

16591



Call Us First!
DO NOT RETURN TO STORE.

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

1-888-827-9056

or email:

customerservice@backyardproductsllc.com

Our staff is ready to provide assistance

April through October M-F 8:00 AM to 4:30 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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ASSEMBLY MANUAL

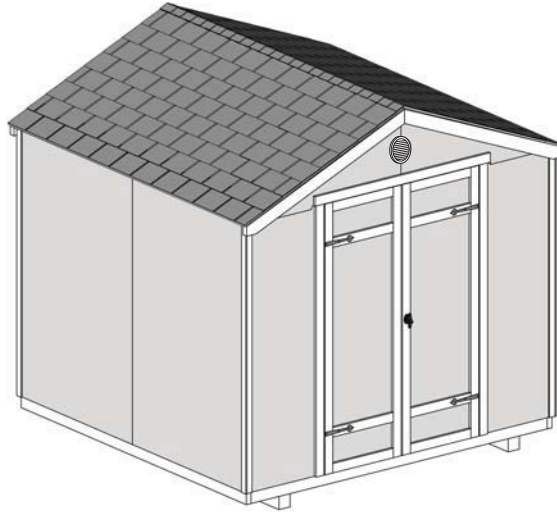
16591

05/20/2011

GABLE 8' x 8' (244 x 244 cm)

ACTUAL FLOOR SIZE IS 96 x 92-5/8" (244 x 235 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 5 - 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 4 for required and optional materials and quantities.



- CUSTOMER SERVICE -




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

TOOLS

Required

Phillips Screwdriver 

Drill / Driver 

3/8" Drill Bit

1/4" Drill Bit

1/2" Drill Bit

#2 Philips Drive Bit

Level 

Pencil 


Tape Measure 

Square  or 

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 

Hammer 

Wood Glue 

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.

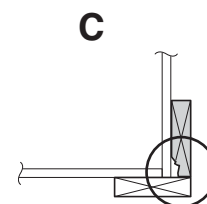
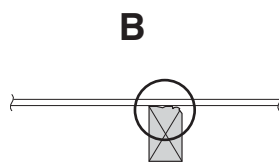
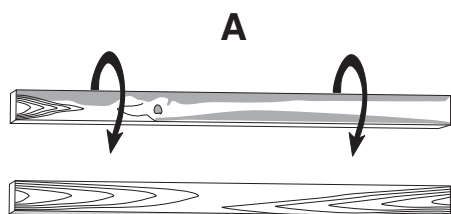


= Level

ORIENT LUMBER AND TRIM FOR BEST APPEARANCE

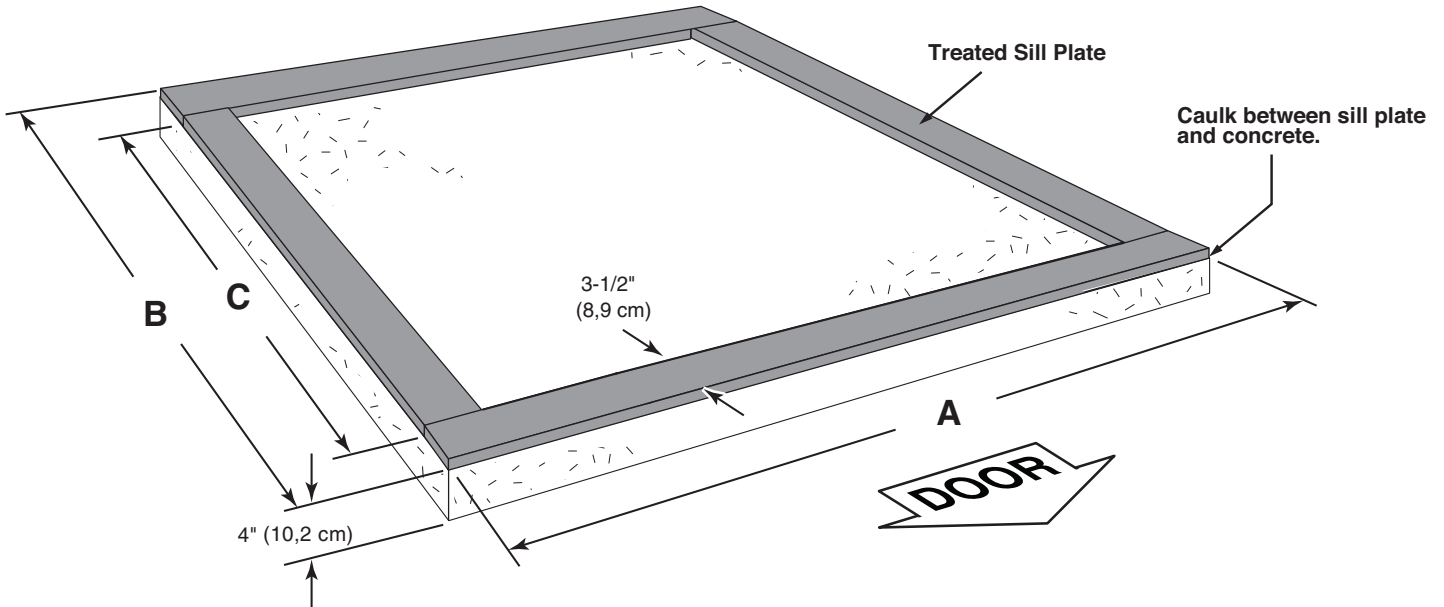
Framing lumber is graded for structural strength and not appearance. Exterior trim is graded for one good side.

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.)



CONCRETE FOUNDATION

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 8' (243,8 x 243,8 cm)	8'x 7'-8-5/8" (243,8 x 235,3 cm)	96" (243,8 cm)	92-5/8" (235,3 cm)	85-5/8" (217,5 cm)

Requires:

x4 2 x 4 x 8' (5,1 x 10,2 x 243,8 cm) **MUST be treated lumber.**

x1 **Caulk**

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

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

NOTES

ADDITIONAL MATERIALS

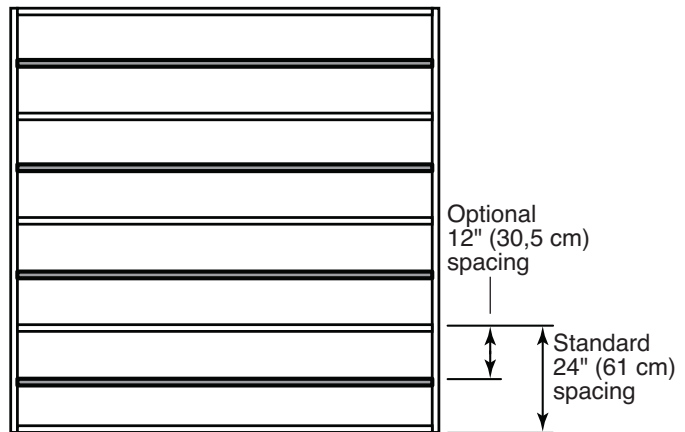
FOUNDATION OR FLOOR MATERIALS

- This shed kit includes a 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):

- x4** 2 x 4 x 8' (5,1 x 10,2 x 243,8 cm) Treated Lumber
Cut to 2 x 4 x 93" (5,1 x 10,2 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"> <input type="checkbox"/> 3-TAB SHINGLES 4 Bundles <input type="checkbox"/> PAINT FOR SIDING 2 Gallons
Use 100% acrylic latex exterior paint. (2) coats recommended. <input type="checkbox"/> CAULK 2 Tubes
Use acrylic latex exterior caulk that is paintable. | <ul style="list-style-type: none"> <input type="checkbox"/> 1" GALVANIZED ROOFING NAILS.... 2 Lbs
For shingles. <input type="checkbox"/> PAINT FOR TRIM1 Quart
Use 100% acrylic latex exterior paint. <input type="checkbox"/> WOOD GLUE Exterior Rated |
|--|---|

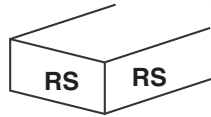
OPTIONAL MATERIALS

- | | |
|---|--|
| <ul style="list-style-type: none"> <input type="checkbox"/> DRIP EDGE 34 Feet | <ul style="list-style-type: none"> <input type="checkbox"/> #15 ROOFING FELT
To cover 73 Sq. Ft. of roof area. <input type="checkbox"/> 1" GALVANIZED ROOFING NAILS.....1/4 Lb
For roofing felt. |
|---|--|

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

PARTS IDENTIFICATION AND SIZES

Part identification is stamped on some parts.



• 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.

FLOOR

- x2 TREATED 2 x 4 x 92-1/2" (5,1 x 10,2 x 235 cm)
- x5 TREATED 2 x 4 x 93" (5,1 x 10,2 x 236,2 cm)

WALL

- x1 LB 2 x 3 x 5" (5,1 x 7,6 x 10,2 cm)
- x1 LCA 2 x 3 x 6" (5,1 x 7,6 x 15,2 cm)
- x2 RK 2 x 3 x 13" (5,1 x 7,6 x 33 cm)
- x1 BV 2 x 3 x 17-1/2" (5,1 x 7,6 x 44,5 cm)
- x2 CI 2 x 3 x 34" (5,1 x 7,6 x 86,4 cm)
- x10 CJ 2 x 3 x 67-3/8" (5,1 x 7,6 x 171,1 cm)
- x2 KU 2 x 3 x 69-1/2" (5,1 x 7,6 x 176,5 cm)
- x1 PS 2 x 3 x 91" (5,1 x 7,6 x 231,1 cm)
- x2 PM 2 x 3 x 92-5/8" (5,1 x 7,6 x 235,3 cm)
- x2 PT 2 x 3 x 96" (5,1 x 7,6 x 243,8 cm)
- x2 5/8 x 2-1/2 x 92-5/8" (1,6 x 6,4 x 235,3 cm)
- x1 DS 1 x 3 x 55" (2,5 x 7,6 x 137,2 cm)

TRUSS

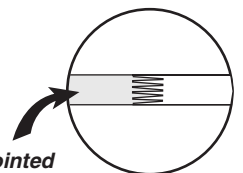
- x6 6 x 24" (15,2 x 61 cm)
- x6 CM 2 x 4 x 52" (5,1 x 10,2 x 132,1 cm)
- x1 JF 1 x 4 x 60" (2,5 x 10,2 x 152,4 cm)

TRIM

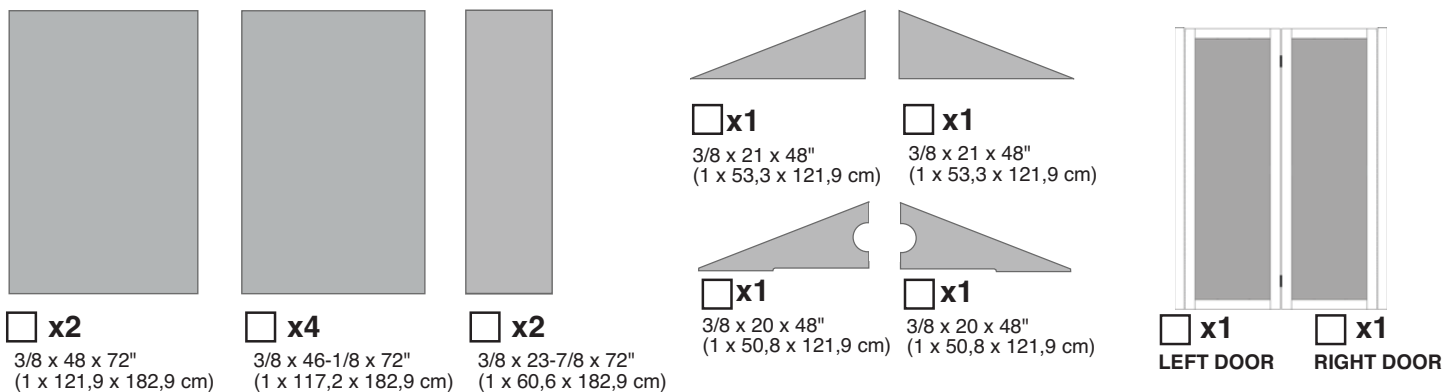
- x4 CL 2 x 4 x 53-11/16" (5,1 x 10,2 x 136,4 cm)
- x4 3/8 x 1-3/4 x 71" (1 x 4,4 x 180,3 cm)
- x4 3/8 x 1-3/4 x 72" (1 x 4,4 x 182,9 cm)

DOOR

- x2 OO 2 x 3 x 69" (5,1 x 7,6 x 175,3 cm) *Finger Jointed*
- x4 BEA 19/32 x 2-1/2 x 19" (1,5 x 6,4 x 48,3 cm)
- x1 ZB 19/32 x 2-1/2 x 55" (1,5 x 6,4 x 137,2 cm)



WALL PANELS, AND DOORS



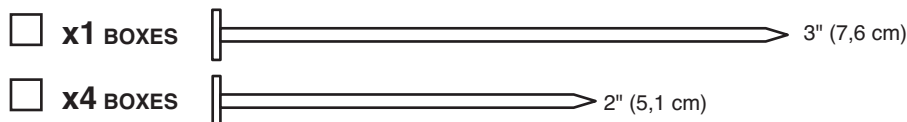
ROOF PANELS



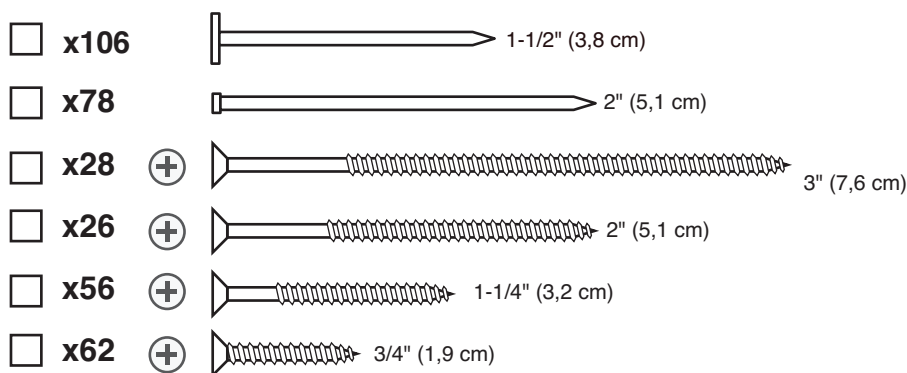
FLOOR PANELS



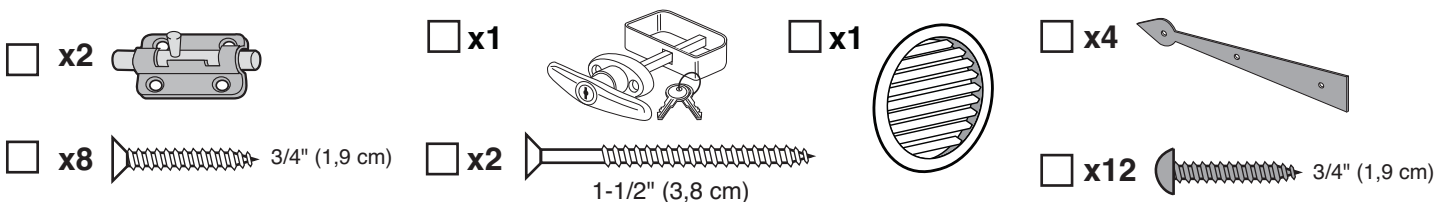
NAIL BOXES (Shown Actual Size)



FASTENER/HARDWARE BAG (Shown Actual Size)



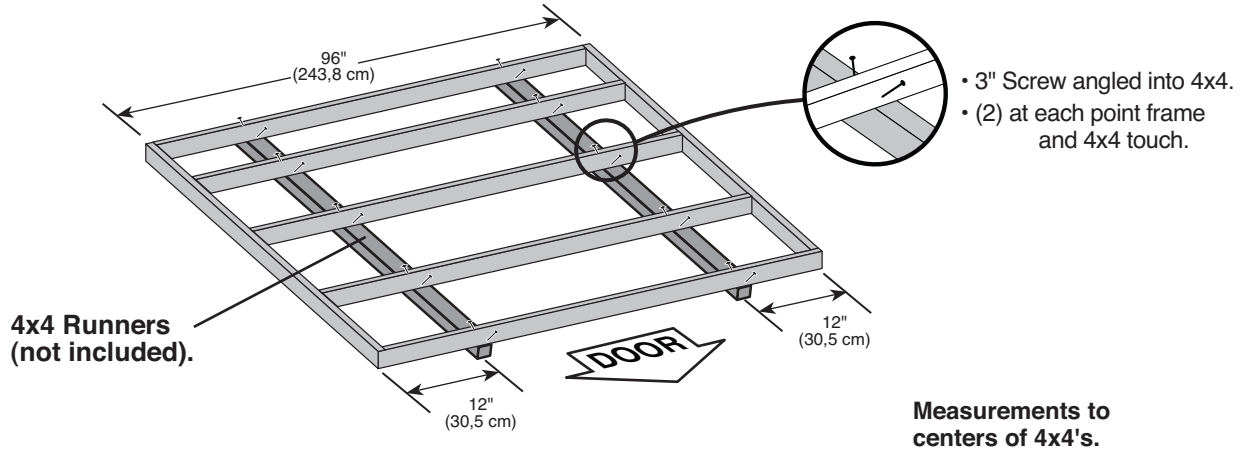
DOOR HARDWARE (Not Actual Size)



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



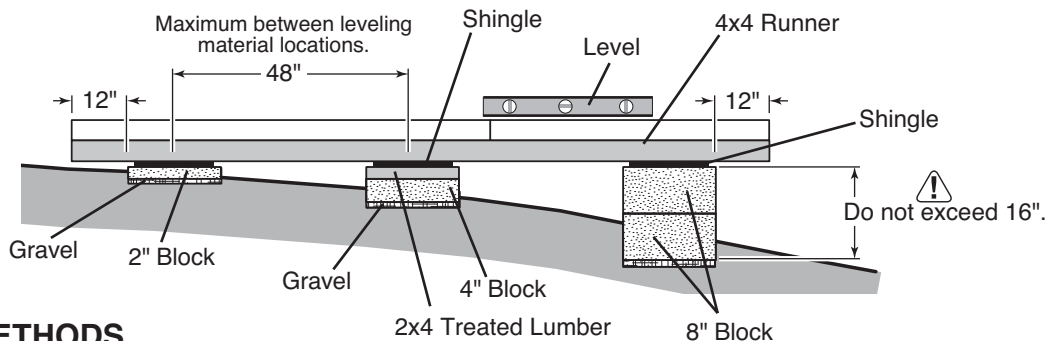
MATERIAL REQUIRED

x2 4" x 4" x 8' (10,2 x 10,2 x 243,8 cm) Treated Lumber

Fasteners for Frame to 4"x 4".
 (3" Screws shown as one option.) Minimum (20) 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

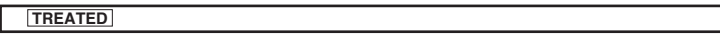
Leveling higher than 16" not recommended.

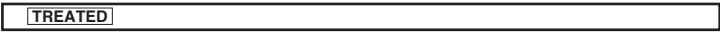
CONCRETE

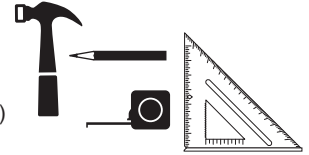
- If you are building your shed on a concrete foundation see the following page.

STANDARD FLOOR FRAME

PARTS REQUIRED: NOTE: Look for **TREATED** Stamp. x24  3" (7,6 cm)

x5  2 x 4 x 93" (5,1 x 10,2 x 236,2 cm)

x2  2 x 4 x 92-1/2" (5,1 x 10,2 x 235 cm)



BEGIN

1 Orient parts as shown on flat surface. Measure and mark each dimension from end of boards

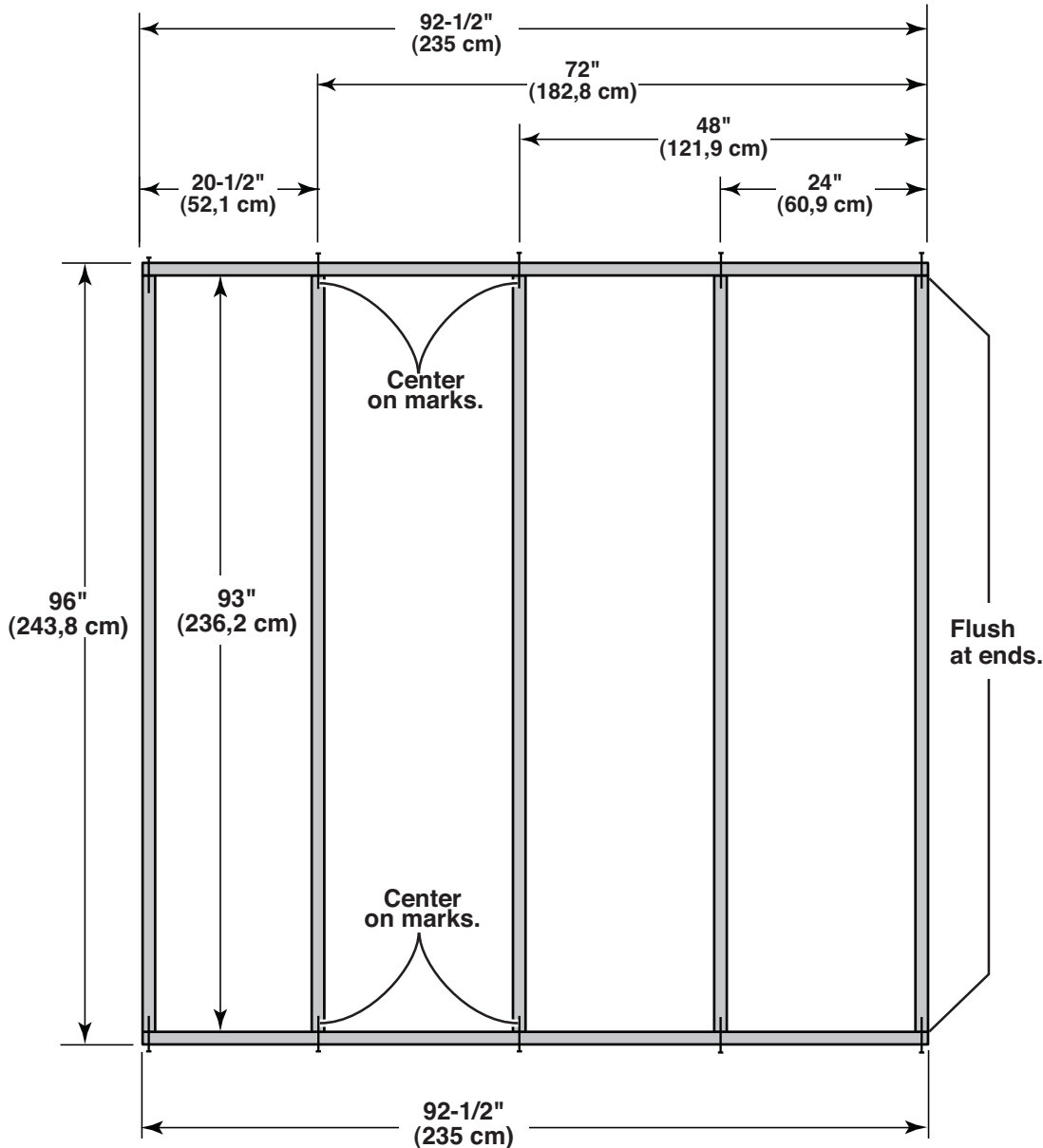
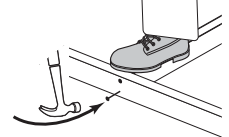
2 Use two 3" nails at each mark

FINISH

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



HINT: For easier nailing stand on frame.





LEVEL AND SQUARE FLOOR FRAME



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

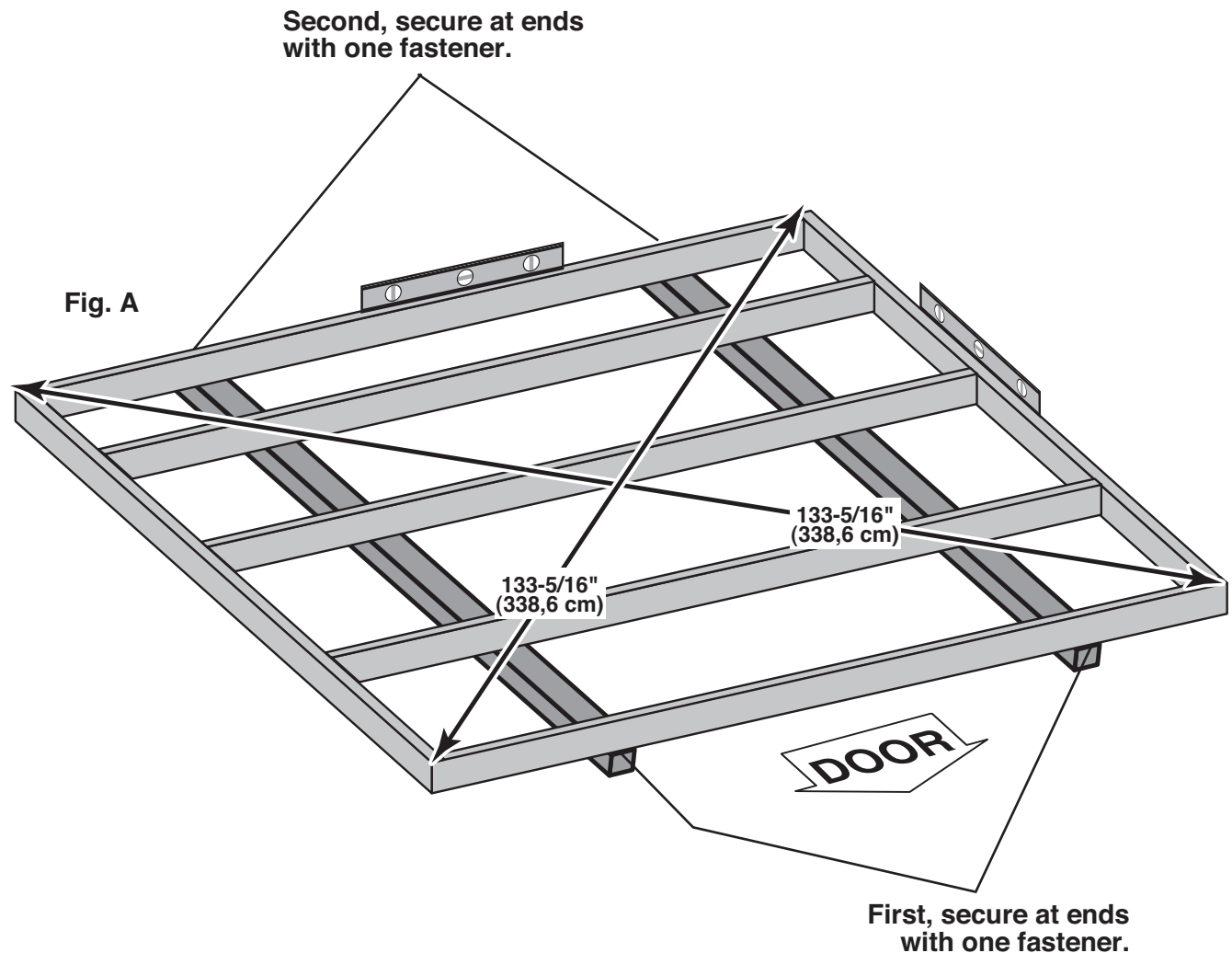
✓ BEGIN

- 1 See page 7 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 133-5/16" (338,6 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**).



