

# Call Us First! DO NOT RETURN TO STORE.

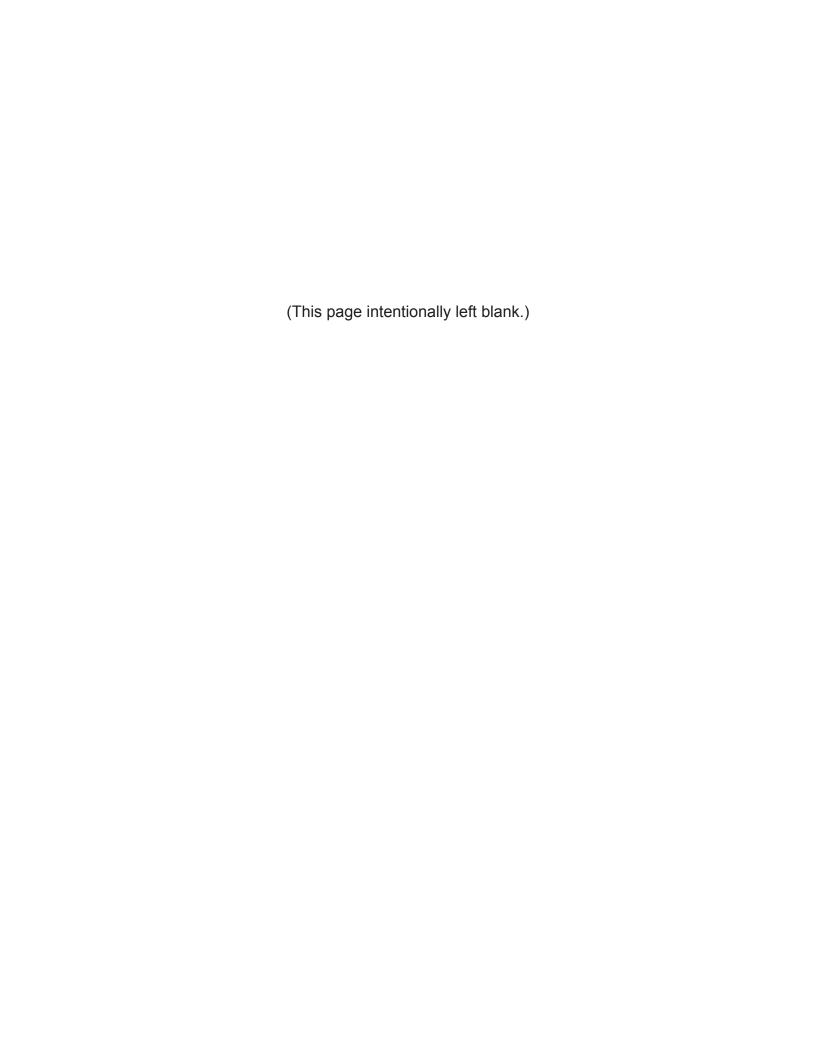
For immediate help with assembly or product information call our toll free number:

1-888-827-9056 or email:

customerservice@backyardproductsllc.com

Our staff is ready to provide assistance
April through October M-F 8:00 AM to 6:00 PM EST
Saturday 8:30 AM to 4:30 PM EST

November through March M - F 8:00 AM to 5:00 PM EST



Backyard Products, LLC 1000 Ternes Drive Monroe, MI 48162

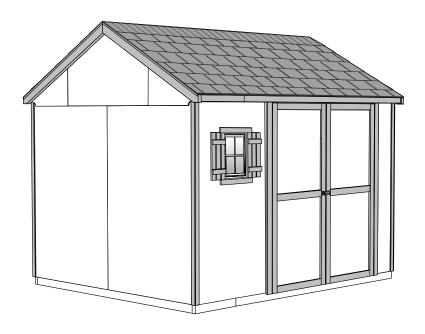
# ASSEMBLY MANUAL

16587-GEN 02/13/2019

# GABLE 10' x 8' (305 x 244 cm)

ACTUAL FLOOR SIZE IS 116-1/2 x 96" (295,9 x 243,8 cm)

#### KEEP THIS MANUAL FOR FUTURE REFERENCE



# 

## **BEFORE YOU BEGIN**

BUILDING RESTRICTIONS AND APPROVALS

Be sure to check local building department and homeowners association for specific restrictions and/ or requirements before building.

ENGINEERED DRAWINGS

Contact our Customer Service Team if engineered drawings are needed to pull local permits.

SURFACE PREPARATION

To ensure proper assembly you must build your shed on a level surface.

Recommended methods and materials to level your shed are listed on page 9.

CHECK ALL PARTS

Inventory all parts listed on pages 4-6. Contact our Customer Service Team if any parts are missing or damaged.

ADDITIONAL MATERIALS

You will need additional materials to complete your shed. See page 3 for required and optional materials and quantities.

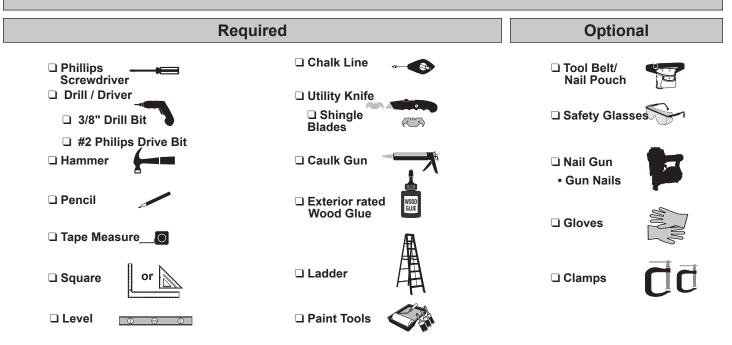


## - CUSTOMER SERVICE -



Call: 1-888-827-9056 email: customerservice@backyardproductsllc.com

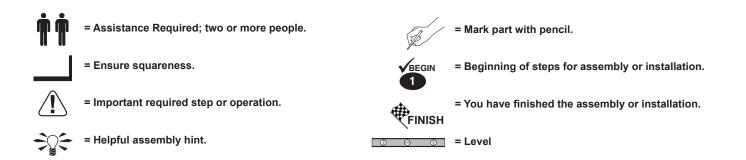
# **TOOLS**



Safety! Always use approved safety glasses during assembly.

# HELPFUL REMINDER SYMBOLS

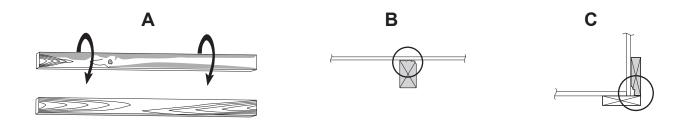
Look for these symbols for helpful reminders throughout this manual.



## ORIENT LUMBER AND TRIM FOR BEST APPEARANCE

Framing lumber is graded for structural strength and not appearance. Exterior trim is graded for one good side.

Always install the material leaving the best edge and best surface visible. Please remember that these blemishes in no way negatively affect the strength or integrity of our product. (See Fig. A, B, C.)



# ADDITIONAL MATERIALS

#### FOUNDATION OR FLOOR MATERIALS

- This shed kit includes a wood floor frame, it does not include floor panels.
- This shed does not include any leveling materials.
- See the FLOOR LEVELING section on page 7 for recommended methods and suggested materials to properly level your floor, as this will vary depending on your specific site.

# REINFORCED WOOD FLOOR FRAME (OPTIONAL)

IMPORTANT! The included floor has been designed for general use. Depending on your specific use you may want to construct a heavy duty floor frame by adding additional floor joists (shown below as shaded). Below is a list of additional materials (not included).

x5	2 x 4 x 8' (5,1 x 10,2 x 243,8 cm) Treated Lumber  Cut lumber to 2 x 4 x 93" (5,1 x 10,2 x 236,2 cm) Treated Lumber  ea. 3" (7,6 cm) hot-dipped galvanized nails	Optional 12" (30,5 cm) spacing Standard 24" (61 cm) spacing				
COMPLETING YOUR SHED						
	You will need these add	ditional materials:				
3-TAB SHINGLES						
OPTIONAL MATERIALS						
DRIP	EDGE 40 Feet	#15 ROOFING FELT To cover 100 Sq. Ft. of roof area.  1" GALVANIZED ROOFING NAILS1/4 Lb For roofing felt.				

REFER TO THE BACK OF THIS MANUAL AND THE MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION OF SHINGLES, DRIP EDGE AND FELT.

# PARTS IDENTIFICATION AND SIZES

Part identification is stamped on some parts.			WOOD SIZE CONVERSION CHART Nominal Board Size Actual Size
			2" x 4"1-1/2" x 3-1/2" (3,8 x 8,9 cm)
			1" x 4"3/4" x 3-1/2" (1,9 x 8,9 cm)
	RS	RS	2" x 3"1-1/2" x 2-1/2" (3,8 x 6,3 cm)
• C	heck these	e locations for Part stamps	1" x 3"3/4" x 2-1/2" (1,9 x 6,3 cm)
	-	PARTS LIST VENTORY YOUR PARTS before you begin. We suggest sorting parts by the categor	ry they are listed in.
C	x2	TREATED 2 x 4 x 24" (5,1 x 10,2 x 61 cm)	Treated lumber is stamped: TREATED
FLOOR	x2	TREATED	2 x 4 x 92-1/2" (5,1 x 10,2 x 235 cm)
F	x6	TREATED	2 x 4 x 93" (5,1 x 10,2 x 236,2 cm)
	x1	<b>UU</b> 2 x 4 x 9" (5,1 x 10,2 x 22,9 cm)	
WALLS	x4	<b>CBA</b> 2 x 4 x 14-13/16" (5,1 x 10,2 x 37,6 cm)	x1 GAA 1 x 3 x 5" (2,5 x 7,6 x 12,7 cm) Gauge Block for 3/4" (1,9 cm)
	x2	<b>CCA</b> 2 x 4 x 17" (5,1 x 10,2 x 43,2 cm)	measurement 3/4" (1,9 cm)
	x1	<b>CHA</b> 2 x 4 x 29" (5,1 x 10,2 x 73,6 cm)	(1,5 Gill)
	x2	<b>CFA</b> 2 x 4 x 42-3/4" (5,1 x 10,2 x 108,6 cm	n) ( ( ( )
	x1	STL 2 x 4 x 44-1/2" (5,1 x 10,2 x 113 cm	
	x2	<b>CDA</b> 2 x 4 x 66-3/4" (5	,1 x 10,2 x 169,6 cm)
	x18	3 <b>UM</b> 2 x 4 x 68" (5,1	x 10,2 x 172,7 cm)
	x1	<b>CGA</b> 2 x 4 x	x 80-1/2" (5,1 x 10,2 x 204,5 cm)
	x4	TP	2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)
	x2	<b>CIA</b> 2 x 6-1/2 x 21-1/4" (5,1 x 16,5 x 54 cm)	
	x2	CJA	2 x 6-1/2 x 96" (5,1 x 16,5 x 243,8 cm)
)F	x8	6 x 24" (15,2 x 61 cm) GUSSET	
ROOF	8x	<b>YA</b> 2 x 4 x 55-3/16" (5,1 x 10,	2 x 140,2 cm)
LE .	x2	<b>JF</b> 1 x 4 x 60" (2,5 x 10,2	2 x 152,4 cm)
	x4	<b>□KV</b> 19/32 x 2-1/2 x 8" (1,5 x 6,4 x 20,3 cm)	
	x2	<b>CT</b> 1 x 3 x 22" (2,5 x 7,6 x 55,9 cm)	
	x6	<b>FF</b> 19/32 x 2-1/2 x 22-1/4" (1,5 x 6,4 x 56,5 cm)	
TRIM	x2	<b>FA</b> 19/32 x 2-1/2 x 22-5/8" (1,5 x 6,4 x 57,5 cm)	
7.	x4	<b>WV</b> 2 x 4 x 56-7/16" (5,1 x 10	.2 x 143,4 cm)
	8x	3/8 x 1-3/4 x	72" (1 x 4,4 x 182,9 cm) CORNER TRIM
	x1		5/8 x 3 x 96" (1,6 x 7,6 x 243,8 cm)
	x2	[BE	1 x 3 x 96" (2,5 x 7,6 x 243,8 cm)
~			

2 x 3 x 69" (5,1 x 7,6 x 175,3 cm)

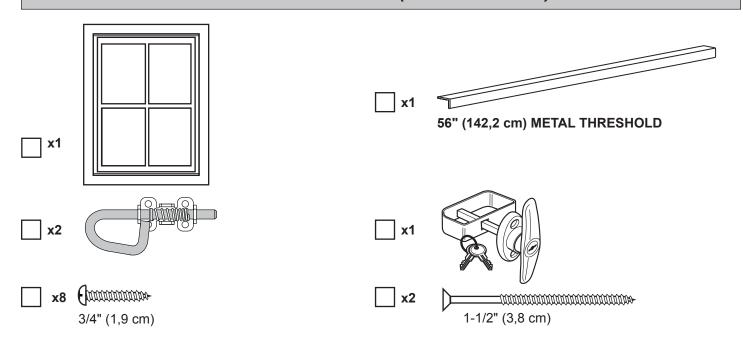
# WALL PANEL & DOOR PARTS LIST NOTE: Panel parts are not stamped with part identification. 3/8 x 23-7/8 x 72" (1 x 60,6 x 182,9 cm) x2 x2 | x1 x1 x1 x1 x1 | x2 x4 3/8 x 48 x 72" 3/8 x 12-1/2 x 72" 3/8 x 46-1/8 x 72" 3/8 x 48 x 72" **LEFT DOOR RIGHT DOOR** (1 x 121,9 x 182,9 cm) (1 x 26 x 182,9 cm) $(1 \times 117,2 \times 182,9 \text{ cm})$ $(1 \times 121,9 \times 182,9 \text{ cm})$ **ROOF PANELS** Roof panels are 7/16" (1,1 cm) thick. 7/16 x 8-1/2 x 96" 7/16 x 8-1/2 x 23-7/8" **x2 x2** (1,1 x 21,6 x 243,8 cm) (1,1 x 21,6 x 60,6 cm) 7/16 x 48 x 96" 7/16 x 23-7/8 x 48" **x2 x2** (1,1 x 121,9 x 243,8 cm) (1,1 x 60,6 x 121,9 cm) **NOTES**

# FLOOR PANELS (Not Included)

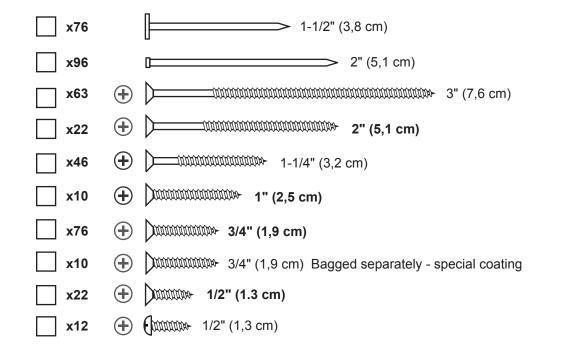
You will need floor panels to complete your floor. • Floor panel sizes and quantities shown below.

