



12x8 Studio Garden Shed Assembly Manual

Version #3
March 5th, 2019

Thank you for purchasing a 12x8 Studio Garden Shed. 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 12x8 Studio Garden Shed.
Please take the time to identify all the parts prior to assembly.**

1. Floor Section	Parts List - Pages 2 and 3	Steps ↓
Floors -----		
1A: 3 - 45 1/2" x 75" - Floor Joist Frames		1-12
1B: 6 - 1 1/2" x 3 1/2" x 71 3/4" - Center Floor Joists - Unattached		
1C: 3 - 45 1/2" x 21" - Floor Joist Frames		
1D: 3 - 45 1/2" x 75" - Plywood Floor - Large		
1E: 3 - 45 1/2" x 21" - Plywood Floor - Small		
1F: 10 - 1 1/2" x 3 1/2" x 68 3/16" Floor Runners		
2. Wall Section		Steps ↓
Main Wall Panels -----		
2A: 2 - 48 3/4"w x 80 1/4"h - Front Window Wall Panels		13-20
2B: 7 - 45 1/2"w x 75"h - Solid Wall Panels (Bottom Plates Unattached)		
2C: 7 - 1 5/8" x 2 1/2" x 45 3/8" - Bottom Wall Plates		
Main Wall Plates -----		
2D: 5 - 3/4" x 2 1/2" x 65 3/4" - Rear/Side/Middle Front		21-22
2E: 2 - 3/4" x 2 1/2" x 35 3/8" - Front		
2F: 2 - 3/4" x 2 1/2" x 27 3/4" - Side		
Rear Extender Walls - Rectangular -----		
2G: 3 - 45 1/2"w x 9"h - Rear Extender Walls		23-24
Side Gable Walls (Trapezoid Shape) -----		
2H: 2 - 45 1/2" w x 19" h x 10" h - Rear Side Gable Walls (R/L)		25-27
2I: 2 - 45 1/2" w x 28" h x 19" h - Front Side Gable Walls (R/L)		
Upper Wall Plates -----		
2J: 2 - 3/4" x 2 1/2" x 68 1/4" - 11 degree angle - Front		28, 30, 34
2K: 2 - 3/4" x 2 1/2" x 68 1/4" - 11 degree angle - Rear		
Door Jambs -----		
2L: 2 - 3/4" x 3 1/2" x 80 1/4" - Vertical Door Jambs		29
Upper Front Walls -----		
2M: 2 - 48 1/2"w x 22 3/4"h - Upper Front Window Walls		31-33
2N: 1 - 39 1/2"w x 22 3/4"h - Centre Upper Front Window Wall		
3. Rafter and Roof Section		Steps ↓
Rafters -----		
3A: 14 - 1 1/2" x 3 1/2" x 47" - Rafters (11° angle cut on ends)		37-47
3B: 14 - 1 1/2" x 3 1/2" x 72" - Rafters (11° angle cut on ends)		
3C: 4 - 1 1/2" x 3 1/2" x 59 1/2" - Rafter Facia (11° angle cut on ends)		
Rafter Spacers -----		
3D: 2 - 1/2" x 2 1/2" x 60" Plywood Spacer Jig - Sides		40-49
3E: 1 - 1/2" x 2 1/2" x 44 7/8" Plywood Spacer Jig - Center		
3F: 2 pcs - Front Rafter Overhang Spacer - 14 1/2" long (shingle marked)		
Roof Panels (6) -----		
3G: 1 - Front Outside Right Roof / 1 - Rear Outside Right Roof		50-55
3H: 1 - Front Center Roof - 48" wide / 1 - Rear Center Roof - 48" wide		
3I: 1 - Front Outside Left Roof / 1 - Rear Outside Left Roof		
Filler Shingles -----		
3J: 20 pcs - 5 1/2" w x 16" Long		56-59
3K: 2 pcs - 5 1/2" w x 11" long		
Front Roof Ridge Cap -----		
3L: 2 pcs - 3/4" x 3 1/2" x 75"		60
Facia/Roof Nailing Strips -----		
3M: 2 - 3/4" x 1 1/2" x 72"		63
3N: 2 - 3/4" x 1 1/2" x 44"		
4. Trim Section		Steps ↓
Soffits Front -----		
4A: 2 - 3/4" x 3 1/2" x 14" (Outside L/R Cap)		64-67
4B: 8 - 3/4" x 3 1/2" x 67" (Tongue & Groove)		
4C: 2 - 3/4" x 1 3/4" x 67" (Tongue cut off - positioned against shed)		
4D: 1 - 1/2" x 2 1/2" x 13 7/8" (Center Cap)		

4. Trim Section Cont.	Steps ↓
Soffits Rear ----- 4E: 2 - 3/4" x 3 1/2" x 6 1/2" (Outside L/R Cap) 4F: 2 - 3/4" x 3 1/2" x 67" (Tongue & Groove) 4G: 2 - 3/4" x 2 3/4" x 67" (Tongue cut off - positioned against shed) 4H: 1 - 1/2" x 3 1/2" x 4 1/2" (Center Cap)	68-69
Top Horizontal Wall Trim ----- 4I: 1 - 3/4" x 1" x 39" - Front 4J: 2 - 3/4" x 1" x 48 3/4" - Front 4K: 3 - 3/4" x 1" x 45 1/2" - Rear	70
Facia Trim ----- 4L: 4 - 3/4" x 5 1/2" x 72 3/4" - Front/Rear 4M: 4 - 3/4" x 5 1/2" x 60" - Side (11° cut ends- mirror Image) 4N: 4 - 1/2" x 7 1/2" w x 5 1/2" - Facia Detail Plates	71-76
Bottom Skirting Trim ----- Side and Rear 4O: 7 - 3/4" x 1/2" x 45 1/2" - Bottom Skirting Front 4P: 1 - 3/4" x 4 1/2" x 39" - Center Bottom Skirting 4Q: 2 - 3/4" x 4 1/2" x 48 3/4" - Outside Bottom Skirting	77-79
Corner & Wall Trim ----- Filler 4R: 4 - 7/8" x 2 1/2" x 72" - Filler Trims (all corners) 4S: 2 - 7/8" x 2 1/2" x 28 1/2" - Filler Trims (Front top) 4T: 2 - 7/8" x 2 1/2" x 12" - Filler Trims (Rear top)	80
Corner ----- 4U: 2 - 1/2" x 2 1/2" x 46" - Top Front Narrow Corner (22° scarf cut) 4V: 2 - 1/2" x 5 1/2" x 46 1/2" -Top Front Side Wide Corner(22° scarf /11°cut top) 4W: 2 - 1/2" x 2 1/2" x 62" - Bottom Front Narrow Corner (22° scarf cut) 4X: 2 - 1/2" x 5 1/2" x 62" - Bottom Front Side Wide Corner (22° scarf cut) 4Y: 2 - 1/2" x 5 1/2" x 91" - Rear Side Wide Corner (11° cut top - mirror) 4Z: 2 - 1/2" x 2 1/2" x 89" - Rear Corner	81-83
Side ----- 4AB: 2 - 1/2" x 2 1/2" x 37 3/4" - Top Side (22° scarf /11° cut top - mirror image) 4AC: 2 - 1/2" x 2 1/2" x 62" - Bottom Side (22° scarf cut)	84
Rear ----- 4AD: 2 - 1/2" x 2 1/2" x 89" - Rear Walls	85
Pre-Hung Door (Fiberglass - primed white) ----- 4AE: 1 - 37 1/2" x 80"	86-87
Door Trim ----- 4AF: 1 - 3/4" x 2 1/2" x 40" - Above Door Filler Trim (Bevel-install thick end up) 4AG: 2 - 1/2" x 2 1/2" x 84" - Vertical Door Trim 4AH: 1 - 1/2" x 3" x 44 1/2" - Horizontal Door Trim (angle cut - bottom corners)	88-89
Windows ----- 4AI: 2 - Large Window Inserts - 30 1/4"w x 35" h 4AJ: 3 - Transom Window Inserts - 35"w x 10 1/8" h	90-93
Window Trim Pkgs. ----- 4AK: Large Windows (2 Pkgs) Top-1 -36 1/4" 11° cut / Sides - 2 -36 1/8" sq.cut / Bottom- 1 -35 1/4" sq.cut	94
4AL: Transom Windows (Left/Right) 2 Pkgs----- Top-1 - 41" 11° cut / Sides- 2 -10 5/8" sq.cut / Bottom-1 -40" sq.cut	95
4AM: Transom Window (Center) 1 Pkg----- 2 Horizontal - 35 3/4" - sq.cut / 2 Vertical - 20 1/2" - sq.cut	96
Miscellaneous Pieces 4AN: 2 pc - Spare Wall Siding (48 1/2" long) 4AO: 8 pcs - Shim Shingles- use to shim door, etc.	

If you plan on painting your door, we suggest doing it prior to construction

12X8 Studio Garden Shed HARDWARE PACKAGE

Hardware Kit (Provided)

S1 - 2 1/2" Screws  x 442

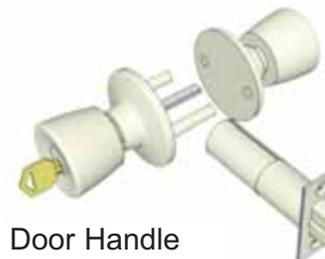
S3 - 2" Screws  x 71

S2 - 1 1/4" Screws  x 356

N1 - 1 1/2" Finishing Nails  x 475

BR1 - Square Drive Bit  x 2

 x 34
Y2 - 90° Metal
Bracket (Roof)


Door Handle
with hardware

Tools Required (Not Provided)



Hammer



Screw Gun/Drill



Tape Measure



Wood Clamp



Phillips
Screwdriver



Level



Pliers



2
Ladders



1/8" & 3/8" 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.

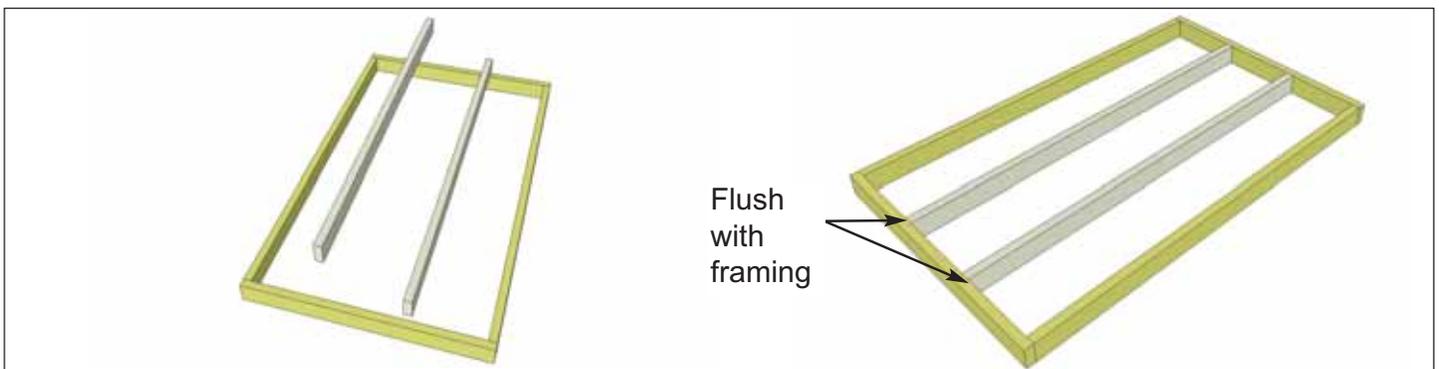
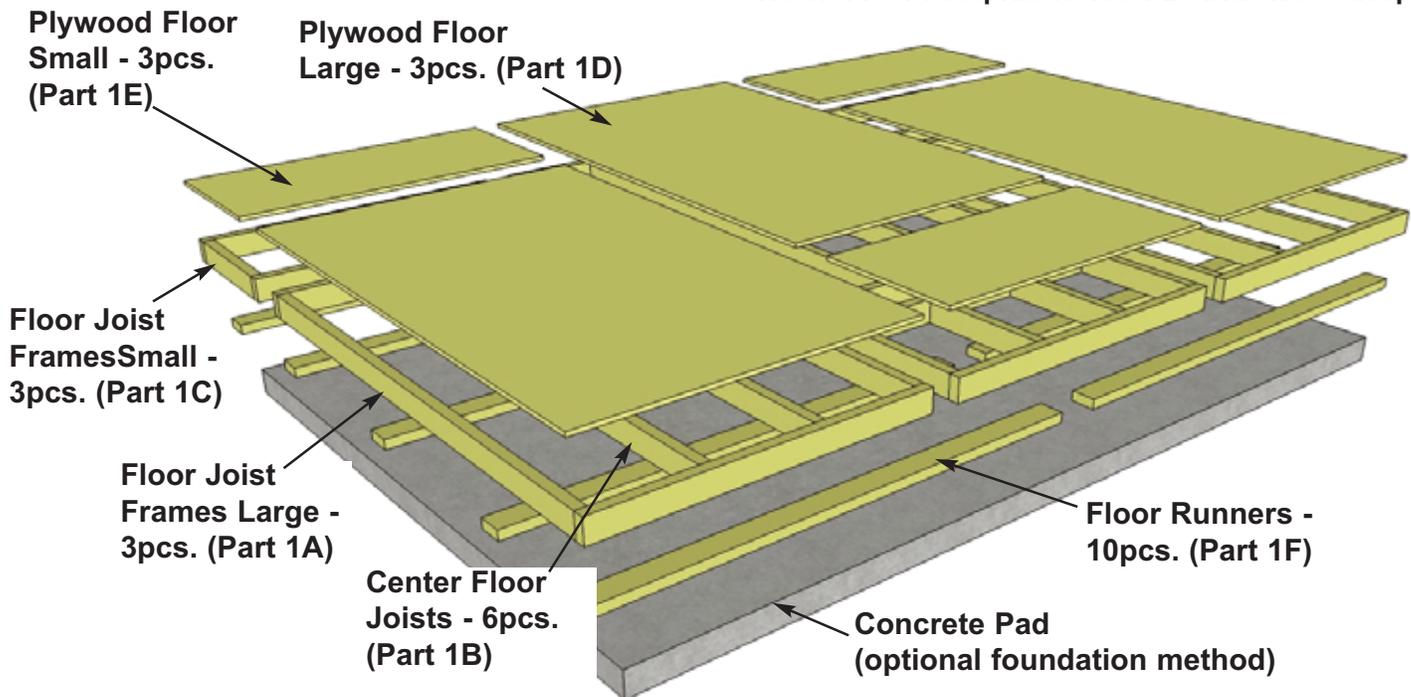
Concrete - Slab Foundation : Typically a slab 3-4 inches thick laid over a sub-base of 4 inches of gravel or crushed rock is sufficient but may vary depending on your geographic location. Using either mix your own concrete or having it delivered by truck, ready to pour, depends on how much time and effort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

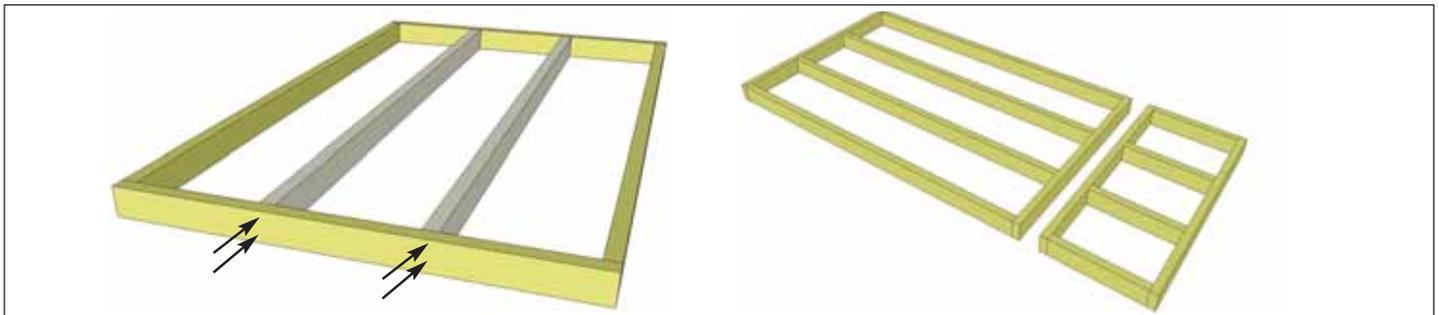
1. Floor Section

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.



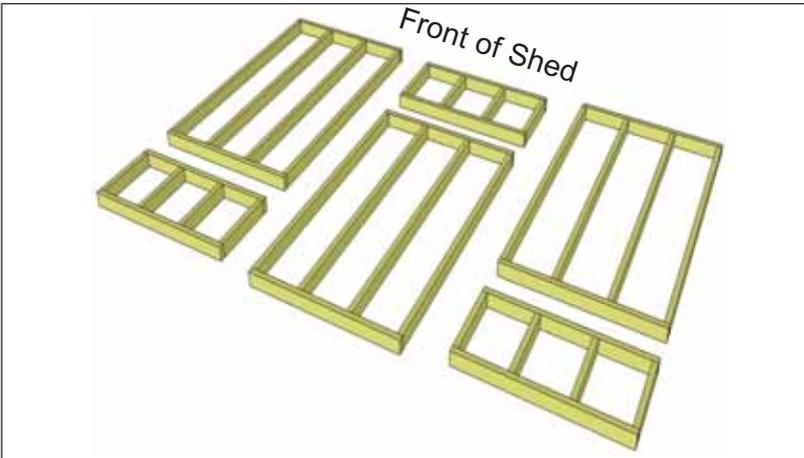
1. Lay out **1A - Floor Joist Frames** and two of **1B - Floor Joists** as illustrated above. Position Joists equally in Floor Joist Frame. Use **1C - Small Floor Joist Frame** as a template to determine joist position. Position Joist so flush with framing.

Parts (Steps 1 - 2)
1A - Large Floor Joist Frames
 (45 1/2" x 75") x 3
1B - Floor Joists
 (1 1/2" x 3 1/2" x 71 3/4") x 6



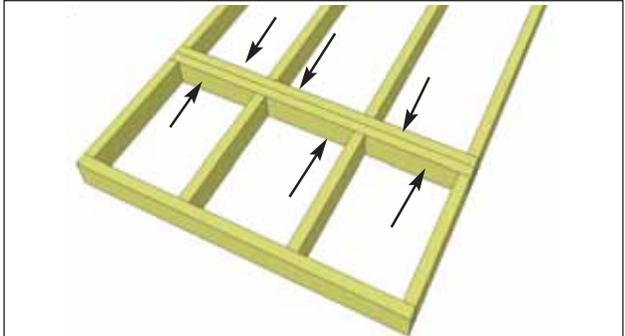
2. When correctly positioned, attach each Joist with **4 - 2 1/2" screws** (2 per end). **You can find the Square Drive Screw Bit in the Hardware Kit Bag.** Complete 2 remaining Large Floor Joist Frames.

Hardware
S1 - 2 1/2" Screws
 x 24 total



3. Lay out **1A & 1C - 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.

You can find BR1 - Square Drive Bit for the screws in with the Hardware Kit Bag.



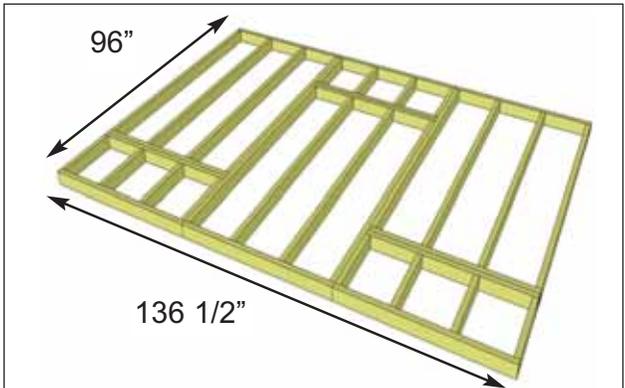
4. Attach each large and small floor joist frame together with **6 - 2 1/2" screws** per section.

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

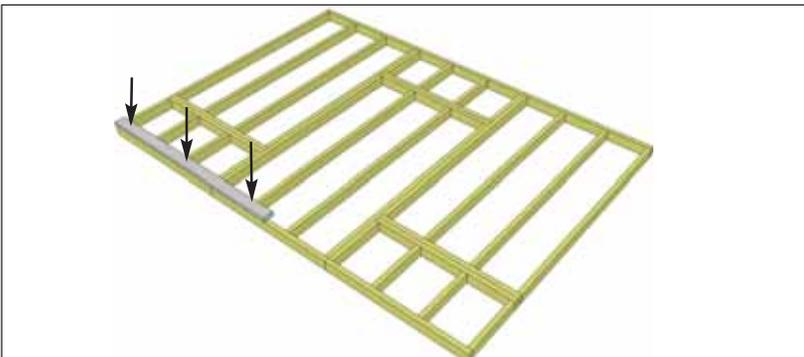


5. Complete all large and small frame attachments. Screw each completed section together with **8 - 2 1/2" screws**.

Hardware
S1 - 2 1/2" Screws
x 16 total

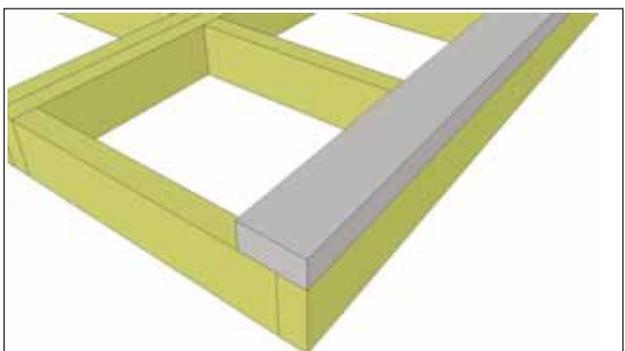


6. When completed, your floor footprint should be 136 1/2" wide x 96" deep.

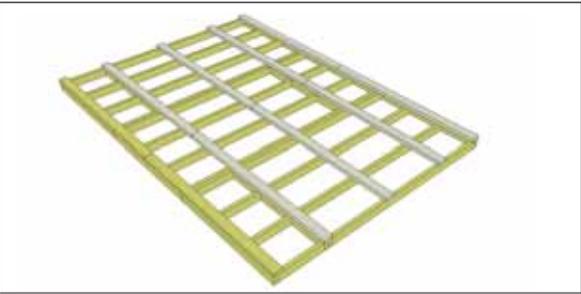


7. Attach **1F - Floor Runners** to completed floor frame. There are 2 floor runners per 136 1/2" side and 5 completed runners in total. Use **3 - 2 1/2" screws** per runner section.

Parts (Steps 7 - 9)
1F - Floor Runners
(1 1/2" x 3 1/2" x 68 3/16")
x 10
Hardware (Steps 7 - 9)
S1 - 2 1/2" Screws
x 30 total



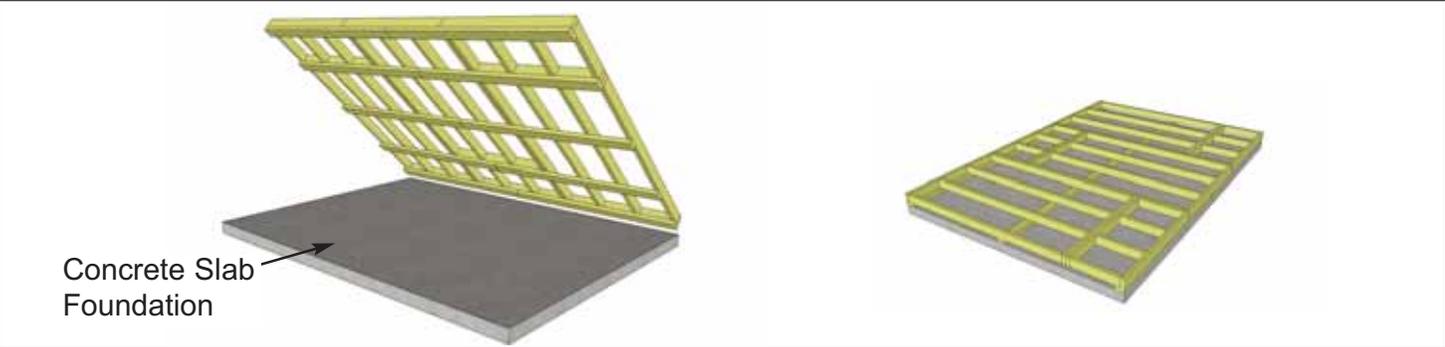
8. Make sure Runners are flush with outside and front and rear floor framing but not overhanging.



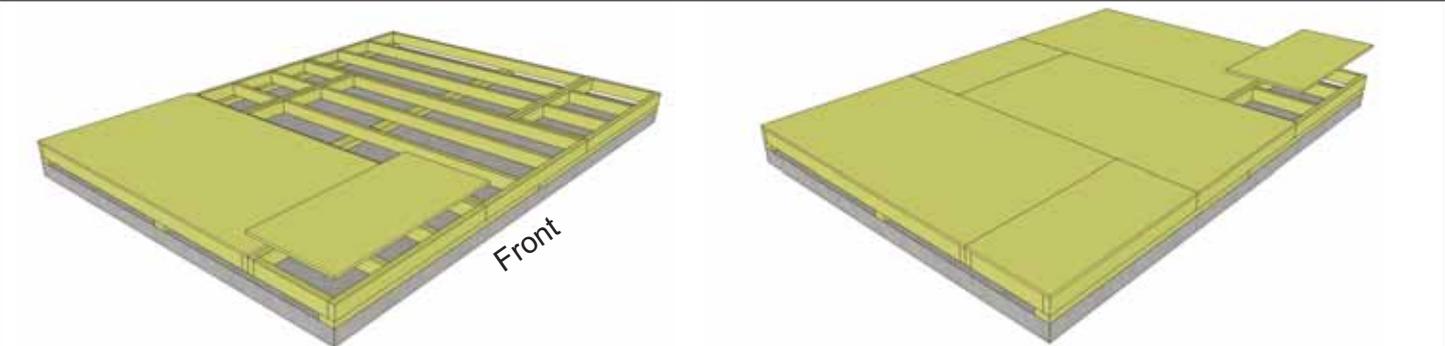
9. Complete remaining Floor Runners.

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.



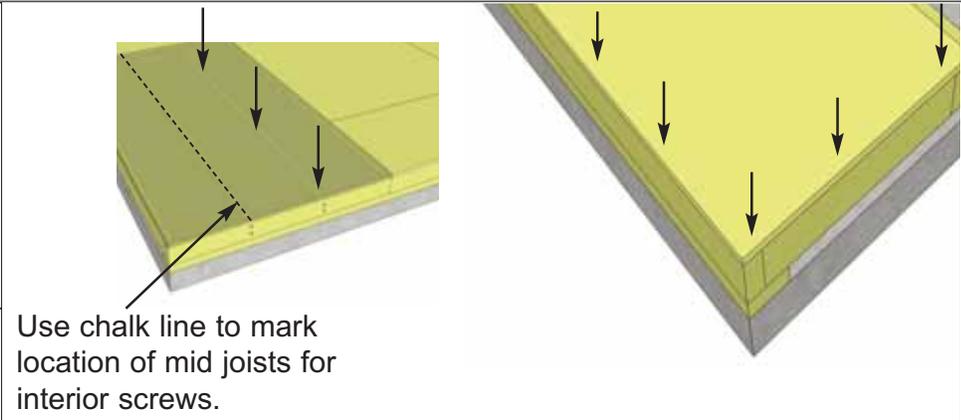
10. With Floor Runners attached, carefully flip the floor over and place on your foundation.
Caution: you will need 2 people to assist you. Be careful when laying floor down not to bend or twist floor. When in place, level floor completely.



11. Position parts **1D & 1E - Plywood Floor** on top of completed floor joists. Plywood will sit flush with outside of floor joist frame.

- Parts
- 1D - Plywood Floor - Large**
(5/8" x 45 3/8" x 74 7/8") x 3
 - 1E - Plywood Floor - Small**
(5/8" x 45 3/8" x 20 7/8") x 3

12. With Plywood positioned correctly on floor framing, attach with **1 1/4" Screws**. Use screws every 16" around perimeter of each large floor section and 3 screws through each mid joists. Adjust for smaller floor sections accordingly.

