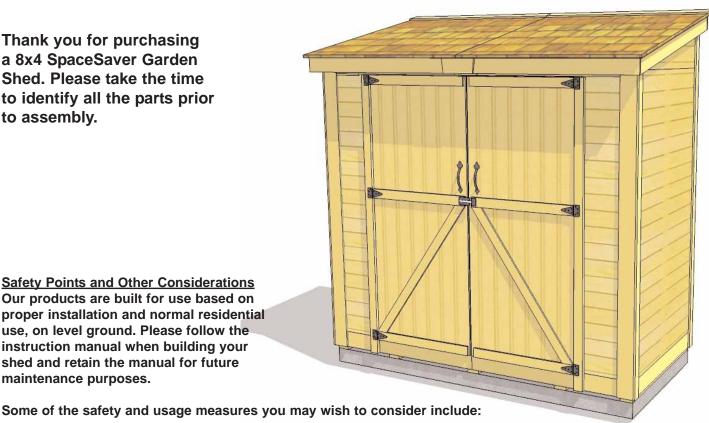


## 8x4 SpaceSaver Garden Shed - Double Door **Assembly Manual**

Revision #8 Oct 6, 2008

Thank you for purchasing a 8x4 SpaceSaver Garden Shed. Please take the time to identify all the parts prior to assembly.

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



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

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

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

Thank you for purchasing our 8x4 SpaceSaver Garden Shed. Please take the time to identify all the parts prior to assembly.

### Parts List:

#### A. Floor Section

- 1 45 ½" x 75" Large Floor Joist Frame (2 Joists unattached)
- 1 45 ½" X 21" Small Floor Joist Frame (2 Joists ATTACHED)
- 2 1 1/2" x 3 1/2" x 72" Floor Joists
- 5 1 ½" x 3 ½" x 45 ½" Floor Runners
- 1 5/8" x 45 3/8" x 74 7/8" Plywood
- 1 5/8" x 45 3/8" x 20 7/8" Plywood

#### **B. Wall Section**

- 4 45 1/2" x 75" Wall Panels
- 2 12" x 73" Narrow Wall Panel
- 2 9" x 45 1/2" Wall Extendors
- 2 - 45 1/4" Angle Wall Extendors
- 4 1 1/2" x 2 1/2" x 45 1/2" Wall Plates
- 1 3/4" x 3 1/2" x 70" Horizontal Wall Cleat
- 1 3/4" x 3 1/2" x 21" Horizontal Wall Cleat

#### Door, Jambs & Header

- 2 31 1/2" X 72" Full Doors
- 2 1 1/2" x 3" x 73" Door Jamb
- 1 2" x 3" x 78" Door Header-Long (Dado cut on edge)
- 2 2" x 3" x 6 1/2" Door Headers -Short (Dado cut on edge)
- 2 1/2" x 2 1/2" x 72" Vertical Interior Door Stops
- 1 1/2" x 2 1/2" x 68" Top Horizontal Interior Door Stop
- 1 3/4" x 2 1/2" x 62 1/2" Bottom Interior Door Stop
- 1 1/2" x 2 1/2" x 71" Interior Vertical Door Flange

#### C. Rafter & Roof Section

- 2 Roof Panels 51 1/2" x 55 3/4" (1-Left 1- Right )
- 5 1 ½" x 2 ½" x 54" Rafters
- 2 1/2" x 4" x 48" Front Soffit
- 2 1/2" x 3" x 48" Rear Soffit
- 4 Filler Shingles 6" Wide (One trimmed for top row)

#### D. Miscellaneous Section

#### (Skirting, Facia ,Trim & Misc. Parts)

- 2 1/2" x 4" x 54 1/8" Side Angle Cut Facia
- 2 1/2" x 4" x 50" Front Facia
- 2 1/2" x 4 1/2" x 50" Rear Facia
- 6 1/2" x 4 1/2" x 45 1/4" Bottom Skirting
- 4 1/2 x 2 1/2" x 75" Corner Filler Trim
- 2 1/2" x 2 1/2" x 78 3/4" Vertical Door Trim
- 2 1/2" x 2 1/2" x 80" Front Side Corner Trim
- 3 ½" x 2 ½" x 88 ¾" Rear/Middle Trim
- 2 ½ x 4 ½" x 78 ¾" Front Corner Trim
- 2 ½" x 4 ½" x 88 ¾" Rear Corner Trim 1 - ½" x 1 1/4" x 64" Horizontal Door Trim
- 2 ½" x 1 1/4" x 9 1/2" Horizontal Narrow Wall Trim
- 2 1/2" x 4" x 51 5/8" Roof Ridge Board
- 1 Detail Facia Plate
- 1 45 1/4" Spare Piece of Siding
- 1 Space Shingle

#### Hardware Package

- 2.5" Screws
- 2" Screws
- 1 1/4" Screws
- 1 1/4" Finishing Nails
- 2" Black Screws for Door Hinges
- 3/4" Black Screws for Door Hinges
- 8 Simpson Strong Tie Roof Connectors
- 6 Black Tee Hinges
- 1 Black Barrel Bolt
- 2 Pull Handles
- 1 Black Cane Bolt
- 1 Square Drive Screw Bit