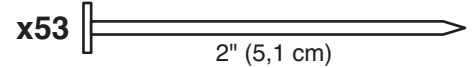
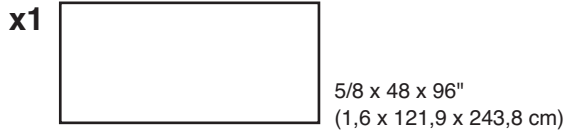
FINISH

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



FLOOR PANELS

PARTS REQUIRED:

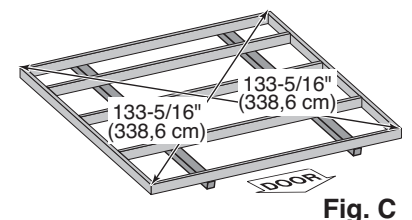
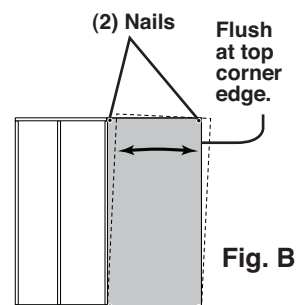
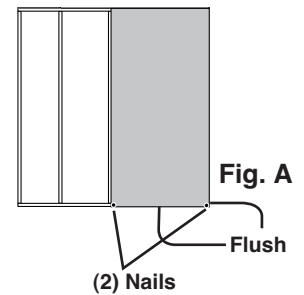
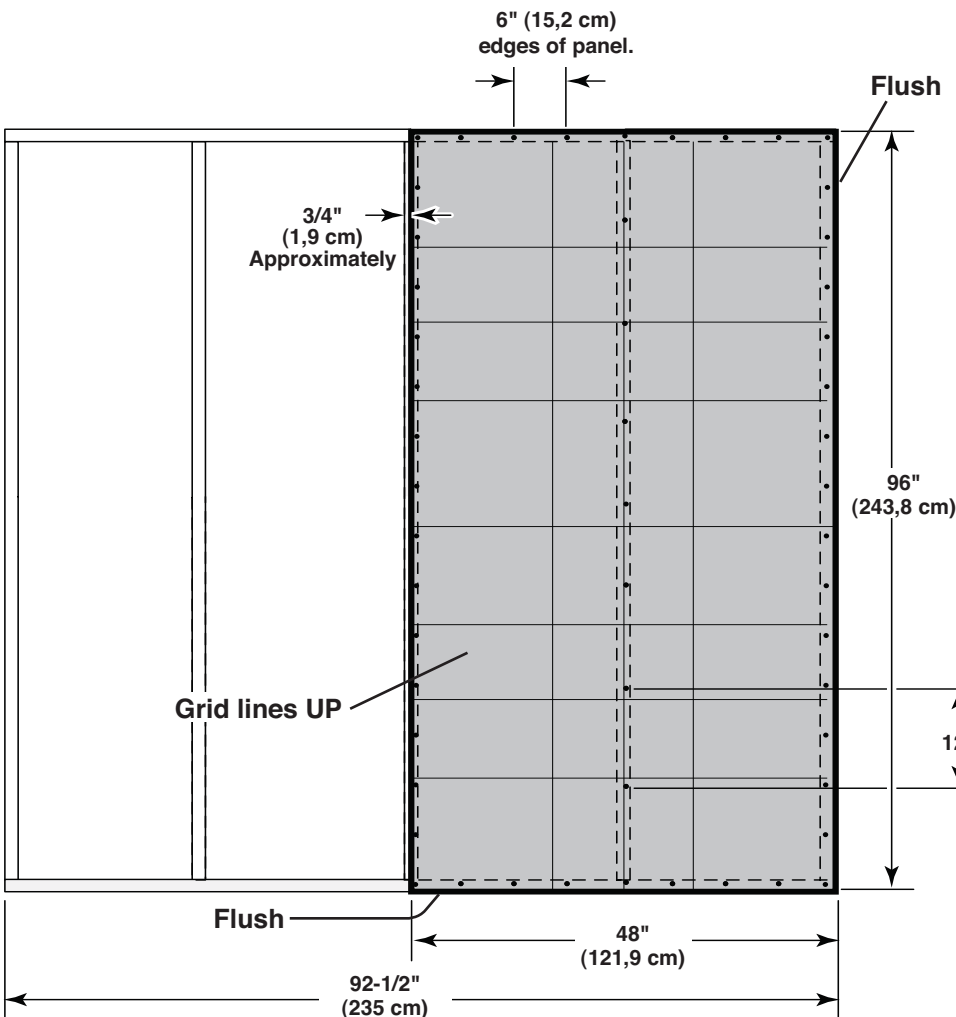


! Ensure your floor frame is square by installing one panel and squaring frame.

✓ **BEGIN**

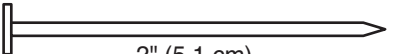


- 1** Attach the **48 x 96"** panel with the rough side up (painted-grid lines side) with the 48" edge and corner flush to the floor frame (**Fig. A**). Secure panel with two 2" nails in the corners.
- 2** Move to the opposite end. Using the long edge of the panel as a lever move the panel side-to-side 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 133-5/16" (**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.



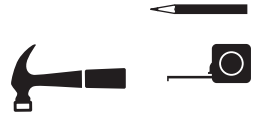
FLOOR PANELS

PARTS REQUIRED:

x53  2" (5,1 cm)



5/8 x 44-5/8 x 96"
(1,6 x 113,3 x 243,8 cm)

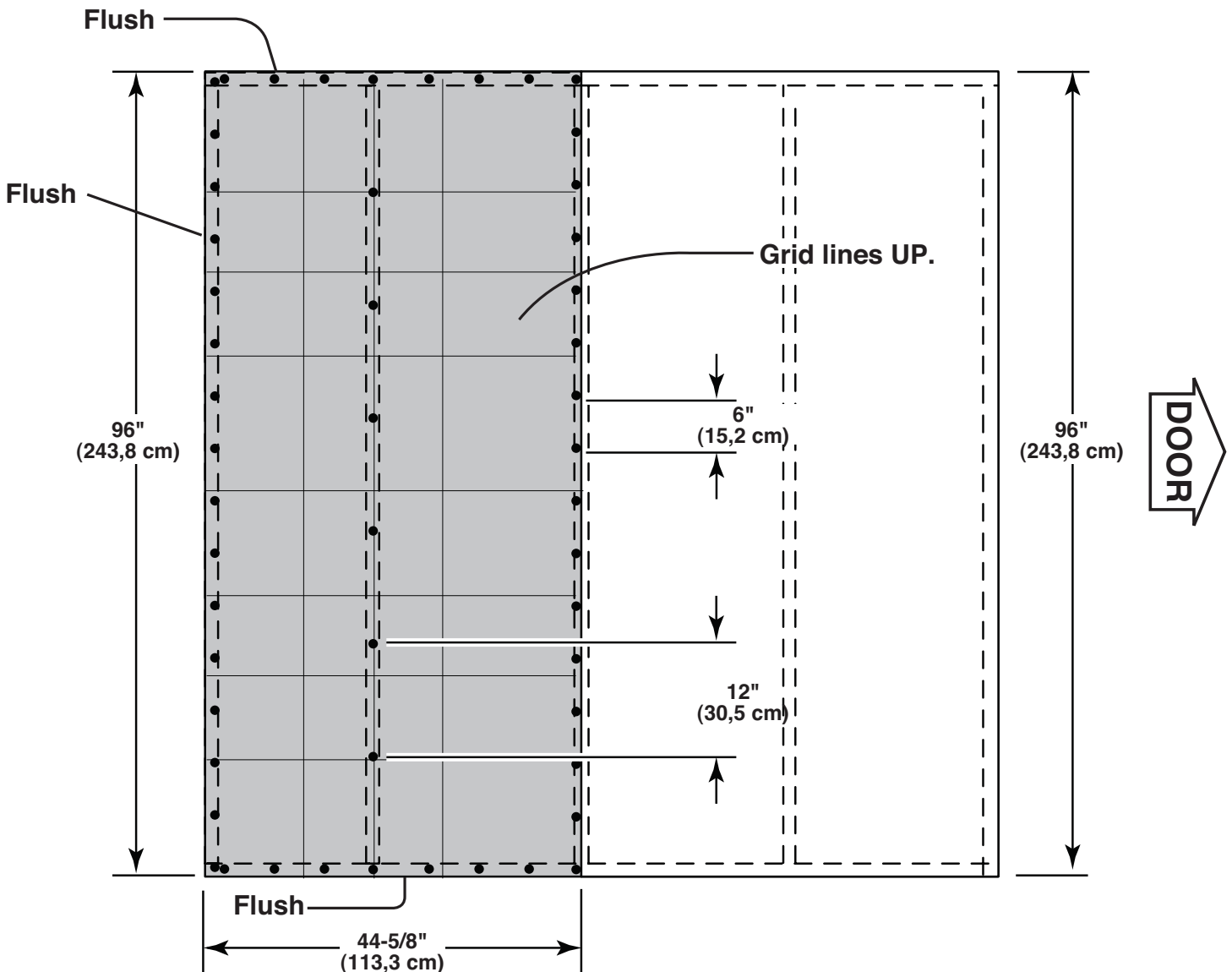


5 Continue by installing 44-5/8 x 96" panel with rough side up (painted grid lines).

6 Use a chalk line or grid lines on panels for 2" nails 6" apart on edges and 12" apart inside panel.



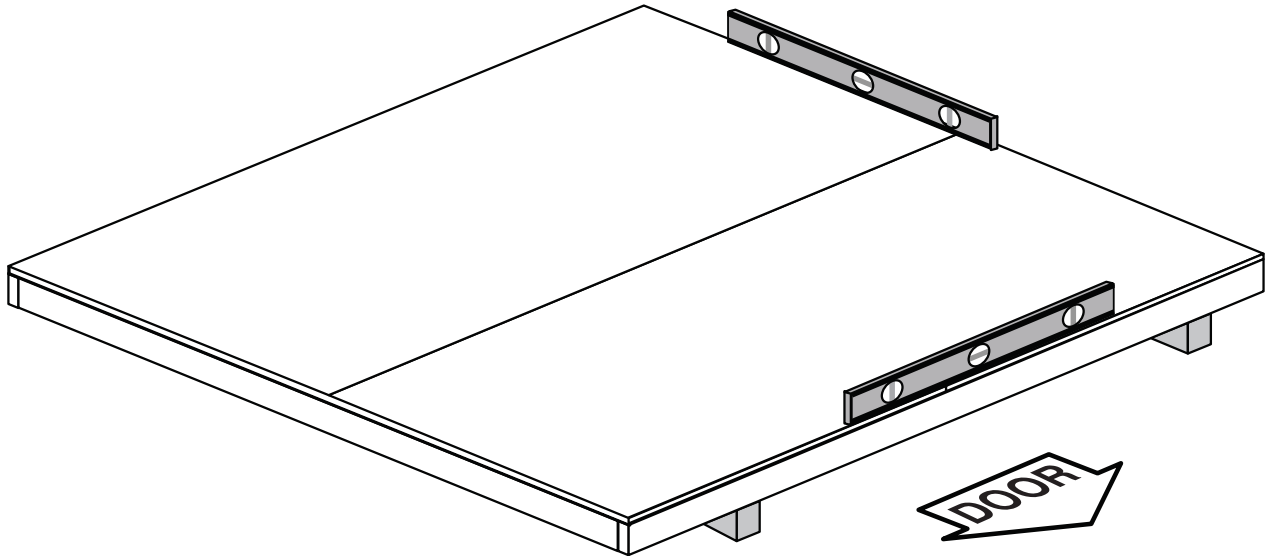
7 You have finished Installing your floor panels.



! IMPORTANT!



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

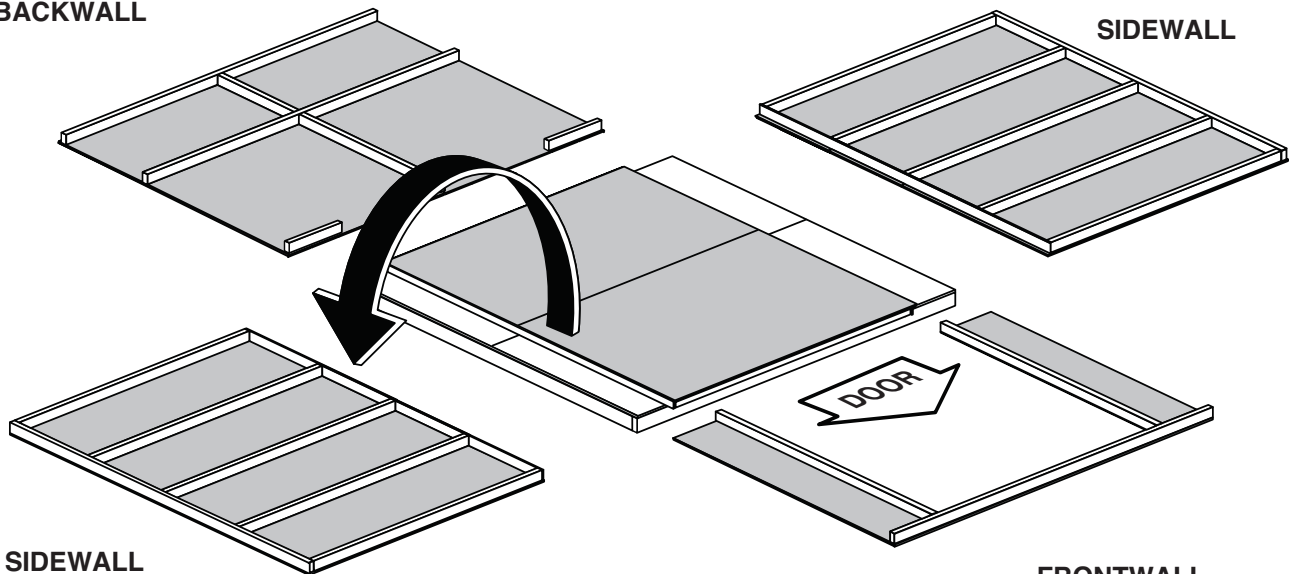


• The floor should be used as a stable work surface for wall construction.

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

BACKWALL

SIDEWALL



SIDEWALL

FRONTWALL

SIDE WALL FRAMES

PARTS REQUIRED:

x10 **CJ**

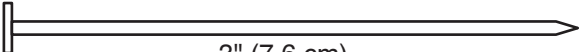
2 x 3 x 67-3/8" (5,1 x 7,6 x 171,1 cm)

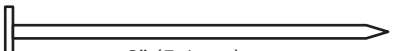
x2 **PM**

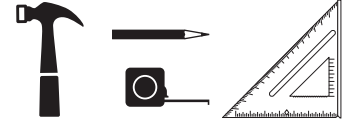
2 x 3 x 92-5/8" (5,1 x 7,6 x 235,3 cm)

x2

5/8 x 2-1/2 x 92-5/8" (1,6 x 6,4 x 235,3 cm)

x20  3" (7,6 cm)

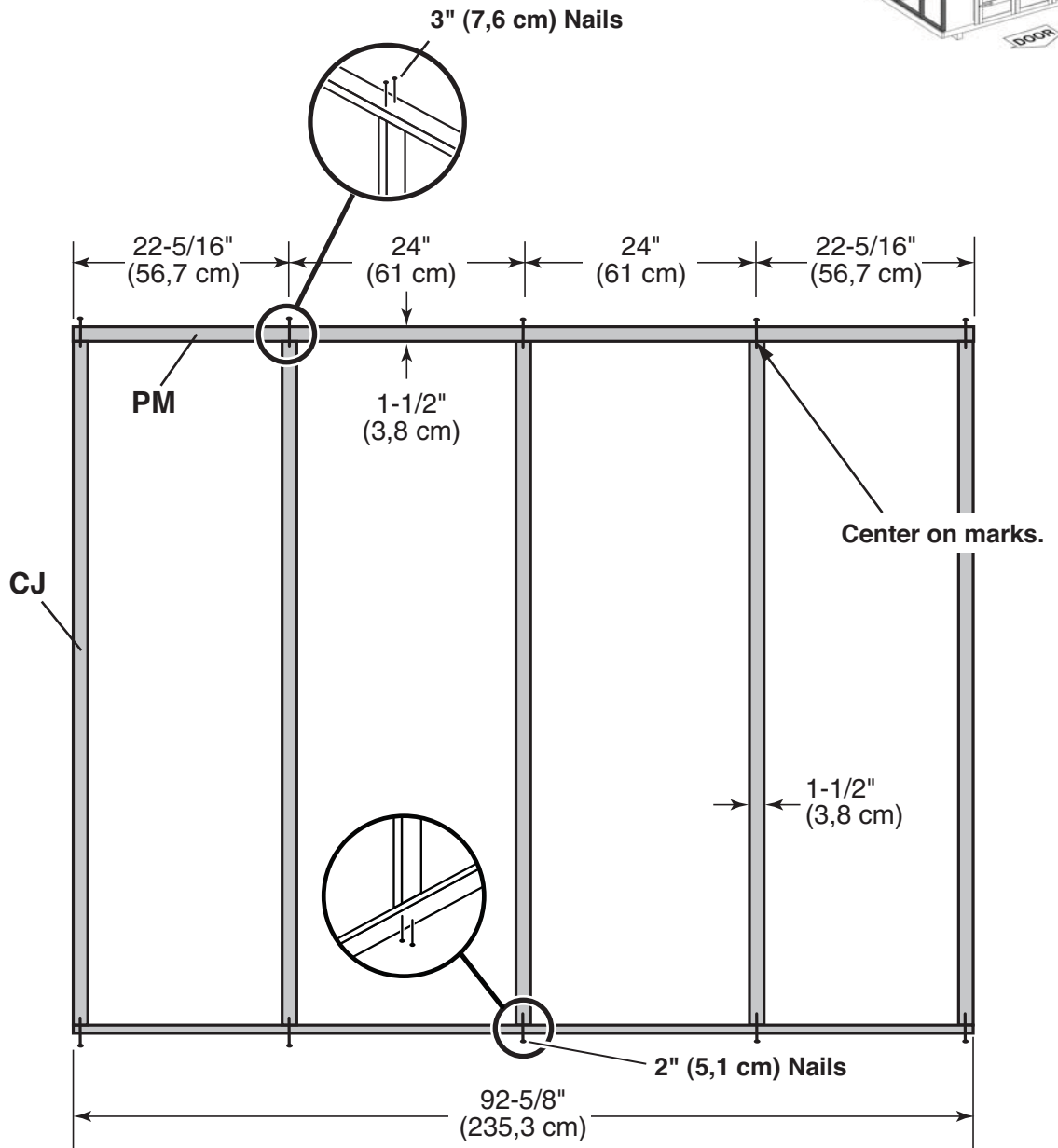
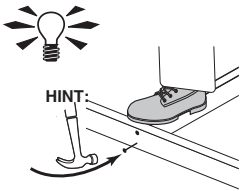
x20  2" (5,1 cm)



✓ BEGIN



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

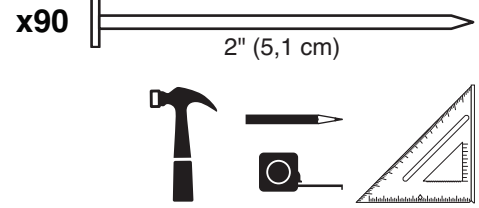
2 Use two 3" nails at each mark.



SIDE WALL PANELS

PARTS REQUIRED:

- x2  3/8 x 46-1/8 x 72"
(1 x 117,2 x 182,9 cm)
- x1  **RK** 2 x 3 x 13" (5,1 x 7,6 x 33 cm)
TEMPORARY SPACER



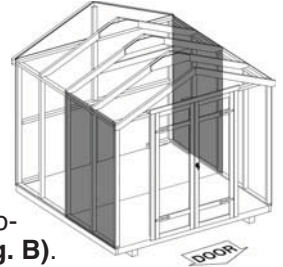
! Ensure your wall frame is square by installing one panel and squaring frame.

5 Place the 46-1/8 x 72" panel onto wall frame with primed side up as shown.

Ensure a 3/4" measurement along the wall stud and locate the panel to 1-1/2" above side wall frame. Secure panel with two 2" nails in the corners (**Fig. A**).

6 Move to the opposite end. Using the long edge of the panel as a lever move the panel side-to-side until you have a 3/4" measurement on the wall stud. Secure corner with two 2" nails (**Fig. B**).

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



! For squareness maintain 3/4" and 1-1/2" measurement along stud.

! BEGIN HERE →

Use RK as gauge block.

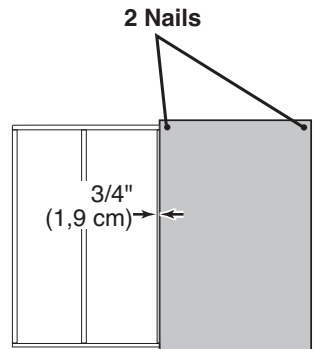
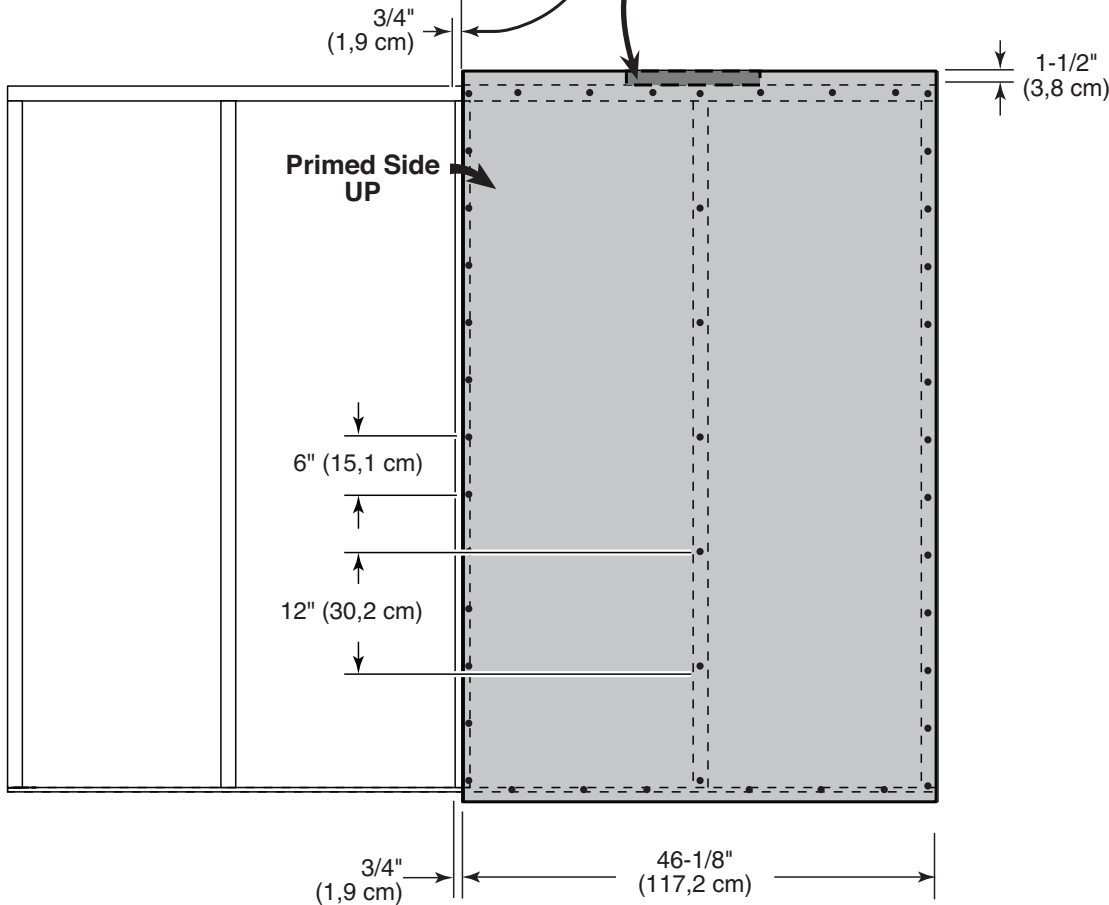


Fig. A

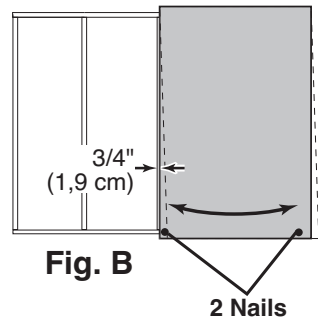
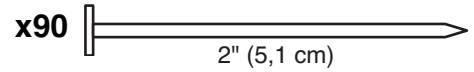
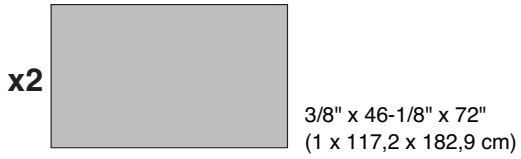


Fig. B

SIDE WALL PANELS

PARTS REQUIRED:



8 Place **46-1/8 x 72"** panel on frame as shown with primed side facing up.

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

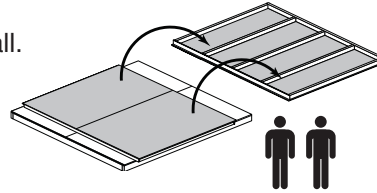
Carefully flip your side wall over.

Repeat **STEPS 1-8** to assemble your second side wall.



