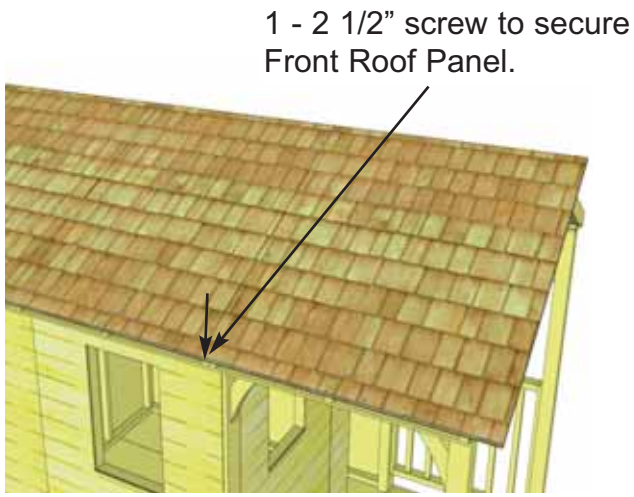




**56.** Place Outside Roof Panel so it sits flush on 3rd rafter from the outside (doubled up rafter). Plywood on roof should be inset 1/8” from end of rafter at bottom.

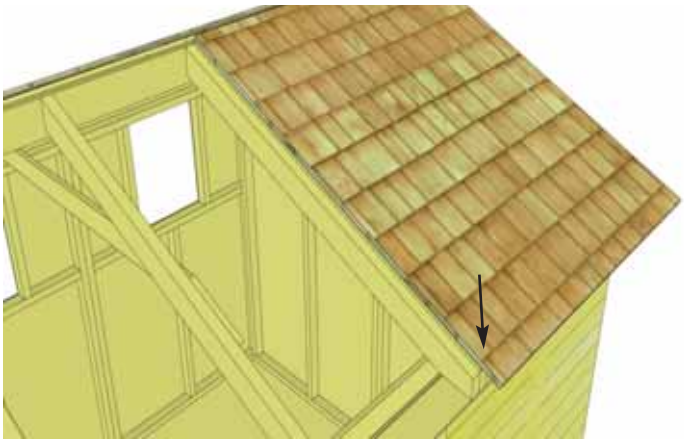



**57.** From the outside, screw down through bottom row of shingles into rafter with 1 - 2 1/2” screw. Locate Middle Roof Panel (roof plywood flush with outside of shingles) and place on middle rafters.

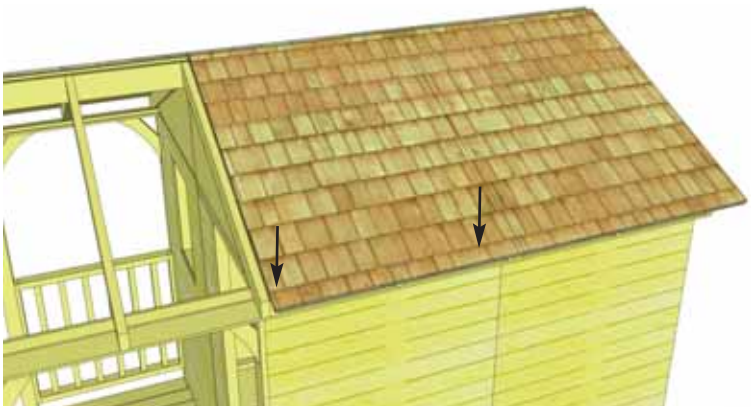
**58.** Align Middle Roof Panel as per **Step 57** and screw panel down to rafters with 2 - 2 1/2" screws in the bottom row of shingles. Lift up 2nd Outside Roof Panel on Rafters as per **Step 56**.

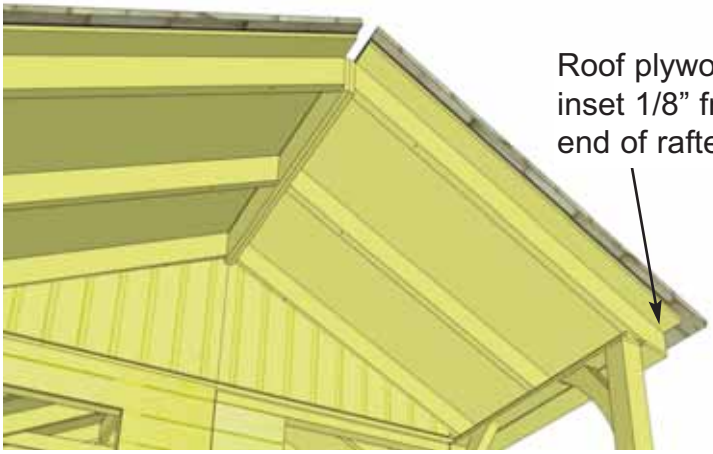

**59.** Position and attach 2nd Outside Roof Panel on Rafters as per **Step 57** using 1 - 2 1/2" screw.



**60.** Lift up, position and attach right side Outside Rear Roof Panel on Rafters as per **Step 56-57.**

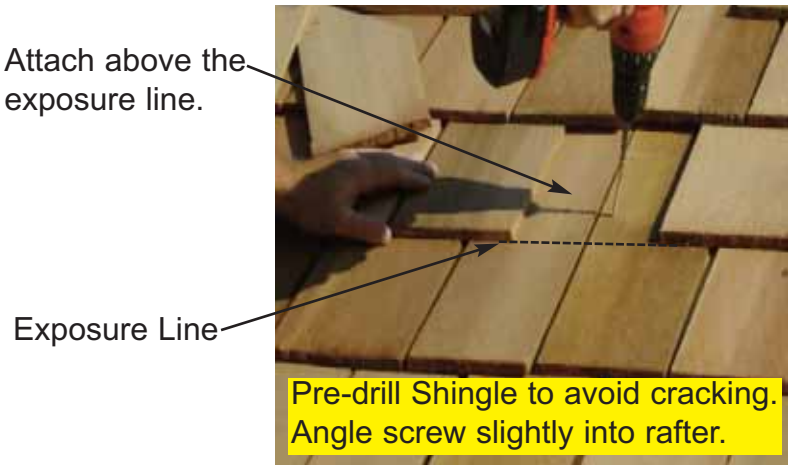


**61.** Lift up, position and attach right side Middle Roof Panel on Rafters as per **Step 57-58.**



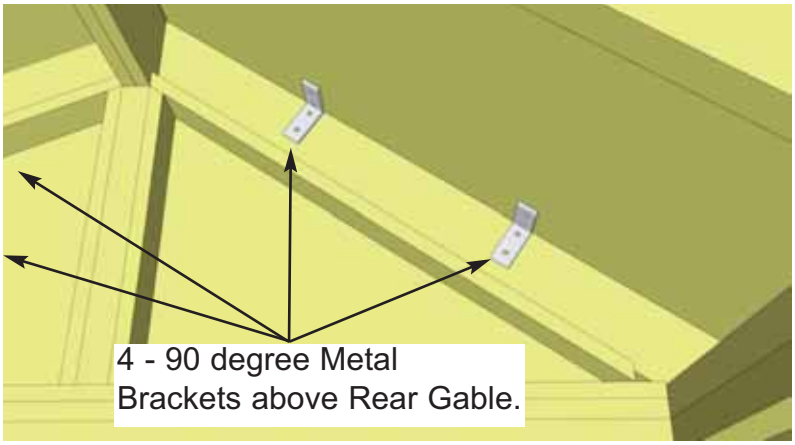

**62.** Lift up, position and attach right side Front Roof Panel on Rafters as per **Step 59.**

**63.** Roof **Filler Shingles** are included to cover roof seams. Starting at the bottom, slide the first Long Filler Shingle in until flush with other bottom shingles. **See next step for proper attachment.**

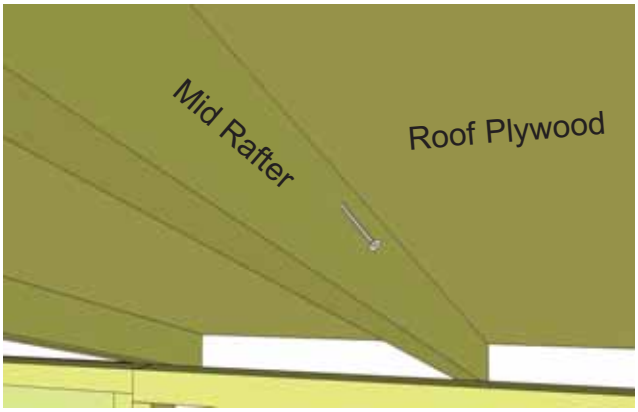


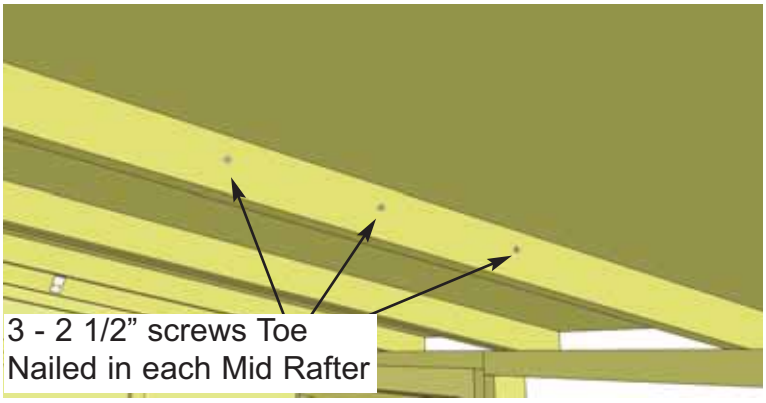

**64.** Screw first filler shingle down to rafters using 1 - 2 1/2” screw per panel (2 in total). Make sure to screw into both rafters.

**65.** Slide in another Filler Shingle and attach as per **Step 64**. Repeat, working your way up to the top. The top row Filler Shingles are cut shorter than the others (7 1/4" length). Attach top row Filler Shingles with 2 - 1 1/2" shingle nails.




**66.** Position 4 - 90° Metal Brackets on plywood and rear outside rafters and secure with 4 - 1 1/4" screws per bracket.

