16644

Call Us First!
DO NOT RETURN TO STORE.

For immediate help with assembly or product information

call our toll free number:
1-800-577-9663
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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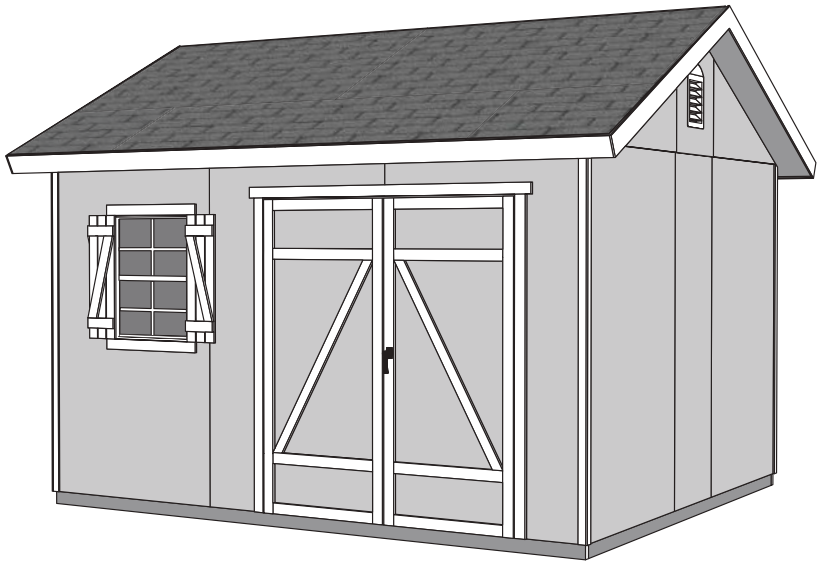
HEARTLAND
A Backyard Products Company

16644	08/27/2015

MANSFIELD GABLE 10' x 12' (305 x 366 cm)

ACTUAL FLOOR SIZE IS 120 x 144" (304,8 x 365,8 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 - 6. Contact our Customer Service Team if any parts are missing or damaged.

- **ADDITIONAL MATERIALS**

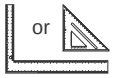
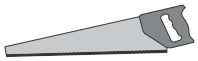
  You will need additional materials to complete your shed. See page 3 for required and optional materials and quantities.

- CUSTOMER SERVICE -

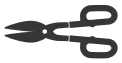
Call: 1-800-577-9663 email: customerservice@backyardproductsllc.com

TOOLS

Required

- ❑ Phillips Screwdriver 
- ❑ Drill / Driver 
  - ❑ 1/8" Drill Bit
  - ❑ 1/4" Drill Bit
  - ❑ 5/16" Drill Bit
  - ❑ 1/2" Drill Bit
  - ❑ #2 Philips Drive Bit
- ❑ Hammer 
- ❑ Level 
- ❑ Pencil 
- ❑ Tape Measure 
- ❑ Square 
  or
- ❑ Utility Knife 
  - ❑ Shingle Blades 
- ❑ Caulk Gun 
- ❑ Paint Tools 
- ❑ Safety Glasses 
- ❑ Hand Saw 
- ❑ Ladder 

Optional

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

Safety! Always use approved safety glasses during assembly.

HELPFUL REMINDER SYMBOLS

Look for these symbols for helpful reminders throughout this manual.

 = Assistance Required; two or more people.

 = Ensure squareness.

 = Important required step or operation.

 = Helpful assembly hint.

 = Mark part with pencil.

 = Beginning of steps for assembly or installation.

 = You have finished the assembly or installation.

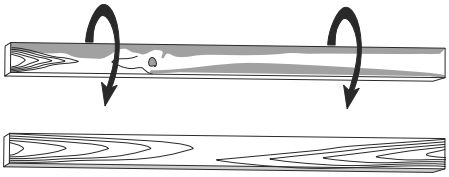
 = Level

ORIENT LUMBER AND TRIM FOR BEST APPEARANCE

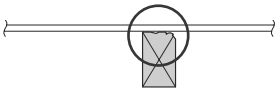
Framing lumber is graded for structural strength and not appearance. Exterior trim is graded for one good side.

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**.)

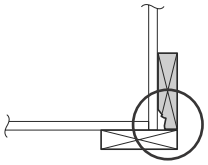
A



B



C



ADDITIONAL MATERIALS

FOUNDATION OR FLOOR MATERIALS

- This shed does not include any floor or 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.

WOOD FLOOR FRAME

MATERIAL REQUIRED: ⚠ Use only wood treated for ground contact and fasteners approved for use with treated wood.

☐ **x12** TREATED — 2 x 4 x 120" (5,1 x 10,2 x 304,8 cm)

☐ **x2** TREATED — 2 x 4 x 144" (5,1 x 10,2 x 365,8 cm)

☐ **x44** **Hot Dipped Galvanized Box-Type Nails.** 3" (7,6 cm)

FLOOR PANELS 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)

☐ **x3** 5/8" x 48" x96" (1,6 x 121,9 x 243,8 cm)

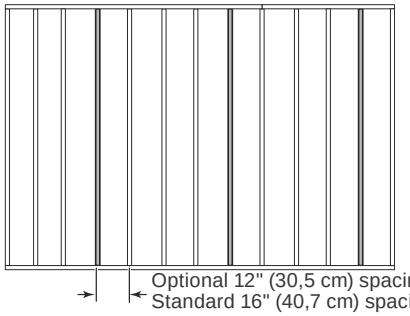
☐ **x1** 2" (5,1 cm) — **1 lb. of 2" (5,1 cm) Hot Dipped Galvanized Box-Type Nails.**

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):

☐ **x3** 2 x 4 x 10' (5 x 10 x 304,8 cm) Treated Lumber Cut to (3) 2 x 4 x 117" (5 x 10 x 297,2 cm)

☐ **x12** ea. 3" (7,6 cm) Hot Dipped Galvanized Nails



COMPLETING YOUR SHED

You will need these additional materials:

☐ **3-TAB SHINGLES ..... 7 Bundles**

☐ **PAINT FOR SIDING ..... 2 Gallons**
Use 100% acrylic latex exterior paint. (2) coats recommended.

☐ **CAULK ..... 3 Tubes**
Use acrylic latex exterior caulk that is paintable.

☐ **1" GALVANIZED ROOFING NAILS.... 3 Lbs**
For shingles.

☐ **PAINT FOR TRIM .....1 Quart**
Use 100% acrylic latex exterior paint.

☐ **WOOD GLUE ..... Exterior Rated**

OPTIONAL MATERIALS

☐ **DRIP EDGE ..... 60 Feet**

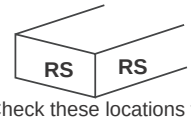
☐ **#15 ROOFING FELT**
To cover 148 Sq. Ft. of roof area.

☐ **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 letters are stamped on some parts.



Check these locations for part stamp.

Treated lumber is stamped:

TREATED

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)

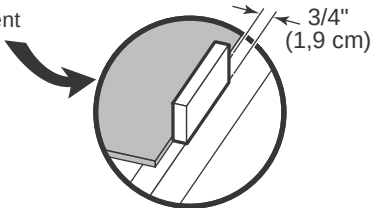
PARTS LIST

INVENTORY YOUR PARTS before you begin.

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

WALLS

- ☐ x1 GAA 1 x 3 x 5" (2,5 x 7,6 x 12,7 cm) Gauge Block for 3/4" (1,9 cm) measurement



- ☐ x3 CPA 2 x 4 x 8-1/2" (5,1 x 10,2 x 21,6 cm)
- ☐ x1 AJ 2 x 4 x 12-1/2" (5,1 x 10,2 x 31,8 cm)
- ☐ x2 AO 2 x 4 x 22-1/2" (5,1 x 10,2 x 57,1 cm)
- ☐ x4 RL 2 x 4 x 24" (5,1 x 10,2 x 61 cm)
- ☐ x4 STL 2 x 4 x 44-1/2" (5,1 x 10,2 x 113 cm)
- ☐ x4 SP 2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)
- ☐ x2 AM 2 x 4 x 67" (5,1 x 10,3 x 170,2 cm)
- ☐ x6 YFA 2 x 4 x 68-1/2" (5,1 x 10,2 x 174 cm)
- ☐ x26 TK 2 x 4 x 80" (5,1 x 10,2 x 203,2 cm)
- ☐ x4 TP 2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

RAFTERS

- ☐ x10 6 x 24" (15,2 x 61 cm) **OSB OR WOOD GRAIN** ⚠
- ☐ x16 CLA 2 x 4 x 4-7/8" (5,1 x 10,2 x 12,4 cm)
- ☐ x4 PVA 2 x 4 x 5-7/8" (5,1 x 10,2 x 14,9 cm)
- ☐ x1 HJ 1 x 3 x 72" (1,6 x 7,6 x 182,9 cm)
- ☐ x8 ECA 2 x 4 x 75-1/4" (5,1 x 10,2 x 191,1 cm)
- ☐ x10 ECN 2 x 4 x 75-1/4" (5,1 x 10,2 x 191,1 cm)

TRIM

- ☐ x4 3/8 x 1-3/4 x 81-7/8" (1 x 4,4 x 208 cm)
- ☐ x4 3/8 x 1-3/4 x 82-1/2" (1 x 4,4 x 209,6 cm)
- ☐ x1 ZJ 19/32 x 3 x 72" (1,5 x 7,6 x 183 cm)
- ☐ x4 3/8 x 7-7/8 x 73-5/16" (1 x 20 x 186,2 cm)
- ☐ x2 3/8 x 4-3/4 x 75-7/8" (1 x 12,1 x 197,2 cm)
- ☐ x2 3/8 x 4-3/4 x 75-7/8" (1 x 12,1 x 197,2 cm)
- ☐ x4 3/8 x 5-7/8 x 72-3/4" (1 x 14,9 x 184,8 cm)
- ☐ x4 3/8 x 4-3/4 x 80-5/8" (1 x 12,1 x 204,8 cm)

DOOR

- ☐ x1 GTL 19/32 x 3 x 50-1/4" (1,5 x 7,6 x 127,6 cm)
- ☐ x1 GTR 19/32 x 3 x 50-1/4" (1,5 x 7,6 x 127,6 cm)
- ☐ x4 AH 19/32 x 3 x 26-5/8" (1,5 x 7,6 x 67,6 cm)
- ☐ x2 OO 1-1/2 x 2-1/2 x 69" (3,8 x 6,3 x 175,3 cm)

PARTS LIST continued...

SHELF - LOFT

- ☐ x6 AE — 2 x 3 x10-1/8" (5,1 x 7,6 x 25,7 cm)
- ☐ x3 RL — 2 x 4 x 24" (5,1 x 10,2 x 61 cm)
- ☐ x1 JS — 1 x 4 x 23-7/8" (2,5 x 10,2 x 60,6 cm)
- ☐ x1 KP — 1 x 4 x 96" (2,5 x 10,2 x 243,8 cm)
- ☐ x3 TP — 2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

PANEL PARTS LIST

ROOF PANELS

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

- ☐ x4 — 7/16 x 27-1/4 x 32-5/8" (1,1 x 69,2 x 82,9 cm)

NOTE: Panel parts are not stamped.

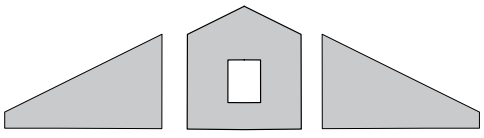
- ☐ x2 — 7/16 x 27-1/4 x 96" (1,1 x 69,2 x 243,8 cm)
- ☐ x4 — 7/16 x 48 x 80" (1,1 x 121,9 x 203,2 cm)

SHELF - LOFT PANELS

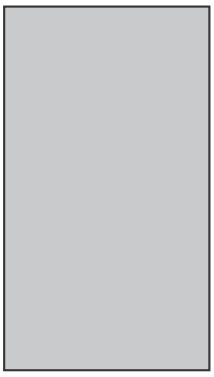
- ☐ x6 — 3/8 x 8 x 12-1/2" (1 x 20,3 x 31,8 cm)
- ☐ x1 — 7/16 x 11-7/8 x 23-7/8" (1,1 x 30,2 x 60,6 cm)
- ☐ x1 — 7/16 x 11-7/8 x 96" (1,1 x 30,2 x 243,8 cm)
- ☐ x1 — 23-7/8" x 96" (112,4 x 60,6 cm)

WALL PANEL & DOORS PARTS LIST

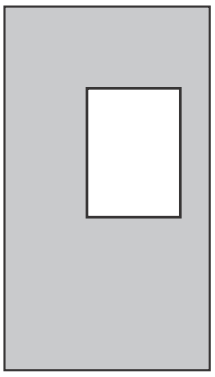
☐ x2 — 3/8 x 23-7/8 x 84" (1 x 60,6 x 213,4 cm)



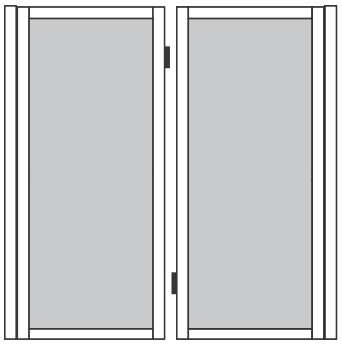
☐ x2 ☐ x2 ☐ x2



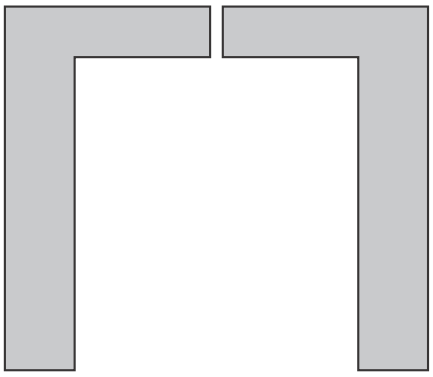
☐ x7 — 3/8 x 48 x 84" (1 x 121,9 x 213,4 cm)



☐ x1 — 3/8 x 48 x 84" (1 x 121,9 x 213,4 cm)



☐ x1 LEFT DOOR ☐ x1 RIGHT DOOR



☐ x1 — 3/8 x 48 x 84" (1 x 121,9 x 213,4 cm)

☐ x1 — 3/8 x 48 x 84" (1 x 121,9 x 213,4 cm)

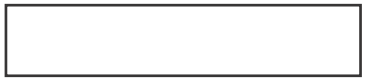
WORK BENCH PARTS

☐ x6 LR — 2 x 3 x19" (5,1 x 7,6 x 48,3 cm)

☐ x1 JS — 1 x 4 x 23-7/8" (2,5 x 10,2 x 60,6 cm)

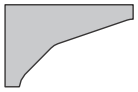
☐ x1 KP — 1 x 4 x 96" (2,5 x 10,2 x 243,8 cm)

☐ x1



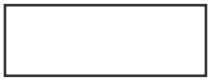
7/16 x 23-7/8" x 92-1/2" (1,1 x 60,6 x 235 cm)

☐ x6



3/8 x 14-1/4 x 22-1/4" (1 x 36,2 x 56,5 cm)

☐ x1



7/16 x 23-7/8" x 20-1/2" (1,1 x 60,6 x 52,1 cm)

SHUTTERS

☐ x4 KV — 19/32 x 3 x 8" (1,5 x 7,6 x 20 cm)

☐ x1 BWR — 19/32 x 3 x 21" (1,5 x 7,6 x 53,3 cm)

☐ x2 AH — 19/32 x 3 x 26-5/8" (1,5 x 7,6 x 67,6 cm)

☐ x6 AZ — 19/32 x 3 x 30-1/8" (1,5 x 7,6 x 76,5 cm)

☐ x1 BWL — 19/32 x 3 x 21" (1,5 x 7,6 x 53,3 cm)

FASTENERS & HARDWARE

NAIL BOXES (not included)

☐ x4 BOXES — 3" (7,6 cm)

☐ x7 BOXES — 2" (5,1 cm)

FASTENER/HARDWARE BAG

☐ x100 — 1-1/2" (3,8 cm)

☐ x310 — 2" (5,1 cm)

☐ x140 ⊕ — 3" (7,6 cm)

☐ x16 ⊕ — 2" (5,0 cm)

☐ x55 ⊕ — 1-5/8" (4,1 cm)

☐ x132 ⊕ — 3/4" (1,9 cm)

☐ x20 ⊕ — 1" (2,5 cm)

☐ x8 ⊕ — 1" (2,5 cm)

(NOT ACTUAL SIZE)

☐ x2 — 3/8" x5-1/2" (1 cm x 14 cm) **Hex Bolt**

☐ x4 — 3/8" (1 cm) **Flat Washer**

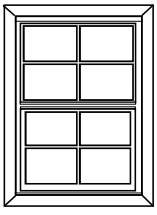
☐ x2 — 3/8" (1 cm) **Lock Nut**

VENT/ DOOR HARDWARE/ WINDOW

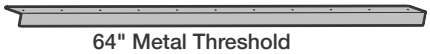
☐ x2

Window
22-1/2" x 29-3/4"
(57,1 x 75,6 cm)

☐ x1



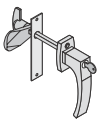
☐ x1



64" Metal Threshold

3/4" (1,9 cm) x11
Bagged separately / special coating

Handle (locking) with Screws

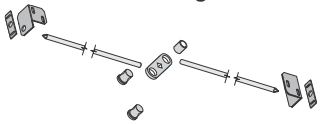


1-1/4" x2 ⊕

1-1/4" x2 ⊕

☐ x1

3-Point Door Locking Mechanism



3/4" Tech Screw with drill point ⊕

x4

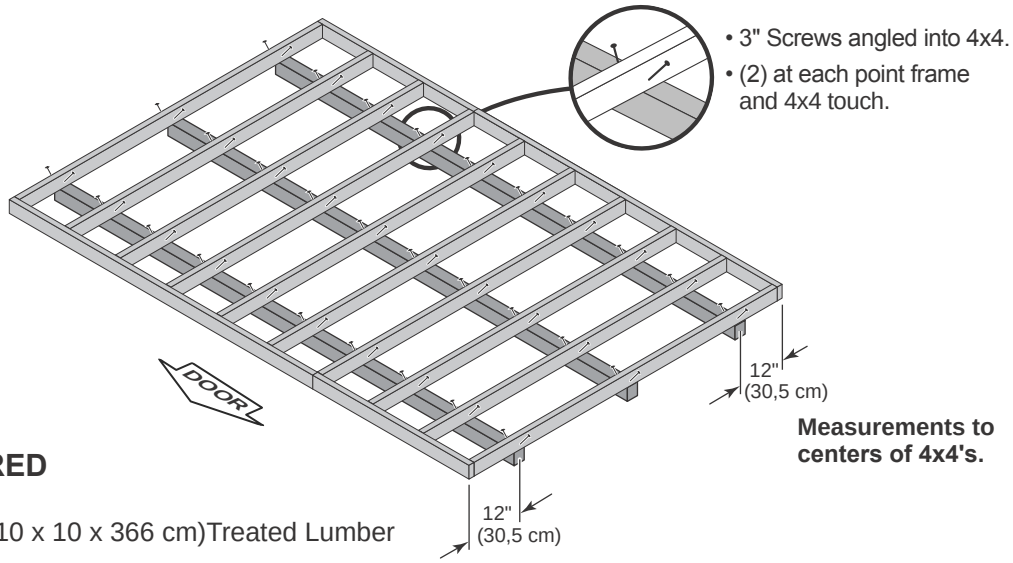
1-1/4" x8 ⊕

☐ x1

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



Measurements to centers of 4x4's.

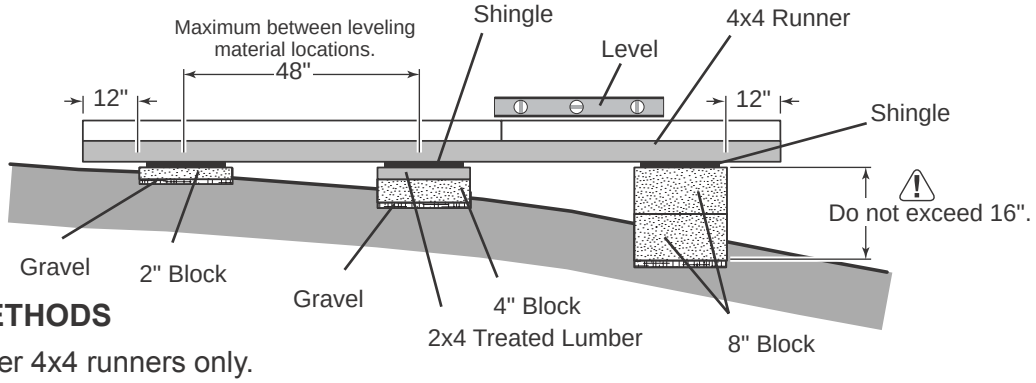
MATERIAL REQUIRED

☐ **x3** 4" x 4" x 12' (10 x 10 x 366 cm)Treated Lumber

☐ **Fasteners for Frame to 4"x 4".**
(3" Screws shown as one option.) Minimum (60) 3" screws / exterior grade.

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

⚠ **Always support frame seams.**



LEVELING METHODS

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

LEVELING MATERIALS

☐ Gravel

☐ Solid Masonry Blocks in 1", 2", 4" or 8" thickness

☐ 2x4 Treated Lumber

☐ Asphalt Shingles

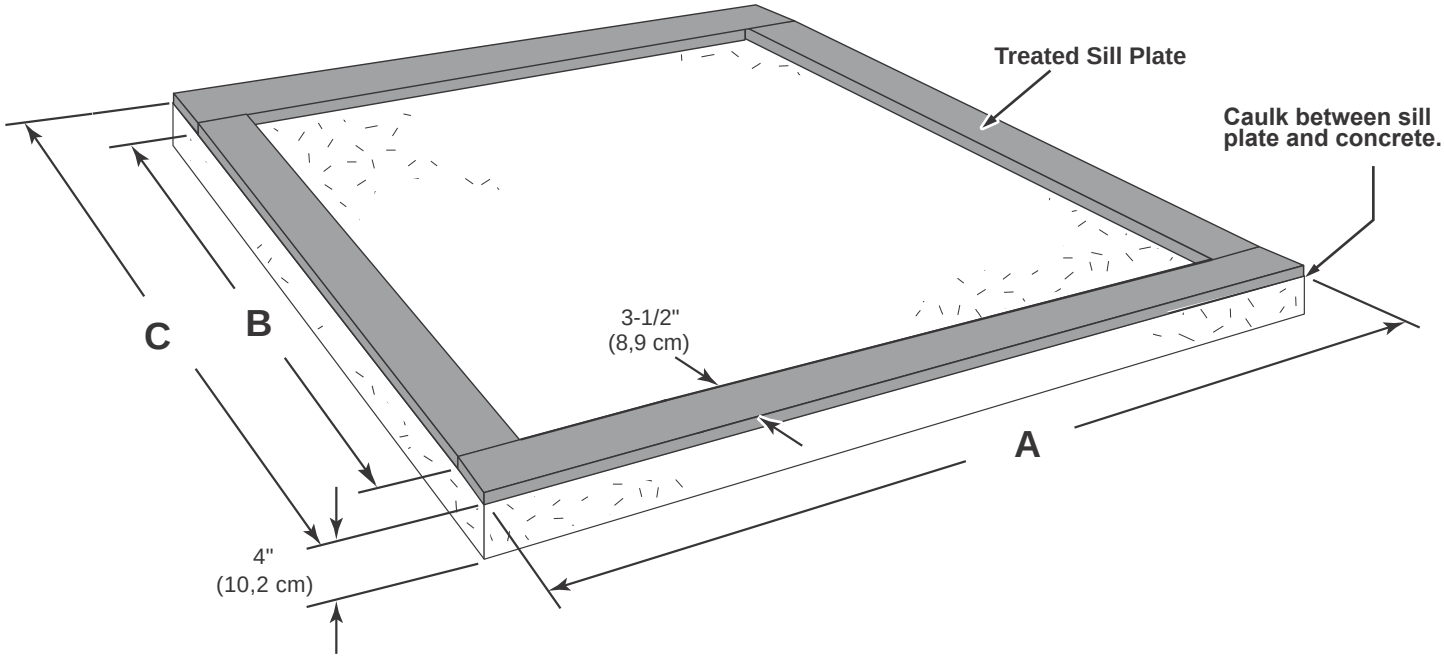
⚠ **Leveling higher than 16" not recommended.**

CONCRETE

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

CONCRETE FOUNDATION

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



Building Size	Actual Size	A	B	C
10'x 12' (243,8 x 365,8 cm)	120" x 144" (304,8 x 365,8 cm)	120" (304,8 cm)	137" (348 cm)	144" (365,8 cm)

Requires:

- ☐ **x2** 2" x 4" x 11' (5,1 x 10,2 x 424 cm) ⚠ **MUST be treated lumber.**
- ☐ **x2** 2" x 4" x 10' (5,1 x 10,2 x 304,8 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.

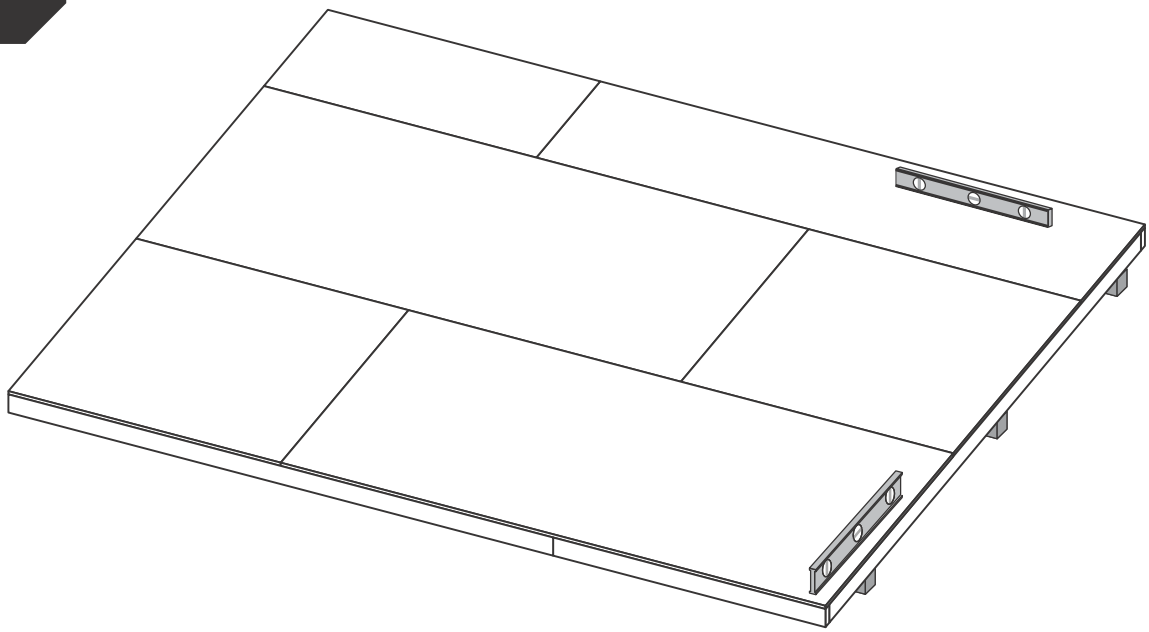
NOTE:

TO ASSEMBLE YOUR FLOOR - PLEASE REFER TO INSTRUCTIONS PROVIDED WITH YOUR FLOOR KIT.

IMPORTANT!

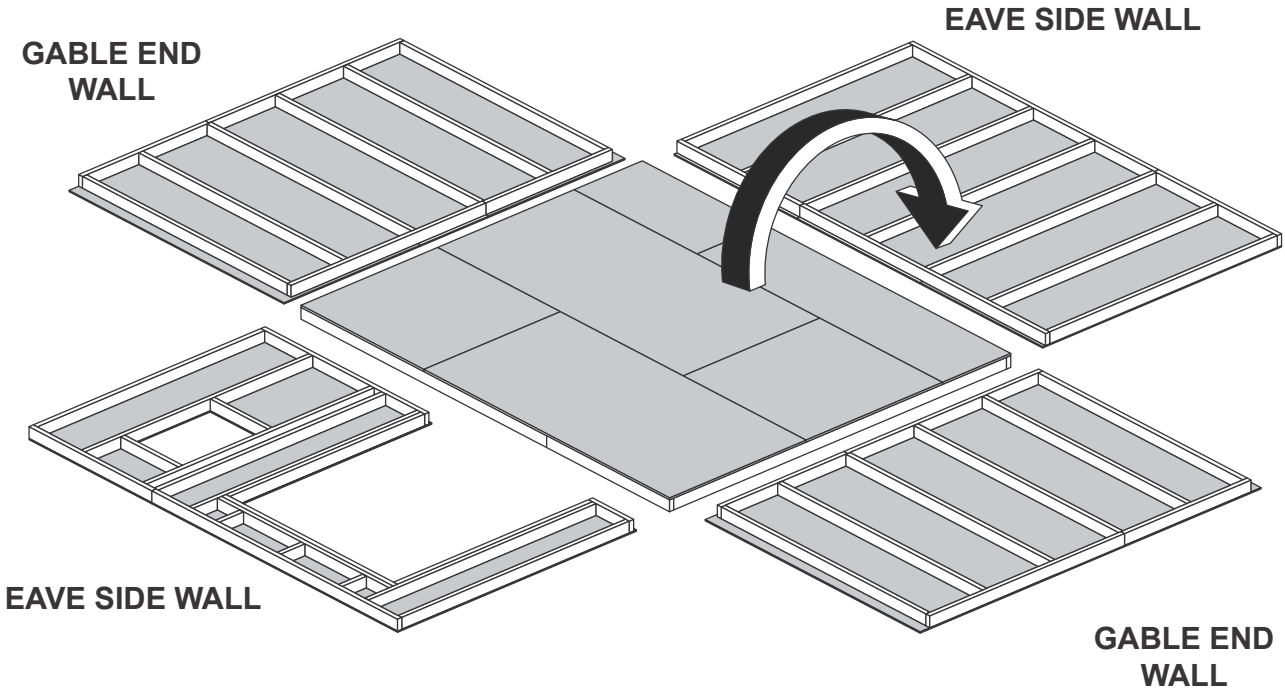
STOP!

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



HINT:

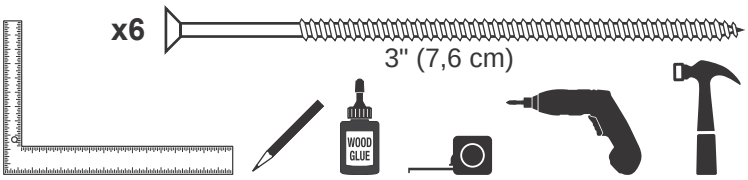
- **The floor should be used as a stable work surface for wall construction.**
- **Organize your assembly procedure during the build process to avoid over-handling of the walls.**



RAFTER ASSEMBLY

PARTS REQUIRED:

x3 **PVA** 2 x 4 x 5-7/8" (5,1 x 10,2 x 14,9 cm)



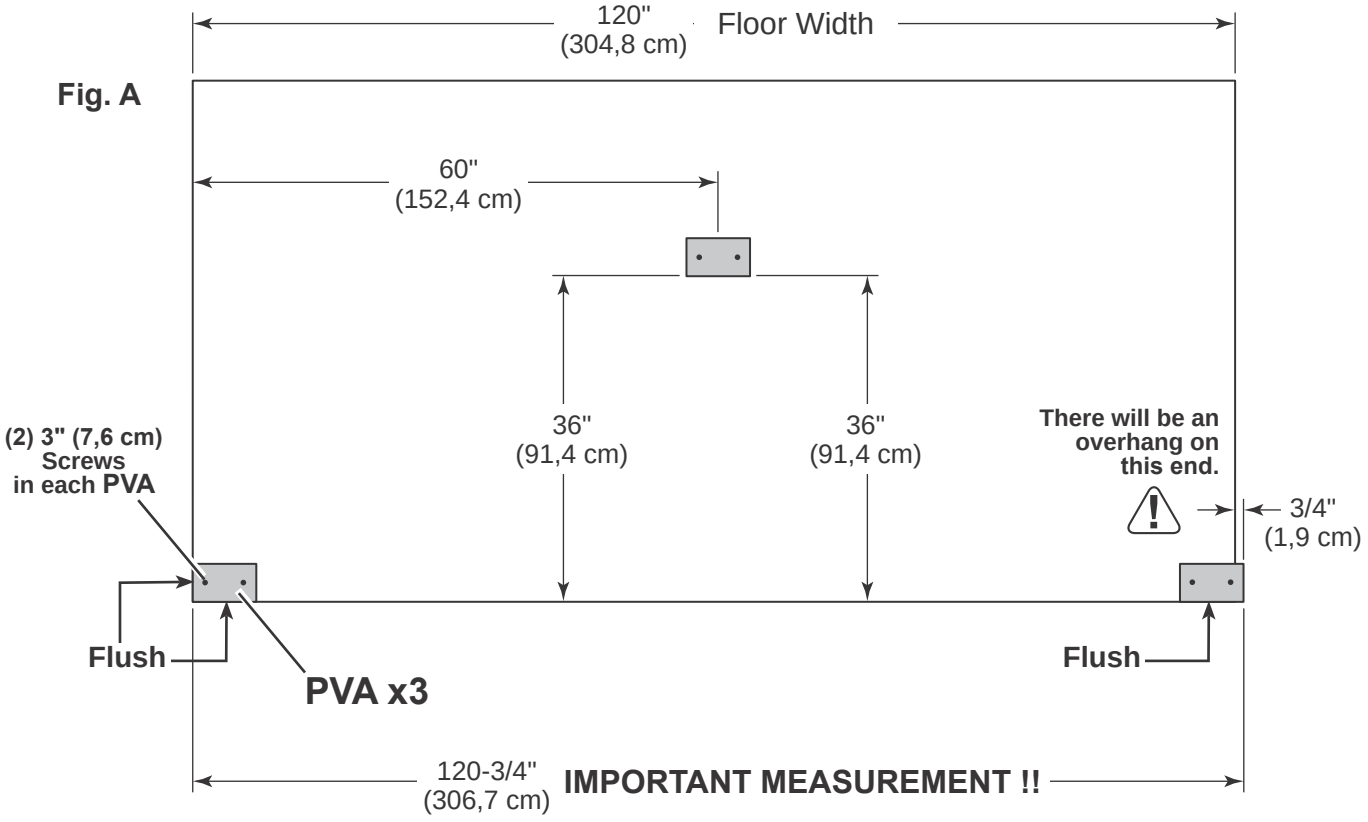
It is very important to assemble your rafters using the following method for an even and flat roof.
You will build a rafter jig using the floor and three **PVA** parts as shown.

BEGIN

1 Secure one **PVA** flush to the floor deck using two 3" screws.
Measure over 120-3/4" and install a second **PVA** flush to the floor deck. **PVA** will overhang the floor.
Secure using two 3" screws.

2 Measure over 60" and up 36" from the floor edges and secure the third **PVA** using two 3" screws.
Check this **PVA** is 36" at both ends for squareness.

Fig. A



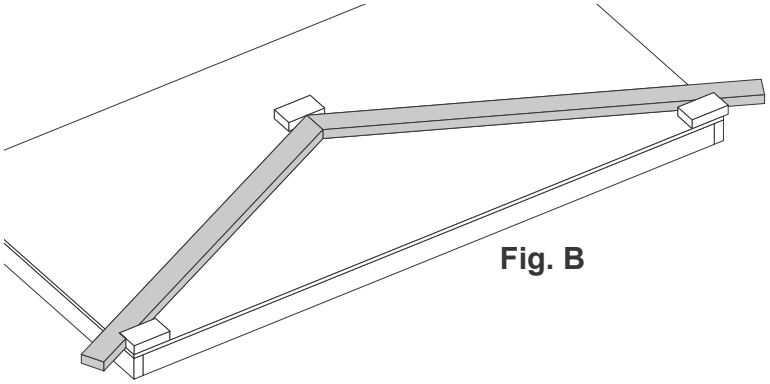


Fig. B

FINISH

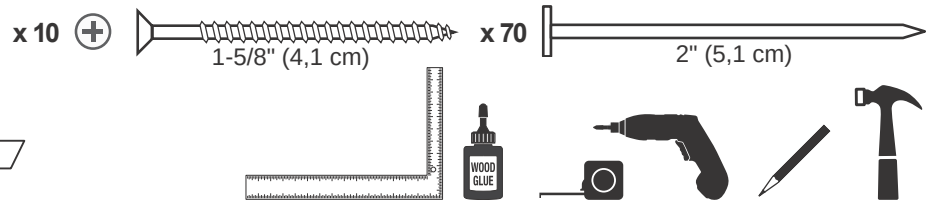
3 You have finished rafter jig. Proceed to assemble your rafters.

RAFTER ASSEMBLY

PARTS REQUIRED:

x10 **OSB OR WOOD GRAIN**
6 x 24" (15,2 x 61 cm)

x10 **ECN**
2 x 4 x 75-1/4" (5,1 x 10,2 x 191,1 cm)



BEGIN

1 Place two rafters **ECN** into the jig as shown.

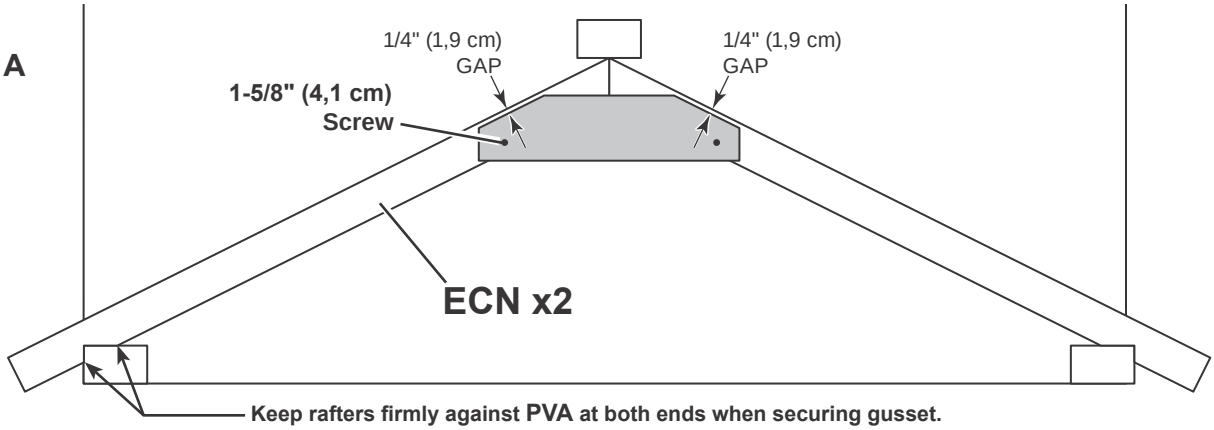
2 Keep **ECN** firm against outside **PVA**'s as shown **(Fig.A)** and push rafters tight to the middle **PVA**. Rafters should touch at tips **(Fig. A)**.