NOTE: Use a minimum of 5/8" (1,6 cm) oriented strand board (OSB).				
x1	20-1/2 x 96" (60,6 x 243,8 cm)			
x2	48 x 96" (121,9 x 243,8 cm)			
	NAIL BOXES			
x2 BOXES x4 BOXES	3" (7,6 cm)  2" (5,1 cm)			
NOTES				

# **DOOR HARDWARE (Not actual size)**

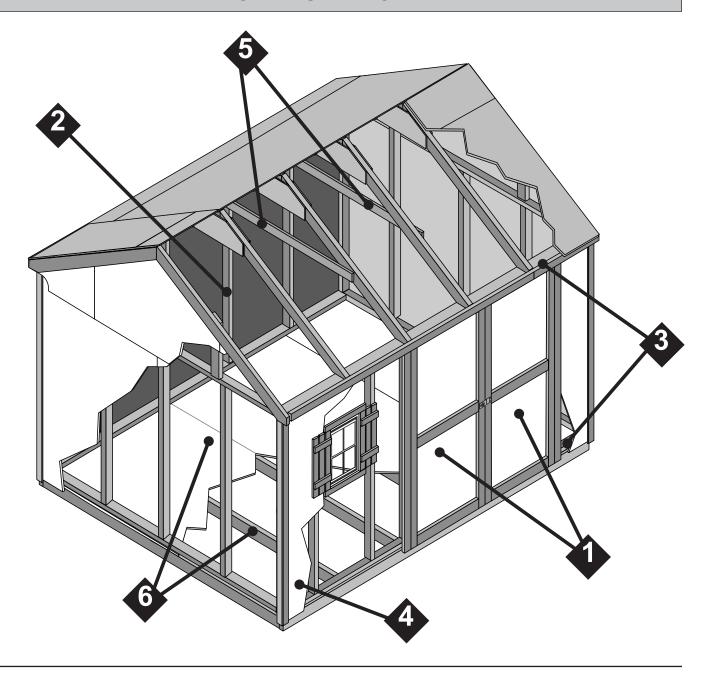


# FASTENER/HARDWARE BAG



# NOTES

# **BUILDING ANATOMY**



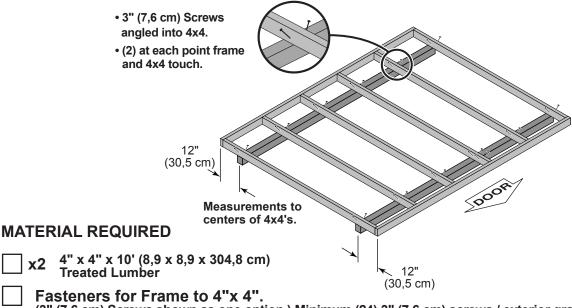
All of our buildings have been engineered to withstand demanding wind and snow loads. If you live in an area with extreme wind/snow load requirement, contact us and we can assist with engineering to meet your local codes.

- Sub-assembled doors with attached hinges.
- 2x3 wall studs have been engineered to support roof load and to meet demanding wind loads.
- 3 Sidewall top and bottom plates tie wall studs together and provide nailing support for top and bottom edge of siding.
- 4 Siding overhangs the wall framing and floor to keep the elements out.
- **5** Collar tie maintains door frame integrity.
- 6 Includes treated floor frame and sturdy Oriented Strand Board (OSB) floor deck.

# **FLOOR LEVELING OPTIONS**

There are multiple ways to level your floor frame. Our recommended leveling method is shown below. Leveling materials are not included in this kit.

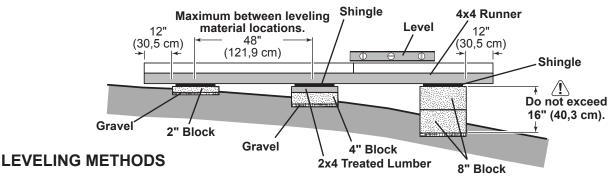
#### PREFERRED METHOD - 4x4 TREATED RUNNERS



(3" (7,6 cm) Screws shown as one option.) Minimum (24) 3" (7,6 cm) screws / exterior grade.

Use only wood treated for ground contact and fasteners approved for use with treated wood.

Always support frame seams.



- Level under 4x4 runners only.
- Locate leveling material 12" (30,5 cm) from ends of runners and no more than 48" (121,9 cm) apart.
- Asphalt shingles should be used between 4x4 runners and blocks or treated lumber. Never use shingles in direct contact with ground.
- For best results and aiding in water drainage use gravel under each concrete block.

#### LEVELING MATERIALS

Gravel Solid Masonry Blocks in 1", 2", 4" or 8" thickness 2x4 Treated Lumber **Asphalt Shingles** 

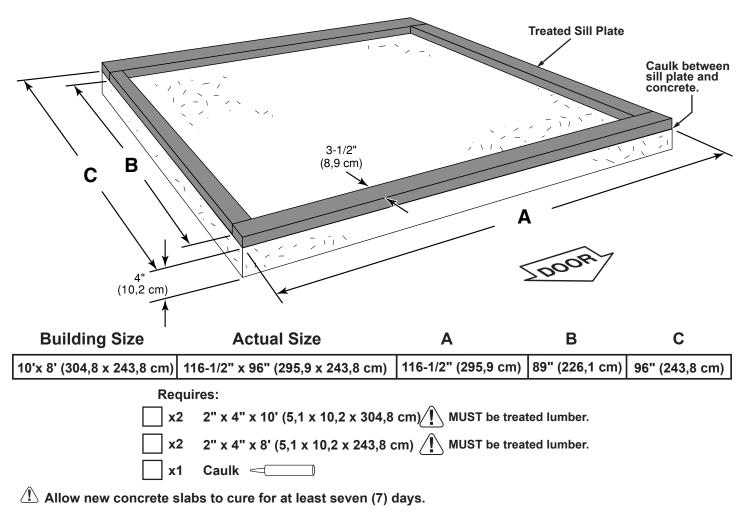
Leveling higher than 16" (40,3 cm) not recommended.

#### CONCRETE

• If you are building your shed on a concrete foundation see the following page.

# **CONCRETE FOUNDATION**

Your kit contains all materials to construct a wooden floor. If you choose to install your kit on a concrete slab refer to the diagram below.



- A treated 2 x 4" (5,1 x 10,2 cm) sill plate is required when installing your shed on concrete. Hint: Use treated lumber in your kit or purchase full length treated lumber.
- Use a high quality exterior grade caulk beneath all sill plates.
- Fasten 2 x 4" (5,1 x 10,2 cm) sill plates to slab using approved concrete anchors (fasteners not included).
- Check local code for concrete foundation requirements.

NOTES

# **FLOOR FRAME**



# LEVEL AND SQUARE FLOOR FRAME /!





Before attaching floor decking, it is important to level and square the floor frame. A level and square floor frame is required to correctly construct your shed.



# BEGIN

- /!\ See page 9 for the preferred floor leveling method.
- Use level and check the frame is level before applying floor panels.
- Check for frame squareness by measuring diagonally across corners. If the measurements are the same, the frame is square. The diagonal measurement will be approximately 151" (383,5 cm).
- When the frame is level and square secure one side of frame to the 4x4 runners using one fastener at ends of each runner. Move to the opposite end of the frame. Secure the frame to 4x4 runners with one fastener at ends of each runner making sure the frame remains square (Fig A).

Once the floor frame is level and square fasten the frame to at each point the frame contacts the 4x4 runners.

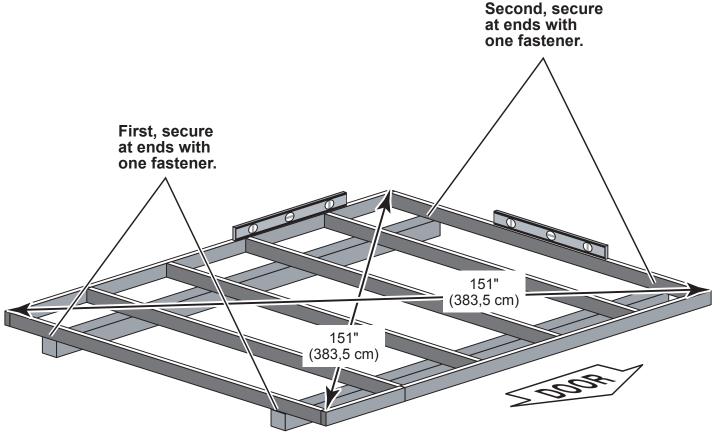


Fig. A

# **FLOOR FRAME**

x 28

# **PARTS REQUIRED:**

**x2** TREATED 2 x 4 x 24" (5,1 x 10,2 x 61 cm)

**X6** TREATED 2 x 4 x 93" (5,1 x 10,2 x 236,2 cm)

 NOTE: Look for

TREATED Stamp

3" (7,6 cm)





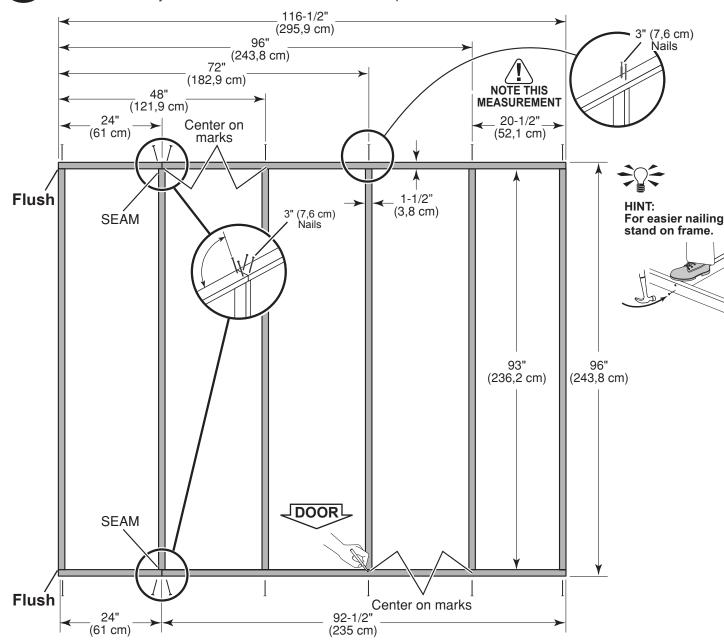
# **√**BEGIN

FINISH

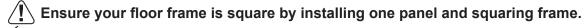
- Orient parts as shown on flat surface. Measure and mark each dimension from end of boards.
- Use two 3" (7,6 cm) nails at each mark, and four 3" (7,6 cm) nails at seams as shown.

