16666

STOP

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If you discover missing or damaged parts,
or if you have questions about the building process,
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help.backyardproducts.com

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

Business Hours

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

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No selling,
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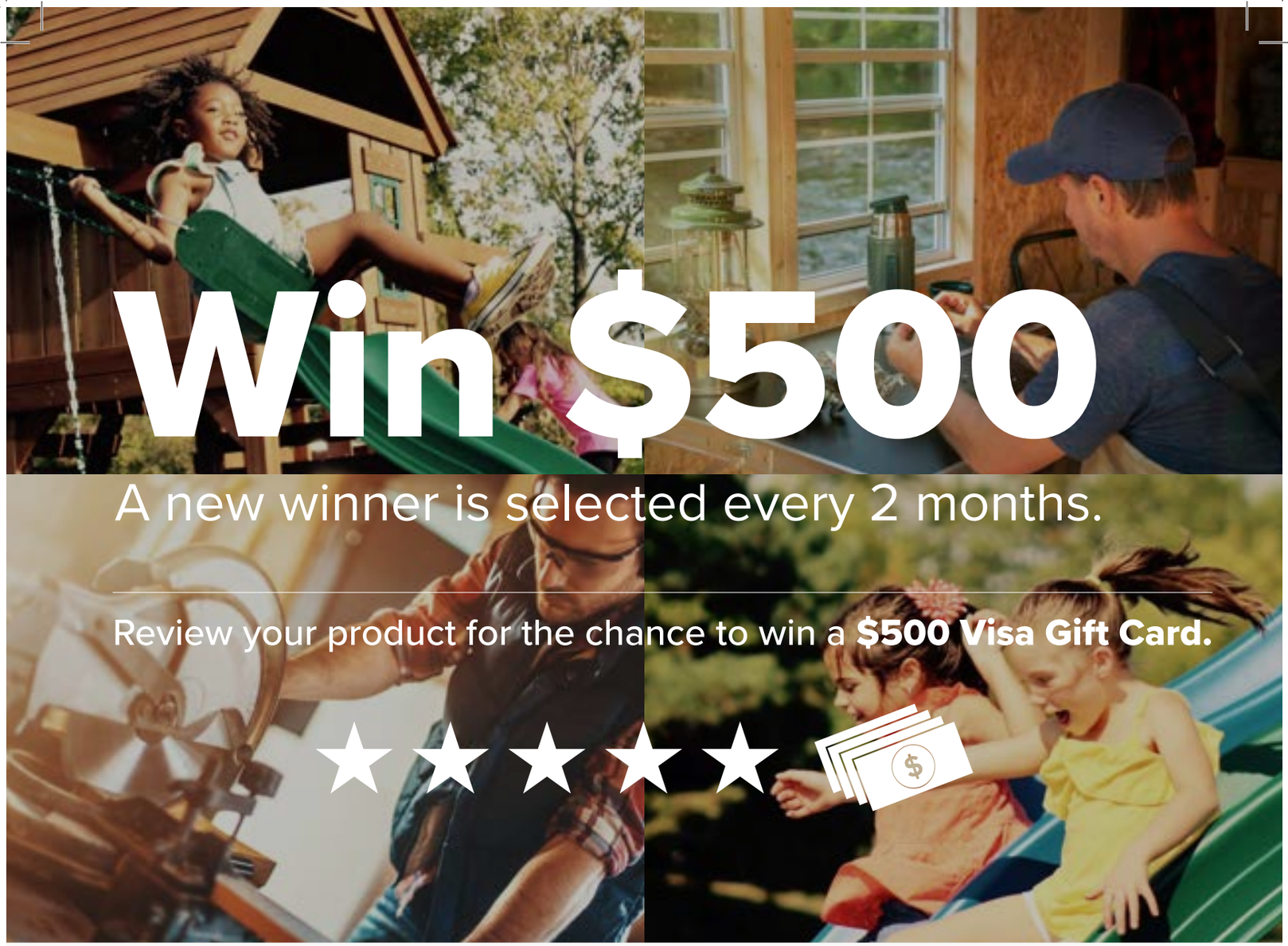

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Tell us what you think.

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Backyard Products, LLC
1000 Ternes Drive
Monroe, MI 48162

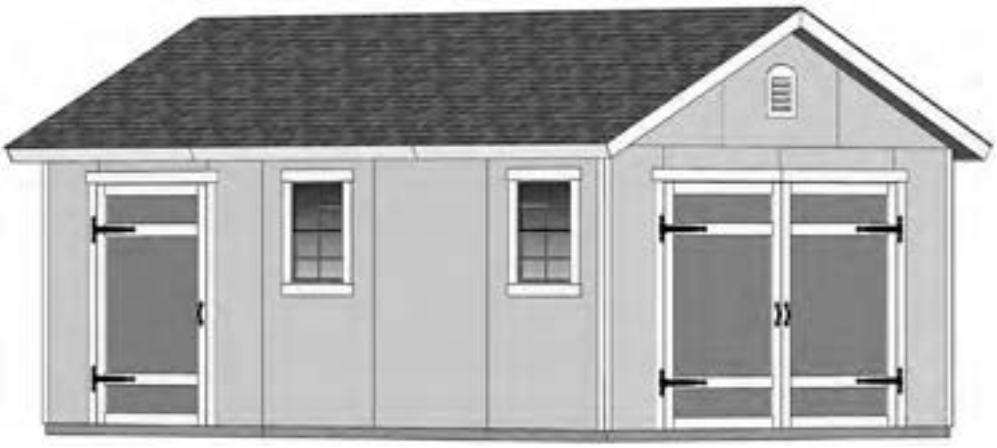
16666	12/11/2024

ASSEMBLY MANUAL

GABLE 12' x 20' (365,8 x 609,6 cm)

ACTUAL FLOOR SIZE: 144" x 240" (365,8 cm x 609,6 cm)

KEEP THIS MANUAL FOR FUTURE REFERENCE



Optional Door Locations

⚠ *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 4-7.

• ADDITIONAL MATERIALS

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

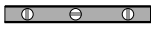
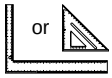
******CONTACT OUR CUSTOMER SERVICE TEAM IF ANY PARTS ARE MISSING OR DAMAGED******

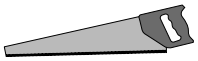
- Order form and warranty at back of manual -

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

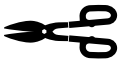
TOOLS

Required

- ❑ Phillips Screwdriver 
- ❑ Drill / Driver 
  - ❑ 1/8" Drill Bit
  - ❑ 1/4" Drill Bit
  - ❑ 5/16" Drill Bit
  - ❑ 1/2" Drill Bit
  - ❑ #2 Phillips Drive Bit
- ❑ Hammer 
- ❑ Level 
- ❑ Pencil 
- ❑ Tape Measure 
- ❑ Square  or

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

Optional

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

Safety! Always use approved safety glasses during assembly.

HELPFUL REMINDER SYMBOLS

Look for these symbols for helpful reminders throughout this manual.

 = Assistance Required; two or more people.

 = Ensure squareness.

 = Important required step or operation.

 = Helpful assembly hint.

 = Mark part with pencil.

 = Beginning of steps for assembly or installation.

 = You have finished the assembly or installation.

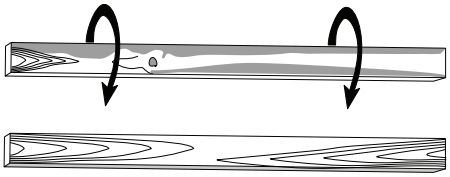
 = Level

ORIENT LUMBER AND TRIM FOR BEST APPEARANCE

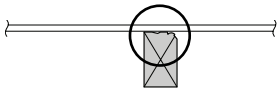
Framing lumber is graded for structural strength and not appearance. Exterior trim is graded for one good side.

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

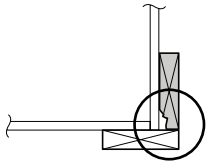
A



B



C



ADDITIONAL MATERIALS

FOUNDATION OR FLOOR MATERIALS

- This kit does not come with any floor materials.
- If you choose to install your kit on a concrete slab, refer to page 9.
- If you choose to build your own floor, see page 10.

COMPLETING YOUR SHED

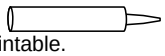
You will need these additional materials:

☐ **3-TAB SHINGLES (Bundles)..... 13**

☐ **PAINT FOR SIDING (Gallons)..... 4**
Use 100% acrylic latex exterior paint.
(2) coats recommended.

☐ **1" GALVANIZED ROOFING NAILS (lbs)... 8**
For shingles.

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

☐ **CAULK ..... 6 Tubes**

Use acrylic latex exterior caulk that is paintable.

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

OPTIONAL MATERIALS

☐ **DRIP EDGE (Feet)..... 70**

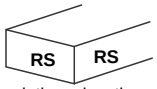
☐ **#15 ROOFING FELT (Sq ft. to cover)..... 368**

☐ **1" GALVANIZED ROOFING NAILS (lbs).... ¼**
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 (BOX A)

Part identification letters are stamped on some parts.



Check these locations for part stamp.

Treated lumber is stamped:

TREATED

WOOD SIZE CONVERSION CHART

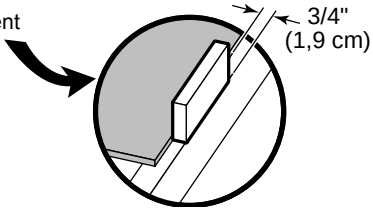
Nominal Board Size	Actual Size
2 x 4	1-1/2" x 3-1/2" (3,8 x 8,9 cm)
1 x 4	3/4" x 3-1/2" (1,9 x 8,9 cm)
2 x 3	1-1/2" x 2-1/2" (3,8 x 6,3 cm)
1 x 3	3/4" x 2-1/2" (3,8 x 6,3 cm)

PARTS LIST

☑ **INVENTORY YOUR PARTS before you begin.**
We suggest sorting parts by the category they are listed in.

WALL FRAMING

- ☐ **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



- ☐ **x12** UY 2 x 4 x 6-1/2" (5,1 x 10,2 x 16,5 cm)
- ☐ **x2** CHC 2 x 4 x 16-1/8" (5,1 x 10,2 x 41 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)
- ☐ **x6** STL 2 x 4 x 44-1/2" (5,1 x 10,2 x 113 cm)
- ☐ **x4** SP 2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)
- ☐ **x3** 7/16" x 3-1/4" x 50" (1,1 x 8,3 x 127 cm) *OSB*
- ☐ **x2** EGC 2 x 4 x 51-3/4" (5,1 x 10,2 x 131,4 cm)
- ☐ **x4** 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 182,9 cm)
- ☐ **x26** AI 2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)
- ☐ **x2** TO 2 x 4 x 84" (5,1 x 10,2 x 213,4 cm)
- ☐ **x6** TJ 2 x 4 x 92-1/2" (5,1 x 10,2 x 23,5 cm)
- ☐ **x4** TP 2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

TRIM

- ☐ **x8** BF 19/32 x 3-1/2 x 30-1/8" (1,5 x 8,9 x 76,5 cm)
- ☐ **x4** 3/8 x 5-7/8 x 73" (1 x 14,9 x 185,4 cm)
- ☐ **x4** 3/8 x 7-7/8 x 86-3/4" (1 x 20 x 220,3 cm)
- ☐ **x4** 3/8 x 4-3/4 x 80-7/8" (1 x 12,1 x 205,4 cm)
- ☐ **x2** 3/8 x 4-3/4 x 89-1/4" (1 x 12,1 x 226,7 cm)
- ☐ **x2** 3/8 x 4-3/4 x 89-1/4" (1 x 12,1 x 226,7 cm)
- ☐ **x4** 3/8 x 2-1/2 x 82-1/2" (1 x 6,3 x 209,6 cm)
- ☐ **x4** 3/8 x 2-1/2 x 81-7/8" (1 x 6.3 x 208 cm)

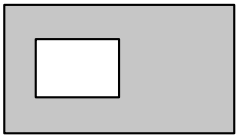
PARTS LIST (BOX A)

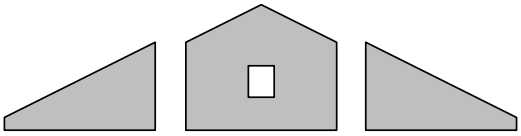
WALL & GABLE PANELS

☐ **x3**  11-1/4 x 48" (28,6 x 121,9 cm)

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

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

☐ **x2** 

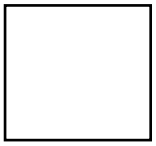


☐ **x2** ☐ **x2** ☐ **x2**

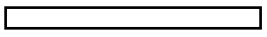
☐ **x5**  48 x 84" (121,9 x 213,4 cm)

ROOF PANELS

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

☐ **x2**  7/16 x 47-7/8 x 48" (1,1 x 121,6 x 121,9 cm)

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

☐ **x4**  7/16 x 8-1/2 x 88-5/8" (1,1 x 21,9 x 225,1 cm)

☐ **x2**  7/16 x 40-5/8 x 48" (1,1 x 103,2 x 121,9 cm)

☐ **x2**  7/16 x 40-5/8 x 96" (1,1 x 103,2 x 243,8 cm)

DOORS

☐ **x6** **DHC** 2 x 4 x 39-1/4" (5,1 x 10,2 x 99,7 cm)

☐ **x6** **ZPT** 4/4 x 4" x 41" (2,5 x 10,2 x 104,1 cm)

☐ **x2** **LQA** 4/4 x 3-1/2" x 53" (1,5 x 8,9 x 134,6 cm)

☐ **x1** **NFP** 4/4 x 3-1/2" x 57-5/8" (2,5 x 8,9 x 147,0 cm)

☐ **x6** **PJ** 2 x 4 x 69" (5,1 x 10,2 x 175,3 cm)

☐ **x1** 3/8" x 1-5/8" x 69" (1 x 4,1 x 175,3 cm) **Weatherstrip**

☐ **x4** **XSA** 1 x 3 x 69-3/4" (2,5 x 7,6 x 177,2 cm)

☐ **x4** **WP** 4/4 x 4" x 72-3/8" (2,5 x10,2 x 183,8 cm)

☐ **x3**  **ASSEMBLED DOOR**

PARTS LIST (BOX A)

RAFTERS

- ☐ **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)
- ☐ **x12** — 6" x 24" (15,2 x 61 cm) **OSB OR WOOD GRAIN** ⚠
- ☐ **x2** WTA — 1 x 4 x 84" (2,6 x 10,2 x 213,4 cm)
- ☐ **x14** DNB — 2 x 4 x 88-11/16" (5,1 x 10,2 x 225,3 cm)
- ☐ **x8** KFB — 2 x 4 x 88-11/16" (5,1 x 10,2 x 225,3 cm)

FASTENER/HARDWARE BAG

- ☐ **x100** — 1-1/2" (3,8 cm)
- ☐ **x335** — 2" (5,1 cm)
- ☐ **x170** — 3" (7,6 cm)
- ☐ **x8** — 2" (5,0 cm)
- ☐ **x24** — 1-5/8" (4,1 cm)
- ☐ **x32** — 3/4" (1,9 cm)
- ☐ **x94** — 2-1/4" (5,7 cm)
- ☐ **x15** — 1" (2,5 cm)

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.

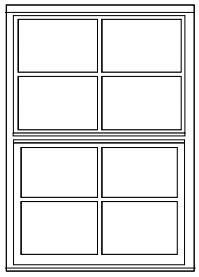
NAIL BOXES (Shown Actual Size)

- ☐ **x8** **Boxes** — 2" (5,1 cm)
- ☐ **x7** **Boxes** — 3" (7,6 cm)

VENT, WINDOW and DOOR HARDWARE

Large Window

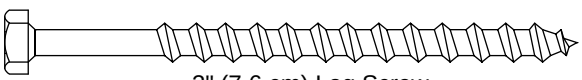
☐ **x2**



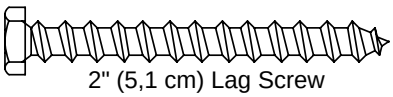
☐ **x3**

☐ **x6**

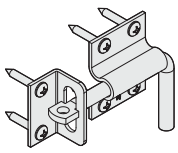
☐ **x18** — 3" (7,6 cm) Lag Screw



☐ **x18** — 2" (5,1 cm) Lag Screw



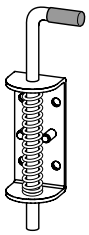
☐ **x2** **Latch and screws**



☐ **x12** — 1-1/2" (3,8 cm)

Spring Bolt

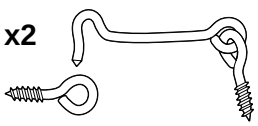
☐ **x2**



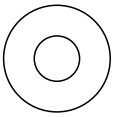
☐ **x8** — 1-1/4 (3,2 cm)

(4 screws in each package)

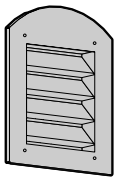
☐ **x2**



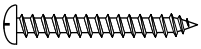
☐ **x36** — 5/16" (0,8 cm) **Washer**



☐ **x2**



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



PARTS LIST (BOX B)

INVENTORY YOUR PARTS before you begin.
We suggest sorting parts by the category they are listed in.

WALL FRAMING

☐ **x8** **AI** 2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)

☐ **x6** **TP** 2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

WALL PANELS

☐ **x4**  3/8 x 48 x 84"
(1 x 121,9 x 213,4 cm)

RAFTERS

☐ **x8**  6" x 24" (15,2 x 61 cm) **OSB OR WOOD GRAIN** ⚠

☐ **x2** **WTA** 1 x 4 x 84" (2,6 x 10,2 x 213,4 cm)

☐ **x8** **DNB** 2 x 4 x 88-11/16" (5,1 x 10,2 x 225,3 cm)

ROOF PANELS

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

☐ **x2** 
7/16 x 40-5/8 x 96"
(1,1 x 103,2 x 243,8 cm)

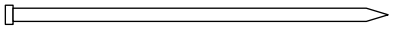
TRIM

☐ **x2** 3/8 x 5-7/8 x 96" (1 x 14,9 x 243,8 cm)

☐ **x2** 3/8 x 4-3/4 x 96" (1 x 12,1 x 243,8 cm)

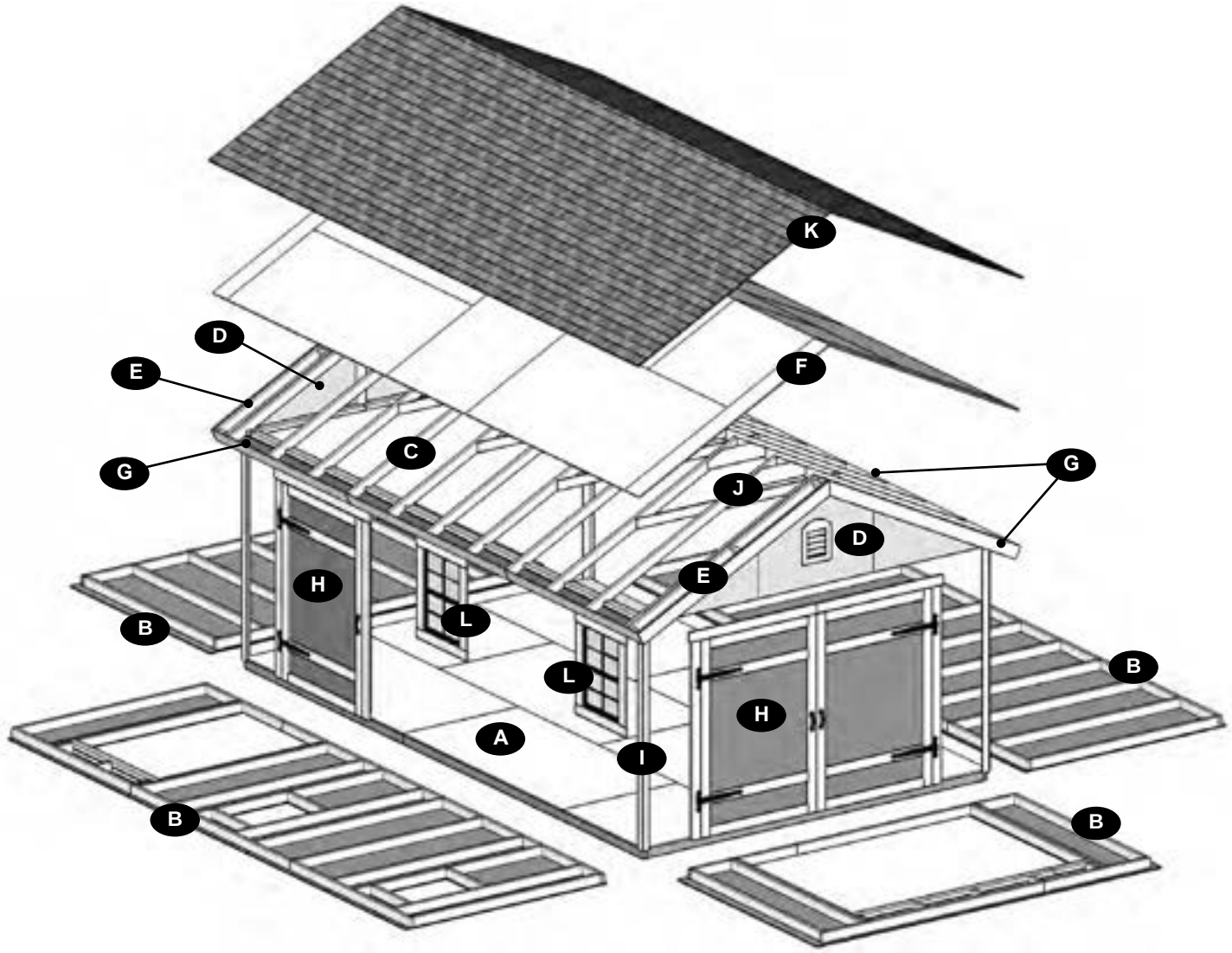
FASTENER/HARDWARE BAG

☐ **x24**  3" (7,6 cm)

☐ **x64**  2" (5,1 cm)

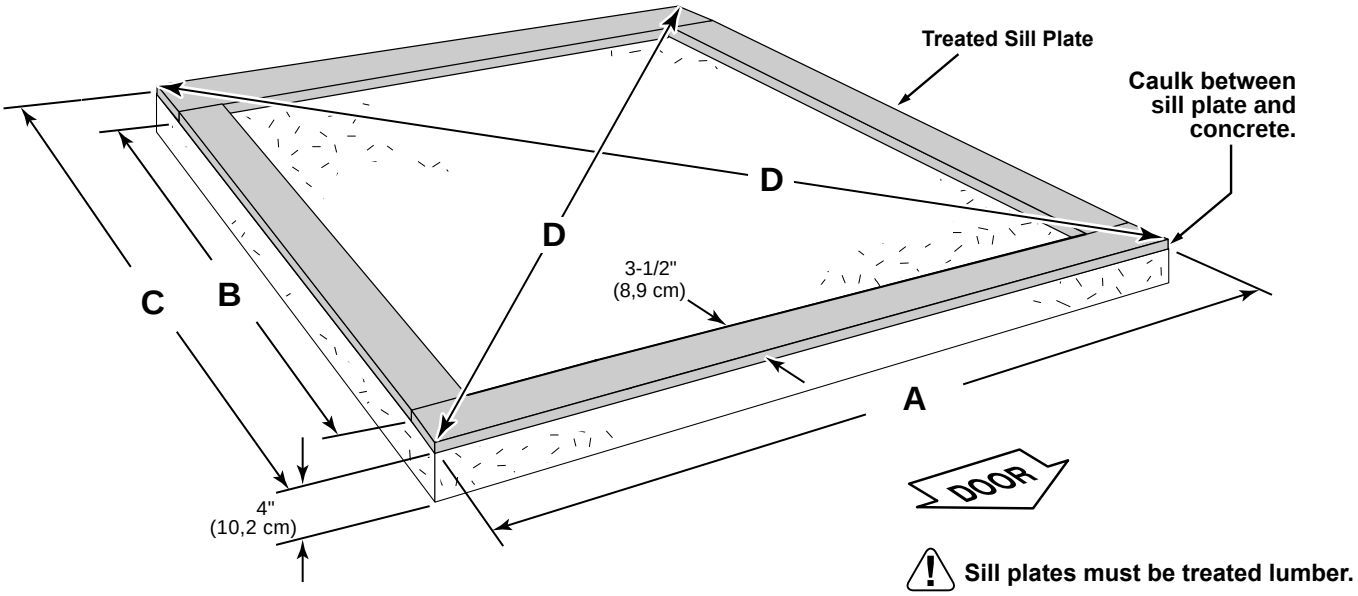
☐ **x8**  1-5/8" (4,1 cm)

COMPONENT SECTION INDEX



CONCRETE FOUNDATION

If you choose to install your kit on a concrete slab refer to the diagram below.



Building Size	Actual Floor Size	A	B	C	D
12'x 20' (365,8 x 609,6 cm)	12' x 20' (365,8 x 609,6 cm)	144" (365,8 cm)	233" (591,8 cm)	240" (609,6 cm)	279-7/8" (710,9 cm)

Building Requires:

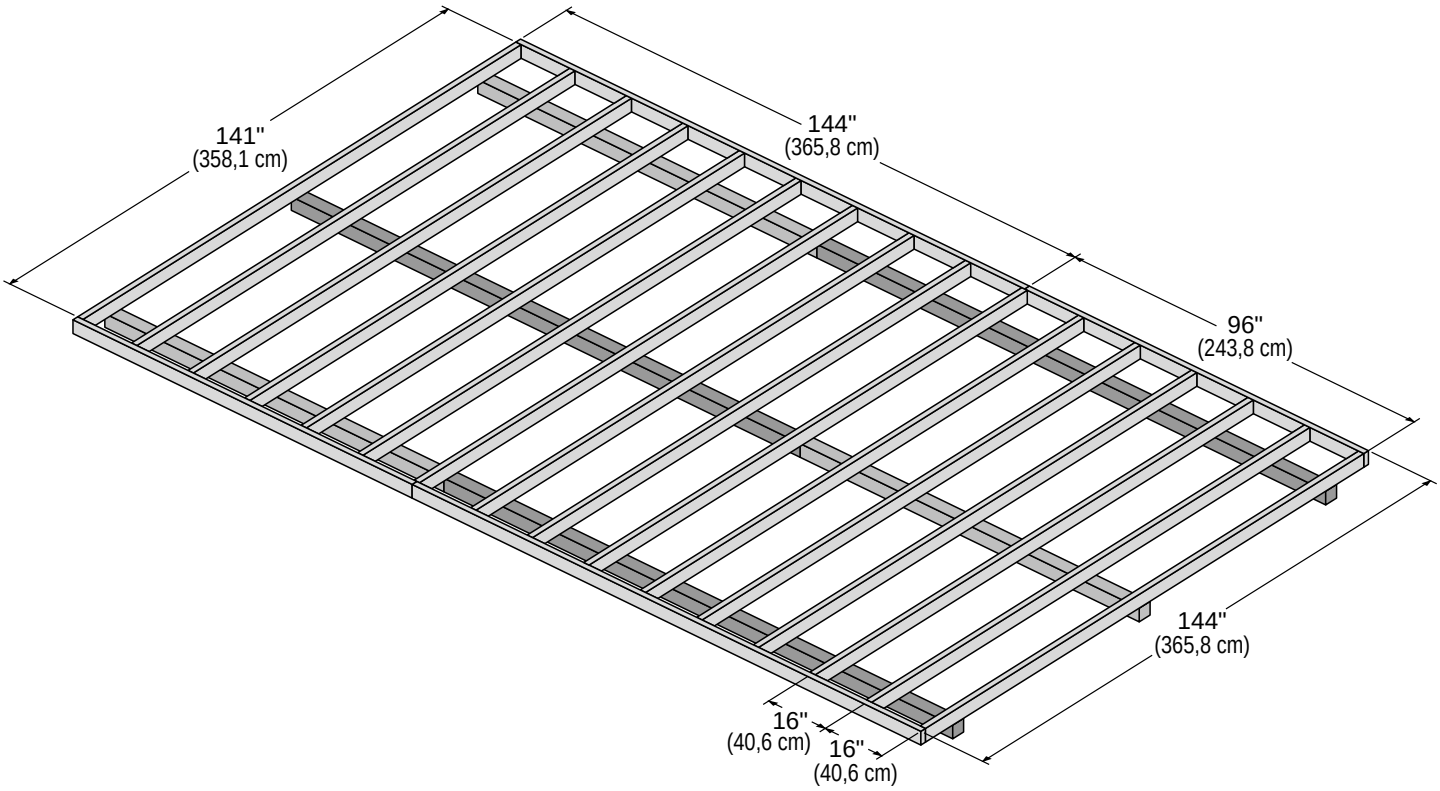
- ☐ **x4 2 x 4 x 12' (5,1 x 10,2 x 304,8 cm)**
- ☐ **x2 2 x 4 x 8' (5,1 x 10,2 x 233,6 cm)** Cut to: 89" (226 cm)
- ☐ **x1 Caulk**

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. Purchase full length treated lumber, or butt shorter pieces end-to-end and seal seams with caulk.**
- **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.**

BUILD YOUR OWN WOOD FLOOR OPTION

(Materials not included.)



MATERIAL REQUIRED

- ☐ **x2** 2 x 4 x 8' (5,1 x 10,2 x 243,8 cm)
- ☐ **x18** 2 x 4 x 12' (5,1 x 10,2 x 365,8 cm)
  Cut (16) to 2 x 4 x 141" (5,1 x 10,2 x 358,1 cm)
- ☐ **x3** 4 x 4 x 12' (10,2 x 10,2 x 365,8 cm)
- ☐ **x3** 4 x 4 x 8' (10,2 x 10,2 x 243,8 cm)

MUST be treated lumber

- ☐ **x8** 5/8" x 48" x 96" (1,6 x 121,9 x 243,8 cm)
  Cut (2) to 47-7/8" x 48" (1,6 x 121,6 x 121,9 cm)

- ☐ **x2** 2" (5,1 cm) — **1 lb. of 2" (5,1 cm) Hot Dipped Galvanized Box-Type Nails**
- ☐ **x68** 3" (7,6 cm) — **40 Nails - 3" (7,6 cm) Hot Dipped Galvanized Box-Type Nails**
- ☐ **x96** 3" (7,6 cm) — **Screws for Frame to 4"x 4"**
  Minimum 3" screws / exterior grade.

⚠ *LEVEL AND SQUARE FLOOR FRAME* ⚠

STOP! STOP!

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.

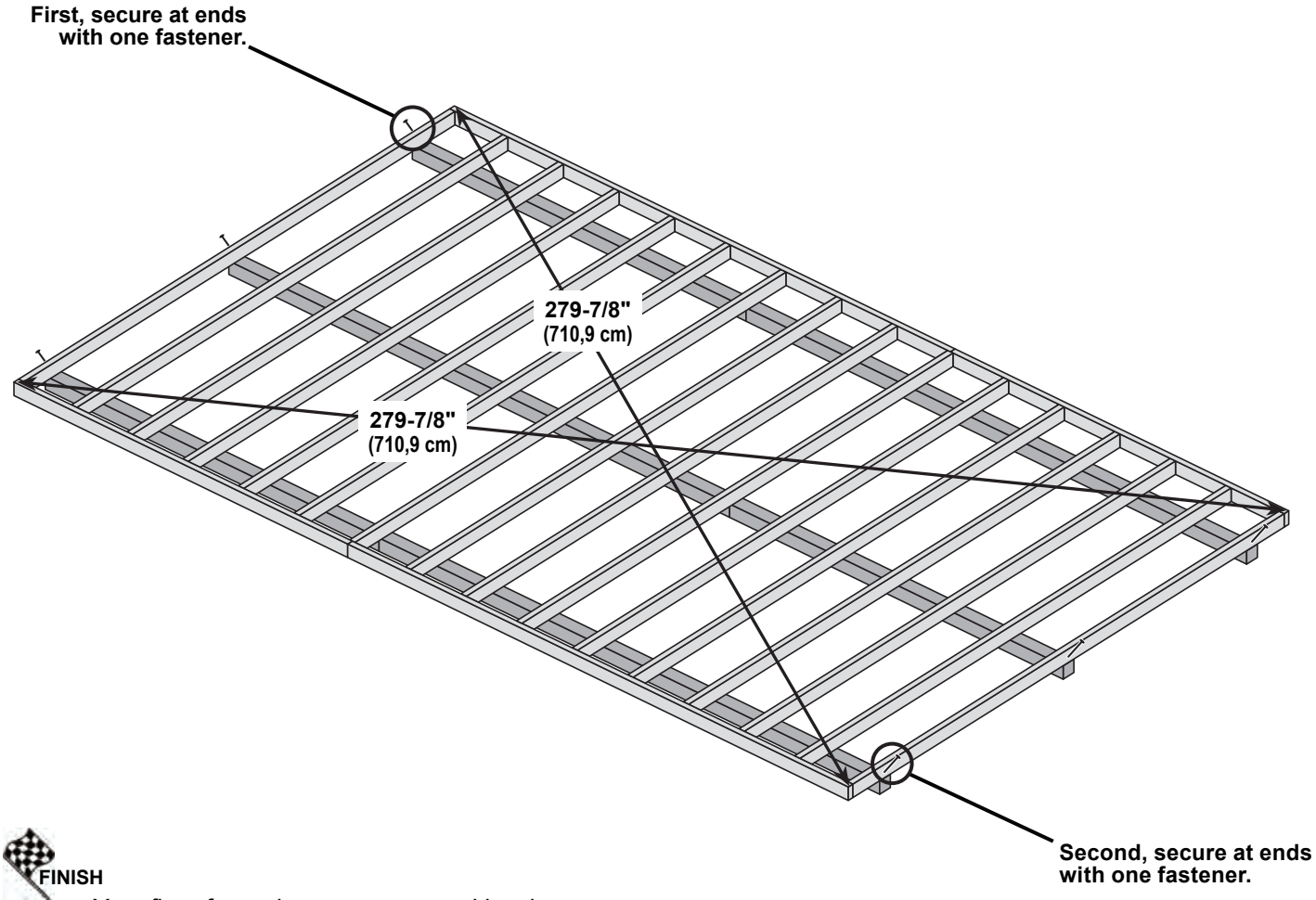
BEGIN

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

2 Use a level and check that the frame is level before installing 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 279-7/8" (710,9 cm).

4 After the frame is level and square, secure one side of frame to 4x4 runners using one fastener at ends of each runner. At the opposite end of the frame, secure the frame to 4x4 runners with one fastener at the ends of each runner, ensuring that the frame remains square.



FINISH

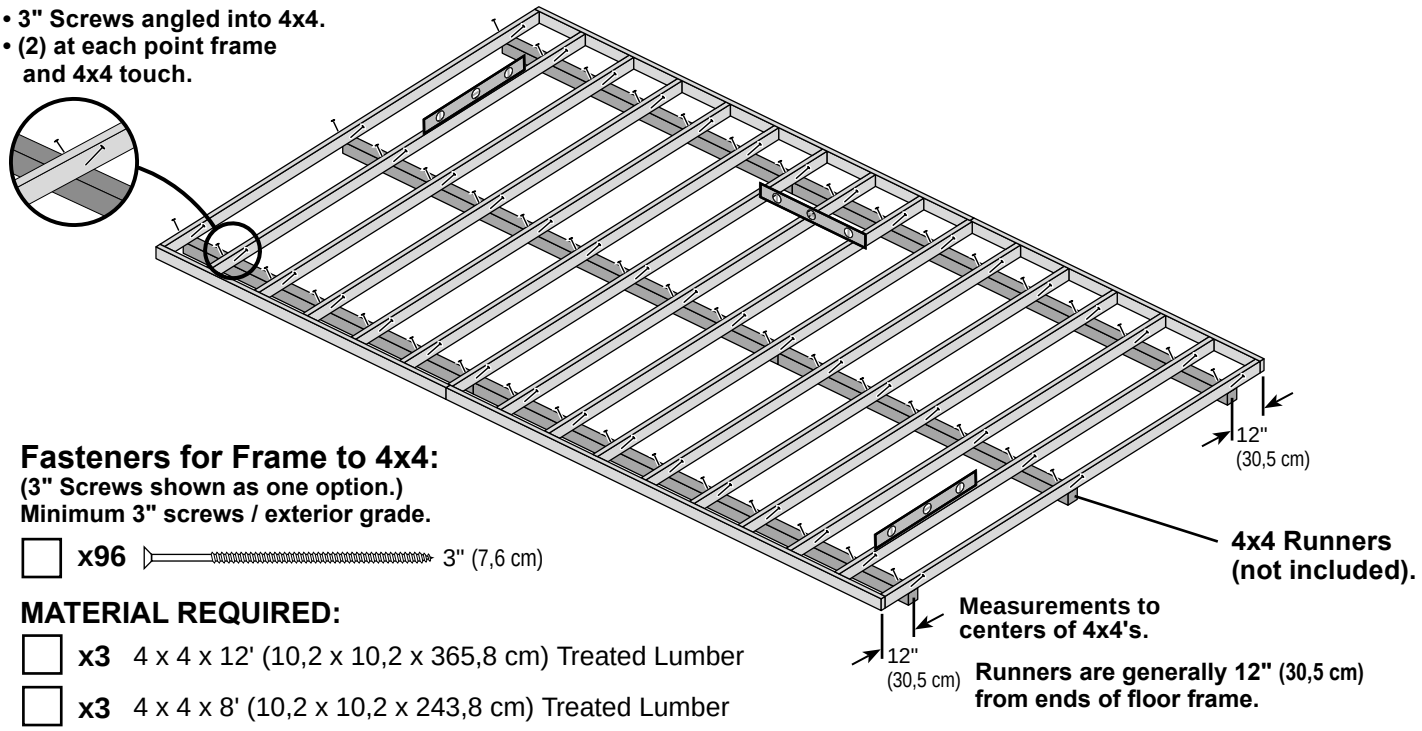
Your floor frame is now square and level.

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 - 4x4 TREATED RUNNERS

• 3" Screws angled into 4x4.
• (2) at each point frame and 4x4 touch.



Fasteners for Frame to 4x4:

(3" Screws shown as one option.)
Minimum 3" screws / exterior grade.

☐ **x96** 3" (7,6 cm)

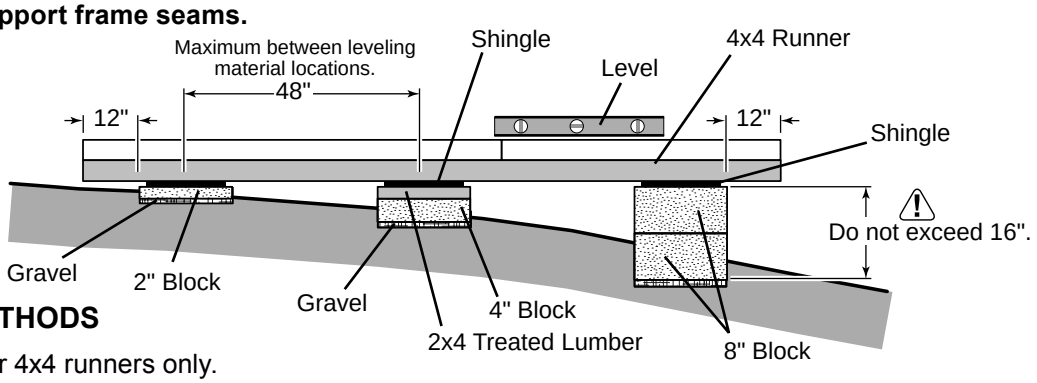
MATERIAL REQUIRED:

☐ **x3** 4 x 4 x 12' (10,2 x 10,2 x 365,8 cm) Treated Lumber

☐ **x3** 4 x 4 x 8' (10,2 x 10,2 x 243,8 cm) Treated Lumber

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

⚠ **Always support frame seams.**



LEVELING METHODS

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

LEVELING MATERIALS

☐ Gravel

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

☐ 2x4 Treated Lumber

☐ Asphalt Shingles

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

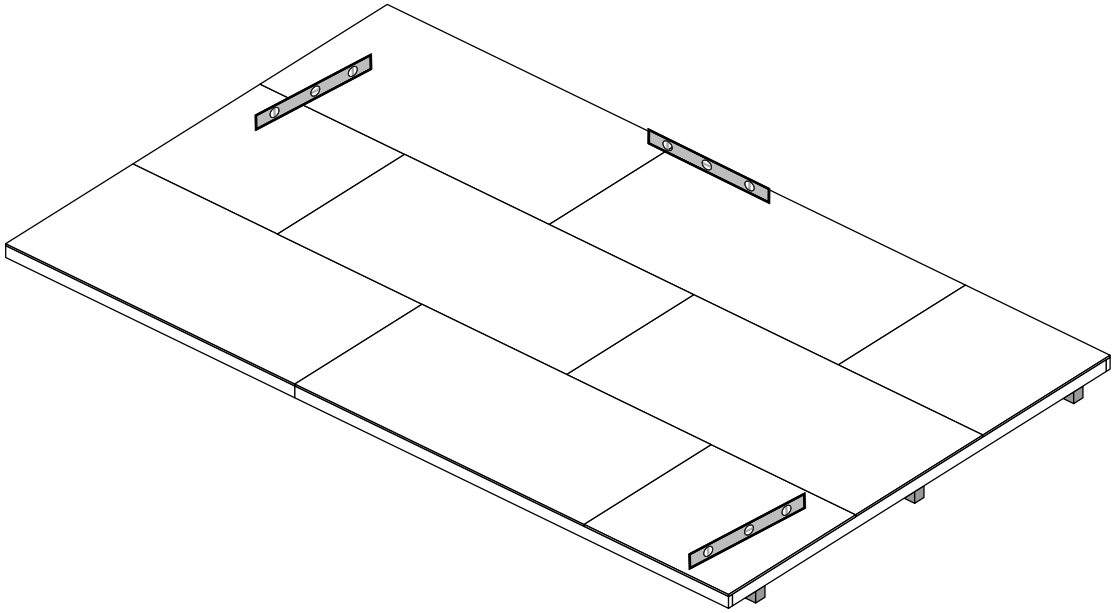
CONCRETE

- If you are building your shed on a concrete foundation see page 9.

IMPORTANT!

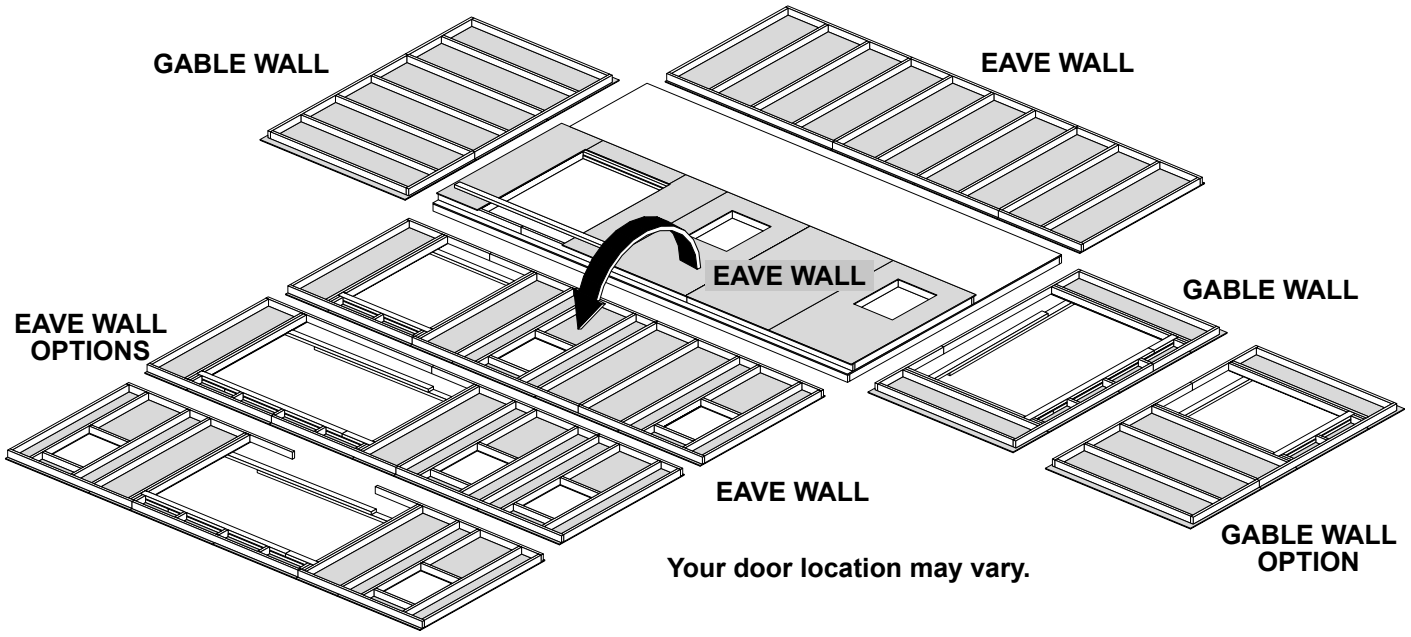
STOP!

Ensure that the floor frame is level after installing floor panels.
Re-level if necessary.



HINT:

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

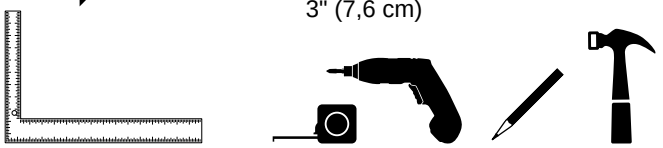


RAFTER ASSEMBLY

PARTS REQUIRED:

x2 **CLA** 2 x 4 x 4-7/8" (5,1 x 10,2 x 12,4 cm)

x4 3" (7,6 cm)

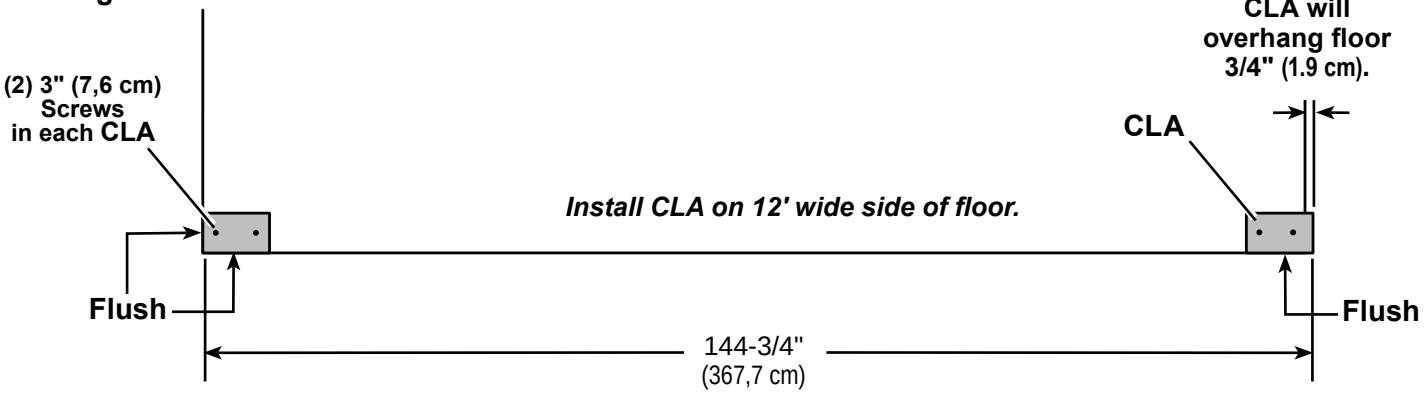


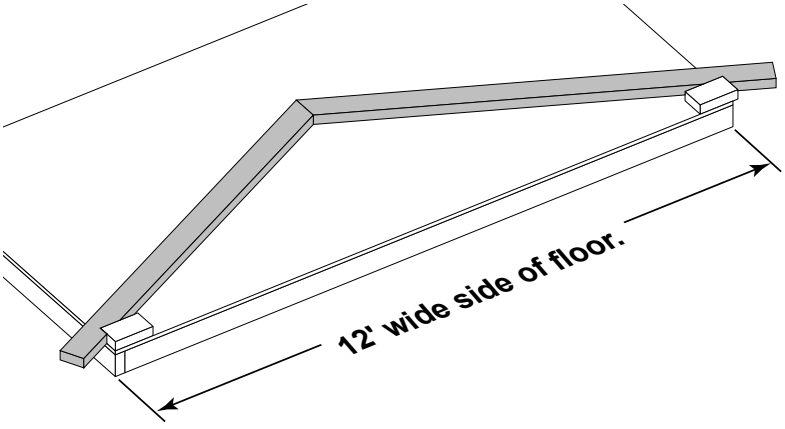
Build a rafter jig using the floor and (2) CLA parts.

