

ASSEMBLY MANUAL

12x16 Space Master

Stock Code:
SM1216-CEDAR
SM1216-METAL
SM1216-PLY

Version #2.0
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What You Need to Know

Thank you for purchasing a 12x16 Space Master.

Please take the time to identify all the parts prior to assembly.

IMPORTANT INFORMATION

It is the sole responsibility of the customer to check with your local municipal or county by-laws before ordering this product to confirm it complies with building codes in your area. If the product is elevated, any structural and building code requirements are solely the customer's responsibility, and should be abided by.

Snow load ratings vary by geographical location. If heavy or wet snowfall occurs, it is advisable to sweep snow off roof frequently. 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.

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.

Warranty

In the event of a missing or broken piece, please contact Outdoor Living Today Customer Support at olmsupport@outdoorlivingtoday.com 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.

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

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 two 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.

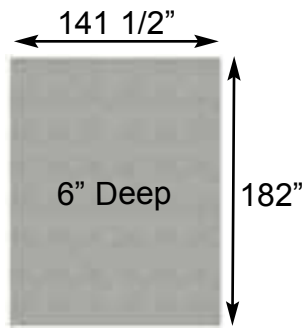
You can find the footprint for your shed on Page 3 of your Assembly Manual.



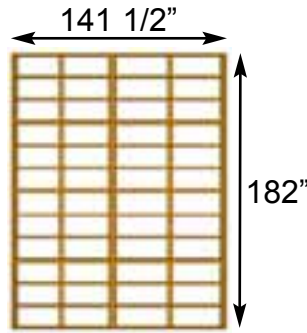
If doing the assembly yourself, have all the necessary tools ready to go and in working condition. A list of required tools can be found after the parts list.

Foundation Types for 12x16 Garden Shed

1.



Concrete Foundation



Floor Frame



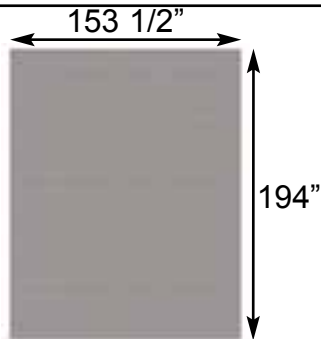
Completed Foundation

Concrete Slab Foundation:

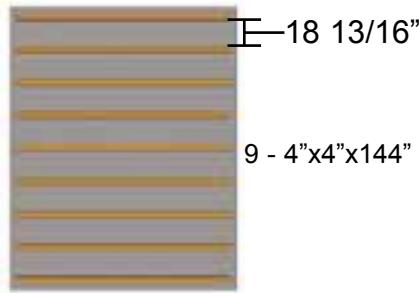
- Slab must be at least the same size as assembled floor frame (141 1/2" x 182") or larger.
- 6" Deep foundation.
- 3.4 Cubic Yards of concrete required.
- A concrete slab will have the longest durability out of your foundation options.

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

2.



Gravel Foundation



Gravel Foundation with treated stringers



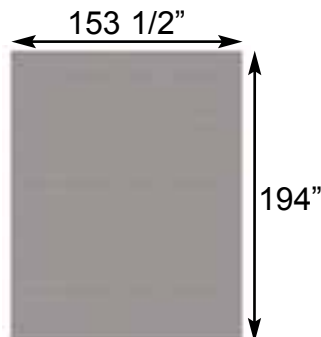
Completed Foundation

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.

3.



Gravel Foundation

45 Patio Stones



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.

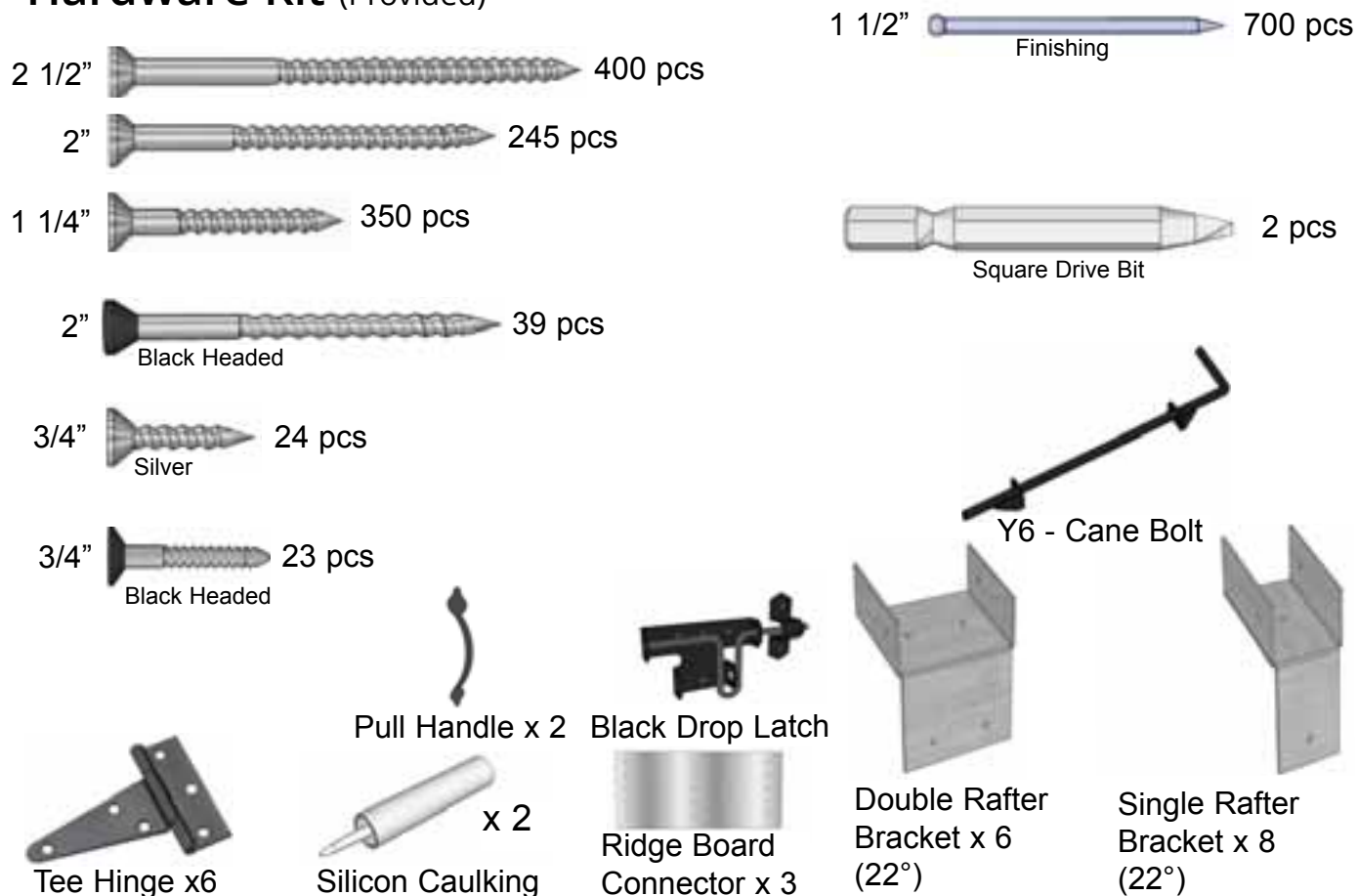
Patio paver stones are widely available from most landscape stores.

Please take the time to identify all the parts prior to assembly.

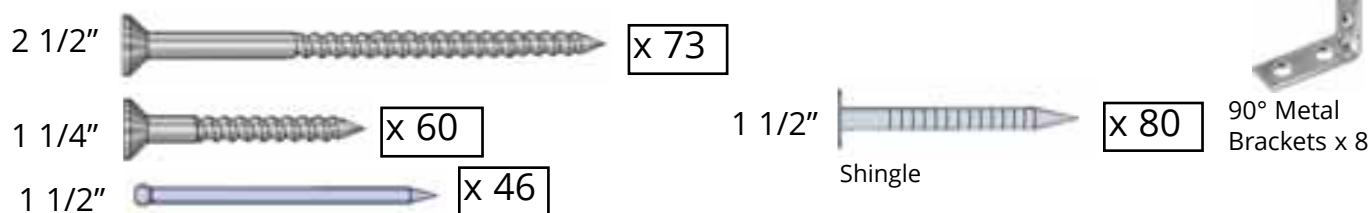
Page 5

12x16 SPACE MASTER HARDWARE SHEET

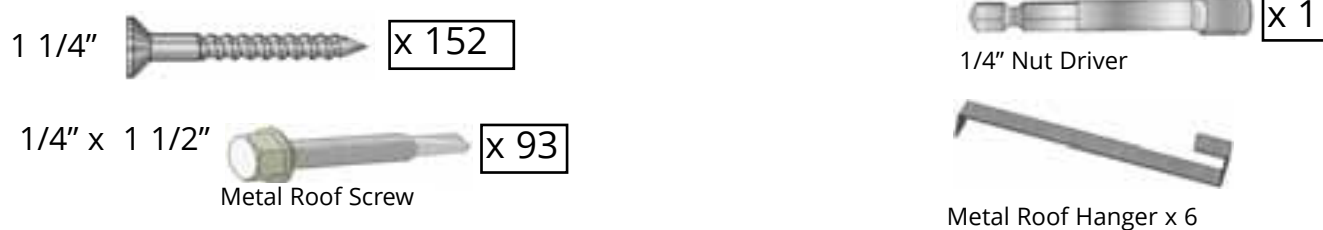
Hardware Kit (Provided)



Hardware Kit - CEDAR ROOF (Provided)



Hardware Kit - METAL ROOF (Provided)



Hardware Kit - PLYWOOD ROOF (Provided)



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



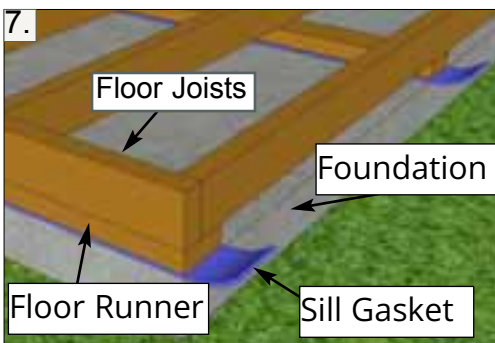
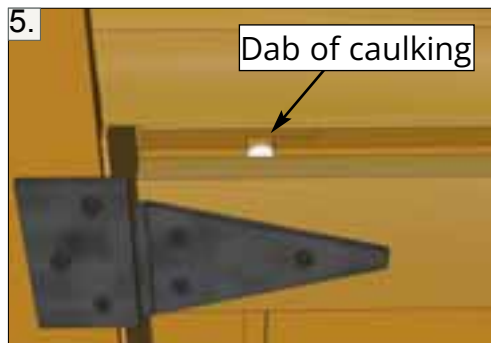
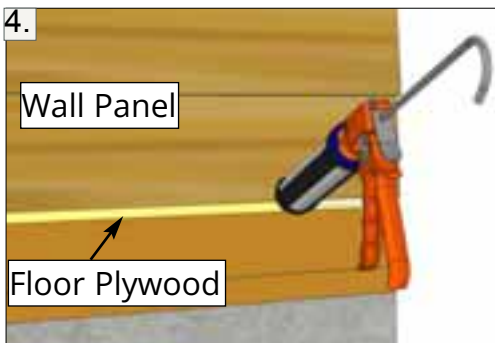
Work Gloves

Assembly Manual shows instructions for the 12x16 Space Master and three different roof options. Please proceed to correct roof section depending on your selected roof type after rafter installation.



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 (if applicable).
- 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:

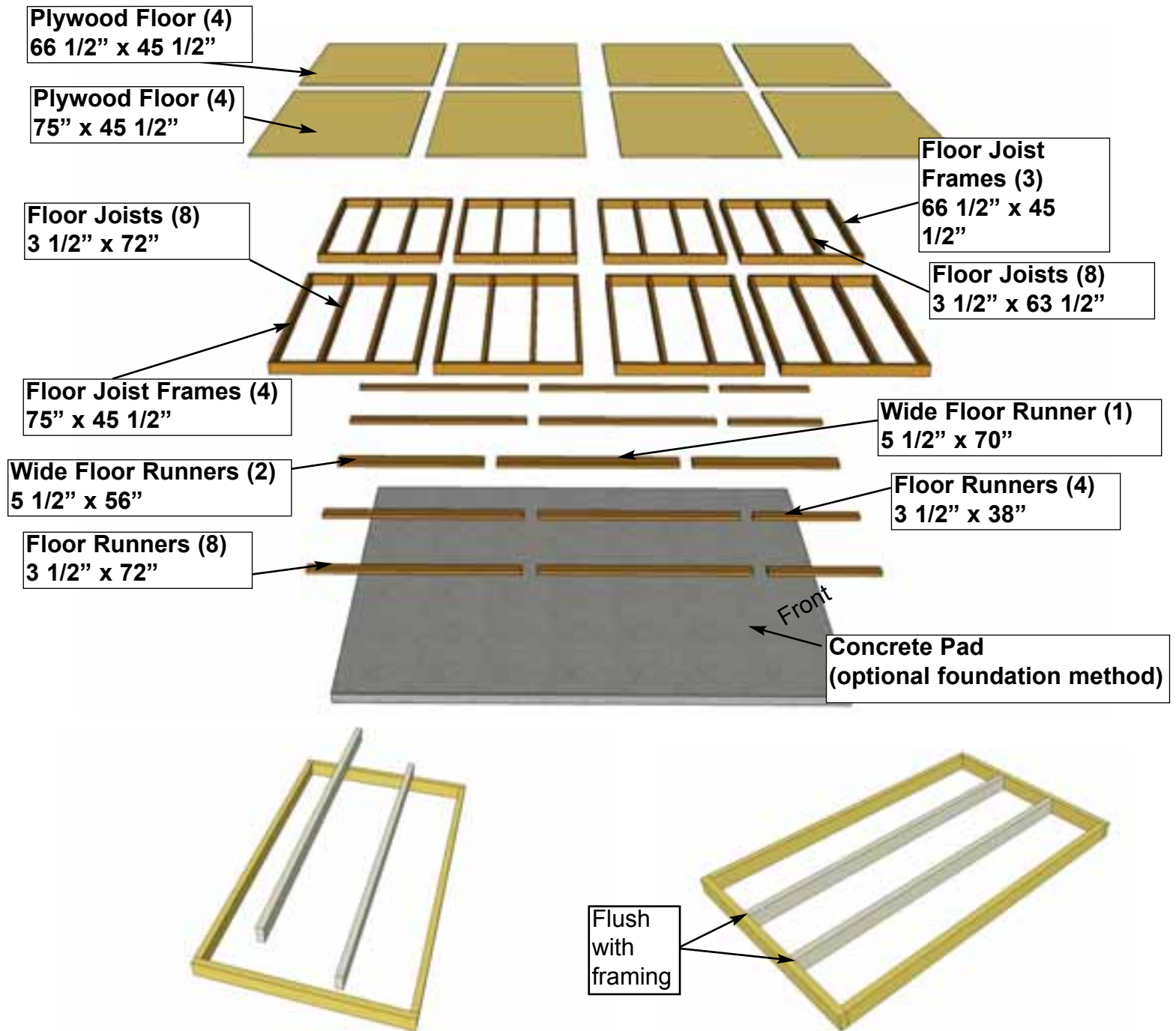
- Routinely check all fasteners are tight (ex. Door Hinges, Nails)
- Brush off dirt from walls.
- Brush off snow from roof regularly.
- Routinely remove needles and leaves from roof.

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.

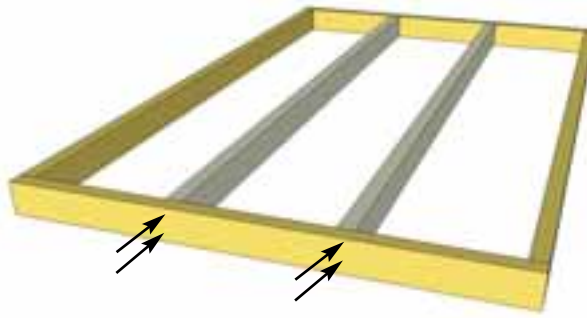


A1. Lay out all **Floor Joist Frames** and **Floor Joists** on ground as illustrated above. Position 72" Floor Joists in 75" frames and 63 1/2" Floor Joists in 66 1/2" frames. Position Joists equally in Floor Joist Frame. Position Joist so flush with framing.

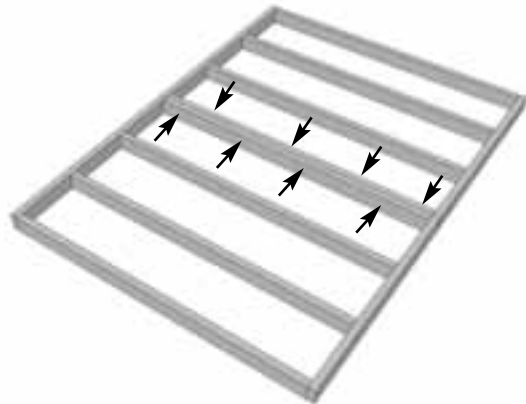
Parts (Steps A1 - A3)
Floor Joists - Large
 (1 1/2" x 3 1/2" x 72") x 8
Floor Joists - Small
 (1 1/2" x 3 1/2" x 63 1/2") x 8
Floor Joist Frames - Large
 (45 1/2" x 75") x 4
Floor Joist Frames - Small
 (45 1/2" x 66 1/2") x 4

Hardware (Steps A1 - A3)
S1 - 2 1/2" Screws
 x 58 total

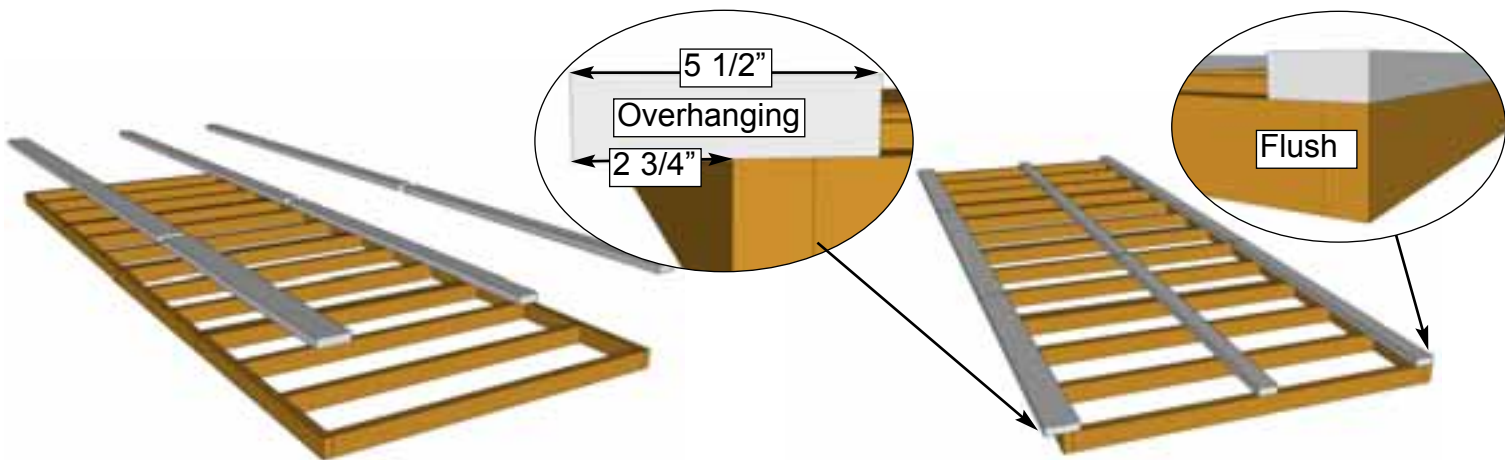
You can find the Square Drive Bit for the screws in with the Hardware Kit Bag.



A2. 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.



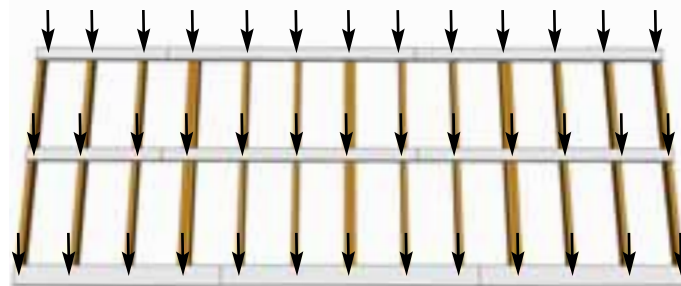
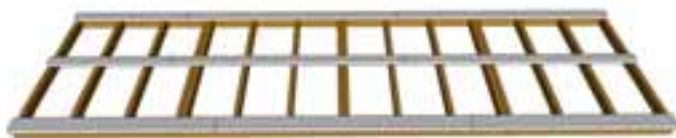
A3. Lay out 75" Floor Frames as shown above. Attach each completed frame to the next with 8 - 2 1/2" screws (24 Total). Once complete assemble 66 1/2" Floor Frames the same way.



A4. 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 A4 - A9)
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

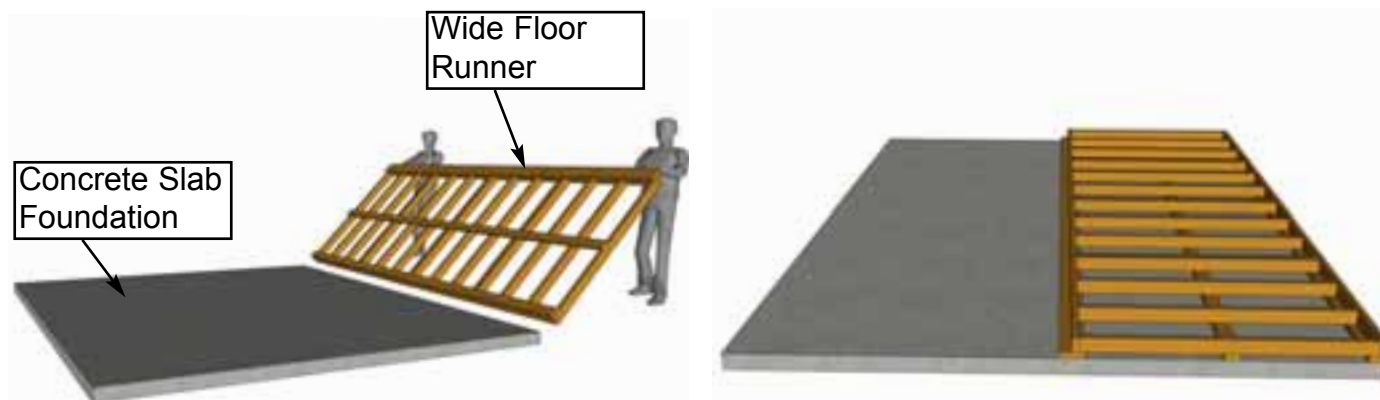
Hardware (Steps A4 - A9)
S1 - 2 1/2" Screws
 x 116 total



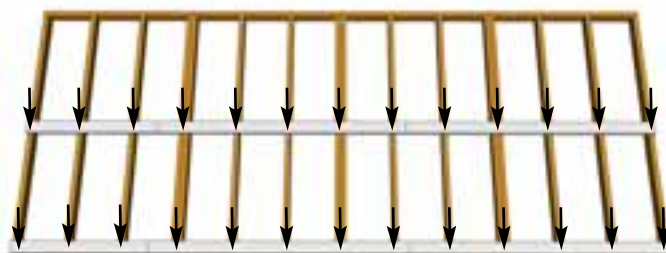
A5. Attach **Floor Runners** to **Floor Frames** with 13 - 2 1/2" screws per completed runner length (39 Total). For **Wide Floor Runner** use 4 screws in the 56" pieces and 5 screws in the 70" piece. For the 3 1/2" **Floor Runner** use 5 screws for the 72" pieces and 3 screws for the 38" pieces.

