# 16757-R **D STOP DO NOT RETURN DO NOT RETURN DO NOT RETURN If you discover missing or damaged parts**,

If you discover missing or damaged parts, or if you have questions about the building process, please reach out to us directly for the fastest service.

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- Answers to frequently asked questions
- Technical assistance and how-to videos
- Submit a help request
- Request replacement parts

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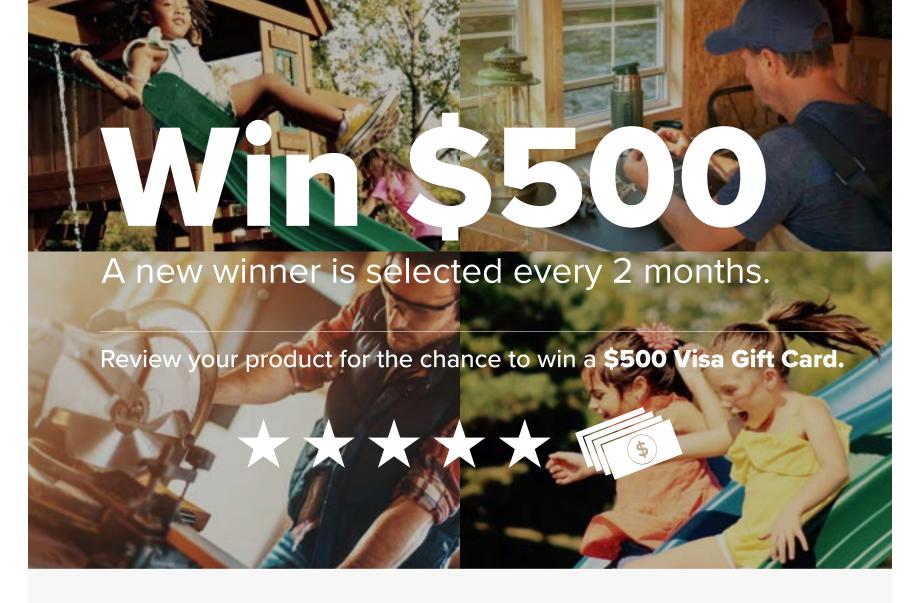
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How to	Enter:	Open camera. Aim. Tap.	Contraction of the second seco
1	2	3	4
<b>Scan</b> QR code above.	<b>Click</b> 'write a review'	<b>Find your product.</b> Tell us what you think.	<b>Submit your review.</b> You'll be notified by e-mail if you'ye won the \$500 gift card

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# ASSEMBLY MANUAL

MARCO SERIES PRINCETON 10' x 10' (305 x 305 cm) ACTUAL FLOOR SIZE IS 120 x 116-5/8" (305 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 7.

#### CHECK ALL PARTS

Inventory all parts listed on pages 4 - 5. 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.

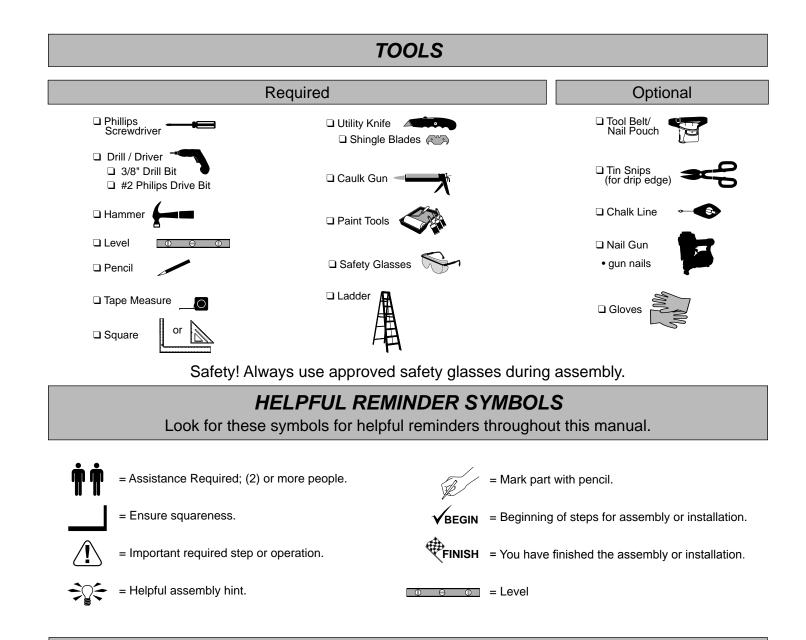


## - CUSTOMER SERVICE -



Call: 734-242-6900

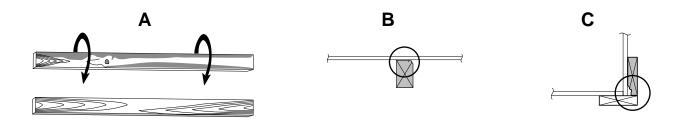
email: customerservice@backyardproducts.com



#### 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 frame system. It does not include any floor panels.
- See page 6 for the additional floor panel sizes and quantities required.
- This shed kit does not include ANY leveling materials.
- See the FLOOR LEVELING section on page 7 for recommended methods and suggested materials to properly level your floor, as this will vary depending on your specific site.

#### REINFORCED WOOD FLOOR FRAME (OPTIONAL)

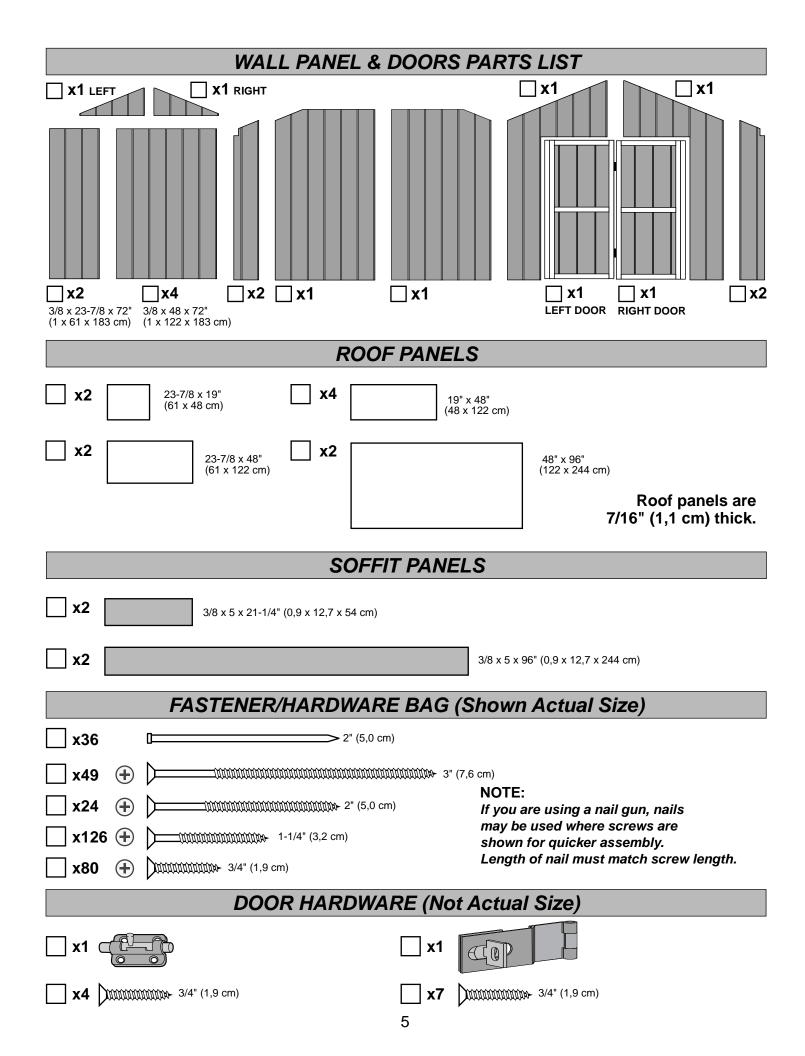
**IMPORTANT!** The included floor has been designed for general use. Depending on your specific use you may want to construct a heavy duty floor frame by adding additional floor joists (shown below as shaded). Below is a list of additional materials (not included):

<ul> <li>x1 2 x 4 x 10' (5 x 10 x 305 cm) Treated Lumber Cut to (5) 2 x 4 x 21" (5 x 10 x 53,3 cm)</li> <li>x5 2 x 4 x 8' (5 x 10 x 244 cm) Treated Lumber Cut to (5) 2 x 4 x 89-1/2" (5 x 10 x 227 cm)</li> <li>x40 ea. 3" (7,6 cm) Hot Dipped Galvanized Nails</li> </ul>	← Optional 12" (30,5 cm) spacing Standard 24" (61 cm) spacing
COMPLETING YOU You will need these addition	
3-TAB SHINGLES 5 Bundles	1" GALVANIZED ROOFING NAILS 2
PAINT FOR SIDING	PAINT FOR TRIM1 Qu Use 100% acrylic latex exterior paint.

Lbs uart 1" GALVANIZED ROOFING NAILS .......... 1/4 Lb CAULK ...... 3 Tubes For roofing felt. Use acrylic latex exterior caulk that is paintable. > 3" (7,6 cm) **X2** lbs. x4 lbs. > 2" (5,0 cm) TO VALIDATE YOUR WARRANY YOU MUST USE THE FOLLOWING ITEMS: ľ DRIP EDGE ..... 50 Feet **#15 ROOFING FELT** To cover 112 Sq. Ft. of roof area. **REFER TO THE BACK OF THIS MANUAL AND THE MANUFACTURER'S INSTRUCTIONS FOR** 

INSTALLATION OF SHINGLES, DRIP EDGE AND FELT.

		PART	TS IDENTIFICATION A	AND SIZES
	identific	ation on some parts.	Treated lumber is stamped:	WOOD SIZE CONVERSION CHART Nominal Board Size Actual Size
	$\leq$		TREATED	2 x 4
	RS	B RS		1 x 4
• Ch	eck these	locations for part stamp.		1 x 3
			<b>PARTS LIST</b> RTS before you begin. orting parts by the categor	ry they are listed in.
R	🛄 x(	<b>6</b> TREATED 2 x 4 x 21" (	(5 x 10 x 53 cm)	Treated lumber is stamped:
FLOOR	<b>X</b> 4	TREATED	2 x 4 x 48" (5 x 10 x 122 cm)	TREATED
1.0	<b>X</b> 4	TREATED	2 x 4 x 72" (	(5 x 10 x 183 cm)
				2 x 4 x 89-1/2" (5 x 10 x 227 cm)
	<b>x</b>	1 LT 2 x 3 x 22	2-1/8" (5 x 7,6 x 56 cm)	
	<b>x</b> 4	4 NH	2 x 3 x 46-1/4" (5 x 7,6 x 117,5 c	cm)
	<b>x</b>	B OV	2 x 3 x 69" (\$	5 x 7,6 x 175,3)
LL	<b>x</b>	2 OZ	2 x 3 x 70-1/	/4" (5 x 7,6 x 178,4)
MALL	<b>x</b>	4 OY	2 x 3 x 72"	' (5 x 7,6 x 183 cm)
	<b>x</b>	4 PB	2 x 3 x	77" (5 x 7,6 x 196 cm)
	<b>x</b>	2 PR		2 x 3 x 94-1/2" (5 x 7,6 x 240 cm)
	<b>x</b>	2	7/16 x 2-1/	/2 x 73-1/2" (1,1 x 6,3 x 187 cm)
SS		<b>6</b> x 24" (15 x	x 61 cm)	
TRU,			2 x 4 x 65-7/8" (	(5 x 10 x 167 cm)
F				
		<b>2 DN</b> 1 x 3 x 23	3-1/4" (2,5 x 7,6 x 59 cm)	
	<b>X</b> 4	4 <u>CDD</u>	2 x 3 x 58" (5 x 7,6 x 147,3 c	cm)
1	<b>x</b>	1 <u>XMA</u>	11/16 x 2-1/2 x 60-5/8" (1,	,7 x 6,3 x 154 cm)
		2 BS		1 x 3 x 95-1/2" (2,5 x 7,6 x 242,5 cm)
	— — x′	<b>1 GAA</b> 1 x 3 x 5" (2 5 x 7 6 x 7	12,7 cm) USED AS A GAUGE BLOCK FO	OR 3/4" (1 9 CM) MEASUREMENT 3/4"
		$\sim$		
	<b>    X</b> 4	<b>4</b> 3/4 x 5-1/8 x 8-3	B/8" (1,9 x 13 x 21,3 cm) RIGHT PAINTED	
DOOR		2 00	69" Door Stiffer	ner (175,3 cm)
DO	<b>X</b>	1 ZJ	5/8 x 3 x 7	'2" (1,6 x 6,3 x 183 cm)
	•		4	

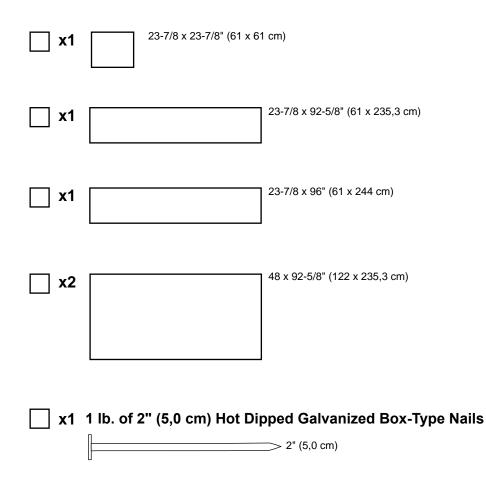


## FLOOR PANELS (Not Included)

You will need floor panels and nails to complete your floor. -Floor panel sizes and

quantities are shown below.

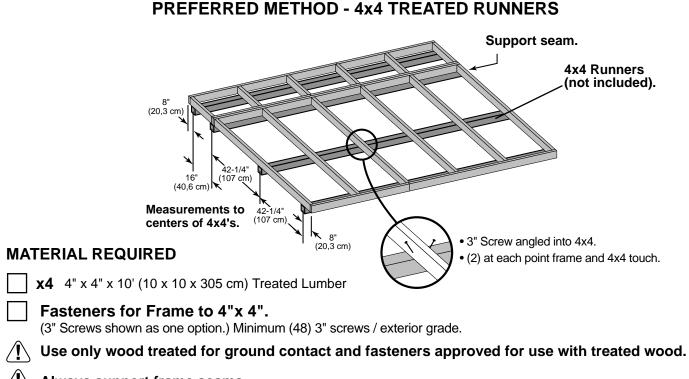
NOTE: Use a minimum of 5/8" (1,6 cm) oriented strand board (OSB).



