



8x12 SpaceMaker - Bevel Assembly Manual

Version #2.1
September 25, 2020

Thank you for purchasing a 8x12 SpaceMaker. Please take the time to identify all the parts prior to assembly.



Safety Points and Other Considerations

Our products are built for use based on proper installation on level ground and normal residential use. Please follow the instruction manual when building your shed and retain the manual for future maintenance purposes.

Customers are responsible for ensuring a solid, level, well-draining site for construction.

Please check with your local municipal or county by-laws before ordering this product to confirm it complies with building codes.

- Snow load ratings vary by geographical location. If heavy or wet snowfall occurs, it is advisable to sweep snow off roof frequently.
- If the product is elevated, any structural and building code requirements are solely the customer's responsibility, and should be abided by.
- In areas with high or gusty wind conditions, it is advisable to install the structure securely to the ground.
- Have a regular maintenance plan to ensure screws, doors, windows and parts are tightly affixed.



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

In the event of a missing or broken piece, 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.

All structures purchased from Outdoor Living Today are covered for a period of one year for defects in manufacturing and workmanship. Costs incurred for customer installations are not included.

Failure to use supplied parts included in this kit could result in poor product performance and may void your warranty. Please contact Outdoor Living Today's Customer Toll Free Line if you plan to deviate from our written instructions.

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

A. Floor Section	Parts List - Pages 2 and 3	Steps ↓
Floors ----- 3 - 45 1/2" x 75" - Floor Joist Frames - Large 3 - 45 1/2" x 21" - Floor Joist Frames - Small 6 - 1 1/2" x 3 1/2" x 71 7/8" - Center Floor Joists - Unattached 10 - 1 1/2" x 3 1/2" x 68 3/16" - Floor Runners 3 - 45 3/8" x 74 7/8" - Plywood Floor - Large 3 - 45 3/8" x 20 7/8" - Plywood Floor - Small		1-12
B. Wall Section Main Wall Panels ----- 7 - 45 1/2" x 75" - Solid Wall Panels 7 - 1 1/2" x 2 1/2" x 45 1/2" - Bottom Wall Plates 1 - 45 1/2" x 75" - Window Wall Panels 2 - 12" x 73" - Narrow Wall Panels Door Header & Jamb ----- 2 - 1 1/2" x 3 1/2" x 73" - Vertical Door Jamb 1 - 2" x 3 1/2" x 78" - Door Header - Long (Dado on edge) 2 - 2" x 3 1/2" x 6 1/2" - Door Headers - Short (Dado on edge) Top Wall Plates & Gables ----- 6 - 3/4" x 2 1/2" x 32" - Front & Rear Top Plates (4 pieces angle cut on end, 2 piece straight cut both ends) 4 - 3/4" x 2 1/2" x 65 3/4" - Side Top Plates (angle cut edge) 4 - Gable Half Walls - Triangular Shaped		Steps ↓ 13-19 20-22 24-27
C. Rafter and Roof Section Rafter Assembly ----- 2 - 3/4" x 4 1/2" x 84" - Roof Ridge Boards 2 - 3/4" x 4 1/2" x 52 1/2" - Roof Ridge Boards 18 - 1 1/2" x 3 1/2" x 56 1/2" - Roof Rafters 4 - 1/2" x 4 1/2" x 68 1/4" - Soffits 3 - 3/4" x 3 1/2" x 72" - Roof Gussets (angle cut on ends) Roof ----- 4 - Outer Roof Panels (Shingles overhanging roof plywood on 1 side) 2 - Middle Roof Panels (Shingles flush with roof plywood both sides) 16 - Filler Shingles - Long 4 - Filler Shingles - Short		Steps ↓ 28-40 41-50
D. Trim & Miscellaneous Section Outer Wall Trim ----- 10 - 3/4" x 4 1/2" x 45 1/4" - Bottom Skirting (Bevel) 4 - 7/8" x 2 1/2" x 75" - Filler Trim 6 - 3/4" x 1 1/2" x 45 1/4" - Top Wall Trim (Bevel) 2 - Metal Drip Caps - 48" length 2 - 3/4" x 4 1/2" x 45 1/4" - Rear Horizontal Gable Trim (Bevel) 2 - 1/2" x 4 1/2" x 45 1/4" - Front Horizontal Gable Trim 4 - 1/2" x 3 1/2" x 79" - Corner Trim 4 - 1/2" x 5 1/2" x 82" - Wide Corner Trim 4 - 1/2" x 2 1/2" x 79" - Side Wall Narrow Trim 1 - 1/2" x 2 1/2" x 77 1/2" - Rear Wall Narrow Trim 2 - 1/2" x 2 1/2" x 79" - Vertical Door Trim 1 - 1/2" x 1 1/2" x 64" - Horizontal Door Trim 2 - 7/8" x 3" x 9" - Horizontal Narrow Wall Trim (Dado on Edge) Facia Trim ----- 4 - 3/4" x 2 1/2" x 48" - Facia Nailing Strips 4 - 3/4" x 3 1/2" x 58" - Front & Rear Facia (Angle cut ends - 2R/2L) 4 - 3/4" x 3 1/2" x 71 3/4" - Side Facia 2 - Pentagon Facia Plates - For Front & Rear Facia Peaks 2 - Horizontal Gable Trim Detail Plates - 4 1/2" high 2 - Side Facia Detail Plates - 3 1/2" high		Steps ↓ 51-62 63-66

Continued on next page

Note: All Trim, Facia and Bottom Skirting pieces will be positioned rough face out when installed.

Parts List - Pages 2 and 3

Ridge Caps

22 - Cedar Roof Ridge Caps (1 Ridge Cap shorter for center of roof)

Door Section

- 1 - 31 1/2" x 72" - Left Side Door
- 1 - 31 1/2" x 72" - Right Side Door
- 2 - 1/2" x 2 1/2" x 72" - Interior Vertical Door Stops
- 1 - 1/2" x 2 1/2" x 68" - Interior Top Horizontal Door Stop
- 1 - 3/4" x 2 1/2" x 62 1/2" - Door Threshold
- 1 - 1/2" x 2 1/2" x 71" - Interior Door Flange

Miscellaneous

- 1 - Metal Window Insert
- 1 - Window Trim Pkg - (1 - 24 1/16" angle cut / 3 - 23" square cut)
- 1 - Flower Box Kit
- 1 - Spare Wall Siding
- 2 - Spare Shingles - use to shim door, etc












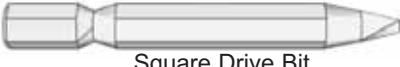



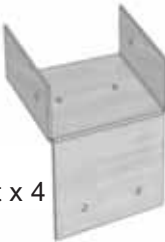

Steps

67-74

77-80

8 x 12 SPACEMAKER HARDWARE SHEET

Hardware Kit (Provided)

S1 - 2 1/2"		310 Pcs	S2 - 1 1/4"		190 Pcs
S3 - 2"		175 Pcs	SS2 - 3/4"		20 Pcs Silver
SB2 - 2"		39 Pcs Black Headed	SB1 - 3/4"		23 Pcs Black Headed
Y3 - Black Handle x 2			N1 - 1 1/2"		370 Pcs Finishing
Y4 - Black Barrel Bolt			N2 - 1 1/2"		60 Pcs Shingle
Y2 - 90° Metal Bracket x 8			BR1		2 Pcs Square Drive Bit
Y1 - Tee Hinge x 6			Y30 - Single Rafter Bracket x 6		
Y6 - Cane Bolt			Y31 - Double Rafter Bracket x 4		
Y9 - Ridge Board Connector x 2					

Tools Required (Not Provided)

			
Hammer	Screw Gun/Drill	Tape Measure	Wood Clamp
			
Level	Pliers	Ladder	Drill Bits

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 1/2 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.

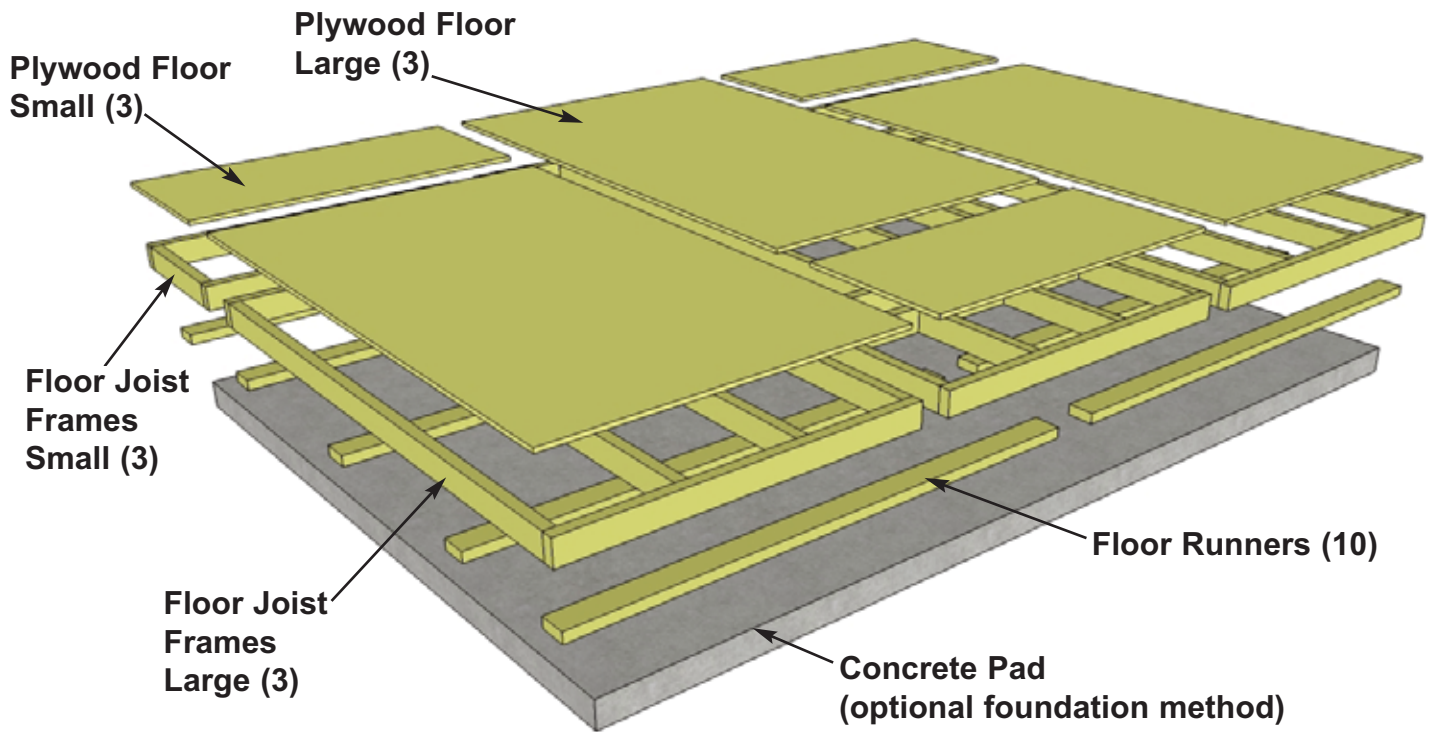
Concrete - Slab Foundation : Typically a slab 3-4 inches thick laid over a sub-base of 4 inches of gravel or crushed rock is sufficient but may vary depending on your geographic location. Using either mix your own concrete or having it delivered by truck, ready to pour, depends on how much time and effort 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" wide x 96" deep.



Flush with framing



1. Lay out **Large Floor Joist Frame** and **2 Floor Joists** 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.

Parts (Steps 1 - 6)

Floor Joists

(1 1/2" x 3 1/2" x 71 7/8") x 6

Floor Joist Frames - Large

(45 1/2" x 75") x 3

Floor Joist Frames - Small

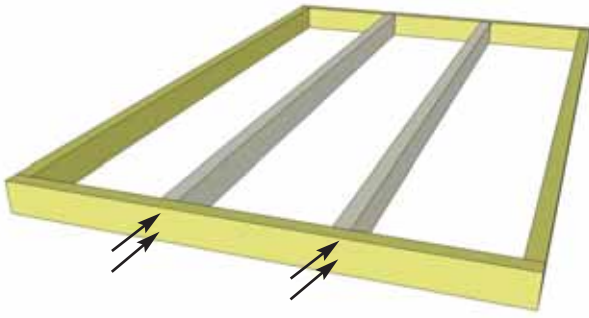
(45 1/2" x 21") x 3

Hardware (Steps 1 - 6)

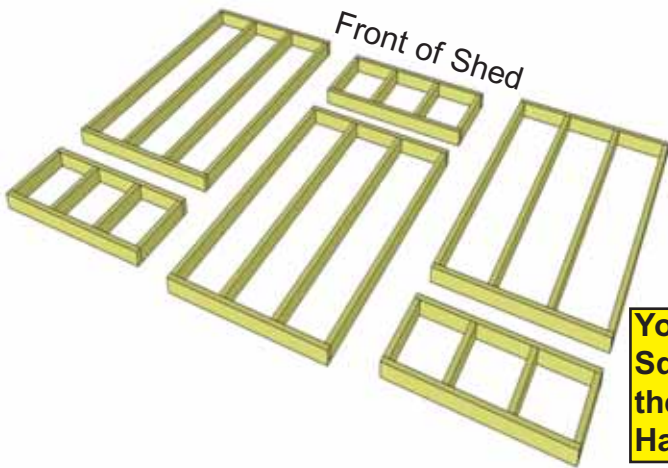
S1 - 2 1/2" Screws

x 58 total

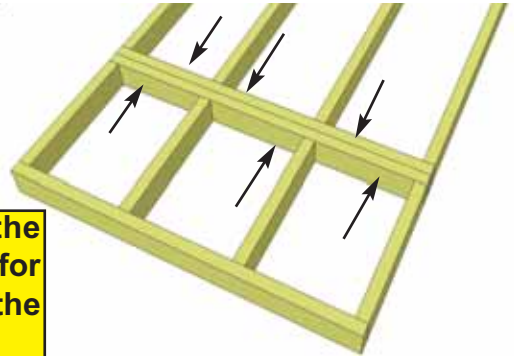
You can find the Square Drive Bit for the screws in with the Hardware Kit Bag.



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.**

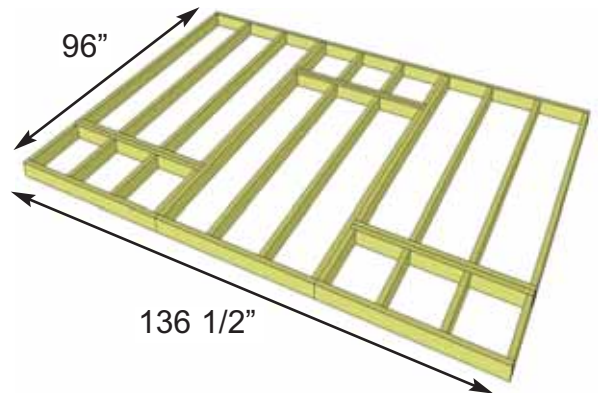


You can find the Square Drive Bit for the screws in with the Hardware Kit Bag.



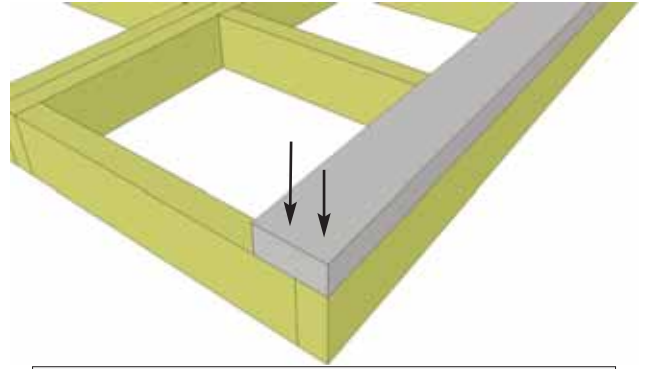
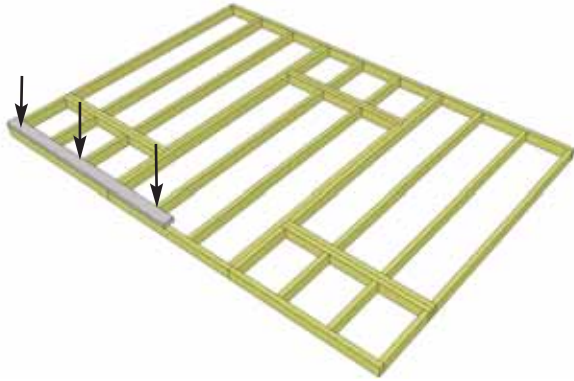
3. Lay out **Floor Joist Frames** as illustrated. There are 3 larger and 3 smaller Frame Sections. The Footprint for the floor when attached together will be 136 1/2" wide x 96" deep.

4. Attach each large and small floor joist frame 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**.

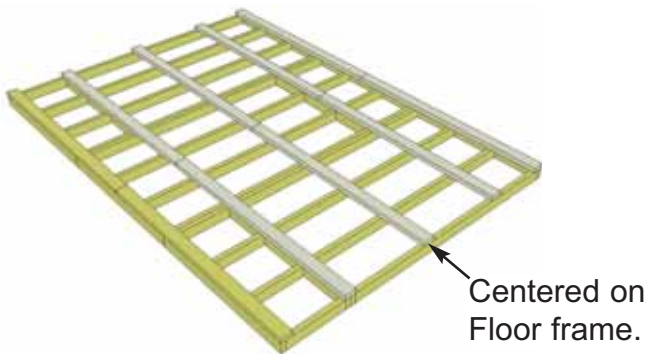
6. When completed, your floor footprint should be 136 1/2" wide x 96" deep.



7. Attach **Floor Runners** 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 Runner.

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

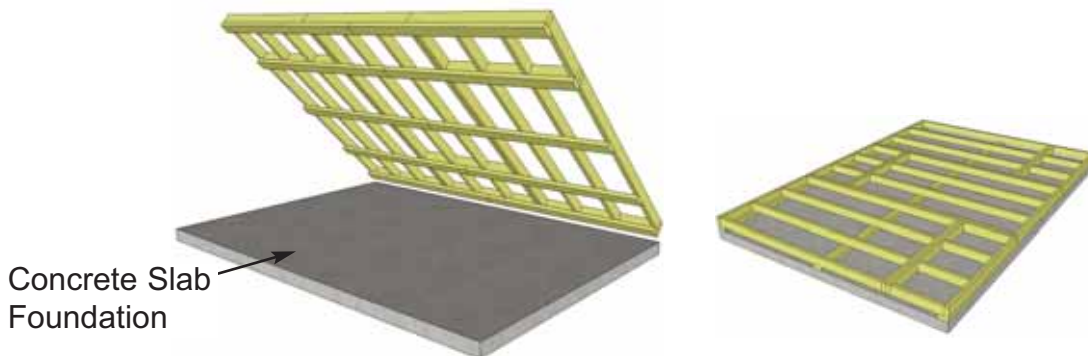
<u>Parts (Steps 7 - 9)</u>	<u>Hardware (Steps 7 - 9)</u>
Floor Runners (1 1/2" x 3 1/2" x 68 3/16") x 10	S1 - 2 1/2" Screws x 60 total



Foundations

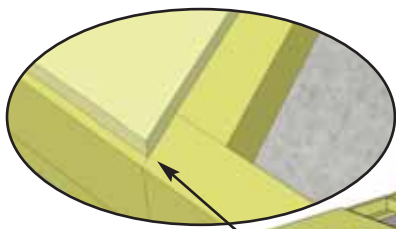
Note: The floor will be flipped over and the floor runners will sit on your foundation. It is important to note, that having a level foundation is critical. Choosing a foundation will vary between regions. Typical foundations can be concrete pads or patio stones positioned underneath the floor runners.

9. Complete remaining Floor Runners.

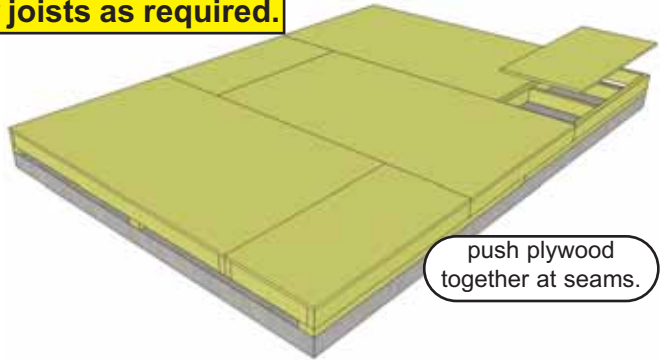
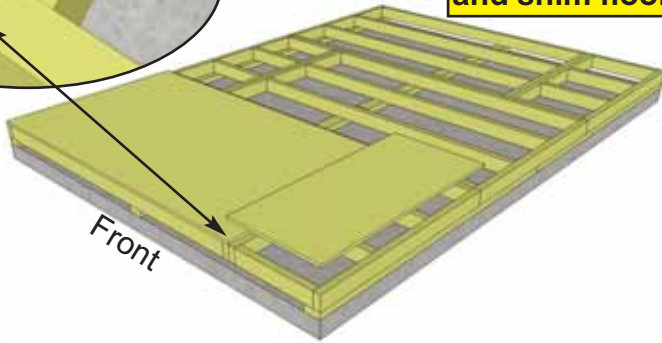


10. With Floor Runners attached, carefully flip the floor over and place on your foundation.

Caution: you will need 2 people to assist you. Be careful when laying floor down not to bend or twist floor. When in place, level floor completely.



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



push plywood together at seams.

11. Position all **Large & Small Plywood Floor** pieces on top of completed floor joists. The Plywood is cut slightly smaller than Floor framing. Keep Plywood seams tight.

