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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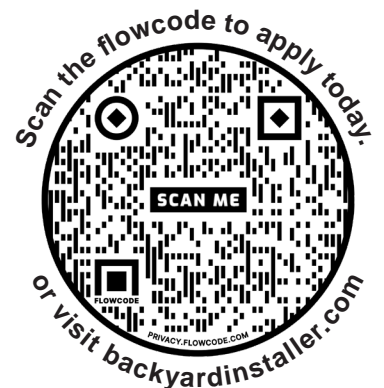AND MAKE UP TO $1,500/WEEK*

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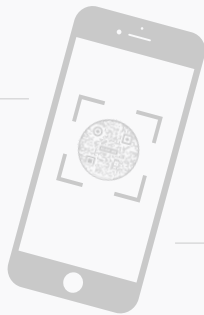
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1
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QR code above.

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Click
'write a review'

3
Find your product.
Tell us what you think.

4
Submit your review.
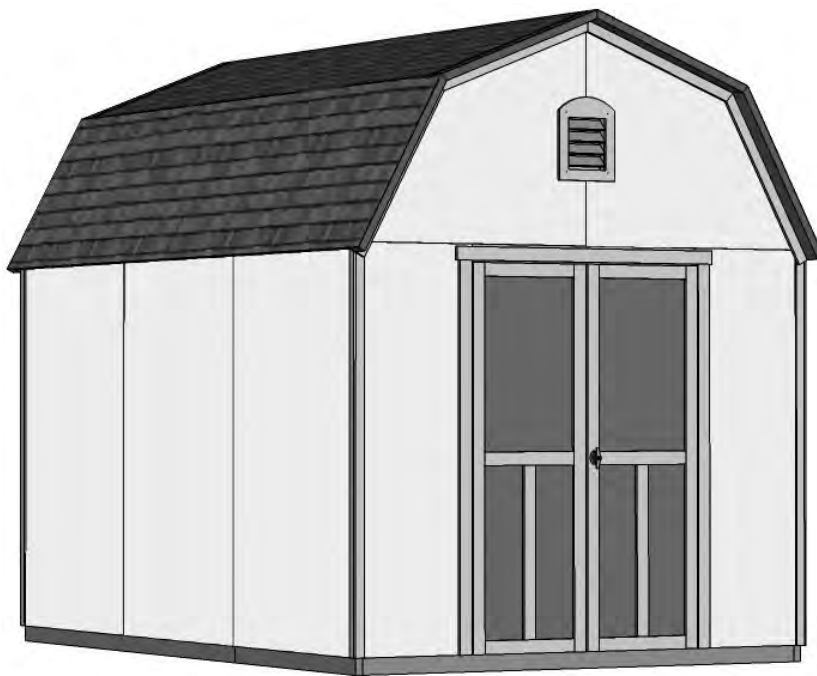You'll be notified by e-mail if
you've won the $500 gift card.

Backyard PRODUCTS

ASSEMBLY MANUAL
12' x 8' Gambrel
(365,8 x 243,8 cm)

KEEP THIS MANUAL FOR FUTURE REFERENCE

OPTIONAL:
DOOR LOCATED
ON EAVE WALL

Building 12' x 8'
(365,8 x 243,8 cm)

⚠ *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 7.
- **CHECK ALL PARTS**
  Inventory all parts listed on pages 4-6.
- **ADDITIONAL MATERIALS**
  You will need additional materials to complete your shed. See page 3 for required and optional materials and quantities.

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

Call: 1-877-743-3400 email: customerservice@backyardproductsllc.com

TOOLS

Required		Optional

❏ Phillips
   Screwdriver

❏ Drill / Driver
   ❏ 3/8" Drill Bit
   ❏ #2 Philips Drive Bit

❏ Hammer

❏ Pencil

❏ Tape Measure

❏ Square   or

❏ Level

❏ Chalk Line

❏ Utility Knife
   ❏ Shingle Blades

❏ Caulk Gun

❏ Ladder

❏ Paint Tools

❏ Tool Belt/
   Nail Pouch

❏ Safety Glasses

❏ Nail Gun
  • Gun Nails

❏ Gloves

❏ Clamps

Safety! Always use approved safety glasses during assembly.

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

= Assistance Required; or more people.

= Ensure squareness.

= Important required step or operation.

= Helpful assembly hint.

= Mark part with pencil.

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

FINISH = You have finished the assembly or installation.

= Level

ORIENT LUMBER AND TRIM FOR BEST APPEARANCE

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

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

A

B

C
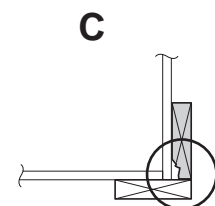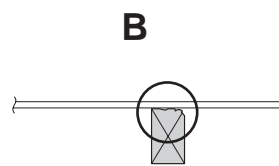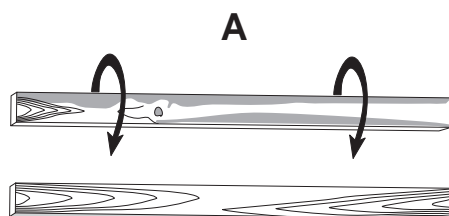
ADDITIONAL MATERIALS

FOUNDATION OR FLOOR MATERIALS

- **If your shed was purchased with a floor, see floor kit hardware bag for assembly instructions.**
- **See the FLOOR LEVELING section on page 7 for recommended methods and suggested materials to properly level your floor, as this will vary depending on your specific site.**

REINFORCED WOOD FLOOR FRAME (OPTIONAL)

IMPORTANT! Depending on your specific use, you may want to construct a heavy duty floor frame by adding additional floor joists (shown below as shaded). Below is a list of additional materials (not included).
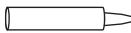
☐ **x3** 2 x 4 x 8' (5,1 x 10,2 x 243,8 cm) Treated Lumber
Cut lumber to 2 x 4 x 93" (5,1 x 10,2 x 236,2 cm)
Treated Lumber

☐ **x12** ea. 3" (7,6 cm) hot-dipped galvanized nails
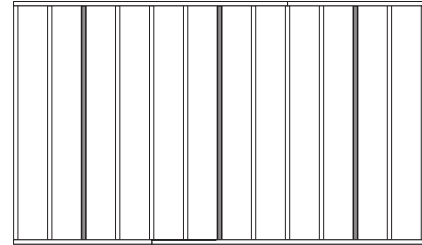
Optional 12" (30,5 cm) spacing

COMPLETING YOUR SHED
You will need these additional materials:

☐ **3-TAB SHINGLES**..6 Bundles

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

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

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

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

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

☐ **#15 ROOFING FELT**
To cover 176 Sq. Ft. of roof area.

⚠ TO VALIDATE YOUR WARRANTY YOU MUST USE THE FOLLOWING: ⚠

☐ **DRIP EDGE** .... 60 Feet
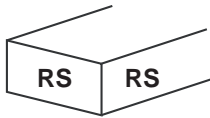
☐ **CAULK** .... 1 Tube
For windows use acrylic latex exterior caulk that is paintable.

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

PARTS IDENTIFICATION AND SIZES

Part identification is stamped on some parts.

RS   RS

• Check these locations for Part stamps

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" (1,9 x 6,3 cm)

PARTS LIST

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

3/4"
(1,9 cm)

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.**
- **x4** CWA 2 x 4 x 13" (5,1 x 10,2 x 33 cm)
- **x2** SP 2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)
- **x1** 7/16 x 3-1/4 x 50-3/4" (1,1 x 8,3 x 128,9 cm) *OSB*
- **x2** TCA 2 x 4 x 51" (5,1 x 10,2 x 1129,5 cm)
- **x2** YFA 2 x 4 x 68-1/2" (5,1 x 10,2 x 174 cm)
- **x25** TM 2 x 4 x 72" (5,1 x 10,2 x 182,9 cm)
- **x4** SZ 2 x 4 x 89" (5,1 x 10,2 x 226,1 cm)
- **x2** TP 2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)
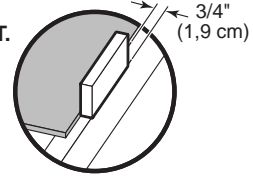
TRUSS

- **x12** GUSSET
- **x2** WO 1 x 4 x 72" (2,5 x 10,2 x 182,9 cm)
- **x14** Pre-assembled

TRIM

- **x4** OOL 19/32" x 3-1/2" x 31-1/2" (5,1 x 8,9 x 80 cm)
- **x4** OOR 19/32" x 3-1/2" x 31-1/2" (5,1 x 8,9 x 80 cm)
- **x4** TPB 2 x 4 x 31-1/2" (5,1 x 10,2 x 80,0 cm)
- **x4** MLP 19/32" x 3-1/2" x 40-13/16" (5,1 x 8,9 x 103,7 cm)
- **x4** TAA 2 x 4 x 40-13/16" (5,1 x 10,2 x 103,7 cm)
- **x1** ZB 19/32" x 2-1/2 x 55" (1,5 x 6,3 x 139,7 cm)
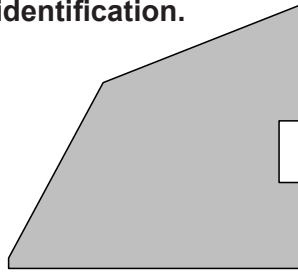- **x8** 3/8 x 1-3/4 x 75-1/4" (1 x 4,4 x 191,1 cm)

DOOR

- **x2** EGB 19/32" x 2-1/2 x 18-5/8" (1,5 x 6,3 x 47,3 cm)
- **x2** UWA 19/32" x 2-1/2 x 32" (1,5 x 7,6 x 76,5 cm)
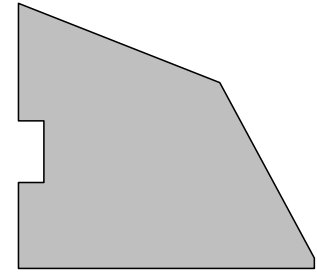- **x2** OO 69" Door Stiffener (175,3 cm)

WALL PANEL & DOOR PARTS LIST

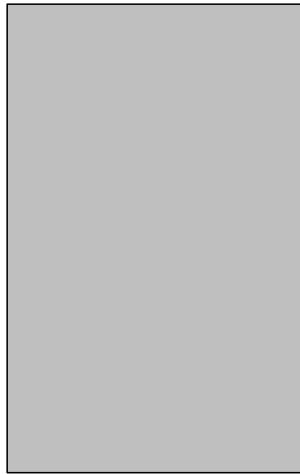**NOTE: Panel parts are not stamped with part identification.**

☐ **x1**
3/8 x 3-7/8 x 48"
(1 x 9,8 x 121,9 cm)
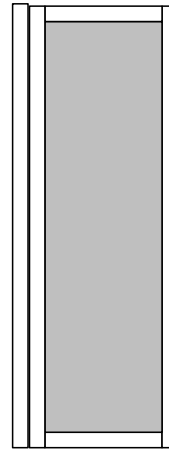
☐ **x2**
3/8 x 48 x 43"
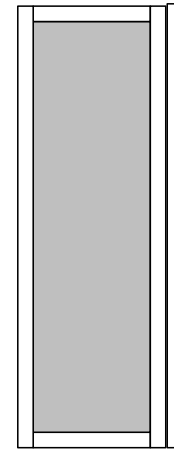(1 x 121,9 x 109,2 cm)

☐ **x2**
3/8 x 48 x 43"
(1 x 121,9 x 109,2 cm)

☐ **x8**
3/8 x 48 x 76"
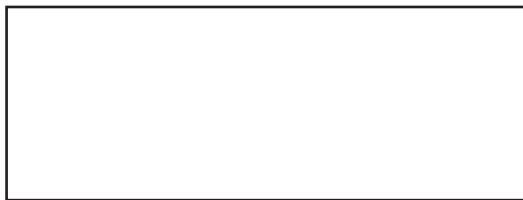(1 x 121,9 x 193 cm)

☐ **x8**
3/8 x 23-7/8 x 76"
(1 x 60,6 x 193 cm)
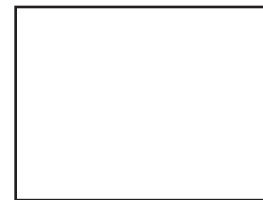
☐ **x1**
LEFT DOOR

☐ **x1**
RIGHT DOOR

ROOF PANELS

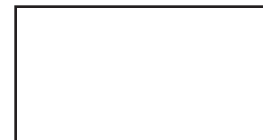**NOTE: Roof Panels are 7/16" (1,1 cm) thick**

☐ **x2** 40-7/16 x 96"
(102,7 x 243,8 cm)

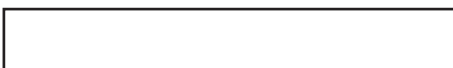☐ **x2** 40-7/16 x 48"
(102,7 x 121,9 cm)

☐ **x2** 23-7/8 x 96"
(60,6 x 243,8 cm)
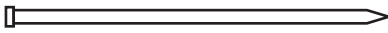
☐ **x2** 23-7/8 x 48"
(60,6 x 121,9 cm)
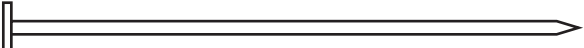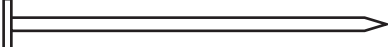
☐ **x4** 7-7/16 x 72-3/4"
(18,9 x 83,2 cm)

FASTENER / HARDWARE BAG
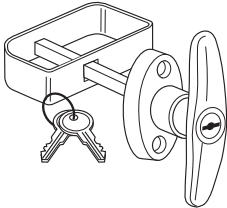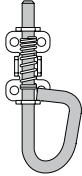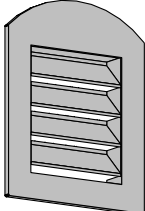
☐ **x 72** ————→ 1-1/2" (3,8 cm)

☐ **x 153** ————→ 2" (5,0 cm)

☐ **x 51** ————————→ 3" (7,6 cm)

☐ **x 22** ————→ 2" (5,0 cm)

☐ **x 78** ———→ 1-1/4" (3,2)

☐ **x 12** —→ 1/2" (1,3 cm)

☐ **x 60** —→ 3/4" (1,9 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

☐ **x2** BOXES ————————→ 3" (7,6 cm)

☐ **x4** BOXES ————→ 2" (5,1 cm)

ACCESSORIES & DOOR HARDWARE

T-HANDLE

☐ **x1**

☐ **x2** ———→ 1-1/2" (3,8 cm)

☐ **x2**

☐ **x8** —→ 3/4" (1,9 cm)

☐ **x2**

PREFERRED METHOD - 4x4 TREATED RUNNERS

• 3" Screws angled into 4x4.

• (2) at each point frame and 4x4 touch.

Measurements to centers of 4x4's.

12" (30,5 cm)

DOOR

12" (30,5 cm)
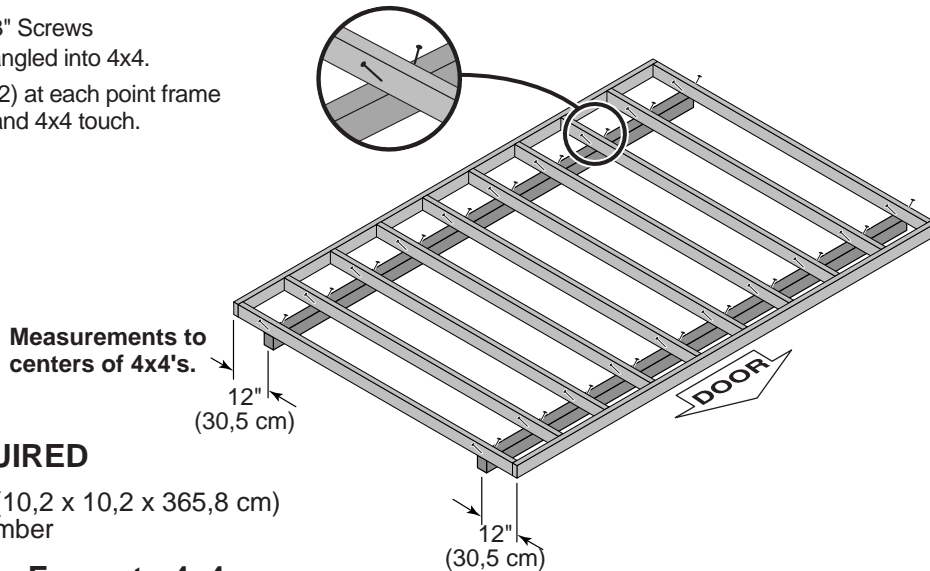
MATERIAL REQUIRED

☐ **x2** 4 x 4 x 12' (10,2 x 10,2 x 365,8 cm) Treated Lumber

☐ **Fasteners for Frame to 4x4.**
(3" screws shown as one option.) Minimum (40) 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.

12" (30,5 cm)

48" (121,9 cm)

Shingle

Level

4x4 Runner

12" (30,5 cm)

Shingle

⚠ Do not exceed 16" (40,3 cm).

Gravel   2" Block   Gravel   4" Block   2x4 Treated Lumber   8" Block   8" Block   8" Block
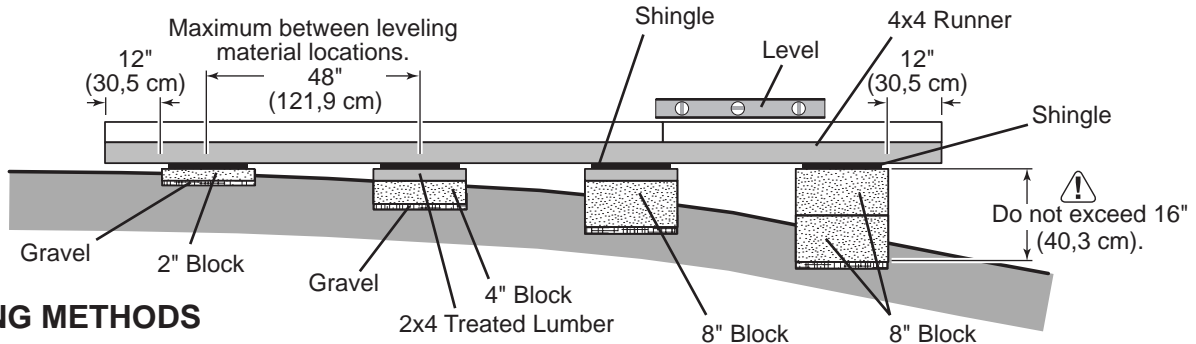
LEVELING METHODS

- • Level under 4x4 runners only.
- • Locate leveling material 12" (30,5 cm) from ends of runners and no more than 48" (121,9 cm) 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" (40,3 cm) not recommended.**

CONCRETE

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

7

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

Treated Sill Plate

Caulk between sill plate and concrete.

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

C B

A

4" (10,2 cm)

DOOR
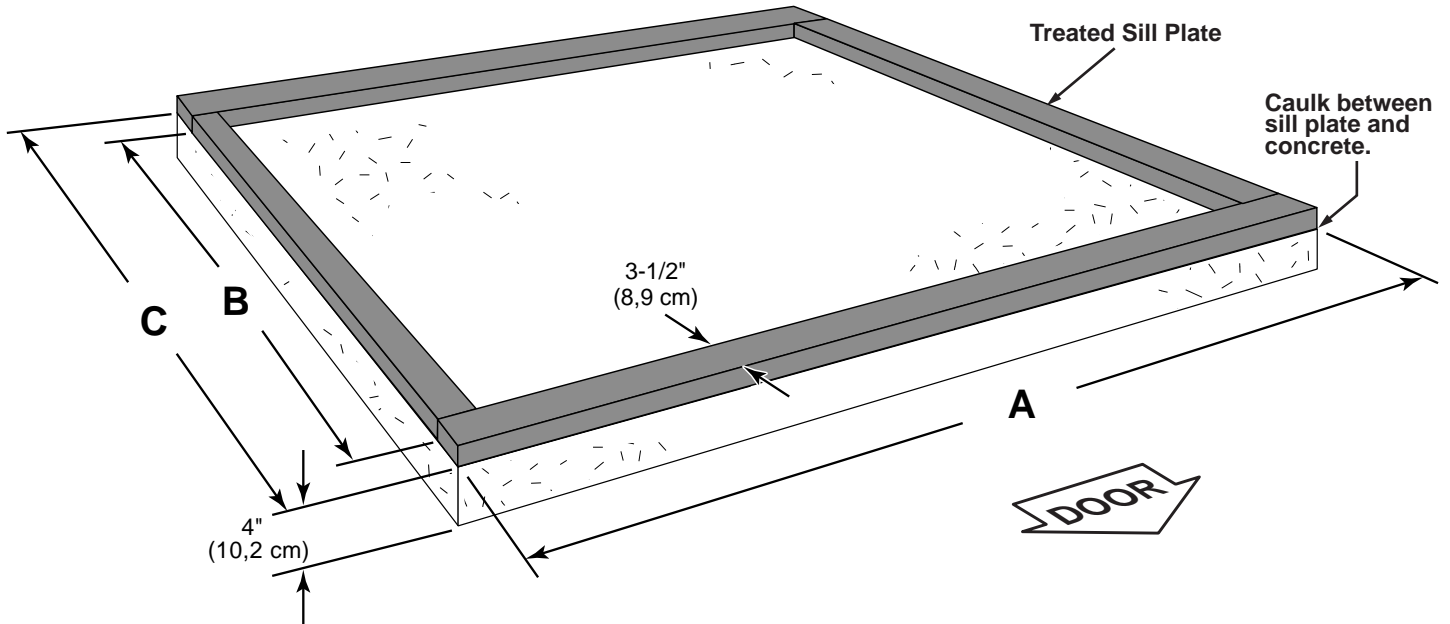
Building Size	Actual Size	A	B	C
12' x 8' (365,8 x 243,8 cm)	144" x 96" (365,8 x 243,8 cm)	144 " (365,8 cm)	89" (226,1 cm)	96" (243,8 cm)

Requires:

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

☐ **x2** 2 x 4 x 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: Purchase full length treated lumber.

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

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

• Check local code for concrete foundation requirements.

NOTES

_____

_____

_____

_____

_____

_____

_____

_____

FLOOR FRAME

| **STOP!** | ⚠ **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. | **STOP!** |

✓**BEGIN**

1 ⚠ See page 7 for the preferred floor leveling method.

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

3 Check for frame squareness by measuring diagonally across corners. If the measurements are the same, the frame is square. The diagonal measurement will be approximately 173-1/16" (439,6 cm).

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

Second, secure at ends using one fastener.

First, secure at ends using one fastener.

173-1/16" (439,6 cm)

173-1/16" (439,6 cm)
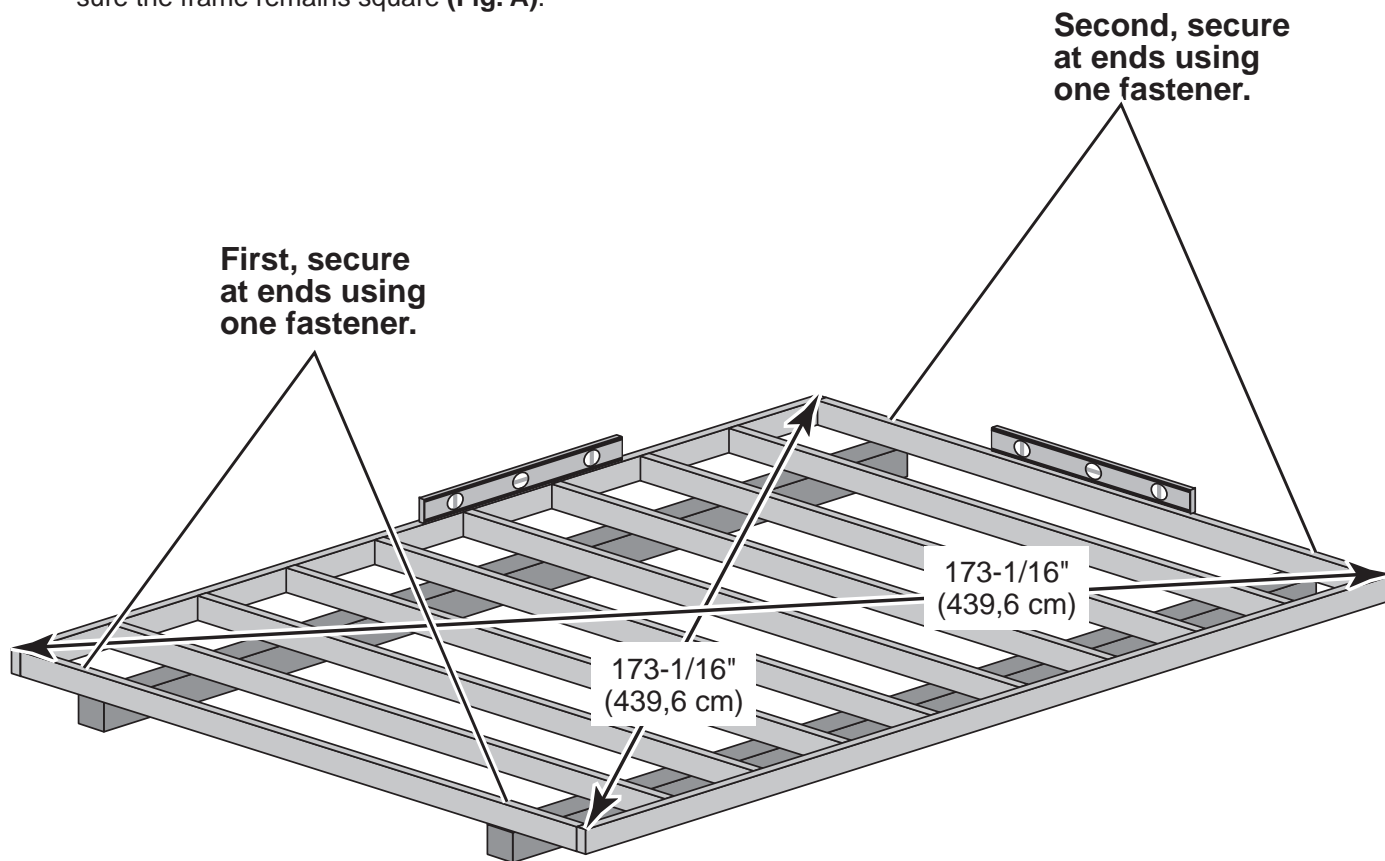
Fig. A

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

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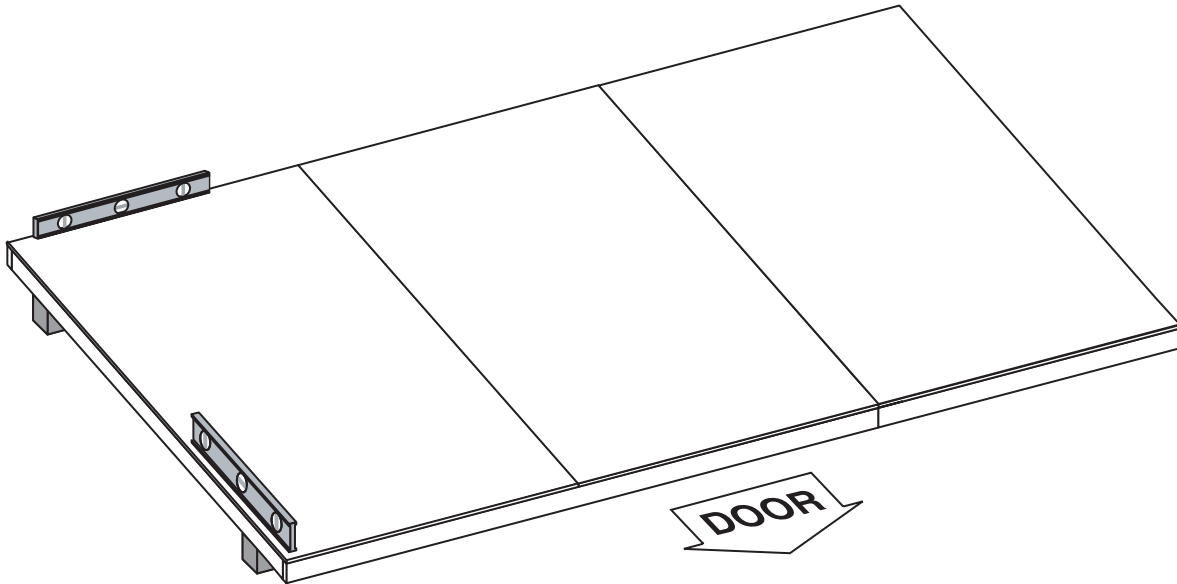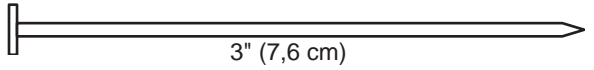
DOOR

HINT:
- **The floor should be used as a level work surface for wall construction.**
- **Organize your wall sections during sub-assembly to avoid over-handling of the walls.**

Gable Wall

Eave Wall

Eave Wall

Eave Wall

Gable Wall

*Door on
Eave Wall
- Optional -*
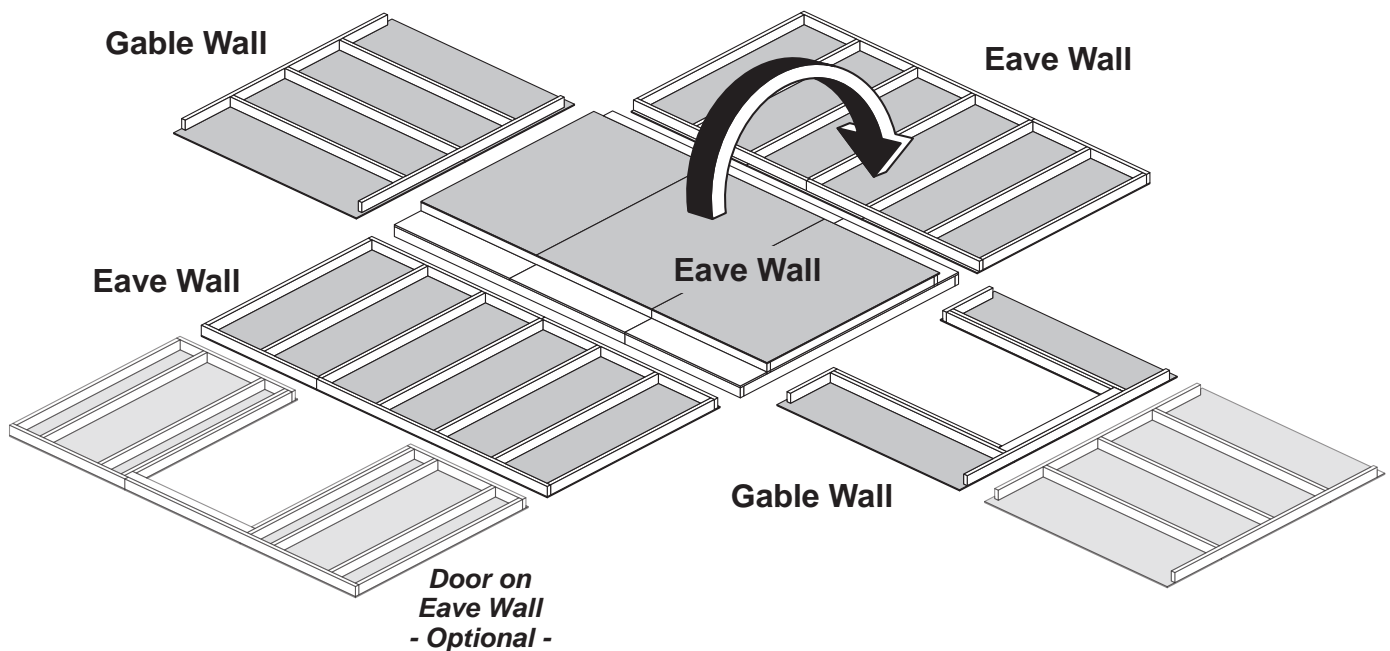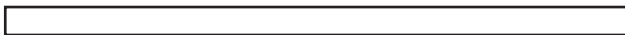
DOOR HEADER

PARTS REQUIRED:

x2 TCA
2 x 4 x 51" (5,1 x 10,2 x 128,9 cm)

x1
7/16 x 3-1/4 x 50-3/4" (1,1 x 8,3 x 170,2 cm)   *OSB*

x18 3" (7,6 cm)
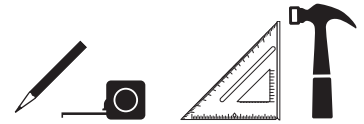
✓**BEGIN**

1 Stack **TCA** and *OSB* as shown.

Nail using 3" nails in the pattern shown.