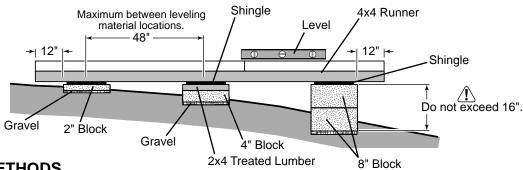
## NOTES

## 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.



#### 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

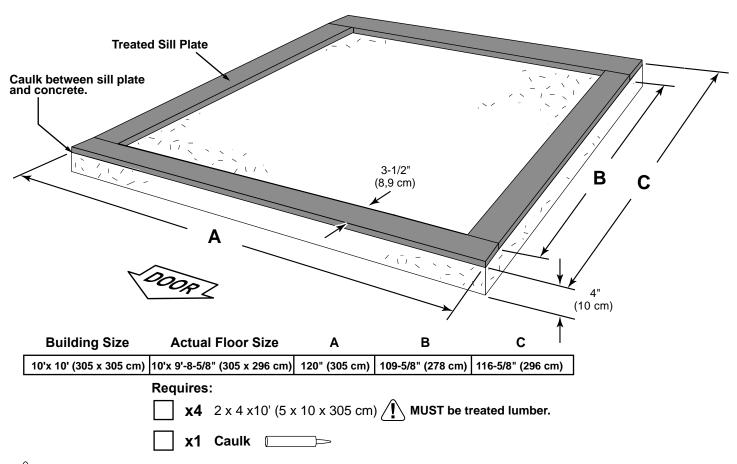
Asphalt Shingles

# Leveling higher than 16" not recommended.

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

#### **CONCRETE FOUNDATION**

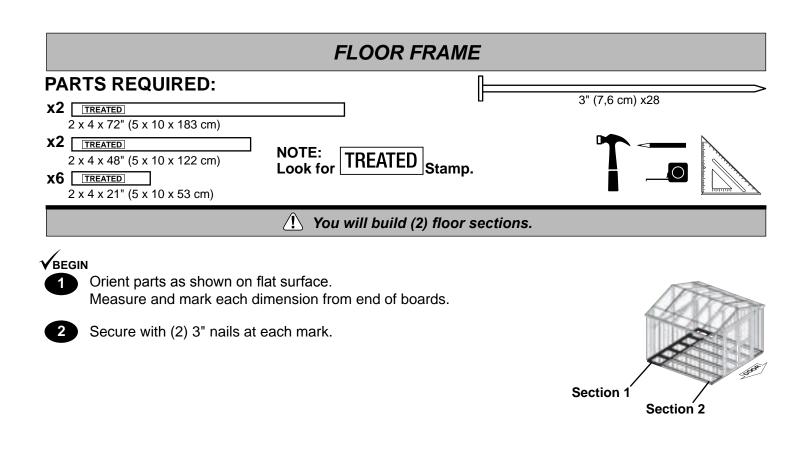
Your kit contains all materials to construct a wooden floor. If you choose to install your kit on a concrete slab refer to the diagram below.

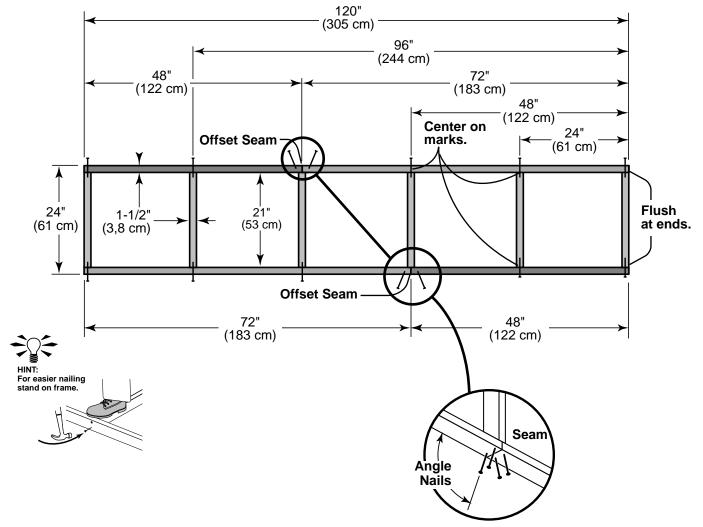


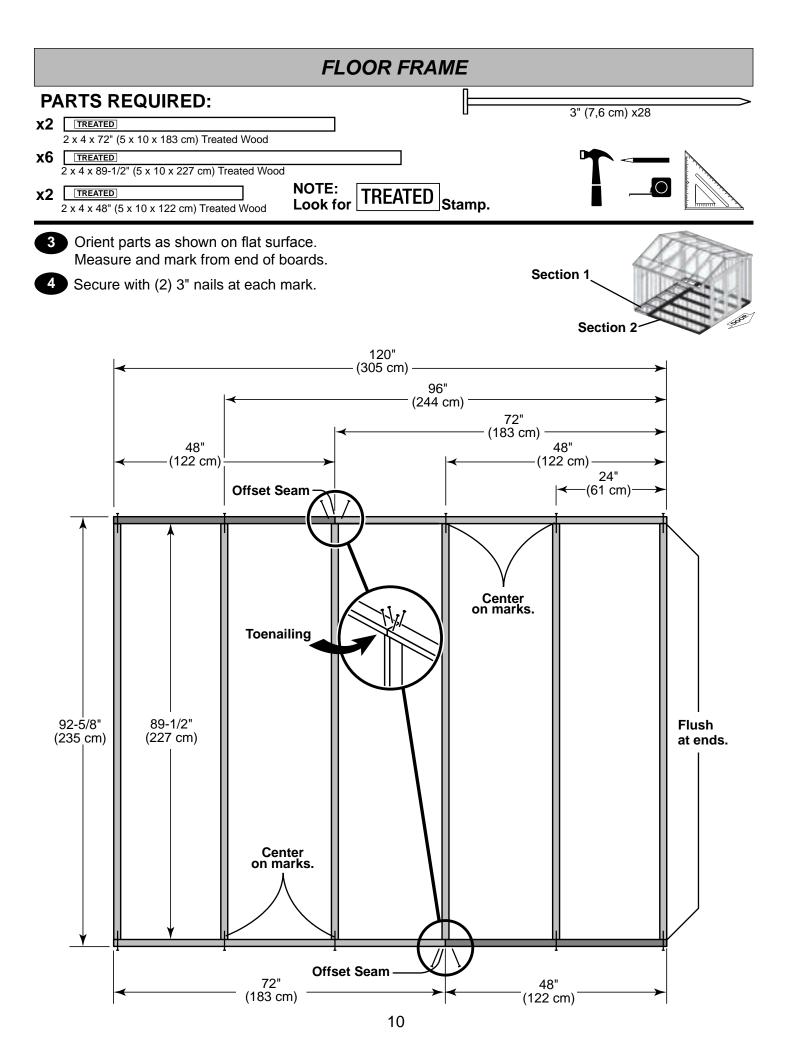
Allow new concrete slabs to cure for at least seven (7) days.

- 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

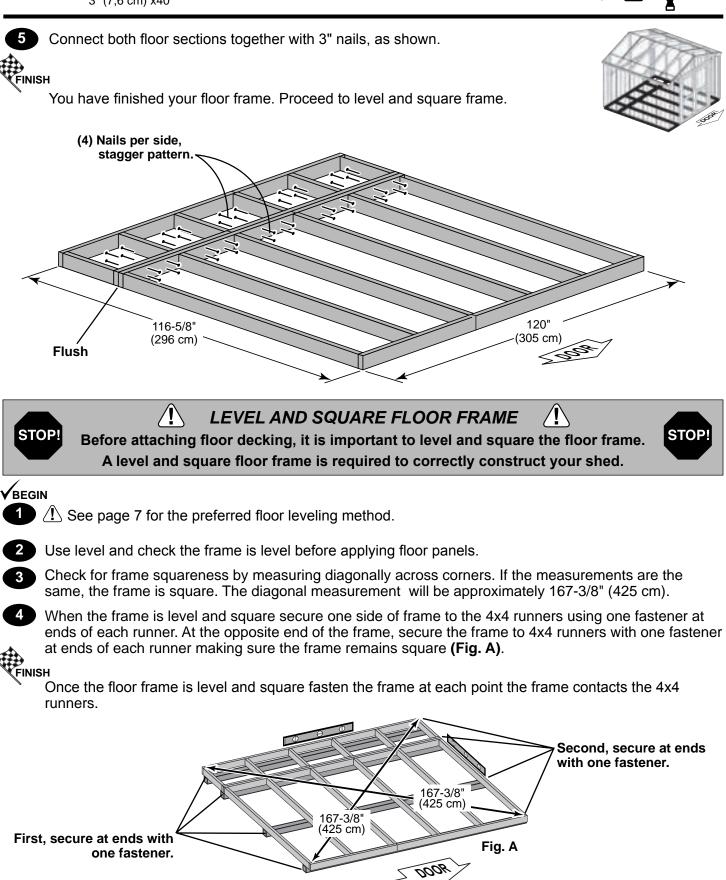






## FLOOR FRAME

3" (7,6 cm) x40



		I	-LOOR	PANEL	S		
PARTS REC		SEE I AND	OR PANELS PAGE 6 FC QUANTITI	OR PANEL		F	2" (5 cm) x55
	5/8 x 48 x 9 (1,6 x 122 x						
BEGIN Install (1) with the 4 Secure pa	your floor fran 48 x 92-5/8" par 8" edge and cor anel with (2) 2" n ne opposite end.	nel with the roug ner flush to the ails in the corne	gh side up (p floor frame <b>(</b> rs.	painted-grid ( <b>Fig A)</b> .	l lines side)	)	Frame.
panel side Secure pa	e-to-side until the anel with (2) 2" n	ails in the corne	ers.				
same you	Ir floor frame is s	square. The mea	asurement w	vill be appro	oximately 1	67-3/8" (42	
	securing the par alk line or use pr						ide panel.
		(3,8 cm) 3/4"→ (1,9 cm) Approximately	6" (15 cr	n) edges of	f panel.	Flush	Fi
			↓       	•	•  -  •  •		(2) Nails
				 	 	92-5/8" (235 cm)	(2) Nails Flue at the could be a could be could be could be a could be a could be a coul
	Gri	d lines UP			 	 12" (3 ↓	30,5 cm) inside panel.

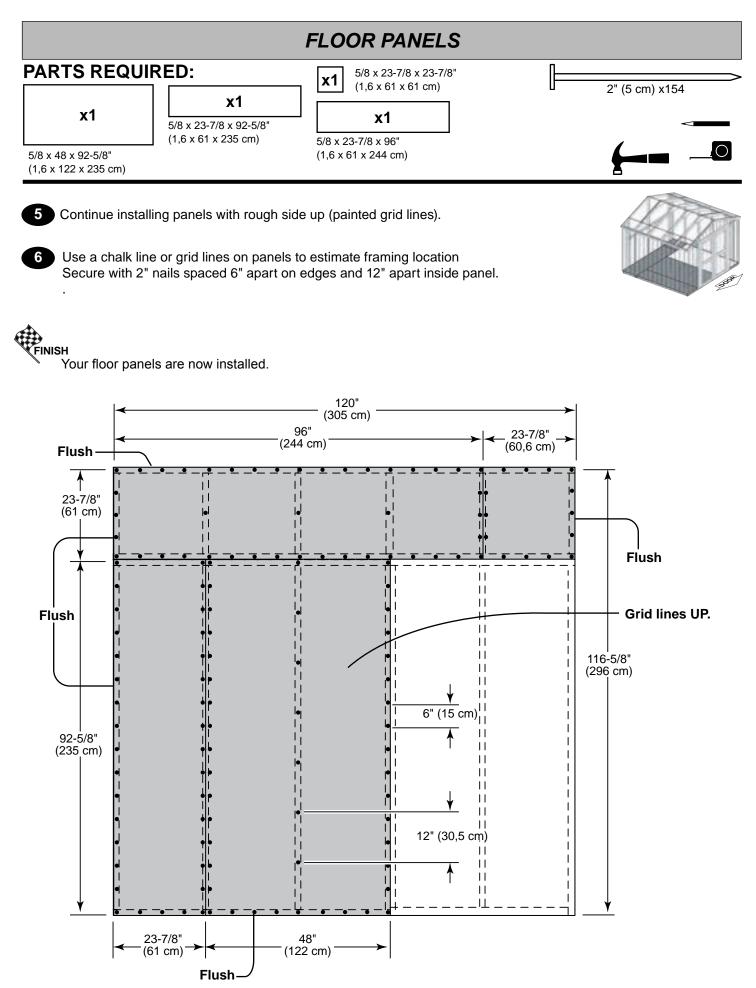
48" (122 cm)<sup>-</sup>

Flush

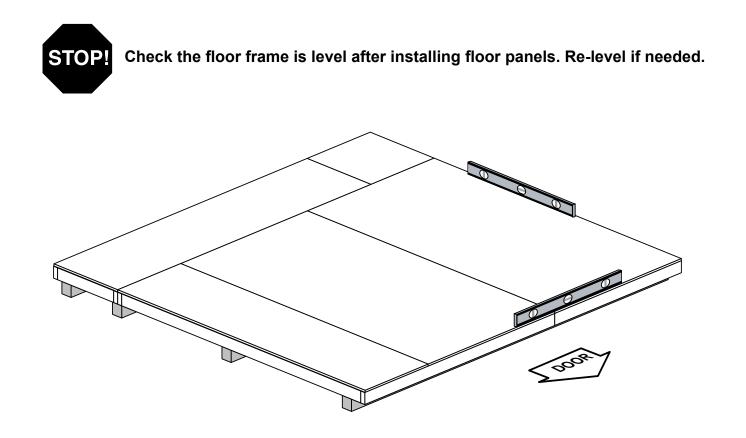
120" (305 cm) -

167-3/8" 167-3/8" i (425 cm) (425 cm)