BEGIN

1 Secure (1) **CLA** flush to the floor deck with (2) 3" screws **(Fig. A)**.
Measure over 144-3/4" (367,7 cm) and install a second **CLA** flush to the floor deck.
Secure with (2) 3" screws.

Fig. A





RAFTER ASSEMBLY

PARTS REQUIRED:

x20 OSB OR WOOD GRAIN

x22 DNB
2 x 4 x 88-11/16" (5,1 x 10,2 x 225,3 cm)

x218
2" (5,1 cm)

x22
1-5/8" (4,1 cm)

BEGIN

1 Place (2) rafters **DNB** into the jig, as shown.

2 Press **DNB** firmly against the outside of **CLA**'s, as shown **(Fig. A)** and push rafters tight to the middle. Rafters should touch (flush) at peak **(Fig. A)**.

Place gusset onto **DNB** with a 1/4" gap from edge **(Fig. A)** while holding rafters in place.
Secure gusset with (1) 1-5/8" screw into each rafter.

HINT: These screws will help hold the measurements when you nail on gussets.

Secure the gusset to the rafters with (10) 2" nails in the pattern shown **(Fig. A)**.

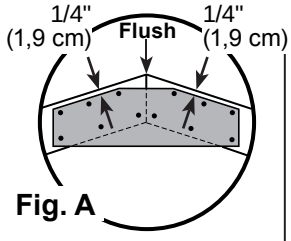
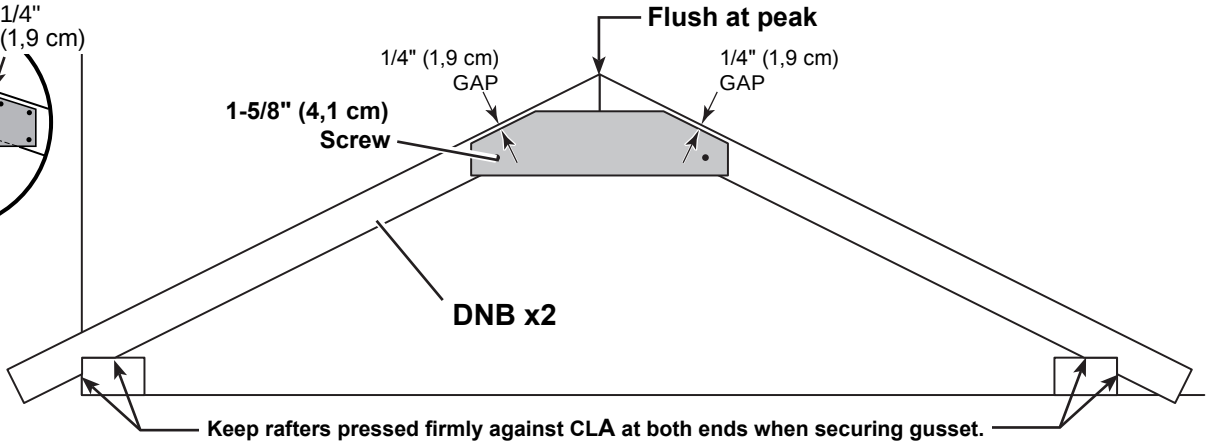


Fig. A



3 Flip over rafter assembly and fasten a 2nd gusset with 2" nails **(Fig. A, Flg. B)**.
No need to use the jig for the 2nd gusset.

Repeat steps 1-3 to build (8) ADDITIONAL rafters with (2) gussets (Flg. B).

4 Repeat steps 1 and 2 to build (2) rafters with only (1) gusset **(Flg. C)**

Fig. B - ***Build 9***

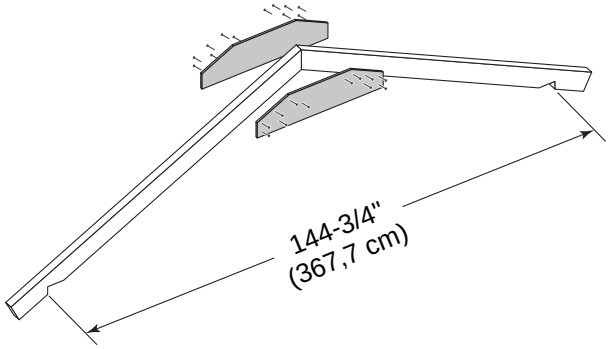
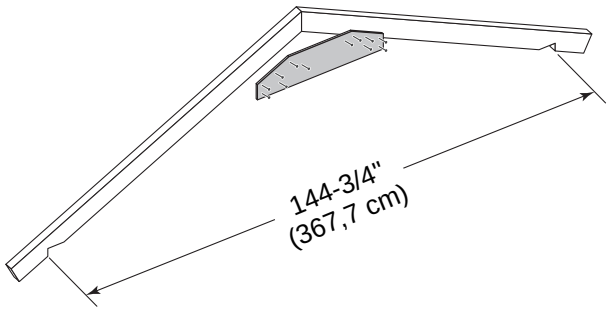


Fig. C - ***Build 2***



FINISH

Your rafters are now assembled.

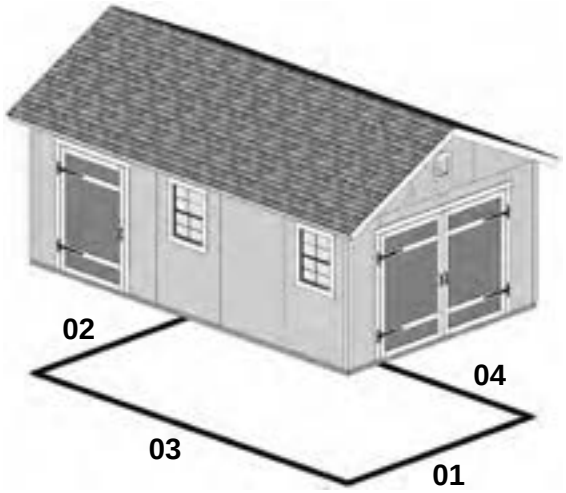
WALL INDEX

Create your own style of shed. Choose your door location.
Use this guide to find the corresponding wall construction and installation pages.

IMPORTANT! Build your door headers before building any walls (see next page).

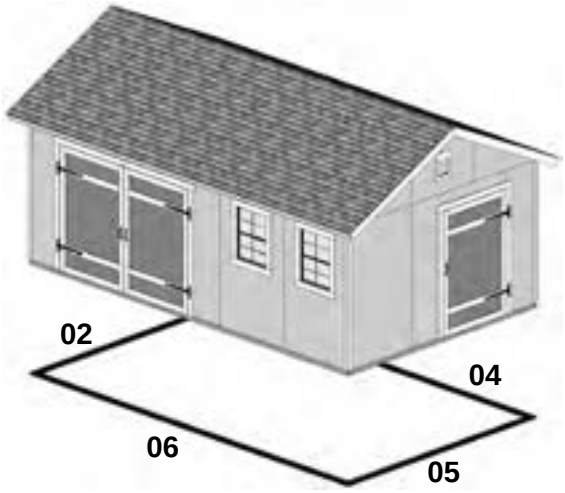
After assembling the walls for your shed, go to page 41 for wall installation.

Double Doors on Gable Wall



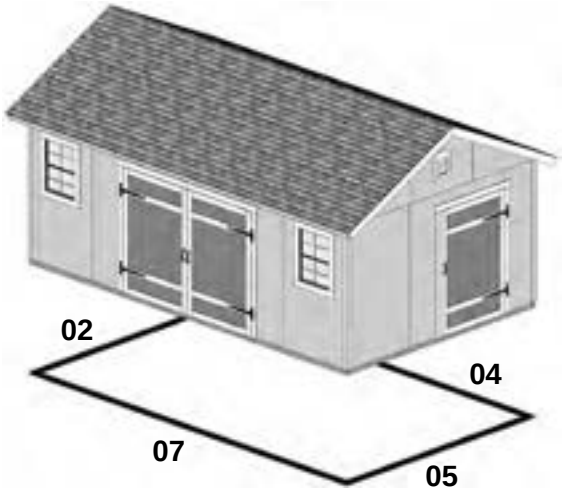
Wall 03: Page 26
Wall 02: Page 24
Wall 04: Page 29
Wall 01: Page 22

Double Doors on Eave Wall Offset Left



Wall 06: Page 33
Wall 02: Page 24
Wall 04: Page 29
Wall 05: Page 31

Double Doors on Eave Wall Centered



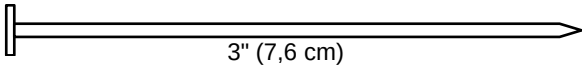
Wall 07: Page 37
Wall 02: Page 24
Wall 04: Page 29
Wall 05: Page 31

DOOR & WINDOW FRAME UNITS

STOP! ***Assemble the door and window frame units before building any walls!*** STOP!
Walls with a door or windows will require these assemblies.

Pre-assemble (2) Door Headers.

PARTS REQUIRED:

x46 
3" (7,6 cm)

x2 **CHC** 2 x 4 x 16-1/8" (5,1 x 10,2 x 41 cm)

x3 7/16" x 3-1/4" x 50" (1,1 x 8,3 x 127 cm) *OSB*

x2 **EGC** 2 x 4 x 51-3/4" (5,1 x 10,2 x 131,4 cm)

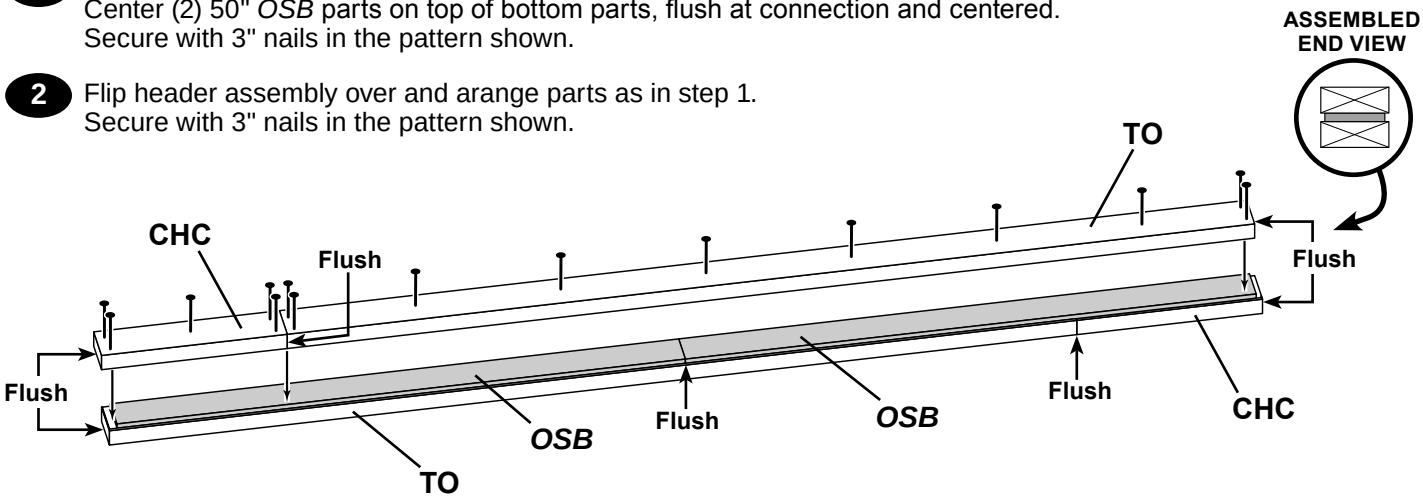
x2 **TO** 2 x 4 x 84" (5,1 x 10,2 x 213,4 cm)

DOUBLE DOOR HEADER

BEGIN

1 Arrange parts **CHC** and **TO** end-to-end on a flat surface. Flush parts at connection. Center (2) 50" *OSB* parts on top of bottom parts, flush at connection and centered. Secure with 3" nails in the pattern shown.

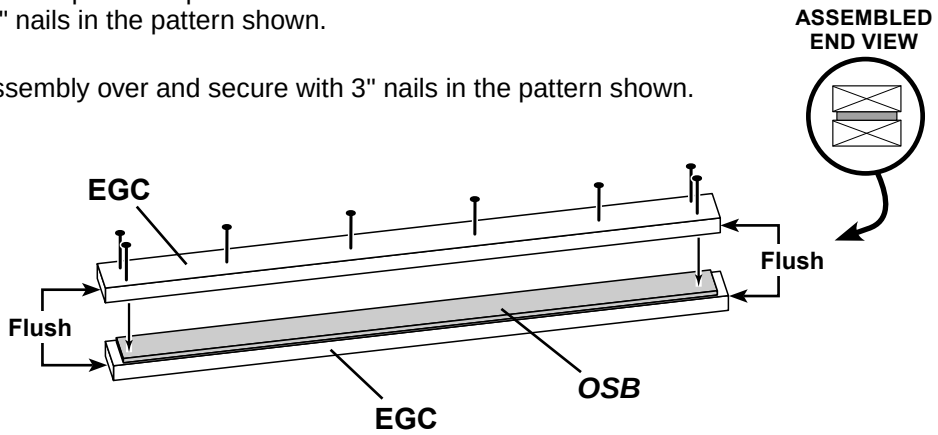
2 Flip header assembly over and arange parts as in step 1. Secure with 3" nails in the pattern shown.



SINGLE DOOR HEADER

3 Center (1) 50" *OSB* part on top of **EGC**. Secure with 3" nails in the pattern shown.

4 Flip header assembly over and secure with 3" nails in the pattern shown.



SINGLE DOOR UNIT

PARTS REQUIRED:

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

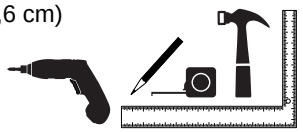
x2 YFA
2 x 4 x 68-1/2" (5,1 x 10,2 x 174 cm)

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

x1 **Assembled 51-3/4" Header**

x36 3" (7,6 cm)

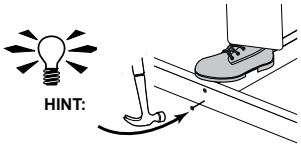
x2 3" (7,6 cm)

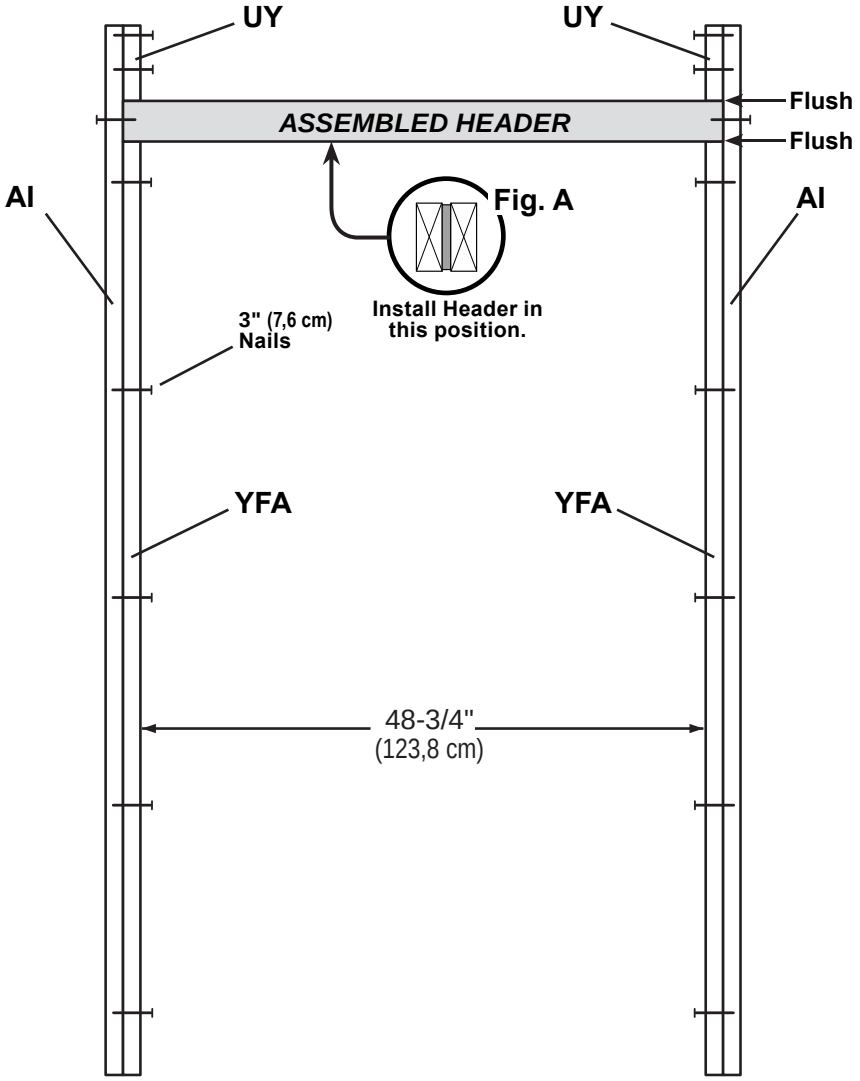


BEGIN

1

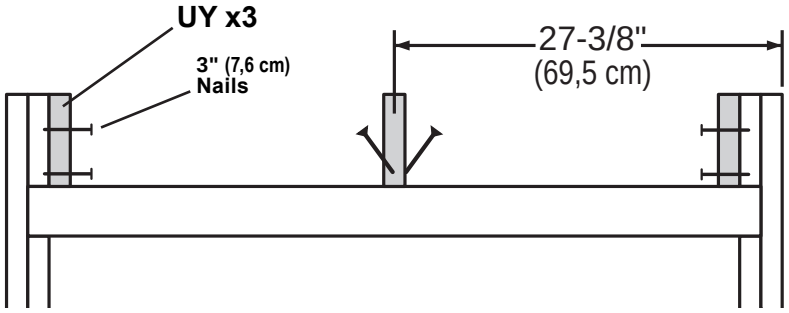
Arrange parts on edge on floor, as shown. Measure and mark from end of boards. Orient the 51-3/4" **Assembled Header** on flat side **(Fig. A)**. Secure parts with (2) 3" nails at each connection.

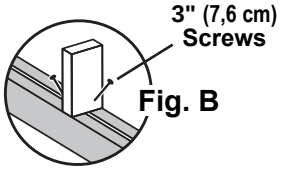




2

Measure, install and secure (1) part **UY** to **Assembled Header** with (2) 3" screws **(Fig. B)**. Install and secure (2) parts **UY** with (2) 3" nails.





FINISH

Your single door frame unit is now assembled.

Carefully set the door unit aside.

DOUBLE DOOR UNIT

PARTS REQUIRED:

x7 **UY** 2 x 4 x 6-1/2" (5,1 x 10,2 x 16,5 cm)

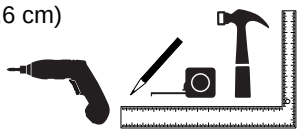
x2 **YFA** 2 x 4 x 68-1/2" (5,1 x 10,2 x 174 cm)

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

x1 **Assembled 100-1/8" Header**

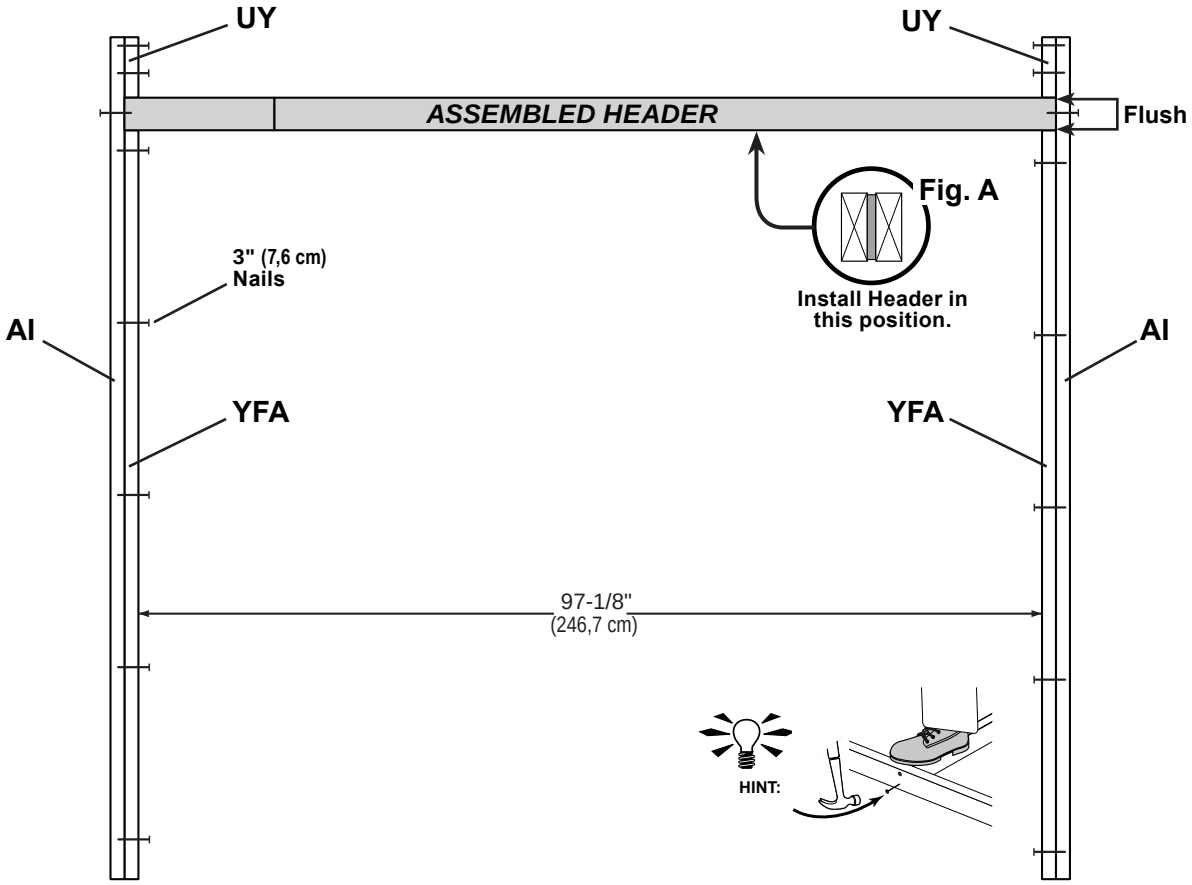
x36 3" (7,6 cm)

x6 3" (7,6 cm)

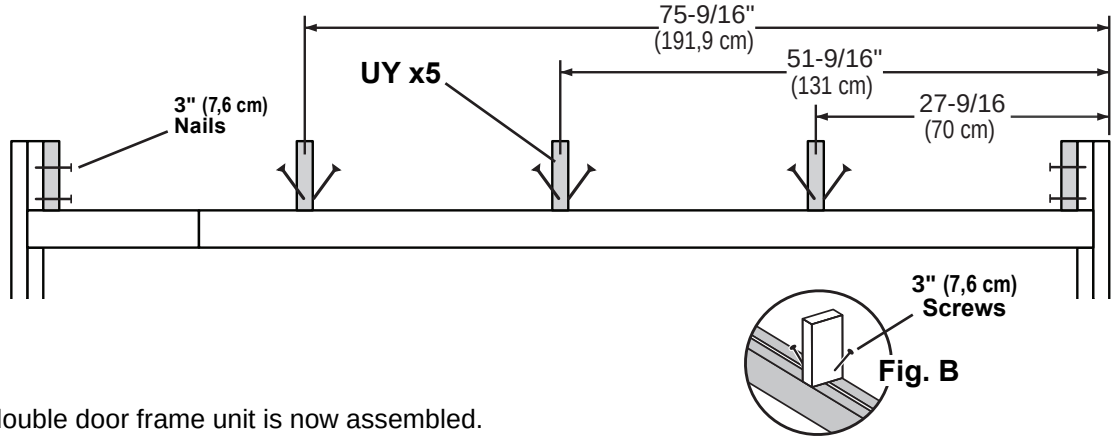


BEGIN

1 Arrange parts on edge on floor, as shown. Measure and mark from end of boards. Orient the 100-1/8" **Assembled Header** on flat side **(Fig. A)**. Secure parts with (2) 3" nails at each connection.



2 Measure, install and secure (3) middle parts **UY** to **Assembled Header** with (2) 3" screws **(Fig. B)**. Install and secure (2) parts **UY** with (2) 3" nails.



FINISH

Your double door frame unit is now assembled.

Carefully set the door unit aside.

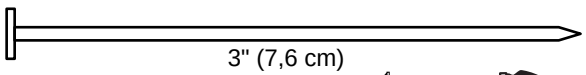
WINDOW FRAME UNITS

PARTS REQUIRED:

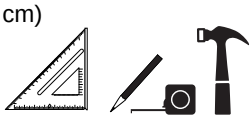
x4 **AO** 2 x 4 x 22-1/2" (5,1 x 10,2 x 57,1 cm)

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

x16



3" (7,6 cm)



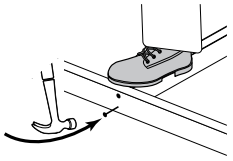
Build (2) window frame units.

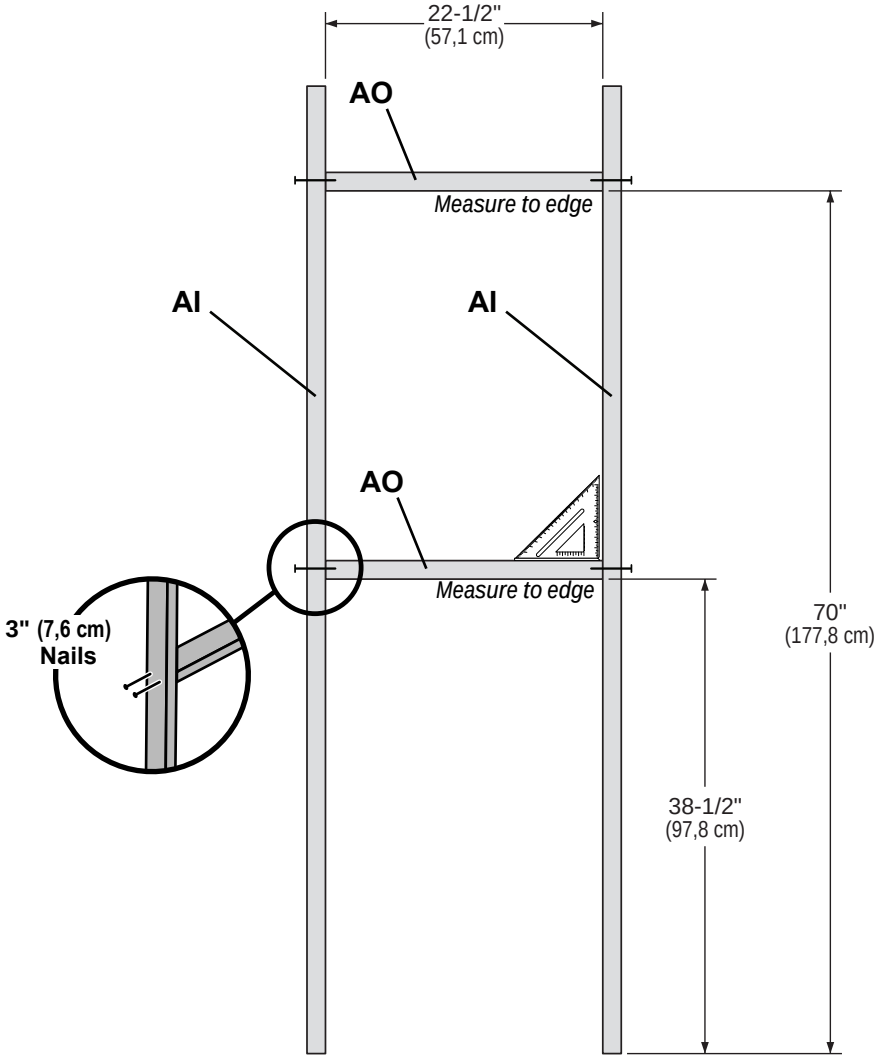
BEGIN

1 Arrange 2x4 parts on edge on floor.
Measure to edges of **AO** and mark locations.

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

HINT:
For easier nailing stand on frame.





Repeat steps to build (1) additional wndow frame unit.

FINISH

Your window frame units are 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

2x4 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 (1) **48" x 84"** panel on the wall frame, as shown.
Locate the panel 1-1/2" above the top plate.
Use a 2x4 as a gauge block for the 1-1/2" top overhang measurement.
Use the **GAA** gauge block to mark the 3/4" side measurement on the wall stud.
Secure panel with (2) 2" nails in the corners **(Fig. A).**

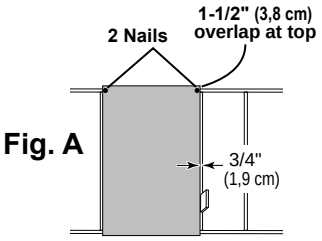


Fig. A

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.

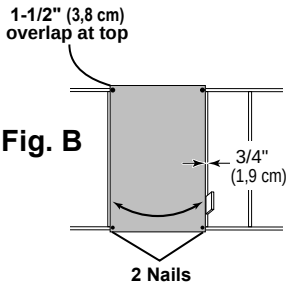
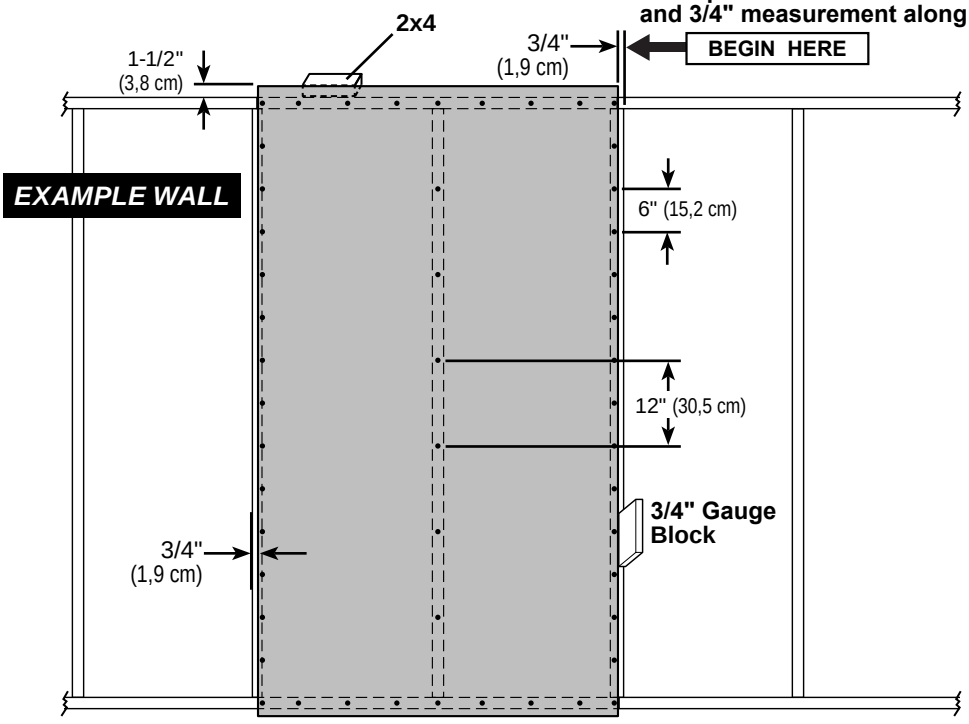
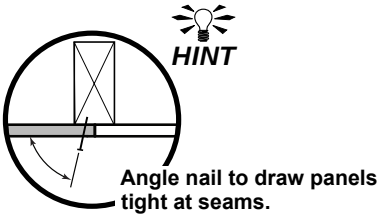


Fig. B

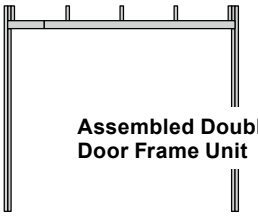
For squareness maintain 1-1/2" and 3/4" measurement along panel edges.





12' WALL 01

PARTS REQUIRED:

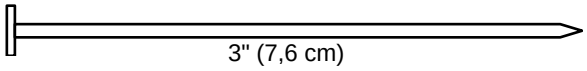


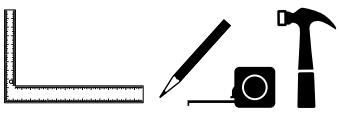
Assembled Double Door Frame Unit

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

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

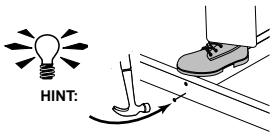
x2 **TJ**
2 x 4 x 92-1/2" (5,1 x 10,2 x 235 cm)

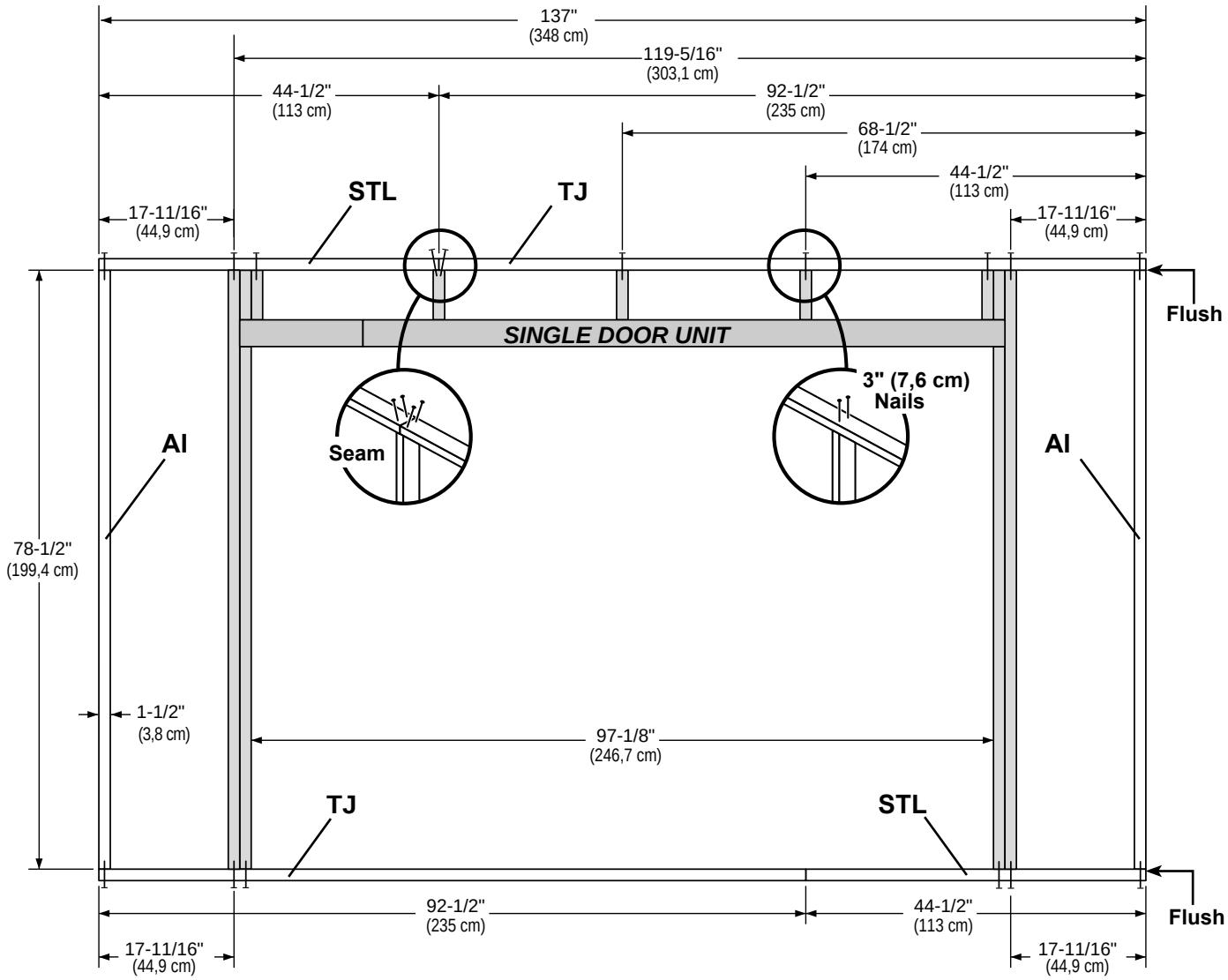
x32 
3" (7,6 cm)



BEGIN

1 Arrange parts on edge on floor, as shown. Measure and mark centers 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.





12' WALL 01

PARTS REQUIRED:

x2 — 11-1/4 x 48" (28,6 x 121,9 cm)

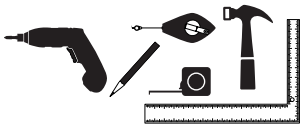
x1 — 23-7/8 x 84" (60,6 x 213,4 cm)

x1 — 23-7/8 x 84" (60,6 x 213,4 cm)

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

x6 — 3" (7,6 cm)

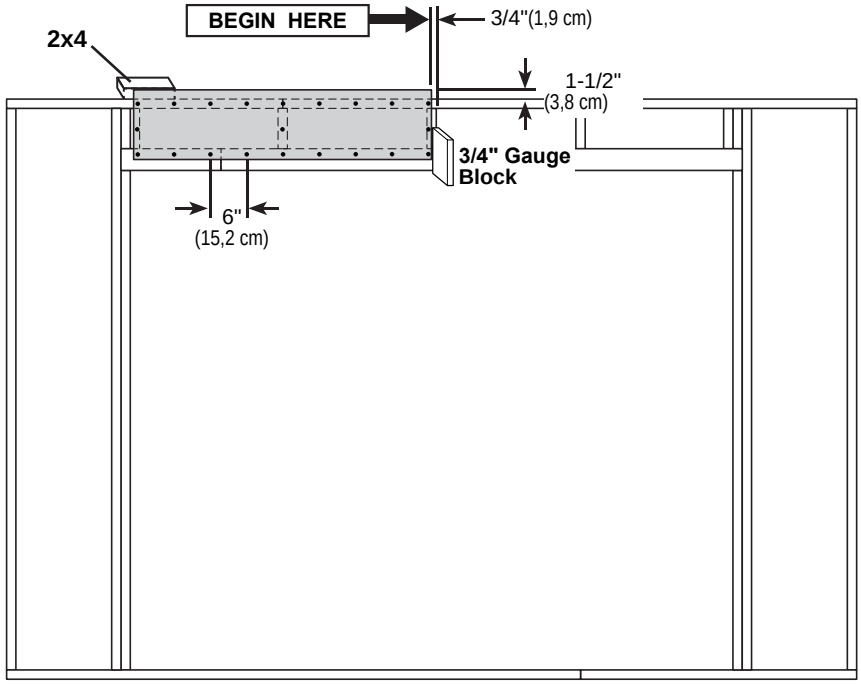
x110 — 2" (5,1 cm)



2

Install (1) **11-1/4" x 48"** panel at 3/4" on the door frame and 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 2nd **11-1/4" x 48"** panel flush to installed panel and 1-1/2" from the top plate. Secure panel with 2" nails spaced 6" apart on edges.

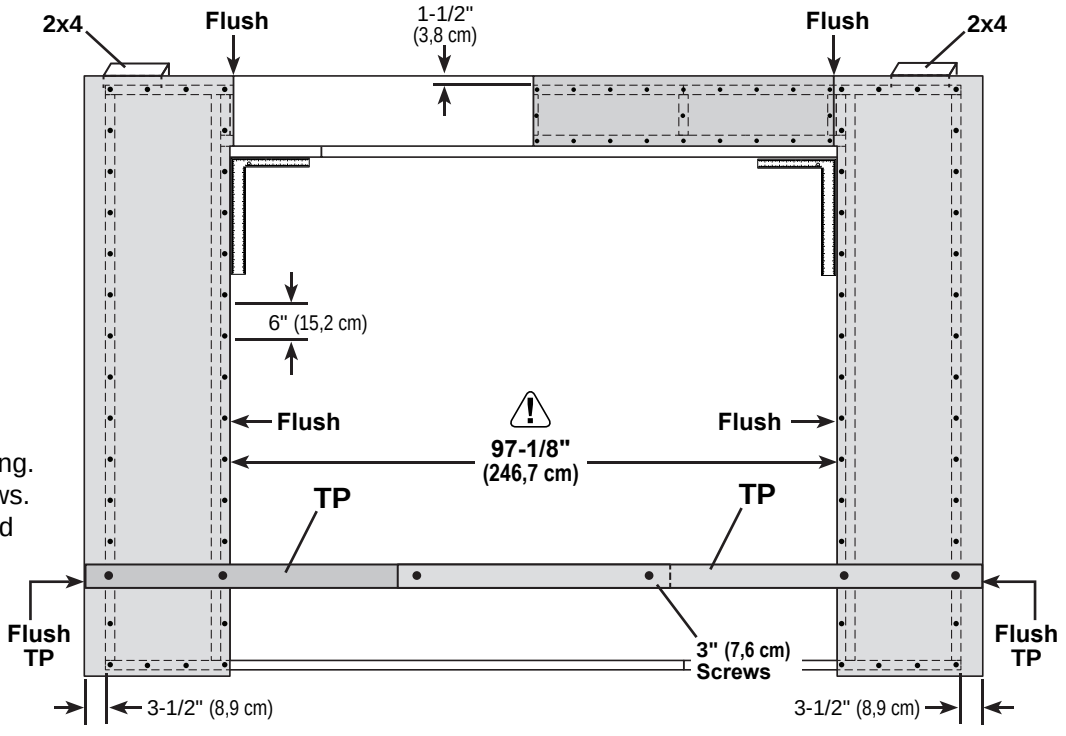
4

Install the right and left **23-7/8" x 84"** panels flush to installed panels, as shown. ***Ensure the 97-1/8" (246,7 cm) door measurement.***

Secure panels with 2" nails spaced 6" apart on edges. ***Check for squareness during nailing.***

5

Stack (2) **TP** as temporary bracing. Fasten together with (2) 3" screws. Install assembled brace centered across door opening. Secure with (4) 3" screws into wall framing, as shown.



FINISH

Your 12' wall 01 is now assembled. Carefully flip the wall over.

12' WALL 02

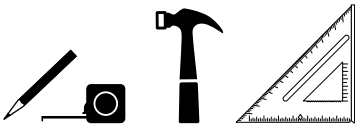
PARTS REQUIRED:

x32 3" (7,6 cm)

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

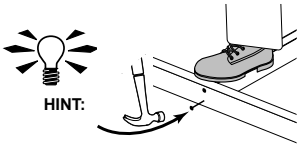
x7 **AI**
2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)

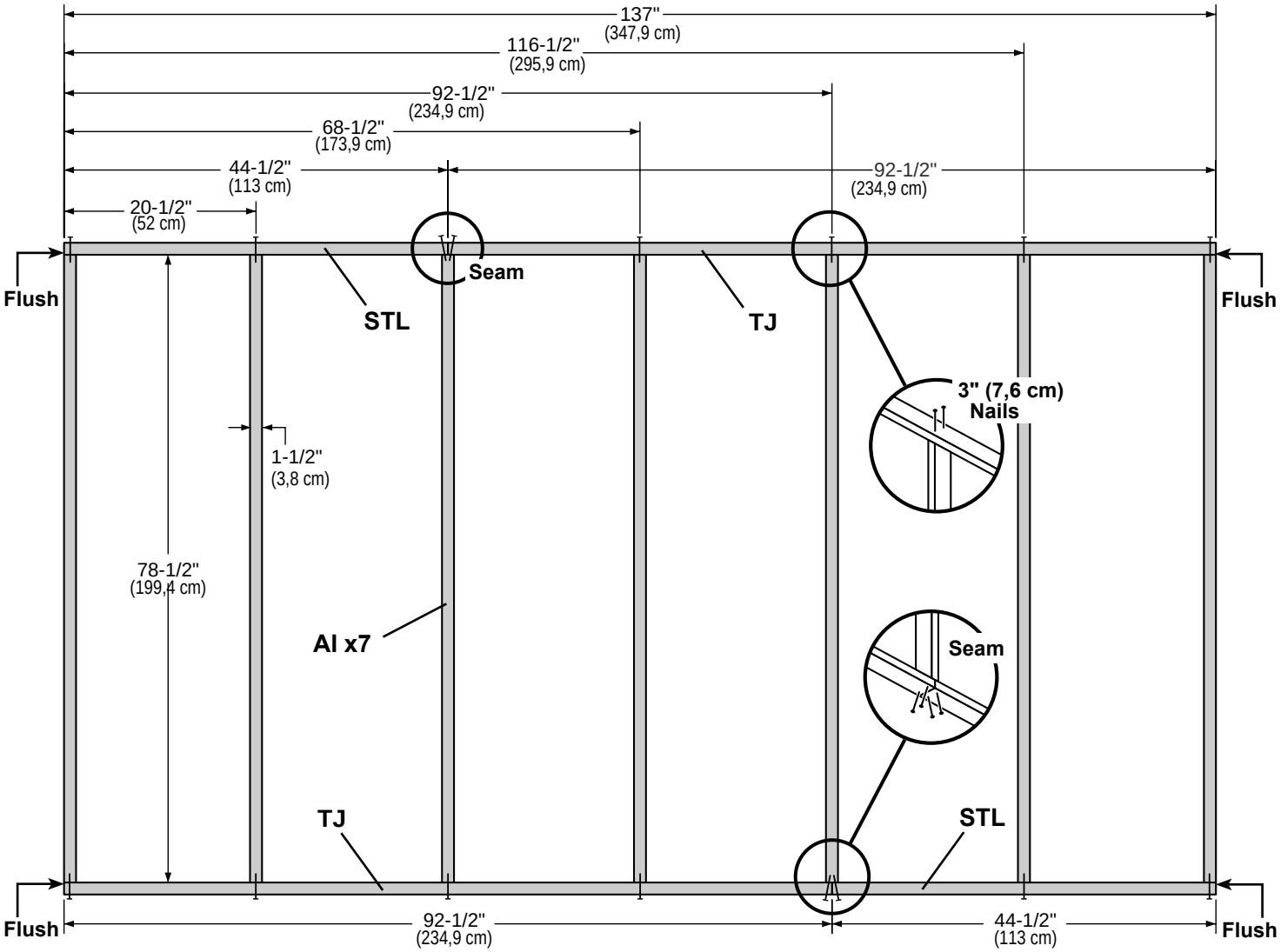
x2 **TJ**
2 x 4 x 92-1/2 " (5,1 x 10,2 x 234,9 cm)



✓**BEGIN**

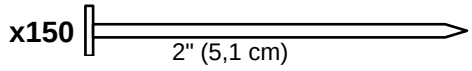
1 Arrange parts on edge on floor, as shown. Measure and mark from end of boards. Secure with (2) 3" nails at each connection and (4) 3" nails at seams.





