12x16 SunShed Garden Shed with Metal Roof Assembly Manual

Revision #1.2
August 31, 2022

Thank you for purchasing an 12x16 SunShed Garden Shed from Outdoor Living Today. 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 and normal residential use, on level ground. Please follow the instruction manual when building your shed and retain the manual for future maintenance purposes.

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

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

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

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

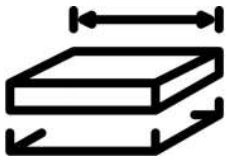
What to do before my Shed arrives?

- Become familiar with this assembly manual and determine if you can complete the project yourself or will require a professional contractor.

- One helper is recommended to assist in constructing your shed.
  It generally takes two people 3 to 4 days to assemble a shed. If you're hiring a contractor, their rate should be in line with that duration of work.

- Clear the construction area and ensure a clear pathway for delivery when the freight company arrives. Remove all debris: roots, grass, rocks, etc.

- Excavate the site. Contact your local utilities company to ensure there are no gas or electric lines buried in the area before digging.

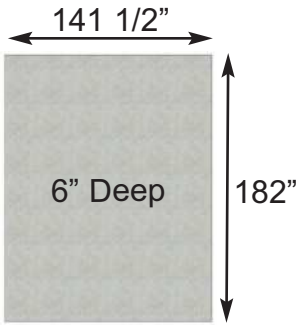


- Decide on the type of foundation you will be using:
  - Concrete slab, or
  - 4-6 inches of crushed gravel with paver stones or 4x4 stringers.

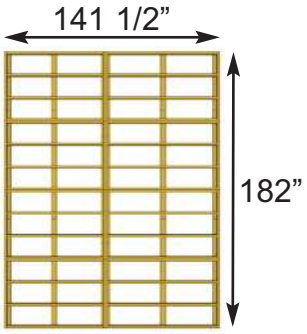
  You can find the footprint for your shed on Page 3 of your Assembly Manual.

- If doing the assembly yourself, have all the necessary tools ready to go and in working condition. A list of required tools can be found after the parts list.

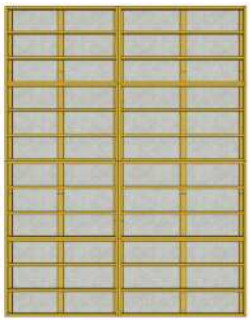
Foundation Types for 12x16 Garden Shed



Concrete Foundation



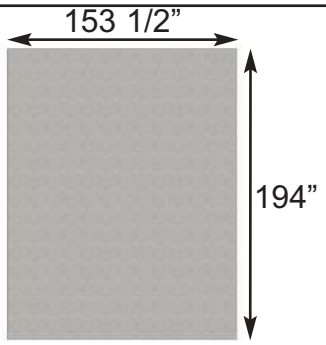
Floor Frame



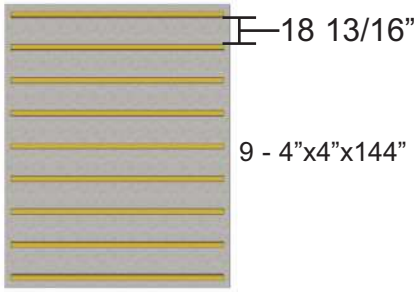
Completed Foundation

Concrete Slab Foundation:
- Slab must be at least the same size as assembled floor frame (141 1/2” x 182”) or larger.
- 6” Deep foundation.
- 3.4 Cubic Yards of concrete required.
- A concrete slab will have the longest durability out of your foundation options.

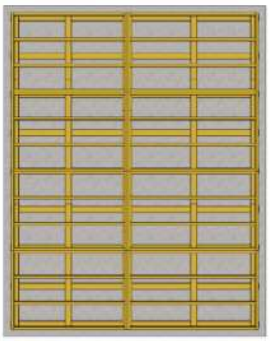
Once level, a concrete slab is the easiest surface to build on.



Gravel Foundation



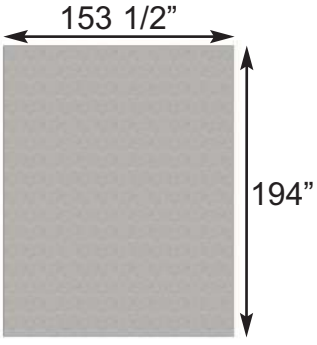
Gravel Foundation with treated stringers



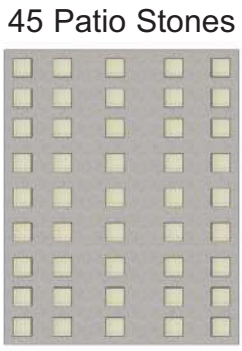
Completed Foundation

Gravel with 4x4 Pressure Treated Stringers:
- Excavate at least 6” deep, and 6” wider than floor frame on each side.
- 3.9 Cubic Yards of gravel required, approximately 36 wheelbarrows.
- 9 - 4x4 Pressure Treated Stringers 12’ long required.
- Evenly spaced, with one at each end of floor frame.

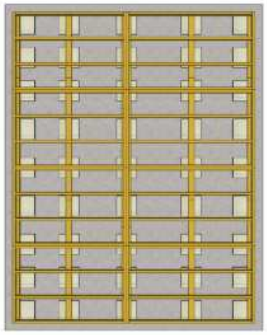
Saves money on materials, easy to level and work with.



Gravel Foundation



Gravel Foundation with Patio Pavers



Completed Foundation

Gravel with Patio Paver Stones:
- Excavate at least 6” deep, and 6” wider than floor frame on each side.
- 3.9 Cubic Yards of gravel required, approximately 36 wheelbarrows.
- 45 patio pavers (8” x 8” or larger).
- Center patio paver stones underneath floor runners and underneath seams in floor joists.

Patio paver stones are widely available from most landscape stores.

Thank you for purchasing our 12x16 Sunshed Garden Shed.
Please take the time to identify all the parts prior to assembly.

1. Floor Section Parts List - Page 4-5	Steps ↓
Floors	
4 - 45 1/2” x 75” - Floor Joist Frames - Large 4 - 45 1/2” x 66 1/2” - Floor Joist Frames - Small 8 - 1 1/2” x 3 1/2” x 72” - Floor Joists Large - Unattached 8 - 1 1/2” x 3 1/2” x 63 1/2” - Floor Joists Small - Unattached 2 - 1 1/2” x 5 1/2” x 56” - Wide Floor Runner 1 - 1 1/2” x 5 1/2” x 70” - Wide Floor Runner 4 - 1 1/2” x 3 1/2” x 38” - Floor Runners 8 - 1 1/2” x 3 1/2” x 72” - Floor Runners 4 - 5/8” x 45 1/2” x 75” - Floor Plywood Large 4 - 5/8” x 45 1/2” x 66 1/2” - Floor Plywood Small	1 - 11
2. Wall Section	**Steps ↓**
Main Wall Panels	
4 - 45 1/2” x 81 3/4” - Solid Wall Panels 1 - 45 1/2” x 81 3/4” - Solid Wall Panel With Extra Vertical Studs 5 - 1 1/2” x 2 1/2” x 45 1/2” - Bottom Wall Plates 4 - 45 1/2” x 81 3/4” - Window Wall Panels 4 - 45 1/2” x 81 3/4” - Double Window Walls 1 - 12” x 73” - Narrow Wall Panel	12 - 20
Door Headers	
1 - 1 1/2” x 3 1/2” x 73” - Vertical Door Jamb 1 - 1 1/2” x 2 1/2” x 45 1/2” - Door Header Riser 1 - 1 1/2” x 7 1/4” x 45 1/2” - Door Header 2 - 1/2” x 7 1/4” x 45 1/2” - Door Header Spacer 1 - 45 5/8” long - Drip Edge with Bevel Siding attached	21 - 26
Top Wall Plates & Gables	
4 - 1 1/2” x 2 1/2” x 70 3/4” - Front & Rear Riser Plates 4 - 1 1/2” x 2 1/2” x 88 1/2” - Side Riser Plates 4 - 3/4” x 2 1/2” x 45” - Front & Rear Top Plates (angle cut ends) 2 - 3/4” x 2 1/2” x 51 1/2” - Front & Rear Top Plates (straight cut ends) 2 - 3/4” x 2 1/2” x 45 1/2” - Side Top Plates (angle cut edge) 4 - 3/4” x 2 1/2” x 65 3/4” - Side Top Plates (angle cut edge) 4 - Triangular Gable Walls (end tip tucked inside)	27 - 32
3. Rafter and Roof Section	**Steps ↓**
Rafter Assembly	
3 - 3/4” x 9 1/4” x 91” - Roof Ridge Boards 2 - 3/4” x 9 1/4” x 45 1/2” - Roof Ridge Boards 24 - 1 1/2” x 3 1/2” x 80 7/8” - Roof Rafters (angle cut ends) 4 - 1/2” x 4 1/2” x 91” - Soffits 4 - 3/4” x 80” x 19 3/4” - Triangular Roof Gussets 12 - 3/4” x 3/4” x 48” - Polygal Support Cleats Long 4 - 3/4” x 3/4” x 38” - Polygal Support Cleats Short	33 - 49
Roof	
16 - 3/4” x 3 1/2” x 48” - Outside Roof Battens 16 - 3/4” x 3 1/2” x 45 1/2” - Inside Roof Battens 8 - 3/4” x 1 1/2” x 15 3/4” - Batten Spacers Long 4 - 3/4” x 1 1/2” x 13 1/2” - Batten Spacers Short 6 - 86” long - Metal Roof Panels Long 6 - 41” long - Metal Roof Panels Short Several - Foam Enclosures for Metal Roof 4 - 60” long - Metal Ridge Caps 8 - 48” long - Polygal Panels	50 - 69

Continued on next page

4. Trim & Miscellaneous Section	Steps ↓
Outer Wall Trim & Dutch Door	
14 - 1/2” x 4 1/2” x 45 1/4” - Bottom Skirting (Bevel) 1 - 1/2” x 2 1/2” x 79” - Narrow Door Trim 1 - Dutch Door with Hardware 8 - 3/4” x 1 1/2” x 45 1/4” - Top Wall Trims 4 - 3/4” x 2 1/2” x 81 3/4” - Filler Trims 10 - 1/2” x 2 1/2” x 87” - Side Trims 4 - 1/2” x 5 1/2” x 90” - Wide Corner Trims 2 - 1/2” x 2 1/2” x 85” - Rear Wall Trims 2 - 1/2” x 5 1/2” x 44” - Outside Polygal Ridge Caps 3 - 1/2” x 4 1/2” x 44” Center Polgal Ridge Caps 4 - 1/2” x 2 1/2” x 44” Mid Polygal Ridge Caps	**70 - 83**
Facia Trim	
2 - 3/4” x 1 1/2” x 36 1/2” - Facia Cleat Short 4 - 3/4” x 1 1/2” x 40” - Facia Cleat Long 4 - 3/4” x 5 1/2” x 81 1/4” - Front and Rear Facia Angled 4 - 3/4” x 5 1/2” x 49 1/2” Side Facia 2 - 3/4” x 5 1/2” x 89 1/4” - Side Facia 2 - 1/2” x 3 1/2” x 85” - Door Trims 1 - 1/2” x 2 1/2” x 8” - Horizontal Door Trim 1 - 1/2” x 2 1/2” x 32” - Horizontal Door Trim 2 - 3/4” x 4 1/2” x 42” - Horizontal Gable Trims - Bevel 4 - 3/4” x 4 1/2” x 45 1/4” - Horizontal Gable Trims - Bevel 2 - 9 1/2” x 7 1/2” - Pentagon Detail Plates 8 - 8” x 5 1/2” Facia Detail Plates	**84- 92**
Miscellaneous	
2 - 1/2” x 2 1/2” x 72” - Interior Vertical Door Stops 1 - 1/2” x 2 1/2” x 36” - Interior Horizontal Door Stop 4 - Regular Window Inserts 8 - Narrow Window Inserts 4 - Regular Window Trim Pkgs 8 - Narrow Window Trim Pkgs 8 - Flower Box Kits 4 - 16” x 45” - Long Potting Shelves 1 - 16” x 41” Short Potting Shelf 9 - 1 1/2” x 2 1/2” x 38” - Potting Shelf Legs 1 - Extra Lap Siding 1 - Spare Wall Siding 2 - Spare Shingles - use to shim door, etc	**93 - 98**

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

12x16 SUNSHED WITH METAL ROOF HARDWARE SHEET

Hardware Kit (Provided)

2 1/2" 450 pcs

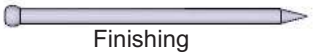
2" 230 pcs

1/4"x 2" x 73

Metal Roof Screw

1 1/4" 560 pcs

1 1/2" 700 pcs Finishing



2" 28 pcs Black Headed

2 pcs Square Drive Bit

1/4" Nut Driver

1" 72 pcs Silver

3/4" 24 pcs Silver

3/4" 20 pcs Black Headed

Metal Roof Hanger x 6

Tee Hinge x4

Pull Handle x 1

Black Drop Latch

Double Rafter Bracket x 6 (22°)

Single Rafter Bracket x 8 (22°)

Silver Barrel Bolt

x 4 Silicon Caulking

Ridge Board Connector x 3

Tools Required (Not Provided)

Hammer

Screw Gun/Drill

Tape Measure

Wood Clamp

Caulking Gun

Level

Pliers

Ladder

1/8" Drill Bits

Safety Equipment Required (Not Provided)

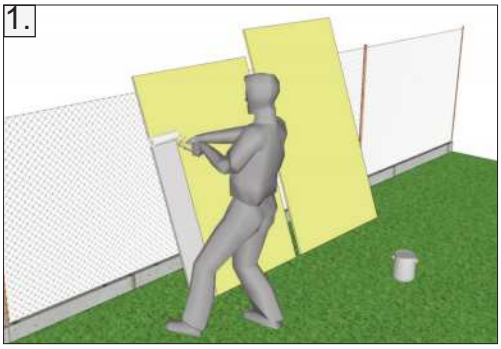
Safety Glasses

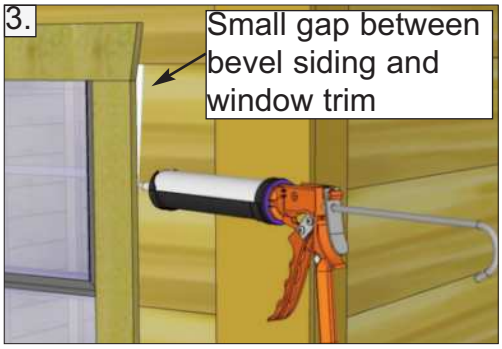
Work Gloves

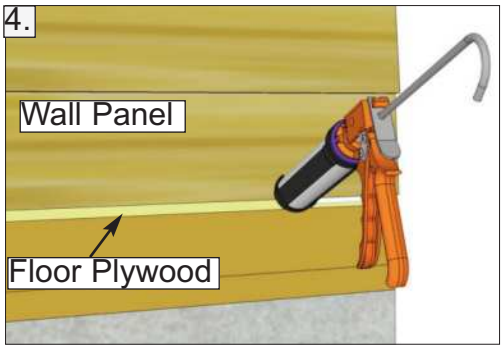
Regular Maintenance & Tips to prolong the life of your shed.

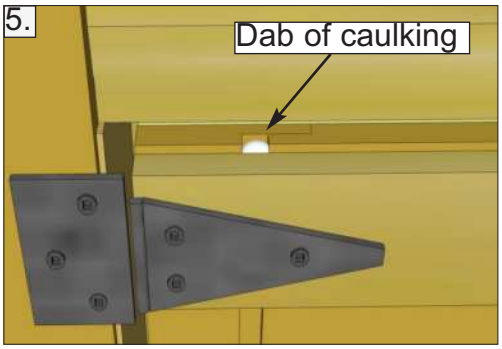
Before/During Assembly:

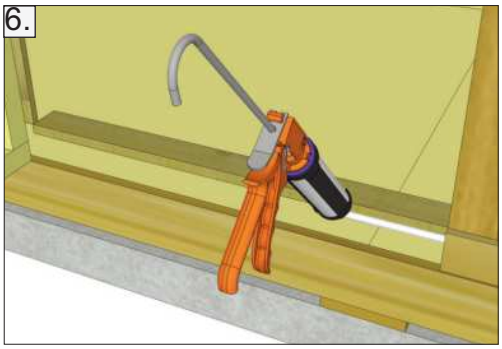
1.) Paint each face and edge of your plywood floor with a latex exterior paint.
2.) Caulk wall seams if gaps appear.
3.) Caulk around window framing.
4.) Caulk perimeter between floor plywood and bottom wall plate.
5.) Caulk channels in lap siding at the top of your door above the trim, just a drop in each channel.
6.) Caulk edge of door threshold (if applicable).
7.) Optional: Install a Sill Gasket between floor runners and foundation.
8.) Optional: Install an 8” strip of roofing paper below Cedar Ridge Caps for Cedar Roof Sheds.

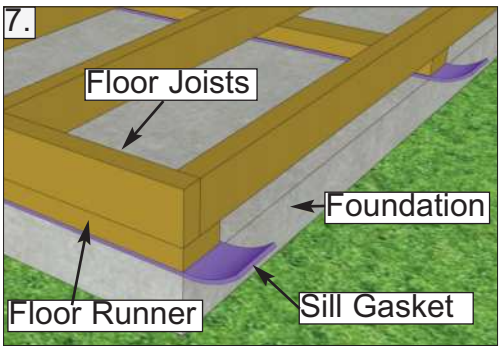


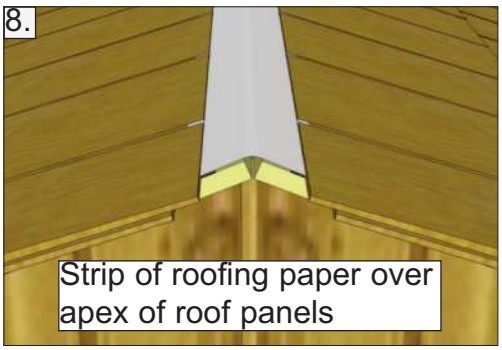












Routine Maintenance:

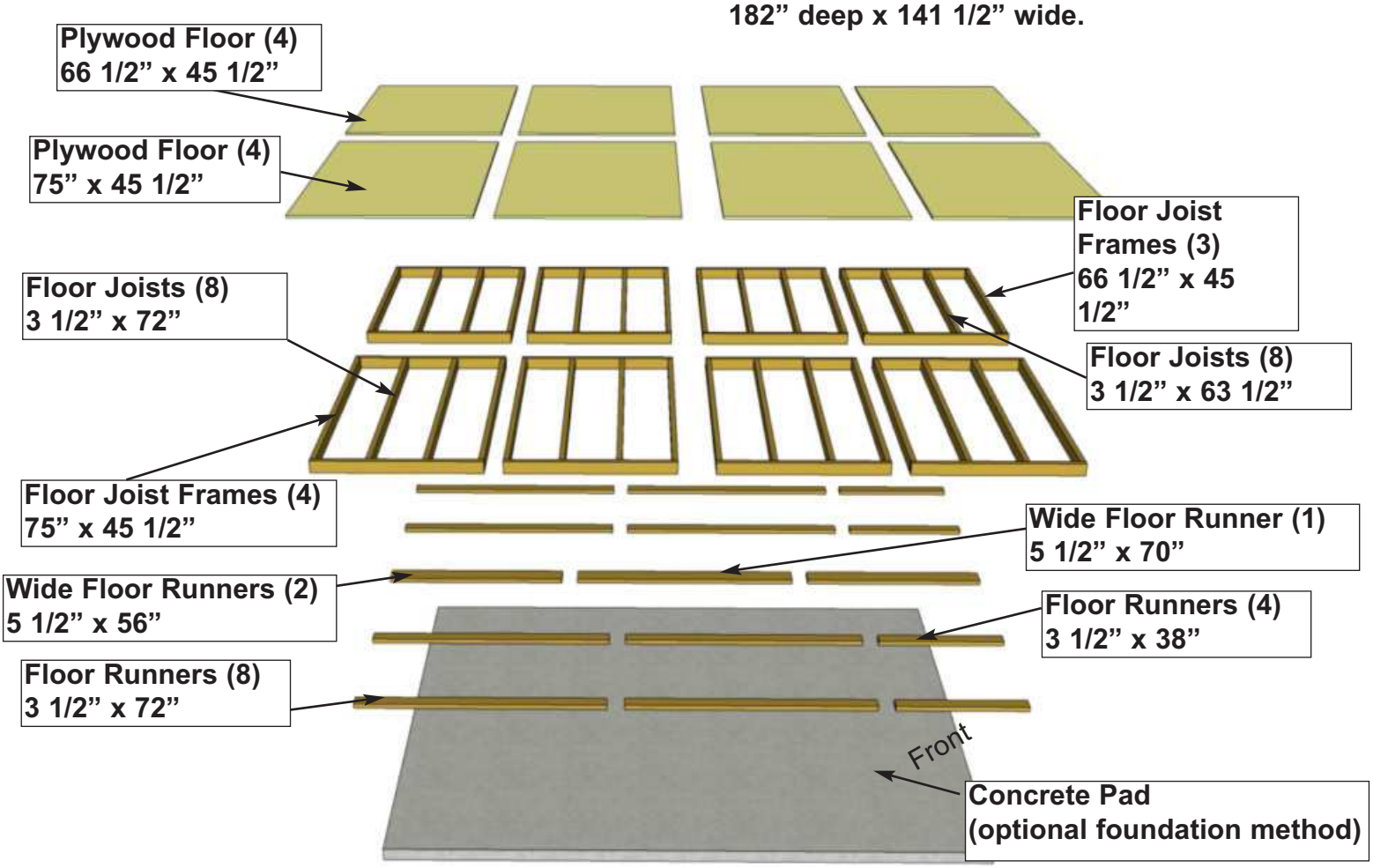
- Routinely check all fasteners are tight (ex. Door Hinges, Nails)
- Brush off dirt from walls.
- Brush off snow from roof regularly.
- Routinely remove needles and leaves from roof.

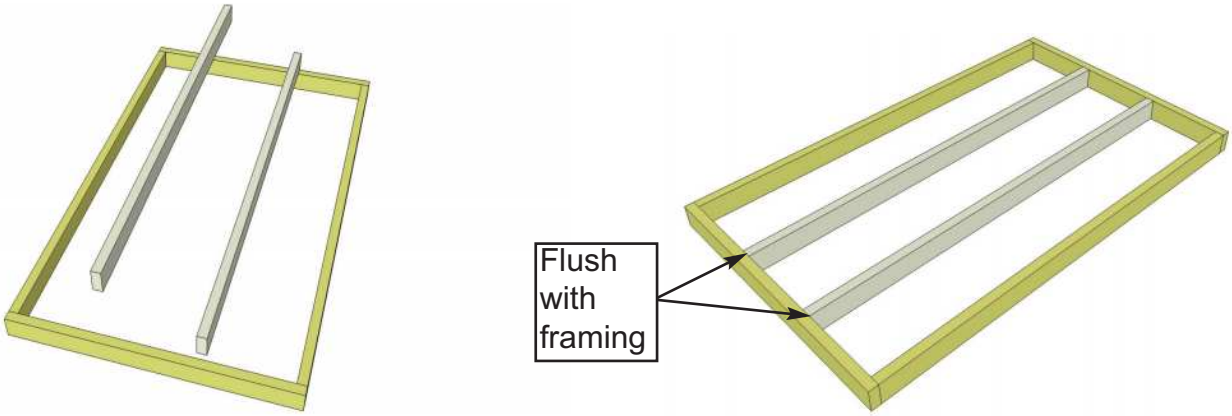
Painting/Staining

- Your cedar shed, if left untreated, will weather to a silvery grey colour.
- Painting or staining your structure is highly recommended and will prolong the life of your shed.
- You do not need to wait to paint or stain your shed, the wood in your kit has been dried and can be stained or painted immediately.
- Consult your local paint store for the best paint or stain for cedar.
- Optional: stain the inside of your shed. (Note: this will remove the fresh cedar smell.)

A. Floor Section

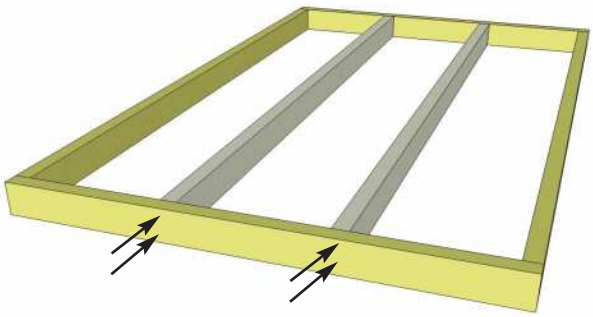
Exploded view of all parts necessary to complete Floor Section. Identify all parts prior to starting. Note, Floor Footprint is 182" deep x 141 1/2" wide.



