16858-A

STOP

DO NOT RETURN TO THE STORE!

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

24/7 Support

help.backyardproducts.com

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

Business Hours

(734) 242-6900

Monday - Friday ..... 8:00am - 6:00pm EST
Saturday - Sunday .....Closed

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*based on number of completed installations

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HEARTLAND
A Backyard Products Company

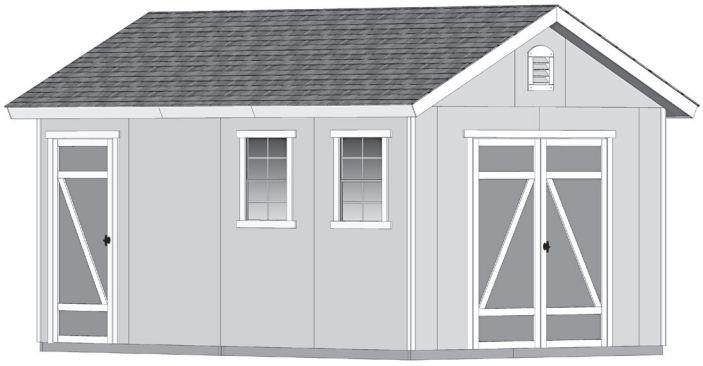
16858-A	05/10/2024

ASSEMBLY MANUAL

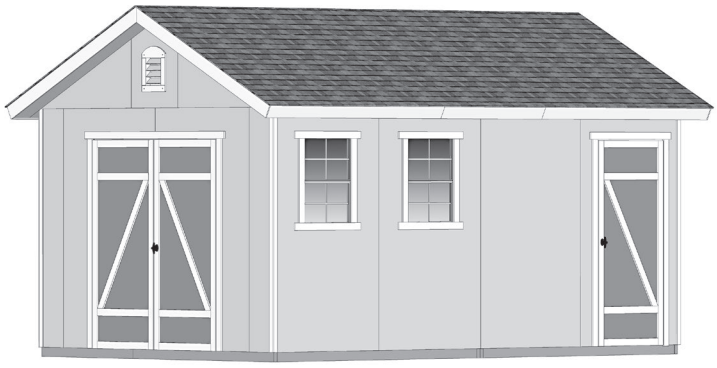
HILLSDALE GABLE 10' x 16' (304,8 x 487,7 cm)

ACTUAL FLOOR SIZE IS 120" x 192" (304,8 x 487,7 cm)

KEEP THIS MANUAL FOR FUTURE REFERENCE

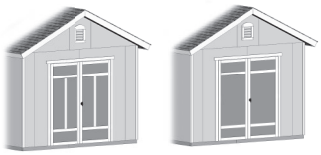


OPTION 1:
Door on left eave wall opening to back.



OPTION 2:
Door on right eave wall opening to back.

Choose from 3 Door Trim Options:



⚠ IMPORTANT! ⚠

READ INSTRUCTIONS THOROUGHLY PRIOR TO BEGINNING ASSEMBLY.

BEFORE YOU BEGIN

- **BUILDING RESTRICTIONS AND APPROVALS**
  Be sure to check local building department and homeowners association for specific restrictions and/ or requirements before building.
- **ENGINEERED DRAWINGS**
  Contact our Customer Service Team if engineered drawings are needed to pull local permits.
- **SURFACE PREPARATION**
  To ensure proper assembly you must build your shed on a level surface.
  Recommended methods and materials to level your shed are listed on page 12.
- **CHECK ALL PARTS**
  Inventory all parts listed on pages 4-6.
- **ADDITIONAL MATERIALS**
  You will need additional materials to complete your shed. See pages 3 for required and optional materials and quantities.

******CONTACT OUR CUSTOMER SERVICE TEAM IF ANY PARTS ARE MISSING OR DAMAGED******

- Order form and warranty at back of manual -

Call: 1-734-242-6900 email: customerservice@backyardproducts.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.

BEGIN = Beginning of steps for assembly or installation.

FINISH = You have finished the assembly or installation.

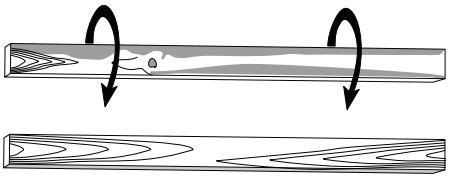
= Level

ORIENT LUMBER AND TRIM FOR BEST APPEARANCE

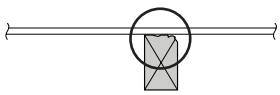
Framing lumber is graded for structural strength and not appearance. Exterior trim is graded for one good side.

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

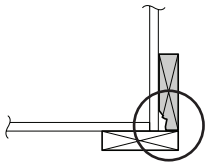
A



B



C



ADDITIONAL MATERIALS

FOUNDATION OR FLOOR MATERIALS

If your purchase comes with a floor system, the materials to construct your floor will be in separate kit(s).

• See the FLOOR LEVELING section on page 12 for recommended methods and suggested materials to properly level your floor, as this will vary depending on your specific site.

COMPLETING YOUR SHED

You will need these additional materials:

☐ **3-TAB SHINGLES ..... 9 Bundles**

☐ **PAINT FOR SIDING ..... 3 Gallons**
Use 100% acrylic latex exterior paint. (2) coats recommended.

☐ **CAULK ..... 4 Tubes**
Use acrylic latex exterior caulk that is paintable.

☐ **1" GALVANIZED ROOFING NAILS.... 6 Lbs**
For shingles.

☐ **PAINT FOR TRIM ..... 3 Quarts**
Use 100% acrylic latex exterior paint.

OPTIONAL MATERIALS

☐ **DRIP EDGE ..... 70 Feet**

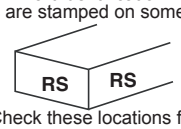
☐ **#15 ROOFING FELT**
To cover 255 sq. ft. of roof area.

☐ **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.

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)

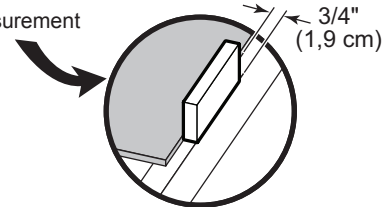
PARTS LIST

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



- ☐ **x10** UY — 2 x 4 x 6-1/2" (5,1 x 10,2 x 16,51 cm)
- ☐ **x4** AO — 2 x 4 x 22-1/2" (5,1 x 10,2 x 57,1 cm)
- ☐ **x4** UV — 2 x 4 x 23-1/4" (5,1 x 10,2 x 59,1 cm)
- ☐ **x2** RL — 2 x 4 x 24" (5,1 x 10,2 x 61 cm)
- ☐ **x2** KHA — 2 x 4 x 24-1/2" (5,1 x 10,2 x 62,2 cm)
- ☐ **x1** — 7/16" x 3-3/16" x 34-3/4" (1,1 x 8 x 88,2 cm) *OSB*
- ☐ **x2** QT — 2 x 4 x 35" (5,1 x 10,2 x 88,9 cm)
- ☐ **x1** QS — 2 x 4 x 32-1/2" (5,1 x 10,2 x 82,5 cm)
- ☐ **x8** SP — 2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)
- ☐ **x4** STL — 2 x 4 x 44-1/2" (5,1 x 10,2 x 113 cm)
- ☐ **x1** — 7/16 x 3-1/4 x 66-3/4" (1,1 x 8,3 x 169,5 cm) *OSB*
- ☐ **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)
- ☐ **x4** TM — 2 x 4 x 72" (5,1 x 10,2 x 182,8 cm)
- ☐ **x33** AI — 2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)
- ☐ **x1** CGA — 2 x 4 x 80-1/2" (5,1 x 10,2 x 204,4 cm)
- ☐ **x2** TJ — 2 x 4 x 92-1/2" (5,1 x 10,2 x 234,9 cm)
- ☐ **x4** TP — 2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

RAFTERS

- ☐ **x16** — 6 x 24" (15,2 x 61 cm) **OSB OR WOOD GRAIN** ⚠
- ☐ **x12** CLA — 2 x 4 x 4-7/8" (5,1 x 10,2 x 12,4 cm)
- ☐ **x4** — 3/8 x 3-1/4 x 5-7/8" (1,0 x 8,3 x 14,9 cm)
- ☐ **x3** 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)
- ☐ **x18** 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)
- ☐ **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 192,7 cm)
- ☐ **x2** — 3/8 x 4-3/4 x 75-7/8" (1 x 12,1 x 192,7 cm)
- ☐ **x4** — 3/8 x 5-7/8 x 73" (1 x 14,9 x 185,4 cm)
- ☐ **x4** — 3/8 x 4-3/4 x 80-7/8" (1 x 12,1 x 205,4 cm)

FLOOR (IF DIY KIT(S) PURCHASED)

☐ **x4** TREATED
2 x 4 x 48" (5 x 10 x 122 cm)

☐ **x4** TREATED
2 x 4 x 72" (5 x 10 x 183 cm)

Floor panels are 5/8" (1,6 cm) thick.
NOTE: Panel parts are not stamped.

☐ **x18** TREATED
2 x 4 x 93" (5 x 10 x 236,2 cm)

☐ **x4**
5/8 x 48 x 96"
(1,6 x 121,9 x 243,8 cm)

☐ **x2**
5/8 x 23-7/8" x 96"
(1,6 x 60,6 x 243,8 cm)

☐ **x100**
3" (7,6 cm)

☐ **x238**
2" (5,1 cm)

WINDOW & DOOR TRIM

☐ **x6** AH
19/32 x 2-1/2 x 26-5/8" (1,5 x 6,3 x 67,6 cm)

☐ **x4** ROR
19/32 x 2-1/2 x 28-1/2" (1,5 x 6,3 x 72,4 cm)

☐ **x4** AZ
19/32 x 2-1/2 x 30-1/8" (1,5 x 6,3 x 76,5 cm)

☐ **x1** GEA
19/32 x 2-1/2 x 39-3/8" (1,5 x 6,3 x 100 cm)

☐ **x2** HYR
19/32 x 2-1/2 x 50-1/8" (1,5 x 6,3 x 127,3 cm)

☐ **x3** DKA
19/32" x 2-1/2" x 44-1/8" (1,5 x 6,3 x 112,1 cm)

☐ **x1** HYL
19/32 x 2-1/2 x 50-1/8" (1,5 x 6,3 x 127,3 cm)

☐ **x3** OO
69" (175,3 cm) Door Stiffener

☐ **x2** LRA
1 x 4 x 69-3/4" (2,5 x 10,2 x 177,2 cm)

☐ **x2** ZJ
19/32 x 3 x 72" (3,2 x 7,6 x 182,9 cm)

ROOF PANELS

Roof panels are 7/16" (1,1 cm) thick. **NOTE: Panel parts are not stamped.**

☐ **x4**
7/16 x 48 x 47-7/8"
(1,1 x 121,9 x 121,6 cm)

☐ **x2**
7/16 x 48 x 96"
(1,1 x 121,9 x 243,8 cm)

☐ **x8**
7/16 x 27-1/4 x 48" (1,1 x 69,2 x 121,9 cm)

☐ **x4**
7/16 x 27-1/4 x 8-1/2"
(1,1 x 69,2 x 21,6 cm)

☐ **x4**
7/16 x 48 x 8-1/2" (1,1 x 121,9 x 21,6 cm)

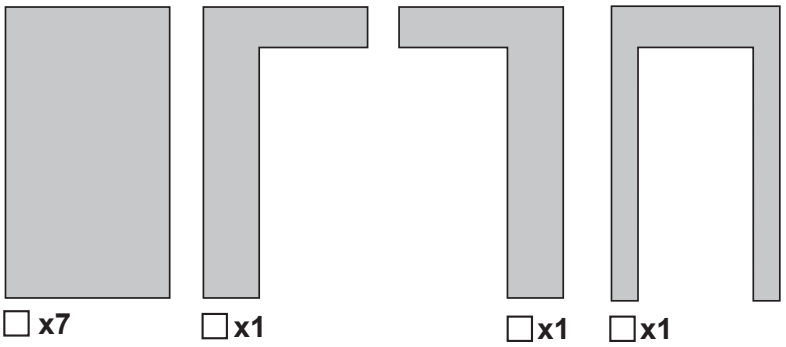
TRIM

☐ **x2** 3/8 x 4-3/4" x 48" (1 x 12 x 121,9 cm)

☐ **x2** 3/8 x 5-7/8" x 48" (1 x 14,9 x 121,9 cm)

WALL PANELS & DOORS

NOTE: Panel parts are not stamped.

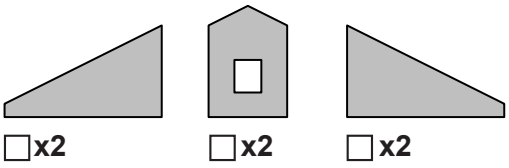


☐ **x7**
3/8 x 48 x 84"
(1 x 121,9 x 213,4 cm)

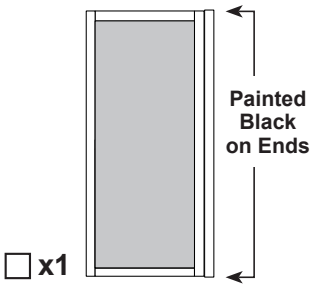
☐ **x1**

☐ **x1**

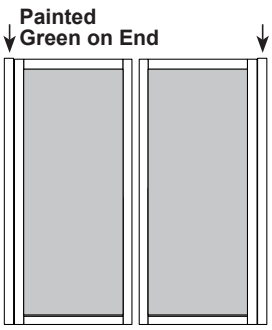
☐ **x1**



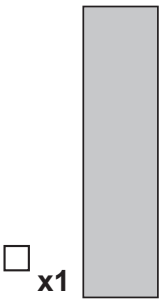
☐ **x2** ☐ **x2** ☐ **x2**



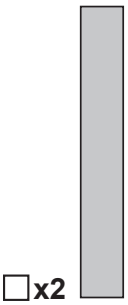
☐ **x1**



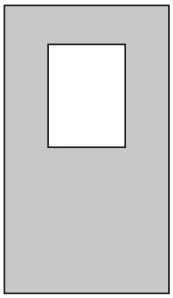
☐ **x1** **LEFT DOOR** ☐ **x1** **RIGHT DOOR**



☐ **x1**
3/8 x 23-7/8 x 84"
(1 x 60,6 x 213,4 cm)



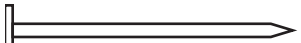
☐ **x2**
3/8 x 11-7/8 x 84"
(1 x 30,2 x 213,4 cm)

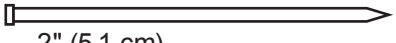


☐ **x2**

FASTENERS & HARDWARE

NOTE: ***If you are using a nail gun, nails may be used where screws are shown for quicker assembly. Length of nail must match screw length.***

☐ **x92**

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

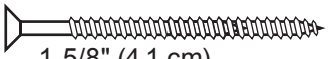
☐ **x367**

2" (5,1 cm)

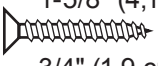
☐ **x182**

3" (7,6 cm)

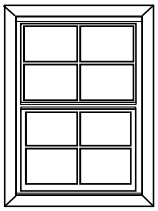
☐ **x49**

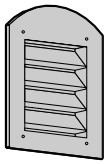
2" (5,0 cm)

☐ **x62**

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

☐ **x105**

3/4" (1,9 cm)

VENT/ DOOR HARDWARE/ WINDOWS

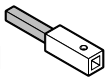
☐ **x2**

Window

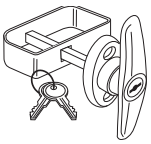
☐ **x2**

Vent

☐ **x8**

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

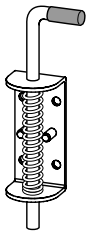
☐ **x2** 
4" Shaft

☐ **x1** 
Extender

T-Handle
☐ **x2**


☐ **x2**

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

Spring Bolt
☐ **x2**


☐ **x8**

1-1/4 (3,2 cm)
(4 screws in each package)

☐ **x1**

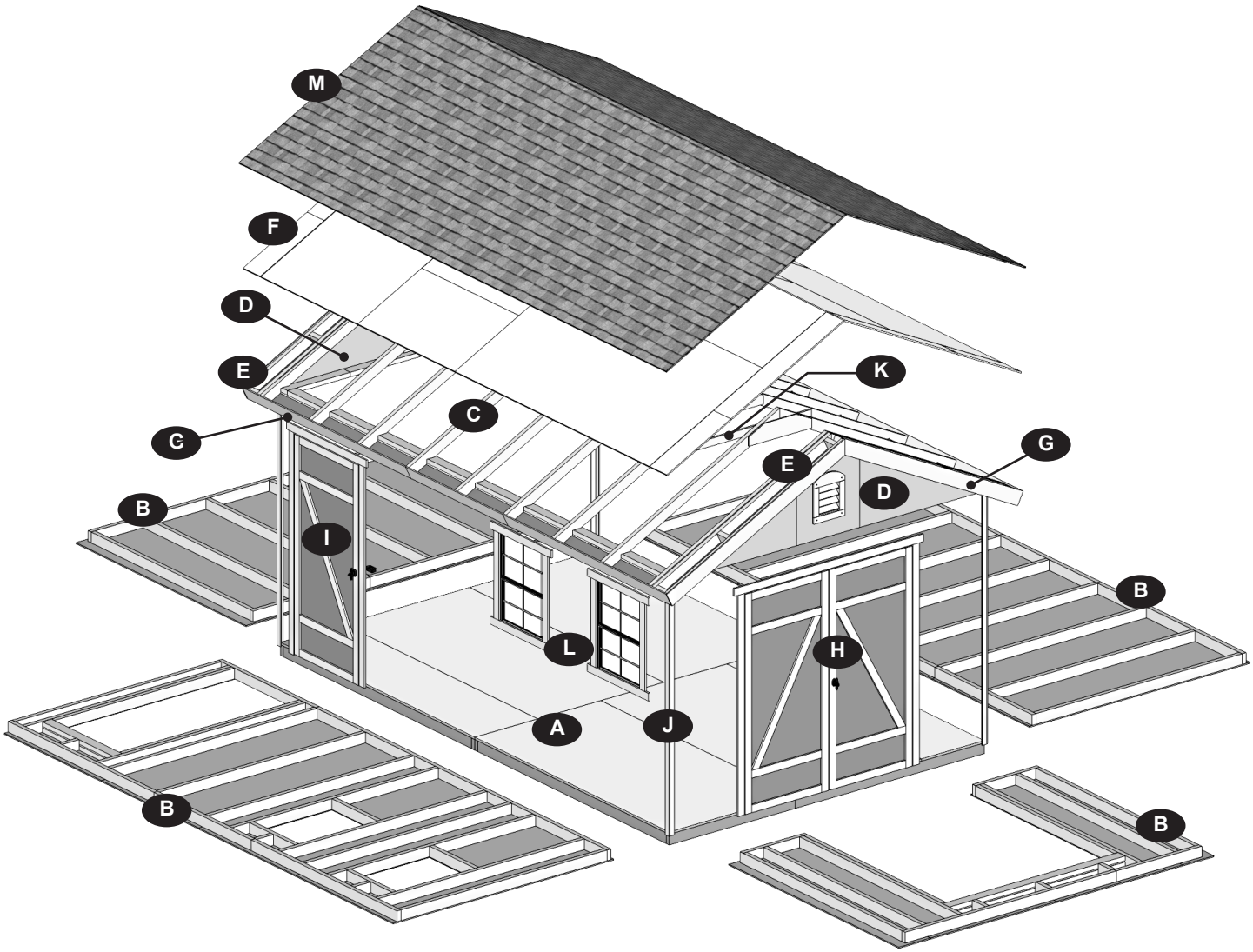
64" Metal Threshold

☐ **x1**

32" Metal Threshold


3/4" (1,9 cm) x17
Bagged separately / special coating

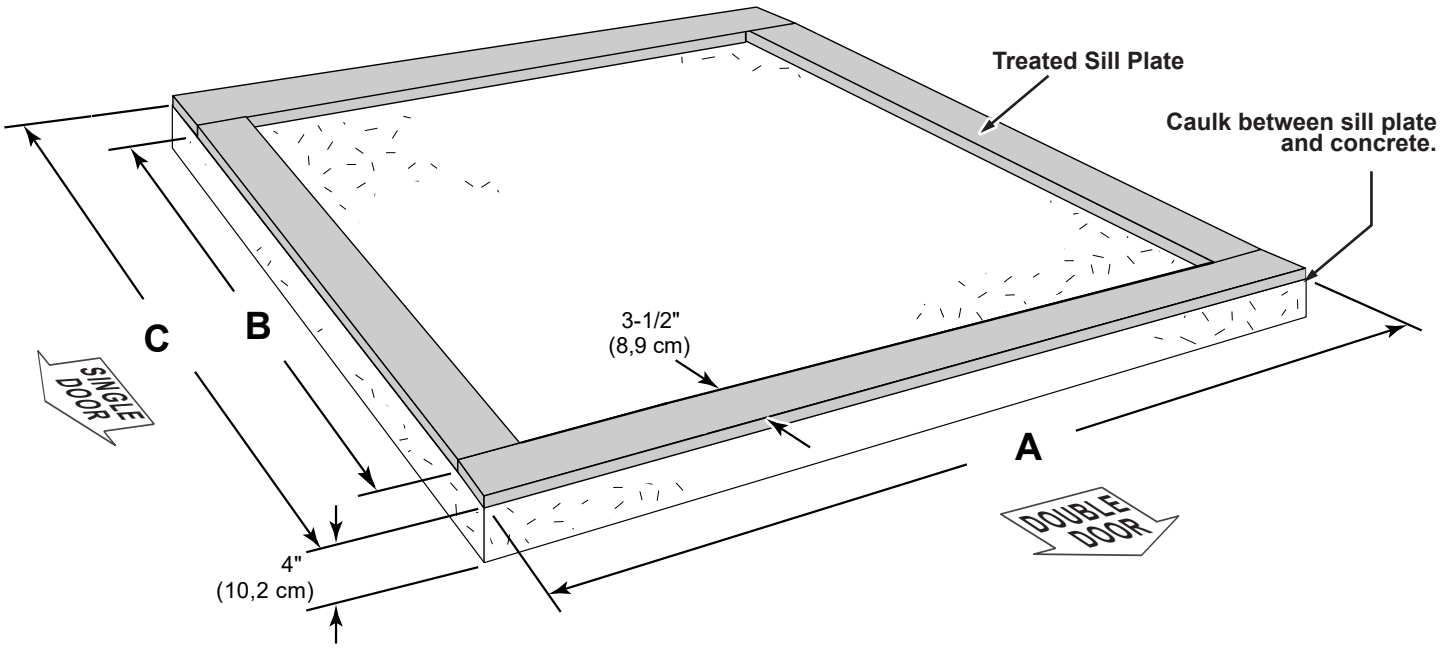
COMPONENT SECTION INDEX



Description	Section	Page
Floor	A	9-10, 13-14
Walls	B	23
Rafters	C	16-17 & 41
Gable Units	D	42, 44
Front Overhang Ladders	E	43, 45
Roof Panels	F	46
Soffit & Fascia Trim	G	51
Double Doors	H	54
Single Door	I	61
Corner Trim	J	70
Collar Ties	K	71
Windows	L	72
Shingles	M	76

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 16' (304,8 x 487,6 cm)	120" x 192" (304,8 x 487,6 cm)	120" (304,8 cm)	185" (469,9 cm)	192" (487,6 cm)

Requires:

☐ **x2** 2 x 4 x 12' (5,1 x 10,2 x 365,8 cm) ⚠ **MUST be treated lumber.**

☐ **x2** 2 x 4 x 10' (5,1 x 10,2 x 244 cm) ⚠ **MUST be treated lumber.**

☐ **x1** 2 x 4 x 8' (5,1 x 10,2 x 233,6 cm) - Cut to (2) 2 x 4 x 41"

☐ **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: Purchase full length treated lumber.
- Use a high quality exterior grade caulk beneath all sill plates.
- Fasten 2 x 4 (5,1 x 10,2 cm) sill plates to slab using approved concrete anchors **(fasteners not included)**.
- Check local code for concrete foundation requirements.

NOTES

FLOOR FRAME

PARTS REQUIRED:

x4 TREATED 2 x 4 x 48" (5 x 10 x 122 cm)

x4 TREATED 2 x 4 x 72" (5 x 10 x 183 cm)

x18 TREATED 2 x 4 x 93" (5 x 10 x 236,2 cm)

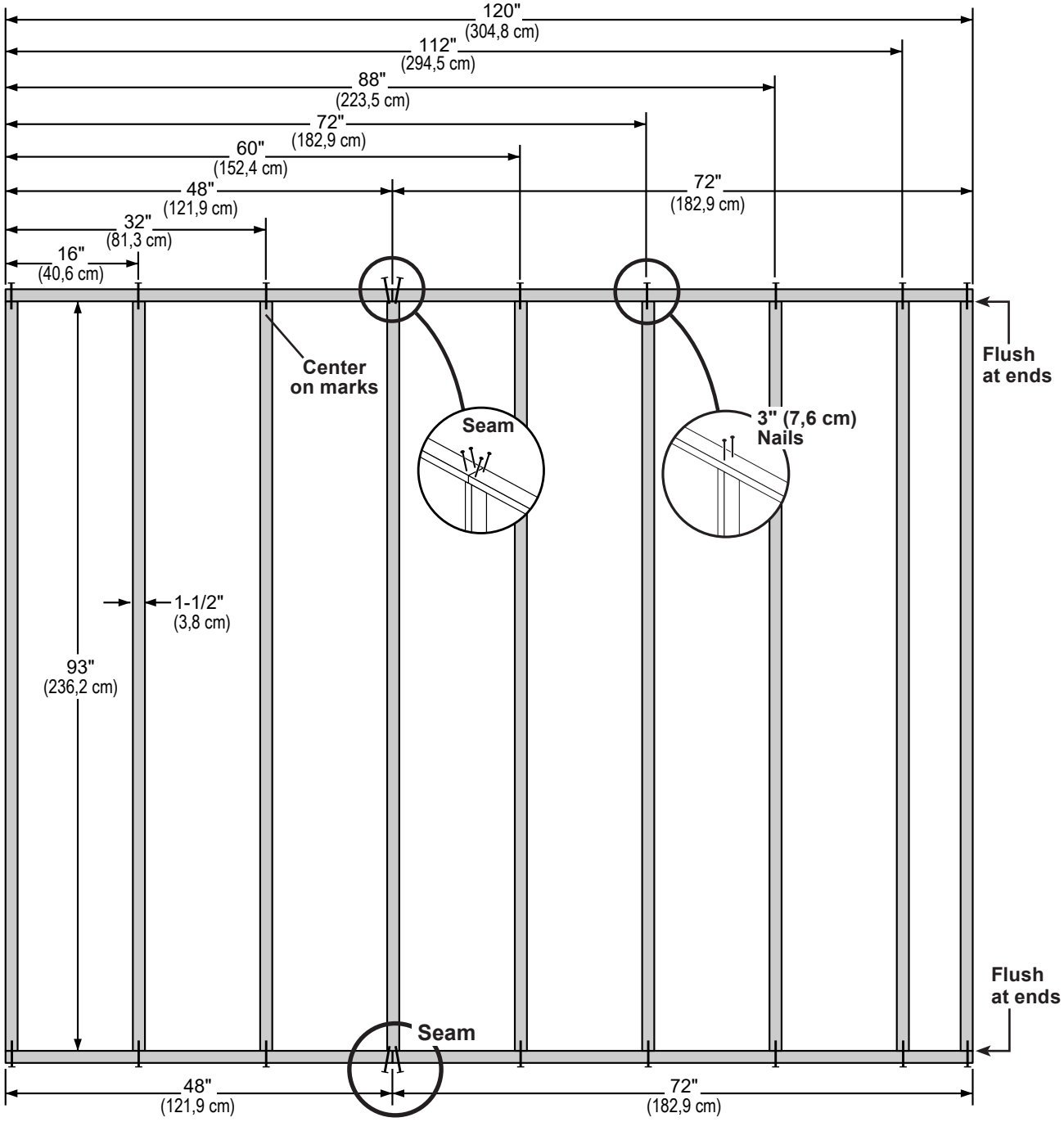
x80 3" (7,6 cm)

NOTE:
Look for TREATED **Stamp.**

You will build two floor sections.

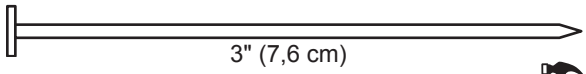
BEGIN

1 Arrange parts as shown on flat surface. Measure and mark each dimension from end of boards. Secure with (2) 3" nails at each mark and (4) nails at seams.

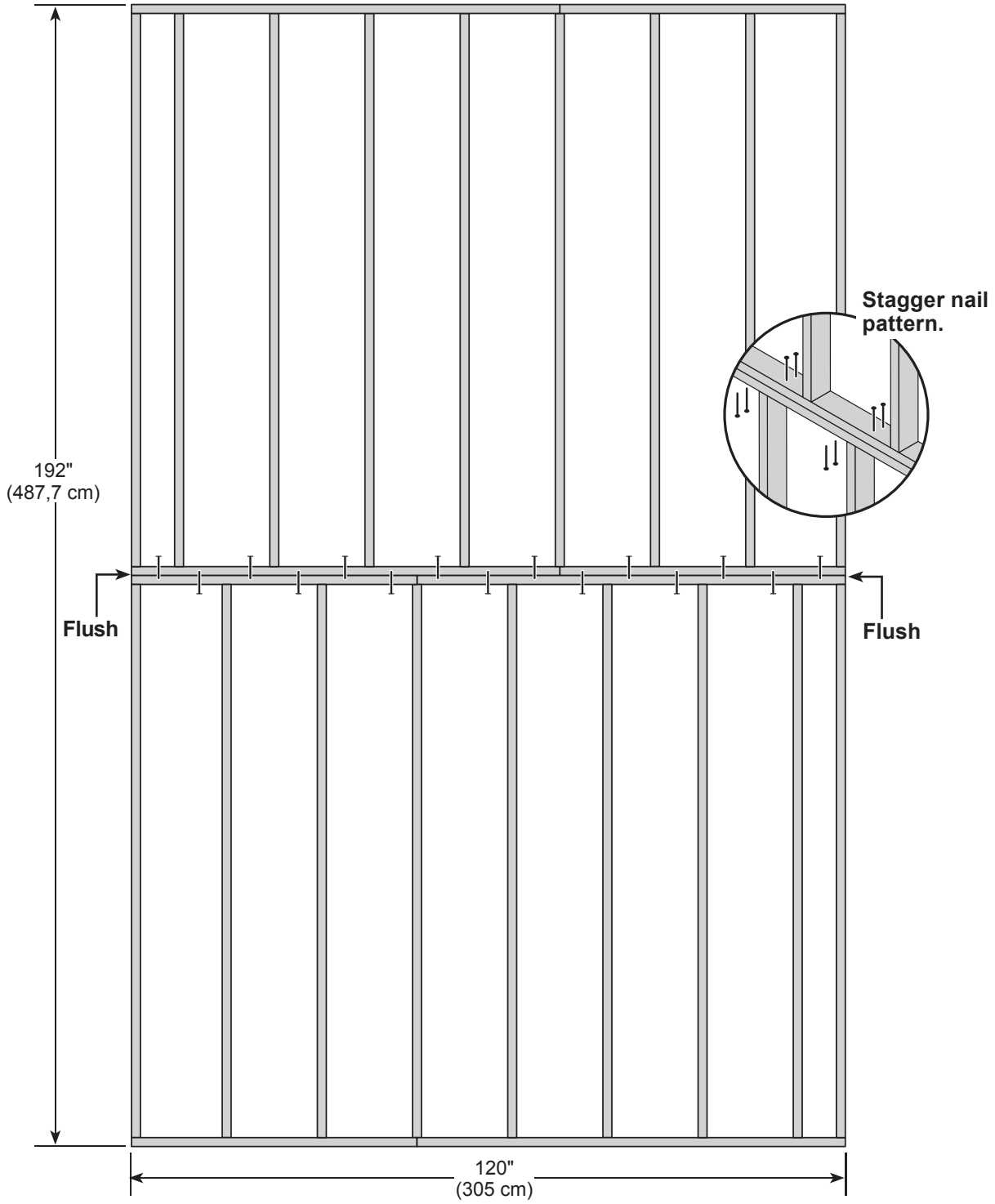


FLOOR FRAME

PARTS REQUIRED:



3 Fasten floor sections together, as shown. Secure with 3" nails.



FINISH

Your floor frame is now assembled. Proceed to level and square frame.

STOP!

⚠ *LEVEL AND SQUARE FLOOR FRAME* ⚠

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

STOP!

BEGIN

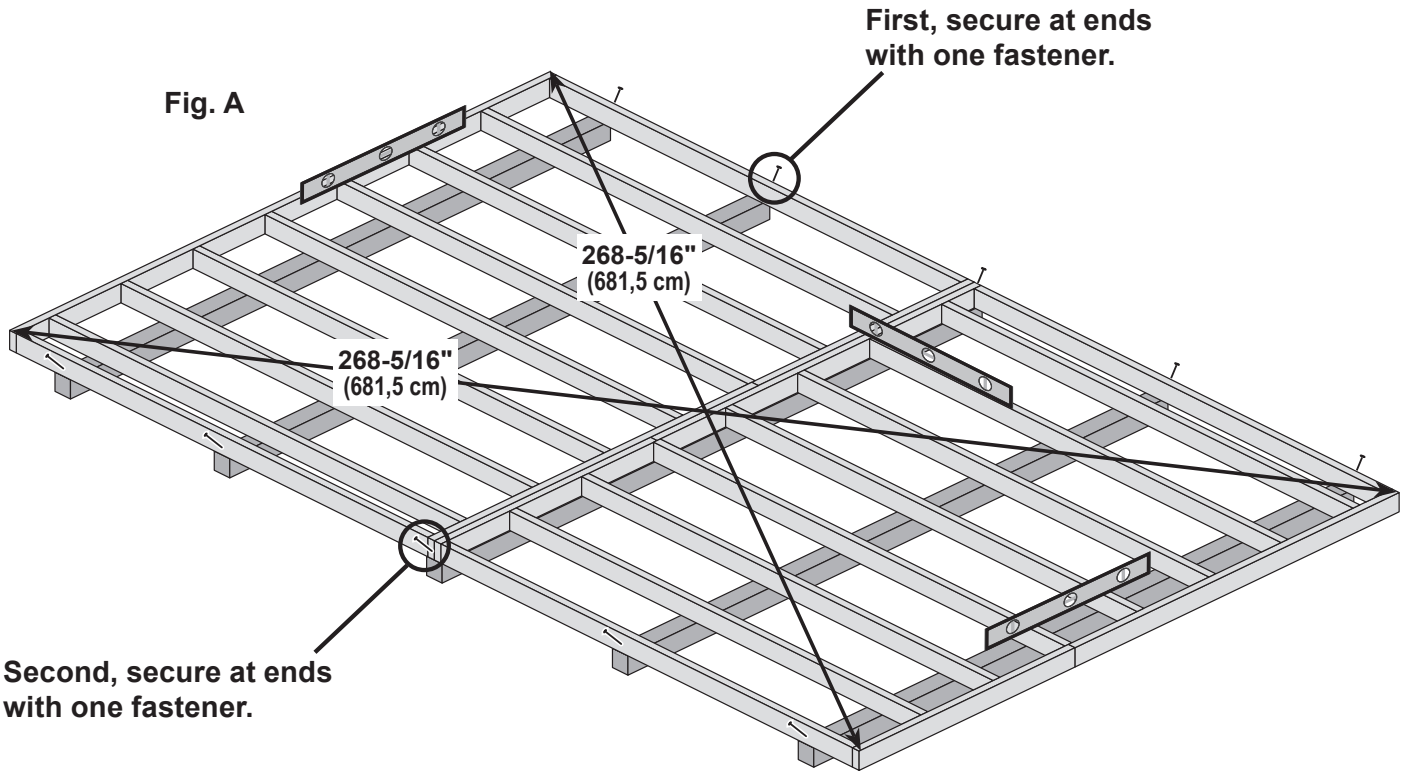
1. ⚠ See page 12 for the preferred floor leveling method.

2. Use level and ensure the frame is level before applying floor panels.

3. Check for frame squareness by measuring diagonally across corners. If the measurements are the same, the frame is square. The diagonal measurement will be approximately 268-5/16" (681,5 cm).

4. When the frame is level and square secure one side of frame to the 4x4 runners using one fastener at ends of each runner. Move to the opposite end of the frame. Secure the frame to 4x4 runners with one fastener at ends of each runner making sure the frame remains square **(Fig. A)**.

Fig. A



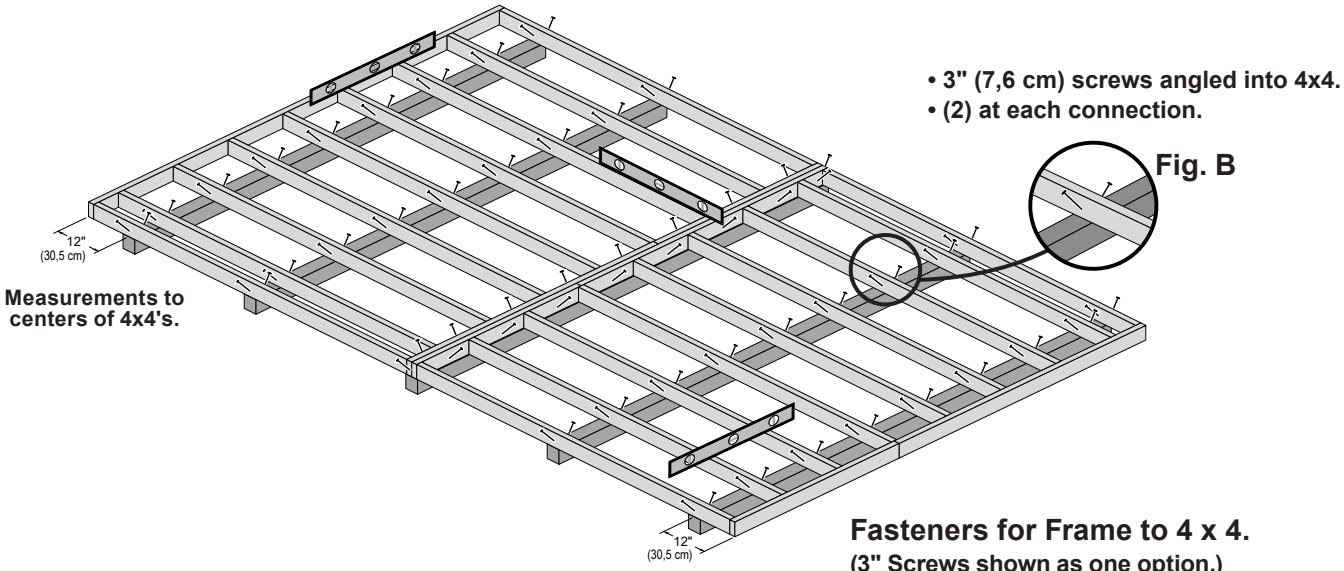
FINISH

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

OPTIONAL WOOD FRAME 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 - 4 x 4 TREATED RUNNERS (Typical for 10' x 16' Kit)



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

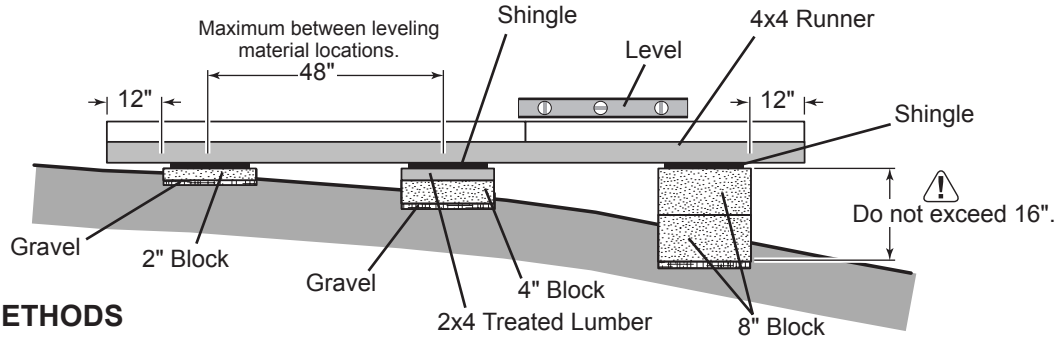
MATERIAL REQUIRED

☐ **x5** 4' x 4' x 10' (10,2 x 10,2 x 304,8 cm) Treated Lumber

☐ **x90** 3" (7,6 cm)

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

⚠ **Always support frame seams.**



LEVELING METHODS

- Level under 4 x 4 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.

FLOOR PANELS

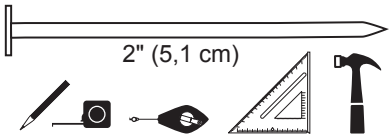
PARTS REQUIRED:

x2

5/8 x 23-7/8 x 96"
(1,6 x 60,6 x 243,8 cm)

3/4" GAUGE BLOCK

x8



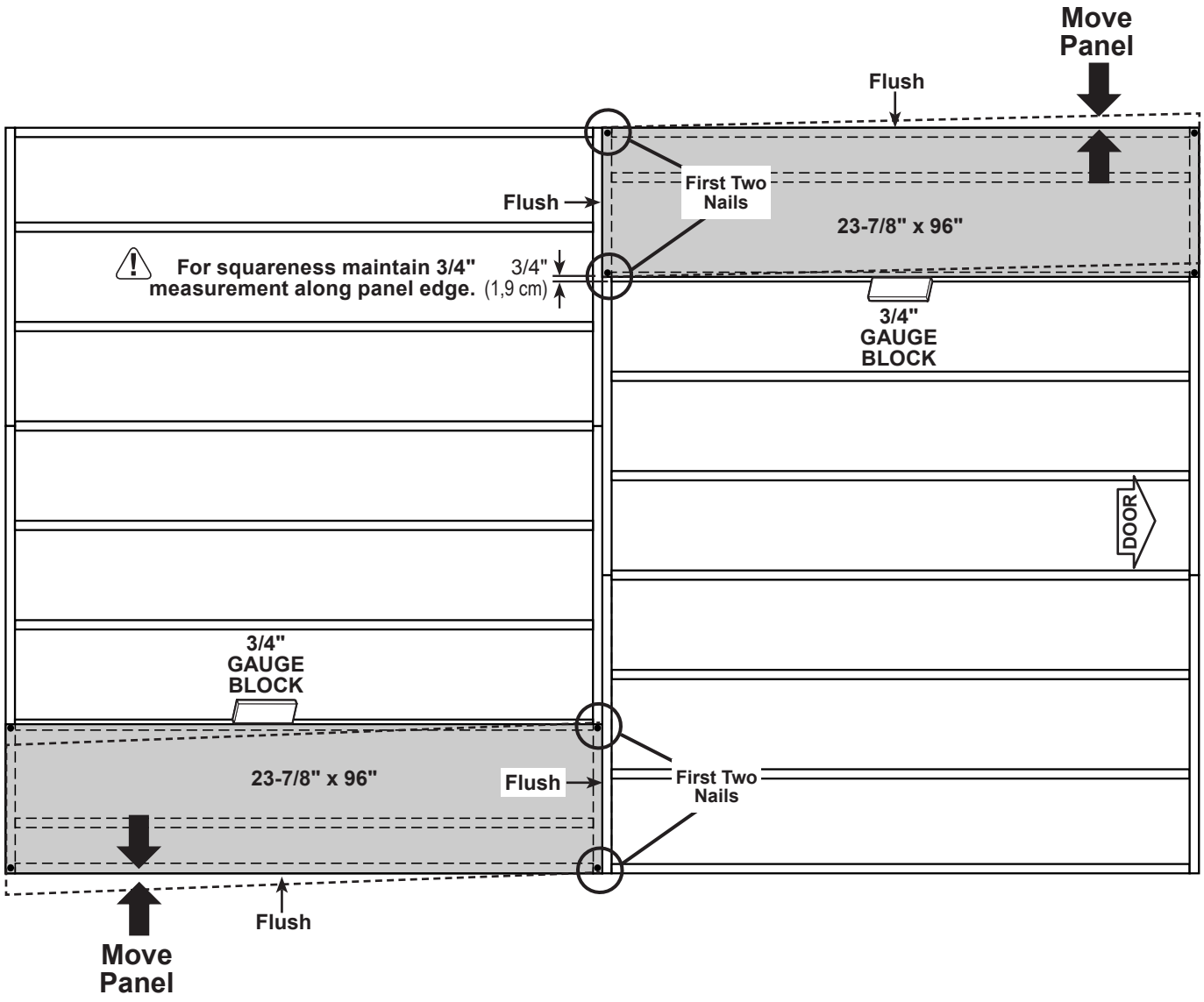
Install floor panels with the rough side facing up (painted grid lines).

BEGIN

1 Install (1) **23-7/8" x 96"** panel on one of the 96" x 144" floor frame sections, edge flush to the seam between the floor frames and 3/4" along the floor joist.
Use the GAA gauge block for the 3/4" measurement.
Secure panel with (1) 2" nail in the first two corners on inner bond board, as shown.

2 Move to the opposite side. Using the long edge of the panel as a lever, move the panel side-to-side until the loose corner is flush to the floor frame. Secure panel with (2) more nails in the opposite corners.

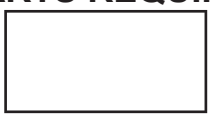
Repeat steps to install the next 23-7/8" x 96" panel.