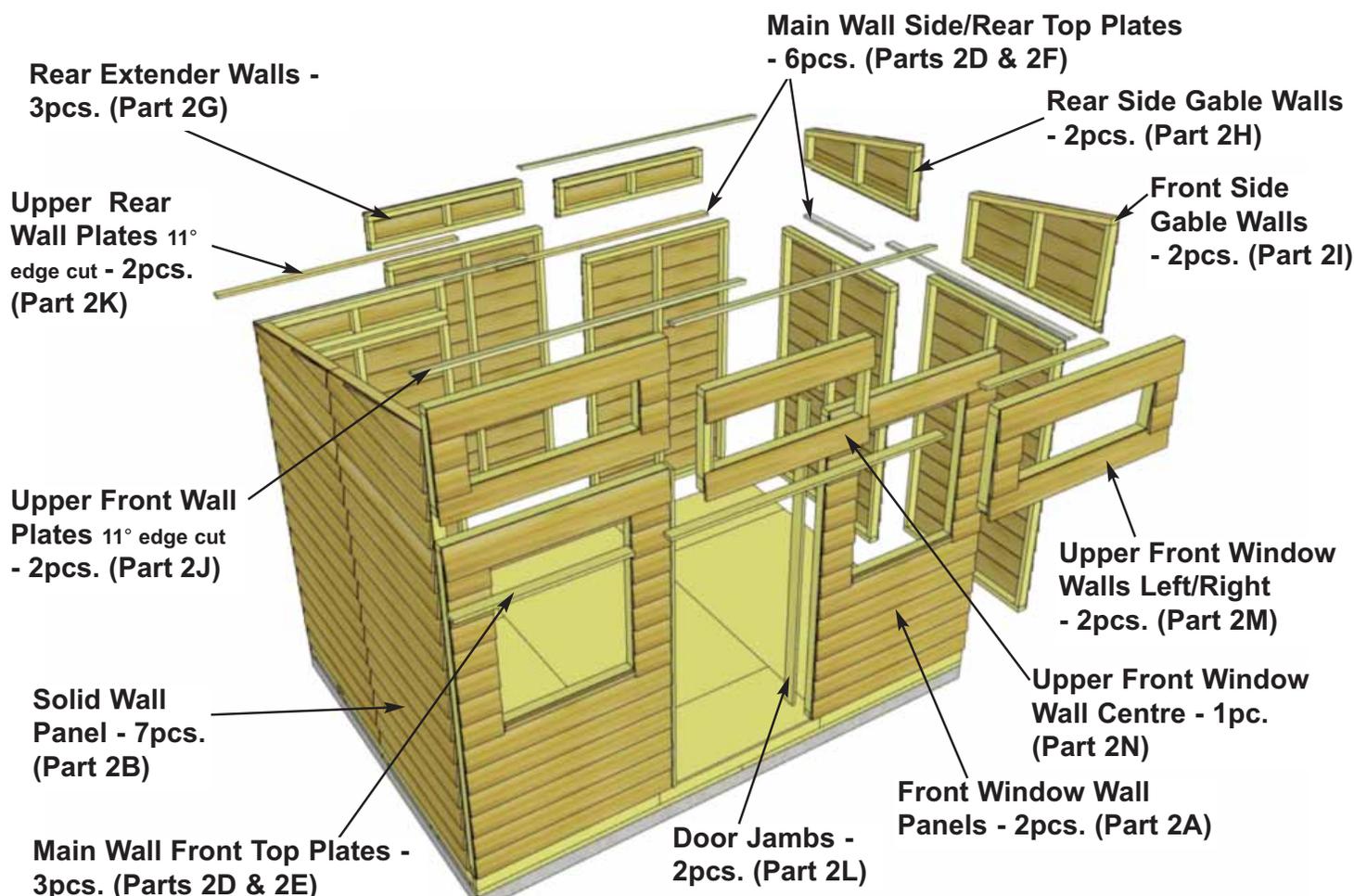


- Hardware
- S2 - 1 1/4" Screws**
x 100 total (approx.)

Use chalk line to mark location of mid joists for interior screws.

2. Wall Section

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

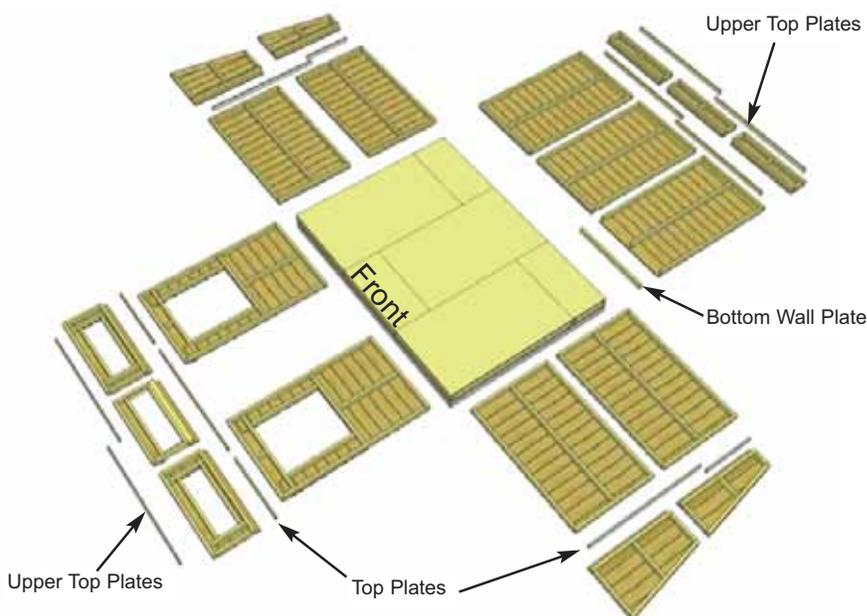


13. Identify all wall section components and become familiar with their location.

There will be **2 Window Wall Panels**, **7 Solid Wall Panels**, **4 trapezoid shaped Side Gable Walls**, **3 Rear Extender Walls** and **Top Plates (upper and lower)**.

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 position to confirm.

(Walls may have a QC colored dot on them, these won't be visible on the shed, please ignore them).

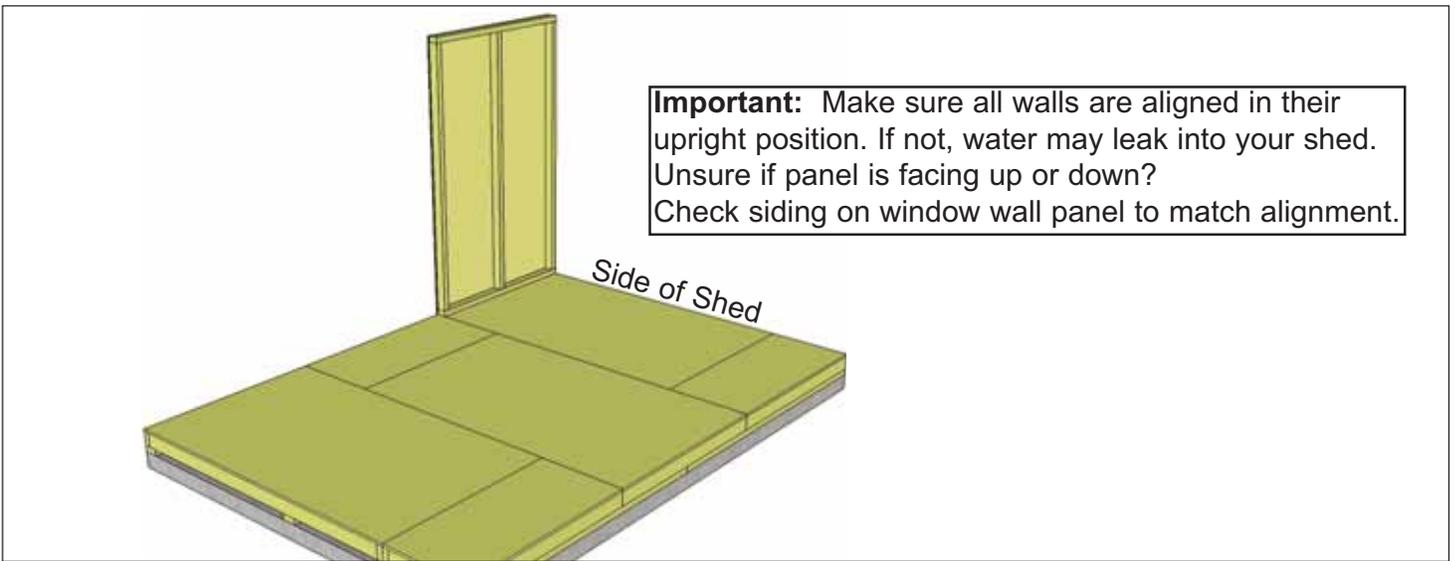




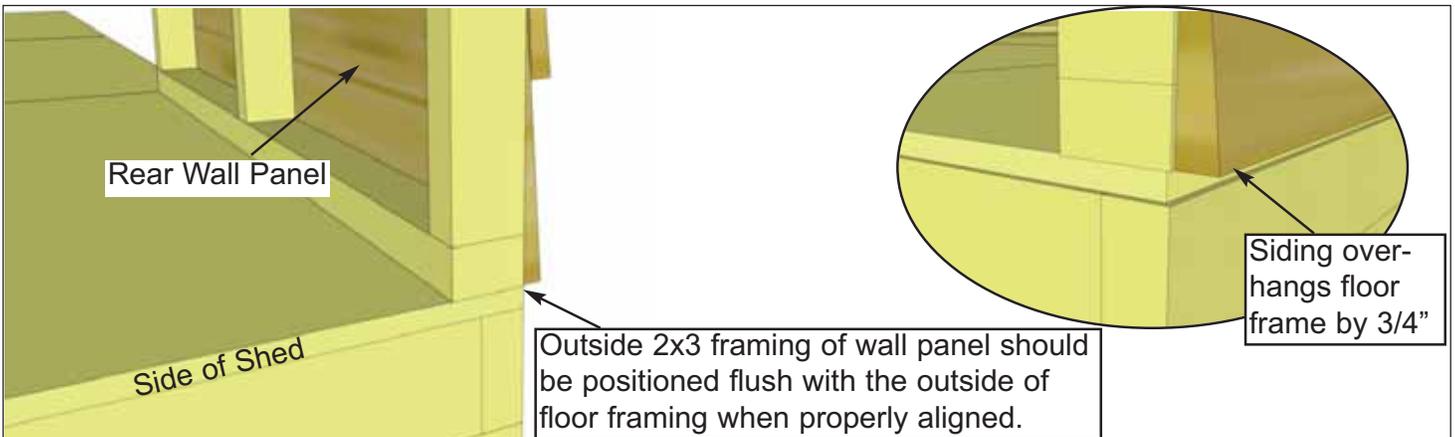
14. Carefully lay **2B - Solid Wall Panels** face down. Position and attach **2C - Bottom Wall Plates** to bottom of wall studs of each wall panel with **3 - 2 1/2" Screws**. Position so plates are flush with framing.

Parts
2B - Solid Wall Panels (45 1/2" wide x 75" high) x 7
2C - Bottom Wall Plates (1 5/8" x 2 1/2" x 45 3/8") x 7

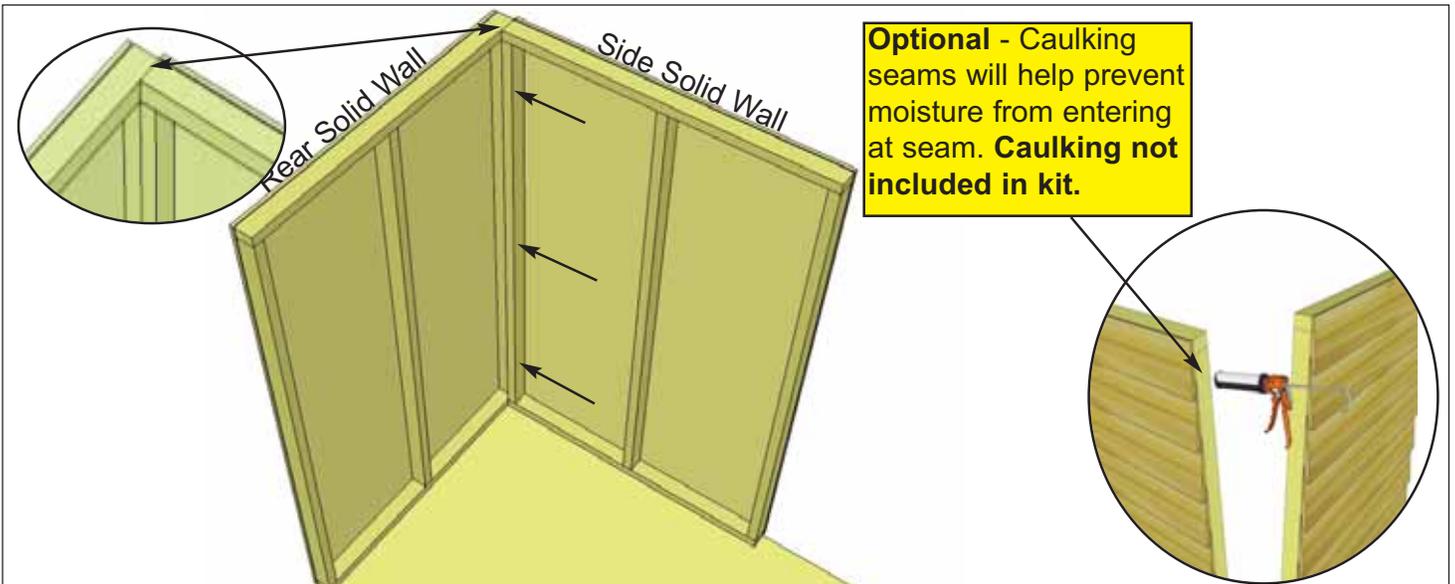
Hardware
S1 - 2 1/2" Screws x 21 total



15. Starting at Rear Corner, position a Solid Wall Panel on top of plywood floor. The Wall Panel bottom framing will sit flush with plywood. Wall siding will overhang the floor.

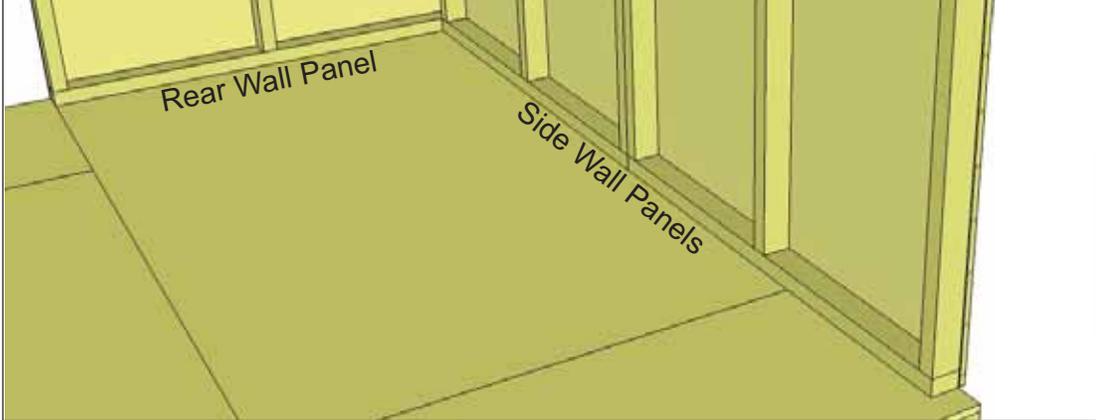
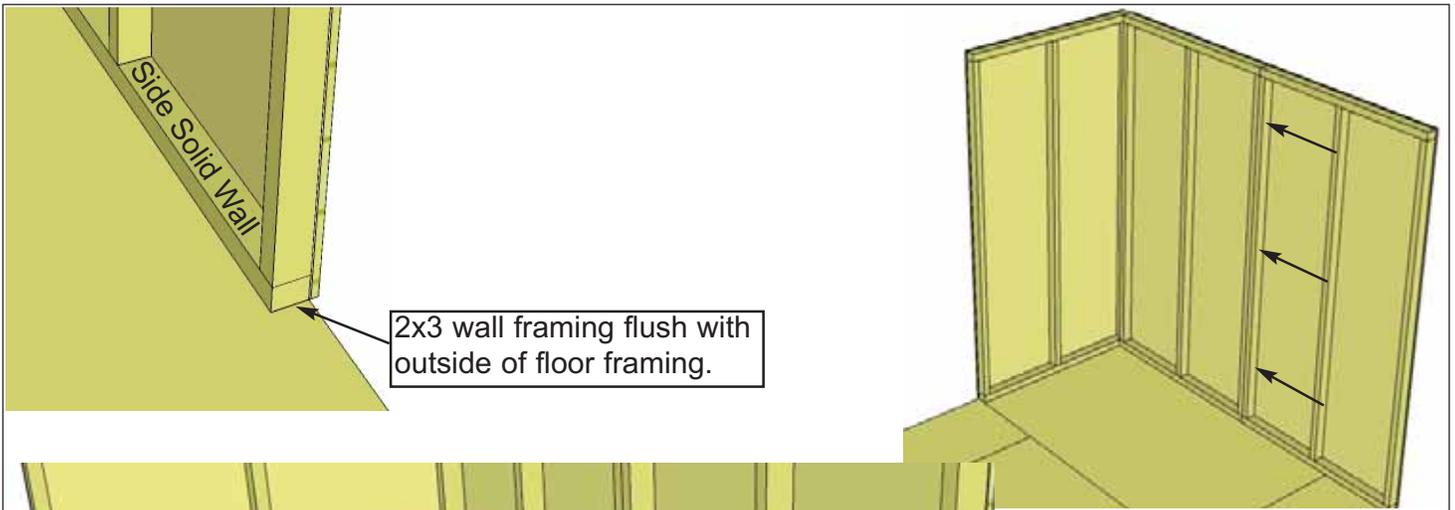


16. The rear wall panels will sit even with the floor frame and the sidewall panels will be sandwiched between the front and rear wall panels. The floor plywood may be slightly recessed.
Note: Siding will overhang the floor frame by approximately 3/4".



17. Position side solid 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.

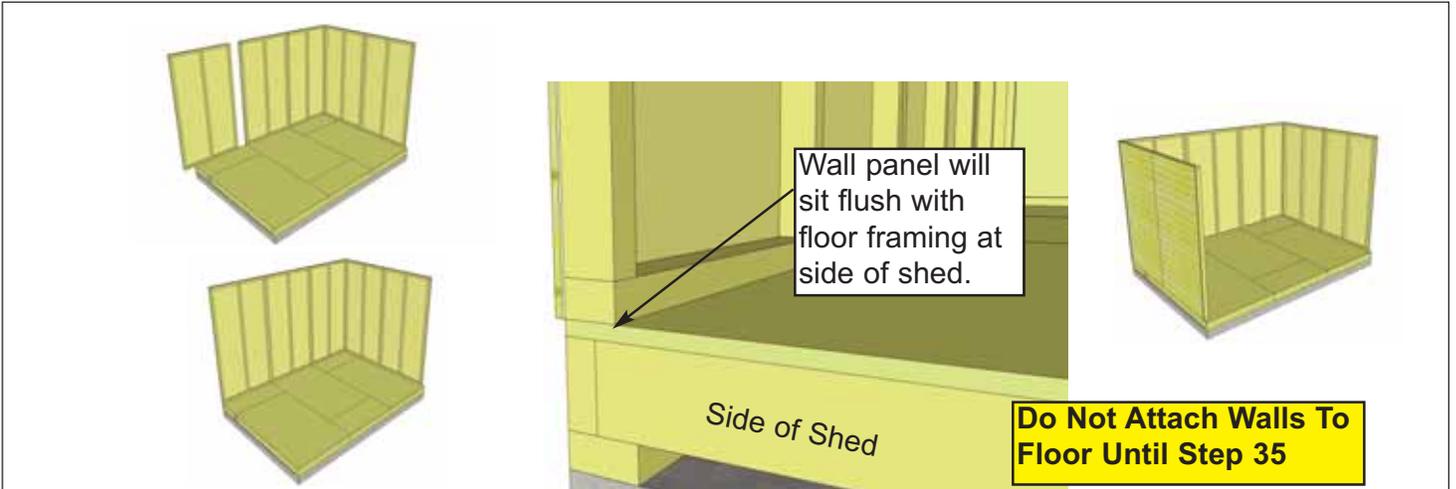
Hardware
S1 - 2 1/2" Screws
 x 3 total



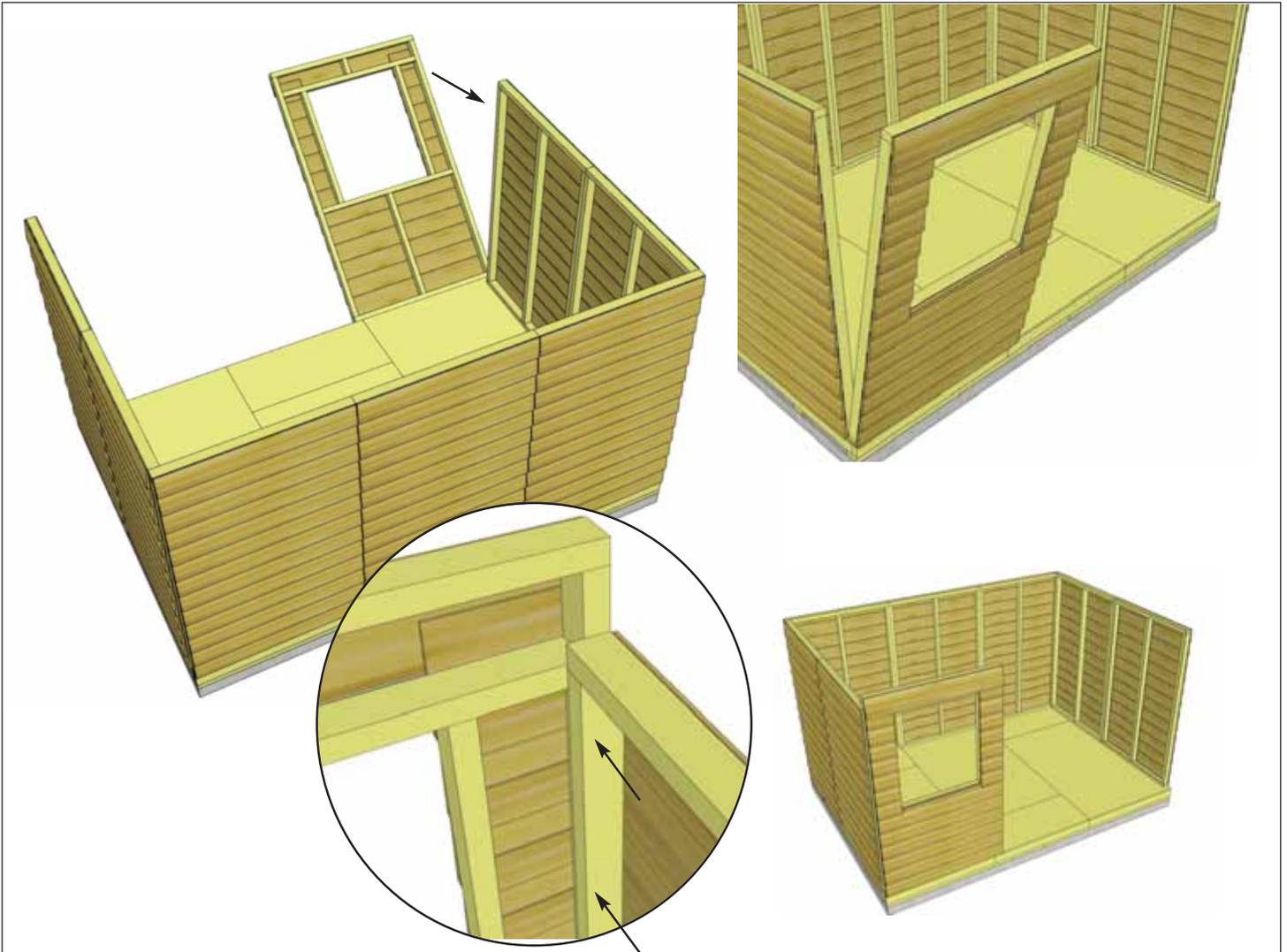
Be sure that the side wall panels fit between the front and rear wall panels (sandwiched).

18. With the corner wall attachment complete, position a second side wall panel in place so bottom 2x3 wall framing is sitting flush with outside floor joists. Wall siding should overhang floor by approximately 3/4". When positioned correctly, attach both side wall panel studs together as per **Step 17**.

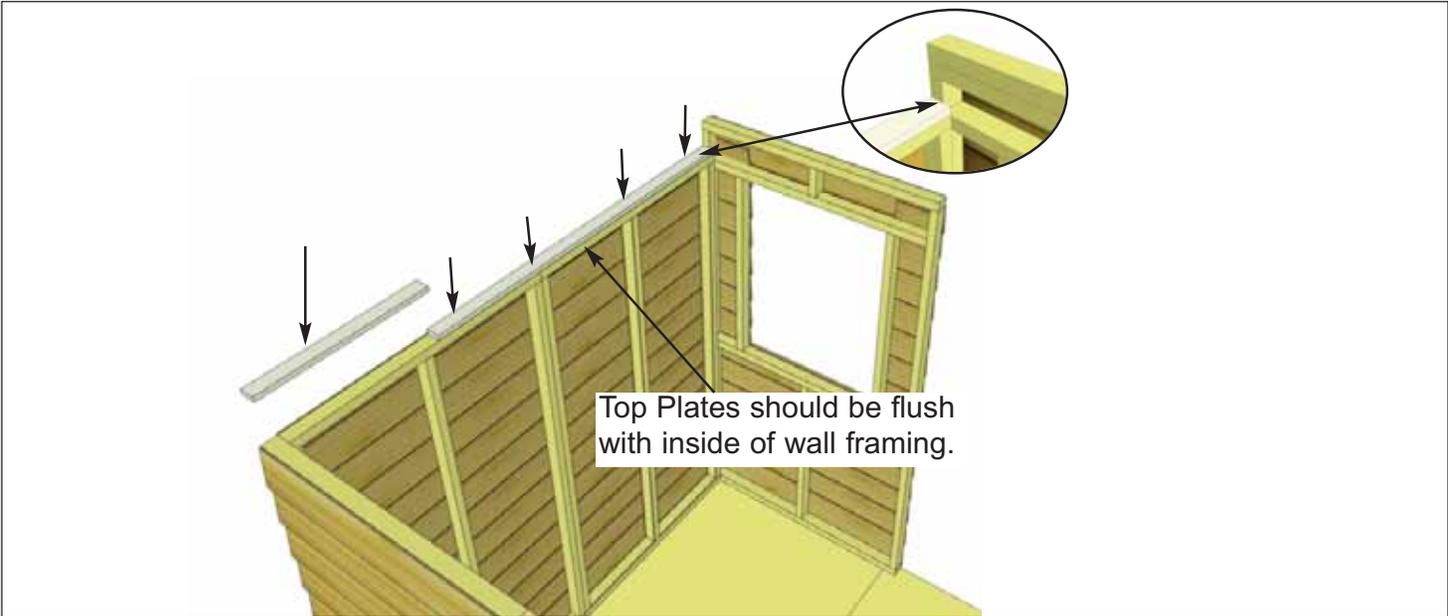
Hardware (Steps 18 - 20)
S1 - 2 1/2" Screws
 x 21 total



19. Complete all side and rear wall attachments as per **Step 17.**



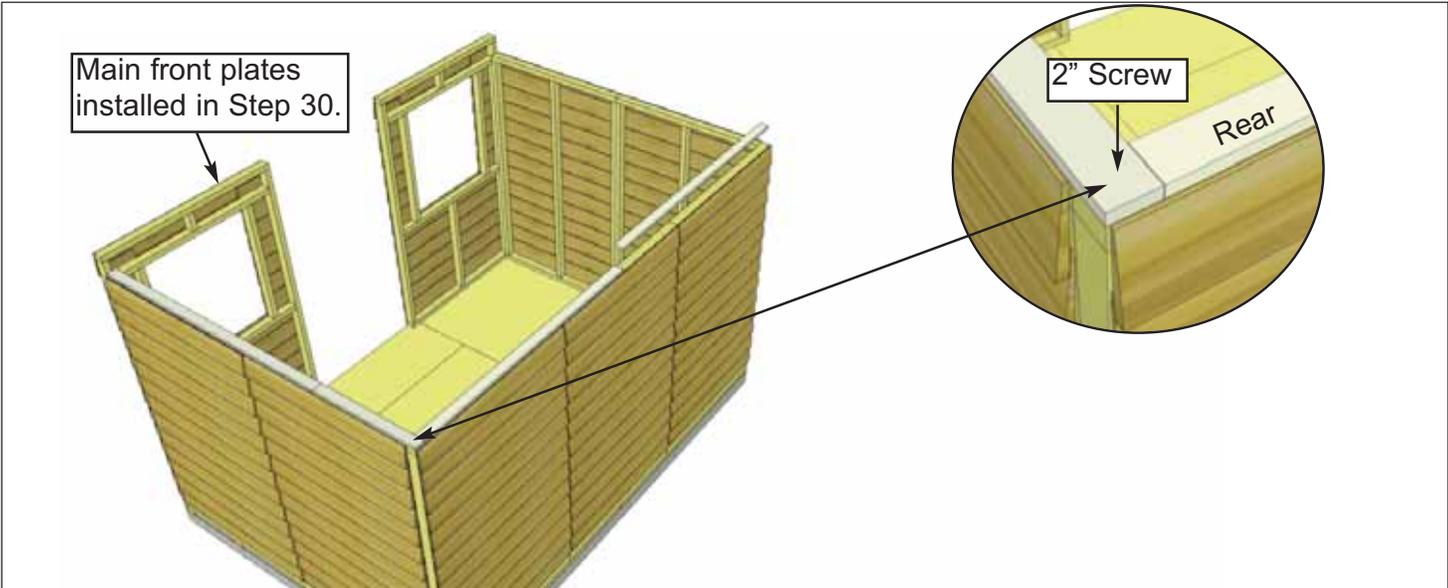
20. Place Window Wall Panel in front and attach as per **Step 17.**



Top Plates should be flush with inside of wall framing.

