**16997**

# STOP!

*Call Us First!*
*DO NOT RETURN TO STORE.*

For questions on assembly or for general inquiries, you may contact us in the following ways:

Call customer service: **1-877-743-3400**

---

# *AVOID THE WAIT!*

visit us online at
**help.backyardproducts.com**

→ Submit a help request

→ Answers to frequently asked questions

→ Live chat with an agent

---

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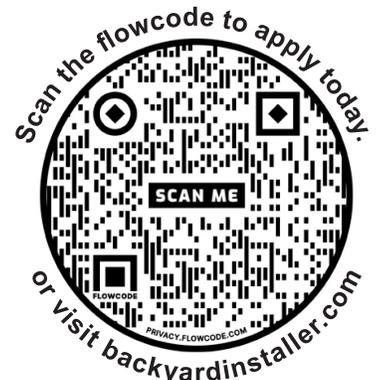
*based on number of completed installations

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# MIDTOWN 8' x 10' (244 x 302,8 cm)
ACTUAL FLOOR SIZE IS 96" x 120" (243,2 x 302,8 cm)

## KEEP THIS MANUAL FOR FUTURE REFERENCE
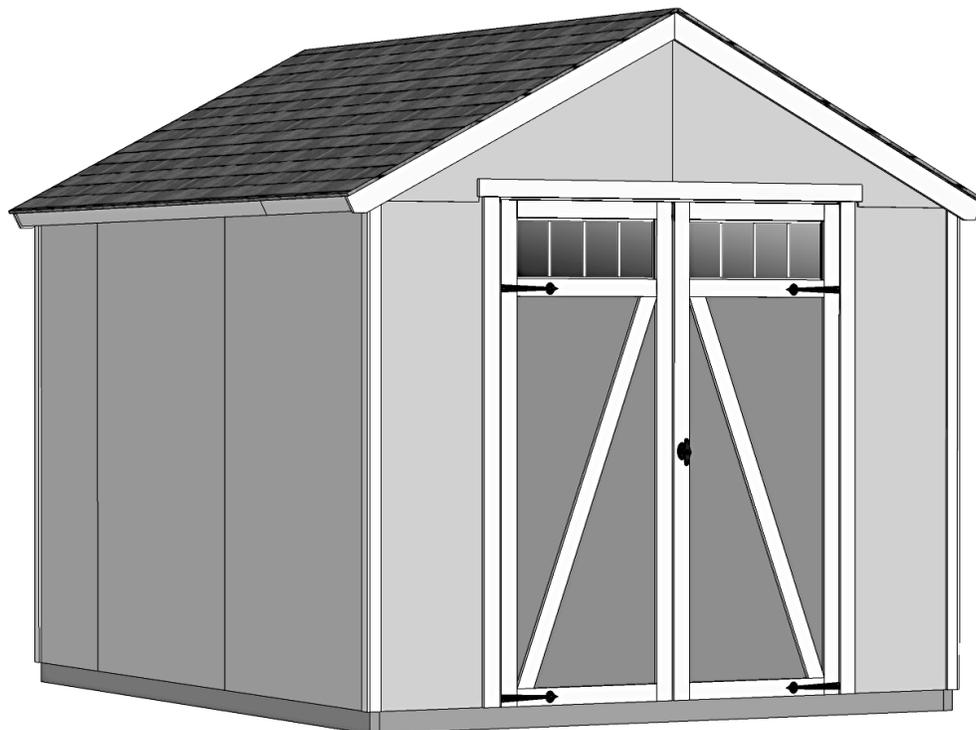


## ⚠️ *IMPORTANT!* ⚠️
**READ INSTRUCTIONS THOROUGHLY PRIOR TO BEGINNING ASSEMBLY.**

## *BEFORE YOU BEGIN*

- **BUILDING RESTRICTIONS AND APPROVALS**
  Be sure to check 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 9.
- **CHECK ALL PARTS**
  Inventory all parts listed on pages 3-5.
- **ADDITIONAL MATERIALS**
  You will need additional materials to complete your shed. See page 6 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: 1-877-743-3400  email: backyardproductsllc.com**

## TOOLS

### Required

❏ Phillips Screwdriver

❏ Drill / Driver
    ❏ 1/8" Drill Bit
    ❏ 1/4" Drill Bit
    ❏ 5/16" Drill Bit
    ❏ 1/2" Drill Bit
    ❏ #2 Philips Drive Bit

❏ Hammer

❏ Level

❏ Pencil

❏ Tape Measure

❏ Square    or

❏ Utility Knife
    ❏ Shingle Blades

❏ Caulk Gun

❏ Paint Tools

❏ Safety Glasses

❏ Ladder

### Optional

❏ Tool Belt/ Nail Pouch

❏ Tin Snips (for drip edge)

❏ Chalk Line

❏ Nail Gun
  • gun nails

❏ Gloves

Safety! Always use approved safety glasses during assembly.

## HELPFUL REMINDER SYMBOLS
Look for these symbols for helpful reminders throughout this manual.

= Assistance Required; two or more people.

= Ensure squareness.

= Important required step or operation.

= Helpful assembly hint.

= Mark part with pencil.

√**BEGIN** = Beginning of steps for assembly or installation.

**FINISH** = You have finished the assembly or installation.

= Level

## ORIENT LUMBER AND TRIM FOR BEST APPEARANCE

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

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

**A**

**B**

**C**
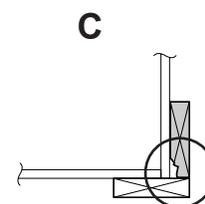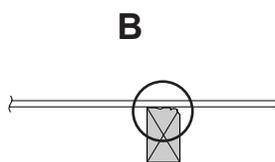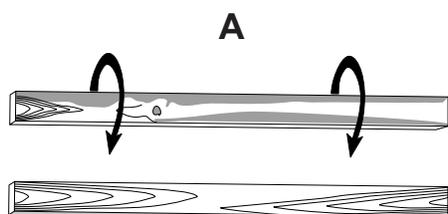
# PARTS IDENTIFICATION AND SIZES

Part identification letters
are stamped on some parts.

RS      RS
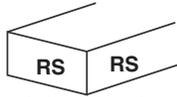
Check these locations for
part stamp.

Treated lumber is stamped:

**TREATED**

**WOOD SIZE CONVERSION CHART**

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

## PARTS LIST

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

### WALLS

- ☐ **x1** **GAA** 1 x 3 x 5" (2,5 x 7,6 x 12,7 cm)   Gauge Block for 3/4" (1,9 cm) measurement — 3/4" (1,9 cm)
- ☐ **x2** **RD** 2 x 4 x 16-1/2" (5,1 x 10,2 x 41,9 cm)
- ☐ **x1** **NCA** 2 x 4 x 18-1/2" (5,1 x 10,2 x 47 cm)
- ☐ **x1** **SBA** 2 x 4 x 21" (5,1 x 10,2 x 53,3 cm)
- ☐ **x4** **RL** 2 x 4 x 24" (5,1 x 10,2 x 61 cm)
- ☐ **x21** **UM** 2 x 4 x 68" (5,1 x 10,2 x 172,7 cm)
- ☐ **x1** **OY** 2 x 3 x 72" (5,1 x 7,6 x 182,9 cm)
- ☐ **x3** **SZ** 2 x 4 x 89" (5,1 x 10,2 x 226,1 cm)
- ☐ **x4** **TP** 2 x 4 x 96" (5,1 x 10,2 x 243,2 cm)
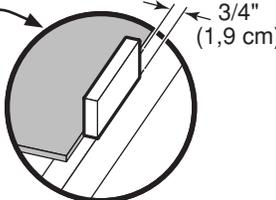
### RAFTERS

- ☐ **x10** 6 x 24" (15,2 x 61 cm) **OSB OR WOOD GRAIN**
- ☐ **x12** **WI** 2 x 4 x 54-1/16" (5,1 x 10,2 x 137,3 cm)

### TRIM

- ☐ **x2** **ROR** 19/32" x 2-1/2 x 28-1/2" (5,1 x 2,5 x 72,4 cm)
- ☐ **x2** **EFC** 2 x 3 x 49-1/2" (5,1 x 7,6 x 125,7 cm)
- ☐ **x2** **BSR** 19/32" x 3-1/2 x 58-7/8" (2,5 x 8,9 x 149,5 cm)
- ☐ **x2** **BSL** 19/32" x 3-1/2 x 58-7/8" (2,5 x 8,9 x 149,5 cm)
- ☐ **x1** **WR** 19/32" x 2-1/2 x 63" (2,5 x 6,3 x 160 cm)
- ☐ **x8** 3/8 x 1-3/4 x 71-1/2" (1 x 4,4 x 181,6 cm)
- ☐ **x2** **OY** 2 x 3 x 72" (5,1 x 7,6 x 182,9 cm)
- ☐ **x2** **DKB** 19/32" x 2-1/2 x 93" (2,5 x 6,3 x 236,2 cm)

### DOOR

- ☐ **x2** **FA** 19/32" x 2-1/2 x 22-5/8" (2,5 x 6,3 x 57,5 cm)
- ☐ **x1** **ACL** 19/32" x 2-1/2 x 51" (1,5 x 7,6 x 67,6 cm)
- ☐ **x1** **ACR** 19/32" x 2-1/2 x 51" (1,5 x 7,6 x 67,6 cm)
- ☐ **x2** **OO** 69" (175,3 cm) Door Stiffener

3

# PARTS LIST continued...

## WALL PANELS & DOORS

**Wall panels are 3/8" (1,0 cm) thick.**  **NOTE: Panel parts are not stamped.**

☐ **x2**  ☐ **x2**  ☐ **x6**

☐ **x1**  ☐ **x1**

☐ **x1**  ☐ **x1**

3/8 x 19-7/8 x 72"
(1 x 50,5 x 182,9 cm)

3/8 x 23-7/8 x 72"
(1 x 68,3 x 182,9 cm)

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

☐ **x1**
**LEFT DOOR**

☐ **x1**
**RIGHT DOOR**
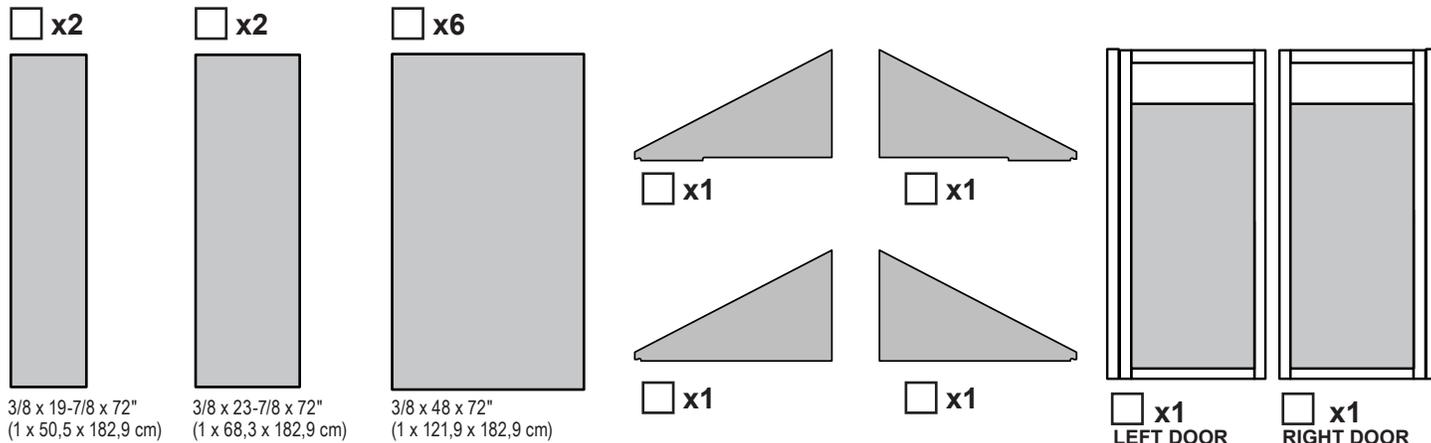
## ROOF PANELS

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

☐ **x2**  7/16 x 9-3/4" x x 96"
(1,1 x 24,8 x 243,2 cm)

☐ **x2**  7/16" x 9-3/4" x x 23-7/8"
(1,1 x 24,8 x 60,6 cm)

☐ **x2**  7/16" x 48" x 96"
(1,1 x 121,9 x 243,2 cm)

☐ **x2**  7/16" x 23-7/8" x 48"
(1,1 x 60,6 x 121,9 cm)
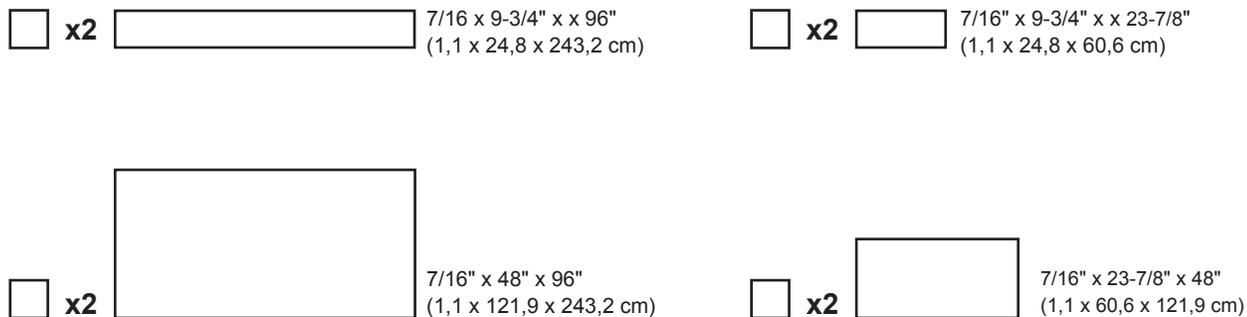
## FASTENER/HARDWARE BAG

x150   1-1/2" (3,8 cm)
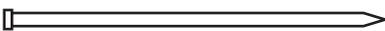
x140   2" (5,1 cm)

x60   3" (7,6 cm)

x22   2" (5,0 cm)

x40   1-1/4" (3,2 cm)

x75   3/4" (1,9 cm)

x12   1/2" (1,3 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)

x2 BOXES   3" (7,6 cm)
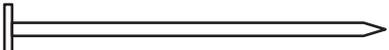
x3 BOXES   2" (5,1 cm)

## VENT, DOOR HARDWARE, and WINDOWS

x1

x4

x2

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

x12   3/4" (1,9 cm)

x8   1" (2,5 cm)

x2   **Transom Window**

x2   8 x 16" (20,3 x 35,6 cm)

x1   **55-7/8" Metal Threshold**
3/4" (1,9 cm) x10
**Bagged seperately / special coating**
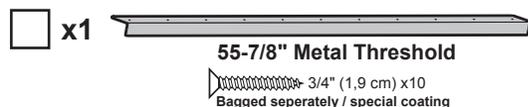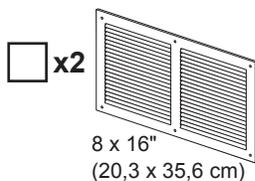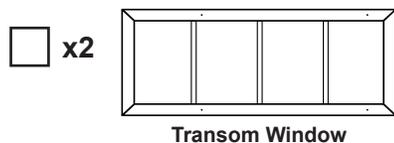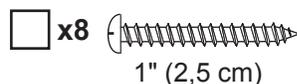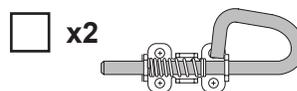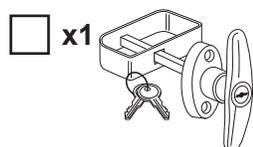
## ADDITIONAL MATERIALS

## FOUNDATION OR FLOOR MATERIALS

• If your shed came with a separate floor kit, then please use the instructions supplied with that kit to assemble your floor.

• See the FLOOR LEVELING section on page 9 for recommended methods and suggested materials to properly level your floor, as this will vary depending on your specific site.

• If you choose to install your floor on a concrete slab, refer to page 7.

• If you choose to build your own wood floor foundation, refer to page 8.

## REINFORCED WOOD FLOOR FRAME (OPTIONAL)

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

☐ **x2** 2 x 4 x 10' (5,1 x 10,2 x 304,8 cm) Treated Lumber
Cut to 2 x 4 x 117" (5,1 x 10,2 x 297,2 cm)

☐ **x8** 3" (7,6 cm) hot-dipped galvanized nails
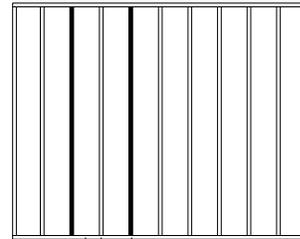
Optional 12" (30,5 cm) spacing
Standard 16" (40,5 cm) spacing

## COMPLETING YOUR SHED
You will need these additional materials:

☐ **3-TAB SHINGLES** ............................ 5 Bundles

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

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

☐ **PAINT FOR TRIM** .............................2 Quarts
Use 100% acrylic latex exterior paint.

☐ **CAULK** ................................................ 2 Tubes
Use acrylic latex exterior caulk that is paintable.

*You must caulk completely around window frame to validate your warranty. Use a paintable exterior rated caulk.*

## OPTIONAL MATERIALS

☐ **DRIP EDGE** ..................... 50 Feet

☐ **#15 ROOFING FELT**
To cover 116 Sq. Ft. of roof area.

☐ **1" GALVANIZED ROOFING NAILS**.........1/4 Lb
For roofing felt.

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

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

**Treated Sill Plate**

**Caulk between sill plate and concrete.**

3-1/2" (8,9 cm)

C   B

A

4" (10,2 cm)

DOOR
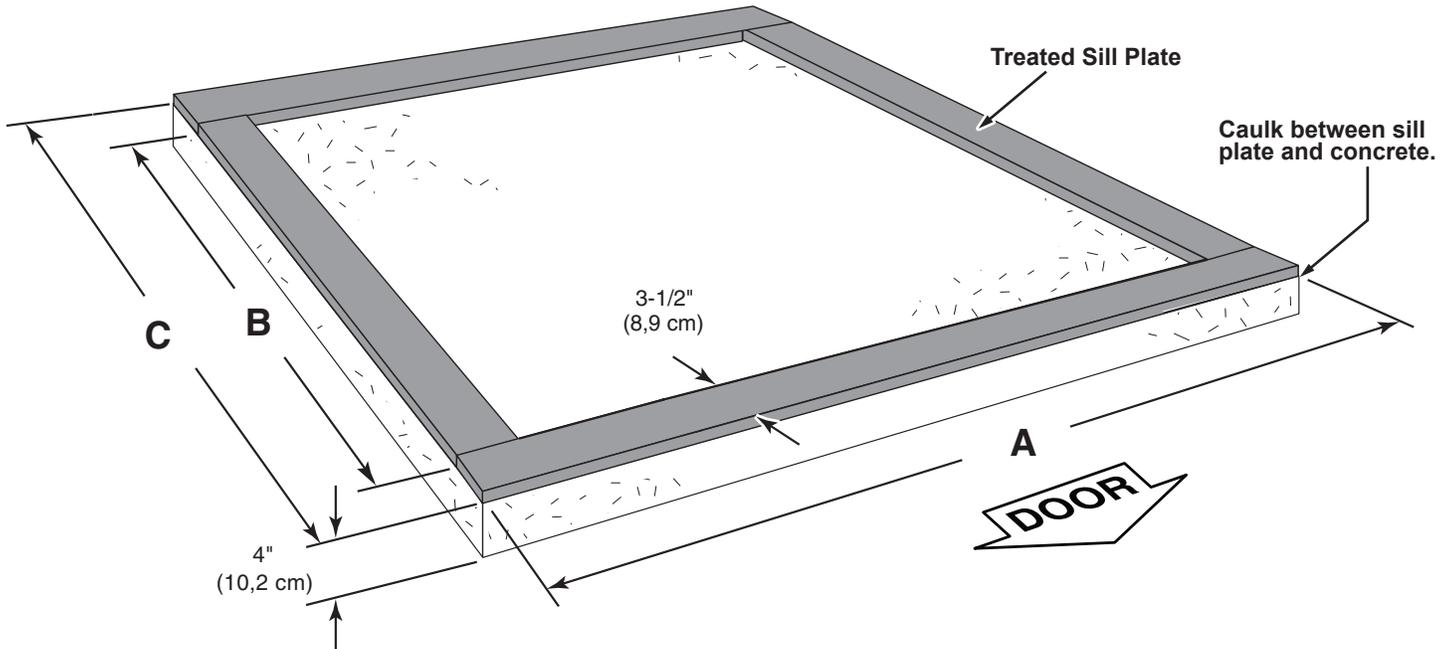
| Building Size | Actual Floor Size | A | B | C |
|---|---|---|---|---|
| 8'x 10' (243,8 x 304,8 cm) | 96" x 120''' (243,8 x 304,8 cm) | 96" (243,8 cm) | 113" (287 cm) | 120" (304,8 cm) |

**Requires:**

☐ **x2** 2 x 4 x 10' (5,1 x 10,2 x 304,8 cm) ⚠ **MUST be treated lumber.**
Cut to 113" (287 cm)

☐ **x2** 2 x 4 x 8' (5,1 x 10,2 x 243,8 cm) ⚠ **MUST be treated lumber.**

☐ **x1** Caulk ◁▭

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

• A treated 2 x 4 (5,1 x 10,2 cm) sill plate is required when installing your shed on concrete.
 **Hint: Use treated lumber in your kit or purchase full length treated lumber.**

• Use a high quality exterior grade caulk beneath all sill plates.

• Fasten 2 x 4 (5,1 x 10,2 cm) sill plates to slab using approved concrete anchors **(fasteners not included)**.

• Check local code for concrete foundation requirements.

## NOTES

_____

_____

_____

_____

_____

_____

# BUILD YOUR OWN WOOD FLOOR OPTION
**(Materials not included.)**

93"
(236,2 cm)

120"
(304,8 cm)

16"
(40,6 cm)

96"
(243,8 cm)
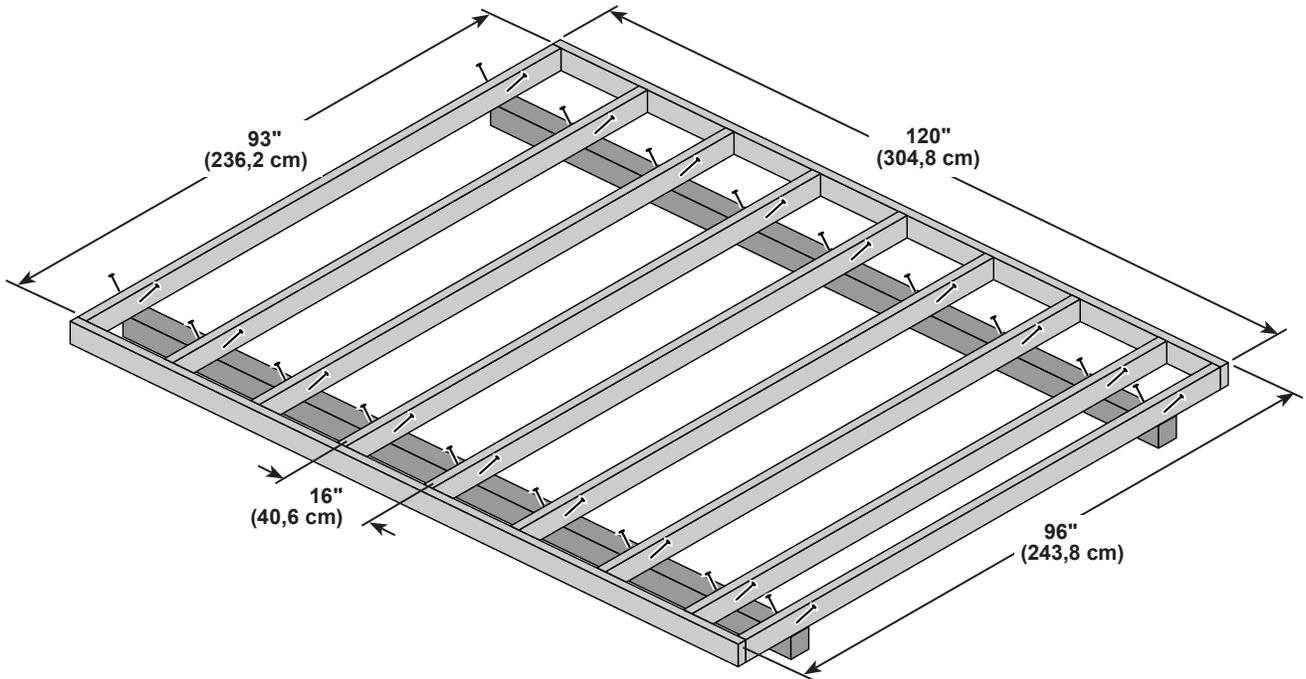
## MATERIAL REQUIRED:

☐ **x2**   2 x 4 x 12' (5,1 x 10,2 x 304,8 cm)   ⚠ **MUST be treated lumber**

☐ **x9**   2 x 4 x 8' (5,1 x 10,2 x 243,8 cm)    ⚠ **MUST be treated lumber**
           Cut to 93" (5,1 x 10,2 x 236,2 cm)

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

☐ **x3**   5/8" x 48" x 96" (1,6 x 121,9 x 243,8 cm)
           Cut (1) to 24" x 96" (1,6 x 61 x 243,8 cm)
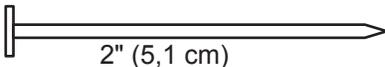
☐ **x1**   2" (5,1 cm)   1 lb. of 2" (5,1 cm) Hot Dipped Galvanized Box-Type Nails
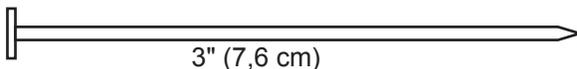
☐ **x36**   3" (7,6 cm)   40 Nails - 3" (7,6 cm) Hot Dipped Galvanized Box-Type Nails
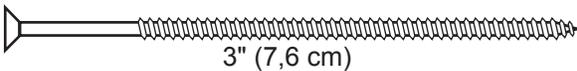
☐ **x36**   3" (7,6 cm)   **Screws for Frame to 4"x 4"**
            **Minimum 3" screws / exterior grade.**

8

## 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.

**12"**
**(30,5 cm)**
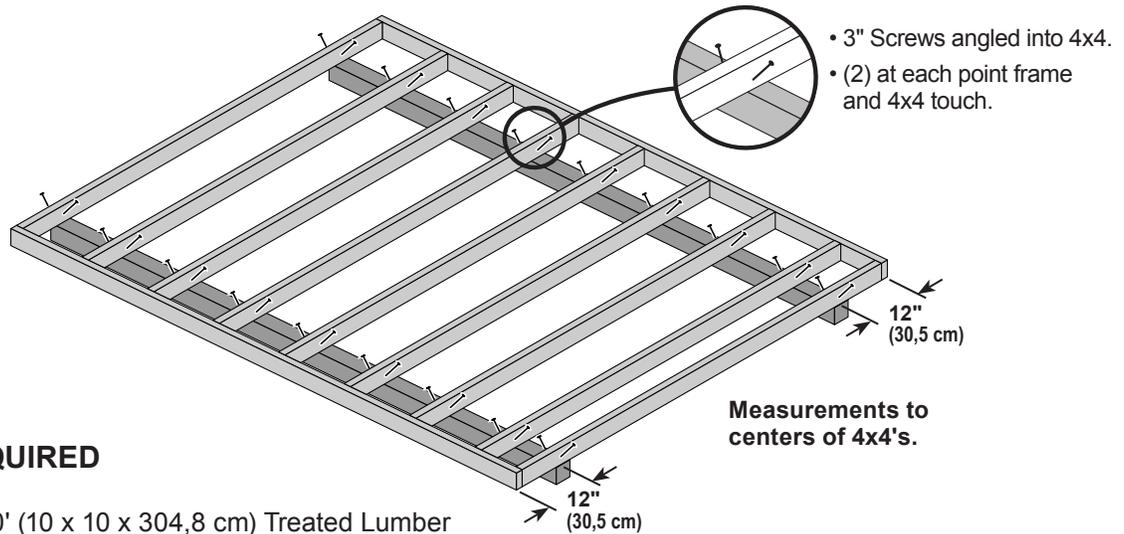
**Measurements to centers of 4x4's.**

**12"**
**(30,5 cm)**

### MATERIAL REQUIRED

☐ **x2** 4 x 4 x 10' (10 x 10 x 304,8 cm) Treated Lumber

☐ **Fasteners for Frame to 4 x 4.**
(3" Screws shown as one option.) Minimum (44) 3" screws / exterior grade.

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

⚠ **Always support frame seams.**

Maximum between leveling material locations.
48"

Shingle

Level

4x4 Runner

12"

12"

Shingle

Gravel

2" Block

Gravel

4" Block

2x4 Treated Lumber

8" Block

⚠ Do not exceed 16".
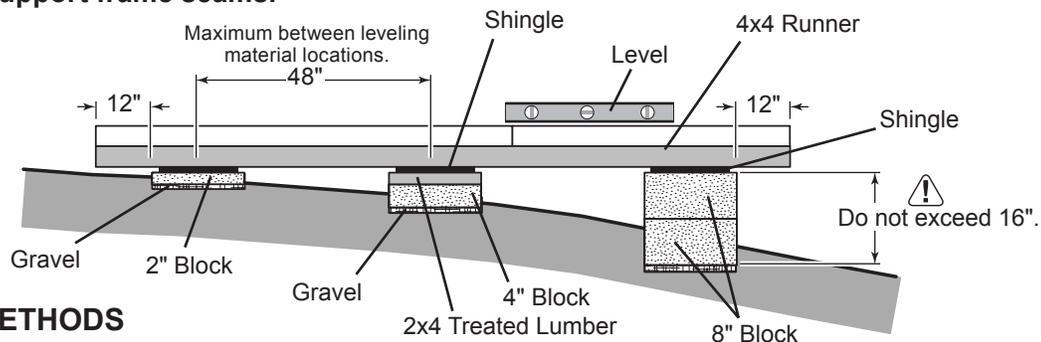
### LEVELING METHODS

- 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 7.