Fig. C

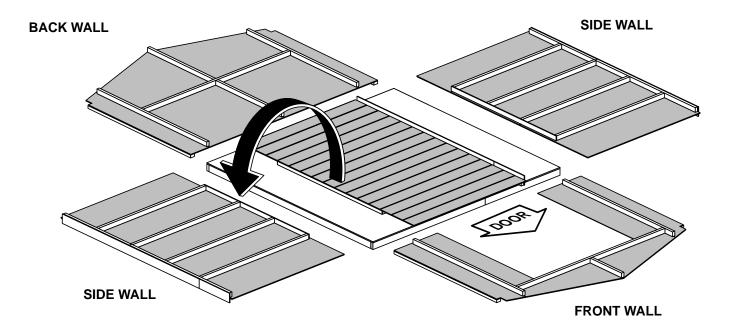


## IMPORTANT!





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



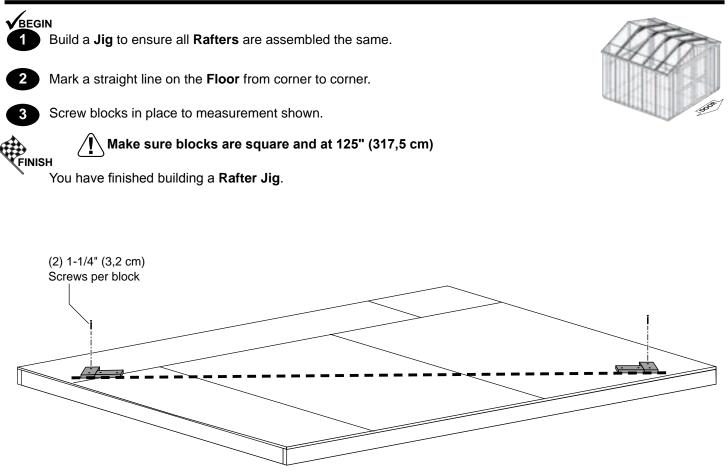
### RAFTER ASSEMBLY JIG

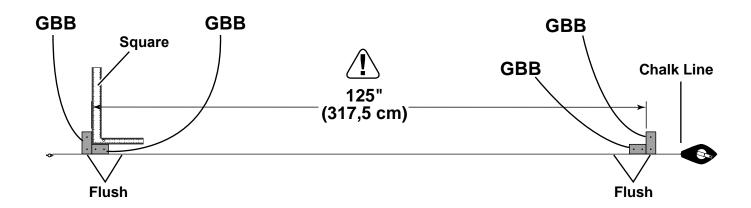
#### PARTS REQUIRED:

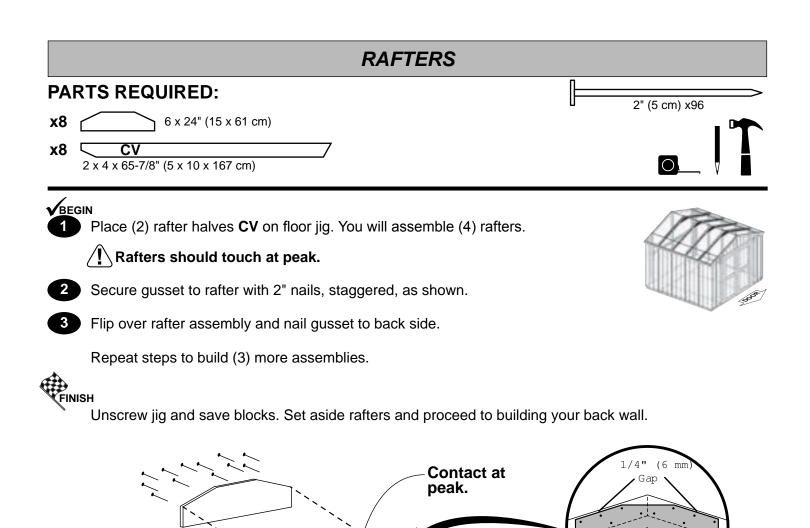
**x4 GBB** 1 x 3 x 7-1/2" (2,5 x 7,6 x 19 cm)

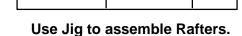
1-1/4" (3,2 cm) x8









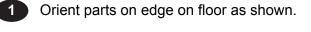


 $\langle \langle \rangle$ 

Gusset

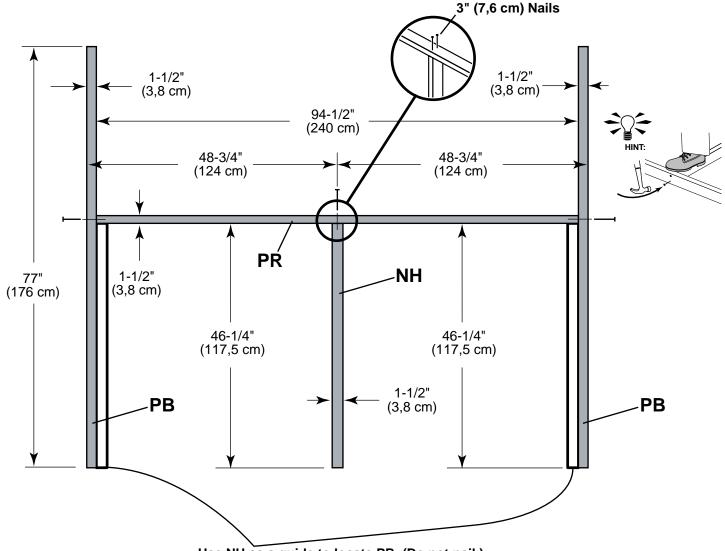
125" (317,5 cm)

#### **BACK WALL FRAME** PARTS REQUIRED: l 3" (7,6 cm) x6 **x1** NH 2 x 3 x 46-1/4" (5 x 7,6 x 117,5 cm) PB x2 $\bigcirc$ 2 x 3 x 77" (5 x 7,6 x 196 cm) x1 PR 2 x 3 x 94-1/2" (5 x 7,6 x 240 cm)

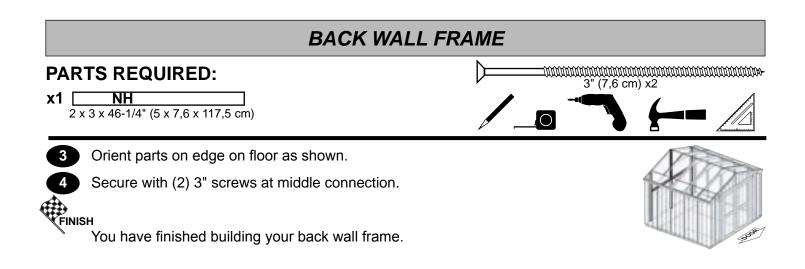


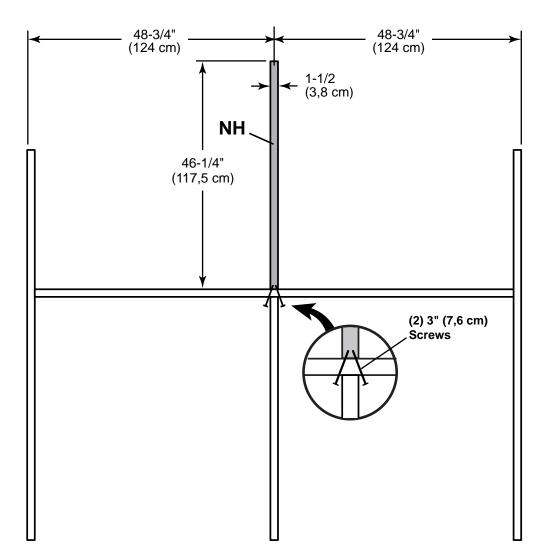
2 Secure with (2) 3" nails at each connection.

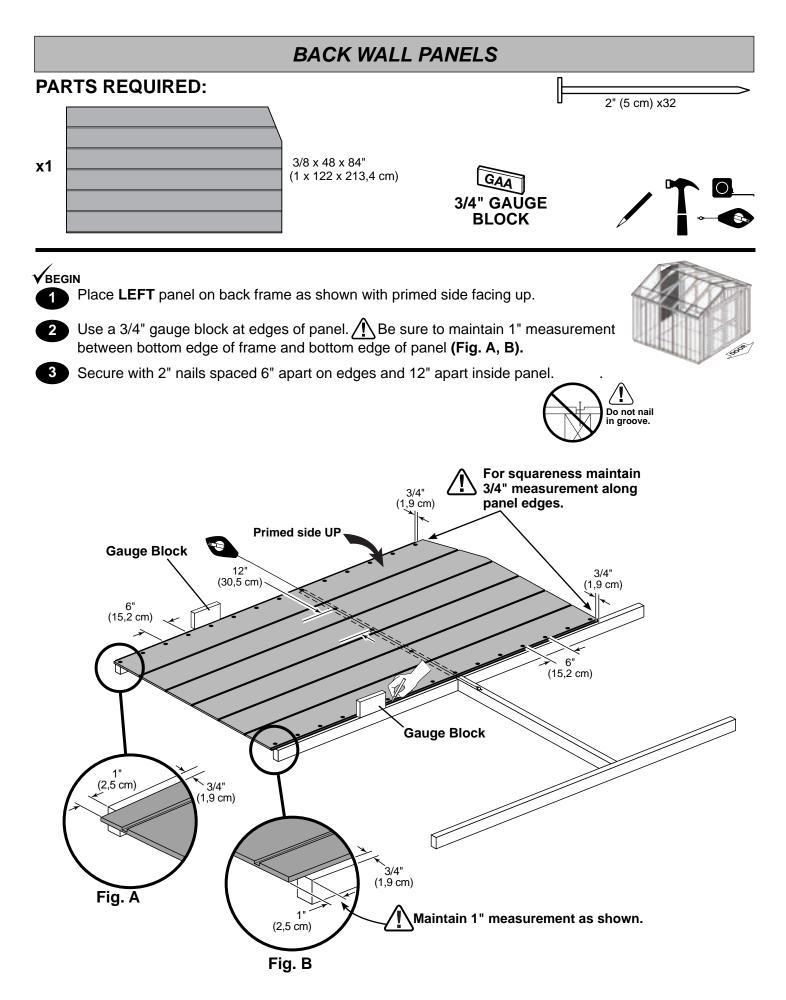


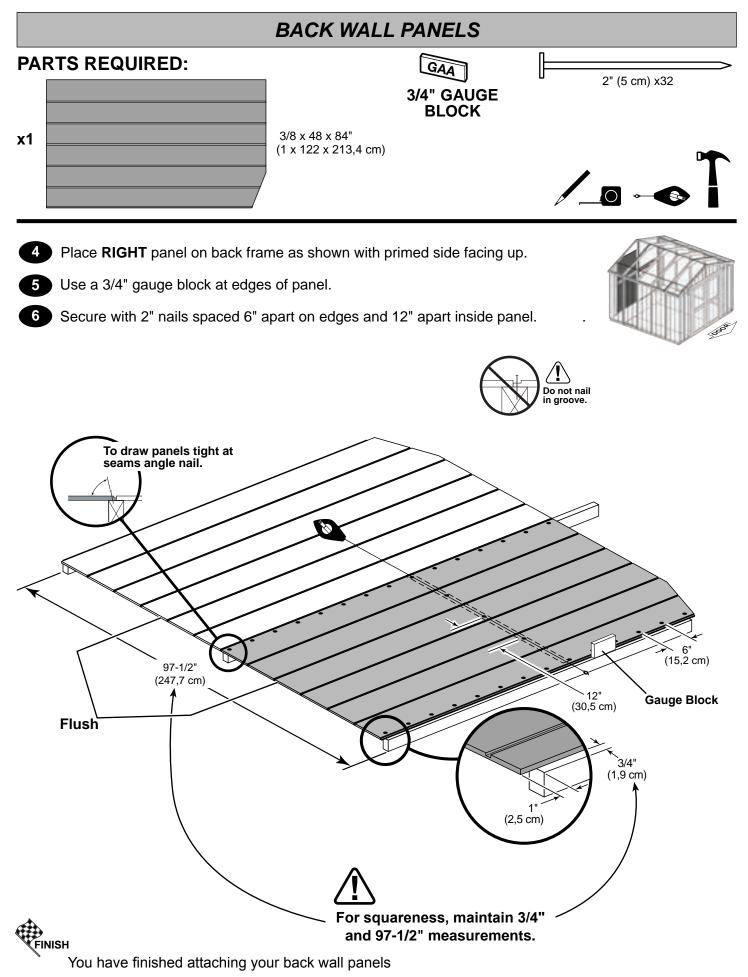


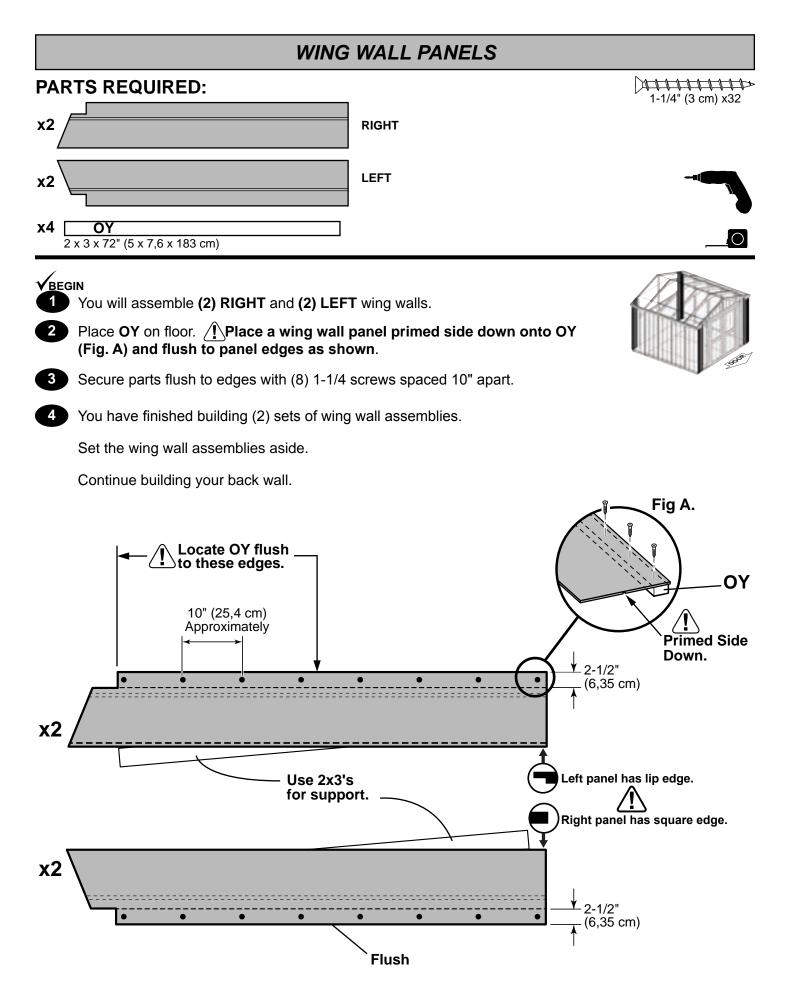
Use NH as a guide to locate PB. (Do not nail.)