21. Position **2D & 2F - Main Wall Side Top Plates** on top of wall studs so they are flush on the inside with 2x3 wall stud. There are 2 plates per side - 1 long & 1 short. Attach by screwing down into top wall framing with **4 - 2" Screws** per long plate & **3 - 2" Screws** per short plate.

<u>Parts</u>	
2D - Main Wall Side Top Plates (3/4" x 2 1/2" x 65 3/4") x 2	
2F - Main Wall Side Top Plates (3/4" x 2 1/2" x 27 3/4") x 2	
<u>Hardware</u>	
(S3 - 2" Screws) x 14 total	



Main front plates installed in Step 30.

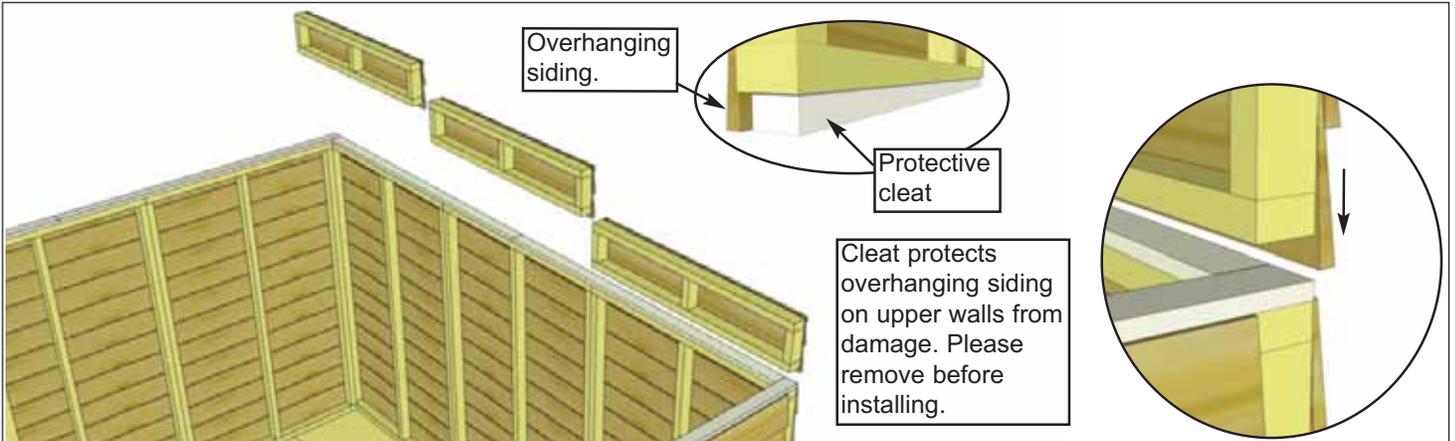
2" Screw

Rear

22. Attach both **2D - Main Wall Rear Top Plates** with **4 - 2" screws** per piece. Complete remaining side wall plates as per **Step 21**.

<u>Parts</u>	
2D - Main Wall Rear Top Plates (3/4" x 2 1/2" x 65 3/4") x 2	

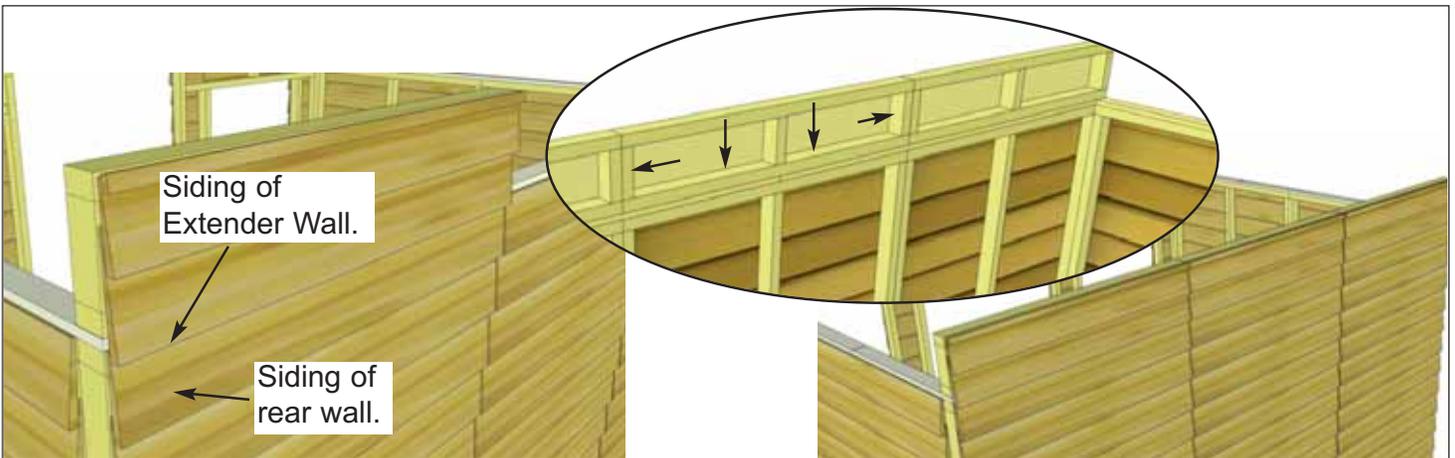
<u>Hardware</u>	
S3 - 2" Screws x 8 total	



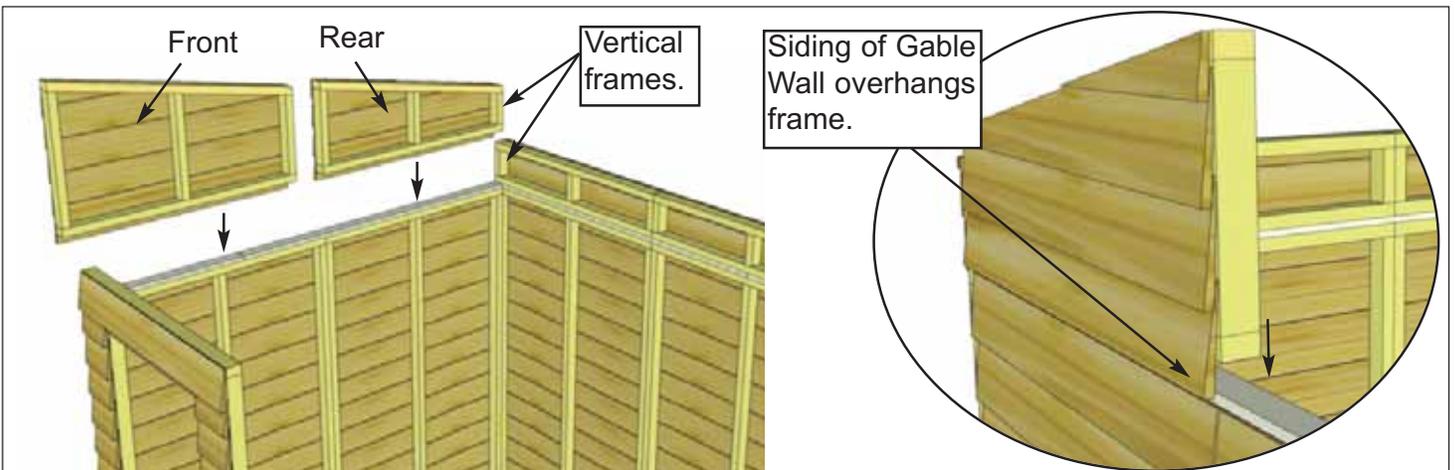
23. Place **2G - Rear Extender Walls** on rear wall plate with bottom siding overlapping that of the rear wall.

Parts (Steps 23 - 24)
2G - Rear Extender Walls
 (2G - 45 1/2" wide) x 3

Hardware (Steps 23 - 24)
S1 - 2 1/2" Screws
 x 12 total



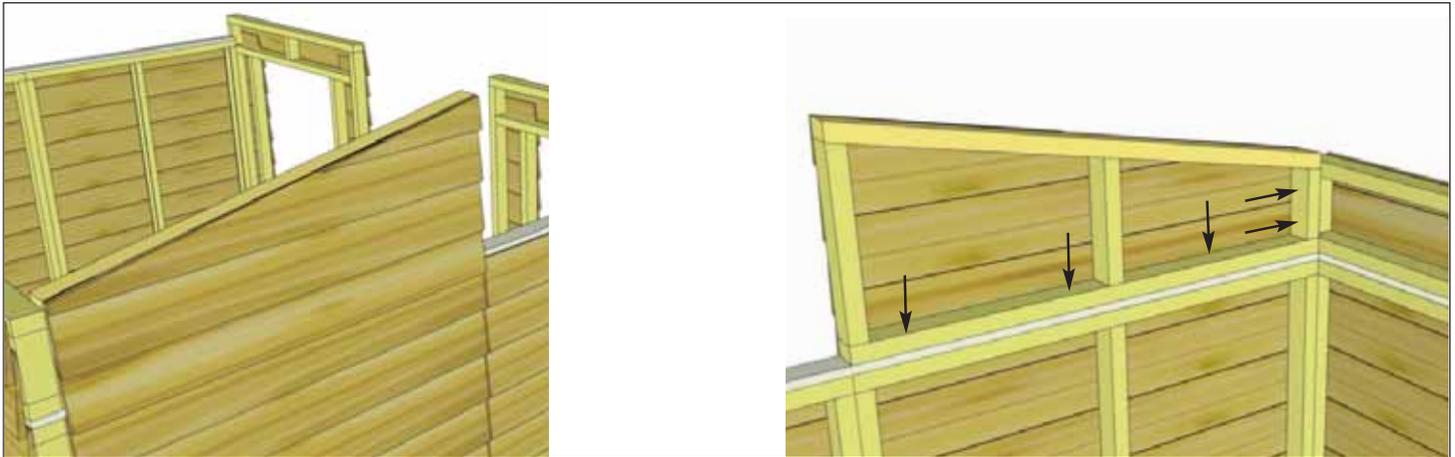
24. With 2x3 wall framing aligned, attach extender walls to rear wall top plate with **4 - 2 1/2" Screws** per wall.



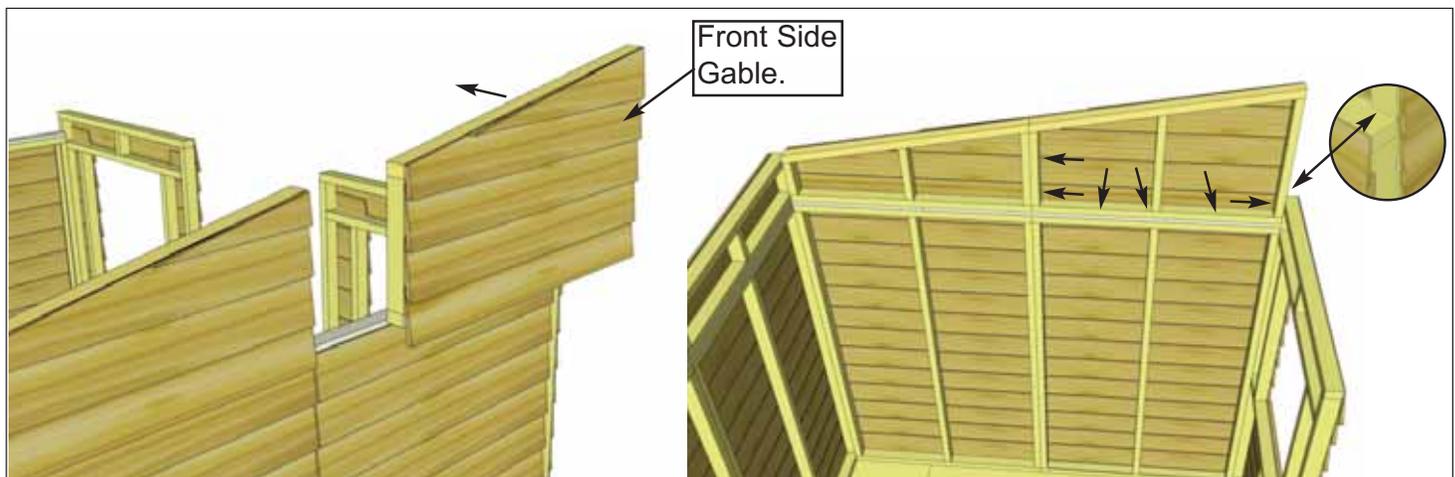
25. Position bottom frame of **2H - Rear Side Gable Wall** onto side wall top plate. Align so gable wall and side wall 2x3's are even. Rear gable vertical frame will sandwich against extender vertical frame.

Parts (Steps 25 - 27)
2H - Rear Side Gable Walls
 (2H - Right/Left Pair) x 2
2I - Front Side Gable Walls
 (2I - Right/Left Pair) x 2

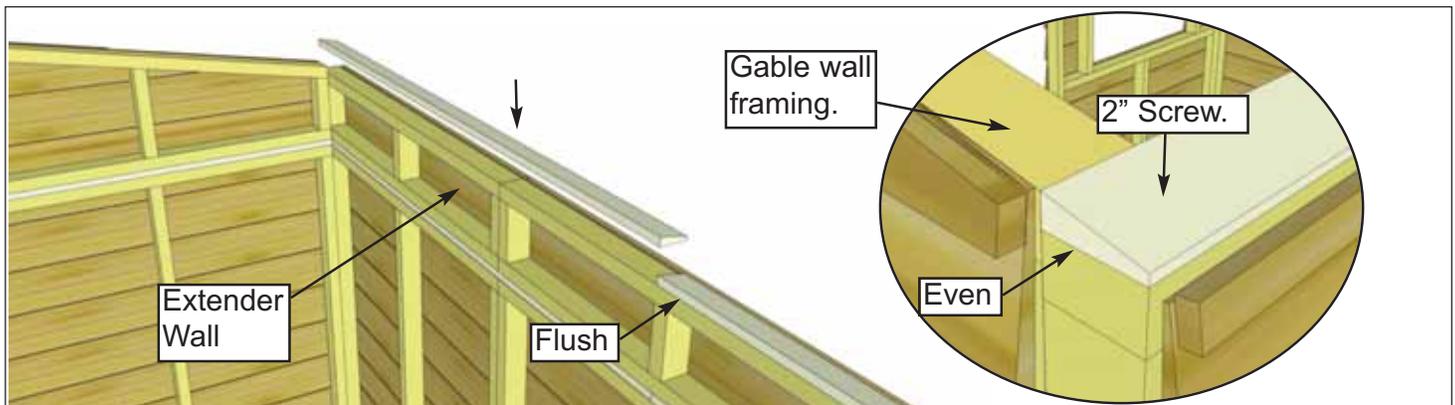
Hardware (Steps 25 - 27)
S1 - 2 1/2" Screws
 x 22 total



26. From the outside, siding of gable will overlap side wall. When aligned, secure gable with **5 - 2 1/2" Screws**. On a ladder, push extender wall and gable wall together tight and then screw.

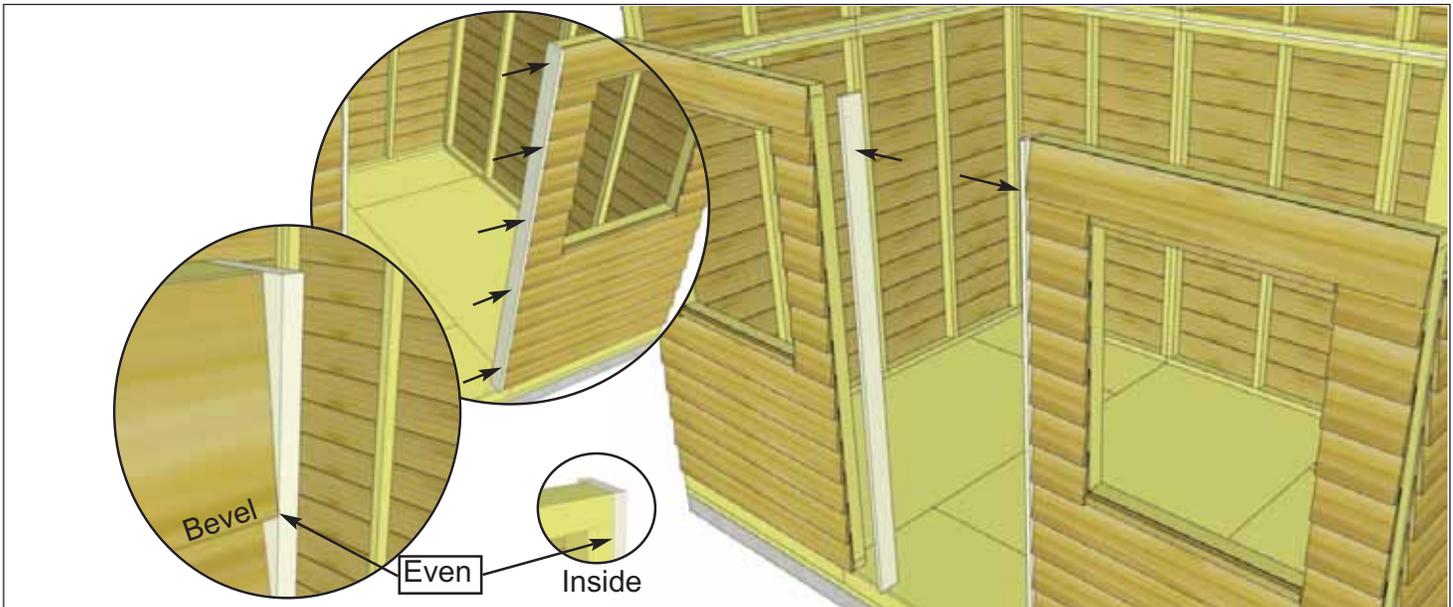


27. Position bottom frame of **2I - Front Side Gable Wall** onto side wall top plate. Align so gable wall and side wall 2x3's are even. Front gable vertical frame will sandwich against front window wall vertical frame. When correctly aligned, attach with **6 - 2 1/2" Screws**. Complete other side the same.



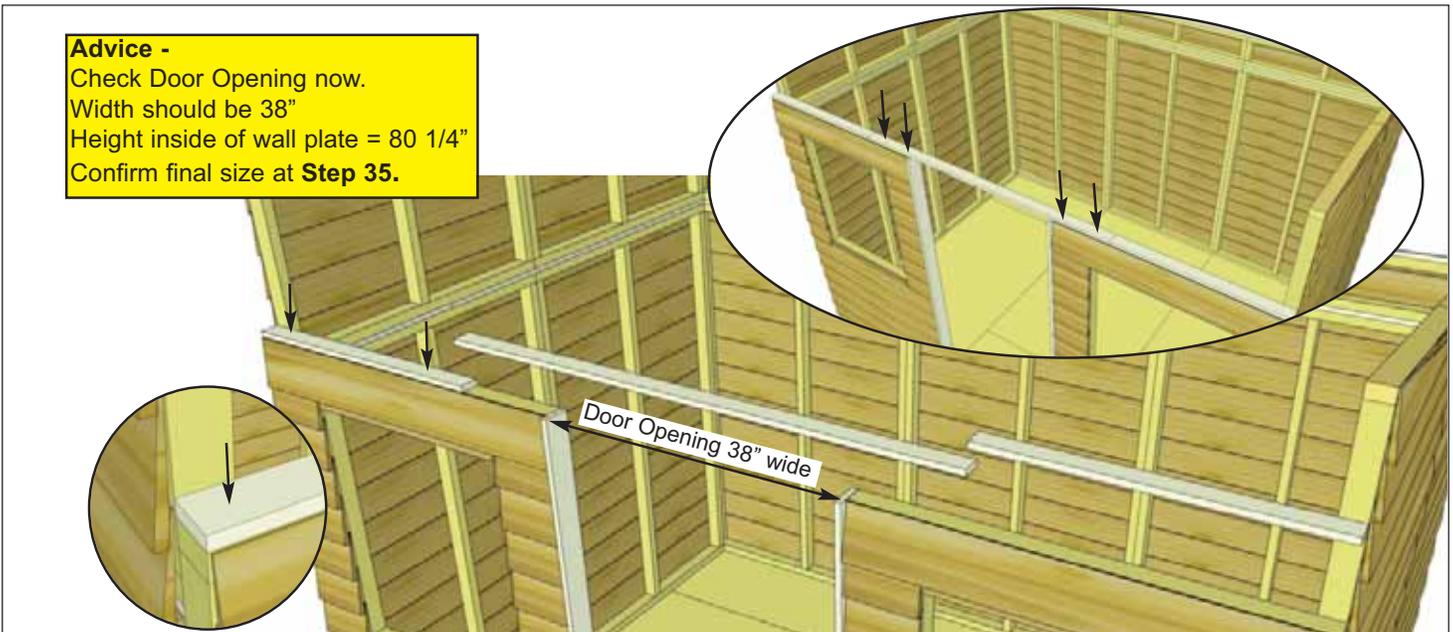
28. Position **2K - Rear Upper Wall Plates** on rear extender wall framing, flush with inside of extender framing and even with outside wall. Attach each piece with **4 - 2" Screws**.

<u>Parts</u>
2K - Rear Upper Wall Plates - 11° angle on face (3/4" x 2 1/2" x 68 1/4") x 2
<u>Hardware</u>
(S3 - 2" Screws) x 8 total



29. Position **2L - Door Jambs** against window wall vertical framing. Jamb should sit even with the thick bevel siding on the outside and even with framing on the inside. Attach with **5 - 2 1/2" Screws** / piece.

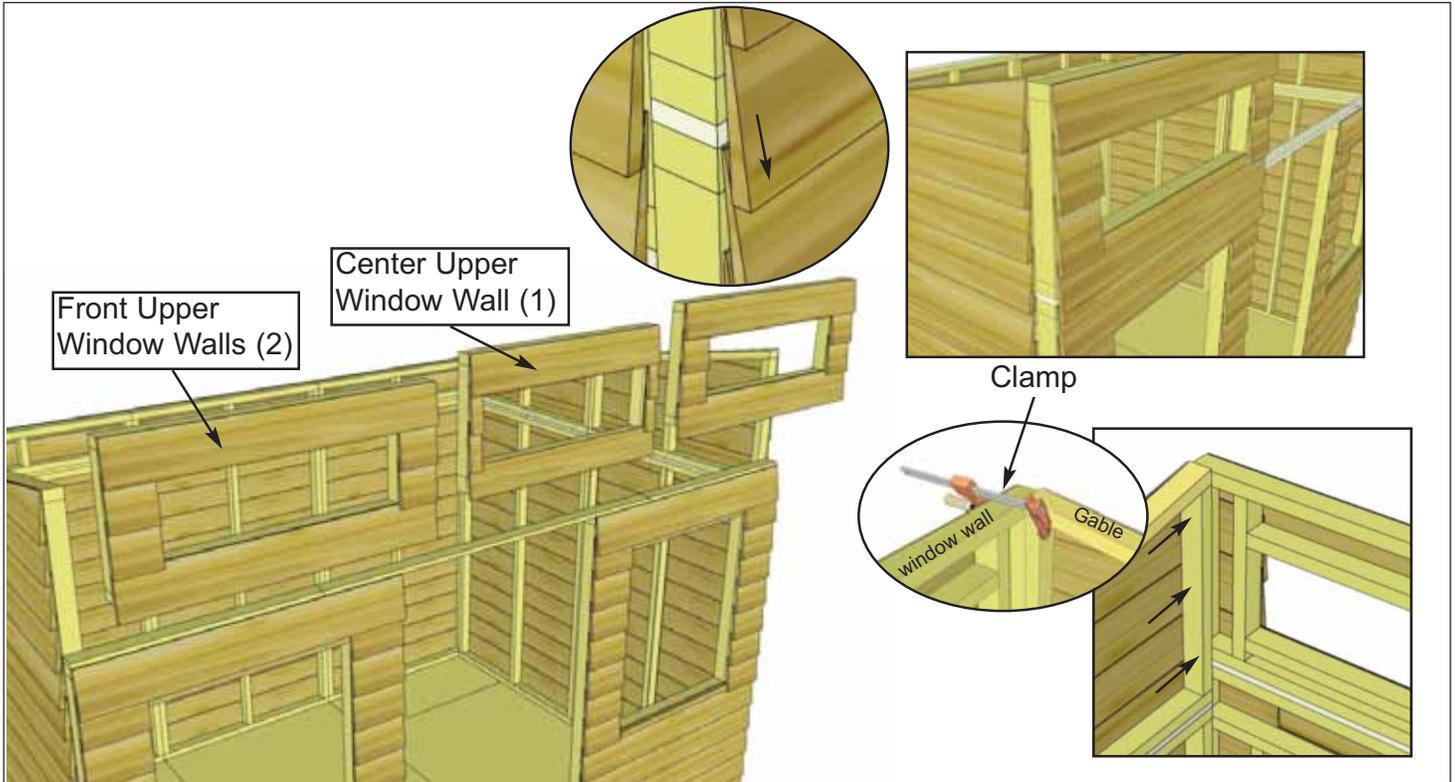
Parts 2L - Door Jambs (3/4" x 3 1/2" x 80 1/4") x 2
Hardware (S1 - 2 1/2" Screws) x 10 total



Advice -
 Check Door Opening now.
 Width should be 38"
 Height inside of wall plate = 80 1/4"
 Confirm final size at **Step 35.**

30. Position **2D & 2E - Main Wall Front Top Plates** on top of window wall framing so they are flush on the inside with 2x3 wall stud. Align plates on wall as per **Step 21**. There are 2 outside smaller plates (**2E**) and 1 longer center plate (**2D**). Attach by screwing down into top of wall framing with **2 - 2" Screws** per shorter plate and **4 - 2" Screws** on the center plate.

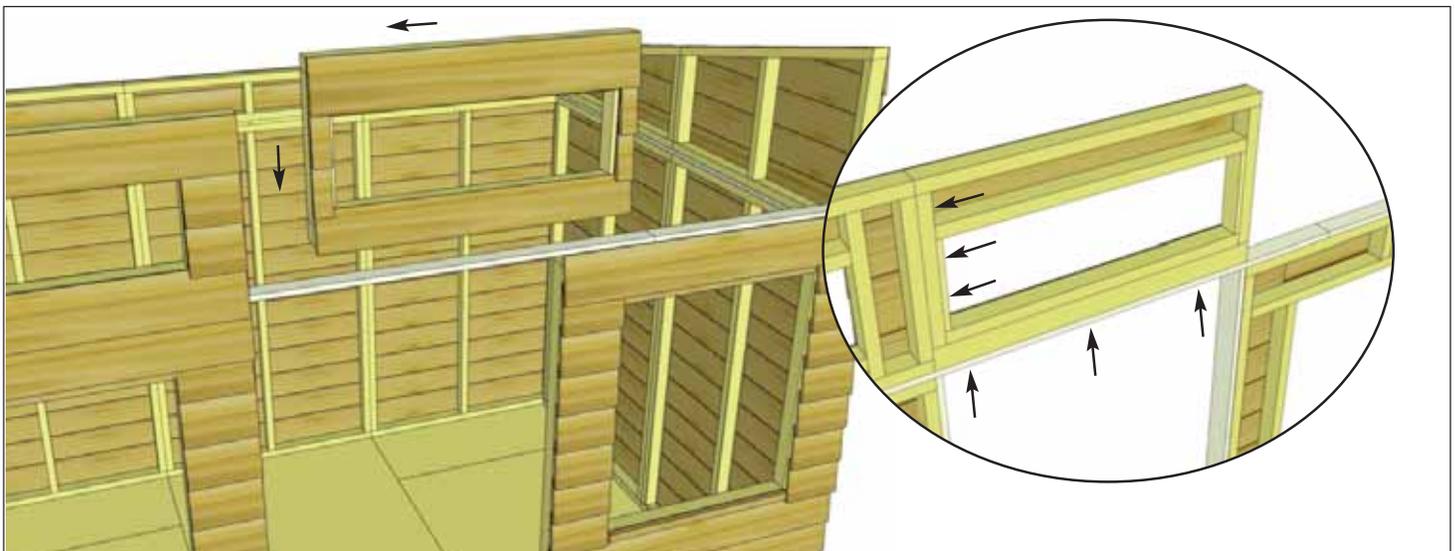
Parts 2D - Main Wall Front Top Plate (3/4" x 2 1/2" x 65 3/4") x 1 2E - Main Wall Front Top Plates (3/4" x 2 1/2" x 35 5/8") x 2
Hardware (S3 - 2" Screws) x 8 total



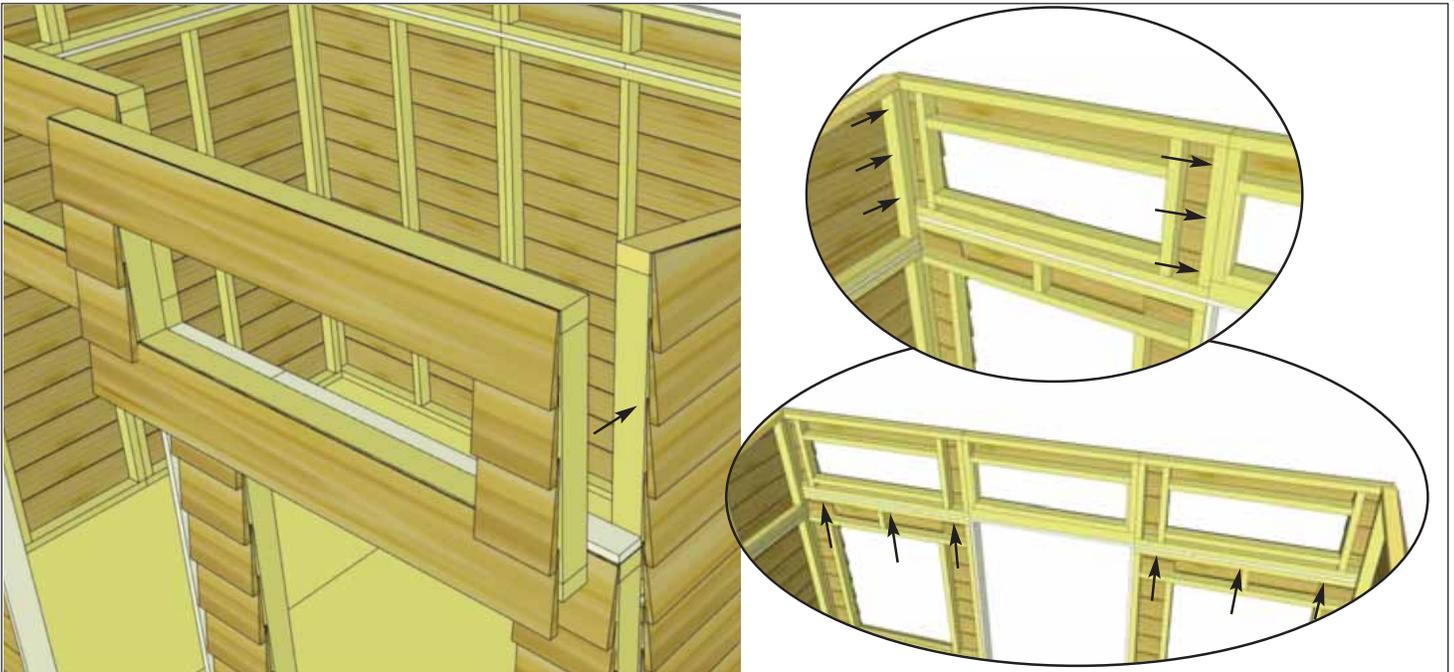
31. Starting with a **2M - Upper Front Window Wall - Side**, place on front main wall top plate in corner. Upper wall siding will overhang lower window wall siding. Line up vertical gable framing with upper window framing and clamp together. Screw frames together with **3 - 2 1/2" screws**.

