

16820



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DO NOT RETURN TO STORE.

**For immediate help with assembly or product information
call our toll-free number:**

1-800-577-9663

or email:

customerservice@backyardproductsllc.com

Our staff is ready to provide assistance.

April through October M - F 8:00 AM to 8:00 PM EST

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THE BACKYARD STORAGE EXPERTS
A Backyard Products Company

ASSEMBLY MANUAL

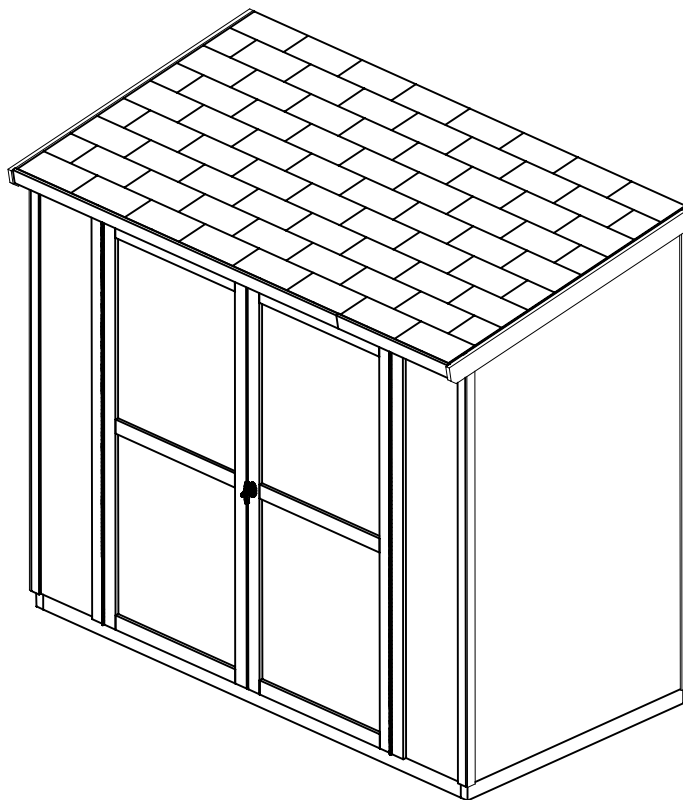
16820

12/3/2013

SCOTTSDALE 8' x 4' (243,8 x 121,9 cm)

Includes 8' x 4' Building and Floor Frame Instruction

KEEP THIS MANUAL FOR FUTURE REFERENCE



IMPORTANT! READ INSTRUCTIONS THOROUGHLY PRIOR TO BEGINNING ASSEMBLY.



BEFORE YOU BEGIN

- **BUILDING RESTRICTIONS AND APPROVALS**

Be sure to check local building department and homeowners association for specific restrictions and/or requirements before building.

- **ENGINEERED DRAWINGS**

Contact our Customer Service Team if engineered drawings are needed to pull local permits.

- **SURFACE PREPARATION**

To ensure proper assembly you must build your shed on a level surface. Recommended methods and materials to level your shed are listed on page 7.

- **CHECK ALL PARTS**

Inventory all parts listed on pages 4-6. Contact our Customer Service Team if any parts are missing or damaged.

- **ADDITIONAL MATERIALS**






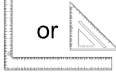


You will need additional materials to complete your shed. See page 3 for required and optional materials and quantities.







- CUSTOMER SERVICE -

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

TOOLS

Required

- Phillips Screwdriver 
- Drill / Driver
 - Drill Bit
 - #2 philips Drive Bit
- Hammer 
- Pencil 
- Tape Measure 
- Square  or 
- Level 

- Chalk Line 
- Utility Knife
 - Shingle Blades 
- Caulk Gun 
- Exterior rated Wood Glue 
- Ladder 
- Paint Tools 

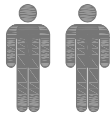
Optional

- 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; two or more people.



= Mark part with pencil.



= Ensure squareness.



BEGIN = Beginning of steps for assembly or installation.



= Important required step or operation.



= Level

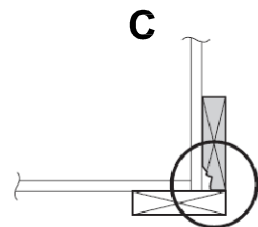
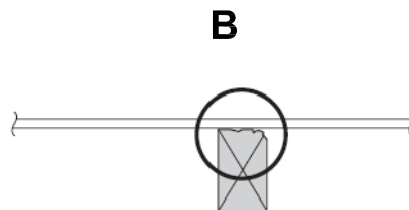
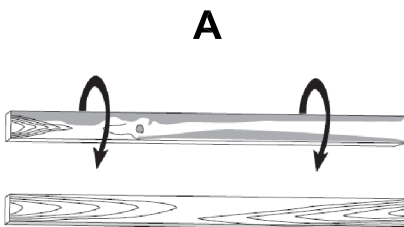


= Helpful assembly hint.

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.)



ADDITIONAL MATERIALS

FOUNDATION OR FLOOR MATERIALS

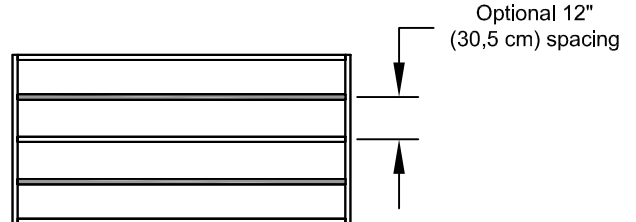
- This shed kit includes a complete wood floor frame system. It does not include the floor panel.
- It does not include ANY leveling materials.
- See the **FLOOR LEVELING** section on page 7 for recommended methods and suggested materials to properly level your floor, as this will vary depending on your specific site.

REINFORCED WOOD FLOOR FRAME (OPTIONAL)

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

- x2** 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

- x4** ea. 3" (7,6 cm) hot dipped galvanized nails



FLOOR PANEL (NOT INCLUDED)

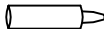


- x1**
5/8 x 48 x 96"
(1,6 x 121,9 x 243,8 cm)

Recommend Floor panels are minimum 5/8" (1,1 cm) thick.

COMPLETING YOUR SHED

You will need these additional materials:

- | | |
|---|---|
| <input type="checkbox"/> 3-TAB SHINGLES2 Bundles | <input type="checkbox"/> 1" GALVANIZED ROOFING NAILS ...1LBS
For Shingles. |
| <input type="checkbox"/> PAINT FOR SIDING1 Gallon
Use 100% acrylic latex exterior paint. (2) coats recommended. | <input type="checkbox"/> PAINT FOR TRIM1 Quart
Use 100% acrylic latex exterior paint. |
| <input type="checkbox"/> CAULK1 Tubes
Use acrylic latex exterior caulk that is paintable.  | <input type="checkbox"/> WOOD GLUEExterior Rated |

OPTIONAL MATERIALS

- | | |
|--|--|
| <input type="checkbox"/> DRIP EDGE30 Feet | <input type="checkbox"/> #15 ROOFING FELT
To cover 38 Sq. Ft. of roof area |
| | <input type="checkbox"/> 1" GALVANIZED ROOFING NAILS ...1/4 Lb
For roofing felt. |

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

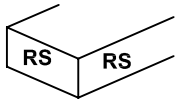
PARTS IDENTIFICATION AND SIZES

Part Identification is stamped on some parts.

Treated lumber is stamped:

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)



TREATED

- Check these locations for Part stamps

PARTS LIST

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

FLOOR

- X2 **TREATED** 2 x 4 x 48" (5,1 x 10,2 x 121,9 cm) Treated lumber is stamped: **TREATED**
- X3 **TREATED** 2 x 4 x 93" (5,1 x 10,2 x 236,2 cm)

ROOF

- X5 **TNA** 2 x 4 x 48-11/16" (5,1 x 10,2 x 123,7 cm)

WALLS

- X2 **RK** 2 x 3 x 13" (5,1 x 7,6 x 33 cm)
- X2 **LK** 2 x 3 x 16" (5,1 x 7,6 x 40,6 cm)
- X4 **OMA** 2 x 3 x 43" (5,1 x 7,6 x 109,2 cm)
- X2 **OT** 2 x 3 x 68" (5,1 x 7,6 x 172,7 cm)
- X2 **PDA** 2 x 3 x 71-1/4" (5,1 x 10,2 x 104,8 cm)
- X5 **PCA** 2 x 3 x 76-1/16" (5,1 x 7,6 x 193,2 cm)
- X2 **PT** 2 x 3 x 96" (5,1 x 7,6 x 243,8 cm)
- X2 **TPA** 1-1/4 x 3-1/4 x 93" (3,2 x 8,3 x 236,2 cm)

TRIM

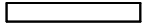
- X1 **RLZ** 2 x 4 x 24-3/4" (5,1 x 10,2 x 62,9 cm)
- X1 **TM** 2 x 4 x 72" (5,1 x 10,2 x 182,9 cm)
- X1 **CYZ** 19/32 x 2-1/2 x 24-3/4" (1,5 x 6,4 x 62,9 cm)
- X1 **ZJ** 19/32 x 2-1/2 x 72" (1,5 x 6,4 x 182,9 cm)
- X1 **YSR** 19/32 x 3-1/2 x 54-9/16" (1,5 x 8,9 x 138,6 cm)
- X1 **YSL** 19/32 x 3-1/2 x 54-9/16" (1,5 x 8,9 x 138,6 cm)
- X1 3/8 x 1-3/4 x 73-1/8" (1 x 4,4 x 185,7 cm)
- X1 3/8 x 1-3/4 x 73-1/8" (1 x 4,4 x 185,7 cm)
- X2 3/8 x 1-3/4 x 74-7/16" (1 x 4,4 x 189,1 cm)
- X1 3/8 x 1-3/4 x 81-1/8" (1 x 4,4 x 206,1 cm)
- X1 3/8 x 1-3/4 x 81-1/8" (1 x 4,4 x 206,1 cm)
- X2 3/8 x 1-3/4 x 84" (1 x 4,4 x 213,4 cm)
- X1 3/8 x 2-1/4 x 70-1/4" (1 x 5,7 x 178,4 cm)
- X2 3/8 x 2-1/4 x 93-1/4" (1 x 5,7 x 236,9 cm)

DOOR

- X2 **OO** 2 x 3 x 69" (5,1 x 7,6 x 175,3 cm)

WALL PANEL & DOOR PARTS LIST

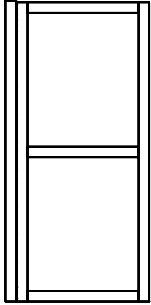
NOTE: Panel parts are not stamped with part identification.



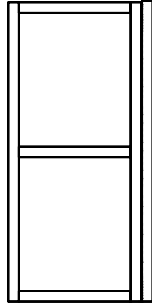
x2
 $3/8 \times 4-1/4 \times 31-15/16"$
 $(1 \times 10,8 \times 81,1 \text{ cm})$



x2
 $3/8 \times 15-7/8 \times 76"$
 $(1 \times 40,3 \times 193 \text{ cm})$



x1
LEFT DOOR



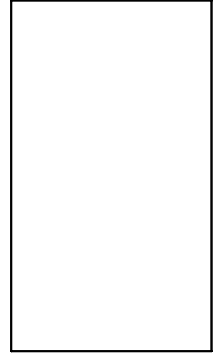
x1
RIGHT DOOR



x1
 $3/8 \times 48 \times 84"$
 $(1 \times 121,9 \times 213,3 \text{ cm})$



x1
 $3/8 \times 48 \times 84"$
 $(1 \times 121,9 \times 213,3 \text{ cm})$

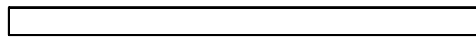


x2
 $3/8 \times 48 \times 84"$
 $(1 \times 121,9 \times 213,3 \text{ cm})$

ROOF PANELS



x1
 $7/16 \times 48 \times 96"$
 $(1,1 \times 121,9 \times 243,8 \text{ cm})$



x1
 $7/16 \times 5-1/2 \times 96"$
 $(1,1 \times 14 \times 243,8 \text{ cm})$

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

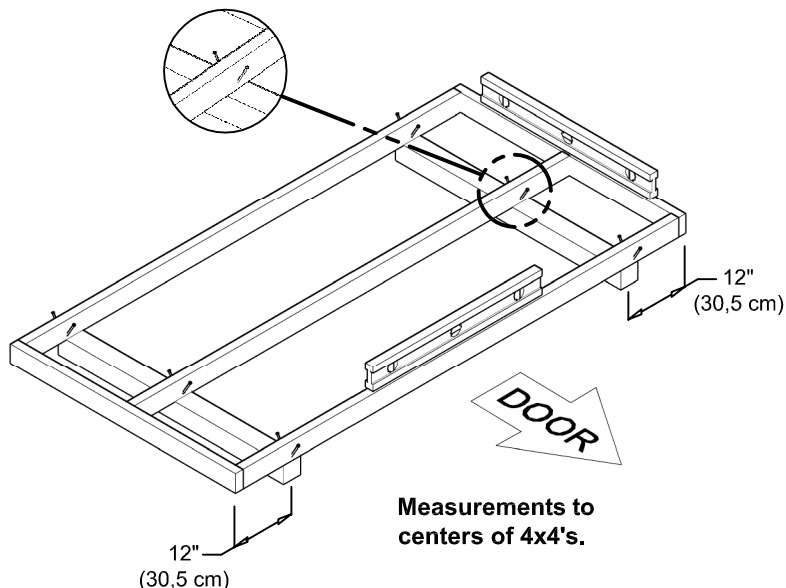
LEVELING OPTIONS

There are multiple ways to level your floor frame. Our recommended leveling method is shown below.

Leveling materials are not included in this kit.

PREFERRED METHOD - 4 X 4 TREATED RUNNERS

- 3" (7,6 cm) Screws angled into 4 x 4.
- (2) at each point frame and 4 x 4 touch.



MATERIAL REQUIRED

x1 4" x 4" x 8' (10,2 x 10,2 x 243,8 cm) Treated Lumber

Fasteners for Frame to 4" x 4".

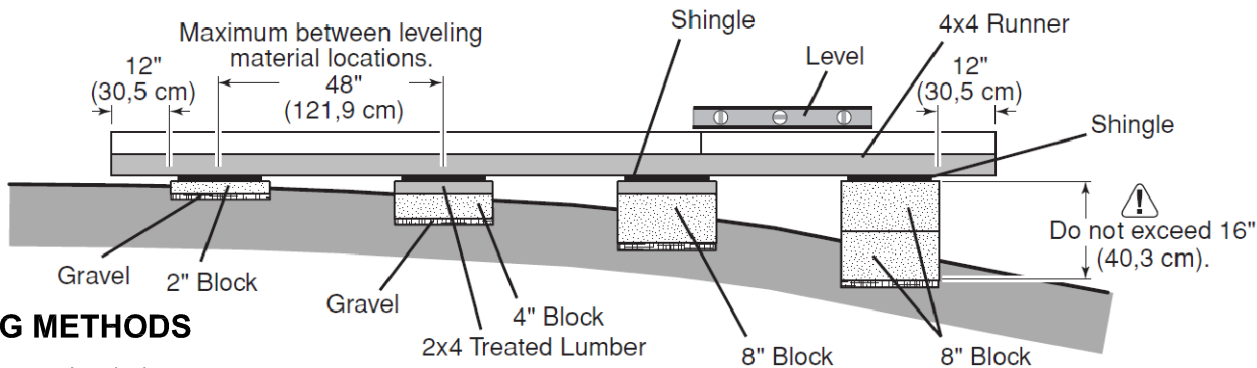
(3"(7,6 cm) Screws shown as one option.) Minimum (12) 3" (7,6 cm) screws / exterior grade.



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



Always support frame seams.



LEVELING METHODS

- Level under 4x4 runners only.
- Locate leveling material 12" (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.

MATERIAL REQUIRED

Gravel

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

2x4 Treated Lumber

Asphalt Shingles



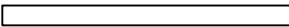
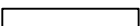
Leveling higher than 16" (40,3 cm) is not recommended.

CONCRETE

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

FLOOR

Parts Required:

- X3 Treated 2 x 4 x 93" 
- X2 Treated 2 x 4 x 48" 

Note: Look for the
TREATED Stamp



Fasteners Required:

- X12 3" Nails

ASSEMBLY STEPS / NOTES:

1. Mark location of joists 24" on center.
2. Use two (2) 3" nails at each joist (Fig A).
3. Proceed to install the floor panel.

Hint!
For easier nailing
stand on frame

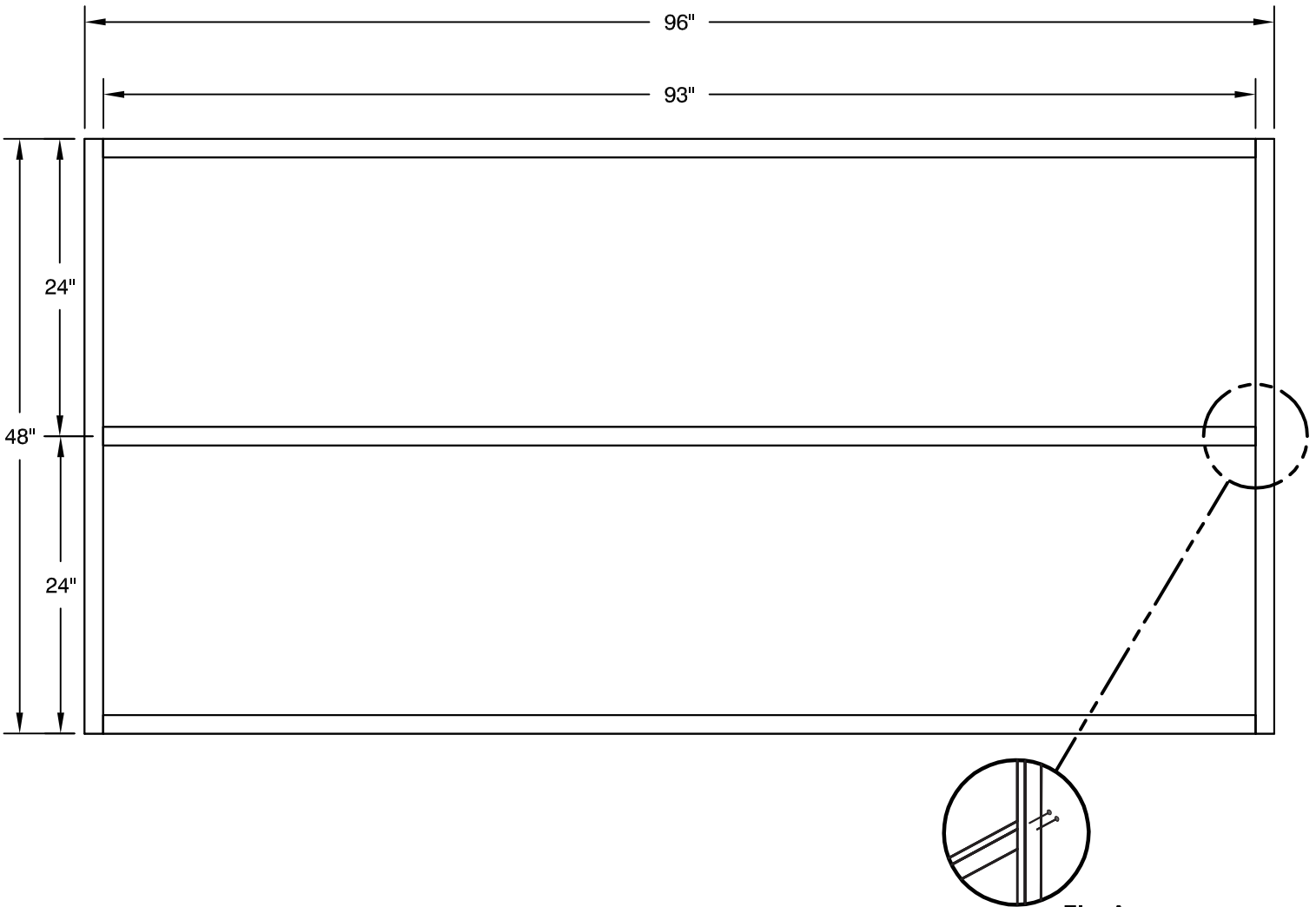
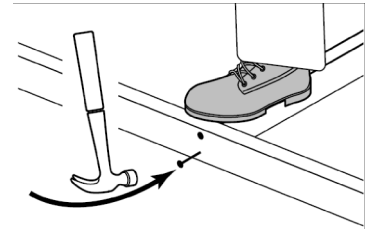


Fig. A

FLOOR FRAME

STOP!