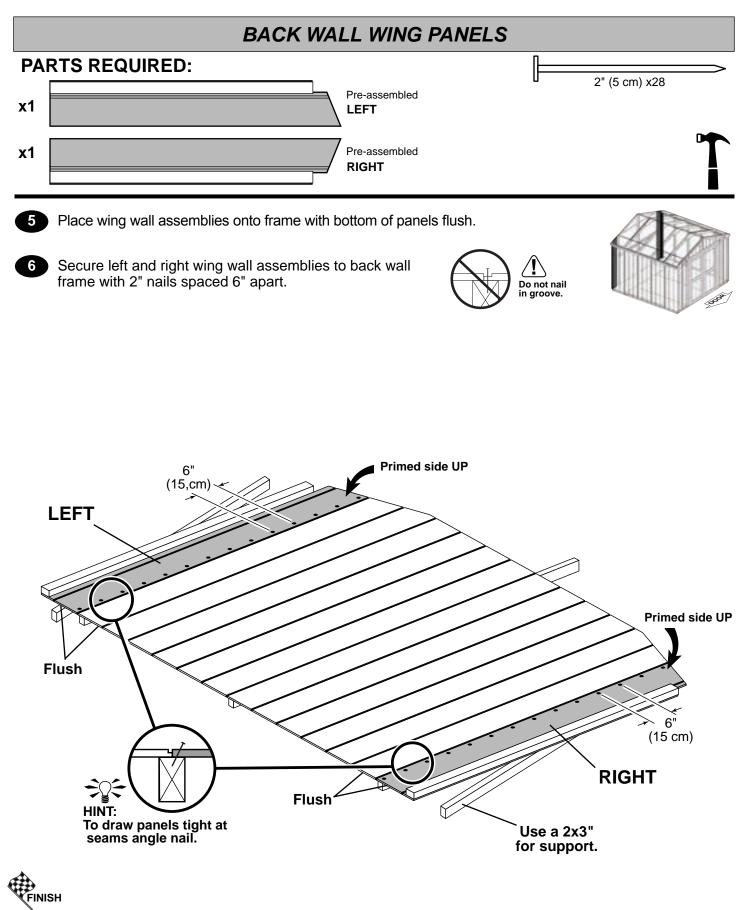




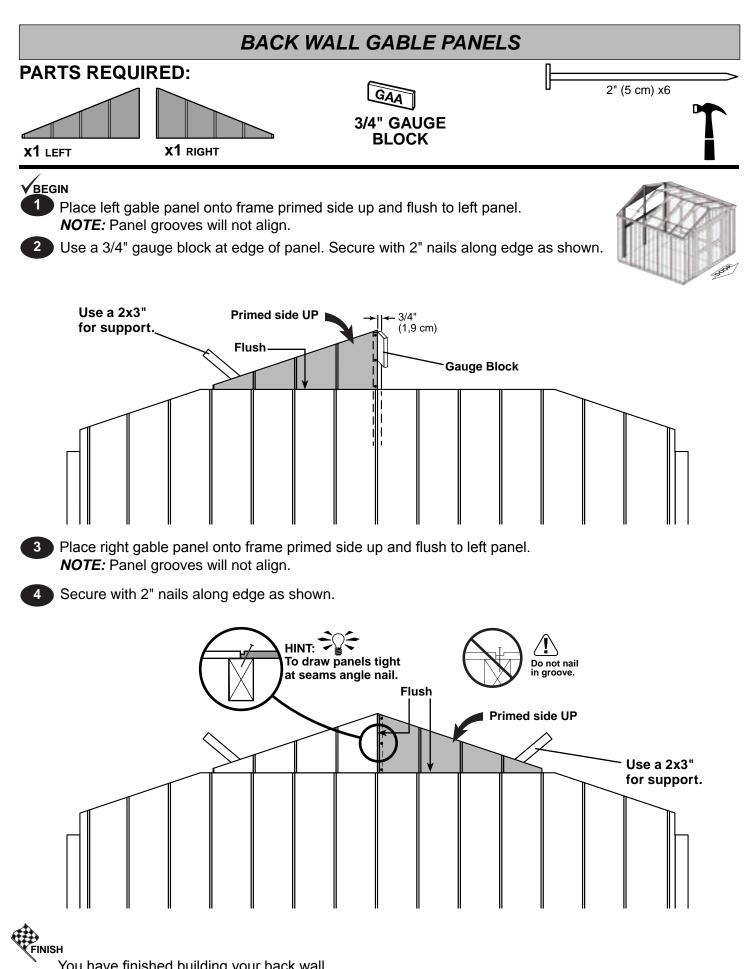




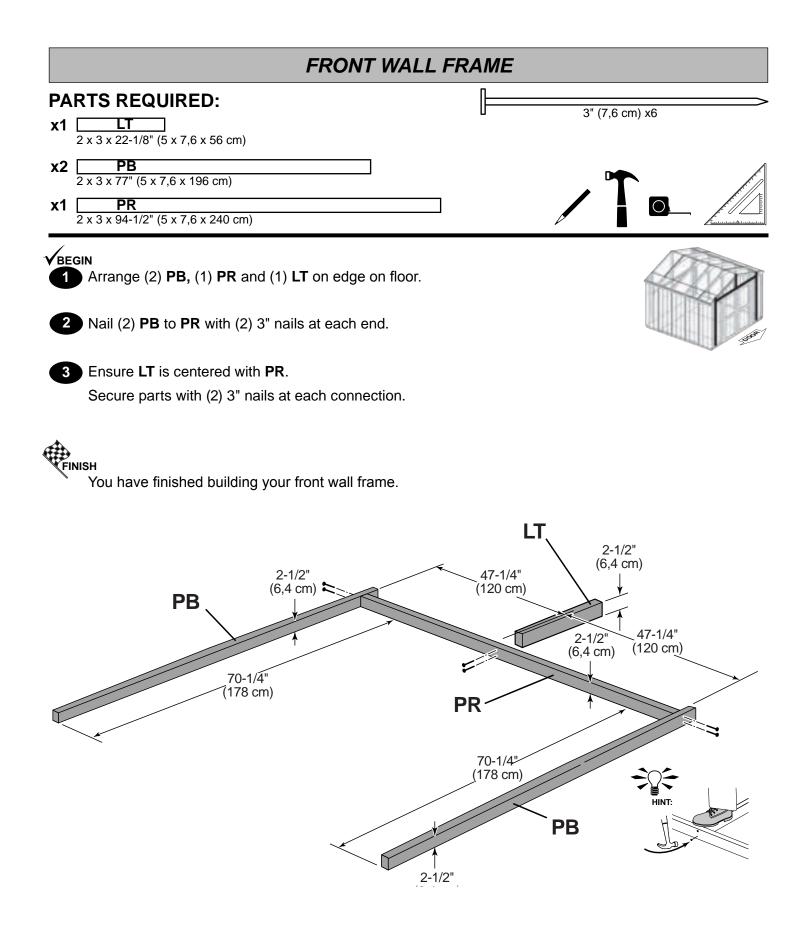


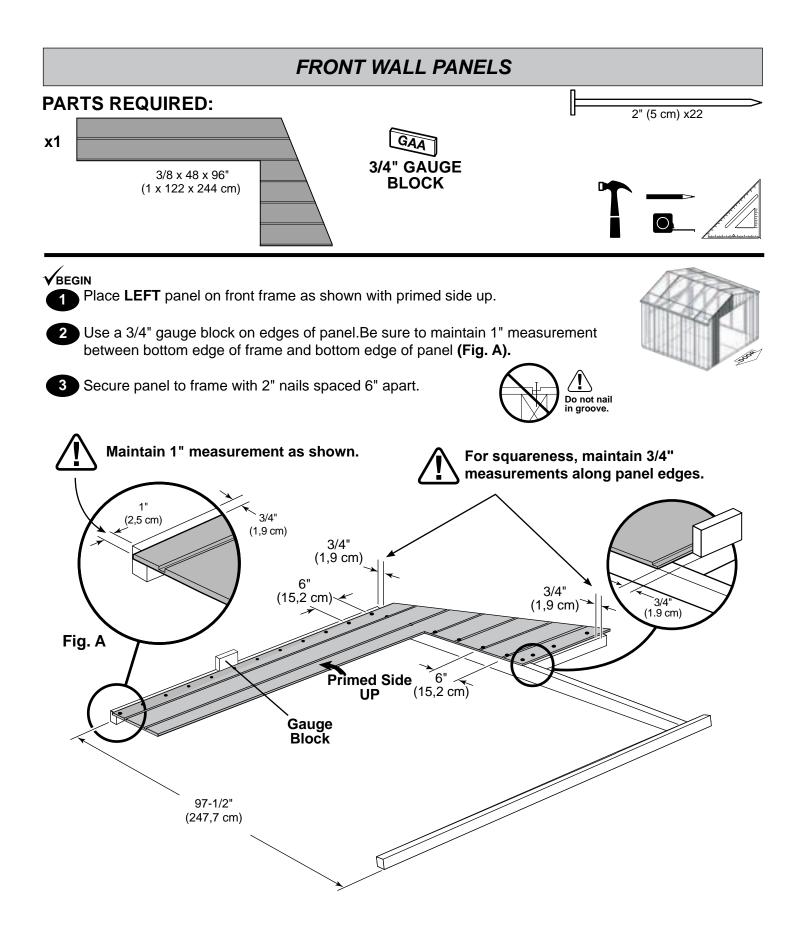


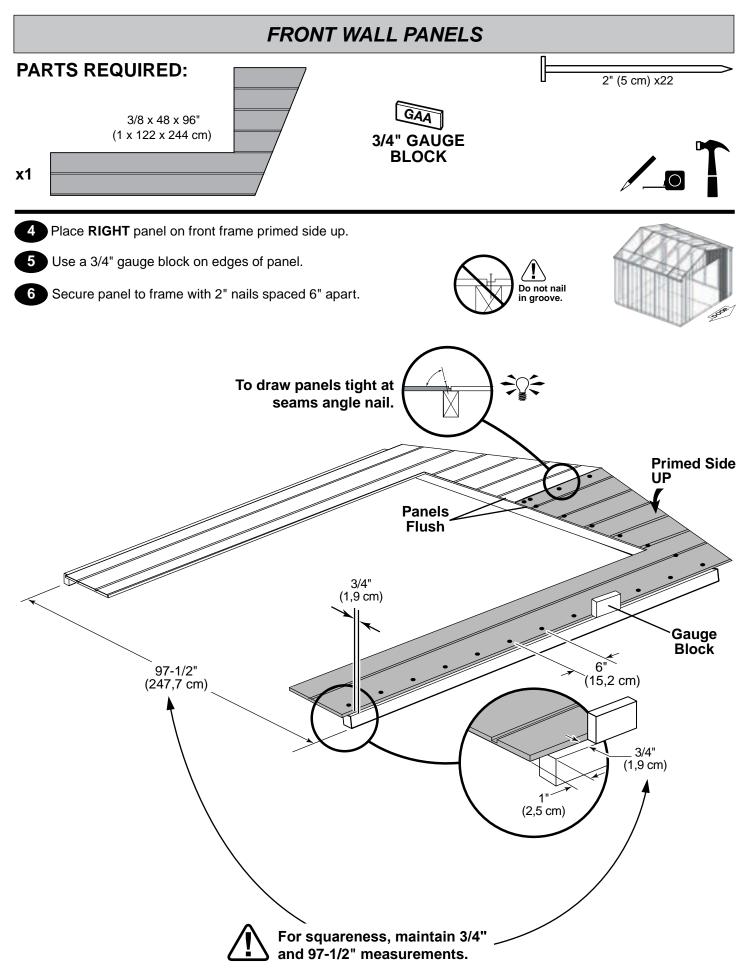
Your wing walls are now assembled.

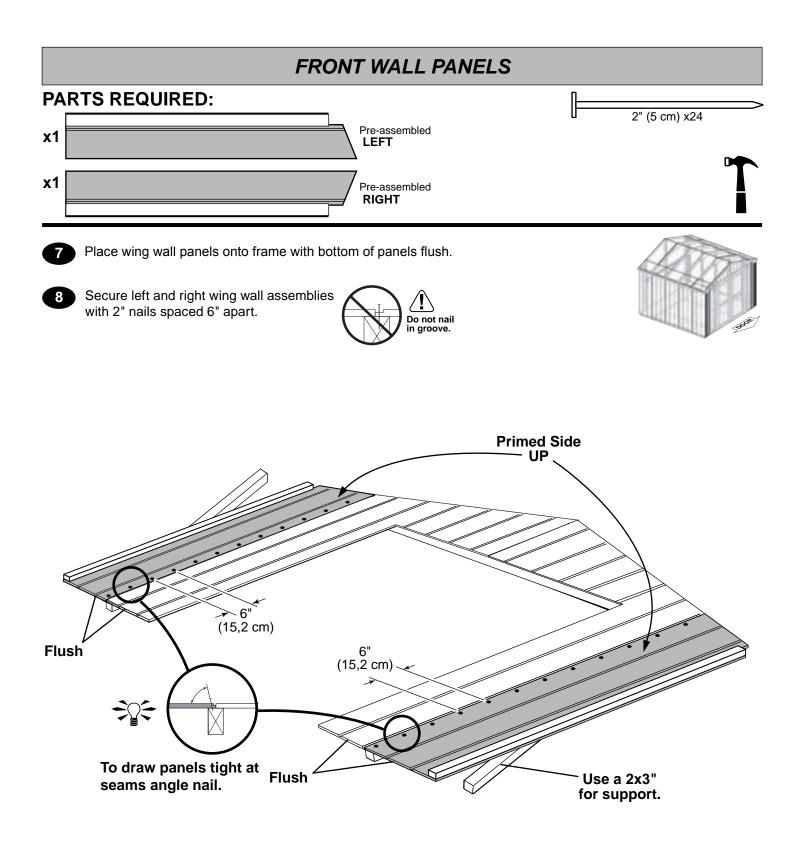


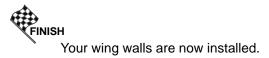
You have finished building your back wall.