- Parts (Steps 31 - 33)
- 2M - Upper Front Window Walls - Sides**
(2M - 48 1/2" wide) x 2
 - 2N - Upper Front Window Wall - Center**
(2N - 39 1/2" wide) x 1

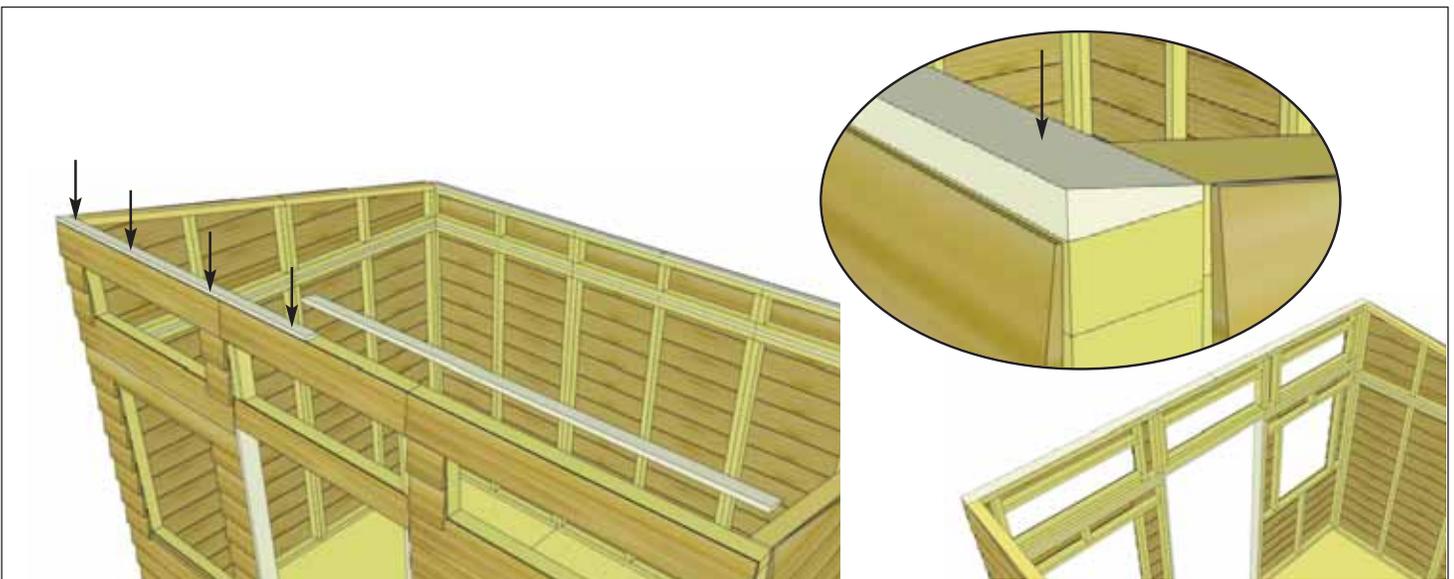
Hardware (Steps 31 - 33)
(**S1 - 2 1/2" Screws**) x 21 total



32. Position **2N - Upper Front Window Wall - Center** on front main wall top plate tight against the previously installed upper window frame. Line up vertical gable framings and screw frames together with **3 - 2 1/2" Screws**. Use clamp to keep frames together tight. From underneath, attach **3 - 2 1/2" Screws** from the plate into the bottom of the window frame.

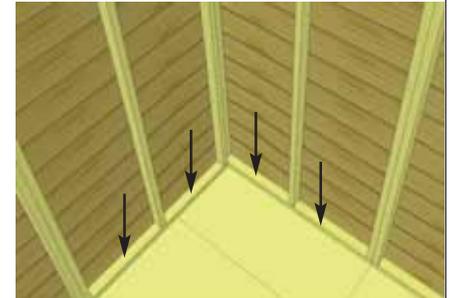
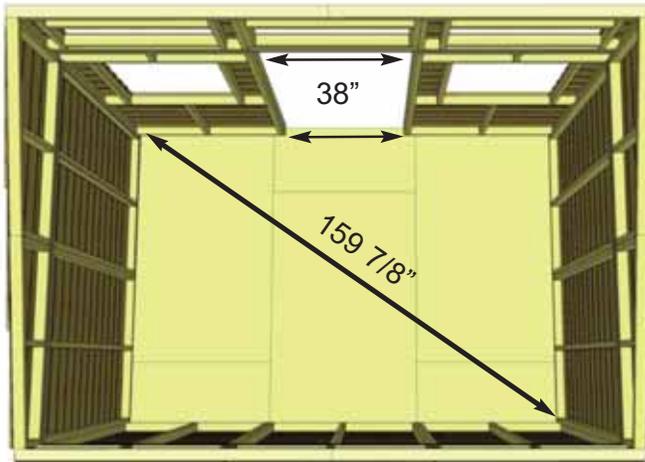


33. Position and attach the remaining **2M - Upper Front Window Wall - Side** on front main wall top plate in corner as per **Step 31**. Clamp frames together to keep frames tight. To complete, screw both outside upper window panels from underneath window wall framing with **3 - 2 1/2" Screws** per panel.



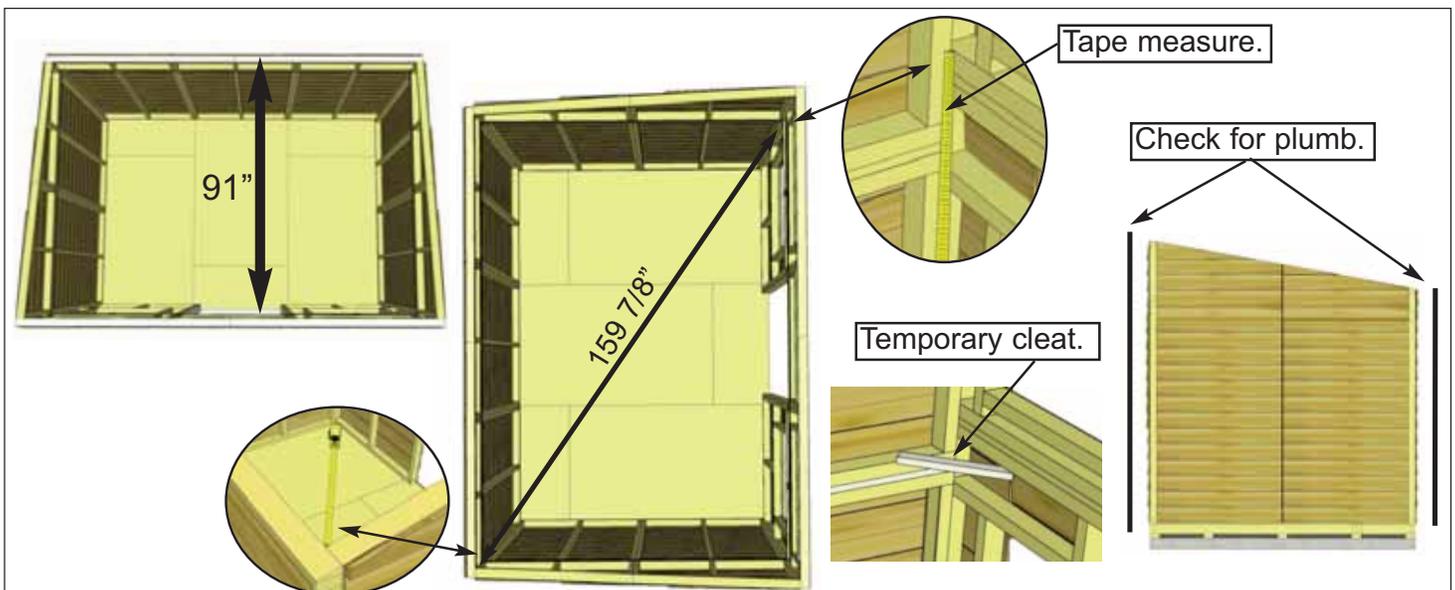
34. Position **2J - Upper Wall Plates** on upper front window wall framing as per **Step 28**. Attach each piece with **4 - 2" Screws**.

<u>Parts</u>
2J - Upper Wall Plates - 11° angle on face (3/4" x 2 1/2" x 68 1/4") x 2
<u>Hardware</u>
(S3 - 2" Screws) x 8 total



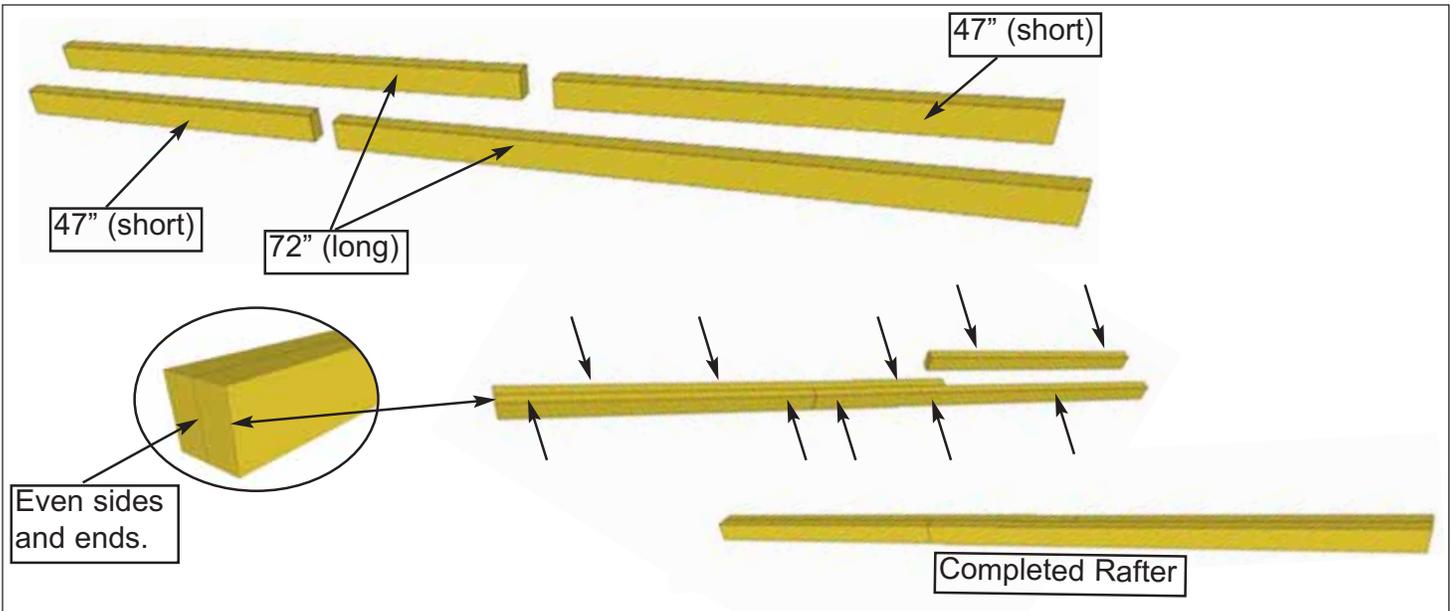
35. When all walls are attached together, check alignment with the floor. Bottom wall framing should sit flush with outside of floor framing. **Adjust for best fit.** Confirm 38" wide door opening at top and bottom. When positioned correctly, fasten bottom wall plates to floor using **4 - 2 1/2" Screws** per wall panel. Check diagonal measurement in each floor corner to confirm it is square.

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



36. Prior to installing rafters, take time to confirm your walls are level, square and plumb. Measure diagonal at the height of back wall to opposing corner for square. If not within 1/2", your walls are not square. Adjusting now will make it easier to install the roof section. Make sure front to rear inside frame width is 91". Also check walls for plumb. Tip - once satisfied, cleat each corner temporarily with some scrap wood (not included) to keep walls from moving.

3. Rafter and Roof Section



37. Rafters need to be assembled before laying of roof. There will be 7 completed rafters when pieces are attached together. There are 4 pieces of "2x4" for each rafter. **2 pcs of 47" Length & 2 pcs of 72" Length.** When attached together, total length of rafter will be 119". On solid ground, locate 2 of **3A - Rafter Sections -Short** and 2 of **3B - Rafter Sections -Long** and position as illustrated above. Starting on one side, line ends and sides up even. Use clamp to hold in position. Attach together with **10 - 2 1/2" Screws.**

- Parts (Steps 37 - 38)
3A - Rafter Sections -Short
 (1 1/2" x 3 1/2" x 47") x 14
3B - Rafter Sections -Long
 (1 1/2" x 3 1/2" x 72") x 14
Hardware (Steps 37 - 38)
S1 - 2 1/2" Screws
 x 70 total

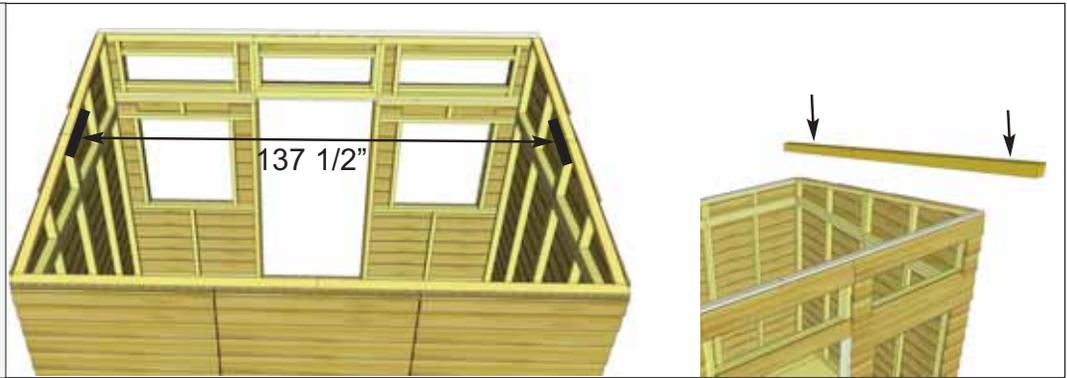


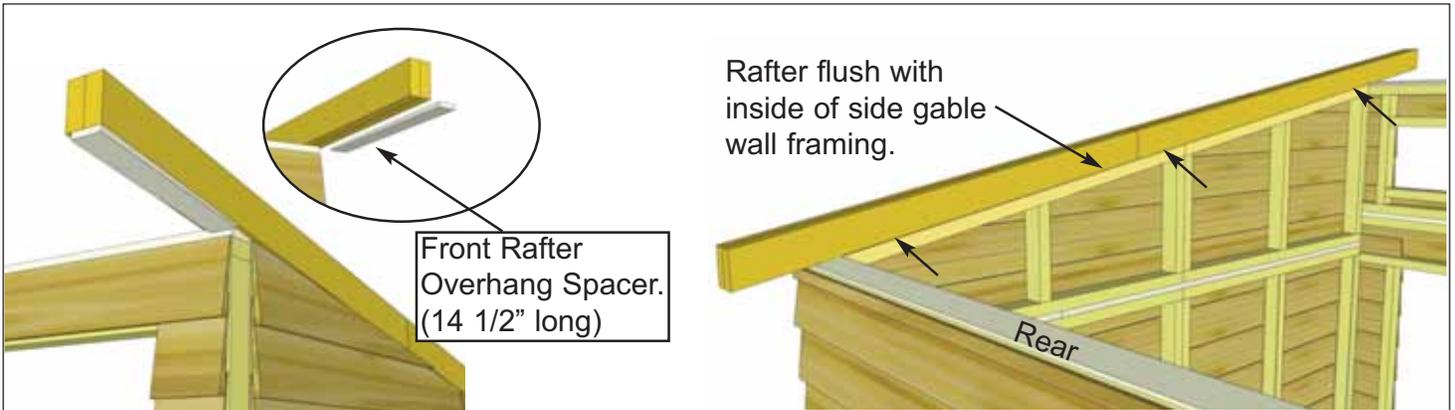
38. Complete attachments of all 7 Rafters now.

Hint - Occasionally wood can twist, use clamps to straighten as best you can before screwing.

Important
 You will need two large ladders (7 ft or 8ft high) during most of the remaining steps of this manual.

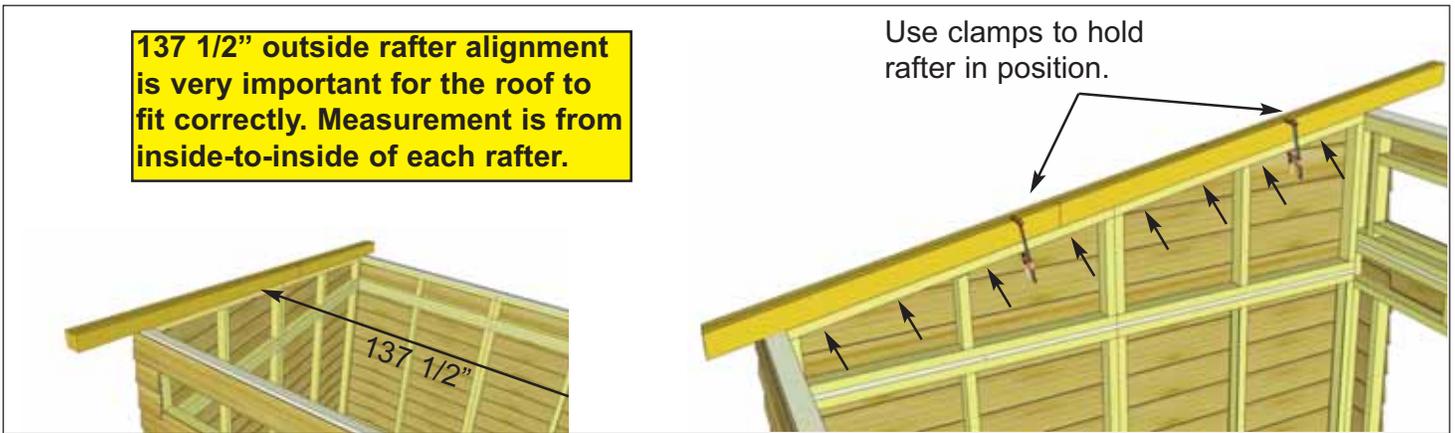
39. Before attaching rafters measure between gable wall framing. Make sure distance between inside framings is 137 1/2". Be sure to evenly space rafters on framing before attaching in **Step 40.**





40. Position Rafter on gable wall framing. Locate **3F - Rafter Overhang Spacer** and place underneath front of rafter flush against upper wall plate to determine front rafter overhang position. Inside of rafter should sit flush with inside of gable wall framing. Clamp in position but don't attach yet. Position opposite outside rafter as described and clamp in place as well.

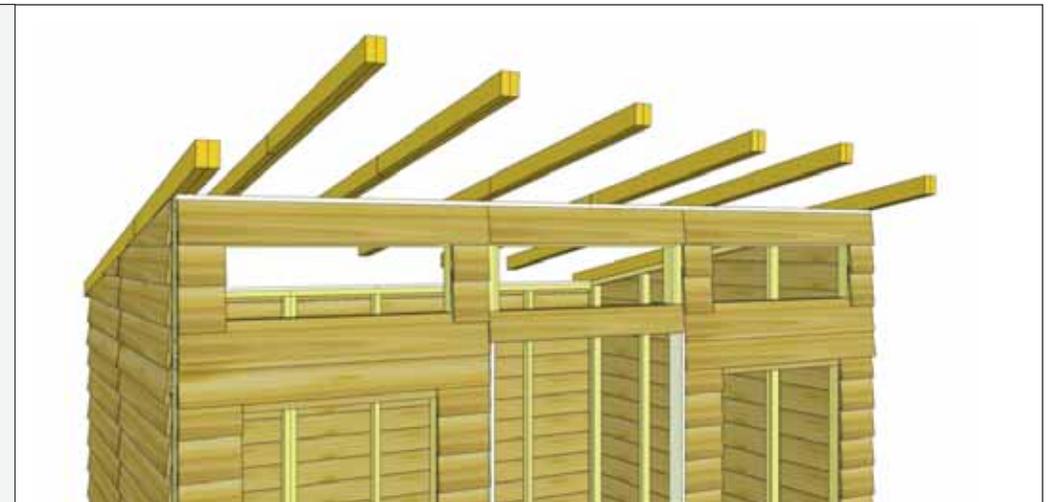
Parts
3F - Rafter Overhang Spacer
 (3F - 14 1/2" length) x 2

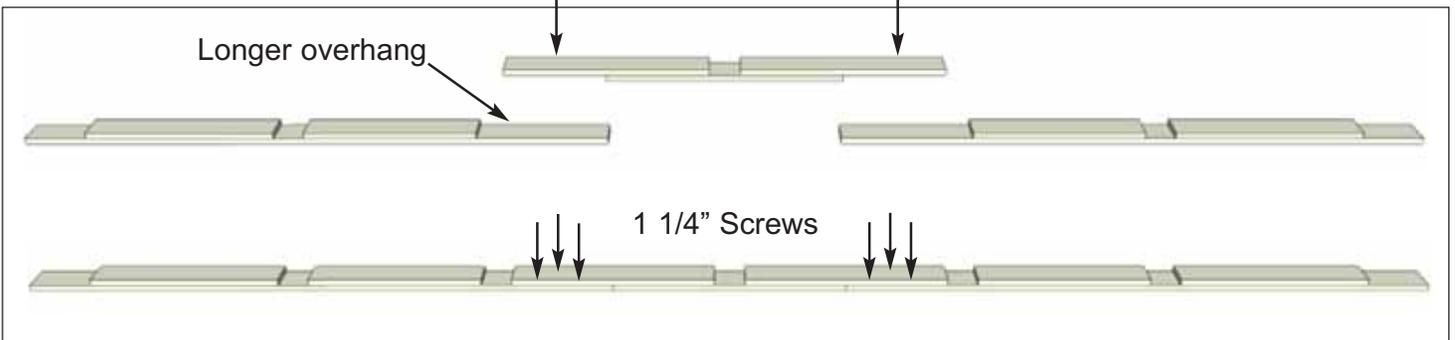


41. Before attaching, measure rafter spacing to confirm 137 1/2" and make adjustments as necessary. With Rafter correctly positioned, attach to side gable wall framing with **8 - 2" Screws**. Screw up from below the framing into rafter. Position other outside rafter as above. Inside to inside measurement of rafters should be 137 1/2".

Hardware
S3 - 2" Screws
 x 16 total

42. Lift and place remaining 5 rafters on upper wall plates. Space equally apart for now.





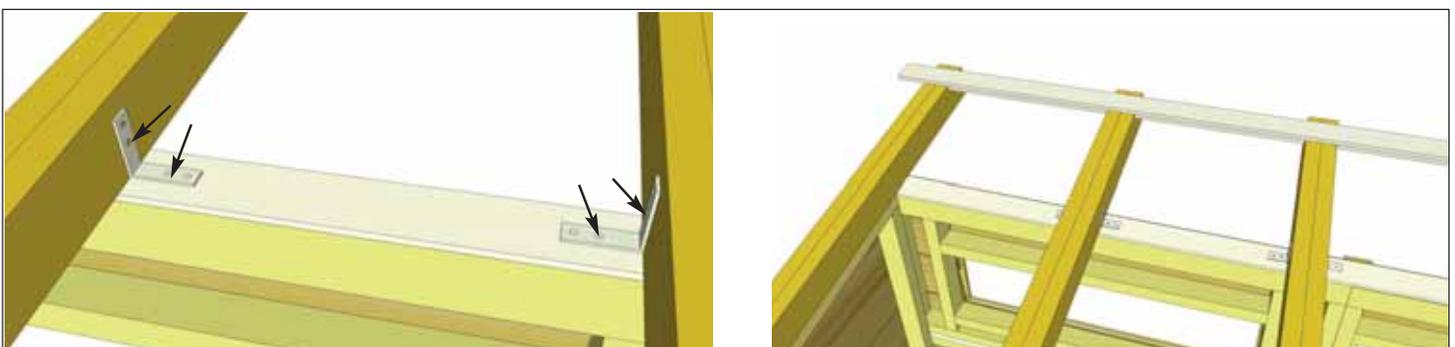
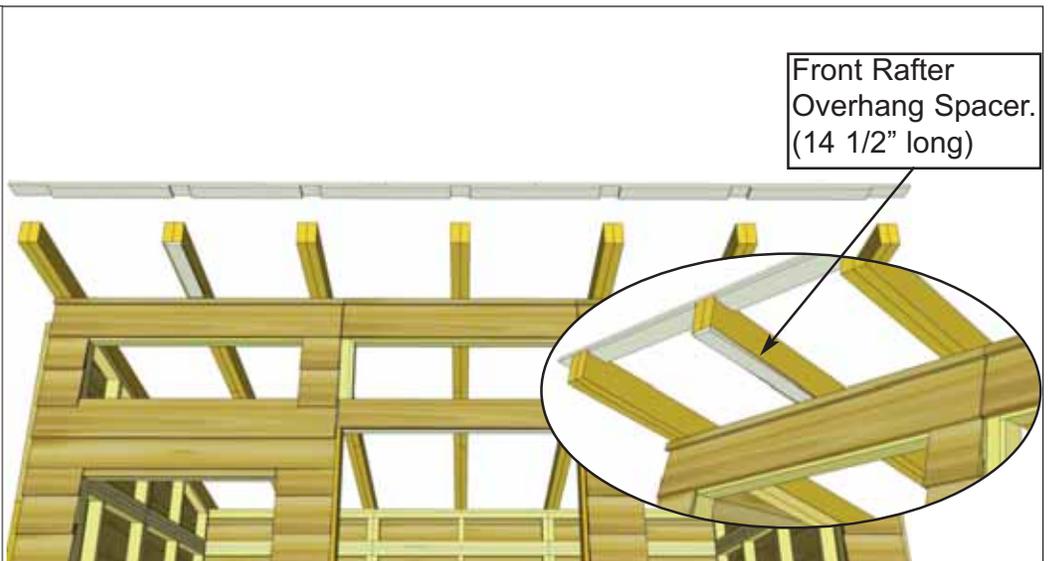
43. To assist in rafter alignment, you will need to assemble the Rafter Spacer Jig (3 pcs made with plywood). Align the center piece with the longer overhang of the side pieces as shown above. Attach with **3 - 1 1/4" Screws** in a triangular formation per side. After using Spacer Jig to align the rafters in **Steps 44 & 46**, it will be permanently fastened to the center of the roof in **Step 48**.

