

**16789**



***Call Us First!***  
***DO NOT RETURN TO STORE.***

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

**1-800-221-1849**

**or email:**

***customerservice@backyardproductsllc.com***

**Our staff is ready to provide assistance.**

**April through October M - F 8:00 AM to 7:00 PM EST**

**Saturday 8:30 AM to 4:30 PM EST**

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

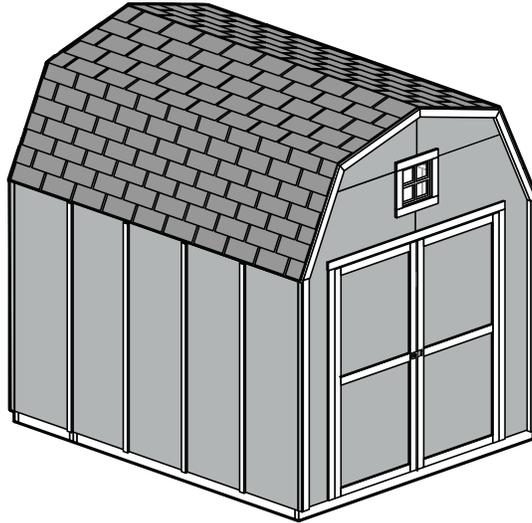
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## MARCO SERIES

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

ACTUAL FLOOR SIZE IS 96 x 116-5/8" (244 x 296 cm)

**KEEP THIS MANUAL FOR FUTURE REFERENCE**



**⚠ IMPORTANT! ⚠**

**READ INSTRUCTIONS THOROUGHLY PRIOR TO BEGINNING ASSEMBLY.**

## BEFORE YOU BEGIN

### • BUILDING RESTRICTIONS AND APPROVALS

Be sure to check with 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 8 .

### • 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.



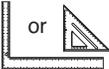
## - CUSTOMER SERVICE -



**Call: 1-800-221-1849 email: [customerservice@backyardproductsllc.com](mailto:customerservice@backyardproductsllc.com)**

# TOOLS

## Required

- Phillips Screwdriver 
- Drill / Driver
  - 3/8" Drill Bit
  - #2 Philips Drive Bit
  - #2 Square Drive Bit (Included)
- Hammer 
- Level 
- Pencil 
- Tape Measure 
- Square 

- Utility Knife 
  - Shingle Blades 
- Caulk Gun 
- Paint Tools 
- Safety Glasses 
- Ladder 

## Optional

- Tool Belt/ Nail Pouch 
- Tin Snips (for drip edge) 
- Chalk Line 
- Nail Gun
  - gun nails 
- Gloves 

Safety! Always use approved safety glasses during assembly.

## HELPFUL REMINDER SYMBOLS

Look for these symbols for helpful reminders throughout this manual.



= Assistance Required; two or more people.



= Ensure squareness.



= Important required step or operation.



= Helpful assembly hint.



= Mark part with pencil.



**BEGIN** = Beginning of steps for assembly or installation.



**FINISH** = You have finished the assembly or installation.

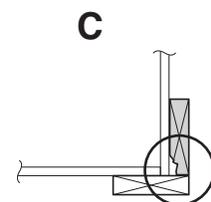
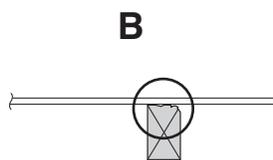
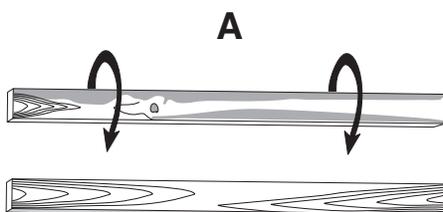


= Level

## 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

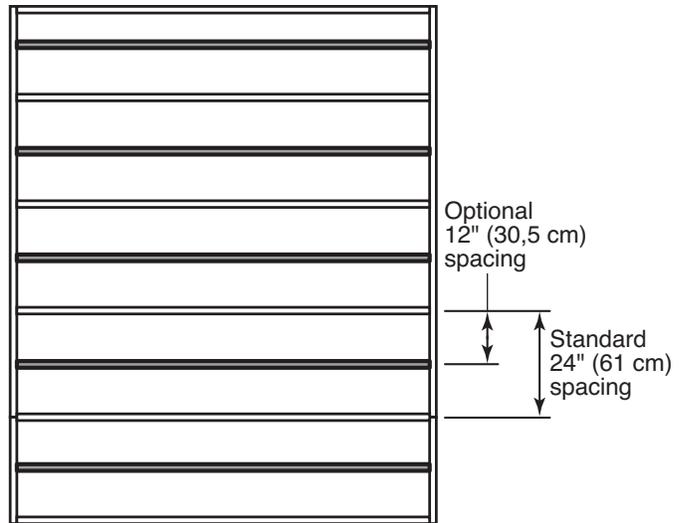
## FOUNDATION OR FLOOR MATERIALS

- This shed kit includes a complete wood floor system.
- This shed does not include ANY leveling materials.
- See the **FLOOR LEVELING** section on page 8 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 x 10 x 244 cm) Treated Lumber  
Cut to (5) 2 x 4 x 93" (5 x 10 x 236,2 cm)
- x20** ea. 3" (7,6 cm) Hot Dipped Galvanized Nails



## COMPLETING YOUR SHED

You will need these additional materials:

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>3-TAB SHINGLES</b> ..... 6 Bundles</li> <li><input type="checkbox"/> <b>PAINT FOR SIDING</b> ..... 2 Gallons<br/>Use 100% acrylic latex exterior paint. (2) coats recommended.</li> <li><input type="checkbox"/> <b>CAULK</b> ..... 3 Tubes<br/>Use acrylic latex exterior caulk that is paintable. </li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>1" GALVANIZED ROOFING NAILS</b>.... 3 Lbs<br/>For shingles.</li> <li><input type="checkbox"/> <b>PAINT FOR TRIM</b> .....1 Quart<br/>Use 100% acrylic latex exterior paint.</li> <li><input type="checkbox"/> <b>WOOD GLUE</b> ..... Exterior Rated</li> </ul> |
|--|---|

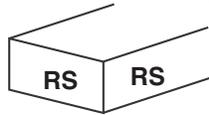
## OPTIONAL MATERIALS

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>DRIP EDGE</b> ..... 30 Feet</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> <b>#15 ROOFING FELT</b><br/>To cover 125 Sq. Ft. of roof area.</li> <li><input type="checkbox"/> <b>1" GALVANIZED ROOFING NAILS</b>.....1/4 Lb<br/>For roofing felt.</li> </ul> |
|---|---|

**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.



• Check these locations for part stamp.

Treated lumber is stamped:



## 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)
2" x 3".....	1-1/2" x 2-1/2" (3,8 x 6,3 cm)
1" x 3".....	3/4" x 2-1/2" (3,8 x 6,3 cm)

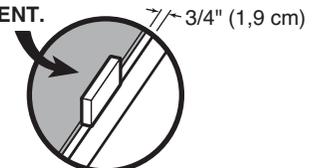
## PARTS LIST



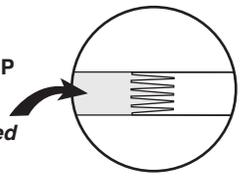
**INVENTORY YOUR PARTS before you begin.**

We suggest sorting parts by the category they are listed in.

Category	Part ID	Dimensions (inches)	Dimensions (cm)	Notes
FLOOR	<input type="checkbox"/> x2	<b>TREATED</b> 2 x 4 x 24"	(5 x 10,2 x 61 cm)	
	<input type="checkbox"/> x6	<b>TREATED</b> 2 x 4 x 93"	(5 x 10,2 x 236,2 cm)	
	<input type="checkbox"/> x2	<b>TREATED</b> 2 x 4 x 92-5/8"	(5 x 10,2 x 235,3 cm)	
WALLS	<input type="checkbox"/> x1	<b>GAA</b> 1 x 3 x 5"	(2,5 x 7,6 x 12,7 cm)	<b>GAUGE BLOCK FOR 3/4" (1,9 CM) MEASUREMENT.</b>
	<input type="checkbox"/> x3	<b>LG</b> 2 x 3 x 12-1/4"	(5 x 7,6 x 31 cm)	
	<input type="checkbox"/> x4	<b>LN</b> 2 x 3 x 16-1/2"	(5 x 7,6 x 41,9 cm)	
	<input type="checkbox"/> x2	<b>NZ</b> 2 x 3 x 22-7/8"	(5 x 7,6 x 58,1 cm)	
	<input type="checkbox"/> x1	<b>NC</b> 2 x 3 x 45"	(5 x 7,6 x 114,3 cm)	
	<input type="checkbox"/> x2	<b>NH</b> 2 x 3 x 46-1/4"	(5 x 7,6 x 117,5 cm)	
	<input type="checkbox"/> x1	<b>NK</b> 2 x 3 x 48"	(5 x 7,6 x 122 cm)	
	<input type="checkbox"/> x8	<b>OVA</b> 2 x 3 x 69-13/16"	(5 x 7,6 x 177,3 cm)	
	<input type="checkbox"/> x4	<b>OZ</b> 2 x 3 x 70-1/4"	(5 x 7,6 x 178,4 cm)	
	<input type="checkbox"/> x2	7/16 x 2-1/2 x 73-1/2"	(1,1 x 7,6 x 186,7 cm)	
	<input type="checkbox"/> x1	<b>PR</b> 2 x 3 x 94-1/2"	(5 x 7,6 x 240 cm)	
	<input type="checkbox"/> x1	<b>PS</b> 2 x 3 x 91"	(5 x 7,6 x 231,1 cm)	
	RAFTERS	<input type="checkbox"/> x8	6 x 24"	(15 x 61 cm)
<input type="checkbox"/> x8		Pre-assembled		
<input type="checkbox"/> x2		<b>WO</b> 1 x 4 x 72"	(2,5 x 10,2 x 182,9 cm)	
LOFT	<input type="checkbox"/> x3	<b>VW</b> 2 x 4 x 95"	(5 x 10,2 x 241,3 cm)	
TRIM	<input type="checkbox"/> x4	<b>NX</b> 2 x 3 x 35-7/16"	(5 x 7,6 x 90 cm)	
	<input type="checkbox"/> x4	<b>NY</b> 2 x 3 x 34-1/8"	(5 x 7,6 x 86,7 cm)	
	<input type="checkbox"/> x8	1-3/4 x 72"	(4,4 x 183 cm)	<b>BATTENS</b>
	<input type="checkbox"/> x4	<b>OB</b> 2 x 3 x 72-5/8"	(5 x 7,6 x 184,5 cm)	
	<input type="checkbox"/> x2	96"	(244 cm)	<b>Z-STRIP</b>
DOOR	<input type="checkbox"/> x2	<b>OO</b> 2 x 3 x 69"	(5 x 7,6 x 175,3 cm)	<b>Finger Jointed</b>
	<input type="checkbox"/> x1	<b>ZJ</b> 5/8 x 3 x 72"	(1,6 x 7,6 x 182,9 cm)	



Treated lumber is stamped:  
**TREATED**



# PANEL PARTS LIST

NOTE: Panel parts are not stamped with part identification.

## FLOOR PANELS

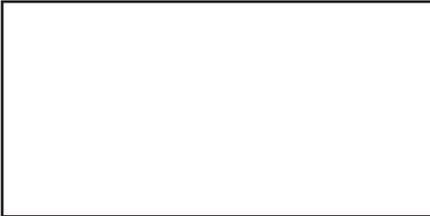
Floor panels are 5/8" (1,6 cm) thick.

x1



5/8 x 20-5/8 x 96"  
(1,6 x 52,4 x 244 cm)

x2

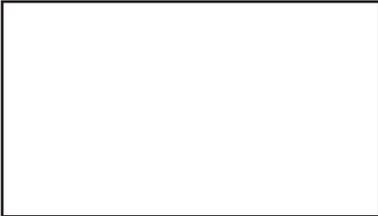


5/8 x 48 x 96"  
(1,6 x 122 x 244 cm)

## LOFT

Loft panel is 7/16" (1,1 cm) thick.

x1

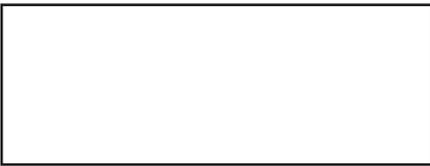


7/16 x 48 x 84-3/8"  
(1,1 x 122 x 214,3 cm)

## ROOF PANELS

Roof panels are 7/16" (1,1 cm) thick.

x2



7/16 x 35-3/8 x 96"  
(1,1 x 89,9 x 244 cm)

x2



7/16 x 35-3/8 x 23-7/8"  
(1,1 x 89,9 x 61 cm)

x2



7/16 x 23-7/8 x 96"  
(1,1 x 60,6 x 244 cm)

x2



7/16 x 23-7/8 x 23-7/8"  
(1,1 x 60,6 x 60,6 cm)

x2



7/16 x 11-1/2 x 96"  
(1,1 x 29,2 x 244 cm)

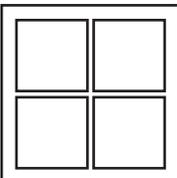
x2



7/16 x 11-1/2 x 23-7/8"  
(1,1 x 29,2 x 60,6 cm)

## WINDOW

x1



12 x 12"  
(30,5 x 30,5 cm)  
Window

x2 **EU**



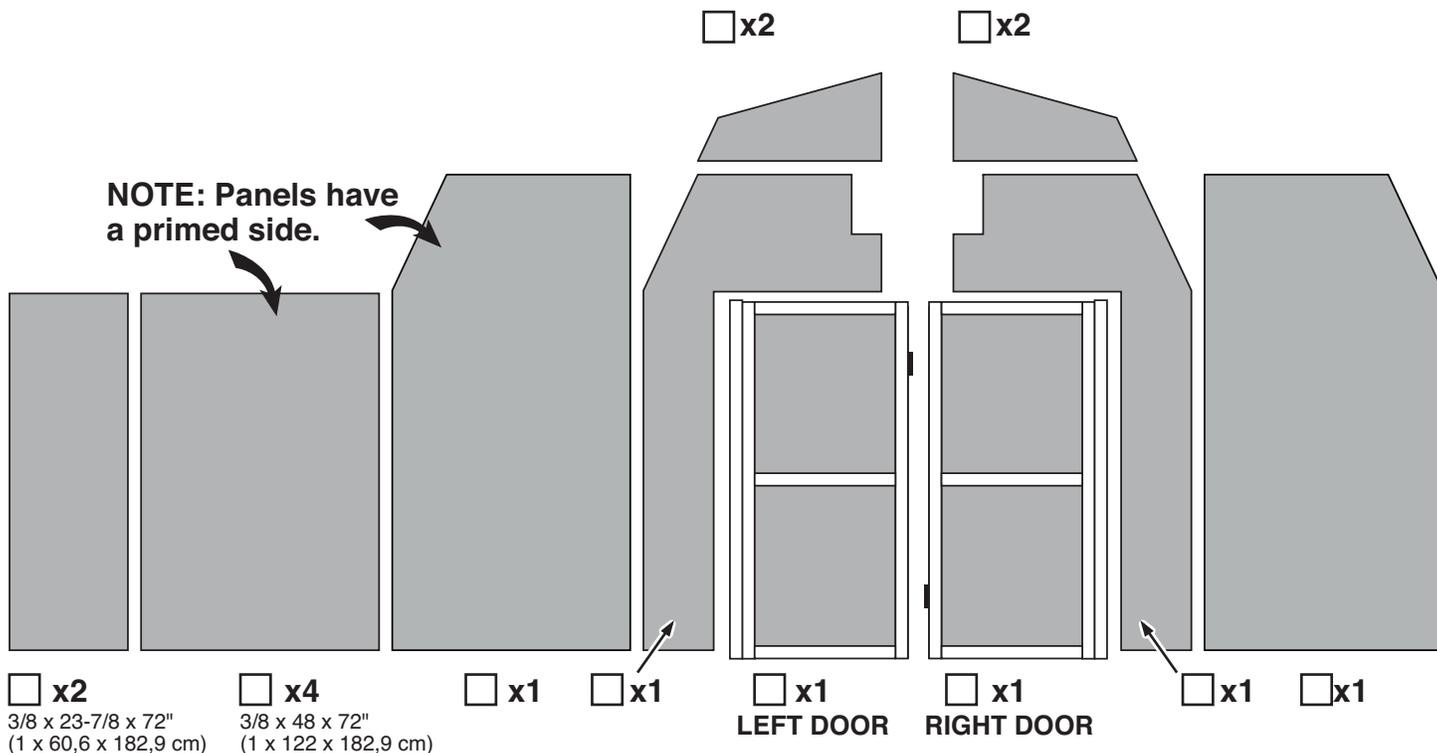
1 x 3 x 17" (2,5 x 7,6 x 43,2 cm)

x2 **DI**

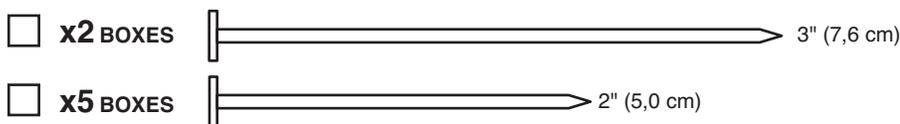


1 x 3 x 12" (2,5 x 7,6 x 30,5 cm)

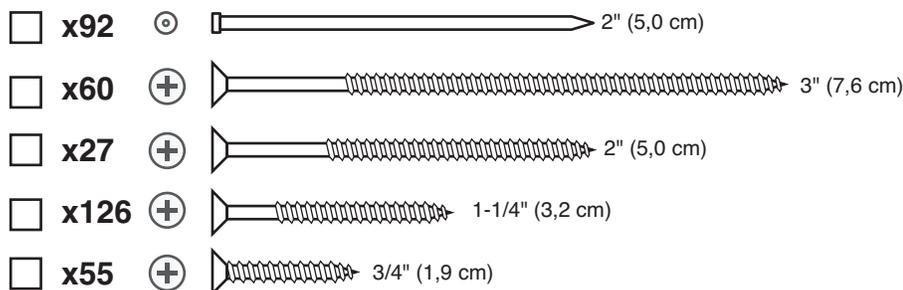
## WALL PANEL & DOORS PARTS LIST



## NAIL BOXES (Shown Actual Size)



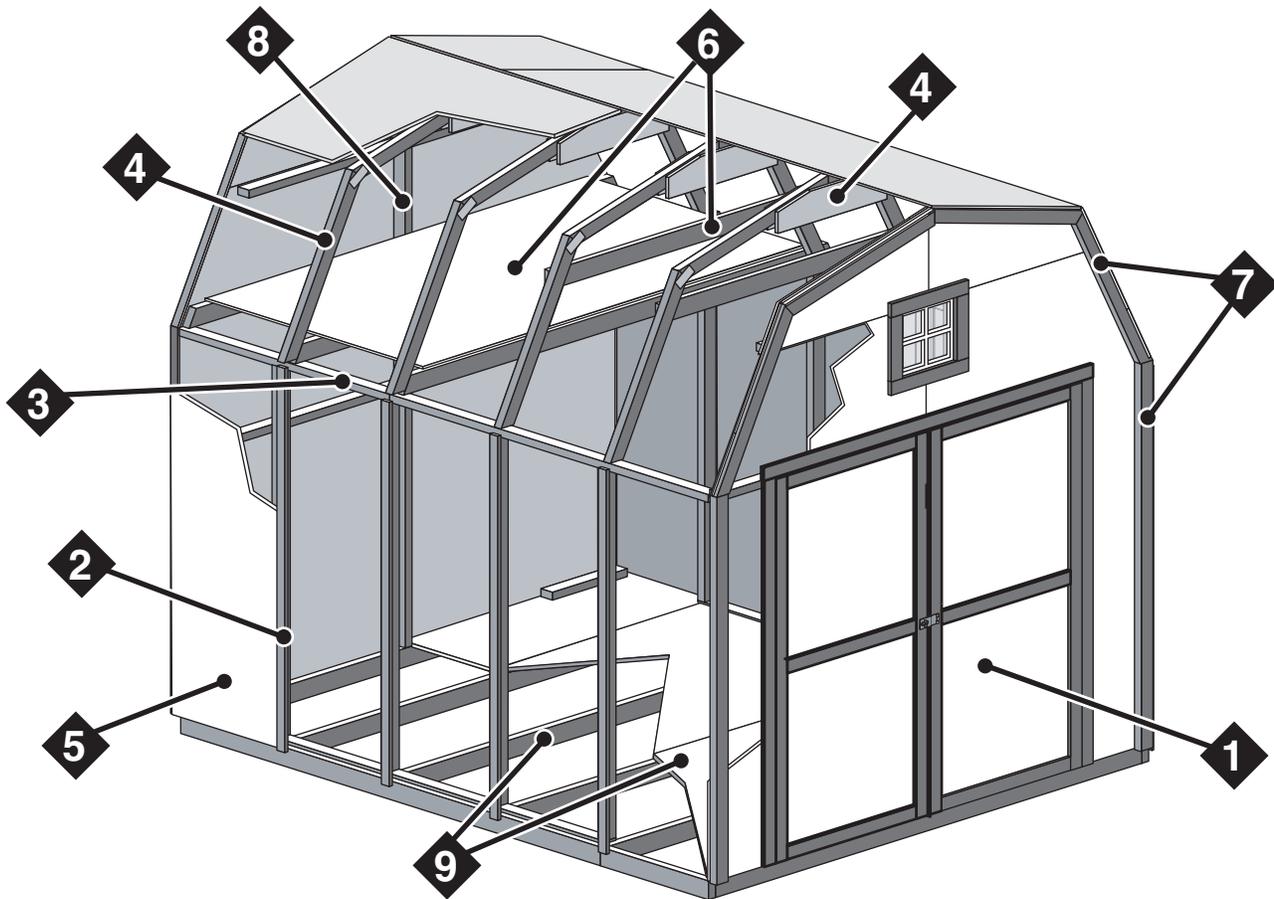
## FASTENER/HARDWARE BAG (Shown Actual Size)



## DOOR HARDWARE (Not Actual Size)



## BUILDING ANATOMY



This building has been designed using our patented EZ Frame construction method. EZ Frame is a unique construction method which has been engineered to use fewer framing members. This reduces assembly time and cost by as much as 30% compared to conventional construction methods. EZ Frame patent no. 5,666,766

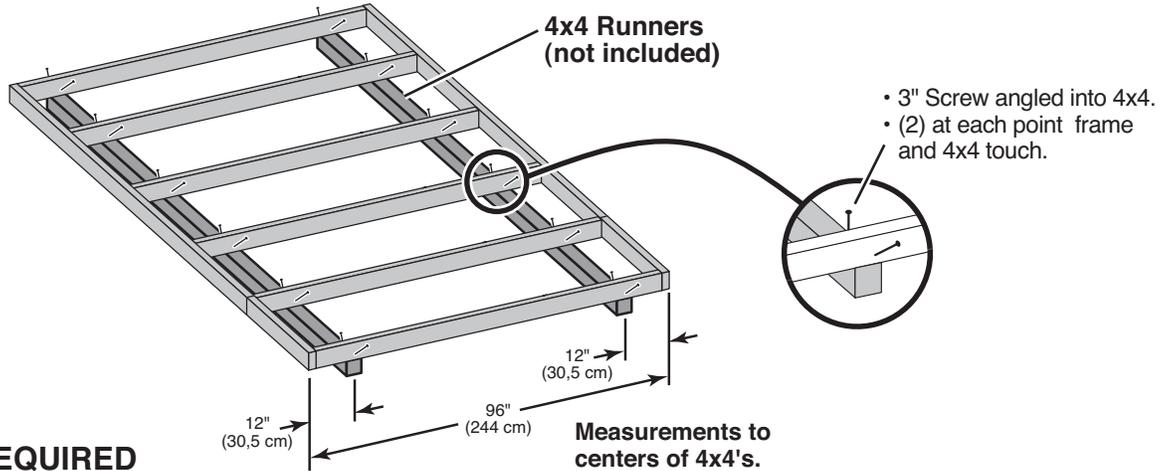
All of our buildings have been engineered to withstand demanding wind and snow loads. If you live in an area with extreme wind/snow load requirement, contact us and we can assist with engineering to meet your local codes.

- 1 Sub-assembled doors.
- 2 2x3 wall studs have been engineered to support roof load and to meet demanding wind loads.
- 3 Sidewall top plates tie wall studs together and provide nailing support for top and bottom edge of siding.
- 4 Rafters line up over wall studs to effectively transfer roof load to the floor and eliminate need for double top plate. Oversized wood gussets at peak provide a strong connection for rafter halves.
- 5 Treated siding overhangs the wall framing and floor to keep the elements out.
- 6 Collar ties and storage loft tie sidewalls together to prevent spreading under heavy roof loads.
- 7 Corner studs & end rafters are positioned to the outside of the siding where they serve the dual purpose of framing and trim.
- 8 The EZ Frame design transfers the roof load to the side walls allowing for reduced framing at the front and back wall.
- 9 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



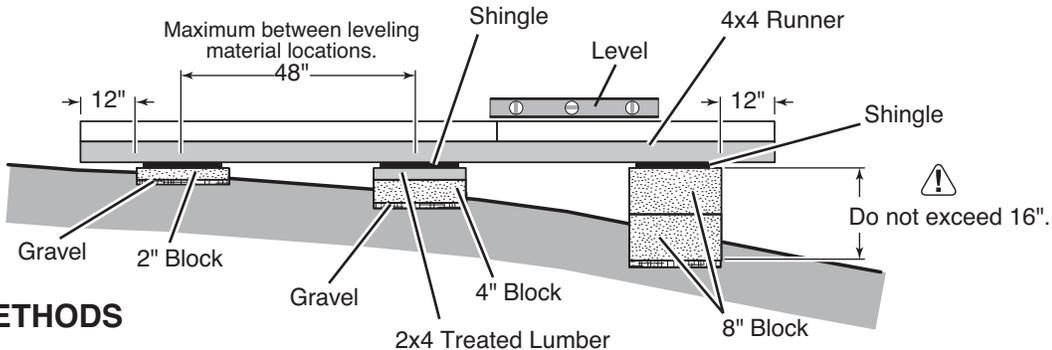
#### MATERIAL REQUIRED

**x2** 4" x 4" x 10' (10 x 10 x 305 cm) Treated Lumber

**Fasteners for Frame to 4"x 4".**  
 (3" Screws shown as one option.) Minimum (24) 3" screws / exterior grade.

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

**⚠ Always support frame seams.**



#### LEVELING METHODS

- Level under 4x4 runners only.
- Locate leveling material 12" from ends of runners and no more than 48" 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

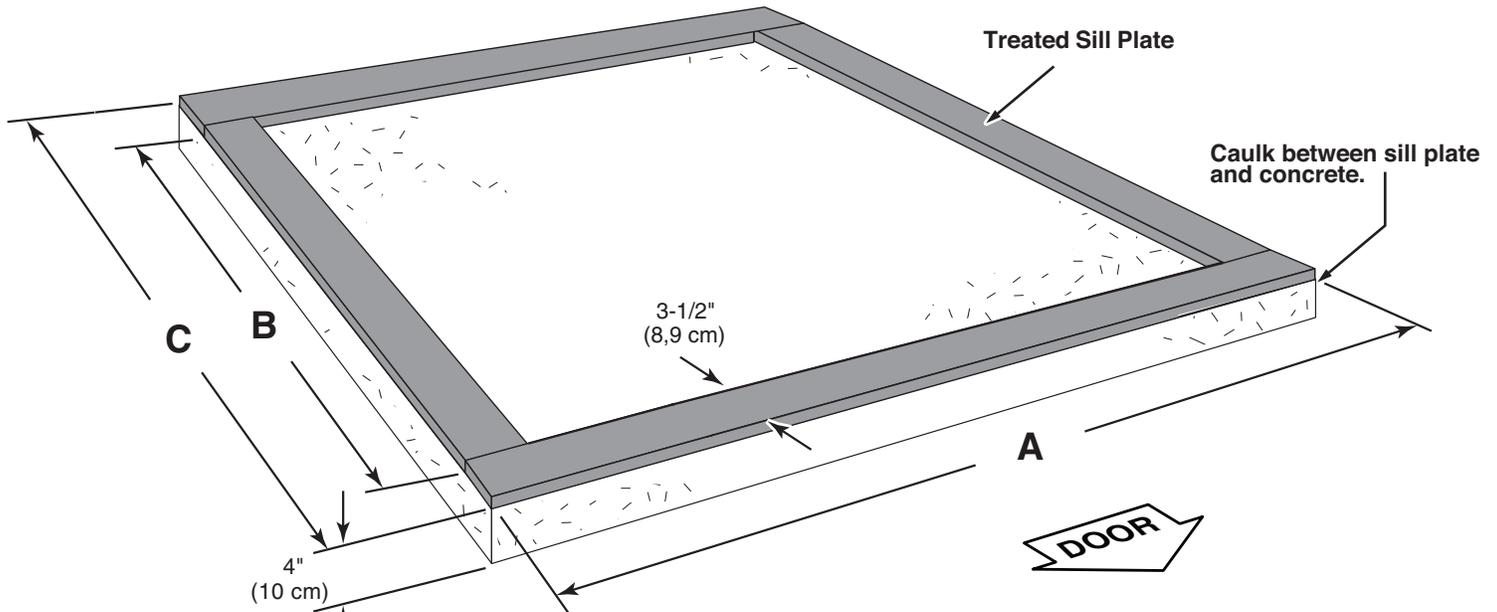
**⚠ Leveling higher than 16" not recommended.**

#### 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.



Building Size	Actual Floor Size	A	B	C
8' x 10' (244 x 305 cm)	8' x 9'-8-5/8" (244 x 296,2 cm)	96" (244 cm)	109-5/8" (278,4 cm)	116-5/8" (296,2 cm)

**Requires:**

- x2** 2 x 4 x 10' (5 x 10 x 305 cm) **MUST be treated lumber.**
- x2** 2 x 4 x 8' (5 x 10 x 244 cm) **MUST be treated lumber.**
- x1** **Caulk**

Allow new concrete slabs to cure for at least seven (7) days.

- A treated 2 x 4" (5 x 10 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 x 10 cm) sill plates to slab using approved concrete anchors (**fasteners not included**).
- Check local code for concrete foundation requirements.

## NOTES

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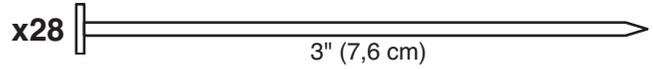
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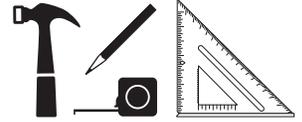
# FLOOR FRAME

## PARTS REQUIRED:

- x2** TREATED  
2 x 4 x 24" (5 x 10,2 x 61 cm)
- x6** TREATED  
2 x 4 x 93" (5 x 10,2 x 236,2 cm)
- x2** TREATED  
2 x 4 x 92-5/8" (5 x 10,2 x 235,3 cm)

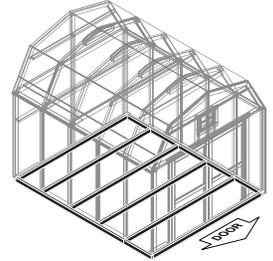


**NOTE: Look for  
TREATED  
Stamp.**



### ✓ BEGIN

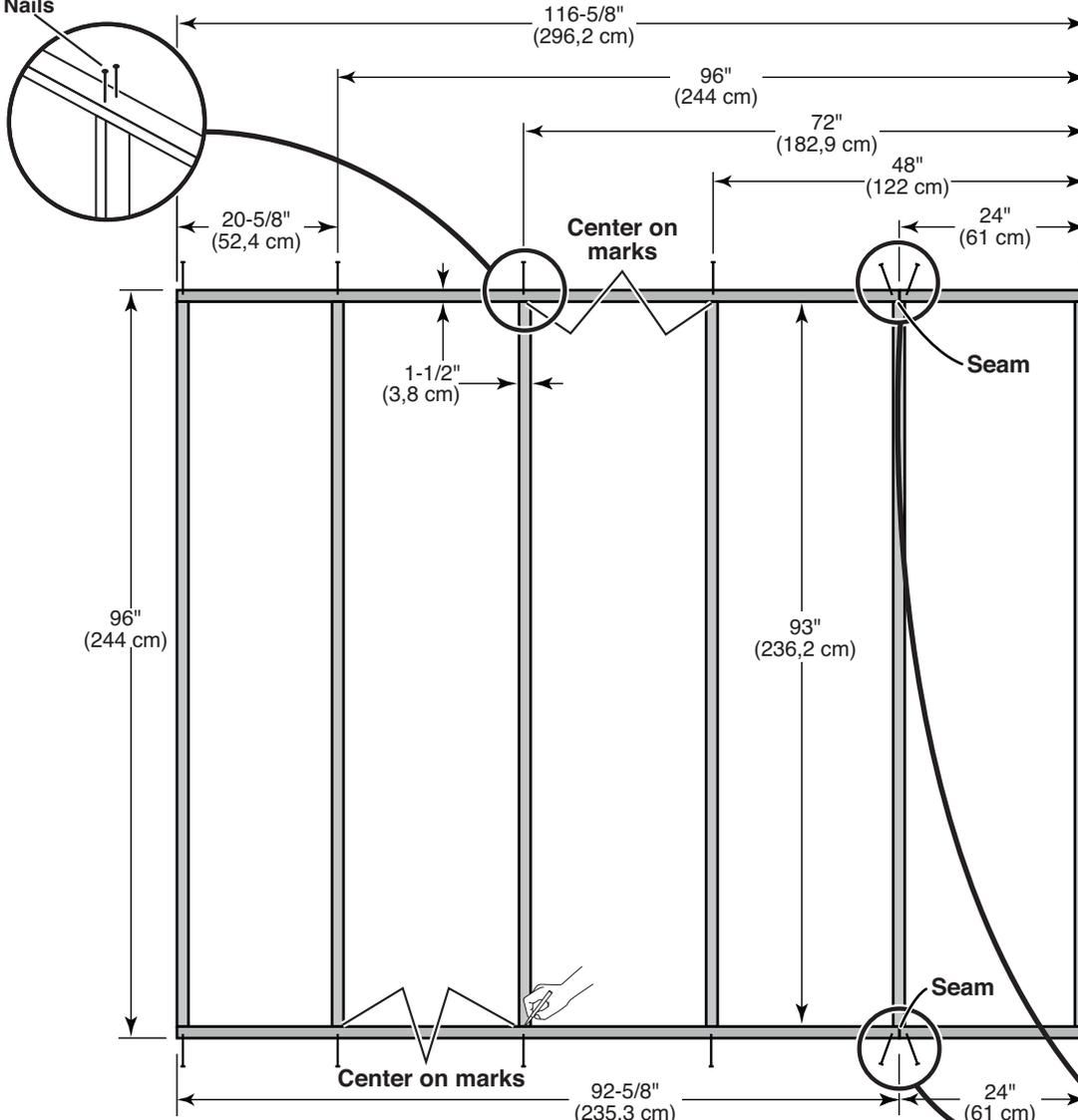
- 1** Orient parts as shown on flat surface. Measure and mark from end of boards.
- 2** Use two 3" nails at each mark.