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.

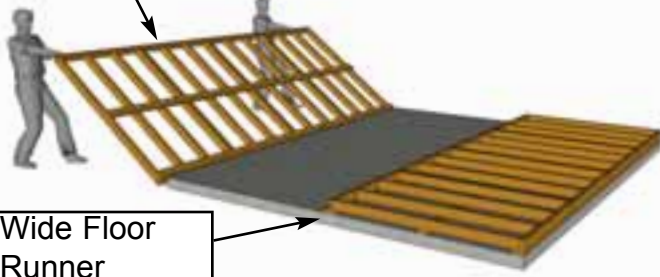


A6. With some helpers, flip the floor section over so it rests on your foundation. **Wide Floor Runner** should rest in the center of your foundation. **Caution:** you will need 2 people to assist you. Be careful when laying floor down not to bend or twist floor. When in place, level floor completely.

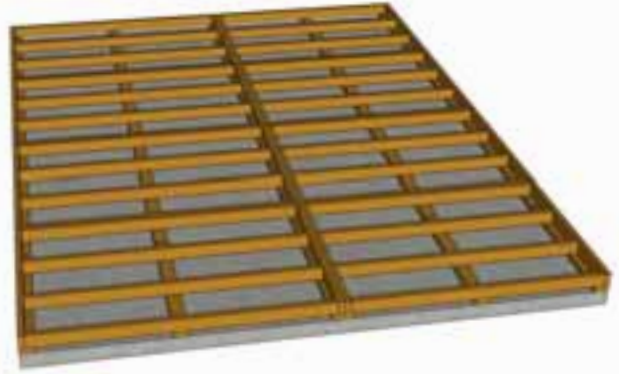


A7. Lay out remaining **Floor Runners** on second set of floor frames (4x 72" Runners and 2x 38" Runners). Attach remaining runners with a total of 26 - 2 1/2" screws as per **Step 5**.

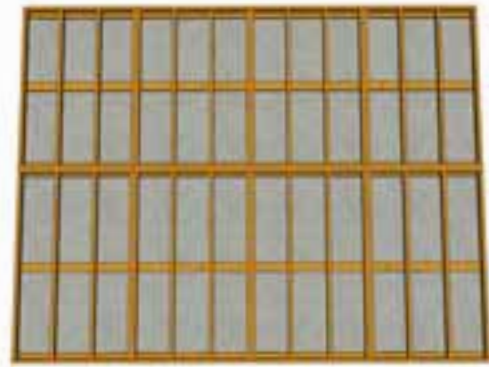
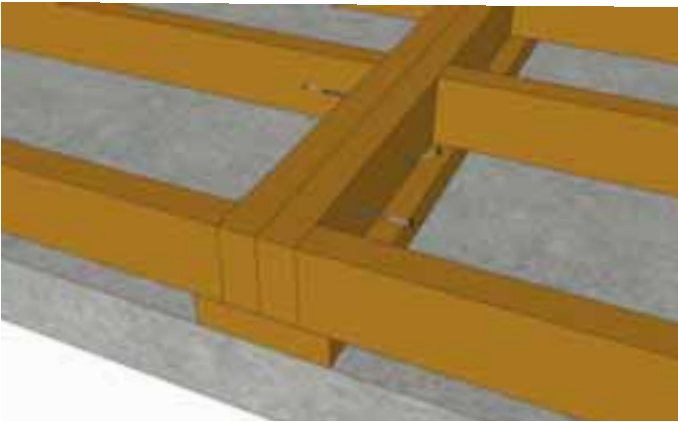
Edge without
Floor Runner



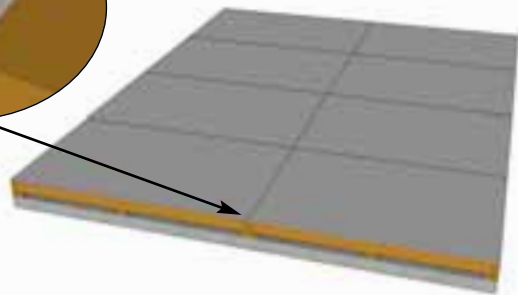
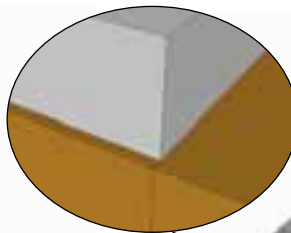
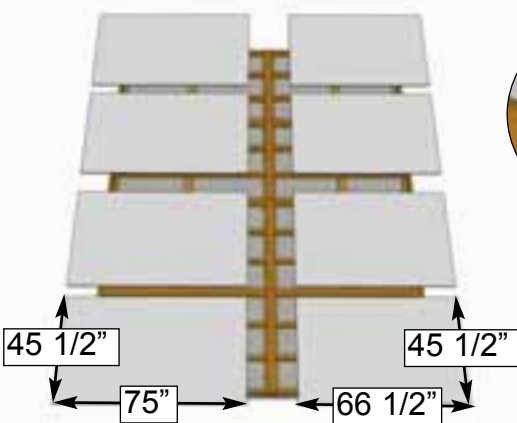
Wide Floor
Runner



A8. With a helper, flip remaining floor section over onto your foundation. Edge of frame without floor runner should land on wide floor runner.



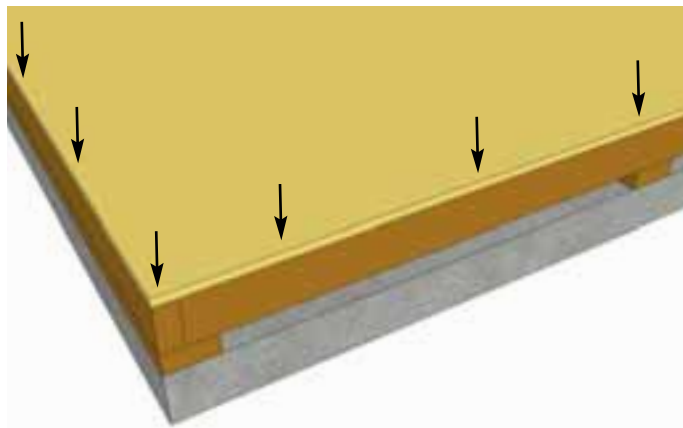
A9. To attach floor sections together attach each **75" Frame** to **66 1/2" Frame** with 3 - **2 1/2" screws (36 Total)**. Use 2 screws on both sides to attach horizontally. On the 66 1/2" Frame side toenail one screw into the **Wide Floor Runner**.



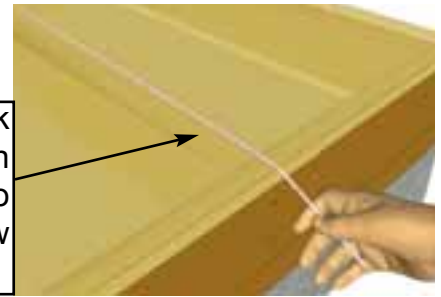
A10. Position **Plywood Floor** pieces (8) on top of completed **Floor Joists**. Plywood will sit slightly back from edge of **Floor Joist Framing**.

Parts (Steps 10 - 11)
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

Hardware (Steps 10 - 11)
S2 - 1 1/4" Screws
 x 120 total

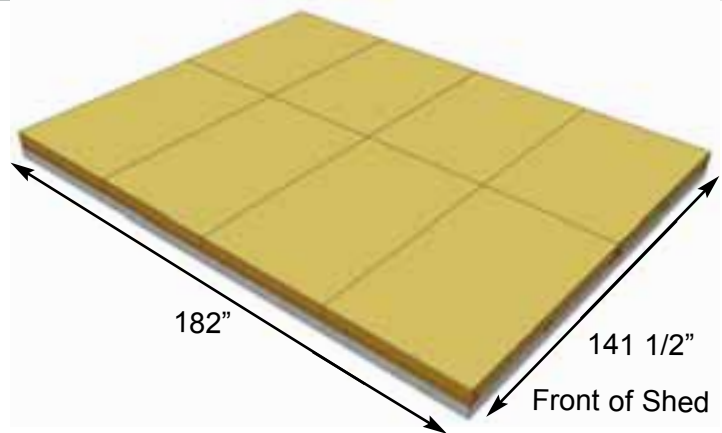


Hint: Use a chalk line to mark location of floor joists to determine screw placement.



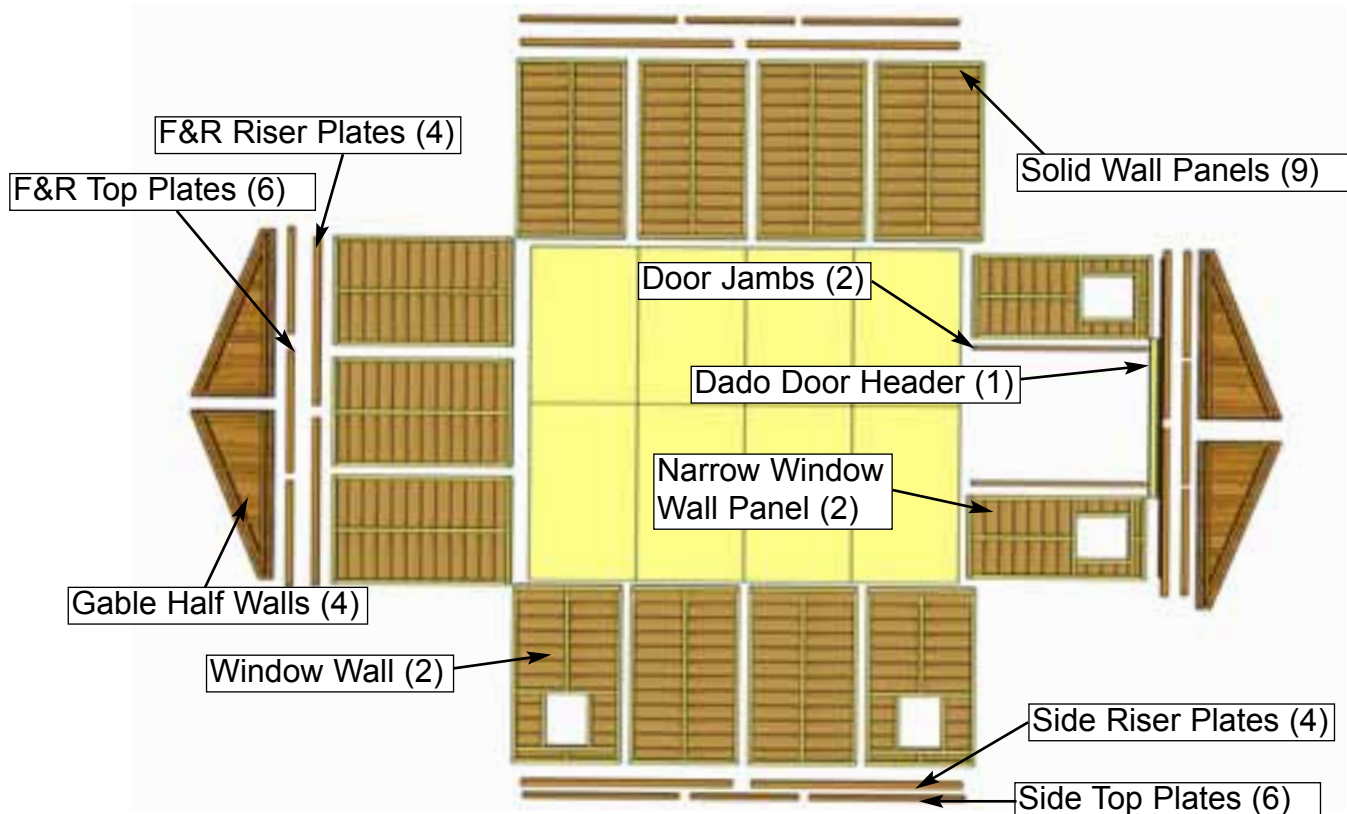
A11. With **Floor Plywood** pieces in position, attach with **1 1/4" screws**. Use screws every 16" (approximately 120 total). The plywood is cut slightly smaller than floor framing. Keep plywood seams tight.

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



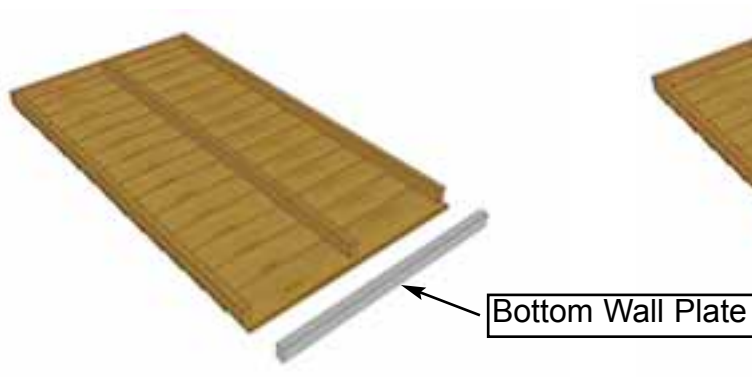
B. Wall Section

Note: 45.5x75 window walls can be placed where ever the customer wishes to install them.



Important:

Pilot hole **ALL** 2x3 Wall Studs with 1/8" drill bit prior to screwing. This will make it much easier to attached together.

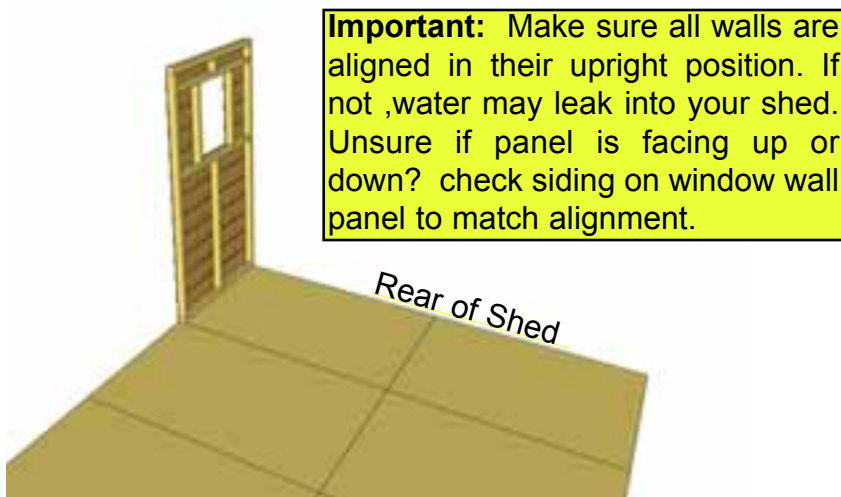


Pilot Hole Plate first.

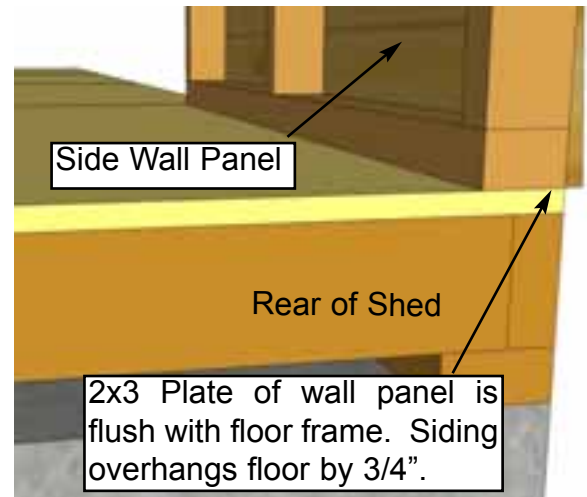
B1. Starting with **Solid Wall Panels**, carefully lay panel face down. Position and attach **Wall Plate** to bottom of wall studs of each **Wall Panel** with **3 - 2 1/2" screws**. Position so plates are flush with framing. **Note:** Bottom Wall Plates may already be attached to some Solid Walls.

Parts (Step B1)
Solid Wall Panels
 (45 1/2" x 75") x 9
Bottom Wall Plates
 (1 1/2" x 2 1/2" x 45 1/2") x 9

Hardware (Step B1)
S1 - 2 1/2" Screws
 x 27 total



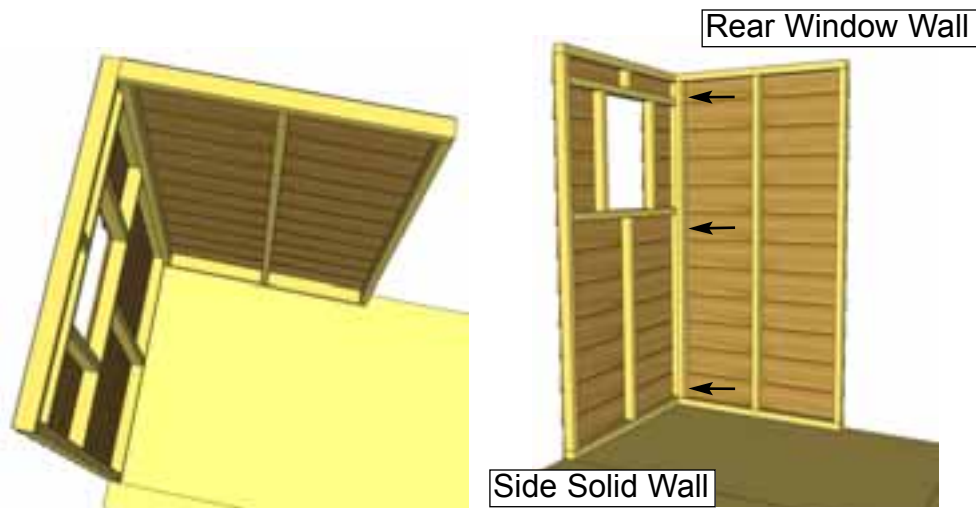
Important: Make sure all walls are aligned in their upright position. If not, water may leak into your shed. Unsure if panel is facing up or down? check siding on window wall panel to match alignment.



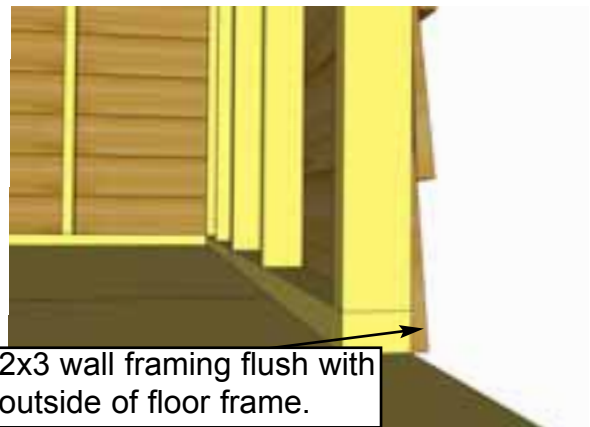
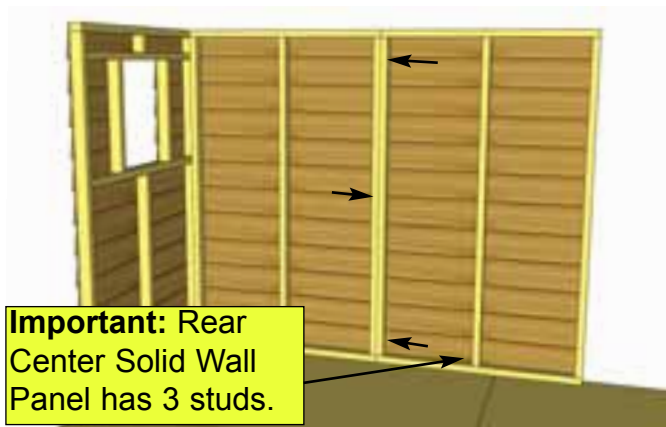
B2. Starting at Rear Corner, position a **window Wall Panel** on top of plywood floor. Make sure panel is facing up. The **Side Wall Panels** will sit flush with floor frame with the front and rear panels sandwiched between them. **Note:** siding will overhang the floor by approx. 3/4".

Parts (Step B2)
Solid Wall Panels
 (45 1/2" x 75") x 9
Window Wall Panels
 (45 1/2" x 75") x 2
Narrow Window Wall Panels
 (34 3/4" x 81 3/4") x 2

Hardware (Step B2)
S1 - 2 1/2" Screws
 x 39 total



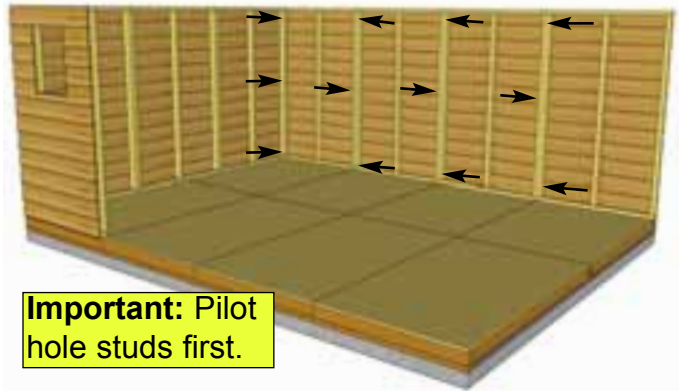
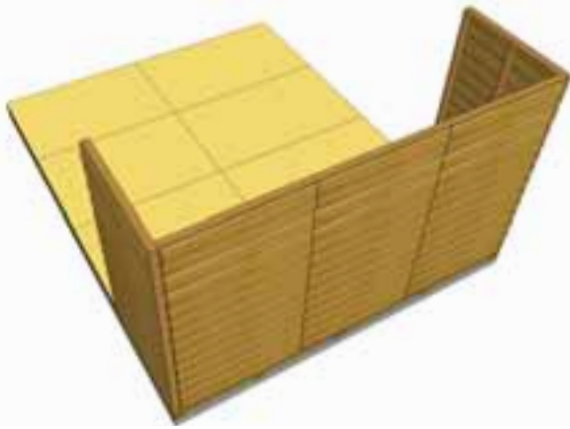
B3. Position rear **Wall Panel** into place on plywood floor. Butt both vertical wall studs of side and rear walls together and attach with **3 - 2 1/2" screws**. Screw at the bottom, middle and top of stud to secure properly.