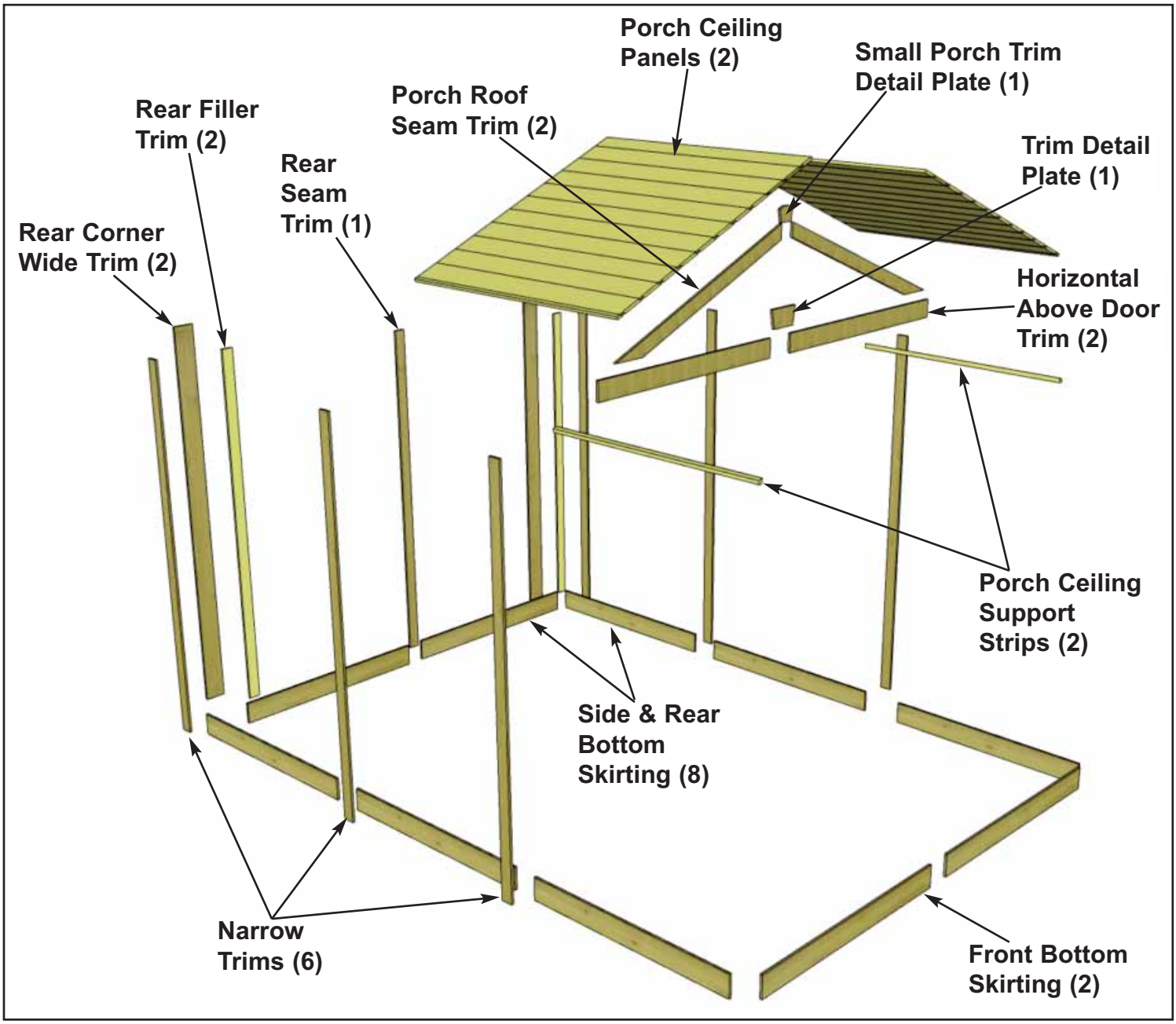


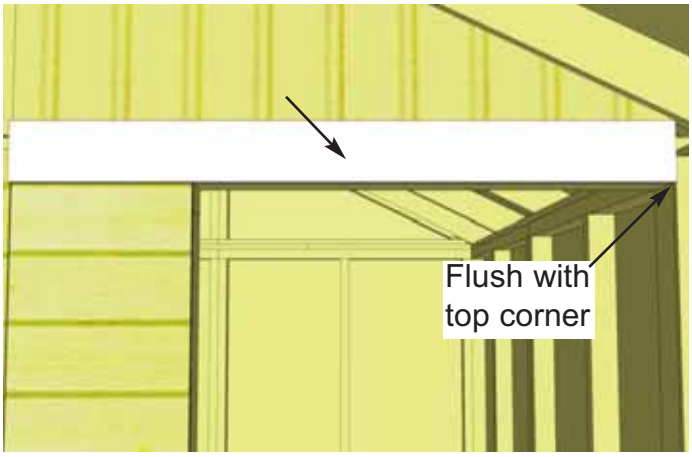



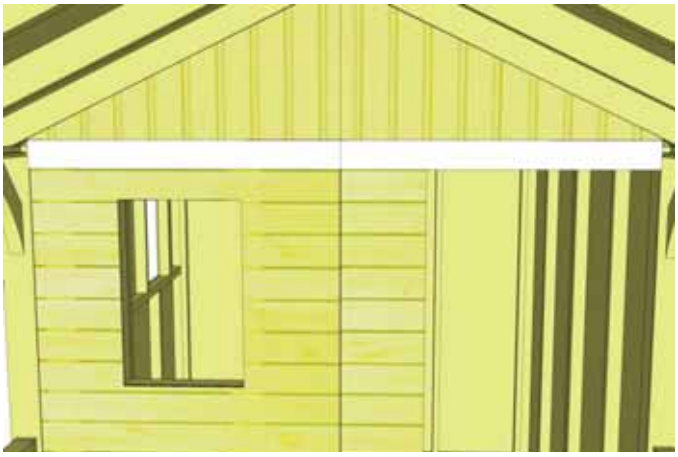

**67.** To further secure roof panels, from the inside, drill pilot holes in each Mid Rafter (3 per Rafter) on an angle. Using 3 - 2 1/2" screws, secure rafters to roof plywood. **Note:** from outside, have a helper push roof panel down so plywood sits flush against rafter when securing. In Porch area, angle screw both the mid and outside rafters.

# E. Miscellaneous Section - Part 1

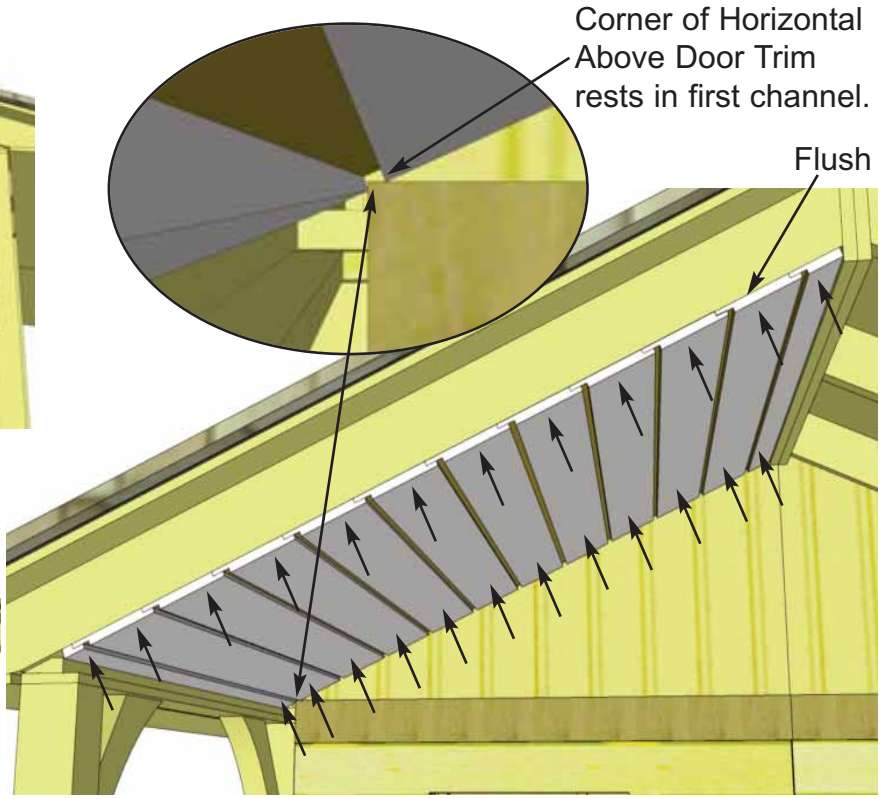
**Exploded view of all parts necessary to complete the first part of the Miscellaneous Section. Identify all parts prior to starting.**





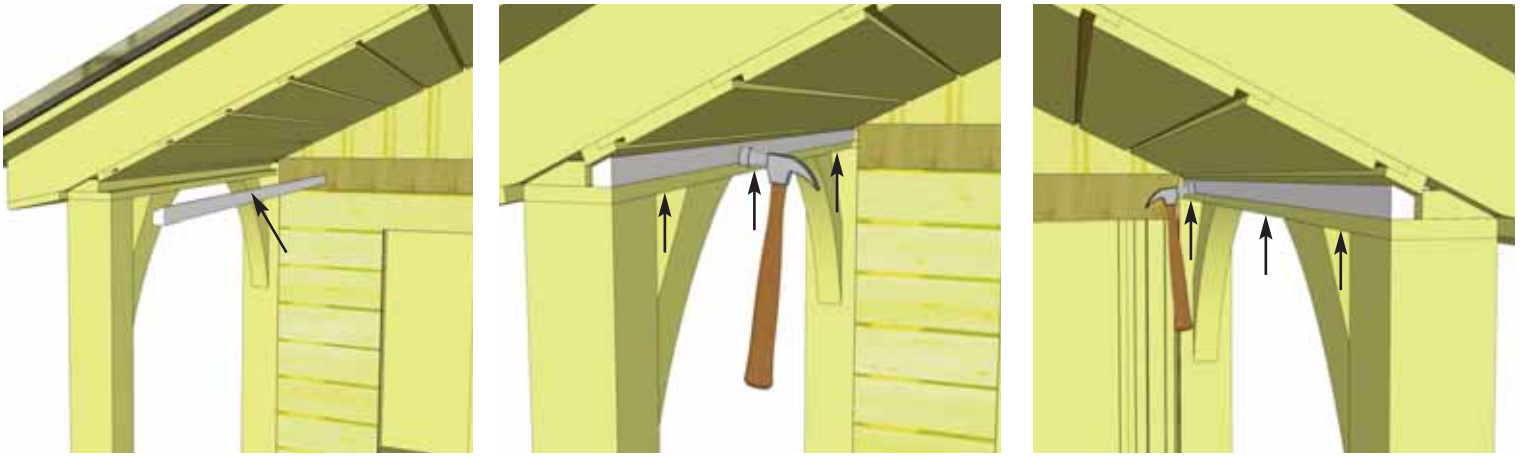



**68**. Attach **Horizontal Above Door Trim** (1/2” x 3 1/2” x 44”) with right side piece aligned flush with the top corner of doorway. Attach with 4 - 1 1/2” finishing nails per piece.