Apply glue to rafters where gusset will attach **(Fig. B)**.

Place gusset onto **ECN** holding a 1/4" gap from edge **(Fig. C)** and keeping rafters firm as instructed. Secure gusset using one 1-5/8" screw into each rafter. **HINT:** These screws will help hold the measurements when you nail on gussets.

Use ten 2" nails to finish securing the gusset to the rafters to pattern shown in **Fig. C**.

Fig. A

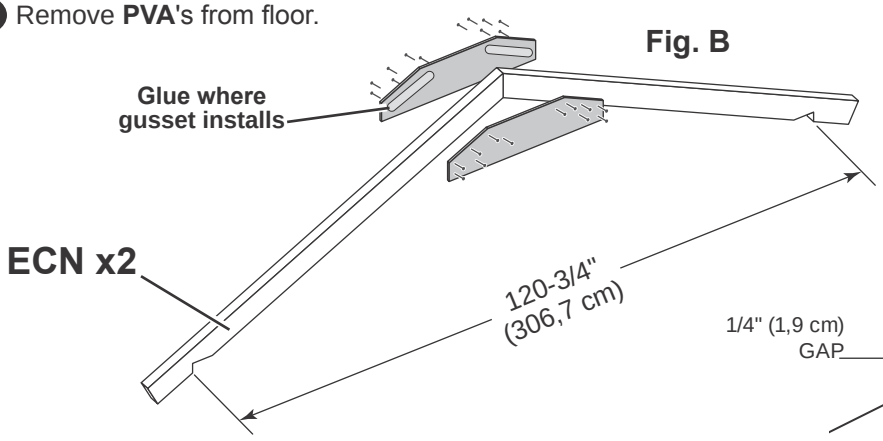


3 Flip rafters over and attach a second gusset using glue and (12) 2" nails. No need to use jig for this gusset.

4 Repeat steps 1 through 3 to assemble four more rafters.

5 Remove **PVA**'s from floor.

Fig. B



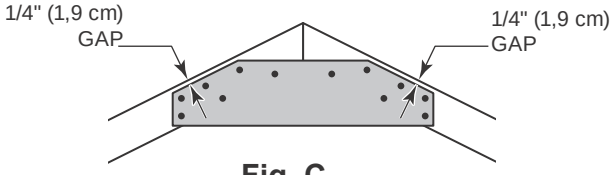


Fig. C

FINISH

6 You have finished assembling your rafters.

FRONT WALL

PARTS REQUIRED:

x48 — 3" (7,6 cm)

x2 AO — 2 x 4 x 22-1/2" (5,1 x 10,2 x 57,1 cm)

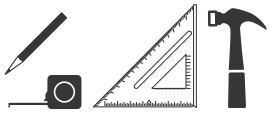
x2 SP — 2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)

x3 CPA — 2 x 4 x 8-1/2" (5,1 x 10,2 x 21,6 cm)

x1 AM — 2 x 4 x 67" (5,1 x 10,2 x 170,2 cm)

x6 TK — 2 x 4 x 80" (5,1 x 10,2 x 203,2 cm)

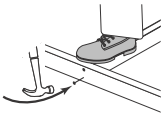
x2 TP — 2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

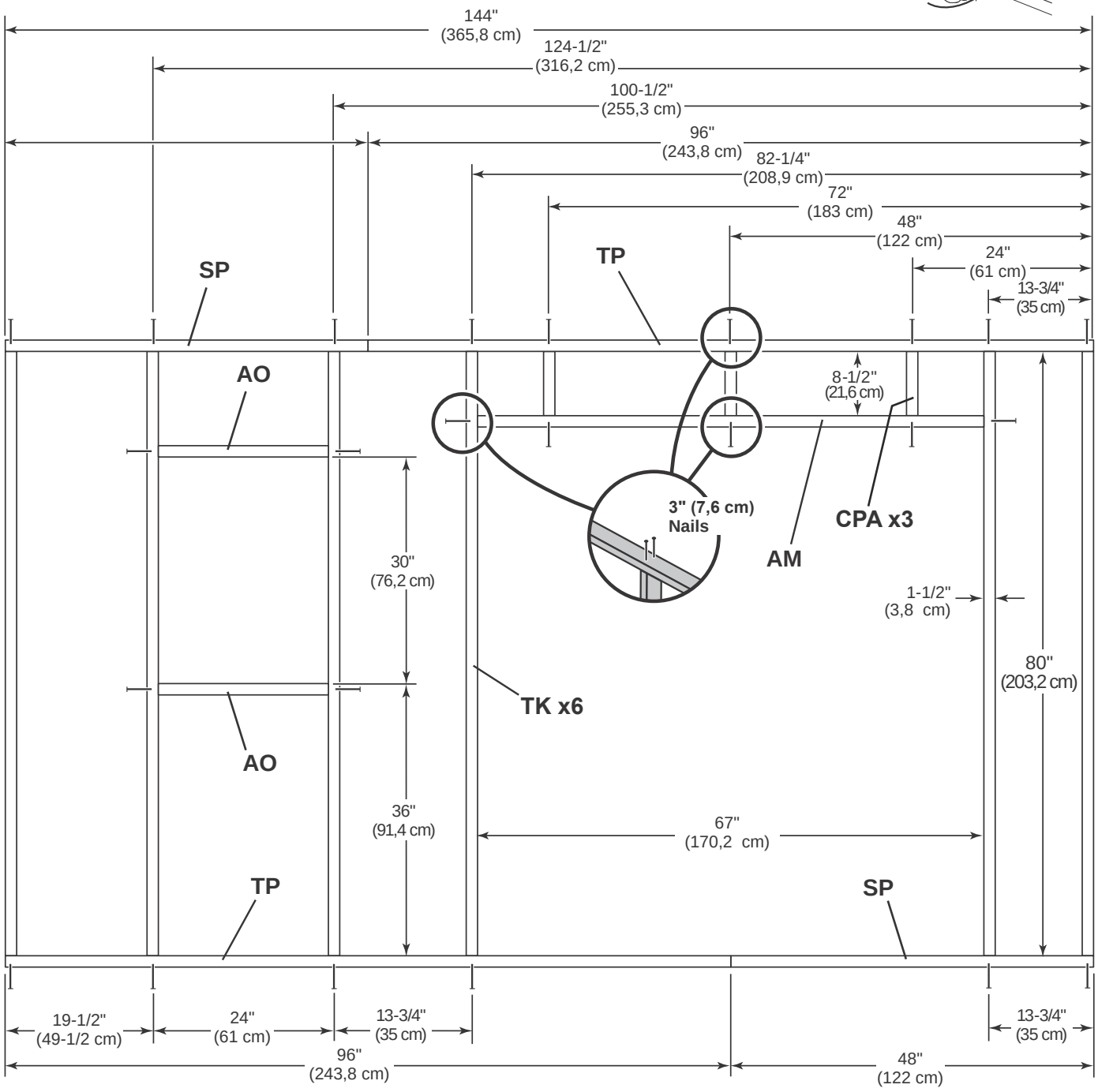


BEGIN

1. Orient parts on edge on floor. Measure and mark.
2. Use two 3" nails at each mark.

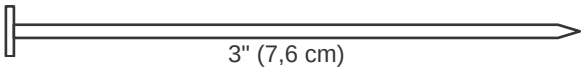
HINT:
For easier nailing stand on frame.





FRONT WALL

PARTS REQUIRED:

x40 

x1 AJ 2 x 4 x 12-1/2" (5,1 x 10,2 x 31,8 cm)

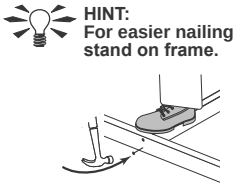
x1 AM 2 x 4 x 67" (5,1 x 10,2 x 170,2 cm)

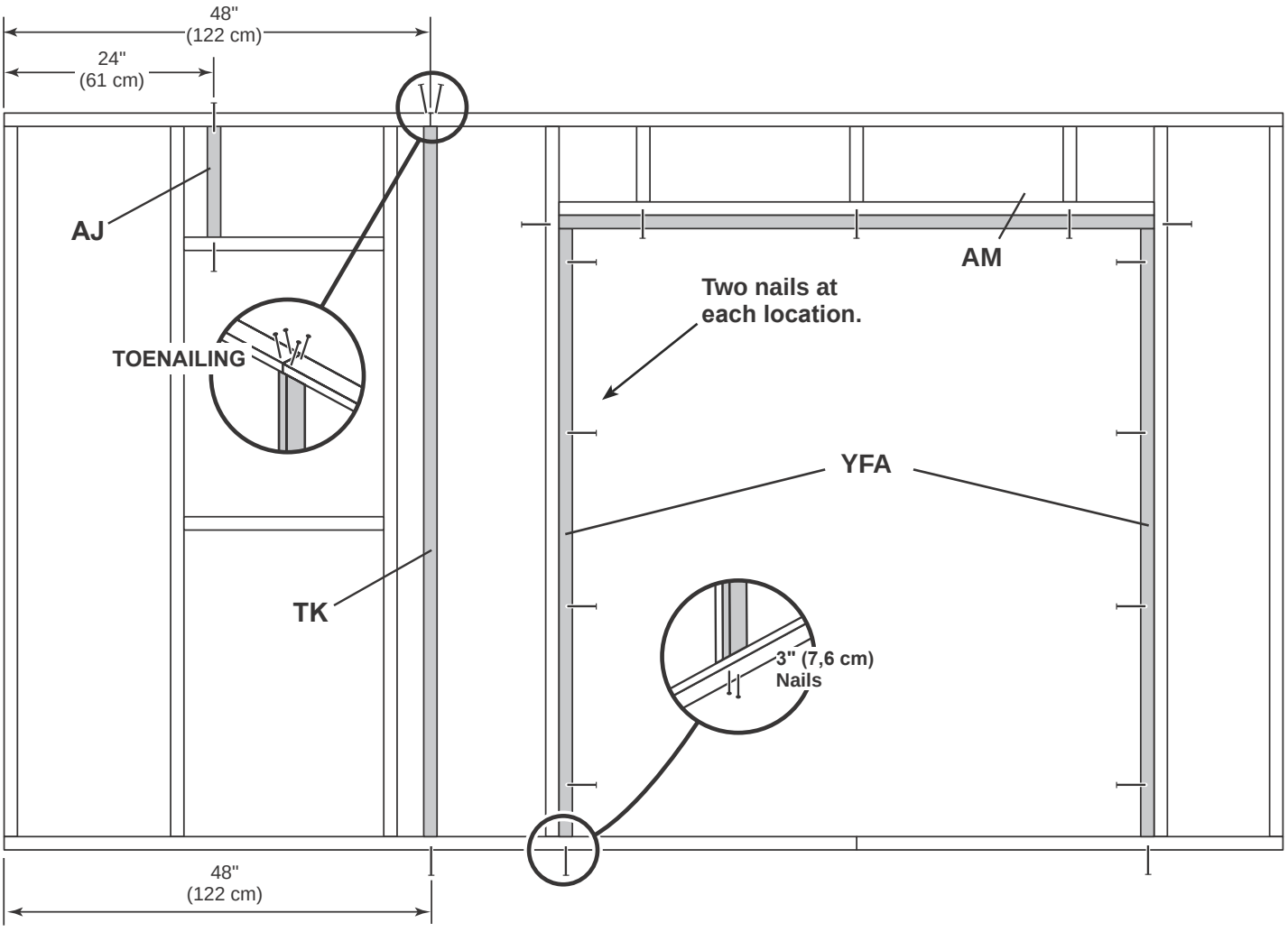
x2 YFA 2 x 4 x 68-1/2" (5 x 10,2 x 174 cm)

x1 TK 2 x 4 x 80" (5,1 x 10,2 x 203,2 cm)

3 Orient parts on edge on floor as shown. Use two 3" nails as shown.

Use two 3" nails at each mark and four 3" nails at seams.



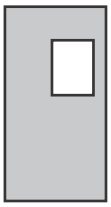


FRONT WALL

PARTS REQUIRED:

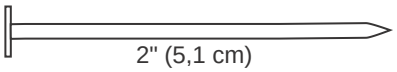
GAA

3/4" GAUGE BLOCK

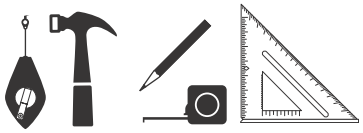


x1 48 x 84" (121,9 x 213,4 cm)

x62



2" (5,1 cm)

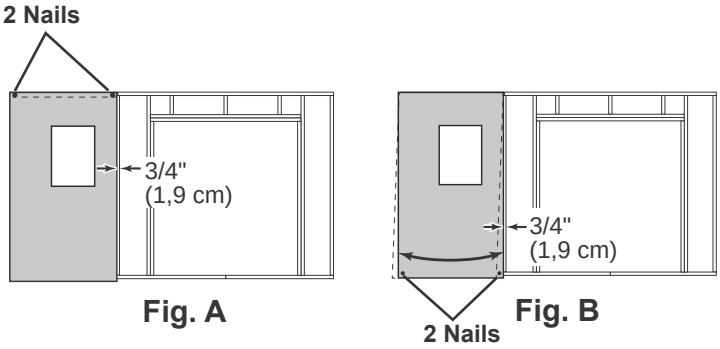


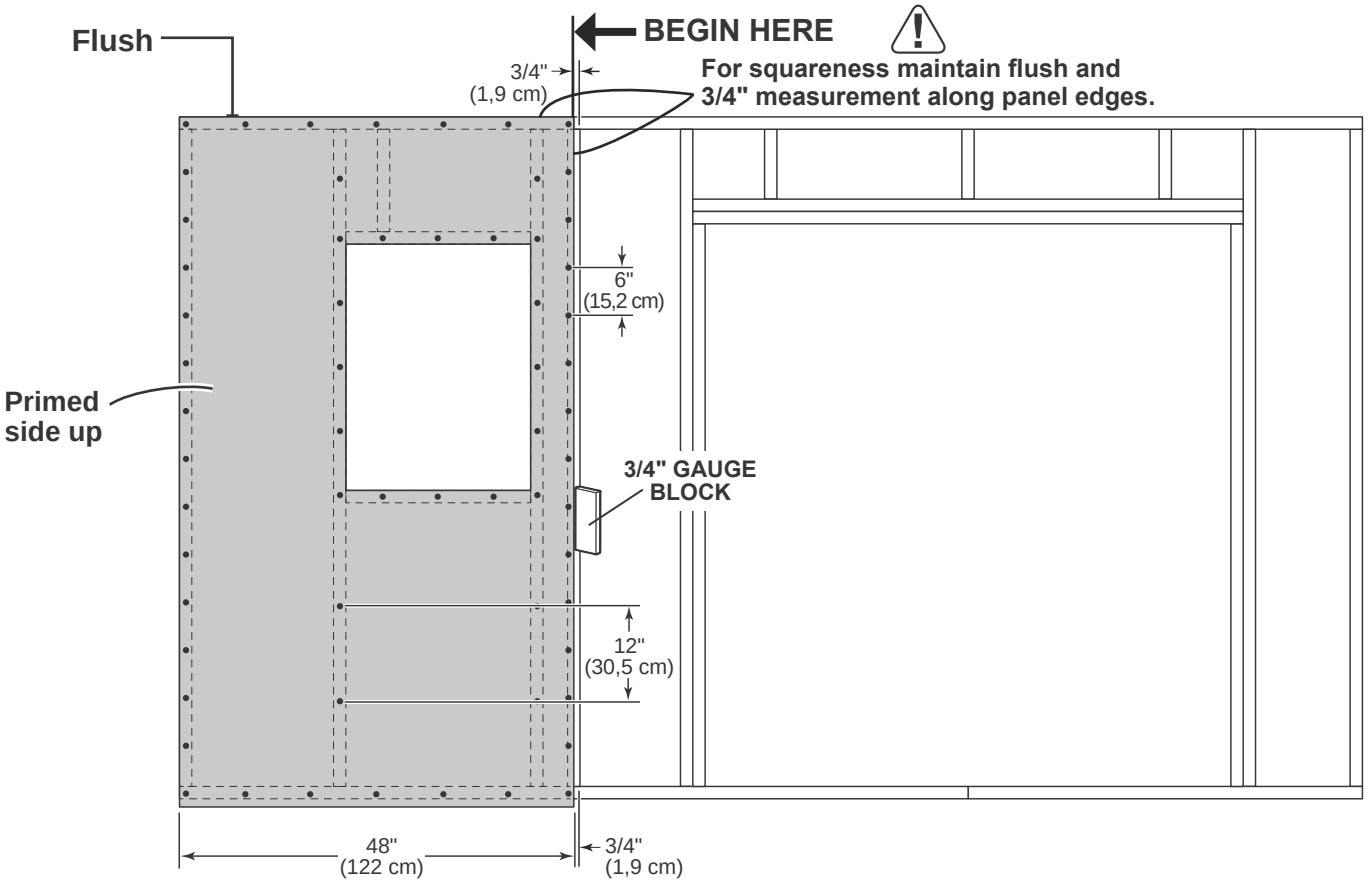
Ensure your wall frame is square by installing one panel and squaring frame.

4 Place **48 x 84"** panel onto wall frame flush to top of frame with primed side up as shown. Use the gauge block to mark the 3/4" measurement on the wall stud. Secure panel with two 2" nails in the corners **(Fig. A)**.

5 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)**.

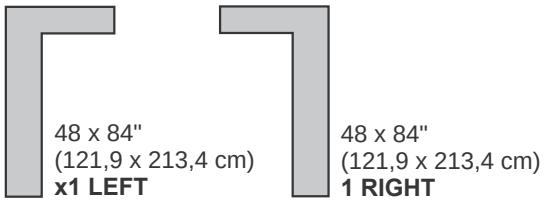
6 Nail the panel using 2" nails 6" apart on edges and 12" apart inside panel.

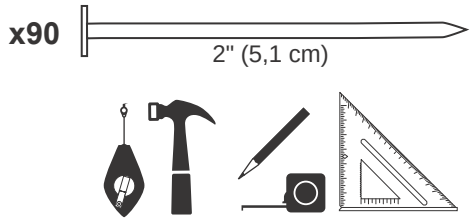




FRONT WALL

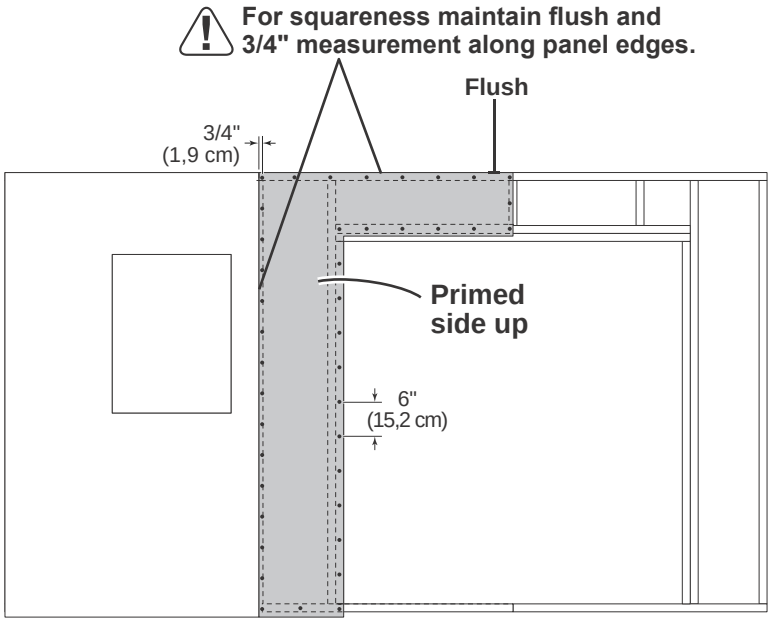
PARTS REQUIRED:





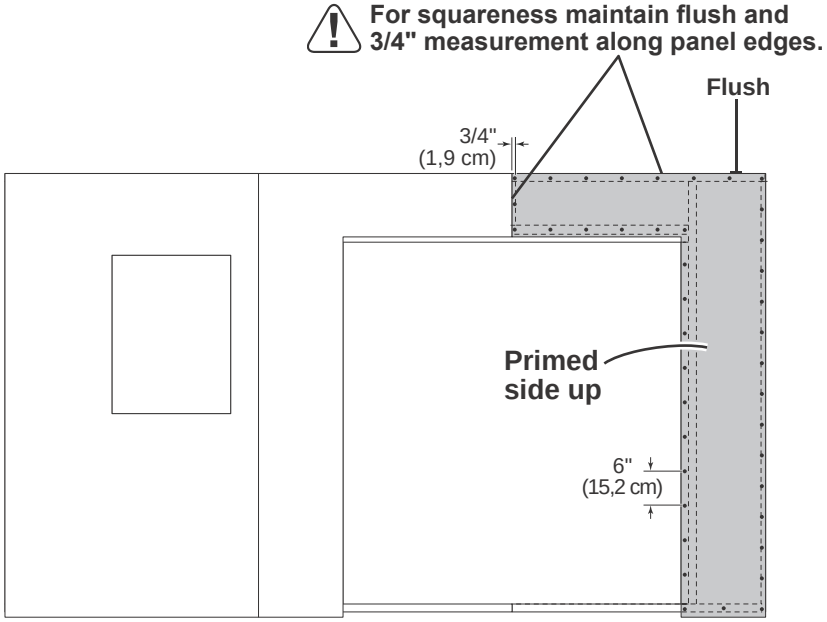
7 Place left **48" x 84"** panel on frame as shown with primed side facing up.

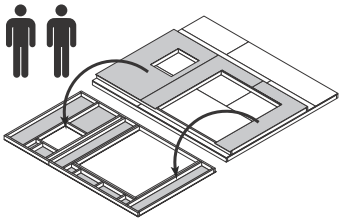
Nail using 2" nails 6" apart on panel edges .



8 Place right **48" x 84"** panel on frame as shown with primed side facing up.

Nail using 2" nails 6" apart on panel edges.





9 Carefully flip the FRONT WALL over.

FINISH

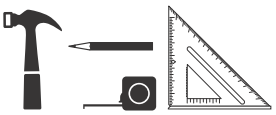
10 You have finished building your FRONT WALL.

BACK WALL

PARTS REQUIRED:

x32 — 3" (7,6 cm)

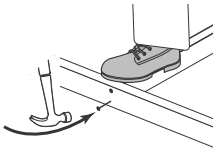
x2	SP	2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)
x7	TK	2 x 4 x 80" (5,1 x 10,2 x 203,2 cm)
x2	TP	2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

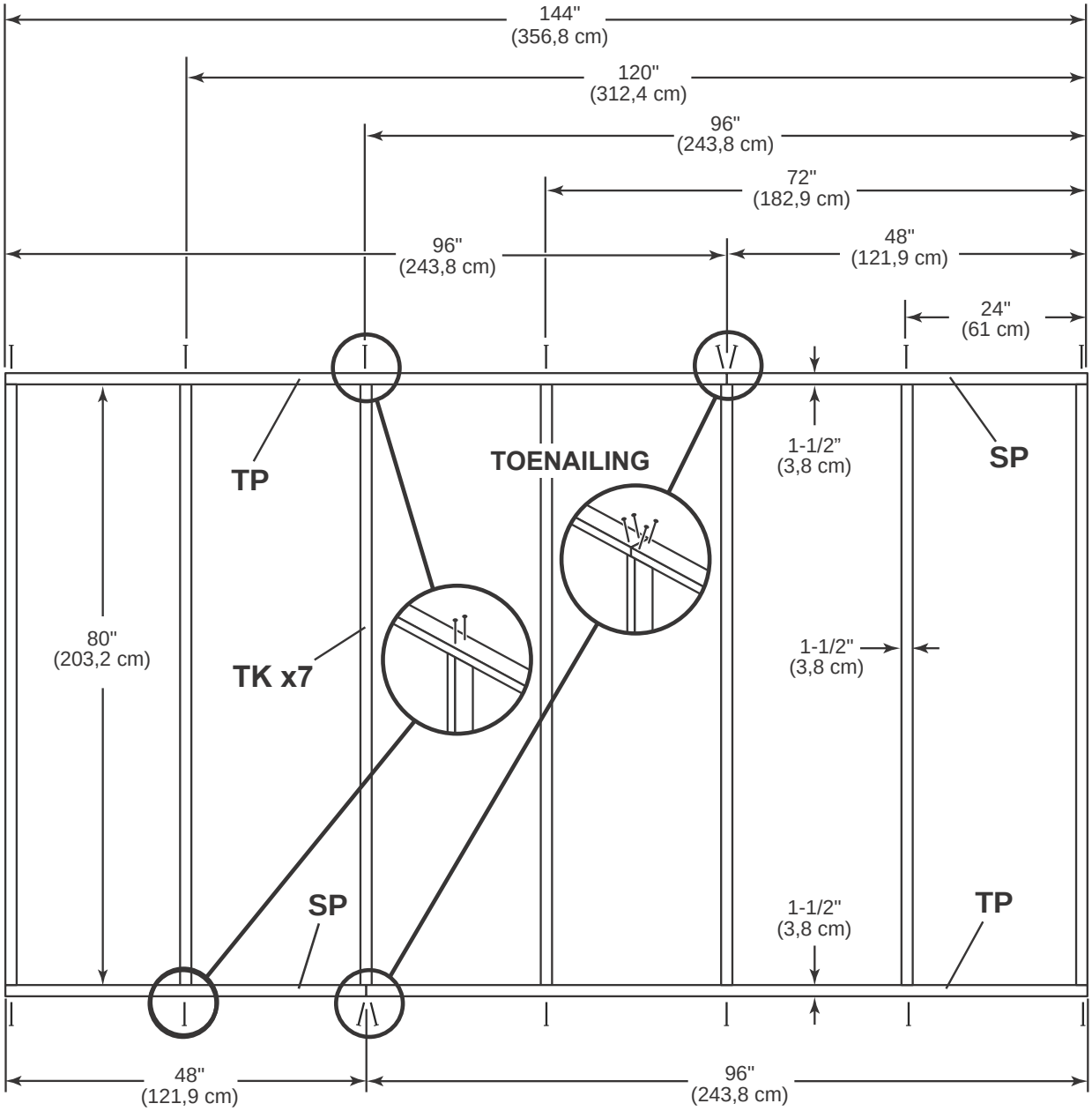


✓BEGIN

1. Orient parts on edge on floor. Measure and mark.
2. Use two 3" nails at each mark and four 3" nails at seams

HINT:
For easier nailing stand on frame.

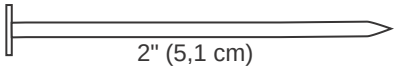




BACK WALL PANELS

PARTS REQUIRED:

x45

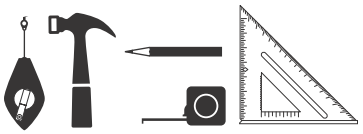


2" (5,1 cm)

x1

48 x 84"
(121,9 x 213,4 cm)

3/4" GAUGE BLOCK



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

3 Place **48 x 84"** panel onto wall frame flush to top of frame with primed side up as shown.

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

4 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)**.

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

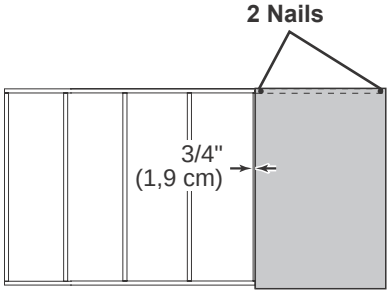


Fig. A

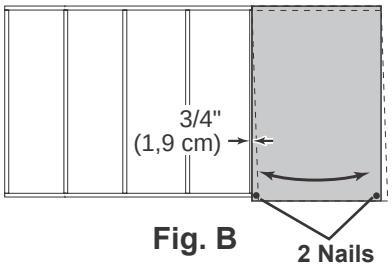
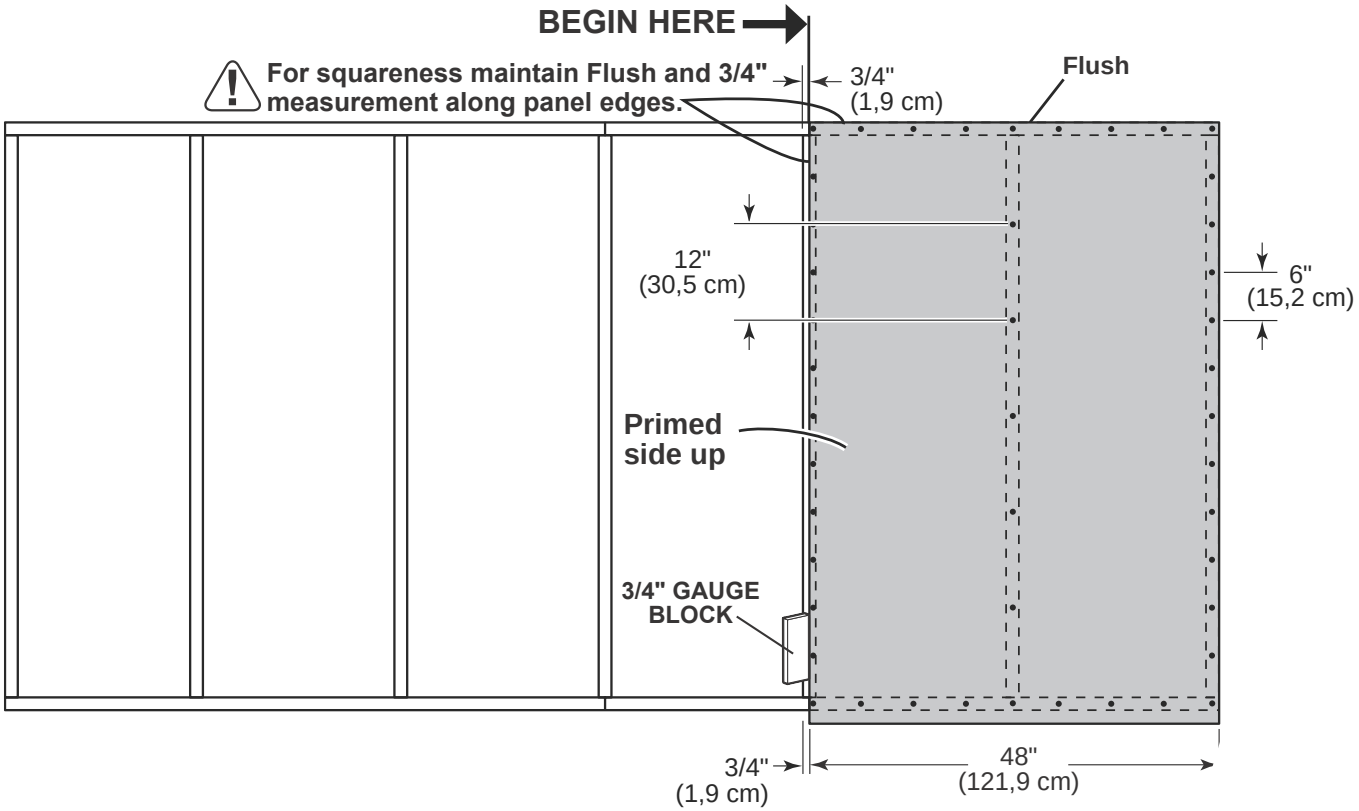


Fig. B



BACK WALL PANELS

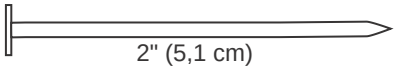
PARTS REQUIRED:

x2

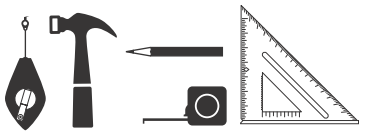
48 x 84"
(121,9 x 213,4 cm)

3/4" GAUGE BLOCK

x90



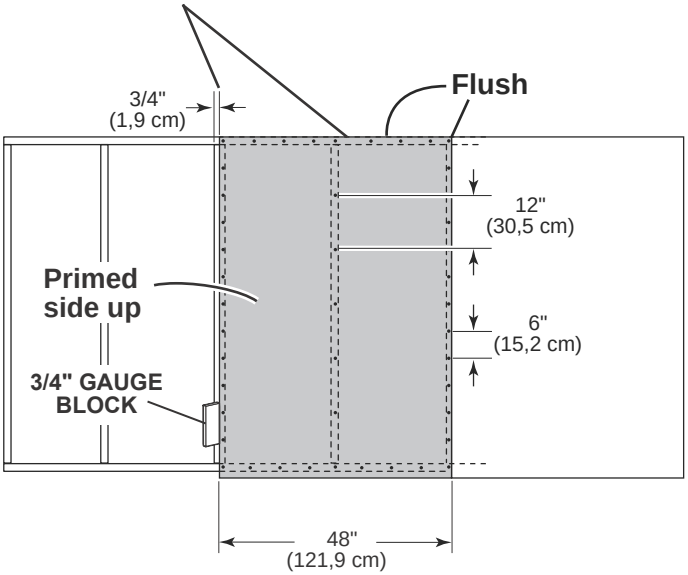
2" (5,1 cm)



For squareness maintain flush and 3/4" measurement along panel edges.

6 Place center **48" x 84"** panel on frame as shown with primed side facing up.

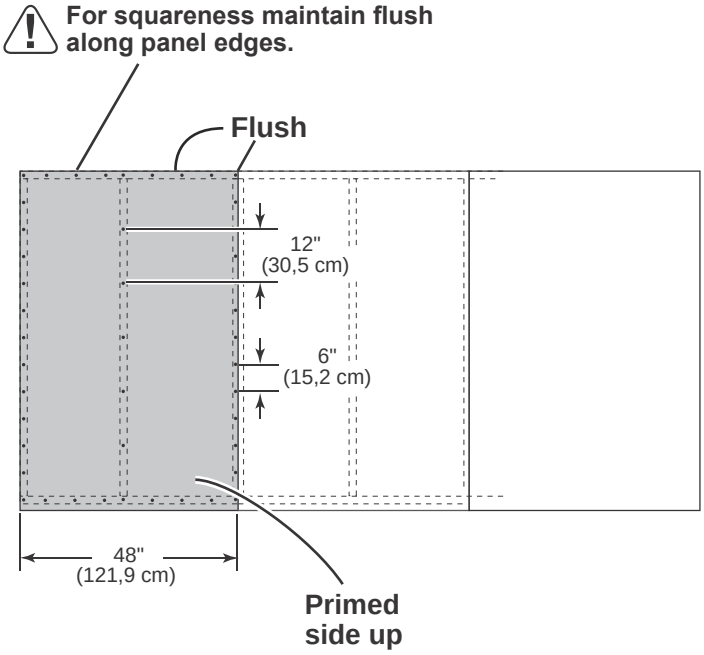
Nail using 2" nails 6" apart on edges and 12" apart inside panel.

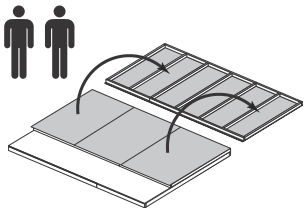


For squareness maintain flush along panel edges.