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

ASSEMBLED END VIEW

TCA

Flush

Flush

OSB

TCA
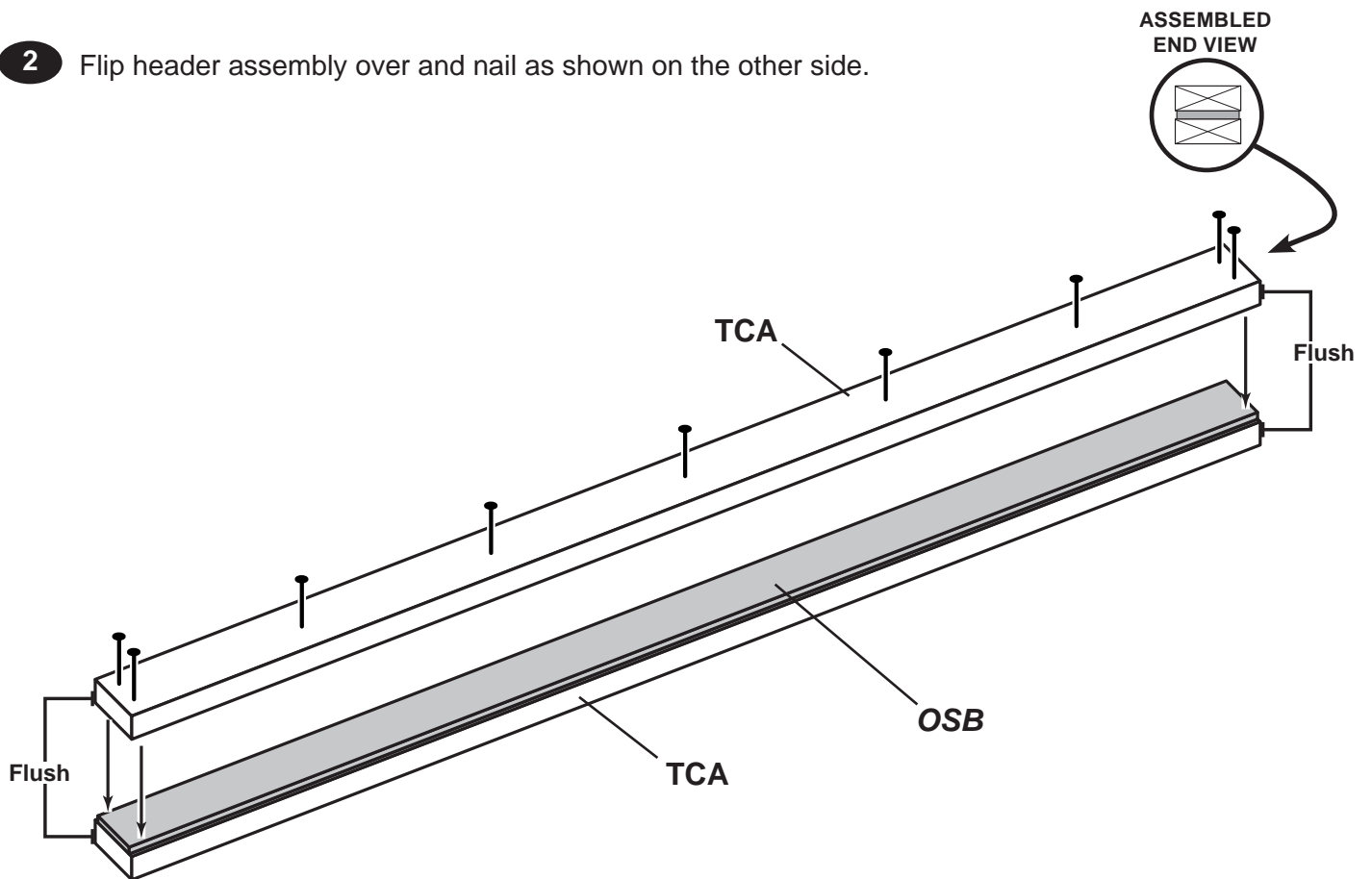
🏁**FINISH**

Your door header is now assembled.

**CHOOSE YOUR DOOR LOCATION AT THIS TIME
AS YOU WILL ASSEMBLE YOUR DOOR WALL FIRST.**
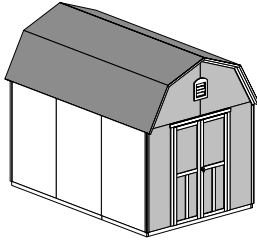
OPTIONAL:
DOOR LOCATED
ON 8' GABLE WALL

8' GABLE WALL WITH DOOR:

⚠ **IF YOU CHOOSE THE GABLE WALL FOR DOOR LOCATION
GO TO Page 13 TO BEGIN BUILDING YOUR WALLS.**
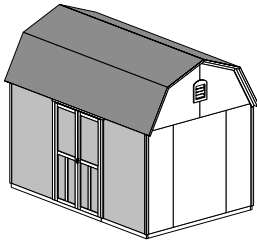
OPTIONAL:
DOOR LOCATED
ON 12' EAVE WALL

12' EAVE WALL WITH DOOR:
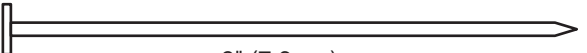
⚠ **IF YOU CHOOSE THE EAVE WALL FOR DOOR LOCATION
GO TO Page 15 TO BEGIN BUILDING YOUR WALLS.**

8' WALL WITH DOOR

PARTS REQUIRED:

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

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

x2 | SZ
2 x 4 x 89" (5 x 10,2 x 226,1 cm)
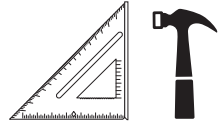
Pre Assembled Header
x1

x53
3" (7,6 cm)

✓**BEGIN**
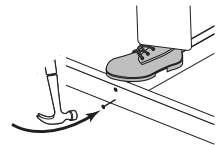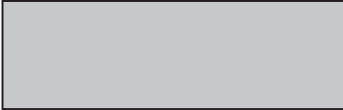
1 Orient parts on edge on floor. Measure and mark.
Use (2) 3" nails at each mark.

HINT:
For easier nailing
stand on frame.

89"
(226,1 cm)

70 3/4"
(179,7 cm)

18 1/4"
(46,4 cm)

SZ

Pre-Assembled Header

Install Header in
this position

TM

TM

YFA

YFA

75"
(190,5 cm)

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

SZ

18 1/4"
(46,4 cm)

18 1/4"
(46,4 cm)
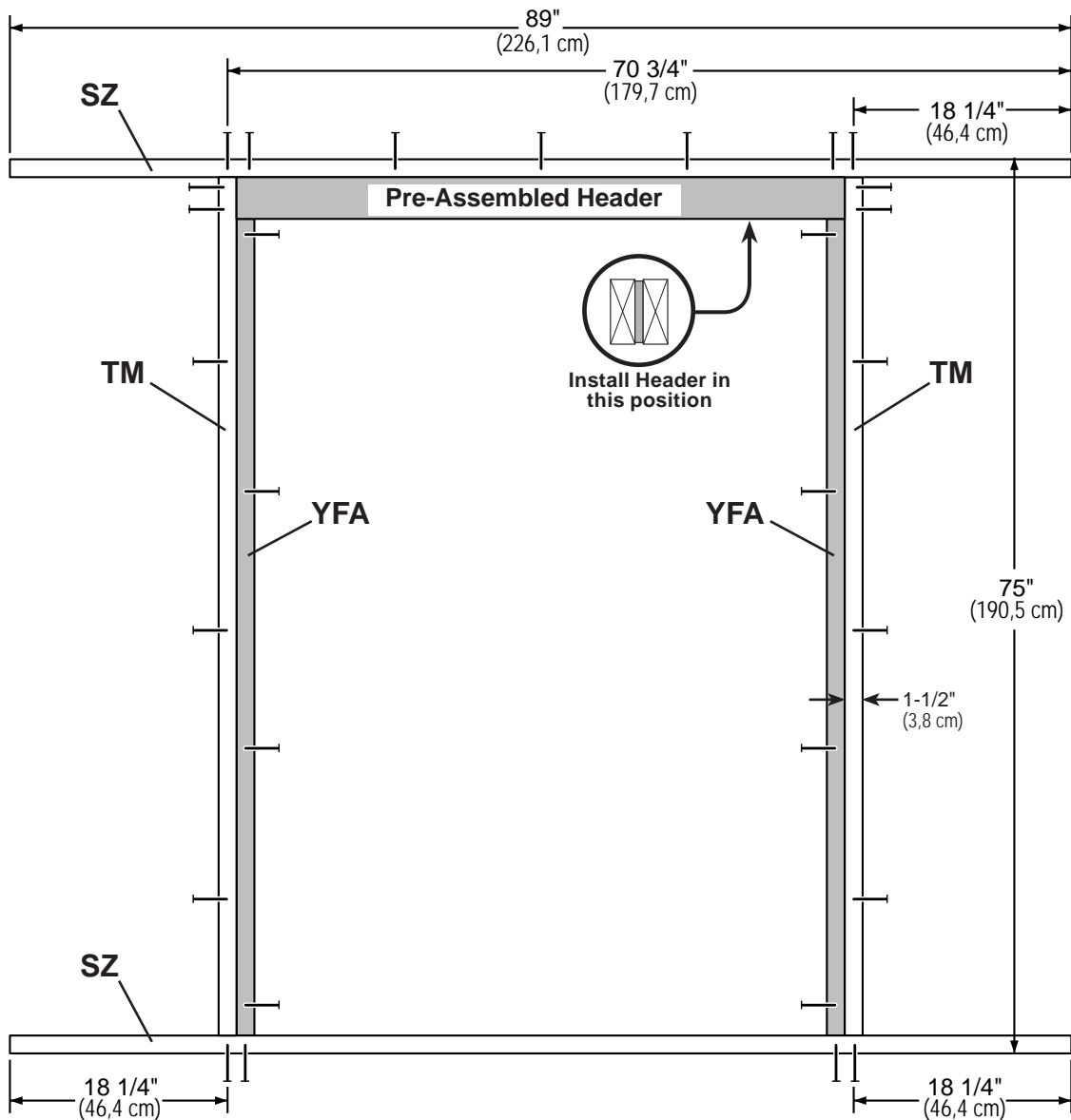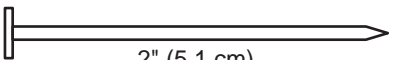
PARTS REQUIRED:

x1
3/8 x 3-7/8 x 48"
(1 x 9,8 x 121,9 cm)

x2
3/8 x 23-7/8 x 76"
(1 x 60,6 x 193 cm)

x56
2" (5,1 cm)

2 Place both **23-7/8" x 76"** panels and **3-7/8" x 48"** panel onto wall frame, primed side up, flush to top of **SZ** and flush to door studs as shown.

There will be an approximate 3-1/2" overlap on either end of the wall.

Secure panels using 2" nails 6" apart.

Flush

Flush

23-7/8"
(8,9 cm)

48"
(8,9 cm)

23-7/8"
(8,9 cm)

Flush

Flush

6"
(15,2 cm)

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

Flush

Flush

**Primed
side UP**
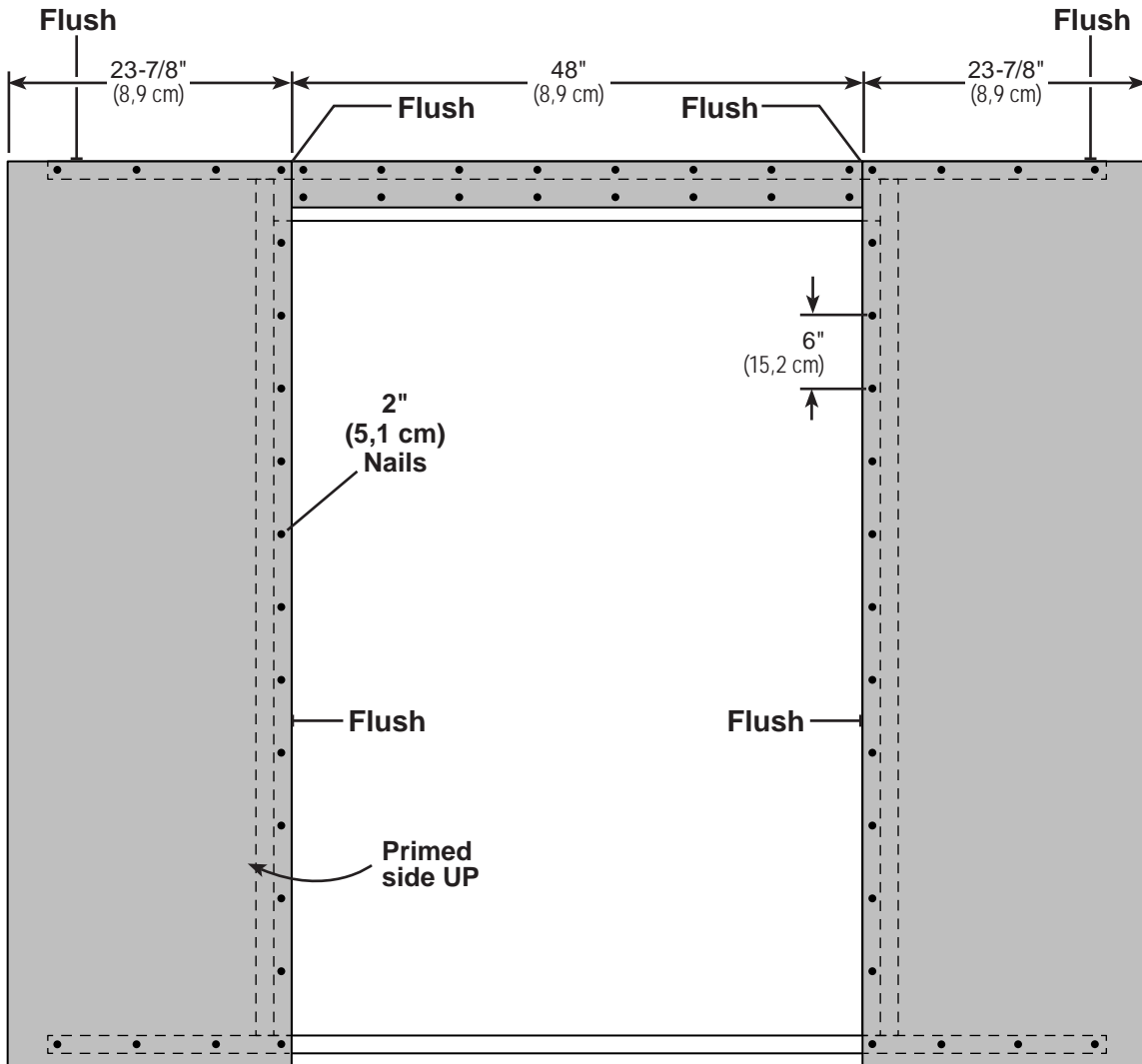
Carefully flip Front Wall over.

FINISH

Your 8' wall with door is now assembled.
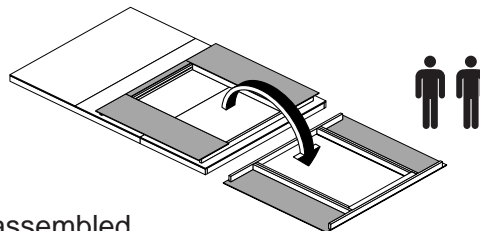
⚠ Go to page 17 to continue assembly.

14

12' WALL WITH DOOR

PARTS REQUIRED:

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

x10 | TM
2 x 4 x 72" (5,1 x 10,2 x 182,9 cm)

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

x1 | TP
2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)
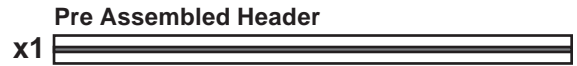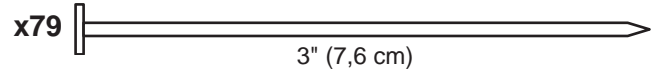
x79 ———— 3" (7,6 cm)

Pre Assembled Header
x1

✓ **BEGIN**

1 Orient parts on edge on floor as shown. Measure and mark.

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

HINT:
For easier nailing
stand on frame.

144"
(365,8 cm)

132"
(335,3 cm)

108"
(274,3 cm)

98 1/4"
(249,6 cm)

48"
(121,9 cm)

96"
(243,8 cm)

45 3/4"
(116,2 cm)

36"
(91,4 cm)

12"
(30,5 cm)

SP

TP

Flush

Flush

3" (7,6 cm)
Nails

Install Header in
this position

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

TM x8

YFA

YFA

72"
(182,9 cm)

TM

TM

Flush

Flush

72"
(182,9 cm)

72"
(182,9 cm)

15
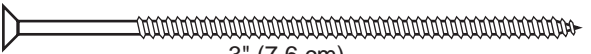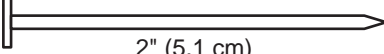
12' WALL WITH DOOR

PARTS REQUIRED:

x1
3/8 x 3-7/8 x 48"
(1 x 9,8 x 121,9 cm)

x2
3/8 x 48 x 76"
(1 x 121,9 x 193 cm)

x2
3" (7,6 cm)

x120
2" (5,1 cm)

2 Place both **48" x 76"** panels and **3-7/8" x 48"** panel primed side up and flush to top and sides of frame.
Secure panels using 2" nails 6" apart.

3 Maintain a 48" opening with **OO** as a temporary brace as shown.
Secure using (2) 3" screws.

48"
(121,9 cm)

48"
(121,9 cm)

48"
(121,9 cm)

Flush

Flush

Flush

Flush

Flush

Flush

Flush

Flush

2"
(5,1 cm)
Nails

6"
(15,2 cm)

12"
(30,5 cm)

48"
(121,9 cm)

OO

Primed
side UP
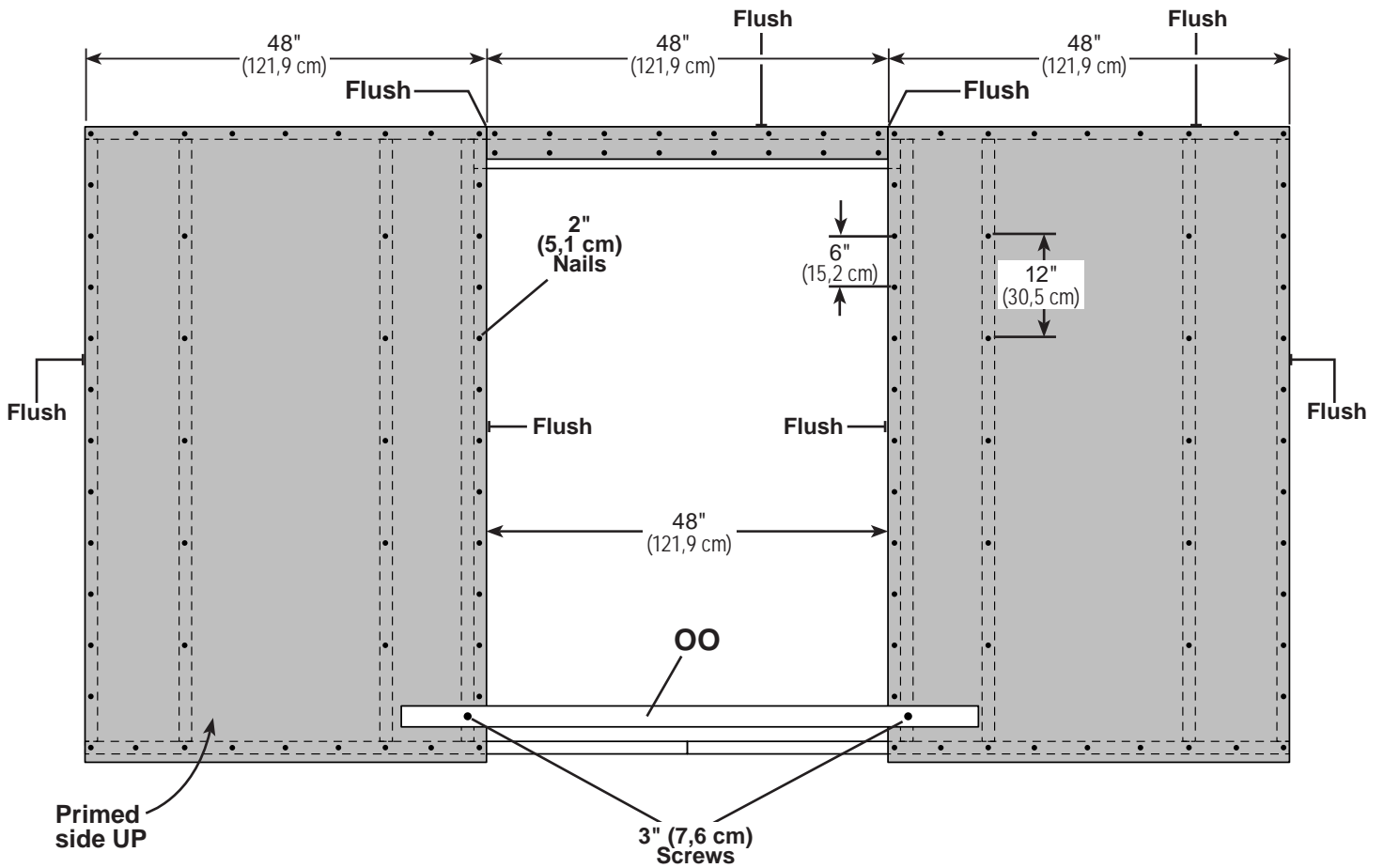
3" (7,6 cm)
Screws

Carefully flip the 12' wall over.

FINISH
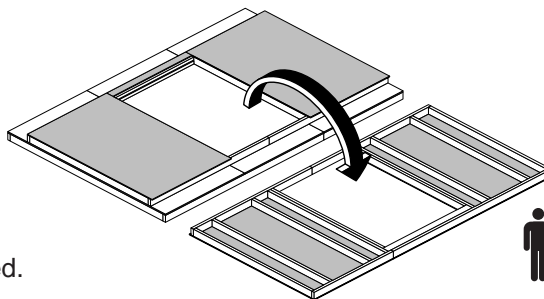
Your 12' wall with door is now assembled.

16
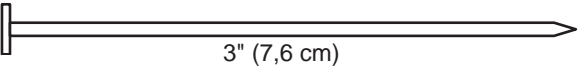
12' WALL - NO DOOR

PARTS REQUIRED:

x32 — 3" (7,6 cm)

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

x9 | TM
2 x 4 x 72" (5,1 x 10,2 x 182,9 cm)

x2 | TP
2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)
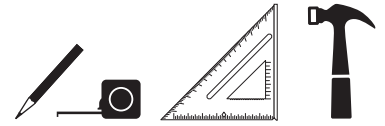
⚠ **IF YOUR DOOR IS ON THE GABLE WALL YOU WILL BUILD TWO IDENTICAL WALLS.**

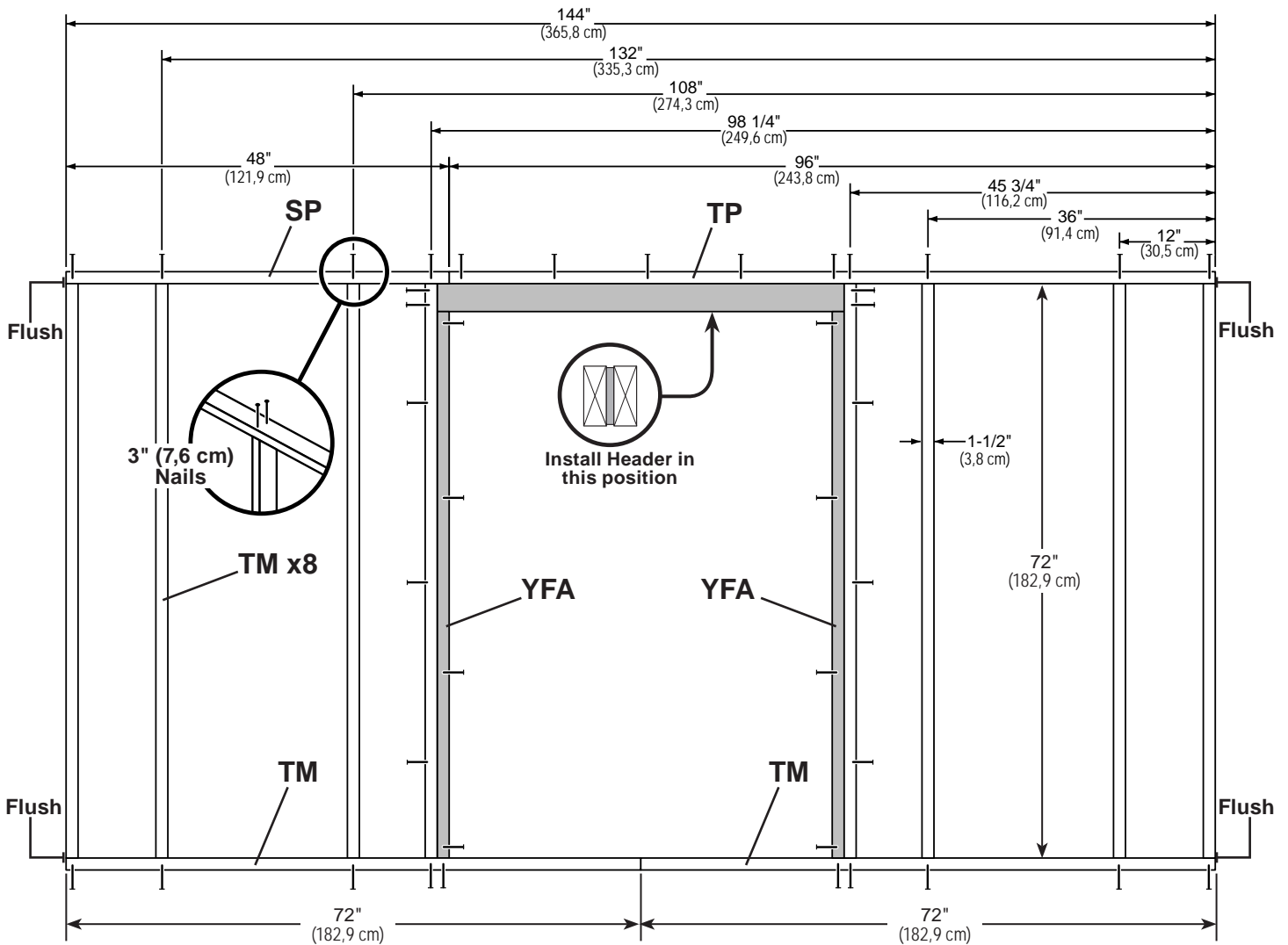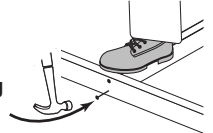**IF YOUR DOOR IS ON THE EAVE WALL YOU WILL BUILD ONLY ONE WALL.**

✓ **BEGIN**

1 Orient parts on edge on floor as shown. Measure and mark.

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

HINT:
For easier nailing
stand on frame.