Parts (Steps 11 - 12)

Plywood Floor - Large

(45 3/8" x 74 7/8") x 3

Plywood Floor - Small

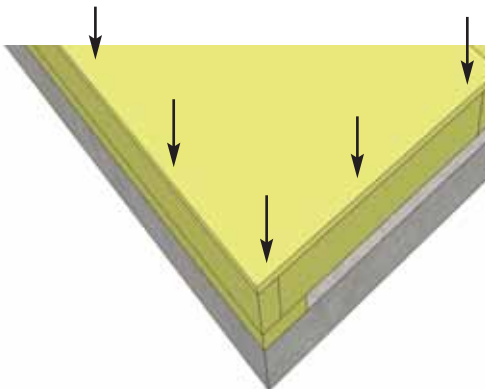
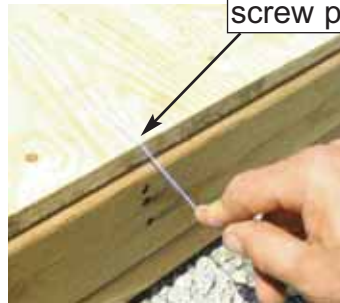
(45 3/8" x 20 7/8") x 3

Hardware (Steps 11 - 12)

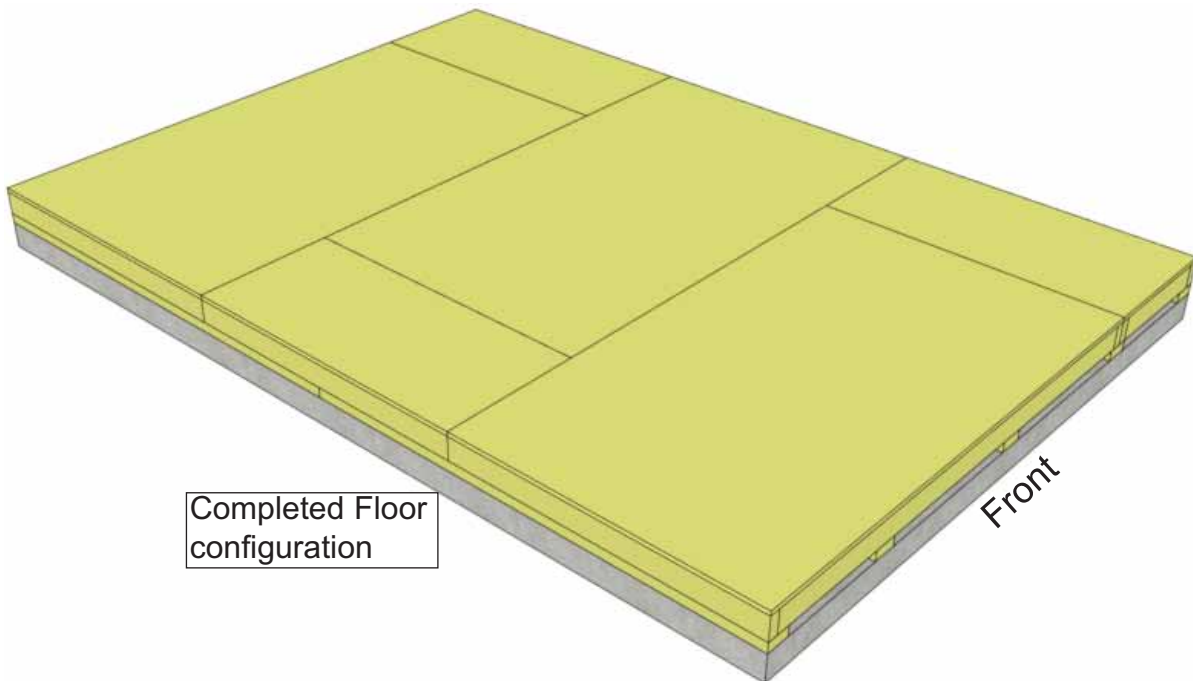
S2 - 1 1/4" Screws

x 70 total (approx)

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



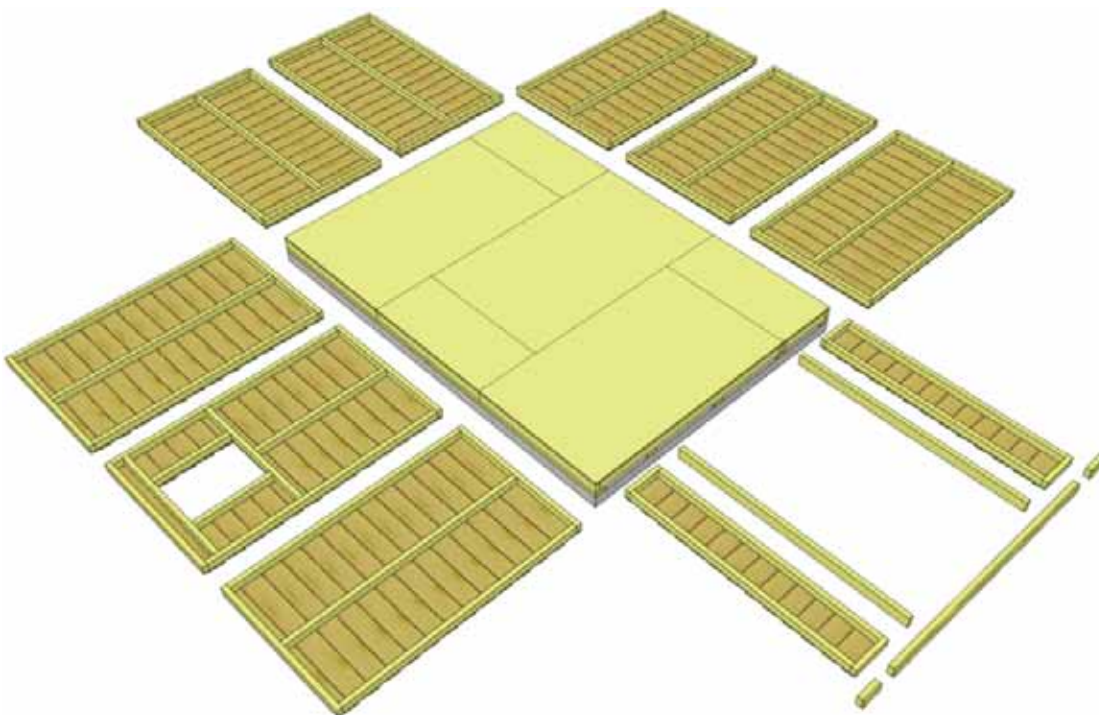
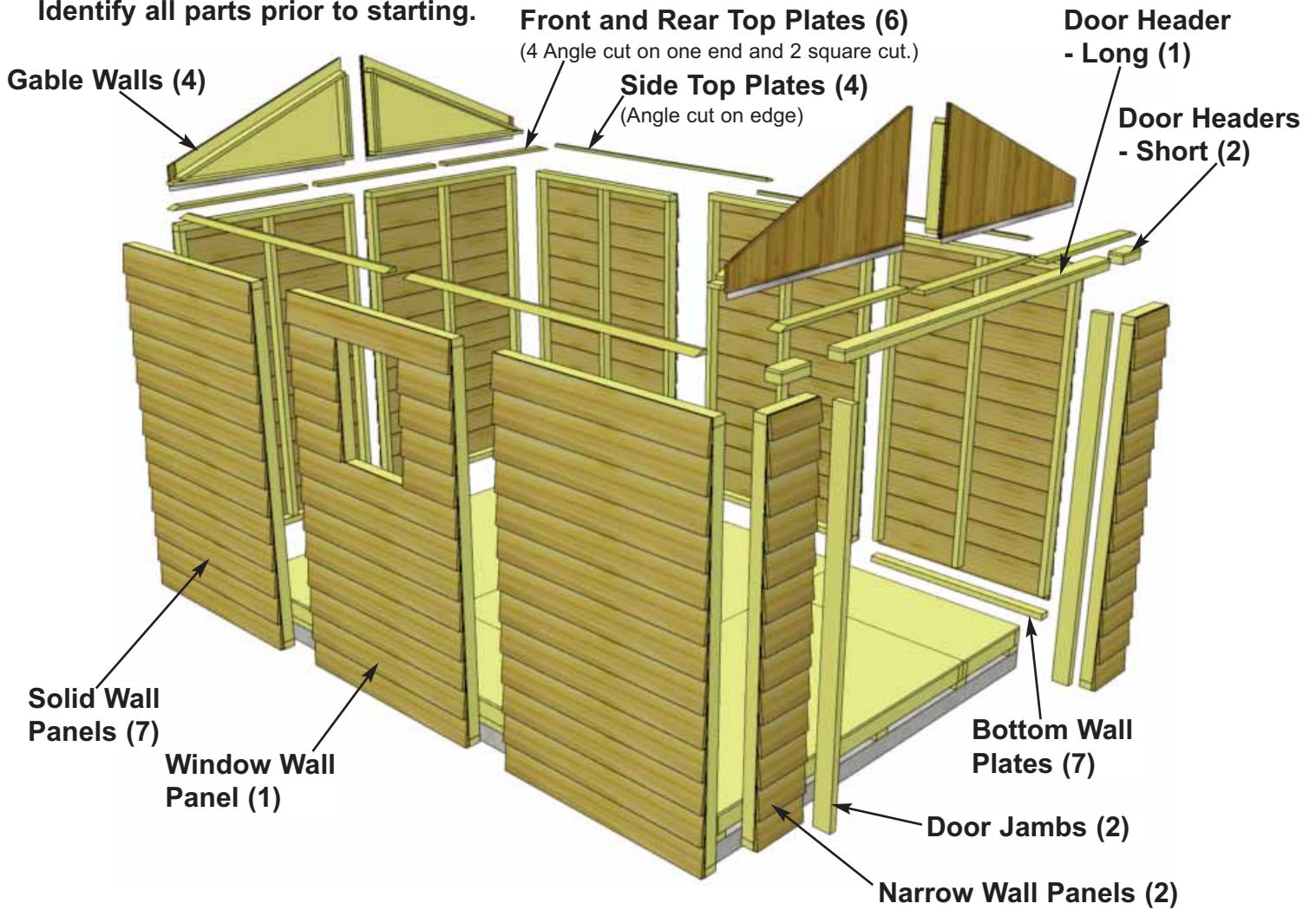
12. With Plywood positioned correctly on floor framing, attach with **1 1/4" Screws**. Use screws every 16".



Completed Floor configuration

B. Wall Section

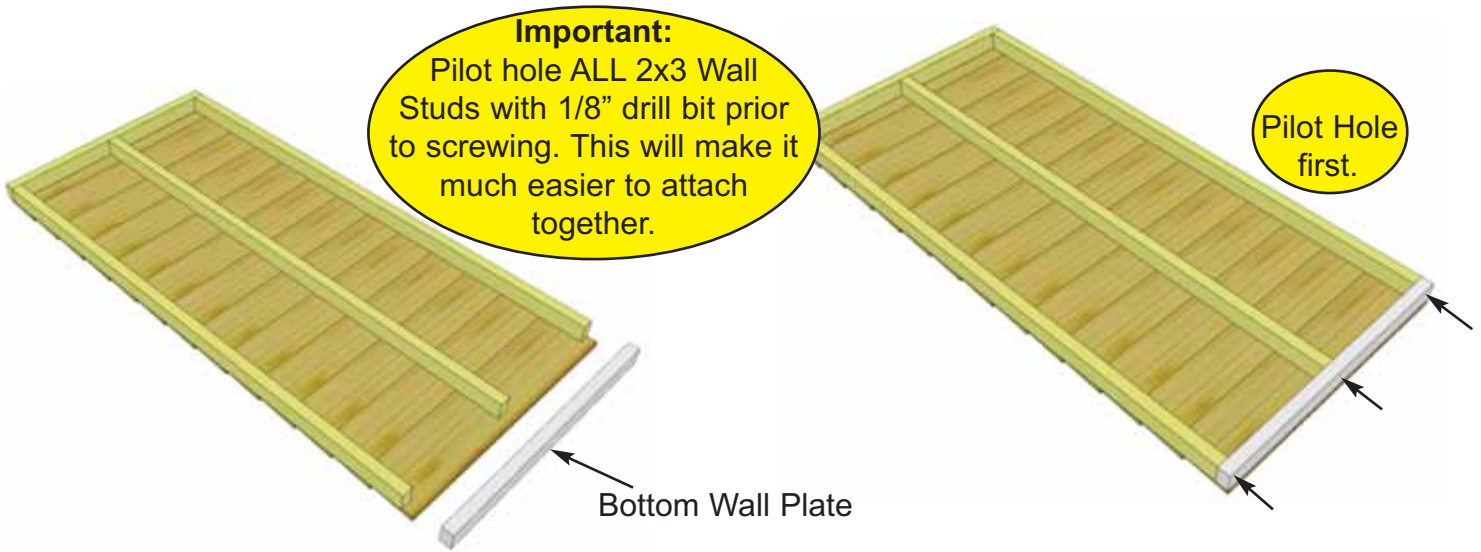
Exploded view of all parts necessary to complete the Wall Section.
Identify all parts prior to starting.



13. Lay out all the wall panels and become familiar with their location.

On Standard Kits, there are **7 Solid Wall Panels** and **2 Narrow Wall Panels**, and **1 Window Wall Panel**.

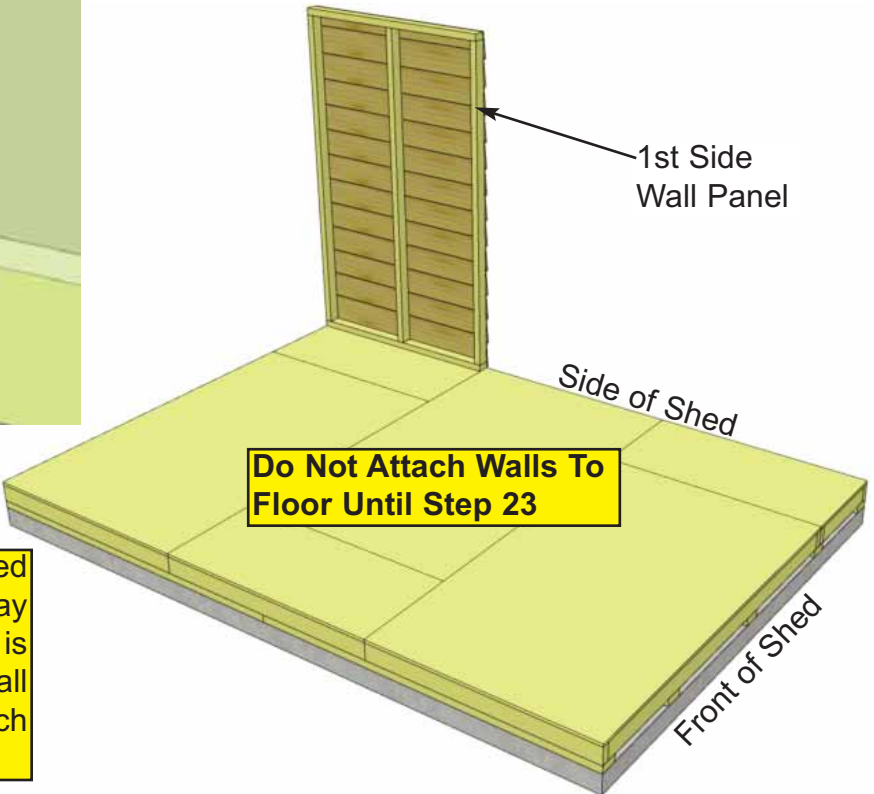
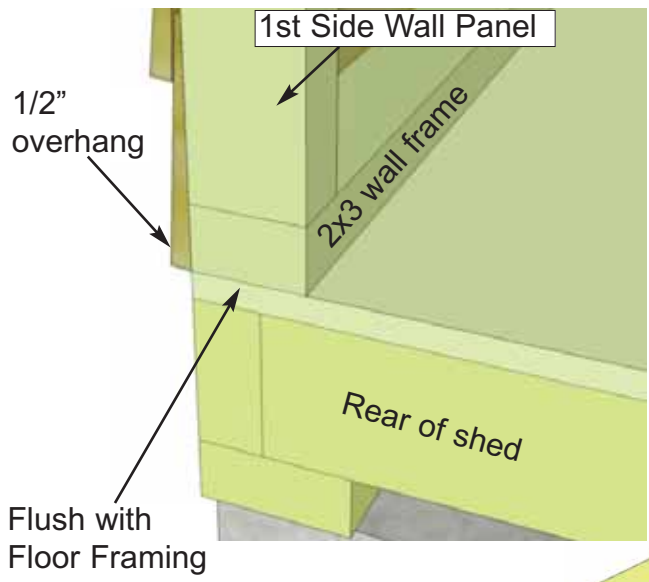
Make sure to position panels right side up so water is directed away from and not into shed. Look at window wall panel to compare and determine proper wall position.



14. For each **Solid Wall Panel**, carefully lay panel face down. Position and attach a **Bottom Wall Plate** to bottom of wall studs of each wall panel with **3 - 2 1/2" Screws**. Position so plates are flush with framing.

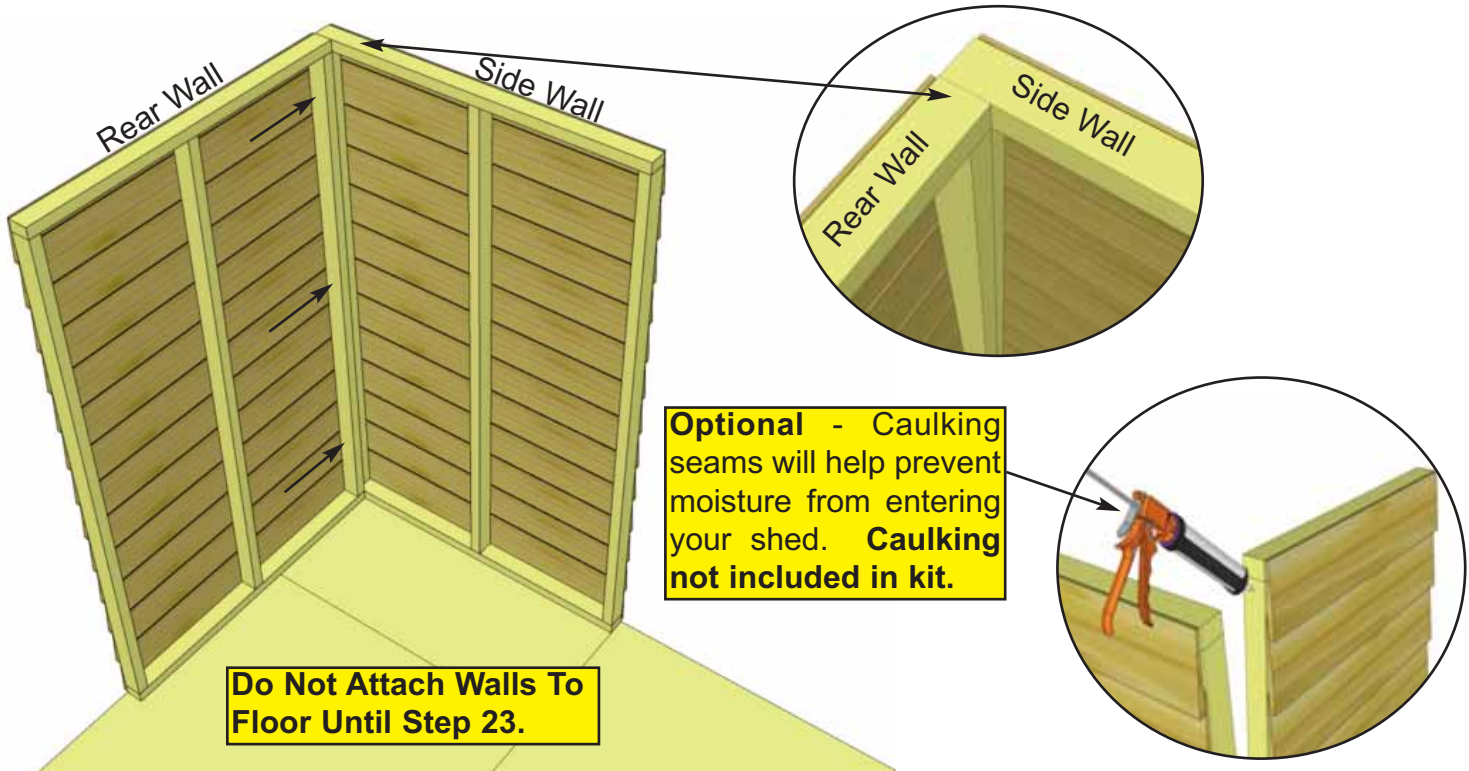
Parts
Solid Wall Panels (45 1/2" x 75") x 7
Bottom Wall Plates (1 1/2" x 2 1/2" x 45 1/2") x 7

Hardware
S1 - 2 1/2" Screws x 21 total



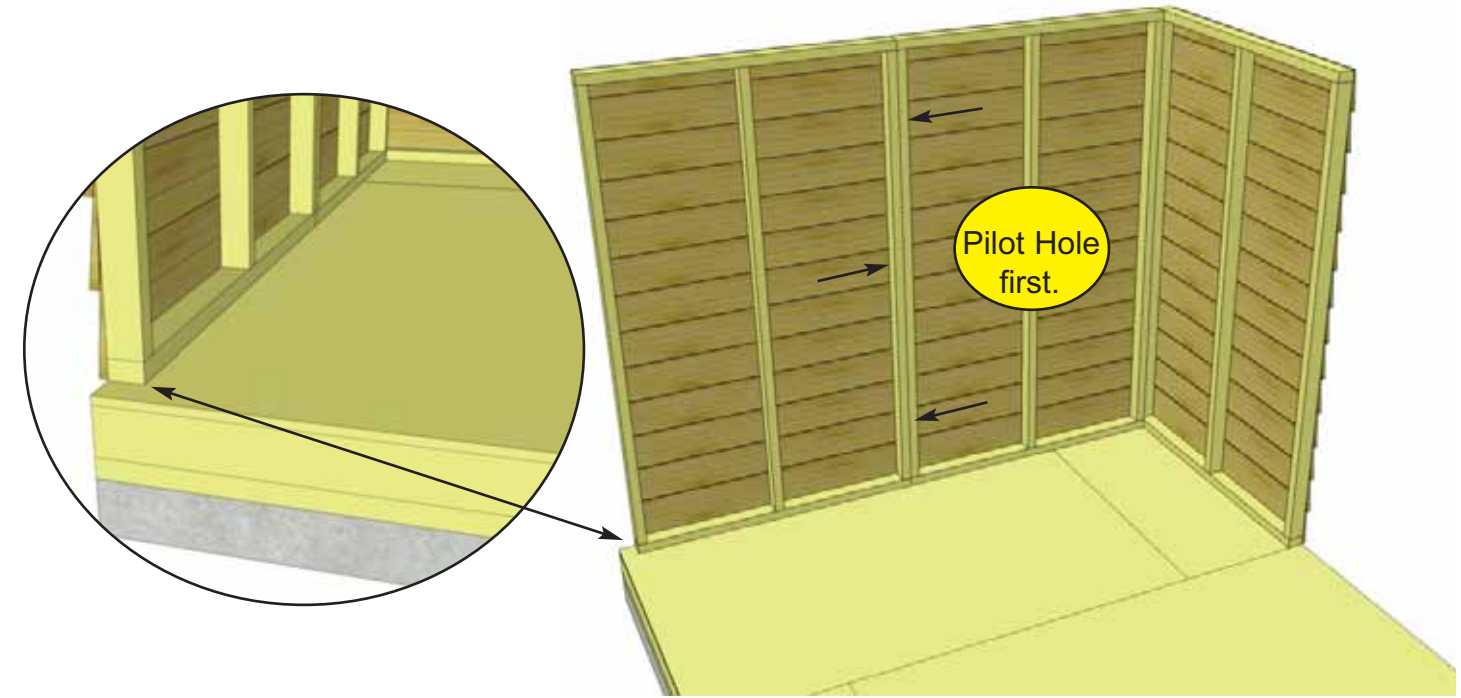
Important - Make sure all walls are aligned in their upright position. If not, water may leak into your shed. Unsure if panel is facing up or down? Compare solid wall siding to window wall siding and match orientation.

15. Starting at Rear Corner, position a Solid Side Wall panel on top of Plywood Floor. The Wall Panel bottom framing will sit flush with Floor framing. Wall siding will overhang the floor. The Side Wall panels will sit flush at the end of the Plywood Floor with the Rear Wall panels sandwiched between them.
Note: Siding will overhang the Floor by approximately 1/2".

