

16777



Call Us First!
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 6:00 PM EST

Saturday 8:30 AM to 4:30 PM EST

November through March M - F 8:00 AM to 5:00 PM EST

USE THIS MANUAL
FOR YOUR EXTENDED CLASSIC ESTATE.

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A Backyard Products Company

16777

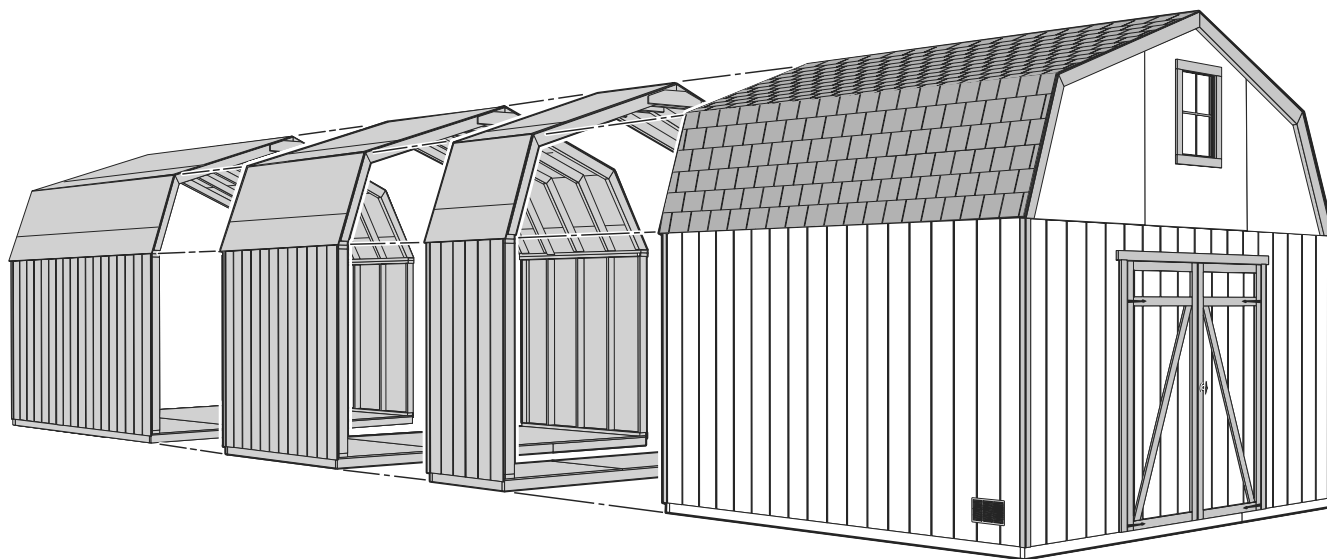
1/19/2012

ASSEMBLY MANUAL

CLASSIC ESTATE GAMBREL 12' x 12' (304,8 x 365,8 cm)

	BUILDING SIZE	ACTUAL FLOOR SIZE
BASE MODEL	12' x 12' (365,8 x 365,8 cm)	12' x 12' (365,8 x 365,8 cm)
ADD 12' x 4'	12' x 16' (365,8 x 487,7 cm)	12' x 16' (365,8 x 487,7 cm)
ADD 12' x 8'	12' x 20' (365,8 x 609,6 cm)	12' x 20' (365,8 x 609,9 cm)
ADD ONE 12' x 4'	12' x 24' (365,8 x 731,5 cm)	12' x 24' (365,8 x 731,5 cm)
ADD ONE 12' x 8'		

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 with local building department and homeowners association for specific restrictions and/ or requirements before building.

- **ENGINEERED DRAWINGS**

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

- **SURFACE PREPARATION**

To ensure proper assembly you must build your shed on a level surface. Recommended methods and materials to level your shed are listed on page 12.

- **CHECK ALL PARTS**

Inventory all parts listed on pages 4 - 9. 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 4 for required and optional materials and quantities.









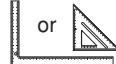

- CUSTOMER SERVICE -



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


TOOLS


Required

- ☐ Phillips Screwdriver 
- ☐ Drill / Driver 
 - ☐ 1/8" Drill Bit
 - ☐ 3/8" Drill Bit
 - ☐ #2 Philips Drive Bit
- ☐ Hammer 
- ☐ Level 
- ☐ Pencil 
- ☐ Tape Measure 
- ☐ Square  or 

- ☐ Utility Knife 
- ☐ Shingle Blades 

- ☐ Caulk Gun 

- ☐ Paint Tools 

- ☐ Safety Glasses 


- ☐ Ladder 
- ☐ WoodGlue 

Optional

- ☐ Tool Belt/ Nail Pouch 

- ☐ Tin Snips (for drip edge) 

- ☐ Chalk Line 

- ☐ Nail Gun 
 - gun nails

- ☐ Gloves 

- ☐ Sawsall 

Safety! Always use approved safety glasses during assembly.

HELPFUL REMINDER SYMBOLS

Look for these symbols for helpful reminders throughout this manual.



= Assistance Required; two or more people.



= Ensure squareness.



= Important required step or operation.



= Helpful assembly hint.



= Mark part with pencil.



BEGIN = Beginning of steps for assembly or installation.



FINISH = You have finished the assembly or installation.

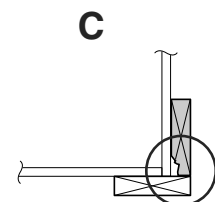
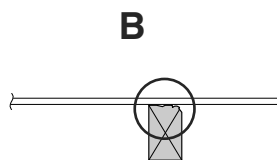
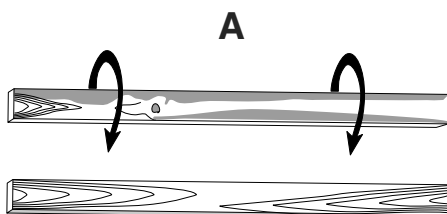


= Level

ORIENT LUMBER AND TRIM FOR BEST APPEARANCE

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

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



ADDITIONAL MATERIALS

COMPLETING YOUR SHED

You will need these additional materials:

	12x12'	12x16'	12x20'	12x24'	ALL SIZES
<input type="checkbox"/> 3-TAB SHINGLES (Bundles)	8	11	14	15	<input type="checkbox"/> PAINT FOR TRIM 1 Quart Use 100% acrylic latex exterior paint.
<input type="checkbox"/> PAINT FOR SIDING (Gallons) Use 100% acrylic latex exterior paint. (2) coats recommended.	2½	3	3	4	<input type="checkbox"/> WOOD GLUE Exterior Rated
<input type="checkbox"/> 1" GALVANIZED ROOFING NAILS (lbs). For shingles.	2	3	4	5	<input type="checkbox"/> CAULK 3 Tubes Use acrylic latex exterior caulk that is paintable.

OPTIONAL MATERIALS

	12x12'	12x16'	12x20'	12x24'
<input type="checkbox"/> DRIP EDGE (Feet).....	40	40	40	40
<input type="checkbox"/> #15 ROOFING FELT (Sq ft. to cover).....	195	260	325	390
<input type="checkbox"/> 1" GALVANIZED ROOFING NAILS (lbs).... For roofing felt.	¼	¼	½	¾





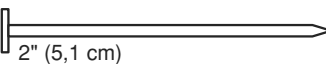
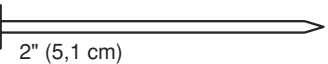


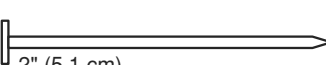
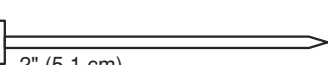
REFER TO THE BACK OF THIS MANUAL AND THE MANUFACTURER'S INSTRUCTIONS FOR INSTALLATION OF SHINGLES, DRIP EDGE AND FELT.

FLOOR PANELS (Not Included)

You will need floor panels and nails to complete your floor.

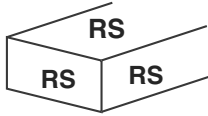
Floor panel sizes and quantities are shown below.

NOTE: Use a minimum of 5/8" (1,6 cm) Oriented Strand Board (OSB)

12x12'	12x20'
<input type="checkbox"/> x4  5/8" x 48" x 96" (1,6 x 121,9 x 243,8 cm)	<input type="checkbox"/> x7  5/8" x 48" x 96" (1,6 x 121,9 x 243,8 cm)
<input type="checkbox"/> x1  5/8" x 48" x 48" (1,6 x 121,9 x 121,9 cm)	<input type="checkbox"/> x1  5/8" x 48" x 48" (1,6 x 121,9 x 121,9 cm)
<input type="checkbox"/> x1  1 lb. of 2" (5,1 cm) Hot Dipped Galvanized Box-Type Nails.	<input type="checkbox"/> x2  1 lb. of 2" (5,1 cm) Hot Dipped Galvanized Box-Type Nails.
12x16'	12x24'
<input type="checkbox"/> x2  5/8" x 48" x 96" (1,6 x 121,9 x 243,8 cm)	<input type="checkbox"/> x9  5/8" x 48" x 96" (1,6 x 121,9 x 243,8 cm)
<input type="checkbox"/> x1  1 lb. of 2" (5,1 cm) Hot Dipped Galvanized Box-Type Nails.	<input type="checkbox"/> x2  1 lb. of 2" (5,1 cm) Hot Dipped Galvanized Box-Type Nails.

PARTS IDENTIFICATION AND SIZES

Double letter part identification is stamped on some parts.



• Check these locations for part stamp.

WOOD SIZE CONVERSION CHART

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

12x12'



CLASSIC ESTATE 12' X 12' PARTS LIST

INVENTORY YOUR PARTS before you begin.

We suggest sorting parts by the category they are listed in.

WALL

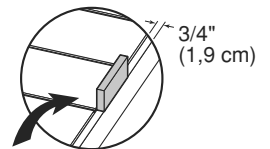
- ☐ x5 **UU** 2 x 4 x 9" (5,1 x 10,2 x 22,9 cm)
- ☐ x4 **QL** 2 x 4 x 39" (5,1 x 10,2 x 99,1 cm)
- ☐ x2 **SKA** 2 x 4 x 40" (5,1 x 10,2 x 101,6 cm)
- ☐ x6 **STL** 2 x 4 x 44-1/2" (5,1 x 10,2 x 113 cm)
- ☐ x5 **SP** 2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)
- ☐ x1 **AM** 2 x 4 x 67" (5,1 x 10,2 x 170,2 cm)
- ☐ x2 **UM** 2 x 4 x 68" (5,1 x 10,2 x 172,7 cm)
- ☐ x23 **AI** 2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)
- ☐ x6 **TJ** 2 x 4 x 92-1/2" (5,1 x 10,2 x 235 cm)
- ☐ x5 **TP** 2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

RAFTERS

- ☐ x14 **PRE-ASSEMBLED**
- ☐ x12 3/8 x 6 x 24" (1 x 15,2 x 61 cm)
- ☐ x2 **SX** 2 x 4 x 60" (3,8 x 8,9 x 152,4 cm)
- ☐ x2 7/16 x 3-1/2 x 24" (1,1 x 8,9 x 61 cm) **COLLAR TIE GUSSET**

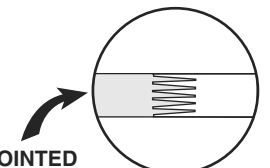
TRIM

- ☐ x2 **KX** 19/32 x 2-1/2 x 21-3/4" (1,5 x 6,4 x 55,2 cm)
- ☐ x2 **KW** 19/32 x 2-1/2 x 25" (1,5 x 6,4 x 63,5 cm)
- ☐ x2 **ZJL** 19/32 x 4 x 36" (1,5 x 10,2 x 91,4 cm)
- ☐ x2 **ZJR** 19/32 x 4 x 36" (1,5 x 10,2 x 91,4 cm)
- ☐ x2 **ZOL** 19/32 x 4 x 60-7/8" (1,5 x 10,2 x 154,6 cm)
- ☐ x2 **ZOR** 19/32 x 4 x 60-7/8" (1,5 x 10,2 x 154,6 cm)
- ☐ x1 **GAA** 1 x 3 x 5" (2,5 x 7,6 x 12,7 cm) **ONE USED AS A GAUGE BLOCK FOR 3/4" (1,9 cm) MEASUREMENT**
- ☐ x4 3/8 x 1-3/4 x 82-1/4" (1 x 4,4 x 208,9 cm)
- ☐ x4 3/8 x 1-3/4 x 83-1/2" (1 x 4,4 x 212,1 cm)

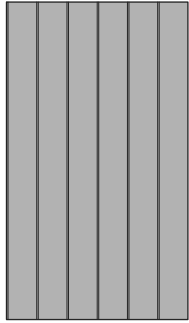


DOOR

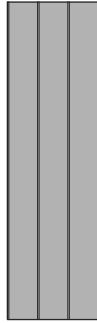
- ☐ x2 **AH** 19/32 x 2-1/2 x 26-5/8" (1,5 x 6,4 x 67,6 cm)
- ☐ x1 **AHL** 19/32 x 3 x 62" (1,5 x 7,6 x 157,5 cm)
- ☐ x1 **AHR** 19/32 x 3 x 62" (1,5 x 7,6 x 157,5 cm)
- ☐ x1 **ZJ** 19/32 x 3 x 72" (1,5 x 7,6 x 182,9 cm)
- ☐ x2 **OO** 2 x 3 x 69" (5,1 x 7,6 x 175,3 cm) **FINGER JOINTED**



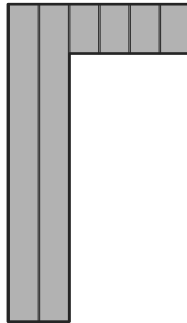
WALL PANEL & DOORS PARTS LIST



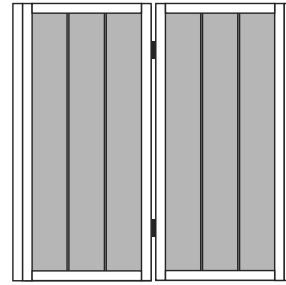
☐ **x9**
3/8 x 48 x 84"
(1 x 121,9 x 213,4 cm)



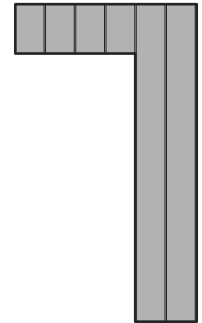
☐ **x2**
3/8 x 23-7/8 x 84"
(1 x 60,6 x 213,4 cm)



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



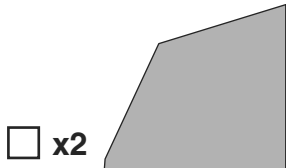
☐ **x1** ☐ **x1**
LEFT DOOR **RIGHT DOOR**



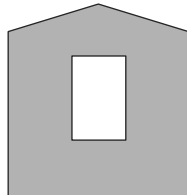
☐ **x1**
3/8 x 48 x 84"
(1 x 121,9 x 213,4 cm)

NOTE: Panel parts are not stamped with part identification.

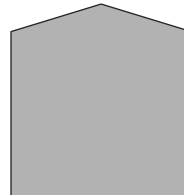
GABLE PANELS



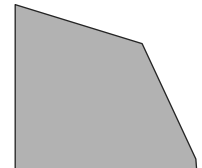
☐ **x2**
3/8 x 43-3/8 x 48"
(1 x 110,2 x 121,9 cm)



☐ **x1**
3/8 x 50-7/8 x 48"
(1 x 129,2 x 121,9 cm)



☐ **x1**
3/8 x 50-7/8 x 48"
(1 x 129,2 x 121,9 cm)



☐ **x2**
3/8 x 43-3/8 x 48"
(1 x 110,2 x 121,9 cm)

ROOF PANELS



☐ **x2** 48" x 96"
(121,9 x 243,8 cm)



☐ **x2** 47-7/8" x 48"
(121,6 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)



☐ **x2** 12-1/2" x 96"
(31,8 x 243,8 cm)



☐ **x2** 12-1/2" x 48"
(31,8 x 121,9 cm)



☐ **x2** 11-7/8" x 96"
(30,2 x 243,8 cm)



☐ **x2** 11-7/8" x 48"
(30,2 x 121,9 cm)

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

LOFT PARTS LIST



☐ **x1** **PT**
2 x 3 x 96" (5,1 x 7,6 x 243,8 cm)



☐ **x1** **NK**
2 x 3 x 48" (5,1 x 7,6 x 121,9 cm)



☐ **x4** **TP**
2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)



☐ **x4** **SP**
2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)



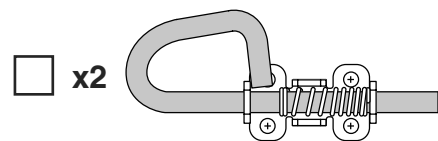
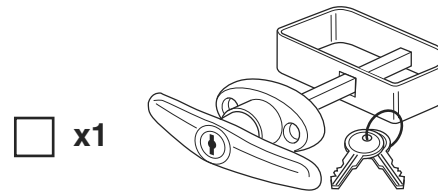
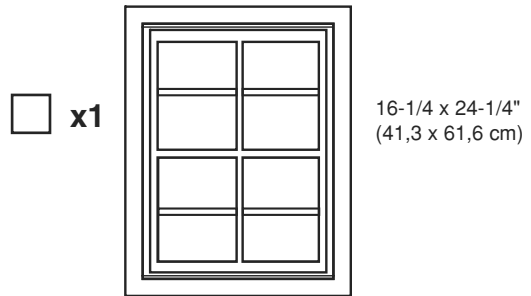
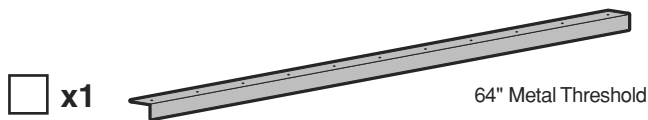
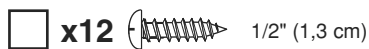
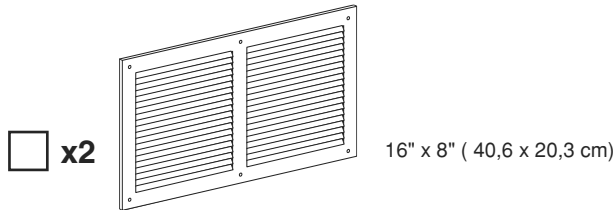
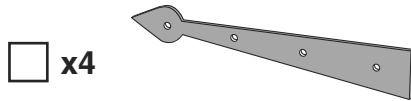
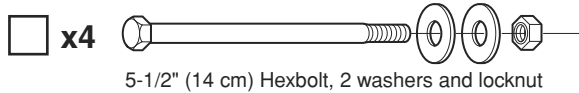
☐ **x1**
7/16 x 48 x 96" (1,1 x 121,9 x 243,8 cm)



☐ **x1**
7/16 x 40-7/8 x 48" (1,1 x 103,8 x 121,9 cm)

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

Other HARDWARE



NAIL BOXES

12x12'



x4 BOXES

12x16'



x6 BOXES

12x20'



x7 BOXES

12x24'



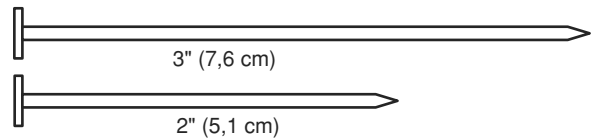
x8 BOXES

x6 BOXES

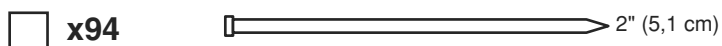
x8 BOXES

x10 BOXES

x12 BOXES



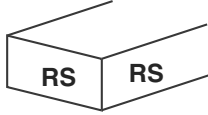
FASTENER/HARDWARE BAG



PARTS IDENTIFICATION AND SIZES

NOTE: For 12 x 12' Extender, take inventory for 12' x 8' + 12' x 4' kits.

Part identification is stamped on some parts.



• Check these locations for part stamp.

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

12x4'



CLASSIC ESTATE 12' x 4' EXTENDER KIT PARTS LIST

INVENTORY YOUR PARTS before you begin.

We suggest sorting parts by the category they are listed in.

WALL

- ☐ x2 **SP** 2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)
- ☐ x4 **AI** 2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)
- ☐ x4 **TJ** 2 x 4 x 92-1/2" (5,1 x 10,2 x 235 cm)

RAFTERS

- ☐ x4 **PRE-ASSEMBLED**
- ☐ x4 3/8 x 6 x 24" (1 x 15,2 x 61 cm)
- ☐ x2 **SX** 2 x 4 x 60" (5,1 x 10,2 x 152,4 cm)
- ☐ x2 7/16 x 3-1/2 x 24" (1,1 x 8,9 x 61 cm) **COLLAR TIE GUSSET**

WALL PANELS

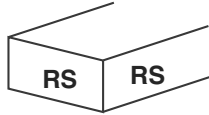
- ☐ x2 3/8 x 48 x 84" (1 x 121,9 x 213,4 cm)

ROOF PANELS

- ☐ x2 7/16 x 47-7/8 x 48" (1,1 x 121,6 x 121,9 cm)
- ☐ x2 7/16 x 23-7/8 x 48" (1,1 x 60,6 x 121,9 cm)
- ☐ x2 7/16 x 12-1/2 x 48" (1,1 x 31,8 x 121,9 cm)
- ☐ x2 7/16 x 11-7/8 x 48" (1,1 x 30,2 x 121,9 cm)

PARTS IDENTIFICATION AND SIZES

Part identification is stamped on some parts.



• Check these locations for part stamp.

WOOD SIZE CONVERSION CHART

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

12x8'



CLASSIC ESTATE 12' x 8' EXTENDER KIT PARTS LIST

INVENTORY YOUR PARTS before you begin.

We suggest sorting parts by the category they are listed in.

WALL

- ☐ x6 **TP** 2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)
- ☐ x8 **AI** 2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)

RAFTERS

- ☐ x8 **PRE-ASSEMBLED**
- ☐ x8 3/8 x 6 x 24" (1 x 15,2 x 61 cm)
- ☐ x4 **SX** 2 x 4 x 60" (5,1 x 10,2 x 152,4 cm)
- ☐ x4 7/16 x 3-1/2 x 24" (1,1 x 8,9 x 61 cm) **COLLAR TIE GUSSET**

WALL PANELS

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

ROOF PANELS

- ☐ x2 7/16 x 48 x 96" (1,1 x 121,9 x 243,8 cm)
- ☐ x2 7/16 x 23-7/8 x 96" (1,1 x 60,6 x 243,8 cm)
- ☐ x2 7/16 x 12-1/2 x 96" (1,1 x 31,8 x 243,8 cm)
- ☐ x2 7/16 x 11-7/8 x 96" (1,1 x 30,2 x 243,8 cm)

INSTRUCTION MANUAL LAYOUT



TABS ARE DISPLAYED AT THE OUTSIDE EDGE OF INSTRUCTION PAGES TO IDENTIFY MODEL SIZE.



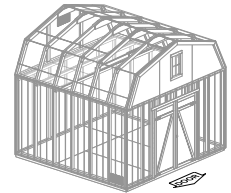
Use tabs to make sure you are following the correct instructions.

CLASSIC ESTATE
12' x 12'

CLASSIC ESTATE 12' x 12' :

Look for this tab throughout instructions.

If tab is not displayed, skip to next page including 12' x 12' tab



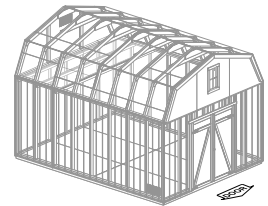
CLASSIC ESTATE
12' x 12'

CLASSIC ESTATE
12' x 16'

CLASSIC ESTATE 12' x 16' :

Look for this tab throughout instructions.

If tab is not displayed, skip to next page including 12' x 16' tab



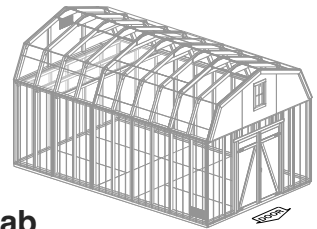
CLASSIC ESTATE
12' x 16'

CLASSIC ESTATE
12' x 20'

CLASSIC ESTATE 12' x 20' :

Look for this tab throughout instructions.

If tab is not displayed, skip to next page including 12' x 20' tab



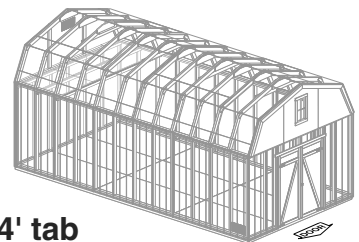
CLASSIC ESTATE
12' x 20'

CLASSIC ESTATE
12' x 24'

CLASSIC ESTATE 12' x 24' :

Look for this tab throughout instructions.

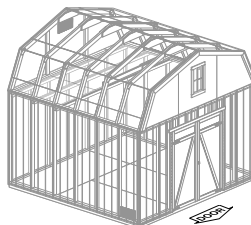
If tab is not displayed, skip to next page including 12' x 24' tab



CLASSIC ESTATE
12' x 24'



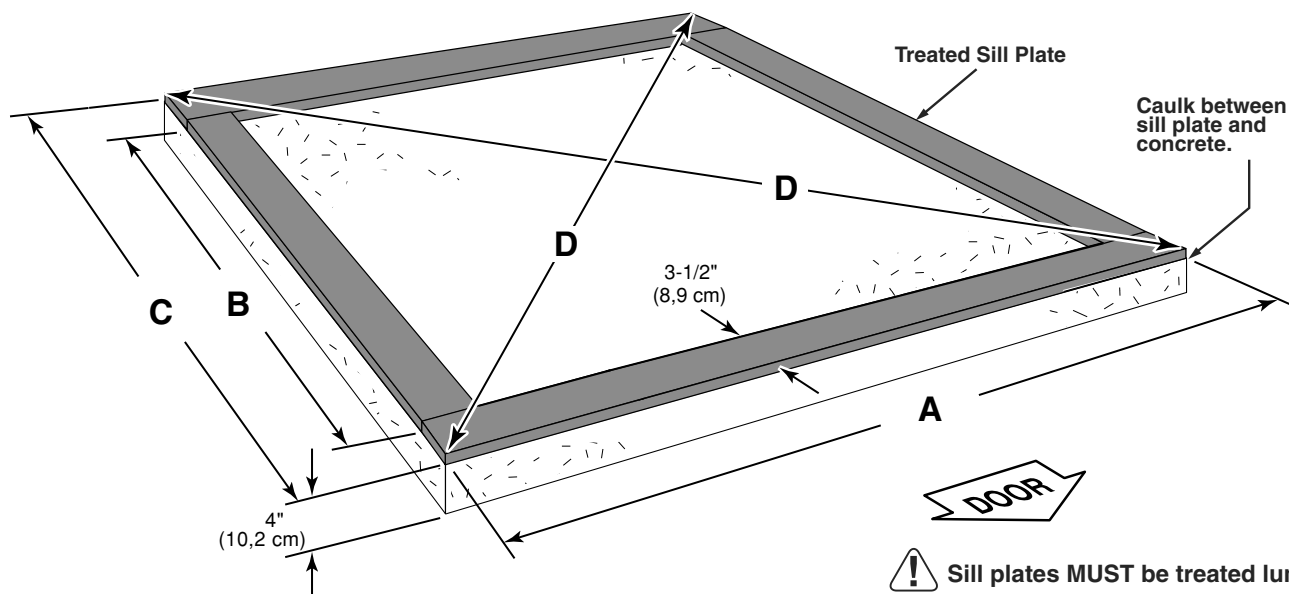
IF ALL TABS ARE DISPLAYED, FOLLOW ALL INSTRUCTIONS REGARDLESS OF MODEL SIZE.



NOTE: GABLE 12' x 12' image shown standard on pages applicable to all sizes.

CONCRETE FOUNDATION

If you choose to install your kit on a concrete slab refer to the diagram below. Attach the sill plates on the foundation as shown, and continue on to page 17.



! Sill plates MUST be treated lumber.

Building Size	Actual Floor Size	A	B	C	D
12'x 12' (365,8 x 365,8 cm)	12'x 12' (365,8 x 365,8 cm)	144" (365,8 cm)	137" (348 cm)	144" (365,8 cm)	203-5/8" (517,2 cm)

12' x 12' Building Requires:

- ☐ x4 2" x 4" x 12' (5,1 x 10,2 x 365,8 cm)
- ☐ x1 Caulk

Building Size	Actual Floor Size	A	B	C	D
12'x 16' (365,8 x 487,7 cm)	12'x 16' (365,8 x 487,7 cm)	144" (365,8 cm)	185" (469,9 cm)	192" (487,7 cm)	240" (609,6 cm)

12' x 16' Building Requires:

- ☐ x2 2" x 4" x 144" (5,1 x 10,2 x 365,8 cm) ☐ x2 2" x 4" x 16' (5,1 x 10,2 x 487,7 cm)
- ☐ x1 Caulk

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

12' x 20' Building Requires:

- ☐ x2 2" x 4" x 12' (5,1 x 10,2 x 365,8 cm) ☐ x2 2" x 4" x 16' (5,1 x 10,2 x 487,7 cm)
- ☐ x2 Caulk ☐ x1 2" x 4" x 8' (5,1 x 10,2 x 244 cm)

Building Size	Actual Floor Size	A	B	C	D
12'x 24' (365,8 x 736,5 cm)	12'x 24' (365,8 x 736,5 cm)	144" (365,8 cm)	281" (713,7 cm)	288" (731,5 cm)	322" (817,9 cm)

12' x 24' Building Requires:

- ☐ x6 2" x 4" x 12' (5,1 x 10,2 x 365,8 cm)
- ☐ x3 Caulk

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

- A treated 2 x 4" (5,1 x 10,2 cm) sill plate is required when installing your shed on concrete. Purchase full length treated lumber, or butt shorter pieces end-to-end and seal seams with caulk.
- Use a high quality exterior grade caulk beneath all sill plates.
- Fasten 2 x 4" (5,1 x 10,2 cm) sill plates to slab using approved concrete anchors (fasteners not included).
- Check local code for concrete foundation requirements.

OPTIONAL WOOD FRAME FLOOR LEVELING OPTIONS

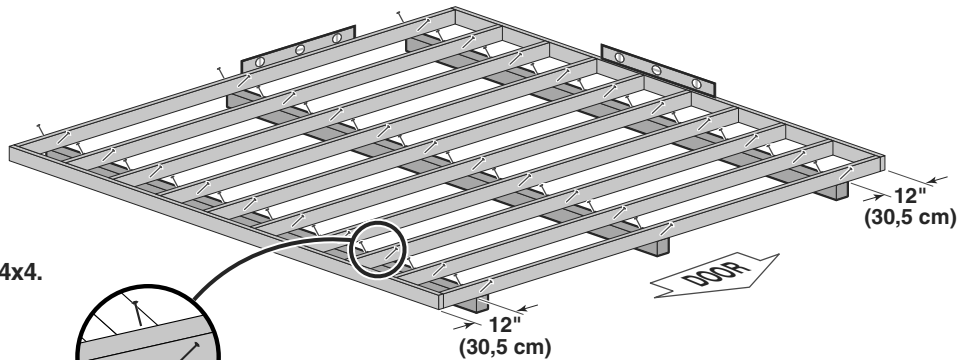
There are multiple ways to level your floor frame. Our recommended leveling method is shown below.
Leveling materials are not included in this kit.

PREFERRED METHOD - 4x4 TREATED RUNNERS (Typical for 12' x 12' Kit)

Runners are generally
12" (30,5 cm) from
ends of floor frame
and under seams.





Measurements to
centers of 4x4's.