#### Tools Required:

Work Gloves

Screw Gun with square drive bit and drill bits

Level

2 Large Ladders

Hammer

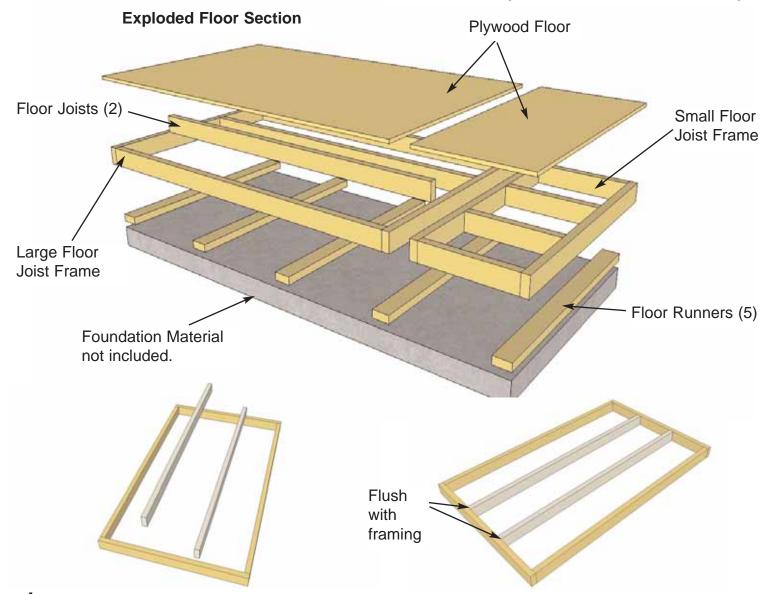
Safety Glasses

Wood Clamps

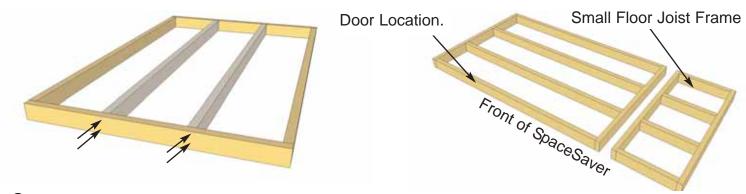
## A. Floor Section

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

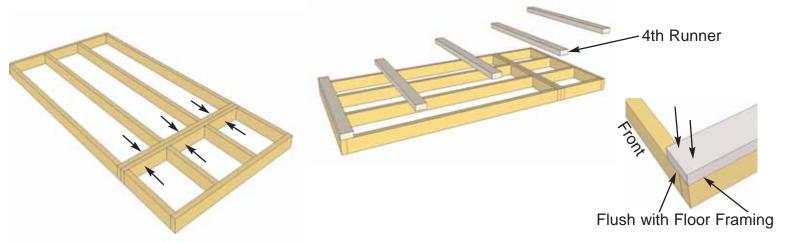
Note, Floor Footprint is 96" wide x 45 1/2" deep.



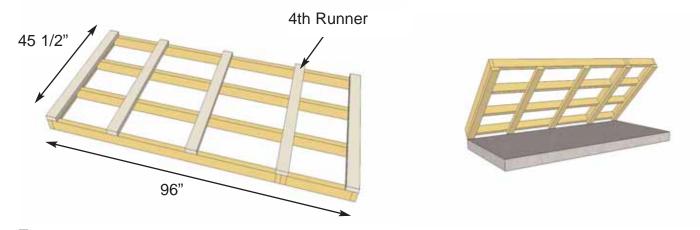
**1.** Lay out **Large Floor Joist Frame and 2 Floor Joists** as illustrated above. Position Joists equally in Floor Joist Frame. Use **Small Floor Joist Frame** as a template to determine joist position. Position Joist so flush with framing.



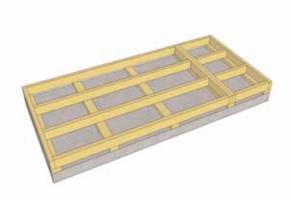
2. When correctly positioned, attach each Joist with 4 - 2 1/2" screws (2 per end). You can find the Square Drive Bit for the screws in with the Hardware Kit Bag.



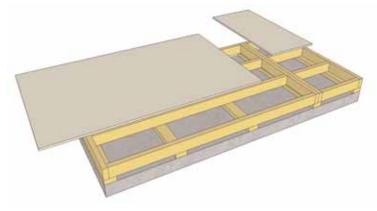
- **3.** With Floor Joist Frames positioned together flush, attach with 6 2 1/2" screws.
- **4.** Position and attach **Floor Runners** to completed floor frames with 6 2 1/2" screws per Runner. Make sure Runners are flush with outside and front and rear floor framing but not overhanging. Make sure 4th Runner is placed equally over seam where floor frames meet.



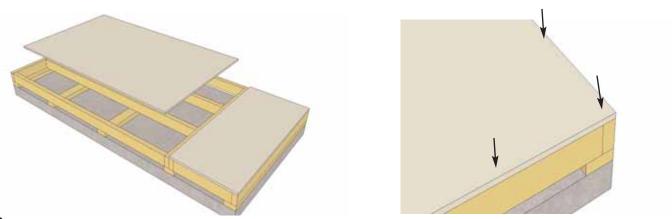
**5.** With Floor Runners attached, carefully flip the floor over and place on your foundation. **Caution-** you may need 2 people to assist you. Be careful when laying floor down not to bend or twist floor. **Note:** The floor will be flipped over and floor runners will sit on your foundation. It is 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.** When in place, level floor completely before proceeding.

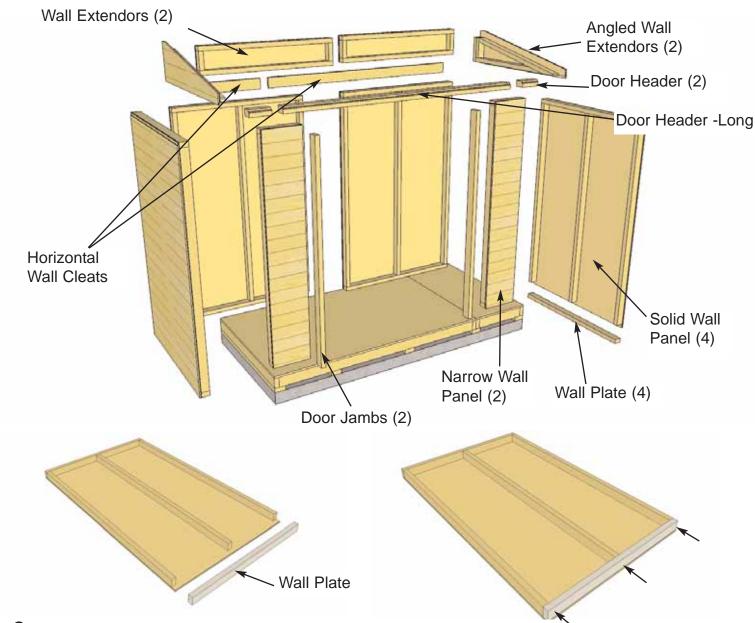


**7.** Position **Plywood Floor** pieces (2) on top of completed floor joists.

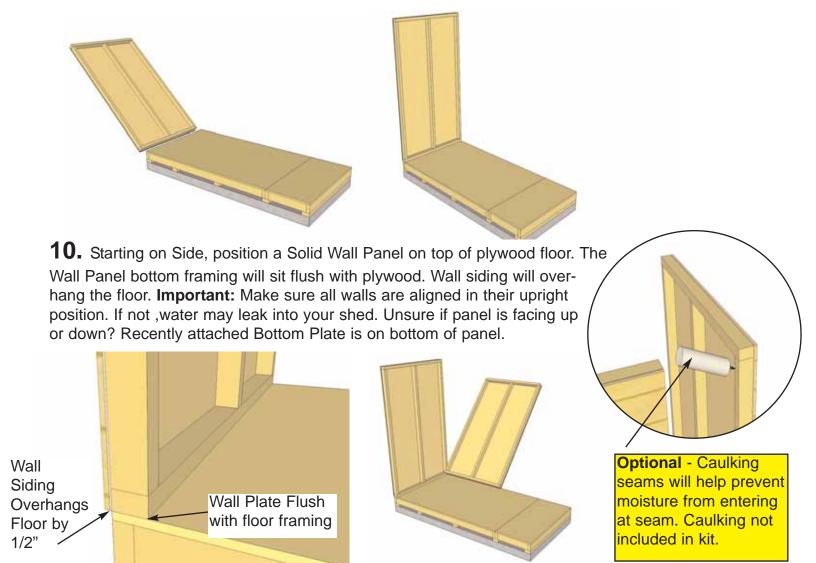


**8.** Position Plywood so it sits flush with outside of floor joist framing. When correctly positioned, attach to all floor joists with 1 1/4" screws. Use screws every 16".