FLOOR PANELS

PARTS REQUIRED:

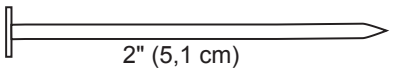
x4



5/8 x 48 x 96"
(1,6 x 121,9 x 243,8 cm)

3/4" GAUGE BLOCK

x334



2" (5,1 cm)

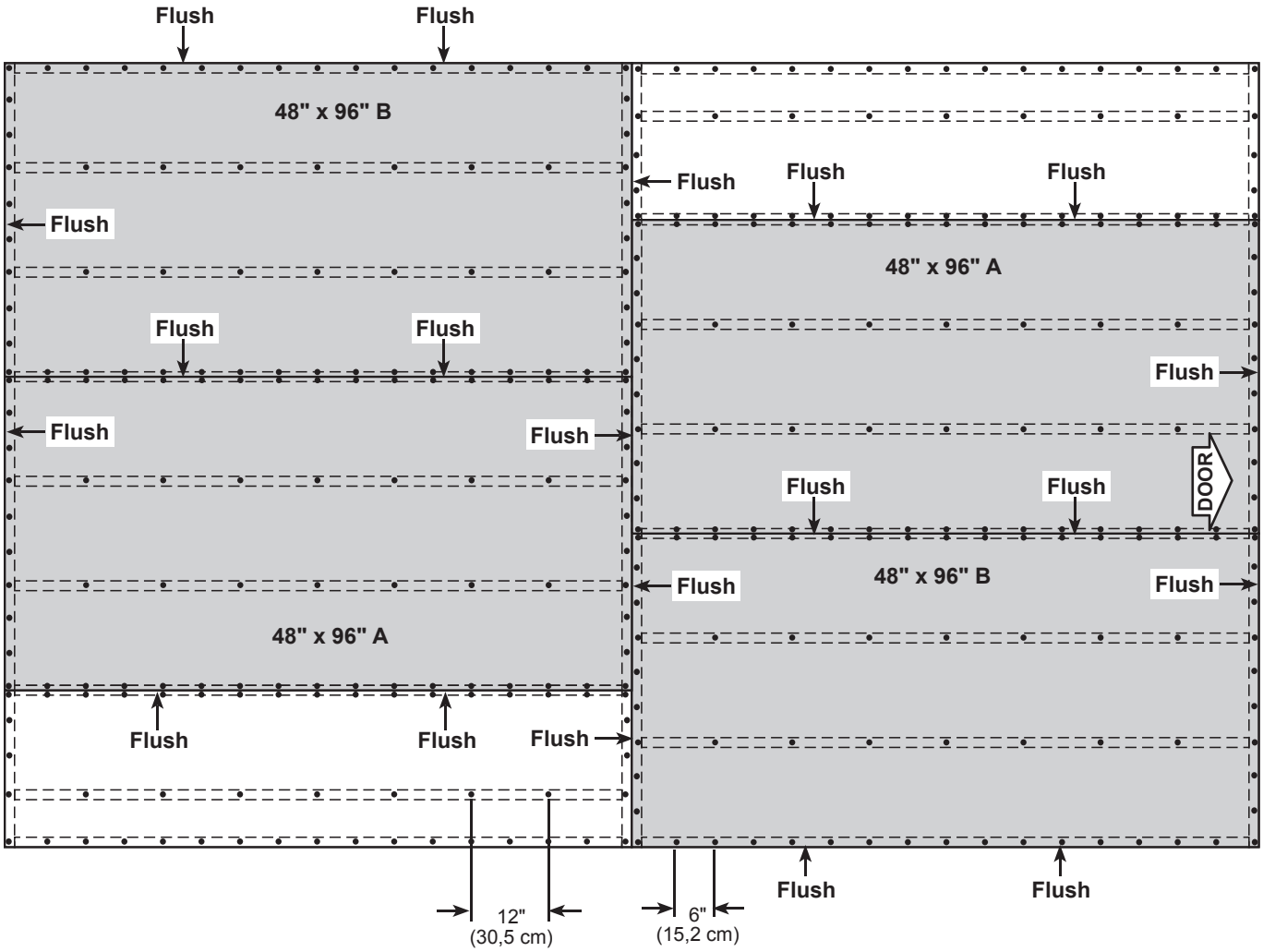
3 Continue installing the remaining panels in the following order:

1. 48 x 96" (A)
2. 48 x 96" (B)

Secure panels with (1) 2" nail in each corner. All panels should be flush, as shown.

4 Ensure the floor is square by measuring diagonally across the frame corners. If the measurements are the same your floor frame is square. The measurement will be approximately 187-1/2" (476,3 cm).

5 Continue securing all panels with 2" nails spaced 6" apart on edges and 12" apart inside panel.



FINISH

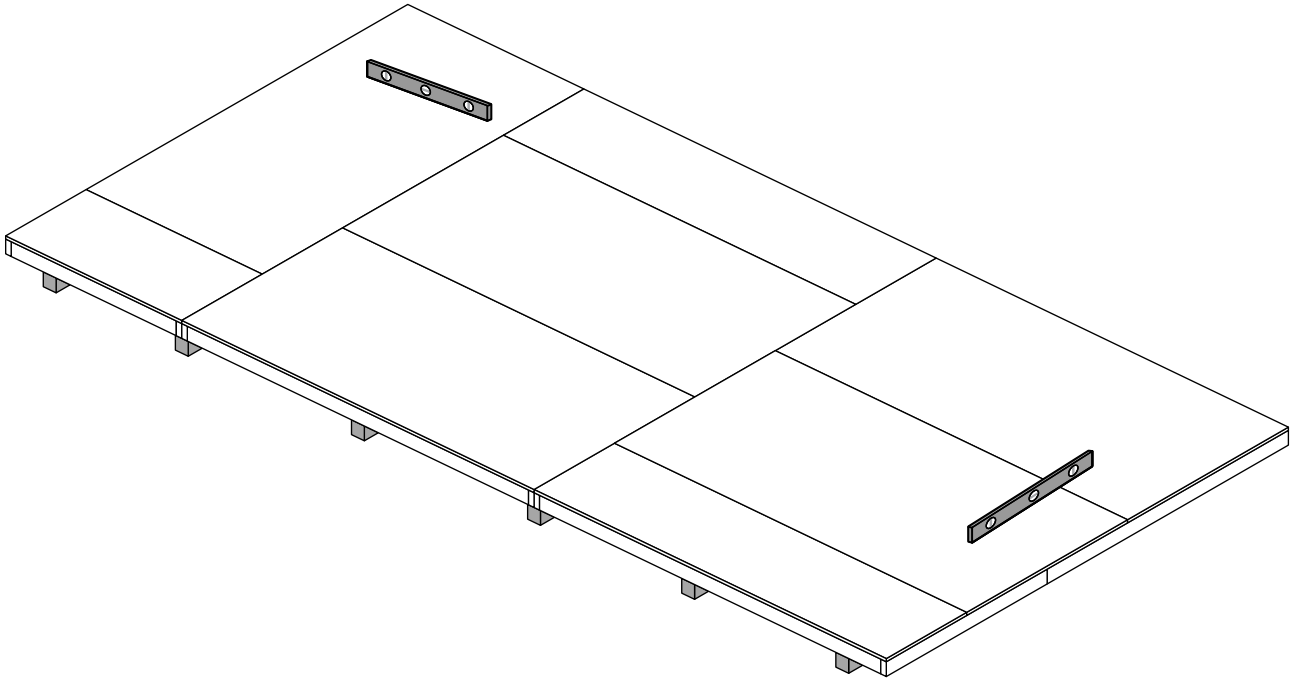
Your floor panels are now installed.

IMPORTANT!

STOP!

Ensure the floor frame is level after installing floor panels.

Re-level if needed.

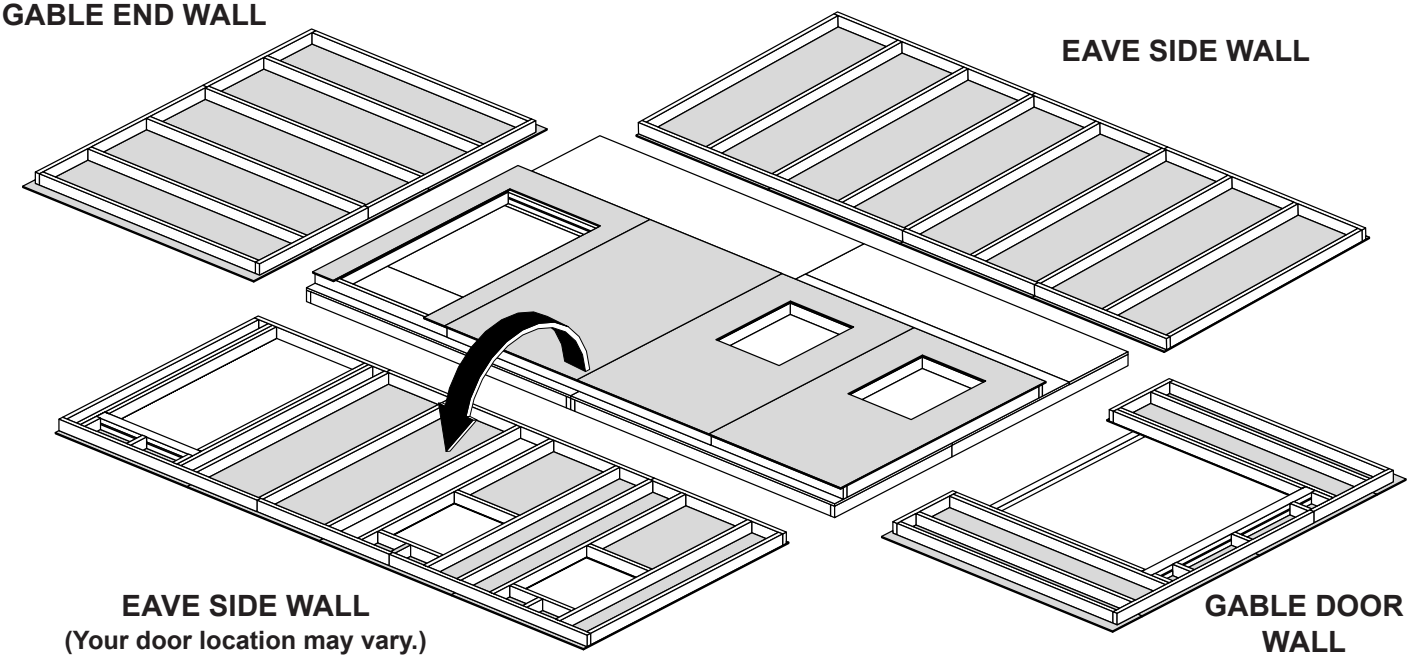


HINT:

- **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.**

GABLE END WALL

EAVE SIDE WALL



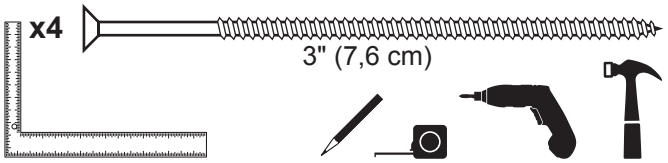
EAVE SIDE WALL
(Your door location may vary.)

GABLE DOOR WALL

RAFTER ASSEMBLY

PARTS REQUIRED:

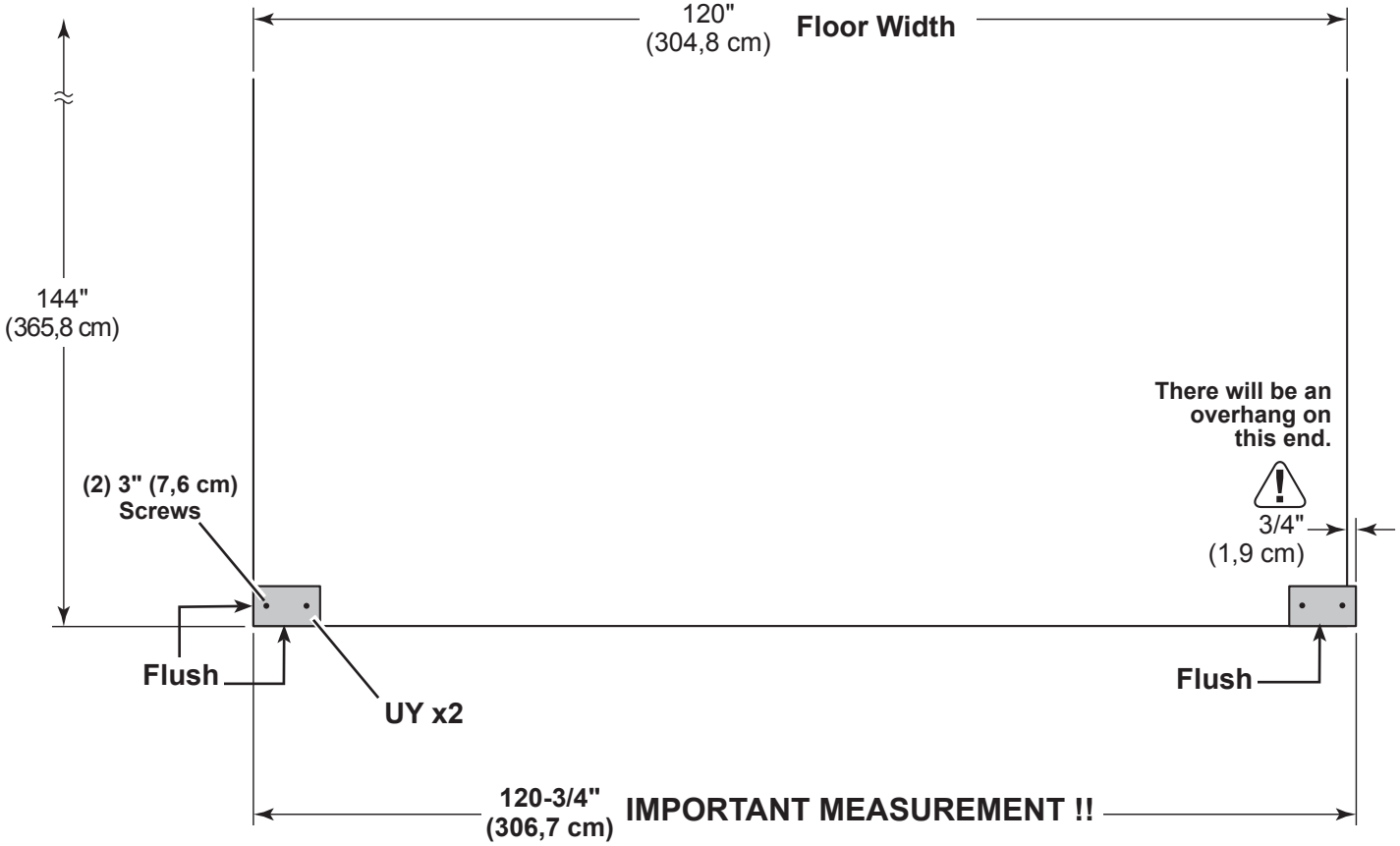
x2 UY 2 x 4 x 6-1/2" (5,1 x 10,2 x 16,5 cm)

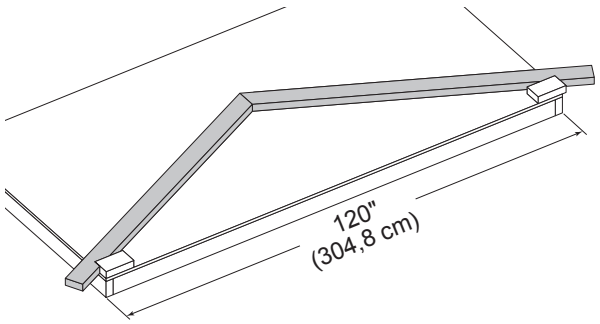


It is very important to assemble your rafters using the following method for an even and flat roof.

BEGIN

1 Secure (1) **UY** flush to the floor deck with (2) 3" screws.
Measure over 120-3/4" and install a second **UY** flush to the floor deck. **UY** will overhang floor.
Secure with (2) 3" screws.





FINISH

You have finished building the main roof rafter jig. Proceed to assemble your rafters.

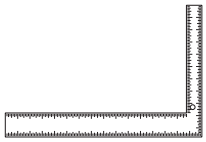
RAFTER ASSEMBLY

PARTS REQUIRED:

x16 **OSB OR WOOD GRAIN**
6 x 24" (15,2 x 61 cm)

x18 **ECN**
2 x 4 x 75-1/4" (5,1 x 10,2 x 191,1 cm)

x 192
2" (5,1 cm)



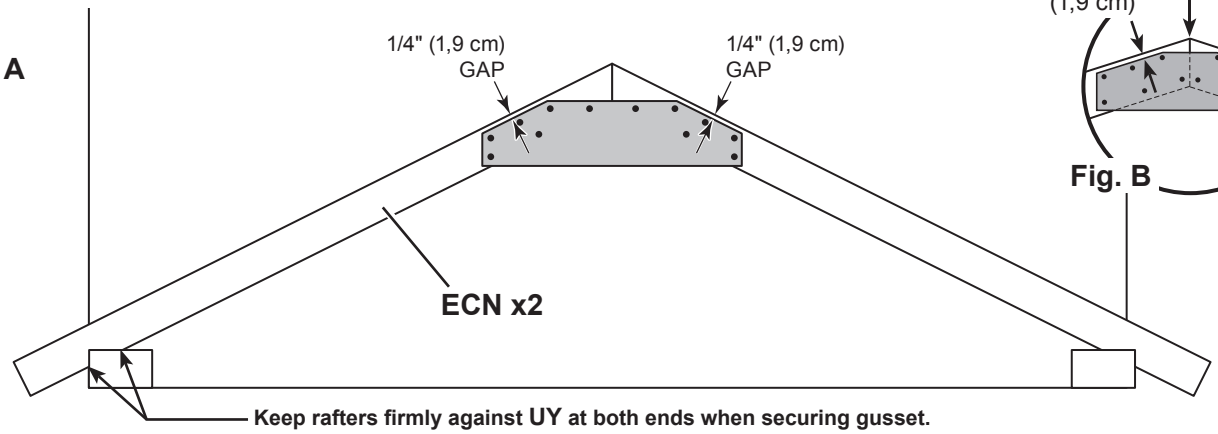
Build (2) rafter assemblies with (1) gusset (Fig. C).

BEGIN

1 Place (2) rafters **ECN** in the jig, as shown. Hold **ECN** firm against outside **UY**'s as shown **(Fig.A)** and push rafters tight to the middle **UY**. Rafters should touch at tips **(Fig. B)**.

2 Place gusset on **ECN**, holding a 1/4" gap from edge **(Fig. B)** and keeping rafters firm, as instructed. Secure the gusset to the rafters with (12) 2" nails in the pattern shown **(Fig. B)**.

Fig. A



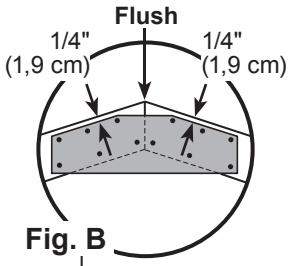


Fig. B

SET ASIDE THESE TWO RAFTER ASSEMBLIES.

Build 7 rafter assemblies with (2) gussets (Fig. D).

3 Place two rafter-halves **ECN** in the jig, as shown (STEP - 1).
Flush rafters at peak. Secure gusset to rafters with 2" nails following the pattern shown **(FIg. B)**.

4 Flip rafters over and fasten a second gusset with (12) 2" nails. No need to use jig for the 2nd gusset.

Fig. C - ***Build 2***

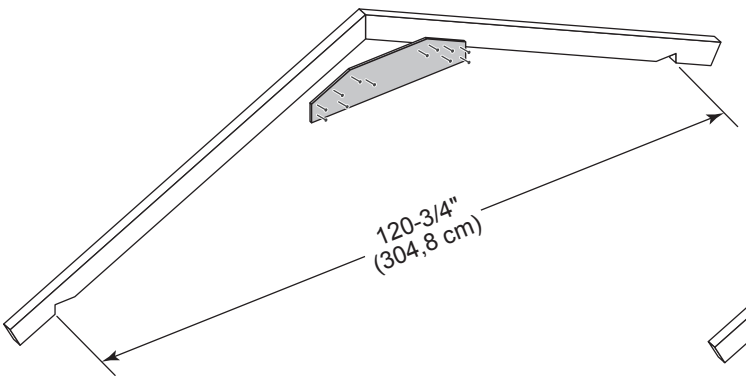
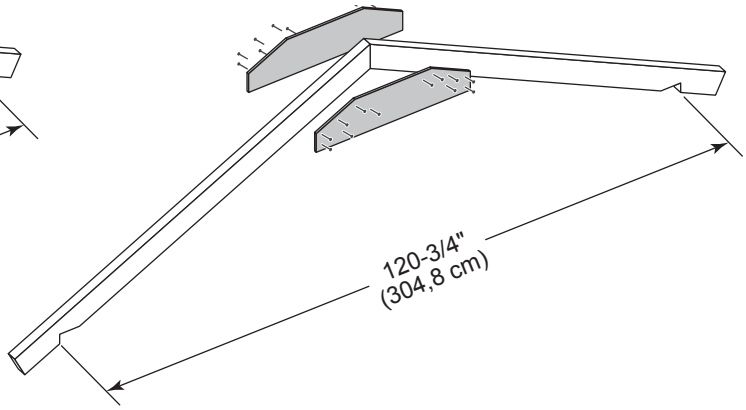


Fig. D - ***Build 7***



FINISH

You have finished assembling your rafters. Remove jig parts **UY** from floor.

DOUBLE DOOR FRAME UNIT

STOP!

Assemble the double door frame unit before building any walls!

Any wall with a door will require this assembly.

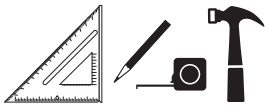
STOP!

PARTS REQUIRED:

x2 **AM**
2 x 4 x 67" (5,1 x 10,2 x 170,2 cm)

x1
7/16 x 3-1/4 x 66-3/4" (1,1 x 8,3 x 170,2 cm) *OSB*

x18
3" (7,6 cm)



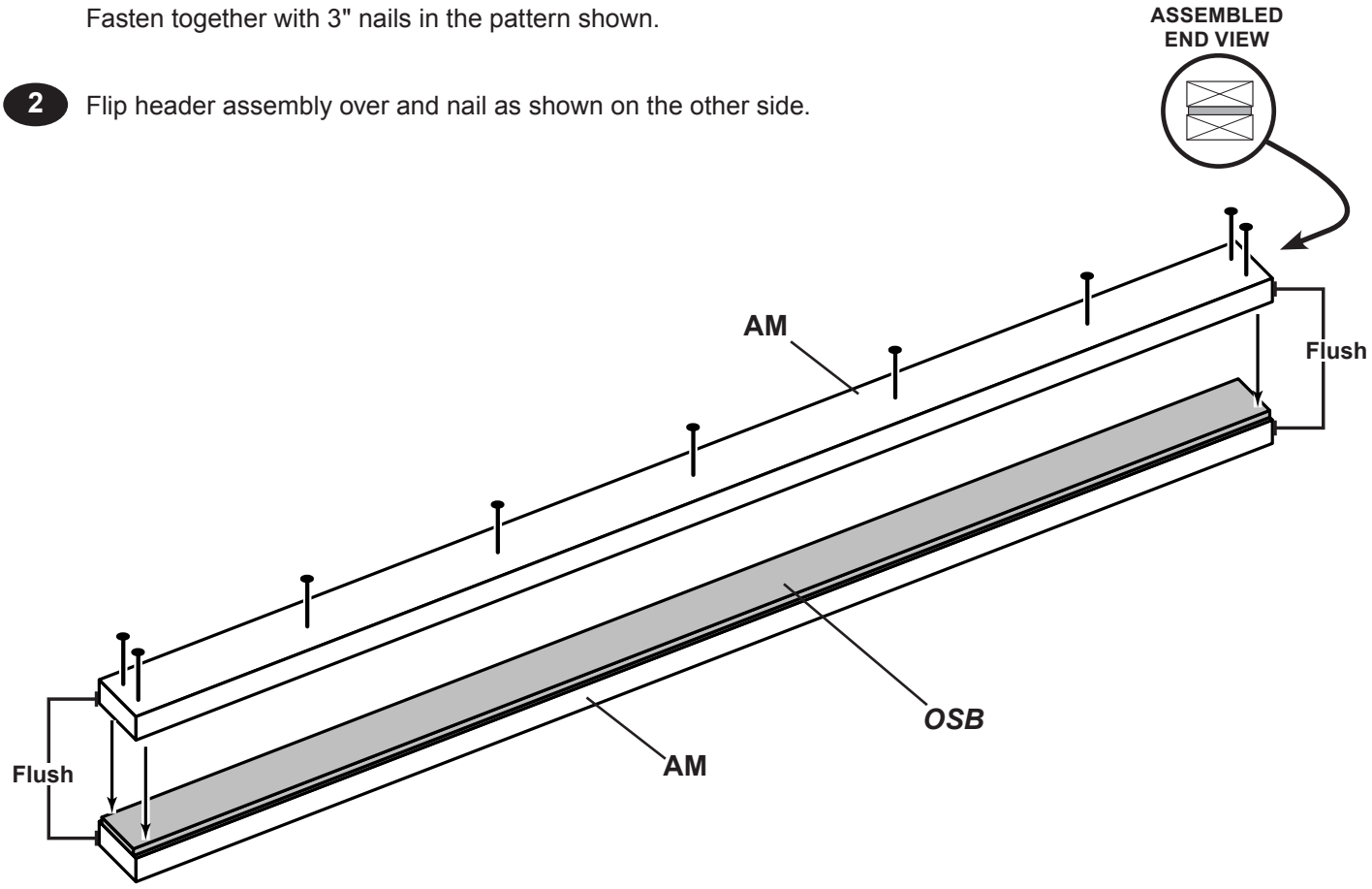
Pre-assemble the door header.

✓**BEGIN**

1 Place (1) **AM** and *OSB* end-to-end on flat surface, flush in middle.
Center ***OSB*** on top of **AM**.

Fasten together with 3" nails in the pattern shown.

2 Flip header assembly over and nail as shown on the other side.



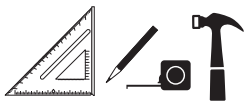
DOOR FRAME UNIT

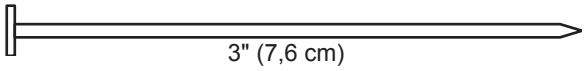
PARTS REQUIRED:

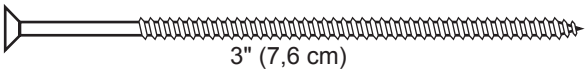
x5 UY
2 x 4 x 6-1/2" (5,1 x 10,2 x 16,5 cm)

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

x2 AI
2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)



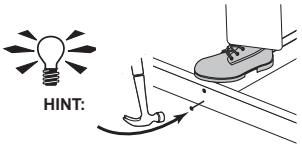
x28

3" (7,6 cm)

x6

3" (7,6 cm)

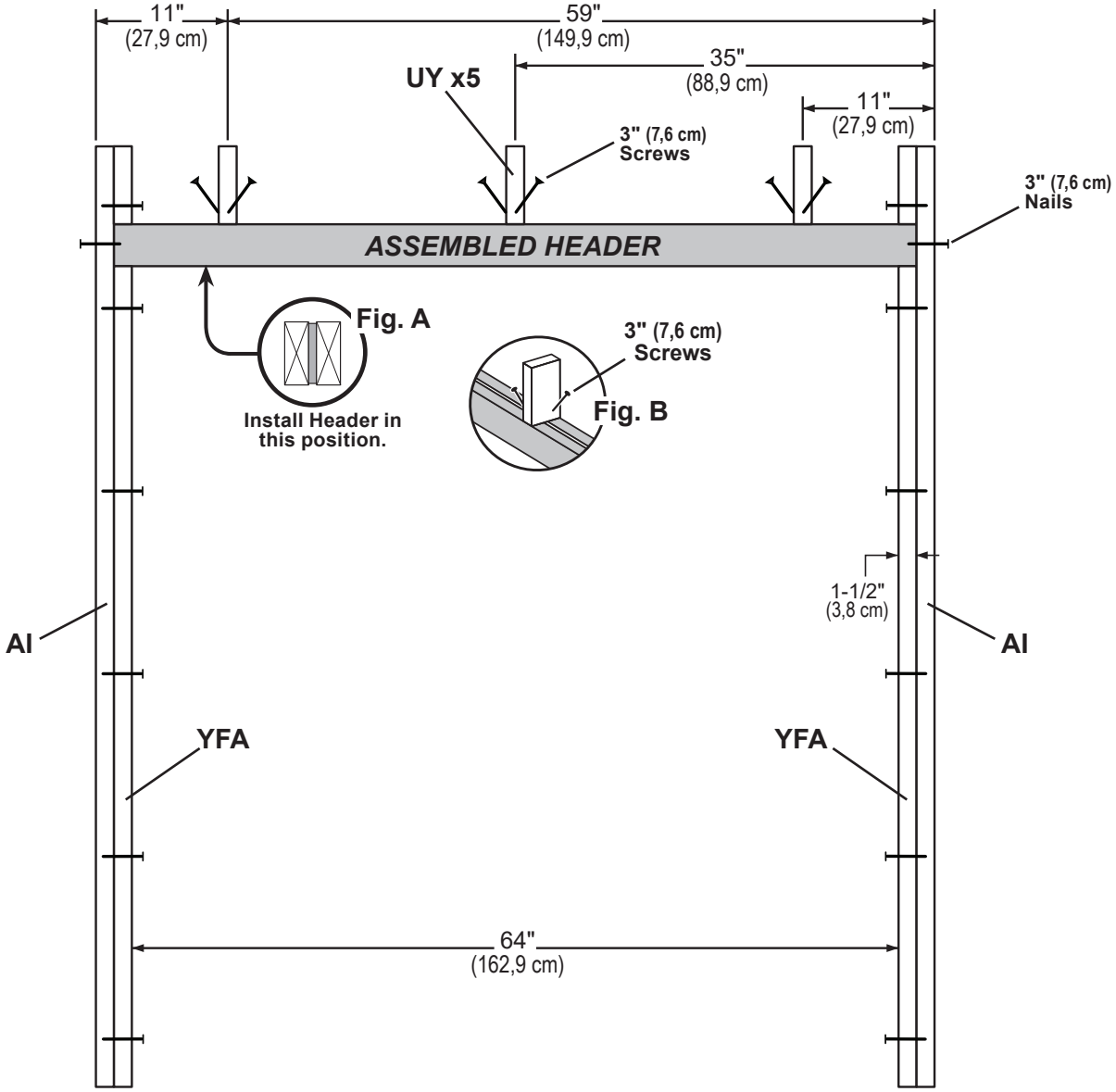
x1 Assembled Header

---

3 Arrange parts on edge on floor, as shown. Measure and mark from end of boards.
Orient **Assembled Header** on flat side **(Fig. A)**.
Secure with (2) 3" nails at each connection.



4 Fasten (3) middle parts **UY** to **Pre Assembled Header** with (2) 3" screws **(Fig. B)**.
Secure parts **UY** to top plates with (2) 3" nails at each connection and (4) 3" nails at seam.



FINISH

Your door frame unit is now assembled.

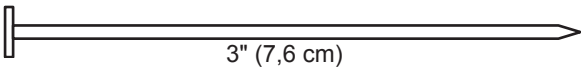
SINGLE DOOR FRAME UNIT

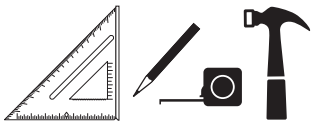
STOP! ***Assemble this single door header before building any walls!*** STOP!

PARTS REQUIRED:

x2 **QT**
2 x 4 x 35" (5,1 x 10,2 x 88,9 cm)

x1
7/16" x 3-3/16" x 34-3/4" (1,1 x 8 x 88,2 cm) *OSB*

x12

3" (7,6 cm)

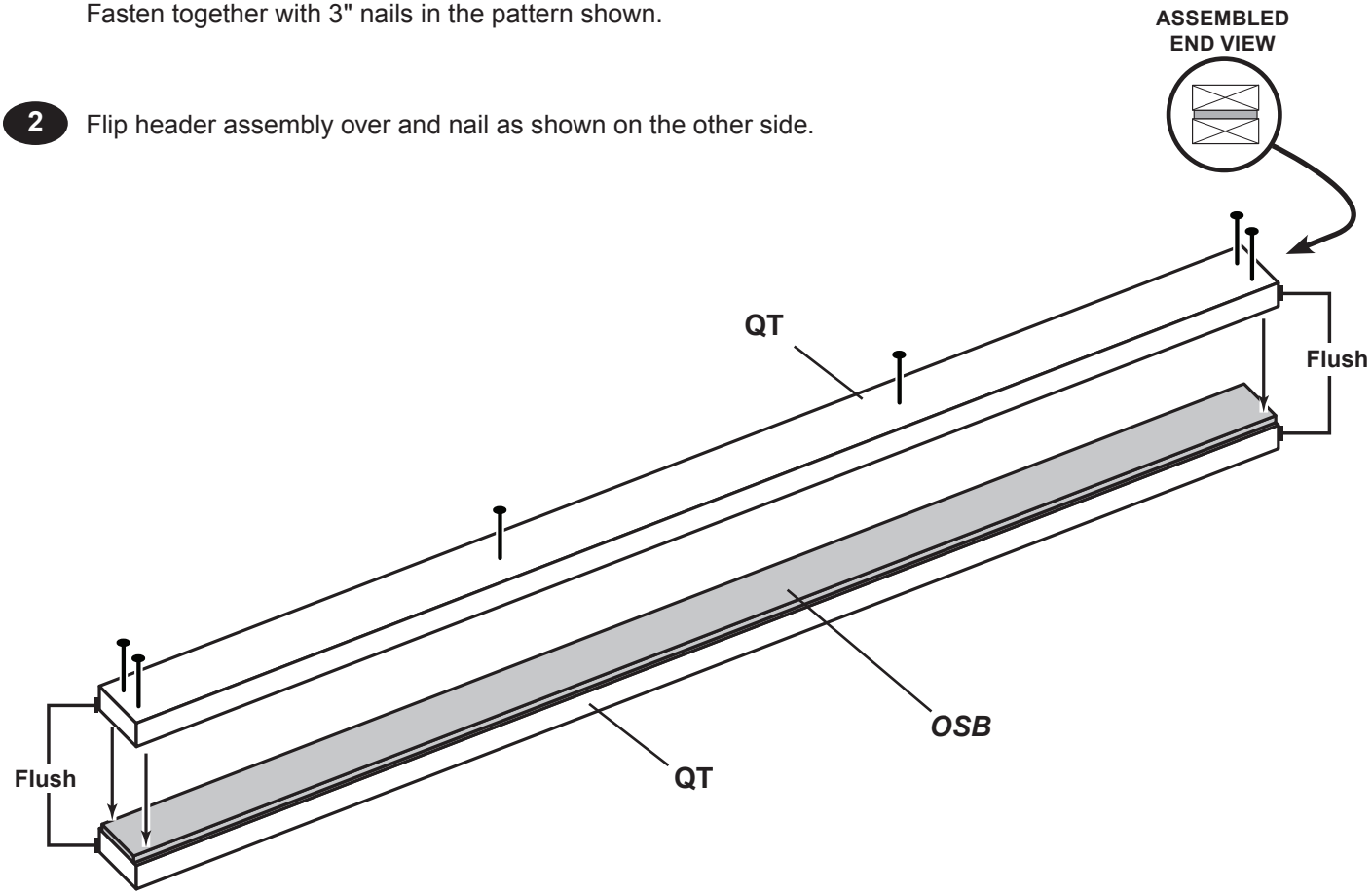


BEGIN

1 Place (1) **QT** and *OSB* end-to-end on flat surface, flush in middle.
Center *OSB* on top of **QT**.

Fasten together with 3" nails in the pattern shown.

2 Flip header assembly over and nail as shown on the other side.

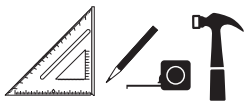


FINISH

Your door header is now assembled.

SINGLE DOOR FRAME UNIT

PARTS REQUIRED:



x28 — 3" (7,6 cm)

x2 — 3" (7,6 cm)

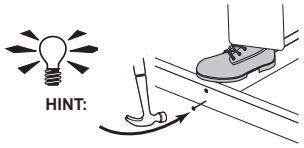
x3 UY
2 x 4 x 6-1/2" (5,1 x 10,2 x 16,5 cm)

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

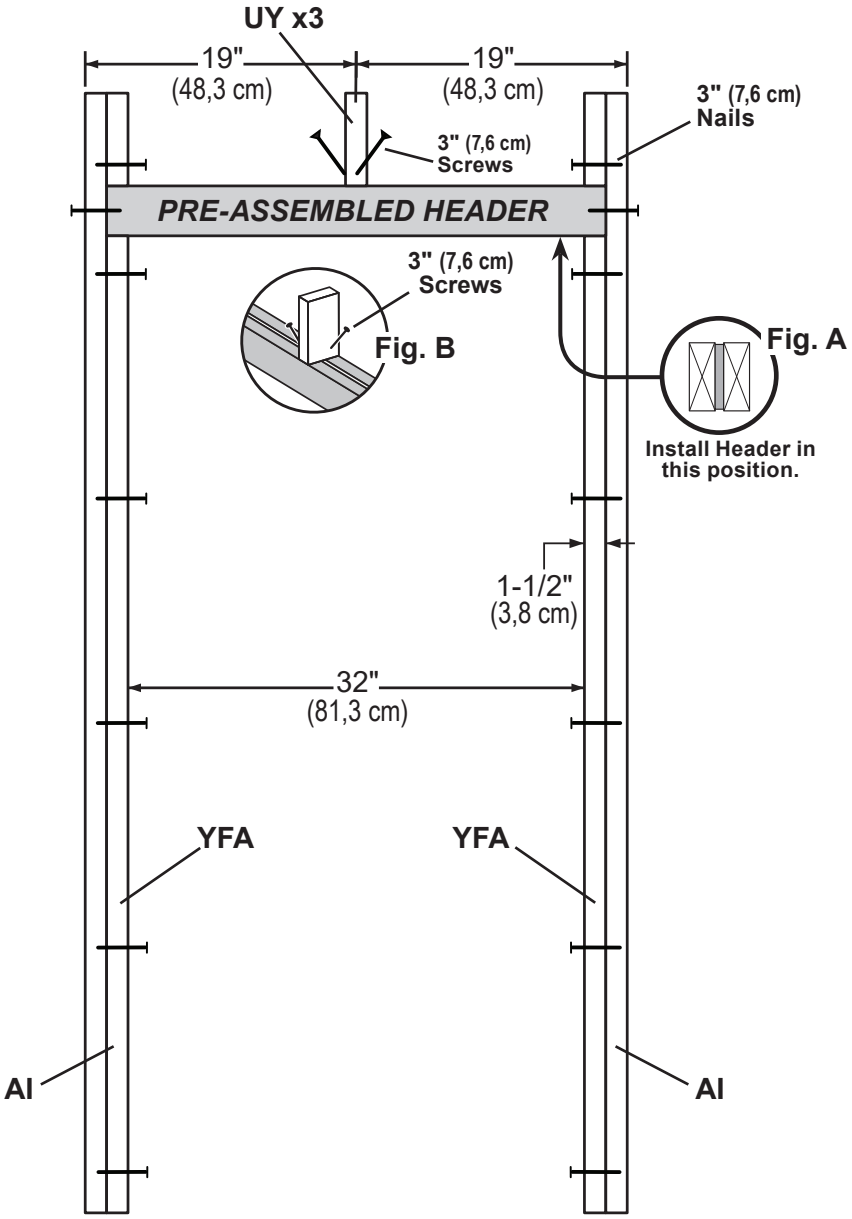
x2 AI
2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)

x1 Pre Assembled 36" Header

3 Arrange parts on edge on floor, as shown. Measure and mark from end of boards. Orient **Pre Assembled Header** on flat side **(Fig. A)**. Secure with (2) 3" nails at each connection.



4 Fasten the middle (1) **UY** to **Pre Assembled Header** with (2) 3" screws **(Fig. B)**. Secure outer **UY** to two door studs **YFA** with (4) 3" nails, as shown.



FINISH

Your single door frame unit is now assembled.

WALL PANEL INSTALLATION HINTS & EXAMPLES

PARTS REQUIRED:

x40 — 2" (5,1 cm)

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

GAA 3/4" GAUGE BLOCK

2x3" TEMP. SPACER

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

Install all wall panels with the primed side facing up.

BEGIN

1 Place a **48" X 84"** panel on the wall frame, as shown.
Locate the panel 1-1/2" above the top plate.
Use a 2 x 3 as a gauge block for the 1-1/2" top overhang measurement.
Use the gauge block to mark the 3/4" side measurement on the wall stud.
Secure panel with (2) 2" nails in the corners **(Fig. A).**

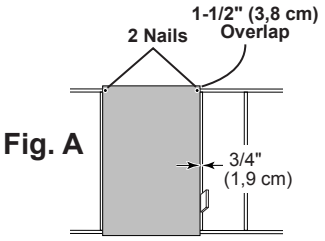


Fig. A

2 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 (2) 2" nails **(Fig. B)**.
Secure panel with 2" nails spaced 6" apart on edges and 12" apart inside panel.

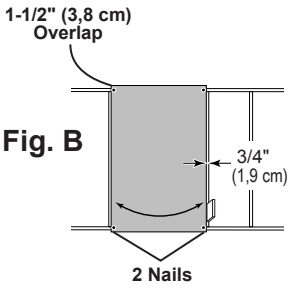
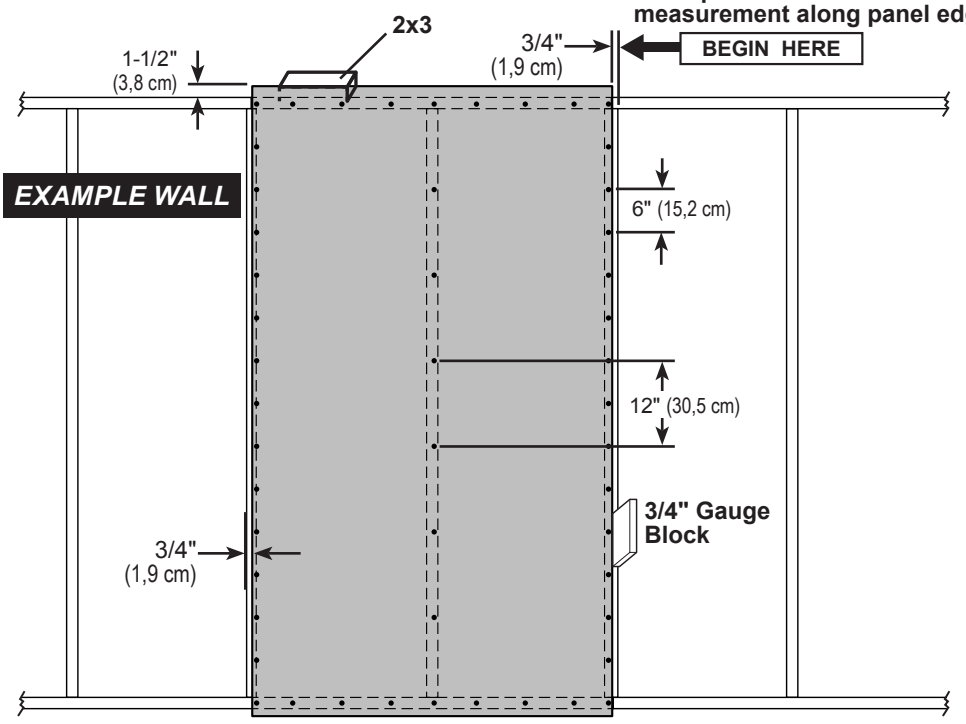


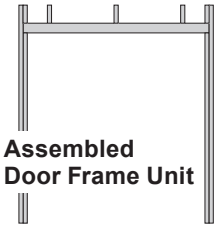
Fig. B

For squareness maintain 3/4" and 1-1/2" measurement along panel edge.



GABLE WALL WITH DOOR

PARTS REQUIRED:



x2 KHA — 2 x 4 x 24-1/2" (5,1 x 10,2 x 62,2 cm)

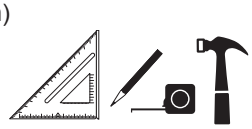
x40 — 3" (7,6 cm)

x1 QS — 2 x 4 x 32-1/2" (5,1 x 10,2 x 82,5 cm)

x2 YFA — 2 x 4 x 68" (5,1 x 10,2 x 172,7 cm)

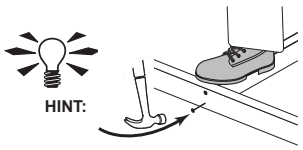
x4 AI — 2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)

x1 CGA — 2 x 4 x 80-1/2" (5,1 x 10,2 x 204,5 cm)

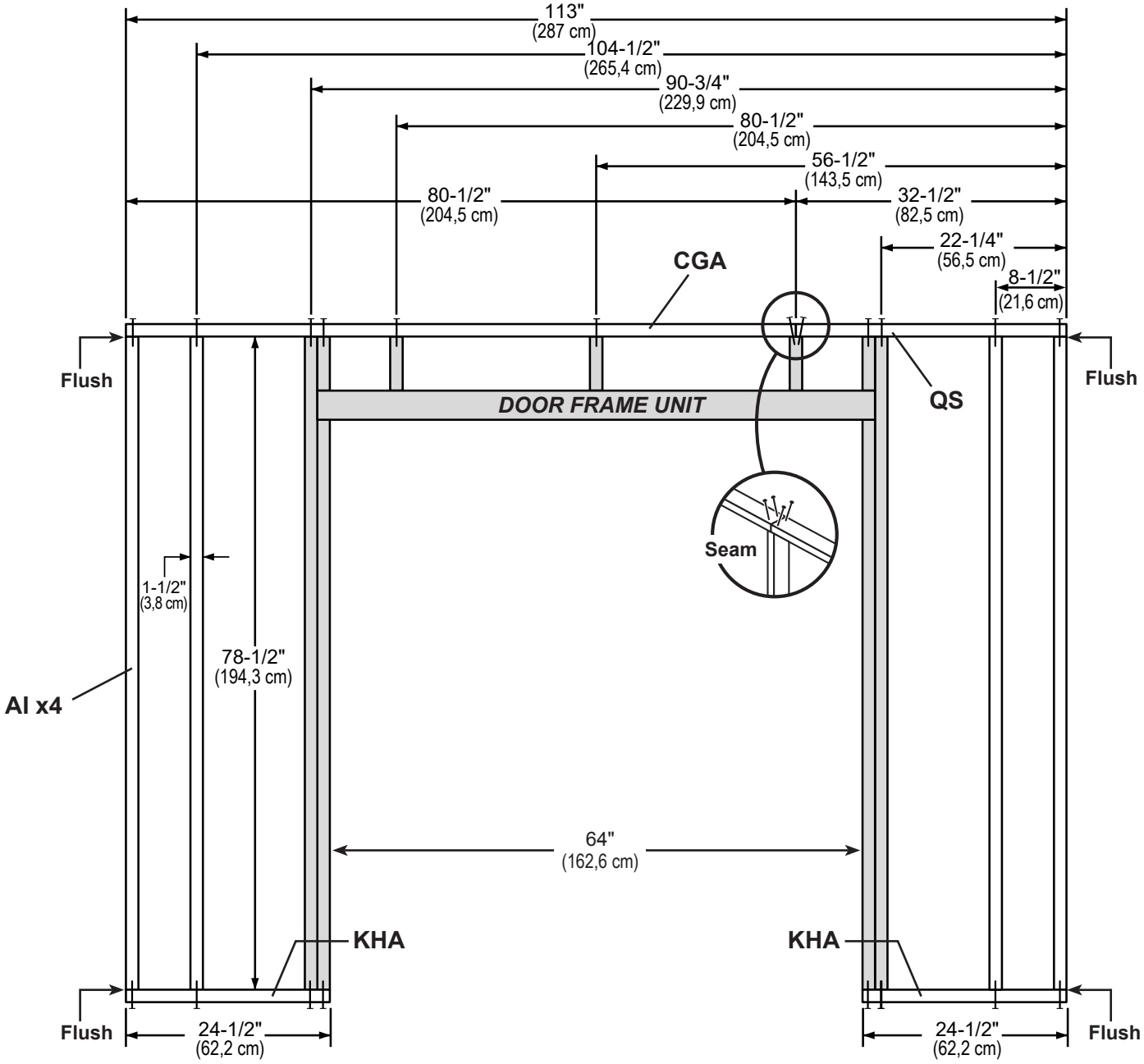


BEGIN

1



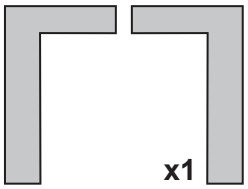
Arrange parts on edge on floor, as shown. Measure and mark from end of boards.
Place the **Door Frame Unit** at measurements shown.
Secure parts with (2) 3" nails at each connection and (4) 3" nails at seam.