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



! FLOOR FRAME NOT INCLUDED

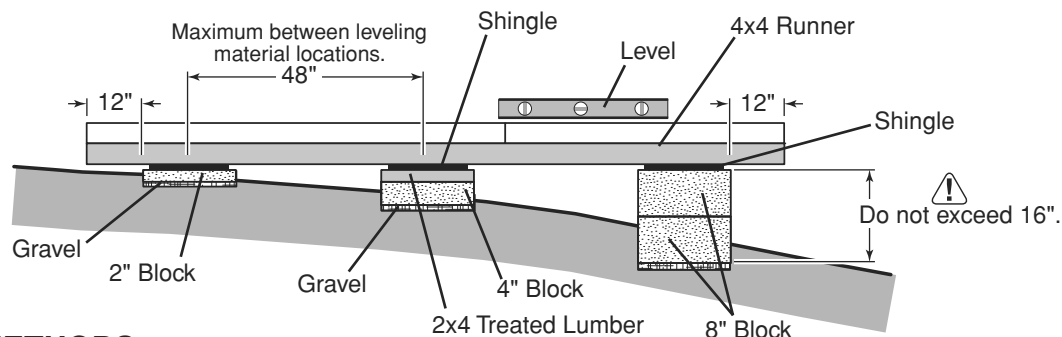
MATERIAL REQUIRED

12' x 12'	<input type="checkbox"/> x3 4" x 4" x 12' (10,2 x 10,2 x 365,8 cm) Treated Lumber	<input type="checkbox"/> x60	 3" (7,6 cm)
12' x 16'	<input type="checkbox"/> x3 4" x 4" x 16' (10,2 x 10,2 x 487,7 cm) Treated Lumber	<input type="checkbox"/> x78	 3" (7,6 cm)
12' x 20'	<input type="checkbox"/> x6 4" x 4" x 10' (10,2 x 10,2 x 304,8 cm) Treated Lumber	<input type="checkbox"/> x96	 3" (7,6 cm)
12' x 24'	<input type="checkbox"/> x6 4" x 4" x 12' (10,2 x 10,2 x 365,8 cm) Treated Lumber	<input type="checkbox"/> x144	 3" (7,6 cm)

Fasteners for Frame to 4"x 4".
(3" Screws shown as one option.)
Minimum 3" 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" from ends of runners and no more than 48" apart.
- Asphalt shingles should be used between 4x4 runners and blocks or treated lumber. Never use shingles in direct contact with ground.
- For best results and aiding in water drainage use gravel under each concrete block.

LEVELING MATERIALS

- ☐ Gravel
- ☐ Solid Masonry Blocks in 1", 2", 4" or 8" thickness
- ☐ 2x4 Treated Lumber
- ☐ Asphalt Shingles

! Leveling higher than 16" not recommended.

LEVELING & SQUARING A 12 x 12' FLOOR FRAME (Not Included)



- FOR 12' x 16', SKIP TO PAGE 13
- FOR 12' x 20', SKIP TO PAGE 14
- FOR 12' x 24', SKIP TO PAGE 15

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!

CLASSIC ESTATE
12 x 12'

✓ BEGIN

- 1 See page 11 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 **203-5/8" (517,2 cm)**.
- 4 When the frame is level and square, secure one side of frame to 4x4 runners using one fastener at ends of each runner. At the opposite end of the frame, secure the frame to 4x4 runners with one fastener at ends of each runner making sure the frame remains square (**Fig. A**).

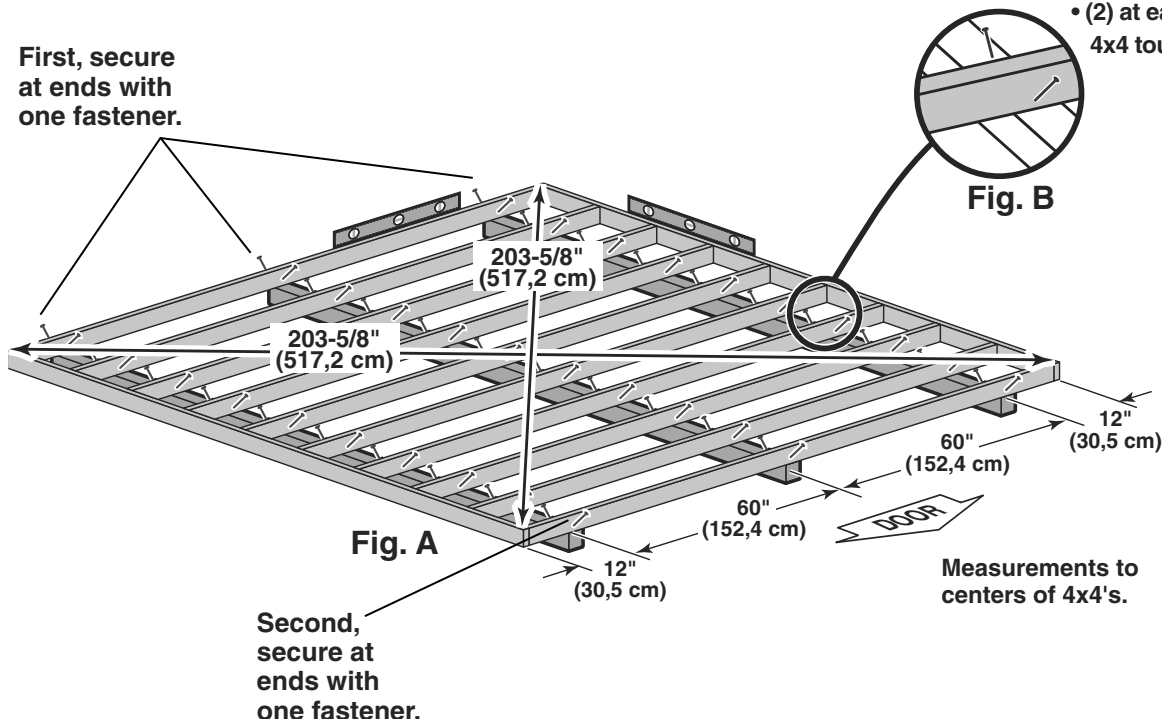


FINISH

- 5 Once the floor frame is level and square fasten the frame at each point the frame contacts the 4x4 runners (**Fig. B**). Proceed to page 16.

Runners are generally
12" (30,5 cm) from
ends of floor frame
and under seams.

First, secure
at ends with
one fastener.



LEVELING & SQUARING A 12 x 16' FLOOR FRAME (Not Included)



• FOR 12' x 20', SKIP TO PAGE 14

• FOR 12' x 24', SKIP TO PAGE 15

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 11 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 **240" (609,6 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. At 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**).



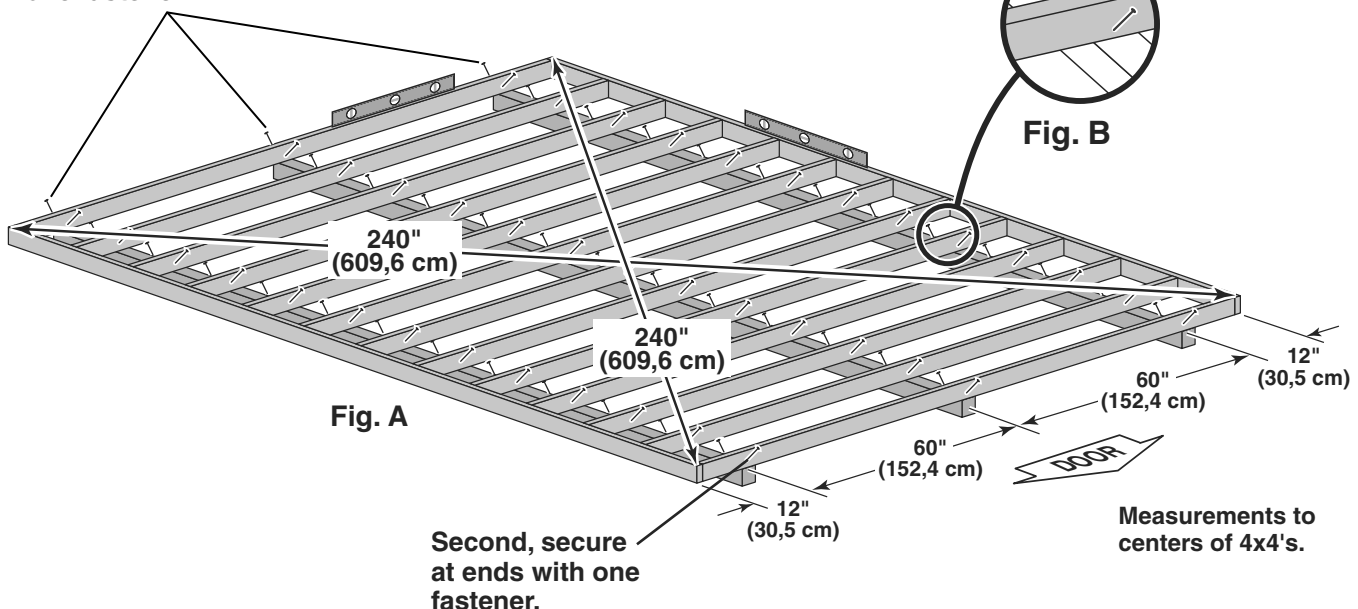
FINISH

- 5 Once the floor frame is level and square fasten the frame at each point the frame contacts the 4x4 runners (**Fig. B**). **Proceed to page 16.**

Runners are generally
12" (30,5 cm) from
ends of floor frame
and under seams.

CLASSIC ESTATE
12 x 16'

First, secure
at ends with
one fastener.



LEVELING & SQUARING A 12 x 20' FLOOR FRAME (Not Included)



• FOR 12' x 24', SKIP TO PAGE 15



LEVEL AND SQUARE FLOOR FRAME



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

✓ BEGIN

- 1 See page 11 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 **279-7/8" (710,9 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. At 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**).

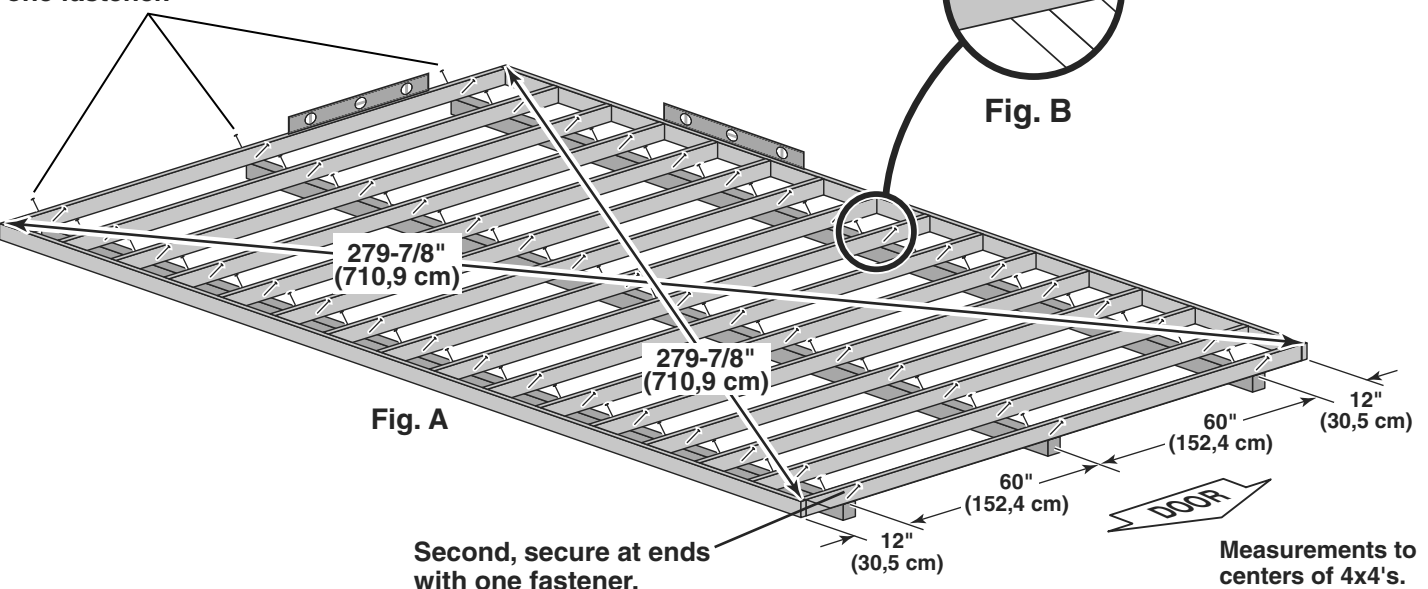


FINISH

- 5 Once the floor frame is level and square fasten the frame at each point the frame contacts the 4x4 runners (**Fig. B**). **Proceed to page 16.**

Runners are generally 12" (30,5 cm) from ends of floor frame and under seams.

First, secure at ends with one fastener.



LEVELING & SQUARING A 12 x 24' FLOOR FRAME (Not Included)

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 11 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 **322" (817,9 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. At 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**).

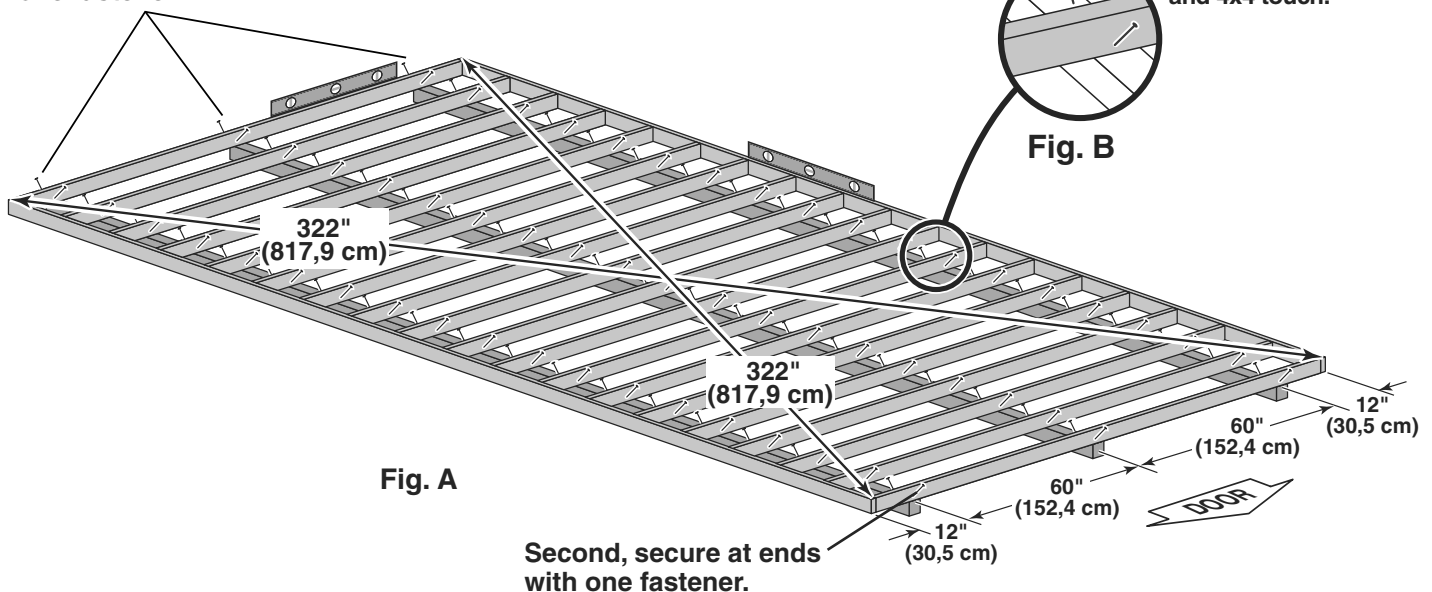


FINISH

- 5 Once the floor frame is level and square fasten the frame at each point the frame contacts the 4x4 runners (**Fig. B**). **Proceed to page 16.**

Runners are generally 12" (30,5 cm) from ends of floor frame and under seams.

First, secure at ends with one fastener.



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

Fig. A

Second, secure at ends with one fastener.

Measurements to centers of 4x4's.

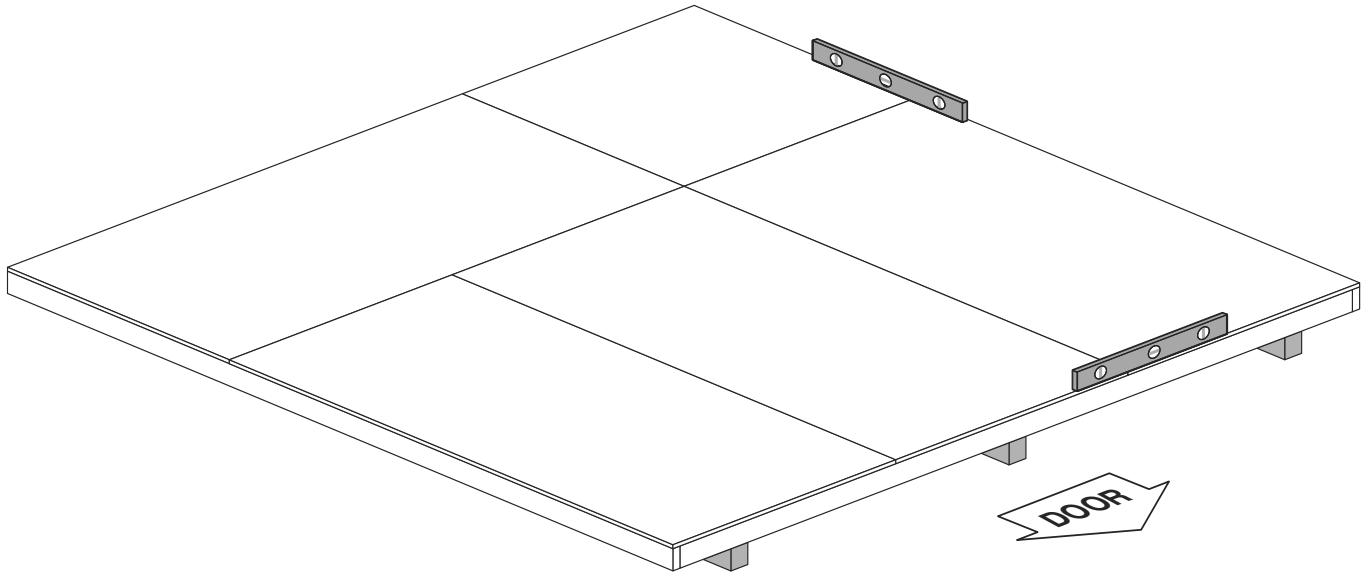
CLASSIC ESTATE
12 x 24'

! IMPORTANT!

NOTE: CLASSIC ESTATE 12' x 12' shown standard throughout manual

STOP!

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



CLASSIC ESTATE
12 x 12'

CLASSIC ESTATE
12 x 16'



- The floor should be used as a stable work surface for wall construction.

HINT:

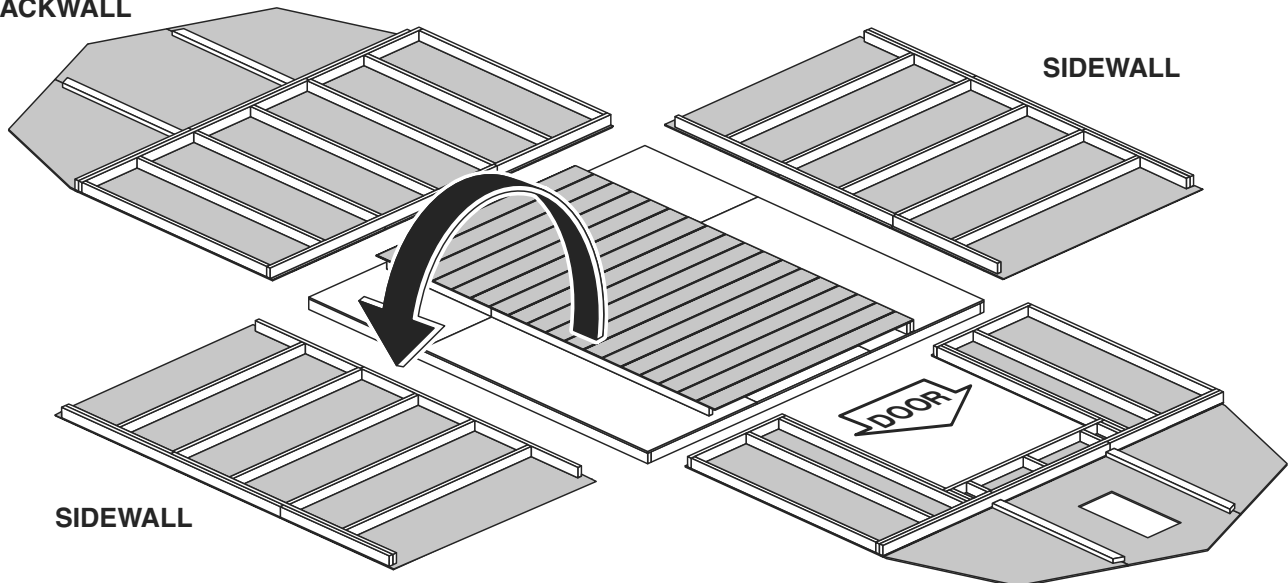
- Organize your assembly procedure during the build process to avoid over-handling of the walls.

BACKWALL

SIDEWALL

SIDEWALL

FRONTWALL



CLASSIC ESTATE
12 x 20'

CLASSIC ESTATE
12 x 24'

BACK WALL FRAME

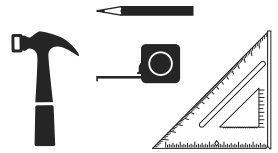
PARTS REQUIRED:

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

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

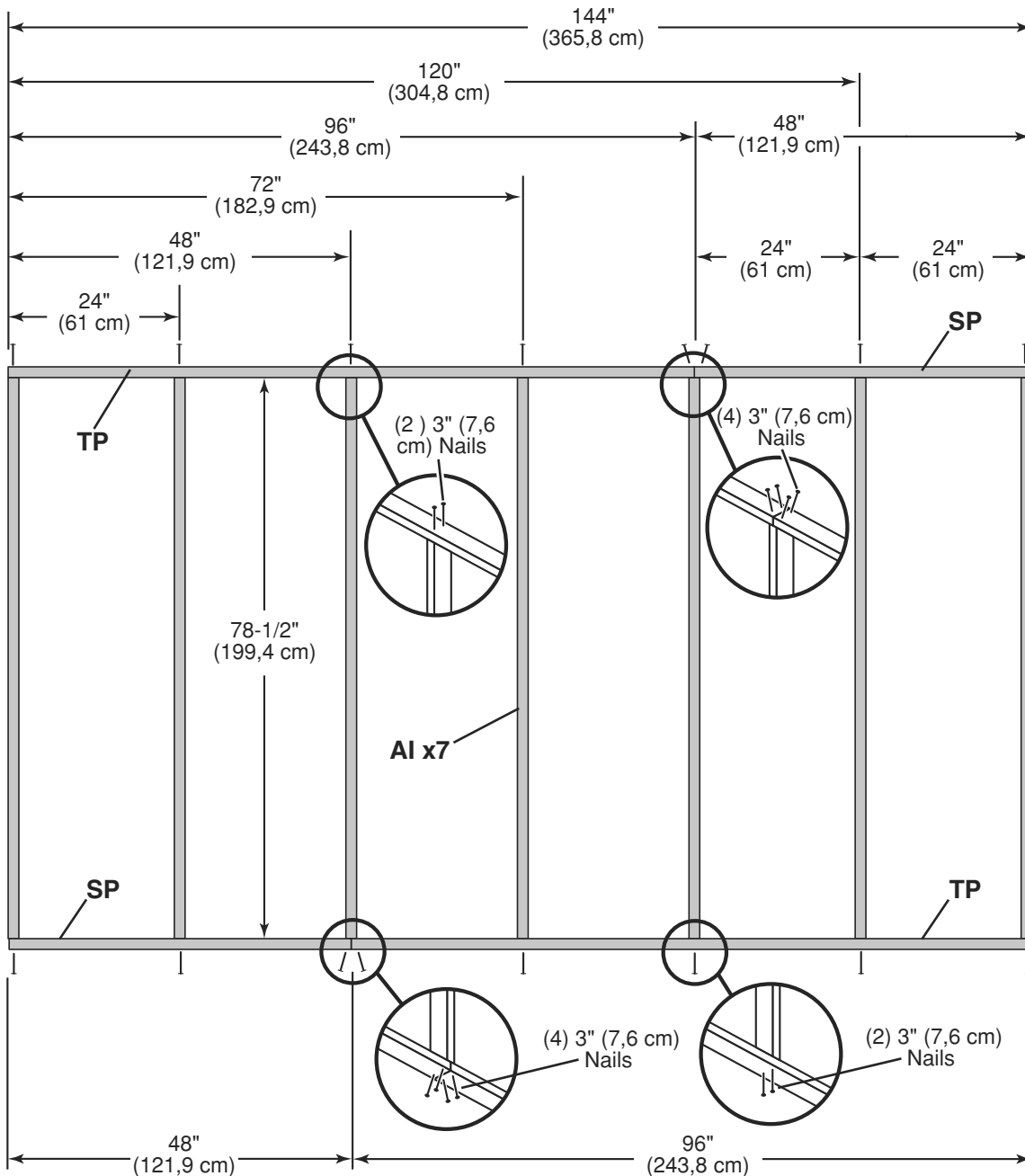
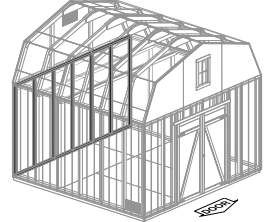
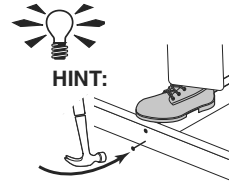
x2 TP
2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

x32 3" (7,6 cm)



BEGIN

- 1 Orient parts on edge on floor as shown.
- 2 Nail using two 3" nails at each connection.



CLASSIC ESTATE
12 x 12'

CLASSIC ESTATE
12 x 16'

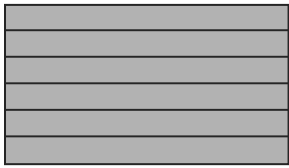
CLASSIC ESTATE
12 x 20'

CLASSIC ESTATE
12 x 24'

BACK WALL PANELS

PARTS REQUIRED:

x1

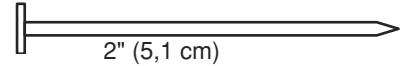


3/8 x 48 x 84"
(1 x 121,9 x 213,4 cm)

GAA
3/4" GAUGE
BLOCK

UU
2 x 4 x 9"
TEMP. SPACER

x48



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

✓ **BEGIN**

- 1 Place LEFT panel onto wall frame with primed side up as shown.

Locate the panel 1-1/2" above the top plate. Use **UU** as a gauge block for the 1-1/2" top overhang measurement. Use **GAA** to mark the 3/4" side measurement on the wall stud. Secure 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 wall 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.

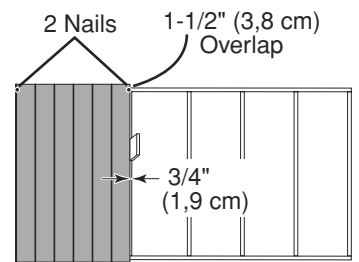
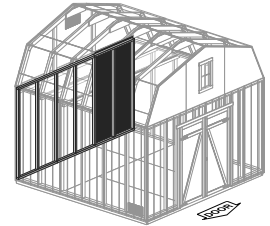


Fig. A



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

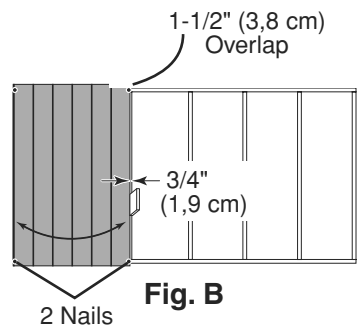
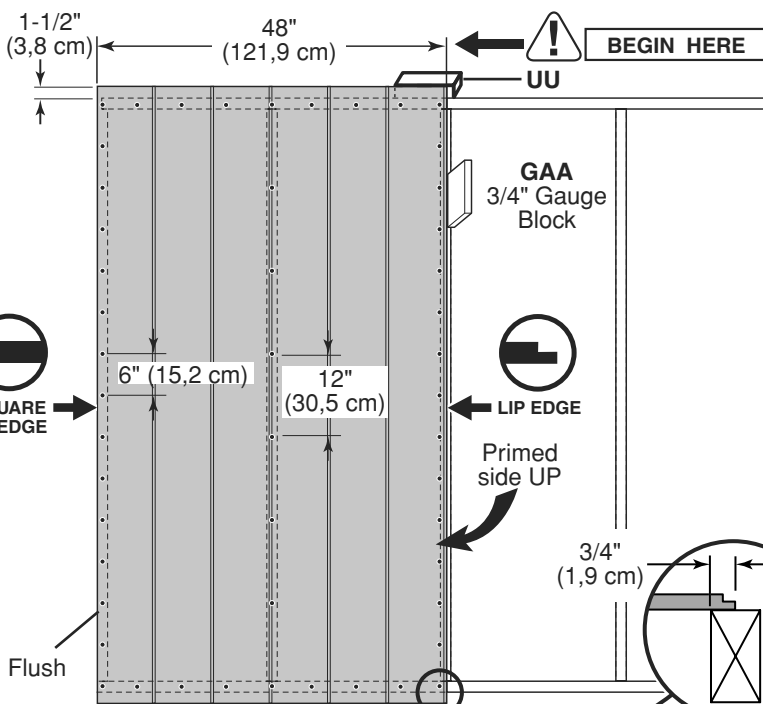


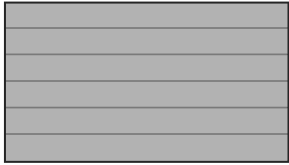
Fig. B



BACK WALL PANELS

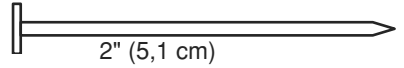
PARTS REQUIRED:

x2



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

x96



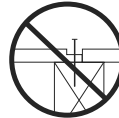
UU

2 x 4 x 9"
TEMP. SPACER

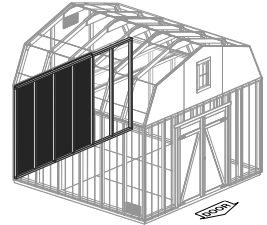


4 Place MIDDLE panel on frame as shown with primed side facing up flush with first panel. Nail using 2" nails 6" apart on edges and 12" apart inside panel.

5 Repeat **STEP 4** to secure RIGHT panel.



Do not nail in groove.



CLASSIC ESTATE
12 x 12'

CLASSIC ESTATE
12 x 16'

CLASSIC ESTATE
12 x 20'

CLASSIC ESTATE
12 x 24'

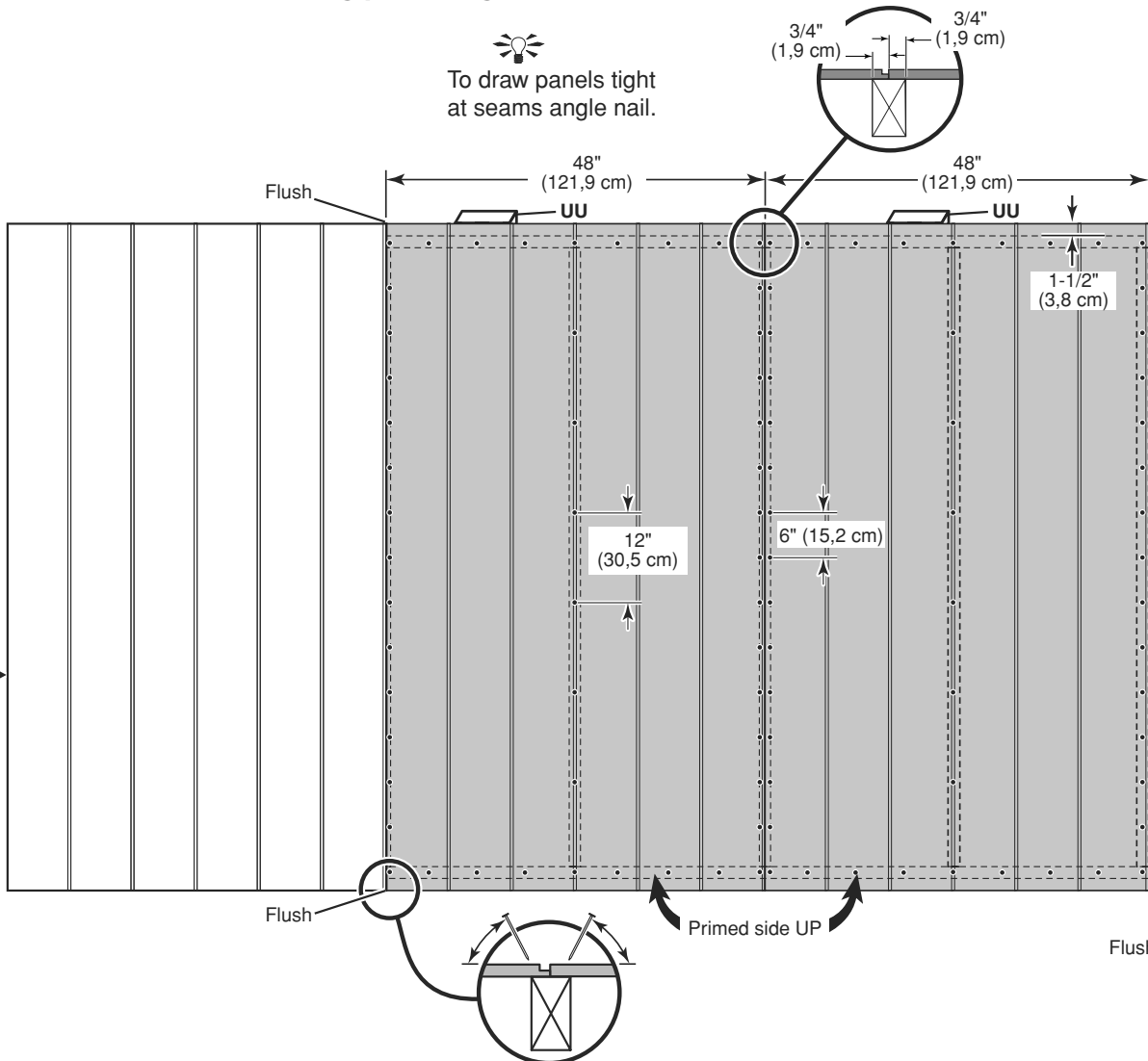
FINISH

6 You have finished building your back wall.

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



To draw panels tight at seams angle nail.