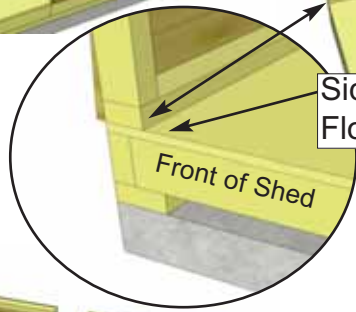
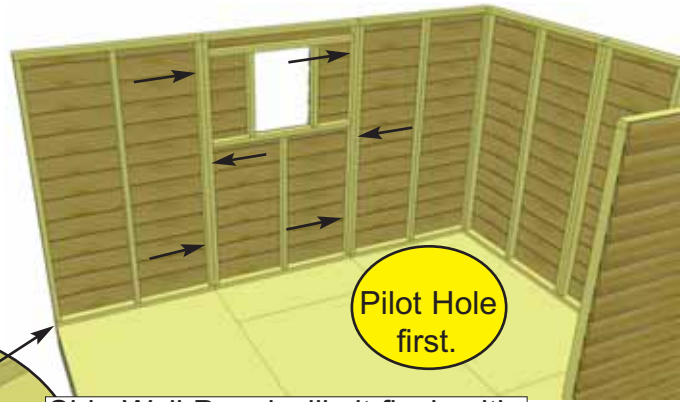
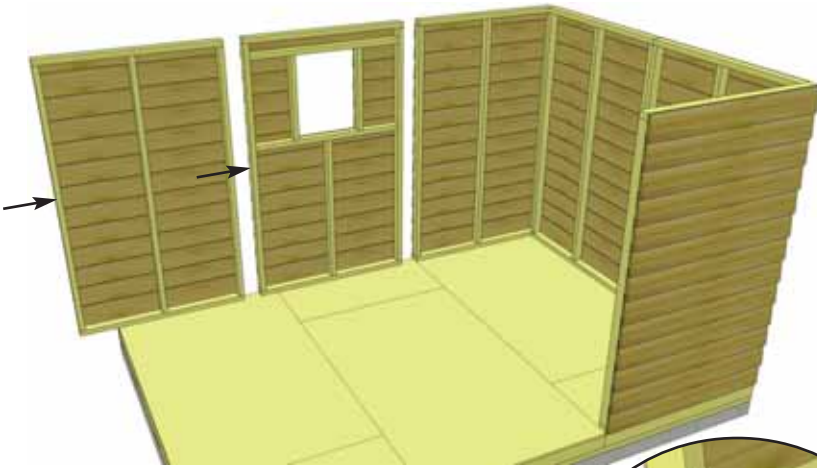
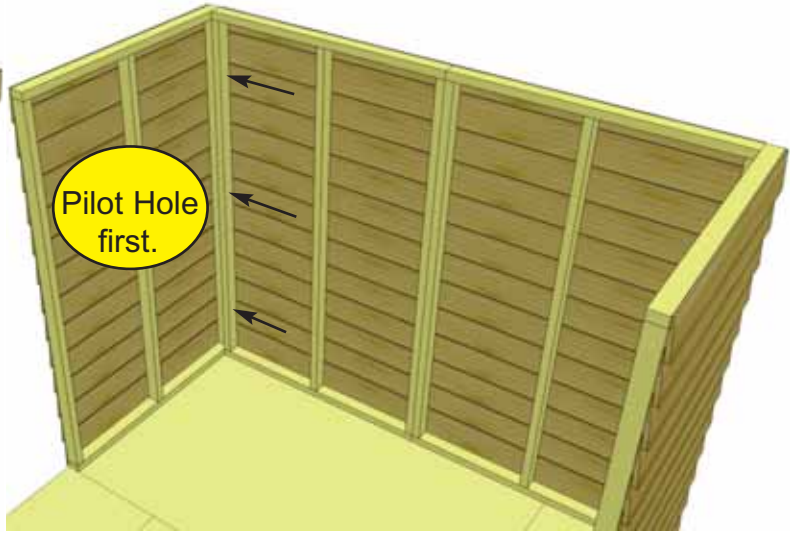
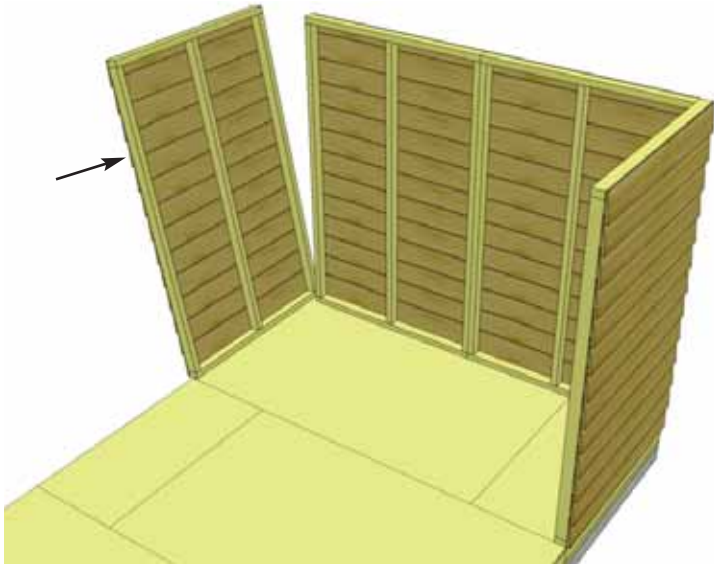


16. Position a Rear Wall into place on plywood floor. Butt both vertical wall studs of Side and Rear Walls together and attach with **3 - 2 1/2" Screws**. Screw at the bottom, middle and top of stud to secure properly.

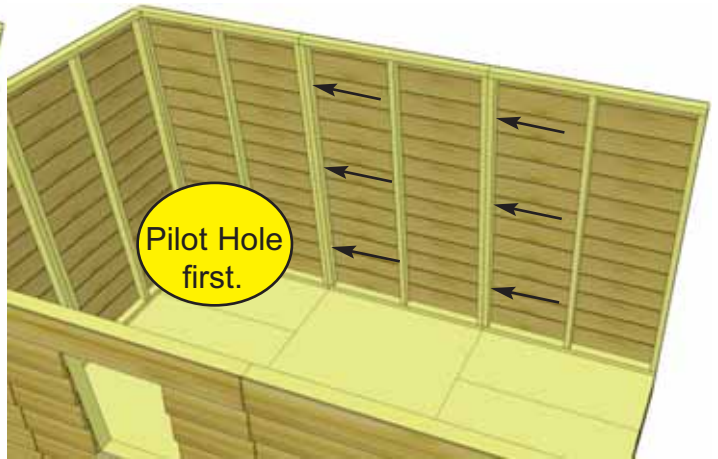
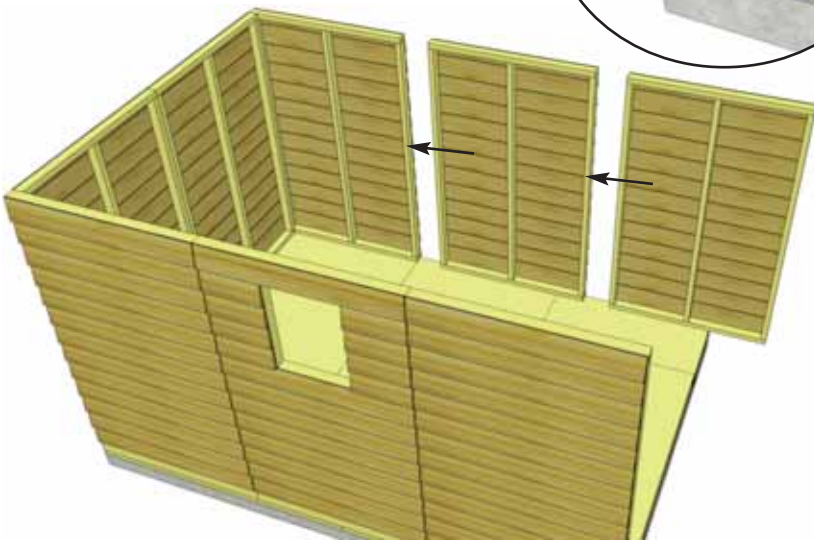
Hardware (Steps 16 -18)
S1 - 2 1/2" Screws
 x 18 total



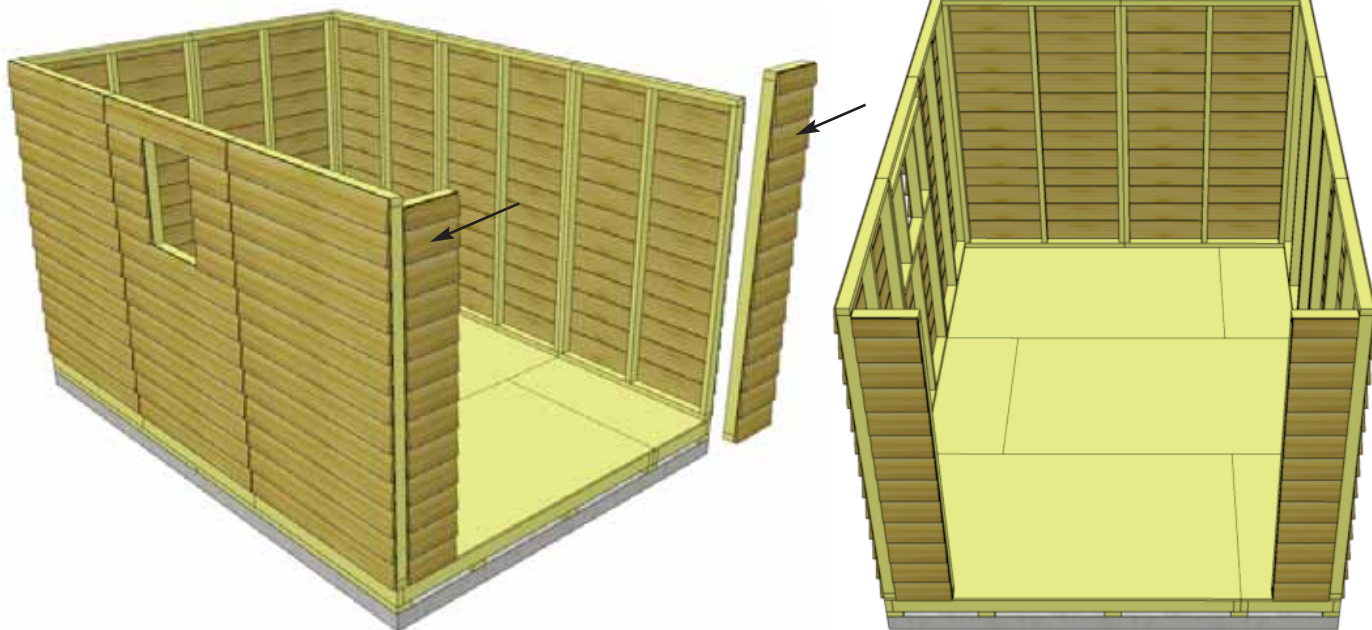
17. With the corner wall attachment complete, position a second Rear Wall panel in place so bottom 2x3 wall framing is sitting flush with outside floor joists and plywood floor. Wall siding should overhang floor by approximately 1/2". When positioned correctly, attach both Rear Wall panel studs together as shown.



Side Wall Panel will sit flush with Floor framing at Front of Shed.

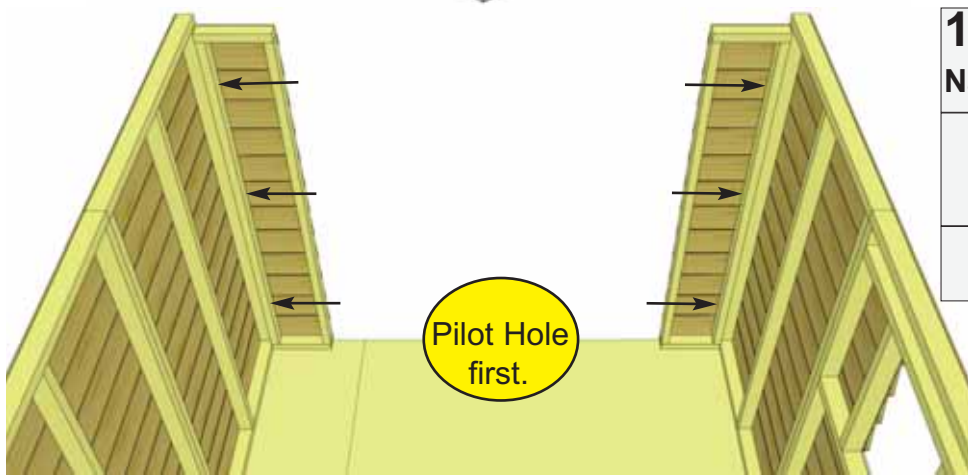


18. Complete all Side and Rear Solid Wall and Window Wall attachments as per **Steps 15 - 17.**

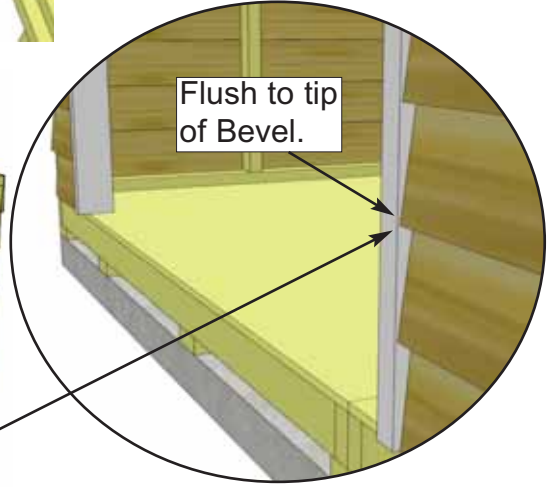


19. Position and attach both **Narrow Walls** as per **Steps 15 - 18.**

<u>Parts</u>
Narrow Walls (12" x 73") x 2
<u>Hardware</u>
S1 - 2 1/2" Screws x 6 total

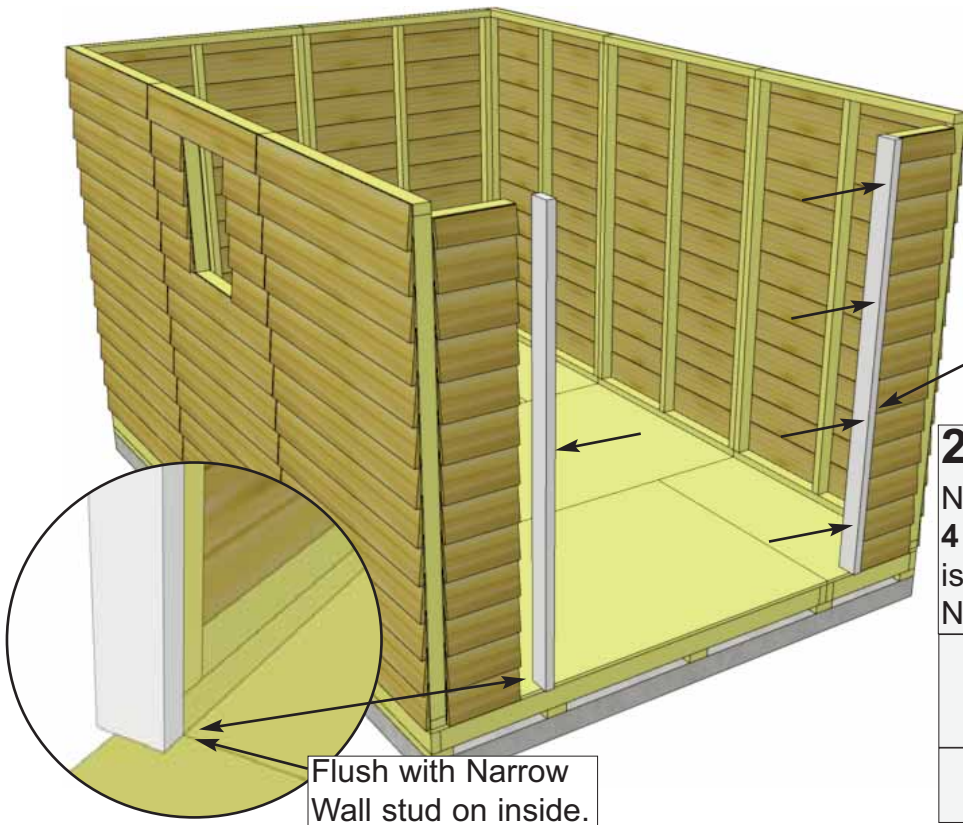


Pilot Hole first.

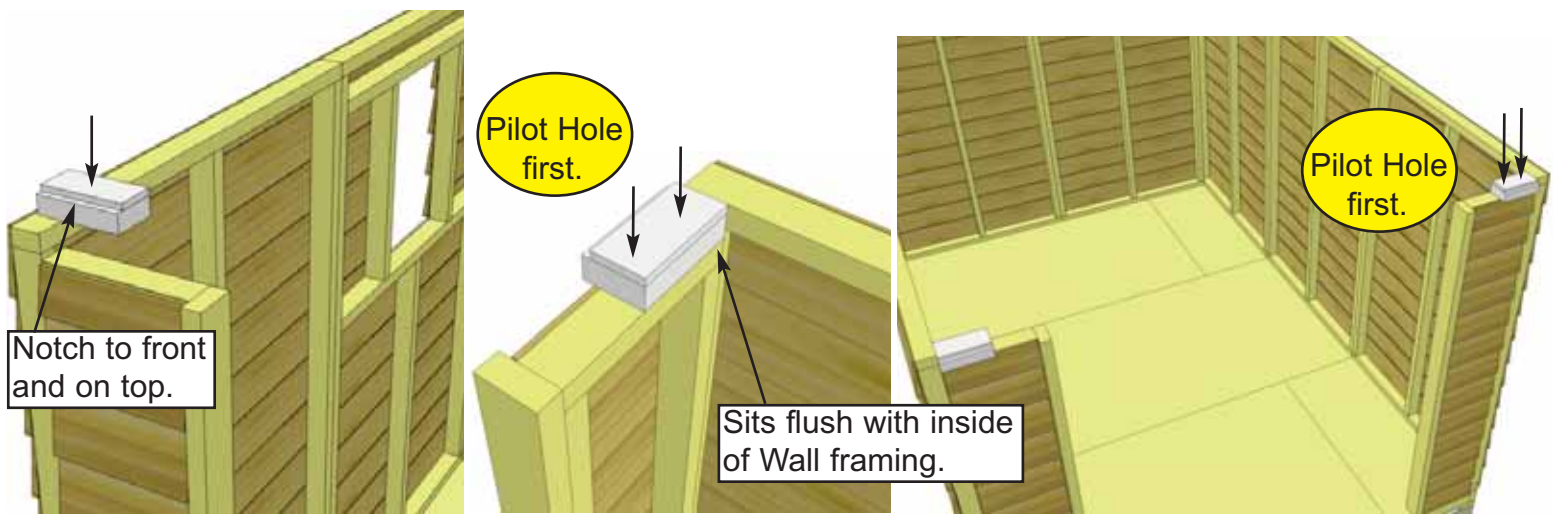


20. Attach **Vertical Door Jambs** to Narrow Wall studs in door opening with **4 - 2 1/2" Screws** each. Position so Jamb is flush with tip of bevel siding on front Narrow Walls. Complete both sides.

<u>Parts</u>
Vertical Door Jambs (1 1/2" x 3 1/2" x 73") x 2
<u>Hardware</u>
S1 - 2 1/2" Screws x 8 total

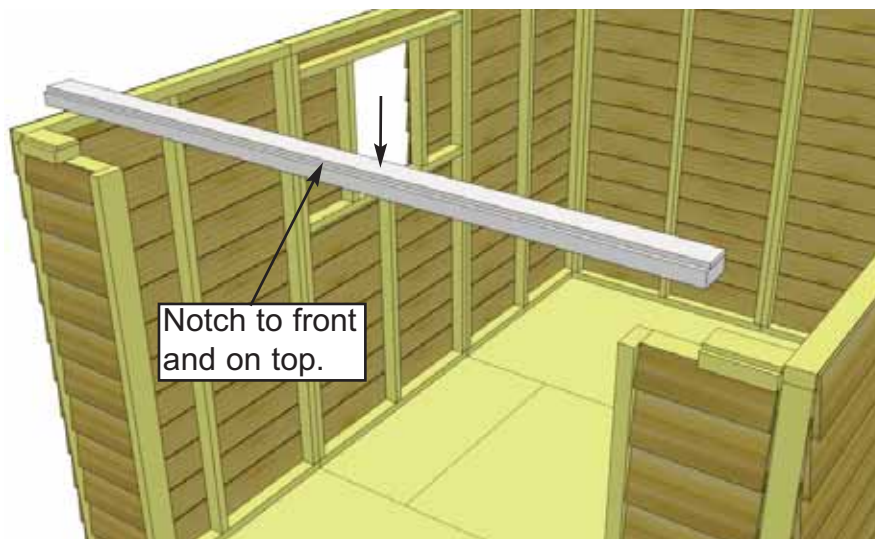


Flush with Narrow Wall stud on inside.



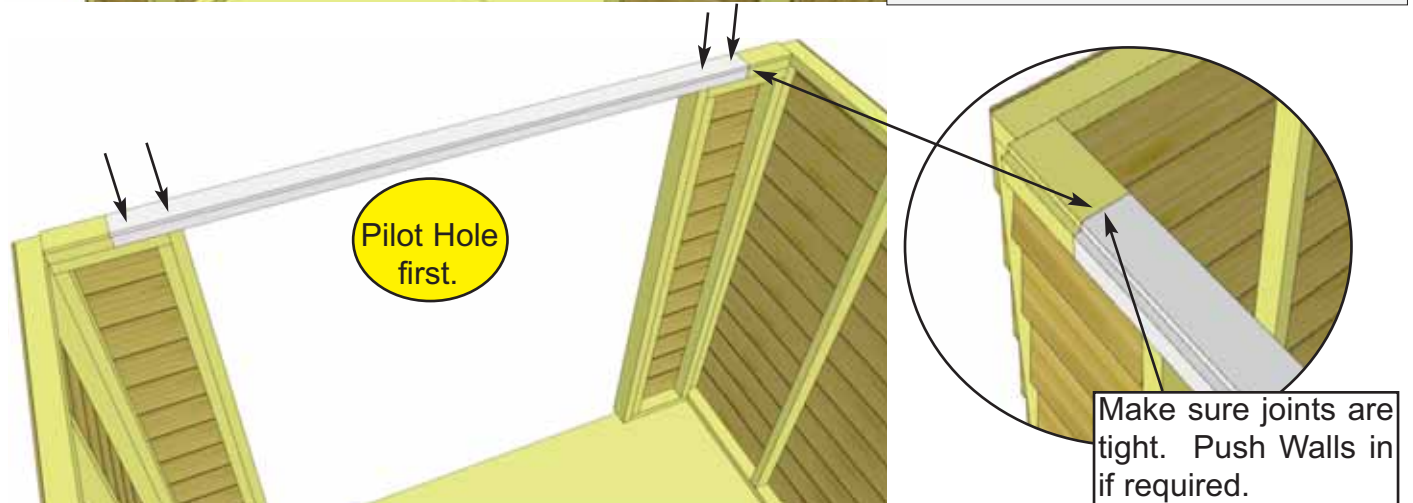
21. Attach **Short Door Headers** to Narrow Walls with **2 - 2 1/2" Screws** per piece. Header is 3 1/2" wide at bottom and has a 1/2" thick x 3" wide strip of wood stapled to the top creating a notch or dado effect. This notch needs to be positioned on the top facing the front. The notch is necessary to hold the drip cap that will be installed above the door in **Step 55**.
Pre-drill to prevent splitting!

<u>Parts</u> Door Headers - Short (2" x 3 1/2" x 6 1/2") x 2
<u>Hardware</u> S1 - 2 1/2" Screws x 4 total



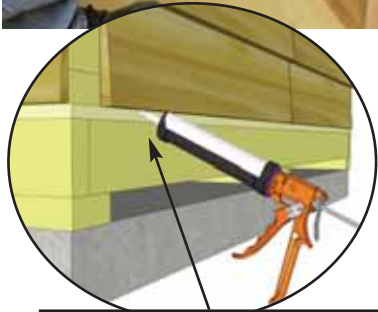
22. Attach **Long Door Header** to Vertical Door Jambs and Narrow Walls with **2 - 2 1/2" Screws** per side. Position the notch on the top facing the front as per **Step 21**.
Pre-drill to prevent splitting!

<u>Parts</u> Door Header - Long (2" x 3 1/2" x 78") x 1
<u>Hardware</u> S1 - 2 1/2" Screws x 4 total

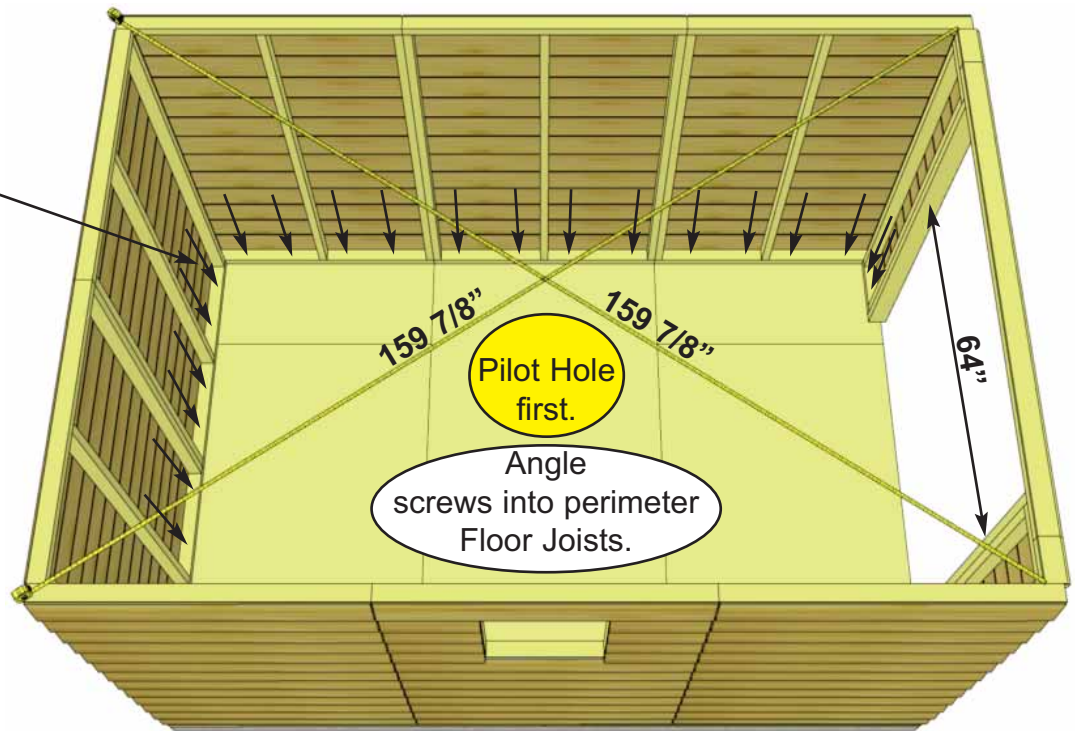


Advice: Prior to fastening walls and installing rafters, take time to confirm your walls are level, square and plumb.