GABLE WALL WITH DOOR

PARTS REQUIRED:

x2 11-7/8" x 84" (30,2 x 213,4 cm)



x2 3" (7,6 cm)

x158 2" (5,1 cm)

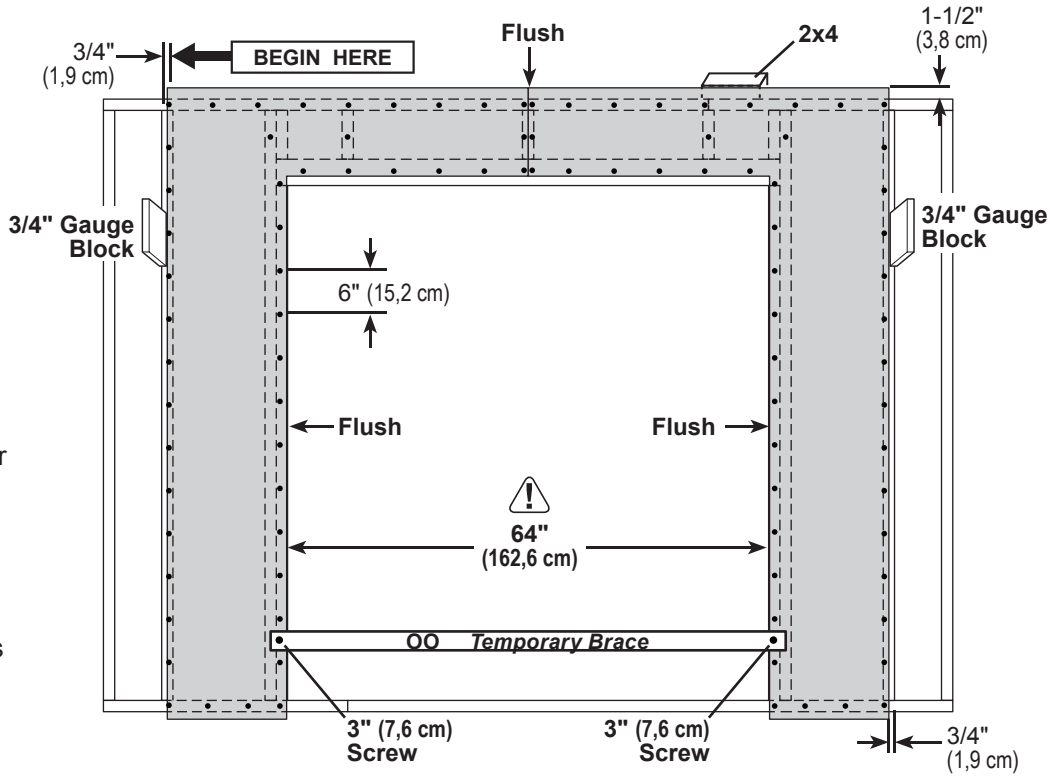
x1 OO *Temporary Brace*
69" (75,3 cm) Door Stiffener

2 Install the left panel 1-1/2" from the top plate.
Use a 2x4 spacer for consistent measurement.

Secure panel with 2" nails spaced 6" apart on edges.

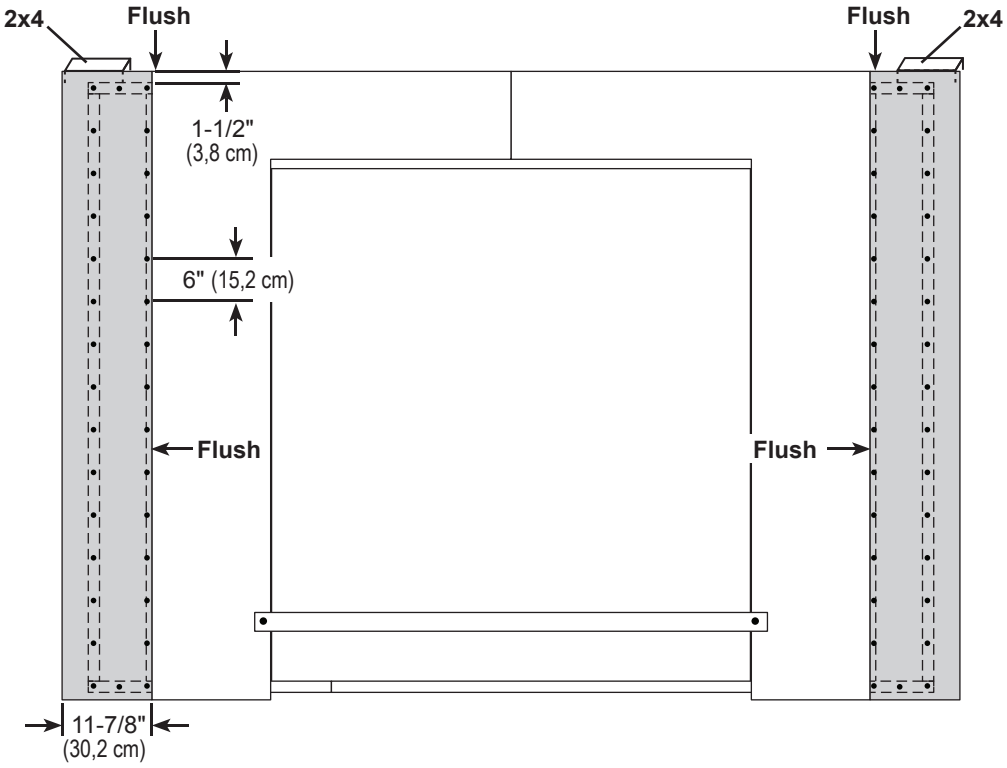
3 Install the right panel flush to installed panel, as shown.
Ensure 64" (162,8 cm) door measurement.
Use part **OO** as a temporary brace. Secure with with (2) 3" screws.

Secure panels with 2" nails spaced 6" apart on edges.



4 Install (2) **11-7/8" x 84"** panels flush to installed panels and 1-1/2" from the top plate.

Secure panels with 2" nails spaced 6" apart on edges.

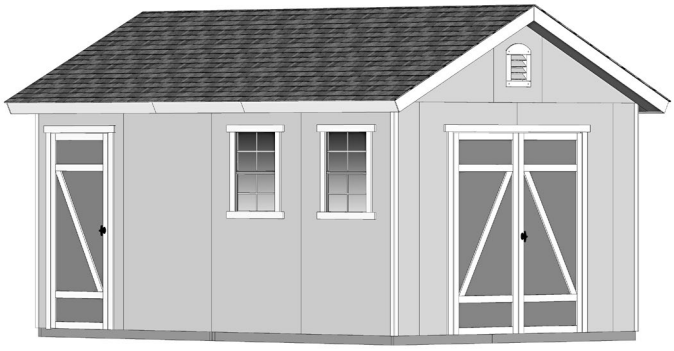


FINISH

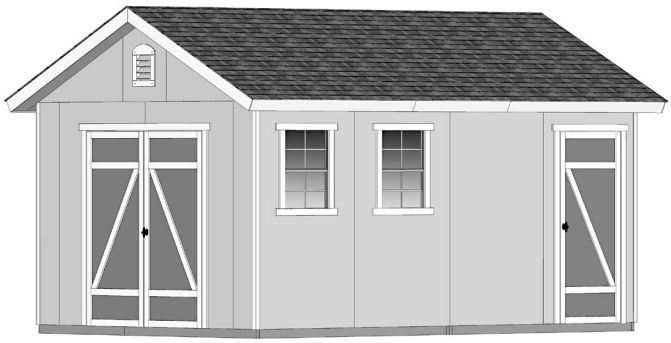
Your 10' gable wall with door is now assembled.
Carefully flip the wall over.

⚠ STOP ⚠

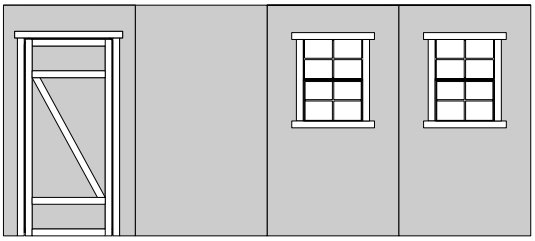
CHOOSE YOUR SINGLE DOOR LOCATION - LEFT OR RIGHT



OPTION 1

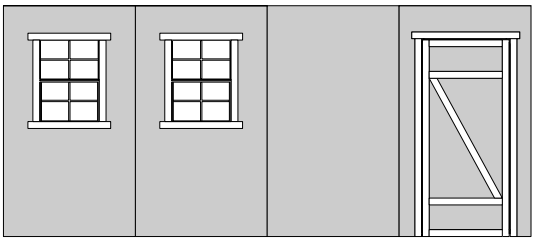


OPTION 2



OPTION 1:
DOOR LOCATION
LEFT SIDE OF EAVE WALL

IF YOU CHOOSE TO LOCATE THE *DOOR TOWARD THE LEFT*
GO TO Page 26 TO BEGIN BUILDING YOUR WALL.



OPTION 2:
DOOR LOCATION
RIGHT SIDE OF EAVE WALL

IF YOU CHOOSE TO LOCATE THE *DOOR TOWARD THE RIGHT*
GO TO Page 29 TO BEGIN BUILDING YOUR WALL.

EAVE SIDE WALL WITH DOOR LEFT

PARTS REQUIRED:

x64 3" (7,6 cm)

x2 UY 2 x 4 x 6-1/2" (5,1 x 10,2 x 16,5 cm)

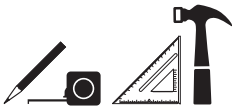
x2 AO 2 x 4 x 22-1/2" (5,1 x 10,2 x 57,1 cm)

x2 TM 2 x 4 x 72" (5,1 x 10,2 x 182,8 cm)

x3 SP 2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)

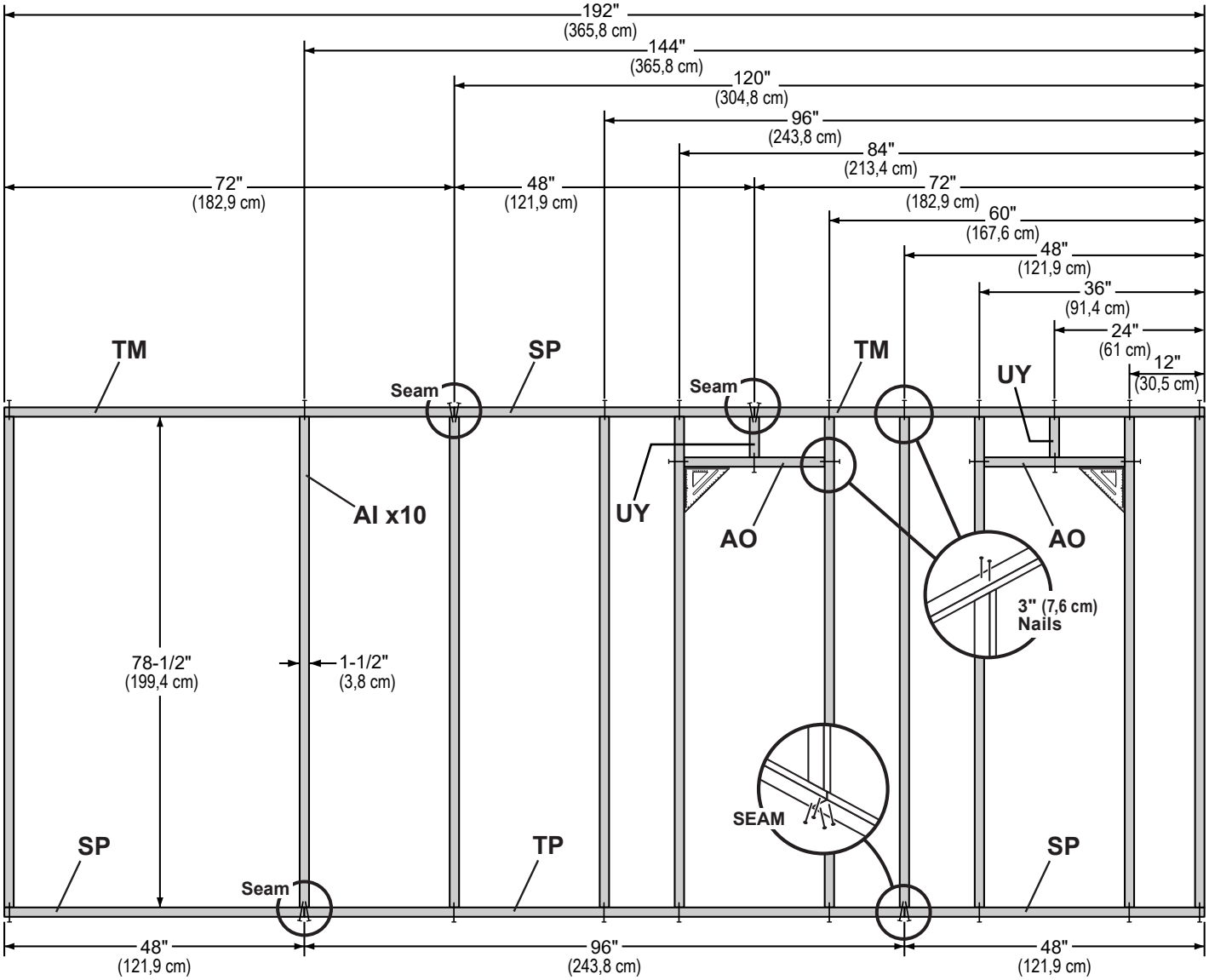
x10 AI 2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)

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



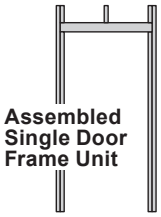
✓ **BEGIN**

1 Arrange parts on edge on floor. Measure and mark from end of boards. Secure with (2) 3" nails at each connection and (4) 3" nails at seams.



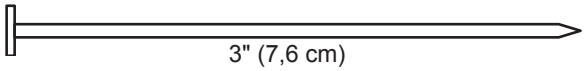
EAVE SIDE WALL WITH DOOR LEFT

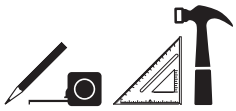
PARTS REQUIRED:



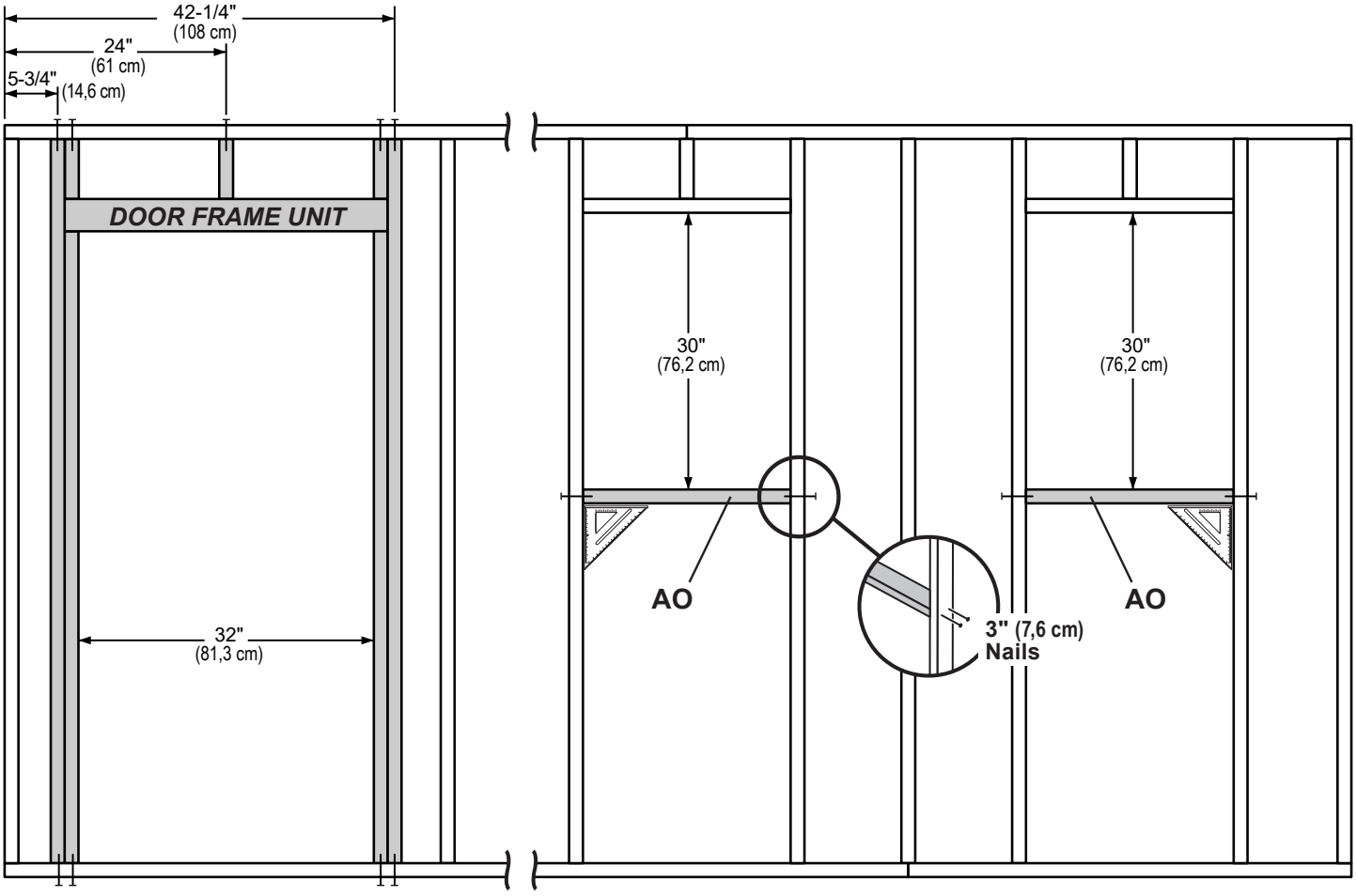
x2 **AO**
2 x 4 x 22-1/2" (5,1 x 10,2 x 57,1 cm)

x26



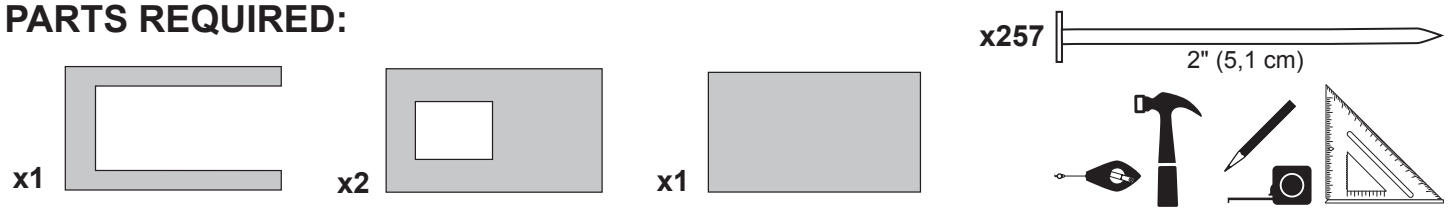


2 Arrange parts on edge on floor, as shown. Measure and mark from end of boards.
Place the **Door Frame Unit** at measurements shown.
Secure parts with (2) 3" nails at each connection.



EAVE SIDE WALL WITH DOOR LEFT

PARTS REQUIRED:

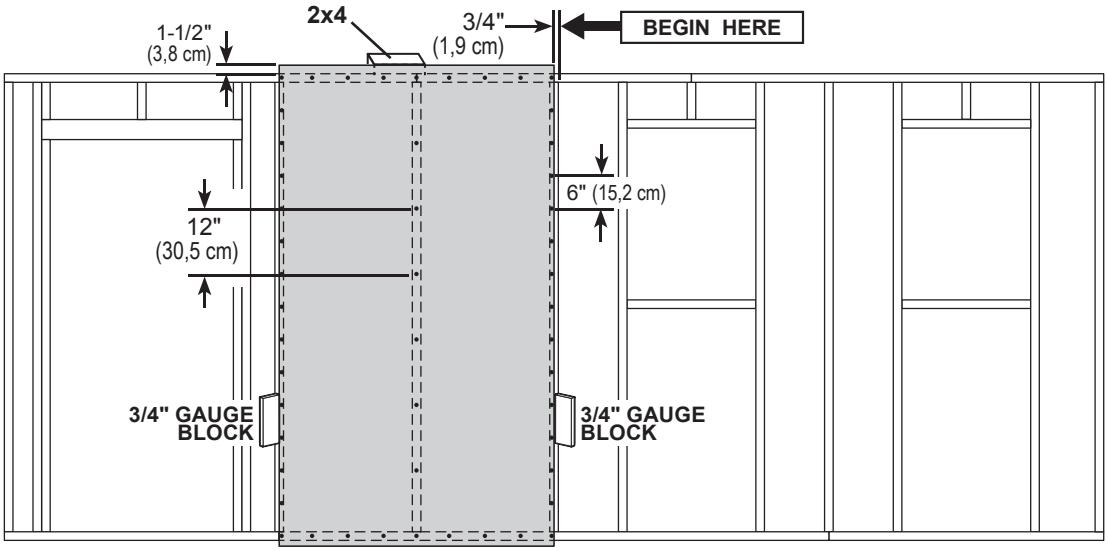


3

Install (1) **48" x 84"** panel 1-1/2" from the top plate.

Use a 2x4 spacer for consistent measurement.

Secure panel with 2" nails spaced 6" apart on edges and 12" inside panel.

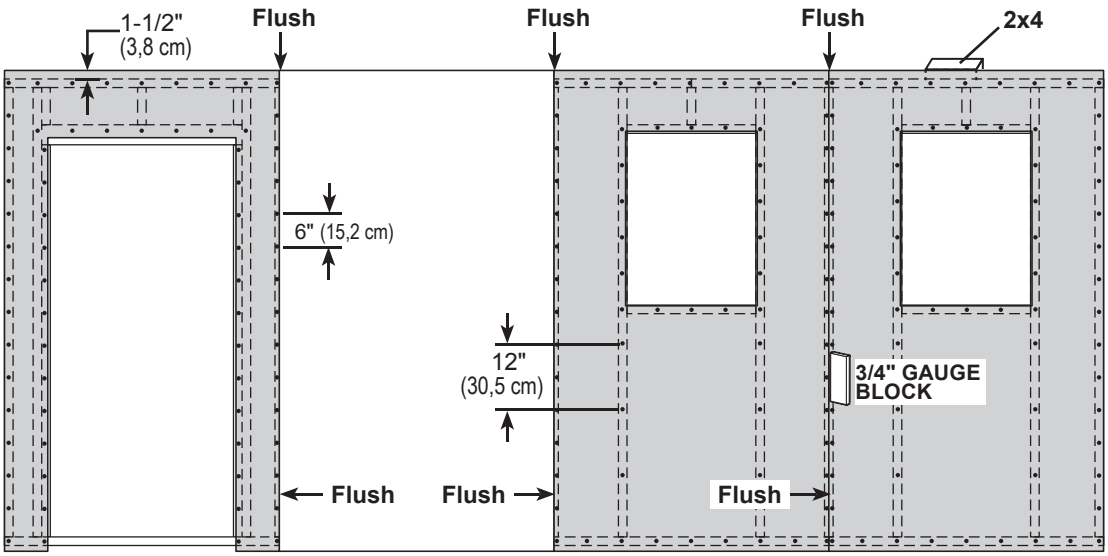


4

Install (2) **48" x 84"** window panels and (1) **48" x 84"** door panel flush to installed panels.

Locate panels 1-1/2" from the top plate.

Secure with 2" nails spaced 6" apart on edges and 12" apart inside panel.



FINISH

Your 16' eave wall is now assembled. Carefully flip the wall over.

GO TO Page 32

EAVE SIDE WALL WITH DOOR RIGHT

PARTS REQUIRED:

x64 3" (7,6 cm)

x2 UY 2 x 4 x 6-1/2" (5,1 x 10,2 x 16,5 cm)

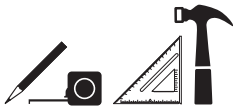
x2 AO 2 x 4 x 22-1/2" (5,1 x 10,2 x 57,1 cm)

x2 TM 2 x 4 x 72" (5,1 x 10,2 x 182,8 cm)

x3 SP 2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)

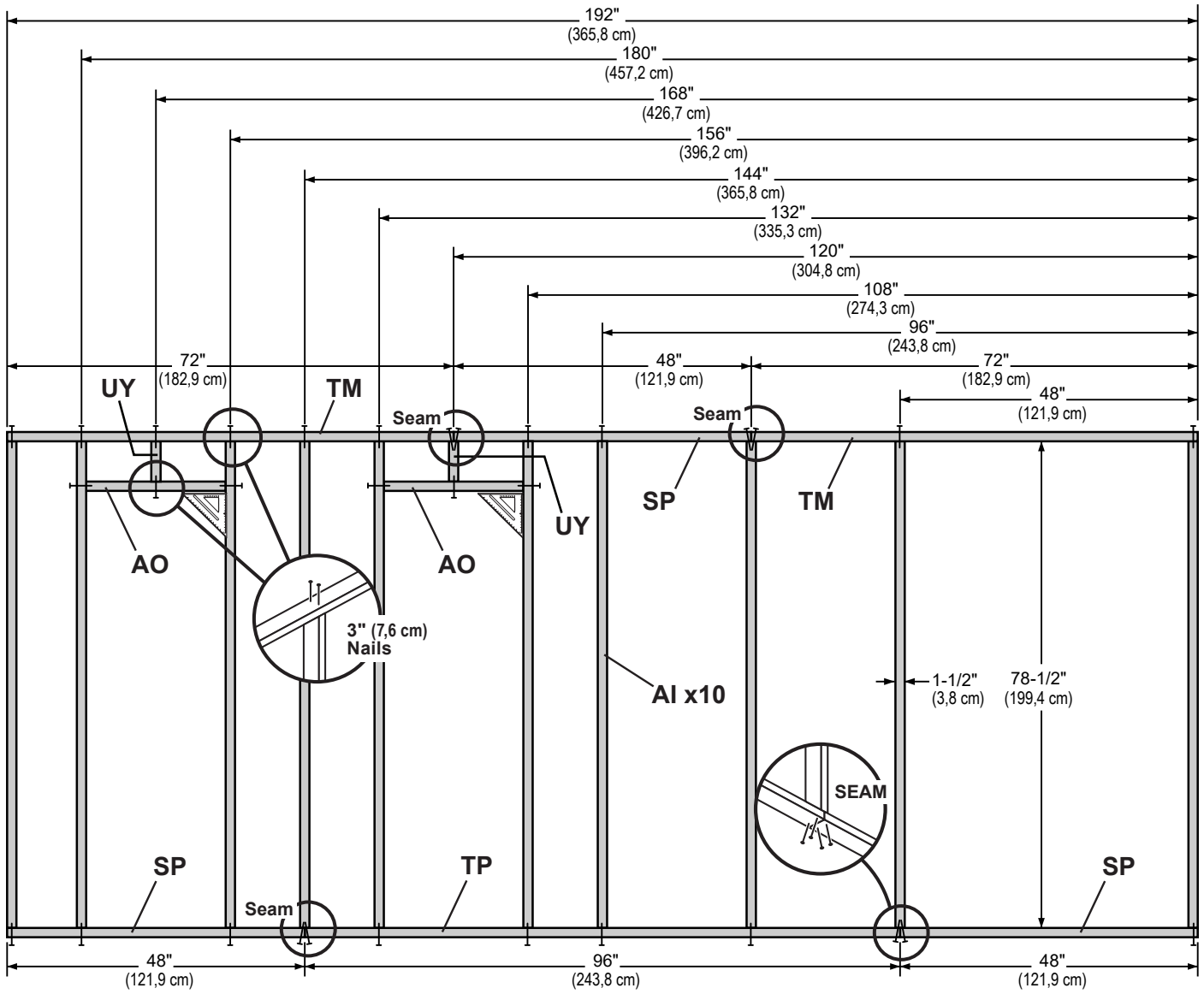
x10 AI 2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)

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



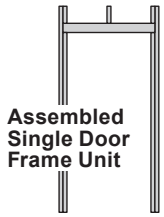
BEGIN

1 Arrange parts on edge on floor. Measure and mark from end of boards. Secure with (2) 3" nails at each connection and (4) 3" nails at seams.



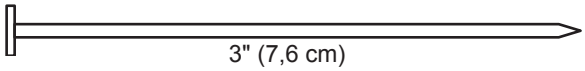
EAVE SIDE WALL WITH DOOR RIGHT

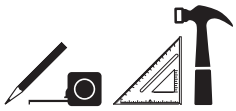
PARTS REQUIRED:



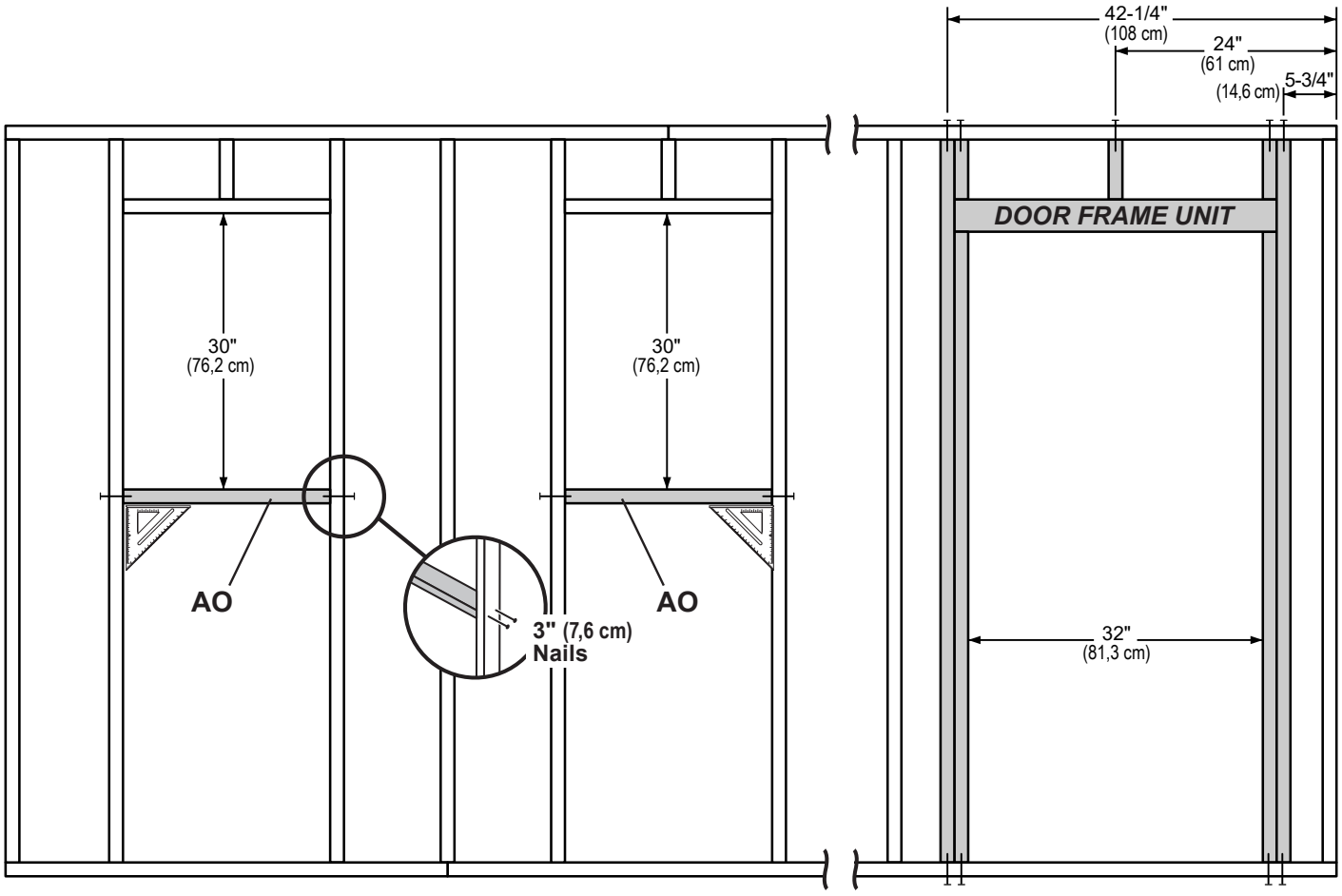
x2 **AO**
2 x 4 x 22-1/2" (5,1 x 10,2 x 57,1 cm)

x26



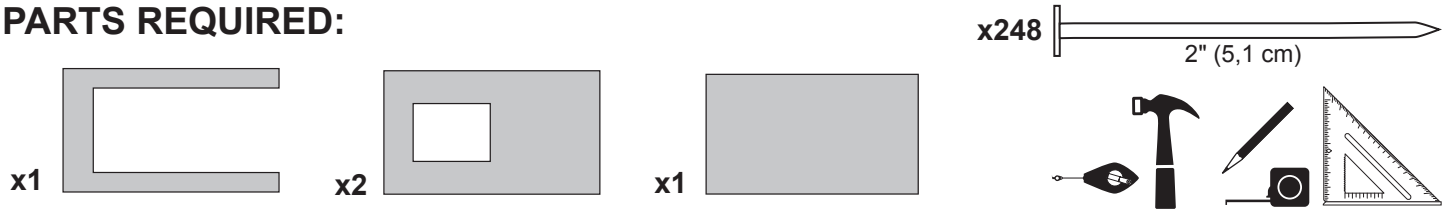


2 Arrange parts on edge on floor, as shown. Measure and mark from end of boards.
Place the **Door Frame Unit** at measurements shown.
Secure parts with (2) 3" nails at each connection.



EAVE SIDE WALL WITH DOOR RIGHT

PARTS REQUIRED:

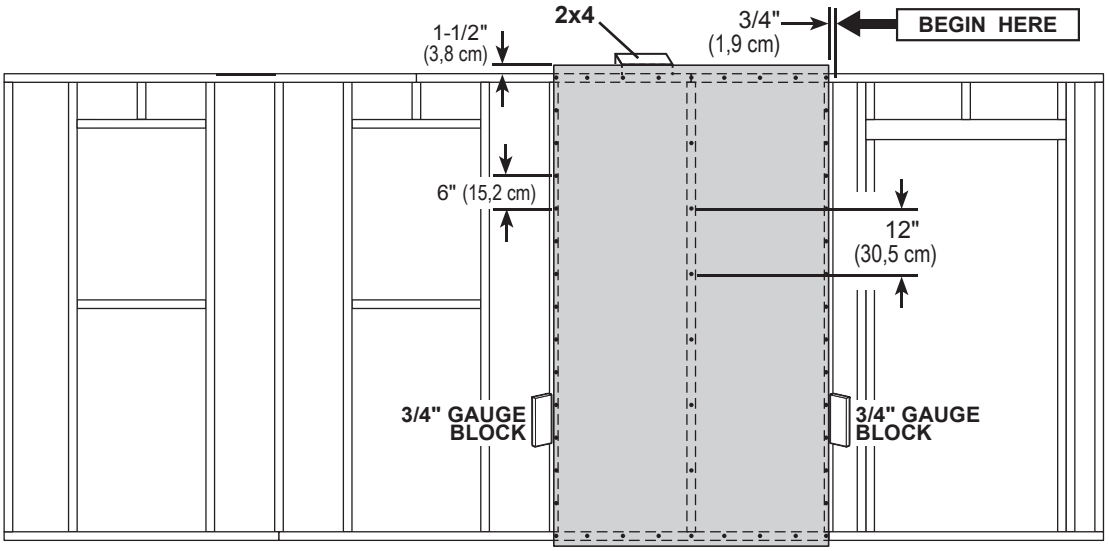


3

Install (1) **48" x 84"** panel 1-1/2" from the top plate.

Use a 2x4 spacer for consistent measurement.

Secure panel with 2" nails spaced 6" apart on edges and 12" inside panel.

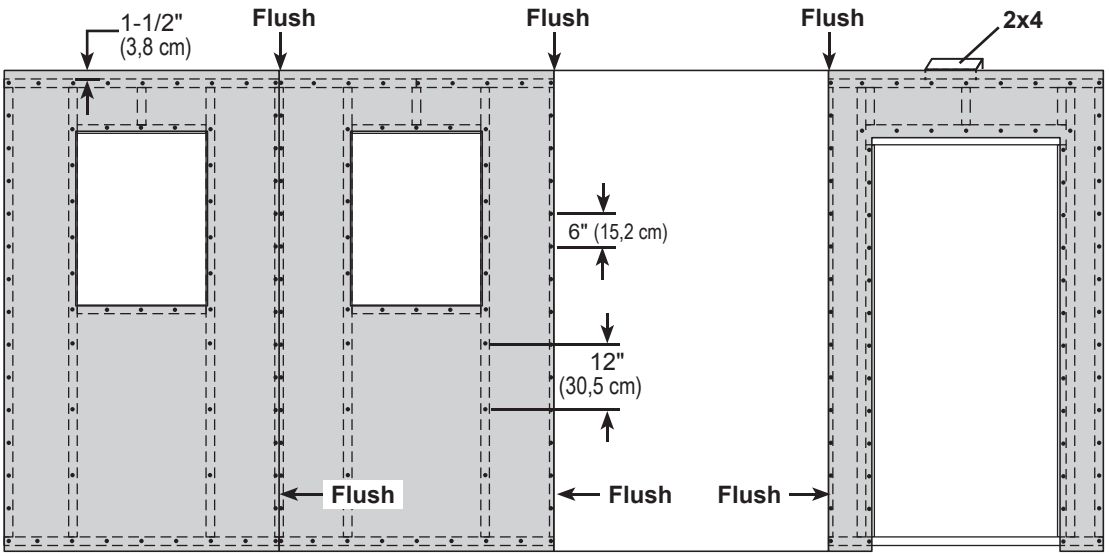


4

Install (2) **48" x 84"** window panels and (1) **48" x 84"** door panel flush to installed panels.

Locate panels 1-1/2" from the top plate.

Secure with 2" nails spaced 6" apart on edges and 12" apart inside panel.



FINISH

Your 16' eave wall is now assembled.
Carefully flip the wall over.

EAVE SIDE WALL FRAME

PARTS REQUIRED:

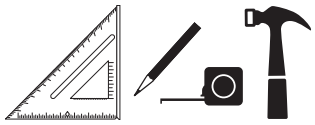
x44 3" (7,6 cm)

x2 TM
2 x 4 x 72" (5,1 x 10,2 x 182,9 cm)

x9 AI
2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)

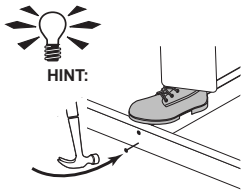
x3 SP
2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)

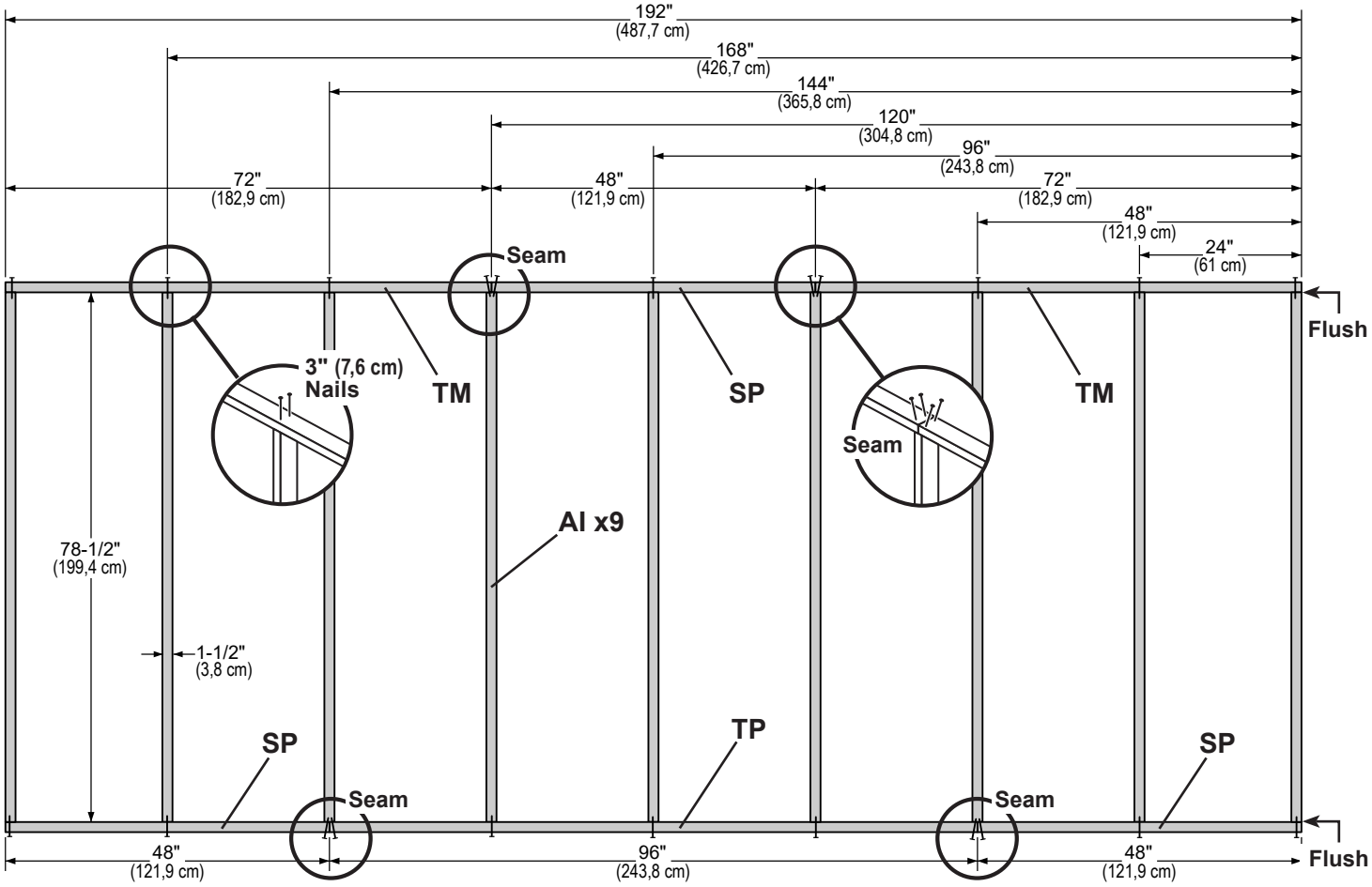
x1 TP
2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)



BEGIN

1 Arrange parts on edge on floor. Measure and mark from end of boards. Secure with (2) 3" nails at each connection and (4) 3" nails at seams.





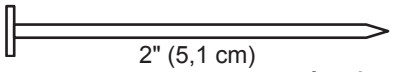
EAVE SIDE WALL PANELS

PARTS REQUIRED:

x4

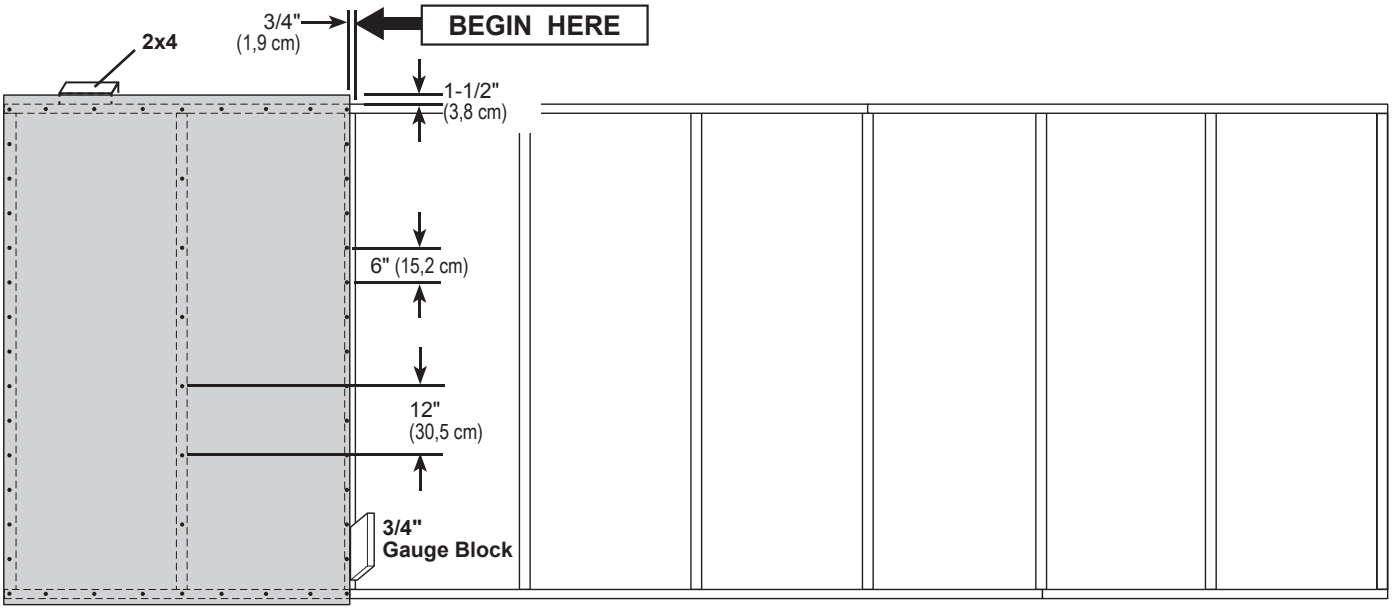
48 x 84"
(121,9 x 213,4 cm)

x200

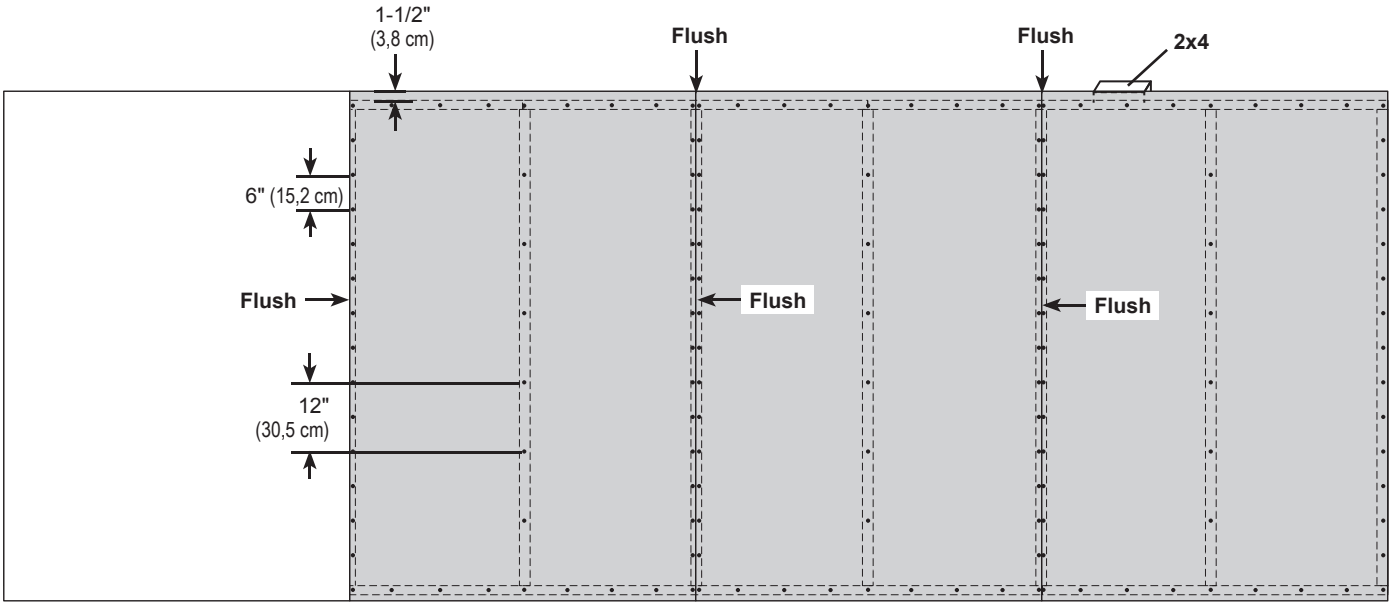


2" (5,1 cm)

2 Install 1st **48" x 84"** panel 1-1/2" from the top plate. Use a 2x4 spacer for consistent measurement. Secure panel with 2" nails spaced 6" apart on edges and 12" inside panel.