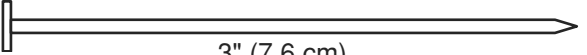
12' x 12' SIDE WALL FRAMES

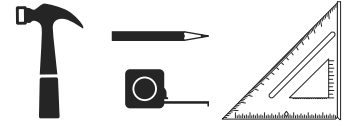
PARTS REQUIRED:

x4 **STL**
2 x 4 x 44-1/2" (5,1 x 10,2 x 113 cm)

x4 **TJ**
2 x 4 x 92-1/2" (5,1 x 10,2 x 235 cm)

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

x48  3" (7,6 cm)



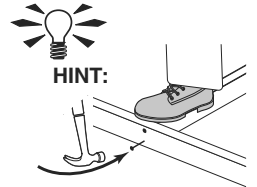
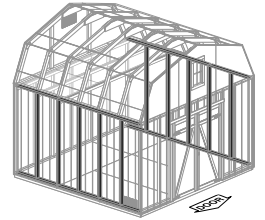
IMPORTANT! You will build two walls the same.



• FOR 12' x 16', SKIP TO PAGE 23

• FOR 12' x 20', SKIP TO PAGE 26

• FOR 12' x 24', SKIP TO PAGE 29



CLASSIC ESTATE
12 x 12'

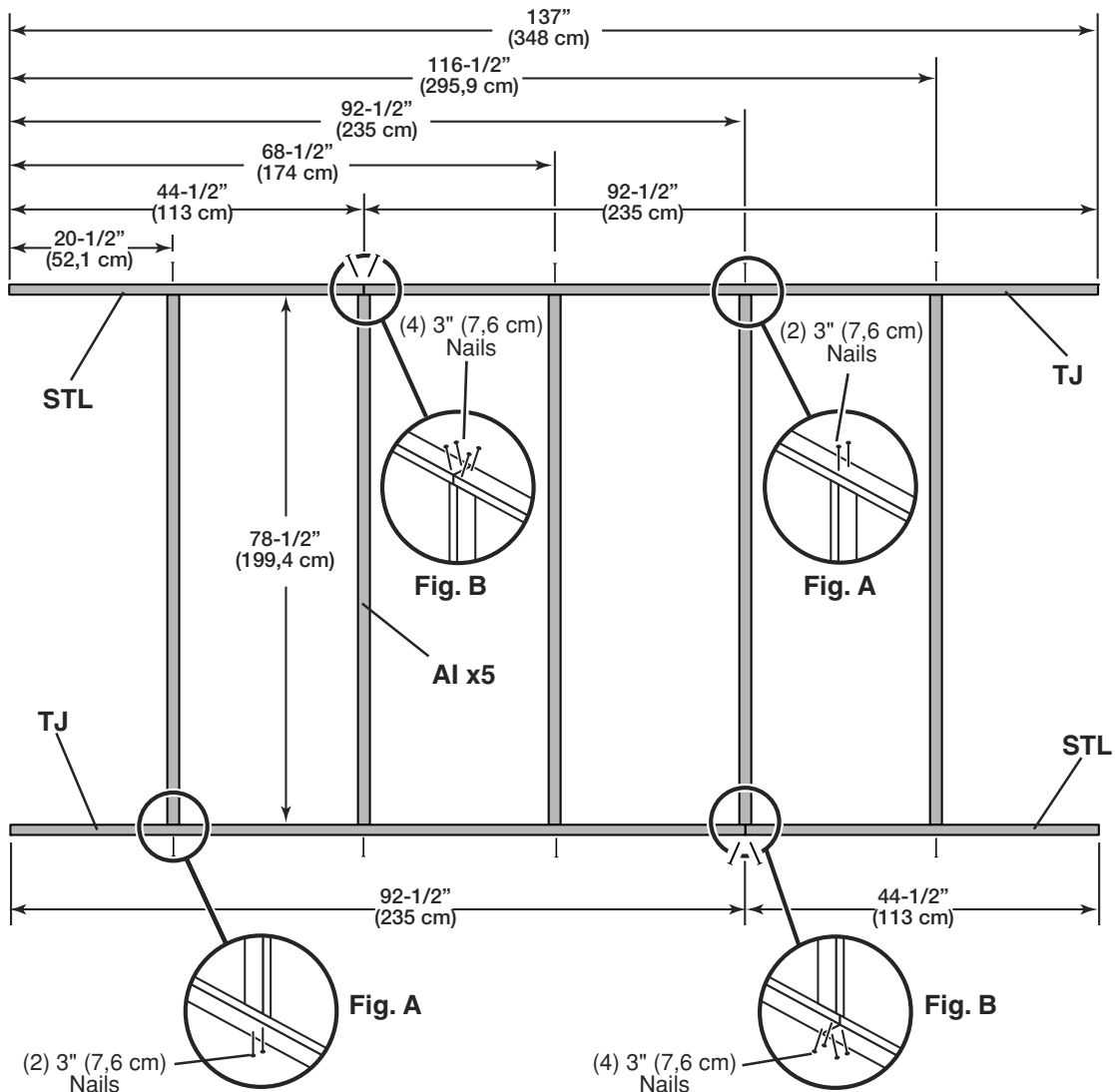
✓ BEGIN

1 Orient parts on edge on floor. Measure and mark from end of boards.

2 Use two 3" nails at each connection (**Fig. A**) and four 3" nails at seams (**Fig. B**).

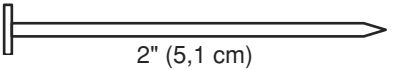
FINISH

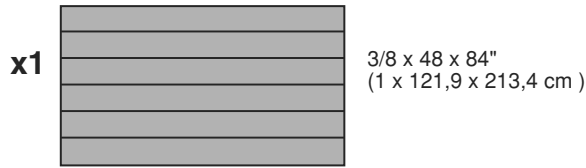
3 Repeat process to make second wall. Proceed to attach wall panels.



12' x 12' SIDE WALL PANELS

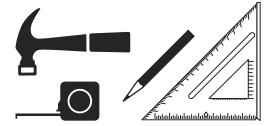
PARTS REQUIRED:

x40  2" (5,1 cm)



 **GAA**
3/4" GAUGE
BLOCK

 **UU**
2 x 4 x 9"
TEMP. SPACER



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

✓ BEGIN

- 1 Place a 48 x 84" panel onto wall frame with primed side up as shown.

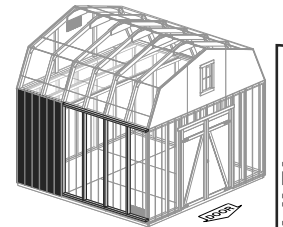
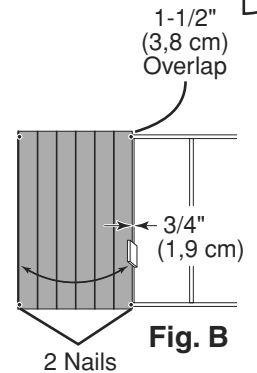
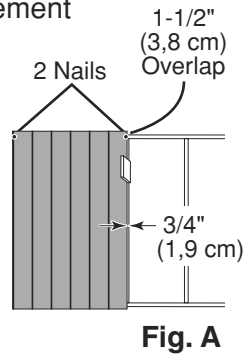
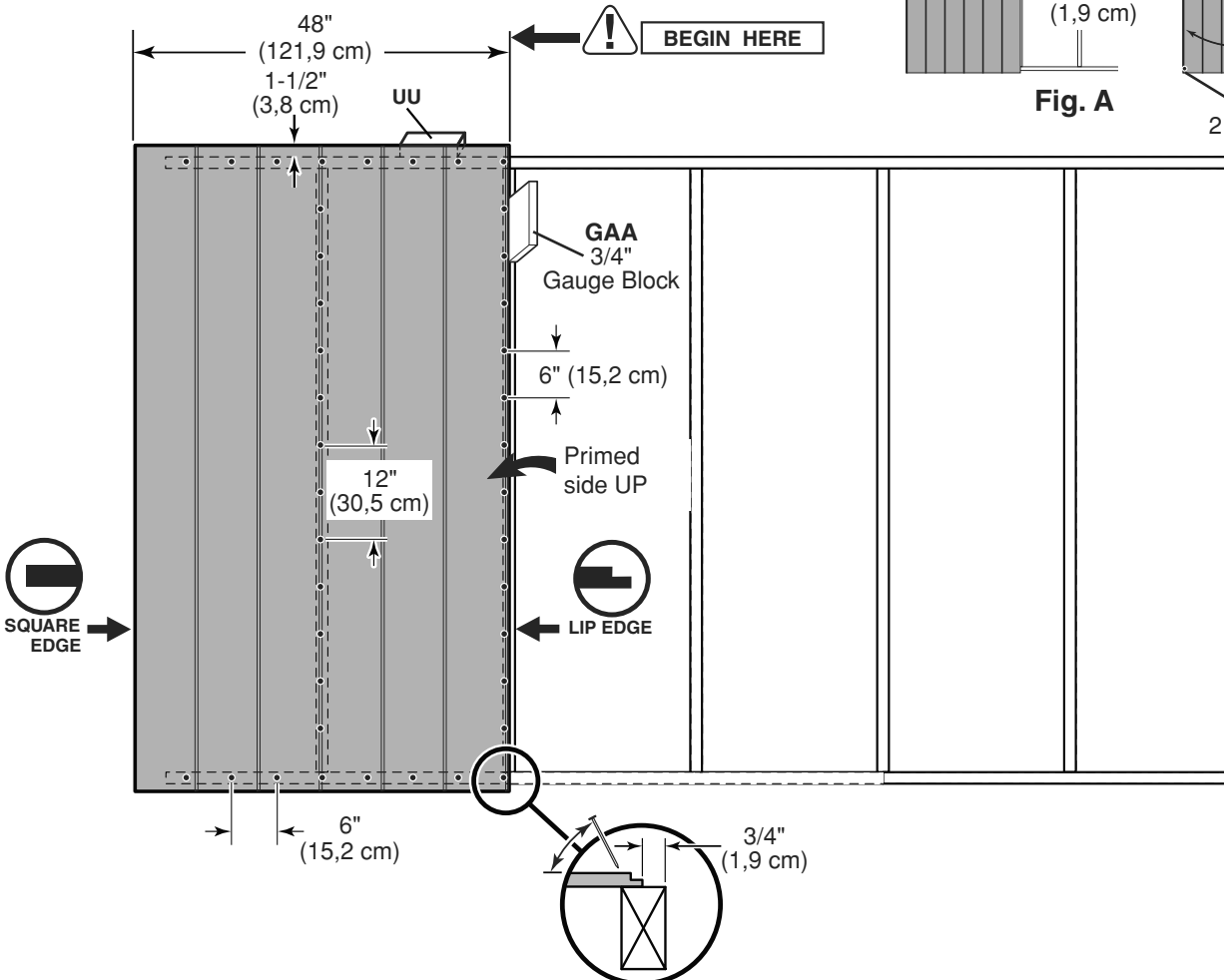
Locate the panel 1-1/2" above the top plate. Use **UU** as a gauge block for the 1-1/2" top overhang measurement. Use **GAA** as a gauge block to mark the 3/4" side measurement on the wall stud. Secure panel with two 2" nails in the corners (**Fig. A**).

- 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 wall 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.



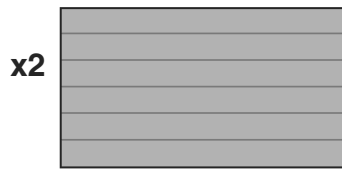
For squareness maintain 3/4" and 1-1/2" measurement along panel edge.



CLASSIC ESTATE
12 x 12'

12' x 12' SIDE WALL PANELS

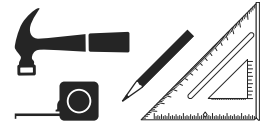
PARTS REQUIRED:



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

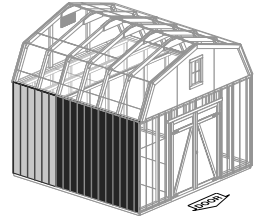
UU
2 x 4 x 9"
TEMP. SPACER

x80 2" (5,1 cm)

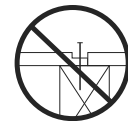


CLASSIC ESTATE
12 x 12'

- 4 Place a 48 x 84" panel on frame as shown with primed side facing up flush with first panel. Nail using 2" nails 6" apart on edges and 12" apart inside panel.
- 5 Place next 48 x 84" panel on frame as shown with primed side facing up flush with second panel. Nail using 2" nails 6" apart on edges and 12" apart inside panel.
- 6 Carefully flip your sidewall over. Repeat **STEPS 1-5** to assemble your second side wall.

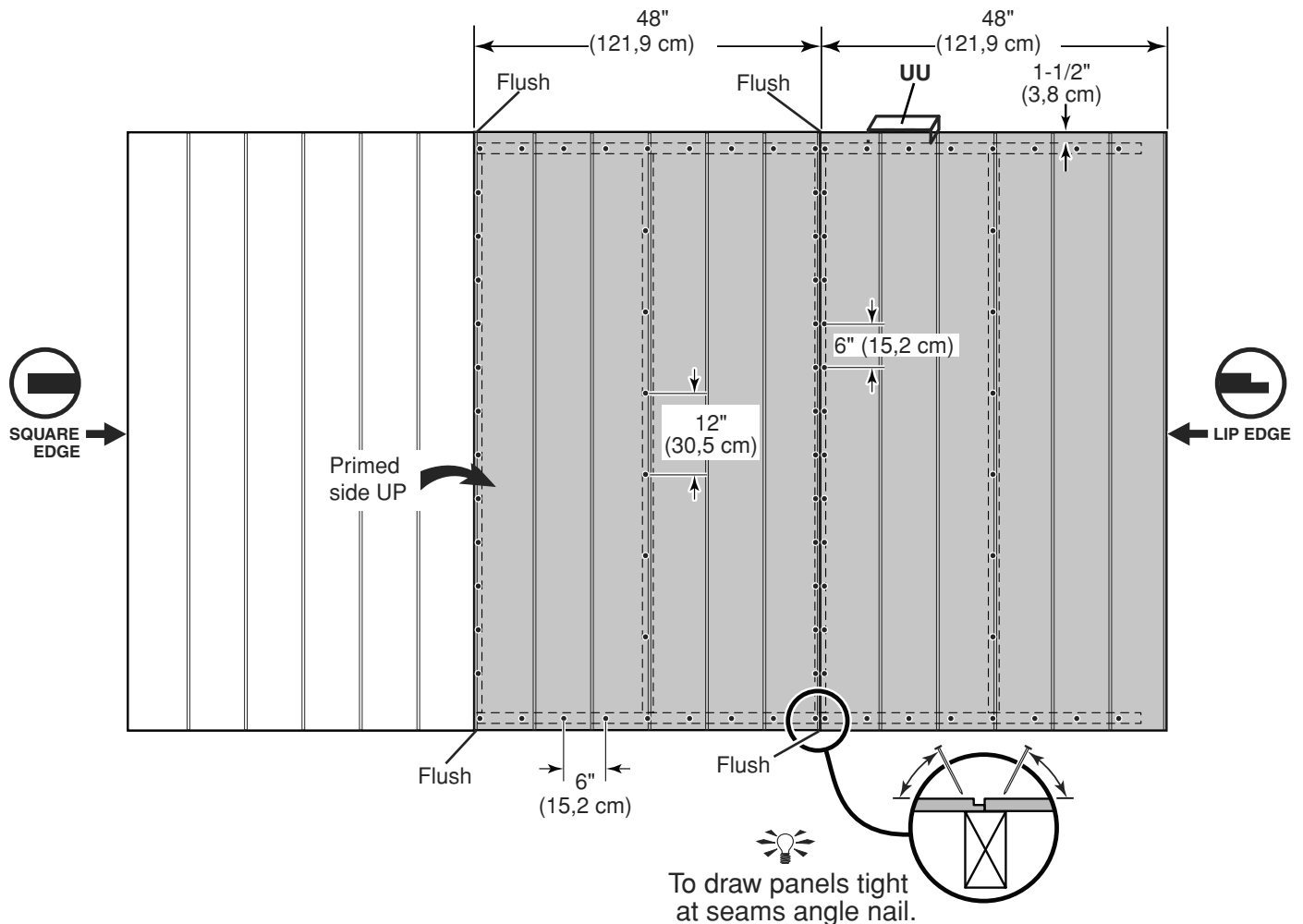


- 7 You have finished building both of your side walls. **Proceed to page 32.**



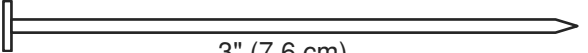
Do not nail in groove.


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

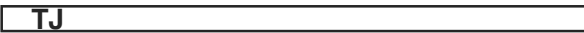


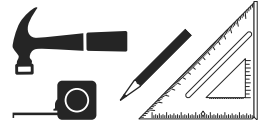
12' x 16' SIDE WALL FRAMES

PARTS REQUIRED:

x64  3" (7,6 cm)

x14 **AI** 
2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)

x8 **TJ** 
2 x 4 x 92-1/2" (5,1 x 10,2 x 235 cm)

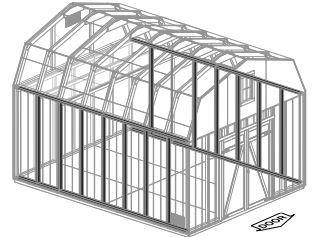


IMPORTANT! You will build two walls the same.



• FOR 12' x 20', SKIP TO PAGE 26

• FOR 12' x 24', SKIP TO PAGE 29



✓ BEGIN

- 1 Orient parts on edge on floor. Measure and mark from end of boards.
- 2 Use two 3" nails at each connection (**Fig. A**) and four 3" nails at seams (**Fig. B**).

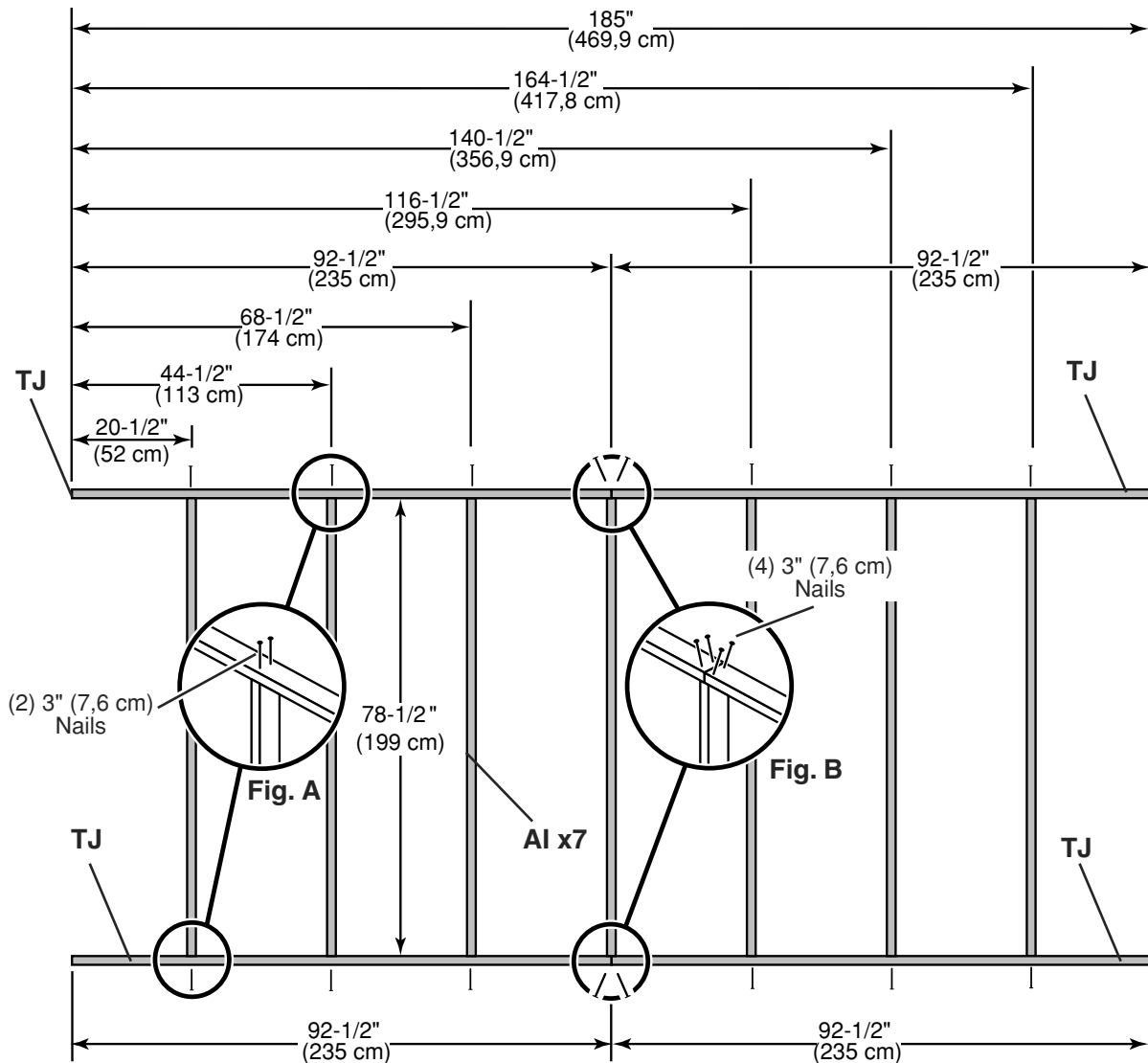
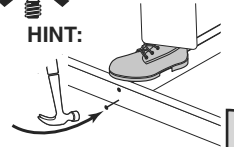


FINISH

- 3 Repeat process to make second wall frame. Proceed to attach wall panels.



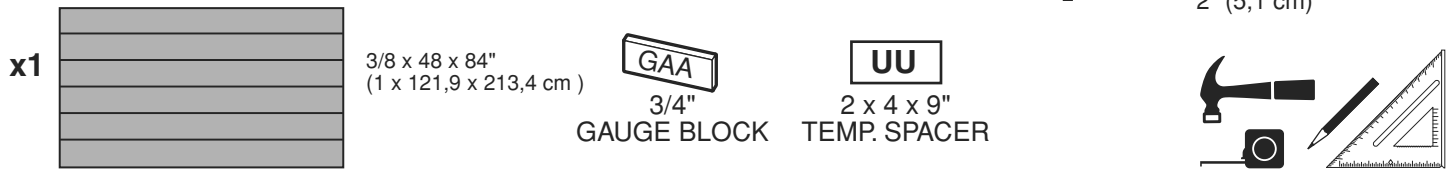
HINT:



CLASSIC ESTATE
12 x 16'

12' x 16' SIDE WALL PANELS

PARTS REQUIRED:

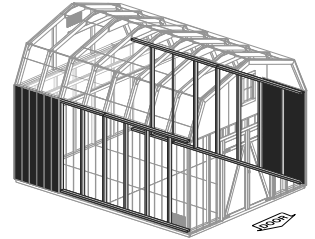


Ensure your wall frame is square by installing one panel and squaring frame.

BEGIN

- 1 Place a 48 x 84" panel onto wall frame with primed side up as shown.

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

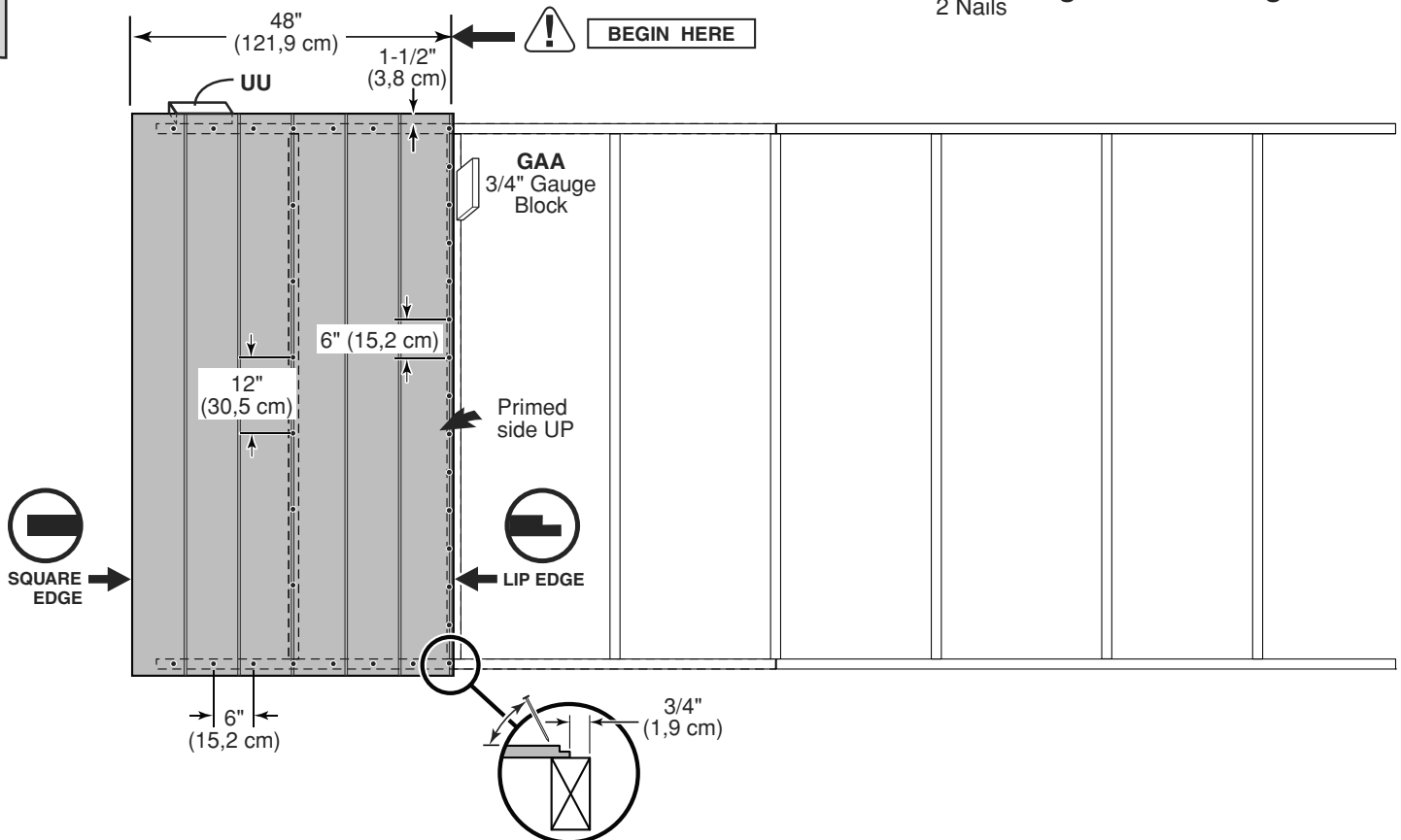
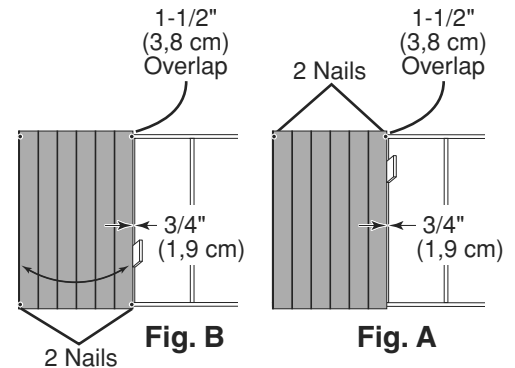


- 2 Move to the opposite end. Using the long edge of the panel as a lever, move the panel side-to-side until you have a 3/4" measurement on the wall stud. Secure corner with two 2" nails (**Fig. B**).

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



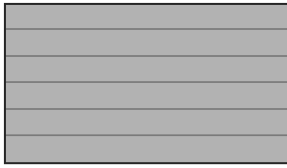
For squareness maintain 3/4" and 1-1/2" measurement along panel edges.



12' x 16' SIDE WALL PANELS

PARTS REQUIRED:

x3

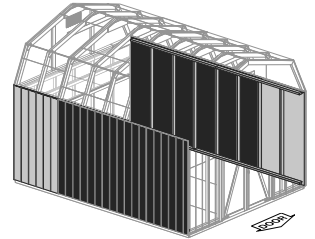
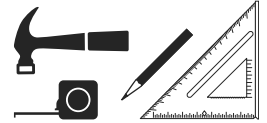
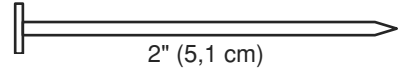


3/8 x 48 x 84"
(1 x 121,9 x 213,4 cm)

UU

2 x 4 x 9"
TEMP. SPACER

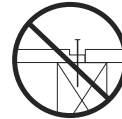
x130



4 Place 48 x 84" panel on frame as shown with primed side facing up flush with first panel. Nail using 2" nails 6" apart on edges and 12" apart inside panel.

5 Repeat **STEP 4** for remaining panels.

6 Carefully flip your sidewall over.
Repeat **STEPS 1-5** to assemble your second side wall.



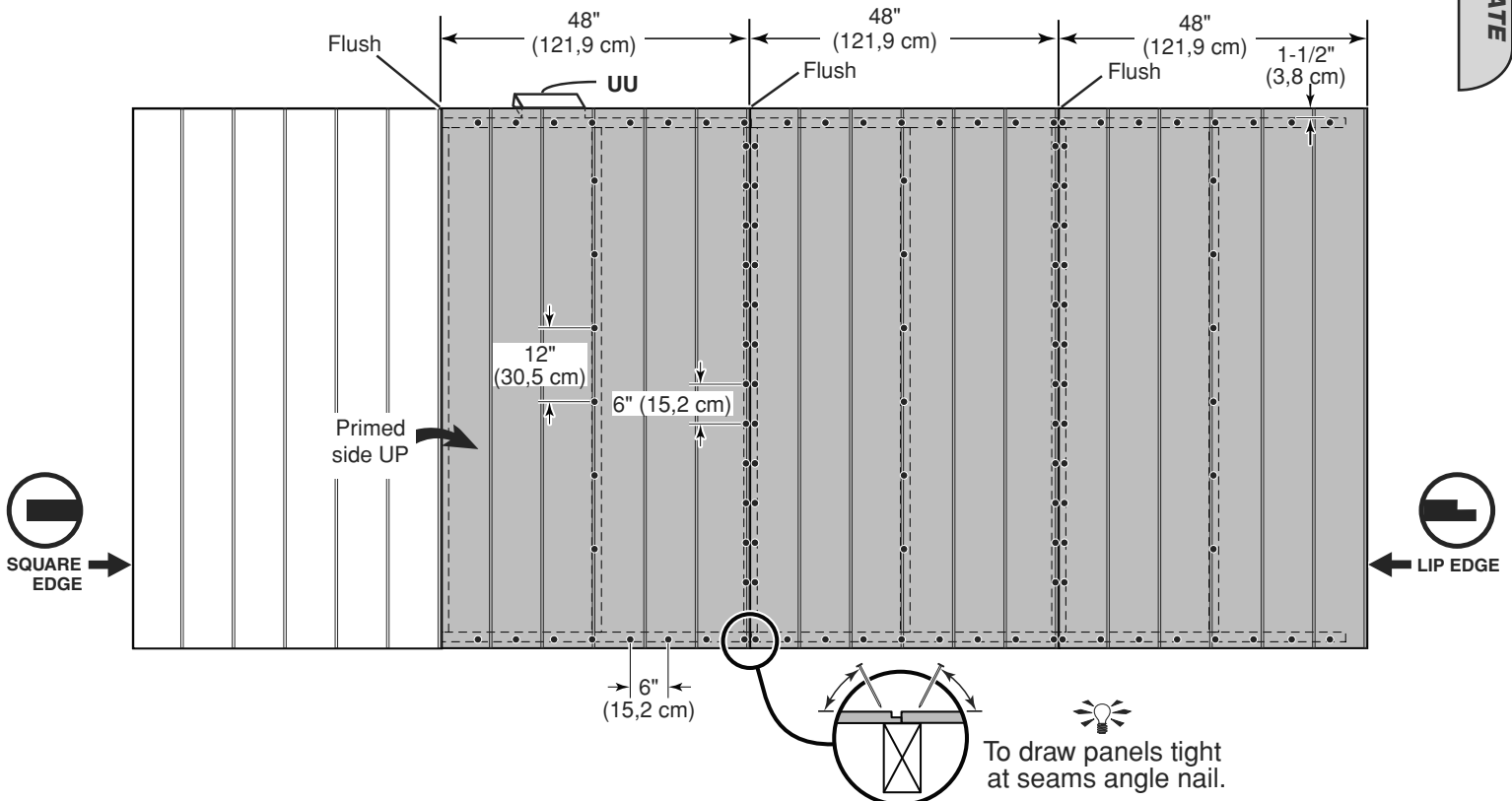
Do not nail
in groove.