144" (365,8 cm)

120" (304,8 cm)

96" (243,8 cm)

72" (182,9 cm)

96" (243,8 cm)

48" (121,9 cm)

24" (61 cm)

SEAM

Flush

Center on Marks

TP

SP

Flush

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

3" (7,6 cm) Nails

3" (7,6 cm) Nails

72" (182,9 cm)

TOENAILING

TM x7

Flush

TM

TM

Flush

72" (182,9 cm)

72" (182,9 cm)

17

PARTS REQUIRED:

x1

3/8 x 48 x 76" (1 x 121,9 x 193 cm)

GAA

3/4" GAUGE BLOCK

x47

2" (5,1 cm)
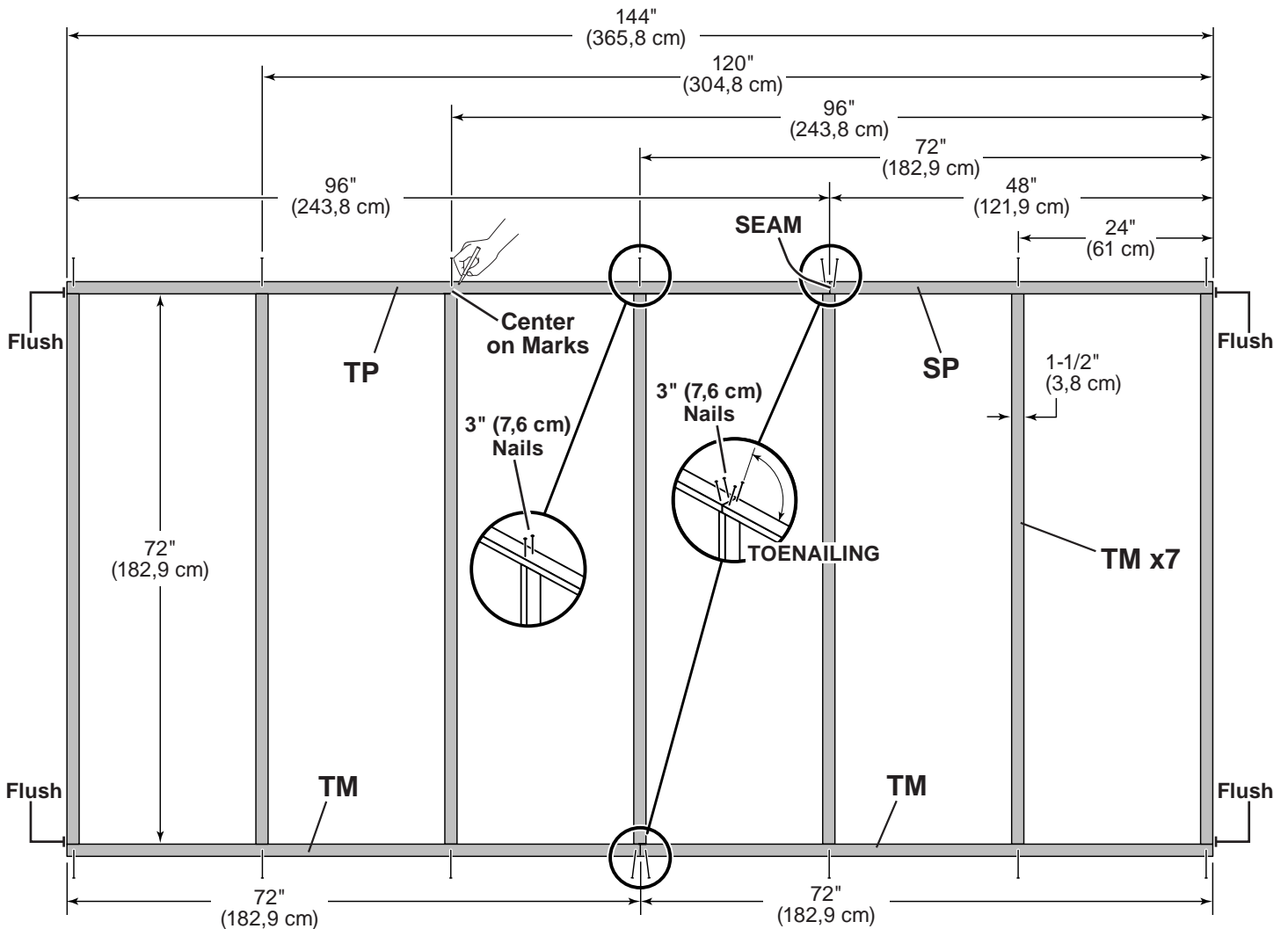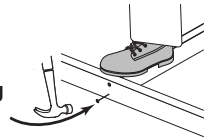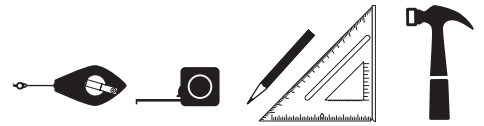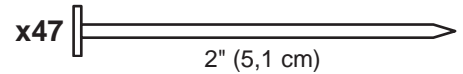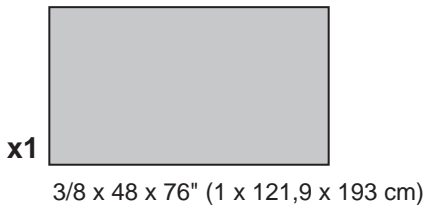
⚠ **Ensure your wall frame is square by installing one panel and squaring frame.**

2 Place first 48 x 76" panel onto wall frame as shown.
Use the **GAA** gauge block to mark the 3/4" measurement on the wall stud.
Secure panel using (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 corners using (2) 2" nails **(Fig. B)**.

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

BEGIN HERE ⚠ **For squareness, maintain 3/4" measurement along panel edge.**

48"
(121,9 cm)

3/4"
(1,9 cm)

Flush

6"
(15,2 cm)

12"
(30,5 cm)

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

**3/4"
GAUGE
BLOCK**

Flush

3/4"
(1,9 cm)

2 Nails

Fig. A

3/4"
(1,9 cm)

Fig. B

3/4"
(1,9 cm)

2 Nails

12' WALL

PARTS REQUIRED:

x94 2" (5,1 cm)

x2
3/8 x 48 x 76" (1 x 121,9 x 193 cm)
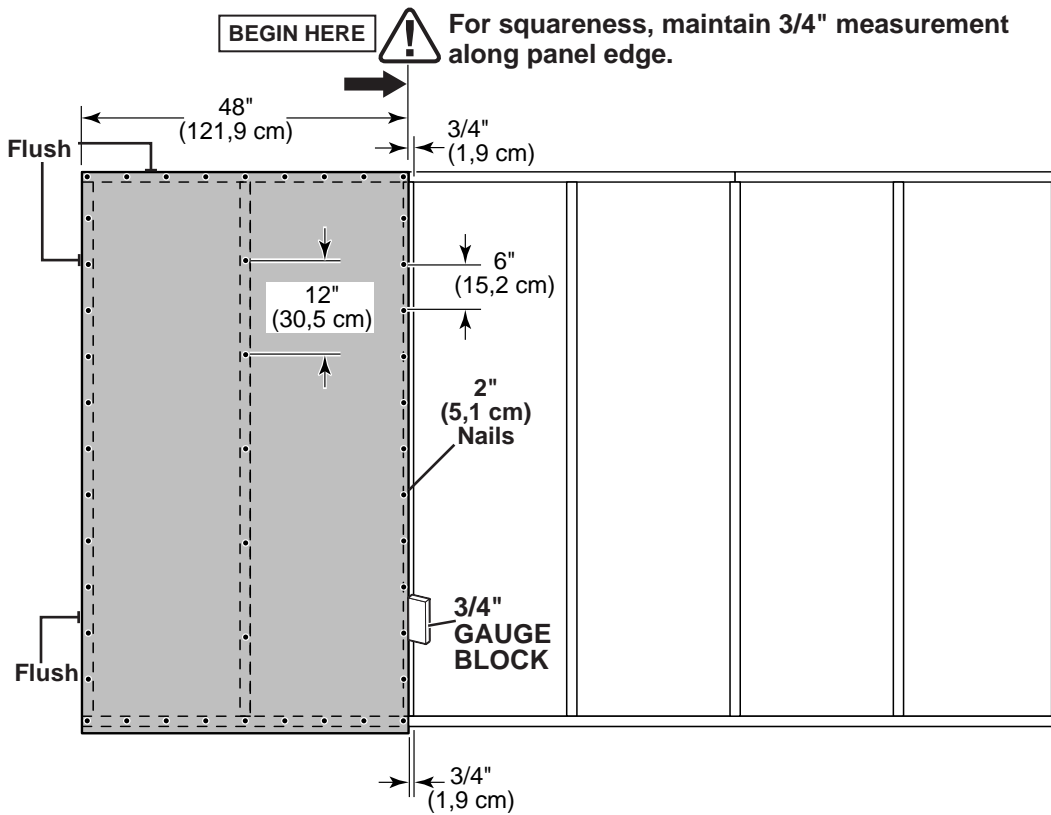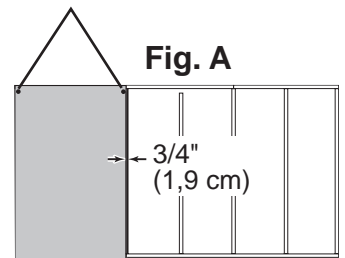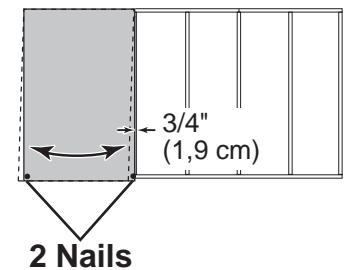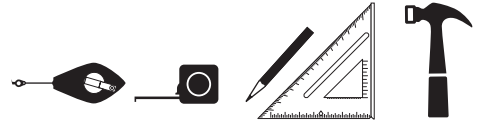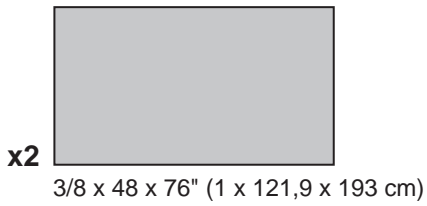
4 Install two more 48 x 76 panels on frame as shown **(Fig. A)**.

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

⚠ **For squareness maintain flush along panel edges.**

Flush

12"
(30,5 cm)

2" (5,1 cm) Nails

6"
(15,2 cm)

Flush **Flush**
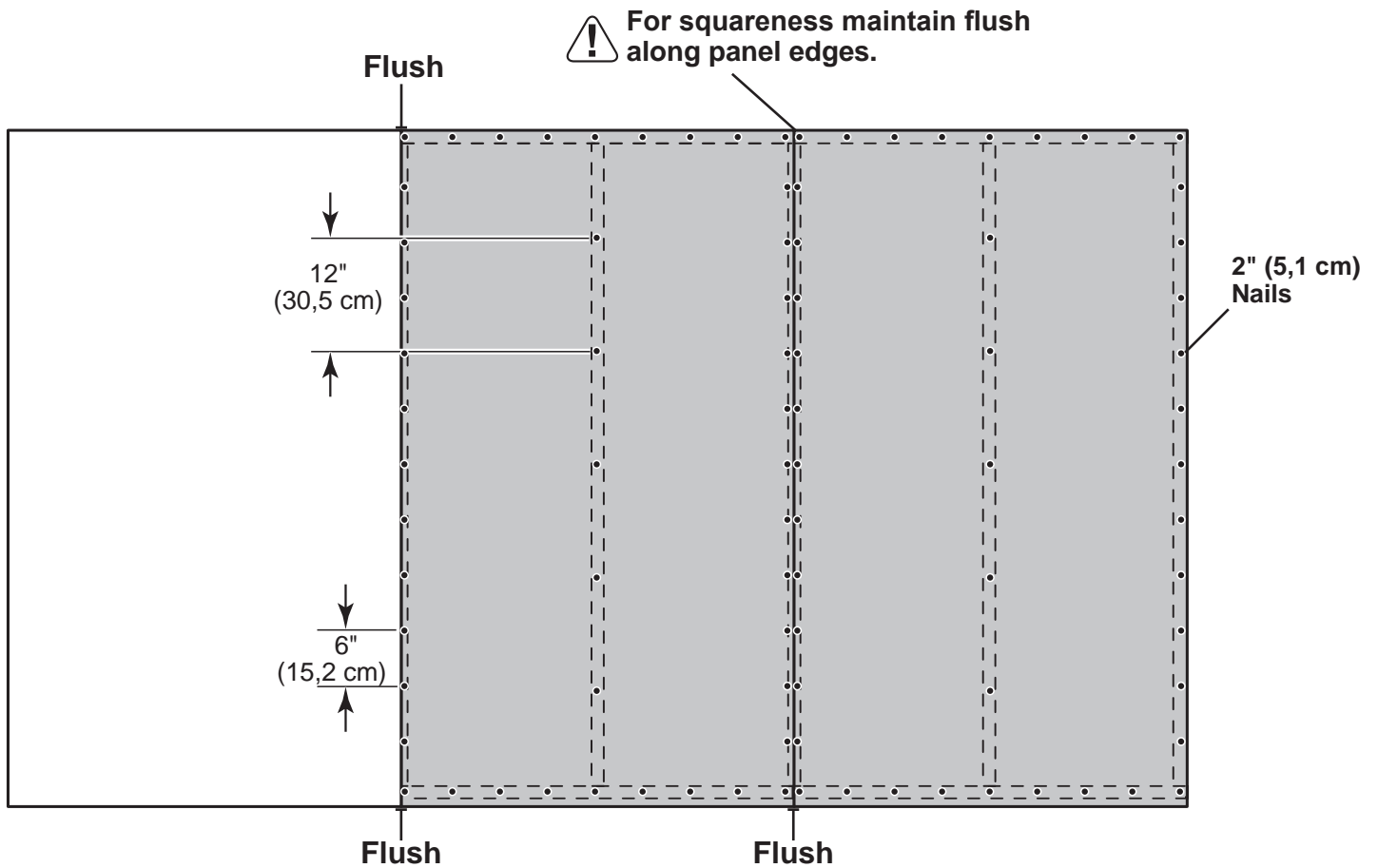
Carefully flip your eave wall over.

Repeat STEPS 1 - 4 to build a second eave wall if your door is on the gable side.
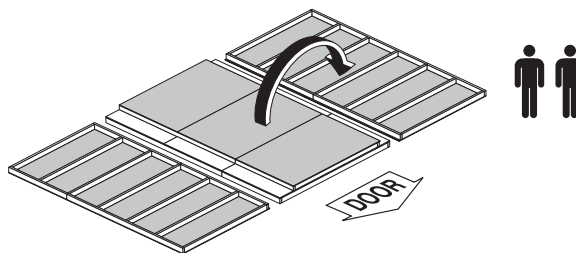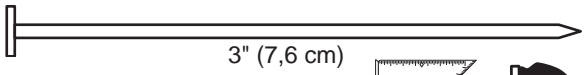
DOOR

🏁 **FINISH**

You have finished building your eave wall(s).

19

GABLE WALL - A

PARTS REQUIRED:

x3 | TM
2 x 4 x 72" (5,1 x 10,2 x 182,9 cm)

x2 | SZ
2 x 4 x 89" (5,1 x 10,2 x 226,1 cm)

x12 3" (7,6 cm)
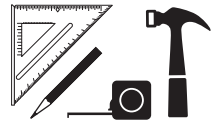
⚠ **IF YOUR DOOR IS ON THE GABLE WALL YOU WILL BUILD (1) GABLE WALL-A.**

IF YOUR DOOR IS ON THE EAVE WALL YOU WILL BUILD (1) GABLE WALL-A AND (1) GABLE WALL-B.

✓**BEGIN**

1 Orient parts on edge on floor as shown. Measure and mark.

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

GABLE WALL - A

PARTS REQUIRED:
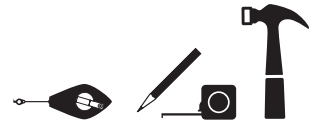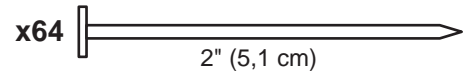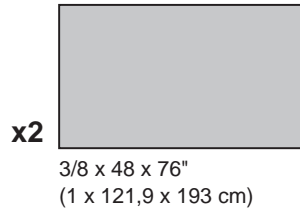
GAA
3/4" GAUGE BLOCK

x2
3/8 x 48 x 76"
(1 x 121,9 x 193 cm)

x64
2" (5,1 cm)

---

2 Place **48" x 76"** panels with primed side up onto frame flush at top.

Maintain 3/4" measurement along edge.

Secure panels using 2" nails 6" apart along edges and 12" inside panel.

Flush

2" (5,1 cm) Nails

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

3/4"
(1,9 cm) ← **BEGIN HERE**

Primed side UP

6" (15,2 cm)

12" (30,5 cm)

3/4" Gauge Block

Flush
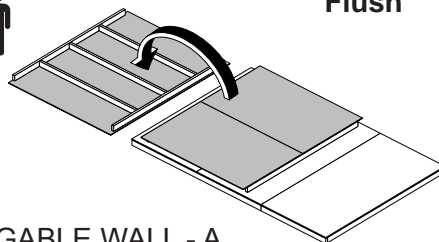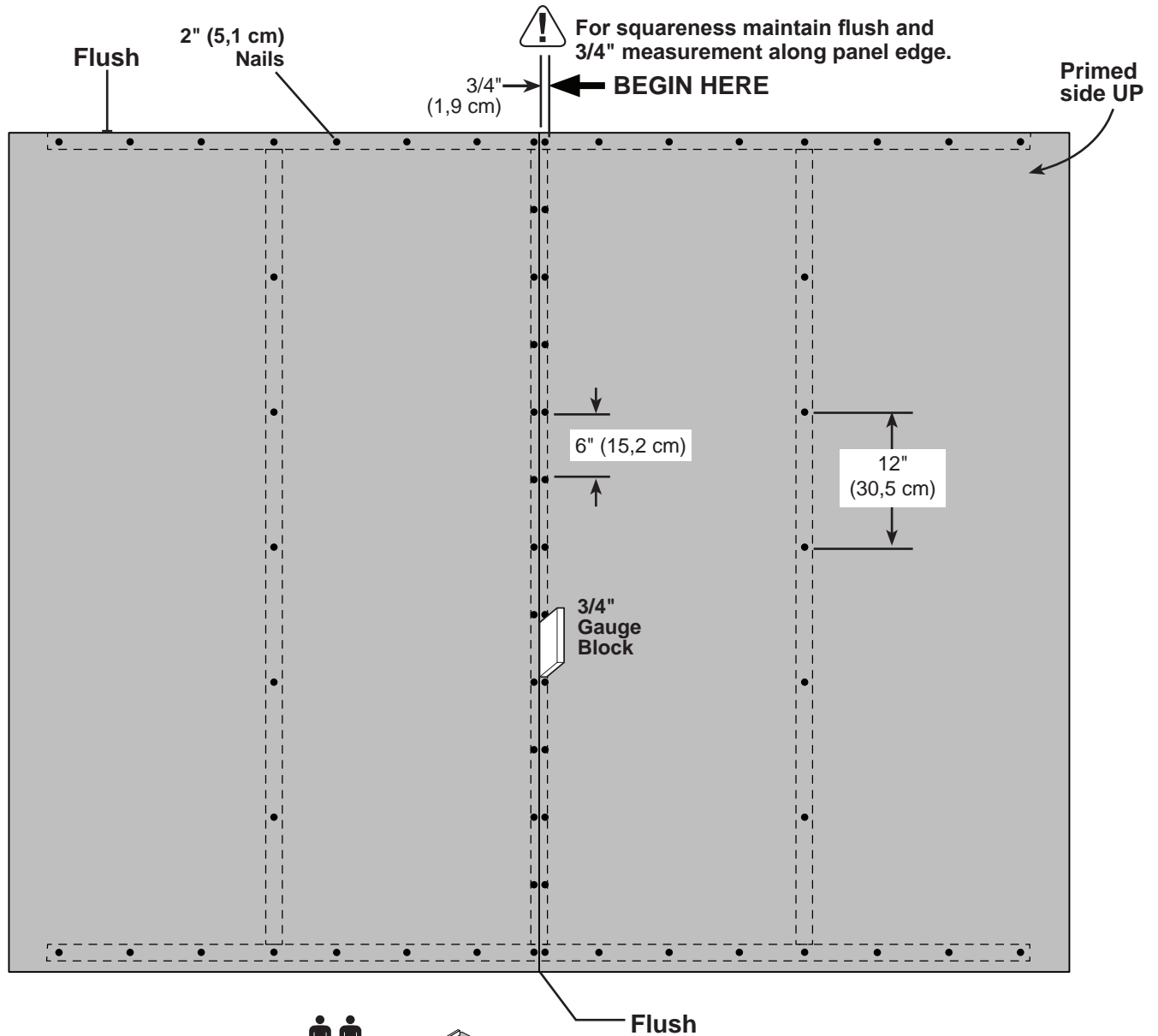
Carefully flip the gable wall over.
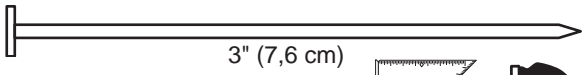
🏁 **FINISH**

You have finished building your GABLE WALL - A.

21

GABLE WALL - B

PARTS REQUIRED:

x3 TM
2 x 4 x 72" (5,1 x 10,2 x 182,9 cm)

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

x12 3" (7,6 cm)

√**BEGIN**

1 Orient parts on edge on floor as shown. Measure and mark.

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

SZ

89"
(226,1 cm)

68-1/2"
(174 cm)

44-1/2"
(113 cm)

20-1/2"
(52,1 cm)

TM
x3

3" (7,6 cm)
Nails

72"
(182,9 cm)

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

SZ
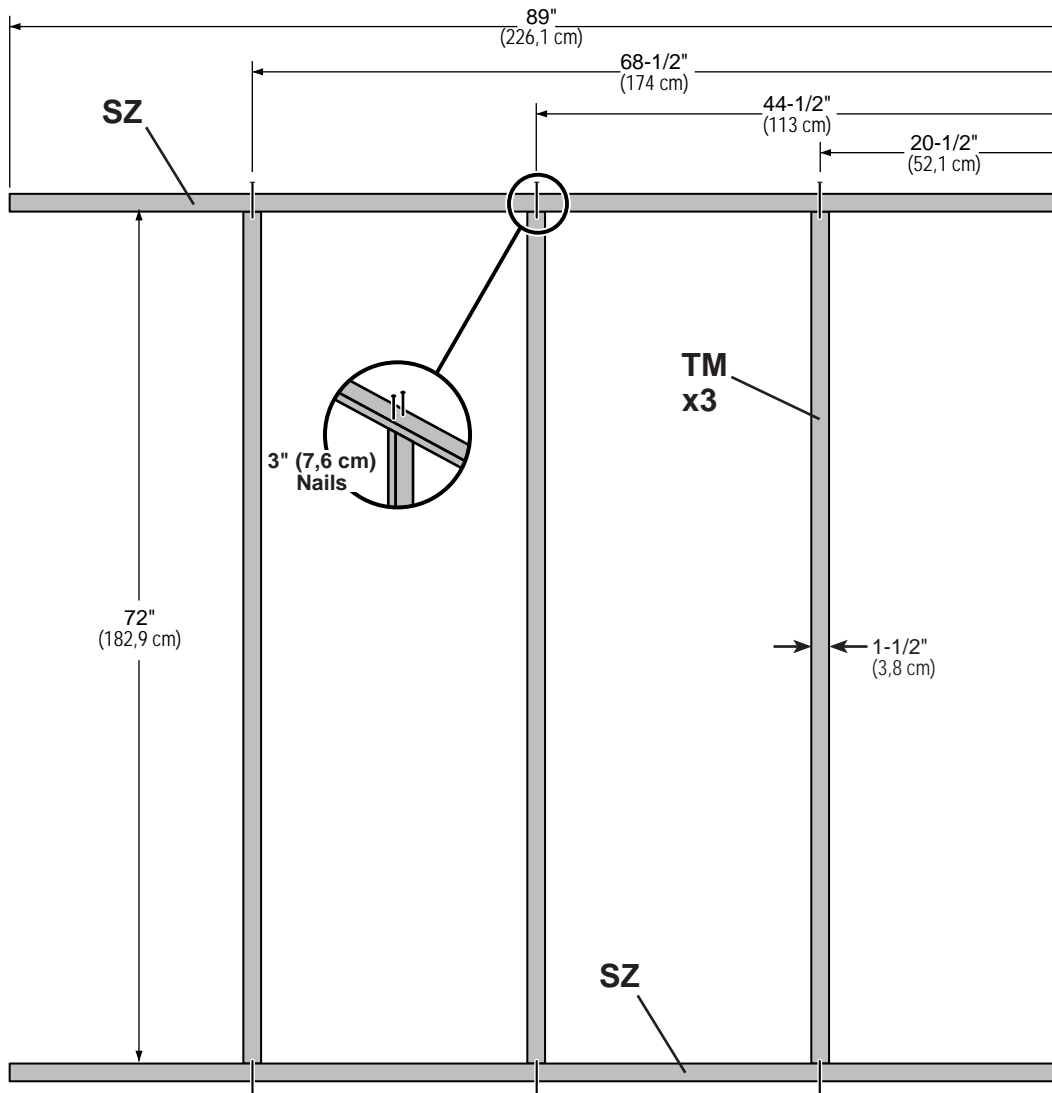
GABLE WALL - B

PARTS REQUIRED:

GAA **3/4" GAUGE BLOCK**	**x1** 3/8 x 48 x 76" (1 x 121,9 x 193 cm)	**x2** 3/8 x 23-7/8 x 76" (1 x 60,6 x 193 cm)
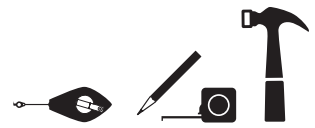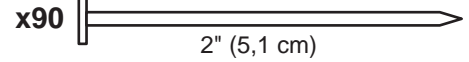
x90 2" (5,1 cm)

2 Place **48" x 76"** panels with primed side up onto frame flush at top.

Maintain 3/4" measurement along edge.

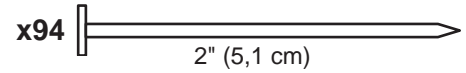Secure panels using 2" nails 6" apart along edges and 12" inside panel.

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

Flush

3/4"
(1,9 cm)

◀ BEGIN HERE

2" (5,1 cm)
Nails

Primed side UP

6" (15,2 cm)

12"
(30,5 cm)

**3/4"
Gauge
Block**

**3/4"
Gauge
Block**
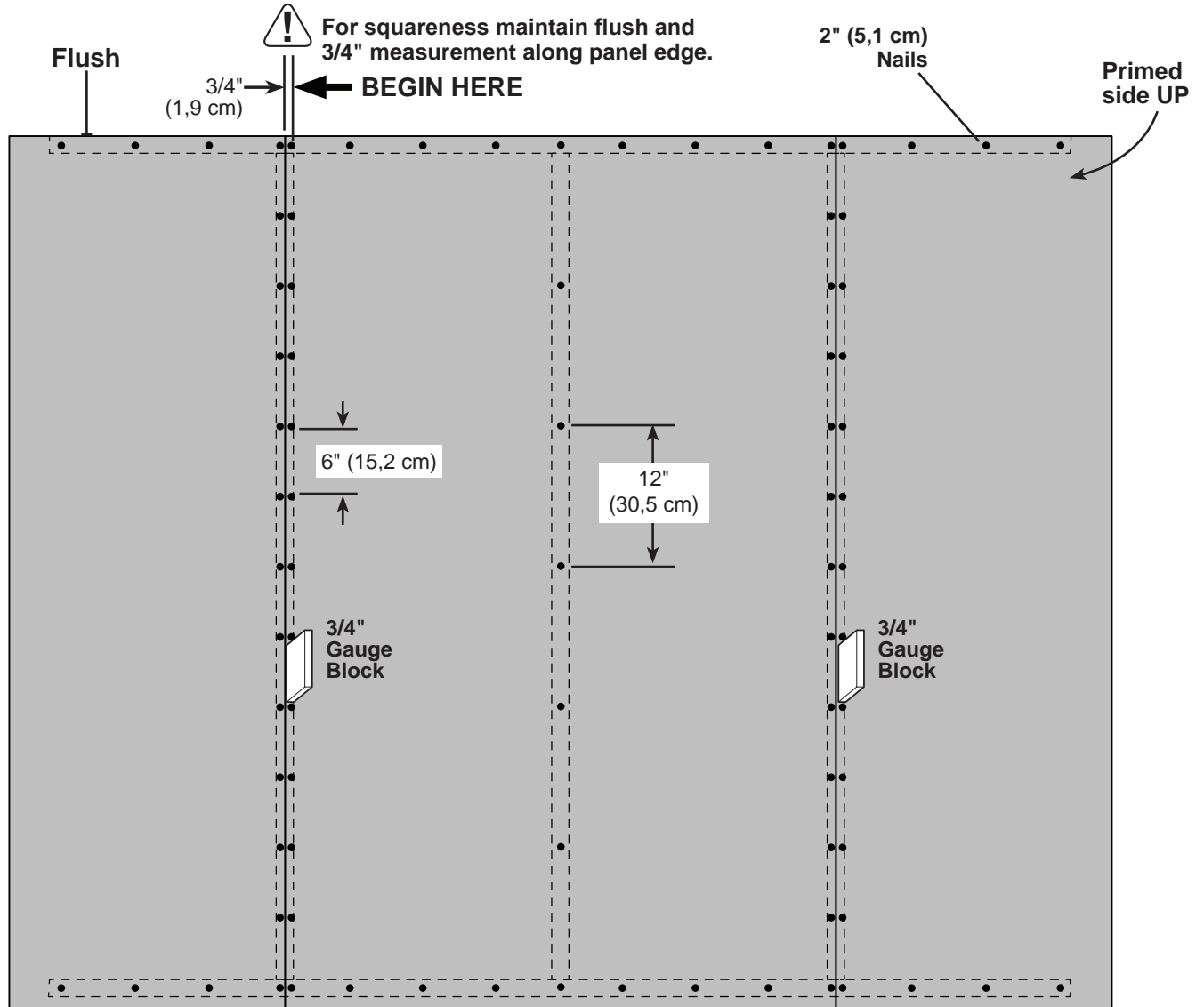
Carefully flip the gable wall over.
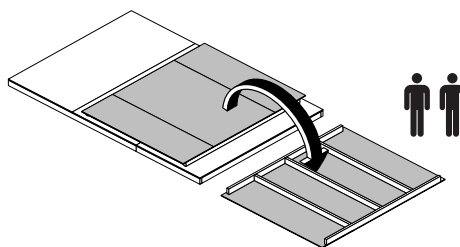
FINISH

You have finished building your GABLE WALL - B.

⚠ *STOP* ⚠

STANDING YOUR WALLS

The following steps show how to stand and secure your walls.

In the instructions we show how to stand the door wall on the Gable end.