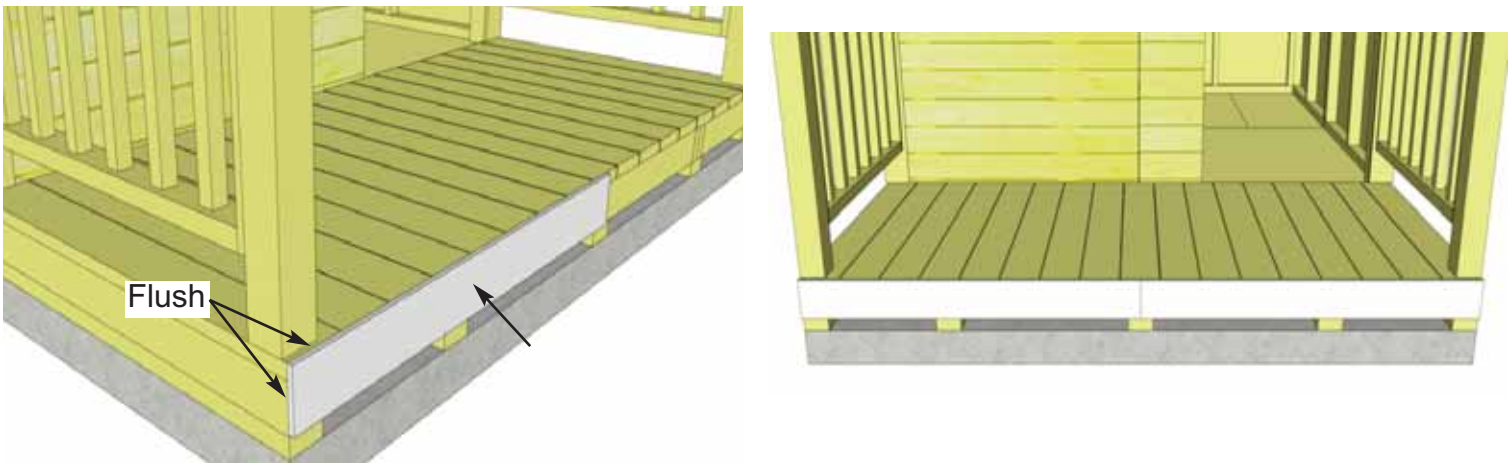



**69**. Position **Porch Ceiling Panels** underneath rafters with channels facing downward. To fit with the rafter spacing, there is a Left and a Right Panel. This is indicated by a sticker on the back of each panel. The left panel will go onto the left side of the porch roof when viewing the shed from the front.

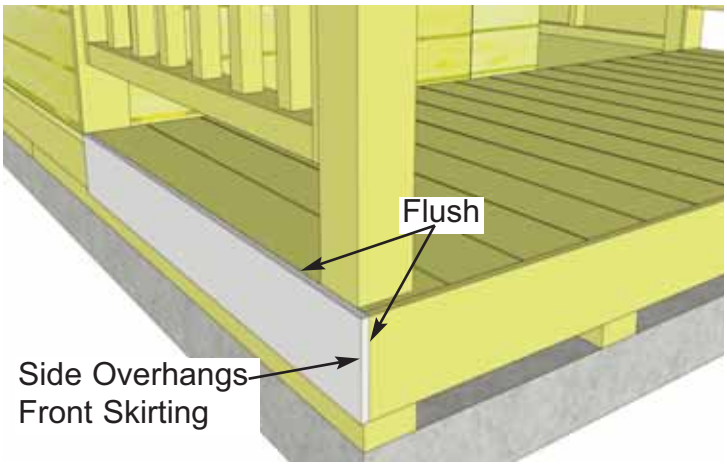
The corner of the Horizontal Above Door Trim will rest in the first channel of the Porch Ceiling Panel. You will need a helper to hold the panel in place while you attach with 1 1/2” finishing nails. Attach one nail through both ends of each panel strip into the rafters above. It may be helpful to add a few nails to the center rafter. Attach other panel the same.

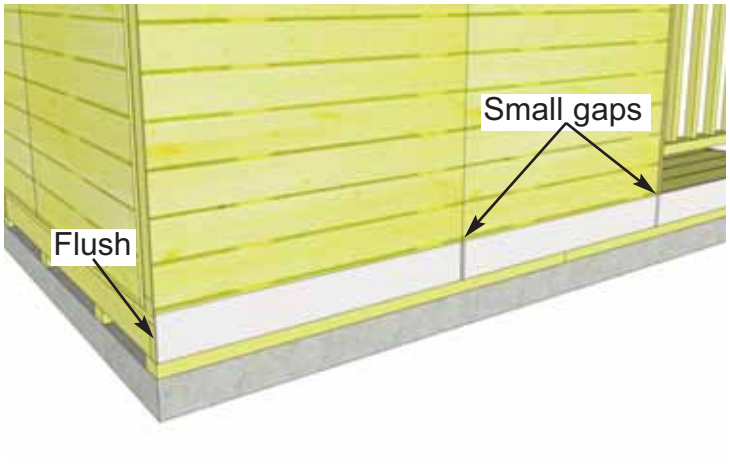


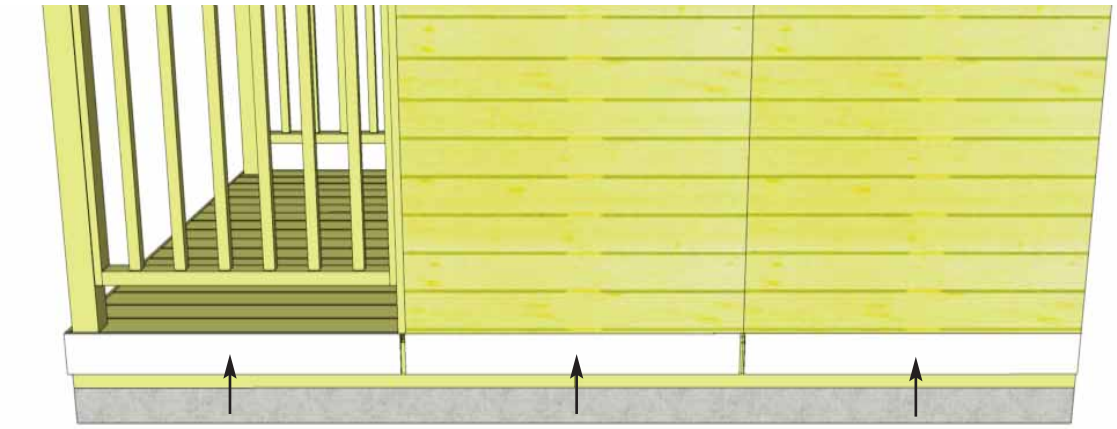
**70**. Insert **Porch Ceiling Support Strips** (3/4” x 1” x 45” - Angle Edge Cut) into the gap between the top of the Porch Rail Section and the Porch Ceiling Panel. Gently tap into place with a hammer. Once in place, attach each piece with 3 - 1 1/2” finishing nails up through the Porch Rail Section into the Support Strips.



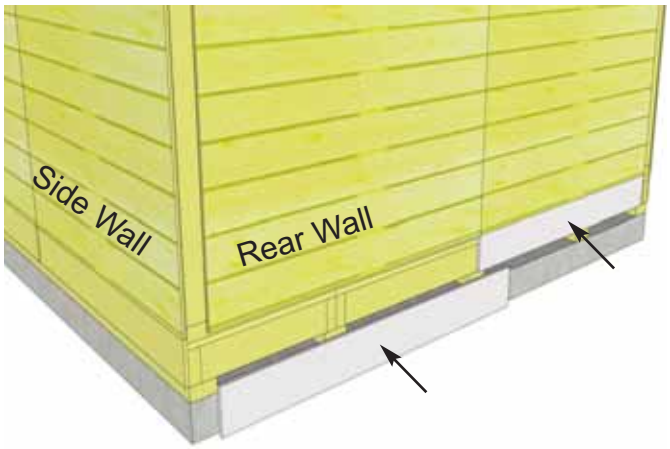

**71.** Attach **Front Bottom Skirting** (1/2” x 4 1/2” x 48”) around the base of the shed. Skirting will hide floor framing. Start with Front Skirting positioned flush with the top of the deck boards and the side of the floor frame. Attach with 6 - 1 1/2” finishing nails per piece.

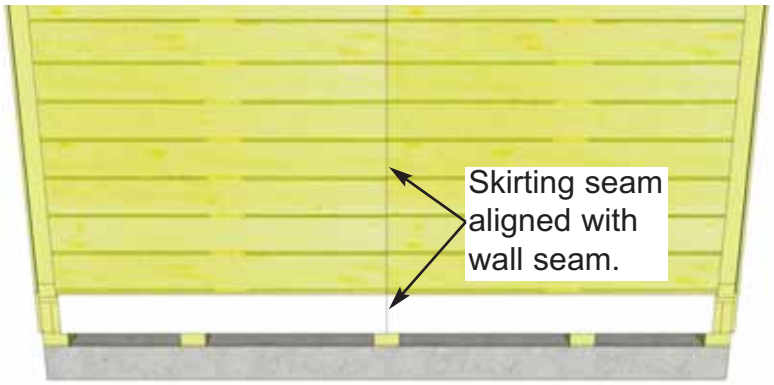


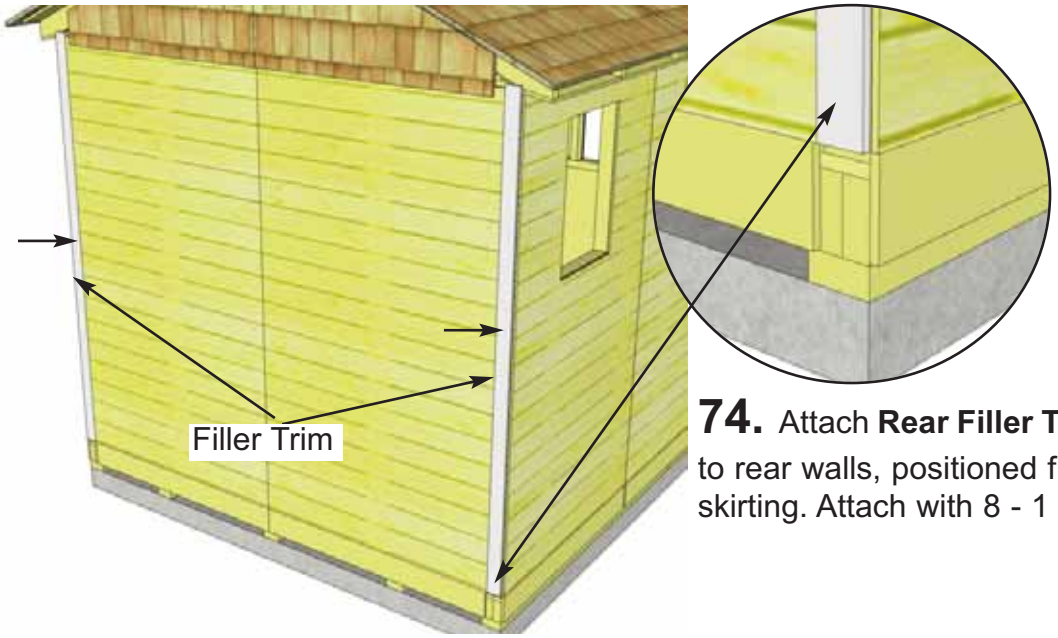



**72.** Position **Side Bottom Skirting** (1/2” x 4 1/2” x 45 1/4”) on the side of the shed. The piece on the porch section will overlap the Front Skirting and the back piece will be flush with the floor framing in the back. Position the center piece so the small gaps are spaced evenly, these gaps will be covered by vertical trim later in **Step 76**. Attach with 4 - 1 1/2” finishing nails per piece.