FINISH

7 You have finished building both of your side walls. **Skip to page 32.**

! For squareness maintain 1-1/2" measurement along panel edge.



CLASSIC ESTATE
12 x 16'

12' x 20' SIDE WALL FRAMES

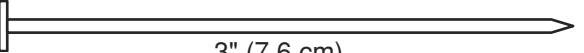
PARTS REQUIRED:

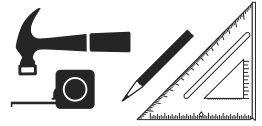
x4 **TJ**
2 x 4 x 92-1/2" (5,1 x 10,2 x 235 cm)

x4 **TP**
2 x 4 x 96" (5,1 x 10,2 x 243,9 cm)

x4 **STL**
2 x 4 x 44-1/2" (5,1 x 10,2 x 113 cm)

x18 **AI**
2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)

x88  3" (7,6 cm)



 **IMPORTANT! You will build two walls the same.**



• FOR 12' x 24', SKIP TO PAGE 29

 **BEGIN**

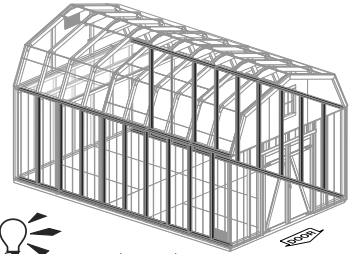
1 Orient parts on edge on floor. Measure and mark from end of boards.

2 Use two 3" nails at each connection (**Fig. A**) and four 3" nails at seams (**Fig. B**).

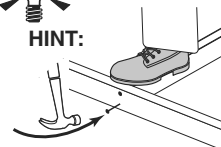


FINISH

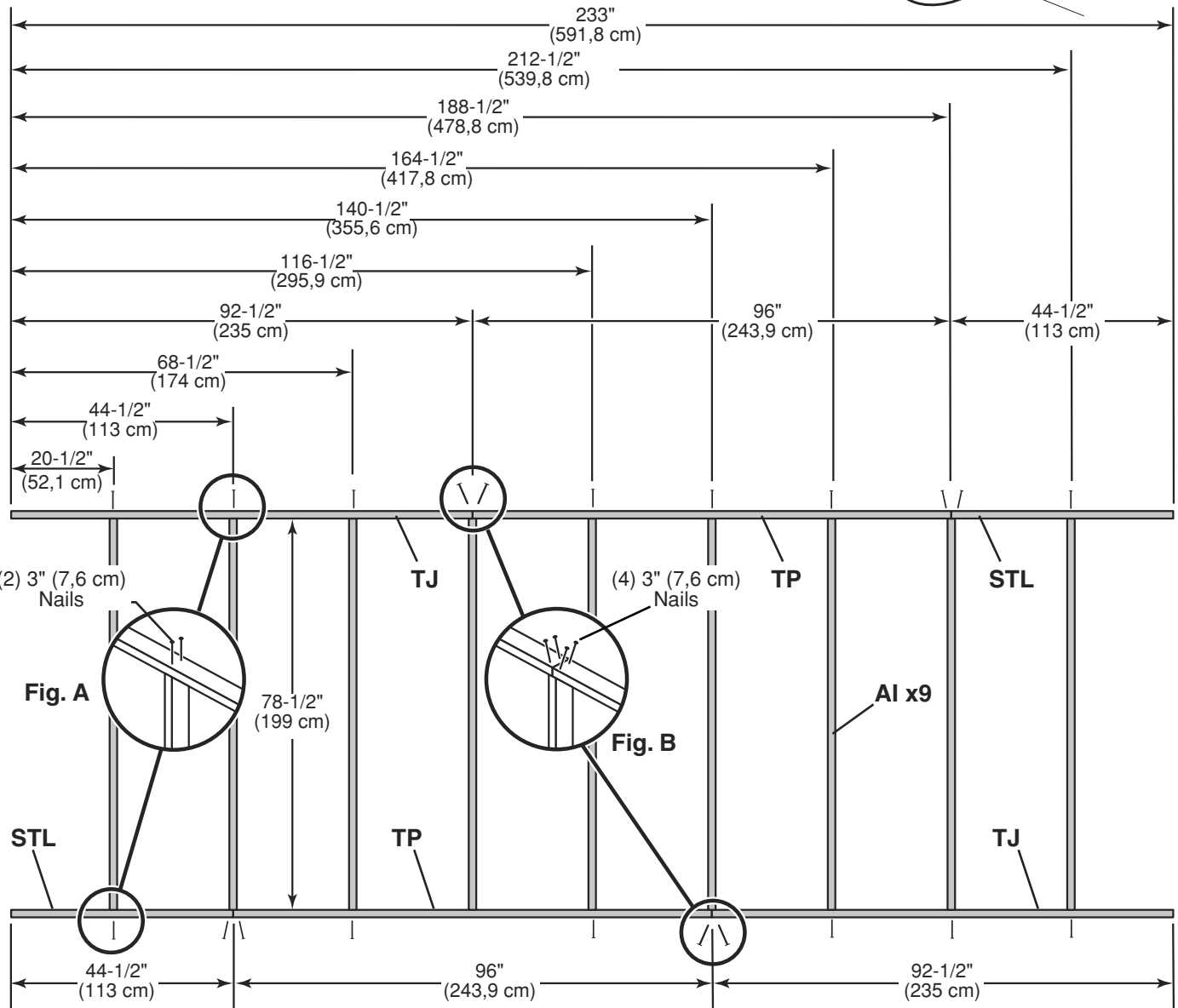
3 Repeat process to make second wall frame. Proceed to attach wall panels.



HINT:



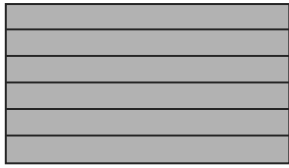
CLASSIC ESTATE
12 x 20'



12' x 20' SIDE WALL PANELS

PARTS REQUIRED:

x1



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

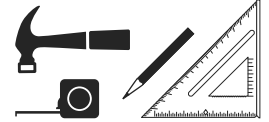


3/4"
GAUGE BLOCK



2 x 4 x 9"
TEMP. SPACER

x40 2" (5,1 cm)

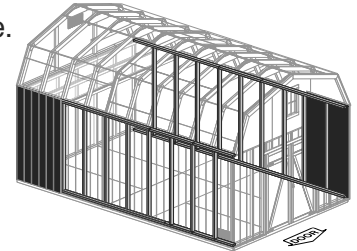


Ensure your wall frame is square by installing one panel and squaring frame.

✓ BEGIN

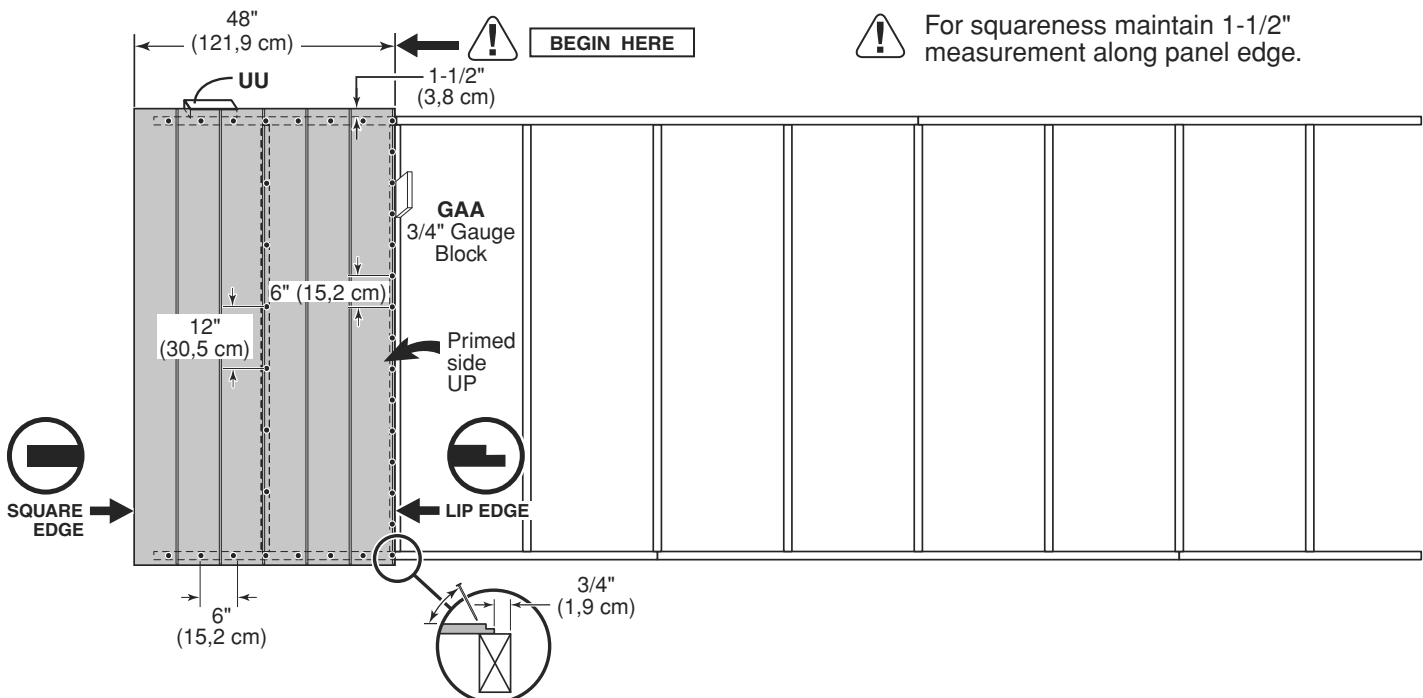
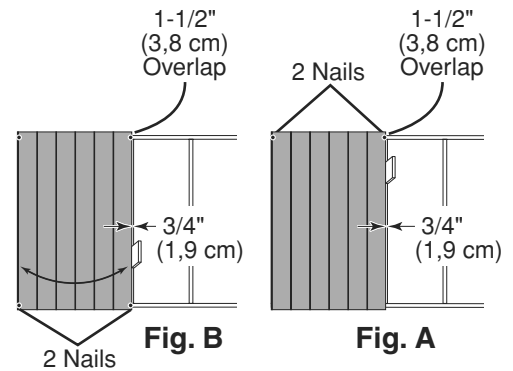
- 1 Place a 48 x 84" panel onto wall frame with primed side up as shown.

Locate the panel 1-1/2" above the top plate. Use **UU** as a gauge block for the 1-1/2" top overhang measurement. Use **GAA** as a gauge block to mark the 3/4" side measurement on the wall stud. Secure 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 wall 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.

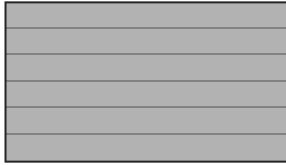


CLASSIC ESTATE
12 x 20'

12' x 20' SIDE WALL PANELS

PARTS REQUIRED:

x4

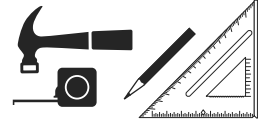
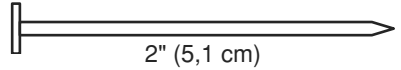


3/8 x 48 x 84"
(1 x 121,9 x 213,4 cm)

UU

2 x 4 x 9"
TEMP. SPACER

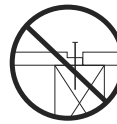
x180



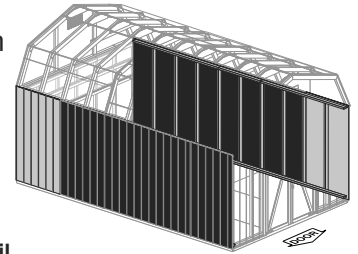
4 Place 48 x 84" panel on frame as shown with primed side facing up flush with first panel. Nail using 2" nails 6" apart on edges and 12" apart inside panel.

5 Repeat **STEP 4** for remaining panels.

6 Carefully flip your sidewall over.
Repeat **STEPS 1-5** to assemble your second side wall.



Do not nail in groove.

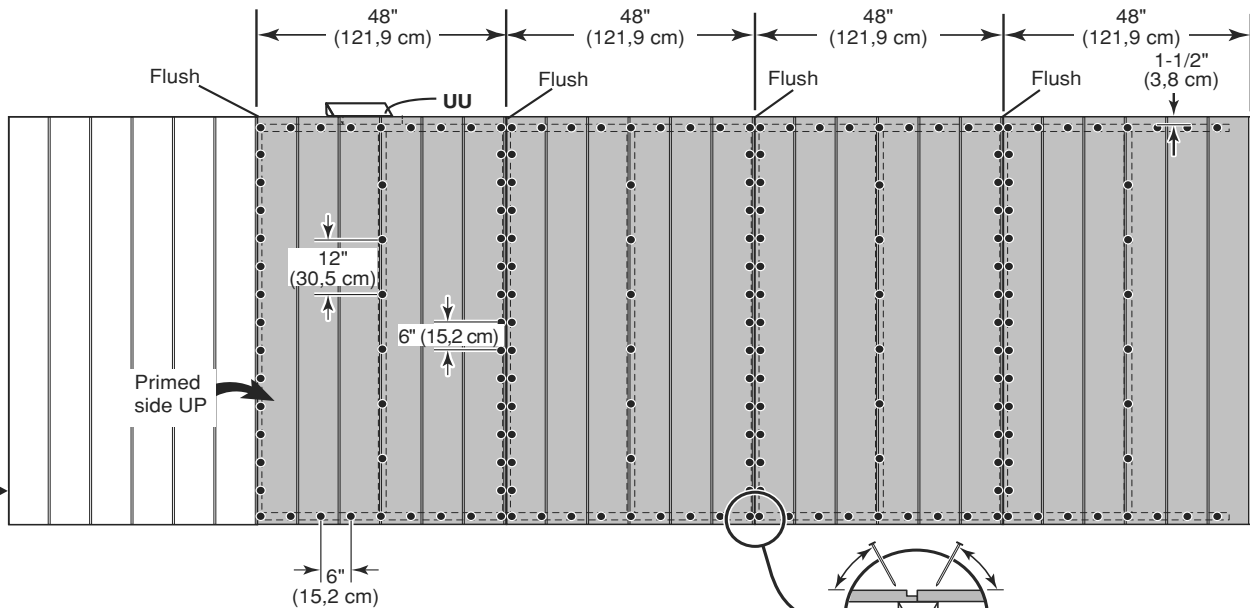


FINISH

7 You have finished building both of your side walls. **Skip to page 32**

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

CLASSIC ESTATE
12 x 20'



12' x 24' SIDE WALL FRAMES

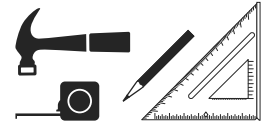
PARTS REQUIRED:

x4 TP
2 x 4 x 96" (5,1 x 10,2 x 243,9 cm)

x8 TJ
2 x 4 x 92-1/2" (5,1 x 10,2 x 235 cm)

x22 AI
2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)

x104 3" (7,6 cm)



BEGIN

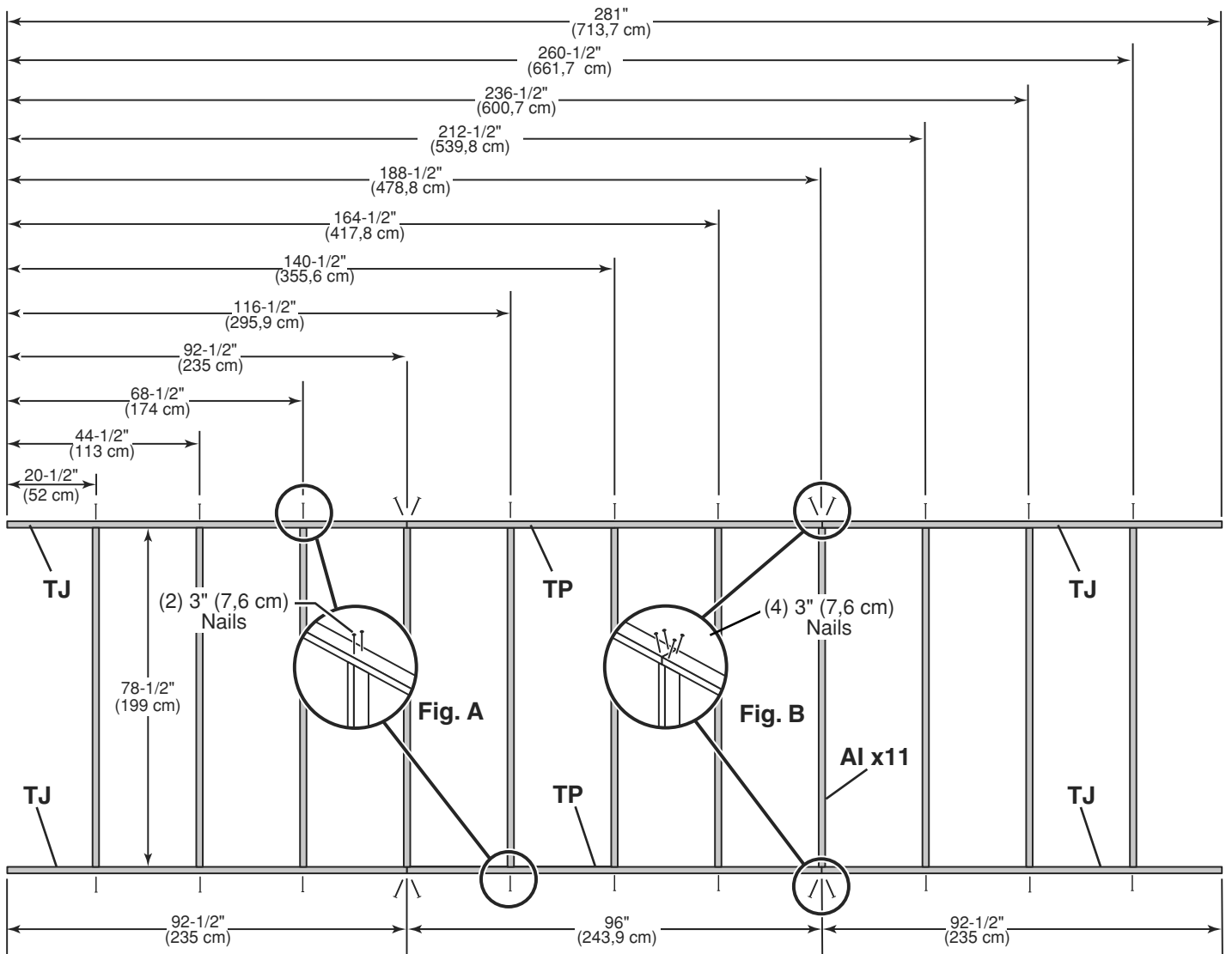
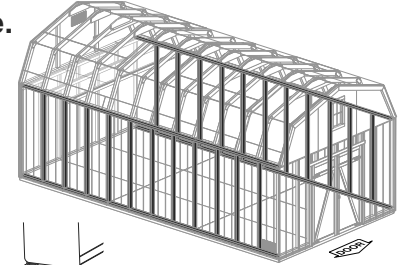
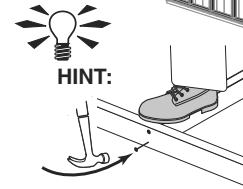
! IMPORTANT! You will build two walls the same.

1 Orient parts on edge on floor. Measure and mark from end of boards.

2 Use two 3" nails at each connection (**Fig. A**) and four 3" nails (**Fig. B**) at seams.

FINISH

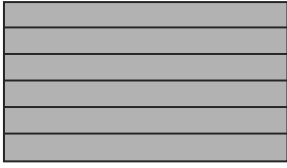
3 Repeat process to make second wall frame. Proceed to attach wall panels.



12' x 24' SIDE WALL PANELS

PARTS REQUIRED:

x1



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

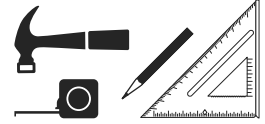
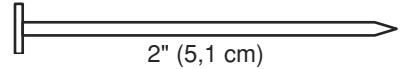


3/4"
GAUGE BLOCK



2 x 4 x 9"
TEMP. SPACER

x40



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

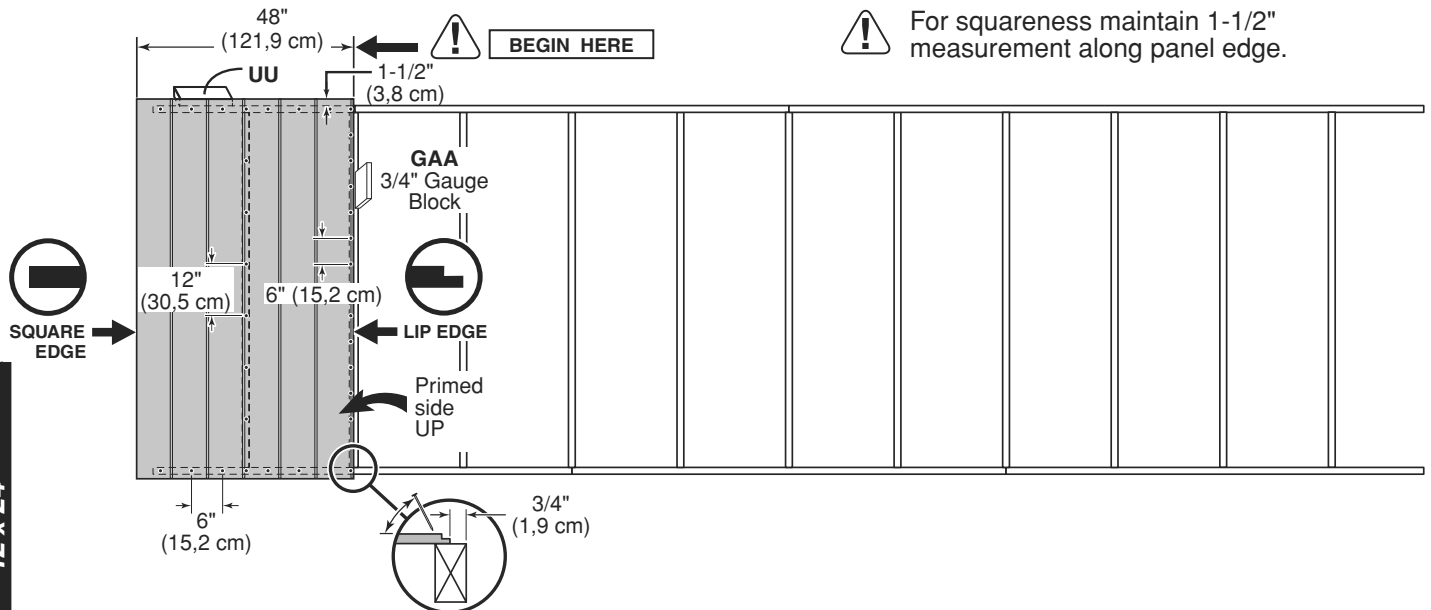
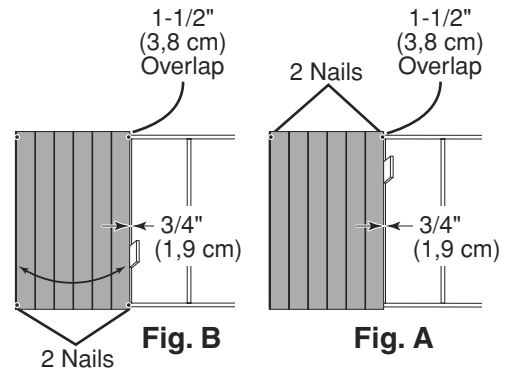
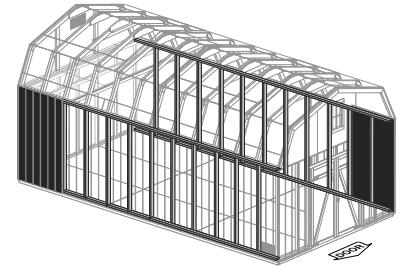
✓ BEGIN

- 1 Place a 48 x 84" panel onto wall frame with primed side up as shown.

Locate the panel 1-1/2" above the top plate. Use **UU** as a gauge block for the 1-1/2" top overhang measurement. Use **GAA** as a gauge block to mark the 3/4" side measurement on the wall stud. Secure 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 wall stud. Secure corner with two 2" nails (**Fig. B**).

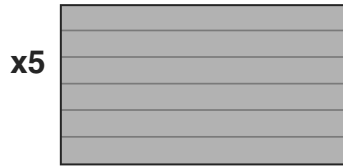
- 3 Nail the panel using 2" nails 6" apart on edges and 12" apart inside panel.



CLASSIC ESTATE
12 x 24'

12' x 24' SIDE WALL PANELS

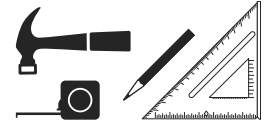
PARTS REQUIRED:



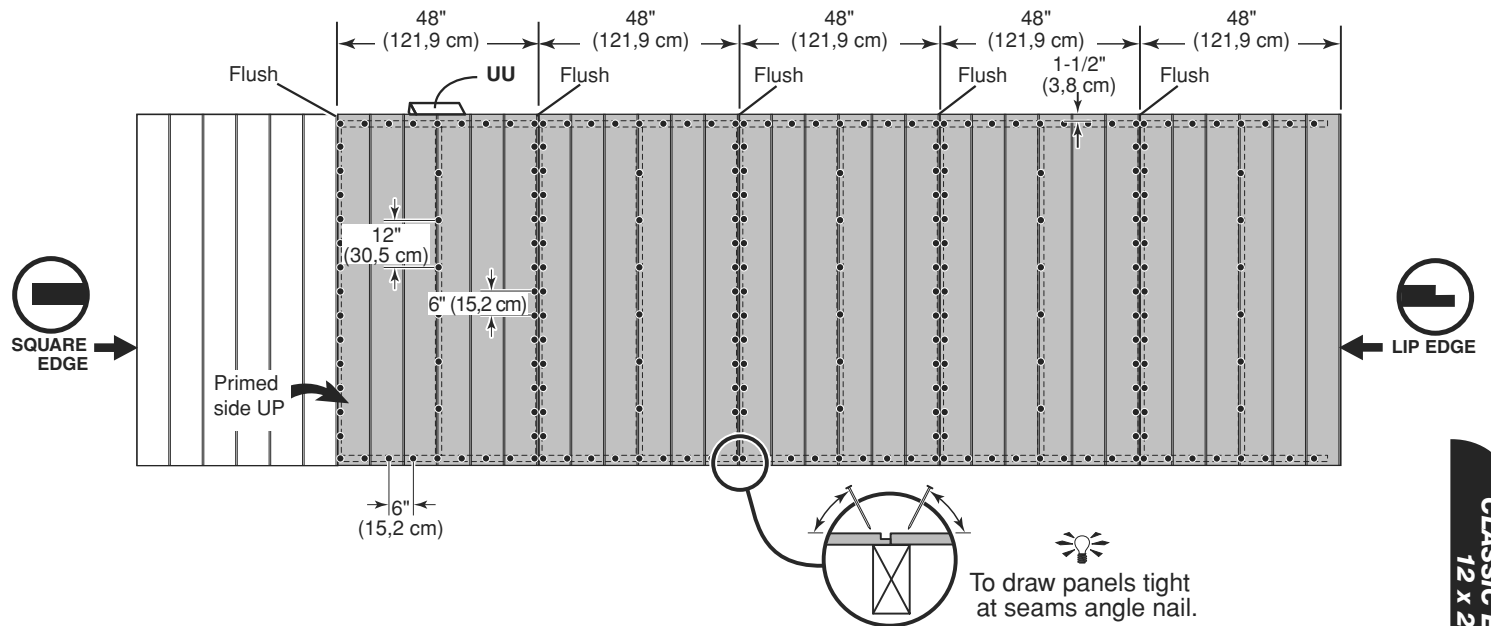
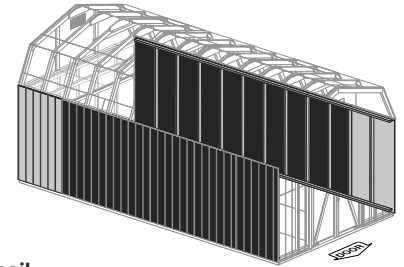
3/8 x 48 x 84"
(1 x 121,9 x 213,4 cm)

UU
2 x 4 x 9"
TEMP. SPACER

x230 2" (5,1 cm)



- 4 Place 48 x 84" panel on frame as shown with primed side facing up flush with first panel. Nail using 2" nails 6" apart on edges and 12" apart inside panel.
- 5 Repeat **STEP 4** for remaining panels.
- 6 Carefully flip your sidewall over. Repeat **STEPS 1-5** to assemble your second side wall.
- FINISH**
- 7 You have finished building both of your side walls.



CLASSIC ESTATE
12 x 24'

PARTS REQUIRED:

x5 UU

2 x 4 x 9" (5,1 x 10,2 x 22,9 cm)

x1 **AM**

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

A diagram showing a horizontal arrow pointing to the right. To the left of the arrow's tail is a vertical scale bar with the label "x10" next to it. Below the arrow, the text "3" (7,6 cm)" is written, indicating the length of the arrow.



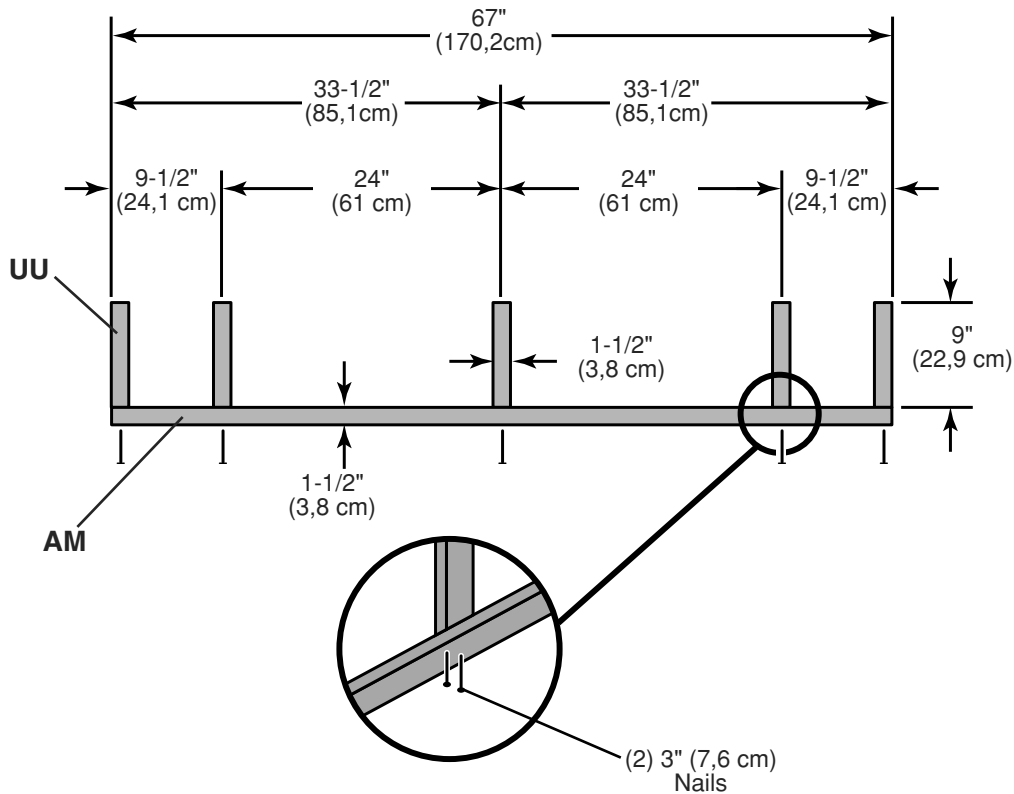
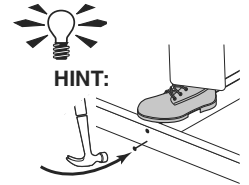
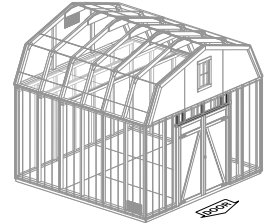
✓ BEGIN

1 Orient parts on edge on floor as shown.

2 Nail using two 3" nails at each connection.

FINISH

3 Proceed to assembling front wall frame.

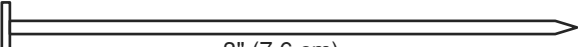


FRONT WALL FRAME

PARTS REQUIRED:

x2 **SKA**
2 x 4 x 40" (5,1 x 10,2 x 101,6 cm)

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

x24  3" (7,6 cm)

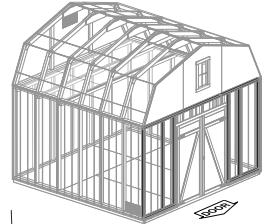
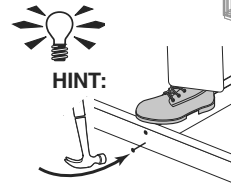
x6 **AI**
2 x 4 x 78-1/2" (5,1 x 10,2 x 199,4 cm)

x1 **TP**
2 x 4 x 96" (5,1 x 10,2 x 244,9 cm)



✓ BEGIN

- 1 Orient parts on edge on floor around door header as shown.
- 2 Nail using two 3" nails at each connection and four 3" nails at seam.