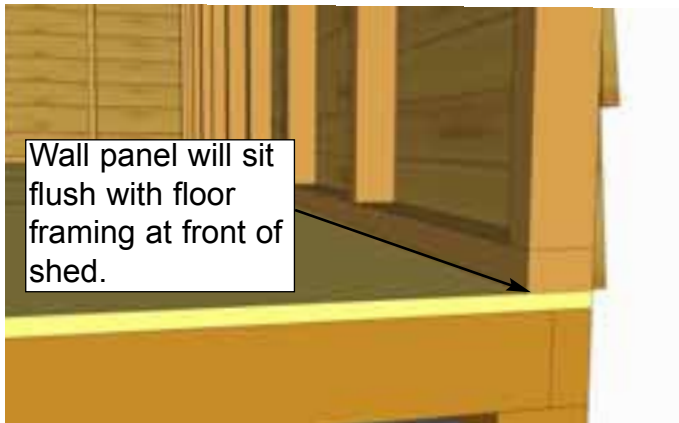
B4. With the corner wall attachment complete, position a **Rear Solid Wall Panel** so bottom 2x3 wall framing is sitting flush with outside floor frame. Wall siding should overhang floor by approximately 3/4". Attach rear wall panel studs together as per **Step B3**.

B6. Position the final Rear Panel on the floor. Position vertical wall studs together and attach as per **Step B3**.

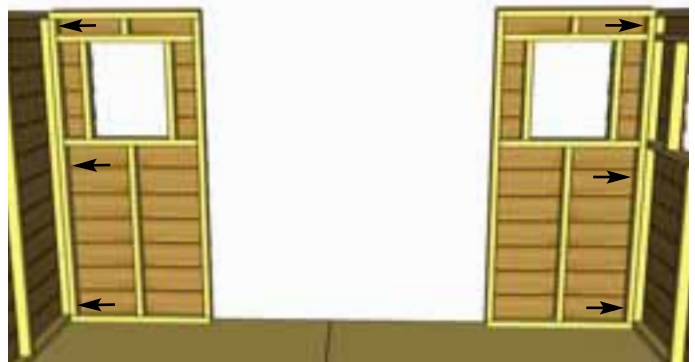




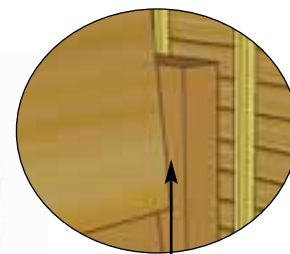
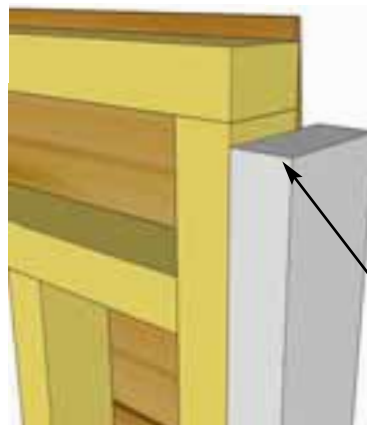
B6. Attach a **Solid Wall Panel** in corner. Attach as per **Step B3**. Start positioning and securing remaining **Solid Walls**. Attach wall studs together as per **Step B3**.



B7. Complete attachment of left side **Solid Wall Panels** and **Window Wall Panels**. At the front of the shed, side walls will sit flush with front floor framing.



B8. Secure remaining two **Narrow Window Walls** to both front corners of shed.

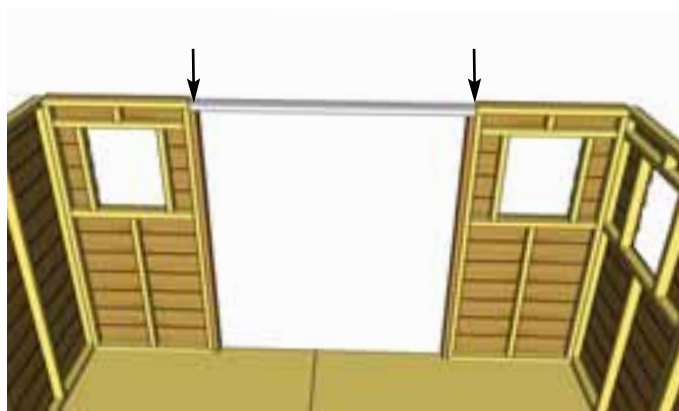


Door Jamb sits flush with wall framing and tips of bevel siding.

B9. Locate **Vertical Door Jamb** and position flush against each 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 20)
Vertical Door Jamb
(1 1/2" x 3 1/2" x 73") x 2

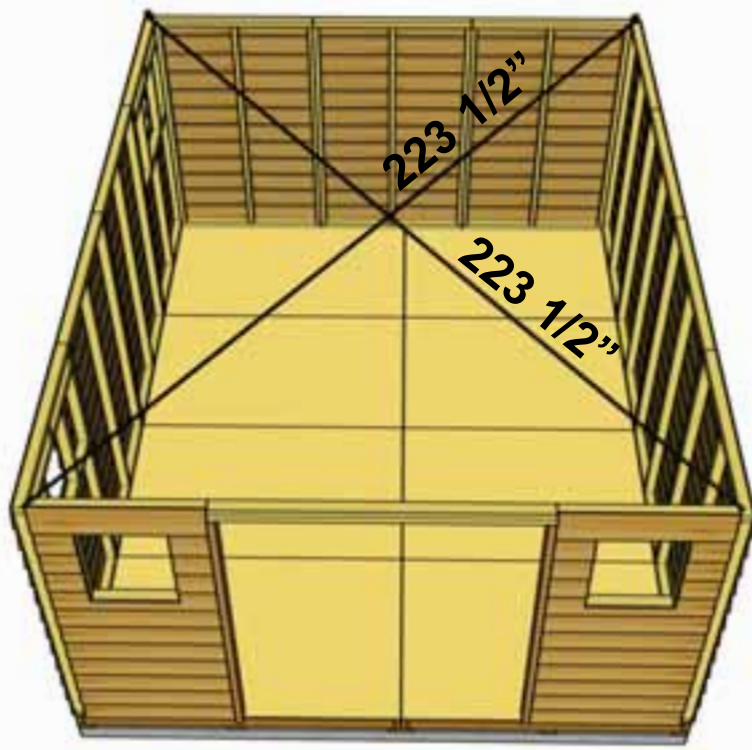
Hardware (Step 20)
S1 - 2 1/2" Screws
x 8 total



B10. Position and attach **Door Header** 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 B10)
Door Header
(2" x 3" x 67") x 1

Hardware (Step B10)
S1 - 2 1/2" Screws
x 4 total

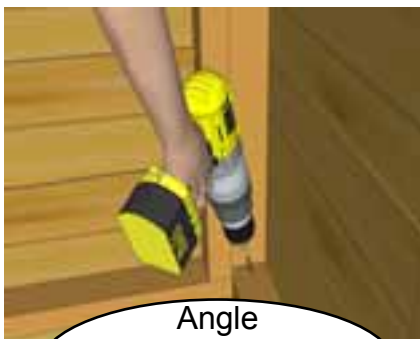
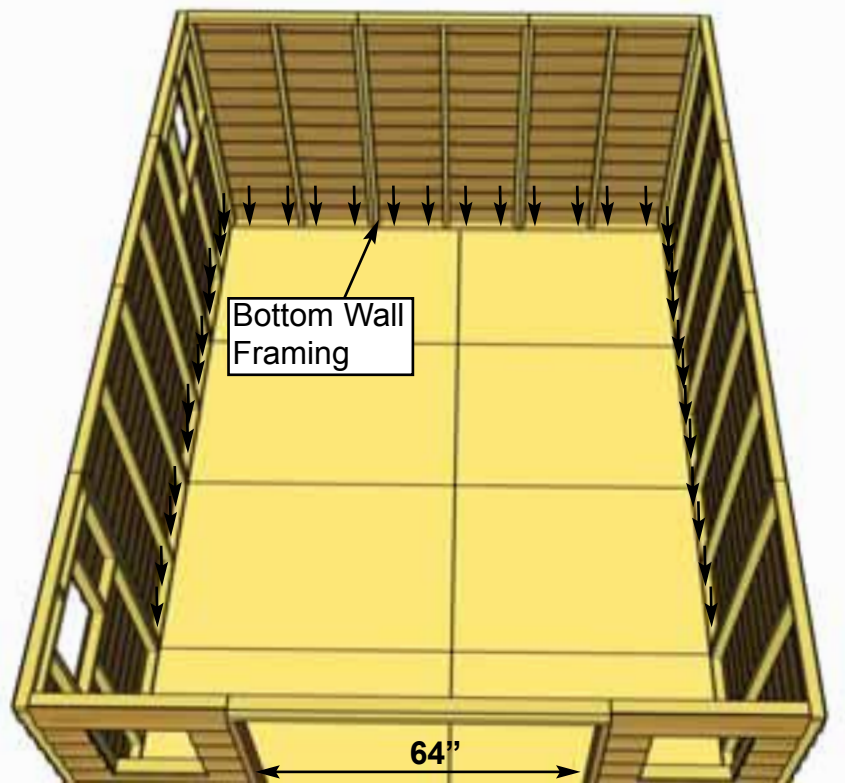


Advice: Prior to fastening walls and installing rafters, take time to confirm your walls are level, square and plumb.

Measure diagonal at top and bottom of walls corner-to-corner. This should be approximately 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.

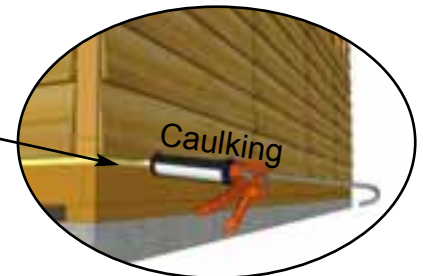
Important: If walls are not lining up and appear higher or lower than each other, please check the level of your floor. You may need to make slight adjustments before proceeding.

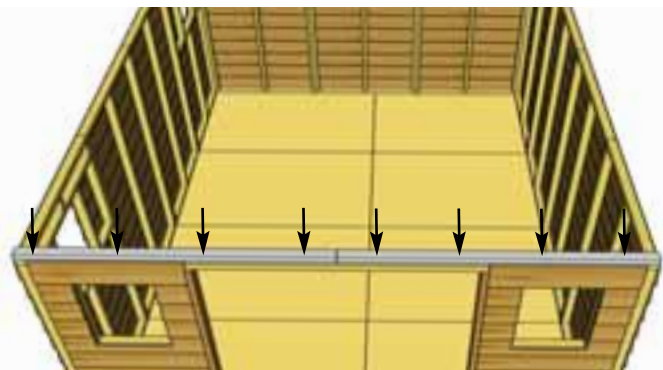
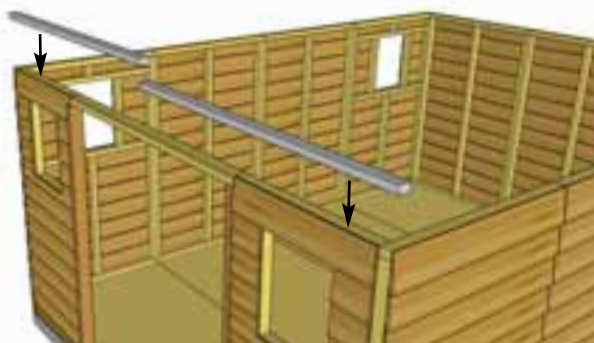
B11. When all walls are attached together, check alignment with the floor. Bottom wall framing should sit flush with outside of floor joists. When positioned correctly, fasten bottom wall plates to floor using 4 - 2 1/2" screws per wall panel (54 total). Confirm 64" wide door opening at bottom.



Angle screws into perimeter Floor Joists.

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

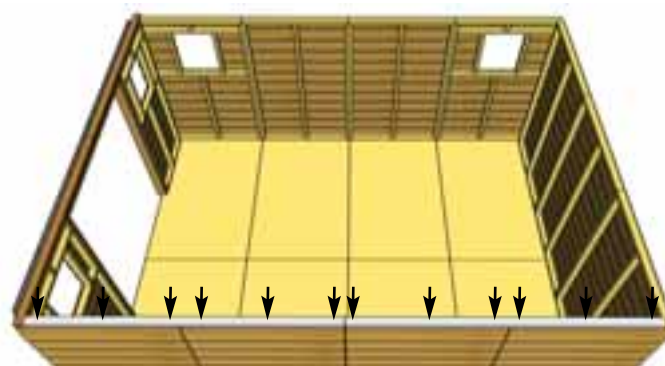




B12. Position and attach **F & R Riser Plates** on top of **Front and Rear Wall Frames**. attach with **4 - 2 1/2" screws** each. Complete both front and rear of shed.

Parts (Steps B12)
F&R Riser Plates
(1 1/2" x 2 1/2" x 70 3/4") x 4

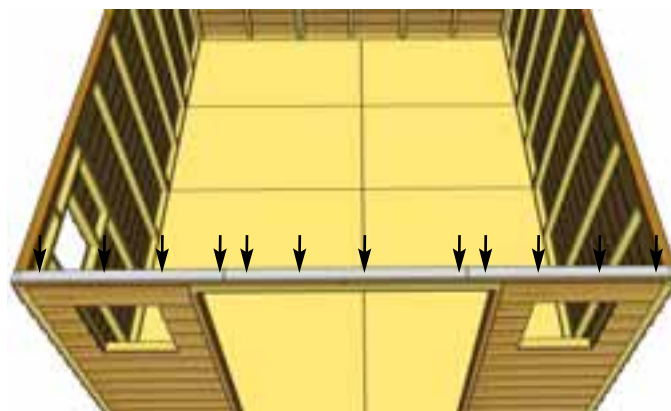
Hardware (Steps B12)
S1 - 2 1/2" Screws
x 16 total



B13. Position and attach **Side Riser Plates** with **6 - 2" screws** per piece. Complete both sides of shed.

Parts (Steps B13)
Side Riser Plates
(1 1/2" x 2 1/2" x 88 1/2") x 4

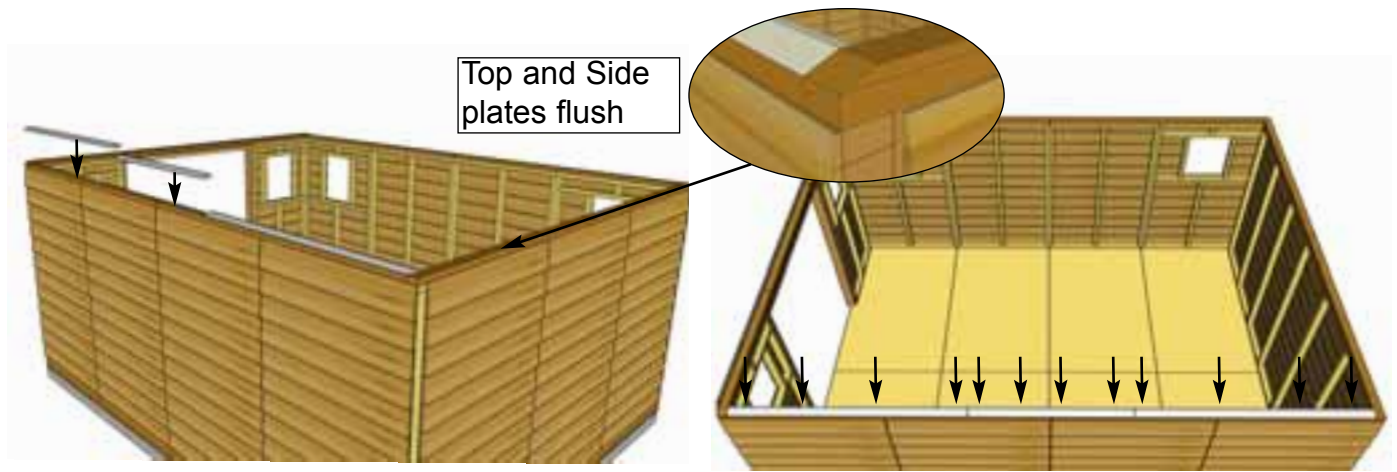
Hardware (Steps B13)
S3 - 2" Screws
x 24 total



B14. 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 B14)
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 B14)
S2 - 1 1/4" Screws
x 24 total



B15. 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 B15)

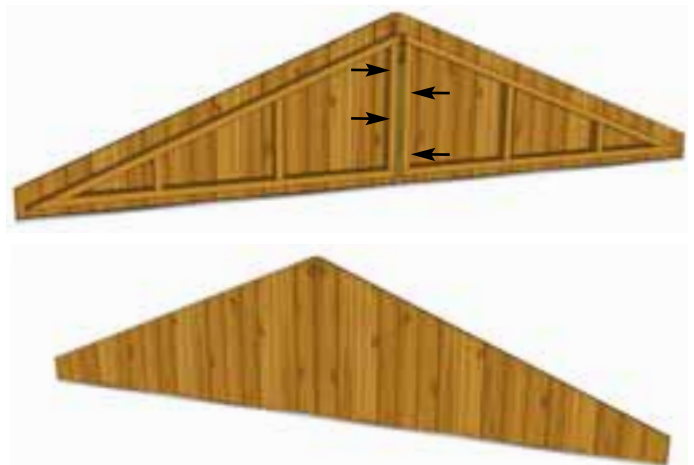
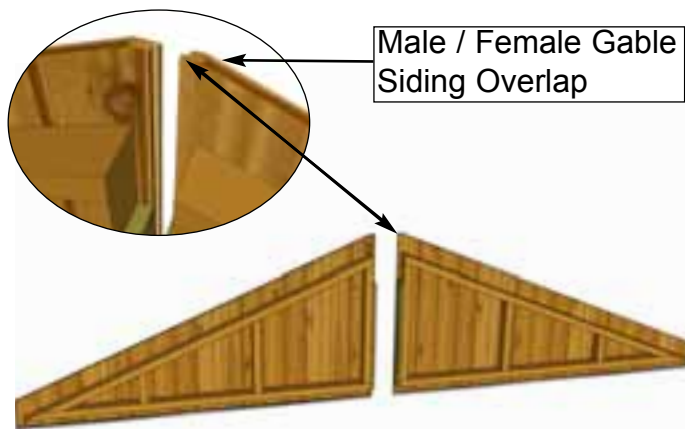
Side Top Plates

(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 B15)

S2 - 1 1/4" Screws

x 24 total



B16. 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.

Parts (Steps B16-B17)

Gable Half Walls x 4

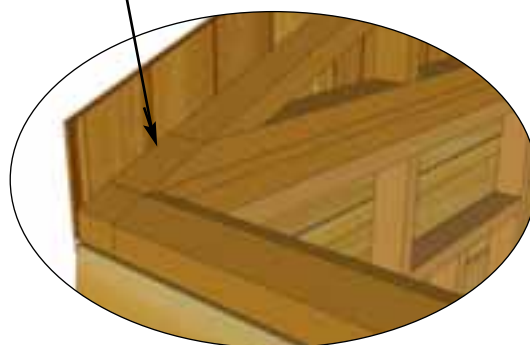
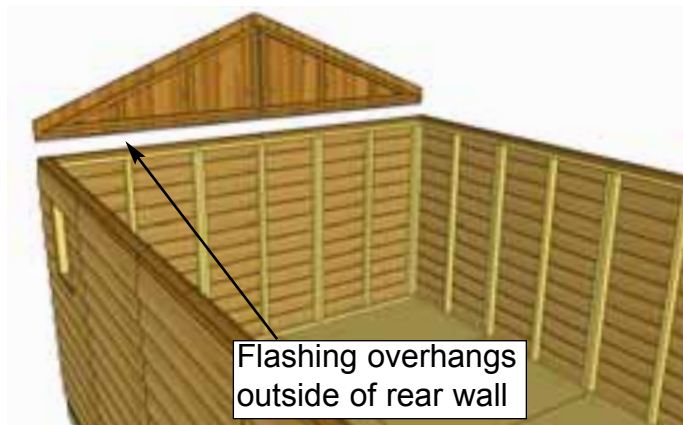
Hardware (Steps B16-B17)

S1 - 2 1/2" Screws

x 8 total

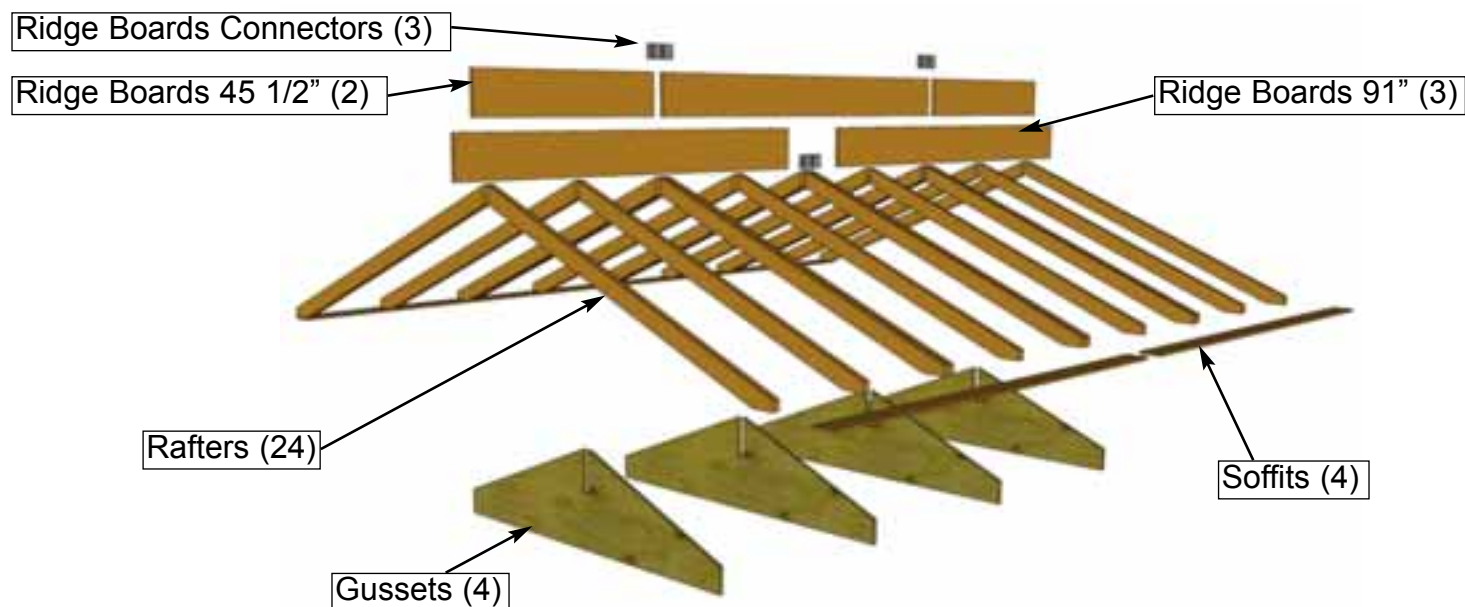
S3 - 2" Screws

x 8 total



B17. 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 C13** 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°.