# FLOOR FRAME

## PARTS REQUIRED:

**x9** TREATED
2 x 4 x 93" (5,1 x 10,2 x 236,2 cm)

**x2** TREATED
2 x 4 x 120" (5,1 x 10,2 x 304,8 cm)

Look for
**TREATED**
Stamp

**x36** 3" (7,6 cm)
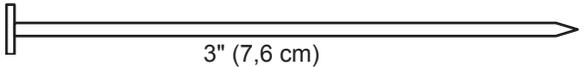
√ **BEGIN**

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

**HINT:**
**For easier nailing**
**stand on frame.**

120"
(304,8 cm)

112"
(284,5 cm)

96"
(246,8 cm)

80"
(203,2 cm)

64"
(162,6 cm)

48"
(121,9 cm)

32"
(81,3 cm)

16"
(40,6 cm)

← **Flush**

**Center**
**on marks**

**3" (7,6 cm)**
**Nails**

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

93"
(236,2 cm)

← **Flush**
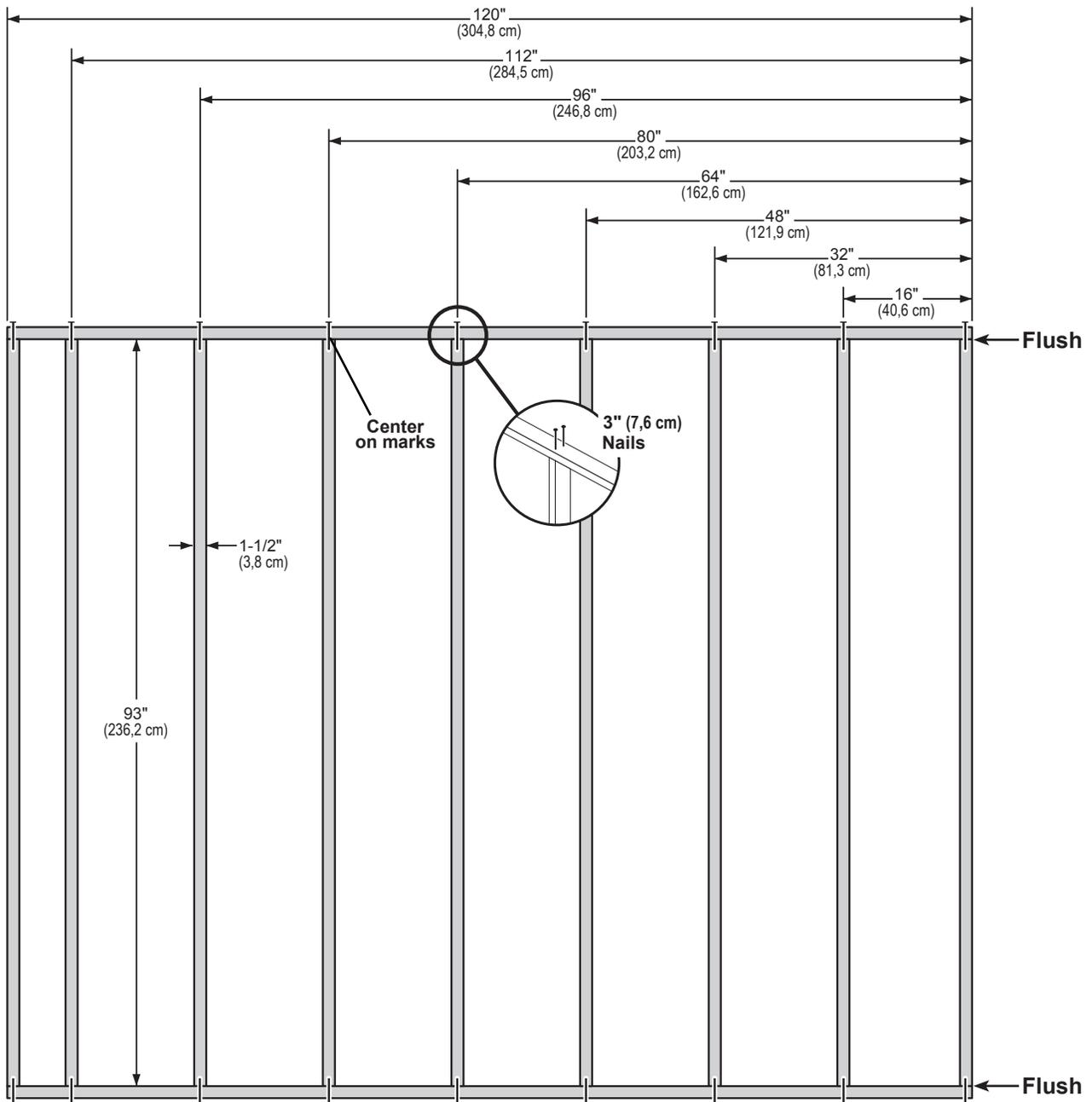
🏁 **FINISH**
Your floor frame is now assembled.

10

⚠️ **LEVEL AND SQUARE FLOOR FRAME** ⚠️

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

✓**BEGIN**

**1** ⚠️ See page 9 for the preferred floor leveling method.

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

**3** Check for frame squareness by measuring diagonally across corners. If the measurements are the same, the frame is square. The diagonal measurement will be approximately 153-11/16" (390,4 cm).

**4** When the frame is level and square, secure one side of frame to the 4x4 runners with one fastener at ends of each runner. Move to the opposite end of the frame. Secure the frame to 4x4 runners with (1) fastener at ends of each runner making sure the frame remains square **(Fig. A)**.

**First, secure at ends with (1) fastener.**

**Fig. A**

153-11/16" (390,4 cm)

153-11/16" (390,4 cm)
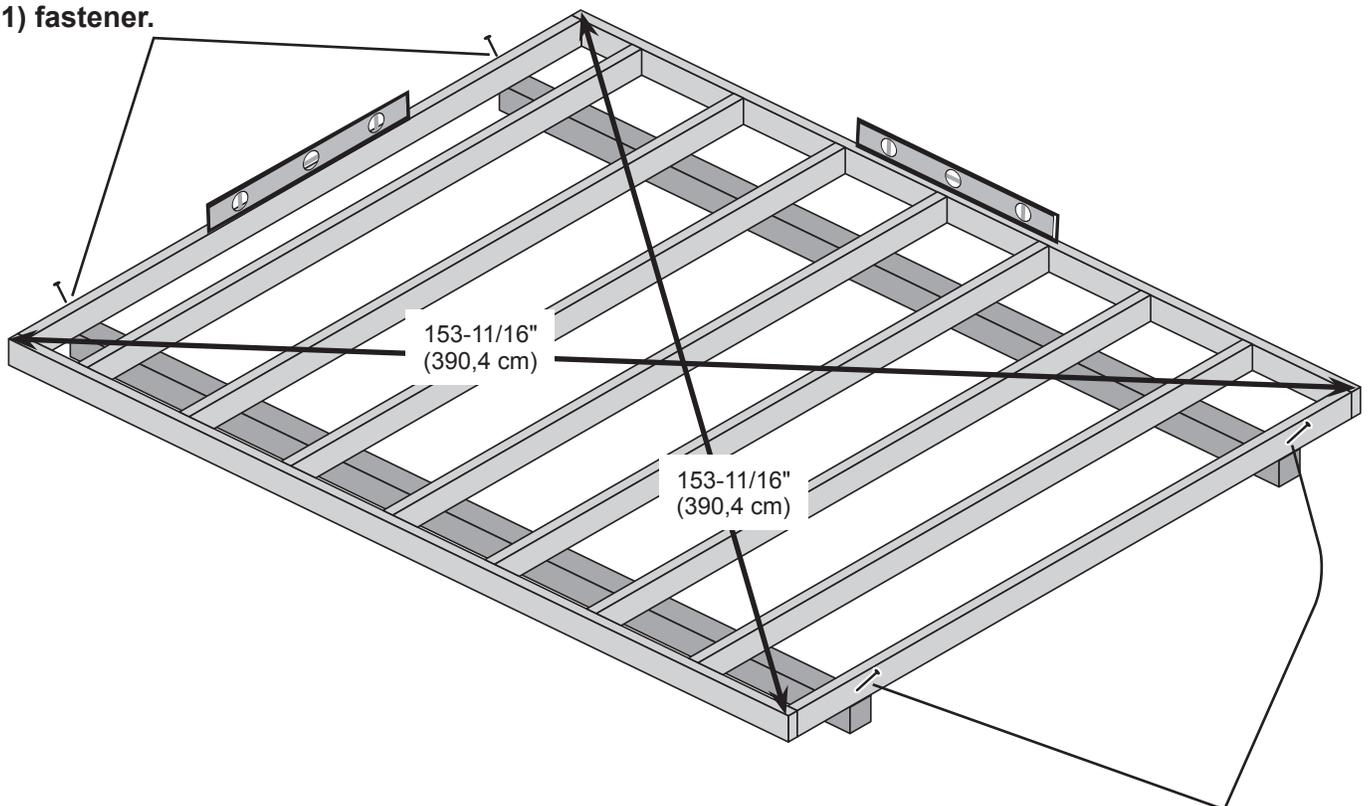
**Second, secure at ends with (1) fastener.**

🏁**FINISH**

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

# FLOOR PANELS

**PARTS REQUIRED:** Floor panels are 5/8" (1,6 cm) thick.

x4 ⊢———————— 2" (5,1 cm)

x1    48" x 96"
      (121,9 x 243,8 cm)

GAA  3/4" GAUGE
     BLOCK
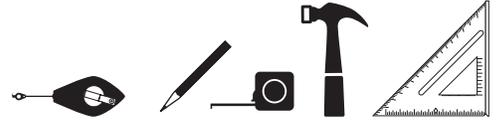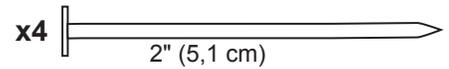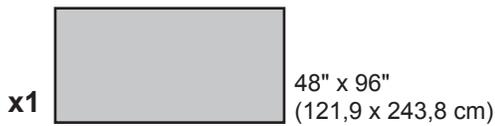
## Install all floor panels with the painted grid lines facing up.

✓**BEGIN**

**1** Install (1) **48" x 96"** panel on the wall frame, as shown.
Use the gauge block to mark the 3/4" side measurement floor joist.
Secure panel with (2) 2" nails in the corners **(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 floor joist.
Secure corner with (2) 2" nails **(Fig. B)**.

3/4" → (1,9 cm)

3/4" GAUGE
BLOCK

DOOR →

3/4" → (1,9 cm)

**Fig. A**

(2) Nails        **Flush**

(2) Nails        **Flush**

**Fig. B**
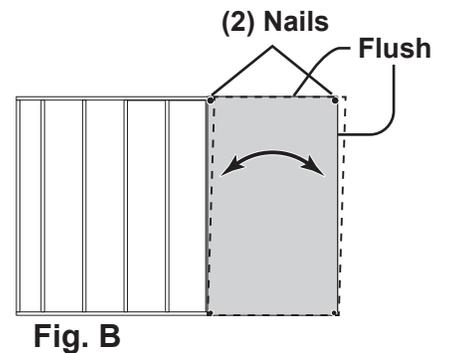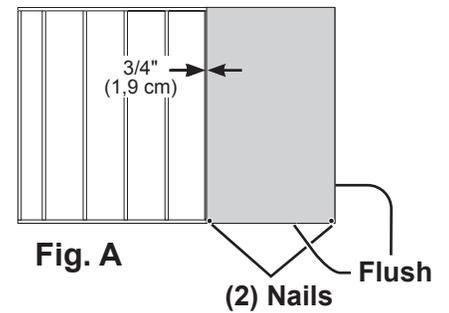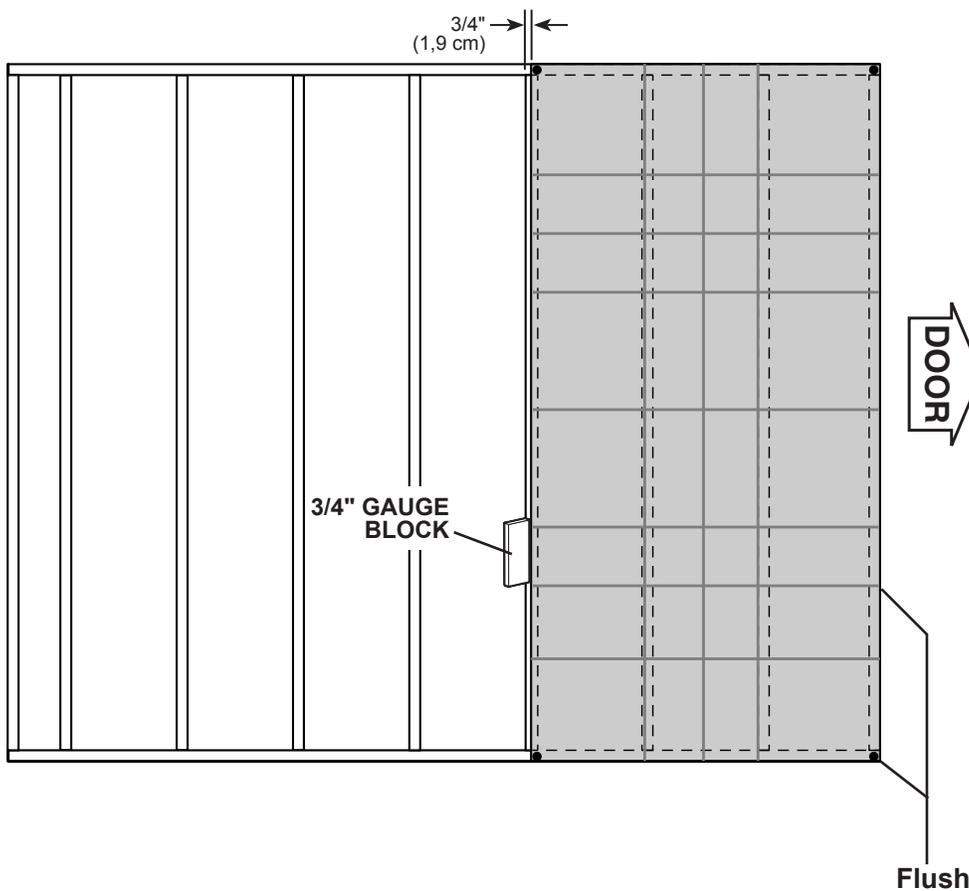
**Flush**

# *FLOOR PANELS*

**PARTS REQUIRED:**

GAA **3/4" GAUGE BLOCK**

**x167** 2" (5,1 cm)

**x2** 48" x 96" (121,9 x 243,8 cm)

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

**3** Install next **48" x 96"** panel flust to installed panel.
Secure with 2" nails spaced 6" apart on edges and 12" apart inside panels.

**4** Install (1) **23-7/8" x 96"** panel flust to installed panel.
Secure with 2" nails spaced 6" apart on edges and 12" apart inside panel.

**Flush**

**Flush**

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

6" (15,2 cm)

**DOOR**

12"
(30,5 cm)

**3/4" GAUGE BLOCK**

**Flush**

**Flush**

**FINISH**
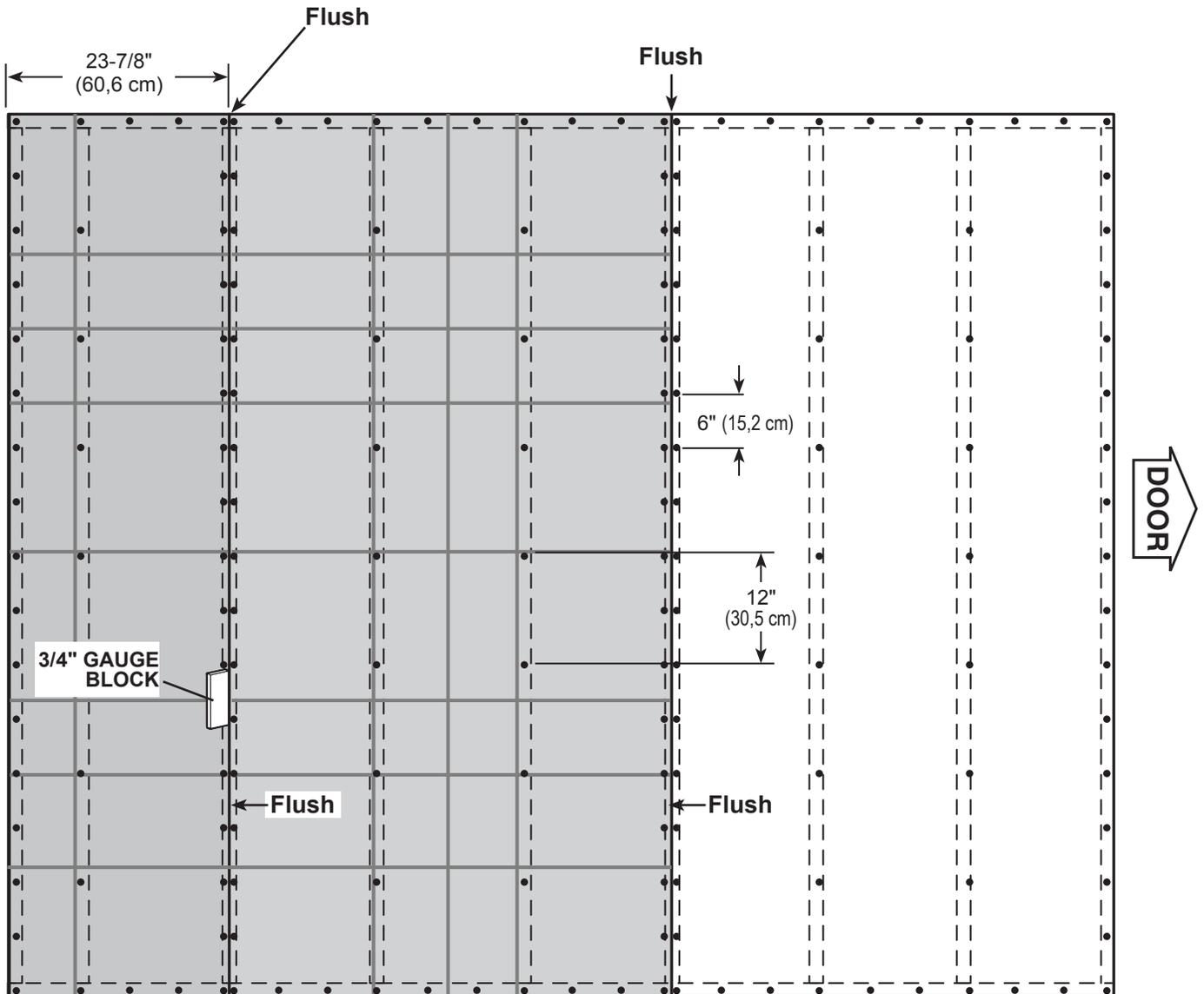
Your floor panels are now installed.

13

**STOP!** **Check the floor frame is level after installing floor panels.**
**Re-level if needed.**
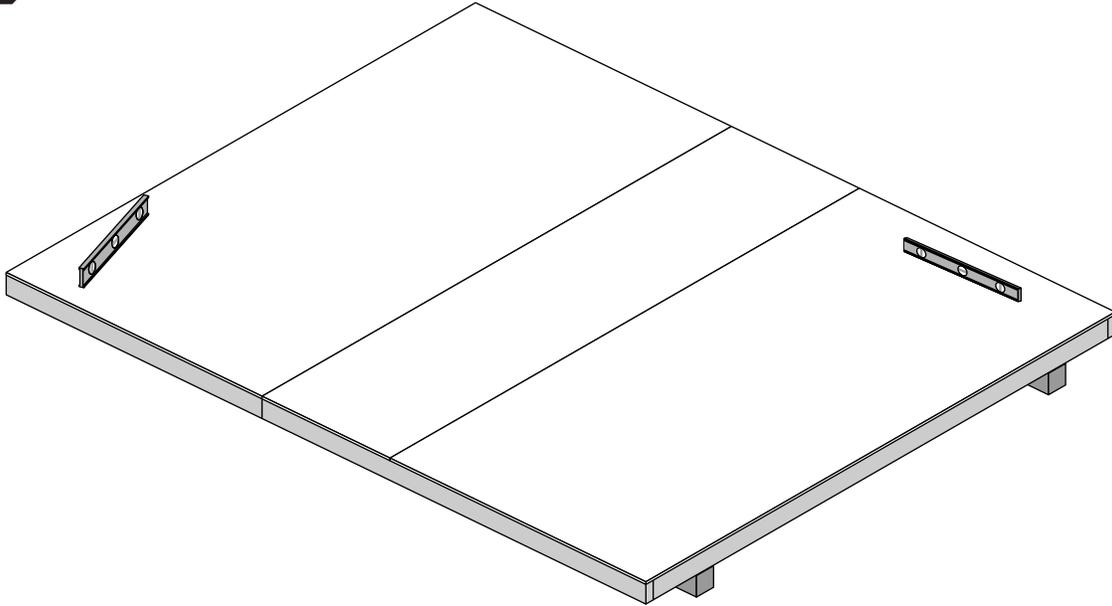
**HINT:**
- **The floor should be used as a stable work surface for wall construction.**
- **Organize your assembly procedure during the build process to avoid over-handling of the walls.**

**Back Wall**

**Right Wall**

**Left Wall**

**Front Wall**
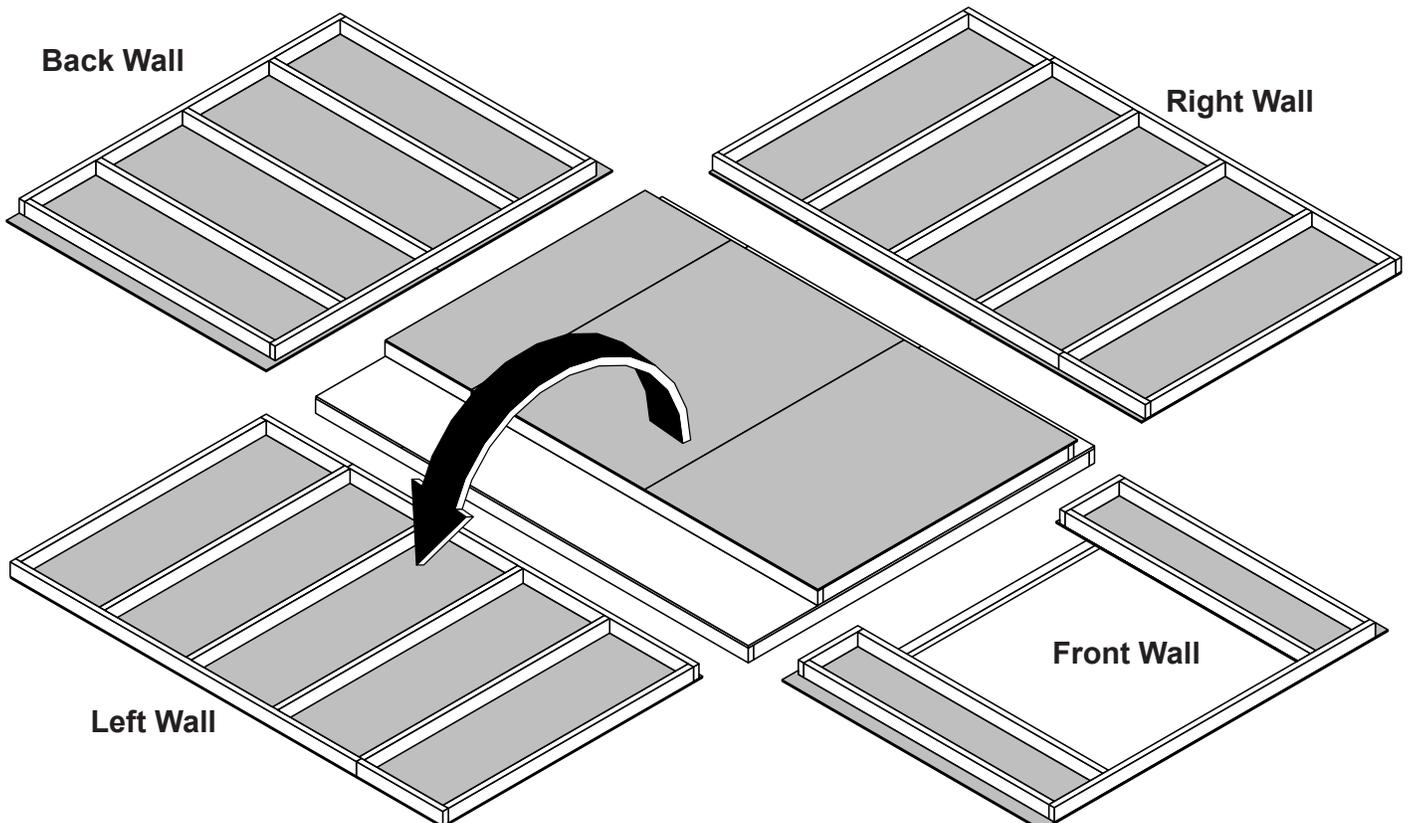
# SIDE WALL FRAME

**PARTS REQUIRED:**

x2 | RL | 2 x 4 x 24" (5,1 x 10,2 x 61 cm)
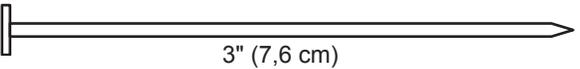
x6 | UM | 2 x 4 x 68" (5,1 x 10,2 x 172,7 cm)

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

x28 | 3" (7,6 cm)

✓ **BEGIN**

**1** Arrange parts on edge on floor. Measure and mark.

Secure with (2) 3" nails at each mark and (4) 3" nails at seams.

**HINT:**
**For easier nailing stand on frame.**



120"
(301 cm)

96"
(243,8 cm)

72"
(182,9 cm)

48"
(121,9 cm)

24"
(61 cm)

96"
(243,8 cm)

Flush

**TP**

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

**UM x6**

SEAM

**RL**

Flush

**3" (7,6 cm) Nails**

68"
(172,7 cm)

SEAM

**RL**

Flush

**TP**

Flush

DOOR

24"
(61 cm)

96"
(243,8 cm)

15

## PARTS REQUIRED:

**GAA**

**3/4" GAUGE BLOCK**

x45

2" (5,1 cm)

x1
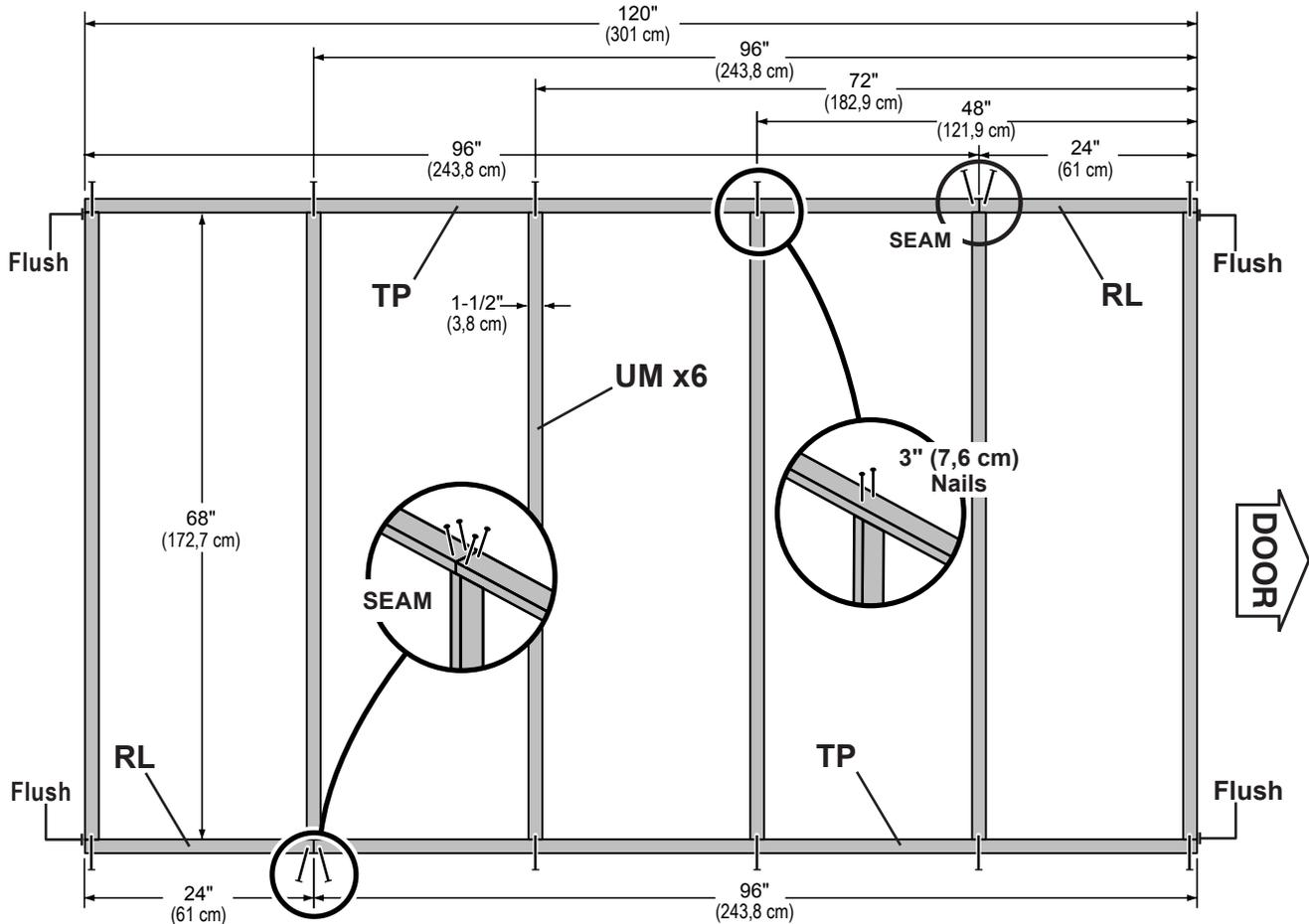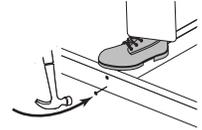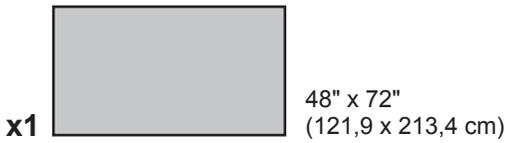
48" x 72"
(121,9 x 213,4 cm)
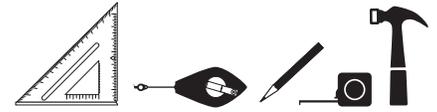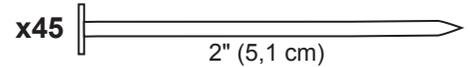
*Install all panels with the primed side facing up.*

**2** Install (1) **48" x 72"** panel on the wall frame, as shown.
Use the gauge block to mark the 3/4" side measurement on the wall stud.
Secure panel with (2) 2" nails in the corners **(Fig. A).**

**3** 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" inside panel.

**2 Nails**

3/4"
(1,9 cm)

**Fig. A**

3/4"
(1,9 cm)

**Fig. B**

**2 Nails**

**BEGIN HERE** ➡

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

3/4"
(1,9 cm)

**Flush**

12"
(30,5 cm)

6"
(15,2 cm)

**DOOR**

**3/4" GAUGE
BLOCK**

3/4"
(1,9 cm)

48"
(121,9 cm)

16

**PARTS REQUIRED:**

**x1**
48 x 72"
(121,9 x 213,4 cm)

**x1**
23-7/8 x 72"
(68,3 x 182,9 cm)

GAA

**3/4" GAUGE BLOCK**

**x77**
2" (5,1 cm)
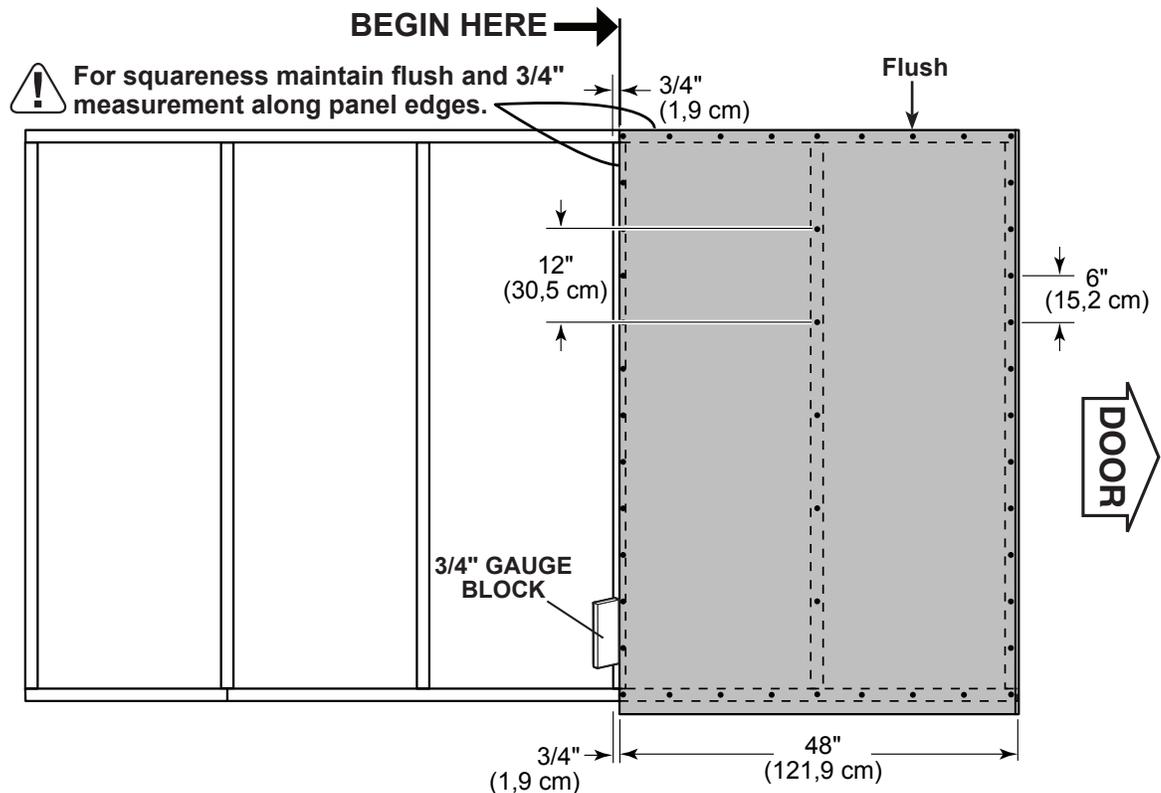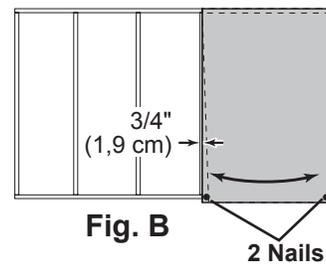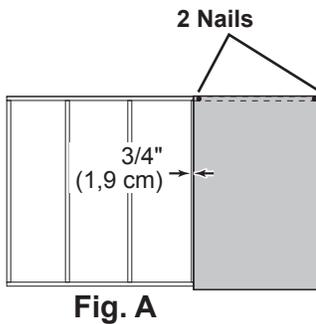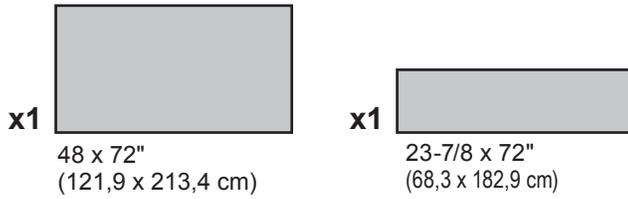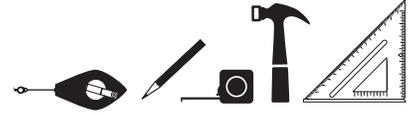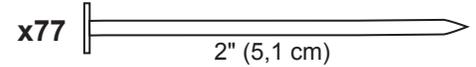
**4** Install (1) **48" x 72"** panel first. Second, install the **23-7/8" x 72"** panel.