12' WALL 02

PARTS REQUIRED:

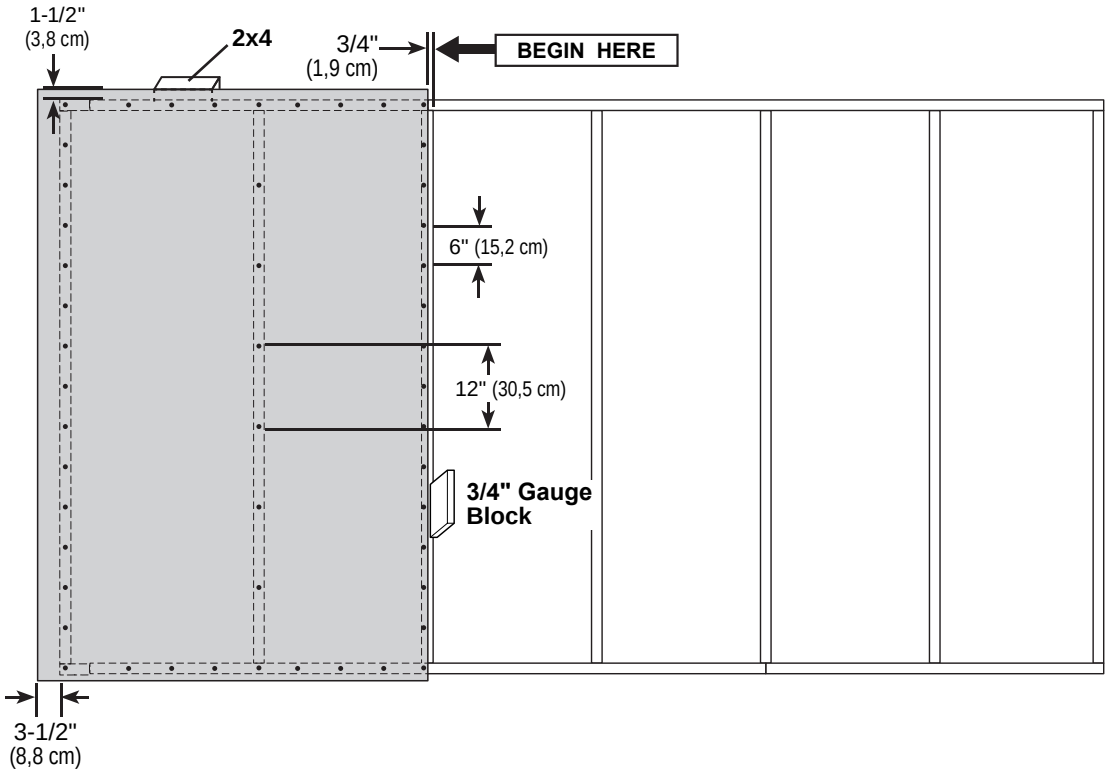


2

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.

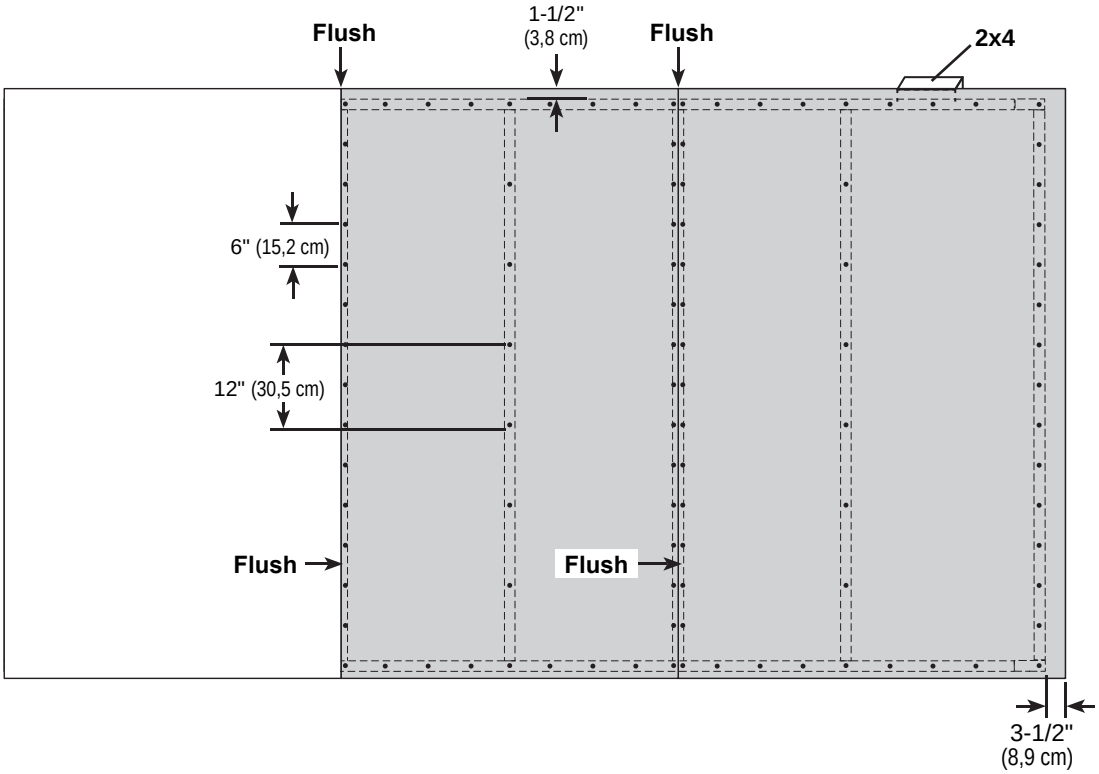


3

Install (2) **48" 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 12' wall 02 is now assembled.

Carefully flip the wall over.

20' WALL 03

PARTS REQUIRED:

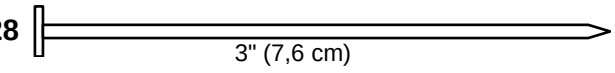
x1 **SP**
2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)

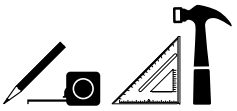
x2 **TM**
2 x 4 x 72" (5,1 x 10,2 x 182,8 cm)

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

x3 **TP**
2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

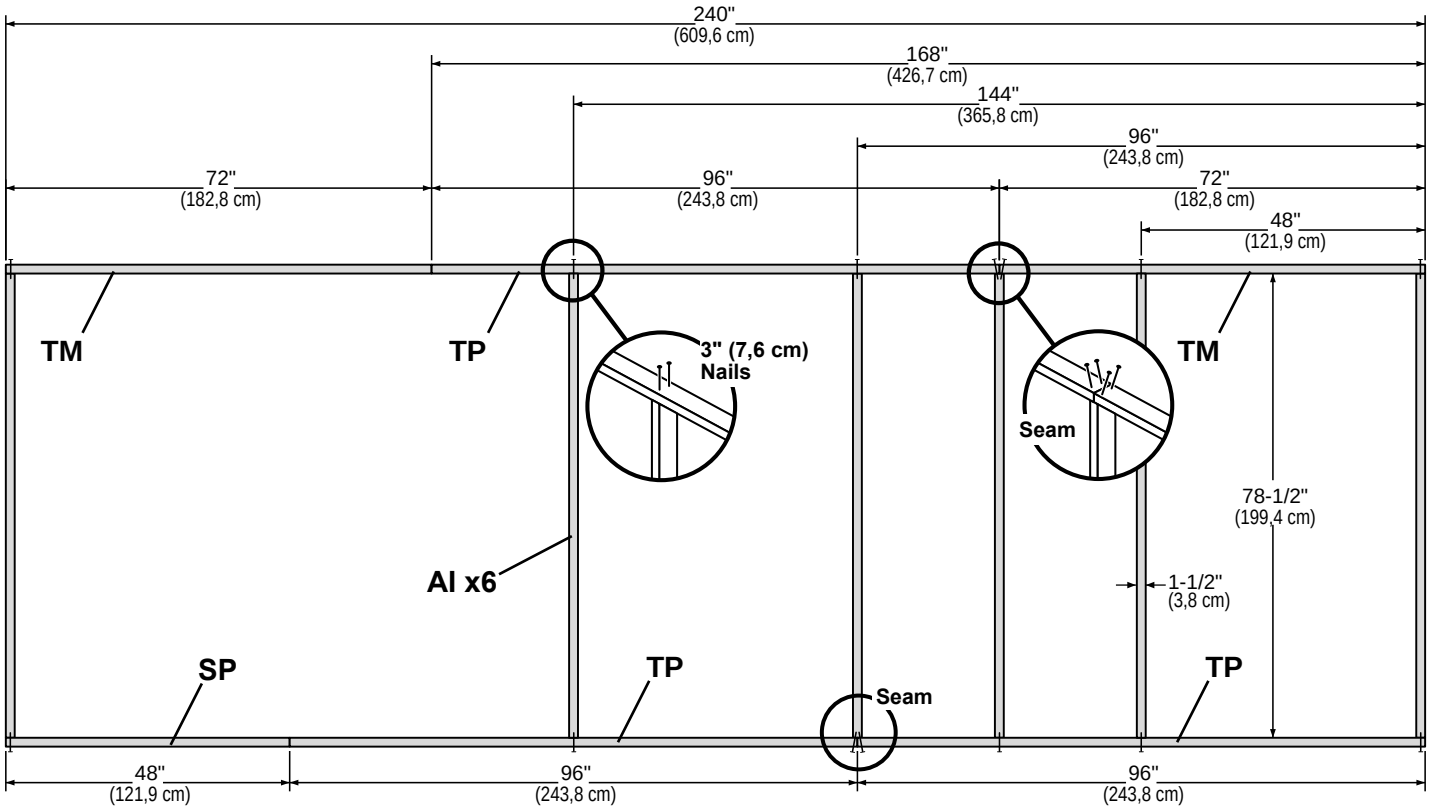
x28





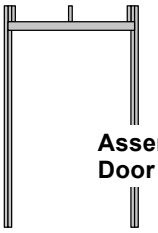
BEGIN

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



20' WALL 03

PARTS REQUIRED:

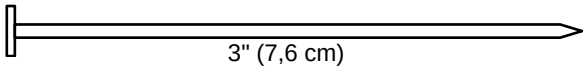


Assembled Single Door Unit

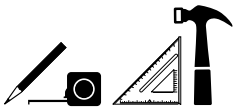
x2

Assembled Window Unit

x38

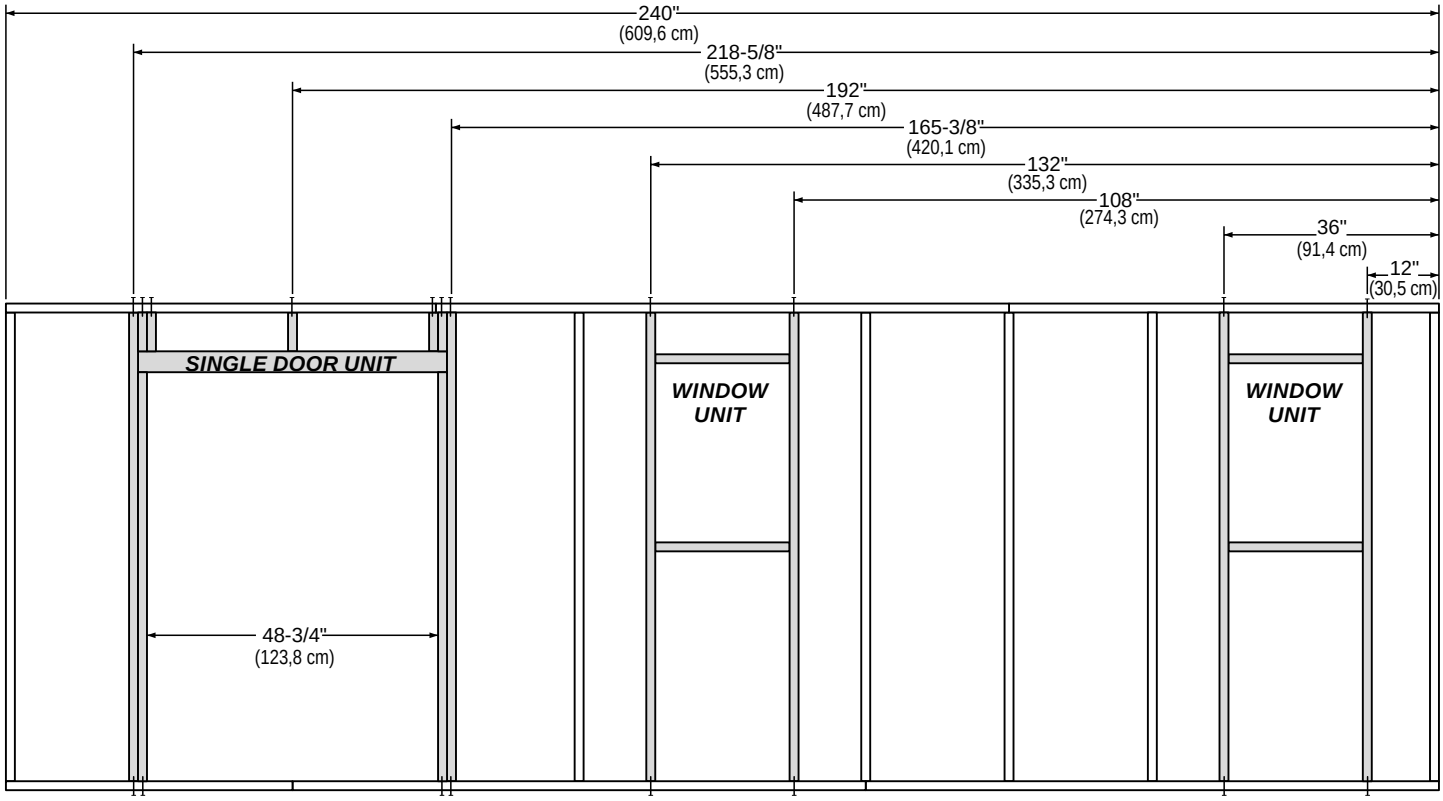


3" (7,6 cm)



2 Install the **Single Door Unit** at measurements shown. Secure parts with (2) 3" nails at each connection.

HINT:
For easier nailing stand on frame.



20' WALL 03

PARTS REQUIRED:

x1 11-1/4 x 48" (28,6 x 121,9 cm)

x1 23-7/8 x 96" (60,6 x 243,8 cm)

x2 3" (7,6 cm)

x279 2" (5,1 cm)

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

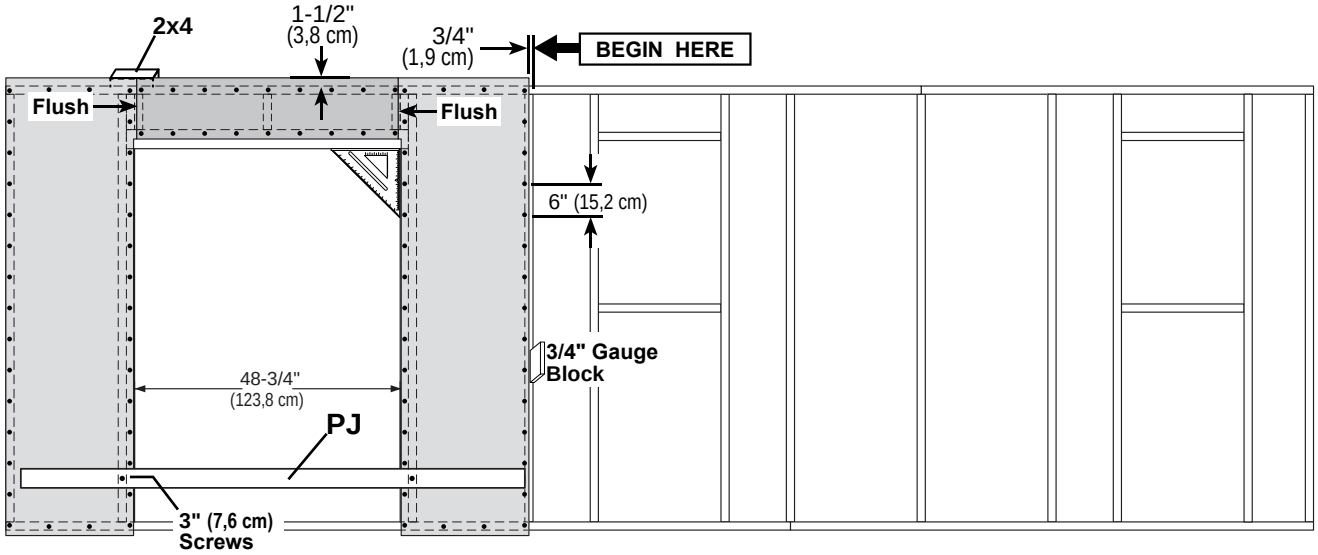
x1 23-7/8 x 96" (60,6 x 243,8 cm)

x2

x1 **PJ** *Temporary Brace* 2 x 4 x 69" (5,1 x 10,2 x 175,3 cm)

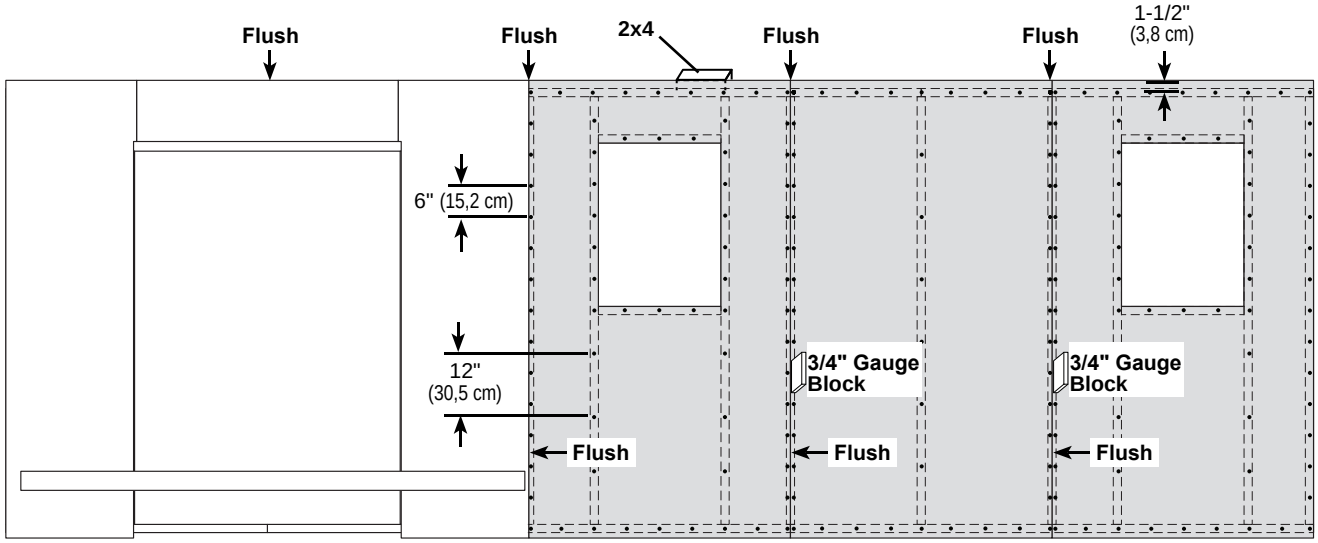
3 Install right **23-7/8" x 48"** door panel at 3/4" on the wall stud and 1-1/2" from the top plate. Use a 2x4 spacer for consistent measurement. Secure panel with 2" nails spaced 6" apart on edges.

4 Install (1) **11-1/4" x 48"** and left **23-7/8" x 48"** panels flush to installed panel and 1-1/2" from the top plate. Secure panel with 2" nails spaced 6" apart on edges.



5 Install **PJ** as a temporary brace. ***Ensure the 48-3/4" (123,8 cm) door measurement.*** Install assembled brace centered across door opening. Secure with 3" screws into wall framing, as shown.

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



FINISH

Your 20' wall 03 is now assembled.
Carefully flip the wall over.

20' WALL 04

PARTS REQUIRED:

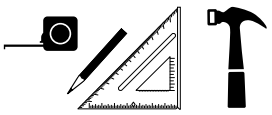
x52 3" (7,6 cm)

x1 SP 2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)

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

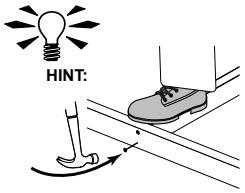
x11 AI 2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)

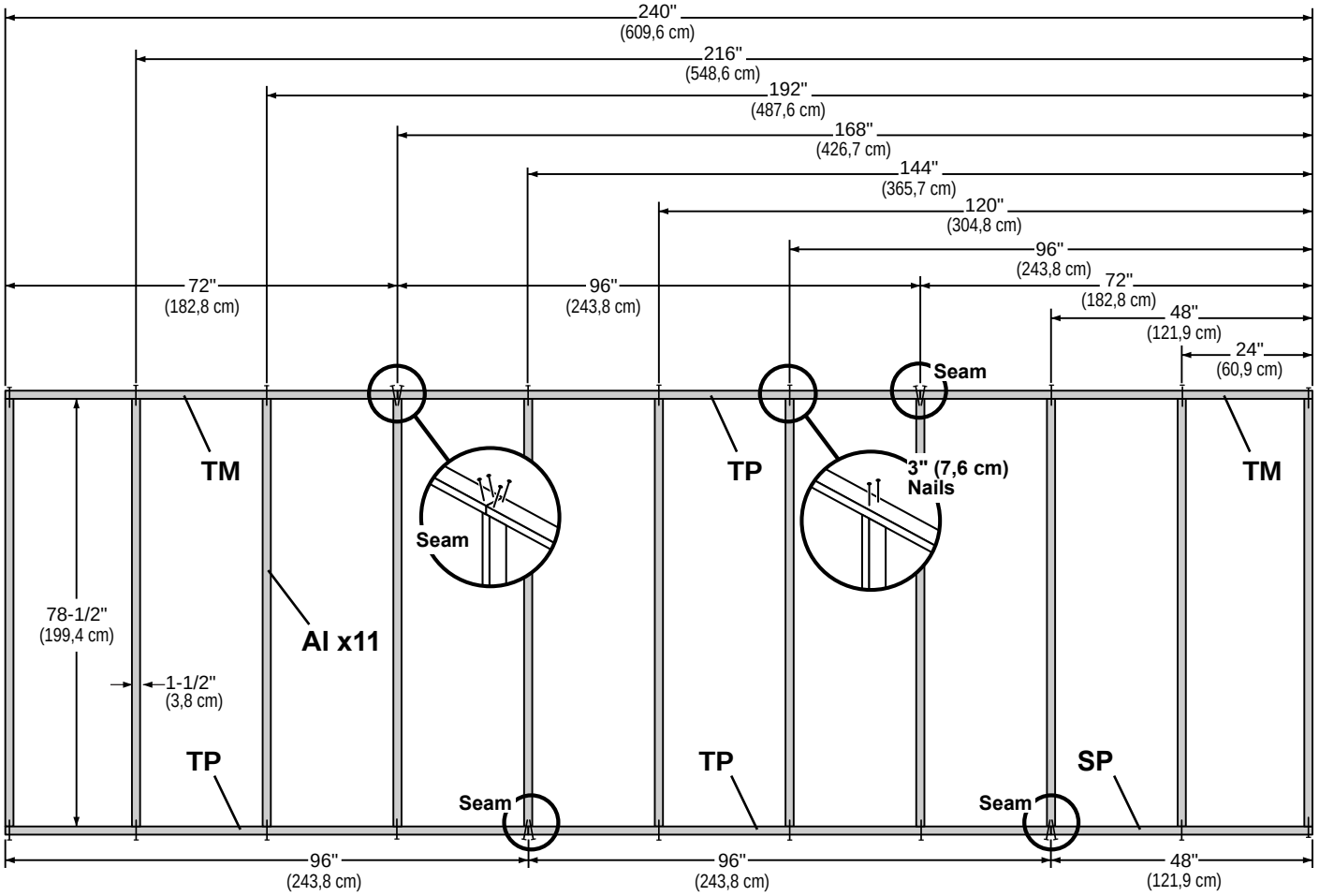
x3 TP 2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)



BEGIN

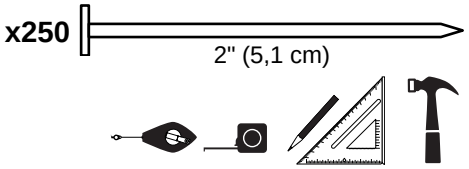
1 Arrange parts on edge on floor. Measure and mark from end of boards. Secure with (2) 3" nails at each connection and (4) 3" nails at seams.





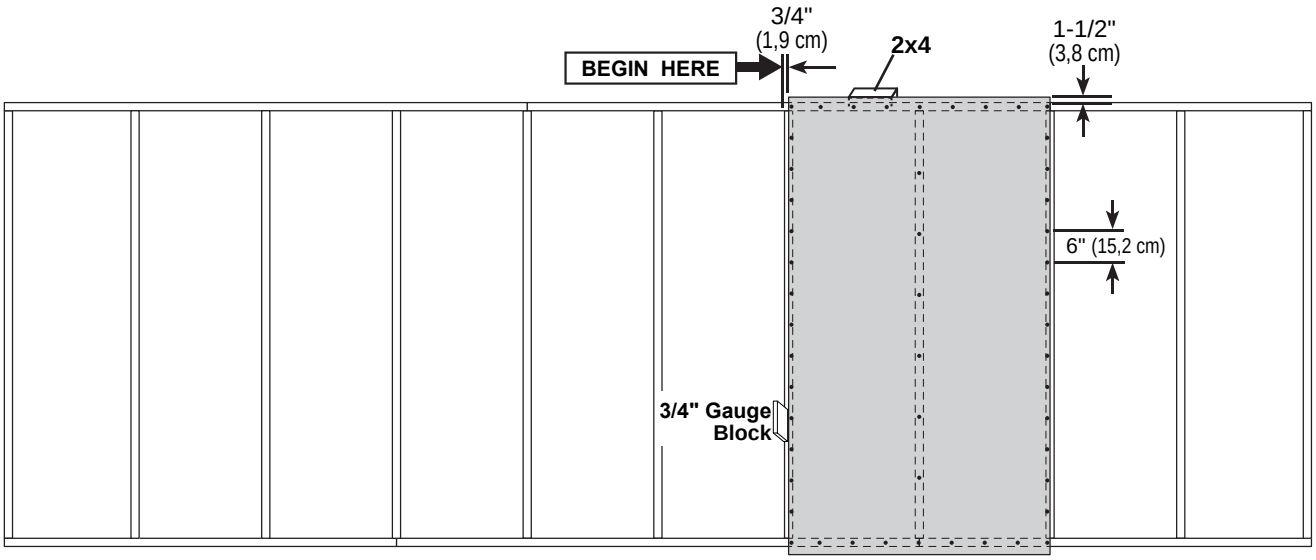
12' WALL 04

PARTS REQUIRED:

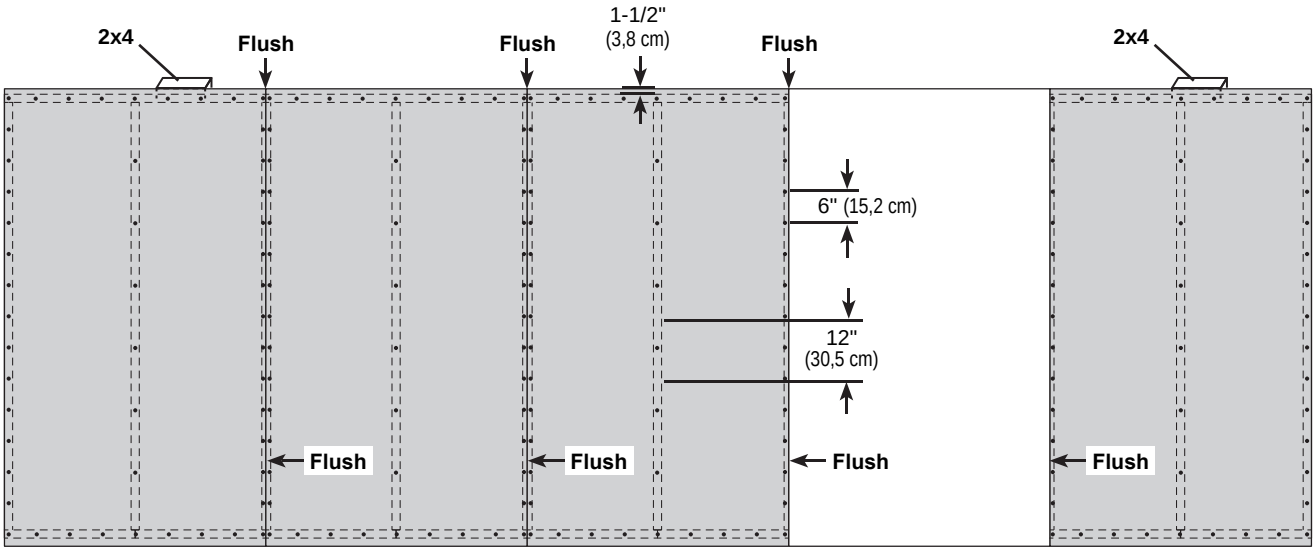


Install panels with the primed side facing up.

2 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.



3 Install (4) **48" x 84"** panels, as shown, flush to installed panels and 1-1/2" from the top plate. Secure panels with 2" nails spaced 6" apart on edges and 12" apart inside panel.



FINISH

Your 20' wall 04 is now assembled.
Carefully flip the wall over.

20' WALL 05

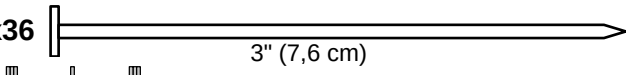
PARTS REQUIRED:

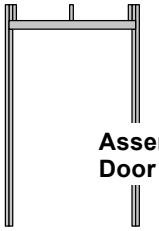
x2 **STL**
2 x 4 x 44-1/2" (5,1 x 10,2 x 113 cm)

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

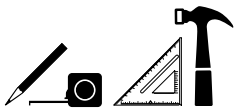
x2 **TJ**
2 x 4 x 92-1/2" (5,1 x 10,2 x 235 cm)

x36



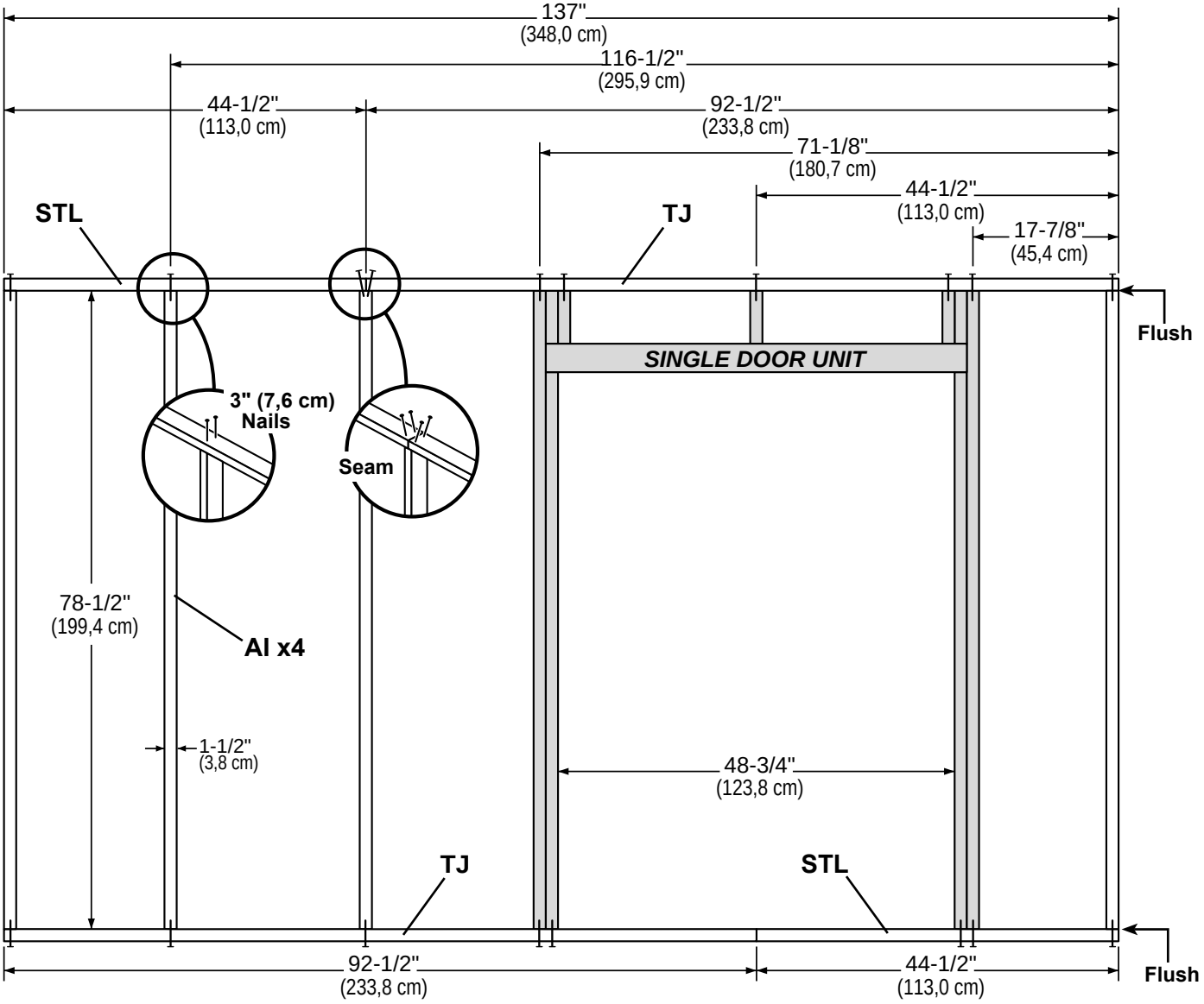


Assembled Single Door Unit



BEGIN

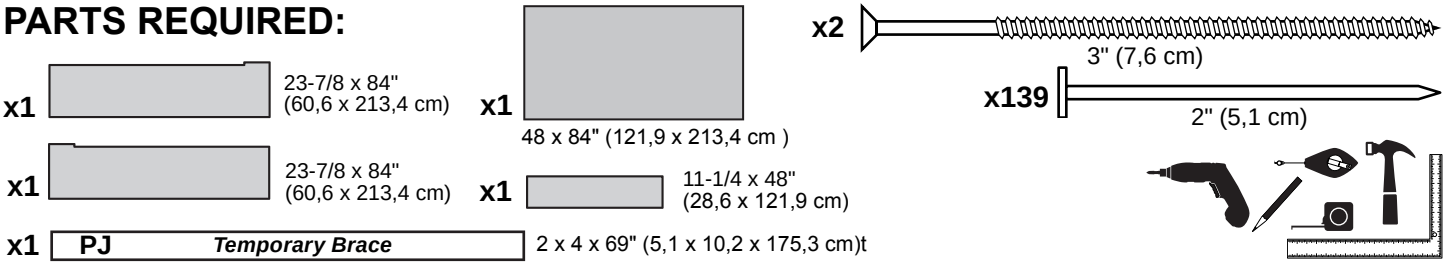
1 Arrange parts on edge on floor, as shown. Measure and mark from end of boards. Secure parts with (2) 3" nails at each connection and (4) 3" nails at seam.



2 Install the **Single Door Unit** at measurements shown. Secure parts with (2) 3" nails at each connection.

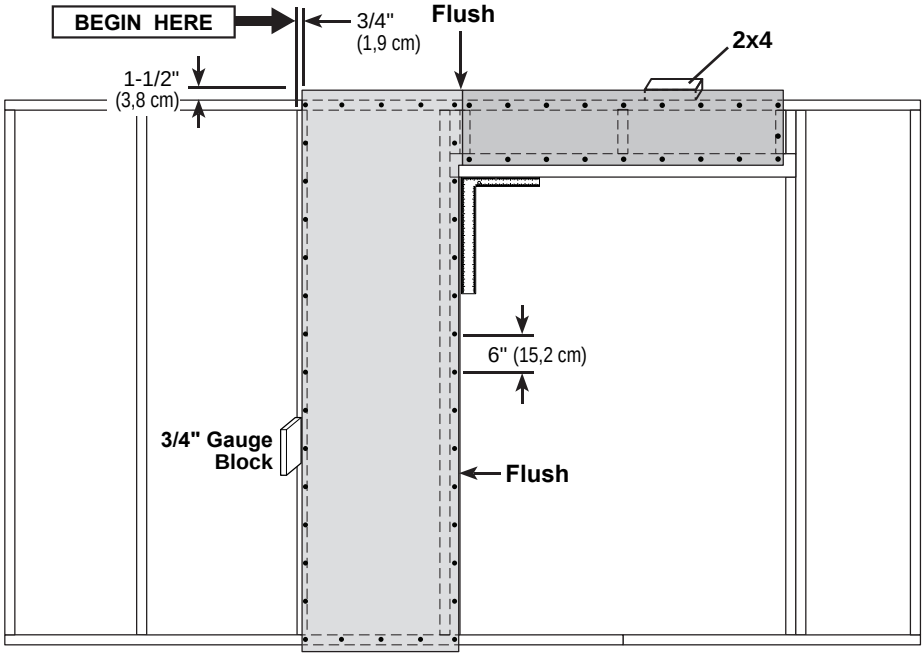
12' WALL 05

PARTS REQUIRED:



3

Install the left **23-7/8" x 84"** panel at 3/4" along the stud and 1-1/2" from the top plate. Secure panel with 2" nails spaced 6" apart on edges. ***Check for squareness during nailing.***



4

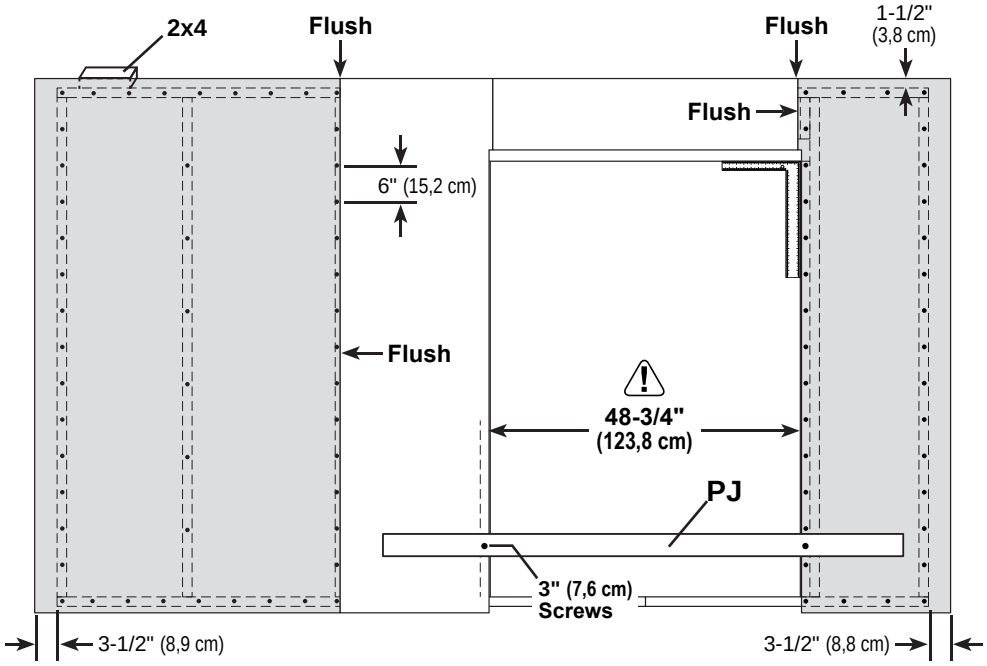
Install **11-1/4" x 48"** panel at flush to installed panel and 1-1/2" from the top plate. Use a 2x4 spacer for consistent measurement. Secure panel with 2" nails spaced 6" apart on edges.

5

Install (1) **48" x 84"** panel and the right **23-7/8" x 84"** panel flush to installed panels, as shown.

Ensure the 48-3/4" (123,8 cm) door measurement.

Secure panels with 2" nails spaced 6" apart on edges and 12" inside panel.
Check for squareness during nailing.



6

Install **PJ** as a temporary brace centered across door opening. Secure with (2) 3" screws into wall framing, as shown.

FINISH

Your 12' wall 05 is now assembled. Carefully flip the wall over.

20' WALL 06

PARTS REQUIRED:

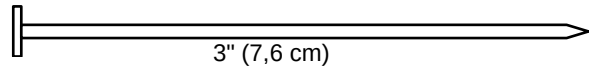
x1 **SP**
2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)

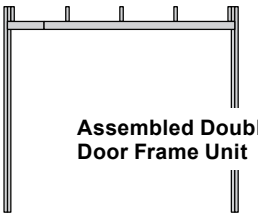
x2 **TM**
2 x 4 x 72" (5,1 x 10,2 x 182,8 cm)

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

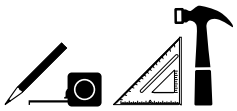
x3 **TP**
2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

x44



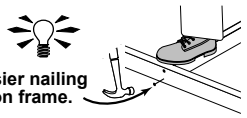


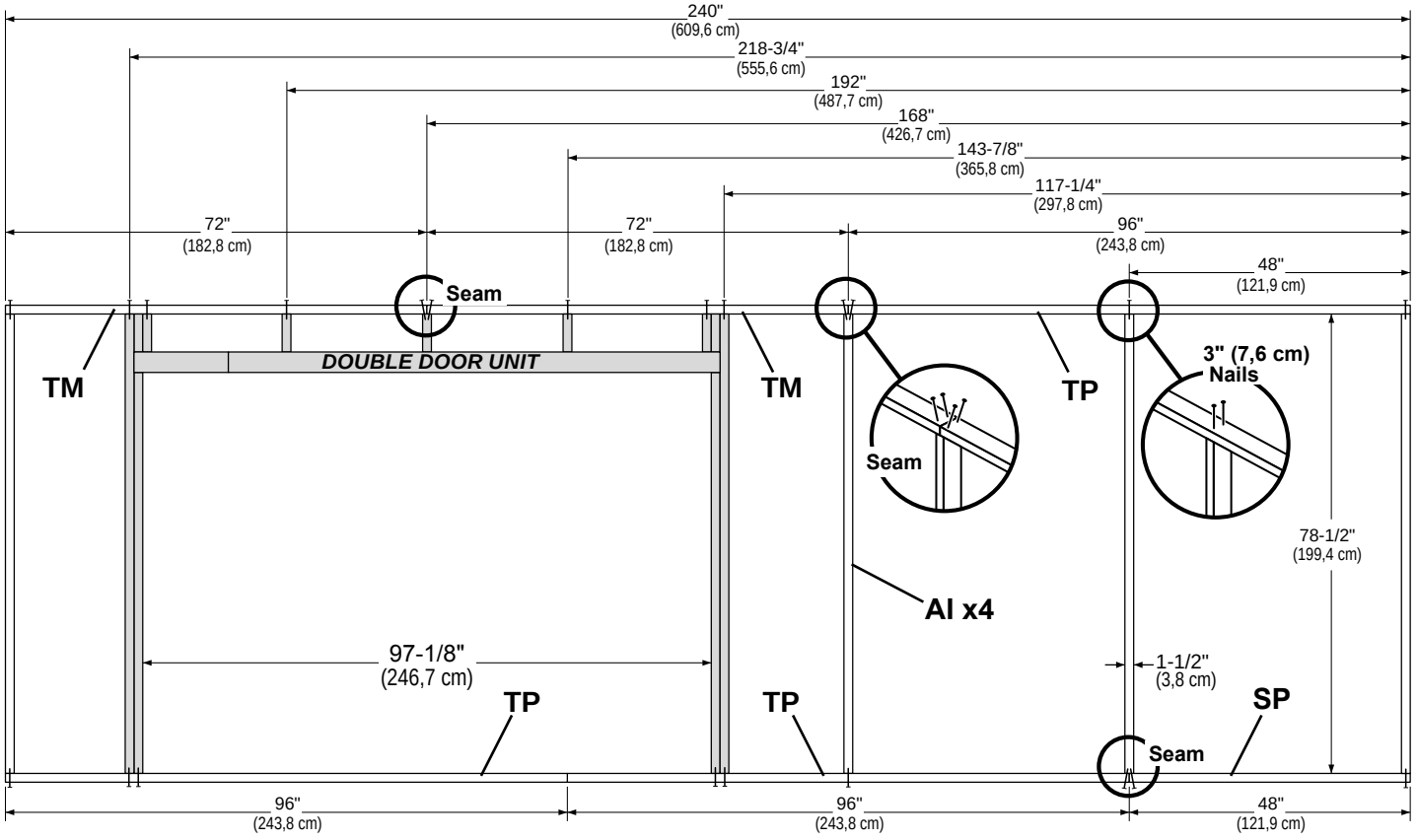
Assembled Double Door Frame Unit



BEGIN

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

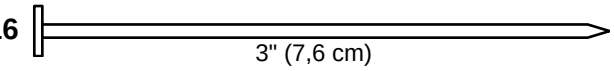




20' WALL 06

PARTS REQUIRED:

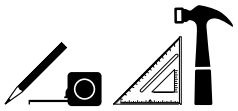
x16



3" (7,6 cm)

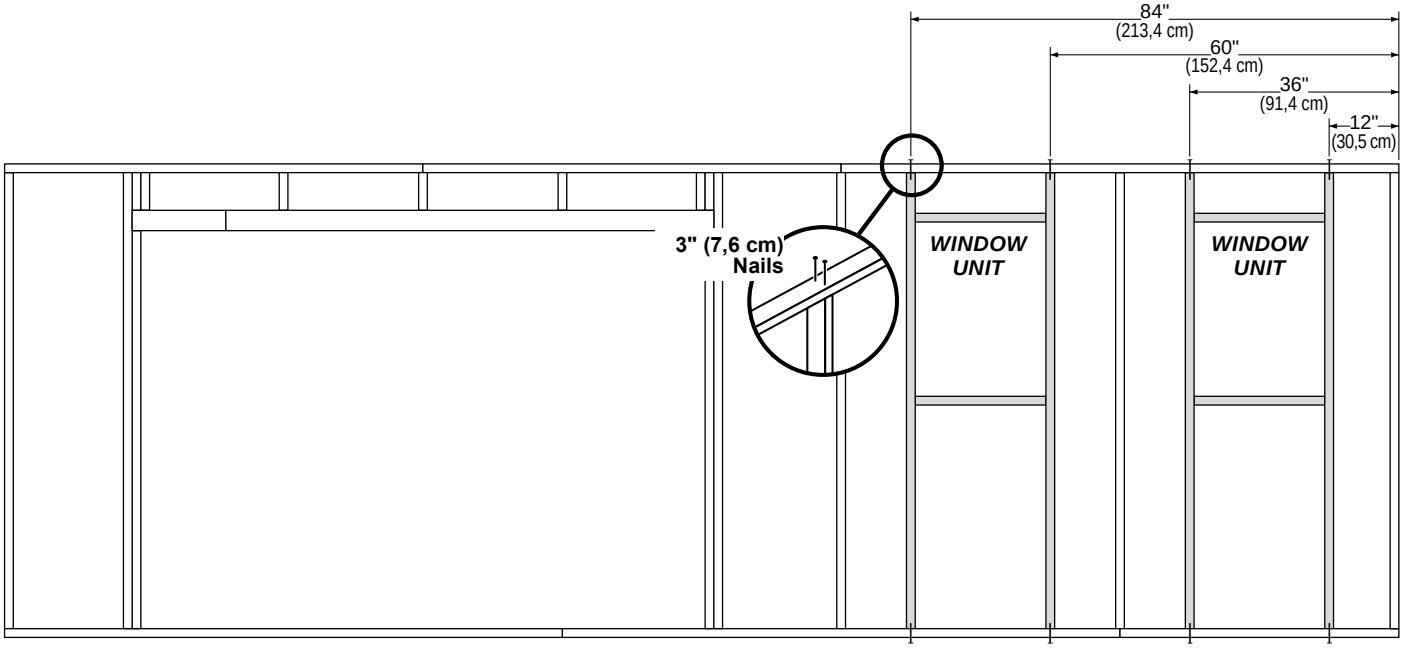
Assembled Window Unit

x2



2 Install (2) window frame units at measurements shown.
Measure and mark from end of boards.
Secure parts with (2) 3" nails at each connection.