3 Install (3) **48" x 84"** panels flush to each installed panel. Locate panels 1-1/2" from the top plate. Secure with 2" nails spaced 6" apart on edges and 12" apart inside panel.



FINISH

Your 16' wall is now assembled.

Carefully flip the wall over.

GABLE END WALL

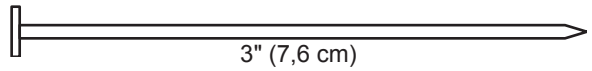
PARTS REQUIRED:

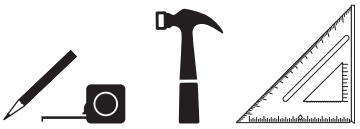
x2 **STL**
2 x 4 x 44-1/2" (5,1 x 10,2 x 113 cm)

x6 **AI**
2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)

x2 **YFA**
2 x 4 x 68-1/2" (5,1 x 10,2 x 173,9 cm)

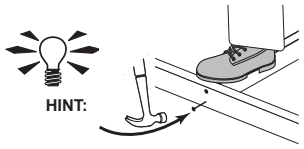
x28

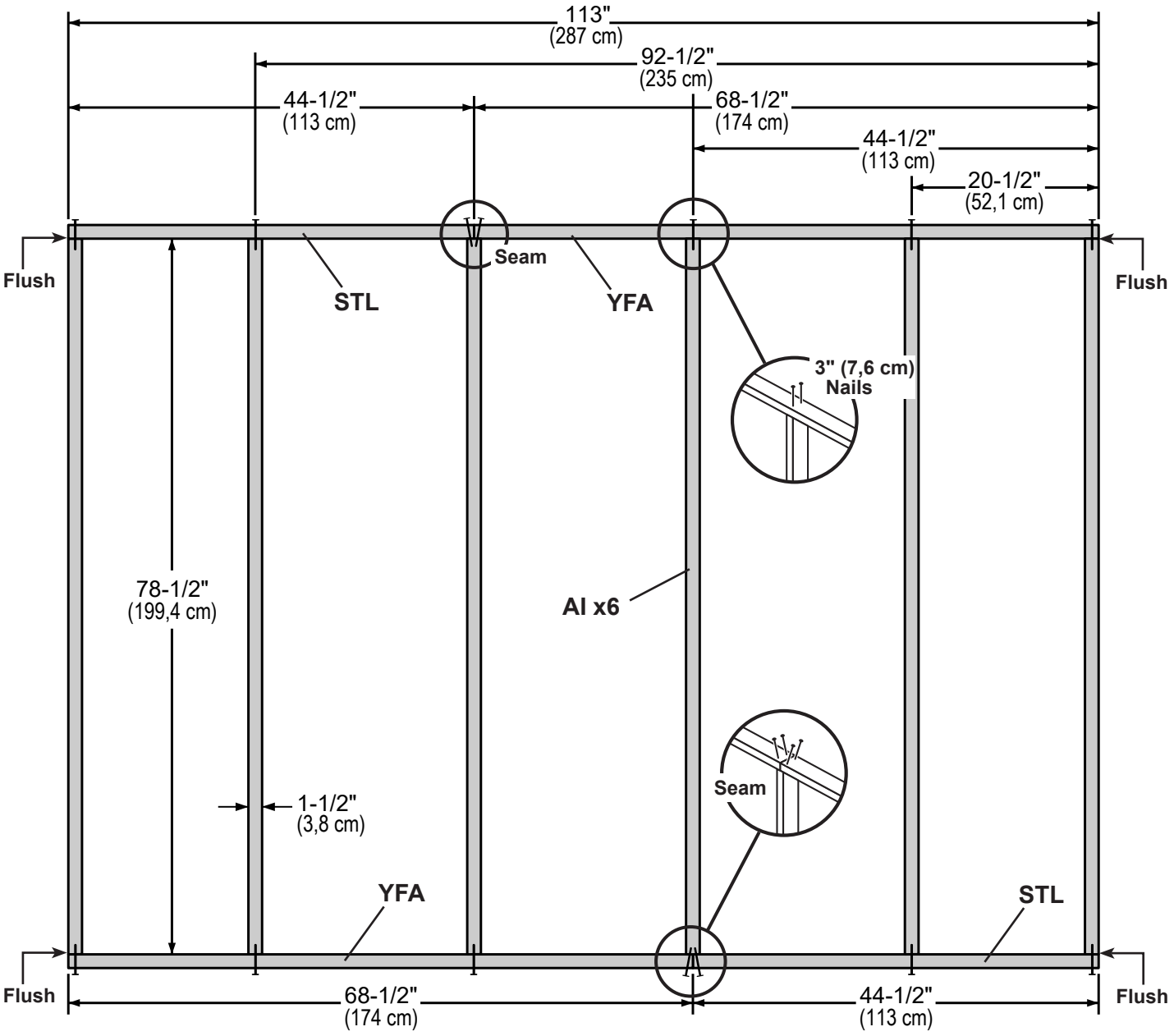




✓**BEGIN**

1 Arrange parts on edge on floor. Measure and mark from end of boards. Secure with (2) 3" nails at each connection and (4) 3" nails at seams.





GABLE END WALL

PARTS REQUIRED:

x136 — 2" (5,1 cm)

x1 — 23-7/8" x 84" (60,6 x 213,4 cm)

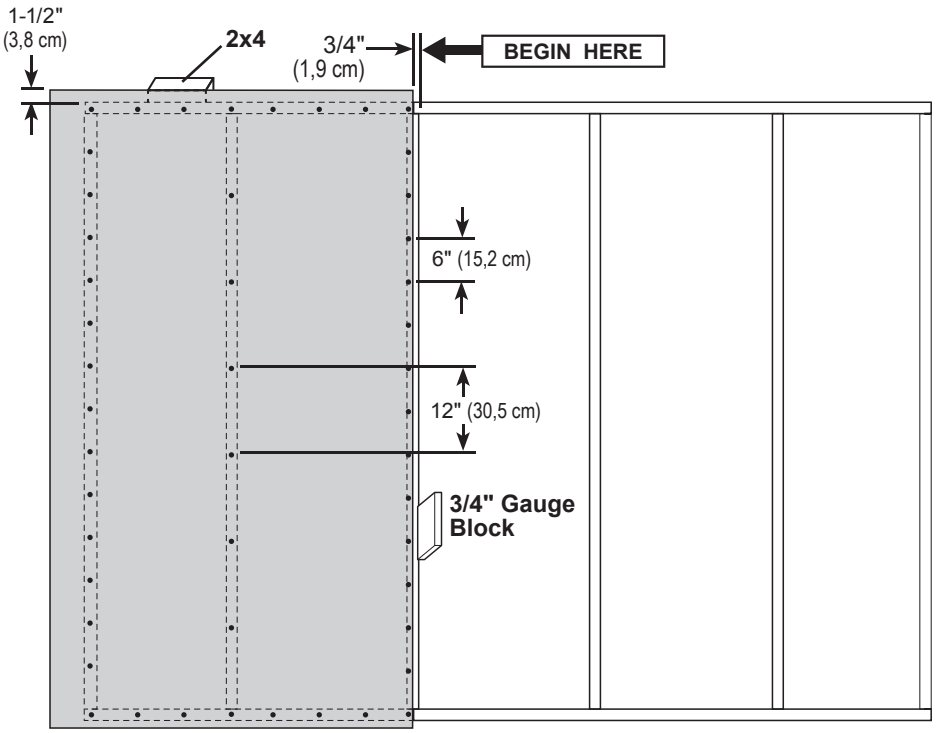
x2 — 48 x 84" (121,9 x 213,4 cm)

2

Install **48" x 84"** panel 1-1/2" from the top plate.

Use a 2x4 spacer for consistent measurement.

Secure panel with 2" nails spaced 6" apart on edges and 12" inside panel.

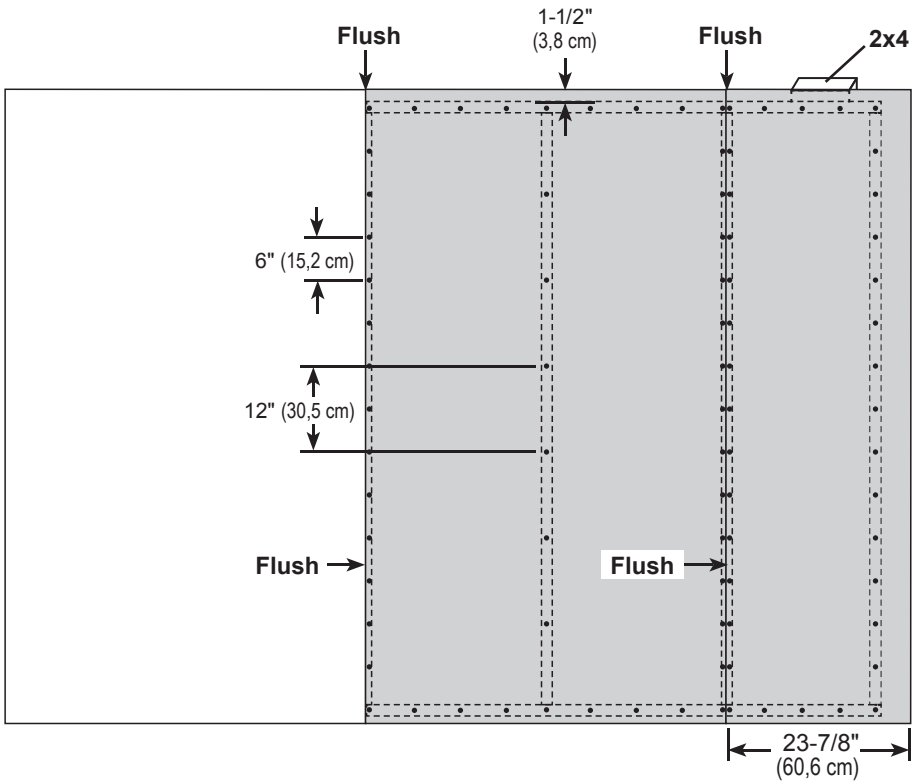


3

Install the **48" x 84"** and **23-7/8" x 84"** panels flush to installed panels.

Locate panels 1-1/2" from the top plate.

Secure with 2" nails spaced 6" apart on edges and 12" apart inside panel.



FINISH

Your 10' gable wall is now assembled.

Carefully flip the wall over.

EAVE WALL WITH SINGLE DOOR & WINDOW

PARTS REQUIRED: x33 2" (5,1 cm) x18 3" (7,6 cm)

x1 **TJ** *Temporary Brace* 2 x 4 x 92-1/2" (5,1 x 10,2 x 235 cm)

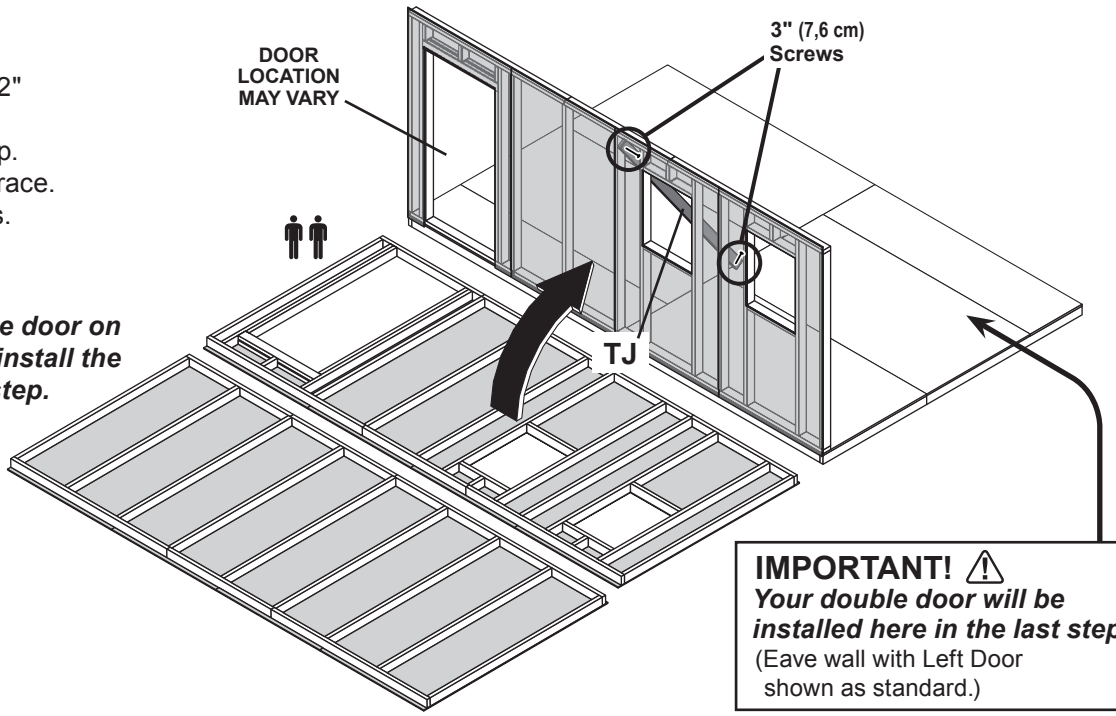
x2 3" (7,6 cm)

BEGIN

1

Center 16' wall on the 192" floor dimension.
1-1/2" overlap is to the top.
Use **TJ** as a temporary brace.
Secure with (2) 3" screws.

NOTE:
If your eave wall has the door on the right side, you will install the solid eave wall in this step.



IMPORTANT! ⚠
Your double door will be installed here in the last step.
(Eave wall with Left Door shown as standard.)

2

Secure lower edge of panels to floor frame with 2" nails spaced 6" apart.
Angle nails into floor frame **(Fig. A)**.

3

Secure wall bottom plates to floor with 3" nails **(Fig. A)**.

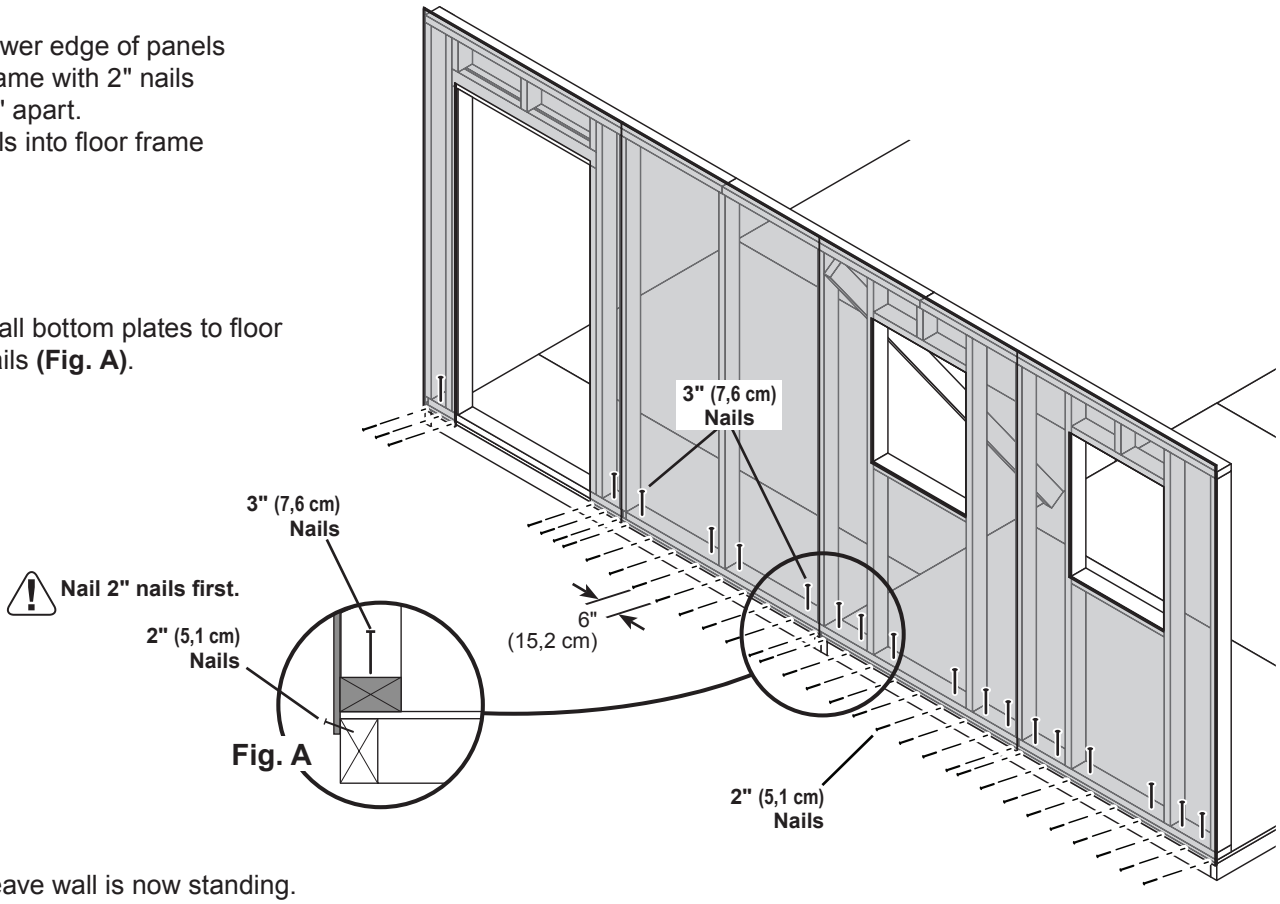


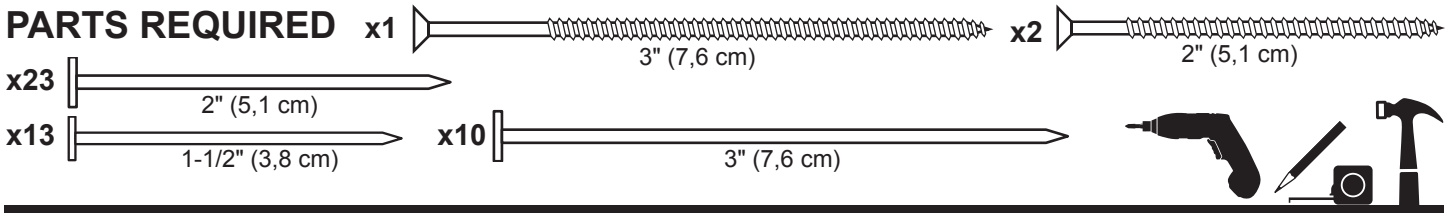
Fig. A

FINISH

Your 16' eave wall is now standing.

10' GABLE END WALL

PARTS REQUIRED



BEGIN

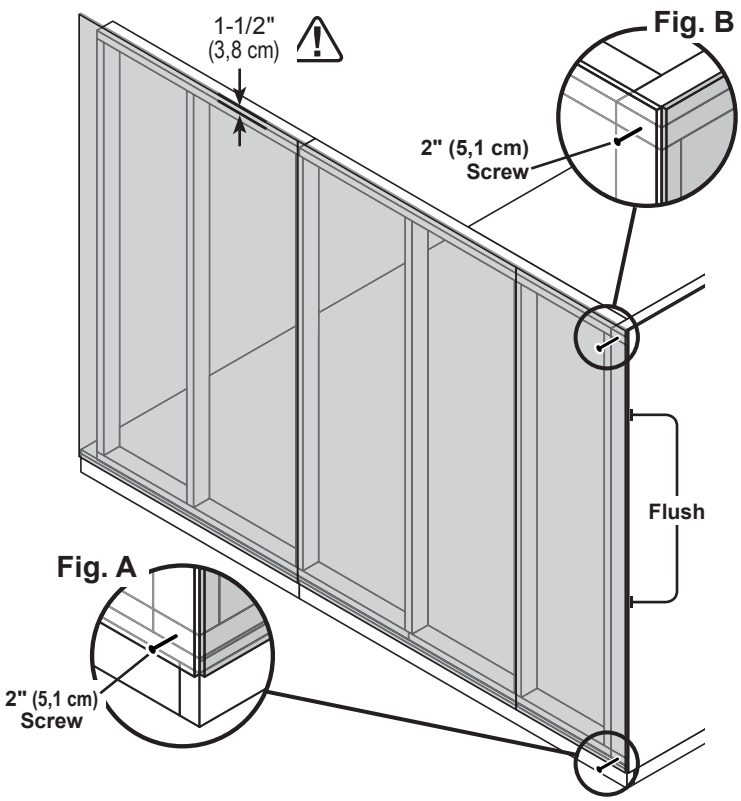
1

Install 10' wall centered on floor.
1-1/2" overlap is to the top.

Secure wall with (1) 2" screw into 12' wall bottom plate **(Fig. A)** and top plate **(Fig. B)**.

Secure wall to bottom plate first.

⚠ **ENSURE PANEL CORNERS ARE FLUSH.**



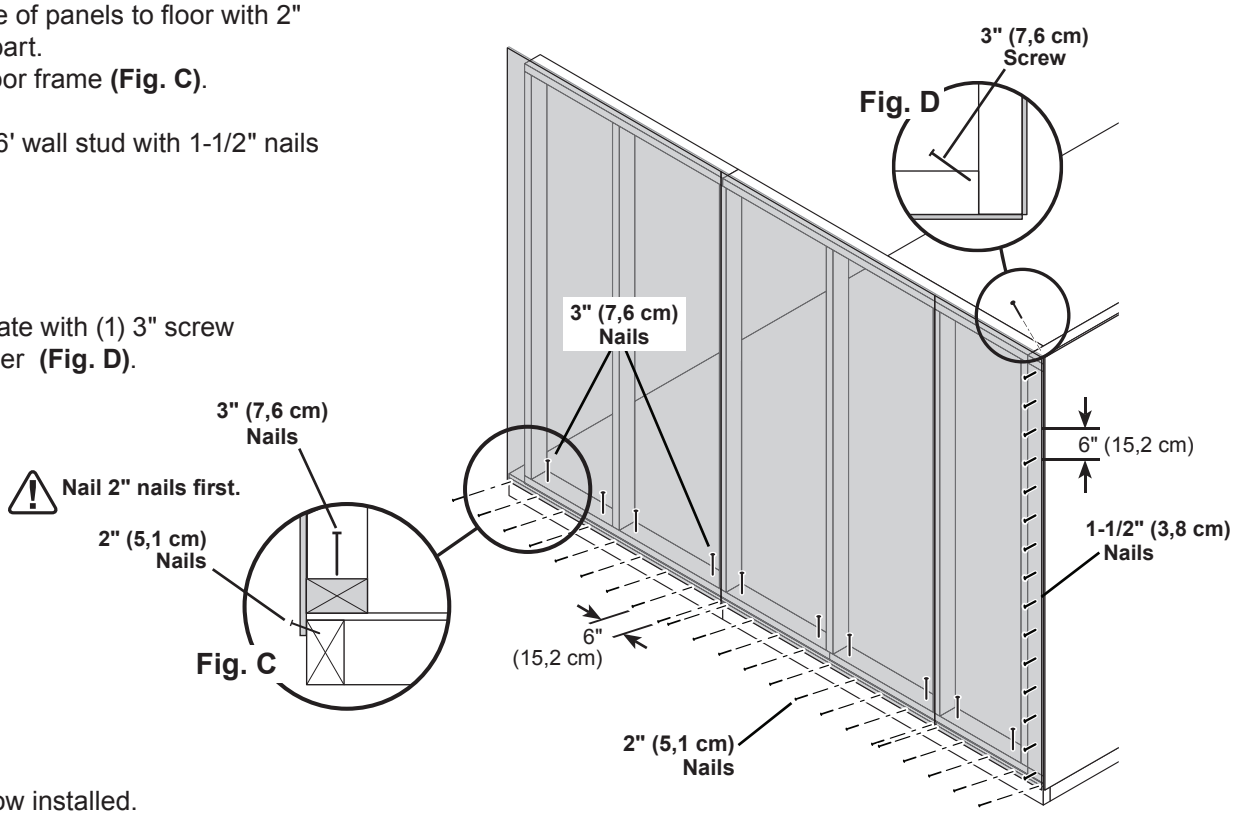
2

Secure lower edge of panels to floor with 2" nails spaced 6" apart.
Angle nails into floor frame **(Fig. C)**.

Secure panel to 16' wall stud with 1-1/2" nails spaced 6" apart.

3

Secure wall top plate with (1) 3" screw angled at the corner **(Fig. D)**.



FINISH

Your 10' wall is now installed.

EAVE SOLID WALL

PARTS REQUIRED:

x2 — 2" (5,1 cm)

x36 — 2" (5,1 cm)

x1 **TJ** *Temporary Brace* — 2 x 4 x 92-1/2" (5,1 x 10,2 x 235 cm)

x16 — 3" (7,6 cm)

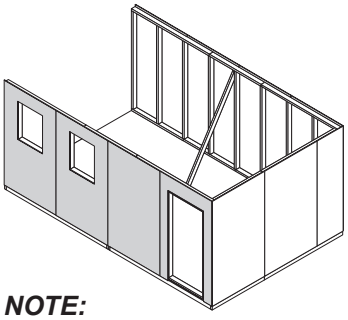
x1 — 3" (7,6 cm)

x13 — 1-1/2" (3,8 cm)

BEGIN

1

Install the 16' wall centered on floor.
1-1/2" overlap is to the top.
Use **TJ** as a temporary brace.
Secure with (2) 3" screws.



NOTE:
If your eave wall has the door on the right side, install it in this step.

2

Secure wall with (1) 2" screw through 10' gable wall panel into 16' wall bottom and top plates **(Fig. B, Fig. A)**.
Secure wall to bottom plate first.

⚠ **ENSURE PANEL CORNERS ARE FLUSH.**

3

Secure lower edge of wall panels to floor frame with 2" nails spaced 6" apart.
Angle nails into floor frame **(Fig. C)**.
Secure wall bottom plates to floor with 3" nails **(Fig. C)**.

4

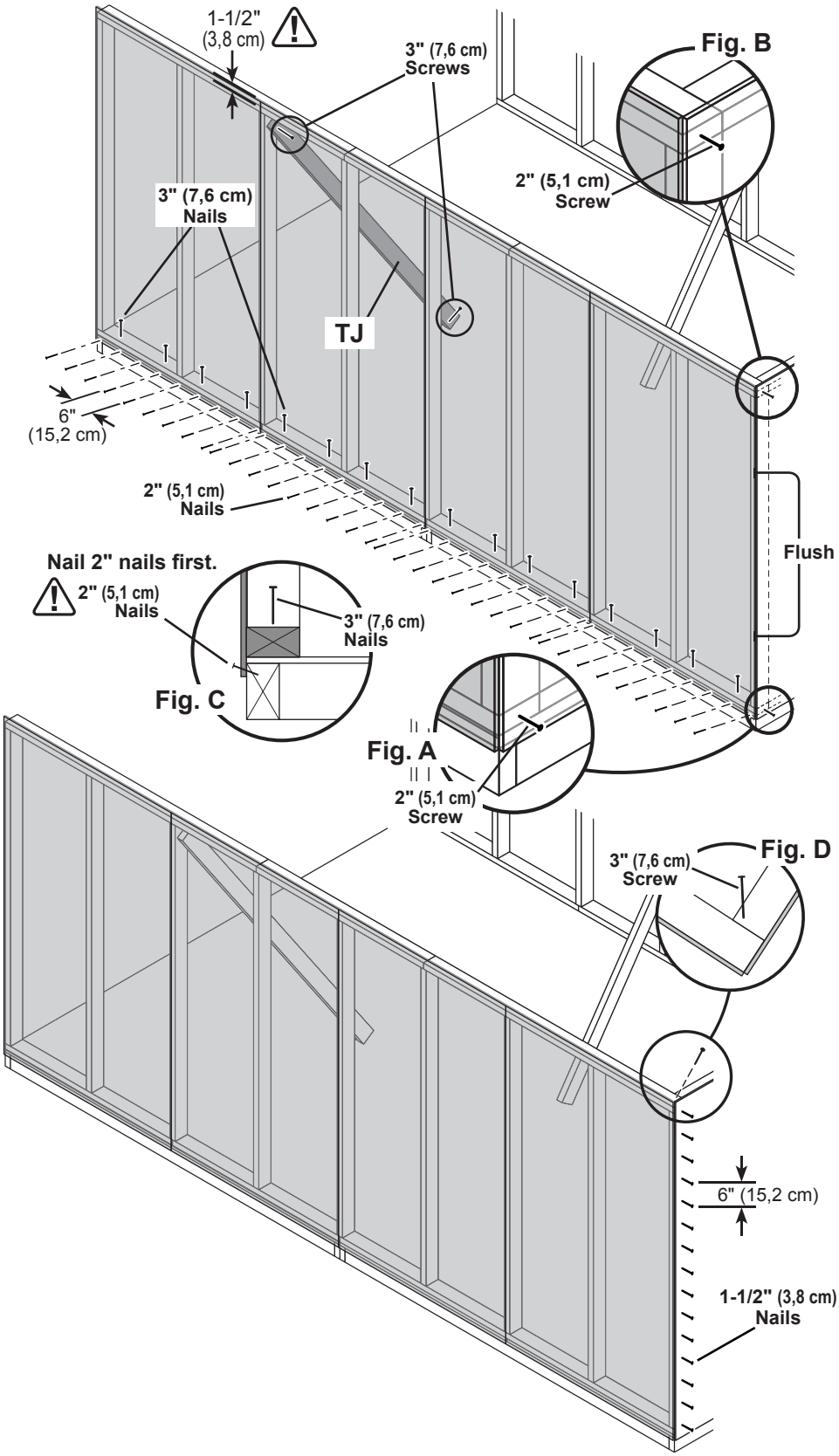
Secure 10' wall panel to 16' wall stud with 1-1/2" nails spaced 6" apart.

5

Secure gable wall top plate with (1) 3" screw angled at the corner **(Fig. D)**.

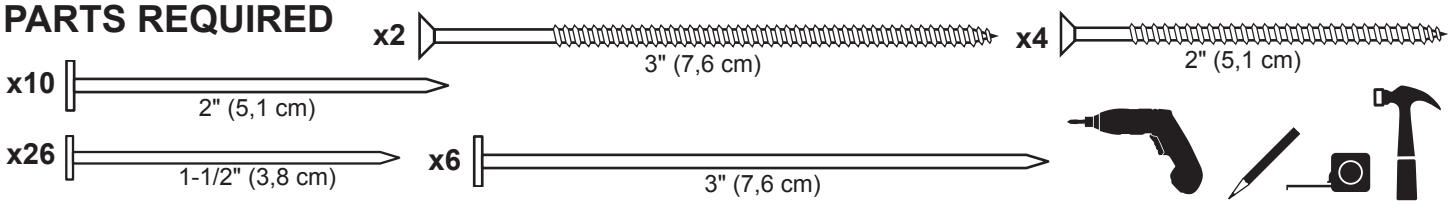
FINISH

Your 16' eave solid wall is now installed.



GABLE DOOR WALL

PARTS REQUIRED



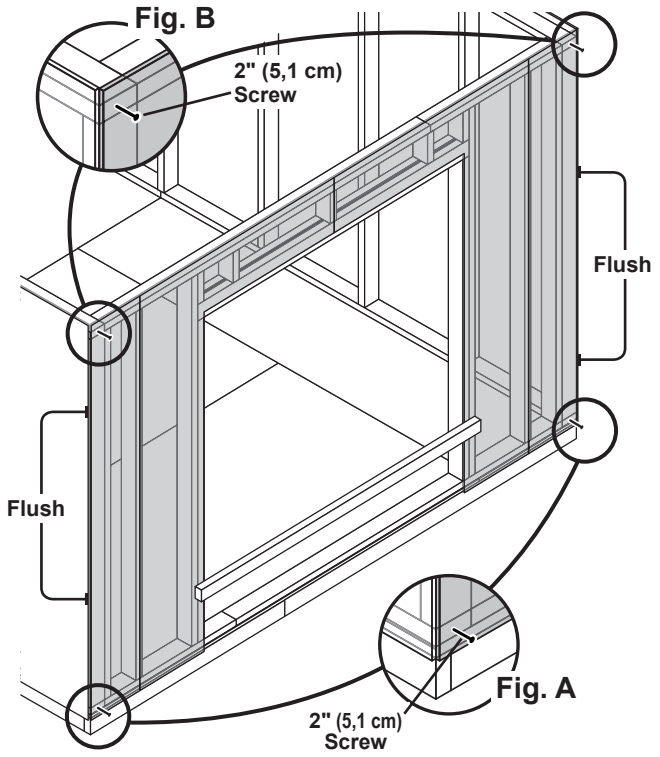
BEGIN

1 Place 10' wall on floor centered between 12' walls.

Secure wall with 2" screws into top and bottom plates **(Fig. A, Fig. B)**.

Secure wall to bottom plate first.

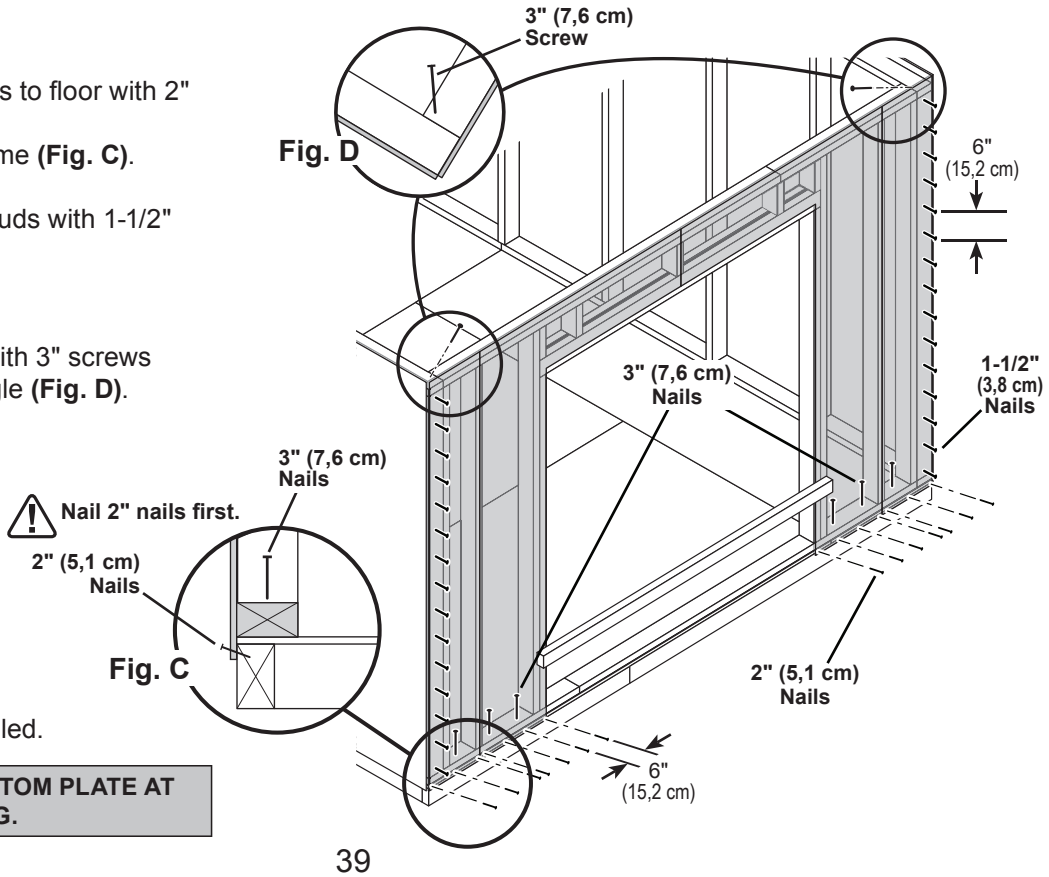
⚠ ENSURE PANEL CORNERS ARE FLUSH. ⚠



2 Nail lower edge of panels to floor with 2" nails spaced 6" apart.
Angle nails into floor frame **(Fig. C)**.

Nail panels to 12' wall studs with 1-1/2" nails spaced 6" apart.

3 Secure wall top plates with 3" screws at each corner at an angle **(Fig. D)**.



FINISH

Your walls are now installed.

CUT OUT AND REMOVE BOTTOM PLATE AT DOOR OPENING.

WALL DOUBLERS INSTALLATION

PARTS REQUIRED:

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

x2 RL — 2 x 4 x 24" (5,1 x 10,2 x 61 cm)

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

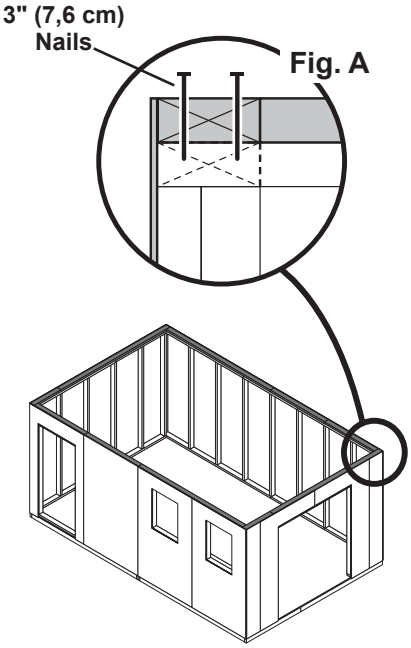
x2 TP — 2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

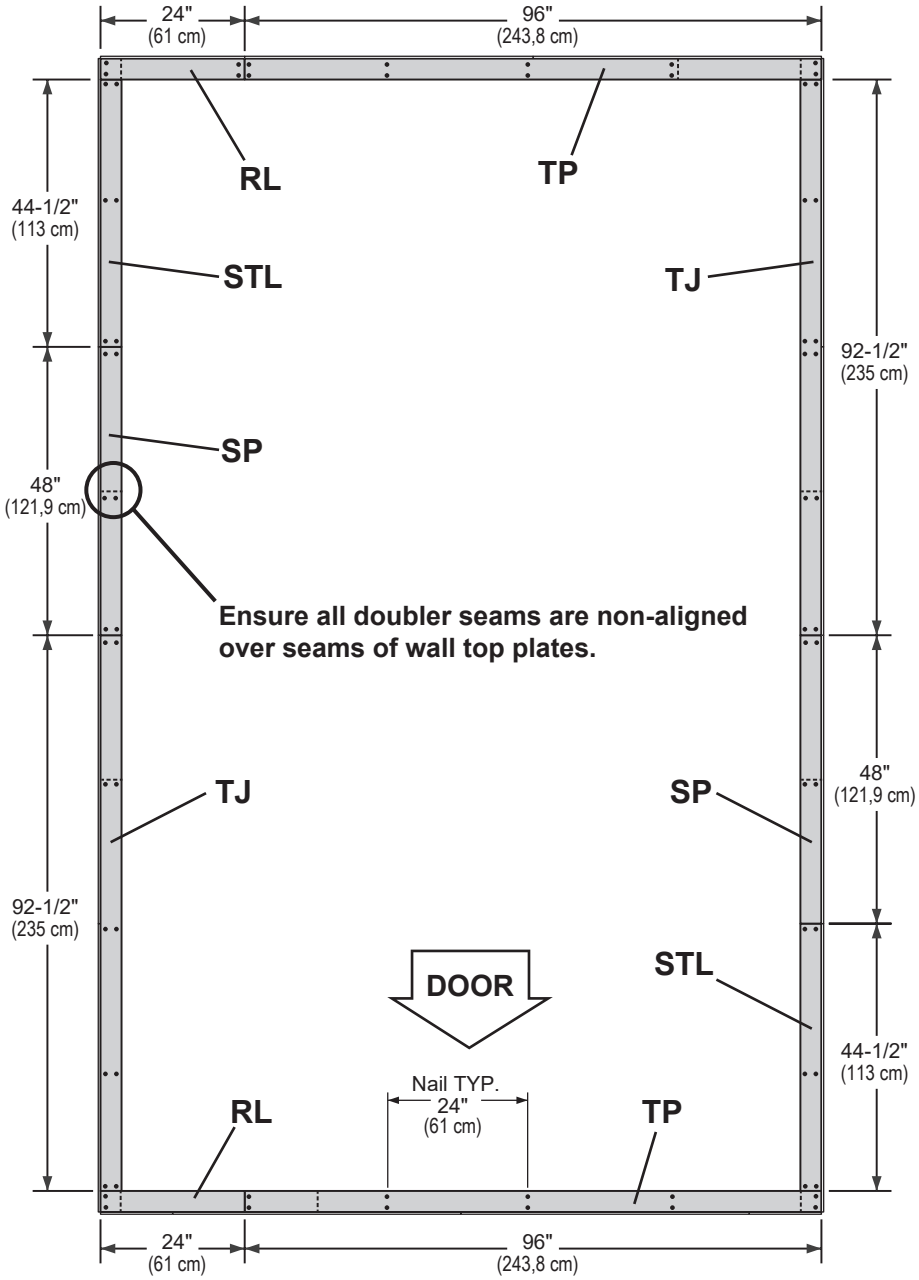
x2 STL — 2 x 4 x 44-1/2" (5,1 x 10,2 x 121,9 cm)

x72 3" (7,6 cm)

BEGIN

1 Orient parts on top of wall frames. Measure and mark from end of boards. Secure from top with (2) 3" nails spaced every 24" **(Fig. A).**



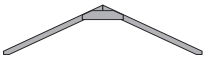


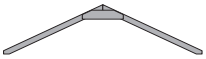
FINISH

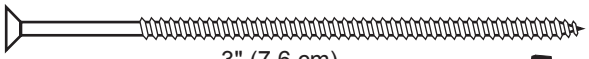
Your wall doublers are now installed.

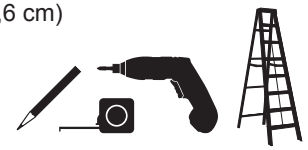
RAFTER INSTALLATION

PARTS REQUIRED:

x7  Two-Gusset Preassembled

x2  One-Gusset Preassembled

x36 
3" (7,6 cm)



BEGIN

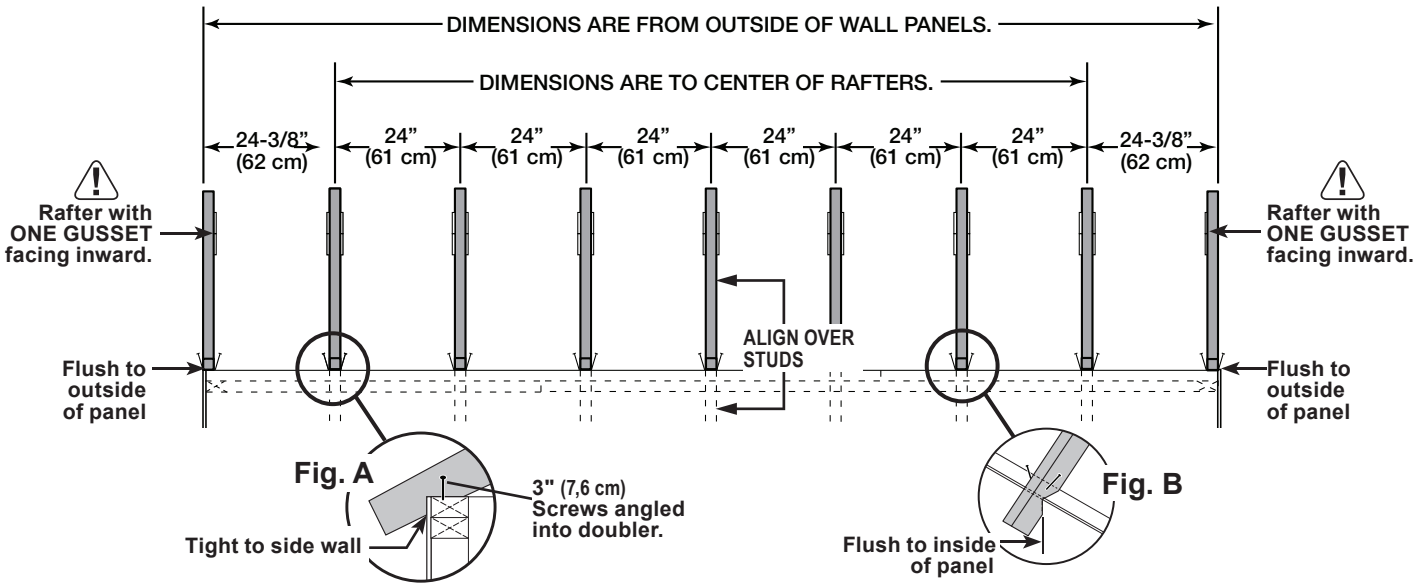
1 Align rafters over the wall studs.

Check that you have the measurements shown.

Secure rafters with (2) 3" screws angled at each end **(Fig. A, Fig. B)**.

Secure rafters on opposite side.

Maintain the measurements between rafters.



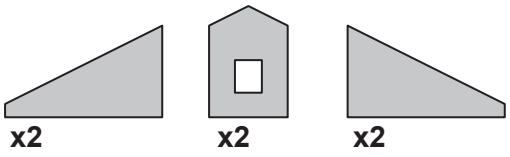
FINISH

Your rafters are now installed.

GABLE PANELS

PARTS REQUIRED:

x4 UV
2 x 4 x 23-1/4" (5,1 x 10,2 x 59,1 cm)



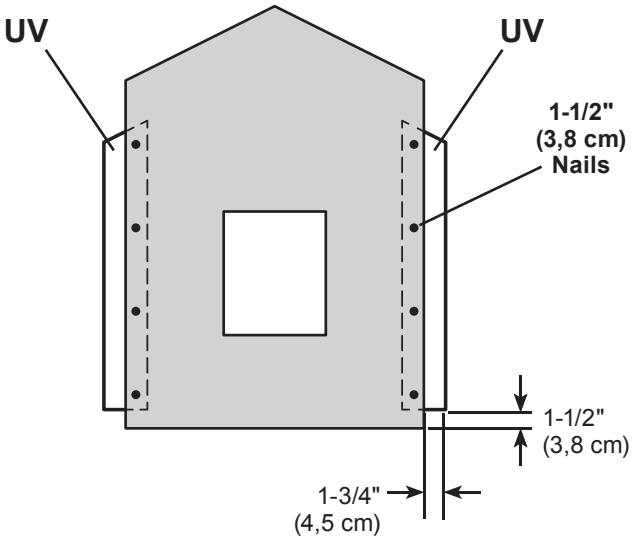
x32 1-1/2" (3,8 cm)

Install all panels with the primed side facing up.