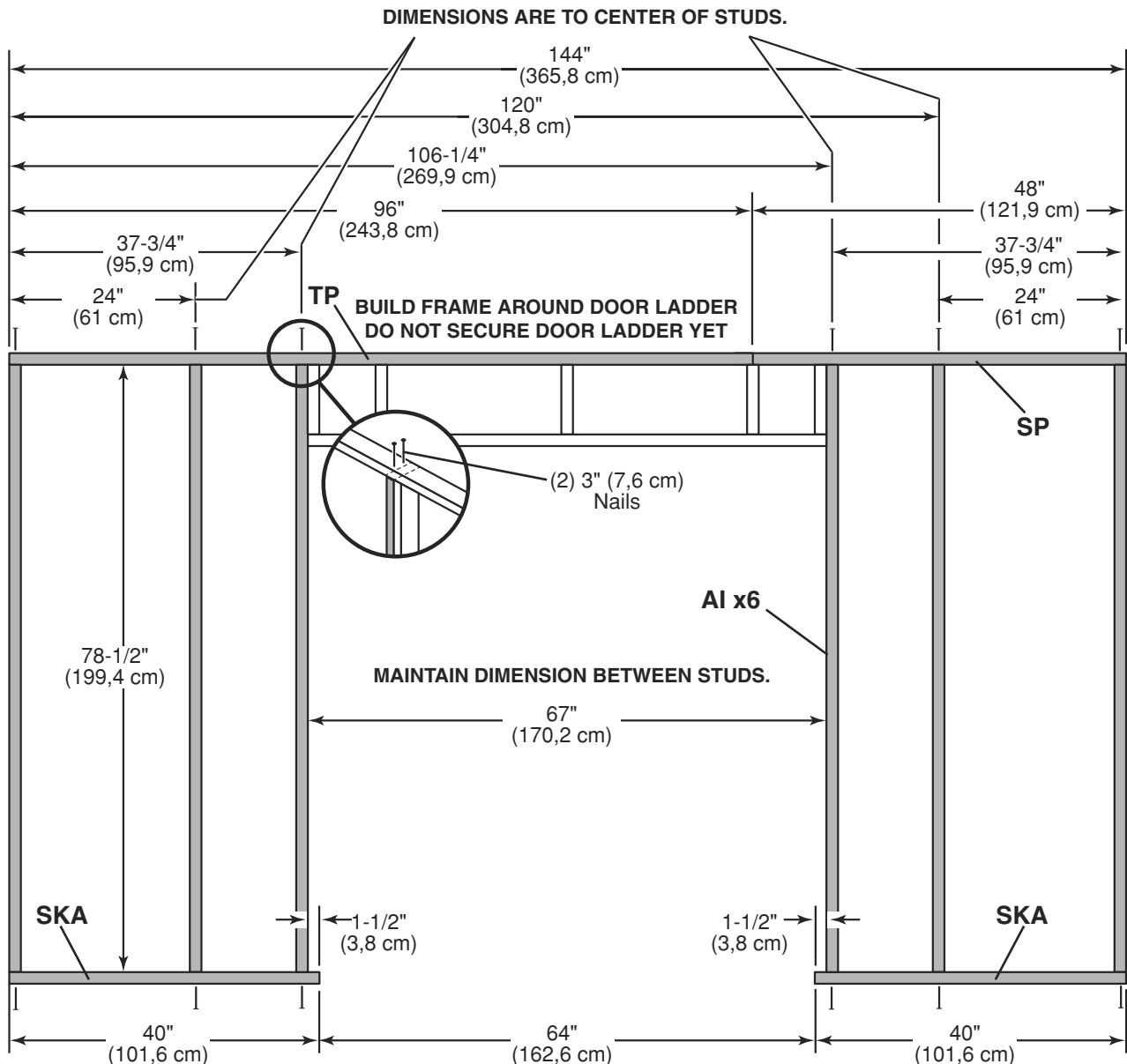


CLASSIC ESTATE
12 x 12'

CLASSIC ESTATE
12 x 16'

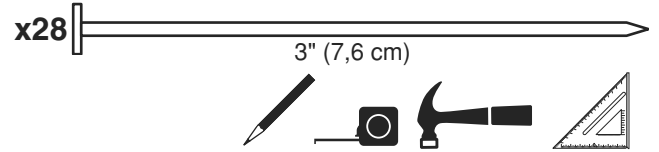
CLASSIC ESTATE
12 x 20'

CLASSIC ESTATE
12 x 24'

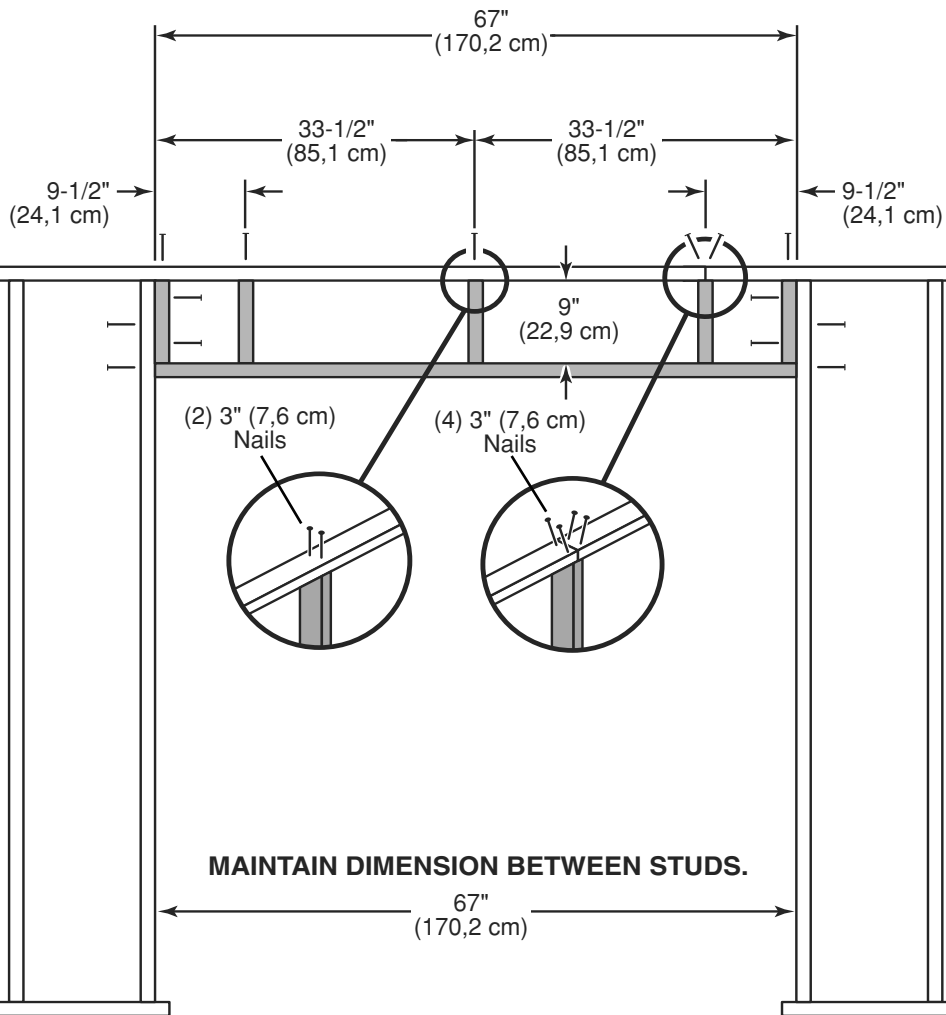
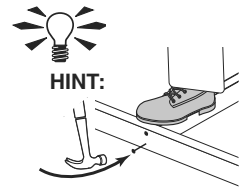
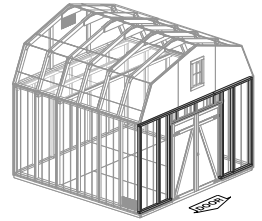


FRONT WALL FRAME

PARTS REQUIRED:



- 3 Secure door ladder to frame with 3" nails as shown.



CLASSIC ESTATE
12 x 12'

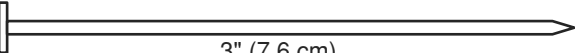
CLASSIC ESTATE
12 x 16'


CLASSIC ESTATE
12 x 20'

CLASSIC ESTATE
12 x 24'

FRONT WALL FRAME

PARTS REQUIRED:

x24  3" (7,6 cm)

x2 **UM** 
2 x 4 x 68" (5,1 x 10,2 x 172,7 cm)



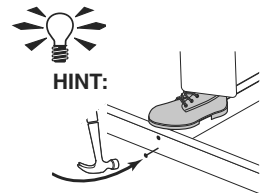
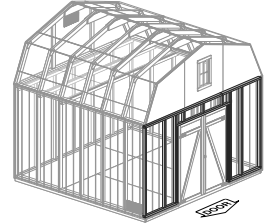
4 Orient parts on edge on floor as shown.

5 Secure using 3" nails as shown.

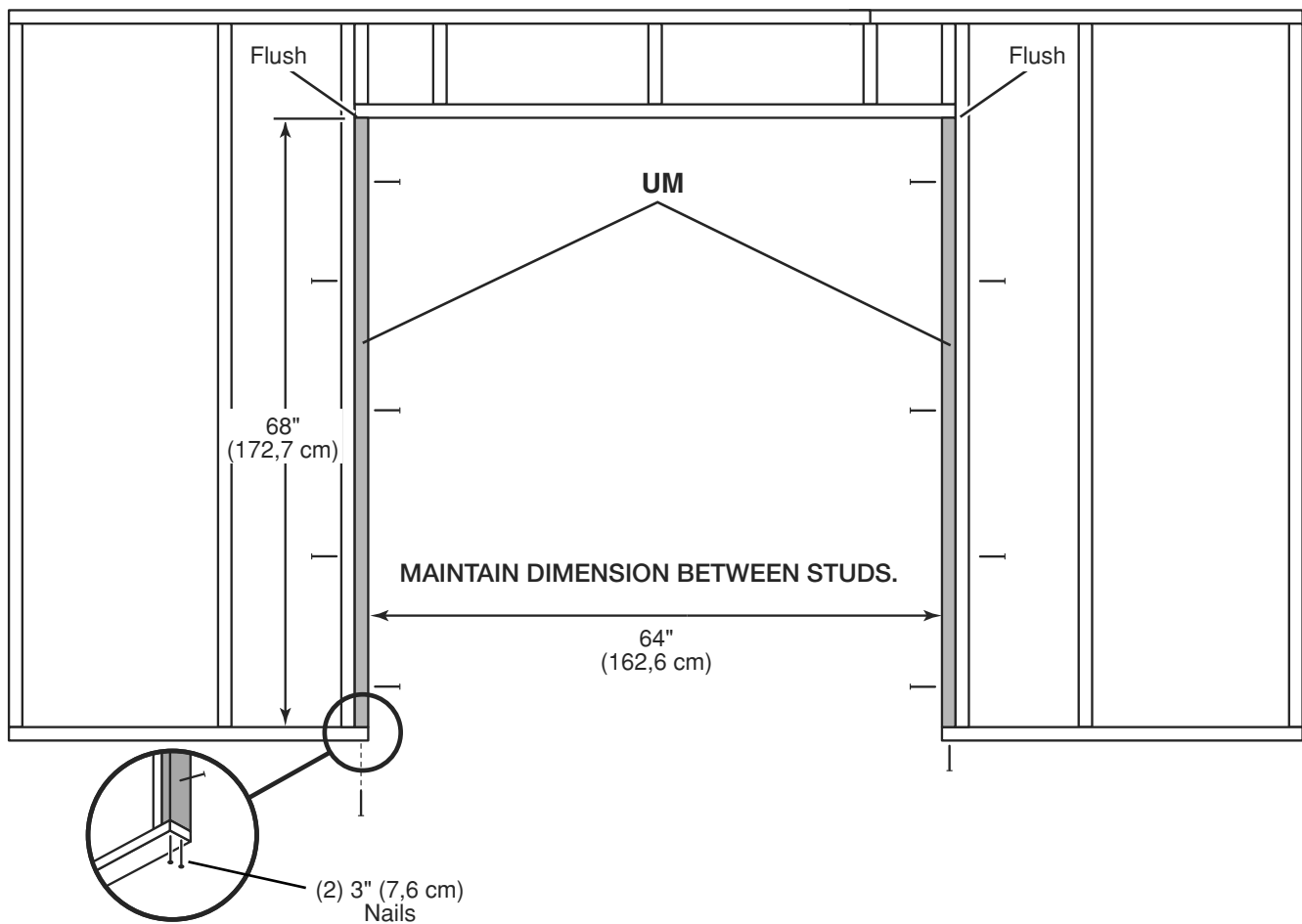


FINISH

6 You have finished building your front wall frame.



HINT:



CLASSIC ESTATE
12 x 12'

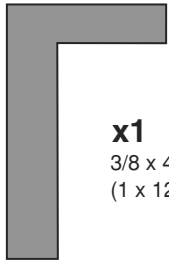
CLASSIC ESTATE
12 x 16'

CLASSIC ESTATE
12 x 20'

CLASSIC ESTATE
12 x 24'

FRONT WALL PANELS

PARTS REQUIRED:



x1

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

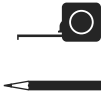
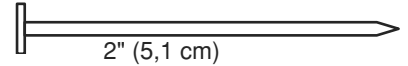


3/4" GAUGE
BLOCK



2 x 4 x 9"
TEMP. SPACER

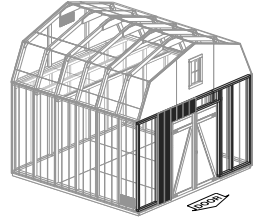
x50



CLASSIC ESTATE
12 x 12'

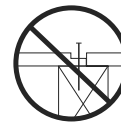
✓ BEGIN

- 1 Place the LEFT panel onto wall frame as shown with primed side up.
- 2 Use **GAA** as a gauge block to mark the 3/4" measurement on the wall stud. Locate the panel 1-1/2" from the top plate, using **UU** as a gauge block.
- 3 Nail panels to frame with two 2" nails 6" apart on edges.



FINISH

- 4 Proceed to attaching your other front panel.

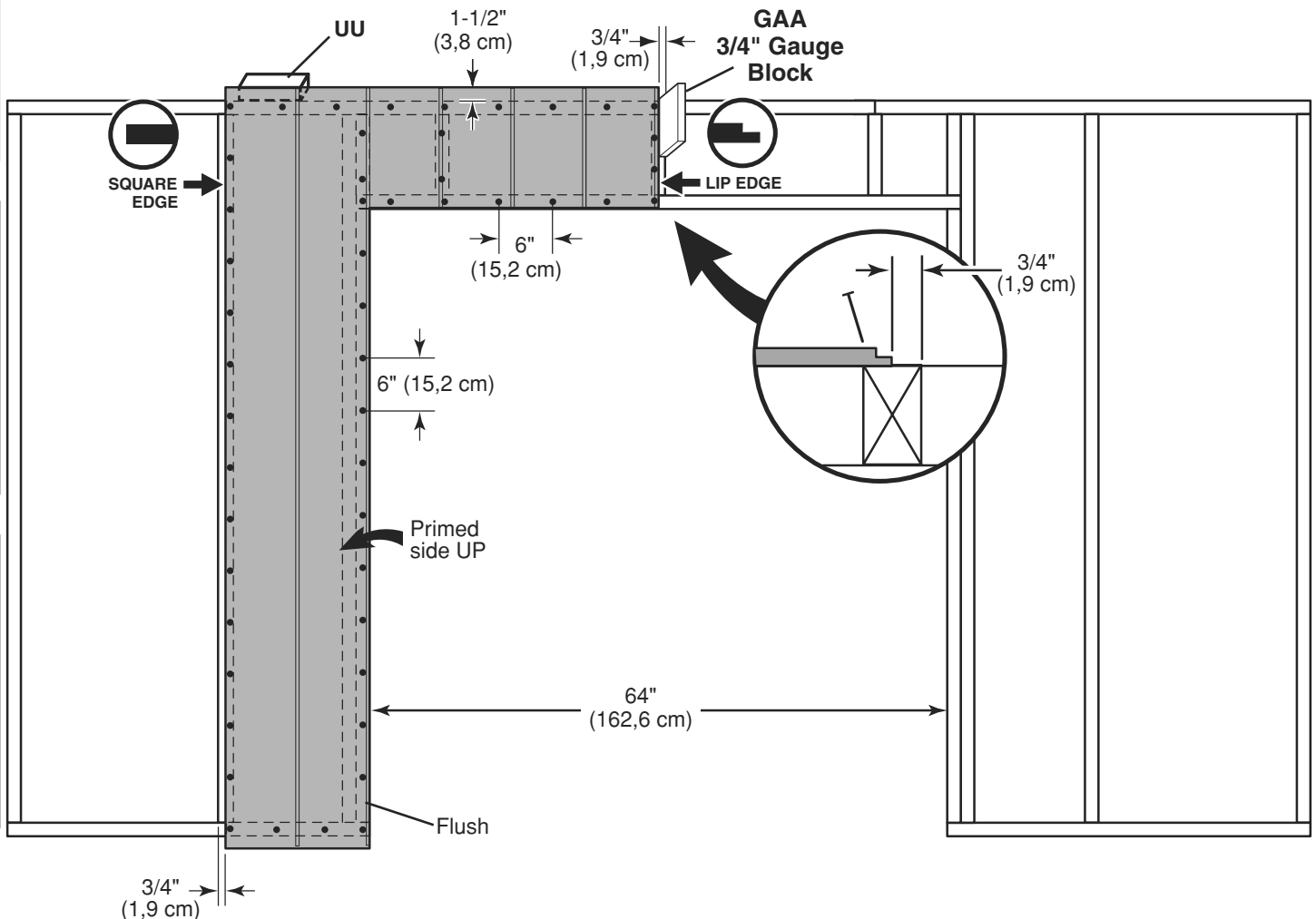


**Do not nail
in groove.**

CLASSIC ESTATE
12 x 16'

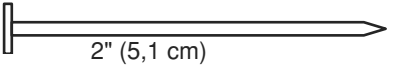
CLASSIC ESTATE
12 x 20'

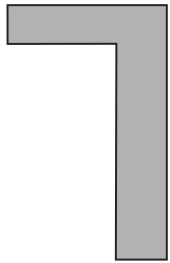
CLASSIC ESTATE
12 x 24'



FRONT WALL PANELS

PARTS REQUIRED:

x50  2" (5,1 cm)



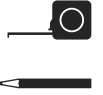
x1
3/8 x 48 x 84"
(1 x 121,9 x 213,4 cm)



3/4" GAUGE
BLOCK

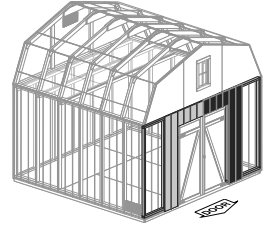


2 x 4 x 9"
TEMP. SPACER



✓ BEGIN

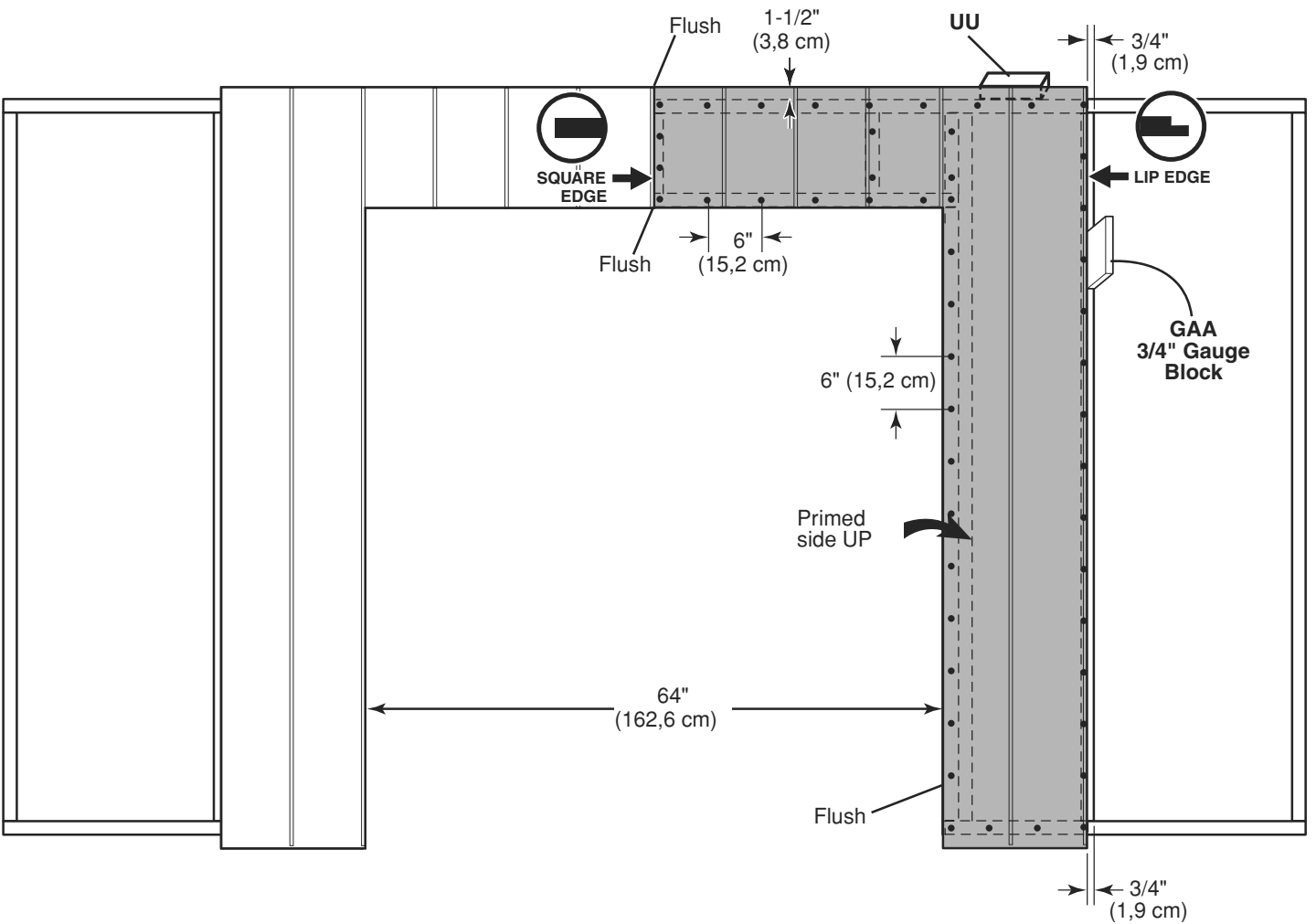
- 1 Place the RIGHT panel onto wall frame as shown with primed side up.
- 2 Use **GAA** as a gauge block to mark the 3/4" measurement on the wall stud. Locate the panel 1-1/2" from the top plate using **UU** as a gauge block.
- 3 Nail panels to frame with two 2" nails 6" apart on edges.



CLASSIC ESTATE
12 x 12'

FINISH

- 4 Proceed to attaching your wing panels.



CLASSIC ESTATE
12 x 16'

CLASSIC ESTATE
12 x 20'

CLASSIC ESTATE
12 x 24'

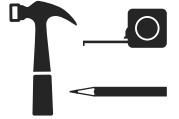
FRONT WALL WING PANELS

PARTS REQUIRED:

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

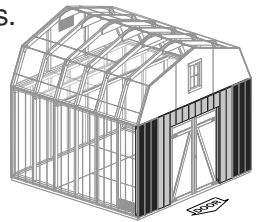
x2
3/8 x 23-7/8 x 84" (1 x 60,7 x 213,4 cm)

x2 3" (7,6 cm)
x72 2" (5,1 cm)



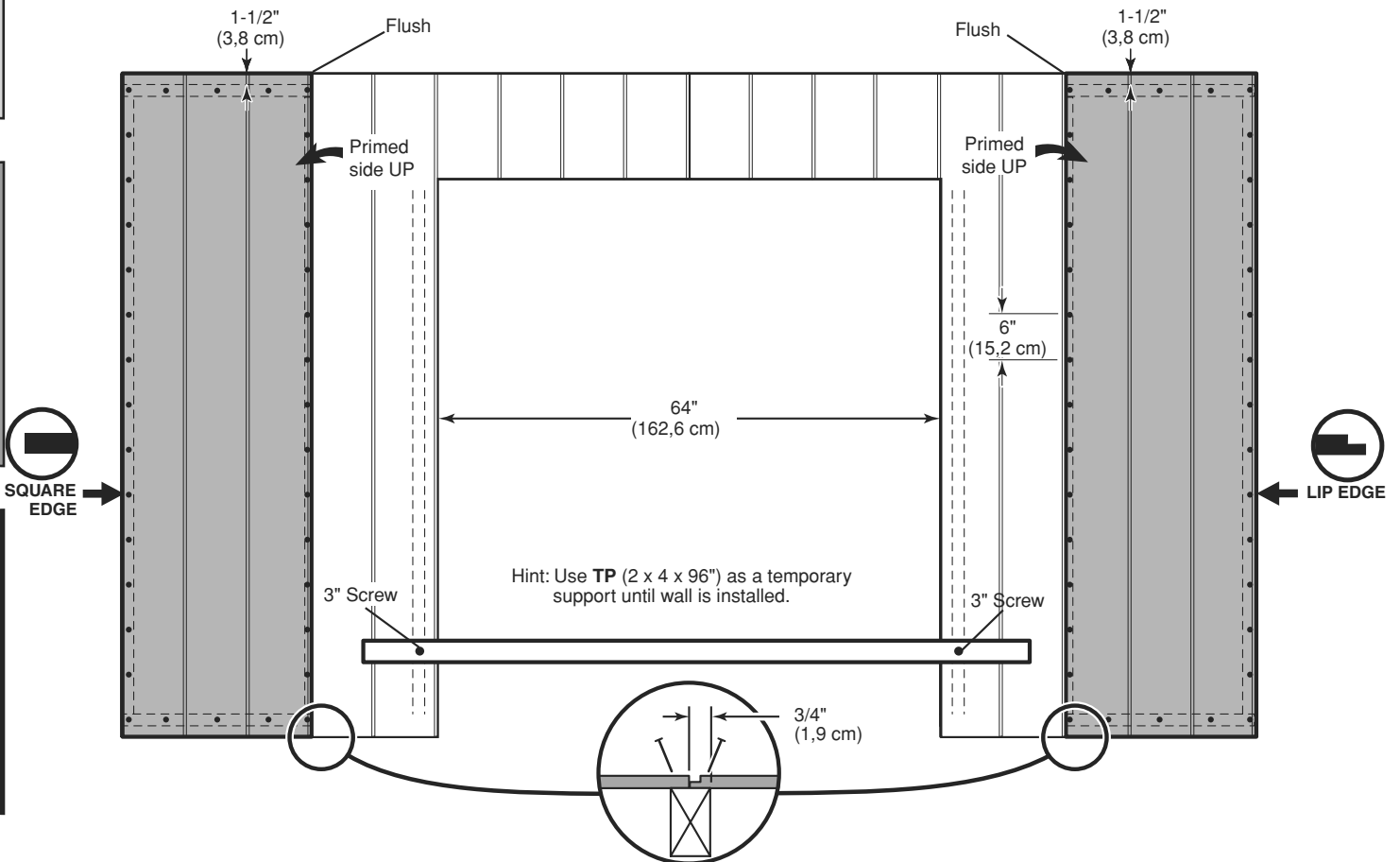
BEGIN

- 1 Place wing wall panels onto frame with top of panels flush to previously installed panels.
- 2 Nail left and right wing wall flush to panel already attached using 2" nails 6" apart.
- 3 Attach tempoary support **TP** using two 3" screws as shown.



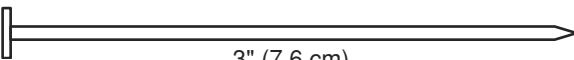
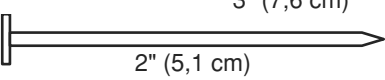
FINISH

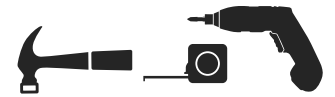
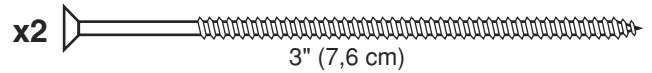
- 4 Proceed to assembling your side wall frames.



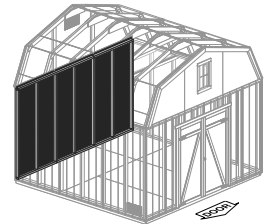
BACK WALL INSTALLATION

PARTS REQUIRED:

- x12  3" (7,6 cm)
- x27  2" (5,1 cm)



✓ BEGIN



- 1 Center back wall assembly on the 144" (363,8 cm) floor dimension.

 Ensure 1-1/2" measurement is on top

- 2 Use **OO** as a temporary brace. Secure with two 3" screws.

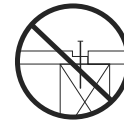
- 3 First, nail lower edge of panel to floor frame using 2" nails 6" apart. Angle nail to hit floor frame (**Fig. A**).