HINT:
For easier nailing stand on frame.



20' WALL 06

PARTS REQUIRED:

x2 — 11-1/4 x 48" (28,6 x 121,9 cm)

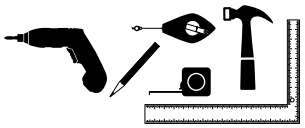
x1 — 23-7/8 x 84" (60,6 x 213,4 cm)

x1 — 23-7/8 x 84" (60,6 x 213,4 cm)

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

x6 — 3" (7,6 cm)

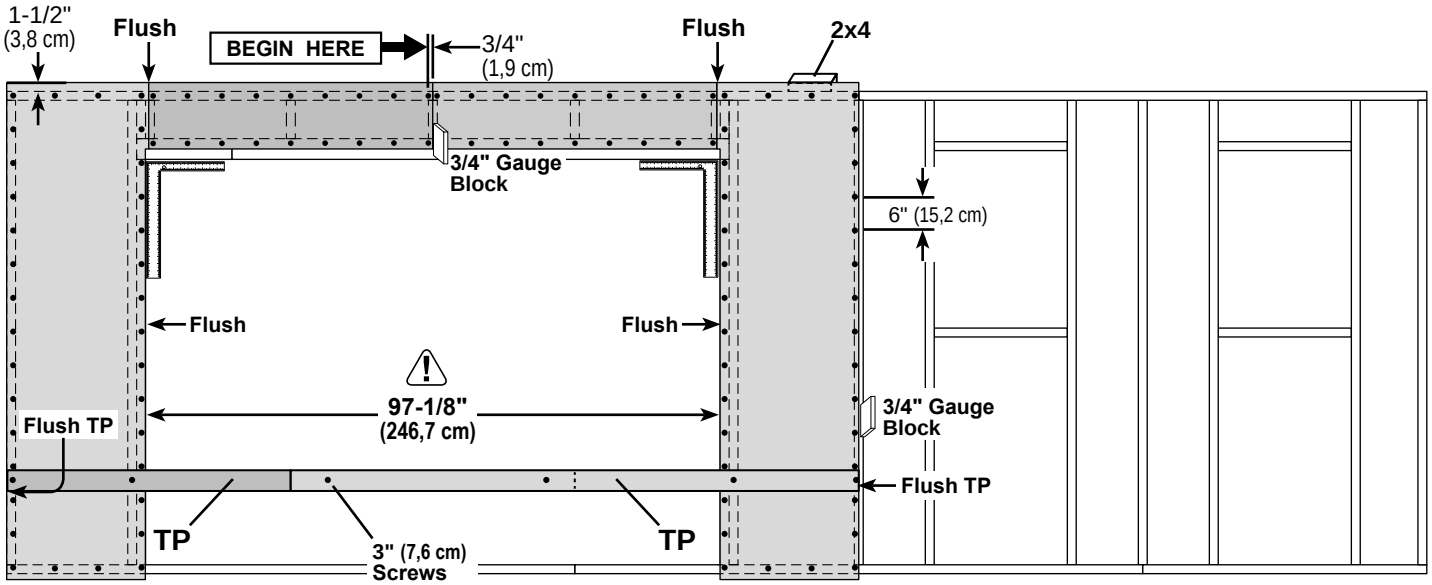
x110 — 2" (5,1 cm)



3 Install panels in the following order:

1. (2) 11-1/4 x 48" over-door panels. ***Use the gauge block for consistent 3/4" measurement.***
2. (2) 23-7/8 x 96" right door panels.
4. (1) 48 x 96" window panel

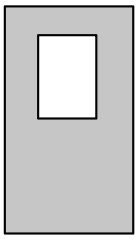
Flush all panels to installed panels and ensure 1-1/2" above the top plate.
Secure panels with 2" nails spaced 6" apart on edges.
Ensure the 97-1/8" (246,7 cm) door measurement.

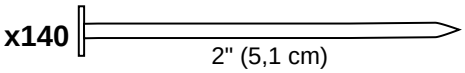


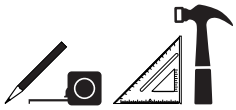
4 Stack (2) **TP** as temporary bracing. Fasten together with (2) 3" screws.
Install assembled brace centered across door opening.
Ensure the 97-1/8" (246,7 cm) door measurement.
Secure with (4) 3" screws into wall framing, as shown.

20' WALL 06

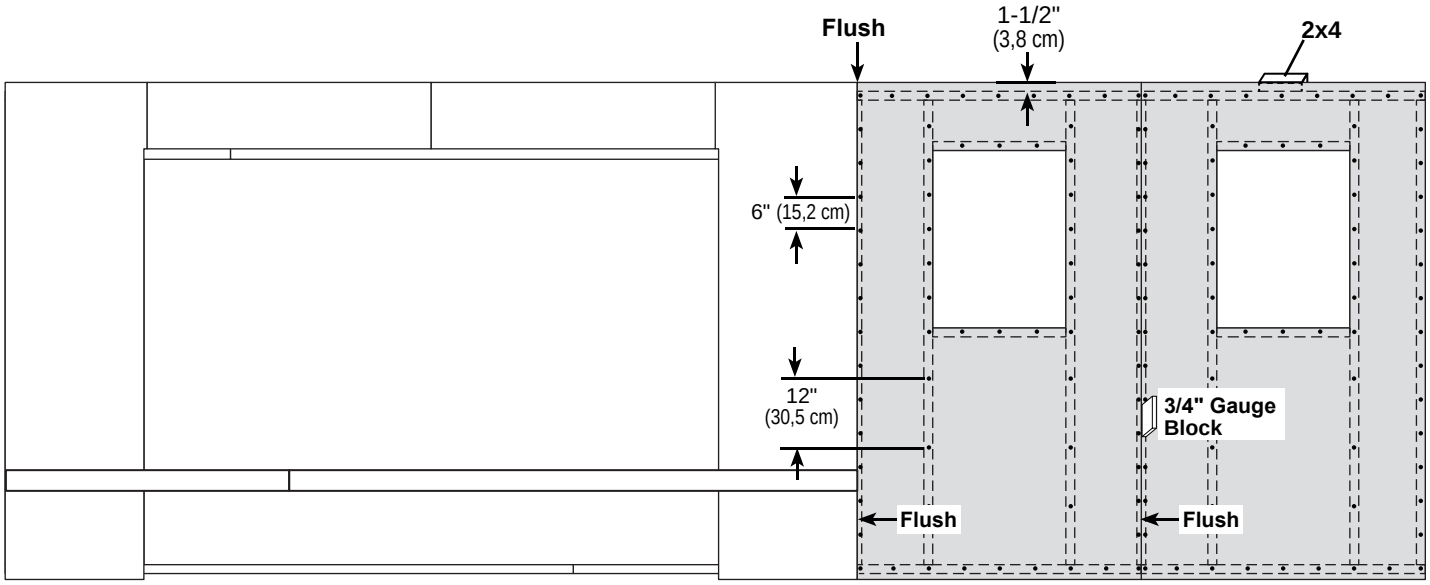
PARTS REQUIRED:







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



FINISH

Your 20' wall 06 is now assembled.
Carefully flip the wall over.

20' WALL 07

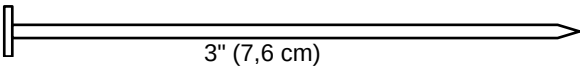
PARTS REQUIRED:

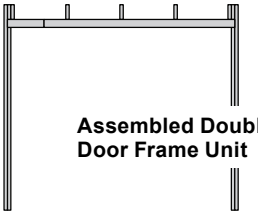
x2 **TM**
2 x 4 x 72" (5,1 x 10,2 x 182,8 cm)

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

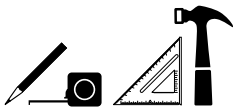
x3 **TP**
2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

x42



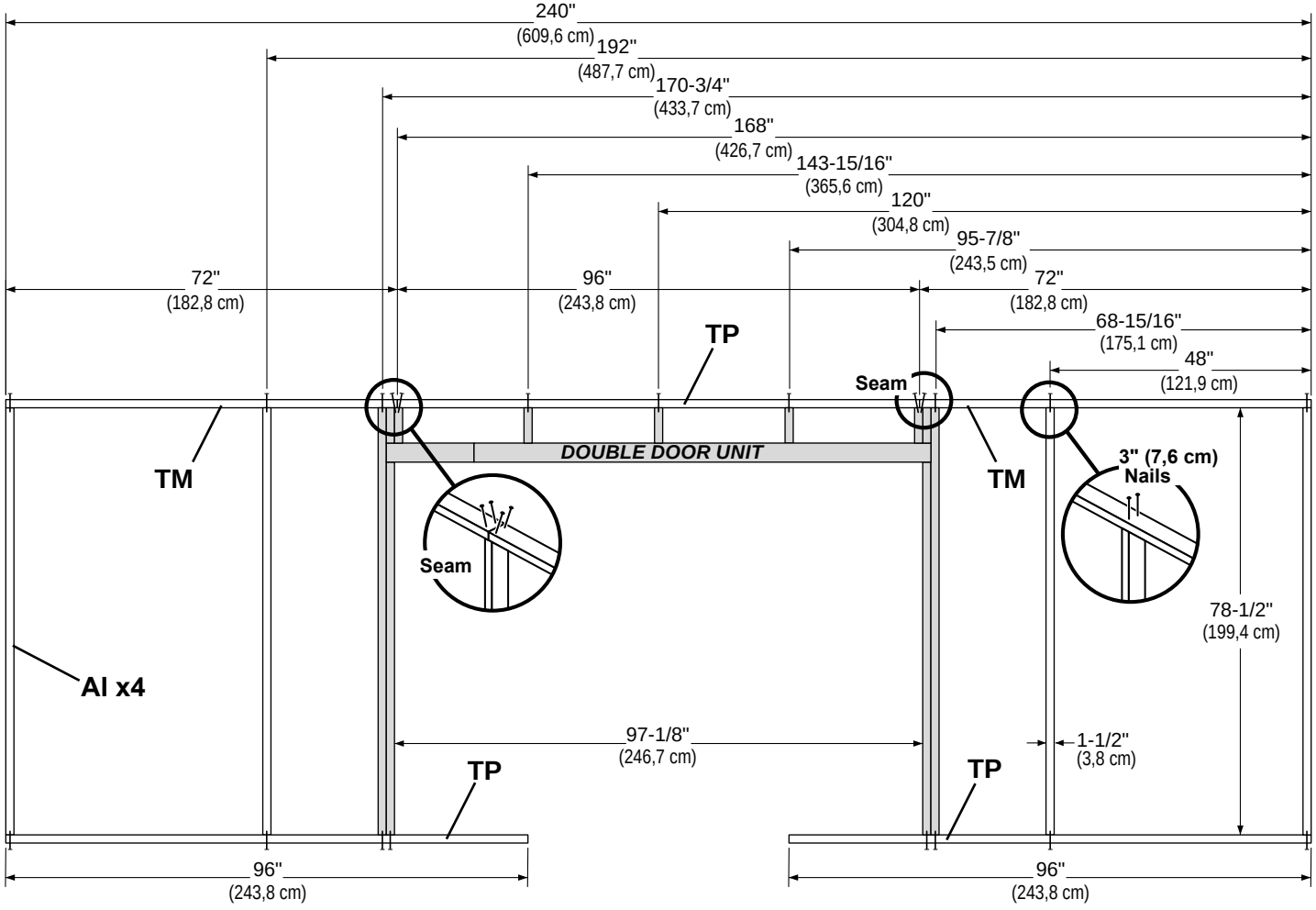


Assembled Double Door Frame Unit



BEGIN

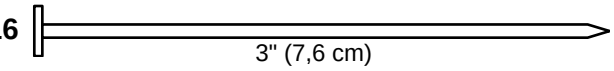
1 Arrange parts on edge on floor, as shown. Measure and mark from end of boards. Secure parts with (2) 3" nails at each connection and (4) 3" nails at seams.



20' WALL 07

PARTS REQUIRED:

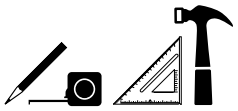
x16



3" (7,6 cm)

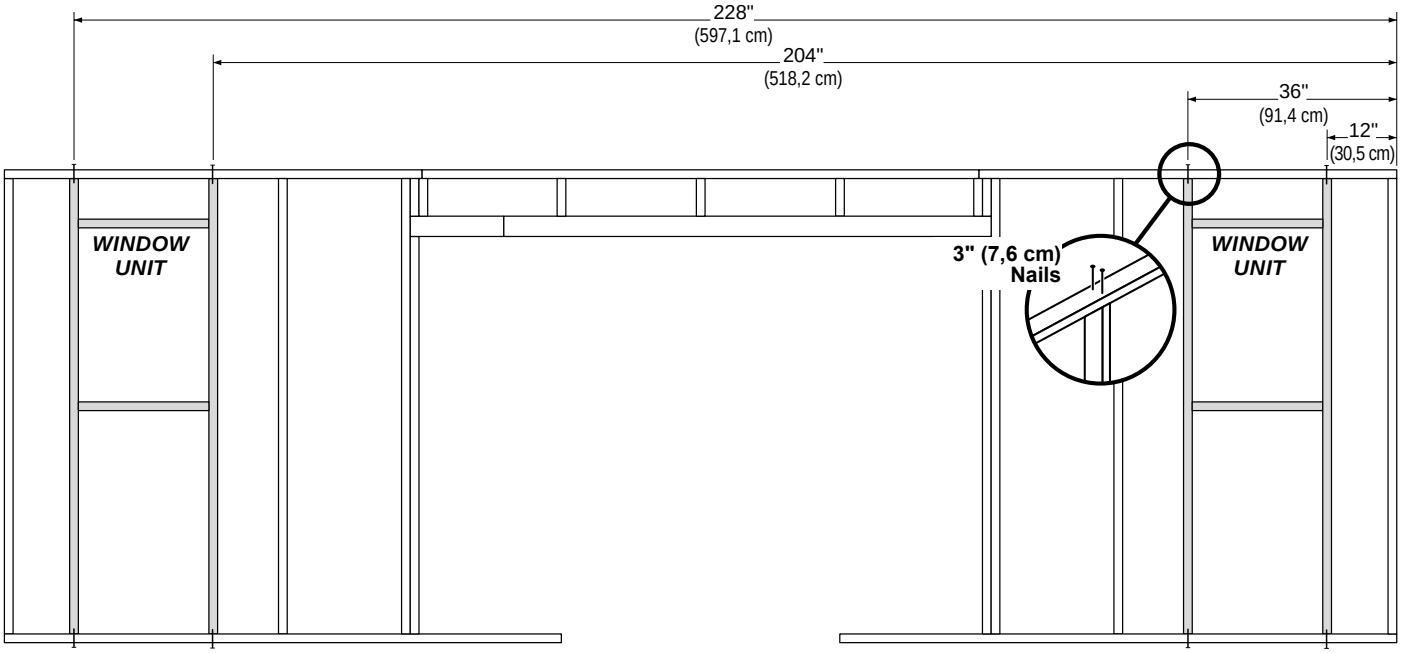
Assembled Window Unit

x2



2 Install (2) window frame units at measurements shown.
Measure and mark from end of boards.
Secure parts with (2) 3" nails at each connection.

HINT:
For easier nailing stand on frame.



20' WALL 07

PARTS REQUIRED:

x2 — 11-1/4 x 48" (28,6 x 121,9 cm)

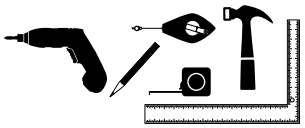
x1 — 23-7/8 x 84" (60,6 x 213,4 cm)

x1 — 23-7/8 x 84" (60,6 x 213,4 cm)

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

x6 — 3" (7,6 cm)

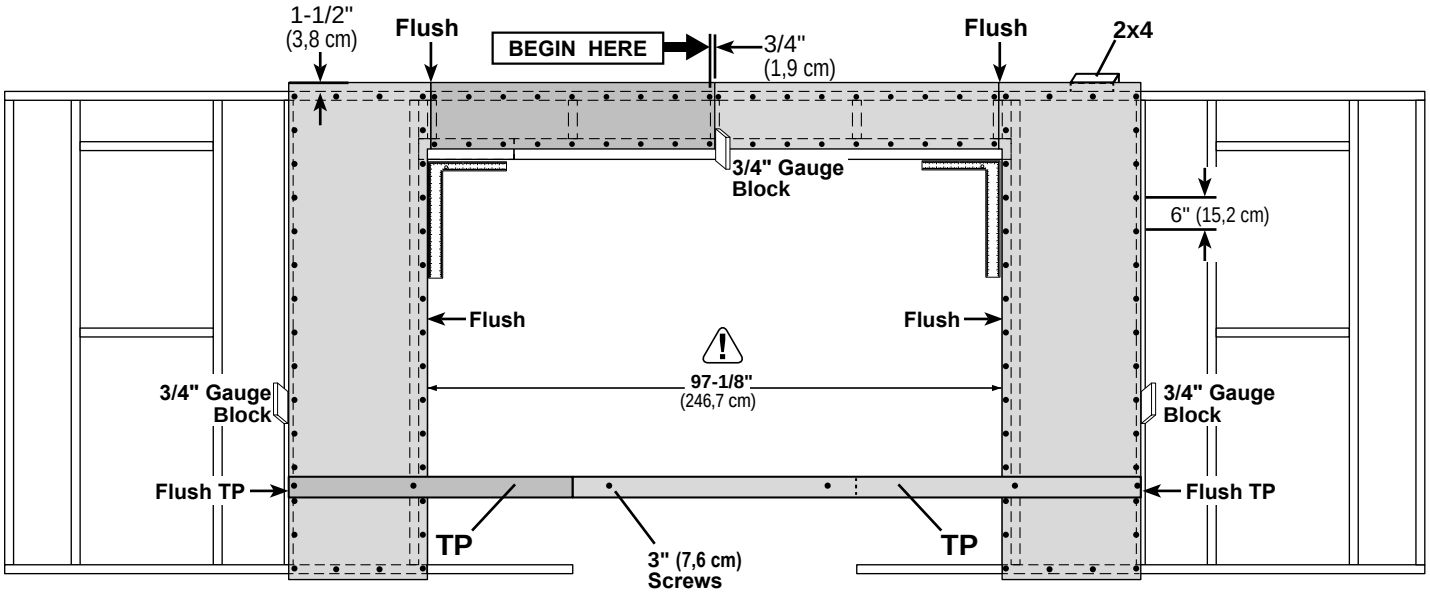
x110 — 2" (5,1 cm)



3 Install panels in the following order:

1. (2) 11-1/4 x 48" over-door panels. ***Use the gauge block for consistent 3/4" measurement.***
2. (2) 23-7/8 x 96" right door panels.
3. (1) 48 x 96" window panel

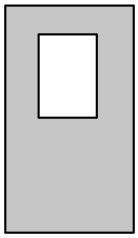
Flush all panels to installed panels and ensure 1-1/2" above the top plate.
Secure panels with 2" nails spaced 6" apart on edges.
Ensure the 97-1/8" (246,7 cm) door measurement.

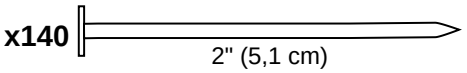


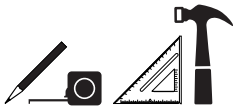
4 Stack (2) **TP** as temporary bracing. Fasten together with (2) 3" screws.
Install assembled brace centered across door opening.
Ensure the 97-1/8" (246,7 cm) door measurement.
Secure with (4) 3" screws into wall framing, as shown.

20' WALL 07

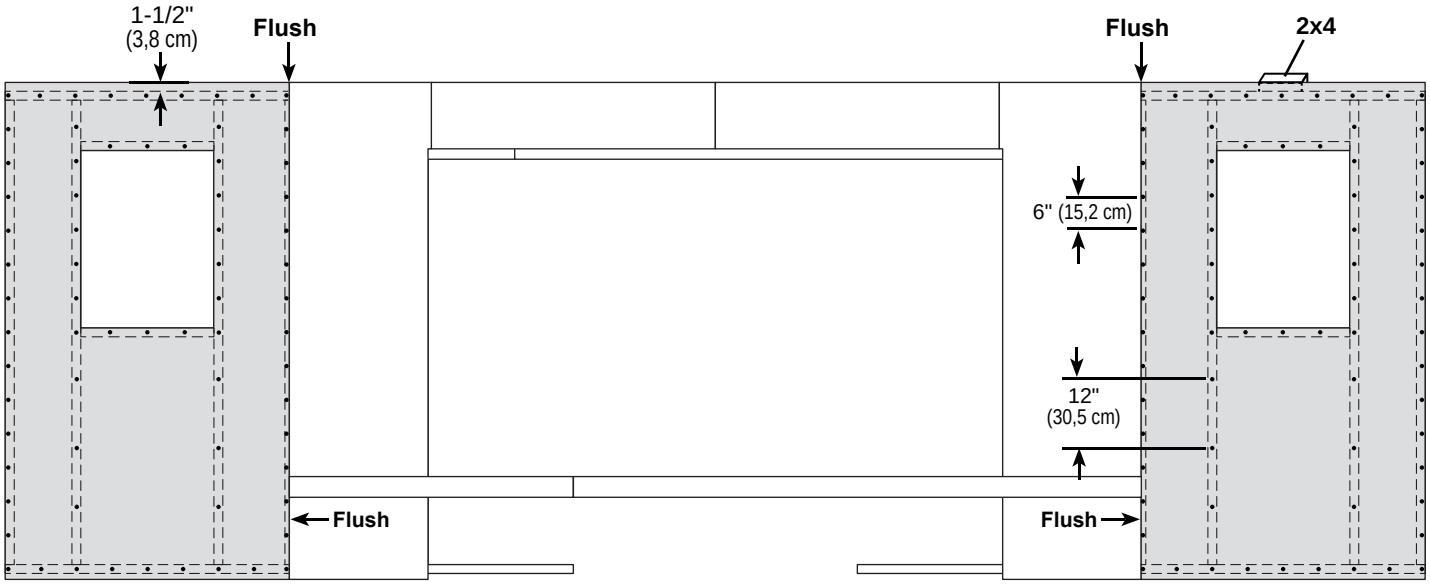
PARTS REQUIRED:







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



FINISH

Your 20' wall 07 is now assembled.
Carefully flip the wall over.

20' WALL 03, 06 or 07 INSTALLATION

PARTS REQUIRED

x37 — 2" (5,1 cm)

x20 — 3" (7,6 cm)

x4 — 3" (7,6 cm)

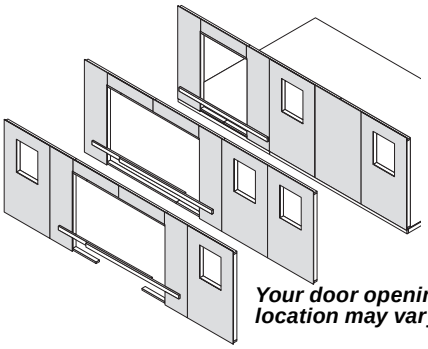
x2 **TP** *Temporary Support*
2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

BEGIN

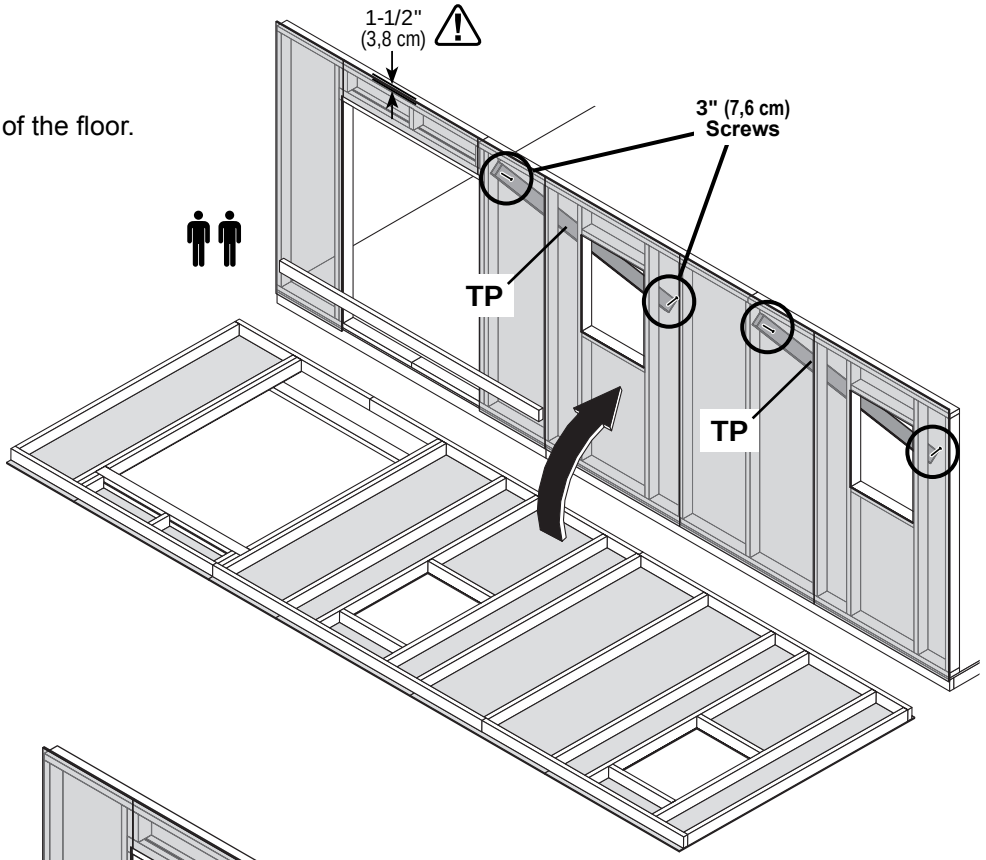
1

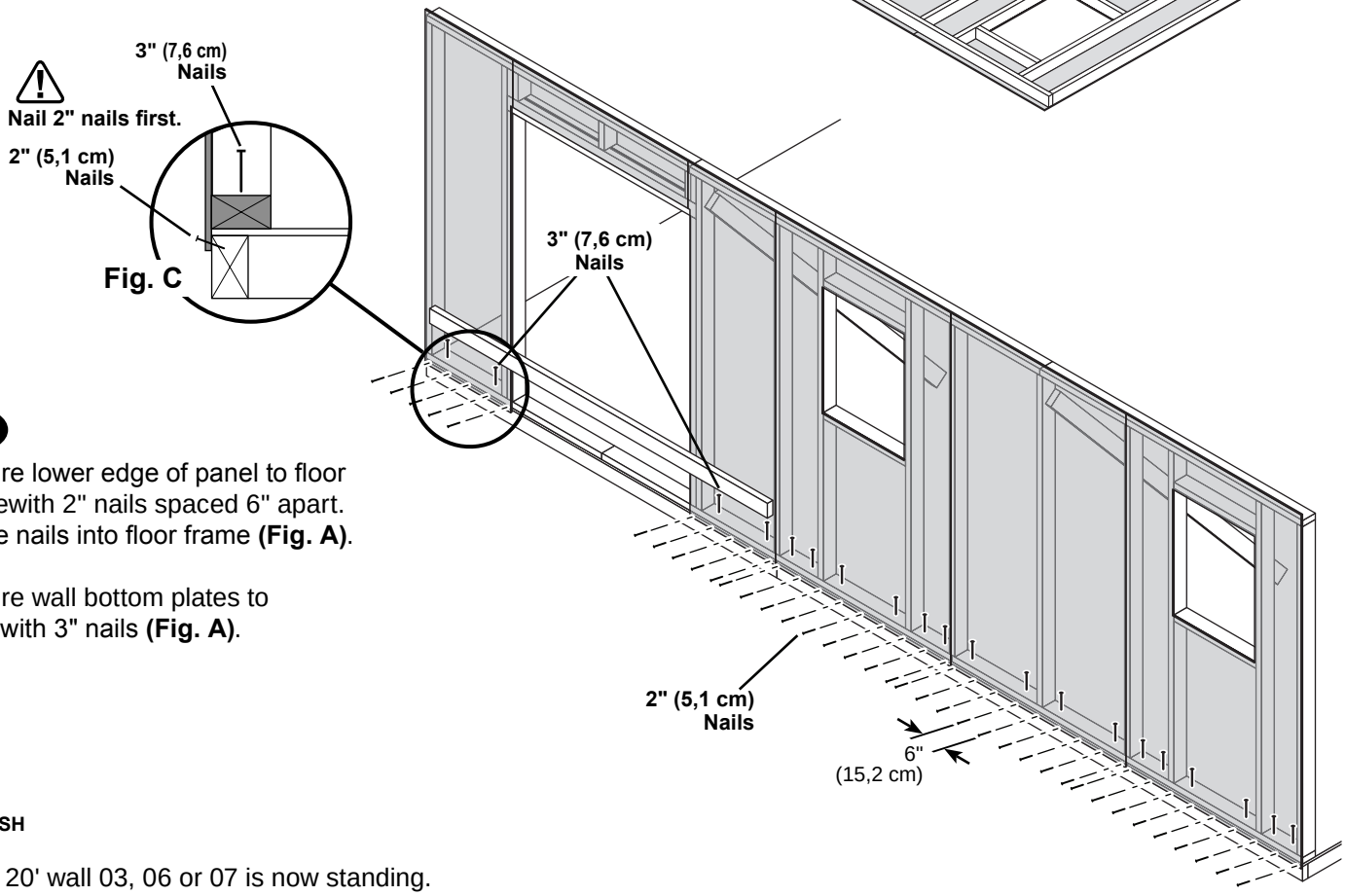
Center 20' eave wall on the eave side of the floor.
1-1/2" overlap is to the top.

Use (2) **TP** as a temporary braces.
Secure each with (2) 3" screws.



Your door opening location may vary.





2

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

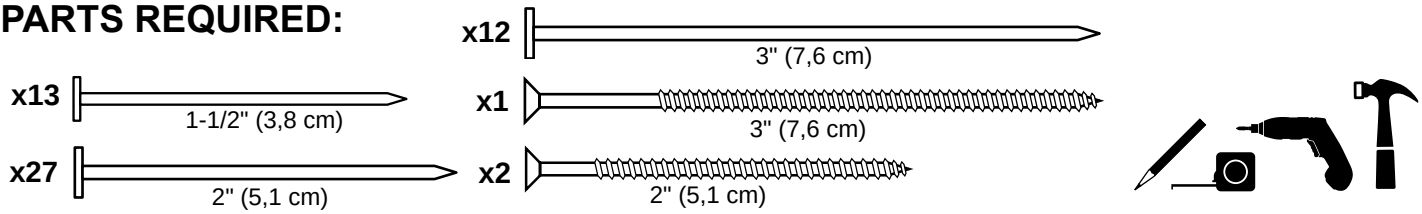
Secure wall bottom plates to floor with 3" nails **(Fig. A)**.

FINISH

Your 20' wall 03, 06 or 07 is now standing.

12' WALL 02 INSTALLATION

PARTS REQUIRED:



BEGIN

1

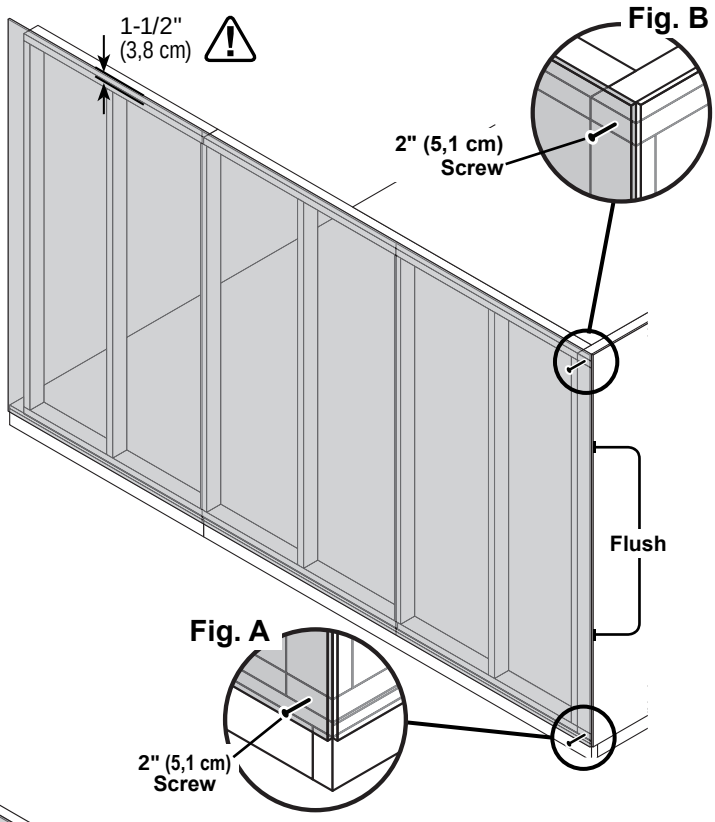
Center 12' wall on floor.

1-1/2" overlap is to the top.

Secure wall with (1) 2" screw into 20' wall bottom plate **(Fig. A)** and top plate **(Fig. B)**.

Secure wall to bottom plate first.

⚠ **ENSURE PANEL CORNERS ARE FLUSH.**



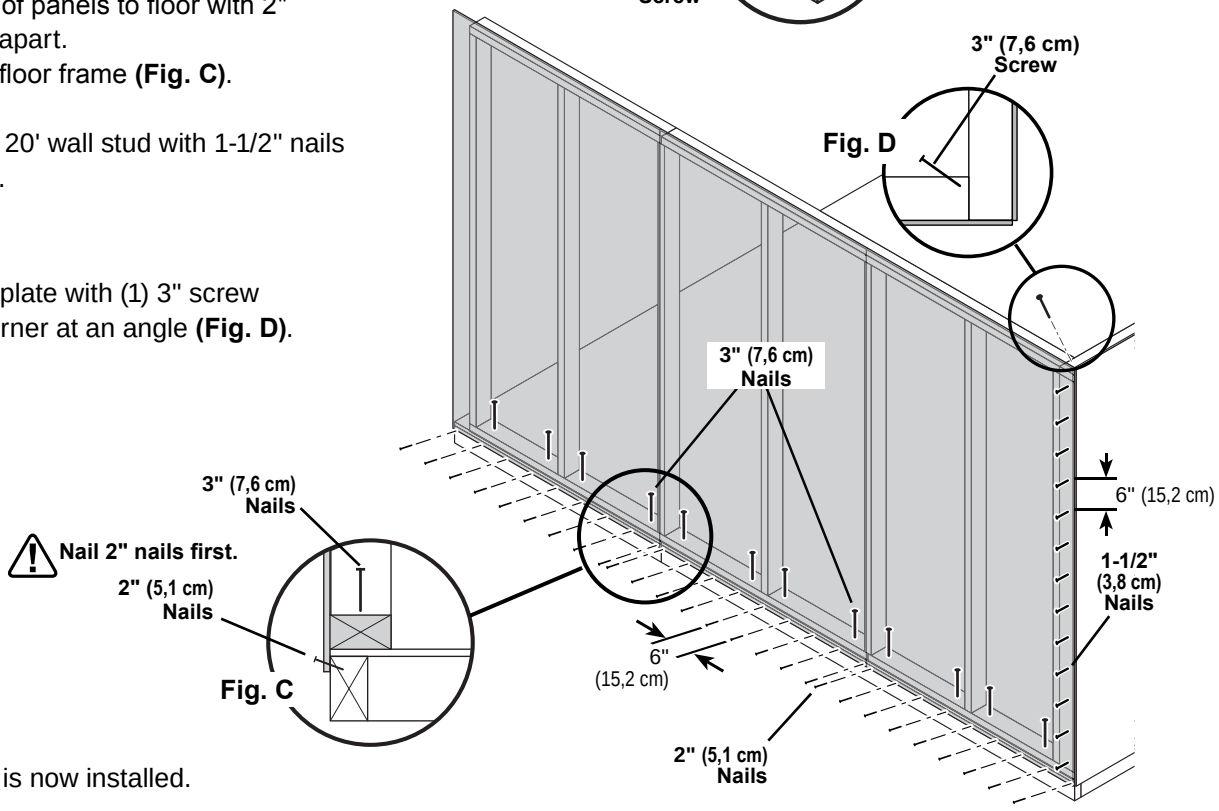
2

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

Secure panel to 20' wall stud with 1-1/2" nails spaced 6" apart.

3

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



FINISH

Your 12' wall 02 is now installed.

(2nd) 20' WALL 04 INSTALLATION

PARTS REQUIRED:

x2 — 2" (5,1 cm)

x20 — 3" (7,6 cm)

x45 — 2" (5,1 cm)

x3 — 3" (7,6 cm)

x13 — 1-1/2" (3,8 cm)

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

BEGIN

1

Install 20' wall centered on floor.
1-1/2" overlap is to the top.
Use (1) **TP** as a temporary brace.
Secure with (2) 3" screws.

2

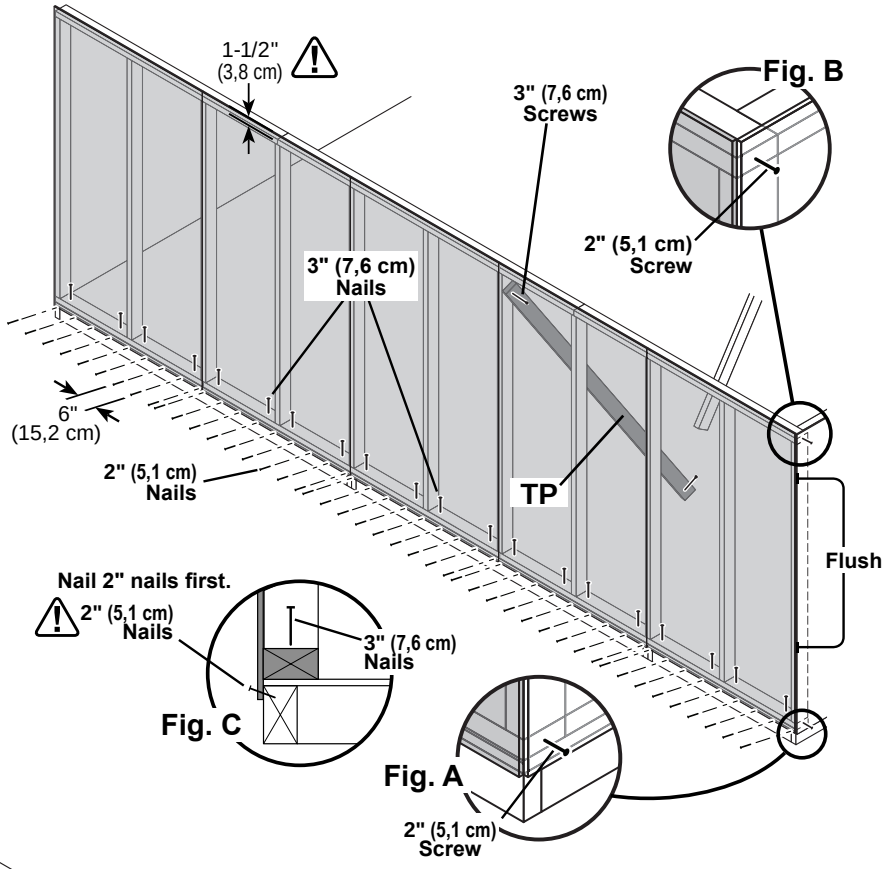
Secure wall with (1) 2" screw through 12' wall panel into 20' wall bottom and top plates **(Fig. B, Fig. A)**.
Secure wall to bottom plate first.

⚠ 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)**.

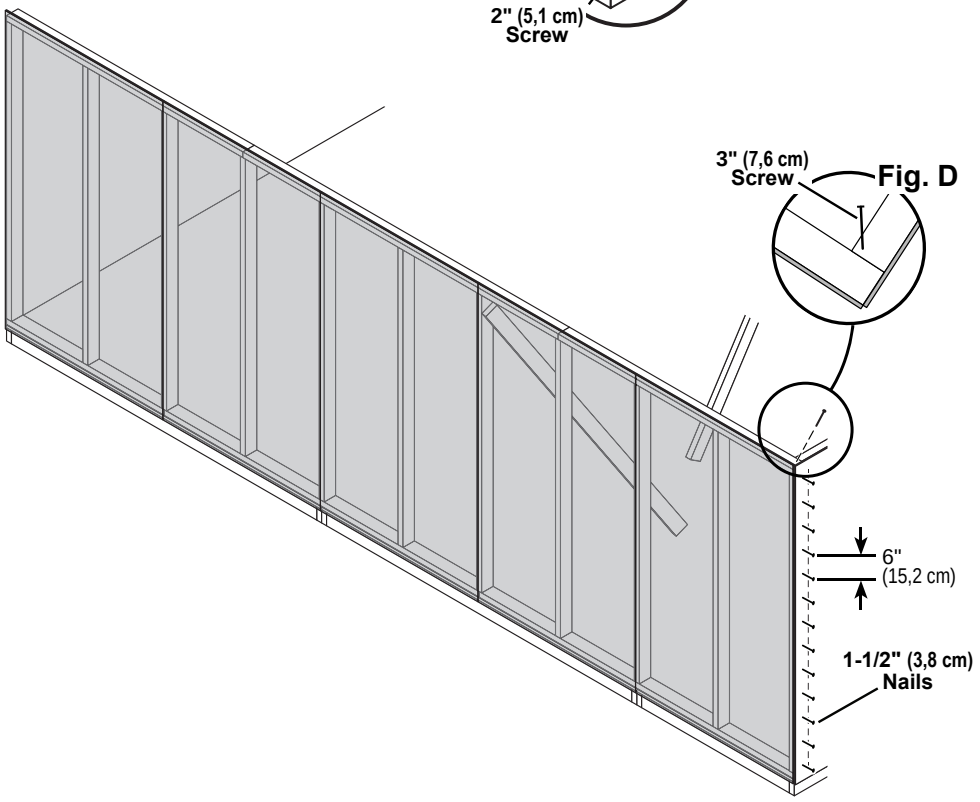


4

Secure 12' wall panel to 20' wall stud with 1-1/2" nails spaced 6" apart.

5

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

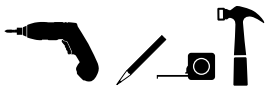


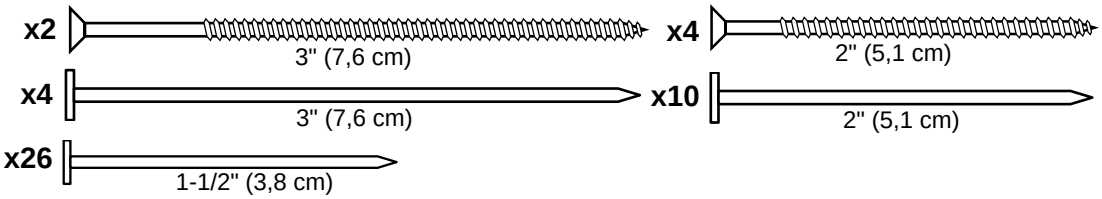
FINISH

Your 20' wall 04 is now installed.

12' WALL 01 or 05 INSTALLATION

PARTS REQUIRED





BEGIN

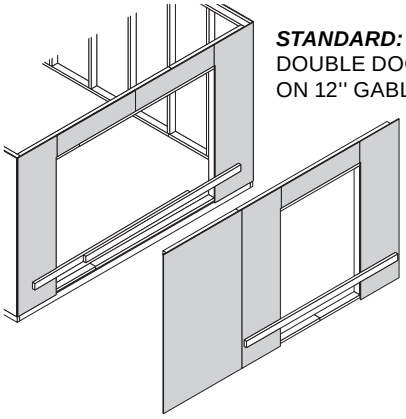
1

Place 12' wall on floor centered between 20' walls.

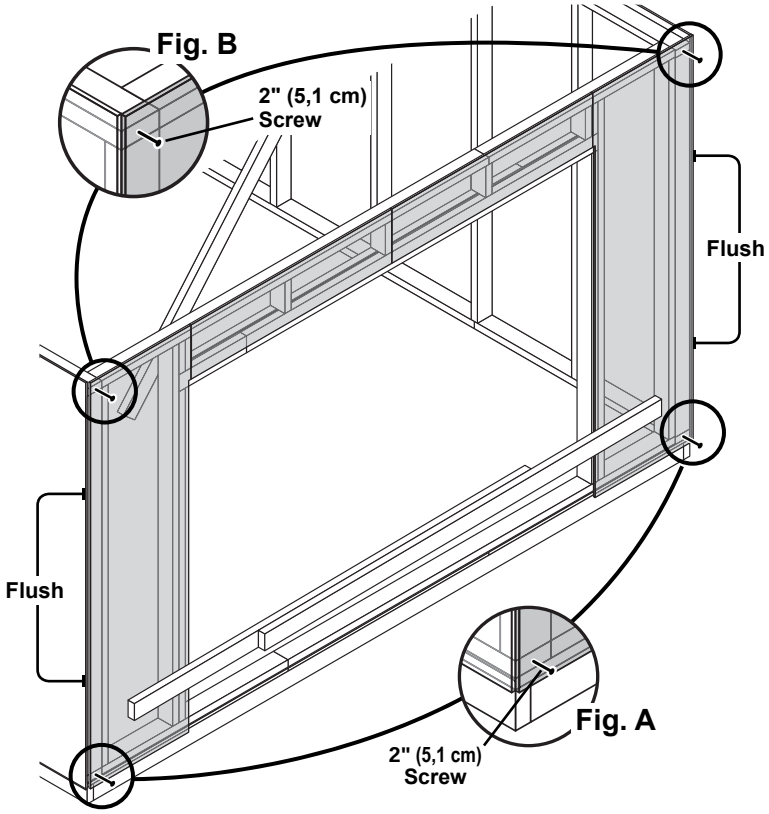
Secure wall with 2" screws into top and bottom plates **(Fig. A, Fig. B)**.