LEVEL AND SQUARE FLOOR FRAME



STOP!

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



Begin

- 1) See page 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 the corners. If the measurements are the same, the frame is square. the diagonal measurement will be approximately 107-5/16" (439,6 cm).
- 4) When the frame is level at ends of each runner. Move to the opposite end of the frame. Secure the frame to 4x4 runners with one fastener at ends of each runner making sure the frame remains square (**Fig. A**).
- 5) Once the floor is level and square fasten the frame at each point the frame contacts the 4x4 runners.

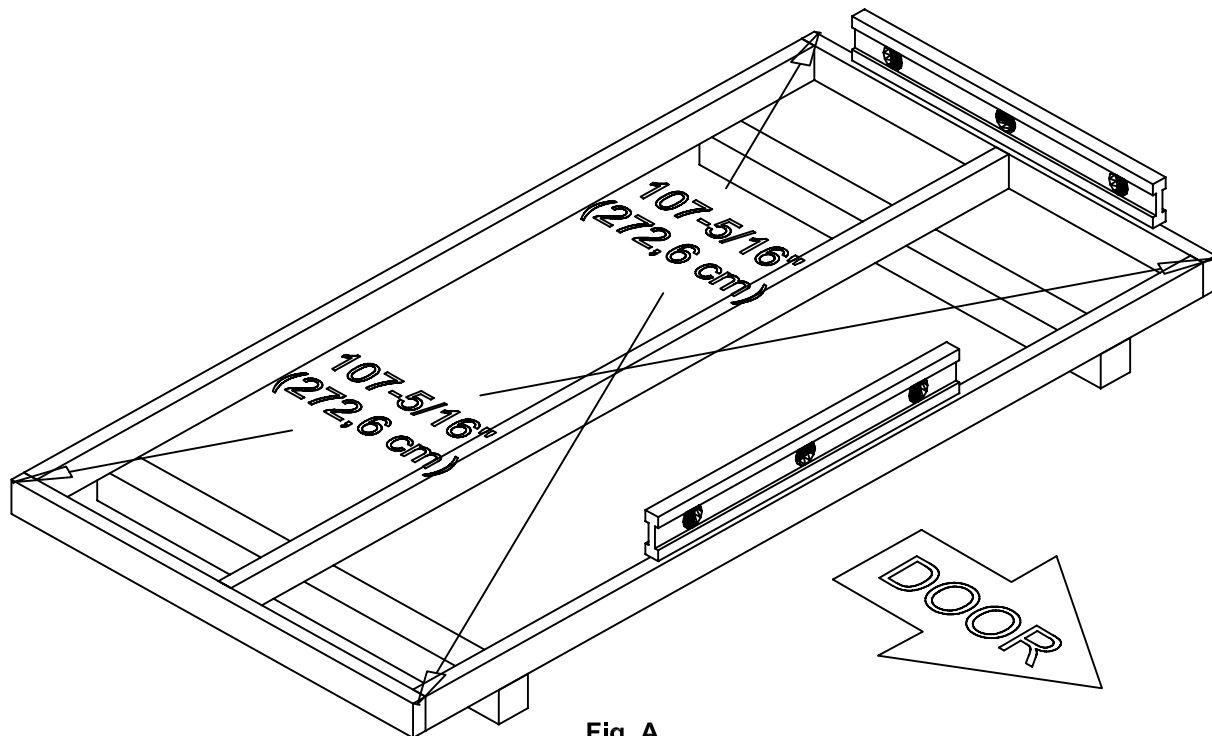


Fig. A

FLOOR PANEL (NOT INCLUDED)

Parts Required:

X1 5/8 (min) x 48 x 96" OSB



Floor Panels Not Included

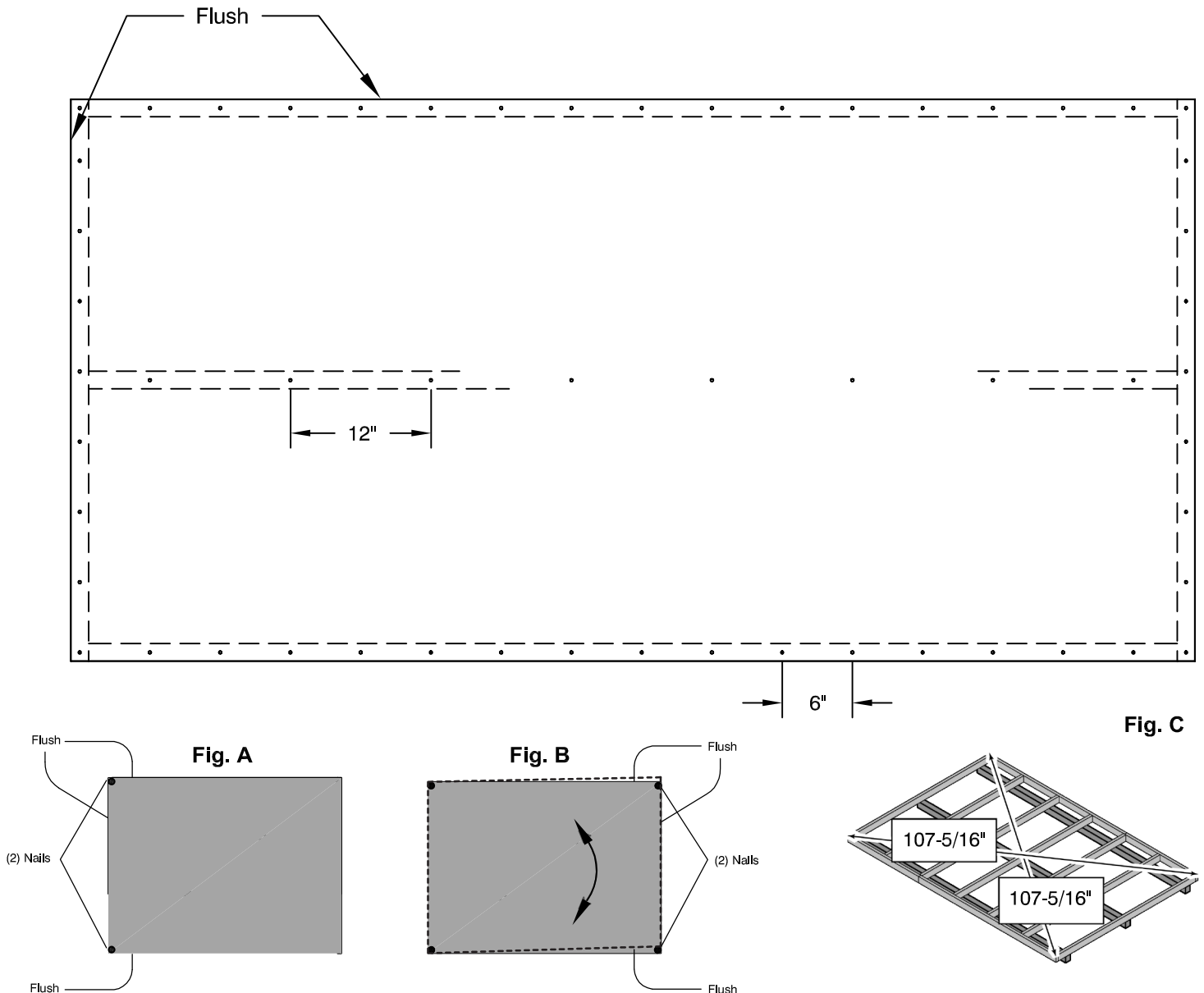
Fasteners Required:

X64 2" Nails

ASSEMBLY STEPS / NOTES:

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

1. Attach the 48 x 96" panel with the rough side up (painted-grid lines side) with the 48" edge and corner flush to the floor frame (Fig A). Secure panel with two 2" nails in the corners.
2. Move to the opposite side. Using the long edge of the panel as a lever, move the panel side-to-side until the top corner is flush to the floor frame (Fig. B). Secure panel with two 2" nails in the corners.
3. Continue attaching the panel using 2" nails 6" apart on edges and 12" apart inside panel. Use a chalk line or use pre-painted grid lines to nail into joists under panel.

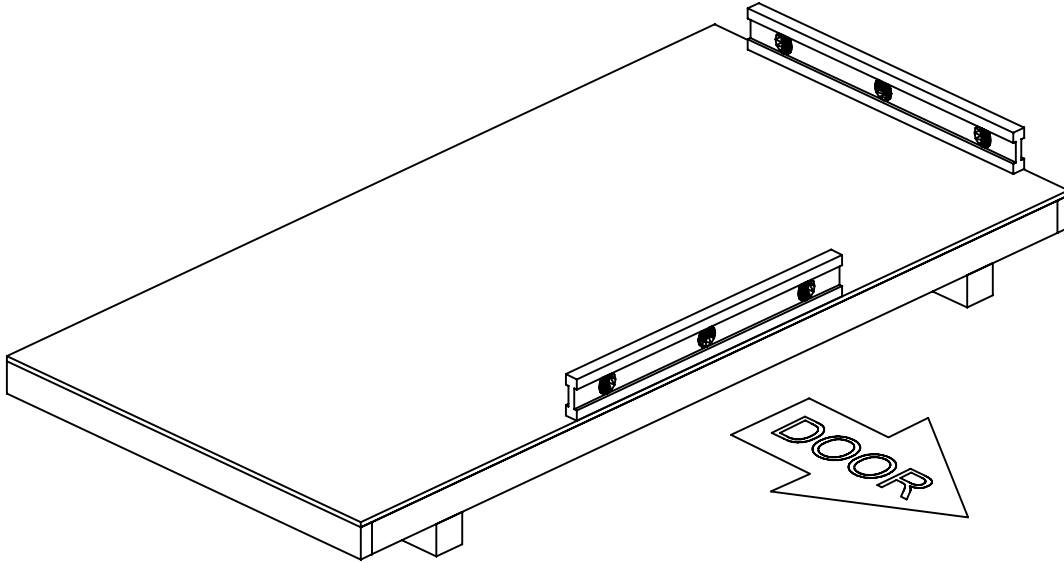




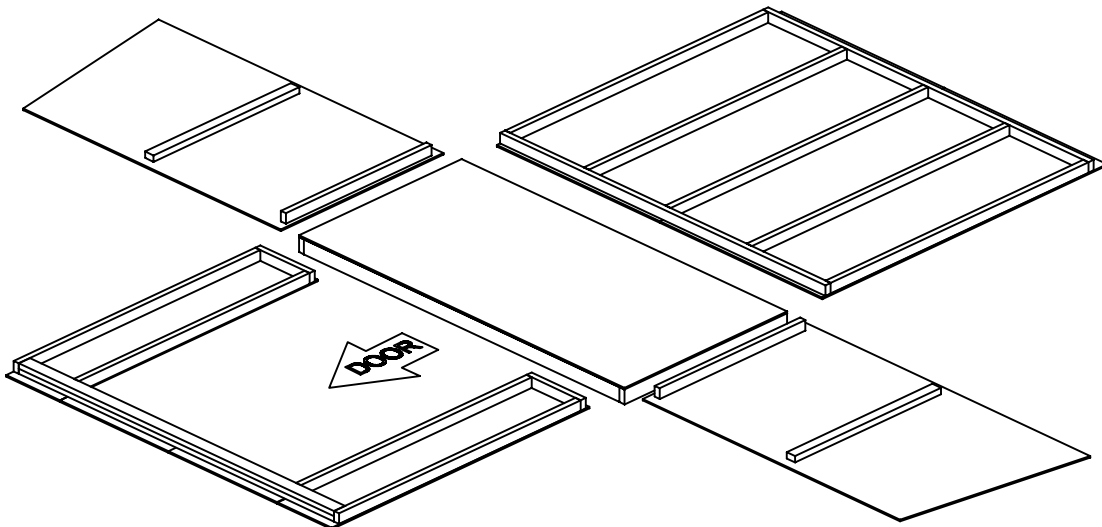
IMPORTANT!



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




- Organize your assembly procedure during the build process to avoid over-handling of the walls



HEADER ASSEMBLY

Parts Required:

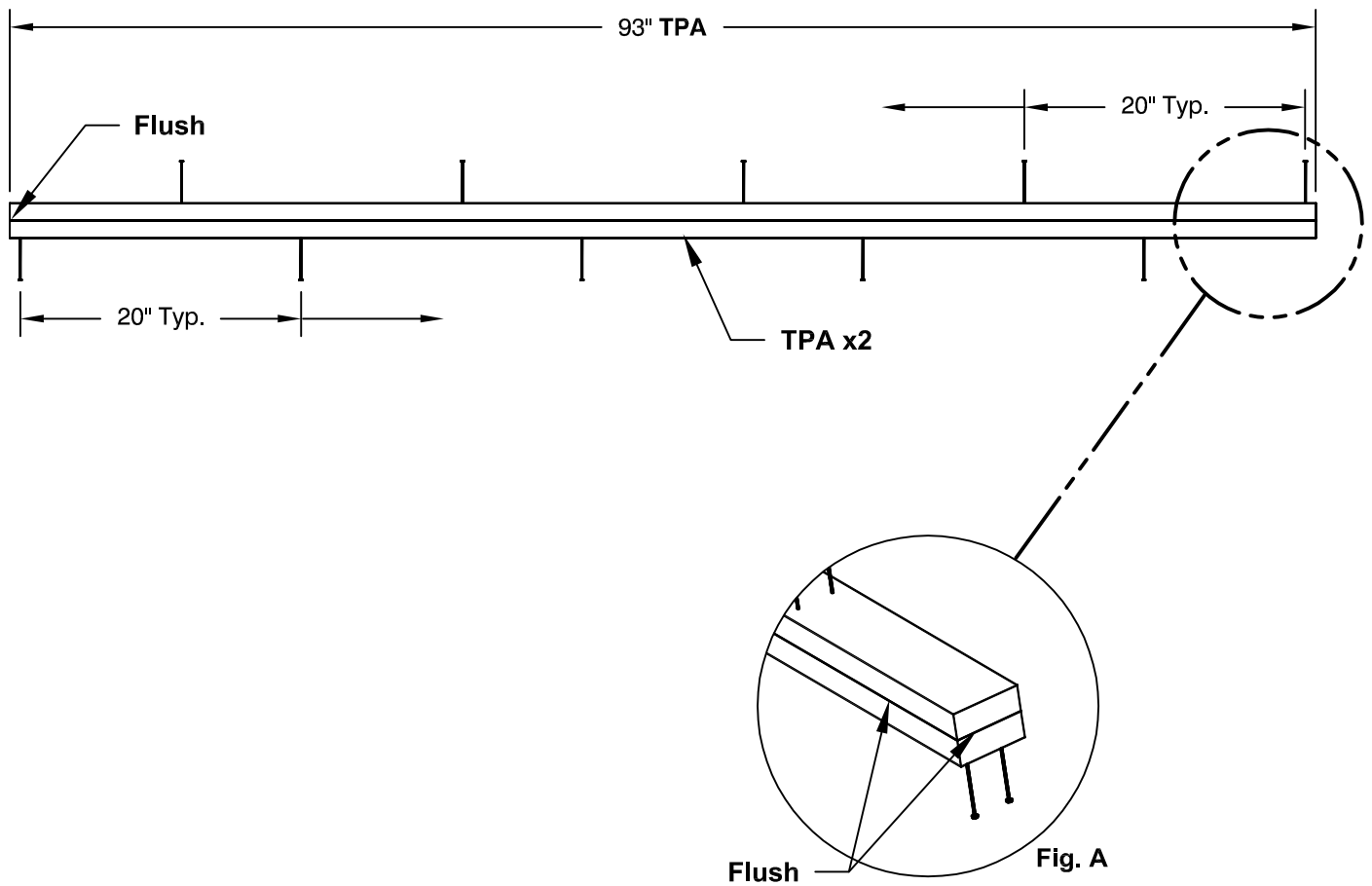
X2 1-1/4 x 3-1/4 x 93" TPA 

Fasteners Required:

X20 2" Screws

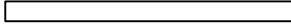
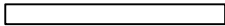
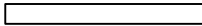


ASSEMBLY STEPS / NOTES:

1. Orient the two TPA parts on floor as shown. Keep all edges flush.
2. Attach with 2" screws, five sets of two staggered on each side (Fig A).



FRONT WALL FRAME

Parts Required:

X1	Header Assembly		
X2	2 x 3 x 71-1/4"	PDA	
X2	2 x 3 x 68"	OT	
X2	2 x 3 x 16"	LK	
X2	2 x 3 x 13"	RK	

Fasteners Required:

X30 3" Nails

ASSEMBLY STEPS / NOTES:

- Orient parts on floor as shown. Measure and mark.
Orient Header assembly with 3-1/4" side as shown.
- Attach with 3" nails, two at each connection (Fig A).
- Use three 3" nails to attach **RK** to Header Assembly, (Fig B) before nailing the ends.