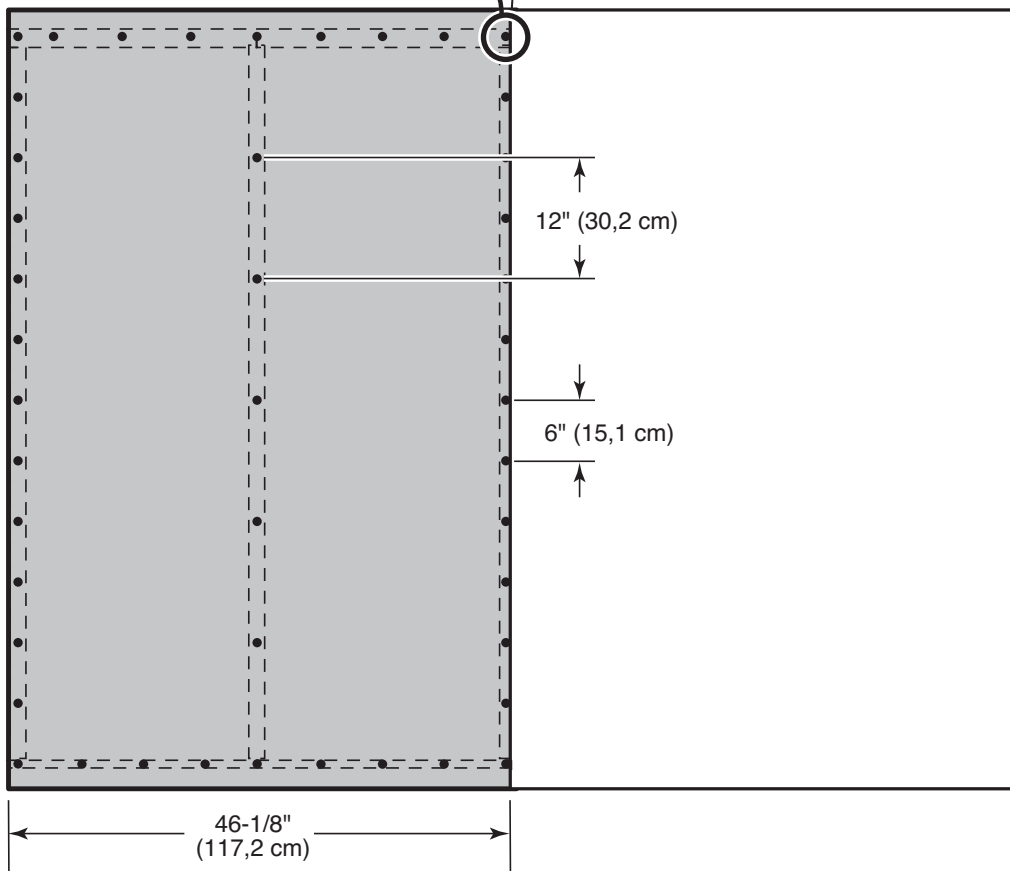
FINISH

9 You have finished building both of your side walls.



To draw panels tight at seams, angle nail.

Flush

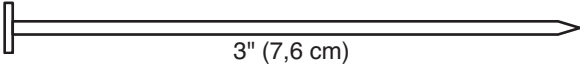


BACK WALL FRAME

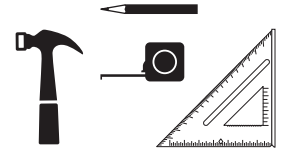
PARTS REQUIRED:

x1 **CI**
2 x 3 x 34" (5,1 x 7,6 x 86,4 cm)

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

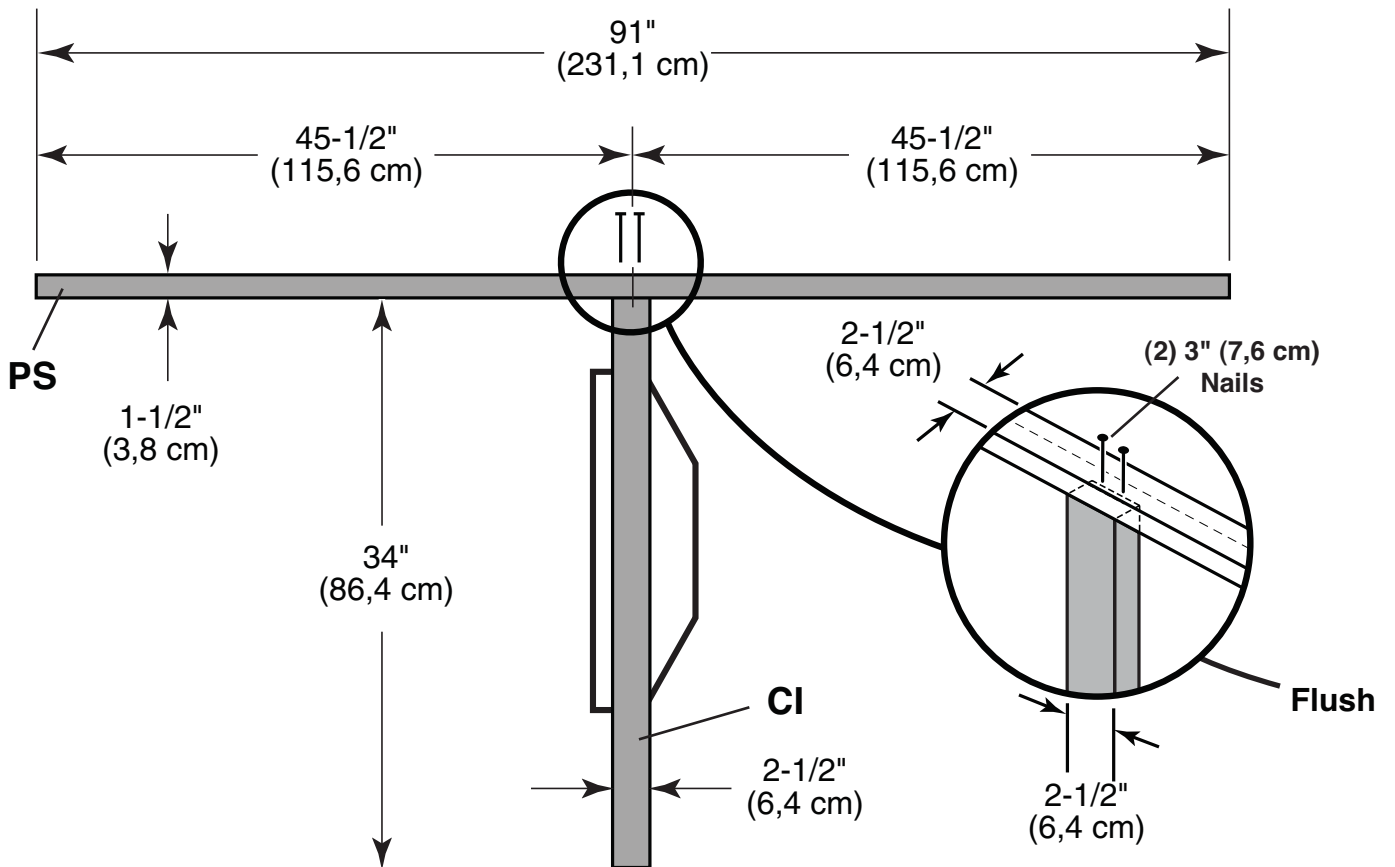
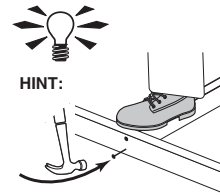
x2  3" (7,6 cm)

x1 **GUSSET**
TEMPORARY SUPPORT



✓ BEGIN

- 1 Orient **CI** on flat using a gusset as a temporary spacer.
- 2 Center **PS** on **CI** on edge on floor as shown.
- 3 Nail using two 3" nails at each connection.

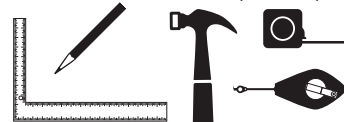
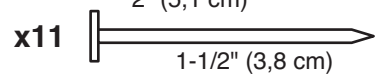
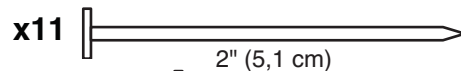


BACK WALL PANELS

PARTS REQUIRED:



3/8 x 48 x 72"
(1 x 121,9 x 182,9 cm)

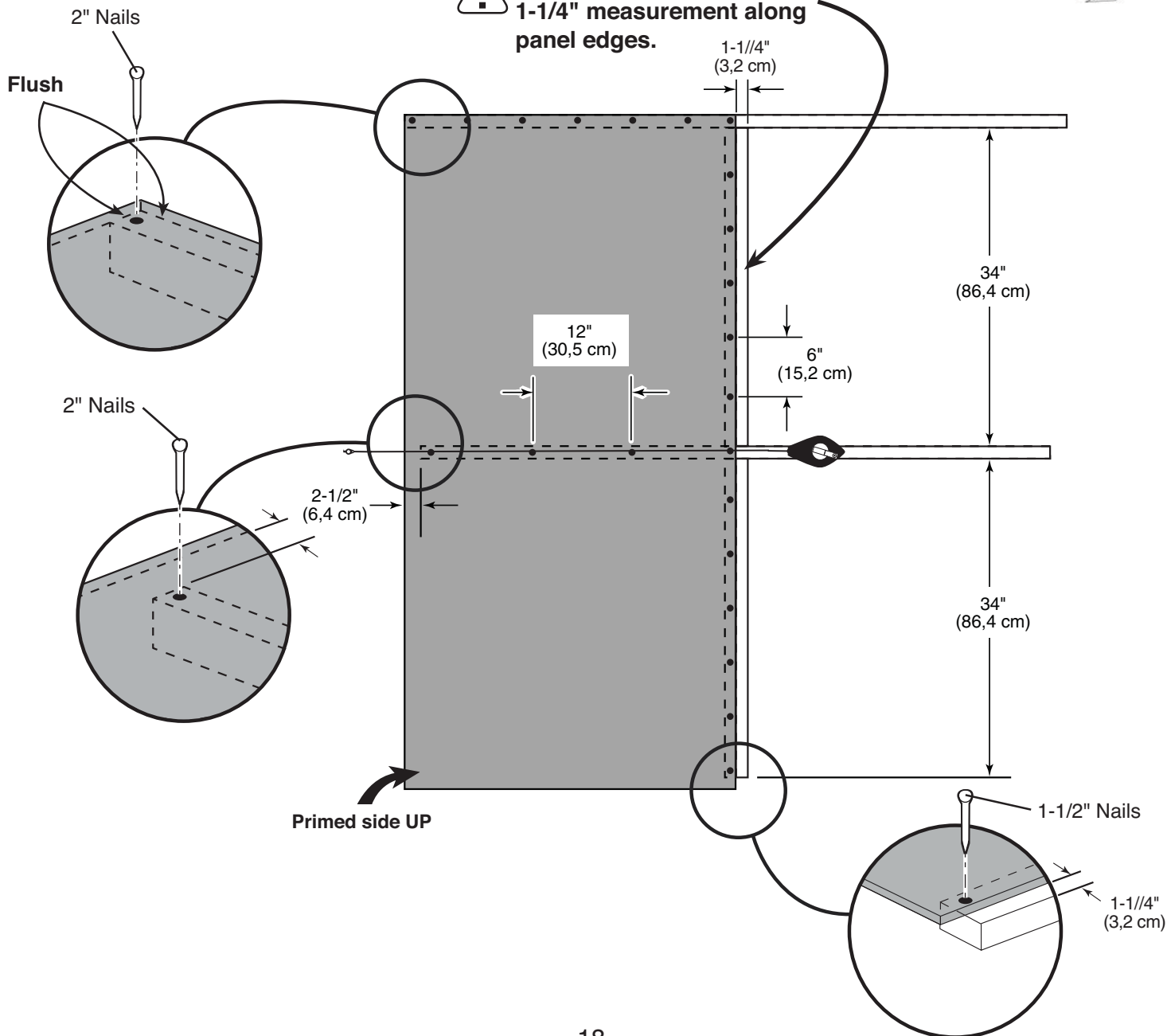


✓ BEGIN

- 1 Place **LEFT** panel on back frame as shown with primed side facing up.
- 2 Nail horizontal framing using 2" nails 6" apart on edges and 12" apart inside panel.
- 3 Nail vertical framing using 1-1/2" nails 6" apart on edges.



For squareness maintain 1-1/4" measurement along panel edges.



BACK WALL PANELS

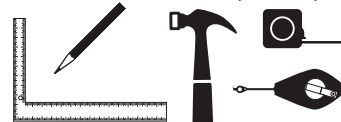
PARTS REQUIRED:



x1
3/8 x 48 x 72"
(1 x 121,9 x 182,9 cm)

x11
2" (5,1 cm)

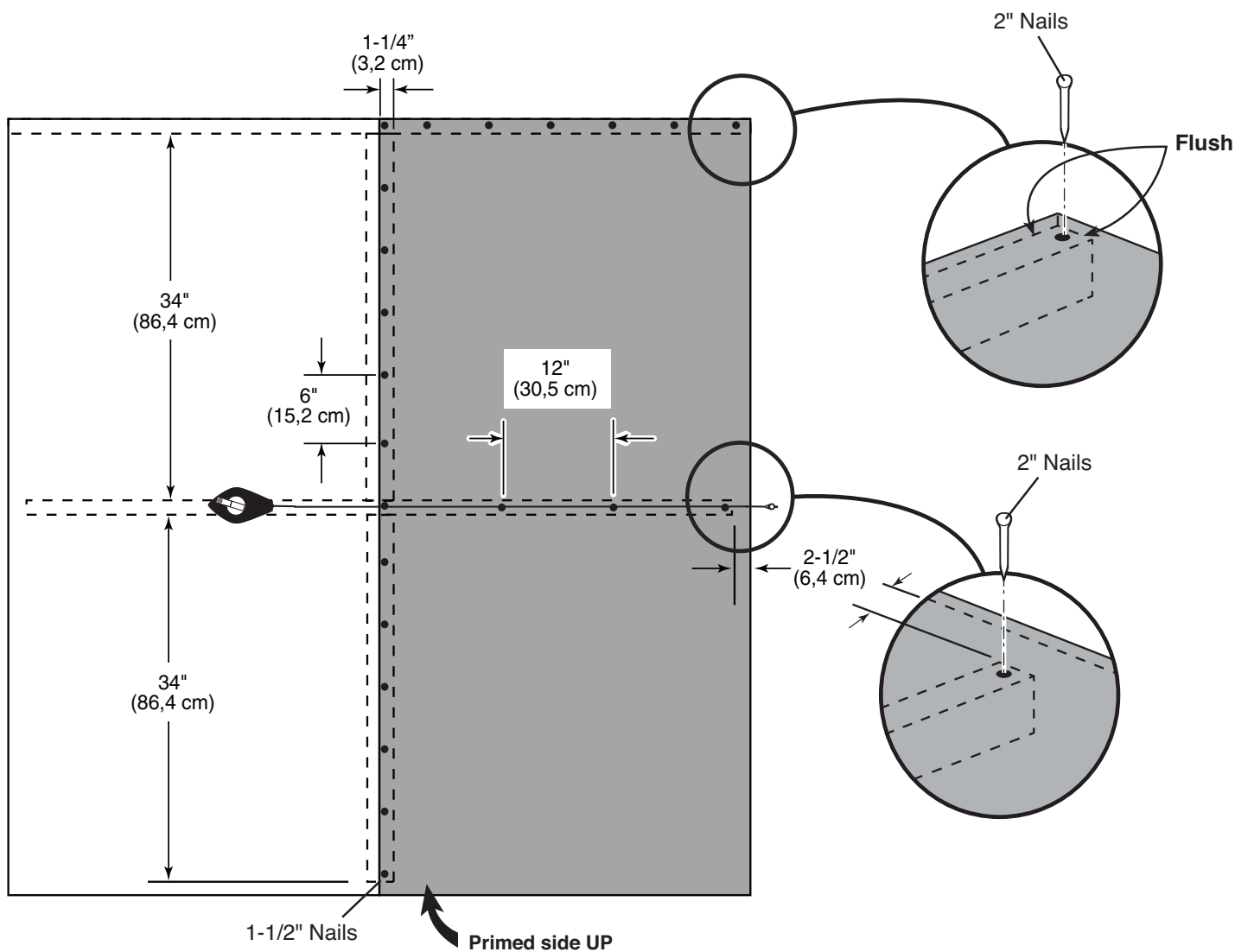
x11
1-1/2" (3,8 cm)



- 4 Place **RIGHT** panel on back frame as shown with primed side facing up and flush to panel.
- 5 Nail horizontal framing using 2" nails 6" apart on edges and 12" apart inside panel.
- 6 Nail vertical framing using 1-1/2" nails 6" apart on edges.

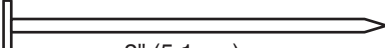


- 7 You have finished installing your back wall panels.



BACK WALL BOTTOM PLATES

PARTS REQUIRED:

x6  2" (5,1 cm)

x2  **RK**
2 x 3 x 13" (5,1 x 7,6 x 33 cm)



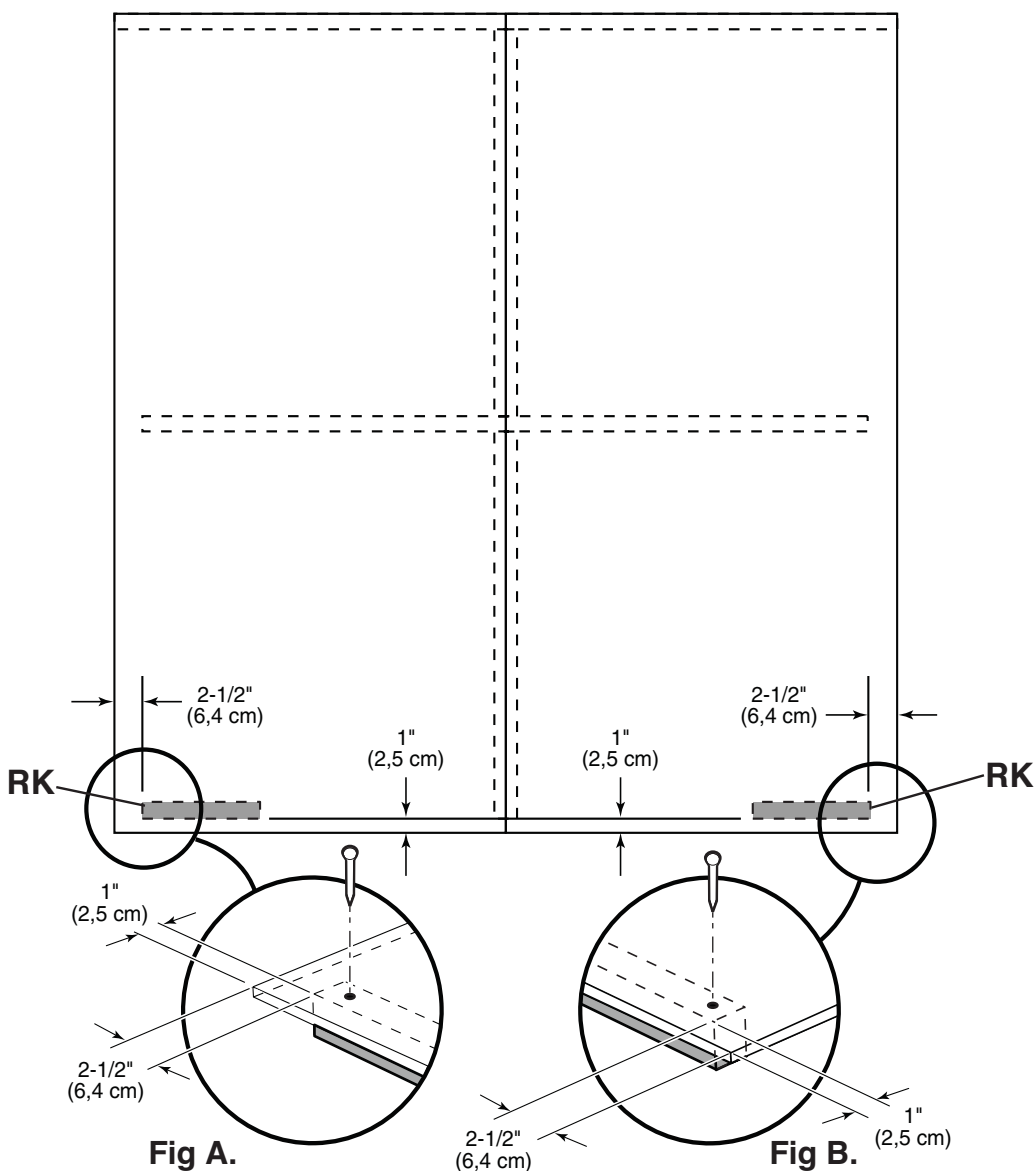
✓ BEGIN

- 1 Position **RK** on edge, 2-1/2" from outside edge and 1" from bottom edge of LEFT wall panel. (**Fig A.**)
- 2 Nail **RK** to wall panel using (3) 2" Nails.
- 3 Repeat step 1-2 for RIGHT wall panel. (**Fig B.**)



FINISH

- 4 You have finished building your back wall.

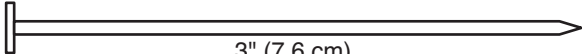


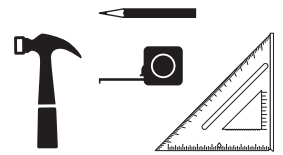
FRONT WALL FRAME

PARTS REQUIRED:

x2 **KU**
2 x 3 x 69-1/2" (5,1 x 7,6 x 176,5 cm)

x1 **PT**
2 x 3 x 96" (5,1 x 7,6 x 243,8 cm)

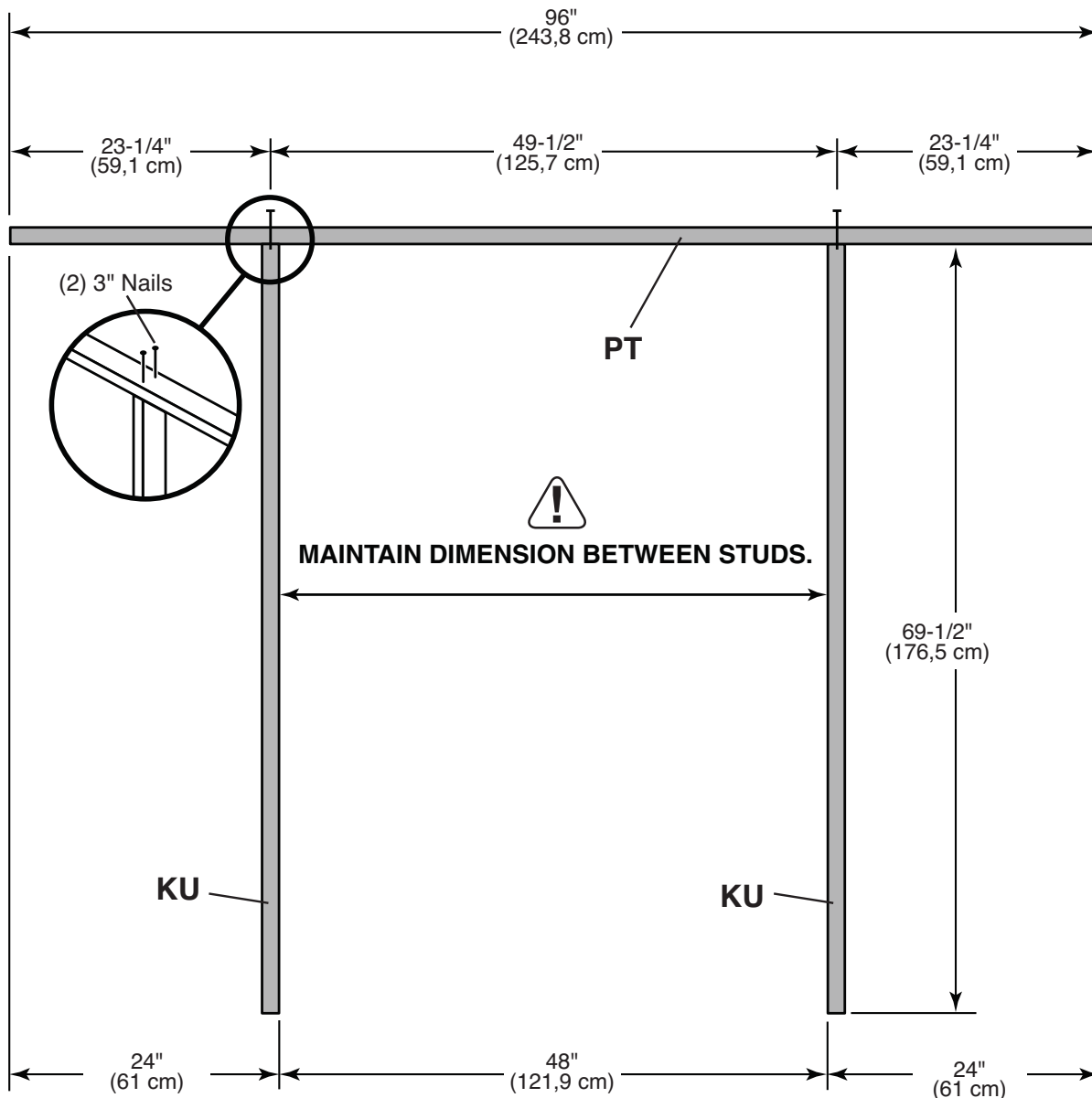
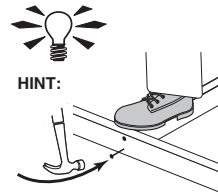
x4  3" (7,6 cm)



✓ BEGIN

1 Orient parts on edge on floor as shown.

2 Nail using two 3" nails at each connection.

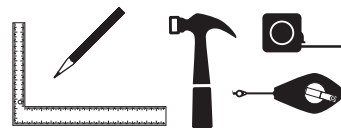
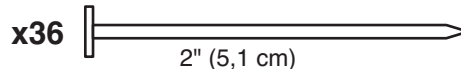


FRONT WALL PANELS

PARTS REQUIRED:

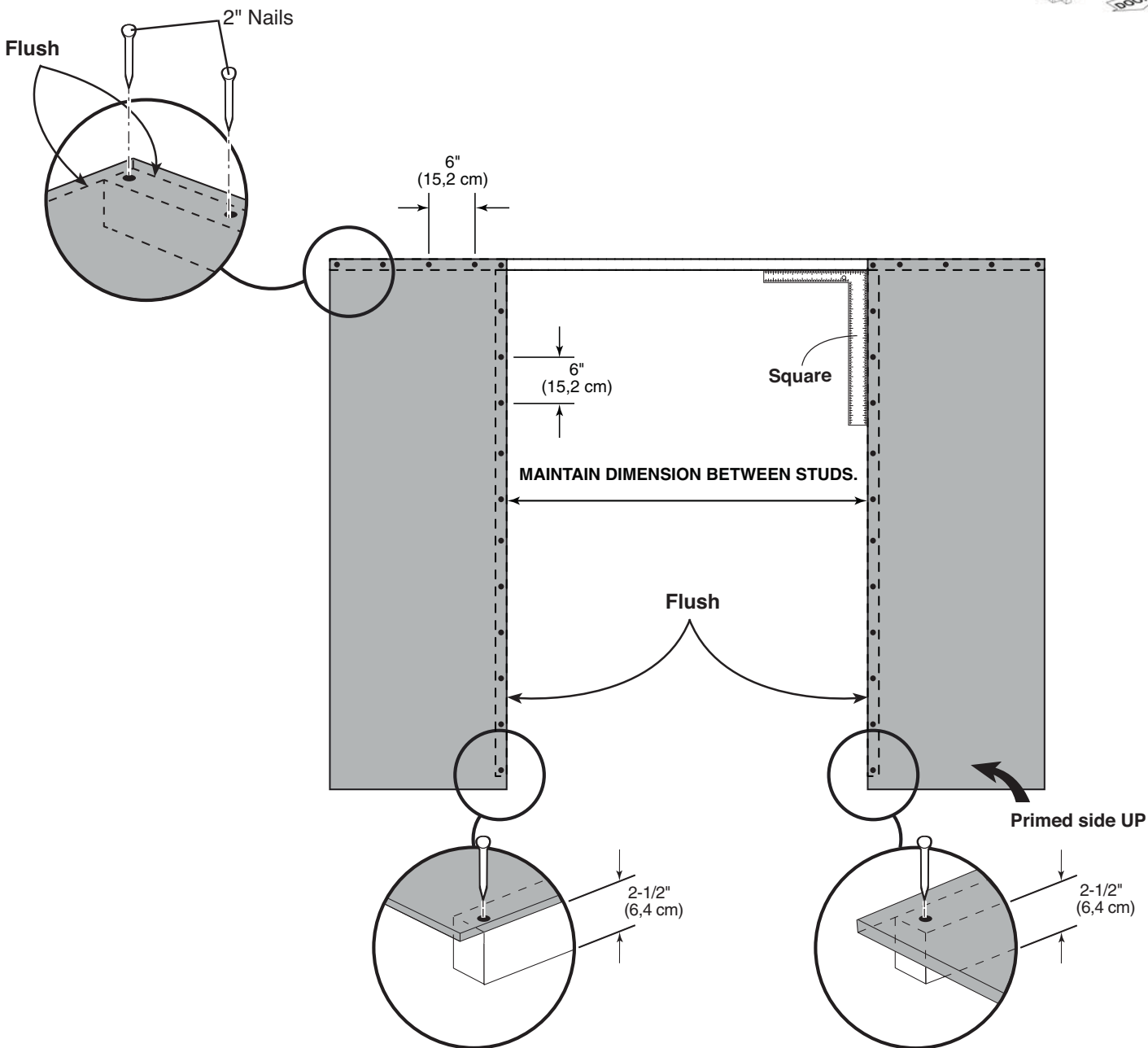
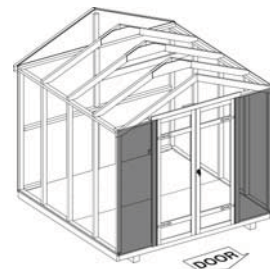


3/8 x 23-7/8 x 72"
(1 x 60,6 x 182,9 cm)




✓ BEGIN

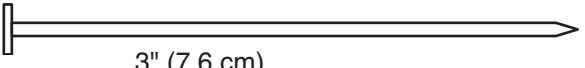
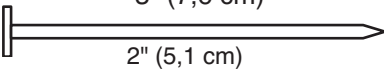
- 1 Place **LEFT** panel on front wall frame as shown with primed side facing up. Ensure panel has a 1" gap at bottom and is flush to inside edge.
- 2 Nail using 2" nails 6" apart.
- 3 Repeat steps 1-2 for **RIGHT** panel.