C. Rafter Section



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

Parts for first Rafter Section:

2 - 3/4" x 9 1/4" x 45 1/2" - Ridge Boards
 1 - 3/4" x 9 1/4" x 91" - Ridge Board
 12 - 1 1/2" x 3 1/2" x 80 7/8" - Rafters
 2 - 1/2" x 4 1/2" x 91" - Soffits
 * Must complete 2 Rafter Sections

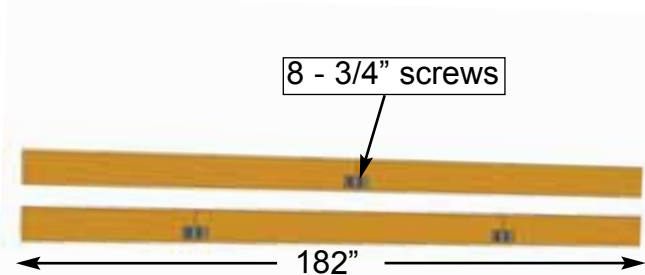
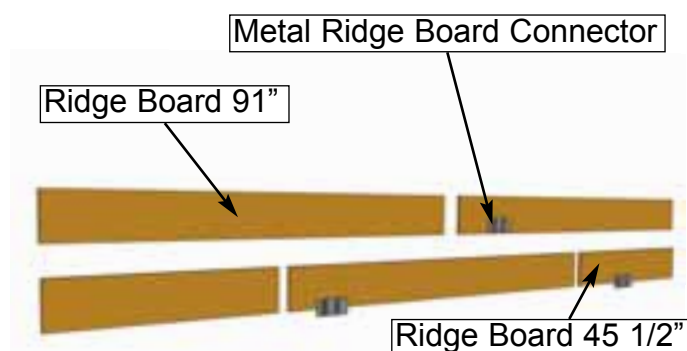
Parts for second Rafter Section:

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 - 1/2" x 4 1/2" x 91" - Soffits

Remaining Rafter Pieces:

4 - 3/4" x 80" x 19 3/4" - Gussets

Follow **Steps C1- C14** to Assemble Rafter Sections. Make sure to complete on a flat, level surface.



C1. 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**.

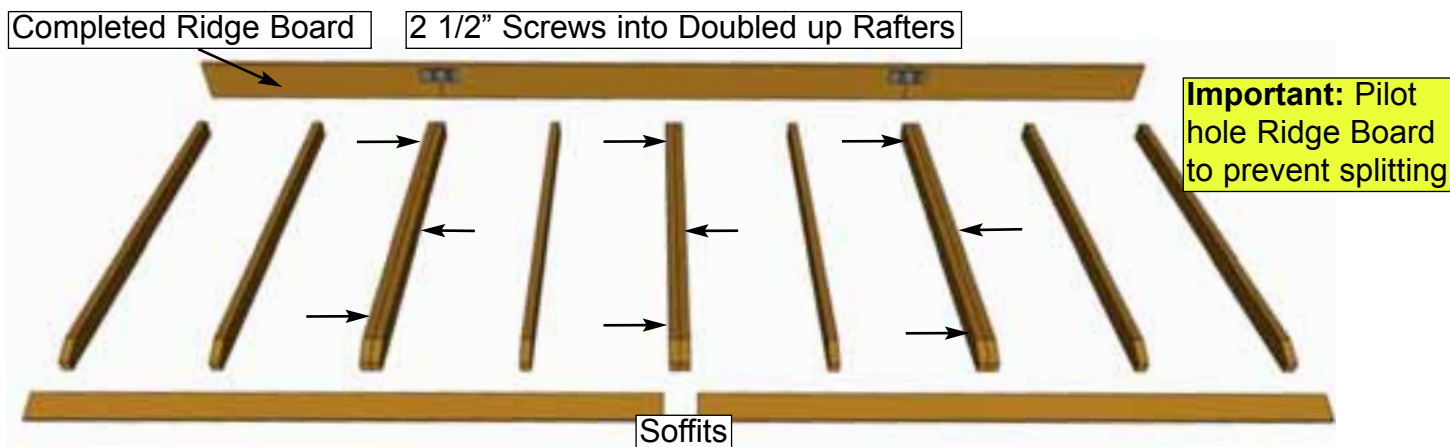
Parts (Steps C1)

Ridge Boards

(3/4" x 9 1/4" x 45 1/2") x 2
 (3/4" x 9 1/4" x 91") x 3

Hardware (Steps C1)

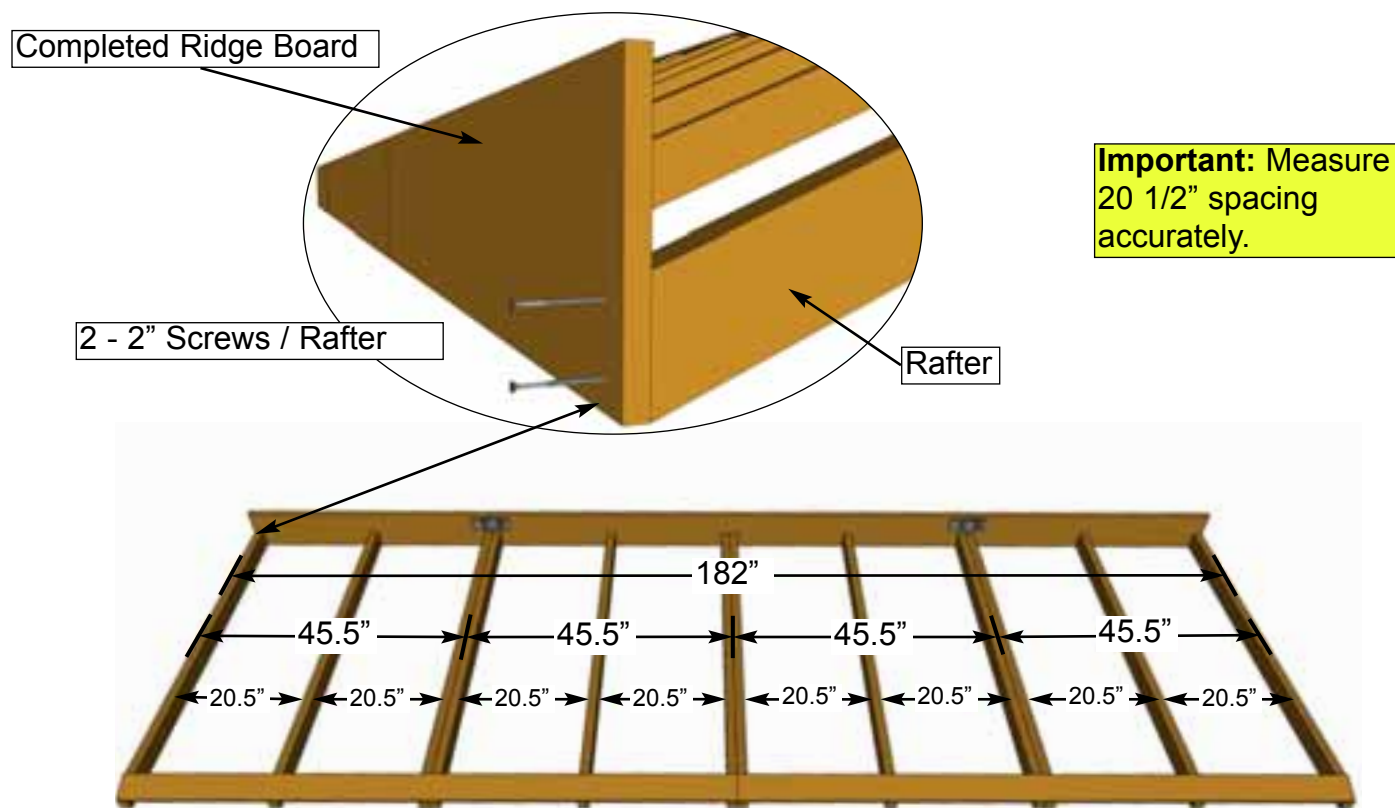
SS2 - 3/4" Screws
 x 24 total
Y9 - Metal Ridge Connector
 x3 total



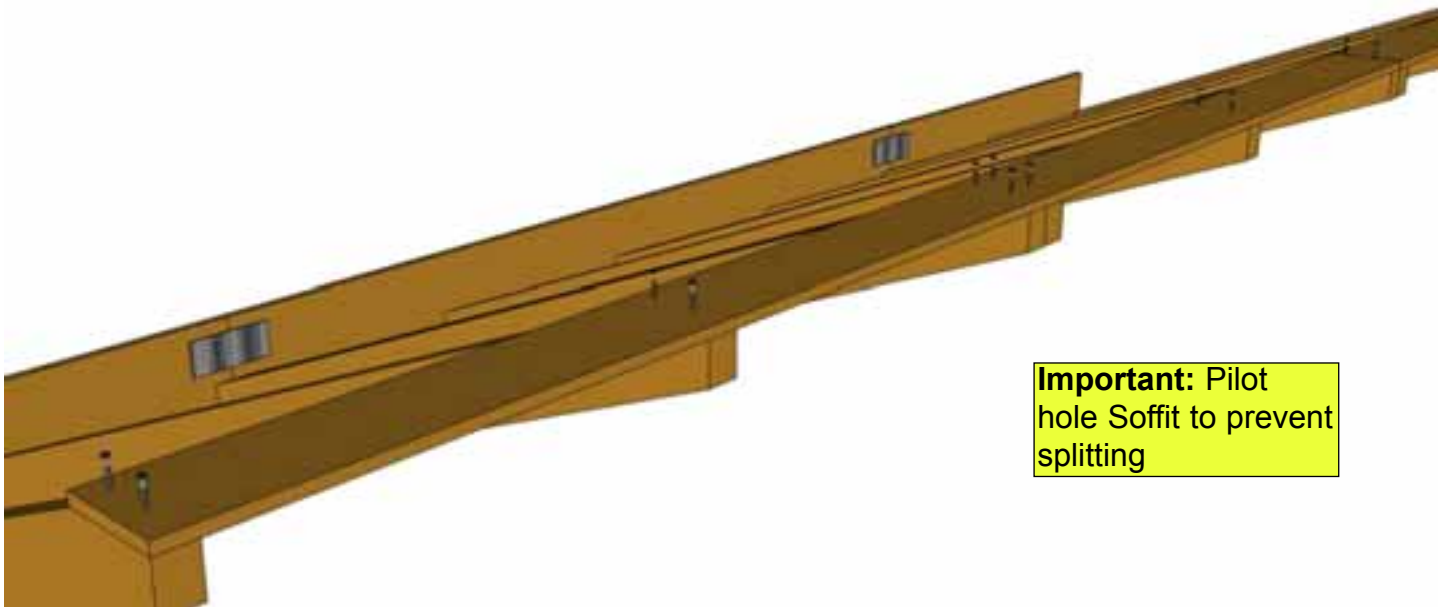
C2. Lay out 12 Rafters, 2 Soffits and the completed Ridge Board from Step C1 on level ground as shown. Double up Rafters as illustrated. Screw doubled up Rafters together with 3 - 2 1/2" screws. Note: completed rafter section will be flipped over in Step C8.

Parts (Steps C2 - C5)
Ridge Boards
 (3/4" x 9 1/4" x 45 1/2") x 2
 (3/4" x 9 1/4" x 91") x 3
Rafters
 (1 1/2" x 3 1/2" x 80 7/8") x 24
Soffits
 (1/2" x 4 1/2" x 91") x 4

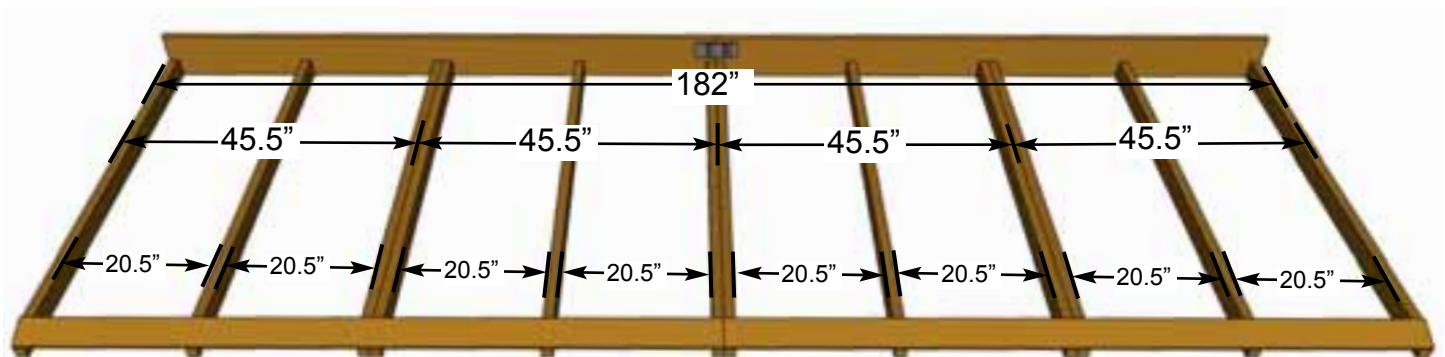
Hardware (Steps 33 - 36)
S1 - 2 1/2" Screws
 x 18 total
S3 - 2" Screws
 x 48 total
S2 - 1 1/4" Screws
 x 48 total



C3. 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.



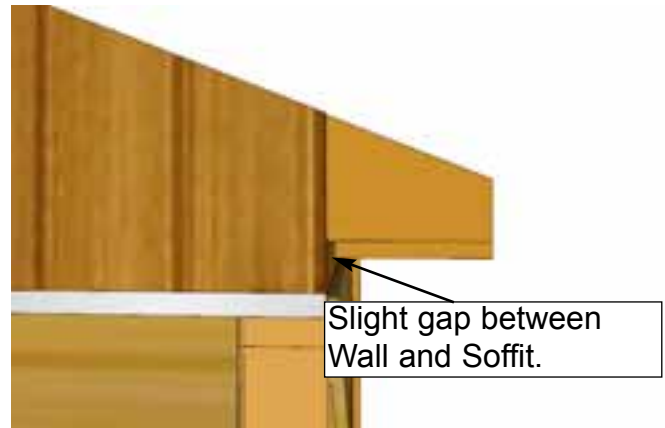
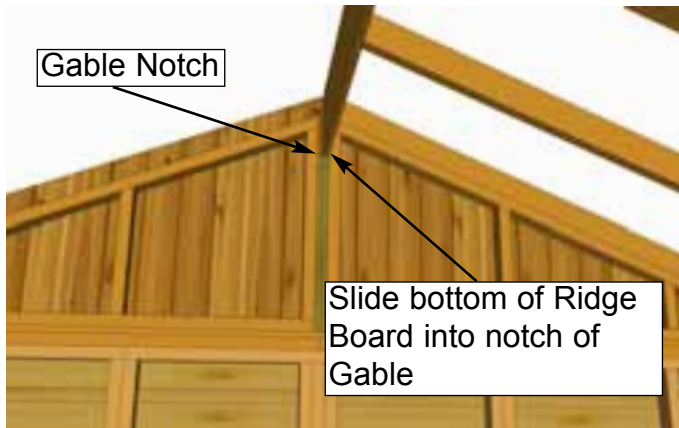
C4. Attach end **Soffit** Board flush to ends of outside **Rafters** with 2 - 1 1/4" screws per **Rafter** end. Complete both outside **Rafter/Soffit** connections first. Measure and position interior **Rafters** as illustrated above. When positioned correctly, attach **Soffits** to remaining **Rafters** with 2 - 1 1/4" screws/rafter. **Important: Pilot Hole Soffits** to prevent splitting.



C5. Complete second **Rafter** section following **Steps C1 - C4**.

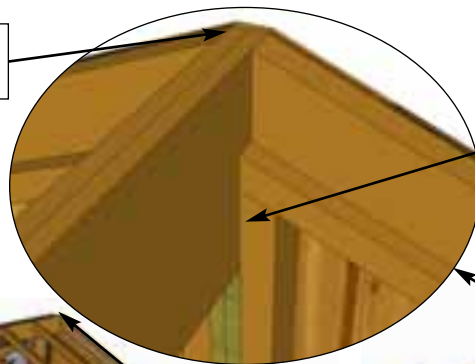


C6. With some helpers flip over each **Rafter** section so they can be lifted onto the shed. **Soffits** should now be on the ground. Prepare to lift onto Wall and **Gable** Frame

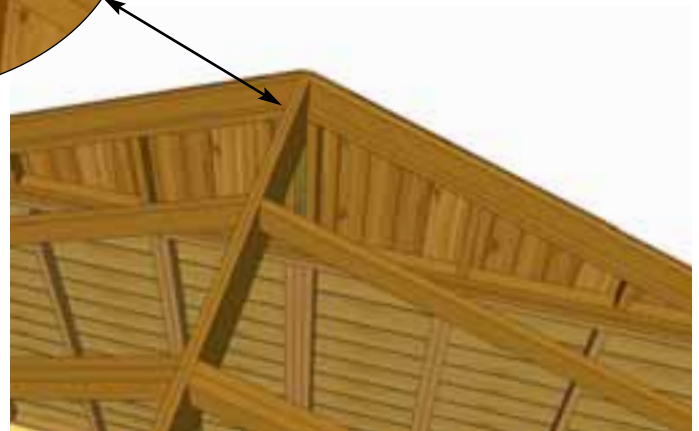


C7. With the assistance of two or more helpers and some ladders, slide first **Rafter Section** up onto **Gable Framing** until bottom of **Ridge Board** slips into gable notch. Position **Rafters** so they sit evenly on **Gable Framing** from side to side. Where **Wall** and **Soffit** meet, a small gap may appear. Confirm all **Rafters** are resting on **Top Plate**.

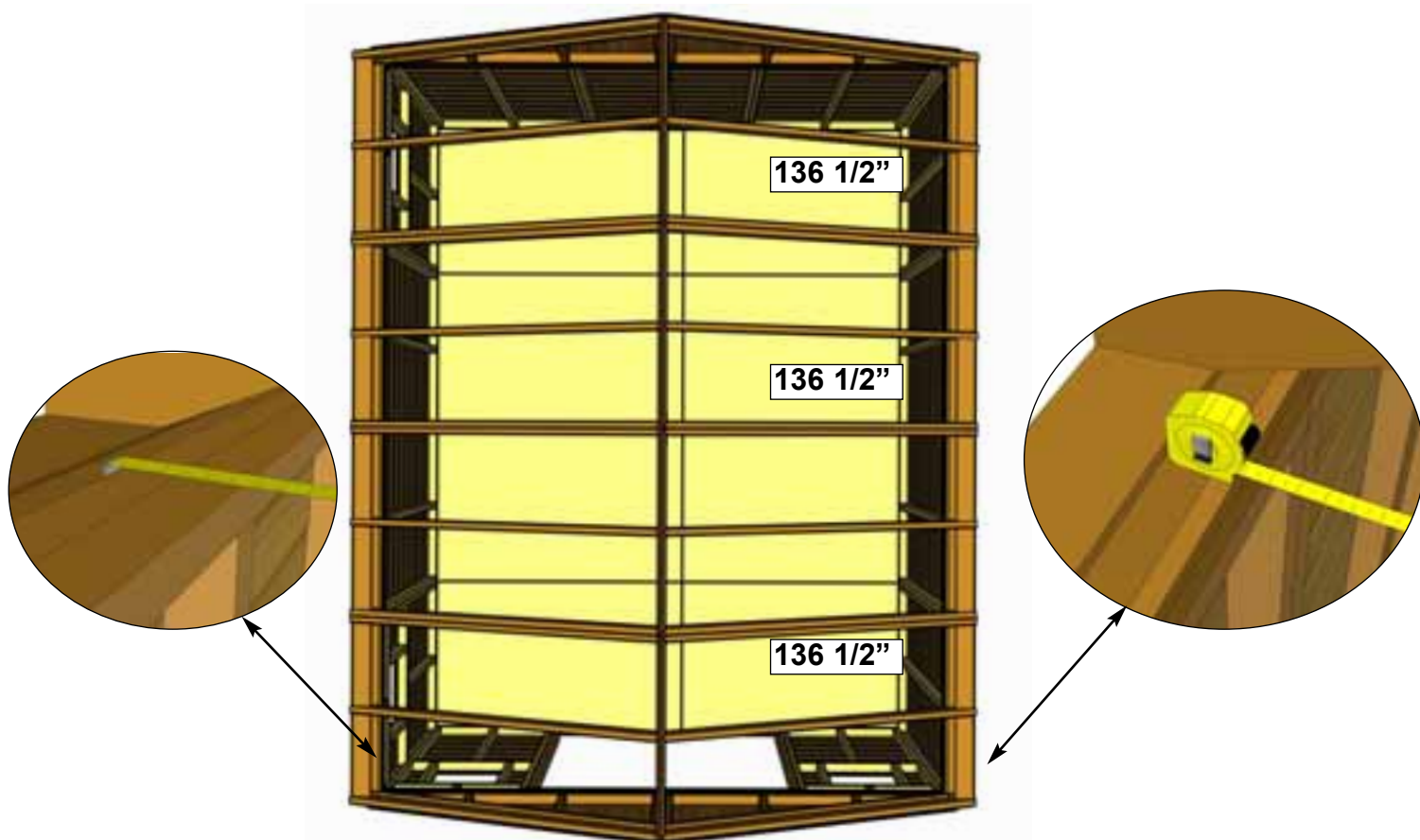
Ensure Ridge Boards are flush with one another.



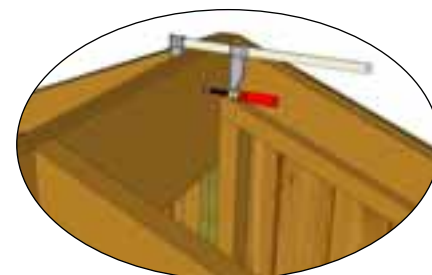
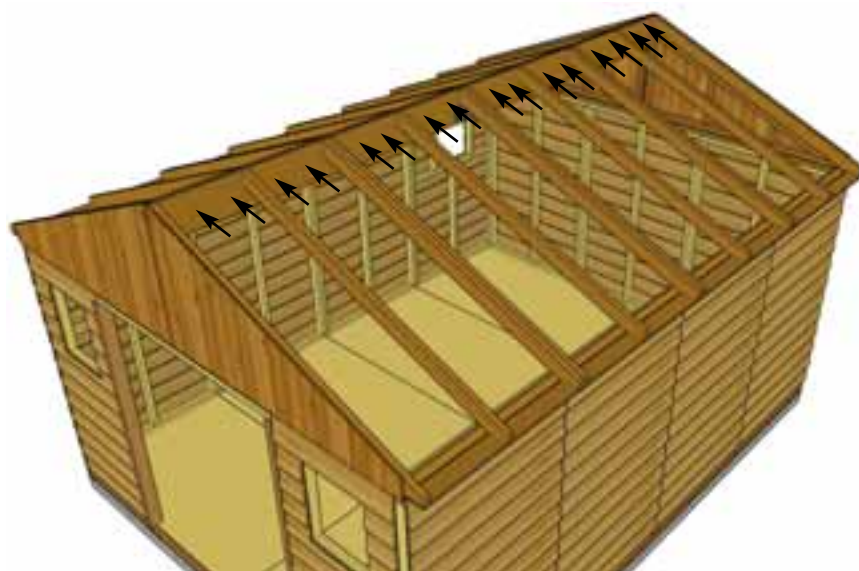
Bottom of Ridge Board fits in gable notch.



C8. 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 C9**.



C9. Take the inside-to-inside measurement between **Top Wall Plates** and **Bottom Wall Plates** at the front, middle, and rear of your shed. These measurements 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.

C10 . 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 C11**.