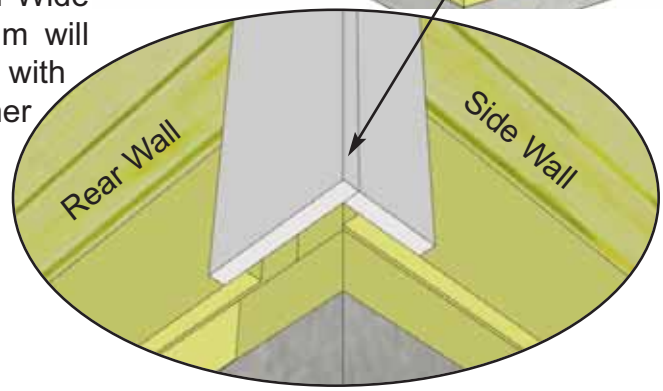




**73.** Position **Rear Bottom Skirting** (1/2” x 4 1/2” x 45 1/4”) on the back of the shed so the two pieces butt up together in line with the wall seam. Rear Skirting should be aligned vertically with the Front and Side Skirting. Attach with 4 - 1 1/2” finishing nails per piece.

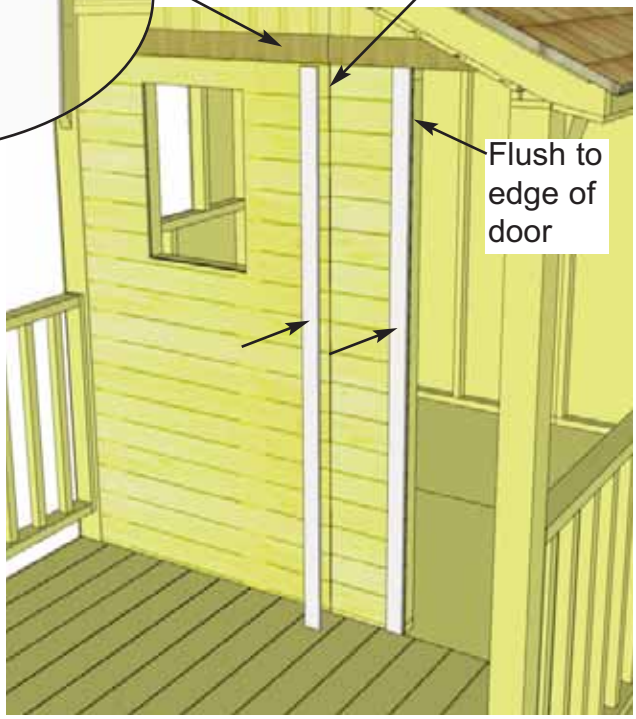



**74.** Attach **Rear Filler Trims** (2 - 1/2" x 2 1/2" x 75") to rear walls, positioned flush with siding and bottom skirting. Attach with 8 - 1 1/2" finishing nails.

**75.** Position **Narrow Trim** (2 - 1/2" x 2 1/2" x 79") in rear corner and **Rear Wide Corner Trim** (2 - 1/2" x 4 1/2" x 82") over filler trim. Prior to attaching, do a dry run with Narrow Trim butted up tight underneath the Soffit. Position Wide Trim evenly with Narrow Trim at bottom. Wide trim will overhang sidewall by 1/2" to cap Narrow Trim. Attach with 8 - 1 1/2" finishing nails per piece. Do other rear corner the same.

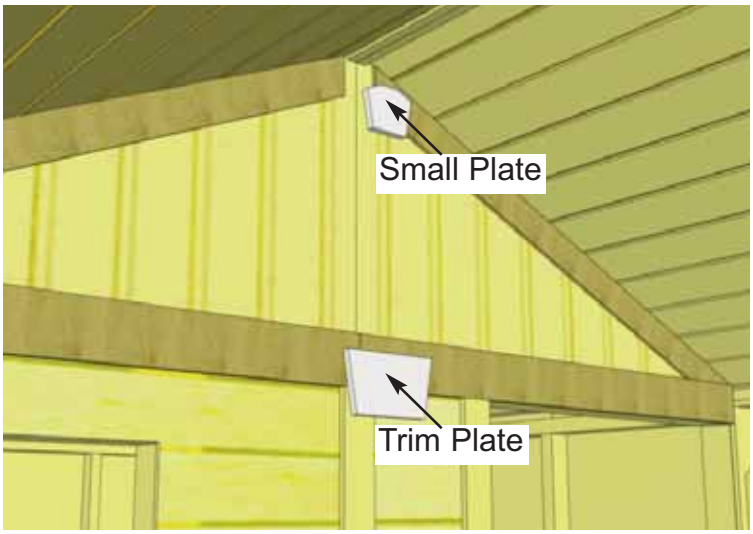


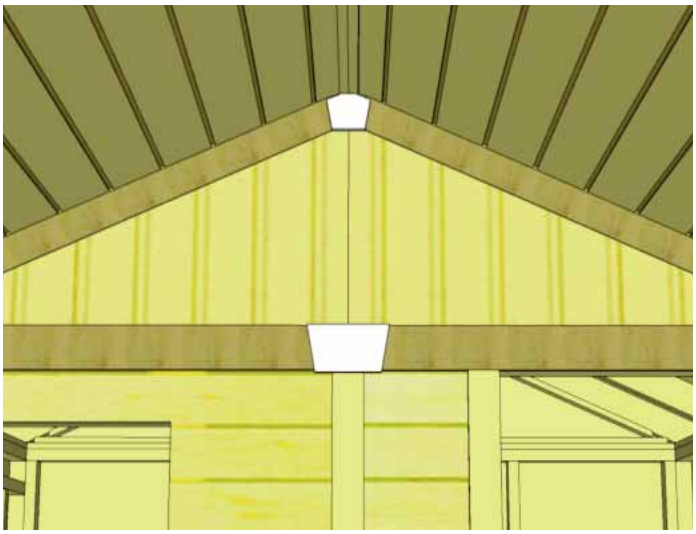
**76.** Attach four remaining **Narrow Trims** (4 - 1/2” x 2 1/2” x 79”) to both sides of the shed. Use 8 - 1 1/2” finishing nails per piece.




**77.** Attach **Rear Wall Seam Trim** (1 - 1/2” x 2 1/2” x 75”) where back wall panels meet. Secure with 8 - 1 1/2” finishing nails. Attach both **Porch** & **Door Trims** (2 - 1/2” x 2 1/2” x 72”) to front walls. Use 6 - 1 1/2” finishing nails to secure each trim piece.


**78.** Position **Porch Roof Seam Trim** (2 - 1/2" x 2 1/2" x 45 7/8") so the sharp angle of each piece is tight into the corner between Poch Ceiling and Horizontal Above Door Trim. Attach with 4 - 1 1/2" finishing nails per piece.