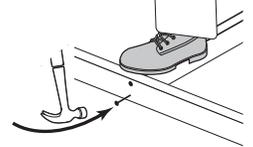
### FINISH

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

(2) 3" (7,6 cm) Nails

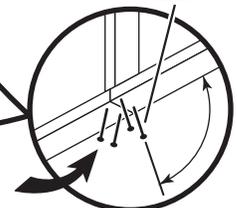


**HINT:**  
For easier nailing  
stand on frame.



(4) 3" (7,6 cm) Nails

Toenailing



## FLOOR FRAME

**STOP!**

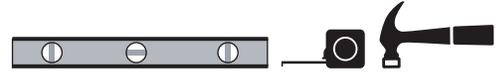


### LEVEL AND SQUARE FLOOR FRAME



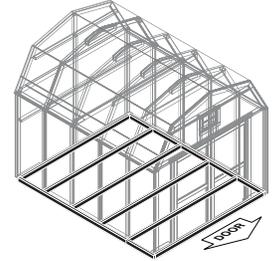
**STOP!**

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.



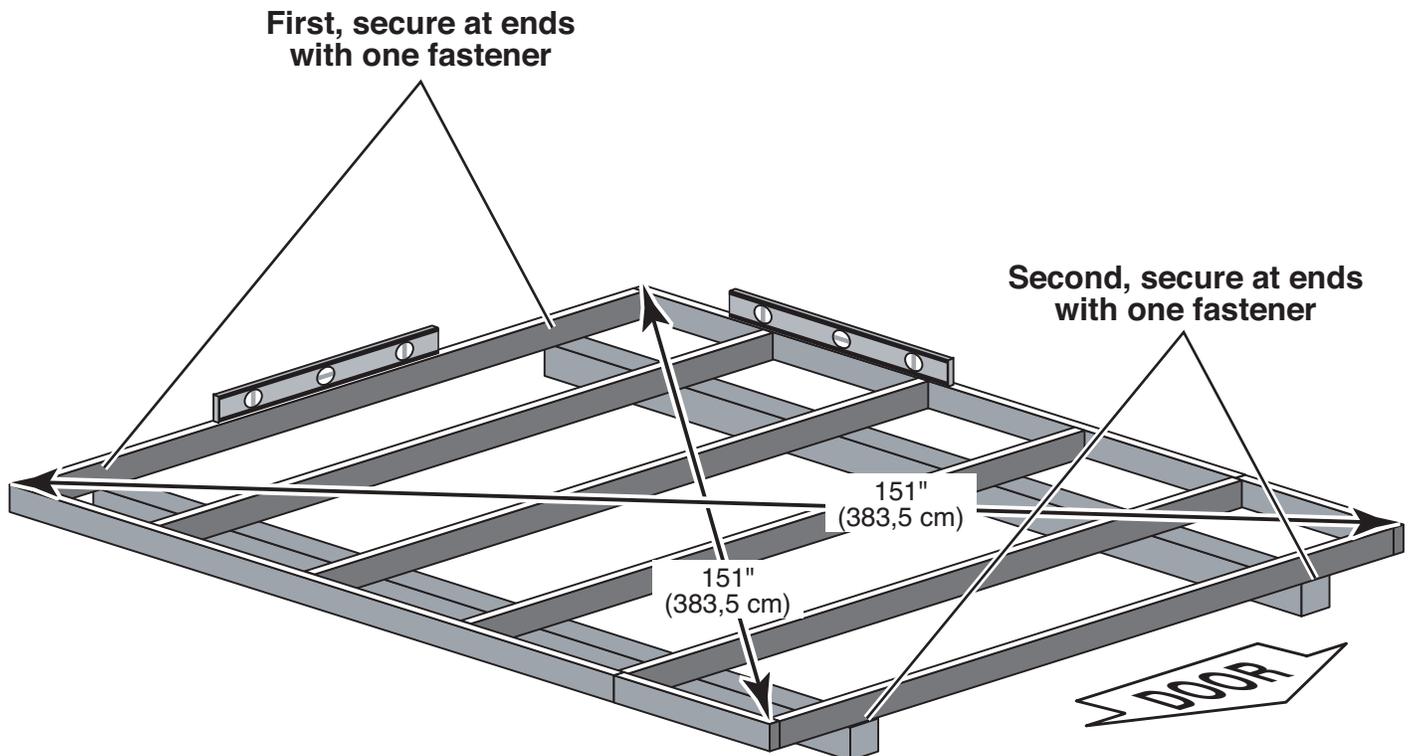
#### ✓ BEGIN

- 1 See page 8 for the preferred floor leveling method.
- 2 Use level and check the frame is level before applying floor panels.
- 3 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).
- 4 When the frame is level and square secure one side of frame to the 4x4 runners using one fastener at ends of each runner. At 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**).



#### FINISH

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



**Fig. A**

# FLOOR PANELS

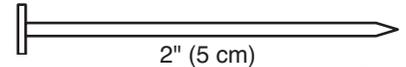
## PARTS REQUIRED:

x1



5/8 x 48 x 96"  
(1,6 x 122 x 244 cm)

x55



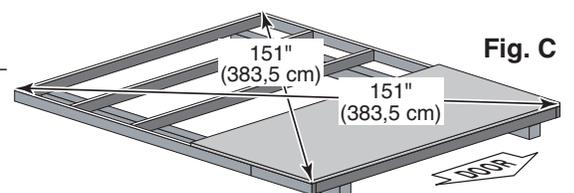
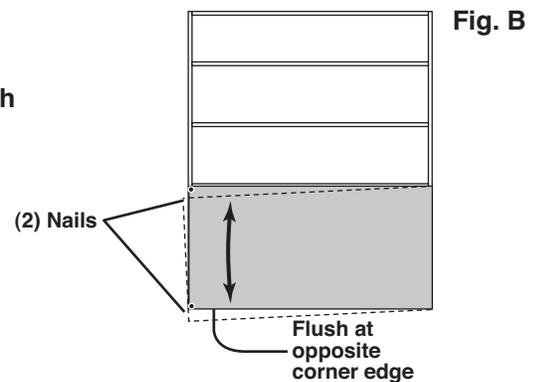
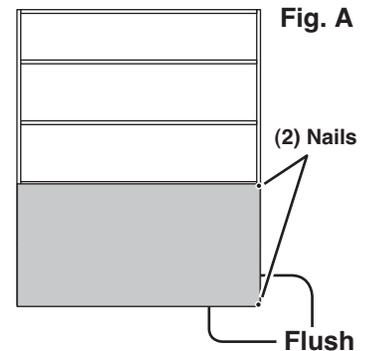
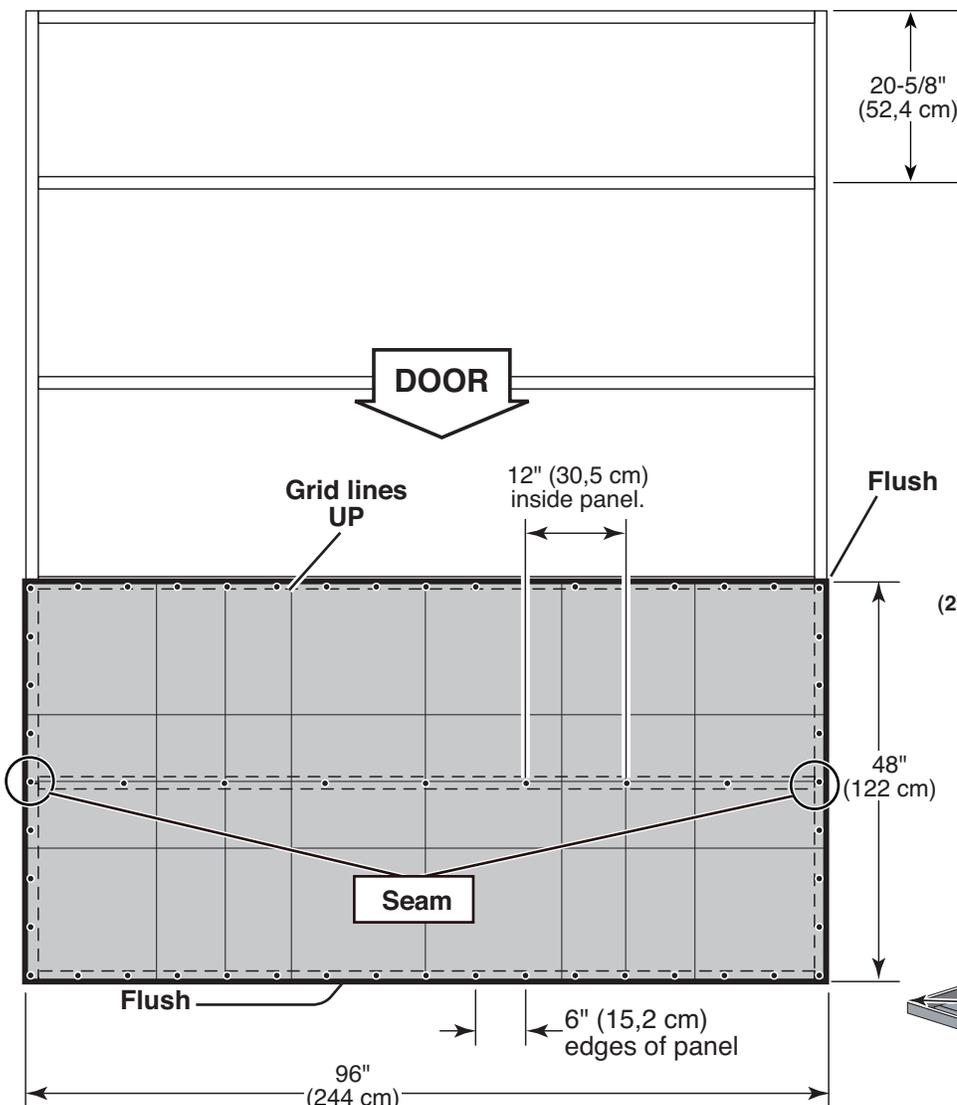
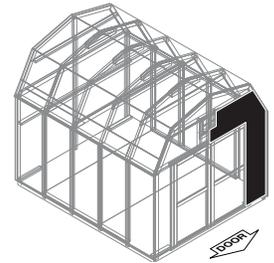
2" (5 cm)



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

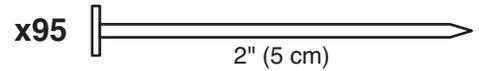
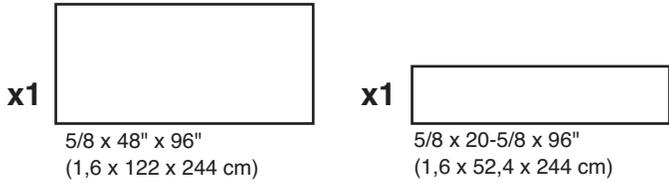
### BEGIN

- 1 Attach the 48 x 96" panel with the rough side up (painted-grid lines side) with the 48" edge and corner flush to the floor frame (**Fig A**). Secure panel with two 2" nails in the corners.
- 2 Move to the opposite end. Using the long edge of the panel as a lever move the panel side-to-side until the top corner is flush to the floor frame (**Fig. B**). Secure panel with two 2" nails in the corners.
- 3 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**).
- 4 Continue attaching the panel using 2" nails 6" apart on edges and 12" apart inside panel. Use a chalk line or use pre-painted grid lines to nail into joists under panel.

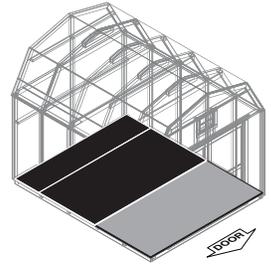


# FLOOR PANELS

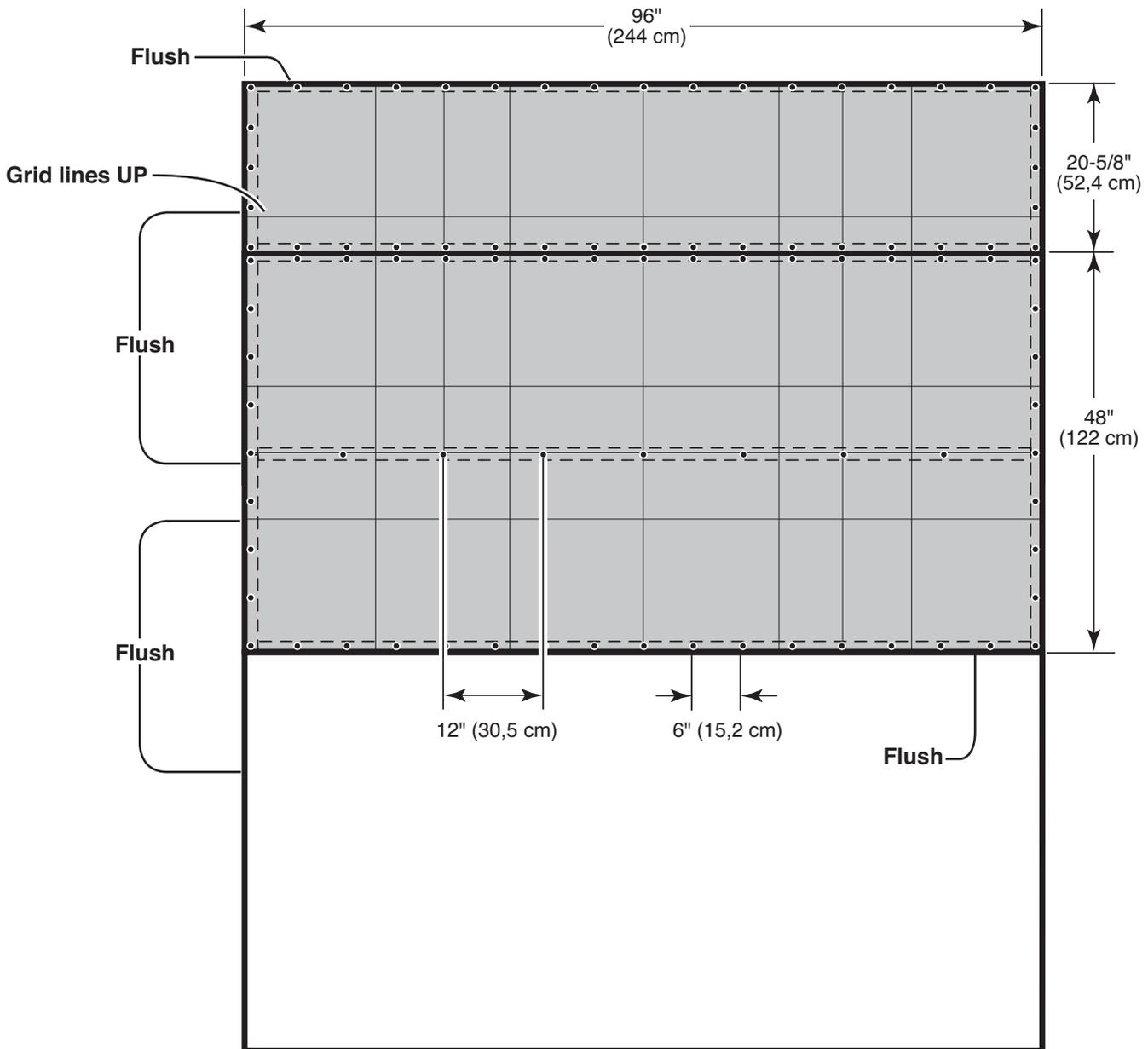
## PARTS REQUIRED:



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



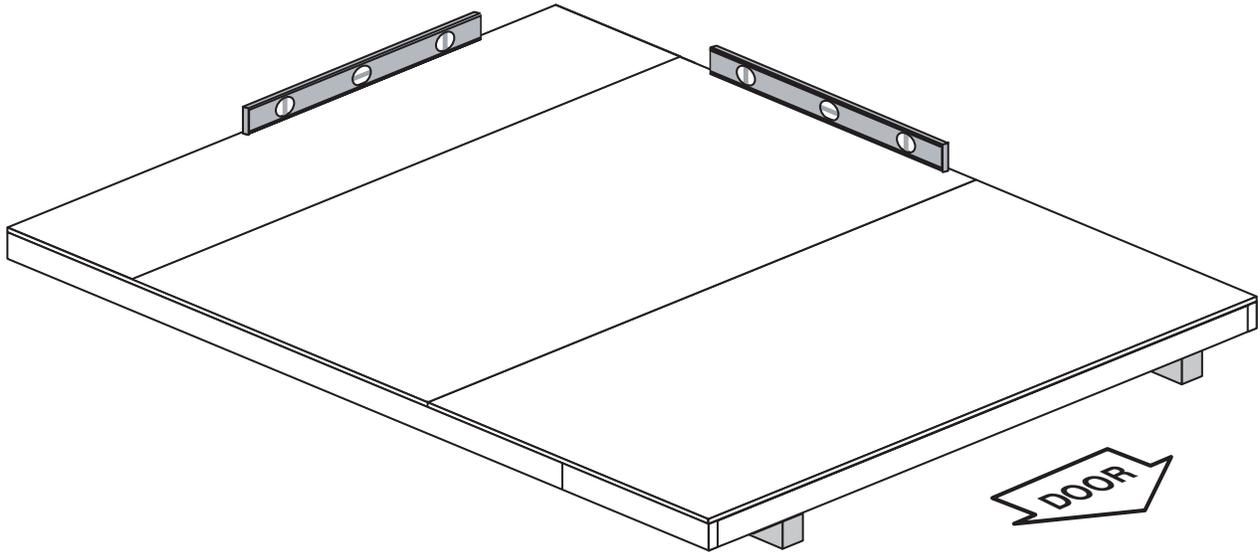
- 7 You have finished installing your floor panels.



**! IMPORTANT!**



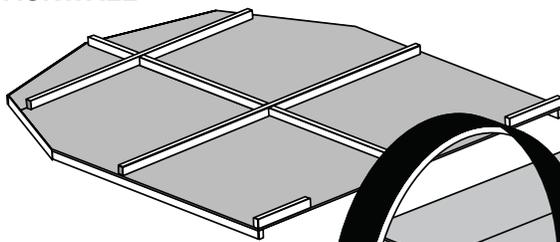
**STOP!** Check the floor frame is level after installing floor panels. Re-level if needed.



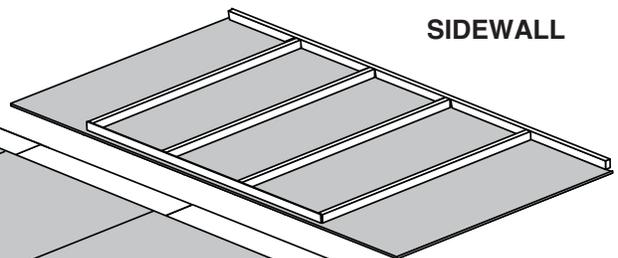
• The floor should be used as a stable work surface for wall construction.

**HINT:** • Organize your assembly procedure during the build process to avoid over-handling of the walls.

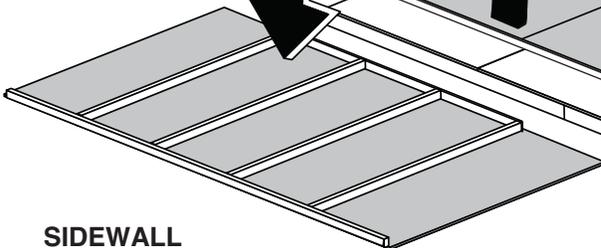
**BACKWALL**



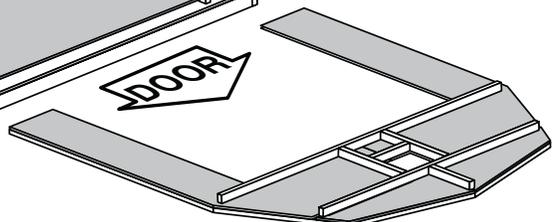
**SIDEWALL**



**SIDEWALL**



**DOOR**



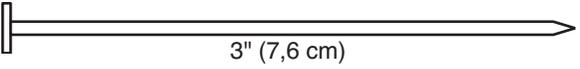
**FRONTWALL**

# BACK WALL FRAME

## PARTS REQUIRED:

x1 **NK**  
2 x 3 x 48" (5 x 7,6 x 122 cm)

x1 **PR**  
2 x 3 x 94-1/2" (5 x 7,6 x 240 cm)

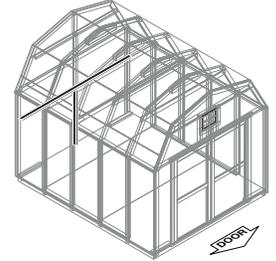
x2  3" (7,6 cm)



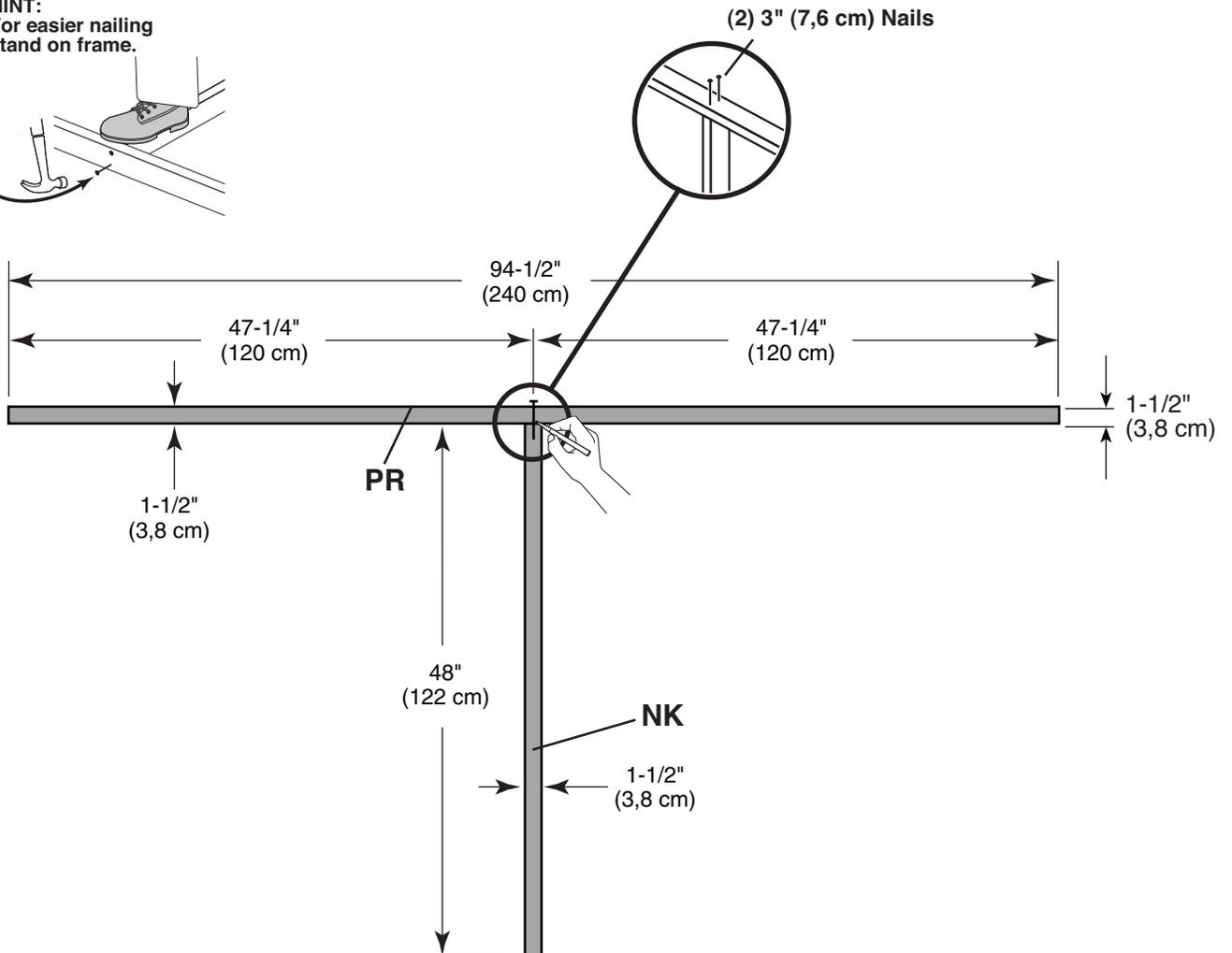
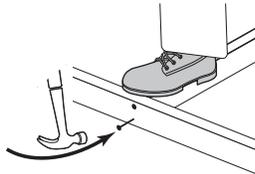
### ✓ BEGIN

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

**2** Nail using two 3" nails at connection.



**HINT:**  
For easier nailing  
stand on frame.

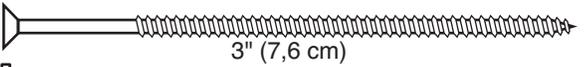
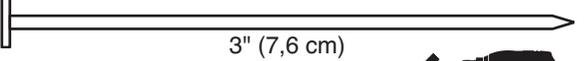


# BACK WALL FRAME

## PARTS REQUIRED:

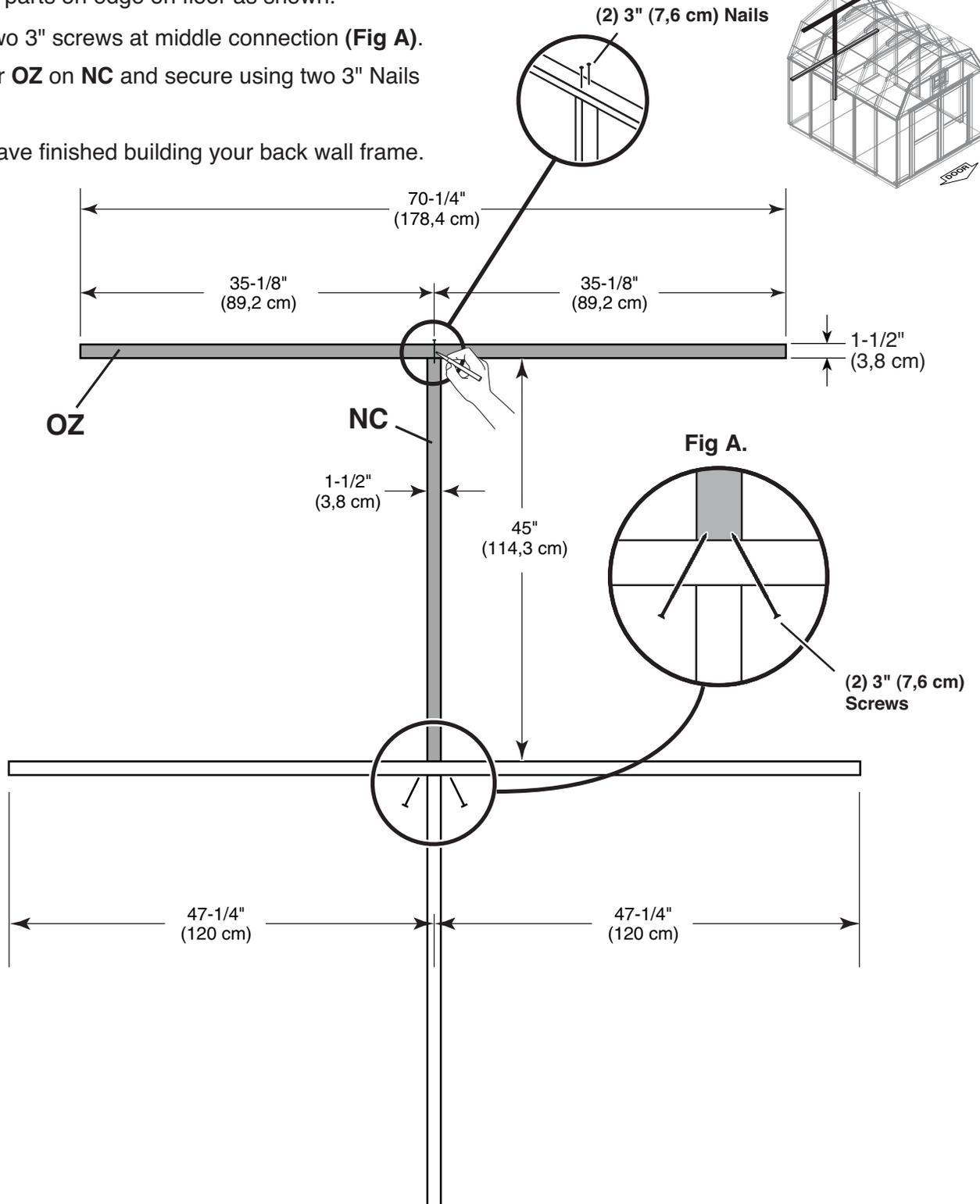
x1 **OZ**  
2 x 3 x 70-1/4" (5 x 7,6 x 178,4 cm)

x1 **NC**  
2 x 3 x 45" (5 x 7,6 x 114,3 cm)

x2  3" (7,6 cm)  
x2  3" (7,6 cm)

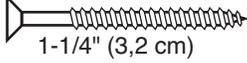


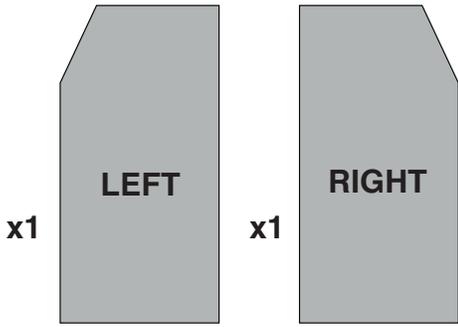
- 3 Orient parts on edge on floor as shown.
- 4 Use two 3" screws at middle connection (**Fig A**).
- 5 Center **OZ** on **NC** and secure using two 3" Nails
-  **FINISH**
- 6 You have finished building your back wall frame.