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



**9.** Locate 4 **Solid Wall Panels** and 4 **Wall Plates.** Attach Plates to bottom of wall studs of each wall panel with 3 - 2 1/2" screws. Position so plates are flush with framing.



**11.** Outside 2x3 framing of wall panel should be flush with outside of plywood when properly aligned. **Note:** Siding will overhang the floor by approx. 1/2". When positioned correctly, locate 2nd Solid Wall Panel and place in Corner.

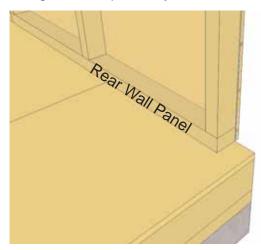


**12.** Butt both vertical wall studs of side and rear walls together and attach with 3 - 2.5" screws. Screw at the bottom, middle and top of stud to secure properly. **Note**, drill pilot holes in studs to prevent splitting.

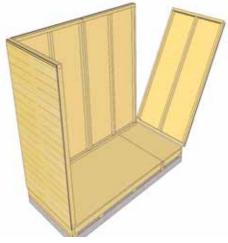




**13.** With the corner wall attachment complete, position the second rear wall panel in place so bottom 2x3 wall framing is sitting flush with outside floor joists and plywood floor. Wall siding should overhang floor by approximately 1/2". When positioned correctly, attach both wall panel studs together as per **Step 12** with 3 - 2 1/2" screws.



Do Not Attach Walls To Floor until Step 30

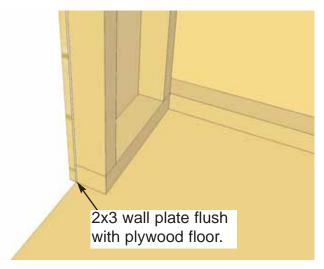


14. With Rear Wall Panel in place, position other side wall panel on floor as per Step 10 & 11.

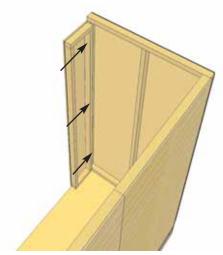




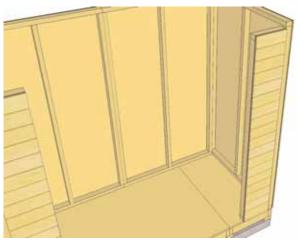
**15.** Secure side wall panel to rear wall panel as per **Step 12**. Next, locate **Narrow Wall Panels** and position in front corner.



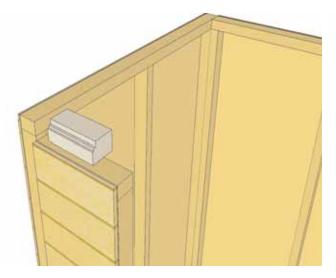
**16.** Once again position the 2x3 wall plate so it sits flush on floor and siding overhangs. Note, Narrow Wall Panel is only 73" high.

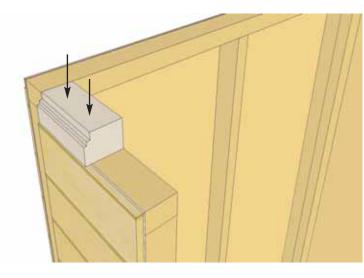


**17.** When correctly positioned, secure Narrow Wall Studs to Side Wall Stud with 3 - 2 1/2" screws.

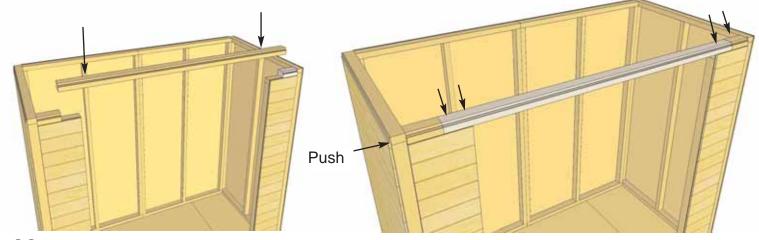


18. Complete opposite Narrow Wall as per Steps 16 & 17.

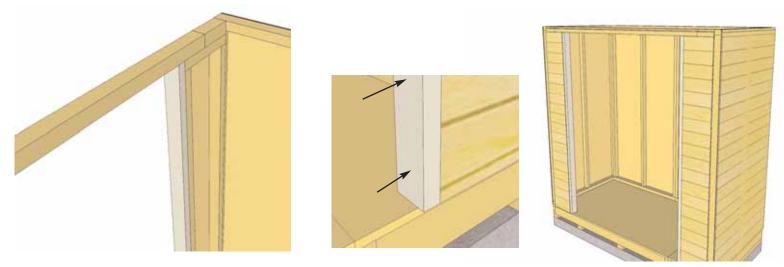




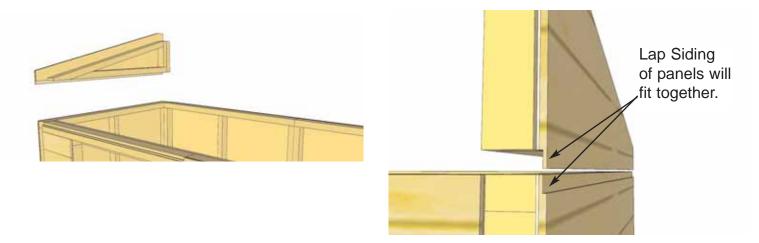
**19.** Locate both Door Headers - Short (Dado Cut on edge facing out). Attaching both short end pieces using 2 - 2 1/2" screws per piece. Screw from top down into wall framing. Align to inside of wall framing.



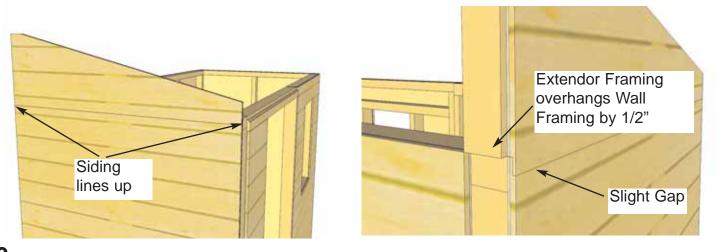
**20.** Locate Door Header - Long (Dado Cut on edge facing out). Attach using 2 - 2 1/2" screws per end. Screw from top down into wall framing. Once again, align with inside of wall framing and other Door Headers. **Hint**- Push Side Wall to close any gaps between Headers.



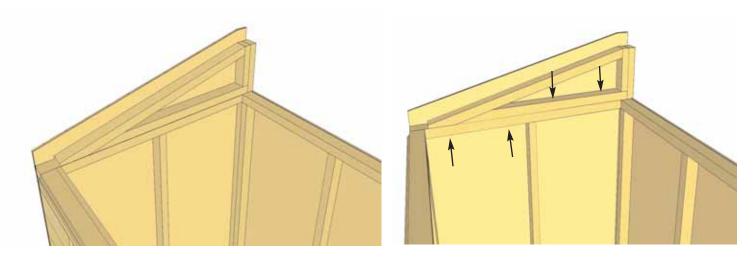
**21.** Locate both Vertical Door Jambs and position flush against front narrow wall stud. The Jamb is 3" wide and will **sit flush to outside of wall siding.** When positioned correctly, secure Jamb using 6 - 2 1/2" screws. Complete both sides.