7 Place end **48" x 84"** panel on frame as shown with primed side facing up.

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





8 Carefully flip the BACK WALL over.

FINISH

9 You have finished building your BACK WALL.

GABLE WALL

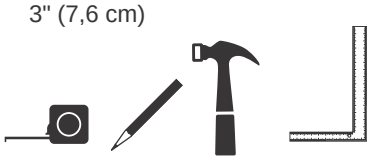
PARTS REQUIRED:

x20 — 3" (7,6 cm)

x6 **TK**
2 x 4 x 80" (5 x 10,2 x 203,2 cm)

x2 **YFA**
2 x 4 x 68-1/2" (5,1 x 10,2 x 174 cm)

x2 **STL**
2 x 4 x 44-1/2" (5,1 x 10,2 x 113 cm)

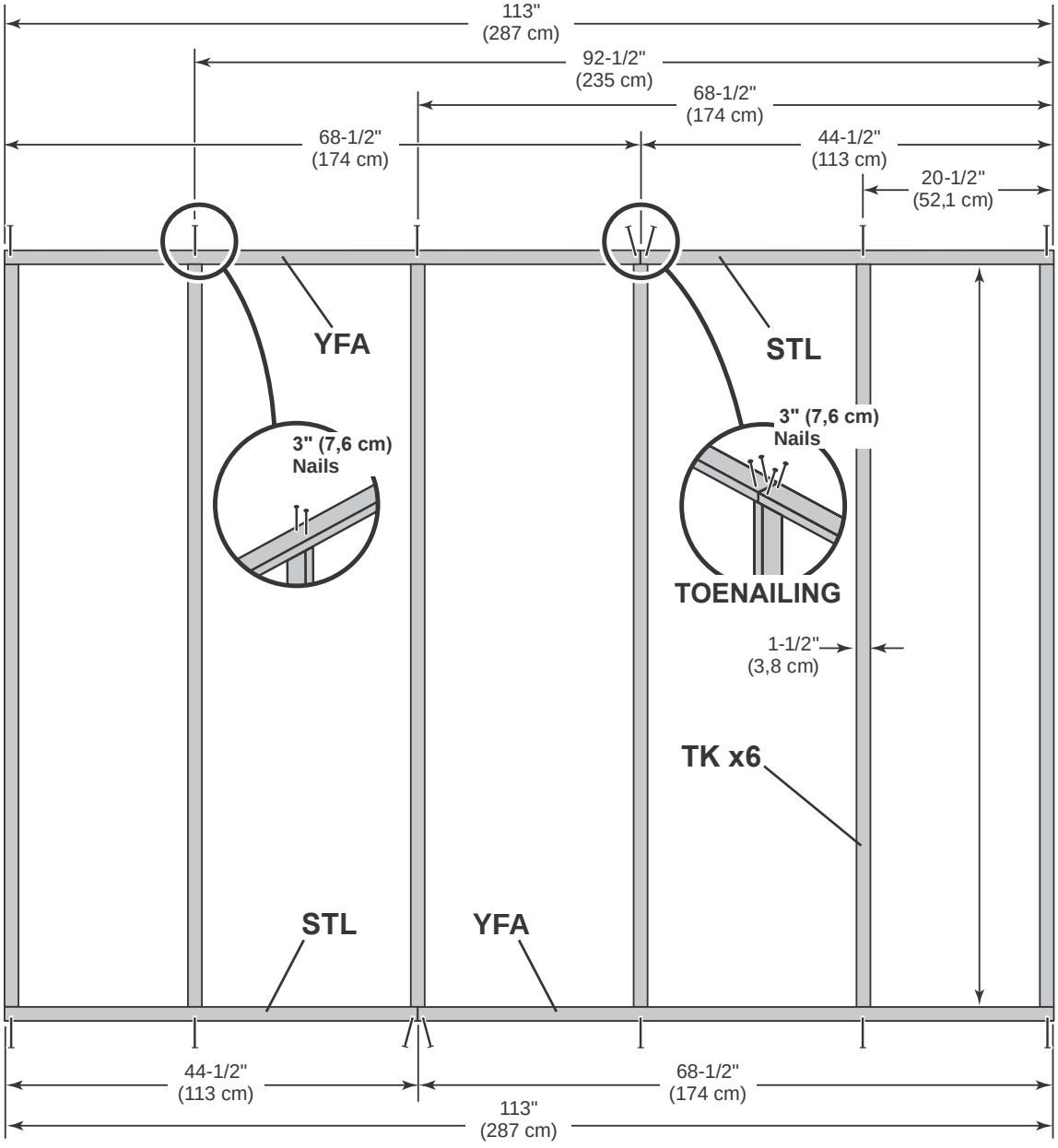


ASSEMBLE TWO IDENTICAL GABLE WALLS.

BEGIN

1. Orient parts on edge on floor. Measure and mark.
2. Use two 3" nails at each mark.

HINT:
For easier nailing stand on frame.



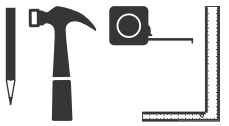
GABLE WALL

PARTS REQUIRED:

x1 — 48 x 84" (122 x 213,4 cm)

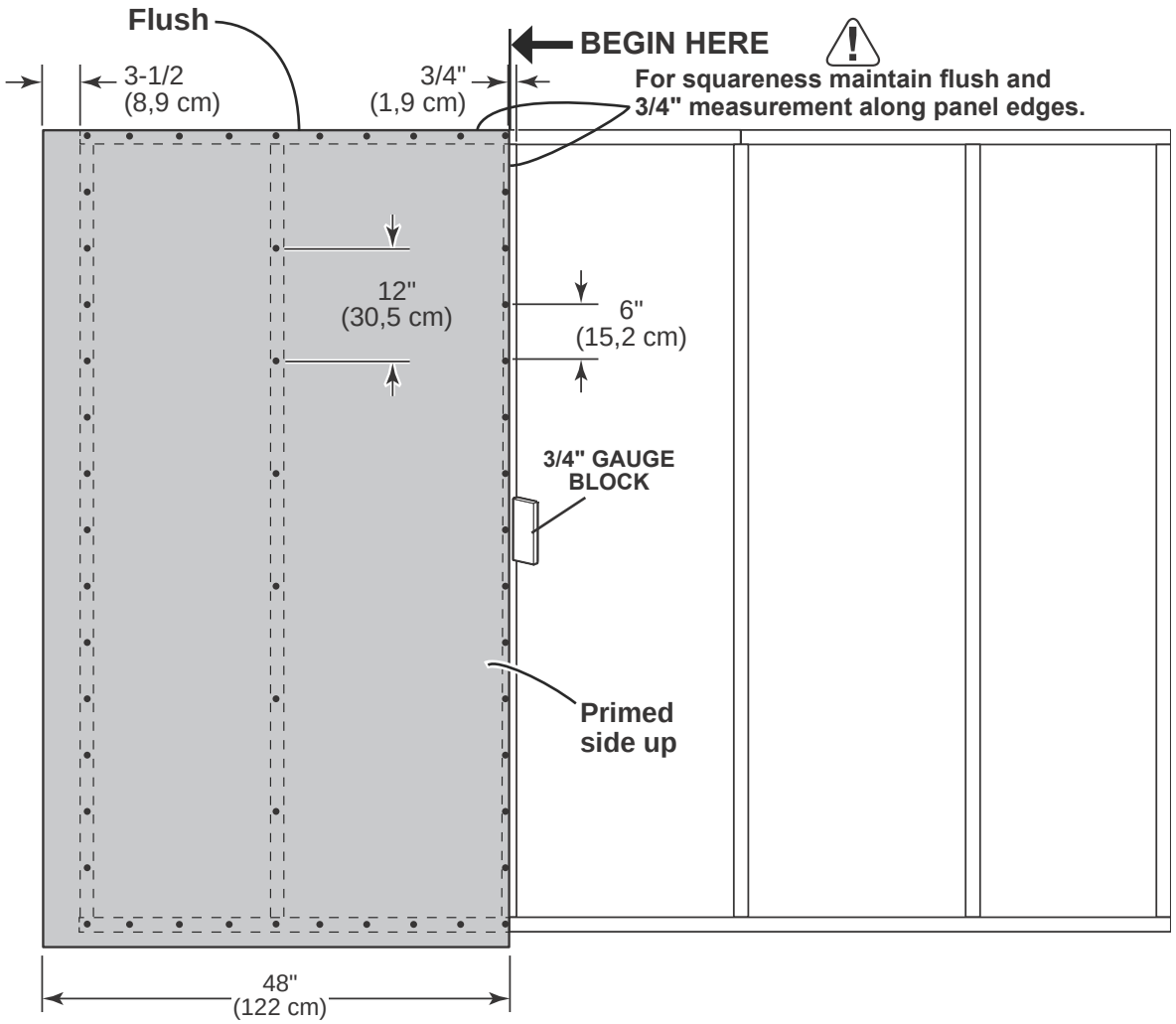
GAA
3/4" GAUGE BLOCK

x52 — 2" (5,1 cm)



2 Place **48" x 84"** panel with primed side up onto frame flush at top and with a 3/4" gap on right side.
Maintain 3/4" measurement along edge.

3 Secure panel to frame using 2" (5,1 cm) nails 6" (15,2 cm) apart along edges.



GABLE WALL

PARTS REQUIRED:

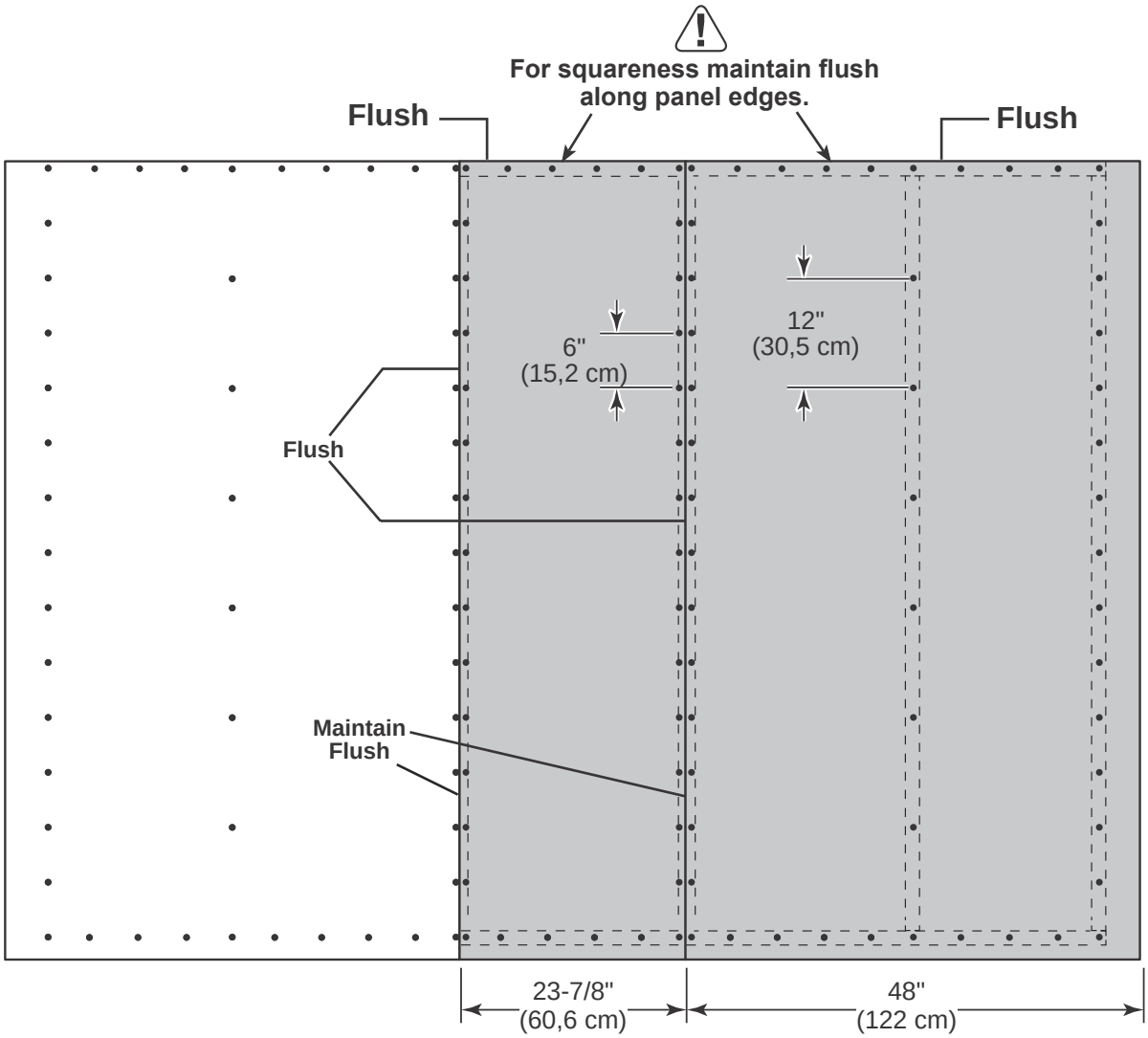
x1 23-7/8 x 84" (60,6 x 213,4 cm)

x1 48 x 84" (122 x 213,4 cm)

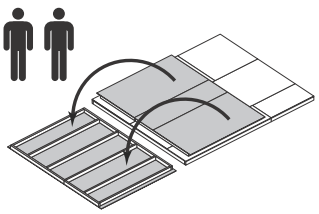
x90 2" (5,1 cm)

4 Place **23-7/8" x 84"** primed side up and flush with installed **48" x 84"** panel edge. Ensure panel is flush at top. Secure using 2" (5,1 cm) nails 6" (15,2 cm) apart on edges.

5 Place **48" x 84"** primed side up and flush with installed **23-7/8" x 84"** panel edge. Ensure panel is flush at top. Secure using 2" (5,1 cm) nails 6" (15,2 cm) apart on edges and 12" (30,5 cm) apart on inside of panel.



6 Carefully flip the GABLE WALL over.



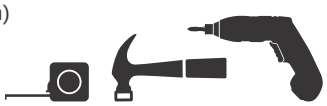
FINISH

7 You have finished building your GABLE WALL.

BACK WALL INSTALLATION

PARTS REQUIRED (TEMPORARY):

x1 **OO**
1-1/2 x 2-1/2 x 69" (3,8 x 6,3 x 175,3 cm)



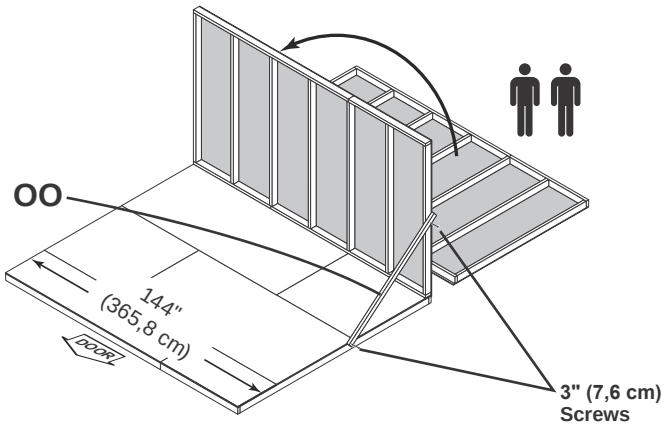
x12 — 3" (7,6 cm)

x2 — 3" (7,6 cm)

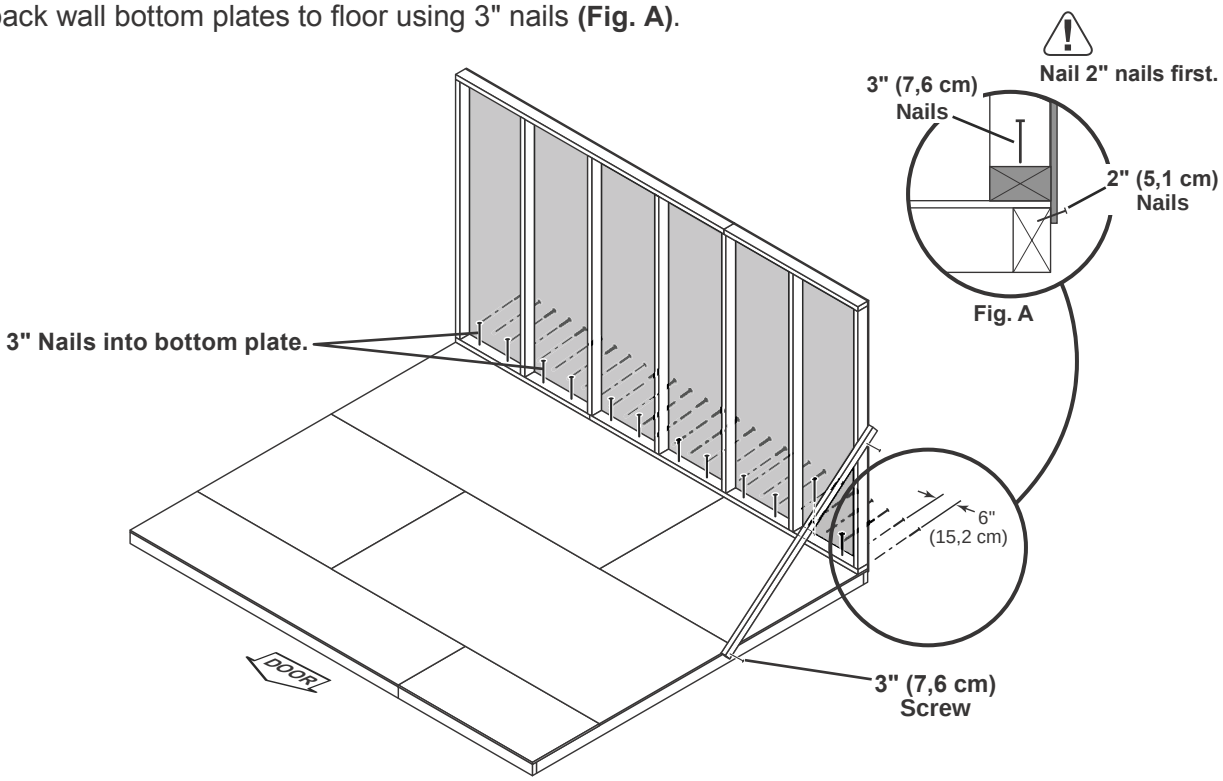
x25 — 2" (5,1 cm)

BEGIN
Stand right back wall on floor.

1. Center right back wall assembly on the 144" (365,8 cm) floor dimension.
2. Use **OO** as a temporary brace. Secure with two 3" screws.



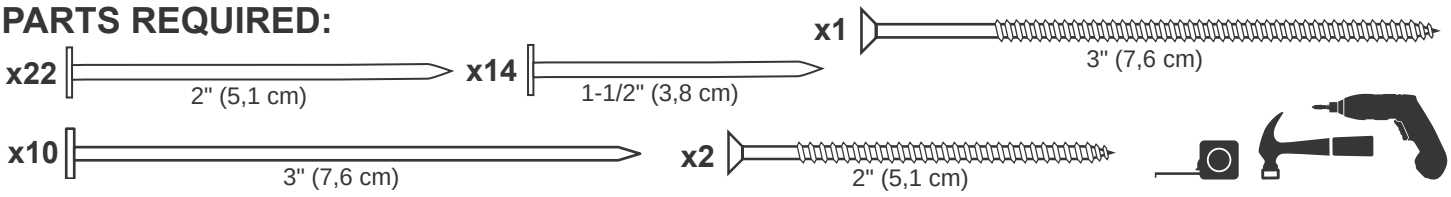
3. First, nail lower edge of panel to floor frame using 2" nails 6" apart. Angle nail to hit floor frame **(Fig. A)**.
4. Secure back wall bottom plates to floor using 3" nails **(Fig. A)**.



FINISH
5. You have finished standing your BACK WALL.

GABLE WALL INSTALLATION

PARTS REQUIRED:



BEGIN

Stand gable wall on floor.

⚠ It is important to secure the gable end wall in the following order:

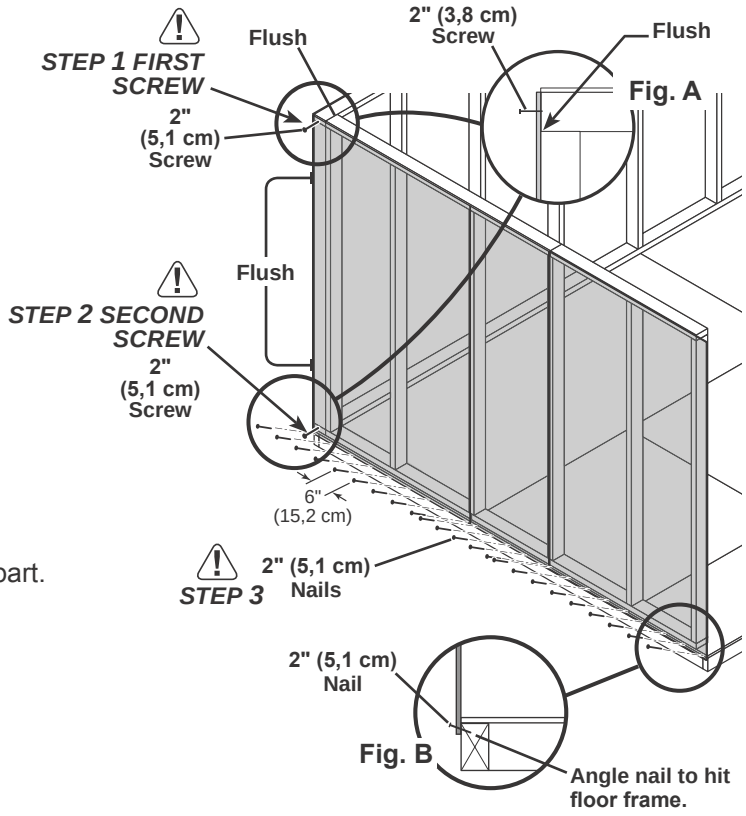
1 Set gable wall on floor and secure top of wall using one 2" screw into top plate **(Fig A)**.

⚠ **ENSURE TOP OF WALL FRAMES ARE FLUSH.** ⚠

2 Move to the bottom of gable wall and secure bottom of wall using one 2" screw into eave wall bottom plate **(Fig A)**.

3 Nail lower edge of panels to floor using 2" nails 6" apart. Angle nail to hit floor frame **(Fig. B)**.

⚠ **ENSURE GABLE AND BACK WALL PANELS ARE FLUSH BEFORE SECURING.**



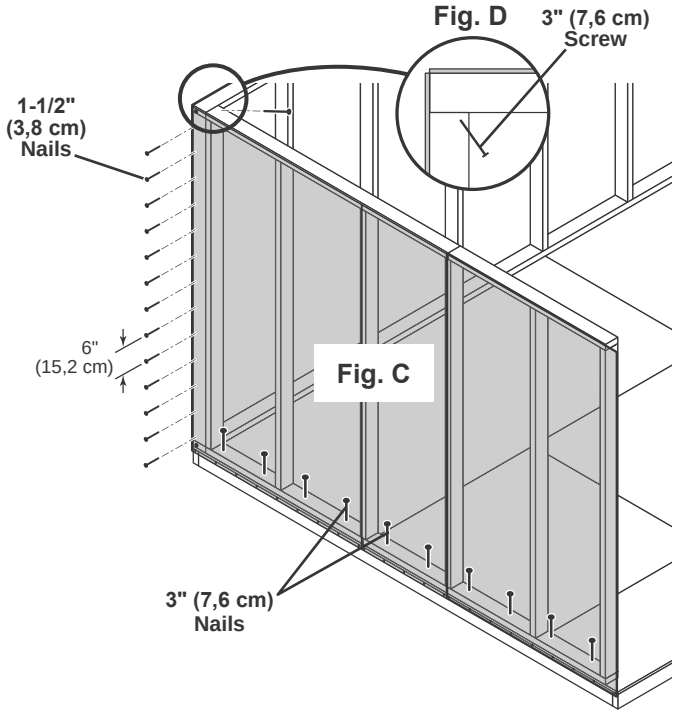
4 Nail gable wall panel to back wall stud using 1-1/2" nails 6" apart **(Fig. C)**.

5 Secure gable wall to floor using 3" nails **(Fig. C)**.

6 Secure gable wall top frame 2 x 4 using one 3" screw toe-screwed into back wall frame at an angle as shown **(Fig. D)**.

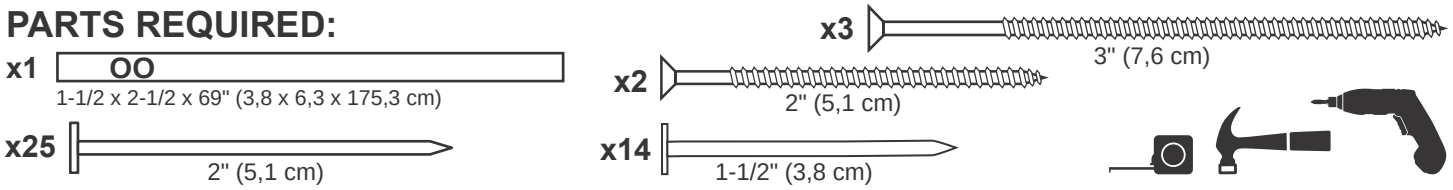
FINISH

7 You have finished standing your GABLE WALL.



FRONT WALL INSTALLATION

PARTS REQUIRED:

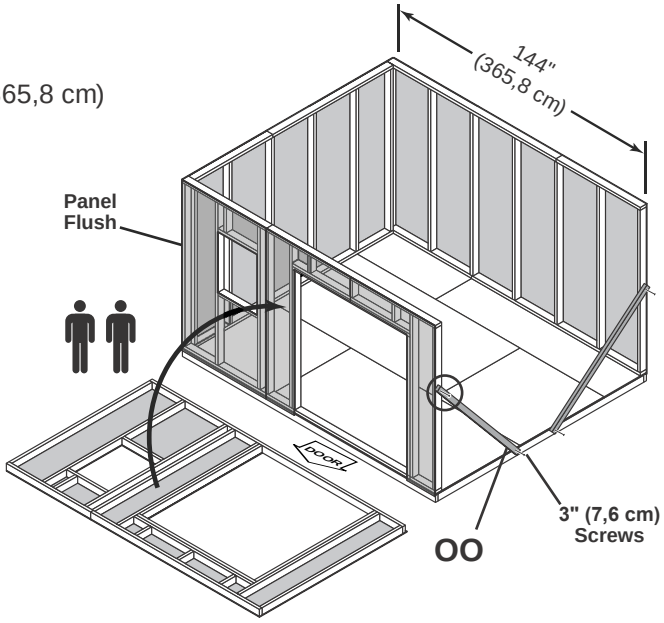


BEGIN

Stand front wall on floor.

1 Center FRONT WALL assembly on the 144" (365,8 cm) floor dimension.

2 Use **OO** as a temporary brace. Secure with two 3" screws.



3 Secure top of wall using one 2" screw into top plate **(Fig A)**.

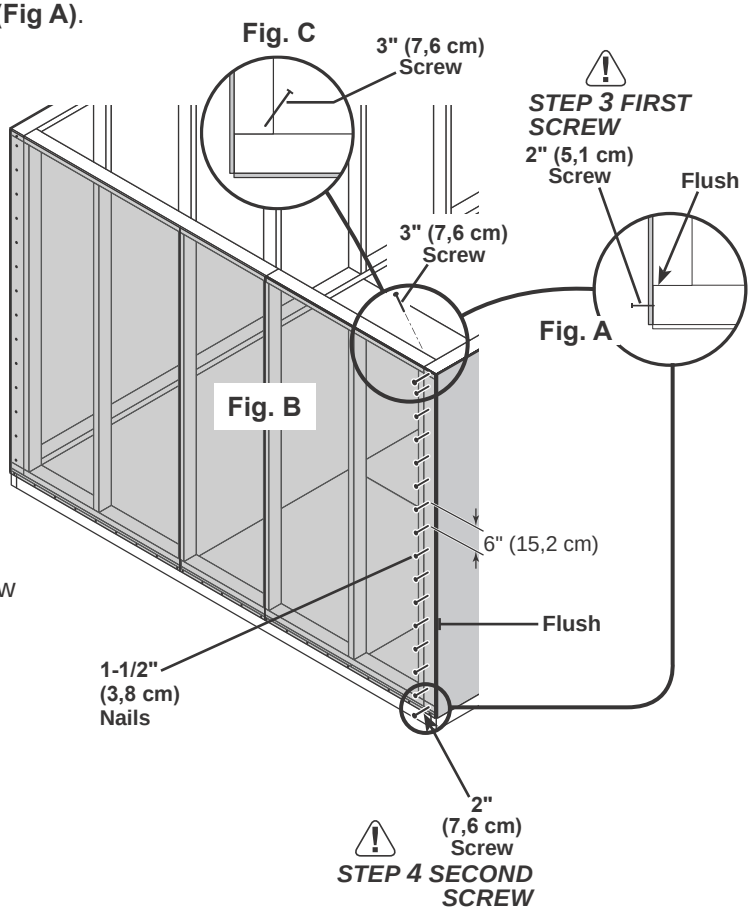
BE SURE TOP OF WALL FRAMES ARE FLUSH.

4 Move to the bottom of gable wall and secure bottom of wall using one 2" screw into front wall bottom plate **(Fig A)**.

5 Nail gable wall panel to front wall stud using 1-1/2" nails 6" apart **(Fig. B)**.

ENSURE GABLE AND FRONT WALL PANELS ARE FLUSH BEFORE SECURING.

6 Secure gable wall top frame 2 x 4 using one 3" screw toe-screwed into front wall frame at an angle as shown **(Fig. C)**.



FRONT WALL INSTALLATION

PARTS REQUIRED:

x8 3" (7,6 cm)

x16 2" (5,1 cm)

7 Nail lower edge of panels to floor frame using 2" nails 6" apart. Angle nail to hit floor frame **(Fig. D)**.

8 Secure front wall bottom plates to floor using 3" nails **(Fig. D)**.

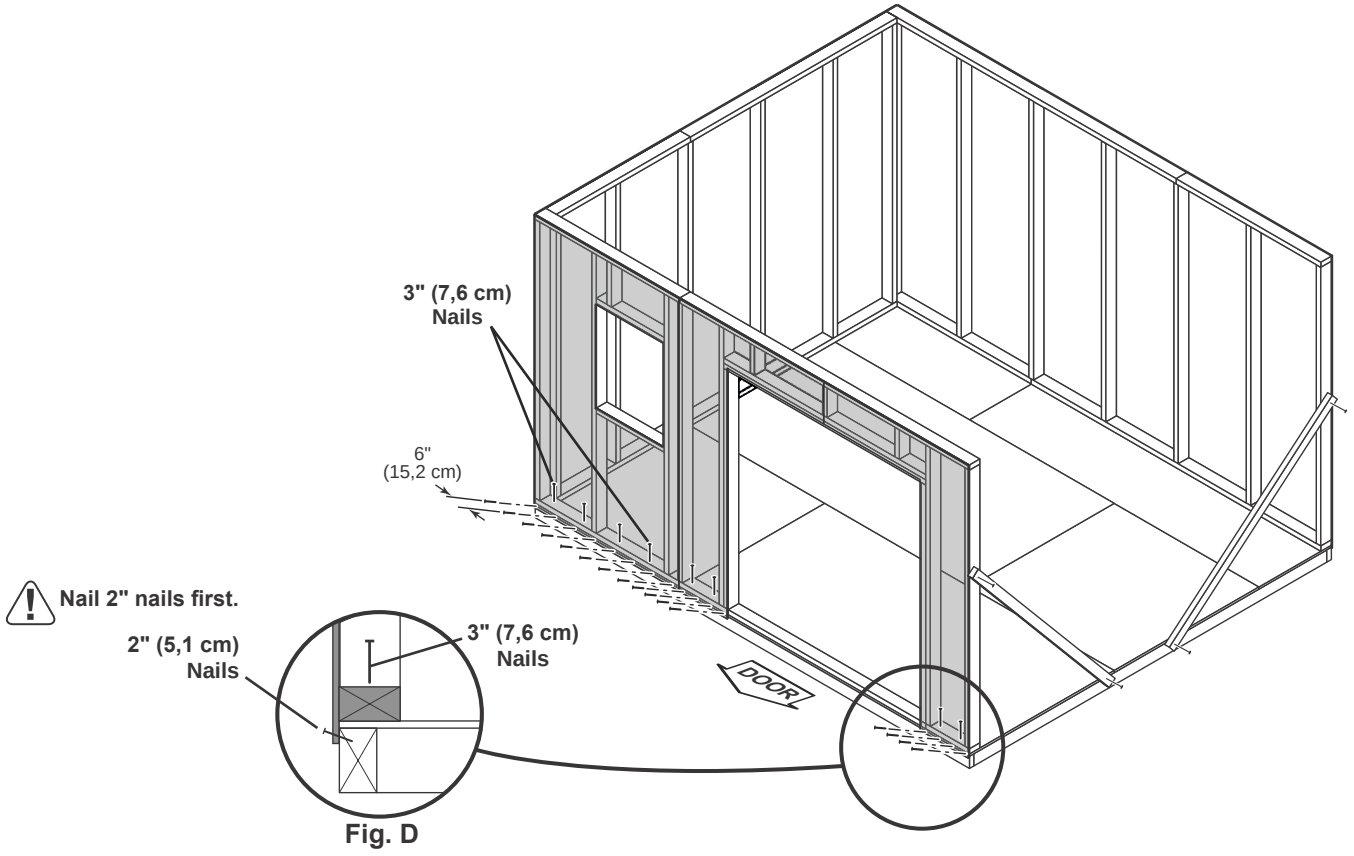


Fig. D

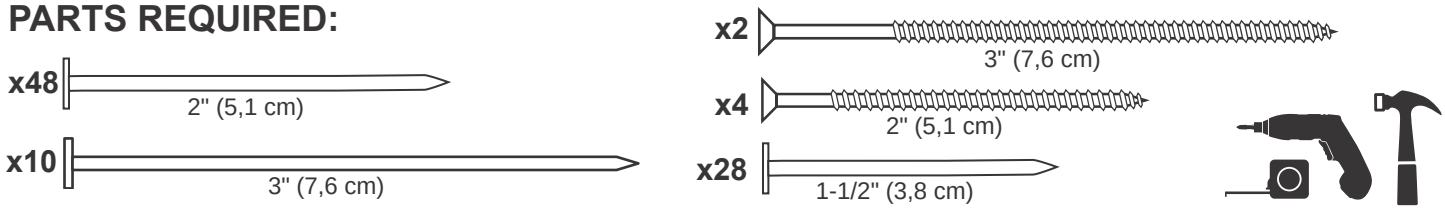
9 Remove temporary braces.

FINISH

10 You have finished standing your FRONT WALL.

GABLE WALL INSTALLATION

PARTS REQUIRED:



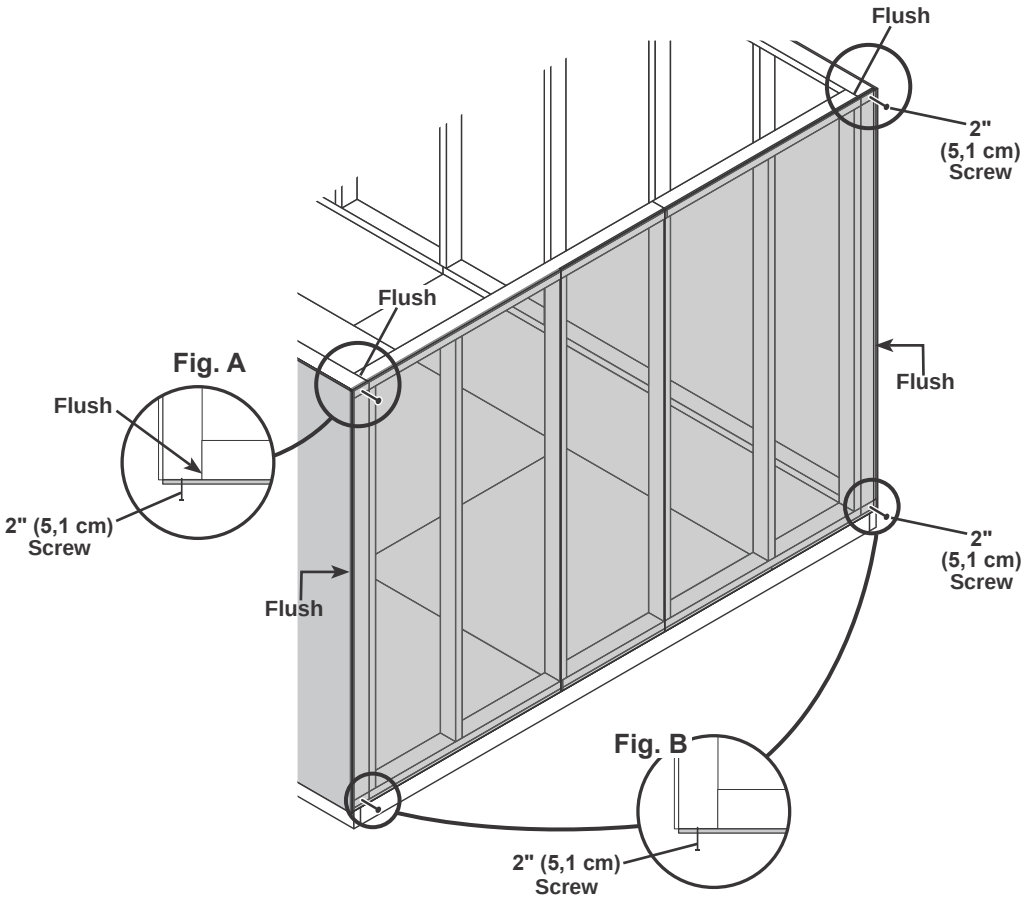
✓**BEGIN**

Remove Temporary Supports and stand gable wall on floor.

⚠ It is important to secure the gable wall in the following order:

1 Set gable wall on floor and secure using one 2" screw on each side **(Fig A)**.

⚠ **ENSURE TOP WALL FRAMES ARE FLUSH.** ⚠



2 Move to the bottom of gable wall and secure bottom of wall using one 2" screw into eave wall bottom plate **(Fig B)**.

⚠ **ENSURE WALL PANELS ARE FLUSH BEFORE SECURING.**

GABLE WALL INSTALLATION

PARTS REQUIRED:

3 Nail lower edge of panels to floor using 2" nails 6" apart. Angle nail to hit floor frame **(Fig. C)**.

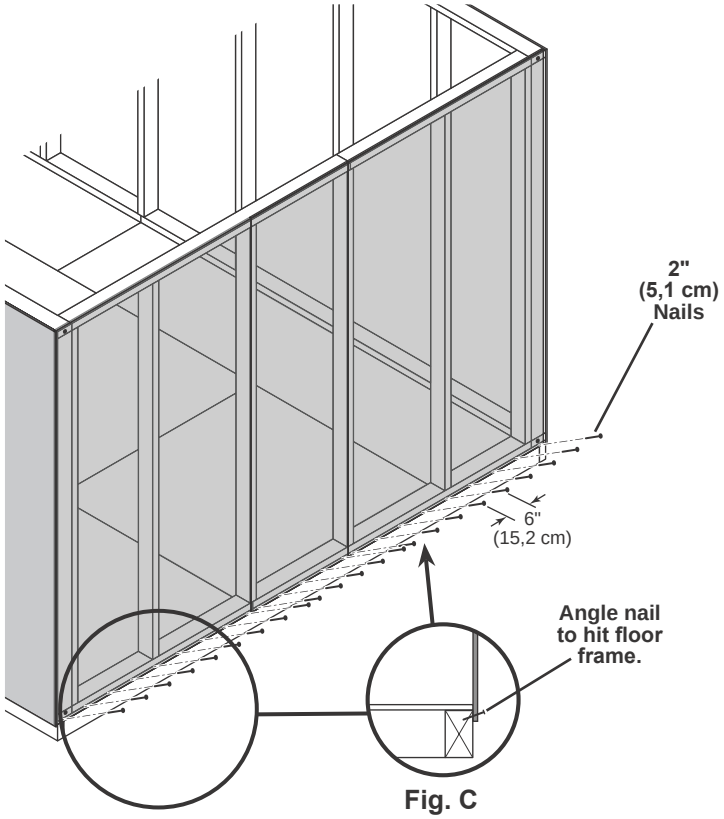
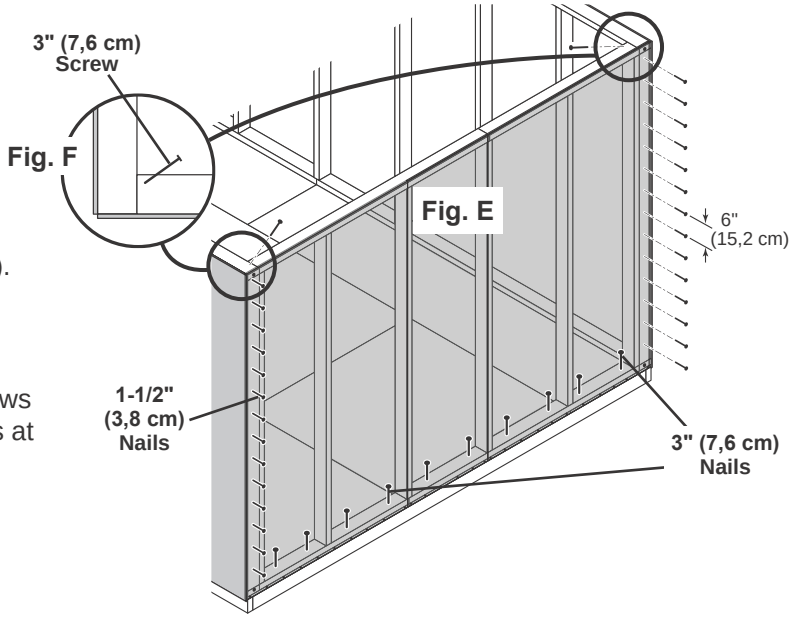


Fig. C

4 Nail gable wall panels to eave wall studs using 1-1/2" nails 6" apart **(Fig. E)**.

5 Secure gable wall to floor using 3" nails **(Fig. E)**.

6 Secure gable wall top frame 2 x 4 using 3" screws toe-screwed at each corner into top wall frames at an angle as shown in **(Fig. F)**.