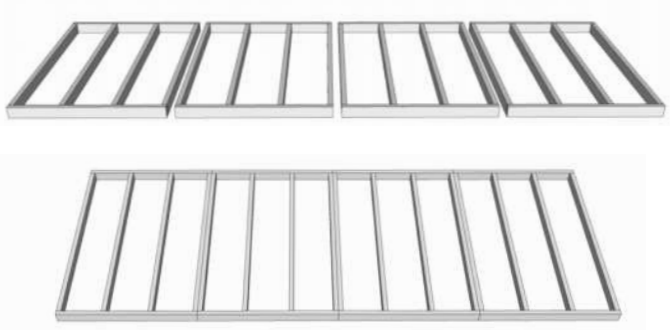


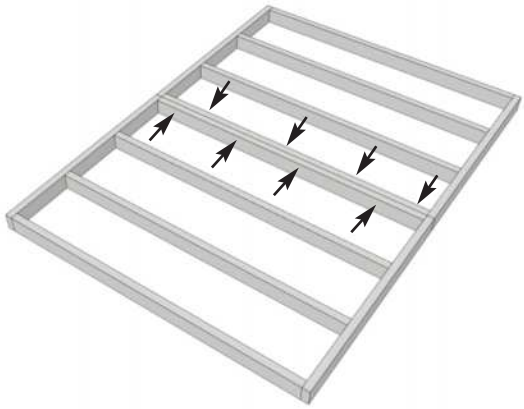
1. Lay out all **Floor Joist Frames and Floor Joists** on ground as illustrated above. Position 72" Floor Joists in 75" frames and 63 1/2" Floor Joists in 66 1/2" frames. Position Joists equally in Floor Joist Frame. Position Joist so flush with framing.	Parts (Steps 1 - 3) **Floor Joists - Large** (1 1/2" x 3 1/2" x 72") **x 8** **Floor Joists - Small** (1 1/2" x 3 1/2" x 63 1/2") **x 8** **Floor Joist Frames - Large** (45 1/2" x 75") **x 4** **Floor Joist Frames - Small** (45 1/2" x 66 1/2") **x 4**	Hardware (Steps 1 - 3) **S1 - 2 1/2" Screws** x 58 total

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

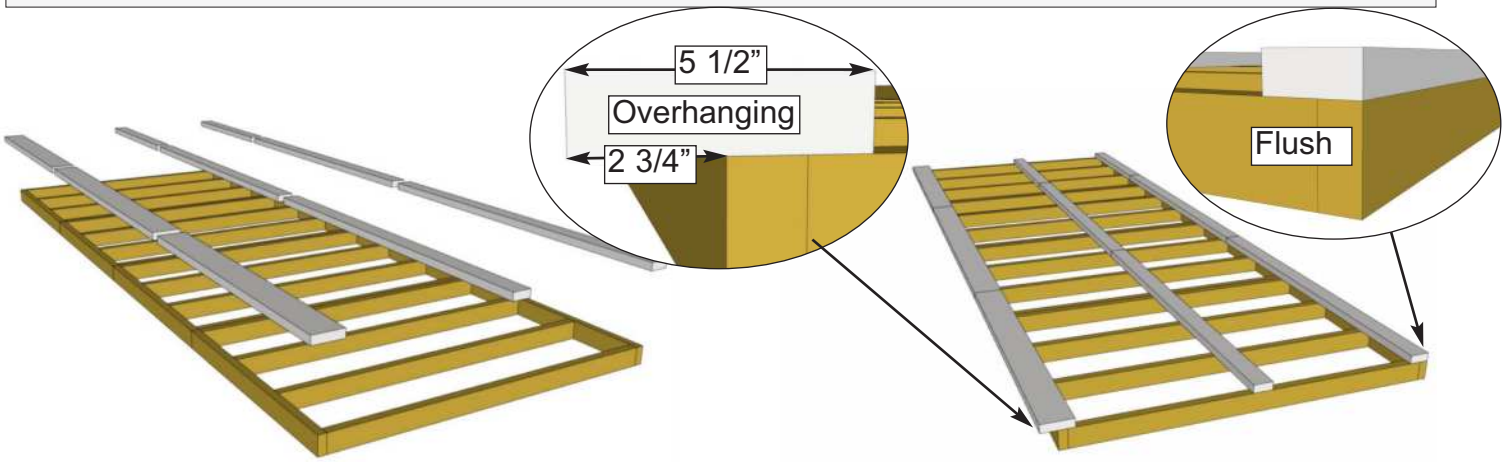


2. When correctly positioned, attach each Joist with **4 - 2 1/2”** screws (2 per end). Complete all Floor Frame and Joist connections. **You can find the Square Drive Bit for the screws in with the Hardware Kit Bag.**



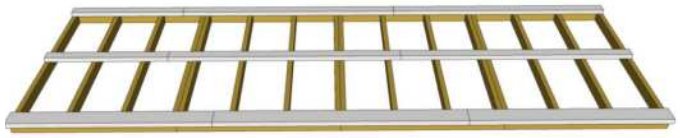


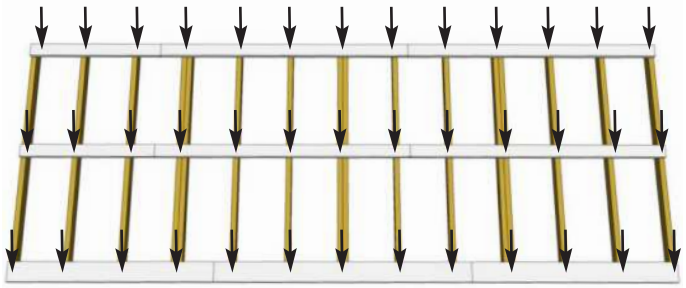
3. Lay out **75” Floor Frames** as shown above. Attach each completed frame to the next with **8 - 2 1/2” screws** (24 Total). Once complete assemble 66 1/2” Floor Frames the same way.



4. Locate **Floor Runners** and **Wide Floor Runners**. Lay out **Floor Runners** above **Completed Floor Frame** section as shown above. The **3 1/2” wide Floor Runner** should be flush with the edge of the floor frame. **5 1/2” wide Floor Runner** should overhang the edge of the floor Frame by 2 3/4”. Third set of Floor Runners should be centered on Floor Frame.

Parts (Steps 4 - 9)	Hardware (Steps 4 - 9)
Wide Floor Runners (1 1/2” x 5 1/2” x 56”) **x 2** **Wide Floor Runner** (1 1/2” x 5 1/2” x 70”) **x 1** **Floor Runners** (1 1/2” x 3 1/2” x 38”) **x 4** **Floor Runner** (1 1/2” x 3 1/2” x 72”) **x 8**	**S1 - 2 1/2” Screws** x 116 total

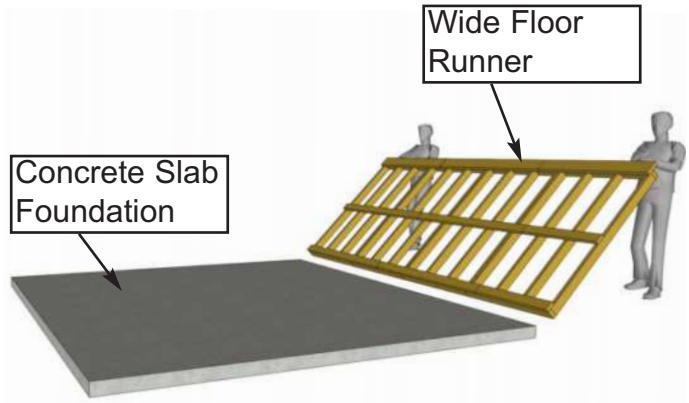


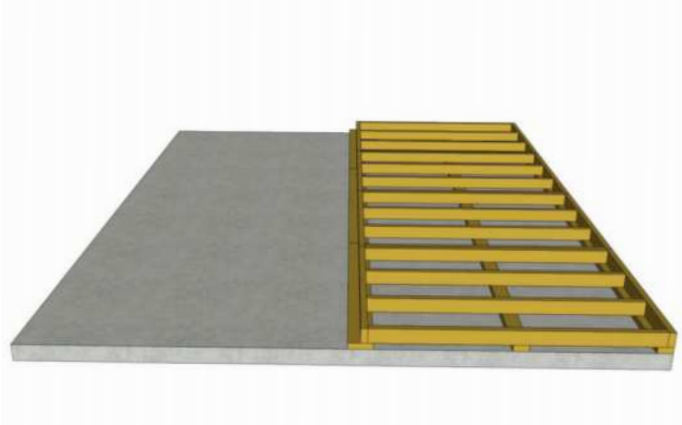


5. Attach **Floor Runners** to **Floor Frames** with **13 - 2 1/2" screws** per completed runner length (**39 Total**). For **Wide Floor Runner** use 4 screws in the 56" pieces and 5 screws in the 70" piece. For the 3 1/2" **Floor Runner** use 5 screws for the 72" pieces and 3 screws for the 38" pieces.

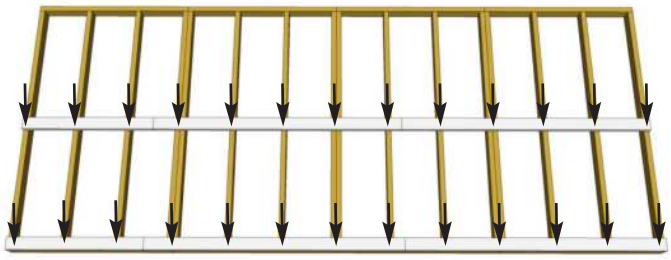
Foundations

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

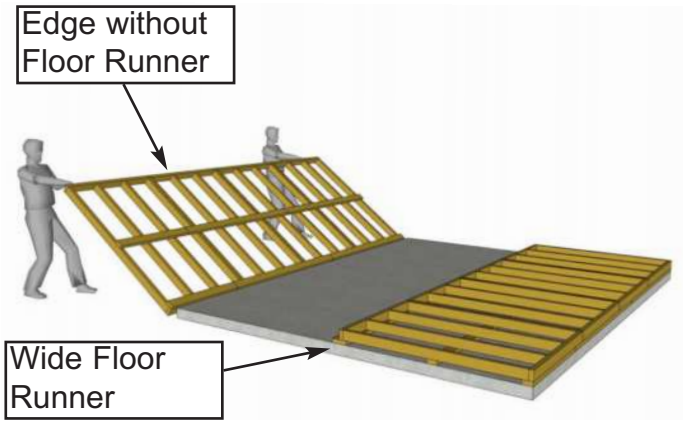


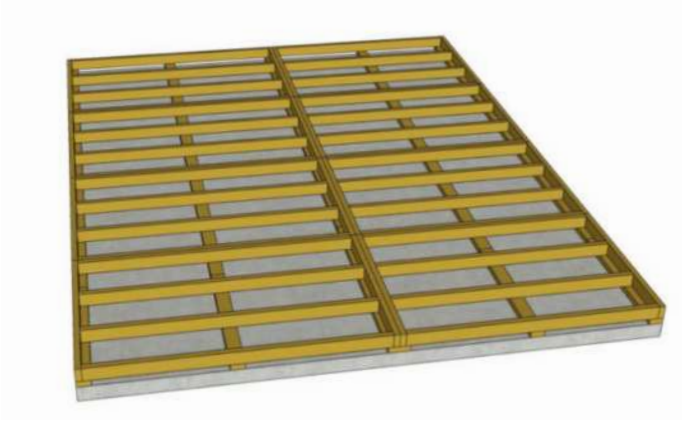


6. With some helpers, flip the floor section over so it rests on your foundation. **Wide Floor Runner** should rest in the center of your foundation.**Caution:** you will need 2 people to assist you. Be careful when laying floor down not to bend or twist floor. When in place, level floor completely.

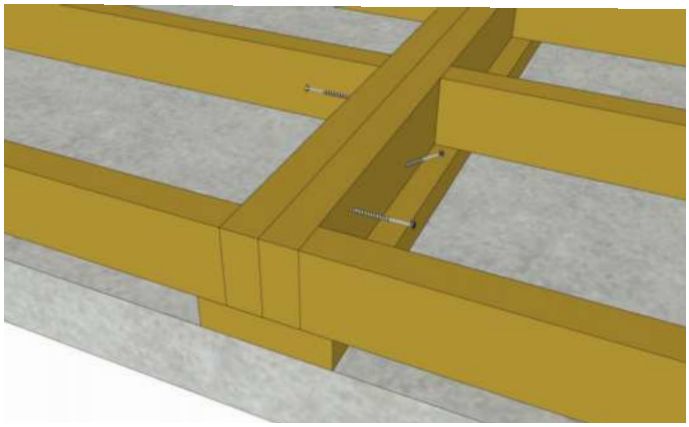


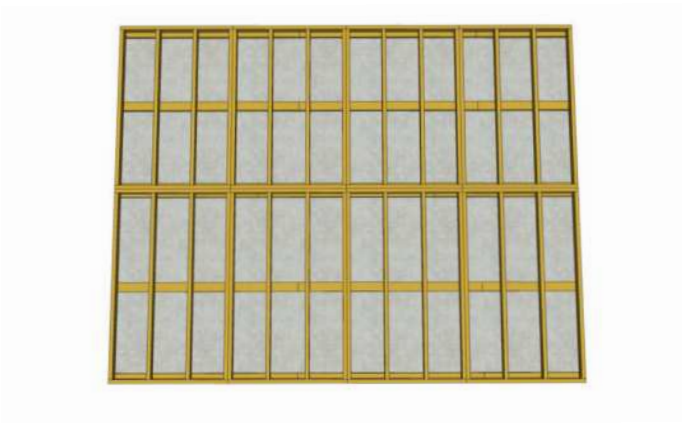
7. Lay out Remaining **Floor Runners** on second floor frames (4x 72" Runners and 2x 38" Runners). Attach reamining runners with a total of **26 - 2 1/2" screws** as per **Step 5**.



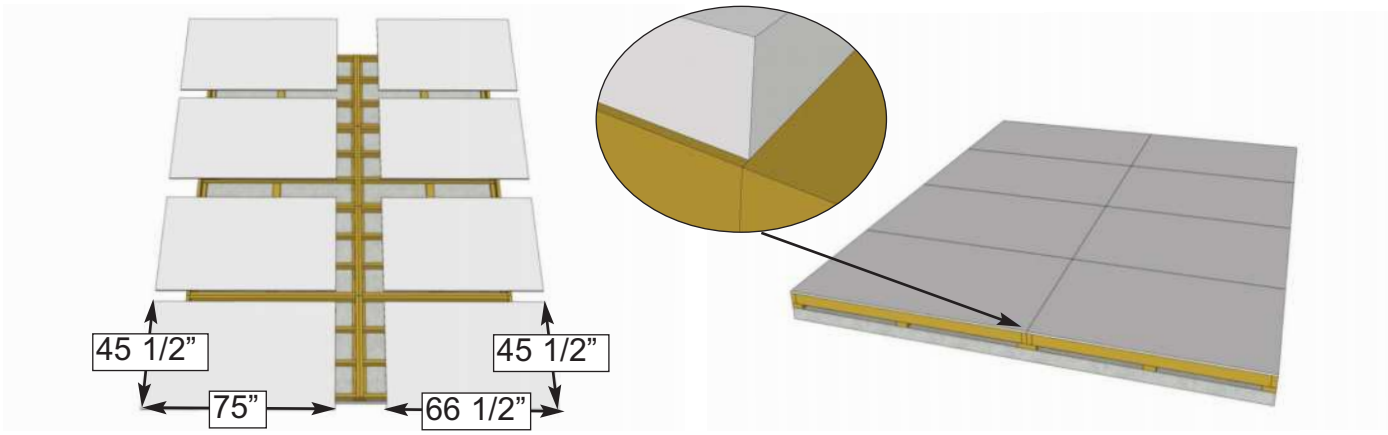


8. With a helper, flip remaining floor section over onto your foundation. Edge of frame without floor runner should land on wide floor runner.



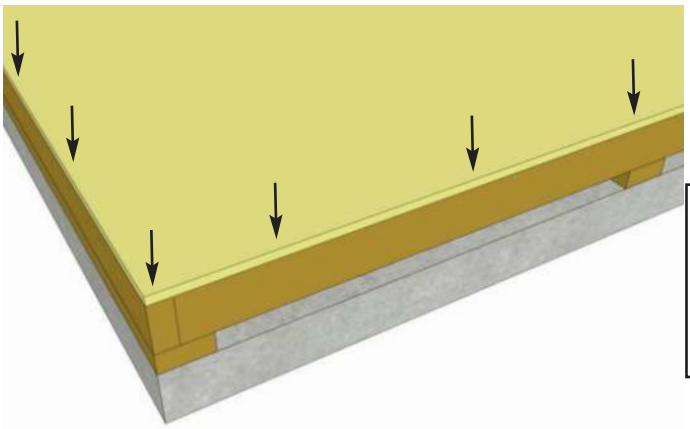


9. To attach floor sections together attach each **75" Frame** to **66 1/2" Frame** with **3 - 2 1/2" screws** (**36 Total**).Use 2 screws on both sides to attach horizontally. On the 66 1/2" Frame side toenail one screw into the **Wide Floor Runner**.

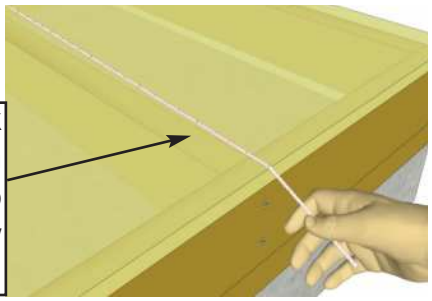


10. Position **Plywood Floor** pieces (8) on top of completed **Floor Joists**. Plywood will sit slightly back from edge of **Floor Joist Framing**.

Parts (Steps 10 - 11)	Hardware (Steps 10 - 11)
Floor Plywood - Large (5/8" x 45 1/2" x 75") **x 4** **Floor Plywood - Small** (5/8" x 45 1/2" x 66 1/2") **x 4**	**S2 - 1 1/4" Screws** x 120 total

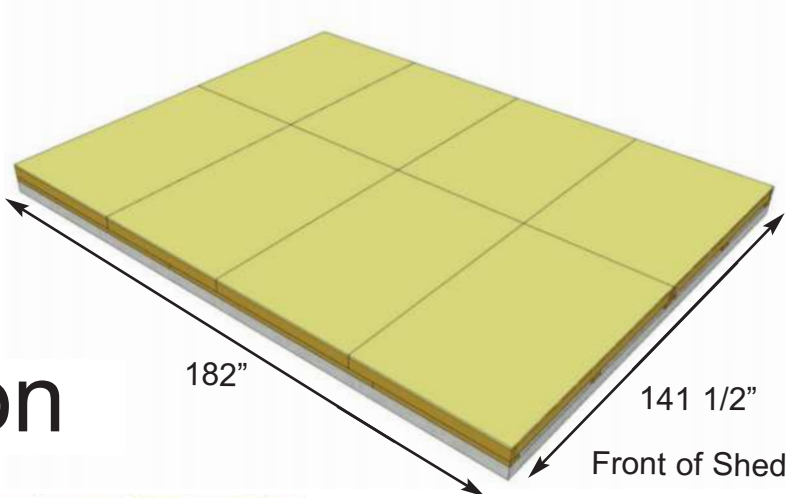


Hint: Use a chalk line to mark location of floor joists to determine screw placement.

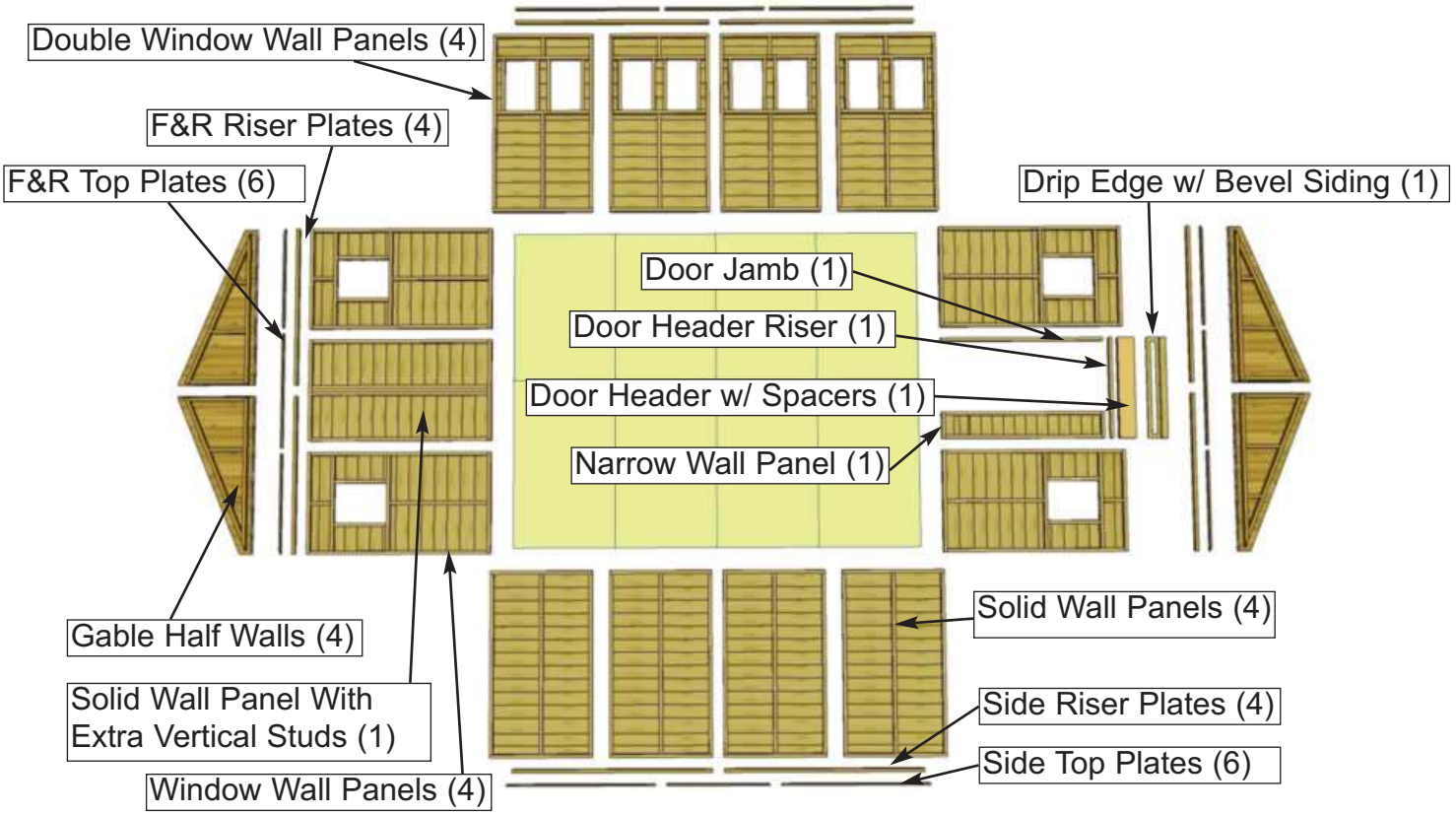


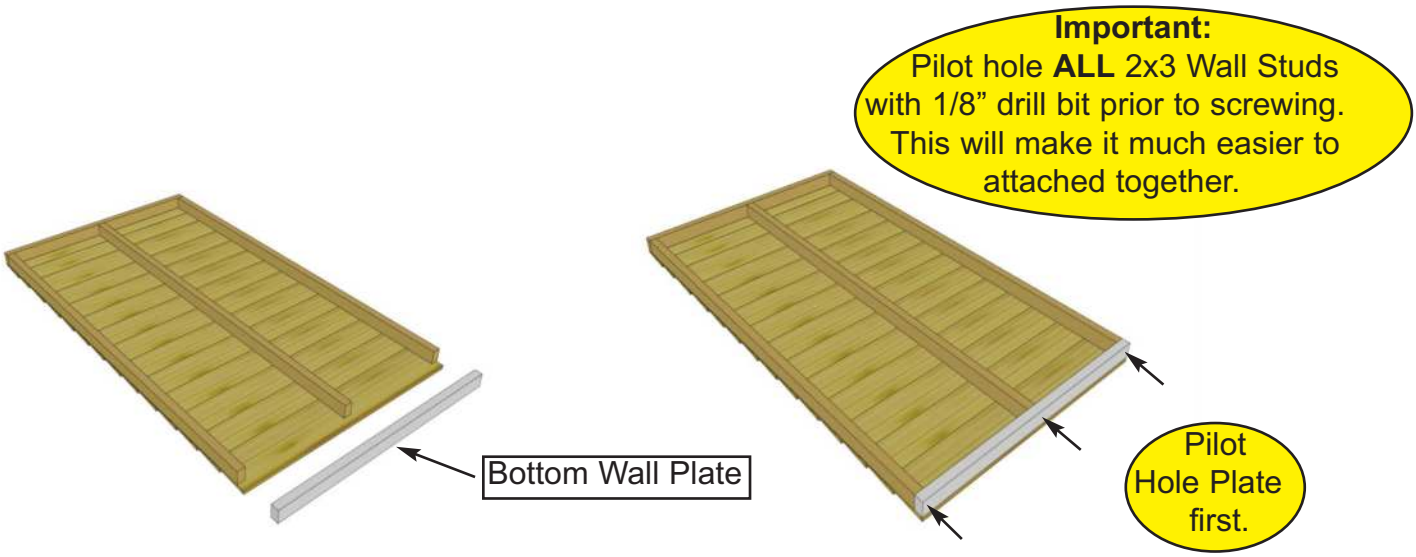
11. With **Floor Plywood** pieces in position, attach **with 1 1/4" screws**. Use screws every 16" (approximately 120 total). The plywood is cut slightly smaller than floor framing. Keep plywood seams tight.

Important: Check to confirm that your floor is level prior to proceeding to the next step of wall assembly.