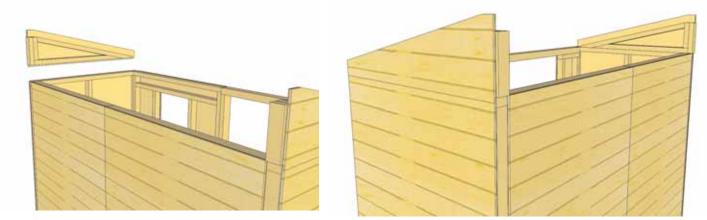
**22.** Locate a **Angled Wall Extendor** and place on side wall panel frame. **Note**, lap siding of Wall Extendor will cover lap siding of side wall.



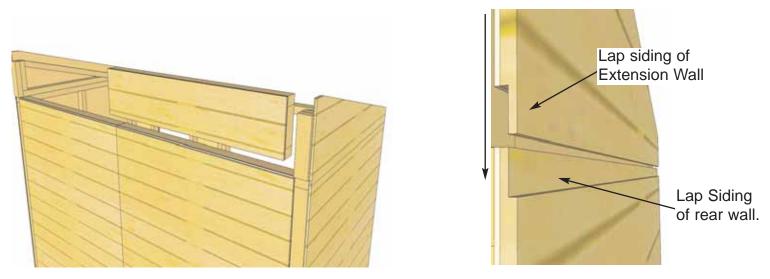
**23.** Align siding of Angled Wall Extendor and Side Wall so they are flush. **Note**, When correctly aligned, vertical rear framing of Angled Gable Wall will overhang Side Wall framing by approx. 1/2".



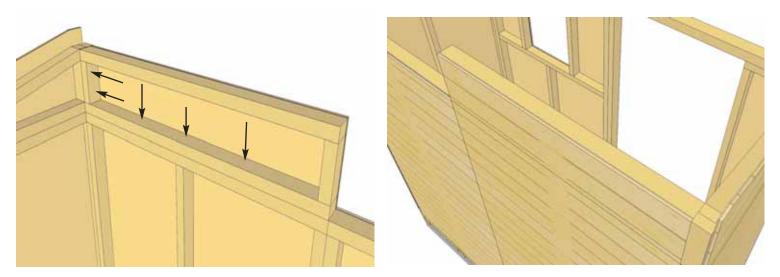
**24.** With Angled Wall Extendor and Side Wall aligned correctly, secure together from the inside with 4 - 2 1/2" screws.



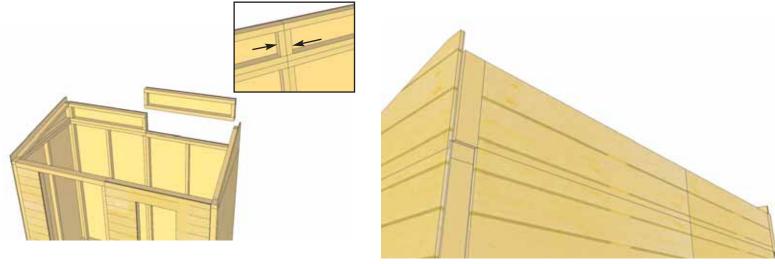
**25.** Complete opposite Angled Wall Extendor positioning and attachment as per **Step 23 & 24.** 



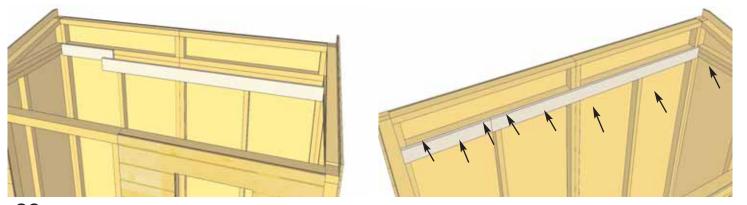
**26.** Locate one **Wall Extendor** and place on rear wall panel with lap siding of extendor overlapping that of the rear wall.



**27.** With 2x3 wall framing aligned, attach Wall Extendor to both the Angled Wall Extendor framing and the rear wall framing with 5 - 2 1/2" screws.

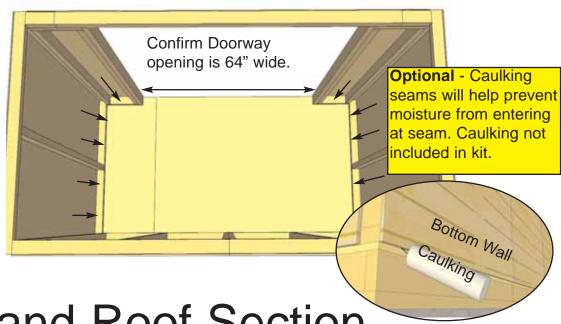


**28.** Position and secure 2nd Wall Extendor Panel as per **Steps 26 & 27**. Attach together with 2 - 2 1/2" screws.



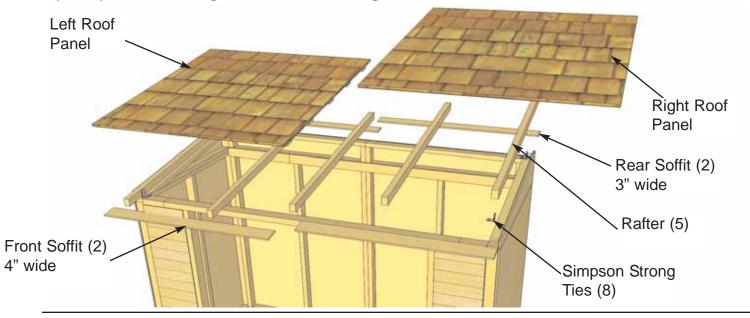
**29.** Attach **Horizontal Wall Cleats** to Wall Extendor bottom framing and rear wall top framing so cleat is flush with extendor framing. There is a short and long wall cleat. Alternate alignment of screws so 1/2 screw into wall extendor framing and the other land in the rear wall top framing. Use 8 - 2" screws.

**30.** To complete Wall Section, attach bottom 2x3 wall plates to plywood floor with 20 - 2 1/2" screws. Confirm Doorway opening is 64" wide. Prior to securing, make sure wall panels are aligned correctly on the floor. Refer to **Step 11.** Wall siding should overhang floor while 2x3 wall plates should sit flush with floor.