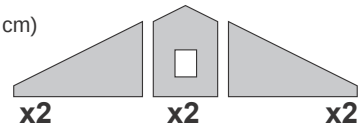
FINISH

7 You have finished standing your GABLE WALL.

GABLE PANELS

PARTS REQUIRED: **x2** **RL**
2 x 4 x 24" (5,1 x 10,2 x 61 cm)

x2 **ECA**
2 x 3 x 75-1/4" (5,1 x 7,6 x 191,1 cm)
TEMPORARY SUPPORT

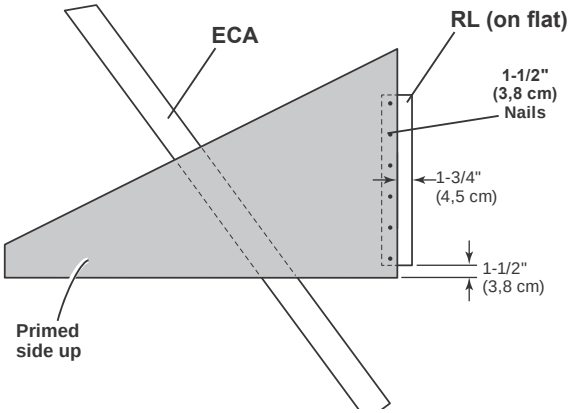


x24
1-1/2" (3,8 cm)

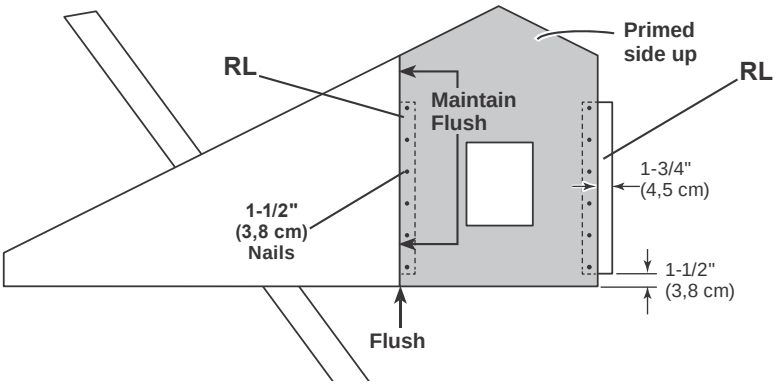
BEGIN

1 You will build **TWO** assemblies. Orient **RL** and **ECA** on flat as shown.

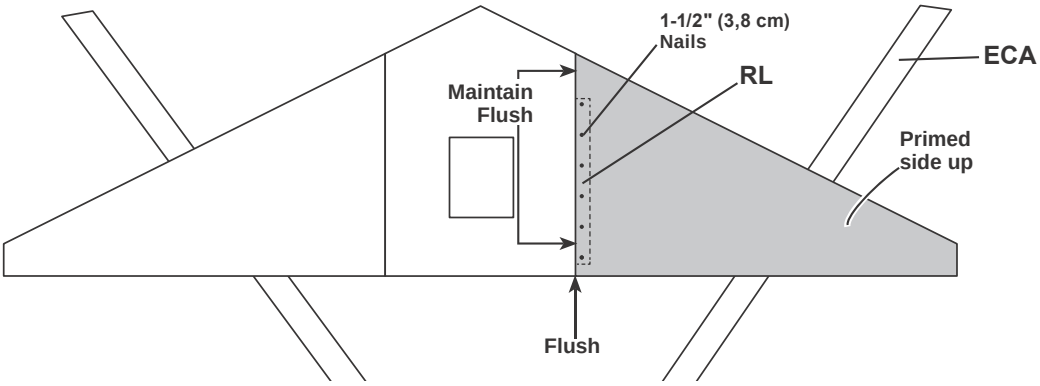
2 Place LEFT front gable panel as shown and secure using 1-1/2" nails.



3 Place MIDDLE front gable panel flush to installed left panel. Ensure panels are flush. Secure panel to installed **RL** using 1-1/2" nails. Place second **RL** as shown under MIDDLE panel and secure using 1-1/2" nails.



4 Place RIGHT front gable panel flush to installed middle panel. Ensure panels are flush. Secure to **RL** using 1-1/2" nails.



5 Repeat **Steps 1-4** to build second gable panel.

FINISH

6 You have finished assembling your gable panels.

GABLE LADDERS

PARTS REQUIRED:

x16 CLA
2 x 4 x 4-7/8" (5,1 x 10,2 x 12,4 cm)

x8 ECA
2 x 3 x 75-1/4" (5,1 x 7,6 x 191,1 cm)

x64

3" (7,6 cm)

BEGIN

1 Orient parts as shown **(Fig. A)**.
You will build **FOUR** assemblies **(Fig. B)**.

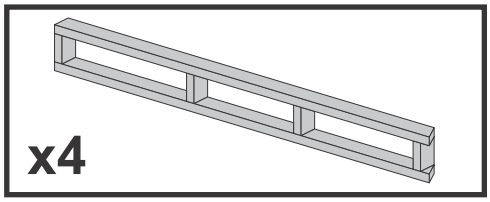
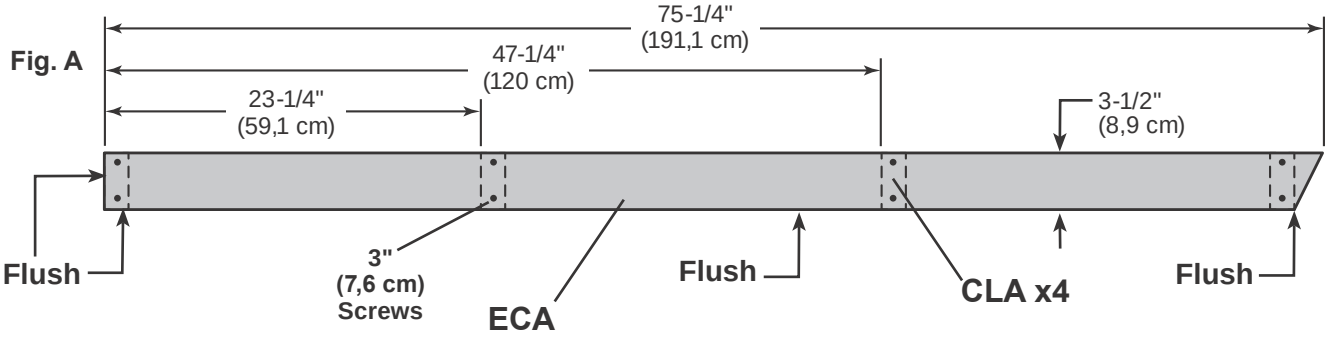


Fig. B

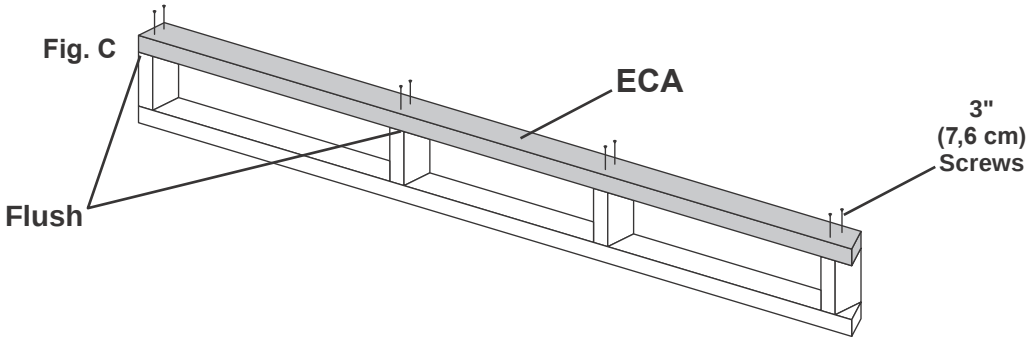
2 Arrange, measure and mark locations of four **CLA** as shown place **ECA** on top. Secure using 3" screws as shown **(Fig. A)**. Ensure parts are flush along edges.

Fig. A



3 Flip over gable ladder sub-assembly and attach **ECA** to four **CLA** using 3" screws **(Fig. C)**.

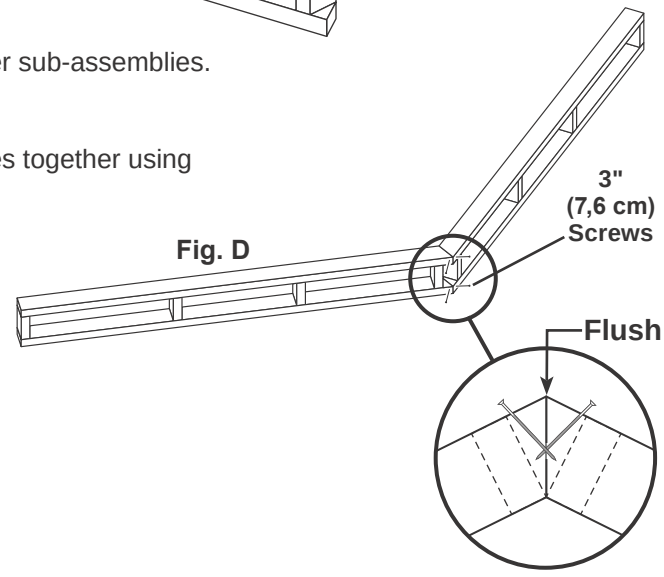
Fig. C



4 Repeat STEPS 2-3 to build three additional gable ladder sub-assemblies.

5 To complete gable ladder, toe-screw two sub-assemblies together using 3" screws **(Fig. D)**.

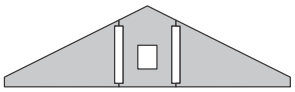
Fig. D



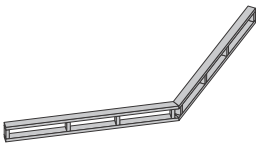
6 Repeat **Step 5** to build the other gable ladder.

GABLE ASSEMBLIES

PARTS REQUIRED:



x2 Gable Assemblies



x2 Ladder Assemblies

x8 3" (7,6 cm)

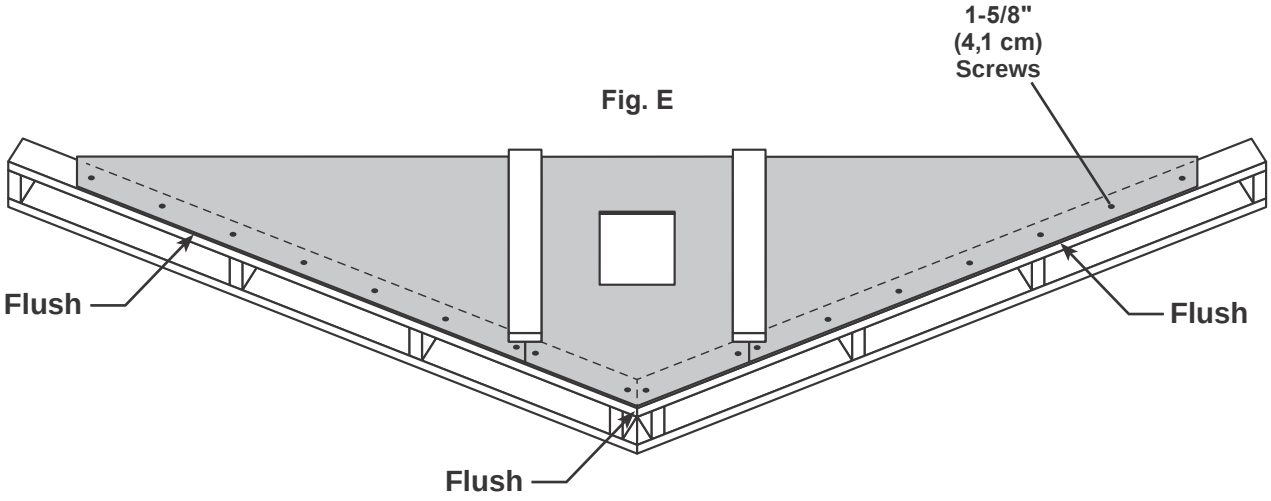
x4 PVA 2 x 4 x 5-7/8" (5,1 x 10,2 x 14,9 cm)

x36 1-5/8" (4,1 cm)

7 Orient gable and ladder assemblies as shown **(Fig. E)**. You will build **TWO** complete assemblies.

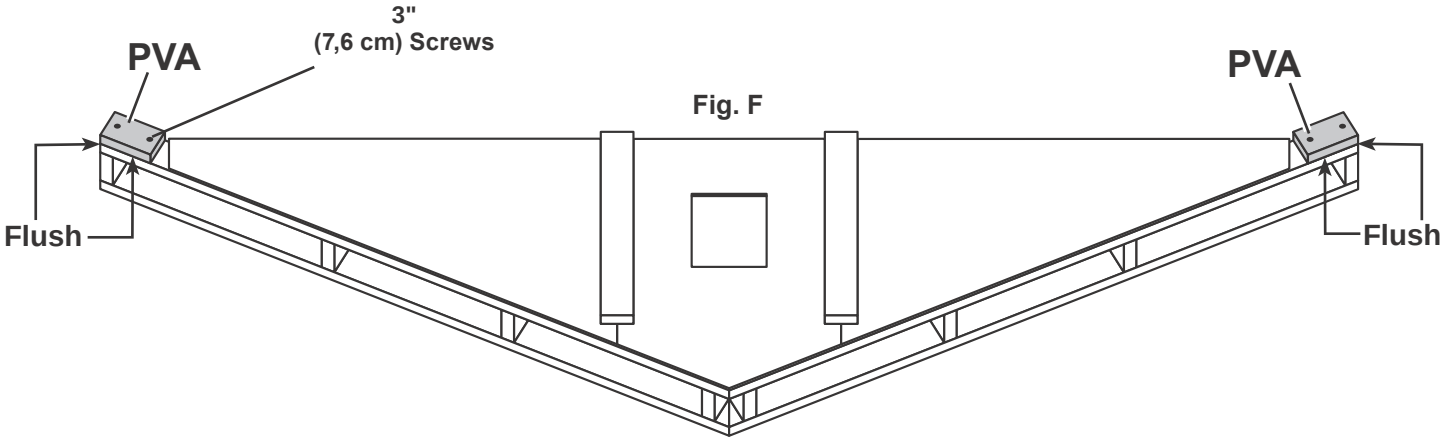
8 Ensure gable panels are flush at peak of ladder and flush along top edge of ladder assembly. Secure using 1-5/8" screws as shown **(Fig. E)**.

Fig. E



9 Attach **PVA** to ladder assembly using 3" screws **(Fig. F)**.

Fig. F



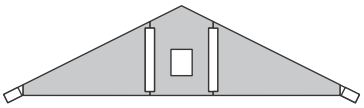
10 Repeat **Steps 7-9** to build the other gable assembly.

FINISH

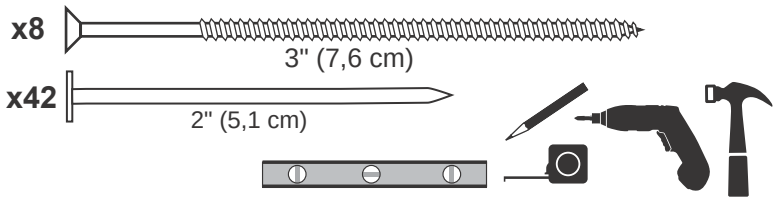
11 You have finished building two gable units.

GABLE UNITS

PARTS REQUIRED:



x2 Gable Units



BEGIN

Attach gable unit on gable wall top plate.

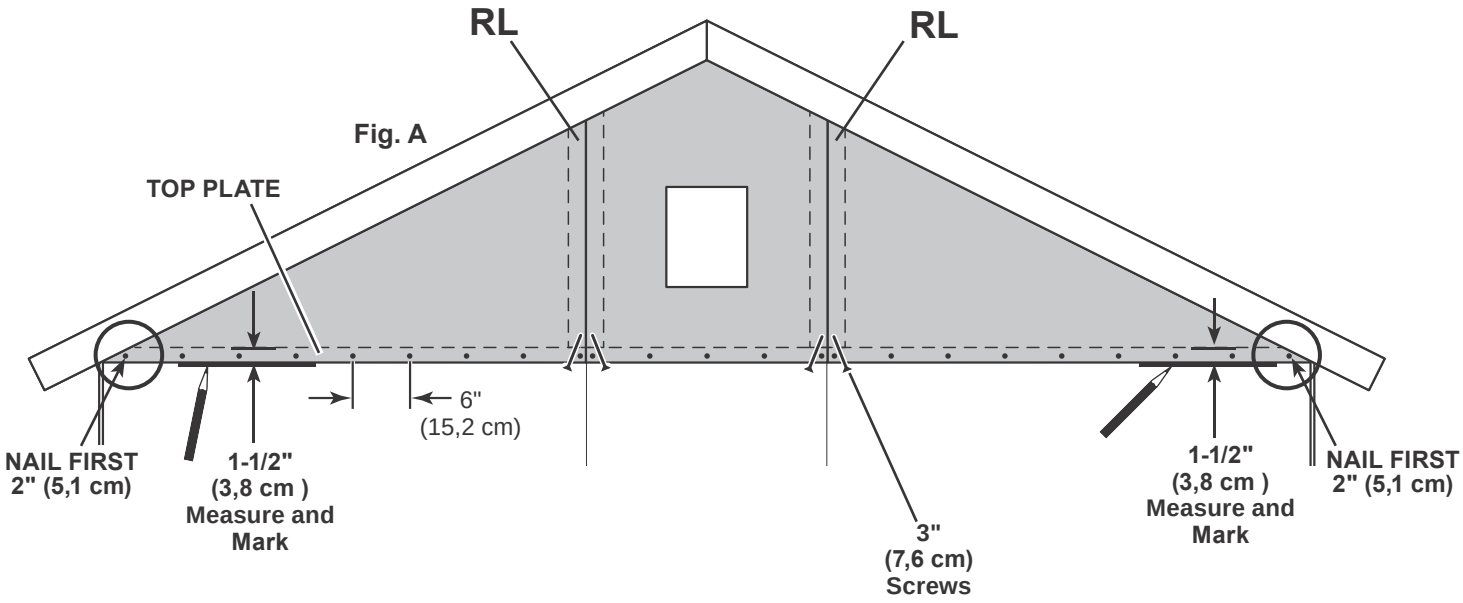
It is important to secure the gable unit in the following order:

1 Measure 1-1/2" down from top plate and mark at each side as shown. Set gable unit on top plate. Hold secure with one 2" nail on each side as shown.

BE SURE GABLE IS CENTERED ON WALL BEFORE NAILING.

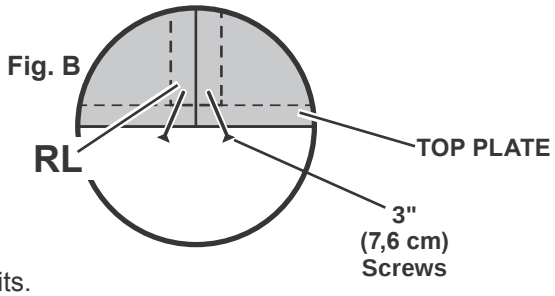
2 Continue nailing lower edge of panels into top plate using 2" nails 6" apart as shown

3 Then, on the inside, secure gable unit with 3" screws toe-screwed into **RL** at an angle as shown in **(Fig. B)**.



4 Repeat **Steps 1-3** to attach left gable unit.

Secure gable with two 3" screws toe-screwed into **RL** at an angle as shown in **(Fig. B)**.

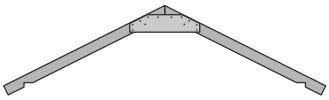


FINISH

5 You have finished attaching your gable units.

TRUSSES

PARTS REQUIRED:



x5 Preassembled Truss

x30 3" (7,6 cm)

BEGIN

1 Locate first truss on top plate, aligned over studs at each side and tight to side wall **(Fig. A)**. Rest notch on top plate.

Secure rafter to top plate with two 3" screws above notch and one 3" screw from under top plate **(Fig. B, C)**.

2 Place remaining rafters on top plate, aligned over studs as shown and secure with 3" screws **(Fig. C)**.

- ***Align rafter over window crippler AJ on front wall.***

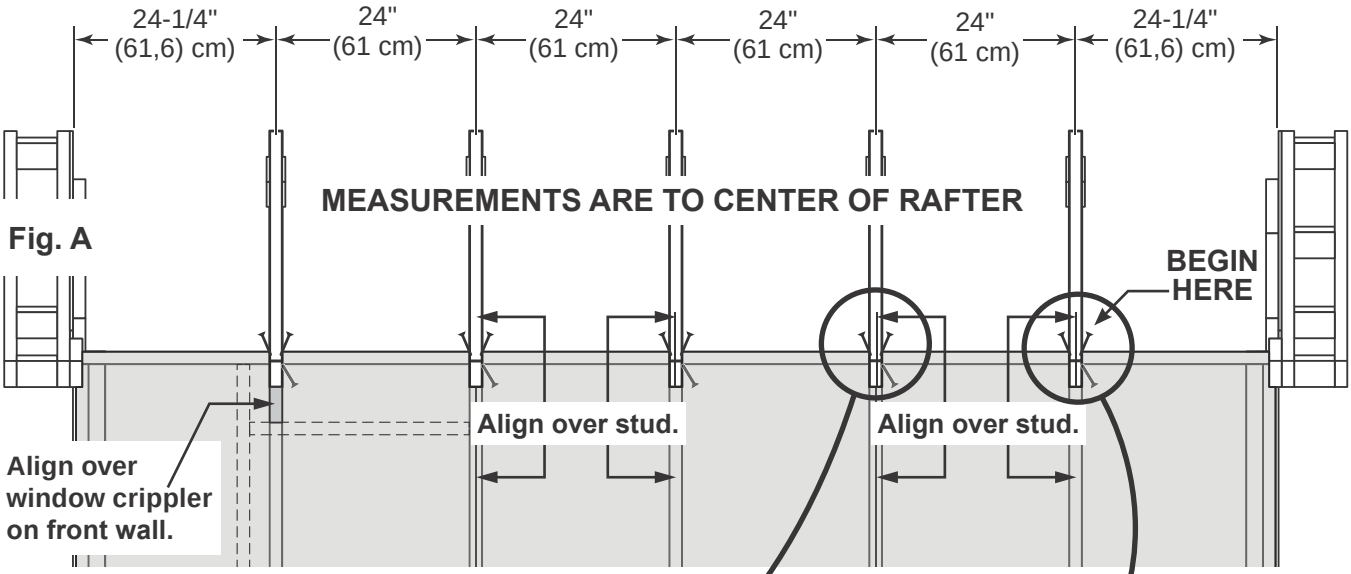


Fig. A

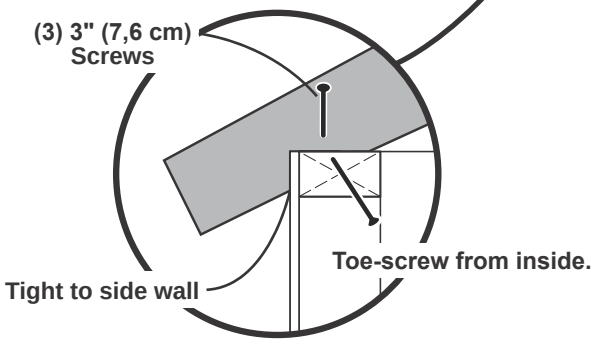


Fig. B

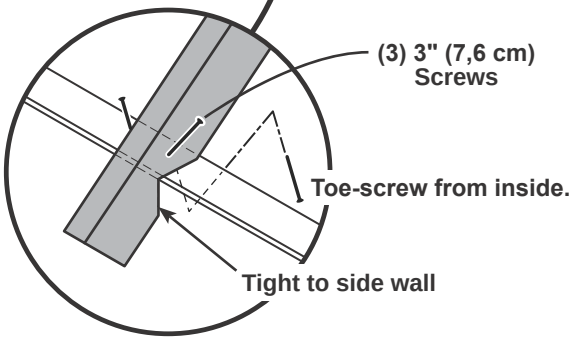


Fig. C

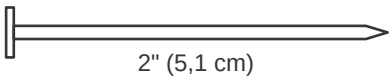
FINISH

3 You have finished attaching your TRUSSES.

ROOF PANELS

PARTS REQUIRED:

x234



2" (5,1 cm)

x2

7/16 x 27-1/4 x 32-5/8"
(1,1 x 69,2 x 82,9 cm)

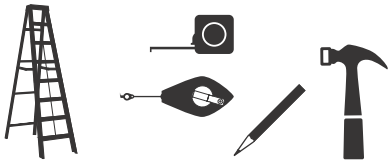
x1

7/16 x 27-1/4 x 96"
(1,1 x 69,2 x 243,8 cm)

x2

7/16 x 48 x 80"
(1,1 x 121,9 x 203,2 cm)

3/4" GAUGE BLOCK

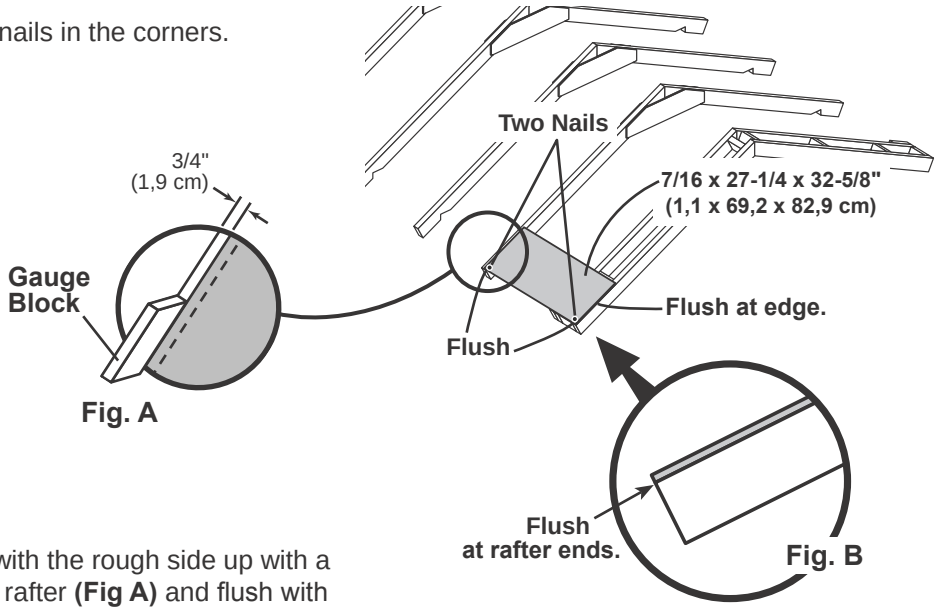


Roof panels may cause serious injury until securely fastened.

BEGIN

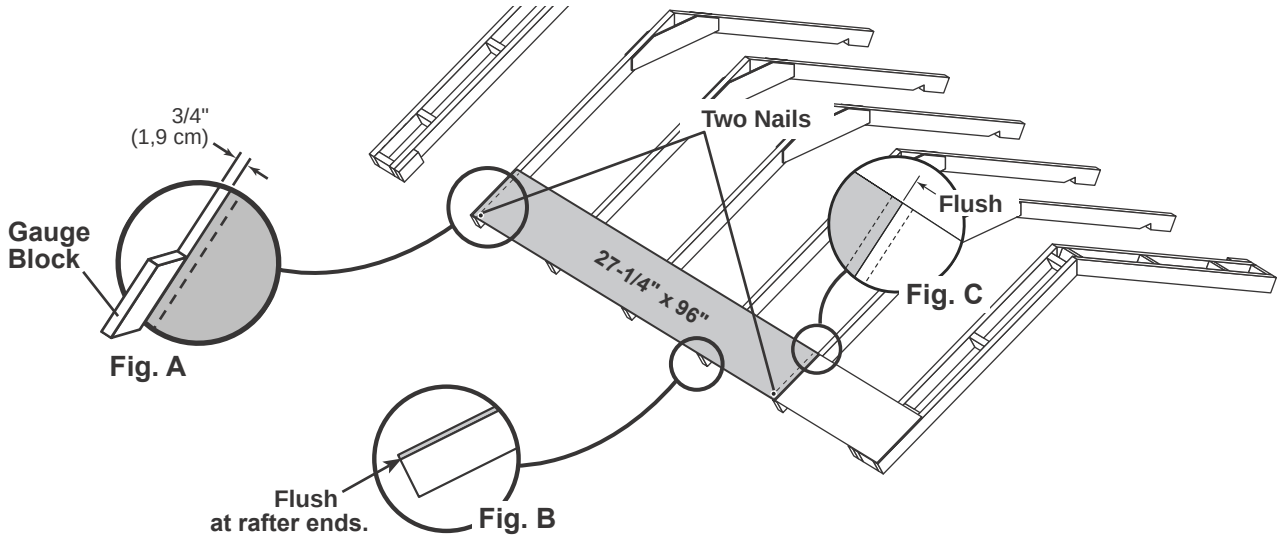
1 Attach the **27-1/4" x 32-5/8"** panel with the rough side up (painted-grid lines side) with a 3/4" (1,9 cm) measurement on the rafter **(Fig A)** and the panel flush at the gable end overhang **(Fig. B)**.

Secure panel with two 2" (5,1 cm) nails in the corners.



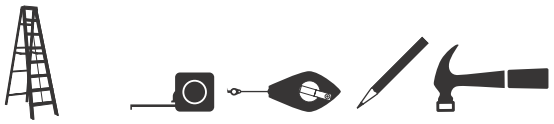
2 Attach a **27-1/4" x 96"** roof panel with the rough side up with a 3/4" (1,9 cm) measurement on the rafter **(Fig A)** and flush with the installed panel **(Fig. C)**.

Secure panel with two 2" (5,1 cm) nails in the corners.



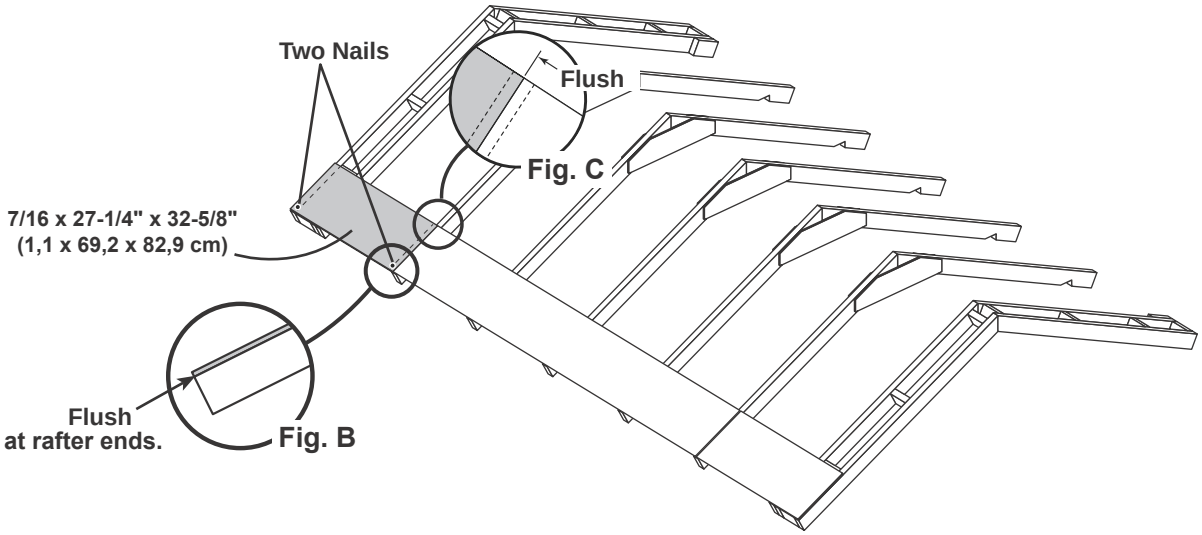
ROOF PANELS

PARTS REQUIRED:

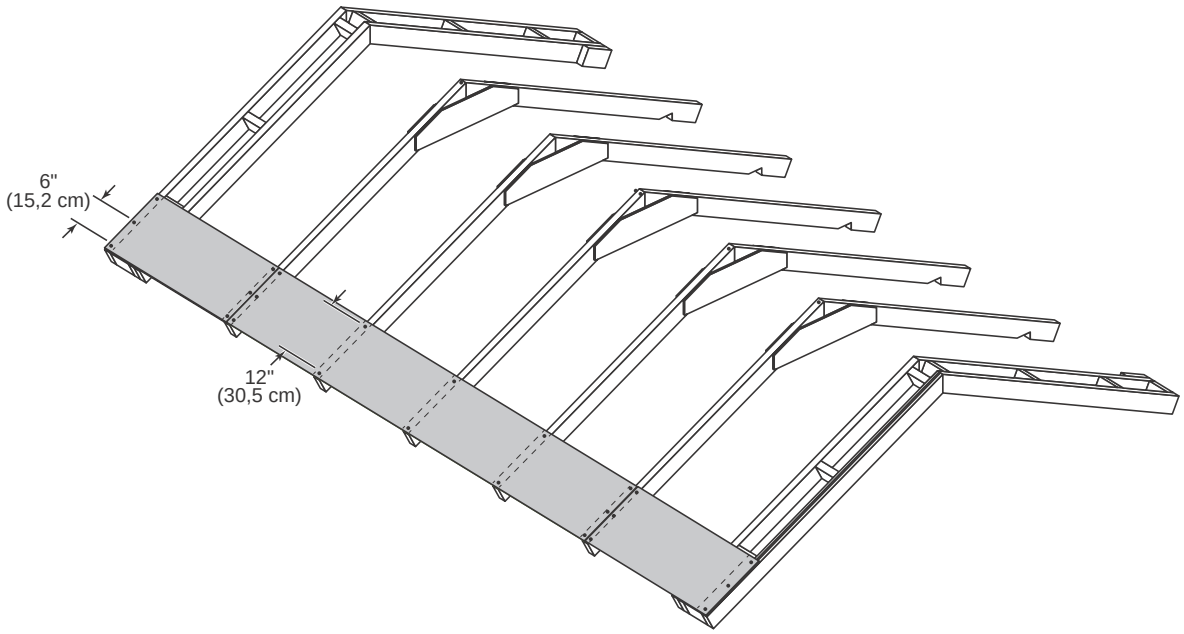


3 Attach another **27-1/4" x 32-5/8"** roof panel, rough side up, flush with the installed **27-1/4" x 96"** panel **(Fig. C)** and flush with the rafter ends **(Fig. B)**.

Secure panel with two 2" (5,1 cm) nails in the corners.

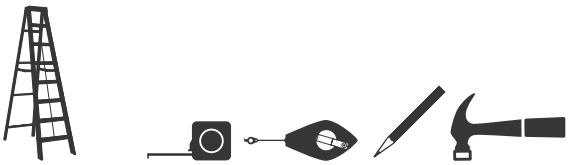


4 Nail the roof panel using 2" nails 6" apart on edges and 12" apart inside panel.



ROOF PANELS

PARTS REQUIRED:



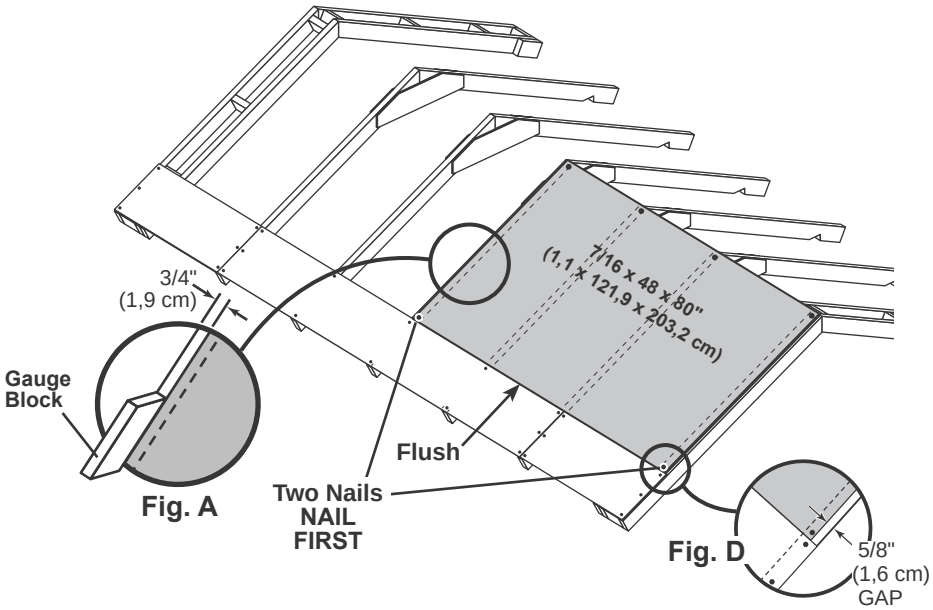
5 Place a **48" x 80"** upper roof panel with the rough side up and flush to lower panels.