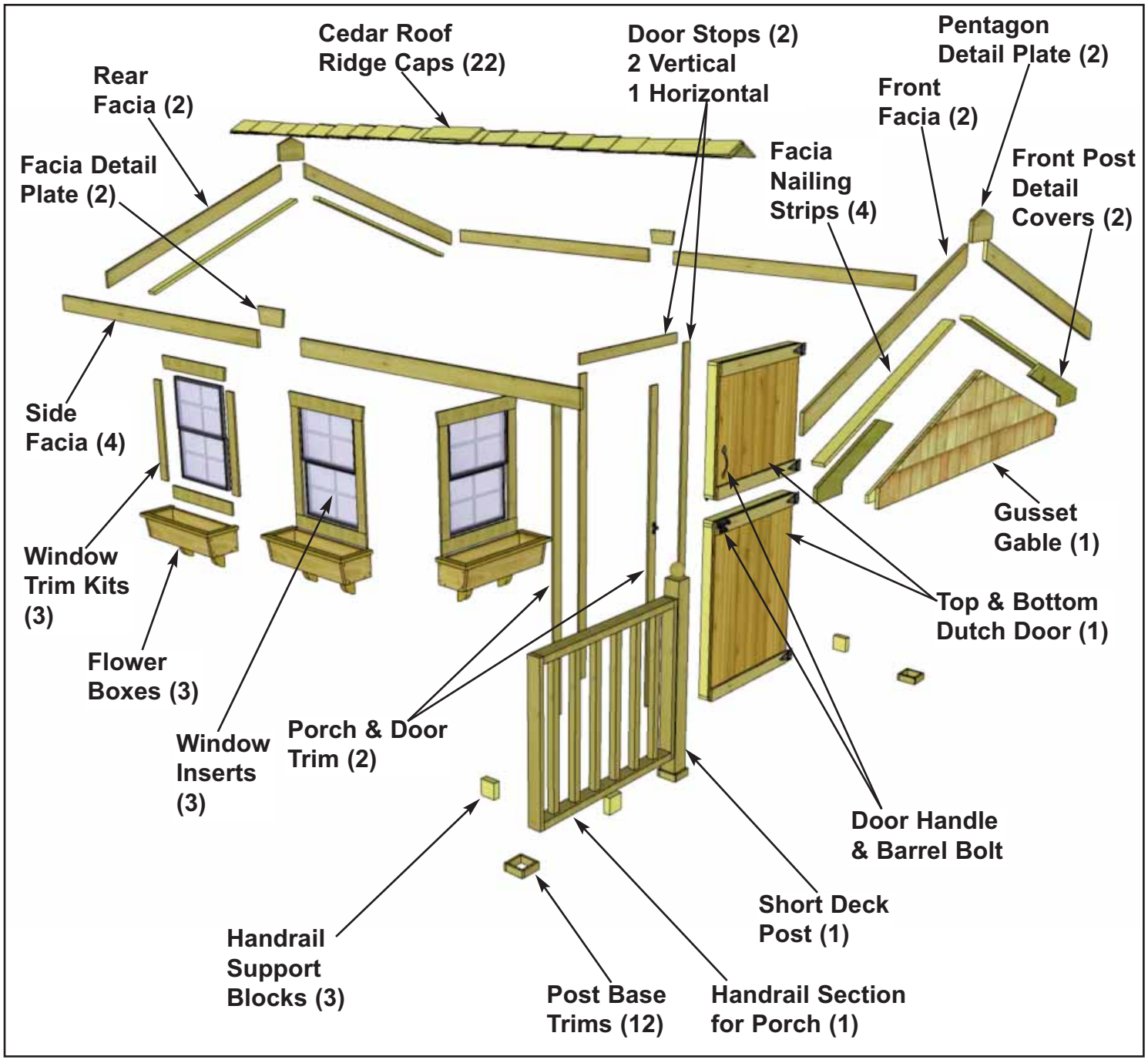


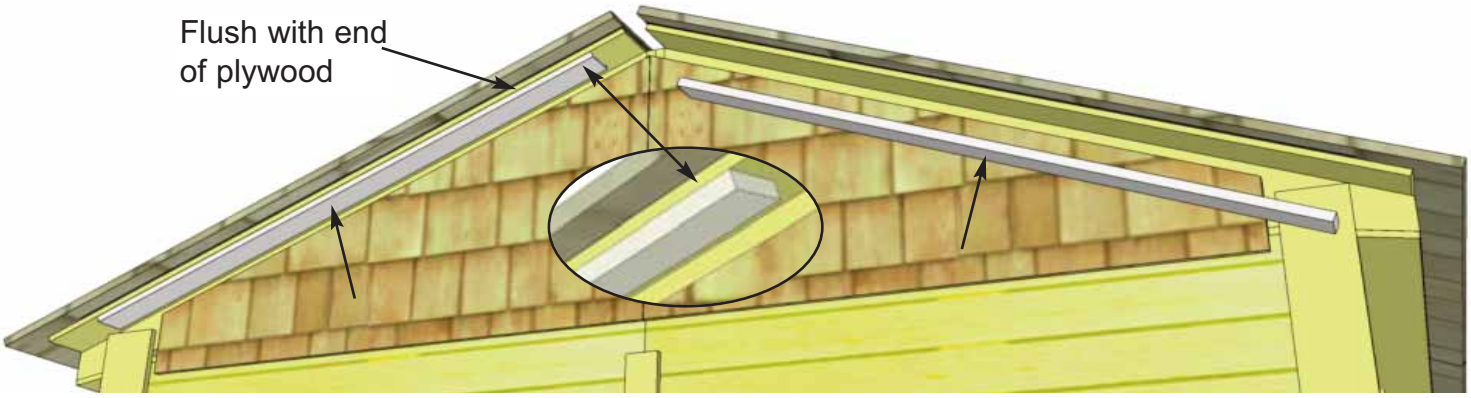



**79.** Position **Small Porch Detail Plate** and one **Facia Detail Plate** to cover trim seams. Attach with 4 - 1 1/2" finishing nails per piece.

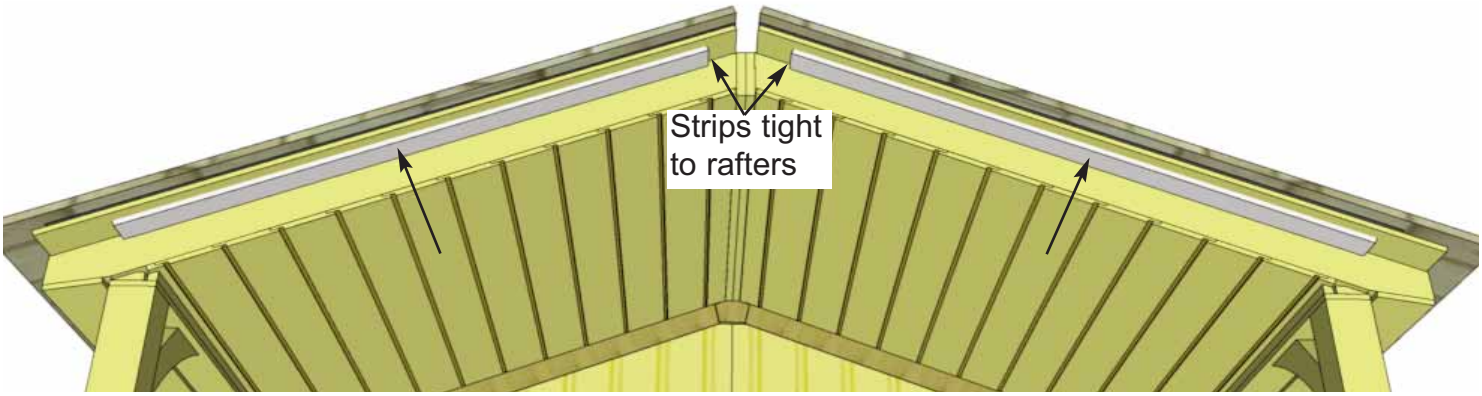
# E. Miscellaneous Section - Part 2

**Exploded view of all parts necessary to complete the second part of the Miscellaneous Section. Identify all parts prior to starting.**



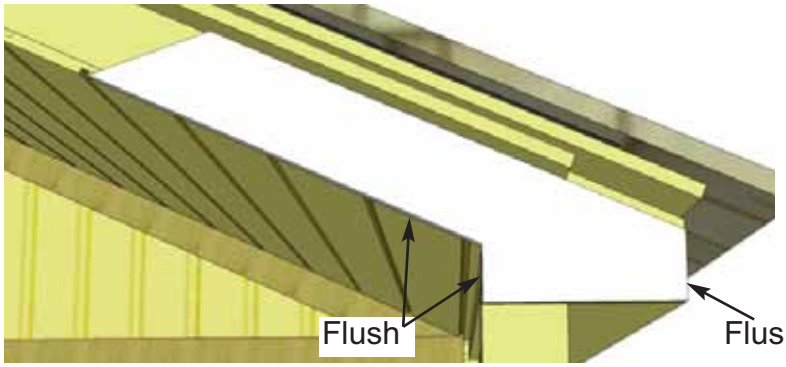


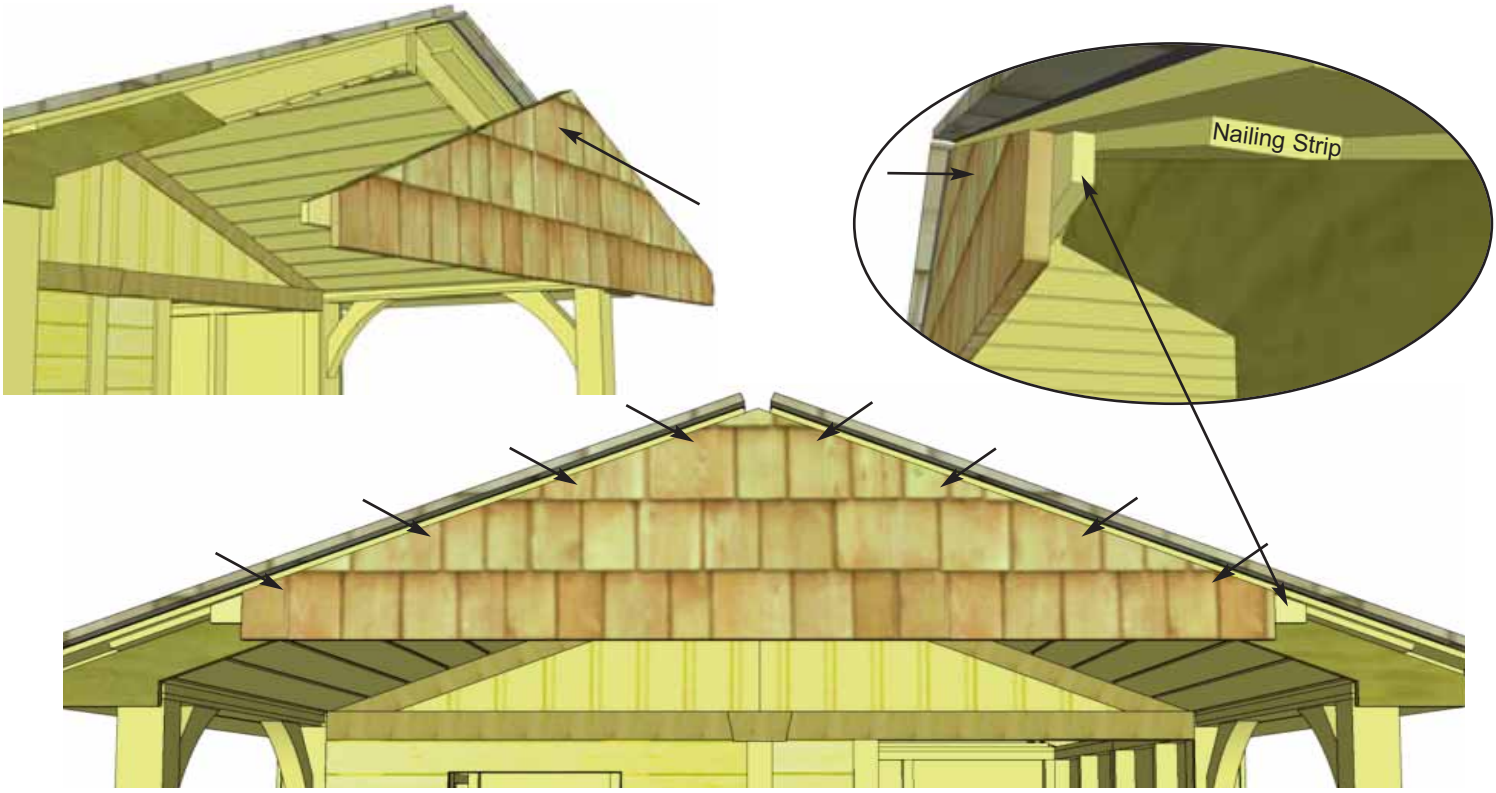

**80.** Attach two **Roof Nailing Strips** (2 - 3/4" x 2 1/2" x 48") to the underside of the roof plywood on rear of shed. Align strips flush with plywood ends. Fasten with 4 - 1 1/4" Screws per piece.




**81.** Attach remaining two **Roof Nailing Strips** (2 - 3/4" x 2 1/2" x 48") to the underside of the roof plywood on front of shed. These strips will be pushed tight against the rafters unlike the Rear Nailing Strips. Fasten with 4 - 1 1/4" Screws per piece.