3 You have finished your floor frame. Proceed to level and square frame.



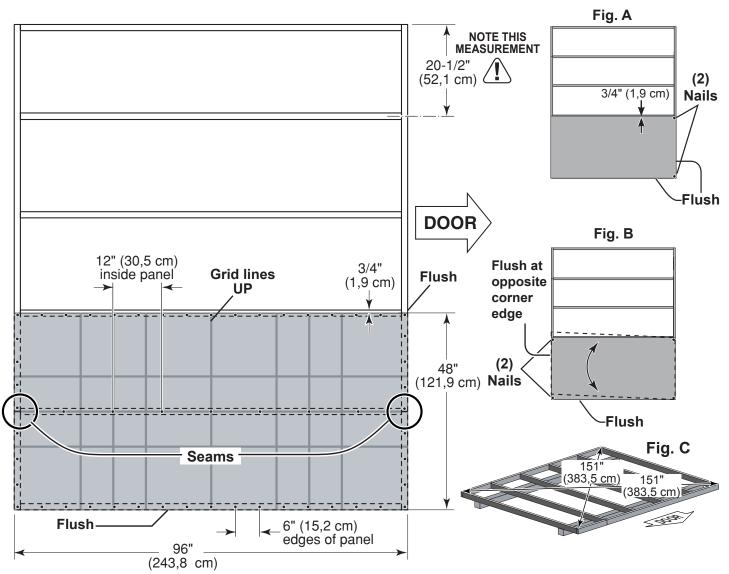


# FLOOR PARTS REQUIRED: x1 5/8 x 48 x 96" (1,6 x 121,9 x 243,8 cm)



BEGIN

- 1 Attach the 48 x 96" (121,9 x 243,8 cm) panel with the rough side up (painted-grid lines side) with the 48" (121,9 cm) edge and corner flush to the floor frame (Fig A). Secure panel with two 2" (5,1 cm) nails in the corners.
- Move to the opposite side. Using the long edge of the panel as a lever, move the panel side-to-side until corner is flush to the floor frame (Fig. B). Secure panel with two 2" (5,1 cm) nails in the corners.
- Check the floor frame is square by measuring diagonally across the frame corners. If the measurements are the same your floor frame is square. The measurement will be approximately 151" (383 ,5 cm) (Fig. C).
- Continue attaching the panel using 2" (5,1 cm) nails 6" (15,2 cm) apart on edges, and 12" (30,5 cm) apart inside panel.

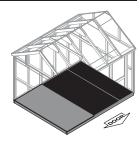


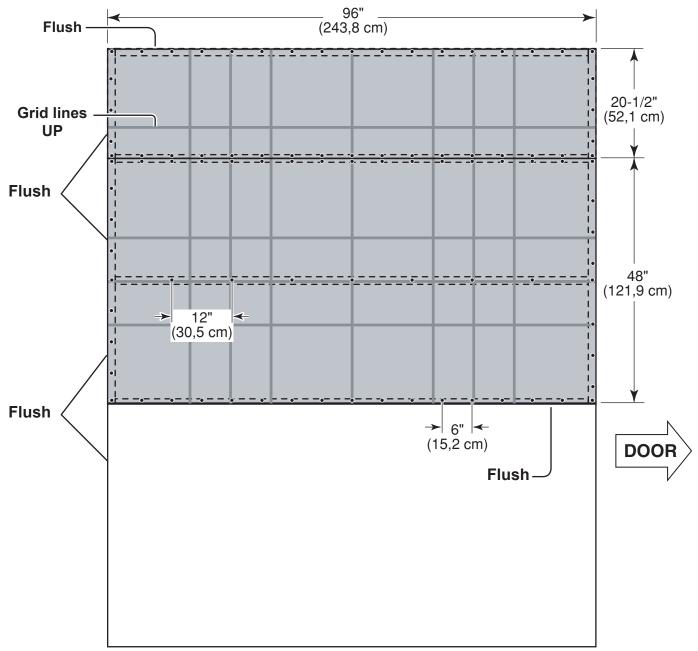
# FLOOR PANELS PARTS REQUIRED: x1 5/8 x 48 x 96" (1,6 x 121,9 x 243,8 cm) x2" (5,1 cm) 2" (5,1 cm)

- 5 Continue installing panels with rough side up (painted grid lines).
- Use a chalk line or grid lines on panel for 2" (5,1 cm) nails 6" (15,2 cm) apart on edges, and 12" (30,5 cm) apart inside panels.

YFINISH

7 You have finished attaching your floor panels.

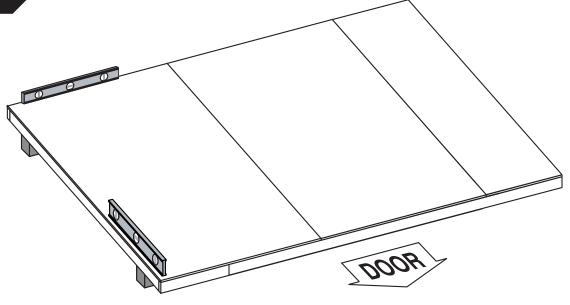




# **IMPORTANT!**

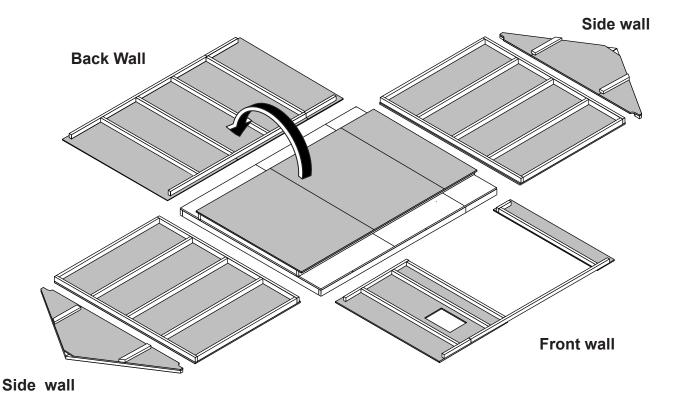


Check the floor frame is level after installing floor panels. Re-level if needed.





- The floor should be used as a level work surface for wall construction.
- Organize your wall sections during sub-assembly to avoid over-handling of the walls.

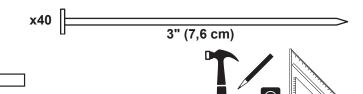


# SIDE WALL FRAMES

# **PARTS REQUIRED:**

x10 UM 2 x 4 x 68" (5,1 x 10,2 x 172,7 cm)

x4 TP 2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)





You will assemble two side walls the same.

Orient parts on floor as shown.

Secure using two 3" (7,6 cm) nails at connection.

FINISH

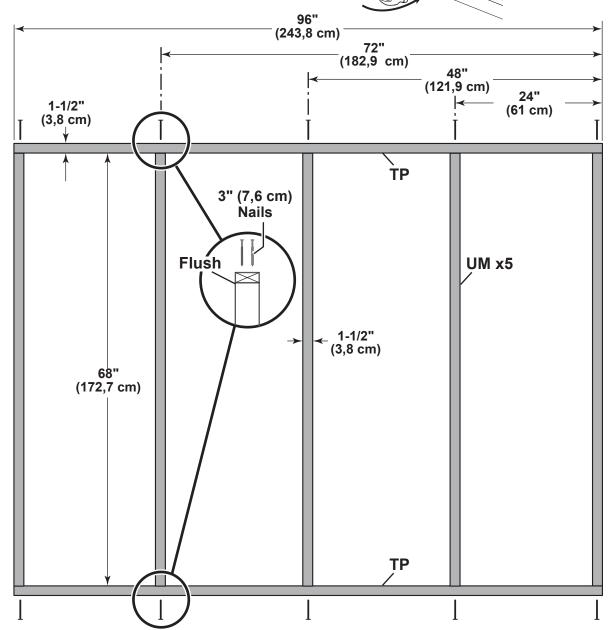
Repeat steps 1-2 to build second side wall frame.





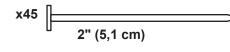


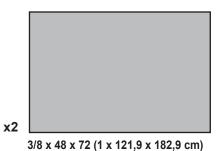




# SIDE WALL PANELS

# **PARTS REQUIRED:**



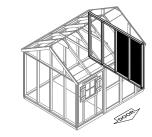




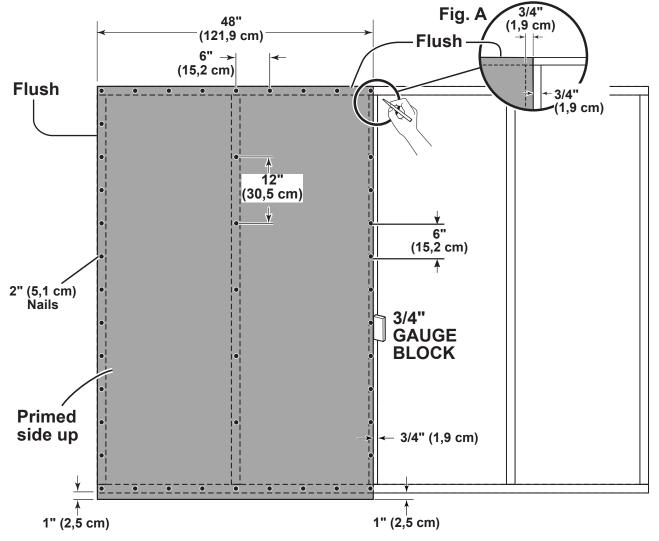


Ensure your wall frame is square by installing one panel and squaring frame.

- **▼**BEGIN Place panel onto side frame with primed side up as shown.
- Locate the panel flush with the top plate. Use the gauge block to mark the 3/4" (1,9 cm) measurement on the wall stud.
- Nail the panel 6" (15,2 cm) apart on edges and 12" (30,5 cm) apart inside panel using 2" (1,9 cm) nails.

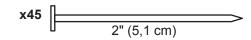


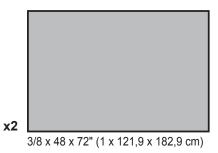
For squareness maintain flush along panel edge.



# SIDE WALL PANELS

# **PARTS REQUIRED:**



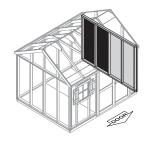


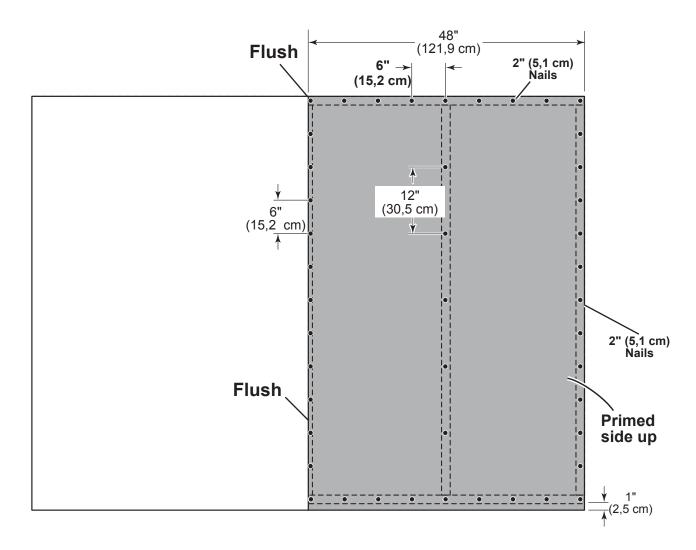


4 Place panel flush to attached panel with primed side up.



5 Repeat steps 1-4 to build second side wall.





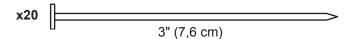
# **BACK WALL FRAME**

# **PARTS REQUIRED:**

**CFA**2 x 4 x 42-3/4" (5,1 x 10,2 x 108,6 cm)

**CDA**2 x 4 x 66-3/4" (5,1 x 10,2 x 169,6 cm)

**VM**2 x 4 x 68" (5,1 x 10,2 x 172,7 cm)







# NOTE: Dimensions are to center of studs.

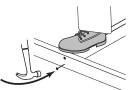
# BEGIN

Orient parts on edge on floor as shown. Measure and mark.

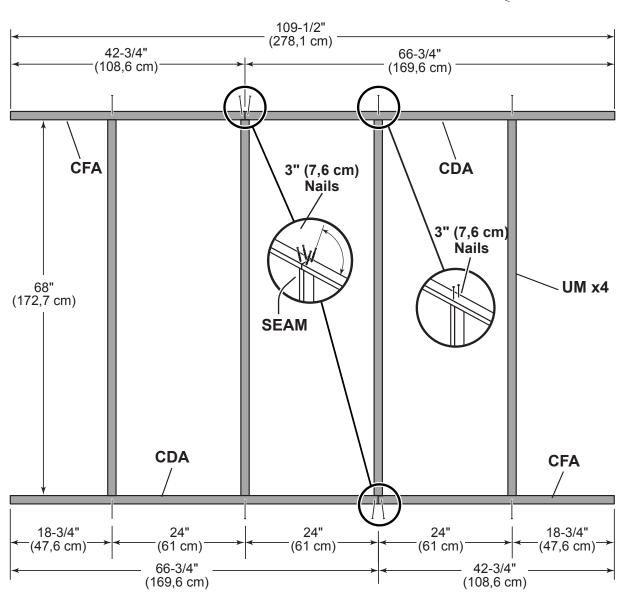
Attach **UM** at marks with two 3" (7,6 cm) nails, and four 3" (7,6 cm) nails angled at seams as shown.



HINT: For easier nailing stand on frame.

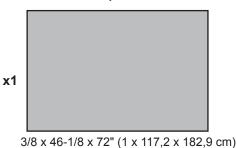


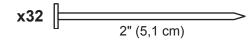




# **BACK WALL**

# **PARTS REQUIRED:**





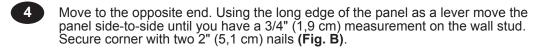


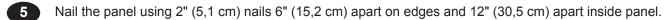


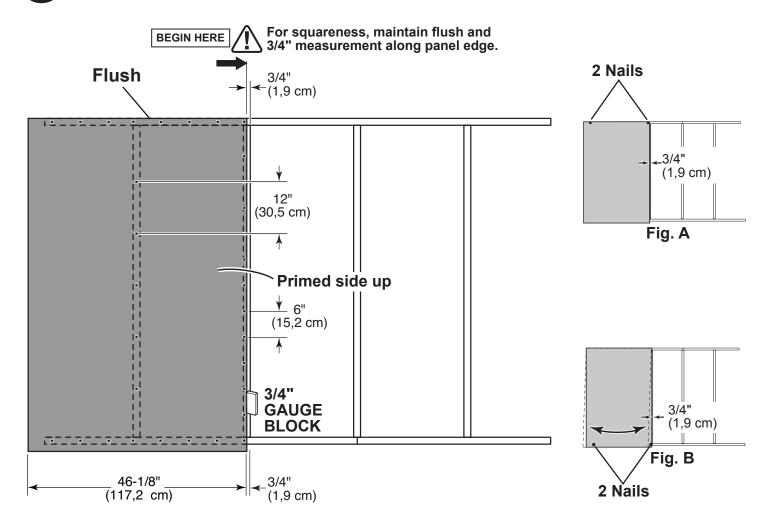


Ensure your wall frame is square by installing one panel and squaring frame.