- 4 Nail back wall bottom plate to floor using twelve 3" nails.
(Nail two 3" nails between each stud through bottom plate)

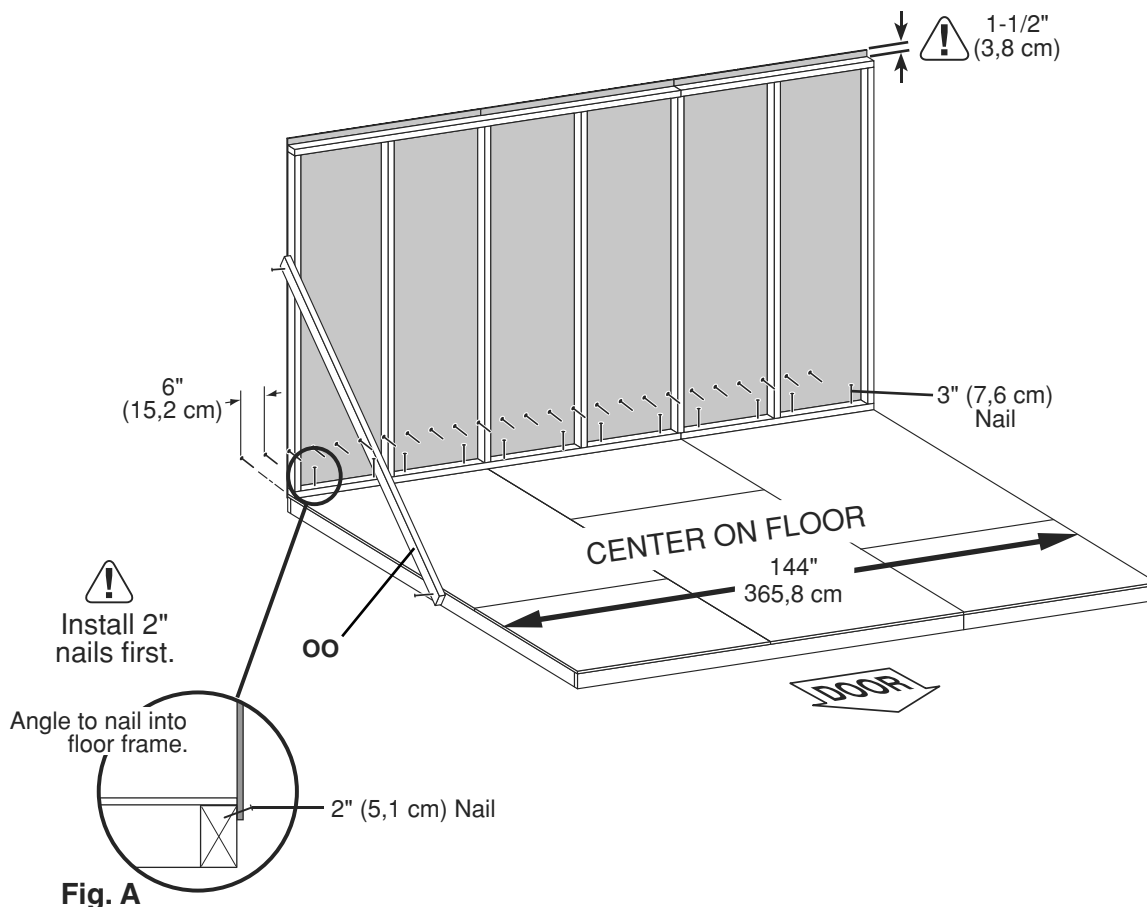


FINISH

- 5 You have finished standing your back wall.



 Do not nail in groove.



NOTE: 12' x 12' Model Shown.

CLASSIC ESTATE
12 x 12'

CLASSIC ESTATE
12 x 16'

CLASSIC ESTATE
12 x 20'

CLASSIC ESTATE
12 x 24'

SIDE WALLS INSTALLATION

12x12' 12x16' 12x20' 12x24'



x20

x55



x28

x63



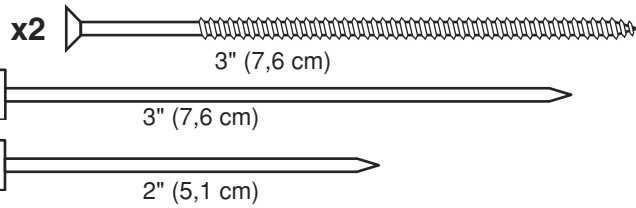
x36

x71

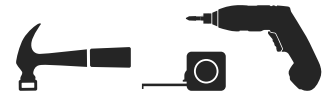


x44

x79



PARTS REQUIRED:



CLASSIC ESTATE
12 x 12'

CLASSIC ESTATE
12 x 16'

CLASSIC ESTATE
12 x 20'

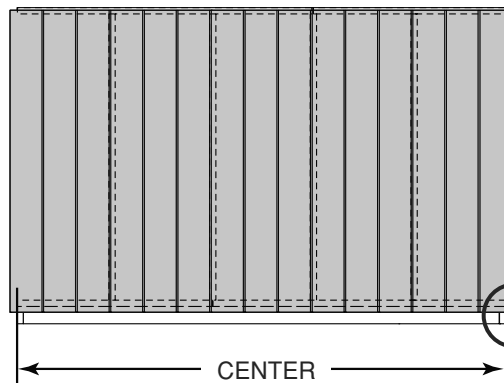
CLASSIC ESTATE
12 x 24'

✓ BEGIN

Stand right sidewall on floor.

⚠ It is important to secure the sidewall in the following order.

- Center sidewall on floor front to back.
Nail the lower sidewall corner to the backwall with one 2" nail (**Fig. A**).



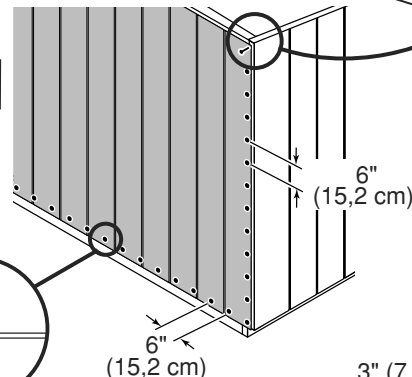
2" (5,1 cm)
Nail

Fig. A

- Be sure the measurement between the panel edge is the same along the entire length. Then secure with one 2" nail in the upper corner (**Fig. B**).

Nail along the panel edge using 2" nails spaced 6" apart.

Nail along bottom of panel using 2" nails 6" apart. Angle nail to hit floor frame (**Fig. C**).



2" (5,1 cm)
Nail

Fig. B

Same
Measurement

Panel

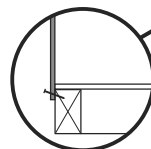


Fig. C

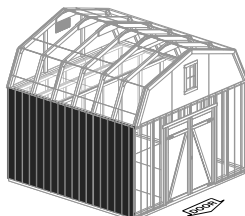
6"
(15,2 cm)

3" (7,6 cm)
Screw

Fig. D

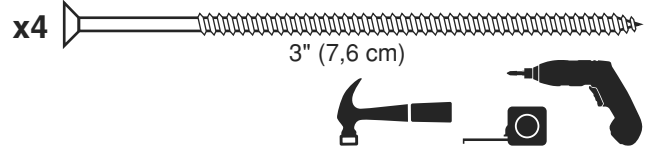
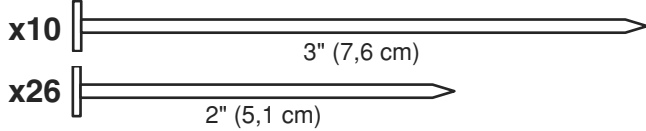
- Nail down the bottom plate using two 3" nails between the wall studs.
Secure top plates using two 3" screws (**Fig. D**).

Remove temporary brace.
Repeat process to secure the left sidewall.



FRONT WALL INSTALLATION

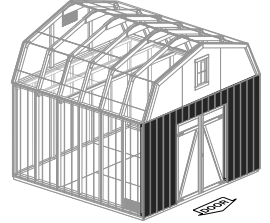
PARTS REQUIRED:



✓ BEGIN

Stand front wall on floor.

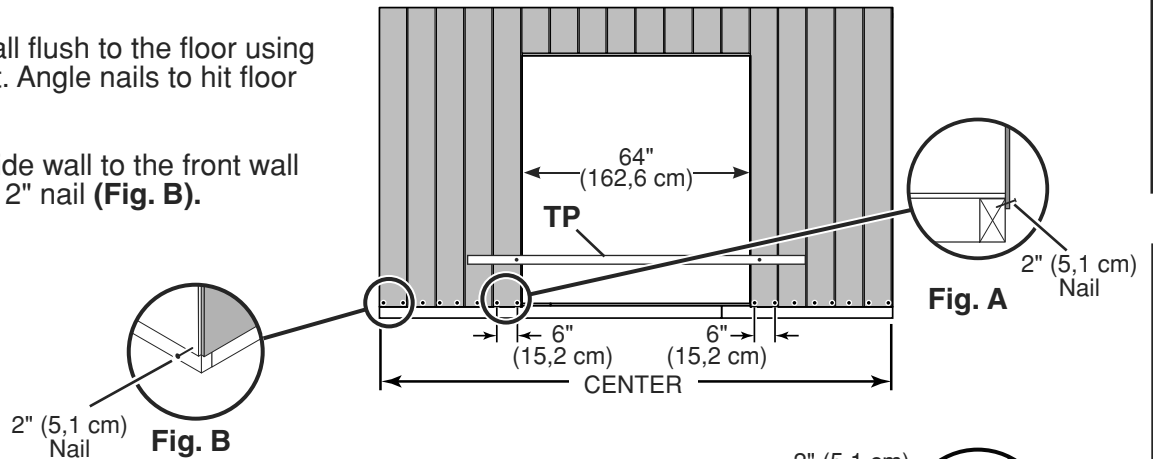
⚠ It is important to secure the front wall in the following order.



1 Center front wall on floor side-to-side.

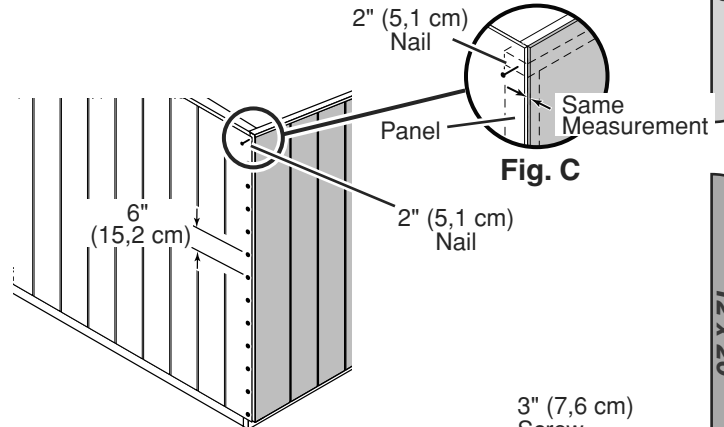
Nail the front wall flush to the floor using 2" nails 6" apart. Angle nails to hit floor frame (Fig. A).

Nail the lower side wall to the front wall corner with one 2" nail (Fig. B).



2 Be sure the measurement between the panel edge is the same along the entire length. Then secure with one 2" nail in the upper corner (Fig. C).

Nail along the panel edge using 2" nails spaced 6" apart.

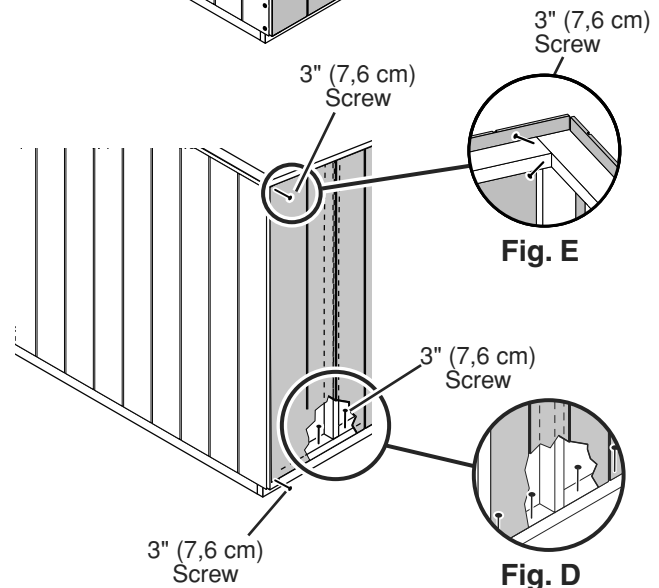


3 Secure the front wall frame using two 3" nails (Fig. D).

Secure top plates using two 3" screws (Fig. E).

Repeat process to secure the right side of the front wall.

4 Remove TP temporary brace



CLASSIC ESTATE
12 x 12'

CLASSIC ESTATE
12 x 16'

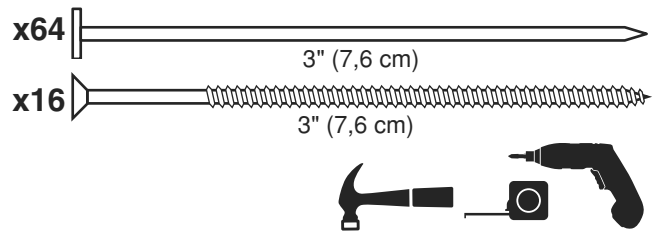
CLASSIC ESTATE
12 x 20'

CLASSIC ESTATE
12 x 24'

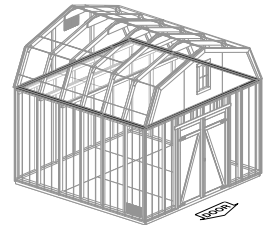
12' x 12' WALL DOUBLERS INSTALLATION

PARTS REQUIRED:

- x2 **SP** 2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)
 x2 **STL** 2 x 4 x 44-1/2" (5,1 x 10,2 x 113 cm)
 x2 **TJ** 2 x 4 x 92-1/2" (5,1 x 10,2 x 235 cm)
 x2 **TP** 2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)



- FOR 12' x 16', SKIP TO PAGE 43
- FOR 12' x 20', SKIP TO PAGE 44
- FOR 12' x 24', SKIP TO PAGE 45



CLASSIC ESTATE
12 x 12'

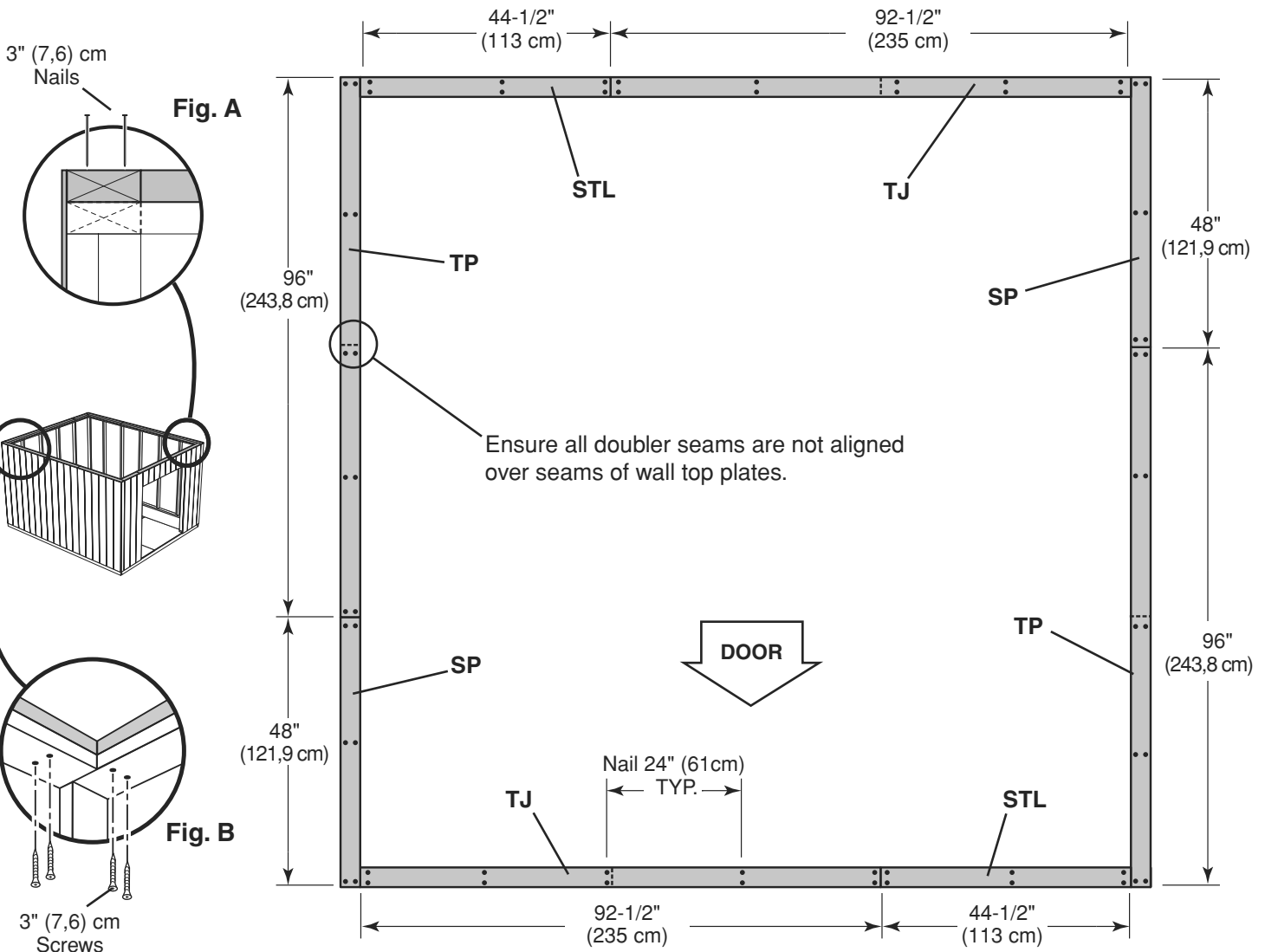
✓ BEGIN

- 1 Orient parts on top of wall frames. Measure and mark from end of boards.
- 2 Secure from top using two 3" nails spaced every 24" (Fig. A).
- 3 Secure from bottom using four 3" screws at each corner (Fig. B).



FINISH

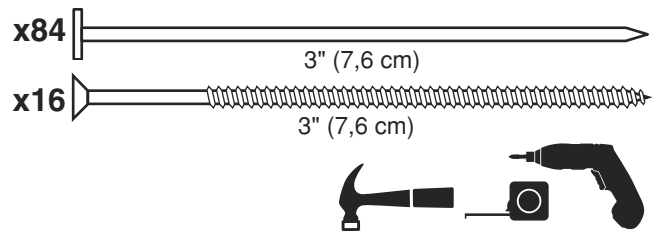
- 4 You have finished securing the wall doublers.



12' x 20' WALL DOUBLERS INSTALLATION

PARTS REQUIRED:

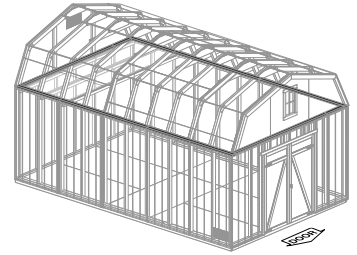
- x2 **SP** 2 x 4 x 48" (5,1 x 10,2 x 121,9 cm) x2 **STL** 2 x 4 x 44-1/2" (5,1 x 10,2 x 113 cm)
- x2 **TJ** 2 x 4 x 92-1/2" (5,1 x 10,2 x 235 cm)
- x4 **TP** 2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)



• FOR 12' x 24', SKIP TO PAGE 45

BEGIN

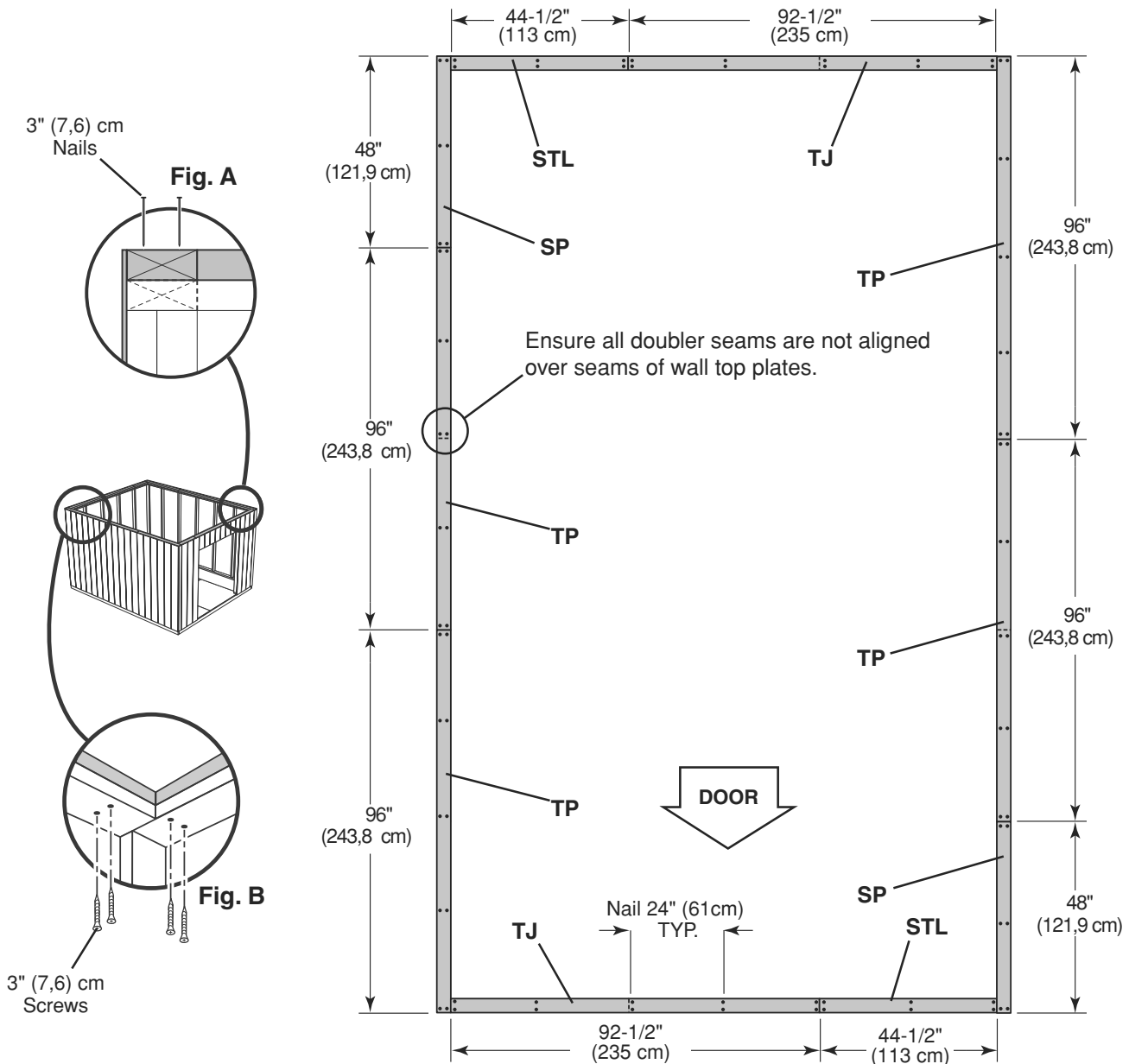
- 1 Orient parts on top of wall frames. Measure and mark from end of boards.
- 2 Secure from top using two 3" nails spaced every 24" (Fig. A).
- 3 Secure from bottom using four 3" screws at each corner (Fig. B).



FINISH

- 4 You have finished securing the wall doublers.

CLASSIC ESTATE
12 x 20'



RAFTERS

12x12' 12x16' 12x20' 12x24'

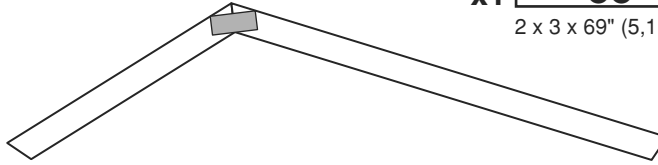
PARTS REQUIRED:

x1 **OO**
2 x 3 x 69" (5,1 x 7,6 x 175,3 cm) Temp Support

x14 x18 x22 x26

x12 x16 x20 x24

x144 x192 x240 x288



6 x 24" (15,2 x 61 cm)

2" (5,1 cm)



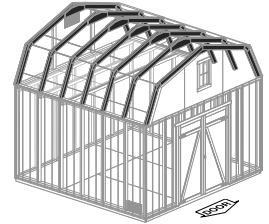
CLASSIC ESTATE
12 x 12'

BEGIN

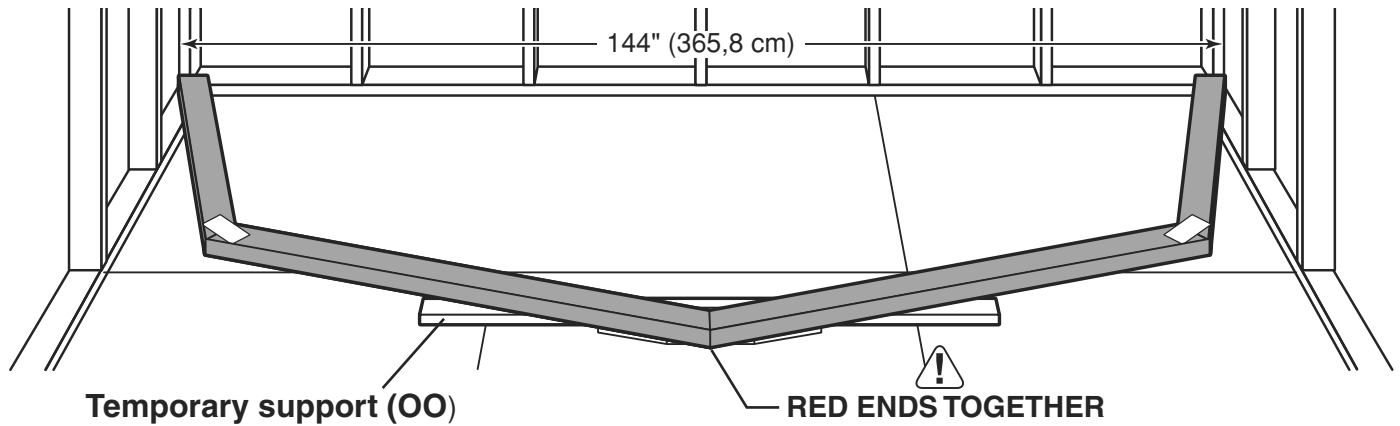
- 1** You will build assemblies from quantities listed; Place two rafter-halves in the corner of back and side walls. The **RED ENDS** identify the ends to be connected at the center.



HINT:
Use floor and walls to help assemble rafters!



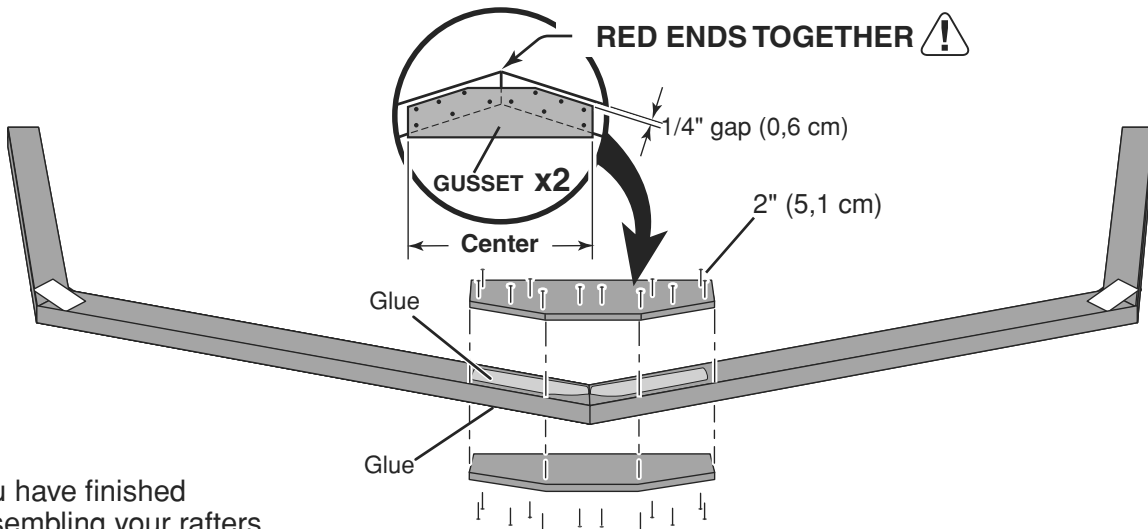
CLASSIC ESTATE
12 x 16'



CLASSIC ESTATE
12 x 20'

- 2** Apply glue to rafters where the gusset will fit.
- 3** **RED ENDS** of Rafters must touch together at the peak. Nail gusset to rafters using twelve 2" nails in pattern shown. **Assemble 2 rafters with only one gusset.**
- 4** Flip over all but two rafter assemblies and repeat **STEPS 2-3** to attach second gusset to other side. (Outside rafters use gable panel as one gussett.)
- 5** Repeat **STEPS 1-4** to build additional rafter assemblies.

CLASSIC ESTATE
12 x 24'

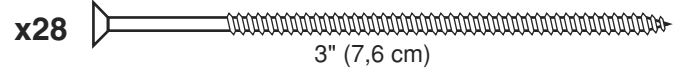
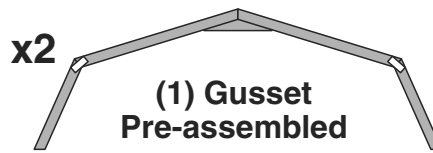
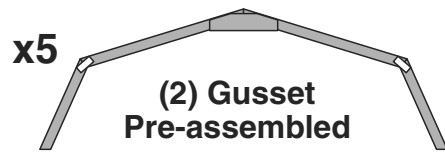


FINISH

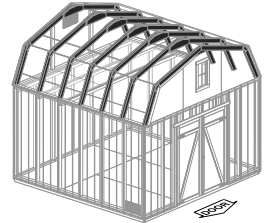
- 6** You have finished assembling your rafters.

12' x 12' RAFTER INSTALLATION

PARTS REQUIRED:



- FOR 12' x 16', SKIP TO PAGE 48
- FOR 12' x 20', SKIP TO PAGE 49
- FOR 12' x 24', SKIP TO PAGE 50



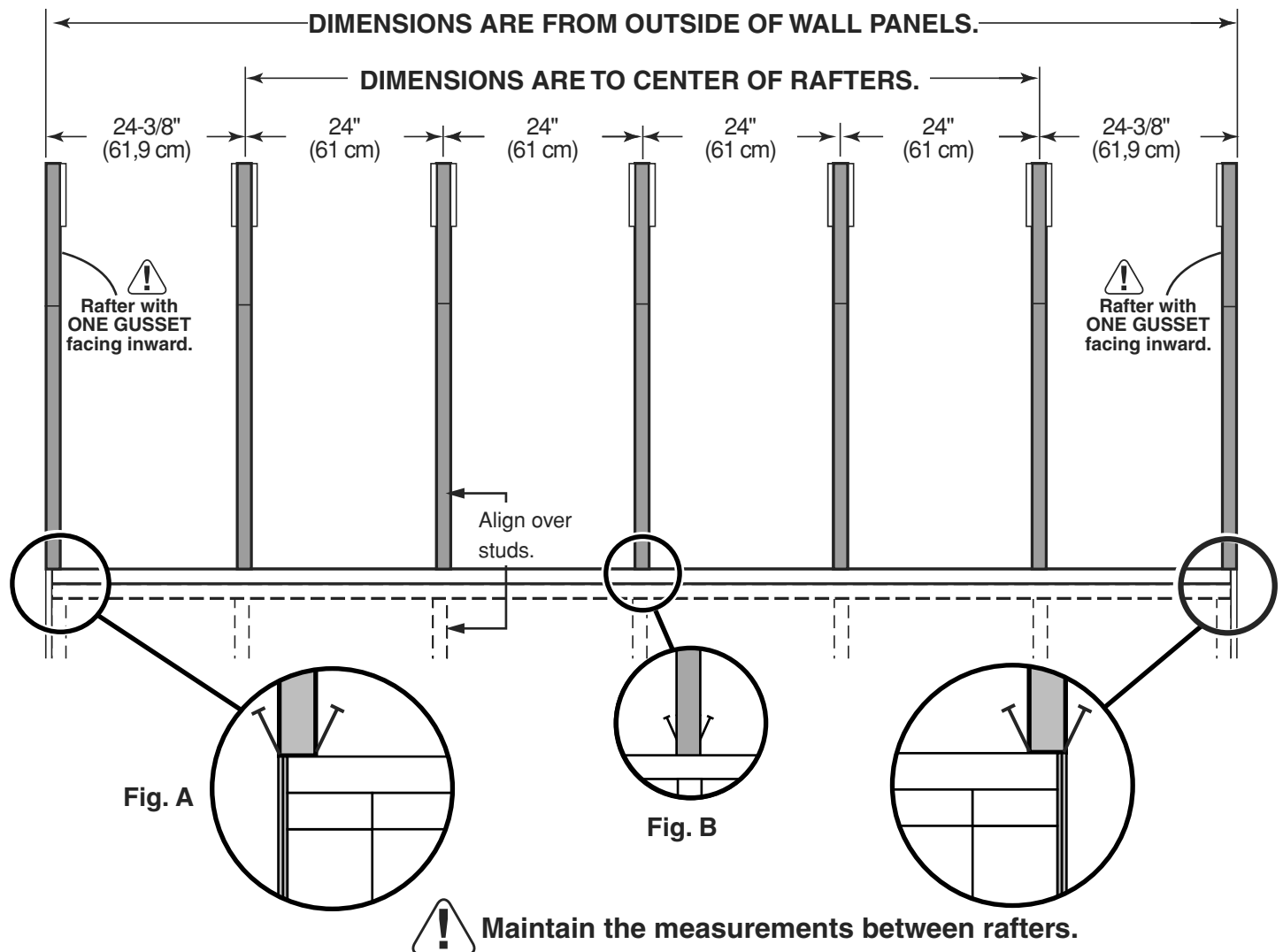
CLASSIC ESTATE
12 x 12'

✓ BEGIN

- 1 Locate rafters directly over the wall studs. Check you have the measurements shown.
- 2 Secure end rafters using two screws at siding seam (**Fig. A**).
- 3 Secure with two 3" screws angled at each end (**Fig. B**).