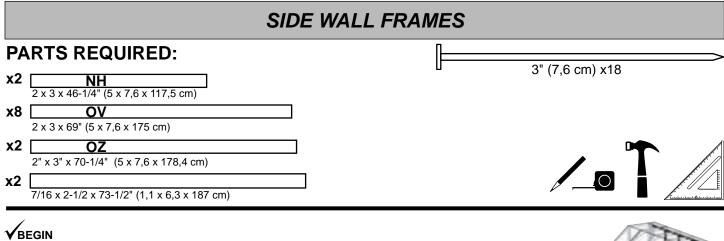










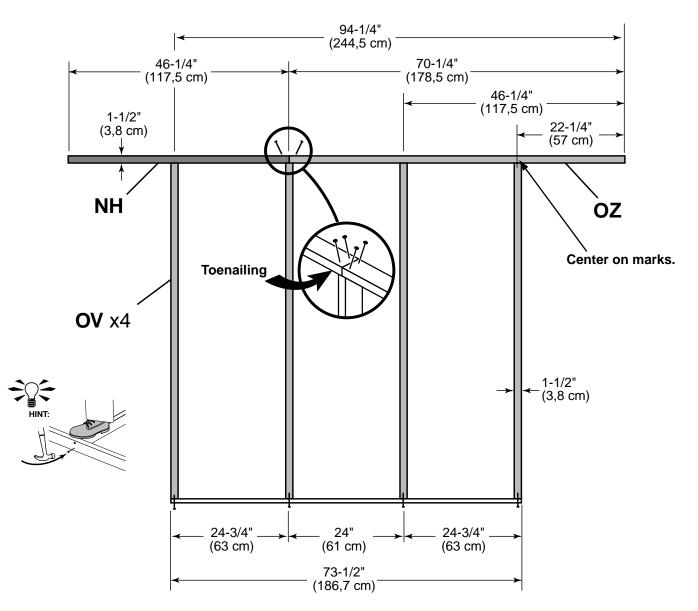


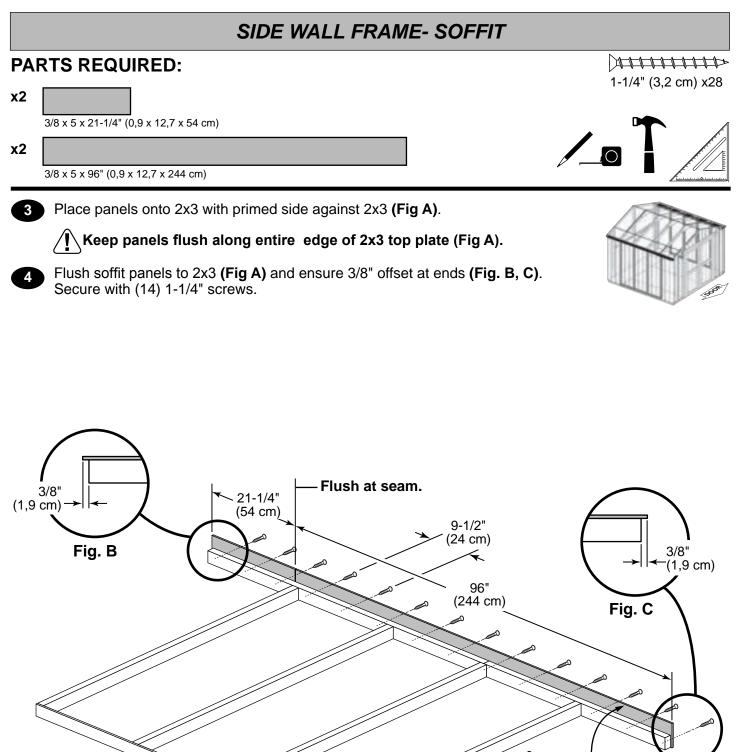
Orient parts on edge on floor. Measure and mark from end of boards. IMPORTANT! You will build (2) walls the same.



Secure with (2) 3" nails at each mark.

2





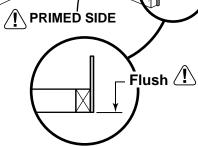
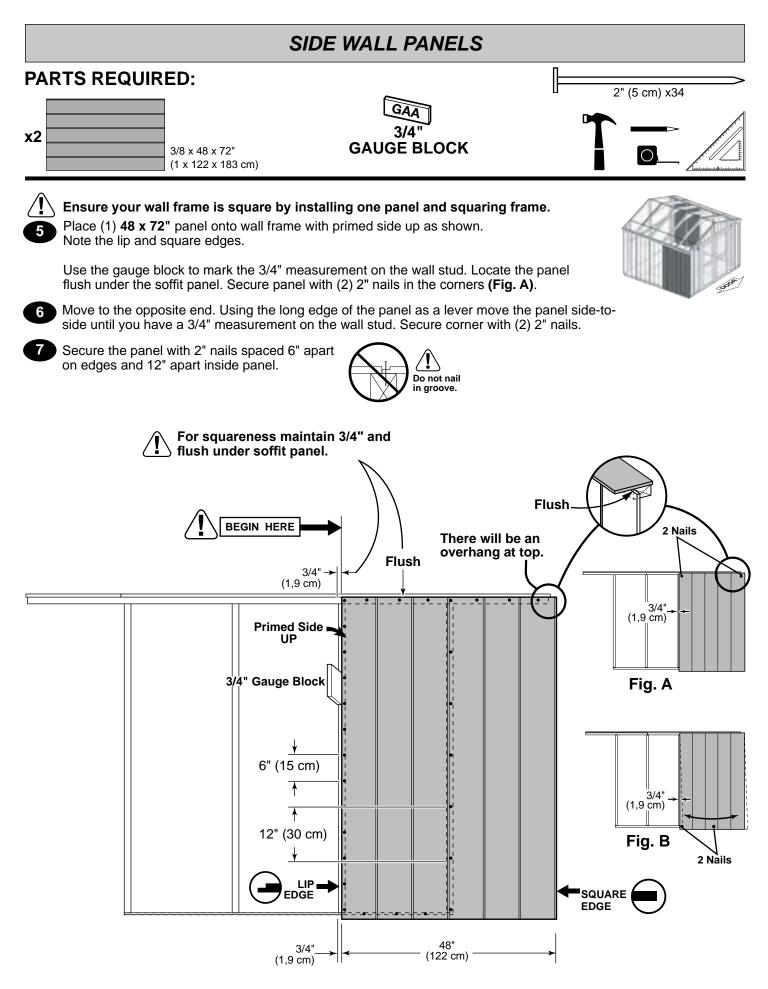
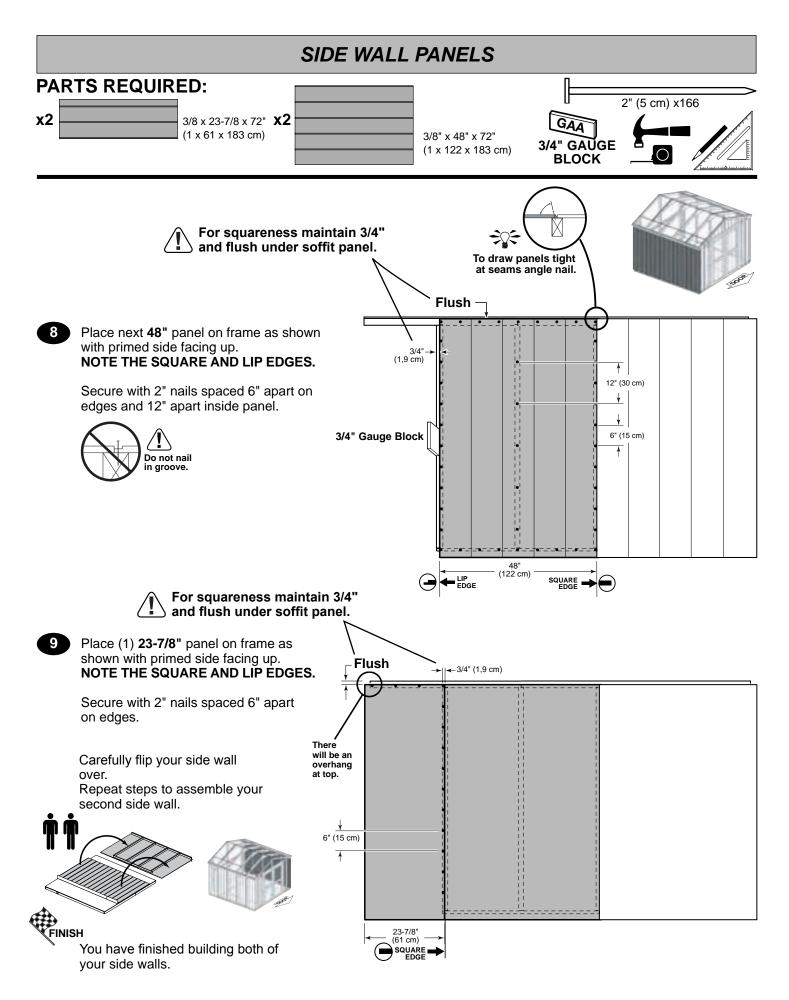
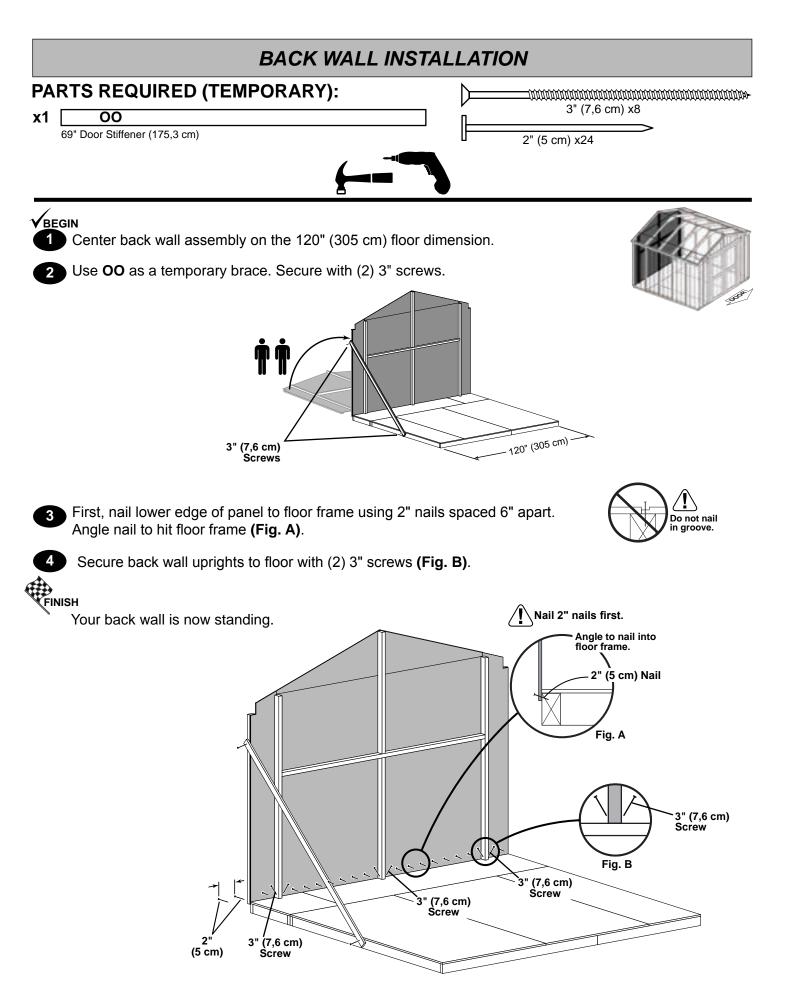
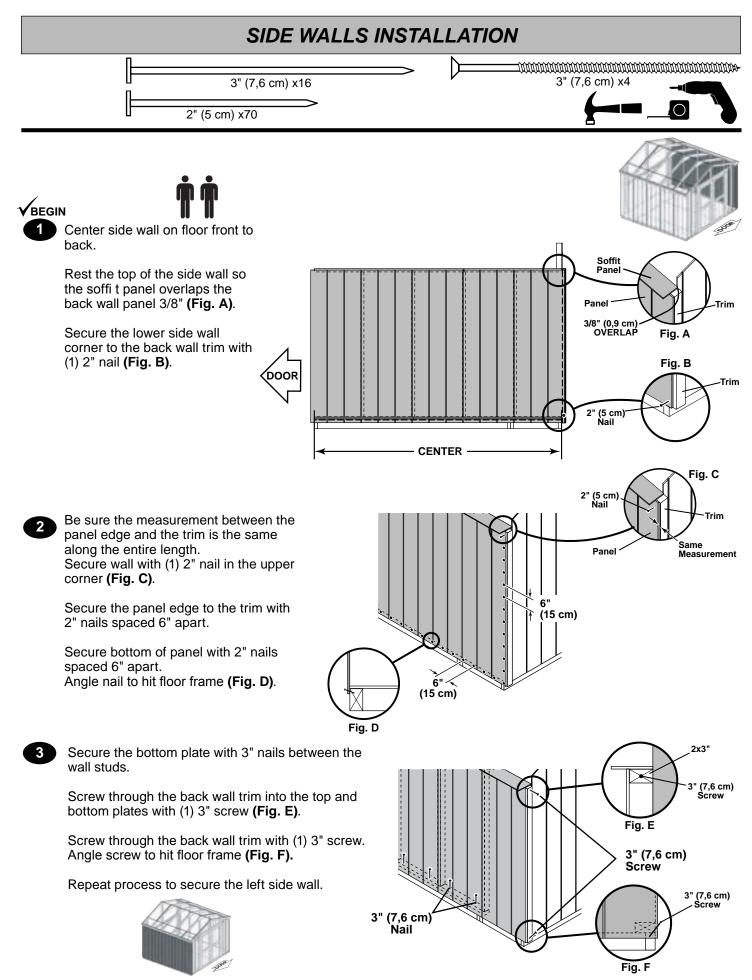