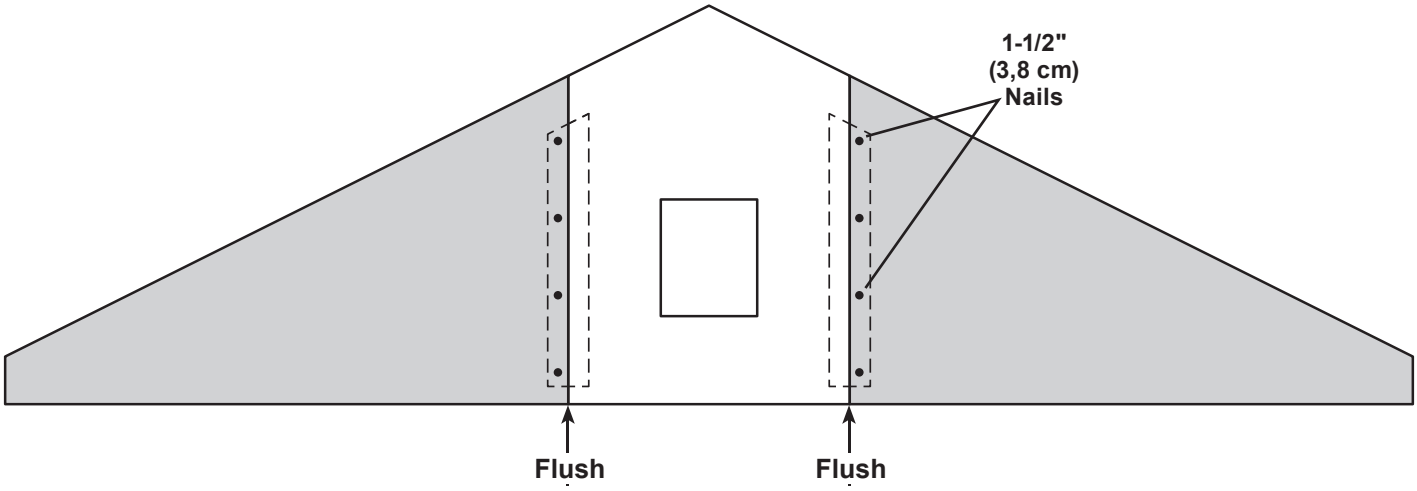
Build 2 gable panel assemblies.

BEGIN

1 Place center gable panel on (2) **UV**.
Secure with 1-1/2" nails, as shown.



2 Place right and left gable panels on **UV,** flush to installed center panel.
Secure with 1-1/2" nails, as shown.



Repeat steps to build the 2nd gable assembly.

FINISH

Your (2) gable assemblies are completed.

GABLE OVERHANG FRAMES

PARTS REQUIRED:

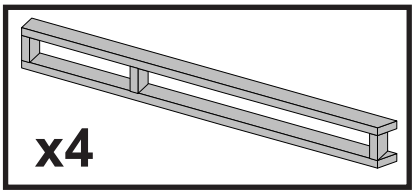
x12 CLA
2 x 4 x 4-7/8" (5,1 x 10,2 x 12,4 cm)

x8 ECA
2 x 4 x 75-1/4" (5,1 x 10,2 x 191,1 cm)

x56
3" (7,6 cm)

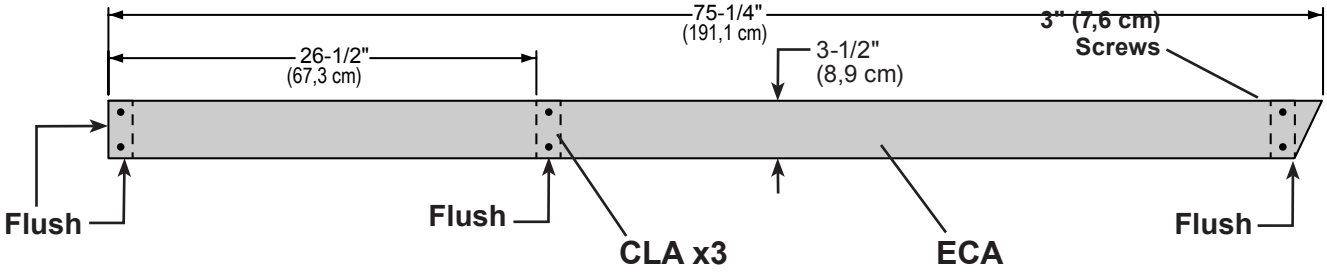
Build 4 gable overhang frames.

BEGIN



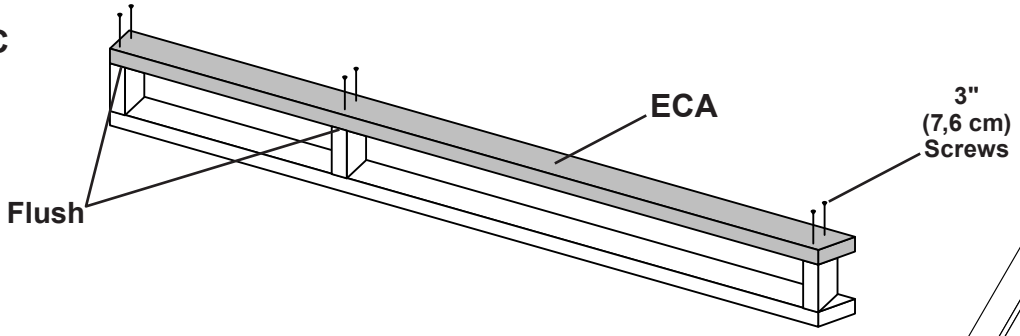
1 Arrange, measure and mark locations of (3) **CLA**, **(Fig. A)**. Place **ECA** on top. Secure with 3" screws, as shown. Ensure parts are flush along edges.

Fig. A



2 Flip over gable frame sub-assembly and attach **ECA** to (3) **CLA** with 3" screws **(Fig. C)**.

Fig. C



Repeat steps to build (3) additional gable frame sub-assemblies.

3 To complete gable gable overhang frame, join (2) sub-assemblies together wth 3" screws angled, as shown **(Fig. D)**.

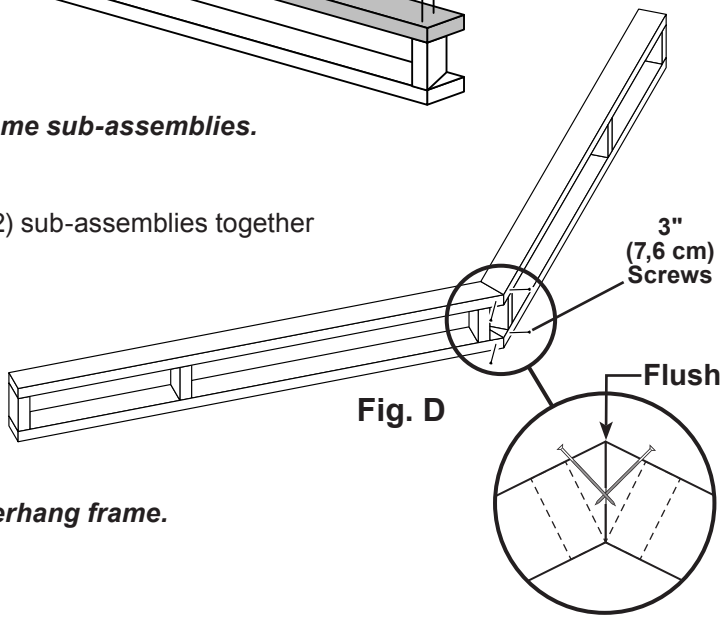
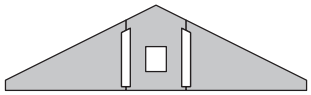


Fig. D

Repeat step 3 to assemble the 2nd gable overhang frame.

GABLE UNITS

PARTS REQUIRED:



x2 Gable Units

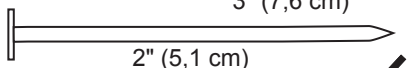
x4

3/8 x 3-1/4 x 5-7/8" (1,0 x 8,3 x 14,9 cm)

x8

3" (7,6 cm)

x114



2" (5,1 cm)

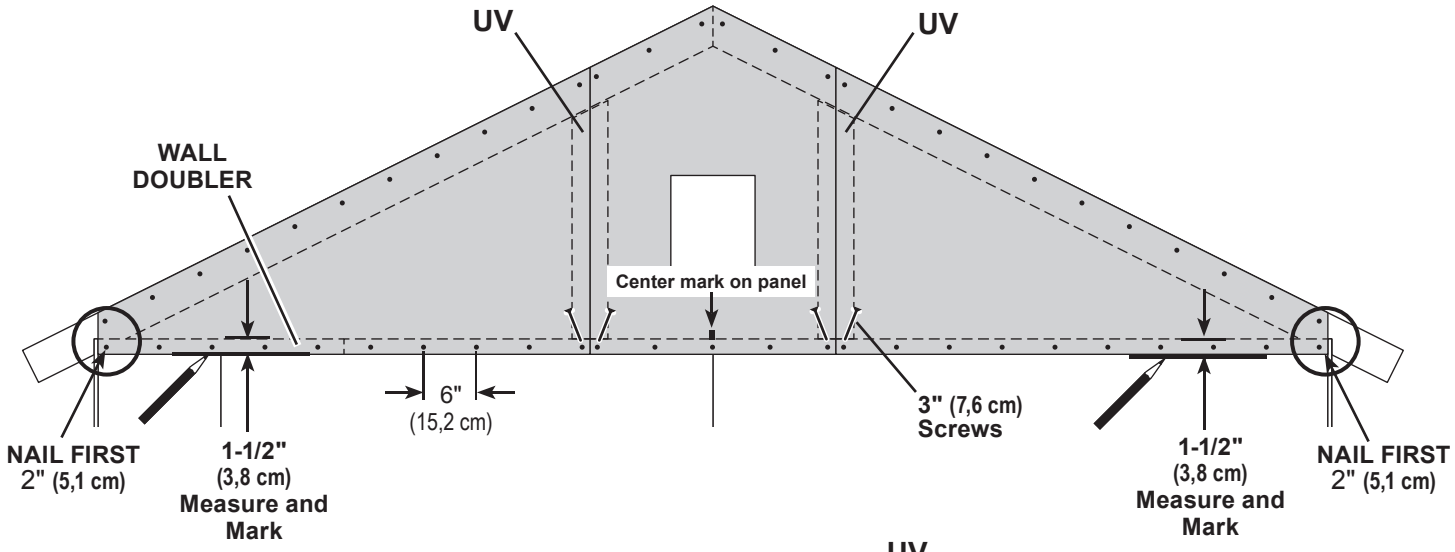
BEGIN

1 Measure 1-1/2" down from wall doubler and mark at each side as shown.
Set gable unit on top plate. Fasten with (1) 2" nail on each side.

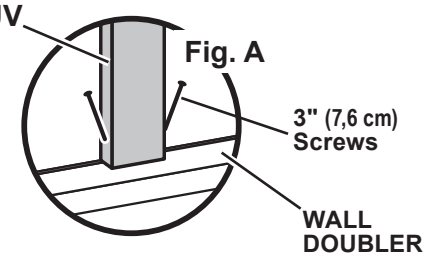
⚠ ***CENTER GABLE UNIT ON WALL BEFORE NAILING.***

2 Continue nailing lower edge of panels to wall doubler with 2" nails spaced 6" apart.

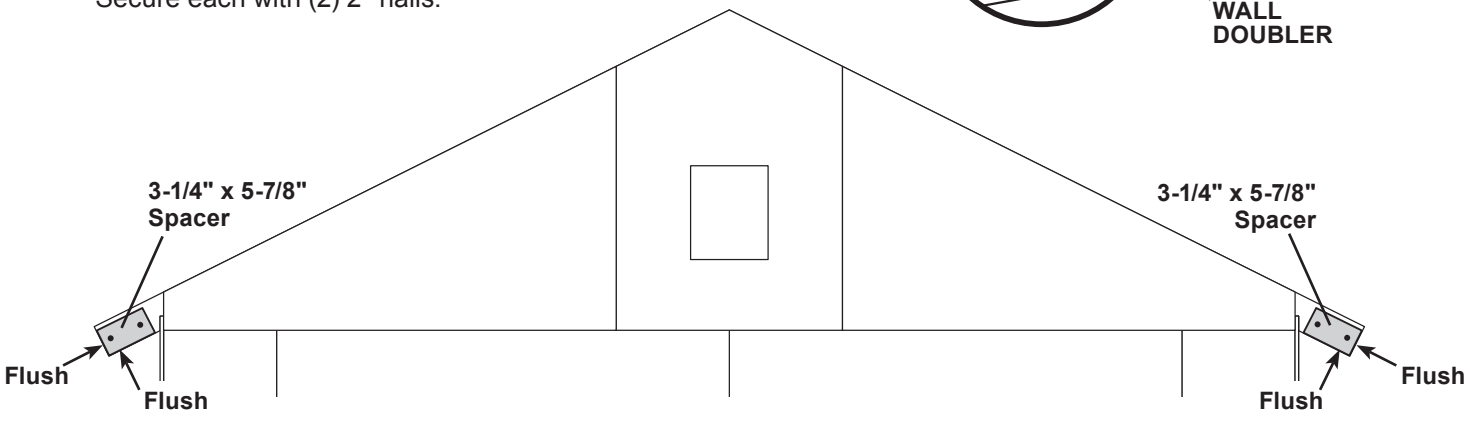
3 Working inside, secure gable unit with (2) 3" screws angled into supports **UV** at an angle **(Fig. A)**.



4 Secure top of gable panels to rafter with 2" nails spaced 6" apart.



5 Install (2) 3-1/4 x 5-7/8" spacers at ends of rafters.
Flush the spacers to the rafter ends and bottom side of end-rafters.
Secure each with (2) 2" nails.



Repeat steps to install the 2nd gable unit.

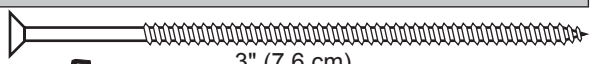
FINISH

Your gable units are now installed.

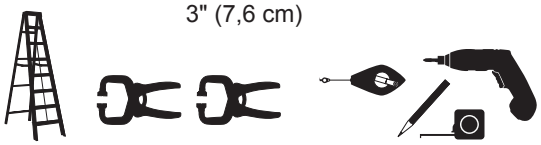
GABLE OVERHANG LADDERS

PARTS REQUIRED:

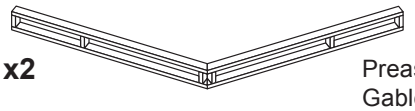
x24



3" (7,6 cm)



x2

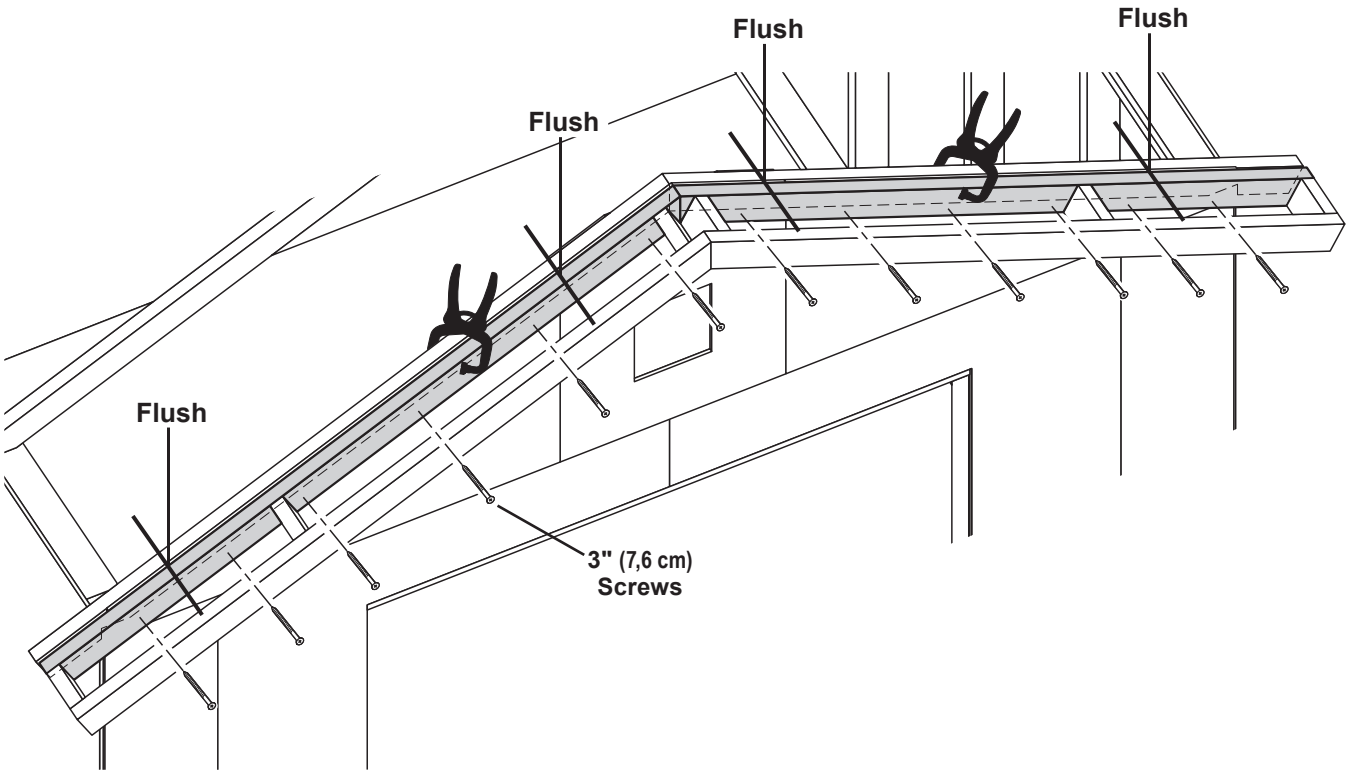


Preassembled
Gable Overhang

We recommend having an assistant during the installation of the gable overhang frame.

BEGIN

1 Lift the gable overhang into position, flush along gable panel edges.
Clamp overhang in place.



2 Secure overhang to rafter with 3" screws spaced evenly.

Repeat steps to install the 2nd gable overhang ladder.

FINISH

Your (2) gable overhang ladders are now installed.

ROOF PANELS

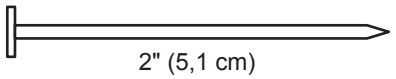
PARTS REQUIRED:

x1

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

3/4" GAUGE BLOCK

x4



2" (5,1 cm)

Install all roof panels with the rough side (painted grid lines) facing up.

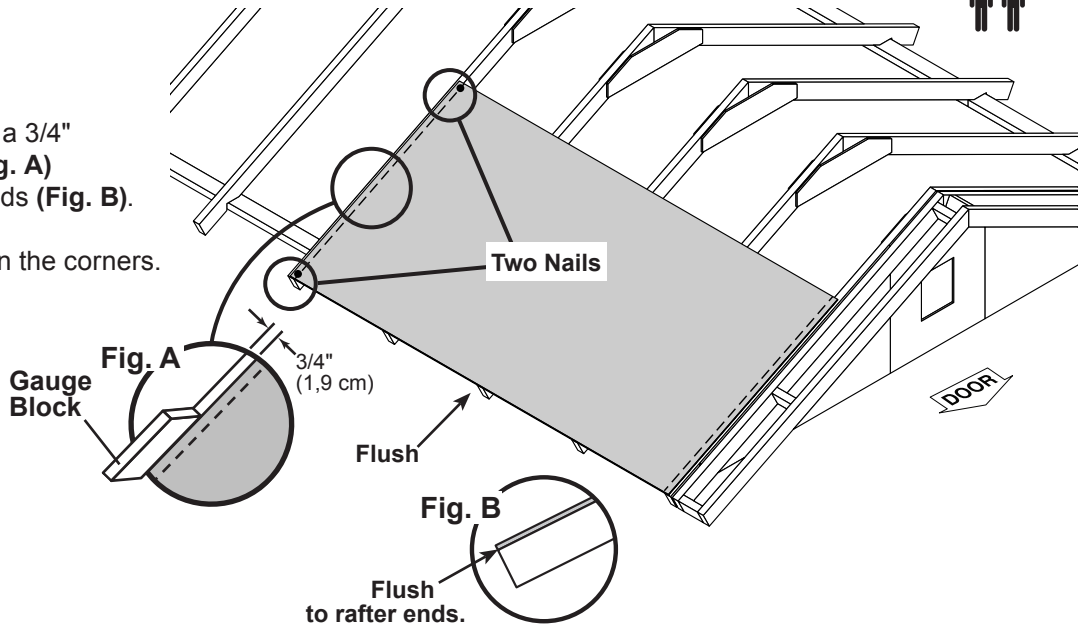
Roof panels may cause serious injury until securely fastened.

BEGIN

1

Install (1) **48" x 96"** panel with a 3/4" measurement on the rafter **(Fig. A)** and the panel flush to rafter ends **(Fig. B)**.

Secure panel with (2) 2" nails in the corners.

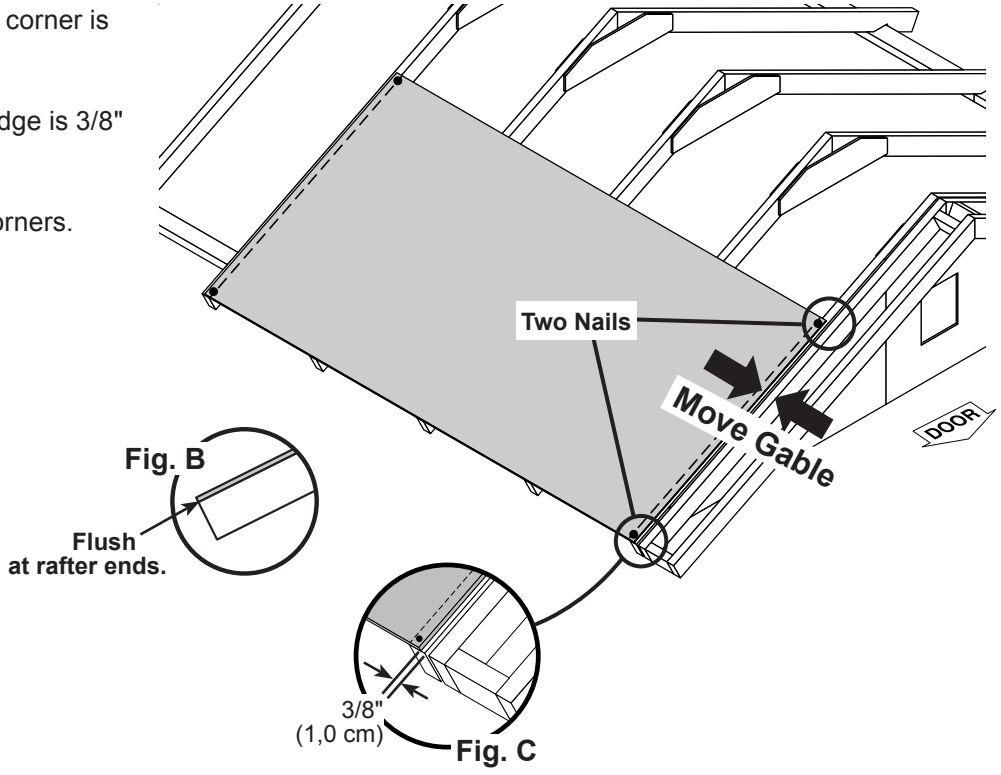


2

Move to the opposite end.
Using the long edge of the panel as a lever, move the panel side-to-side until the bottom corner is flush to rafter end **(Fig. B)**.

Move the gable until the end rafter's edge is 3/8" from the edge of the panel **(Fig. C)**.

Secure panel with (2) 2" nails in the corners.



ROOF PANELS

PARTS REQUIRED:

x1 — 7/16 x 27-1/4 x 48" (1,1 x 69,2,9 x 121,9 cm)

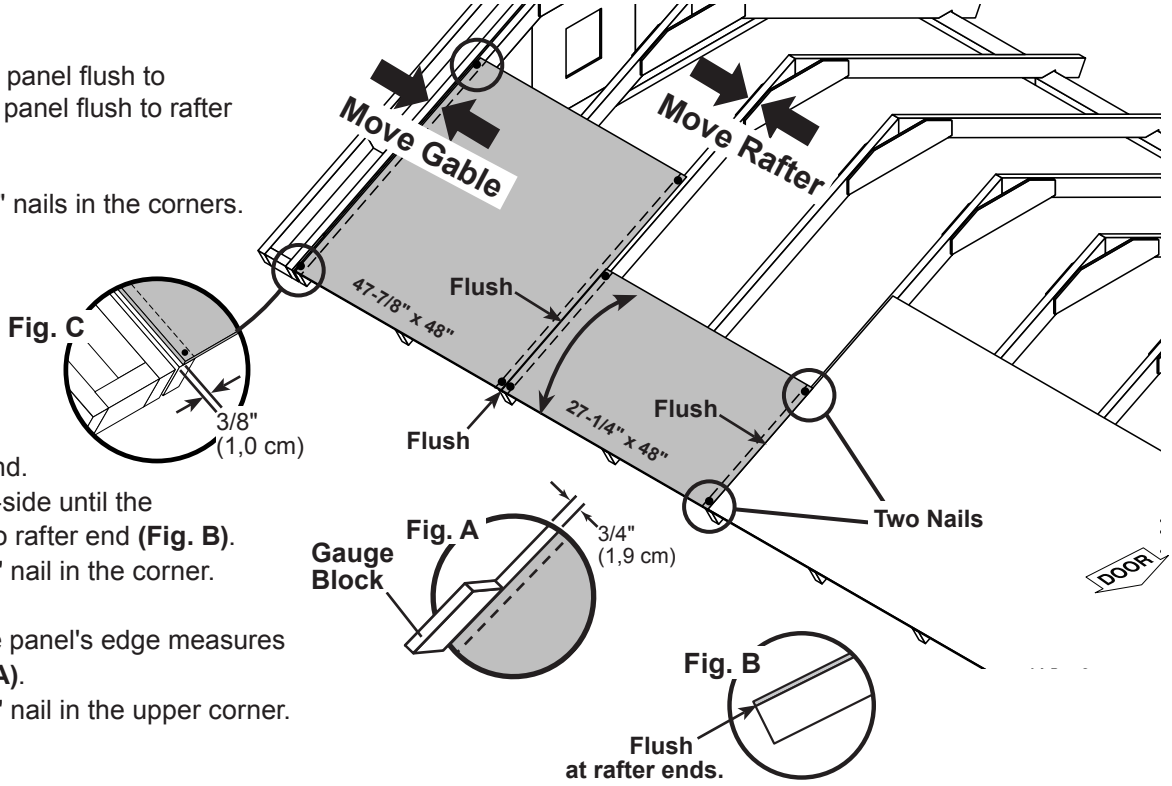
x1 — 7/16 x 47-7/8 x 48" (1,1 x 121,6 x 121,9 cm)

x13 — 2" (5,1 cm)

3

Install (1) **27-1/4" x 48"** panel flush to installed panel, and the panel flush to rafter ends **(Fig. B)**.

Secure panel with (2) 2" nails in the corners.



4

Move to the opposite end.
Move the panel side-to-side until the bottom corner is flush to rafter end **(Fig. B)**.
Secure panel with (1) 2" nail in the corner.

Move the rafter until the panel's edge measures 3/4" on the rafter **(Fig. A)**.
Secure panel with (1) 2" nail in the upper corner.

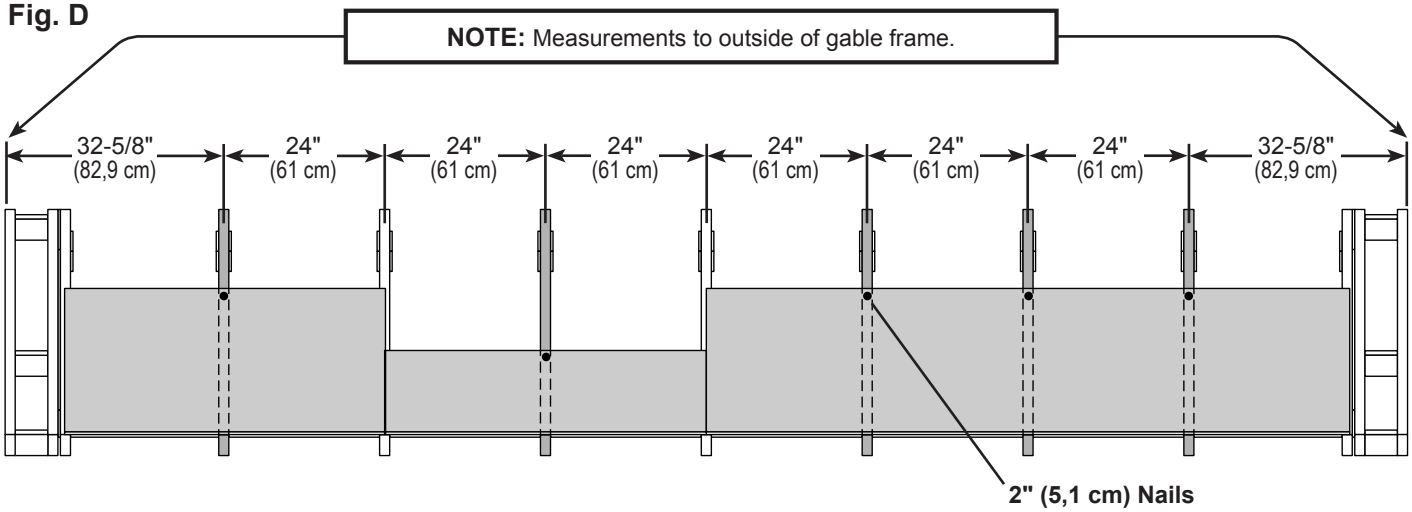
5

Install (1) **47-7/8" x 48"** panel flush to installed panel, and flush to rafter ends **(Fig. B)**.
Secure panel to the rafter with (2) 2" nails in the corners.
At the opposite end of panel, move the gable until the end-rafter's edge is 3/8" from the edge of panel **(Fig. C)**.
Secure panel with (2) 2" nails in the corners.

6

Maintain spacing between the centers of the rafters and to the outside of the gable frame **(Fig. D)**.
Secure panels with (1) 2" nail in each rafter.

Fig. D



ROOF PANELS

PARTS REQUIRED:

x1 — 7/16 x 47-7/8 x 48" (1,1 x 121,6 x 121,9 cm)

x3 — 7/16 x 27-1/4 x 48" (1,1 x 69,2,9 x 121,9 cm)

x20 — 2" (5,1 cm)

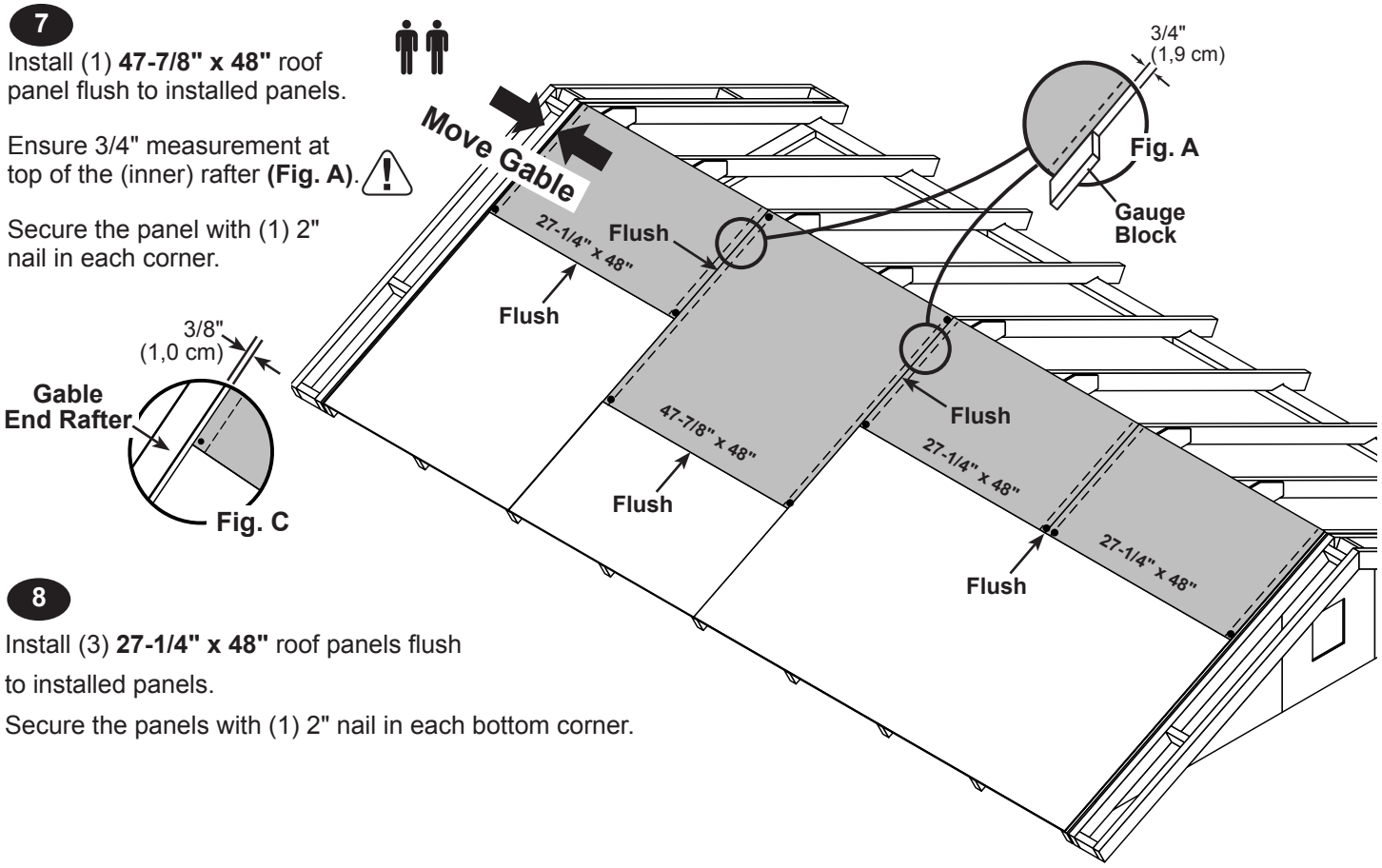
GAA — 3/4" GAUGE BLOCK

7

Install (1) **47-7/8" x 48"** roof panel flush to installed panels.

Ensure 3/4" measurement at top of the (inner) rafter **(Fig. A)**.

Secure the panel with (1) 2" nail in each corner.



8

Install (3) **27-1/4" x 48"** roof panels flush to installed panels.

Secure the panels with (1) 2" nail in each bottom corner.

9

Maintain spacing between the centers of the rafters **(Fig. D)**.

If necessary, move the gable until the end rafter's edge is 3/8" from the edge of the panel **(Fig. C)**.

Secure panels with (1) 2" nail in each corner and rafter, as shown.

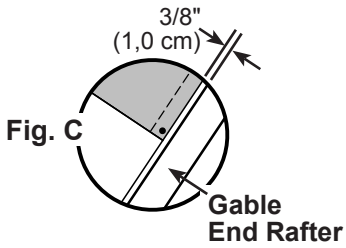
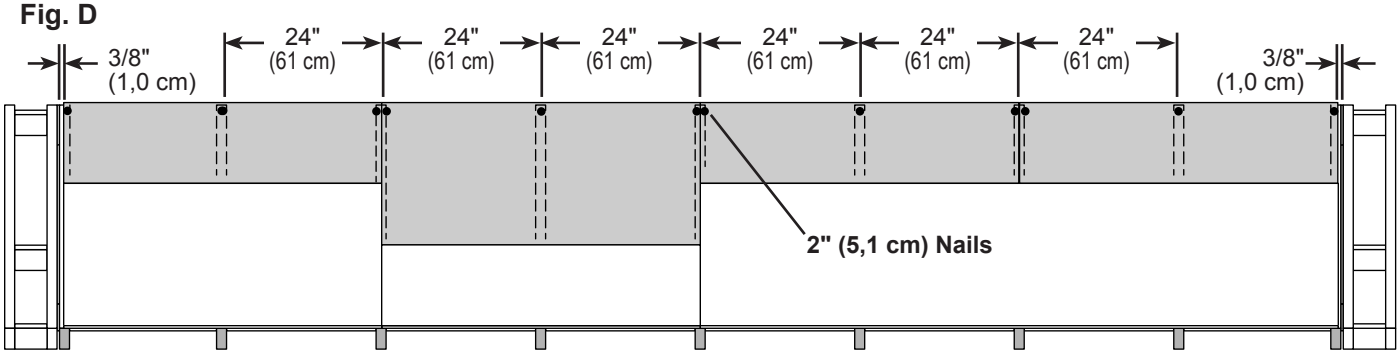


Fig. D



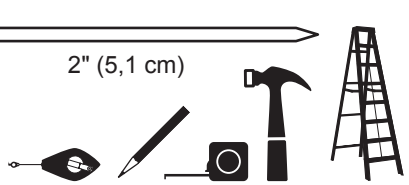
ROOF PANELS

PARTS REQUIRED:

x2 7/16 x 8-1/2 x 48" (1,1 x 21,9 x 121,9 cm)

x2 7/16 x 8-1/2 x 27-1/4" (1,1 x 21,9 x 69,2 cm)

x317 2" (5,1 cm)



10

Install (2) **8-1/2" x 27-1/4"** panels flush to lower ends of gable frame and rafter, and flush to outside edge of gable frame.

Secure with (1) 2" nail in each corner.

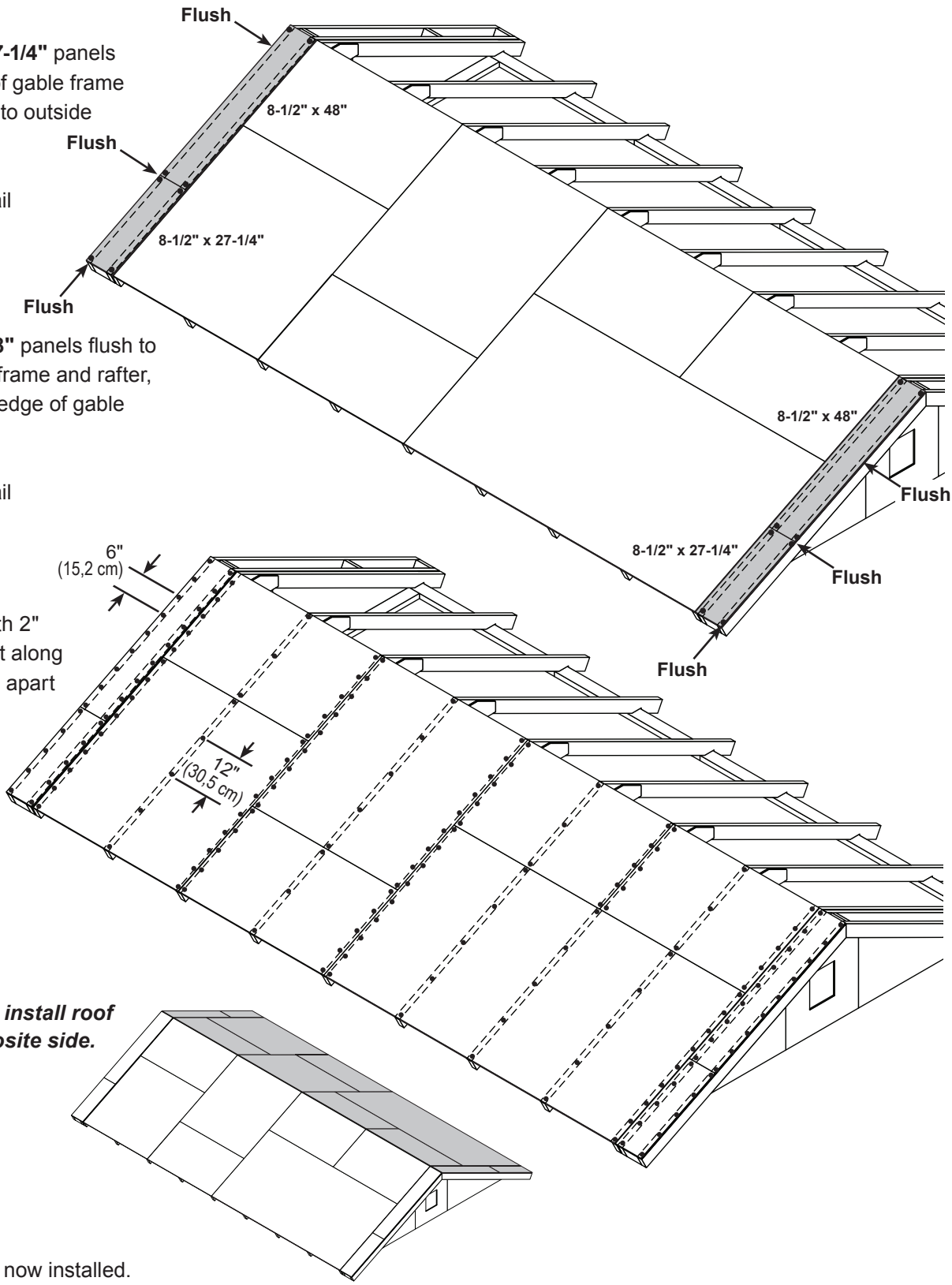
11

Install (2) **8-1/2" x 48"** panels flush to lower ends of gable frame and rafter, and flush to outside edge of gable frame.

Secure with (1) 2" nail in each corner.

12

Secure all panels with 2" nails spaced 6" apart along panel edges and 12" apart inside panel.



Repeat all steps to install roof panels on the opposite side.

FINISH

Your roof panels are now installed.

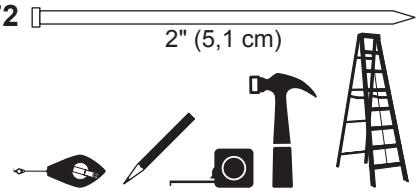
GABLE SOFFIT PANELS

PARTS REQUIRED:

x4

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

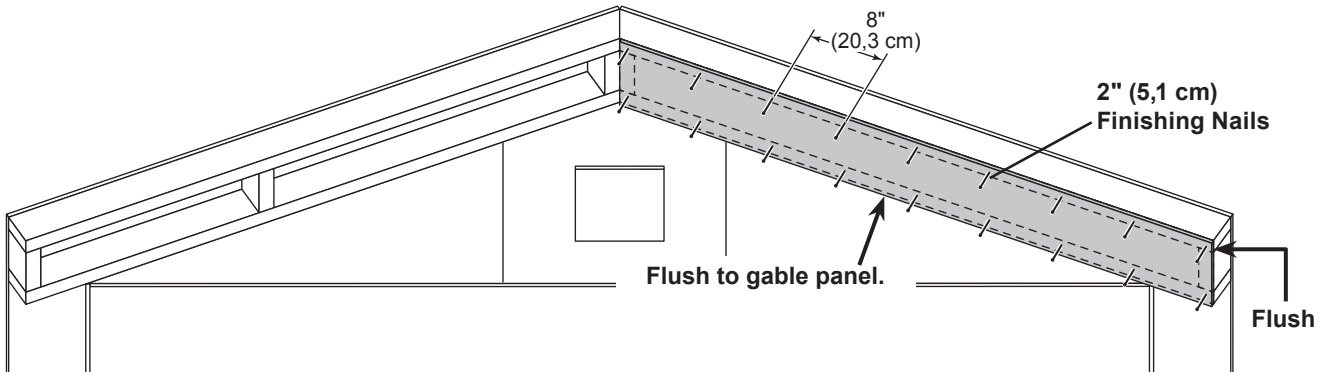
x72



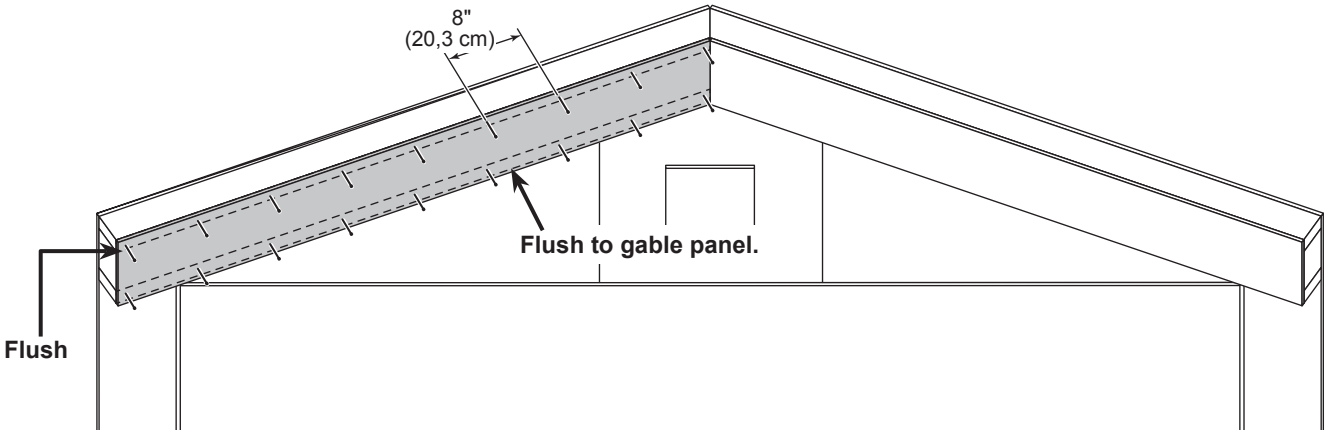
Install all soffit panels with the primed side facing out.

BEGIN

1 Position right **73-5/16"** soffit panel flush to gable panel and flush to gable end. Secure with 2" finishing nails spaced evenly.



2 Position left **73-5/16"** soffit panel flush to gable panel and flush to gable end. Secure with 2" finishing nails spaced evenly.



Repeat steps to install soffit boards on the opposite side.

FINISH

Your soffit panels are now installed.

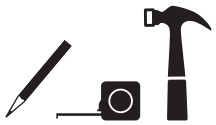
EAVE SOFFIT PANELS

PARTS REQUIRED:

x44 2" (5,1 cm)

x4 3/8 x 5-7/8 x 73" (1 x 14,9 x 185,4 cm)

x2 3/8 x 5-7/8 x 48" (1 x 14,9 x 121,9 cm)



Install all soffit panels with the primed side facing out.