- Place the 46-1/8 x 72" (117,2 x 182,9 cm) panel onto wall frame with primed side up as shown. Use the gauge block to mark the 3/4" (1,9 cm) measurement on the wall stud.
  - Secure panel with two 2" nails in the corners (Fig. A).

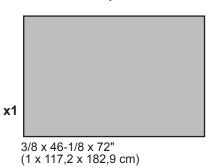


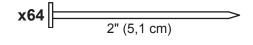




# **BACK WALL**

# **PARTS REQUIRED:**





3/8 x 23-7/8 x 72" (1 x 60,6 x 182,9 cm)



6 Place 23-7/8" (60,6 cm) panel on frame as shown with primed side facing up (Fig. A).

Nail using 2" (5,1 cm) nails 6" (15,2 cm) apart.

For squareness maintain flush along panel edges.

Primed side up

(1,9 cm)

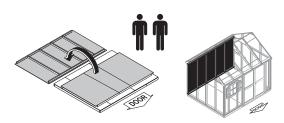
Primed side up

3/4"
GAUGE BLOCK

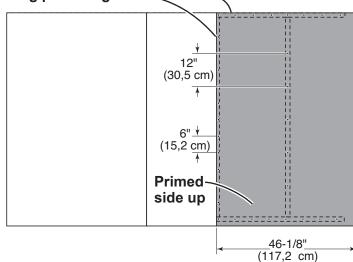
Place 46-1/8" (117,2 cm) panel on frame as shown with primed side facing up.

Nail using 2" (5,1 cm) nails 6" (15,2 cm) apart on edges and 12" (30,5 cm) apart inside panel.

8 Carefully flip your back wall over.



For squareness maintain flush along panel edges.



(60,6 cm)

FINISH

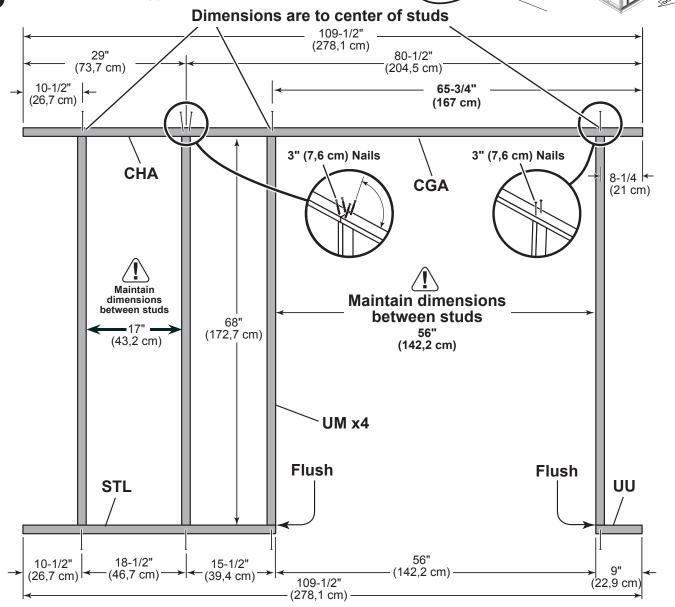
You have finished building your back wall.

# FRONT WALL FRAME **PARTS REQUIRED:** x18 x1 UU 3" (7,6 cm) 2 x 4 x 9" (5,1 x 10,2 x 22,9 cm) CHA 2 x 4 x 29" (5,1 x 10,2 x 73,6 cm) x1 STL 2 x 4 x 44-1/2" (5,1 x 10,2 x 113 cm) 2 x 4 x 68" (5,1 x 10,2 x 172,7 cm) x1 CGA 2 x 4 x 80-1/2" (5,1 x 10,2 x 204,5 cm) BEGIN Orient parts on edge on floor as shown. Measure and mark. Attach UM at marks with two 3" (7,6 cm) nails, and four 3" (7,6 cm) nails angled at seam as shown.

For easier nailing

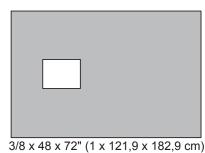
stand on frame.

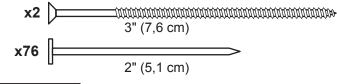
You have finished building your front wall frame.



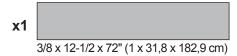
# **FRONT WALL**

# PARTS REQUIRED:





**x1** [OO 2 x 3 x 69" (5,1 x 7,6 x 175,3 cm)





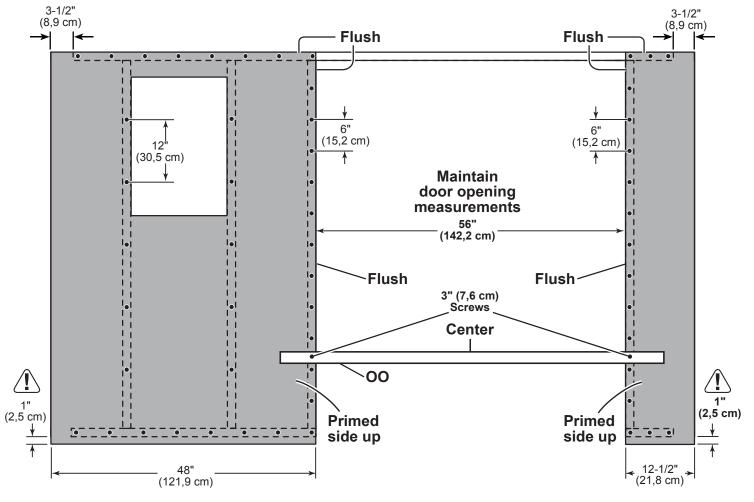
# **√**BEGIN

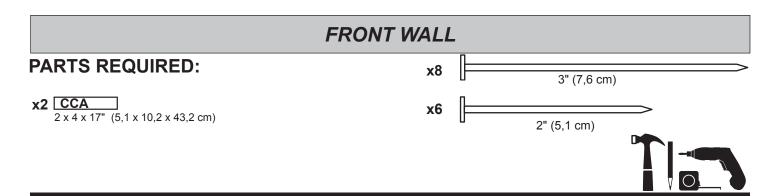
**x1** 

- Place the 3/8 x 48 x 72" (1 x 121,9 x 182,9 cm) and 3/8 x 12-1/2 x 72" (1 x 31,8 x 182,9 cm) panels onto wall frame as shown with primed sides up.
- 2 Locate the panels flush on the top plate and studs.
- Secure panels to frame with 2" (5,1 cm) nails 6" (15,2 cm) apart on edges and 12" (30,5 cm) apart inside panel.
- Use **OO** as temporary brace to maintain 56" (142,2 dimension using two 3" (7,6 cm) screws.



Flip front wall over to install window framing.



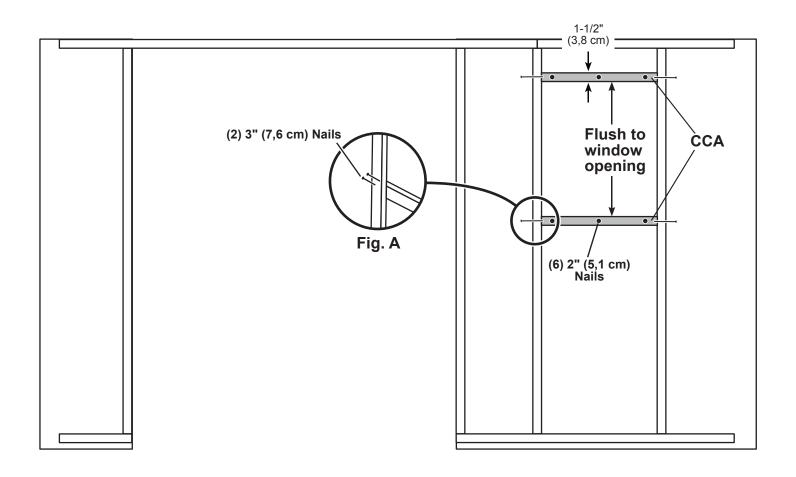


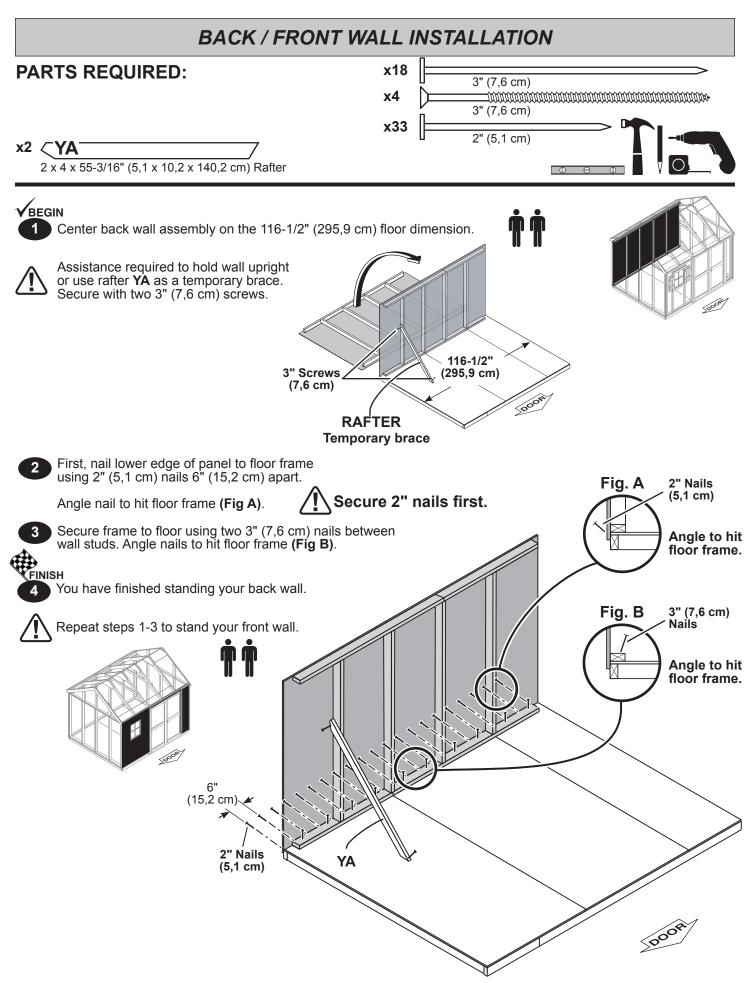
# BEGIN

- Place CCA on edge flush to window opening
- 2 Secure to frame using eight 3" (7,6 cm) nails (Fig A).
- Flip front wall over and secure panel to window framing using 2" (5,1 cm) nails 6" (15,2 cm) apart.



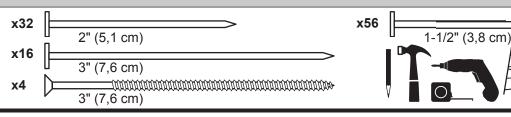
4 Proceed to standing your walls.





# SIDE WALL INSTALLATION

# PARTS REQUIRED:





# It is important to secure the side wall in the following order.

#### BEGIN

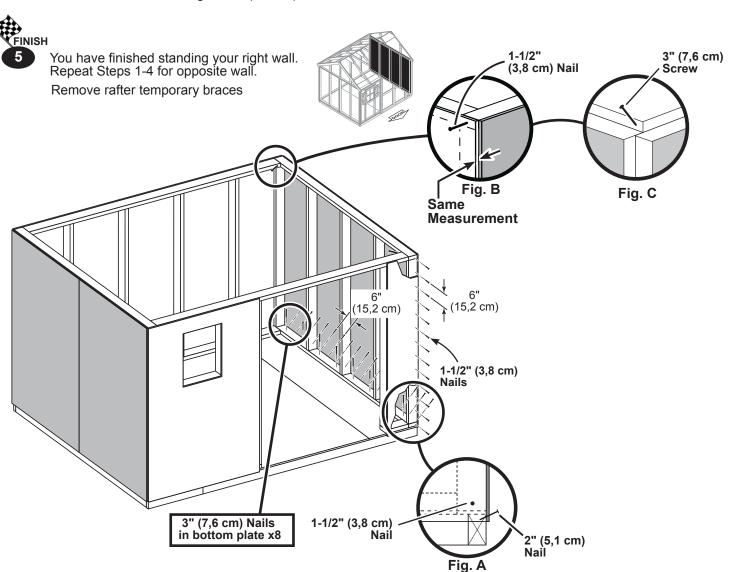
Stand left side wall assembly on floor.



- Center left side wall on floor, side-to-side.