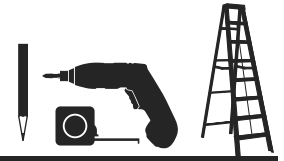
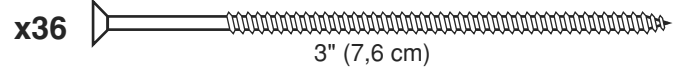
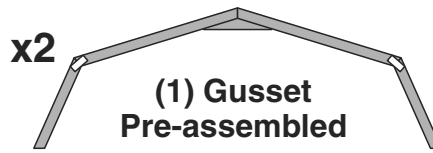
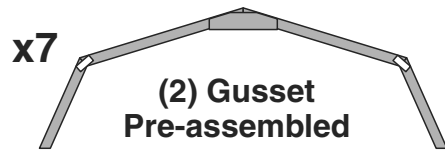
FINISH

- 4 You have finished installing your rafters. **Proceed to page 51.**

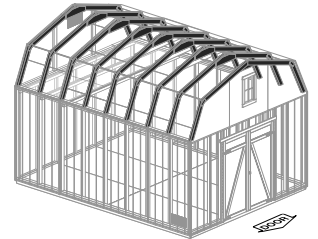


12' x 16' RAFTER INSTALLATION

PARTS REQUIRED:



- FOR 12' x 20', SKIP TO PAGE 49
- FOR 12' x 24', SKIP TO PAGE 50



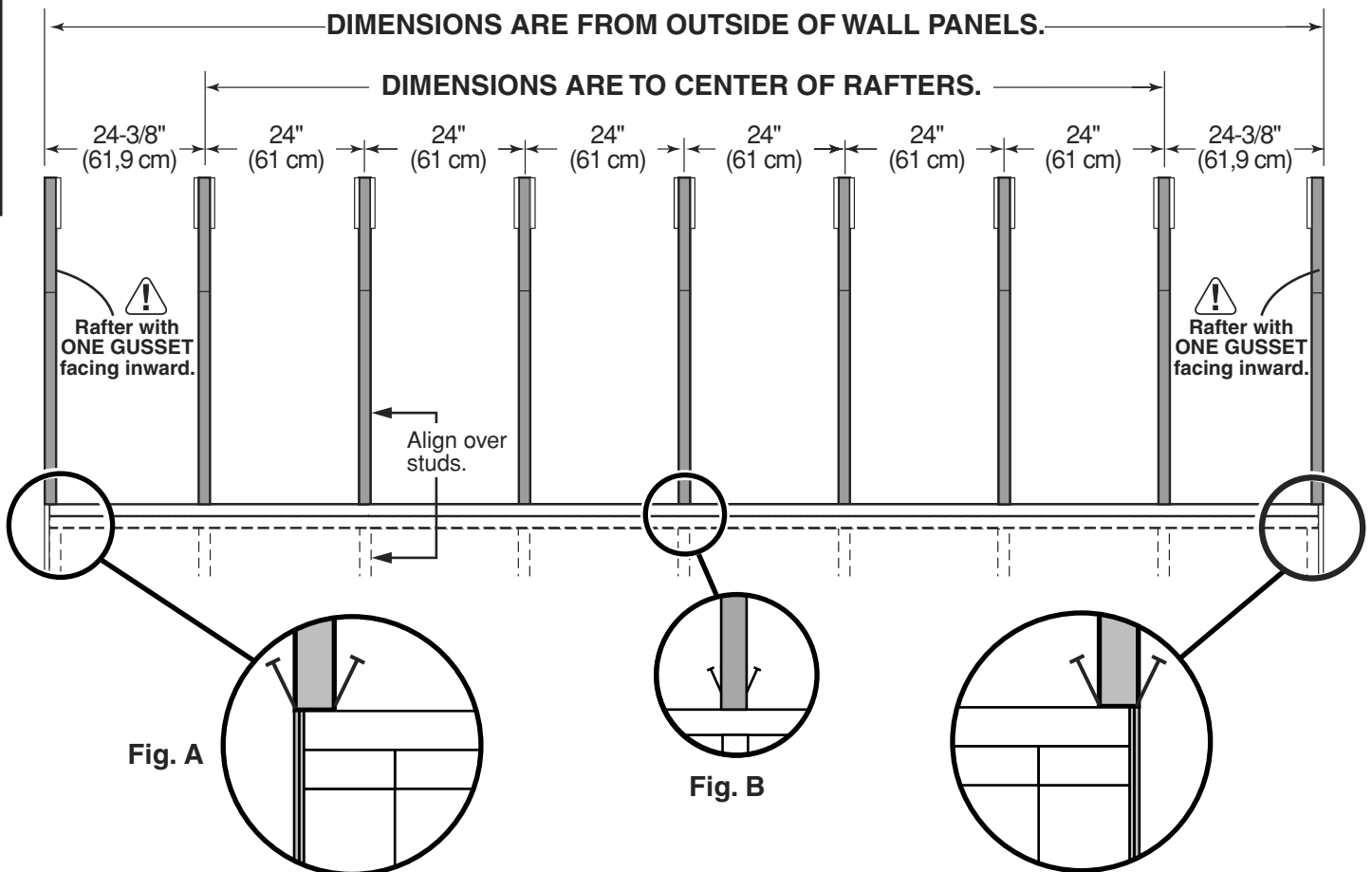
✓ BEGIN

- 1 Locate rafters directly over the wall studs. Check you have the measurements shown.
- 2 Secure end rafters using two screws at siding seam (Fig. A).
- 3 Secure with two 3" screws angled at each end (Fig. B).

FINISH

- 4 You have finished installing your rafters. **Proceed to page 51.**

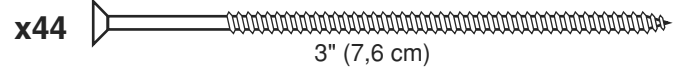
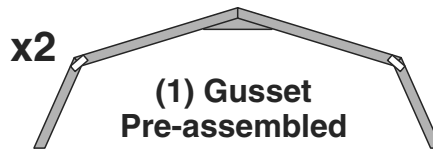
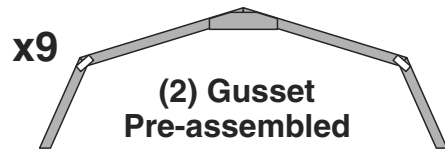
CLASSIC ESTATE
12 x 16'



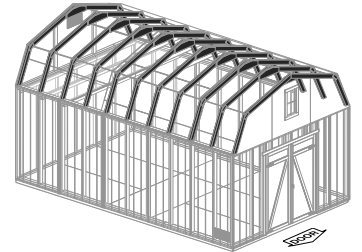
Maintain the measurements between rafters.

12' x 20' RAFTER INSTALLATION

PARTS REQUIRED:



• FOR 12' x 24', SKIP TO PAGE 50

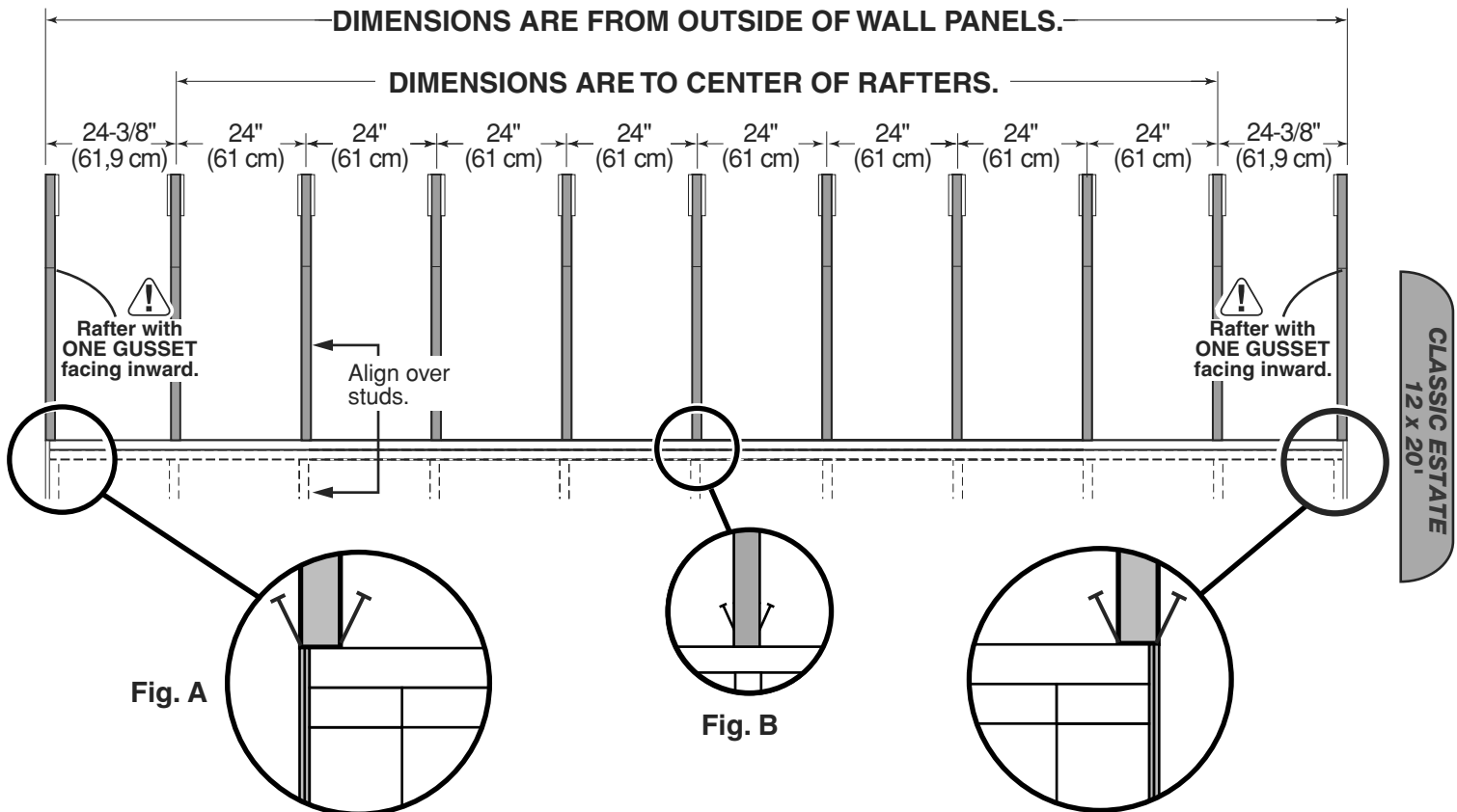


✓ BEGIN

- 1 Locate rafters directly over the wall studs. Check you have the measurements shown.
- 2 Secure end rafters using two screws at siding seam (Fig. A).
- 3 Secure with two 3" screws angled at each end (Fig. B).

FINISH

- 4 You have finished installing your rafters. Proceed to page 51.

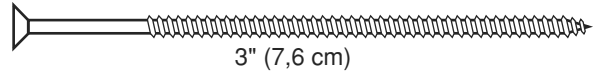


Maintain the measurements between rafters.

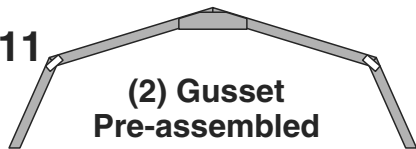
12' x 24' RAFTER INSTALLATION

PARTS REQUIRED:

x52

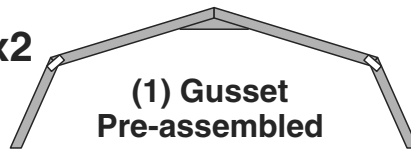


x11



(2) Gusset
Pre-assembled

x2

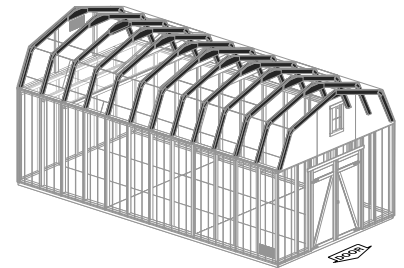


(1) Gusset
Pre-assembled



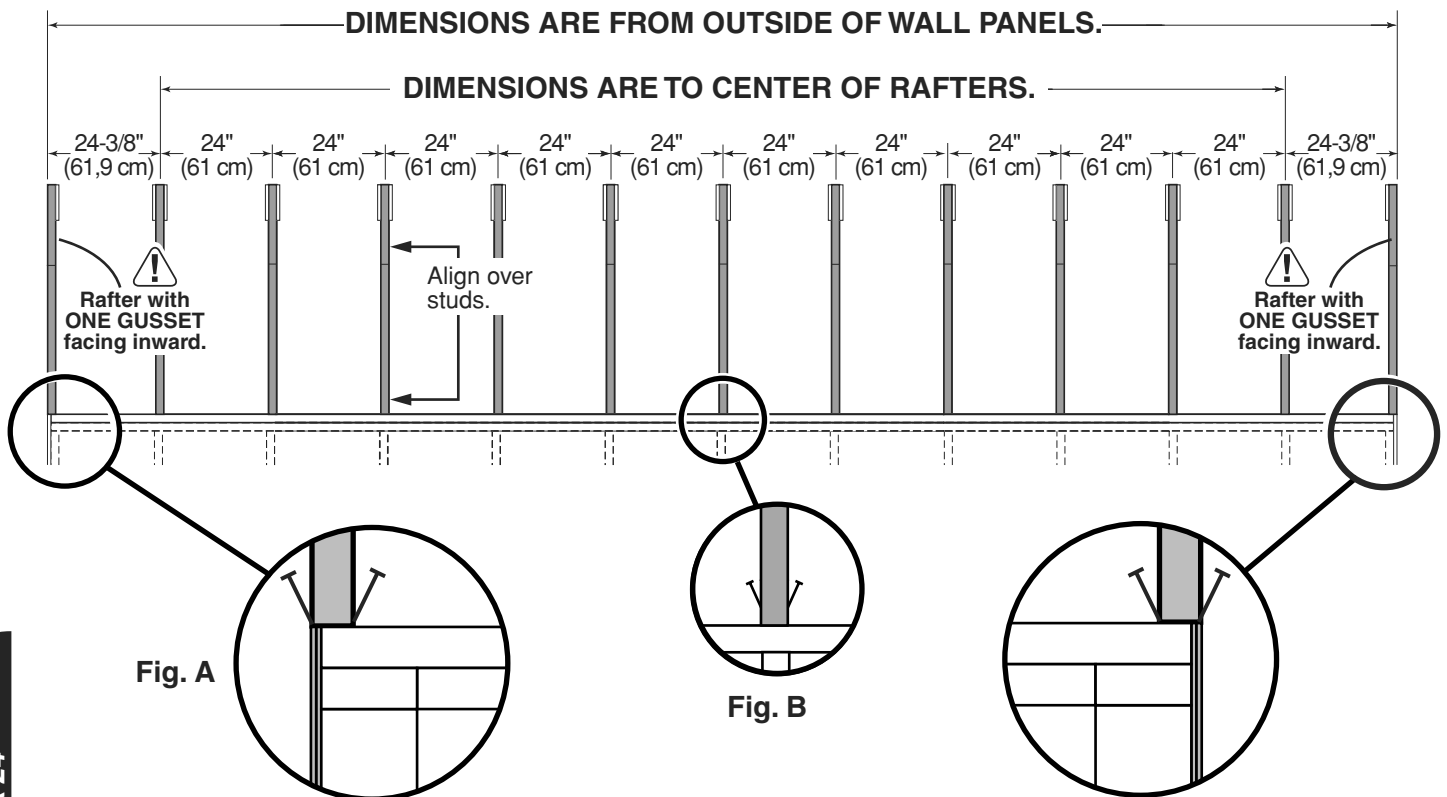
✓ BEGIN

- 1 Locate rafters directly over the wall studs. Check you have the measurements shown.
- 2 Secure end rafters using two screws at siding seam (**Fig. A**).
- 3 Secure with two 3" screws angled at each end (**Fig. B**).



FINISH

- 4 You have finished installing your rafters.



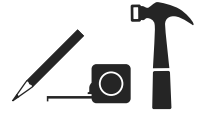
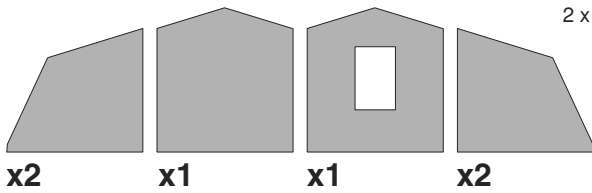
Maintain the measurements between rafters.

GABLE PANELS

PARTS REQUIRED:

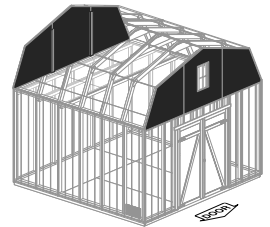
x4 **QL**
2 x 4 x 39" (5,1 x 10,2 x 99,1 cm)

x56 1-1/2" (3,8 cm)



✓ BEGIN

- 1 Place center gable panel on **QL** primed side up as shown.
- 2 Mark bottom of center gable panel at center on primed side.
- 3 Place left panel on **QL** flush to center gable panel and secure using 1-1/2" nails.
- 4 Repeat **STEP 3** for right panel.
- 5 Repeat **STEP 1-4** for front gable panels.

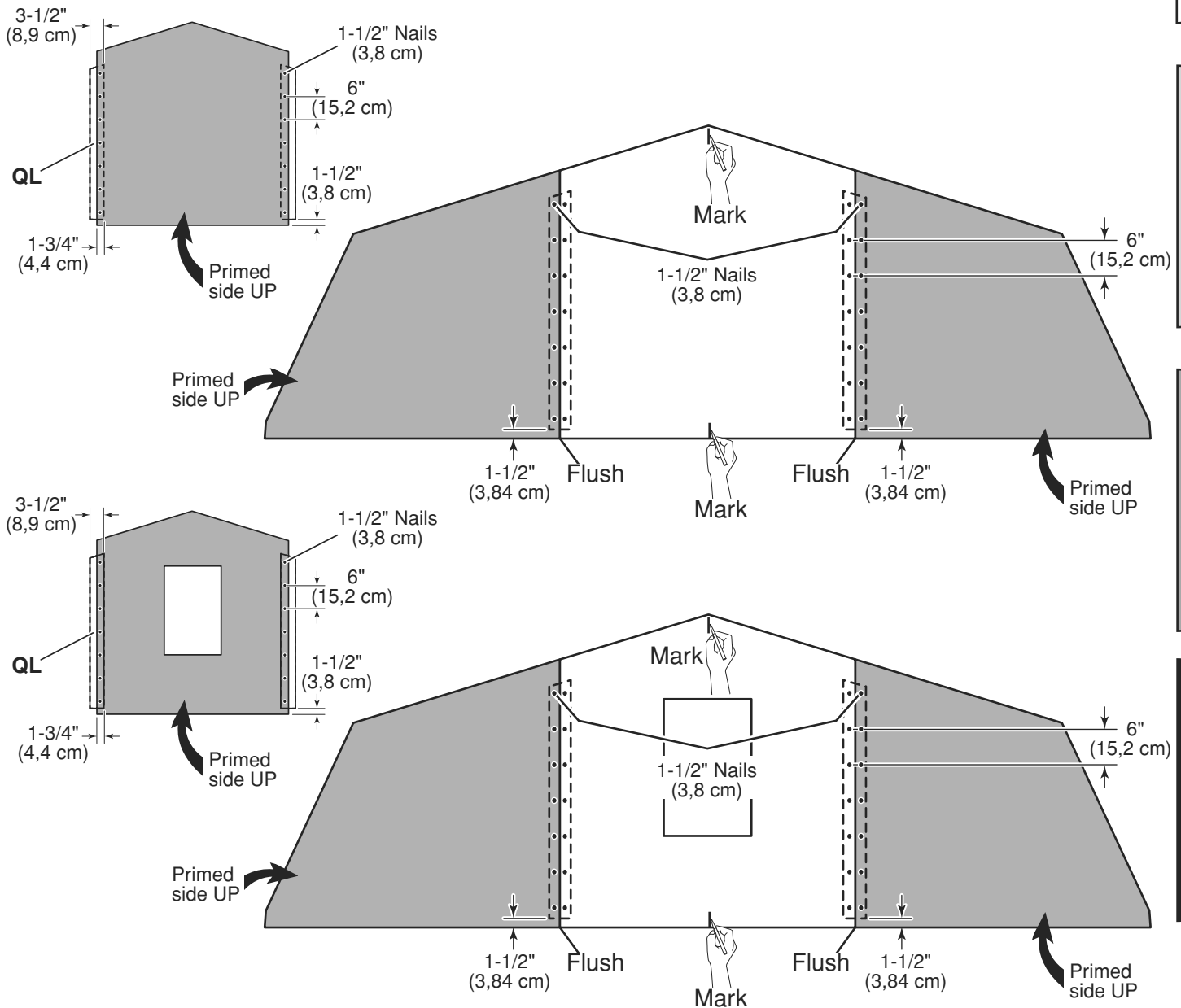


CLASSIC ESTATE
12 x 12'

CLASSIC ESTATE
12 x 16'

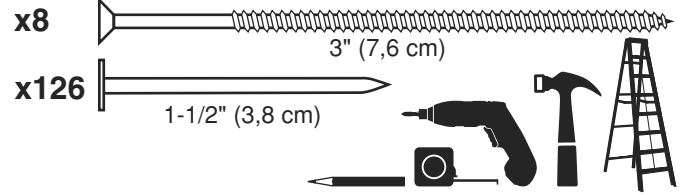
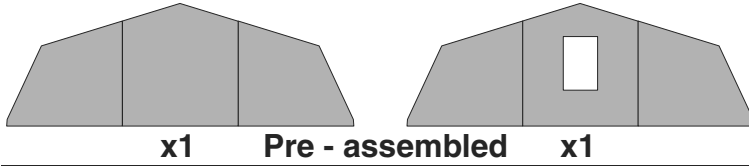
CLASSIC ESTATE
12 x 20'

CLASSIC ESTATE
12 x 24'



GABLE INSTALLATION

PARTS REQUIRED:

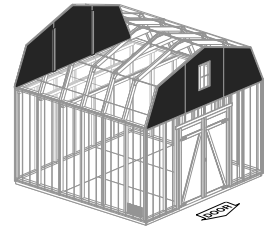


- 6 Center gable assembly on back wall and overlap back wall. Nail using 1-1/2" nails 6" apart as shown.
- 7 Secure rear gable connectors onto doubler using 3" screws as shown.
- 8 Repeat **Steps 6 - 7** to attach front gable assembly.

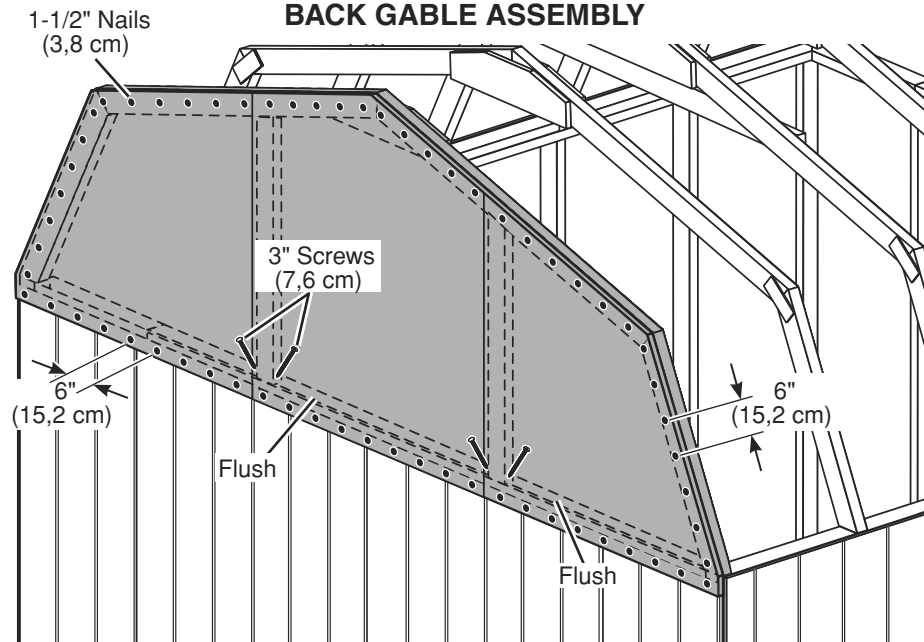


FINISH

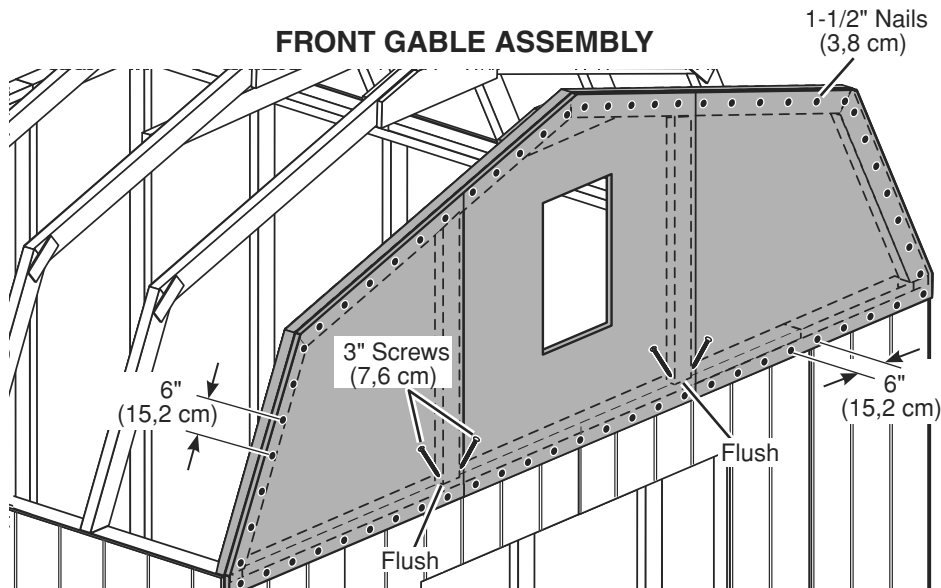
- 9 You have finished installing the gable panels.



BACK GABLE ASSEMBLY



FRONT GABLE ASSEMBLY



12' X 12' ROOF PANELS

PARTS REQUIRED:

x2

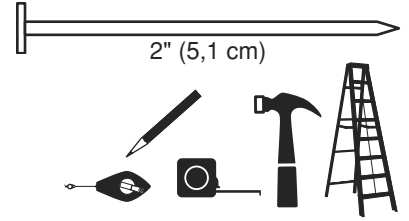


7/16 x 48 x 96" (1,1 x 121,9 x 243,8 cm)



3/4"
GAUGE BLOCK

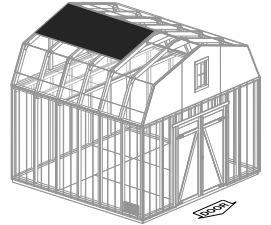
x8



• FOR 12' x 16', SKIP TO PAGE 56

• FOR 12' x 20', SKIP TO PAGE 59

• FOR 12' x 24', SKIP TO PAGE 62



CLASSIC ESTATE
12 x 12'



Roof panels may cause serious injury until securely fastened.

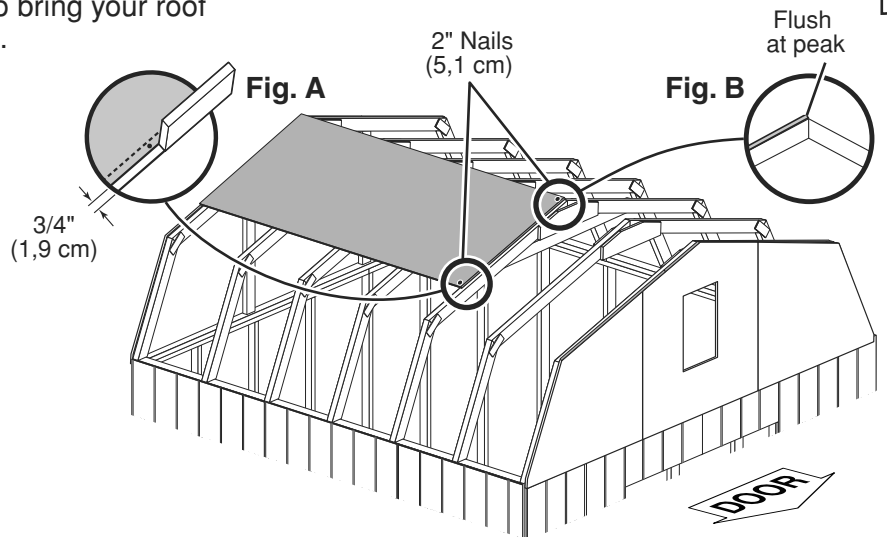


You must square the roof by attaching one panel first. You must use the panel's long edge as a lever to bring your roof into square. Commonly known as "racking".

BEGIN

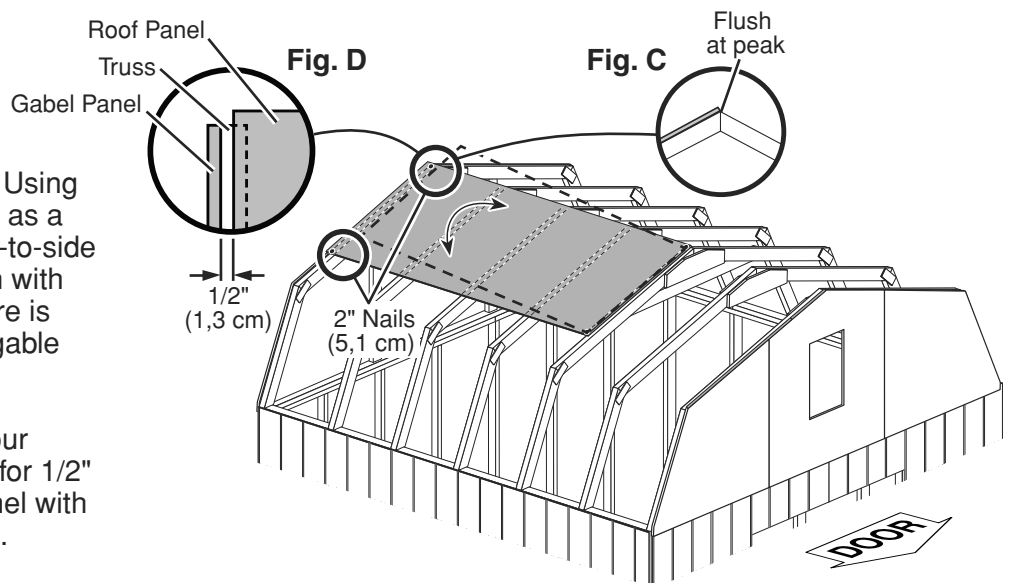
- 1 Attach panel to rafter as shown with rough side up (primed grid-line side) 3/4" (1,9 cm) from edge (**Fig. A**) and panel flush at peak (**Fig. B**).

Secure with two 2" nails at the corners.



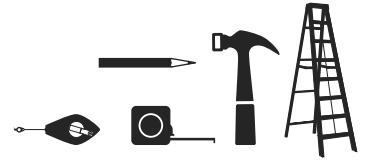
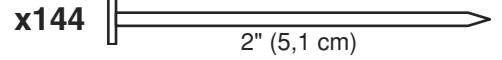
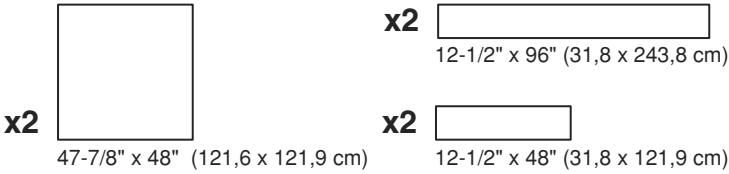
- 2 Move to the opposite end. Using the long edge of the panel as a lever, move the panel side-to-side until the top corner is flush with the peak (**Fig. C**), and there is 1/2" measurement to the gable panel (**Fig. D**).

Note: You may need to adjust your back wall gable assembly for 1/2" measurement. Secure panel with two 2" Nails in the corners.