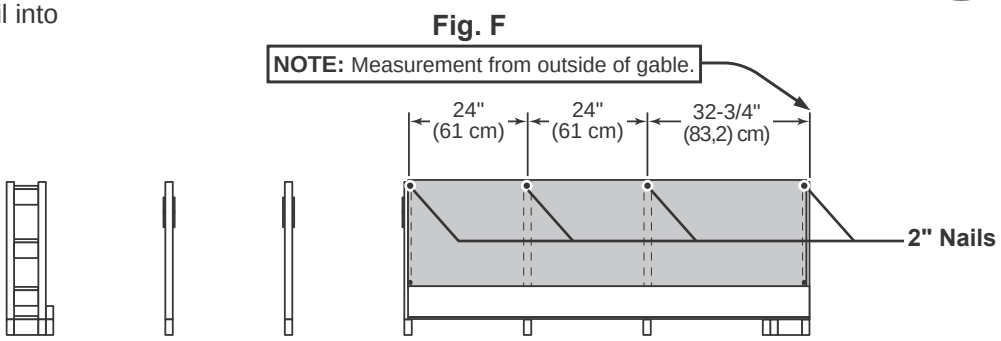
Ensure 5/8" gap at gable end overhang **(Fig.D)** and 3/4" measurement on the rafter **(Fig. A)**.

Secure the lower edge of roof panel using two 2" nails in corners as shown.

Move up to the top of the panel and keep spacing between the center of the rafters **(Fig. F)**.

Secure with one 2" nail into each rafter **(Fig. F)**.





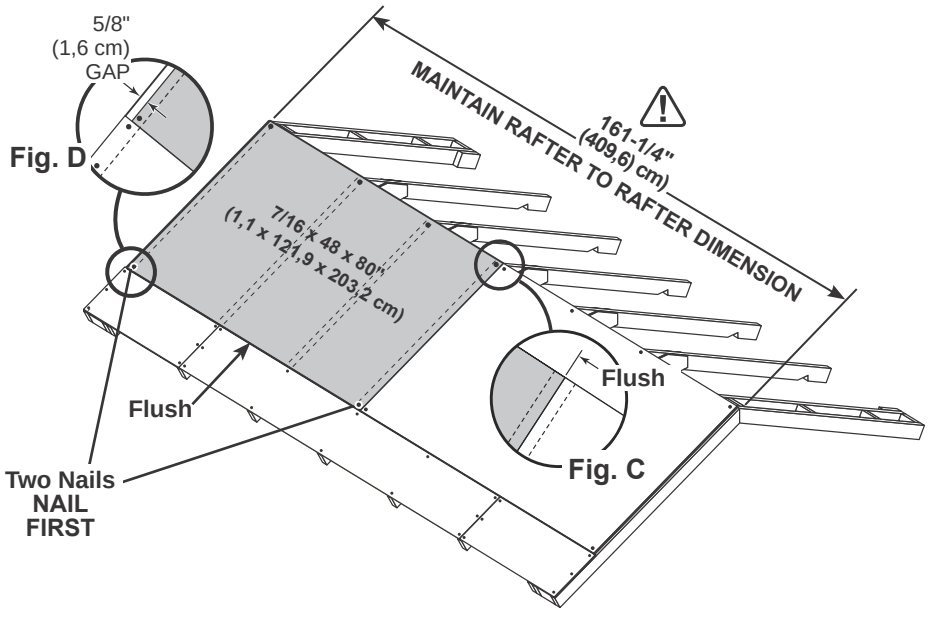
6 Place another **48" x 80"** upper roof panel, rough side up and flush with the installed **48" x 80"** panel **(Fig.C)**.

Ensure 5/8" gap at gable end overhang **(Fig.D)**.

Secure the lower edge of roof panel using two 2" nails in corners as shown.

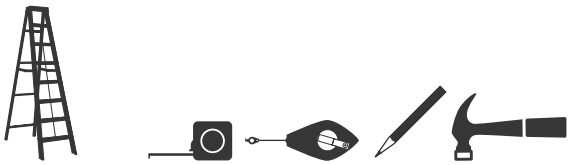
Move up to the top of the panel and keep spacing between the center of the rafters **(Fig. F)**.

Secure with one 2" nail into each rafter **(Fig. F)**.

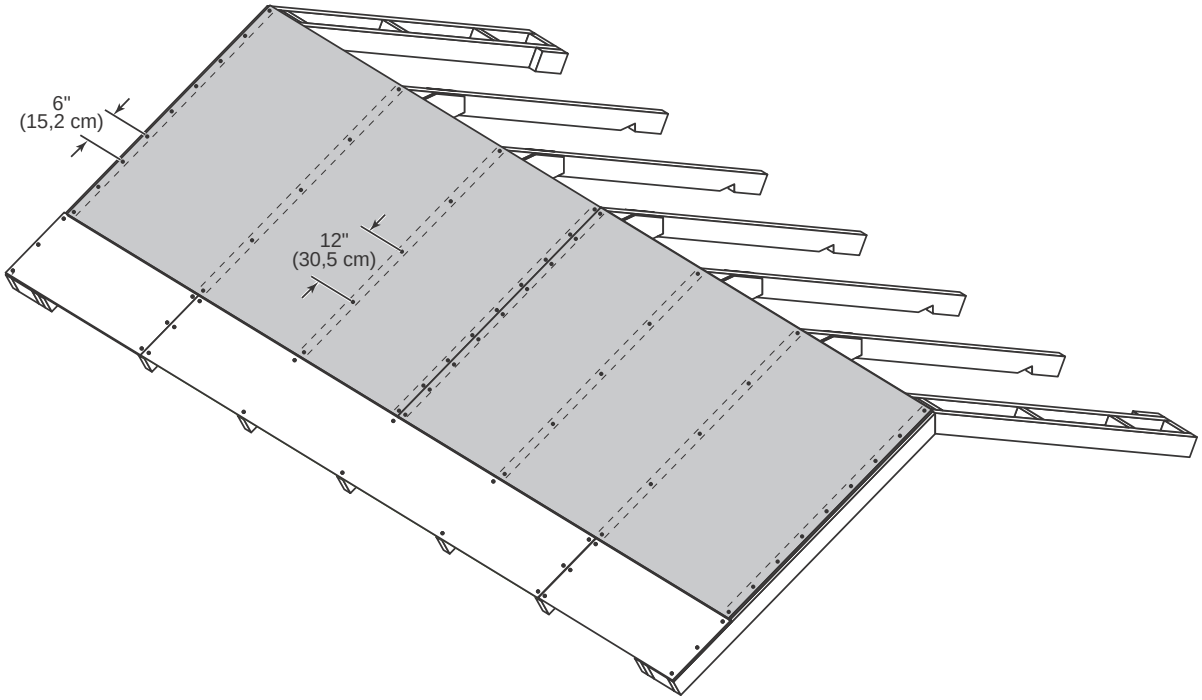


ROOF PANELS

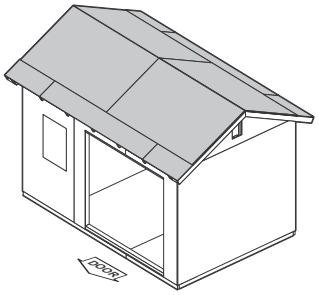
PARTS REQUIRED:



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



8 Repeat process to attach roof panels on the opposite side.



FINISH

9 You have finished installing your roof panels.

GABLE END SOFFITS

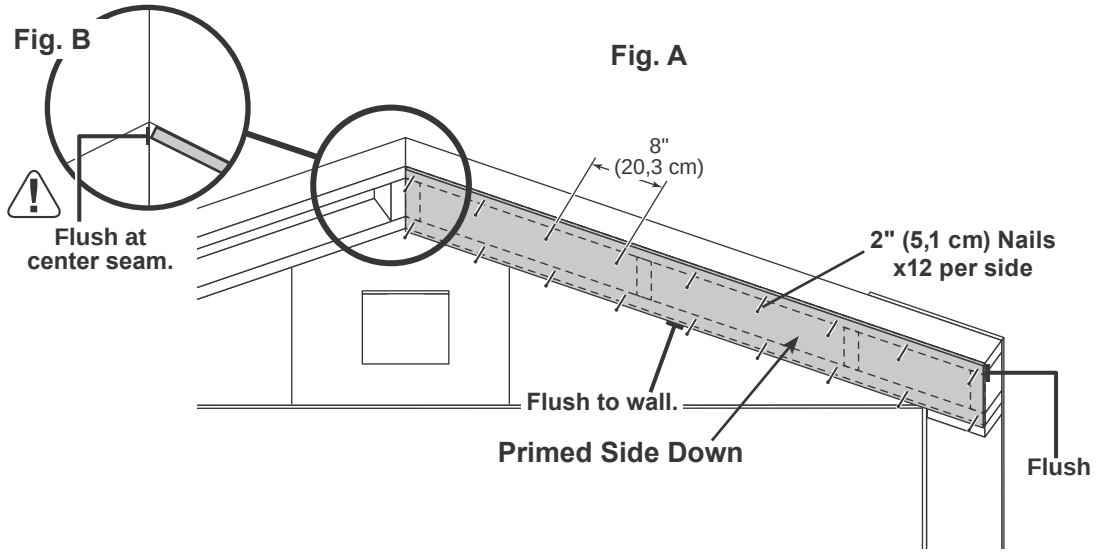
PARTS REQUIRED:

x72 2" (5,1 cm)

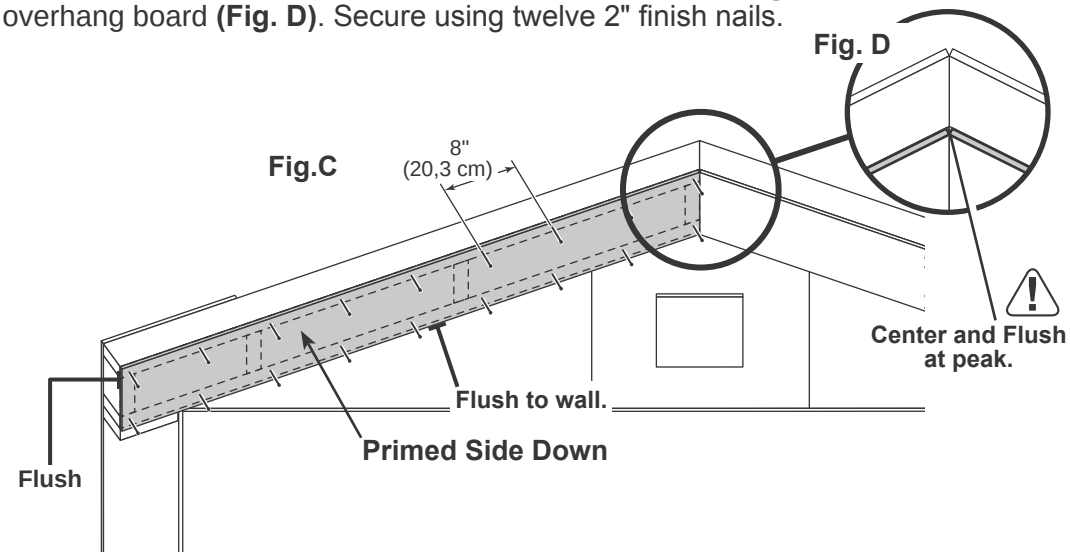
x4 3/8 x 7-7/8 x 73-5/16" (1 x 20 x 186,2 cm)

BEGIN **Ensure soffit boards are flush at seam (Fig. B) and flush at peak (Fig. D).**

1 Position right **73-5/16"** overhang board **Primed Side Down** flush to front wall **(Fig A)** and gable panel seam **(Fig B)**. Secure using twelve 2" finish nails.



2 Position left **73-5/16"** overhang board **Primed Side Down** flush to front wall **(Fig C)**, gable end and right overhang board **(Fig. D)**. Secure using twelve 2" finish nails.



3 Repeat **Steps 1-2** to attach soffit boards on the opposite side.

FINISH

4 You have finished installing your soffit panels.

EAVE SIDE SOFFITS

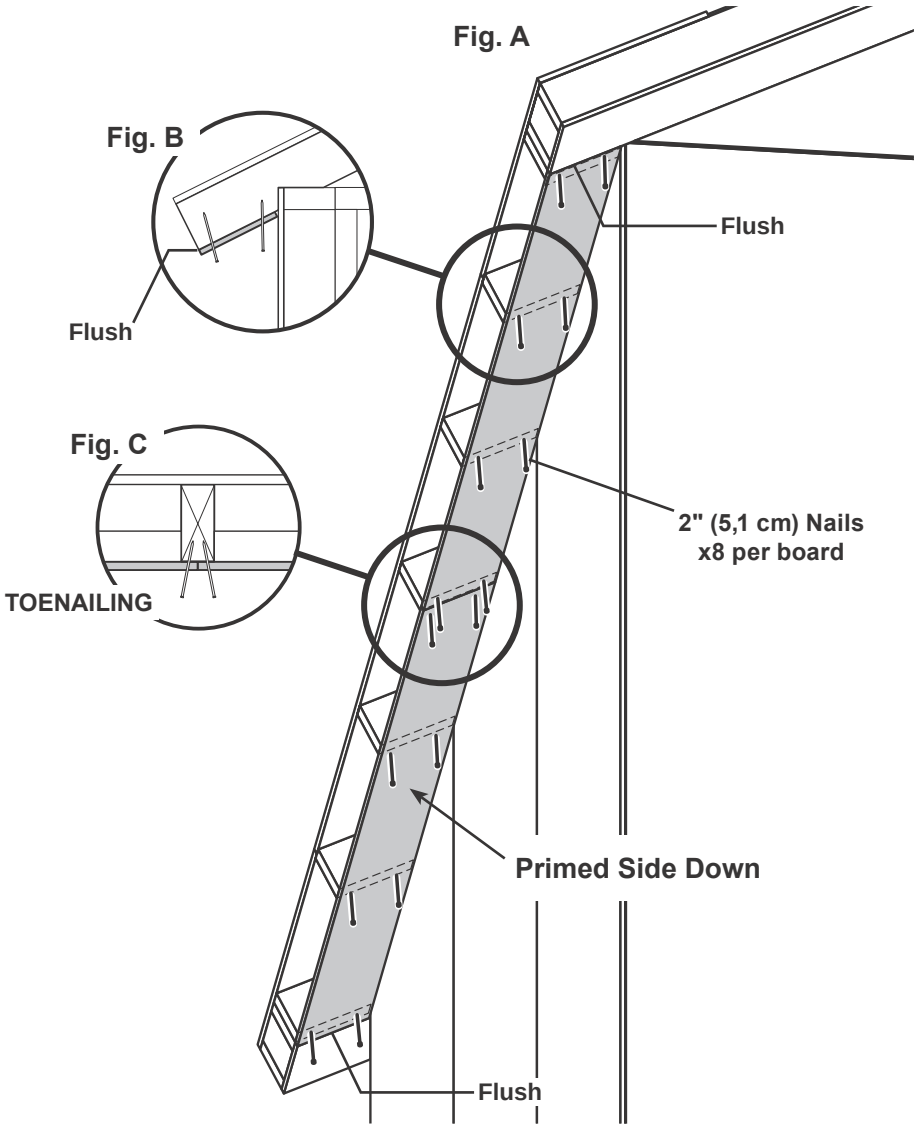
PARTS REQUIRED:

x32 2" (5,1 cm)

x4
3/8 x 5-7/8 x 72-3/4" (1 x 14,9 x 184,8 cm)

BEGIN **Ensure soffit boards are flush at rafter ends (Fig. B) and flush at seams**.

1 Position **72-3/4"** soffit boards **primed side down** flush to gable soffits and rafter ends **(Fig A)**. Toenail at center seam **(Fig. C)**. Secure using eight 2" finish nails, two in each rafter.



2 Repeat **Step 1** to attach eave side soffit boards on the opposite side.

FINISH

3 You have finished installing your eave side soffit panels.

GABLE FASCIA

PARTS REQUIRED:

x32 2" (5,1 cm)

x2 **Painted Red**
3/8 x 4-3/4 x 75-7/8" (1 x 12,1 x 192,7 cm)

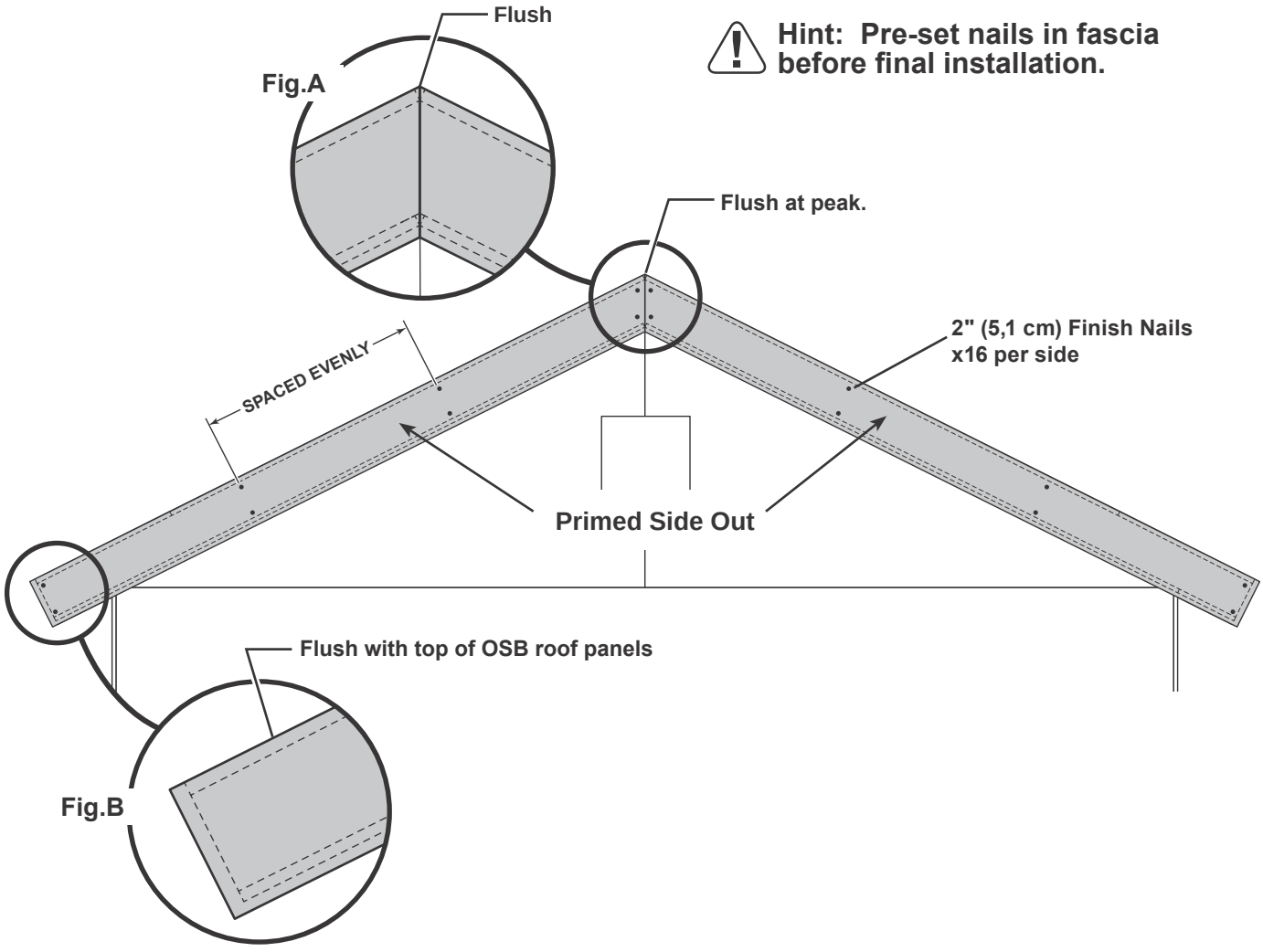
x2 **Painted Green**
3/8 x 4-3/4 x 75-7/8" (1 x 12,1 x 192,7 cm)

BEGIN

1 Position fascia with **primed side out** and flush to peak and roof panels as shown **(Fig. A, Fig B)**. Secure using 2" finish nails spaced evenly as shown.

2 Repeat **Step 1** on opposite side with other fascia.

Hint: Pre-set nails in fascia before final installation.



3 Repeat **Steps 1-2** to attach fascia boards on the other gable end.

FINISH

4 You have finished installing your gable fascia.

EAVE SIDE FASCIA

PARTS REQUIRED:

x32 2" (5,1 cm)

x4 3/8 x 4-3/4 x 80-5/8" (1 x 12,1 x 204,8 cm)

BEGIN

1 Position two **4-3/4" x 80-5/8"** fascia boards with **primed side out,** flush with roof panels and gable fascia as shown **(Fig. A)**. Secure using 2" finish nails into rafter ends.

2 Repeat **Step 1** on opposite eave.

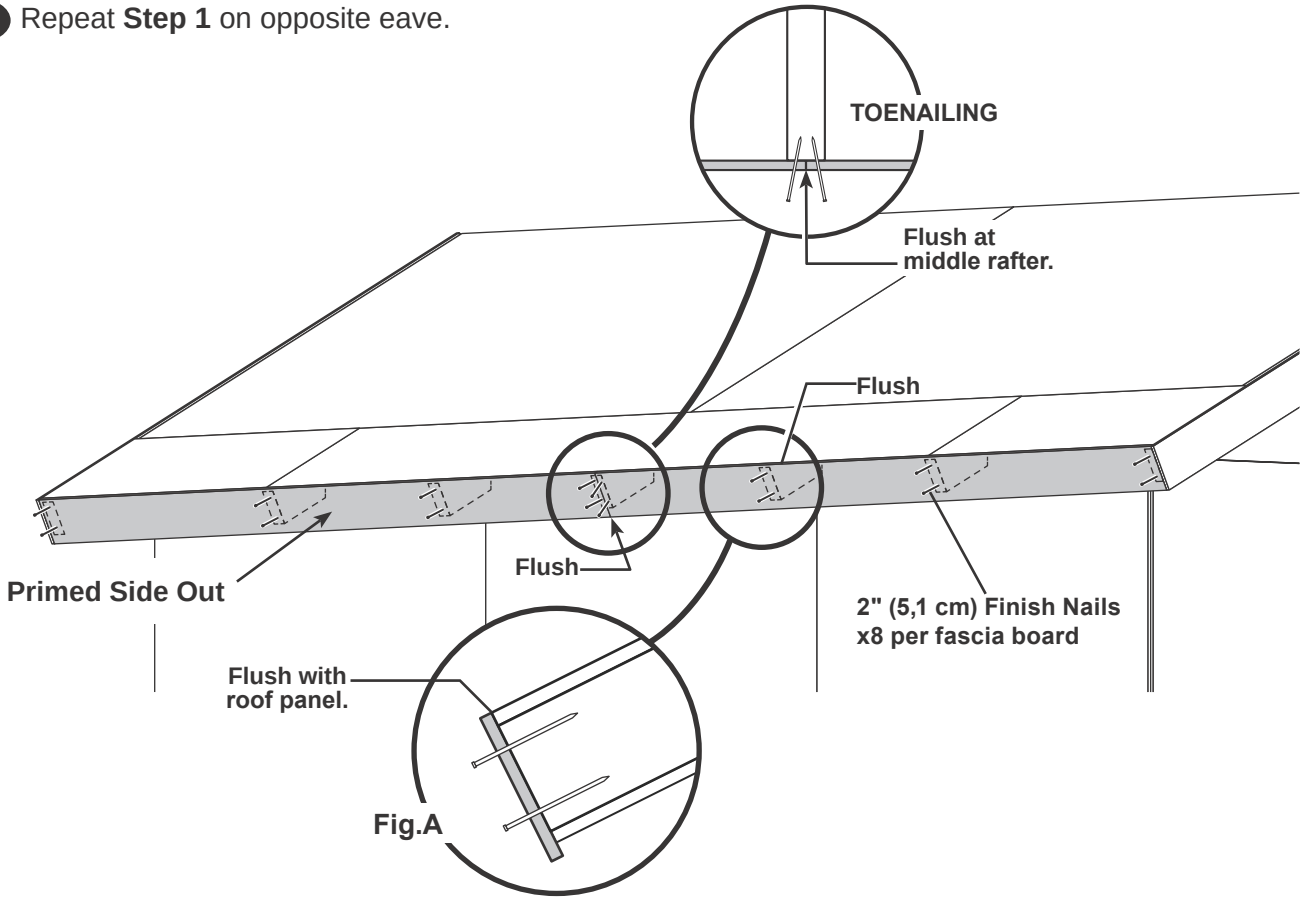


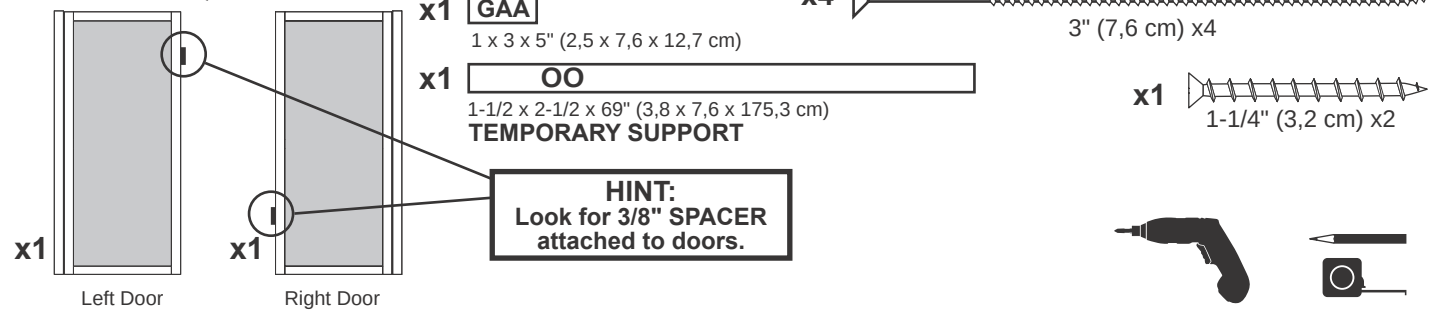
Fig.A

FINISH

3 You have finished installing your eave side fascia.

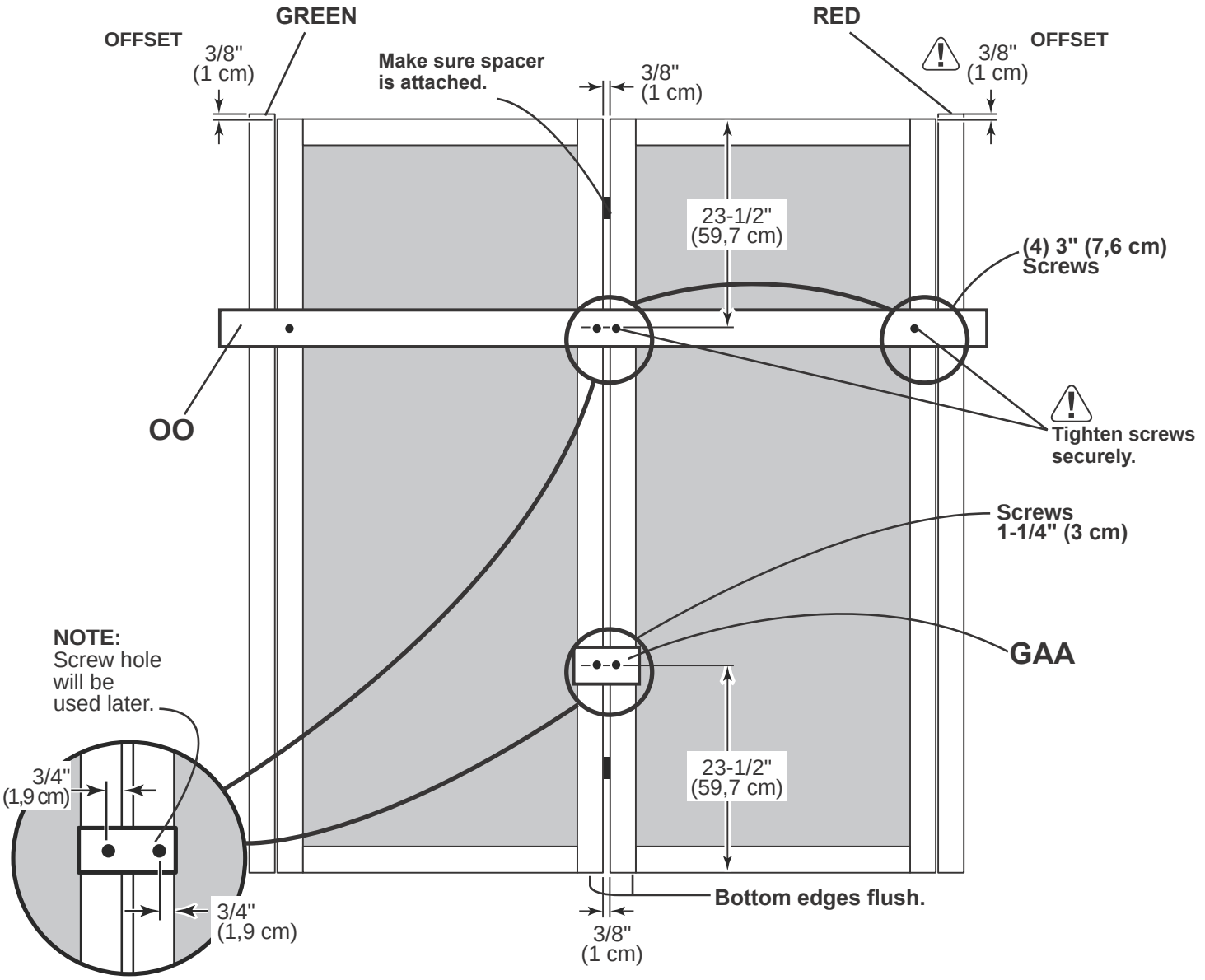
DOORS

PARTS REQUIRED:



BEGIN

1. Orient parts as shown on flat surface. ⚠ **3/8" offset is to top. Look for red (right) and green (left) on hinge board.**
2. Attach temporary support **OO** with 3" screws in middle and at ends as shown. Tighten securely.
3. Attach temporary support **GAA** with two 1-5/8" screws as shown. Tighten securely.

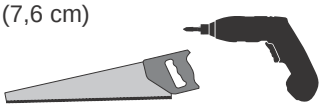


DOORS

PARTS REQUIRED:

x1 **OO**
1-1/2 x 2-1/2 x 69" (3,8 x 6,3 x 175,3 cm)

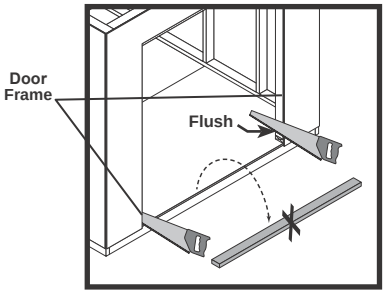
x13
3" (7,6 cm)



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

Carefully cut bottom wall frame 2 x 4 flush with door frame using a saw **(Fig. F)**.

⚠ ***Be careful not to cut into floor panel!***



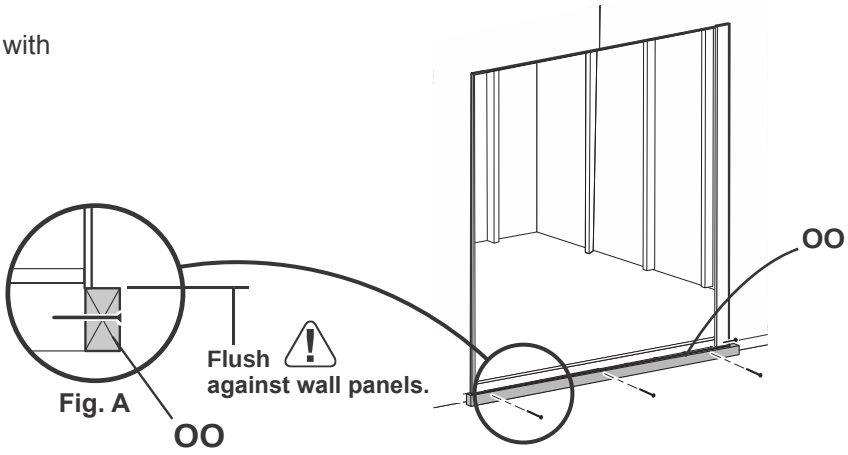


Fig. A

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

⚠ **Check ledger board is still flush under panels.**

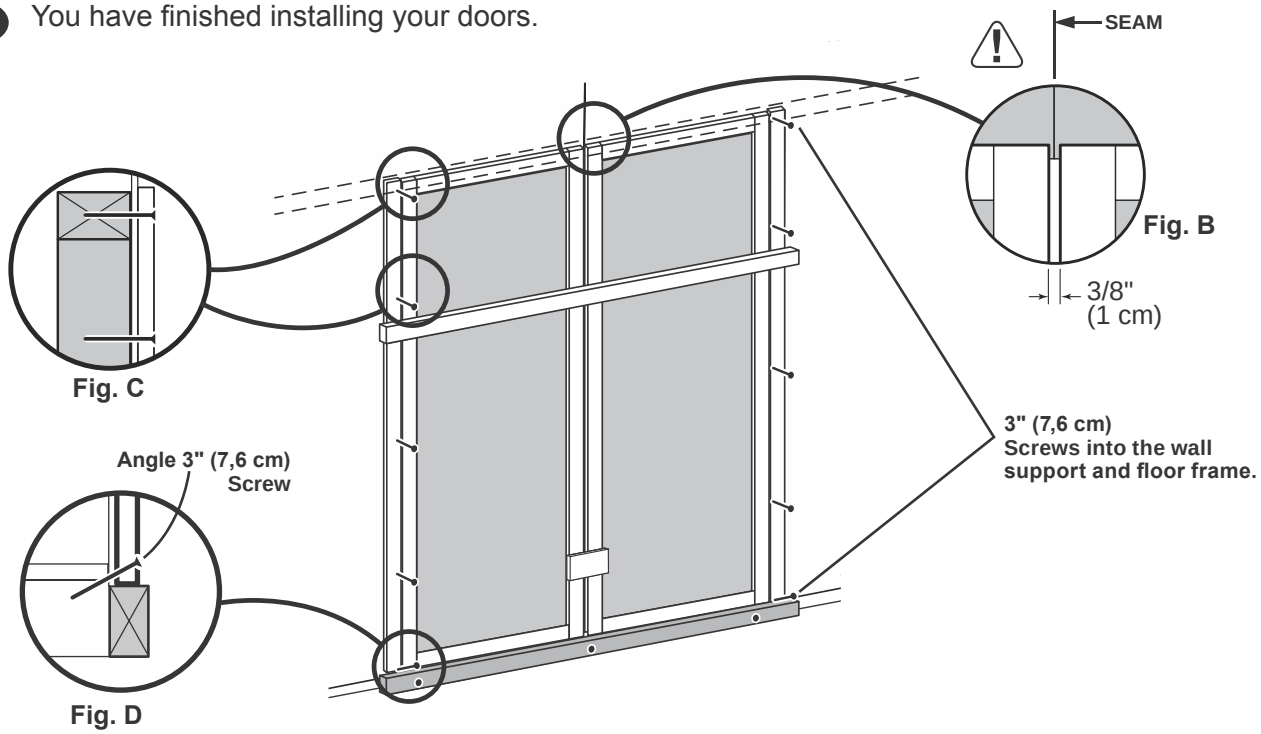
9 Screw hinge boards into wall supports and floor using ten 3" screws as shown.