- Parts
- 3D - Plywood Rafter Spacer Jig - Sides**
(2 1/2" x 68 3/4") x 2
 - 3E - Plywood Rafter Spacer Jig - Center**
(2 1/2" x 48") x 1

- Hardware
- S2 - 1 1/4" Screws**
x 6 total

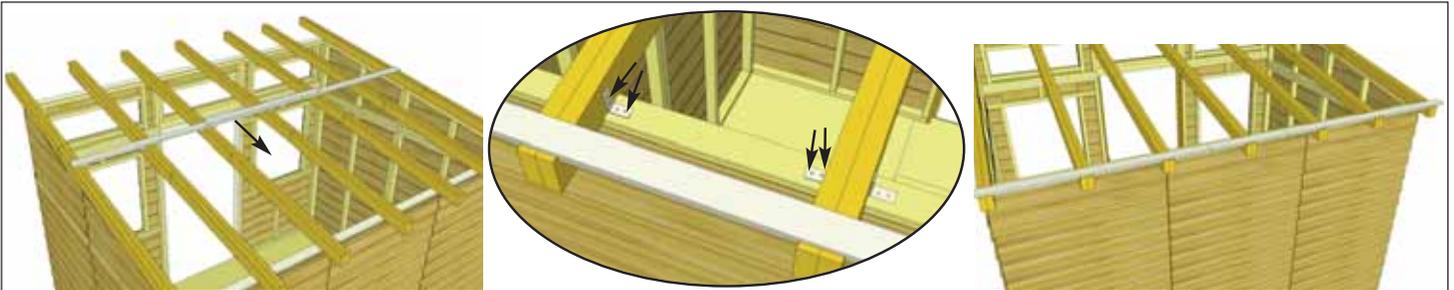
44. Place completed Rafter Spacer Jig on top of the roof rafters in the front. Position interior rafters so they fit in jig spacers as shown to the right. Use the Front Rafter Overhang Spacer to correctly position rafters from front to rear.

Expert Advice - prior to attaching rafters, refer to **Step 36** and check that walls are still level, square and plumb.



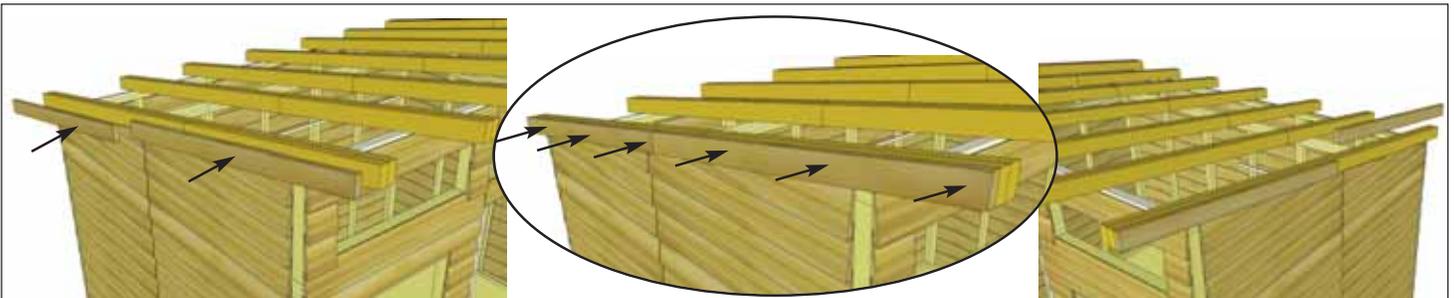
45. With Rafter correctly positioned using the overhang spacer, attach a **90° Metal Bracket** to each side of rafter and to the front upper wall top plate. Use **4 - 1 1/4" Screws** per bracket. Proceed to next rafter. Use overhang spacer to position rafters correctly front to back and attach with two 90° brackets as described. Complete all remaining front interior rafter attachments.

- Hardware
- S2 - 1 1/4" Screws**
x 40 total
 - Y2 - 90° Metal Bracket**
x 10 total



46. Slide Rafter Spacer Jig down to the rear. attach a **90° Metal Bracket** to each side of rafter and to the rear wall top plate. Use **4 - 1 1/4" Screws** per bracket. Complete all rear attachments of remaining interior rafters.

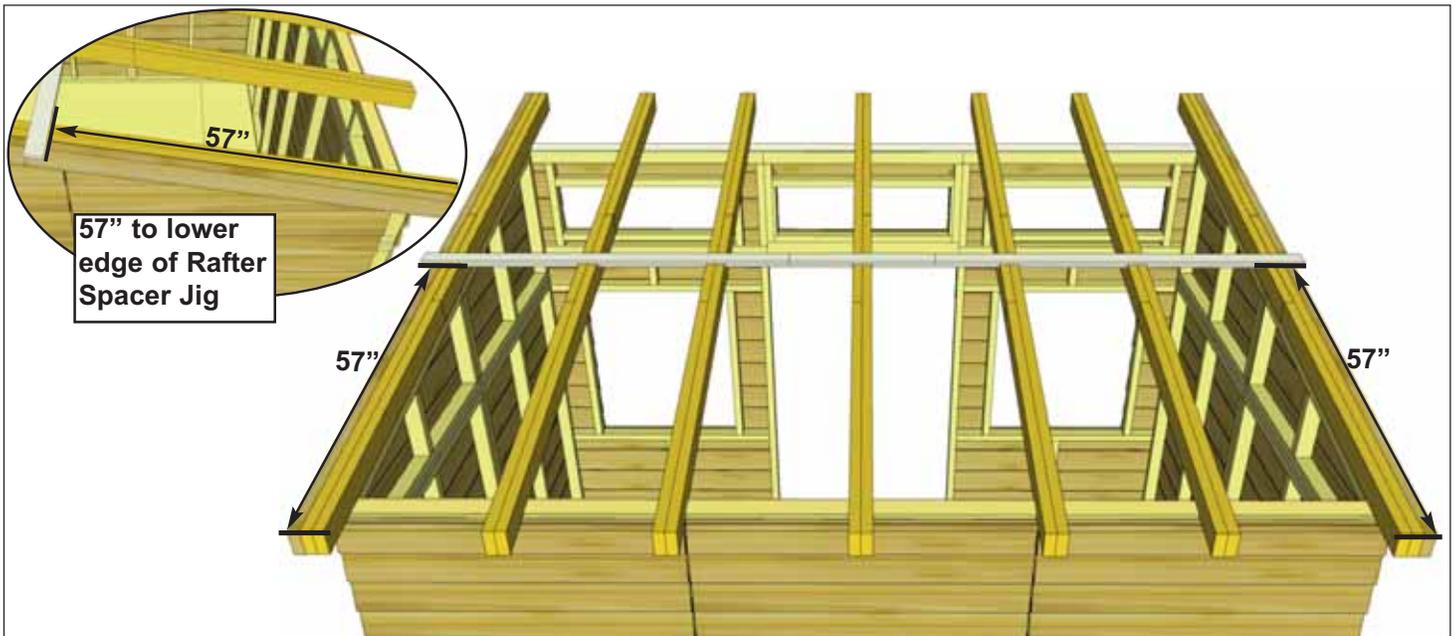
Hardware
(S2 - 1 1/4" Screws) x 40 total
(Y2 - 90° Metal Bracket) x 10 total



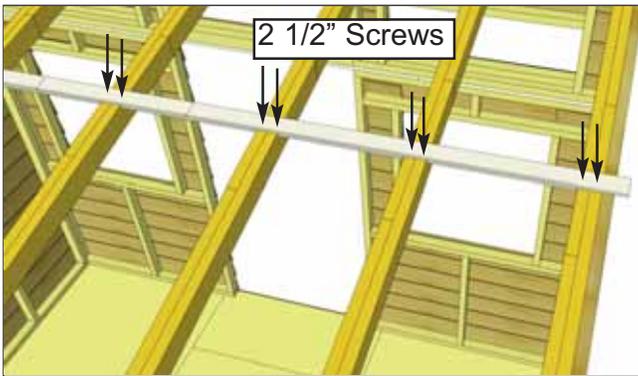
47. Locate **3C - Rafter Facia**. Position 2 pcs on outside rafter carefully lined up with ends and sides. Attach each piece with **3 - 2 1/2" Screws**. Complete both sides.

Parts
3C - Rafter Facia
11° angle cut ends
(1 1/2 x 2 1/2" x 59 1/2") x 4

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

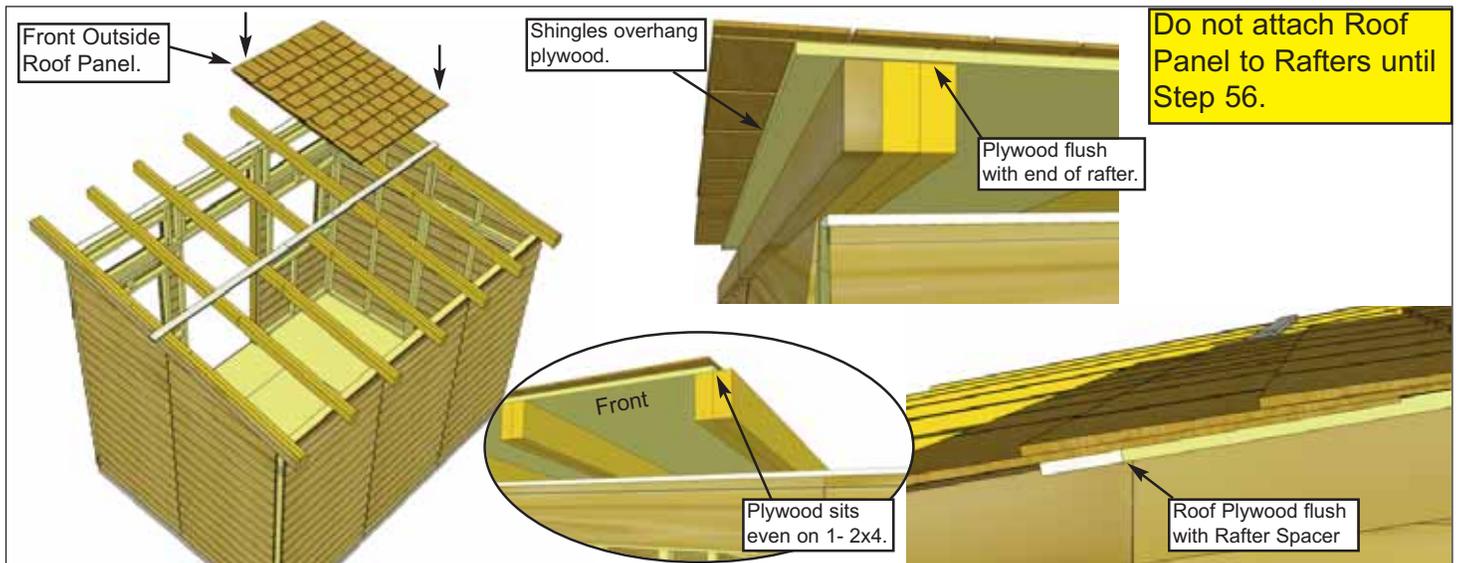


48. Measure **57"** from the rear of outer left and right rafters and mark location to fasten Rafter Spacer Jig. This will help stabilize the rafters and make it easier to put the roof panels on in **Step 50**. Check Squareness of walls again as in **Step 36** before fastening rafters.



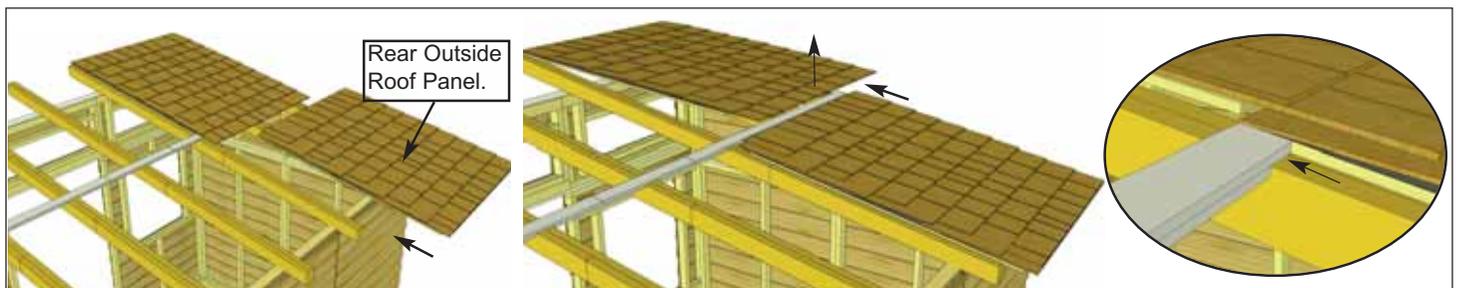
49. Screw down Rafter Spacer Jig onto Rafters with **2 - 2 1/2" Screws** per rafter assembly.

Hardware
S1 - 2 1/2" Screws
 x 14 total

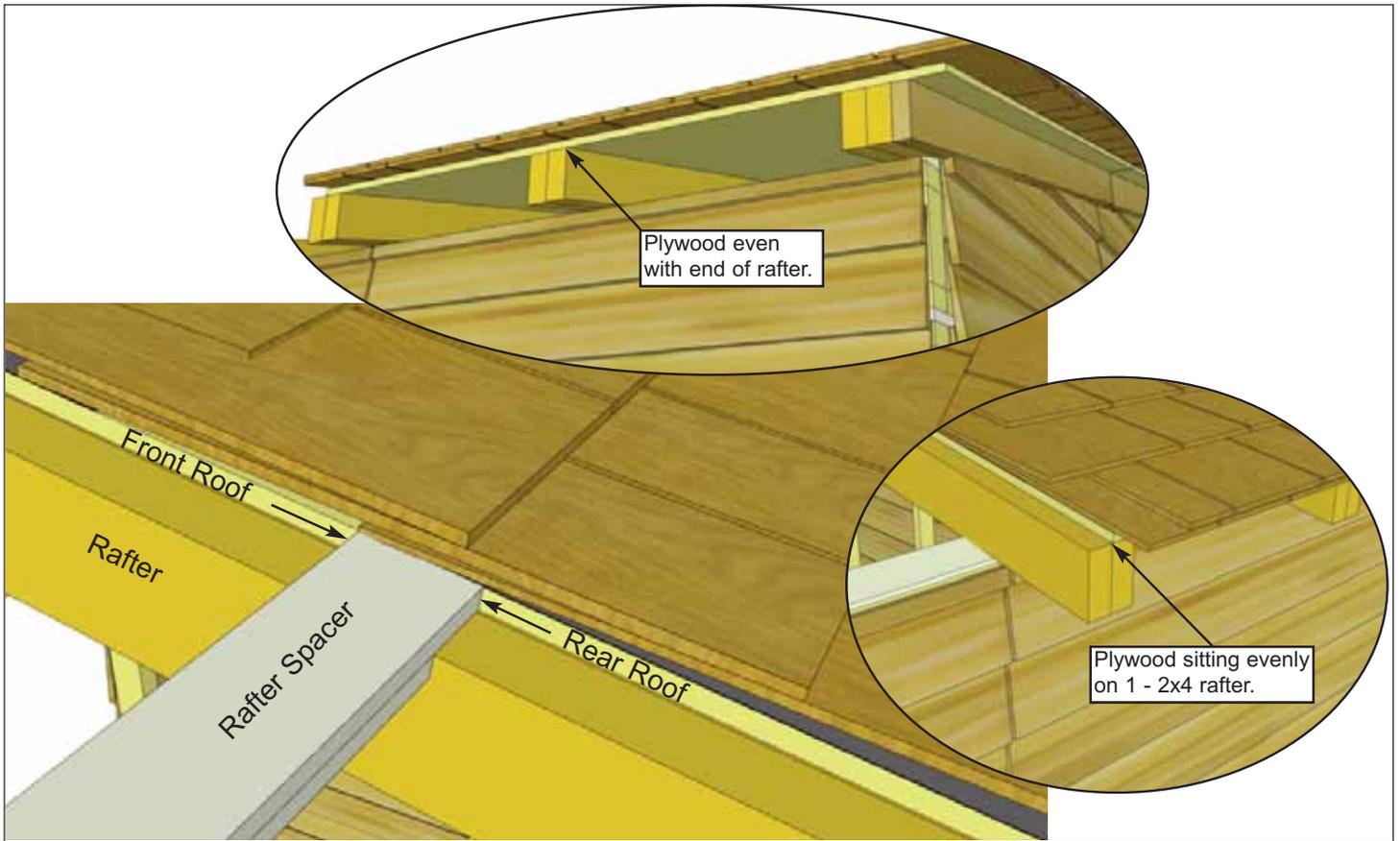


50. Locate and identify all 6 Roof Panels which are identified with a tag. Left and Right Roof Panels will have shingles overhanging the plywood on one side and flush with the plywood on the other side. Center panels will have shingles cut flush with the plywood on both sides. Locate **3G** or **3I - Front Outside Right or Left Roof Panel** to begin. Carefully lift on rafters. Plywood of panel will sit even with front of rafter and on one 2x4 of 3rd rafter.

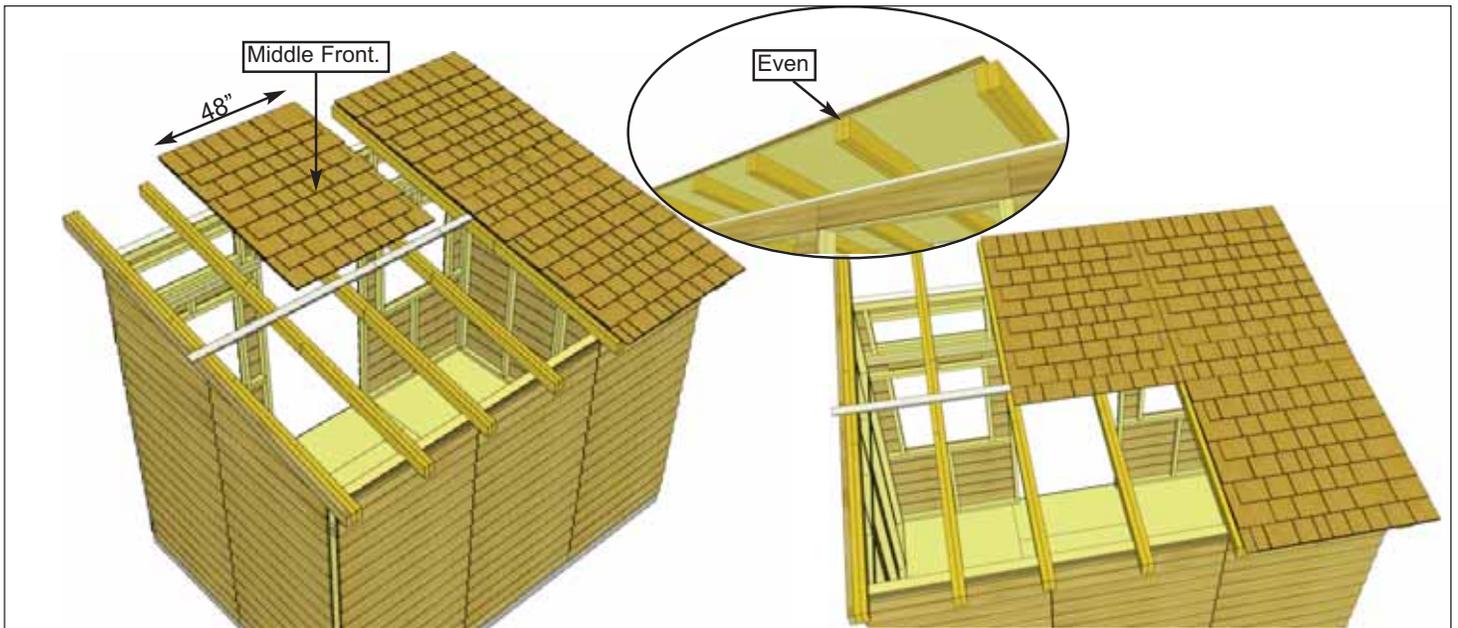
Parts (Steps 50 - 55)
3G - Right Roof Panels
 (50" wide - Front / Rear) x 2
3H - Center Roof Panels
 (48" wide - Front / Rear) x 2
3I - Left Roof Panels
 (50" wide - Front / Rear) x 2



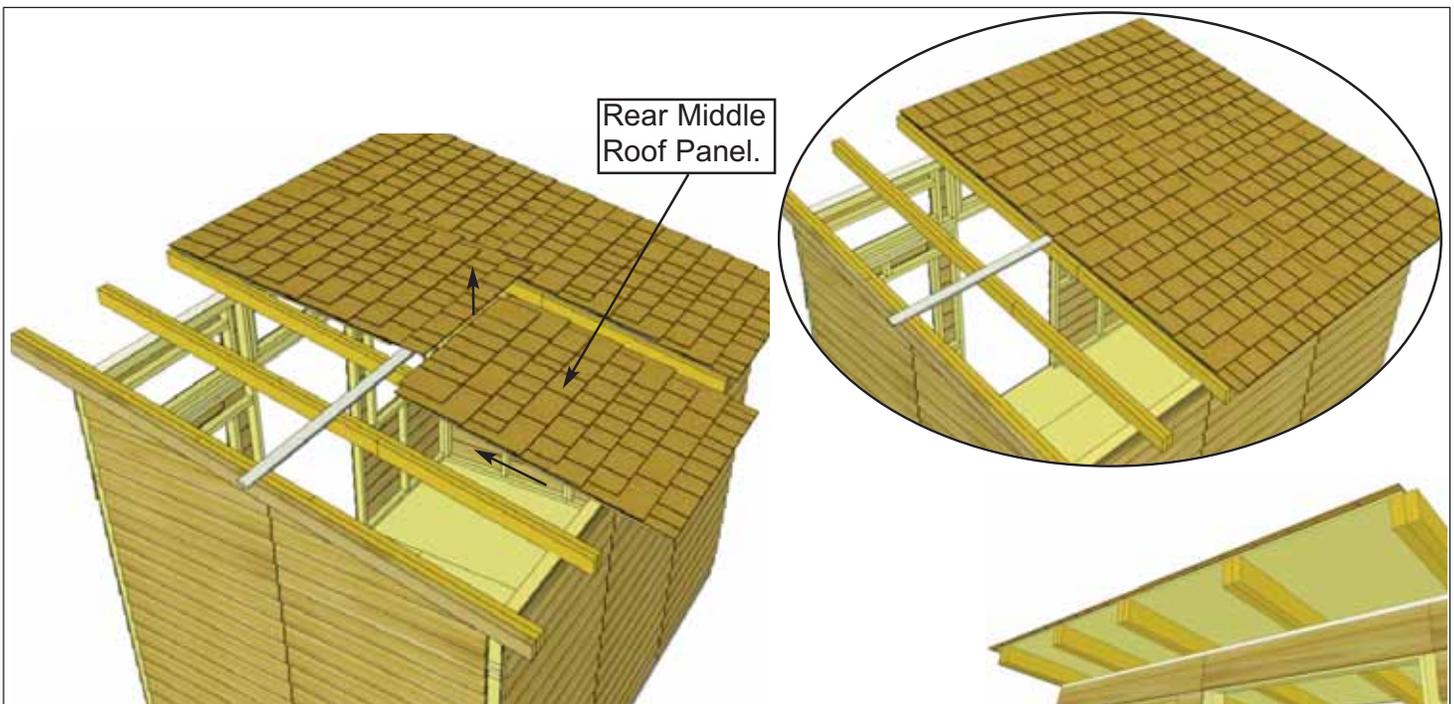
51. Locate Rear Outside Roof Panel. Carefully slide panel up on rafters. Have your helper carefully lift the front roof panel up (lift plywood and not shingles) and slide rear panel underneath bottom shingles until plywood sheathing butts up flush with rafter spacer.



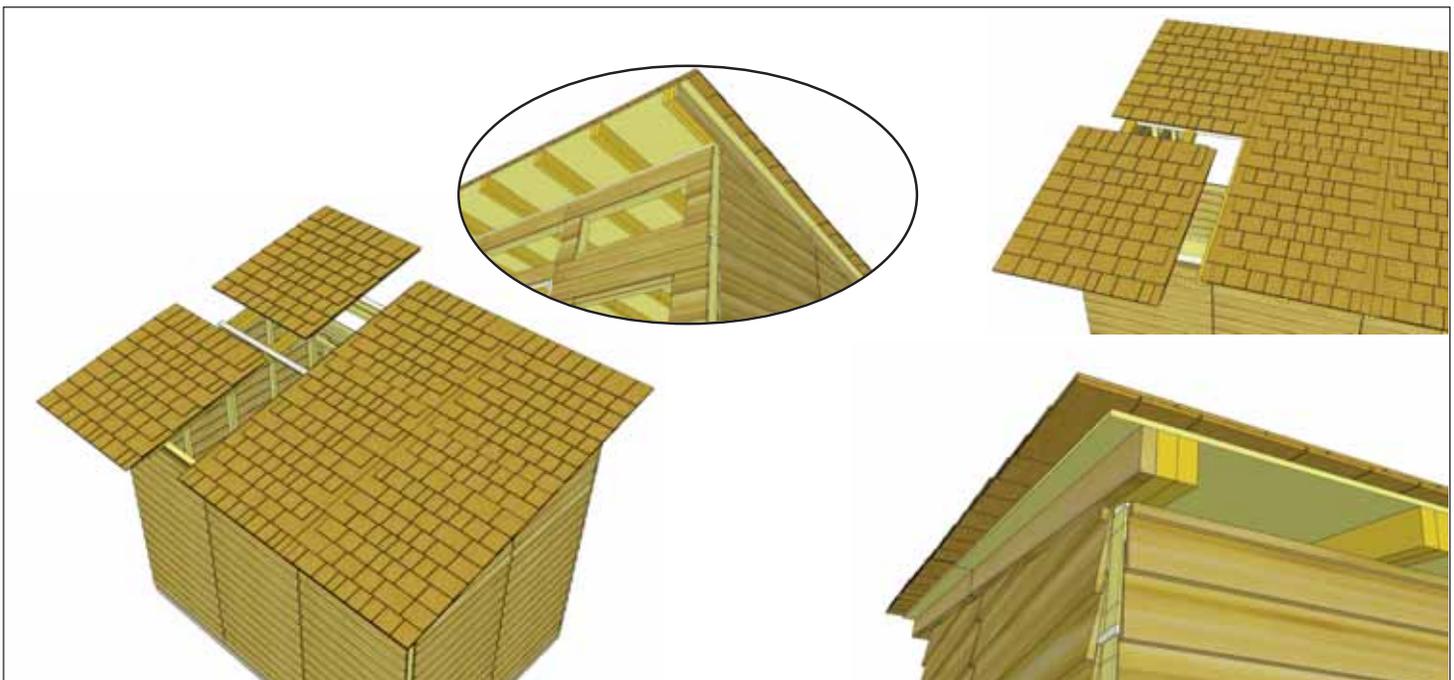
52. Line up roof plywood sheathing of front and rear roof panels. Plywood should sit even at bottom of rafter and even on 1 - 2x4 rafter.



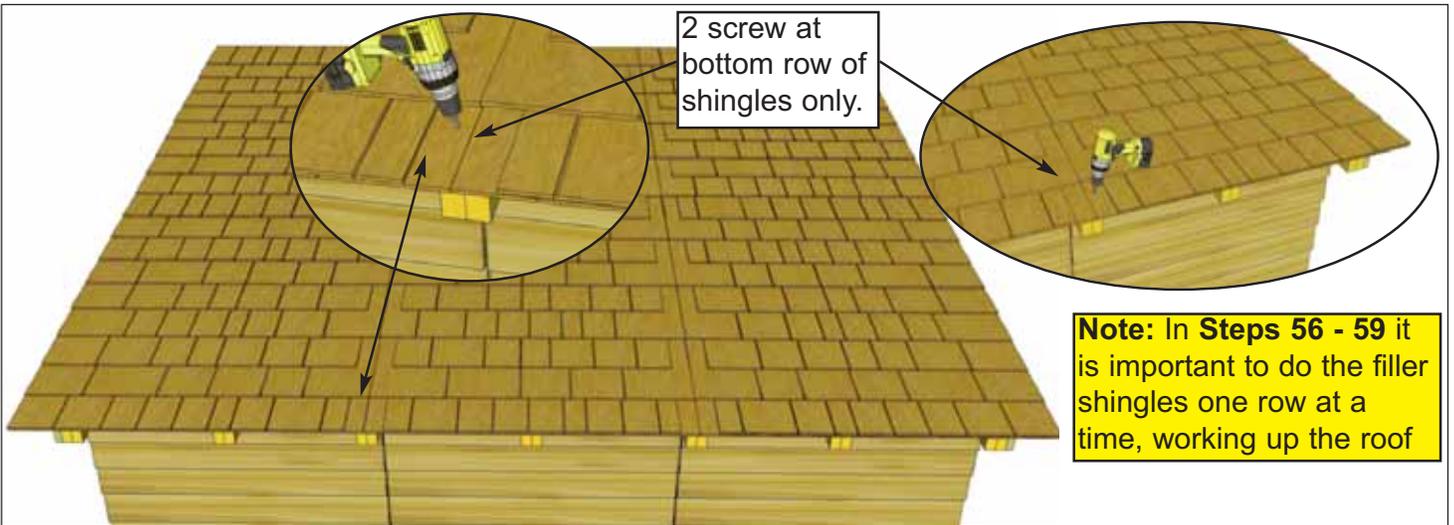
53. Locate Front Middle Roof Panel and slide up on to the 3rd and 5th Rafters. Line plywood roof sheathing similar to **Step 50**. Middle panels are cut so plywood and shingles are flush on both sides and can sit evenly on rafters. Line up plywood evenly with end of rafters at the front.