**82.** Position **Front Post Detail Covers** (2 - 3/4" x 5 1/2" x 23 1/4") onto bottom corner of rafters, tight underneath Facia Nailing Strips. Covers should be approximately flush with the bottom of the Porch Roof, the inside of the 4x4 Porch Post, and the Rafter ends. Attach with 4 - 1 1/2" finishing nails per piece.

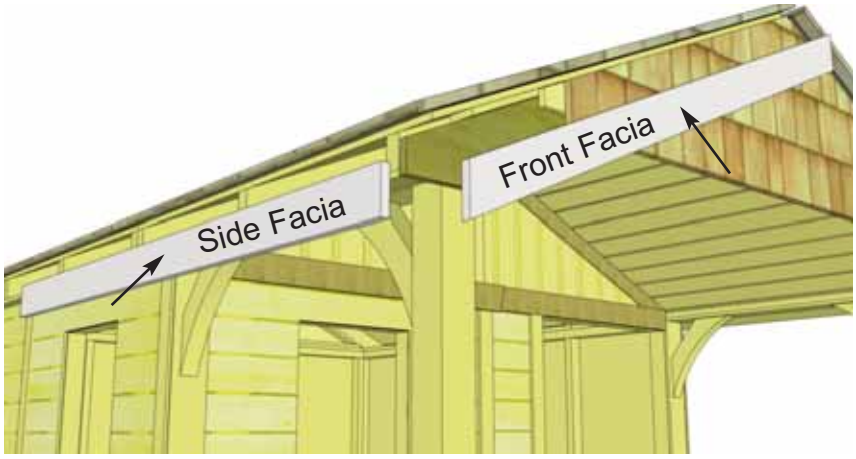



**83.** Position the Gusset Gable onto the front of the shed. Push Gable plywood up tight under roof plywood and against Roof Nailing Strip. Screw through the shingles of the Gusset Gable horizontally into the Roof Nailing Strip with 8 - 2 1/2” screws.


**84.** Position **Rear Facia** (3/4” x 3 1/2” x 58” - angle cut ends) tight underneath roof shingles and tight against Nailing Strips. Temporarily position **Side Facia** (3/4” x 3 1/2” x 71 3/4”) for a dry run to help you correctly position Rear Facia before attaching.

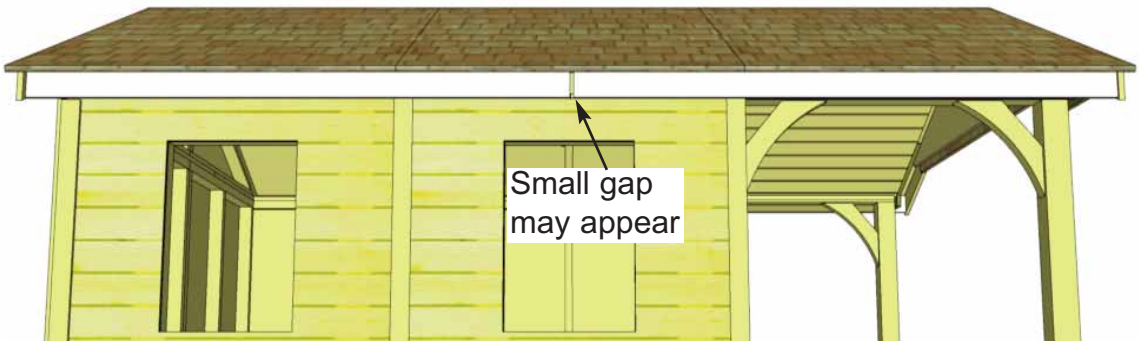

Attach Rear Facia to Nailing Strips with 8 - 1 1/2” finishing nails per piece. A small gap may appear where Rear Facias come together at peak. This gap will be covered in **Step 87.**

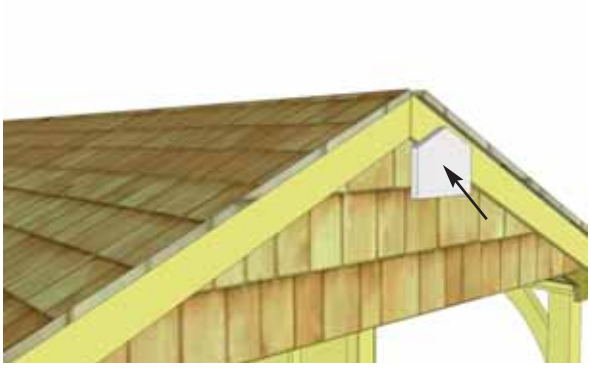


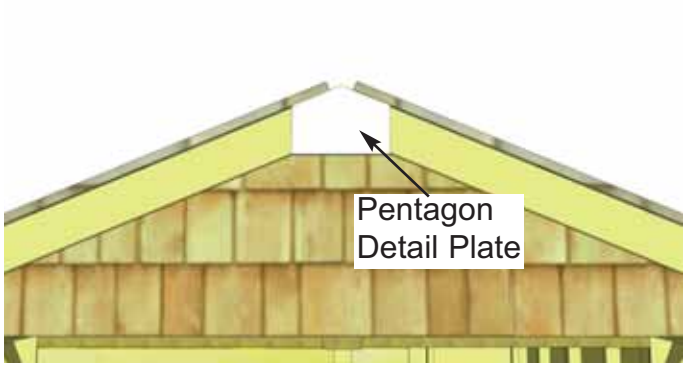

**85.** Position **Front Facia** (3/4” x 3 1/2” x 58” - angle cut ends) tight underneath roof shingles and tight against Nailing Strips. Temporarily position **Side Facia** (3/4” x 3 1/2” x 71 3/4”) for a dry run to help you correctly position Front Facia before attaching.

Attach Front Facia to Nailing Strips with 8 - 1 1/2” finishing nails per piece. A small gap may appear where Front Facias come together at peak. This gap will be covered in **Step 87.**

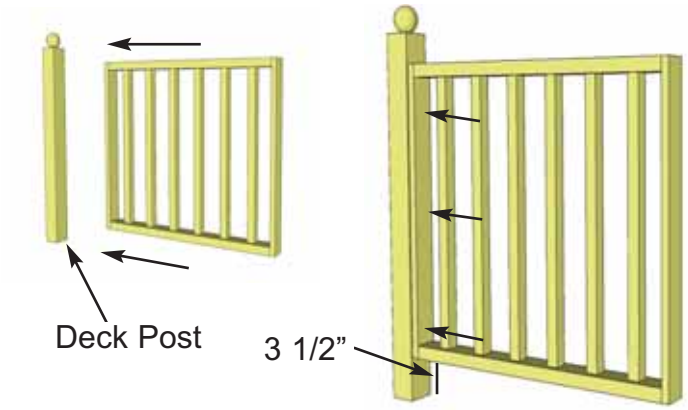

**86.** Attach **Side Facia** (3/4” x 3 1/2” x 71 3/4”) to rafter ends. There are 2 Facia pieces per side. A small gap may appear between Facias, which will be covered in **Step 87**. Secure with 8 - 1 1/2” finishing nails per piece.

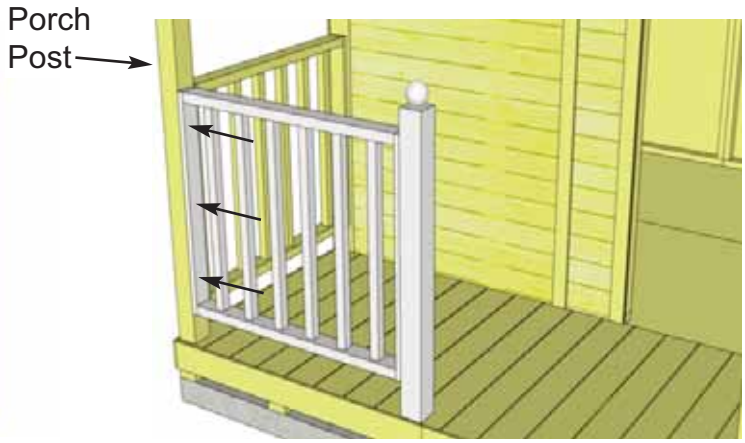


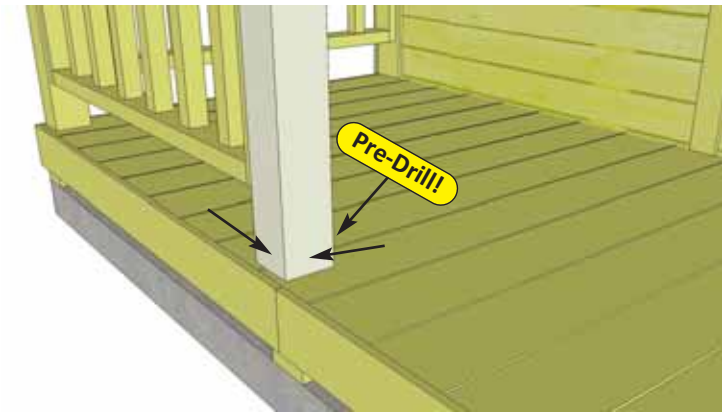



**87.** Attach two **Facia Detail Plates** and both **Pentagon Detail Plates** to cover seams where Facia pieces come together. Secure with 4 - 1 1/2” finishing nails per piece.

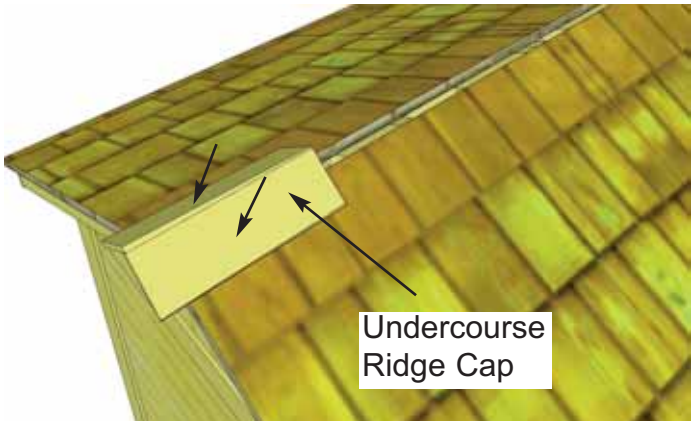


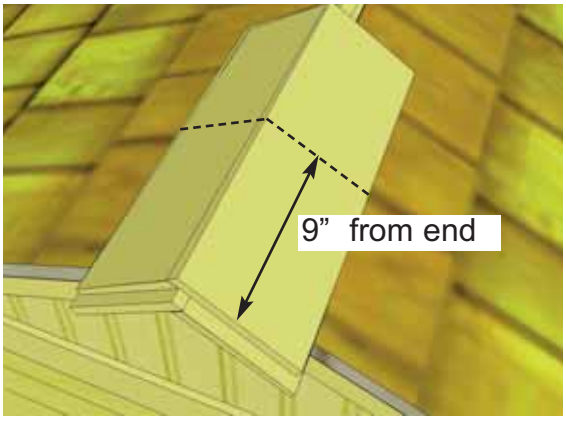




**88.** To complete porch, attach Short Deck Post (3 1/2” x 3 1/2” x 42”) and Handrail Section together with 3 - 2” screws. Measure 3 1/2” from bottom of post to align rail. Place Post/Handrail section on deck. Attach rail to Porch Post with 3 - 2” screws.