# BACK WALL PANELS

## PARTS REQUIRED:

x24  1-1/4" (3,2 cm)



x1

LEFT

x1

RIGHT

x2

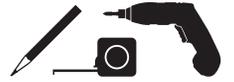
OB

2 x 3 x 72-5/8" (5 x 7,6 x 184,5 cm)

x1

OO

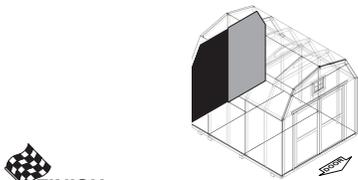
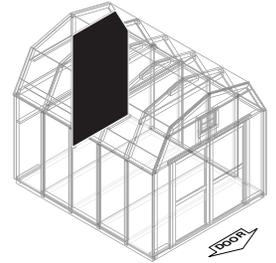
2 x 3 x 69" (5 x 7,6 x 175,3 cm) TEMPORARY SUPPORT



**!** You will build ONE LEFT and ONE RIGHT back wall panel.

✓ **BEGIN**

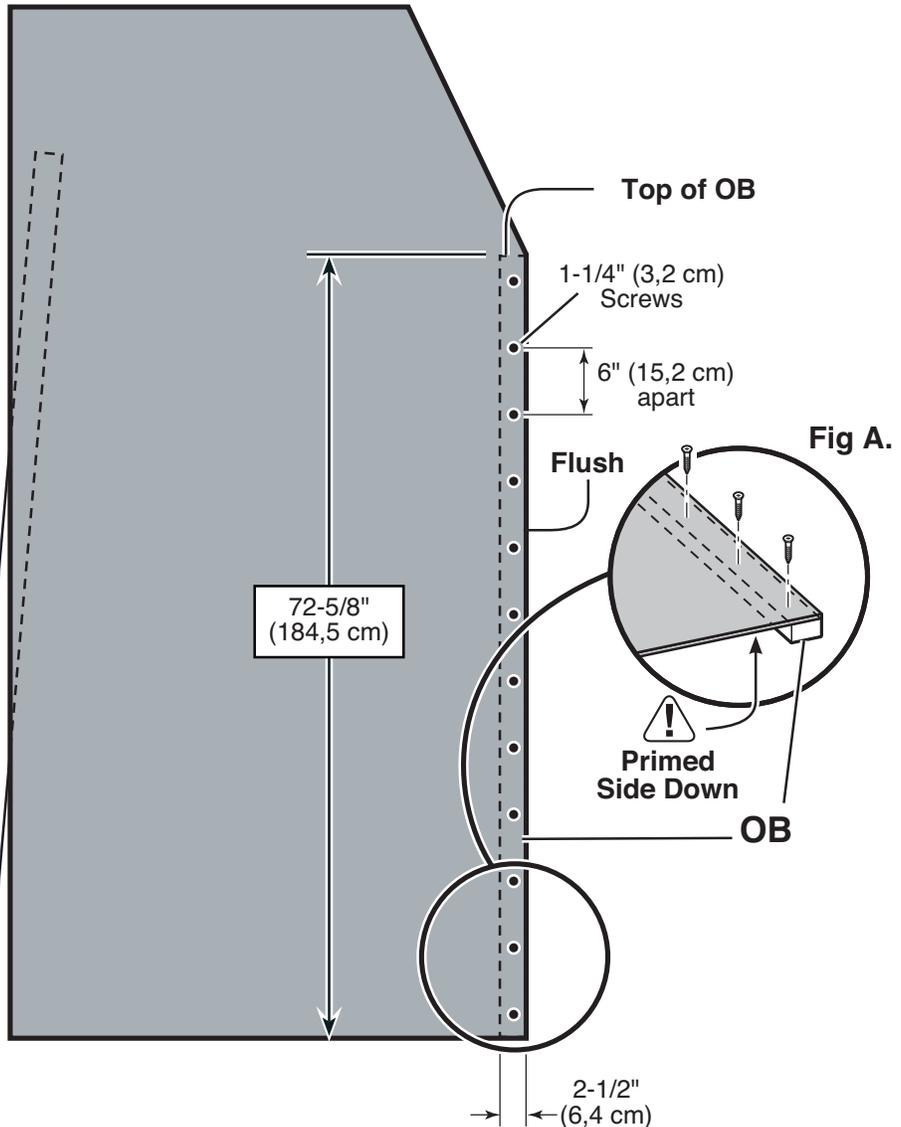
- 1** Place OB on floor. **!** Place the left back wall panel primed side down onto OB (Fig. A) 72-5/8" (184,5 cm) from bottom and flush to outside panel edge as shown.
- 2** Secure flush to edge using twelve 1-1/4" (3,2 cm) screws 6" apart.
- 3** Repeat Steps 1-2 to assemble the right back wall panel.



✓ **FINISH**

- 4** You have finished building your back wall panels.

Use 2 x 3 for temporary support



# BACK WALL PANELS

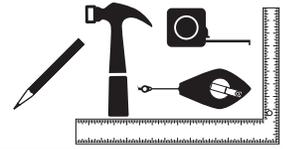
## PARTS REQUIRED:

x1 **LN**  
2 x 3 x 16-1/2" (5 x 7,6 x 41,9 cm)

x1 **LEFT**  
PRE-ASSEMBLED

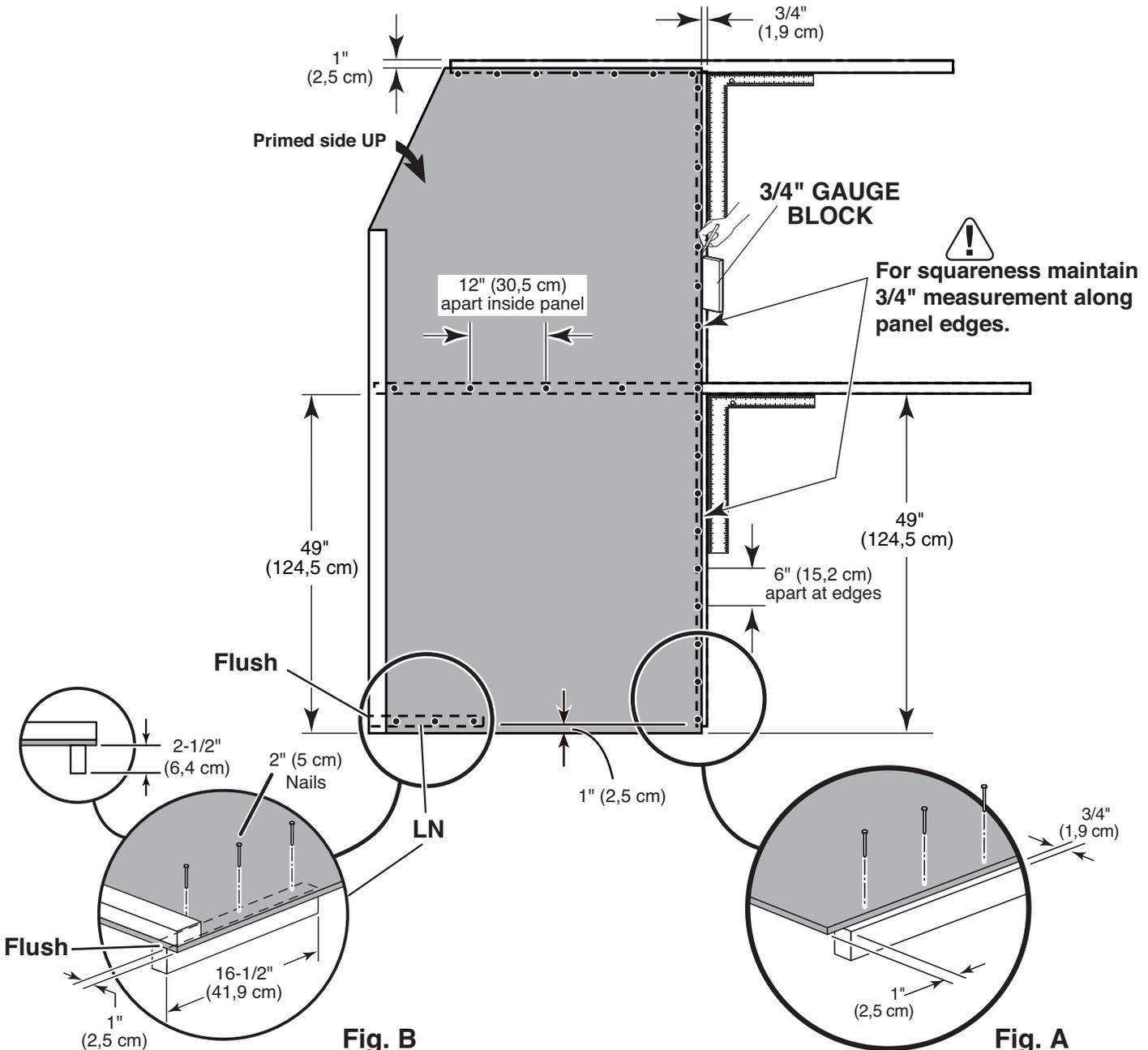
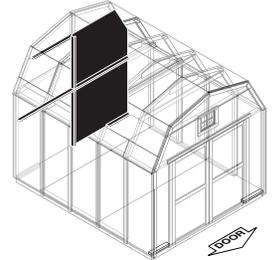
x32 2" (5 cm)

**GAA**  
3/4" GAUGE  
BLOCK



### ✓ BEGIN

- 1 Place **LEFT** panel on back frame as shown with primed side facing up.
- 2 Use a 3/4" gauge block at inside edges of panel. Be sure to maintain 1" measurement between bottom edge of frame and bottom edge of panel (**Fig. A**)
- 3 Secure panel using 2" nails 6" apart on edges and 12" apart inside panel.
- 4 Position **LN** on edge as shown and secure using three 2" Nails. (**Fig. B**)



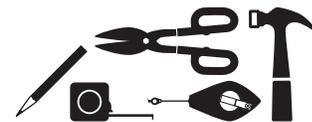
# BACK WALL PANELS

## PARTS REQUIRED:

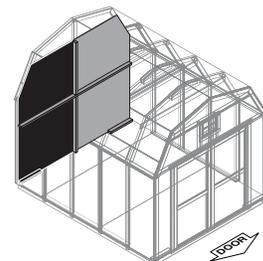
x1 **LN**  
2 x 3 x 16-1/2" (5 x 7,6 x 42 cm)

x1 **RIGHT**  
**PRE-ASSEMBLED**

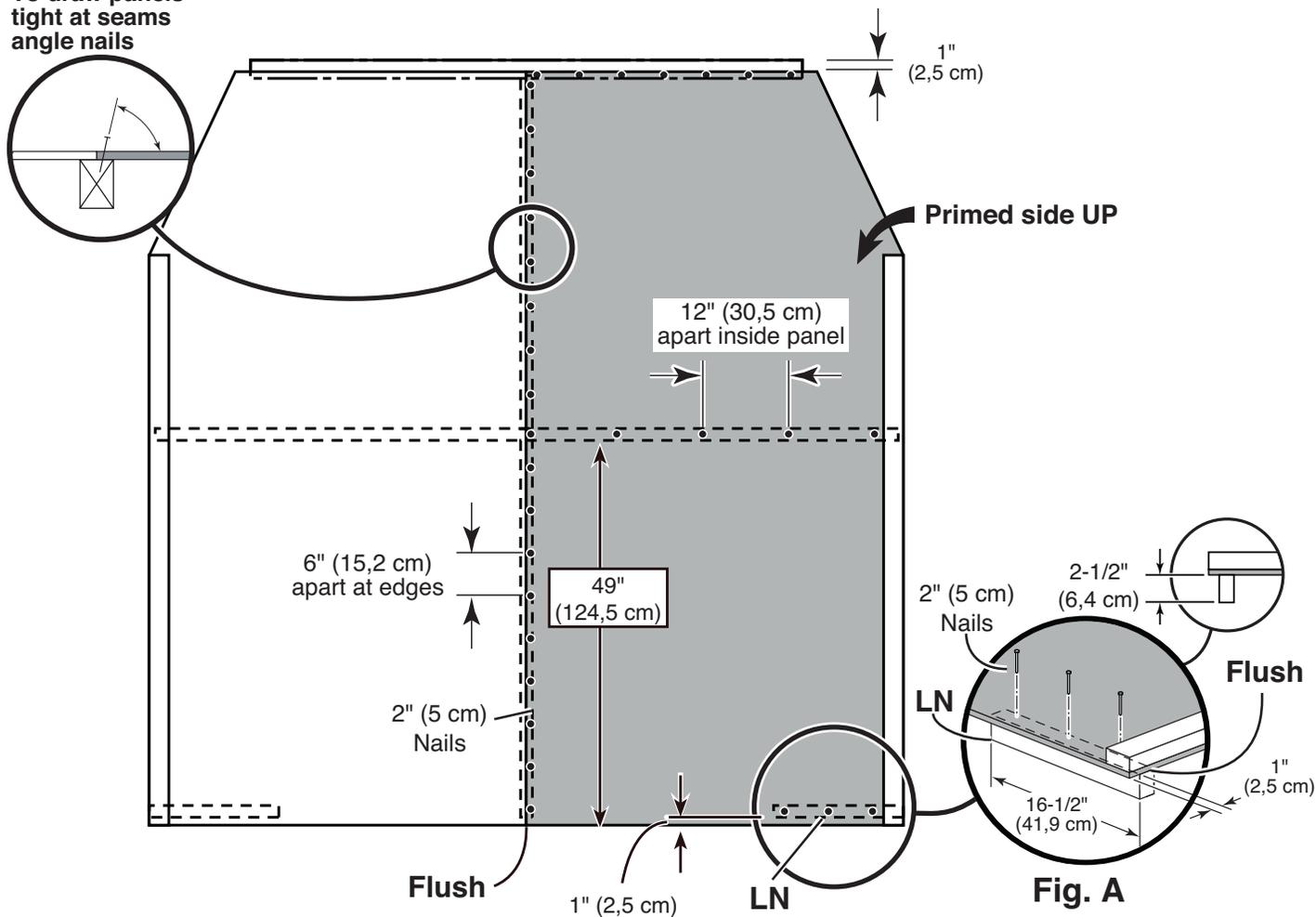
x29  2" (5 cm)



- 5 Place right panel on back frame as shown with primed side facing up.
- 6 Secure using 2" nails 6" apart on edges and 12" apart inside panel.
- 7 Position LN as shown and secure using three 2" Nails. **(Fig. A)**

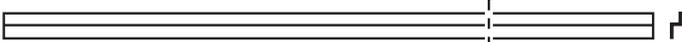


To draw panels tight at seams  
angle nails

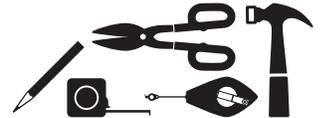


# BACK WALL PANELS

## PARTS REQUIRED:

x1  96" (244 cm) Z-STRIP - Cut to 70-1/4" (178 cm) length

x14  2" (5 cm)

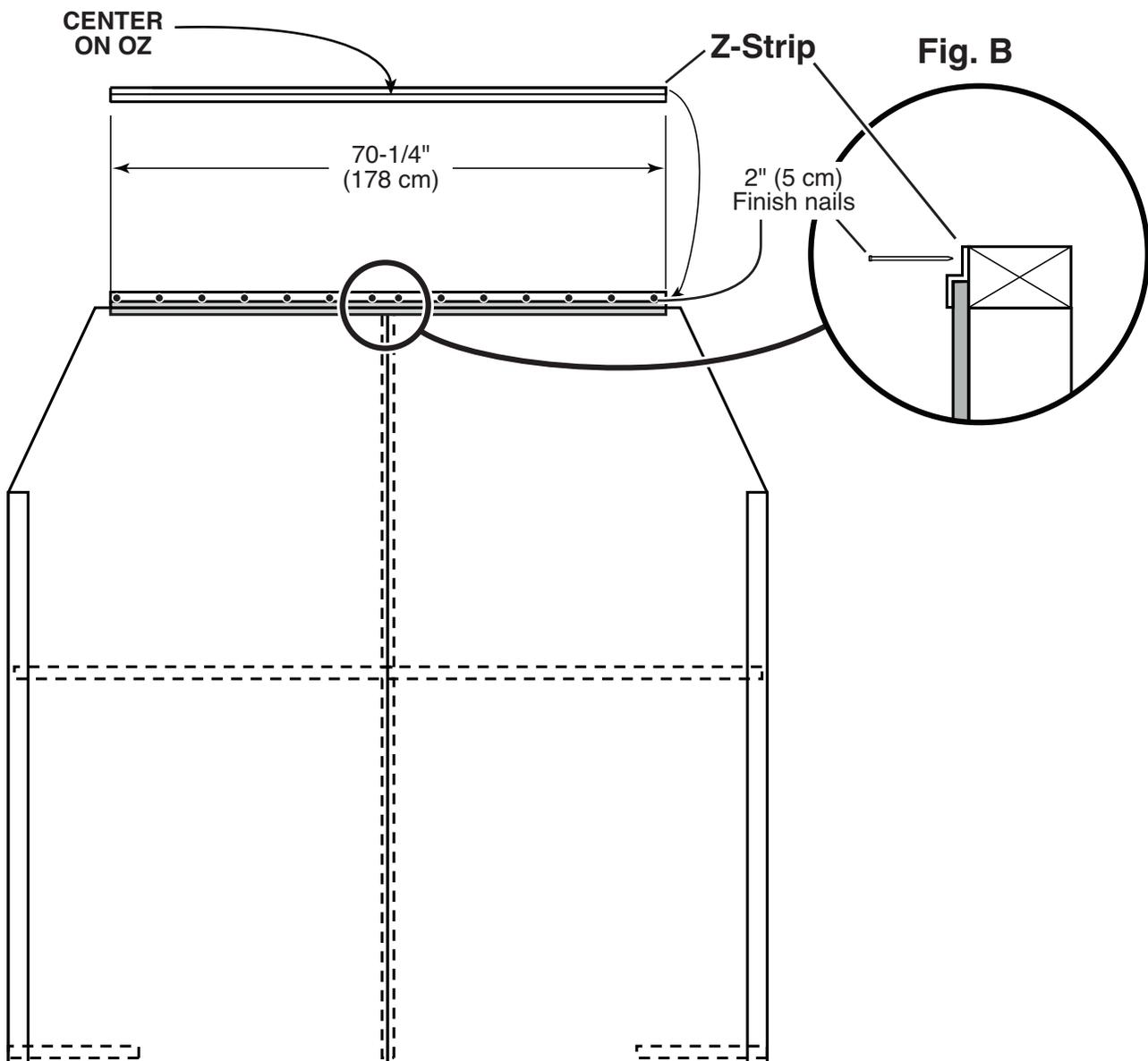
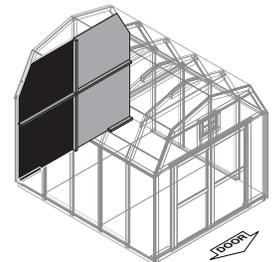


8 Measure and cut Z-strip to 70-1/4" (178,4 cm) length. Center Z-Strip on OZ.

9 Secure using 2" finish nails 6" apart. (Fig. B)



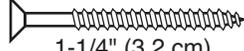
10 You have finished the lower back wall.

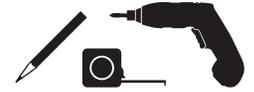
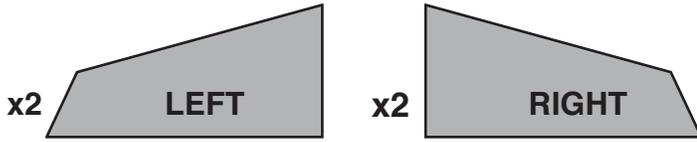


# GABLE PANELS AND TRIM

## PARTS REQUIRED:

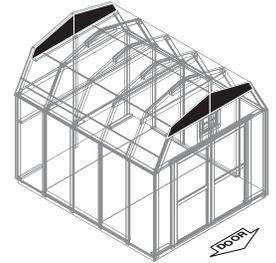
x4 **NX** 2 x 3 x 35-7/16" (5 x 7,6 x 90 cm)

x24  1-1/4" (3,2 cm)



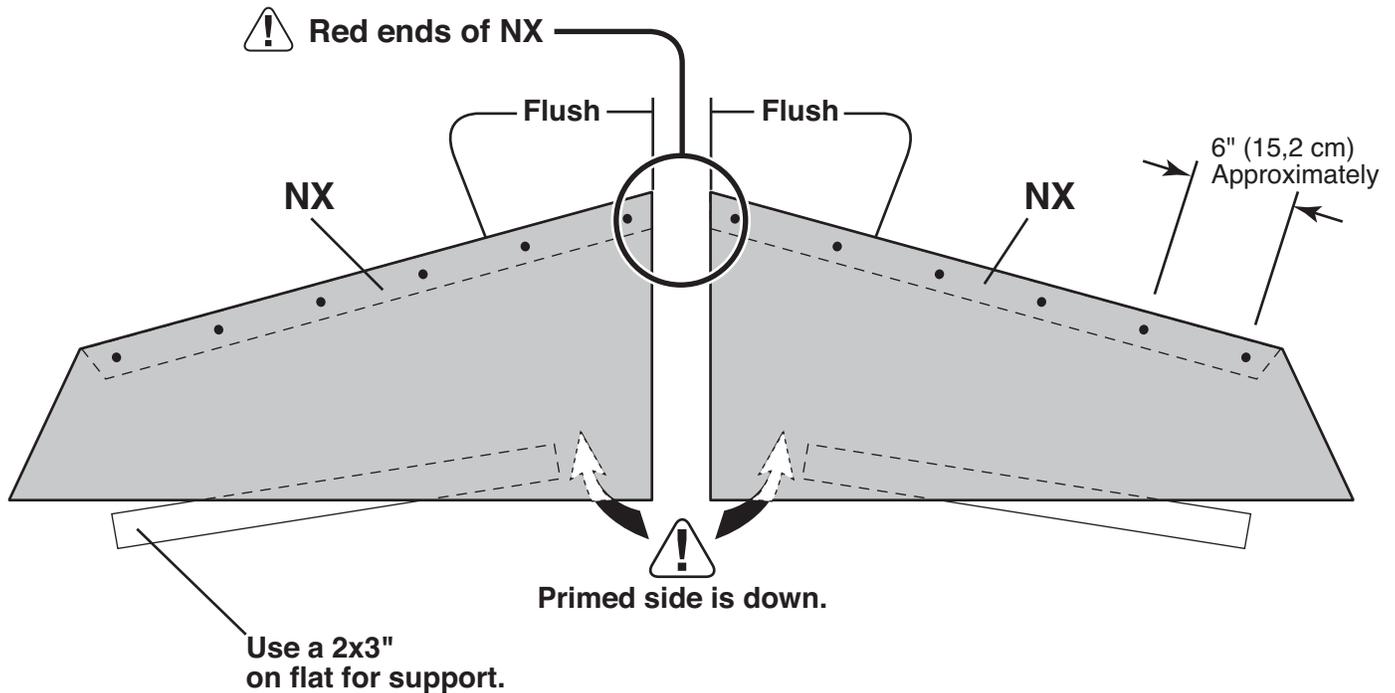
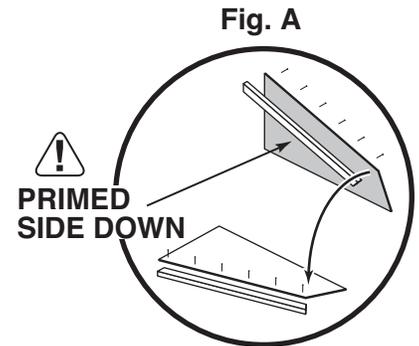
### ✓ BEGIN

- 1 You will be attaching trim **NX** from the backside of the gable panels (**Fig. A**). You will assemble **TWO RIGHT** and **TWO LEFT** assemblies.
- 2 Place trim **NX** on floor. ⚠ **Orient red ends to top.**
- 3 Place a left or right gable panel onto trim **primed side down** (**Fig.A**).
- 4 Locate trim **NX** flush to edges and secure with six 1-1/4" screws 6" apart.
- 5 Repeat steps 1-4 to assemble two left and two right assemblies.



### 🏁 FINISH

- 6 You have finished building two sets of gable panel assemblies. Set one left and one right aside. Continue building your back wall.



# BACK WALL GABLE PANELS

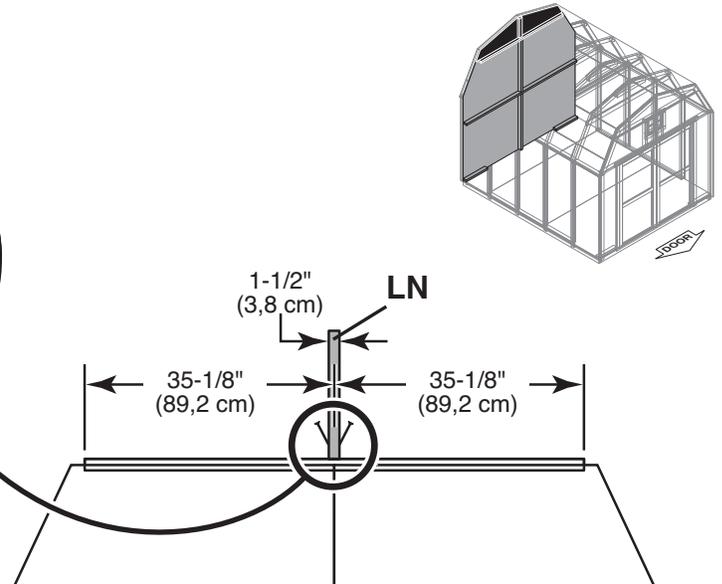
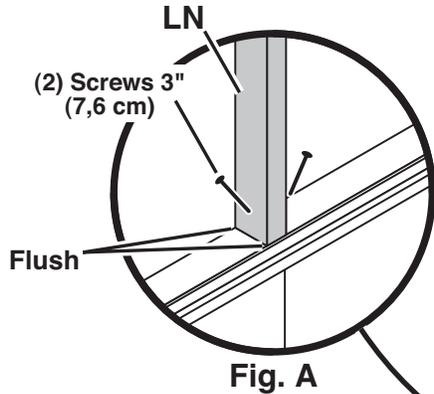
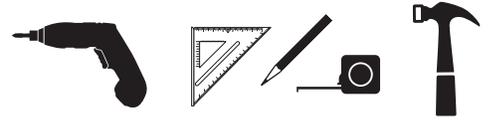
## PARTS REQUIRED:

x1 **LN**  
2 x 3 x 16-1/2" (5 x 7,6 x 41,9 cm)

**GAA**  
3/4" GAUGE  
BLOCK

x2 3" (7,6 cm)  
x16 2" (5 cm)

x1 **LEFT** Pre-assembled      x1 **RIGHT** Pre-assembled



✓ **BEGIN**

- Center **LN** on edge onto **wall frame** and secure using two 3" screws (**Fig. A**).

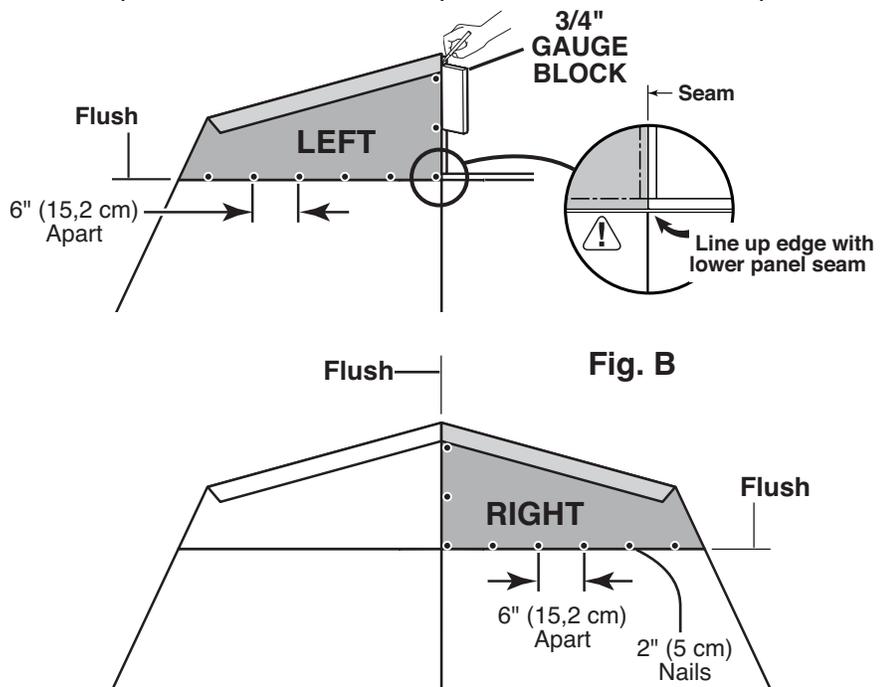
- Place the left gable panel primed side up onto Z-strip and **LN**.

Make sure edge of panel lines up with seam (**Fig. B**). Use a 3/4" gauge block at inside edge of gable panel on **LN**.

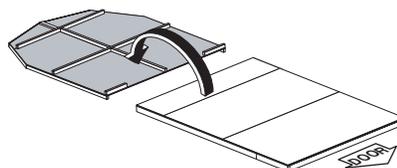
Secure using 2" nails, 6" apart.

- Place right gable panel primed side up onto Z-strip and **LN**, and flush to left gable panel.

Nail with 2" nails 6" apart.



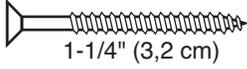
Carefully flip the back wall off the floor.



# BACK WALL GABLE TRIM

## PARTS REQUIRED:

x2 **NY**  
2 x 3 x 34-1/8" (5 x 7,6 x 86,7 cm)

x14   
1-1/4" (3,2 cm)

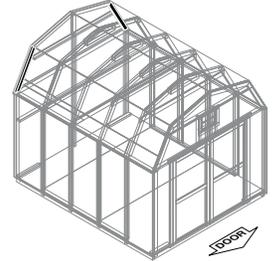


**4** Place **NY** onto backwall between existing trim, and secure from inside with 1-1/4" screws, 6" apart.

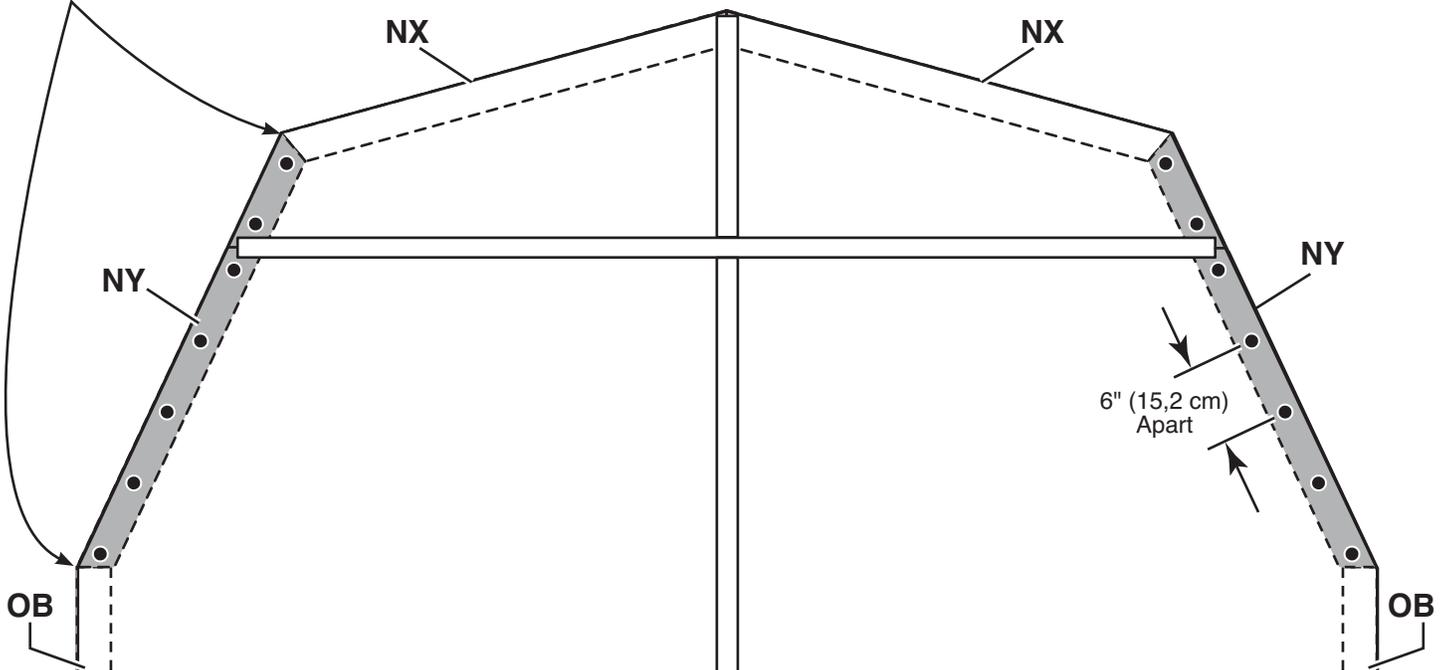


**FINISH**

**5** You have finished building your backwall.

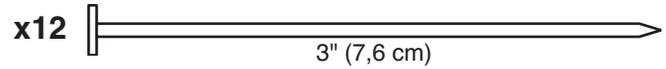


Two points contact each other



# FRONT WALL FRAME

## PARTS REQUIRED:



x1 **LG**  
2 x 3 x 12-1/4" (5 x 7,6 x 31 cm)

x2 **NZ**  
2 x 3 x 22-7/8" (5 x 7,6 x 58,1 cm)

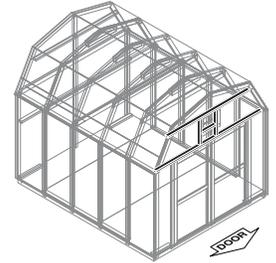
x1 **OZ**  
2 x 3 x 70-1/4" (5 x 7,6 x 178,4 cm)

x1 **PS**  
2 x 3 x 91" (5 x 7,6 x 231,1 cm)

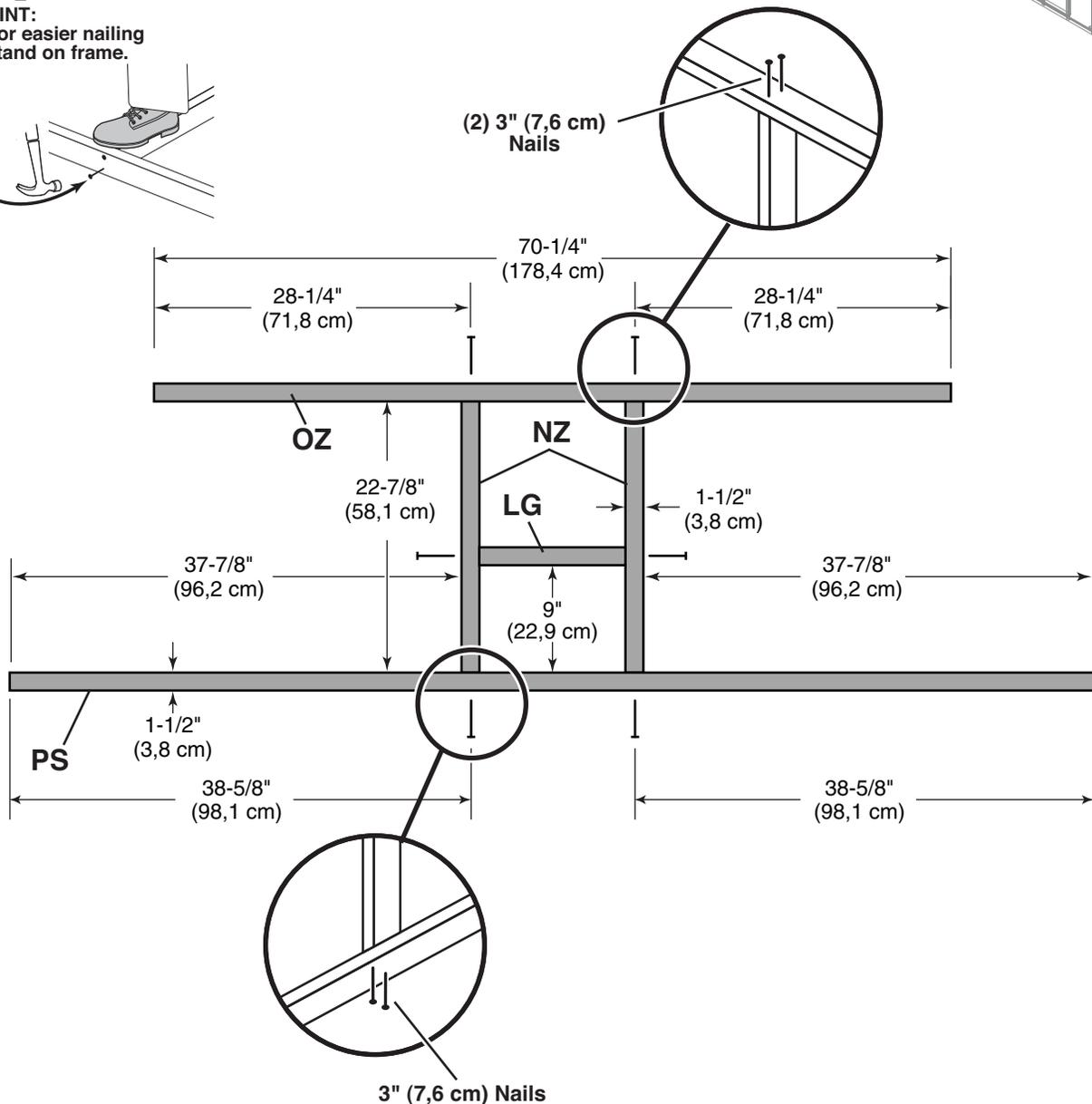
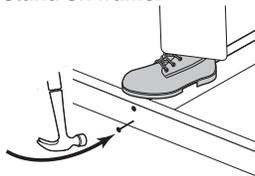


### ✓ BEGIN

- 1 Orient parts on edge on floor as shown. Measure and mark.
- 2 Nail using two 3" nails at each connection.