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

**Flush**

6" (15,2 cm)

**Flush**

12"
(30,5 cm)

**3/4" GAUGE BLOCK**

23-7/8"
(68,3 cm)

48"
(121,9 cm)
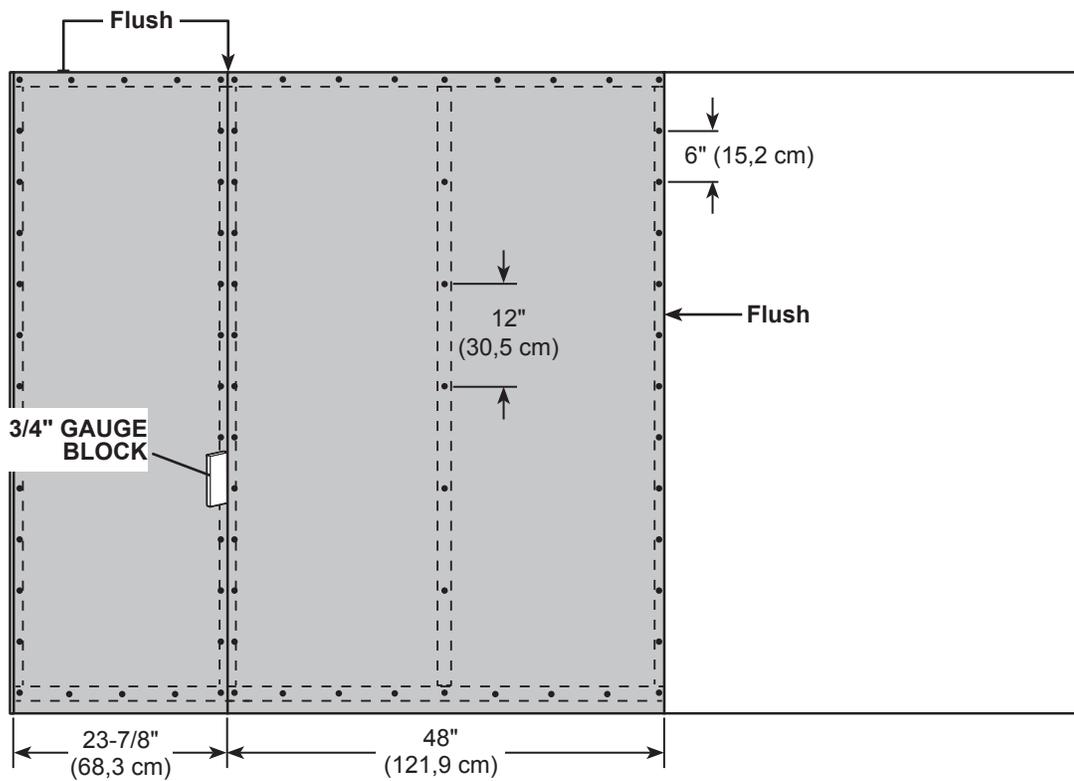
Repeat steps to build your second side wall.

**FINISH**

Your side walls are now assembled.

Carefully flip the side wall over.

17
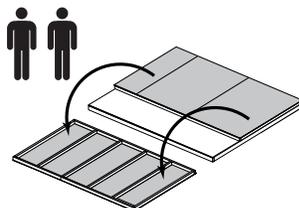
# BACK WALL FRAME

## PARTS REQUIRED:

**x20** 3" (7,6 cm)

**x5** UM
2 x 4 x 68" (5,1 x 10,2 x 172,7 cm)

**x2** SZ
2 x 4 x 89" (5,1 x 10,2 x 226,1 cm)
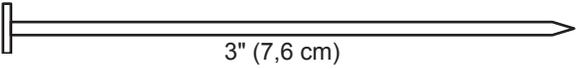
√**BEGIN**

**1** Arrange parts on edge on floor. Measure and mark.
Secure with (2) 3" nails at each mark.

89"
(226,1 cm)

68 1/2"
(174 cm)

44 1/2"
(113 cm)

20 1/2"
(52,1 cm)

SZ

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

UM x5

3" (7,6 cm)
Nails

66-1/2"
(168,9 cm)

SZ
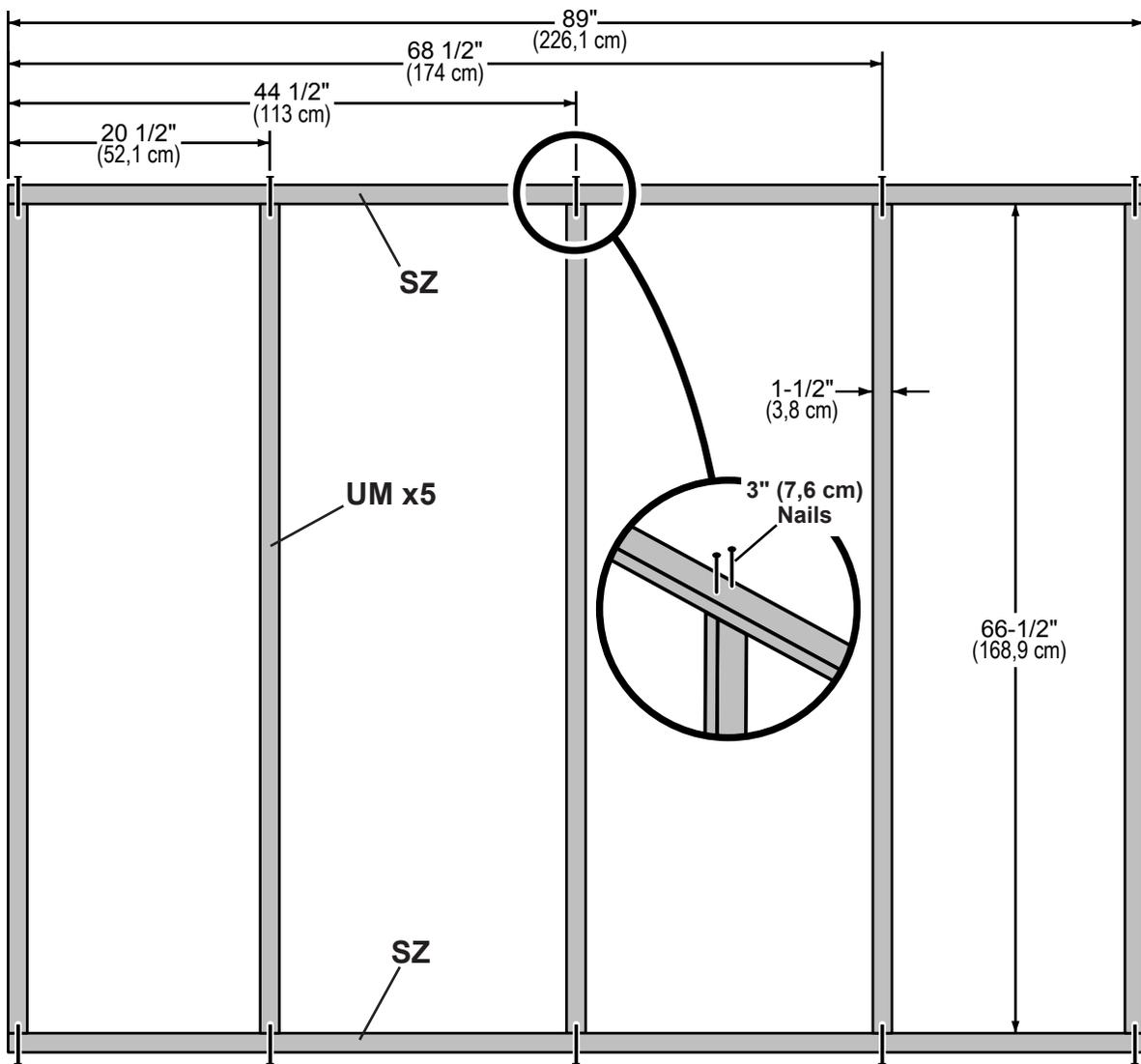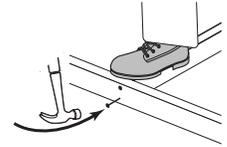
# BACK WALL PANELS

## PARTS REQUIRED:

x2
48" x 72" (121,9 x 182,9 cm)

GAA
**3/4" GAUGE BLOCK**

x90
2" (5,1 cm)
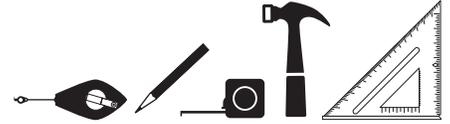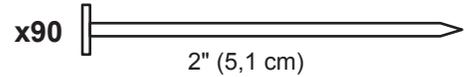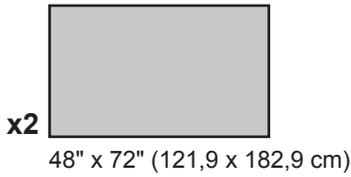
## *Install all panels with the primed side facing up.*

**2** Install (2) **48" x 72"** panels, as shown.

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

3-1/2"
(8,9 cm)

**Flush**

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

← **BEGIN HERE**

3/4"
(1,9 cm)

**Flush**

3-1/2"
(8,9 cm)

6"
(15,2 cm)

12"
(30,5 cm)

**Flush** →

**3/4" GAUGE BLOCK**

🏁 **FINISH**
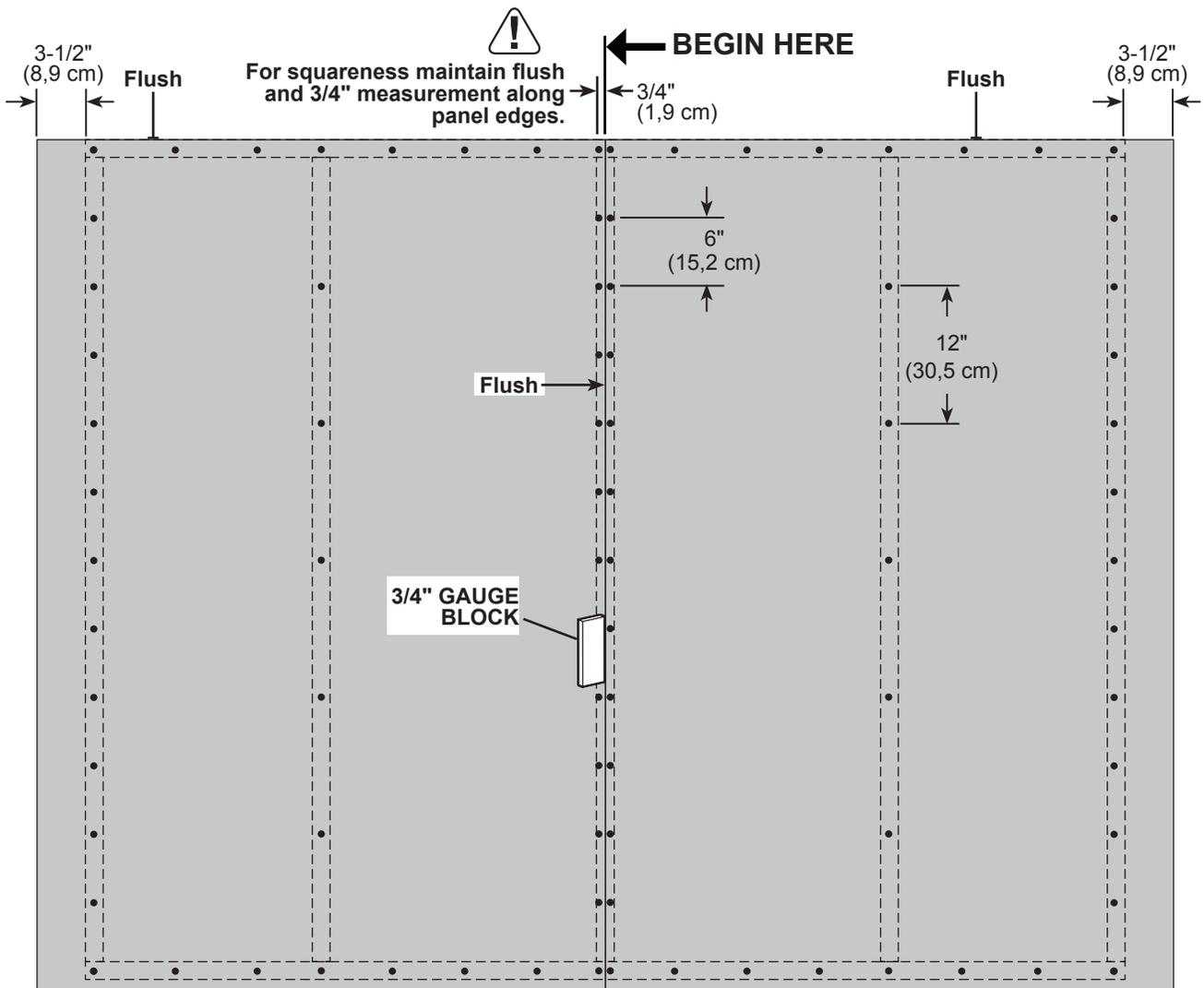
Your back wall is now assembled.

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## PARTS REQUIRED:

**x2** RD
2 x 4 x 16-1/2" (5,1 x 10,2 x 41,9 cm)

**x4** UM
2 x 4 x 68" (5,1 x 10,2 x 172,7 cm)

**x1** SZ
2 x 4 x 89" (5 x 10,2 x 226,1 cm)

**x16** 3" (7,6 cm)
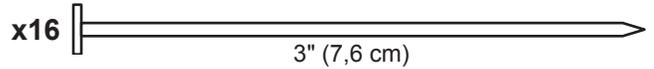
√**BEGIN**

**1** Orient parts on edge on floor. Measure and mark.

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

**HINT:**
**For easier nailing**
**stand on frame.**

89"
(226,1 cm)

16-1/2"
(41,9 cm)

56"
(142,3 cm)

16-1/2"
(41,9 cm)

**16-1/2" (41,9 cm)**
**measurements**
**are to edge of studs.** ⚠

**SZ**

**3" (7,6 cm)**
**Nails**

**UM x4**

68"
(172,7 cm)

68"
(172,7 cm)

56"
(142,3 cm)

**RD**

**RD**

16-1/2"
(41,9 cm)

16-1/2"
(41,9 cm)
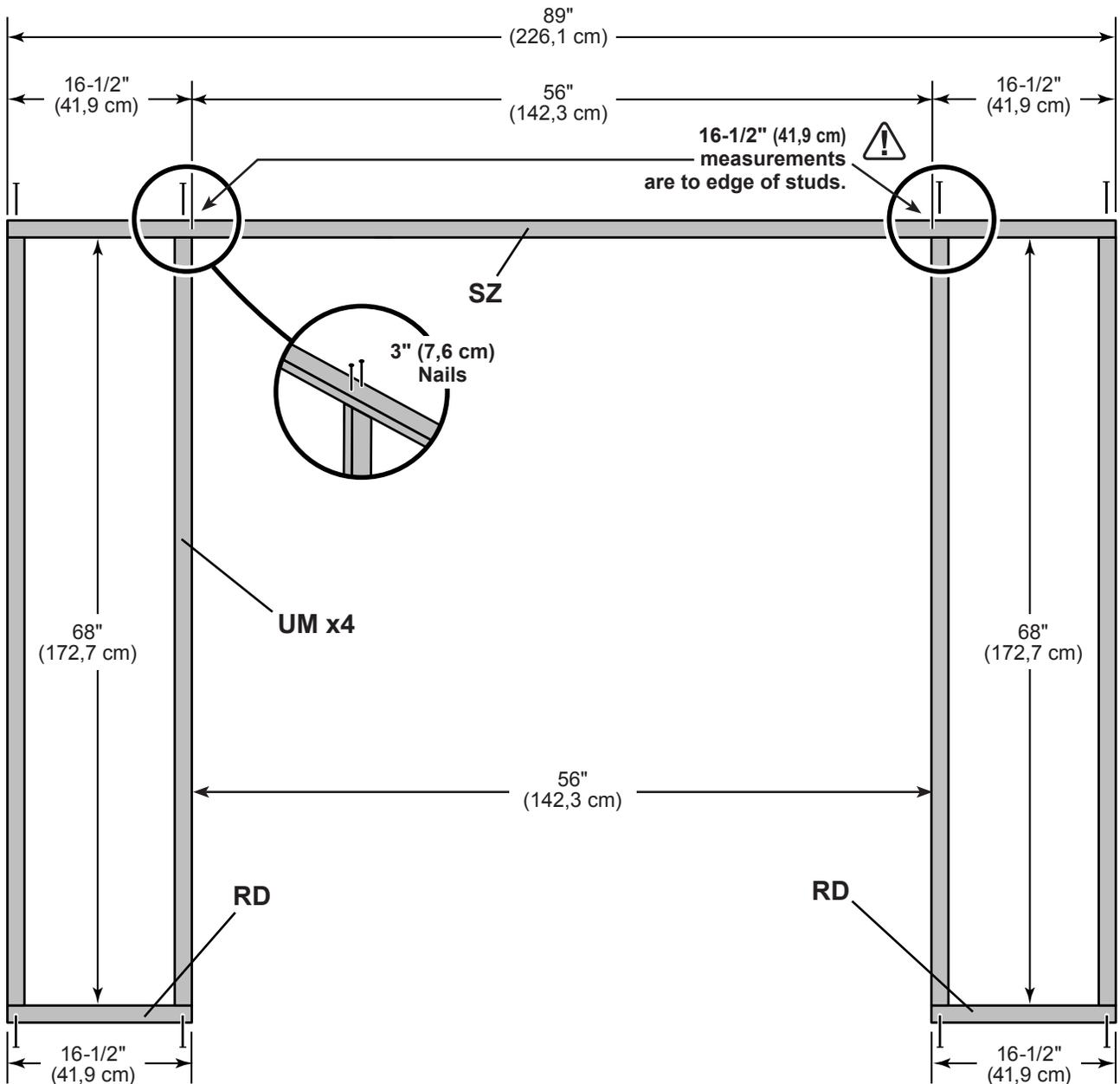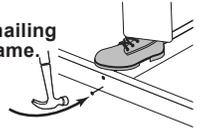
# FRONT WALL

## PARTS REQUIRED:

**x1**
**OO**
1-1/4 x 2-1/2 x 69" (3,2 x 6,3 x 175,3 cm) *TEMPORARY SUPPORT*

**x2**
19-7/8 x 72" (50,5 x 182,9 cm)

**x2** 3" (7,6 cm)

**x60** 2" (5,1 cm)
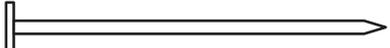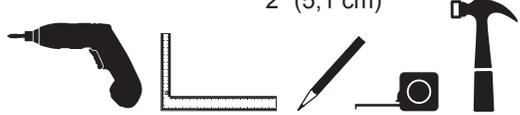
### *Install all panels with the primed side facing up.*

**2** Install (2) **19-7/8" x 72"** panels onto wall frame, as shown.

Secure panel with 2" nails spaced 6" apart.

**3** Install **OO** as a brace to maintain 56" (142,3 cm) opening. Secure **OO** with (2) 3" screws.

19-7/8"
(50,5 cm)

19-7/8"
(50,5 cm)

**Flush**

**Flush**

6"
(15,2 cm)

6"
(15,2 cm)

72"
(182,9 cm)

72"
(182,9 cm)

**Flush**

**Flush**

56"
(142,3 cm)

**3" (7,6 cm)
Screw**

**OO**

**3" (7,6 cm)
Screw**

**FINISH**
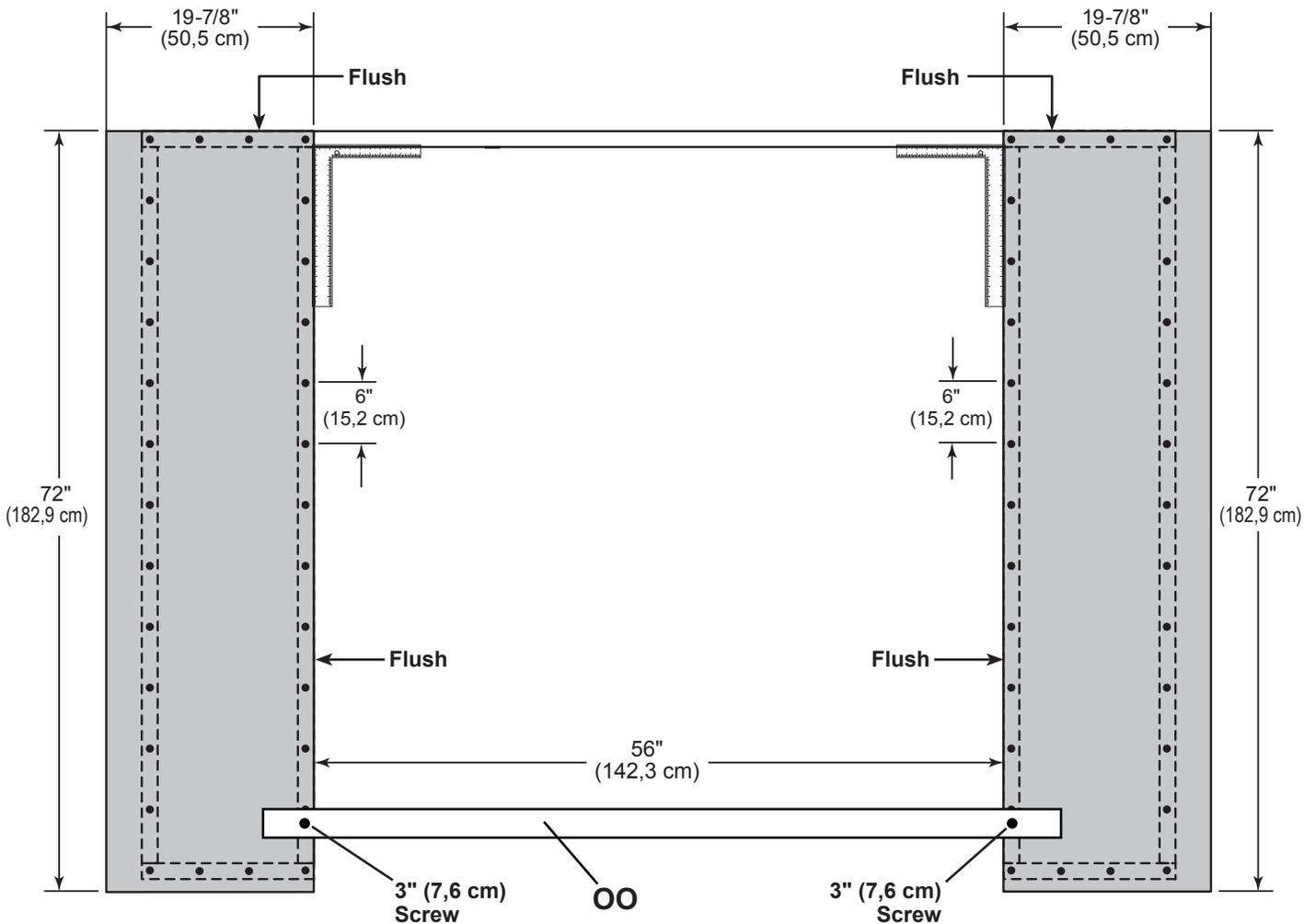
Your front wall is now assembled.

21

# RIGHT SIDE WALL INSTALLATION

## PARTS REQUIRED:

x1 | OO
69" (175,3 cm) Door Stiffener
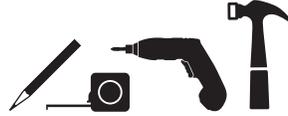
x10 — 3" (7,6 cm)

x2 — 3" (7,6 cm)

x23 — 2" (5,1 cm)

**✓ BEGIN**

**1** Center right side wall.

1" (2,5 cm) overlap is to the bottom.

Install **OO** as a temporary brace.
Secure with (2) 3" screws.

3" (7,6 cm)
Screws

**OO**

⚠ 1"
(2,5 cm)

DOOR
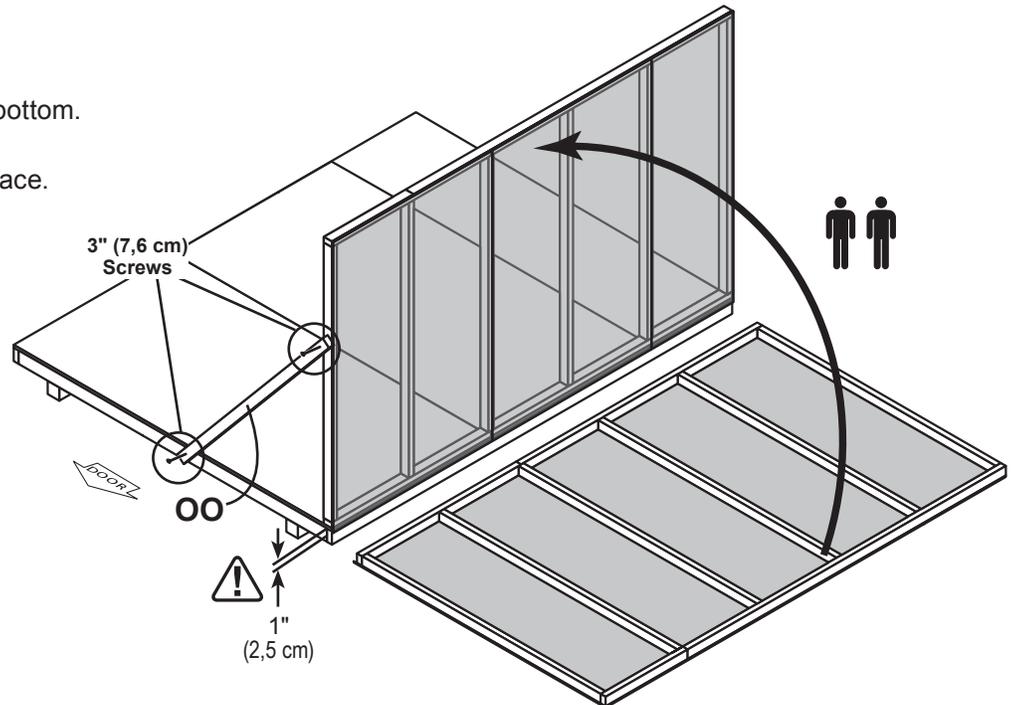
**2** Secure panel to floor frame with 2" nails spaced 6" apart.
Angle nail into floor frame **(Fig. A)**.

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

3" (7,6 cm)
Nails

6"
(15,2 cm)

3" (7,6 cm)
Nails

⚠ **Nail 2" nails first.**

2" (5,1 cm)
Nails

DOOR
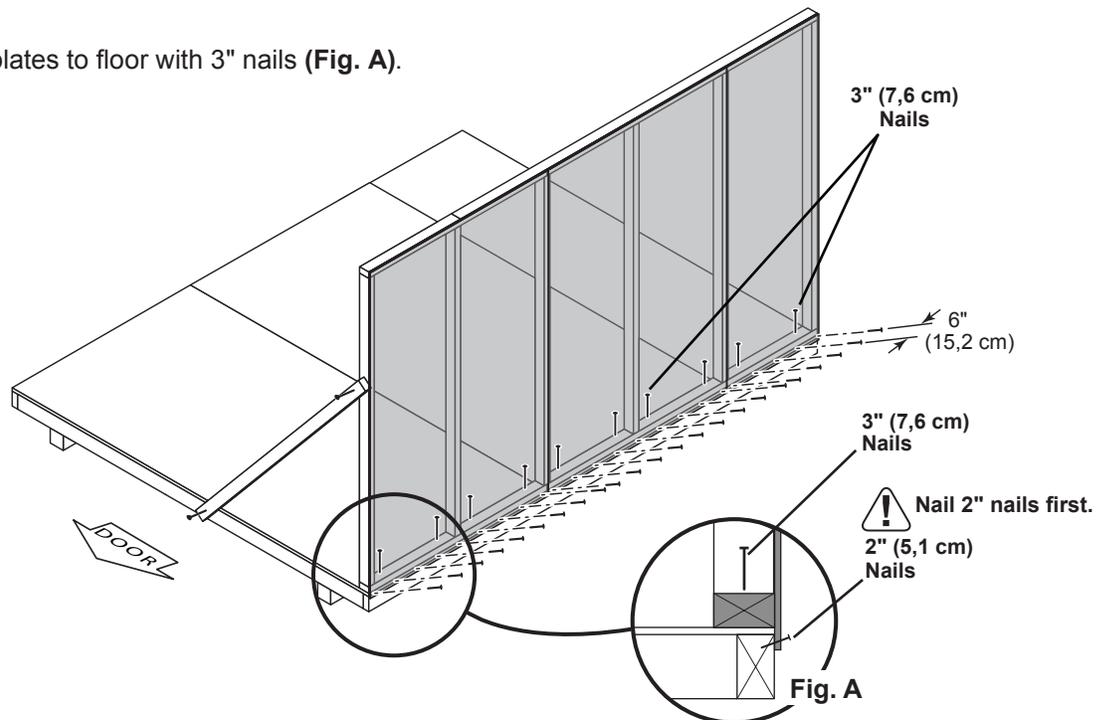
**Fig. A**

**🏁 FINISH**

You have finished standing your right side wall.