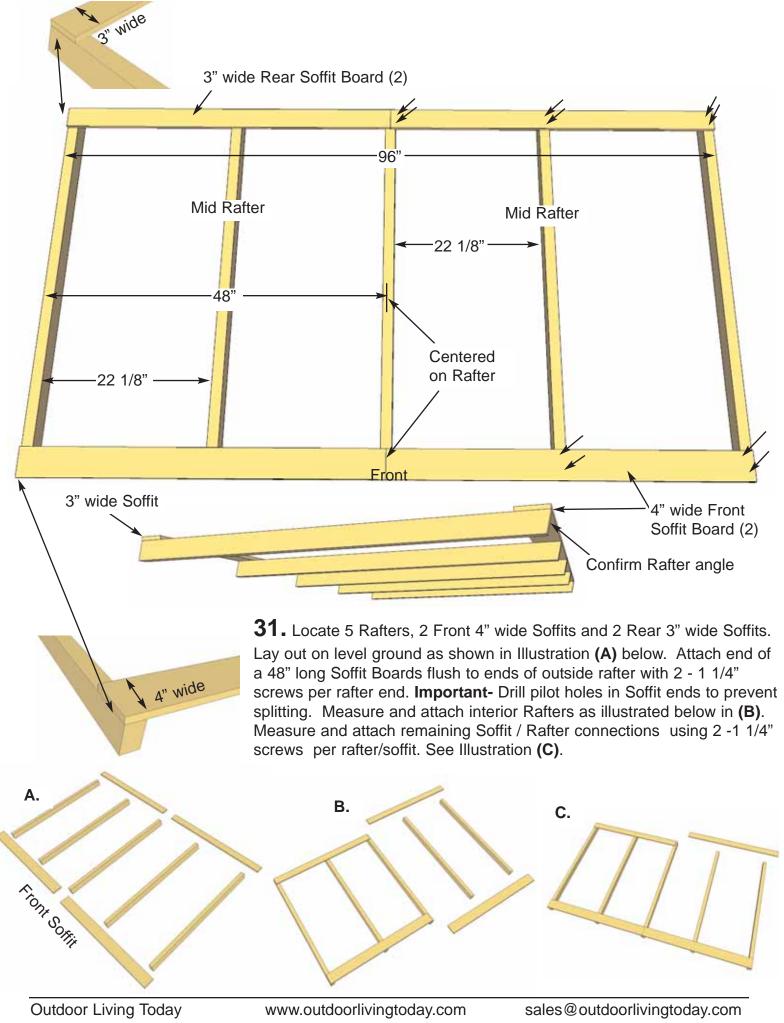
## C. Rafter and Roof Section

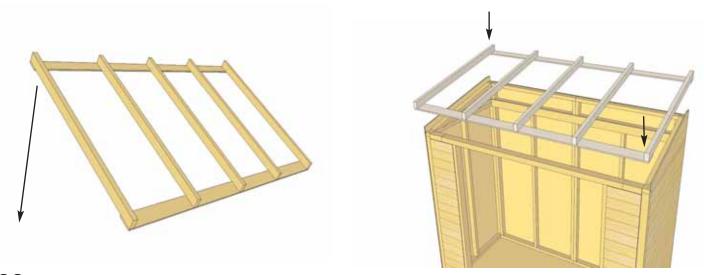
Exploded view of all parts necessary to complete the Rafter and Roof Section. Identify all parts prior to starting. 6" Wide Filler Shingles not shown in Illustration.



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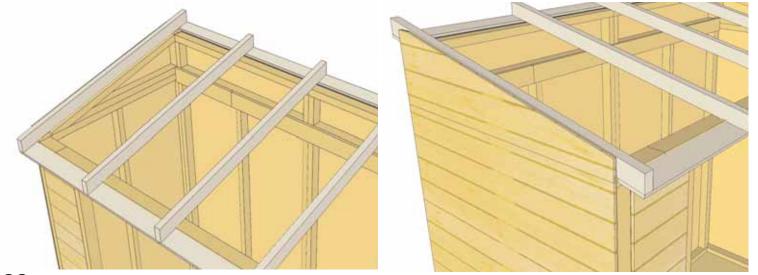
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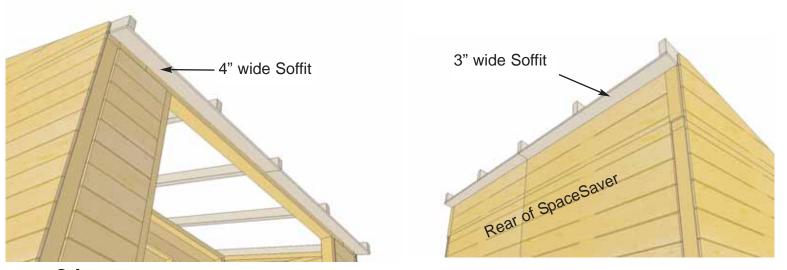


**32.** Carefully flip completed Rafter Section over so 4" wide Soffit is facing the front and place on SpaceSaver walls.

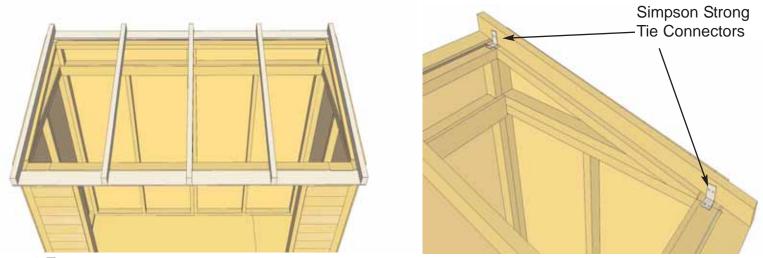
Note, once again, make sure 4" wide Soffit is positioned to the front of the shed.



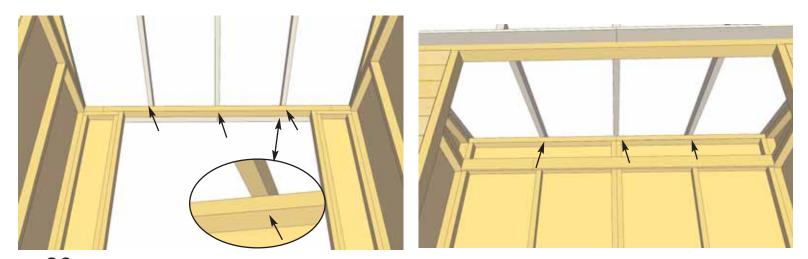
**33.** Position Rafter Section on walls so outside Rafters lay flush with gable framing equally from side to side and both Front and Rear Soffits are flush against both front and back walls.



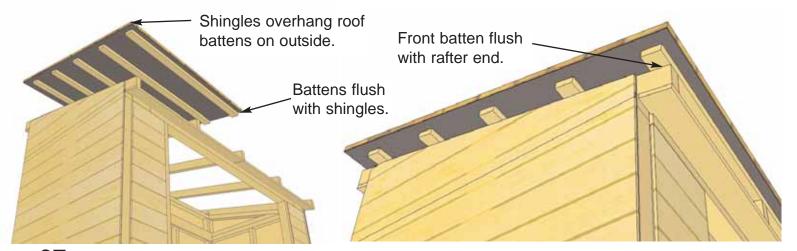
**34.** When Rafter Section is positioned correctly, both Front and Rear Soffits will sit flush against siding of wall panels.