Secure wall to bottom plate first.

⚠ ENSURE PANEL CORNERS ARE FLUSH.



STANDARD:
DOUBLE DOORS LOCATED ON 12" GABLE WALL



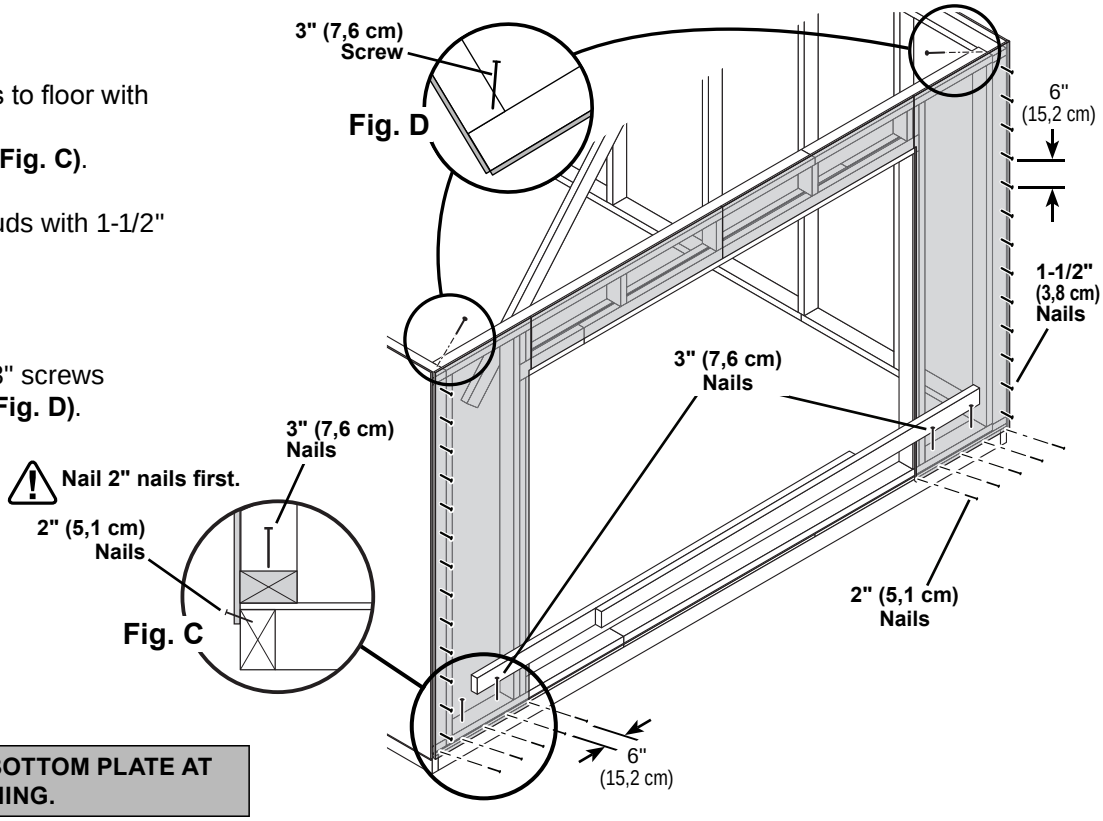
2

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

Secure panels to 20' 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:

x80 — 3" (7,6 cm)

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

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

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).**

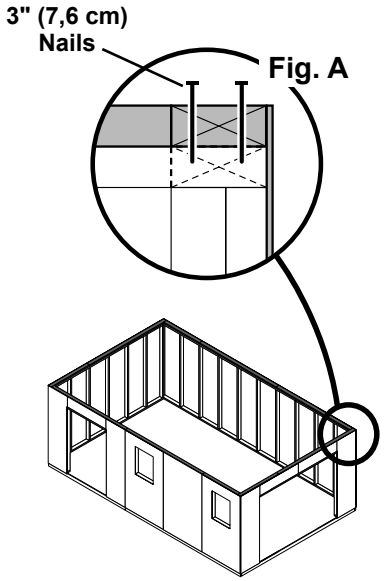
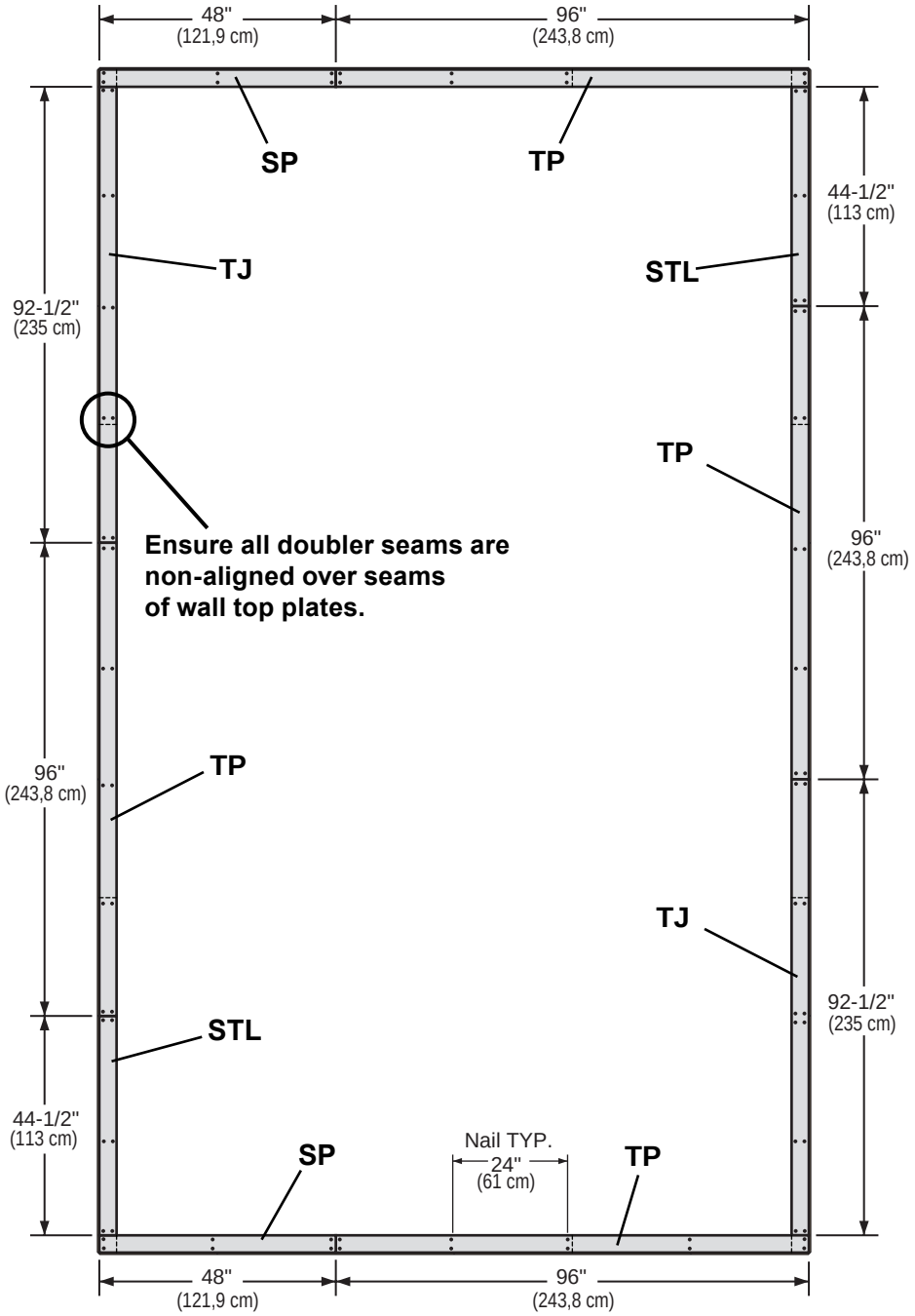


Fig. A

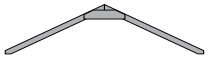


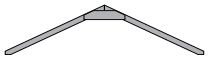
FINISH

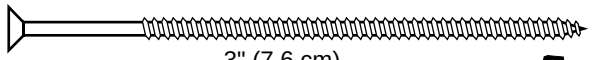
Your wall doublers are now installed.

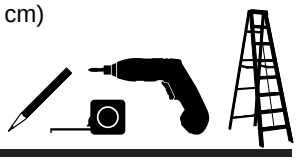
RAFTER INSTALLATION

PARTS REQUIRED:

x9  Two-Gusset Assembled

x2  One-Gusset Assembled

x44 
3" (7,6 cm)



BEGIN

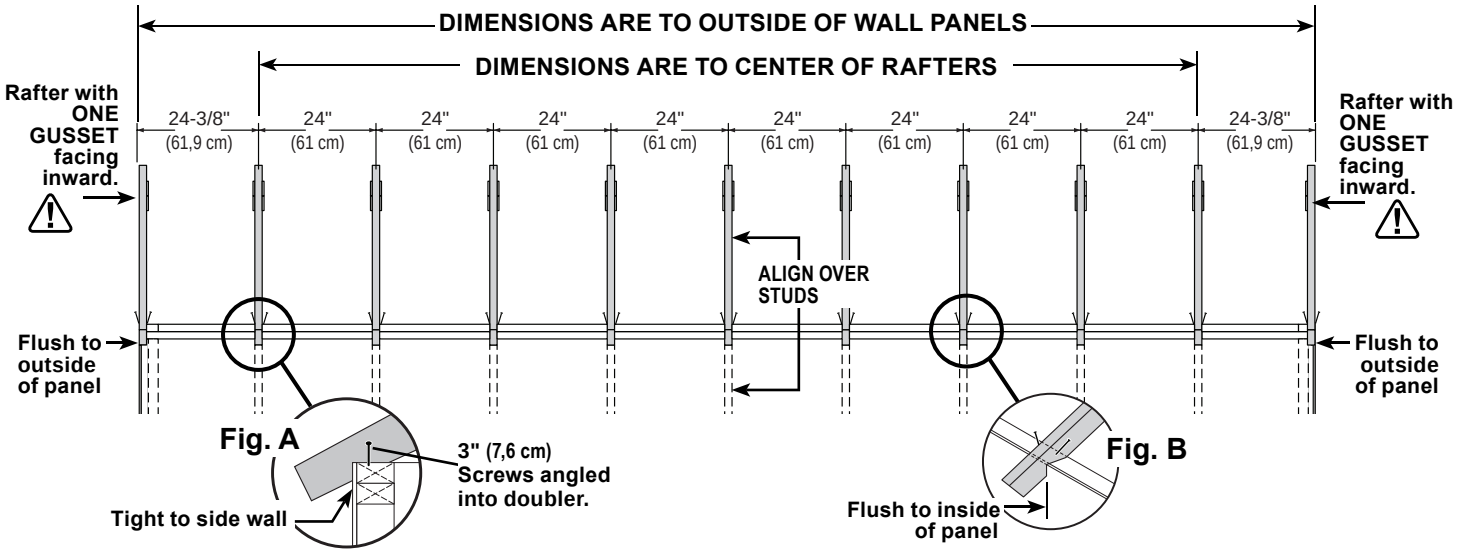
1 Align rafters over the wall studs. 

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.



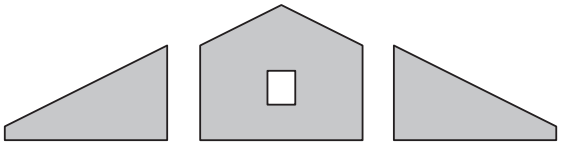
FINISH

Your rafters are now installed.

GABLE UNITS

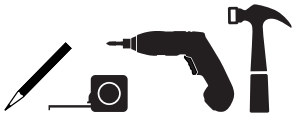
PARTS REQUIRED:

x40 1-1/2" (3,8 cm)



x2 x2 x2

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



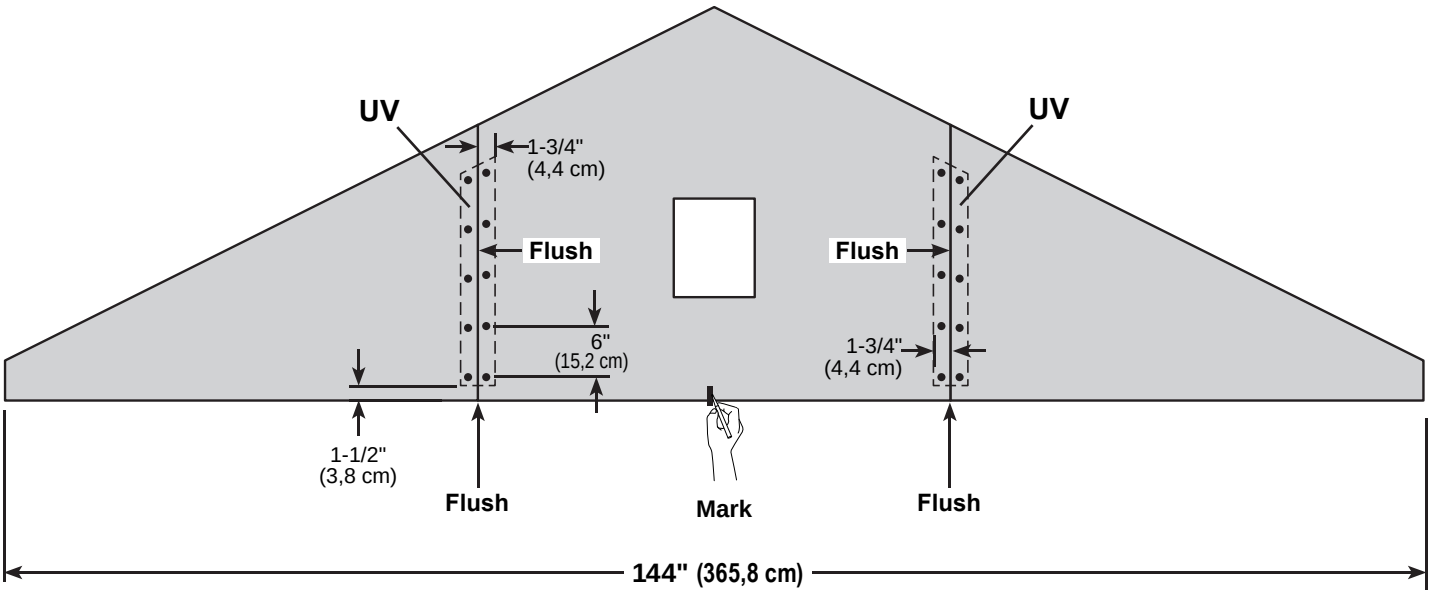
Install gable panels with the primed side facing up.

BEGIN

1 Place middle panel on (2) **UV**. Arrange parts to measurements shown.
Secure panel with 1-1/2" nails spaced 6" apart along edge.
Check measurements as you build the gable unit.

2 Place left and right panels on **UV**, flush to middle panel.
Secure panel with 1-1/2" nails spaced 6" apart along edge.

Mark the center of the middle gable panel.



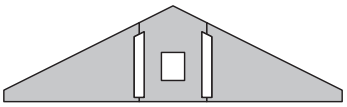
Repeat steps to assemble the 2nd gable unit.

FINISH

Your (2) gable units are now assembled.

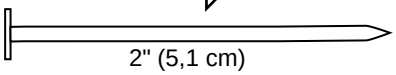
GABLE UNITS

PARTS REQUIRED:

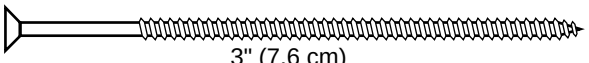


x2 Gable Units

x112



x8



x4 3/8 x 3-1/4 x 5-7/8" (1,0 x 8,3 x 14,9 cm)

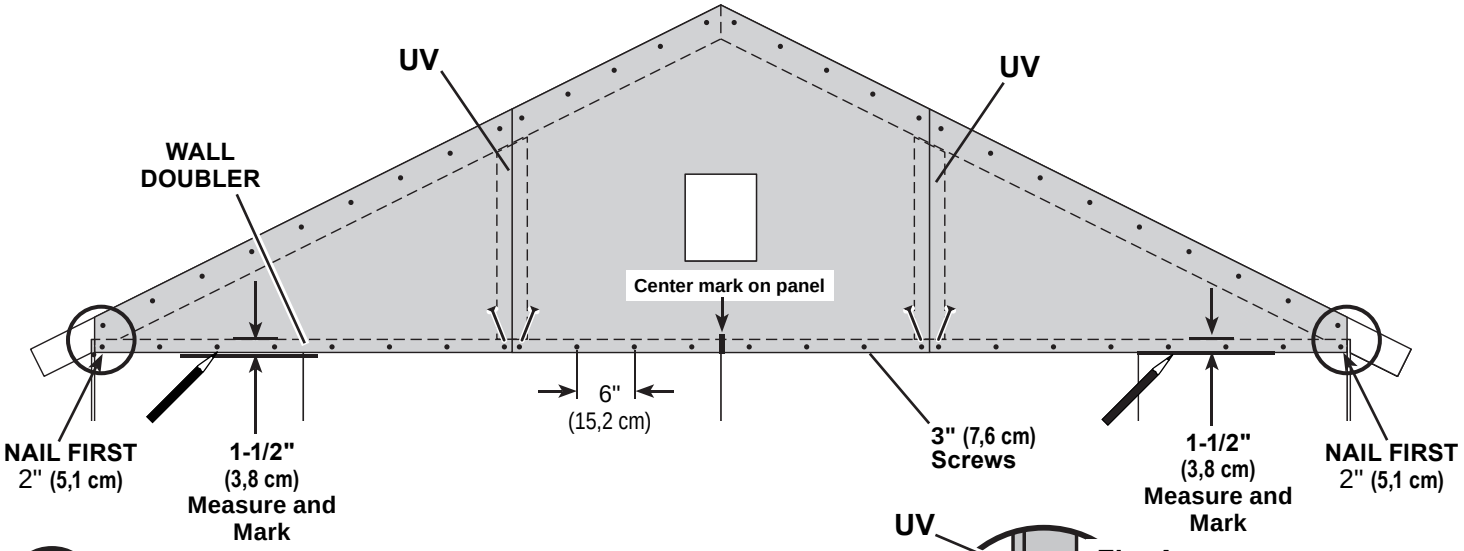
BEGIN

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.

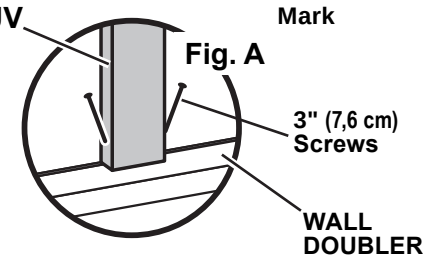
2 Continue nailing lower edge of panels to wall doubler with 2" nails spaced 6" apart.

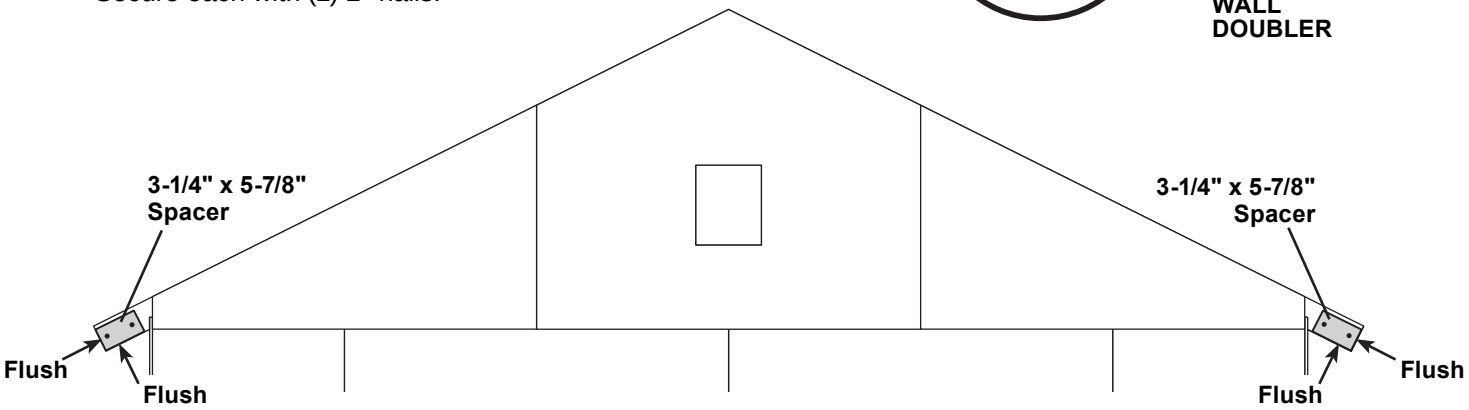
3 Working inside, secure gable unit with (2) 3" screws angled into supports **UV** at an angle **(Fig. A)**.



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.

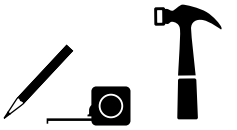
GABLE OVERHANG LADDERS

PARTS REQUIRED:

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

x8 **KFB**
2 x 4 x 88-11/16" (5,1 x 10,2 x 225,3 cm)

x56
3" (7,6 cm)



BEGIN

1 Arrange parts as shown **(Fig. A)**.
You will build (4) assemblies **(Fig. B)**.

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

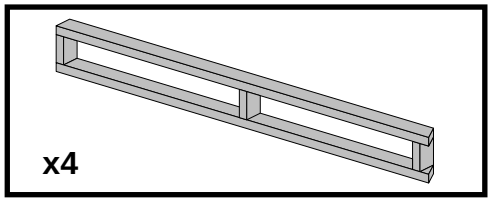
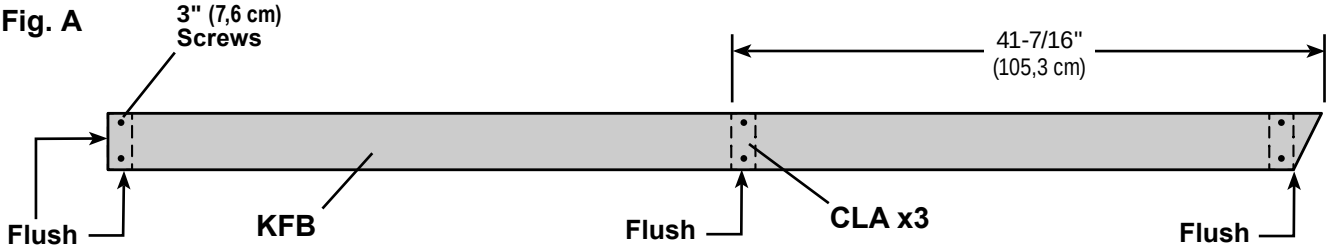


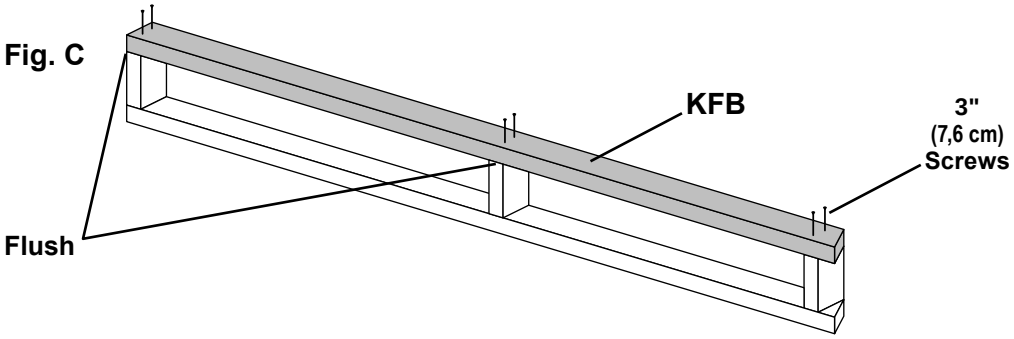
Fig. B

Fig. A



3 Flip over the gable ladder sub-assembly and secure **KFB** to the (3) **CLA** with 3" screws **(Fig. C)**.

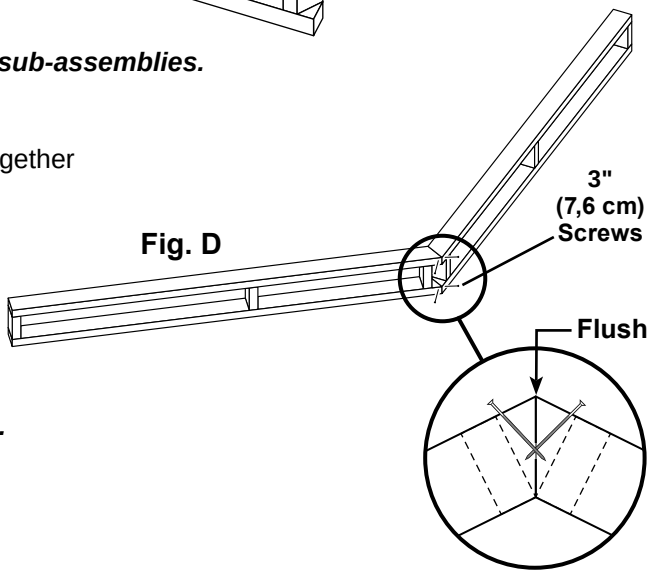
Fig. C



4 ***Repeat steps 2-3 to build (3) additional gable ladder sub-assemblies.***

5 To complete gable ladder, secure two sub-assemblies together with (2) 3" screws, as shown **(Fig. D)**.

Fig. D

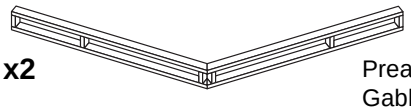


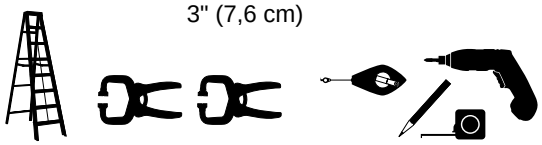
6 ***Repeat steps 1-5 to build the 2nd gable ladder frame.***

GABLE OVERHANG LADDERS

PARTS REQUIRED:

x28 
3" (7,6 cm)

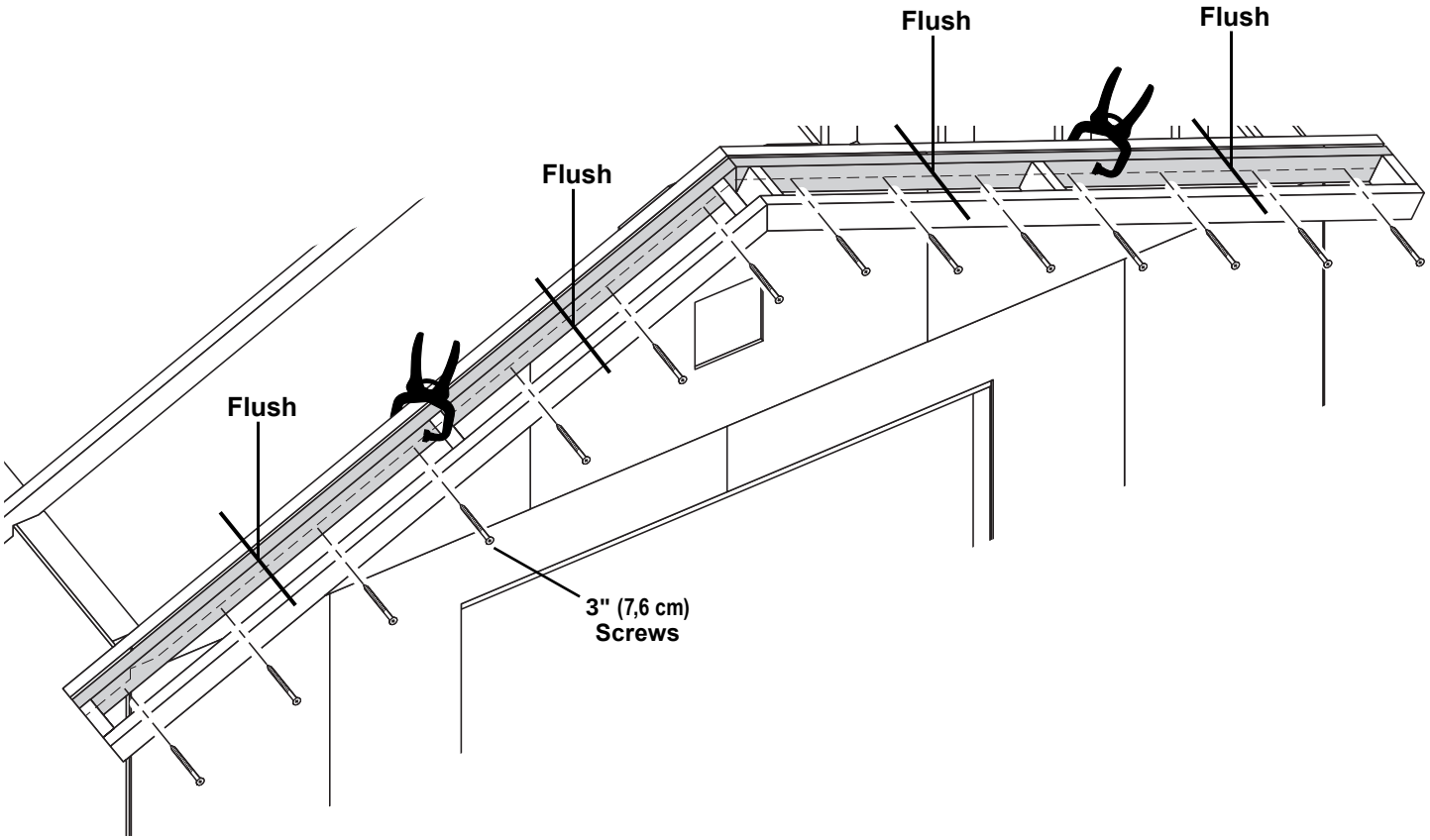

x2 Preassembled Gable Overhang



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.

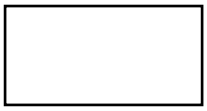
Repeat steps to install the 2nd gable overhang ladder.

FINISH

Your (2) gable overhang ladders are now installed.

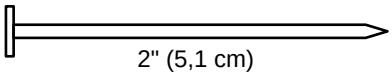
ROOF PANELS

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.

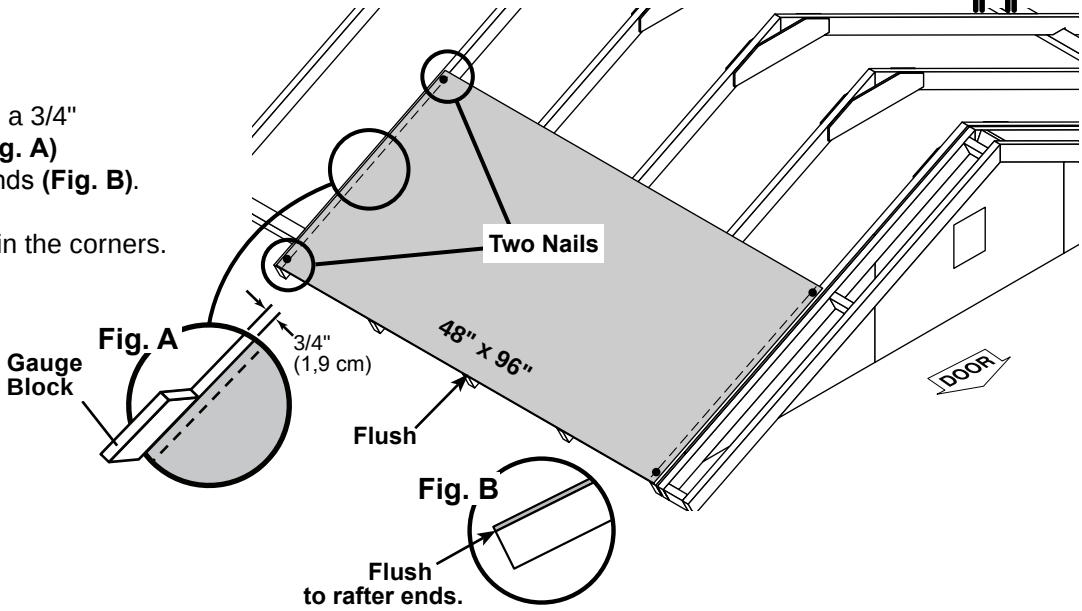
⚠ ***Roof panels may cause serious injury until securely fastened.***

✓ **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.

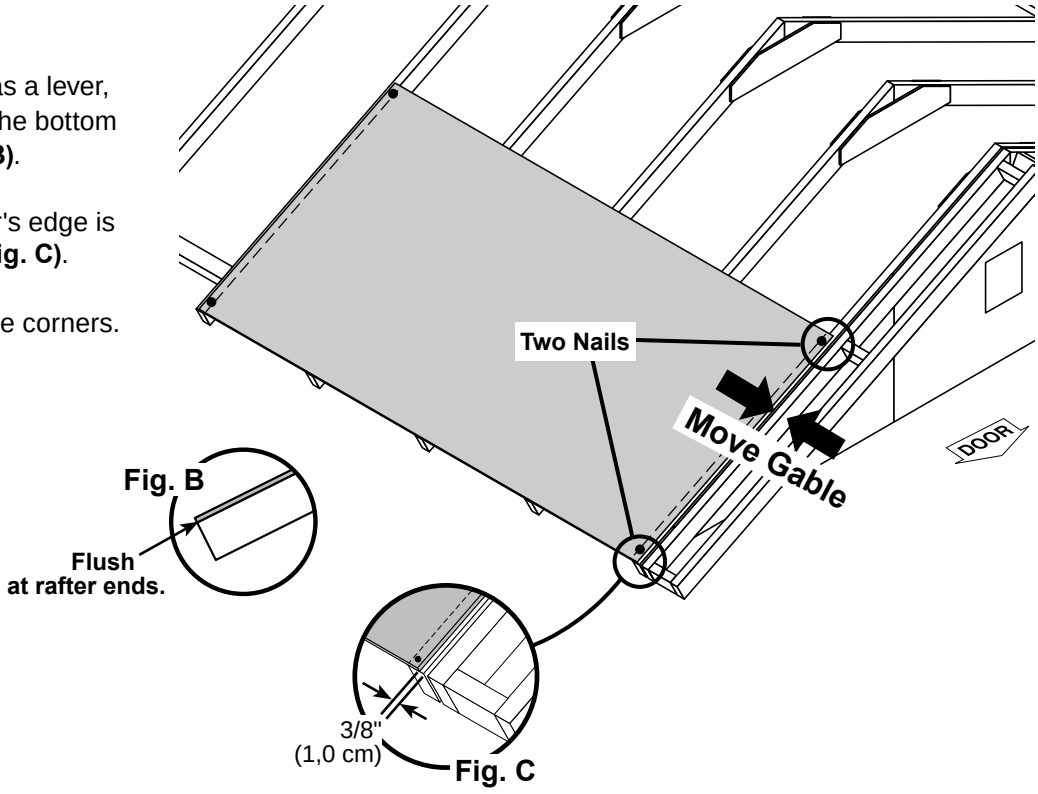


2

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 40-5/8 x 96" (1,1 x 103,2 x 243,8 cm)

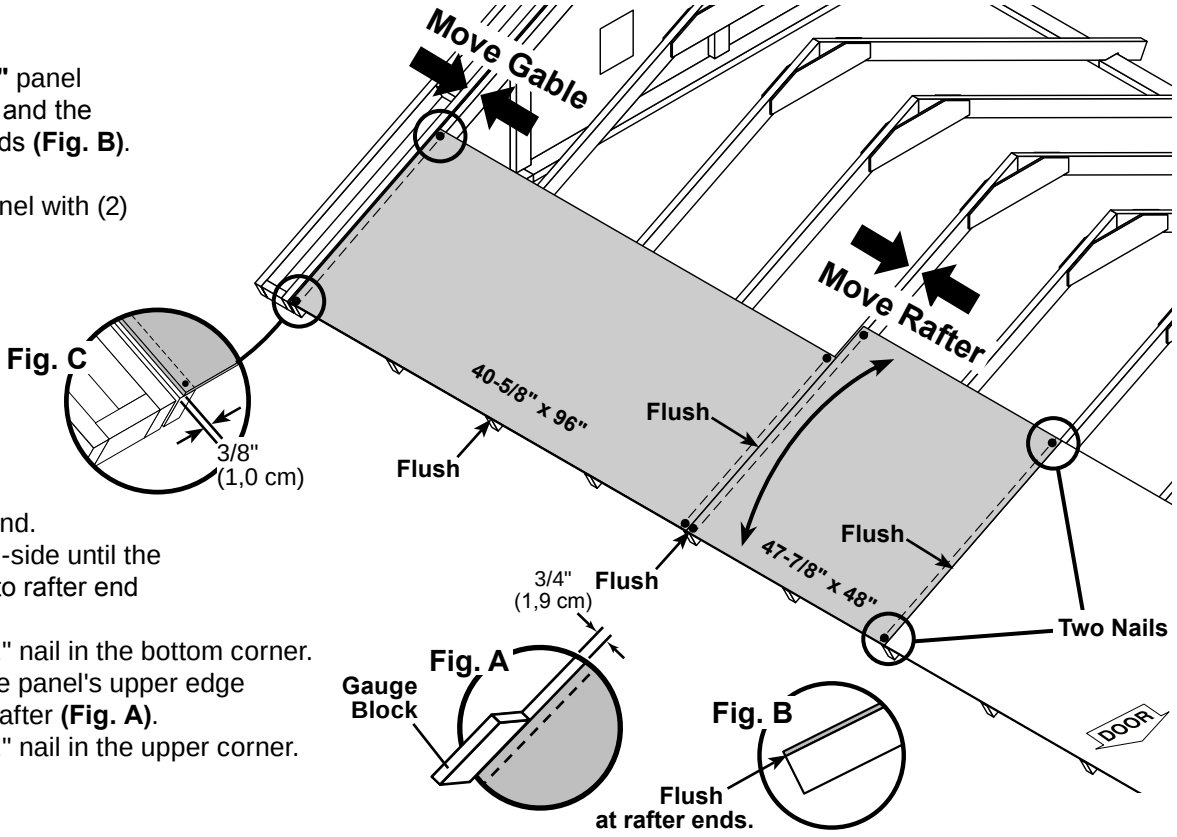
x1 7/16 x 47-7/8 x 48" (1,1 x 121,6 x 121,9 cm)

x15 2" (5,1 cm)

3

Install (1) **40-5/8" x 48"** panel flush to installed panel and the panel flush to rafter ends **(Fig. B)**.

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

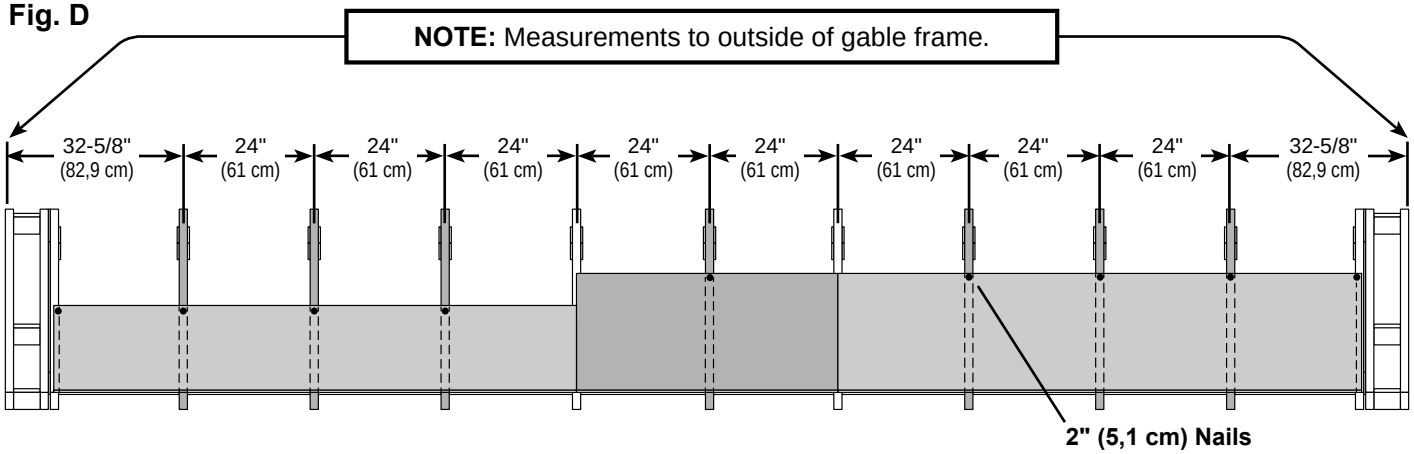
5

Install (1) **40-5/8" x 96"** 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 40-5/8 x 48" (1,1 x 103,2 x 121,9 cm)

GAA 3/4" GAUGE BLOCK x19

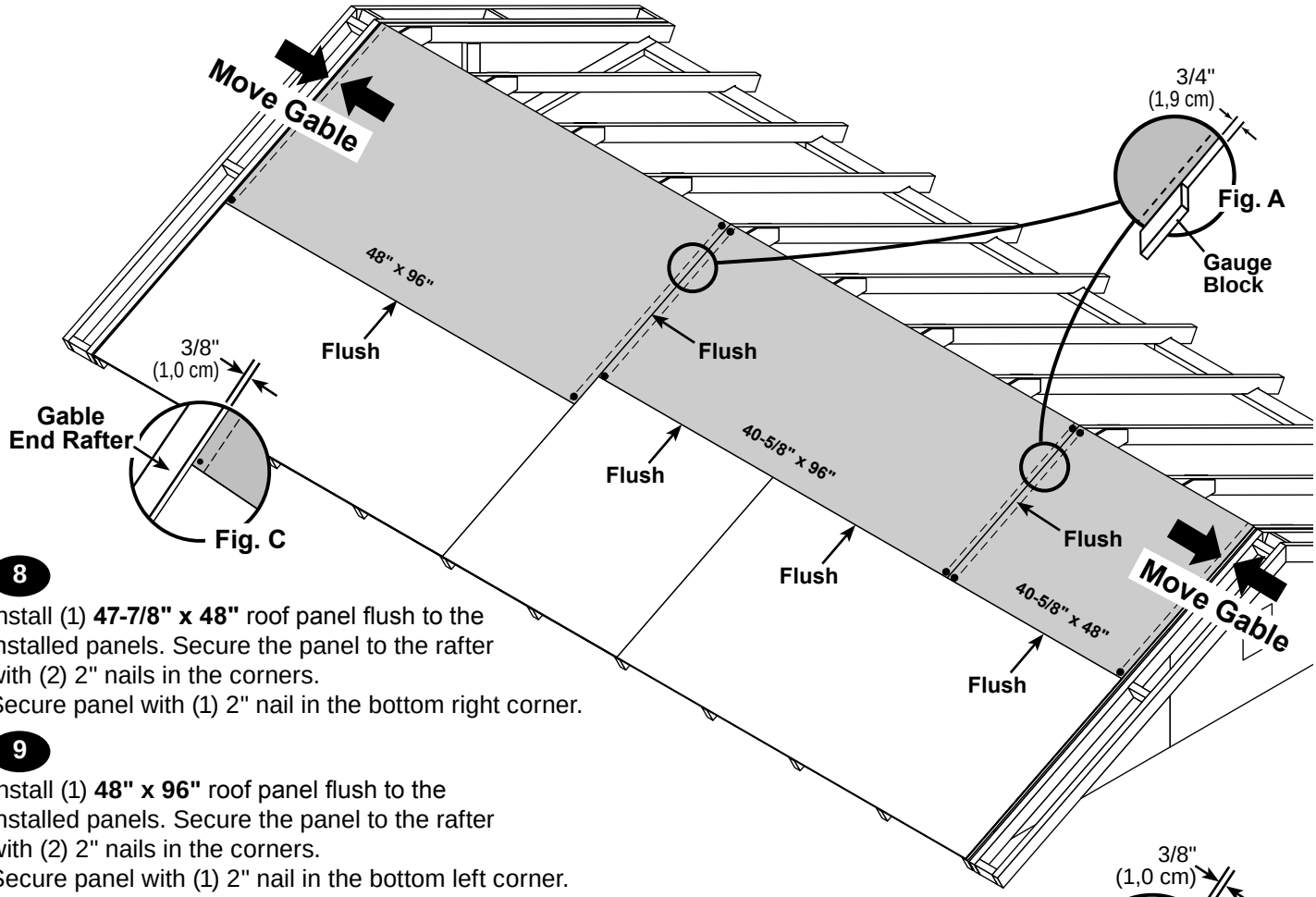
2" (5,1 cm)

x1 7/16 x 48 x 96" (1,1 x 121,9 x 243,8 cm)

x1 7/16 x 40-5/8 x 96" (1,1 x 103,2 x 243,8 cm)

7

Install (1) **40-5/8" x 96"** roof panel flush to installed panel. Secure panel with (2) 2" nails in the bottom corners.
Move each rafter until the panel's edges measure 3/4" on the rafters **(Fig. A)**.
Secure panel with (1) 2" nail in each top corner.



8

Install (1) **47-7/8" x 48"** roof panel flush to the installed panels. Secure the panel to the rafter with (2) 2" nails in the corners.
Secure panel with (1) 2" nail in the bottom right corner.

9

Install (1) **48" x 96"** roof panel flush to the installed panels. Secure the panel to the rafter with (2) 2" nails in the corners.
Secure panel with (1) 2" nail in the bottom left corner.

10

Maintain spacing between the centers of the rafters **(Fig. E)**.
Secure panels with (1) 2" nail in each rafter, as shown.
Move the gable until the end-rafter's edge is 3/8" from the edge of the end-panel **(Fig. C)**.
Secure end-panels to end-rafters with (1) 2" nail in the upper corner.