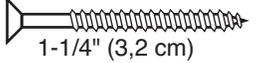


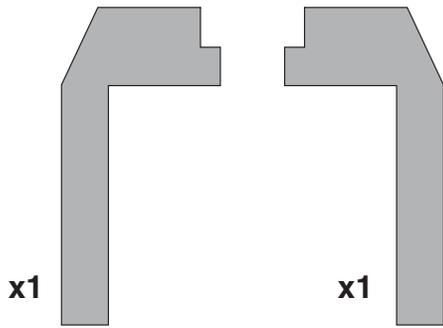
**HINT:**  
For easier nailing  
stand on frame.



# FRONT WALL PANELS

## PARTS REQUIRED:

x24  1-1/4" (3,2 cm)

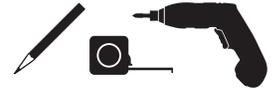


x1

x1

x2

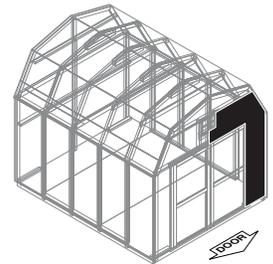
**OB**  
2 x 3 x 72-5/8" (5 x 7,6 x 184,5 cm)



 You will build ONE LEFT and ONE RIGHT front wall panel.

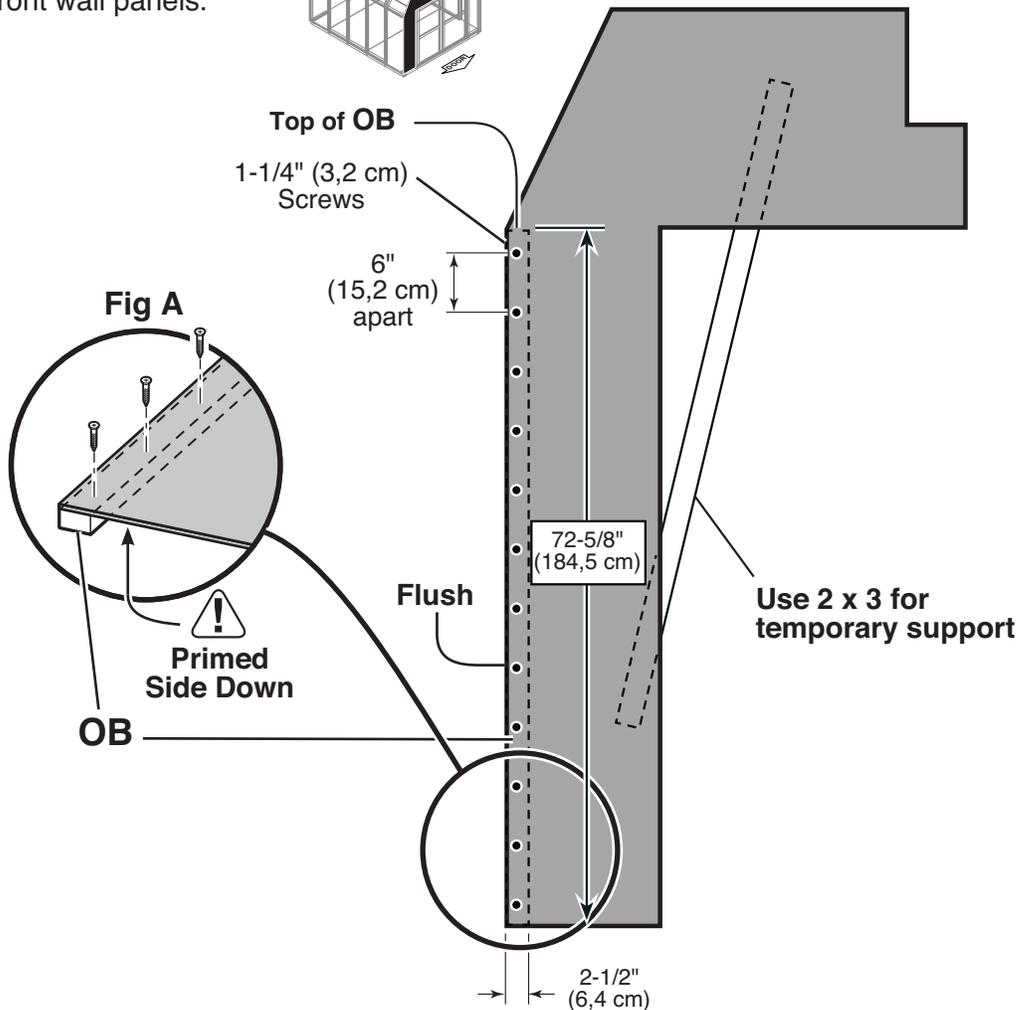
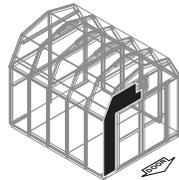
### ✓ BEGIN

- 1  Place **OB** on floor.  Place the right front wall panel primed side down onto **OB** (Fig. A) 72-5/8" (184,5 cm) from bottom and flush to outside panel edge as shown.
- 2 Secure flush to edge using twelve 1-1/4" (3,2 cm) screws 6" apart.
- 3 Repeat Steps 1-2 to assemble the left front wall panel.



### FINISH

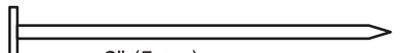
- 4 You have finished building your front wall panels.



# FRONT WALL PANELS

## PARTS REQUIRED:

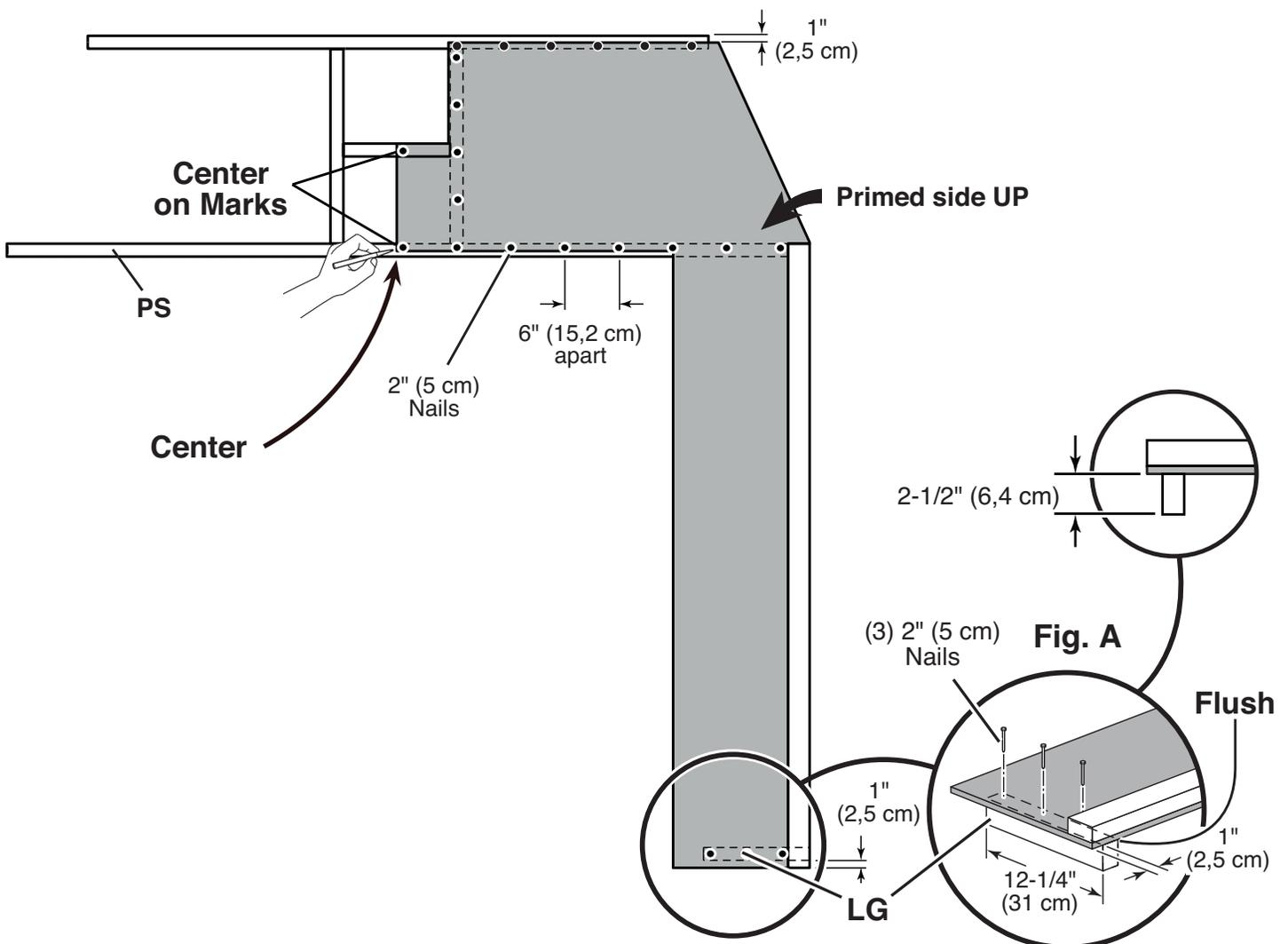
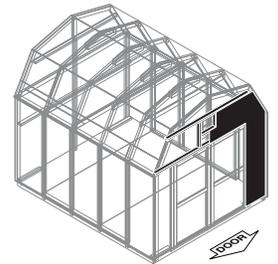
x1 **LG**  
2 x 3 x 12-1/4" (5 x 7,6 x 31 cm)

x22  2" (5 cm)



### ✓ BEGIN

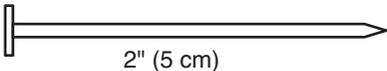
- 1 Measure and mark to center of **PS**.
- 2 Place right panel **CENTERED** on marks on front frame as shown with primed side facing up.
- 3 Secure panel using nineteen 2" Nails
- 4 Position **LG** on edge as shown and secure using three 2" Nails. (**Fig. A**)



# FRONT WALL PANELS

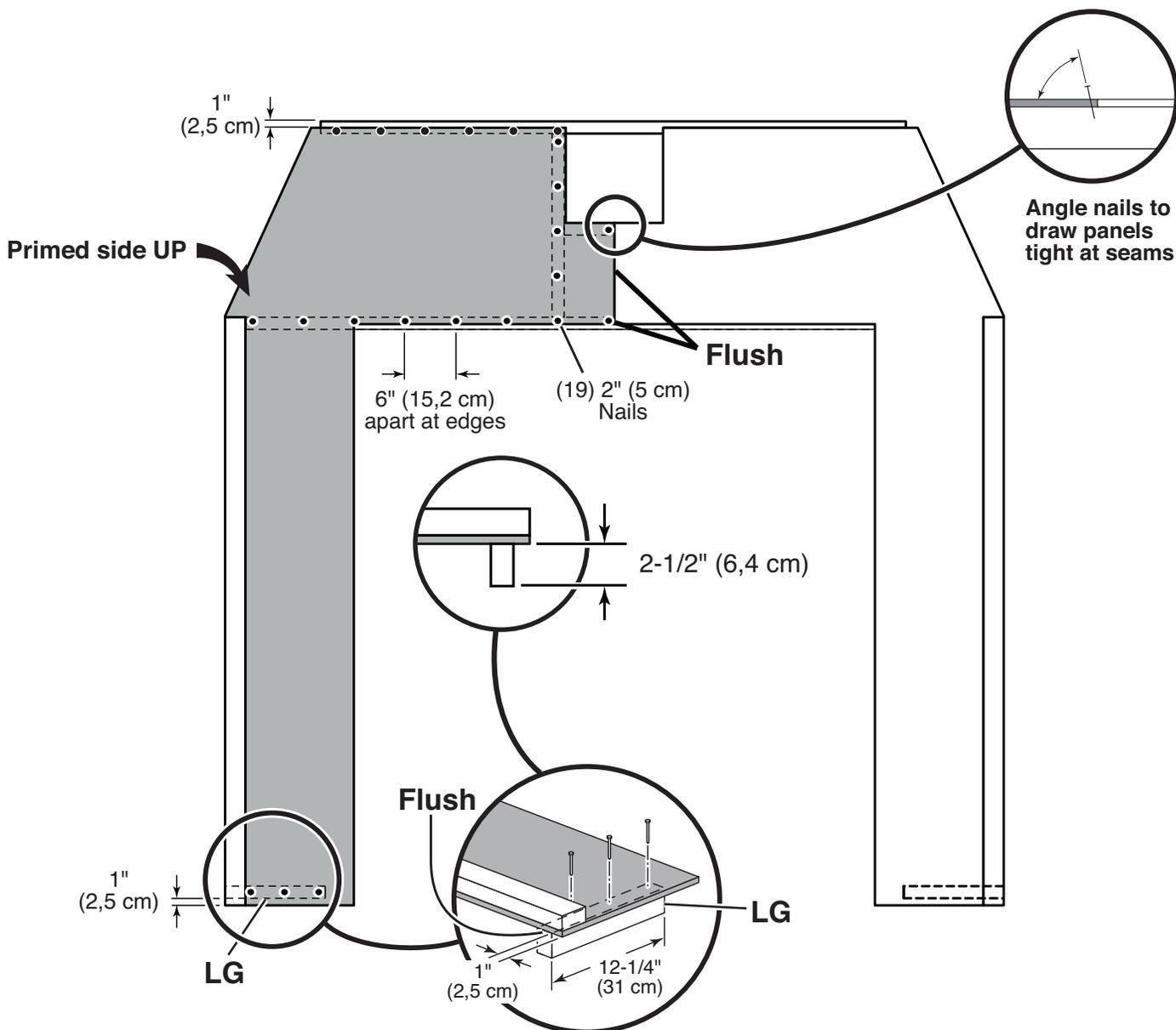
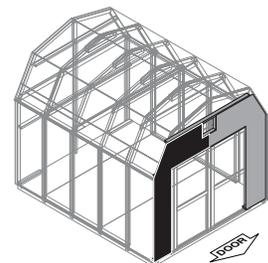
## PARTS REQUIRED:

x1 **LG**  
2 x 3 x 12-1/4" (5 x 7,6 x 31 cm)

x22  2" (5 cm)



- 5 Place left panel on front frame flush to right panel as shown with primed side facing up.
- 6 Repeat Steps 3-4.



# FRONT WALL PANELS

## PARTS REQUIRED:

x1   
96" (244 cm) **Z-STRIP** - Cut into two 29" (73,7 cm) lengths

x12   
2" (5 cm)

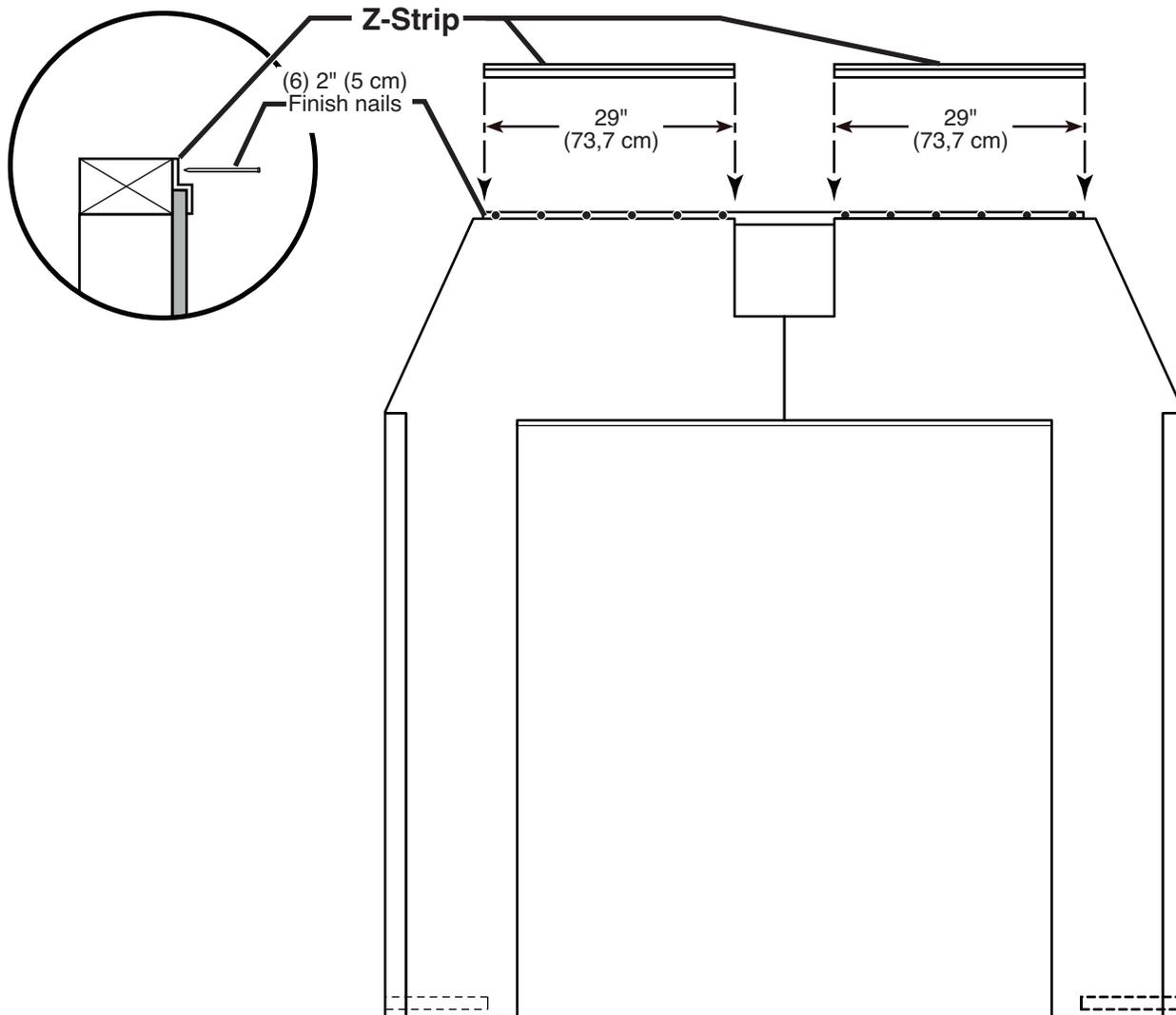
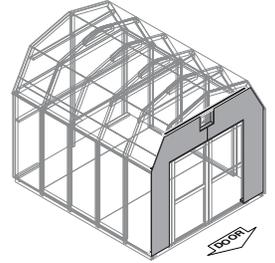


**7** Measure and cut Z-Strip into two 29" lengths.

**8** Position Z-strip as shown. Secure Z-strips using six 2" finish nails 6" apart. **(Fig. A)**



**9** You have finished the lower front wall.

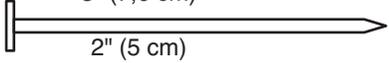


# FRONT WALL GABLE PANELS

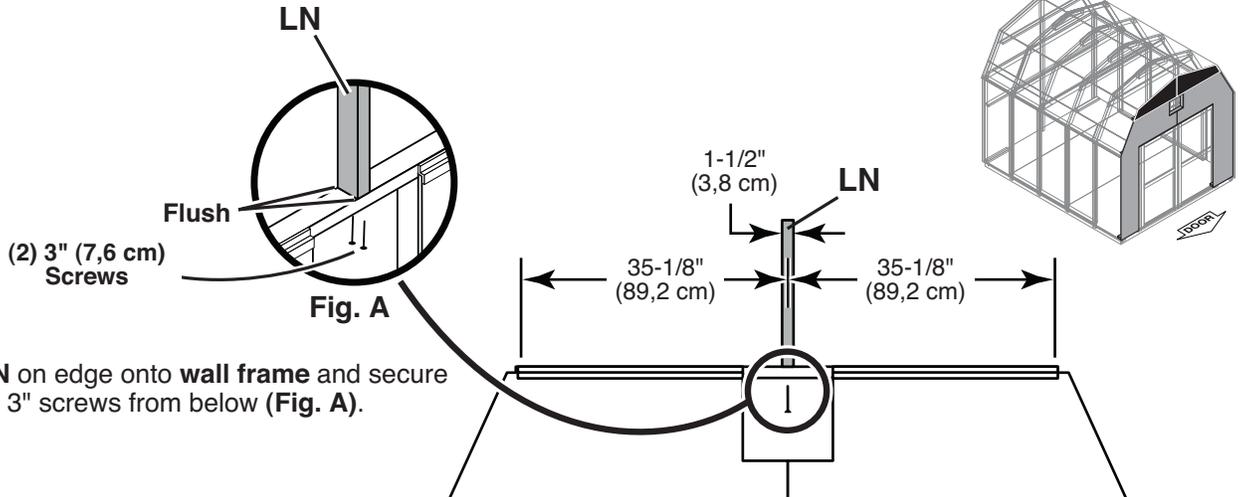
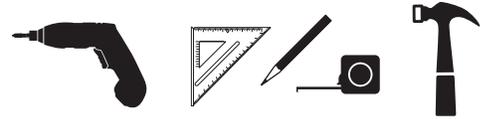
## PARTS REQUIRED:

x1 **LN**  
2 x 3 x 16-1/2" (5 x 7,6 x 41,9 cm)

**GAA**  
3/4" GAUGE  
BLOCK

x2  3" (7,6 cm)  
x16  2" (5 cm)

x1 **LEFT** Pre-assembled **RIGHT** Pre-assembled



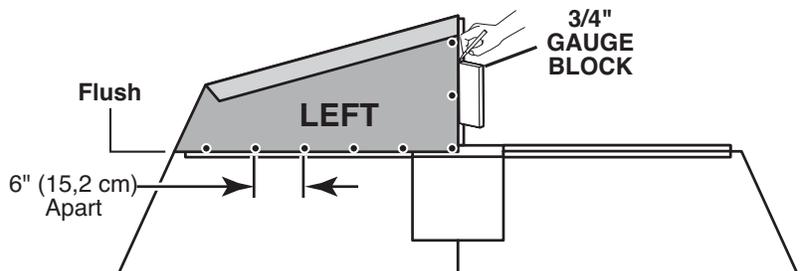
✓ **BEGIN**

**1** Center LN on edge onto wall frame and secure using two 3" screws from below (Fig. A).

**2** Place the left gable panel primed side up onto Z-strip and LN.

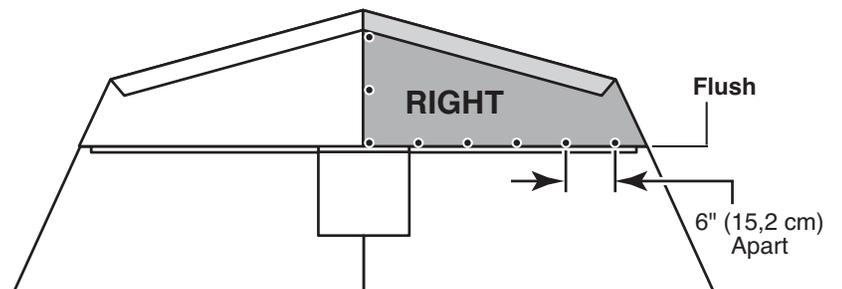
Use a 3/4" gauge block at inside edge of gable panel on LN.

Secure using 2" nails, 6" apart.

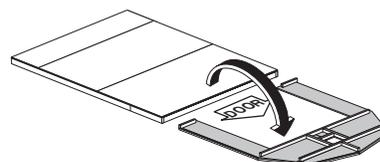


**3** Place right gable panel primed side up onto wall frame and Z-strip and onto LN and flush to left gable panel.

Nail with 2" nails 6" apart.



Carefully flip the front wall off the floor.



# FRONT WALL GABLE TRIM

## PARTS REQUIRED:

x2 **NY**  
2 x 3 x 34-1/8" (5 x 7,6 x 86,7 cm)

x14  
1-1/4" (3,2 cm)

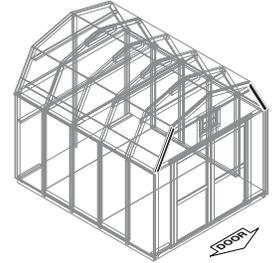


**4** Place **NY** onto front wall between existing trim, and secure from inside with 1-1/4" screws 6" apart.

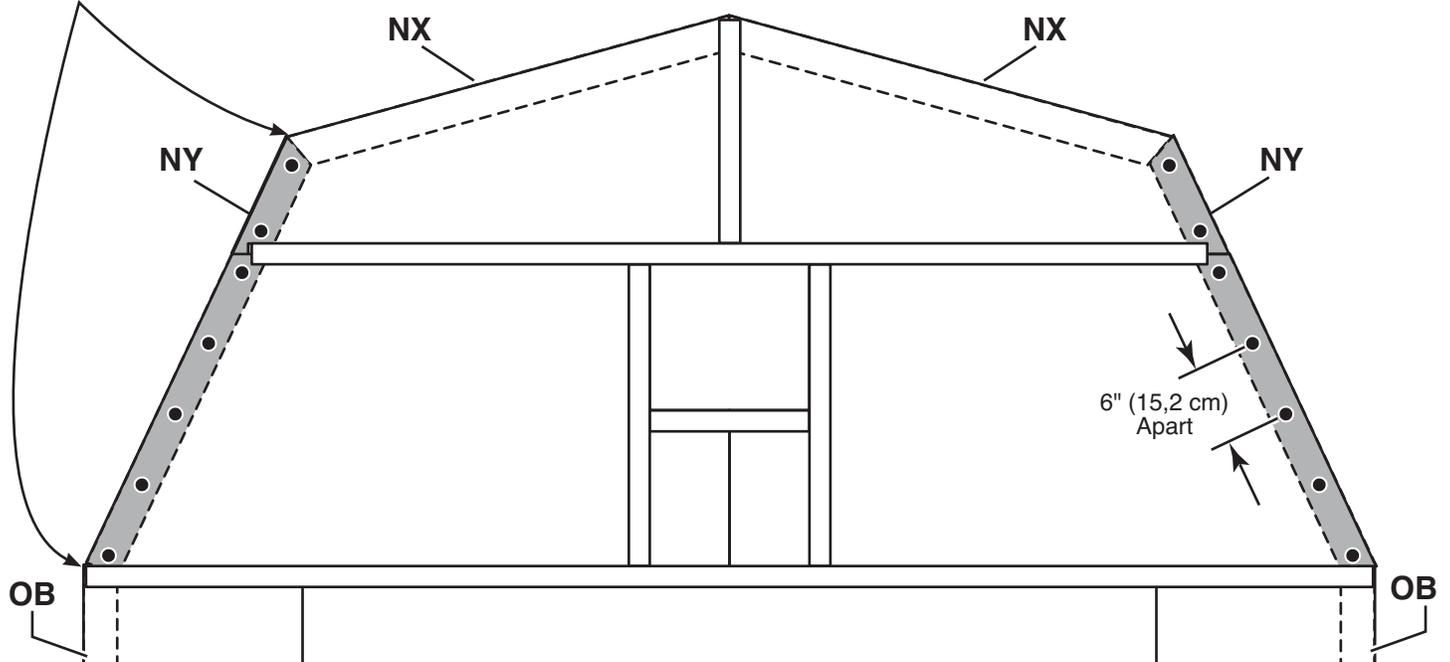


**FINISH**

**5** You have finished building your front wall.



Two points contact each other



# SIDE WALL FRAMES

## PARTS REQUIRED:

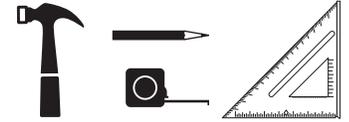
x2 **NH**  
2 x 3 x 46-1/4" (5 x 7,6 x 117,5 cm)

x8 **OVA**  
2 x 3 x 69-13/16" (5 x 7,6 x 177,3 cm)

x2 **OZ**  
2 x 3 x 70-1/4" (5 x 7,6 x 178,4 cm)

x2  
7/16 x 2-1/2 x 73-1/2" (1.1 x 7,6 x 186,7 cm)

x20 3" (7,6 cm)  
x16 2" (5 cm)



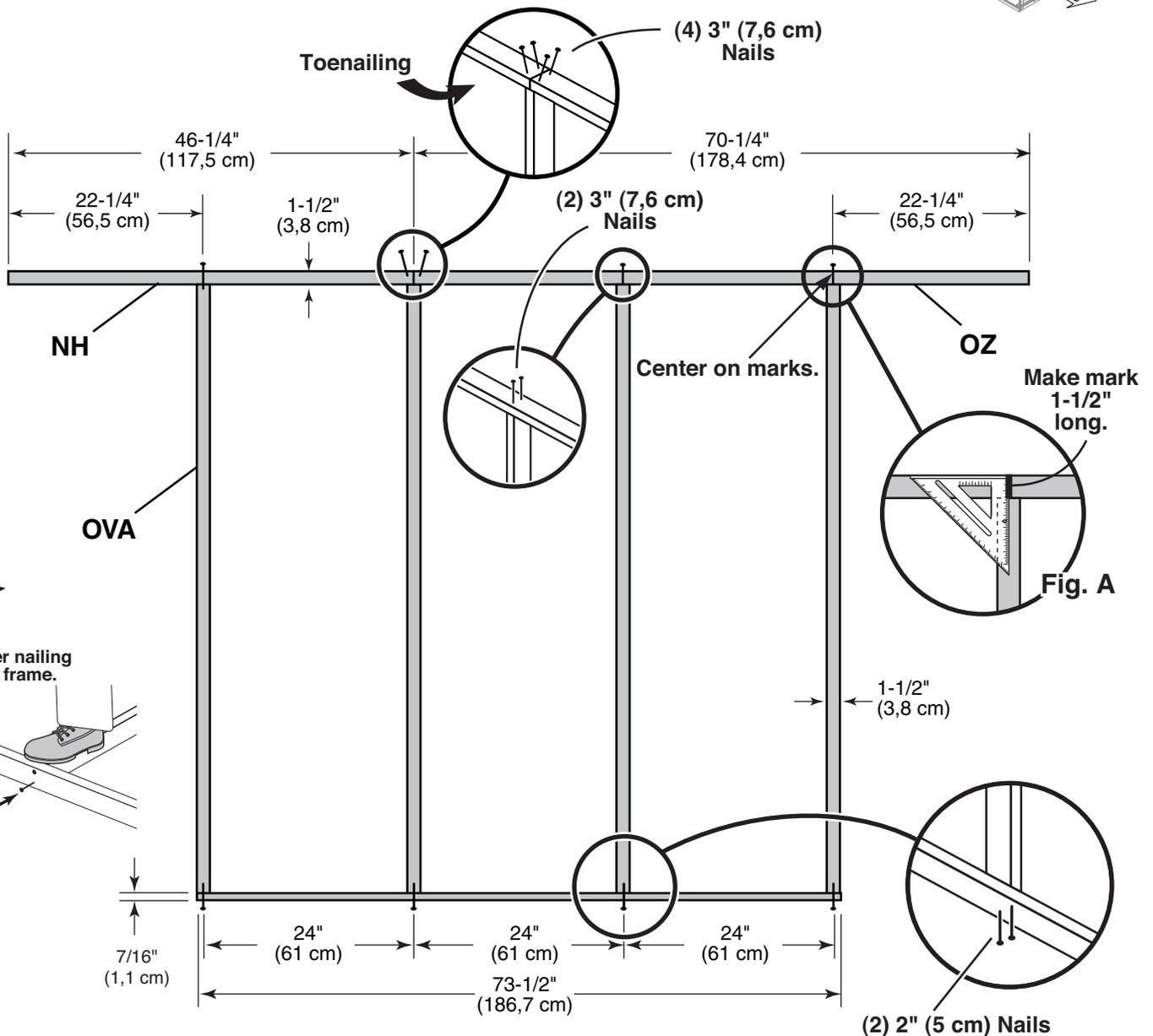
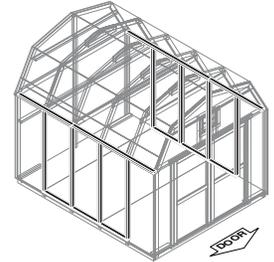
### ✓ BEGIN

- 1 Orient parts on edge on floor. Measure and mark from end of boards (**Fig A**). Make marks 1-1/2" long. They will be used later.