22

# BACK WALL INSTALLATION

## PARTS REQUIRED

x1 — 3" (7,6 cm)

x2 — 2" (5,1 cm)

x18 — 2" (5,1 cm)

x11 — 1-1/2" (3,8 cm)

x8 — 3" (7,6 cm)
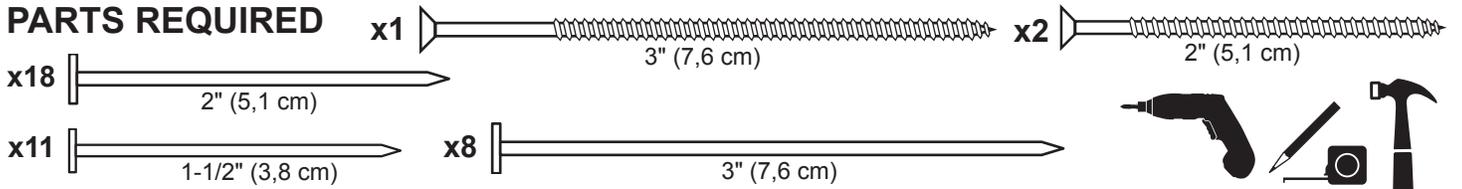
✓**BEGIN**

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

⚠ **ENSURE PANEL CORNERS ARE FLUSH.**

Flush

**Fig. B**

2" (5,1 cm) Screw

2" (5,1 cm) Screw

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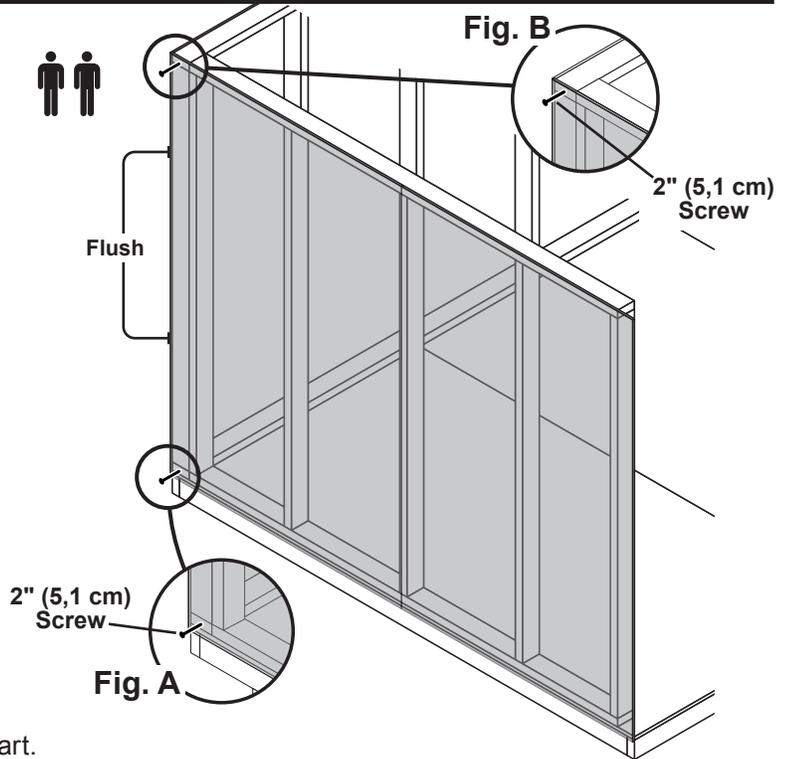
**2** Secure panels to floor with 2" nails spaced 6" apart. Angle nails into floor frame **(Fig. C)**.

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

Secure panel to side wall stud with 1-1/2" nails.

**3** Secure wall top plate with (1) 3" screw, angled into top plates **(Fig. D)**.

🏁 **FINISH**

Your back wall is now installed.

3" (7,6 cm) Screw

**Fig. D**

6" (15,2 cm)

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

3" (7,6 cm) Nails

3" (7,6 cm) Nails

⚠ **Nail 2" nails first.**

2" (5,1 cm) Nails

6" (15,2 cm)

2" (5,1 cm) Nails

**Fig. C**

23

## *LEFT SIDE WALL INSTALLATION*

**PARTS REQUIRED:**

**x2** 2" (5,1 cm)
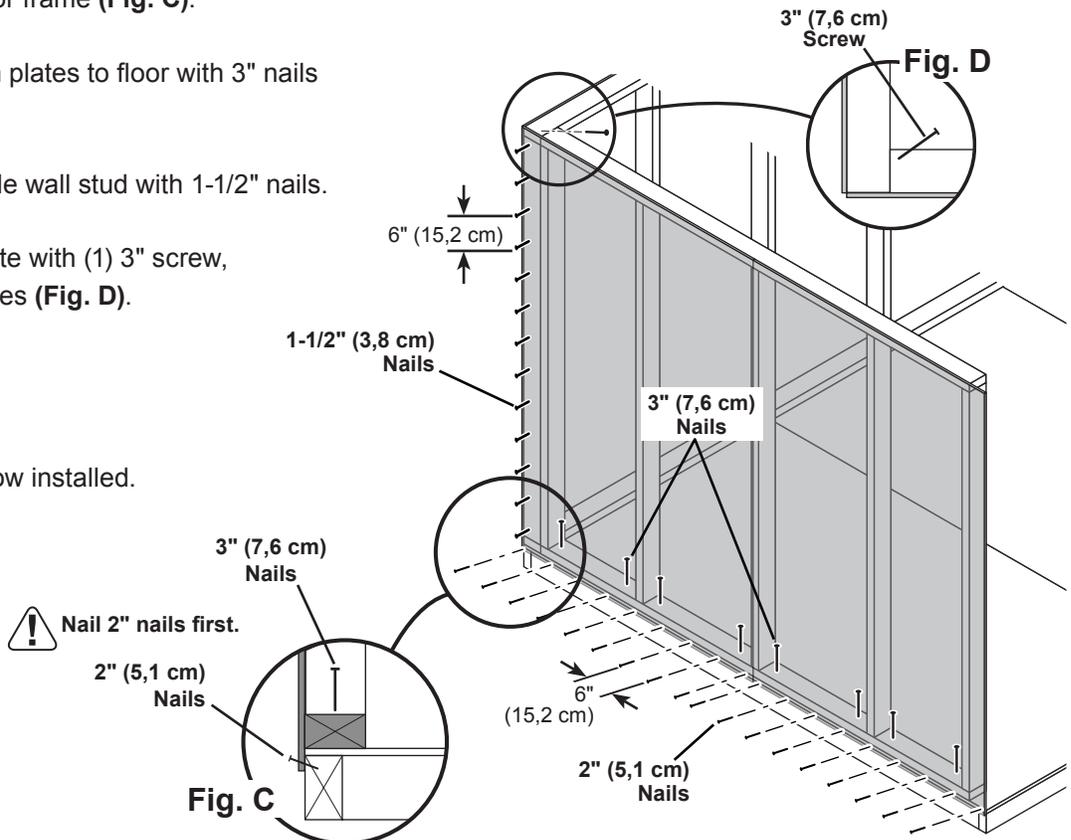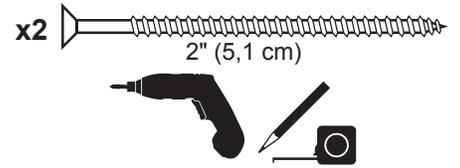
√**BEGIN**

**1** Install left wall, securing with (1) 2" screw through back wall panel into side wall bottom and top plates **(Fig. B, Fig. A)**.
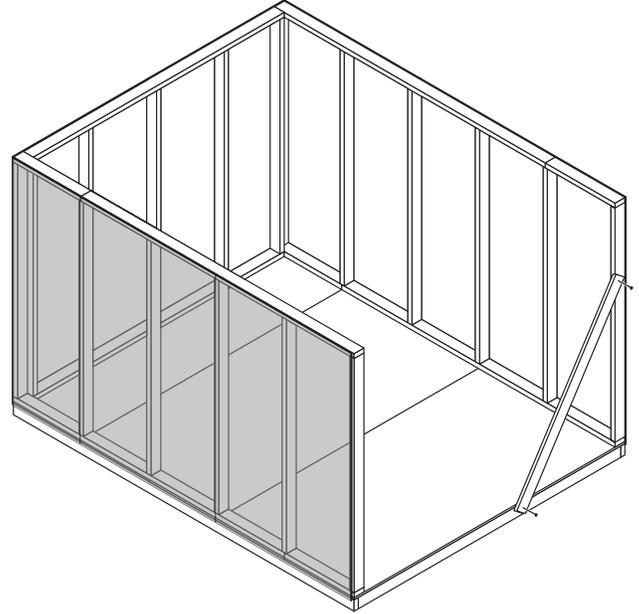
⚠️ **ENSURE PANEL CORNERS ARE FLUSH.**

**Fig. B**

2" (5,1 cm)
Screw

**Flush**

**Fig. A**

2" (5,1 cm)
Screw

# LEFT SIDE WALL INSTALLATION

**PARTS REQUIRED:**

**x23** | 2" (5,1 cm)

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

**x10** | 3" (7,6 cm)

**x1** | 3" (7,6 cm)
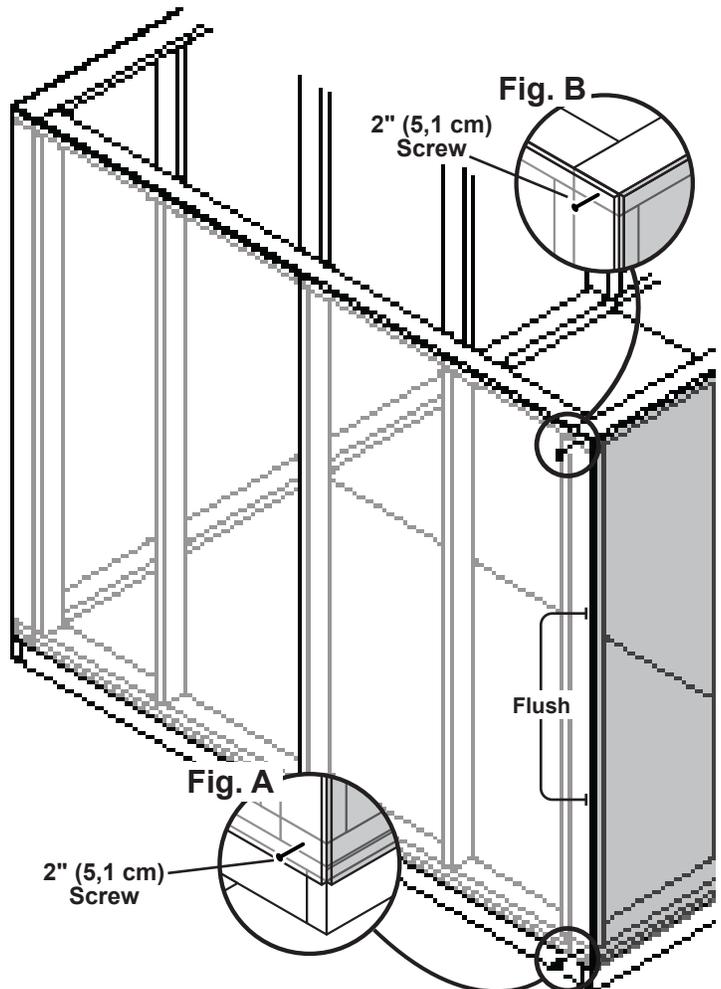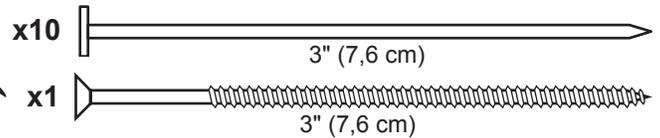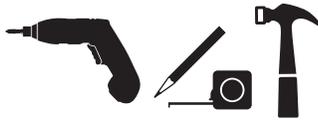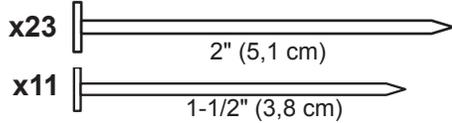
**2** Nail side wall panels to floor frame with 2" nails spaced 6" apart. Angle nails into floor frame **(Fig. C)**.

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

**3" (7,6 cm) Nails**

6" (15,2 cm)

⚠ **Nail 2" nails first.**

**2" (5,1 cm) Nails**

**3" (7,6 cm) Nails**

**Fig. C**

**3" (7,6 cm) Screw**
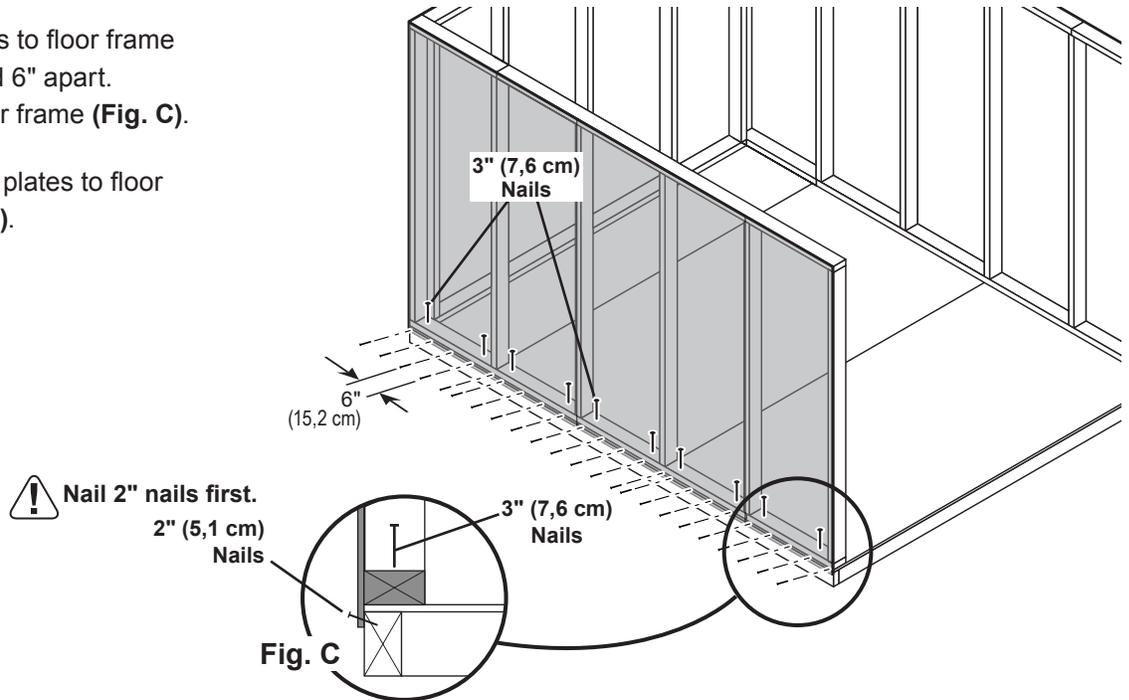
**Fig. D**

**3** Nail back wall panel to side wall stud with 1-1/2" nails spaced 6" apart.

**4** Secure gable wall top plate with (1) 3" screw angled into top plates **(Fig. D)**.

6" (15,2 cm)

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

🏁 **FINISH**
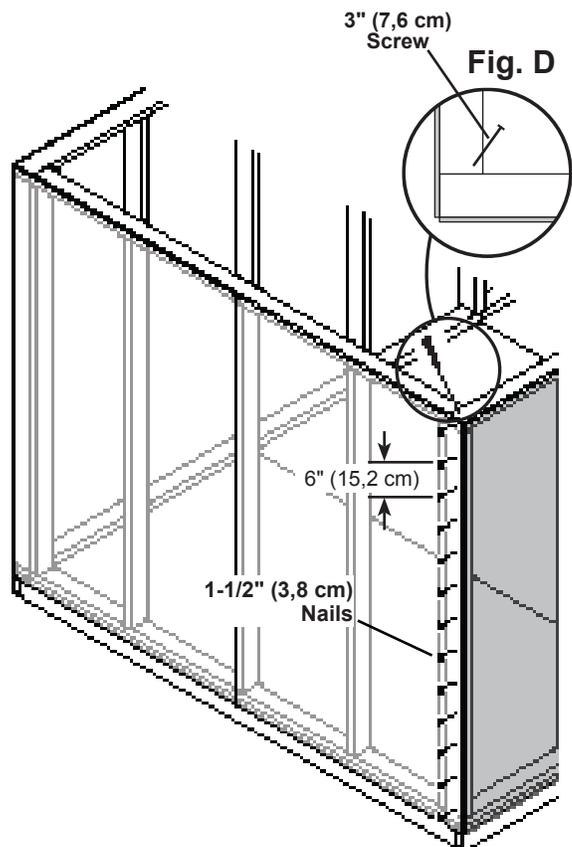
Your left side wall is now installed.

**REMOVE TEMPORARY BRACING**

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# FRONT WALL INSTALLATION

**PARTS REQUIRED**

x2 — 3" (7,6 cm)

x4 — 2" (5,1 cm)

x10 — 2" (5,1 cm)

x26 — 1-1/2" (3,8 cm)

x4 — 3" (7,6 cm)
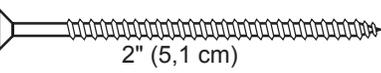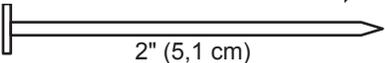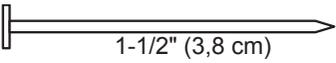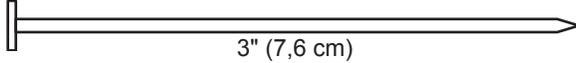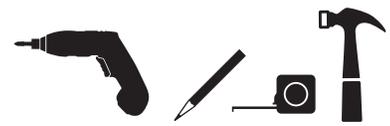
✓**BEGIN**

**1** Secure front wall with 2" screws into top and bottom plates **(Fig. A, Fig. B)**.
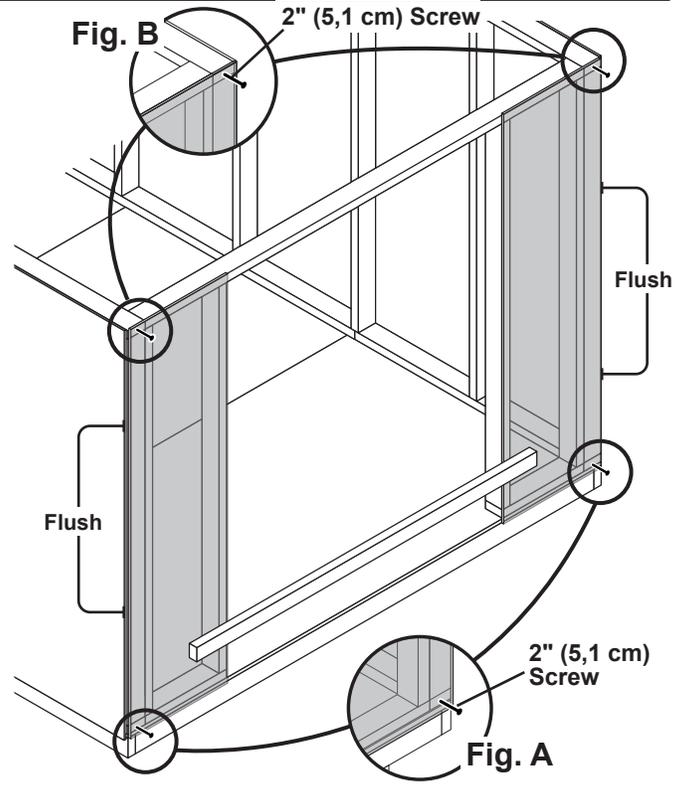
⚠ **ENSURE PANEL CORNERS ARE FLUSH.** ⚠

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

Secure panels to both side wall studs with 1-1/2" nails.

Secure wall bottom plates to floor with 3" nails **(Fig. C)**.
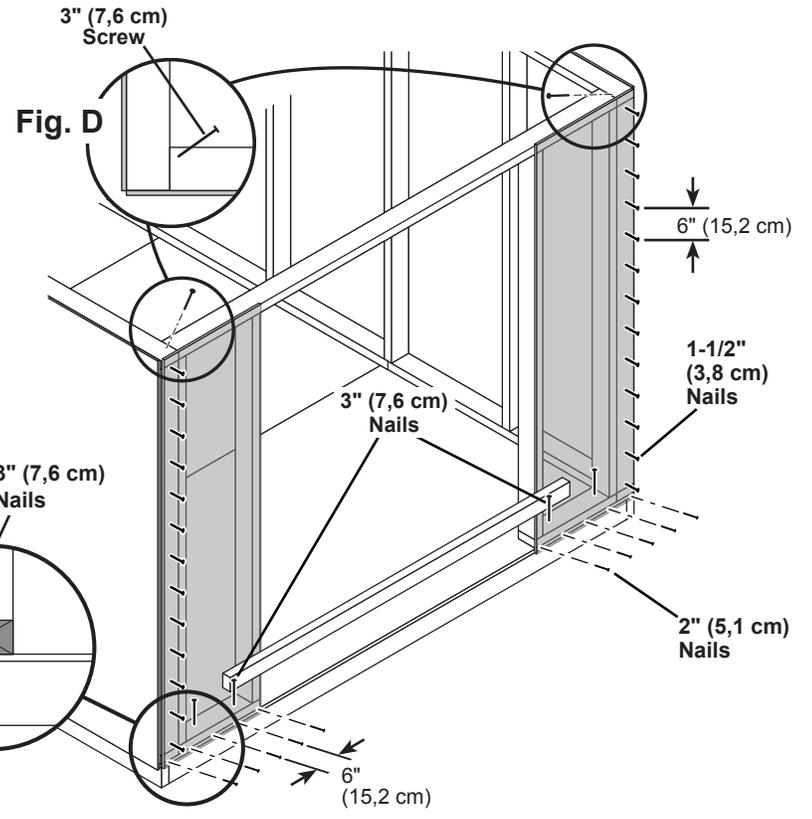
**3** Secure top plates with 3" screws, angled into top plates **(Fig. D)**.

*REMOVE TEMPORARY BRACING*

**Fig. B**

**2" (5,1 cm) Screw**

Flush

Flush

**2" (5,1 cm) Screw**

**Fig. A**

**3" (7,6 cm) Screw**

**Fig. D**

6" (15,2 cm)

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

**3" (7,6 cm) Nails**

**2" (5,1 cm) Nails**

⚠ **Nail 2" nails first.**

**3" (7,6 cm) Nails**

**2" (5,1 cm) Nails**

**Fig. C**

6" (15,2 cm)

🏁**FINISH**

Your front wall is now installed.

# FRONT WALL HEADER

## PARTS REQUIRED:

**x1** | **OY**
2 x 3 x 72" (5,1 x 7,6 x 213,4 cm)

**x5** 3" (7,6 cm)
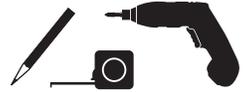
**✓BEGIN**

**1** Center **OY** on **SZ** flush to edge of panel **(Fig. A)**.

Secure with (5) 3" screws spaced evenly, as shown.

**Fig. A**

Flush

**OY**

Flush to
panel edge

**SZ**

Front wall
panel

**OY**

**3" (7,6 cm)
Screws**

CENTER ← → ← → CENTER
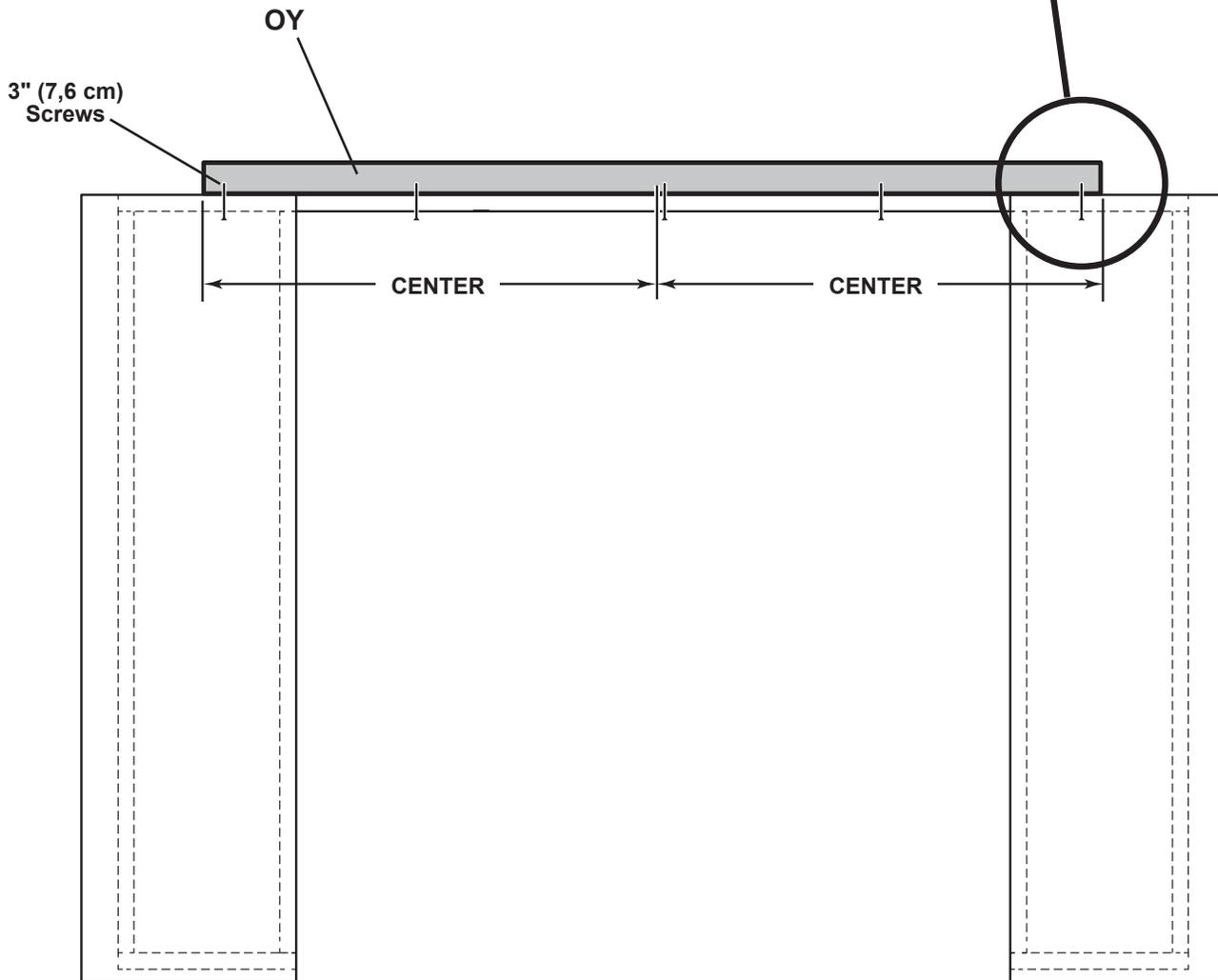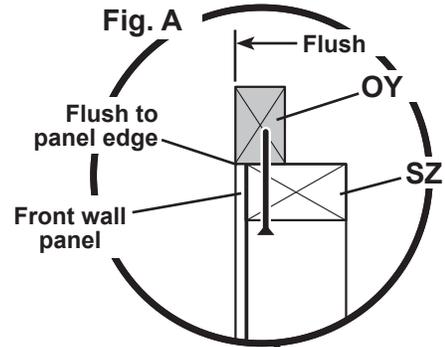
**FINISH**
Your front wall header is installed.

# *RAFTERS*

## PARTS REQUIRED:

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

**x12** ▱ **WI**
2 x 4 x 54-1/16" (5,1 x 10,2 x 137,3 cm)
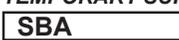
*TEMPORARY SUPPORT*
**x1** | SBA |
2 x 4 x 21" (5,1 x 10,2 x 53,3 cm)
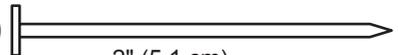
**x120** ▭ 2" (5,1 cm)

---

**You will build Six assemblies. (4) with two gussets, and (2) with one gusset.**

✓**BEGIN**

**1** Place two rafter halves flush in corners of 2nd studs from back wall and flush to side wall panels.
Place temporary support **SBA** beneath rafters at peak.

**2nd Rafter**      **BACK WALL**      **2nd Rafter**

96"
(243,8 cm)

**Flush**                    **Flush**

**WI**                      **WI**

**SBA**
*TEMPORARY
SUPPORT*

**Flush at peak**
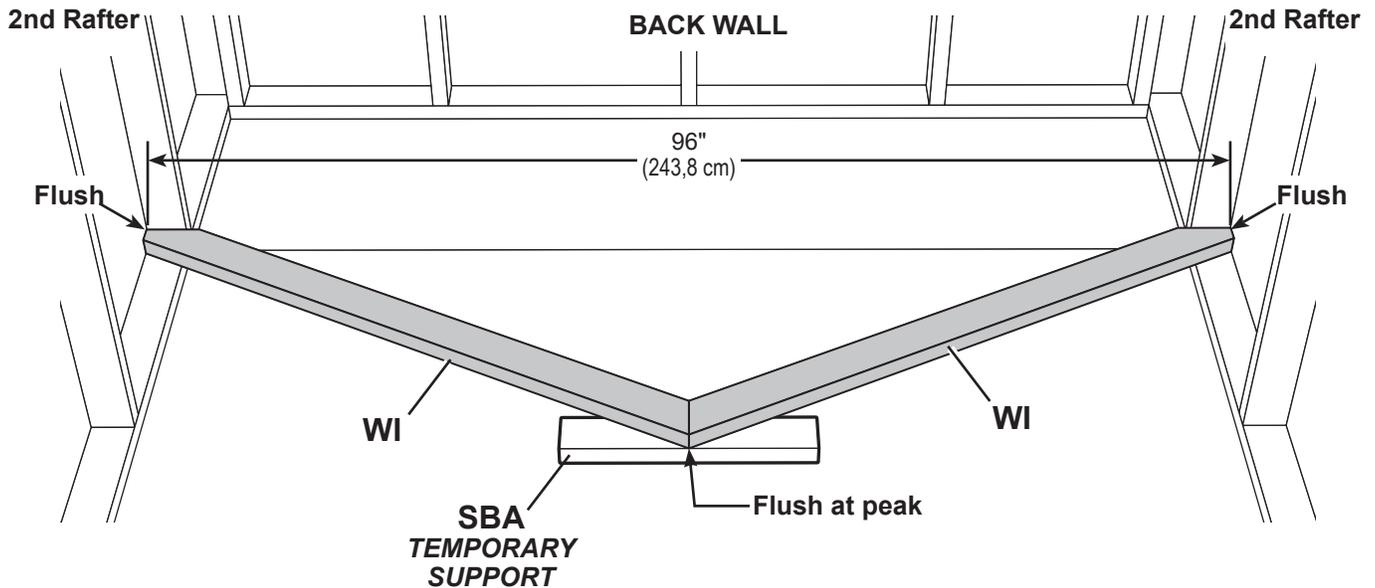
**2** Secure gusset to rafters with (12) 2" nails as shown.
⚠ *SET ASIDE TWO RAFTER ASSEMBLIES WITH ONLY ONE GUSSET ATTACHED.*

**3** Flip rafter assembly over and repeat STEP 3 to attach second gusset to other side.
Repeat STEPS 2 - 3 to build 3 additional rafter assemblies.

**1/4" (6,3 mm)
GAP**        **1/4" (6,3 mm)
GAP**

**Gusset**

Center

**2" (5,1 cm)
Nails
(12) per side**
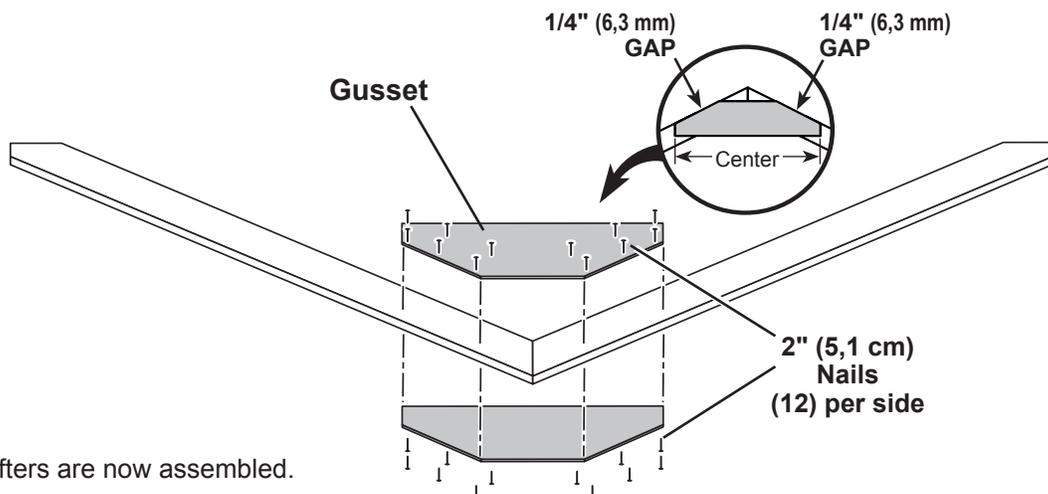
🏁**FINISH**
Your rafters are now assembled.

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# RAFTER INSTALL

**PARTS REQUIRED:**

**x20** 3" (7,6 cm)

**x4** Preassembled

**x2** (1) GUSSET Preassembled
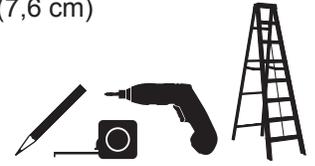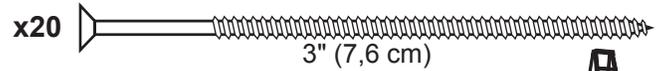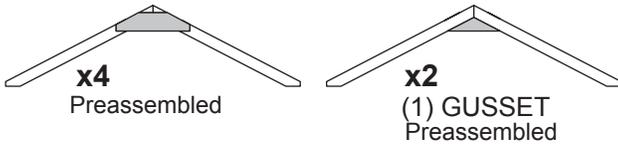
✓**BEGIN**

**1** Secure rafters to top plate with (2) 3" screws in each rafter end **(Fig. A, Fig. B)**.

- *Note single-gusset rafters at front & back walls with gusset facing inward.*

Secure single-gusset rafters to top plate with (1) 3" screw in each rafter end **(Fig. C)**.