BEGIN

1

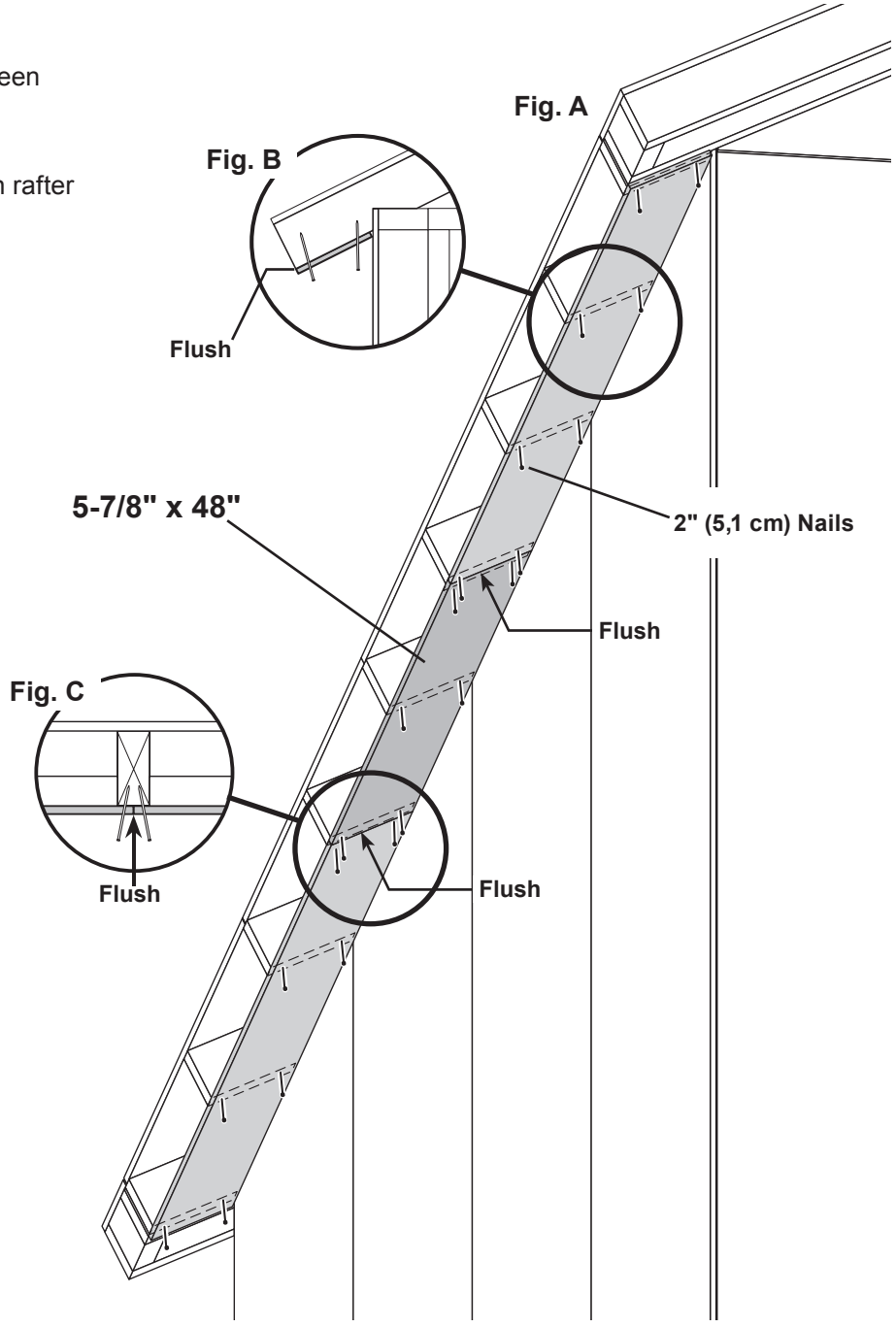
Install (1) **48"** soffit panel centered between 4th and 6th rafters **(Fig A)**.

Secure with 2" finishing nails, (2) in each rafter **(Fig B)**.
Angle nails at seams **(Fig. C)**.

2

Install (2) **73"** soffit panels flush to installed panel **(Fig A)**.

Secure with 2" finishing nails, (2) in each rafter **(Fig B)**.
Angle nails at seams **(Fig. C)**.



Repeat to install eave soffit panels on the opposite side.

FINISH

Your eave soffit panels are now installed.

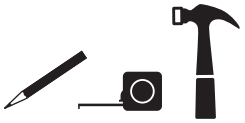
GABLE FASCIA

PARTS REQUIRED:

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

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

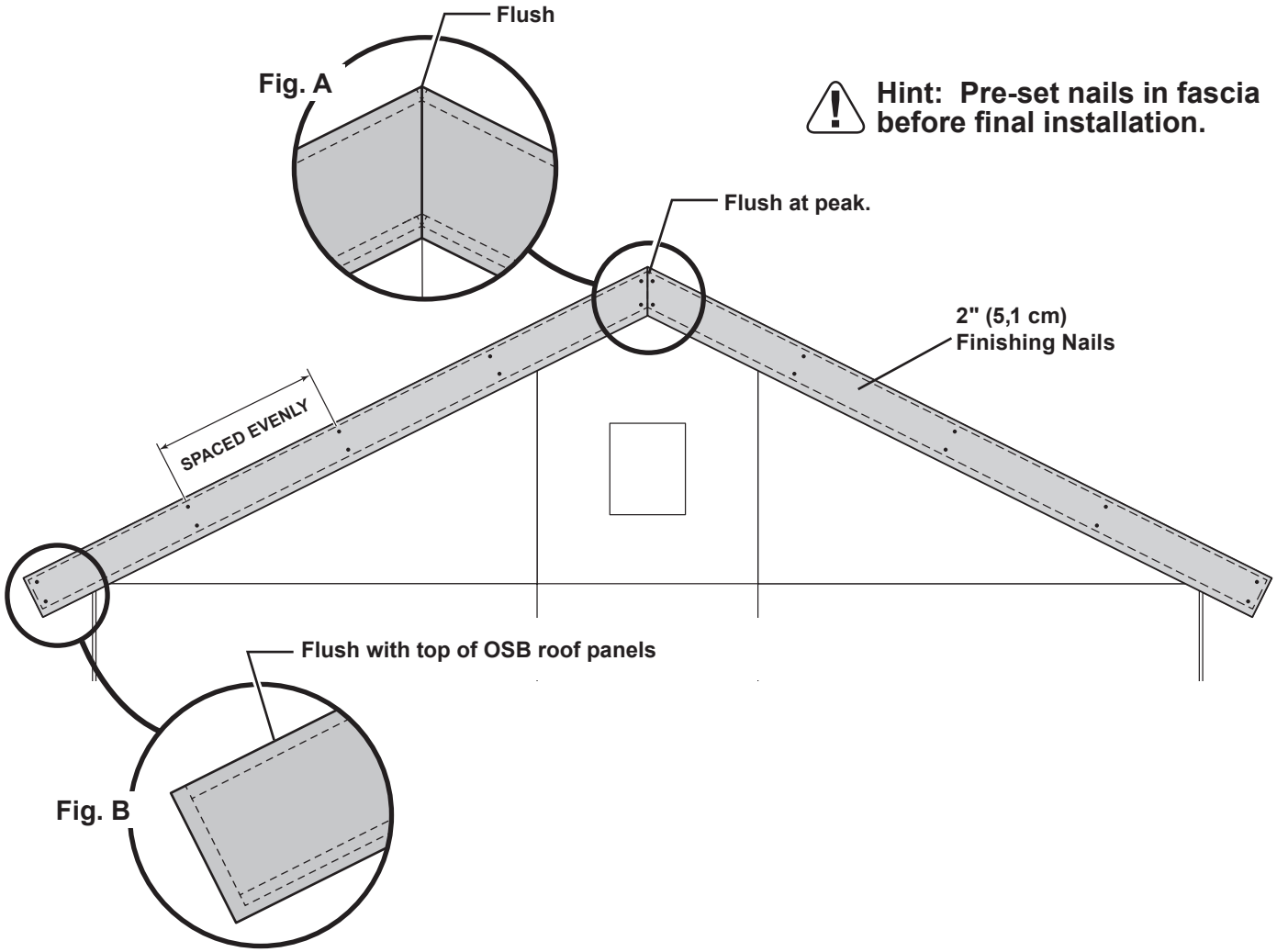
x40
2" (5,1 cm)



Install all trim panels with primed side facing out.

BEGIN

1 Install (2) fascia flush to peak and flush to roof panels **(Fig. A, Fig B)**.
Secure with 2" finishing nails spaced evenly, as shown.



Repeat steps to install fascia boards on the other gable end.

FINISH

Your gable fascia boards are now installed.

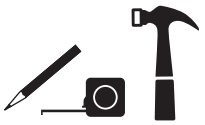
EAVE SIDE FASCIA

PARTS REQUIRED:

x52 2" (5,1 cm)

x2 3/8 x 4-3/4 x 48" (1 x 12,1 x 121,9 cm)

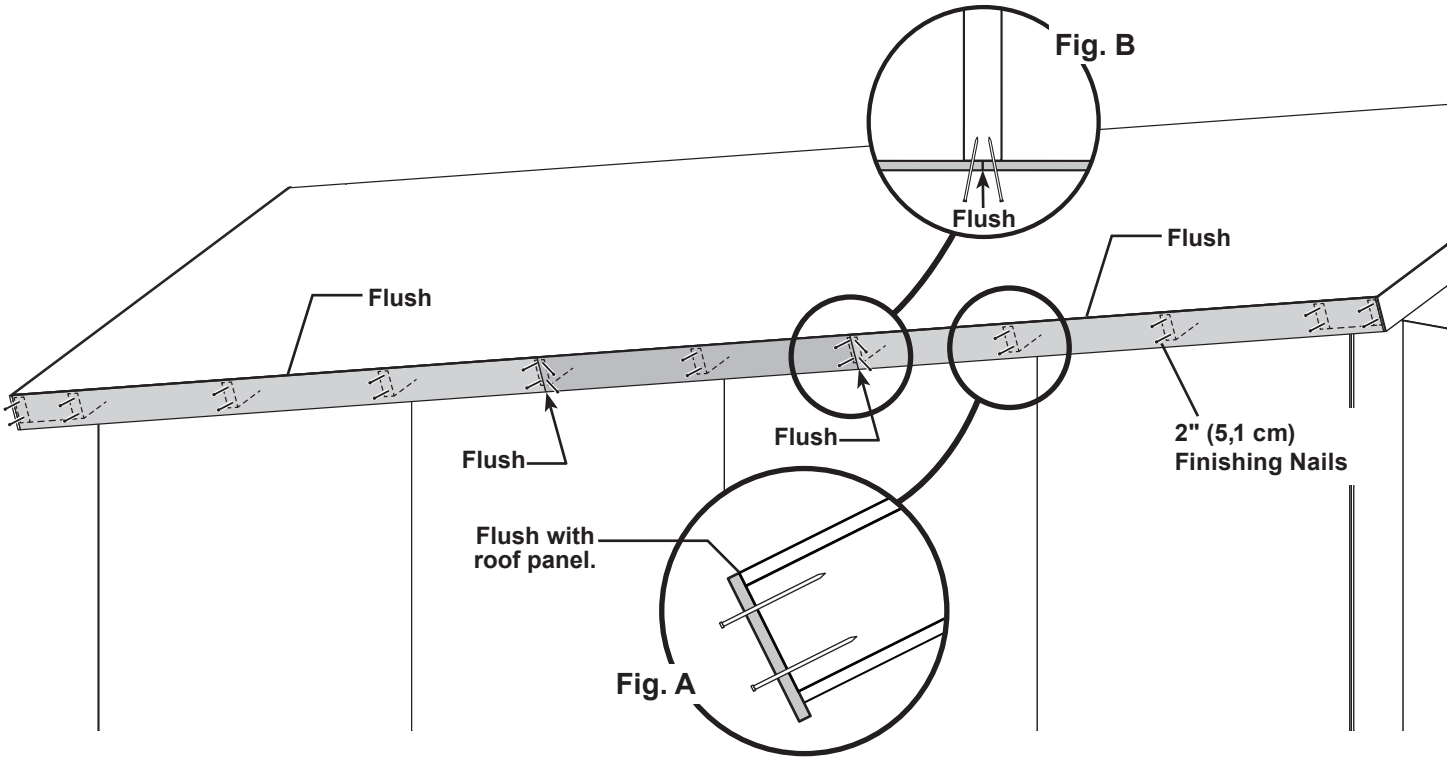
x4 3/8 x 4-3/4 x 80-7/8" (1 x 12,1 x 205,4 cm)



Install all trim with the primed side facing out.

BEGIN

1 Install (1) **4-3/4" x 48"** (2) **4-3/4" x 80-7/8"** fascia boards flush with roof panels and flush to center seam **(Fig. A, Fig. B)**.
Secure with 2" finishing nails, (2) in each rafter and (4) nails at seam **(Fig B)**.
Angle nails at seam.



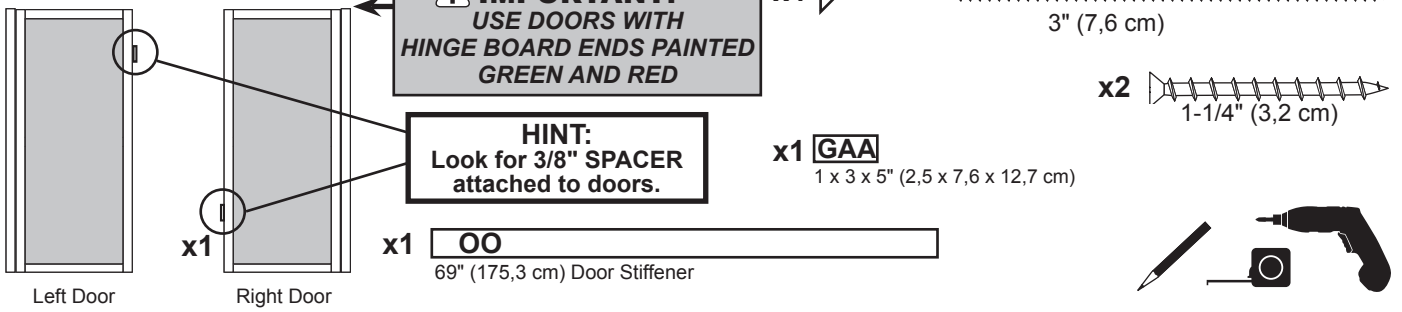
Repeat steps to install fascia on the opposite eave.

FINISH

Your eave side fascia boards are now installed.

DOUBLE DOORS - GABLE WALL

PARTS REQUIRED:

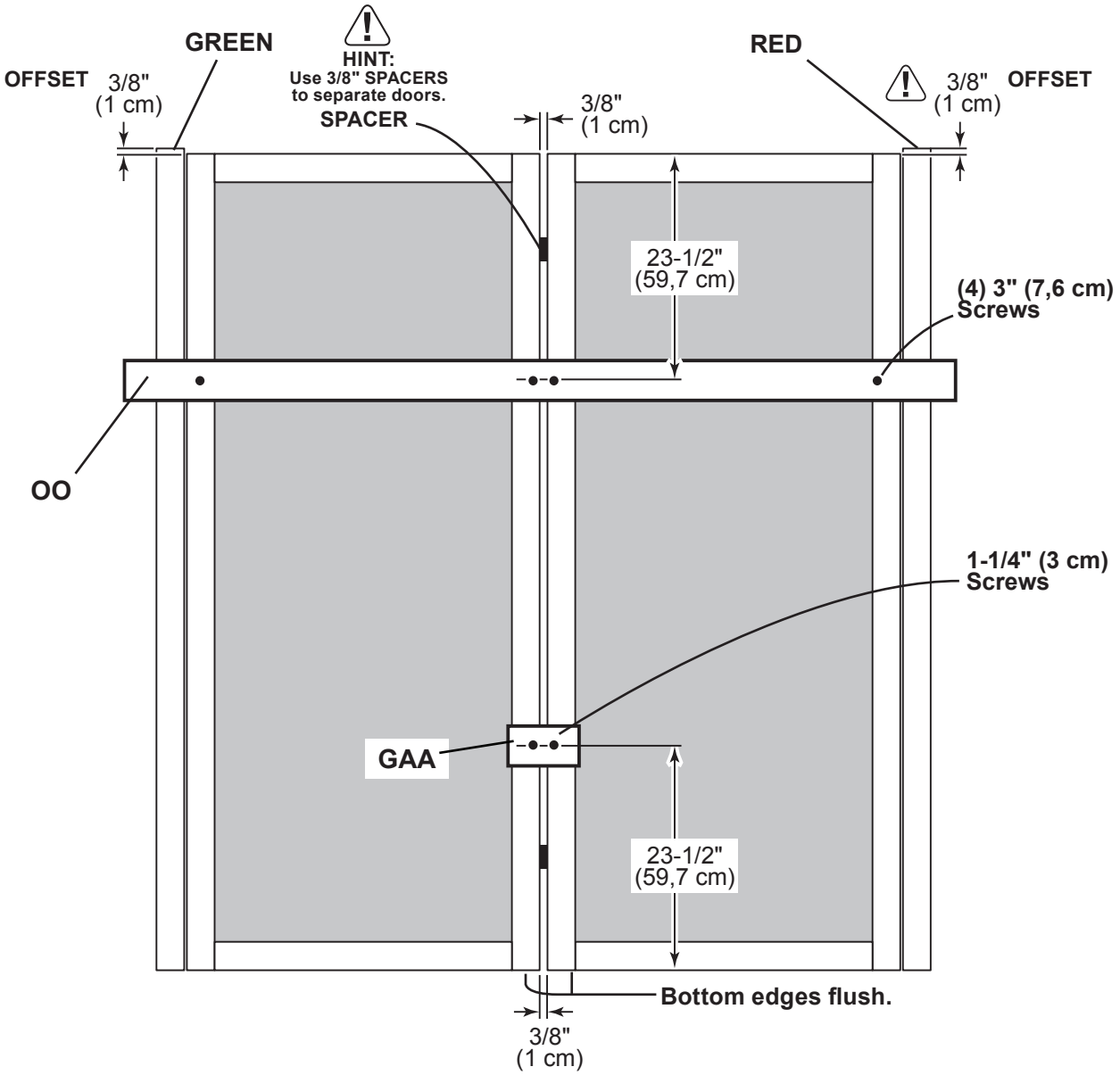


BEGIN

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

3. Install temporary support **GAA** with (2) 1-1/4" screws.

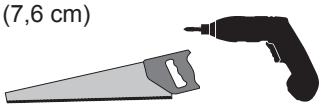


DOUBLE DOORS - GABLE WALL

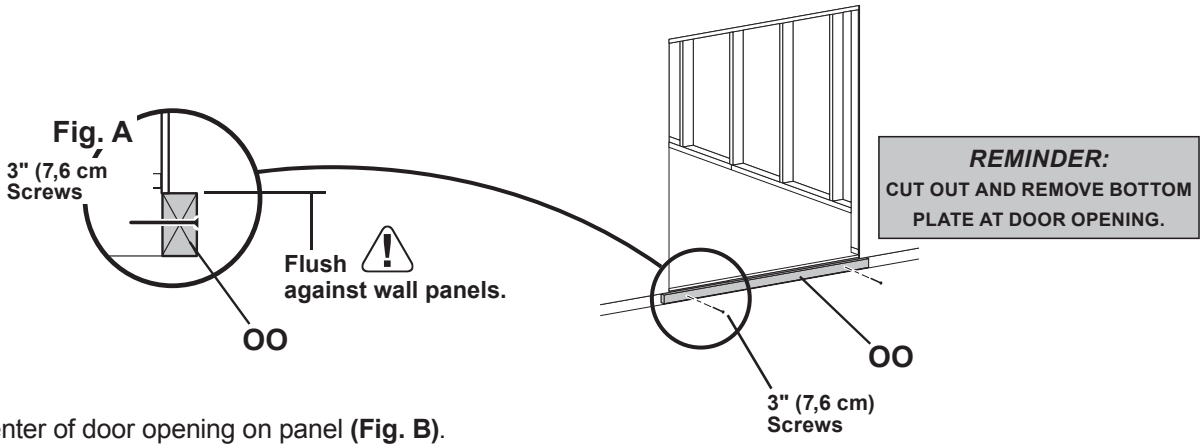
PARTS REQUIRED:

x1 **OO**
69" (175,3 cm) Door Stiffener

x12
3" (7,6 cm)



4 Install temporary support **OO** as a ledger board flush under wall panels for doors to rest on. Secure with (2) 3" screws **(Fig. A)**.



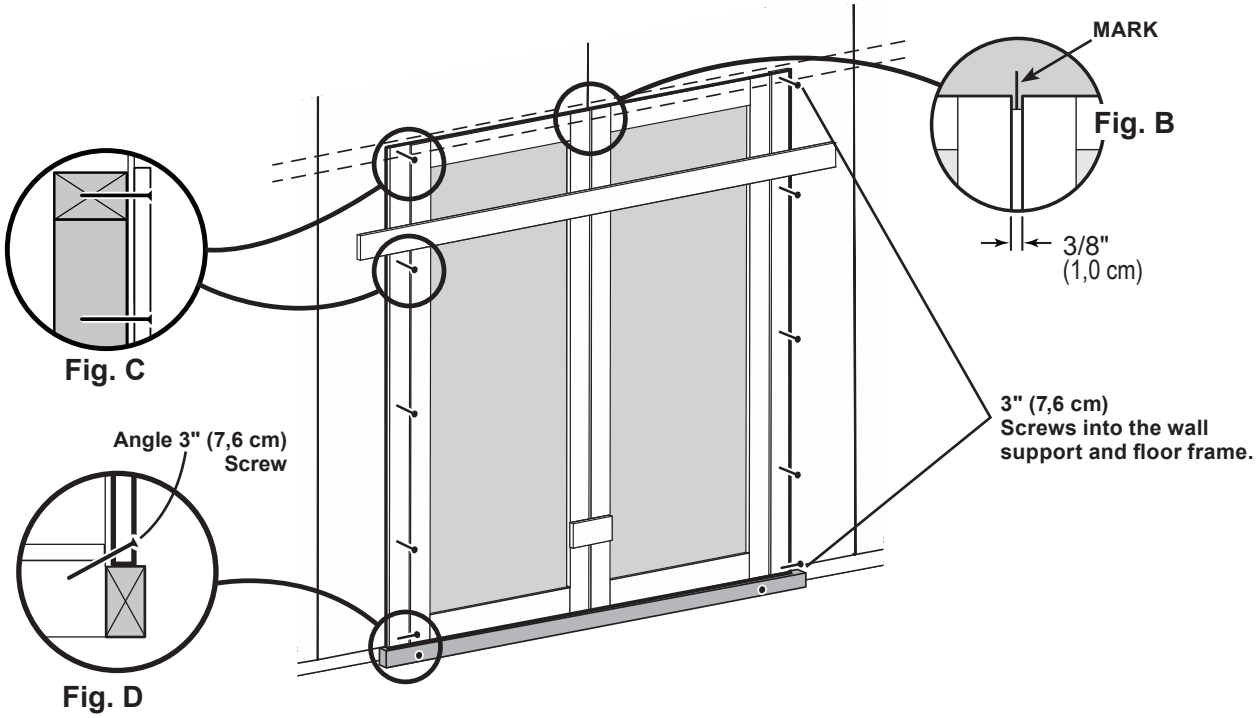
5 Mark the center of door opening on panel **(Fig. B)**.

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

6 Secure hinge boards to wall supports and floor with (10) 3" screws, as shown.

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

Remove temporary supports and check doors open properly.



FINISH

Your double doors are now installed.

DOUBLE DOORS - TRIM AND THRESHOLD

PARTS REQUIRED:

x1 **HYL**
19/32 x 2-1/2 x 50-1/8" (1,5 x 6,3 x 127,3 cm)

x1 **HYR**
19/32 x 2-1/2 x 50-1/8" (1,5 x 6,3 x 127,3 cm)

x1 **ZJ**
19/32 x 3 x 72" (1,5 x 7,6 x 183 cm)

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

x1
64" Metal Threshold

x4 **AH**
19/32 x 3 x 26-5/8" (1,5 x 7,6 x 67,6 cm)

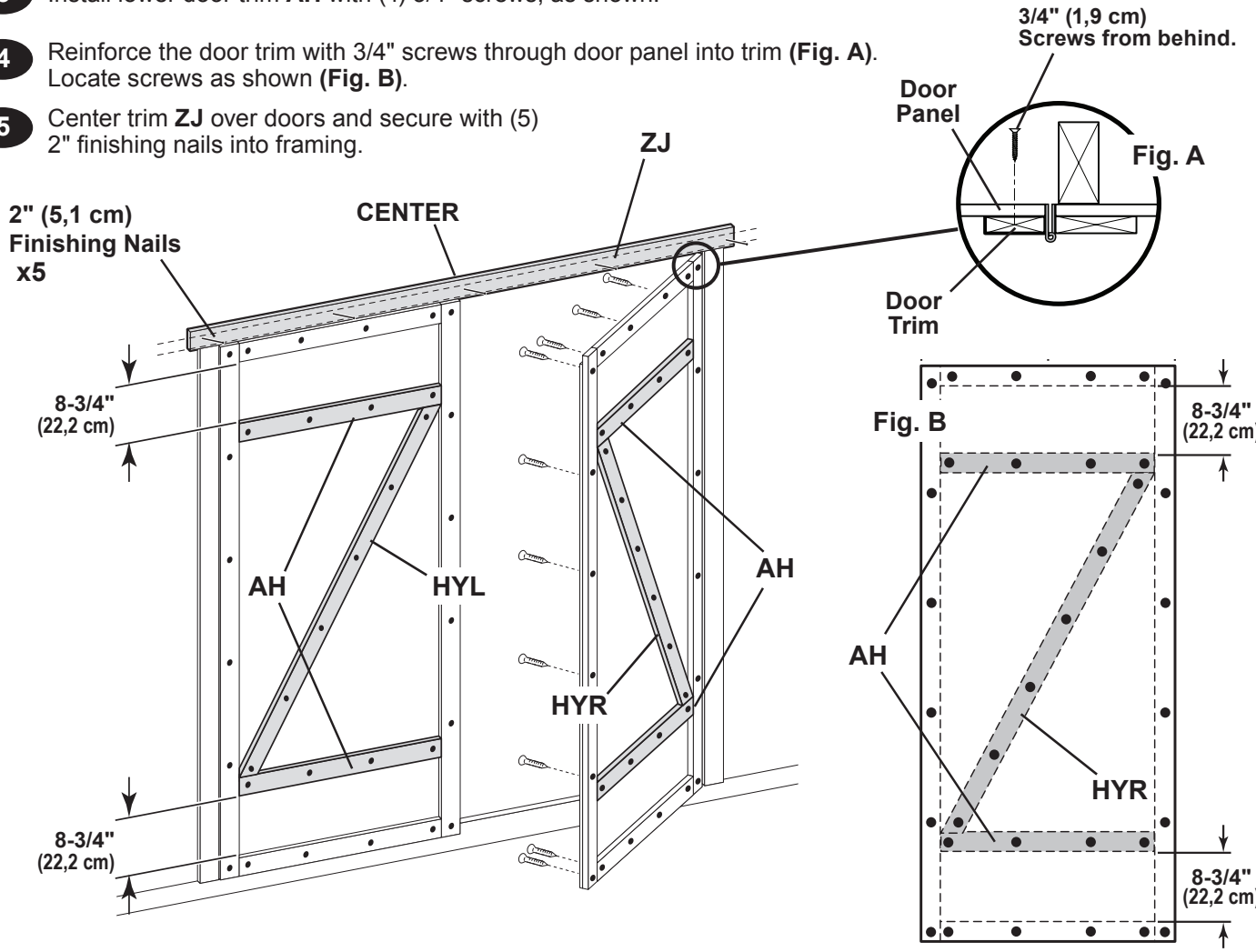
x5
2" (5,1 cm)

x64
3/4" (1,9 cm)

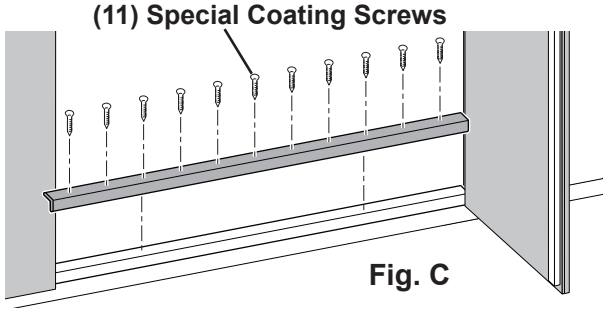
See page 57 for 2 additional door trim options.

BEGIN

1. Install upper door trim **AH** with (4) 3/4" screws to doors from inside of doors.
2. Install **HYL** and **HYR** flush to trim **AH** with 3/4" screws from inside of doors **(Fig. B)**.
3. Install lower door trim **AH** with (4) 3/4" screws, as shown.
4. Reinforce the door trim with 3/4" screws through door panel into trim **(Fig. A)**. Locate screws as shown **(Fig. B)**.
5. Center trim **ZJ** over doors and secure with (5) 2" finishing nails into framing.



6. Center metal threshold between doors. Secure with (11) 3/4" special coating screws into floor as shown **(Fig, C)**.



FINISH

Your door trim and threshold are now installed.

DOOR TRIM OPTIONS

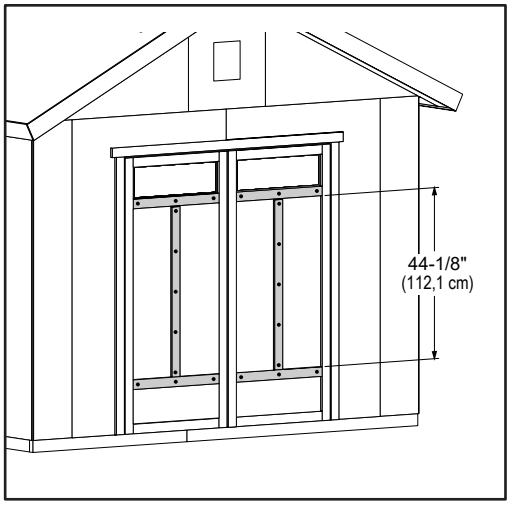
PARTS REQUIRED:

x4 **AH**
19/32" x 2-1/2" x 26-5/8" (1,5 x 6,3 x 67,6 cm)

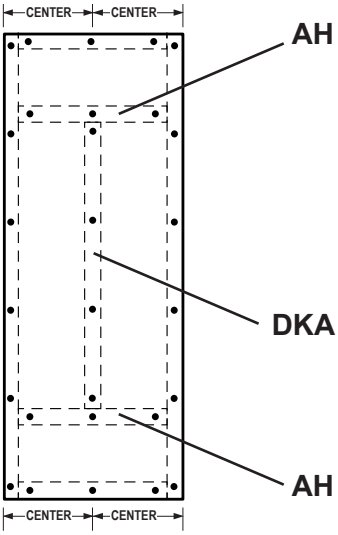
x2 **DKA**
19/32" x 2-1/2" x 44-1/8" (1,5 x 6,3 x 112,1 cm)

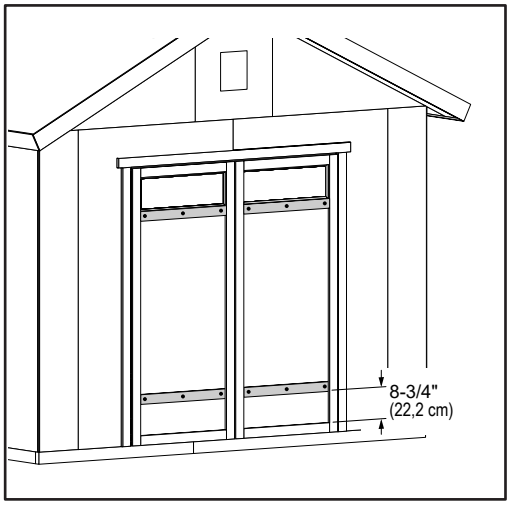
Follow standard door trim installation steps on page 56.

Choose from 2 additional trim designs for your doors.

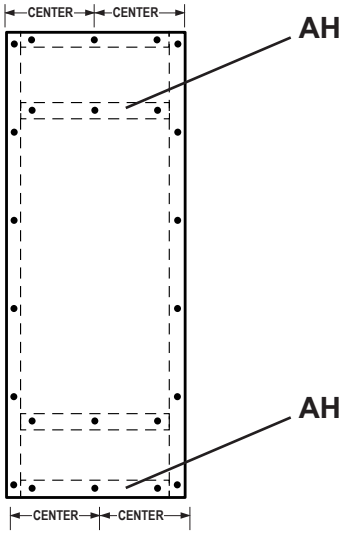


x56 3/4" (1,9 cm)



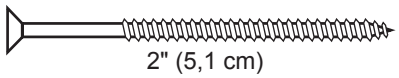


x48 3/4" (1,9 cm)



DOUBLE DOOR STIFFENERS - GABLE WALL

PARTS REQUIRED:

x12 

x2 **OO**
69" (175,3 cm) Door Stiffener

BEGIN

1 Center **OO** vertically on the left door in the door opening flush with the edge of door **(Fig. A)**.
Secure with (6) 2" screws through outside trim into **OO (Fig. B)**

Repeat steps to install OO on right door.

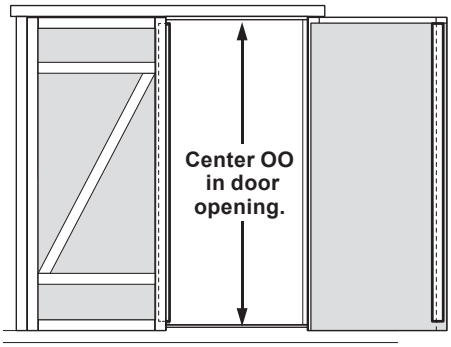
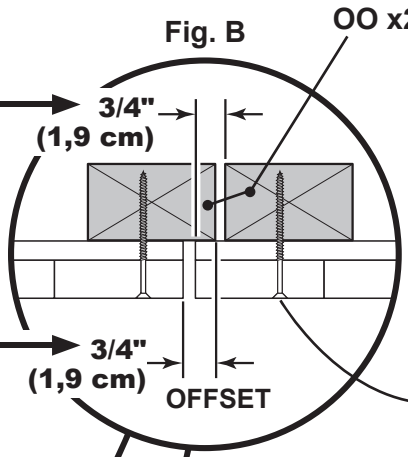
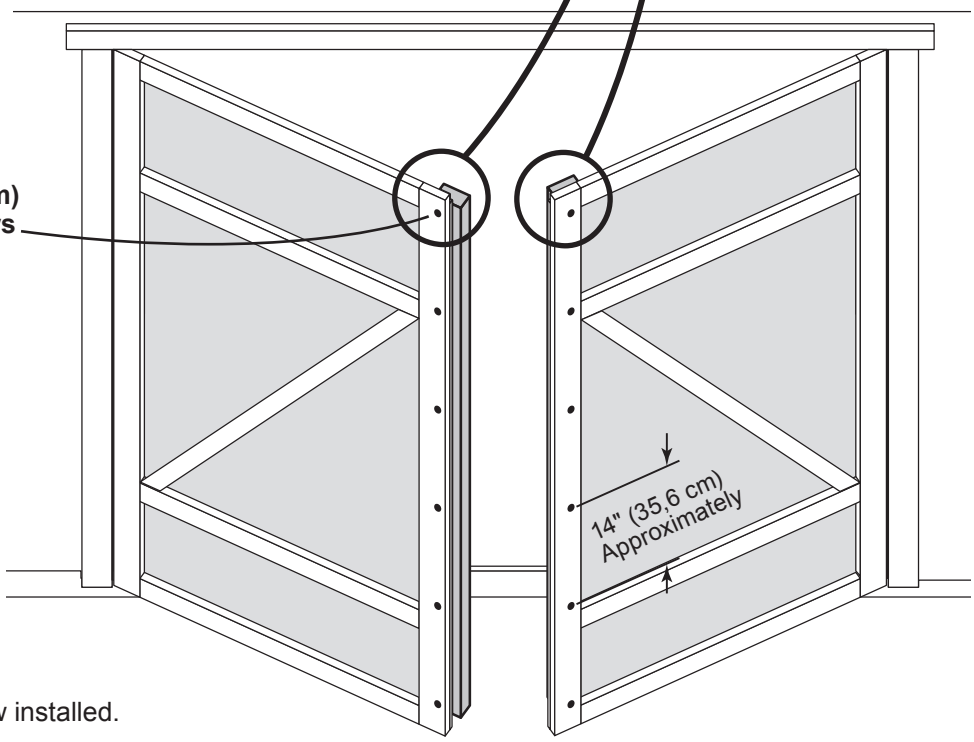


Fig. A

IT IS IMPORTANT TO HOLD THESE DIMENSIONS



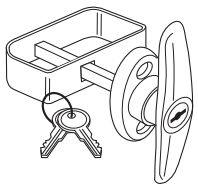


FINISH

Your door stiffeners are now installed.

DOUBLE DOOR HARDWARE

PARTS REQUIRED:

x1 

x1 
4" Shaft

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

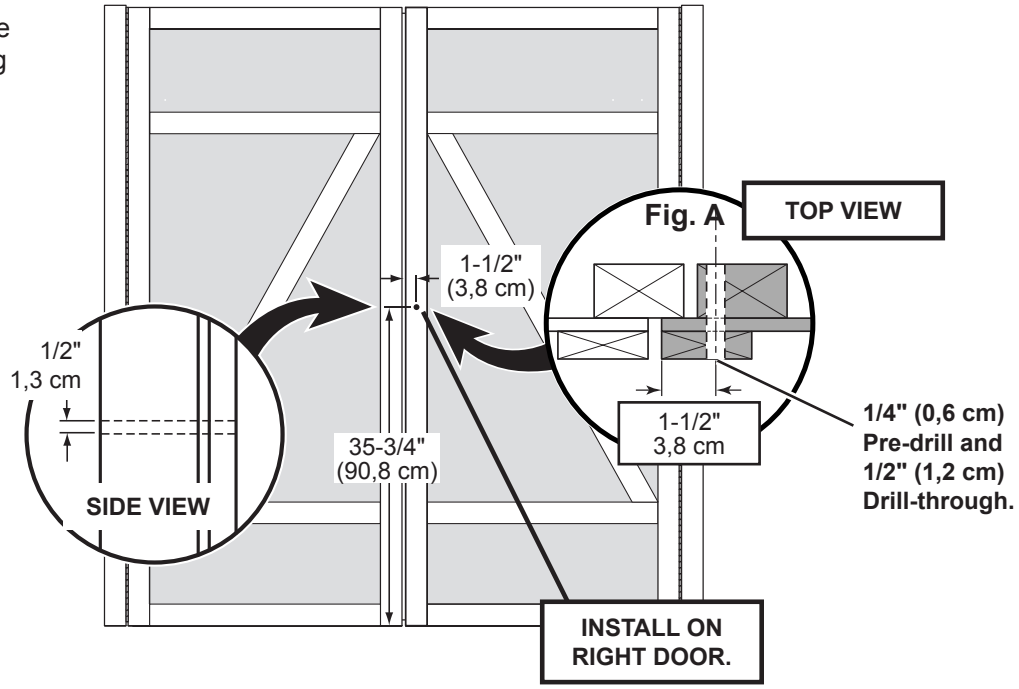

1/4" (0,6 cm)
1/2" (1,3 cm)
Drill Bits

BEGIN

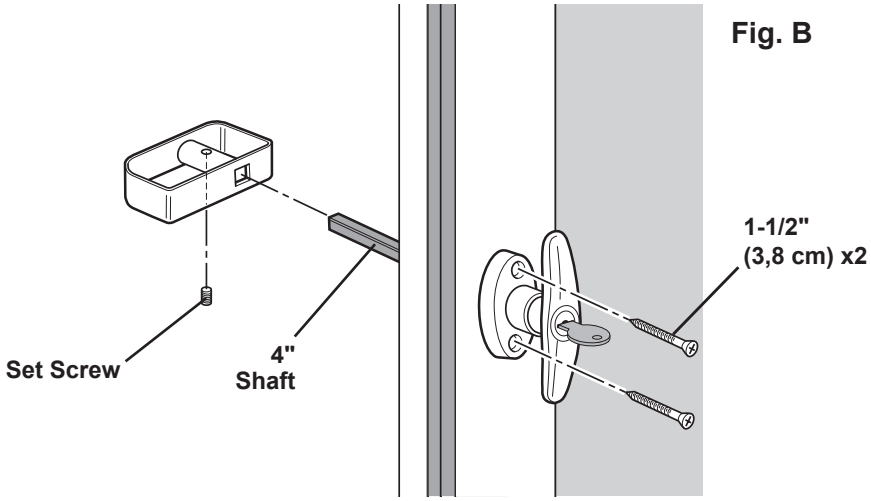
1 Measure and mark location of hole on outside of right door as shown **(Fig. A)**.
Pre-drill pilot hole with 1/4" dril.

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

Keep drilled hole square to trim to avoid breaking edge of door stiffeners.



2 Insert shaft in hole and secure handle with 1-1/2" screws **(Fig. B).**
Attach inside handle and secure with set screw as shown.

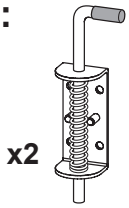


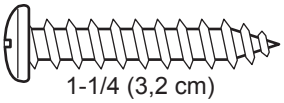
FINISH

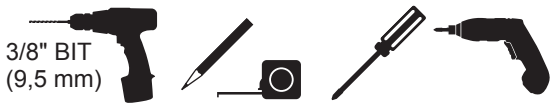
Your door handle is now installed

DOUBLE DOOR HARDWARE

PARTS REQUIRED:







BEGIN

1 Flush and center top spring bolt at the top of **OO (Fig. A)**. Secure with (4) 1-1/4" screws.
Mark spring bolt pin location on over door frame. Drill a 1-1/2" deep hole using a 3/8" drill bit.

2 Flush and center bottom spring bolt to bottom of **OO (Fig. B)**. Secure with (4) 1-1/4" screws.
Mark spring bolt pin location on floor.
Drill a 1-1/2" deep hole using a 3/8" drill bit.

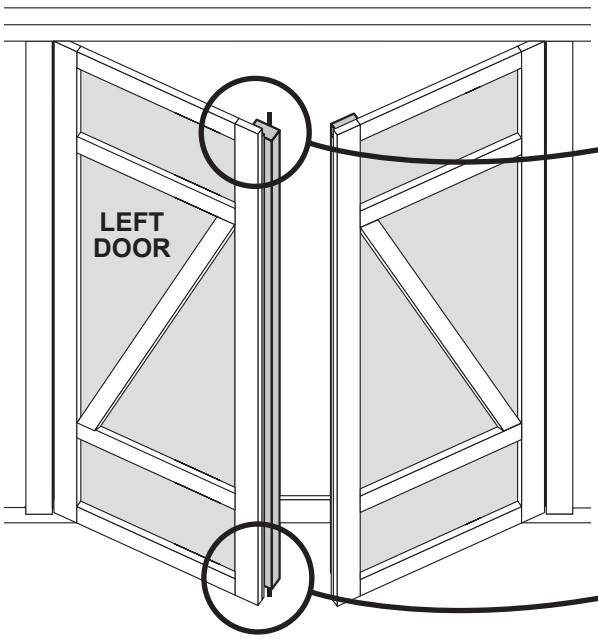


Fig. A

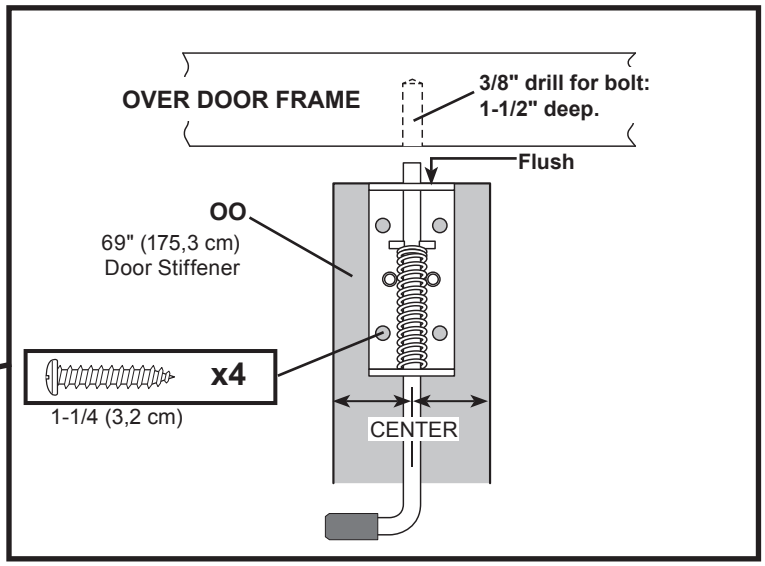
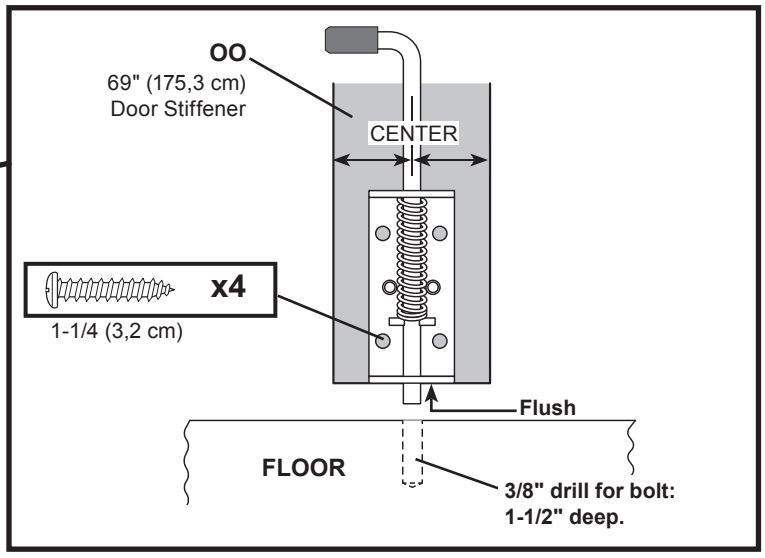


Fig. B

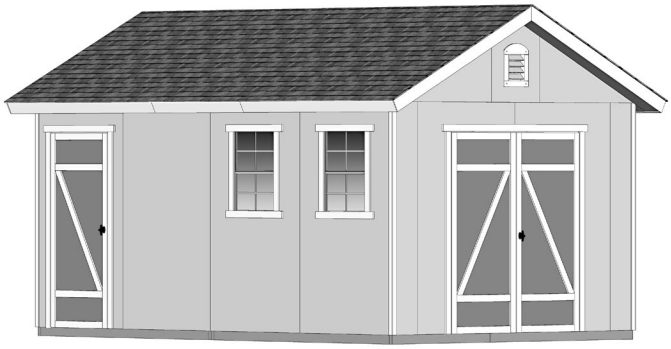


FINISH

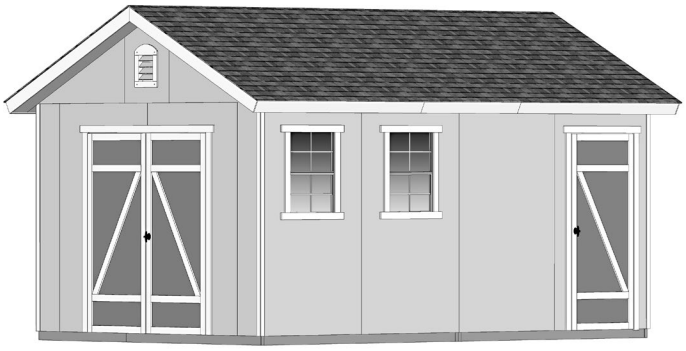
Your spring bolts are now installed.