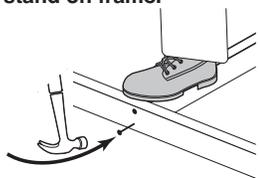


**IMPORTANT! You will build two walls the same.**

- 2 Use two 3" nails at each mark, and toenail at seam.
- 3 You have finished building one side wall frame. Proceed to attach wall panels.

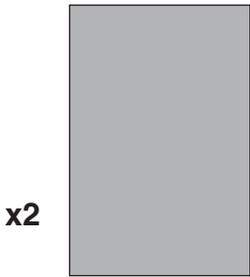


**HINT:**  
For easier nailing  
stand on frame.



# SIDE WALL PANELS

## PARTS REQUIRED:

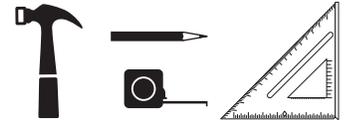
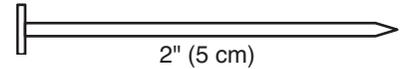


x2

3/8 x 48 x 72"  
(1 x 122 x 182,9 cm)



x33



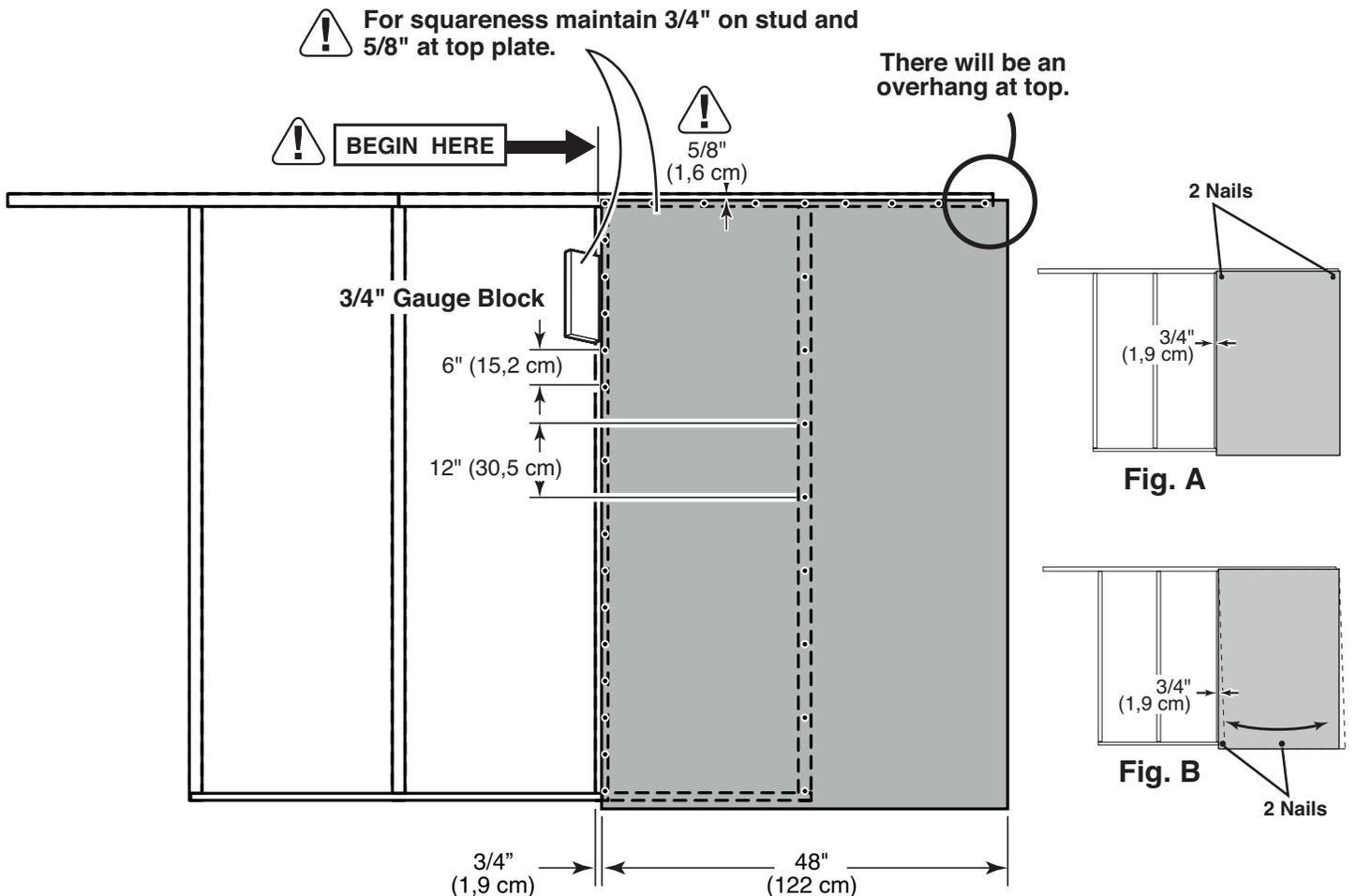
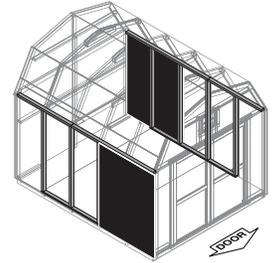
Ensure your wall frame is square by installing one panel and squaring frame.

- 4 Place the 48 x 72" panel onto wall frame 5/8" from the top of frame with primed side up as shown.

Use the gauge block to mark the 3/4" measurement on the wall stud. Secure panel with two 2" nails in the top corners (Fig. A).

- 5 Move to the opposite end. Move the studs side-to-side until you have a 3/4" measurement on the wall stud. Secure corner with a 2" nail. Move stud under center of panel to correct dimension and secure with a 2" nail.

- 6 Nail the panel using 2" nails 6" apart on edges and 12" apart inside panel.

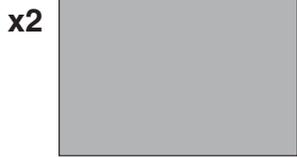


# SIDE WALL PANELS

## PARTS REQUIRED:

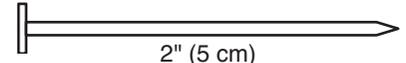


3/8 x 23-7/8 x 72"  
(1 x 60,6 x 182,9 cm)

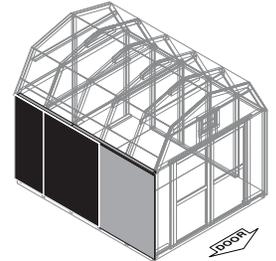


3/8 x 48 x 72"  
(1 x 122 x 182,9 cm)

x70

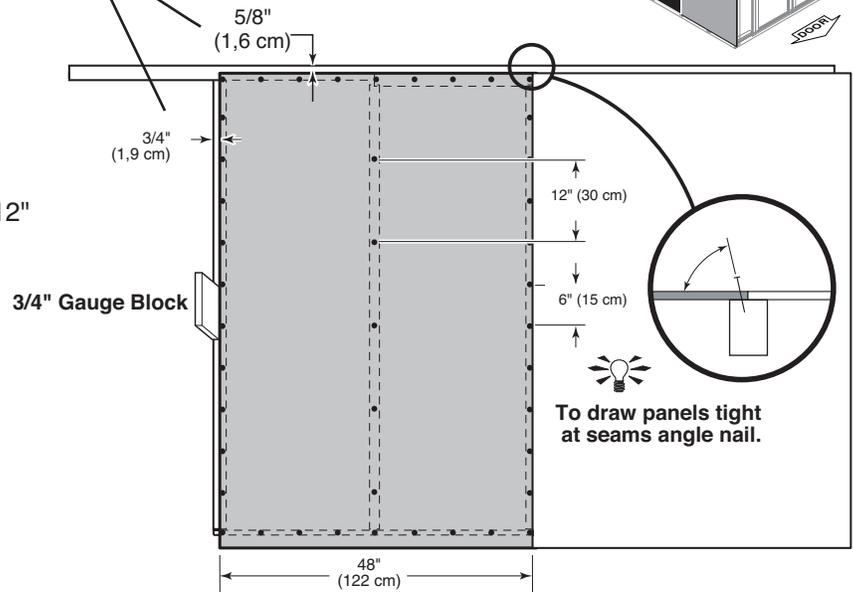


 For squareness maintain 3/4" 5/8" measurement at top plate.



**7** Place 48" panel on frame as shown with primed side facing up.

Nail using 2" nails 6" apart on edges and 12" apart inside panel.

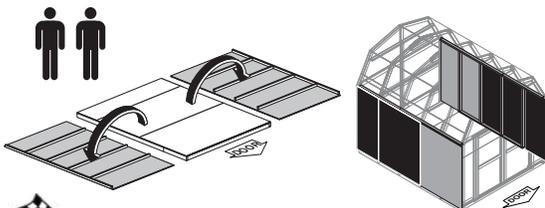
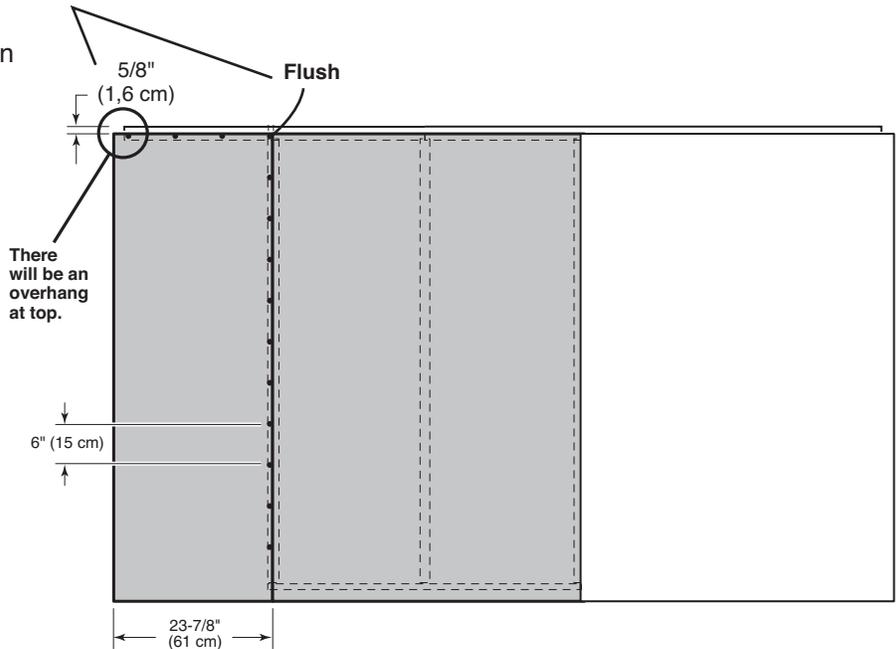


 For squareness maintain Flush and 5/8" measurement at top plate.

**8** Place 23-7/8" panel on frame as shown with primed side facing up.

Nail using 2" nails 6" apart on edges.

Carefully flip your sidewall over. Repeat **STEPS 1-8** to assemble your second side wall.



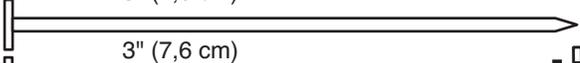
 **FINISH**

**9** You have finished building both of your side walls.

# BACK WALL INSTALLATION

## PARTS REQUIRED:

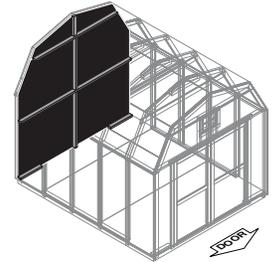
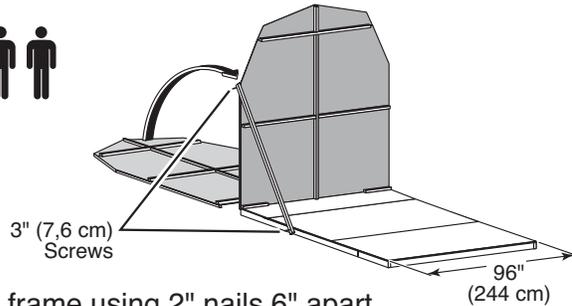
x1 **OO**  
2 x 3 x 69" (5 x 7,6 x 175,3 cm) **TEMPORARY SUPPORT**

x4  3" (7,6 cm)  
x6  3" (7,6 cm)  
x17  2" (5 cm)



### ✓ BEGIN

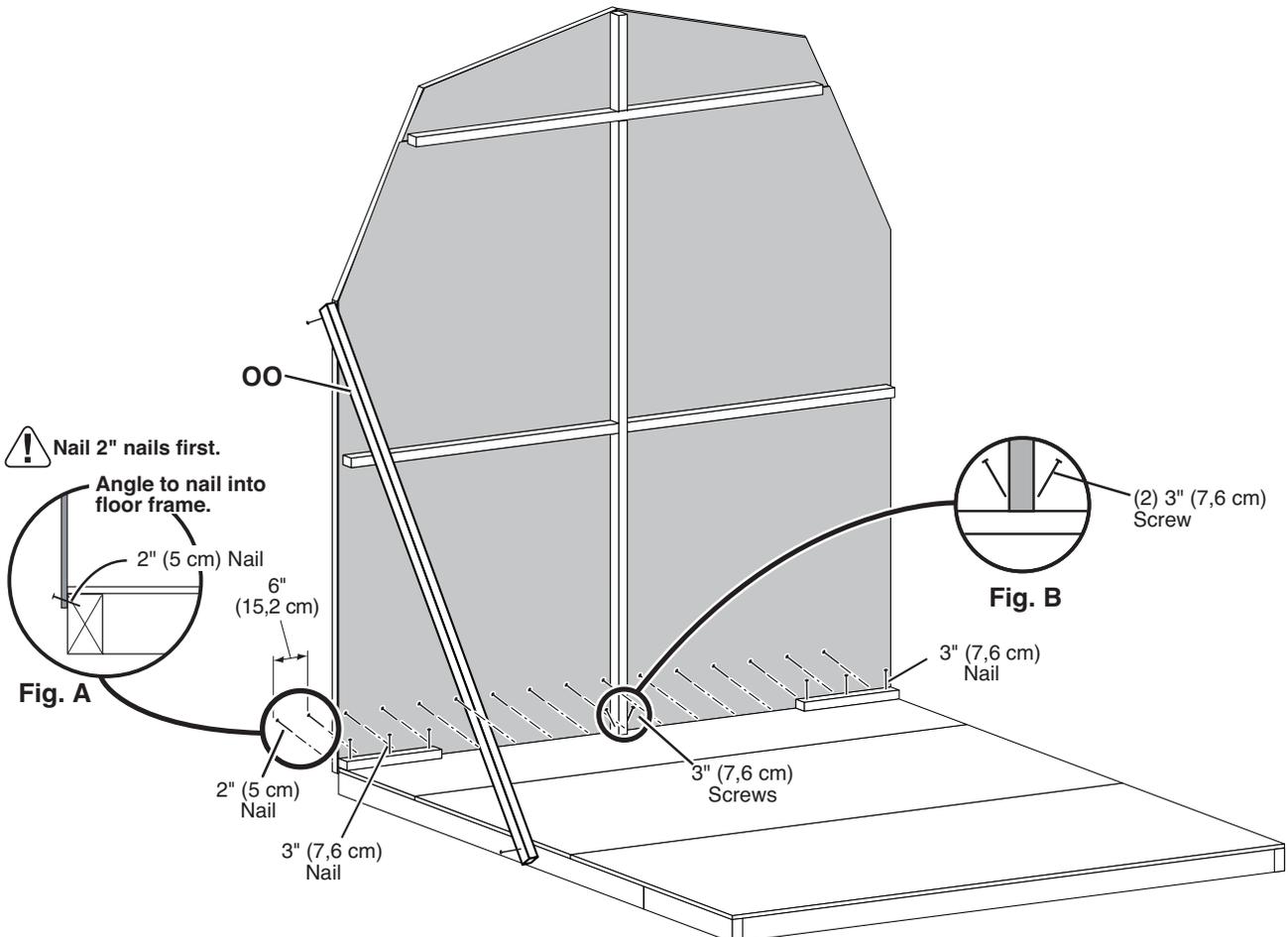
- Center back wall assembly on the 96" (244 cm) floor dimension. 
- Use **OO** as a temporary brace. Secure with two 3" screws.



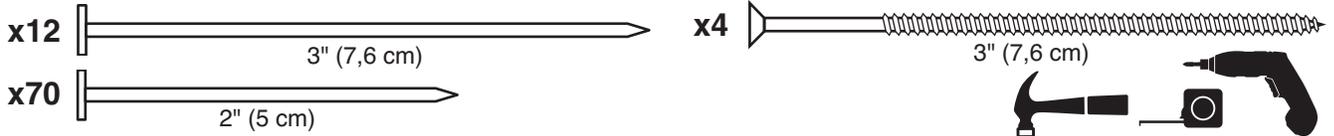
- First, nail lower edge of panel to floor frame using 2" nails 6" apart. Angle nail to hit floor frame (**Fig. A**).
- Screw back wall upright to floor using (2) 3" screws (**Fig. B**). Continue to nail (3) 3" nails through each bottom plate into floor.

### FINISH

- You have finished standing your back wall.



# SIDE WALLS INSTALLATION

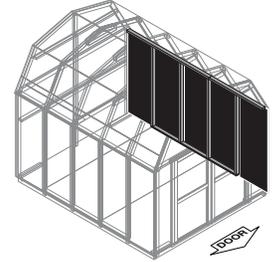


## ✓ BEGIN

Stand right side wall on floor.

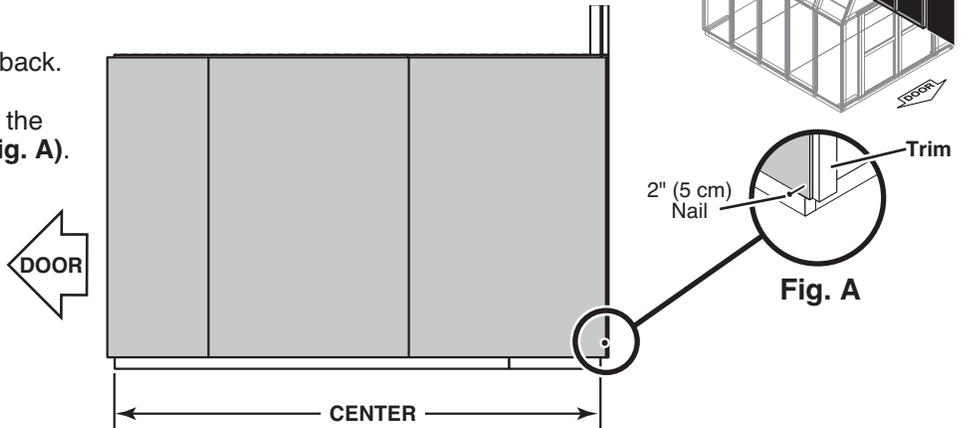


⚠ It is important to secure the side wall in the following order.



- 1 Center side wall on floor front to back.

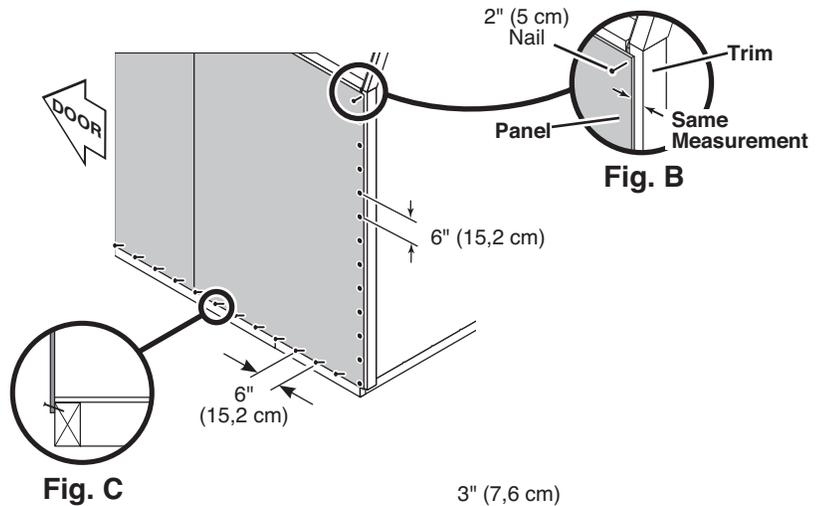
Nail the lower side wall corner to the back wall trim with one 2" nail (Fig. A).



- 2 Be sure the measurement between the panel edge and the trim is the same along the entire length. Then secure with one 2" nail in the upper corner (Fig. B).

Nail along the panel edge into the trim using 2" nails spaced 6" apart.

Nail along bottom of panel using 2" nails 6" apart. Angle nail to hit floor frame (Fig. C).

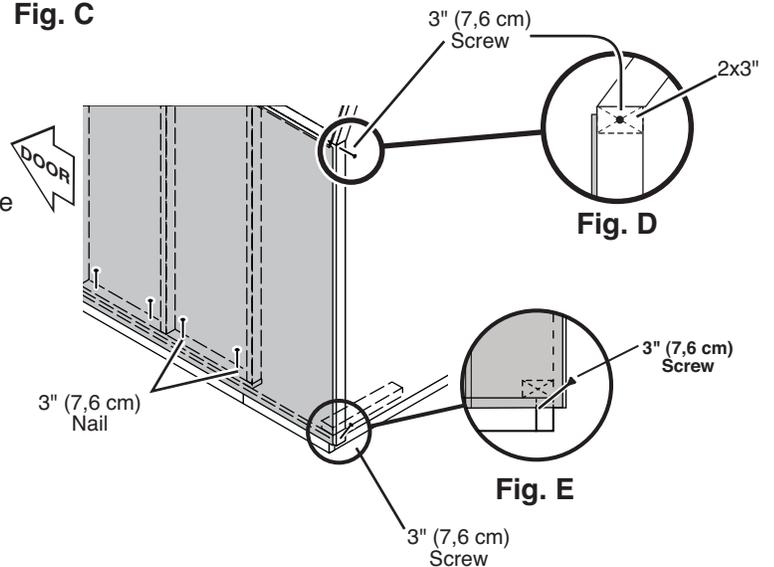
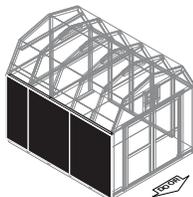


## FINISH

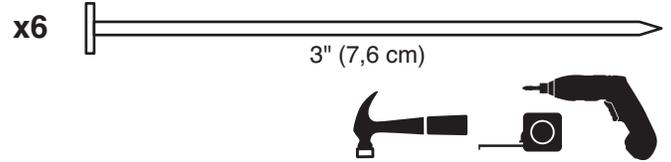
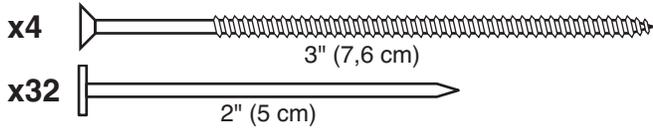
- 3 Secure the wall frames bottom plate onto floor using two 3" nails between studs.

Screw through the back wall trim into the top plate and at an angle into the floor using 3" screws (Fig. D, E).

Remove temporary brace.  
Repeat process to secure the left side wall.



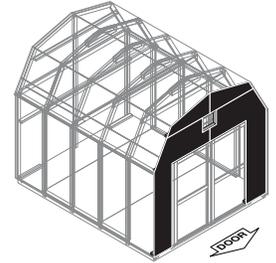
# FRONT WALL INSTALLATION



**✓ BEGIN**

Stand front wall on floor. 

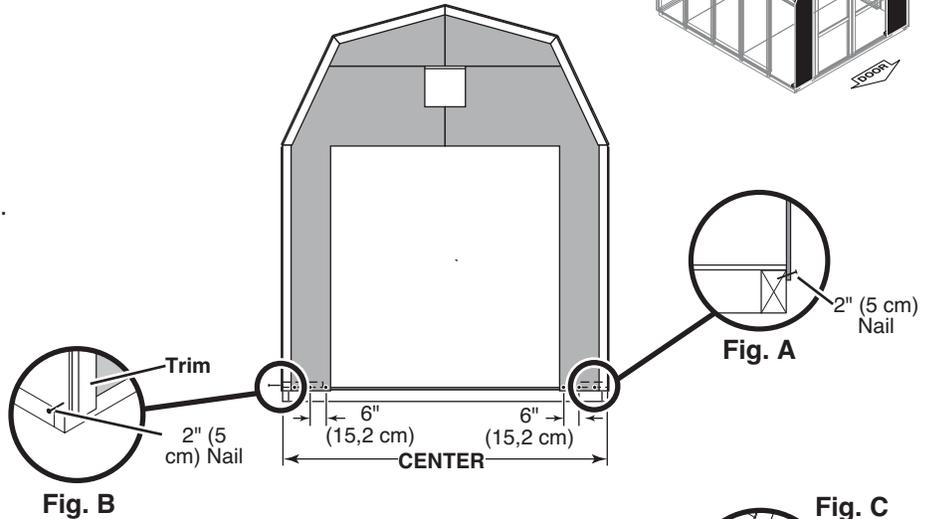
 It is important to secure the front wall in the following order.



**1** Center front wall on floor side-to-side.

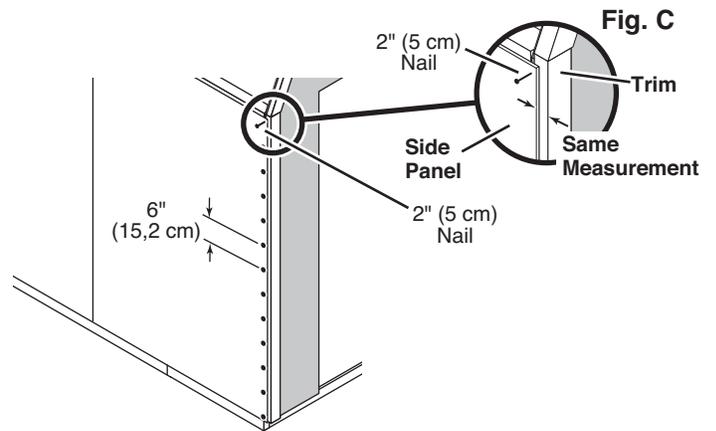
Nail the front wall flush to the floor using 2" nails 6" apart. Angle nails to hit floor frame (**Fig. A**).

Nail the lower side wall corner to the front wall trim with one 2" nail (**Fig. B**).



**2** Be sure the measurement between the panel edge and the trim is the same along the entire length. Then secure with one 2" nail in the upper corner (**Fig. C**).

Nail along the panel edge into the trim using 2" nails spaced 6" apart.

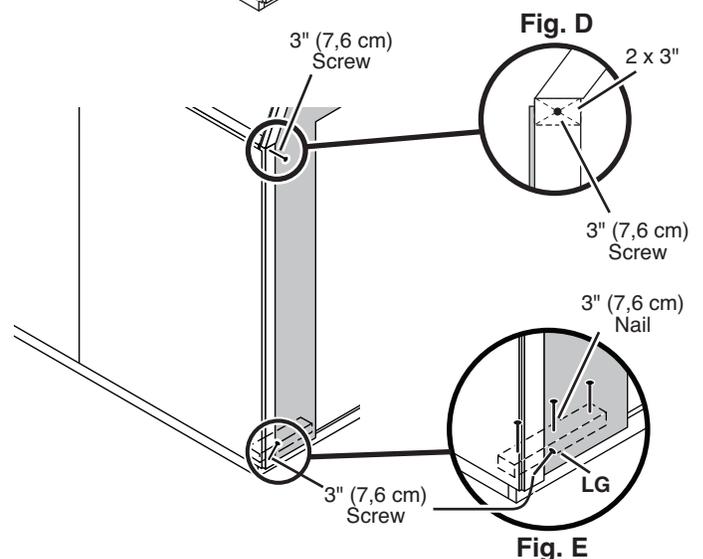


**FINISH**

**3** Secure the LN into floor using three 3" nails (**Fig. E**).

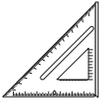
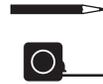
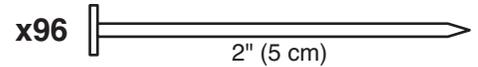
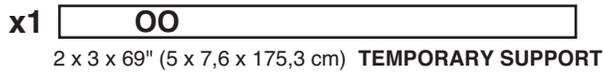
Screw through the front wall trim into the top plate and at an angle into floor using 3" screws (**Fig. D, E**).

Repeat process to secure the right side of the front wall.



# RAFTERS

## PARTS REQUIRED:

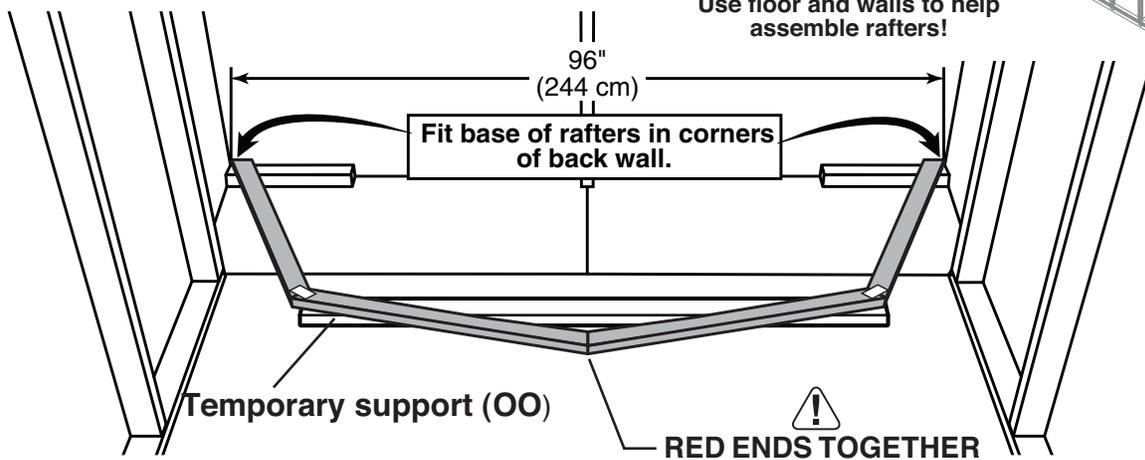


### ✓ BEGIN

- 1** You will build **FOUR** assemblies; Place two rafter-halves in the corner of back and side walls. The **RED ENDS** identify the ends to be connected at the center.



**HINT:**  
Use floor and walls to help assemble rafters!

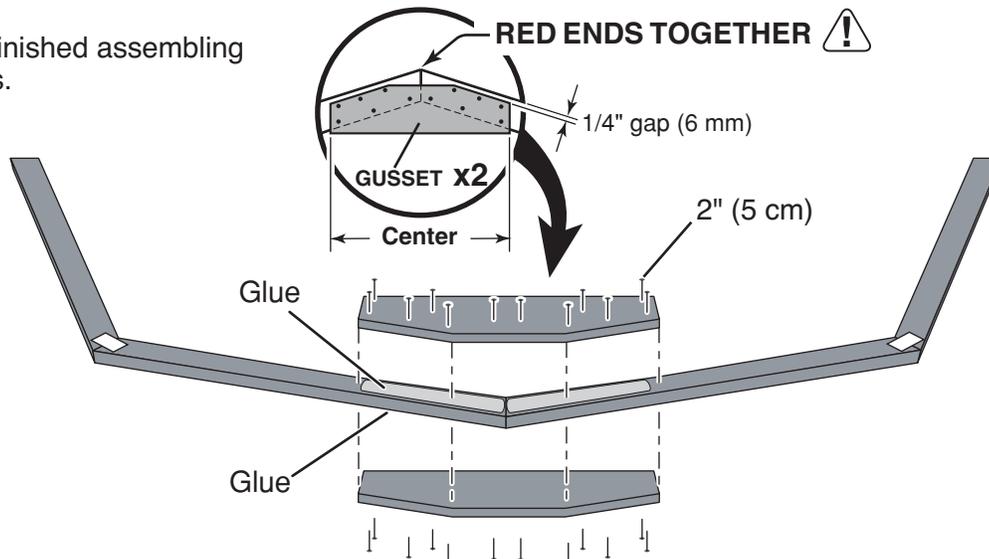


- 2** Apply glue to rafters where the gusset will fit.
- 3** **RED ENDS** of Rafters must touch together at the peak. Nail gusset to rafters using twelve 2" nails in pattern shown.
- 4** Flip over rafter assembly and repeat **STEPS 2-3** to attach second gusset to other side.
- 5** Repeat **STEPS 1-4** to build **THREE** additional rafter assemblies.