**MEASUREMENTS ARE TO CENTER OF RAFTER**

**Fig. A**

24-3/8" (61,9) cm) *From outside of panel*

24" (61 cm)

24" (61 cm)

24" (61 cm)

24-3/8" (61,9) cm) *From outside of panel*

**(1) 3" (7,6 cm) Screw**

**(2) 3" (7,6 cm) Screws**

**DOOR**

**Align over studs.**

**Flush to outside of panel**

**Install end-rafters Flush to outside of panel**

**Fig. C**

**Install rafters Flush to inside of panel**

**Fig. B**

🏁**FINISH**
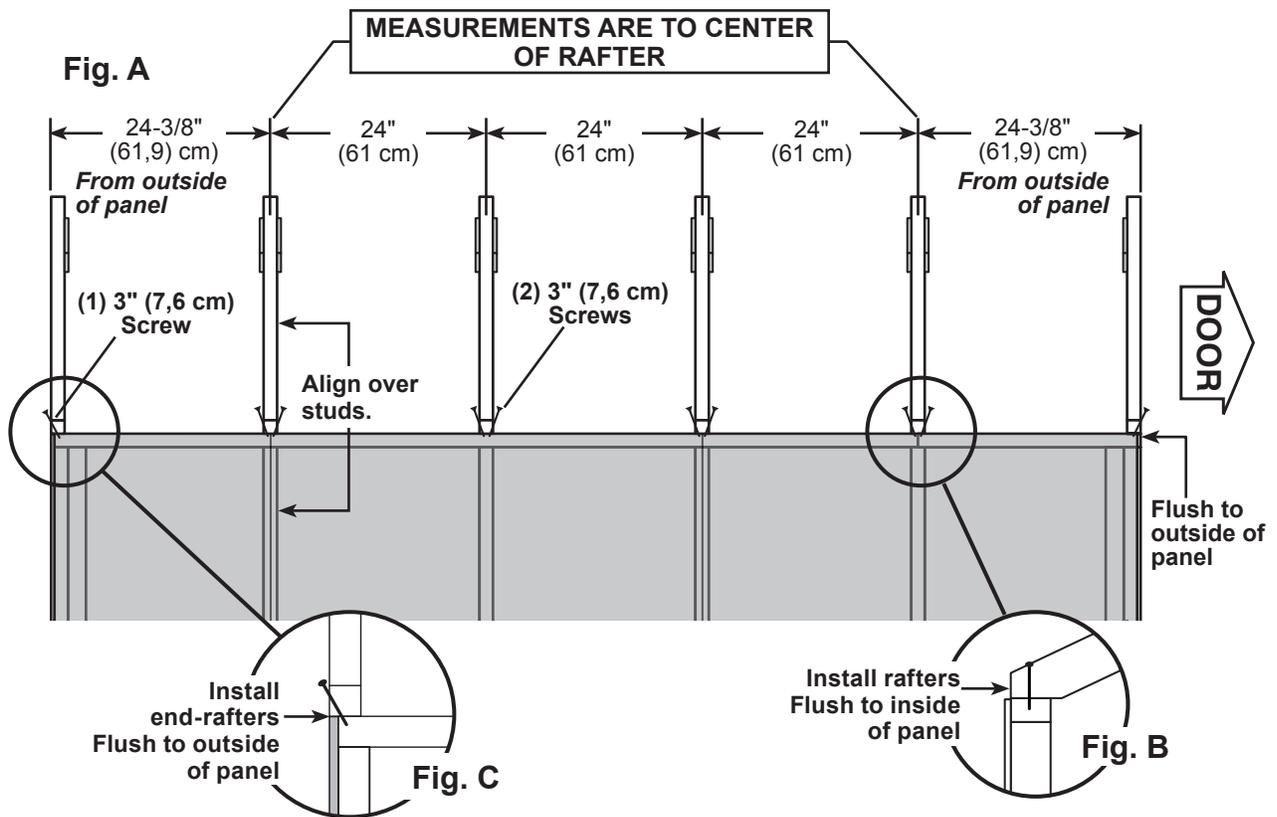
Your rafters are now installed.

# BACK GABLE UNIT

**PARTS REQUIRED:**
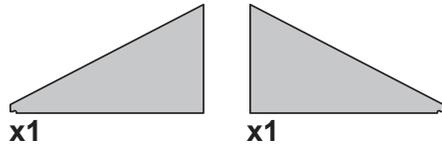
**x8** 1-1/2" (3,8 cm)

**x1** | SBA | 2 x 4 x 21" (5,1 x 10,2 x 53,3 cm)

**x1**   **x1**
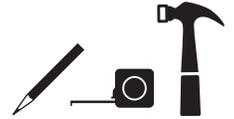
*Install all panels with the primed side facing up.*

✓**BEGIN**

**1** Place left gable panel on **SBA**. Secure with 1-1/2" nails, as shown.
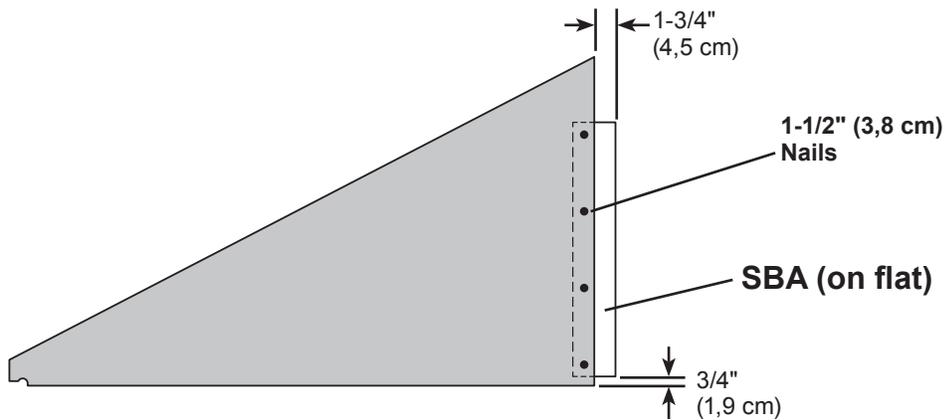
1-3/4"
(4,5 cm)

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

**SBA (on flat)**

3/4"
(1,9 cm)

**2** Place right gable panel flush to left panel. Secure with 1-1/2" nails, as shown.

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

**Flush**

🏁
**FINISH**

Your back gable unit is now assembled.

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# BACK GABLE UNIT INSTALLATION

**PARTS REQUIRED:**

**x38** 1-1/2" (3,8 cm)

**x2** 3" (7,6 cm)

Back Gable Unit

⚠ **BE SURE GABLE IS CENTERED ON WALL BEFORE NAILING.**

✓**BEGIN**

**1** Measure 3/4" down from top plate and mark at each side, as shown. Set gable unit on top plate.
Secure with (1) 1-1/2" nail on each side.

**2** Continue nailing lower edge of panels into top plate with 1-1/2" nails spaced 6" apart.
Secure panels to rafter with 1-1/2" nails spaced 6" apart.

**NAIL FIRST**
**1-1/2"**
**(3,8 cm)**

**3/4"**
**(19,1 mm )**
**Measure and**
**Mark**

**6"**
**(15,2 cm)**

**3/4"**
**(19,1 mm )**
**Measure and**
**Mark**

**NAIL FIRST**
**1-1/2"**
**(3,8 cm)**

**SBA**

**Fig. A**

**3" (7,6 cm)**
**Screws**
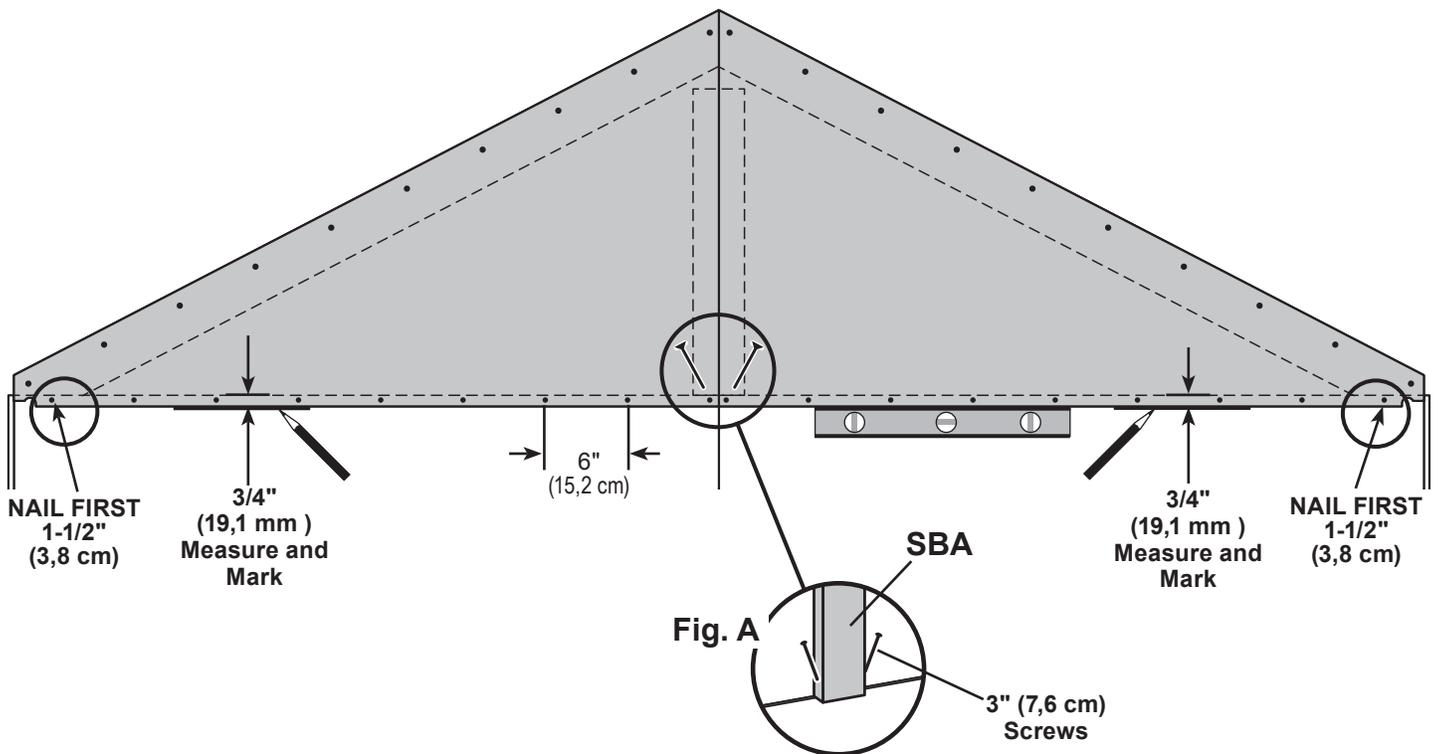
**3** Working inside, secure gable unit with (2) 3" screws into **SBA (Fig. A)**.

🏁**FINISH**
Your back gable unit is now installed.

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# FRONT GABLE UNIT

**PARTS REQUIRED:**

**x1** | NCA | 2 x 4 x 18-1/2" (5,1 x 10,2 x 47 cm)

**x8** 1-1/2" (3,8 cm)

**x1**   **x1**
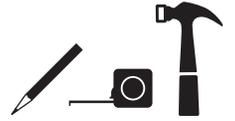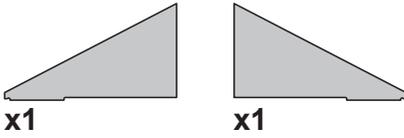
*Install all panels with the primed side facing up.*

✓**BEGIN**

**1** Place left gable panel on **NCA**. Secure with 1-1/2" nails, as shown.
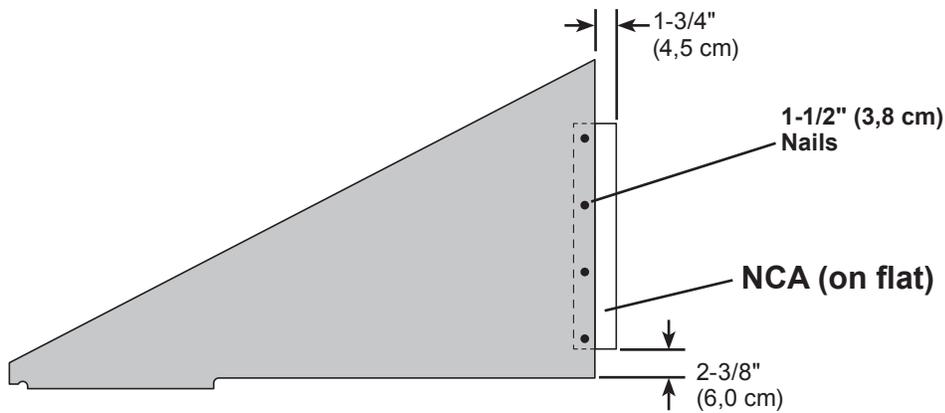
1-3/4"
(4,5 cm)

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

**NCA (on flat)**

2-3/8"
(6,0 cm)

**2** Place right gable panel flush to left panel. Secure with 1-1/2" nails, as shown.

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

**Flush**
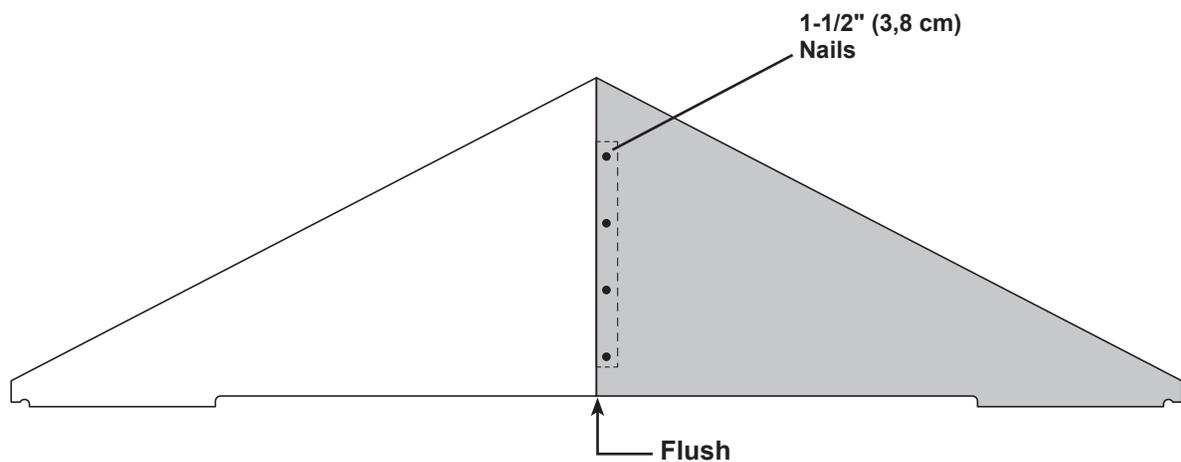
🏁**FINISH**
Your front gable unit is now assembled.

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# FRONT GABLE UNIT INSTALLATION

**PARTS REQUIRED:**
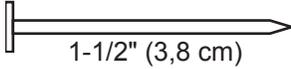
**x40** ⟶ 1-1/2" (3,8 cm)

**x2** 3" (7,6 cm)
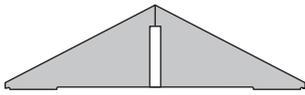
Front Gable Unit
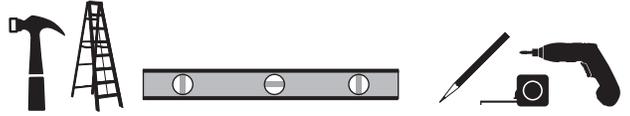
⚠ **BE SURE GABLE IS CENTERED ON WALL BEFORE NAILING.**

✓**BEGIN**

**1** Measure 3/4" down from top plate and mark at each side as shown. Set gable unit on top plate.
Secure with (1) 1-1/2" nail on each side.

**2** Continue nailing lower edge of panels into top plate with 1-1/2" nails spaced 6" apart.
Secure panels to rafter with 1-1/2" nails spaced 6" apart.

**NAIL FIRST**
**1-1/2"**
**(3,8 cm)**

**3/4"**
**(19,1 mm )**
**Measure and**
**Mark**

**6"**
**(15,2 cm)**

**NCA**

**3/4"**
**(19,1 mm )**
**Measure and**
**Mark**

**NAIL FIRST**
**1-1/2"**
**(3,8 cm)**

**Fig. A**

**3" (7,6 cm)**
**Screws**
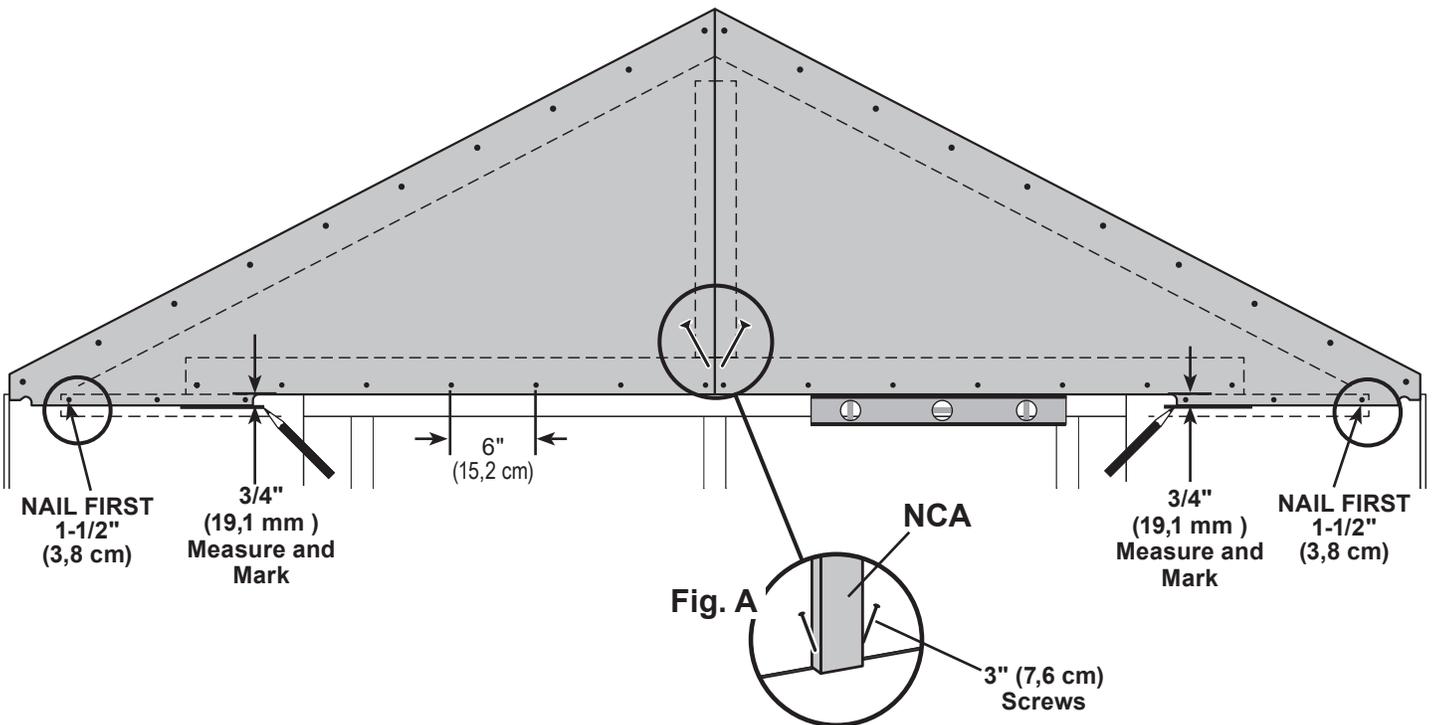
**3** Working inside, secure gable unit connector **NCA** with (2) 3" screws into nailer **OY** at an angle **(Fig. A)**.

🏁**FINISH**
Your front gable unit is now installed.

# ROOF PANELS

**PARTS REQUIRED:**
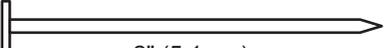
**x2** 7/16 x 9-3/4 x x 23-7/8"
(1,1 x 24,8 x 60,6 cm)
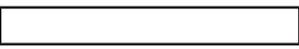
**x2** 7/16 x 9-3/4 x 96"
(1,1 x 24,8 x 243,2 cm)

**x2** 7/16 x 23-7/8 x 48"
(1,1 x 60,6 x 121,9 cm)

**x2** 7/16 x 48 x 96"
(1,1 x 121,9 x 243,2 cm)

**x4** 2" (5,1 cm)

**GAA**
**3/4" GAUGE BLOCK**

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

⚠ **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, Fig. B)**.

Secure panel with (2) 2" nails in the corners.
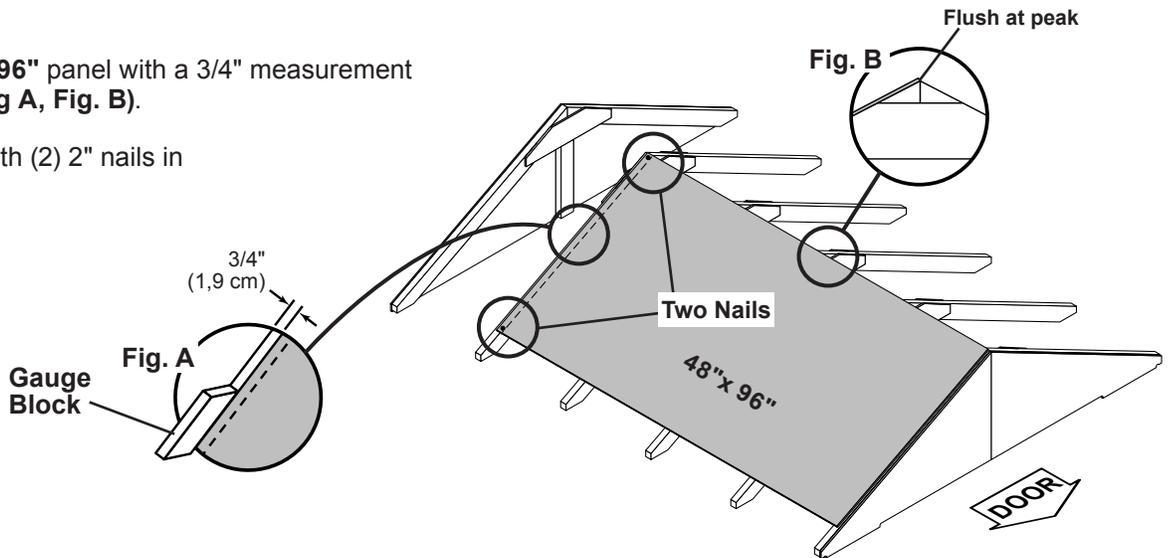
Flush at peak
**Fig. B**

3/4"
(1,9 cm)

**Fig. A**

**Gauge Block**

**Two Nails**

48"x 96"

DOOR

**2** Move to the opposite end of panel. Maintain panel flush at peak **(Fig. B)**.

Use **GAA** gauge block for 3/4" measurement along outside edge of gable panel **(Fig. C)**.

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

Flush at peak
**Fig. B**

move

**Two Nails**

DOOR

**Fig. C**

**Gauge Block**

3/4"
(1,9 cm)

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# ROOF PANELS

**PARTS REQUIRED:**

x4

2" (5,1 cm)
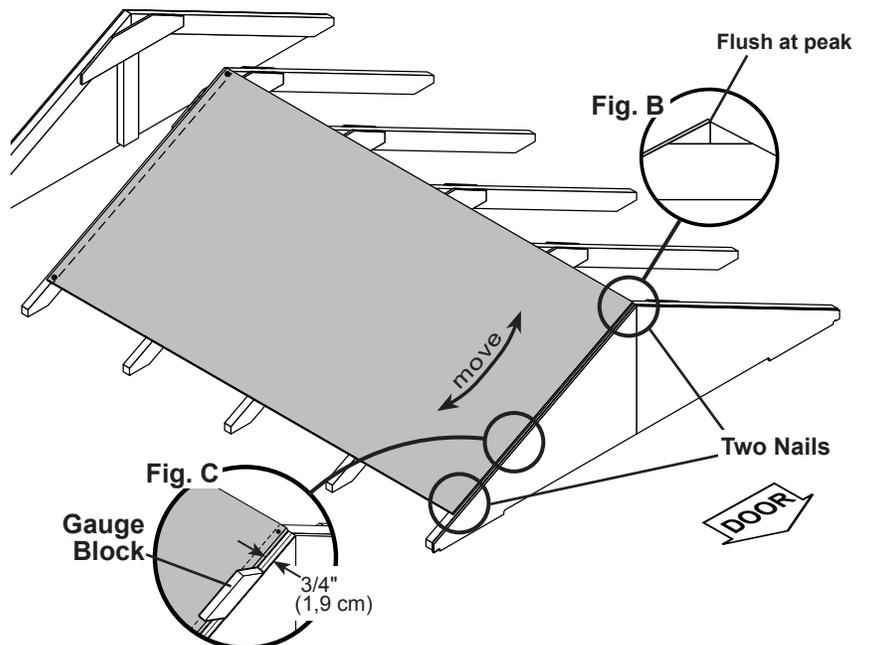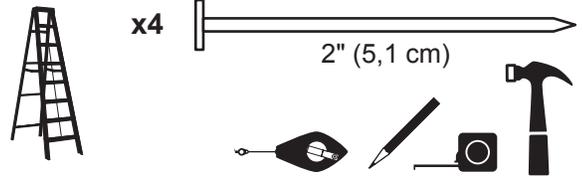
**3** Install **9-3/4"x 23-7/8"** roof panel flush to installed panel and flush at rafter peak **(Fig. B)**.

Secure with (2) 2" nails into panel corners, as shown.
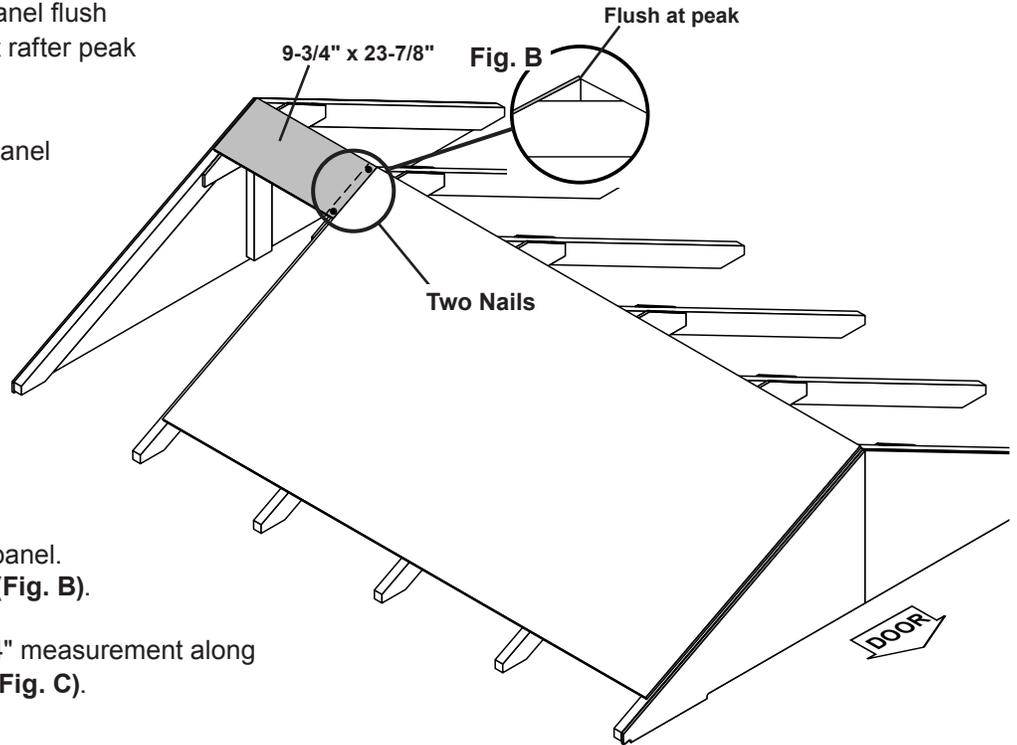
**9-3/4" x 23-7/8"**

**Fig. B**

**Flush at peak**

**Two Nails**

**4** Move to the opposite end of panel. Maintain panel flush at peak **(Fig. B)**.

Use **GAA** gauge block for 3/4" measurement along outside edge of gable panel **(Fig. C)**.

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

**DOOR**

**Flush at peak**

**Fig. B**

**Two Nails**

3/4"
(1,9 cm)

**Fig. C**

**DOOR**

# ROOF PANELS

## PARTS REQUIRED:

**x122** 2" (5,1 cm)
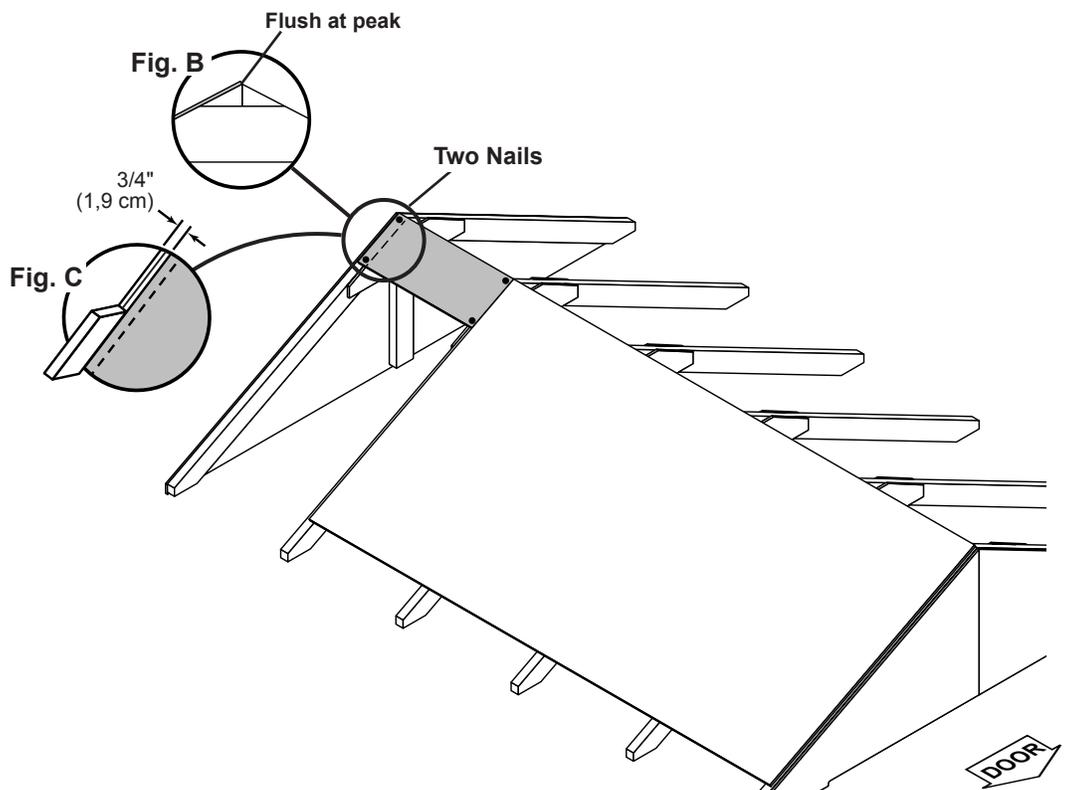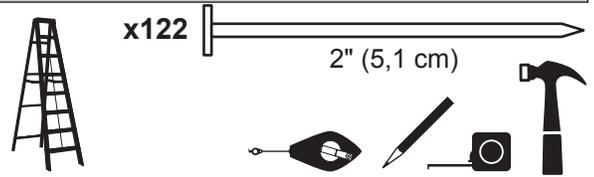
**5** Maintain spacing between the center of the rafters.