  Secure the lower side wall corner to the back wall stud with one 1-1/2" (3,8 cm) nail (Fig A).
- Ensure the measurement between the panel edges are the same along the entire length. Then secure with one 1-1/2" (3,8 cm) nail in the upper corner (Fig B).
- Nail along the panel edge through the panel into the frame using 2" (5,1 cm) nails spaced 6" apart.

  Nail along bottom of panel using 2" (5,1 cm) nails 6" (15,2 cm) apart. Angle nail to hit floor frame (Fig A).
- Secure the side wall top plate into the back and front wall frames using two 3" (7,6 cm) screws as shown (Fig C). Secure frame to floor using two 3" (7,6 cm) nails between wall studs.



# WALL DOUBLERS

# **PARTS REQUIRED:**

K 19 KEQUIKED:

x28

3" (7,6 cm)

x2 CIA

2 x 6-1/2 x 21-1/4" (5,1 x 16,5 x 54 cm)

x2 CJA

2 x 6-1/2 x 96" (5,1 x 16,5 x 243,8 cm)

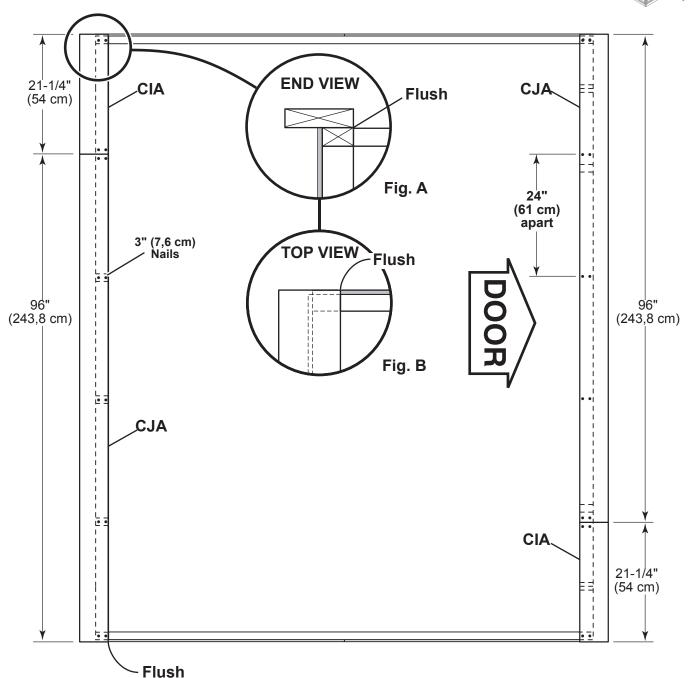
# **V**BEGIN

Place parts flush to inside of front and back top plates (Fig A) and flush to wall panels (Fig B) as shown.

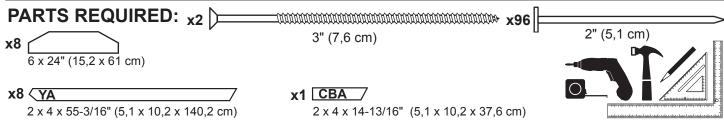
Secure using two 3" (7,6 cm) nails 24" (61 cm) apart and at seams as shown.

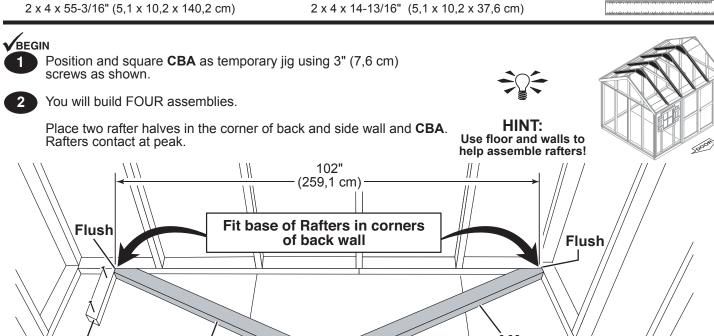
2 You have finished installing your wall doublers.











Contact at peak

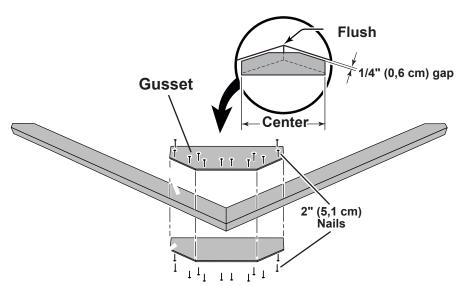
Secure gusset to rafters using (12) 2" (5,1 cm) Nails as shown.

YΑ

Use CBA as

temporary jig

- Flip over rafter assembly and repeat STEPS 2-4 to attach second gusset to other side.
- Repeat STEPS 2-5 to build three additional rafter assemblies. Remove CBA.

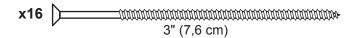




You have finished assembling your rafters.

# RAFTER INSTALLATION

# **PARTS REQUIRED:**





BEGIN

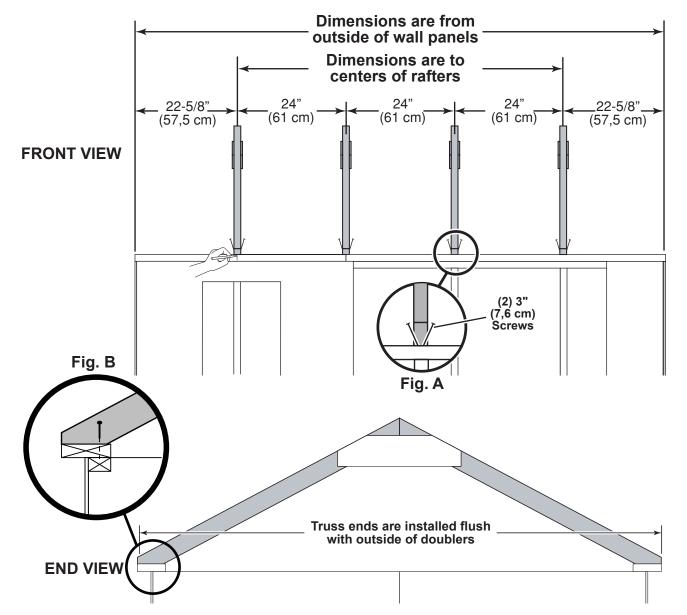
Mark doubler to measurements shown.

Locate rafters centered on marks as shown.

Secure all rafters in position using two 3" (7,6 cm) screws at each connection (Fig A). Drive screw through top plate into 2x3 (Fig B).

3 You have finished installing your rafters.





# GABLES PARTS REQUIRED: x28 x2 x4 x4 CBA / 2 x 4 x 14-13/16" (5,1 x 10,2 x 37,6 cm)



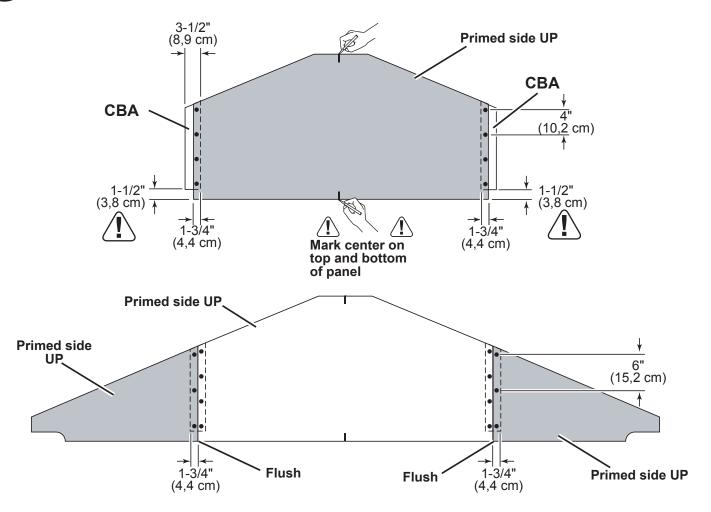
- You will assemble two gables. Orient parts flat on floor, primed side up as shown.

  Secure center gable panel to two **CBA** using 1-1/2" (3,8 cm) nails as shown.
- Align left and right gable panels flush to center gable panel and secure using 1-1/2" (3,8 cm) nails as shown.
- Align top gable panel centered on middle gable panel and secure using 1-1/2" (3,8 cm) nails as shown.

Measure and mark center gable panel as shown Repeat Steps 1 - 3 to build second gable.

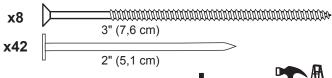


4 You have finished making your gables.



# **GABLE INSTALLATION**

# **PARTS REQUIRED:**





# BEGIN

Center gable assembly on side wall using mark. Gable connectors **CBA** are flush to top of frame.

Panels should be flush as shown (Fig. A, B).

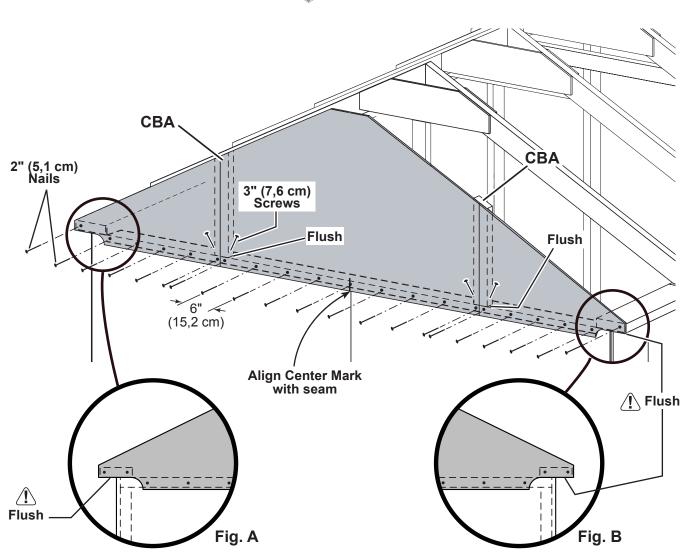
Secure panel to top plate using 2" (5,1 cm) nails 6" (15,2 cm) apart.

2 Secure gable connectors to top plate using 3" (7,6 cm) screws at an angle as shown.

Repeat STEPS 1-2 at opposite side.



You have finished attaching your gable panel assemblies.



# GABLE TRIM INSTALLATION

# **PARTS REQUIRED:**

**x40** 1-1/4" (3,2 cm) \_



**x4 WV** 2 x 4 x 56-7/16" (5,1 x 10,2 x 143,4 cm) GABLE TRIM

# BEGIN

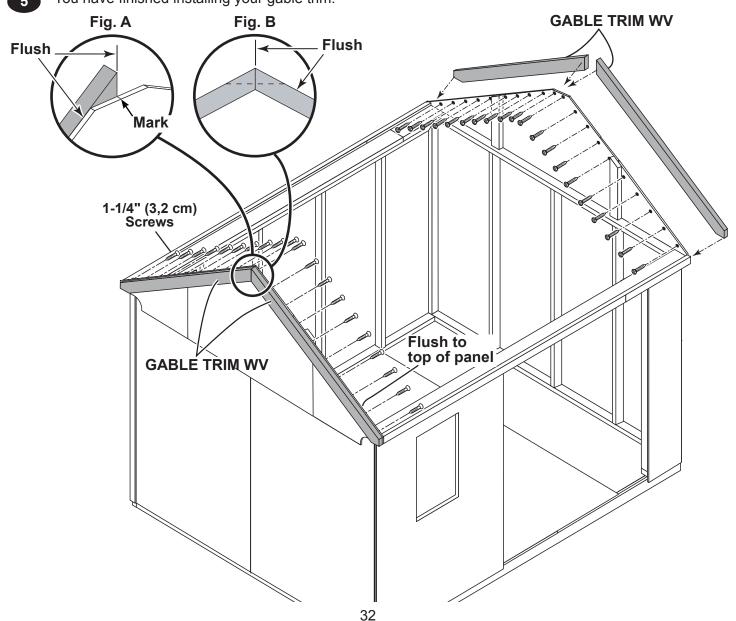
- Install right-front gable trim **WV** flush to top of panel with end flush to center mark **(Fig. A)** as shown.
- end flush to center mark (Fig. A) as shown.

  2 Secure to wall using 1-1/4" (3,2 cm) screws 6" (15,2 cm) apart.
- 3 Repeat above steps to install right-rear gable trim (Fig. B) as shown.
- Repeat above steps to secure the left gable trim **WV**.



Screw through panels into gable trim.





# **FASCIA TRIM**

# **PARTS REQUIRED:**

x28 [\_\_\_\_\_\_

x2 CT

1 x 3 x 22" (2,5 x 7,6 x 55,9 cm)

x2 BE

1 x 3 x 96" (2,5 x 7,6 x 243,8 cm)

2" (5,1 cm)

# **√**BEGIN

Place parts flush to bottom of doubler as shown (Fig, A).