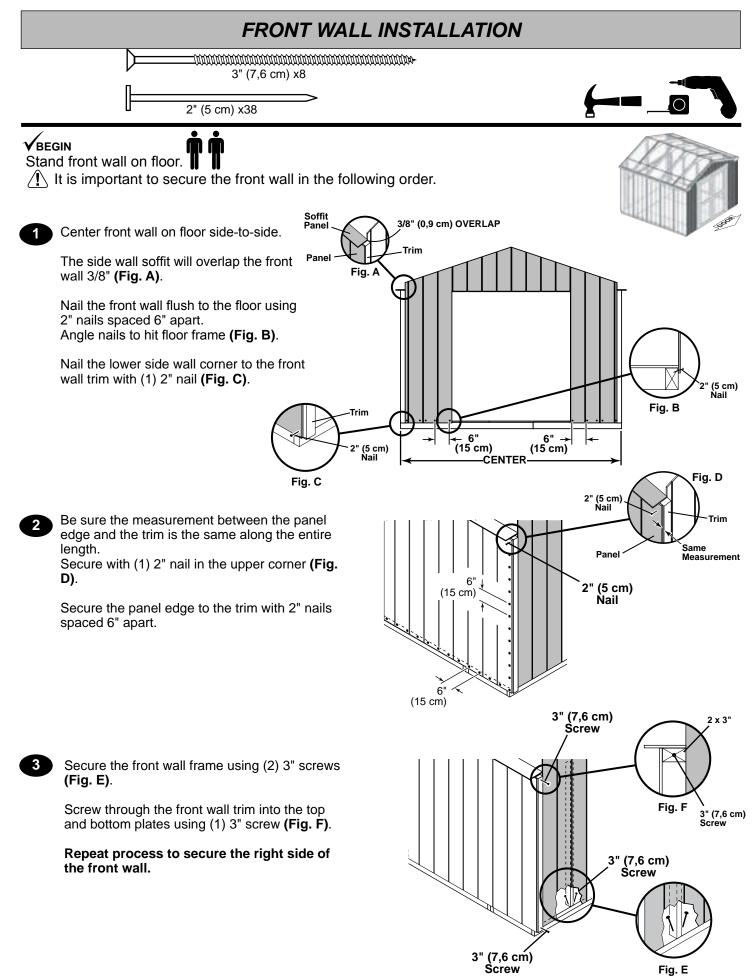
Fig. A

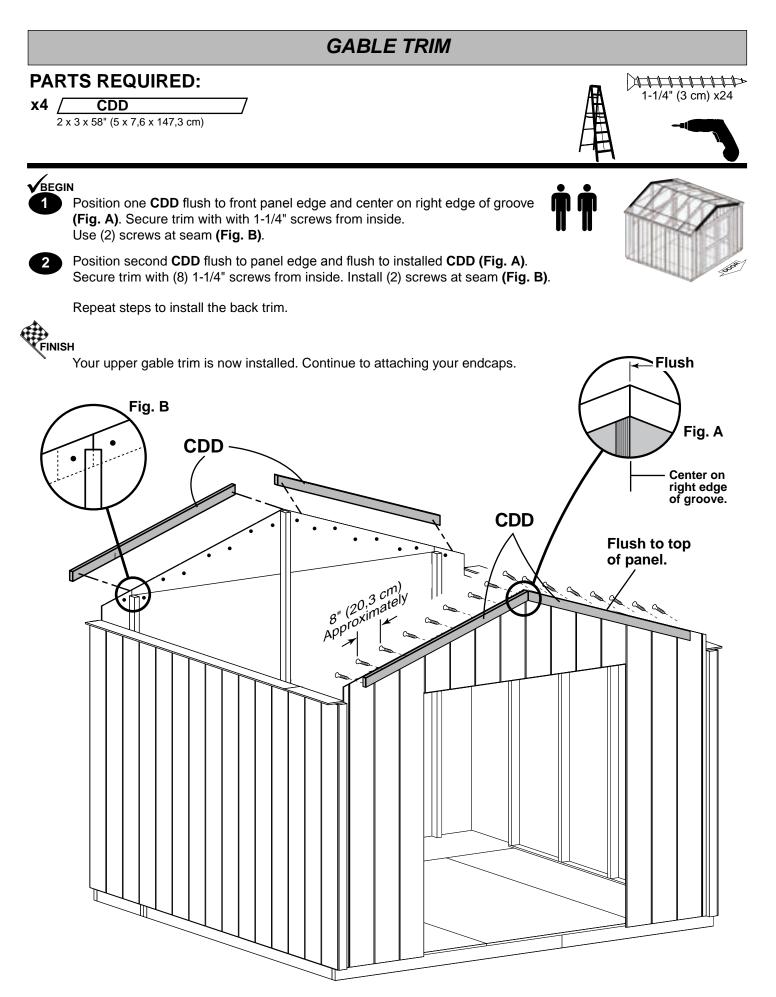


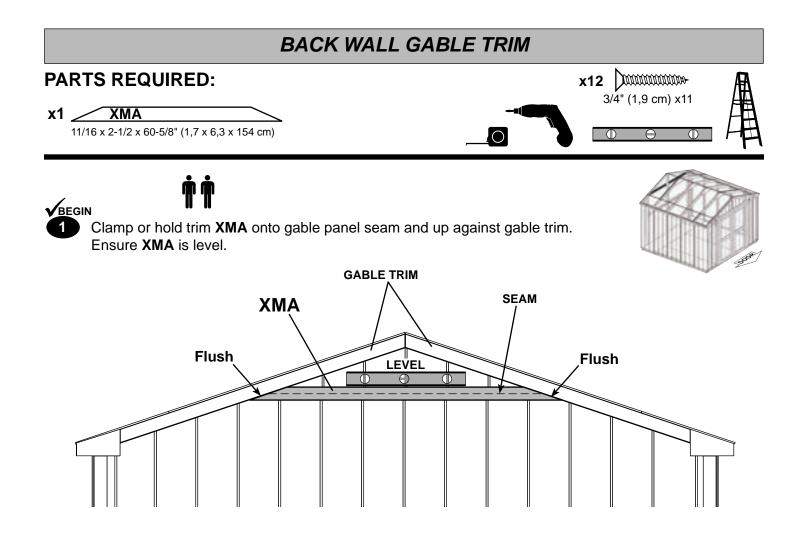




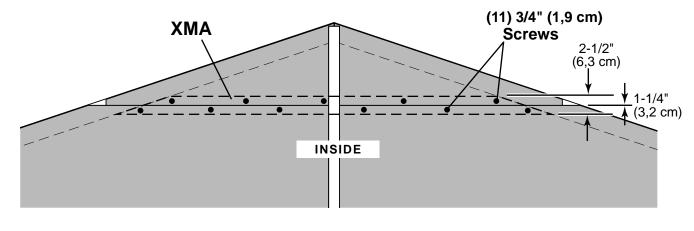




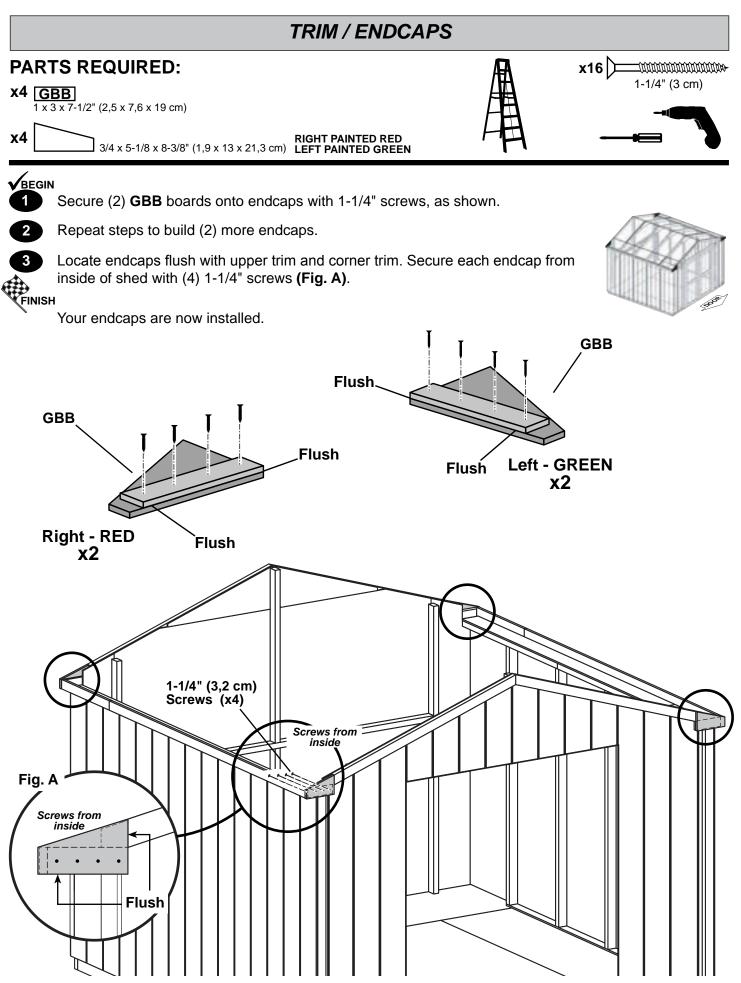


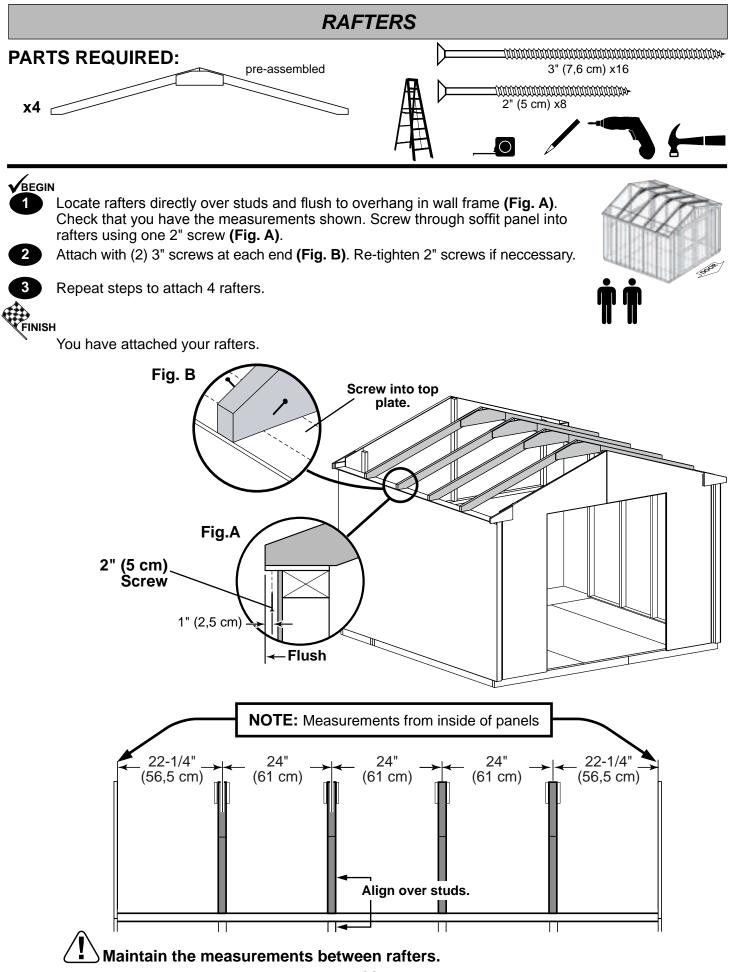


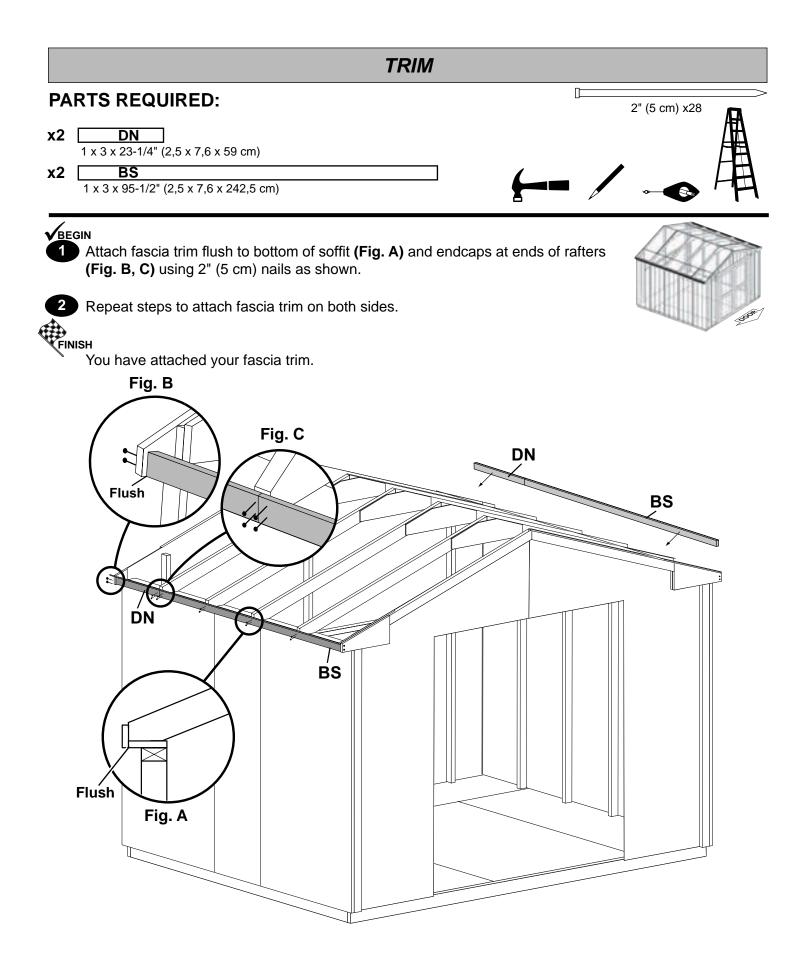
From the inside, secure XMA with 3/4" screws as pattern shows.