Secure with (1) 2" nail into each rafter **(Fig. D)**.

**Fig. D**

MEASUREMENTS
BETWEEN RAFTERS

*To outside of gable panel*
24-3/4" (62,9 cm)

24" (61 cm)

24" (61 cm)

24" (61 cm)

*To outside of gable panel*
24-3/4" (62,9 cm)

**2" (5,1 cm) Nails x3**

DOOR
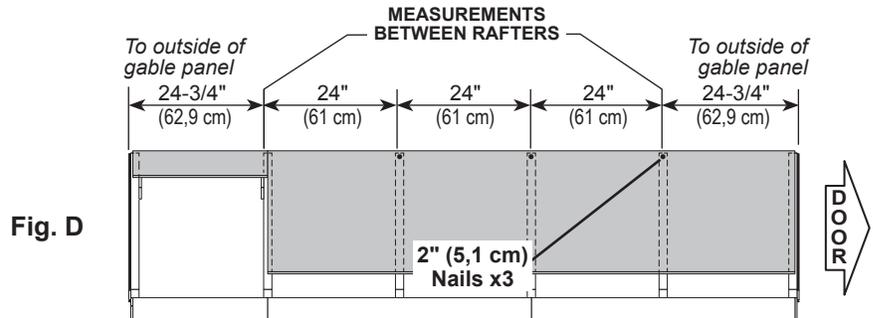
**6** Install **23-7/8" x 48"** and **9-3/4" x 96"** roof panels flush to installed panels, as shown.

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

**Flush**

**Flush**

12" (30,5 cm)

**Flush**

6" (15,2 cm)

**23-7/8" x 48"**

**Flush**

**9-3/4" x 96"**

DOOR
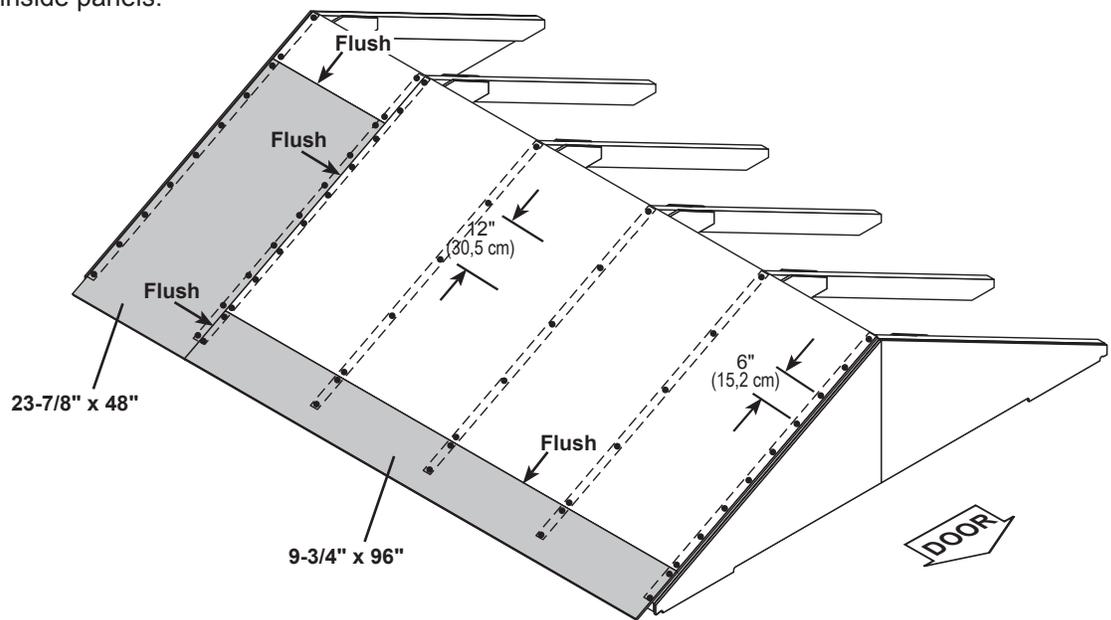
**7** Repeat steps to attach roof panels on the opposite side.
*Install panels in opposite pattern, as shown.*

**FINISH**
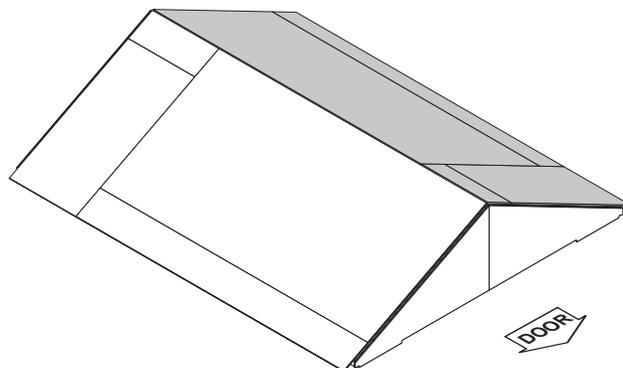
Your roof panels are now installed.

DOOR

# GABLE FASCIA - FRONT

## PARTS REQUIRED:

**x1** BSR
19/32" x 3-1/2 x 58-7/8" (2,5 x 8,9 x 149,5 cm)

**x1** BSL
19/32" x 3-1/2 x 58-7/8" (2,5 x 8,9 x 149,5 cm)

TEMPORARY
**x4** FA
19/32" x 2-1/2 x 22-5/8" (2,5 x 6,3 x 57,5 cm)

**x48** 2" (5,1 cm)

---
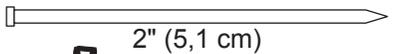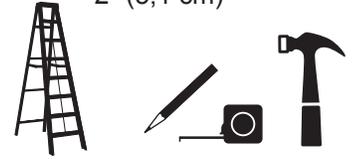
### *Install all trim boards with the primed side facing out.*

### Use FA as temporary ledger-boards to help install trim boards.

---

✓**BEGIN**

**1** Install (4) **FA** projecting out past edge of OSB roof panels, two on each side of roof, as shown.
Fasten each with 2" finishing nails. ***Do not sink nails completely.***

**FA**
**TEMPORARY**

Flush trim up
to bottom of FA.
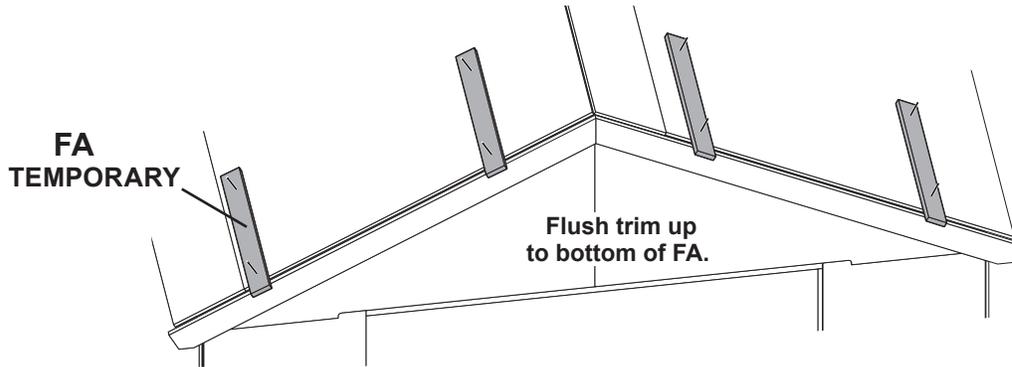
**2** Install **BSL** and **BSR** flush at rafter peak and flush to top of OSB roof panels.
Fasten trim with 2" finishing nails in pattern shown.

Flush at peak

2" (5,1 cm)
Finishing Nails

**BSL**

**BSR**

⚠ Flush to top of OSB
roof panels

⚠ Flush to top of OSB
roof panels
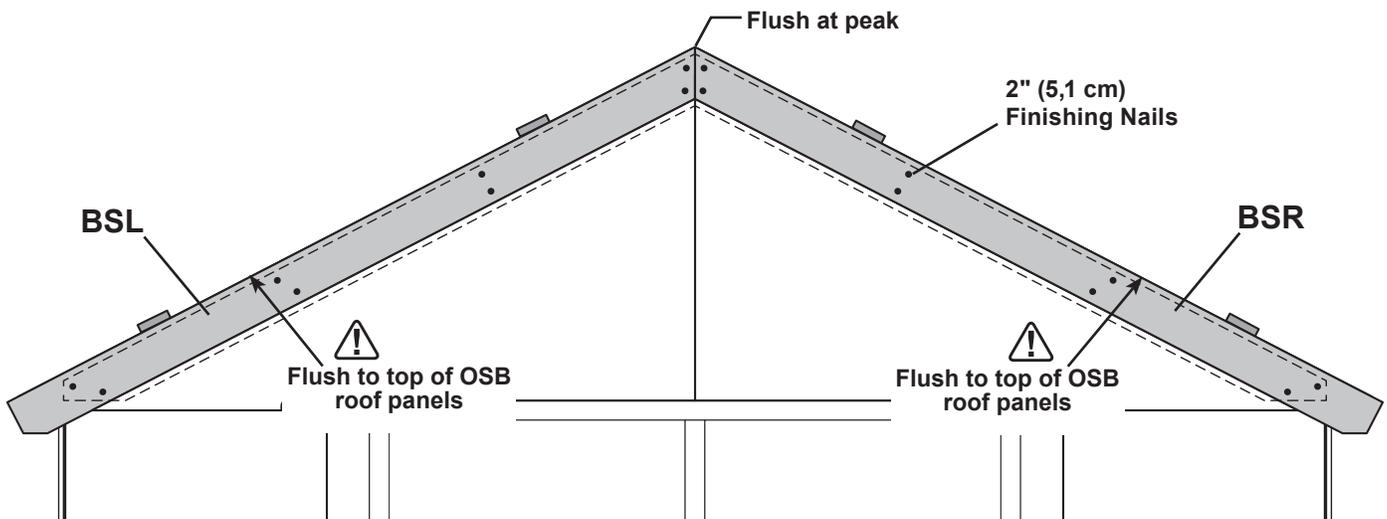
*Remove temporary roof ledger boards.*

Repeat steps to install the back gable trim.

🏁**FINISH**
Your front and back gable trim is now installed.

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## EAVE SOFFIT

**PARTS REQUIRED:**

x32 |▭▭▭▭▭▭▭▭▭▭▭▭
1-1/4" (3,2 cm)

**x2** | EFC | 2 x 3 x 49-1/2" (5,1 x 7,6 x 125,7 cm)

**x2** | OY | 2 x 3 x 72" (5,1 x 7,6 x 182,9 cm)
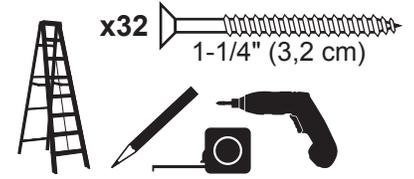
✓**BEGIN**

**1** Place parts **OY** and **EFC** flush to bottom of roof overhang and wall panel as shown **(Fig. A)**.

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

**EFC**

**OY**

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

**Flush**

**OY**

**EFC**

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

**Fig. A**

**Flush**
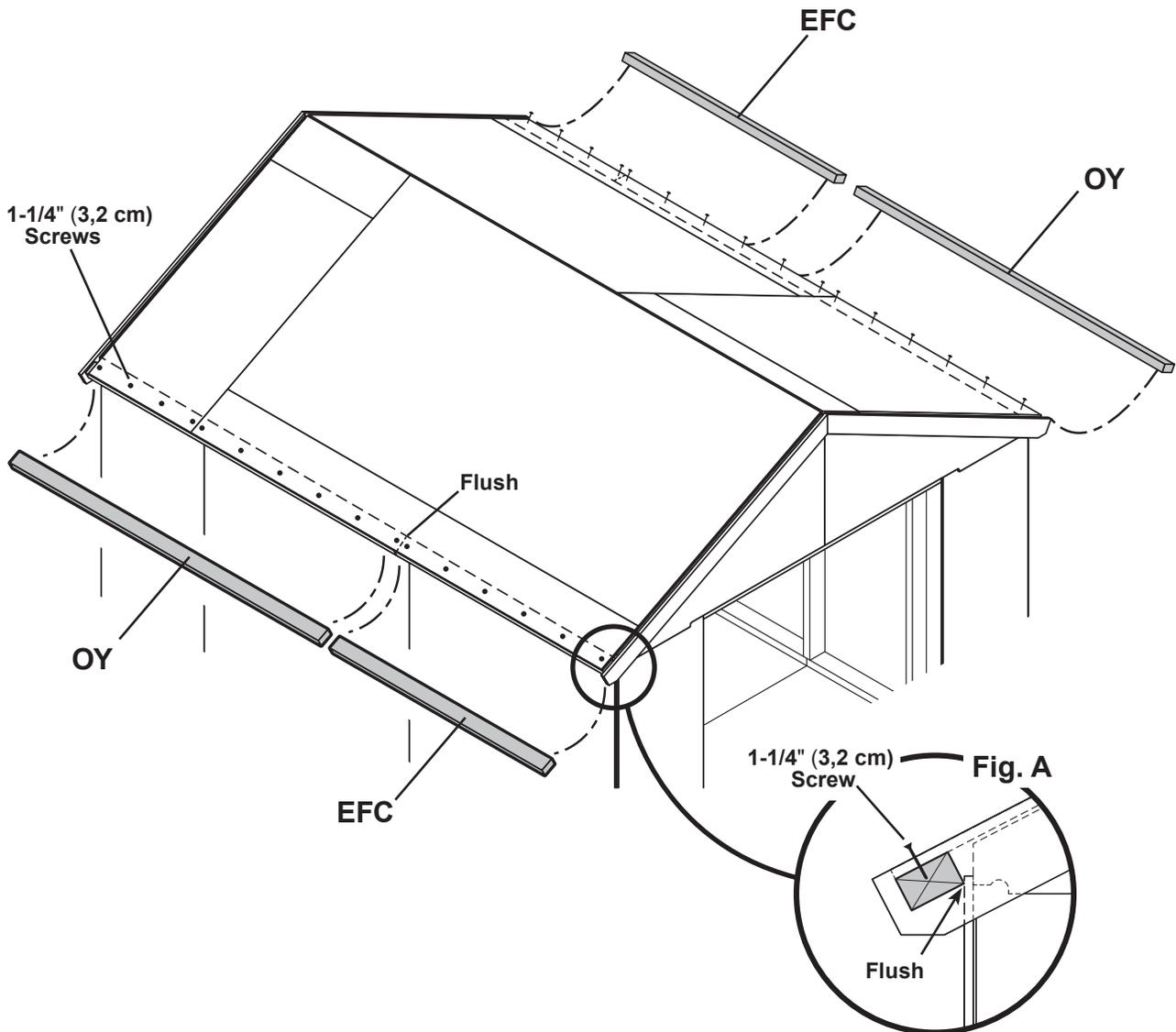
🏁**FINISH**
You have finished installing your eave soffits.

# EAVE FASCIA

## PARTS REQUIRED:

**x2** ROR — 2 x 2-1/2 x 28-1/2" (5,1 x 6,3 x 72,4 cm)

**x2** DKB — 19/32" x 2-1/2 x 93" (2,5 x 6,3 x 236,2 cm)

**x22** 2" (5,1 cm)

---
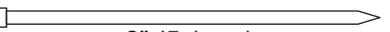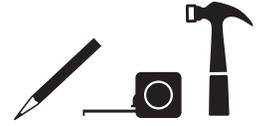
*Install all trim boards with the primed side facing out.*

✓**BEGIN**

**1** Install eave fascia boards **ROR** and **DKB**, as shown **(Fig. A)**.

Secure with 2" finishing nails.

**ROR**

**DKB**

**Flush at seam**

**ROR**

**DKB**

**Fig. A**

Flush to roof panels and soffit

2" (**5,1 cm**) Finishing Nails

🏁**FINISH**
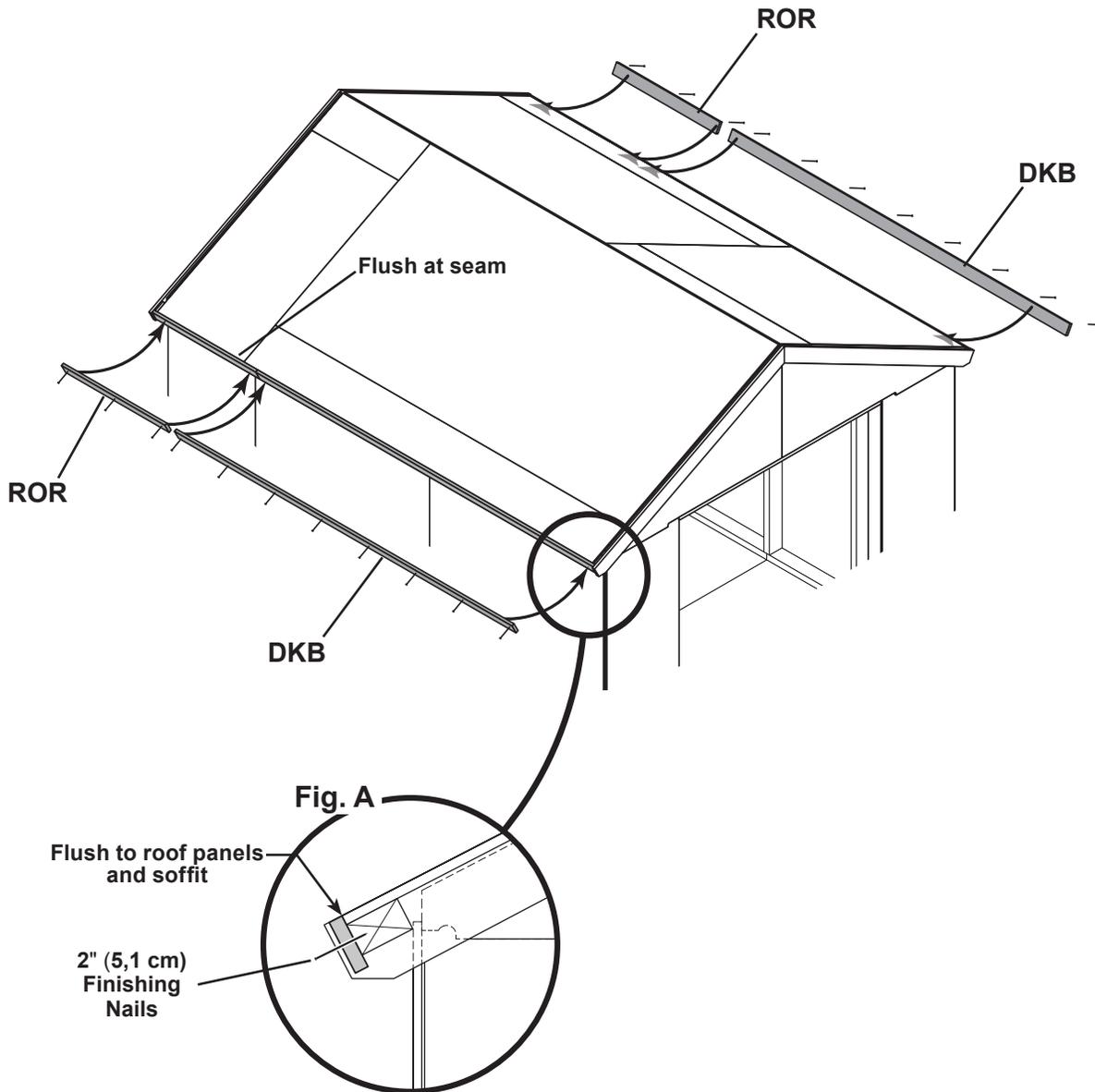
You have installed your eave fascia.

39

## *DOORS*

### PARTS REQUIRED:

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

**x1** GAA
1 x 3 x 5" (2,5 x 7,6 x 12,7 cm)

**x4** 3" (7,6 cm)
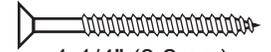
**x2** 1-1/4" (3,2 cm)
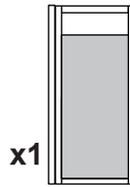
**x1** Left Door Assembled
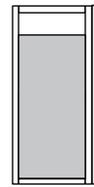
**x1** Right Door Assembled
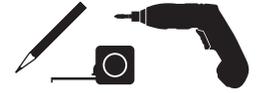
✓**BEGIN**

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

Attach temporary supports **OO** and **GAA** as shown.

GREEN

RED

⚠ **OFFSET**
3/8"
(1 cm)

3/8"
(1 cm) ⚠

**OFFSET** ⚠
3/8"
(1 cm)

**(4) 3" (7,6 cm)**
**Screws**

**OO**

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

**GAA**

3/8" (1 cm)

**Bottom edges Flush**

40

# DOORS

## PARTS REQUIRED:

**x12** ⊨▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭▭
3" (7,6 cm)
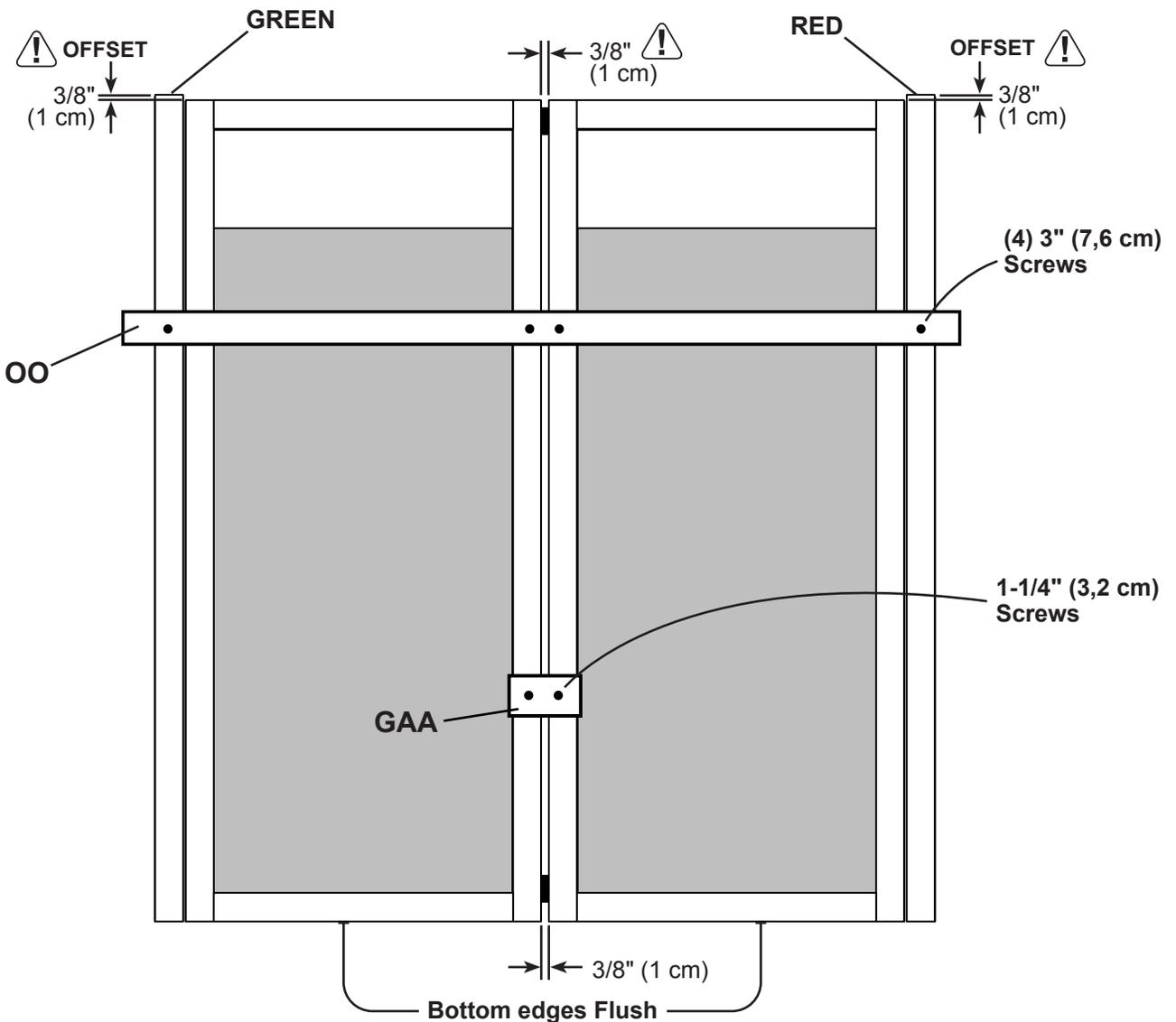
**x1** | **OO** | *TEMPORARY SUPPORT*
69" (175,3 cm) Door Stiffener

**2** Install **OO** flush under panels.
Secure to floor frame with (2) 3" screws **(Fig. A)**.

**Fig. A**

**Flush** ⚠
**against wall panels**

**OO**

**OO**
*TEMPORARY SUPPORT*
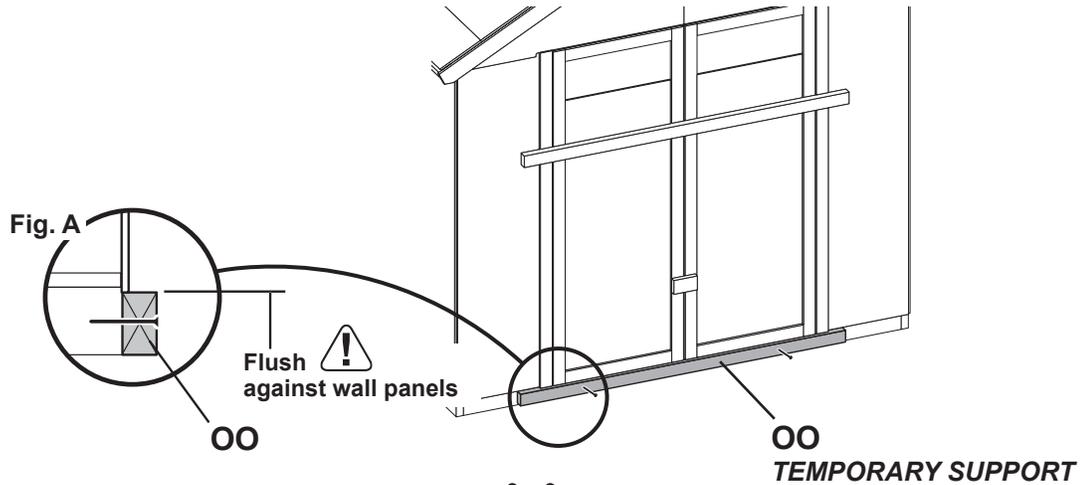
**3** Center doors on the panel seam, as shown **(Fig. B)**.

**4** Secure hinge boards to wall innner framing with (10) 3" screws as shown.
⚠ **Make sure screws go into framing**.

← **SEAM**

**Fig. B**

3/8"
(1 cm)

**(4) 3" (7,6 cm) Screws
into door stud**

**(2) 3" (7,6 cm) Screws**
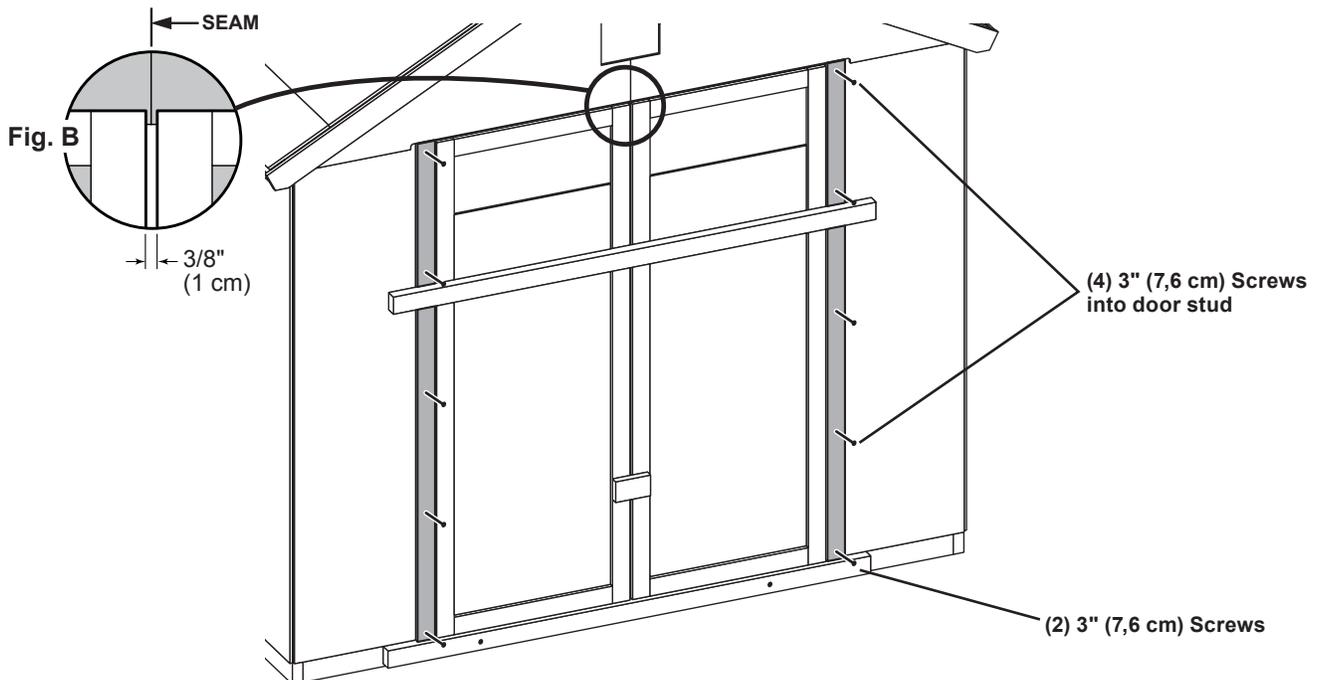
Remove temporary supports and ensure that the doors open and close properly.

🏁 **FINISH**
You have finished installing your doors.

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# DOOR TRIM

## PARTS REQUIRED:

x1 [ ]

x5 ▭═══════

55-7/8" Metal Threshold

2" (5,1 cm)

x2 **FA**
19/32" x 2-1/2 x 22-5/8" (2,5 x 6,3 x 57,5 cm)

‹‹‹‹‹‹‹‹‹‹‹ 3/4" (1,9 cm) x10
**Bagged seperately / special coating**

**x60** ◁▭▭▭
3/4" (1,9 cm)

x1 **WR**
19/32" x 2-1/2 x 63" (2,5 x 6,3 x 160 cm)

x1 **ACL**
19/32" x 2-1/2 x 51" (1,5 x 7,6 x 67,6 cm)

x1 **ACR**
19/32" x 2-1/2 x 51" (1,5 x 7,6 x 67,6 cm)

✓**BEGIN**

**1** Reinforce the door trim using 3/4" screws through door panel into door trim **(Fig. A, Fig. B)**.

**2** Fasten (2) horizontal door rails **FA** with 3/4" screws from inside of doors.

**3** Install door trim **ACL** and **ACL**, as shown, with 3/4" screws from inside of doors.

**4** Center trim **WR** over doors and secure with (5) 2" finishing nails into framing.

**WR**

**CENTER**

**2" (5,1)
Finishing Nails
x5**

**Nail into
framing.**

**3/4" (1,9 cm)
Screws from behind.**

**Door
Panel**

**Fig. A**

**Door
Trim**

⚠

Install **FA** flush
to bottom of
window opening.