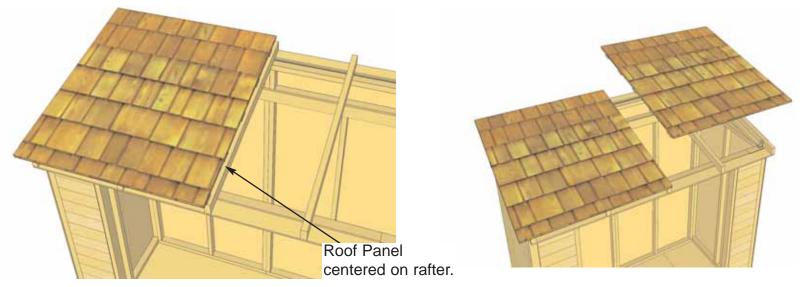
**35.** With Rafter Section correctly aligned, secure rafters to walls using **Simpson Strong Tie Connectors**. Start with outside rafters and secure 2- strong ties with 1 1/4" screws. Screw into Wall Extension Framing at the rear and the Wall Panel top framing at the front. Complete both sides.



**36.** With outside rafters properly secured, completely secure remaining interior rafters using 3 - 2 1/2" Screws per side. Screw from inside of Top Wall Plate into Rafter.



**37.** Correctly orientate Left Side Roof Panel with shingles overhanging roof battens on the outside left and shingles flush with battens to the right. Place on rafters with front roof batten flush with front of rafter. **Note,** trimmed shingles on roof panel to back of shed.

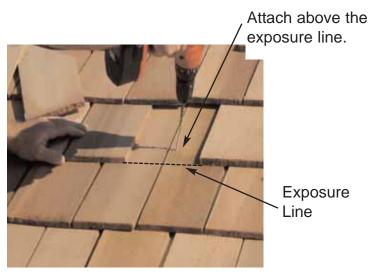


**38.** For correct Roof Panel position, align panel so roof batten sits evenly on center Rafter. Complete both roof Panels



**39.** With Roof Panel aligned, screw panels down to center rafter with 2 - 2.5" screws in the bottom row of shingles. (1 screw per panel)

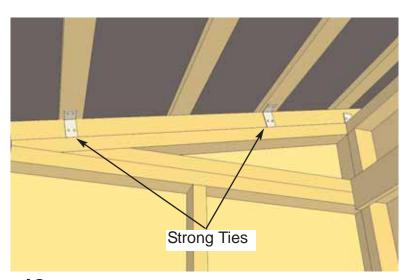


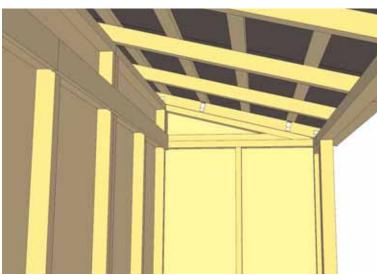


**40.** Roof **Filler Shingles** are included to cover roof seams. Starting at the bottom, slide the first Long shingle in until flush with other bottom shingles. Screw first filler shingle down to rafters using 1 - 2 1/2" screw per panel (2 in total). Make sure to screw into both rafters.

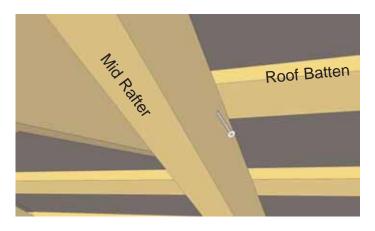


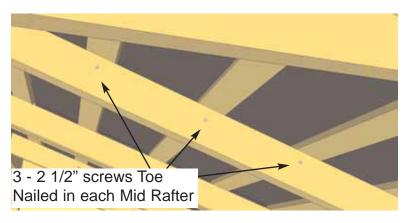
**41.** Slide in another Long Filler Shingle and attach as per **Step 40.** On your last row of shingles, the Filler Shingle is precut to fit properly. Attach to roof with 2 -1 1/4" finishing nails.





**42.** Secure roof panels to walls at both ends by positioning 2 Simpson Strong Ties on battens and outside rafters and securing with 4 - 1 1/4" screws per Strong Tie. Complete both sides.

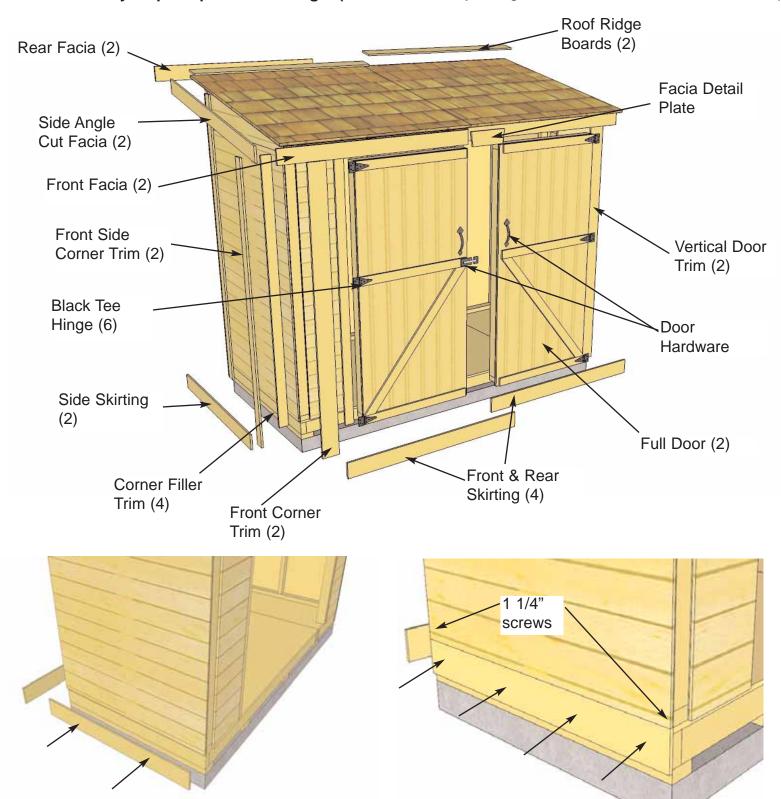




**43.** To further secure roof panels, from the inside, drill pilot holes in each Mid Rafters (3 per Rafter) on an angle. Using 3 - 2 1/2" screws, secure rafters to roof battens. **Note,** from outside, push roof panel down so batten sit flush against rafter when securing.