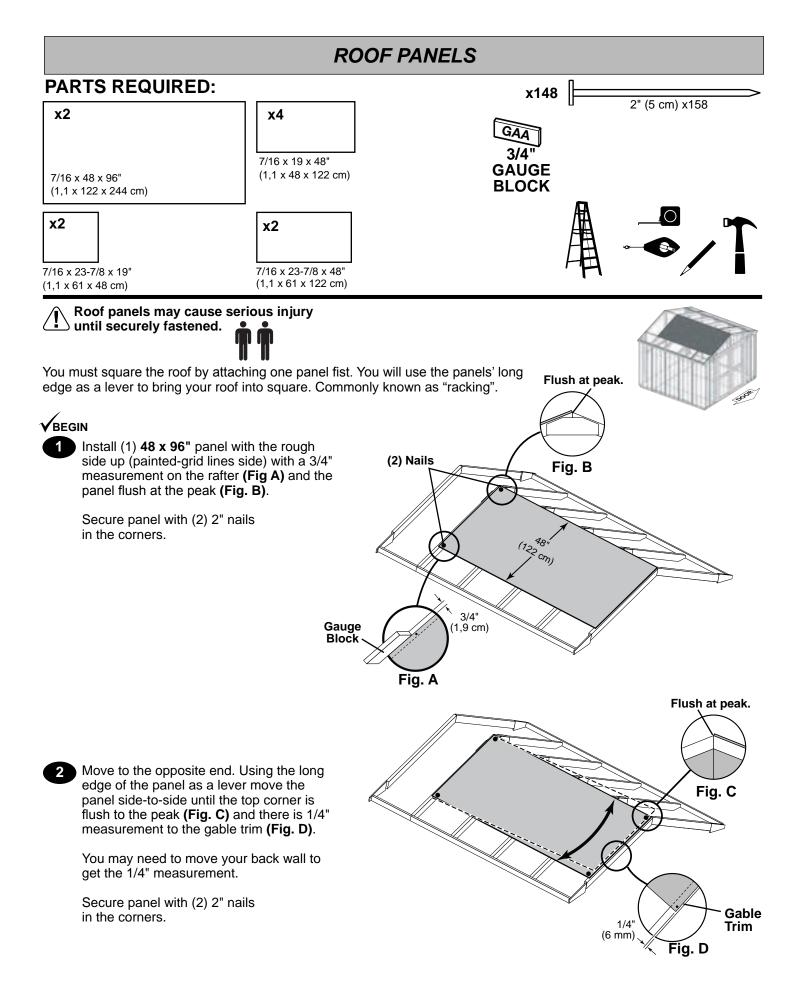


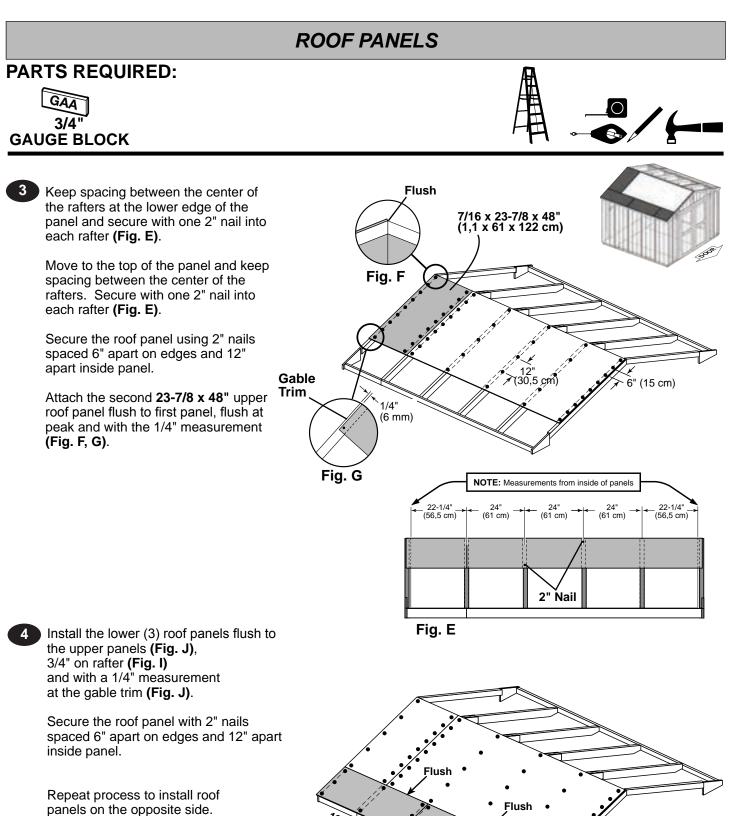
You have attached your back wall gable trim.



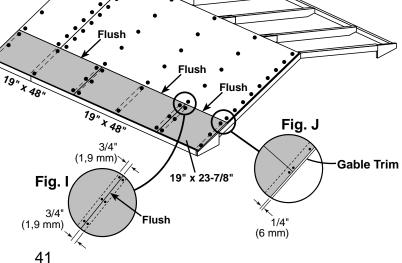


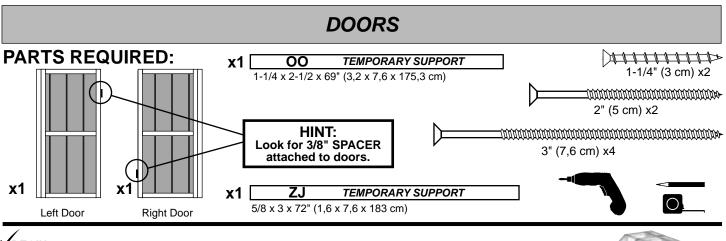












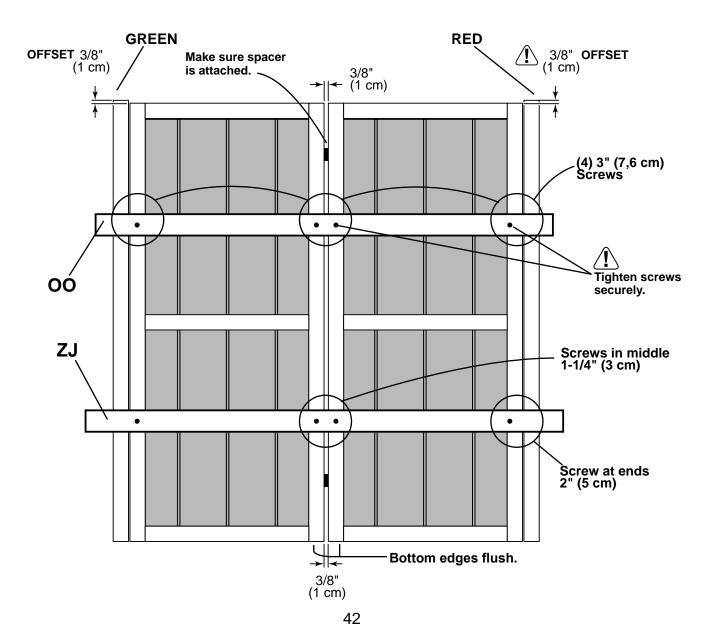
2

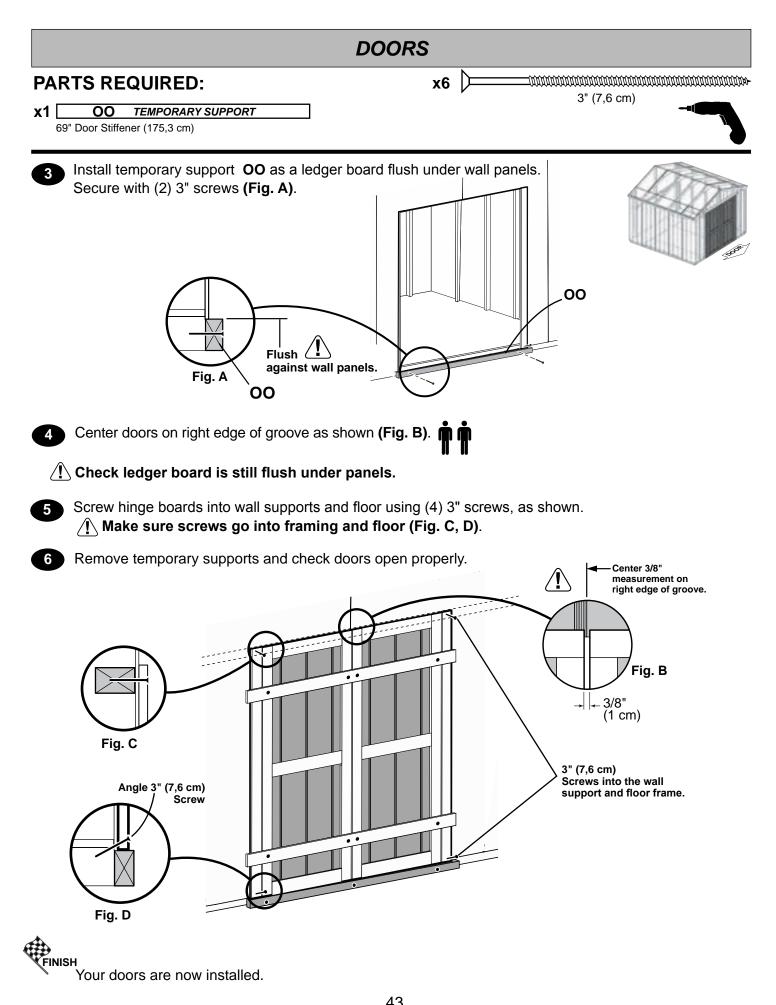
Orient parts as shown on flat surface. (1) 3/8" offset is to top. Look for red (right) and green (left) on hinge board.

See

Install temporary support **OO** with 3" screws in middle and at ends.

Secure temporary support  ${\bf ZJ}$  at bottom with 1-1/4" screws in middle and 2" screws at ends.