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

10 Remove temporary supports and check doors open properly.

FINISH

11 You have finished installing your doors.



DOOR TRIM

PARTS REQUIRED:

x56 3/4" (1,9 cm)

x5 2" (5,1 cm)

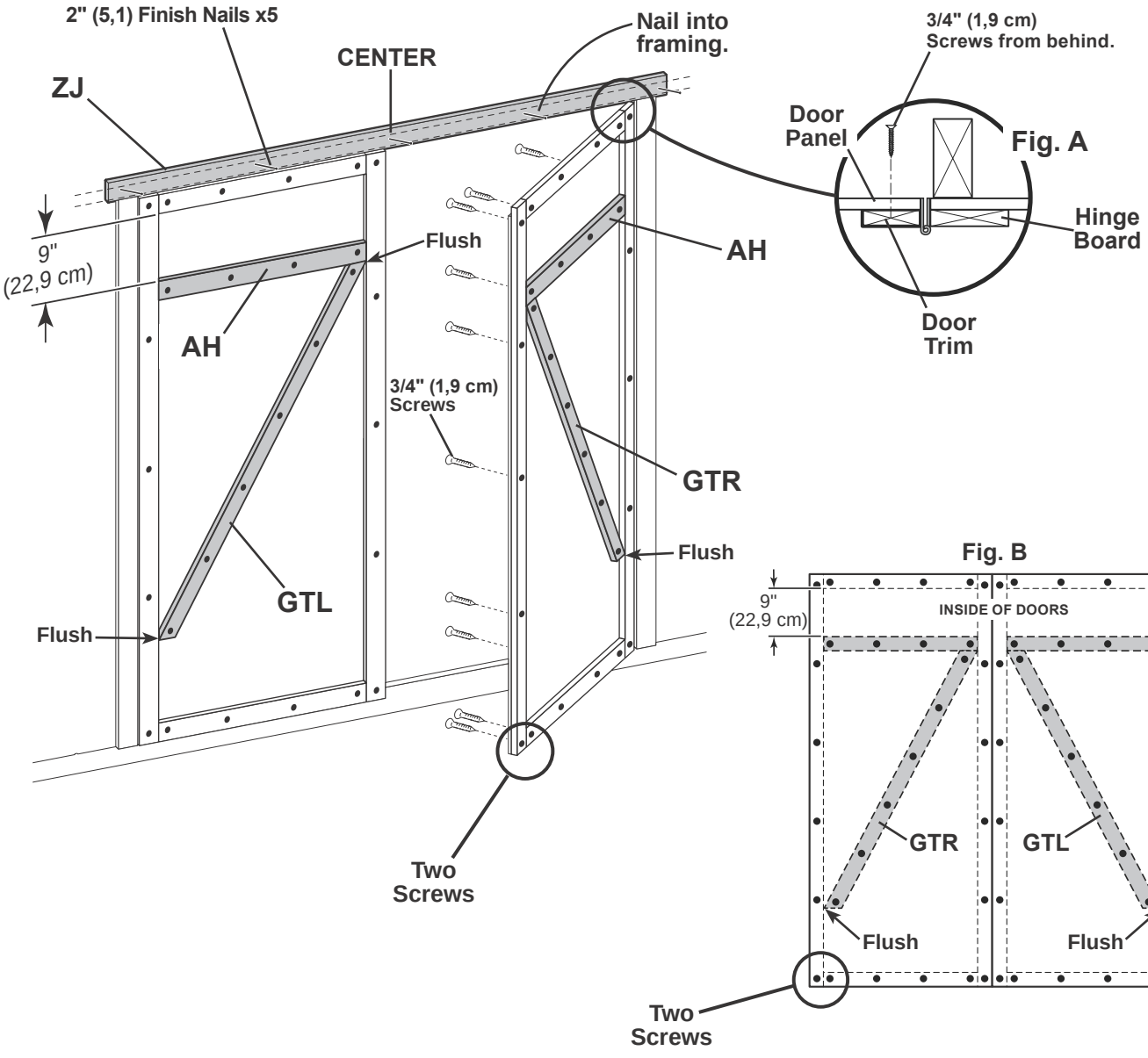
x2 AH 19/32 x 3 x 26-5/8" (1,5 x 7,6 x 67,6 cm)

x1 GTL 19/32 x 3 x 50-1/4" (1,5 x 7,6 x 127,6 cm)

x1 GTR 19/32 x 3 x 50-1/4" (1,5 x 7,6 x 127,6 cm)

BEGIN

1. Secure door trim from inside using 3/4" screws as shown **(Fig. A)**.
2. Attach upper horizontal door rails **AH** with four 3/4" screws from inside of doors.
3. Reinforce the door trim using 3/4" screws through door panel into trim **(Fig. A)**. Locate screws as shown **(Fig. B)**. Use two screws at seams.
4. Attach **GTL** and **GTR** flush to installed door trim with 3/4" screws from inside of doors **(Fig. B)**.
5. Center trim **ZJ** over doors and secure using five 2" nails into framing as shown.



DOOR TRIM

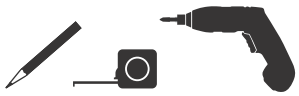
PARTS REQUIRED:

x2 **AH**
19/32 x 3 x 26-5/8" (1,5 x 7,6 x 67,6 cm)

3/4" (1,9 cm) **x11**
Bagged separately / special coating

x8 3/4" (1,9 cm)

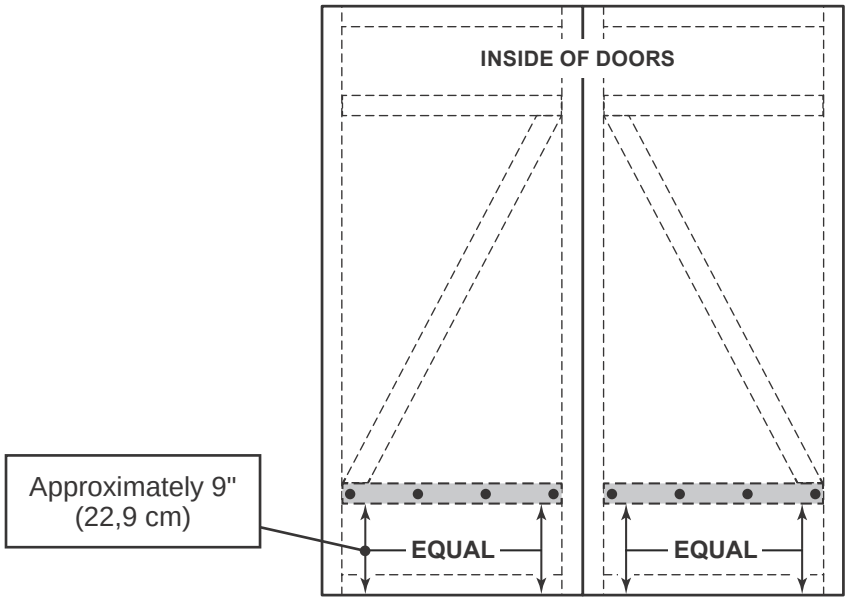
x1
64" Metal Threshold



6 Position horizontal door rails **AH** onto outside of doors. Measure, mark and hold.

7 Secure **AH** using 3/4" screws from inside **(Fig C)**.

Fig. C



8 Center metal threshold between doors and secure using eleven 3/4" special coating screws into floor as shown **(Fig. D**).

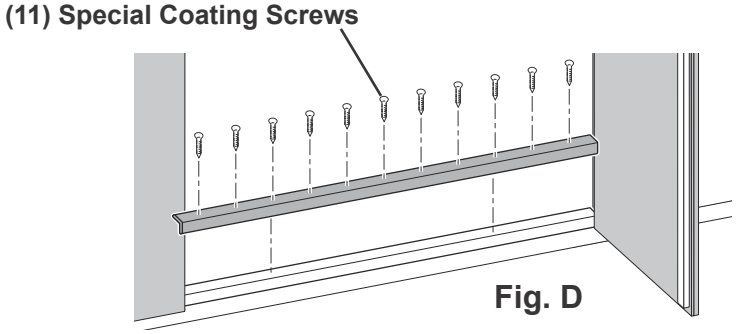


Fig. D

FINISH

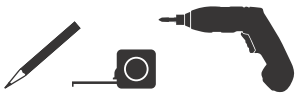
9 You have finished attaching your door trim and threshold.

DOOR STIFFENERS

PARTS REQUIRED:

x2 **OO**
1-1/2 x 2-1/2 x 69" (3,8 x 6,3 x 175,3 cm)

x10
2" (5,1 cm)



BEGIN

1. Center **OO** vertically on the left door in the door opening flush with the edge of door **(Fig. A**).

2. Secure using (5) 2" screws through outside trim into **OO (Fig. B)**

3. Repeat **Steps 1-2** to install **OO** on right door.

FINISH

4. You have finished installing your door stiffeners.

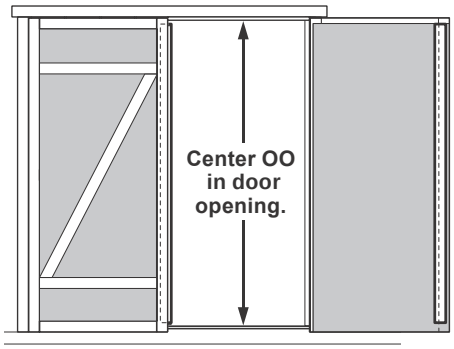
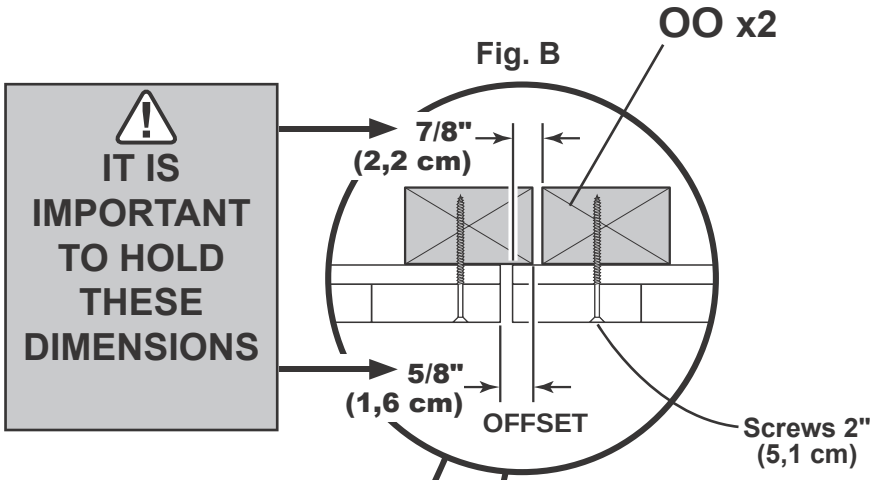
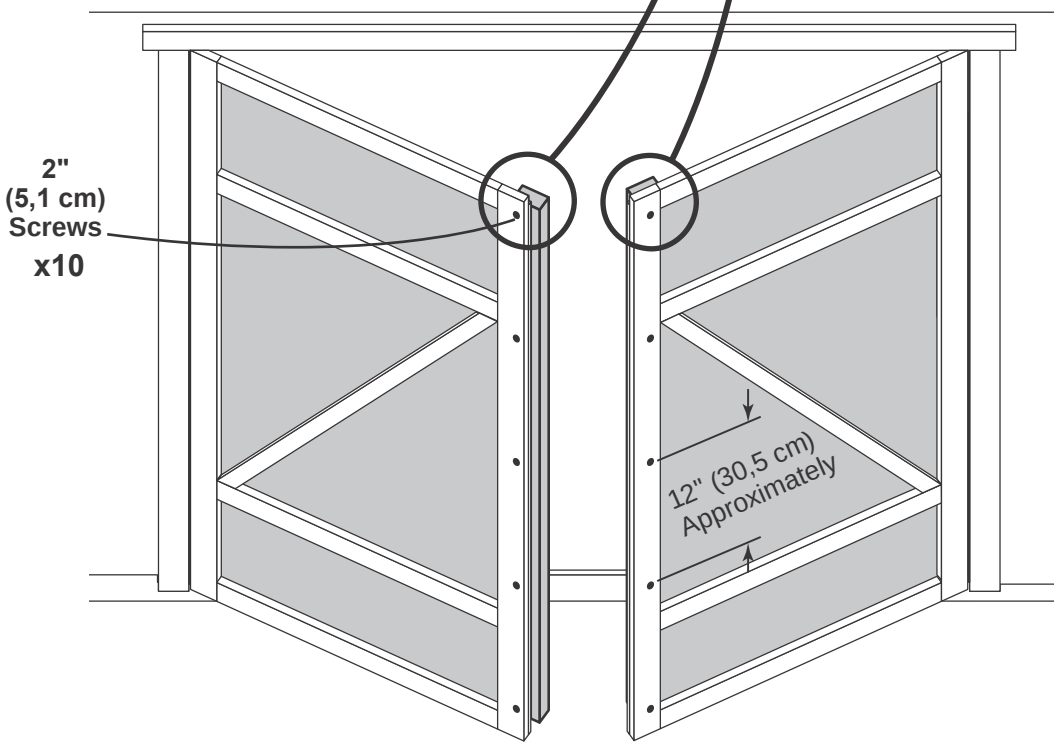


Fig. A





DOOR HARDWARE

PARTS REQUIRED:

1/2" (13 mm) Drill Bit

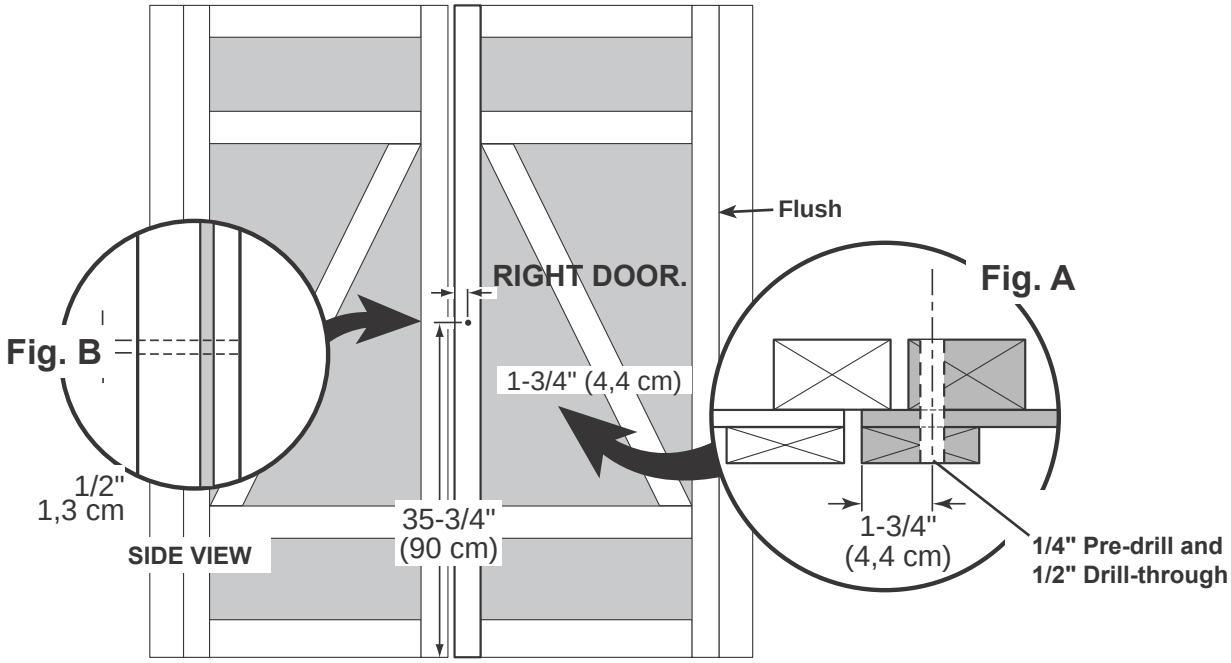
1/4" (6 mm) Drill Bit

BEGIN

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

2 Re-drill hole with 1/2" drill **(Fig. B)**.

⚠ Keep drilled hole square to trim to avoid breaking edge of 1-1/2" x 2-1/2" door stiffener.



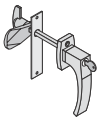
FINISH

3 You have finished preparing your door for door handle.

DOOR HARDWARE

PARTS REQUIRED:

Handle (locking) with Screws

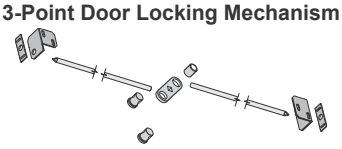


1-1/4" x2

1-1/4" x2

☐ x1

3-Point Door Locking Mechanism



1-1/4" x8

3/4" Tech Screw with drill point

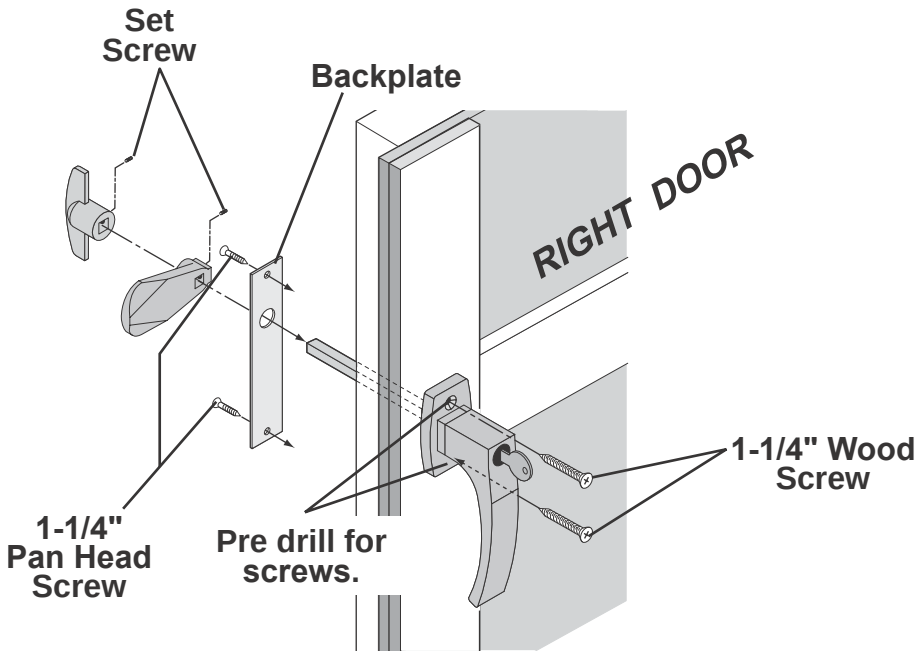
x4

☐ x1

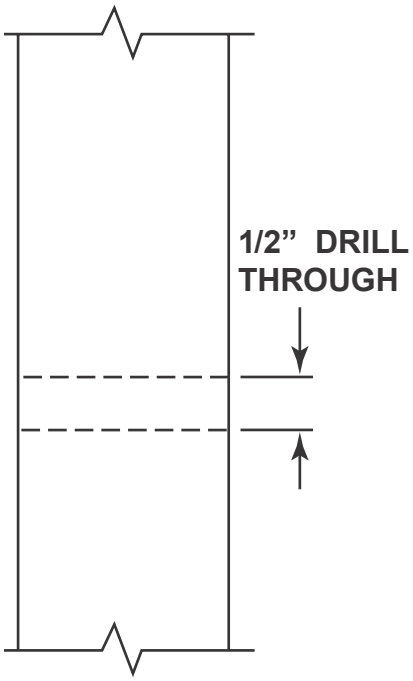
1/2" (13 mm) Drill Bit

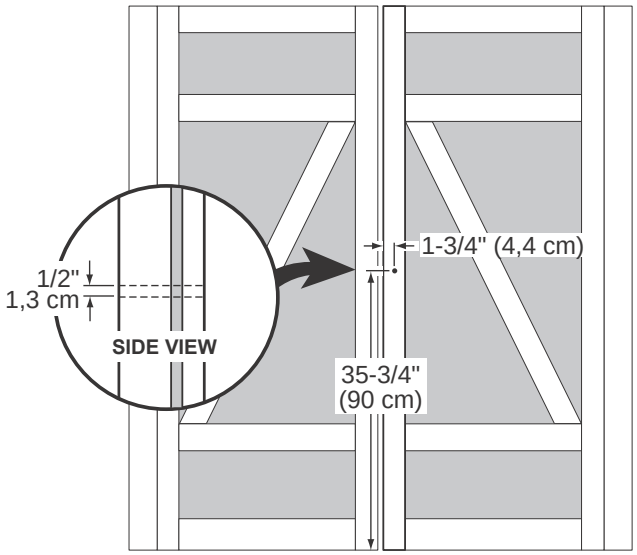
1/4" (6 mm) Drill Bit

Secure backplate with 1" screws and handle with 1-1/4" screws as shown.



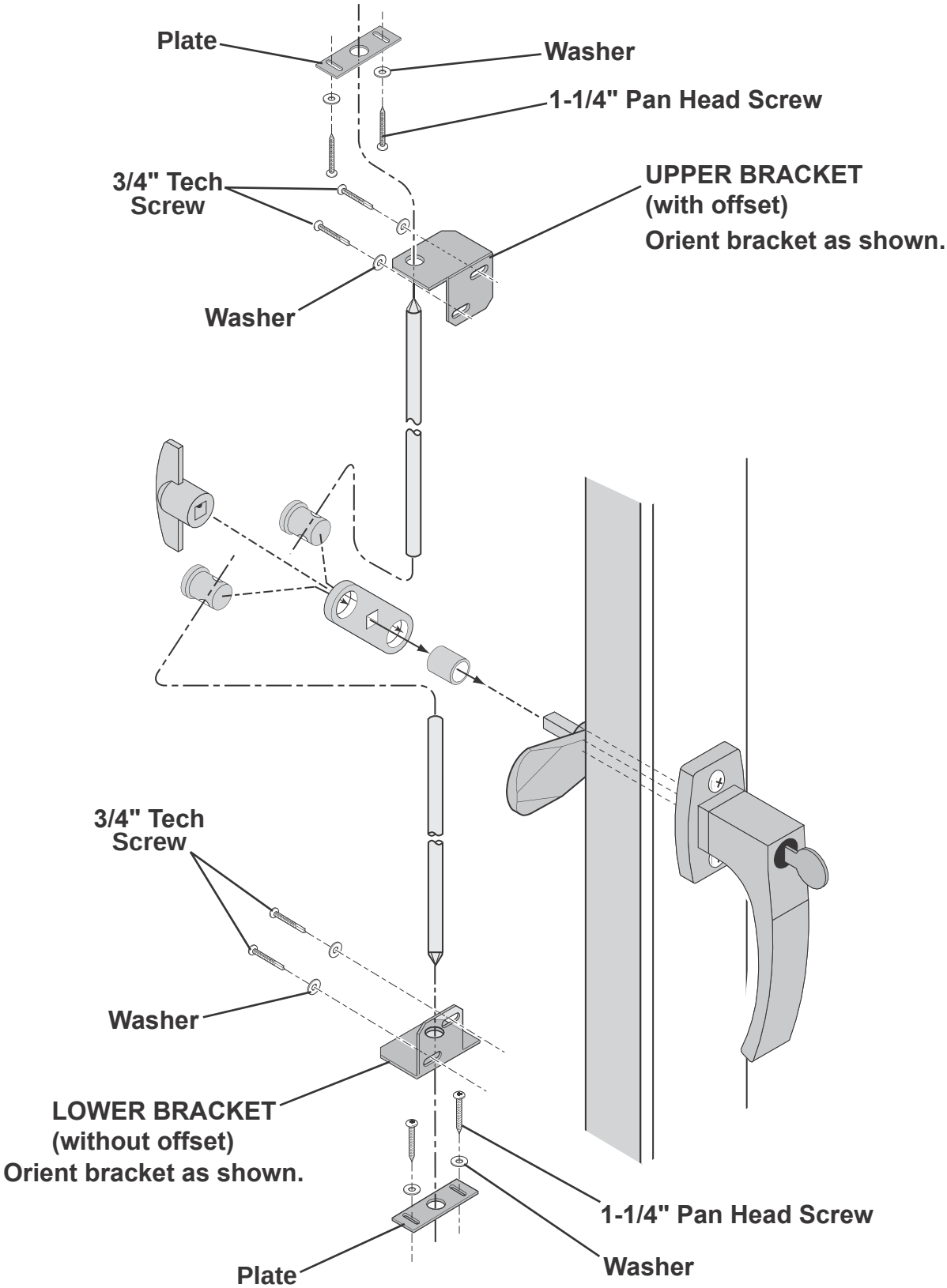
RIGHT DOOR



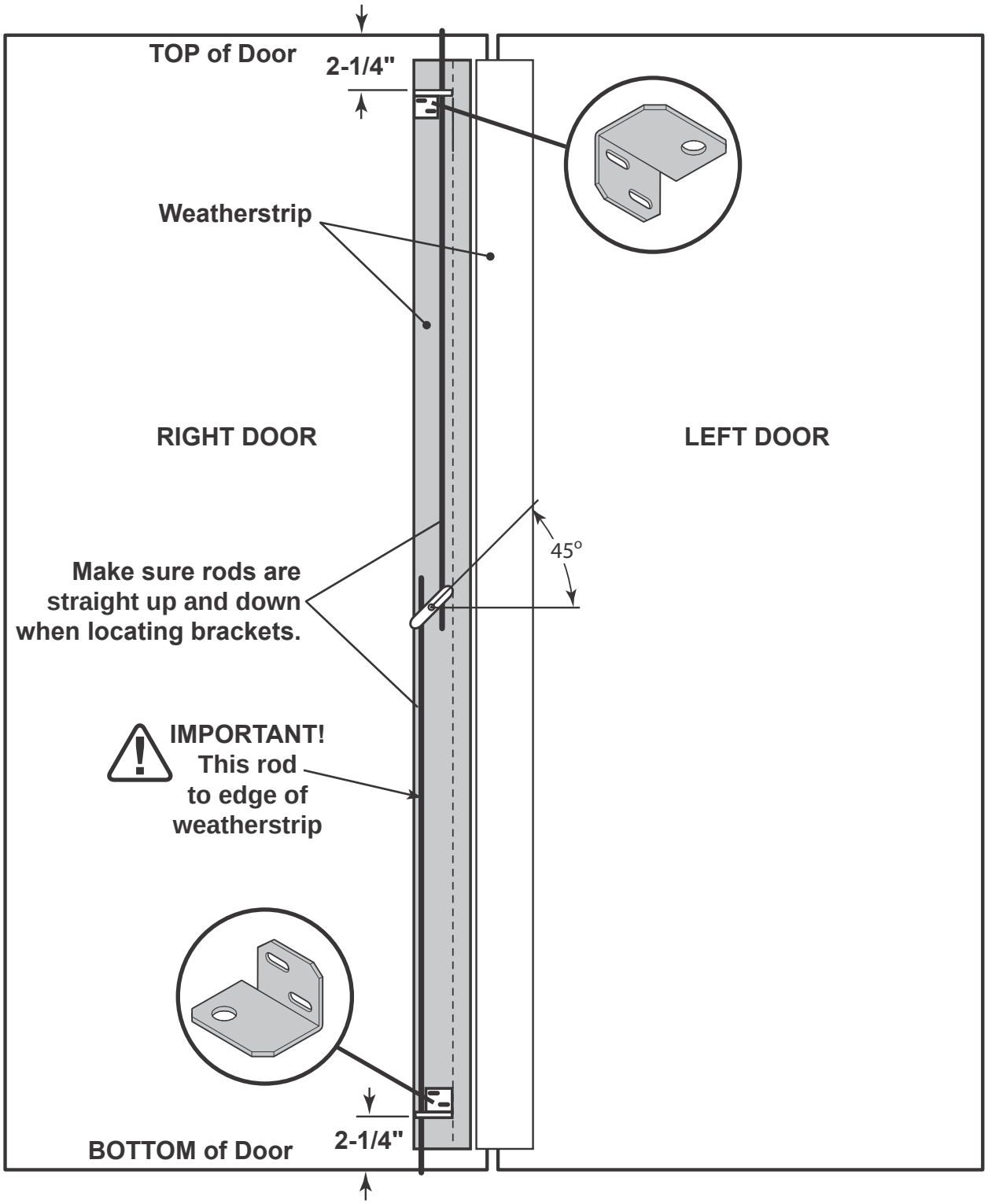


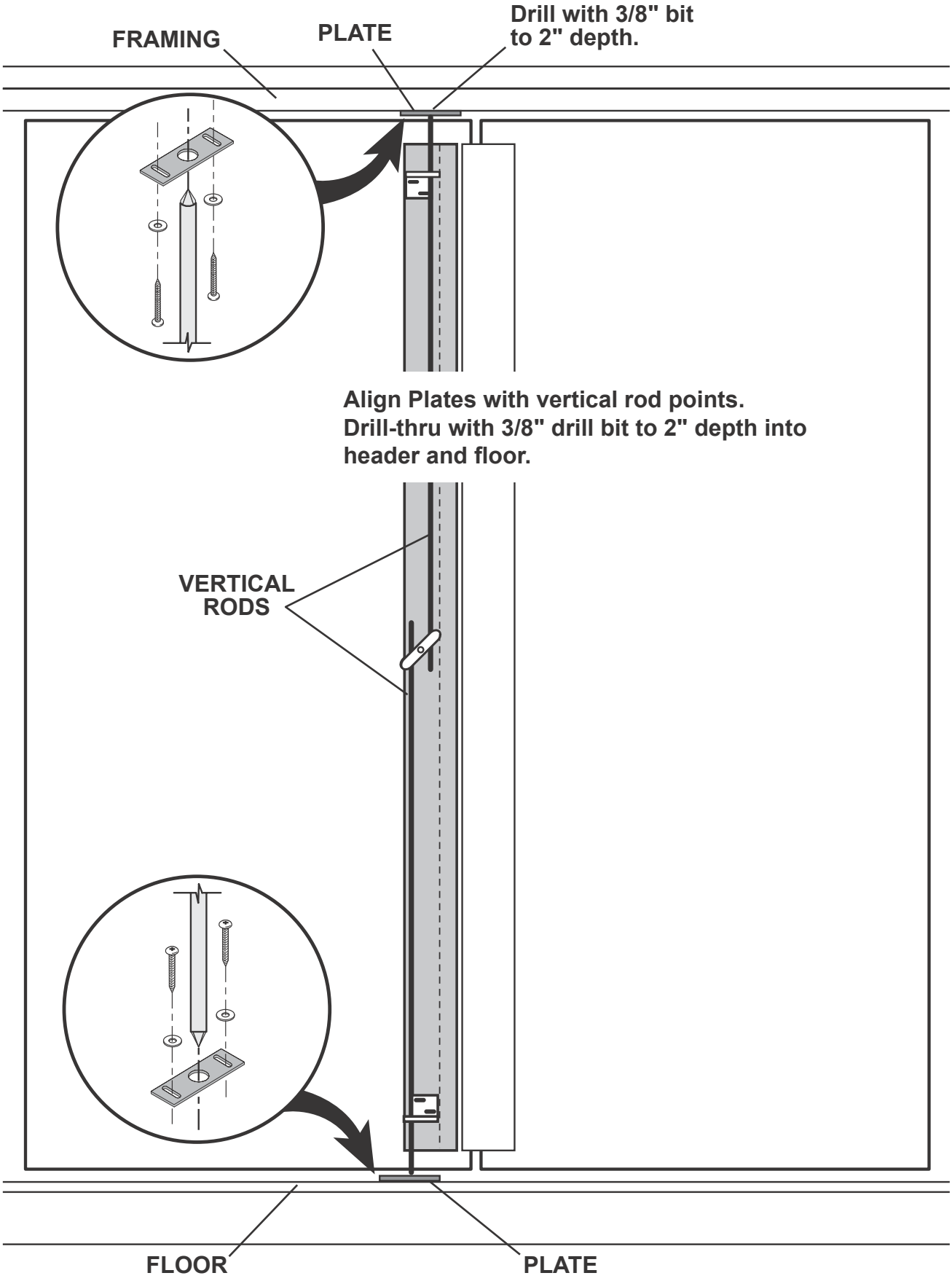
DOOR HARDWARE

See following pages for mounting locations of brackets and plates.



DOOR HARDWARE




FRAMING
PLATE
Drill with 3/8" bit
to 2" depth.
Align Plates with vertical rod points.
Drill-thru with 3/8" drill bit to 2" depth into
header and floor.
VERTICAL
RODS
FLOOR
PLATE

CORNER TRIM

PARTS REQUIRED:

x4 3/8 x 1-3/4 x 82-1/2" (1 x 4,4 x 209,6 cm)

x4 3/8 x 1-3/4 x 81-7/8" (1 x 4,4 x 208 cm)

x48 2" (5,1 cm)

BEGIN

1 Attach one **81-7/8"** trim board flush under soffit panel and against eave wall **(Fig. A, B)** using one 2" finish nail at top as shown.

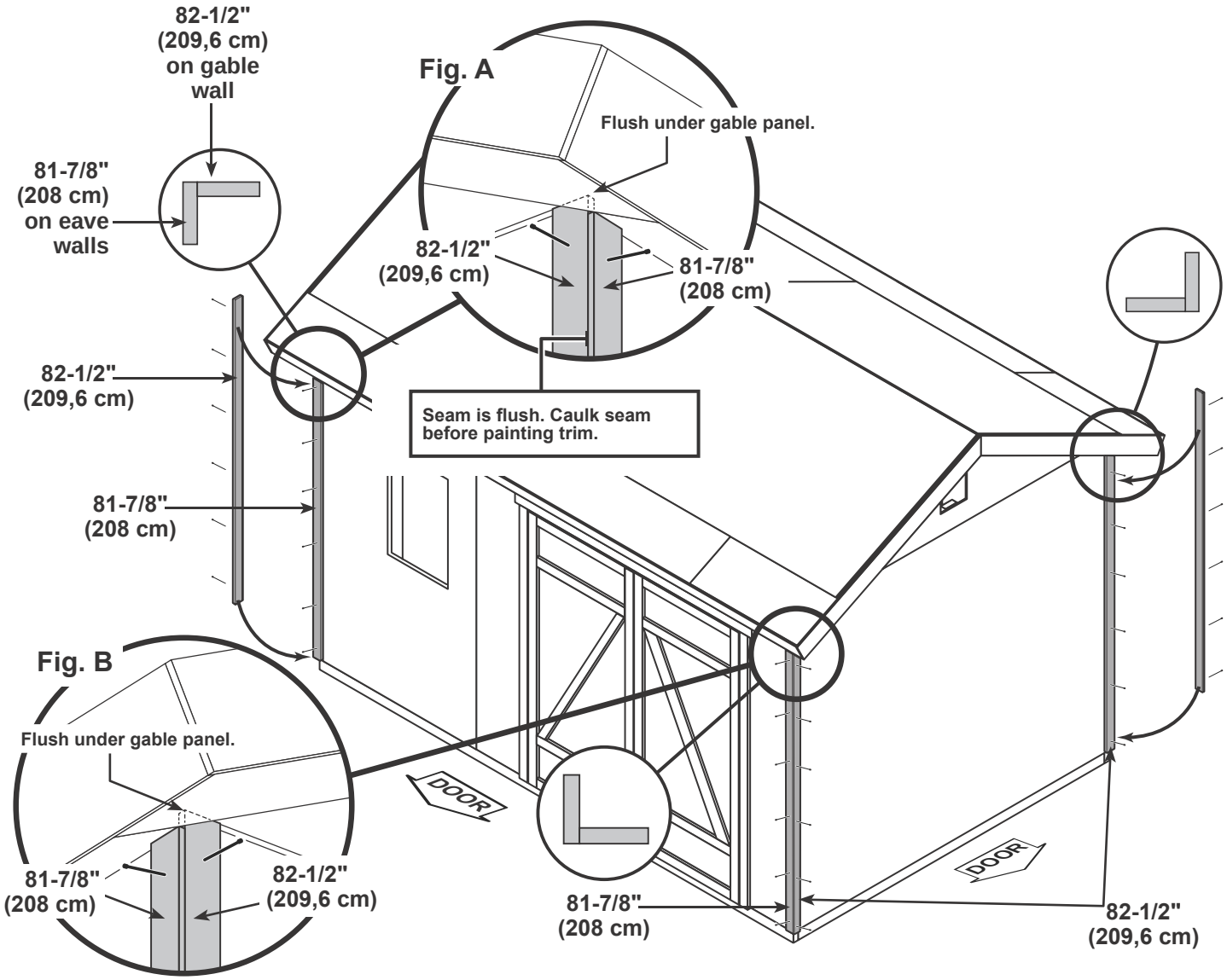
2 Position **82-1/2"** trim board flush along edge of **81-7/8"** trim board and flush under gable panel **(Fig. A, B)**. Secure using one 2" finish nail at top as shown.

Finish attaching trim flush to corners **(Fig. B)** using six 2" (5,1 cm) finish nails as shown.

3 Repeat **Steps 1-2** to attach trim to all four corners.

FINISH

4 You have attached your corner trim.

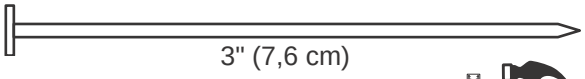


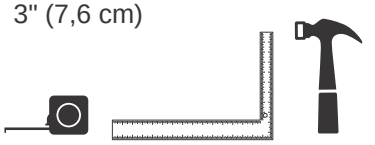
LOFT

PARTS REQUIRED:

x2 **RL**
2 x 4 x 23-7/8" (5,1 x 10,2 x 60,6 cm)

x2 **TP**
2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

x38

3" (7,6 cm)

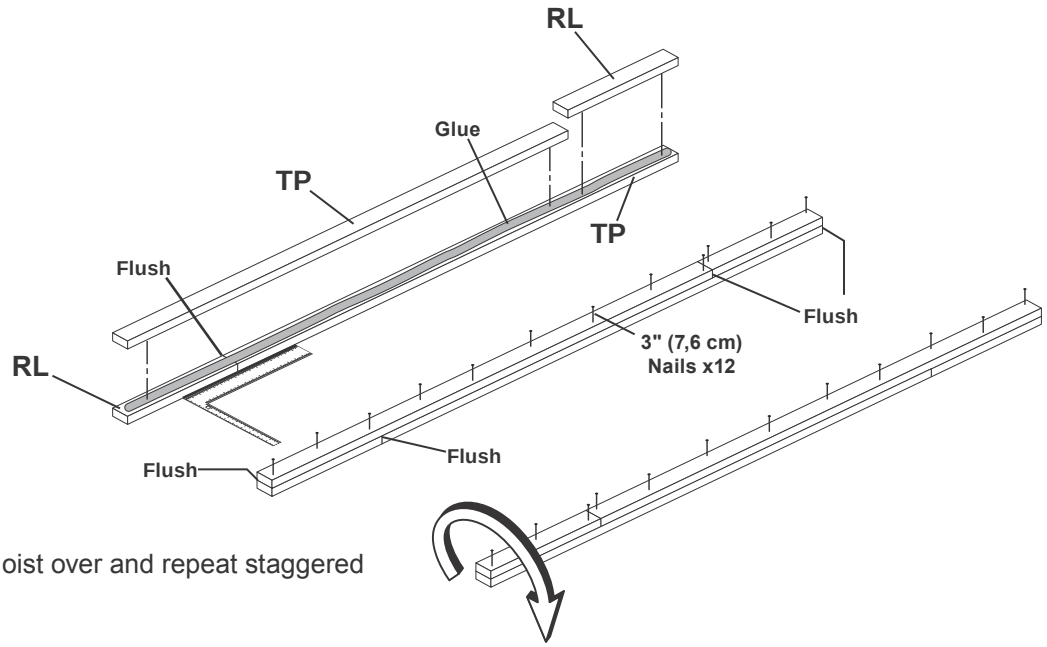


NOTE: Build the loft, shelf and work bench on the gable wall farthest from the door location.