54. Locate Rear Middle Roof Panel. Carefully slide panel up on rafters as per **Steps 51-52**. Have your helper carefully lift the front roof panel up (lift plywood and not shingles) and slide rear panel underneath bottom shingles until plywood sheathing butts up flush with rafter spacer.

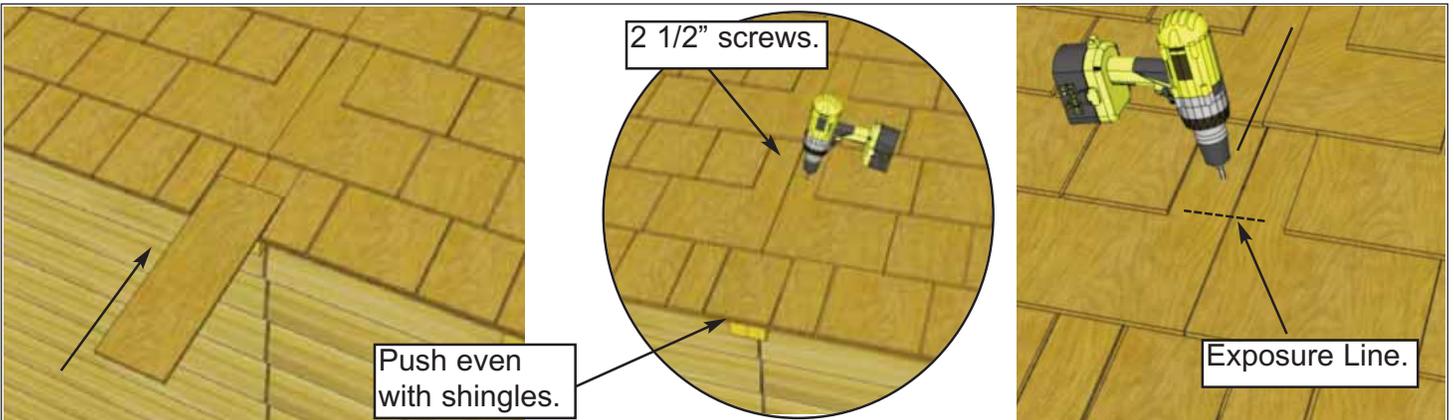


55. Locate remaining Outside Front and Rear Roof Panels. Carefully slide panels up on rafters and align as per **Steps 50-52**.



56. Screw roof panels down into rafter with **2 - 2 1/2" screws** (1 per panel) where Filler Shingle will cover screws in **Step 57**.

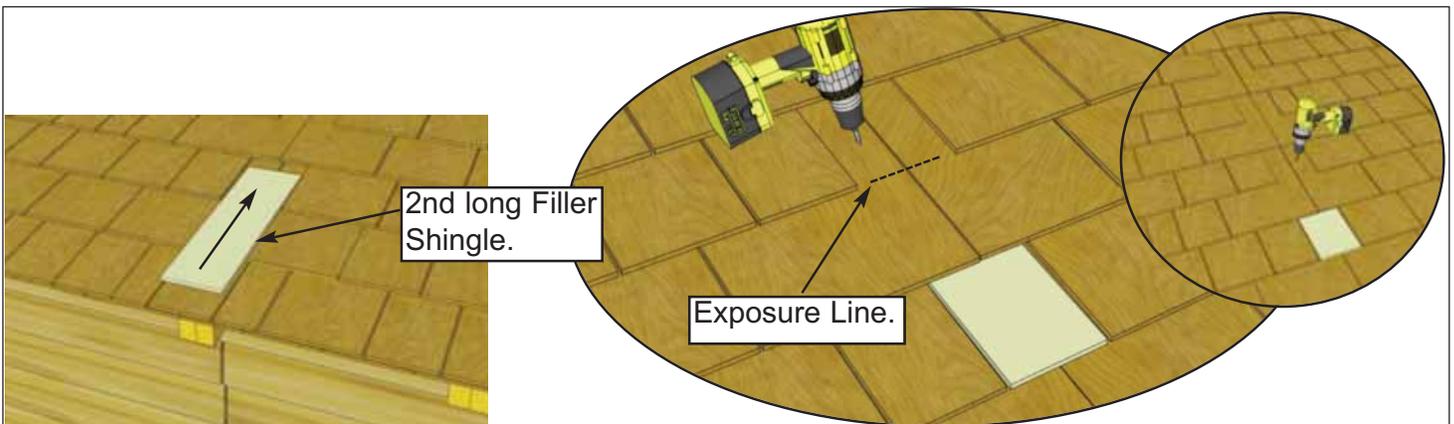
Hardware
(S1 - 2 1/2" Screws) x 2 total



57. Slide in **3J - Long Filler Shingle** where roof panels meet. Attach to roof above exposure line with **1 - 2 1/2" Screw** per panel. **Only attach first long filler shingle at this point.**

Parts
3J - Filler Shingle
(16" length) x 1

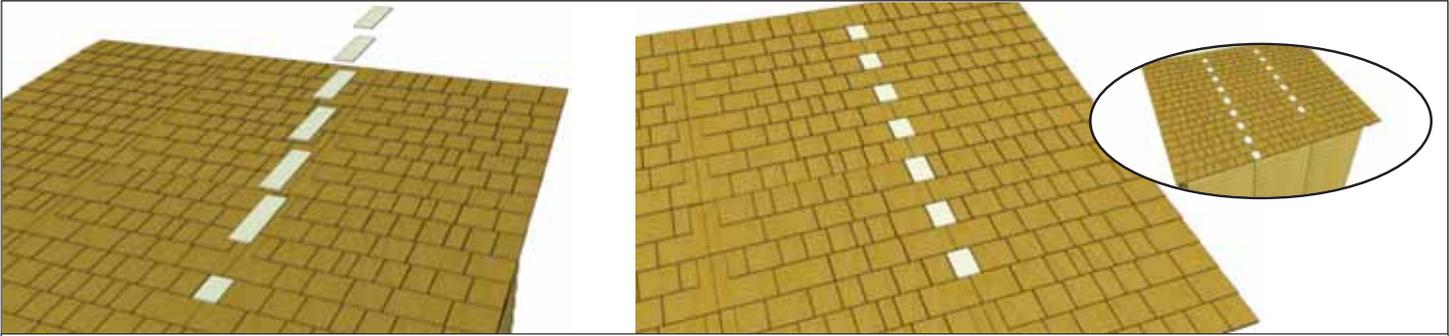
Hardware
S1 - 2 1/2" Screws
x 2 total



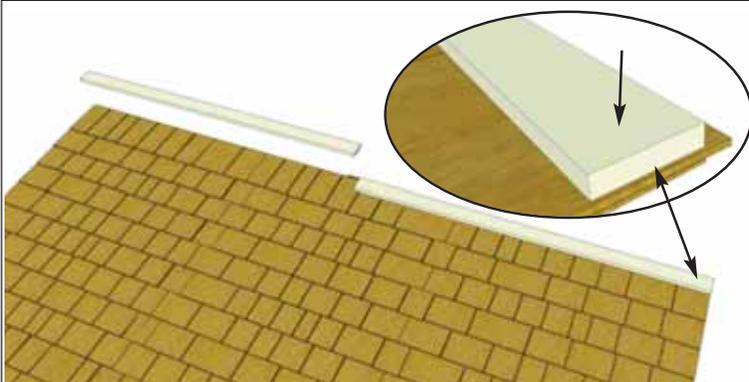
58. Slide in next **3J - Filler Shingle** and attach with **2 - 2 1/2" screws** as per **Step 57**. Slide in remaining Filler Shingles and attach in order. The top Filler Shingle (**3K**) is shorter. Screw top filler shingle 2 3/4" from end of roof.

Parts (Steps 58 - 59)
3J - Filler Shingles
(16" length) x 19
3K - Filler Shingles
(11" length) x 2

Hardware (Steps 58 - 59)
S1 - 2 1/2" Screws
x 42 total



59. Complete all remaining Filler Shingle attachments as per **Steps 56-58.**



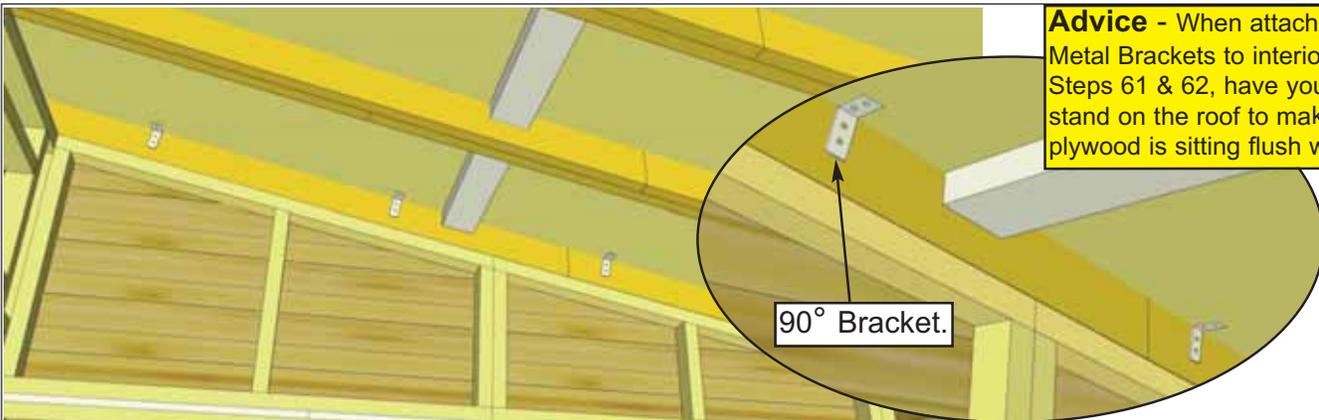
60. While on the roof, attach **3L - Front Roof Ridge Caps** on front of roof panel to cover screws used to secure the last smaller filler shingles. Use **6 - 1 1/2" Finishing Nails** to secure each cap.

Parts

3L - Front Roof Ridge Caps
(3/4" x 3 1/2" x 75") x 2

Hardware

(N1 - 1 1/2" Finishing Nails) x 12 total



Advice - When attaching 90° Metal Brackets to interior rafters in Steps 61 & 62, have your helper stand on the roof to make sure plywood is sitting flush with rafter.

90° Bracket.

61. Locate **90° Metal Brackets** in hardware kit. Position bracket against outside rafter and plywood roof sheathing and attach with **4 - 1 1/4" Screws**. There are 4 brackets per outside rafter. Evenly space brackets on rafter. Complete both sides.

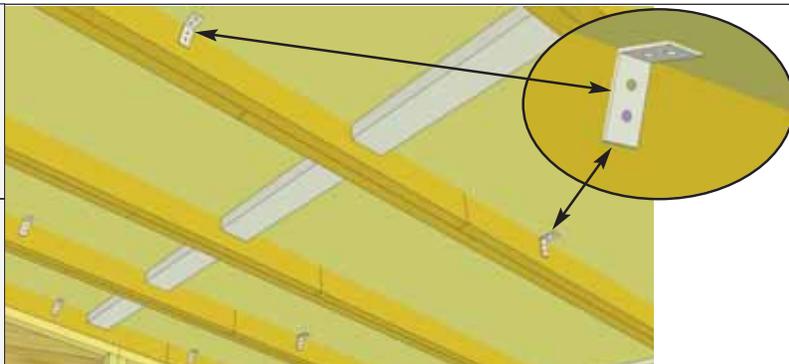
Hardware

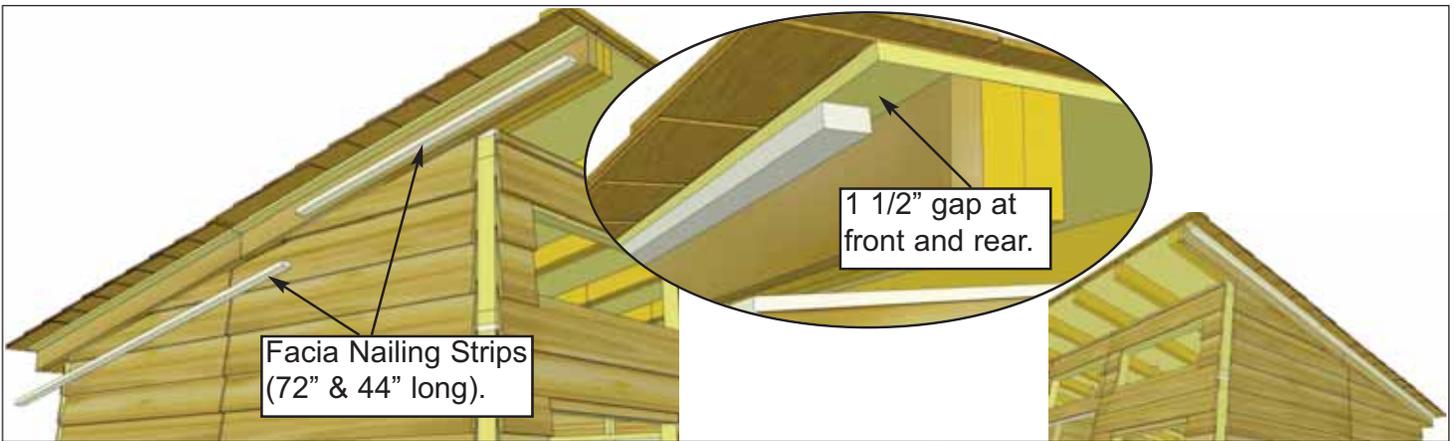
(S2 - 1 1/4" Screws) x 32 total
(Y2 - 90° Metal Brackets) x 8 total

62. On the 2nd, 4th and 6th rafter, install **2 - 90° Metal Brackets** evenly spaced with **4 - 1 1/4" screws** per bracket.

Hardware

(S2 - 1 1/4" Screws) x 24 total
(Y2 - 90° Metal Brackets) x 6 total





Facia Nailing Strips
(72" & 44" long).

1 1/2" gap at
front and rear.

63. Locate **3M & 3N - Roof/Facia Nailing Strips**. Strips will attach to the bottom of plywood sheathing flush with edge as shown to the right. Strips provides for a greater nailing surface later when you attach side facia. Attach both pieces with **7 - 1 1/4" Screws** total leaving a 1 1/2" gap at front and rear. Evenly space screws. Attach remaining cleats to panels to opposite side.

Parts

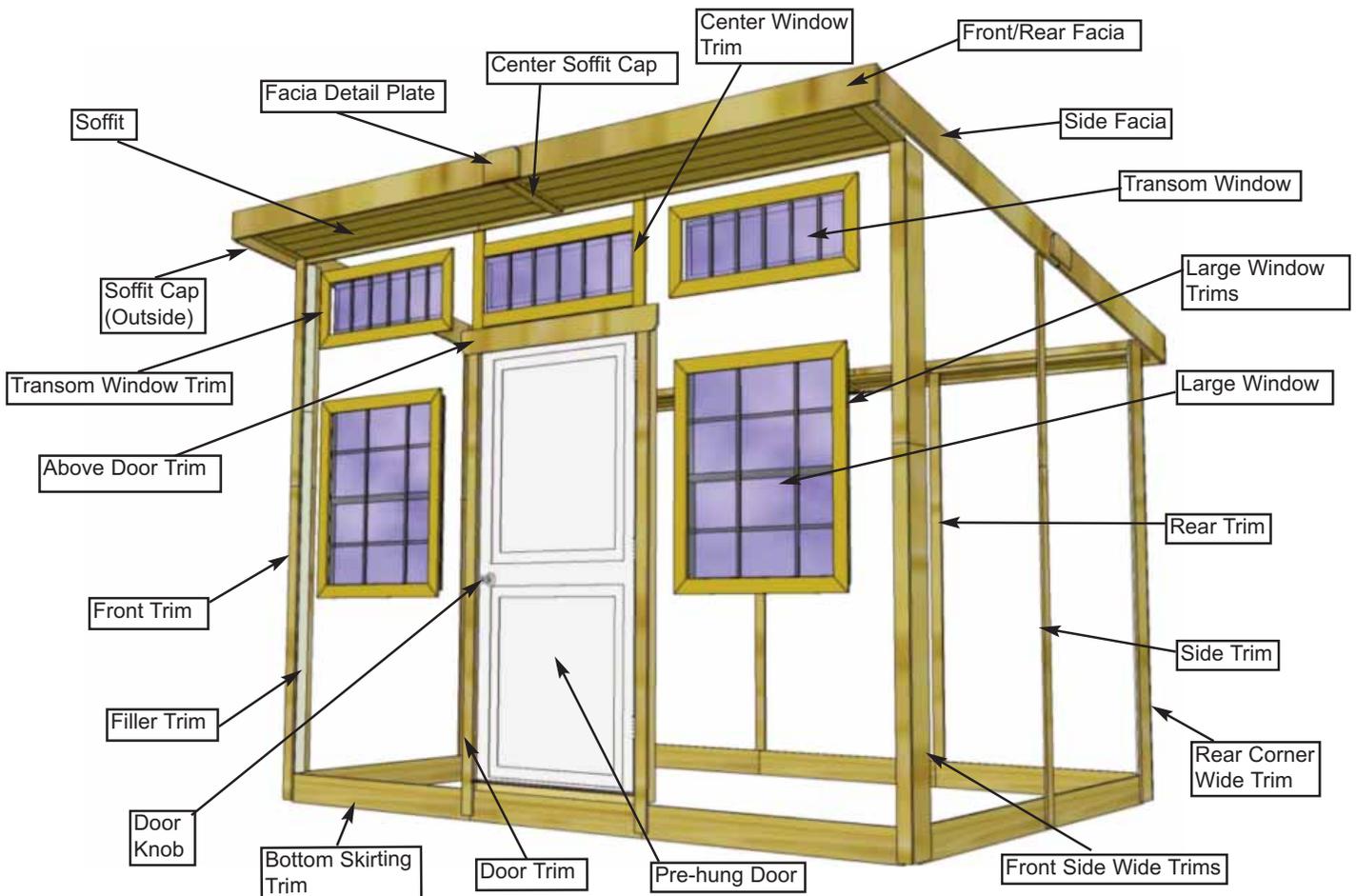
3M - Roof/Facia Nailing Strips
(3/4" x 1 1/2" x 72") x 2

3N - Roof/Facia Nailing Strips
(3/4" x 1 1/2" x 44") x 2

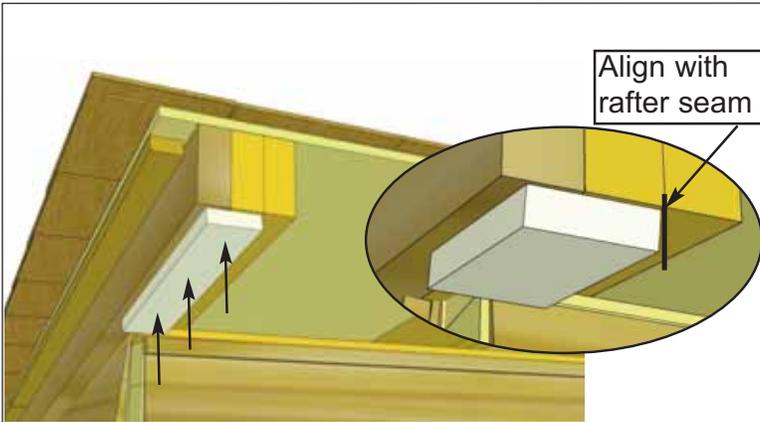
Hardware

(**S2 - 1 1/4" Screws**) x 14 total

4. Trim & Miscellaneous Section

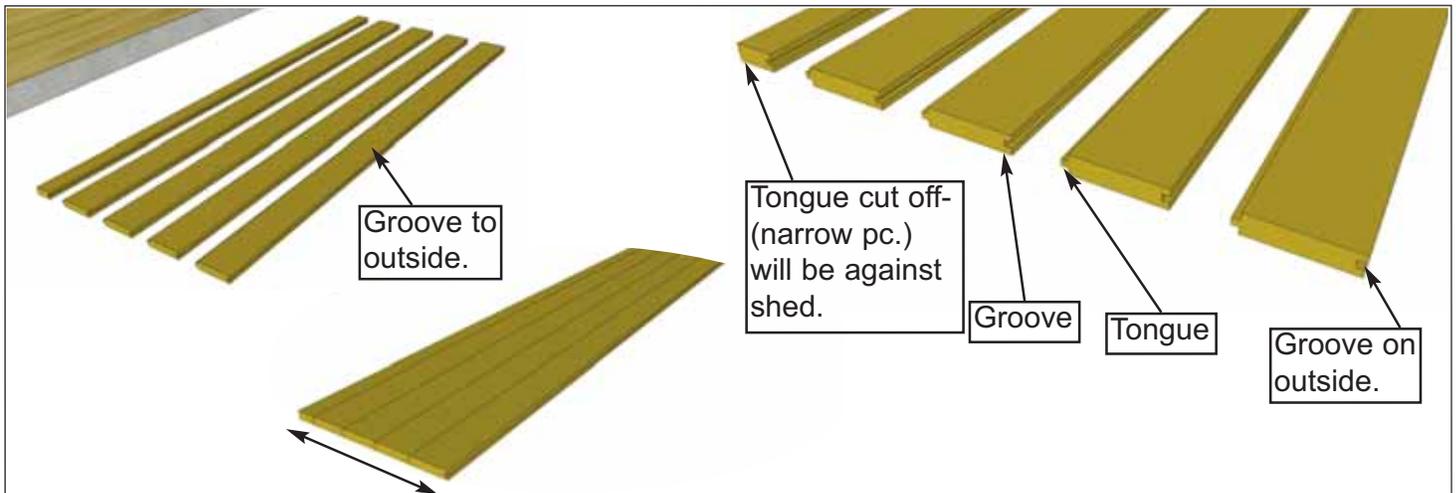


Note: All Trim, Facia and Bottom Skirting pieces will be positioned rough face out when installed.



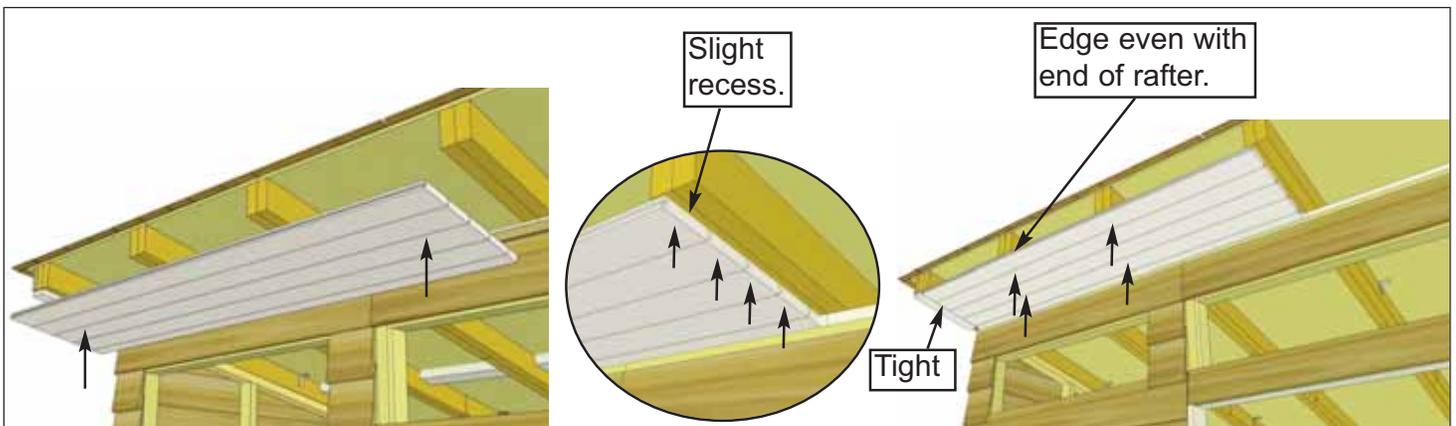
64. Locate **4A - Front Soffit Caps** and position underneath rafter. Align edge with rafter seam and tight against wall. Cap should not extend past end of rafters. Attach with **3 - 1 1/2" Finishing Nails**. Complete opposite side cap now.

<u>Parts</u>
4A - Left/Right Outside Front Soffit Cap (3/4" x 3 1/2" x 14") x 2
<u>Hardware</u>
(N1 - 1 1/2" Finishing Nails) x 6 total



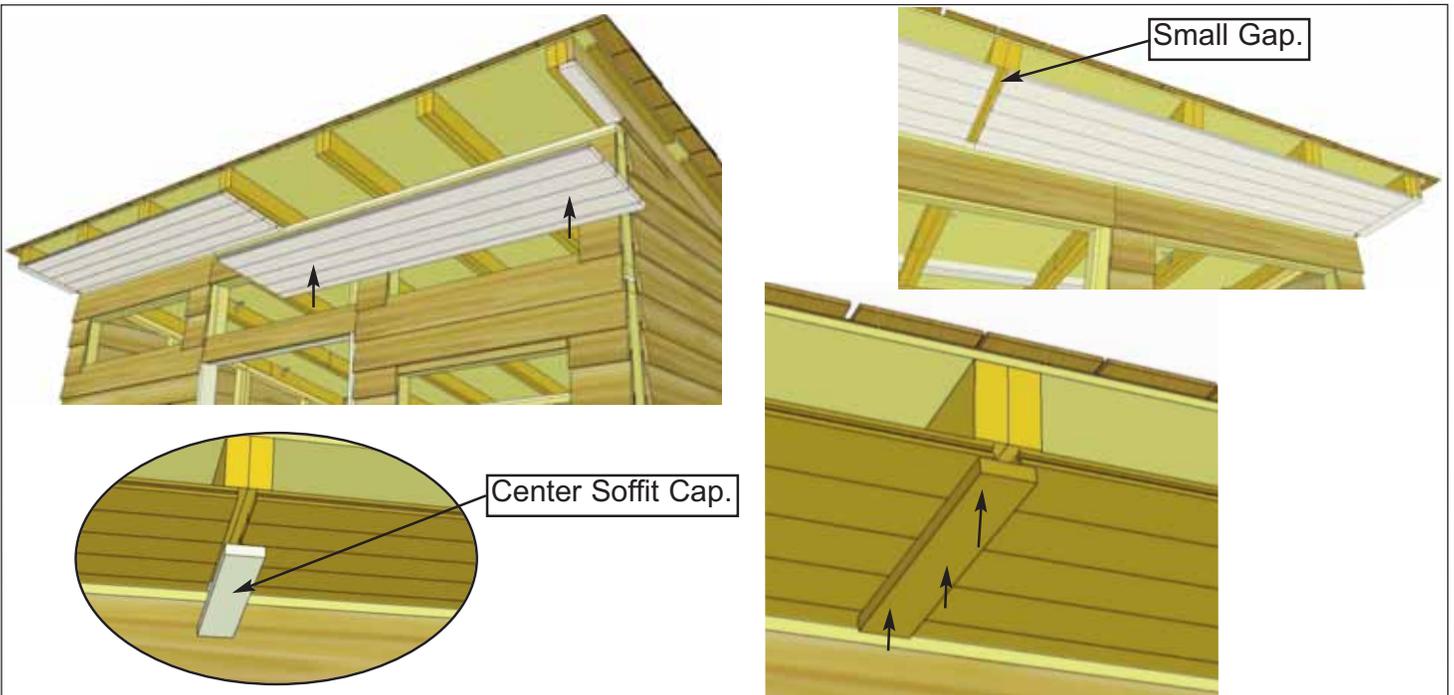
65. Locate **4B - Front Soffits** (Tongue & Groove) & **4C - Front Soffits** (with Tongues cut off). Start by fitting 5 pieces together (4 wide and 1 narrow) as shown above. Next assemble other 5 pieces the same way.

<u>Parts</u>
4B - Front Soffits (3/4" x 3 1/2" x 67") x 8
4C - Front Soffits (3/4" x 1 3/4" x 67") x 2



66. Carefully lift one of the front soffit sections and position underneath rafters tight against soffit cap. Front edge of soffit (grooved edge) should not extend past end of rafters. Attach with **12 - 1 1/2" Finishing Nails**.

<u>Hardware</u>
N1 - 1 1/2" Finishing Nails x 12 total



67. Carefully lift, position and attach second soffit section underneath rafters tight against soffit cap as per **Step 66**. Attach with **12 - 1 1/2" Finishing Nails**. Position **4D - Front Soffit Center Cap** underneath rafters and over gap where front soffits meet. Attach center cap with **3 - 1 1/2" Finishing Nails**.