SIDE WALL INSTALLATION

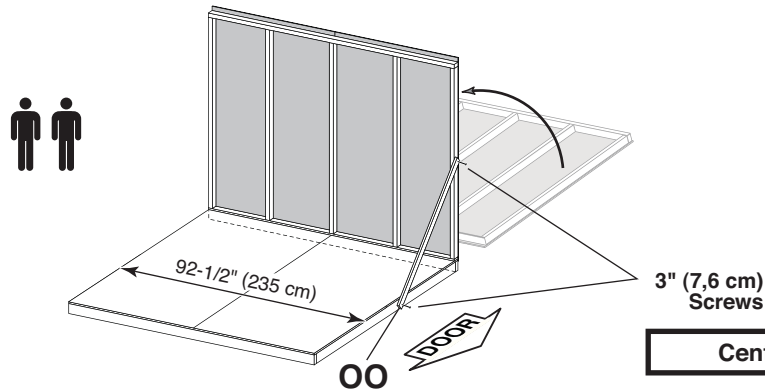
PARTS REQUIRED (TEMPORARY):

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

x8  3" (7,6 cm)
 x17  2" (5,1 cm)

✓ BEGIN

- Center side wall assembly on the 92-1/2" (235 cm) floor dimension.
- Use **OO** as a temporary brace. Secure with two 3" screws.



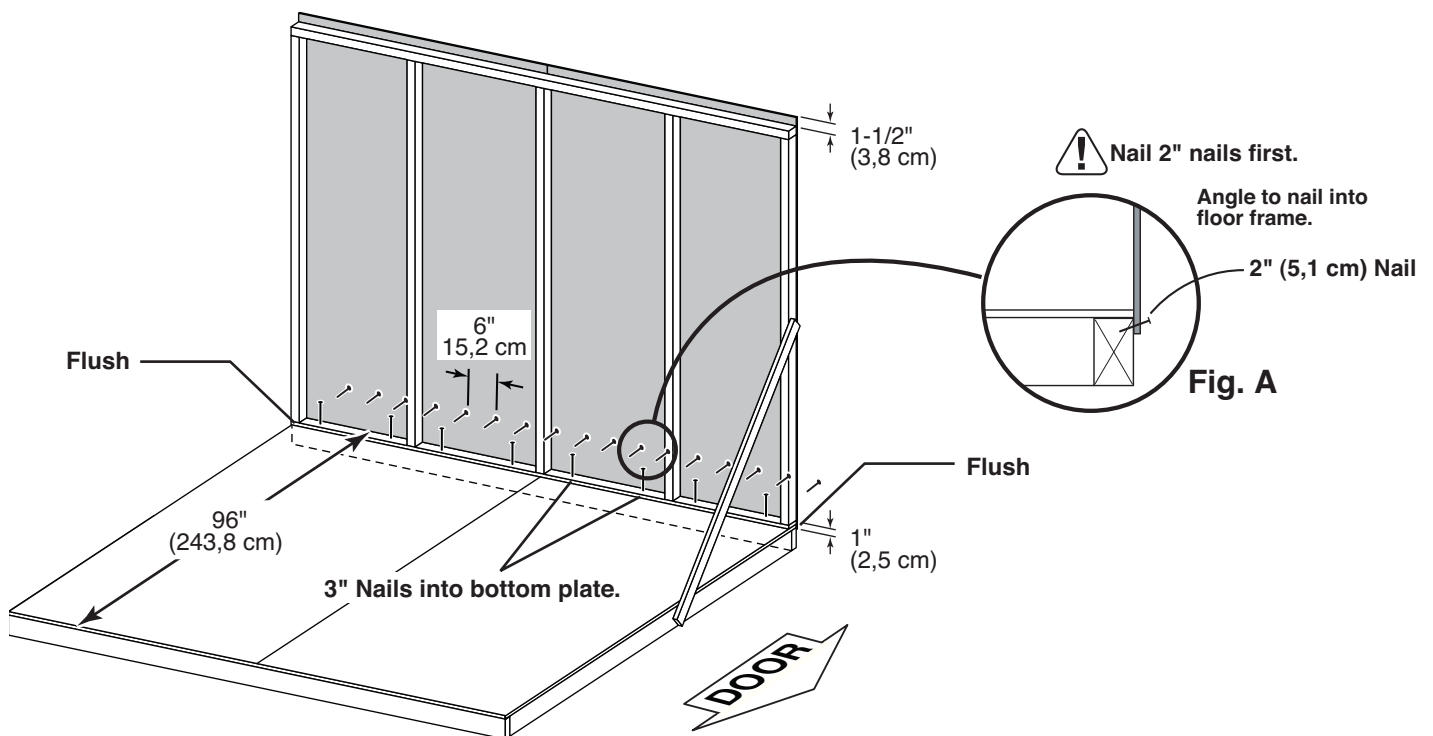
Center wall assembly on floor.

- First, nail lower edge of panel to floor frame using 2" nails 6" apart. Angle nail to hit floor frame (**Fig. A**).
 - Nail side wall bottom plate to floor using (8) 3" nails. (Nail (2) 3" nails between each stud through bottom plate)
- FINISH**
- You have finished standing your side wall.




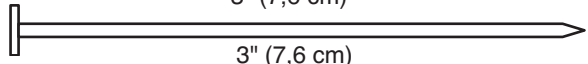
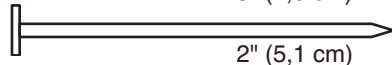
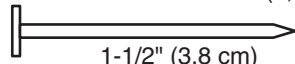
FINISH

- You have finished standing your side wall.



BACK WALL INSTALLATION

PARTS REQUIRED

x2		3" (7,6 cm)
x8		3" (7,6 cm)
x17		2" (5,1 cm)
x17		1-1/2" (3,8 cm)

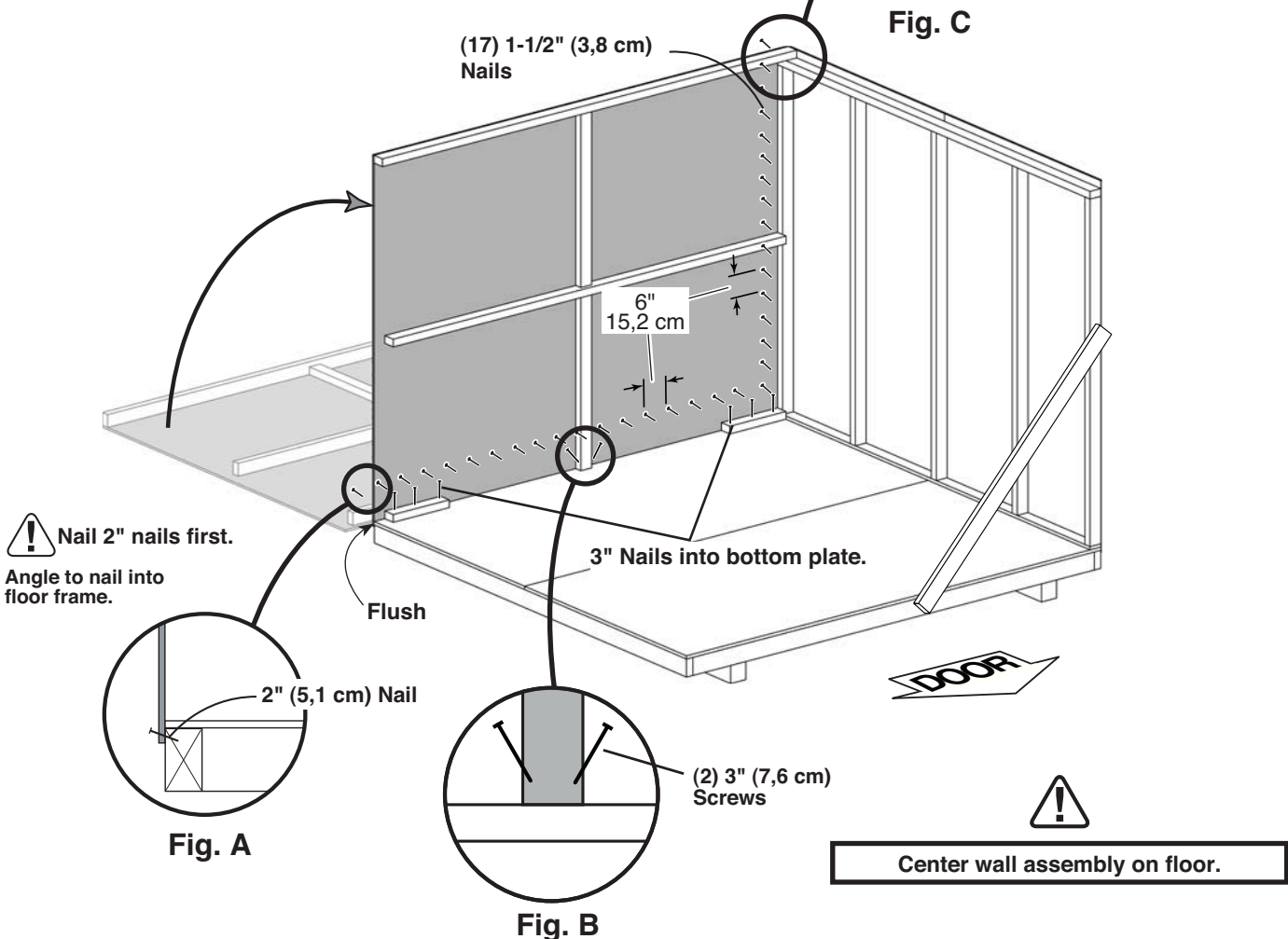
✓ BEGIN

- 1 Center back wall assembly on the 96" (243,8 cm) floor dimension.
- 2 First, nail lower edge of panel to floor frame using 2" nails 6" apart. Angle nail to hit floor frame (**Fig. A**).
- 3 Nail back wall bottom plates to floor using (3) 3" nails.
- 4 Screw back wall upright to floor using (2) 3" screws (**Fig. B**).
- 5 Nail back wall top plate to side wall using (2) 3" nails (**Fig. C**).
- 6 Nail Back wall panel to side wall stud using (17) 1-1/2" nails at 6" apart.



FINISH

- 7 Remove OO temporary brace.



SIDE WALL INSTALLATION

PARTS REQUIRED:

x10		—————→	
		3" (7,6 cm)	
x17		—————→	
		2" (5,1 cm)	
x17		—————→	
		1-1/2" (3,8 cm)	

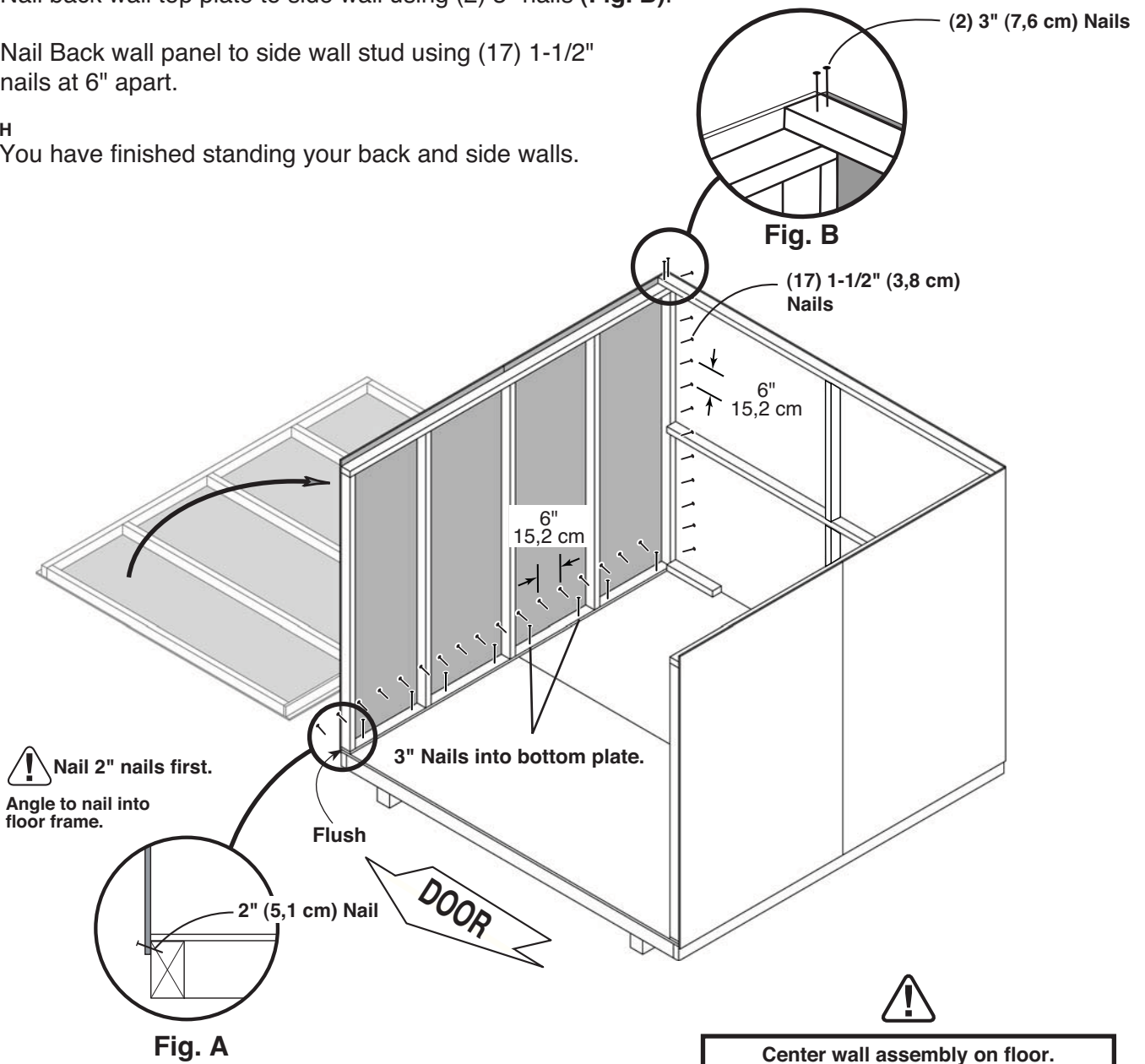
✓ BEGIN

- 1** Center side wall assembly on the 92-1/2" (235 cm) floor dimension.
- 2** First, nail lower edge of panel to floor frame using 2" nails 6" apart. Angle nail to hit floor frame (**Fig. A**).
- 3** Nail side wall bottom plate to floor using (8) 3" nails. (Nail (2) 3" nails between each stud through bottom plate)
- 4** Nail back wall top plate to side wall using (2) 3" nails (**Fig. B**).
- 5** Nail Back wall panel to side wall stud using (17) 1-1/2" nails at 6" apart.



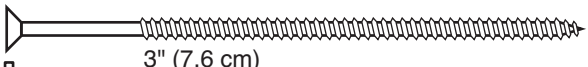
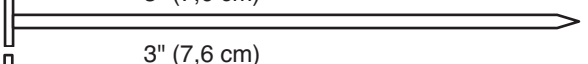
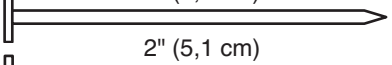
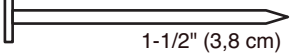
FINISH

- 6** You have finished standing your back and side walls.



SIDE WALL INSTALLATION

PARTS REQUIRED:

x2	
x4	
x8	
x26	

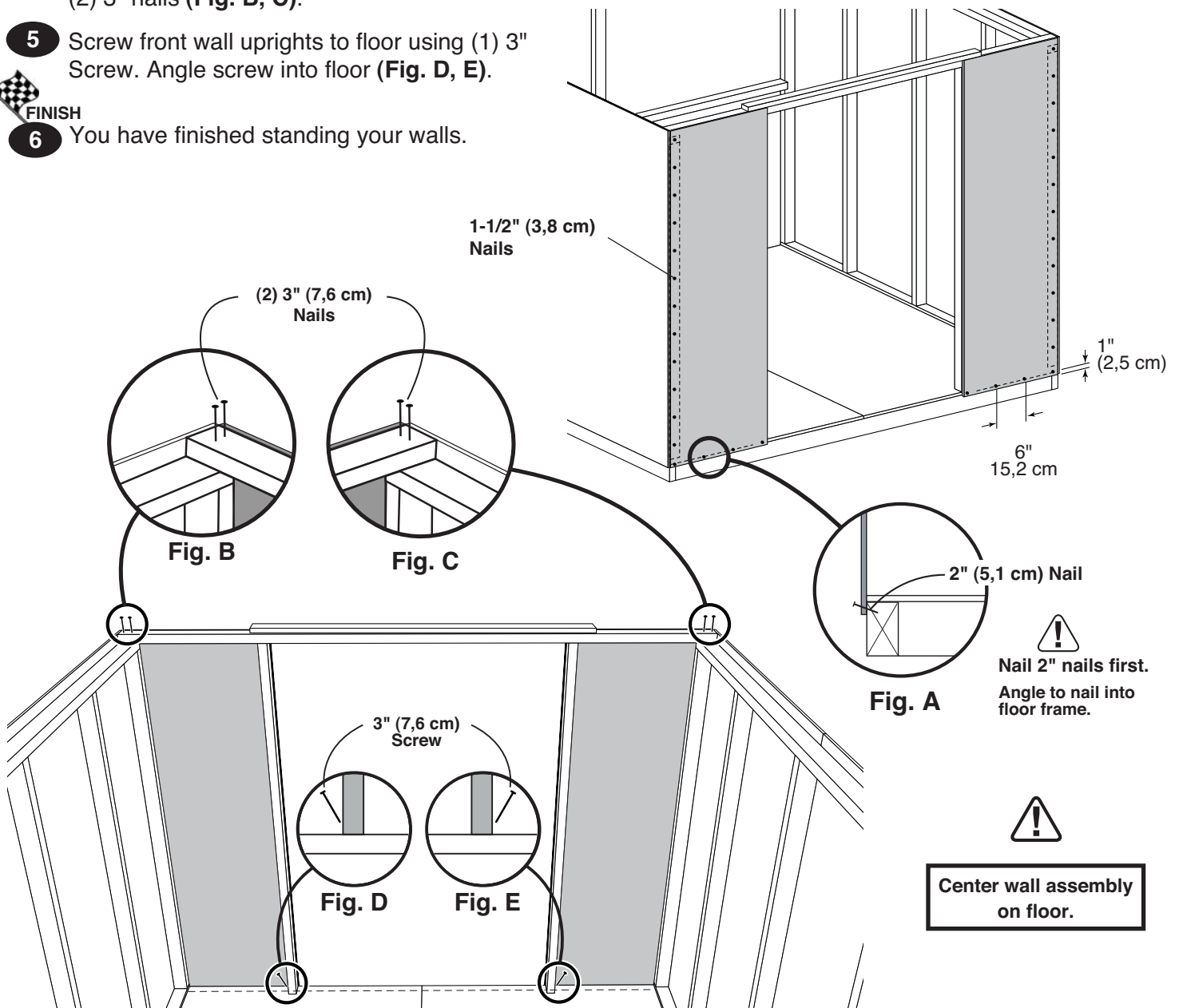
✓ BEGIN

- 1 Center front wall assembly on the 96" (243,8 cm) floor dimension.
- 2 First, nail lower edge of panel to floor frame using (8) 2" nails 6" apart. Angle nail to hit floor frame (**Fig. A**).
- 3 Nail front wall to side walls using (26) 1-1/2" nails 6" apart.
- 4 Nail front wall top plate to side walls using (2) 3" nails (**Fig. B, C**).
- 5 Screw front wall uprights to floor using (1) 3" Screw. Angle screw into floor (**Fig. D, E**).



FINISH

- 6 You have finished standing your walls.



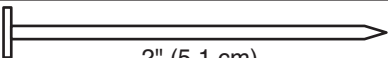
RAFTERS

PARTS REQUIRED:

x6  6 x 24" (15,2 x 61 cm)


x6 **CM**
2 x 4 x 54" (5,1 x 10,2 x 137,2 cm)

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

x72  2" (5,1 cm)



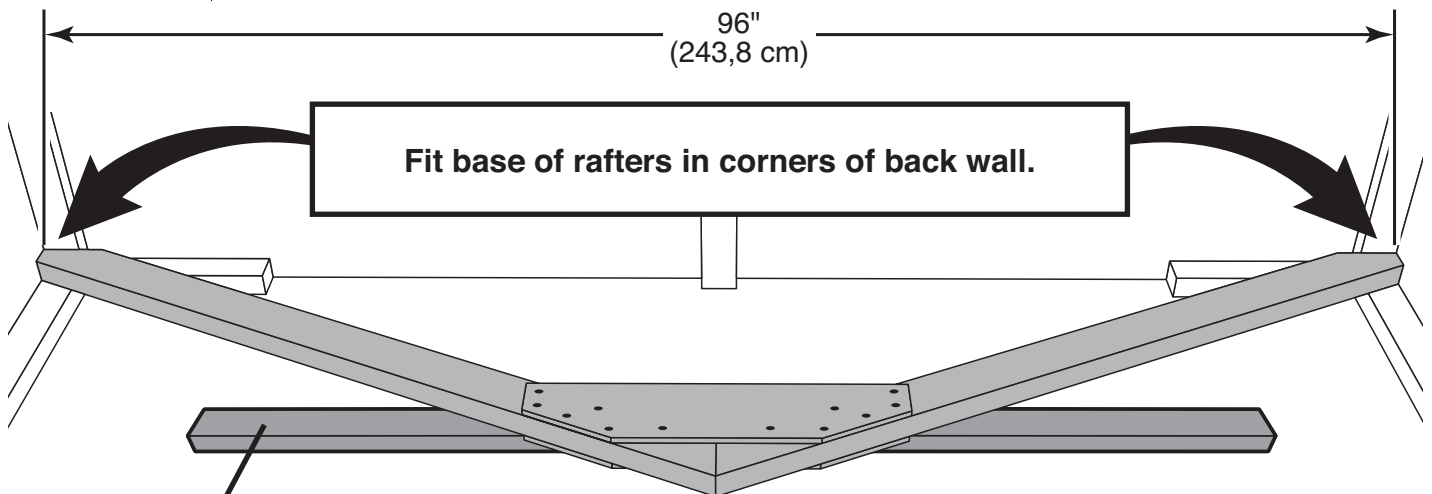
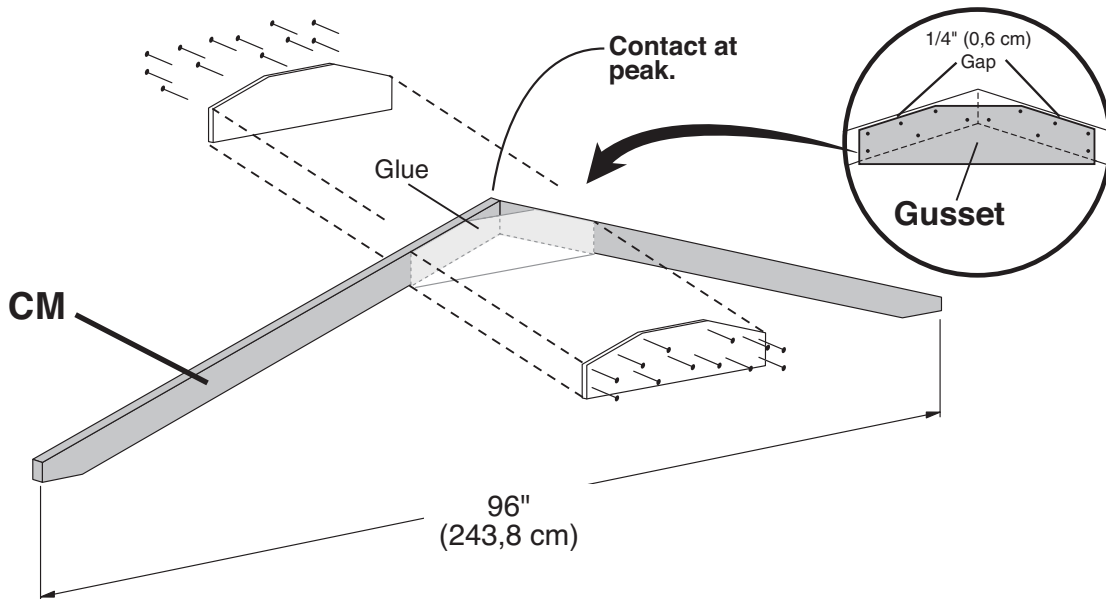
✓ BEGIN

- 1 Place two rafter halves **CM** in corners of back wall. You will assemble (3) rafters.
- 2  Apply glue on gusset and place on rafters.
- 3 Nail gusset onto rafter using 2" nails, staggered, as shown.
- 4 Flip over rafter assembly and glue and nail gusset to back side.