Measure diagonal at top and bottom of walls corner-to-corner. This should be approximately 159 7/8". More importantly, if measurements are not within 1/4", your walls are not square. Adjusting now will make it easier to install roof section.

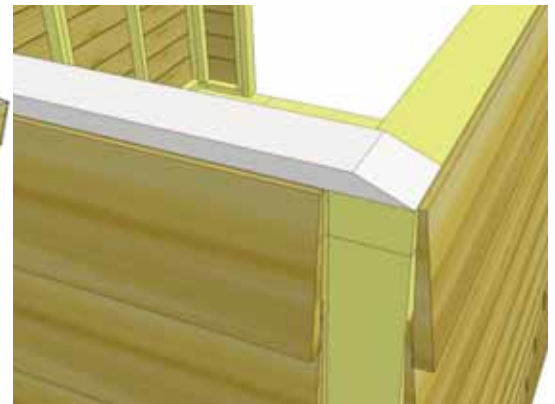
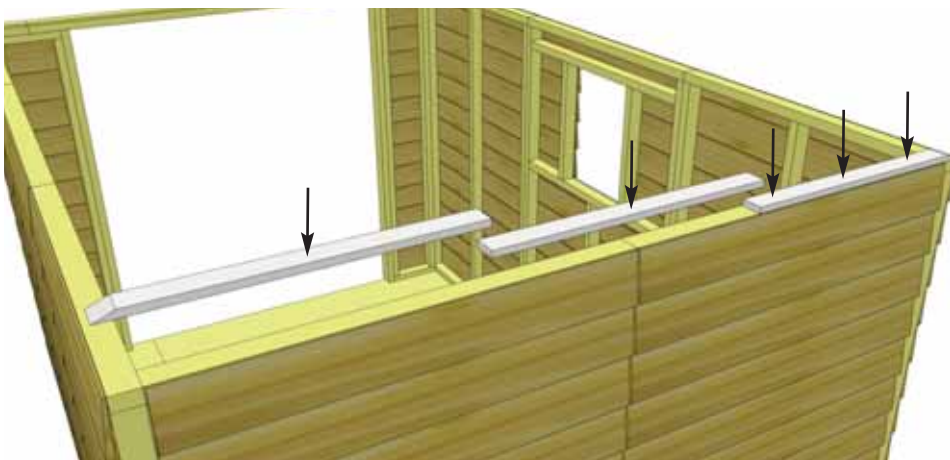


Optional - Caulking seams will help prevent moisture from entering your shed. **Caulking not included in kit.**



23. When all walls are attached together, check alignment with the floor. Bottom of wall frames should sit flush with outside of floor framing, with siding overhanging by approximately 1/2". Confirm 64" wide door opening at bottom. When positioned correctly, fasten Bottom Wall Plates to floor using **4 - 2 1/2" Screws** per wall panel.

Hardware
S1 - 2 1/2" Screws
x 36 total



24. Position **Rear Top Plates** on top of wall studs so they are flush on the inside. Together, the plates should be centered evenly on the wall left to right. Attach by screwing down into top wall framing with **3 - 2" Screws** per plate.

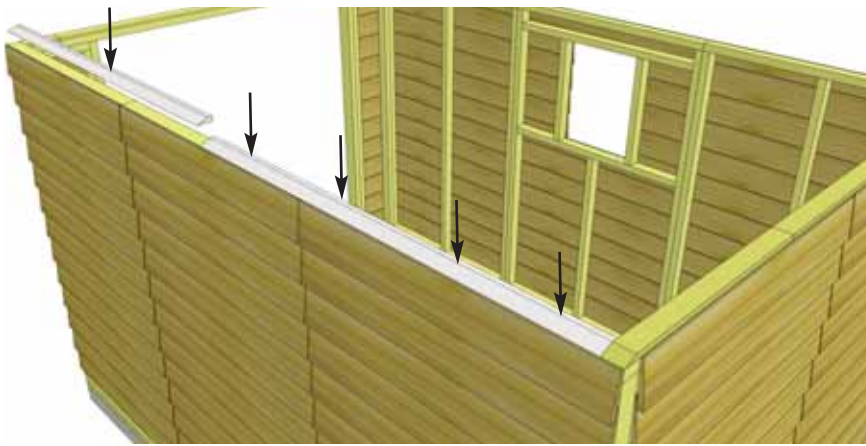
Parts (Steps 24 - 25)

Front & Rear Wall Top Plates - 4 Angle Cut End, 2 Straight Cut
(3/4" x 2 1/2" x 32") x 6

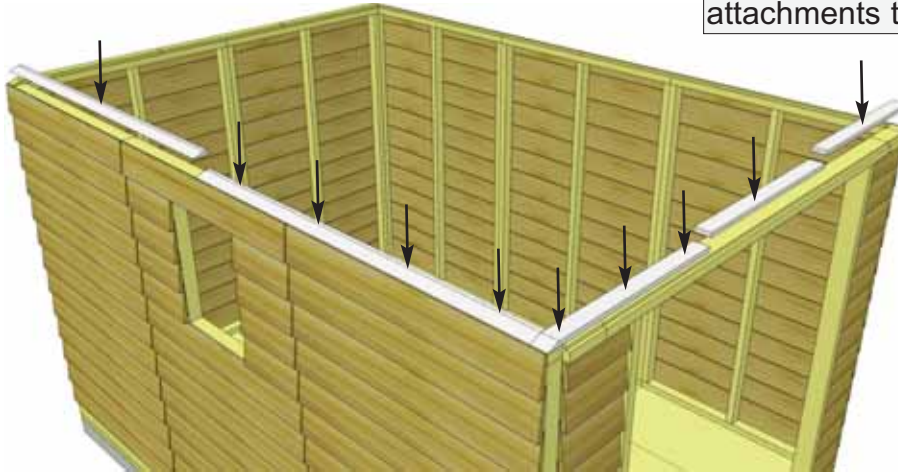
Side Wall Top Plates - Angle Cut Edge
(3/4" x 2 1/2" x 65 3/4") x 4

Hardware (Steps 24 - 25)

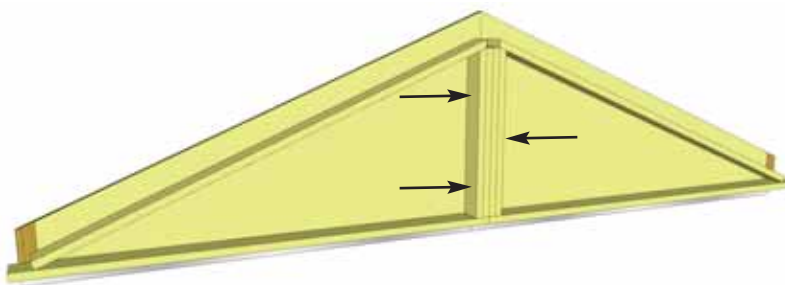
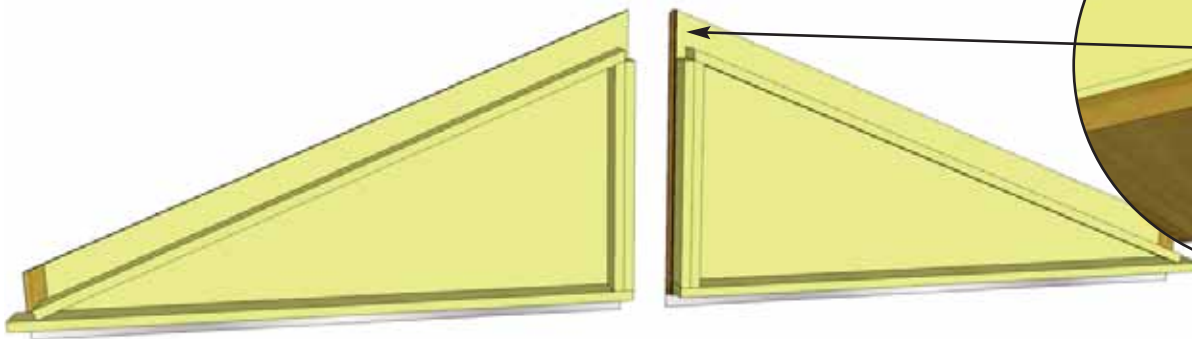
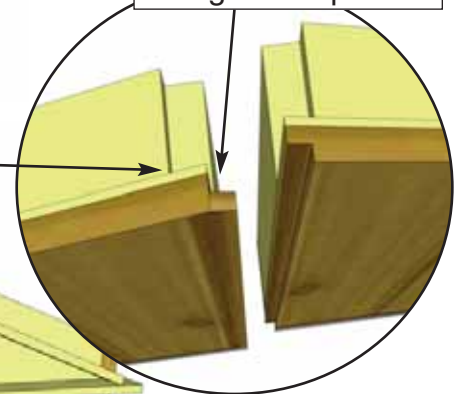
S3 - 2" Screws
x 34 total



25. Next, attach the **Side Wall Top Plates**. The Side Wall Top Plates are angle cut down the length. Once again, position Top Plates on wall frame so they are flush. Side Wall Top Plates will fit between Front & Rear Plates. Attach with **4 - 2" Screws** per plate. Complete all other **Side & Front Top Plate** attachments the same.



Male / Female Gable Siding Overlap.



26. Locate **Triangular Gable Half Walls** for both ends of the shed. Align framing and wall siding lap together. Screw center wall framing of each piece together with **3 - 2 1/2" Screws**. **Note:** Prior to attaching, try each combination of Gables for best fit.

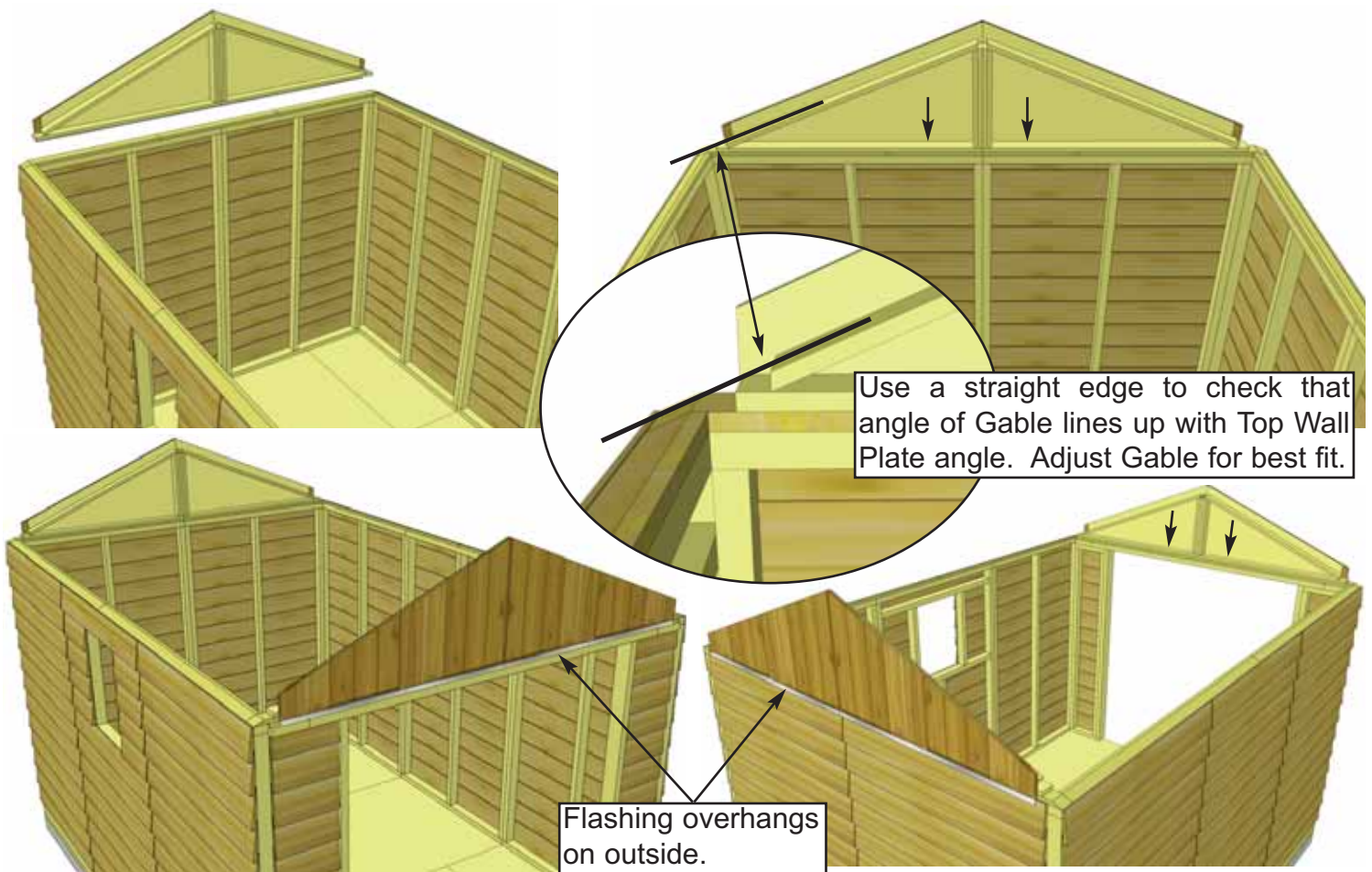
Parts

Triangular Gable Half Walls x 4

Hardware

S1 - 2 1/2" Screws x 6 total





27. Place completed Gable section so framing sits flush with the inside of the Top Wall Plate. It should also be centered side-to-side on the Top Wall Plate. Gable Flashing overhangs wall on the outside. Temporarily attach to Gables and Top Wall Plate with **2 - 2" Screws**. Gables may need slight adjustment in **Step 37** when attachment will be completed with an additional 6 Screws. Screw from the bottom of Gable framing down into Top Wall Plate and Wall Framing. Complete Gable positioning and attachment on the other side.

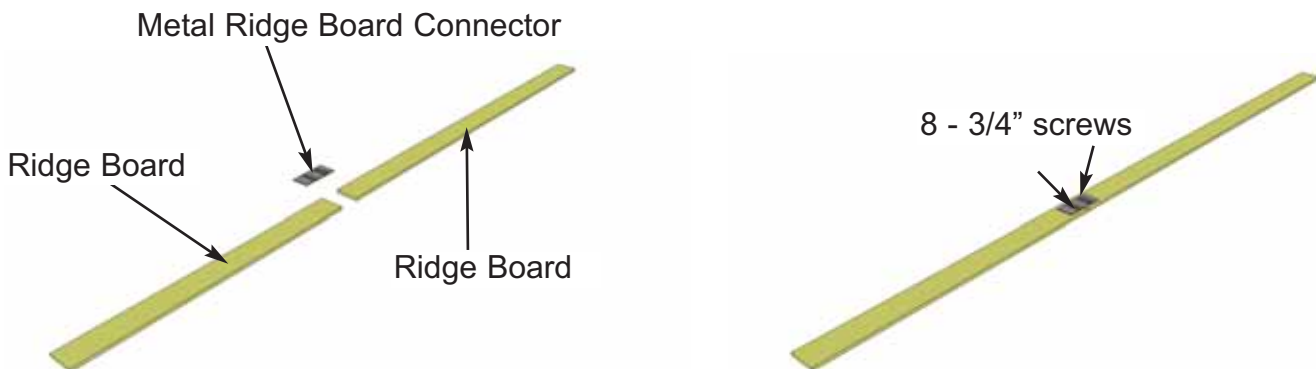
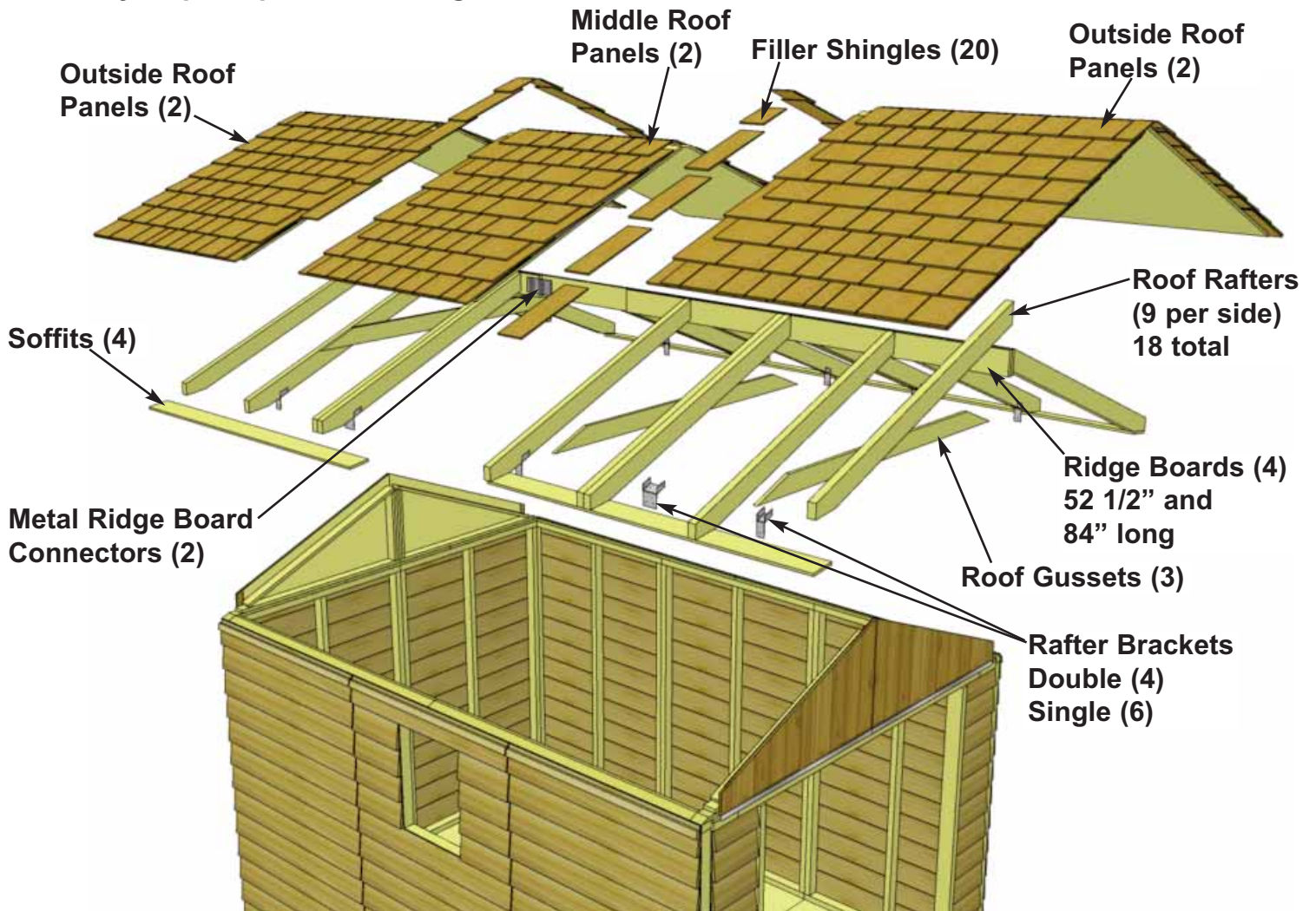
Hint: Use a straight edge to check the angle of the Gable framing and Top Plate. Both angles should line up (see diagram above).

Hardware

S3 - 2" Screws x 4 total

C. Rafter and Roof Section

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



28. Locate (1 each) **Long & Short Ridge Boards** and attach together with a metal **Ridge Board Connector** using **8 - 3/4" Screws**. Total Length when connected is 136 1/2". Connect other set of Ridge Boards the same. Position metal Ridge Board Connector evenly on Ridge Boards.

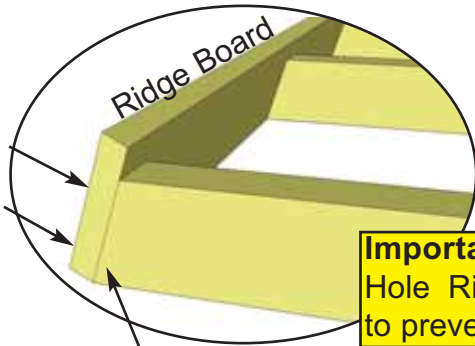
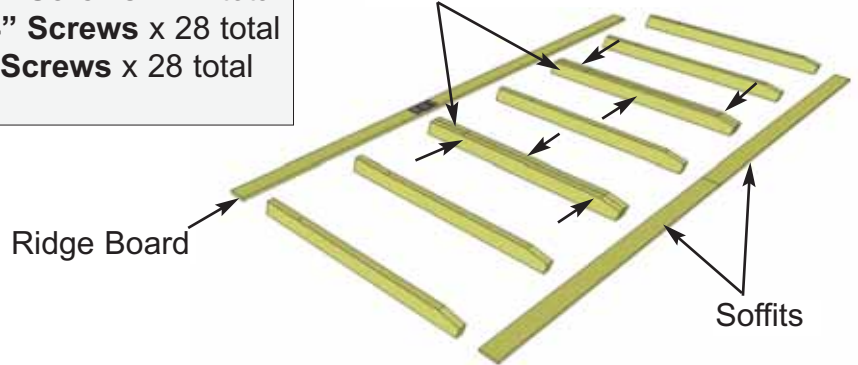
Parts
Ridge Boards - Long (3/4" x 4 1/2" x 84") x 2
Ridge Boards - Short (3/4" x 4 1/2" x 52 1/2") x 2

Hardware
SS2 - 3/4" Screws x 16 total
Y9 - Ridge Board Connector x 2 total

29. Locate 9 **Rafters**, 2 **Soffits** and a 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.

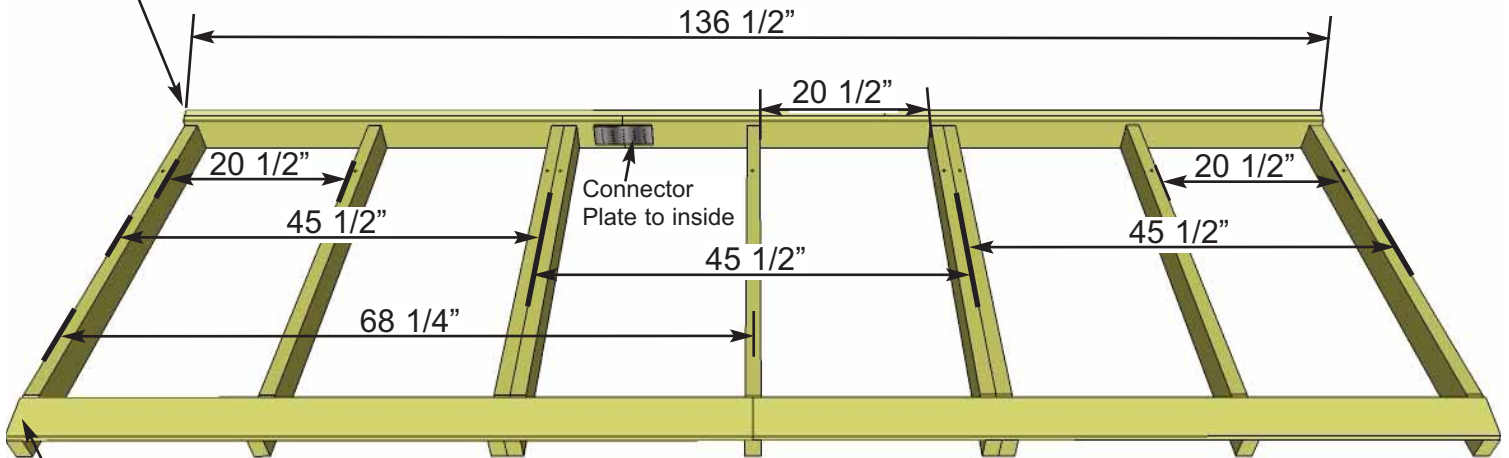
Parts (Steps 29 - 31)	Hardware (Steps 29 - 31)
Rafters (1 1/2" x 3 1/2" x 56 1/2") x 18	S1 - 2 1/2" Screws x 12 total
Soffits (1/2" x 4 1/2" x 68 1/4") x 4	S2 - 1 1/4" Screws x 28 total
	S3 - 2" Screws x 28 total

Doubled up Rafters - screw together with 3 - 2 1/2" Screws.