Hint!
For easier nailing
stand on frame

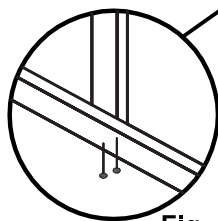
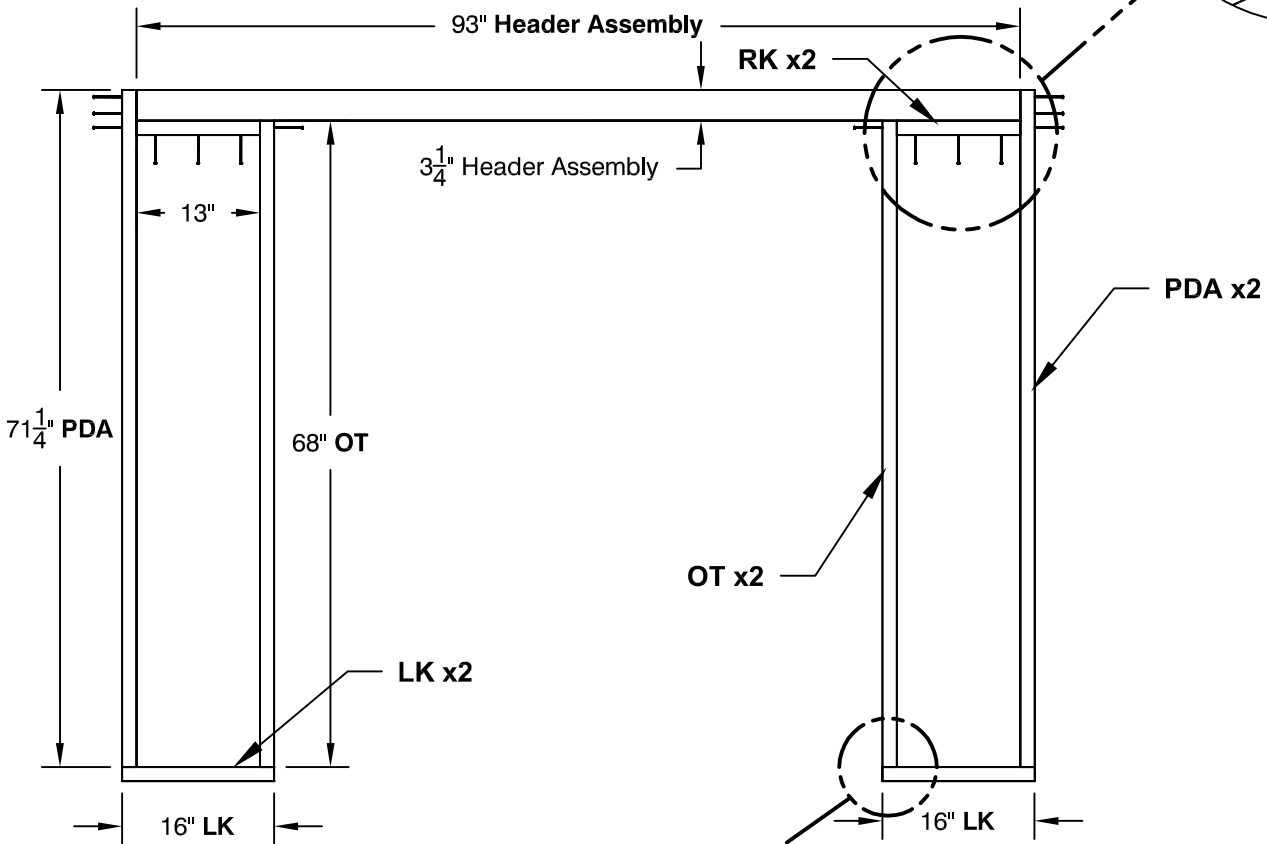
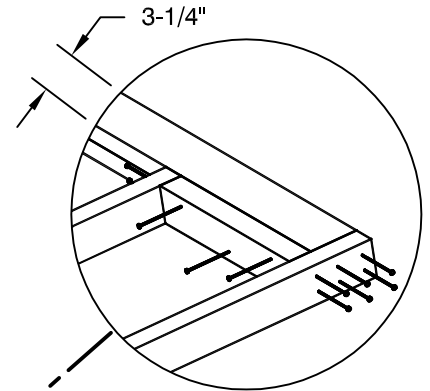
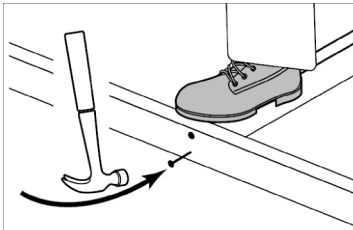

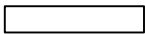


Fig. A

FRONT WALL PANEL

Parts Required:

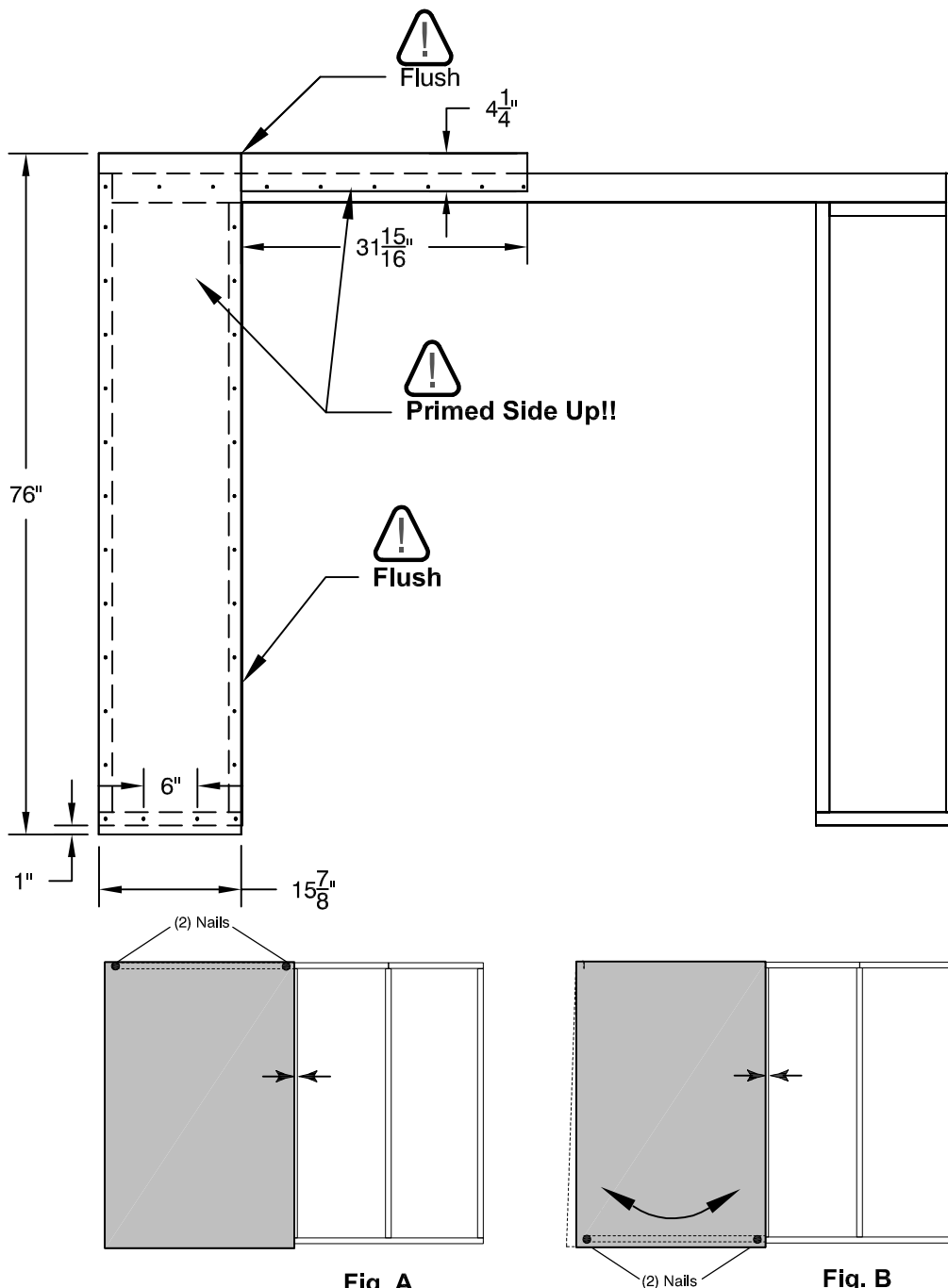
X1	$\frac{3}{8}$ x 15-7/8 x 76"	Wall Panel	
X1	$\frac{3}{8}$ x 4-1/4 x 31-15/16"	Over Door Panel	

Fasteners Required:

X35 2" Nails

ASSEMBLY STEPS / NOTES:


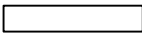
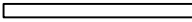
1. Place the 15-7/8 x 76" panel onto the wall frame with primed side up as shown. The panel will be flush with the inside wall stud. **Leave 1" overhang on the bottom!** Secure top of panel with two 2" nails in the corners (Fig. A).
2. Move to the opposite end. Using the long edge of the panel as a lever, move the panel side-to-side until you are flush with the inside stud. Secure corner with two 2" nails (Fig. B).
3. Nail the panel using 2" nails 6" apart on edges.
4. Place the 4-1/4 x 31-15/16" flush to the top of, and against the previous panel. Nail into place with 2" nails 6" apart.



NOTE: Images in Fig's A & B are for reference only. Your wall may vary slightly.

FRONT WALL PANEL

Parts Required:

X1	$\frac{3}{8}$ x 15-7/8 x 76"	Wall Panel	
X1	$\frac{3}{8}$ x 4-1/4 x 31-15/16"	Over Door Panel	
X1	2 x 3 x 69"	OO	

Fasteners Required:

X35	2" Nails
X2	3" Screws

ASSEMBLY STEPS / NOTES:

5. Place the 15-7/8 x 76" panel onto the wall frame with primed side up as shown. The panel will be flush with the inside wall stud. **Leave 1" overhang on the bottom!** Secure top of panel with two 2" nails in the corners (Fig. A).
6. Move to the opposite end. Using the long edge of the panel as a lever, move the panel side-to-side until you are flush with the inside wall stud. Secure corner with two 2" nails (Fig. B). Nail the panel using 2" nails 6" apart on edges.
7. Place the 4-1/4 x 31-15/16" flush to the top of, and against the previous panel. Nail into place with 2" nails 6" apart.
8. Attach brace **OO** with one 3" screw at each end to hold the 64" door opening.
9. You have finished your front wall.

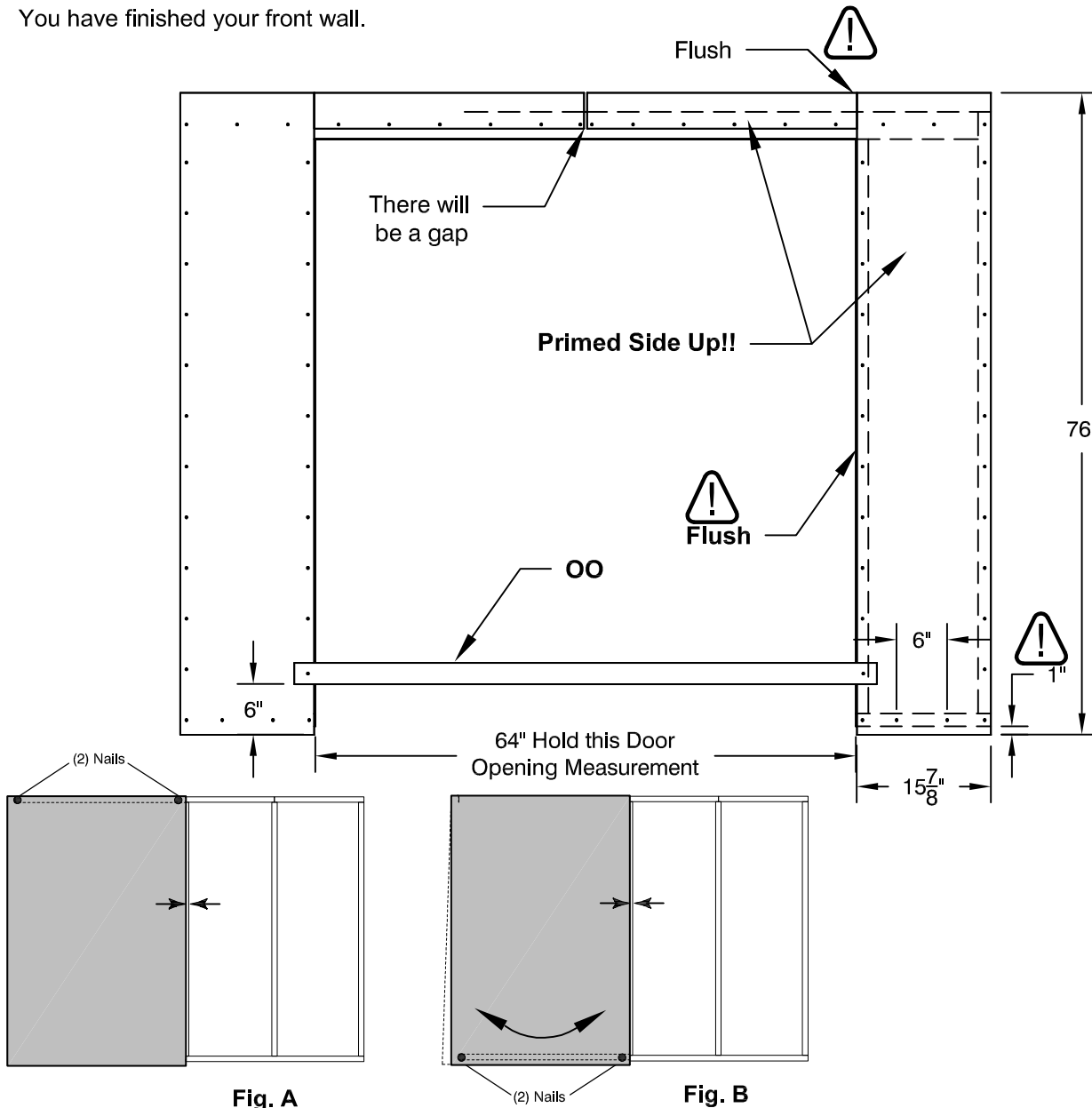


Fig. A

Fig. B

BACK WALL FRAME

Parts Required:

X2 2 x 3 x 96" **PT**

X5 2 x 3 x 76-1/16" **PCA**

Fasteners Required:

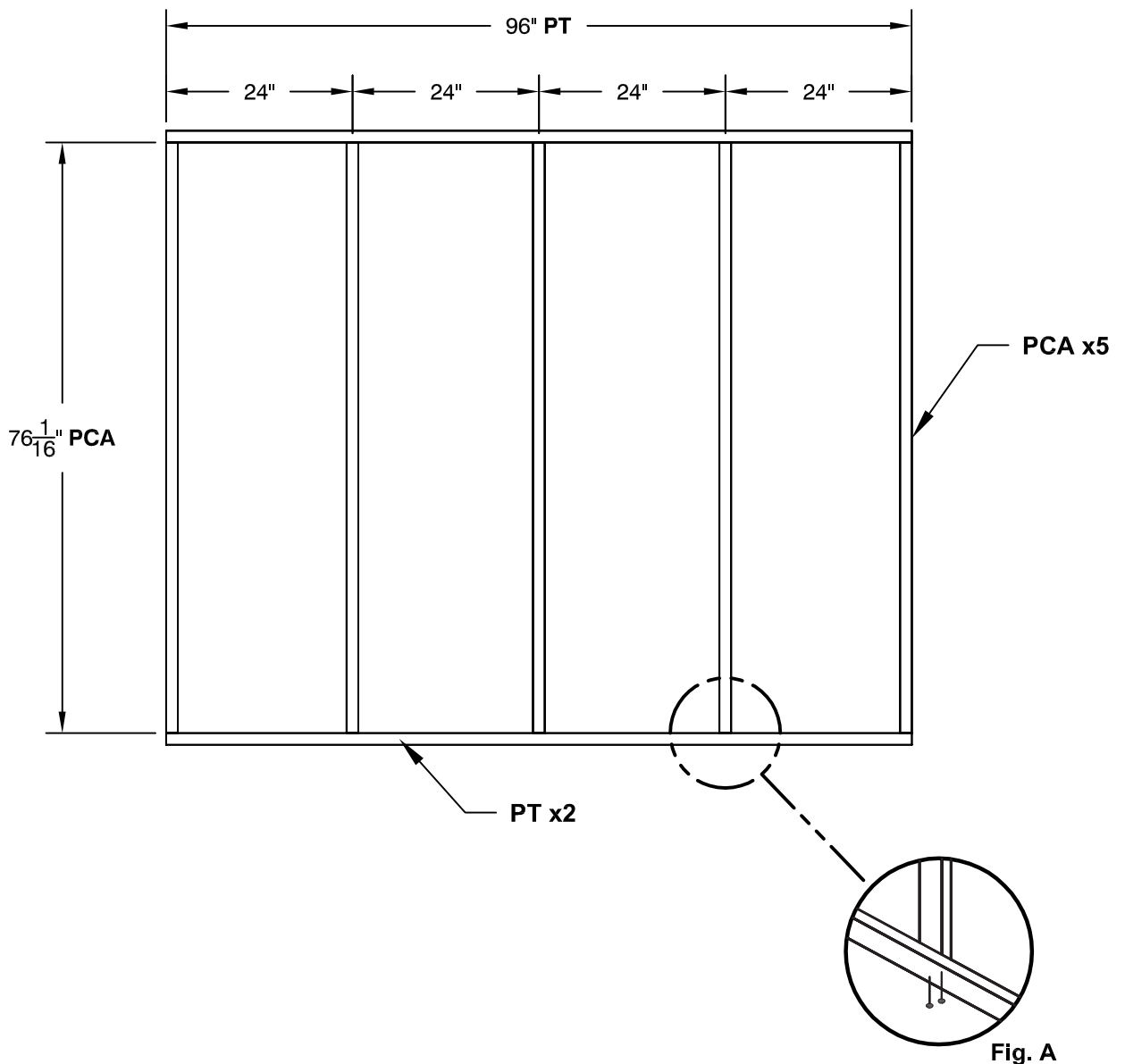
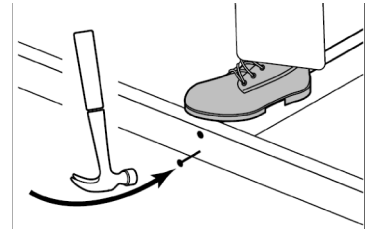
X20 3" Nails

ASSEMBLY STEPS / NOTES:

1. Orient parts on edge on floor as shown. Measure and mark 24" on center.
2. Attach with 3" nails, two at each connection (Fig A).