FINISH

- 5 Repeat steps 1-4 to build two more assemblies.



Use OO as Temporary Support

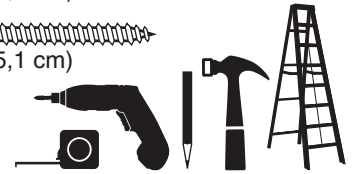
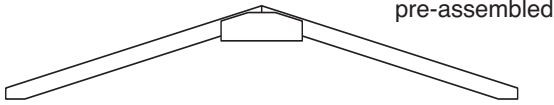
RAFTERS

PARTS REQUIRED:


x12 3" (7,6 cm)

x6 2" (5,1 cm)

x3



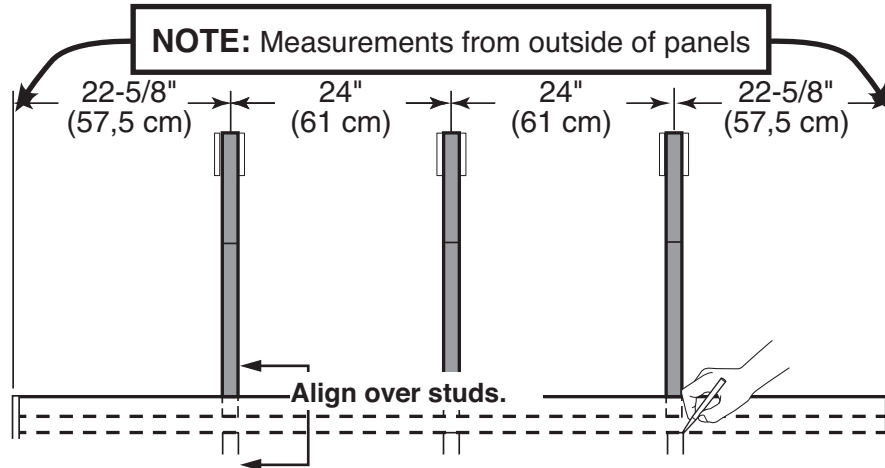
✓ BEGIN

- 1 Locate rafters directly over the wall studs.  Check you have the measurements shown.
- 2 Screw through panel into end of rafter with 2" screw (Fig. A). NOTE: use two screws at siding seam.
- 3 Secure with two 3" screws angled at each end (Fig. B).

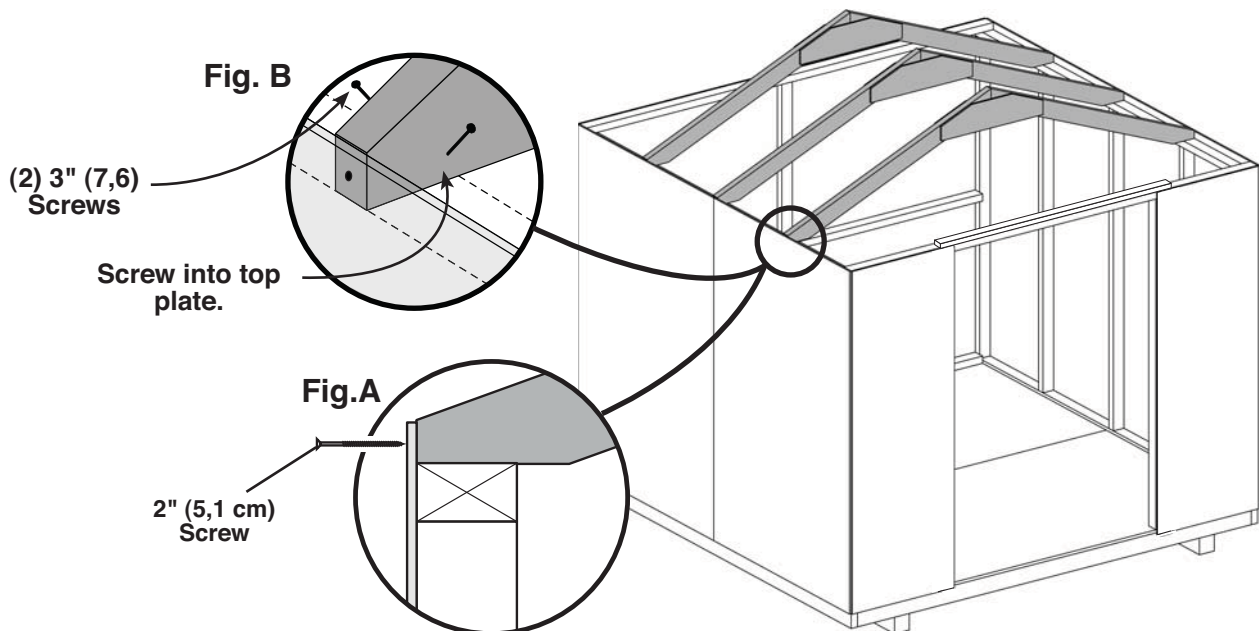


FINISH

- 4 You have finished installing your rafters. 




 **Maintain the measurements between rafters.**




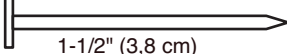
BACK WALL GABLE PANELS

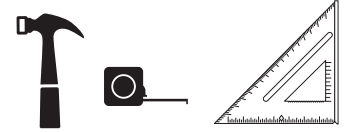
PARTS REQUIRED:

x1 **BV**
 2 x 3 x 17-1/2" (5,1 x 7,6 x 44,5 cm)

x1

 3/8 x 21 x 48"
 (1 x 53,3 x 121,9 cm)

x1

 3/8 x 21 x 48"
 (1 x 53,3 x 121,9 cm)

x17 
 1-1/2" (3,8 cm)



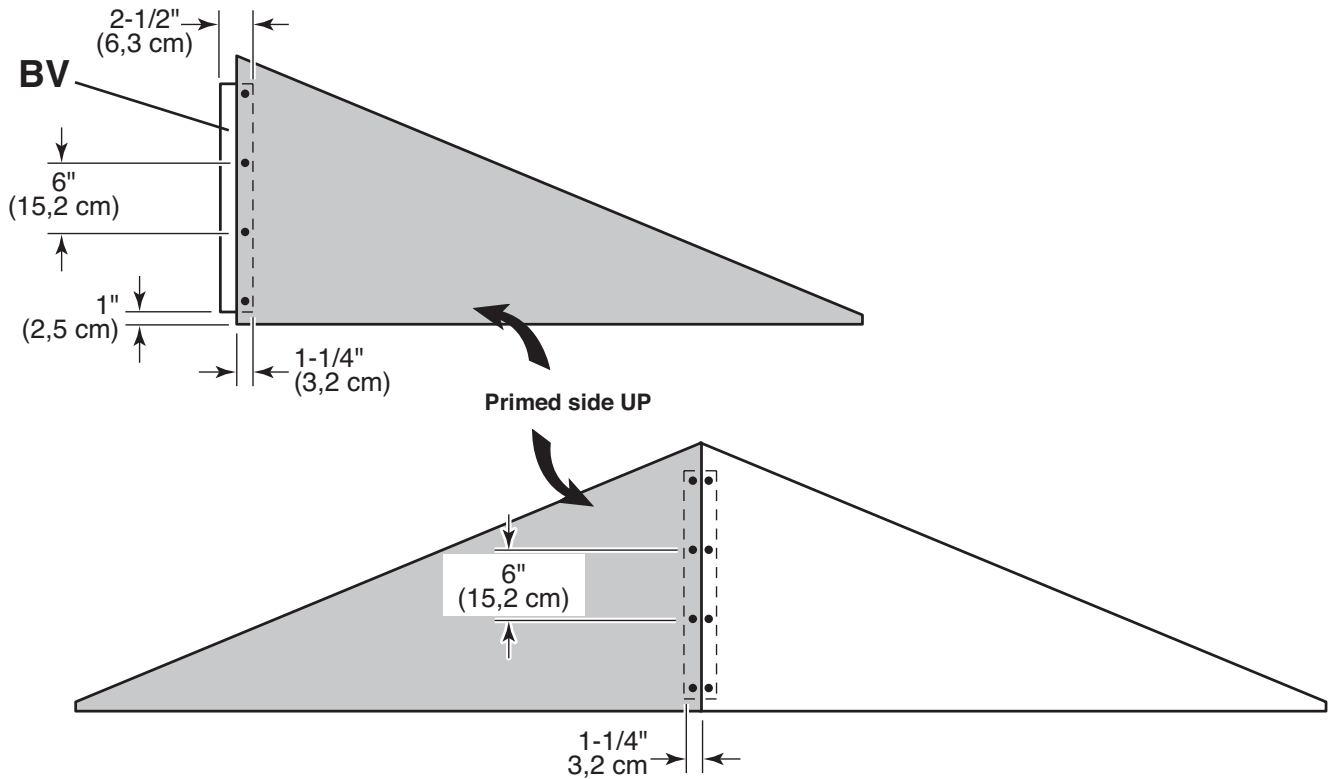
✓ BEGIN

- 1** Place **BV** on flat on floor.
- 2** Place **RIGHT** gable panel centered on **BV** with a 1" overhang on bottom. Nail using (4) 1-1/2" nails.
- 3** Place **LEFT** gable panel flush to right panel on **BV** with a 1" overhang on bottom. Nail using (4) 1-1/2" Nails.



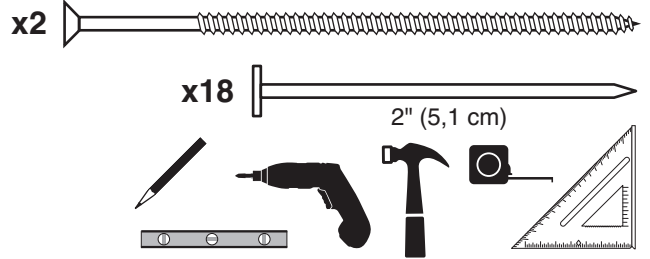
FINISH

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



BACK WALL GABLE PANELS

PARTS REQUIRED:



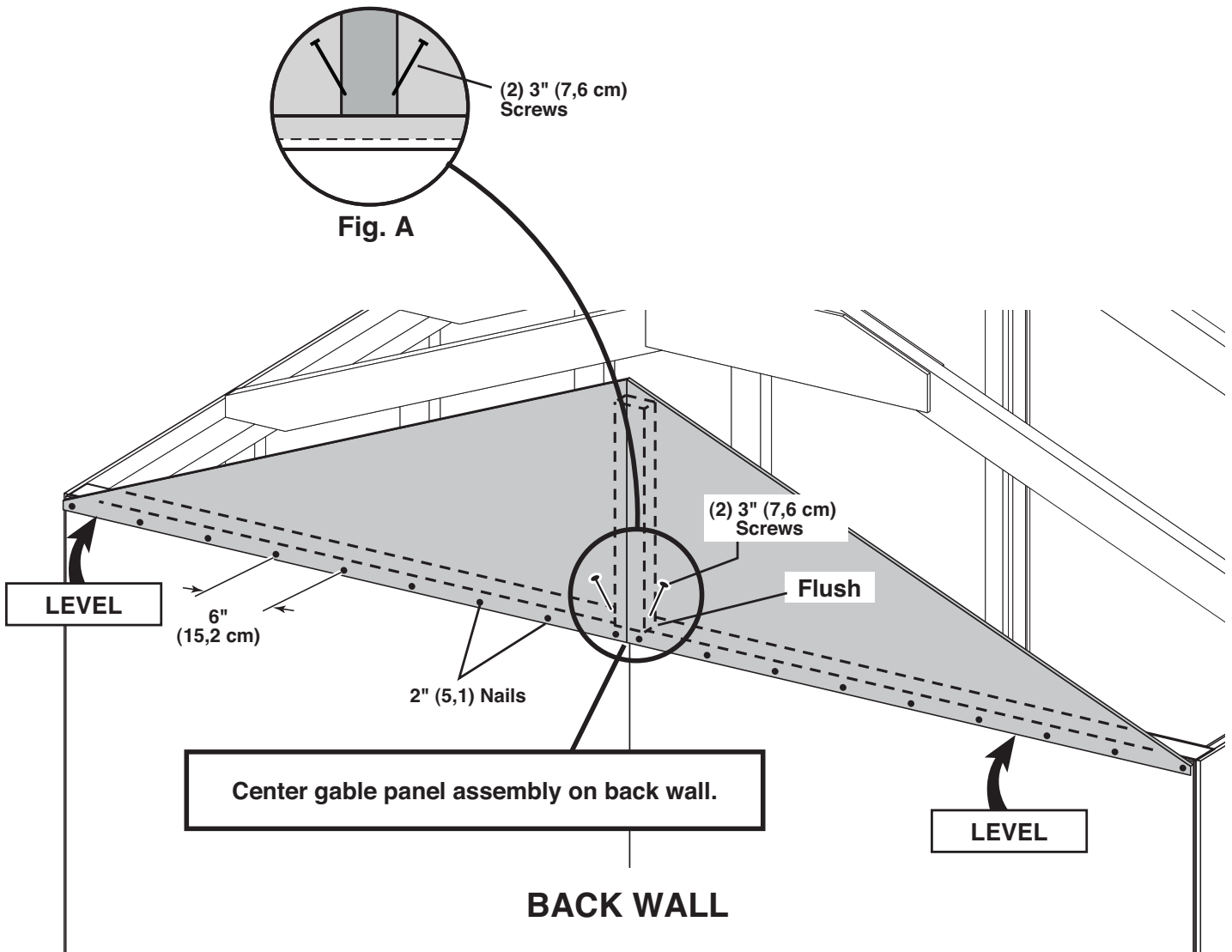
✓ BEGIN

- 1 Place gable assembly centered on back wall top plate overlapping back wall panels.
- 2 Screw **BV** to top plate using (2) 3" screws (**Fig. A**).
- 3 Nail assembly to back wall panels using (18) 2" nails.



FINISH

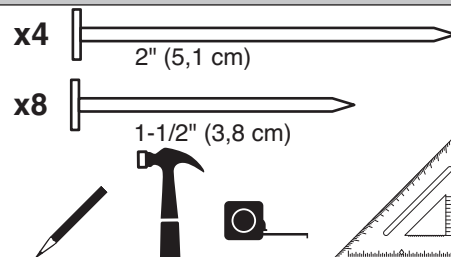
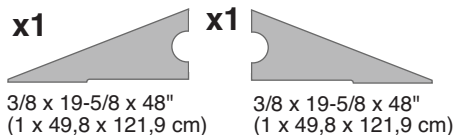
- 4 You have finished installing your back wall gable panels.



FRONT WALL GABLE PANELS

PARTS REQUIRED:

x1 **LB** 2 x 3 x 5" (5,1 x 7,6 x 10,2 cm) **x1** **LCA** 2 x 3 x 6" (5,1 x 7,6 x 15,2 cm)

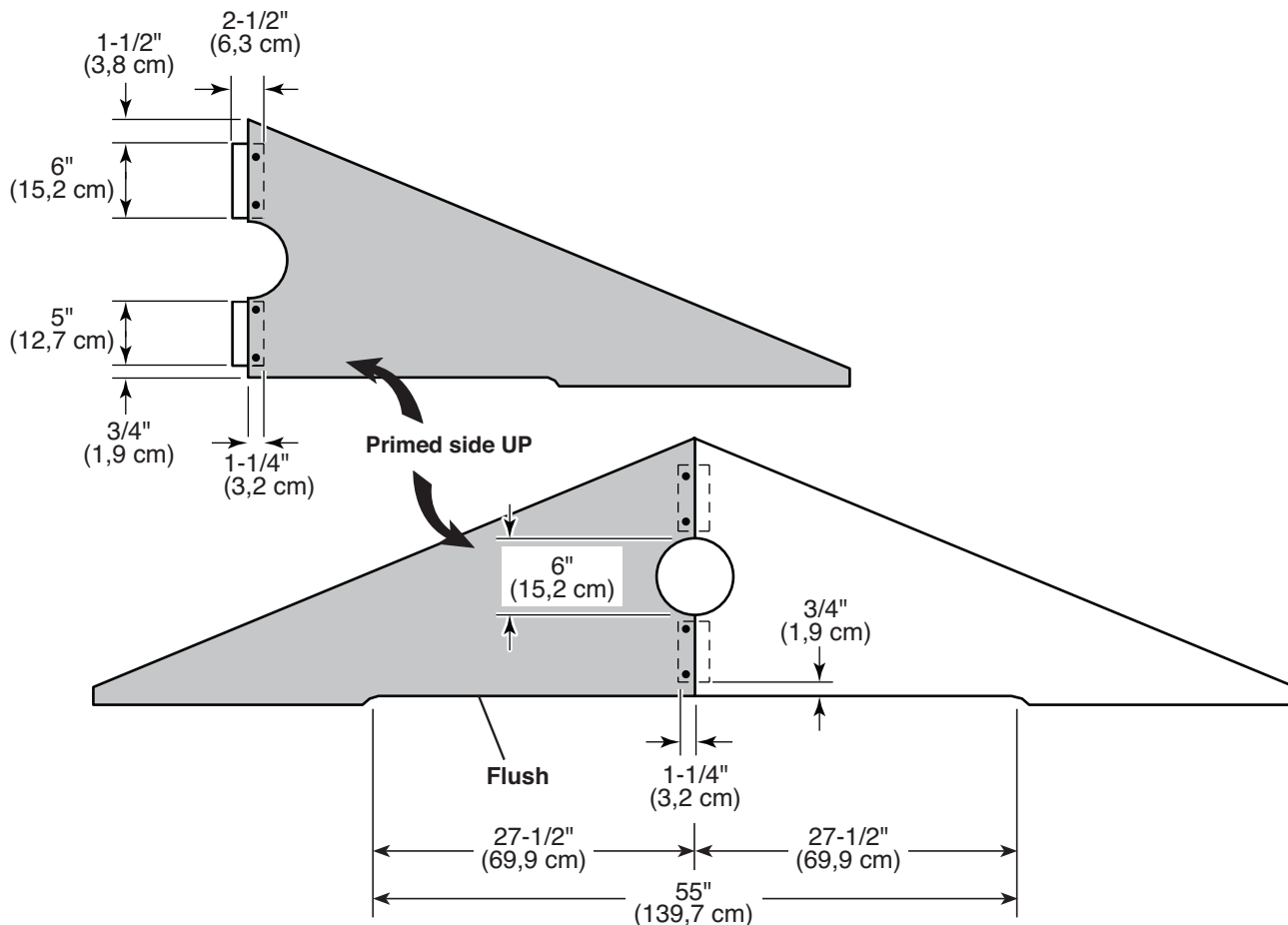


✓ BEGIN

- 1** Place **2 x 3 x 5"** and **2 x 3 x 6"** boards on flat on floor as shown.
- 2** Place **RIGHT** gable panel centered on **2 x 3's** with a 1" overhang on bottom and 1-1/2" overhang on top. Nail using (4) 2" nails.
- 3** Place **LEFT** gable panel flush to right panel on **2 x 3's** with a 1" overhang on bottom. Nail using (4) 2" Nails.

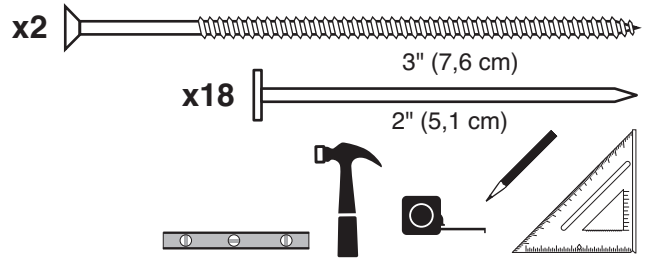
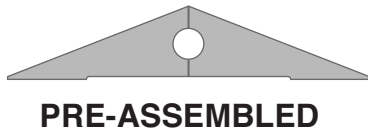


- 4** You have finished building your Front wall gable panels.



FRONT WALL GABLE PANELS

PARTS REQUIRED:



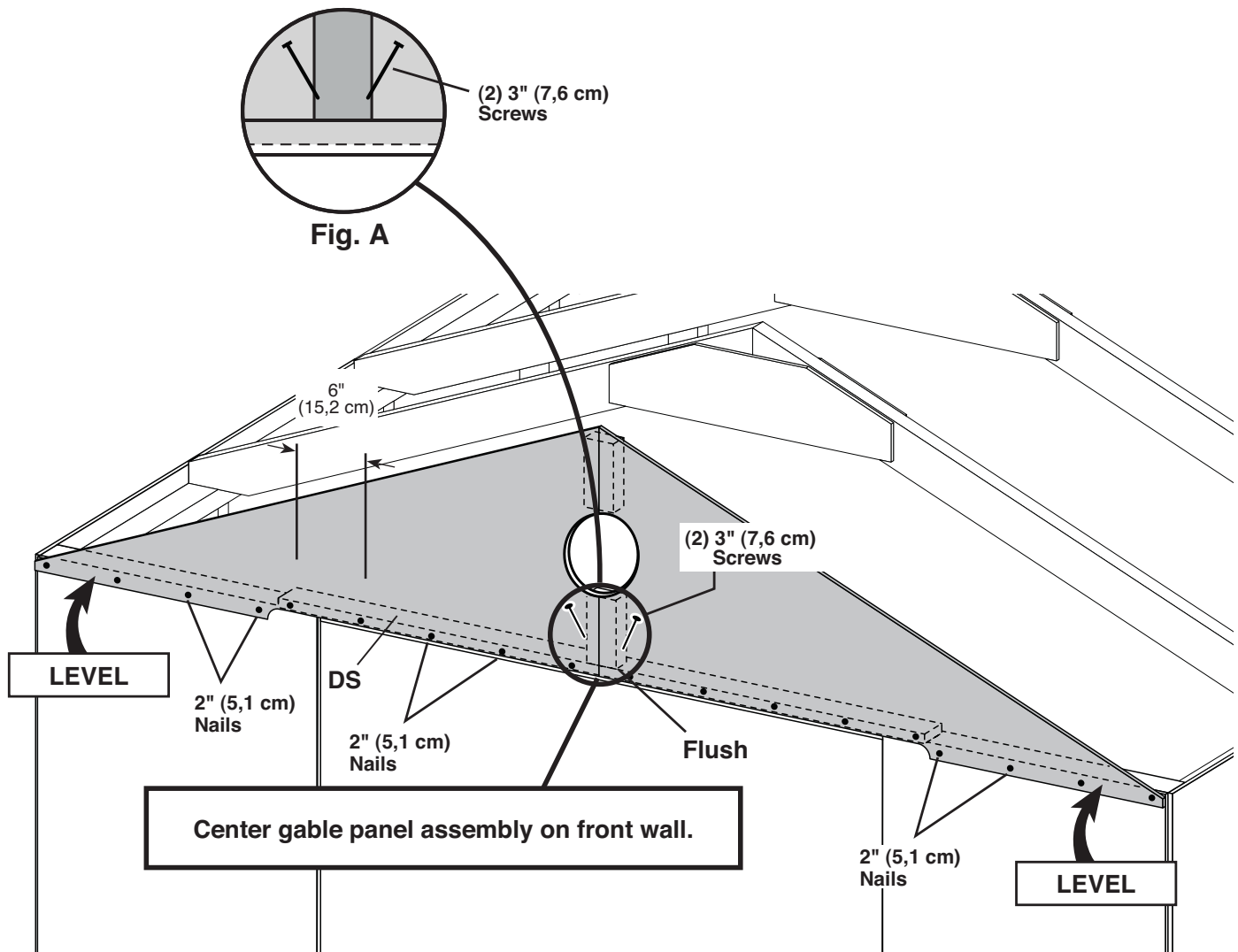
✓ BEGIN

- 1 Place gable assembly centered on front wall top plate overlapping front wall panels.
- 2 Screw **BV** to top plate using (2) 3" screws (**Fig. A**).
- 3 Nail gable panels to front wall panels and **DS** using (18) 2" nails, 6" apart.



FINISH

- 4 You have finished installing your back wall gable panels.

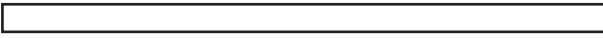


TRIM

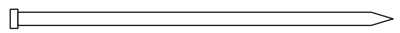
PARTS REQUIRED:

x4 

3/8 x 1-3/4 x 71" (1 x 4,4 x 180,3 cm)

x4 

3/8 x 1-3/4 x 72" (1 x 4,4 x 182,9 cm)

x56  2" (5,1 cm)



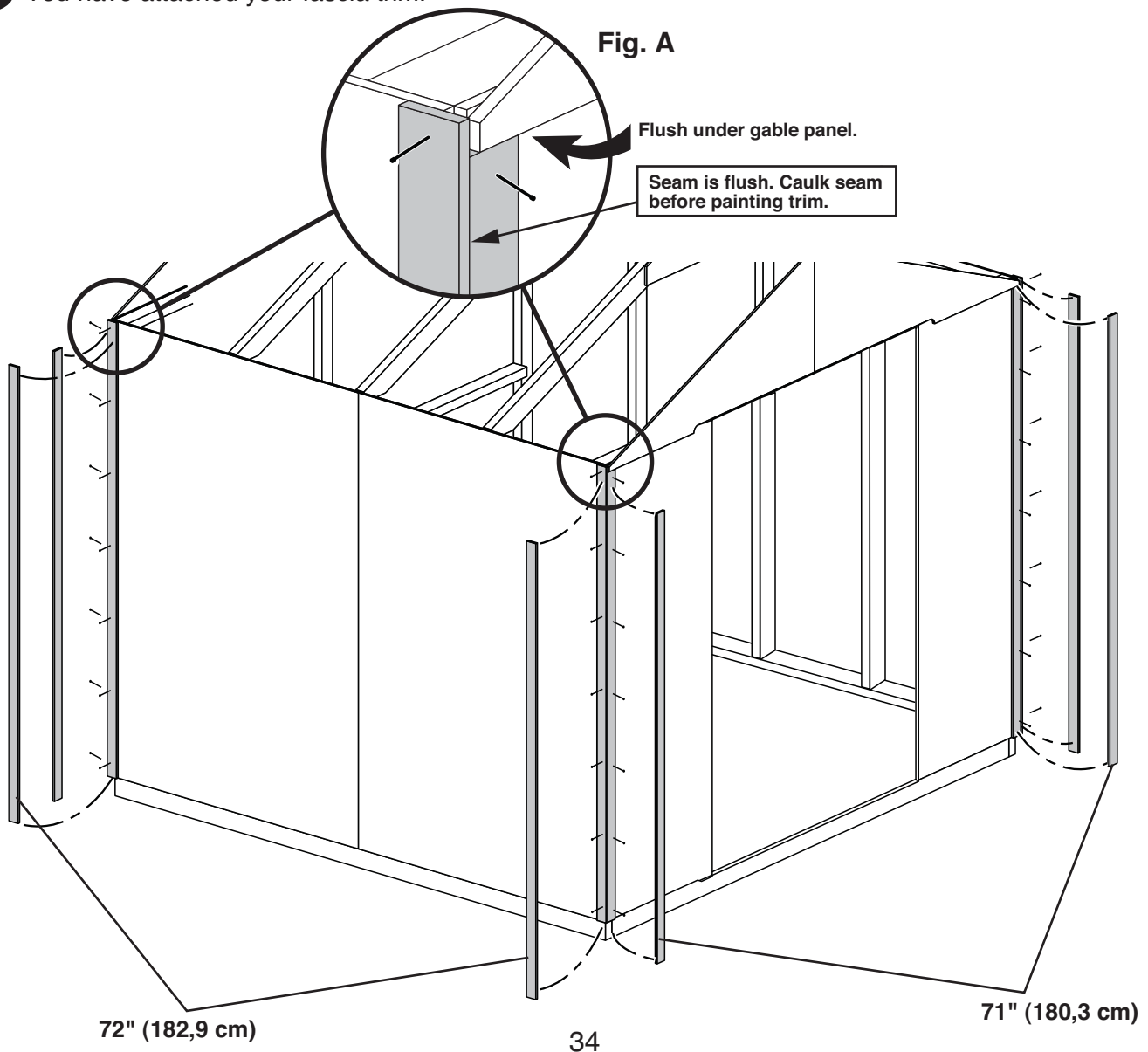
✓ BEGIN

- 1 Attach 71" trim flush under gable panel (**Fig. A**) using (2) 2" (5,1 cm) nails as shown.
- 2 Attach 72" trim flush to top of side wall panel and flush to edge of 71" trim (**Fig. A**) using (1) 2" (5,1 cm) nail as shown.
- 3 Finish attaching trim flush to corners (**Fig. B**) using (7) 2" (5,1 cm) finish nails as shown.
- 4 Repeat steps 1-3 to attach trim to all four corners.