**If you chose to put your door on the eave side,
substitute a fully framed eave wall with the door wall.**

STANDARD:
DOOR LOCATED
ON 8' GABLE WALL

OPTIONAL:
DOOR LOCATED
ON 12' EAVE WALL
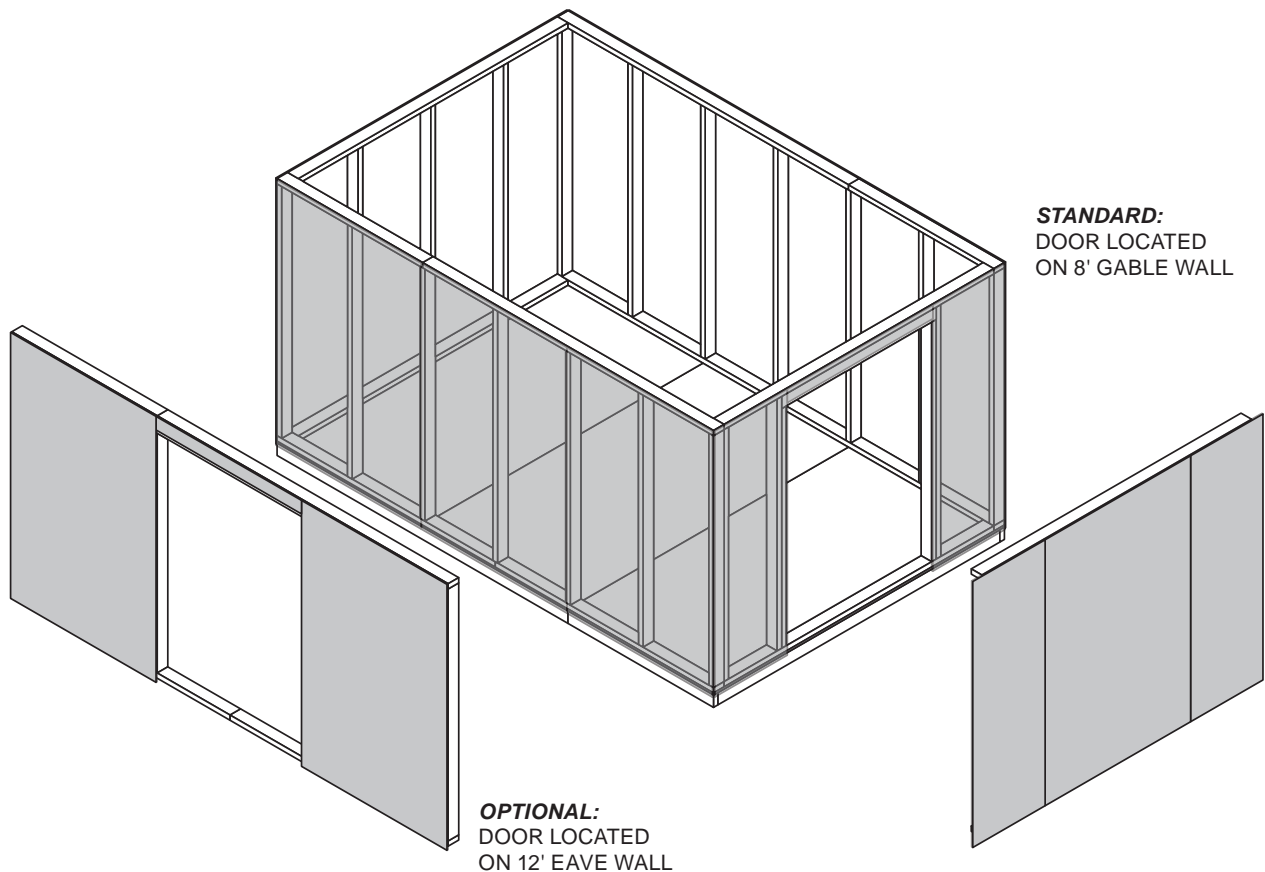
12' WALL INSTALLATION

PARTS REQUIRED:

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

x12 — 3" (7,6 cm)

x2 — 3" (7,6 cm)

x27 — 2" (5,1 cm)

✓ **BEGIN**

1 Center 12' wall on the 144" (365,8 cm) floor dimension.
1" (2,5 cm) overlap is to the bottom.

Use **OO** as a temporary brace.
Secure using (2) 3" screws.

3" (7,6 cm) Screws

144" (365,8 cm)

OO

⚠ 1" (2,5 cm)
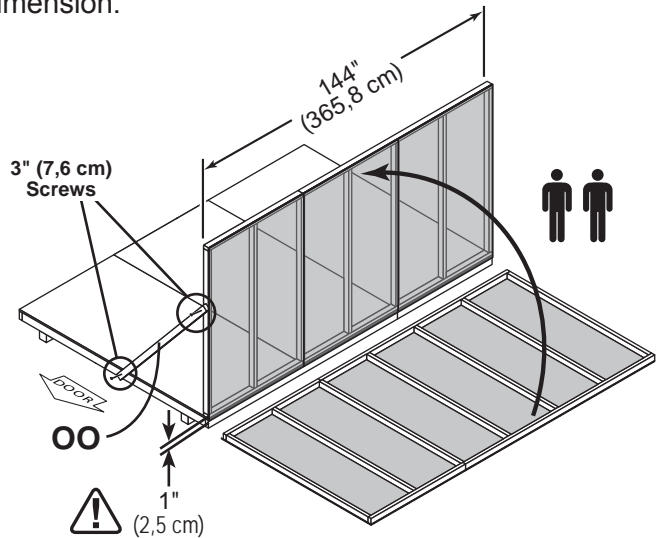
2 First, nail lower edge of panel to floor frame using 2" nails 6" apart.
Angle nail to hit floor frame **(Fig. A)**.

3 Secure wall bottom plates to floor using 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
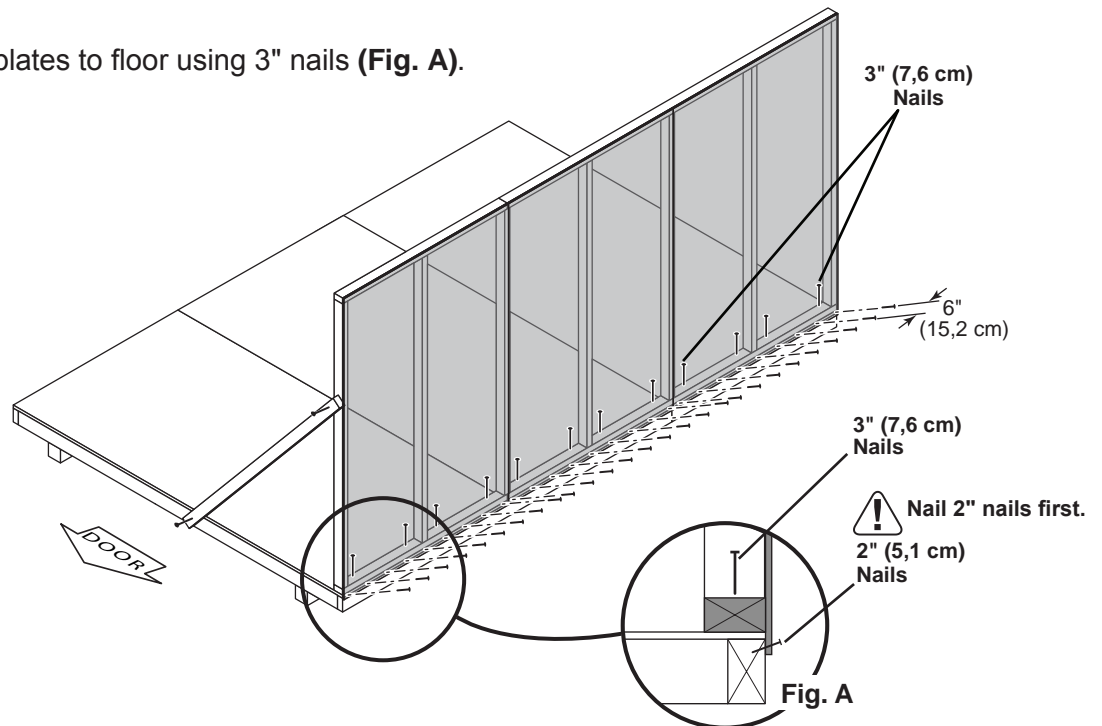
Fig. A

🏁 **FINISH**
You have finished standing your 12' wall.

GABLE WALL INSTALLATION

PARTS REQUIRED

x1 ⎯ 3" (7,6 cm)   **x2** ⎯ 2" (5,1 cm)

x18 ⎯ 2" (5,1 cm)

x12 ⎯ 1-1/2" (3,8 cm)   **x8** ⎯ 3" (7,6 cm)
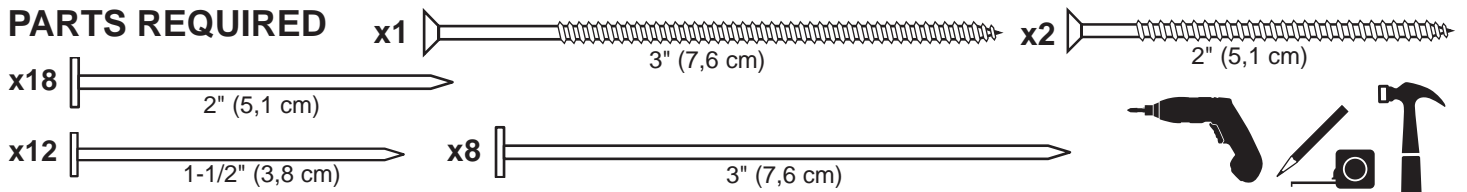
✓ BEGIN

1 Place gable wall centered on floor.

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

Secure wall to bottom plate first.
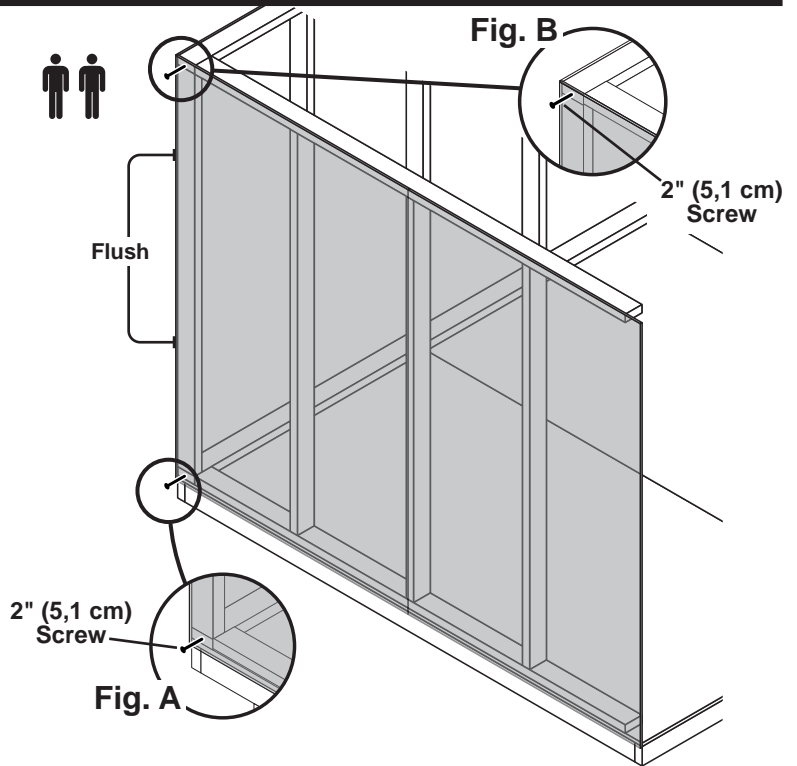
⚠ **ENSURE PANEL CORNERS ARE FLUSH.**

Flush

Fig. B

2" (5,1 cm) Screw

2" (5,1 cm) Screw

Fig. A

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

Nail panels to back wall stud using 1-1/2" nails.

3 Secure wall top plate using (1) 3" screw toe-screwed at the corner at an angle as shown in **(Fig. D)**.

🏁 **FINISH**

Your gable 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

⚠ **Nail 2" nails first.**

3" (7,6 cm) Nails

2" (5,1 cm) Nails

Fig. C

6" (15,2 cm)

2" (5,1 cm) Nails

26

PARTS REQUIRED:

x2 2" (5,1 cm)

√**BEGIN**

1 Center front wall on the 144" (365,8 cm) floor dimension.

144"
(365,8 cm)

2 Secure wall using (1) 2" screw through gable wall panel into 12' wall bottom and top plates **(Fig. B, Fig. A)**.

Secure wall to bottom plate first.

⚠ **ENSURE PANEL CORNERS ARE FLUSH.**

Fig. B

2" (5,1 cm)
Screw

Flush

Fig. A

2" (5,1 cm)
Screw

27

PARTS REQUIRED:

x27   2" (5,1 cm)

x12   1-1/2" (3,8 cm)

x12   3" (7,6 cm)

x1   3" (7,6 cm)
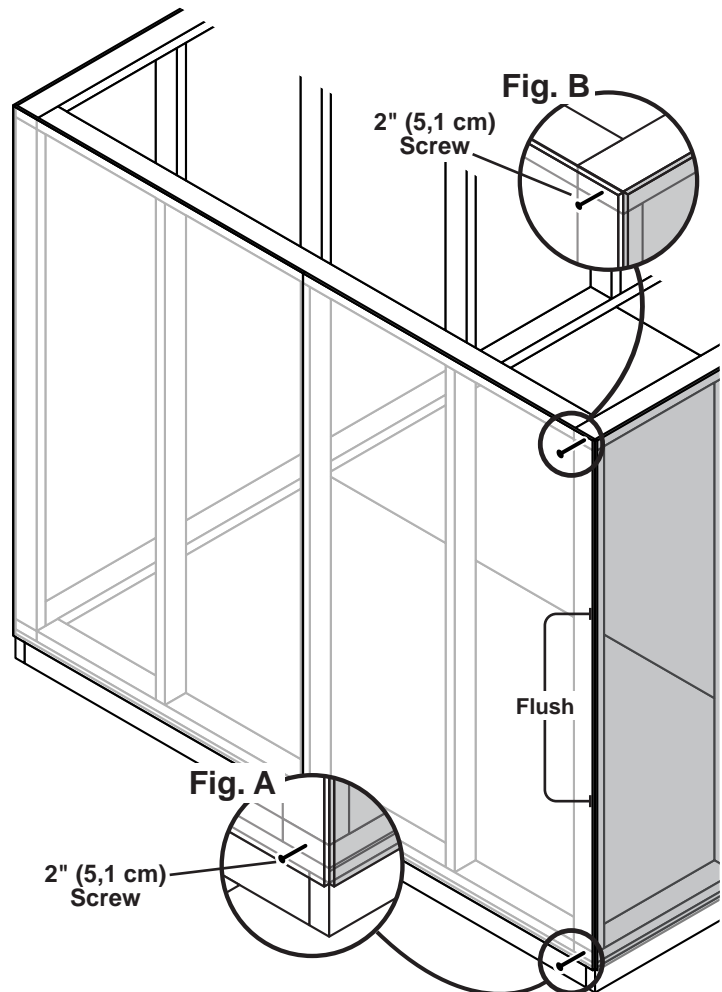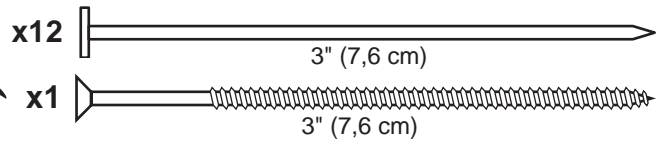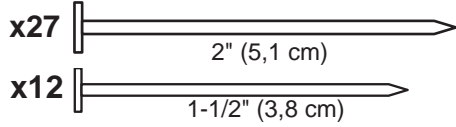
3 Nail lower edge of 12' wall panels to floor frame using 2" nails 6" apart.
Angle nail to hit floor frame **(Fig. C)**.

Secure wall bottom plates to floor using 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
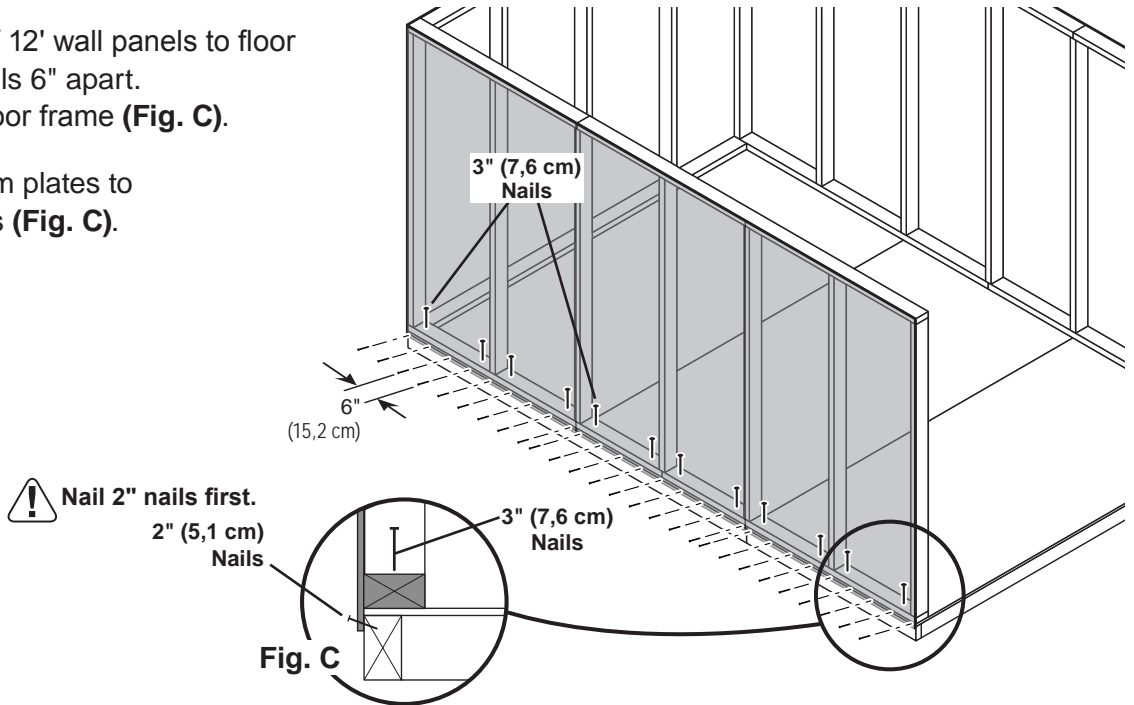
Fig. D

4 Nail gable wall panel to 12' wall stud using 1-1/2" nails 6" apart.

5 Secure gable wall top plate using (1) 3" screw toe-screwed at the corner at an angle as shown **(Fig. D)**.

🏁 **FINISH**
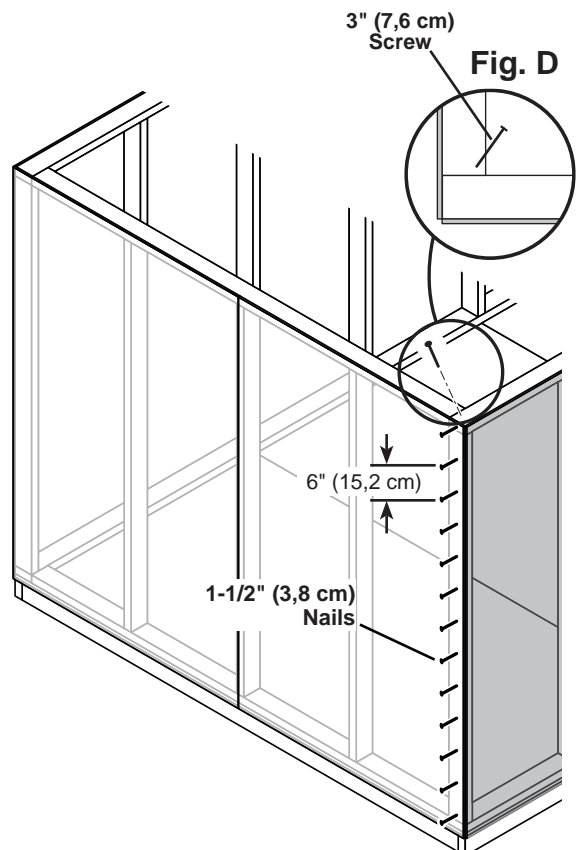
Your 12' wall is now installed.

6" (15,2 cm)

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

GABLE WALL INSTALLATION

PARTS REQUIRED

x2 — 3" (7,6 cm)

x4 — 2" (5,1 cm)

x10 — 2" (5,1 cm)

x24 — 1-1/2" (3,8 cm)

x4 — 3" (7,6 cm)
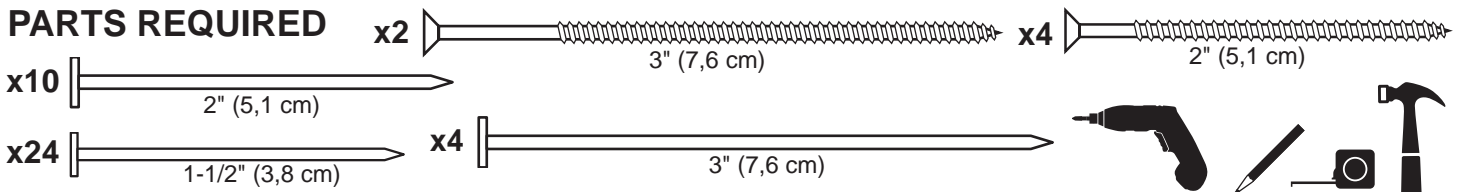
REMOVE TEMPORARY BRACING

✓ **BEGIN**

1 Place 8' wall on floor centered between 12' walls.

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

Secure wall to bottom plate first.
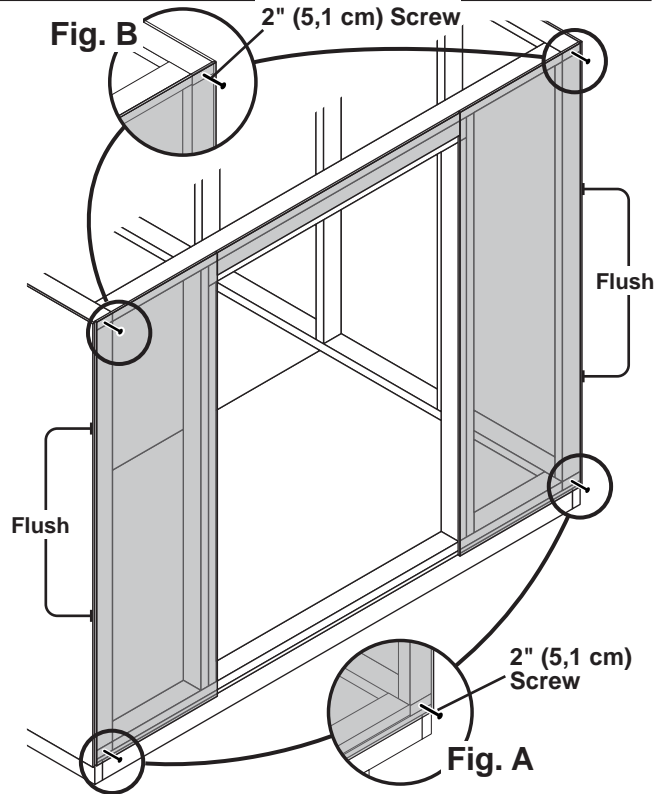
⚠ **ENSURE PANEL CORNERS ARE FLUSH.** ⚠

Fig. B

2" (5,1 cm) Screw

Flush

Flush

2" (5,1 cm) Screw

Fig. A

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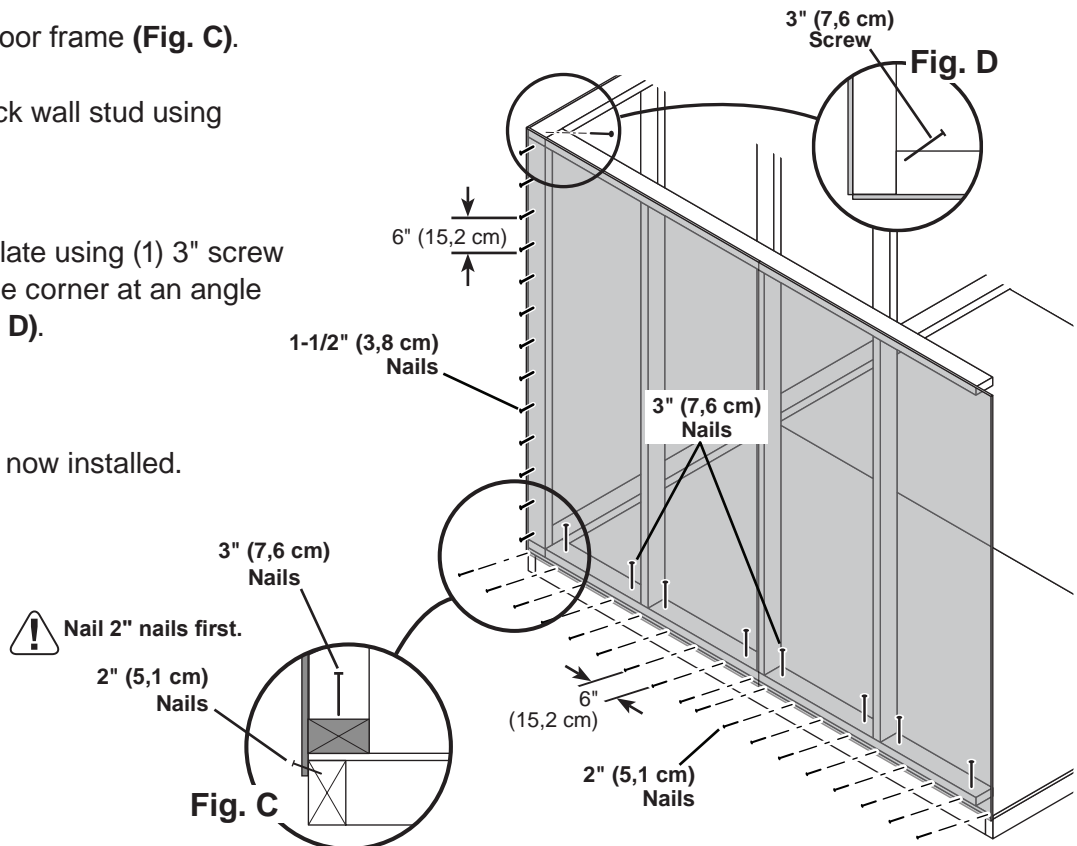Angle nail to hit floor frame **(Fig. C)**.

Nail panels to both 12' wall studs using 1-1/2" nails.

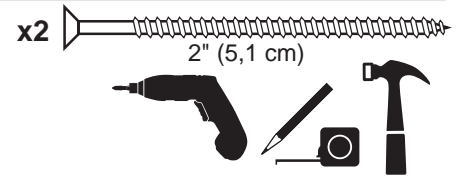**3** Secure 8' wall top plates using 3" screws toe-screwed at each corner at an angle as shown in **(Fig. D)**.
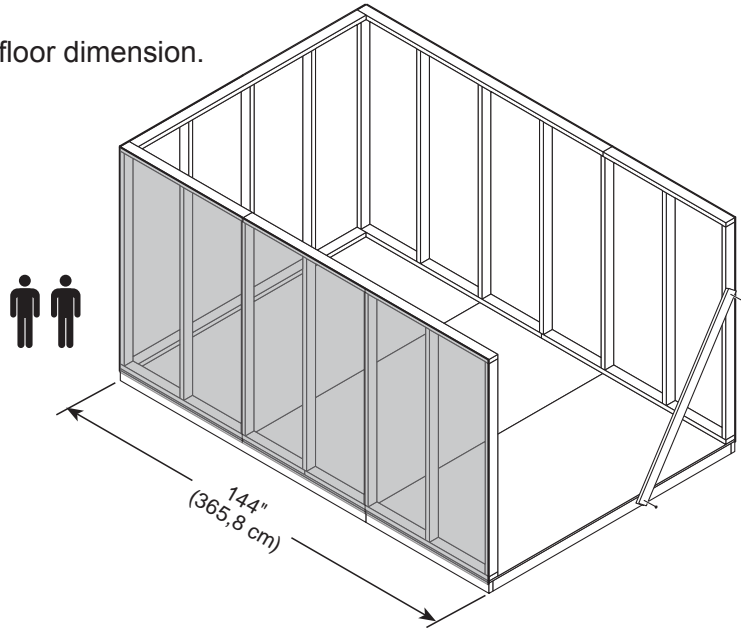
🏁 **FINISH**

Your walls are now installed.

CUT OUT AND REMOVE BOTTOM PLATE AT DOOR OPENING.

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

Fig. C

2" (5,1 cm) Nails

6" (15,2 cm)

29

RAFTERS

PARTS REQUIRED:

x12 ⌂ GUSSET

x14 ◁ Pre-assembled ▷
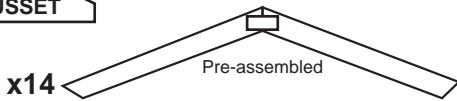
x1 GAA **3/4" GAUGE BLOCK**
1 x 3 x 5" (2,5 x 7,6 x 12,7 cm)

x144 |━━━━━ 2" (5,1 cm)
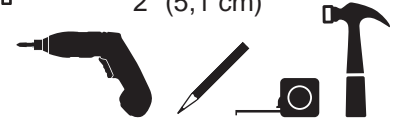
You will build SEVEN rafter assemblies.

✓**BEGIN**

1 Measure 96-3/4" (245,7 cm) from the corner and screw down the 3/4" gauge block securely.

2 Arrange trusses with 40-7/16" measurements as shown, with truss ends touching at peak.
Nail (1) gusset to trusses with a 1/4" offset using (12) 2" nails in pattern shown **(Fig. A)**.