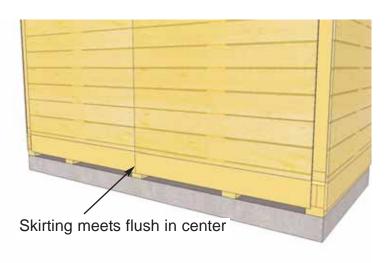
## D. Miscellaneous Section

Exploded view of all parts necessary to complete the Skirting, Trim, Facia and all Miscellaneous Pieces. Identify all parts prior to starting. (Not Shown; Door Stops, Flange, Threshold, Rear Trim, Horizontal Door Trim)

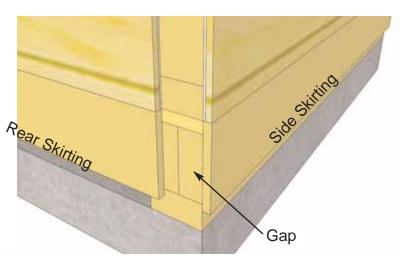


**44.** Attach **Bottom Skirting** around the base of the shed. Skirting will hide floor framing. Start with side skirting pieces first and attach with 4 - 1 1/4" finishing nails per piece. Attach additional 1 1/4" screws on bottom edge of wall siding into bottom wall plate to further secure bottom siding to framing. **Note**, Corner Trim will cover screws in **Steps 53 & 54**. Drill pilot holes in siding to prevent splitting.



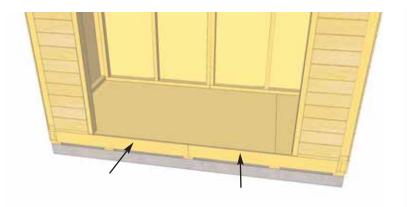


**45.** Rear skirting pieces will meet together in the center. Secure with 4 - 1 1/4" finishing nails per piece. Insert additional screws into siding as per **Step 44.** 

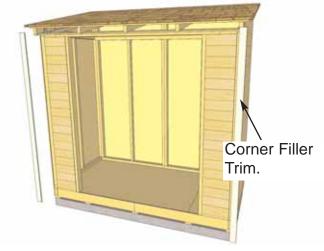




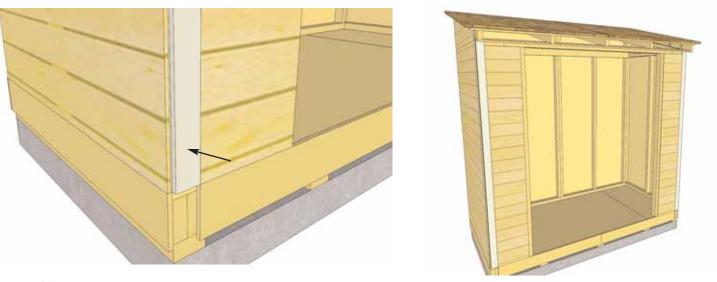
**46.** Gaps on outside will be covered by Corner Trim pieces later. Complete front and side skirting attachments.



**47.** Use 6 nails on each front skirting piece for extra support since it will be a high traffic area.



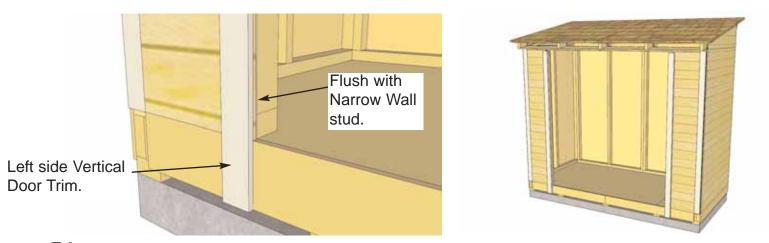
**48.** Locate **Corner Filler Trims** (2 - 1/2" x 2 1/2" x 75") and place in front corners of SpaceSaver.



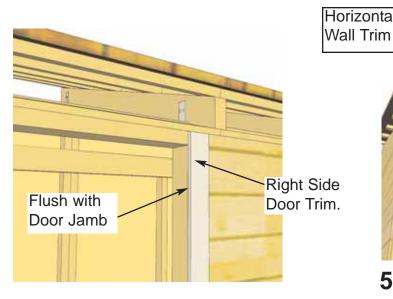
**49.** Attach **Corner Filler Trims** where gaps exist in front corners. Hammer with 8 - 1 1/4" finishing nails. Corner Fillers are positioned flush with siding and to the top of the bottom skirting.



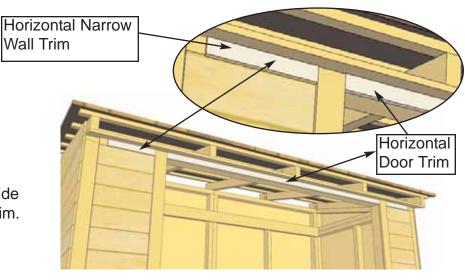
**50.** Position and attach Corner Filler Trims in the rear as per **Step 49.** 



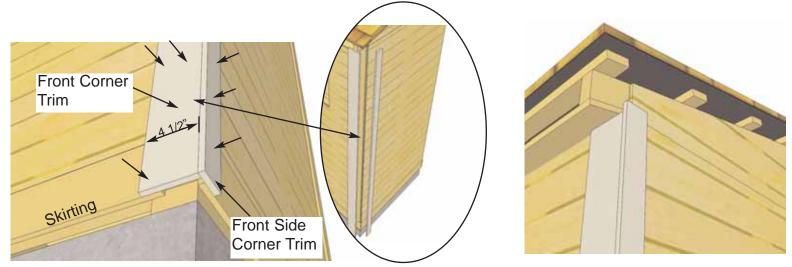
**51.** Locate **Vertical Door Trim** -  $(2 - 1/2" \times 2 1/2" \times 78 3/4")$ . Position left door trim flush with outside narrow wall stud. Trim should also be aligned flush with bottom skirting. Attach with 8 - 1 1/4" finishing nails.



**52.** Position Right Side Door Trim flush with inside of Door Jamb. Attach with 8 - 1 1/4" finishing nails.



**53.** To trim out door, locate both **Horizontal Narrow Wall Trims** (9 1/2" long) and the **Horizontal Door Trim** (64" long). Position as shown above and attach with 1 1/4" finishing nails.



**54.** To completely trim out front corners, locate a **Front Side Corner Trim** -1/2" x 2 1/2" x 80" and a **Front Corner Trim** - 1/2" x 4 1/2" x 78 3/4". Place both trims in front corner and align as illustrated above. Do a dry run prior to attaching achieve best fit. Attach with 8 - 1 1/4" finishing nails per piece. Align trim so flush with bottom skirting.



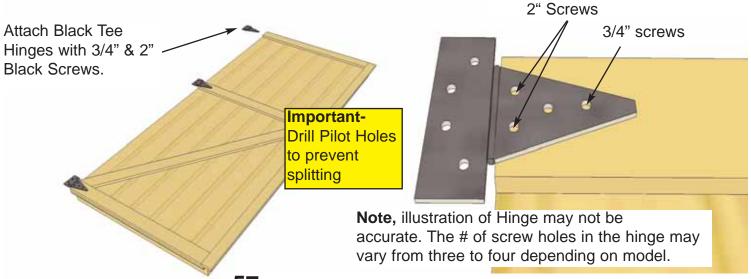


**55.** To completely trim out rear corners, locate **Rear Trim** -1/2" x 2 1/2" x 88 3/4" and a **Rear Corner Trim** - 1/2" x 4 1/2" x 88 3/4". Align and attach as per **Step 54**.