**FA**

**FA**

**FA**

**ACR**

**ACL**

**Flush**

**Flush**

**Flush**
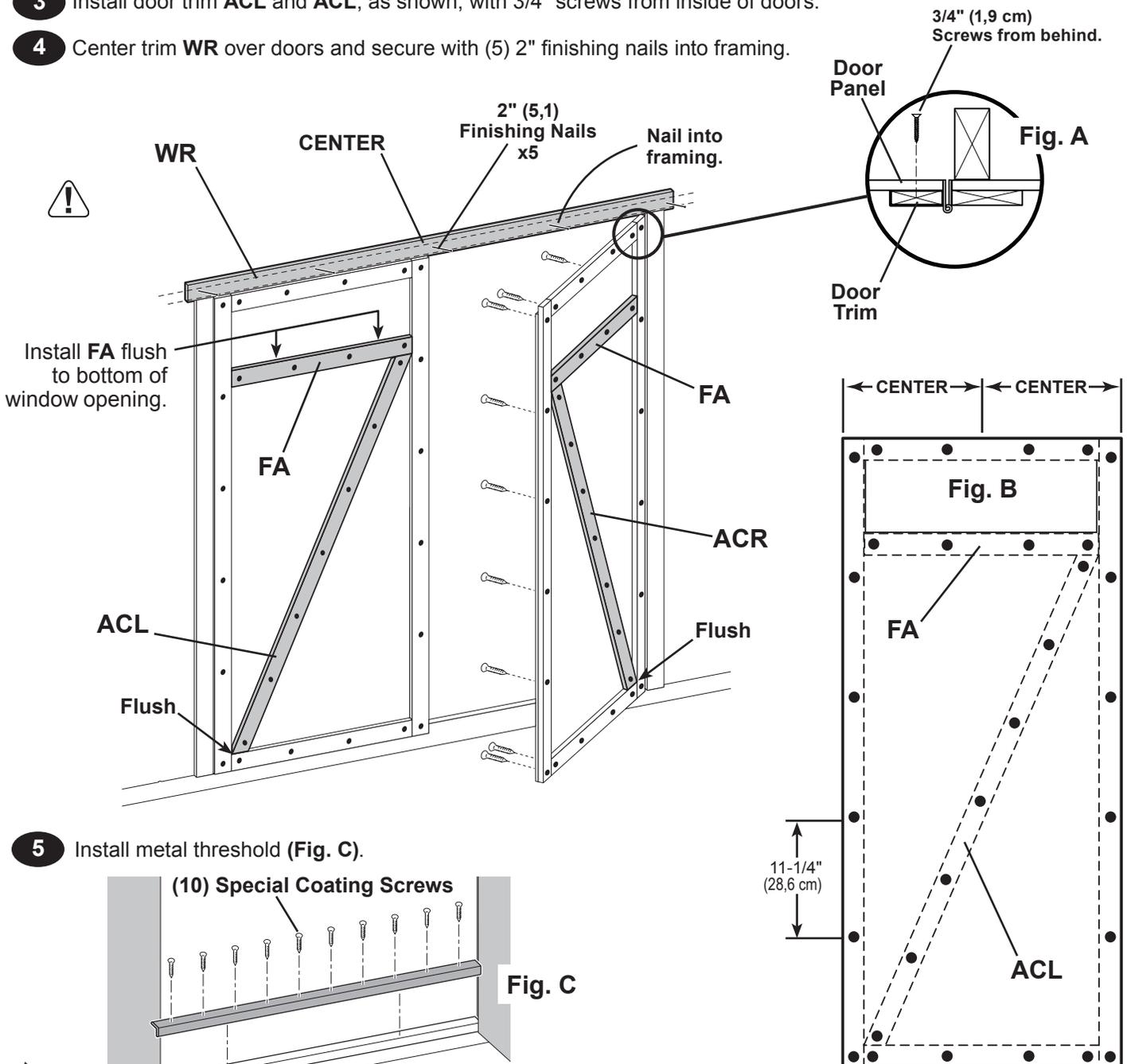
**5** Install metal threshold **(Fig. C)**.

**(10) Special Coating Screws**

**Fig. C**

← **CENTER** → ← **CENTER** →

**Fig. B**

**FA**

11-1/4"
(28,6 cm)

**ACL**

🏁**FINISH**

Your door trim and threshold are now installed.

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## DOOR TRANSOM WINDOWS

**PARTS REQUIRED:**

x2 Transom Window

x8 3/4" (1,9 cm)
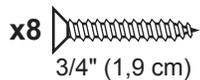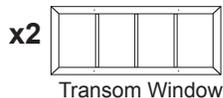
**✓BEGIN**

**1** Apply high quality exterior-grade caulk behind frame near edge before installing to seal window.

You must caulk completely around window frame and all exposed door panel edges and trim to validate your warranty.
Use a paintable exterior rated caulk.
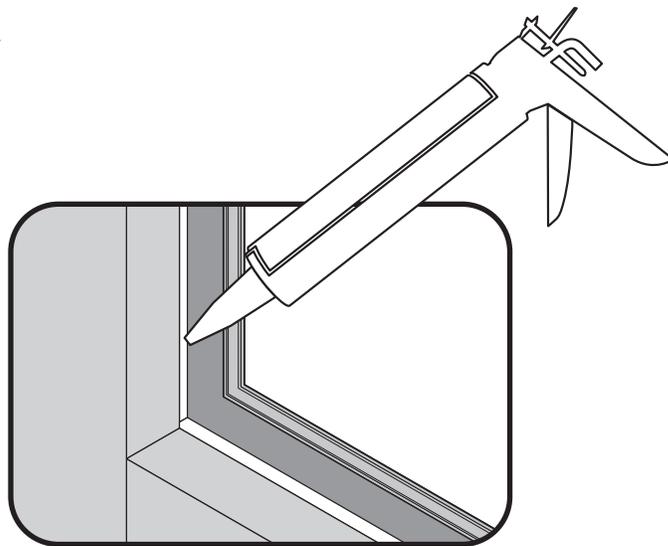
**FRONT SIDE VIEW**

**2** Install window from the back side of the door.
Center the window looking at the front of the door,
make sure there is an even reveal along the trim of the door and the window.

Use 3/4" screws to secure the window.

**Center window on mark**

**3/4" (1,9 cm) Screws x8**

**BACK SIDE OF DOORS**
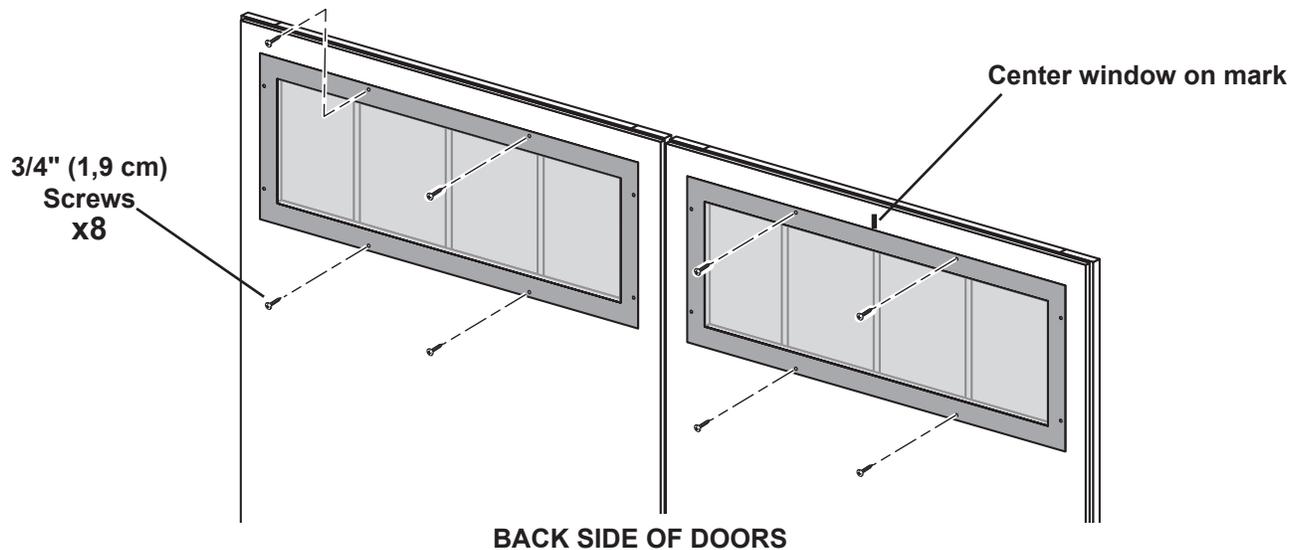
**FINISH**
Your transom windows are installed.

## *DOOR STIFFENERS*

**PARTS REQUIRED:**

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

**x14** 2" (5,1 cm)
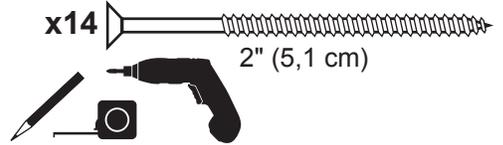
✓**BEGIN**

**1** Center **OO**'s vertically on the left and right doors as shown **(Fig. A, Fig. B)**.

Secure with (7) 2" screws through outside trim into **OO (Fig. B)**.

Center OO in door opening.

**Fig. A**

⚠

**IT IS IMPORTANT TO HOLD THESE DIMENSIONS**

**OO x2**

**Fig. B**

3/4" (1,9 cm)

3/4" (1,9 cm)

**OFFSET**

**2" (5,1 cm) Screws**

**2" (5,1 cm) Screws x14**

11" (27,9 cm) Approximately

🏁**FINISH**
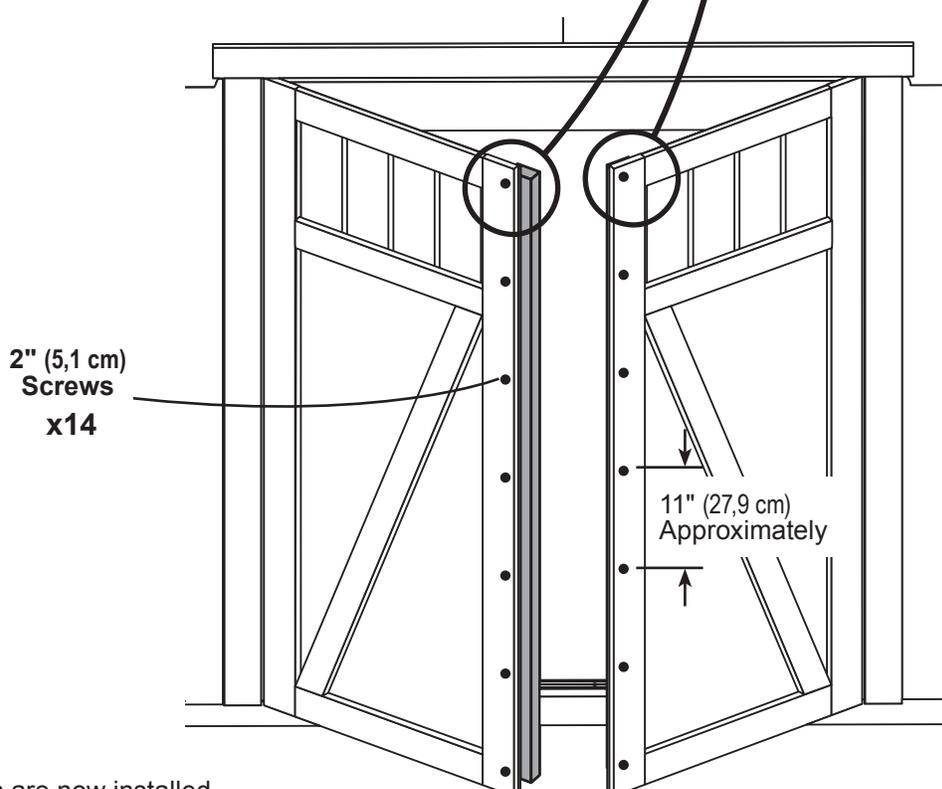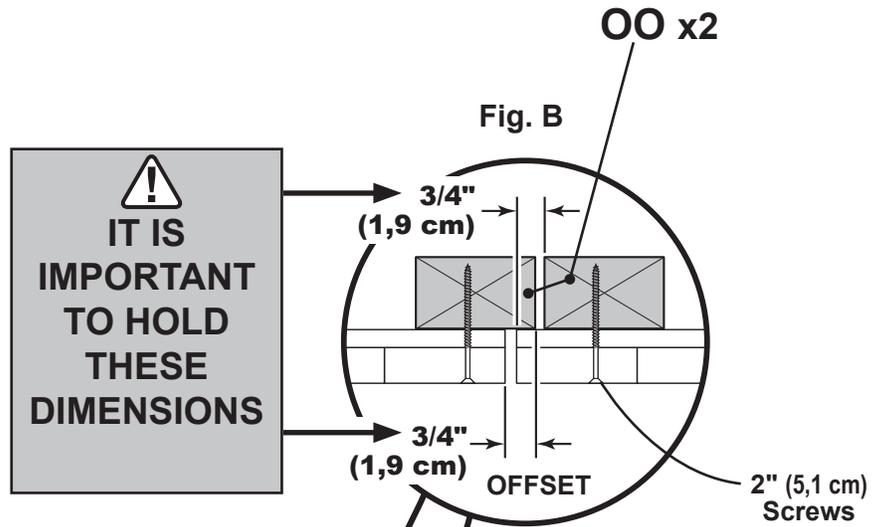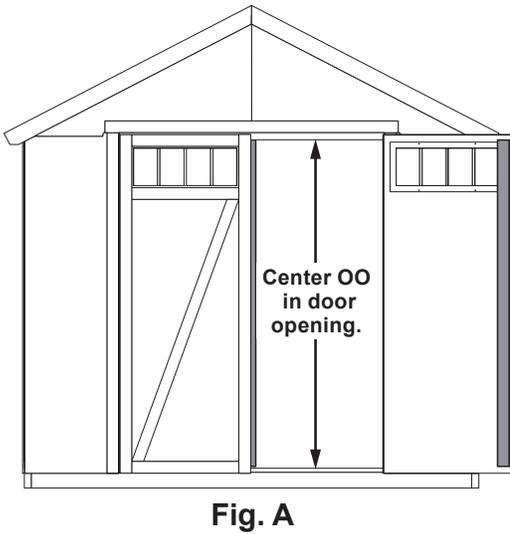
Your door stiffeners are now installed.

# DOOR HARDWARE

## PARTS REQUIRED:

x2

x8
1" (2,5 cm)

5/16" (0,8 cm) Drill Bit
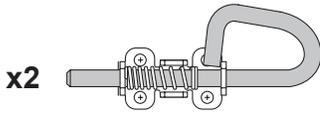
**√BEGIN**

**1** Place spring bolt onto **OO** in open position with bolt end 3/8" down from frame.
Bolt is open when loop is contacting base **(Fig A)**.

Mark and pre-drill holes for screws.

**2** Install bolt with screws supplied and drill 5/16" hole for bolt to extend into.

**3** Place bolt onto **OO** in open position with bolt end 1/2" up from floor.
Bolt is open when loop is contacting base **(Fig B)**.

Mark and pre-drill holes for screws.

**4** Install bolt with screws supplied and drill 5/16" hole for bolt to extend into.

## Fig. A

⚠ **LOCATE AND PRE-DRILL HOLES TO AVOID SPLITTING WOOD**

**OVER DOOR FRAME**

**5/16" drill for bolt:
1" deep.**

**OO**
1-1/4 x 2-1/2 x 69"

**3/8" with bolt in open
position.**

**x4**

**OPEN POSITION,
Spring is loose.**

**PRE-DRILL
(4) HOLES**

**Loop contacts
base.**

**LEFT
DOOR**

## Fig. B

**Loop contacts
base.**

1-1/4 x 2-1/2 x 69"
**OO**

**x4**

**OPEN POSITION,
Spring is loose.**

**PRE-DRILL
(4) HOLES**

**FLOOR**   **1/2"**

**5/16" drill for
bolt: 1" deep.**
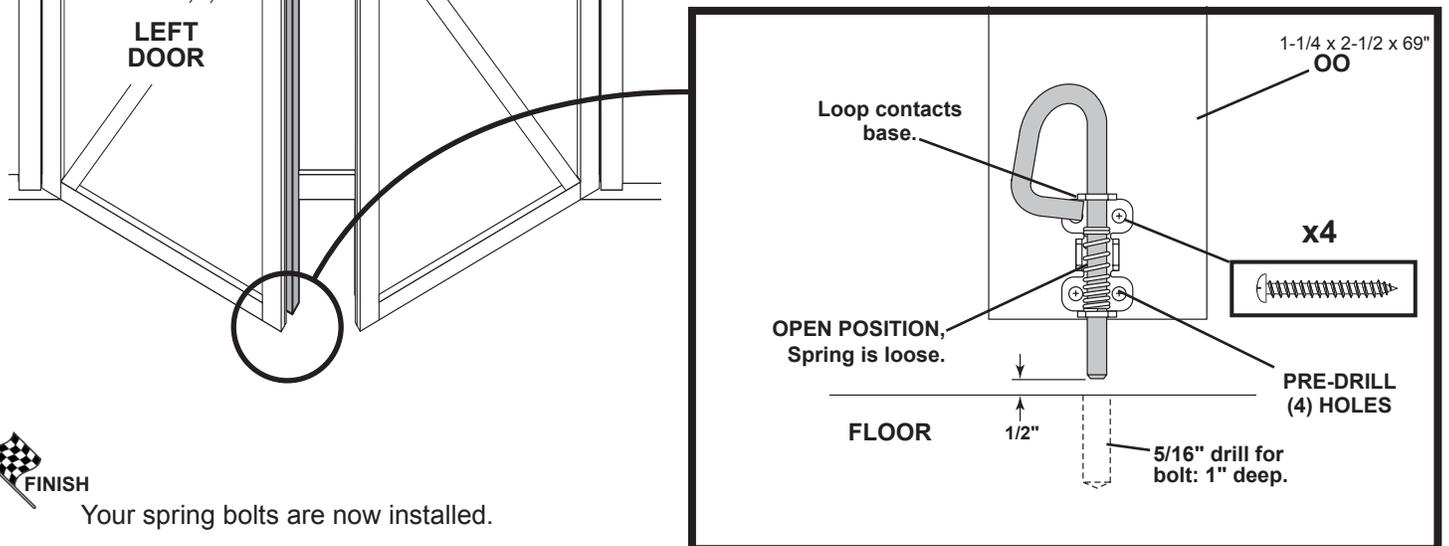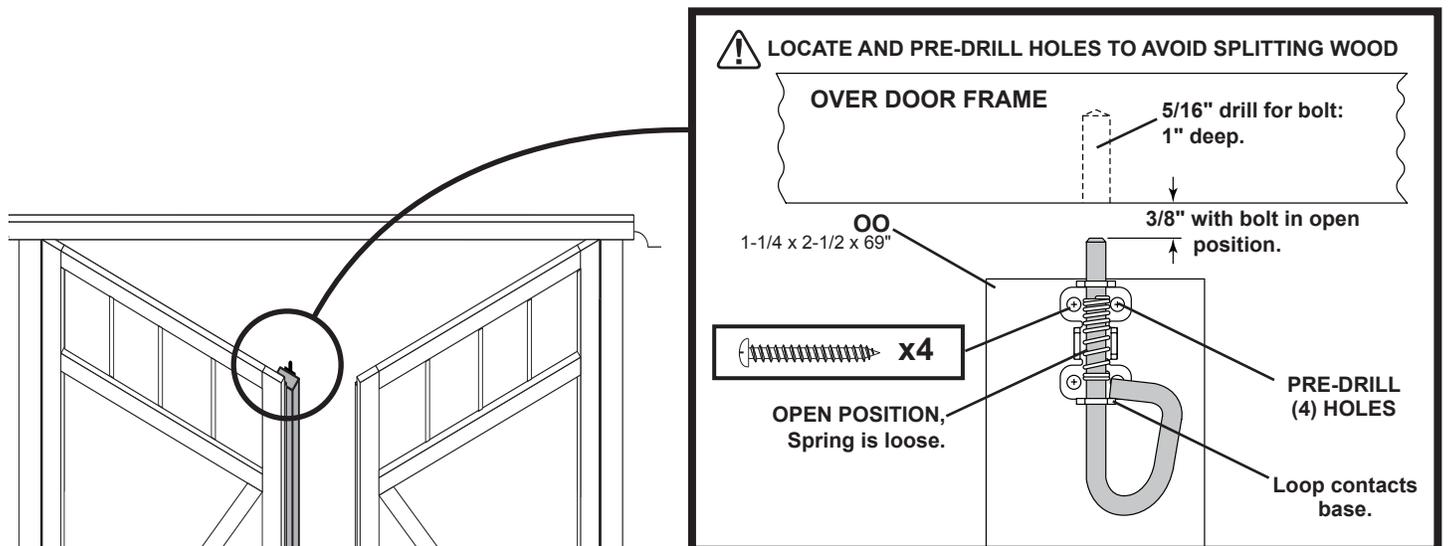
🏁**FINISH**
Your spring bolts are now installed.

# DOOR HARDWARE / DECORATIVE HINGES

**PARTS REQUIRED:**

x1

x4

x12 3/4" (1,9 cm)

x2 1-1/2" (3,8 cm)
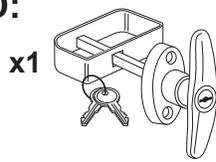
3/8" (10,9 cm) Drill Bit

1/4" (0,6 cm) Drill Bit

✓**BEGIN**

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

Re-drill hole with 3/8 " drill.

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

**Flush to hinge**

**RIGHT DOOR**

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

35-3/4" (90 cm)

**TOP VIEW**

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

**1/4" Pre-drill and 3/8" Drill-through.**
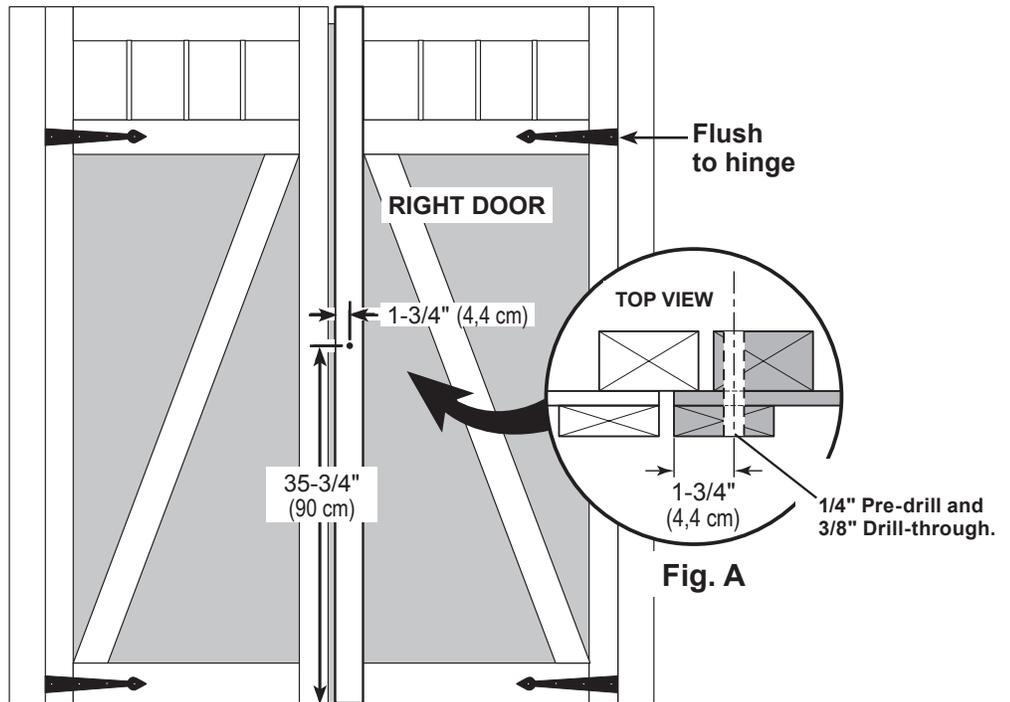
**Fig. A**

**2** Insert handle in hole and secure with 1-1/4" screws.

**3** Attach inside handle and secure with set screw.

**4** Install decorative hinges on horizontal trim and flush against hinge, as shown.

**SET SCREW**

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

🏁**FINISH**
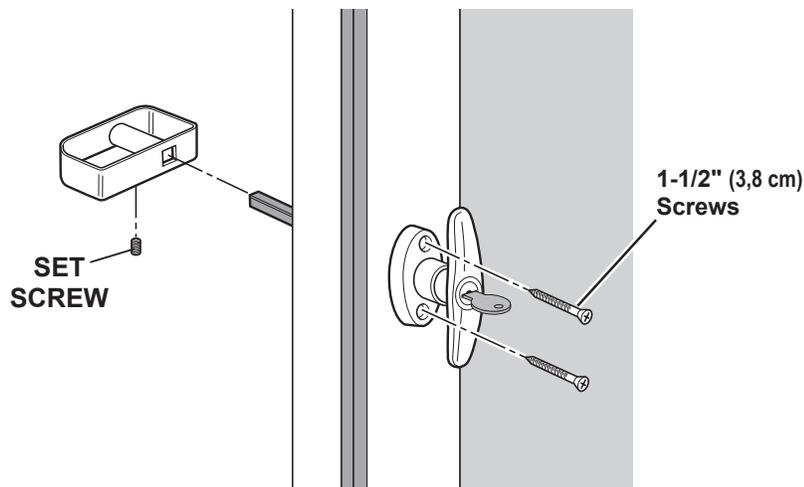
Your T-handle and decorative hinges are now installed.

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## CORNER TRIM

### PARTS REQUIRED:

**x8**

3/8 x 1-3/4 x 71-1/2" (1 x 4,4 x 181,6 cm)

**x48**

2" (5,1 cm)

√**BEGIN**

**1** Front and back **71-1/2"** corner trim is flush under gable panel **(Fig. A)** and flush along the face of side wall panel. Secure with 2" finishing nails, spaced evenly.

**2** Install **71-1/2"** side corner trim is flush under soffit board and flush along edge of front and back corner trim.
Secure with 2" finishing nails, spaced evenly.

Repeat steps to install trim to all four corners.

**71-1/2"**
**on gable**
**walls**

**71-1/2"**
**on eave**
**walls**

**Fig. A**

**Flush under**
**soffit board**

**Flush under**
**gable panel**

**Seam is flush. Caulk seam**
**before painting trim.**

**2" (5,1 cm)**
**Finish Nails**

**71-1/2"**
**on eave walls**

**71-1/2"**
**on gable**
**walls**
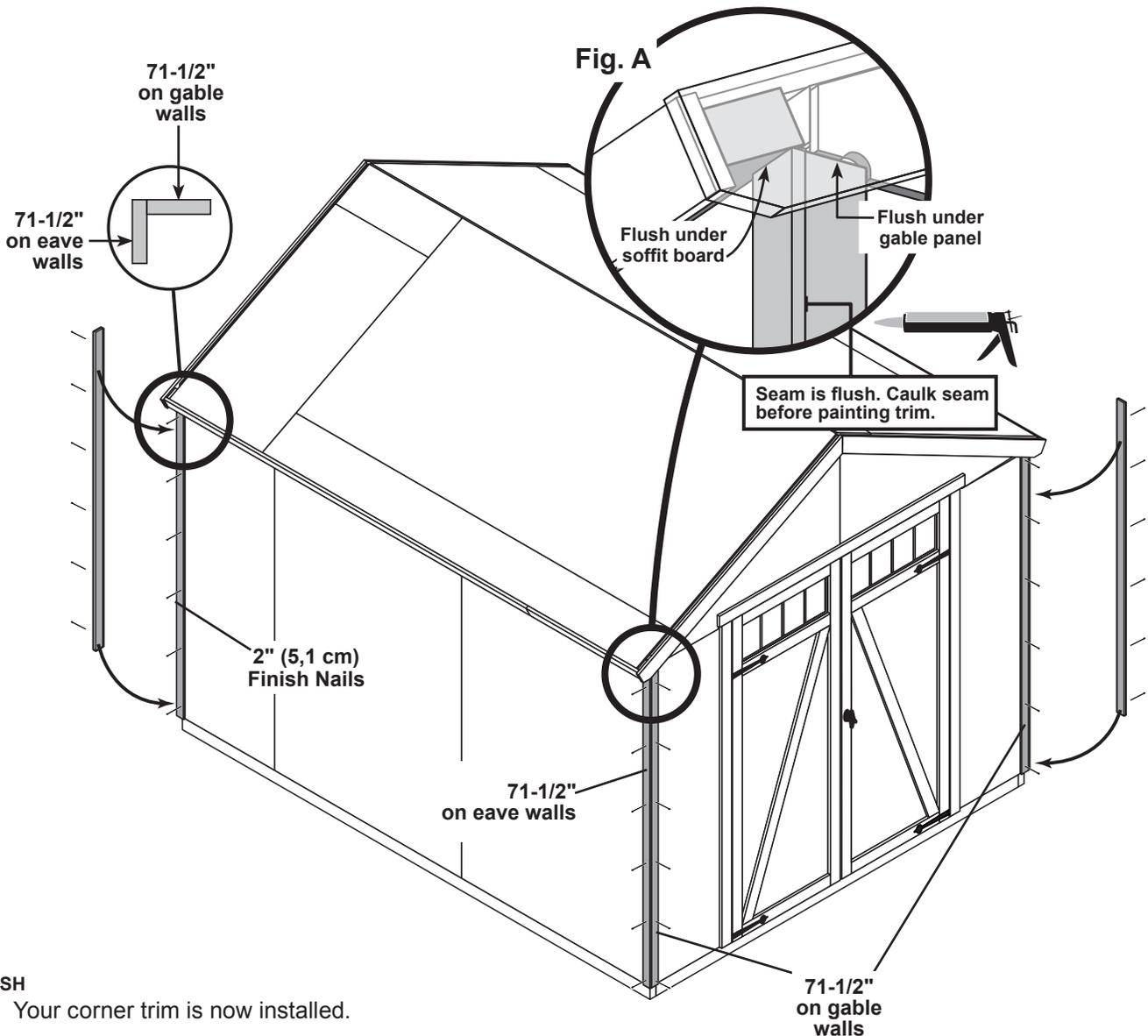
🏁**FINISH**
Your corner trim is now installed.

## WALL VENTS

**PARTS REQUIRED:**

**x2**  8 x 16"
(20,3 x 35,6 cm)
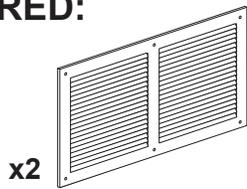
**x12**  1/2" (1,3 cm)
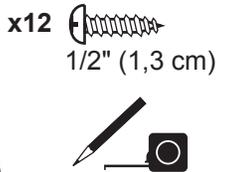
*You can place your side wall vent on either side of shed*

**✓BEGIN**

**1** Locate and mark for vents in side walls. Install (1) vent near the floor and (1) vent near the eave.

Caulk behind vent flanges.

Secure with 1/2" screws.

**Upper Side Wall Vent**

3"– 5"
(7,6 – 12,7 cm)

**Caulk**

4-1/4"
(10,8 cm)

6"
(15,2 cm)

14"
(35,6 cm)

**Side of Shed**

14"
(35,6 cm)

**Side of Shed**

4-1/4"
(10,8 cm)

**Caulk**

6"
(15,2 cm)

3 – 5"
(7,6 – 12,7 cm)

**Lower Side Wall Vent**
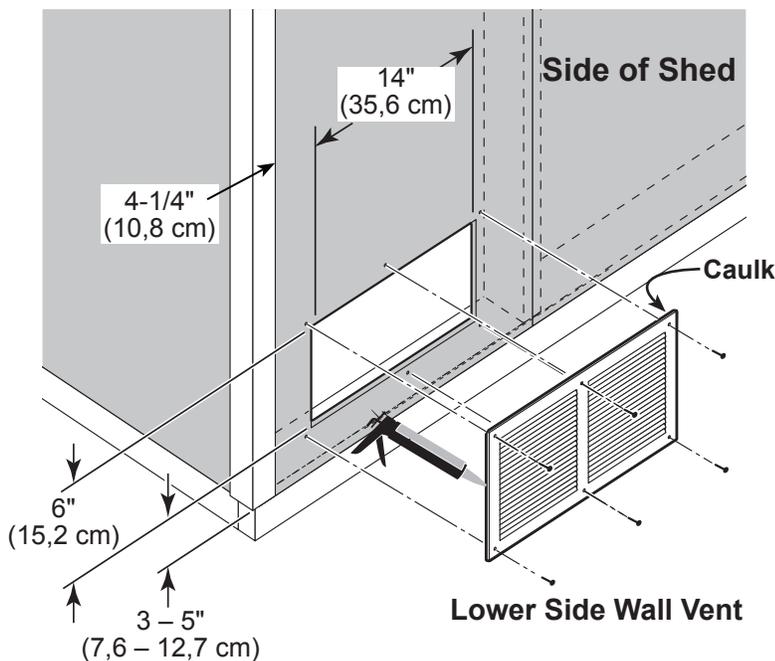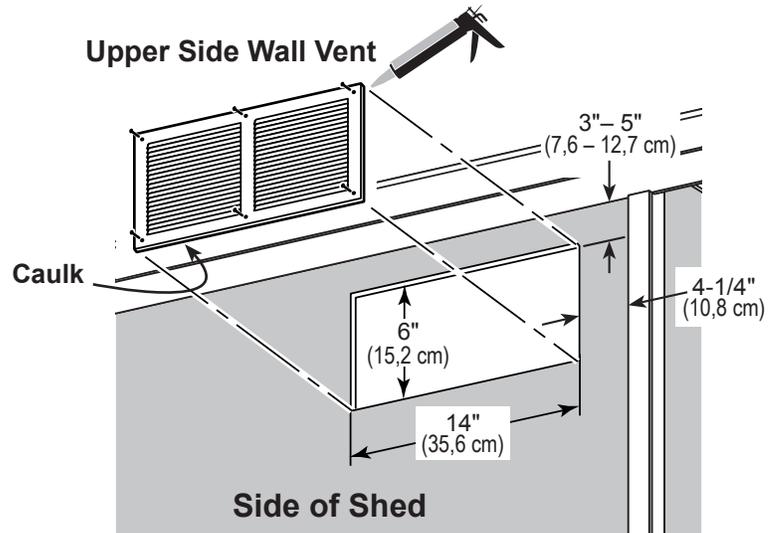
**🏁FINISH**

Your wall vents are now installed.