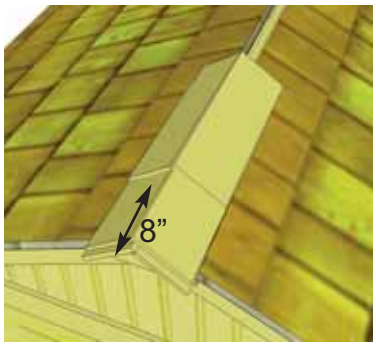


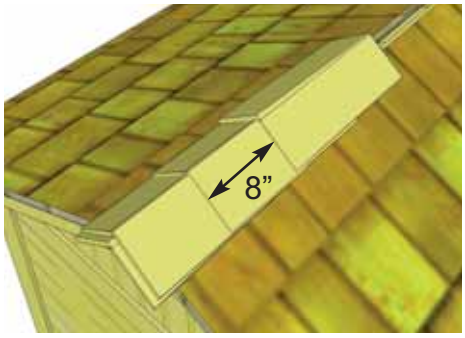

**89.** Toe-nail Short Post to Deck with 3 - 2 1/2” screws. Drill pilot holes to avoid splitting posts.
**Note:** Ensure the screws are low enough on the post to be covered by Post Base Trim in **Step 99**.

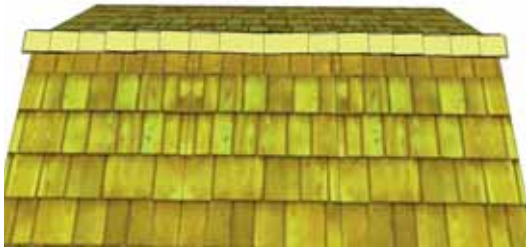


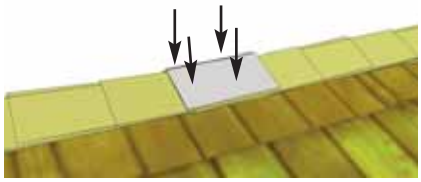

**90.** Place First Roof Ridge Cap (Lower Grade Undercourse Ridge Cap) on roof peak overhanging shingles by approximately 2”. Attach with 2 - 1 1/2” Shingle Nails 9” from end. Place 2nd Ridge Cap 1” back from 1st cap. Attach with 2 - 1 1/2” Shingle Nails 9” from end.

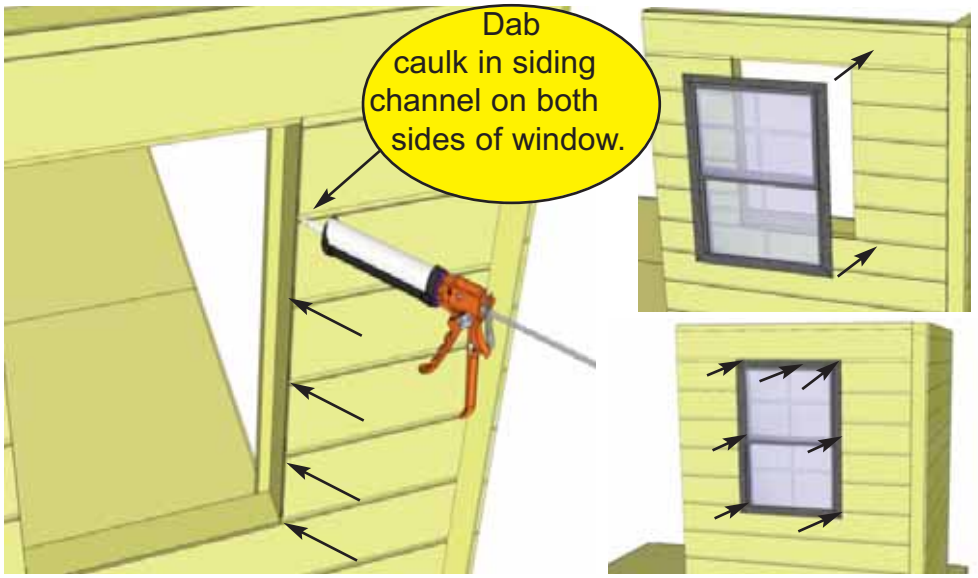


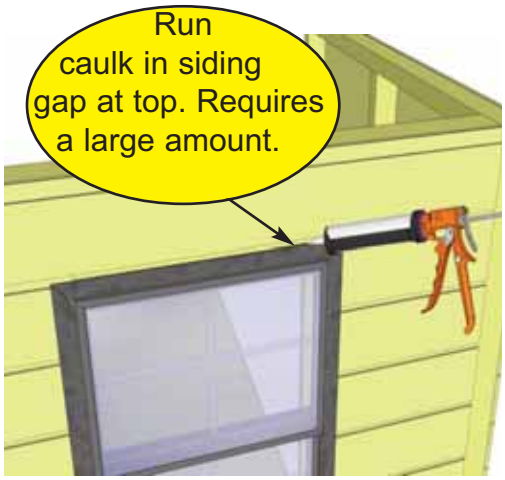
**91.** Place 3rd Ridge Cap 8” back from 2nd (enough to cover shingle nails). Attach 3rd Ridge Cap down as per **Step 90**. Continue to position and attach Ridge Caps until half roof is complete. From opposite side, position and attach Ridge Caps as described above. Score/cut 1 Ridge Cap to 12” or to fit in the center of roof. Attach center cap with 4 - 1 1/2” Shingle Nails.



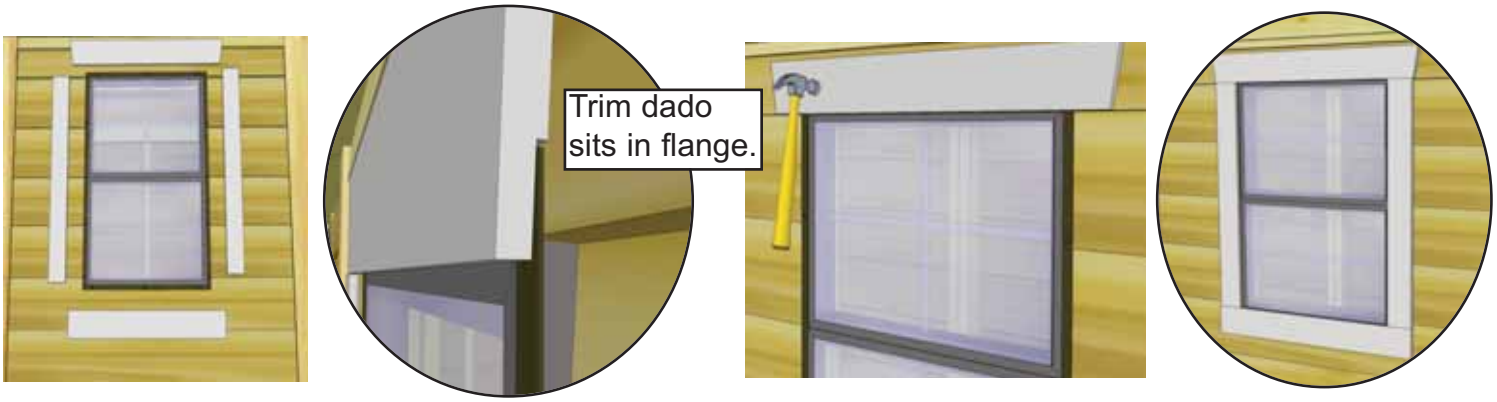




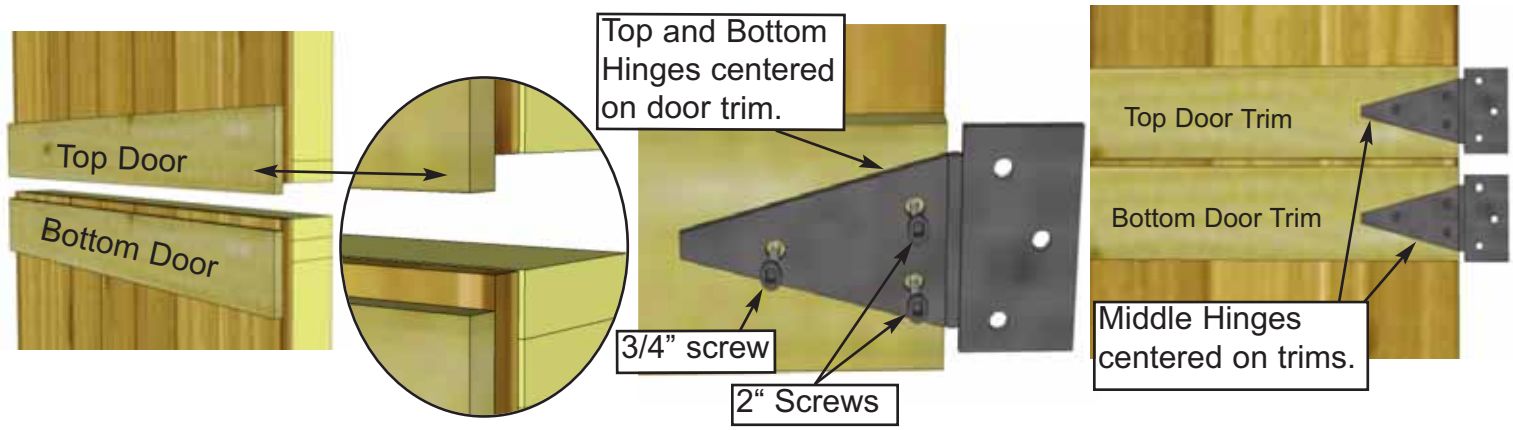


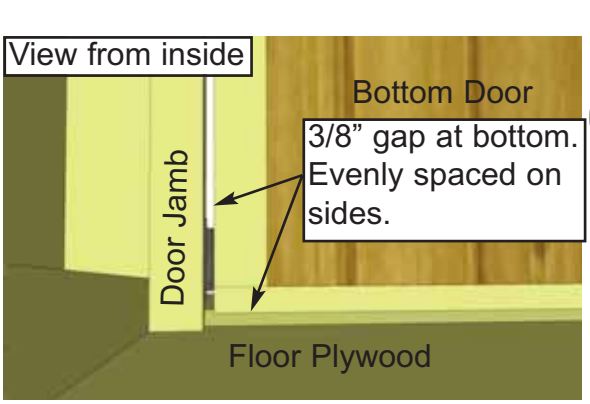

**92.** Locate **Window Inserts for Regular Window Walls**. Before installing, dab caulk in siding channel on both sides of window opening. This will prevent water from getting in behind window. Position window in cavity and secure with 8 - 1 1/4” screws. Caulk gap between siding and window at top. This requires a large amount of caulking but is important to fill. Later, Window Trims will be installed to hide caulking.