FINISH

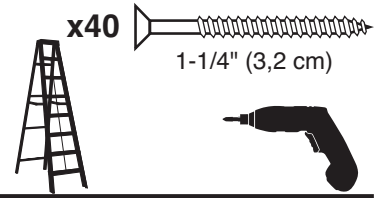
- 5 You have attached your fascia trim.



GABLE TRIM

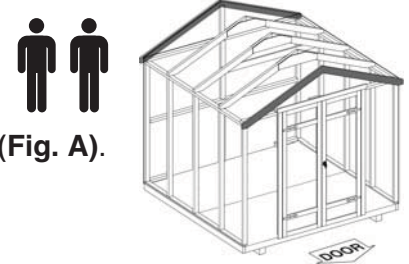
PARTS REQUIRED:

x4 **CL**
2 x 4 x 53-11/16" (5,1 x 10,2 x 136,4 cm)



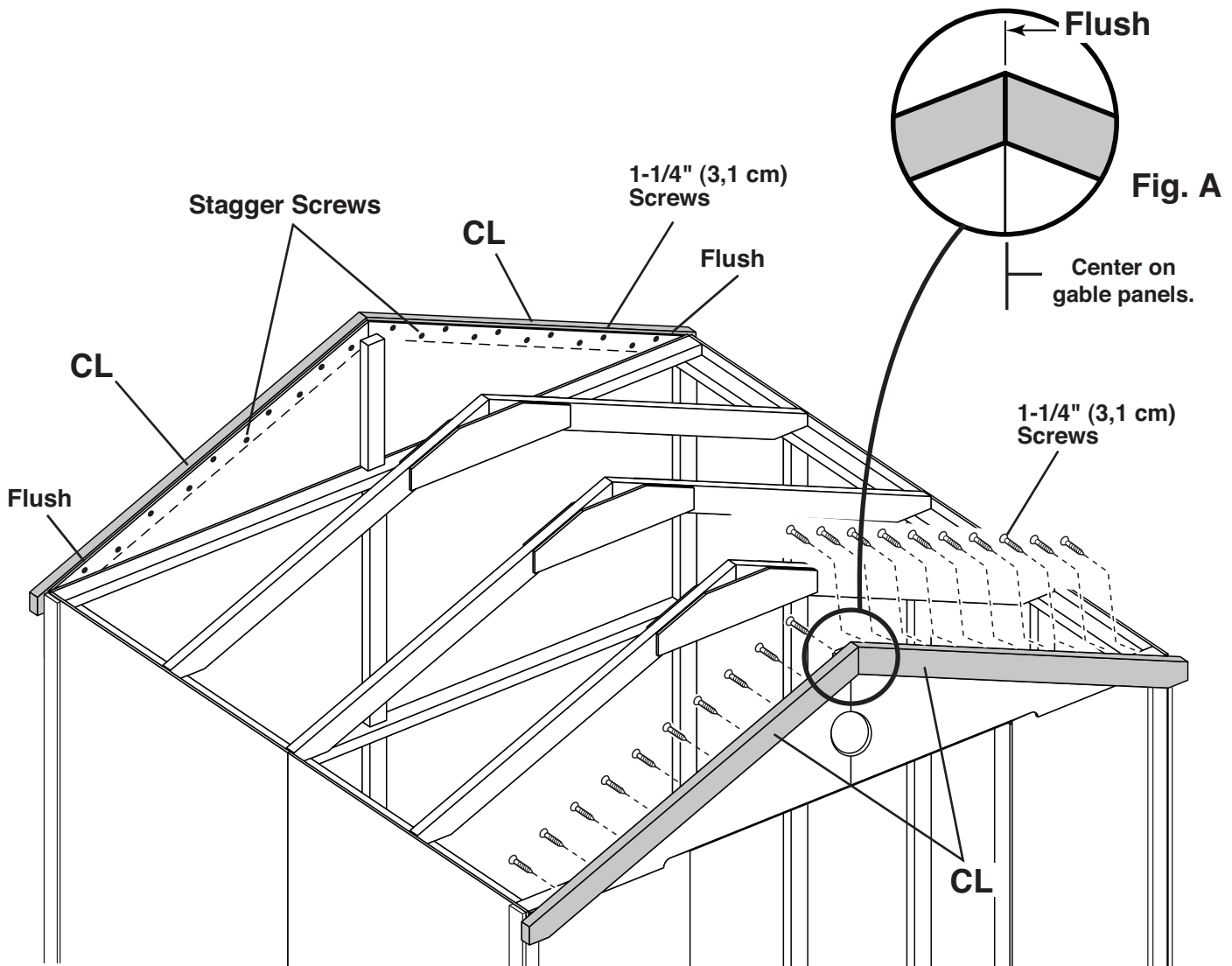
✓ BEGIN

- 1 Position one **CL** flush to front panel edge and center on right edge of groove (**Fig. A**). Attach trim with eight 1-1/4" screws from inside.
- 2 Position second **CL** flush to panel edge and flush to **CL** already attached (**Fig. A**). Attach trim with (10) 1-1/4" screws from inside.
- 3 Repeat steps 1-2 to attach the back trim.



FINISH

- 4 You have attached your upper trim.




ROOF PANELS

PARTS REQUIRED:

x2



7/16 x 48 x 96"
(1,1 x 121,9 x 243,8 cm)

x8  2" (5,1 cm)



 Roof panels may cause serious injury until securely fastened.

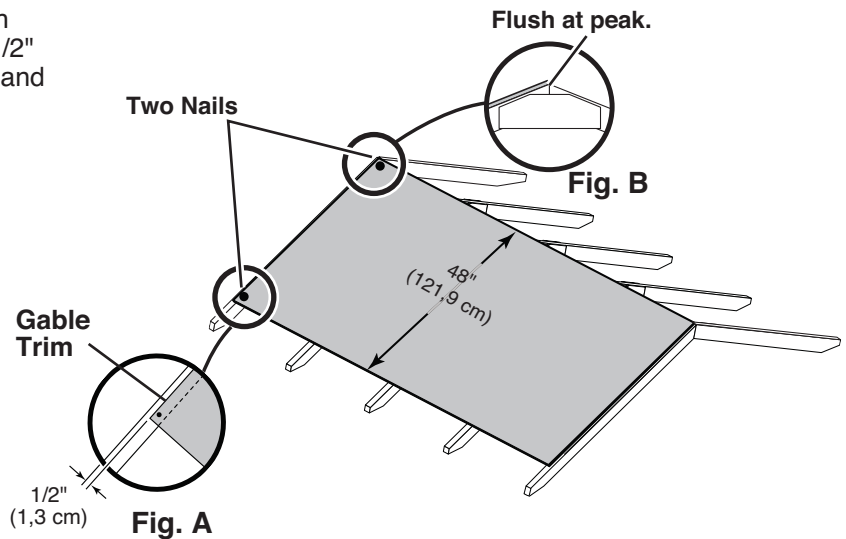


You must square the roof by attaching one panel first. You will use the panels' long edge as a lever to bring your roof into square. Commonly known as "racking".

✓ BEGIN

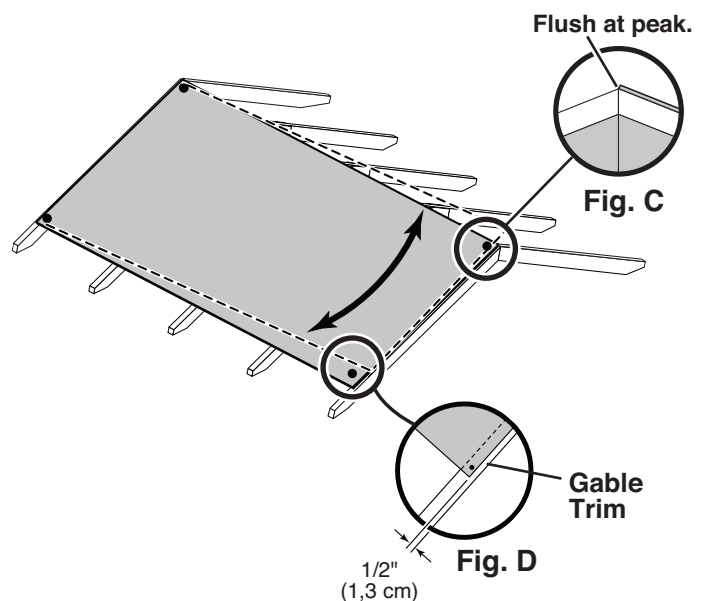
- 1 Attach the 48 x 96" panel with the rough side up (painted-grid lines side) with a 1/2" measurement on the gable trim (**Fig A**) and the panel flush at the peak (**Fig. B**).

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 1/2" measurement to the gable trim (**Fig. D**).

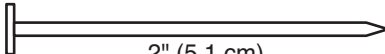
You may need to move your backwall to get the 1/2" measurement. Secure panel with two 2" nails in the corners.

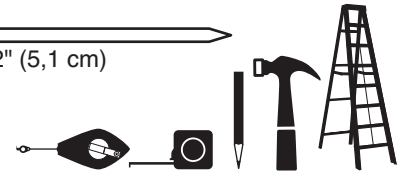


ROOF PANELS

PARTS REQUIRED:

x2  5-7/8" x 96"
(14,9 x 243,8 cm)

x86  2" (5,1 cm)



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

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

Nail the roof panel using 2" nails 6" apart on edges and 12" apart inside panel (**Fig. F**).

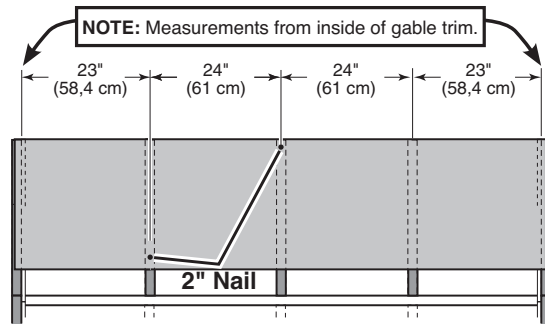


Fig. E

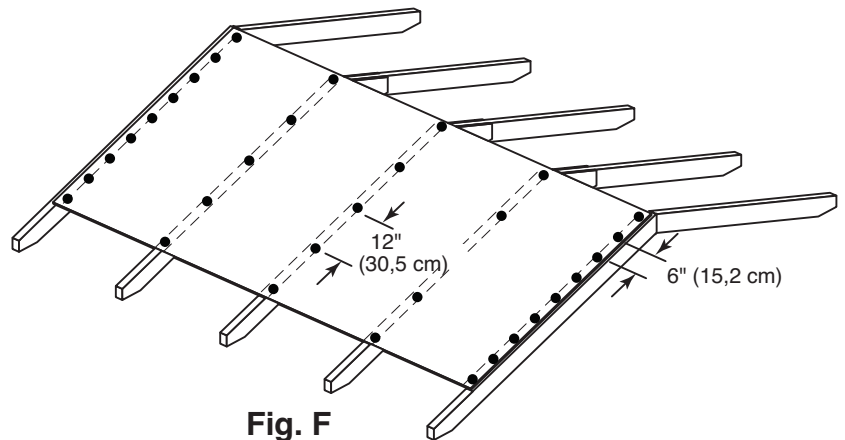


Fig. F

- 4** Attach the lower roof panel flush to the upper panels and with a 1/2" measurement at the gable trim (**Fig. G**).

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

Repeat process to attach roof panels on the opposite side.

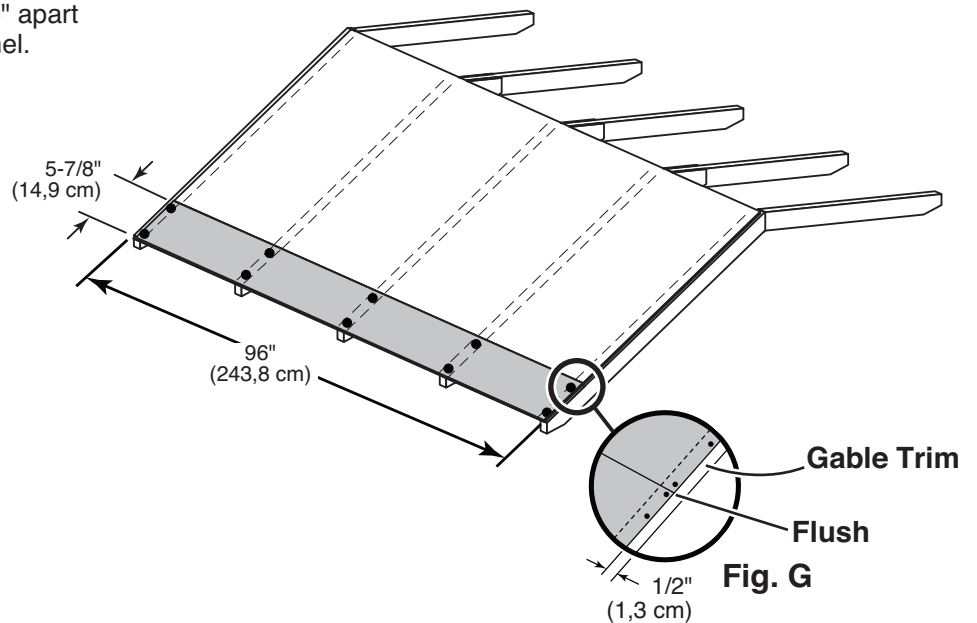
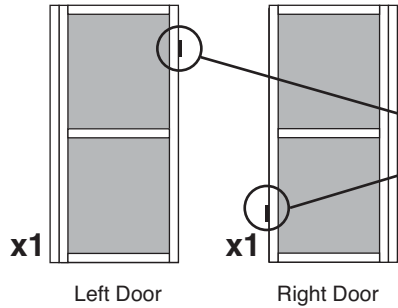


Fig. G

DOORS

PARTS REQUIRED:



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

x1 **JF**
1 x 4 x 60" (2,5 x 10,2 x 152,4 cm)

x4 1-1/4" (3,2 cm)

x4 2" (5,1 cm)

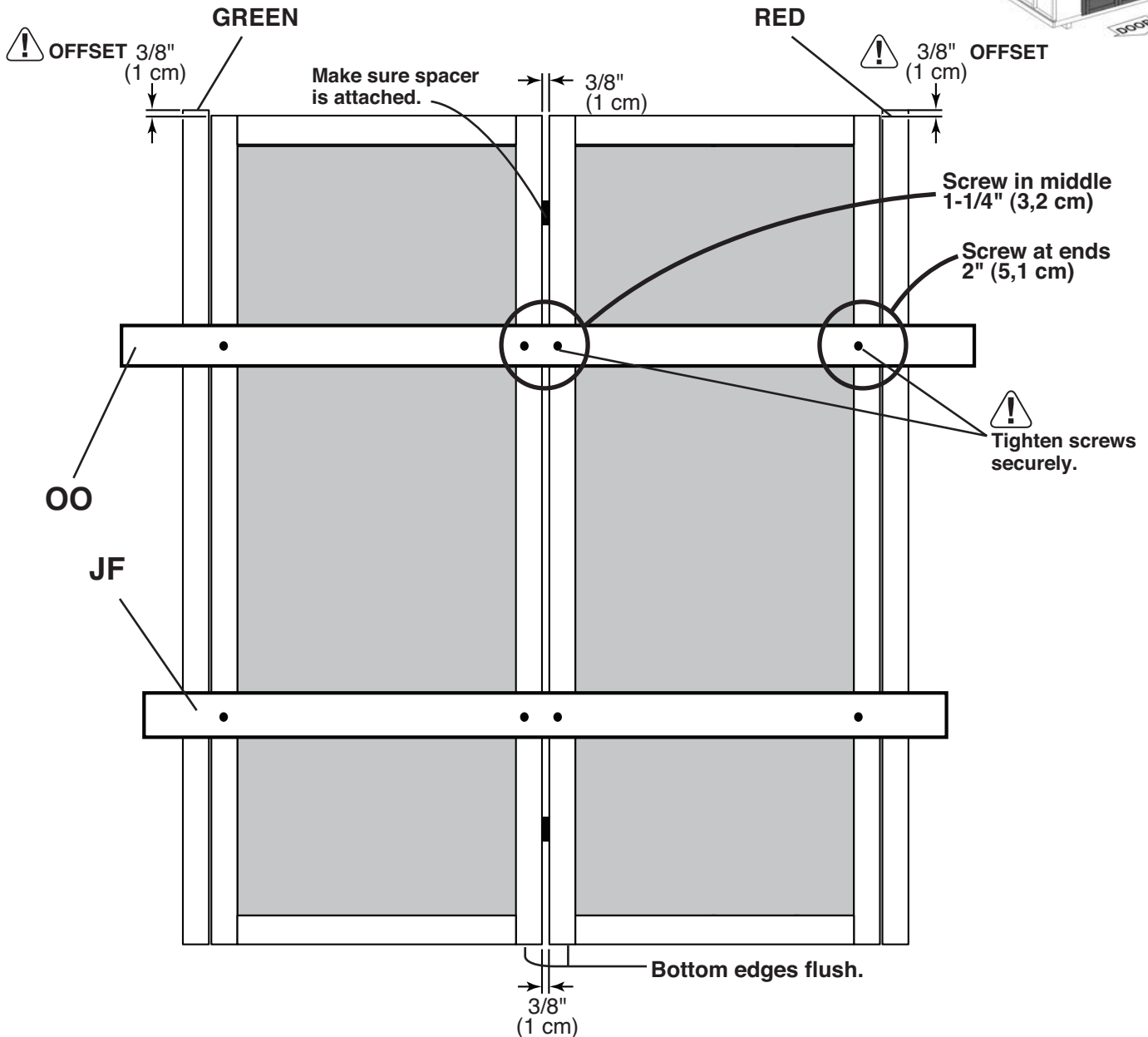
HINT:
Look for 3/8" SPACER
attached to doors.



✓ **BEGIN**

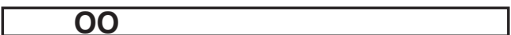
1 Orient parts as shown on flat surface. **3/8" offset is to top.** Look for red (right) and green (left) on hinge board.

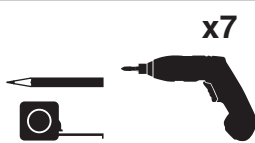
Attach temporary supports **OO** and **JF** with 1-1/4" screws in middle and 2" screws at ends. Tighten securely.



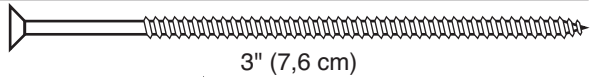
DOORS

PARTS REQUIRED:

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



x7



3" (7,6 cm)

x6



2" (5,1 cm)

- 2 Attach temporary support **OO** as a ledger board for doors to rest on, using three 3" screws. Measure 72" down from gable panels (**Fig. A**).

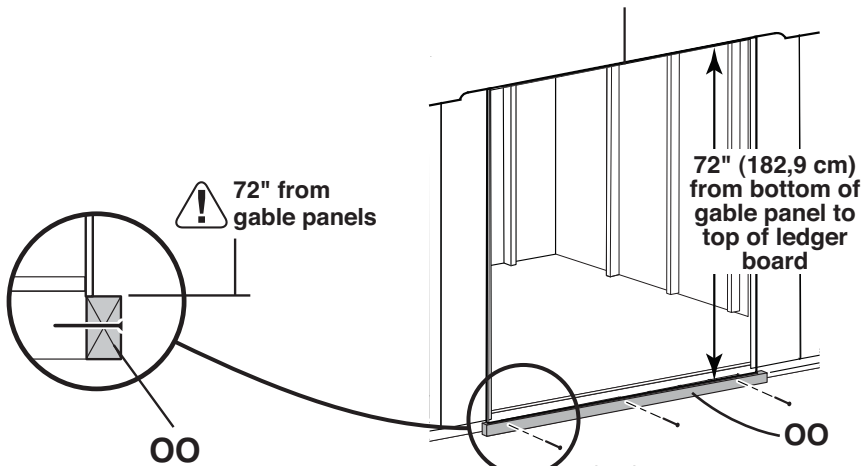



Fig. A



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

 Check hinge board is flush under gable panels (**Fig. C**).

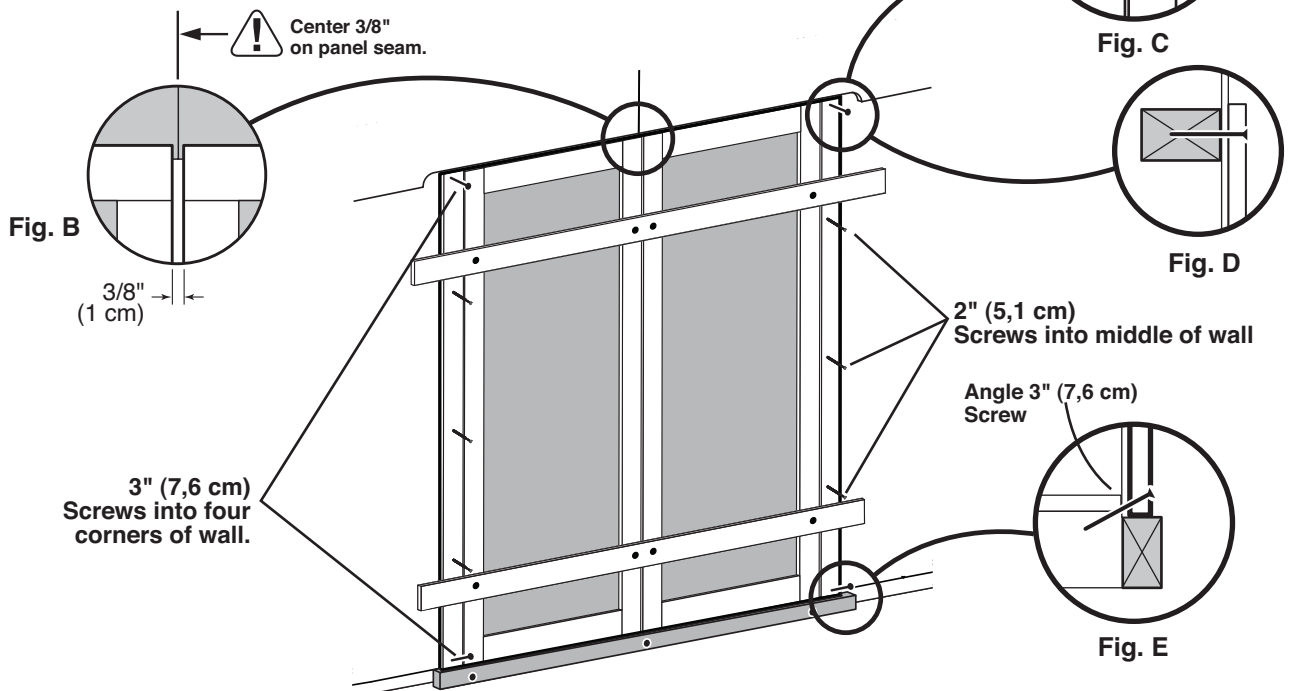
- 4 Screw hinge boards into wall supports and floor at each corner of door frame using (4) 3" screws as shown. Continue to secure frame using (6) 2" screws.

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

- 5 Remove temporary supports and check doors open properly.



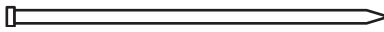
- 6 You have finished installing your doors.

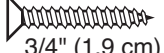


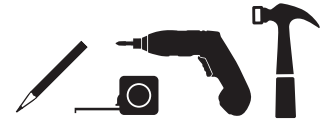
DOOR

PARTS REQUIRED:

x1 **ZJ**
19/32 x 2-1/2 x 72" (1,5 x 6,4 x 182,8 cm)

x8  2" (5,1 cm)

x36  3/4" (1,9 cm)



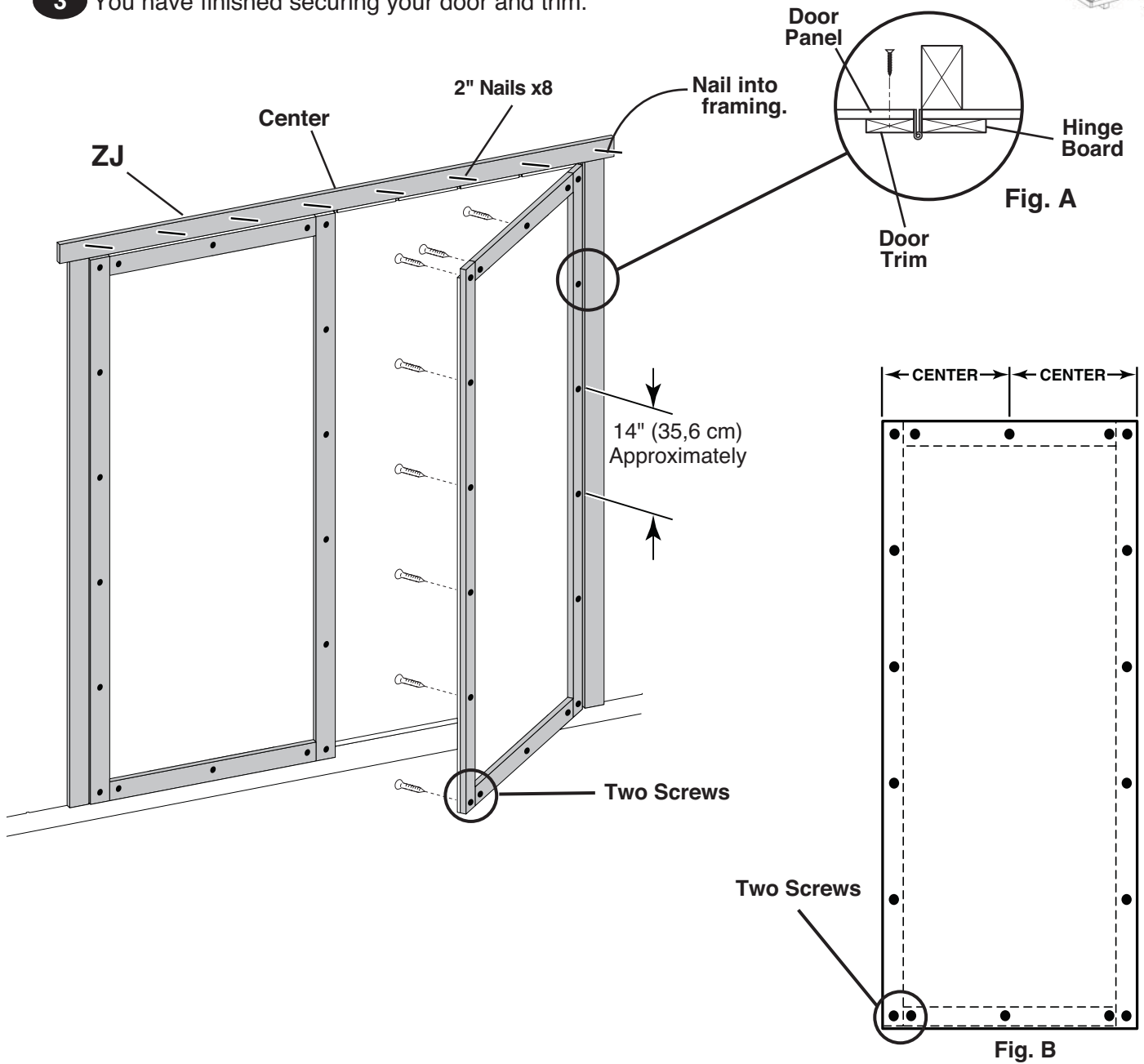
✓ BEGIN

- 1 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.
- 2 Center trim **ZJ** over doors and secure using eight 2" finish nails into framing as shown. Remove 3/8" spacers from doors.