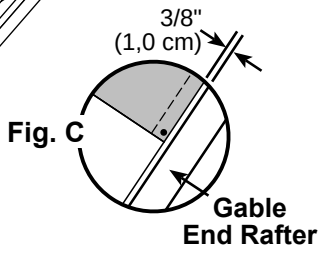
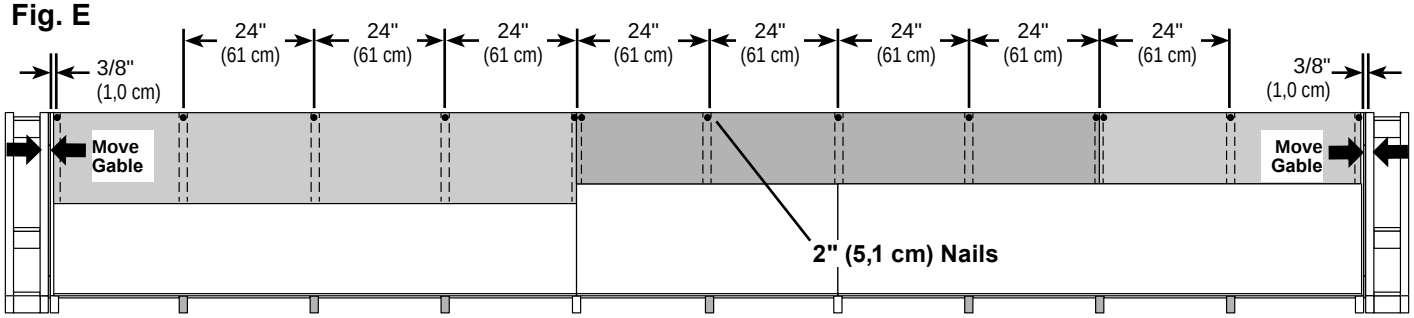
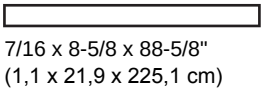


Fig. E



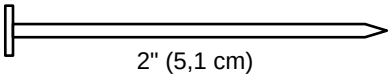
ROOF PANELS

PARTS REQUIRED: x2



7/16 x 8-5/8 x 88-5/8"
(1,1 x 21,9 x 225,1 cm)

x420

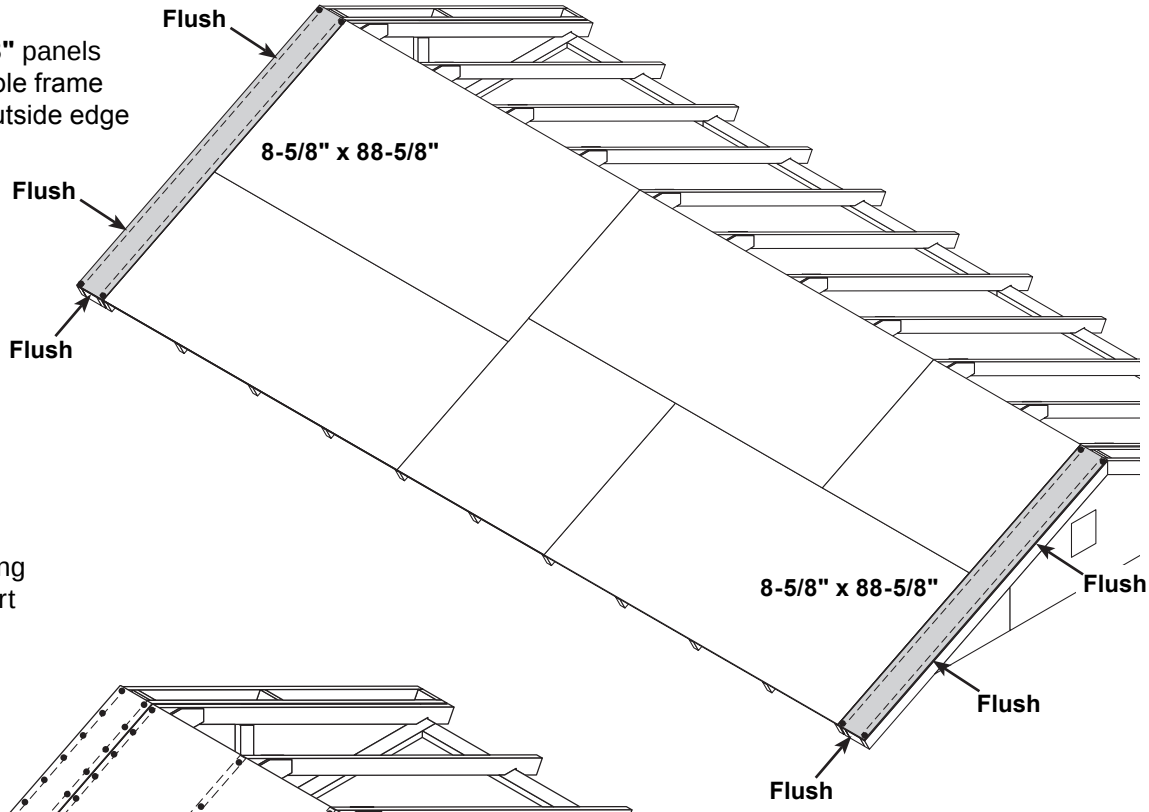


2" (5,1 cm)

11

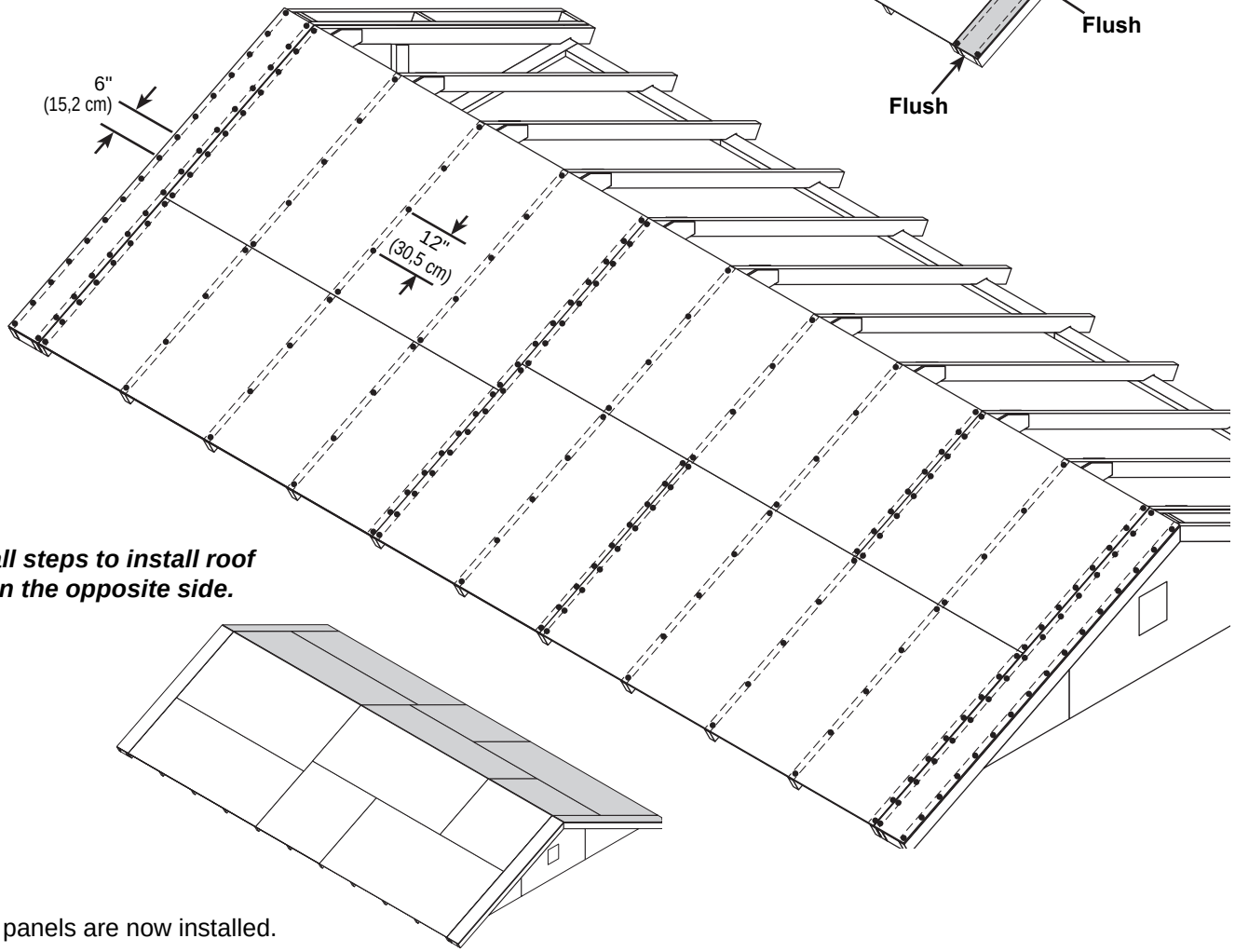
Install (2) **8-5/8" x 88-5/8"** panels flush to lower ends of gable frame and rafter, and flush to outside edge of gable frame.

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:

x72 2" (5,1 cm)

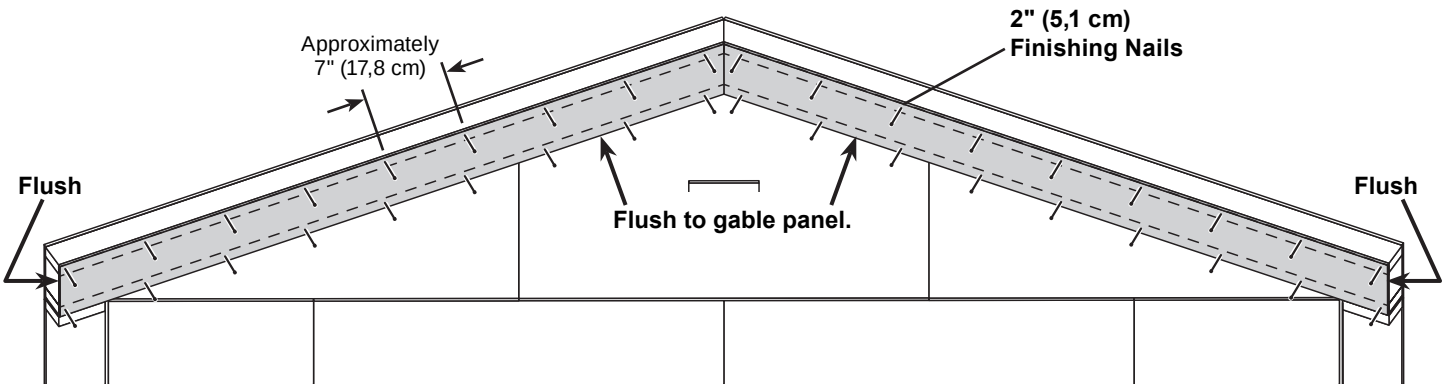
x4

3/8 x 7-7/8 x 86-3/4" (1 x 20 x 220,3 cm)

Install all soffit panels with the primed side facing out.

BEGIN

1 Position **86-3/4"** soffit panels flush to gable panel and flush to gable ends. Secure with 2" finishing nails spaced evenly.



Repeat steps to install soffit boards on opposite side.

FINISH

Your soffit panels are now installed.

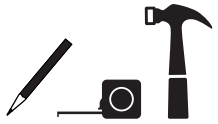
EAVE SOFFIT PANELS

PARTS REQUIRED:

x52 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 96" (1 x 14,9 x 243,8 cm)



Install all soffit panels with the primed side facing out.

BEGIN

1

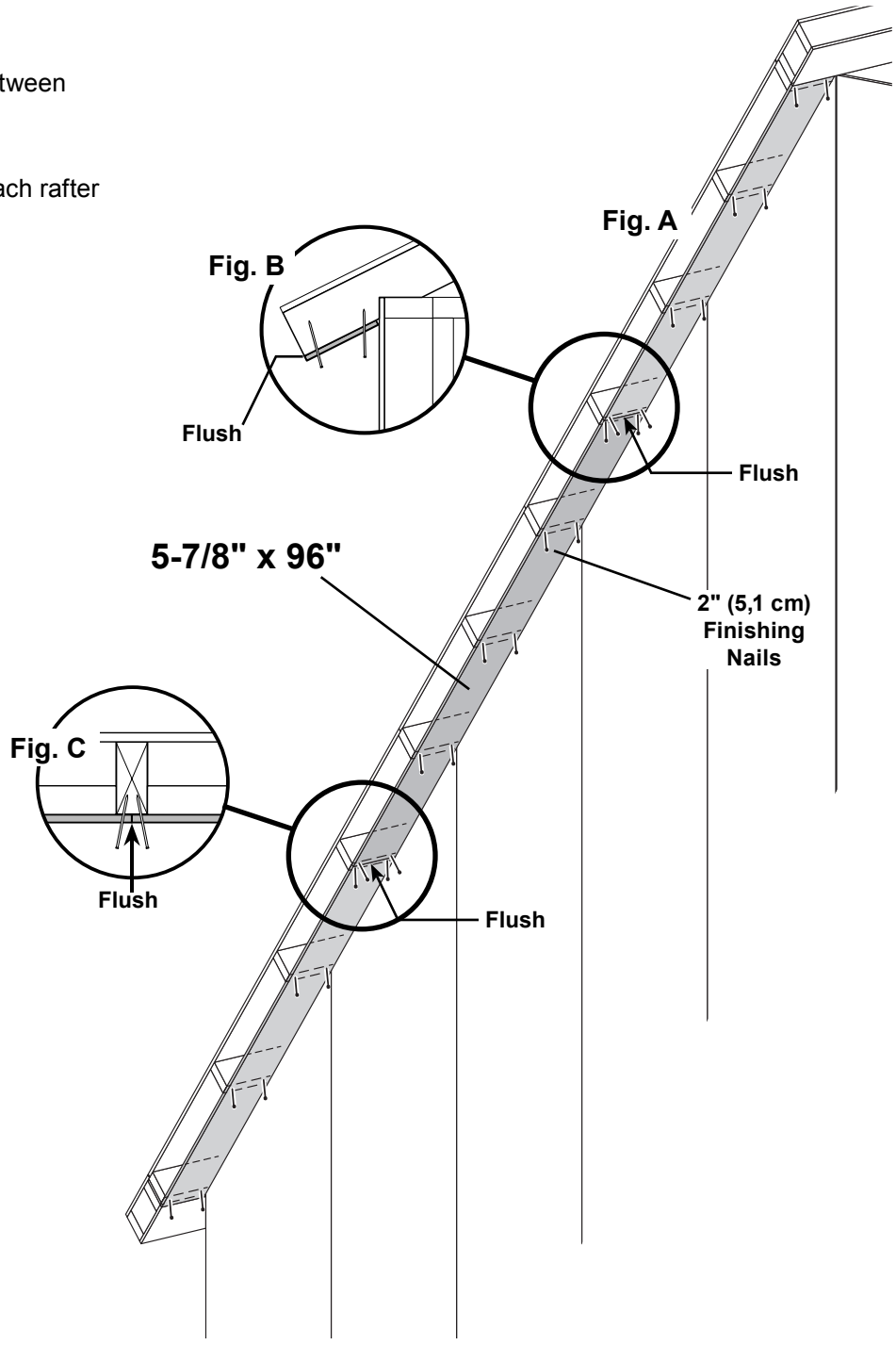
Install (1) **96"** soffit panel centered between 4th and 8th rafters **(Fig A)**.

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 opposite side.

FINISH

Your eave soffit panels are now installed.

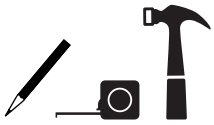
GABLE FASCIA

PARTS REQUIRED:

x32 2" (5,1 cm)

x2 **Painted Green**
3/8 x 4-3/4 x 89-1/4" (1 x 12,1 x 226,7 cm)

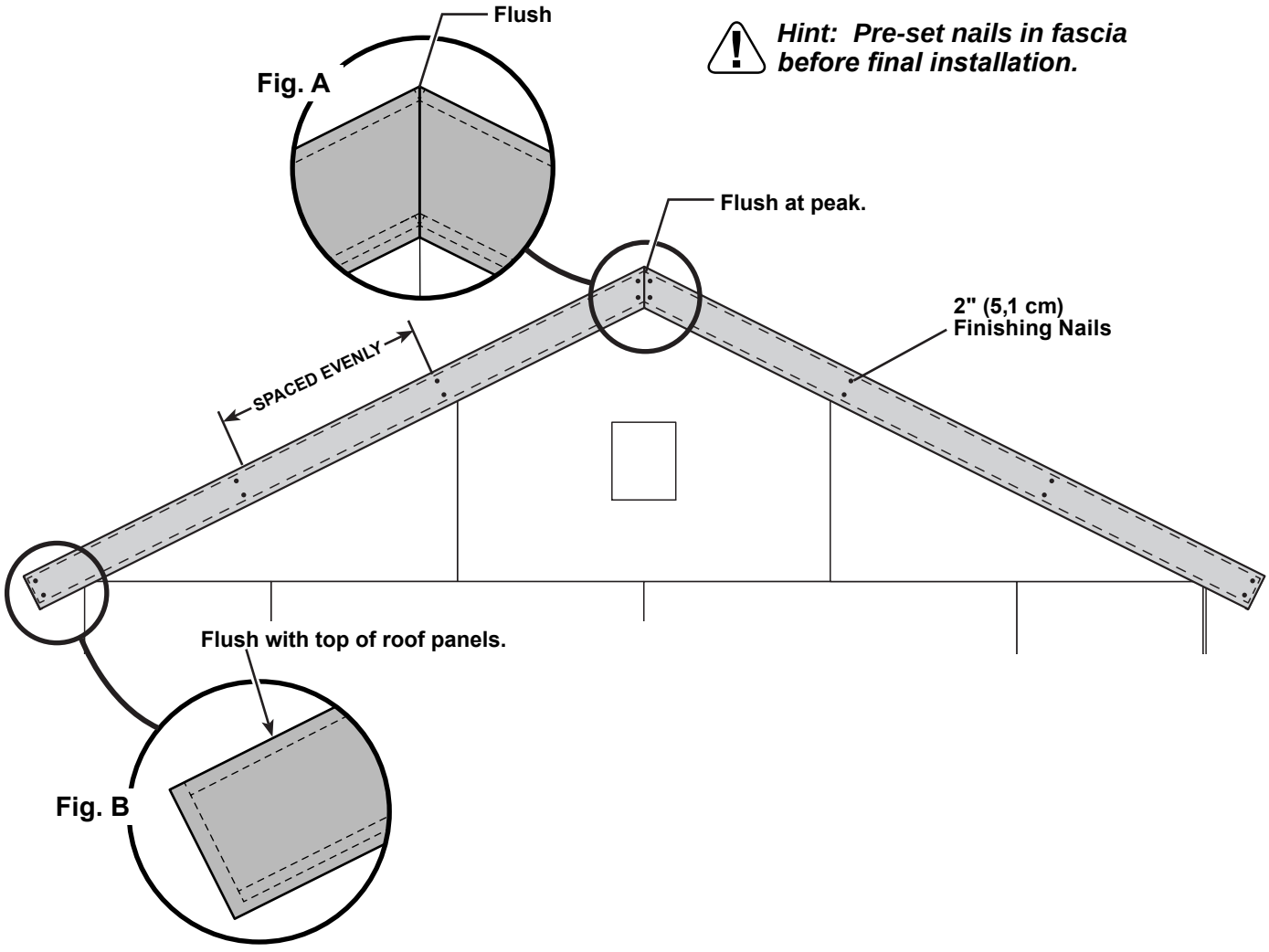
x2 **Painted Red**
3/8 x 4-3/4 x 89-1/4" (1 x 12,1 x 226,7 cm)



Install all trim with the primed side facing out.

BEGIN

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



Repeat to install fascia on opposite side.

FINISH

Your gable fascia boards are now installed.

EAVE SIDE FASCIA

PARTS REQUIRED:

x60 2" (5,1 cm)

x2 3/8 x 4-3/4 x 96" (1 x 12,1 x 243,8 cm)

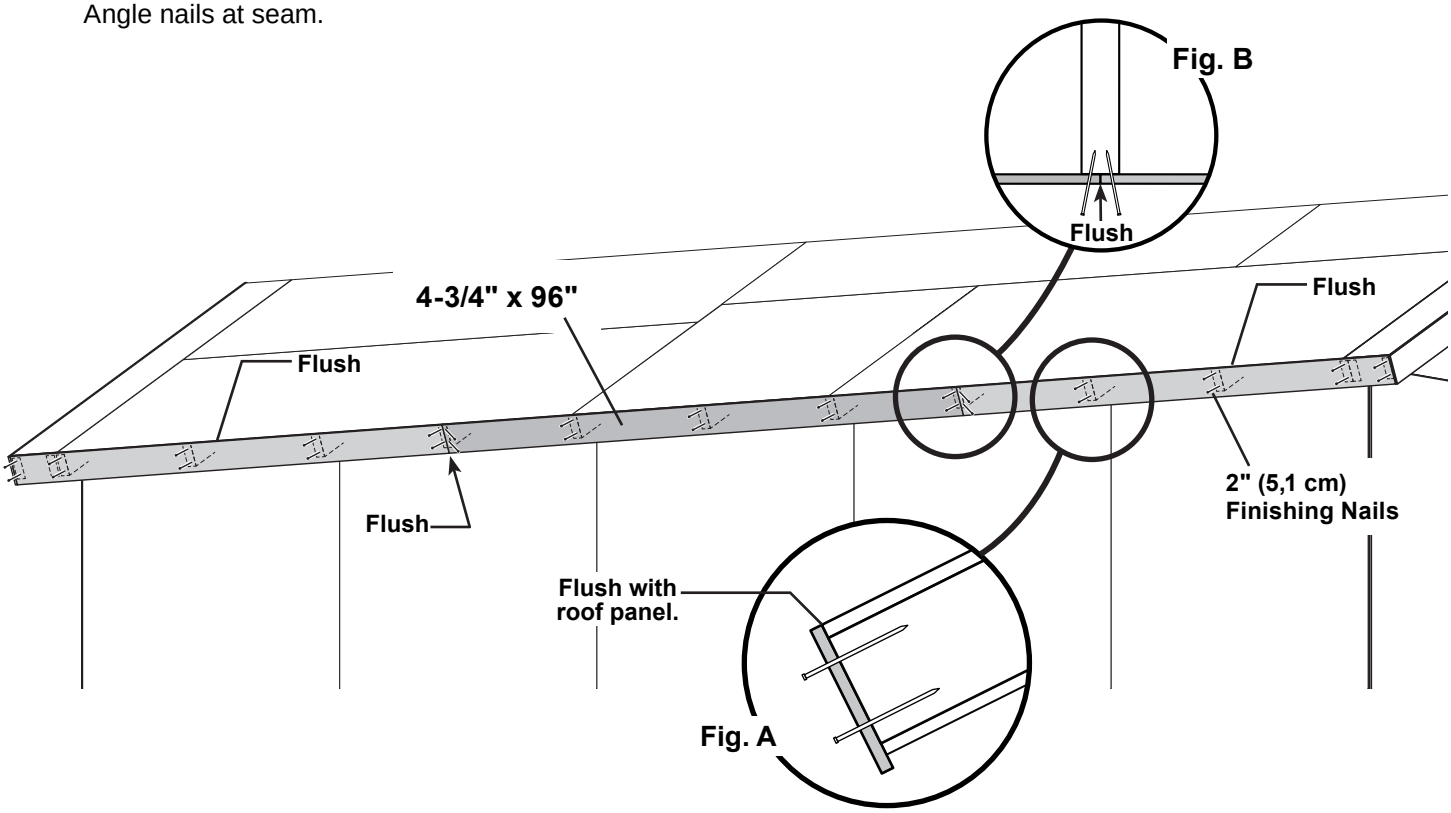
x4 3/8 x 4-3/4 x 80-7/8" (1 x 12,1 x 205,4 cm)

Install all trim with the primed side facing out.

BEGIN

1 Install (1) **4-3/4" x 96"** (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 opposite eave.

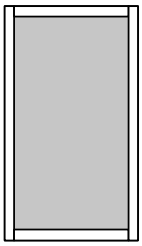
FINISH

Your eave side fascia boards are now installed.

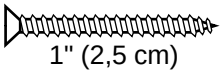
DOORS

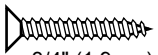
PARTS REQUIRED:

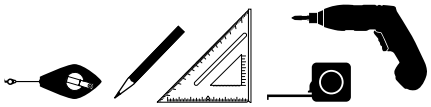
x2 **ZPT**
4/4 x 4" x 41" (2,5 x 10,2 x 104,1 cm)



x3 **ASSEMBLED DOOR**

x12 
1" (2,5 cm)

x30 
3/4" (1,9 cm)



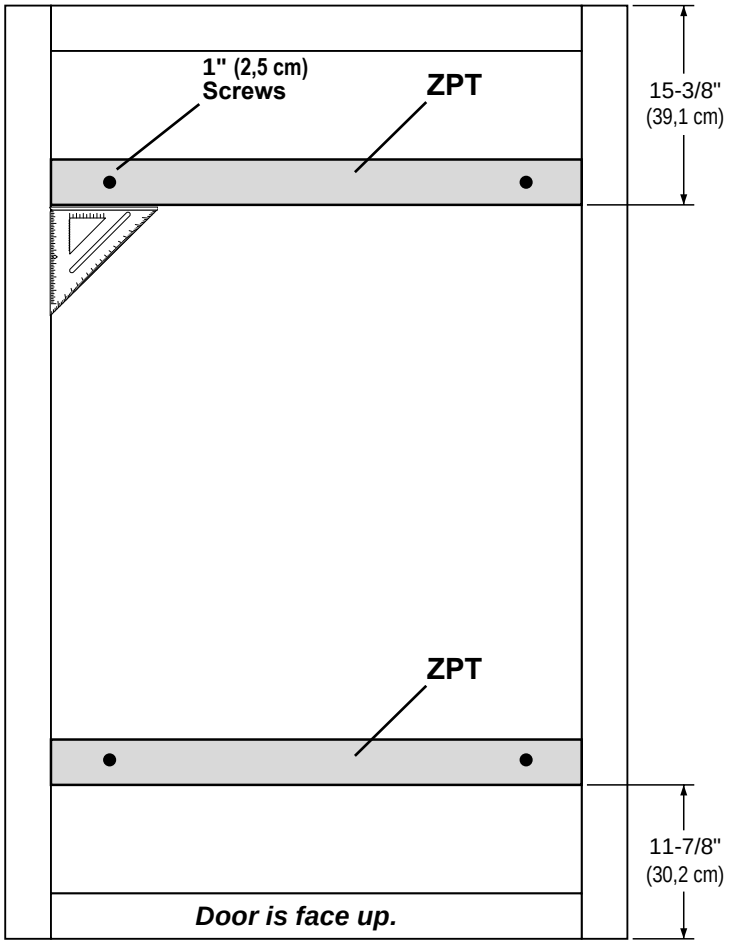
Build 3 identical doors.

BEGIN

1

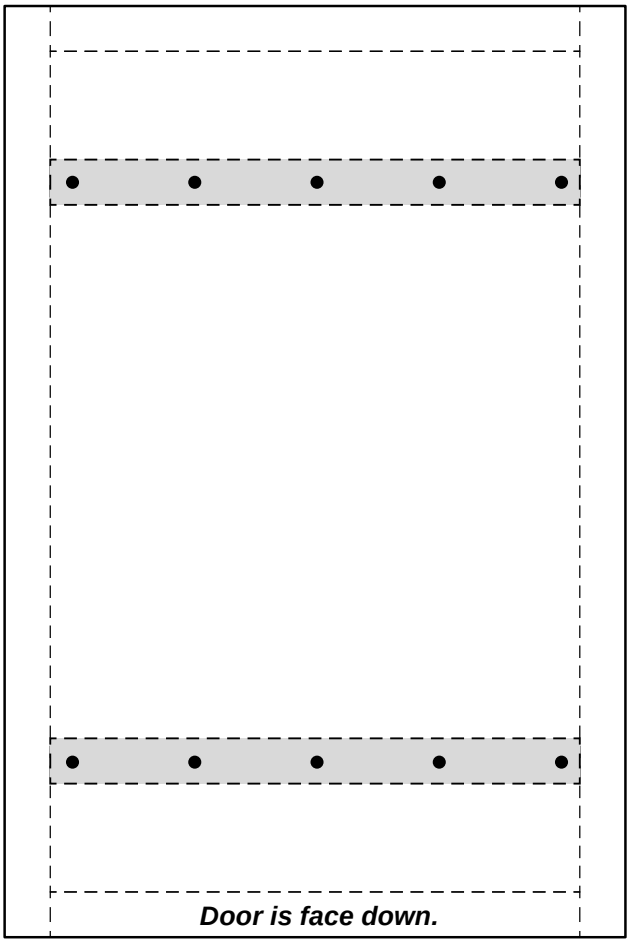
Arrange trim on front side of door with parts centered and at measurements shown.

Temporarily secure trim with (4) 1" screws, as shown.



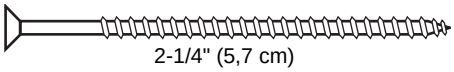
2

Turn the door over (face down) and secure trim with 3/4" screws in the pattern shown.



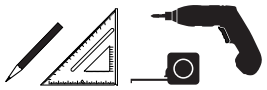
DOORS

PARTS REQUIRED:

x84 
2-1/4" (5,7 cm)

x2 **PJ**
2 x 4 x 69" (5,1 x 10,2 x 175,3 cm)

x3 **DHC**
2 x 4 x 39-1/4" (5,1 x 10,2 x 99,7 cm)



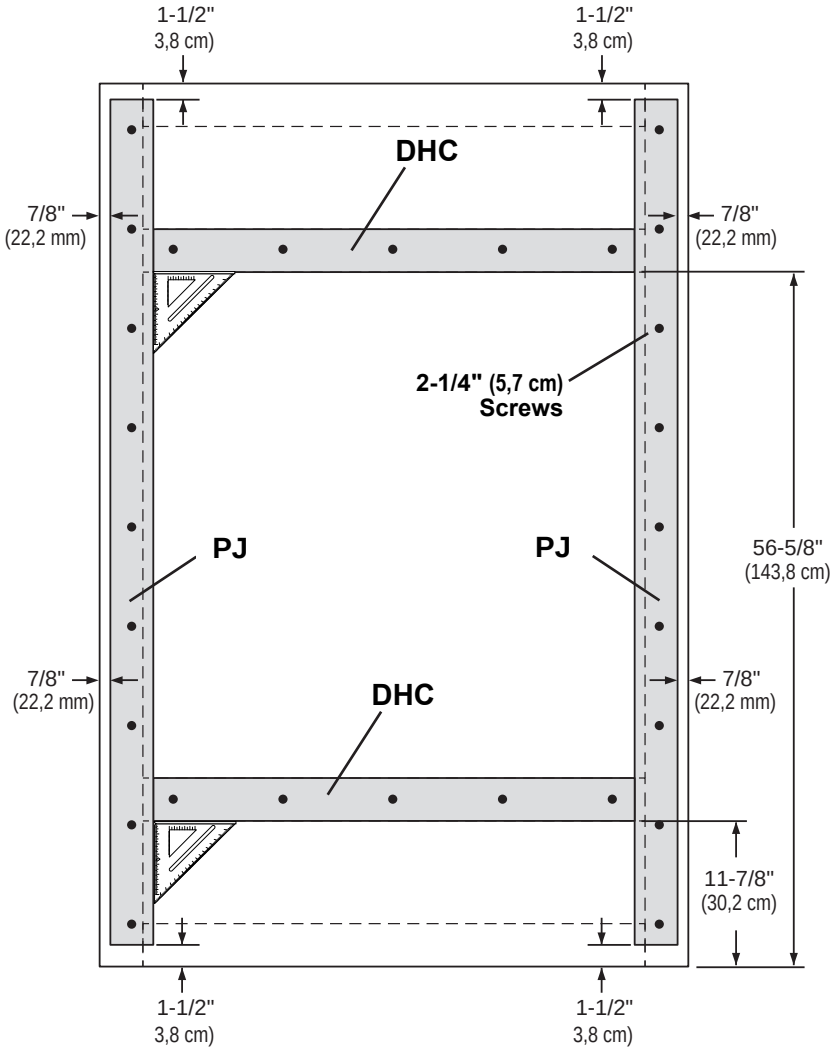
3

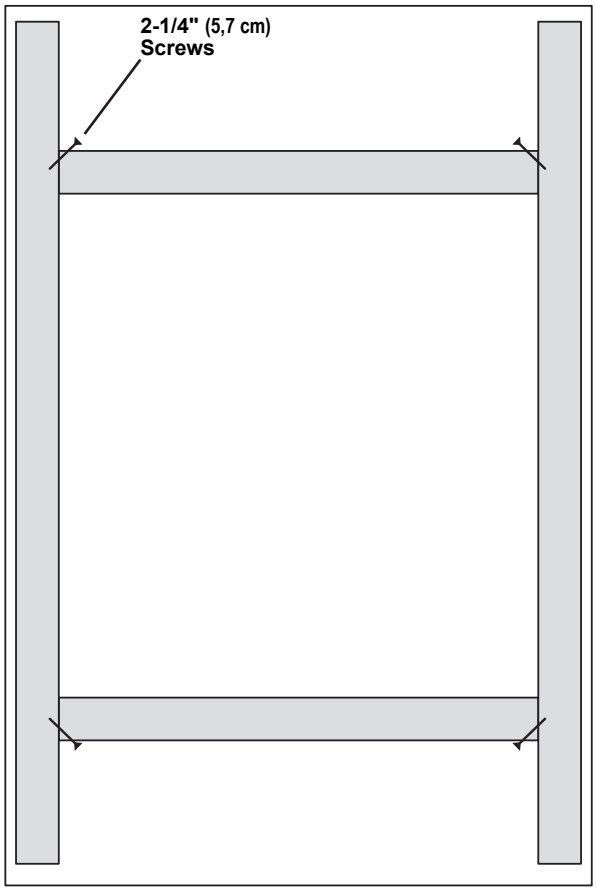
With door facing down, arrange door reinforcement parts at measurements shown.

Secure parts with 2-1/4" screws in the pattern shown.

4

Continue securing door reinforcement frame with 2-1/4" screws, angled at each connection.





Remove (4) 1" temporary screws from door trim.

Repeat steps to assemble two more doors.

FINISH

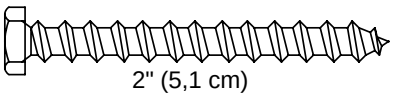
Your (3) doors are now assembled.

DOOR HINGES

PARTS REQUIRED:

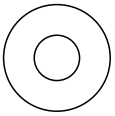
x6

x18

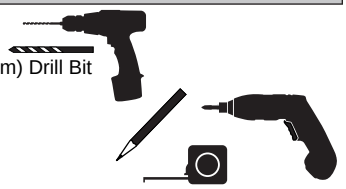


2" (5,1 cm)

x18



5/16" (0,8 cm)
Washer

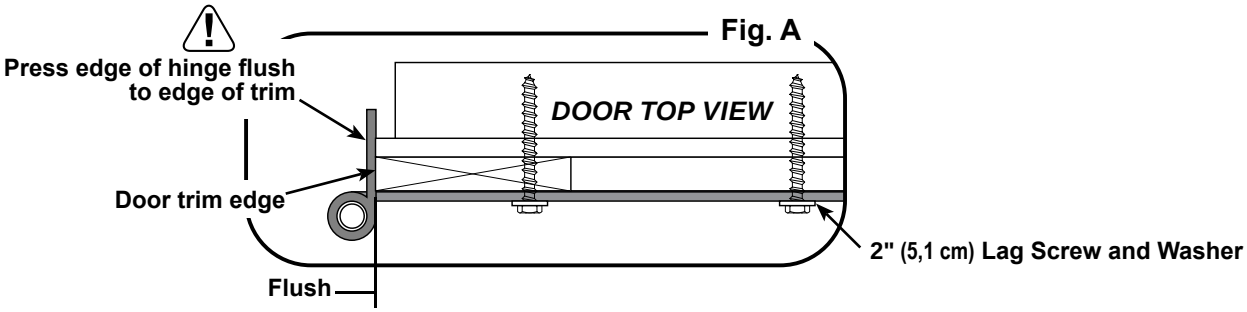


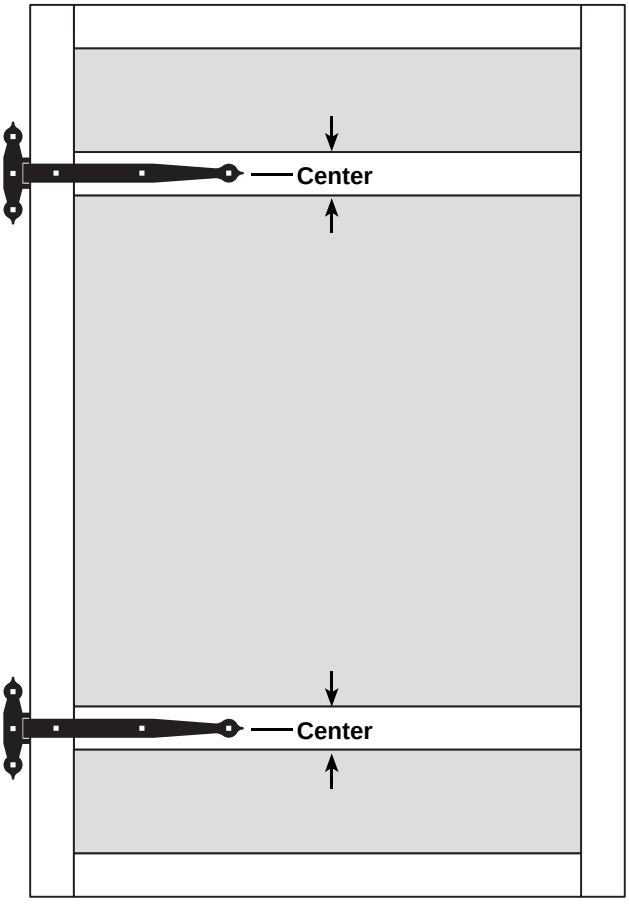
1/8" (3 mm) Drill Bit

BEGIN

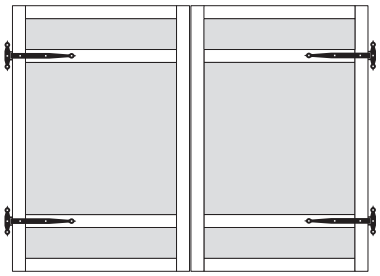
1 Measure and install (2) hinges on left door trim. Flush hinge at edge of trim **(Fig. A)**.
Pre-drill lag screw location using a 1/8" drill bit **(Fig. A)**.
Secure hinges with 2" lag screws and washers **(Fig. A)**.

Fig. A





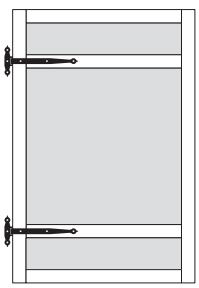
DOUBLE DOORS



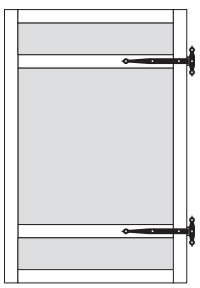
Repeat steps to install hinges on right side of right double door.

You may choose to install your single door swinging open to the left or to the right.

SINGLE DOOR
Hinges Left



SINGLE DOOR
Hinges Right



FINISH

Your door hinges are now installed.

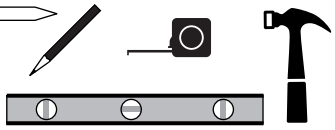
DOUBLE DOOR HINGE BOARDS

PARTS REQUIRED:

x2 **WP**

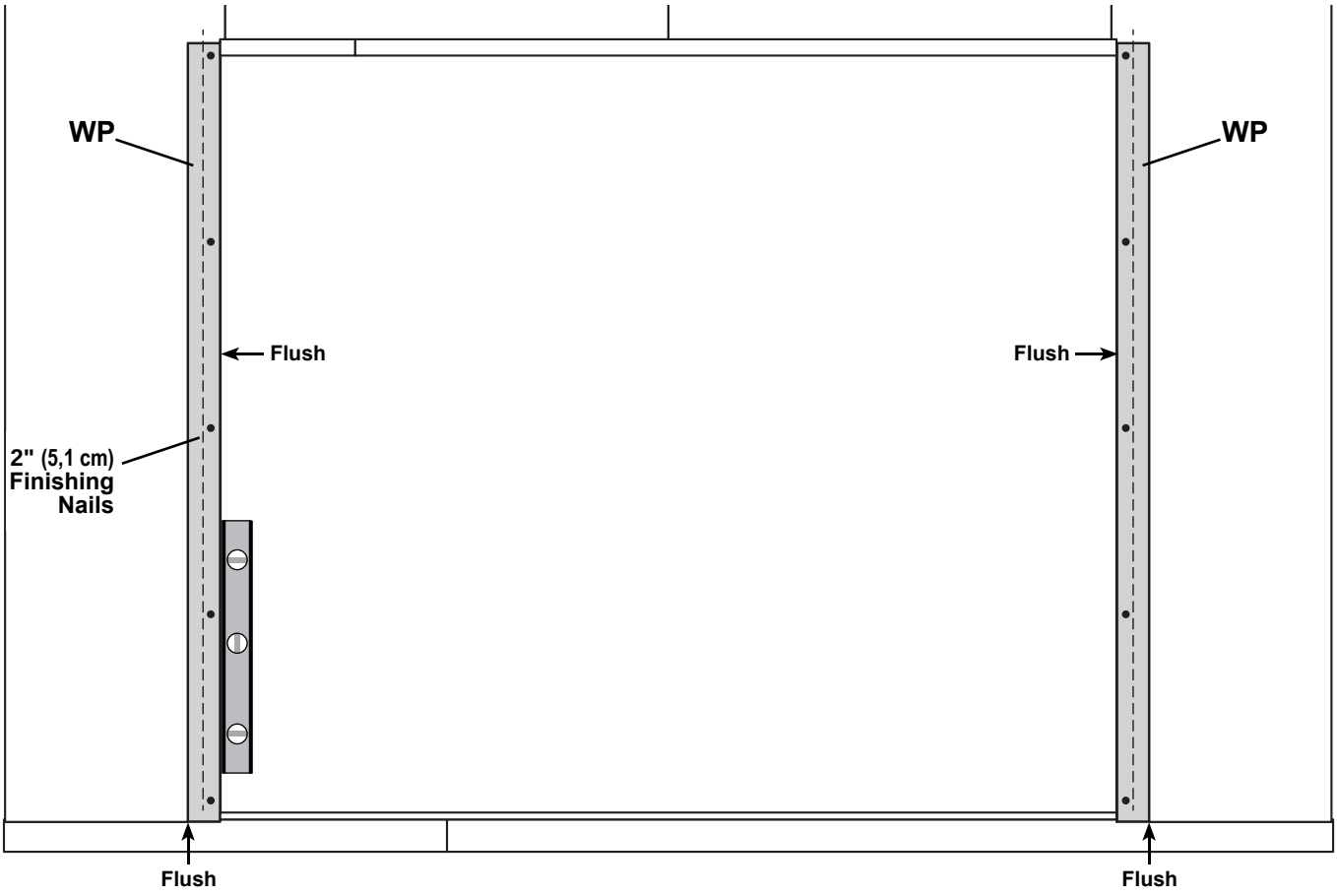
4/4 x 4" x 72-3/8" (2,5 x10,2 x 183,8 cm)

x10 2" (5,1 cm)



BEGIN

1 Install trim flush to the bottom of wall panels and flush along edge of door panels. Secure trim with 2" finishing nails.

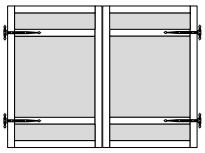


FINISH

Your hinge boards are now installed.

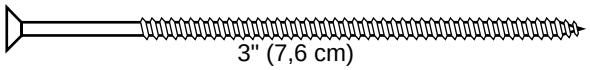
DOUBLE DOORS

PARTS REQUIRED:



Assembled Double Doors

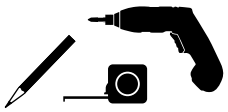
x8



3" (7,6 cm)

x2 **WTA** ***Temporary Support***

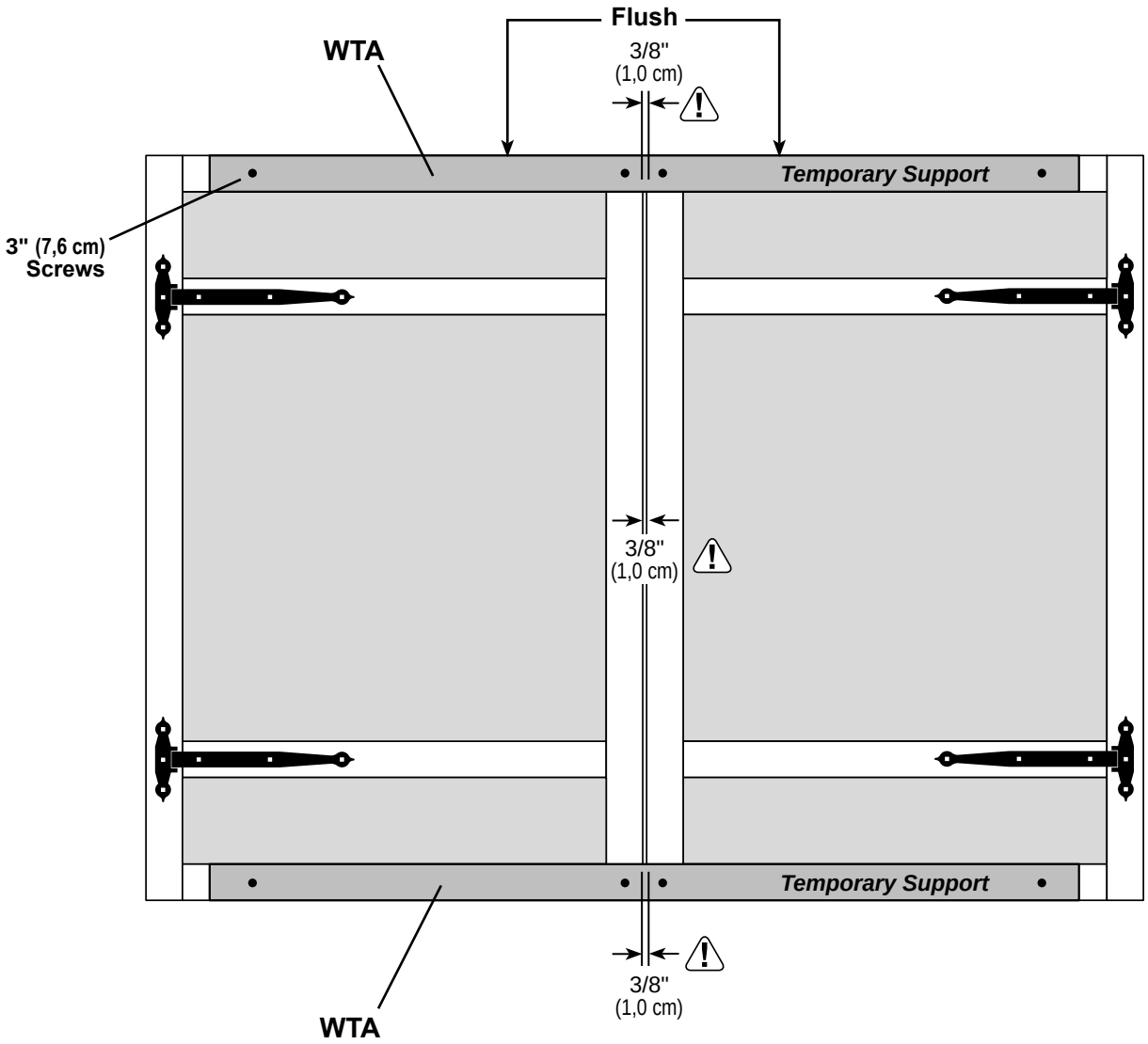
1 x 4 x 84" (2,5 x10,2 x 213,4 cm)



BEGIN

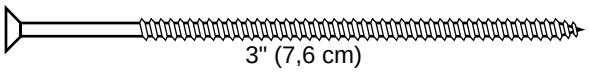
1 Lay double doors face up. Separate doors 3/8" apart and flush at top.