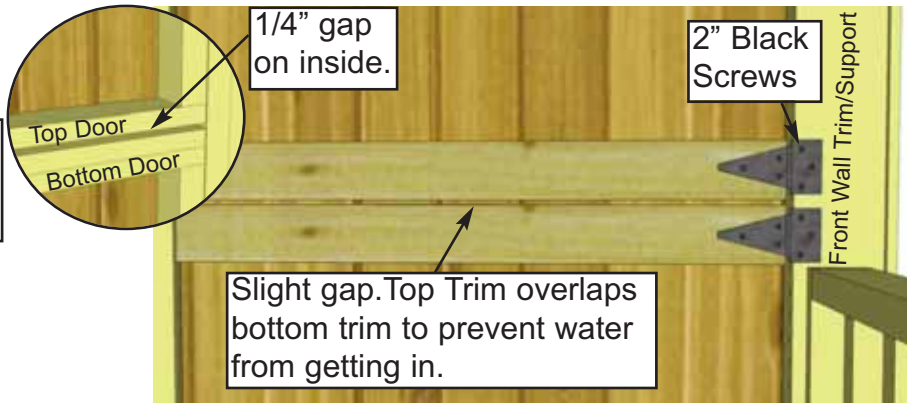



**93.** Position Window Trim around window doing a dry run first and attach with 4 - 1 1/2" finishing nails per piece. Each Window Trim Kit contains 1 x 24 1/16" = Top Piece (angle cut on ends) and 3 x 23" = Side & Bottom Pieces. Window trim has a small dado on reverse face. Outside flange of window will roughly sit in the dado to give a better fit.



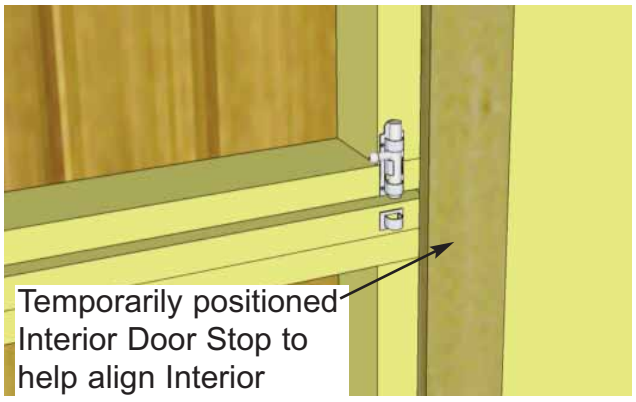

**94.** Attach Door Hinges to **Top** and **Bottom Dutch Door** sections. Top Door has trim overhanging door at bottom while bottom door has trim recessed slightly. Hinges should be centered on door trim with barrel nudged to end of trim. Use 2" & 3/4" black headed screws as shown above.



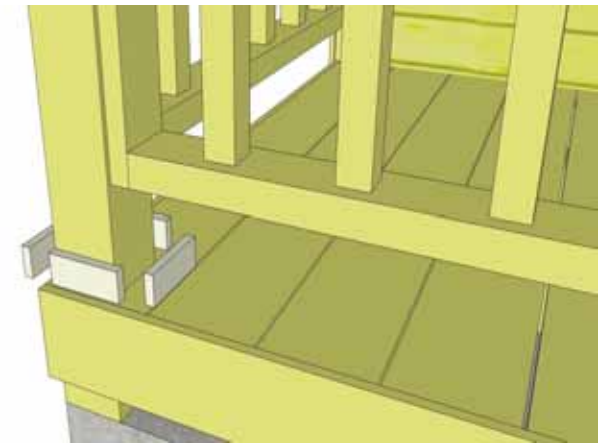

**95.** Place Bottom Dutch Door panel into position. Gap 3/8" on bottom, evenly space on sides, and attach hinge to Front Wall Trim/Support with 2" black headed screws. Use shim to help keep the door evenly spaced on bottom. One of the extra roof shingles (see parts list) can be used.

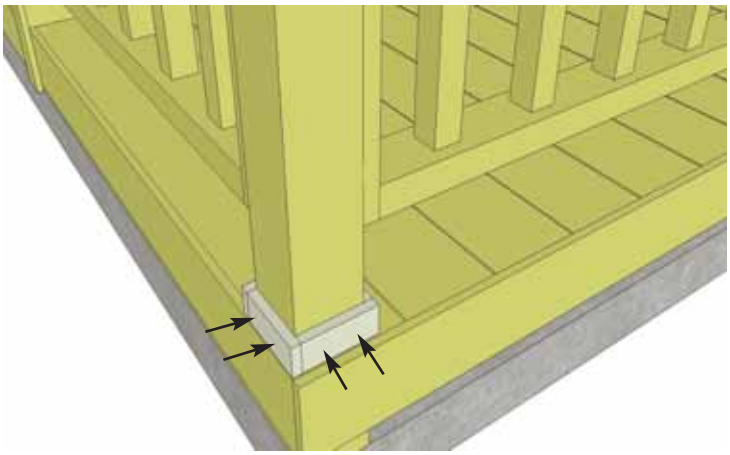
**96.** Place the Top Dutch Door Panel into place and gap top and bottom trims on the outside about 1/8" apart. On the inside, horizontal door frames should be about 1/4" apart. Use a shim once again to help you. Attach hinges to Front Wall Trim/Support with 2" black headed screws provided.

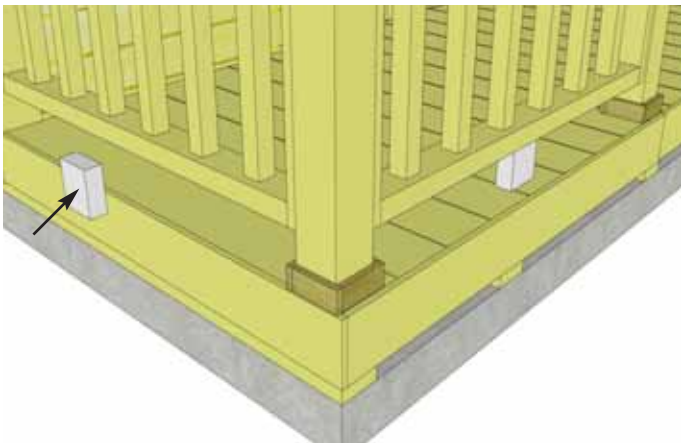


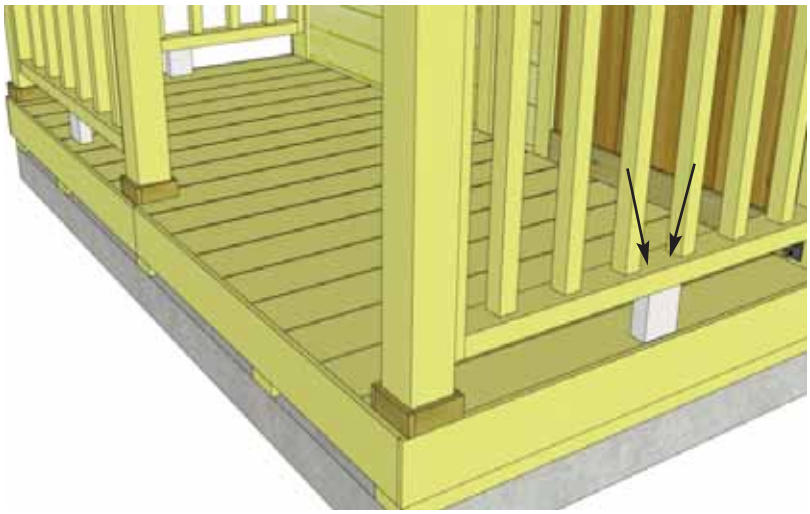

**97.** Attach **Door Handle, Exterior Barrel Bolt** and **Interior Barrel Bolt** to door. Handle is positioned on top door, Barrel Bolt on bottom door and Interior Barrel Bolt to top door stud. Attach Barrel Bolts with 3/4" Black Screws. Note how female part of Barrel Bolt is positioned higher than male. Do a dry run first to position Barrel Bolt correctly. **Important:** Drill shallow pilot holes with 1/8" drill bit prior to securing with screws to prevent wood splitting.

**98.** Attach **Horizontal Door Stop** (1/2" x 2 1/2" x 35 1/4") and **Vertical Door Stops** (1/2" x 2 1/2" x 72") to door jamb and wall framing. Use 4 - 2" screws to secure Horizontal Stop, and 6 - 2" screws per Vertical Stop. Door Stops should overhang the door by approximately 1/2". Start with the Horizontal Stop first.









**99.** Attach **Post Base Trims** (1/2” x 1 1/2” x 4”) to bottom of porch posts. Attach with 1 1/2” finishing nails. Next, place **Handrail Support Blocks** (1 1/2” x 3 1/2” x 3 1/2”) beneath Handrails, centered side-to-side and front-to-back. Attach each block with 2 - 2 1/2” screws through the Handrail bottom.

**100.** Assemble **Flower Box Kit** with Assembly Instructions included. Position completed Flower Box below bottom of window trim and secure with 2 - 2” screws per box. Screw from inside of box into the center wall stud. Attach second screw 2” underneath first screw and once again into the wall stud.

**Congratulations on building your 8x12 Santa Rosa Garden Shed!**

**Note:** Our Sheds are shipped as unfinished products. If exposed to the elements, the western red cedar lumber will weather to a silvery-gray color. If you prefer to keep the cedar lumber looking closer to the original color, we suggest that you treat the wood with a good oil base wood stain. You may also wish to paint your new shed rather than stain it. In both cases we recommend that you consult with a paint and stain dealer in your area for their recommendations.

We hope your experience constructing our building has been both positive and rewarding.

We value your feedback and would like to hear back from you on how well we are doing in the following areas:

**1. Customer Service**
**2. On Time Shipping**
**3. Motor Freight Delivery**
**4. Quality of Materials**
**5. Assembly Manual**
**6. Overall Satisfaction.**

Please call, write or email us at:


Canadian Address
9393 287th Street
Maple Ridge, British Columbia
Canada V2W 1L1

United States Address
P.O. Box 96
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USA 98295