3 Repeat STEPS 1 - 2 to build one more end-rafter assembly having only one gusset.
Set the (2) end-rafters aside.

Flush to corner

Flush at peak

96-3/4" (245,7 cm)

40-7/16" (245,7 cm)

40-7/16" (245,7 cm)

1/4" (1,9 cm)   1/4" (1,9 cm)

Fig. A
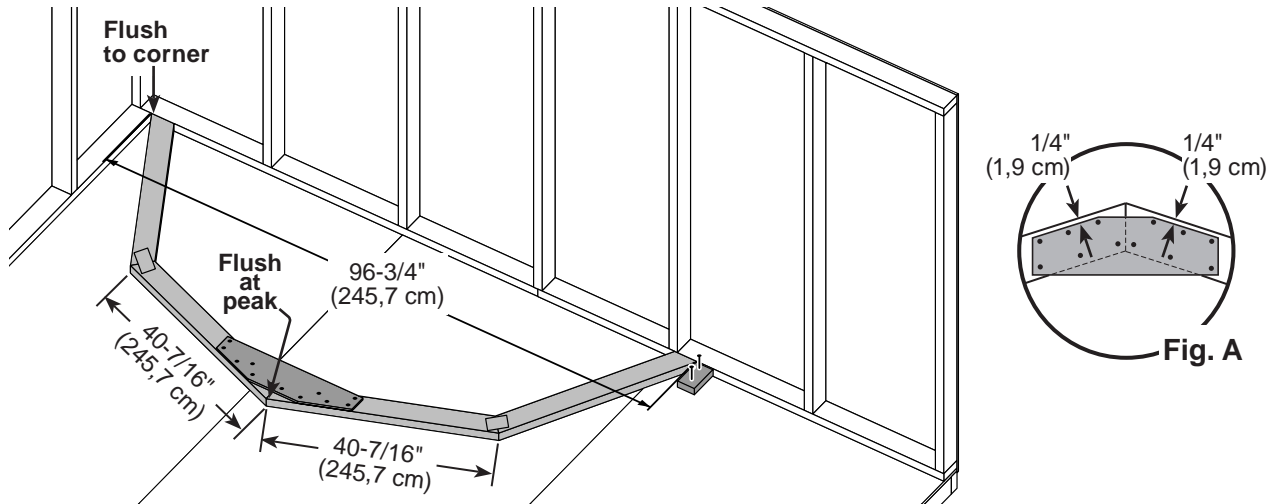
4 Repeat STEPS 1 - 2 to build five rafter assemblies having two gussets.
To complete assemblies, turn each rafter assembly over and nail second gusset to back side.
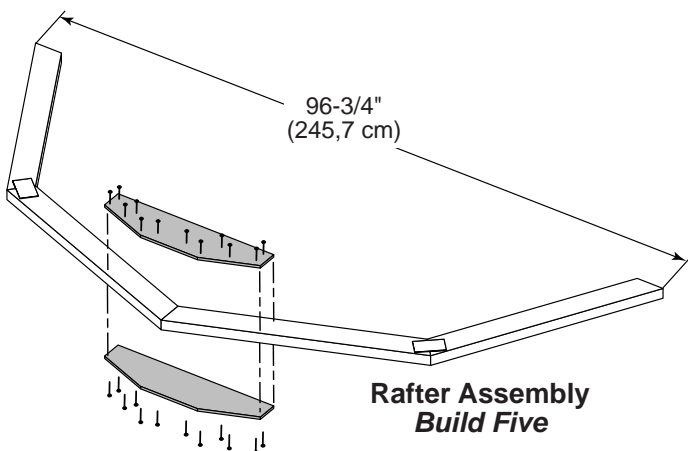
⚠ **Gable-end rafter assemblies only have one gusset.**

96-3/4" (245,7 cm)

Rafter Assembly
Build Five

96-3/4" (245,7 cm)

Gable End-Rafter Assembly
Build Two

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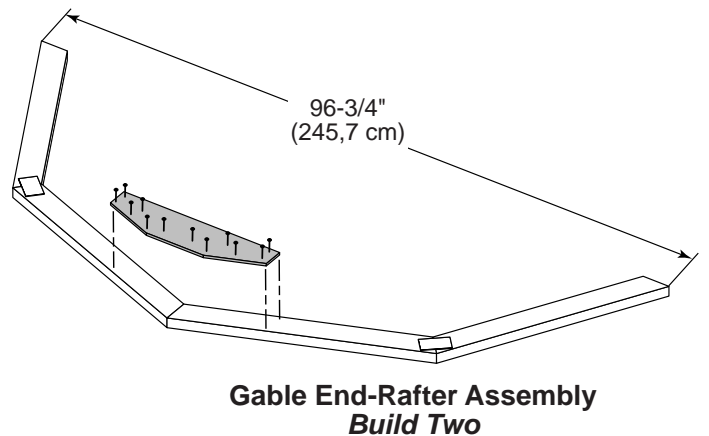
Your rafters are now assembled.

RAFTER INSTALLATION

PARTS REQUIRED:

Pre-assembled Rafter with 2 Gussets **x5**

Pre-assembled Rafter with 1 Gusset **x2**

x24 3" (7,6 cm)
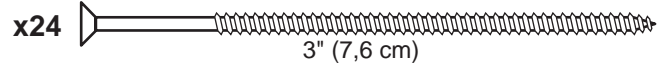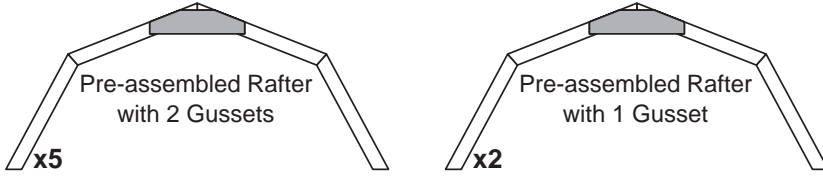
✓**BEGIN**

1 Secure rafters to top plate using (2) 3" screws in center rafters **(Fig. A)**.

Use (1) screw angled into end rafters.

Note single-gusset rafters at each end, with gusset facing inward.

| 24-3/8" (61,9 cm) | 24" (61 cm) | 24" (61 cm) | 24" (61 cm) | 24" (61 cm) | 24-3/8" (61,9 cm) |

Flush to outside of panel

Flush to outside of panel

Fig. A

3" (7,6 cm) Screws angled into top plate

Flush to outside of panel

Flush to outside of panel

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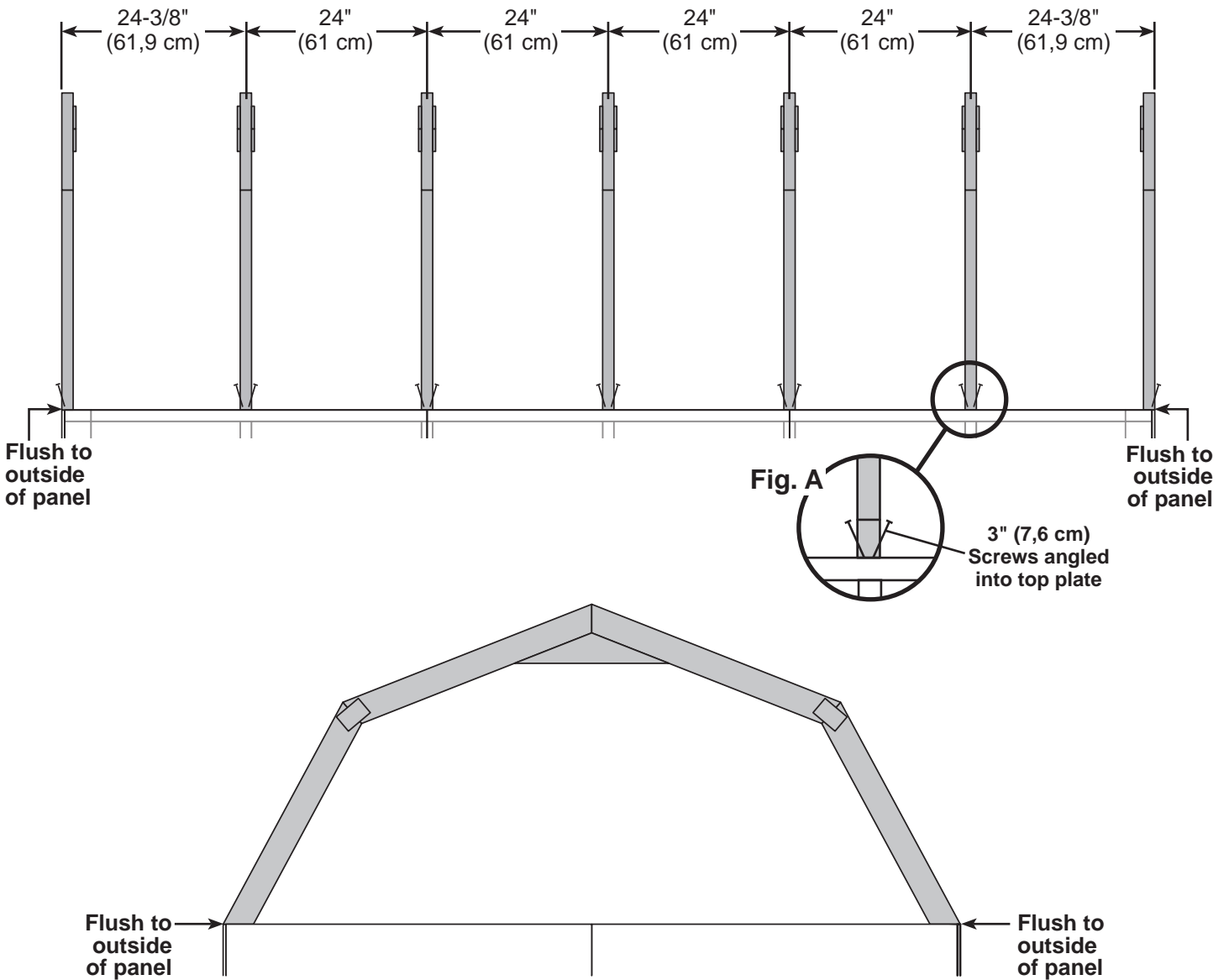
Your rafters are now installed.

PARTS REQUIRED:

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

x4 CWA
2 x 4 x 13"
(5,1 x 10,2 x 33 cm)

x2 **x2**
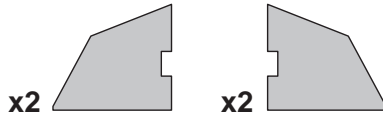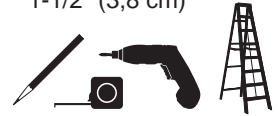
✓**BEGIN**

1 Orient parts **CWA** on flat as shown.

Place left gable panel as shown. Secure using 1-1/2" nails as shown.

1-3/4"
(4,5 cm)

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

Primed
side up

CWA (on flat)

Flush

1"
(2,5 cm)
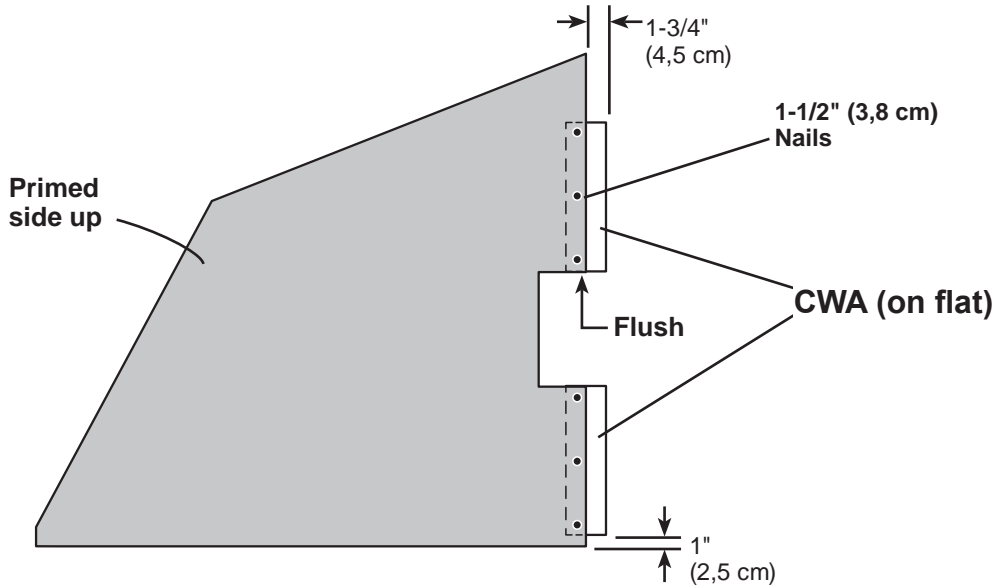
2 Place right gable panel flush to left panel. Secure using 1-1/2" nails as shown.

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

Primed
side up

Flush

Flush
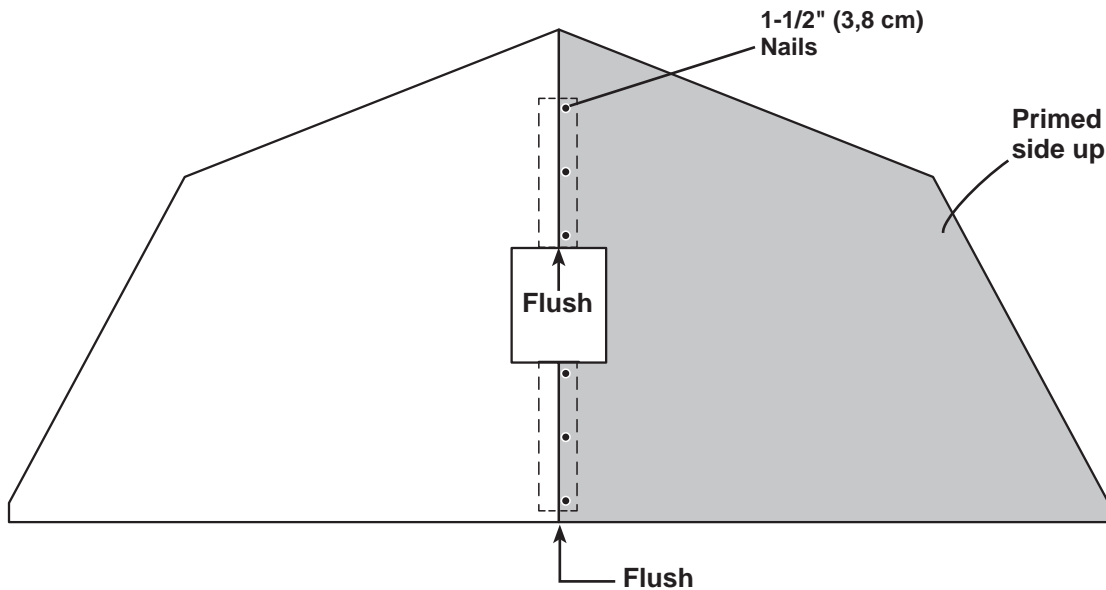
Repeat STEPS to build a 2nd gable unit.

🏁**FINISH**

Your gable units are now asembled.

32

GABLE UNIT INSTALLATION

PARTS REQUIRED:
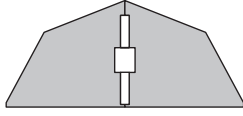
x88 ➞ 1-1/2" (3,8 cm)   x4 ➞ 3" (7,6 cm)

x2 Gable Units

✓**BEGIN**

Attach gable unit on front wall top plate.

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

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

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

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

3 Working inside, secure gable unit using (2) 3" screws toe-screwed into **CWA** at an angle as shown **(Fig. A)**.

NAIL FIRST 2" (5,1 cm)
1" (2,5 cm) Measure and Mark
TOP PLATE
6" (15,2 cm)
CWA
Fig. A
3" (7,6 cm) Screws
1" (2,5 cm) Measure and Mark
NAIL FIRST 2" (5,1 cm)
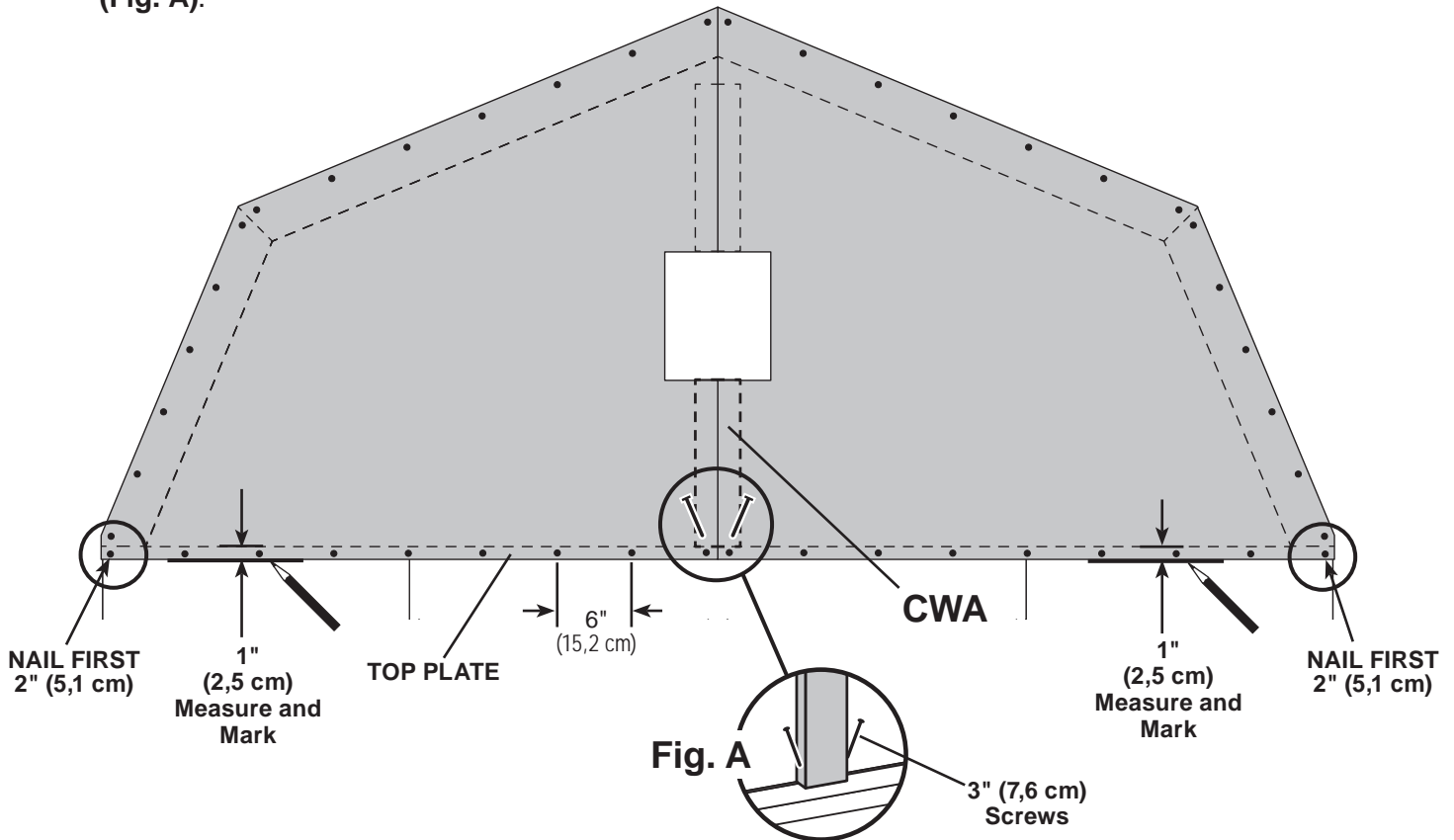
4 Continue securing panels to rafter using 2" nails 6" apart.

Repeat STEPS 1 - 4 for opposite side.

🏁**FINISH**

Your gable units are now installed

33

ROOF PANELS

PARTS REQUIRED:

x1
40-7/16 x 96"
(102,7 x 243,8 cm)

GAA
3/4" GAUGE BLOCK

x4
2" (5,1 cm)
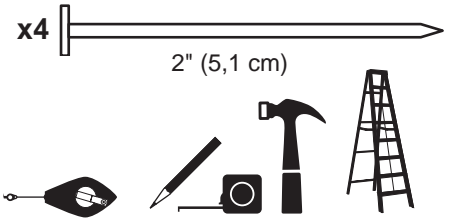
⚠ **Roof panels may cause serious injury until securely fastened.**
Note: all roof panels need to be installed with the rough side up (painted grid lines).

✓**BEGIN**

1 Place the **40-7/16" x 96"** panel on rafters with a 3/4" measurement on the rafter **(Fig A)** and the panel flush at the peak **(Fig. B)**.

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

Flush at peak

Fig. B

40-7/16" x 96"

Gauge Block

3/4"
(1,9 cm)

Fig. A

Two Nails
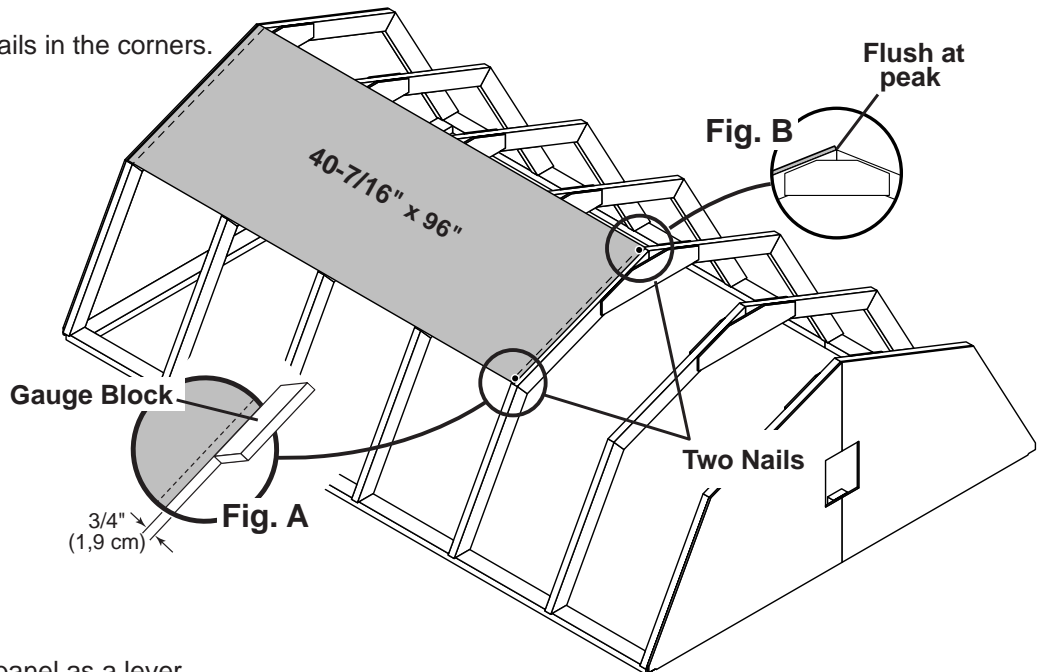
2 Move to the opposite end.
Using the long edge of the panel as a lever, move the panel side-to-side until the top corner is flush to the peak **(Fig. B)** and there is a 1/2" measurement on the gable end rafter **(Fig. C)**.

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

Flush at peak

1/2"
(1,2 cm)

Two Nails

Gable End Rafter

Fig. B

Fig. C

34

PARTS REQUIRED:

x1

40-7/16 x 48"
(102,7 x 121,9 cm)

x12

2" (5,1 cm)

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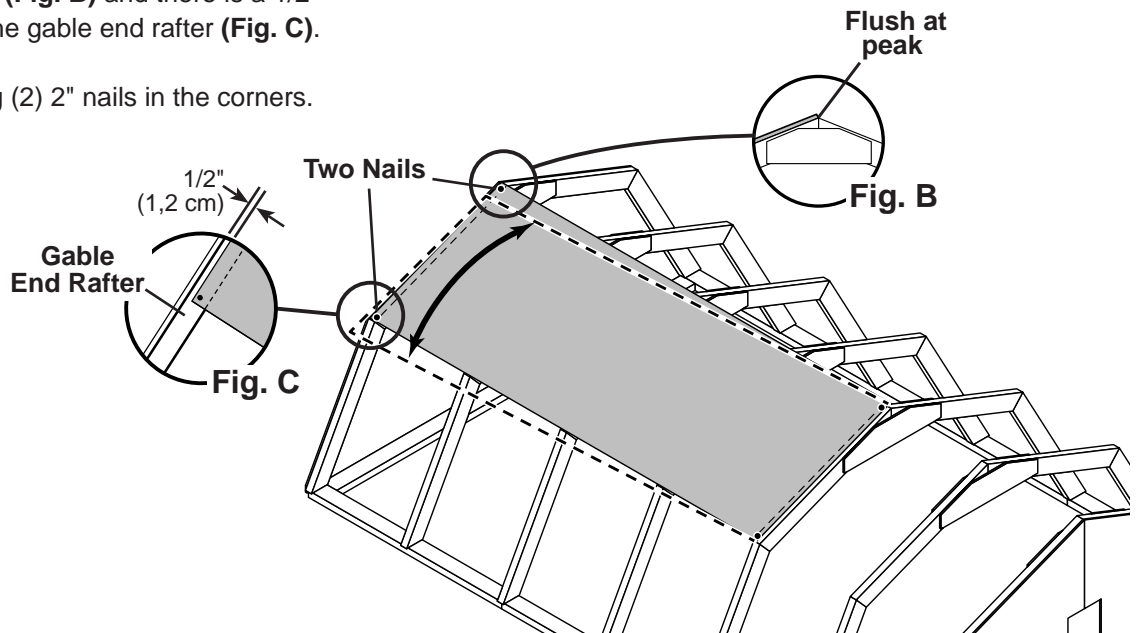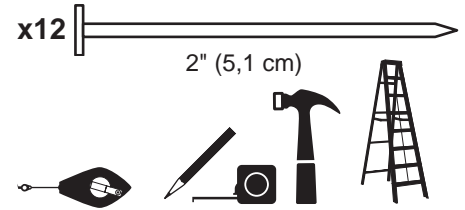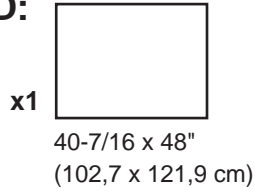
3 Install a **40-7/16" x 48"** roof panel flush to the installed panel and flush at peak **(Fig. B)**.

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

4 Move the gable until it is at 1/2" **(Fig. C)** from the **40-7/16" x 48"** roof panel.

Finish securing panel using (2) 2" nails in the corners.

Flush at peak

Two Nails

Flush

40-7/16" x 48"

Flush

Fig. B

Move Gable

Fig. C

1/2"
(1,2 cm)

Gable End Rafter
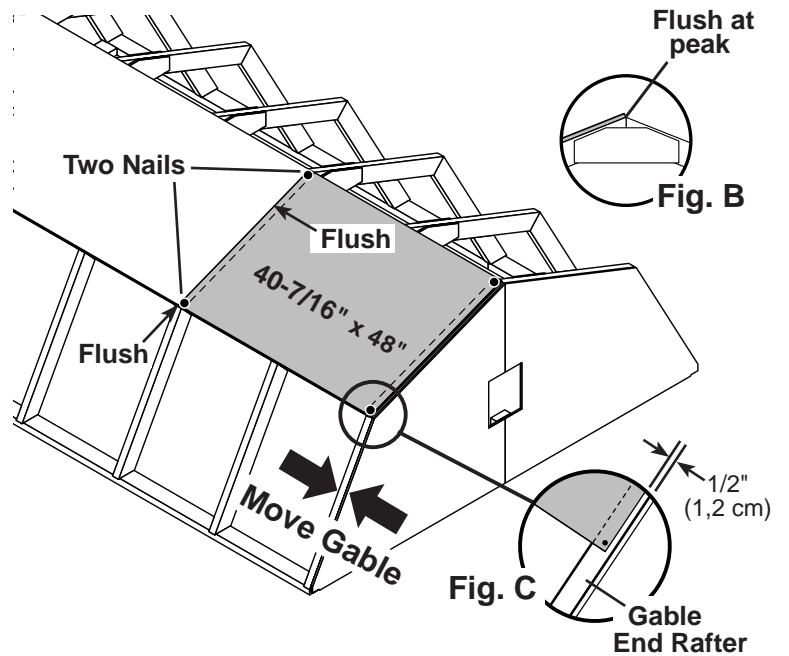
5 Maintain spacing between the center of the rafters at the lower edge of the panel **(Fig. D)**.

Secure panels using (1) 2" nail into each rafter.

Move to the top of the panel and keep spacing between the center of the rafters.

Secure panels using (1) 2" nail into each rafter.

Fig. D

NOTE: Measurements are to outside of rafter.

24-3/8" (61,9 cm)	24" (61 cm)	24" (61 cm)	24" (61 cm)	24" (61 cm)	24-3/8" (61,9 cm)

2" (5,1 cm) Nails
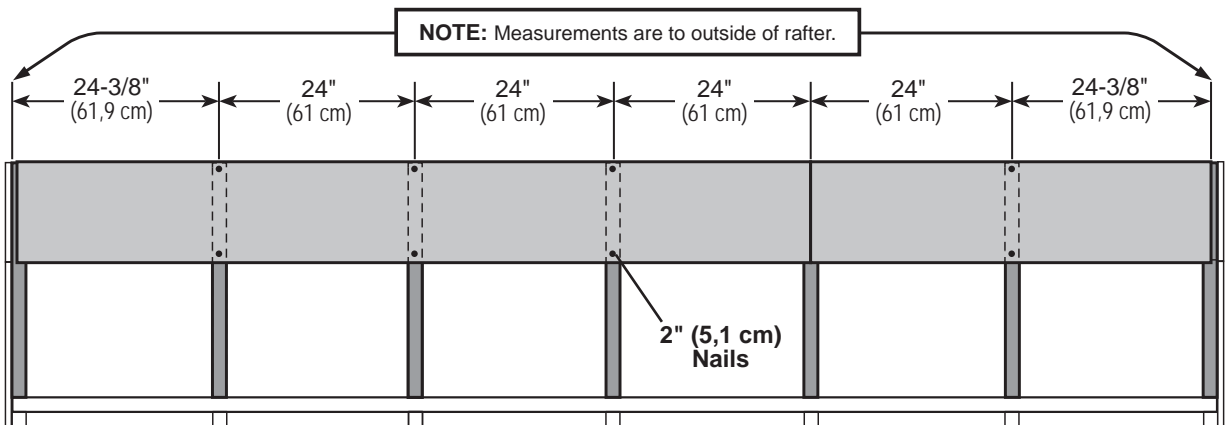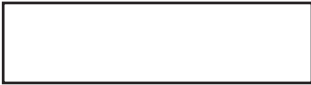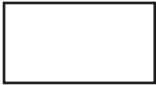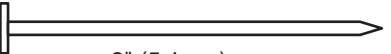
ROOF PANELS

PARTS REQUIRED:

GAA

3/4" GAUGE BLOCK

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

x1
23-7/8 x 48"
(60,6 x 121,9 cm)

x16
2" (5,1 cm)

x2
7-7/16 x 72-3/4"
(18,9 x 83,2 cm)

---

6 Install a **23-7/8" x 96"** and **23-7/8" x 48"** roof panels with a 3/4" measurement on the rafter **(Fig A)** and flush to the installed panels **(Fig E)**.