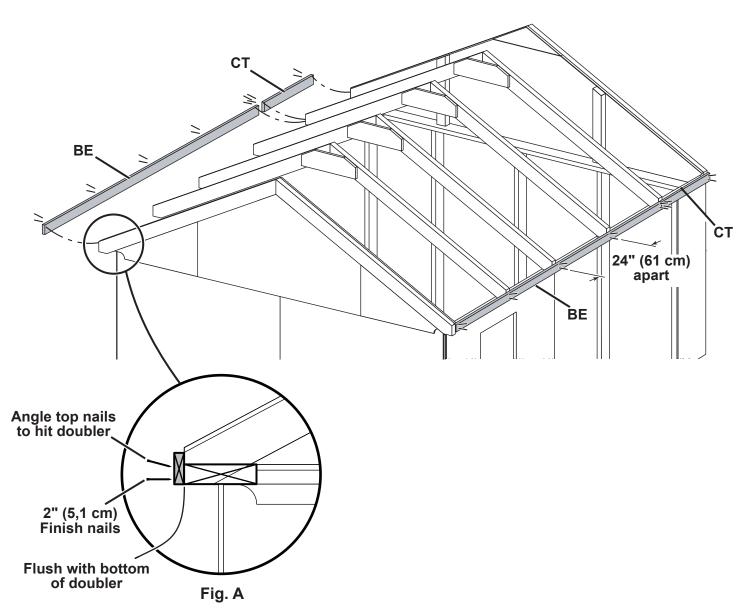
Secure with 2" (5,1 cm) finish nails 24" (61 cm) apart.

2 Repeat process on opposite side.

FINISH

3 You have finished installing your fascia trim.





## **ROOF PANELS** PARTS REQUIRED: **x4** 2" (5,1 cm) 7/16 x 8-1/2 x 96" 7/16 x 8-1/2x 23-7/8" **x2** x 2 (1,1 x 21,6 x 243,8 cm) (1,1 x 21,6 x 60,6 cm) 7/16 x 23-7/8 x 48" **3/4" GAUGE** 7/16 x 48 x 96" **x1** (1,1 x 60,6 x 121,9 cm) **BLOCK** (1,1 x 121,9 x 243,8 cm) Roof panels may cause serious injury until securely fastened. You must square the roof by attaching one panel first. You will use the panel's long edge as a lever to bring your roof into square. Commonly known as "racking". BEGIN **Flush** Attach the 48 x 96" (121,9 x 243,8 cm) panel with the at peak rough side up (painted-grid lines side) with a 3/4" (1,9 cm) measurement on the rafter (Fig A) and the panel flush at Fig. B the peak (Fig B). Secure panel with two 2" (5,1 cm) nails in the corners. Two **Nails** (121,9 cm) Gauge Block Move to the opposite end. Using Flush the long edge of the panel as a Fig. A at peak lever, move the panel side-to-side 3/4" until the top corner is flush to (19 mm) the peak (Fig C) and there is 9/16" (1,4 cm) measurement to the gable trim (Fig. D). Fig. C You may need to move your sidewall to get the 9/16" (1,4 cm) Two measurement. Secure panel with **Nails** two 2" (5,1 cm) nails in the corners. 9/16" (1,4 cm) 1-1/2" (3,8 cm) Gable

**Trim** 

Fig. D >

34

### **ROOF PANELS**

### PARTS REQUIRED:

**x130** 2" (5,1 cm)





3

Keep spacing between the center of the rafters at the lower edge of the panel and secure with one 2" (5,1 cm) nail into each rafter (Fig. E).

Move to the top of the panel and keep spacing between the center of the rafters. Secure with one 2" (5,1 cm) nail into each rafter (Fig. E).

Nail the roofpanel using 2" (5,1 cm) nails 6" (15 cm) apart on edges and 12" (30,5 cm) apart inside panel.

Attach 8-1/2 x 23-7/8" (21,6 x 60,6 cm) roofpanel flush to first panel, flush at peak and with the 9/16" (1,4 cm) measurement (Fig. F, G).

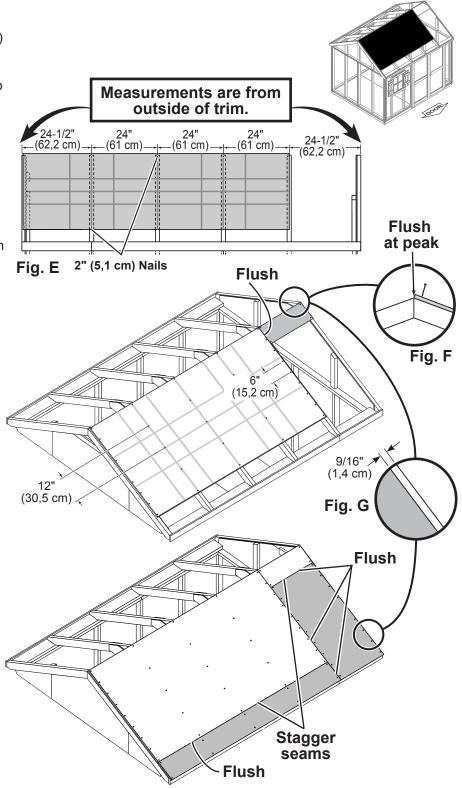


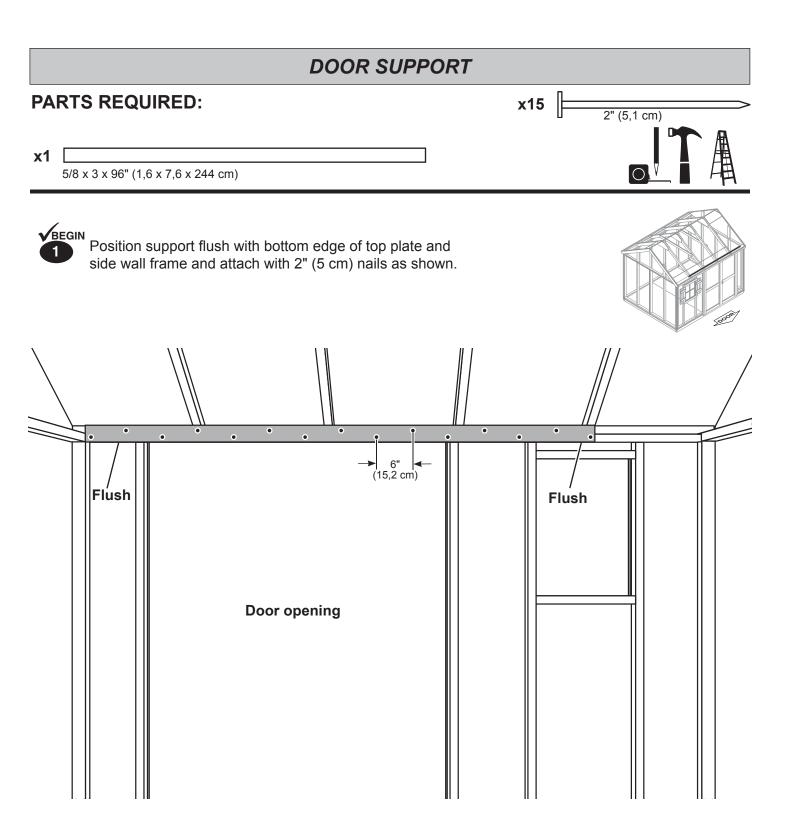
Attach lower roofpanels flush to the upper panels and with a 9/16" (1,4 cm) measurement at the gable trim (Fig. G).

Nail the roofpanel using two 2" (5,1 cm) nails 6" (15,2 cm) on edges and 12" (30,5 cm) apart inside panels.

Repeat process to attach panels on the opposite side.



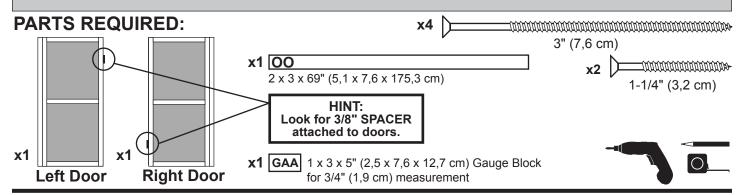




FINISH 2

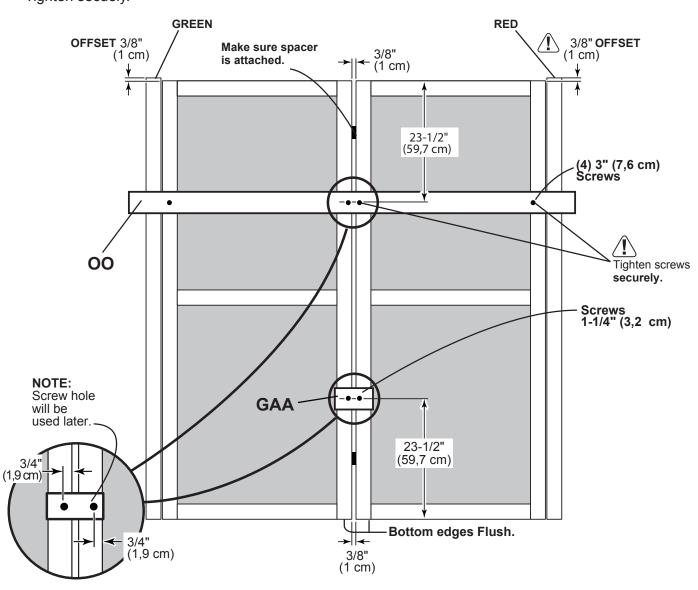
You have finished your door frame support.

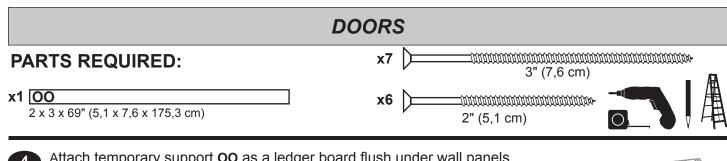
### **DOORS**

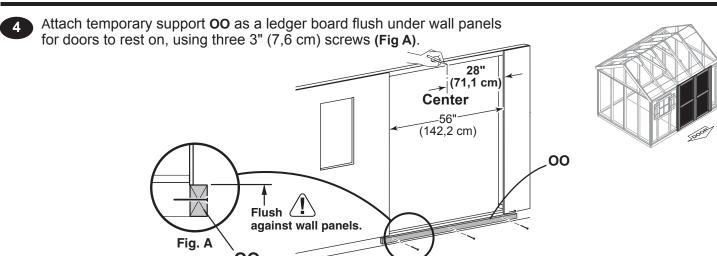


**√**BEGIN

- Orient parts as shown on flat surface. 1 3/8" (1 cm) offset is to top. Look for red (right) and green (left) on hinge board.
- Attach temporary supports **OO** with 3" (7,6 cm) screws in middle and at ends. Tighten secuely.
- Attach temporary supports **GAA** with two 1-1/4" (3,2 cm) screws as shown. Tighten secuely.



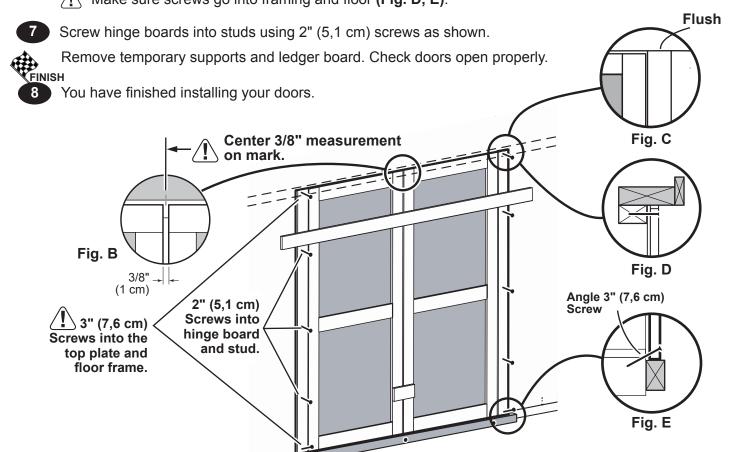




- Measure and mark center of door opening. Center doors on mark as shown (Fig B).

  Check hinge boards are flush under overhang (Fig C).
- Screw hinge boards into top plate and floor using 3" (7,6 cm) screws as shown.

  Nake sure screws go into framing and floor (Fig. D, E).



### DOOR TRIM & THRESHOLD

# PARTS REQUIRED: x1 56" (142,2 cm) METAL THRESHOLD

x10 (142,2 cm) METAL THRESHOLD

3/4" (1,9 cm) Bagged separately/ special coating



BEGIN Reinforce the door trim using 3/4" (1,9 cm) screws through door panel into trim (Fig, A). Locate screws as shown in Fig. B. Use two screws at seams. Center metal threshold between doors and secure using ten 3/4" (1,9 cm) special coating screws into floor as shown (Fig, C). You have finished installing your door trim and threshold. Door Panel Hinge Board 3/4" (1,9 cm) Screws Door Fig. A Trim **CENTER Two Screws** (10) Special coating screws Fig. B

Fig. C

### DOOR WEATHERSTRIP

### **PARTS REQUIRED:**

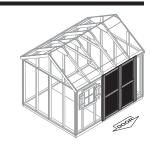
x1 00

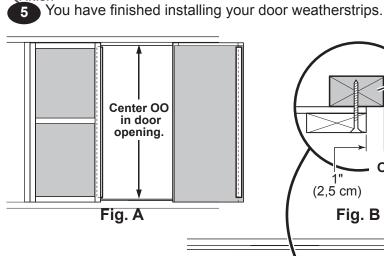
2 x 3 x 69" (5,1 x 7,6 x 175,3 cm)

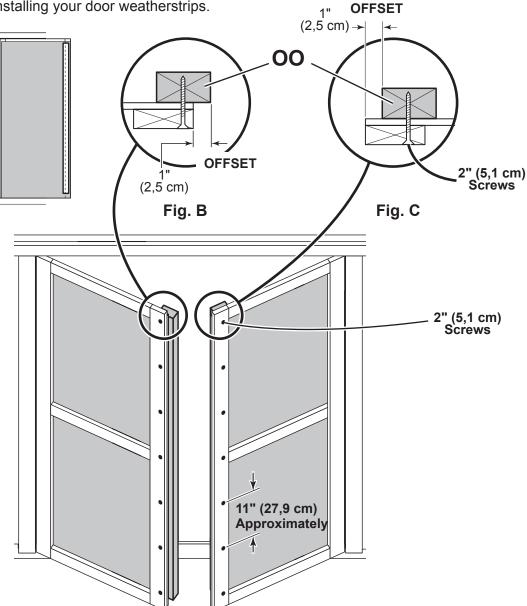
### x14 2" 5,1 cm)

### BEGIN

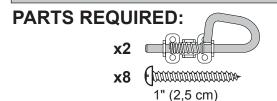
- With left door closed, center a weatherstrip **oo** vertically on the left door in the door opening (Fig A). OO will offset the left door 1" (2,5 cm) OUT past the door trim (Fig B).
- 2 Secure **OO** using seven 2" (5,1 cm) screws through outside trim into **OO** (Fig B)
- On right door center OO vertically in door opening (Fig A). OO will offset the right door 1" (2,5 cm) IN from the door trim (Fig C).
- Secure **OO** using seven 2" (5,1 cm) screws through outside trim into **OO** (Fig C).