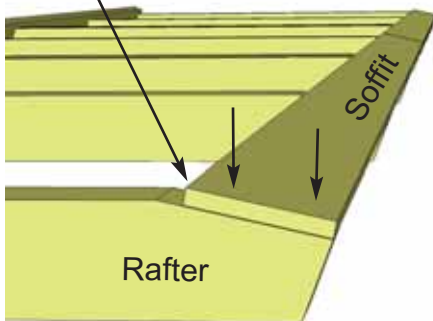


Important: Pilot Hole Ridge Board to prevent splitting!

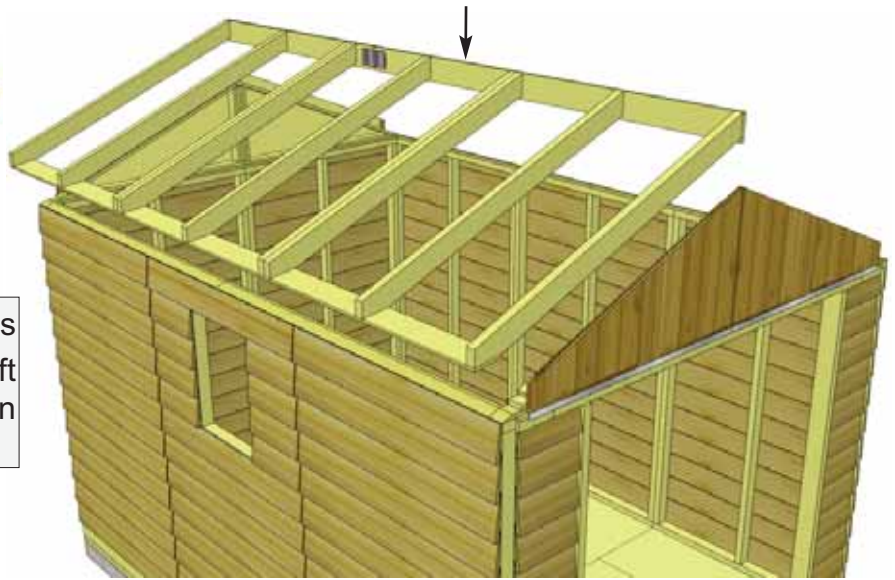
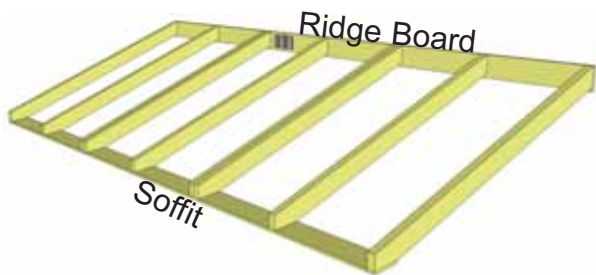
30. Attach completed Ridge Board to ends of both outside Rafters with **2 - 2" Screws** per end. Measure and position interior Rafters as illustrated below. When positioned correctly, attach Ridge Board to remaining Rafters with **2 - 2" Screws** / Rafter end.



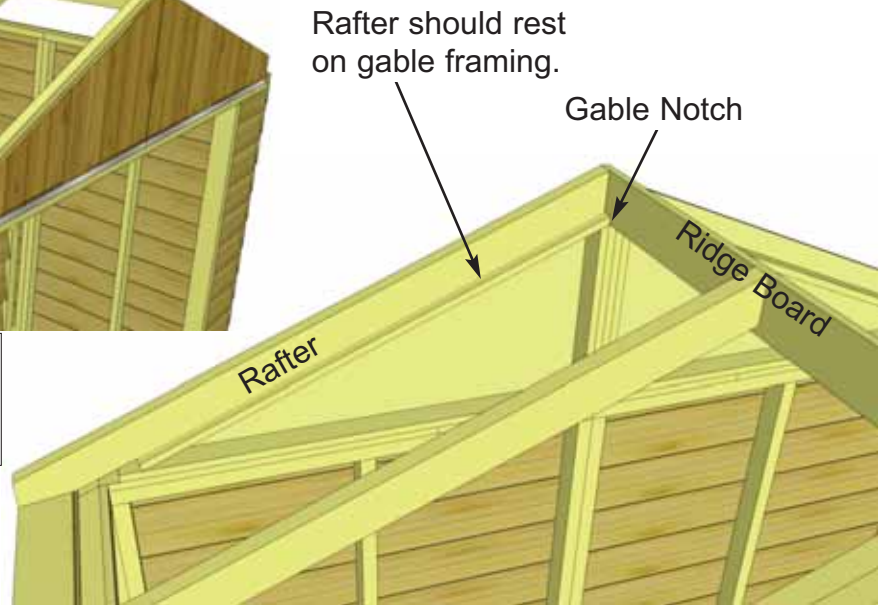
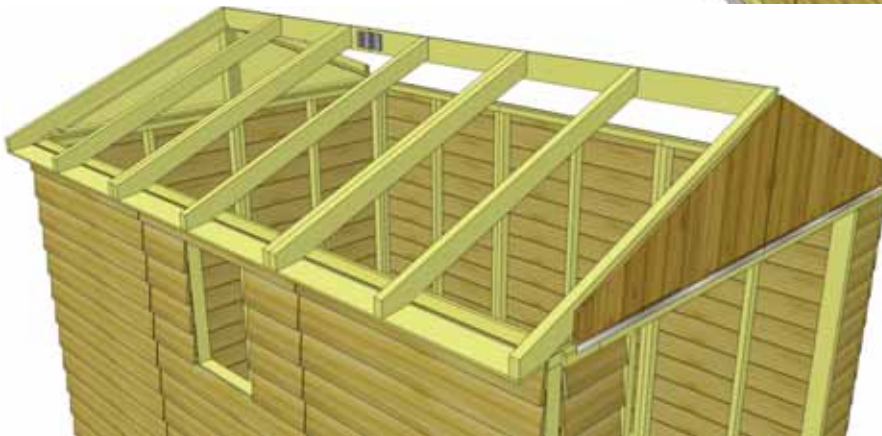
Important: Pilot Hole Soffit to prevent splitting!



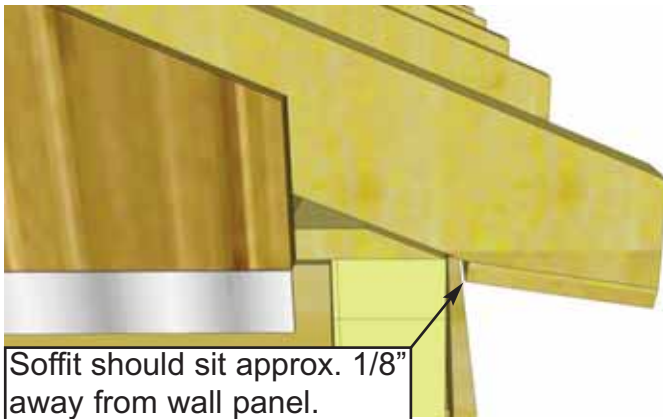
31. Attach end of a Soffit flush to ends of outside rafters with **2 - 1 1/4" Screws** per Rafter end. Drill pilot holes in Soffit to prevent splitting. Complete both outside Rafter / Soffit connections first. Measure and position interior Rafters as illustrated above. When positioned correctly, attach Soffit to remaining Rafters with **2 - 1 1/4" Screws** per Rafter. Flip completed rafter section over. Complete 2nd Rafter section now as per the 1st, but 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 36 for illustration.**



32. Flip Rafter Section over so Soffit is facing down. Starting with one side, lift completed Rafter Section up and place on gable framing.



33. Slide Rafter Section up on gable framing until bottom of Ridge Board slips into gable notch.

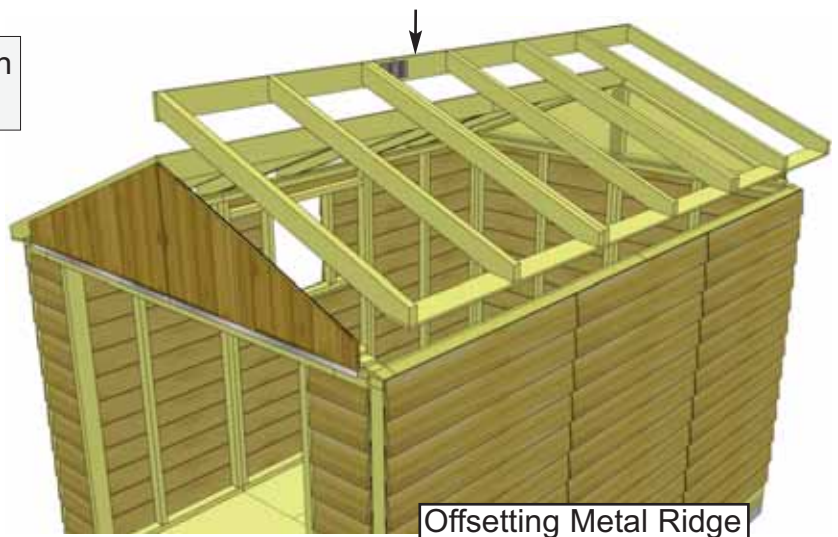
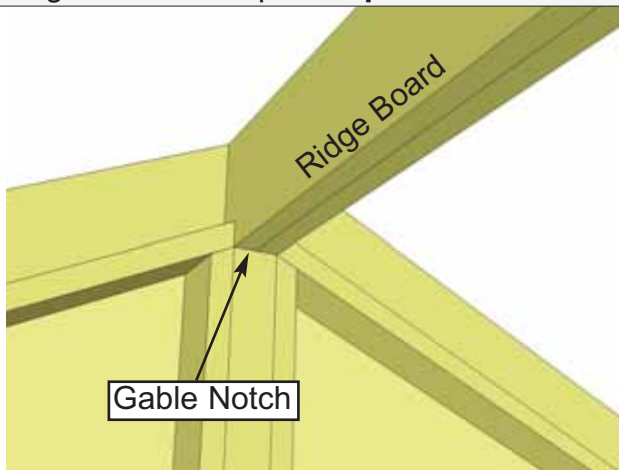


Soffit should sit approx. 1/8" away from wall panel.

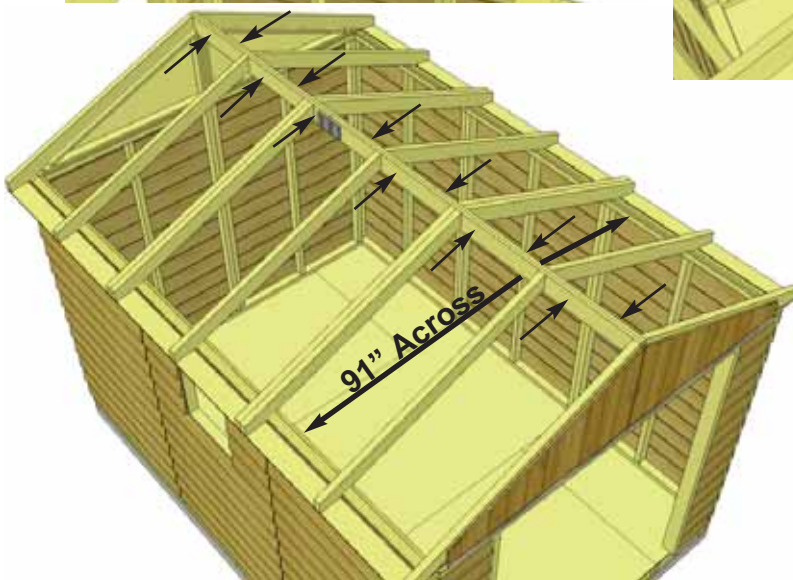
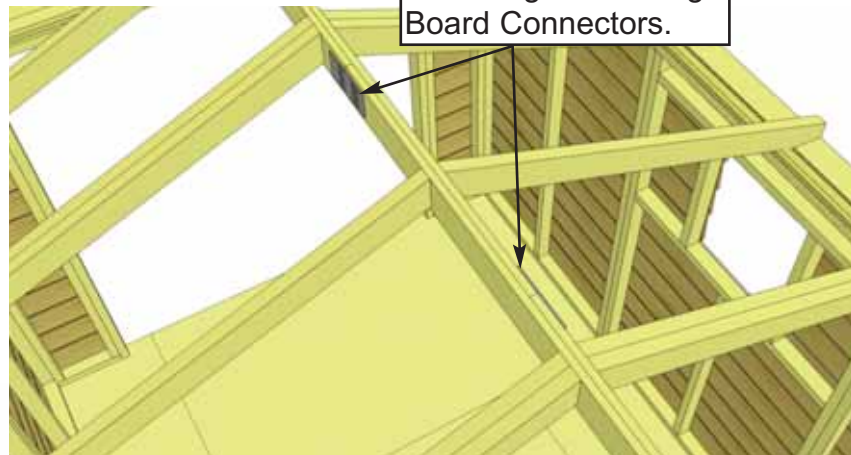
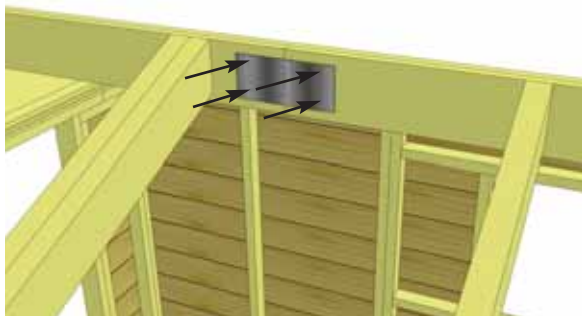


34. When Rafter Section is correctly positioned, outside rafters will sit equally on gable framing and Soffit will sit approximately 1/8" away from wall panels.

35. Place second completed Rafter Section on gable walls as per **Steps 32 - 34.**



Offsetting Metal Ridge Board Connectors.



36. 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, have a helper push the Side Walls closer together from outside. Walls should be 91" apart at top from inside of wall plate to opposite wall plate. To completely secure Ridge Boards, place **1 1/4" Screws** into any of the remaining metal Ridge Board Connector holes. Complete both sides.

Hardware

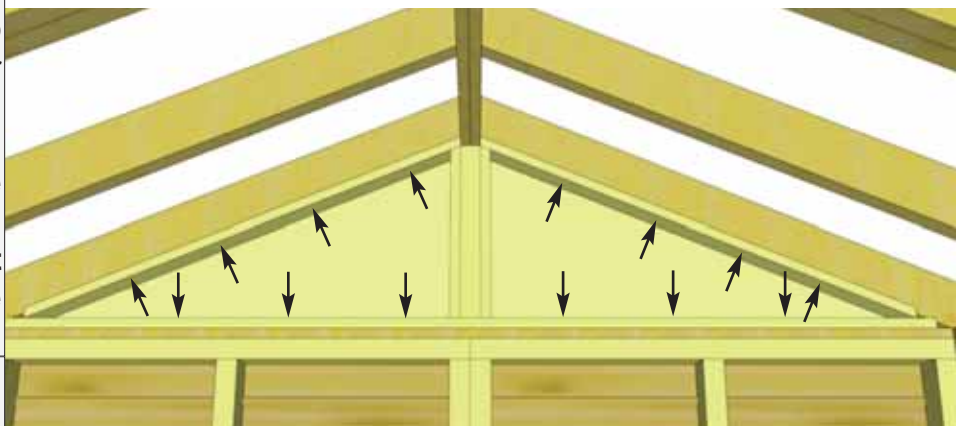
S2 - 1 1/4" Screws x 20 total (approx.)

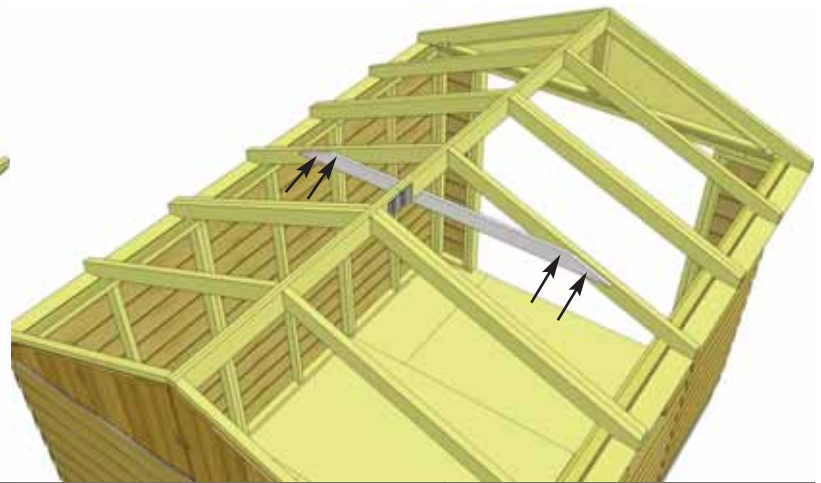
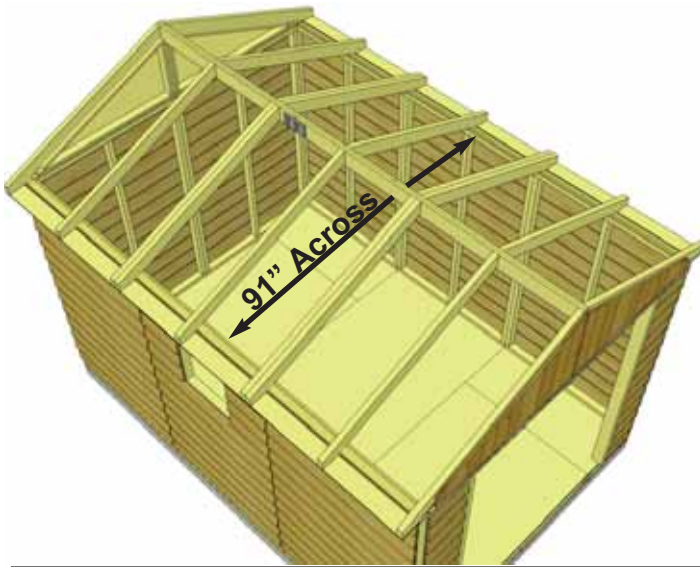
37. With both Ridge Boards connected, completely secure Gable framing to walls and rafters. Use **4 - 2" Screws** per Rafter. Use an additional **6 - 2" Screws** to secure Gable to wall.

Note: you may have to remove the 2 temporary screws in Gable from Step 27 and reposition Gable for best fit prior to completing Gable attachment.

Hardware

S3 - 2" Screws x 28 total





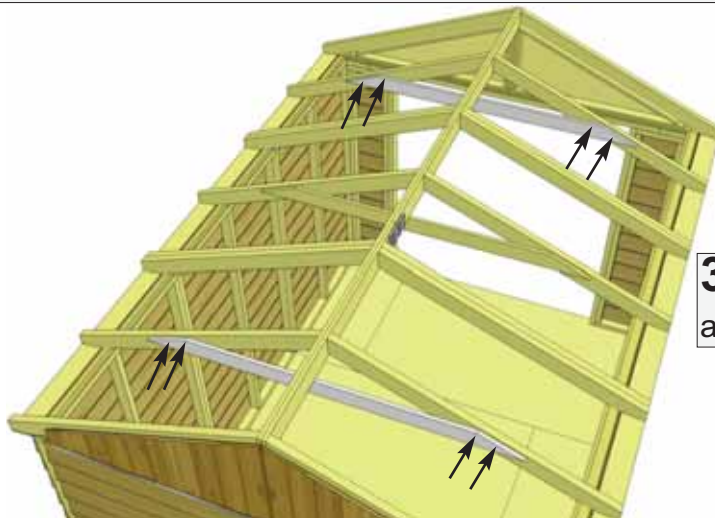
38. Roof Gussets are positioned on mid rafters. Have two helpers push the Side Walls at the top from the outside of shed until inside to inside measurement between the Top Plates is 91". Slide Gusset up on side of Rafters. Gusset must be below top edge of Rafter. Use level to square Gusset and attach to Rafters with **4 - 2" Screws**. Pilot hole each Gusset end with 1/8" drill bit.

Parts (Steps 38 - 39)

Roof Gussets

(3/4" x 3 1/2" x 72") x 3
Hardware (Steps 38 - 39)

S3 - 2" Screws
x 12 total



39. Complete remaining 2 Gussets as per **Step 38**.

40. Attach all Single and Double Rafter Brackets where rafters meet Top Wall Plates inside of shed. Attach with **2 - 1 1/4" Screws** and **2 - 2" Screws** per **Single Rafter Bracket** and **6 - 2" Screws** per **Double Rafter Bracket**.

Have two helpers hold the Side Walls at the top from the outside of shed to keep the inside-to-inside measurement between the Top Plates at 91".

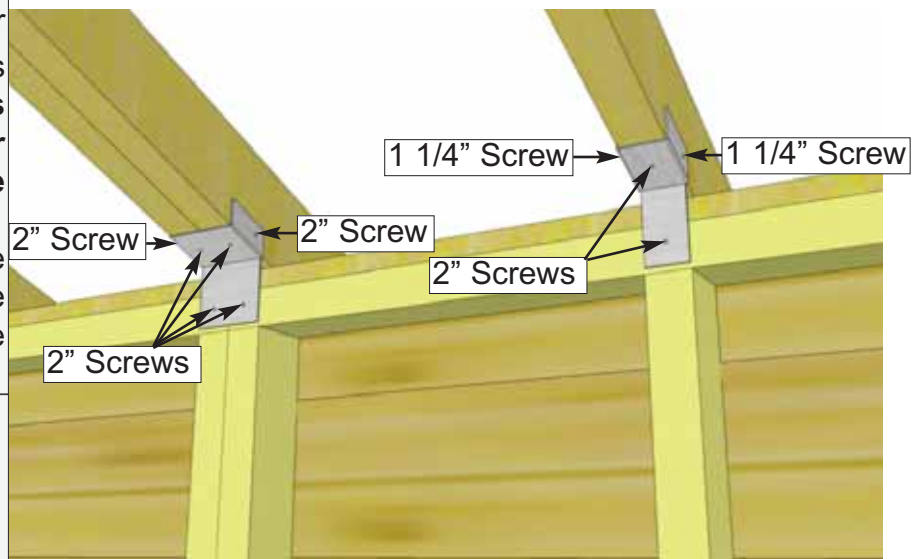
Hardware

Y30 - Single Rafter Brackets x 6 total

Y31 - Double Rafter Brackets x 4 total

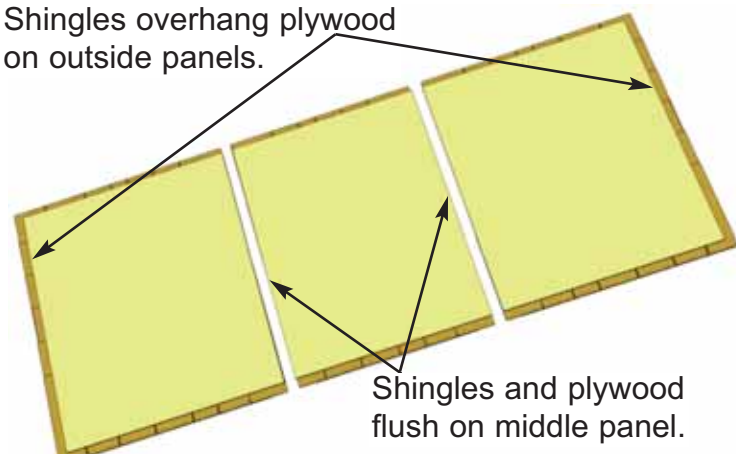
S2 - 1 1/4" Screws x 12 total

S3 - 2" Screws x 36 total



Exploded view of upside down roof panels.