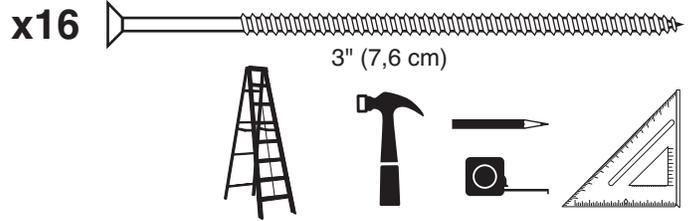
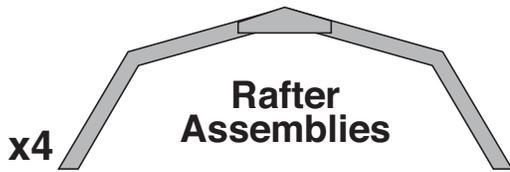
### FINISH

- 6** You have finished assembling your rafters.



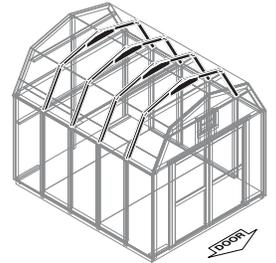
# RAFTERS

## PARTS REQUIRED:



### ✓ BEGIN

- 1 Arrange four rafters centered on the mark you made for locating the wall studs. (Fig. A). The rafters also line up directly over the wall studs.



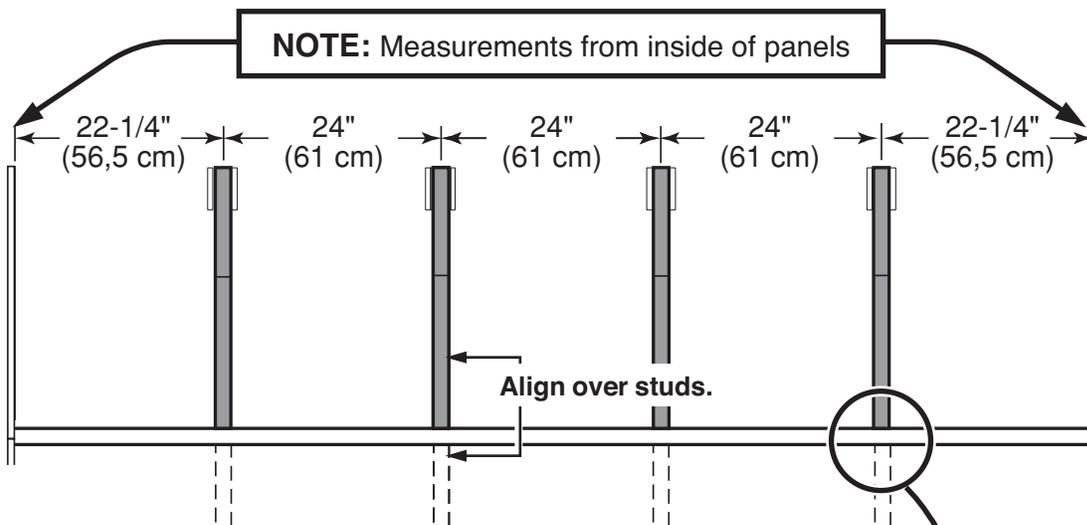
Check you have the measurements shown.

Attach with two 3" screws at each end (Fig. A).

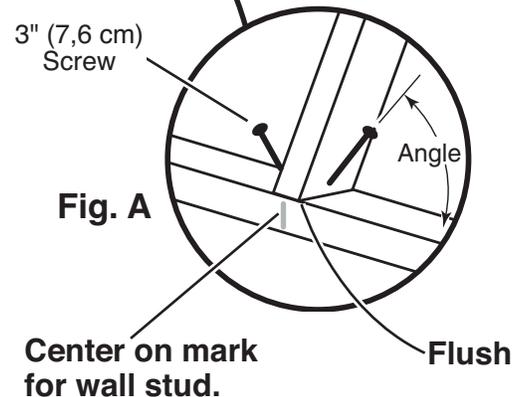


### FINISH

- 2 You have finished installing your rafters.

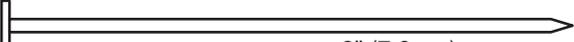


**Maintain the measurements between rafters.**

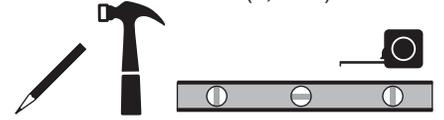


# LOFT JOISTS

## PARTS REQUIRED:

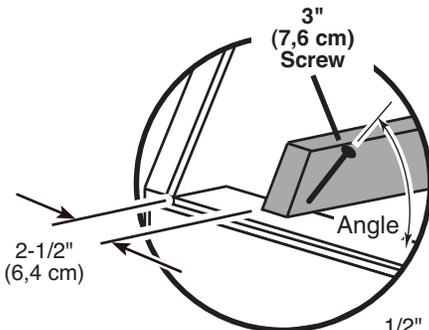
- x2  3" (7,6 cm)
- x2  3" (7,6 cm)

- x1 **VW**  
2 x 4 x 95" (5 x 10,2 x 241,3 cm)

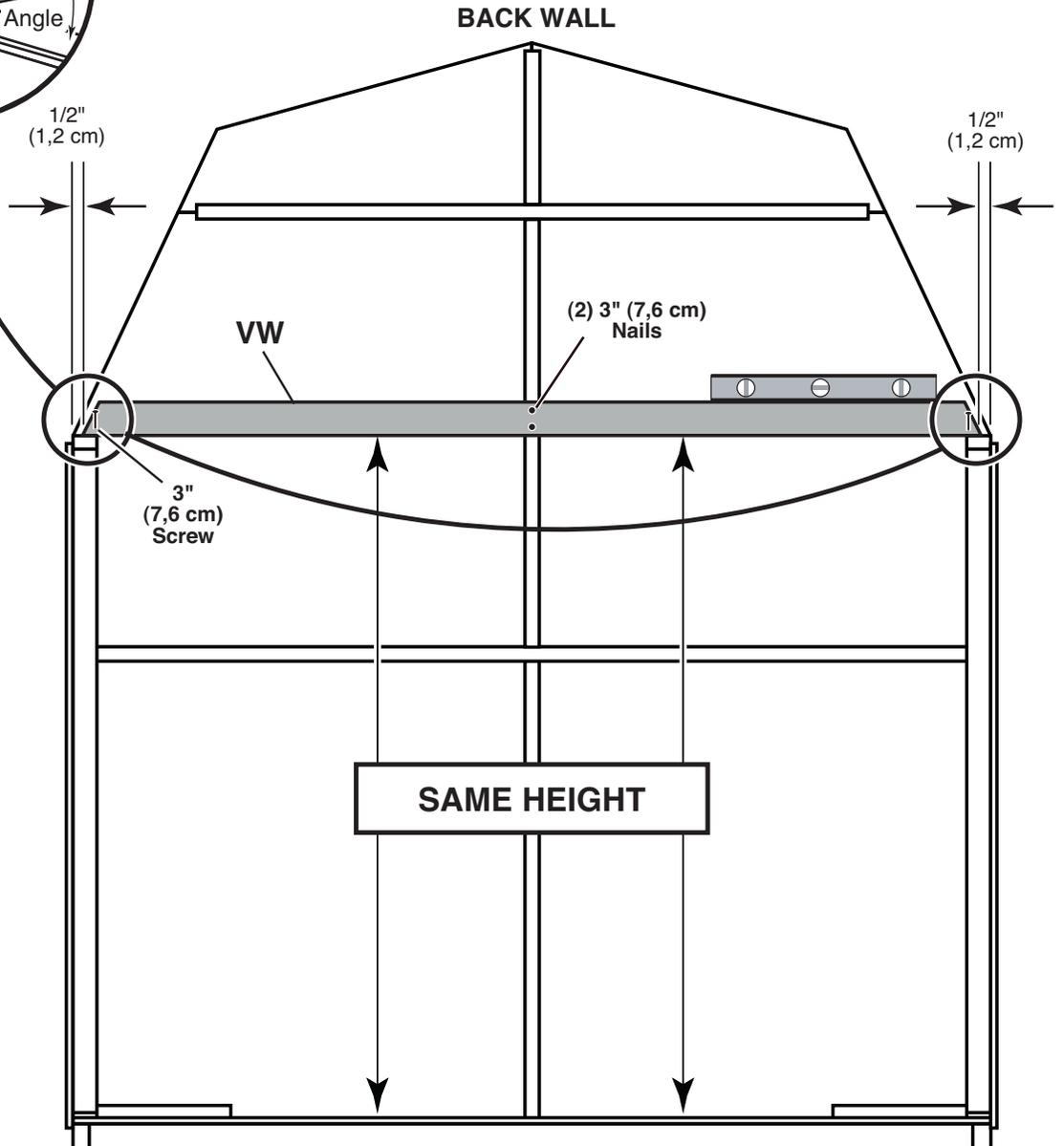


✓ **BEGIN**

**1** Install **VW** at same height as top plates and level. Install using two 3" nails at center and 3" screw on top plates (**Fig. A**) as shown.



**Fig. A**

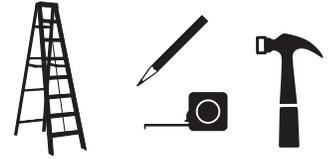


## LOFT JOISTS

### PARTS REQUIRED:

x8  3" (7,6 cm)

x2  VW  
2 x 4 x 95" (5 x 10,2 x 241,3 cm)



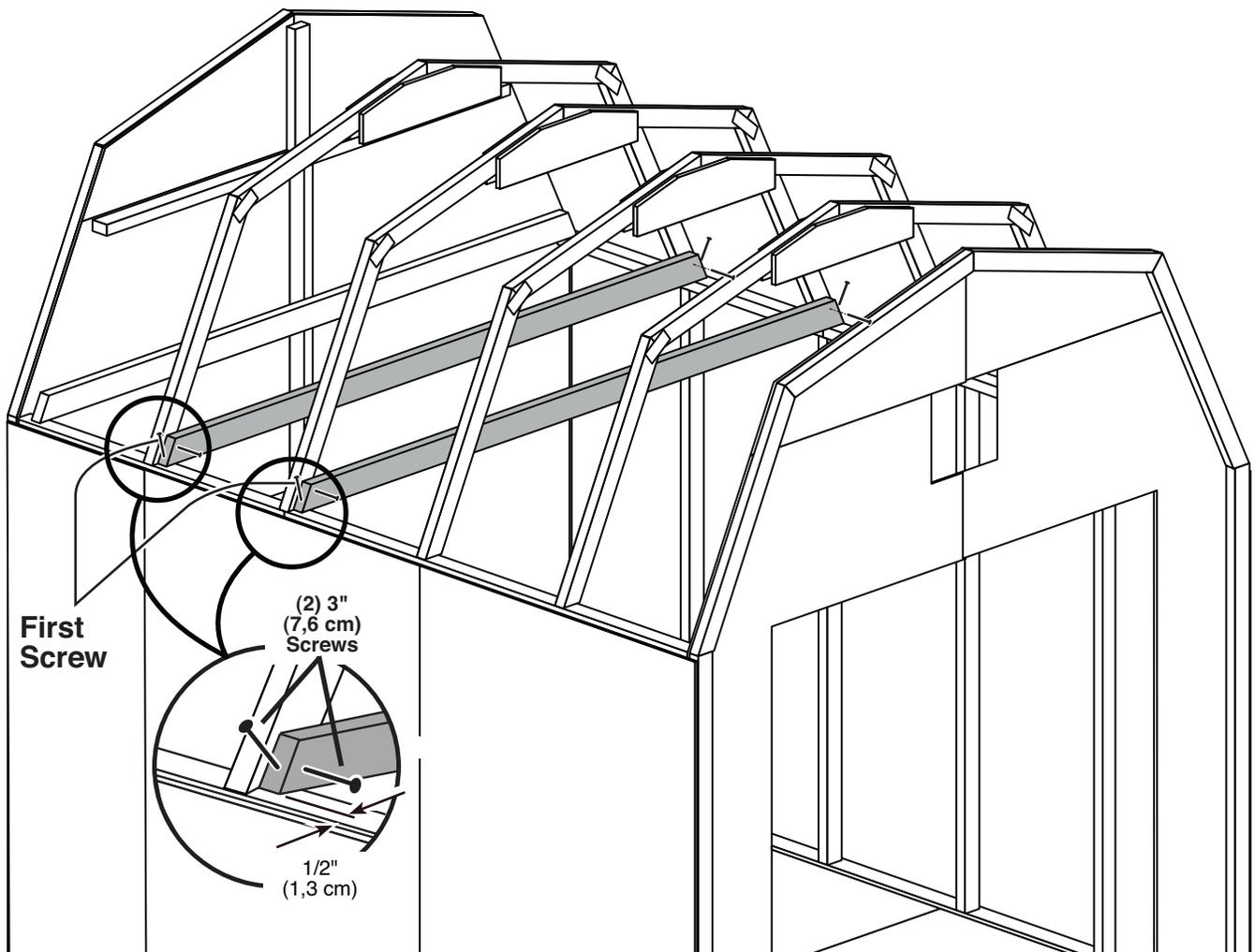
### ✓ BEGIN

- 1 Place a loft joist flush on the front side of each of the back two rafters.
- 2 Attach each joist with one 3" screw angled through the joist into the top plate. Then, screw through rafter into the loft joist with one 3" screw.
- 3  Check rafters are still 24" on center.



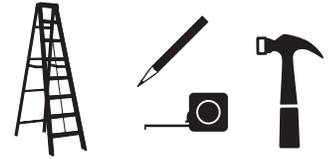
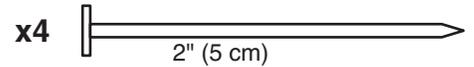
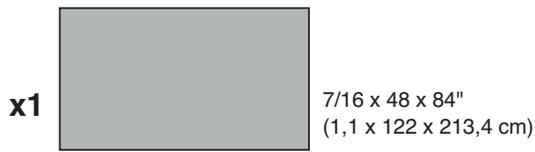
### FINISH

- 4 You have finished installing your loft joists.



# LOFT PANEL

## PARTS REQUIRED:

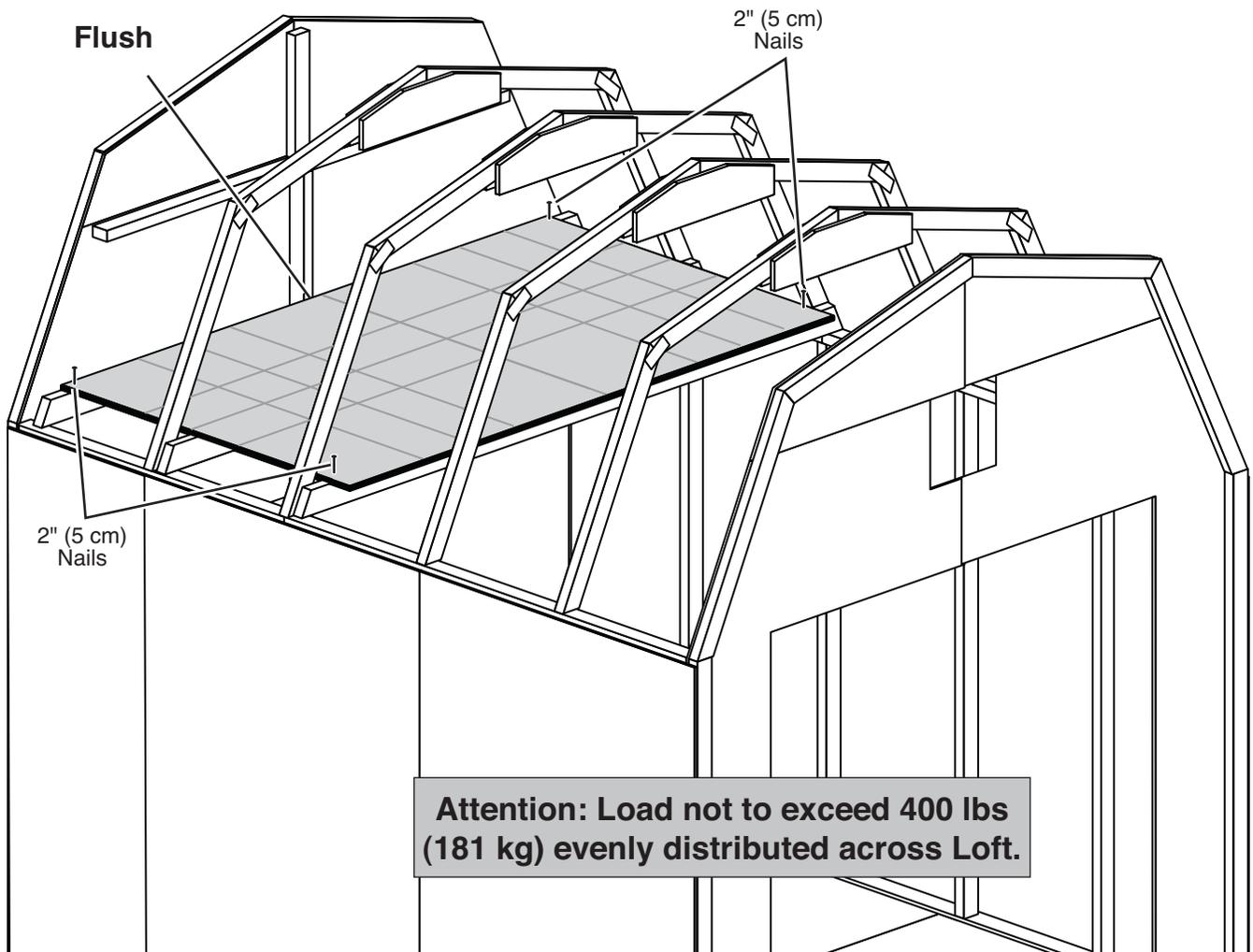
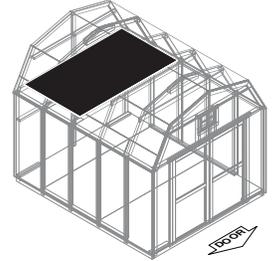


### ✓ BEGIN

- 1 Place loft panel grid side up onto the three loft joists centered from side-to-side and flush with the back wall frame.
- 2  **IMPORTANT!** Using only FOUR 2" nails, nail loft panel in place to allow racking of the roof. You will complete nailing the loft panel later.

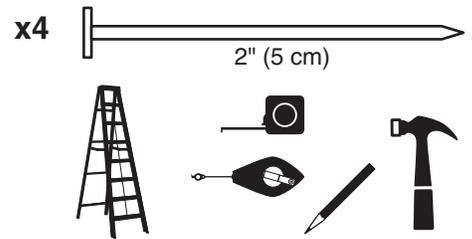
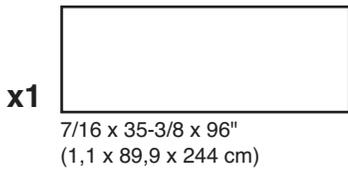
### FINISH

- 3 You have temporarily finished installing your loft panel.



# ROOF PANELS

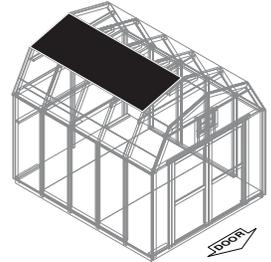
## PARTS REQUIRED:



 **Roof panels may cause serious injury until securely fastened.**



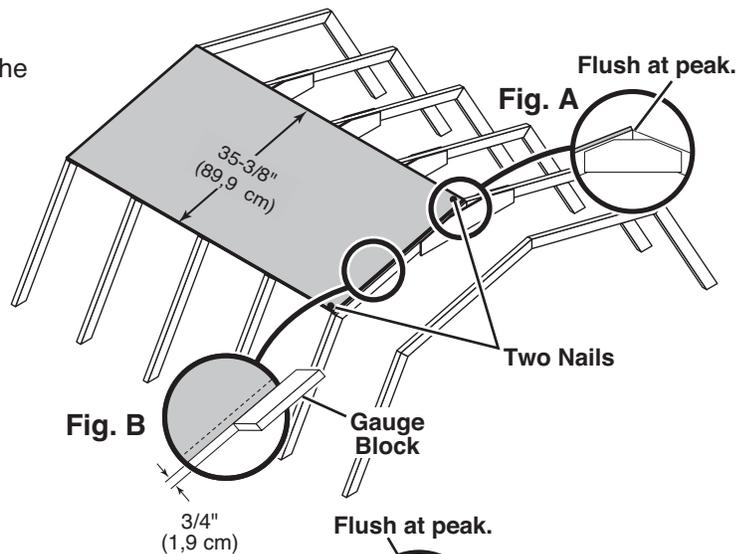
You must square the roof by attaching one panel first. You will use the panels' long edge as a lever to bring your roof into square. Commonly known as "racking".



### ✓ BEGIN

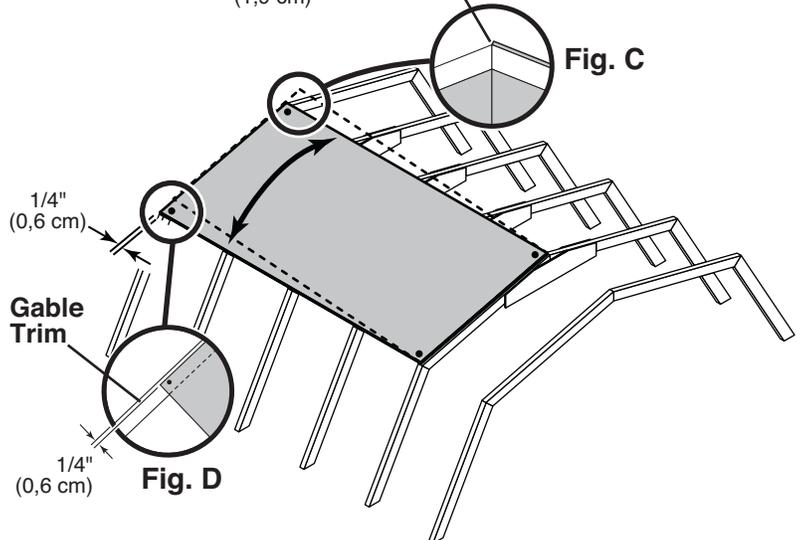
- 1 Attach the 35-3/8 x 96" panel with the rough side up (painted-grid lines side) with a 3/4" measurement on the rafter (Fig. B) and the panel flush at the peak (Fig. A).

Secure panel with two 2" nails in the corners.



- 2 Move to the opposite end. Using the long edge of the panel as a lever move the panel side-to-side until the top corner is flush to the peak (Fig. C) and there is 1/4" measurement to the gable trim (Fig. D).

You may need to move your back wall to get the 1/4" measurement. Secure panel with two 2" nails in the corners.

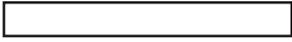


# ROOF PANELS

## PARTS REQUIRED:

**x1**   $7/16 \times 35-3/8 \times 96"$   
 (1,1 x 89,9 x 244 cm)

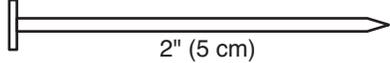
**x2**   $7/16 \times 23-7/8 \times 35-3/8"$   
 (1,1 x 60,6 x 89,9 cm)

**x2**   $7/16 \times 11-1/2 \times 96"$   
 (1,1 x 29,2 x 244 cm)

**x2**   $7/16 \times 11-1/2 \times 23-7/8"$   
 (1,1 x 29,2 x 60,6 cm)

**x2**   $7/16 \times 23-7/8 \times 96"$   
 (1,1 x 60,6 x 244 cm)

**x2**   $7/16 \times 23-7/8 \times 23-7/8"$   
 (1,1 x 60,6 x 60,6 cm)

**x170**  2" (5 cm)

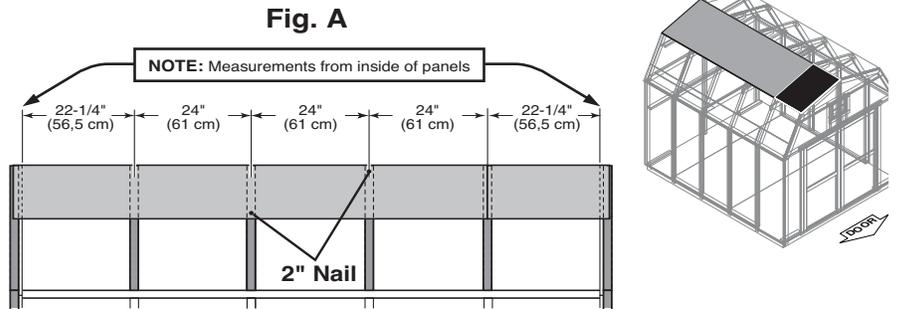
**3/4" GAUGE BLOCK** 



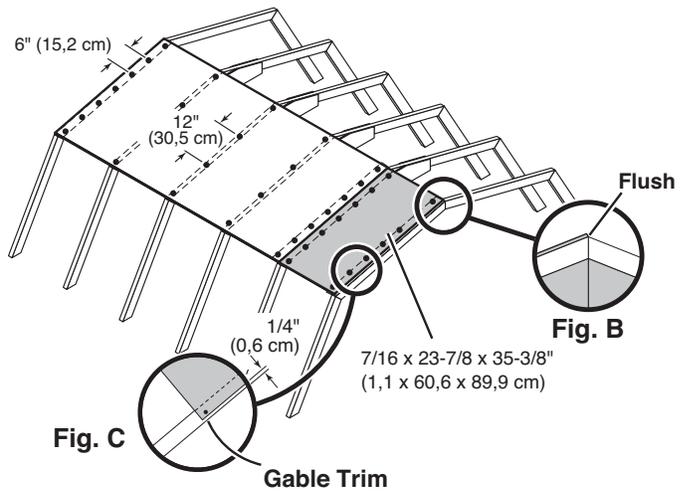
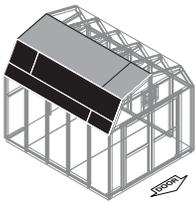
**3** Keep spacing between the center of the rafters at the lower edge of the panel and secure with one 2" nail into each rafter (**Fig. A**).

Move to the top of the panel and keep spacing between the center of the rafters. Secure with one 2" nail into each rafter (**Fig. A**).

Nail the roof panel using 2" nails 6" apart on edges and 12" apart inside panel.



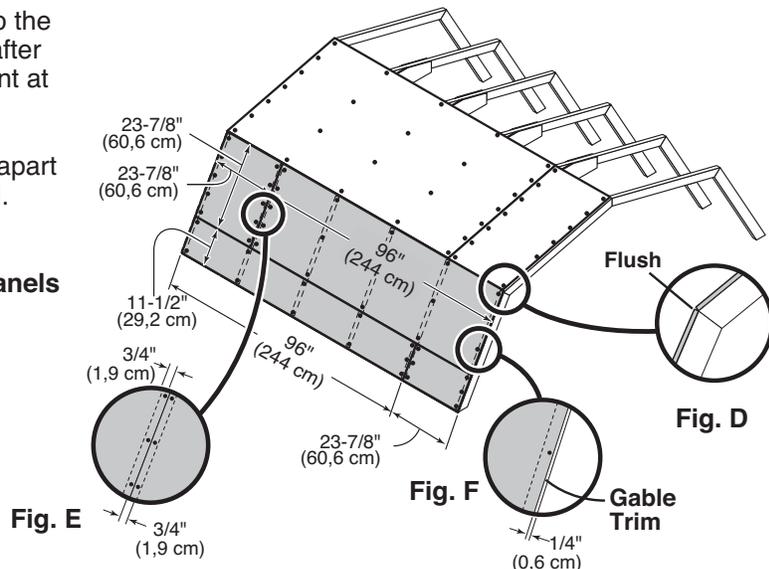
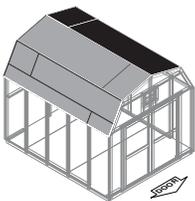
**4** Attach the 23-7/8 x 35-3/8" upper roof panel flush to first panel, flush at peak and with the 1/4" measurement (**Fig. B, C**).



**5** Attach the lower roof panels flush to the upper panels (**Fig. D**) and 3/4" on rafter (**Fig. E**) and with a 1/4" measurement at the gable trim (**Fig. F**).

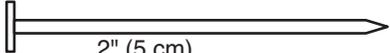
Nail the roof panel using 2" nails 6" apart on edges and 12" apart inside panel.

Repeat Steps 1-5 to attach roof panels on the opposite side.



## LOFT PANEL

### PARTS REQUIRED:

x11  2" (5 cm)

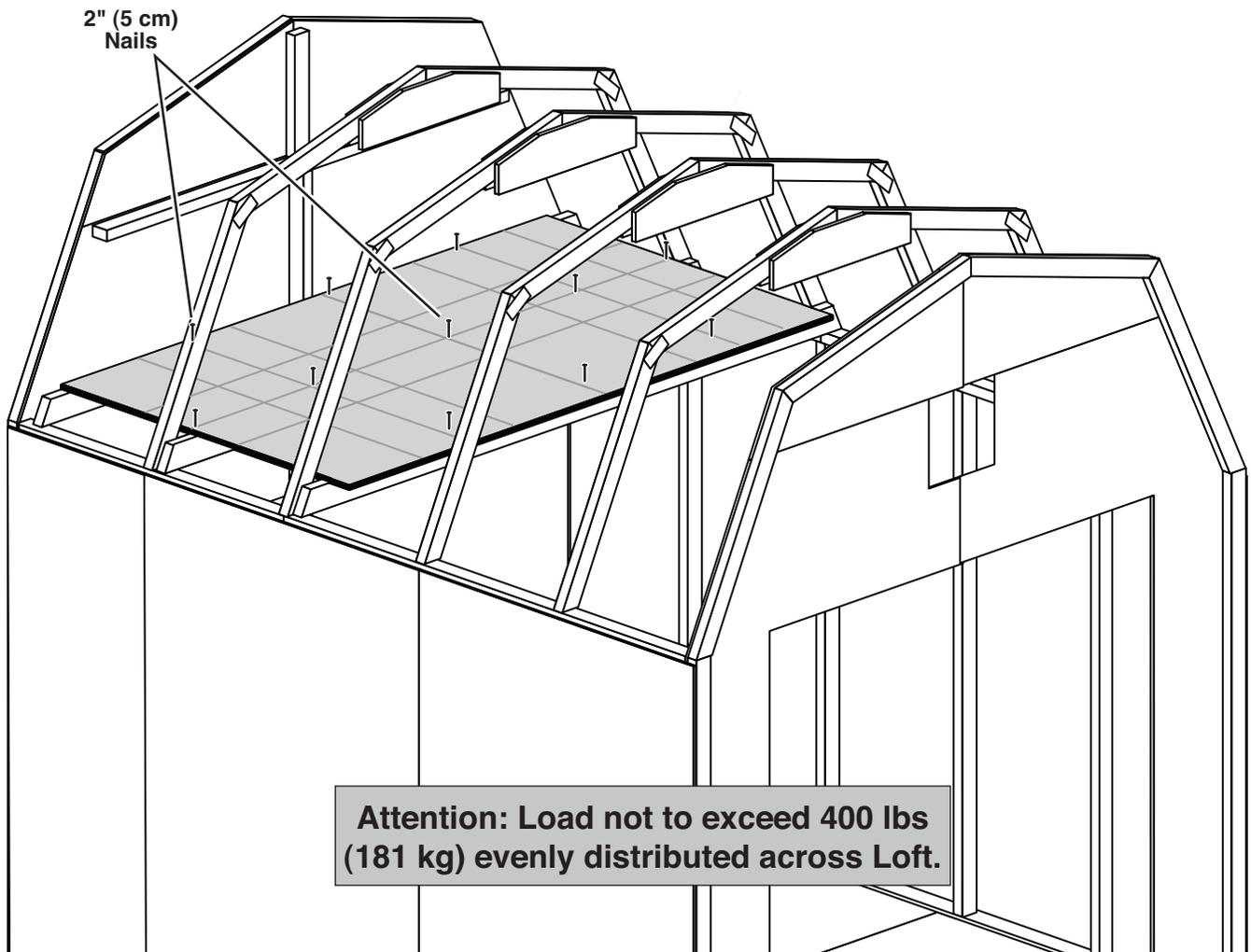
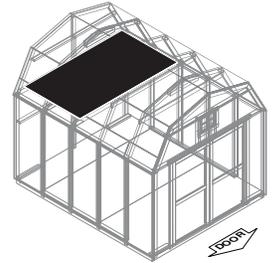


#### ✓ BEGIN

1 Complete installation of loft panel using 2" nails spaced 24" apart.

#### FINISH

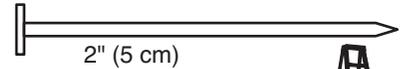
2 You have finished your loft panel.