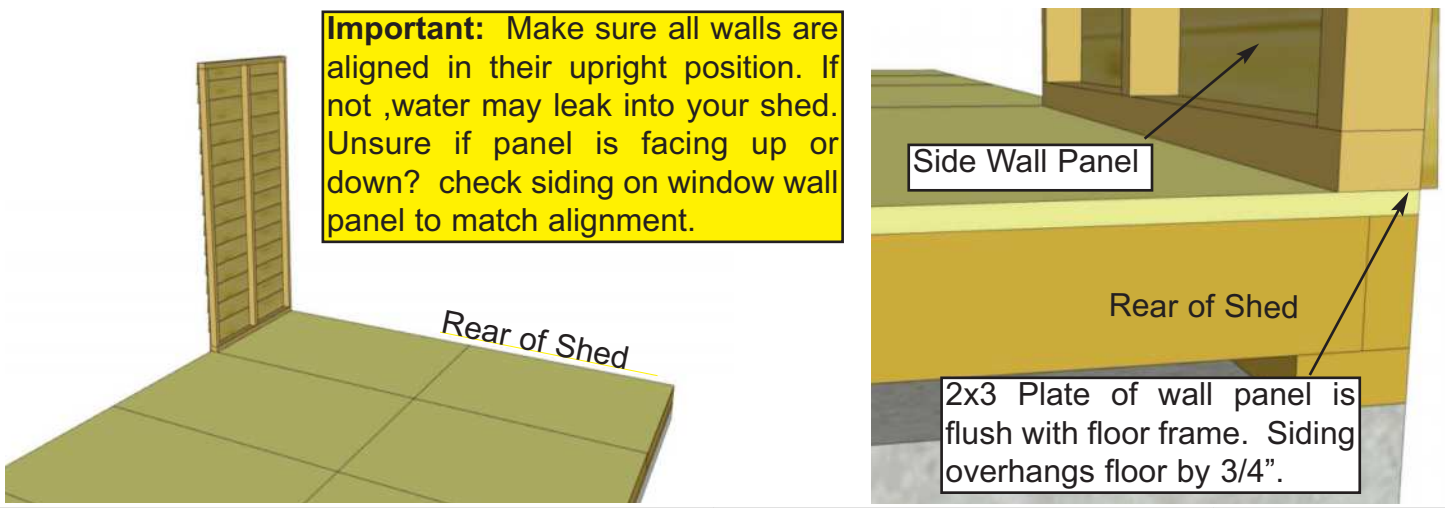


B. Wall Section



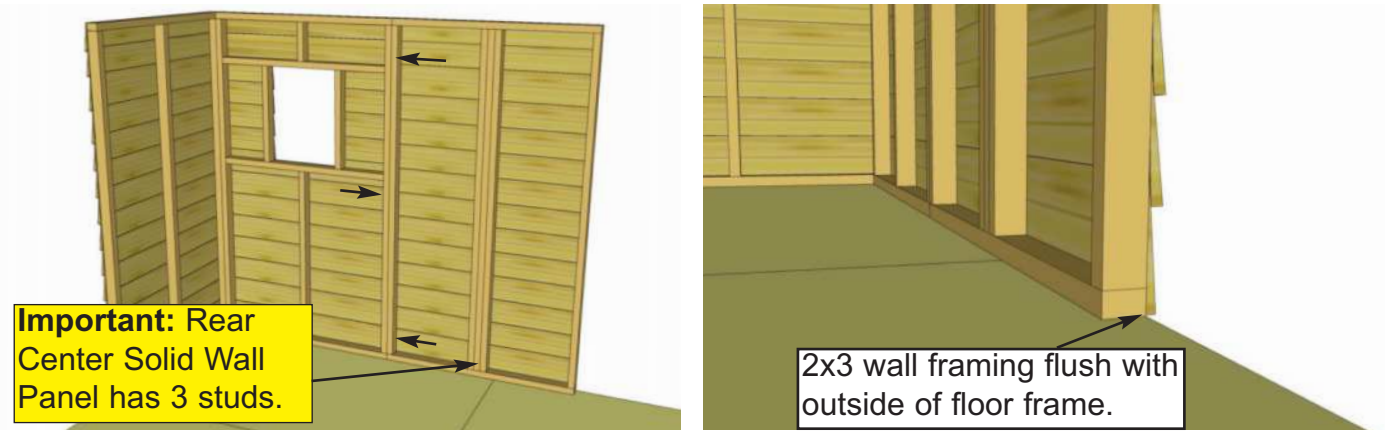


12. Starting with **Solid Wall Panels**, carefully lay panel face down. Position and attach **Wall Plate** to bottom of wall studs of each **Wall Panel** with **3 - 2 1/2" screws**. Position so plates are flush with framing. **Note:** Bottom Wall Plates may already be attached to some Solid Walls.	Parts (Step 12) **Solid Wall Panels** (45 1/2" x 81 3/4") **x 4** **Solid Wall Panel - Extra Studs** (45 1/2" x 81 3/4") **x 1** **Bottom Wall Plates** (1 1/2" x 2 1/2" x 45 1/2") **x 5**	Hardware (Step 12) **S1 - 2 1/2" Screws** x 15 total



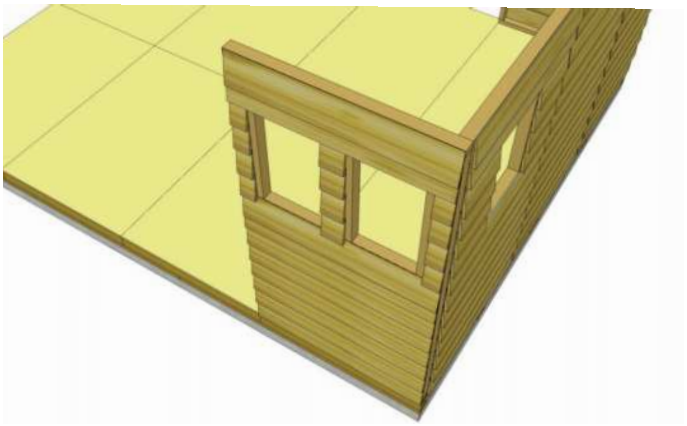
13. Starting at Rear Corner, position a **Solid Wall Wall Panel** on top of plywood floor. Make sure panel is facing up. The **Side Wall Panels** will sit flush with floor frame with the front and rear panels sandwiched between them. **Note:** siding will overhang the floor by approx. 3/4".	Parts (Step 13) **Solid Wall Panels** (45 1/2" x 81 3/4") **x 4** **Solid Wall Panel - Extra Studs** (45 1/2" x 81 3/4") **x 1** **Window Wall Panels** (45 1/2" x 81 3/4") **x 4** **Double Window Walls** (45 1/2" x 81 3/4") **x 4**	Hardware (Step 13) **S1 - 2 1/2" Screws** x 39 total

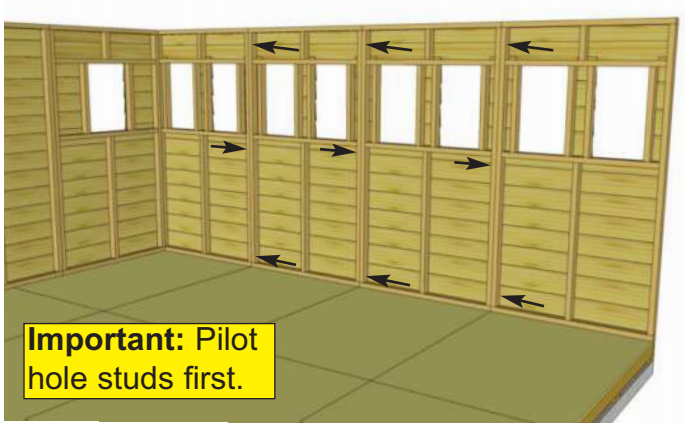
14. Position rear **Window Wall Panel** into place on plywood floor. Butt both vertical wall studs of side and rear walls together and attach with **3 - 2 1/2" screws**. Screw at the bottom, middle and top of stud to secure properly.



15. With the corner wall attachment complete, position a Rear **Solid Wall Panel With Extra Vertical Studs** so bottom 2x3 wall framing is sitting flush with outside floor frame. Wall siding should overhang floor by approximately 3/4". Attach rear wall panel studs together as per **Step 14**.

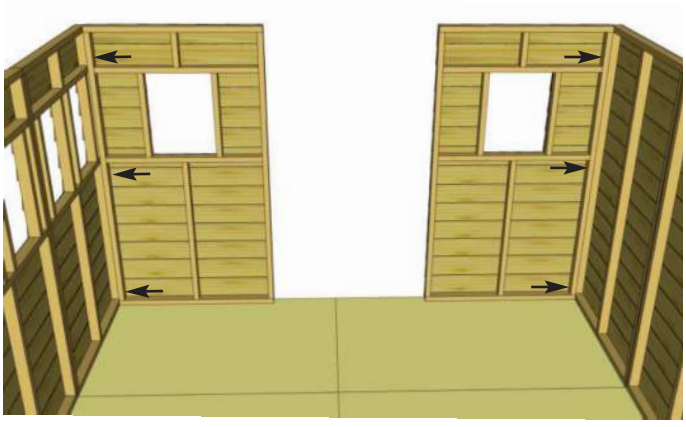
16. Position the final Rear Panel on the floor (**Window Wall Panel**). Position vertical wall studs together and attach as per **Step 14**.



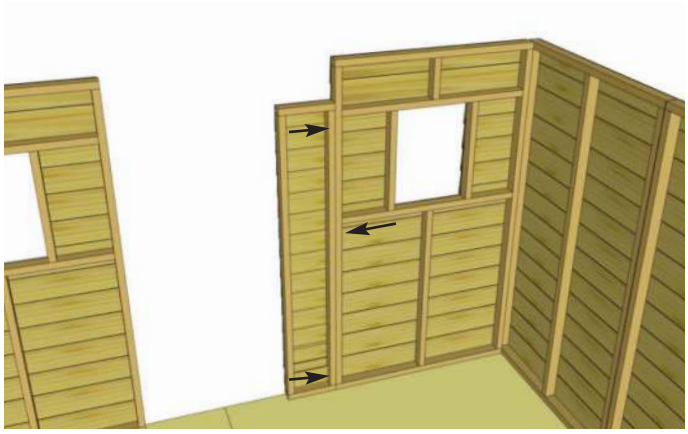


17. Attach a **Double Window Wall Panel** in corner. Attach as per **Step 14**. Start positioning and securing remaining **Double Window Walls**. Attach wall studs together as per **Step 14**.

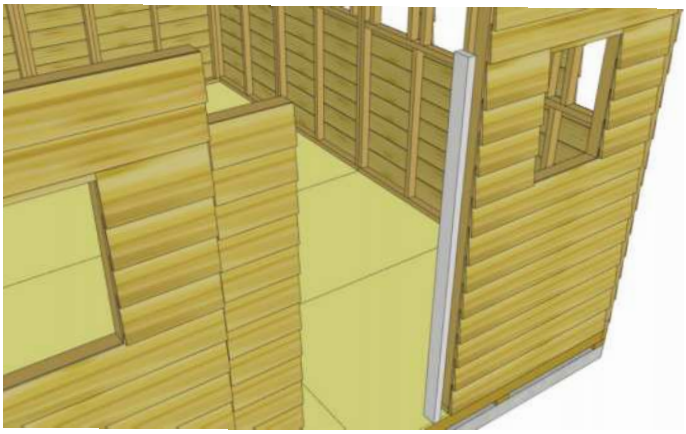
18. Complete attachment of left side **Solid Wall Panels**. At the front of the shed, side walls will sit flush with front floor framing.

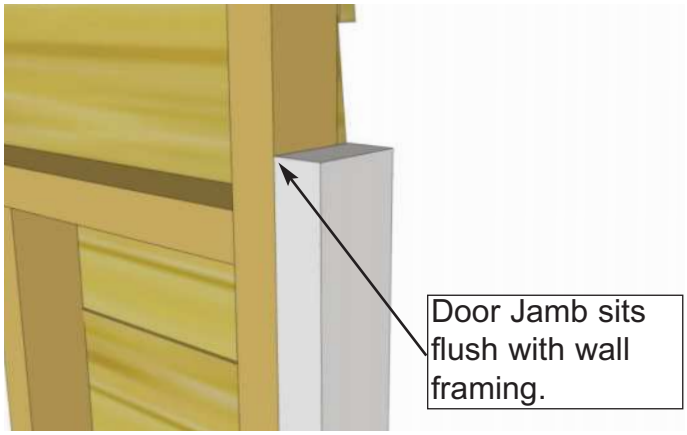


19. Secure remaining two **Window Walls** to both front corners of shed.

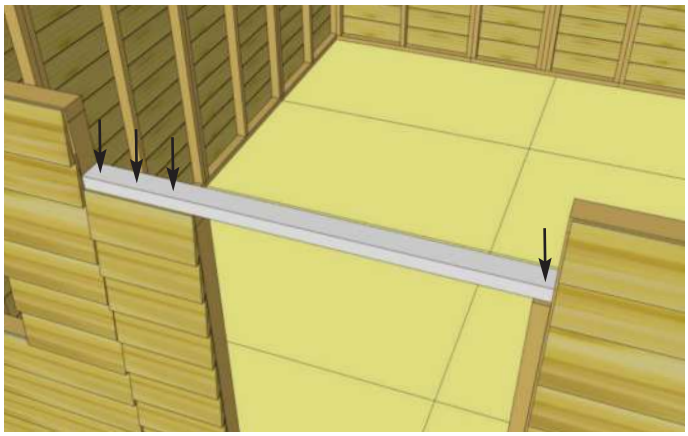


20. Lineup **Narrow Wall** so flush with each other on the outside. Attach Studs together with **3 - 2 1/2" screws** as per **Step 14**. **Note:** Narrow Wall is 73" high (9" shorter than other walls).	Parts (Step 20) **Narrow Wall Panel** (12" x 73") **x 1**	Hardware (Step 20) **S1 - 2 1/2" Screws** x 3 total



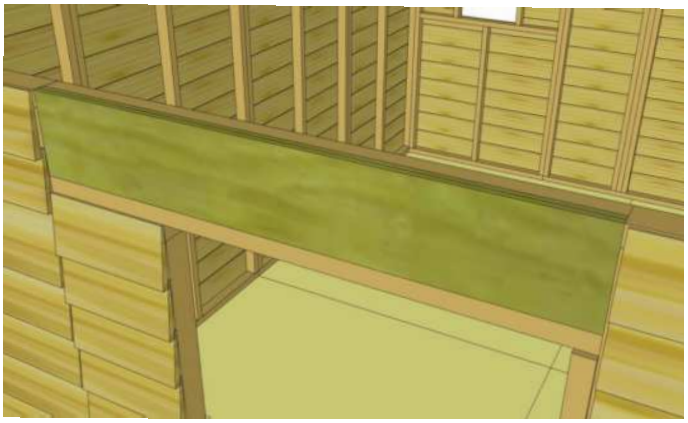


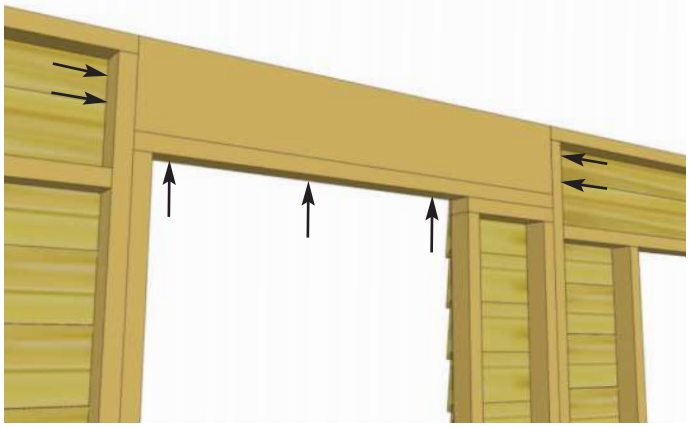
21. Locate **Vertical Door Jamb** and position flush against right wall panel stud. The Jamb is 3 1/2" wide and will sit flush to outside of wall siding. When positioned correctly, secure Jamb using **4 - 2 1/2" screws**.	Part (Step 21) **Vertical Door Jamb** (1 1/2" x 3 1/2" x 73") **x 1**	Hardware (Step 21) **S1 - 2 1/2" Screws** x 4 total



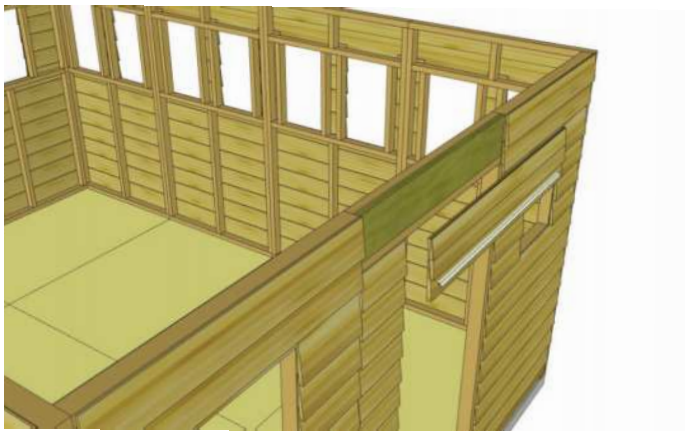
22. Position and attach **Door Header Riser** to **Door Jamb** and **Narrow Wall Panel** top framing. Header should fit flush with **Door Jamb** and Outside of **Narrow Wall** Siding. Attach with 4 - 2 1/2" screws.	Part (Step 22) **Door Header Riser** (1 1/2" x 2 1/2" x 45 1/2") **x 1**	Hardware (Step 22) **S1 - 2 1/2" Screws** x 4 total

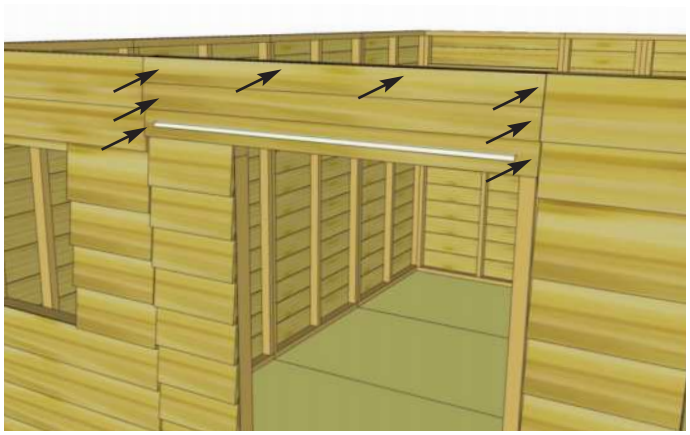
23. Locate **Door Header** and **Door Header Spacers**. Lineup three pieces together so they are flush to creater a larger piece, attach with **6 - 2" screws**.	Part (Step 23 - 24) **Door Header** (1 1/2" x 7 1/4" x 45 1/2") **x 1** **Door Header Spacer** (1/2" x 7 1/4" x 45 1/2") **x 2**	Hardware (Step 23 - 24) **S3 - 2" Screws** x 13 total



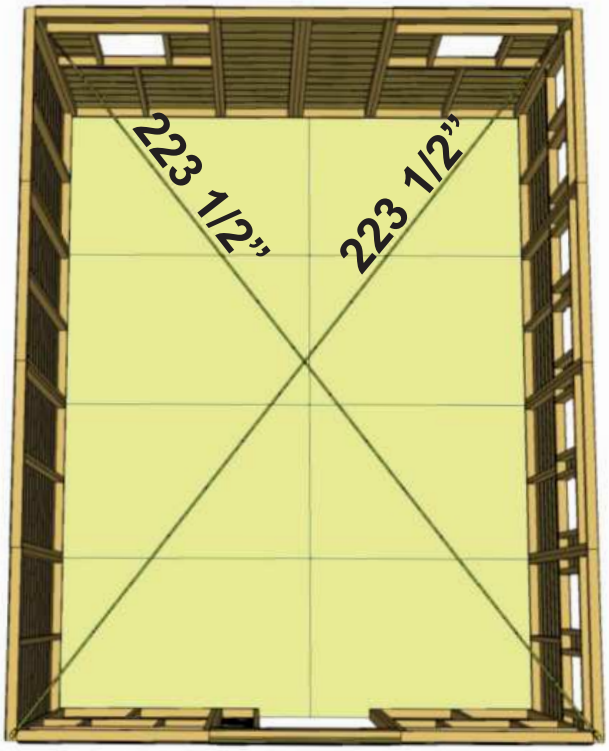


24. Place assembled **Door Header** onto **Door Header Riser** and attach with **7 - 2" screws**.





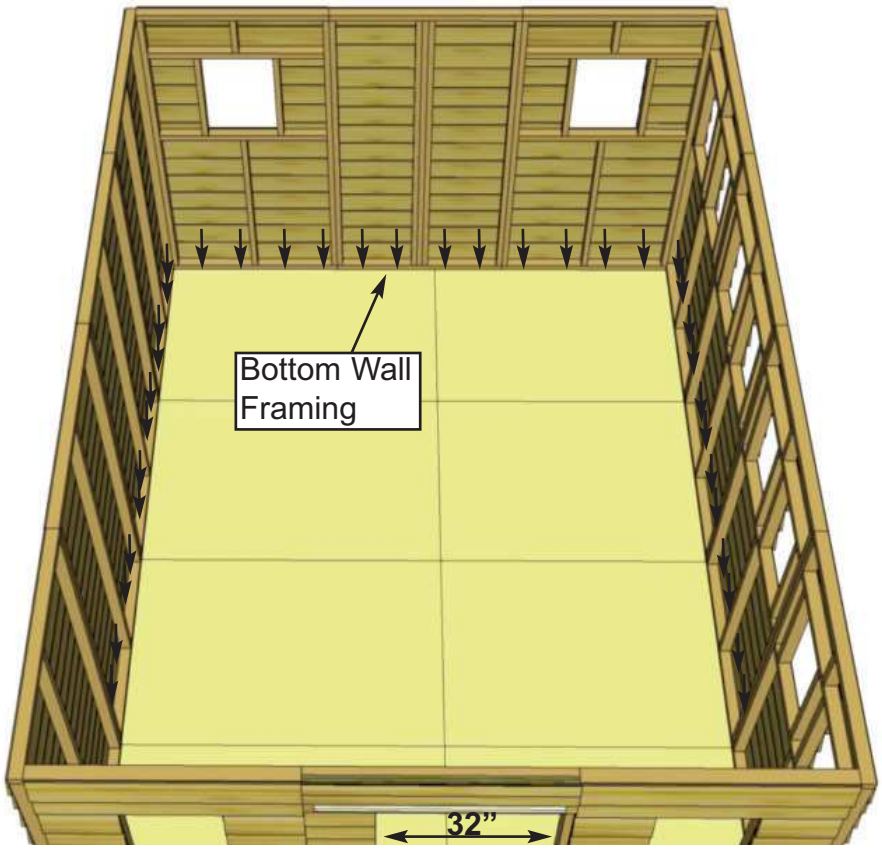
25. Locate **Drip Edge** with Bevel Siding attached. Attach to **Door Header Spacer** with **8 - 1 1/2" Finishing Nails**.	Part (Step 25) **Drip Edge w/ Bevel Siding** (45 5/8") **x 1**	Hardware (Step 25) **N1 - 1 1/2" Finishing Nail** x 8 total



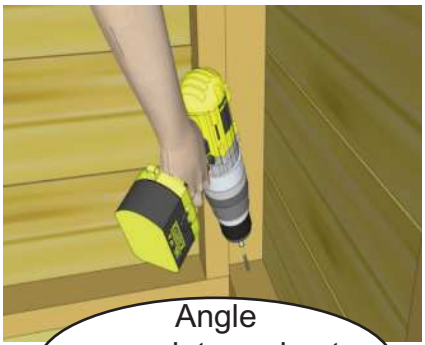
Advice: Prior to fastening walls and installing rafters, take time to confirm your walls are level, square and plumb.

Measure diagonal at top and bottom of walls corner-to-corner. This should be approximately 223 1/2”. More importantly, if measurements are not within 1/4”, your walls are not square. Adjusting now will make it easier to the roof section later.

Important: If walls are not lining up and appear higher or lower than each other, please check the level of your floor. You may need to make slight adjustments before proceeding.

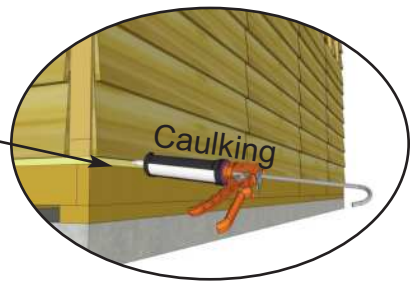


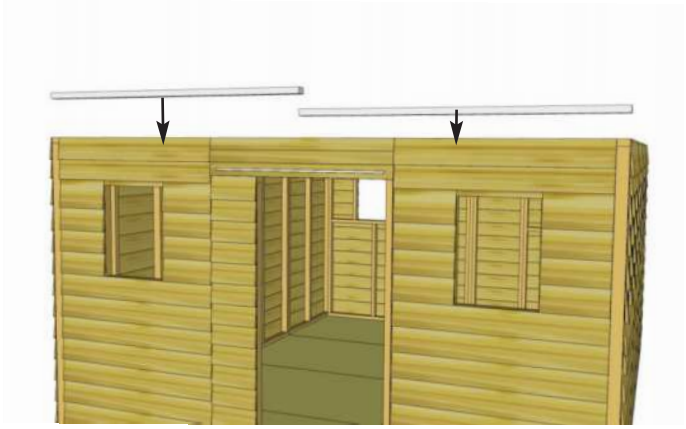
26. When all walls are attached together, check alignment with the floor. Bottom wall framing should sit flush with outside of floor joists. When positioned correctly, fasten bottom wall plates to floor using **4 - 2 1/2” screws** per wall panel (54 total). **Confirm 32” wide door opening at bottom.**

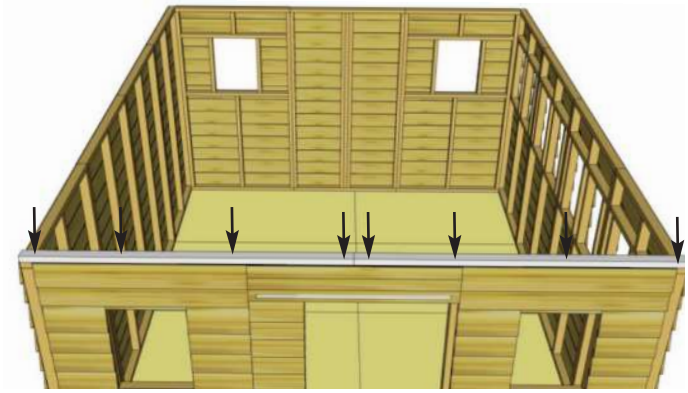


Angle screws into perimeter Floor Joists.

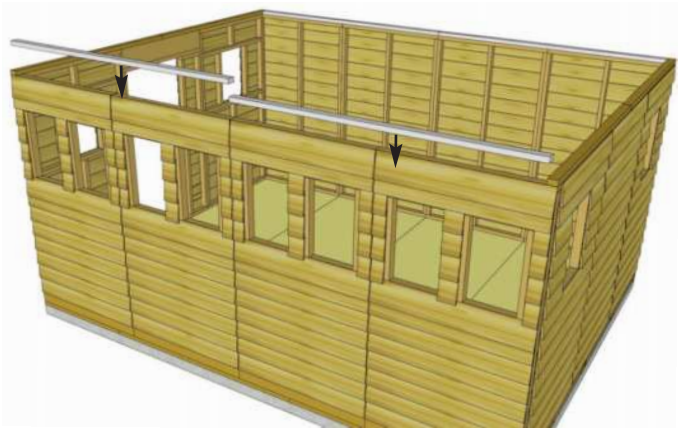
Optional: Caulking seams will help prevent moisture from entering your shed. Caulking is included to complete polygal Windows only. Additional Caulking may be required.