Shingles overhang plywood on outside panels.



Outside Roof Panel.

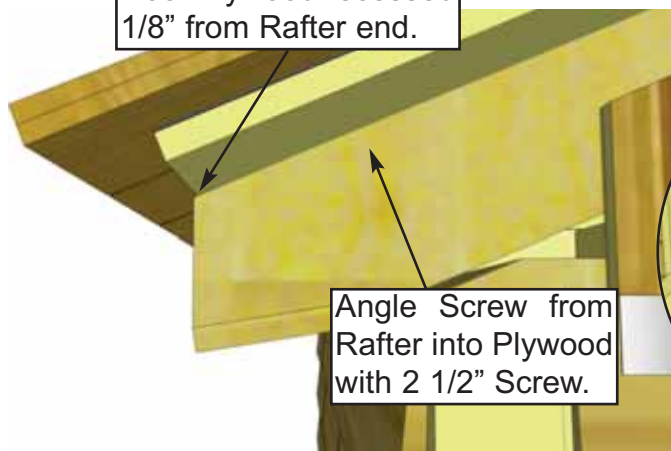


41. Identify all Roof Panels. There are 4 Outside and 2 Middle Roof Panels. Outside Panels will have shingles overhanging the plywood on one side. Lift up and place an Outside Roof Panel on Rear Rafters.

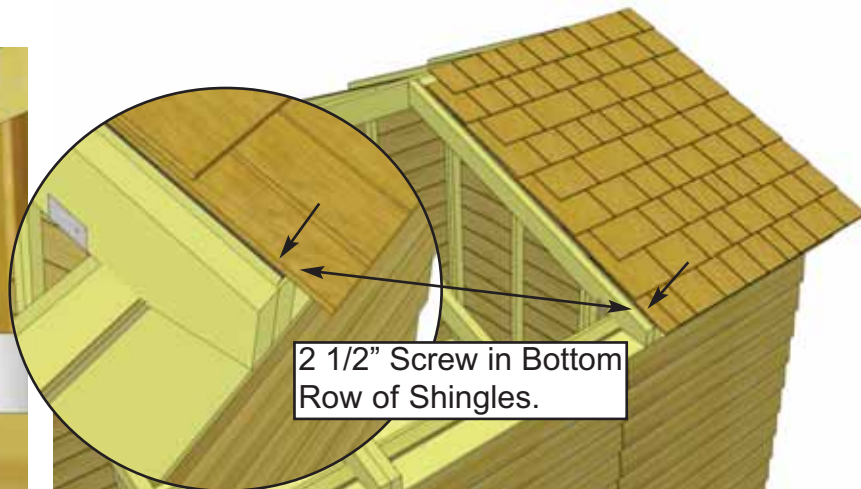
Parts (Steps 41 - 45)
Outside Roof Panels
 (51" wide) x 4
Middle Roof Panels
 (45 1/2" wide) x 2

Hardware (Steps 41 - 45)
S1 - 2 1/2" Screws
 x 12 total

Roof Plywood recessed 1/8" from Rafter end.

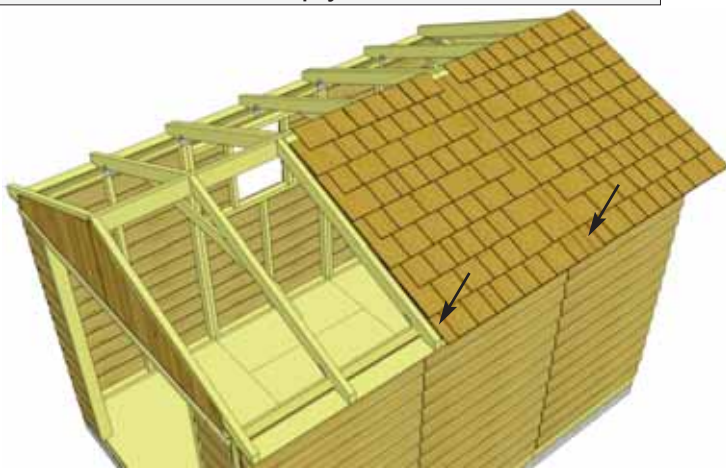
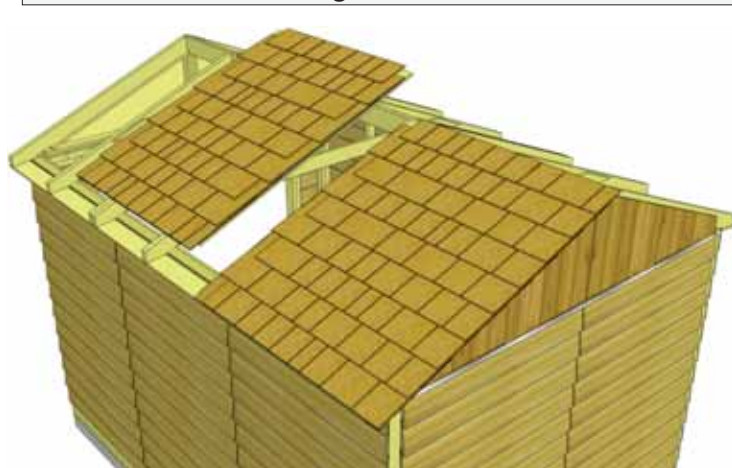


Angle Screw from Rafter into Plywood with 2 1/2" Screw.



2 1/2" Screw in Bottom Row of Shingles.

42. Place **Outside Roof Panel** so it sits flush on 3rd Rafter from the outside (doubled up Rafter). Plywood on roof should be recessed 1/8" from end of Rafter at bottom, and flush with seam of doubled up Rafters. From the outside, screw down through bottom row of shingles into Rafter with **1 - 2 1/2" Screw**. Angle **1 - 2 1/2" Screw** from outside Rafter into roof plywood.

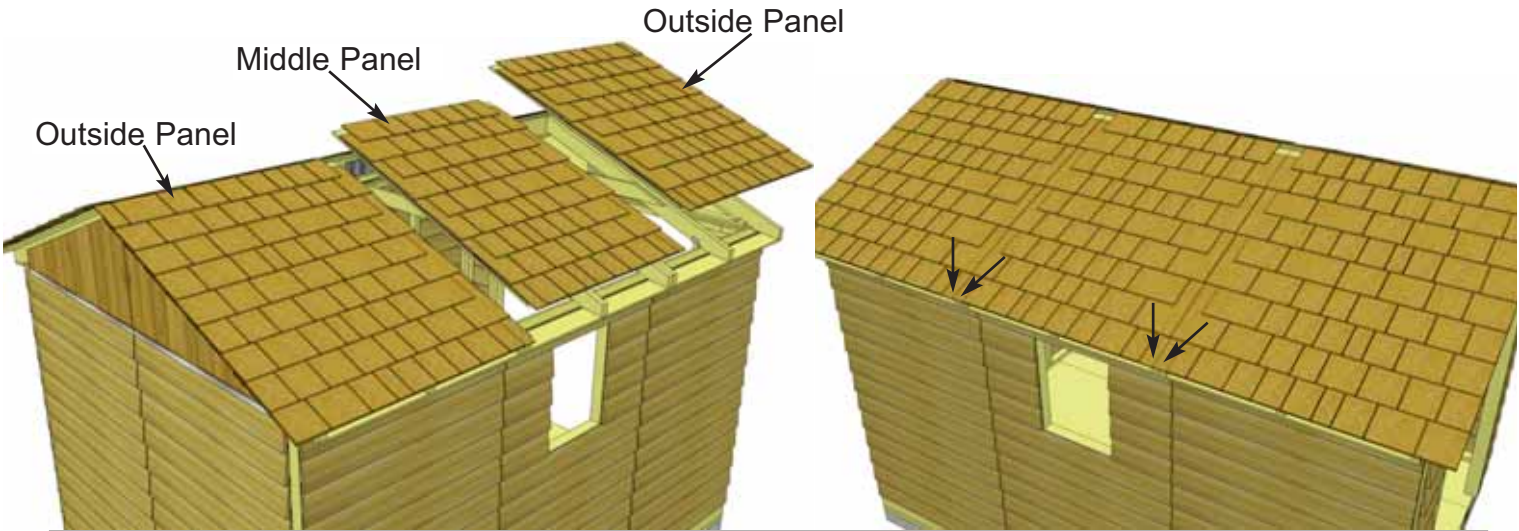


43. Locate a **Middle Roof Panel** (roof plywood flush with outside of shingles), and place on middle Rafters. Align panel as per **Step 42** and screw panel down to Rafters with **2 - 2 1/2" Screws** in the bottom row of shingles.



Shingles overhang plywood on Outside Roof Panel.

44. Lift up, position and attach 2nd **Outside Roof Panel** on Rafters as per **Step 42**.



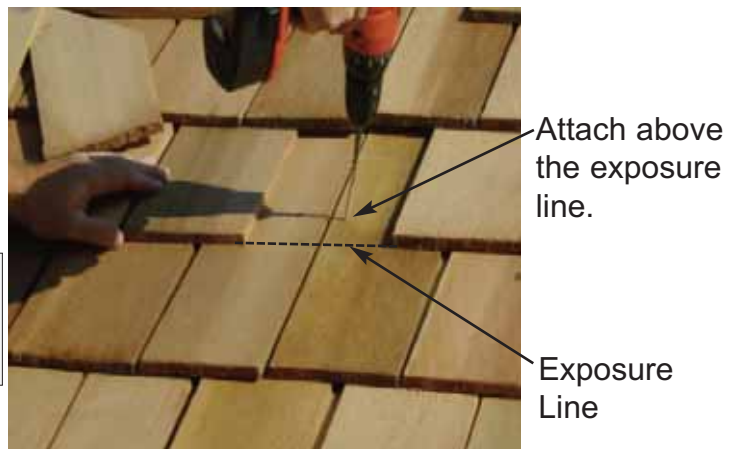
45. Position and attach Roof Panels on the other side as per **Steps 41 - 44**.

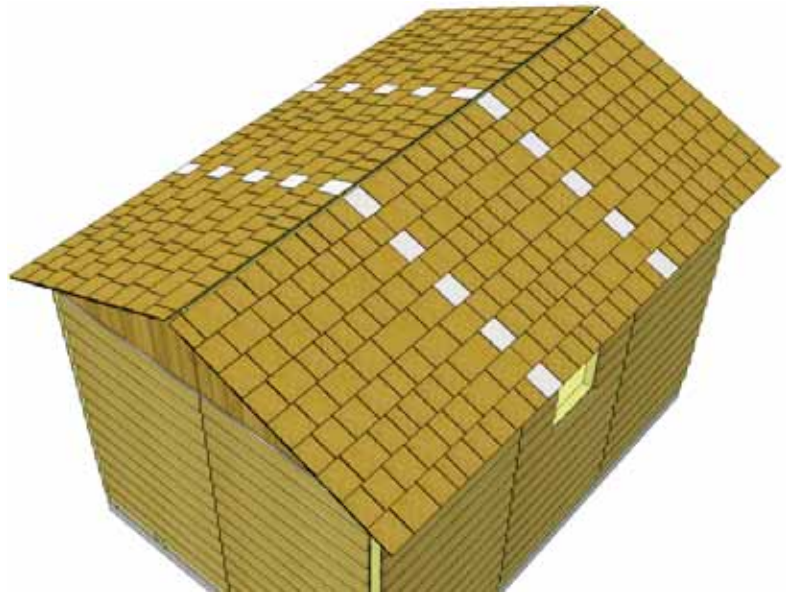


46. Roof **Filler Shingles** are included to cover roof seams. Starting at the bottom, slide the first Long Shingle in until flush with other bottom shingles.

Parts (Steps 46 - 48)	Hardware (Steps 46 - 48)
Filler Shingles - Long x 16	S1 - 2 1/2" Screws x 32 total
Filler Shingles - Short x 4	N2 - 1 1/2" Shingle Nails x 8 total

47. 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.





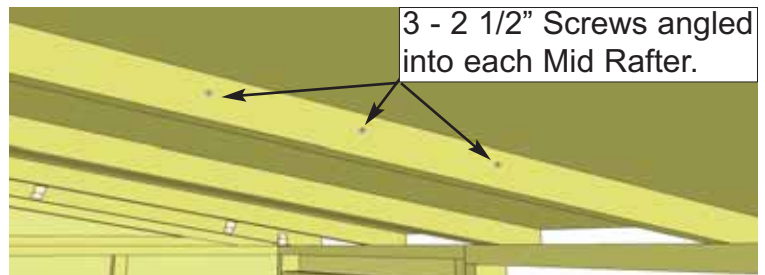
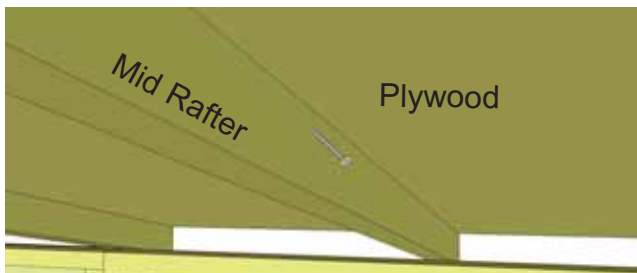
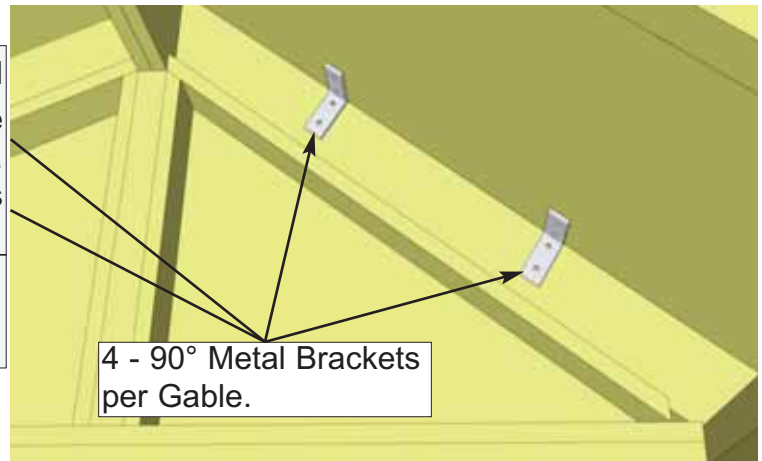
48. Slide in another filler shingle and attach as per **Step 47**. On your last row of shingles, attach smaller filler shingle with **2 - 1 1/2" Shingle Nails** near the top, to be covered by Ridge Caps in **Step 67**. Complete all four rows of filler shingles where roof seams meet in the same way.

49. Inside the shed, position **2 - 90° Metal Brackets** onto the roof plywood and outside rafter and secure with **4 - 1 1/4" Screws** each. Complete for both Gables - there are 4 Brackets per Gable.

Hardware

Y2 - 90° Metal Bracket x 8 total

S2 - 1 1/4" Screws x 32 total



50. 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.

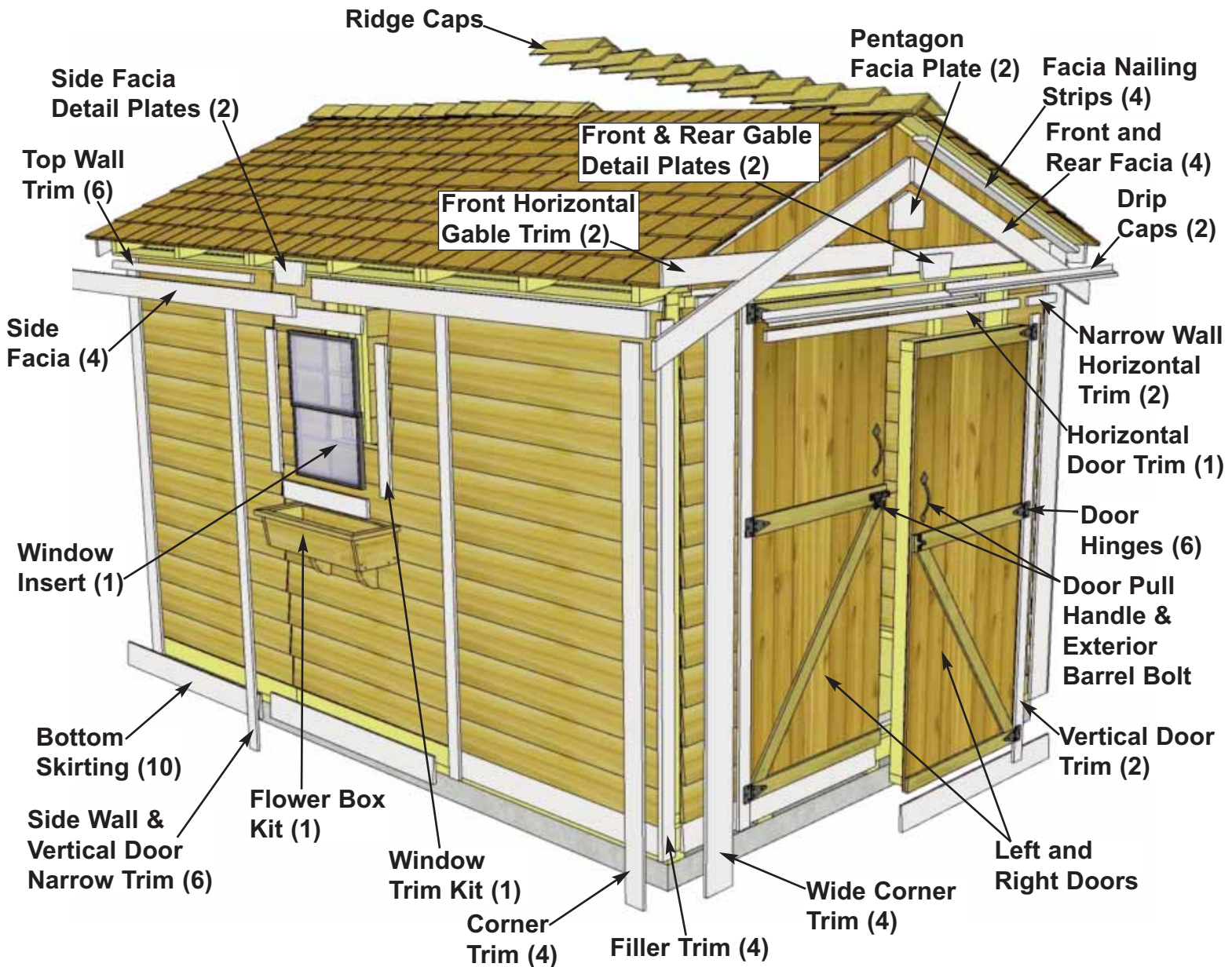
Hardware

S1 - 2 1/2" Screws
x 18 total

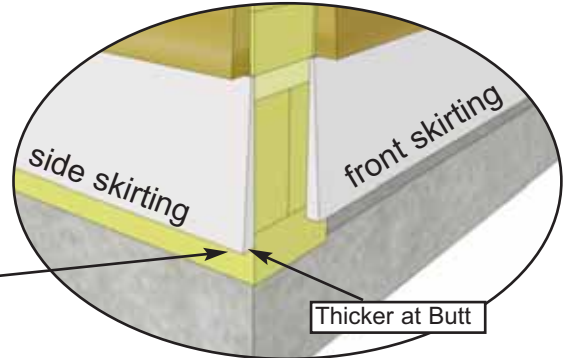
D. Trim & Miscellaneous Section

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

Note: Not shown: Rear Gable Trim, Rear Narrow Trim, Rear Gable Detail Plate, Interior Door Stops, 1 Interior Barrel Bolt

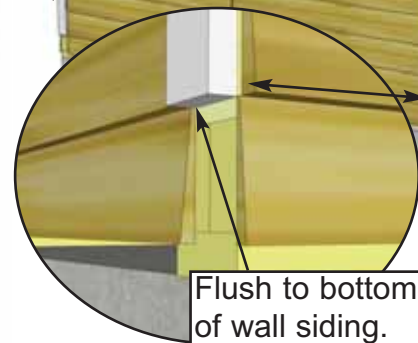


Expert Advice: When installing trim, sort pieces according to color and pieces that are most pleasing to the eye. Start with least visible side of shed and use the least desirable pieces first. Install trim to most visible side of shed as your skill installing trim improves.



51. Attach **Bottom Skirting - Bevel** around the base of the shed. Bevel is thicker at butt and thinner at top of board. Skirting will hide floor framing. Gaps on side will be covered by Wide Trim pieces later. Start with Side Skirting pieces first and attach with **4 - 1 1/2" Finishing Nails** per piece.

<u>Parts</u>
Bottom Skirting - Bevel (3/4" x 4 1/2" x 45 1/4") x 10
<u>Hardware</u>
N1 - 1 1/2" Finishing Nails x 40 total



52. Attach **Filler Trim** to each corner side wall. Align Filler Trim so it sits flush with the bottom of the last piece of Wall siding. Attach with **8 - 1 1/2" Finishing Nails** per piece.

<u>Parts</u>	<u>Hardware</u>
Filler Trim (7/8" x 2 1/2" x 75") x 4	N1 - 1 1/2" Finishing Nails x 32 total



53. Trim out Window Wall and Side Solid Walls by attaching **Top Wall Trim**. Position with thick end of Bevel downward at top of wall, tight against Soffits. Attach with **4 - 1 1/2" Finishing Nails** per piece.

Parts

Top Wall Trim (Bevel)
(3/4" x 1 1/2" x 45 1/4") x 6

Hardware

N1 - 1 1/2" Finishing Nails x 24 total



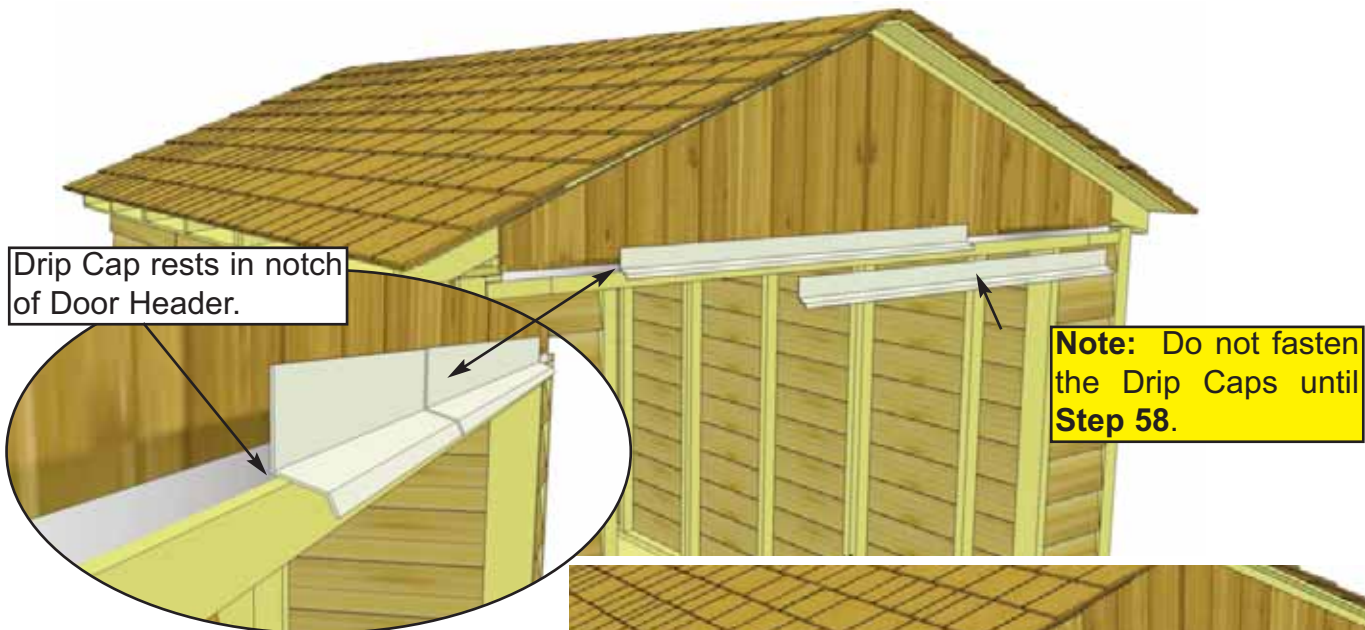
54. Attach **Rear Horizontal Gable Trims** to the back of the shed. Position over gable and wall seam with thick end of Bevel downward. Use **5 - 1 1/2" Finishing Nails** to secure each piece.