⚠ STOP ⚠

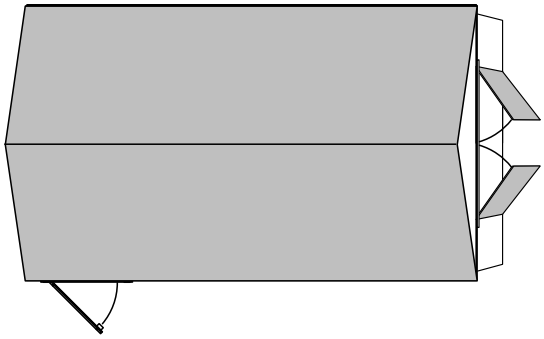
CHOOSE YOUR SINGLE DOOR SWING-DIRECTION - LEFT OR RIGHT



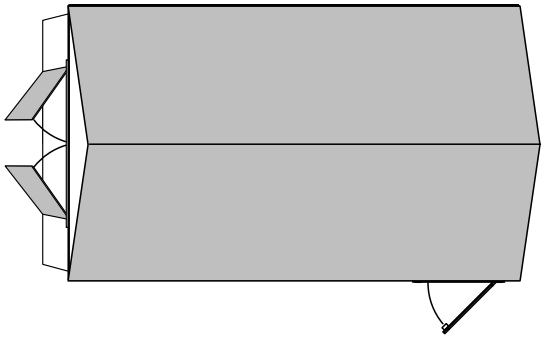
OPTION 1:
DOOR LOCATION
LEFT SIDE OF EAVE WALL



OPTION 2:
DOOR LOCATION
RIGHT SIDE OF EAVE WALL



LEFT HAND DOOR



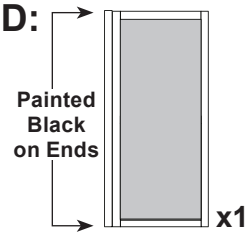
RIGHT HAND DOOR

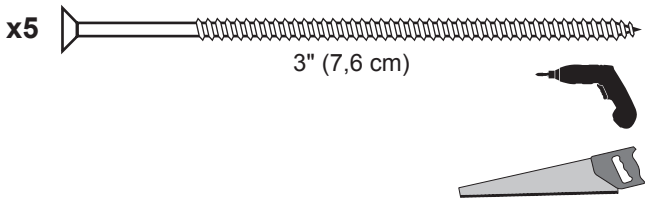
GO TO Next Page

GO TO Page 65

EAVE WALL L.H. DOOR

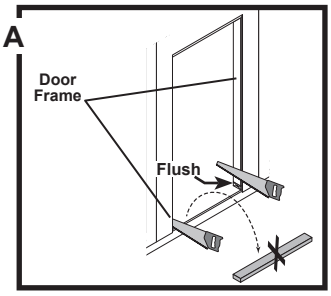
PARTS REQUIRED:





BEGIN

1. Carefully cut bottom wall frame 2 x 4 flush with door frame using a saw **(Fig. A)**.
   ⚠ ***Be careful not to cut into floor panel!***

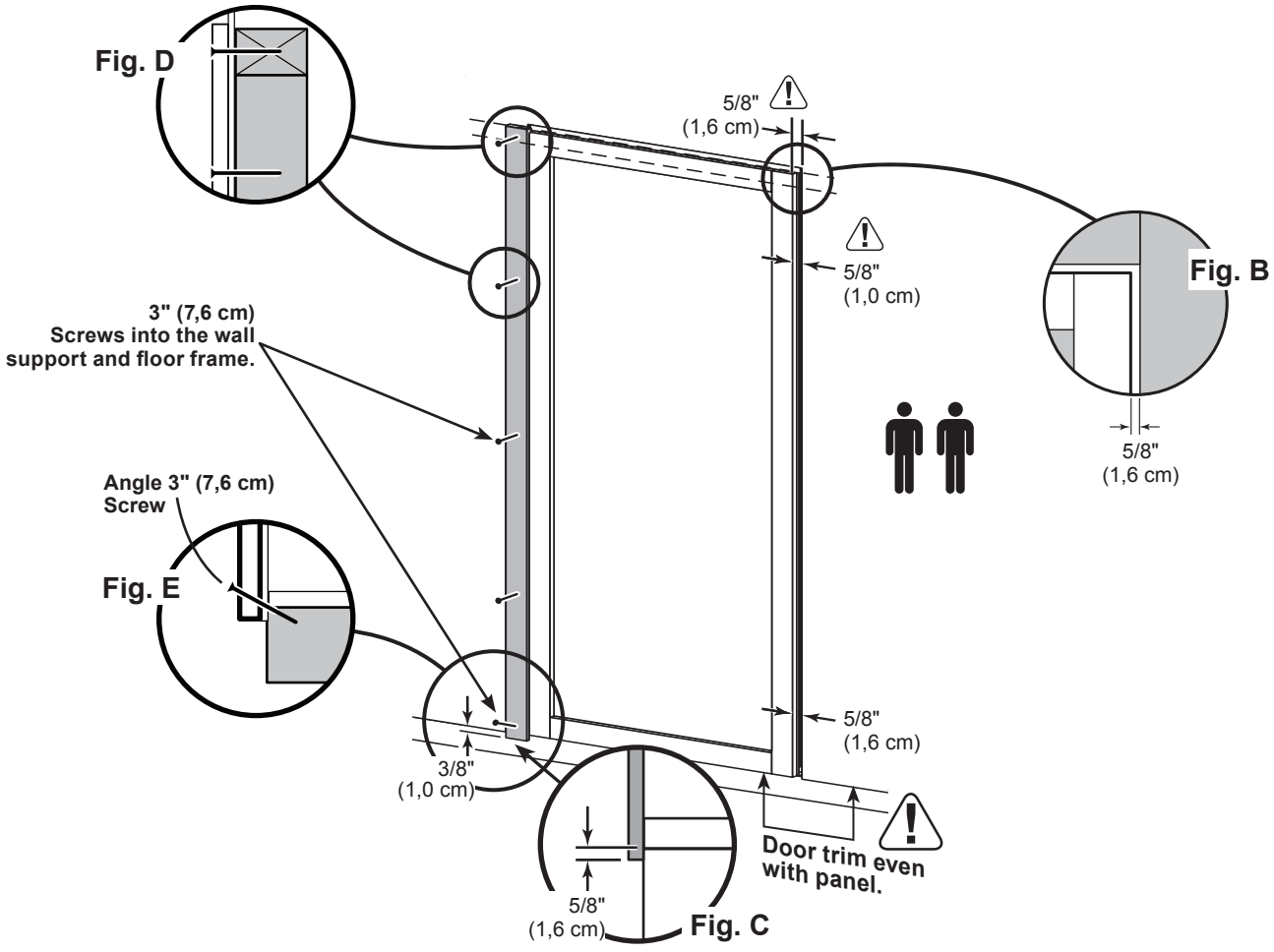


2. Install door with black-painted hinge board.

3. Center door in wall panel opening.
   Hold door in position and keep level.

4. Measure Gap **(Fig. B)** between door trim and wall panel as shown.
   Hold door in position and keep level.
   ⚠ ***Hinge-board must overhang wall panel at measurement shown*** **(Fig. C)**.
   Bottom of door trim is even with wall panel, as shown. ⚠

5. Screw hinge boards into wall supports and floor using (5) 3" screws as shown.
   ⚠ **Make sure screws go into framing and floor (Fig. D, Fig. E)**.



FINISH

Your single door is now installed.

EAVE WALL L.H. DOOR - TRIM

PARTS REQUIRED:

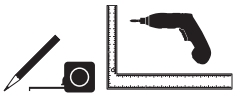
x2 **AH**
19/32 x 3 x 26-5/8" (1,5 x 7,6 x 67,6 cm)

x1 **GEA**
19/32 x 3 x 39-3/8" (1,5 x 7,6 x 100 cm)

x32 3/4" (1,9 cm)

x9 2" (5,1 cm)

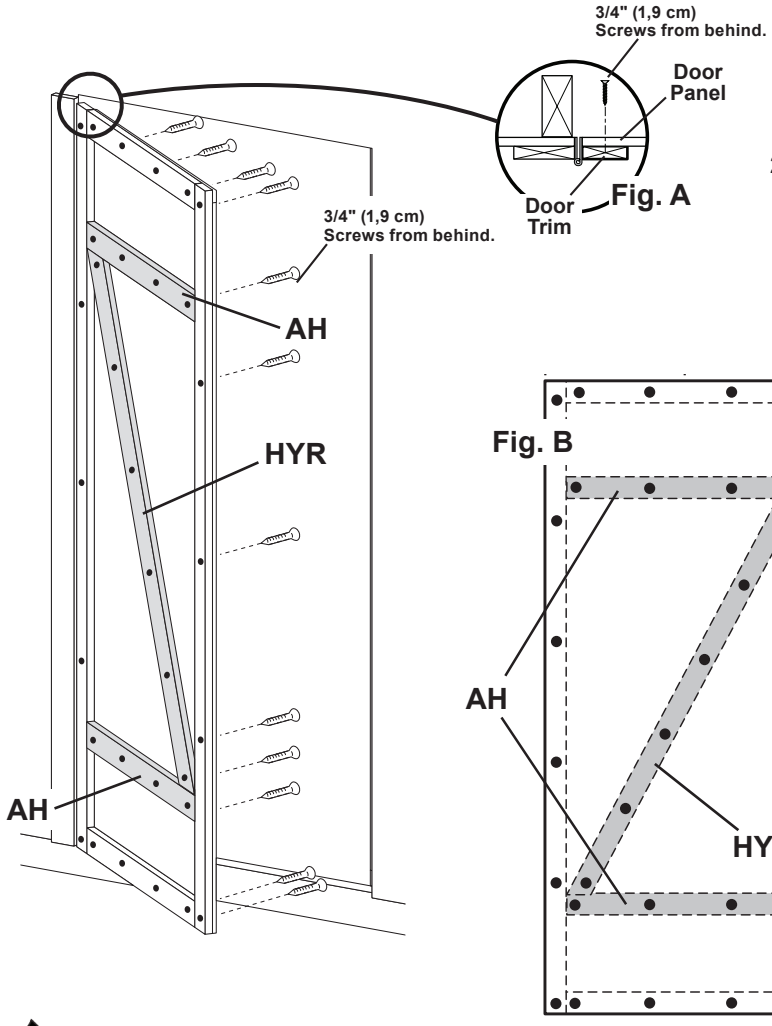
x1 **HYR**
19/32 x 2-1/2 x 50-1/8" (1,5 x 6,3 x 127,3 cm)

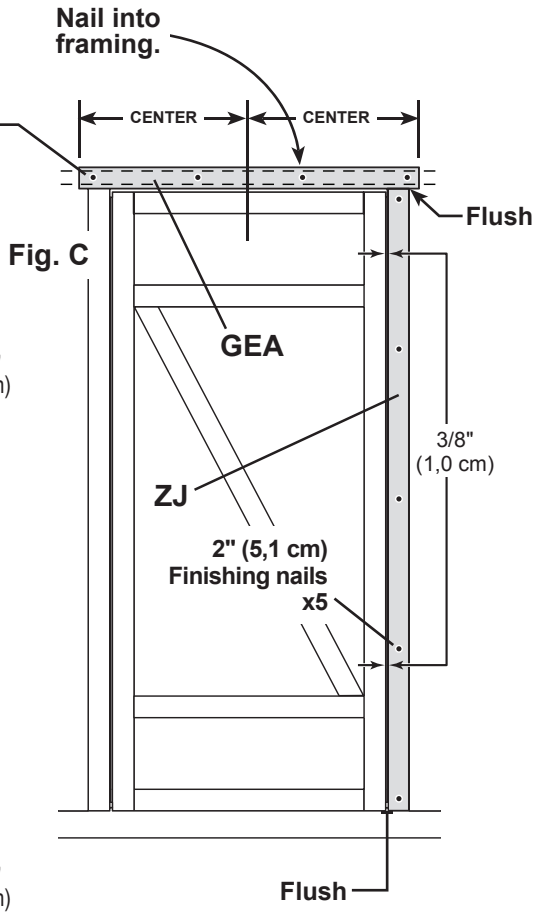


See page 56 for 2 additional door trim options.

BEGIN

1. Install upper door trim **AH** and secure with (4) 3/4" screws from inside of door.
2. Install **HYR** flush to installed door trim **AH** and secure with 3/4" screws from inside of door. **(Fig. B)**.
3. Reinforce the door trim using 3/4" screws through door panel into trim **(Fig. A)**. Locate screws as shown **(Fig. B)**.
4. Flush **ZJ** with bottom of wall panel and door and secure with (5) 2" finishing nails into framing as shown. Ensure 3/8" measurement as shown **(Fig. C)**.
5. Center trim **GEA** over door and secure with (4) 2" finishing nails into framing as shown **(Fig. C)**.





FINISH

Your door trim is now installed.

EAVE WALL - L.H. DOOR STIFFENER/ THREshold/ WEATHER STRIP

PARTS REQUIRED:

x1 **OO**
69" (175,3 cm) Door Stiffener

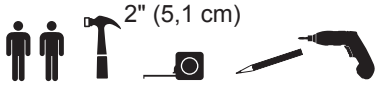
x2 **LRA**
1 x 4 x 69-3/4" (2,5 x 10,2 x 177,2 cm)

3/4" (1,9 cm) x6
Bagged separately / special coating

x1
31-5/8" Metal Threshold

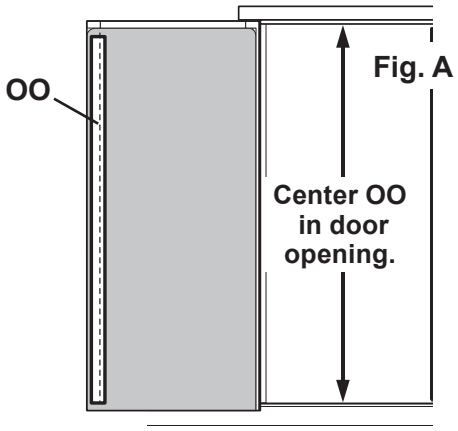
x6 2" (5,1 cm)

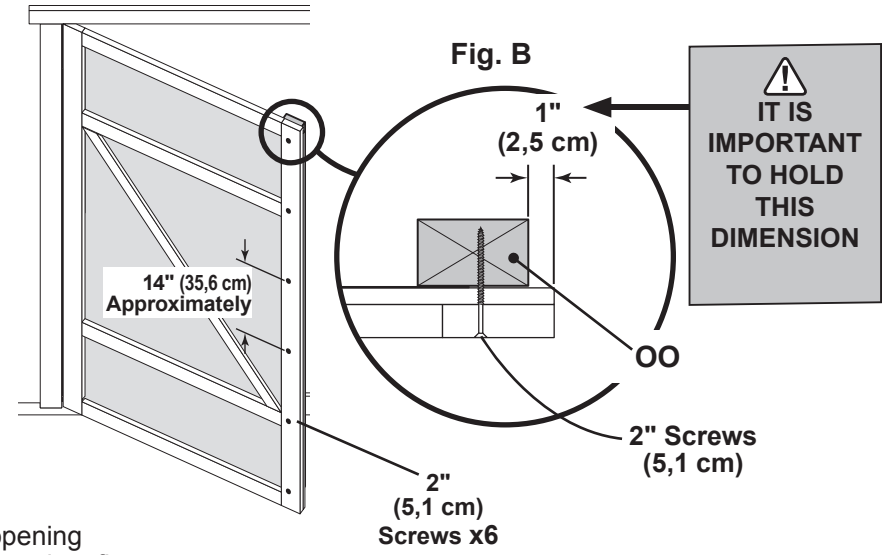
x20 2" (5,1 cm)



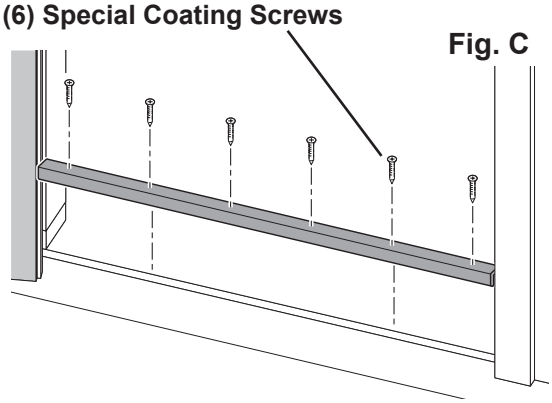
BEGIN

1 Center **OO** vertically on door in the door opening **(Fig. A)** 1" from edge of door **(Fig. B)**.
Secure with (6) 2" screws through outside trim into **OO (Fig. B)**

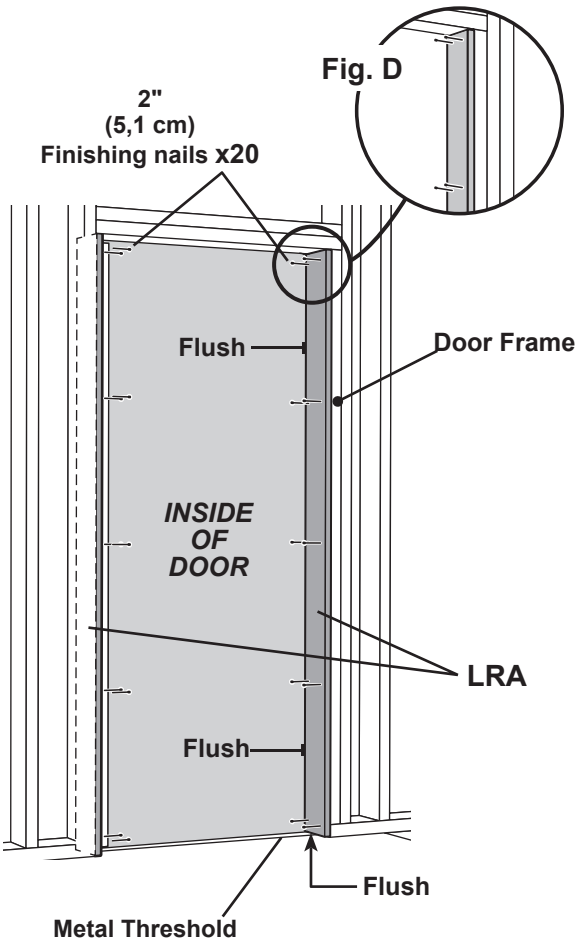




2 Center metal threshold on floor in door opening and secure with 3/4" special coating screws into floor **(Fig. C)**.



3 Working inside shed with door held closed, install weatherstrip **LRA** flush to metal threshold at bottom of door **(Fig. D)**.
Hold **LRA** tight against inside of door **(Fig. D)**.
Secure **LRA** with 2" finishing nails into right door frame, as shown.



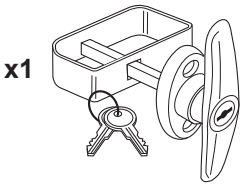
Repeat step 3 to install LRA on other side of door opening.

FINISH

You have finished installing your weatherstrip and threshold.

EAVE WALL L.H. - DOOR HARDWARE

PARTS REQUIRED:



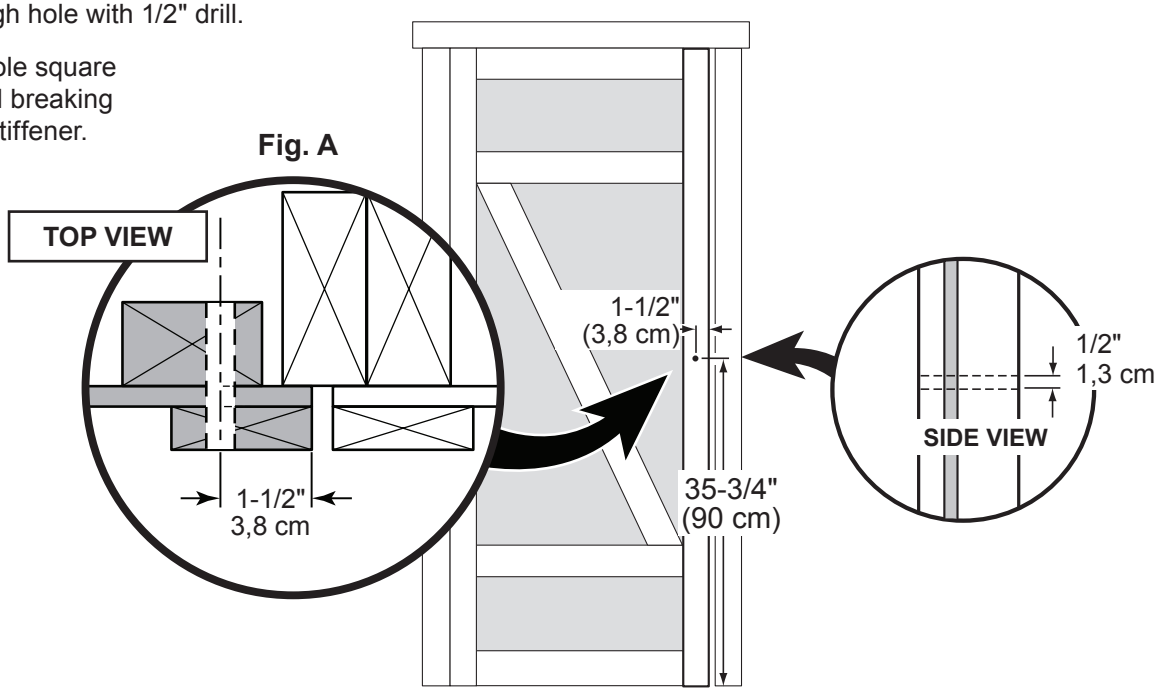
BEGIN

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

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

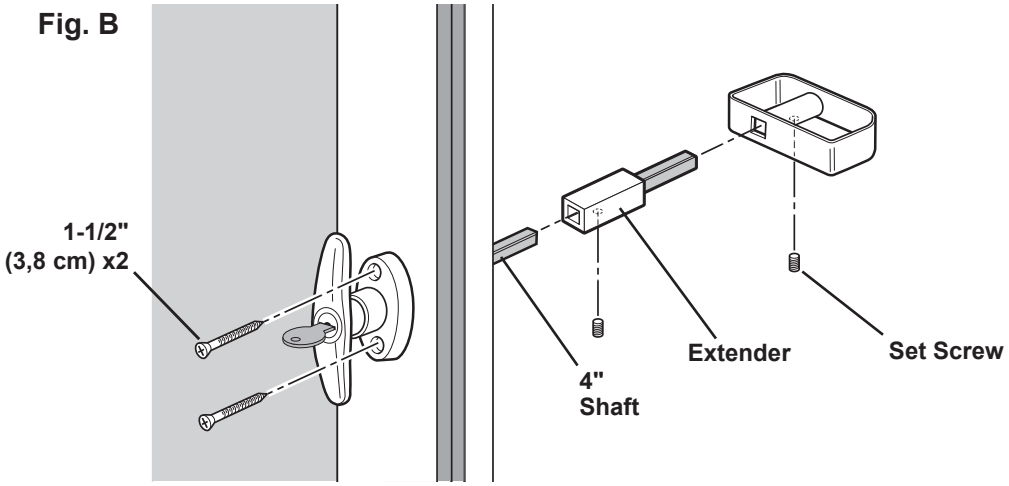
Keep drilled hole square to trim to avoid breaking edge of door stiffener.

Fig. A



2 Insert shaft in hole and secure handle with 1-1/2" screws **(Fig. B)**.
Install extender over shaft. Attach inside handle and secure extender and handle with set screws, as shown.

Fig. B



FINISH

Your door handle is now installed

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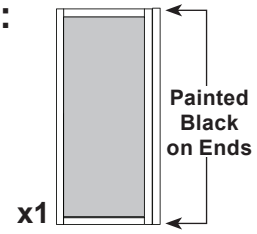
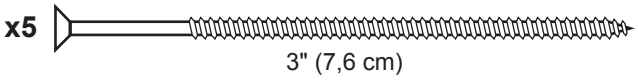
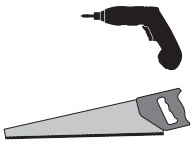
EAVE WALL R.H. DOOR

PARTS REQUIRED:



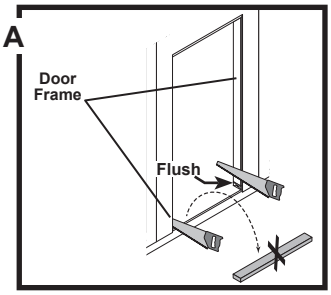




BEGIN

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

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



2 Install door with black-painted hinge board to the right.

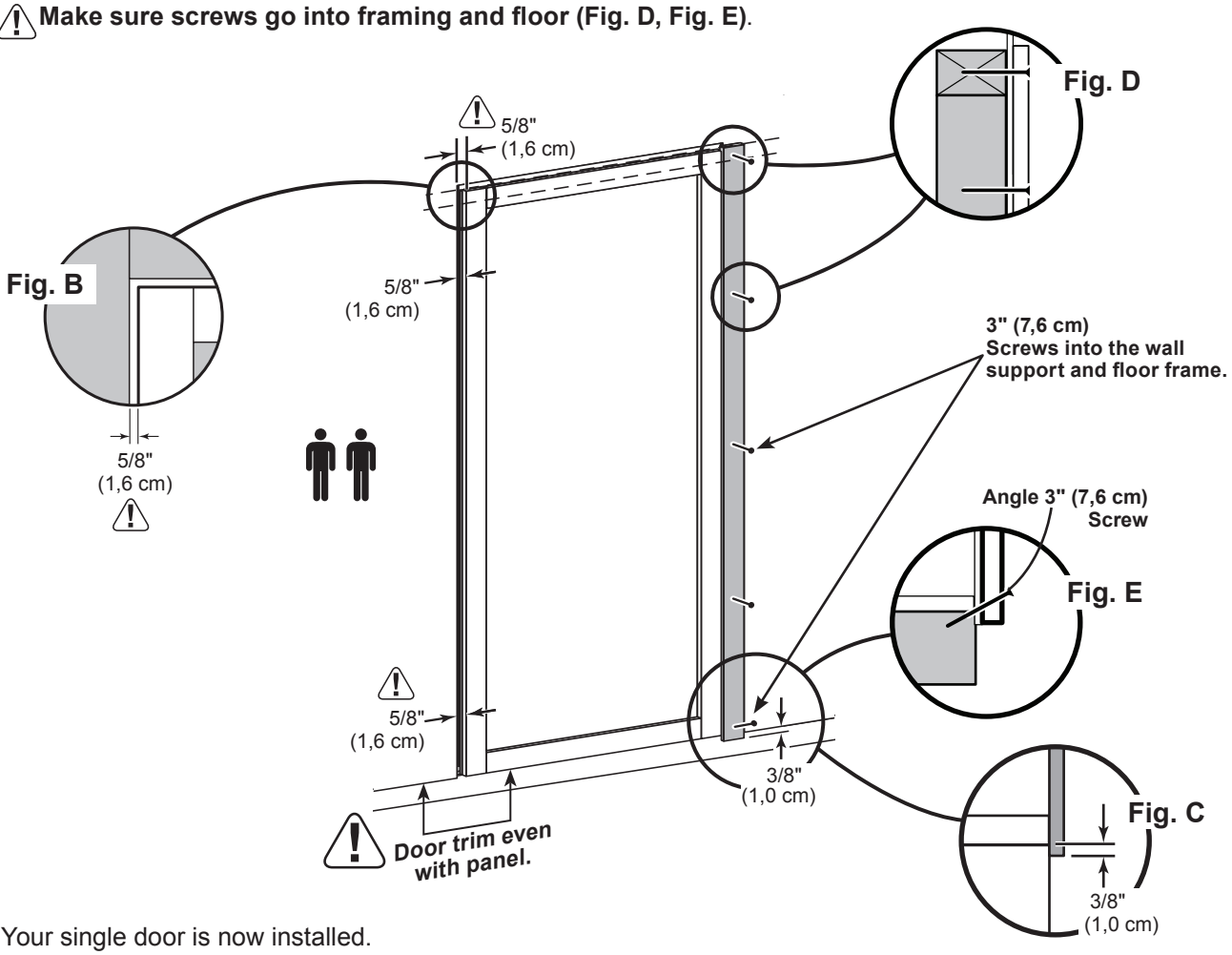
3 Center door in wall panel opening.
Hold door in position and keep level.

4 Measure Gap **(Fig. B)** between door trim and wall panel.
Hold door in position and keep level.

⚠ ***Hinge-board must overhang wall panel at measurement shown*** **(Fig. C)**.
Bottom of door trim is even with wall panel as shown.

5 Secure hinge boards to wall supports and floor with (5) 3" screws, as shown.

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

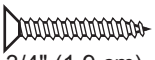


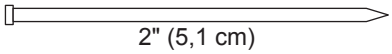
FINISH

Your single door is now installed.

EAVE WALL R.H. DOOR - TRIM

PARTS REQUIRED:

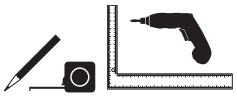
x32 
3/4" (1,9 cm)

x9 
2" (5,1 cm)

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

x1 GEA
19/32 x 3 x 39-3/8" (1,5 x 7,6 x 100 cm)

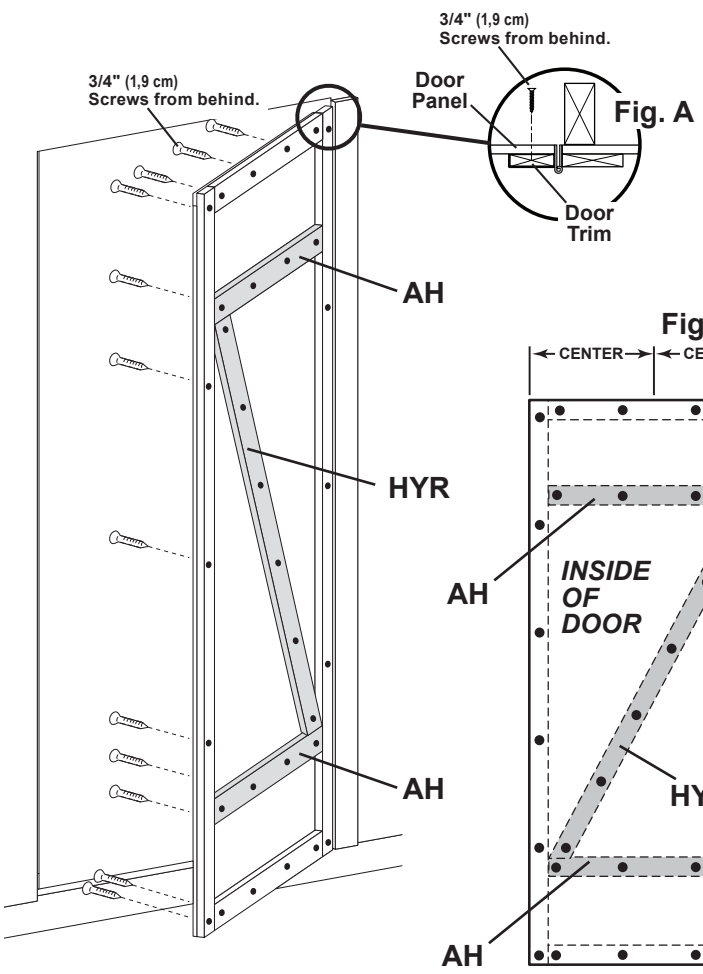
x1 HYR
19/32 x 2-1/2 x 50-1/8" (1,5 x 6,3 x 127,3 cm)

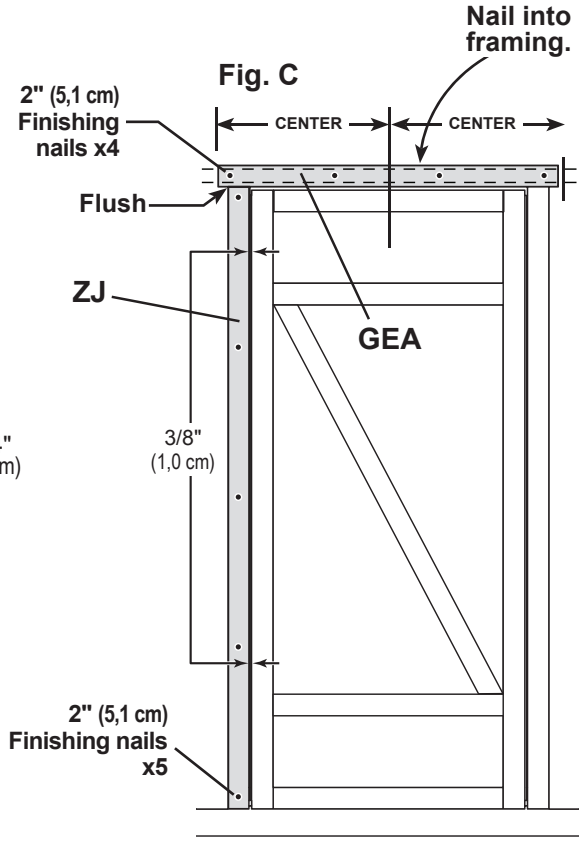


See page 56 for 2 additional door trim options.

BEGIN

1. Install upper door trim **AH** and secure with (4) 3/4" screws from inside of door.
2. Install **HYR** flush to installed door trim **AH** and secure with 3/4" screws from inside of door. **(Fig. B)**.
3. Reinforce the door trim using 3/4" screws through door panel into trim **(Fig. A)**. Locate screws as shown **(Fig. B)**.
4. Flush **ZJ** with bottom of wall panel and door and secure with (5) 2" finishing nails into framing as shown. Ensure 3/8" measurement as shown **(Fig. C)**.
5. Center trim **GEA** over door and secure with (4) 2" finishing nails into framing as shown **(Fig. C)**.





FINISH

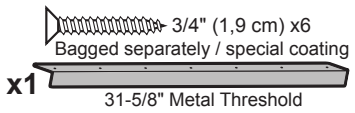
Your door trim is now installed.

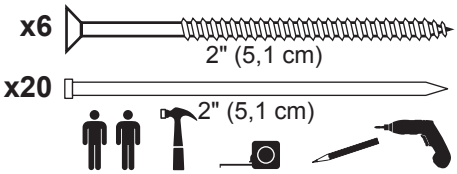
EAVE WALL - R.H. DOOR STIFFENER/ THRESHOLD/ WEATHER STRIP

PARTS REQUIRED:

x1 **OO**
69" (175,3 cm) Door Stiffener

x2 **LRA**
1 x 4 x 69-3/4" (2,5 x 10,2 x 177,2 cm)

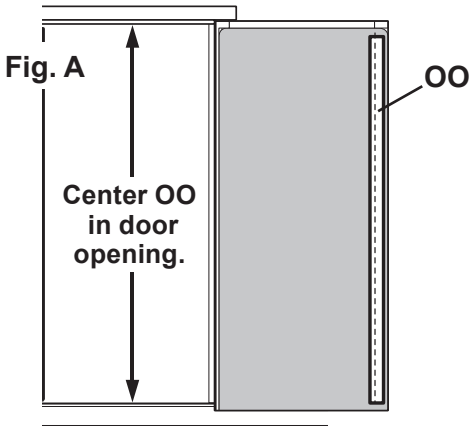


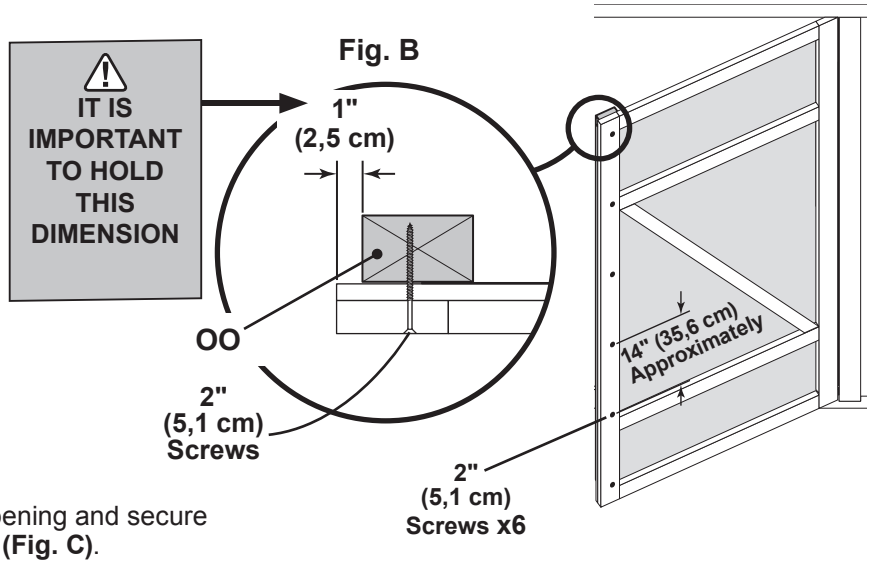


BEGIN

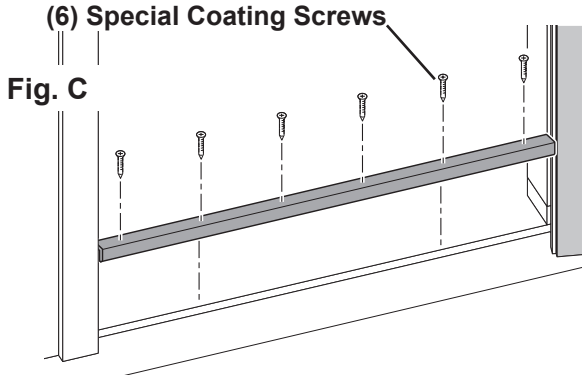
1 Center **OO** vertically on door in the door opening **(Fig. A)** 1" from edge of door **(Fig. B)**.

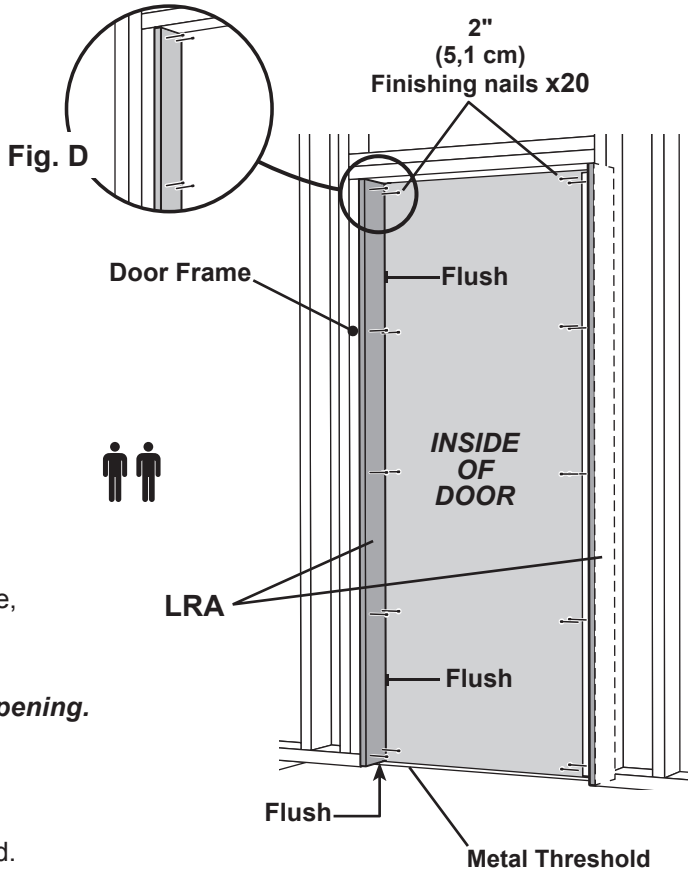
Secure with (6) 2" screws through outside trim into **OO (Fig. B)**





2 Center metal threshold on floor in door opening and secure with 3/4" special coating screws into floor **(Fig. C)**.





3 Working inside shed with door held closed, install weatherstrip **LRA** flush to metal threshold at bottom of door **(Fig. D)**.

Hold **LRA** tight against inside of door **(Fig. D)**.

Secure **LRA** using 2" finishing nails into right door frame, as shown.

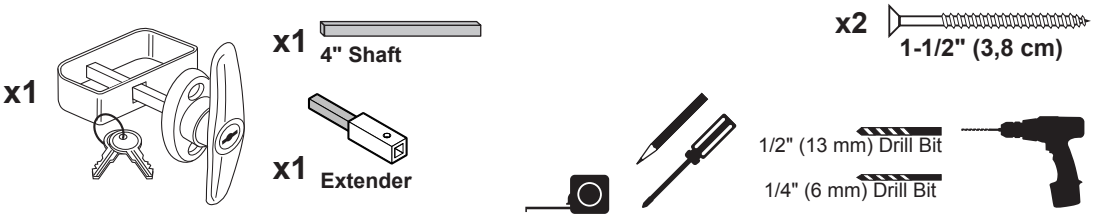
Repeat step 3 to install LRA on other side of door opening.

FINISH

Your weatherstrip and threshold have now been installed.

EAVE WALL R.H. DOOR HARDWARE

PARTS REQUIRED:



BEGIN

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

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

Keep drilled hole square to trim
to avoid breaking edge of door stiffener.

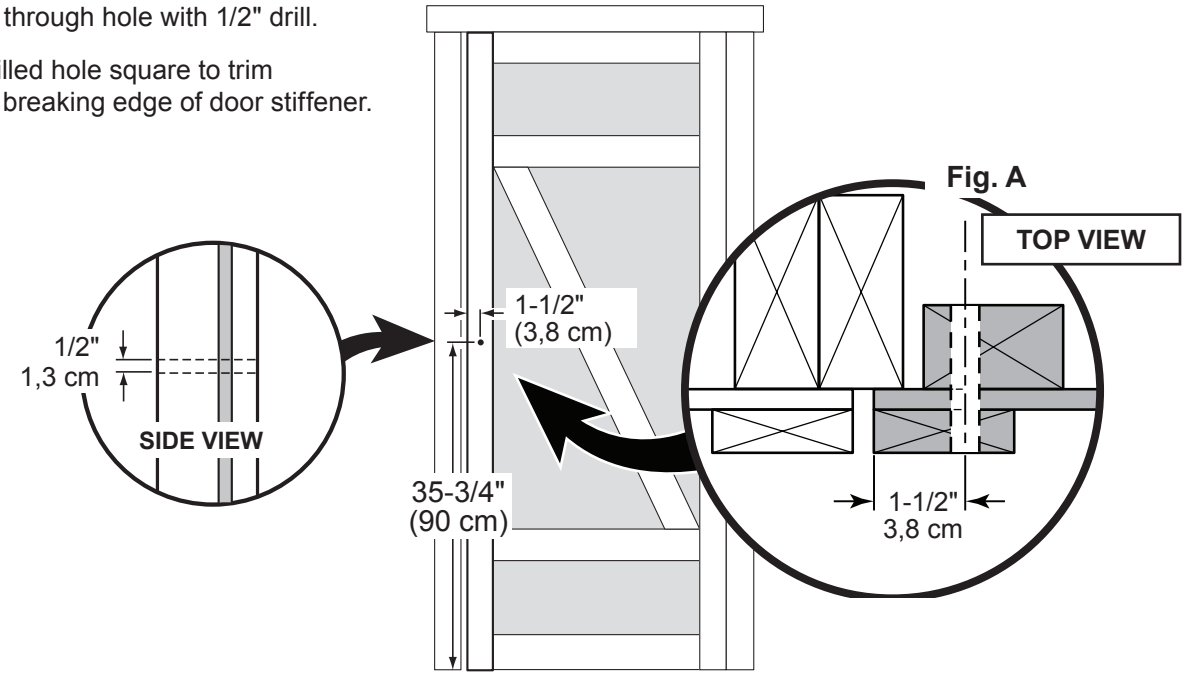


Fig. A

2 Insert shaft in hole and secure handle with 1-1/2" screws **(Fig. B)**.
Install extender over shaft. Attach inside handle and secure extender and handle with set screws, as shown.

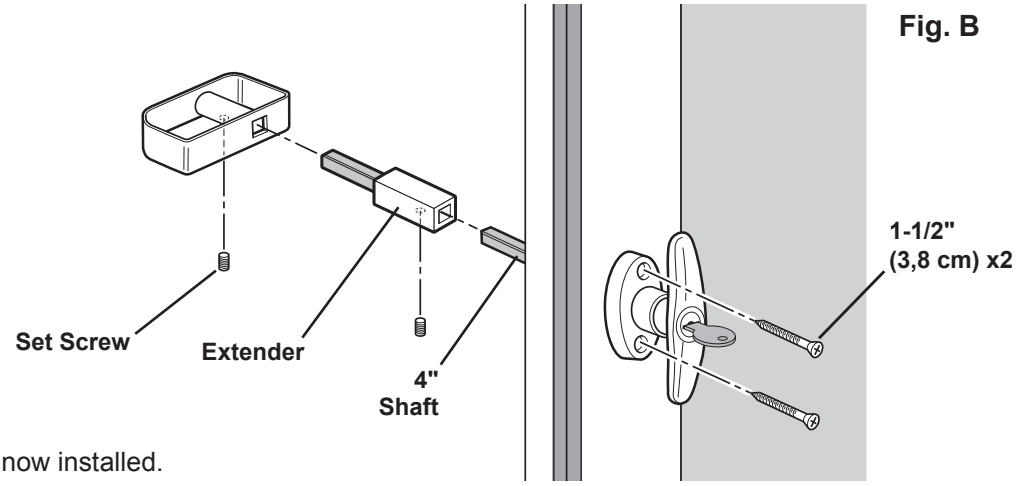


Fig. B

FINISH

Your door handle is now installed.

Go to NEXT PAGE

CORNER TRIM

PARTS REQUIRED:

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

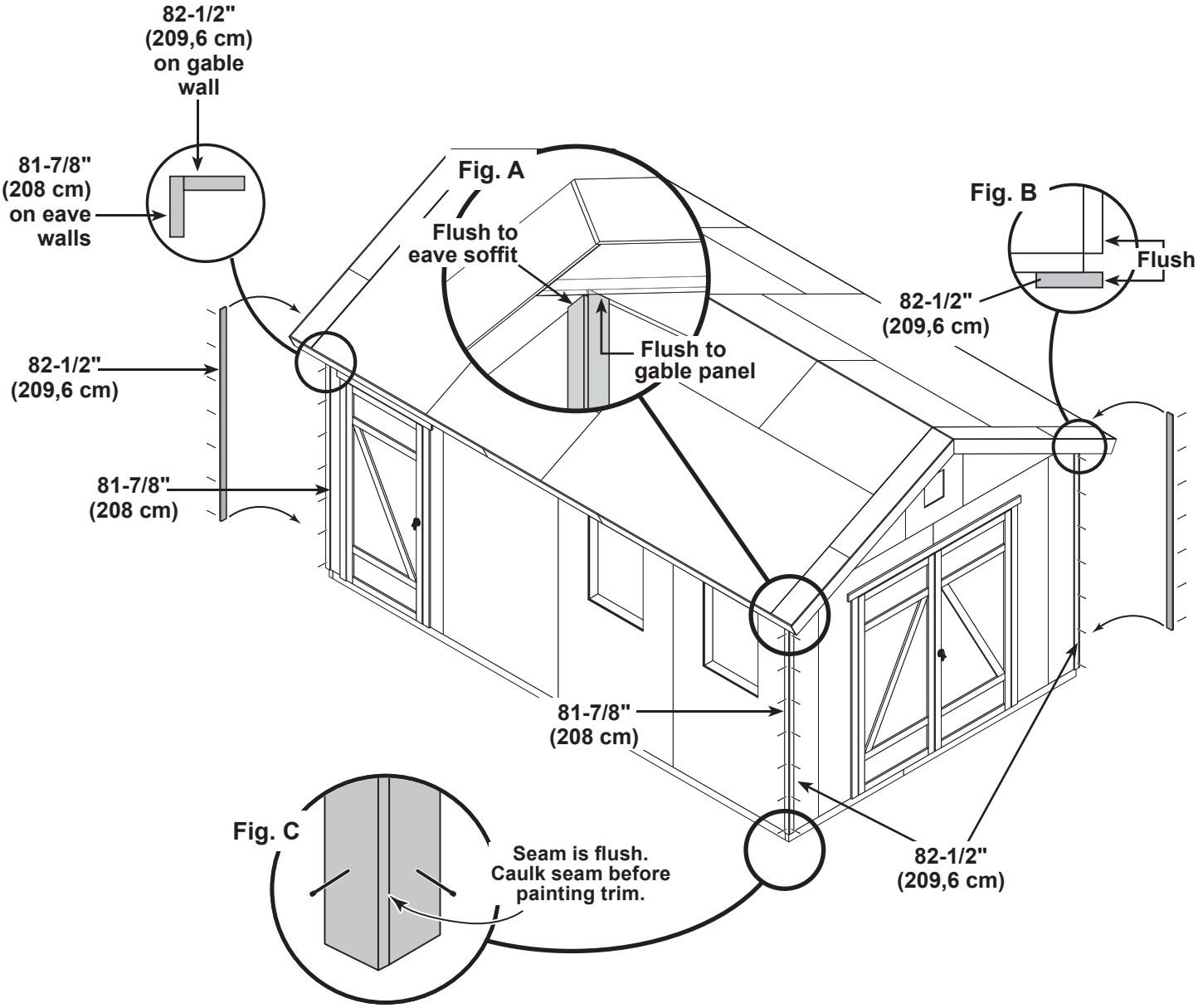
x4 3/8 x 1-3/4 x 81-7/8" (1 x 4,4 x 208 cm)

x56 2" (5,1 cm)

BEGIN

1 Install gable end **82-1/2"** corner trim under gable panel, **(Fig. A)** and flush to eave wall panel **(Fig. B)**. Secure with 2" finishing nails spaced evenly.