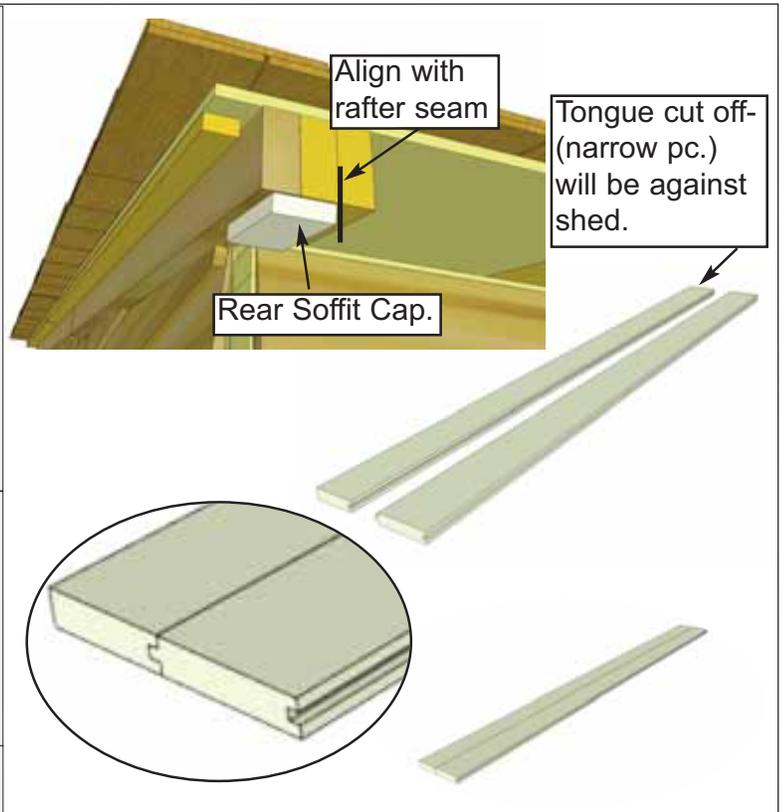
Parts
4D - Front Soffit Center Cap
 (1/2" x 2 1/2" x 13 7/8") x 1

Hardware
N1 - 1 1/2" Finishing Nails
 x 15 total

68. Locate and position **4E - Rear Soffit Caps** underneath rear rafter, tight against wall and aligned with rafter seam as per **Step 64**. Cap should not extend past end of rafters. Attach with **2 - 1 1/2" Finishing Nails**. Complete opposite side cap now.

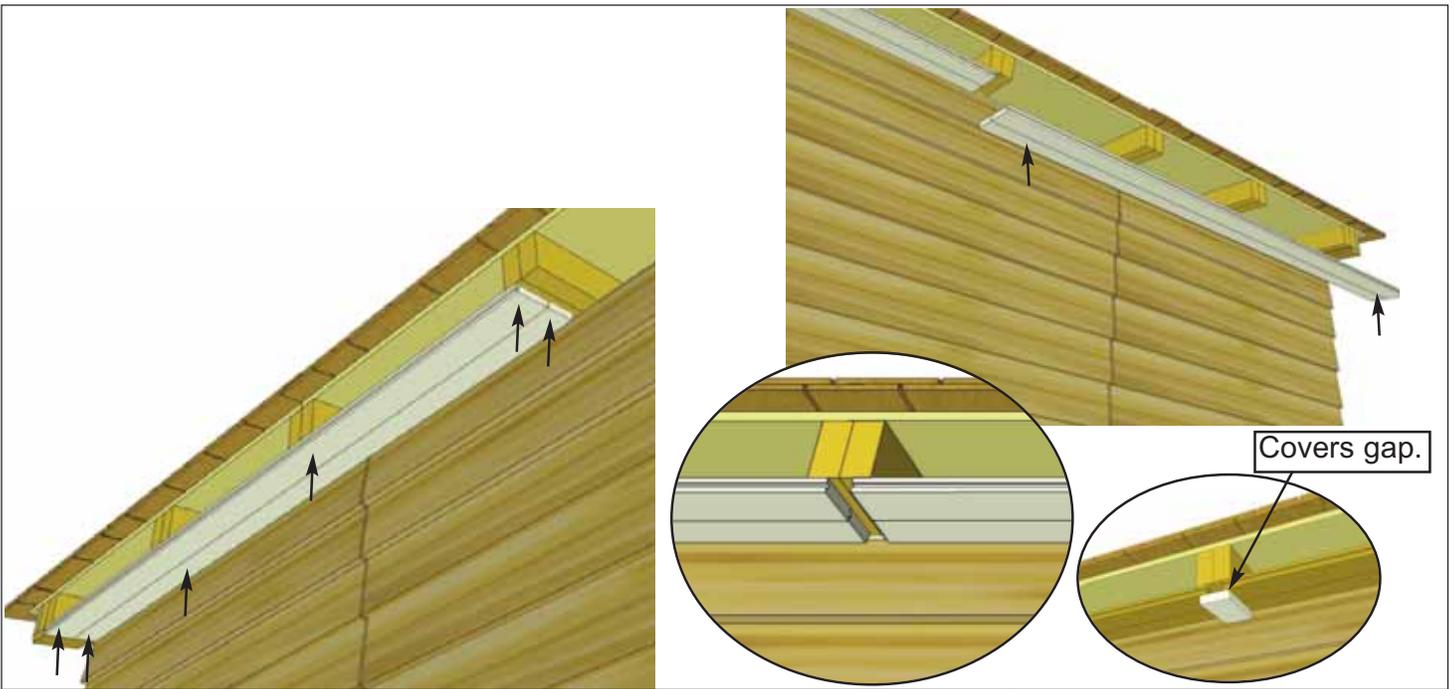
Locate **4F - Rear Soffits (Tongue & Groove)** & **4G - Rear Soffits (with tongues cut off)**.

Start by fitting 2 pieces together (1 wide and 1 narrow) as shown to the right. Assemble other 2 pieces the same way.



Parts
4E - Left/Right Outside Rear Soffit Caps
 (3/4" x 3 1/2" x 6 1/2") x 2
4F - Rear Soffits
 (3/4" x 3 1/2" x 67") x 2
4G - Rear Soffits
 (3/4" x 2 3/4" x 67") x 2

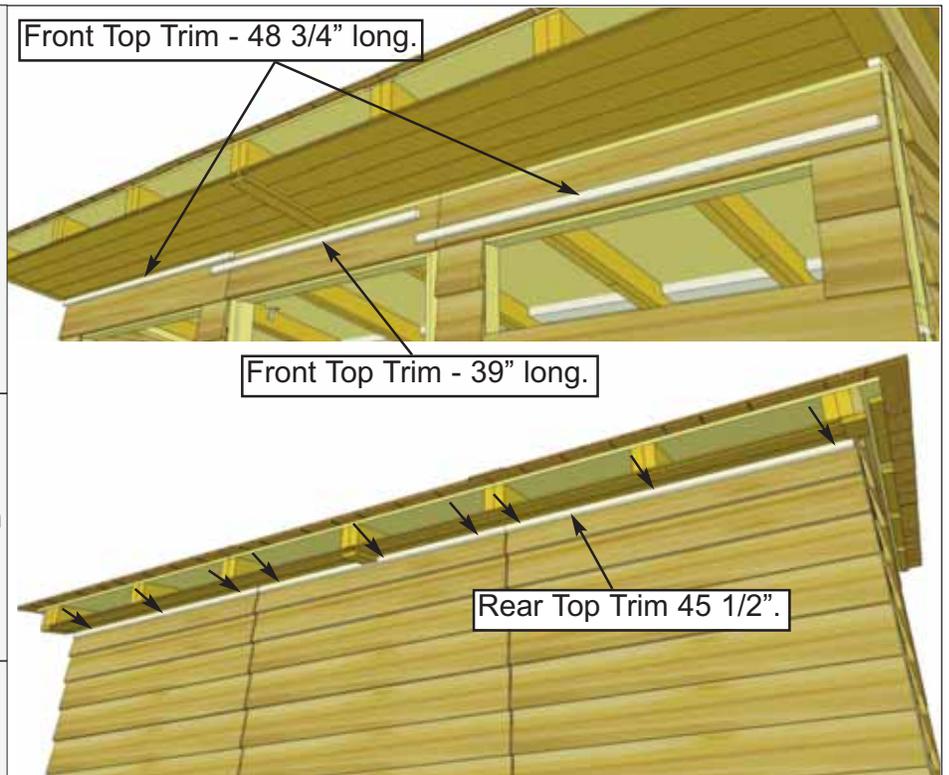
Hardware
(N1 - 1 1/2" Finishing Nails) x 4 total



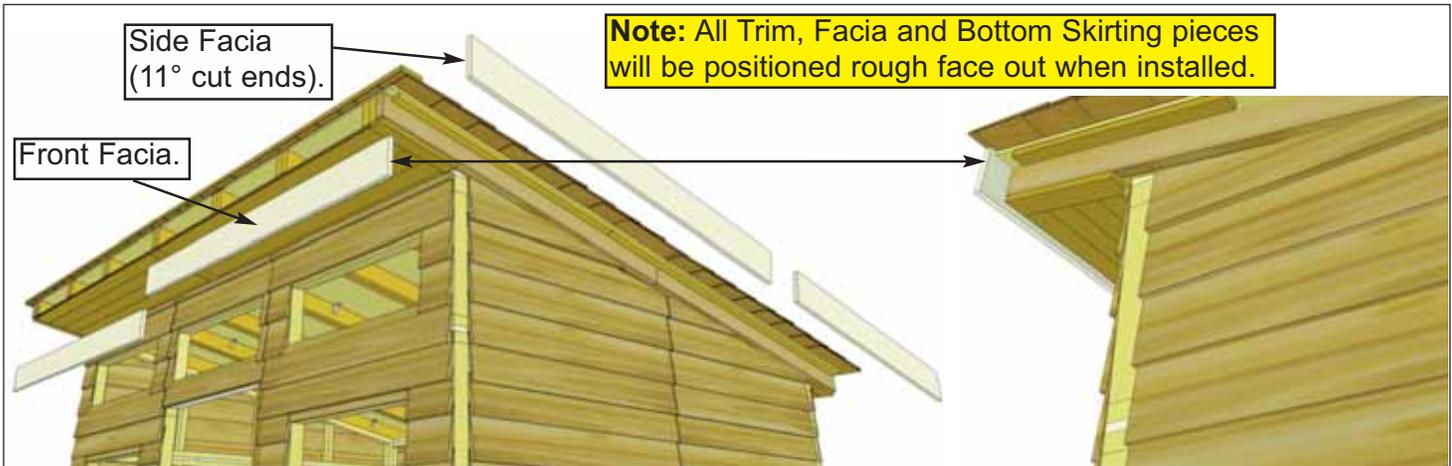
69. Carefully lift one of the rear soffit sections and position underneath rafters tight against soffit cap. Front edge of soffit (grooved edge) should not extend past end of rafters. Attach with **6 - 1 1/2" Finishing Nails** per section. Position and attach remaining rear soffit pieces as per **Step 67**. Position **4H - Rear Center Soffit Cap** underneath rafters and over gap where rear soffits meet. Attach center cap with **2 - 1 1/2" Finishing Nails**.

<u>Parts</u>
4H - Rear Center Soffit Cap (1/2" x 3 1/2" x 4 1/2") x 1
<u>Hardware</u>
N1 - 1 1/2" Finishing Nails x 14 total

70. Position and attach **4I, 4J & 4K - Top Horizontal Wall Trims**. Top trims are pieces of wall siding that are ripped to 1" wide pieces. They fit against the soffit and wall and finish trimming the shed. Use **3 - 1 1/2" Finishing Nails** to secure each trim.

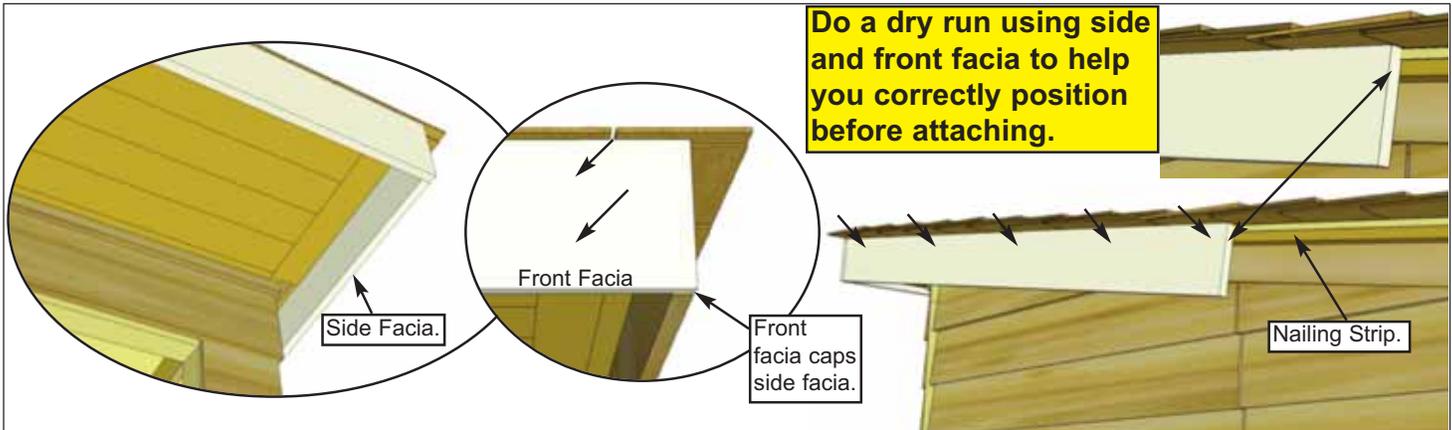


<u>Parts</u>
4I - Front Top Horizontal Wall Trim (3/4" x 1" x 39") x 1
4J - Front Top Horizontal Wall Trim (3/4" x 1" x 48 3/4") x 2
4K - Rear Top Horizontal Wall Trim (3/4" x 1" x 45 1/2") x 3
<u>Hardware</u>
N1 - 1 1/2" Finishing Nails x 18 total



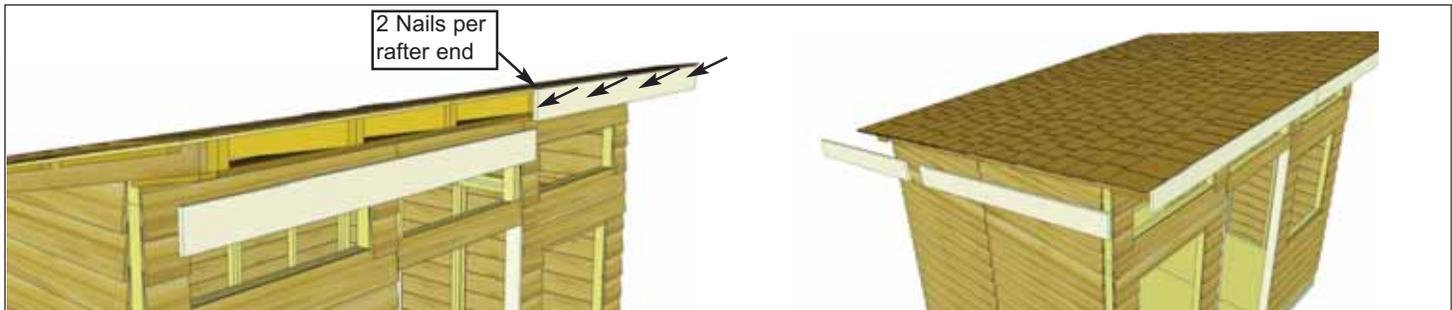
71. Locate **4L - Front/Rear Facia** & **4M - Side Facia**. Start by positioning one front facia up against front end of rafters.

Parts (Steps 71 - 75)
4L - Front/Rear Facia
 (3/4" x 5 1/2" x 72 3/4") x 4
4M - Side Facia - 11° cut ends (mirrored)
 (3/4" x 5 1/2" x 60") x 4

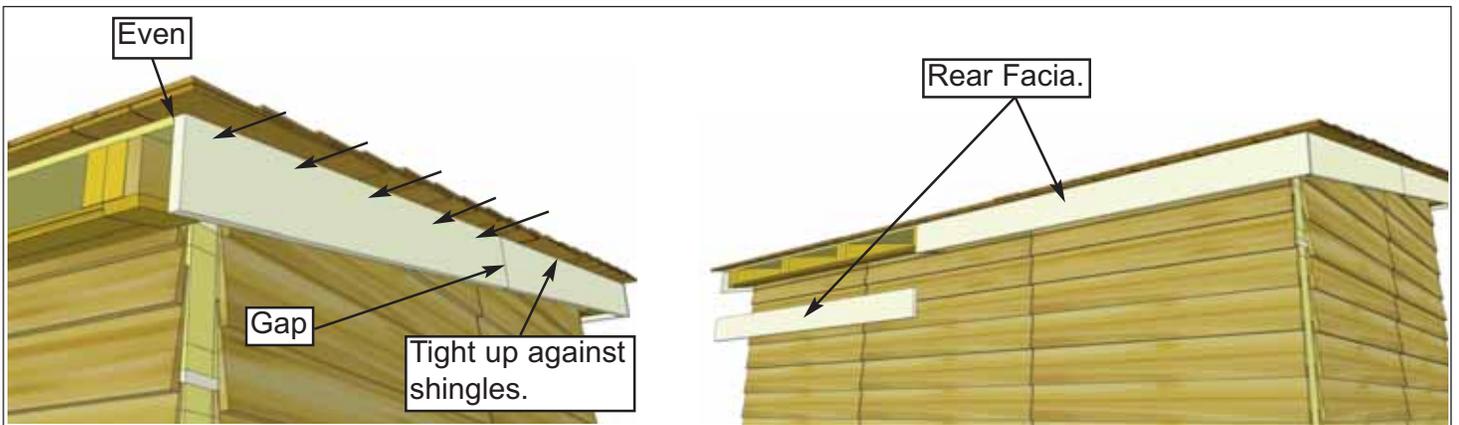


72. Next, have your helper place an angle cut Side Facia Board up tight under shingles and flush against nailing strip and plywood sheathing. Line front facia up so it caps the side facia. With front facia correctly aligned, attach front facia to rafter ends with **8 - 1 1/2" Finishing Nails**. Attach side facia to edge of nailing strip and plywood edge with **5 - 1 1/2" Finishing Nails**.

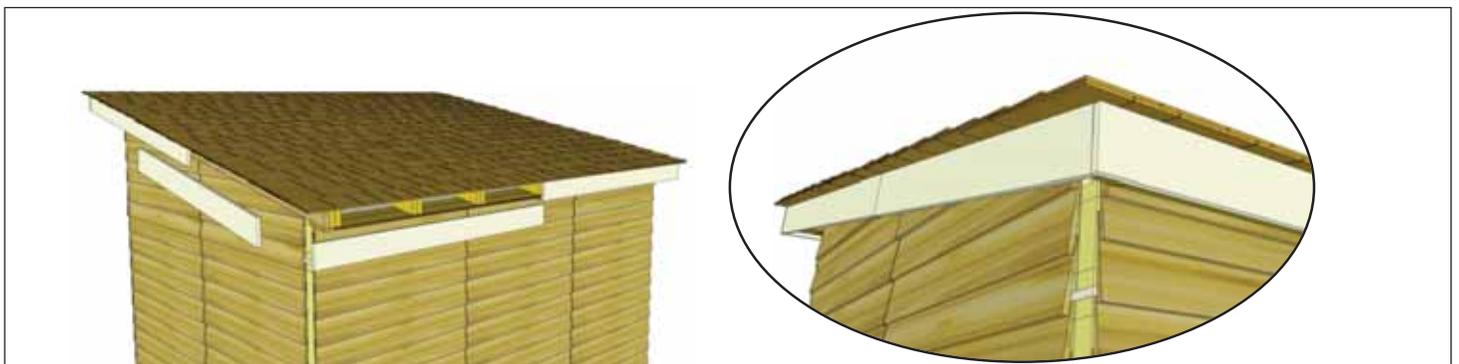
Hardware (Steps 72 - 75)
N1 - 1 1/2" Finishing Nails
 x 52 total



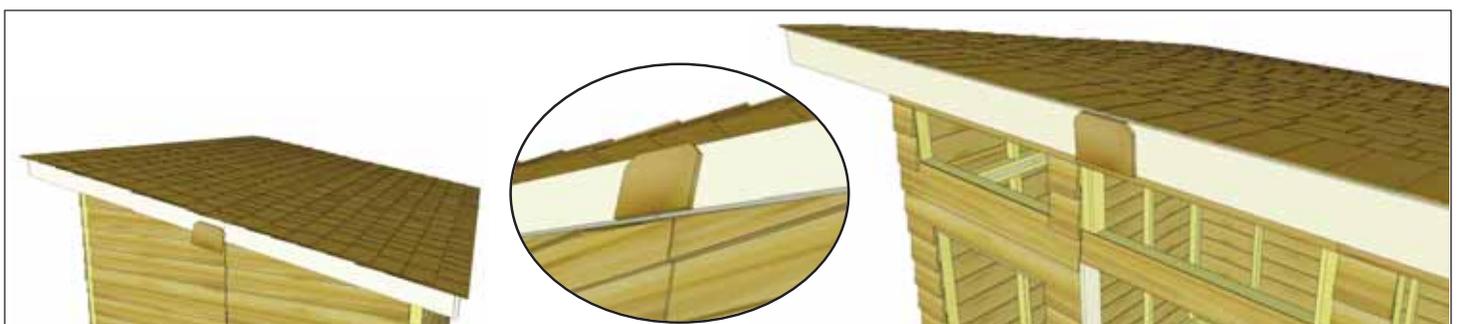
73. Align and attach remaining front facia as per **Step 72**. Align next two side facias on opposite side as first side facia. Once again, do a dry run before attaching. There will be a Facia Detail Plate attached in **Step 76** to hide any gaps where facia pieces meet in the middle.



74. After aligning two side facias and first rear facia, attach as per **Steps 71-73**. Once again, do a dry run before attaching.



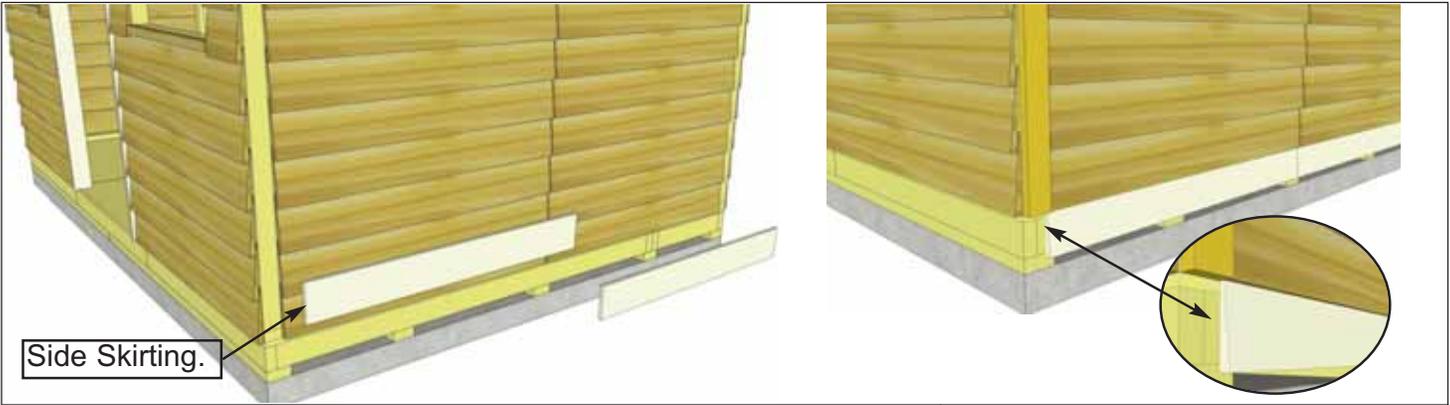
75. Attach remaining rear and lower side facia as per **Steps 71-74**.



76. Attach **4N - Facia Detail Plates** to cover seam where facia's meet. Secure each plate with **4 - 1 1/2" Finishing Nails**.

Parts
4N - Facia Detail Plates
 (1/2" x 7 1/2" x 5 1/2") x 4

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



77. Attach **40 - Bottom Skirting** around base of the shed. Skirting will hide floor framing. The side skirting pieces will meet together in the center. Gaps on outside will be covered by wide trim pieces later. Start with side skirting pieces first and attach each with **4 - 1 1/2" Finishing Nails**.

<p><u>Parts (Steps 77 - 78)</u> 40 - Side/Rear Bottom Skirting (3/4" x 4 1/2" x 45 1/2") x 7</p>
<p><u>Hardware (Steps 77 - 78)</u> N1 - 1 1/2" Finishing Nails x 28 total</p>



78. Complete rear and side skirting attachments as per **Step 77**.



79. Attach **4P & 4Q - Front Bottom Skirting** as per **Step 77**.

<p><u>Parts</u> 4P - Center Front Bottom Skirting (3/4" x 4 1/2" x 39") x 1 4Q - Outside Front Bottom Skirting (3/4" x 4 1/2" x 48 3/4") x 2</p>
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<p><u>Hardware</u> N1 - 1 1/2" Finishing Nails x 12 total</p>
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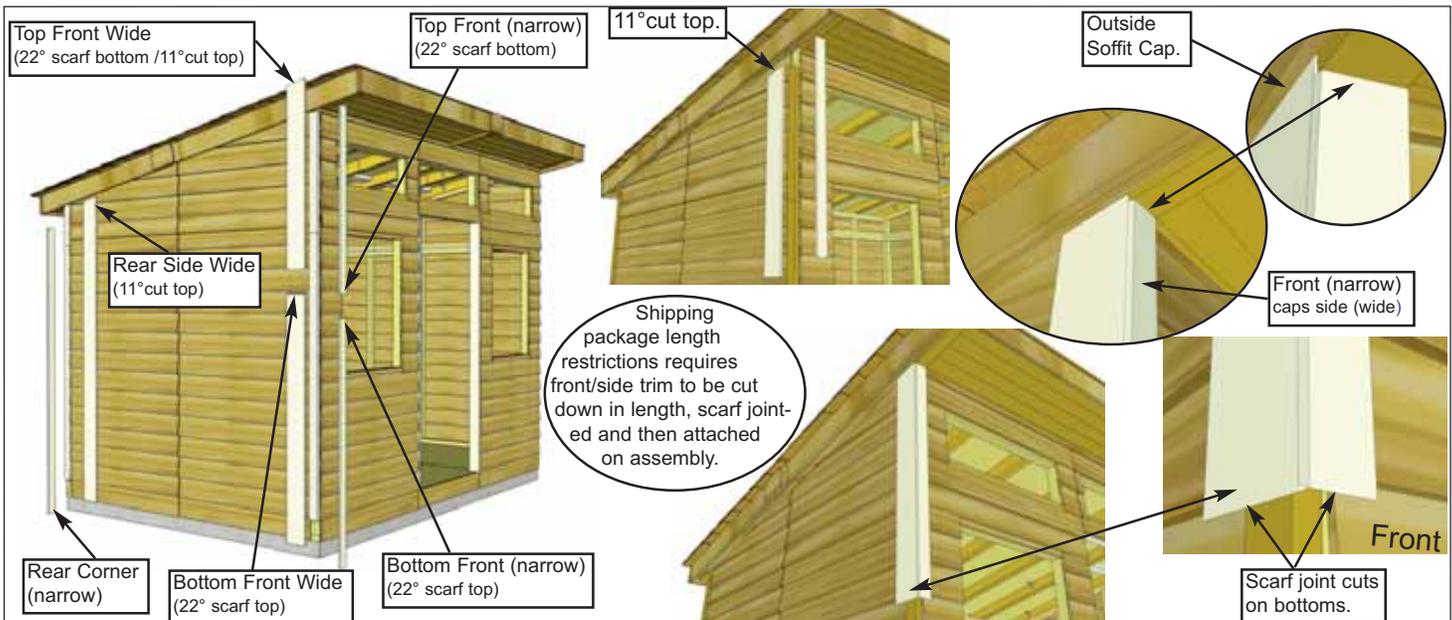
Reminder: Orientation of Trim Pieces is important. Left/Right pieces are mirror images with rough side facing outward



80. Position **4R - Filler Trim** (they serve as nailing strips) in corner of side wall, aligned flush with top of bottom skirting. Attach with **4 - 1 1/4" Screws** and repeat for all 4 corners. Next, attach **4S & 4T - Front/Rear Top Filler Trim** with **2 - 1 1/4" Screws** per piece.