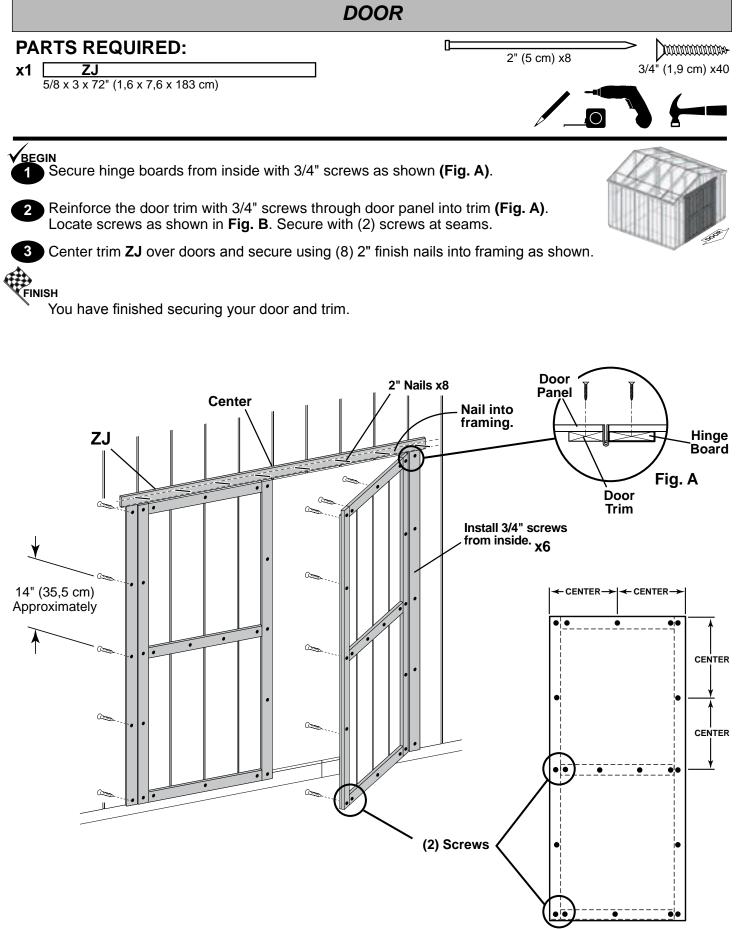
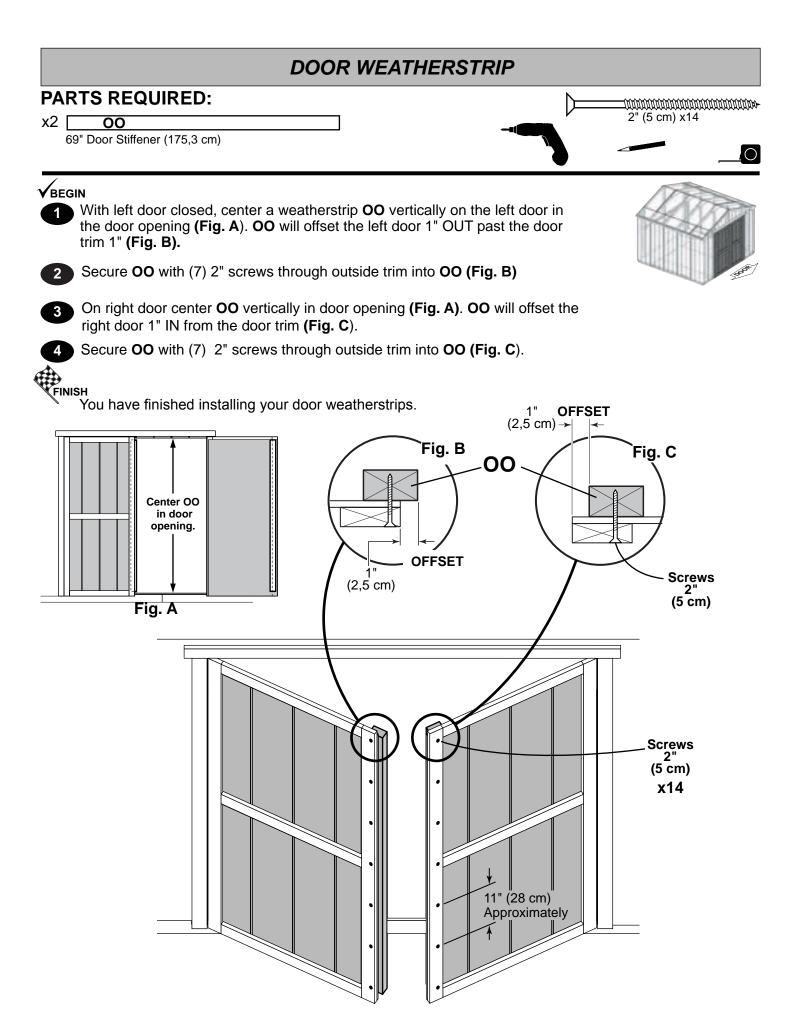
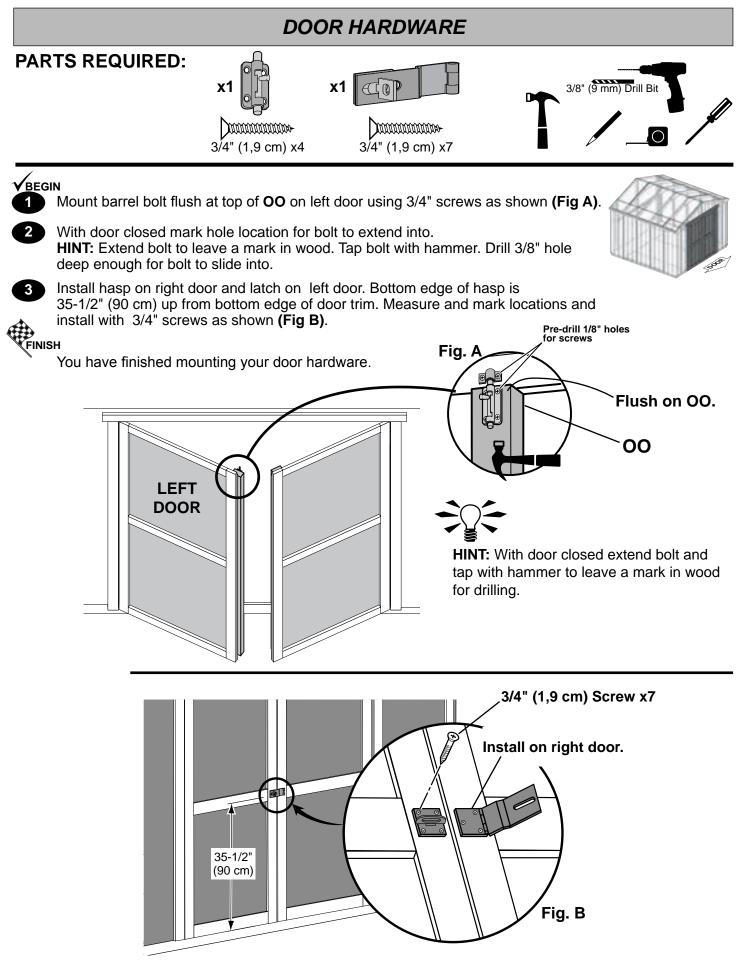


Fig. B





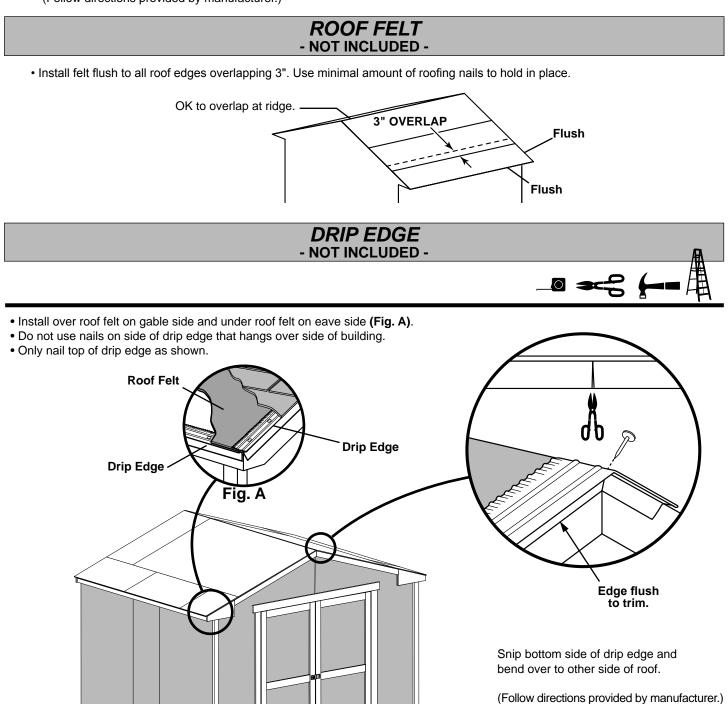
### PAINT & CAULK - NOT INCLUDED -

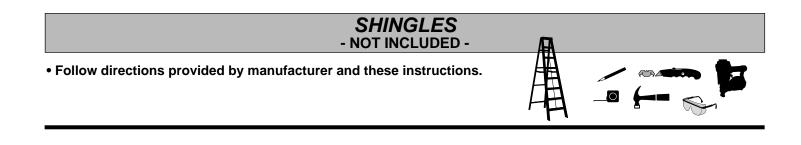
 $\sim$ 

- 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

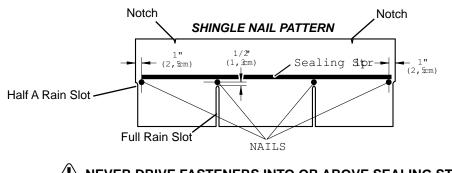
#### Note:

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





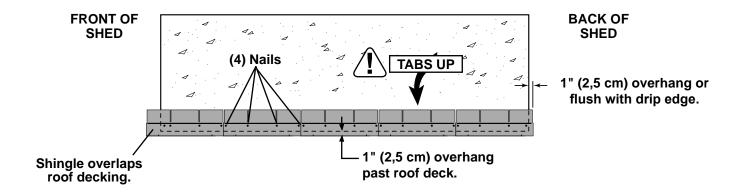
/ Familiarize yourself with a 3-Tab Shingle.



### NEVER DRIVE FASTENERS INTO OR ABOVE SEALING STRIPS.



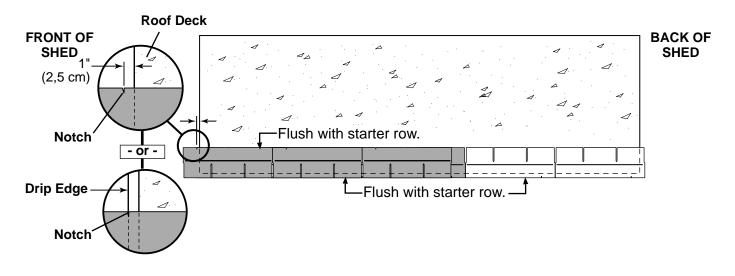
Install first starter row upside down and color up with a 1" overhang at back and bottom of roof panel. Use (4) nails per shingle. Starter row must be straight and level all the way across with lower edge of roof deck. NOTE: If you have installed drip edge install shingles flush to drip edge.



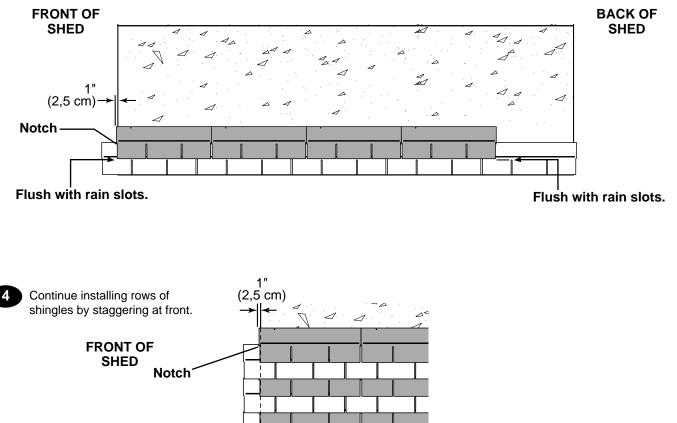
## SHINGLES continued...

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

2



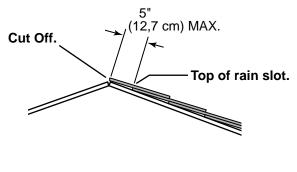
Install second row of shingles flush at top of first row's rain slots. Ensure 1" overhang or flush to drip edge at front, stagger each row.

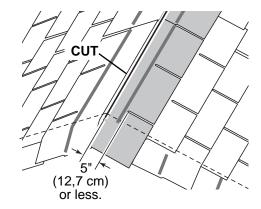


### SHINGLES continued...



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





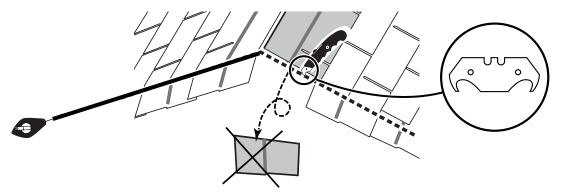
/! • If more than 5" to rain slot you must install another row of shingles.

6 Repeat steps 1 - 5 to shingle the opposite side of your roof. Trim shingles at ridge.

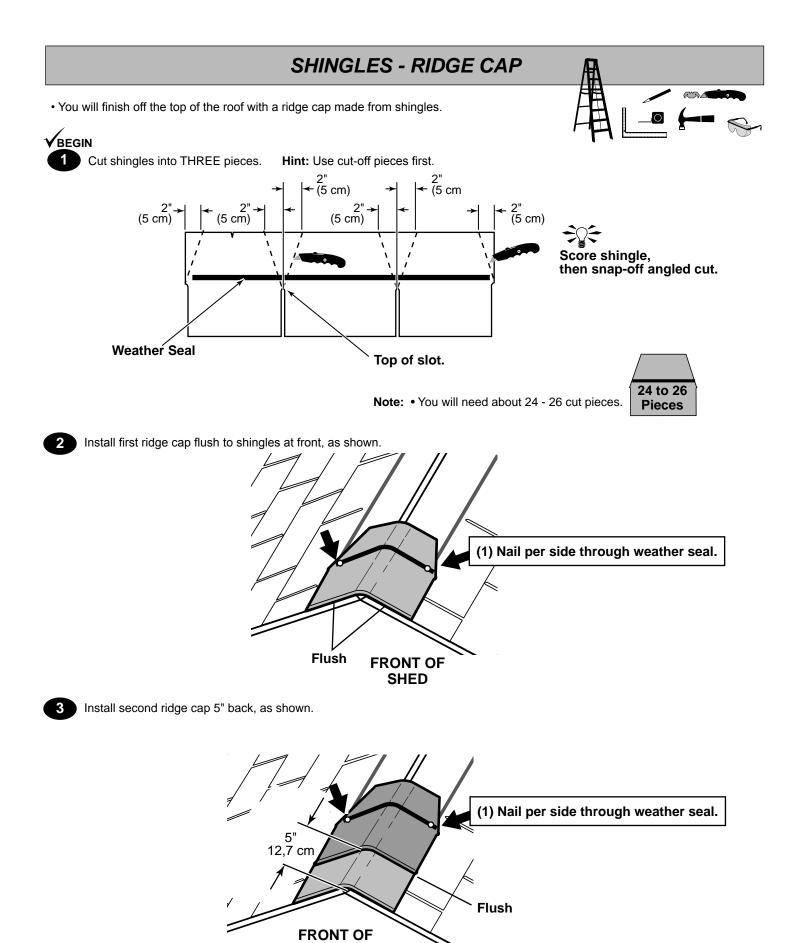
Once both sides are shingled you need to trim ends. Strike a chalk line 1" from edge.



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



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



SHED

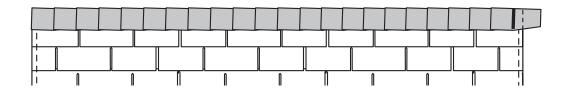
# SHINGLES - RIDGE CAP continued...

Continue installing ridge cap to back of roof.

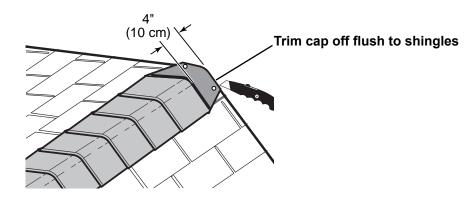
4

6

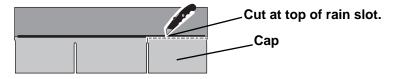
7

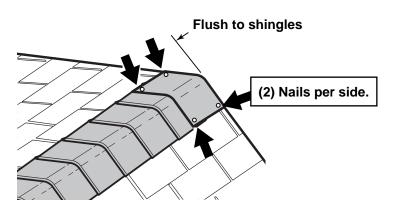


5 Make sure there is 4" between the shingle-color and edge of shingles.



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





FINISH You have finished your ridge cap.

Install flush to shingles.

#### LIMITED CONDITIONAL WARRANTY\*

Backyard Storage Solutions, LLC warrants the following:

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

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

#### CONDITIONS

The warranty is effective only when:

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

#### REQUIREMENTS

#### Storage Buildings

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

#### Gazebos & Pergolas

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

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

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

#### CLAIM PROCEDURE

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

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

All other inquiries can be mailed to:

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

> \*WARRANTY TERMS MAY VARY OUTSIDE THE U.S.A. IMPORTANT: This is your warranty certificate.

10Y MV LDR: 3/20/2019