2 Install eave side **81-7/8"** corner trim flush to eave soffit and flush along seam of installed corner trim **(Fig. C)**. Secure with 2" finishing nails spaced evenly.



Repeat steps to install trim to all four corners.

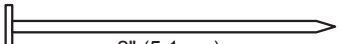
FINISH

Your corner trim is now installed.

COLLAR TIE INSTALLATION

PARTS REQUIRED:

x3 **HJ**
1 x 3 x 72" (5,1 x 10,3 x 183 cm)

x18

2" (5,1 cm)

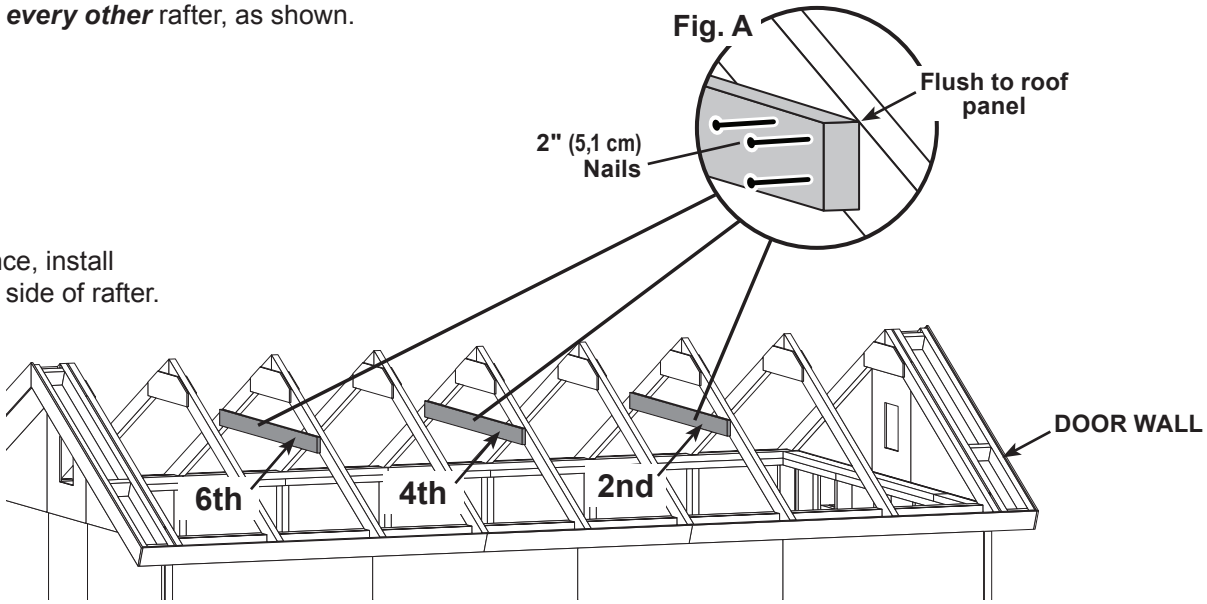
BEGIN

1 Install collar tie to the rafter with (3) 3" nails at each end **(Fig. A)**.

Starting at the wall with the door,
install first collar tie on the 2nd rafter from the door wall
and then on ***every other*** rafter, as shown.

HINT:
For best appearance, install
collar ties on back side of rafter.

Fig. A

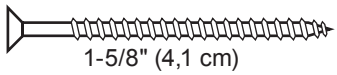


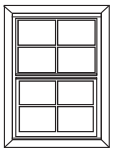
FINISH

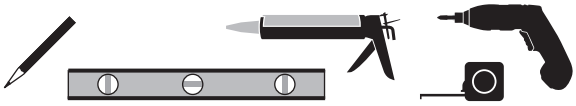
Your collar ties are now installed.

WINDOWS AND WINDOW TRIM

PARTS REQUIRED:

x8 
1-5/8" (4,1 cm)

x2 
Window



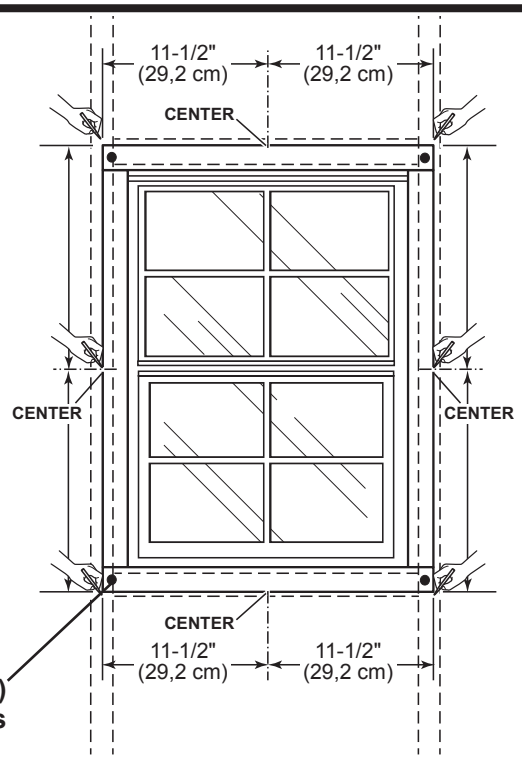
BEGIN

1. Mark center of window frame as shown.
   Measure over 11-1/2" and mark.
   Repeat step for other window.

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

3. Secure window with (4) 1-5/8" screws, as shown.
   Ensure window is level.

Repeat steps to install the second window.



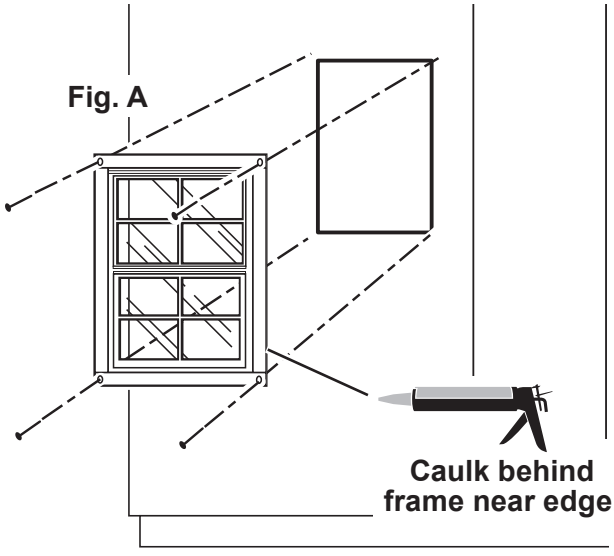


Fig. A

WINDOW TRIM

PARTS REQUIRED:

x4 **ROR**
19/32 x 2-1/2 x 28-1/2" (1,5 x 6,3 x 72,4 cm)

x4 **AZ**
19/32 x 2-1/2 x 30" (1,5 x 6,3 x 76,2 cm)

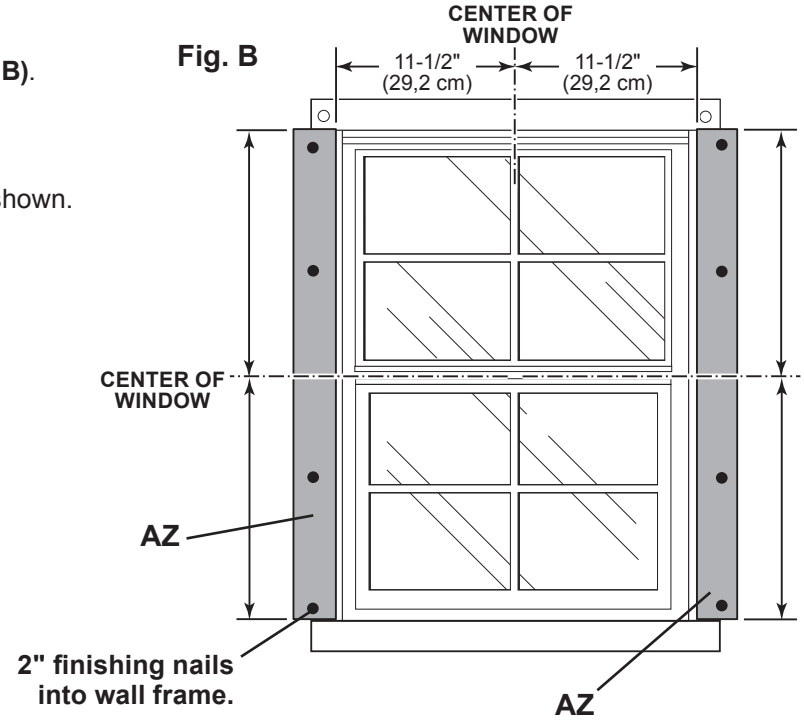
x32
2" (5 cm)

5 Place the inside edge of **AZ** 11-1/2" apart from the center of window, as shown **(Fig. B)**.

Center trim vertically on window.

Secure with 2" finishing nails at locations shown. Nail into window frame and studs behind.

Fig. B

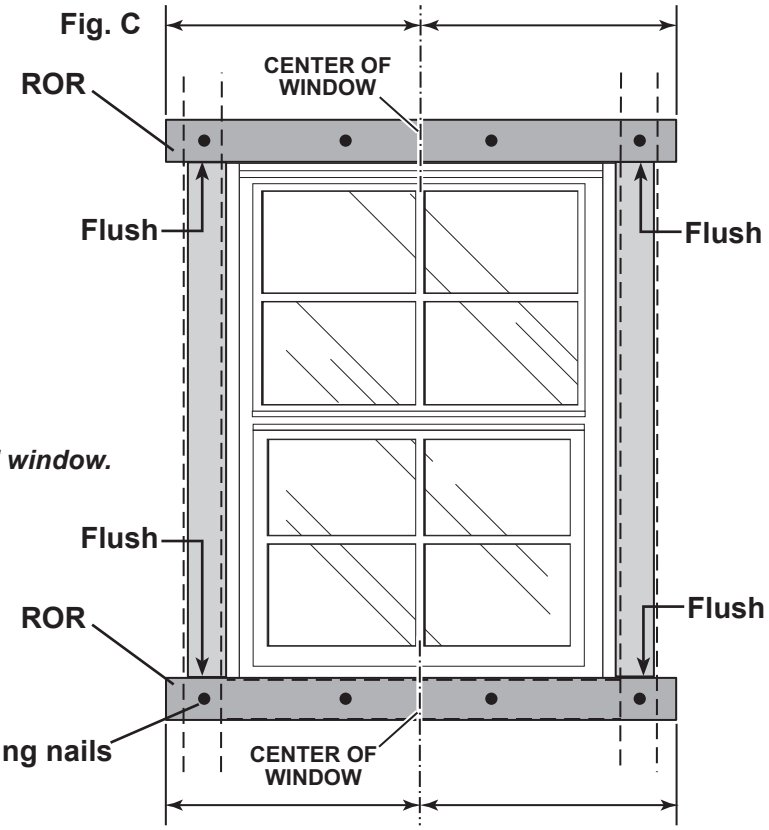


6 Place **ROR** flush to **AZ (Fig. C)** and center trim horizontally on window.

Secure with 2" finishing nails.
Nail into window frame and studs behind.

Repeat to install other **ROR**.

Fig. C



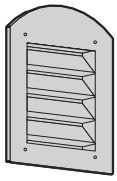
Repeat steps 5 - 6 to install trim for the second window.

FINISH

Your windows and window trim are now installed.

GABLE VENTS

PARTS REQUIRED:



x2 #15021

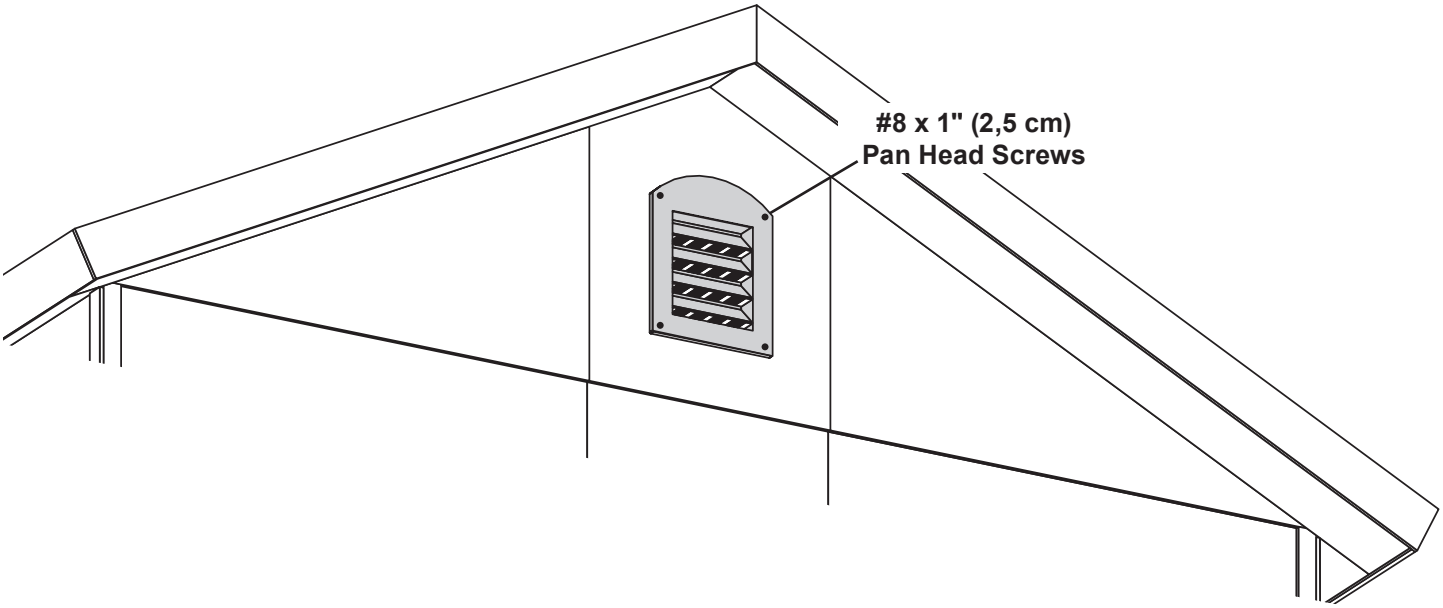
x8 
#8 x 1" (2,5 cm)
Pan Head Screws

BEGIN

1 Locate vent in the gable wall, as shown.

Secure with (4) 1" screws.

Repeat steps to install on the opposite gable wall.



FINISH

Your gable vents are now installed.

PAINT & CAULK
- NOT INCLUDED -

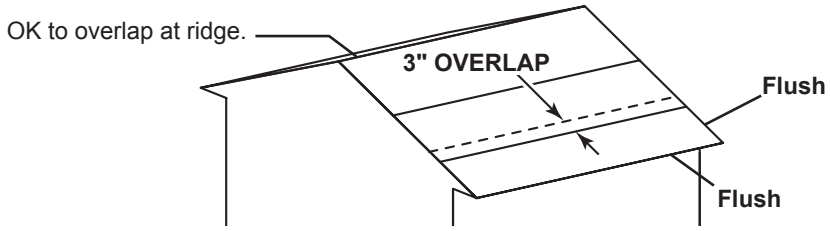
• Use acrylic latex caulk that is paintable. Caulk at all horizontal and vertical seams, between the trim and walls, and all around the door trim.

• 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

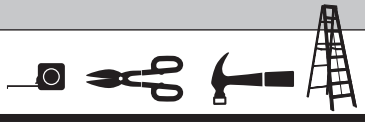
Note:
Prime all un-primed exterior wood before painting.
(Follow directions provided by manufacturer.)

ROOF FELT
- NOT INCLUDED -

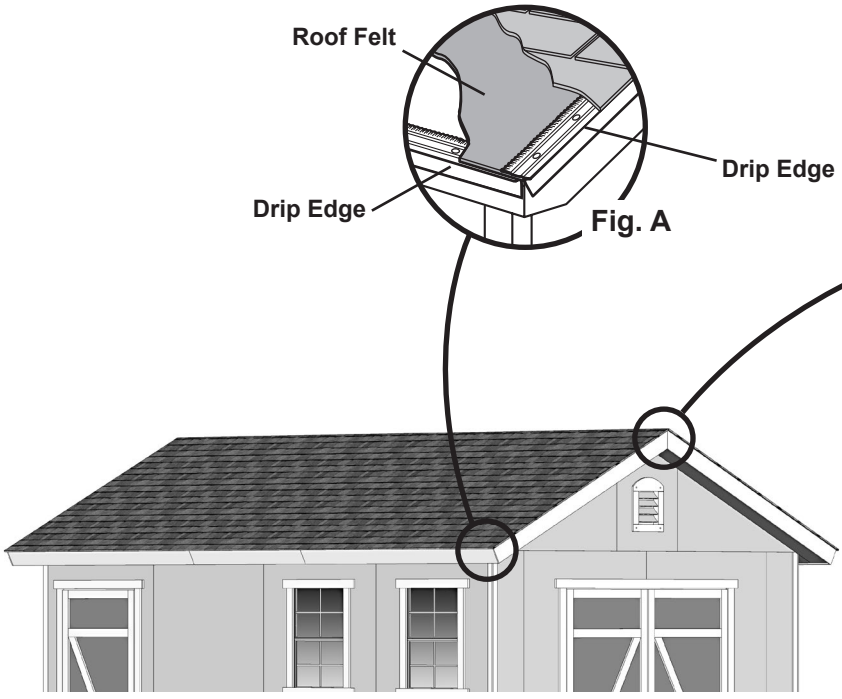
• Install felt flush to all roof edges overlapping 3". Use minimal amount of roofing nails to hold in place.

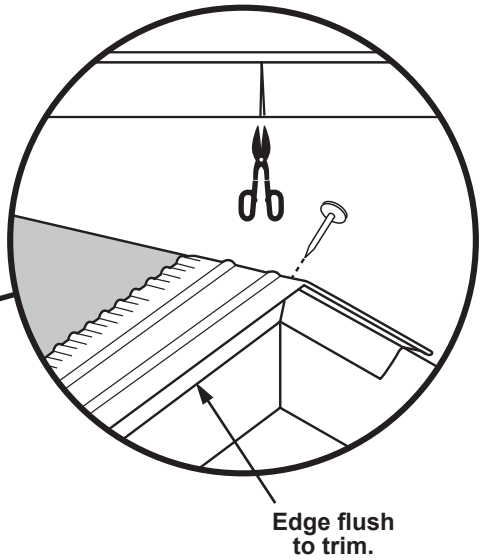


DRIP EDGE
- NOT INCLUDED -



• 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.



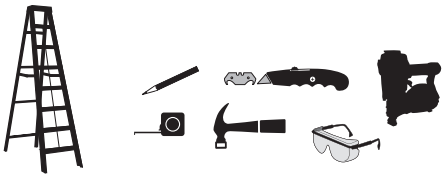


Snip bottom side of drip edge and bend over to other side of roof.

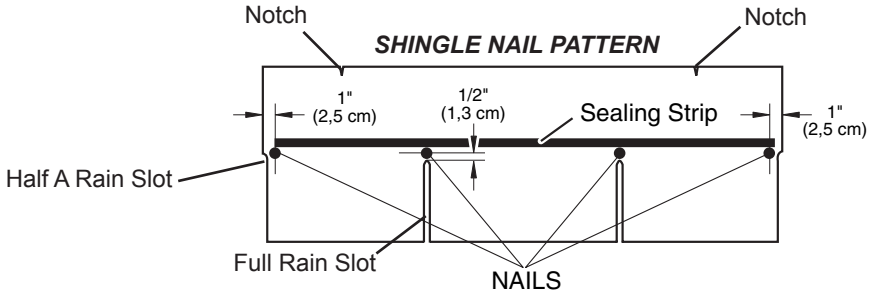
(Follow directions provided by manufacturer.)

SHINGLES
- NOT INCLUDED -

• Follow directions provided by manufacturer and these instructions.



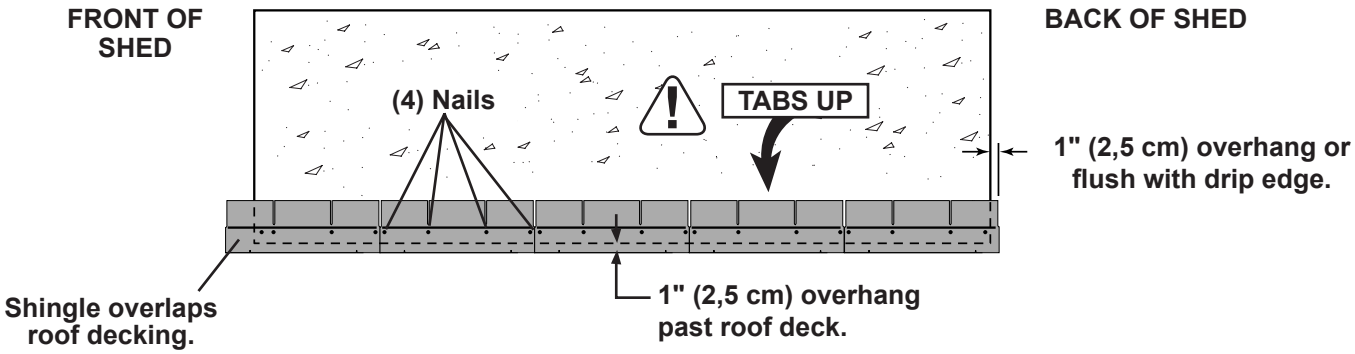
⚠ Familiarize yourself with a 3-Tab Shingle.



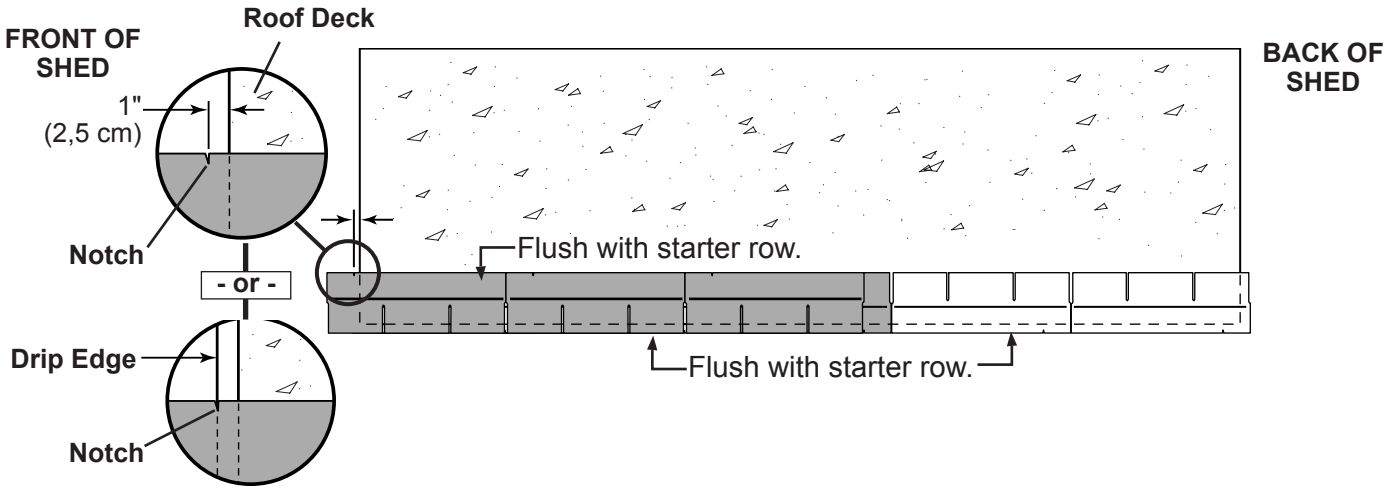
⚠ NEVER DRIVE FASTENERS INTO OR ABOVE SEALING STRIPS.

✓BEGIN

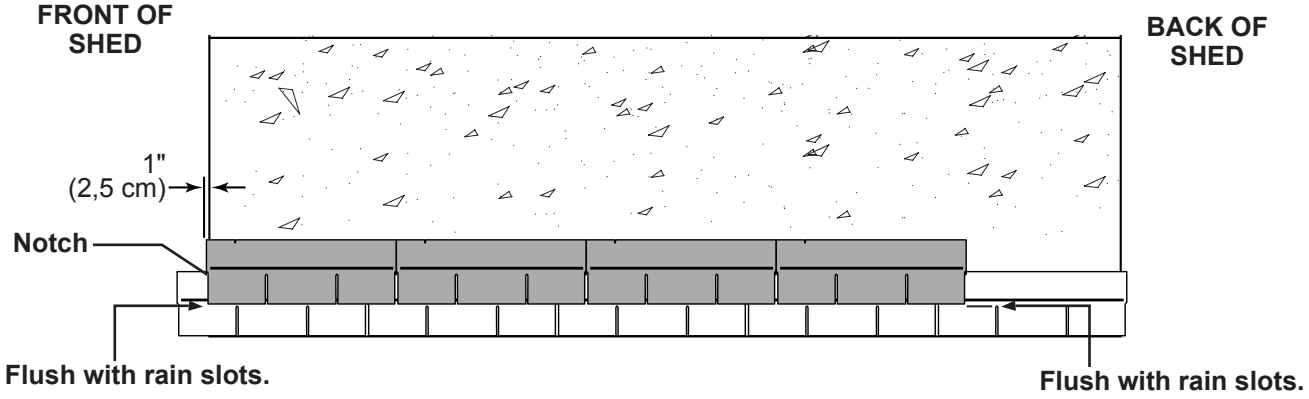
1 Install first starter row upside down and color up with a 1" overhang at back and bottom of roof panel. Use (4) nails per shingle.
Starter row must be straight and level all the way across with lower edge of roof deck.
NOTE: If you have installed drip edge install shingles flush to drip edge.



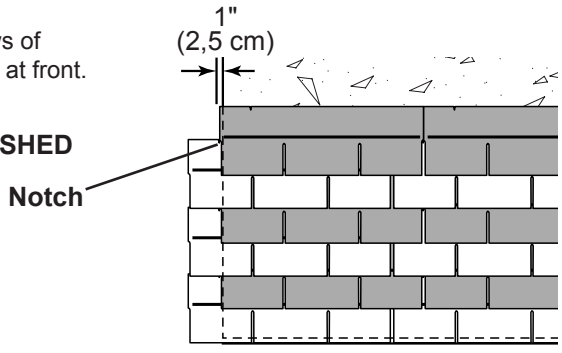
2 Beginning at front of shed, install first row of shingles with notch at 1" past roof edge or flush with drip edge.



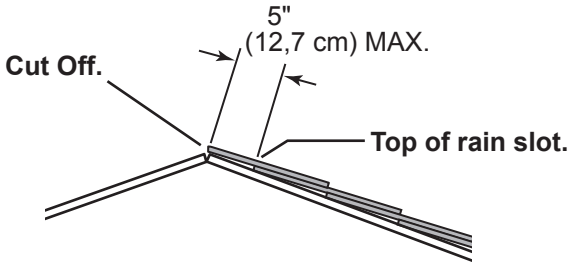
3 Install second row of shingles flush at top of first row's rain slots. Ensure 1" overhang or flush to drip edge at front, stagger each row.

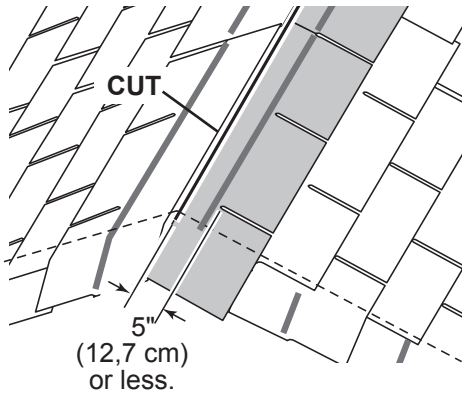


4 Continue installing rows of shingles by staggering at front.



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.



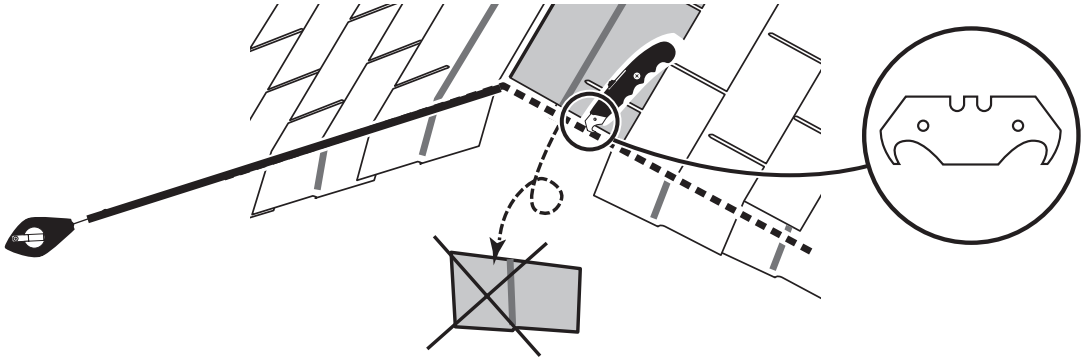


⚠ **• If more than 5" to rain slot you must install another row of shingles.**

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.

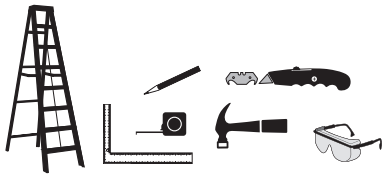


FINISH

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

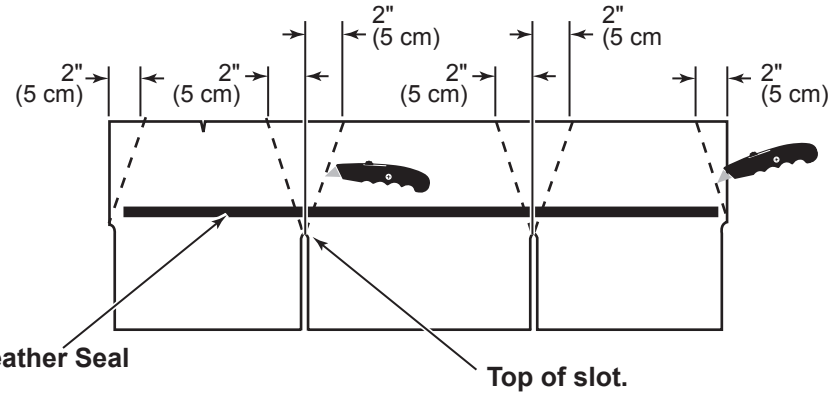
SHINGLES - RIDGE CAP

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



BEGIN

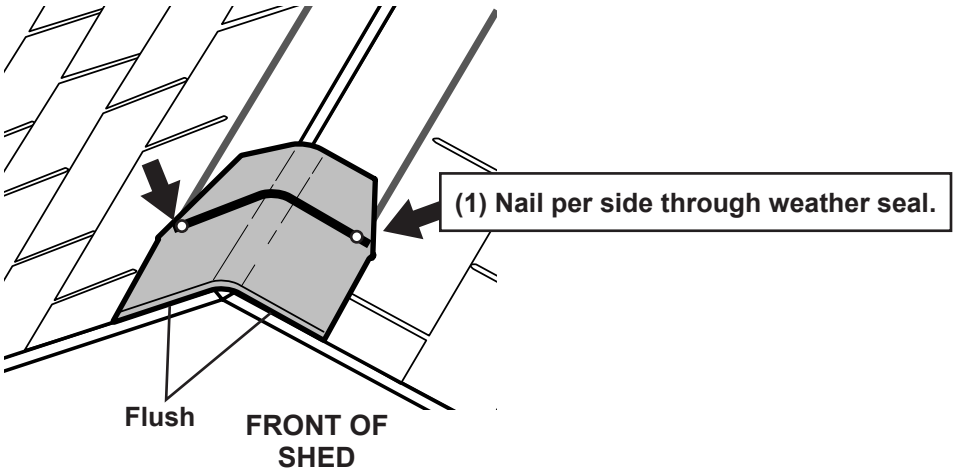
1 Cut shingles into THREE pieces. **Hint:** Use cut-off pieces first.



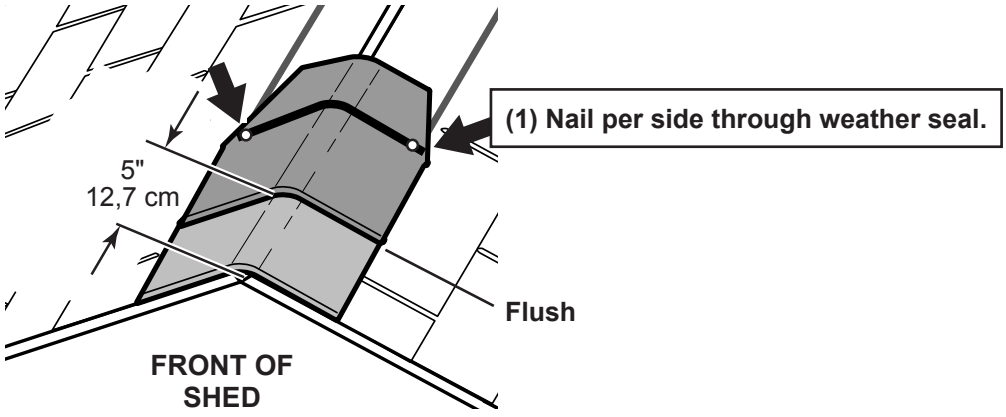
Score shingle, then snap-off angled cut.

Note: • You will need about 42 - 44 cut pieces.

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

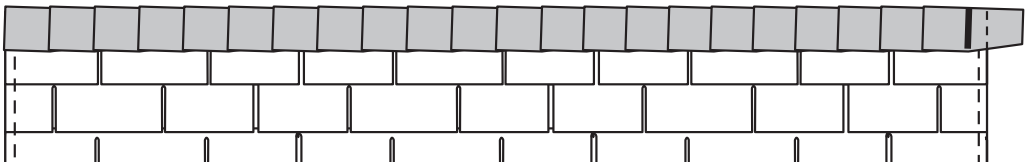


3 Install second ridge cap 5" back, as shown.

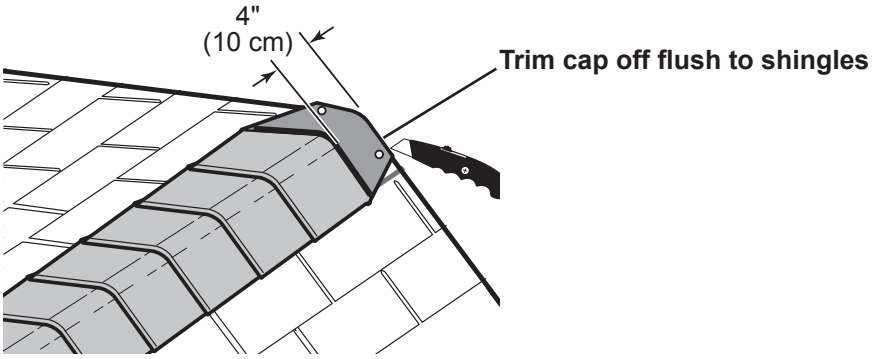


SHINGLES - RIDGE CAP
continued...

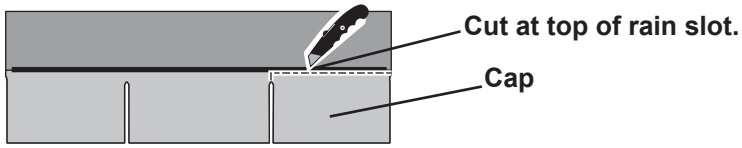
4 Continue installing ridge cap to back of roof.



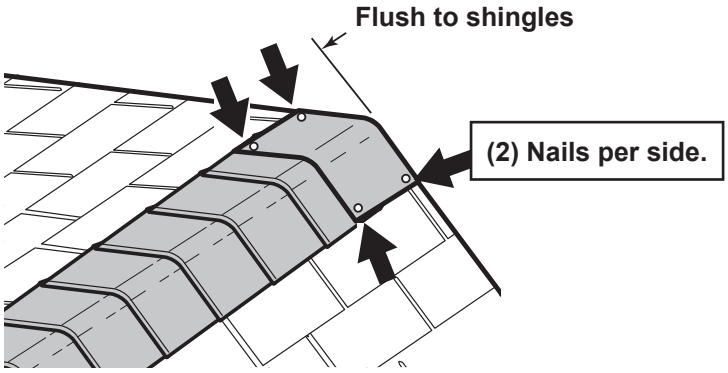
5 Make sure there is 4" between the shingle-color and edge of shingles.



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



7 Install flush to shingles.



FINISH

You have finished your ridge cap.

16858-A 10' x 16' Order Form

CATEGORY	PART DESCRIPTION	PART SIZE	PART ITEM #	BUILDING QTY.	PART ID
2 X 4	Overhang Blocking & Gable Framing	2 X 4 X 4-7/8" OVERHANG BLOCK	O 04140000000	12	CLA
	Rake Framing	2 X 4 X 75-1/4" 26.5* O/E	O 75042605000	8	ECA
	Rafters	2 X 4 X 75-1/4" 26.5* O/E	O 7504260500N	18	ECN
	Wall Studs	2 X 4 X 78 1/2"	O 78080000000	33	AI
	Side Wall Doubler "A"	2 X 4 X 92 1/2"	O 92080000000	2	TJ
	Back Wal Top & Btm Plate "B" / SW Doubler "B"	2 X 4 X 44 1/2" PLATE	O 44080000000	4	STL
	Door Studs / BW Top & Btm Plate "A"	2 X 4 X 68-1/2"	O 68080000000	6	YFA
	Front / Back Wall Doubler "B"	2 X 4 X 24" DOUBLER / PLATE	O 24000000000	2	RL
	Over Door / Over Window Crippler	2 X 4 X 6 1/2" OVER DOOR	O 06080000000	10	UY
	Sidewall Btm Plate "A" / Front & Back Doubler "A"	LUM SPF 2X4X96 #2&BTR	12306	4	TP
	Sidewall Btm Plate "B"	2X4X48" DOUBLER/ PLATE/ CRATE	O 48000000000	8	SP
	Side Wall Top Plate	*LUM SPF 2X4X72 #2&BTR	O 72000000000	4	TM
	Door Header	2 X 4 X 67"	O 67000000000	2	AM
	Single Door Header	2 X 4 X 35" PLATE	O 35000000000	2	QT
	Front Wall Bottom Plate	2 X 4 X 24-1/2"	O 24080000000	2	KHA
	Front Wall Top Plate "A"	2 X 4 X 80-1/2" STUD	O 80080000000	1	CGA
	Front Wall Top Plate "B"	2 X 4 X 32 1/2" PLATE	O 32080000000	1	QS
	Window Framing	2 X 4 X 22 1/2"	O 22080000000	4	AO
	Gable Connector	2 X 4 X 23-1/4" @ 26.5* GABLE	O 23042605000	4	UV
1 X 3 PINE	Gauge Block	1 X 3 X 5" PINE FILLER	U 05000000000	1	GAA
	Collar Tie	LUM SPF 1X3 X72" SQ EDGE PET	U 72000000000	3	HJ
1 X 4 PINE	Single Door Weatherstrip	1 X 4 X 69-3/4"	T 69120308000	2	LRA
7/16 OSB	Roof Panel "A"	OSB 7/16" x 4' x 8'	11110	2	---
	Roof Panel "B"	* 7/16" X 27-1/4" X 48" OSB PANEL	C 4800270400S	8	---
	Roof Panel "C"	7/16" OSB 47 7/8" X 48" ROOF	C 48004714000	4	---
	Gable Roof Panel "A"	7/16" X 8-1/2" X 48" ROOF PANEL	C 48000808000	4	---
	Gable Roof Panel "B"	5/8" X 8-1/2" X 27-1/4" ROOF PANEL	C 27040808000	4	---
	Door Header Filler	7/16" OSB 3 1/4" X 66 3/4" HEADER	C 66120304000	1	---
	Single Door Header Filler	7/16" OSB 3 3/16" X 34 3/4"	C 34120303000	1	---
GUSSETS	Gusset	EZ 8" 6" X 24" GUSSET 28*-	J 24000600280	16	---
NO GROOVE SIDING	Wall panel at Door -RIGHT	3/8"NG RT PANEL@DOOR (33460)	K 84004800610	1	---
	Wall panel at Door -LEFT	3/8"NG LT PANEL@DOOR (33460	K 84004800620	1	---
	Front Sidewall Panel	NG 11-7/8" X 84" WALL PANEL	K 84001114000	2	---
	Backwall & Sidewall Panel	SIDING NGSE 3/8X4'X7'	11507	7	---
	Side Wall Panel "B'	NG 23 7/8" X 84" WALL PANEL	K 84002314000	1	---
	Wall Panel w/ Window Cutout	3/8"NG EAVE WALL PANEL W/ WINDOW (33444)	K 840048000WW	2	---
	Wall Panel w/ Door Cutout	3/8"NG PANEL W/ DOOR	K 8400480000U	1	---
	Center Gable Panel w/ Hole	3/8" NG 23-7/8" X 33-3/4" CENTER	K 3312231400V	2	---
	Gable Panels - RIGHT	*3/8" NG x 27-3/4" x 48" RT GABLE	K 48002712100	2	---
	Gable Panels - LEFT	*3/8" NG x 27-3/4" x 48" LT GABLE	K 48002712200	2	---
	Gable Soffit	3/8" NG 7-7/8" X 73-5/16"	K 73050714000	4	---
	Eave Soffit	3/8" NGx5-7/8" X 73"	K 73000514000	4	---
	Eave Fascia	3/8" NGx4-3/4" X 80-7/8"	K 80140412000	4	---
	Eave Soffit	3/8" NG 5-7/8" X 48" SOFFIT	K 48000514004	2	---
	Eave Fascia	3/8" NG 4-3/4" X 48" FASCIA	K 48000412004	2	---
	Gable Trim-RIGHT	3/8" NG 4-3/4" X 75-7/8" 26.5	K 75140412100	2	---
	Gable Trim-LEFT	3/8" NG 4-3/4" X 75-7/8" 26.5	K 75140412200	2	---
	Rafter Spacer	3/8" NG X 3-1/4" X 5-7/8"	K 05140304000	4	---
	Corner Trim Eave Side	3/8"NGx1-3/4"x 81-7/8" TRIM	K 81140112000	4	---
	Corner Trim Gable Side	3/8"NGx1-3/4"x 82-1/2" TRIM	K 82080112000	4	---
19/32 X 3 SMART TRIM	Horizontal Door Rails	19/32 TST 2 1/2" X 26 5/8"	UT26100208000	6	AH
	Door Trim Hinge/Over Door	19/32 TST 2 1/2" X 72" TRIM	UT72000208000	2	ZJ
	Crossbuck - Left	19/32 TST 2 1/2" X 50-1/8" 28* LFT	UT50020208282	1	HYL
	Crossbuck - Right	19/32 TST 2 1/2" X 50-1/8" 28* RGT	UT50020208281	2	HYR
	Over Door Trim - Single Door	19/32 TST 2 1/2" X 39 3/8"TRIM	UT39060208000	1	GEA
	Vertical Door Trim	19/32 TST 2 1/2" X 44-1/8"	UT44020208000	3	DKA
	Horizontal Window Trim	19/32 TST 2 1/2" X 30 1/8"	UT30020208000	4	AZ
	Vertical Window Trim	19/32 TST 2 1/2" X 28 1/2"	UT28080208000	4	ROR
PURCHASED COMPONENTS	Door Stiffener	LSL 1-1/4 X 2-1/4 X 69 PET	12715	3	OO
	Vents- Exterior White	VENT 8X10, APL# CV12X18W-PE, A	15021	2	---
	Threshold - Double Door	THRESHOLD 7/8" X 1-1/2" X 63-7/8	15420	1	---
	Black "T" &"D" Handle w/ Pawl	HANDLE - T 4" SHAFT & "D"	15375	2	---
	Handle Extender	D-HANDLE EXTENDER KIT 5/16" X 1-5/8" SHAFT w/ SET SCREW	15767	1	---
	Threshold - Single Door	THRESHOLD 7/8" X 1-1/2" X 31-5/8	15428	1	---
	Large Square Window	WINDOW 22 1/4" X 29 3/4" LG SQ	15281	2	---
	Hardware Kit	H/K (33707) 10x16 Bellingham	15734	1	---
	Hardware Kit	H/K (33152) 10x12 - 3 Doors	15623	1	---
PACKAGING	Instructions		16858-A	1	---
	30181-L				
Right Door Assembly	Door Panel	3/8" NG 31 3/8"" X 71 1/2""	K 7108310600M	1	---
	Right Hinge Assembly	HINGE RIGHT (RED) 19/32x3 THIN TRIM	30121-TT	1	---
	Vertical Door Stiles	19/32 TST 2 1/2" X 71 5/8"	UT71100208000	2	GY
	Horizontal Door Rails	19/32 TST 2 1/2" X 26 5/8"	UT26100208000	2	AH
	30181-R				
Left Door Assembly	Door Panel	3/8" NG 31 3/8"" X 71 1/2""	K 7108310600M	1	---
	Left Hinge Assembly	HINGE LEFT (GREEN) 19/32x3 THIN TRIM	30131-TT	1	---
	Vertical Door Stiles	19/32 TST 2 1/2" X 71 5/8"	UT71100208000	2	GY
	Horizontal Door Rails	19/32 TST 2 1/2" X 26 5/8"	UT26100208000	2	AH
	30128-U				
Universal Door Assembly	Door Panel	3/8" NG 31 3/8"" X 71 1/2""	K 7108310600U	1	---
	Left Hinge Assembly	HINGE (BLACK) - UNIVERSAL	30130-U	1	---
	Vertical Door Stiles	19/32 TST 2 1/2" X 71 5/8"	UT71100208000	2	GY
	Horizontal Door Rails	19/32 TST 2 1/2" X 26 5/8"	UT26100208000	2	AH

LIMITED CONDITIONAL WARRANTY*

Backyard Storage Solutions, LLC warrants the following:

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

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

CONDITIONS

The warranty is effective only when:

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

REQUIREMENTS

Storage Buildings

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

Gazebos & Pergolas

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

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

CLAIM PROCEDURE

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

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

All other inquiries can be mailed to:

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

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

IMPORTANT: This is your warranty certificate.

10Y MV LDR: 3/20/2019