2 Center **WTA** across top and bottom of doors.
Secure with 2" screws.

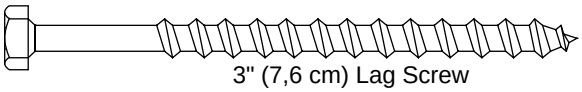


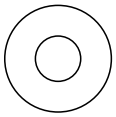
DOUBLE DOORS

PARTS REQUIRED:

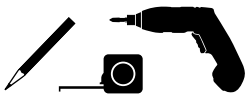
x4 
3" (7,6 cm)

x2 **WTA** ***Temporary Support***
1 x 4 x 84" (2,5 x10,2 x 213,4 cm)

x12 
3" (7,6 cm) Lag Screw

x12 
5/16" (0,8 cm)
Washer


1/8" (3 mm) Drill Bit



3 Install (2) stacked temporary supports **WTA** flush to bottom of wall panels (1" below floor decking).
Secure with 3" wood screws **(Fig. A)**.

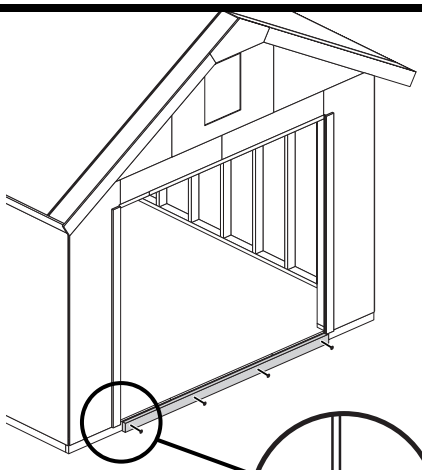
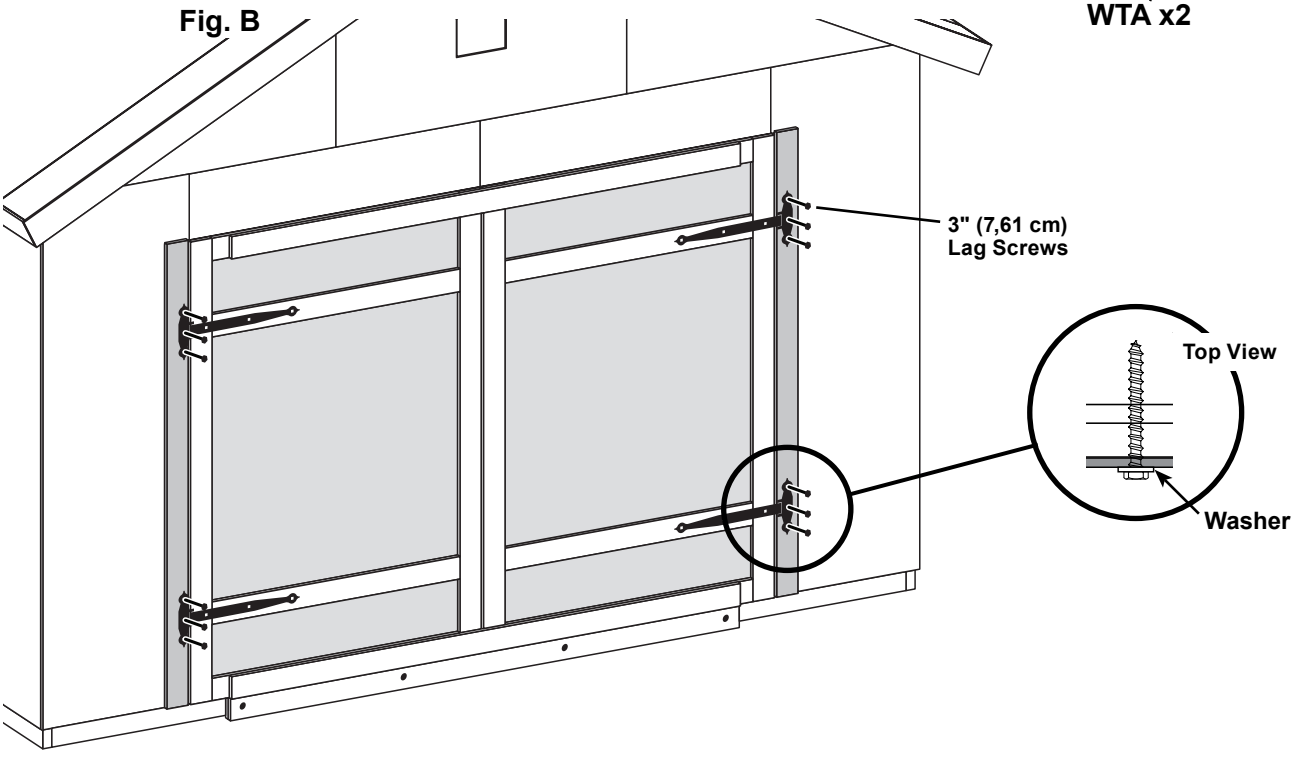


Fig. A

4 Center doors in door opening **(Fig. B)**.
Pre-drill holes for lag screws using a 1/8" drill bit.

Secure hinges to wall studs with 3" lag screws and washers, as shown.

Fig. B



Remove all temporary supports and check that doors open properly.

FINISH
Your double doors are now installed.

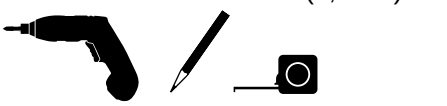
DOUBLE DOOR WEATHERSTRIP

PARTS REQUIRED:

x1 **Weatherstrip**

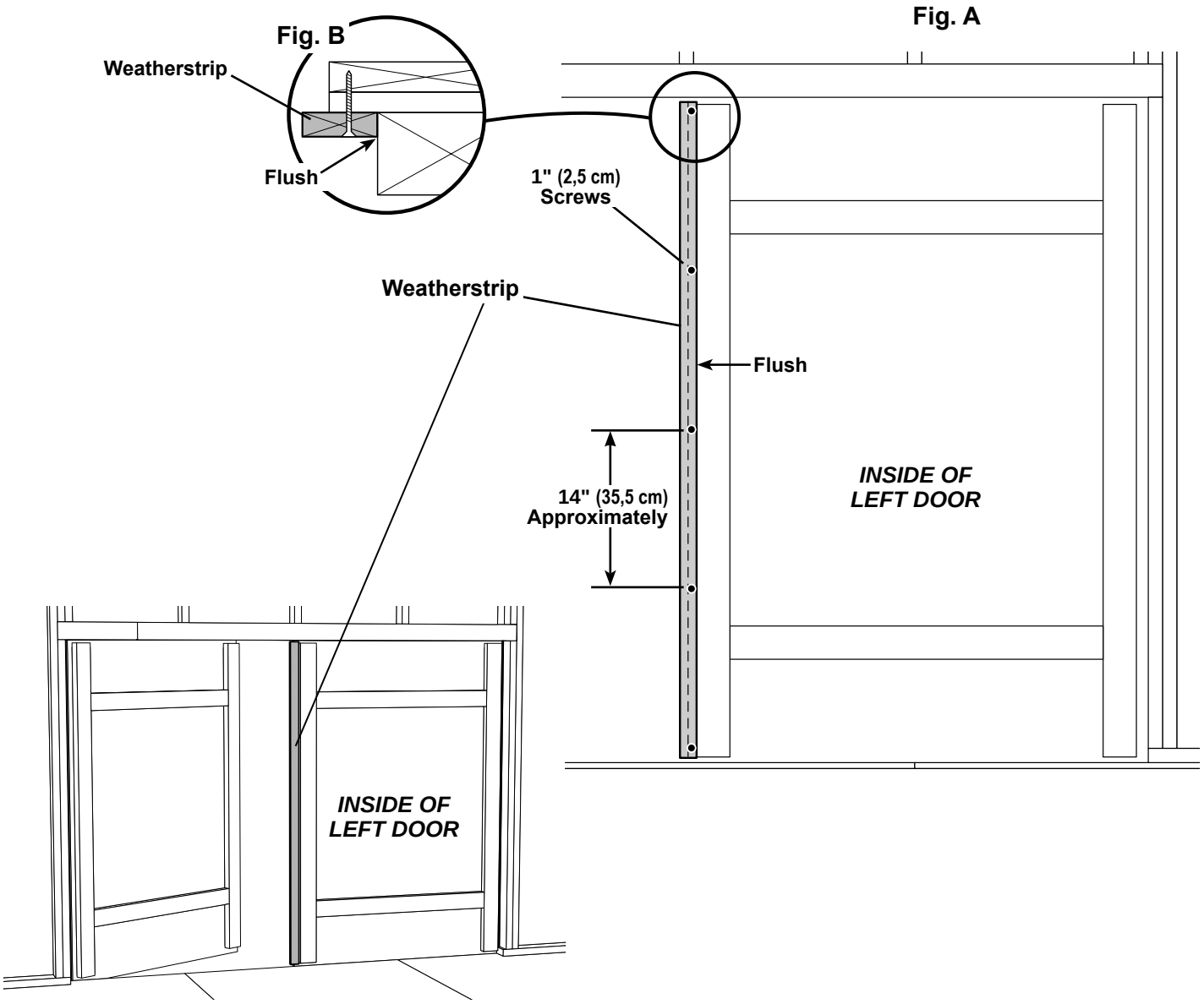
3/8" x 1-5/8" x 69" (1 x 4,1 x 175,3 cm)

x5 1" (2,5 cm)



BEGIN

1 With left door closed and working from inside, place **1-5/8" x 69"** weatherstrip 1/2" from top of door header **(Fig. A)** and flush to edge of door reinforcement **(Fig. B).**
Secure weatherstrip with 1" screws into door panel **(Fig. B)**.



DOUBLE DOOR WEATHERSTRIP

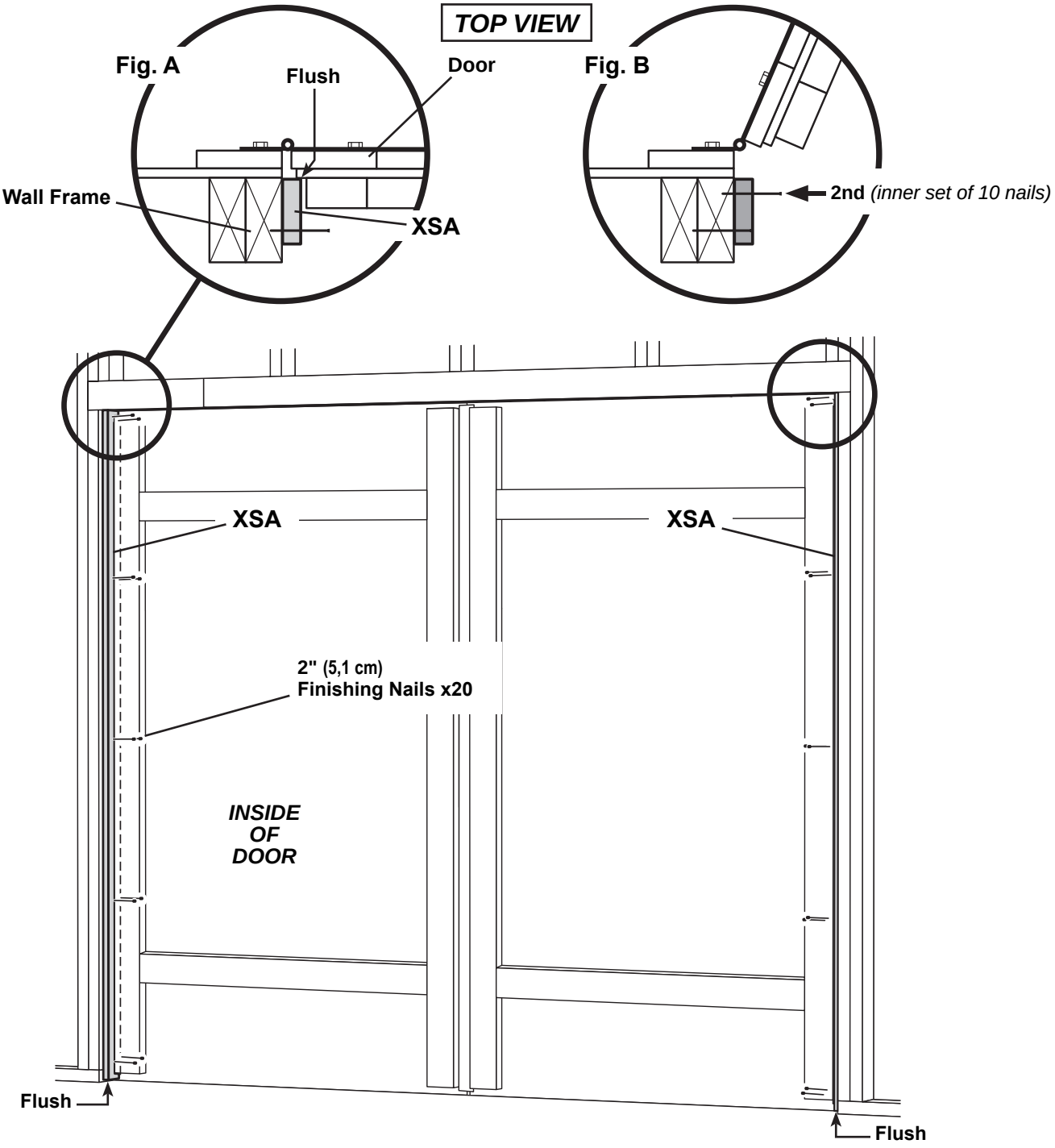
PARTS REQUIRED:

x2 **XSA** 1 x 3 x 69-3/4" (2,5 x 7,6 x 177,2 cm)

x20 2" (5,1 cm)

3 With doors closed, install (2) **XSA** weatherstrips flush along inside of door and flush to floor. Secure with the first (10) 2" finishing nails, as shown **(Fig. A).**

4 Open doors and complete the securing of weatherstrips with the second set of (10) 2" finishing nails **(Fig. B).**



FINISH

Your double door weatherstripping is now installed.

OVER DOOR TRIM - Double Doors

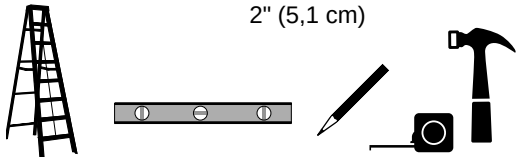
PARTS REQUIRED:

x2 **LQA**

4/4 x 3-1/2" x 53" (1,5 x 8,9 x 134,6 cm)

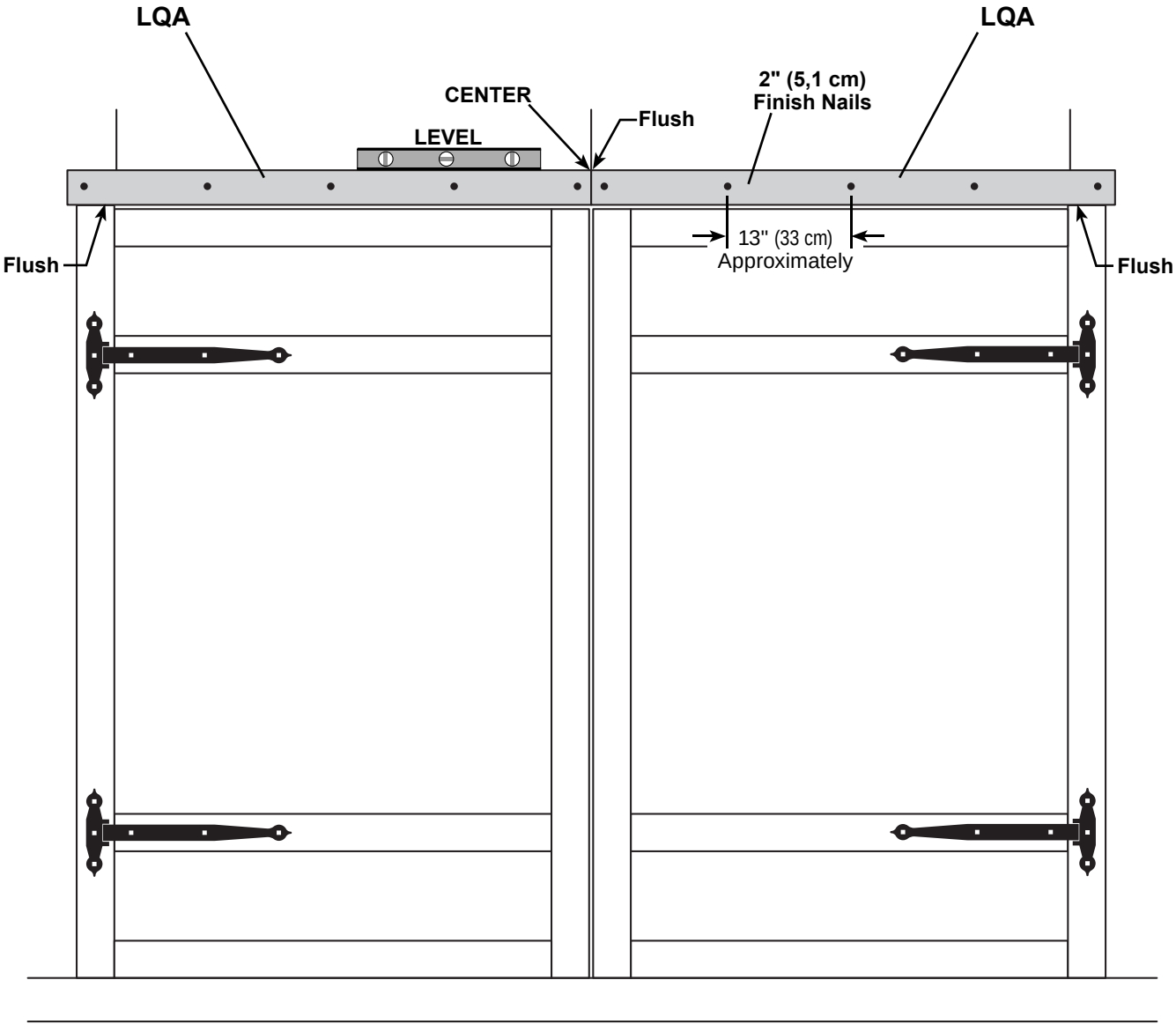
x10

2" (5,1 cm)



BEGIN

1 Center (2) **LQA** over door, flush to top of door hinge boards **(Fig. A)**. Secure trim with 2" finishing nails.

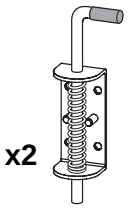


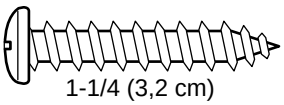
FINISH

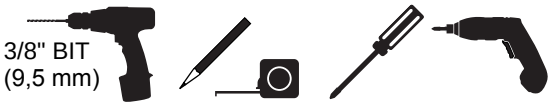
Your over door trim is now installed.

DOUBLE DOOR HARDWARE

PARTS REQUIRED:







BEGIN

1 Flush and center spring bolt at the top of door reinforcement **PJ (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 **PJ (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.

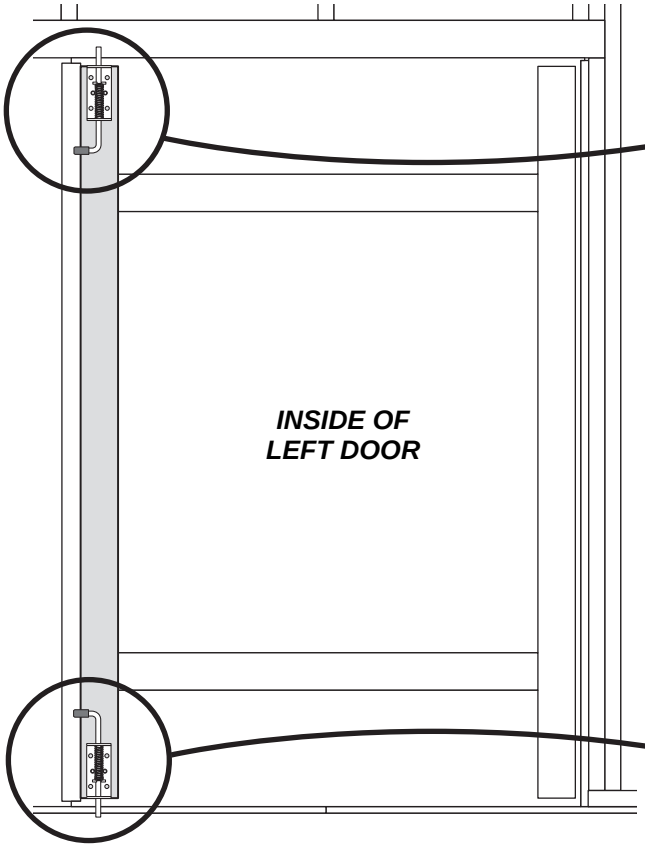


Fig. A

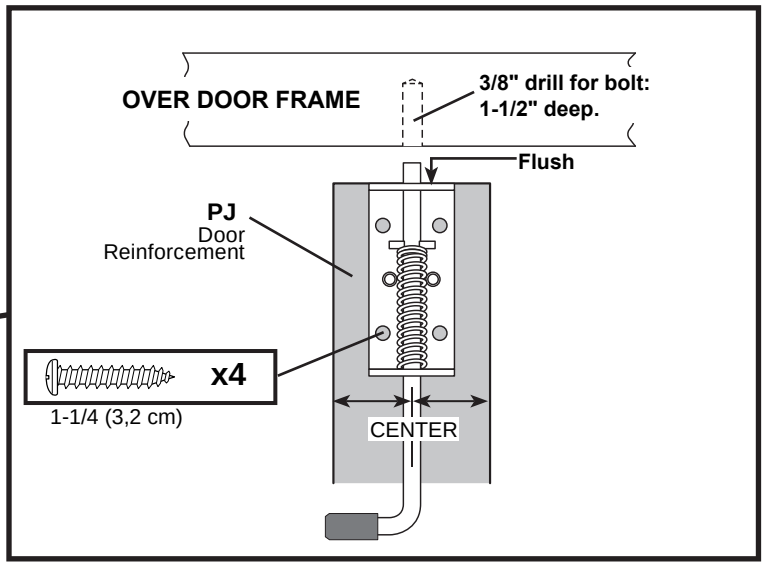
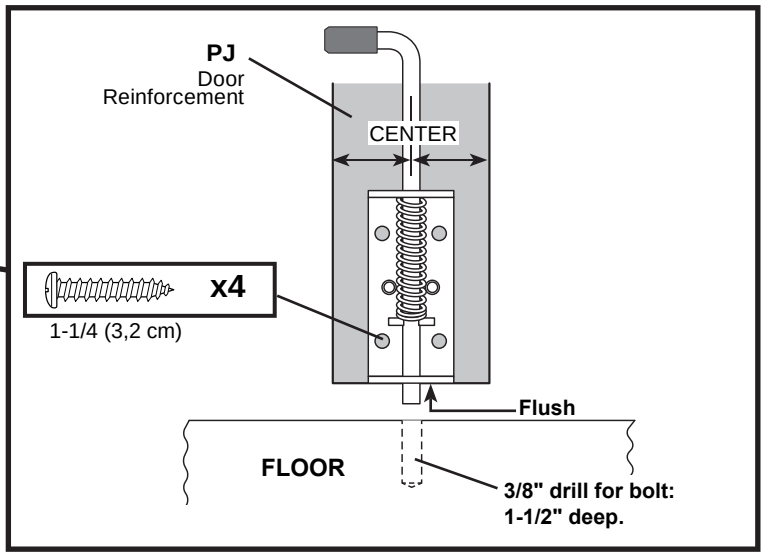


Fig. B



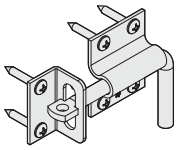
FINISH

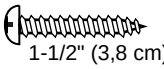
Your spring bolt is now installed.

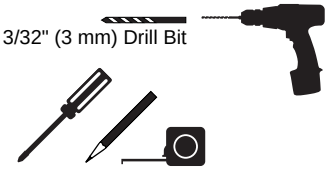
DOUBLE DOOR HARDWARE

PARTS REQUIRED:

x2 
Heavy Duty Handle

x1 
Latch and screws

x6 
1-1/2" (3,8 cm)

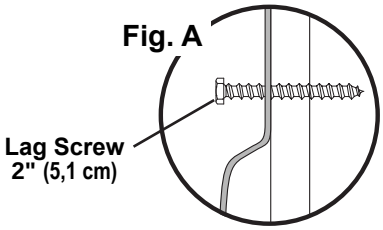

3/32" (3 mm) Drill Bit

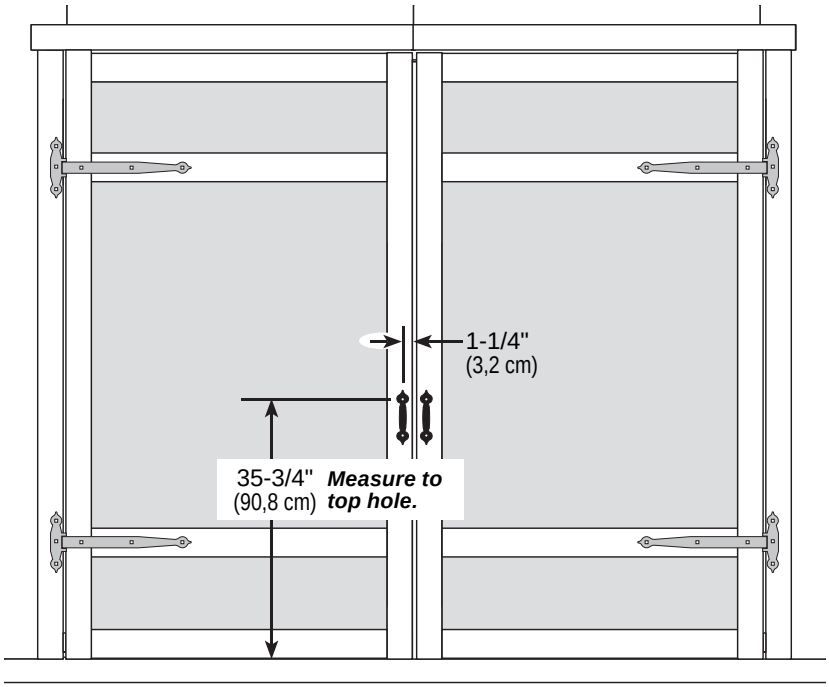
BEGIN

1

Measure 1-1/4" from door trim and mark location for each door handle. Pre-drill holes for screws using a 3/32" drill bit.

Handles are packaged with lag screws. (See **Fig. A**).

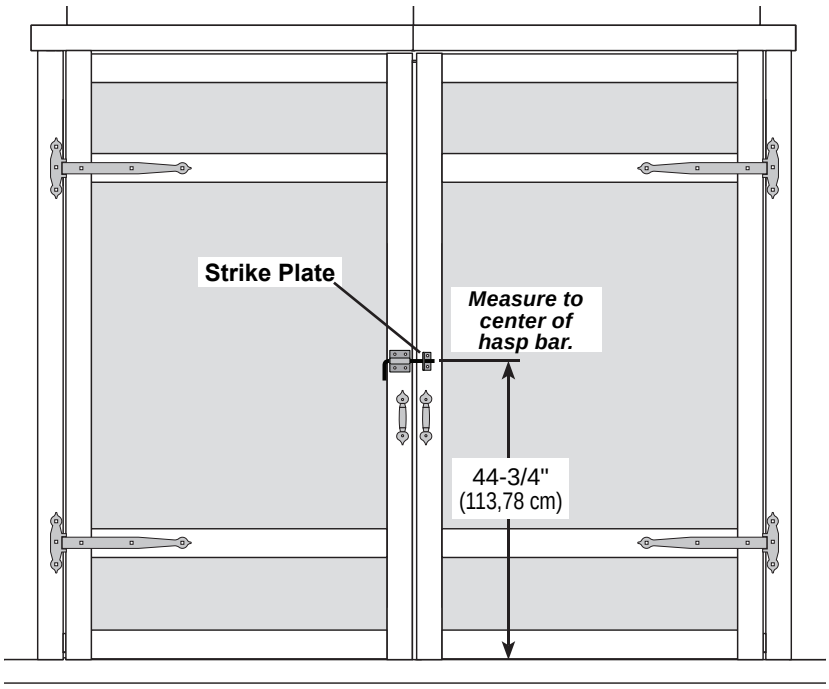




2

Measure and mark height of door latch, as shown.
Center latch and strike plate on trim.
Drill pilot-holes for (6) screws using a 3/32" drill bit.

Secure with 1-1/2" screws



FINISH

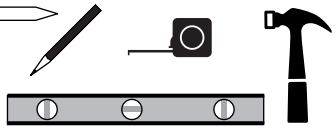
Your double door hardware is now installed.

SINGLE DOOR HINGE BOARDS

PARTS REQUIRED:

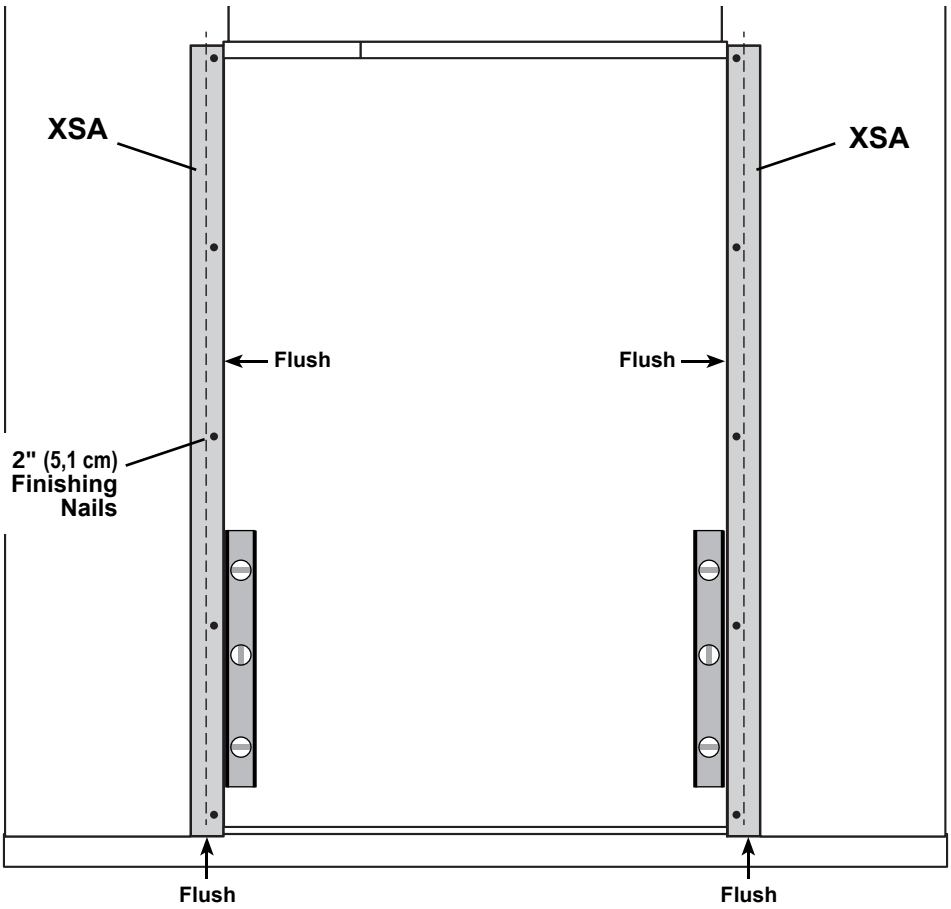
x2 **XSA**
1 x 3 x 69-3/4" (2,5 x 7,6 x 177,2 cm)

x10 2" (5,1 cm)



BEGIN

1 Install trim flush to the bottom of wall panels and flush along edge of door panels. Secure trim with 2" finishing nails.



FINISH

Your hinge board and vertical trim are now installed.

SINGLE DOOR

PARTS REQUIRED:

x2 **WTA** *Temporary Support*
1 x 4 x 84" (2,5 x10,2 x 213,4 cm)

x1 **NFP**
4/4 x 3-1/2" x 57-5/8" (2,5 x 8,9 x 147,0 cm)

x6 3" (7,6 cm) Lag Screw

x3 3" (7,6 cm)

x4 2" (5,1 cm)

x6 5/16" (0,8 cm) **Washer**

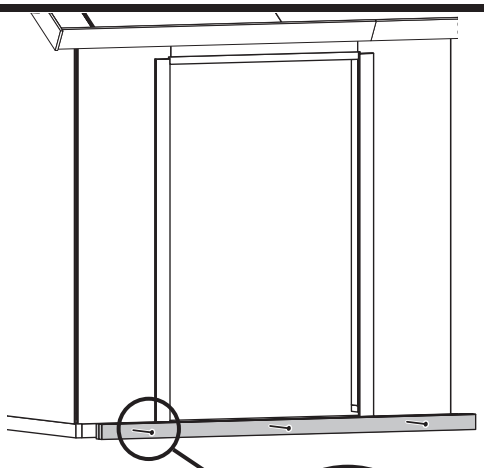
1/8" (3 mm) Drill Bit

3 Install (2) stacked temporary supports **WTA** flush to bottom of wall panels (1" below floor decking). Secure with 3" wood screws **(Fig. A)**.

4 Center door in door opening **(Fig. B)**.
- Ensure door is flush to bottom of wall panels.
- Ensure 3/8" measurement along door trim.

5 Pre-drill holes for lag screws using a 1/8" drill bit. Secure hinges to wall studs with 3" lag screws and washers, as shown.

6 Center **LQA** over the door, flush to installed trim. Secure with 2" finishing nails evenly spaced.



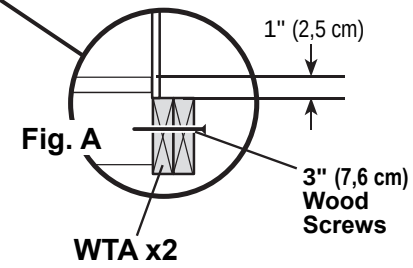
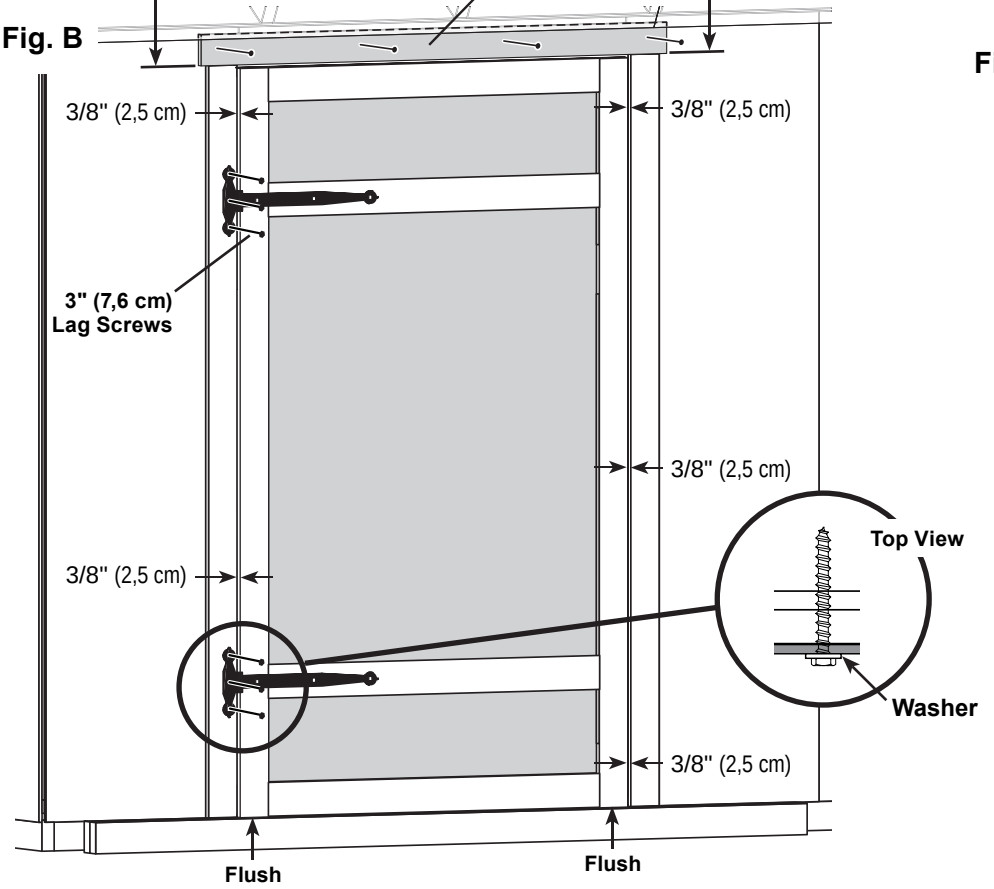
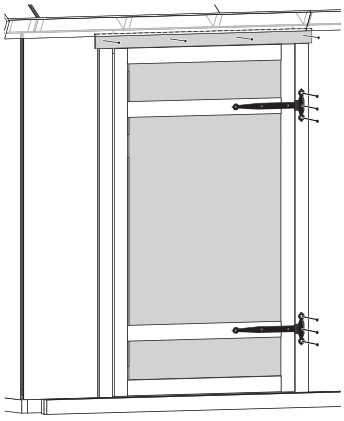


Fig. A

Fig. B





SINGLE DOOR
Hinges Right

Ensure that the door opens properly.
Remove temporary supports..

FINISH

Your single door is now installed.

SINGLE DOOR WEATHERSTRIPS

PARTS REQUIRED:

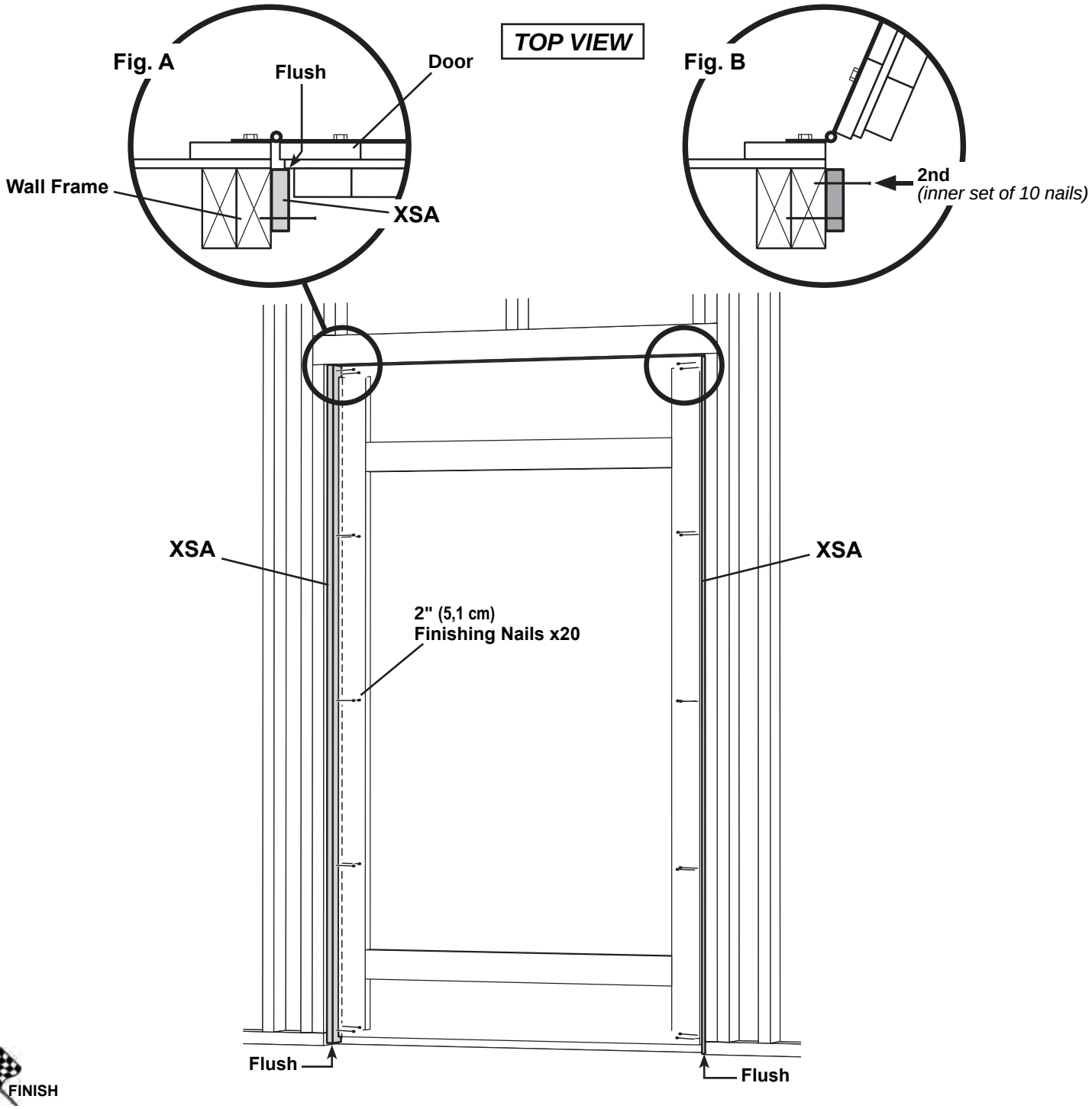
x10 2" (5,1 cm)

x2 **XSA** 1 x 3 x 69-3/4" (2,5 x 7,6 x 177,2 cm)

BEGIN

1 With door closed, install (2) **XSA** weatherstrips flush along inside of door and flush to floor. Secure with the first (10) 2" finishing nails, as shown **(Fig. A).**

2 Open door and complete the securing of weatherstrips with the second set of (10) 2" finishing nails **(Fig. B).**



FINISH

Your single door weatherstripping is now installed.

SINGLE DOOR HARDWARE

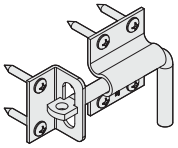
PARTS REQUIRED:

x1

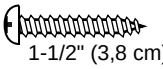
Heavy Duty Handle

x1

Latch and screws

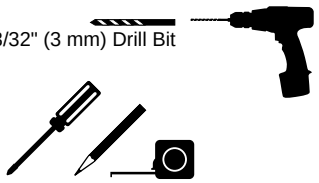


x6



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

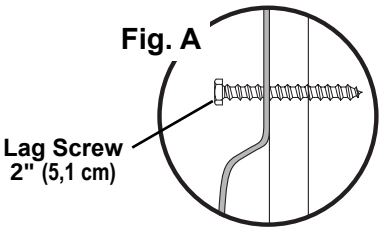
3/32" (3 mm) Drill Bit

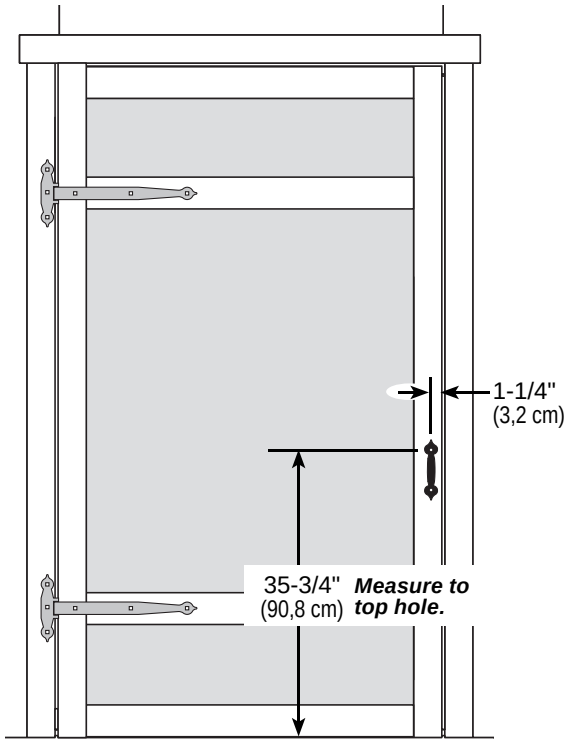


BEGIN

1 Measure and mark location for door handle, as shown.
Pre-drill holes for screws using a 3/32" drill bit.
Handle is packaged with lag screws.
(See **Fig. A**).

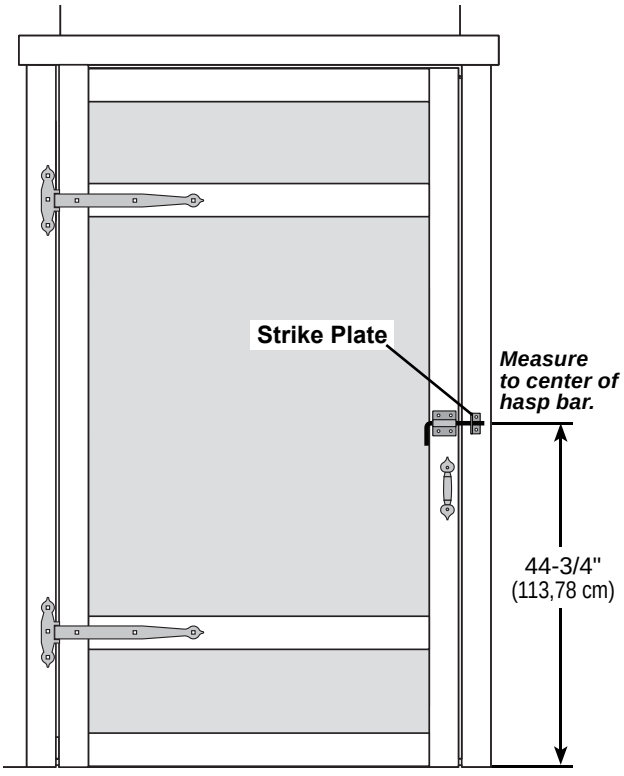
Fig. A





2 Measure and mark height of door latch, as shown.
Center latch and strike plate on trim.
Drill pilot-holes for (6) screws using an 3/32" drill bit.

Secure with 1-1/2" screws



FINISH

Your single door hardware is now installed.