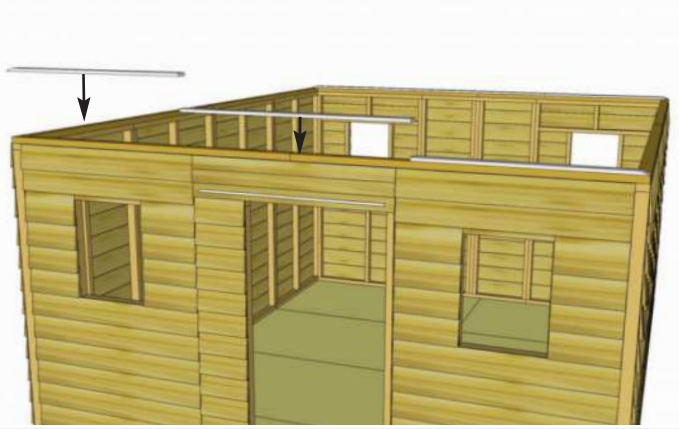


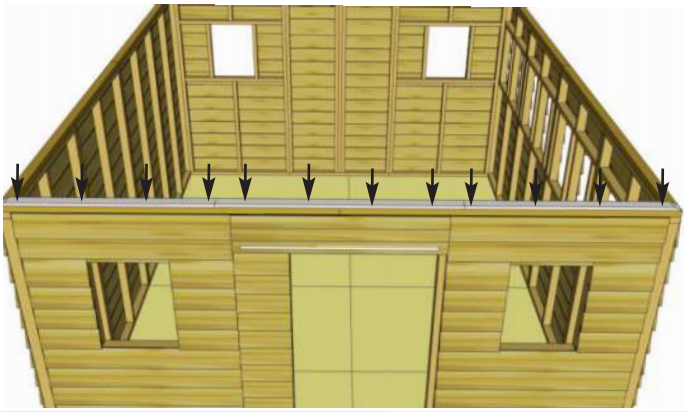


27. Position and attach **F & R Riser Plates** on top of Front and Rear **Wall Frames**. attach with **4 - 2 1/2" screws** each. Complete both front and rear of shed.	Parts (Steps 27) **F&R Riser Plates** (1 1/2" x 2 1/2" x 70 3/4") **x 4**	Hardware (Steps 27) **S1 - 2 1/2" Screws** x 16 total

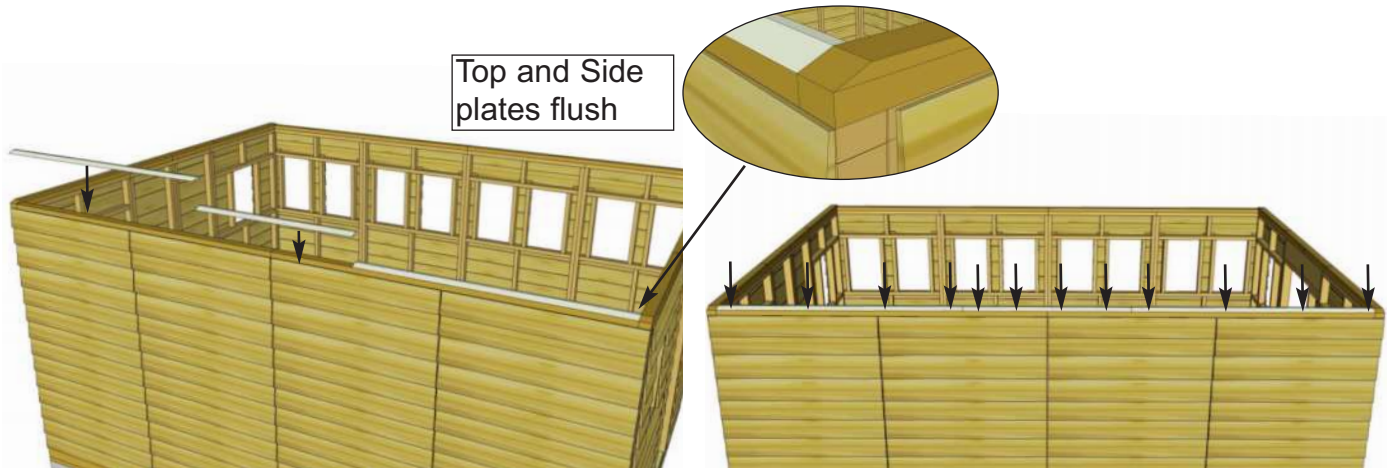


28. Position and attach **Side Riser Plates** with **6 - 2" screws** per piece. Complete both sides of shed.	Parts (Steps 28) **SIde Riser Plates** (1 1/2" x 2 1/2" x 88 1/2") **x 4**	Hardware (Steps 28) **S3 - 2" Screws** x 24 total

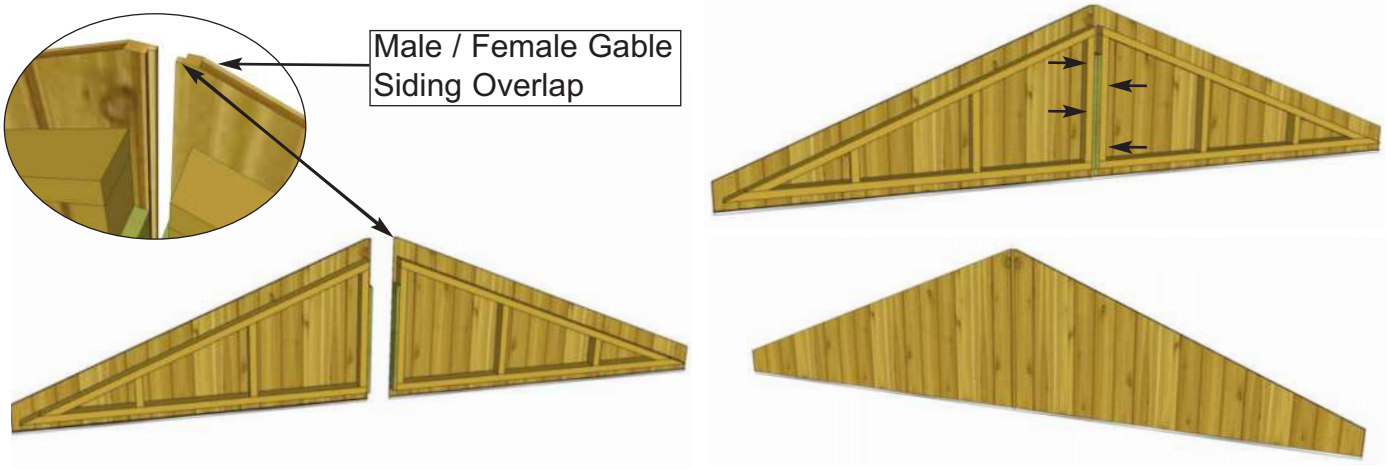




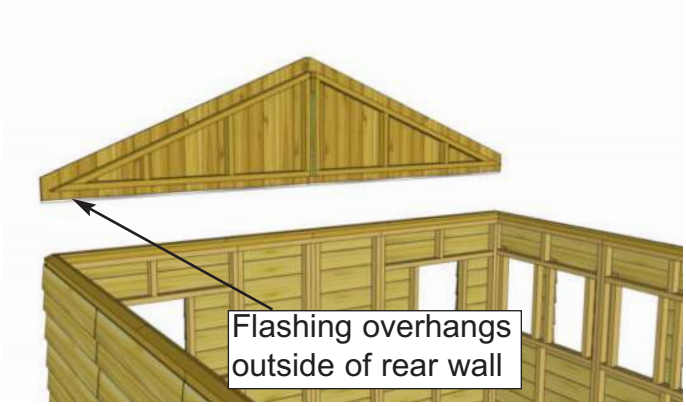
29. Position and attach **Front & Rear Top Plates**.There are two pieces with angle cut ends and one straight piece per side. Attach with **4 - 1 1/4" screws** per piece. Complete Front and Rear	Parts (Steps 29) **F&R Top Plates Angle** (3/4" x 2 1/2" x 45") **x 4** **F&R Top Plates Straight** (3/4" x 2 1/2" x 51 1/2") **x 2**	Hardware (Steps 29) **S2 - 1 1/4" Screws** x 24 total

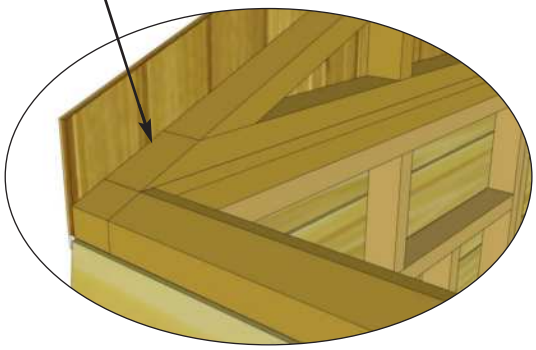


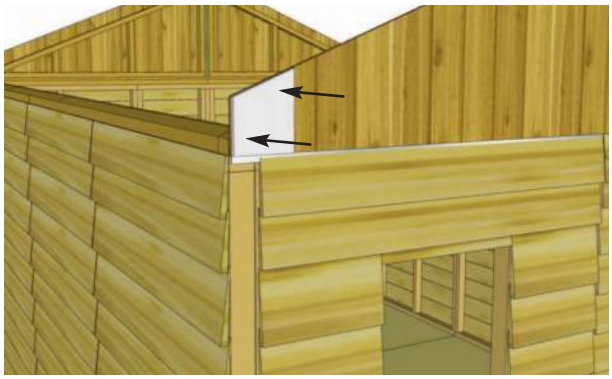
30. Position and attach **Side Top Plates** on **Side Riser Plates**. 65 3/4" side plates are on the outside with the 45 1/2" plate in the center. Angle of **Side Plates** should match angle of **F&R Top Wall Plates**. Attach each piece with **4 - 1 1/4" screws**. Complete both sides of shed.	Parts (Steps 30) **Side Top Plates** (3/4" x 2 1/2" x 45 1/2") **x 2** (3/4" x 2 1/2" x 65 3/4") **x 4**	Hardware (Steps 30) **S2 - 1 1/4" Screws** x 24 total



31. Locate Triangular **Gable Half Walls** for both sides of shed. Align framing and wall siding lap together. Screw center wall framing of each piece together with **4 - 2 1/2" screws**. Note: Prior to attaching, try each combination of Gables for best fit.Tip of Gables are separate pieces that need to be attached on in **Step 32**.	Parts (Steps 31-32) **Gable Half Walls x 4**	Hardware (Steps 31-32) **S1 - 2 1/2" Screws** x 8 total **S3 - 2" Screws** x 8 total

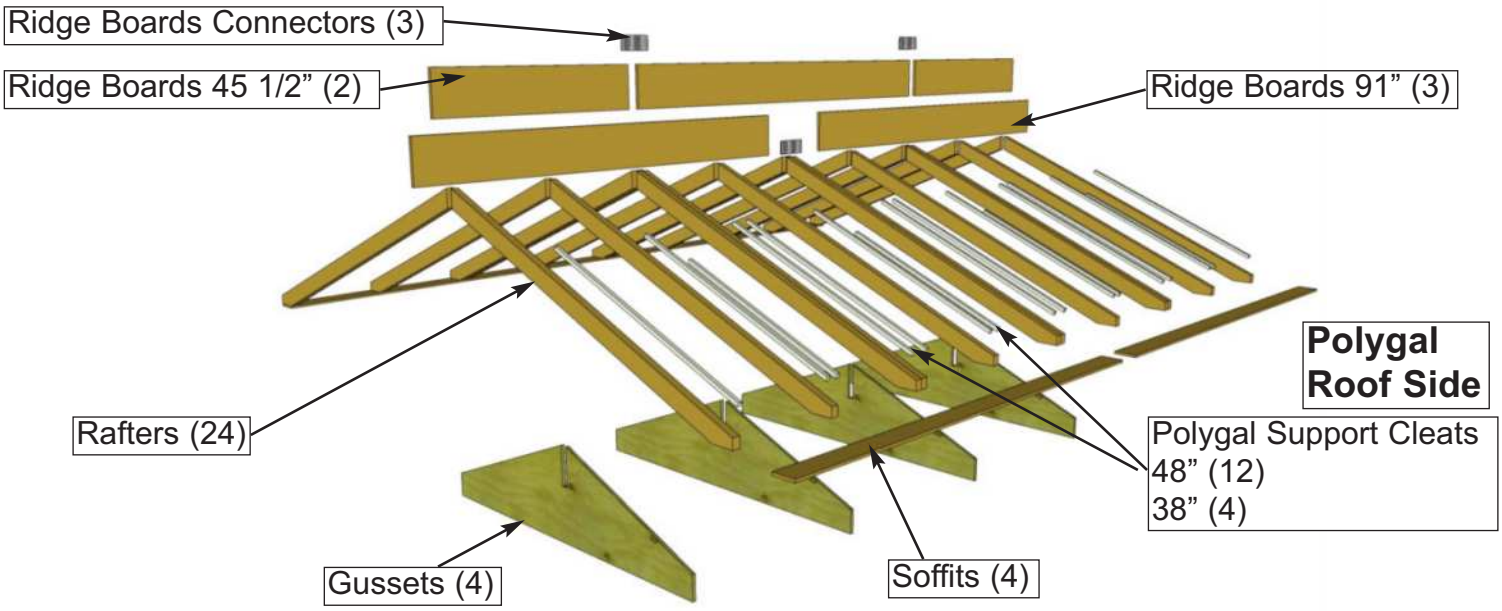






32. Place completed **Gable Section** so framing sits flush with the inside of the **Top Wall Plate**. It should also be centered side-to-side on the **Top Wall Plate**. Gable Flashing overhangs wall on the outside. Temporarily attach **Gables** to **Top Wall Plate** with **4 - 2" screws** . Gables may need slight adjustment in **Step 45** 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 lineup at 22.5°.Attach Gable tip to shed with **2 - 1 1/2" Finishing Nails** as shown above.

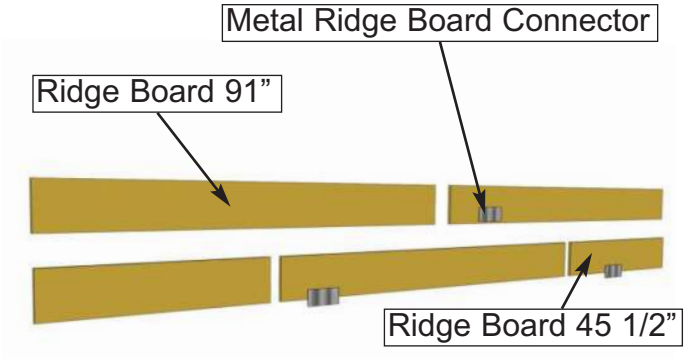
C. Rafter Section

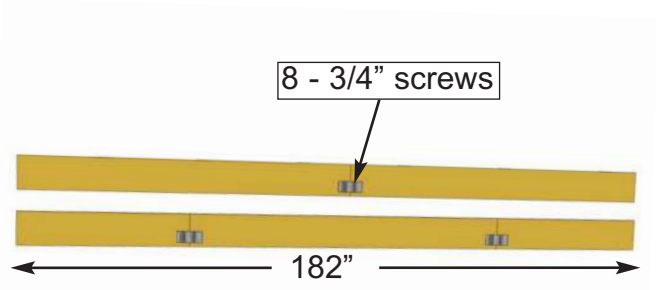


Important: Locate all parts necessary to assemble each Rafter Section prior to beginning.

Parts for One Rafter Section (Polygal Side):	**Parts for Other Rafter Section (Non-Polygal Side):**
12 - 1 1/2” x 3 1/2” x 80 7/8” - Rafters	12 - 1 1/2” x 3 1/2” x 80 7/8” - Rafters
2 - 3/4” x 9 1/4” x 91” - Ridge Board	2 - 3/4” x 9 1/4” x 45 1/2” - Ridge Boards
2 - 1/2” x 4 1/2” x 91” - Soffits	1 - 3/4” x 9 1/4” x 91” - Ridge Board
12 - 3/4” x 3/4” x 48” - Polygal Support Cleats	2 - 1/2” x 4 1/2” x 68 1/4” - Soffits
4 - 3/4” x 3/4” x 38” - Polygal Support Cleats	**Remaining Rafter Pieces:**
* Must complete 2 Rafter Sections	4 - 3/4” x 80” x 19 3/4” - Gussets

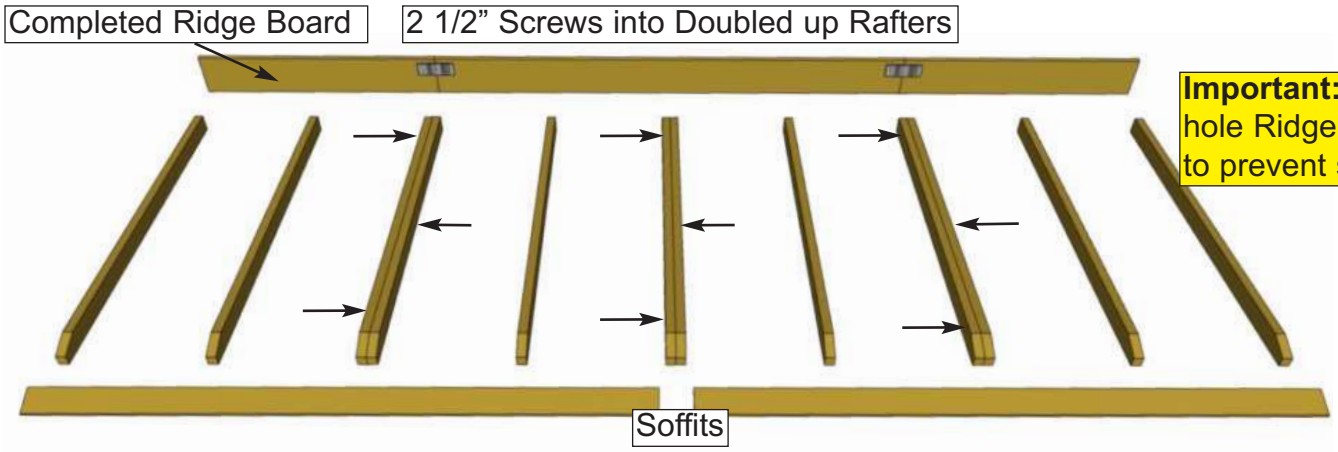
Follow **Steps 33-49** to Assemble Rafter Sections. Make sure to complete on a flat, level surface.





33. Locate **Ridge Boards** and attach together using **Metal Ridge Board Connectors** and **8 - 3/4” screws** evenly spaced on boards per connector. Place connector approximately 1 1/4” up from bottom of **Ridge Board**. Total length when connected is 182”. Complete two **Ridge Boards**.

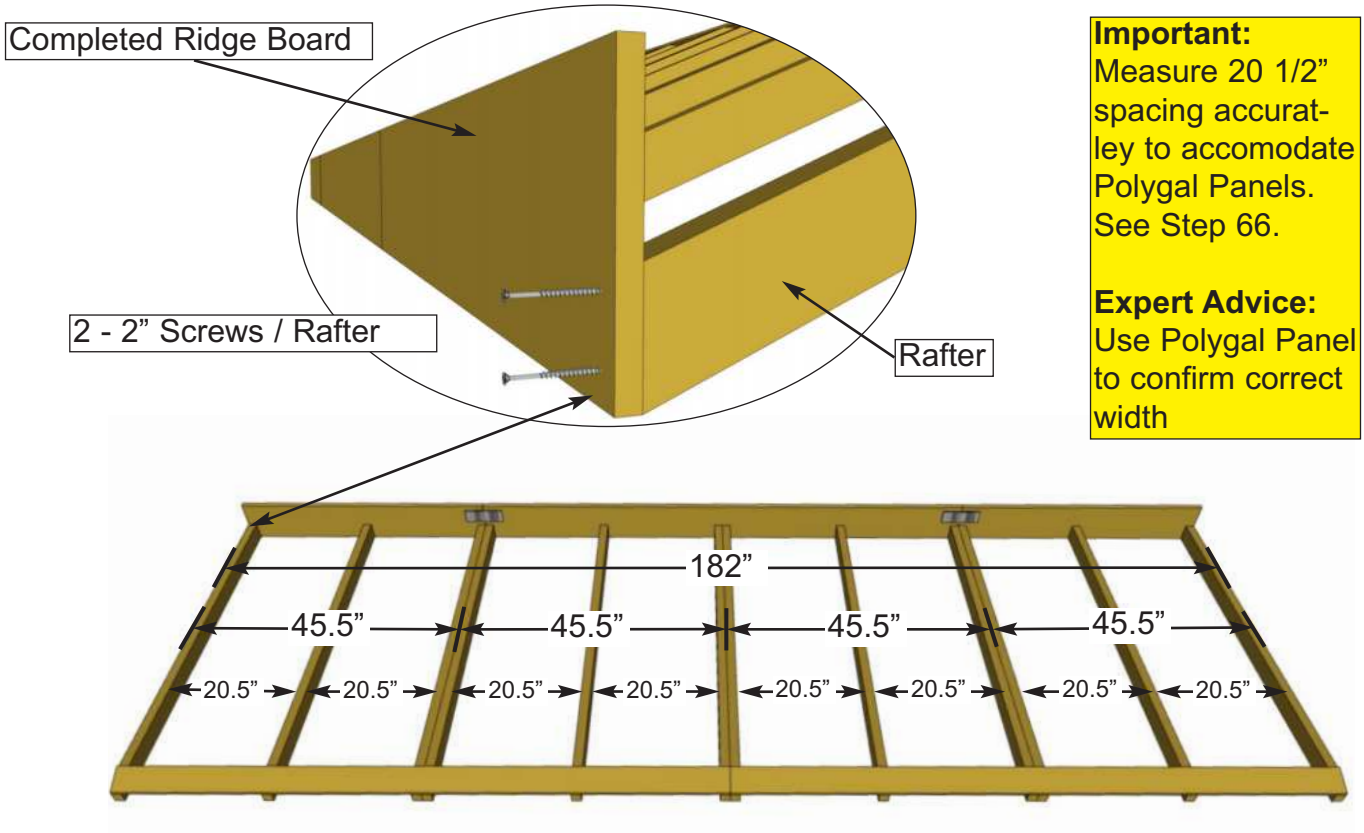
Parts (Steps 33)	Hardware (Steps 33)
Ridge Boards (3/4” x 9 1/4” x 45 1/2”) **x 2** (3/4” x 9 1/4” x 91”) **x 3**	**SS2 - 3/4” Screws** x 24 total **Y9 - Metal Ridge Connector** x3 total



Important: Pilot hole Ridge Board to prevent splitting

34. Lay out **12 Rafters**, **2 Soffits** and the completed **Ridge Board** from **Step 33** on level ground as shown. Double up **Rafters** as illustrated. Screw doubled up **Rafters** together with **3 - 2 1/2” screws**. **Note:** completed rafter section will be flipped over in **Step 38**.

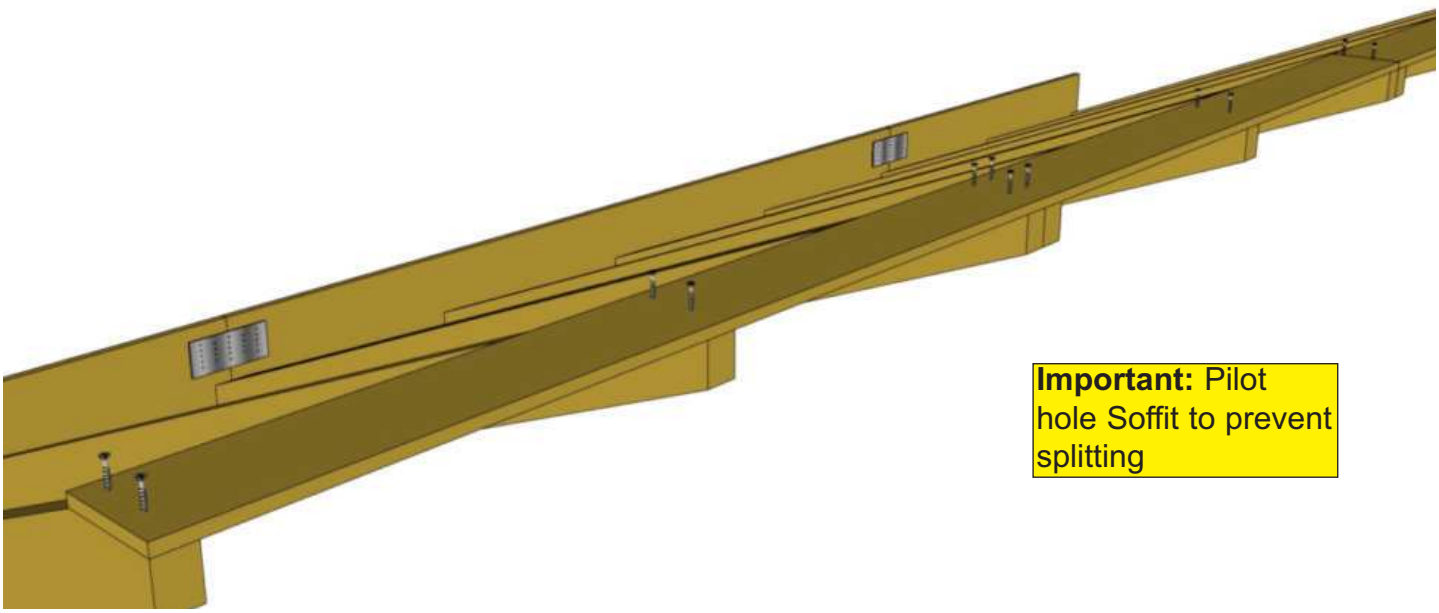
Parts (Steps 34 - 37)	Hardware (Steps 34 - 37)
Ridge Boards (3/4” x 9 1/4” x 45 1/2”) **x 2** (3/4” x 9 1/4” x 91”) **x 3**	**S1 - 2 1/2” Screws** x 18 total
Rafters (1 1/2” x 3 1/2” x 80 7/8”) **x 24**	**S3 - 2” Screws** x 48 total
Soffits (1/2” x 4 1/2” x 91”) **x 4**	**S2 - 1 1/4” Screws** x 48 total



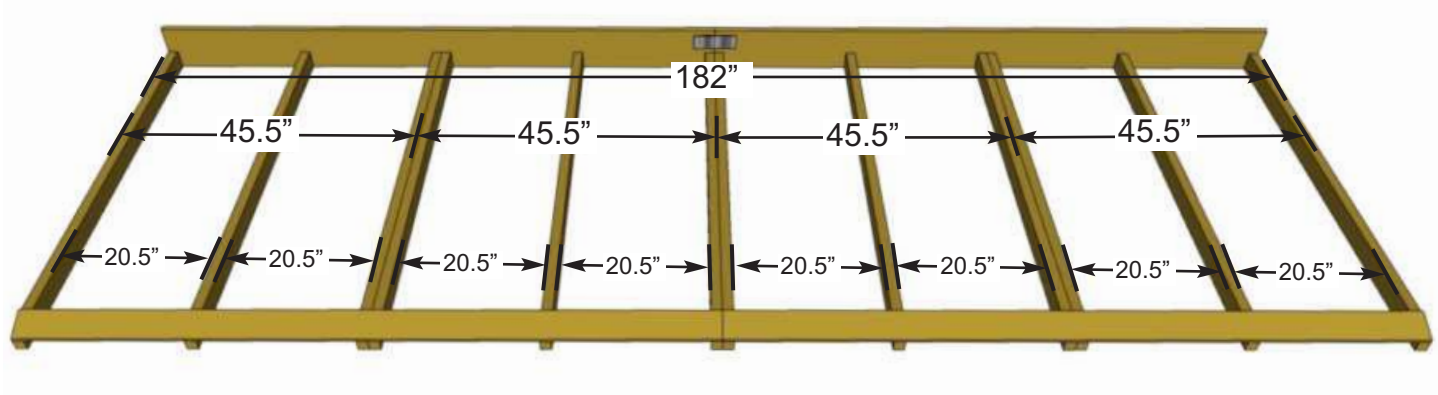
Important: Measure 20 1/2” spacing accurately to accomodate Polygal Panels. See Step 66.

Expert Advice: Use Polygal Panel to confirm correct width

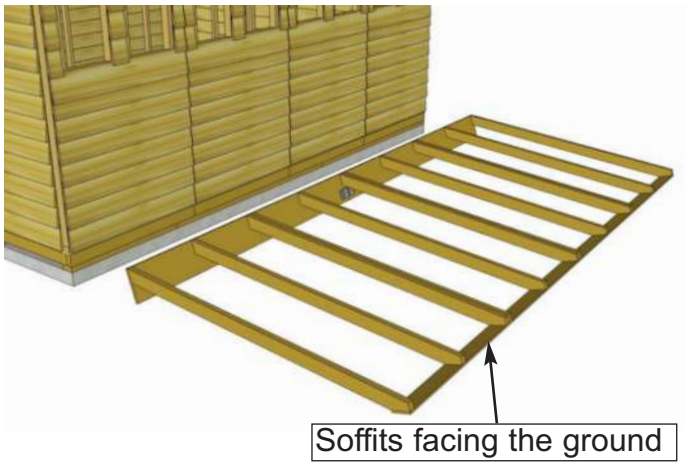
35. Attach completed **Ridge Board** to ends of both outside **Rafters** with **2 - 2” screws** per end. Measure and position interior **Rafters** as illustrated above. When positioned correctly, attach **Ridge Board** to remaining **Rafters** with **2 - 2” screws** per rafter end. **Important:** Pilot Hole **Ridge Board** to prevent splitting.