Hint!
For easier nailing
stand on frame



BACK WALL PANEL

Parts Required:

X1 3/8 x 48 x 84" Wall Panel

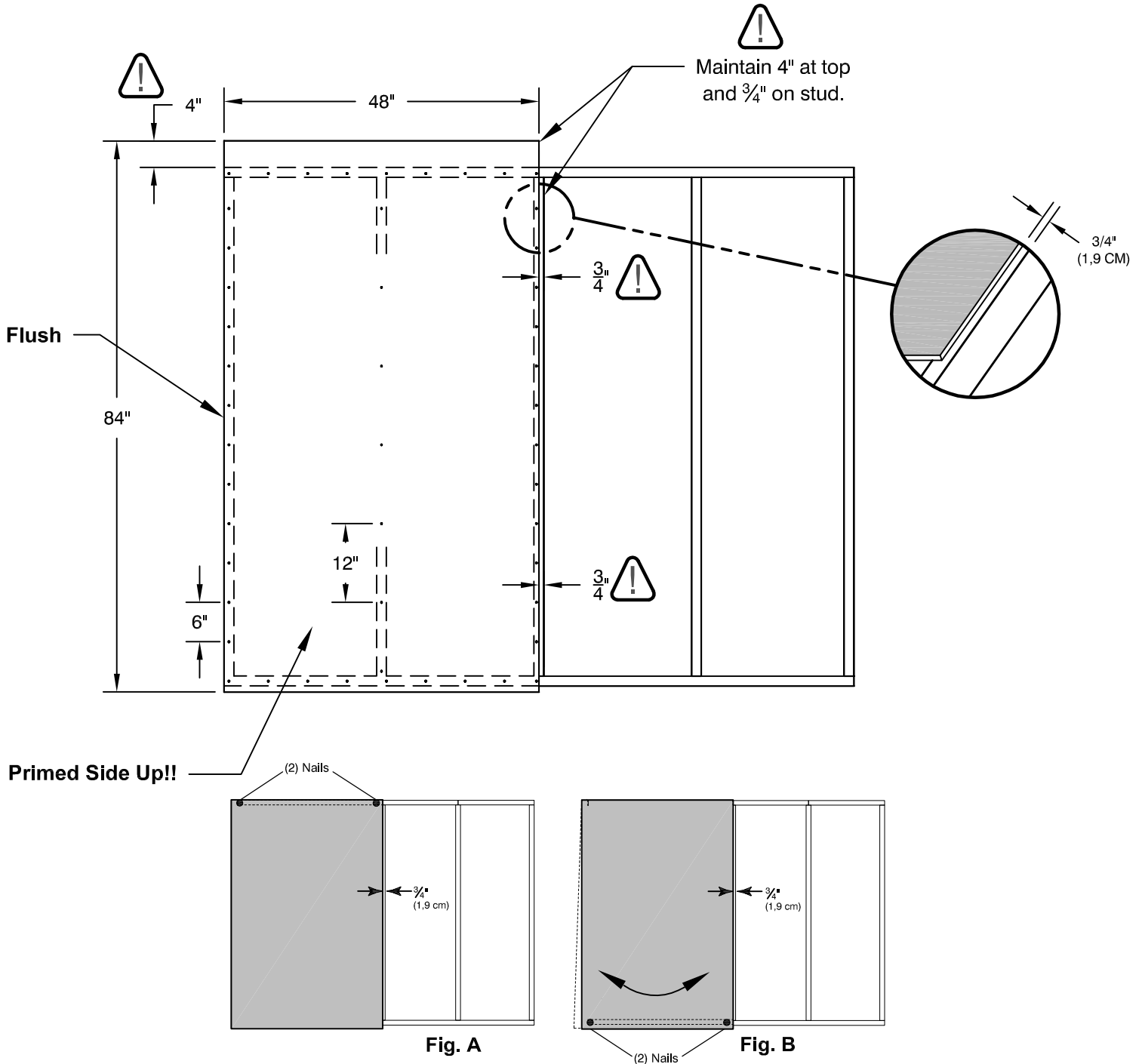


Fasteners Required:

X49 2" Nails

ASSEMBLY STEPS / NOTES:

1. Place the 48 x 84" panel onto the wall frame with primed side up as shown. The panel will be flush with the outside wall stud. **Leave 4" overhang on top!** Secure top of panel with two 2" nails in the corners (Fig. A).
2. Move to the opposite end. Using the long edge of the panel as a lever, move the panel side-to-side until you have a 3/4" measurement on the middle stud. Secure corner with two 2" nails (Fig. B).
3. Nail the panel using 2" nails 6" apart on edges and 12" apart inside panel.



NOTE: Images in Fig's B & C are for reference only. Your wall may vary slightly.

BACK WALL PANEL

Parts Required:

X1 3/8 x 48 x 84" Wall Panel

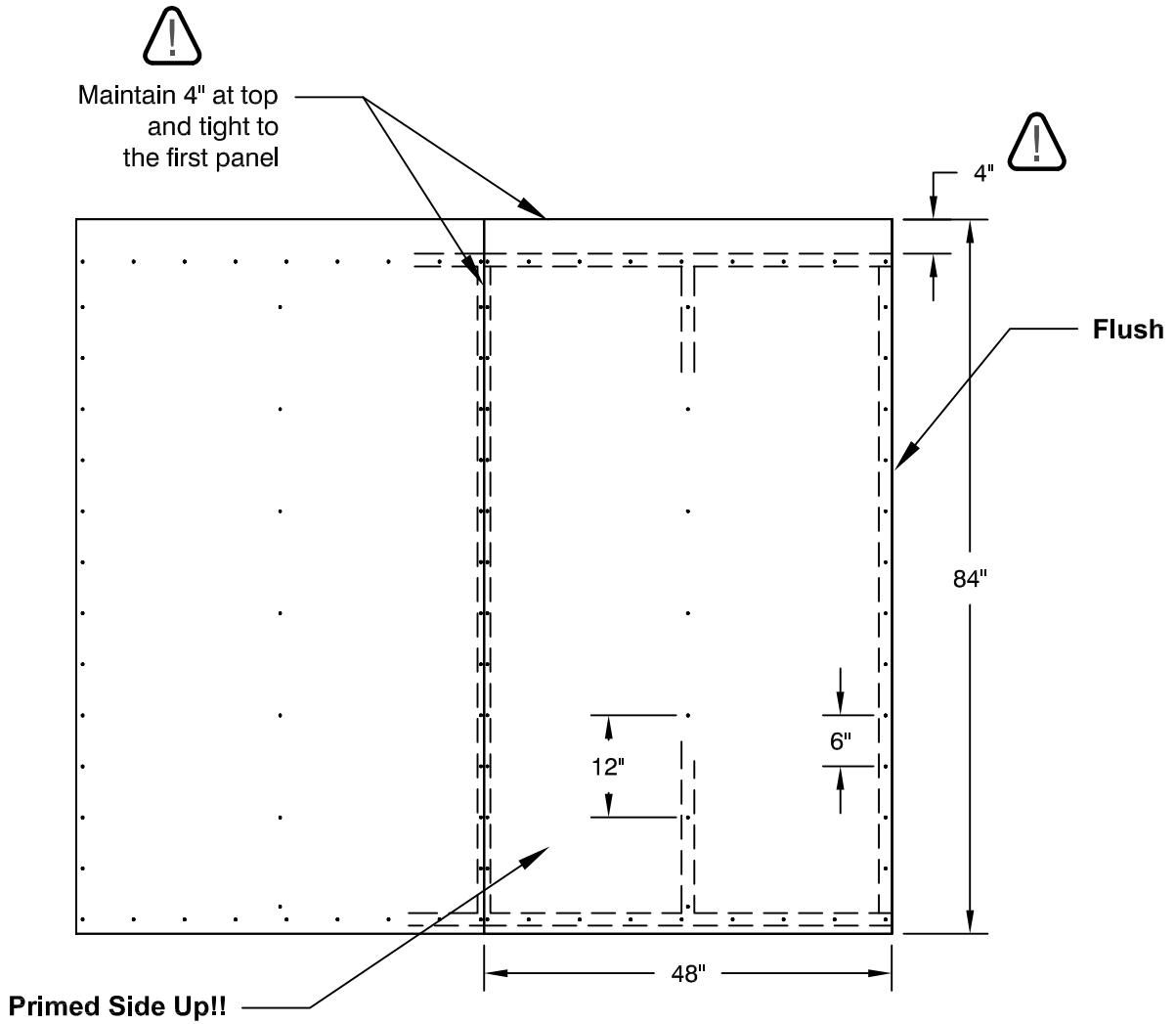


Fasteners Required:

X49 2" Nails

ASSEMBLY STEPS / NOTES:

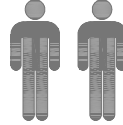
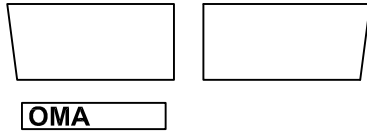
- Place your final back wall 48 x 84" panel on frame as shown with primed side facing up. Keep tight to the first panel, and maintain a 4" overhang on the top. Nail the panel using 2" nails 6" apart on edges and 12" apart inside panel.
- You have finished your back wall.



SIDE WALL

Parts Required:

- X1 Side Panel Right
- X1 Side Panel Left
- X4 2 x 3 x 43"

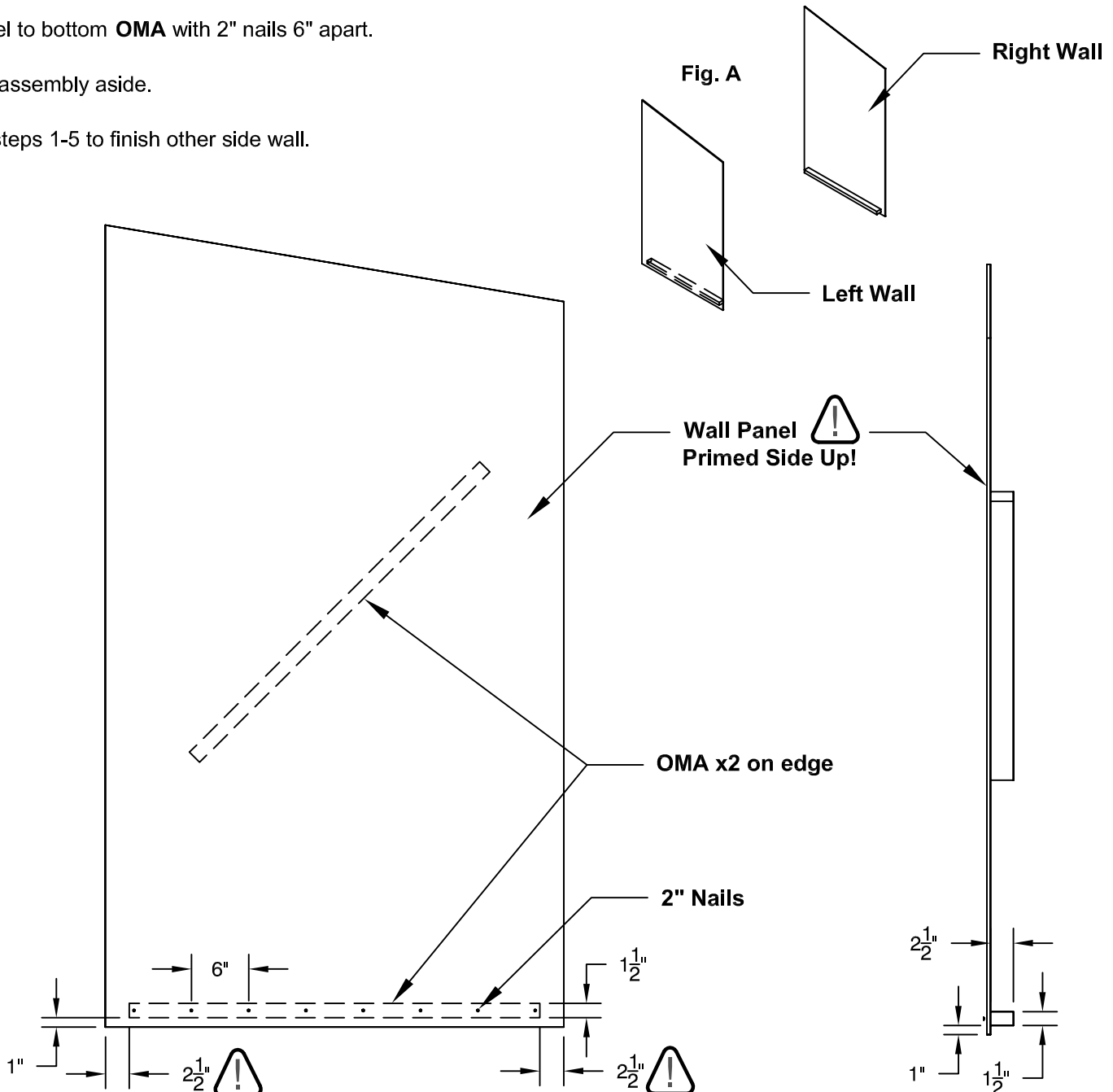


Fasteners Required:

- X16 2" Nails

ASSEMBLY STEPS / NOTES:

1. You will build one left and one right side wall (Fig A). Place one **OMA** on edge in middle of floor. This will be used for a support.
2. Place a second **OMA** on edge at one end of the floor.
3. Set wall panel, **Primed Side Up**, on **OMAs**. Hold panel 1" down from bottom **OMA** and 2-1/2" in from each side.
4. Nail panel to bottom **OMA** with 2" nails 6" apart.
5. Set wall assembly aside.
6. Repeat steps 1-5 to finish other side wall.



STANDING WALLS

Parts Required:

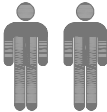
- X1 Front Wall Assembly
- X1 Back Wall Assembly
- X2 2 x 3 x 43"

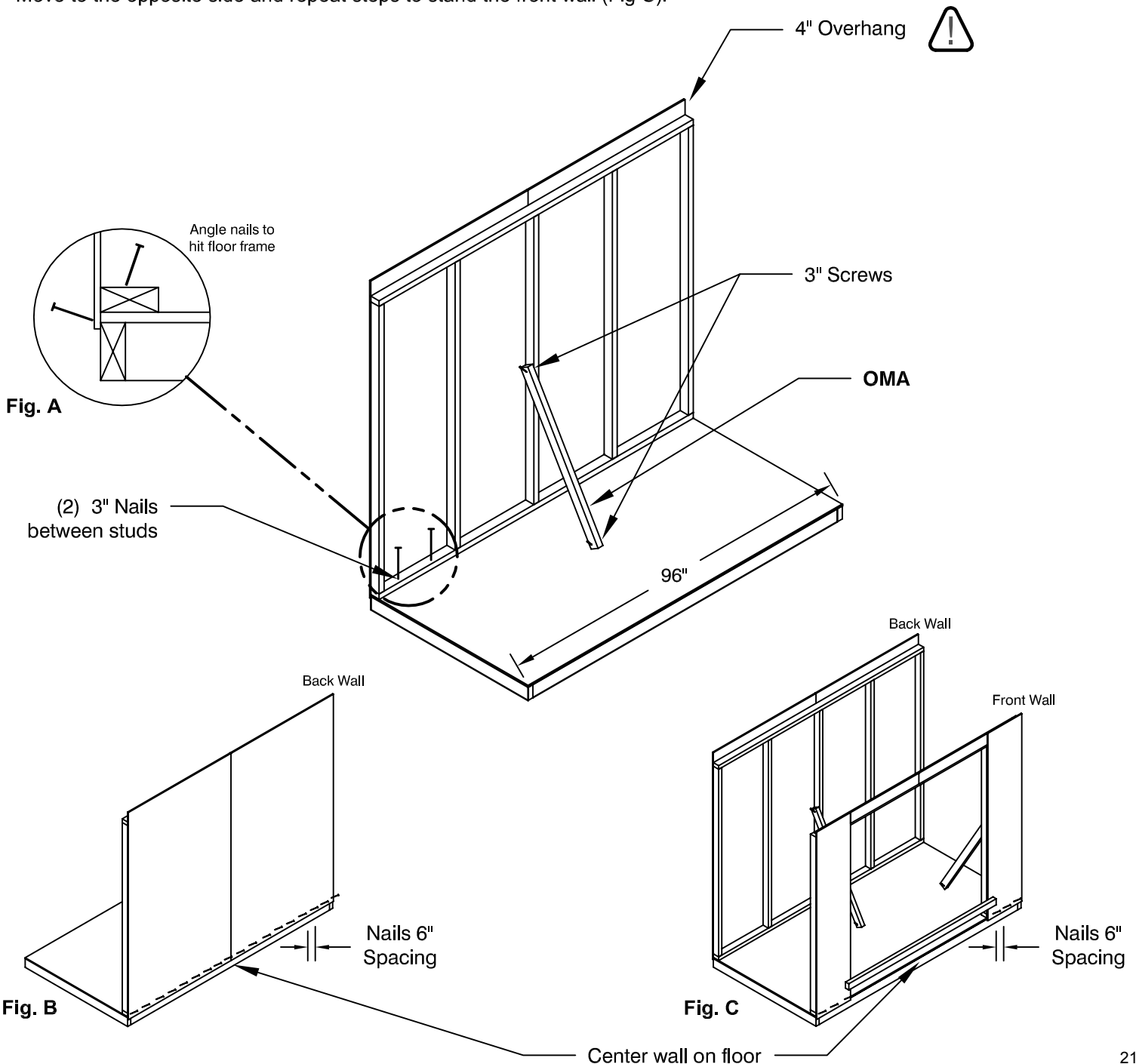


Fasteners Required:

- X23 2" Nails
- X12 3" Nails
- X4 3" Screws

ASSEMBLY STEPS / NOTES:

1. Stand back wall on floor. The 4" over hang goes up. Center back wall on the 96" floor dimension. 
2. Nail along lower edge of panel to floor frame using 2" nails 6" apart. Angle nail to hit floor frame (Fig. A, B).
3. Use **OMA** as a temporary brace. Secure with two 3" screws.
4. Nail through the bottom plate using two 3" nails between studs. Angle nails to hit floor frame. (Fig. A.)
5. Move to the opposite side and repeat steps to stand the front wall (Fig C).