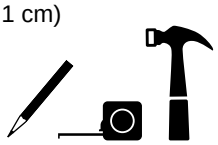
CORNER TRIM

PARTS REQUIRED:

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

x4 3/8 x 2-1/2 x 81-7/8" (1 x 6.3 x 208 cm)

x64 2" (5,1 cm)

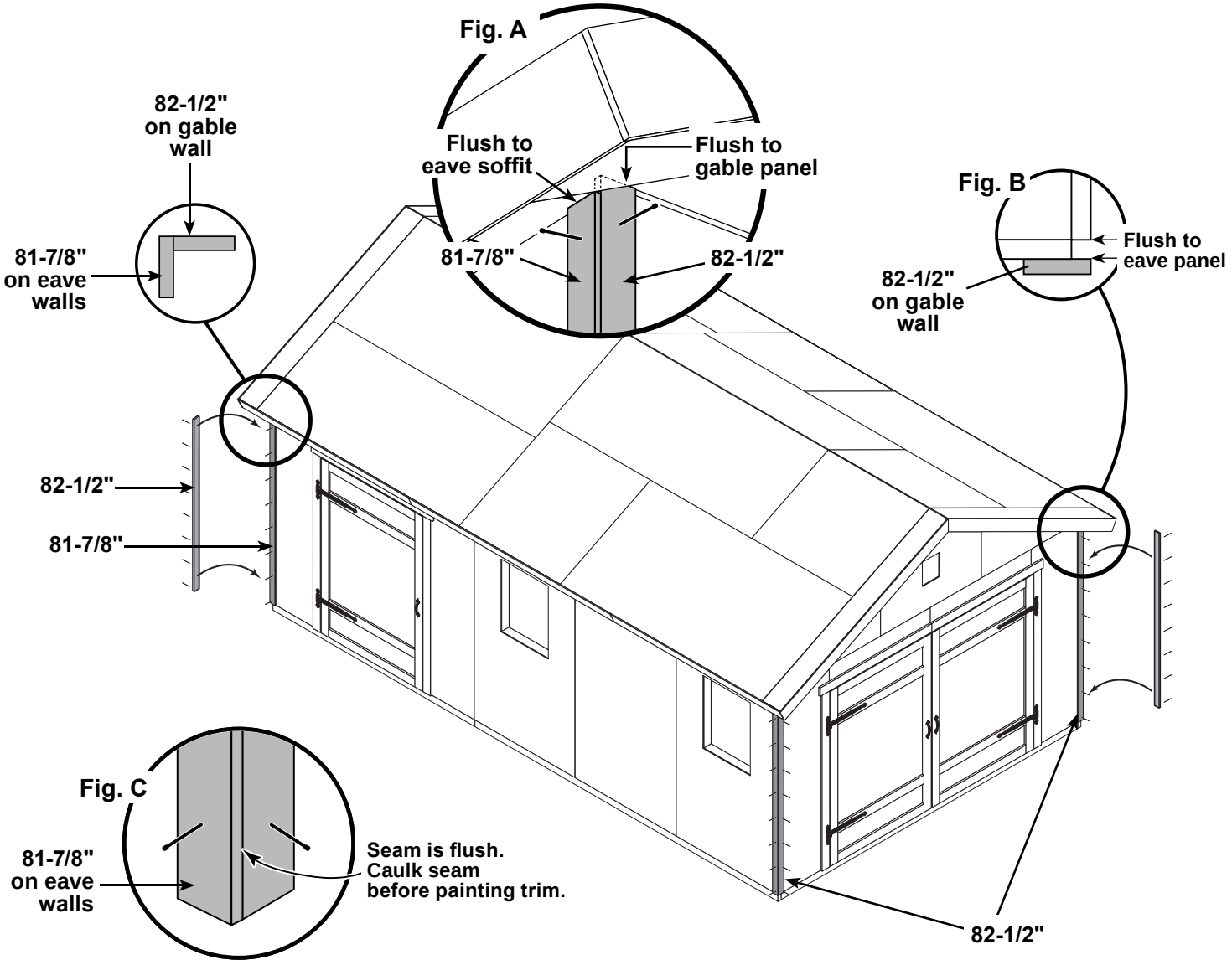


BEGIN

1 Install gable end **82-1/2"** corner trim flush to gable panel **(Fig. A)** and flush with 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

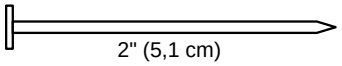
Your corner trim is now installed.

COLLAR TIE INSTALLATION

PARTS REQUIRED:

x4 **WTA**
1 x 4 x 84" (5,1 x 10,2 x 213,4 cm)

x24



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 to the right of the door, install first collar tie on the 2nd rafter from the eave wall and then on ***every other*** rafter, as shown.

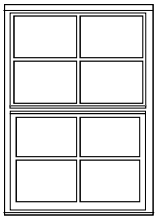
HINT:
For best appearance, install collar ties on side of rafter away from door.

FINISH

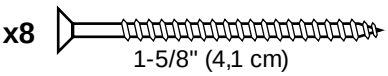
Your collar ties are now installed.

WINDOWS AND WINDOW TRIM

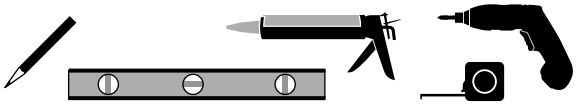
PARTS REQUIRED:



x2 **Large Window**



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



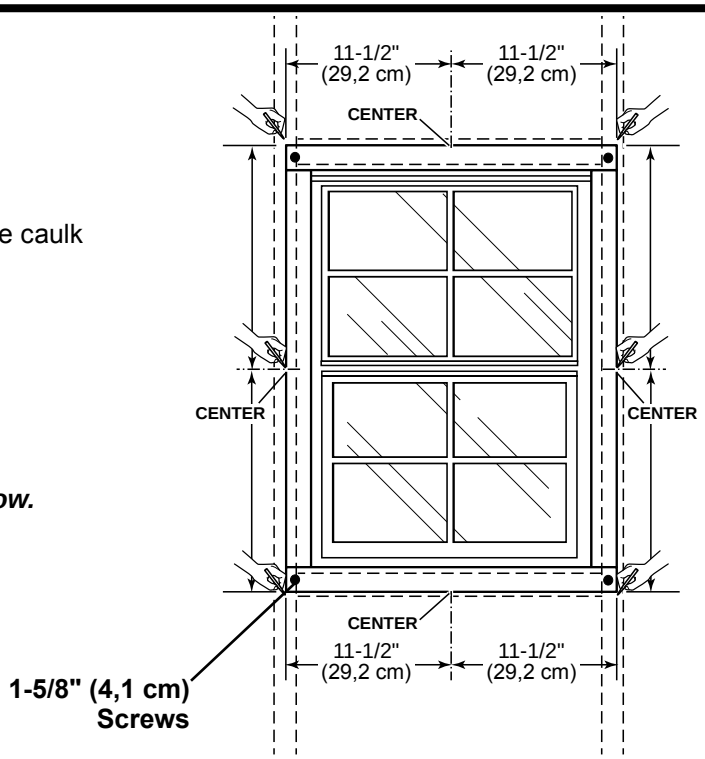
BEGIN

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.
Ensure window is level.

Repeat steps to install the second window.



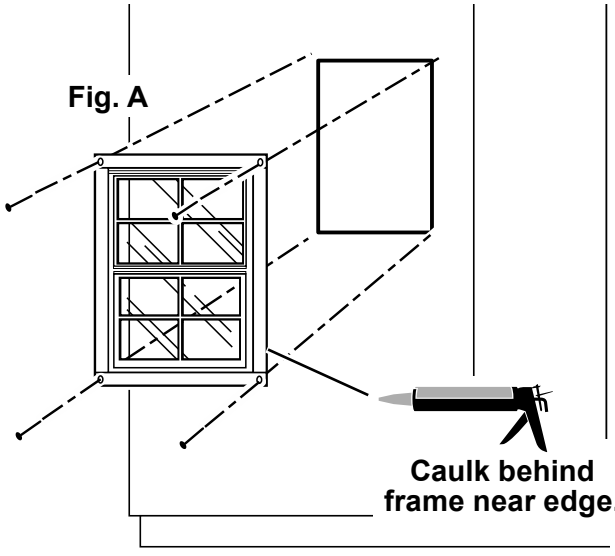


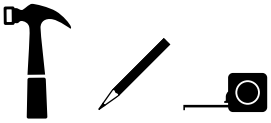
Fig. A

WINDOW TRIM

PARTS REQUIRED:

x32 2" (5 cm)

x8 **BF**
19/32 x 3-1/2 x 30-1/8" (1,5 x 8,9 x 76,5 cm)

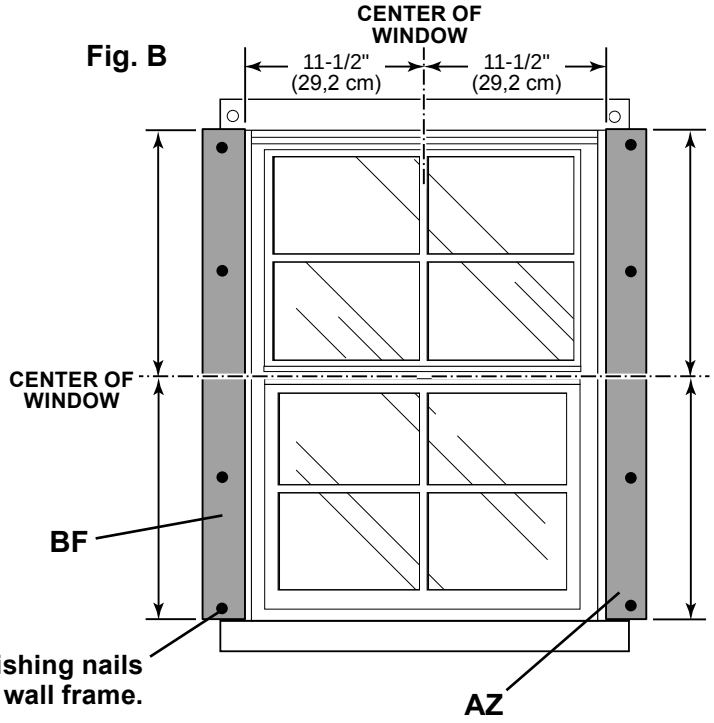


4 Place the inside edge of **BF** 11-1/2" apart from the center of window, as shown **(Fig. B)**.

Center trim vertically on window.

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

Fig. B



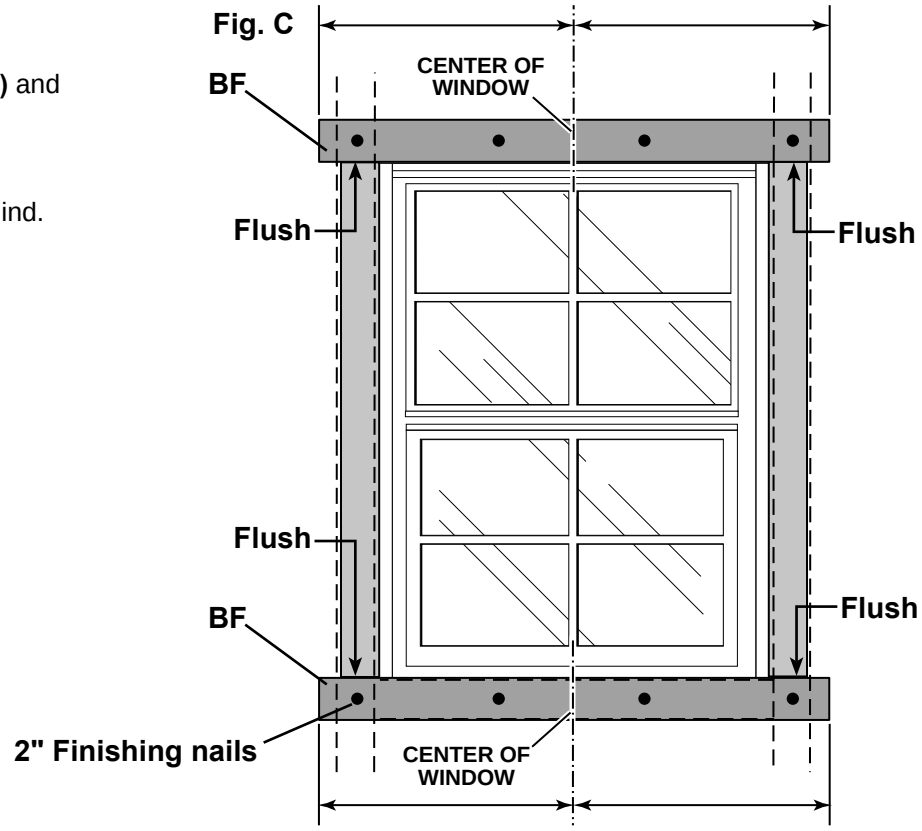
5 Place **BF** flush to installed **BF (Fig. C)** and center trim horizontally on window.

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

Repeat to install bottom **BF**.

Repeat steps 4 & 5 to install trim for the second window.

Fig. C



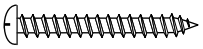
FINISH

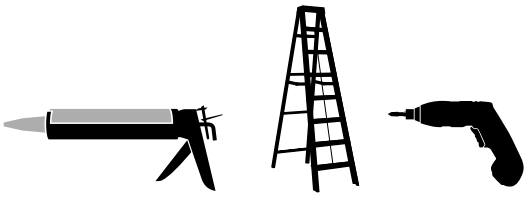
Your windows and window trim are now installed.

GABLE VENTS

PARTS REQUIRED:

x2 

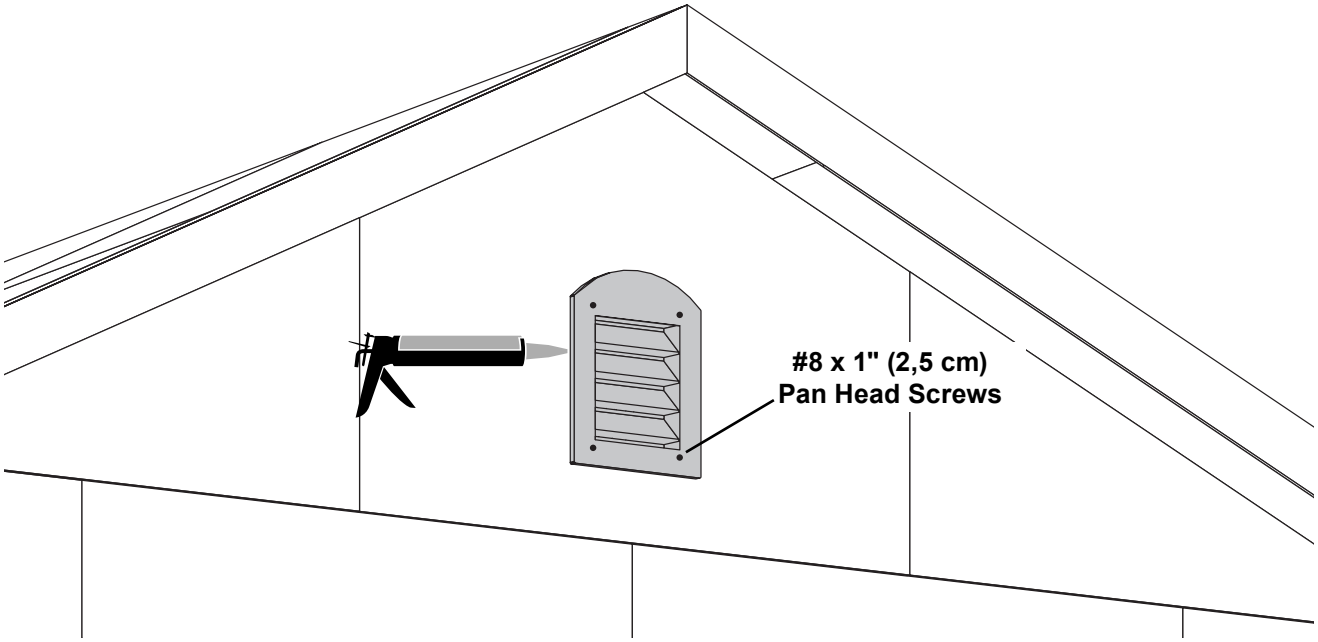
x8 
#8 x 1" (2,5 cm)
Pan Head Screws



BEGIN

1 Locate vent in the gable wall, as shown.
Seal vent from behind with exterior grade caulk before installing.

Secure vent with 1" screws.



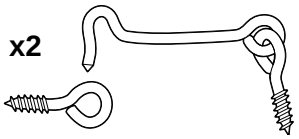
Repeat to install 2nd vent in the opposite gable.

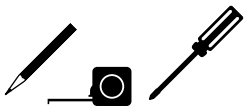
FINISH

Your vents are now installed.

HOOKS & EYES

PARTS REQUIRED:

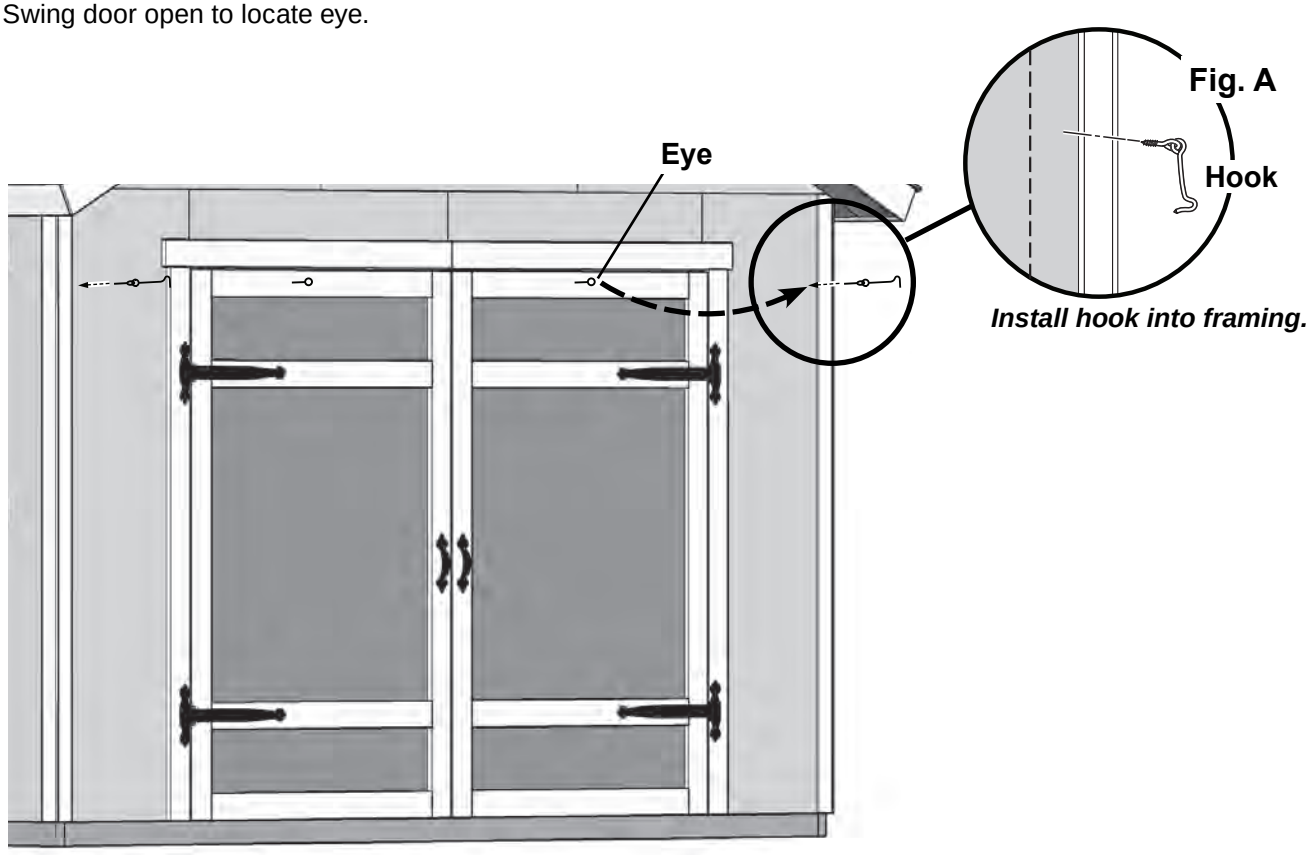




BEGIN

1 Install hooks in wall and into wall framing **(Fig.A)**.

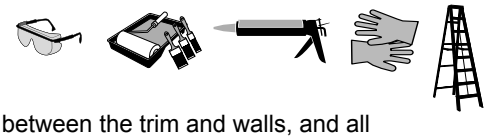
2 Swing door open to locate eye.



FINISH

You have installed your hooks & eyes.

PAINT & CAULK
- NOT INCLUDED -



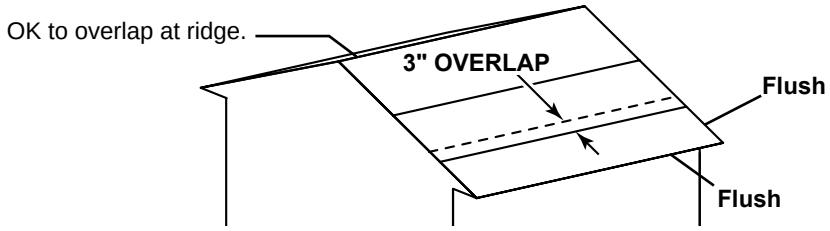
- Use acrylic latex caulk that is paintable. Caulk at all horizontal and vertical seams, between the trim and walls, and all around the door trim.

- 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.)

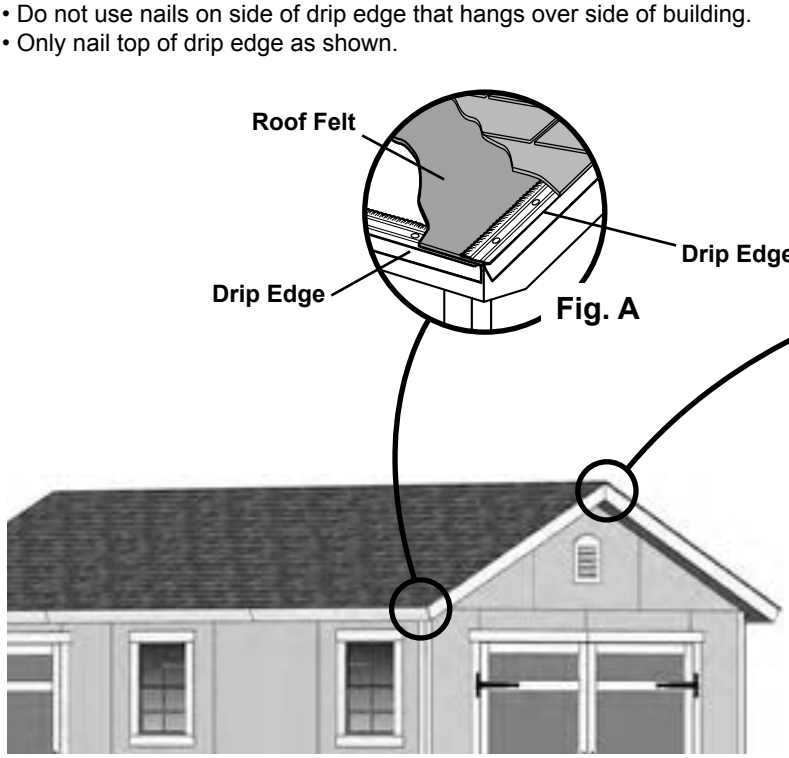
ROOF FELT
- NOT INCLUDED -

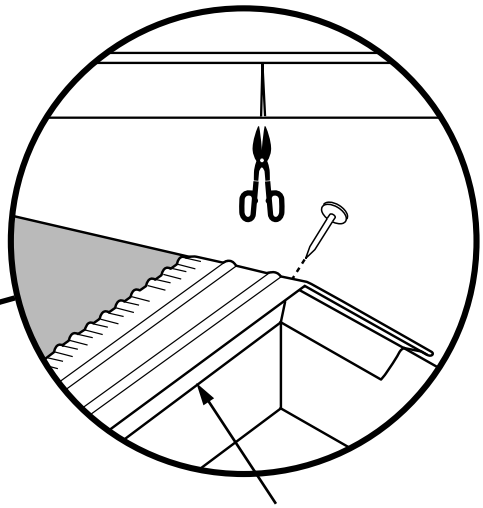
- Install felt flush to all roof edges overlapping 3". Use minimal amount of roofing nails to hold in place.



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.



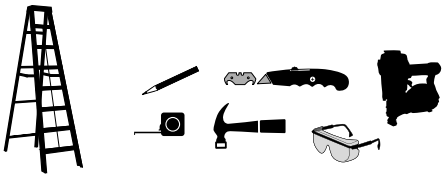


Snip bottom side of drip edge and bend over to other side of roof.

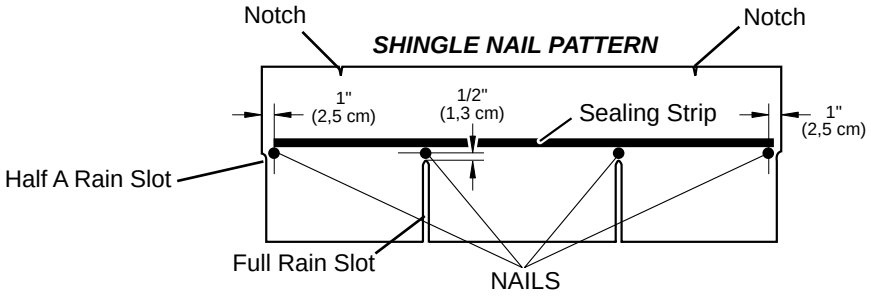
(Follow directions provided by manufacturer.)

SHINGLES
- NOT INCLUDED -

• Follow directions provided by manufacturer and these instructions.



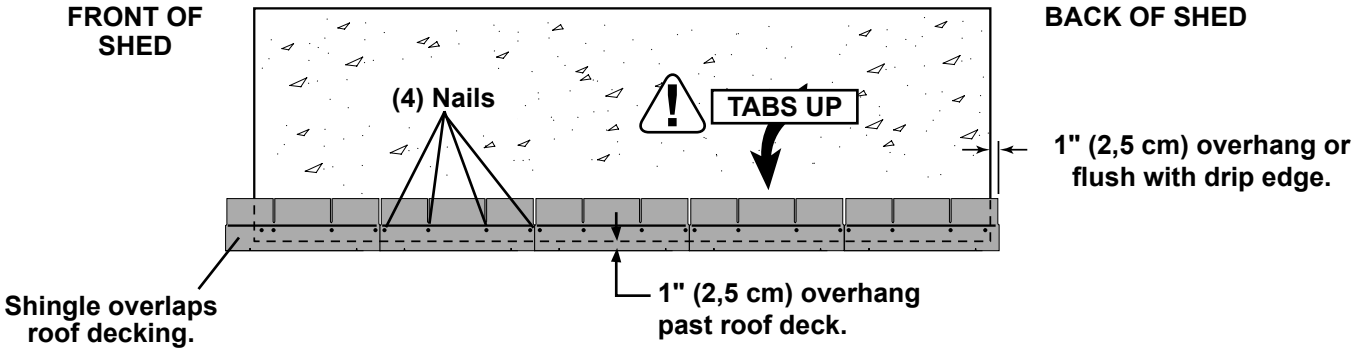
⚠ Familiarize yourself with a 3-Tab Shingle.



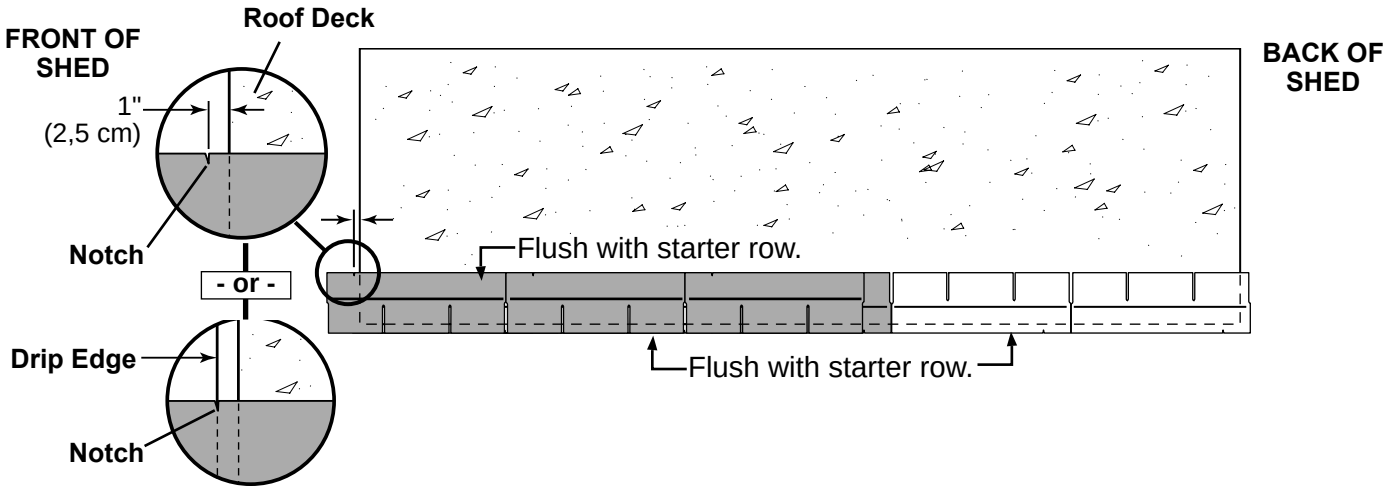
⚠ NEVER DRIVE FASTENERS INTO OR ABOVE SEALING STRIPS.

✓BEGIN

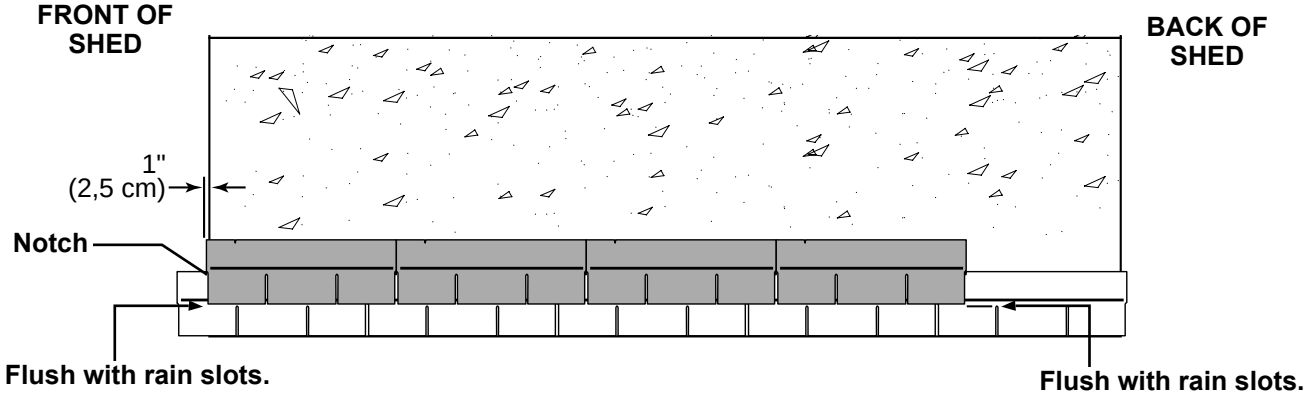
1 Install first starter row upside down and color up with a 1" overhang at back and bottom of roof panel. Use (4) nails per shingle.
Starter row must be straight and level all the way across with lower edge of roof deck.
NOTE: If you have installed drip edge install shingles flush to drip edge.



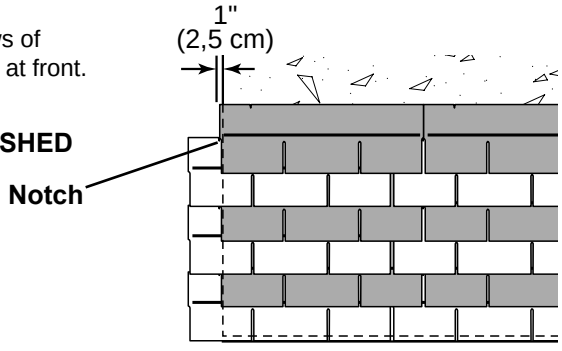
2 Beginning at front of shed, install first row of shingles with notch at 1" past roof edge or flush with drip edge.



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.

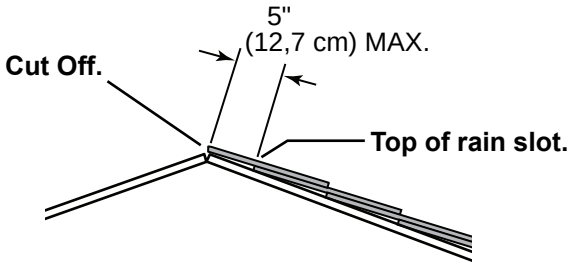


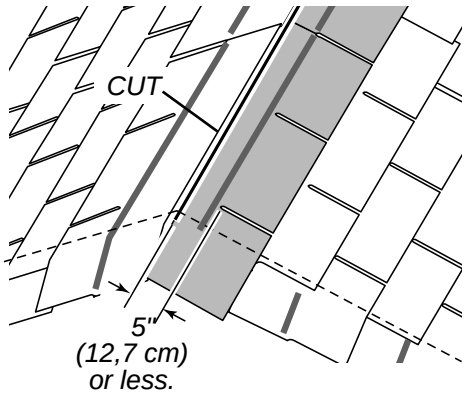
4 Continue installing rows of shingles by staggering at front.



SHINGLES
continued...

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



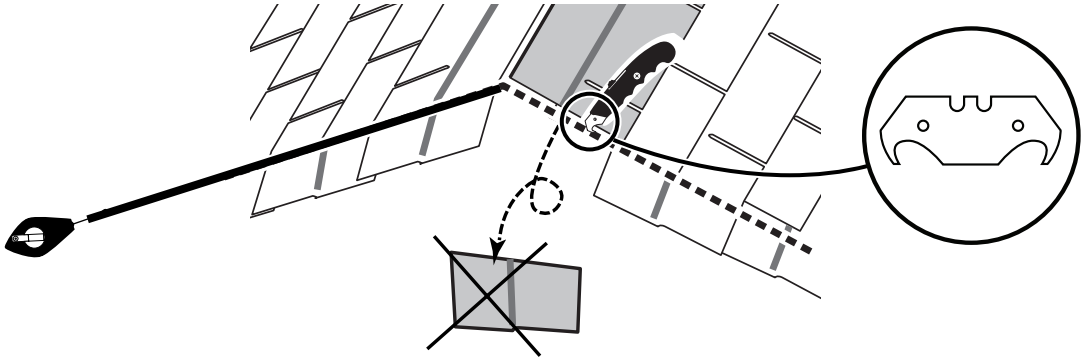


⚠ **• If more than 5" to rain slot you must install another row of shingles.**

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

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

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

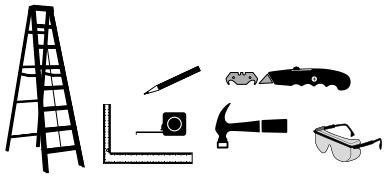


FINISH

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

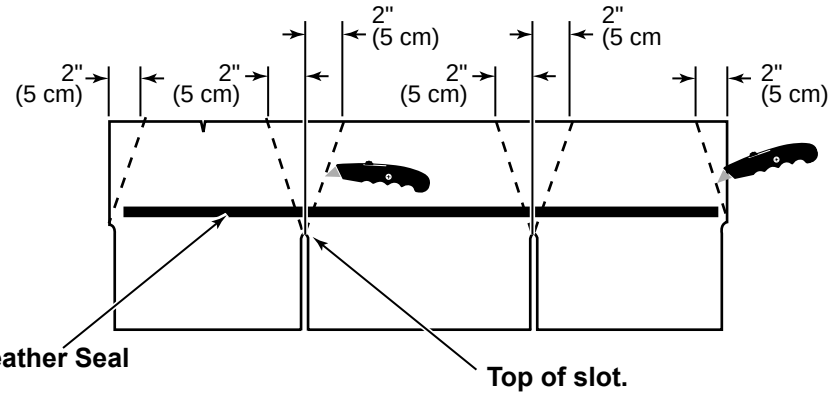
SHINGLES - RIDGE CAP

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



BEGIN

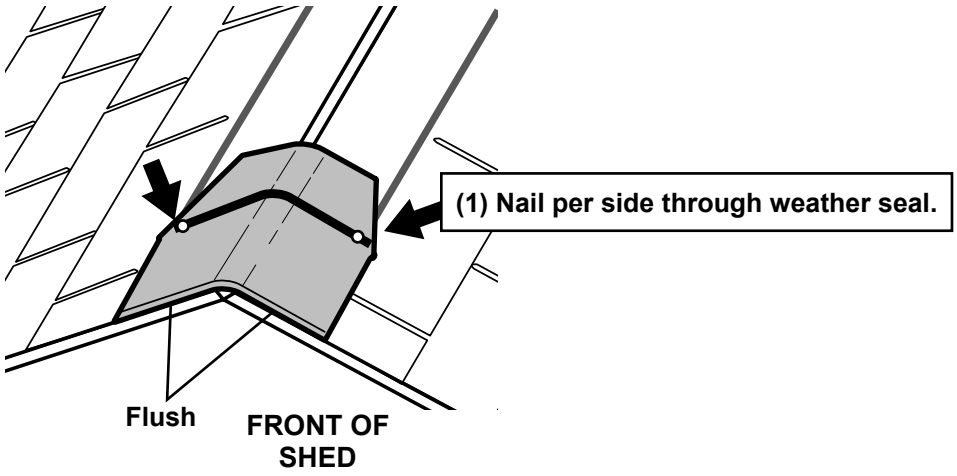
1 Cut shingles into THREE pieces. **Hint:** Use cut-off pieces first.



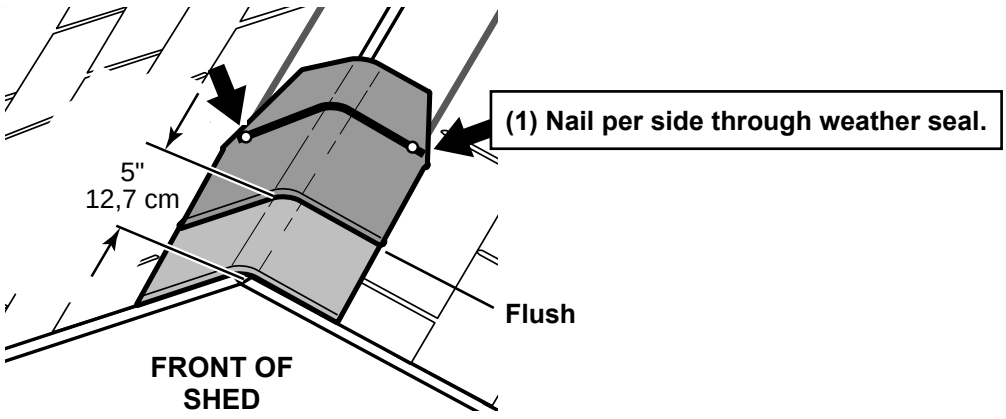
Score shingle, then snap-off angled cut.

Note: • You will need about 54-56 cut pieces.

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

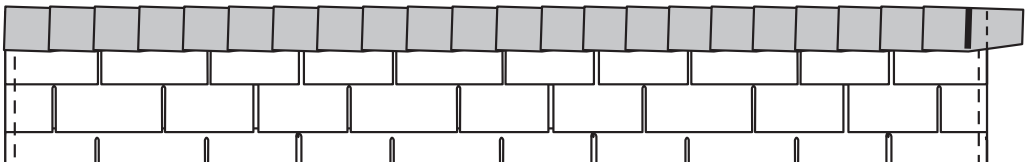


3 Install second ridge cap 5" back, as shown.

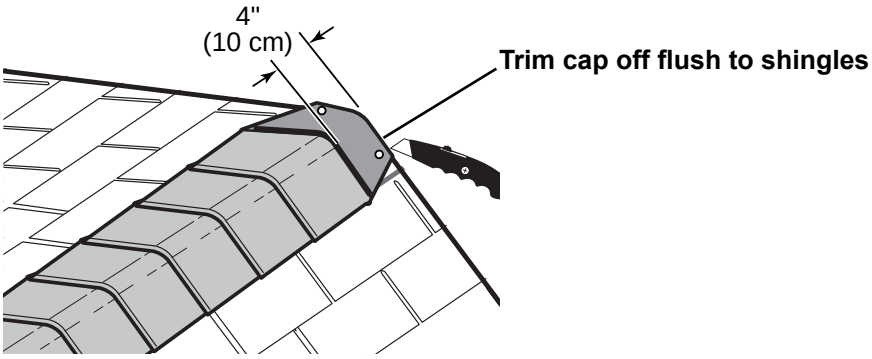


SHINGLES - RIDGE CAP
continued...

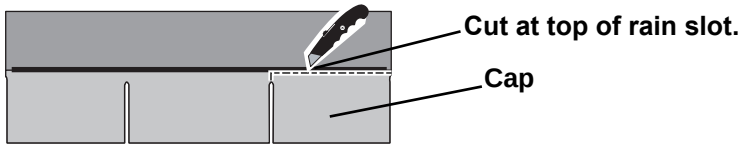
4 Continue installing ridge cap to back of roof.



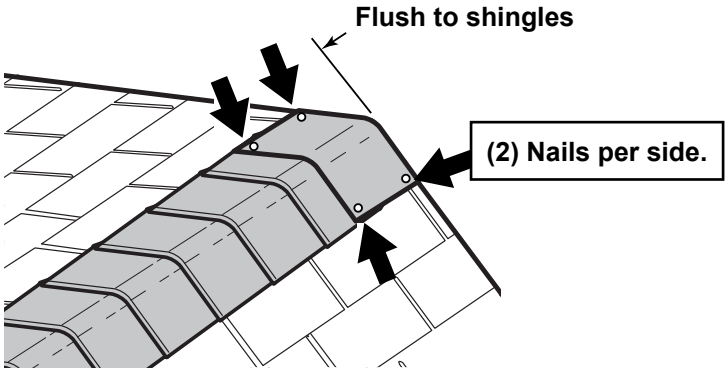
5 Make sure there is 4" between the shingle-color and edge of shingles.



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.

16666 12' x 20' Order Form

CATEGORY	PART DESCRIPTION	PART SIZE	PART ITEM #	BUILDING QTY.	PART ID
2 X 4	Plate	LUM SPF 2X4X96 #2&BTR	12306	10	TP
	Plate / Doubler	2 X 4 X 92 1/2"	O 92080000000	6	TJ
	Birdsmouth Rafter	2 X 4 X 88-11/16" 26.5* O/E BIRD	O 8811260500N	22	DNB
	Rake Framing	2 X 4 X 88-11/16" 26.5* O/E R	O 88112605000	8	KFB
	Double Door Header "A"	LUM SPF 2X4X84 #2&BTR	12307	2	TO
	Wall Stud	2 X 4 X 78 1/2"	O 78080000000	34	AI
	Eave Wall Top Plate	*LUM SPF 2X4X72 #2&BTR	O 72000000000	4	TM
	Jack Stud	2 X 4 X 68-1/2"	O 68080000000	4	YFA
	Vertical Door Reinforcement	2 X 4 X 69"	O 69000000000	6	PJ
	Single Door Header	2 X 4 X 51-3/4"	O 51120000000	2	EGC
	Plate	2X4X48" DOUBLER/ PLATE/ CRATE	O 48000000000	4	SP
	Plate / Doubler	2 X 4 X 44 1/2" PLATE	O 44080000000	6	STL
	Horizontal Door Reinforcement	2 X 4 X 39-1/4"	O 39040000000	6	DHC
	Gable Connector	2 X 4 X 23-1/4" @ 26.5* GABLE	O 23042605000	4	UV
	Horizontal Window Framing	2 X 4 X 22 1/2"	O 22080000000	4	AO
	Double Door Header "B"	2 X 4 X 16-1/8" HEADER "B"	O 16020000000	2	CHC
	Over Door Crippler	2 X 4 X 6 1/2" OVER DOOR	O 06080000000	12	UY
	Overhang Framing	2 X 4 X 4-7/8" OVERHANG BLOCK	O 04140000000	12	CLA
1 X 3 PINE	Gauge Block	1 X 3 X 5" PINE FILLER	U 05000000000	1	GAA
	Door Weatherstrip	1 X 3 X 69-3/4" WEATHERSTRIP	U 69120000000	4	XSA
1 X 4 PINE	Collar Tie	1 X 4 X 84" PINE TRIM	T 84000000000	4	WTA
7/16 OSB	Roof Panel "A"	OSB 7/16" x 4' x 8'	11110	4	---
	Roof Panel "B"	7/16" OSB 8-1/2" X 88-5/8" ROOF PANEL	C 88100808000	4	---
	Roof Panel "C"	7/16" X 40-5/8" X 96" ROOF PANEL	C 96004010000	4	---
	Roof Panel "D"	7/16" OSB 47 7/8" X 48" ROOF	C 48004714000	2	---
	Roof Panel "E"	7/16" OSB 40-5/8" x 48" ROOF	C 48004010000	2	---
	Door Header	7/16" OSB 3 1/4" X 50"	C 50000304000	3	---
GUSSETS	Gusset	EZ 8" 6" X 24" GUSSET 28*-	J 24000600280	20	---
NO GROOVE SIDING	Backwall & Sidewall Panel	SIDING NGSE 3/8X4'X7'	11507	9	---
	Window Wall	3/8"NG EAVE WALL PANEL W/ WIN	K 84004800650	2	---
	Door Wall Panel - Right	NG 23 7/8" X 84" WALL PANEL	K 84002314100	2	---
	Door Wall Panel - Left	NG 23 7/8" X 84" WALL PANEL	K 84002314200	2	---
	Center Gable Panel w/ Hole	3/8" NG 28" X 39 11/16" X 48"	K 4800391104V	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 X 7-7/8" X 86-3/4"	K 86120714000	4	---
	Eave Soffit	3/8" NG 5-7/8" X 96"	K 96000514000	2	---
	Eave Fascia	3/8" NG 4-3/4 " X 96"	K 96000412000	2	---
	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	---
	Gable Trim-RIGHT	3/8" NG 4-3/4" X 89-1/4" 26.5	K 89040412100	2	---
	Gable Trim-LEFT	3/8" NG 4-3/4" X 89-1/4" 26.5	K 89040412200	2	---
	Rafter Spacers	3/8" NG X 3-1/4" X 5-7/8"	K 05140304000	4	---
	Corner Trim Eave Side	3/8"NGx2-1/2"x 81-7/8" TRIM	K 81140208000	4	---
	Corner Trim Gable Side	3/8" NG 2-1/2" X 82-1/2"	K 82080208000	4	---
	Door Weatherstrip	3/8" NG 1 5/8" X 69"	K 69000110000	1	---
	Over Door Panel	3/8" NG 11-1/4" X 48" OVER DOOR PANEL	K 48001104000	3	---
19/32 X 4 SMART TRIM	Window Trim	19/32 TST 3 1/2" X 30 1/8"	UT30020308000	8	BF
4/4 SMART TRIM	Hinge Board	4/4 x 4 x 72-3/8" SMART TRIM	U 72060308000	4	WP
	Over Double Door Trim	4/4 x 3-1/2" x 57-5/8" SMART TRIM	U 57100308000	1	NFP
	Over Single Door Trim	4/4 x 3-1/2" x 53" SMART TRIM	U 53000308000	2	LQA
	Horizontal Door Rail	4/4 x 4 x 41" SMART TRIM	U 41000308000	6	ZPT
PURCHASED COMPONENTS	Large Square Window	WINDOW 22 1/4" X 29 3/4" LG SQ	15281	2	---
	Arched Gable Vent	VENT 8X10, APL# CV12X18W-PE, A	15021	2	---
	Heavy-Duty Strap Hinge	HEAVY DUTY HINGE - 12 X 24 GAR	15227	6	---
	Hardware Kit	H/K (33768/33358) CEDARHILL 12X20 GABLE	15513	1	---
	Hardware Kit	H/K (33707) 10x16 Bellingham	15734	2	---
	Door Latch	LATCH- 12 X 24 GARAGE N100-056	15427	2	---
	Pull Handle	DOOR HANDLE - 12 X 24 GARAGE N	15232	3	---
	HD Spring Bolt	SPRING BOLT, 1.63 TRAVEL, W/SCREWS	15129	2	---
	Nails	NAIL 6D 2" BOX HDG BOX	15105	8	---
	Nails	NAIL 10D 3" BOX HDG BOX	15109	7	---
PACKAGING	Instructions		16666	1	---
	30800				
Door Assembly	Door Panel	SIDING NGSE 3/8X4'X6'	11509	1	---
	Verticall Door Rails	4/4 x 4 x 72" SMART TRIM	U 72000308000	2	WO
	Horizontal Door Rails	4/4 x 4 x 41" SMART TRIM	U 41000308000	2	ZPT

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