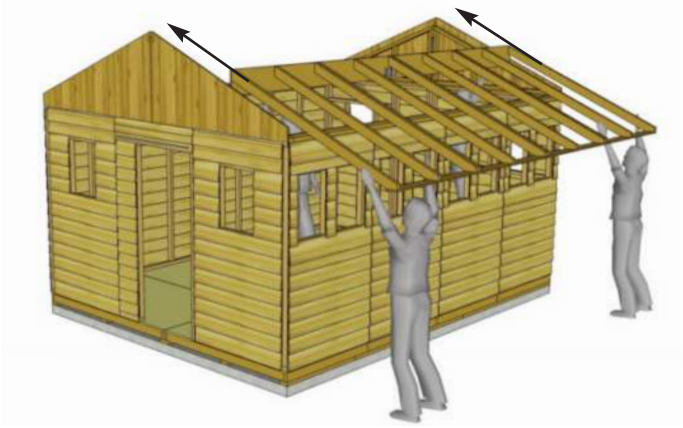
36. Attach end **Soffit** Board flush to ends of outside **Rafters** with **2 - 1 1/4" screws** per **Rafter** end. Complete both outside **Rafter/Soffit** connections first. Measure and position interior **Rafters** as illustrated above. When positioned correctly, attach **Soffits** to remaining **Rafters** with **2 - 1 1/4" screws/rafter**. **Important:** Pilot Hole **Soffits** to prevent splitting.

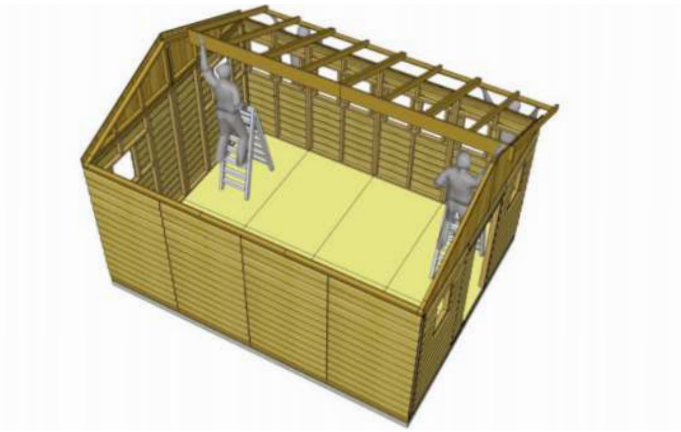


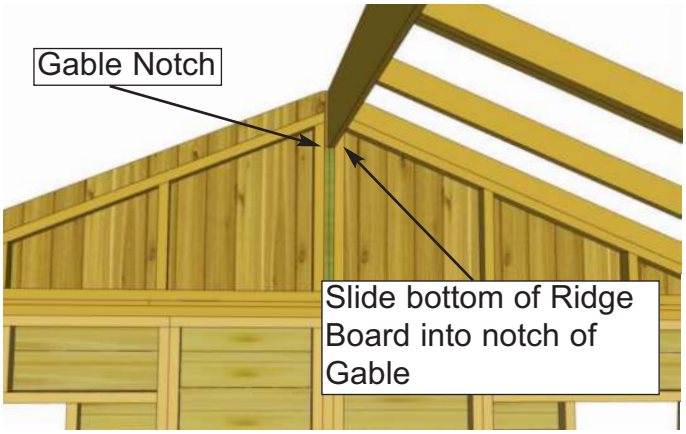
37. Complete second **Rafter** section following **Steps 34 - 36**.

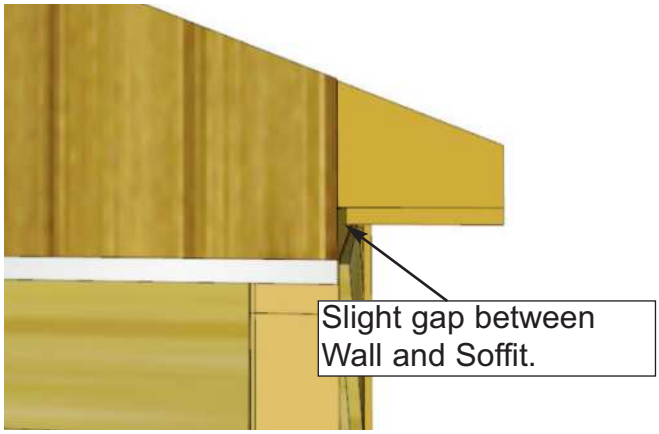


38. With some helpers flip over each **Rafter** section so they can be lifted onto the shed. **Soffits** should now be on the ground.Prepare to lift onto Wall and **Gable Frame**

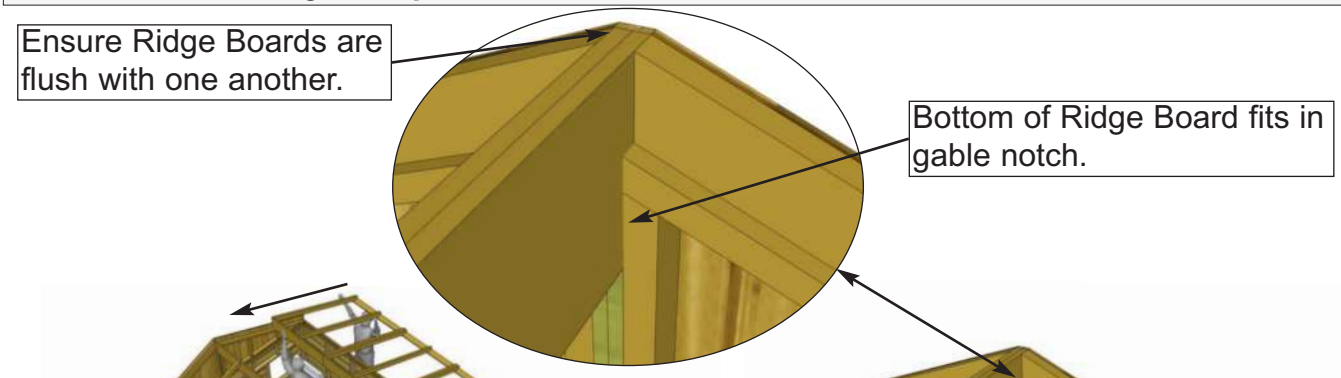


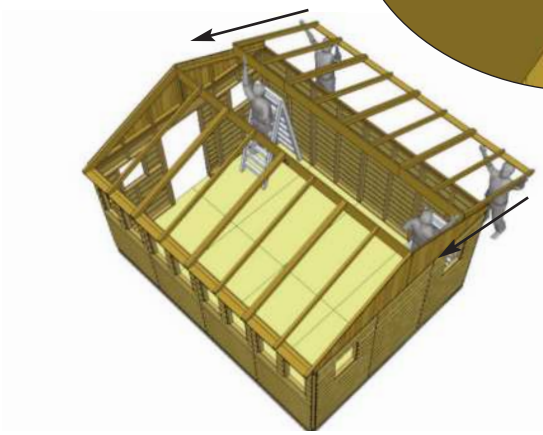


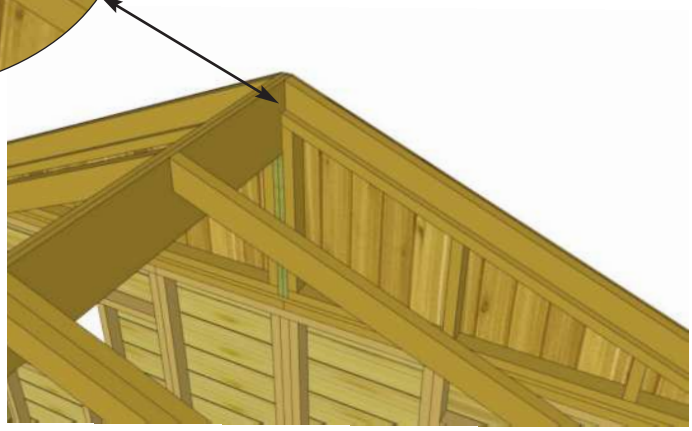




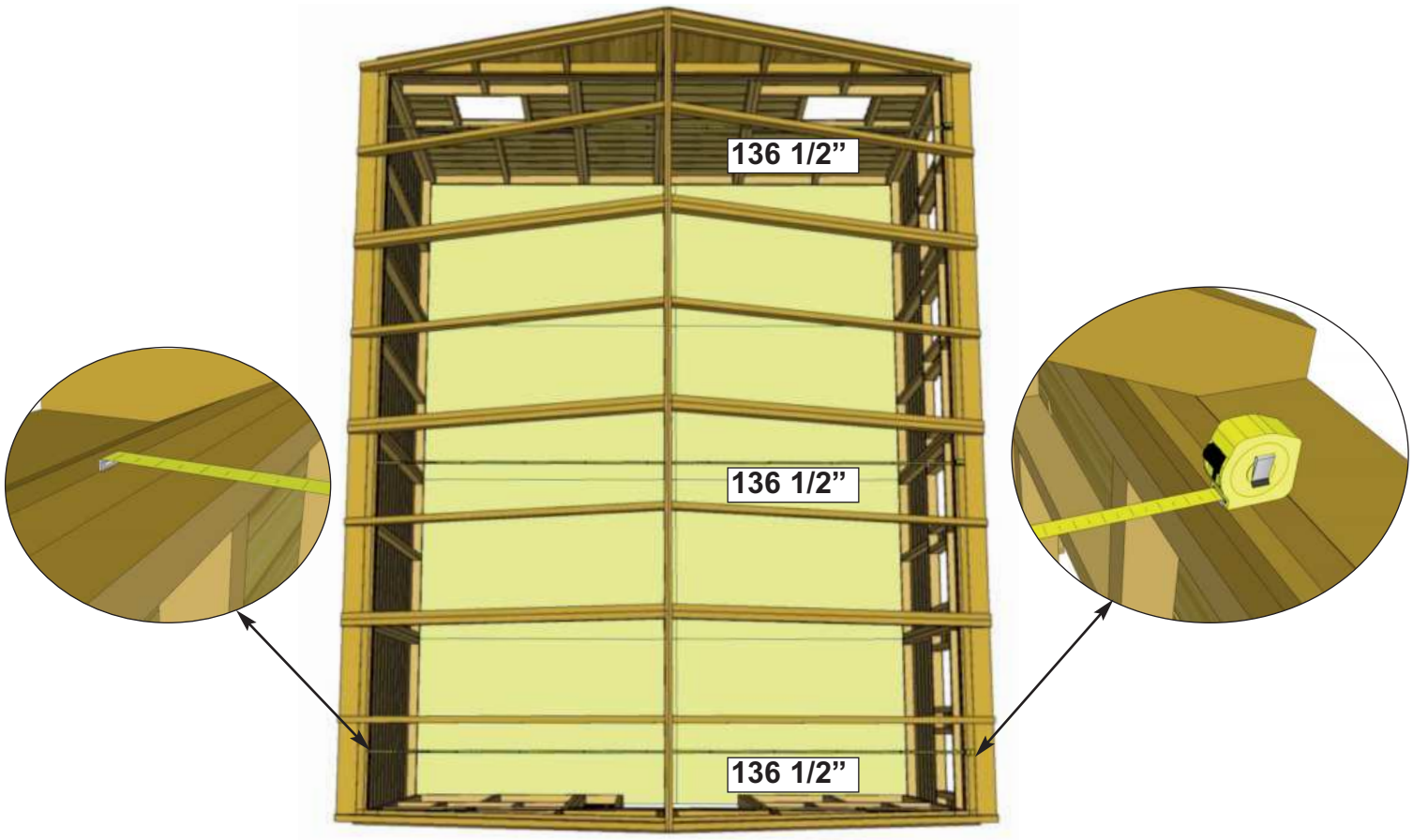
39. With the assistance of two or more helpers and some ladders, slide first **Rafter Section** up onto **Gable Framing** until bottom of **Ridge Board** slips into gable notch. Position **Rafters** so they sit evenly on **Gable Framing** from side to side. Where **Wall** and **Soffit** meet, a small gap may appear. Confirm all **Rafters** are resting on **Top Plate**.



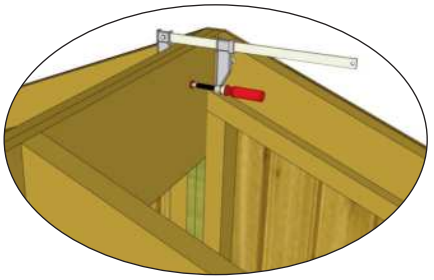




40. Lift second **Rafter Section** up and place on **Gable Framing**. Slide **Rafter Section** up on framing until bottom of **Ridge Board** slips into Gable notch. **Soffit** will sit approximately 1/8” away from wall as per **Step 39**.



41. Take the inside-to-inside measurment between **Top Wall Plates** and **Bottom Wall Plates** at the front, middle, and rear of your shed. These measurments should each be approximately 136 1/2”, but more importantly, if they are not within 1/4” of each other, your walls are not square.



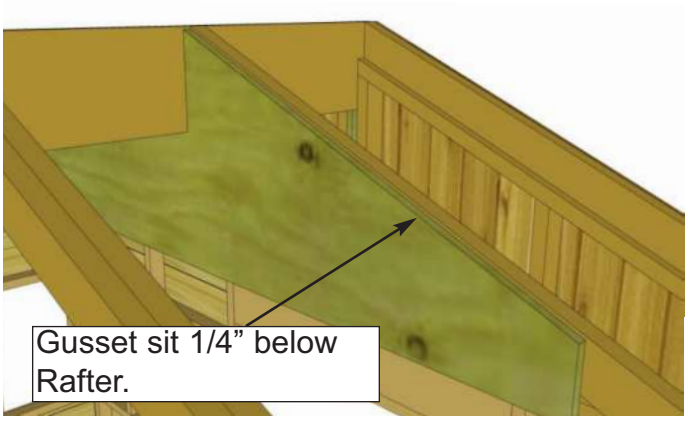
Advice: It may be helpful to use a clamp to help hold Ridge Boards together flush while screwing.

44. Where **Ridge Boards** meet, press together and secure with **16 - 1 1/4” screws** per side. We recommend using a clamp to hold the **Ridge Boards** together flush while screwing. Stagger screw position vertically on **Ridge Board** to create a stronger connection. Complete both sides, Important: if there is a gap between **Ridge Boards**, try pushing side walls closer together from outside. Walls should be 136 1/2” apart at top from inside of wall plate to wall plate as per **Step 41**.

Hardware (Steps 44)
S2 - 1 1/4” Screws
x 32 total

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

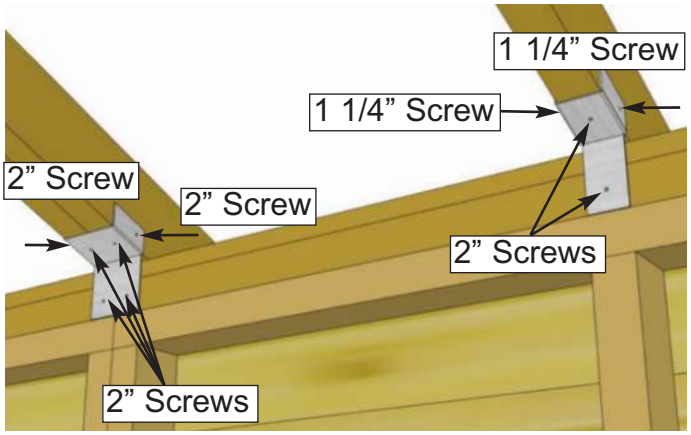
45. With both **Rafter Sections** correctly aligned, secure **Gable Framing** to both outside **Rafters** with **8 - 2" screws** per side at top and with **8 - 2" screws** into **Top Wall Plates** at bottom.	Hardware (Steps 45) **S3 - 2" Screws** x 32 total



46. Start by attaching one **Gusset** onto the middle **Rafters** as illustrated. Attach only **1 - 2" screw** per side now. **Important:** Pilot hole **Gussets** to prevent splitting.	Parts (Steps 46 - 47) **Gussets** (3/4" x 80" x 19 3/4") **x 4**	Hardware (Steps 46-47) **S3 - 2" Screws** x 40 total

Important: Before attaching remaining Gussets, recheck the inside-to-inside wall measurments are done as in **Step 41**. Use a level to check they are square.

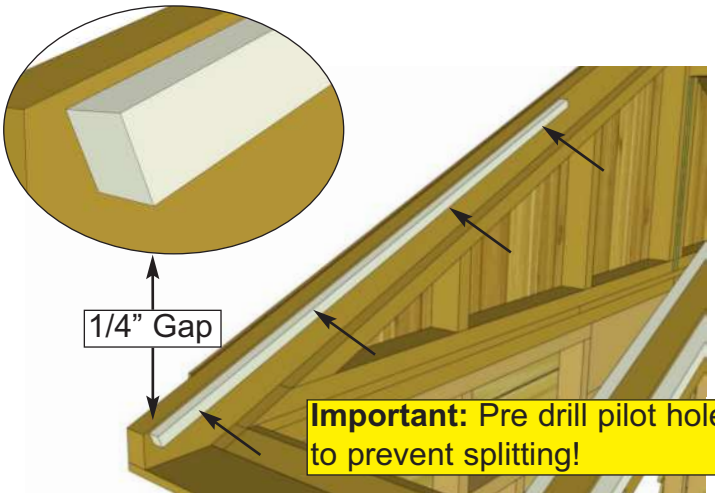
47. Once walls are confirmed to be square and plumb, attach the remaining 3 **Gussets** with **10 - 2" screws** per **Gusset**. **Gussets** attach to single **Rafters**. Attach remaining screws to **Gusset** that was attached in **Step 46**. **Important:** Pilot hole ends of **Gusset** to prevent splitting.

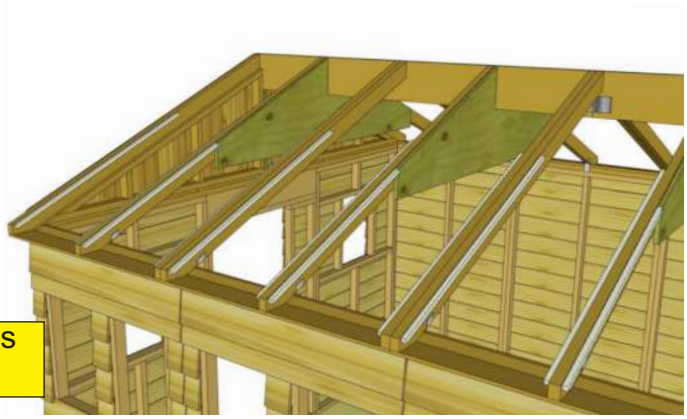


48. Attach all Single and Double **Rafter Brackets** where **Rafters** meet **Top Wall Plates** inside of shed. Attach with **2 - 1 1/4" screws** and **2 - 2" screws** per Single **Rafter Bracket** and **6 - 2" screws** per Double **Rafter Bracket**.

Hardware (Steps 48)

Y30 - Single Rafter Bracket
x 8 total
Y31 - Double Rafter Bracket
x 6 total
S2 - 1 1/4" Screws
x 16 total
S3 - 2" Screws
x 52 total



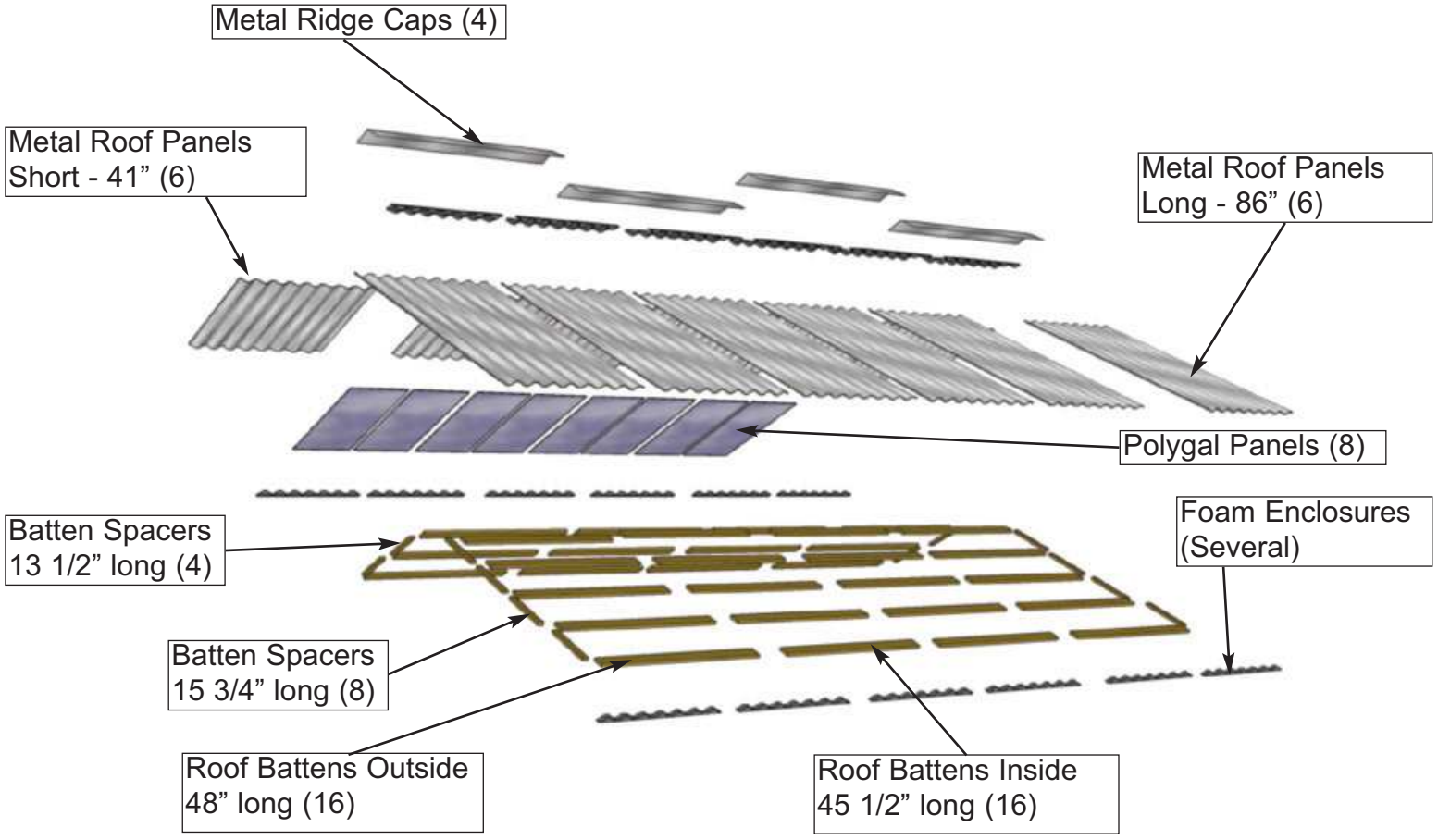


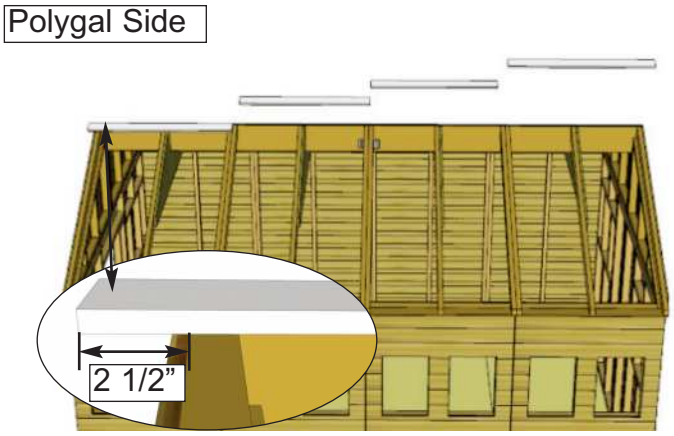
49. Position **Polygal Support Cleats** alongside **Rafters**. Leave a 1/4” gap down from top of **Rafter**. The shorter Cleat is for the **Rafters** with a **Gusset** attached. Secure each Cleat to **Rafter** with **4 - 1 1/4” screws**. Ensure to pre-drill pilot holes to avoid splitting Complete remaining **Polygal Support Cleats**.

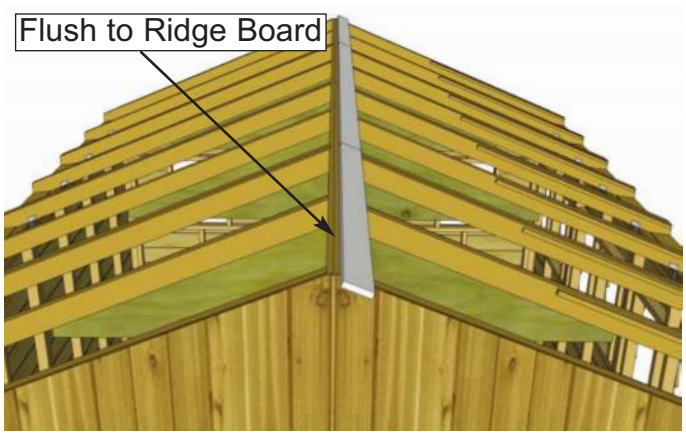
Parts (Step 49)
Polygal Support Cleats Short
(3/4” x 3/4” x 38”) **x 4**
Polygal Support Cleats Long
(3/4” x 3/4” x 48”) **x 12**

Hardware (Step 49)
S2 - 1 1/4” Screws
x 64 total

D. Roof Section



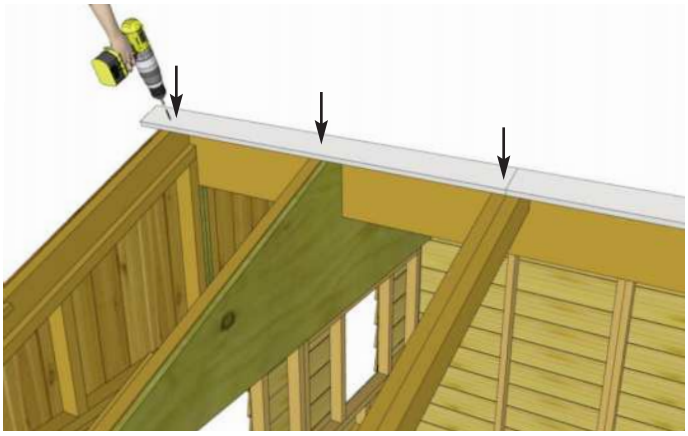


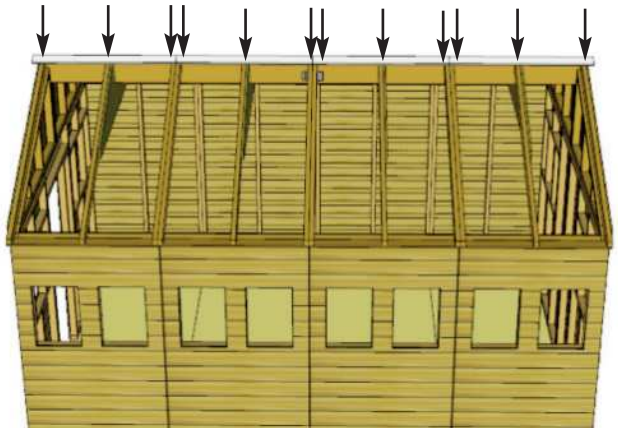


50. Start on Poygal side of Roof. Locate 2 **Outside Roof Battens** and 2 **Inside Roof Battens**. Place Battens on top of Rafter section where Rafters and Ridge Boards meet. Batten will overhang outside Rafter by 2 1/2”.