## COLLAR TIES

### PARTS REQUIRED:

x12



2" (5 cm)

x2

**WO**

1 x 4 x 72" (2,5 x 10,2 x 182,9 cm)



### ✓ BEGIN

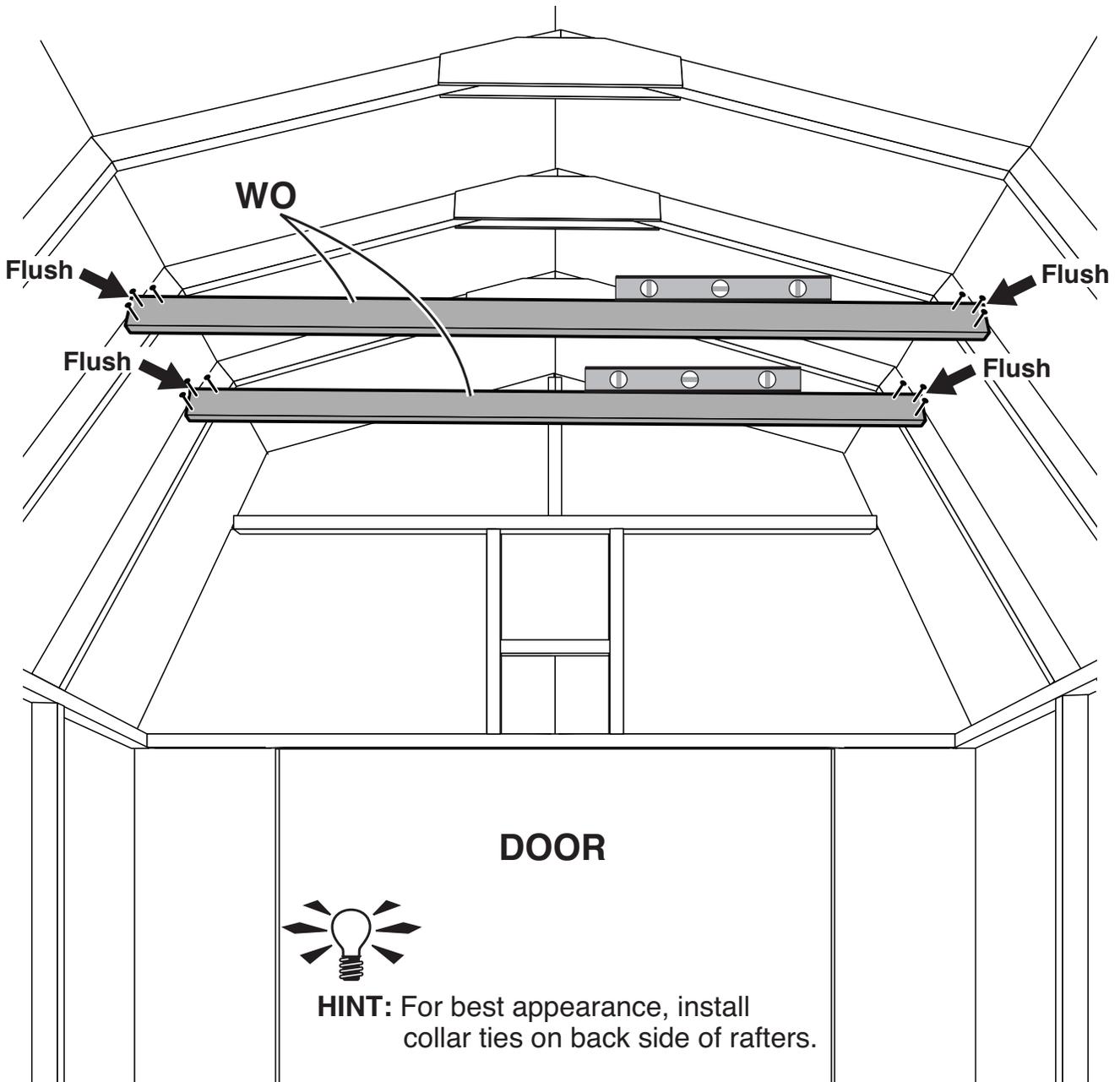
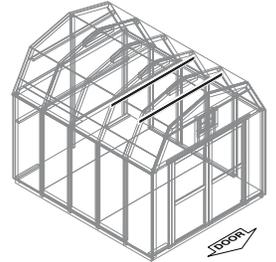
**1** Install collar tie **WO** on the two rafters closest to the door opening.

**2** Use three 2" nails at each side of collar tie. Collar ties should be flush to the roof panels. Ensure the collar ties are level before nailing.



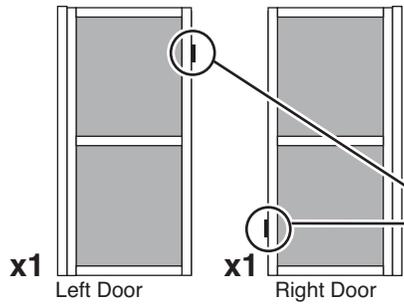
### FINISH

**3** You have finished attaching your collar ties.



# DOORS

## PARTS REQUIRED:



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

**GAA**

3/4"  
**GAUGE BLOCK**

**HINT:**  
Look for 3/8" SPACER  
attached to doors.

x2 1-1/4" (3,2 cm)

x4 3" (7,6 cm)

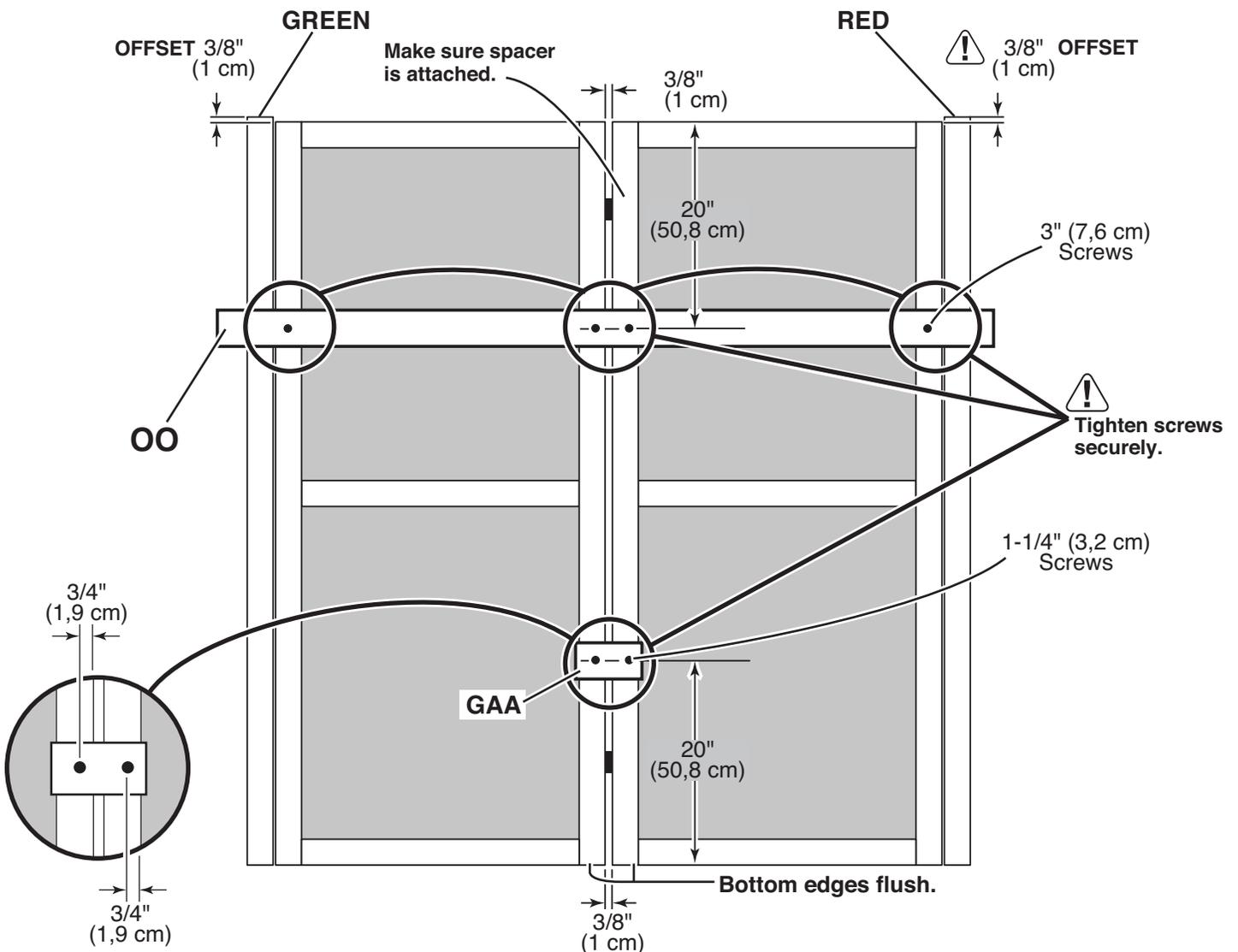
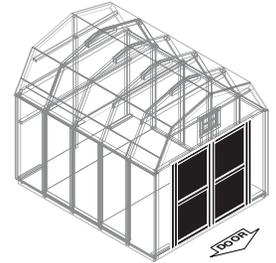


### ✓ BEGIN

**1** Orient parts as shown on flat surface. 3/8" offset is to top. Look for red (right) and green (left) on hinge board.

**2** Attach temporary support **OO** with 3" screws. Tighten securely.

Attach temporary support **GAA** at bottom with 1-1/4" screws. Tighten securely.



# DOORS

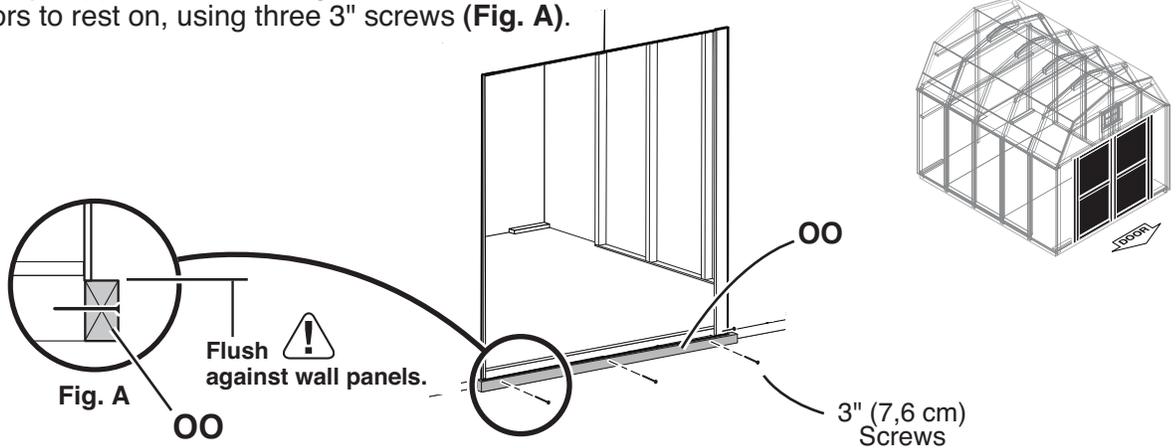
## PARTS REQUIRED:

x1   
 2 x 3 x 69" (5 x 7,6 x 175,3 cm)

x7   
 3" (7,6 cm)



- 3 Attach temporary support **OO** as a ledger board flush under wall panels for doors to rest on, using three 3" screws (**Fig. A**).



- 4 Center doors on panel seam as shown (**Fig. B**).



 Check ledger board is still flush under panels.

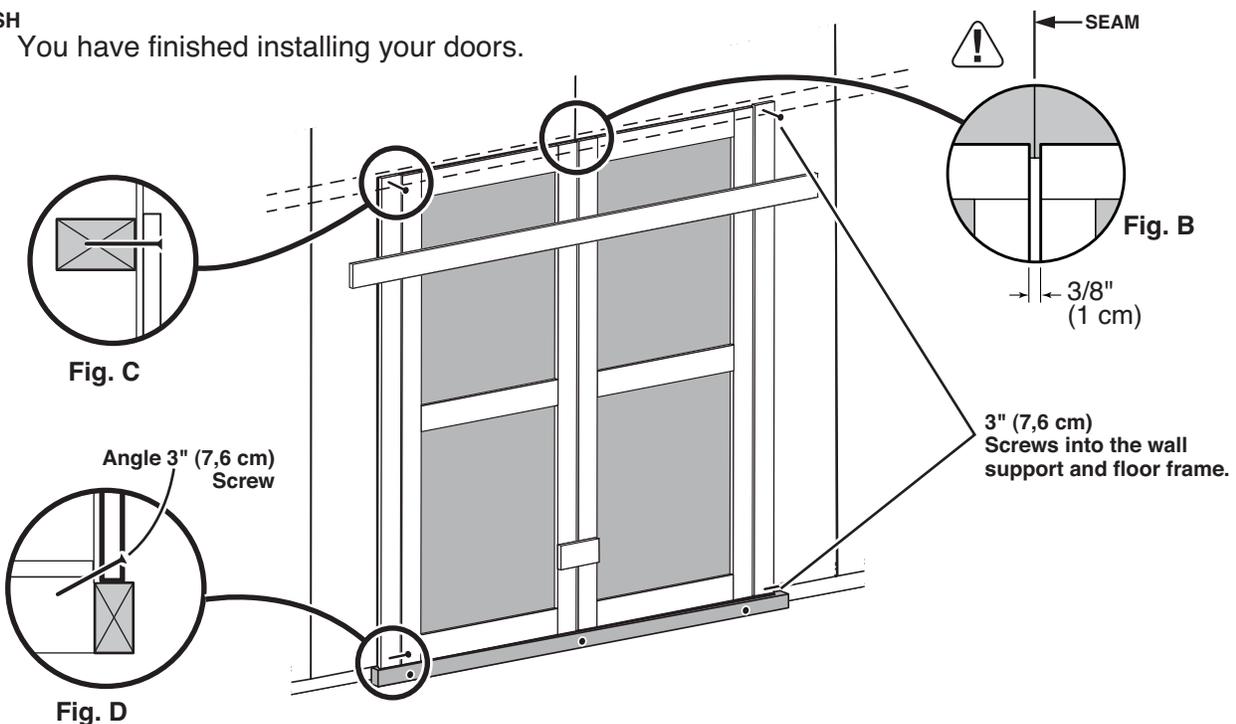
- 5 Screw hinge boards into wall supports and floor using four 3" screws as shown.

 Make sure screws go into framing and floor (**Fig. C, D**).

- 6 Remove temporary supports and check doors open properly.



- 7 You have finished installing your doors.



# DOORS

## PARTS REQUIRED:

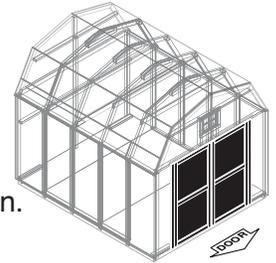
x8  2" (5 cm) x58  3/4" (1,9 cm)

x1  **ZJ**  
5/8 x 3 x 72" (1,6 x 7,6 x 182,9 cm)



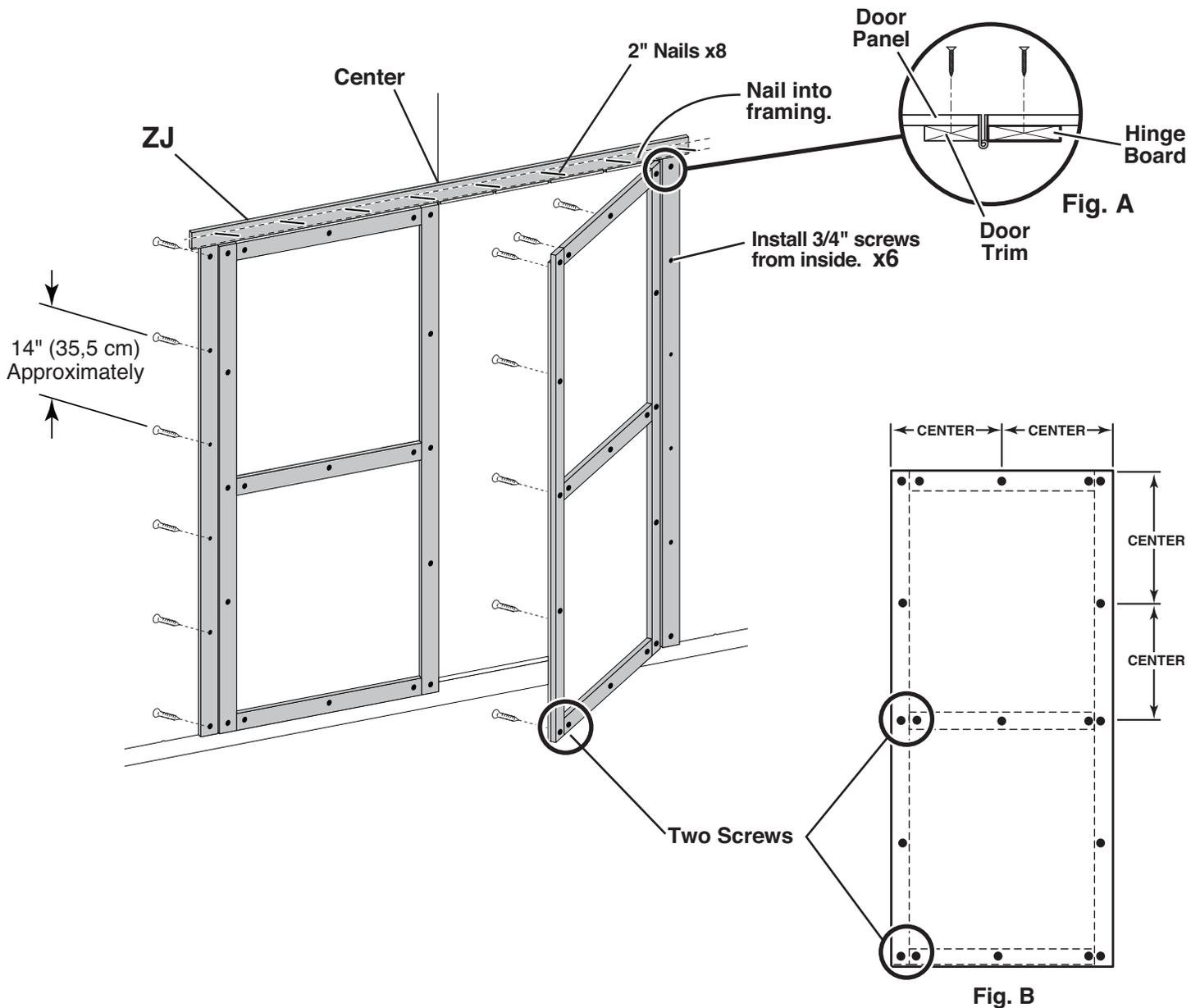
### ✓ BEGIN

- 1 Secure hinge boards from inside using 3/4" screws as shown (Fig. A).
- 2 Reinforce the door trim using 3/4" screws through door panel into trim (Fig. A). Locate screws as shown in Fig. B. Use two screws at seams.
- 3 Center trim ZJ over doors and secure using eight 2" finish nails into framing as shown.



### FINISH

- 4 You have finished securing your doors and trim.

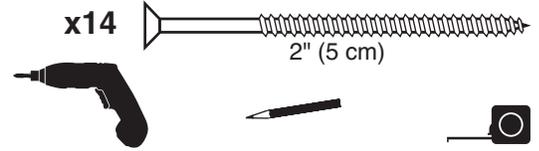


# DOOR WEATHERSTRIP

## PARTS REQUIRED:

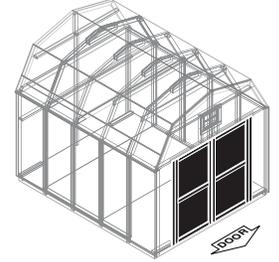
x2  **OO**  
2 x 3 x 69" (5 x 7,6 x 175,3 cm)

x14



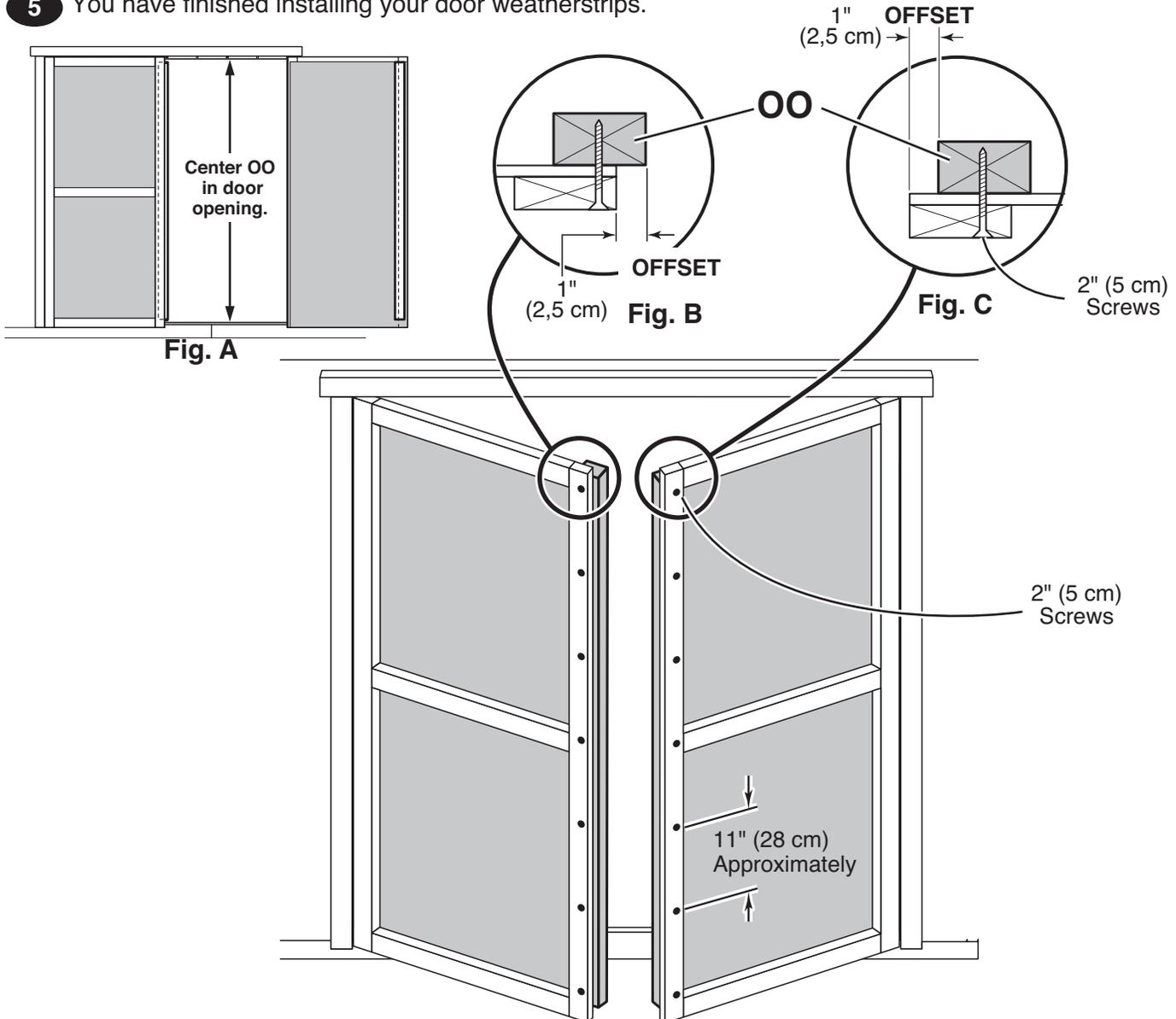
### ✓ BEGIN

- 1 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" OUT past the door trim 1" (**Fig. B**).
- 2 Secure **OO** using seven 3" screws through outside trim into **OO** (**Fig. B**)
- 3 On right door center **OO** vertically in door opening (**Fig. A**). **OO** will offset the right door 1" IN from the door trim (**Fig. C**).
- 4 Secure **OO** using seven 3" screws through outside trim into **OO** (**Fig. C**).



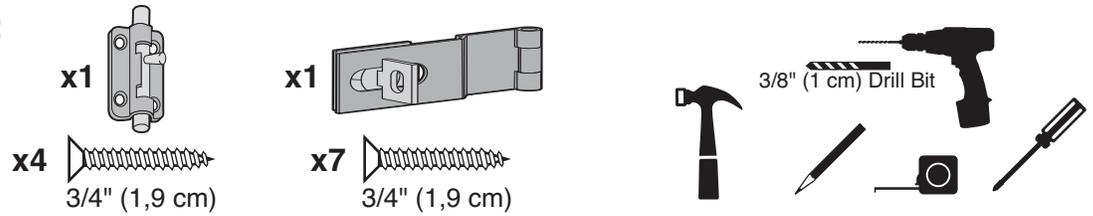
### FINISH

- 5 You have finished installing your door weatherstrips.



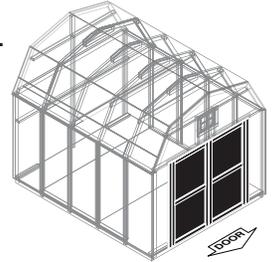
# DOOR HARDWARE

## PARTS REQUIRED:



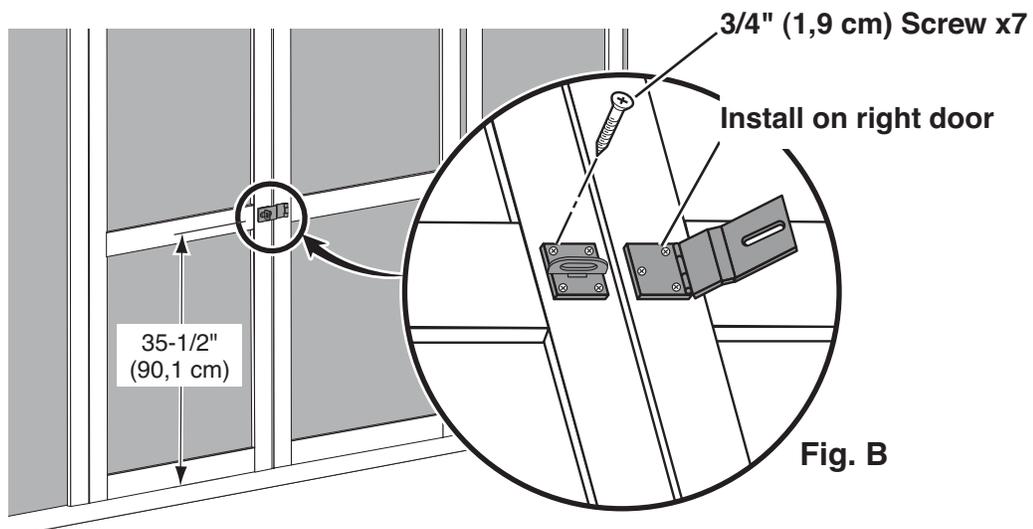
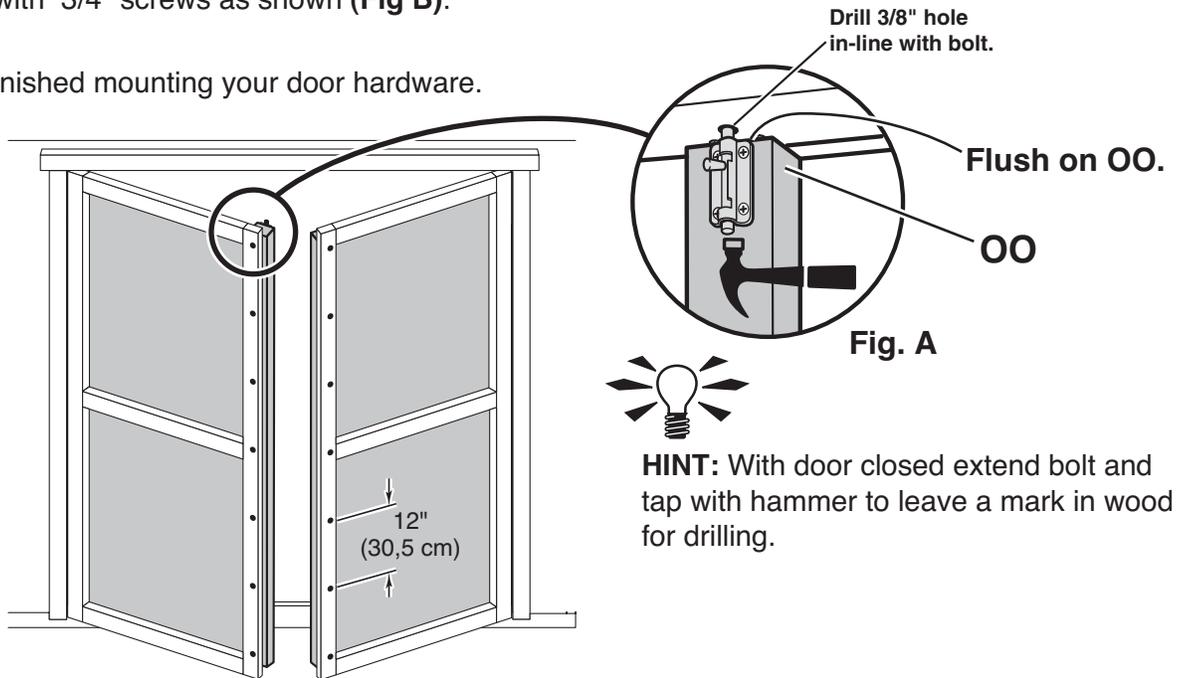
### ✓ BEGIN

- 1 Mount barrel bolt flush at top of **OO** on left door using 3/4" screws as shown (Fig A).
- 2 With door closed mark hole location for bolt to extend into.  
**HINT:** Extend bolt to leave a mark in wood. Tap bolt with hammer. Drill 3/8" hole deep enough for bolt to slide into.
- 3 Install hasp on right door and latch on left door. Bottom edge of hasp is 35-1/2" (90,1 cm) up from bottom edge of door trim. Measure and mark locations and install with 3/4" screws as shown (Fig B).



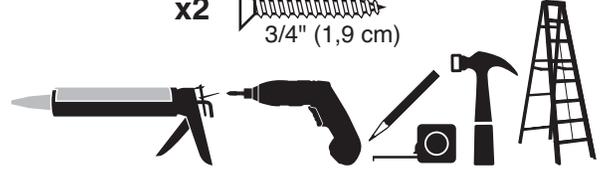
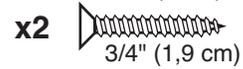
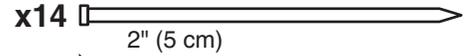
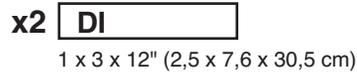
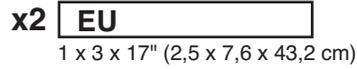
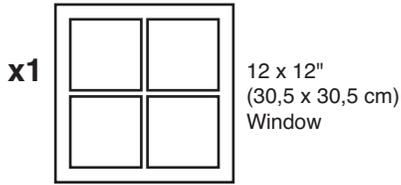
### FINISH

- 4 You have finished mounting your door hardware.



# WINDOW

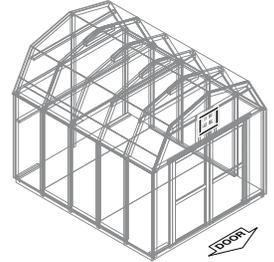
## PARTS REQUIRED:



### ✓ BEGIN

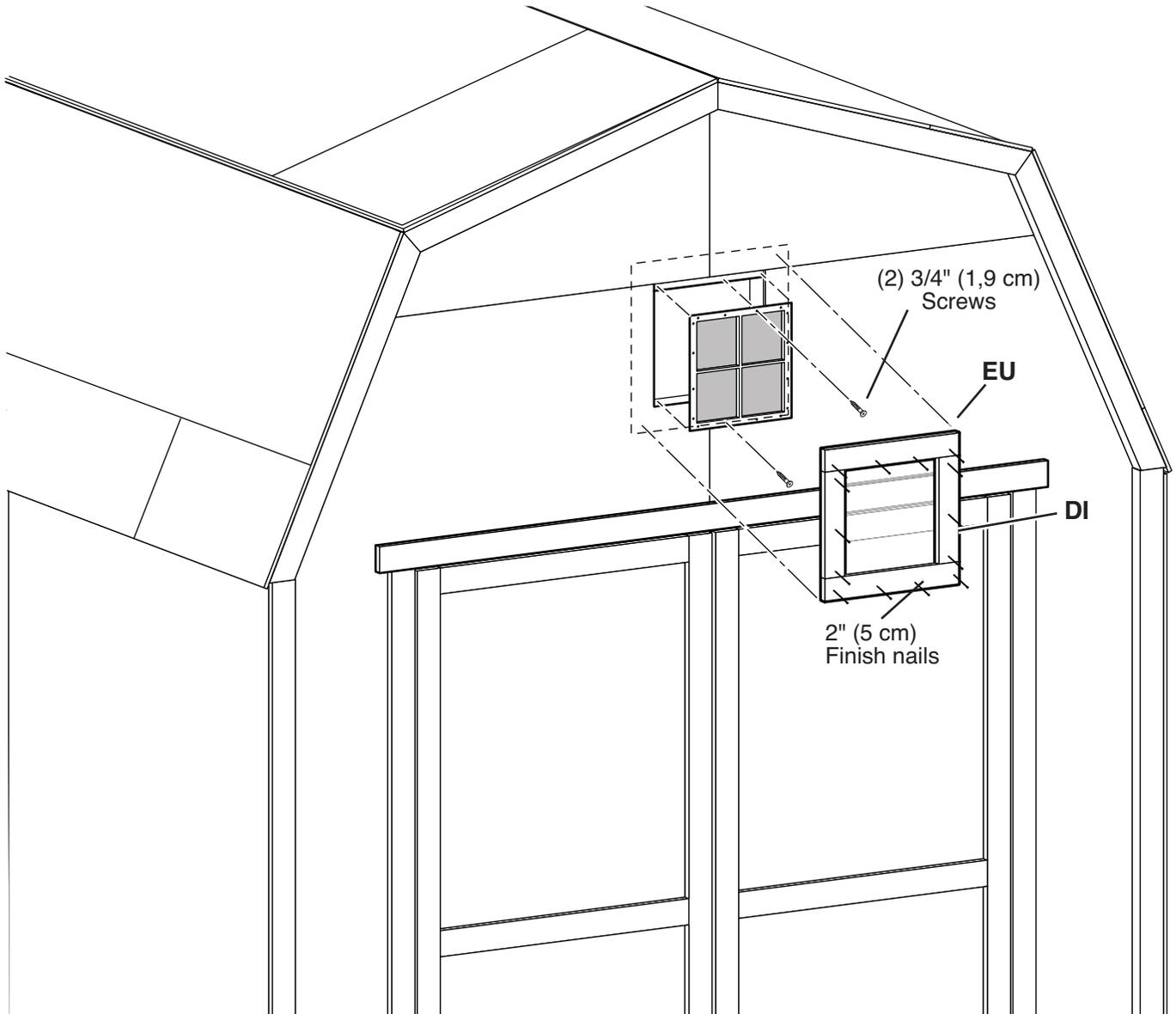
1 Caulk behind window flange and secure window in opening using two 3/4" screws as shown.