✓BEGIN

1 Orient parts **TP** and **RL** on a flat surface. Spread glue across **RL** and **TP** as shown. Hold parts **TP** and **RL** flush and aligned.

2 Assemble joist with 3" nails in a staggered pattern.



3 Turn assembled joist over and repeat staggered nail pattern.

4 Support and drill a 7/16" hole through each end of joist **(Fig. A)**.

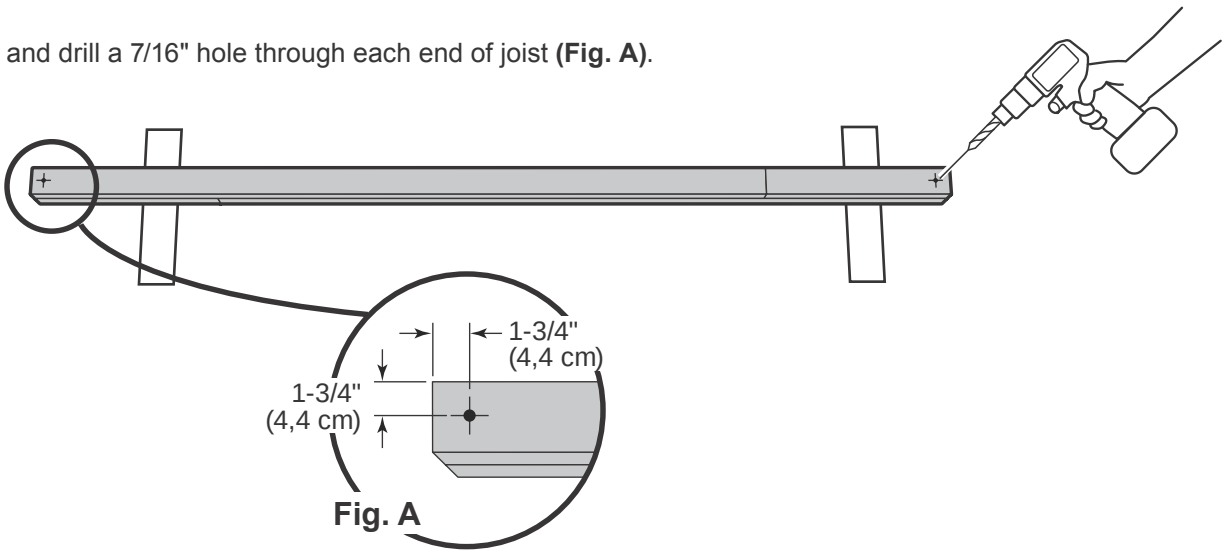


Fig. A

LOFT

PARTS REQUIRED:

x1 **RL**
2 x 4 x 23-7/8" (5,1 x 10,2 x 60,6 cm)

x1 **TP**
2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

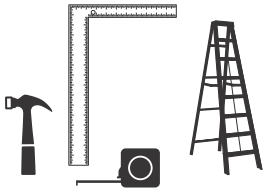
x1 **Pre-Assembled Loft Joist**
2 x 4 x 119-7/8" (5,1 x 10,2 x 304,5 cm)

x14 3" (7,6 cm)

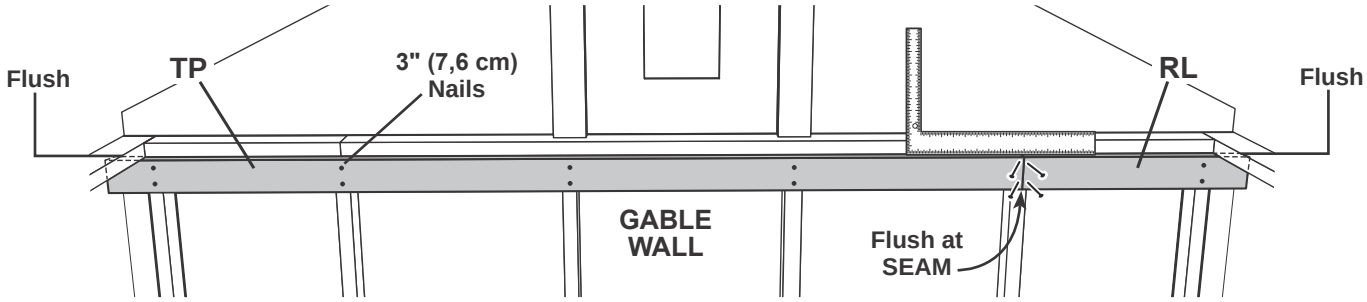
x2 (NOT ACTUAL SIZE) 3/8" x5-1/2" (1 cm x 14 cm) **Hex Bolt**

x4 3/8" (1 cm) **Flat Washer**

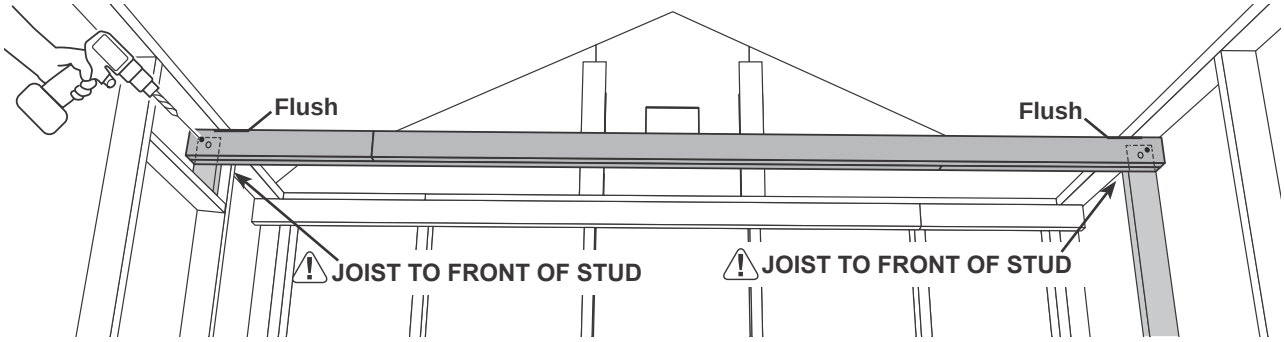
x2 3/8" (1 cm) **Lock Nut**



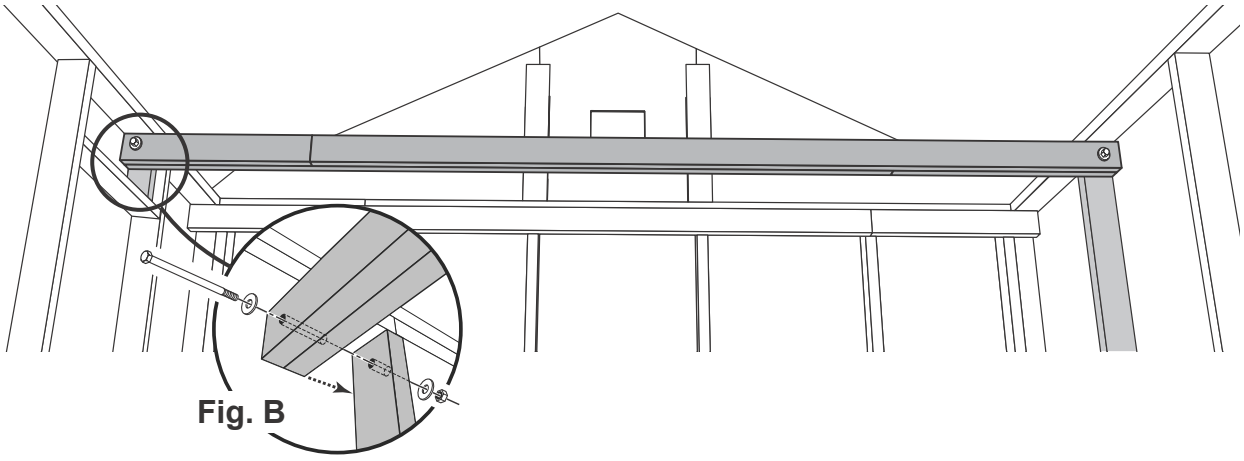
5 Locate **TP** and **RL** flush to bottom of top plate and aligned at seam. Secure with 3" (7,6 cm) nails at wall studs and seam.



6 Clamp or hold **Pre-Assembled Loft Joist** in place flush under top plate as shown. Drill through joist and wall studs with 7/16" drill bit as shown.



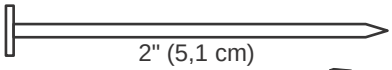
7 Secure joist with hex bolts, flat washers and lock nuts at both sides **(Fig. B)**. Tighten lock nuts securely.



LOFT

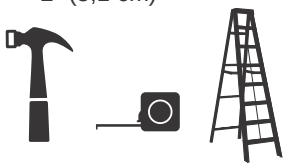
PARTS REQUIRED:

x24

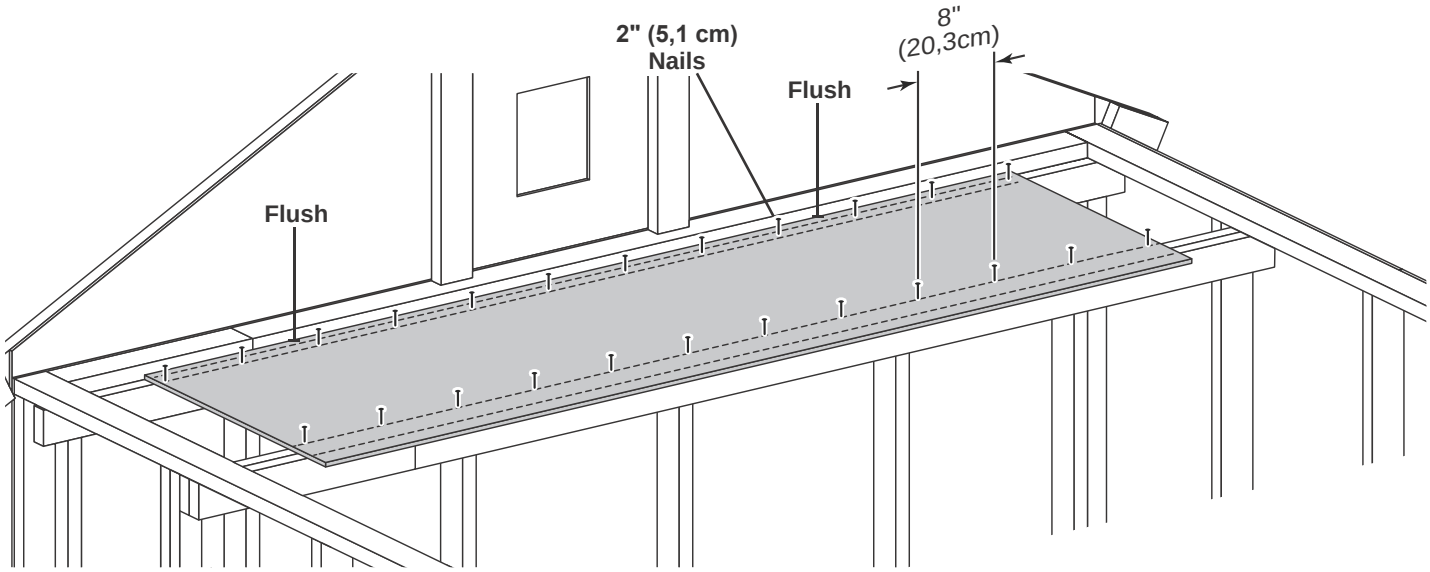


x1

23-7/8" x 96" (60,6 x 243,8cm)



8 Install loft panel centered over loft joists. Secure with 2" (5,1 cm) nails 8" (20,3 cm) apart. There will be a gap of approximately 8-1/2" on either side.



Attention:
Load not to exceed
400 lbs (181 kg) evenly
distributed across loft.

FINISH

9 You have finished installing your Loft.

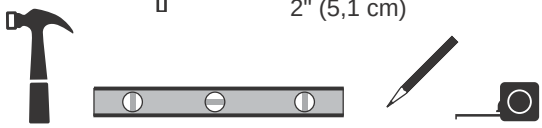
SHELVING

PARTS REQUIRED:

x6 AE
2 x 3 x10-1/8" (5,1 x 7,6 x 25,7 cm)

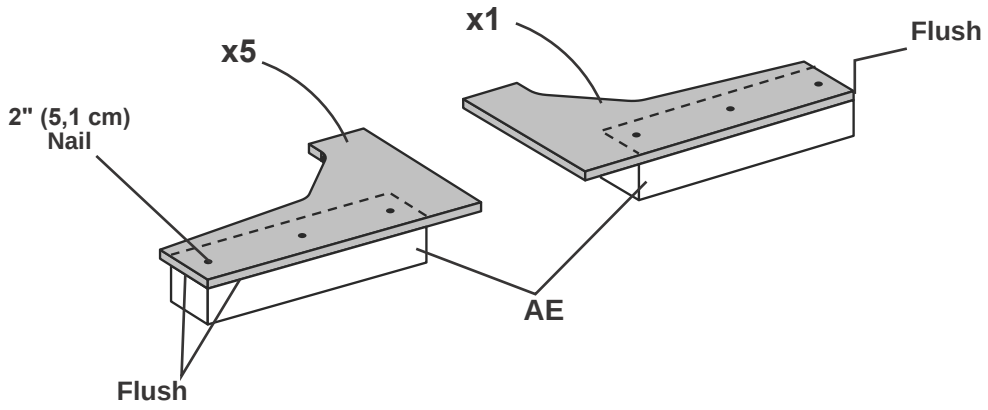
x6
3/8 x 8 x 12-1/2" (1 x 20,3 x 31,8 cm)

x36
2" (5,1 cm)

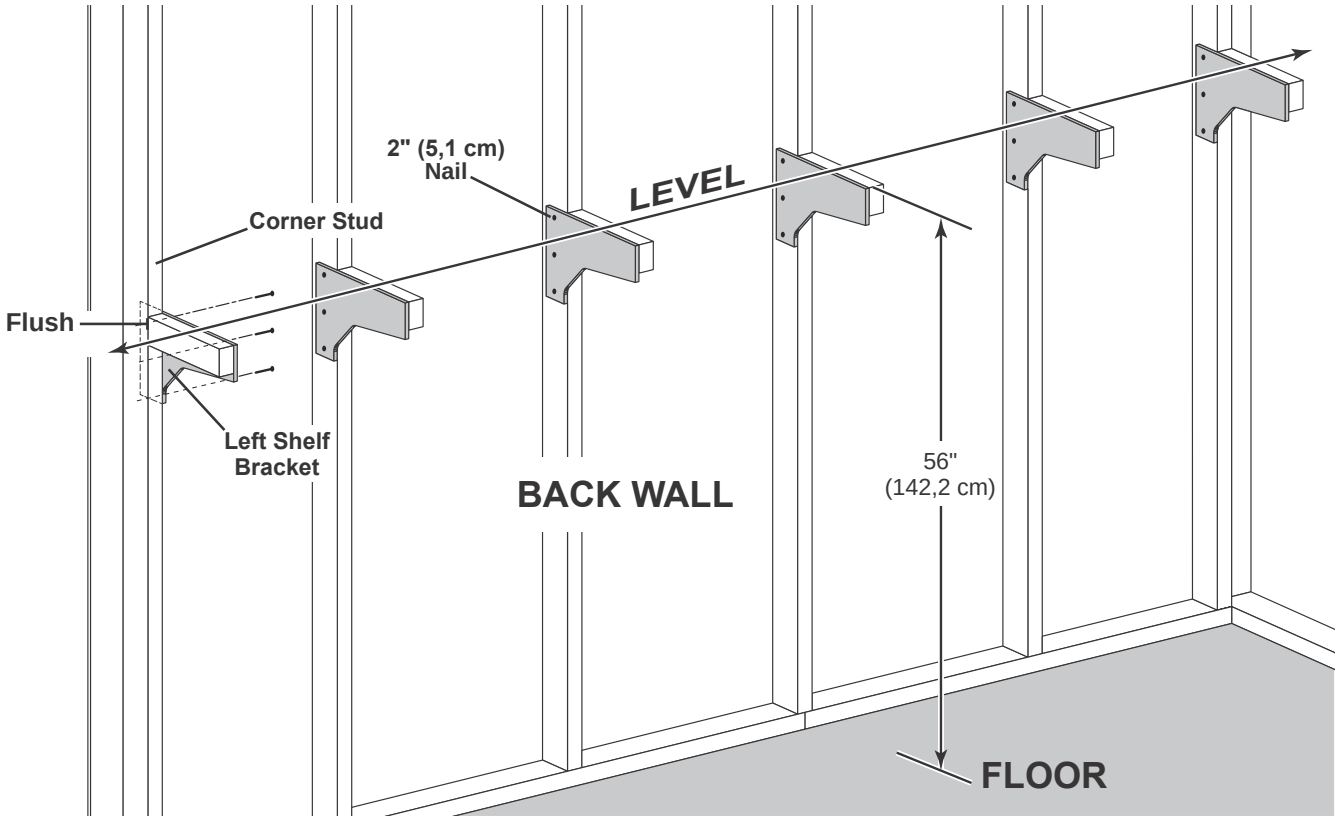


BEGIN

1 Secure **AE** to bracket panels using three 2" (5,1 cm) nails. Assemble 6 shelf supports as shown; 5 right-side, 1 left-side.



2 Secure shelf supports at shown height with three 2" (5,1 cm) nails.



SHELVING

PARTS REQUIRED:

x1 — 7/16 x 11-7/8 x 96" (1,1 x 30,2 x 243,8 cm)

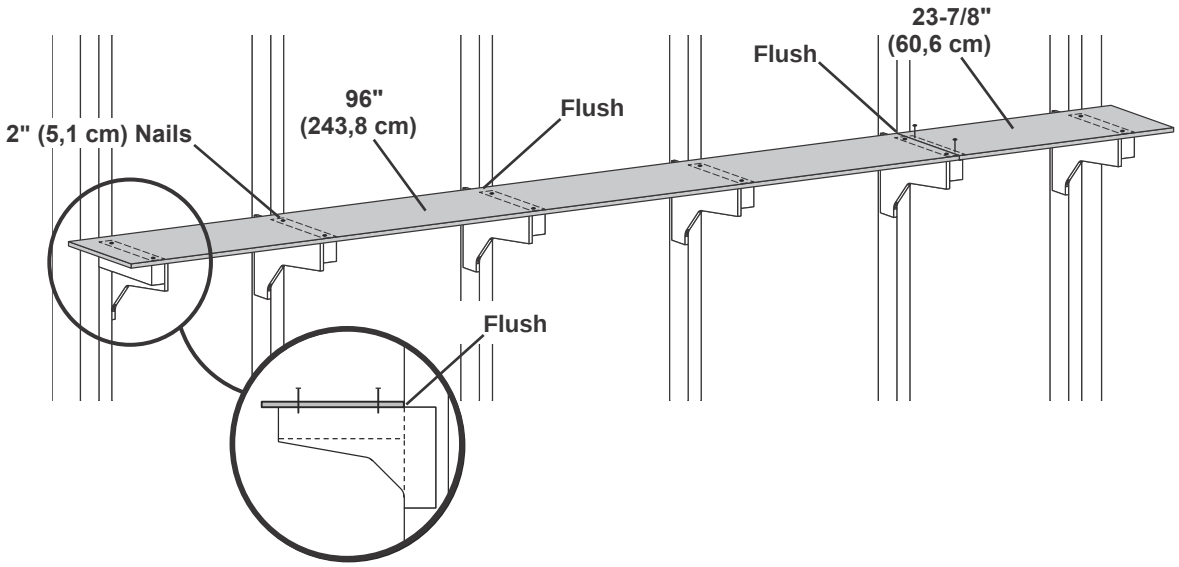
x1 — 7/16 x 11-7/8 x 23-7/8" (1,1 x 30,2 x 60,6 cm)

x28 — 2" (5,1 cm)

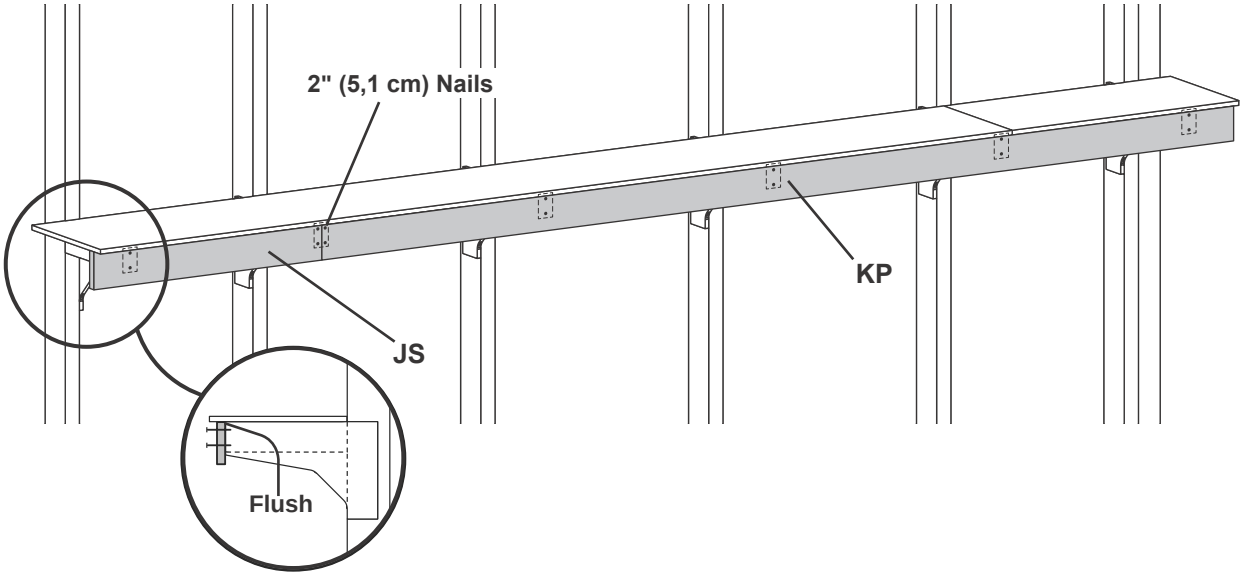
x1 **KP** — 1 x 4 x 96" (2,5 x 10,2 x 243,8 cm)

x1 **JS** — 1 x 4 x 23-7/8" (2,5 x 10,2 x 60,6 cm)

3 Install shelf panels centered over shelf supports. Secure with 2" (5,1 cm) nails at each support.



4 Secure **KP** and **JS** with 2" (5,1 cm) nails at each support as shown.



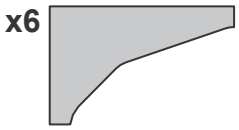
FINISH

5 You have finished installing your shelf.

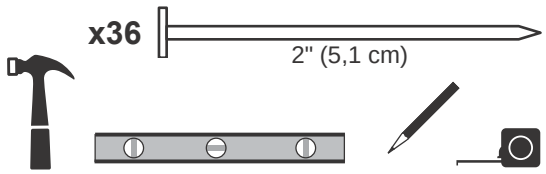
WORK BENCH

PARTS REQUIRED:

x6 LR
2 x 3 x 19" (5,1 x 7,6 x 48,3 cm)

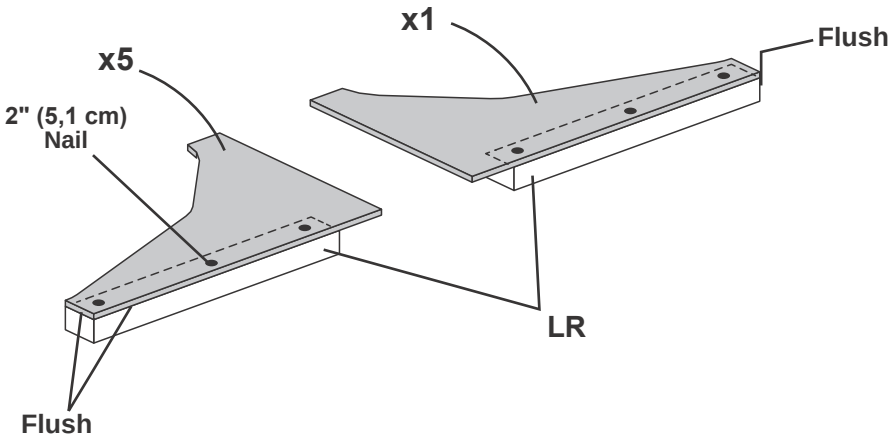


3/8 x 14-1/4 x 22-1/4" (1 x 36,2 x 56,5 cm)

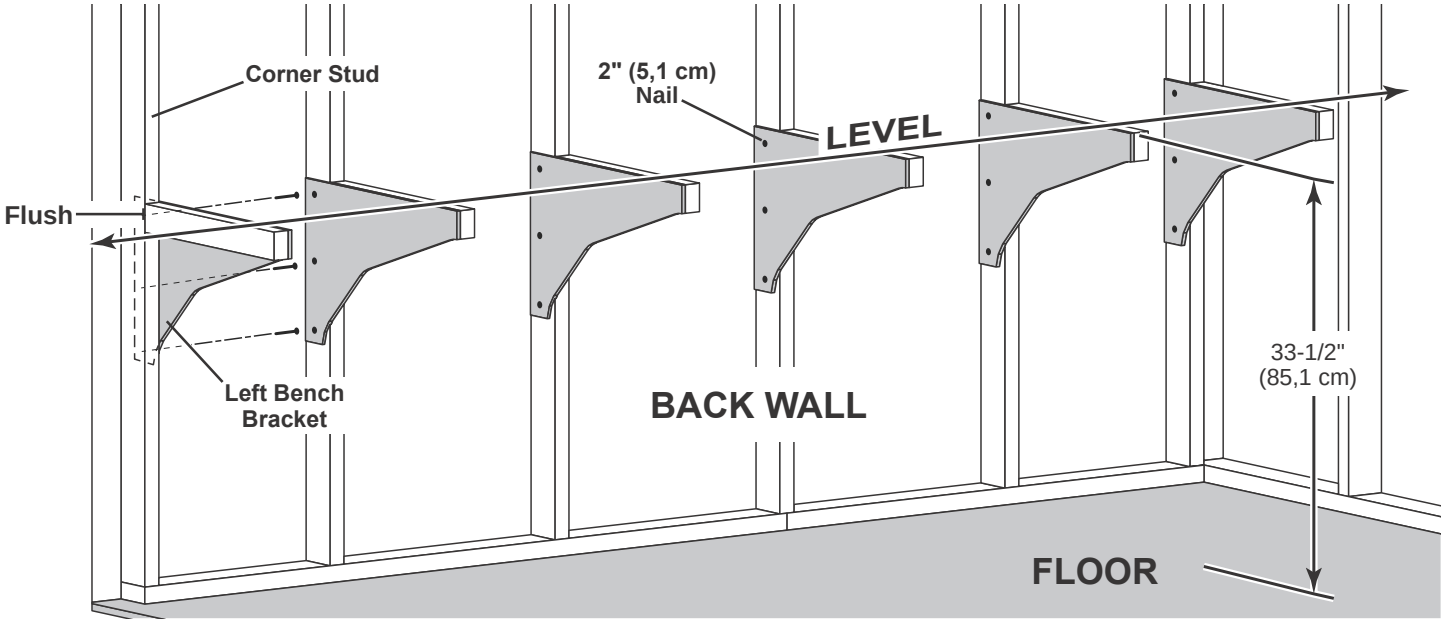


BEGIN

1 Secure **LR** to bracket panels using three 2" (5,1 cm) nails. Assemble 6 shelf supports as shown; 5 right-side, 1 left-side.



2 Secure work bench supports at shown height with three 2" (5,1 cm) nails.



WORK BENCH

PARTS REQUIRED:

x35 — 2" (5,1 cm)

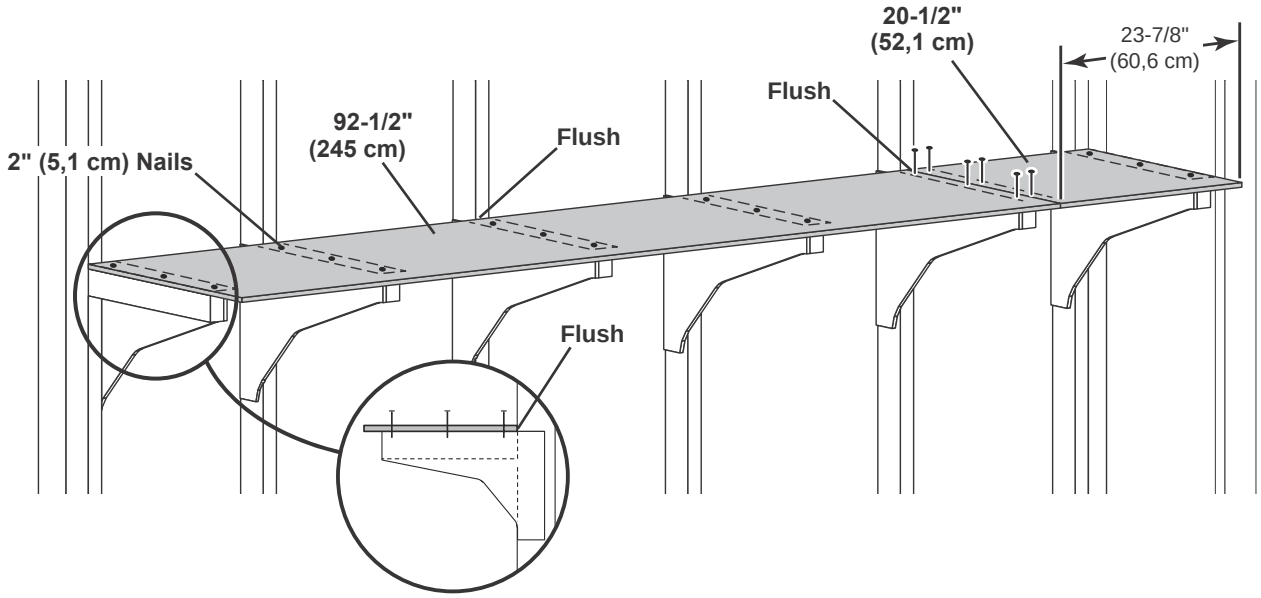
x1 — 7/16 x 23-7/8 x 92-1/2" (1,1 x 60,6 x 235 cm)

x1 — 7/16 x 23-7/8 x 20-1/2" (1,1 x 60,6 x 52,1 cm)

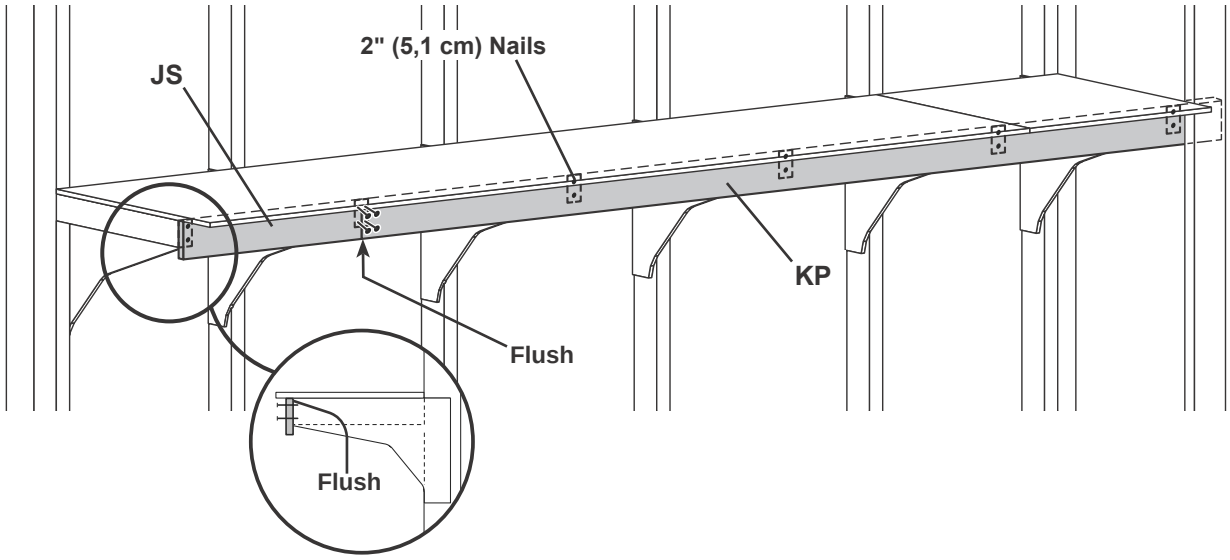
x1 **KP** — 1 x 4 x 96" (2,5 x 10,2 x 243,8 cm)

x1 **JS** — 1 x 4 x 23-7/8" (2,5 x 10,2 x 60,6 cm)

3 Install work bench panels centered over bench supports. Secure with 2" (5,1 cm) nails at each support.



4 Secure **KP** and **JS** with 2" (5,1 cm) nails at each support as shown.



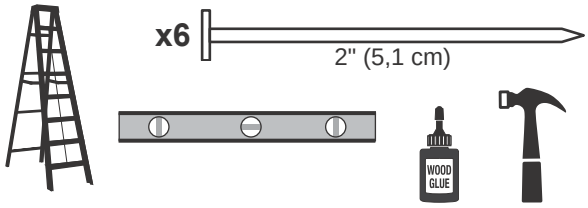
FINISH

5 You have finished installing your work bench

COLLAR TIE

PARTS REQUIRED:

x1 **HJ**
1 x 3 x 72" (2,5 x 7,6 x 182,9 cm)

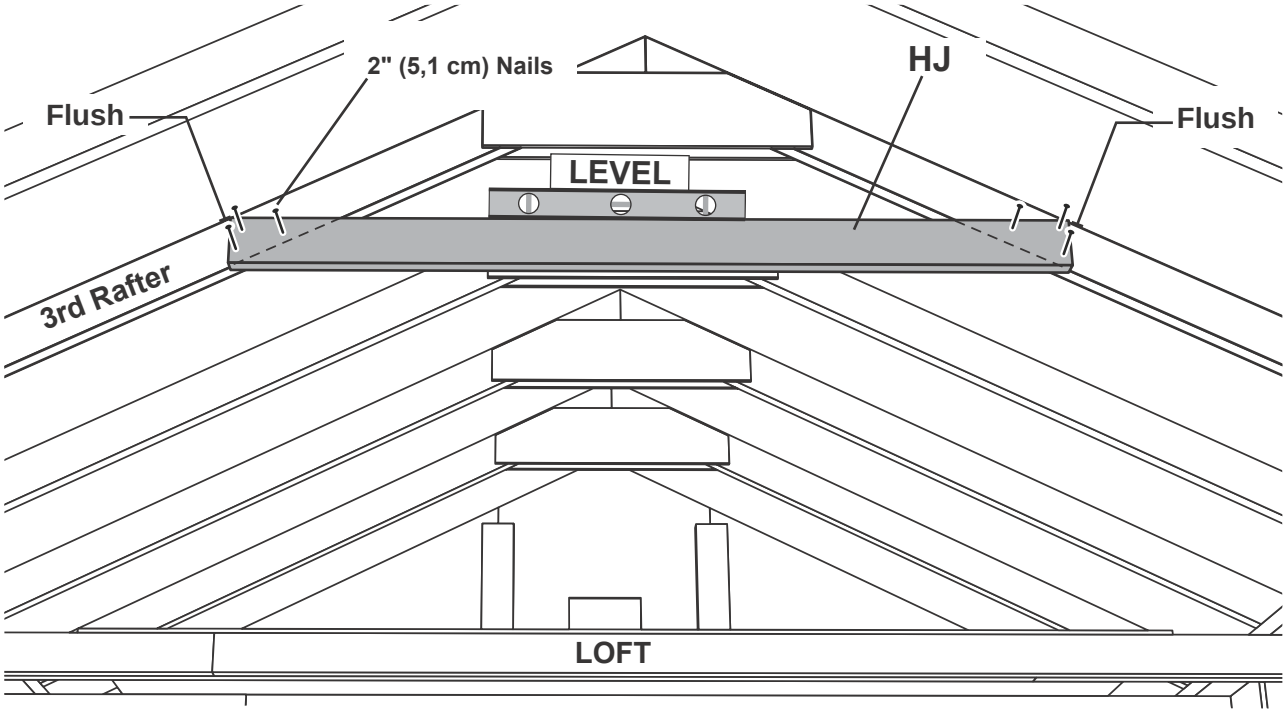


BEGIN

1 Position and level collar tie on third rafter from loft.

HINT: For best appearance install collar tie on rafter facing away from door opening.

2 Attach with 2" nails as shown.

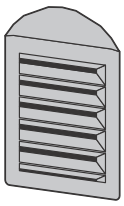


FINISH

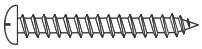
3 You have finished installing your collar tie.