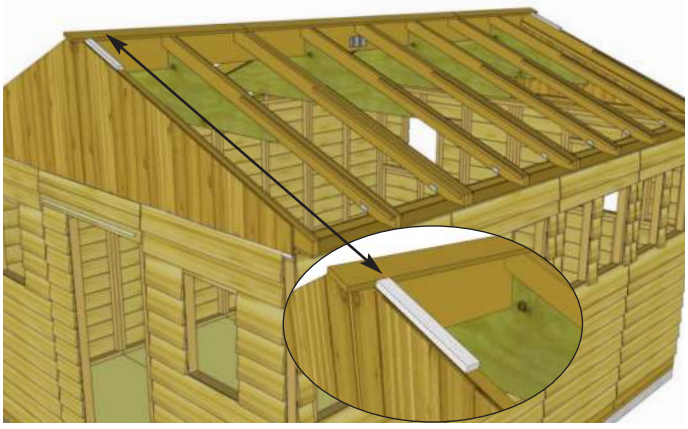
Parts (Steps 50 - 55)	Parts (Steps 50 - 55)
Outside Battens (3/4” x 3 1/2” x 48”) **x 16**	**Batten Spacer Long** (3/4” x 1 1/2” x 15 3/4”) **x 8**
Inside Battens (3/4” x 3 1/2” x 45 1/2”) **x 16**	**Batten Spacer Short** (3/4” x 1 1/2” x 13 1/2”) **x 4**

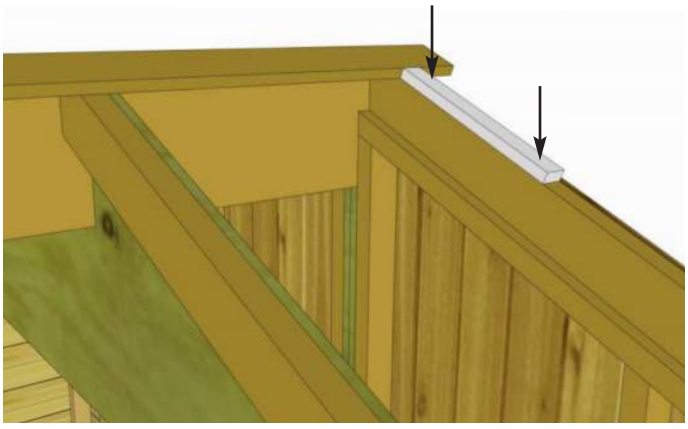
Hardware (Steps 50-55)
S2 - 1 1/4” Screws
x 120 total



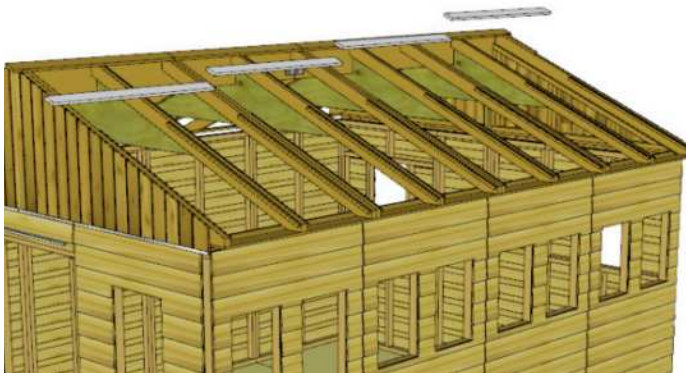


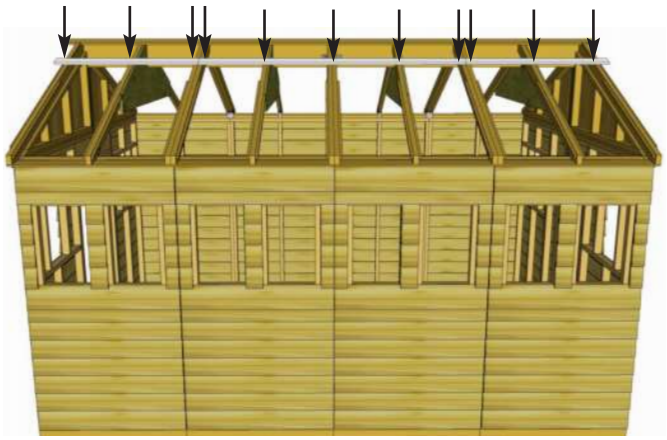
51. Attach **Battens** to Rafters with **12 - 1 1/4” screws** per row (3 screws per Batten). **Important:** Pre-drill pilot holes with 1/8” drill bit first to prevent ends from splitting.



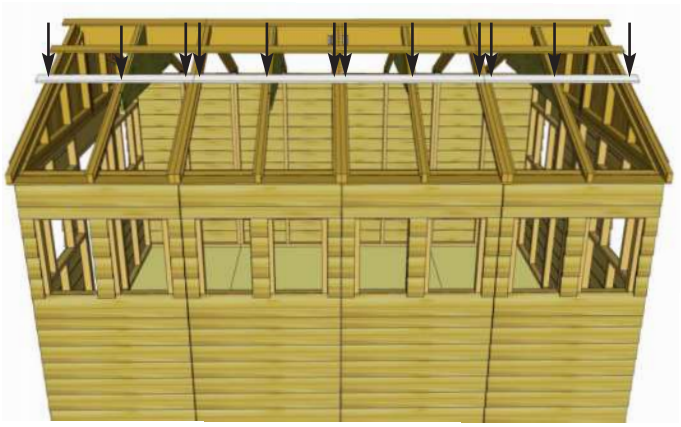


52 . Place **Batten Spacer Short** flush with first set of Battens on outside Rafter. Batten Spacer allows you to line up next row of Battens. Attach each **Batten Spacer** with **2 - 1 1/4” screws**.



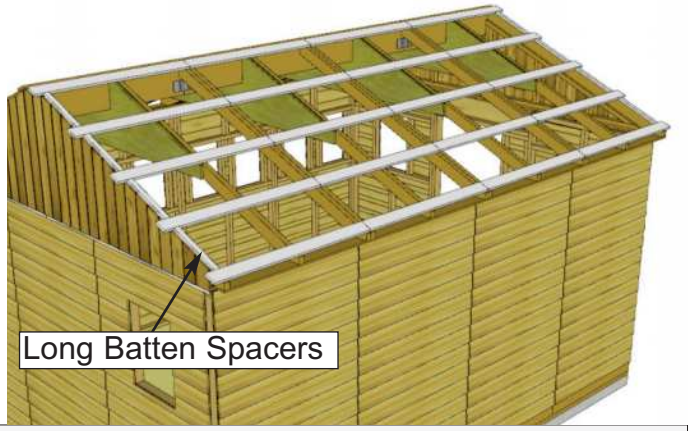


53 . Locate 2 more **Outside Roof Battens** and 2 more **Inside Roof Battens**. Place outside Battens flush with Batten Spacers and overhanging outside Rafter by 2 1/2". Secure row of Battens to Rafters with 12 - 1 1/4" screws as per **Step 51**.

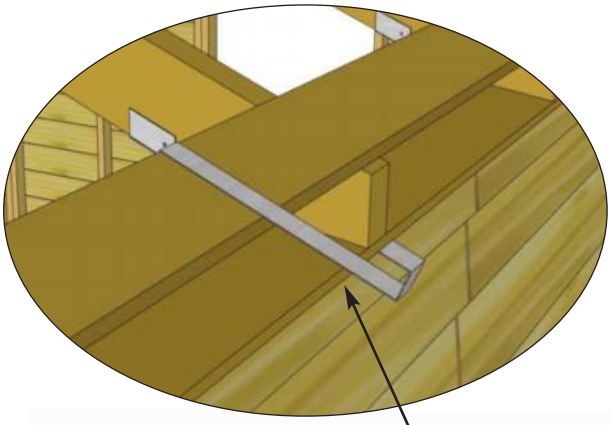


54 . Locate another pair of **Batten Spacers Short** and position flush with second row of Battens on outside Rafter. Attach Batten Spacers to outside Rafter with **2 - 1 1/4" screws** per spacer. Locate 2 more **Outside Roof Battens** and 2 more **Inside Roof Battens**. Attach row of Battens to Rafter with **12 - 1 1/4" screws** for the row as per **Step 51**.

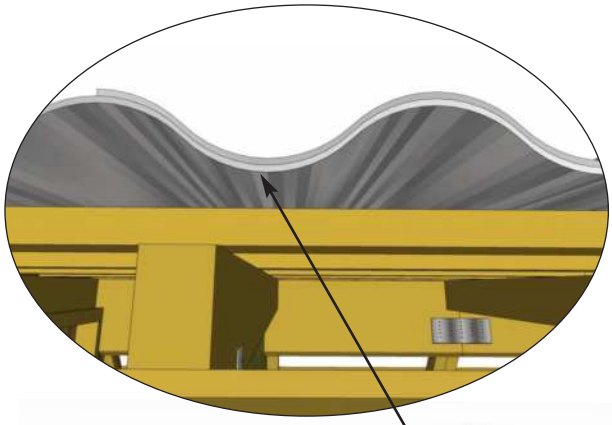
Non-Polygal Side

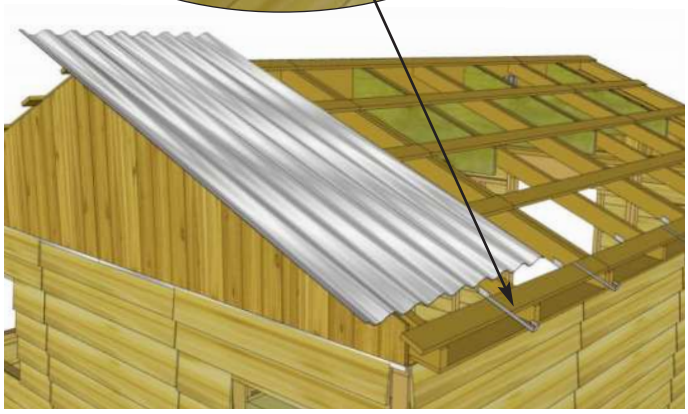


55 . Switch to opposite side of Roof. Complete second side of Roof by repeating **Steps 50 - 54**. Seconf half of Roof has 5 rows of Battens and uses **Batten Spacers Long**.



Metal Roof Panels overlap eachother



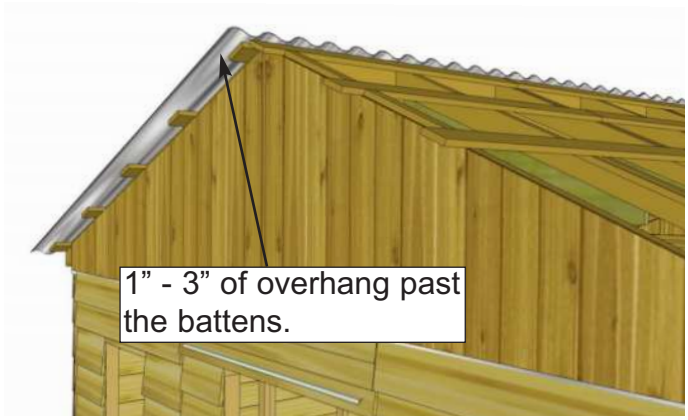


56. Locate all **Metal Roof Panels** and **Metal Roof Hangers**. To temporarily help hold the **Metal Roof Panel Long** in place, hook a **Metal Roof Hanger** onto the lower **Batten** approximately where the center of the first panel will be. Place the first **Metal Roof Panel Long** on **Battens**. Do not fasten Panels down until **Step 62**. place remaining **Metal Roof Panels** on Hangers the same way.

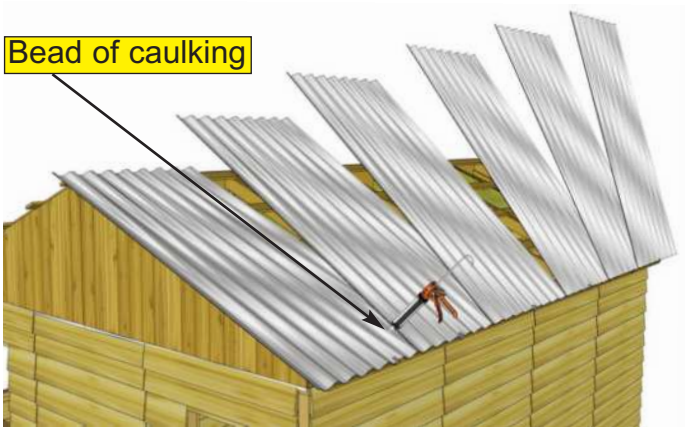
Parts (Steps 56 - 66)
Metal Roof Panels Long
(86" long) **x 6**
Metal Roof Panels Short
(41" long) **x 6**

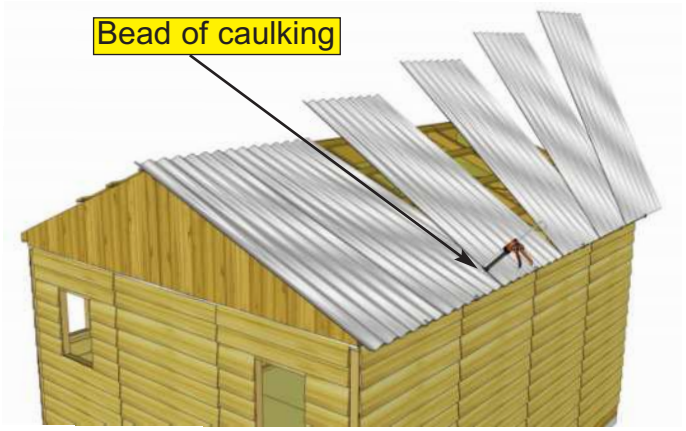
Hardware (Steps 56-66)
2" - Metal Roof Screws
x 54 total

Hardware (Steps 56-66)
Metal Roof Hangers
x 6 total

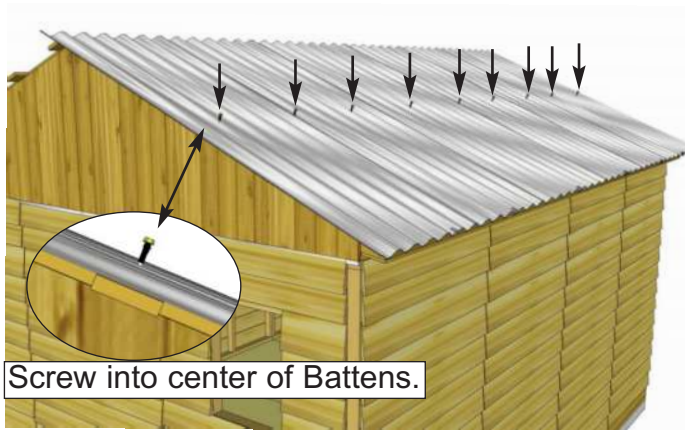


57. **Metal Roof Panels** overhang on the side of shed should be approximately 4" and is set by **Metal Roof Hangers**. Overall width past the end of **Battens** on front and rear can vary from 1" - 3" depending on your personal preferences The **Metal Roof Panels** have room to space out to achieve desired overhang.





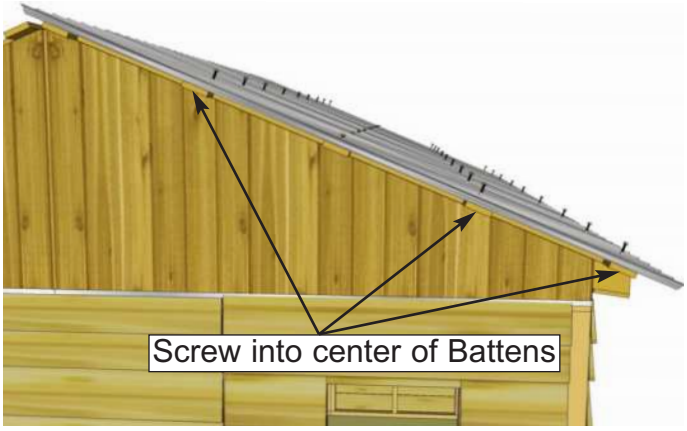
58. Once the Metal Roof Panels are spaced correctly from side-to-side and top-to-bottom, lift 5 panels up and run a bead of caulking down the overlapping seams of each panel to seal the joints. Place panels down one by one once seam is caulked. You will likely need assistance from a helper for this step.



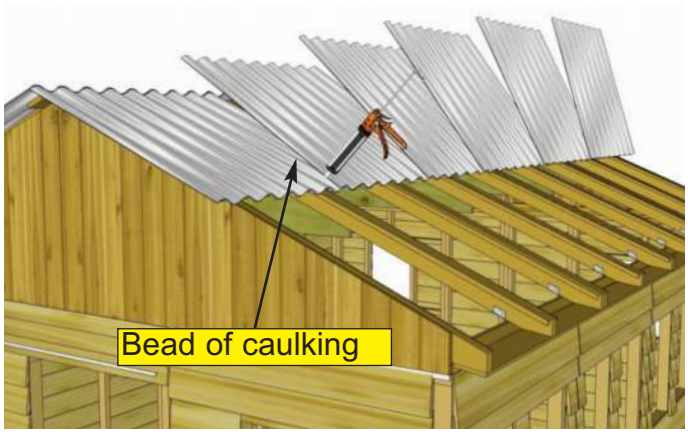
59. Using **9 - 2" Metal Roof Screw** and **1/4" Nut Driver**, partially secure **Metal Roof Panels** down to the middle **Batten** row. Only fasten screws half way so the **Metal Roof Hangers** can be removed. Metal Screw is self-tapping, screw into the center of **Battens**, 27 more **2" Metal Screws** will be used to secure roof to lower **Batten** once hangers are removed.

60. Before fully fastening **Metal Roof Panels** down, remove **Metal Roof Hangers** and inseret **Foam Enclosures** between Metal Roof Panels and bottom Battens. Enclosures will prevent moisture and unwanted bugs from entering your shed through here.

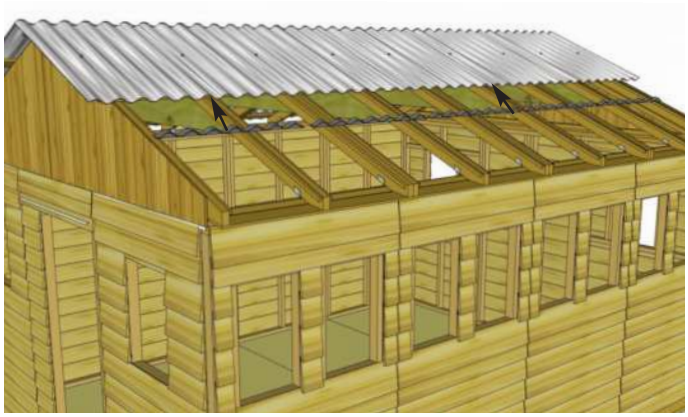
Parts (Step 60)
Foam Enclosures
(Several Pieces)



61. To secure **Metal Roof Panels**, use an additional **27 - 2" Metal Screws** and **1/4" Nut Driver**, Secure **Metal Roof Panels** down to lower 4 rows of Battens. Leave the top row unsecured for now to secure Ridge Cap later in **Step 66**. Tighten screws in middle row that were partially secured in **Step 59**.

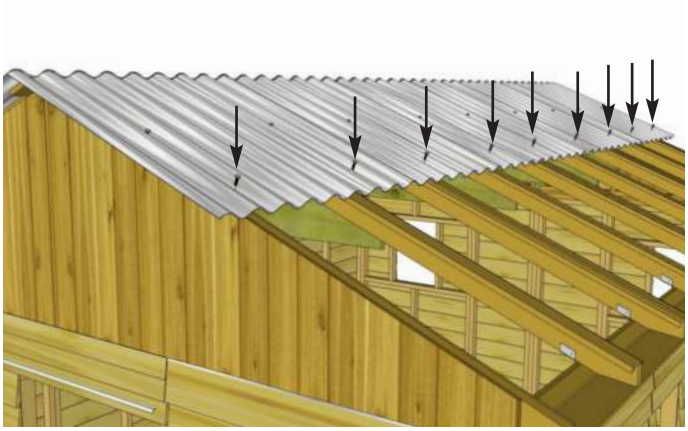


62. Move to polygal side of roof and locate **Metal Roof Panels Short**. Space panels apart as per **Step 57** to match opposite side. **Metal Roof Panels Short** will overhang lowest Batten by approximately 2 3/4". Caulk seams between panels before fastening to Battens. **Important: Metal Roof Hangers** do not set the overhang on the short panel side.Use a helper in addition to the hanger brackets to help keep panels in place while caulking and before fastening.

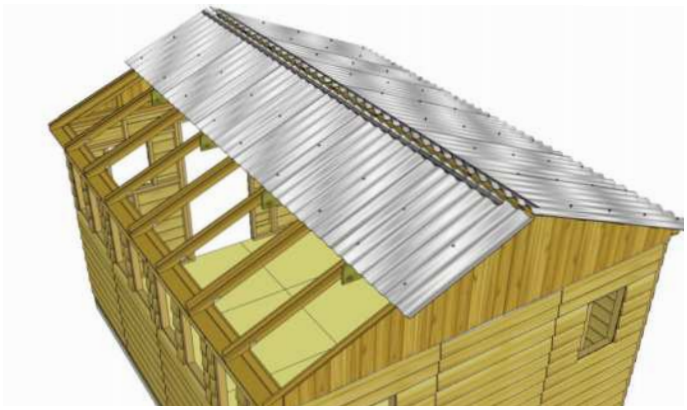


63. Once seams have been caulked ensure the roof panels are overhanging the lowest Batten by approximately 2 3/4". When panels are positioned correctly secure panels to middle row of Battens with **9 - 2" Metal Screws**. With middle row secured place **Foam Enclosures** between bottom of roof panels and lowest row of Battens.

Parts (Step 63)
Foam Enclosures
(Several Pieces)

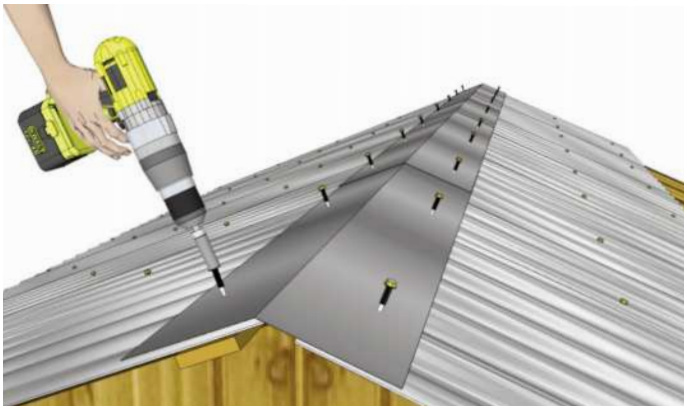


64. Attach Metal Roof Panel to lowest row of Battens with **9 - 2" Metal Screws**.



65. Before attaching **Metal Ridge Caps**, place strips of **Foam Enclosure** near to top of shed. Enclosures will prevent moisture from coming in from the top. Complete both sides.

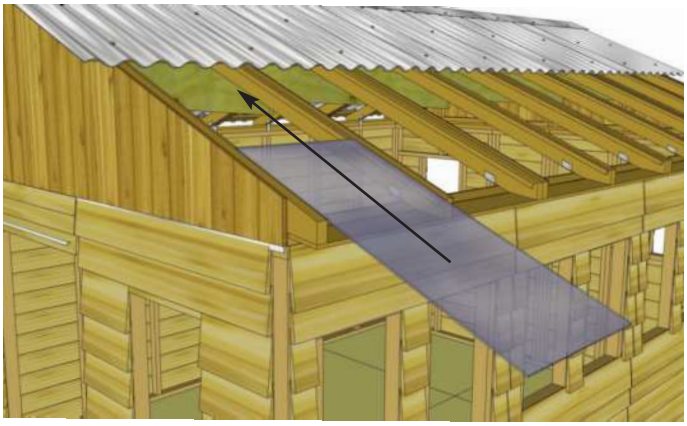
Parts (Step 65
Foam Enclosures
(Several pcs)



66. Place **Metal Ridge Caps** on apex of roof. Evenly space from front to back. Caps will overlap each other. Overhang the cap approximately 1-2" past each end. When ridge cap is correctly positioned, secure with **18 - 2" long self tapping metal screws** using **1/4" nut driver** (9/side). Screw into final **Battens** into center of **Batten**. Do not overtighten..

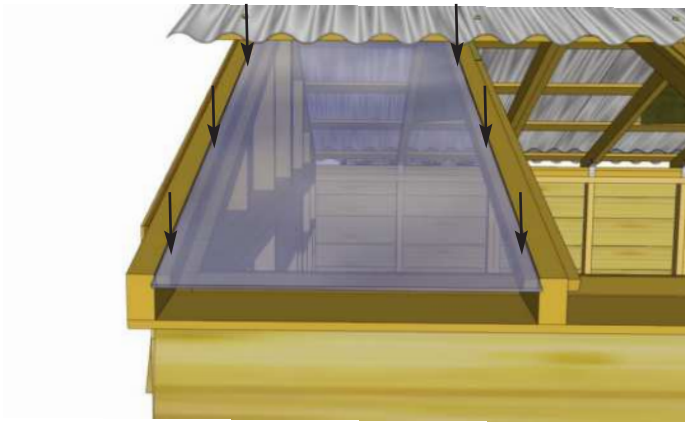
Hardware (Step 66)
2" - Metal Roof Screws
x 18 total

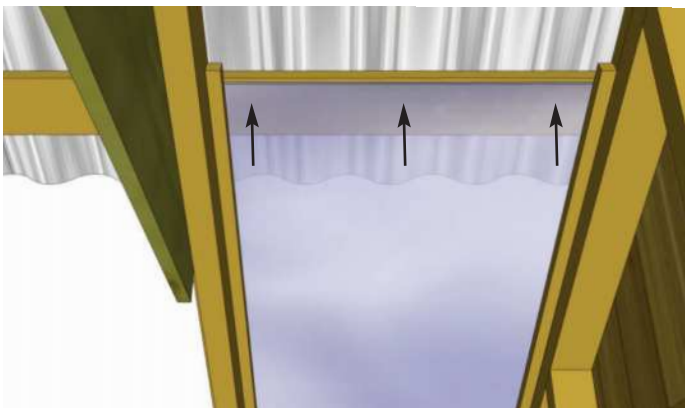
Parts (Step 66)
Metal Ridge Caps
(60" long) **x 4**



67. Installation of 8 **Polygal Panels** is next. Start by removing protective plastic layer from each panel. Exterior/interior side of protective polygal film is printed on film, be sure to note the side and install accordingly. Slide panel up between **Rafters** so it rests on **Polygal Support Cleats**. From the inside, carefully slide end of **Polygal Panel** underneath roof. Position **Polygal Panel** equally between **Rafters**.**Polygal Panel** will overhang end of **Rafter** by 1/2".