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

Flush

Fig. E

2" (5,1 cm) Nails

23-7/8 " x 48 "

Flush

23-7/8 " x 96 "

Flush

3/4"
(1,9 cm)

Fig. A

Gauge Block

---
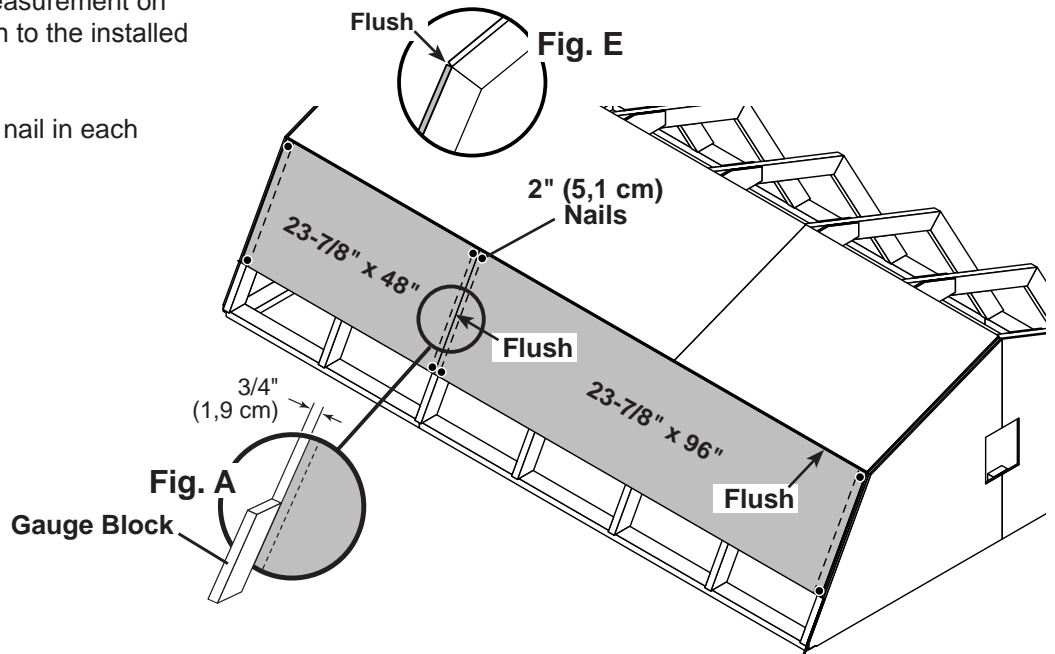
7 Install **7-7/16" x 72-3/4"** roof panels with a 3/4" measurement on the rafter **(Fig A)** and flush to the installed panels **(Fig E)**.

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

Flush

Fig. E

Flush to outside gable

Flush

7-7/16 " x 72-3/4 "

Flush

3/4"
(1,9 cm)

Fig. A

Gauge Block

7-7/16 "" x 72-3/4 "

Flush

2" (5,1 cm) Nails

Flush to outside gable

36

PARTS REQUIRED:

x136

2" (5,1 cm)
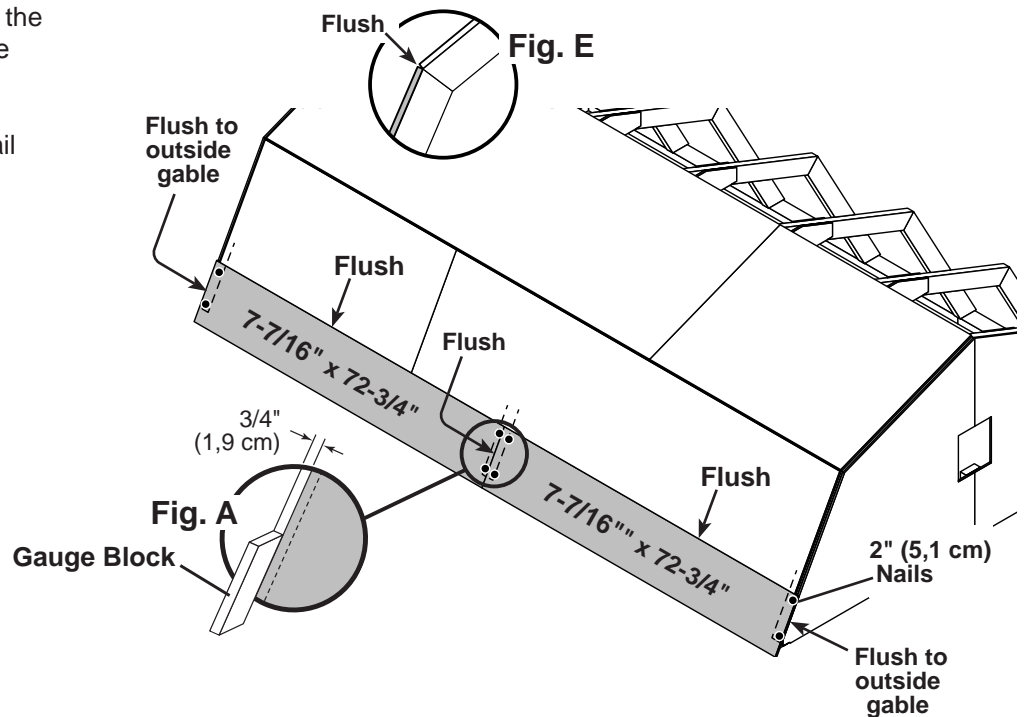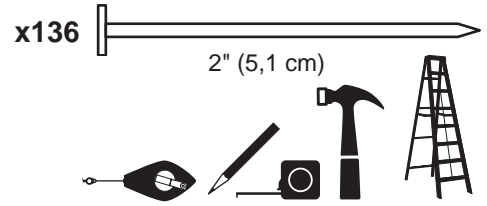
8 Secure all roof panels using 2" nails 6" apart on edges and 12" apart inside panel.

6"
(15,2 cm)

12"
(30,5 cm)
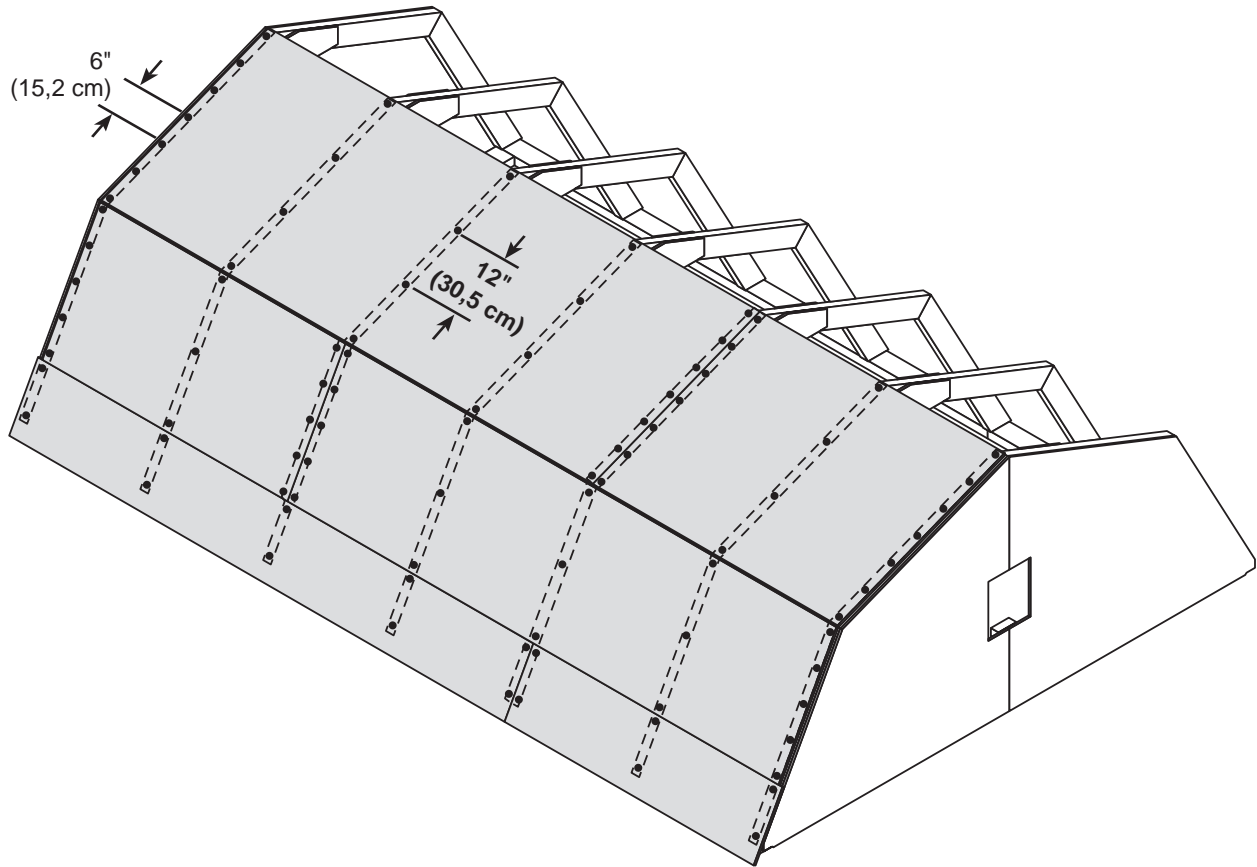
Repeat STEPS to install roof panels on the opposite side.

FINISH
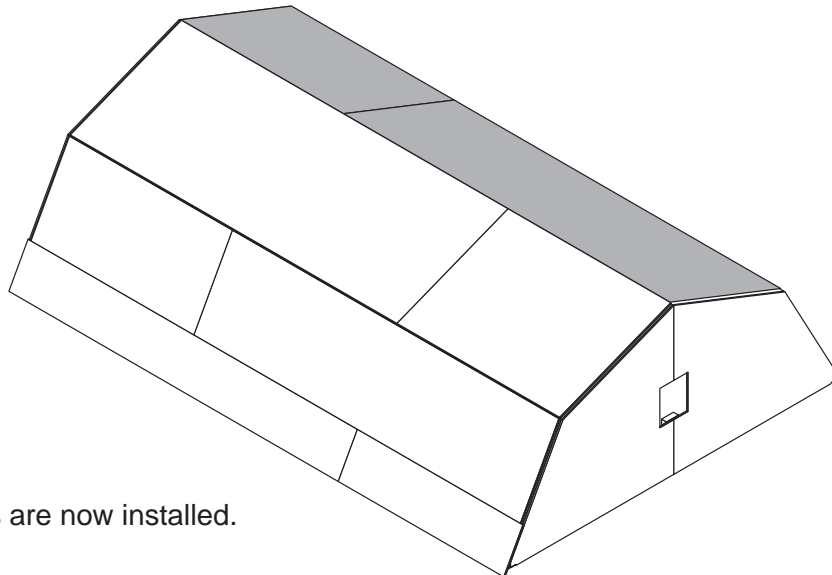
Your roof panels are now installed.

GABLE TRIM

PARTS REQUIRED:

x32 ⊨══════════════════════▷
2" (5,1 cm)

x4 ▭ OOL ⟋ 19/32" x 3-1/2" x 31-1/2" (5,1 x 8,9 x 80 cm)

x4 ⟍ OOR ▭ 19/32" x 3-1/2" x 31-1/2" (5,1 x 8,9 x 80 cm)

x4 ▭ TPB ▭ ◁⊝ 2 x 4 x 31-1/2" (5,1 x 10,2 x 80,0 cm)

x4 ⟍ MLP ⟋ 19/32" x 3-1/2" x 40-13/16" (5,1 x 8,9 x 103,7 cm)

x4 ▭ TAA ▭ ◁⊝ 2 x 4 x 40-13/16" (5,1 x 10,2 x 103,7 cm)
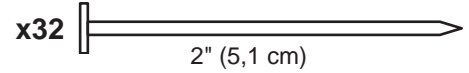
✓**BEGIN**

1 Place 19/32" parts primed side down on top of 2x4 parts.

Assemble all parts flush at corners.

Secure 19/32" parts to 2x4 parts using 2" nails evenly spaced.

Square Ends

Square Ends

OOL

OOR

MLP

MLP

2" (5,1 cm) Nails

19/32"

Primed side down

Primed side down

TPB

TPB

Flush

2x4

TAA

TAA
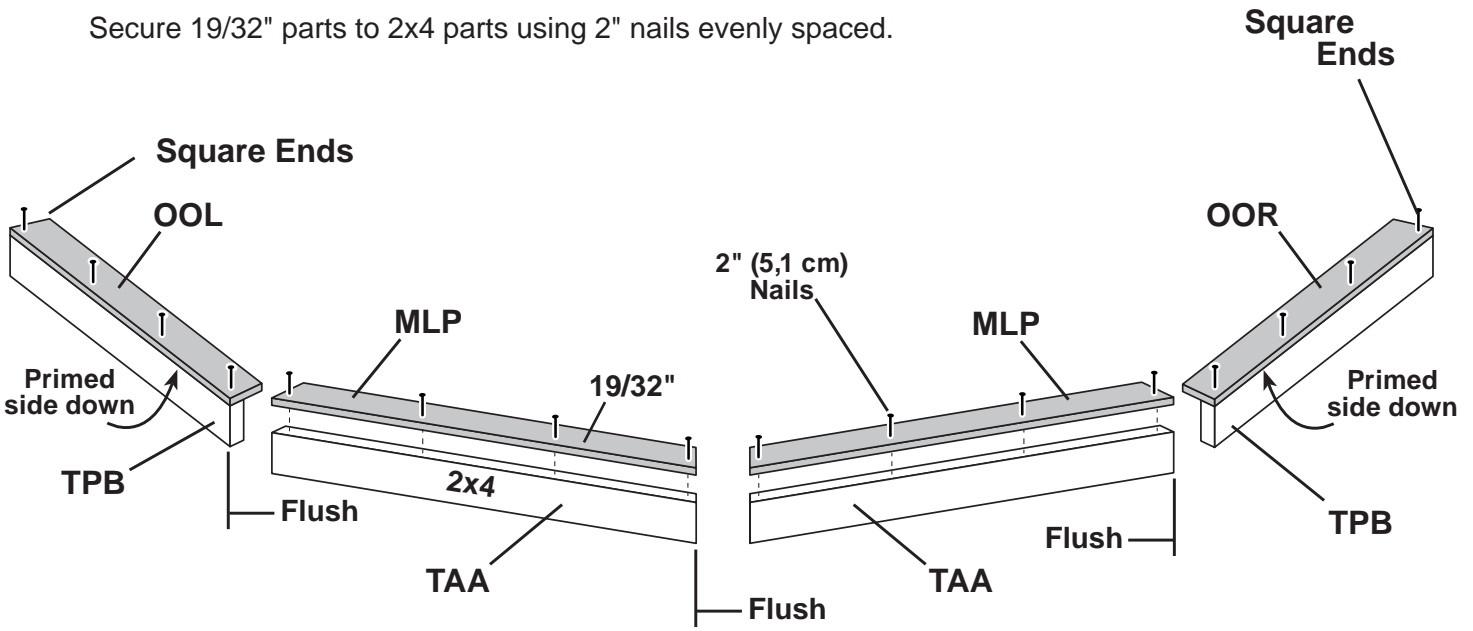
Flush

Flush

Repeat STEPS to assemble trim for opposite side.

🏁**FINISH**

Your gable trim pieces are now assembled.

GABLE TRIM

PARTS REQUIRED:

Pre-Assembled   Pre-Assembled

x32 2" (5,1 cm)
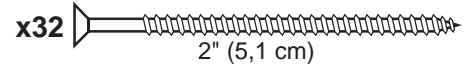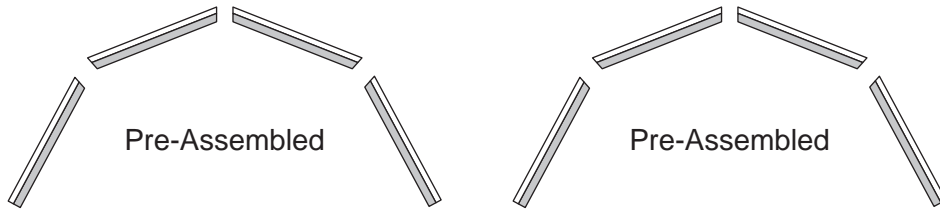
√ BEGIN

1 Install assembled gable trim pieces flush to roof panels **(Fig. A)**.
Secure gable pieces using 2" screws evenly spaced.

Flush with roof panels

Fig. A

Flush at peak

40-13/16"
(103,7 cm)

Flush

Flush at peak

Flush

Flush

31-1/2"
(80 cm)

2" (5,1 cm) Screws
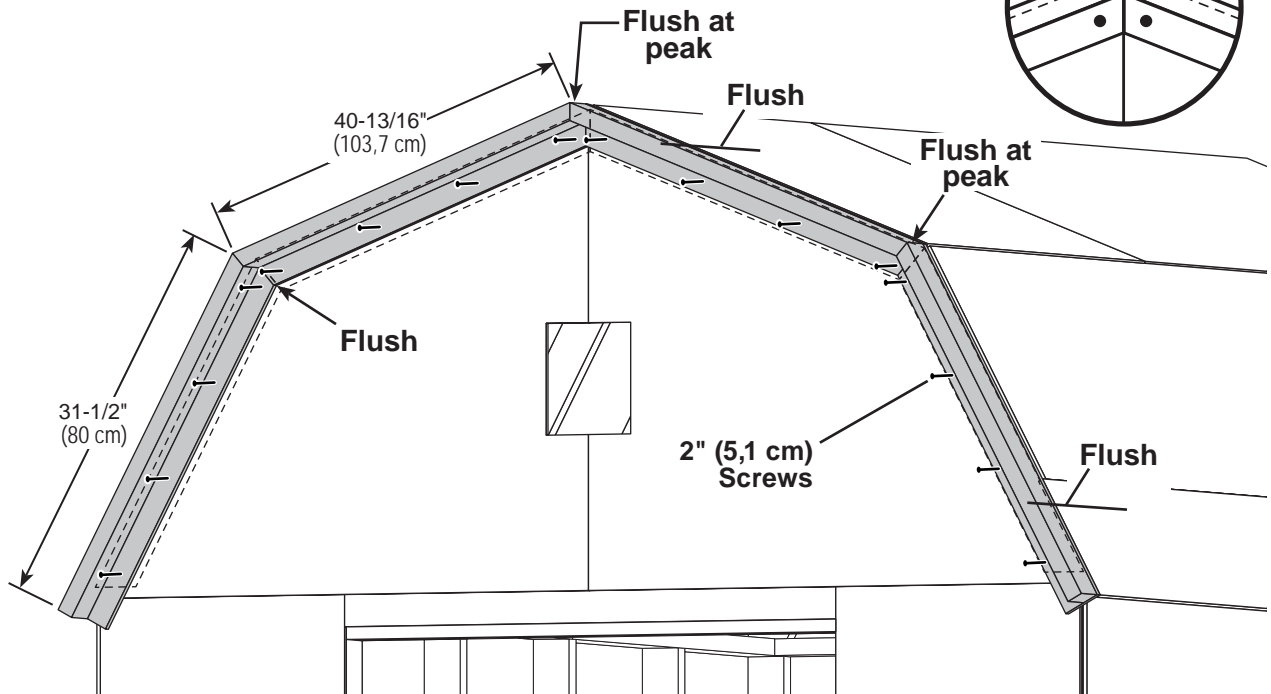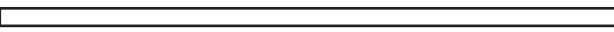
Repeat STEP 1 for opposite side of shed.

FINISH
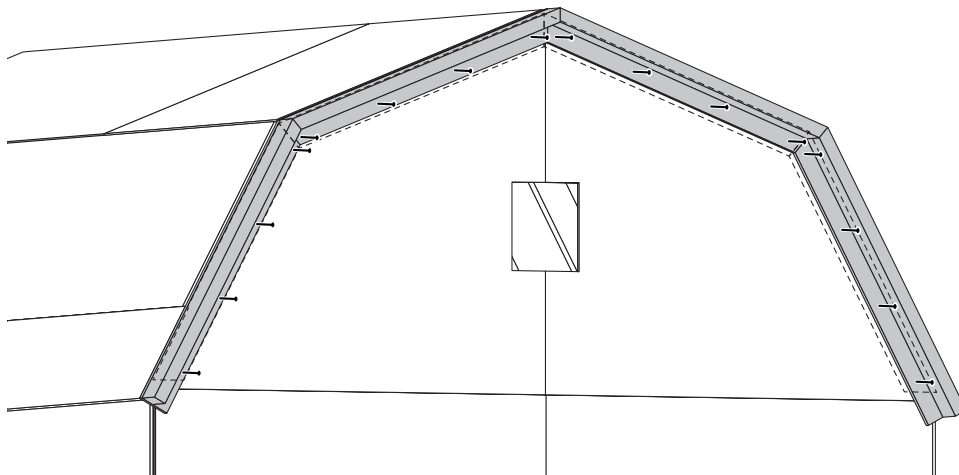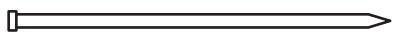
Your gable trim is now installed.

39

CORNER TRIM

PARTS REQUIRED:

x56 2" (5,1 cm)

x8 3/8 x 1-3/4 x 75-1/4" (1 x 4,4 x 191,1 cm)
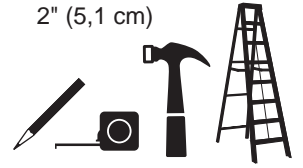
✓**BEGIN**

1 Install gable side **75-1/4"** corner trim under gable trim, flush to notch in gable panel **(Fig. A)** and flush to eave wall panels. Secure using 2" finish nails.

2 Install eave side **75-1/4"** corner trim flush to installed corner trim at top and flush along seam **(Fig. B)**. Secure using 2" finish nails.

Fig. A

Flush

Flush to gable panel

10-3/4"
(27,3 cm)

2" (5,1 cm) Finish Nails

Fig. B

Seam is flush. Caulk seam before painting trim.
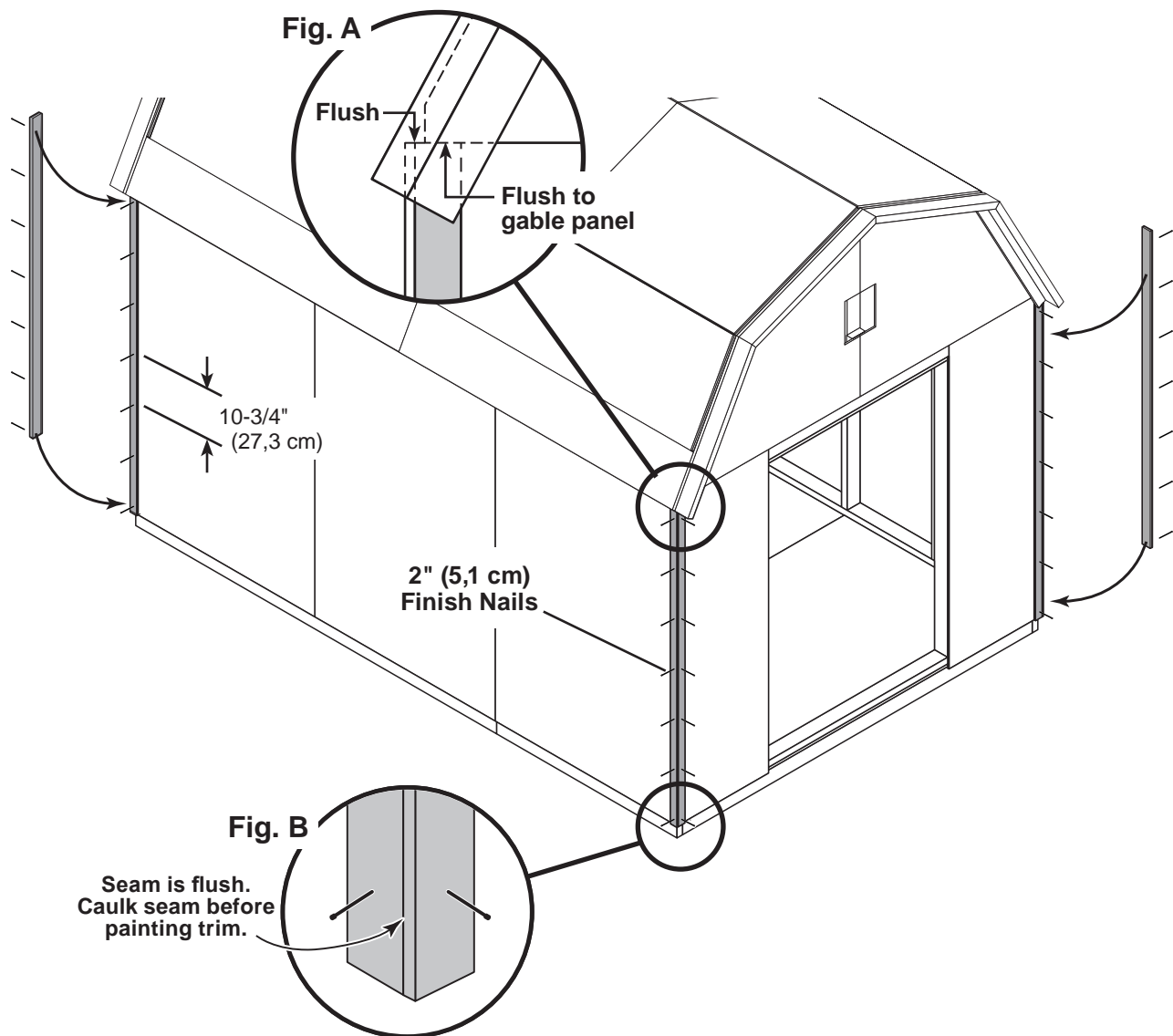
Repeat STEPS 1 - 2 for each corner of shed.

🏁**FINISH**

Your corner trim is now installed.

PARTS REQUIRED:

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

x2 — 1-1/4" (3,2 cm)

x4 — 3" (7,6 cm)

GAA
3/4"
GAUGE BLOCK

x1 Left Door x1 Right Door
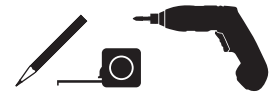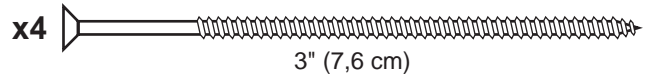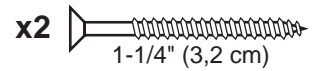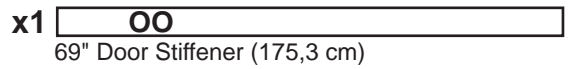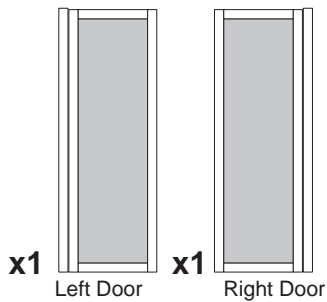
√**BEGIN**

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

Attach temporary support **OO** using 3" screws.
Attach temporary support **GAA** at bottom using 1-1/4" screws.

⚠
GREEN → | 3/8" (1 cm) | RED ⚠
3/8" (1 cm)
OFFSET
3/8" (1 cm)
OFFSET

OO

3" (7,6 cm)
Screws (x4)

GAA

1-1/4" (3 cm)
Screws

3/8" (1 cm)

Bottom edges Flush
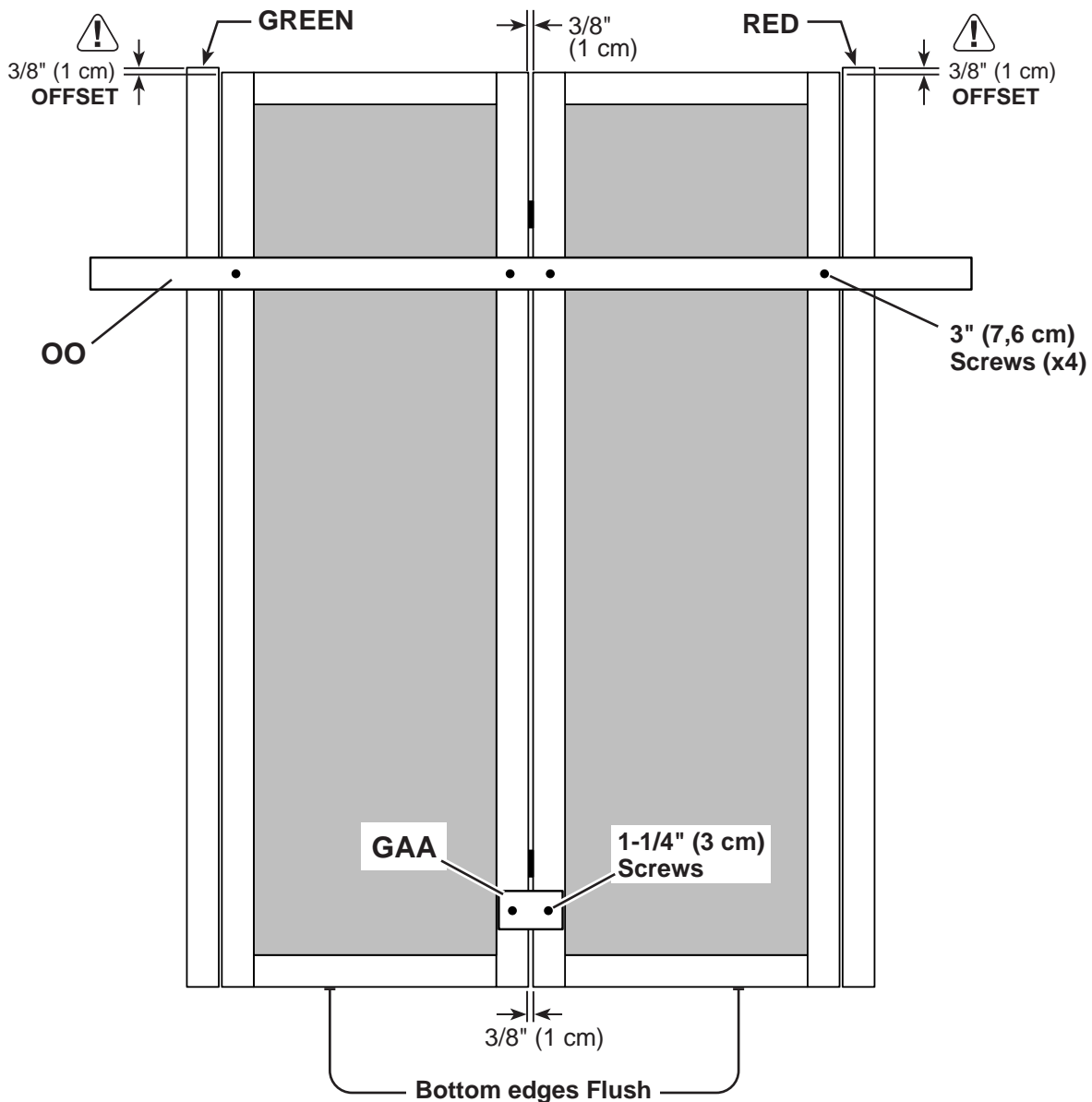
DOORS

PARTS REQUIRED:

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

x12 — 3" (7,6 cm)

√ **BEGIN**

1 Install temporary support **OO** flush under wall panels.
Secure **OO** using (2) 3" screws **(Fig. A)**.

Fig. A **OO**

Flush ⚠
against wall panels.