Parts

Rear Horizontal Gable Trim - Bevel
(3/4" x 4 1/2" x 45 1/4") x 2

Hardware

N1 - 1 1/2" Finishing Nails x 10 total



55. Position **Drip Caps** so they are overlapping above doorway, resting in the notch of the Door Header. The Drip Caps will not be attached until **Step 58**.

Have a friend hold the Drip Caps in place while attaching the **Front Horizontal Gable Trims** covering the flange of the Drip Caps and centered side-to-side. Attach Gable Trims with **2 - 1 1/2" Finishing Nails** into the corners of each piece so the Drip Caps have room to slide into position in **Step 58**.

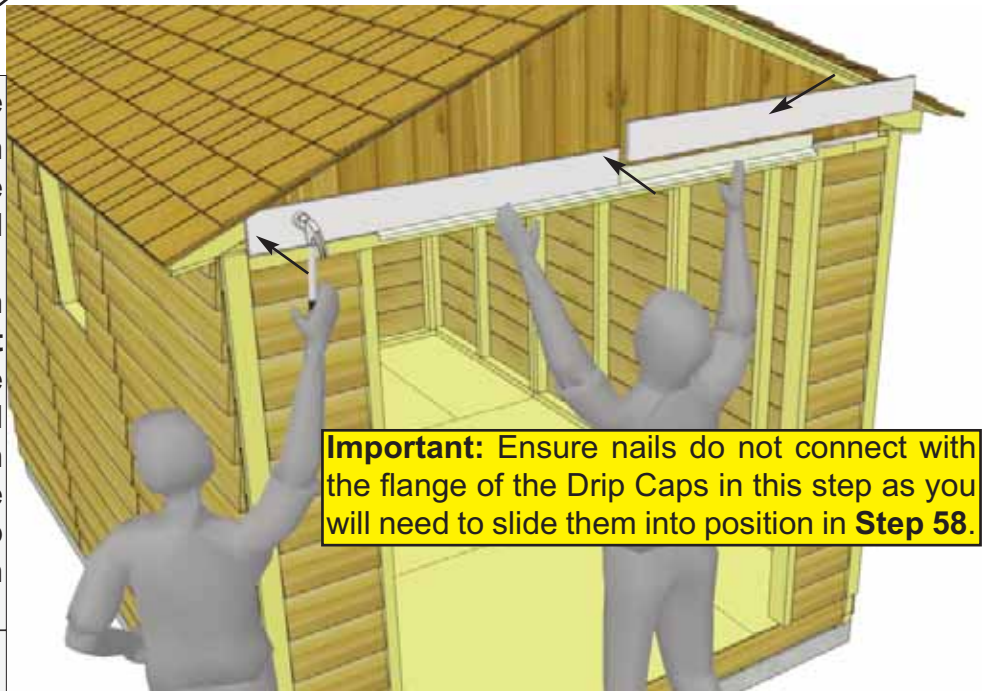
Parts

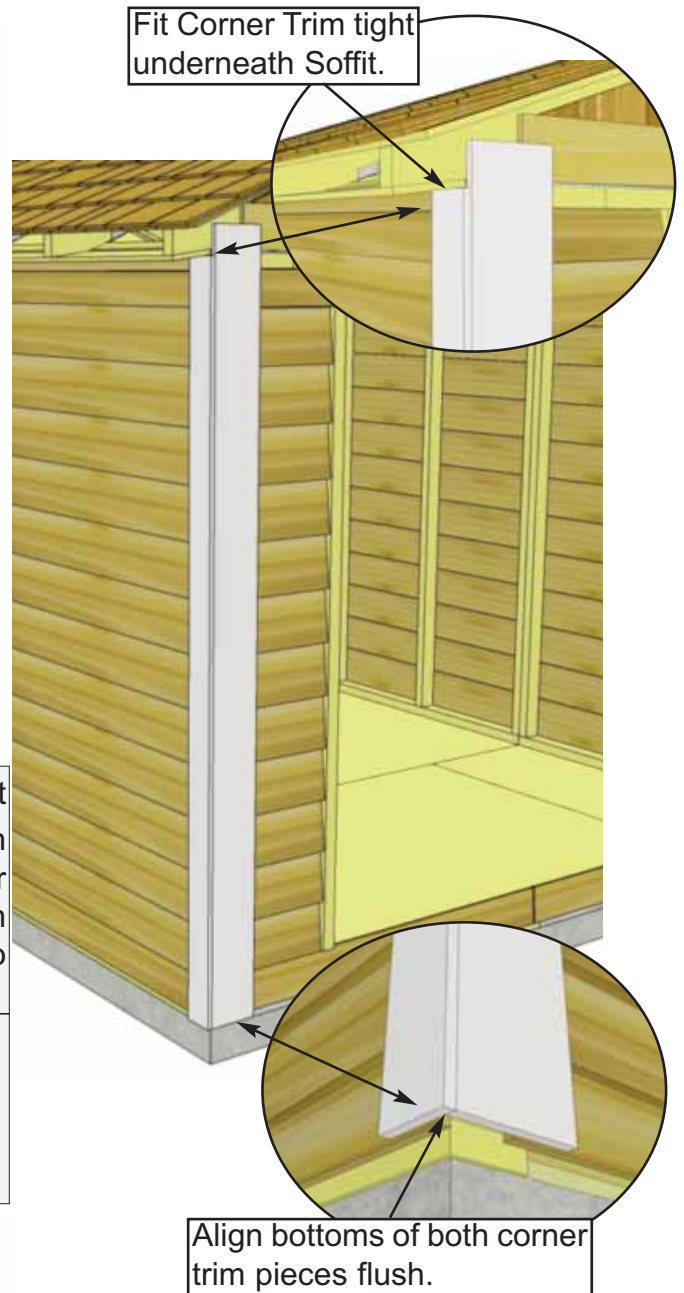
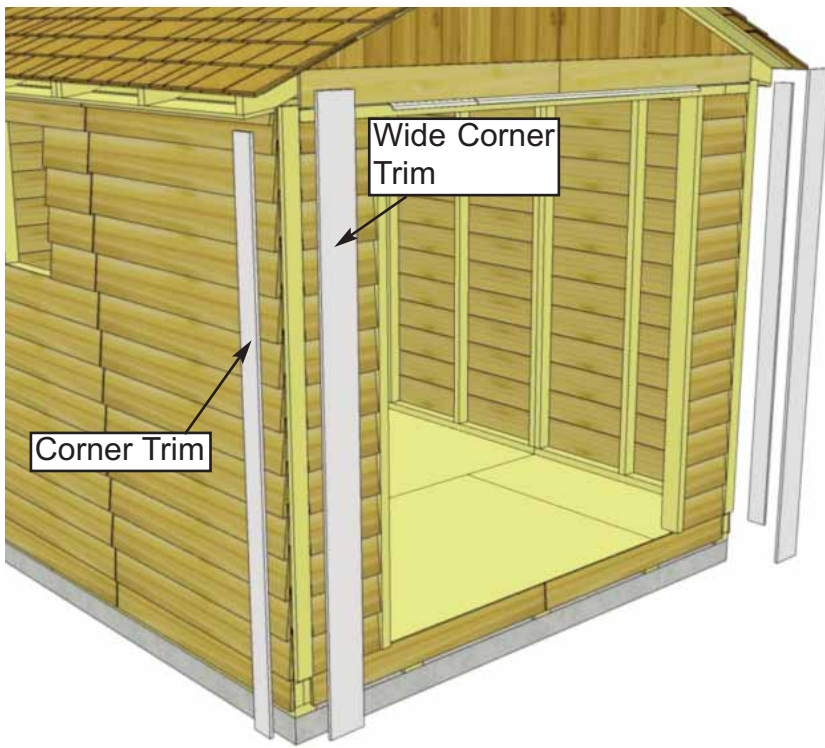
Metal Drip Caps
(48" length) x 2

Front Horizontal Gable Trim
(1/2" x 4 1/2" x 45 1/4") x 2

Hardware

N1 - 1 1/2" Finishing Nails
x 4 total





56. To trim out corners, start with a **Corner Trim**, align tight underneath Soffit and Rafter. Align **Wide Corner Trim** with bottom of Corner Trim. Corner Trim will cap the Wide Corner Trim. Do a dry run in each corner before attaching to confirm positioning. Use **8 - 1 1/2" Finishing Nails** per piece to secure. Complete other front corner the same.

Parts (Steps 57 - 58)

Corner Trim

(1/2" x 3 1/2" x 79") x 4

Wide Corner Trim

(1/2" x 5 1/2" x 82") x 4

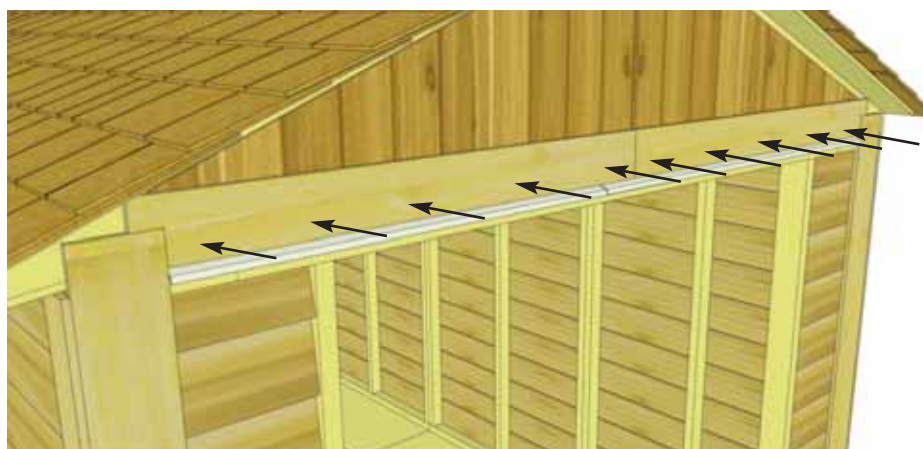
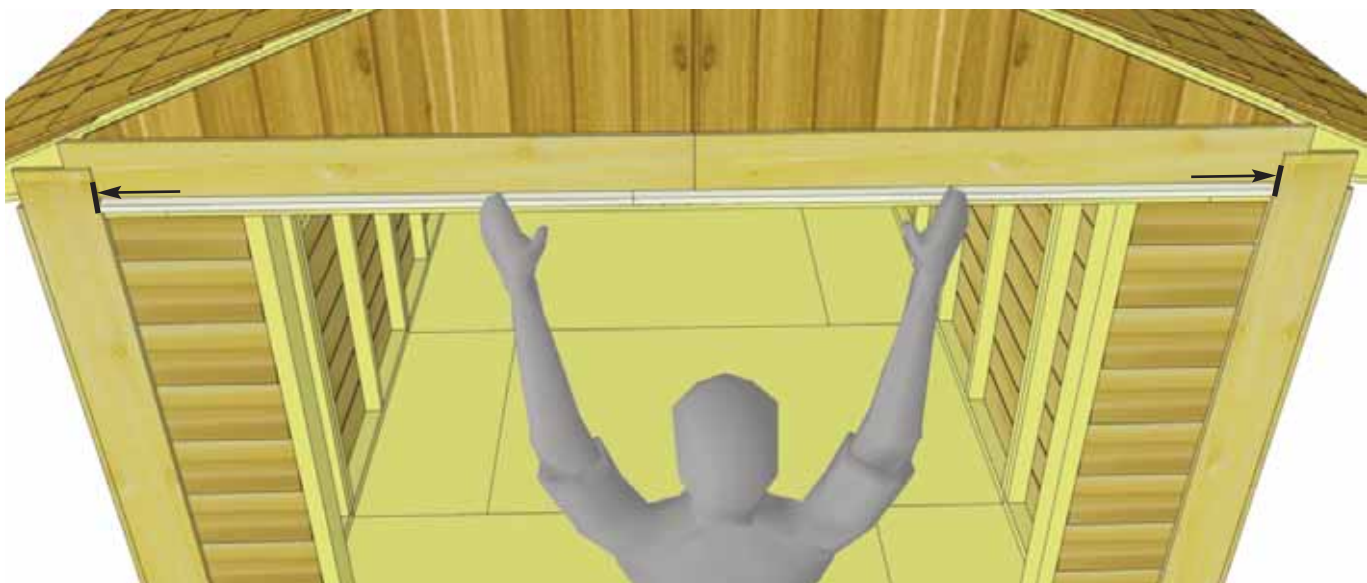
Hardware (Steps 57 - 58)

N1 - 1 1/2" Finishing Nails

x 64 total



57. Trim out rear corners with remaining pieces of **Corner Trim** and **Wide Corner Trim**. Align and attach with **8 - 1 1/2" Finishing Nails** per piece as per **Step 57**.



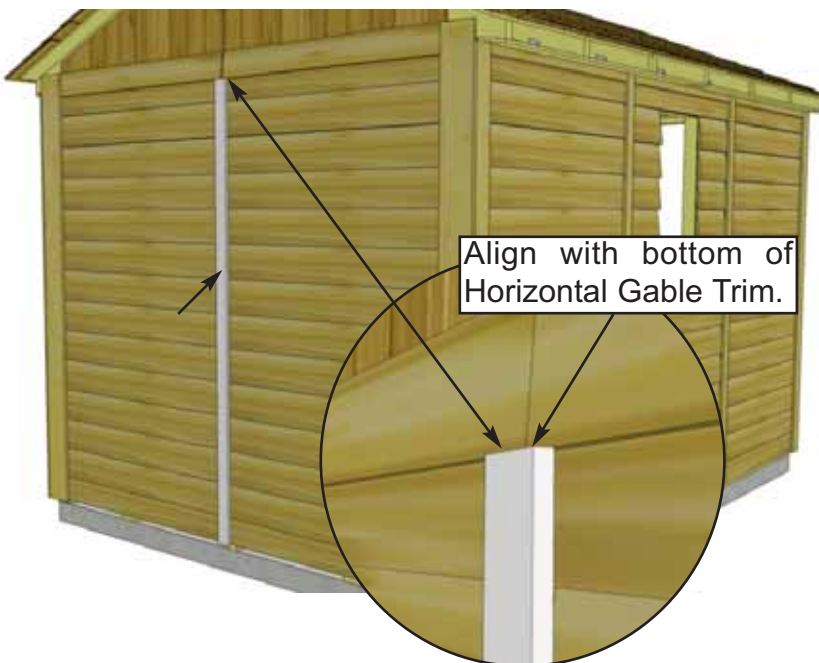
58. With the Corner Trims attached, slide the metal Drip Caps from **Step 55** outward horizontally until they stop at the Wide Corner Trim. Finish the Front Horizontal Gable Trim attachment with **5 - 1 1/2" Finishing Nails** per piece. Ensure the nails connect with the flange of the Drip Caps behind the Gable Trim to hold them in place.

Hardware
N1 - 1 1/2" Finishing Nails
 x 10 total



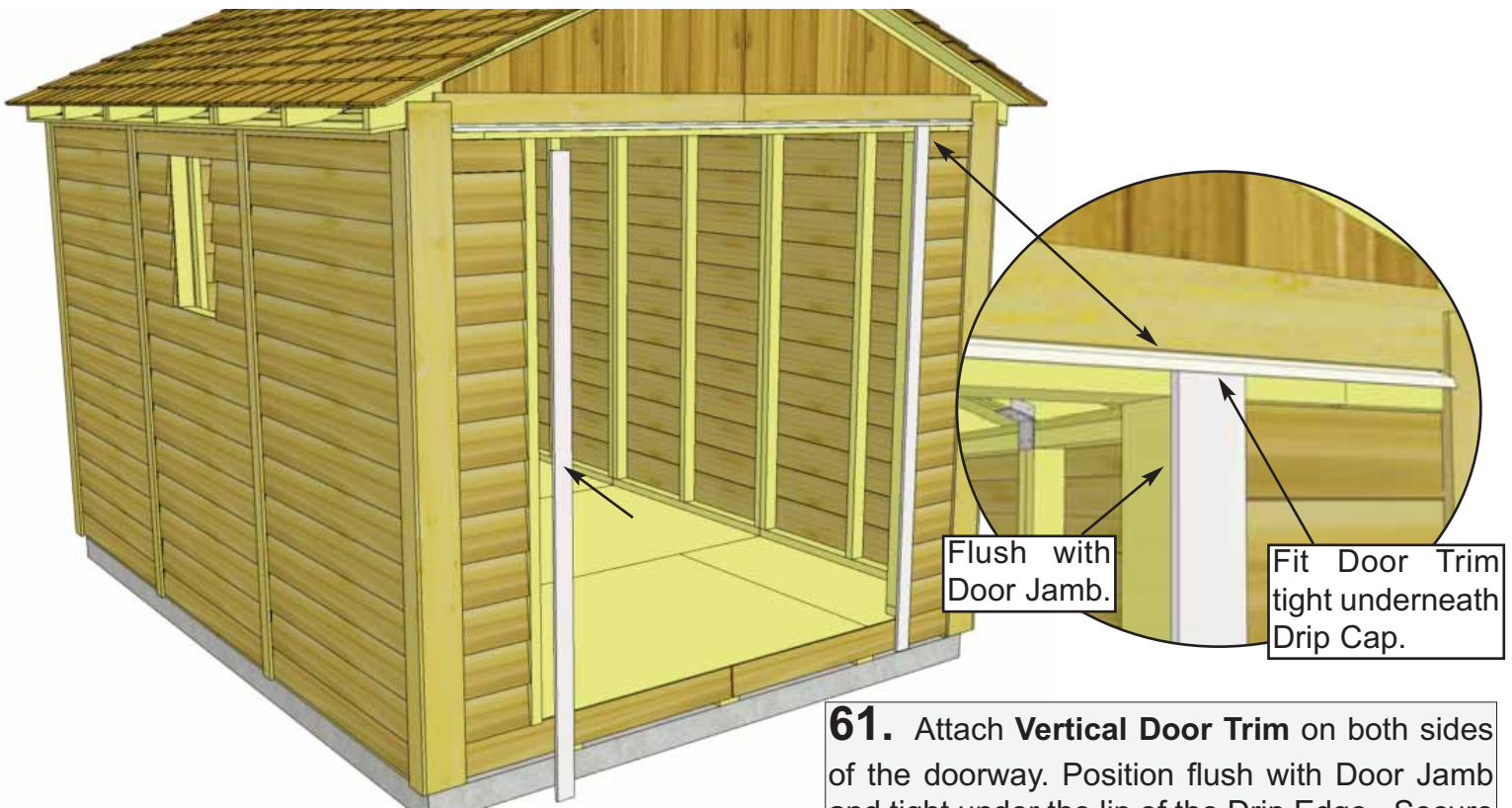
59. Attach **Side Wall Narrow Trim** where wall panels come together and leave a seam. Position trim equally on wall seam and tight underneath Soffit and Rafter. Use **8 - 1 1/2" Finishing Nails** per piece to secure.

<u>Parts</u>
Side Wall Narrow Trim (1/2" x 2 1/2" x 79") x 4
<u>Hardware</u>
N1 - 1 1/2" Finishing Nails x 32 total



60. Attach **Rear Wall Narrow Trim** where wall seams come together on back of shed. Position equally on wall seam and flush with the bottom of the Horizontal Gable Trim. Secure with **8 - 1 1/2" Finishing Nails**.

<u>Parts</u>
Rear Wall Narrow Trim (1/2" x 2 1/2" x 77 1/2") x 1
<u>Hardware</u>
N1 - 1 1/2" Finishing Nails x 8 total



Flush with Door Jamb.

Fit Door Trim tight underneath Drip Cap.

61. Attach **Vertical Door Trim** on both sides of the doorway. Position flush with Door Jamb and tight under the lip of the Drip Edge. Secure with **8 - 1 1/2" Finishing Nails** per piece.

Parts

Vertical Door Trim

(1/2" x 2 1/2" x 79") x 2

Hardware

N1 - 1 1/2" Finishing Nails x 16 total



Horizontal Narrow Wall Trim dado (notch) comes together with protruding edge of Door Header.

62. Attach **Horizontal Door Trim** and **Horizontal Narrow Wall Trim** onto the exposed part of the Door Header, and tight under the lip of the Drip Cap. Secure Horizontal Door Trim with **5 - 1 1/2" Finishing Nails** and the short Narrow Wall Trims with **2 - 1 1/2" Finishing Nails** per piece.

Parts

Horizontal Door Trim

(1/2" x 1 1/2" x 64") x 1

Horizontal Narrow Wall Trim

(7/8" x 3" x 9") x 2 - Dado Edge

Hardware

N1 - 1 1/2" Finishing Nails

x 9 total



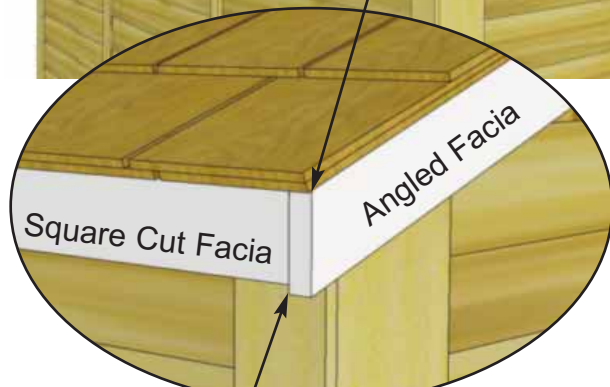
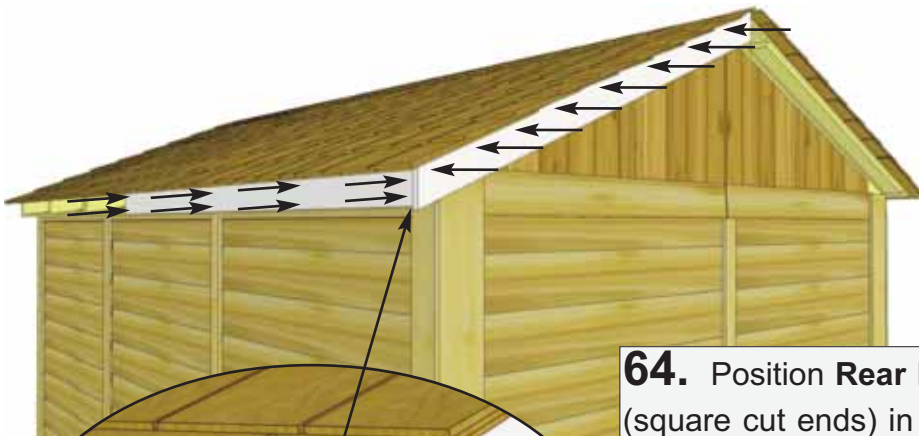
63. Attach **Facia Nailing Strips** to the underside edge of the plywood roof. Align corner of Nailing Strip with edge of roof plywood. Secure each Strip with **3 - 1 1/4" Screws**. Complete all four pieces, two on each side of the shed.

Parts

Facia Nailing Strips
(3/4" x 2 1/2" x 48") x 4

Hardware

S2 - 1 1/4" Screws x 12 total



Angled Facia caps Square Cut Facia.

64. Position **Rear Facia** (angle cut on ends) and **Side Facia** (square cut ends) in corner. Line Facia up so angle cut Facia caps square cut Facia. Attach angled Facia to Nailing Strip with **8 - 1 1/2" Finishing Nails** per piece. Gap where facia boards come together at peak will be covered in **Step 66**. Do a dry run using Side Facia to help you correctly position before attaching.