### **DOOR HARDWARE**





BEGIN

Place bolts onto **OO** in open position with bolt ends 3/8" (1 cm) down from frame. Bolt is open when loop is contacting base **(Fig A)**.

Mark and pre-drill holes for screws.

- Install bolt with screws supplied and drill 5/16" (0,8 cm) hole deep enough for bolt to slide into.
- Place bolts onto **OO** in open position with bolt ends 1/2" (1,3 cm) up from floor. Bolt is open when loop is contacting base (**Fig B**).

Mark and pre-drill holes for screws.

Install bolt with screws supplied and drill 5/16" (0,8 cm) hole deep enough for bolt to slide into.



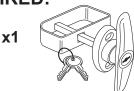


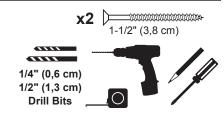
HINT: With door closed extend bolt and tap with hammer to leave a mark in wood for drilling.

FINISH Fig. A You have finished installing your barrel bolts. **LOCATE AND PRE-DRILL HOLES** TO AVOID SPLITTING WOOD 5/16" (0,8 cm) drill for bolt. 1" (2,5 cm) deep. **OVER DOOR FRAME** 3/8" (1 cm) with bolt 00 in open 2 x 3 x 69" position. *€ 10000000000000 ×4* PRE-DRILL (4) HOLES **OPEN POSITION** spring is loose. oop contacts base. LEFT **DOOR** 00 2 x 3 x 69" Loop contacts base. *Funnamum* **×4 OPEN POSITION** spring is loose. PRE-DRILL 1/2" (1,3 cm) (4) HOLES 5/16" (0,8 cm) drill for bolt. 1" (2,5 cm) deep. **FLOOR** 

### DOOR HARDWARE



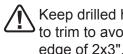




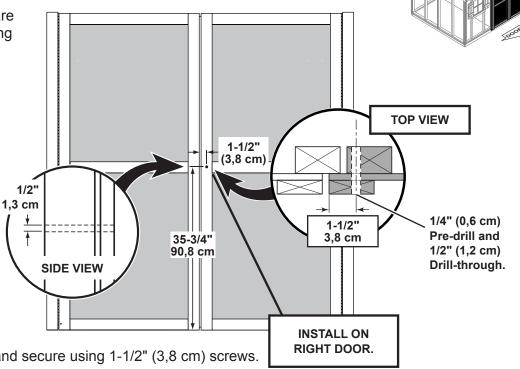
**V**BEGIN

Measure and mark location of hole on outside of right door as shown (Fig.A). Pre-drill pilot hole with 1/4" dril.

Pre-drill through hole with 1/2" drill.



Keep drilled hole square to trim to avoid breaking edge of 2x3".

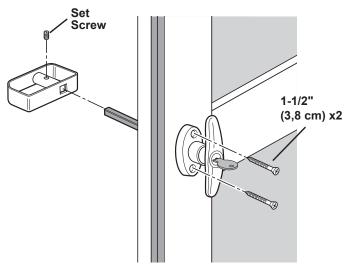


Insert handle in hole and secure using 1-1/2" (3,8 cm) screws.

Attach inside handle and secure with set screw as shown.

FINISH

You have finished installing your T-handle.

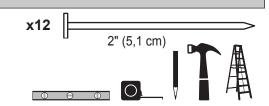


### **COLLAR TIES**

### **PARTS REQUIRED:**

x2 JF

1 x 4 x 60" (2,5 x 10,2 x 152,4 cm)



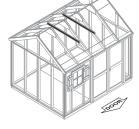
**√**BEGIN

Level collar ties (JF) on back of center rafters above door. as shown.

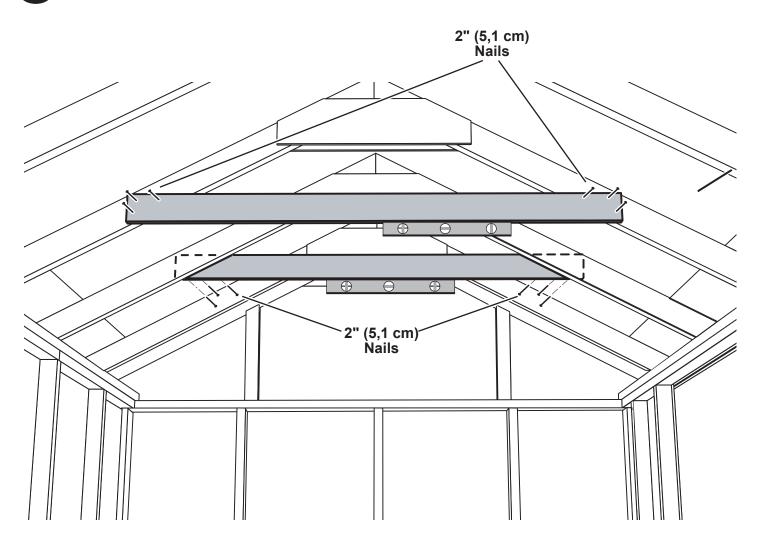


Check collar ties are level and flush to roof panels.

Secure collar ties to rafter with three 2" (5,1 cm) nails at each end.



FINISH You have finished installing your collar ties.



### **CORNER TRIM**

# **PARTS REQUIRED:** x56 2" (5,1 cm) **8**x 3/8 x 1-3/4 x 72" (1 x 4,4 x 182,9 cm) BEGIN Place parts under front and back eave trim and under side gable panel cutouts as shown. Secure with 2" (5,1 cm) finish nails 10" (25,4 cm) apart. Repeat on each corner of shed. FINISH You have finished installing your corner trim. Flush under Flush under eave trim panel cutout 10" (25,4 cm) apart 2" (5,1 cm) Finish nails

Seam is flush.
Caulk seam before painting trim.

### **WINDOW SHUTTERS**

### **PARTS REQUIRED:**

(2,0 6/11)

**x6** FF 19/32 x 2-1/2 x 22-1/2" (1,5 x 6,4 x 63,5 cm) **x4** 19/32 x 2-1/2 x 8" (1,5 x 6,4 x 20 cm)



FINISH

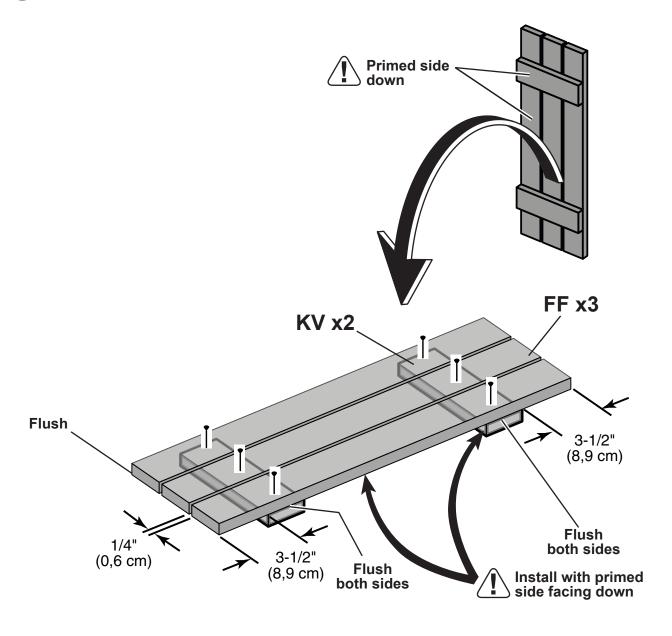
Position parts primed side-down on floor, as shown. You will build two shutters the same.

2 Attach using 1" (2,5 cm) screws as shown.

3 Repeat steps to build your second shutter.



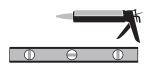
4 You have finished building your window shutters. Proceed to install your window.



### **WINDOW SHUTTERS**

### **PARTS REQUIRED:**





**x4** 

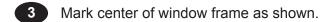


**√**BEGIN

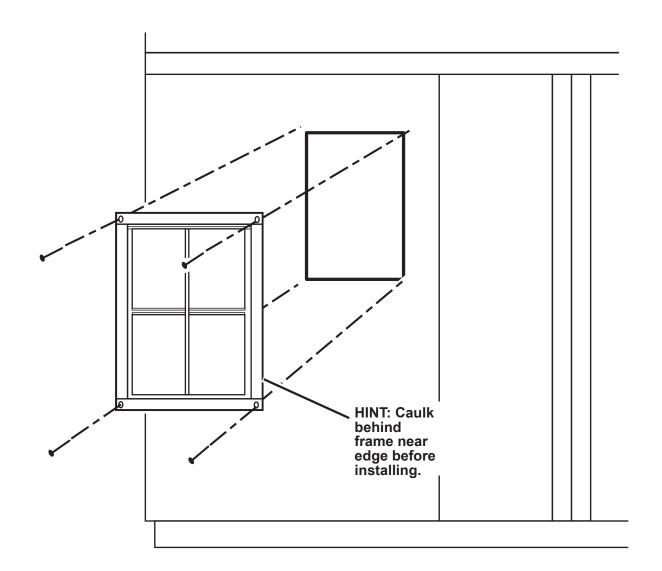
**x1** 

Seal window with high-quality exterior-grade caulk.

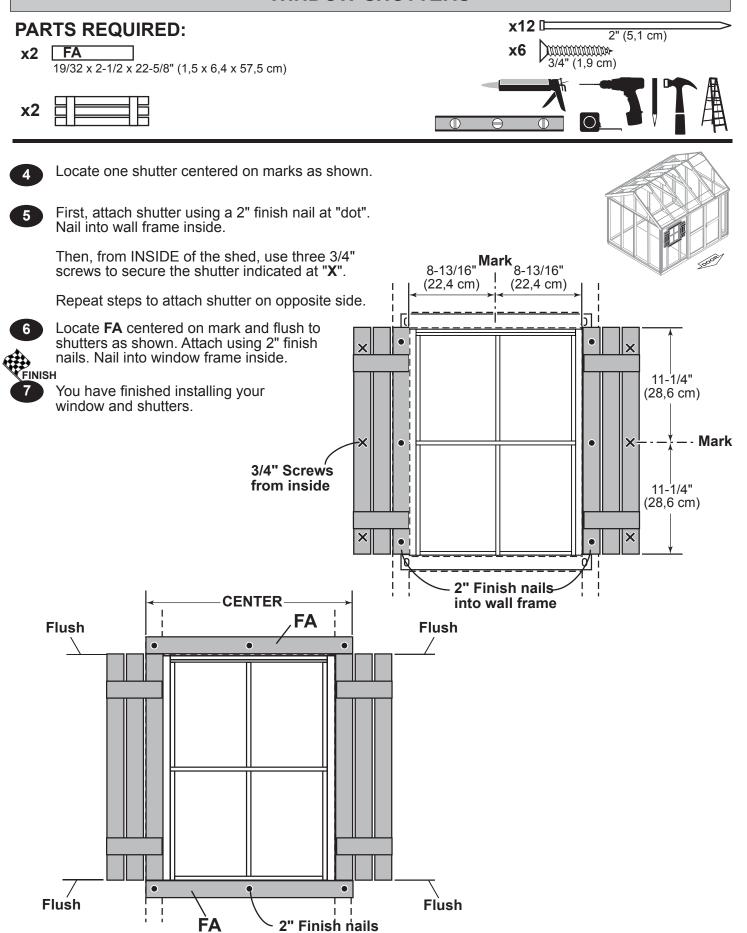
2 Attach window using four 1-1/4" (3,2 cm) screws as shown.







### **WINDOW SHUTTERS**



### PAINT & CAULK - NOT INCLUDED -

### **PARTS REQUIRED:**



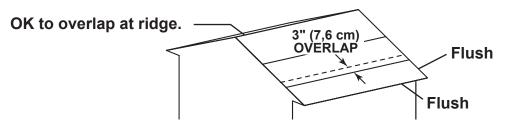
- Use acrylic latex caulk that is paintable. Caulk at all horizontal and vertical seams, between the trim and walls, and all around the door trim.
- Use a high quality exterior acrylic latex paint. When painting your building, there are a few key areas that can be easily overlooked that must be painted:
  - Bottom edge of all siding and trim
  - Inside of doors and all 4 edges
  - Paint under door trim to match shed color.