Hardware (Steps C10)

S2 - 1 1/4" Screws
x 32 total

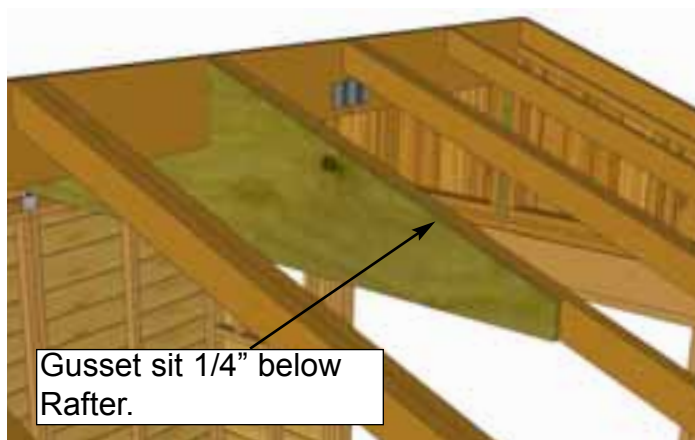


Important: If Gable framing does not line up with Rafters, remove temporary 2" screws from Gable framing. Re align gable and then secure.

C11. 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 42)

S3 - 2" Screws
x 32 total



C12. 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 C11 - C13)
Gussets
(3/4" x 80" x 19 3/4") x 4

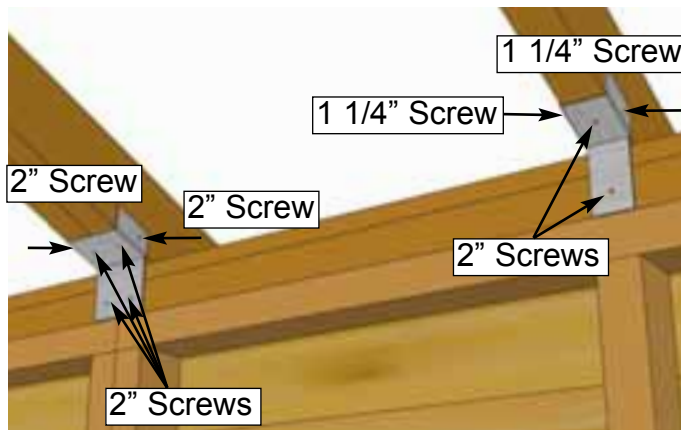
Hardware (Steps C11 - C13)

S3 - 2" Screws
x 40 total

Important: Before attaching remaining Gussets, recheck the inside-to-inside wall measurements are done as in **Step C11** Use a level to check they are square.



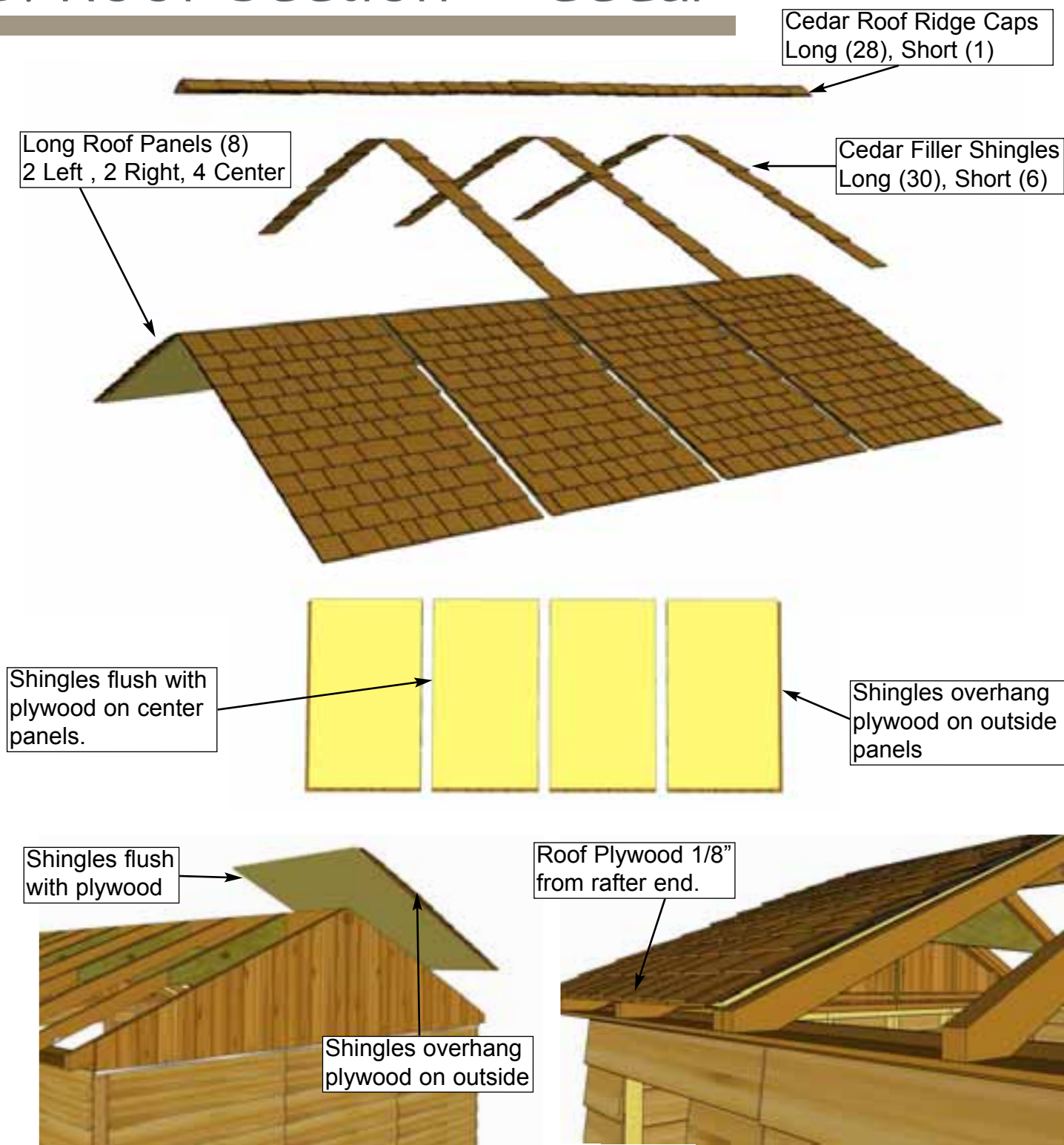
C13. Once walls are confirmed to be square and plumb, attach the remaining 3 **Gussets** with 10 - 2" screws per **Gusset**. **Gussets** attach to single **Rafters**. Attach remaining screws to **Gusset** that was attached in **Step C14**. **Important:** Pilot hole ends of **Gusset** to prevent splitting.



C14. 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 C14
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

D. Roof Section - Cedar



D1. Identify Roof Panels. There are Left, Right, and Center Roof panels. Lift one left panel onto the roof such that the roof plywood is 1/8" from end of roof rafter.

Parts (Steps D1 - D8)

L&R Roof Panels

(48" x 81") x 4

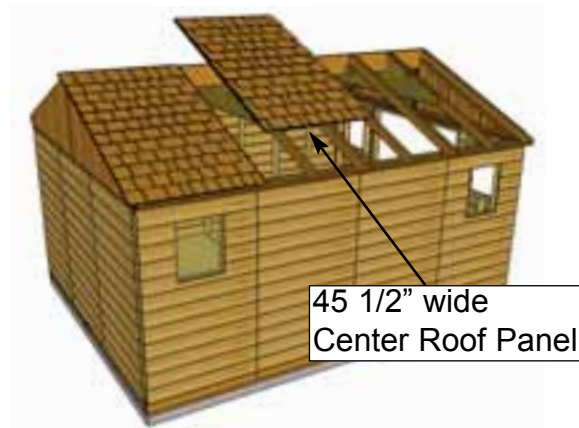
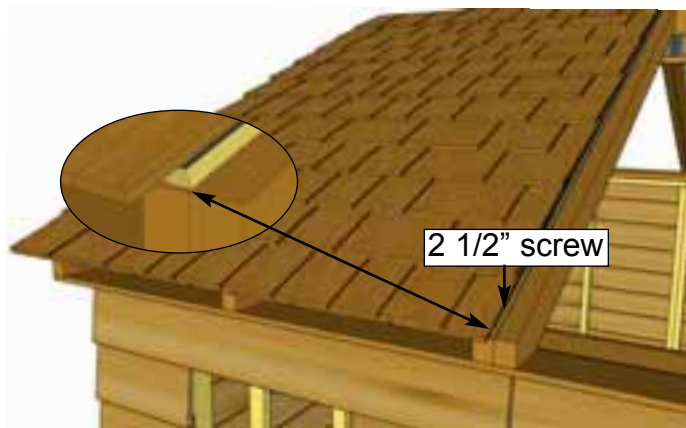
Center Roof Panels

(45 1/2" x 81") x 4

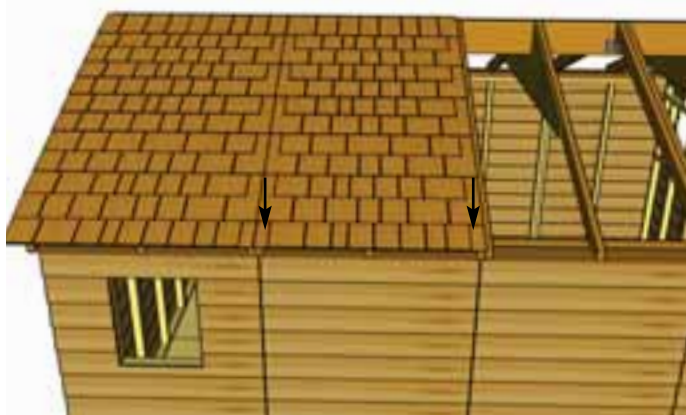
Hardware (Steps D1 - D8)

S1 - 2 1/2" Screws

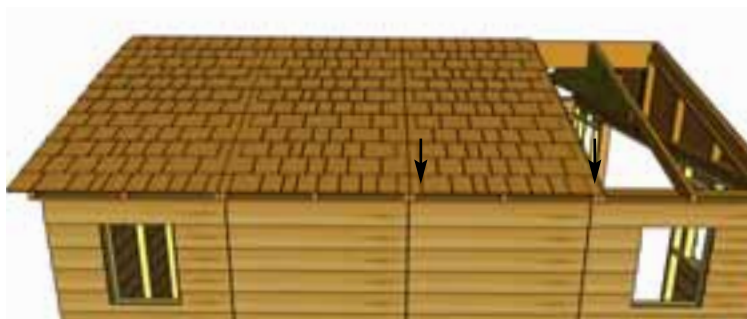
x 12 total



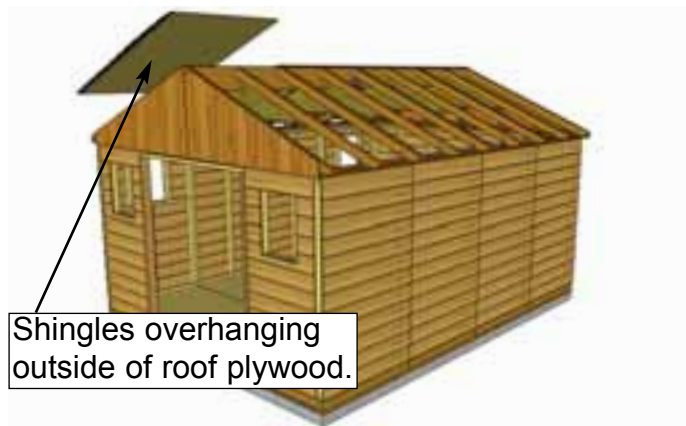
D2. Position panel so roof plywood sits evenly on doubled up rafters. Screw panel to rafters through bottom row of shingles with 1 - 2 1/2" screw. Lift up and place a **Center Roof Panel** on rafters. Center Panel will have plywood flush with shingles on both sides. Position evenly on rafters.



D3 . Position **Center Roof Panel** so plywood is 1/8" from end of Rafters as per **Step D1**. From side-to-side, make sure Roof Panel is sitting equally on rafters. When positioned correctly, screw down with 2 - 2 1/2" screws into outside lower shingles.



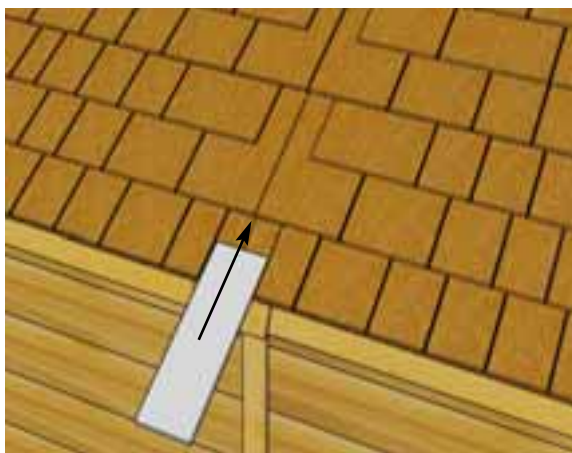
D4 . Locate 2nd **Center Roof Panel** and position so plywood is 1/8" from end of Rafters as per **Step 46**. From side-to-side, make sure Roof Panel is sitting equally on rafters. When positioned correctly, screw down with 2 - 2 1/2" screws into outside lower shingles.



D5. Lift up and place remaining Outside Roof Panel on Rafters. With **Outside Roof Panel** centered on rafters and aligned as per **Steps D3 - D4**, screw panel down with 1 - 2 1/2" screw.



D6. Switch to opposite side of Roof. Repeat Steps D1 - D6 to attach remaining panels on opposite side of roof.

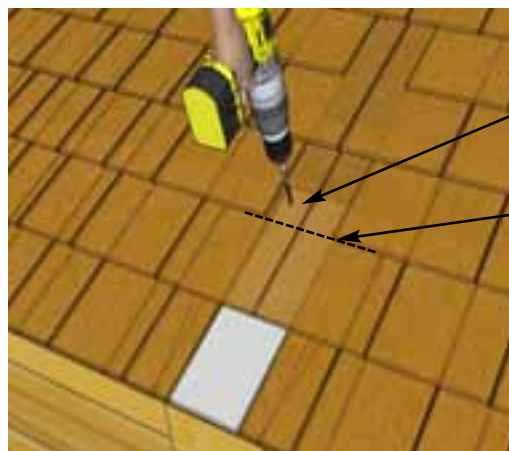


D7. Roof **Filler Shingles** are included to cover roof seams. Starting at the bottom, slide the first Long shingle in until flush with other bottom shingles.

Parts (Steps 52 - 54)
Filler Shingles - Long x 30
Filler Shingles - Short x 6

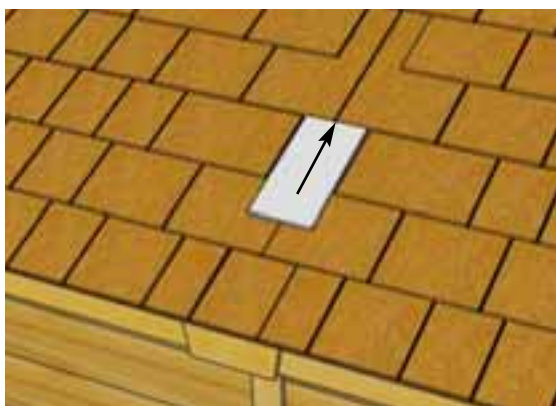
Hardware (Steps 52 - 54)
S1 - 2 1/2" Screws
x 30 total
N2 - Shingle Nails
x 12

D8. Screw first **Filler Shingle** down to rafters using **1 - 2 1/2" screws** (1 per panel). Make sure to screw into both rafters.

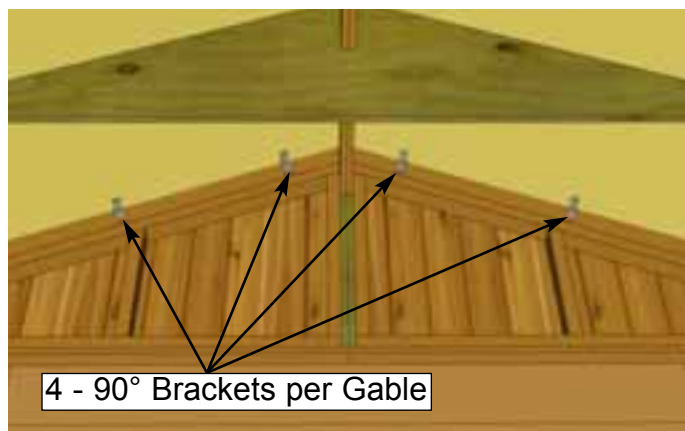


Attach above the exposure line.

Exposure Line



D9. Slide in another **Filler Shingle** and attach as per **Step D8**. On your last row of shingles, attach smaller **Filler Shingles** with **2 - 1 1/2" Shingle Nails** near the top, to be covered by **Ridge Caps** in **Step D11**. Complete each row of **Filler Shingles** where roof seams meet in the same way.



4 - 90° Brackets per Gable



4 - 1 1/4" screws
into each bracket

D10 . Position **4 - 90° Metal Brackets** onto the roof plywood and outside rafter. Secure each bracket with **4 - 1 1/4" screws**. Complete for both gables. There are 8 brackets total (4 per side).

Hardware (Steps D10)

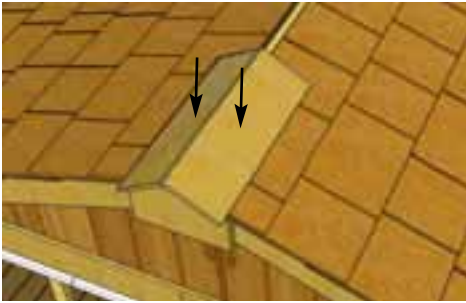
S2 - 1 1/4" Screws

x 32 total

Y2 - 90° Metal Bracket

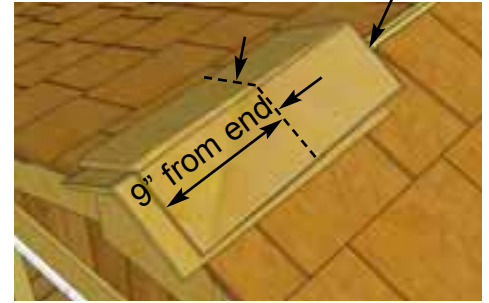
x 8

Alternate Ridge Cap seams (offsetting angle cut at peak)



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

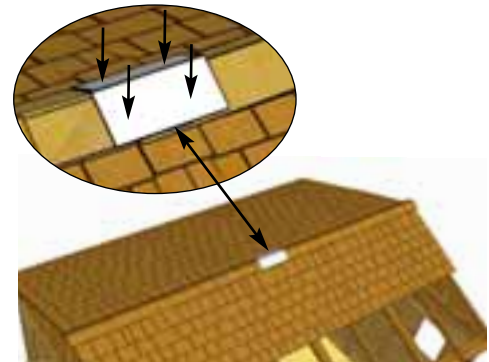
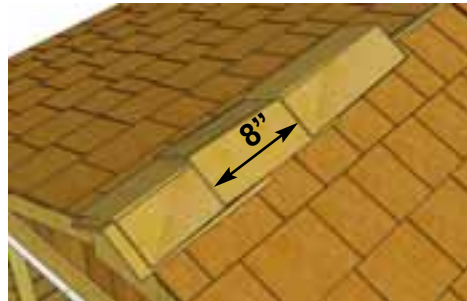
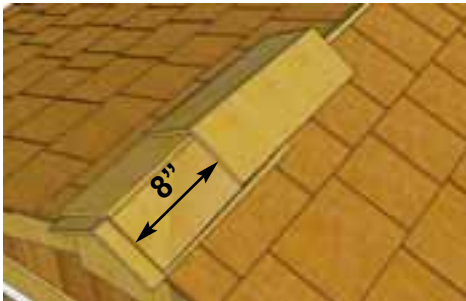
Thin End



D11. Place 1st **Roof Ridge Cap** on roof peak overhanging shingles by approximately 1". Attach with 2 - 1 1/2" **Shingle Nails** 9" from end. Place 2nd Ridge Cap 1" back from first cap. Attach with 2 - 1 1/2" **Shingle Nails** 9" from end. Alternate each Ridge Cap seam as you proceed.

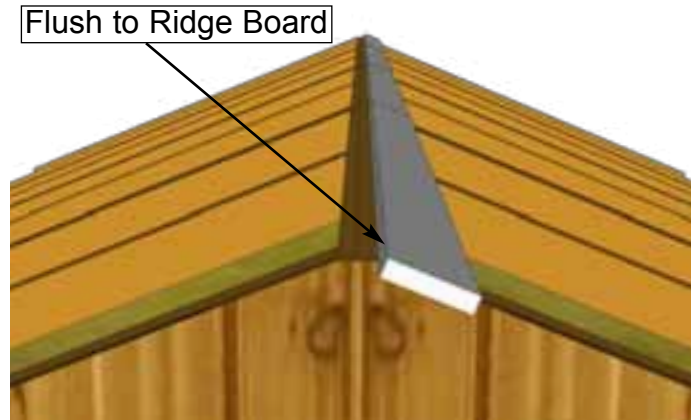
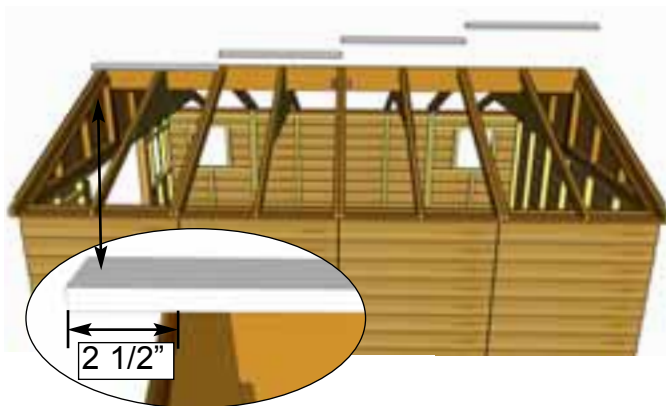
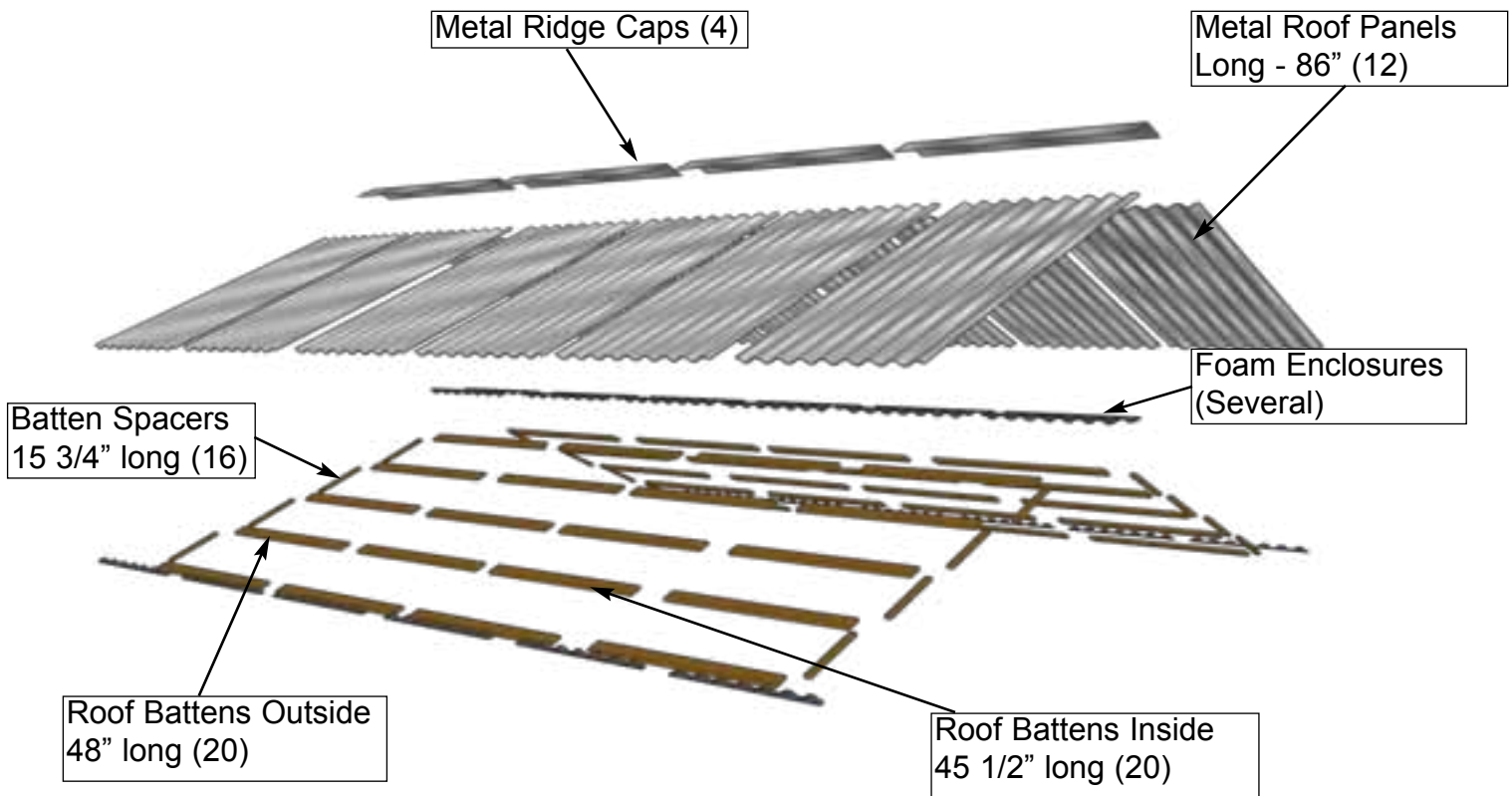
Parts (Steps D11 - D12)
Roof Ridge Caps Long x 28
Roof Ridge Caps Short x 1

Hardware (Steps D11 - D12)
N2 - 1 1/2" Shingle Nails
 x 60 total



D12. Place 3rd **Ridge Cap** 8" back from 2nd (enough to cover shingle nails). Attach 3rd Ridge Cap as per **Step D11**. Continue to position and attach Ridge Caps until half the roof is complete. From opposite side, position and attach Ridge Caps as described above. One Ridge Cap is cut shorter to fit in the center of the roof. Attach center cap with 4 - 1 1/2" **Shingle Nails**.