**56.** Attach **Middle Trim** - 1/2" x 2 1/2" x 88 3/4" where wall panels come together and leave a seam in the rear. Attach with 8 - 1 1/4" finishing nails aligning flush with bottom skirting.

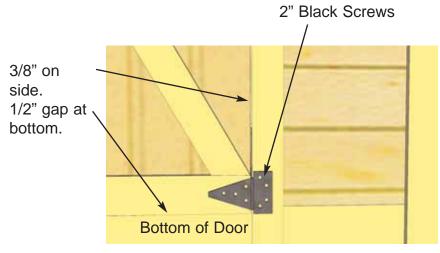


**57.** Attach Door Hinges to both **left** and **Right Side Double Doors**. Position Hinges equally on door trim as shown above and attach with Black 3/4" and 2" screws.

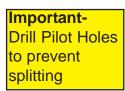




**58.** With Hinges attached on to door panel, position in doorway opening.



**59.** 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 piece of siding to shim door in place at the bottom. Using 2" black screws, secure hinges to Door Trim. **Hint:** Do not attach all the 2" screws until both doors are positioned correctly into place. Use Screw Driver to tighten screws completely.



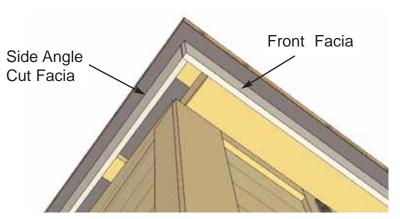


**60.** Make sure Door Panel is aligned evenly at top and edge. When aligned correctly, attach top and middle hinge to narrow trim with hinge hardware provided.



**61.** Place second Door into position and attach as per **Step 59**. Make sure Doors can open and shut correctly prior to completely securing hinge screws.





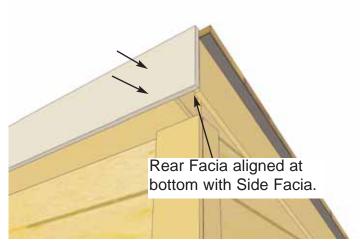
**62.** Locate and identify all Facia pieces. **Front Facia** is 4" wide while **Rear Facia** is 4 1/2" wide. **Side Angle Cut Facia** is angle cut on both ends. In front corner, align side and front Facia together.





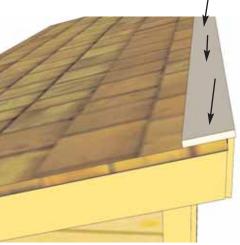
**63.** With Side Angle Cut Facia correctly aligned, attach Front Facia to rafter ends with 6 - 1 1/4" finishing nails per piece. Attach Side Angle Cut Facia to batten ends with 4 - 1 1/4" nails. Attach next piece of Front Facia. Align Facia in corner as per **Step 62**. **Note**, with Front Facia correctly aligned, a small gap may occur where they meet. This will be covered by Facia Detail Plate in **Step 73**.



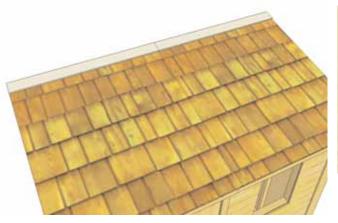


**64.** Locate **Rear Facia** (4 1/2" wide) and align with top edge of roof shingles. Attach facia to rafter ends with 6 - 1 1/4" finishing nails per piece. Complete both Rear Facia pieces. **Note,** Detail Facia Plate not required in the rear.

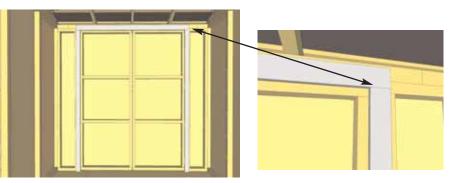




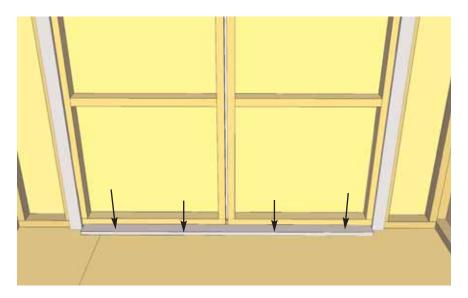
**65.** Position **Roof Ridge Boards** at the rear of roof to cap off shingles and facia. Ridge Board should meet on seam of roof panel. When aligned correctly, attach with 3 - 2 1/2" screws. Screw into outside, mid and center rafter.



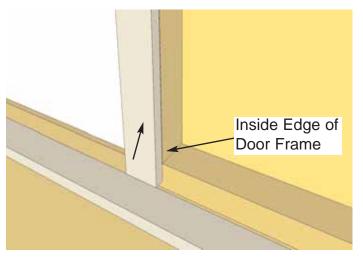
**66.** Complete both Roof Ridge Boards

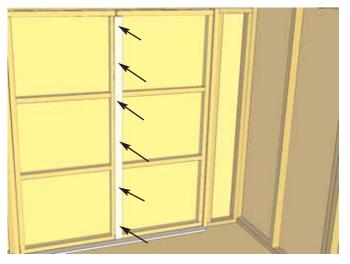


**67.** Attach Top Horizontal and Vertical **Interior Door Stops** to door header and jambs. Start with horizontal Stop first centering over doorway and then complete both vertical stops. Use 4 - 2" screws per piece to secure.



**68.** Close both doors and align so doors are straight. Attach Bottom Interior Door Stop (2 1/2" wide x 62 1/2" long) with 4 - 2" screws, centering between doorway.





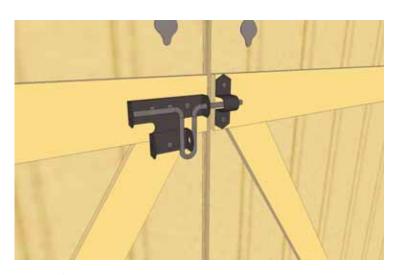
**69.** Position and attach **Interior Vertical Door Flange** on inside door frame **(left door from outside)** using 6 - 2" screws. Position on inside edge of door frame so Flange overlaps door frame by 1".



**70.** 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 9/16" bit. Use hardware and instructions provided in Cane Bolt kit to complete installation.



**71.** Attach **Door Handles.** Handles are positioned on top section of each door and mounted with 3/4" Black Screws.



**72.** Attach Black Barrel Bolt as illustrated above with 3/4" Black Screws. Note how female part of Barrel Bolt is positioned higher than male. Do a dry run first to position Barrel Bolt correctly. **Important** - Drill pilot holes with 1/8" drill bit prior to securing with screws to prevent wood splitting.





**73.** Attach **Facia/ Detail Plates** to cover seam where Front Facia pieces come together. Secure 4 - 1 1/4" finishing nails .

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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.



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Please call, write or email us at:

Outdoor Living Today Partnership P.O. Box 96 Sumas, Washington 98295

Toll Line: 1.888.658.1658 | Fax: 1.604.462.5333 | sales@outdoorlivingtoday.com

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