2 Position **EU** and **DI** centered over window, and secure with 2" finish nails.



### FINISH

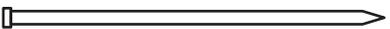
3 You have finished installing your window.

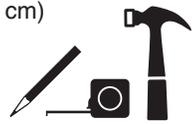


# BATTENS

## PARTS REQUIRED:

x8   
1-3/4 x 3 x 72" (4,4 cm x 7,6 x 182,9 cm)

x56   
2" (5 cm)



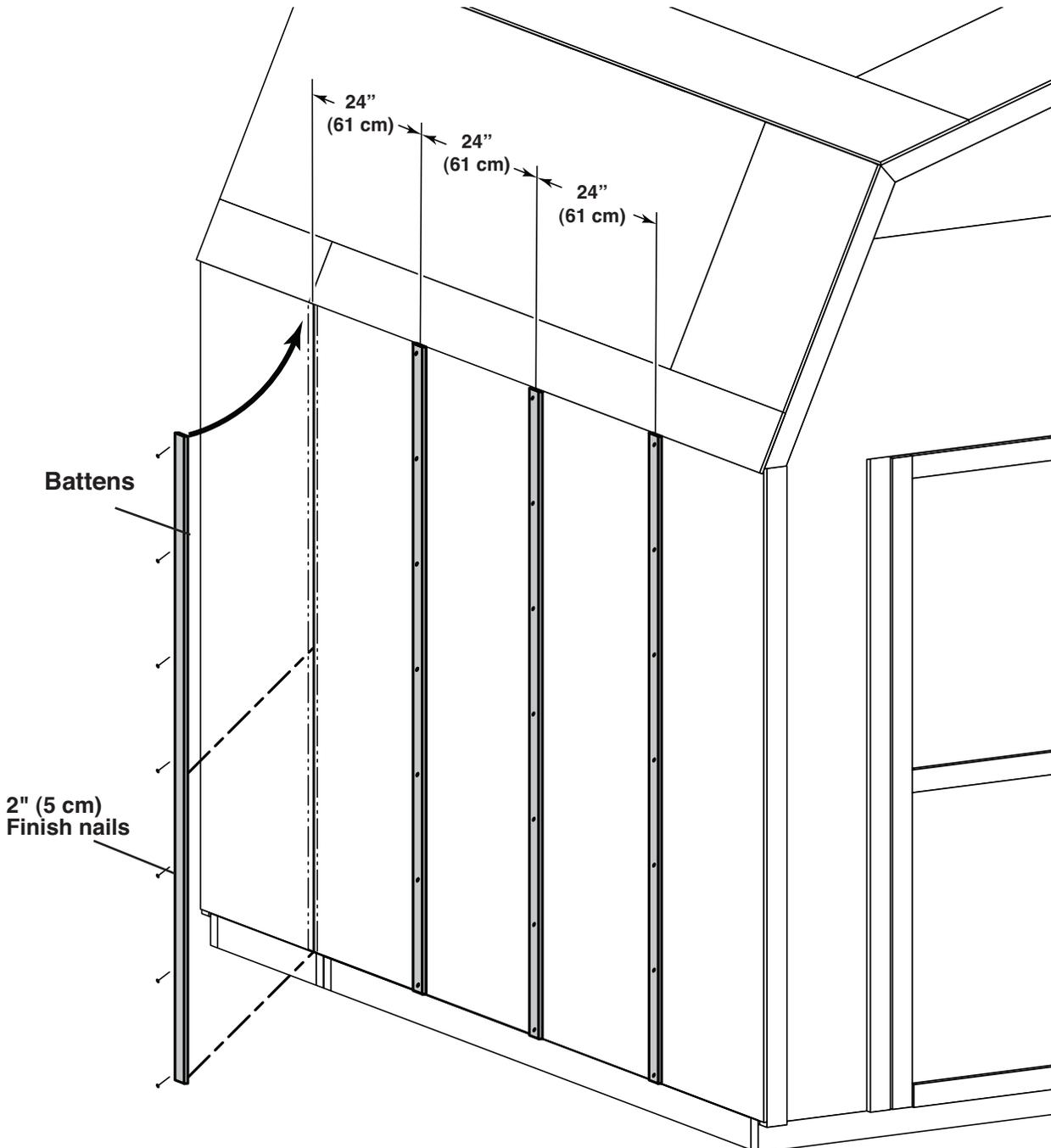
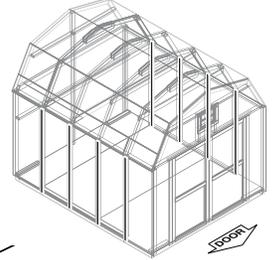
### ✓ BEGIN

- 1 Secure battens over wall studs and seams using 2" finish nails 12" apart. Repeat on other side.



### FINISH

- 2 You have finished installing your battens .



## PAINT & CAULK - NOT INCLUDED -



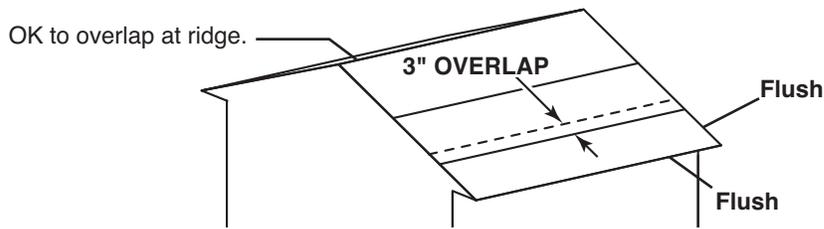
- Use acrylic latex caulk that is paintable. Caulk at all horizontal and vertical seams, between the trim and walls, and all around the door trim.
- Use a high quality exterior acrylic latex paint. When painting your building, there are a few key areas that can be easily overlooked that must be painted: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

**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.

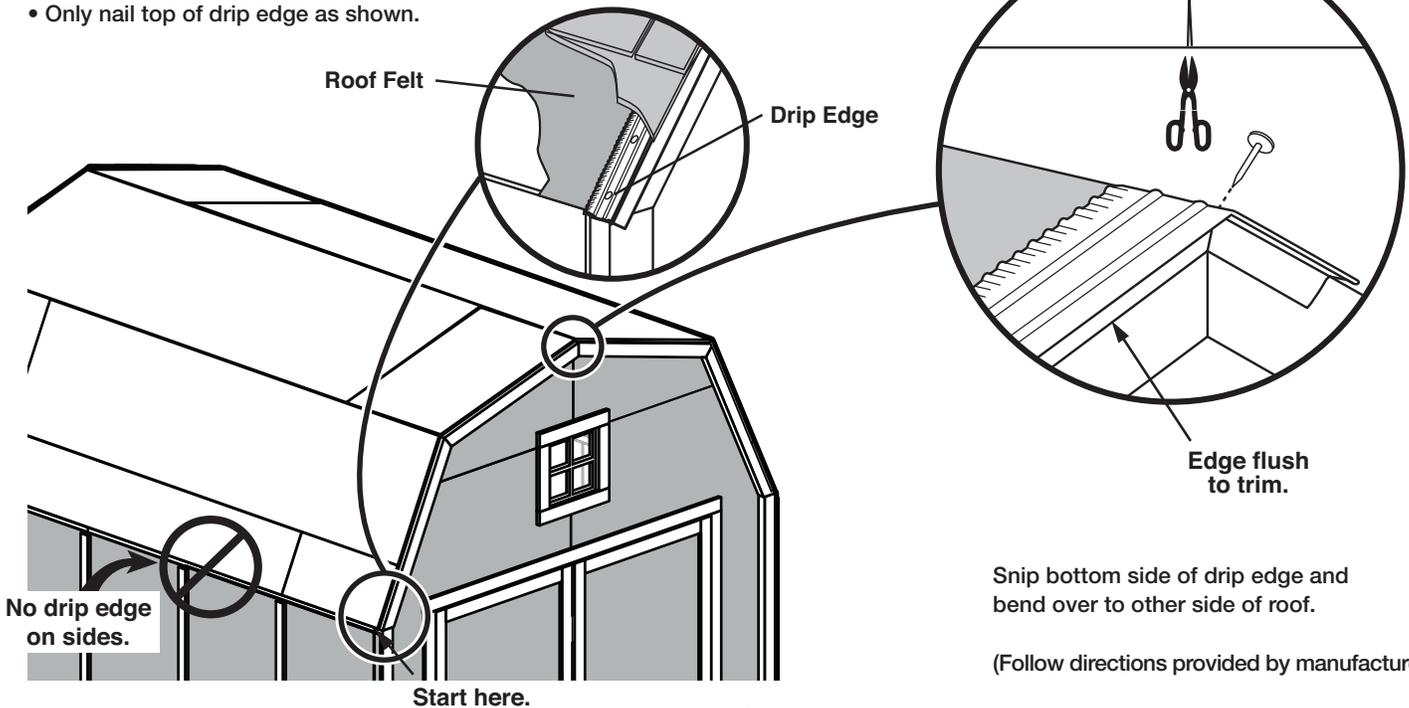


## DRIP EDGE - NOT INCLUDED -



**!** Drip edge is only installed on the front and back sides of this shed.

- Install over roof felt.
- Do not use nails on side of drip edge that hangs over side of building.
- Only nail top of drip edge as shown.



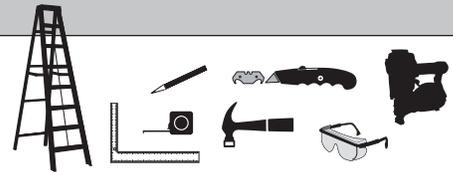
Snip bottom side of drip edge and bend over to other side of roof.

(Follow directions provided by manufacturer.)

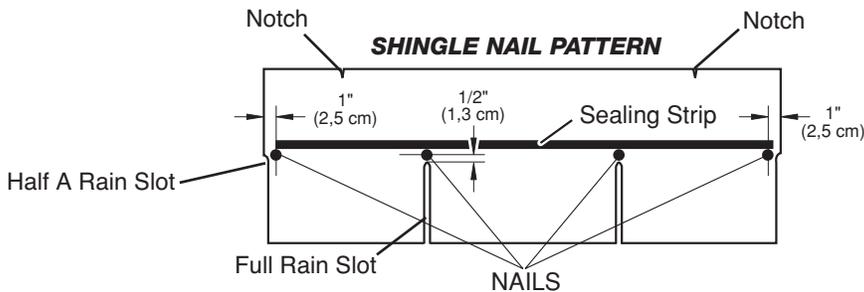
# SHINGLES

- NOT INCLUDED -

• Follow directions provided by manufacturer and these instructions.



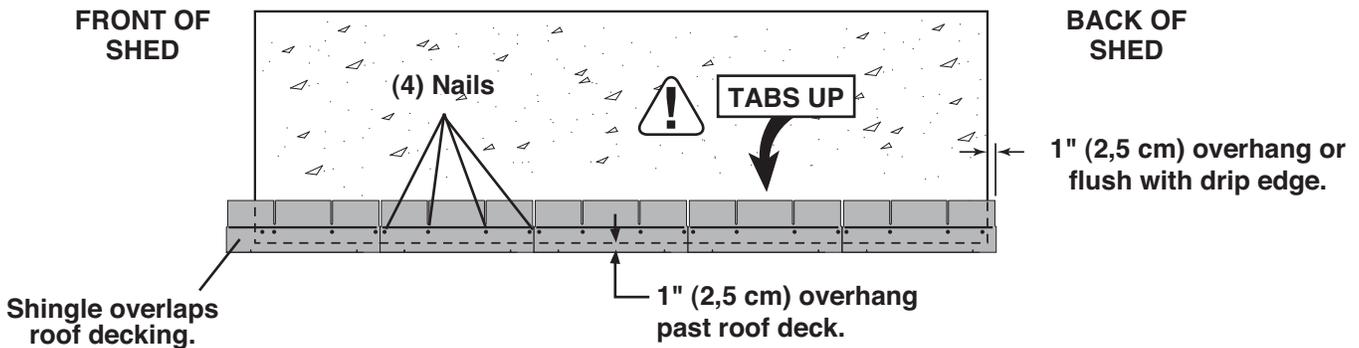
**!** Familiarize yourself with a 3-Tab Shingle.



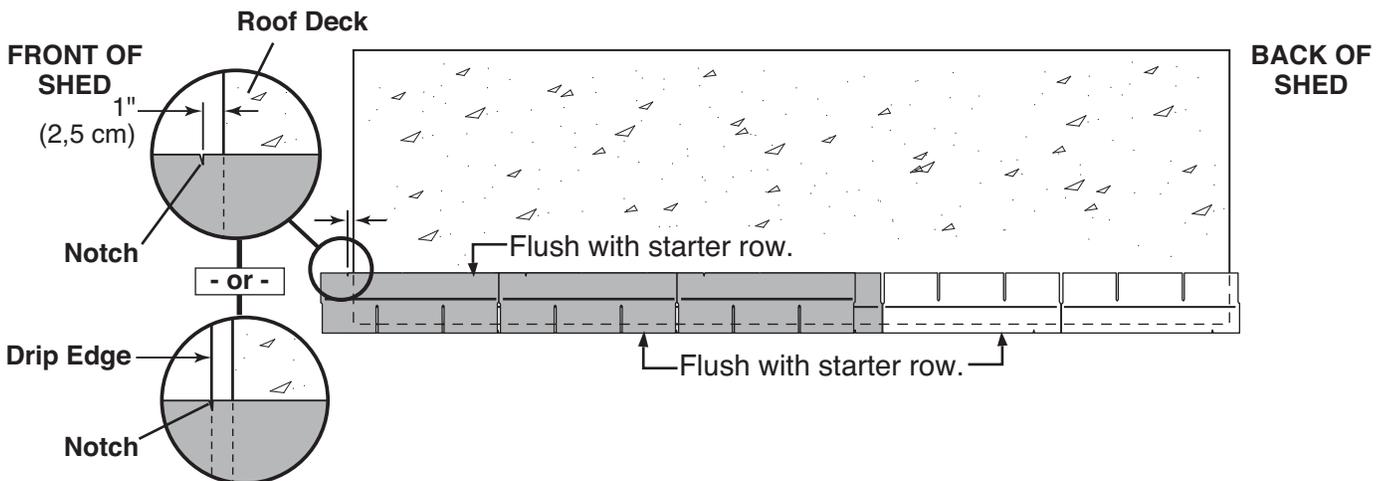
**!** NEVER DRIVE FASTENERS INTO OR ABOVE SEALING STRIPS.

**✓** BEGIN

- 1 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.



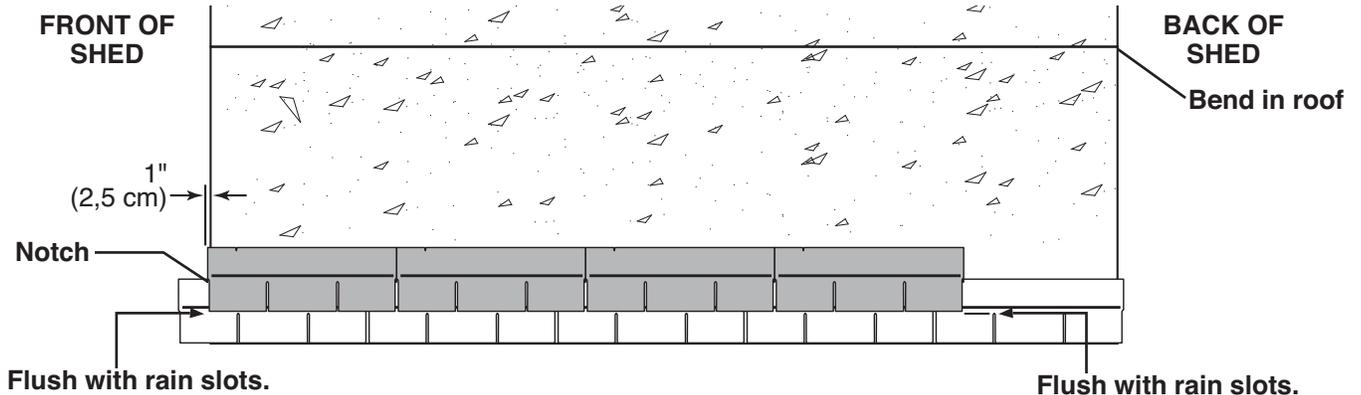
- 2 Beginning at front of shed, install first row of shingles with notch at 1" past roof edge or flush with drip edge.



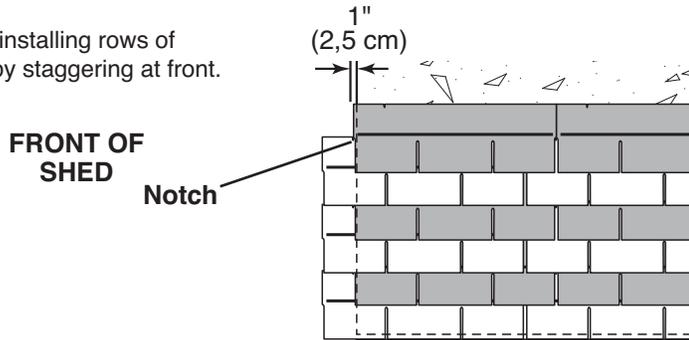
# SHINGLES

continued...

- 3** 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.



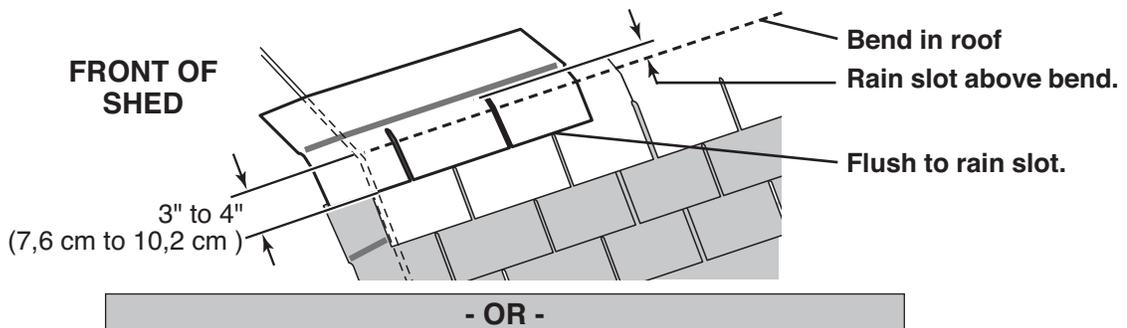
- 4** Continue installing rows of shingles by staggering at front.



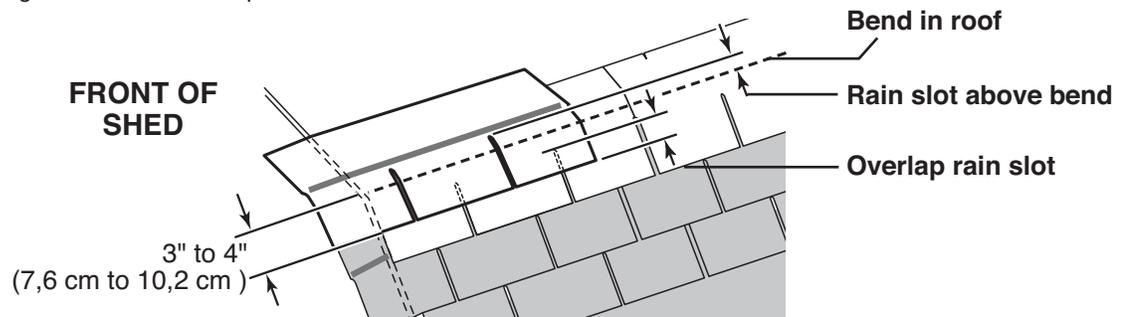
- 5** The shingle over the bend in the roof will be nailed down. You will need 3" to 4" of this shingle to extend downward over the bend for nailing.

Look for either of the following:

- If the rain slot of the shingle installed over the bend is ABOVE the bend and 3" to 4" of it overhangs down over the bend, continue shingling up to the peak. You have enough to nail shingle down over the bend.



- If the rain slot of the shingle installed over the bend is BELOW the bend, install the shingle over the bend and overlap the rain slot to get the 3" to 4" overlap.

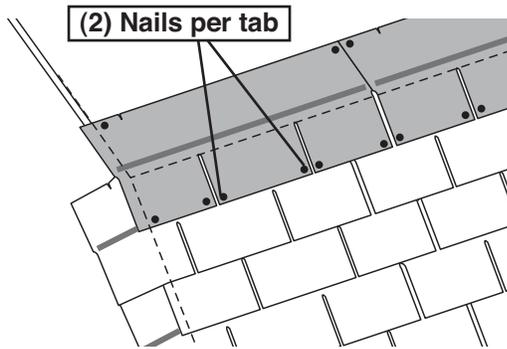


**!** The shingle OVER the bend must be installed with a 3" to 4" overlap **AND** the rain slot above the bend.

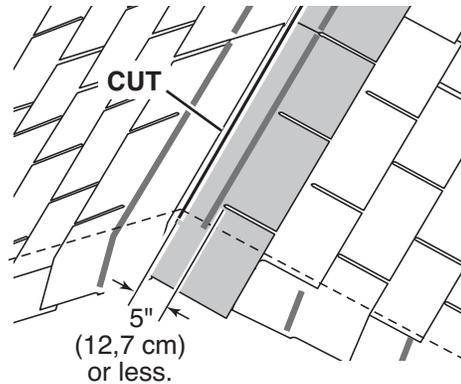
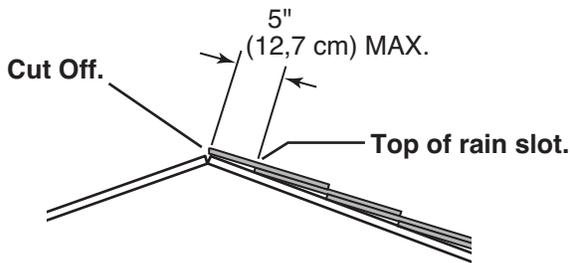
# SHINGLES

continued...

**6** After shingles are installed over bend, nail down overlap using two roofing nails per tab.



**7** 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.

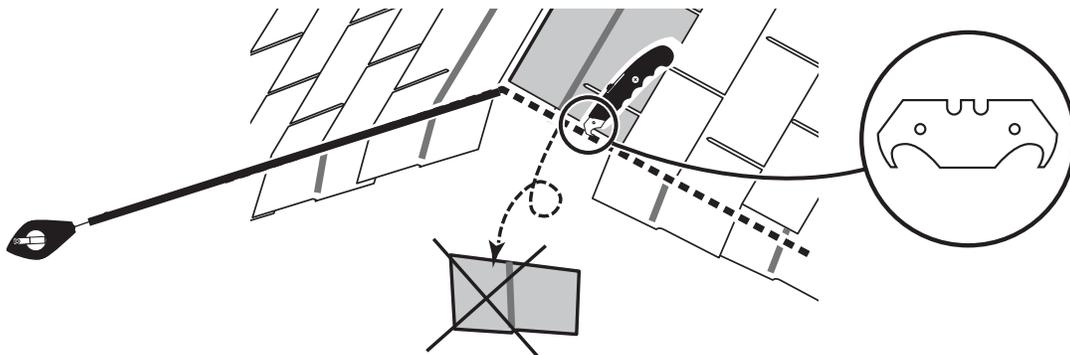


**!** If more than 5" to rain slot you must install another row of shingles.

**8** Repeat steps 1 - 7 to shingle the opposite side of your roof. Trim shingles at ridge.

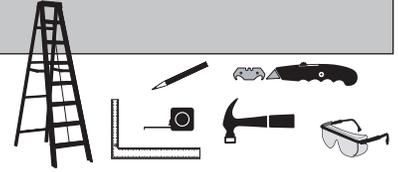
**9** Once both sides are shingled you need to trim ends. Strike a chalk line 1" from edge.

**10** Using your shingle hooked blade carefully cut shingles along chalk line.



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

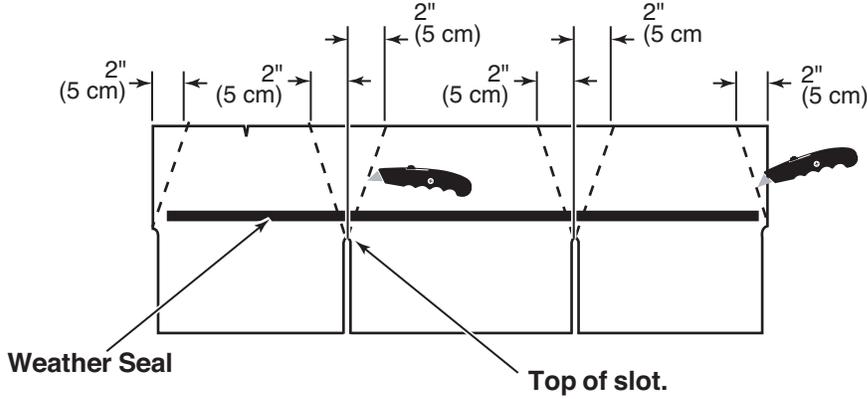
# SHINGLES - RIDGE CAP



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

**BEGIN**

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

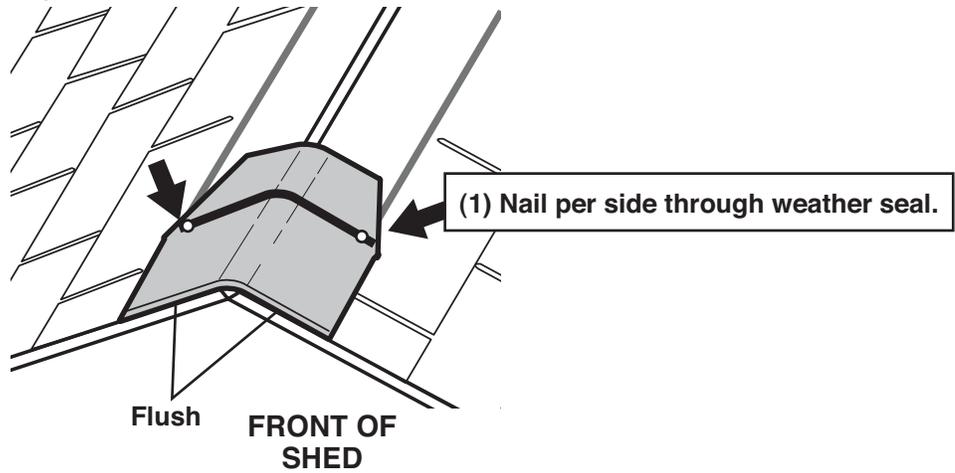


**Score shingle, then snap-off angled cut.**

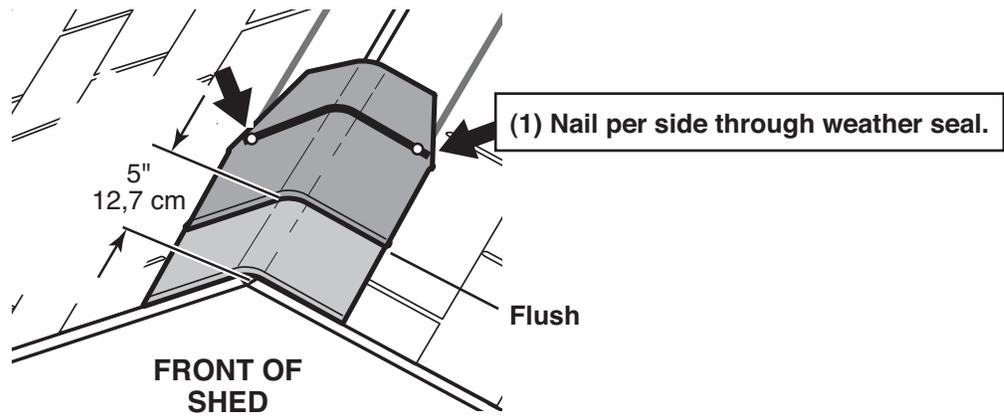
**Note:** • You will need about 24 - 26 cut pieces.

**24 to 26 Pieces**

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



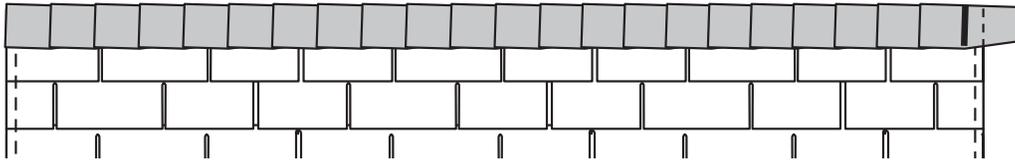
**3** Install second ridge cap 5" back, as shown.



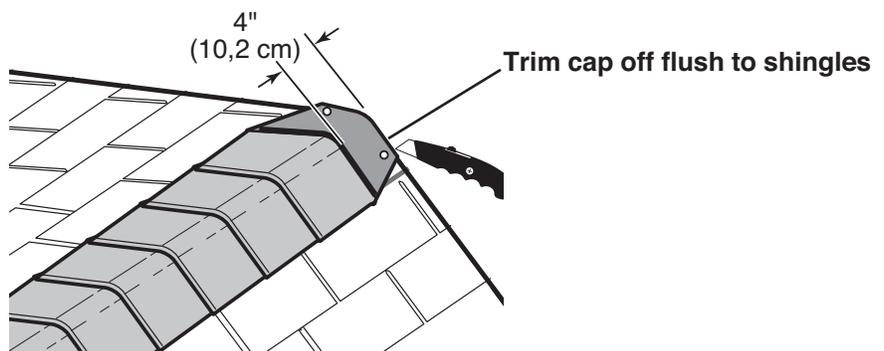
## SHINGLES - RIDGE CAP

continued...

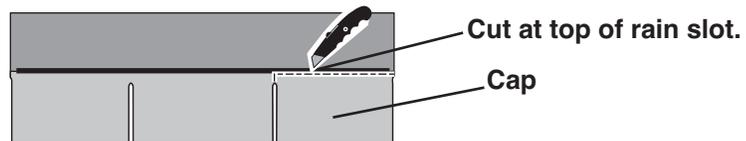
- 4 Continue installing ridge cap to back of roof.



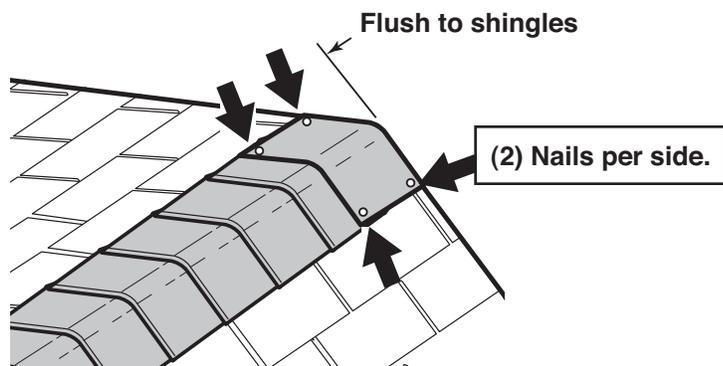
- 5 Make sure there is 4" between the shingle-color and edge of shingles.



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



- 7 Install flush to shingles.



FINISH

- 8 You have finished your ridge cap.

## WARRANTY

Backyard Storage Solutions, LLC warrants the following:

1. Every product is warranted from defects in workmanship and manufacturing for one year.
2. All hardware and metal components are warranted for two years.
3. Trim is warranted for 10 years.
4. Waferboard siding and sheathing is warranted for two years.
5. SmartSide™ siding is warranted for 10 years on all Marco series buildings and 15 years on all Premier Series buildings.
6. Timber series buildings' siding and trim are warranted for 10 years.
7. Solar Shed windows are warranted for 1 year.
8. Cedar lumber is warranted for 15 years.
9. Cedar doors and Cedar Garden Center are warranted for 10 years.
10. Metal roof is warranted for 25 years.

**Limited Conditional  
Warranty \***

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 & Playhouses

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 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 SmartSide™ and waferboard siding to include all exterior walls and all sides and all edges of doors.

### Gazebos, Pergolas & Timber Buildings

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 timber building 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 prepare a letter. Please have ready the information below when you call or include the information when writing:

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, as listed on the yellow warranty card enclosed in the product package.

Mail the above information to:

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

**\*WARRANTY TERMS MAY VARY OUTSIDE THE U.S.A.**

**IMPORTANT: This is your warranty certificate.**

**Please complete and mail your warranty card to properly validate your warranty.**