D. Roof Section - Metal

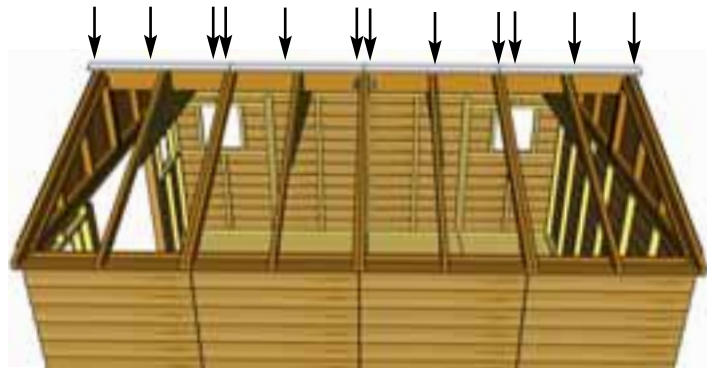
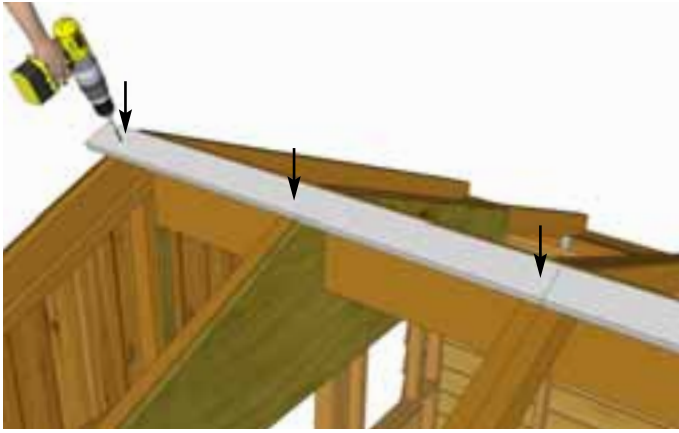


D1. Locate 2 **Outside Roof Battens** and 2 **Inside Roof Battens**. Place Battens on top of Rafter section where Rafters and Ridge Boards meet. Batten will overhang outside Rafter by 2 1/2".

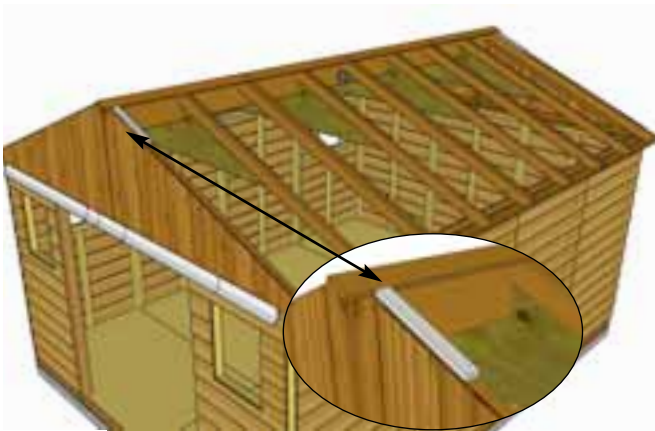
Parts (Steps D1 - D6)
Outside Battens
 (3/4" x 3 1/2" x 48") x 20
Inside Battens
 (3/4" x 3 1/2" x 45 1/2") x 20

Parts (Steps D1 - D6)
Batten Spacers
 (3/4" x 1 1/2" x 15 3/4") x 16

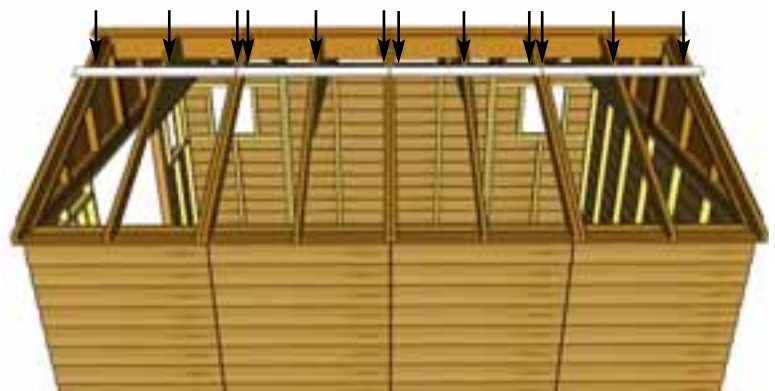
Hardware (Steps D1 - D6)
S2 - 1 1/4" Screws
 x 122 total



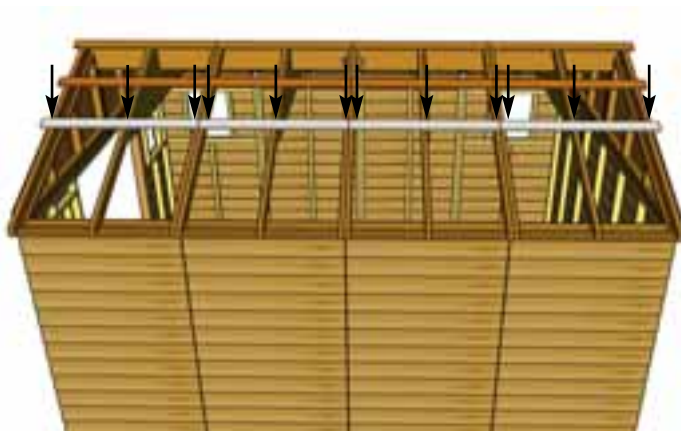
D2. Attach **Battens** to Rafters with 12 - 1 1/4" screws per row (3 screws per Batten). **Important:** Pre-drill pilot holes with 1/8" drill bit first to prevent ends from splitting.



D3 . Place **Batten Spacer** 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.



D4 . 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 D3**.

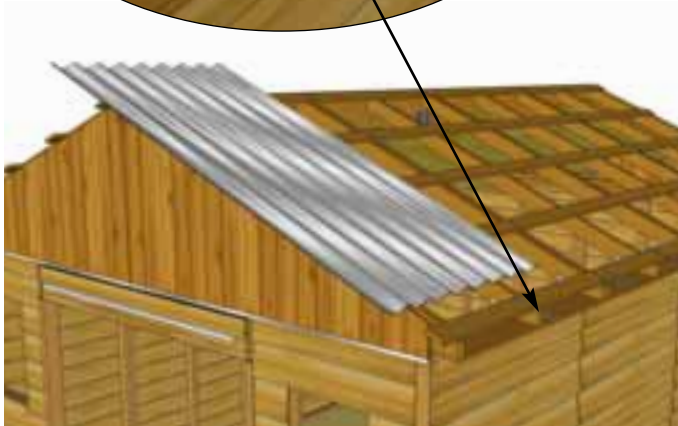
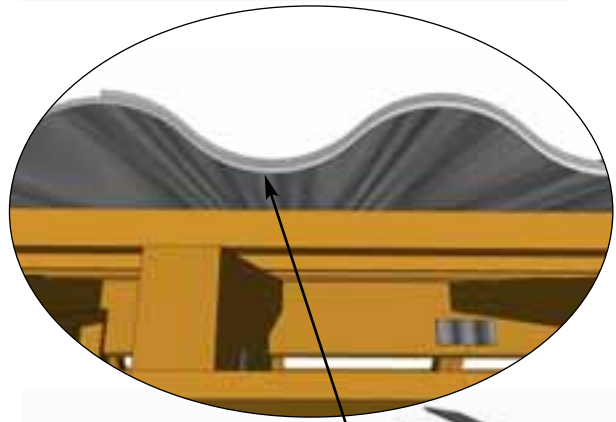
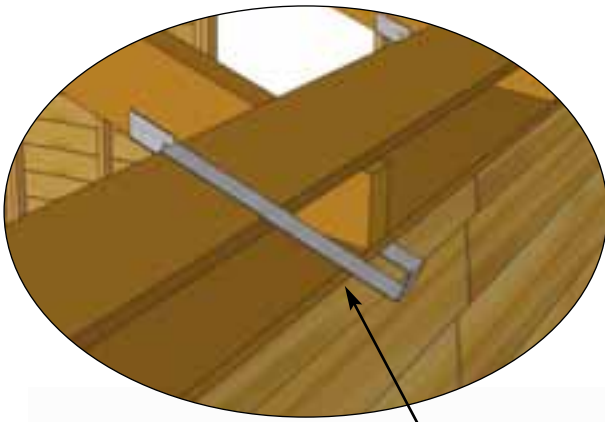


D5 . Locate another pair of **Batten Spacers** and position flush with second row of Battens on outside Rafter. Attach Batten Spacers to outside Rafter with 2 - 1 1/4" screws per spacer. Locate 2 more **Outside Roof Battens** and 2 more **Inside Roof Battens**. Attach row of Battens to Rafter with 12 - 1 1/4" screws for the row as per **Step 59**. Complete 5 rows of Battens per side of shed.



D6 . Switch to opposite side of Roof. Complete second side of Roof by repeating **Steps D1 - D6**.

Metal Roof Panels overlap each other

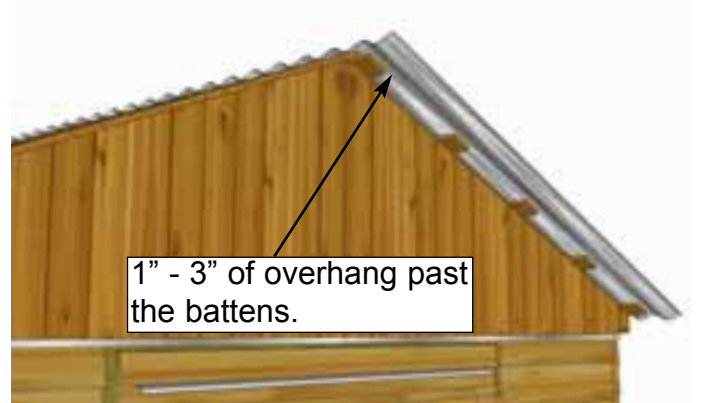


D7. Locate all **Metal Roof Panels** and **Metal Roof Hangers**. To temporarily help hold the **Metal Roof Panel Long** in place, hook a **Metal Roof Hanger** onto the lower **Batten** approximately where the center of the first panel will be. Place the first **Metal Roof Panel Long** on **Battens**. Do not fasten Panels down until **Step D12**. place remaining **Metal Roof Panels** on **Hangers** the same way.

Parts (Steps D7 - D12)
Metal Roof Panels Long
(86" long) x 12

Hardware (Steps D7 - D12)
2" - Metal Roof Screws
x 90 total

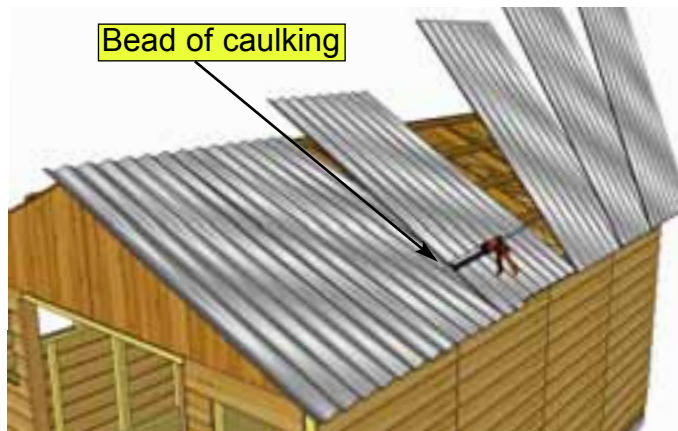
Hardware (Steps D7 - D12)
Metal Roof Hangers
x 6 total



D8. **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.



Bead of caulking



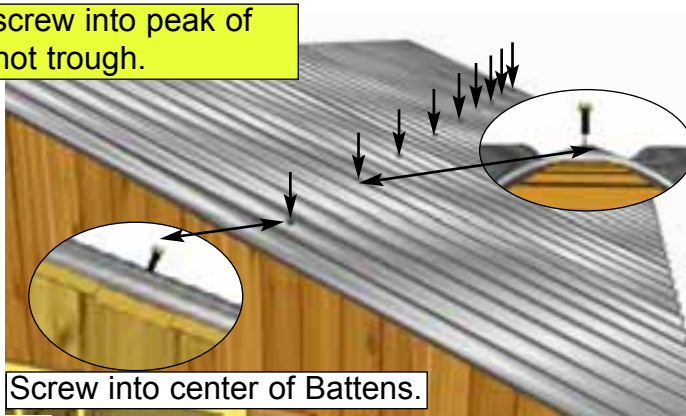
Bead of caulking

D9. 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.



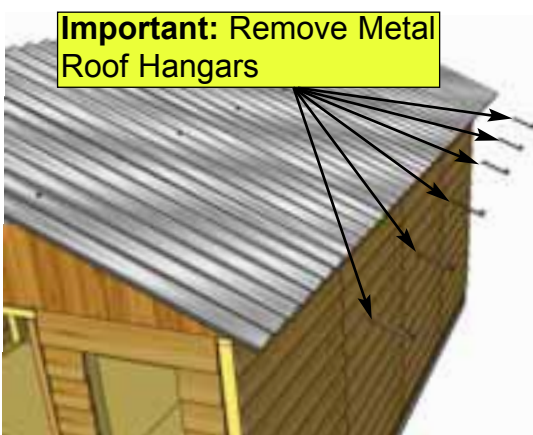
Important: screw into peak of roof panels not trough.

Important: Metal Roof Hangars will be removed in **Step 66**.

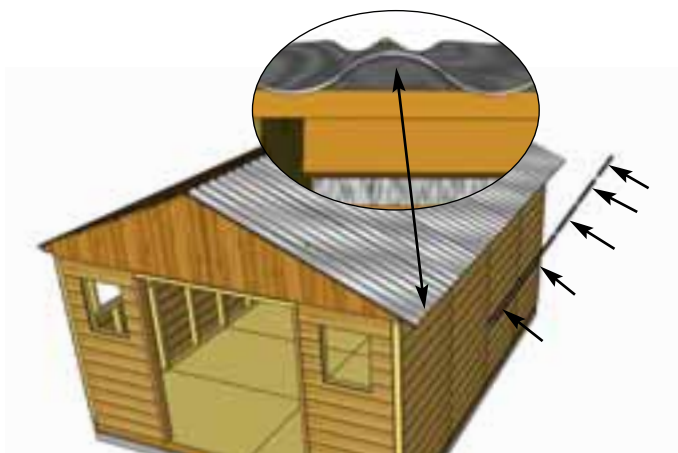


Screw into center of Batten.

D10. 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 Hangars** can be removed. Metal Screw is self-tapping (no need to pre-drill), screw into the center of **Battens**, 27 more 2" **Metal Screws** will be used to secure roof to lower **Batten** once hangars are removed.

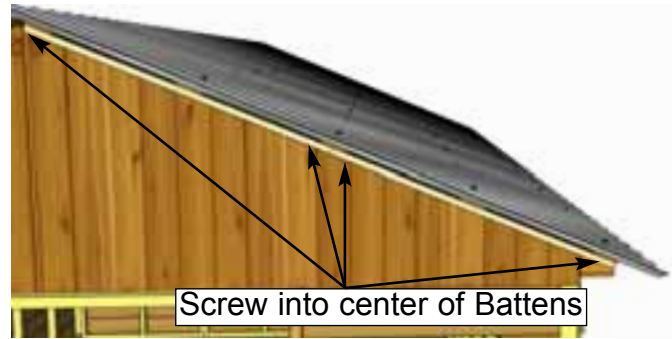
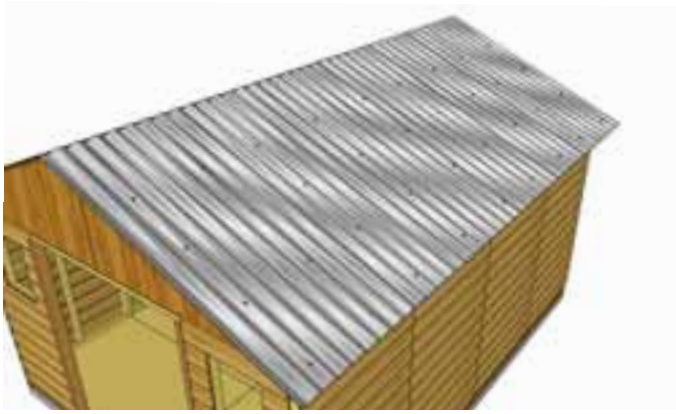


Important: Remove Metal Roof Hangars



D11. Before fully fastening **Metal Roof Panels** down, remove **Metal Roof Hangars** and insert **Foam Enclosures** between Metal Roof Panels and bottom **Battens**. Enclosures will prevent moisture and unwanted bugs from entering your shed through here.

Parts (Step D11)
Foam Enclosures
(Several Pieces)



D12. 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 D14**. Tighten screws in middle row that were partially secured in **Step D10**.



D13. Repeat **Steps D7 - D12** to complete opposite side of metal roof. Once both sides are complete, locate remaining Foam enclosures for Metal Roof. Lay **Foam Enclosures** on apex of roof panels

Parts (Step D13)
Foam Enclosures
(Several Pieces)

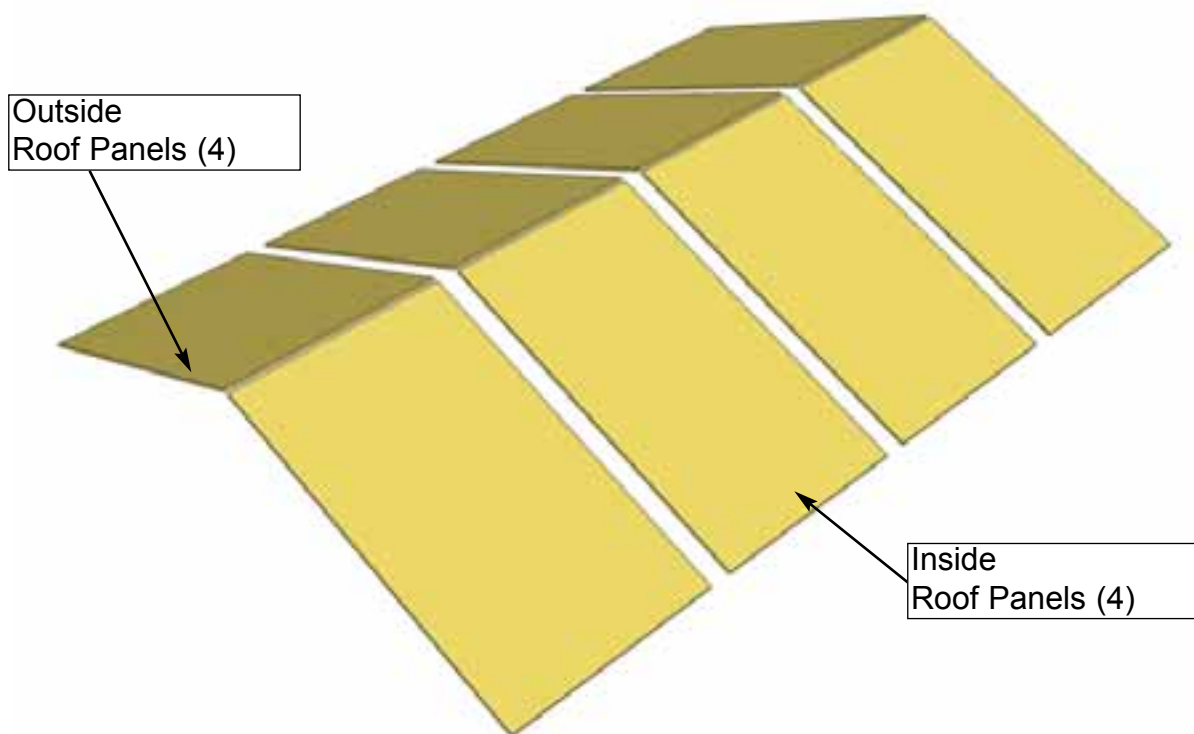


D14. Place **Metal Ridge Caps** on apex of roof. Evenly space from front to back. Caps will overlap each other. Overhang the cap approximately 1-2" past each end. When ridge cap is correctly positioned, secure with 18 - 2" long self tapping metal screws using 1/4" nut driver (9/side). Screw into final Battens into center of Batten. Do not overtighten.