RAFTERS

Parts Required:

X5 2 x 4 x 48-11/16"

TNA

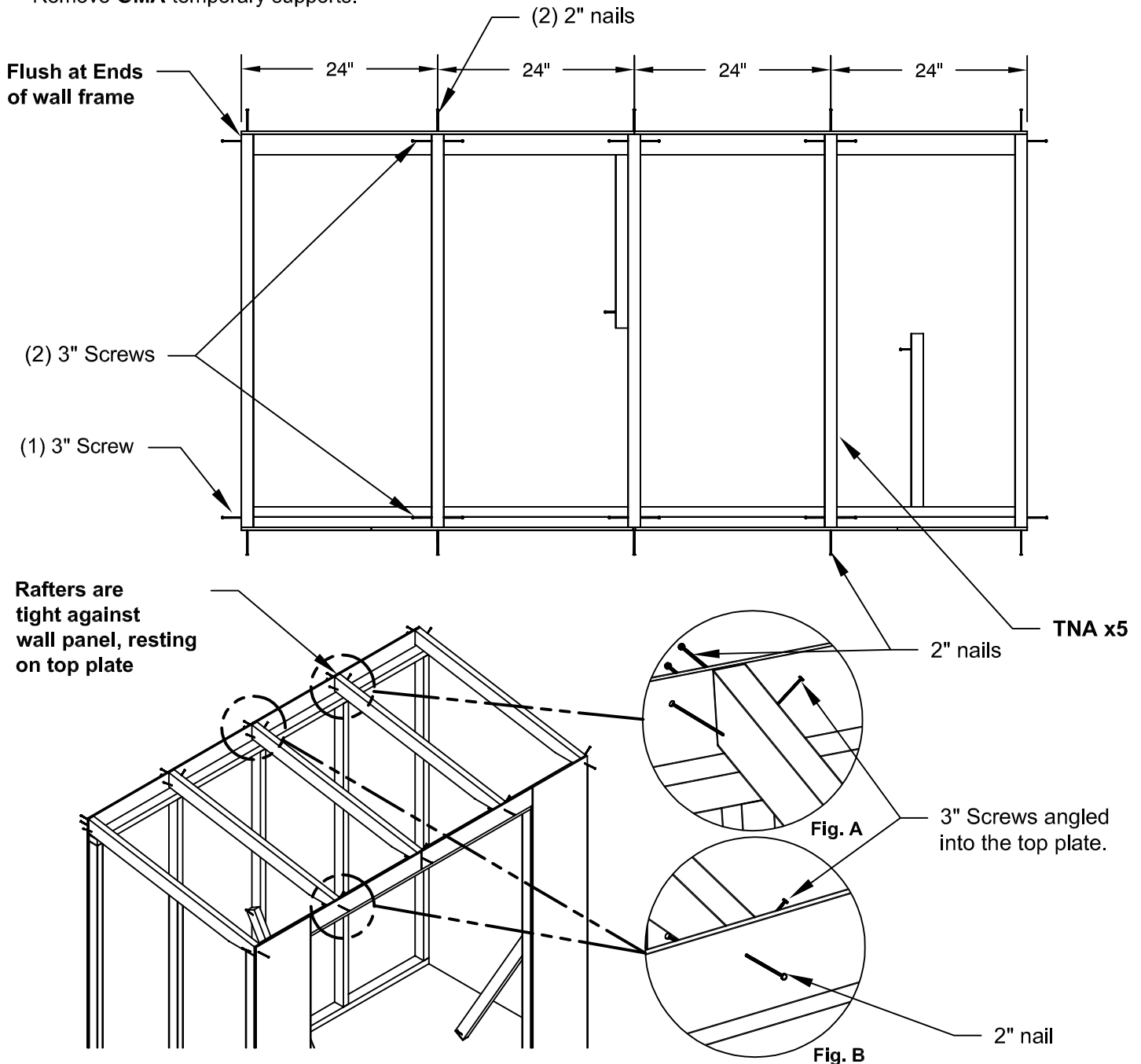
Fasteners Required:

X15 2" Nails

X16 3" Screws

ASSEMBLY STEPS / NOTES:

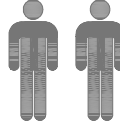
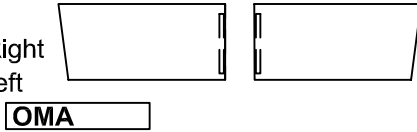
1. Arrange the Rafters **TNA** on top of the framing as shown. The rafters will be against the back wall panels resting on the top plate (Fig A). The end rafters will be flush with the end of the wall framing.
2. Using two 3" screws, angle the screws so that they go into the top plate of the framing (Fig. A & B). One screw for the end rafters from outside, and two screws for the inside rafters (Fig A).
3. Nail the wall panel to the rafters using two 2" nails at each rafter on the back (Fig. A), and one 2" nail to each rafter on the front (Fig A & B).
4. Remove **OMA** temporary supports.



SIDE WALL

Parts Required:

- X1 Side Panel Assembly Right
- X1 Side Panel Assembly Left
- X2 2 x 3 x 43"

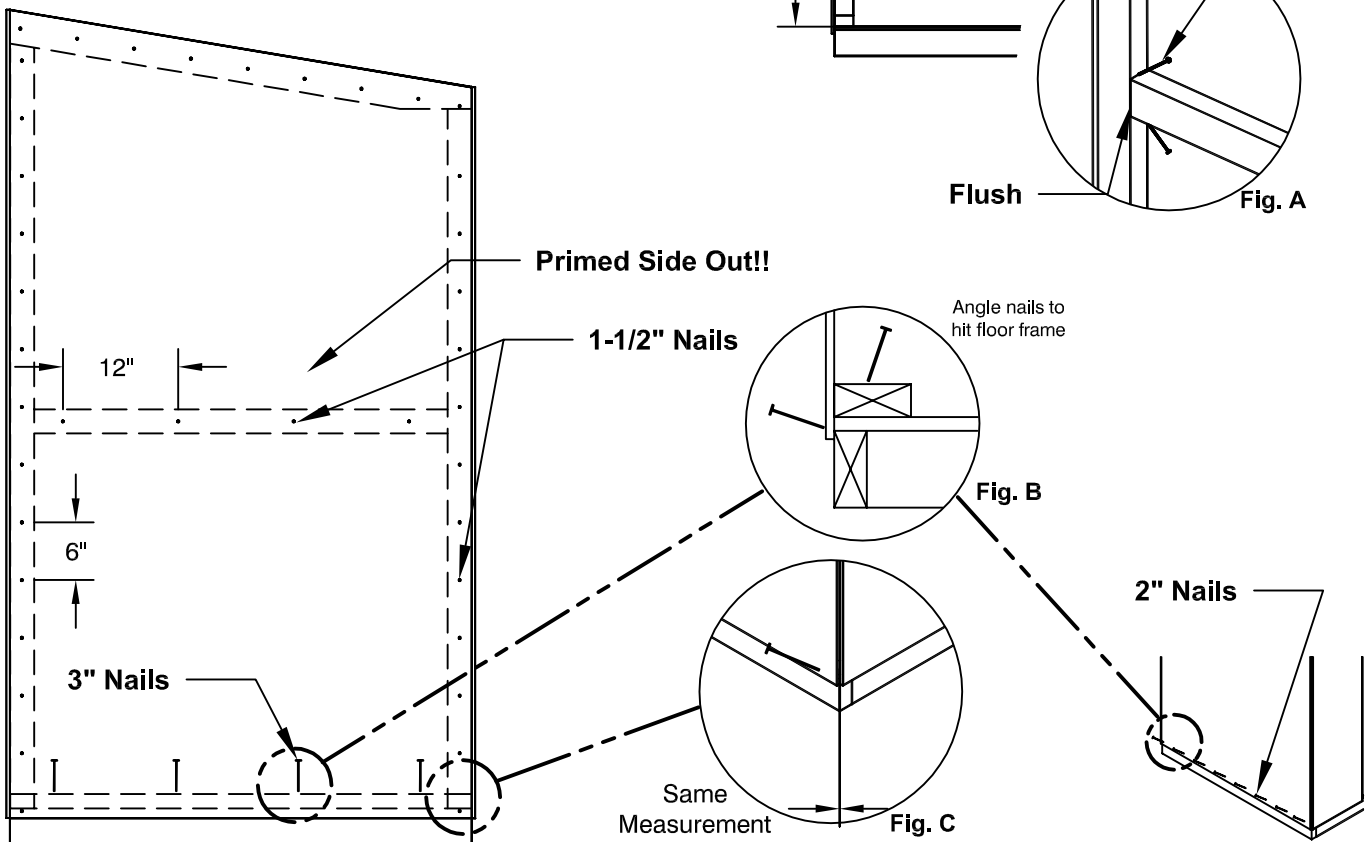
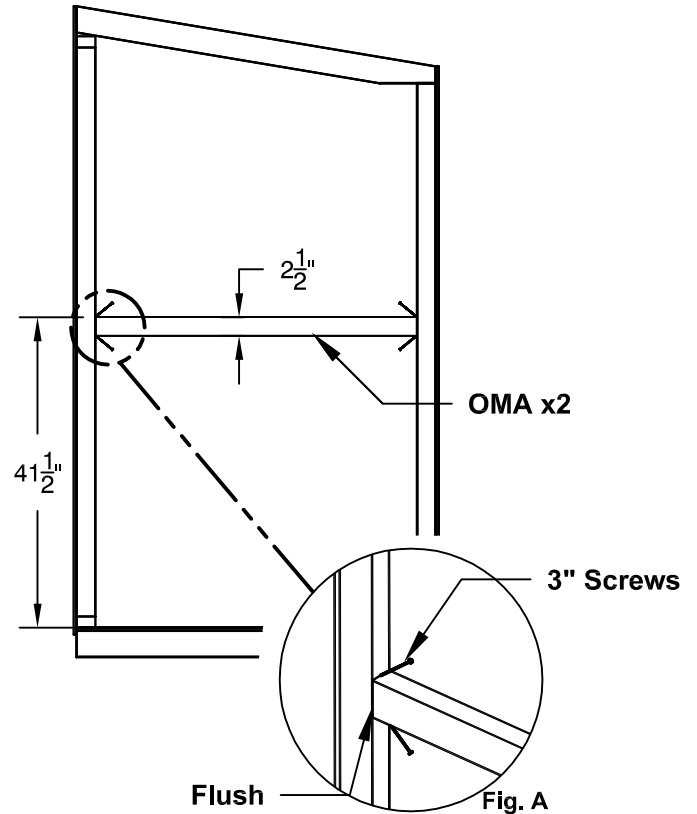


Fasteners Required:

- X76 1-1/2" Nails
- X16 2" Nails
- X8 3" Nails
- X8 3" Screws

ASSEMBLY STEPS / NOTES:

1. Orient **OMA** so that the top is 41-1/2" from the floor and flush to the wall frame (Fig. A). Screw into place with 3" screws angled into the wall frames (Fig. A).
 2. Place the side panel assembly centered between framing with **OMA** on the floor deck. Nail one 1-1/2" nail into the bottom corner (Fig. C).
 3. Keep the same measurement between the panels up the length of the side (Fig. C). Nail the panel to the frame using 1-1/2" nails 6" apart on the edge and 12" apart in the center.
 4. Using 2" nails, nail along the bottom angled into the floor frame spaced 6" apart (Fig. B).
- Repeat **Step 3** to secure opposite panel edge.
5. Step inside shed and nail **OMA** to floor using four 3" nails (Fig. B).
 6. Repeat this for the other side.



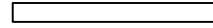
OVERHANG

Parts Required:

X1 7/16 x 48 x 96"



X1 2 x 4 x 72" **TM**



X1 2 x 4 x 24-3/4" **RLZ**

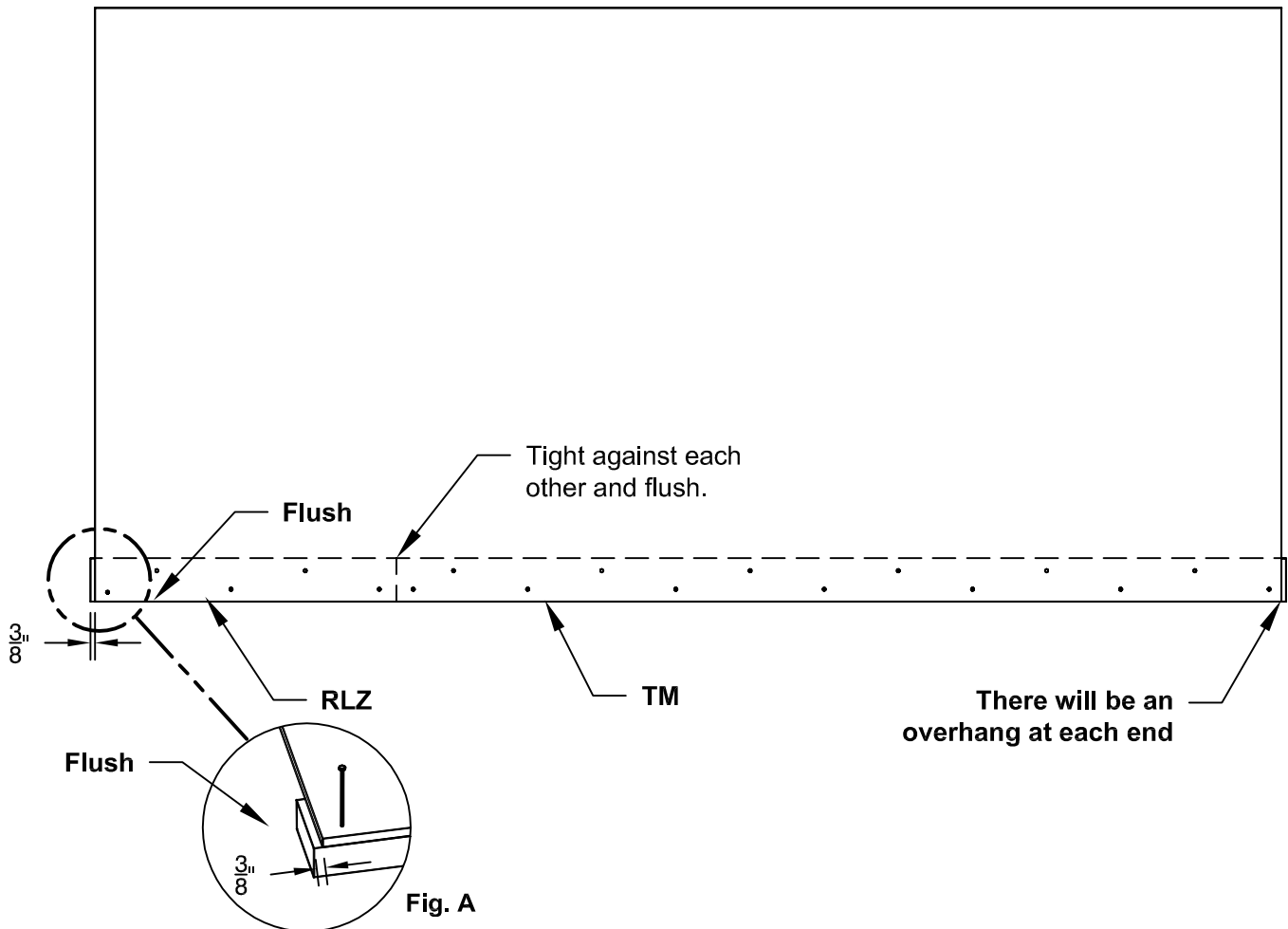


Fasteners Required:

X18 1-1/4" Screws

ASSEMBLY STEPS / NOTES:

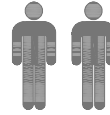
1. Position the 24-3/4" overhang **RLZ** under the 48 x 96" roof panel rough side up (painted grid lines side). The overhang will be flush in front with 3/8" over the side (Fig A).
2. Fasten using five 1-1/4" screws staggered every 6".
3. Locate the 72" overhang **TM** tight against **RLZ** and flush to the front. Fasten using thirteen 1-1/4" screws staggered every 6".



ROOF

Parts Required:

X1 7/16 x 48 x 96" Roof Panel w/ overhang

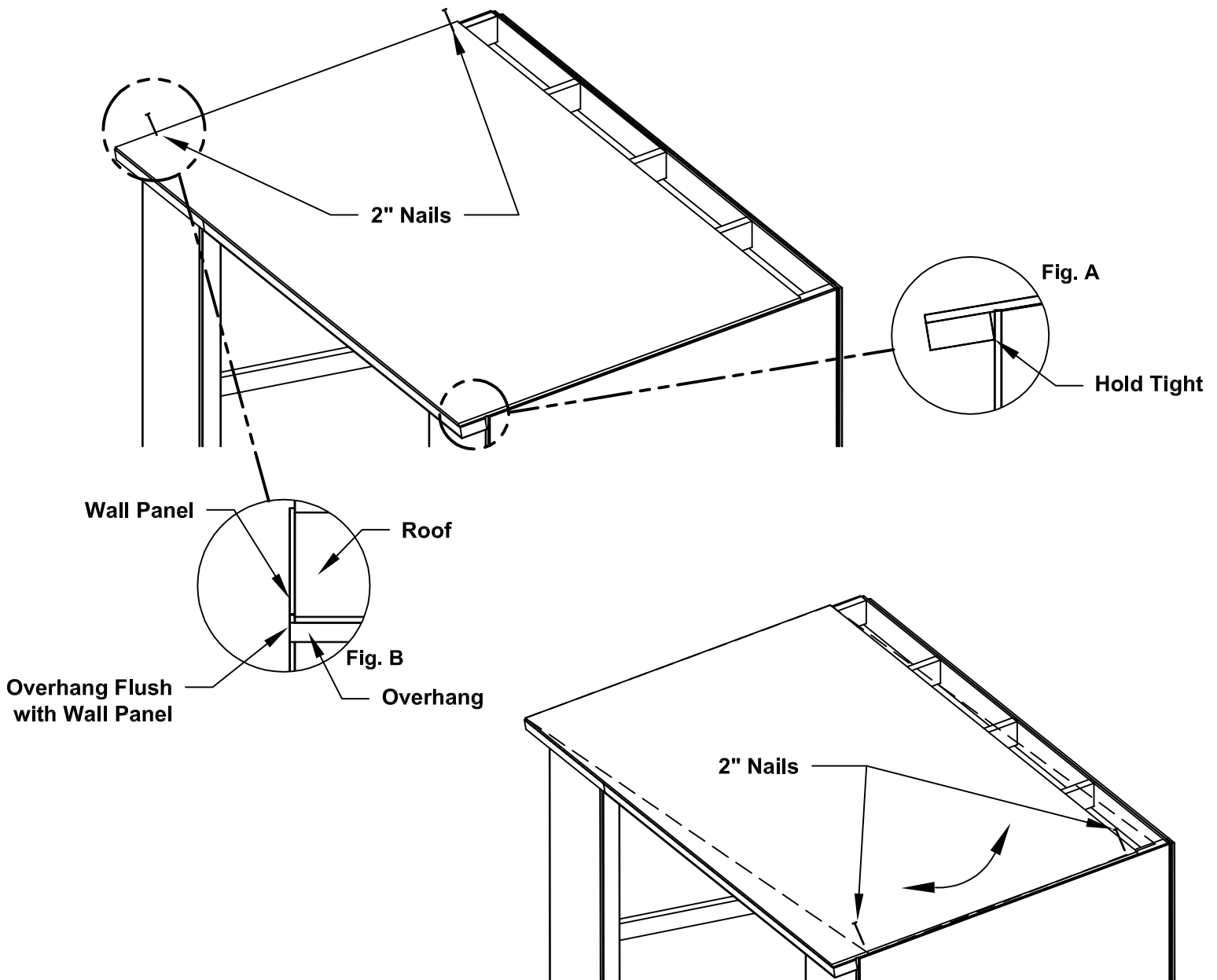


Fasteners Required:

X4 2" Nails


ASSEMBLY STEPS / NOTES:

1. Attach the 48 x 96" panel with the rough side up (painted grid lines side) with the overhang pushed tight to the front panel (Fig A), and the panel flush to the inside of the side panels (Fig. B). Secure panel with two 2" nails in the corners at one end.
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 in flush to the inside of the side wall panel (Fig. B). Secure panel with two 2" nails in the corners.