# PAINT & CAULK
## - NOT INCLUDED -

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

- Use a high quality exterior acrylic latex paint.  When painting your building, there are a few key areas that can be easily overlooked that must be painted:
    - Bottom edge of all siding and trim
    - Inside of doors and all 4 edges

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

# ROOF FELT
## - NOT INCLUDED -

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

OK to overlap at ridge.

**3" OVERLAP**

**Flush**

**Flush**
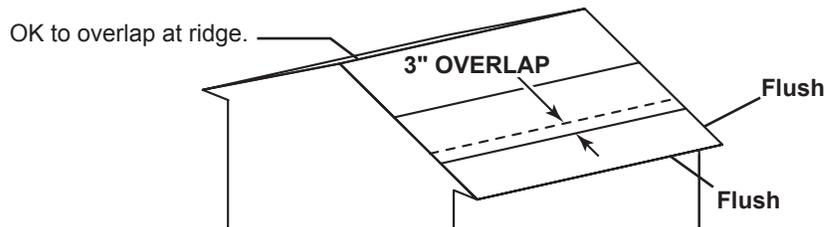
# DRIP EDGE
## - NOT INCLUDED -

- 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.

**Roof Felt**

**Drip Edge**

**Drip Edge**

**Fig. A**

**Edge flush
to trim.**
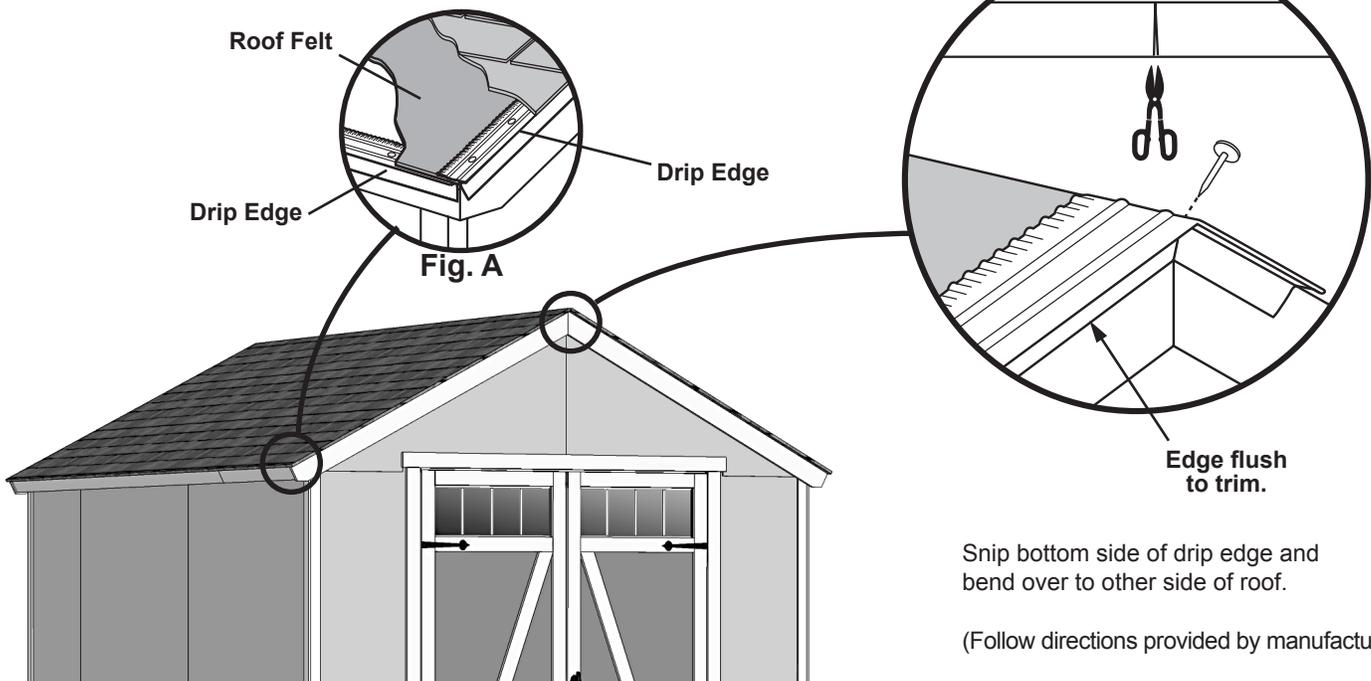
Snip bottom side of drip edge and
bend over to other side of roof.

(Follow directions provided by manufacturer.)

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## *SHINGLES*
### - NOT INCLUDED -

• **Follow directions provided by manufacturer and these instructions.**

---
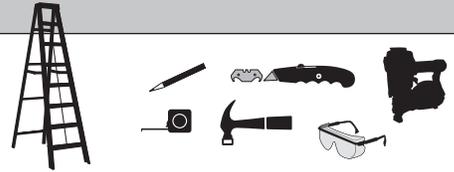
⚠️ **Familiarize yourself with a 3-Tab Shingle.**

Notch                                    Notch

*SHINGLE NAIL PATTERN*

| 1" (2,5 cm) | 1/2" (1,3 cm) | Sealing Strip | 1" (2,5 cm) |

Half A Rain Slot

Full Rain Slot
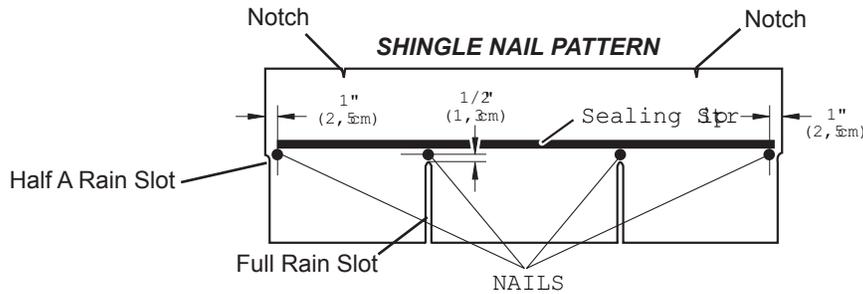
NAILS

⚠️ **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.

**FRONT OF SHED**                                                              **BACK OF SHED**

**(4) Nails**

⚠️ **TABS UP**

**1" (2,5 cm) overhang or flush with drip edge.**

**Shingle overlaps roof decking.**

**1" (2,5 cm) overhang past roof deck.**
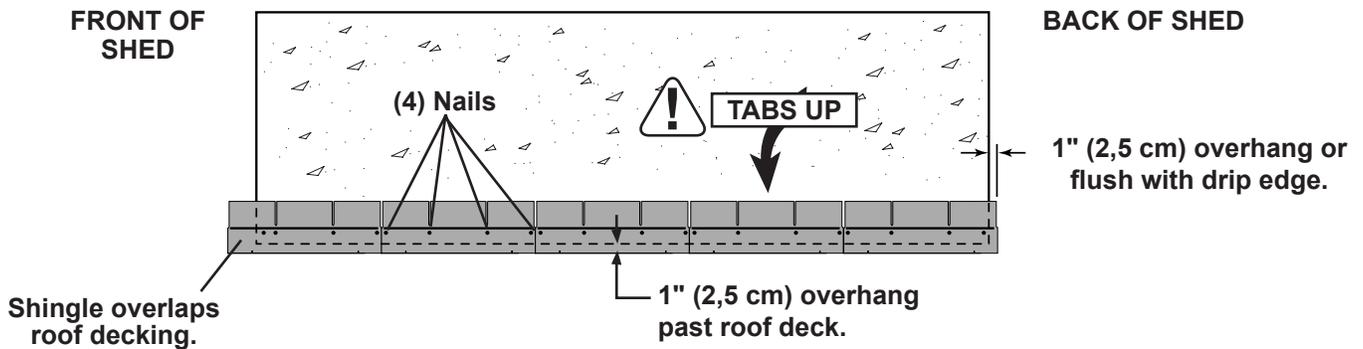
**2**  Beginning at front of shed, install first row of shingles with notch at 1" past roof edge or flush with drip edge.

**FRONT OF SHED**

**Roof Deck**

**BACK OF SHED**

1"
(2,5 cm)

**Notch**

- or -

Flush with starter row.

**Drip Edge**

Flush with starter row.

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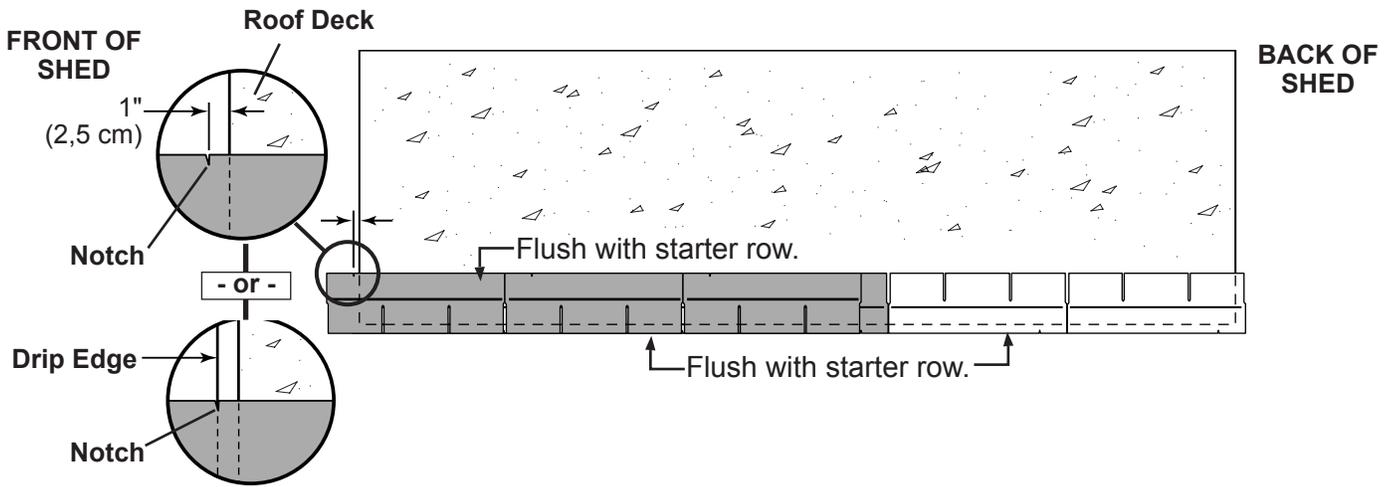
**3**  Install second row of shingles flush at top of first row's rain slots. Ensure 1" overhang or flush to drip edge at front, stagger each row.

**FRONT OF SHED**

**BACK OF SHED**

1"
(2,5 cm)

**Notch**

Flush with rain slots.

Flush with rain slots.
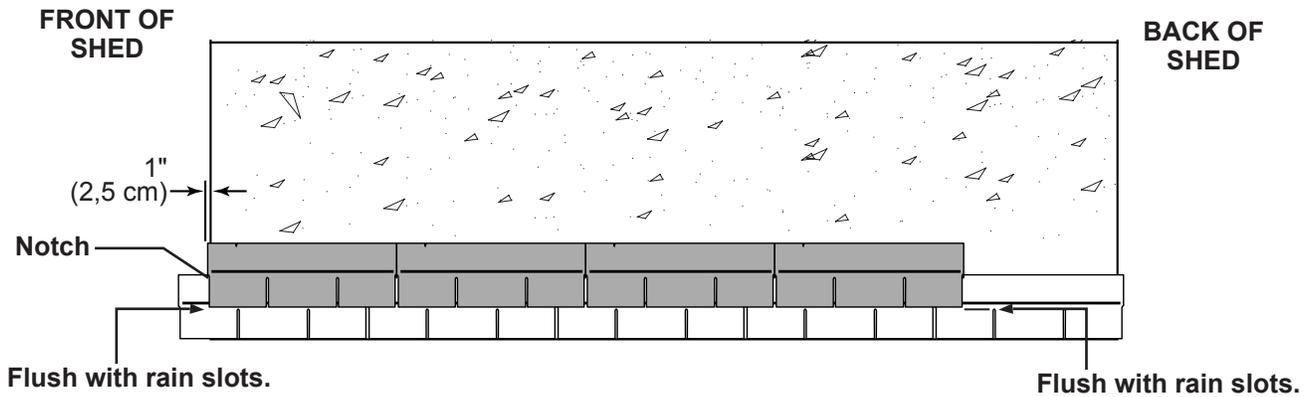
**4**  Continue installing rows of shingles by staggering at front.

1"
(2,5 cm)

**FRONT OF SHED**

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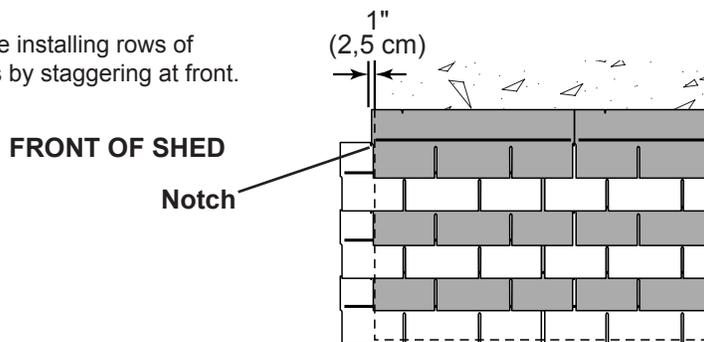
**5** Continue installing rows of shingles to the peak. At the peak make sure there is a maximum of 5" or less to the rain slot, as shown below. If shingles overlap at ridge cut to peak with a utility knife.

5"
(12,7 cm) MAX.

**Cut Off.**

**Top of rain slot.**

**CUT**

5"
(12,7 cm)
or less.
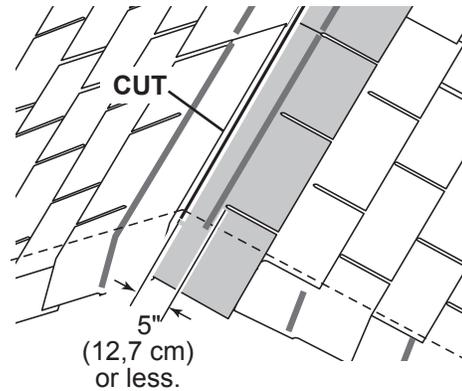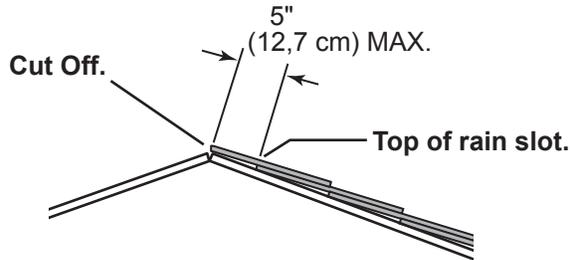
⚠ **• If more than 5" to rain slot you must install another row of shingles.**

**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.
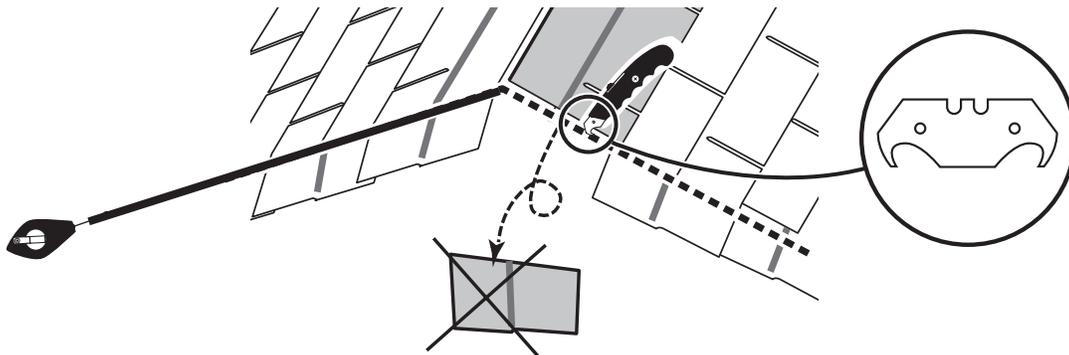
**FINISH**

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.
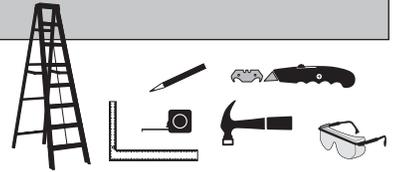
✓**BEGIN**

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

2"
(5 cm)

2"
(5 cm

2"
(5 cm)

2"
(5 cm)

2"
(5 cm)

2"
(5 cm)
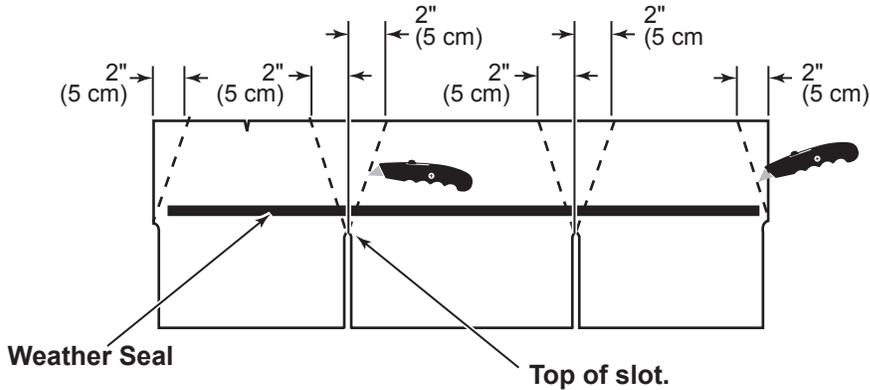
**Score shingle,
then snap-off angled cut.**

**Weather Seal**

**Top of slot.**

**Note:** • You will need about 27 - 29 cut pieces.

**27 to 29
Pieces**

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

**(1) Nail per side through weather seal.**

**Flush**     **FRONT OF
SHED**
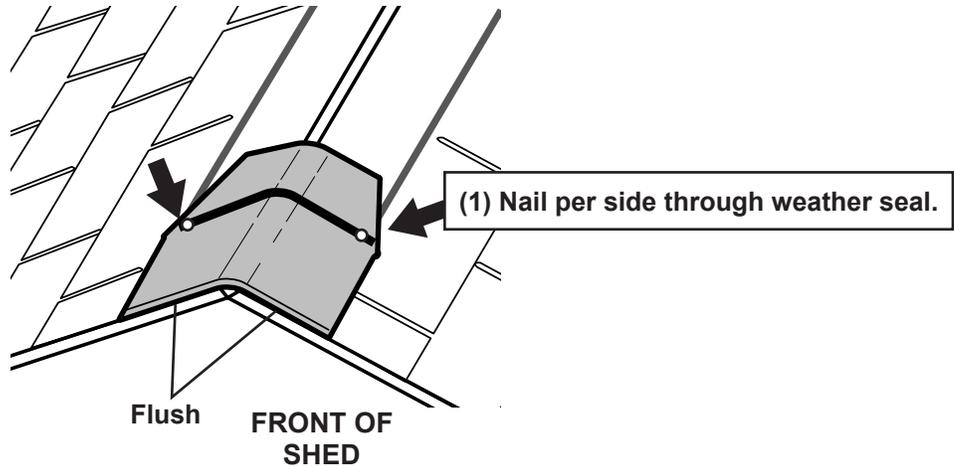
**3** Install second ridge cap 5" back, as shown.

**(1) Nail per side through weather seal.**

5"
12,7 cm

**Flush**

**FRONT OF
SHED**

53
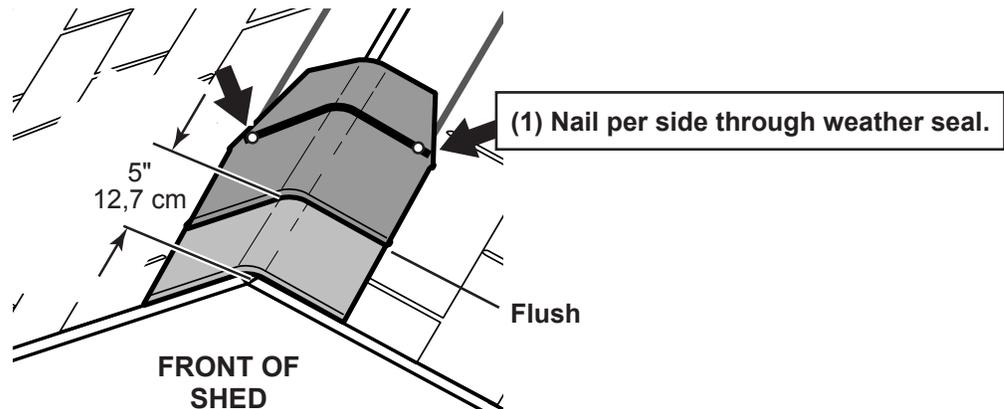
**4** Continue installing ridge cap to back of roof.
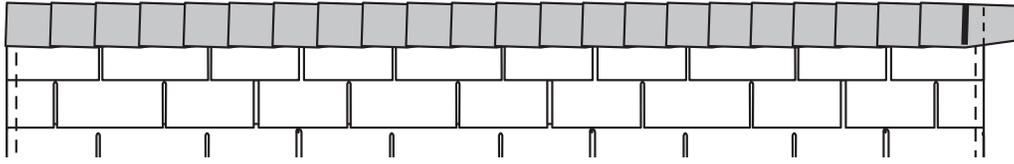
**5** Make sure there is 4" between the shingle-color and edge of shingles.

4"
(10 cm)

**Trim cap off flush to shingles**
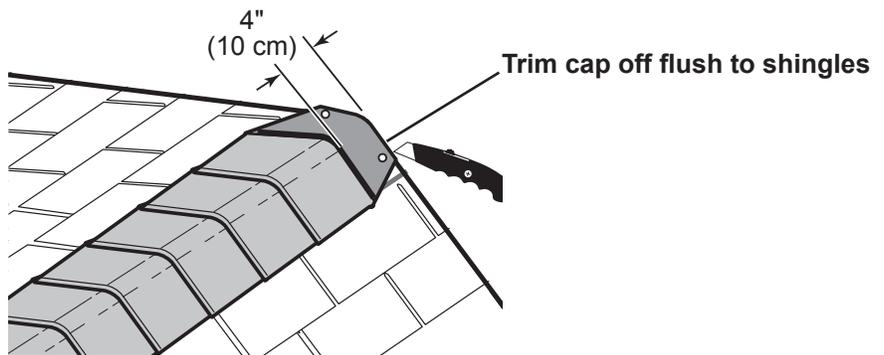
**6** When you have 4" minimum of shingle color cut one piece to cap your roof.

**Cut at top of rain slot.**

**Cap**
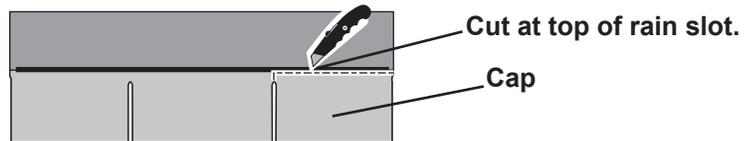
**7** Install flush to shingles.

**Flush to shingles**

**(2) Nails per side.**
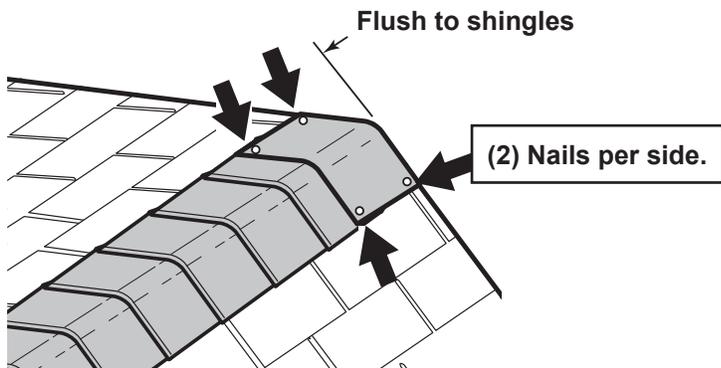
**FINISH**

You have finished your ridge cap.

# 16997  8' x 10' Order Form

| CATEGORY | PART DESCRIPTION | PART SIZE | PART ITEM # | BUILDING QTY. | PART ID |
|---|---|---|---|---|---|
| **2 X 3** | Soffit "A" / Nailer | LUM SPF 2 X 3 X 72 #2&BTR | Q 72000000000 | 3 | OY |
| | Soffit "B" | 2 X 3 X 49 1/2" | Q 49080000000 | 2 | EFC |
| **2 X 4** | Gable Connector - Front | 2 X 4 X 18-1/2" | O 18080000000 | 1 | NCA |
| | Gable Connector - Back | 2 X 4 X 21" PRE-CUT NEED ANGLE | O 21000000000 | 1 | SBA |
| | Rafter | 2 X 4 X 54 1/16" 27.5* RAFTER | O 54012727000 | 12 | WI |
| | Front/Back Wall Plate | *2 X 4 X 89" PLATE | O 89000000000 | 3 | SZ |
| | Sidewall Plate "A" | LUM SPF 2X4X96 #2&BTR | 12306 | 4 | TP |
| | Sidewall Plate "B" | 2 X 4 X 24" DOUBLER / PLATE | O 24000000000 | 4 | RL |
| | Frontwall Bottom Plate | 2 X 4 X 16-1/2" | O 16080000000 | 2 | RD |
| | Wall Stud | 2 X 4 X 68" STUD | O 68000000000 | 21 | UM |
| **1 X 3 PINE** | Gauge Block | 1 X 3 X 5" PINE FILLER | U 05000000000 | 1 | GAA |
| **7/16 OSB** | Roof Panel "A" | OSB 7/16" x 4' x 8' | 11110 | 2 | --- |
| | Roof Panel "B" | 7/16" OSB 9-3/4" X 96" ROOF PANEL | C 96000912000 | 2 | --- |
| | Roof Panel "C" | 7/16" OSB 23 7/8" X 48" ROOF & | C 48002314000 | 2 | --- |
| | Roof Panel "D" | 7/16" OSB 9-3/4" X 23 7/8" ROOF | C 23140912000 | 2 | --- |
| **GUSSETS** | Gusset | EZ 8" 6" X 24" GUSSET 28*- | J 24000600280 | 10 | --- |
| **NO GROOVE SIDING** | Frontwall Panel | 3/8" NG 19-7/8" X 72" | K 72001914000 | 2 | --- |
| | Wall Panel | SIDING NGSE 3/8X4'X6' | 11509 | 6 | --- |
| | Sidewall Panel | 3/8"NG 23 7/8" X72"PANEL OR | K 72002314000 | 2 | --- |
| | Right Front Gable Panel | *3/8" NG x 27" x 48" RIGHT GABLE PANEL | K 480027001 0F | 1 | --- |
| | Left Front Gable Panel | *3/8" NG x 27" x 48" LEFT GABLE PANEL | K 480027002 0F | 1 | --- |
| | Right Back Gable Panel | 3/8" NG 27" X 48" RGT BCK GABLE PANEL | K 48002700100 | 1 | --- |
| | Left Back Gable Panel | 3/8" NG 27" X 48" LEFT BCK GABLE PANEL | K 48002700200 | 1 | --- |
| | Corner Trim | 3/8" NG 1 3/4" X 71 1/2" | K 71080112000 | 8 | --- |
| **19/32 X 3 SMART TRIM** | Horizontal Door Rail | 19/32 TST 2 1/2" X 22 5/8" | UT22100208000 | 2 | FA |
| | Over Door Trim | 19/32 TST 2 1/2" X 63" | UT63000208000 | 1 | WR |
| | Right Crossbuck | 19/32 TST 2 1/2" X 59" 20* L/S RIGHT | UT59000208120 | 1 | ACR |
| | Left Crossbuck | 19/32 TST 2 1/2" X 59" 20* L/S LEFT | UT59000208220 | 1 | ACL |
| | Eave Trim "A" | 19/32 TST 2 1/2" X 93" | UT93000208000 | 2 | DKB |
| | Eave Trim "B" | 19/32 TST 2 1/2" X 28 1/2" | UT28080208000 | 2 | ROR |
| **19/32 X 4 SMART TRIM** | Right Gable Trim | 19/32 TST 3 1/2" X 58-7/8" 27.5* O/E RIGHT GABLE TRIM | UT58140308127 | 2 | BSR |
| | Left Gable Trim | 19/32 TST 3 1/2" X 58-7/8" 27.5* O/E LEFT GABLE TRIM | UT58140308227 | 2 | BSL |
| **PURCHASED COMPONENTS** | Black T&D Handle | HANDLE - T 5-1/2" SHAFT & "D" | 15375 | 1 | --- |
| | Faux Hinges | HINGE (FAUX) w/ SCREWS (4 HING | 15246 | 1 | --- |
| | Threshold | THRESHOLD 7/8" X 1-1/2" X 55-7/8 | 15419 | 1 | --- |
| | Transom Window | WINDOW 9X25 TRANSOM (SINGLE) 2 | 15437 | 2 | --- |
| | Door Stiffener | LSL 1-1/4 X 2-1/4 X 69 PET | 12715 | 2 | OO |
| | Barn Vent | VENT 16" X 8" EXTERIOR (WHITE) | 15002 | 2 | --- |
| | Nails | NAIL 10D 3" BOX HDG BOX | 15109 | 2 | --- |
| | Nails | NAIL 6D 2" BOX HDG BOX | 15105 | 3 | --- |
| | Hardware Kit | H/K (33029) 8x10 MIDTOWN - DIY | 15954 | 1 | --- |
| **PACKAGING** | Instructions | | 16997 | 1 | --- |
| **Right Door Assembly** | **30185-R** | | | | |
| | Door Panel | 3/8" NG 27-3/8" X 71-1/2" DOOR | K 7108270600W | 1 | --- |
| | Right Hinge Assembly | HINGE RIGHT (RED) 19/32x3 THIN TRIM | 30121-TT | 1 | --- |
| | Vertical Door Stiles | 19/32 TST 2 1/2" X 71 5/8" | UT71100208000 | 1 | GY |
| | Horizontal Door Rails | 19/32 TST 2 1/2" X 22 5/8" | UT22100208000 | 2 | FA |
| **Left Door Assembly** | **30185-L** | | | | |
| | Door Panel | 3/8" NG 27-3/8" X 71-1/2" DOOR | K 7108270600W | 1 | --- |
| | Left Hinge Assembly | HINGE LEFT (GREEN) 19/32x3 THIN TRIM | 30131-TT | 1 | --- |
| | Vertical Door Stiles | 19/32 TST 2 1/2" X 71 5/8" | UT71100208000 | 1 | GY |
| | Horizontal Door Rails | 19/32 TST 2 1/2" X 22 5/8" | UT22100208000 | 2 | FA |

**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

<div align="center">

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

</div>

10Y MV LDR:  3/20/2019