Hardware (Step D14)
2" - Metal Roof Screws
x 18 total

Parts (Step D14)
Metal Ridge Caps
(60" long) x 4

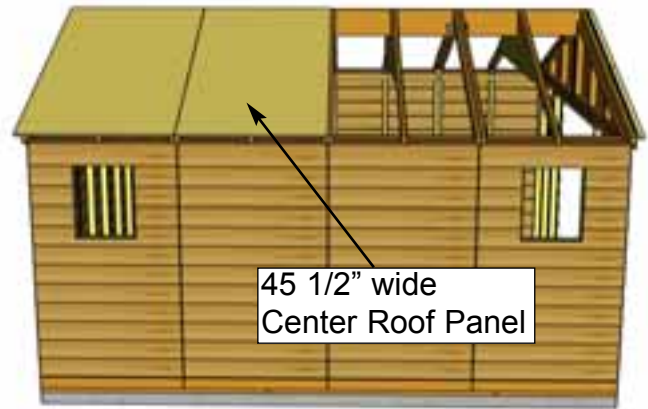
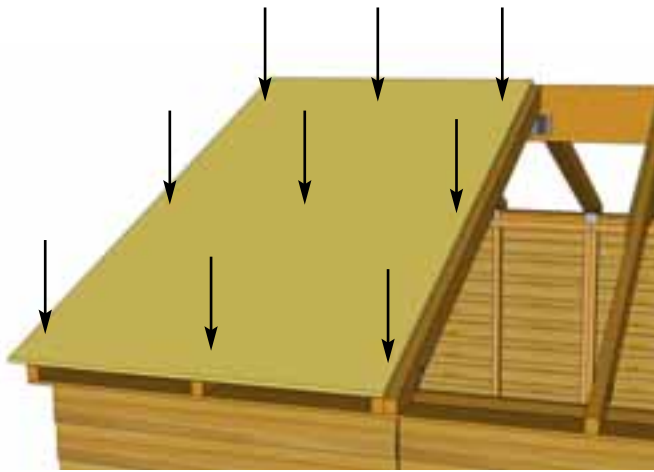
D. Roof Section - Plywood



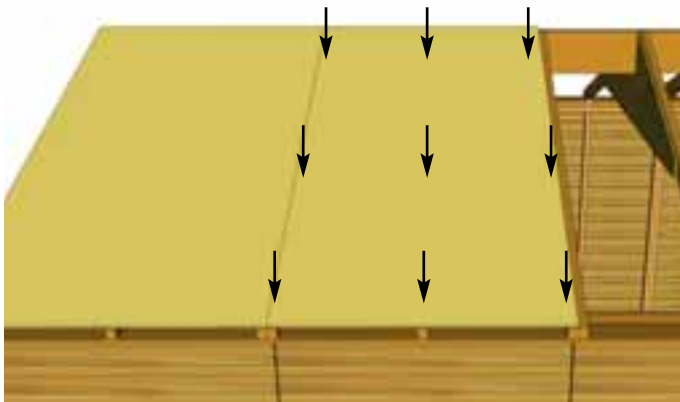
D1. Identify Roof Panels. There are Outside and Inside panels. Lift one outside panel onto the roof such that the roof plywood is 1/8" from end of roof rafter.

Parts (Steps D1 - D6)
Outside Roof Panels
(5/8" x 48" x 81") x 4
Inside Roof Panels
(5/8" x 45 1/2" x 81") x 4

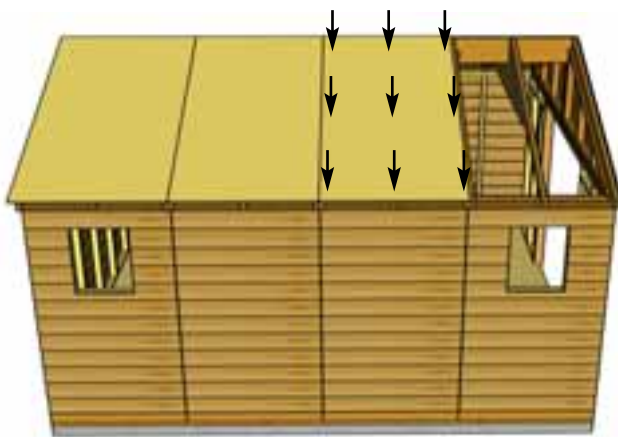
Hardware (Steps D1 - D6)
S2 - 1 1/4" Screws
x 72 total



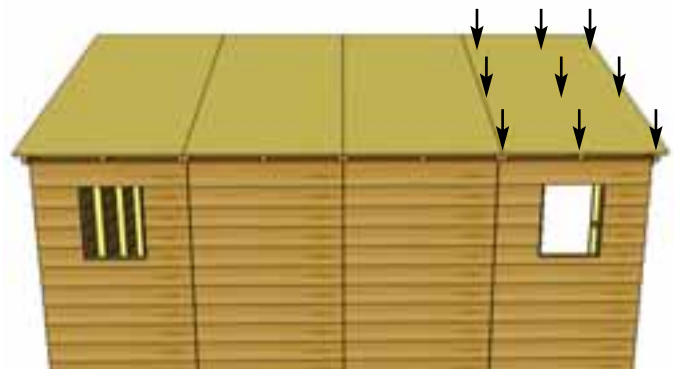
D2. Position panel so roof plywood sits evenly on doubled up Rafter. Screw panel to Rafters with **9 - 1 1/4" screws**. Lift up and place an Inside Panel on Rafters. Position evenly on Rafters



D3 . Position Inside Roof Panel so plywood is 1/8" from Rafter end as per **Step D1**. When positioned correctly screw down with **9 - 1 1/4" screws**.



D4 . Locate 2nd **Inside Roof Panel** and position so plywood is 1/8" from end of Rafters as per **Step D1**. From side-to-side, make sure Roof Panel is sitting equally on rafters. When positioned correctly screw down with **9 - 1 1/4" screws**.



D5 . Lift up and place remaining Outside Roof Panel on Rafters. With **Outside Roof Panel** centered on rafters and aligned as per **Steps D1 - D2**, screw panel down with 9 - 1 1/4" screw.

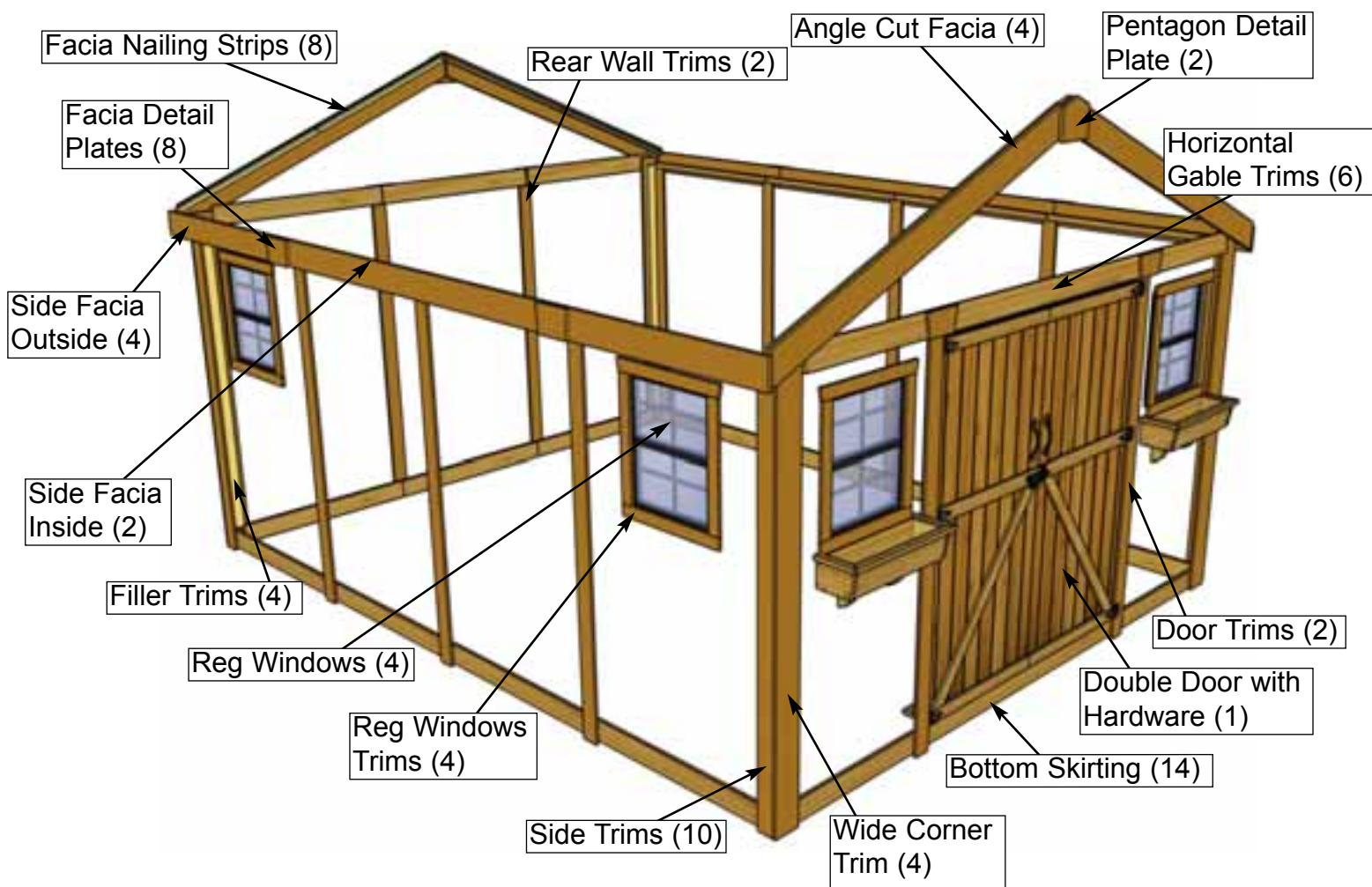


D6 . Switch to opposite side of Roof. Repeat Steps D1 - D5 to attach remaining panels on opposite side of roof.

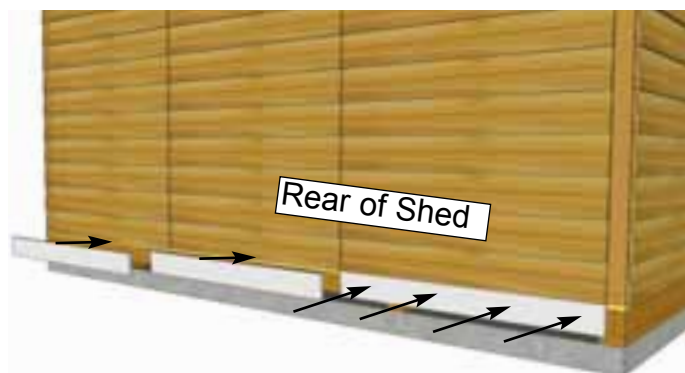
Important: If you are shingling your own roof now is a good time to do so.

E. Miscellaneous Section

Not Pictured: Door Stops,
Top Wall Trims, Drip Edge



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.



E1. 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 E1)
1 1/2" - Finishing Nails
x 44 total

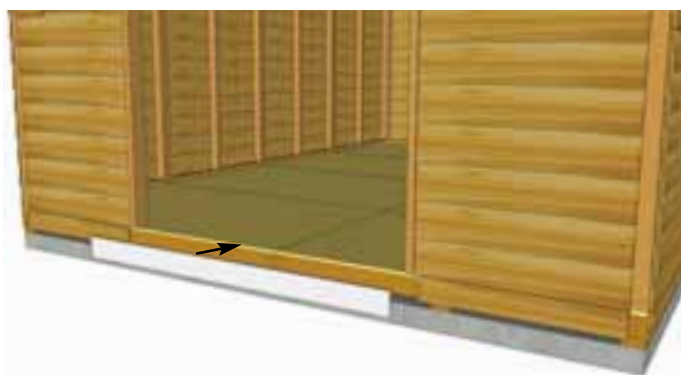
Parts (Step E1)
Bottom Skirting-Bevel
(7/8" x 4 1/2" x 45 1/4") x 11



E2. Attach **Bottom Skirting - Bevel** below the two front **Narrow Window Walls**. Attach with **4 - 1 1/2"** finishing nails per piece.

Parts (Step E2)
Bottom Skirting-Bevel
(7/8" x 4 1/2" x 33 3/4") x 2

Hardware (Step E2)
N1 - 1 1/2" - Finishing Nails
x 8 total



E3. Attach **Bottom Skirting - Bevel** below the doorway. Attach with **6 - 1 1/2"** finishing nails per piece.

Parts (Step E3)
Bottom Skirting-Bevel
(7/8" x 4 1/2" x 68 1/2") x 1

Hardware (Step E3)
N1 - 1 1/2" - Finishing Nails
x 6 total



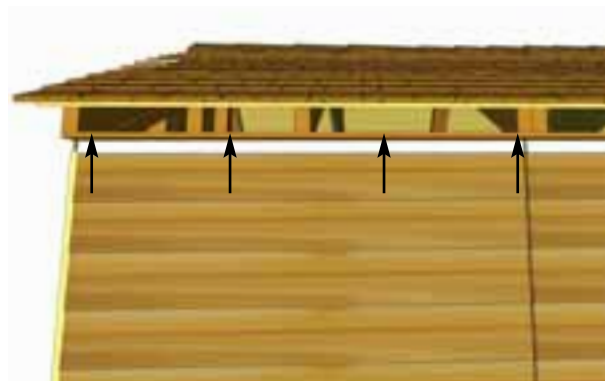
E3a. Check the wall seams for visible gaps prior to attaching filler trim and apply caulk where needed. Caulking gaps will help prevent moisture from entering and will help the longevity of your shed. **Caulking not included in kit.**



E4. 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 E4)
Filler Trims
(3/4" x 2 1/2" x 75") x 4

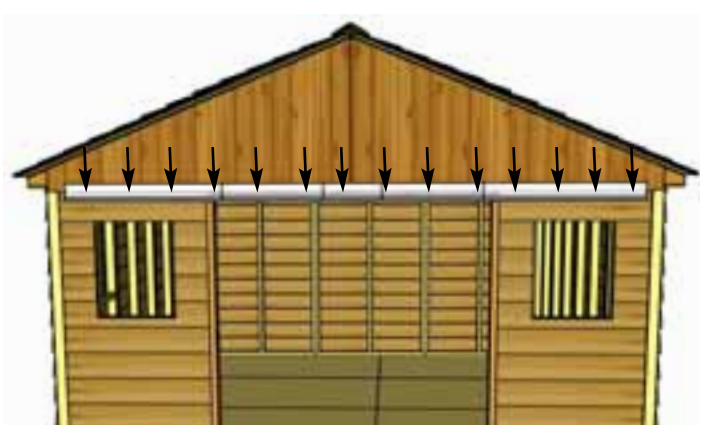
Hardware (Step E4)
N1 - 1 1/2" Finishing Nails
x 32 total



E5. 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 E5)
Top Wall Trim
(3/4" x 1 1/2" x 45 1/4") x 8

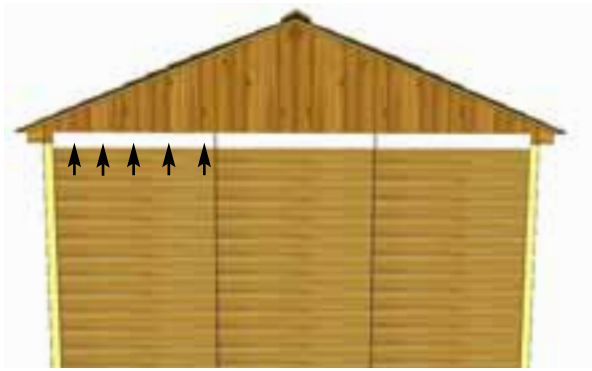
Hardware (Step E5)
N1 - 1 1/2" Finishing Nails
x 32 total



E6. Locate **Drip Edge**. Attach to **Door Header** with 8 - 1 1/2" Finishing Nails. **Note:** Drip edge should be 64" wide position Door Trims before attaching drip edge to confirm proper spacing.

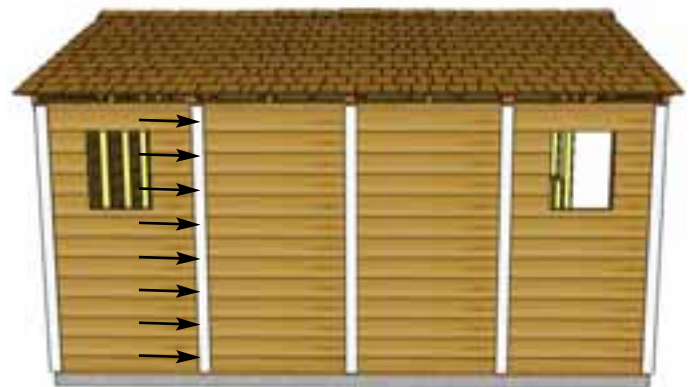
Part (Step E6)
Drip Edge
(60") x 3

Hardware (Step E6)
N1 - 1 1/2" Finishing Nails
x 24 total

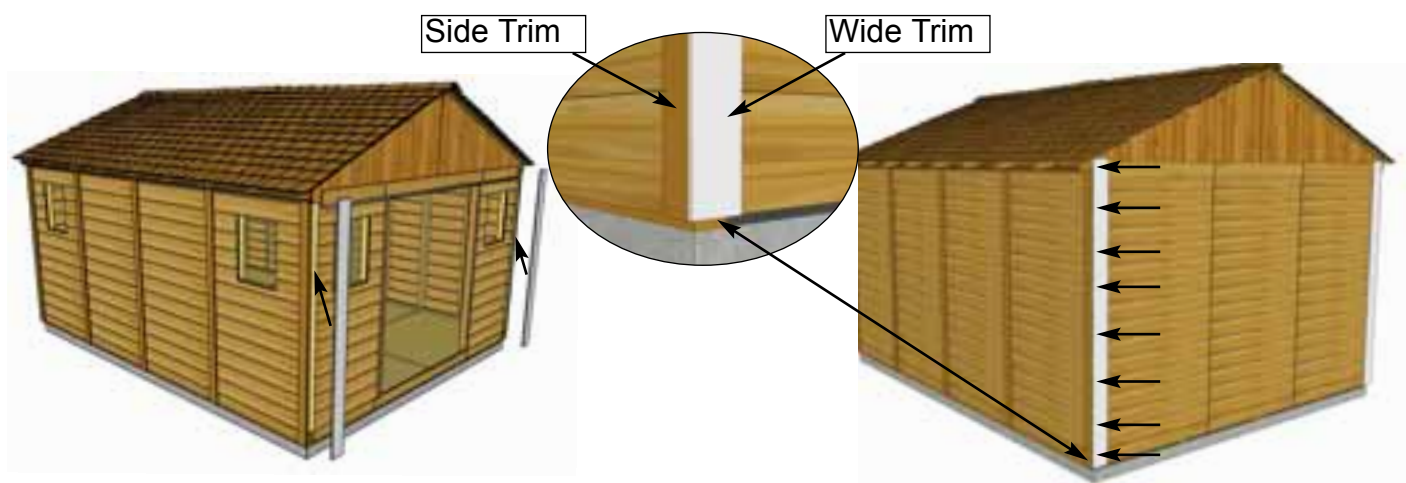


E7 Locate **Horizontal Gable Trims** for both front and rear of shed. Position equally over Gable and Wall seam. Attach each piece with **5 - 1 1/2" finishing Nails**.

Parts (Step E7)	Hardware (Step E7)
Horizontal Gable Trims - Bevel (3/4" x 4 1/2" x 45 1/4") x 3 Rear (3/4" x 4 1/2" x 68 1/2") x 1 Door (3/4" x 4 1/2" x 32 1/4") x 2 Window Walls	N1 - 1 1/2" Finishing Nails x 30 total



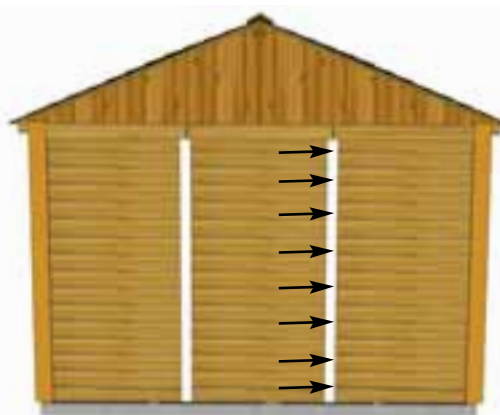
E8. Attach Side Trims to cover side wall seams and in the corners. align tight underneath Soffit and even with Filler Trims . Attach each with piece with 8 - 1 1/2" Finishing Nails . Note: Trim may sit slightly below Bottom Skirting .	Parts (Step E8) Side Trims (1/2" x 2 1/2" x 80") x 10	Hardware (Step E8) N1 - 1 1/2" Finishing Nails x 80 total
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E9. 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 E9)
Wide Corner Trims
(1/2" x 5 1/2" x 90") x 4

Hardware (Step E9)
N1 - 1 1/2" Finishing Nails
x 32 total



E10. Attach **Rear Wall Trims** to rear of shed. Use **8 - 1 1/2" Finishing Nails** per piece.

Parts (Step E10)
Rear Wall Trims
(1/2" x 3 1/2" x 78 1/2")
x 2

Hardware (Step E10)
N1 - 1 1/2" Finishing Nails
x 16 total



E11. Attach **Vertical Door Trim** on both sides of the doorway. Position flush with **Door Jamb** and tight underneath **Horizontal Gable Trim**. Secure each piece with **8 - 1 1/2" Finishing Nails** per piece.

Parts (Step E11)
Vertical Door Trims
(1/2" x 3 1/2" x 78 1/2")
x 2

Hardware (Step E11)
N1 - 1 1/2" Finishing Nails
x 16 total



E12. Attach **Facia Cleat** to underside of **Roof Panel**, flush edge to edge. Repeat this step on rear of shed. Fasten each cleat with **3 - 1 1/4"** screws per piece.

Parts (Step E12)
Facia Cleat
(3/4" x 1 1/2" x 40") x 8

Hardware (Step E12)
S2 - 1 1/4" Screws
x 24 total

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



E13. Attach **Front and Rear Facia** (angle cut on ends), to **Facia Cleats** on front side, with **10 - 1 1/2"** Finishing Nails per piece. Line up Facia so Facia ends line up with **Rafter** ends.

Parts (Step E13, E15)
F&R Facia (angled ends)
(3/4" x 5 1/2" x 81 1/4") x 4

Hardware (Step E13, E15)
N1 - 1 1/2" Finishing Nails
x 40 total



E14. 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. **Side Facia** will cap **Front and Rear Facia**.