Parts
4R - Filler Trim
 (7/8" x 2 1/2" x 72") x 4
4S - Front Top Filler Trim
 (7/8" x 2 1/2" x 28 1/2") x 2
4T - Rear Top Filler Trim
 (7/8" x 2 1/2" x 12") x 2

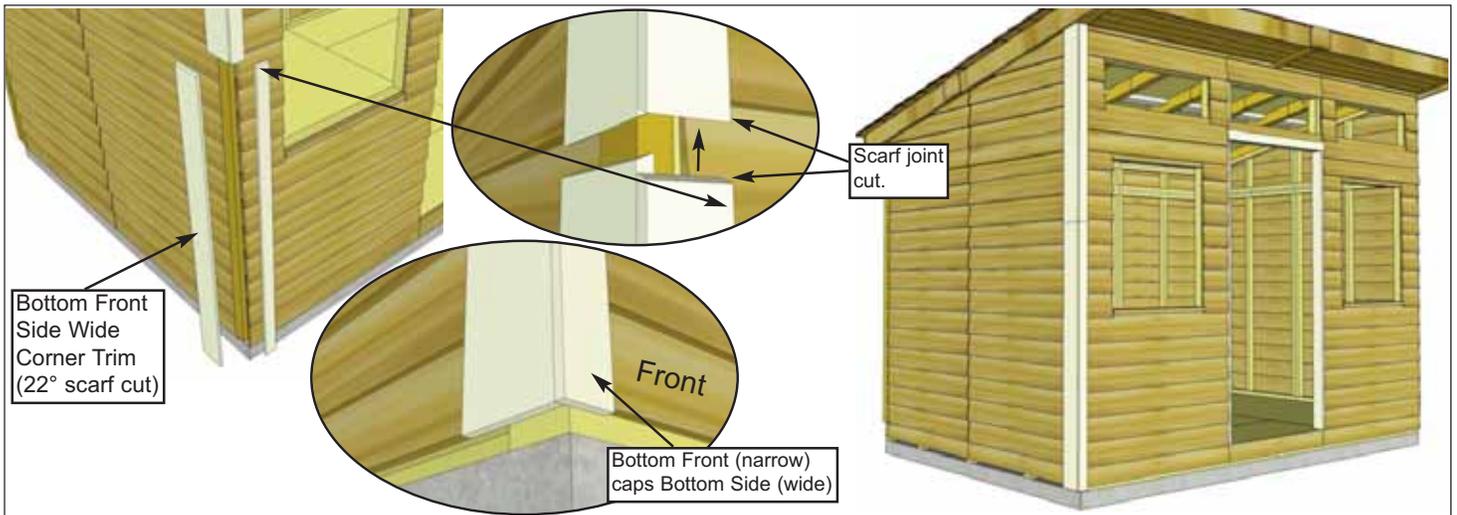
Hardware
S2 - 1 1/4" Screws
 x 22 total



81. There are 2 front corner trim packages (Left/Right) with 4 pieces per package which are needed to complete each corner. Start with the left side corner trim package by placing **4U - Top Front Narrow Corner Trim** tight underneath soffit cap and **4V - Top Front Side Wide Corner Trim** tight underneath rafter fascia so it is capped by the narrow trim. When correctly aligned, attach each trim with **6 - 1 1/2" Finishing Nails**. Have helper assist by holding trim.

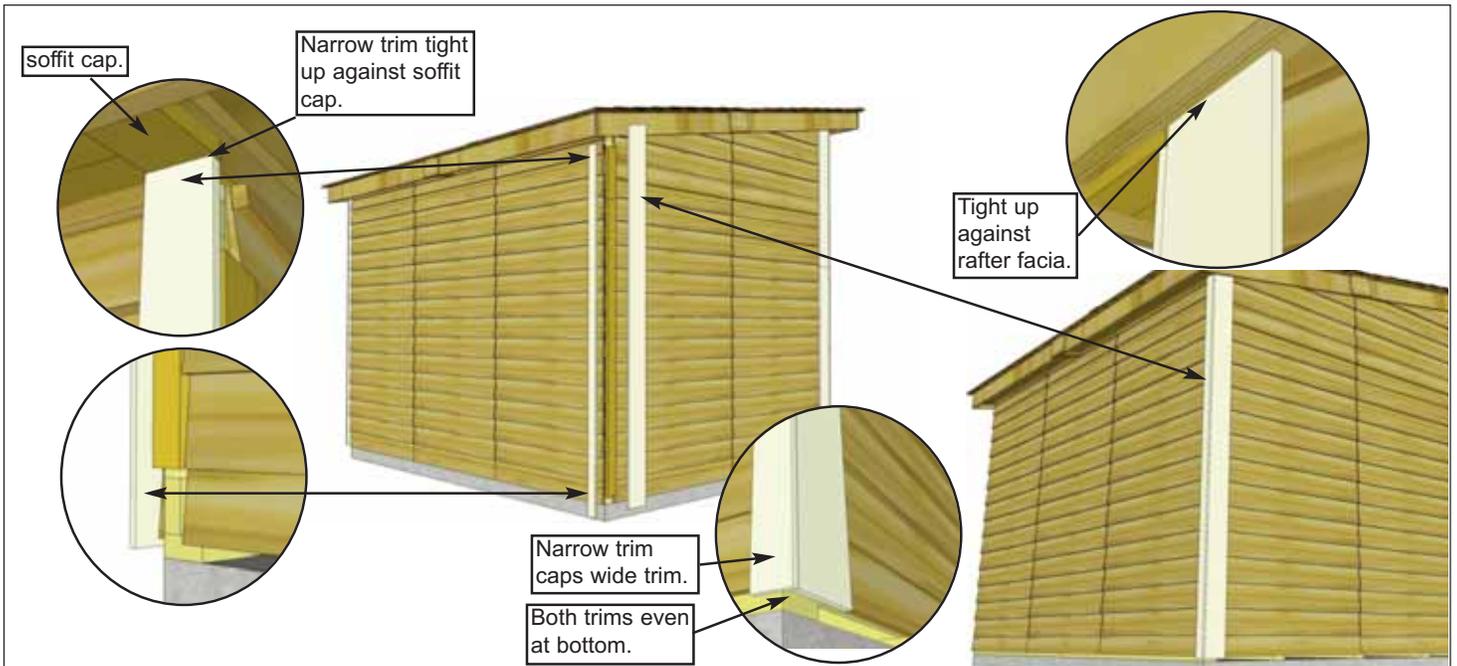
Parts (Steps 81 - 82)
4U - Top Front Narrow Corner Trim
 with 22° scarf cut bottom
 (1/2" x 2 1/2" x 46") x 2
4V - Top Front Side Wide Corner Trim
 with 22° scarf cut bottom / 11° cut top
 (1/2" x 5 1/2" x 46 1/2") x 2

Hardware (Steps 81 - 82)
(N1 - 1 1/2" Finishing Nails) x 56 total



82. From the Left Corner Trim package, locate **4W - Bottom Front Narrow Corner Trim** and **4X - Bottom Front Side Wide Corner Trim**. Position scarf joint of **4W** tight underneath scarf joint of **4U - Top Front Narrow Trim** from previous step. Secure with **8 - 1 1/2" Finishing Nails**. Align scarf joint of **4X** with scarf joint of **4V - Top Wide Trim** from previous step. Attach with **8 - 1 1/2" Finishing Nails**. Locate Right Side Front Corner Trim Package and repeat as per **Steps 81-82**.

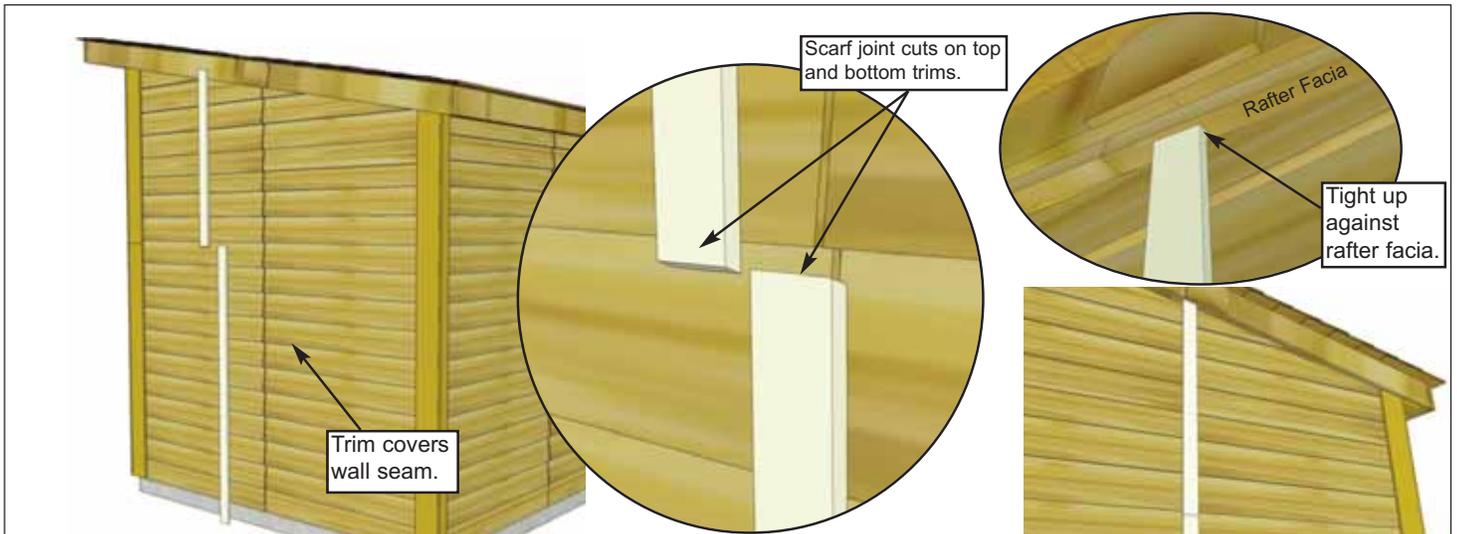
Parts
4W - Bottom Front Narrow Corner Trim
with 22° scarf cut top
 (1/2" x 2 1/2" x 62") x 2
4X - Bottom Front Side Wide Corner Trim
with 22° scarf cut top
 (1/2" x 5 1/2" x 62") x 2



83. Start by positioning **4Z - Rear Corner Narrow Trim** tight against soffit cap on rear wall siding. Next, position **4Y - Rear Side Wide Corner Trim** on side wall so it caps the narrow trim. When correctly aligned, attach each trim with **10 - 1 1/2" Finishing Nails**. Have helper assist by holding trim. Repeat for opposite side.

Parts
4Y - Rear Side Wide Corner Trim
with 11° cut top - mirrored
 (1/2" x 5 1/2" x 91") x 2
4Z - Rear Corner Narrow Trim
 (1/2" x 2 1/2" x 89") x 2

Hardware
(N1 - 1 1/2" Finishing Nails) x 40 total



84. Place **4AB - Top Side Trim** first up against rafter fascia and evenly spaced to cover wall seam. Attach with **4 - 1 1/2" Finishing Nails**. Place **4AC - Bottom Side Trim** against wall seam and line up scarf joints. Attach with **4 - 1 1/2" Finishing Nails**. Complete other side now.

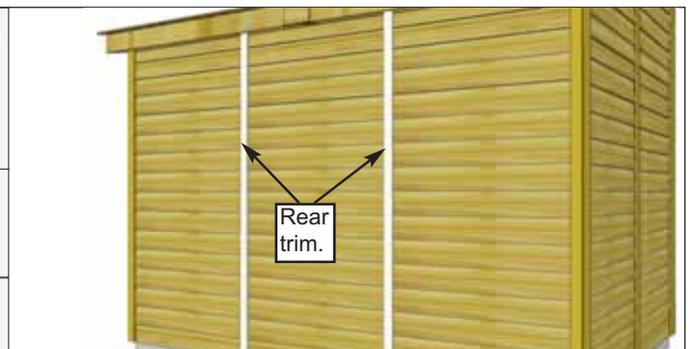
Parts
4AB - Top Side Trim
with 22° Scarf cut / 11° cut top
 (1/2" x 2 1/2" x 37 3/4") x 2
4AC - Bottom Side Trim
with 22° Scarf cut top
 (1/2" x 5 1/2" x 62") x 2

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

85. Position **4AD - Rear Wall Trim** up tight underneath rear soffit and evenly spaced to cover wall seam. Attach with **8 - 1 1/2" Finishing Nails**. Complete both trims now.

Parts
4AD - Rear Wall Trim
 (1/2" x 2 1/2" x 89") x 2

Hardware
(N1 - 1 1/2" Finishing Nails) x 16 total



86. Locate **4AE - Pre-Hung Door**. Door opening is 38" w x 80 1/4" h. Place door in opening. Use **4AO - Shim Shingles** to shim door tight in cavity. Once shim is wedged in, cut excess shingle wood off. Insert 4-8 shim shingles.

Parts
4AE - Pre-Hung Door
 (37 1/2" x 80") x 1
(4AR - Shim Shingles) x 8



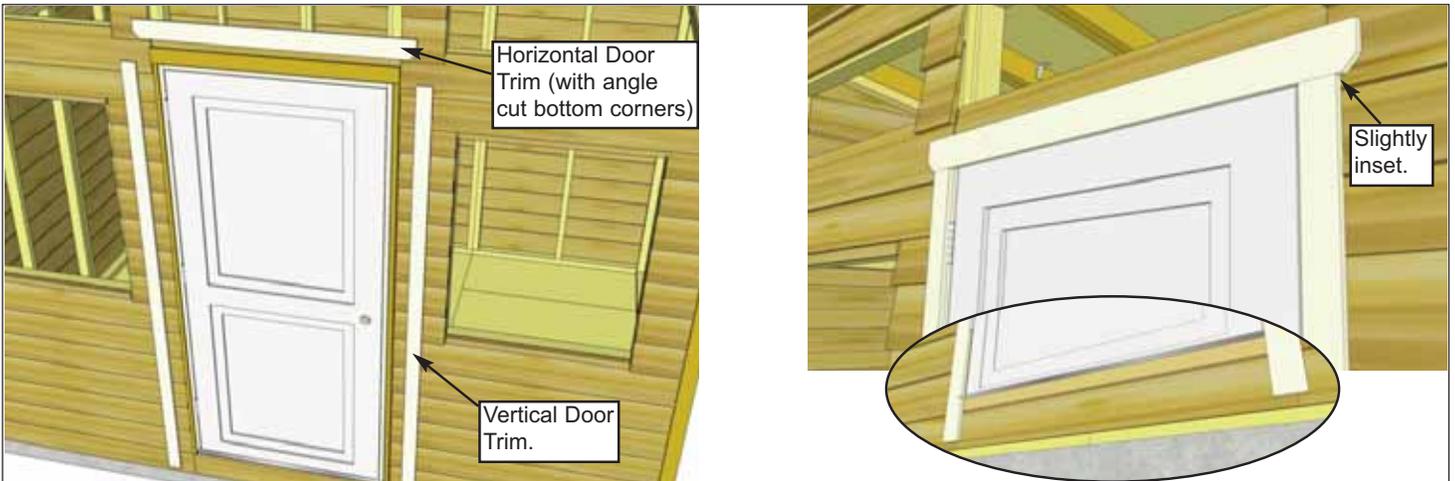
87. With door leveled in opening, open door and secure casing to shed framing where you shimmed. Use **2 - 2 1/2" Screws** on top and **3 - 2 1/2" Screws** on each side. Do not screw into threshold.

Hardware
S1 - 2 1/2" Screws
 x 8 total



88. Before trimming door out, open/close door and confirm for level. Make any adjustments now. Locate **4AF - Above Door Filler Trim - Bevel**. Position over door casing with thick end of piece up and recessed slightly. Attach with **4 - 1 1/2" Finishing Nails**.

Parts
4AF - Above Door Filler Trim - Bevel
 (3/4" x 2 1/2" x 40") x 1
Hardware
(N1 - 1 1/2" Finishing Nails) x 4 total



89. Position **4AG - Vertical Door Trims** and **4AH - Horizontal Door Trim** over door casing, recessed slightly. Attach **4AG** with **8 - 1 1/2" Finishing Nails** and **4AH** with **4 - 1 1/2" Finishing Nails**.

Parts
4AG - Vertical Door Trim
 (1/2" x 2 1/2" x 84") x 2
4AH - Horizontal Door Trim
 (1/2" x 3" x 44 1/2") x 1

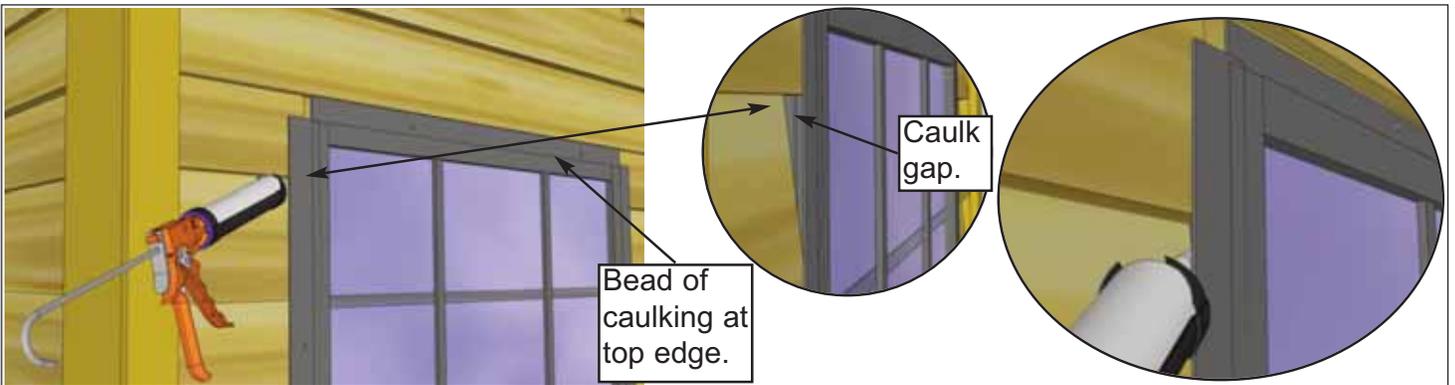
Hardware
N1 - 1 1/2" Finishing Nails
 x 20 total



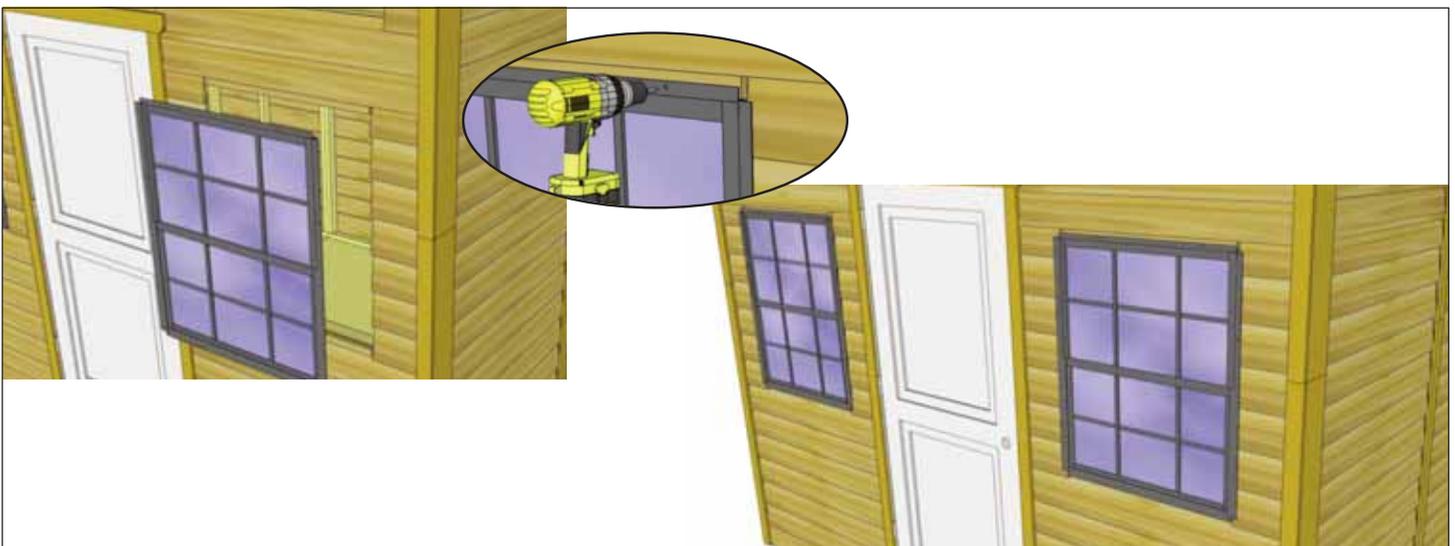
90. To reduce possible water from penetrating into the window cavity, caulk gap on both sides of window opening prior to installing the **4AI - Large Window Inserts**. Position insert in cavity and secure with **8 - 1 1/4" Screws**. Make sure to screw insert into the thick butt of the siding only.

Parts (Steps 90 - 92)
4AI - Large Window Inserts
 (30 1/4"w x 35"h) x 2

Hardware (Steps 90 - 92)
(S2 - 1 1/4" Screws) x 16 total



91. 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 reduce the chances of moisture entering into your shed.



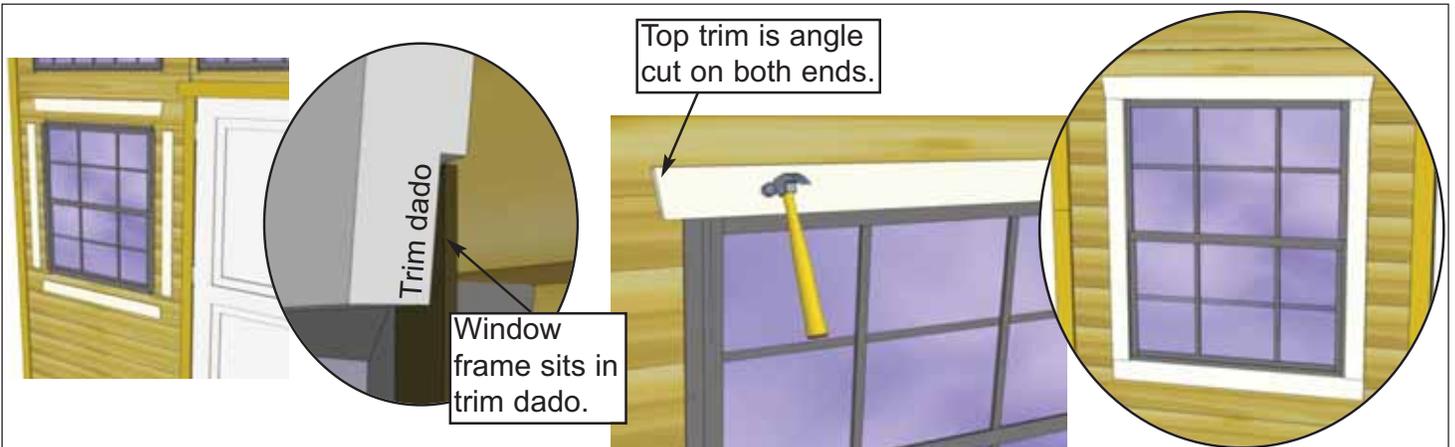
92. Insert second large window insert and attach and caulk as per **Steps 90-91**. Window Trims in **Step 94** will be installed to hide caulking.



93. Install the three **4AJ - Transom Window Inserts** with **6 - 1 1/4" Screws** as per **Steps 90-91.**

Parts
4AJ - Transom Window Inserts (35" w x 10 1/8" h) x 3

Hardware
(S2 - 1 1/4" Screws) x 18 total



94. Position **4AK - Large Window Trims** around window, doing a dry run first. Attach with **4 - 1 1/2" Finishing Nails** per piece. Window trim has a small dado on reverse face. Outside frame of window will roughly sit in the dado to give a better fit. Complete other large window the same way.

Parts
4AK - Large Window Trims
 (1 Top piece - 36 1/4" angle cut ends) x 2
 (2 Side pieces - 36 1/8" sq.cut) x 2
 (1 Bottom piece - 35 1/4" sq.cut) x 2

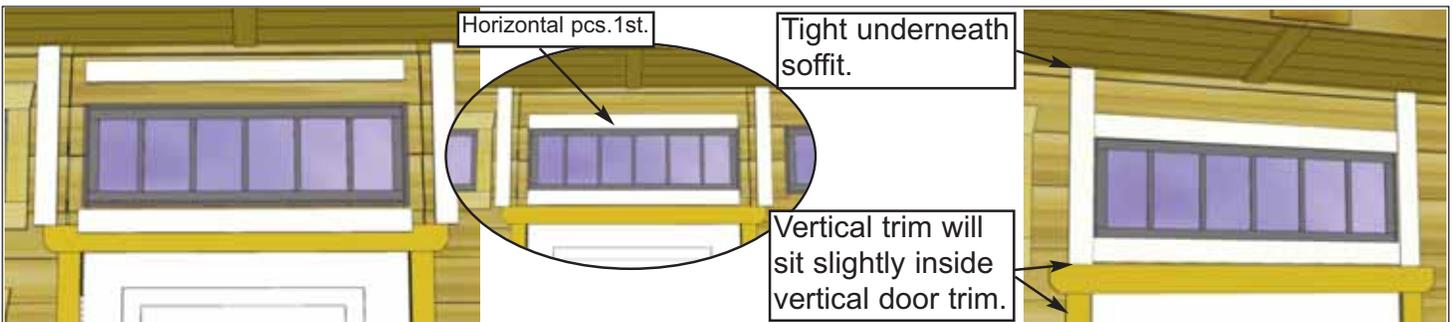
Hardware
(N1 - 1 1/2" Finishing Nails) x 32 total



95. Position **4AL - Transom Window Trim** around window, doing a dry run first. Attach with as per **Step 94** with **4 - 1 1/2" Finishing Nails** per large piece and **2 - 1 1/2" Finishing Nails** per short piece. Complete other side window.

Parts
4AL - Transom Window Trim
 (1 Top piece - 41" angle ends) x 2
 (2 Side pieces - 10 5/8" sq.cut) x 2
 (1 Bottom piece - 40" sq.cut) x 2

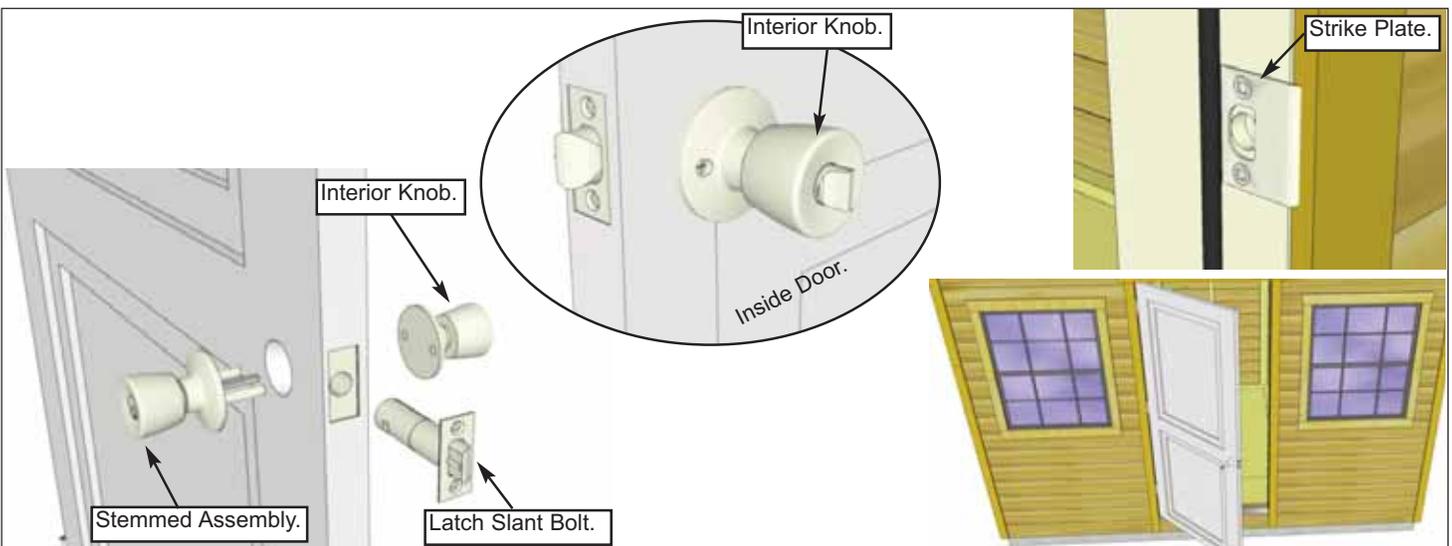
Hardware
N1 - 1 1/2" Finishing Nails
 x 24 total



96. Position **4AM - Center Transom Window Trim** around window doing a dry run first. Attach horizontal trim first and then the verticals with **4 - 1 1/2" Finishing Nails** per piece.

Parts
4AM - Center Transom Window Trim
 (Top & Bottom pieces - 35 3/4" sq. cut) x 2
 (Side pieces - 20 1/2" sq.cut) x 2

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



97. Locate Door Knob Package. Included in the package will be the **Stemmed Assembly, Interior Knob, Latch Slant Bolt, Strike Plate** and **Screws** (Phillips Head Screw Driver Required). Insert Latch with Slant Bolt facing to the interior of the shed. Install Stemmed Assembly. Install Interior Knob with screws (Robertson Screw Driver may be required). Install Strike Plate on Door Casing. Open and close door and make any adjustments necessary.



Congratulations on assembling your 12x8 Studio 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 assembling your 12x8 Studio 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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