Hardware (Steps 67 - 69)
SS1 - 1" Screws x 72 total
Parts (Steps 67 - 69)
Polygal Panels (48" long) **x 8**

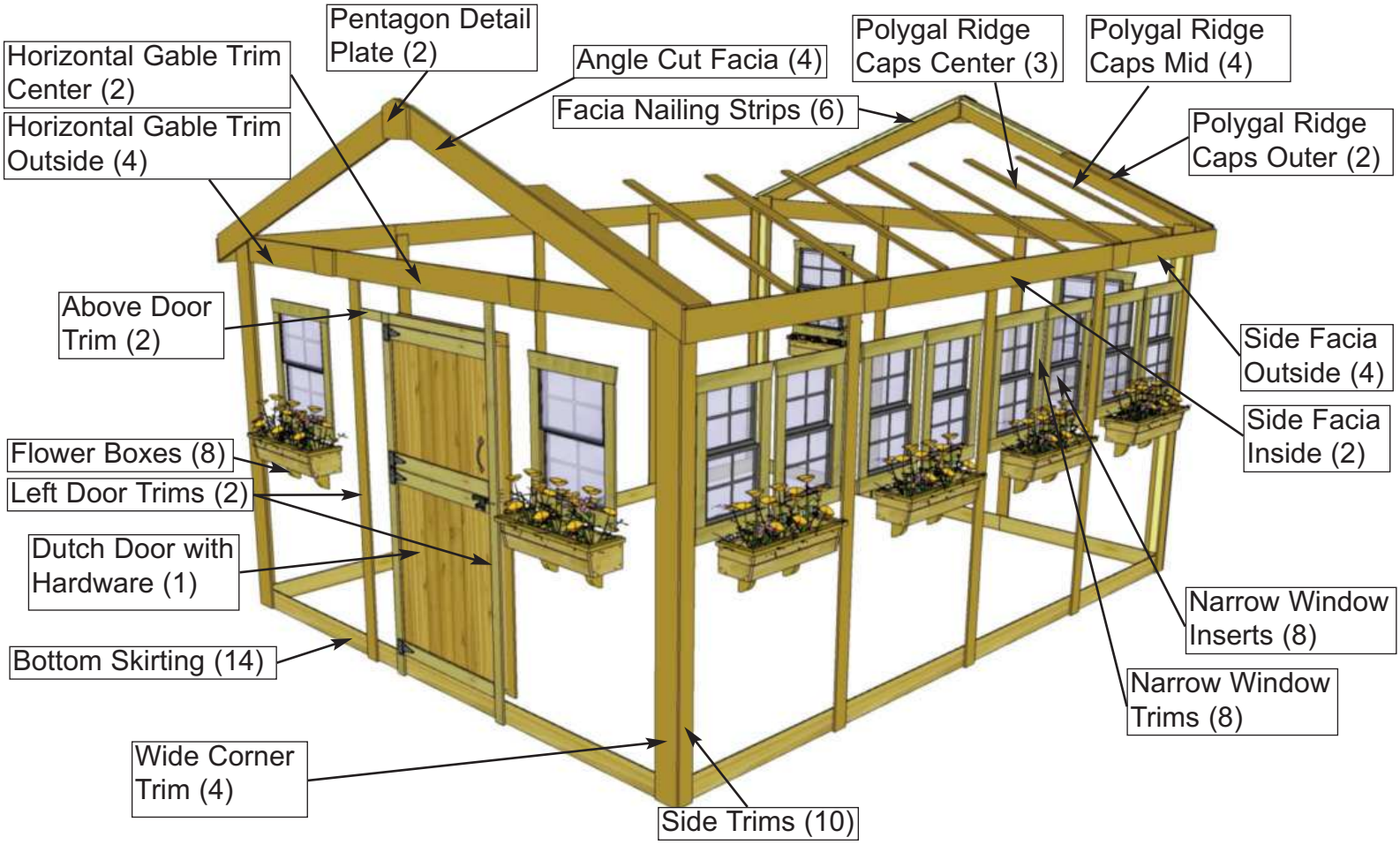


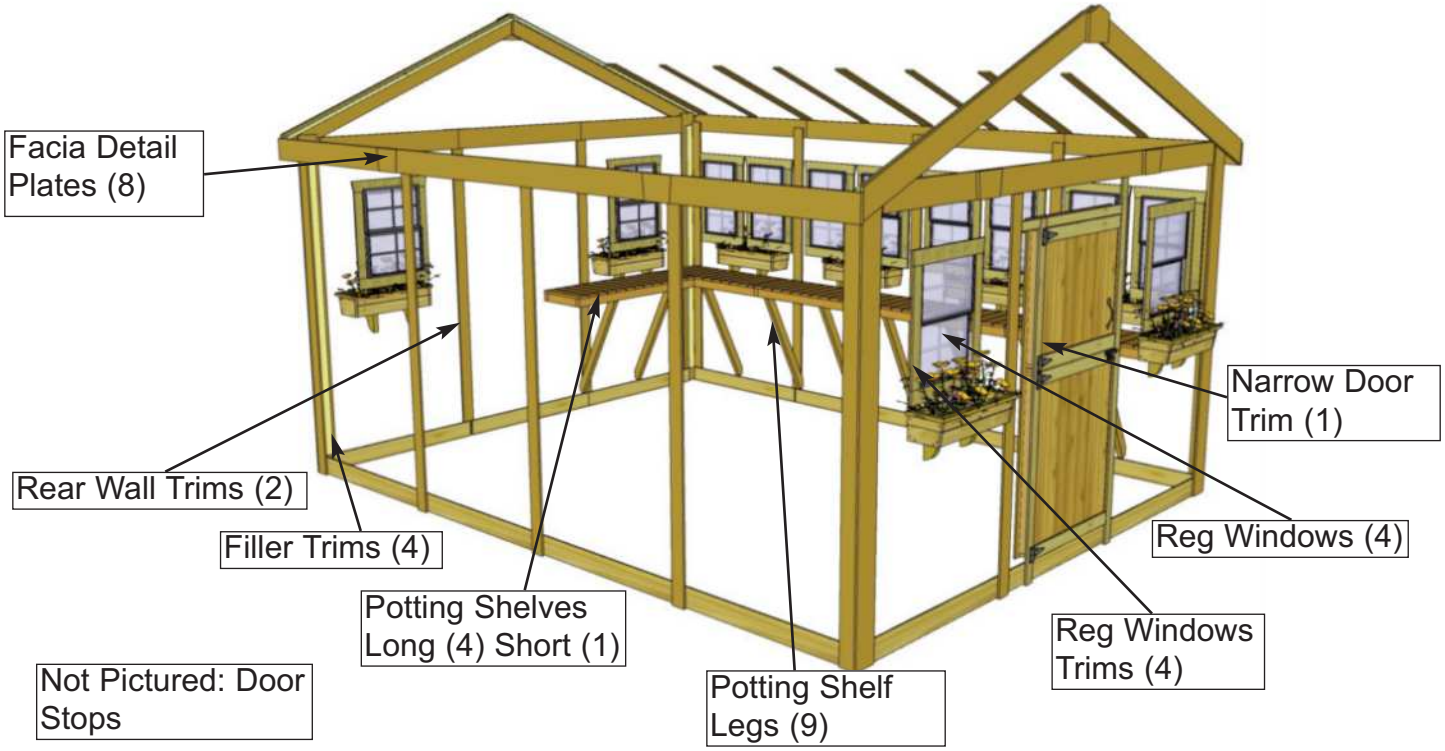


68. Drill pilot holes with 1/8" bit through **Polygal Panel** and **Polygal Support Cleat** once aligned. with **6 - 1" screws**, secure panel to **Polygal Support Cleats**. Polygal is delicate, tighten screws a half turn at a time so screws are flush with top of **Polygal Panel**. Use **3 - 1" screws** to secure **Polygal Panel** to underside of Roof **Batten**.

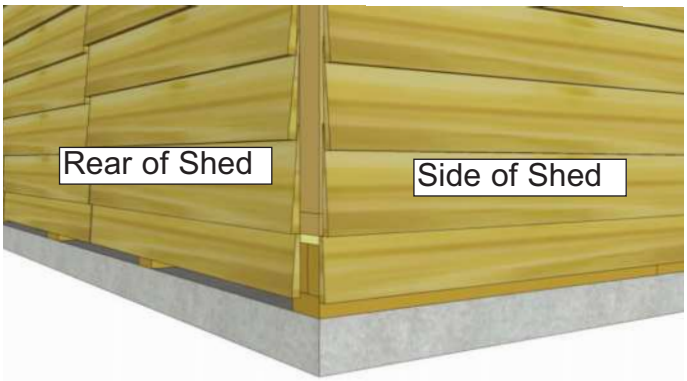
69. Position and secure remaining **Polygal Panels** as per **Steps 67 - 68**.With a caullking gun, apply silicone to seal gaps between **Rafters** and **Polygal Panels**. Apply silicone down each side of **Rafter**. Use liberal amounts to properly seal.

E. Miscellaneous Section





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



70. Attach **Bottom Skirting - Bevel** around the base of the shed. Skirting will hide floor framing. Gaps on outside will be covered by trim pieces later. Start with front and rear skirting pieces first and attach with **4 - 1 1/2" finishing nails** per piece.

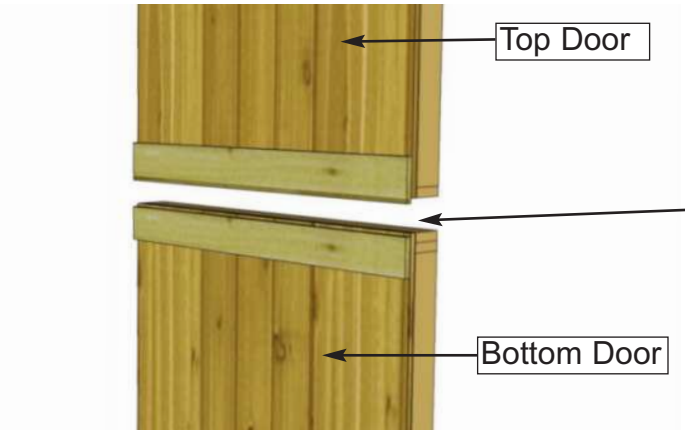
Hardware (Step 70)
1 1/2" - Finishing Nails
x 56 total

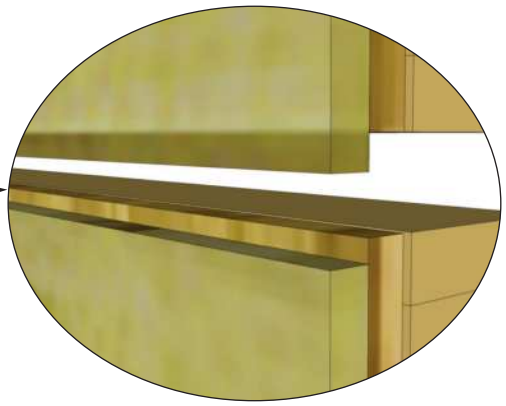
Parts (Step 70)
Bottom Skirting-Bevel
(7/8" x 4 1/2" x 45 1/4") **x 14**

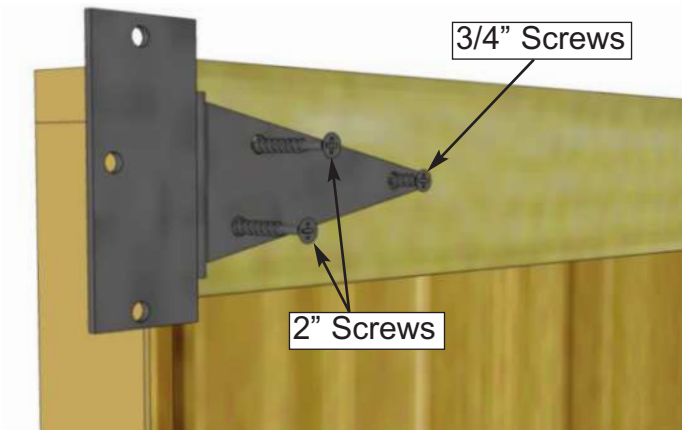
71. Position **Narrow Door Trim** on left side of door opening and one **Door Trim** on right side of door.. Right side will sit flush with **Door Jamb**. Left side will sit flush on edge of **Narrow Wall**. Do a dry run with the **Horizontal Gable Trim** from **Step 91** to determine vertical location of right trim, left trim will sit below **Drip Edge** installed in **Step 25**. Attach with **8 - 1 1/2" Finishing Nails** per piece.

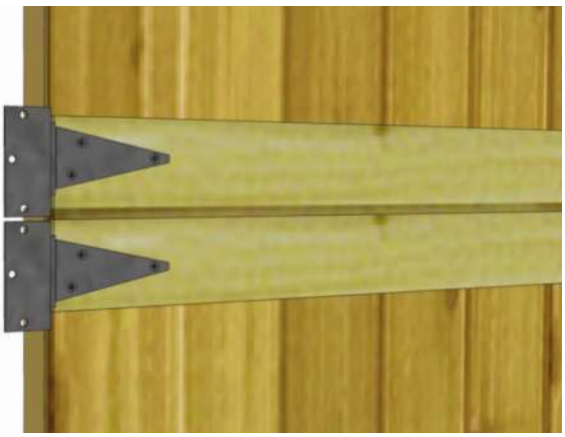
Hardware (Step 71)
1 1/2" - Finishing Nails
x 16 total

Parts (Step 71)
Narrow Door Trims
(1/2" x 2 1/2" x 79") **x 1**
Door Trim
(1/2" x 3 1/2" x 85") **x 1**

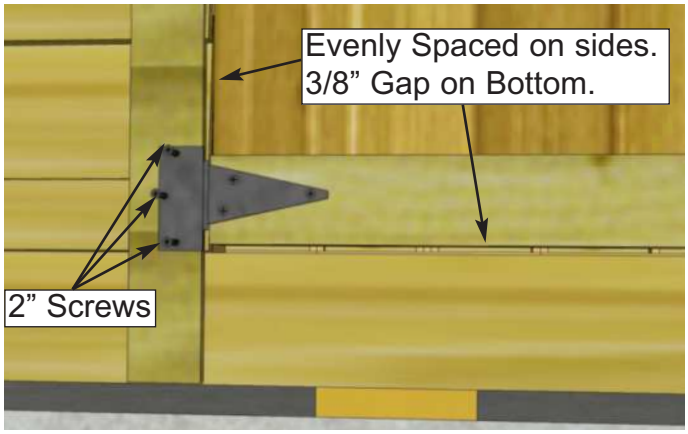




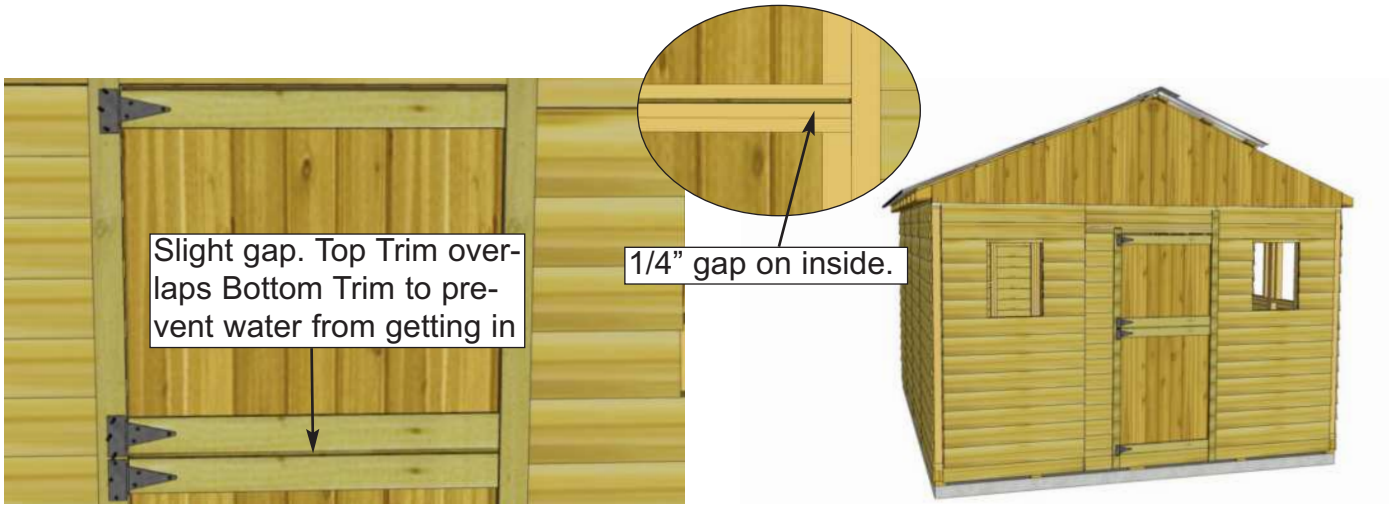




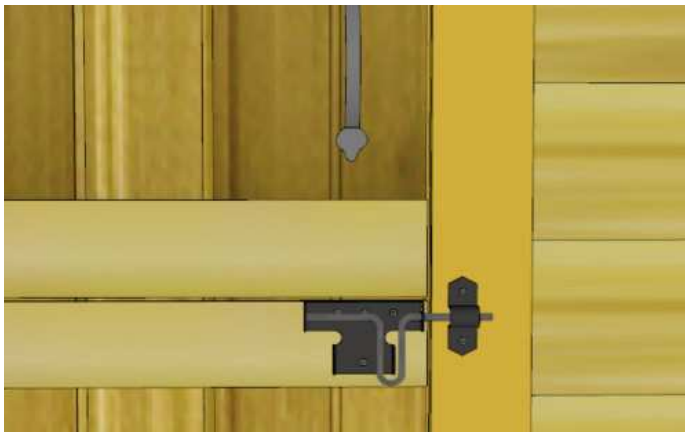
72. Attach Door hinges to Top and Bottom **Dutch Door** sections. Top Door has trim overhanging door at bottom while bottom door has trim recessed slightly. Hinges should be centered on door trim with barrel nudged to end of trim. Use **2” & 3/4” screws** as above.	Parts (Step 72) **Dutch Door** (Top) **x 1** (Bottom) **x 1**	Hardware (Step 72) **SB2 - 2” Black Screws** x 8 total **SB1 - 3/4” Black Screws** x 4 total **Y1 - Black T Hinge** x 4 total



73. Place **Bottom Dutch Door** panel into position. Gap 3/8” on bottom, evenly space on sides, and attach hinge to doorway seam trim with **3 - 2” Black Headed Screws**. Use shim to help keep the door evenly spaced on bottom. One of the **Shim Shingles** can be used.	Parts (Step 73) **Dutch Door** (Bottom) **x 1** **Shim Shingles**	Hardware (Step 73) **SB2 - 2” Black Screws** x 6 total



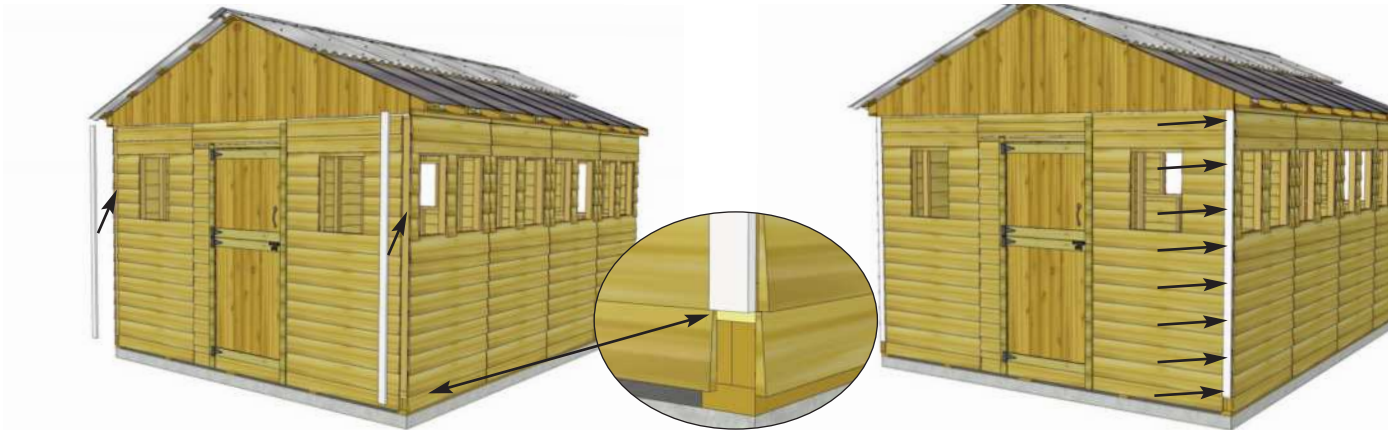
74. Place the **Top Dutch Door** panel into place and gap top and bottom trims on the outside about 1/8” apart/ On the inside, horizontal door frames should be about 1/4” apart. Use a shim once agin to help you. Attach hinges to trim with **2” Black Headed Screws** provided.	Parts (Step 74) **Dutch Door** (Top) **x 1** (Bottom) **x 1** **Shim Shingles**	Hardware (Step 74) **SB2 - 2” Black Screws** x 12 total



75. Attach **Door Handle, Exterior Drop Latch and Interior Barrel Bolt** to door. **Handle** is positioned on top door, **Drop Latch** on bottom door, and **Interior Barrel Bolt** (silver) on top door stud. Attach **Black Drop Latch** as illustrated above with **4 - 3/4” Black Screws**. Note how female part of Drop Latch is positioned higher than male part. Do a dry run first to position **Drop Latch** correctly. Important: Drill pilot holes with 1/8” drill bit prior to securing to prevent wood from splitting.	Hardware (Step 75) **SB1 - 3/4” Black Screws** x 16 total **Y3 - Black Handle** x1 **Y4 - Black Drop Latch** x1 **Y5 - Silver Barrel Bolt** x1

76. Trim out side walls by attaching **Top Wall Trim**. Position with thick end of Bevel downwards at top of wall, tight against Soffits. Attach with 4 - 1 1/2" Finishing Nails per piece. Complete both sides.

Parts (Step 76)	Hardware (Step 76)
Top Wall Trim (3/4" x 1 1/2" x 45 1/4") **x 8**	**N1 - 1 1/2" Finishing Nails** x 32 total

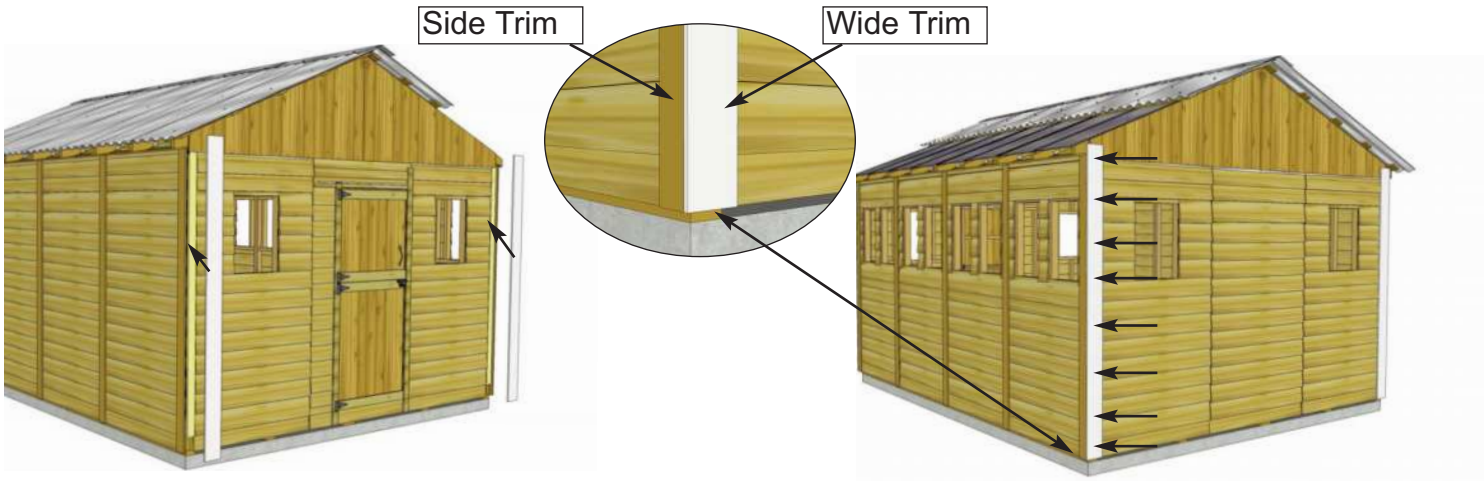


77. Attach **Filler Trim** to front and rear walls in each corner. Attach with **8 - 1 1/2" Finishing Nails** per piece. Strips are positioned flush with bottom skirting.

Parts (Step 77)	Hardware (Step 77)
Filler Trims (3/4" x 2 1/2" x 81 3/4") **x 4**	**N1 - 1 1/2" Finishing Nails** x 32 total

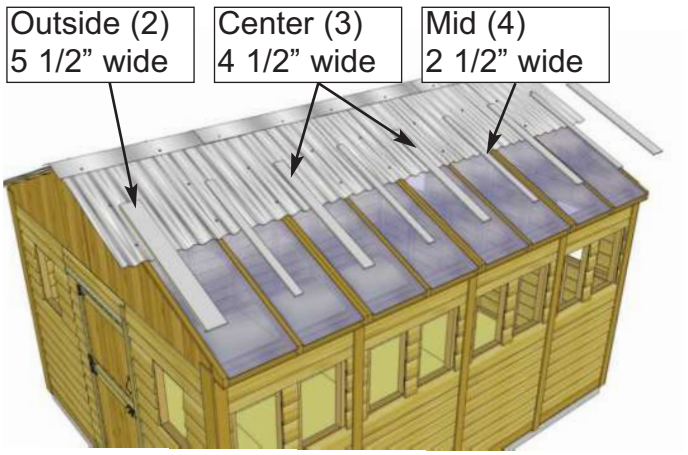
78. Attach **Side Trims** to cover side wall seams and in the corners. align tight underneath **Soffit** and even with **Filler Trims**. Attach each with piece with **8 - 1 1/2" Finishing Nails**. Note: Trim may sit slightly below **Bottom Skirting**.