FINISH

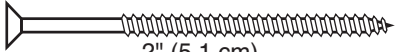



- 3 You have finished securing your door and trim.



DOOR WEATHERSTRIP

PARTS REQUIRED:

x2 
 2 x 3 x 69" (5,1 x 7,6 x 175 cm)

x12  2" (5,1 cm)
  

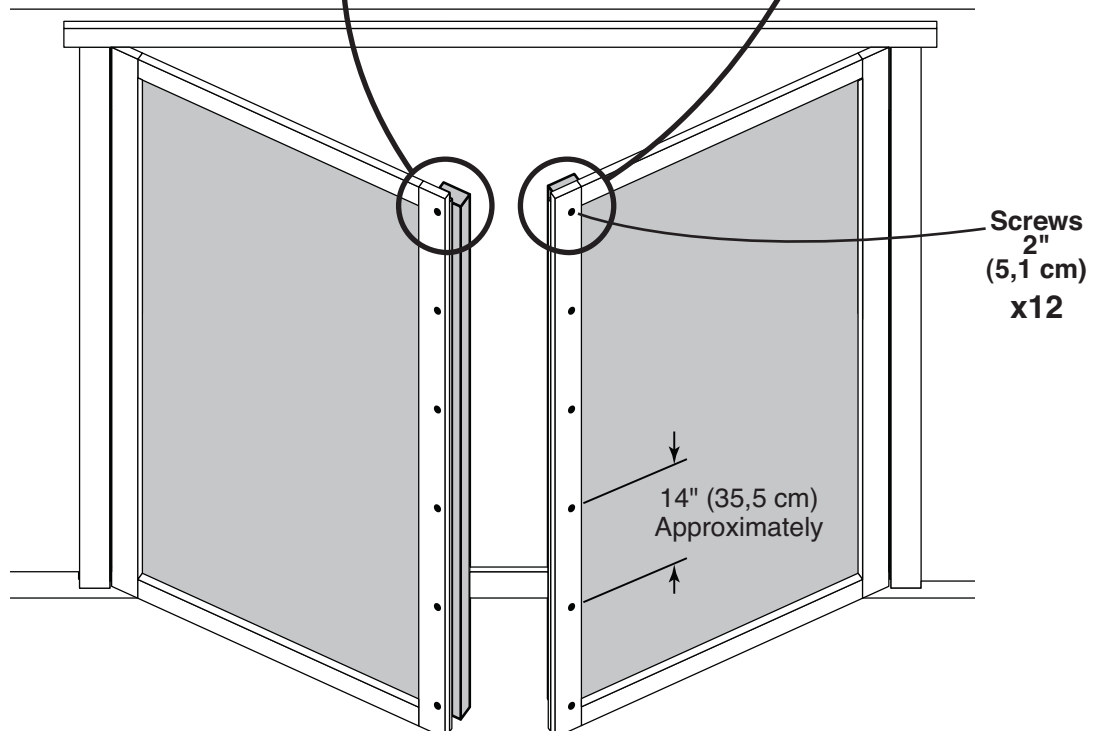
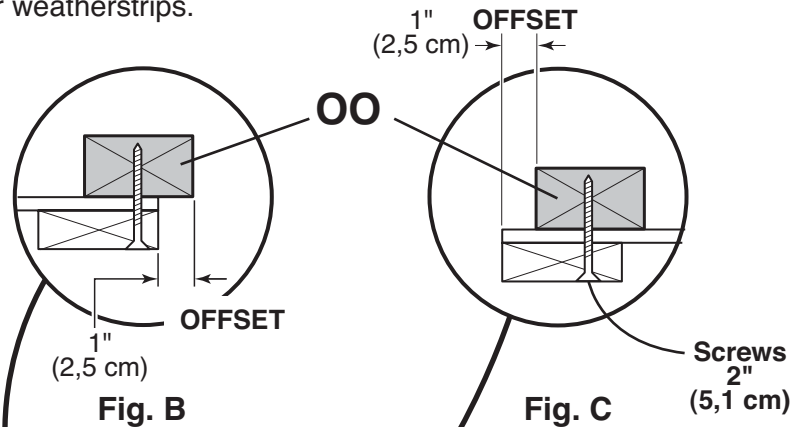
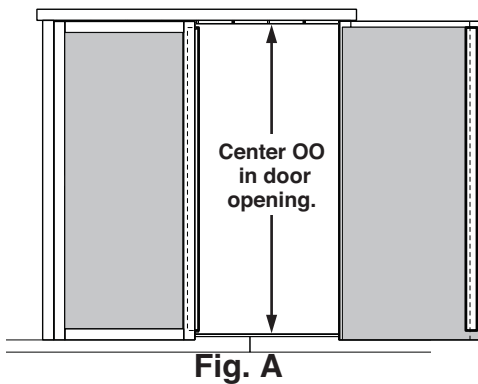
✓ BEGIN

- 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**).



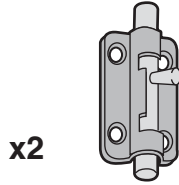
FINISH


- 5 You have finished installing your door weatherstrips.



DOOR HARDWARE

PARTS REQUIRED:



x8 
3/4" (1,9 cm)

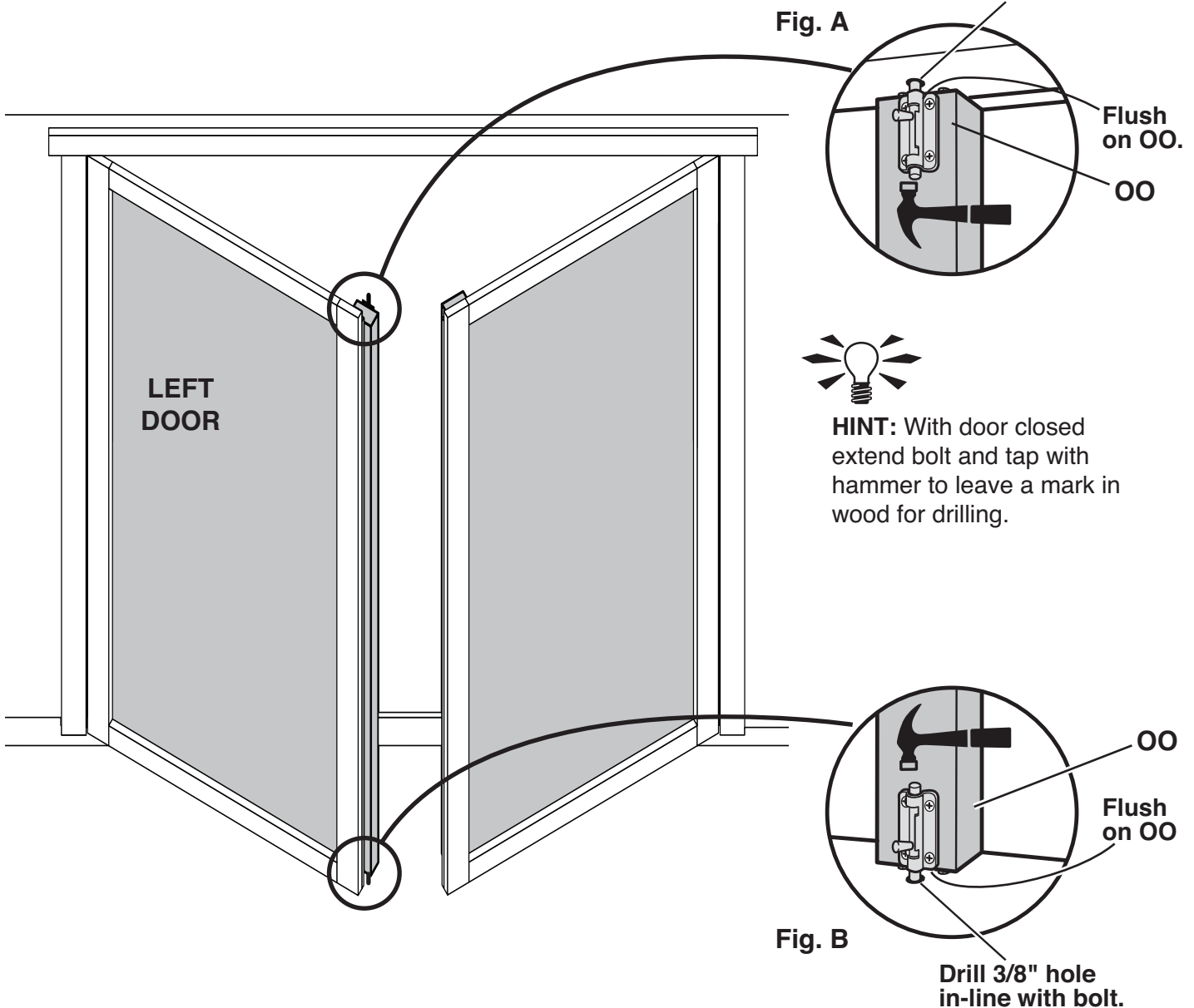


✓ BEGIN

- 1 Mount one barrel bolt flush at top of **OO** on left door using 3/4" screws as shown (Fig A).
- 2 Mount the second barrel bolt flush at bottom of **OO** on left door using 3/4" screws as shown (Fig B).
- 3 With door closed mark hole locations for bolts to extend into.



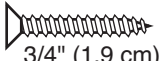
HINT: Extend bolts to leave marks in wood. Tap bolts with hammer. Drill 3/8" holes deep enough for each bolt to slide into. **Drill 3/8" hole in-line with bolt.**

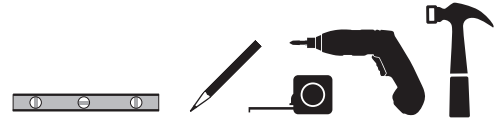


DOOR RAILS

PARTS REQUIRED:

x4 **BEA**
19/32 x 2-1/2 x 19" (1,5 x 6,4 x 48,3 cm)

x12 
3/4" (1,9 cm)



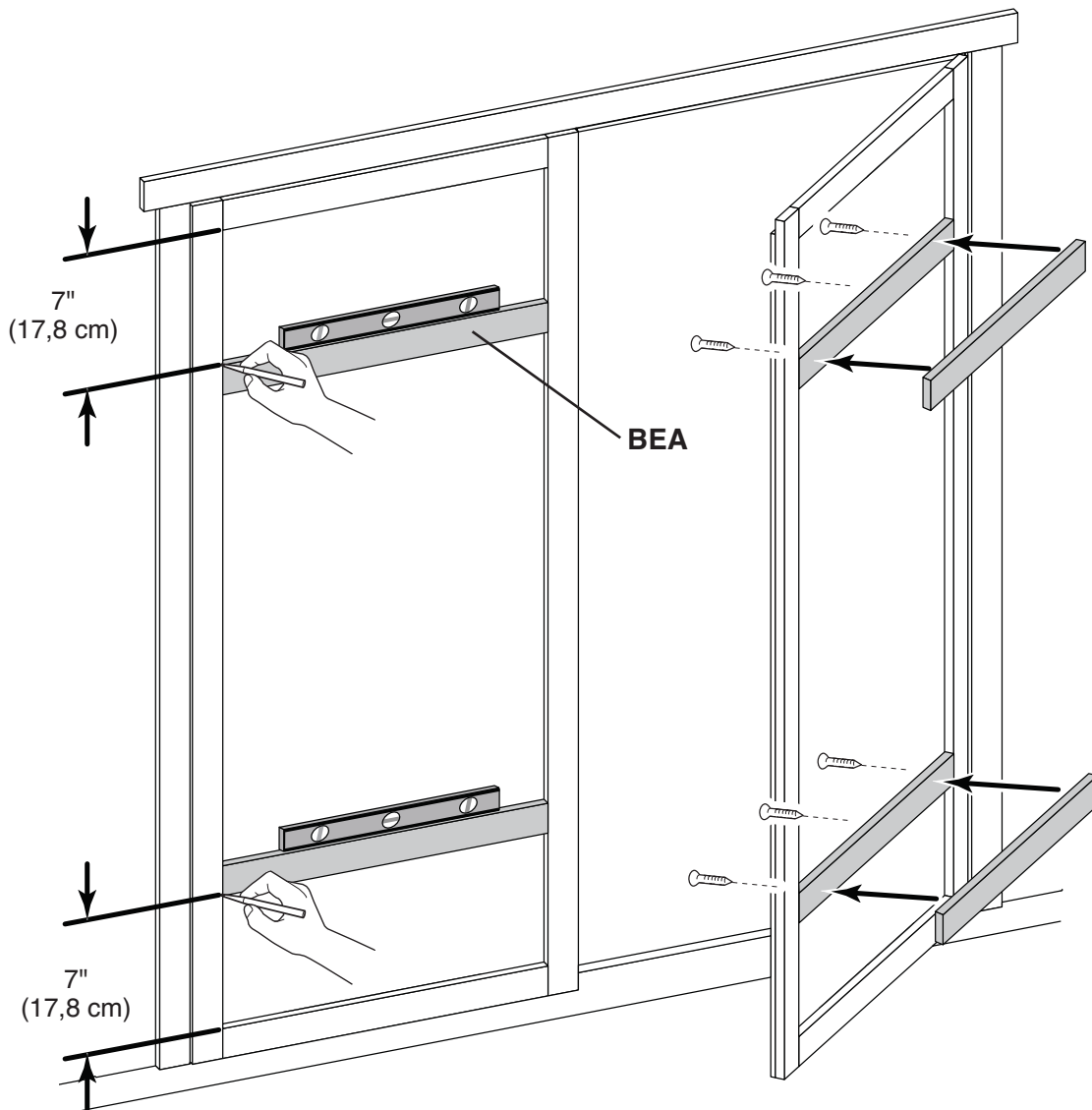
✓ BEGIN

- 1 Measure and mark side door trim 7" (17,8 cm) from top and bottom door trim.
- 2 Place **BEA** on door as shown.
Install using (3) 3/4" screws from inside of door.
- 3 Repeat step 2 for the 3 remaining horizontal door rails.



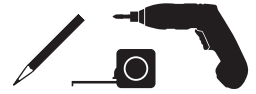
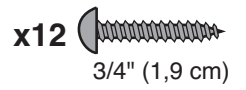
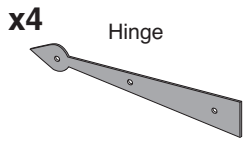
FINISH

- 4 You have finished installing your horizontal door rails.



DOOR HINGES

PARTS REQUIRED:



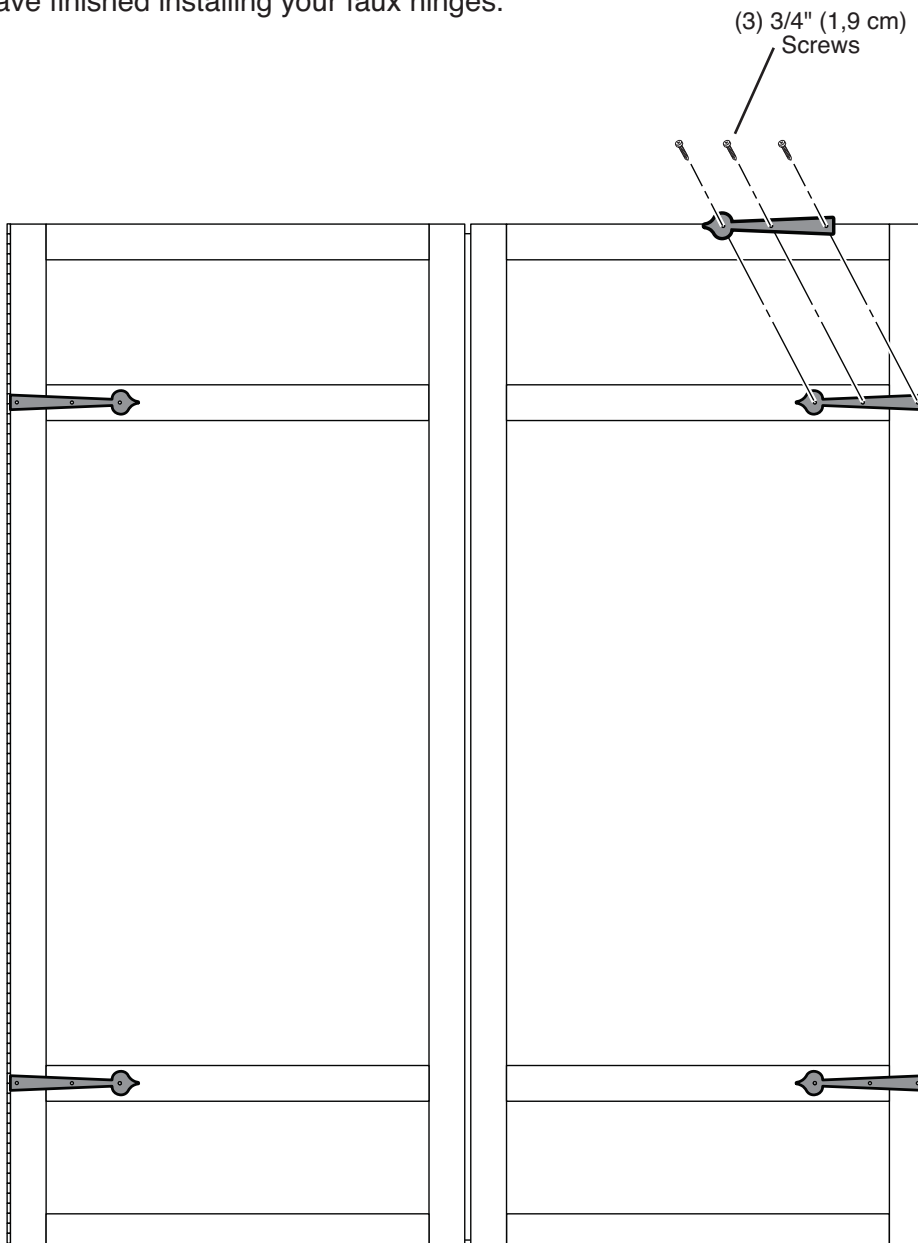
✓ BEGIN

- 1 Center decorative hinge on horizontal door rail and flush against door hinge.
- 2 Install using (3) 3/4" screws.
- 3 Repeat steps 1-2 for the 3 remaining decorative hinges.



FINISH

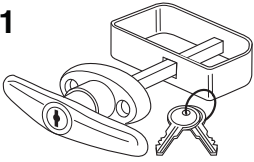
- 4 You have finished installing your faux hinges.




DOOR HANDLE

PARTS REQUIRED:

x1

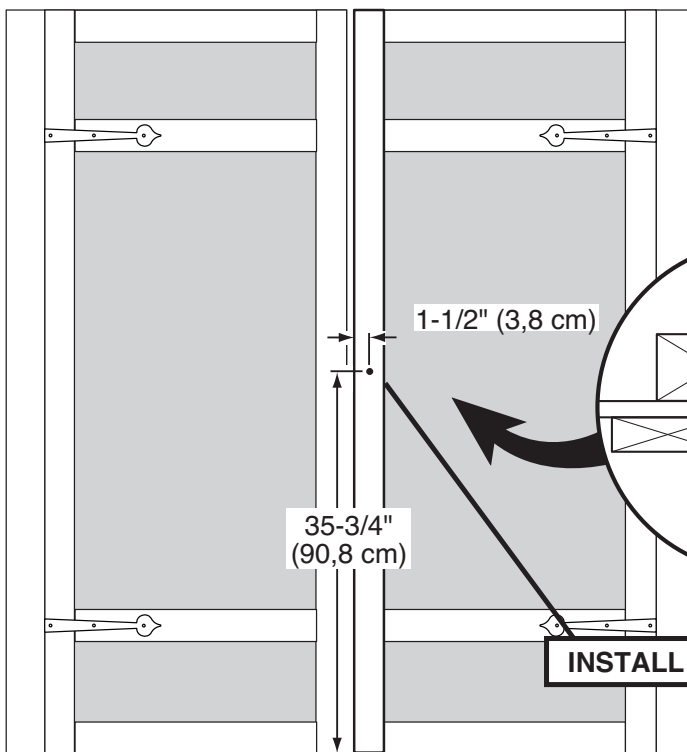



x2  1-1/2" (3,8 cm)




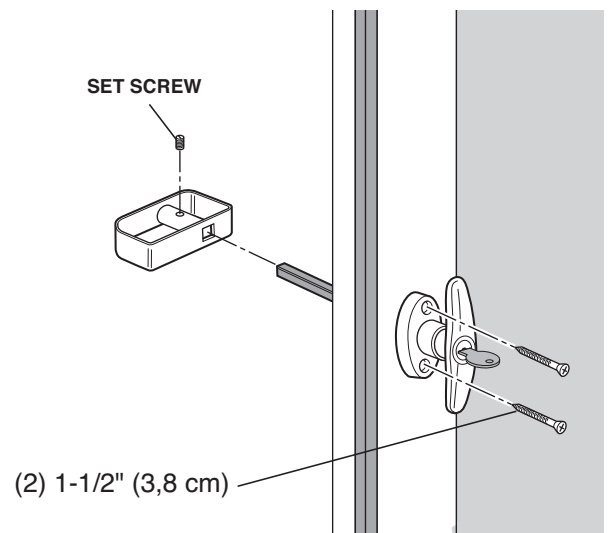
✓ BEGIN

- 1 Measure and mark pre-drill hole as shown.
- 2 Pre-drill mark using 1/4" drill bit.
- 3 Drill through 1/4" hole using 1/2" drill bit.



 We suggest pre-drilling with 1/4" drill. Keep drilled hole square to trim to avoid breaking edge of 2x3".

- 4 Insert T-handle in pre-drilled hole and install using (2) 1-1/2" screws.
 - 5 Place D-handle perpendicular to door onto T-handle and set screw.
-  **FINISH**
- 6 You have finished installing your door handle.




COLLAR TIES

PARTS REQUIRED:

x1 **JF**

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

x6  2" (5,1 cm)



✓ BEGIN

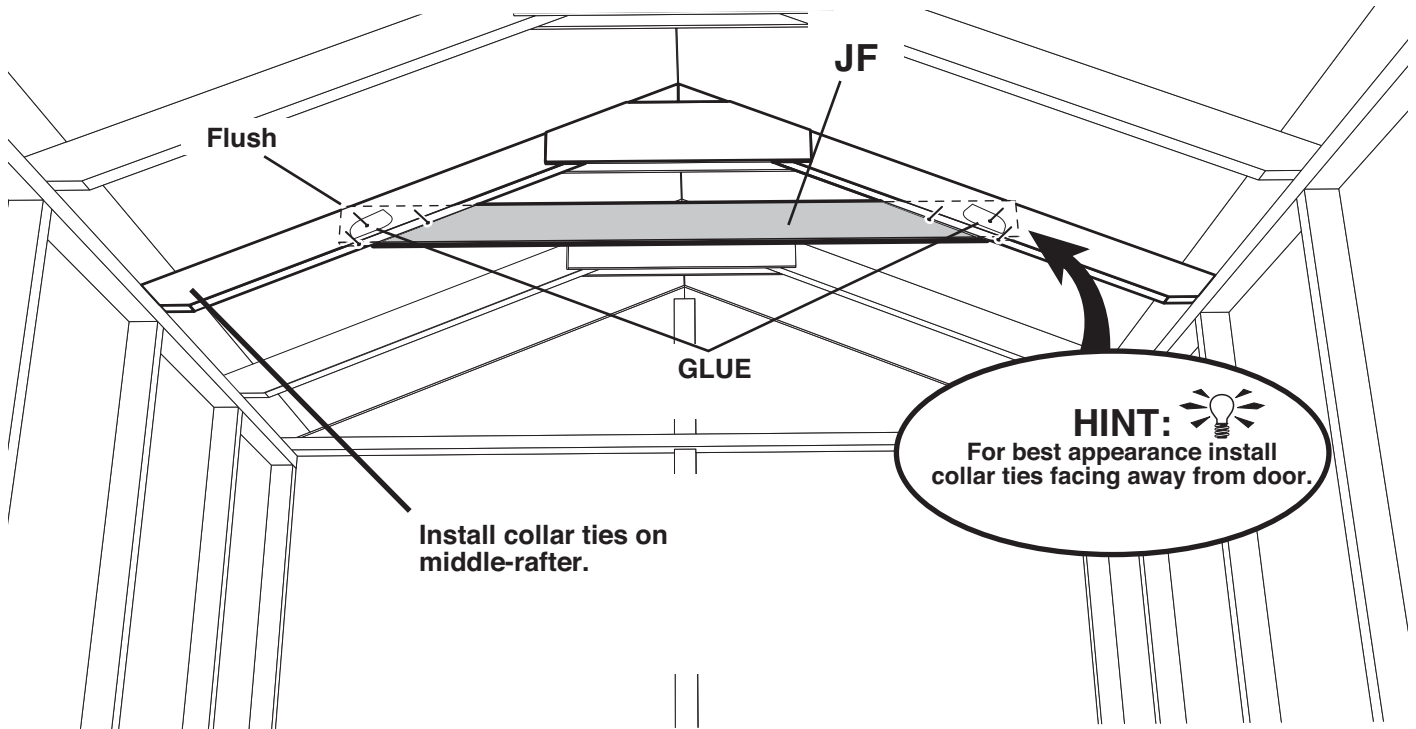
1 Glue and Install collar tie **JF** on middle rafter.