ROOF

Parts Required:

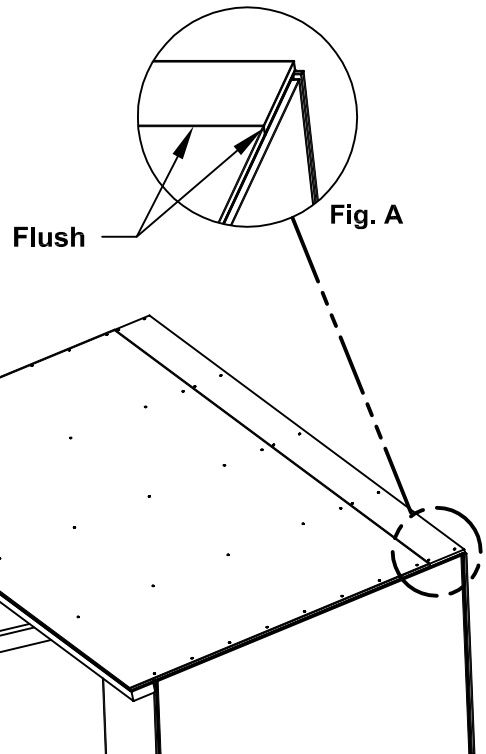
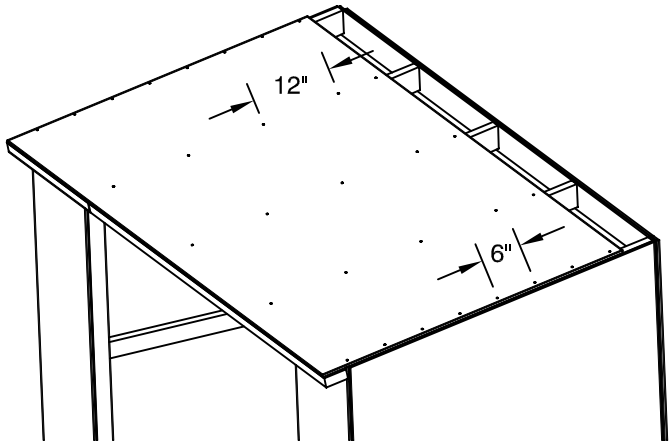
X1 7/16 x 5-1/2 x 96" 

Fasteners Required:

X39 2" Nails

ASSEMBLY STEPS / NOTES:

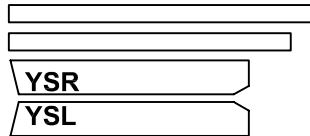
1. Nail the roof panel using 2" nails 6" apart on edges and 12" apart inside rafters.
2. Attach the 5-1/2 x 96" roof panel flush to first panel along edge and sides. (Fig. A).
3. Nail this panel using 2" nails two nails per rafter.



TRIM

Parts Required:

X2	3/8 x 1-3/4 x 84"
X2	3/8 x 1-3/4 x 74-7/16"
X1	19/32 x 3-1/2 x 54-9/16"
X1	19/32 x 3-1/2 x 54-9/16"



Fasteners Required:

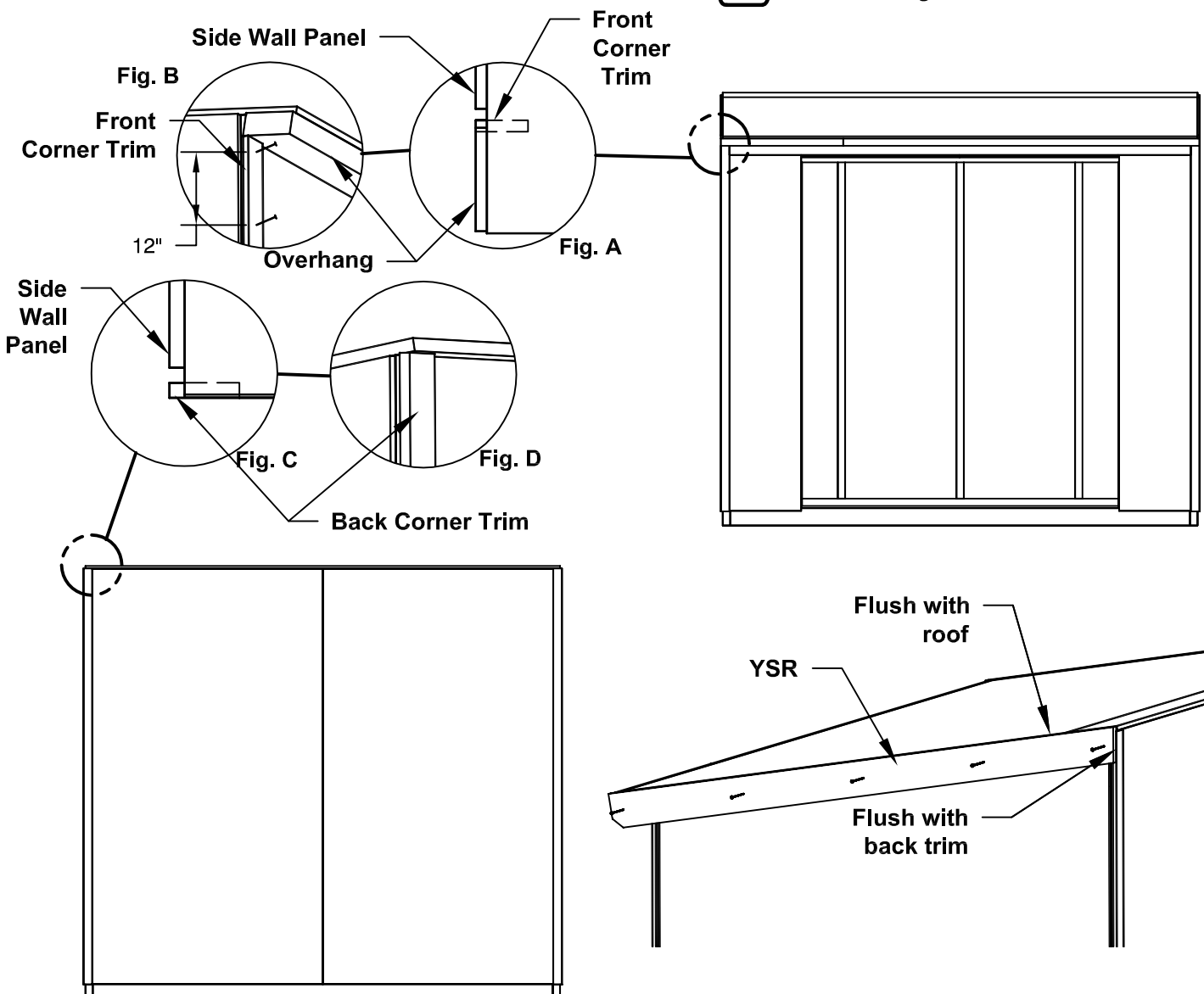
X40 1-1/2" Finish Nails

ASSEMBLY STEPS / NOTES:

1. Locate 74-7/16" front trim on the front wall flush to outside of the side wall panel (Fig A) and against the overhang (Fig. B) with primed side facing out. Install using 2" finish nails 12" apart.
2. Locate 84" back trim on the back wall flush to outside of the side wall panel (Fig C) and against the Roof Panel (Fig. D) with primed side facing out. Install using 2" finish nails 12" apart.
3. Repeat process for the other front and back corner.
4. Position **YSR** on the right side of the shed primed side out. The back of **YSR** will be flush with the corner trim and the top will be flush with the top of the roof panel. Nail using five 2" finish nails evenly spaced.
5. Repeat step 4 for the left gable trim **YSL**.

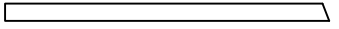
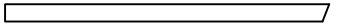
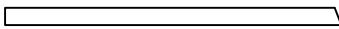
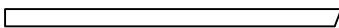
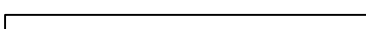


For all trim parts the primed side is facing out!!



TRIM

Parts Required:

X1	3/8 x 1-3/4 x 73-1/8"	Side Corner Trim Front Right	
X1	3/8 x 1-3/4 x 73-1/8"	Side Corner Trim Front Left	
X1	3/8 x 1-3/4 x 81-1/8"	Side Corner Trim Back Right	
X1	3/8 x 1-3/4 x 81-1/8"	Side Corner Trim Back Left	
X1	3/8 x 2-1/4 x 93-1/4"	Upper Horizontal Trim	

Fasteners Required:

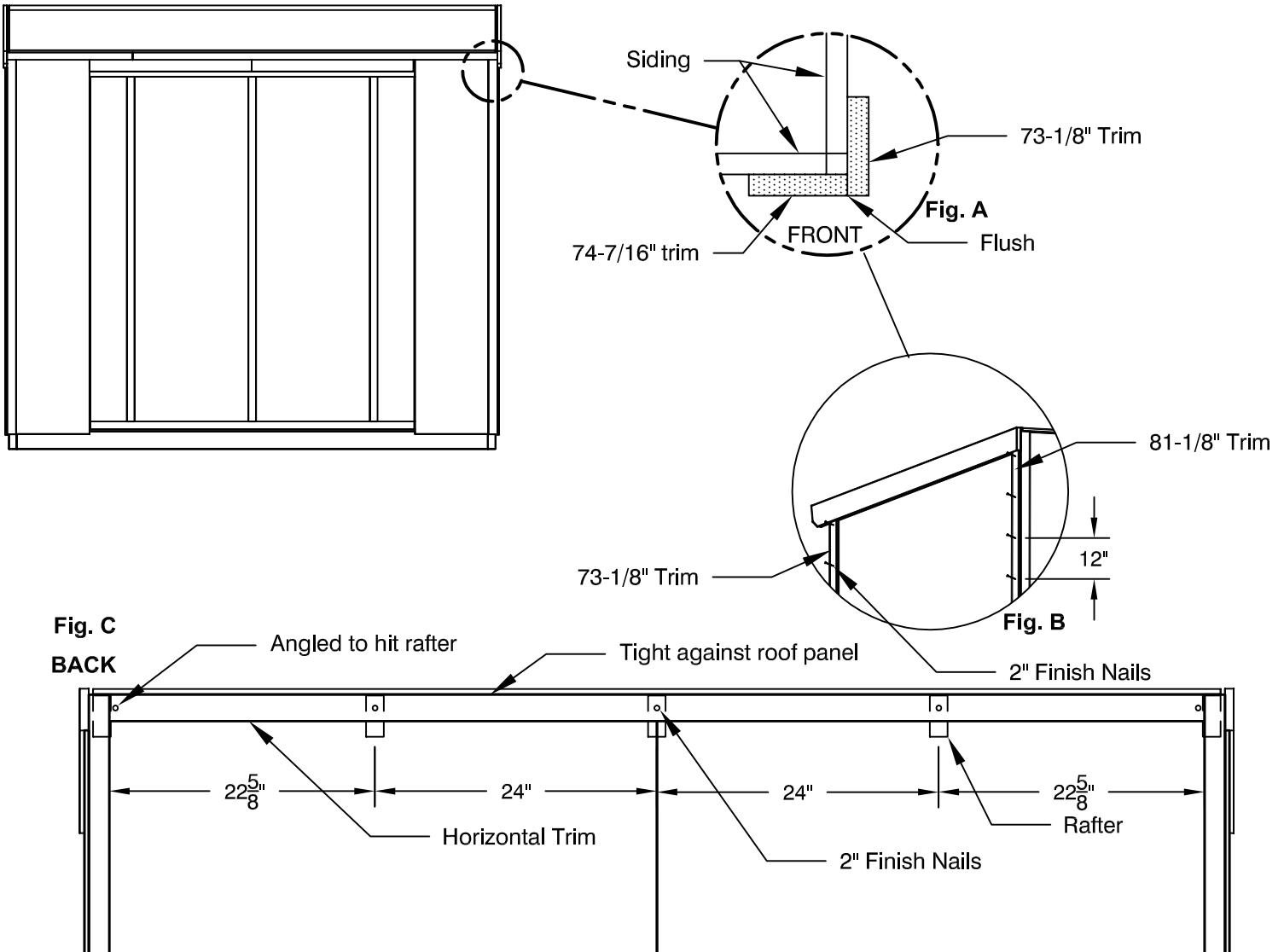
X32 2" Finish Nails

ASSEMBLY STEPS / NOTES:

1. Side Trim Front (73-1/8") are positioned so that the front edge of the trim is flush with the front trim (Fig. A) and the top is flush to the Side Gable Trim (Fig. B) primed side out. Nail into place with 2" finish nails spaced 12" apart. Repeat this for the Side Back Trim (81-1/8") on both sides.
2. The Back Horizontal Trim (93-1/4") is positioned so the top is flush with the top of the back corner trim (Fig. C). Install primed side out with 2" finish nails spaces 12" apart.



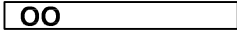
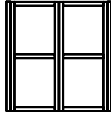
For all trim parts the primed side is facing out!!



DOORS

Parts Required:

- X1 Door Right
- X1 Door Left
- X2 2 x 3 x 69"



Fasteners Required:

- X4 3" Screws
- X40 3/4" Screws

ASSEMBLY STEPS / NOTES:

1. Reinforce the doors using 3/4" screws from behind the door into the trim. Hint - lay doors flat (Fig. A) for easier screw installation. Install screws to the pattern shown (Fig B).
2. Flip doors back over and orient the doors together so the 3/8" offset is to the same side (Top of door) as shown. Look for GREEN for LEFT door and RED for the RIGHT door. The bottom edges of the doors are flush.
3. Screw on temporary supports across the door trim (Fig C). Use **OO** and **GAA** and tighten screws. Screw point should not protrude from the back of the door.

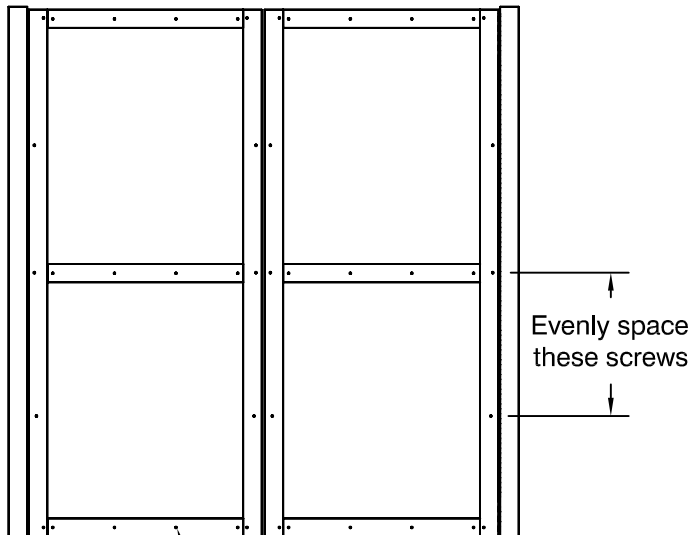


Fig. B

(2) Screws at seams

(4) 3" Screws in **OO**
Tighten until screw point is flush with back of door

Bottom of doors are flush

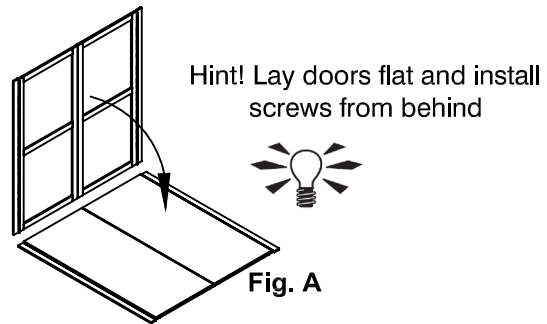
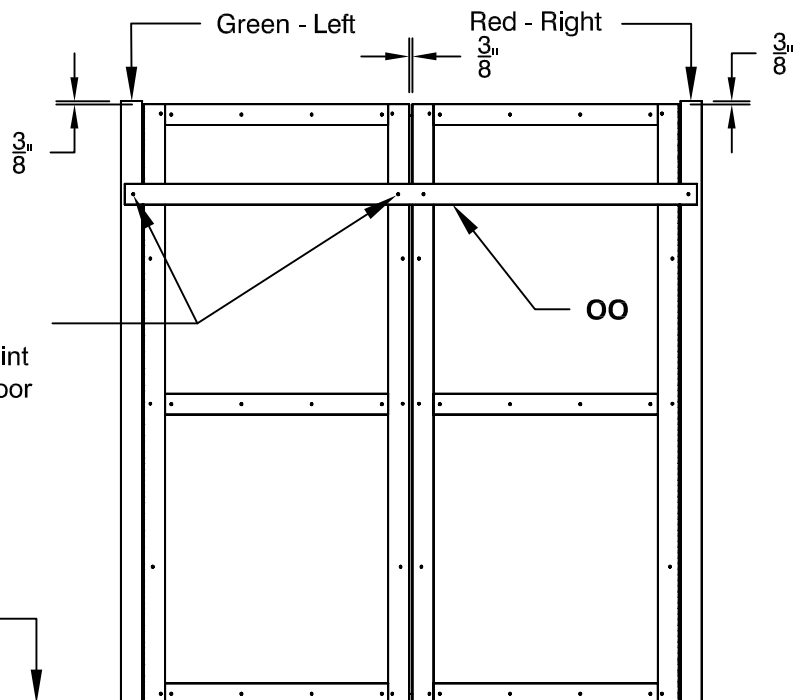


Fig. A

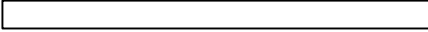
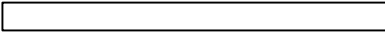
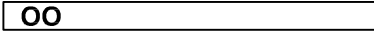