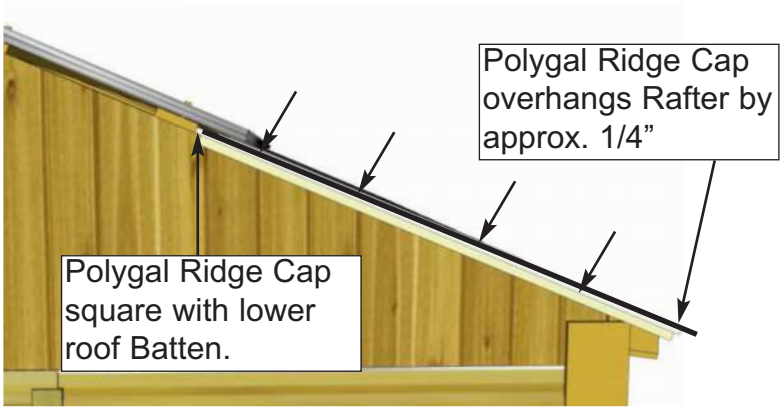
Parts (Step 78)	Hardware (Step 78)
Side Trims (1/2" x 2 1/2" x 87") **x 10**	**N1 - 1 1/2" Finishing Nails** x 80 total



79. Attach **Wide Corner Trims** over **Filler Trims**. Wide Trim will cap Side Trims. Attach with **8 - 1 1/2" Finishing Nails** per piece.	Parts (Step 79) **Wide Corner Trims** (1/2" x 5 1/2" x 90") **x 4**	Hardware (Step 79) **N1 - 1 1/2" Finishing Nails** x 32 total

80. Attach **Rear Wall Trims**. to rear of shed. Use **8 - 1 1/2" Finishing Nails** per piece.	Parts (Step 80) **Rear Wall Trims** (1/2" x 2 1/2" x 85") **x 2**	Hardware (Step 80) **N1 - 1 1/2" Finishing Nails** x 16 total





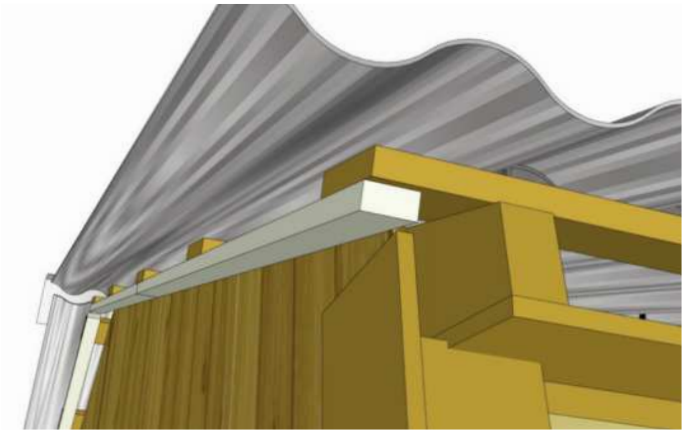
81. Locate all **Polygal Ridge Caps** (4 Mid, 2 Outside, and 3 Center). Starting form the outsides, position both 5 1/2” wide caps so the long edge with pre-attached facia nailing strip is aligned with the lower **Batten**, and cap end slides under Metal Roof. When correctly aligned, attach Caps to center of outside Rafter with **4 - 1 1/2” Finishing Nails**. Use a straight edge to align Cap with Metal Roof Panels. See above.

Hardware (Step 81 - 83)
N1 - 1 1/2” Finishing Nails
x 36 total

Parts (Step 81 - 83)
Outside Polygal Ridge Caps
(1/2” x 5 1/2” x 44”) **x 2**
Center Polygal Ridge Caps
(1/2” x 4 1/2” x 44”) **x 3**
Mid Polygal Ridge Caps
(1/2” x 2 1/2” x 44”) **x 4**

82. Position and attach **Mid Ridge Caps** evenly spaced on single **Rafters**. Align top to bottom as per **Step 81**. Secure each piece with **4 1 1/2” Finishing Nails**.

83. Position and attach **Center Ridge Caps** evenly spaced on double **Rafters**. Align top to bottom as per **Step 81**. Secure each piece with **4 1 1/2” Finishing Nails**.

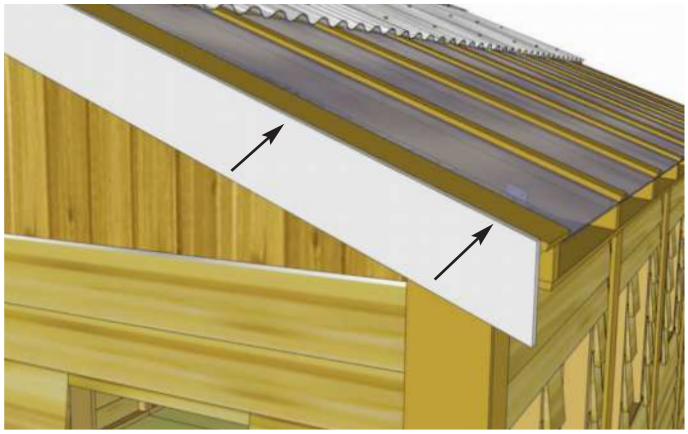


84. Attach **Facia Cleat Short** centered on underside of Polygal Side Battens, flush to edge. Attach **Facia Cleat Long** to underside of **Battens** on Non-Polygal side, flush edge to edge. Repeat this step on rear of shed. Fasten each cleat with **3 - 1 1/4" screws** per piece..	Hardware (Step 84) **S2 - 1 1/4" Screws** x 18 total Parts (Step 84) **Facia Cleat Short** (3/4" x 1 1/2" x 36 1/2") **x 2** **Facia Cleat Long** (3/4" x 1 1/2" x 40") **x 4**

Expert Advice: Do a dry run by lining up Front, Rear and Side Facia to confirm positioning prior to attaching

85. Attach **Front and Rear Facia (angle cut on ends)**, to **Facia Cleats** on Non-Polygal Roof side, with 1**0 - 1 1/2" Finishing Nails** per piece. Line up Facia so Facia ends line up with **Rafter** ends.	Hardware (Step 85, 87) **N1 - 1 1/2" Finishing Nails** x 40 total Parts (Step 85, 87) **F&R Facia (angled ends)** (3/4" x 5 1/2" x 81 1/4") **x 4**

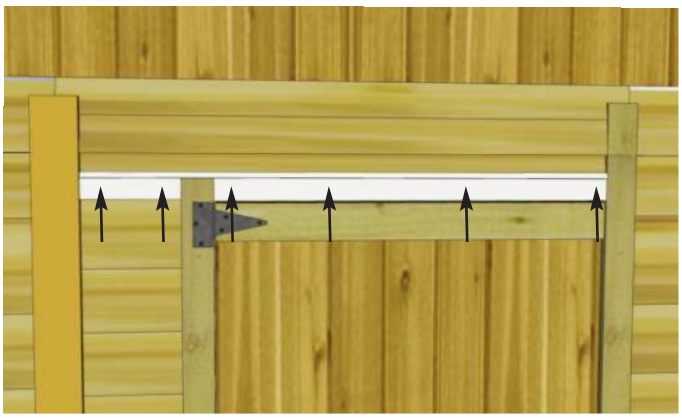
86. Attach **Side Facia** to roof **Rafter** ends. There are 3 **Side Facia** pieces per side. Secure with **8 - 1 1/2" Finishing Nails** per piece. S**ide Facia** will cap **Front and Rear Facia**.	Parts (Step 86, 88) **Side Facia** (3/4" x 5 1/2" x 49 1/2") **x 4** (3/4" x 5 1/2" x 89 1/4") **x 2**	Hardware (Step 86, 88) **N1 - 1 1/2" Finishing Nails** x 48 total



87. Attach remaining **Front & Rear Facia** pieces to **Facia Cleats** under Roof **Battens** and Outside **Ridge Cap** edge with **10 - 1 1/2" Finishing Nails** and **2 - 1 1/4" screws**. Use screws where **Outside Ridge Cap** and **Facia** meet. Once again, line up **Facia** so it is aligned with **Rafter** ends. Do a dry run with **Front, Rear and Side Facia** to confirm positioning prior to attaching.	Hardware (Step 87) **S2 - 1 1/4" Screws** x 4 total

88. Attach remaining **Side Facia** to roof **Rafter** ends as per **Step 86**. **Side Facia** fits underneath **Polygal Panels** and **Ridge Caps**.

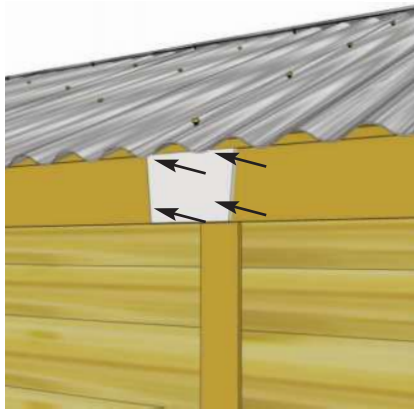
89. Attach **Door Trim** to cover seam between **Window Wall Panel** and **Narrow Wall Panel**. Use **8 - 1 1/2" Finishing Nails**.	Parts (Step 89) **Door Trim** (1/2" x 3 1/2" x 85") **x 1**	Hardware (Step 89) **N1 - 1 1/2" Finishing Nails** x 8 total



90. Attach **Horizontal Door Trims** above door and below **Drip Edge**. Attach with **2 - 1 1/2" Finishing Nails** for short piece and **4 - 1 1/2" Finishing Nails** for longer piece.	Parts (Step 90) **Horizontal Door Trim** (1/2" x 2 1/2" x 8") **x 1** (1/2" x 2 1/2" x 32") **x 1**	Hardware (Step 90) **N1 - 1 1/2" Finishing Nails** x 6 total

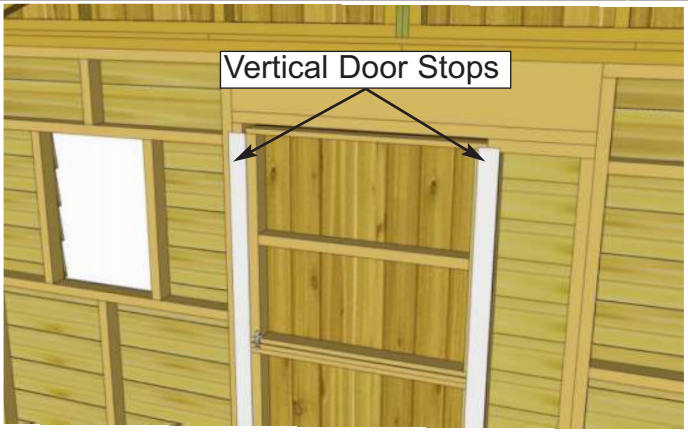
91. Locate **Horizontal Gable Trims** for both front and rear of shed. Position equally over Gable and Wall seam. Attach each piece with **6 - 1 1/2" Finishing Nails**.

Parts (Step 91)	Hardware (Step 91)
Horizontal Gable Trims (3/4" x 4 1/2" x 42") **x 2** (3/4" x 4 1/2" x 45 1/4") **x 4**	**N1 - 1 1/2" Finishing Nails** x 36 total



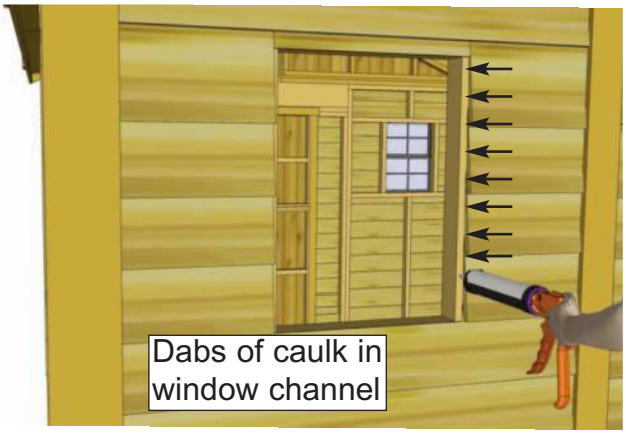
92. Attach **Facia Detail Plates** and **Pentagon Detail Plates** to cover seams where **Facia** and **Trim** pieces come together. Secure each with **4 - 1 1/2" Finishing Nails**.

Parts (Step 92)	Parts (Step 92	Hardware (Step 92)
Pentagon Detail Plates (9 1/2" x 7 1/2") **x 2** **Facia Detail Plates** (8" x 5 1/2") **x 4**	**Gable Detail Plates** (8" x 4 1/2") **x 4**	**N1 - 1 1/2" Finishing Nails** x 36 total



93. Attach **Interior Vertical** and **Horizontal Door Stops** to door framing from inside of shed. Use **4 - 2" screws** to secure each stop. Stops should overlap door by approx. 1/2".

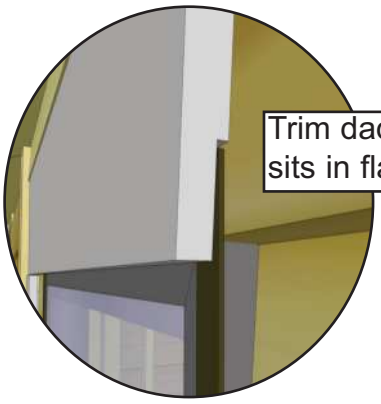
Parts (Step 93)	Hardware (Step 93)
Door Stops (1/2" x 2 1/2" x 72") **x 2** (1/2" x 2 1/2" x 36") **x 1**	**S3 - 2" Screws** x 12 total



94. Locate **Window Inserts**. There are two type **Regular** and **Narrow** (for double window walls). Before installing, dab caulk in siding channel on both sides and across top of window opening. This will prevent water from getting in beind window. Position window in cavity and secure with **8 - 1 1/4" screws**. **Window trims** will be installed next to hide caulking.

Parts (Step 94)
Regular Window Inserts
x 4
Narrow Window Inserts
x 8

Hardware (Step 94)
S2 -1 1/4" Screws
x 96 total



95. Position **Window Trim** around window doing a dry run first and attach with **4 - 1 1/2" Finishing Nails** per piece. There are two Trim Kits (Regular/Narrow). The regular window kit = 1" x 24 1/16"=top (angle cut on ends), 3" x 23" = Sides and Bottom. Narrow window kit = 1" x 19 7/8" Top, 2" x 21 7/16" Sides, 1" x 18 3/4" Bottom. Window trim has a small dado on reverse face. Outside flange of window will roughly sit in the dado to give a better fit.

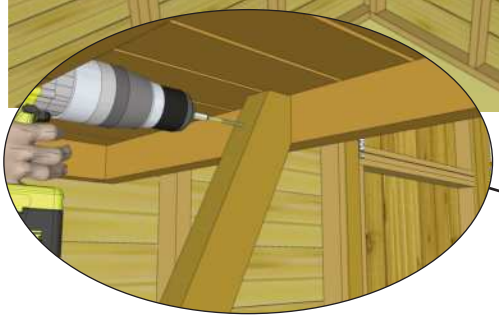
Hardware (Step 95)
N1 -1 1/2" Finishing Nails
x 224 total

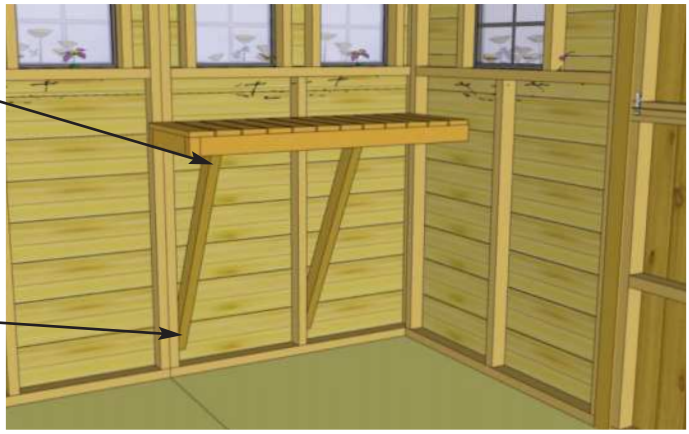
Parts (Step 95)
Regular Window Trim
x 4
Narrow Window Trim
x 8

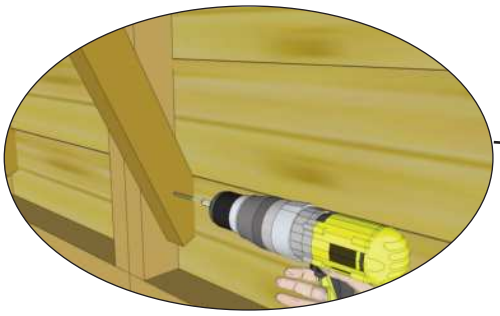
96. Assemble **Flower Box Kits** with Assembly Instructions included on Page 51. Position completed Flower Box below bottom of window trim and secure with **2 - 2 1/2" screws**. Screw from inside of box into the center wall stud.Attach second screw 2" underneath first screw and once again into the wall stud. Install Flower Box Kits underneath each window/double-window..

Hardware (Step 96)
S1 - 2 1/2" Screws
x 16 total

Parts (Step 96)
Flower Box Kits
x 8





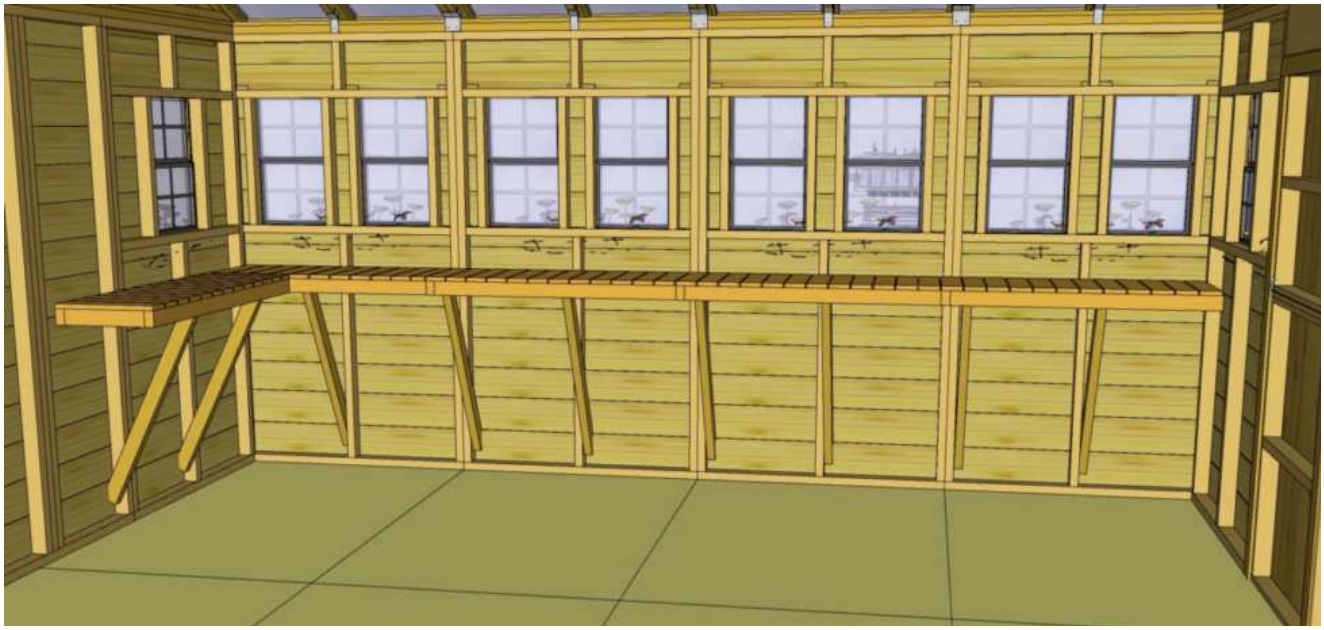


97. Locate **Long Potting Shelf** and 2 **Potting Shelf Legs**. Position shelf in corner tight against wall framing. While supporting the shelf, attach shelf with **2 - 2 1/2" screws** to wall frame. Place leg underneath shelf and attach to inside shelf framing and wall framing as illustrated above with **2 - 2 1/2" screws**.

Parts (Step 97)
Long Potting Shelves
(16" x 45") **x 4**
Short Potting Shelf
(16" x 41") **x 1**
Potting Shelf Legs
(1 1/2" x 2 1/2" x 38") **x 9**

Hardware (Step 97)
S1 - 2 1/2" Screws
x 38 total

98. Place next **Potting Shelf** against wall framing and end of Long Shelf framing. Attach with **2 - 2 1/2" screws** as per **Step 97** to first shelf and wall framing. Use a level to confirm shelving is square and level. Attach legs as previously illustrated. Screw to wall stud and up into the underside of shelf framing. Continue attaching shelves along wall as per **Steps 97-98**. Short Potting Shelf goes in the corner and only receives one leg.

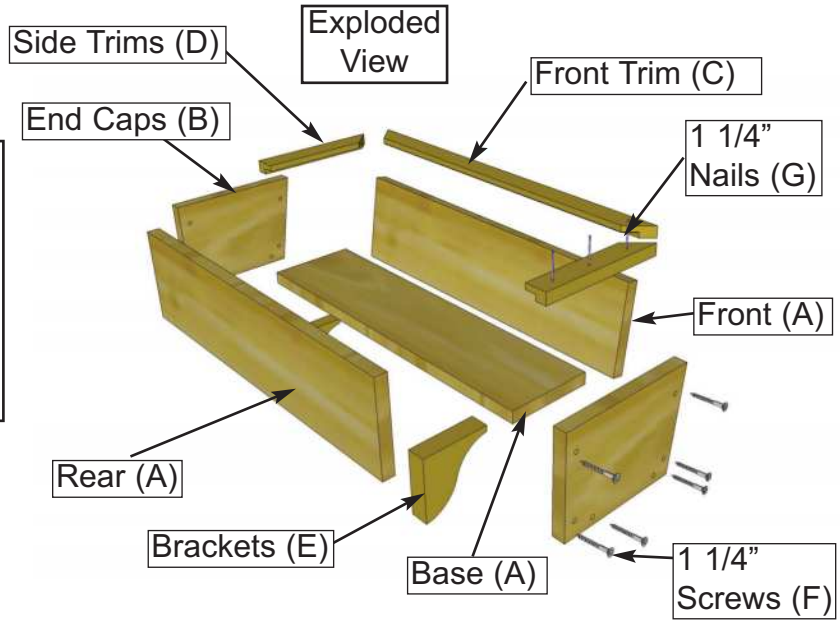


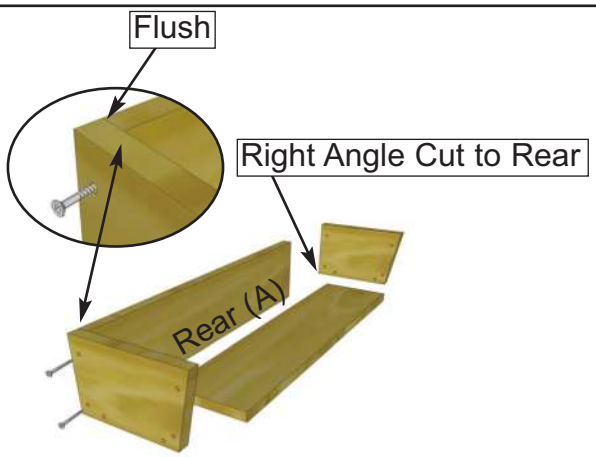
Congratulations on completing your new 12 x 16 Sunshed Garden Shed!

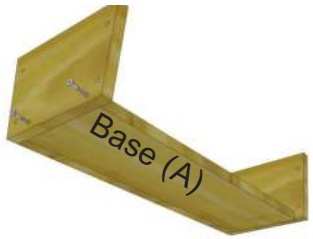
Outdoor Living Today
Flower Box Assembly Instructions

Parts Lists:

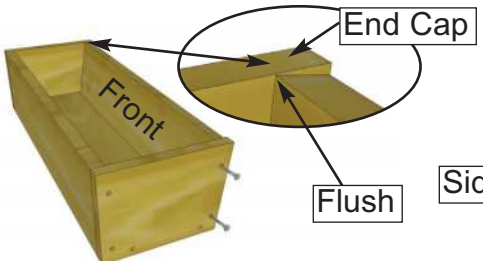
A - Base, Rear & Front Box Frames	**(3pcs)**	3/4" x 5 1/2" x 23"
B - End Cap Frames	**(2pcs)**	3/4" x 5 1/2" x 7" / 8"
C - Front Trim	**(1 pc)**	3/4" x 1 1/2" x 26"
D - Side Trims	**(2 pc)**	3/4" x 1 1/2" x 8 3/4"
E - Brackets	**(2 pc)**	1 1/2" x 5 1/2" x 5 1/2"
F - 1 1/4" Screws		
G - 1 1/4" Nails		

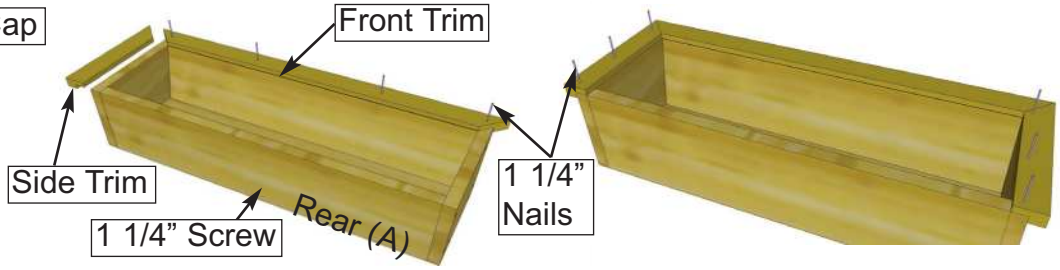




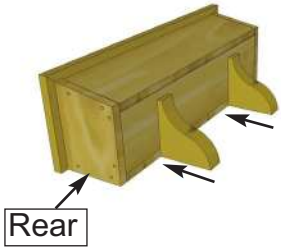


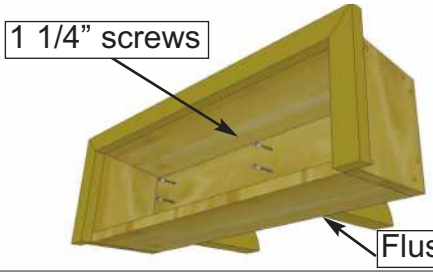
1. On a table position Rear Box and End Cap Frames together so flush at top. Fasten together with 2 - 1 1/4" screws. Place Base Frame tight against Rear and End Cap and flush at bottom. Secure with 2 - 1 1/4" screws. Complete attachment of remaining End Cap Frame. Slide Front Frame between End Caps.

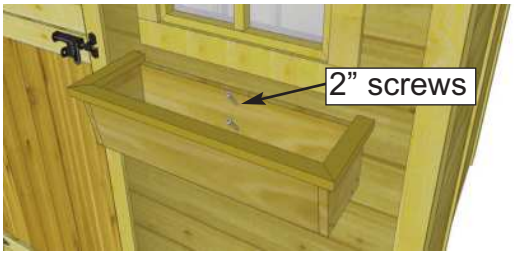




2. Position Front Frame Piece flush with End Cap. Attach both ends with 2 - 1 1/4" screws. Pilot hole Rear Box Frame near bottom center and secure to Base edge with 1 - 1 1/4" screw. Evenly position Front Trim (mitre cut on end and dado cut on inside bottom) tight against front frame and nail down with 4 - 1 1/4" nails. Position Side Trims as per Front and secure with 3 - 1 1/4" nails per side.







3. On a flat surface, flip Flower Box on it's rear face. Evenly space Brackets and secure through Base Frame and into the Brackets with 2 - 1 1/4" screws per Bracket. Position completed Flower Box beneath window trim and screw from inside of box into the center wall stud with 2 - 2" screws. (2" screws supplied with Base Kit.)

Completed 12x16 SunShed

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

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

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

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

Please call, write or email us at:

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