OO
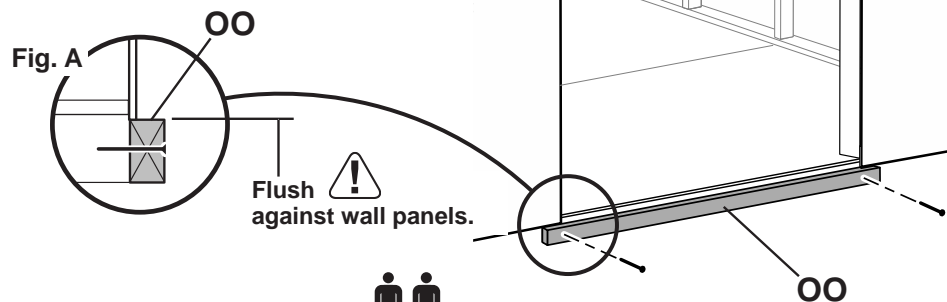
2 Center doors in door opening as shown **(Fig. B)**.
Screw hinge boards into wall supports and floor using (10) 3" screws as shown.

⚠ **Center in door opening**

Fig. B

3/8"
(1 cm)

3" (7,6 cm) Screws
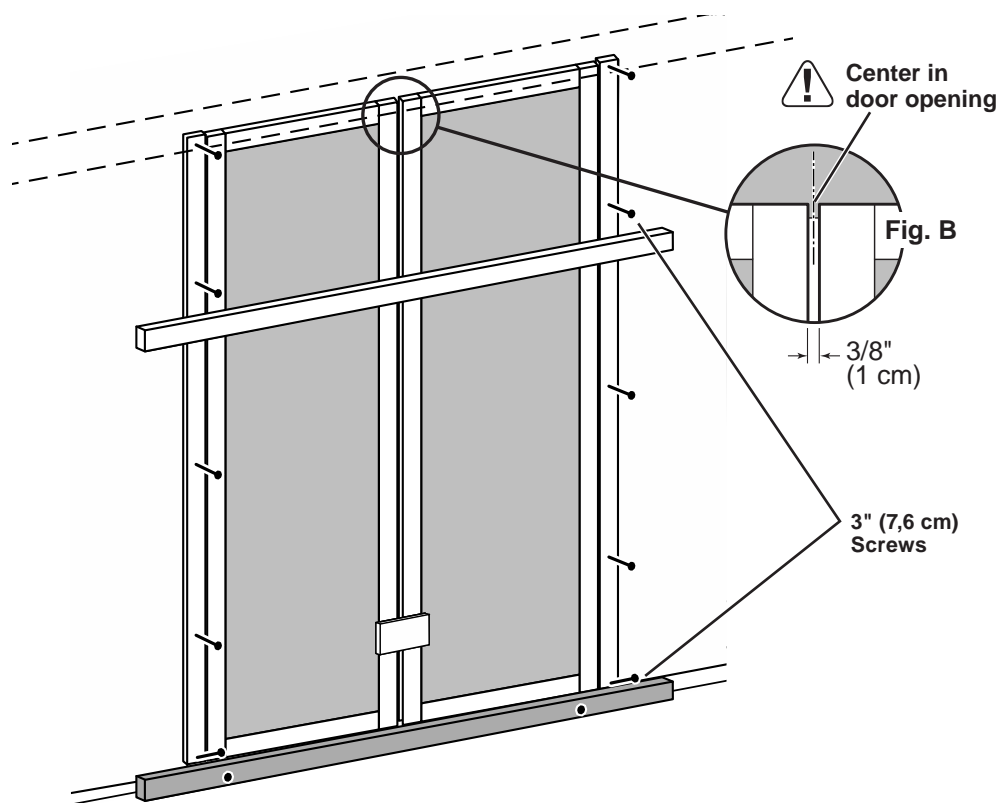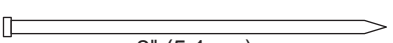
Remove temporary supports and check that the doors open properly.

DOOR TRIM

PARTS REQUIRED:

x2 EGB — 19/32" x 2-1/2 x 18-5/8" (1,5 x 6,3 x 47,3 cm)

x2 UWA — 19/32" x 2-1/2 x 32" (1,5 x 6,3 x 81,3 cm)

x1 ZB — 19/32" x 2-1/2 x 55" (1,5 x 6,3 x 139,7 cm)

x44 3/4" (1,9 cm)

x5 2" (5,1 cm)
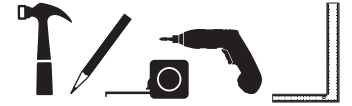
BEGIN

1 Secure door trim from inside using 3/4" screws as shown **(Fig. A)**.
Attach door trim **EGB** and **UWA** using 3/4" screws from inside of doors.

2 Reinforce the door trim using 3/4" screws through door panel into trim **(Fig. A)**.
Locate screws as shown **(Fig. B)**. Use (2) screws at seams.

2" (5,1 cm)
Finish Nails
x5

CENTER
ZB

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

Door
Panel

Fig. A

Hinge
Board

Door
Trim

EGB

3/4" (1,9 cm)
Screws

EGB

UWA

UWA

32"
(81,3 cm)

Fig. B

INSIDE
OF DOOR

EGB

CENTER CENTER

CENTER UWA
UWA

32"
(81,3 cm)
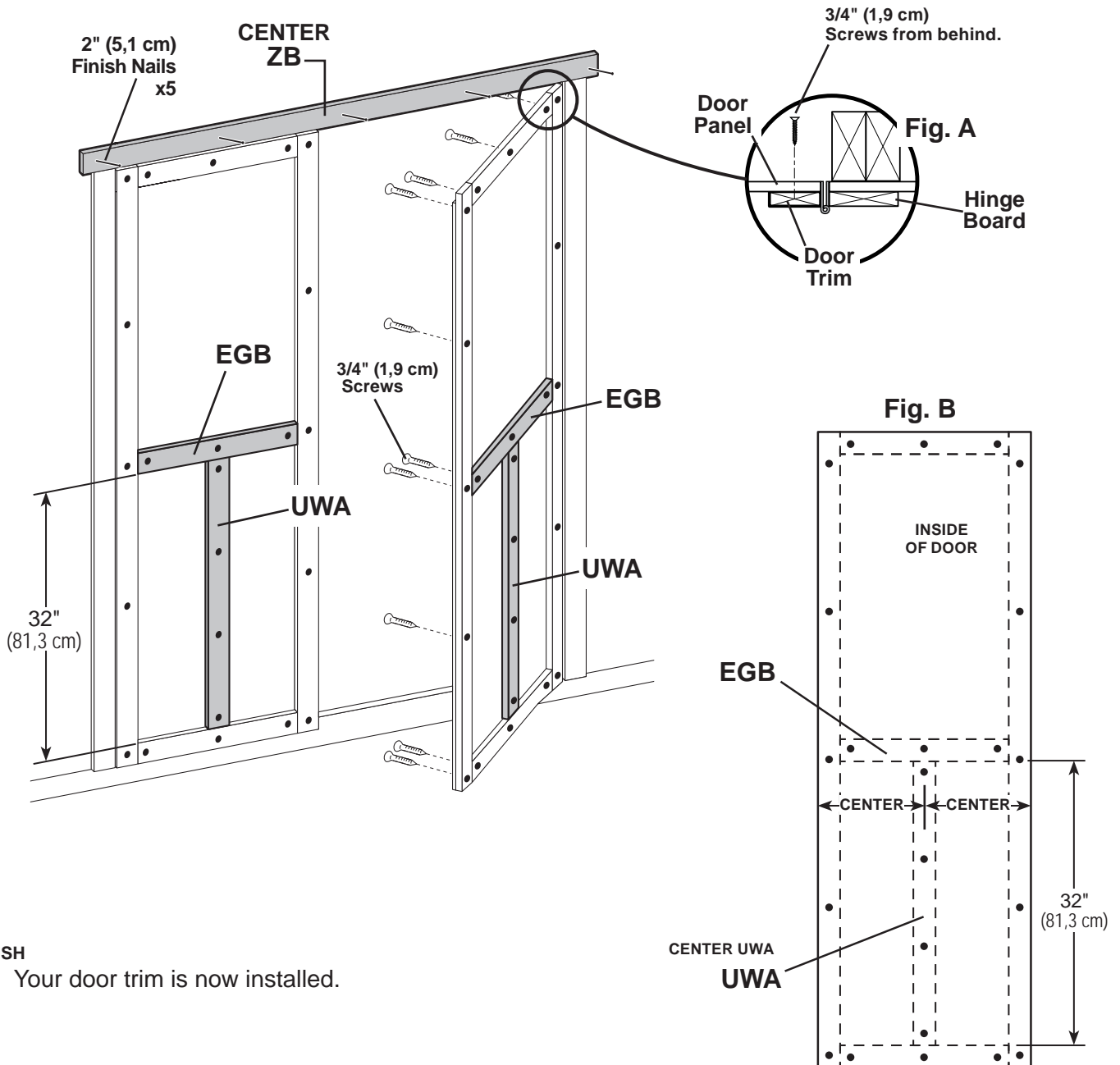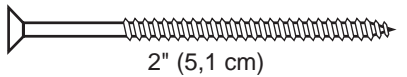
FINISH
Your door trim is now installed.

43

DOOR STIFFENERS

PARTS REQUIRED:

x14 ⟩〰〰〰〰〰〰〰〰〰〰〰〰
2" (5,1 cm)

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

✓**BEGIN**

1 Center **OO** vertically on the left door in the doorway **(Fig. A)** overlapping 1" (2,5 cm) along
the edge of door **(Fig. B)**.
Secure using (7) 2" screws through outside trim into **OO**.

2 Center **OO** vertically on the right door in the door opening offset 1" (2,5 cm) from
the edge of door **(Fig. B)**.
Secure using (7) 2" screws through outside trim into **OO**.

Fig. A

Center OO
in door
opening.

⚠
**IT IS
IMPORTANT
TO HOLD
THESE
DIMENSIONS**

Fig. B

1"
(2,5 cm)

OO x2

1"
(2,5 cm)
OFFSET

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

12" (30,5 cm)
Approximately

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

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

44
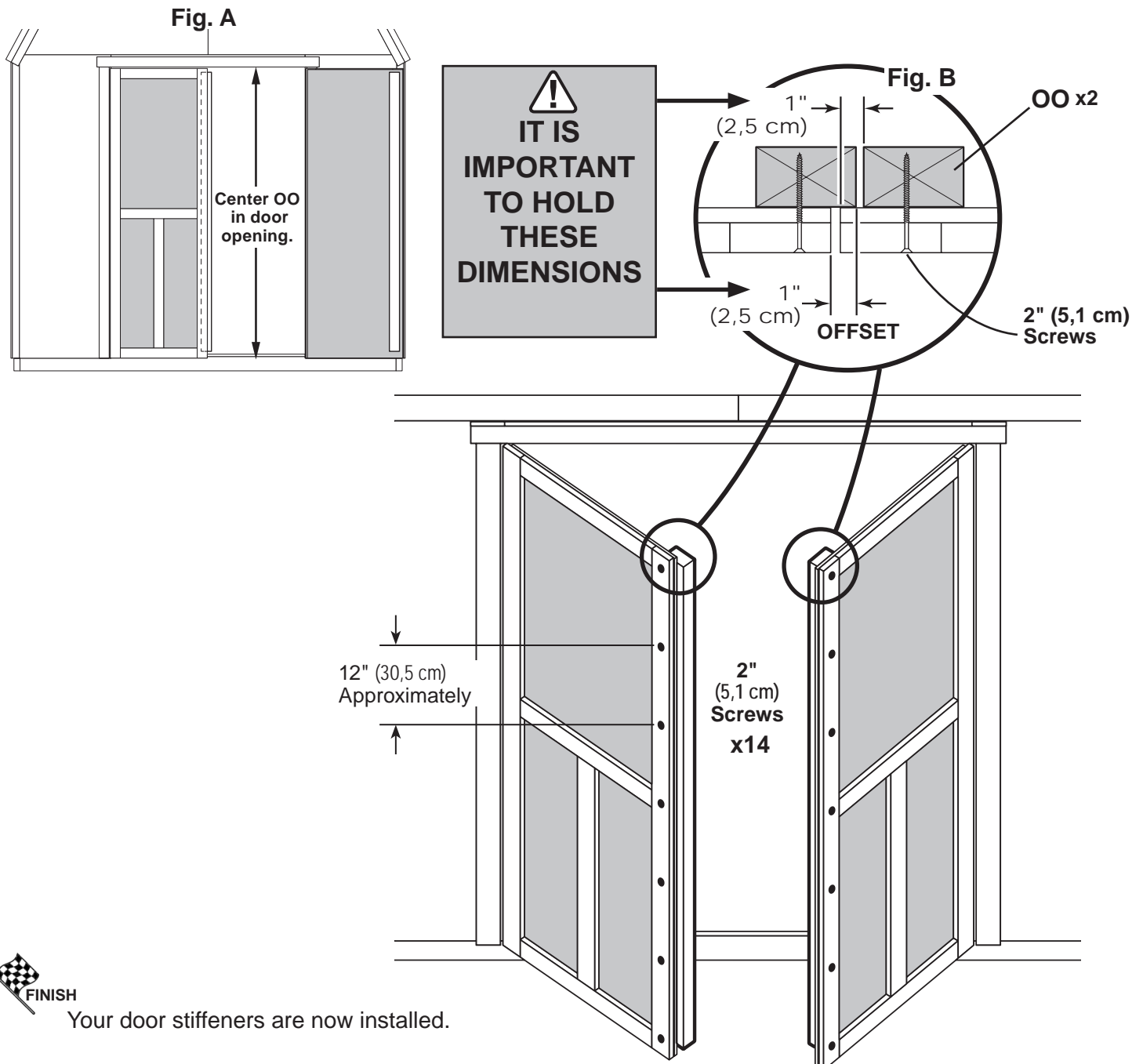
DOOR HARDWARE

PARTS REQUIRED:

x1
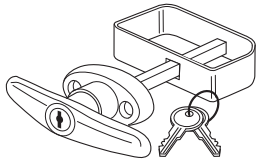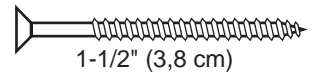
x2 1-1/2" (3,8 cm)

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

√**BEGIN**

1 Measure and mark position on right door as shown.

Pre-drill 1/4" hole at mark. Finish hole using 1/2" drill bit.

2 Position hardware in hole and secure using screws as shown.

**INSTALL ON
RIGHT DOOR.**

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

TOP VIEW

**1/4" Pre-drill and
1/2" Drill-through.**

35-3/4"
(90,8 cm)

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

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

Set Screw
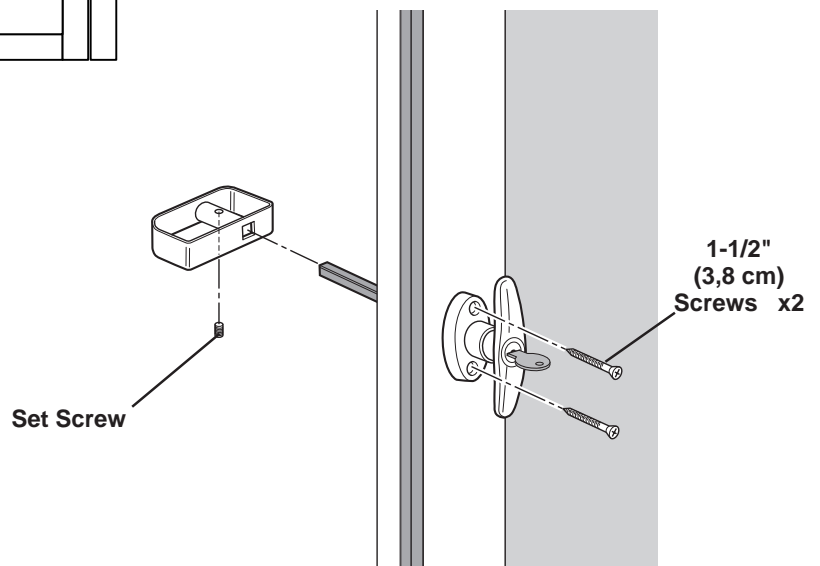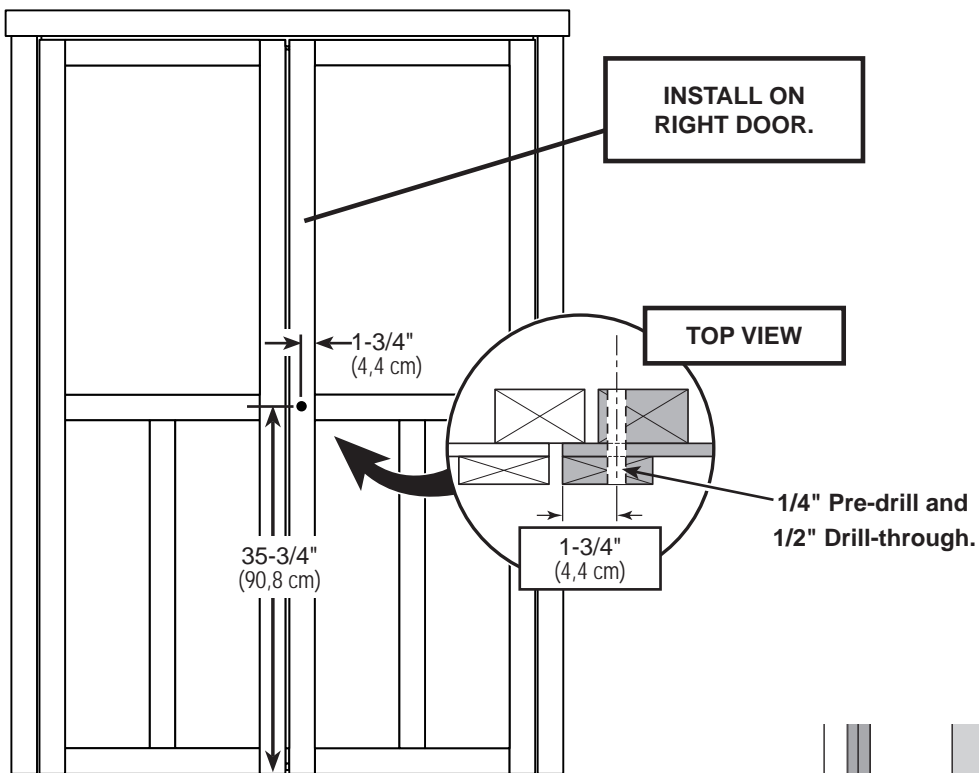
🏁**FINISH**

Your door handle is now installed.

DOOR HARDWARE

PARTS REQUIRED:

x2 x8 3/4" (1,9 cm) 5/16" (0,8 cm) Drill Bit
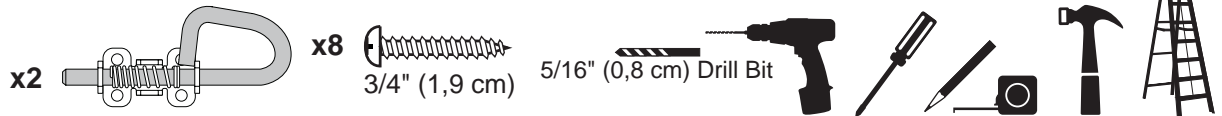
√ **BEGIN**

1 Place bolt onto **OO** in open position with bolt end 3/8" (0,8 cm) down from frame. Bolt is open when loop is contacting base **(Fig A)**.

2 Mark and pre-drill holes for screws. Install bolt using screws supplied.

Drill 5/16" (0,8 cm) hole deep enough for bolt to slide into.

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

4 Mark and pre-drill holes for screws. Install bolt using screws supplied.

Drill 5/16" (0,8 cm) hole deep enough for bolt to slide into.

HINT: With door closed extend bolt and tap with hammer to leave a mark in wood for drilling.

LEFT DOOR

Fig. A

OVER DOOR FRAME

5/16" (0,8 cm) drill for bolt 1" (2,5 cm) deep.

3/8" (0,8 cm) with bolt in open position.

OO

1" (2,5 cm) Screws

PRE-DRILL (4) HOLES Install 3/4" (1,9 cm) Screws

OPEN POSITION spring is loose.

Loop contacts base

Fig. B

Loop contacts base

OO

PRE-DRILL (4) HOLES Install 3/4" (1,9 cm) Screws

OPEN POSITION spring is loose.

FLOOR

1/2" (1,2 cm)

5/16" (0,8 cm) drill for bolt 1" (2,5 cm) deep.
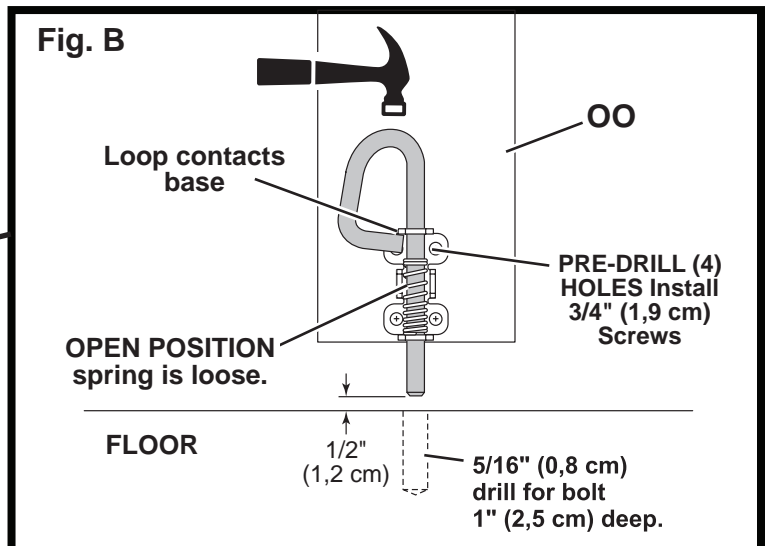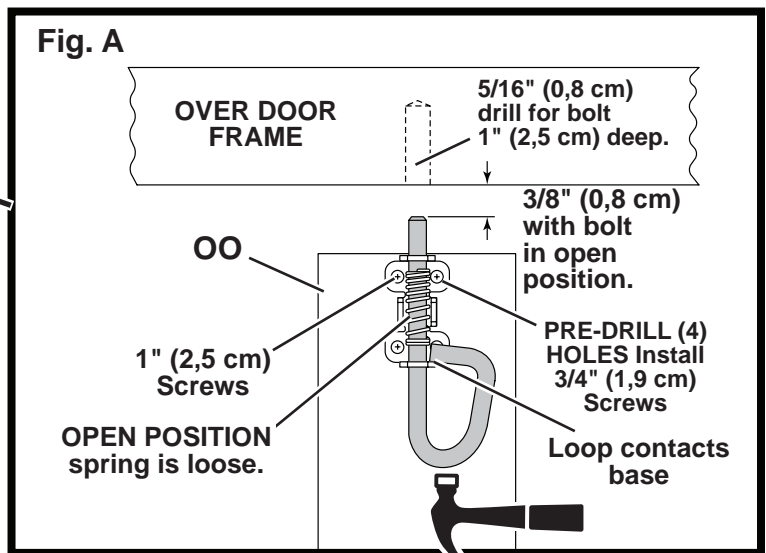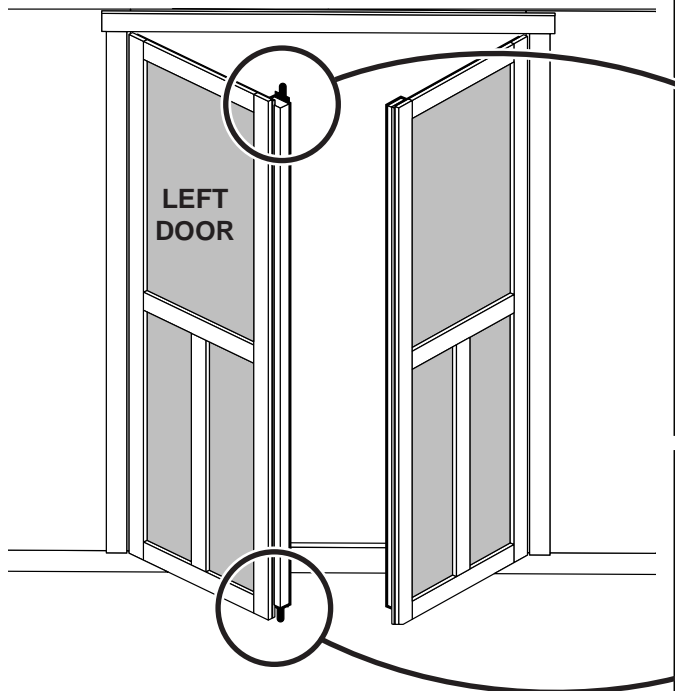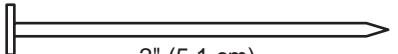
🏁 **FINISH**

Your spring bolts are now installed.

GABLE VENTS

PARTS REQUIRED:

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

x12 ⊨━━━━━━━━━━━
2" (5,1 cm)

√**BEGIN**

1 Position and level collar tie on 3rd and 5th rafters from gable.

💡 **HINT:** For best appearance install collar tie on rafter facing away from a doorway.
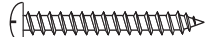
Secure collar ties using 2" nails as shown.

2" (5,1 cm)
Nails

WO

Flush

5th Rafter

LEVEL

Flush

WO

3rd Rafter

End Rafter
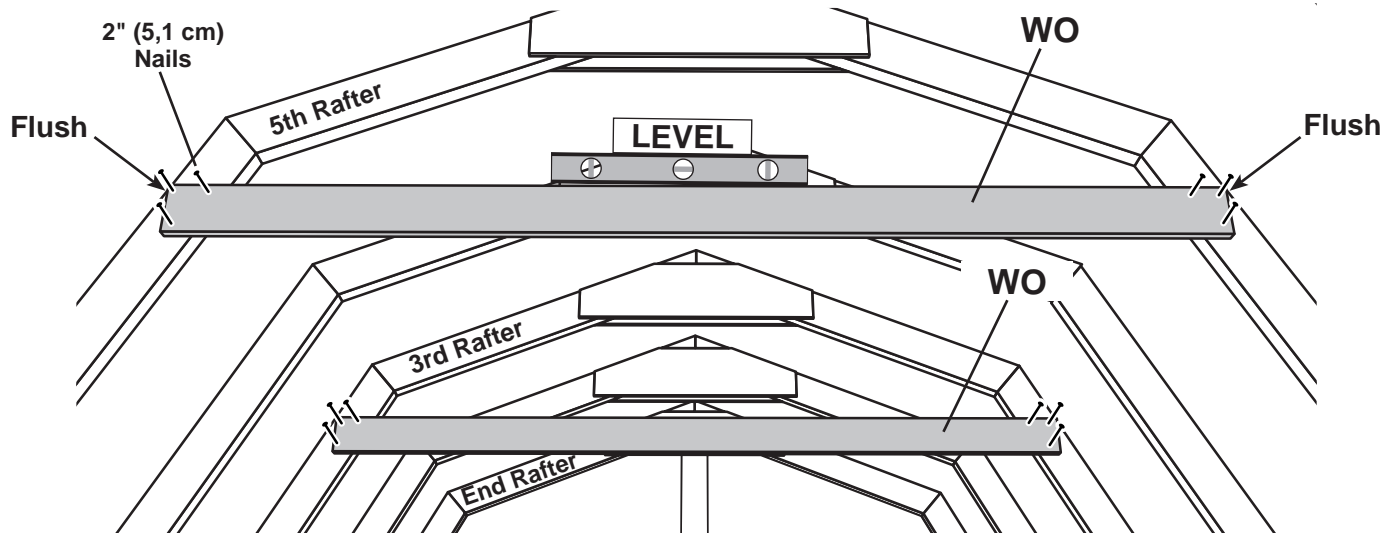
🏁**FINISH**
Your collar ties are now installed.