The 3/8" offset is the top of the door



DOORS

Parts Required:

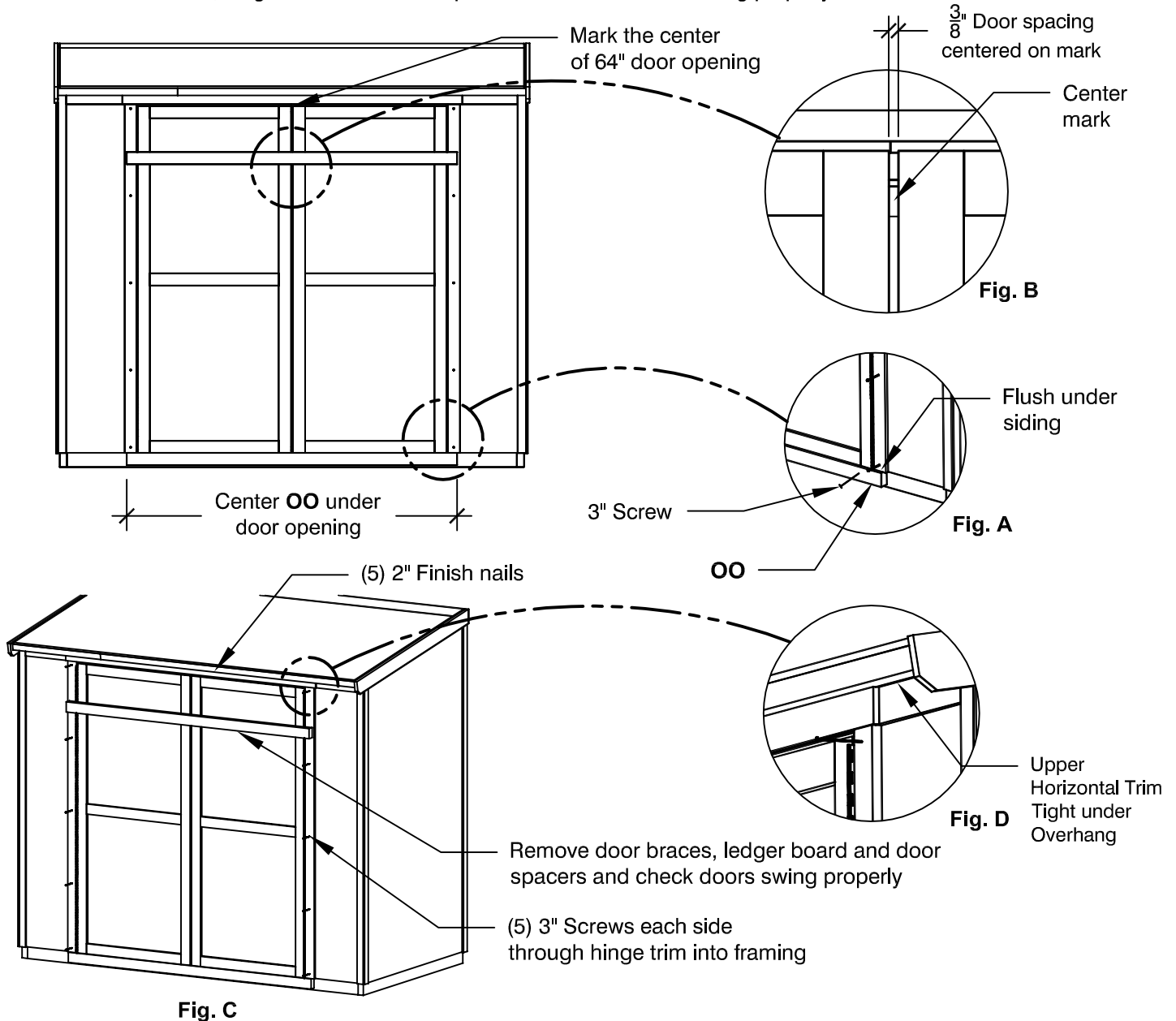
X1	3/8 x 2-1/4 x 93-1/4"	
X1	3/8 x 2-1/4 x 70-1/4"	
X1	2 x 3 x 69"	OO 
X1	Door Assembly	

Fasteners Required:

X13	2" Finish Nails
X12	3" Screws

ASSEMBLY STEPS / NOTES:

1. Locate Upper Horizontal Trim (3/8 x 2-1/4 x 93-1/4"), primed side out, tight against overhang (Fig. D). Secure with eight 2" finish nails 12" apart.
2. Mark the center of the 64" door opening. Then install **OO** flush under siding using two 3" screws (Fig. A). The doors will rest on **OO** for easier installation
3. Place the door assembly on **OO** with the 3/8" gap centered on the mark (Fig. B). Screw hinge boards into wall framing using 3" screws spaced evenly as shown (Fig. C). **!! Make sure screws go into framing !!**
4. Locate over door trim (3/8 x 2-1/4 x 70-1/4") centered over doors. Trim may fit snug between door and overhang, may need to be tapped into place. Secure using five 2" finish nails (Fig. D).
5. Remove the door braces, ledger board and door spacers. Check the doors swing properly.



DOORS

Parts Required:

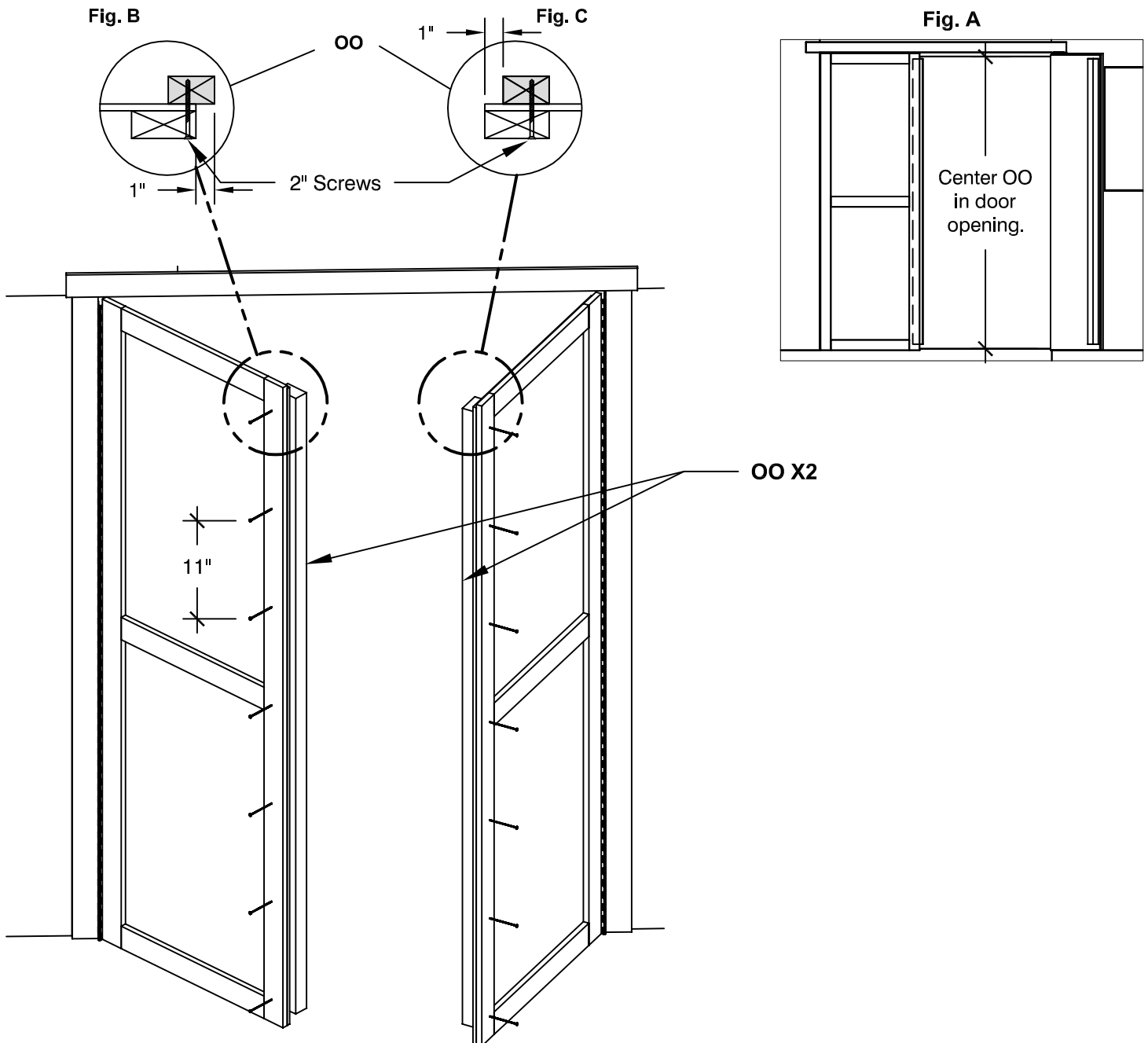
X2 2 x 3 x 69" **OO**

Fasteners Required:

X14 2" Screws

ASSEMBLY STEPS / NOTES:

1. With left door closed, center a weatherstrip **OO** vertically on the left door in the door opening (Fig. A). **OO** will offset the left door 1" **OUT** past the door (Fig. B). Secure **OO** using seven 2" screws through outside trim into **OO**.
2. On the right door center **OO** vertically in door opening (Fig. A). **OO** will offset the right door 1" **IN** from the door trim (Fig. C). Secure **OO** using seven 2" screws through outside.



DOORS

Parts Required:

- X2 Spring Loaded Bolts w/Screws
- X1 Door Handle

Fasteners Required:

- X8 1" Screws
- X2 1-1/2" Screws

ASSEMBLY STEPS / NOTES:

1. Place upper bolt onto **OO** in open position with bolt end $\frac{1}{4}$ " down from frame. Bolt is open when loop is contacting base (Fig. A). Mark and pre-drill holes.
2. Install bolt with screws supplied and drill a $\frac{5}{16}$ " hole for bolt to extend into (Fig. A).
3. Place lower bolt onto **OO** in open position with bolt end $\frac{1}{2}$ " up from floor. Bolt is open when loop is contacting base. (Fig.B). Mark and pre-drill holes for screws.
4. Install bolt with screws supplied and drill a $\frac{5}{16}$ " hole for bolt to extend into (Fig. B)
5. Measure up 35-3/4" and drill a $\frac{1}{4}$ " hole thru door and part **OO** (Fig. C). Re-drill the hole larger with a $\frac{1}{2}$ " drill. Be careful to avoid breaking thru **OO**. Attach handle with screws supplied. (Fig. D).

Fig. A

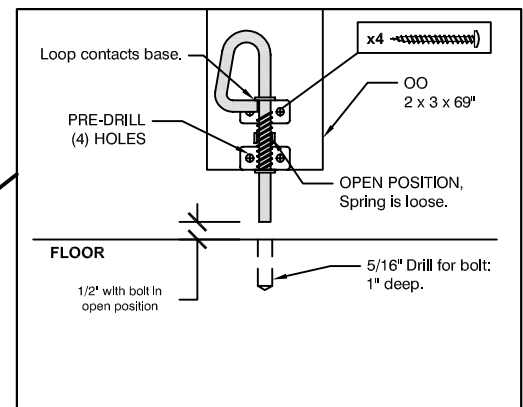
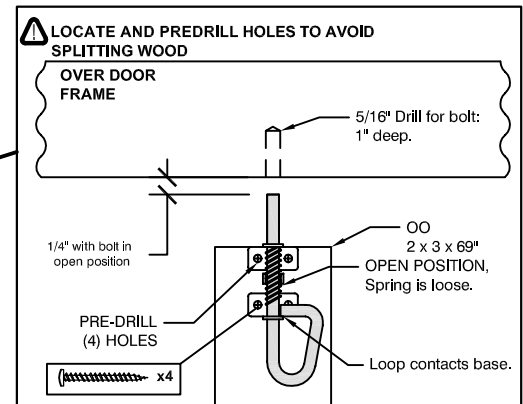
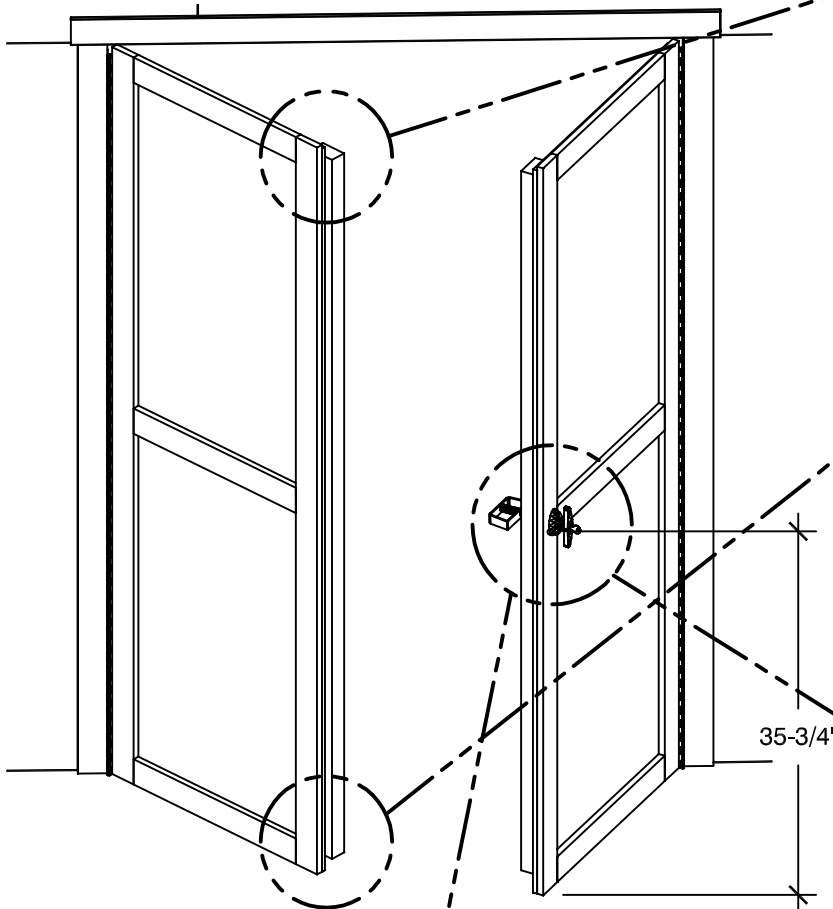


Fig. B



Keep drill square to avoid breaking through

Fig. C

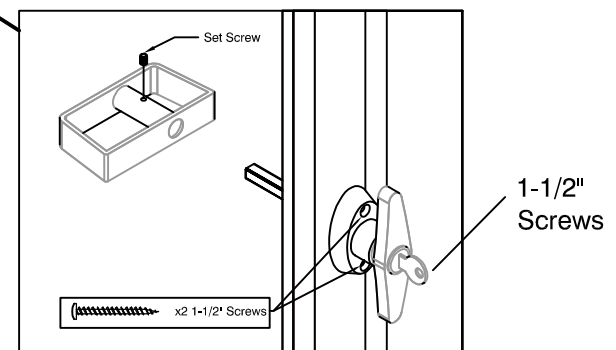
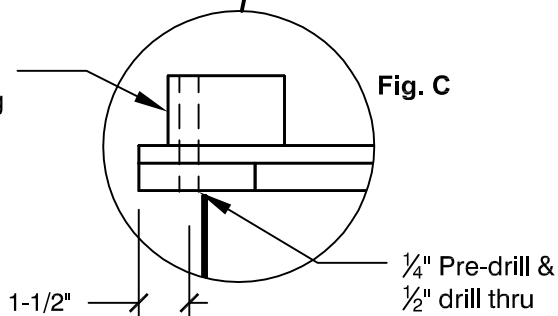




Fig. D

FASCIA

Parts Required:

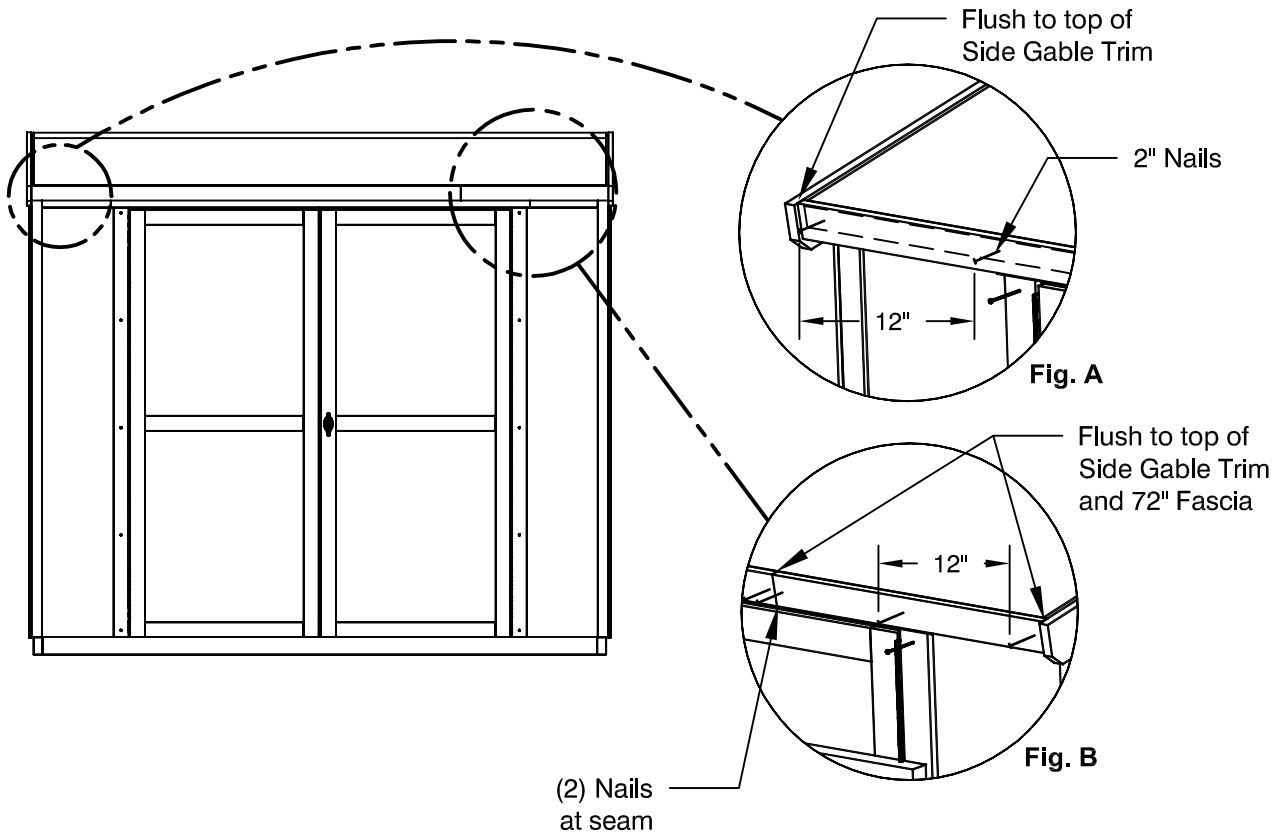
X1 19/32 x 2-1/2 x 72" **ZJ** 
X1 19/32 x 2-1/2 x 24-3/4" **CYZ** 

Fasteners Required:

X10 2" Nails

ASSEMBLY STEPS / NOTES:

1. Position the 72" Fascia **ZJ** against the overhang and left side gable trim **YSL**, with the top flush with the top of **YSL**. Primed side facing out. Nail in place with 2" nails 12" apart into the overhang (Fig A).
2. Position the 24-3/4" Fascia **CYZ** in-between **ZJ** and the side gable trim **YSR**. Keep the top flush with **ZJ** and **YSR**. Nail in place with 2" nails 12" apart into the overhang (Fig B).