GABLE VENTS

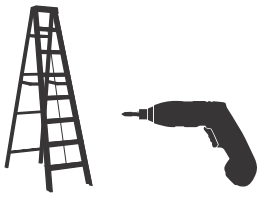
PARTS REQUIRED:



x2 #15021

x8 

#8 x 1" (2,5 cm)
Pan Head Screws

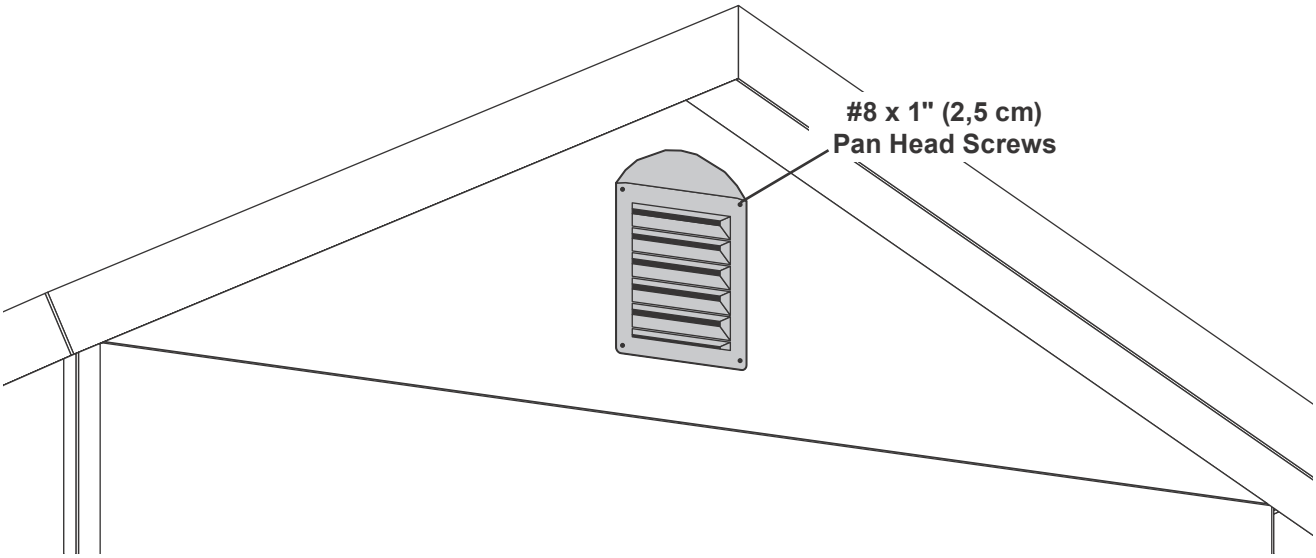


BEGIN

1 Locate vent in the gable wall as shown.

2 Secure using 1" (2,5 cm) screws.

3 Repeat **Steps 1-2** to install on the other gable wall.



FINISH

4 You have finished installing your vents.

WINDOW SHUTTERS

PARTS REQUIRED:

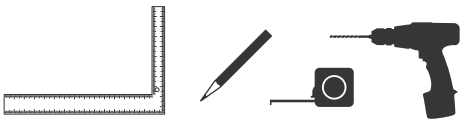
x4 KV 5/8 x 3 x 8" (1,6 x 7,6 x 20 cm)

x1 BWL 5/8 x 3 x 21" (1,6 x 7,6 x 53,3 cm)

x1 BWR 5/8 x 3 x 21" (1,6 x 7,6 x 53,3 cm)

x6 AZ 5/8 x 3 x 30-1/8" (1,6 x 7,6 x 76,5 cm)

x22 1" (2,5 cm)

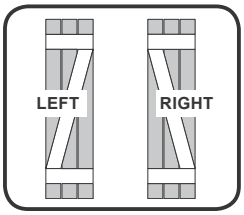


NOTE: You will build one Left shutter and one Right shutter *(Fig. A)*.

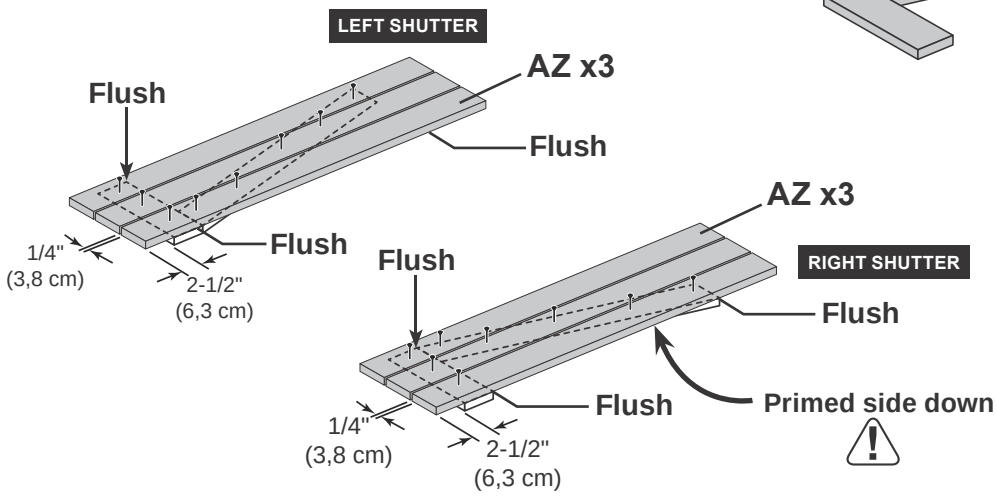
BEGIN

Position shutter parts **BWL** and **KV** primed side-down on floor as shown.

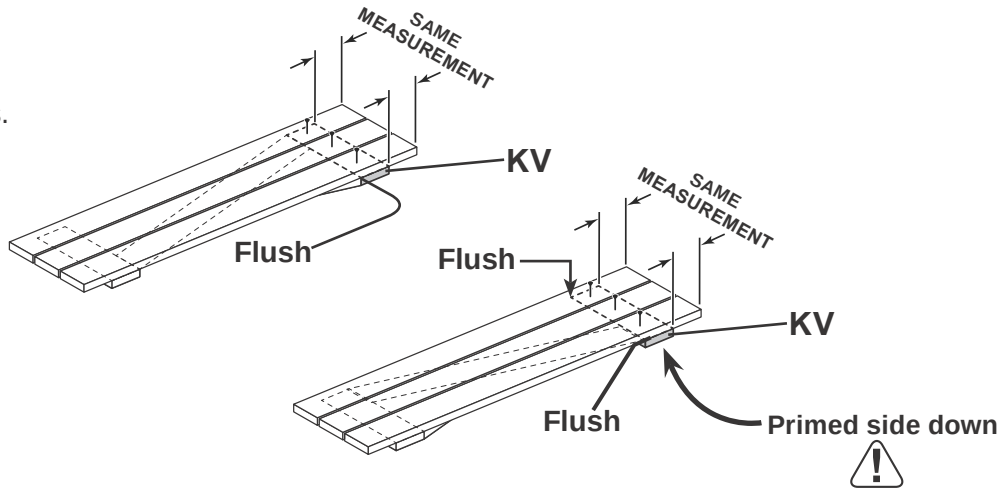
Fig. A



2 Attach slats **AZ** using 1" screws.



2 Attach **KV** using 1" screws.

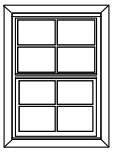


FINISH

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

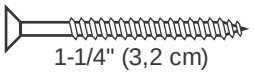
PARTS REQUIRED:

x1

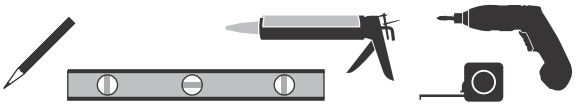


Window
22-1/2" x 29-3/4"
(57,1 x 75,6 cm)

x4

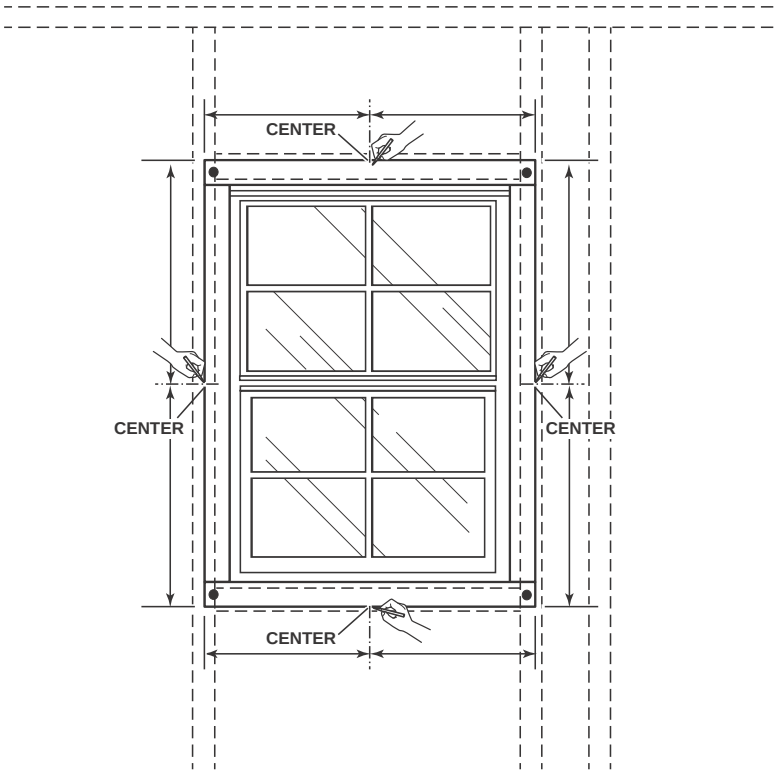


1-1/4" (3,2 cm)



BEGIN

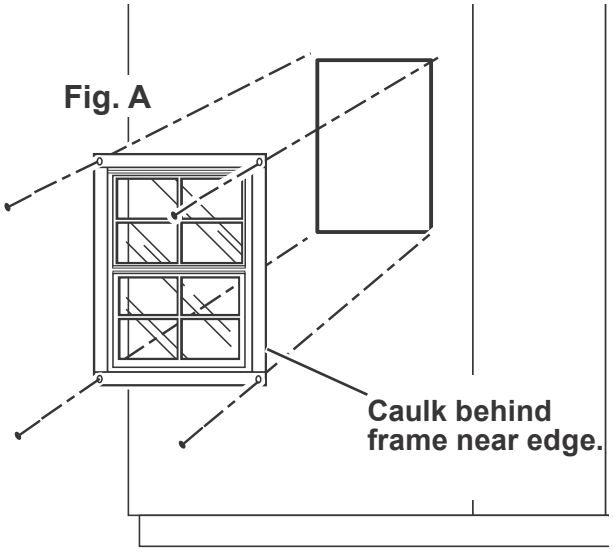
Mark center of window frame as shown.



2 Seal window with high-quality exterior-grade caulk before installing **(Fig. A)**.

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

Fig. A



WINDOW & SHUTTERS

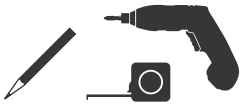
PARTS REQUIRED:

x2 AH
5/8 x 3 x 26-5/8" (1,6 x 7,6 x 67,6 cm)

x1 **x1**

x6 3/4" (19 mm)

x20 2" (5 cm)

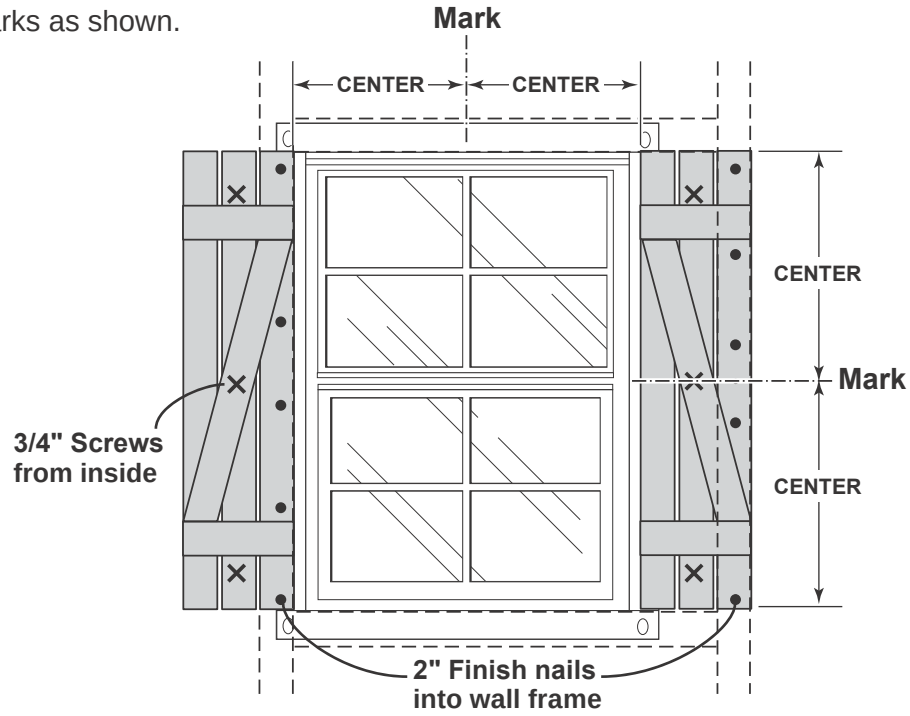


4 Locate one shutter centered on marks as shown.

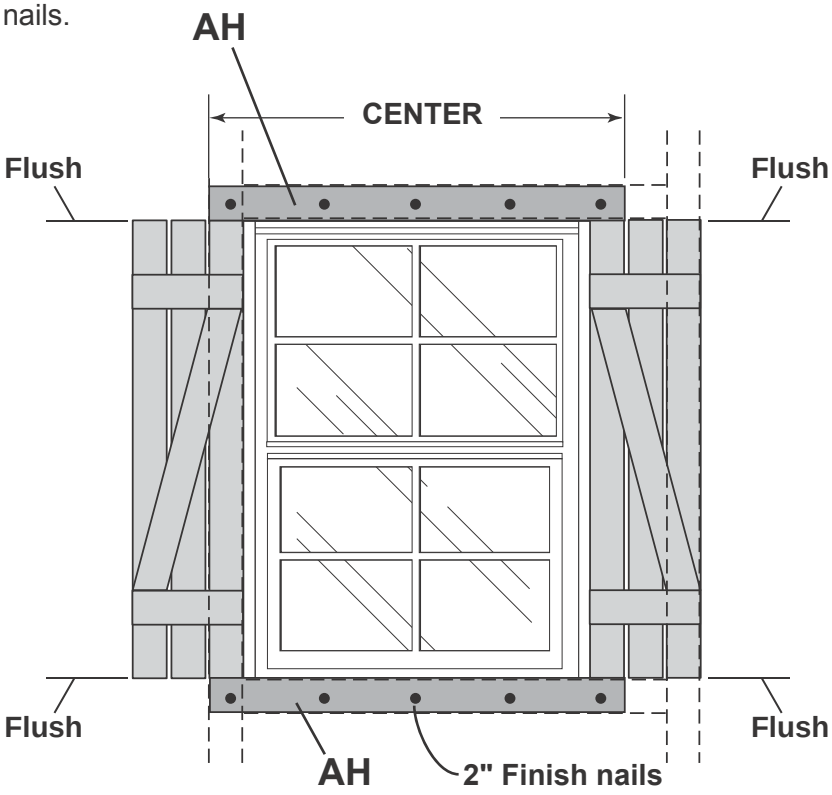
5 Attach one shutter using a 2" finish nail at "dot". Nail into wall frame inside.

Then, from INSIDE of the shed, use three 3/4" screws to secure the shutter indicated at "**X**".

Repeat steps to attach shutter on opposite side.



6 Locate **AH** centered on mark and flush to shutters as shown. Attach using 2" finish nails. Nail into window frame inside.



FINISH

7 You have finished installing your window and shutters.

PAINT & CAULK
- NOT INCLUDED -

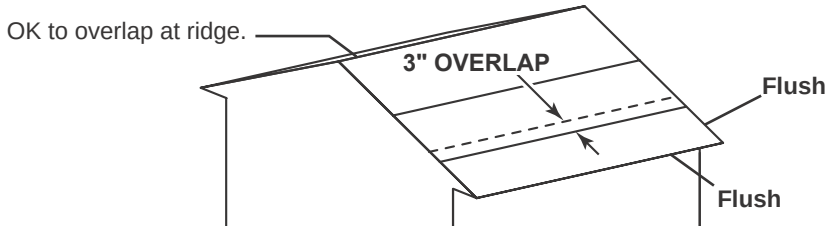
- Use acrylic latex caulk that is paintable. Caulk at all horizontal and vertical seams, between the trim and walls, and all around the door trim.

- 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

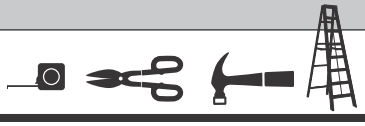
Note:
Prime all un-primed exterior wood before painting.
(Follow directions provided by manufacturer.)

ROOF FELT
- NOT INCLUDED -

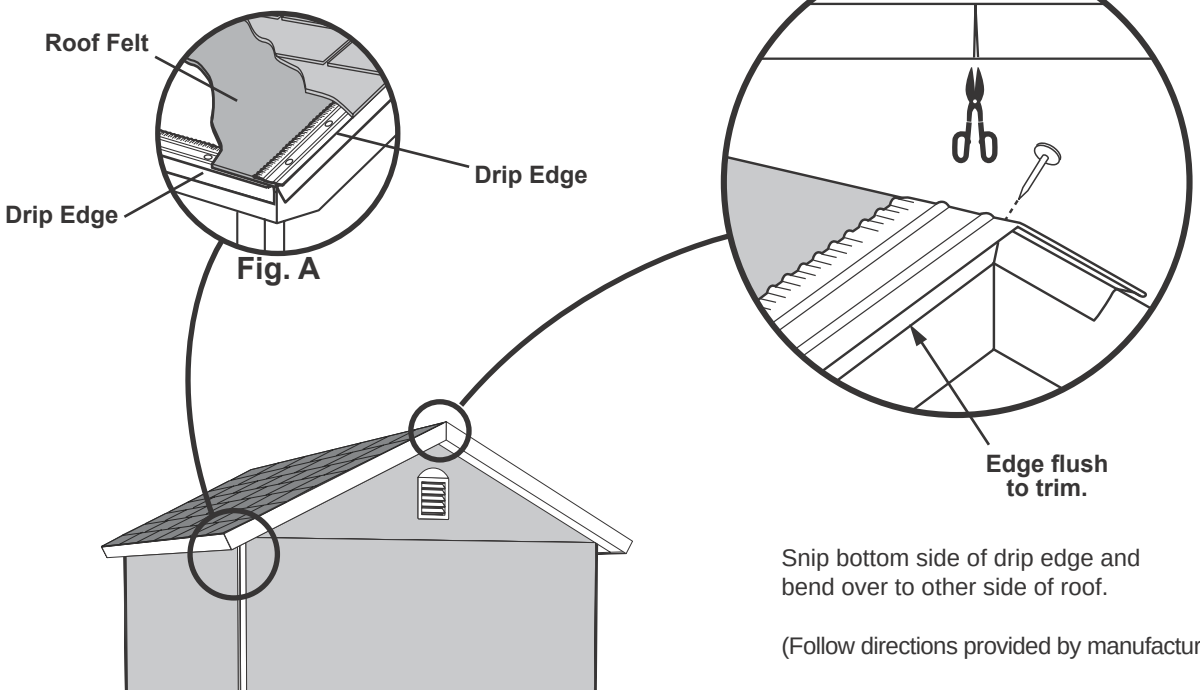
- Install felt flush to all roof edges overlapping 3". Use minimal amount of roofing nails to hold in place.



DRIP EDGE
- NOT INCLUDED -



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

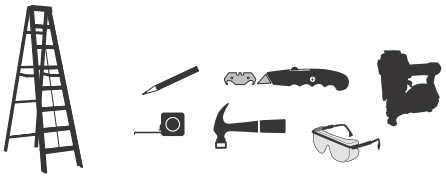


Snip bottom side of drip edge and bend over to other side of roof.

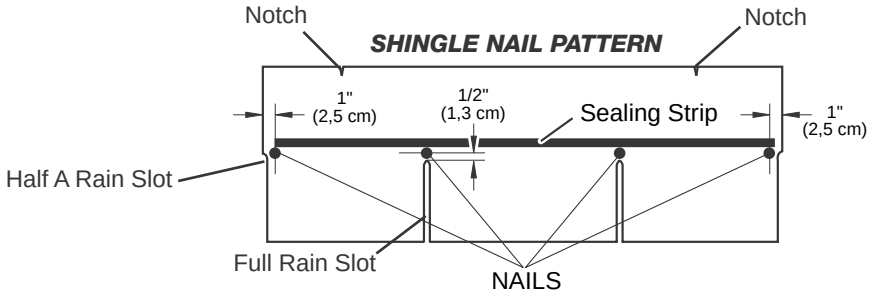
(Follow directions provided by manufacturer.)

SHINGLES
- NOT INCLUDED -

• Follow directions provided by manufacturer and these instructions.



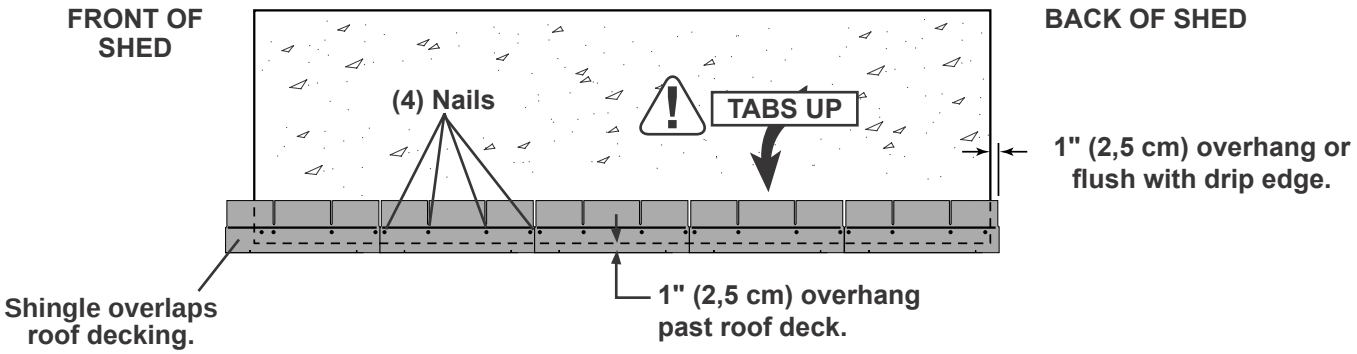
⚠ Familiarize yourself with a 3-Tab Shingle.



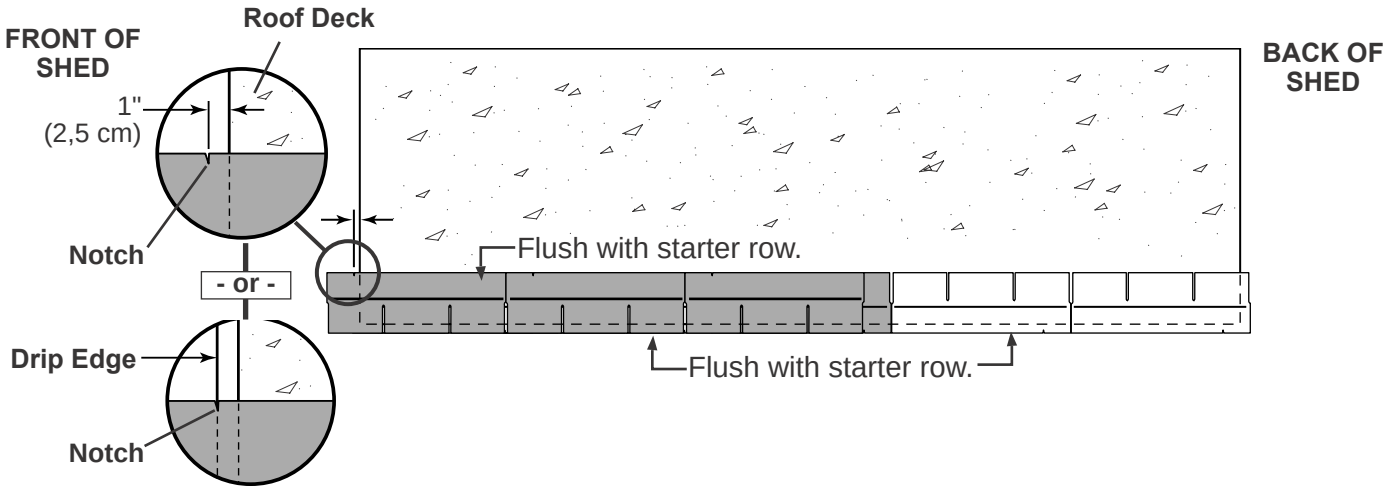
⚠ NEVER DRIVE FASTENERS INTO OR ABOVE SEALING STRIPS.

✓BEGIN

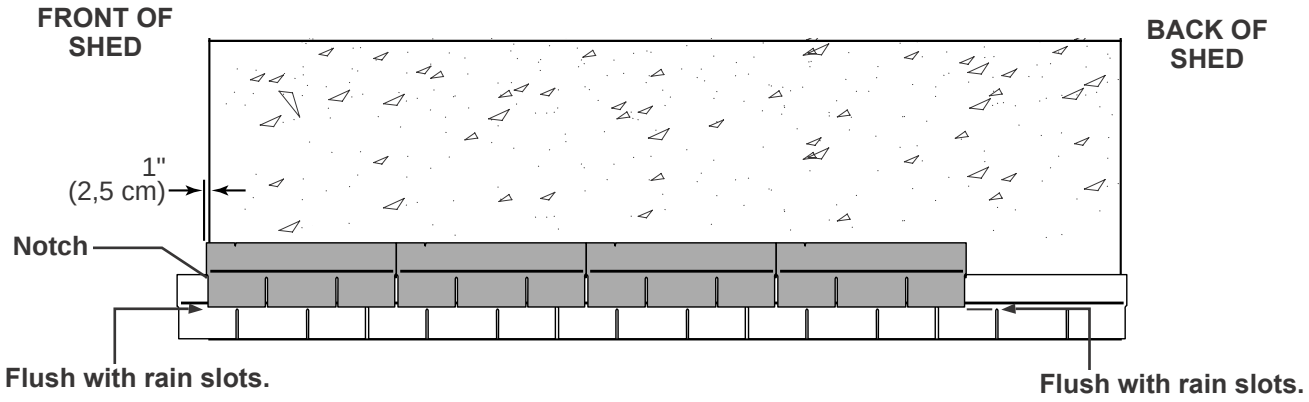
1 Install first starter row upside down and color up with a 1" overhang at back and bottom of roof panel. Use (4) nails per shingle.
Starter row must be straight and level all the way across with lower edge of roof deck.
NOTE: If you have installed drip edge install shingles flush to drip edge.



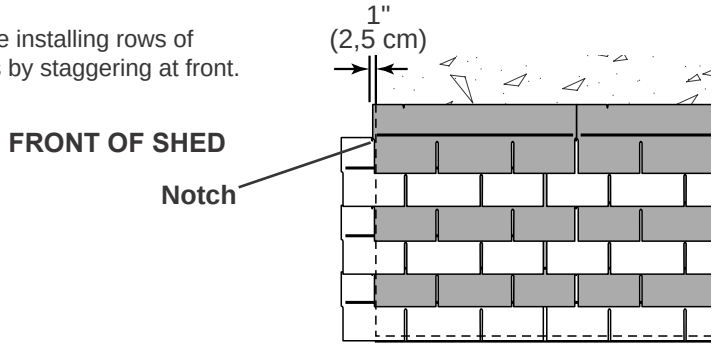
2 Beginning at front of shed, install first row of shingles with notch at 1" past roof edge or flush with drip edge.



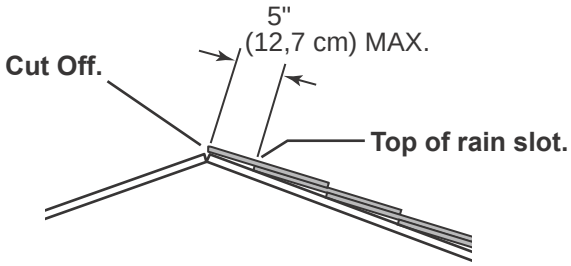
3 Install second row of shingles flush at top of first row's rain slots. Ensure 1" overhang or flush to drip edge at front, stagger each row.

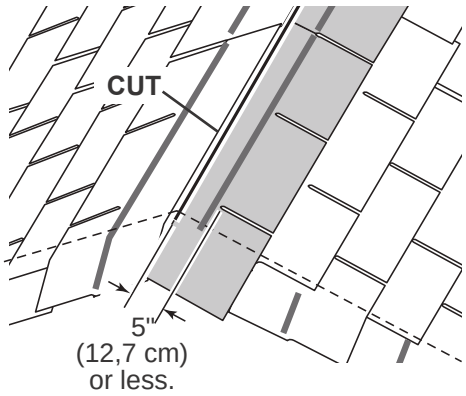


4 Continue installing rows of shingles by staggering at front.



5 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.



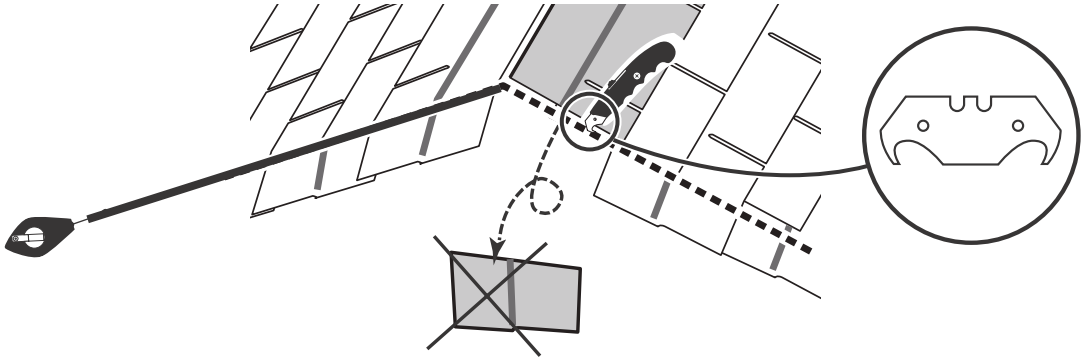


⚠ **• If more than 5" to rain slot you must install another row of shingles.**

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.

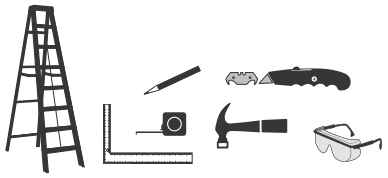


FINISH

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

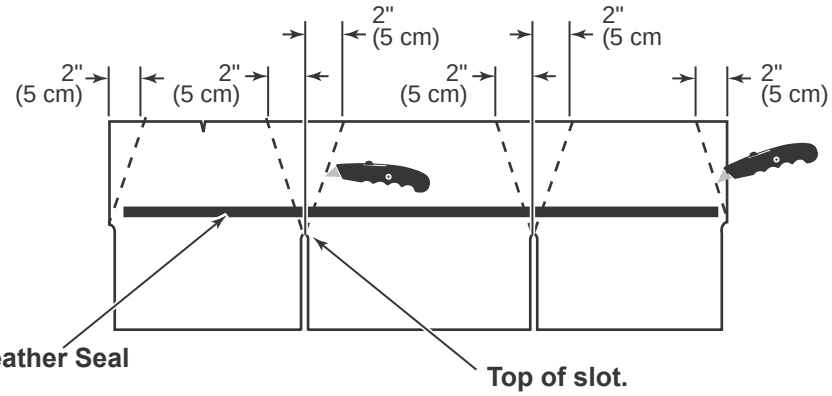
SHINGLES - RIDGE CAP

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



BEGIN

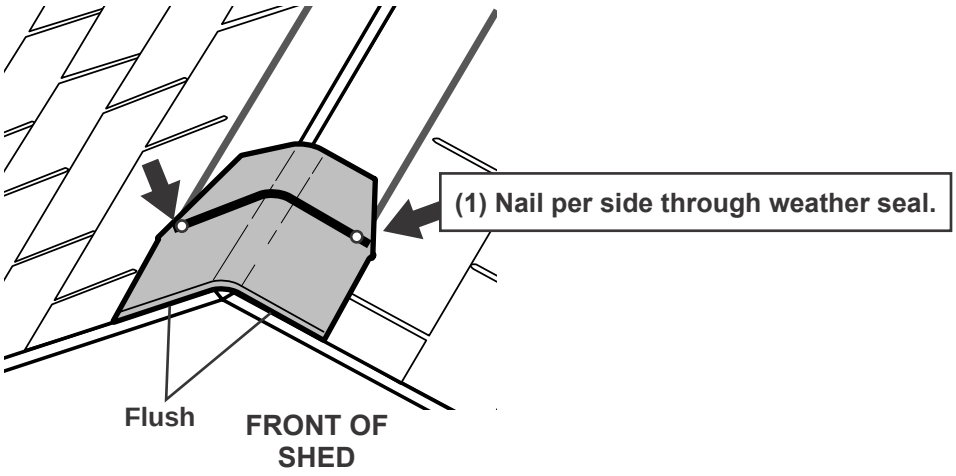
1 Cut shingles into THREE pieces. **Hint:** Use cut-off pieces first.



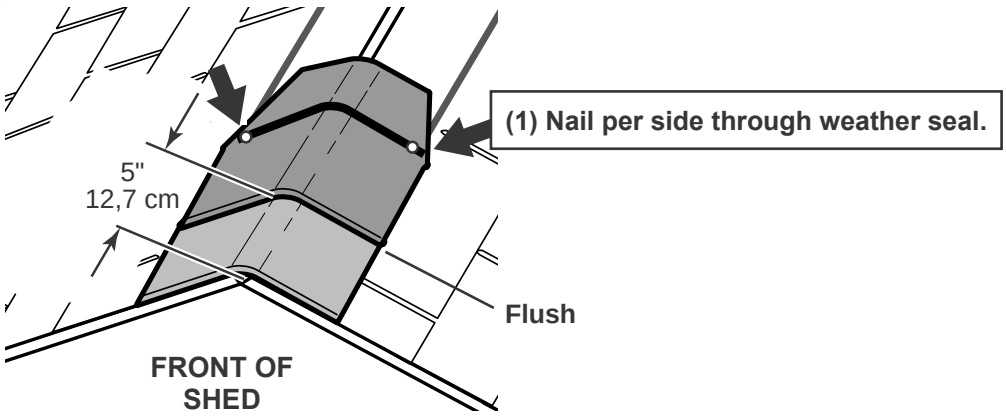
Score shingle, then snap-off angled cut.

Note: • You will need about 30 - 32 cut pieces.

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

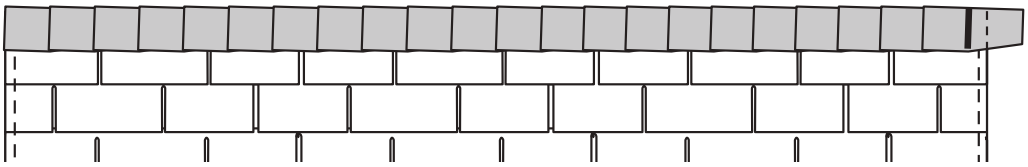


3 Install second ridge cap 5" back, as shown.

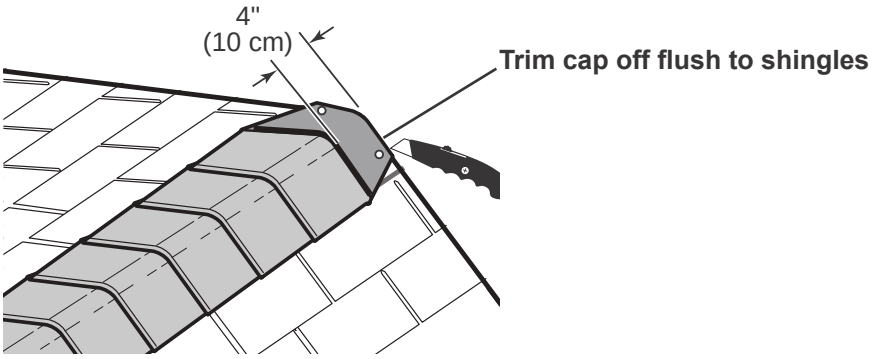


SHINGLES - RIDGE CAP
continued...

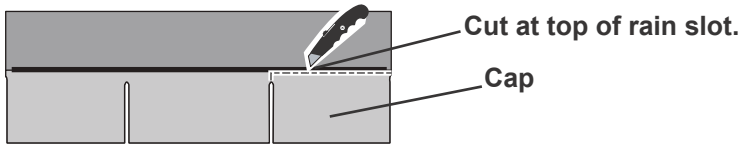
4 Continue installing ridge cap to back of roof.



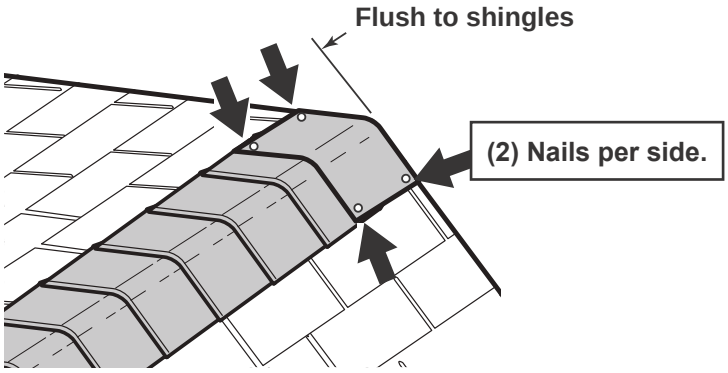
5 Make sure there is 4" between the shingle-color and edge of shingles.



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



7 Install flush to shingles.



FINISH

8 You have finished your ridge cap.

WARRANTY REGISTRATION

Please complete your warranty registration to properly validate your warranty.

Register your product online at: www.OnlineWarranty.net

LIMITED CONDITIONAL WARRANTY*

Backyard Storage Solutions, LLC warrants the following:

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: Value Series / Solar Shed
   12 years: Classic Series / Architectural Series
   15 years: Big Buildings
5. Solar Shed windows are warranted for 1 year.
6. Cedar lumber is warranted for 15 years.
7. Preserved Pine is warranted for 10 years.

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

CONDITIONS

The warranty is effective only when:

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

REQUIREMENTS

Storage Buildings

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

Gazebos & Pergolas

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

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

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

<u>CLAIM PROCEDURE</u>

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

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

All other inquiries can be mailed to:

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

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

IMPORTANT: This is your warranty certificate.

LDR: 1/18/2016