Parts (Steps 64 - 65)

Front & Rear Facia - Angle Cut Ends
(3/4" x 3 1/2" x 58") x 4

Side Facia

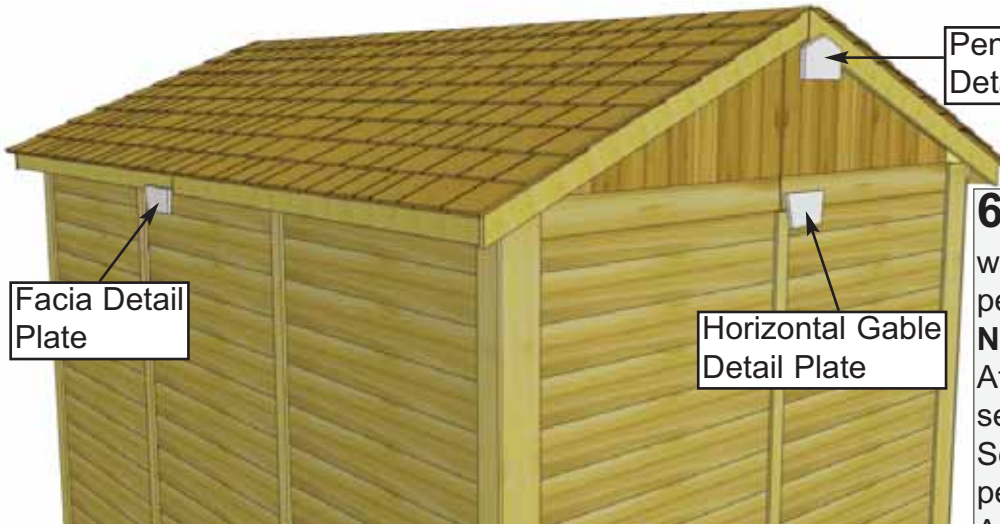
(3/4" x 3 1/2" x 71 3/4") x 4

Hardware (Steps 64 - 65)

N1 - 1 1/2" Finishing Nails x 64 total



65. Attach remaining **Front & Rear Fascia** as per **Step 64** and attach **Side Fascia** to Rafter ends. There are 2 Fascia pieces per side. Secure with **8 - 1 1/2" Finishing Nails** per piece, ensure nails connect with the ends of the Rafters behind Fascia. Gaps between Fascia pieces will be covered by Detail Plates in **Step 66**.



Pentagon Fascia Detail Plate

Fascia Detail Plate

Horizontal Gable Detail Plate

66. Attach **Pentagon Fascia Plates** where Front & Rear Facias meet at the peak. Secure with **4 - 1 1/2" Finishing Nails** per piece.

Attach **Fascia Detail Plates** to cover seams where Side Fascia pieces meet. Secure with **4 - 1 1/2" Finishing Nails** per piece.

Attach **Horizontal Gable Detail Plates** to cover seams where Horizontal Gable Trims meet. Secure with **4 - 1 1/2" Finishing Nails** per piece.

Parts

Pentagon Fascia Plates

(1/2" x 5 1/2" x 8") x 2

Fascia Detail Plates

(1/2" x 3 1/2" x 8") x 2

Horizontal Gable Plates

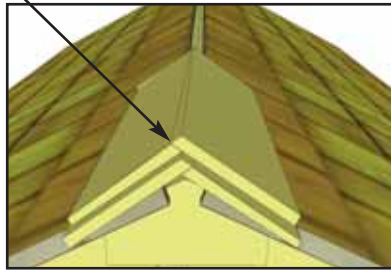
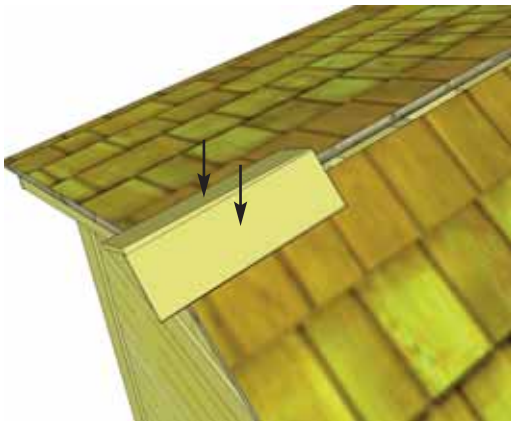
(1/2" x 4 1/2" x 8") x 2

Hardware

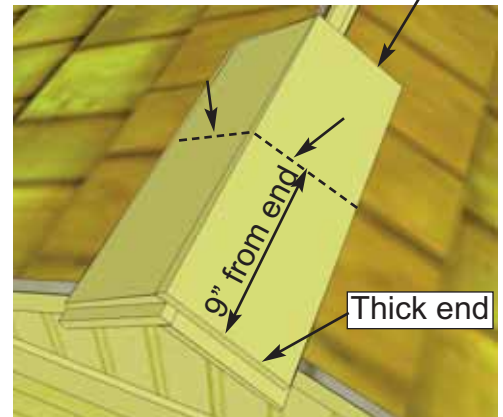
N1 - 1 1/2" Finishing Nails x 24 total



Alternate Ridge Cap seams
(Offsetting angle cut at peak)



Important: Butt (thick) end of Ridge Cap will be facing towards the outside of shed.



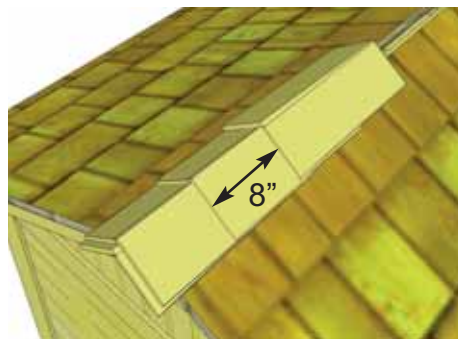
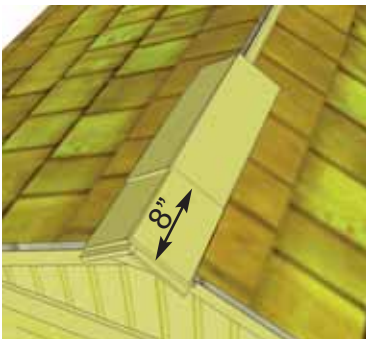
67. Place 1st **Roof Ridge Cap** on roof peak overhanging shingles by approximately 1". Attach with **2 - 1 1/2" Shingle Nails** 9" from end. Place 2nd Ridge Cap 1" back from 1st cap. Attach with **2 - 1 1/2" Shingle Nails** 9" from end. Alternate each Ridge Cap seam as you proceed.

Parts (Steps 67 - 68)

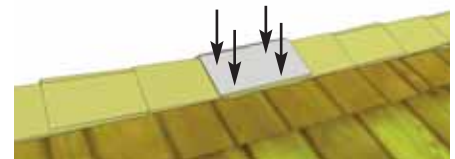
Roof Ridge Caps x 22

Hardware (Steps 67 - 68)

N2 - 1 1/2" Shingle Nails
x 46 total



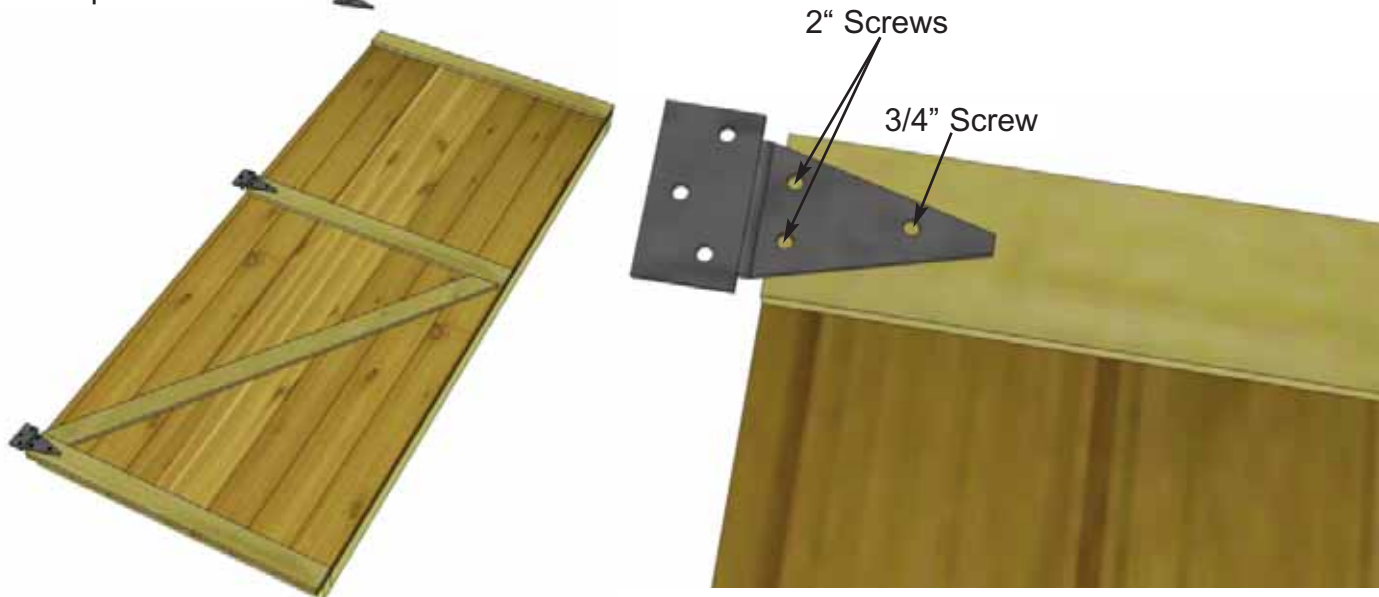
68. Place 3rd Ridge Cap 8" back from 2nd (enough to cover shingle nails). Attach 3rd Ridge Cap as per **Step 67**. Continue to position and attach Ridge Caps until half the roof is complete. From opposite side, position and attach Ridge Caps as described above. One Ridge Cap is cut shorter to fit in the center of the roof. Attach center cap with **4 - 1 1/2" Shingle Nails**.



Note: illustration of Hinge may not be accurate.

The # of screw holes in the hinge may vary from three to four depending on model.

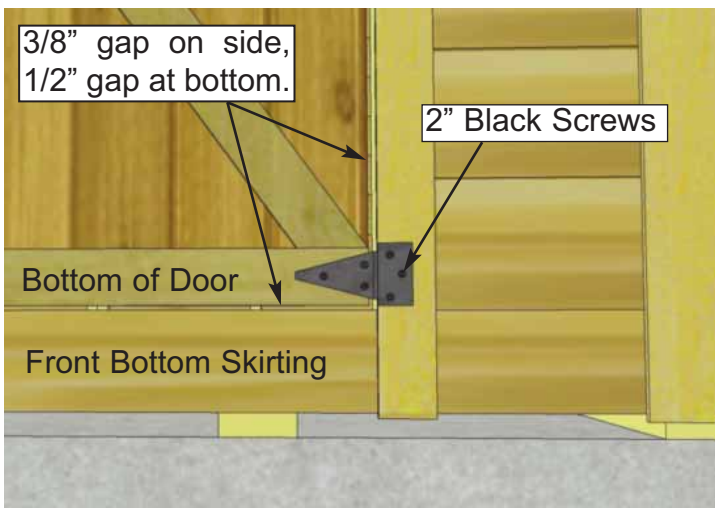
Attach Black Tee Hinges
with 3/4" & 2" Black
hardware provided



69. Attach Door Hinges to both **Left** and **Right Side Double Doors**. Position Hinges equally on door trim as shown above and attach with Black 3/4" and 2" screws.

Parts (Steps 69 - 71)
Left Side Door
(31 1/2" x 72") x 1
Right Side Door
(31 1/2" x 72") x 1

Hardware (Steps 69 - 71)
Y1 - Tee Hinges x 6 total
SB1 - 3/4" Black Screws x 6 total
SB2 - 2" Black Screws x 30 total



70. Next, position and secure the Double Doors. Starting with **Right Side Door**, position so there is a 1/2" gap on bottom and approximately 3/8" on the side. Use a spare Shingle to shim door in place at the bottom. Secure hinges to Door Trim with **3 - 2" Black Screws** per hinge. **Hint:** Do not attach all the 2" screws until both doors are positioned correctly into place. Use Screw Driver to tighten screws completely.



71. Position **Left Side Door** as per **Step 70** and secure with 2" Black Screws. When satisfied with door positioning, complete all 2" Black Screw attachments. **Note:** Do not over tighten hinge screws when using screw gun. Tighten 3/4 of the way and use a Screw Driver to finish so as not to strip screws.

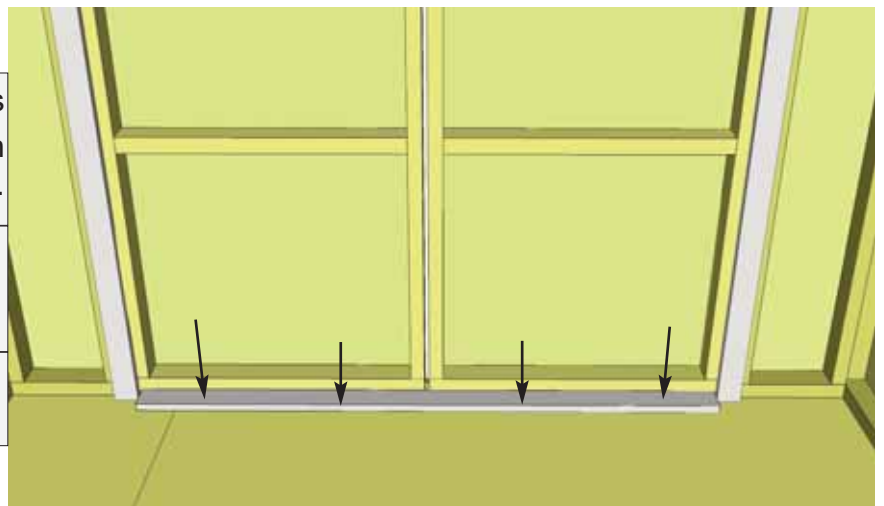


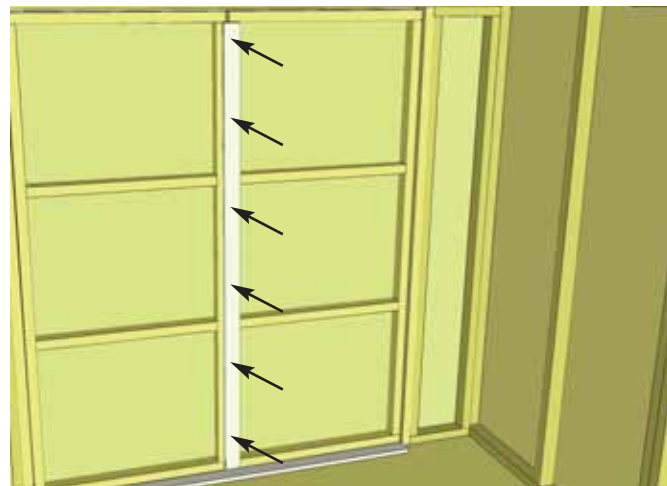
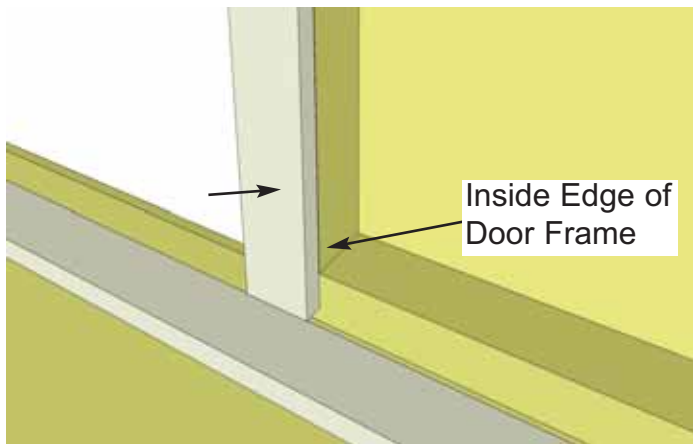
72. Attach **Horizontal** and **Vertical Door Stops** to Door Header and Jambs. Start with Horizontal Stop first and then complete both Vertical Stops. Position so door gap is covered. Use **4 - 2" Screws** per piece to secure.

Parts	Hardware
Horizontal Door Stop (1/2" x 2 1/2" x 68") x 1	S3 - 2" Screws x 12 total
Vertical Door Stops (1/2" x 2 1/2" x 72") x 2	

73. Close both doors and align so doors are straight. Attach **Door Threshold** with **4 - 2" Screws**, centering between doorway.

Parts
Door Threshold (3/4" x 2 1/2" x 62 1/2") x 1
Hardware
S3 - 2" Screws x 4 total

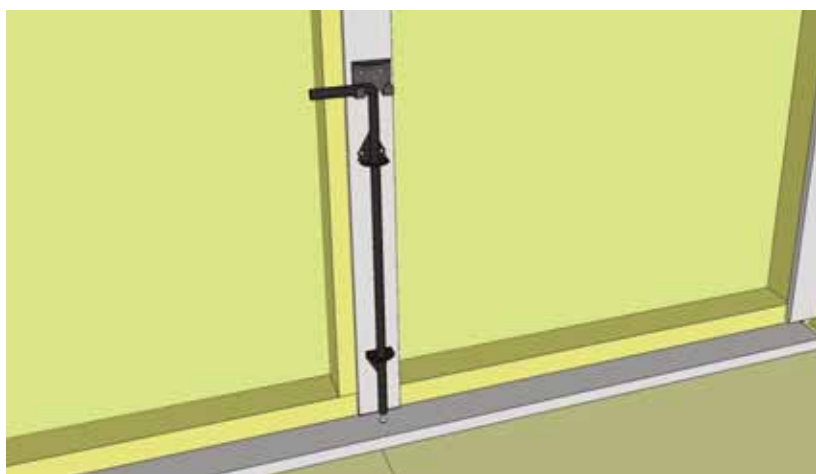




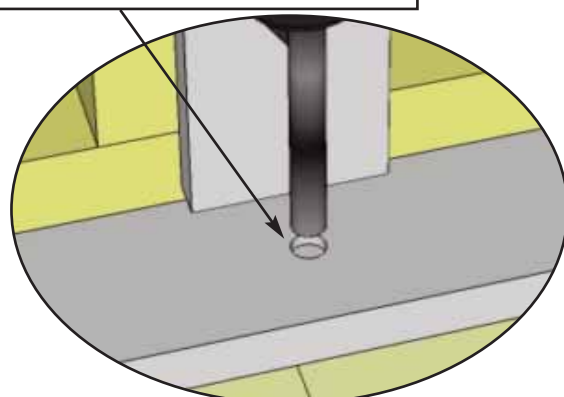
74. Position and attach **Vertical Door Flange** on inside edge of door frame (**left door from outside**) using **6 - 2" Screws**.

Parts
Interior Door Flange
 (1/2" x 2 1/2" x 71") x 1

Hardware
S3 - 2" Screws
 x 6 total



Drill 1/2" Diameter Hole to accommodate rod of Cane Bolt.



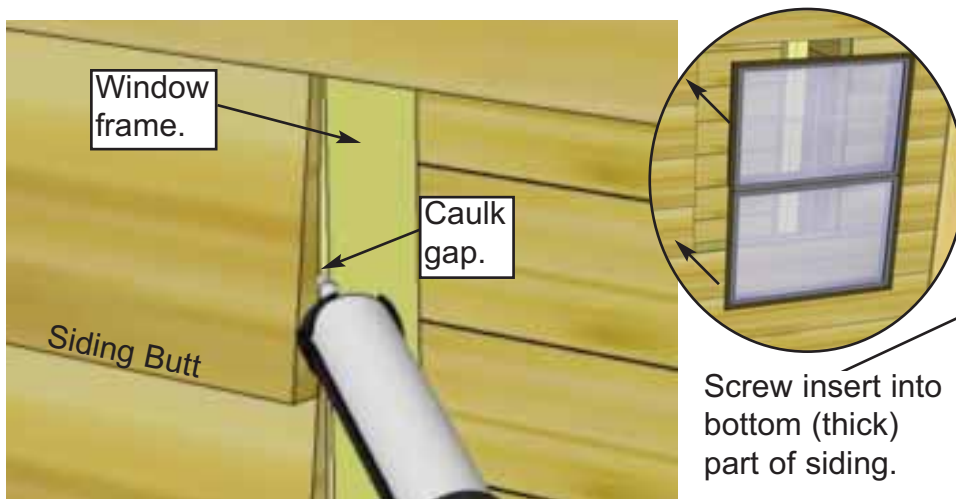
75. The Interior **Cane Bolt** will be attached to Vertical Door Flange. To position Cane Bolt correctly, attach to flange first, close doors and mark hole to house Cane Bolt Rod. Open doors and drill hole where previously marked with 1/2" bit. Attach Cane Bolt with 3/4" black screws.

Hardware
Y6 - Cane Bolt x 1 total
SB1 - 3/4" Black Screws
 x 6 total



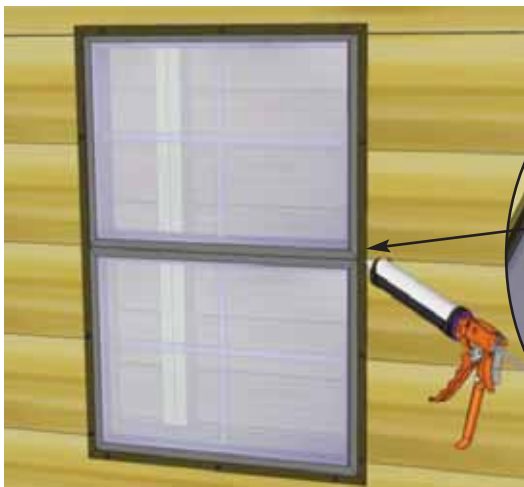
76. Attach **Door Handles** and Exterior Black **Barrel Bolt** to door. Attach Barrel Bolt as illustrated above with **5 - 2" Black Screws & 1 - 3/4" Black Screw**. Note how female part of Barrel Bolt is positioned higher than male. Do a dry run first to position Barrel Bolt correctly. Attach each Door Handle with **4 - 3/4" Black Screws**, ensure screws connect with inner door stud.
Important: Drill pilot holes with 1/8" drill bit prior to securing with screws to prevent wood splitting.

Hardware
Y3 - Door Handles x 2 total
Y4 - Barrel Bolt x 1 total
SB1 - 3/4" Black Screws
 x 9 total
SB2 - 2" Black Screws
 x 5 total



77. To reduce possible water from penetrating into the window cavity, caulk gap on both sides of window opening prior to installing **Window Insert**. Position insert in cavity and screw with **6 - 1 1/4" Screws**. On sides, make sure to screw insert into the thick butt of the siding only.

<u>Parts</u>
Window Insert x 1
<u>Hardware</u>
S2 - 1 1/4" Screws x 6 total



78. Once Insert is attached, caulk the "triangular gap" between the Insert's outside flange and the siding. Also put a bead of caulking horizontally at top of window where the flange and siding meet. This additional caulking will also will reduce the chances of moisture entering into your shed.



79. Position **Window Trim** around window doing a dry run first and attach with **4 - 1 1/2" Finishing Nails** per piece. Window trim has a small dado on reverse face. Outside flange of window will roughly sit in the dado to give a better fit.

<u>Parts</u>	<u>Hardware</u>
Window Trim Package x 1 (Top - 24 1/16" Long - <i>Angle Cut Ends</i>) x 1 (Sides & Bottom - 23" Long) x 3	N1 - 1 1/2" Finishing Nails x 16 total



80. Assemble **Flower Box** with Assembly Instructions included. Position completed Flower Box below bottom of window trim and secure with **2 - 2" Screws**. Screw from inside of box into the center Window Wall stud. Attach second screw 2" underneath first screw and once again into the wall stud.

<u>Parts</u> Flower Box Kit x 1
<u>Hardware</u> S3 - 2" Screws x 2 total



Congratulations on assembling your 8x12 SpaceMaker!

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 assembling your 8x12 SpaceMaker Garden Shed 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.

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