PAINT & CAULK

- NOT INCLUDED -



- Use acrylic 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

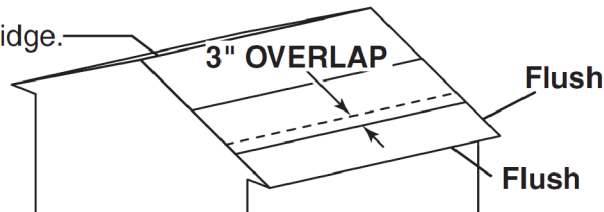
Note: Prime all in-primed exterior wood before painting. (Follow directions provided by manufacturer.)

ROOF FELT

- NOT INCLUDED -

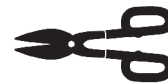
- Install felt flush to all roof edges overlapping 3". Use minimal amount of roofing nails to hold in place.

OK to overlap at ridge.

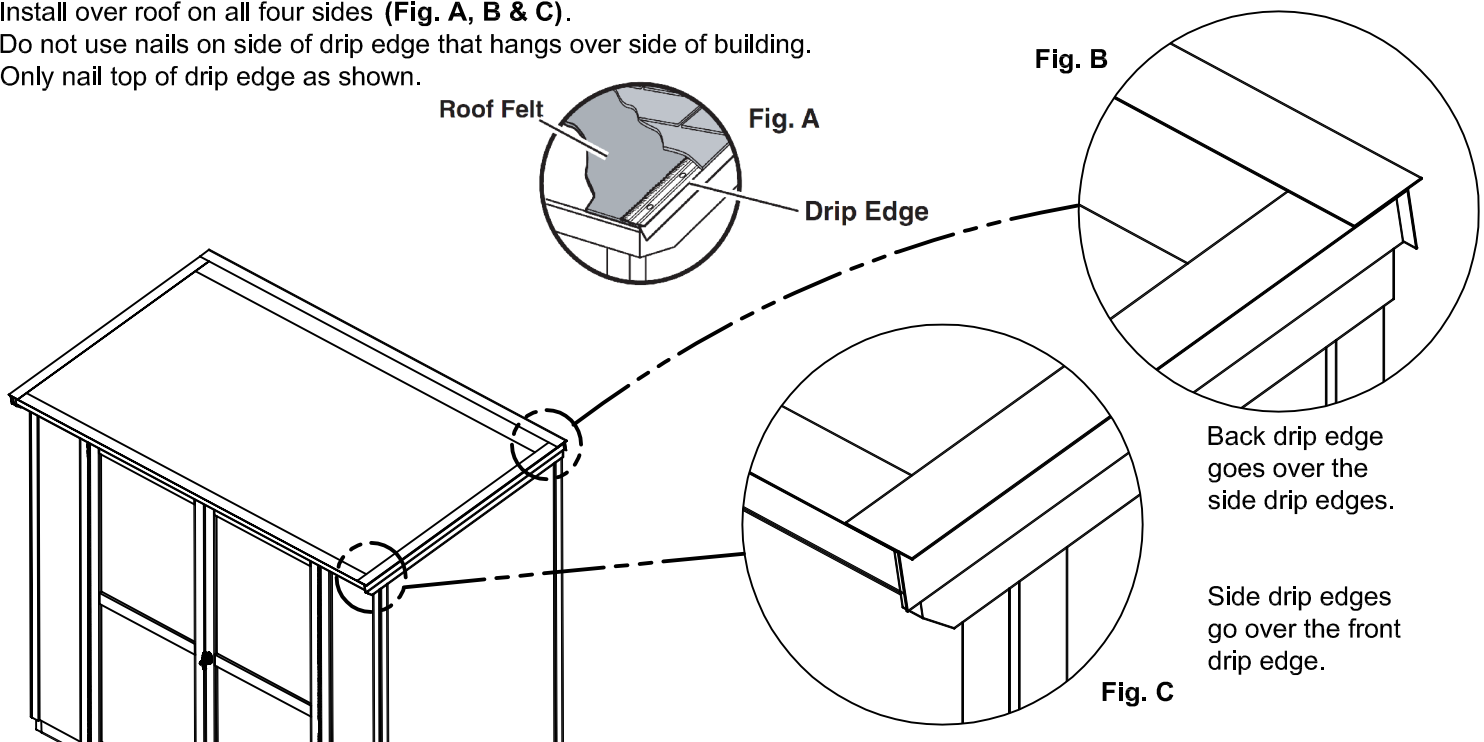


DRIP EDGE

- NOT INCLUDED -



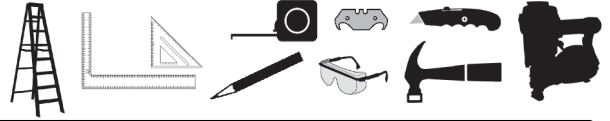
- Install over roof on all four sides (**Fig. A, B & C**).
- Do not use nails on side of drip edge that hangs over side of building.
- Only nail top of drip edge as shown.



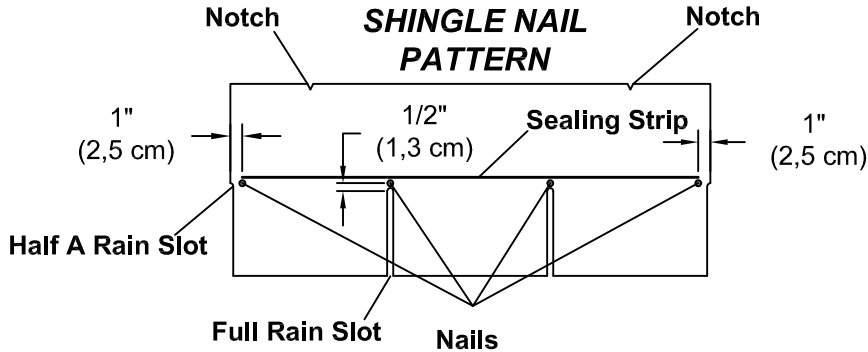
SHINGLES

- NOT INCLUDED -

- Follow directions provided by manufacturer and these instructions.



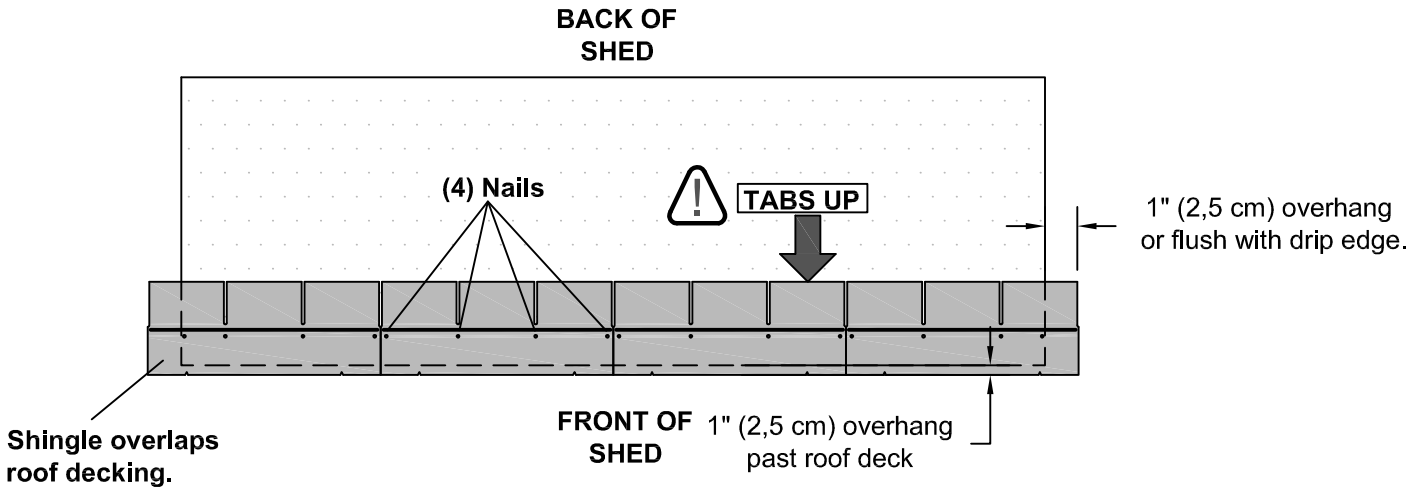
! Familiarize yourself with a 3-Tab Shingle.



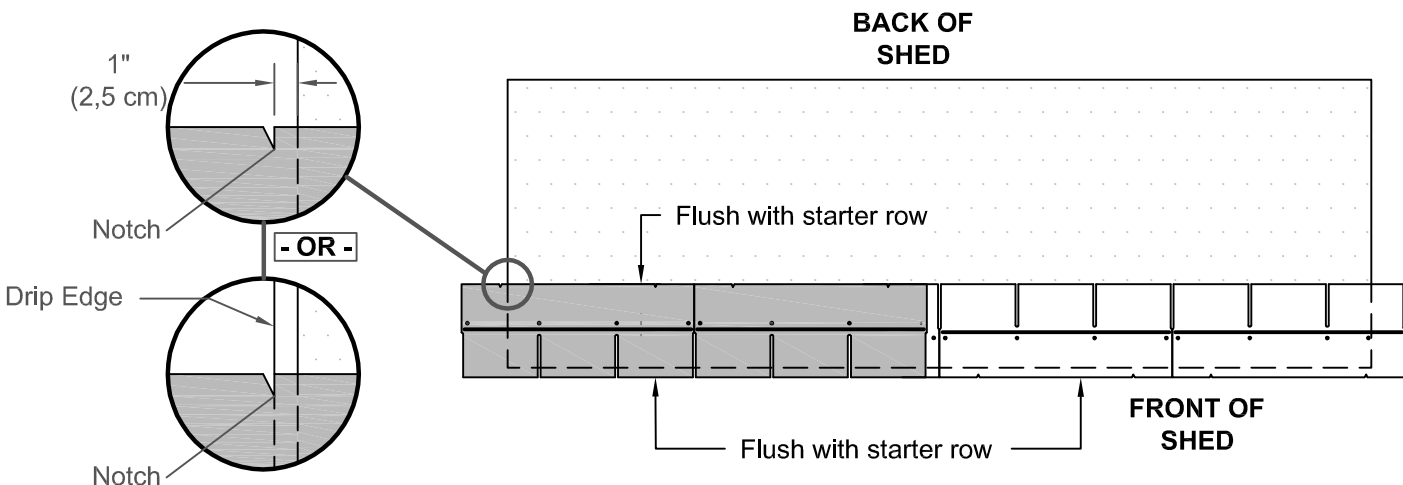
! NEVER DRIVE FASTENERS INTO OR ABOVE SEALING STRIPS.

✓ BEGIN

- 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 with drip edge.



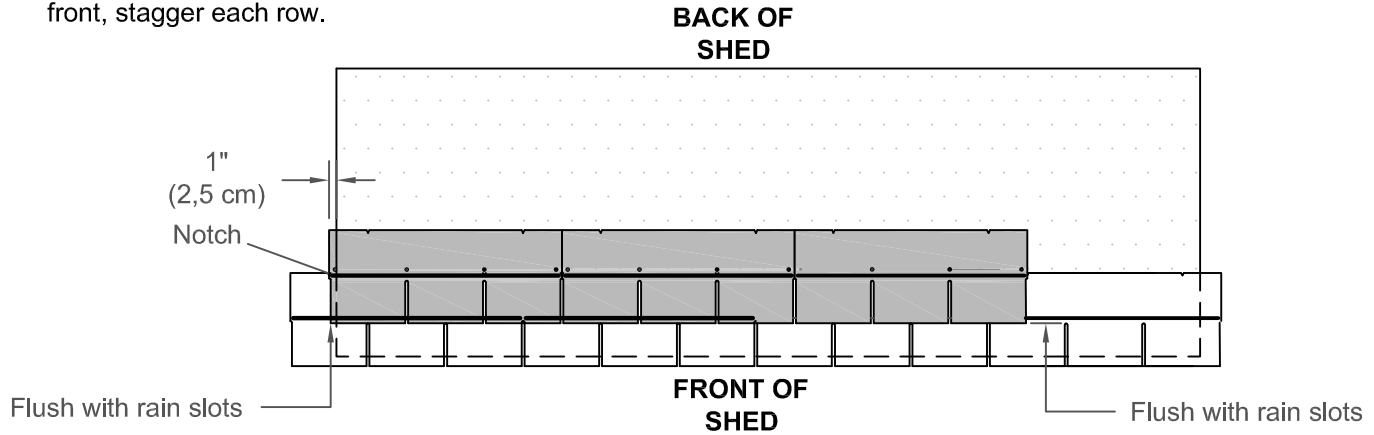
- Beginning at front of shed, install first row of shingles with notch at 1" past roof edge or flush with drip edge.



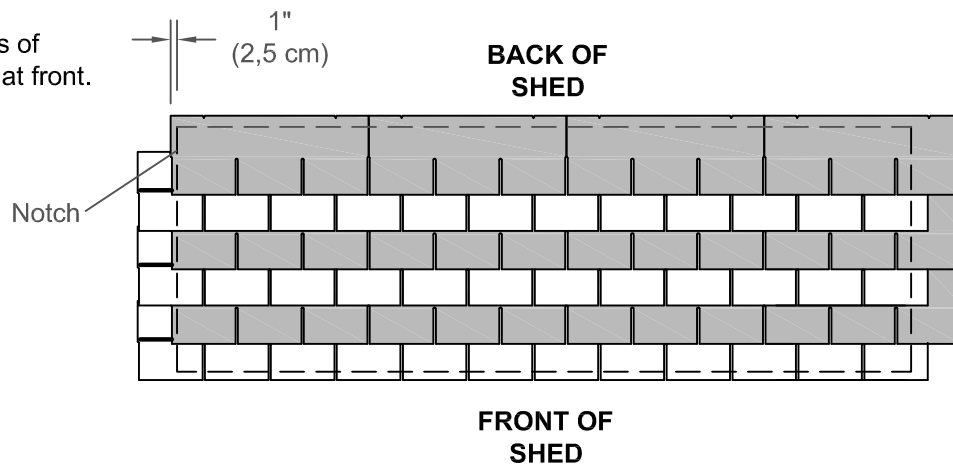
SHINGLES

continued...

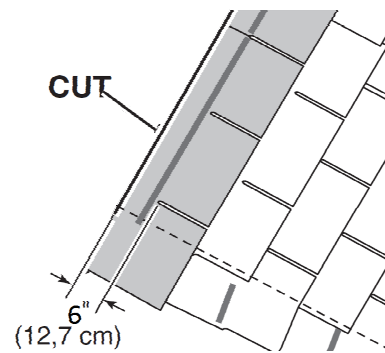
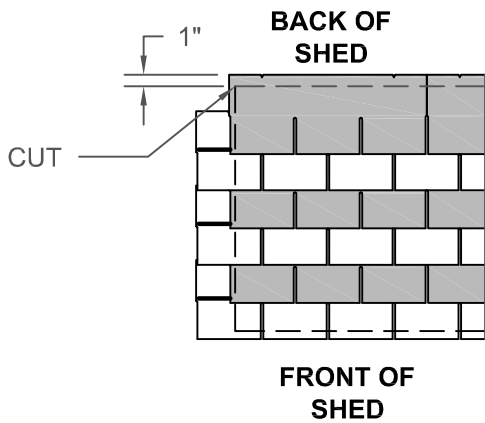
3. Install second row of shingles flush at top of first row's rain slots. Ensure 1" overhang or flush to drip edge at front, stagger each row.



4. Continue installing rows of shingles by staggering at front.



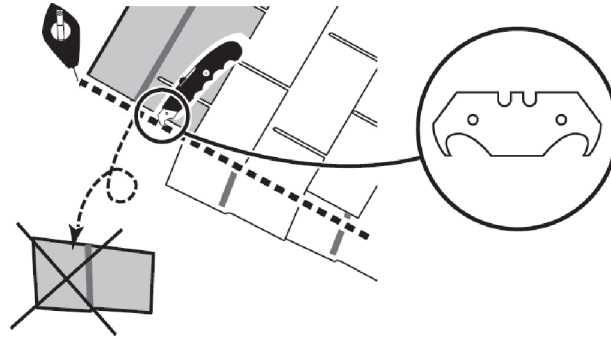
5. At the peak make cut 1" off the second to last row and 6" off the top row.



SHINGLES

continued...

6. Strike a chalk line 1" from the edge.
7. Using your shingle hooked blade carefully cut along the chalk line.



FINISH

8. You have finished shingling your roof.

WARRANTY

Backyard Storage Solutions, LLC warrants the following:

**Limited Conditional
Warranty ***

1. Every product is warranted from defects in workmanship and manufacturing for one year.
2. All hardware and metal components are warranted for two years.
3. Trim is warranted for 10 years.
4. Waferboard siding and sheathing is warranted for two years.
5. SmartSide™ siding is warranted for 10 years on all Marco series buildings and 15 years on all Premier Series buildings.
6. Timber series buildings' siding and trim are warranted for 10 years.
7. Solar Shed windows are warranted for 1 year.
8. Cedar lumber is warranted for 15 years.
9. Cedar doors and Cedar Garden Center are warranted for 10 years.
10. 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 & Playhouses

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 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 SmartSide™ and waferboard siding to include all exterior walls and all sides and all edges of doors.

Gazebos, Pergolas & Timber Buildings

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 timber building 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 prepare a letter. Please have ready the information below when you call or include the information when writing:

1. The model and size of the product.
2. A list of the part(s) for which the claim is made.
3. Proof of purchase of the Backyard Storage Solutions, LLC item, as shown on the original invoice.
4. Run code, as listed on the yellow warranty card enclosed in the product package.

Mail the above information 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.

Please complete and mail your warranty card to properly validate your warranty.