47

GABLE VENTS

PARTS REQUIRED:

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

x2
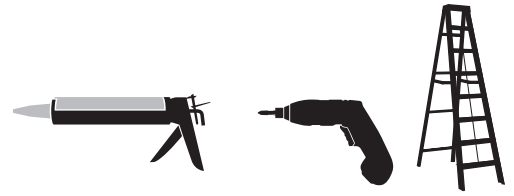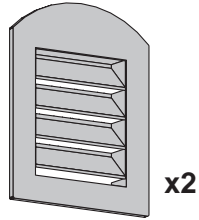
√BEGIN

1 Locate vent in each gable cap as shown.

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

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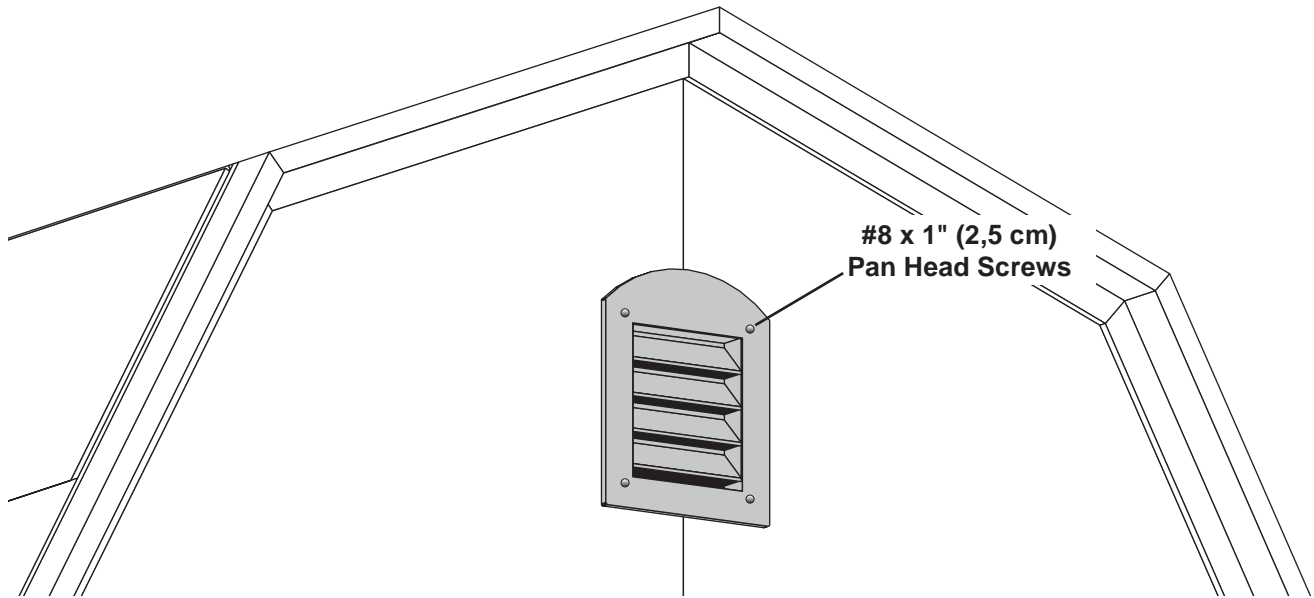
FINISH

Your gable vents are now installed.

PAINT & CAULK
- NOT INCLUDED -

PARTS REQUIRED:

- 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.)

Building Size	Building Paint	Trim Paint	Caulk
12 x 8' (365,8 x 244,8 cm)	2 Gallons	1 Quart	3 Tubes

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 (7,6 cm) OVERLAP

Flush

Flush
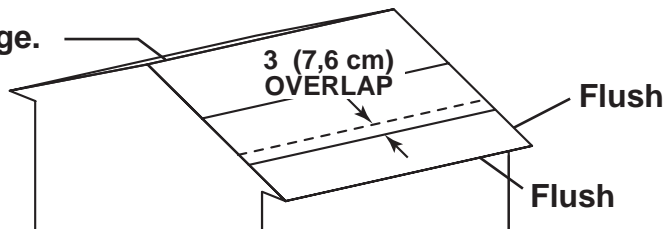
DRIP EDGE
- NOT INCLUDED -

- 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

Fig. A

Drip edge

Drip edge

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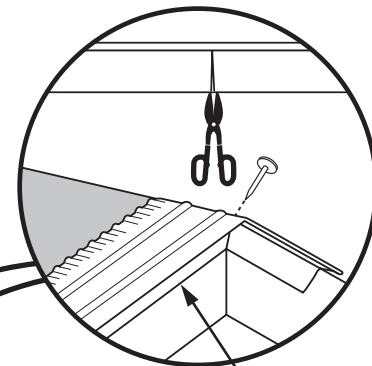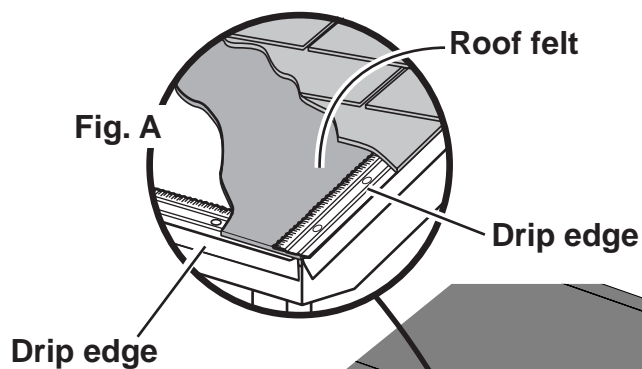
Snip bottom side of drip edge and bend over to other side of roof.

(Follow directions provided by manufacturer.)

Start here
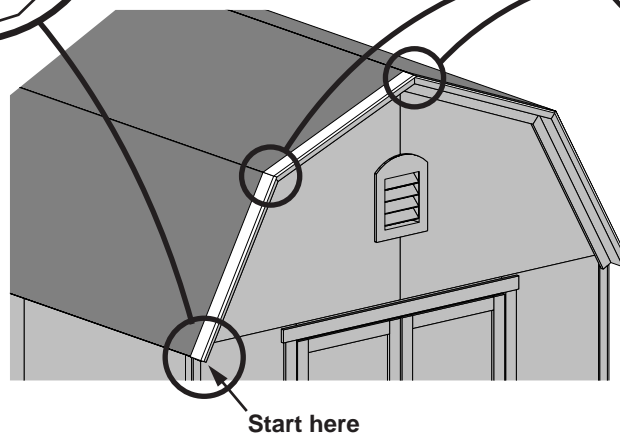
Building Size	Drip Edge
12 x 8' (365,8 x 244,8 cm)	50' (15,2 m)

SHINGLES
- NOT INCLUDED -

• Follow directions provided by manufacturer and these instructions.
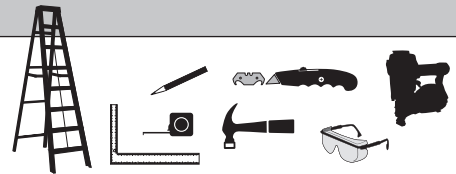
⚠ **Familiarize yourself with a 3-Tab Shingle.**

Notch   Notch

SHINGLE NAIL PATTERN

1"
(2,5cm)   1/2"
(1,3cm)   Sealing Str   1"
(2,5cm)

Half A Rain Slot

Full Rain Slot   NAILS
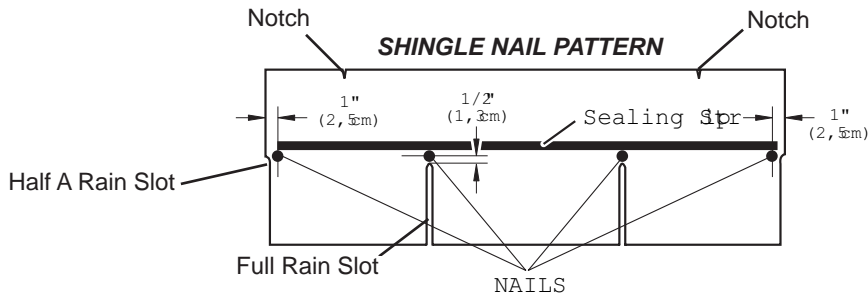
⚠ **NEVER DRIVE FASTENERS INTO OR ABOVE SEALING STRIPS.**

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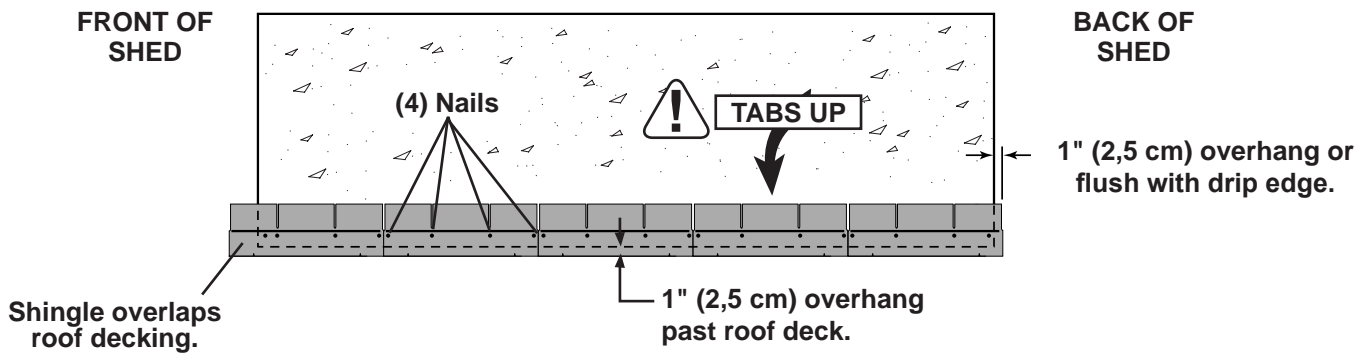
2 Beginning at front of shed, install first row of shingles with notch at 1" past roof edge or flush with drip edge.

Roof Deck

FRONT OF SHED   **BACK OF SHED**
1"
(2,5 cm)

Notch

Flush with starter row.

- or -

Drip Edge

Notch

Flush with starter row.

50
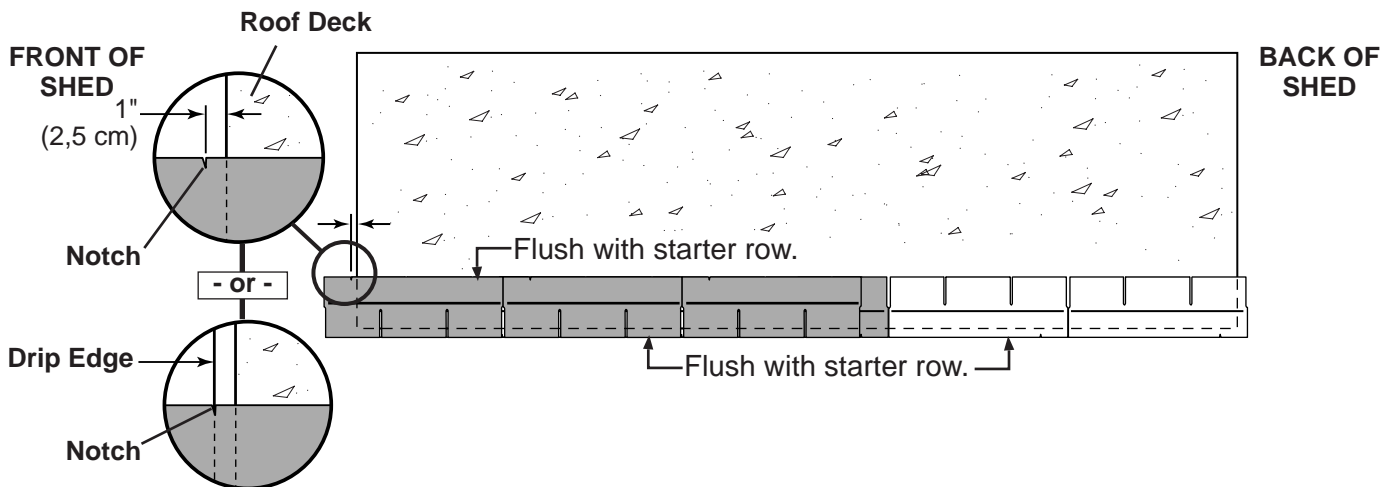
3 Install second row of shingles flush at top of first row's rain slots. Ensure 1" overhang or flush to drip edge at front, stagger each row.

FRONT OF SHED

BACK OF SHED

Bend in roof

1"
(2,5 cm)

Notch

Flush with rain slots.

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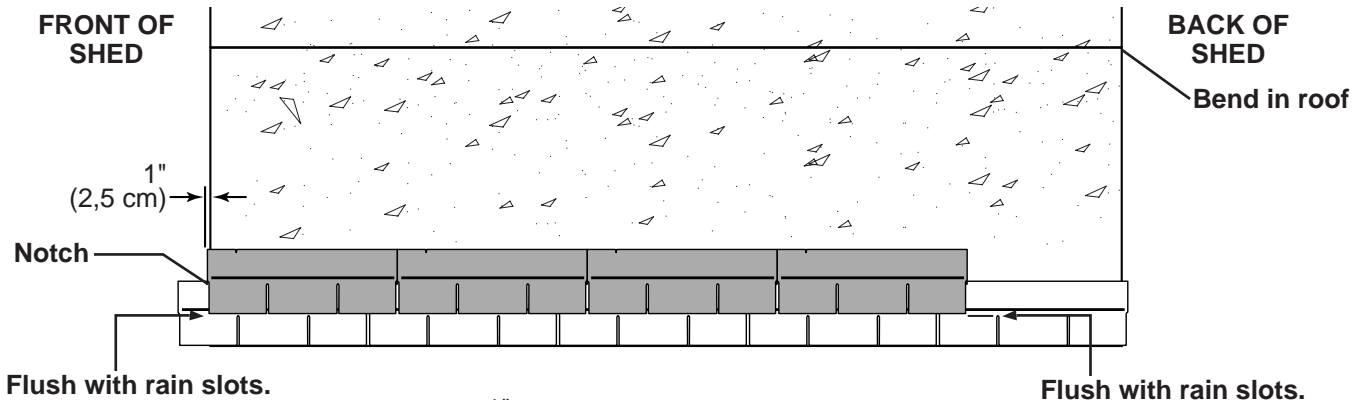
4 Continue installing rows of shingles by staggering at front.

1"
(2,5 cm)

FRONT OF SHED

Notch
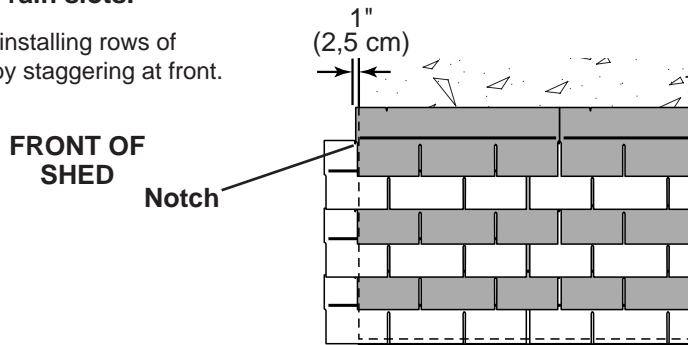
5 The shingle over the bend in the roof will be nailed down. You will need 3" to 4" of this shingle to extend downward over the bend for nailing.

Look for either of the following:
• If the rain slot of the shingle installed over the bend is ABOVE the bend and 3" to 4" of it overhangs down over the bend, continue shingling up to the peak. You have enough to nail shingle down over the bend.

FRONT OF SHED

Bend in roof

Rain slot above bend.

Flush to rain slot.

3" to 4"
(7,6 cm to 10 cm)

- OR -
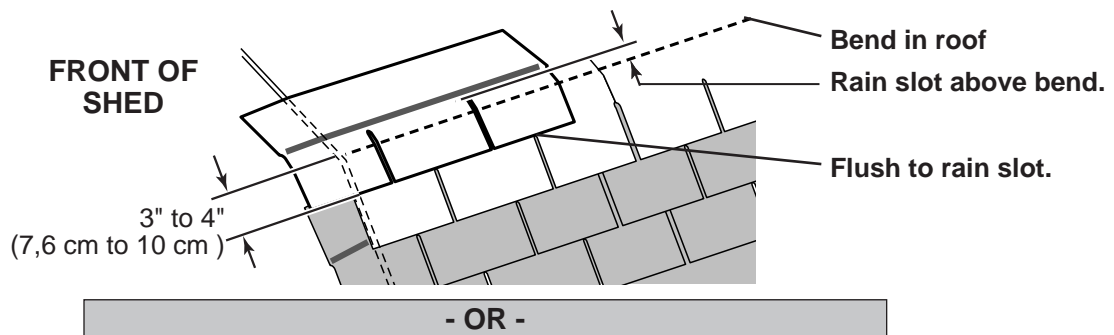
• If the rain slot of the shingle installed over the bend is BELOW the bend, install the shingle over the bend and overlap the rain slot to get the 3" to 4" overlap.

FRONT OF SHED

Bend in roof

Rain slot above bend

Overlap rain slot
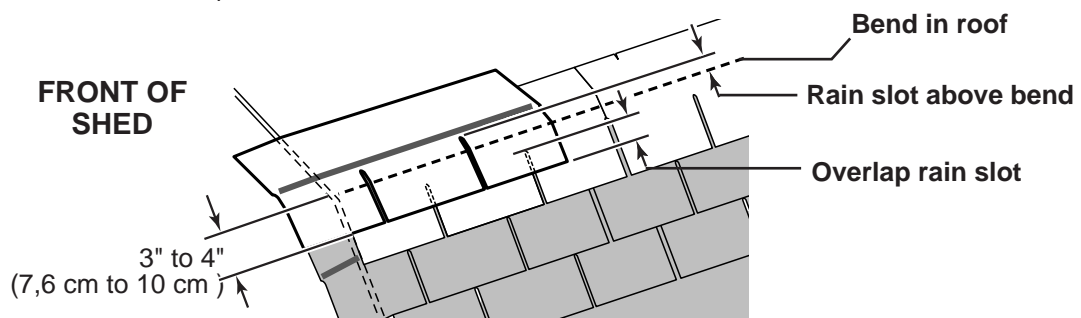
3" to 4"
(7,6 cm to 10 cm)

⚠ The shingle OVER the bend must be installed with a 3" to 4" overlap **AND** the rain slot above the bend.

51

6 After shingles are installed over bend, nail down overlap using two roofing nails per tab.

(2) Nails per tab.
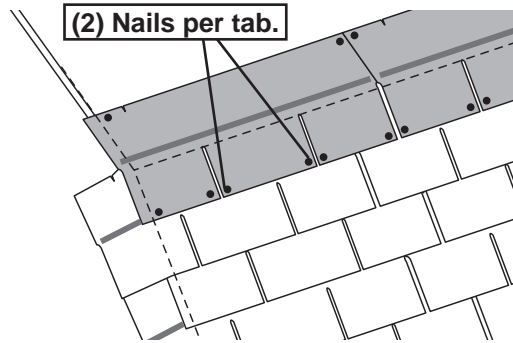
7 Continue installing rows of shingles to the peak. At the peak make sure there is a maximum of 5" or less to the rain slot, as shown below. If shingles overlap at ridge cut to peak using a utility knife.

5"
(12,7 cm) MAX.

Cut Off.

Top of rain slot.

CUT

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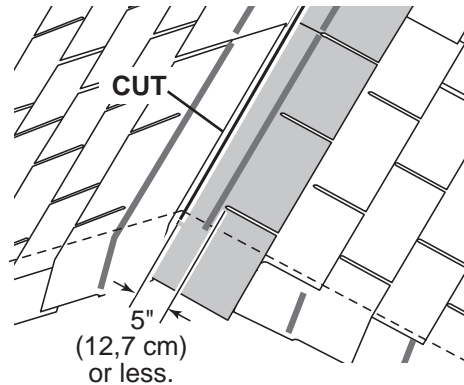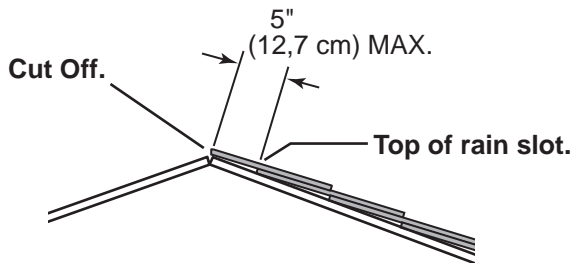
⚠ **• If more than 5" to rain slot you must install another row of shingles.**

8 Repeat steps 1 - 7 to shingle the opposite side of your roof. Trim shingles at ridge.

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

10 Using your shingle hooked blade carefully cut shingles along chalk line.
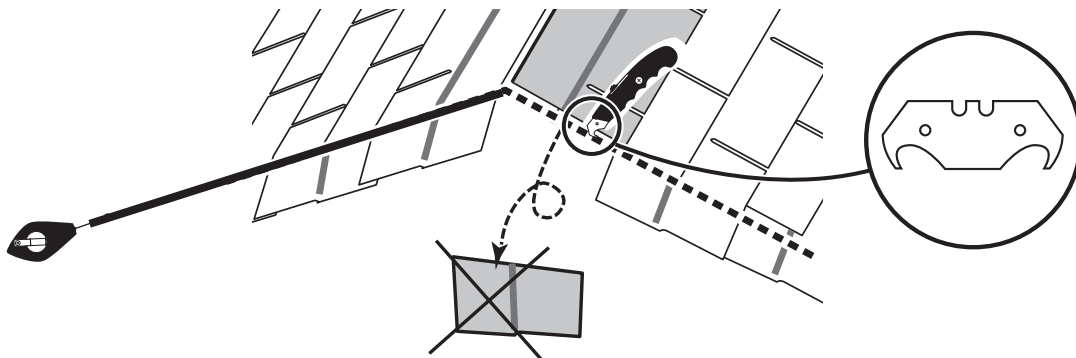
🏁
You have finished shingling your roof. Proceed to capping the ridge.

• 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"
(5,1 cm)

2"
(5,1 cm)

2"
(5,1 cm)

2"
(5,1 cm)

2"
(5,1 cm)

2"
(5,1 cm)

**Score shingle,
then snap-off angled cut.**

Weather Seal

Top of slot.
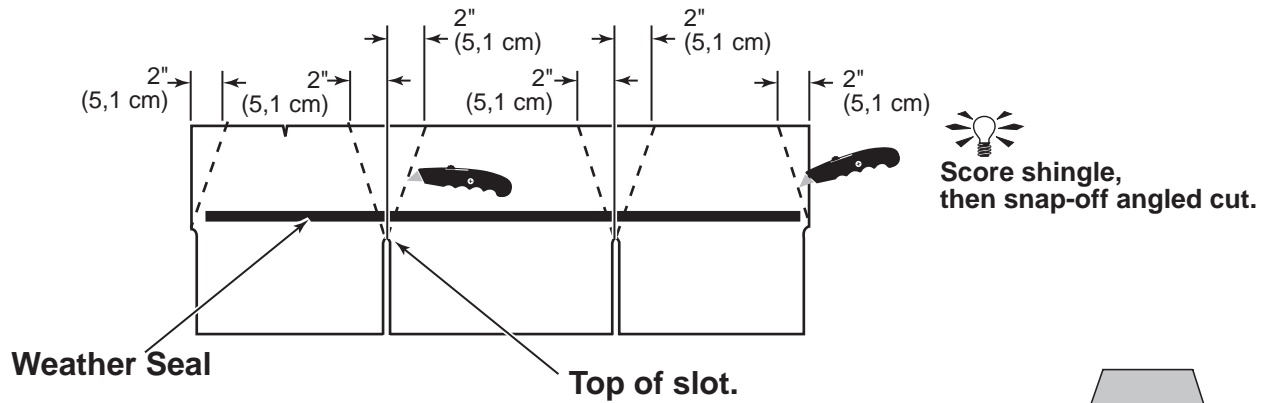
Note: • You will need about 28-30 cut pieces.

**30 to 32
Pieces**

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

(1) Nail per side through weather seal.

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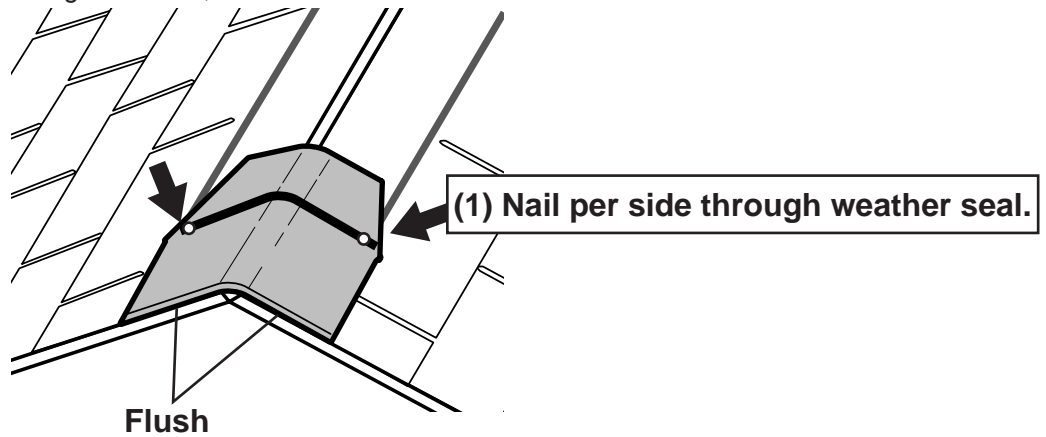
3 Install second ridge cap 5" back, as shown.

(1) Nail per side through weather seal.

5"
(12,7 cm)
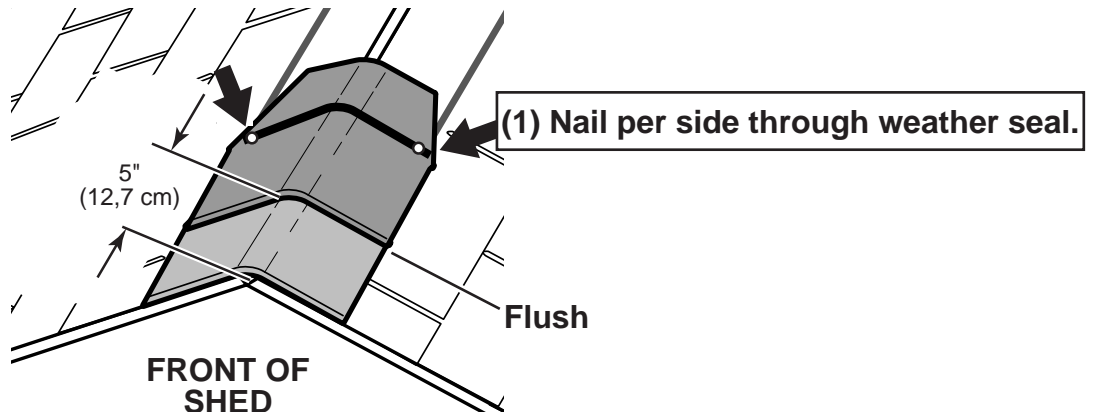
Flush

**FRONT OF
SHED**

4 Continue installing ridge cap to back of roof.
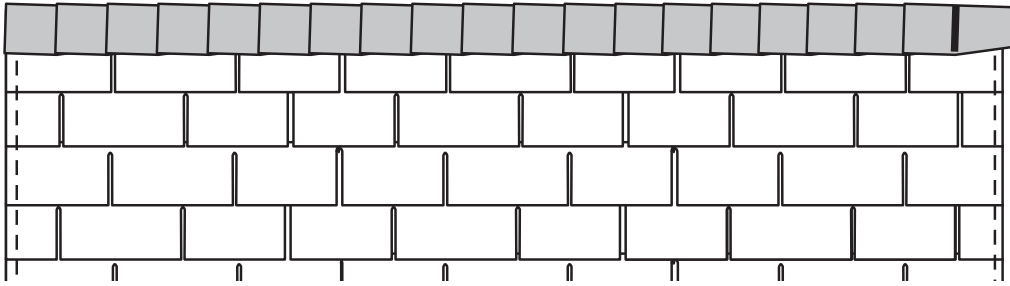
5 Make sure there is 4" (10,2 cm) between the shingle-color and edge of shingles.

4"
(10,2 cm)

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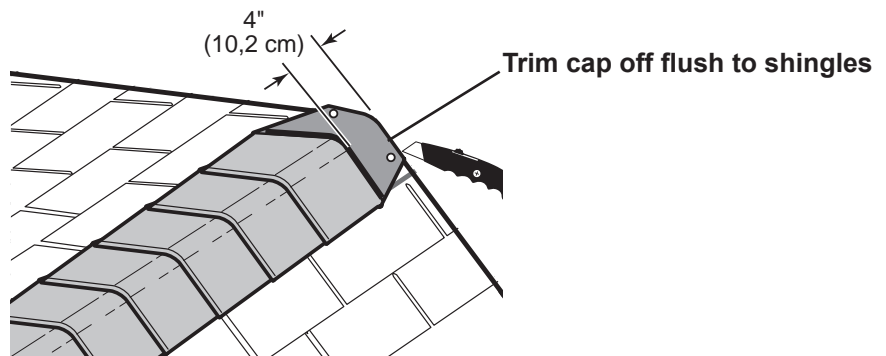
6 When you have 4" minimum of shingle color cut one piece to cap your roof.

Cut at top of rain slot.

Cap
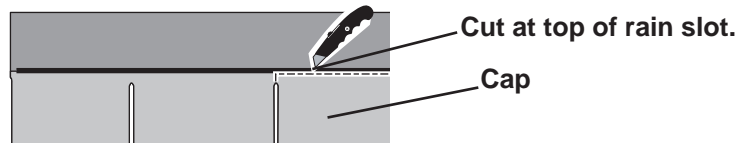
7 Install flush to shingles.

Flush to shingles

(2) Nails per side.
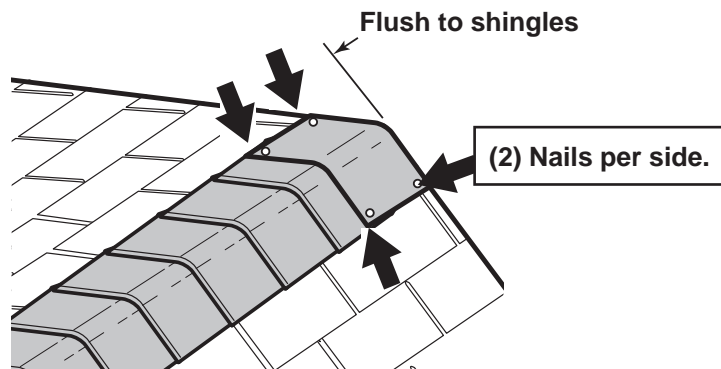
FINISH

You have finished your ridge cap.

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 15 years.
5.	LP Prostruct® Flooring is warranted for 10 years
6.	Cedar lumber is warranted for 15 years.
7.	Preserved Pine is warranted for 10 years.
8.	Redwood is warranted for 10 years.
9.	Metal Roof is warranted for 25 years.

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

CONDITIONS

The warranty is effective only when:

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

REQUIREMENTS

Storage Buildings

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

Gazebos & Pergolas

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

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

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

CLAIM PROCEDURE

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

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

All other inquiries can be mailed to:
	Backyard Storage Solutions, LLC
	Attn: Customer Service
	1000 Ternes
	Monroe, MI 48162

*WARRANTY TERMS MAY VARY OUTSIDE THE U.S.A.
IMPORTANT: This is your warranty certificate. 15Y PSS BB GEN LDR: 3/20/2019