Parts (Step E14, E16)
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

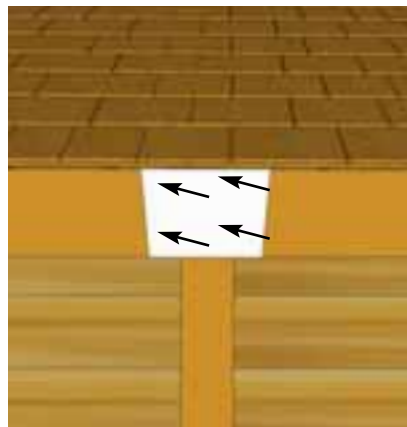
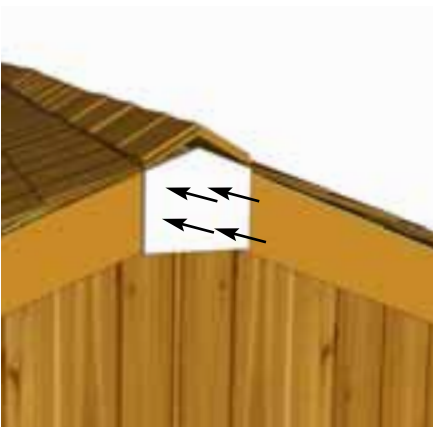
Hardware (Step E14, E16)
N1 - 1 1/2" Finishing Nails
x 48 total



E15. Attach remaining **Front & Rear Facia** pieces to **Facia Cleats** under roof plywood with **10 - 1 1/2" Finishing Nails**. 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.



E16. Attach remaining **Side Facia** to roof **Rafter** ends as per **Step E14**.



E17. 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**.

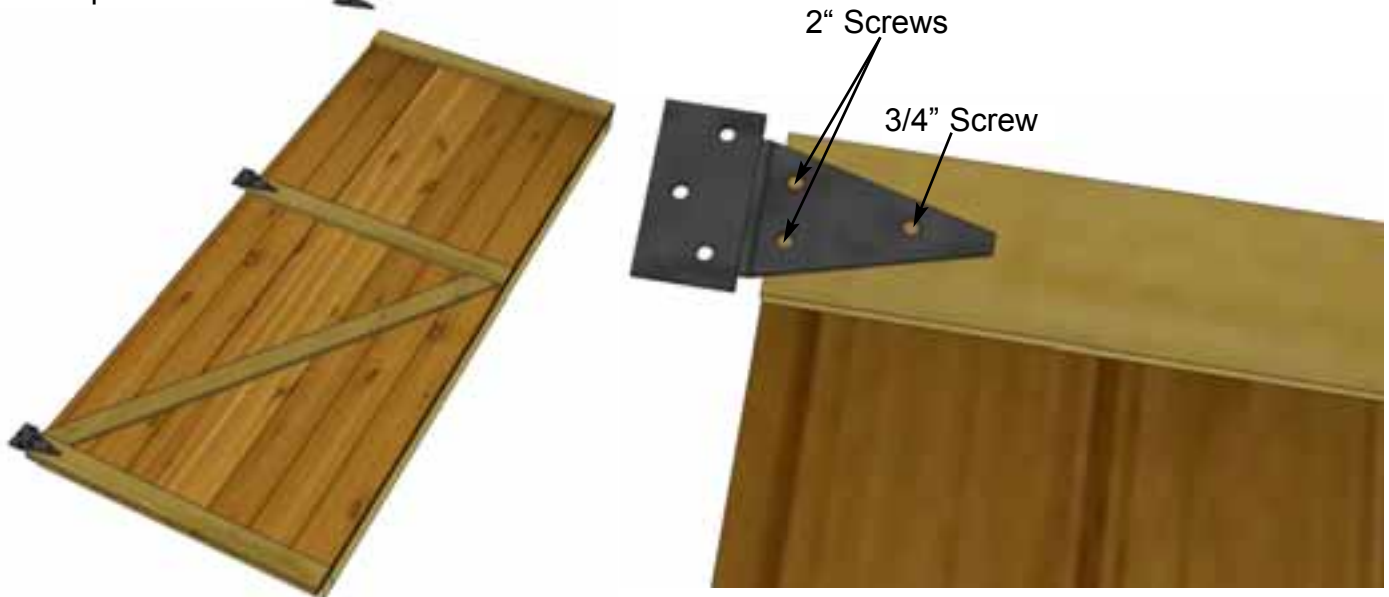
Parts (Step E17)
Pentagon Detail Plates
 (9 1/2" x 7 1/2") x 2
Facia Detail Plates
 (8" x 5 1/2") x 4

Parts (Step E17)
Gable Detail Plates
 (8" x 4 1/2") x 4
Hardware (Step E17)
N1 - 1 1/2" Finishing Nails
 x 36 total

Note: illustration of Hinge may not be accurate.

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

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



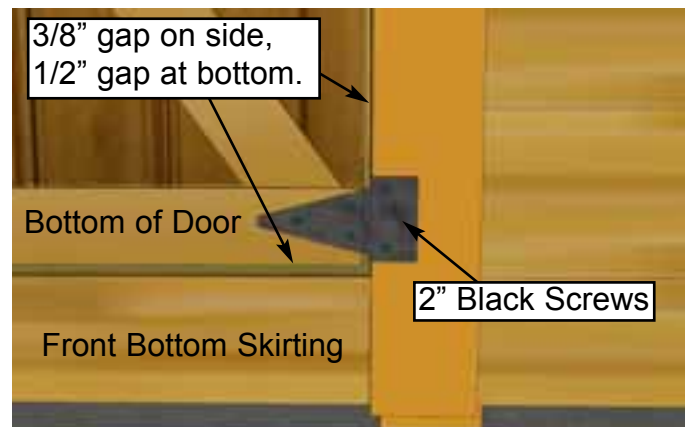
E18. Attach Door Hinges to both **Left and Right Side Double Doors**. Position Hinges equally on door trim as shown above and attach with Black 3/4" and 2" screws.

Parts (Steps E18 - E20)

Left Side Door
(31 1/2" x 72") x 1
Right Side Door
(31 1/2" x 72") x 1

Hardware (Steps E18 - E20)

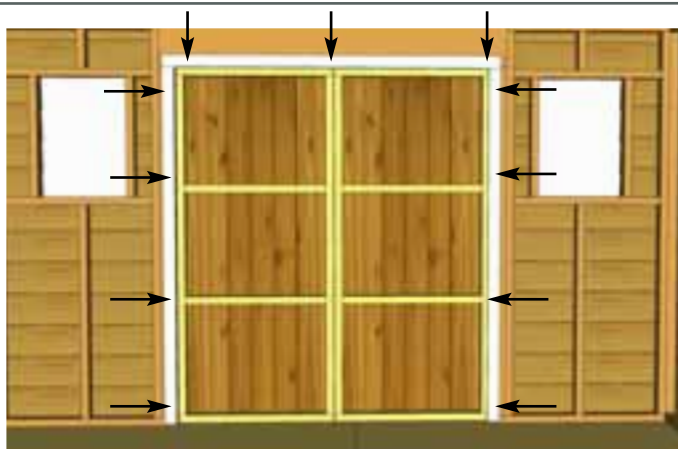
Y1 - Tee Hinges x 6 total
SB1 - 3/4" Black Screws x 6 total
SB2 - 2" Black Screws x 30 total



E19. Next, position and secure the Double Doors. Starting with **Right Side Door**, position so there is a 1/2" gap on bottom and approximately 3/8" on the side. Use a spare Shingle to shim door in place at the bottom. Secure hinges to Door Trim with **3 - 2" Black Screws** per hinge. **Hint:** Do not attach all the 2" screws until both doors are positioned correctly into place. Use Screw Driver to tighten screws completely.



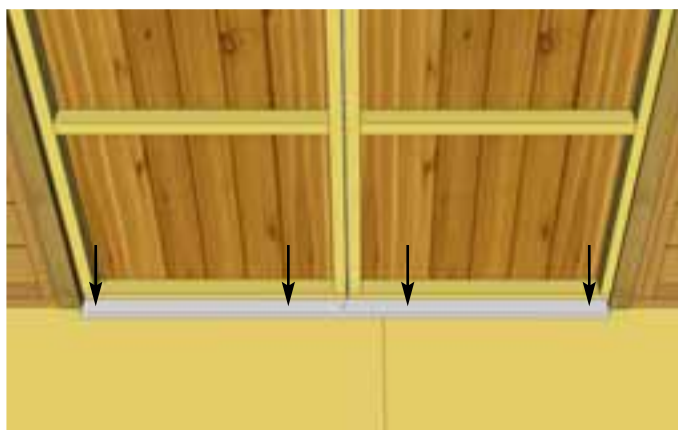
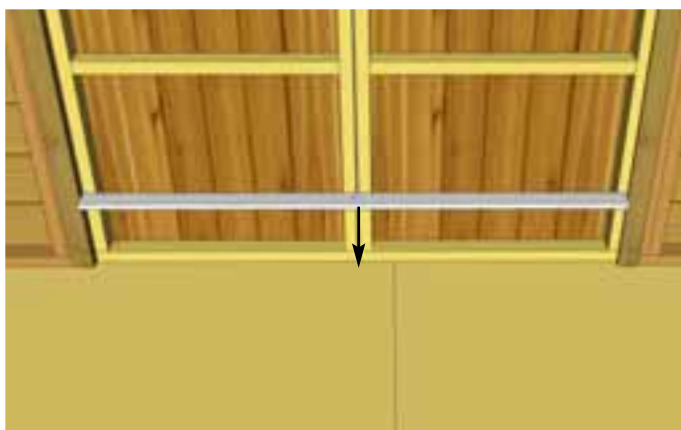
E20. Position **Left Side Door** as per **Step E19** and secure with 2" Black Screws. When satisfied with door positioning, complete all 2" Black Screw attachments. **Note:** Do not over tighten hinge screws when using screw gun. Tighten 3/4 of the way and use a Screw Driver to finish so as not to strip screws.



E21. Attach **Horizontal and Vertical Door Stops** to Door Header and Jambs. Start with Horizontal Stop first and then complete both Vertical Stops. Position so door gap is covered. Use 4 - 2" Screws per piece to secure.

Parts (Step E21)
Horizontal Door Stop
 (1/2" x 2 1/2" x 68") x 1
Vertical Door Stops
 (1/2" x 2 1/2" x 72") x 2

Hardware (Step E21)
S3 - 2" Screws
 x 12 total



E22. Close both doors and align so doors are straight. Attach **Door Threshold** with **4 - 2" Screws**, centering between doorway.

Parts (Step E22)
Door Threshold
 (3/4" x 2 1/2" x 62 1/2") x 1

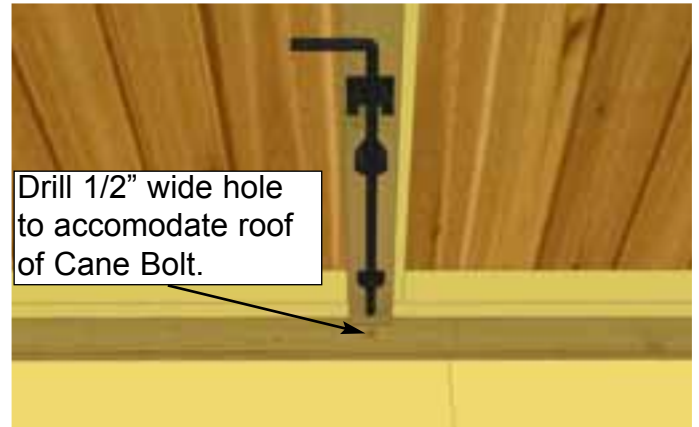
Hardware (Step E22)
S3 - 2" Screws x 4 total



E23. Position and attach **Vertical Door Flange** on inside edge of door frame (**left door from outside**) using **6 - 2" Screws**.

Parts (Step E23)
Interior Door Flange
 (1/2" x 2 1/2" x 71") x 1

Hardware (Step E23)
S3 - 2" Screws
 x 6 total



Drill 1/2" wide hole to accomodate roof of Cane Bolt.

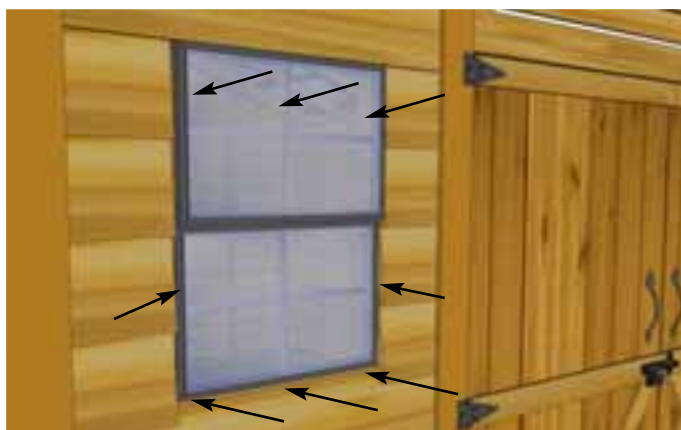
E24. The Interior **Cane Bolt** will be attached to Vertical Door Flange. To position Cane Bolt correctly, attach to flange first, close doors and mark hole to house Cane Bolt Rod. Open doors and drill hole where previously marked with 1/2" bit. Attach Cane Bolt with 3/4" black screws.

Hardware (Step E24)
Y6 - Cane Bolt x 1 total
SB1 - 3/4" Black Screws
 x 6 total



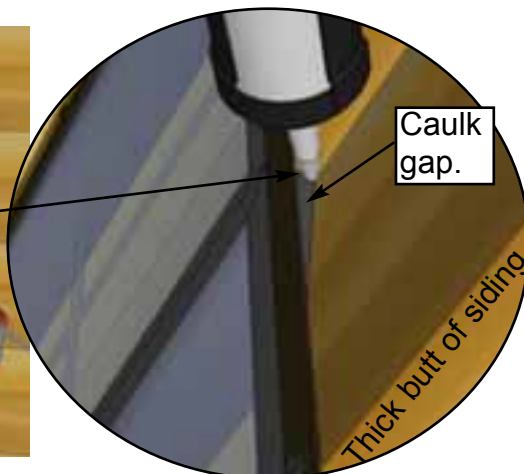
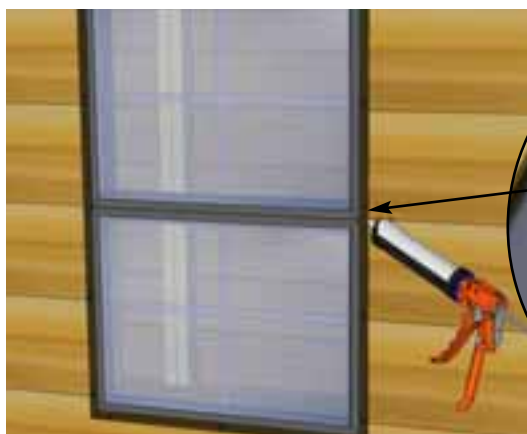
E25. Attach **Door Handles** and Exterior **Black Drop Latch** to door. Attach Drop Latch as illustrated above with **5 - 2" Black Screws** & **1 - 3/4" Black Screw**. Note how female part of Drop Latch is positioned higher than male. Do a dry run first to position Drop Latch correctly. Attach each Door Handle with **4 - 3/4" Black Screws**, ensure screws connect with inner door stud. **Important:** Drill pilot holes with 1/8" drill bit prior to securing with screws to prevent wood splitting.

Hardware (Step E25)
Y3 - Door Handles x 2 total
Y4 - Drop Latch x 1 total
SB1 - 3/4" Black Screws
 x 9 total
SB2 - 2" Black Screws
 x 5 total

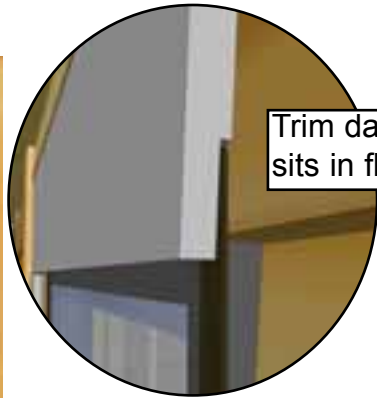


E26. Locate **Window Inserts**. Before installing, dab caulk in siding channel on both sides and across top of window opening. This will prevent water from getting in behind window. Position window in cavity and secure with **8 - 1 1/4" screws**. **Window trims** will be installed next to hide caulking.

Parts (Step E26)
Regular Window Inserts
 x 4
Hardware (Step E26)
S2 - 1 1/4" Screws
 x 16 total



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



E27. Position **Window Trim** around window doing a dry run first and attach with **4 - 1 1/2" Finishing Nails** per piece. The regular window kit is 1" x 24 1/16" = top (angle cut on ends), 3" x 23" = Sides and 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.

<u>Hardware (Step E27)</u> N1 - 1 1/2" Finishing Nails x 64 total
<u>Parts (Step E27)</u> Regular Window Trim x 4



E28. Assemble **Flower Box Kits** with Assembly Instructions included on Page 45. 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.

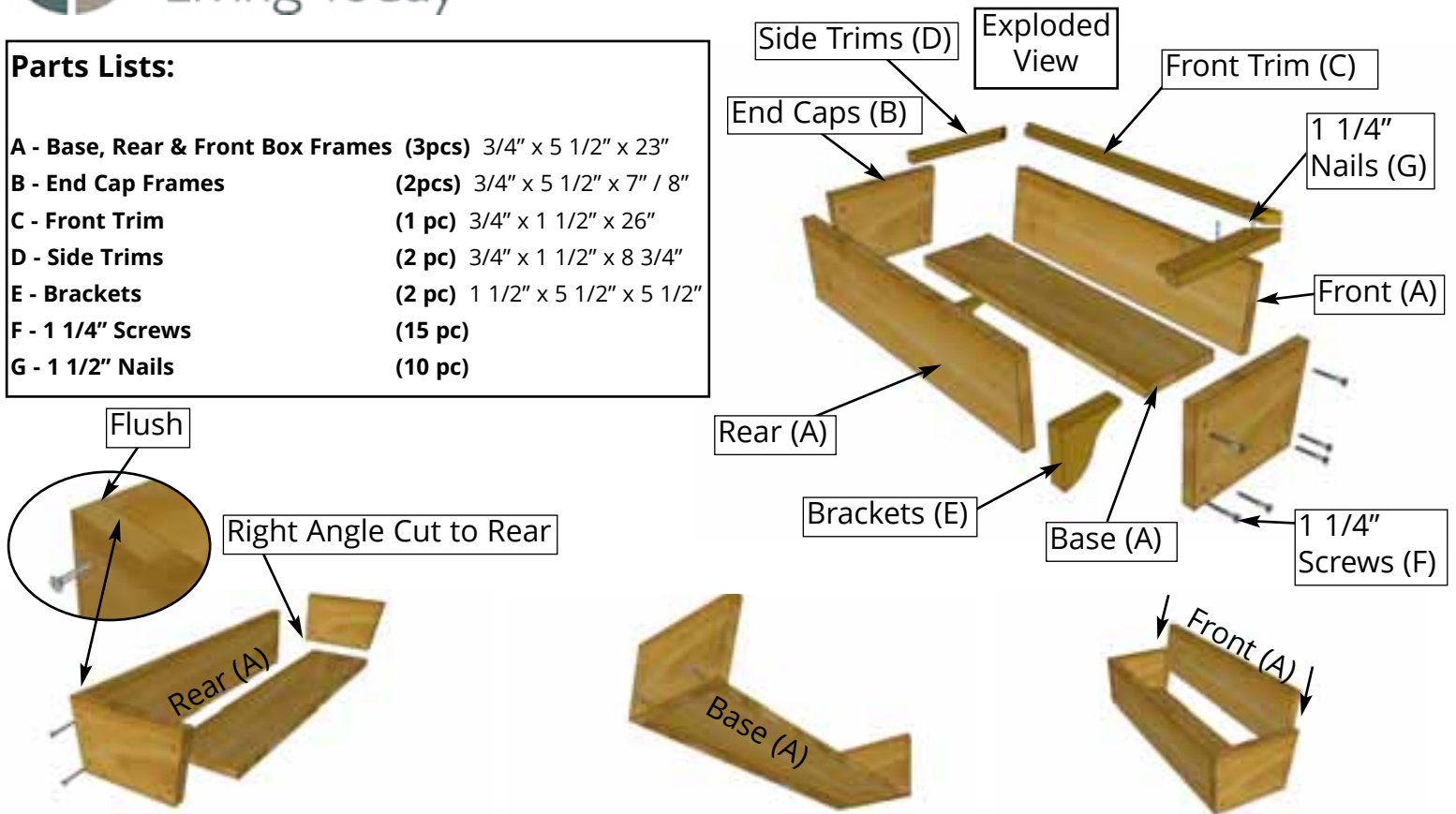
<u>Hardware (Step E28)</u> S1 - 2 1/2" Screws x 4 total
<u>Parts (Step E28)</u> Flower Box Kits x 2

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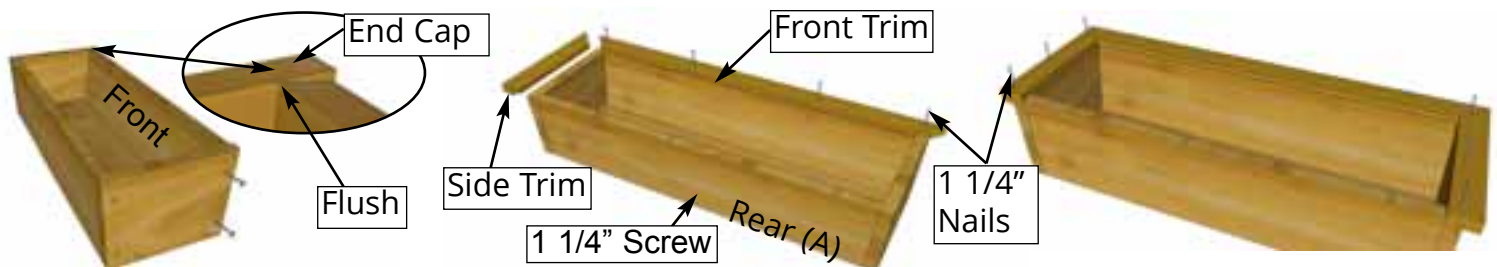
Flower Box Assembly Instructions

Parts Lists:

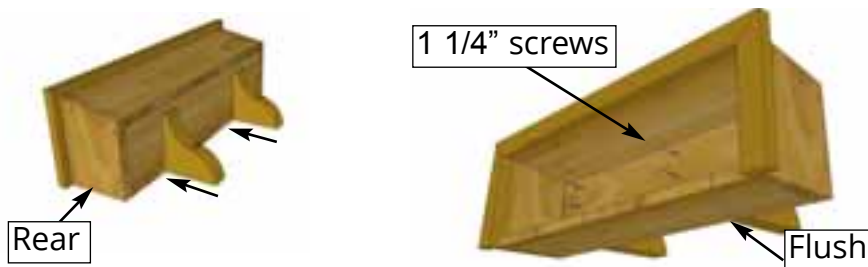
A - Base, Rear & Front Box Frames (3pcs)	3/4" x 5 1/2" x 23"
B - End Cap Frames (2pcs)	3/4" x 5 1/2" x 7" / 8"
C - Front Trim (1 pc)	3/4" x 1 1/2" x 26"
D - Side Trims (2 pc)	3/4" x 1 1/2" x 8 3/4"
E - Brackets (2 pc)	1 1/2" x 5 1/2" x 5 1/2"
F - 1 1/4" Screws (15 pc)	
G - 1 1/2" Nails (10 pc)	



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.)

Congratulations on assembling your 12x16 Space Master!

Note: Our Sheds are shipped as an unfinished product. If exposed to the elements, the lumber will weather to a silvery-gray color. If you prefer to keep the 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 **12x16 Space Master** 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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