2 Use (3) 2" nails at each side of collar tie. Collar tie should be flush to the roof panels. Ensure the collar tie are level before nailing.



FINISH

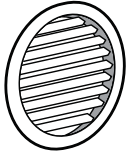
3 You have finished attaching your collar tie.



VENT

PARTS REQUIRED:

x1



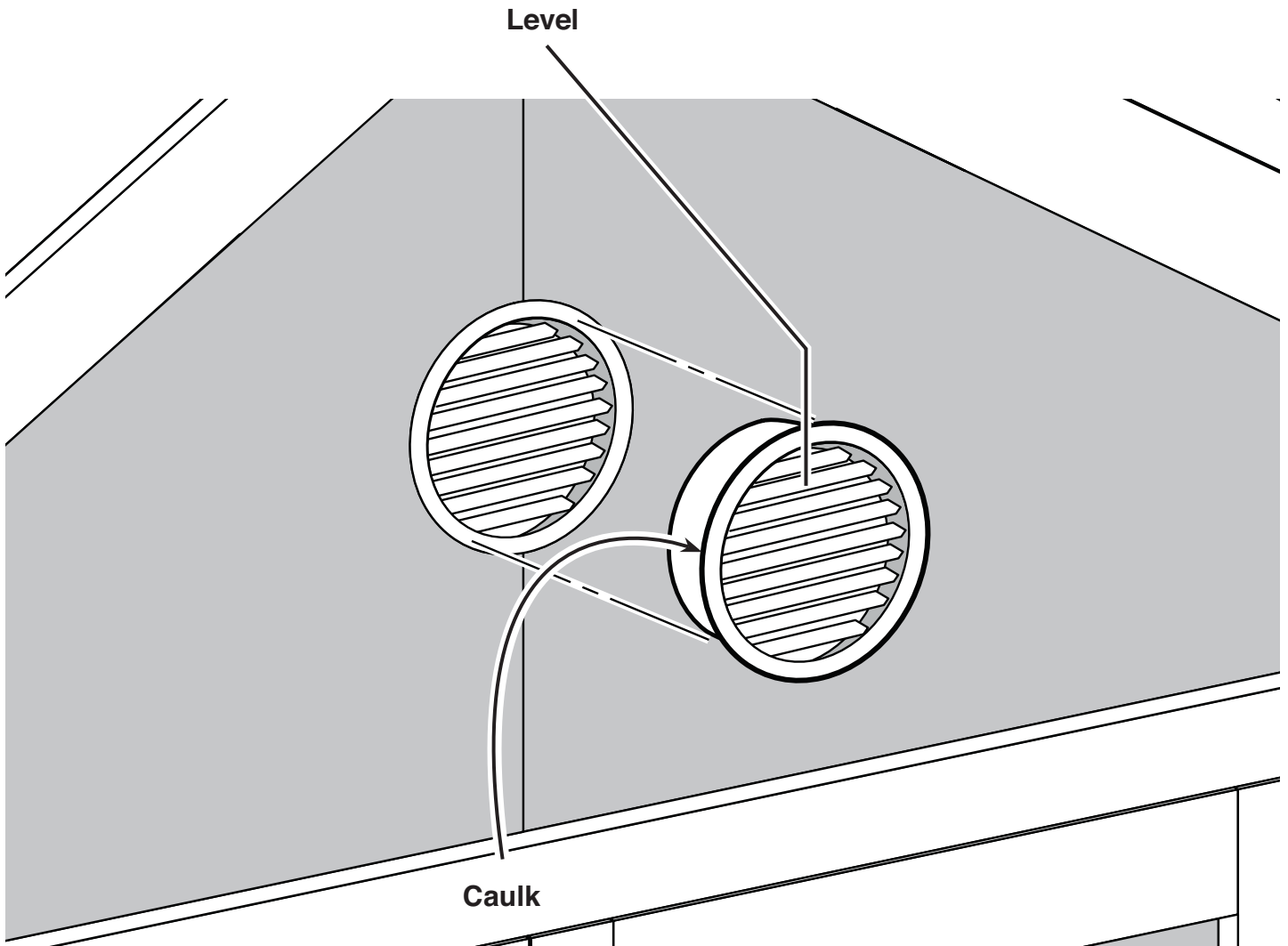
✓ **BEGIN**

1 Caulk behind vent flange. Position vent in opening as shown.

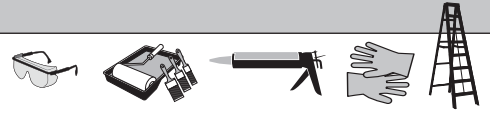


FINISH

2 You have finished installing your vent.



PAINT & CAULK - NOT INCLUDED -



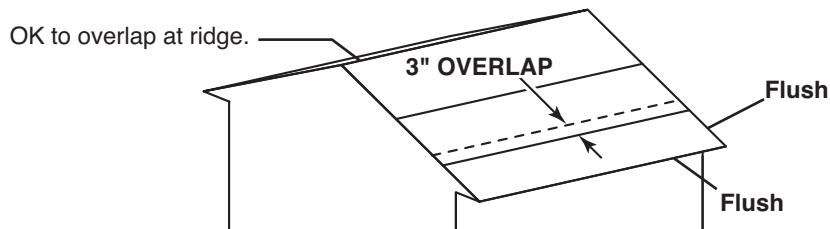
- Use acrylic latex caulk that is paintable. Caulk at all horizontal and vertical seams, between the trim and walls, and all around the door trim.
- Use a high quality exterior acrylic latex paint. When painting your building, there are a few key areas that can be easily overlooked that must be painted: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

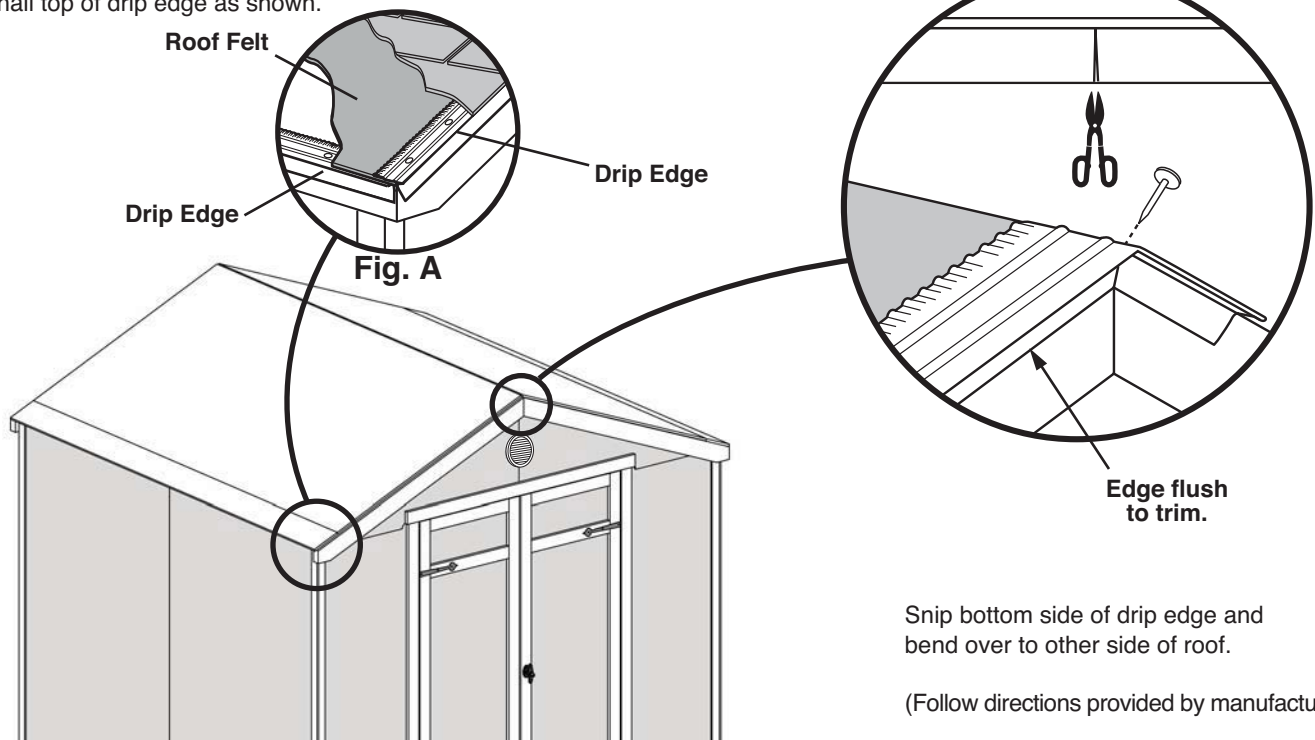
- Install felt flush to all roof edges overlapping 3". Use minimal amount of roofing nails to hold in place.



DRIP EDGE - NOT INCLUDED -



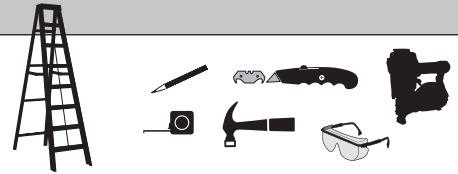
- Install over roof felt on gable side and under roof felt on eave side (**Fig. A**).
- Do not use nails on side of drip edge that hangs over side of building.
- Only nail top of drip edge as shown.



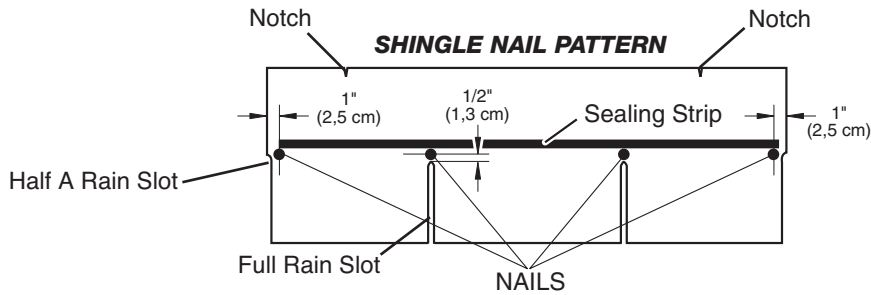
SHINGLES

- NOT INCLUDED -

• Follow directions provided by manufacturer and these instructions.



! Familiarize yourself with a 3-Tab Shingle.

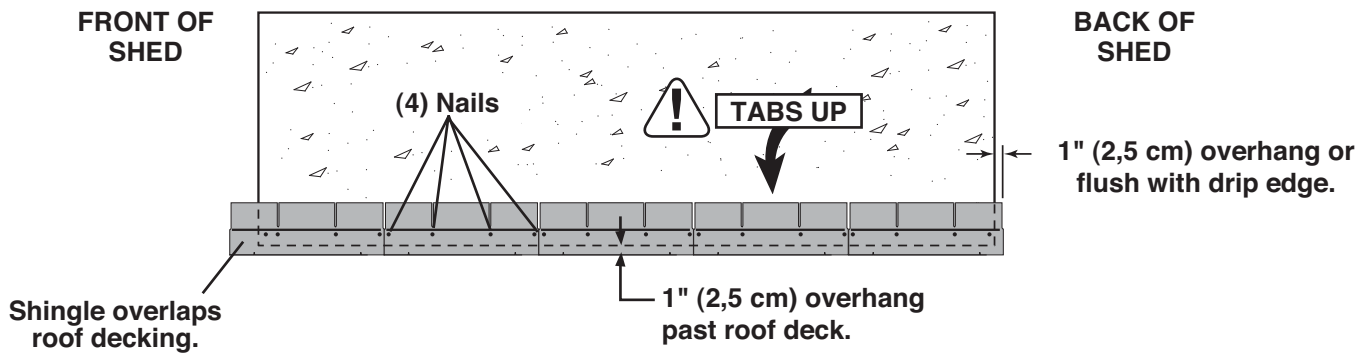


! NEVER DRIVE FASTENERS INTO OR ABOVE SEALING STRIPS.

✓ 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.**

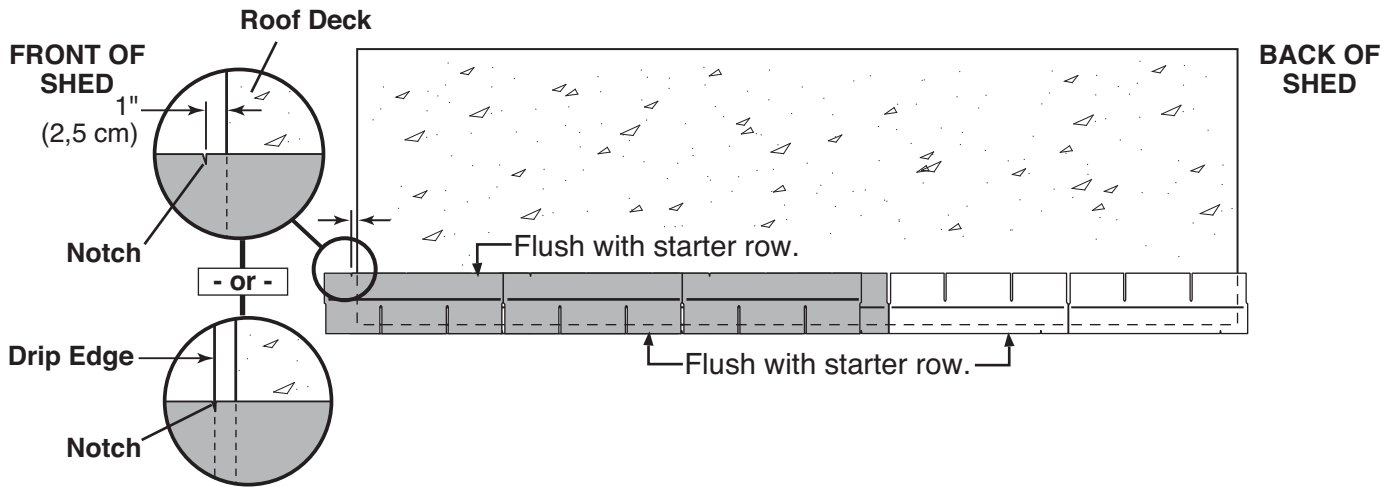
NOTE: If you have installed drip edge install shingles flush to drip edge.



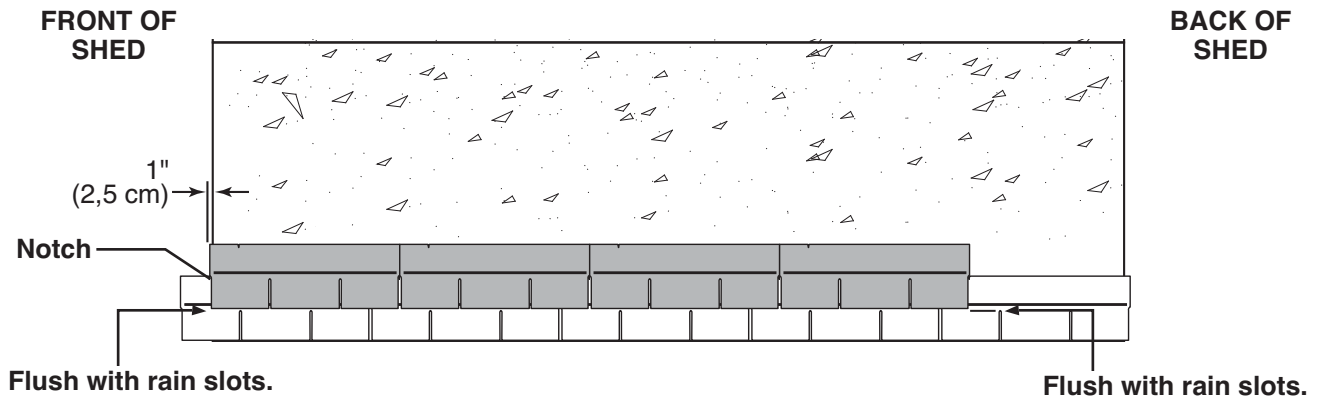
SHINGLES

continued...

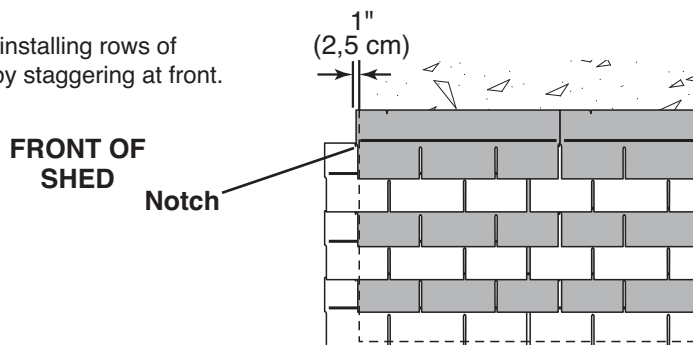
- 2** Beginning at front of shed, install first row of shingles with notch at 1" past roof edge or flush with drip edge.



- 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.



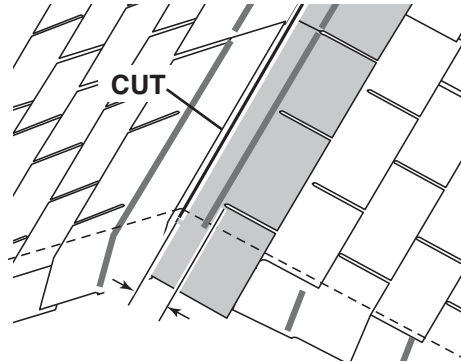
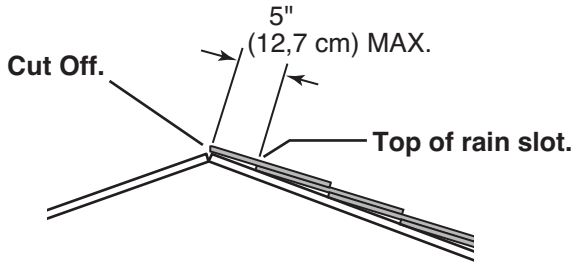
- 4** Continue installing rows of shingles by staggering at front.



SHINGLES

continued...

- 5 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.

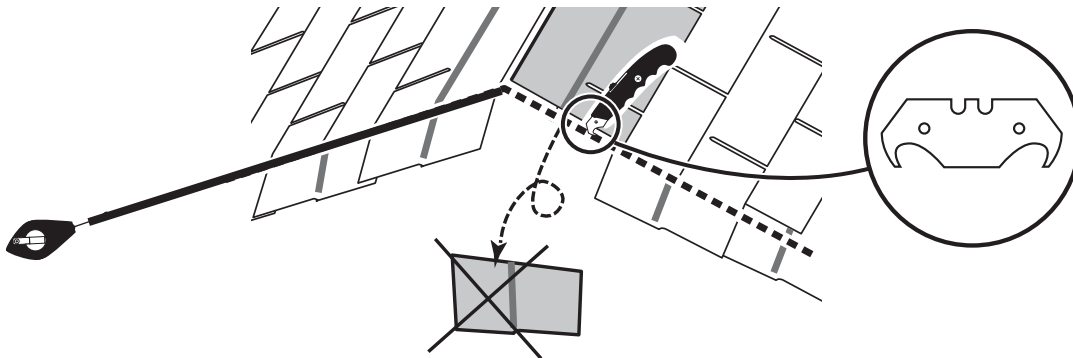


- ! If more than 5" to rain slot you must install another row of shingles.

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

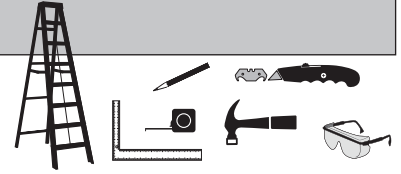
- 7 Once both sides are shingled you need to trim ends. Strike a chalk line 1" from edge.

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



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

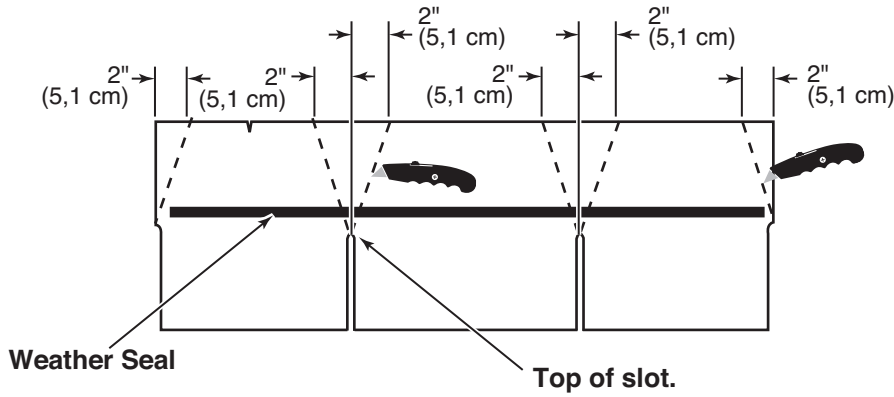
SHINGLES - RIDGE CAP



• 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.

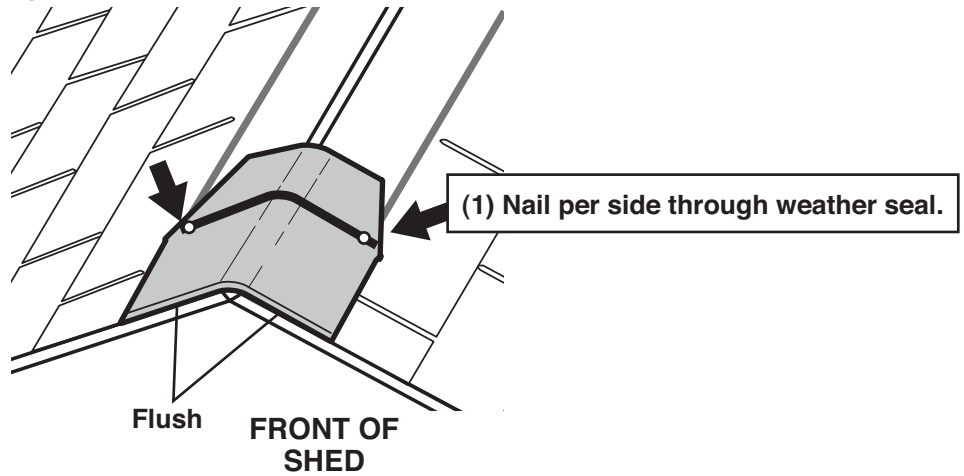


Score shingle, then snap-off angled cut.

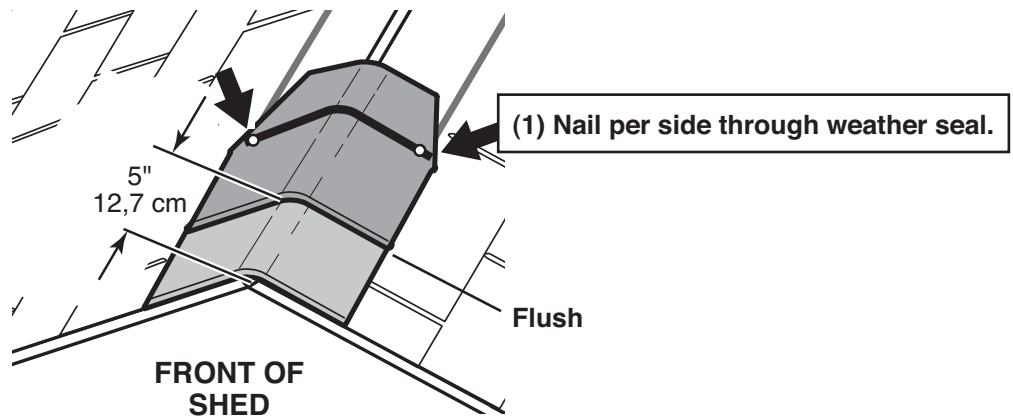
Note: • You will need about 20 - 22 cut pieces.

20 to 22 Pieces

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



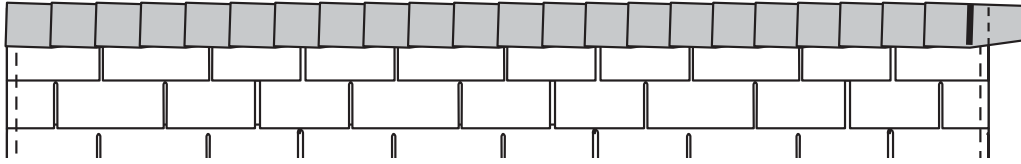
3 Install second ridge cap 5" back, as shown.



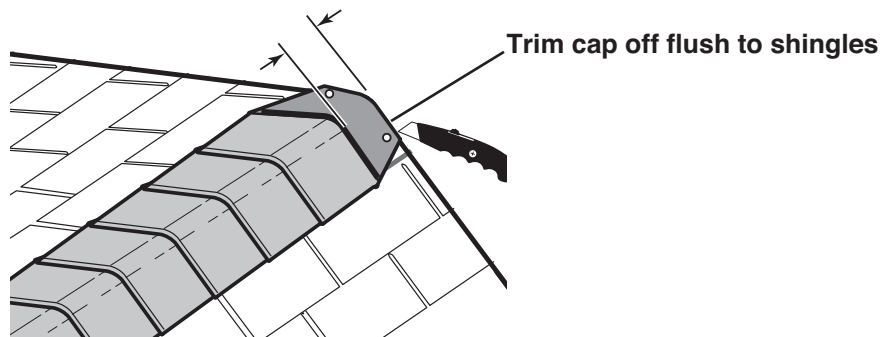
SHINGLES - RIDGE CAP

continued...

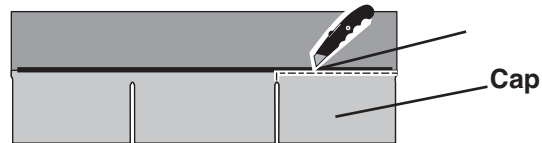
- 4 Continue installing ridge cap to back of roof.



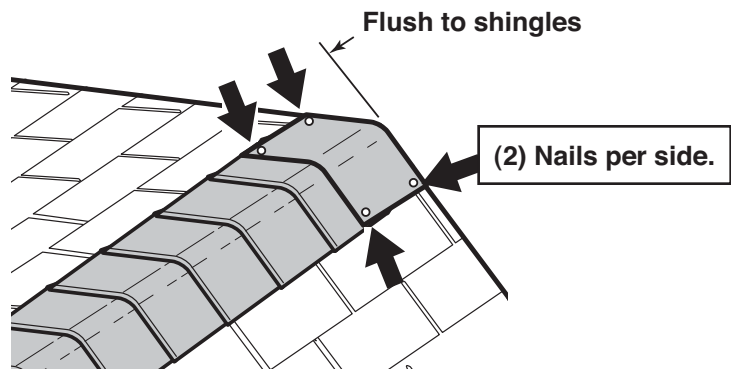
- 5 Make sure there is 4" between the shingle-color and edge of shingles.



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



- 7 Install flush to shingles.



- 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 15 years.
4. Waferboard siding and sheathing is warranted for two years.
5. SmartSide™ siding is warranted for 15 years.
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.