#### Note:

Prime all un-primed exterior wood before painting. (Follow directions provided by manufacturer.)

### ROOF FELT - NOT INCLUDED -

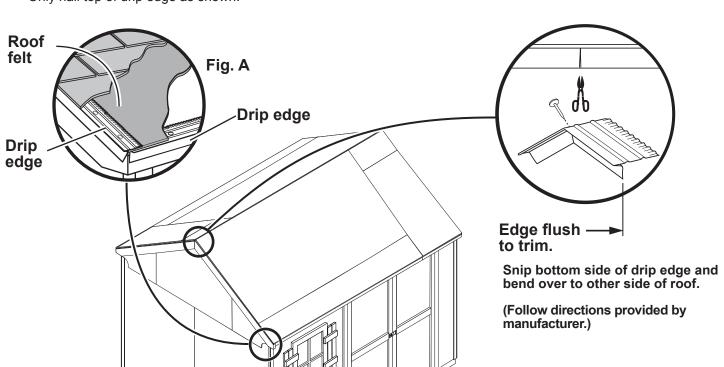
• Install felt flush to all roof edges overlapping 3". Use minimal amount of roofing nails to hold in place.



### DRIP EDGE - NOT INCLUDED -

- Install drip edge over roof felt on gable side and under roof felt on eave side (Fig. A).
- Do not use nails on side of drip edge that hangs over side of building.
- · Only nail top of drip edge as shown.



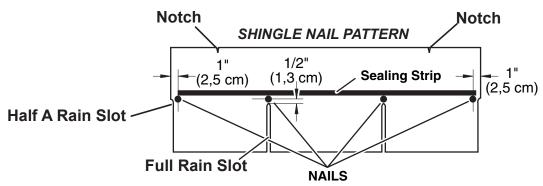


### **SHINGLES** - NOT INCLUDED -

• Follow directions provided by manufacturer and these instructions.



Familiarize yourself with a 3-Tab Shingle.



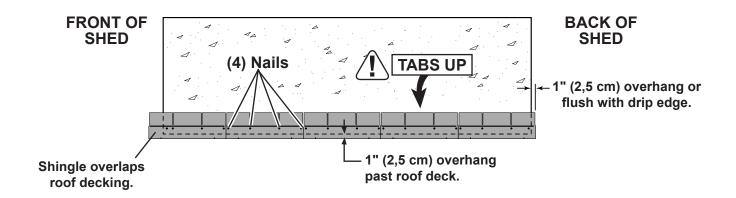
NEVER DRIVE FASTENERS INTO OR ABOVE SEALING STRIPS.

**V**BEGIN

Install first starter row upside down and color up with a 1" overhang at back and bottom of roof panel. Use (4) nails per shingle.

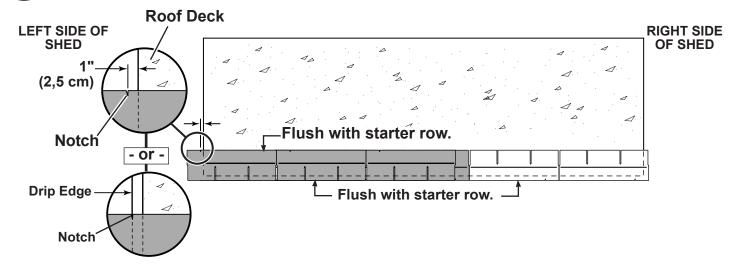
Starter row must be straight and level all the way across with lower edge of roof deck.

NOTE: If you have installed drip edge install shingles flush to drip edge.

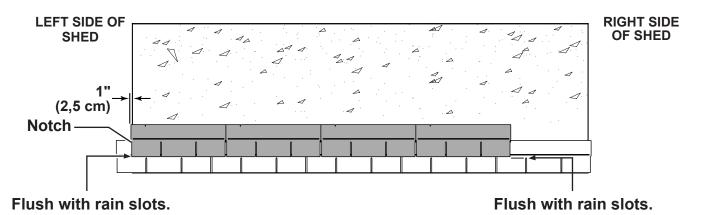


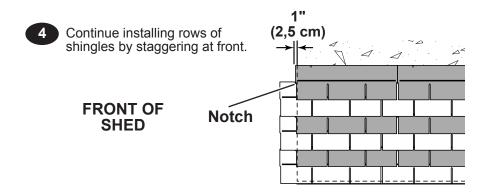
### SHINGLES continued...

2 Beginning at front of shed, install first row of shingles with notch at 1" past roof edge or flush with drip edge.



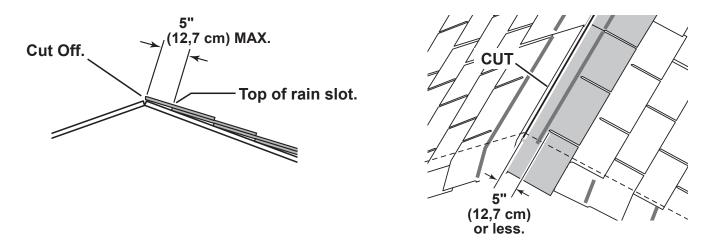
Install second row of shingles flush at top of first row's rain slots. Ensure 1" overhang or flush to drip edge at front, stagger each row.



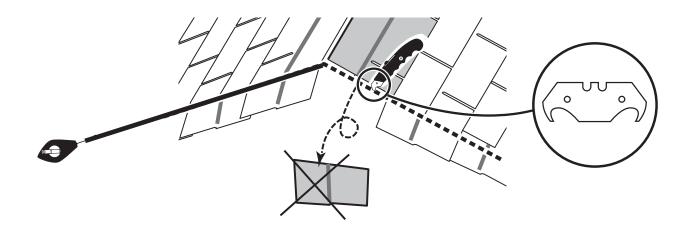


### SHINGLES continued...

Continue installing rows of shingles to the peak. At the peak make sure there is a maximum of 5" or less to the rain slot, as shown below. If shingles overlap at ridge cut to peak with a utility knife.



- If more than 5" (12,7 cm) to rain slot you must install another row of shingles.
- 6 Repeat steps 1 6 to shingle the opposite side of your roof. Trim shingles at ridge.
- 7 Once both sides are shingled you need to trim ends. Strike a chalk line 1" from edge.
- 8 Using your shingle hooked blade carefully cut shingles along chalk line.



FINISH

You have finished shingling your roof. Proceed to capping the ridge.

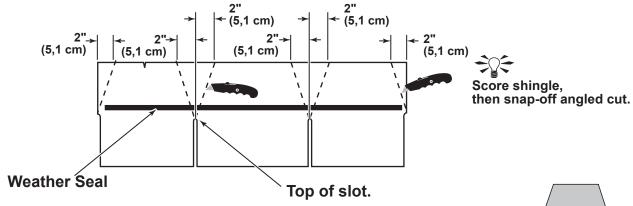
### SHINGLES - RIDGE CAP



• You will finish off the top of the roof with a ridge cap made from shingles.



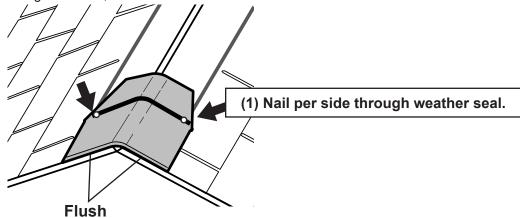
Cut shingles into THREE pieces. Hint: Use cut-off pieces first.



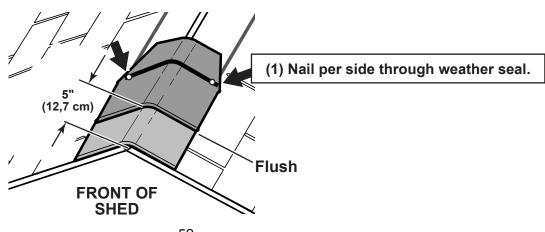
Note: • You will need about 24-26 cut pieces.



2 Install first ridge cap flush to shingles at front, as shown.

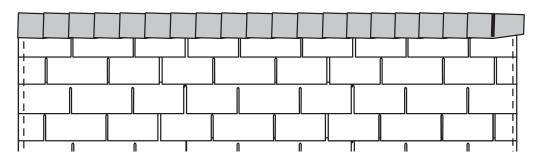


3 Install second ridge cap 5" back, as shown.

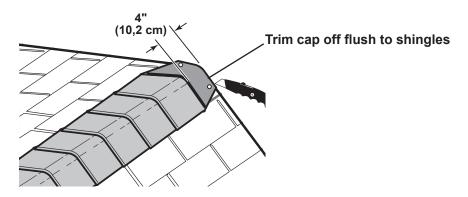


## SHINGLES - RIDGE CAP continued...

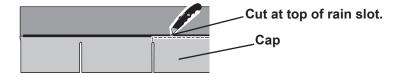
Continue installing ridge cap to back of roof.



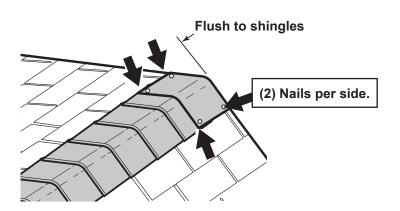
5 Make sure there is 4" (10,2 cm) between the shingle-color and edge of shingles.



When you have 4" minimum of shingle color cut one piece to cap your roof.



Install flush to shingles.



You have finished your ridge cap.

#### WARRANTY REGISTRATION

Please complete your warranty registration to properly validate your warranty.

Register your product online at:www.OnlineWarranty.net.

### LIMITED CONDITIONAL WARRANTY\*

Backyard Storage Solutions, LLC warrants the following:

- Every product is warranted from defects in workmanship and manufacturing for 1 year.
- 2. All accessories, hardware and metal components are warranted for 2 years.
- 3. All Oriented Strand Board (OSB) is warranted for 2 years
- 4. Siding and Trim is warranted for 10 years.
- 5. Solar Shed windows are warranted for 1 year.
- 6. Cedar lumber is warranted for 15 years.
- 7. Preserved Pine is warranted for 10 years.

Backyard Storage Solutions, LLC will repair, replace or pay for the affected part. In no event shall Backyard Storage Solutions, LLC pay the cost of labor or installation or any other costs related thereto. All warranties are from date of purchase. If a cash refund is paid on an affected part, it will be prorated from the date of purchase.

#### CONDITIONS

The warranty is effective only when:

- 1. The unit has been erected in accordance with the assembly instructions.
- 2. The unit has been properly shingled and painted or stained and reasonably and regularly maintained thereafter.
- 3. The failure occurs when the unit is owned by the original purchaser.
- 4. Backyard Storage Solutions, LLC has received the warranty registration card within thirty (30) days of purchase and notification of the failure in writing within the warranty period specified above.
- 5. Backyard Storage Solutions, LLC has had reasonable opportunity during the sixty (60) days following receipt of notification to inspect and verify the failure prior to commencement of any repair work.

#### REQUIREMENTS

### **Storage Buildings**

To validate your warranty, it is necessary to properly maintain your Backyard Storage Solutions, LLC unit; shingle the roof and paint or solid-colored stain the siding using quality, 100% acrylic latex exterior product with a minimum of two (2) coats within thirty (30) days of assembly; caulk above all doors and all horizontal and vertical trim boards; paint and seal all exposed edges, sides and faces of siding/trim and OSB siding to include all exterior walls and all sides and all edges of doors.

#### Gazebos & Pergolas

To validate your warranty, it is necessary to properly maintain your Backyard Storage Solutions, LLC unit. This includes treating all of the exposed cedar and pine surfaces on your gazebo or pergola structure with an exterior grade wood preservative, an exterior oil-based semi-transparent stain, an acrylic latex exterior paint or an acrylic latex solid color exterior stain within 30 days of assembly and as needed thereafter to maintain your warranty.

Keep vegetation trimmed away from building and make sure siding panels and trim do not come in contact with masonry or cement. The minimum ground clearance for siding must be one half inch (½ inch) from concrete slab or two and one half inches (2 ½") from the ground when building is erected or constructed on a treated wood floor kit. Water from sprinklers must be kept off unit. In no event will Backyard Storage Solutions, LLC be responsible for any indirect, incidental, consequential or special damages nor for failure(s) that are caused by events, acts or omissions beyond our control including, but not limited to, misuse or improper assembly, improper maintenance (which eventually leads to rot or decay) and acts of God. Backyard Storage Solutions, LLC will not be held responsible for any labor costs incurred to construct your unit.

This warranty gives you certain specific rights that vary from state to state.

#### **CLAIM PROCEDURE**

To make a claim under this warranty, you can either call 1-888-827-9056 or email: customerservice@backyardproducts.com. Please have ready the information below when you call or include the information in your email:

- 1. The model and size of the product.
- 2. A list of the part(s) for which the claim is made.
- 3. Proof of purchase of the Backyard Storage Solutions, LLC item, as shown on the original invoice.
- 4. Run code: found on exterior product label or assembly instructions enclosed in the product package.

All other inquiries can be mailed to:

Backyard Storage Solutions, LLC Attn: Customer Service 1000 Ternes Monroe, MI 48162