12' X 12' ROOF PANELS

PARTS REQUIRED:



CLASSIC ESTATE
12 x 12'

- 3 Keep spacing between the center of each rafter at the lower edge of the panel and secure with one 2" nail into each rafter (**Fig. E**).

Move to the top of the panel and keep spacing between the center of the rafters. Secure with one 2" nail into each rafter (**Fig. E**).

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

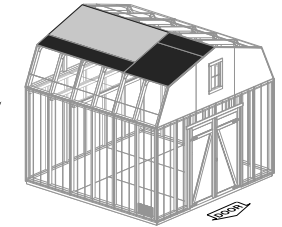
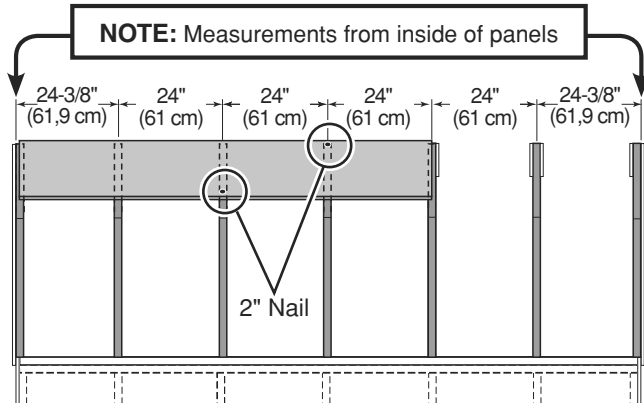
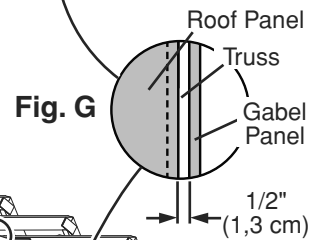
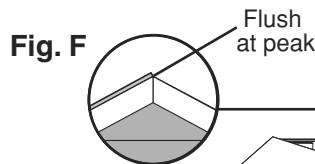
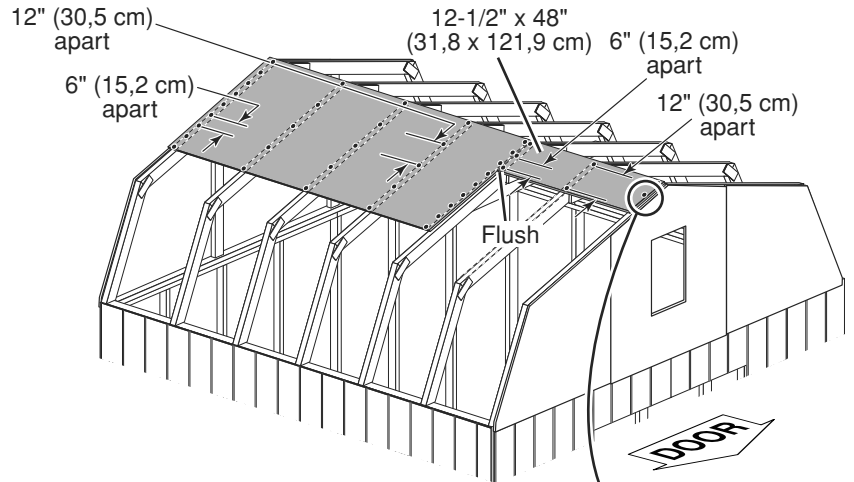


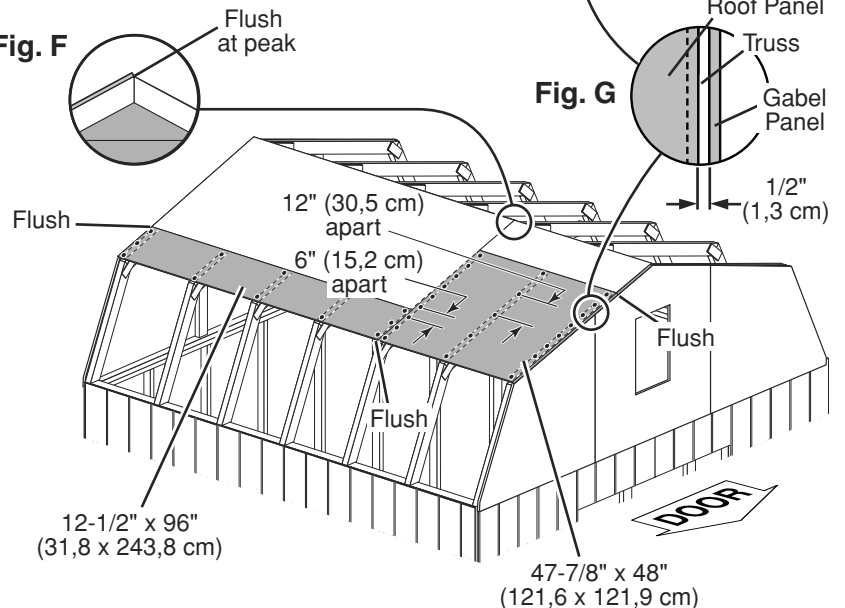
Fig. E

- 4 Attach the 12-1/2 x 48" roof panel flush to first panel, flush at peak and with the 1/2" measurement (**Fig. F, G**).



- 5 Attach the 12-1/2" x 96" and 47-7/8" x 48" roof panels flush to the upper panels as shown, with the 1/2" measurement at the gable panel (**Fig. G**). Stagger seams.

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



12' X 12' ROOF PANELS

PARTS REQUIRED:

x2



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

x2



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

x2



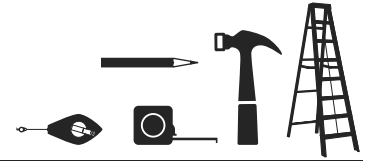
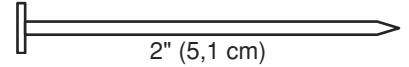
11-7/8" x 96" (30,2 x 243,8 cm)

x2



11-7/8" x 48" (30,2 x 121,9 cm)

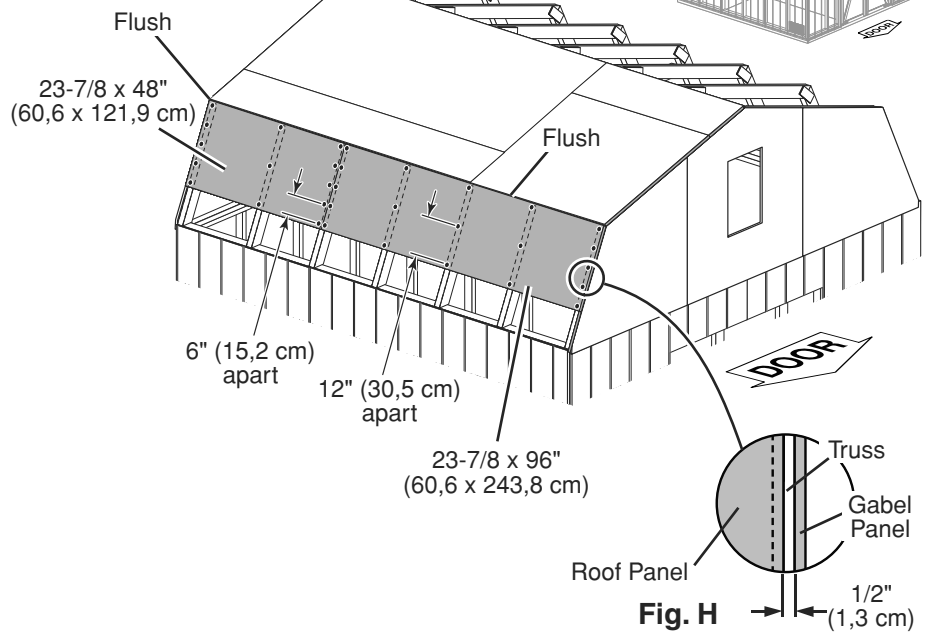
x104



6

Attach the 23-7/8 x 96" and 23-7/8 x 48" roof panels flush to the upper panels as shown, and with the 1/2" measurement (**Fig. H**). Stagger seams.

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

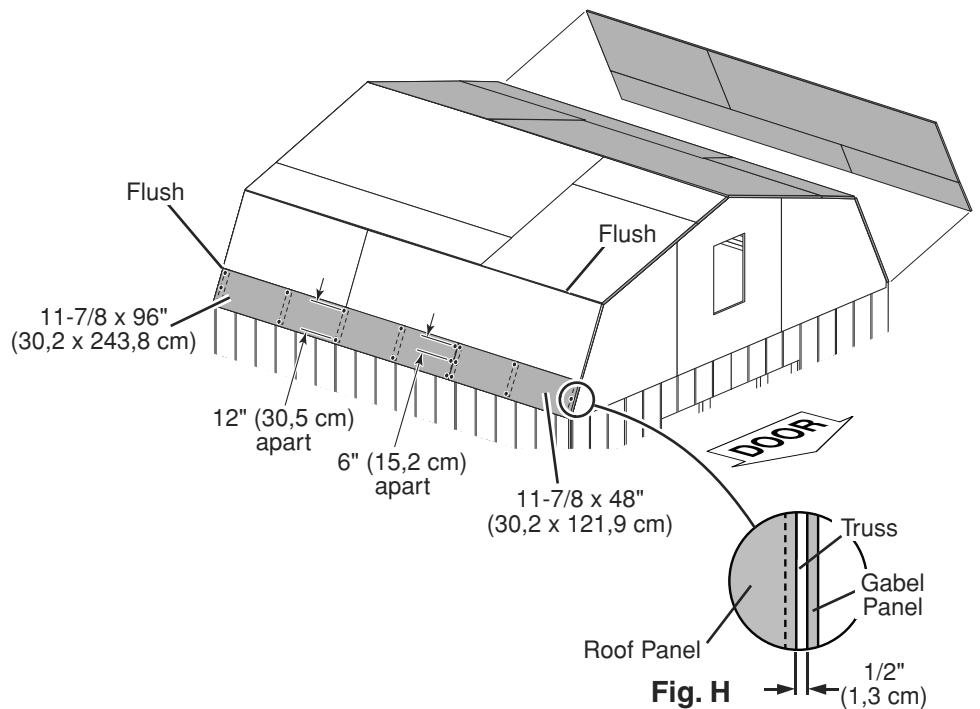


CLASSIC ESTATE
12 x 12'

7

Attach the 11-7/8 x 96" and 11-7/8 x 48" roof panels flush to panels as shown, with the 1/2" measurement at the gable panel (**Fig. H**).

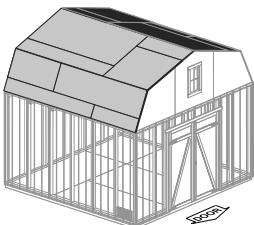
Nail the roof panel using 2" nails 6" apart on edges and 12" apart inside panel.



FINISH

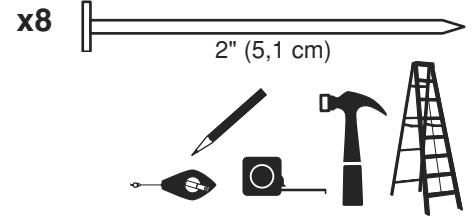
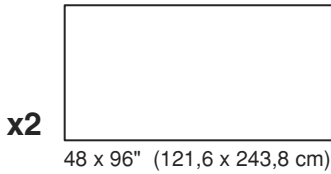
8

Repeat process to attach roof panels on the opposite side. Proceed to page 65.



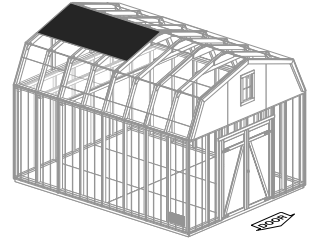
12' X 16' ROOF PANELS

PARTS REQUIRED:



• FOR 12' x 20', SKIP TO PAGE 59

• FOR 12' x 24', SKIP TO PAGE 62



Roof panels may cause serious injury until securely fastened.



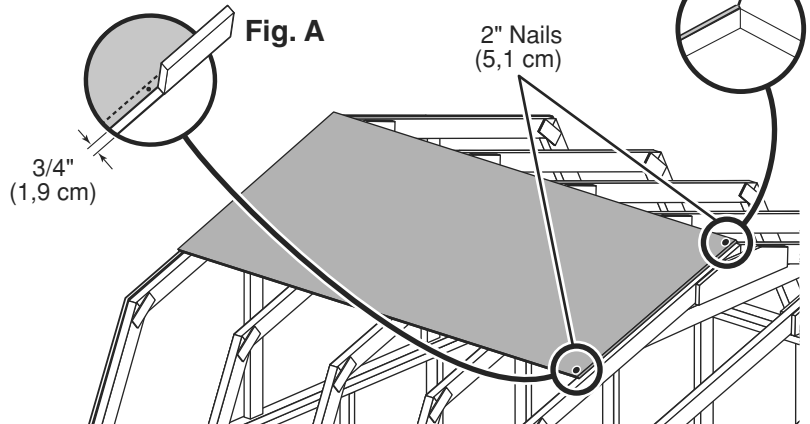
You must square the roof by attaching one panel first. You must use the panel's long edge as a lever to bring your roof into square. Commonly known as "racking".

✓ BEGIN

1

Attach panel to rafter as shown with rough side up (primed grid-line side) 3/4" (1,9 cm) from edge (**Fig. A**) and panel flush at peak (**Fig. B**).

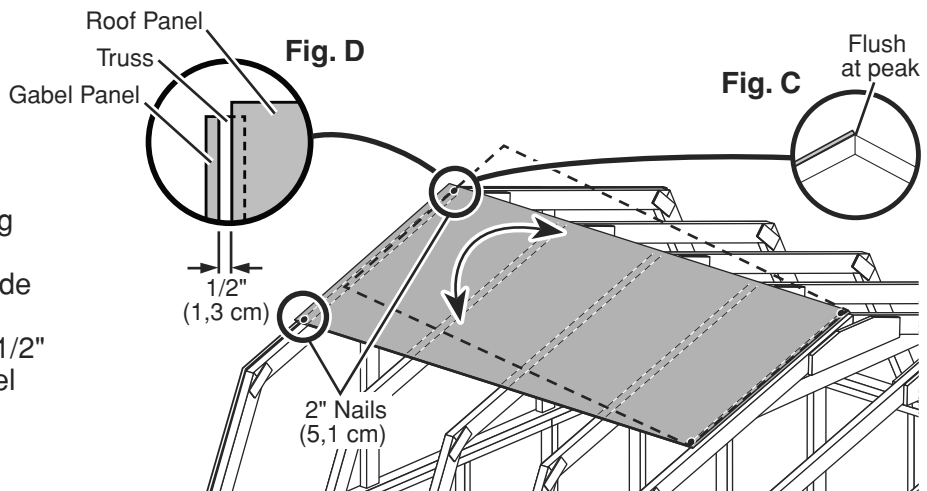
Secure with two 2" nails at the corners.



2

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

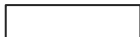
You may need to adjust your back wall gable assembly for 1/2" measurement. Secure panel with two 2" Nails in the corners.





CLASSIC ESTATE
12 x 16'

12' X 16' ROOF PANELS

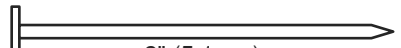
PARTS REQUIRED:

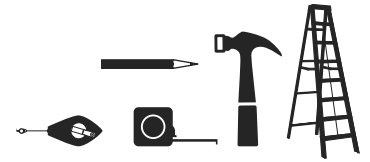
x4 
12-1/2 x 48" (31,8 x 121,9 cm)

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

x2 
12-1/2 x 96" (31,8 x 243,8 cm)


3/4"
GAUGE BLOCK

x206 
2" (5,1 cm)



- 3 Keep spacing between the center of each rafter at the lower edge of the panel and secure with one 2" nail into each rafter (**Fig. E**).

Move to the top of the panel and keep spacing between the center of the rafters. Secure with one 2" nail into each rafter (**Fig. E**).

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

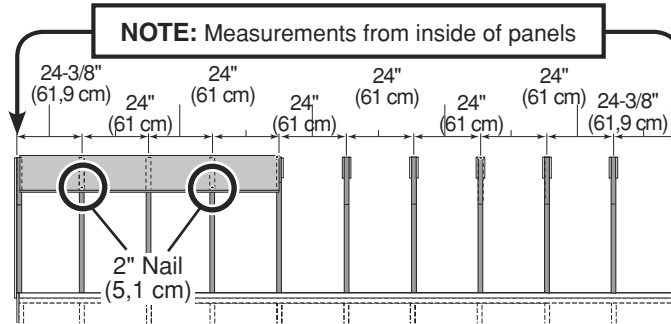
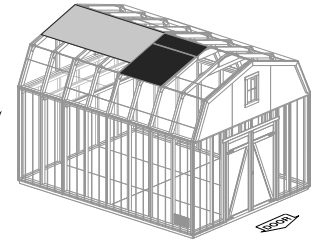


Fig. E



- 4 Attach the 12-1/2 x 48" roof panel flush to first panel, flush at peak. Attach the 47-7/8 x 48" roof panel flush to both panels and with the 3/4" measurement (**Fig. F**).

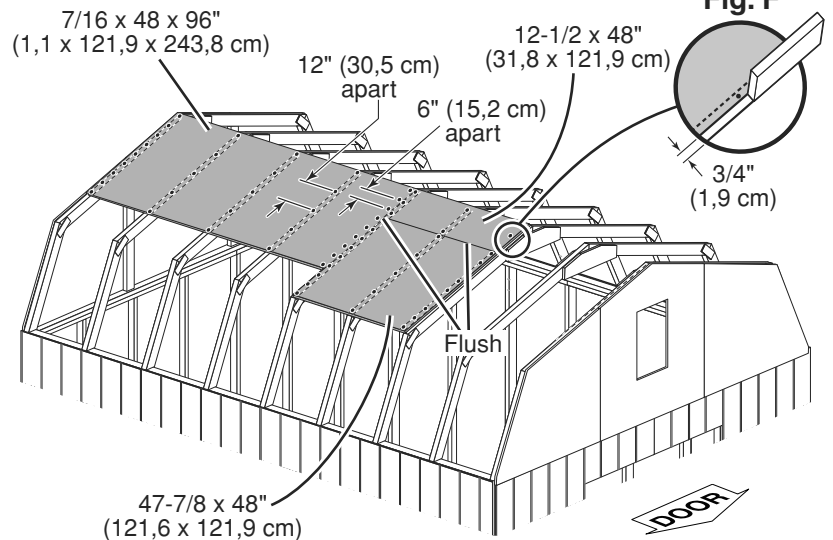


Fig. F

- 5 Attach the 12-1/2 x 96", 47-7/8 x 48", and 12-1/2 x 48" roof panels flush to the panels as shown, with the 1/2" measurement at the gable panel (**Fig. G**). Stagger seams.

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

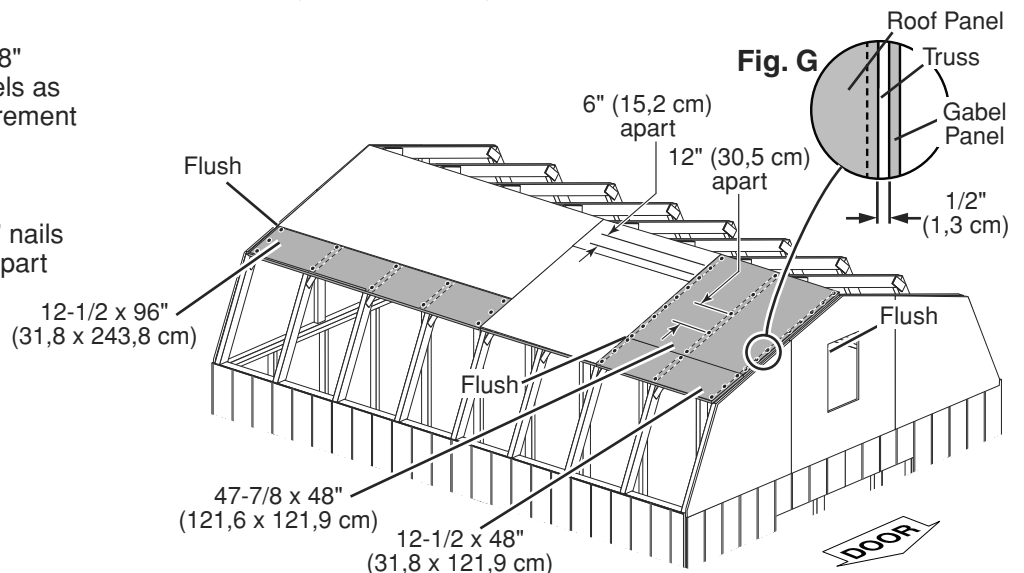
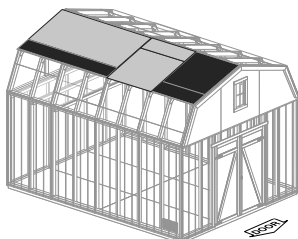






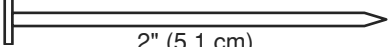
Fig. G

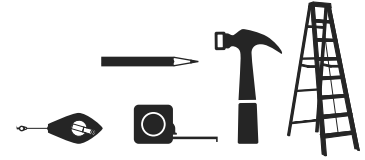
CLASSIC ESTATE
12 x 16'

12' X 16' ROOF PANELS

PARTS REQUIRED:

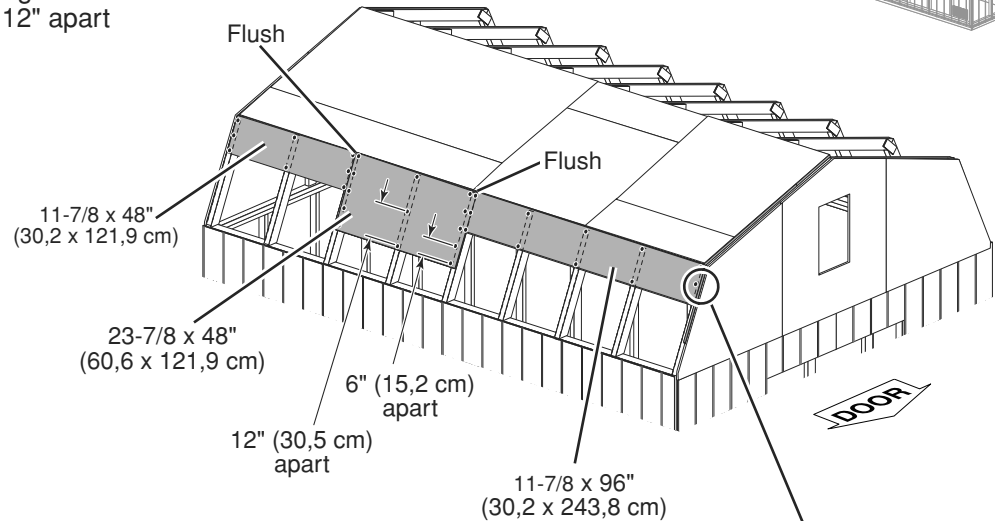
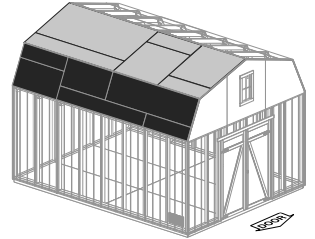
x2		x4	
	11-7/8 x 96" (30,2 x 243,8 cm)		11-7/8 x 48" (30,2 x 121,9 cm)
x2		x4	
	23-7/8 x 96" (60,6 x 243,8 cm)		23-7/8 x 48" (60,6 x 121,9 cm)

x104  2" (5,1 cm)



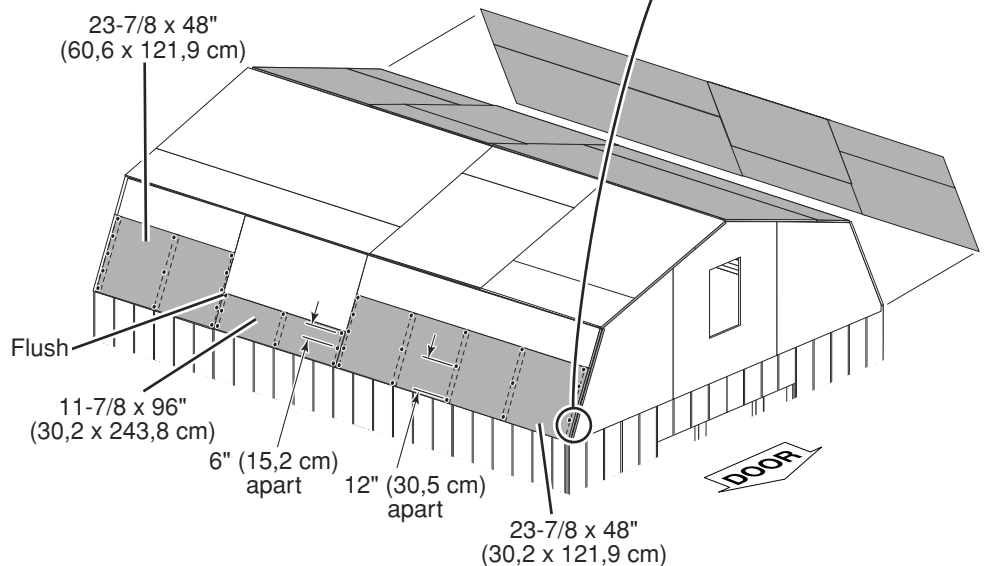
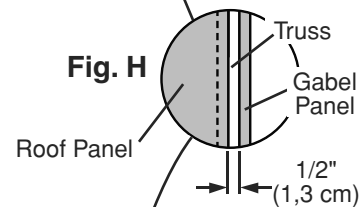
- 6** Attach the 11-7/8 x 48", 23-7/8 x 48", and 11-7/8 x 96" roof panels flush to the upper panels as shown, and with the 1/2" measurement (Fig. H). Stagger seams.

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

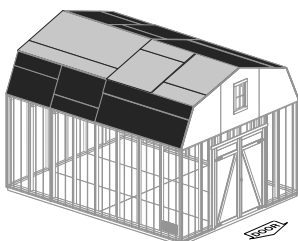


- 7** Attach the 23-7/8 x 48", 23-7/8 x 96", and 11-7/8 x 48" roof panels flush to panels as shown, with the 1/2" measurement at the gable panel (Fig. H).

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

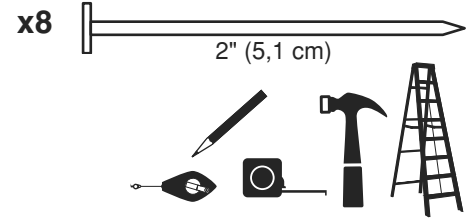
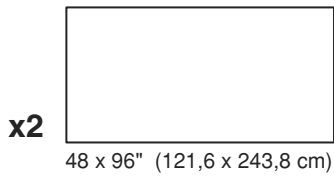


- 8** Repeat process to attach roof panels on the opposite side. Proceed to page 65.



12' X 20' ROOF PANELS

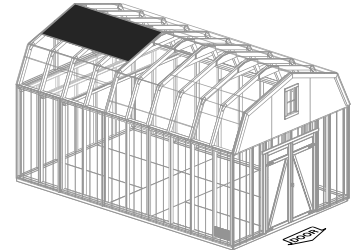
PARTS REQUIRED:



• FOR 12' x 24', SKIP TO PAGE 62.



Roof panels may cause serious injury until securely fastened.

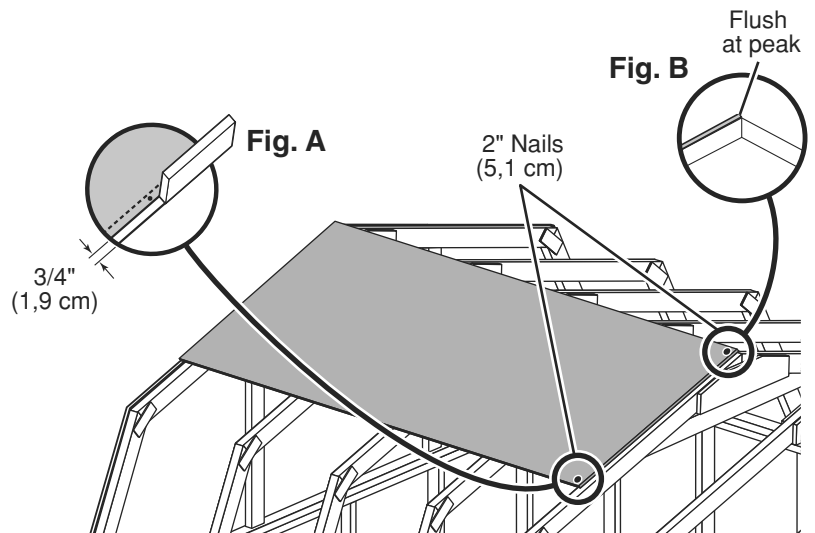


You must square the roof by attaching one panel first. You must use the panel's long edge as a lever to bring your roof into square. Commonly known as "racking".

✓ BEGIN

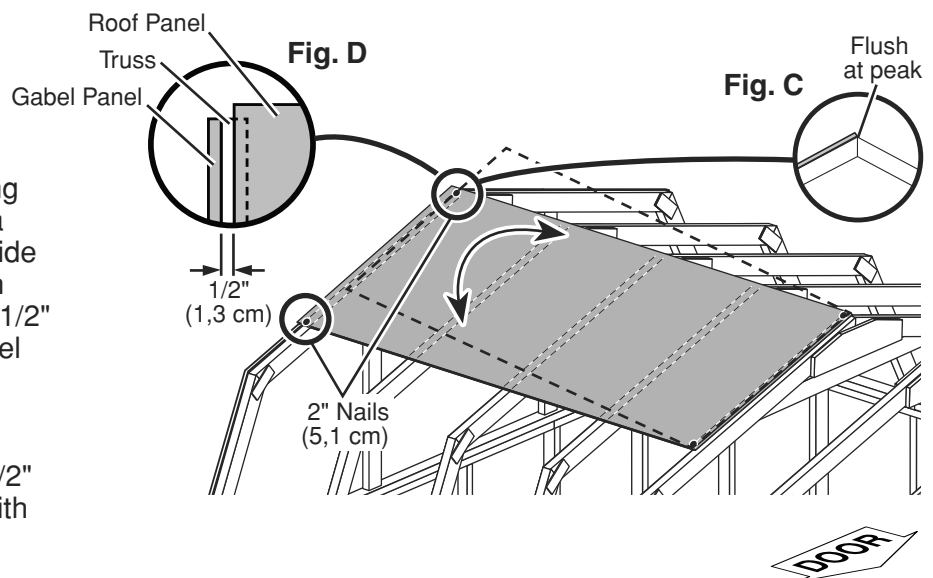
- 1 Attach panel to rafter as shown with rough side up (primed grid-line side) 3/4" (1,9 cm) from edge (**Fig. A**) and panel flush at peak (**Fig. B**).

Secure with two 2" nails at the corners.



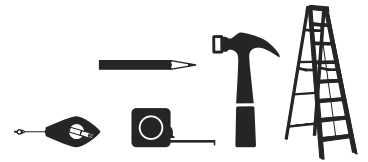
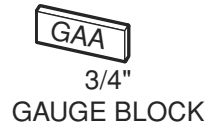
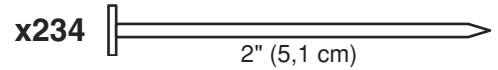
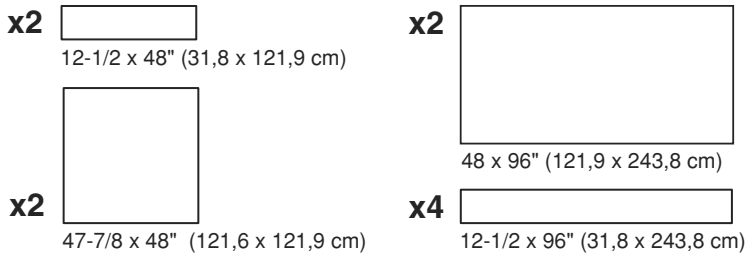
- 2 Move to the opposite end. Using the long edge of the panel as a lever, move the panel side-to-side until the top corner is flush with the peak (**Fig. C**), and there is 1/2" measurement to the gable panel (**Fig. D**).

You may need to adjust your back wall gable assembly for 1/2" measurement. Secure panel with two 2" Nails in the corners.



12' X 20' ROOF PANELS

PARTS REQUIRED:



- 3** Keep spacing between the center of each rafter at the lower edge of the panel and secure with one 2" nail into each rafter (**Fig. E**).

Move to the top of the panel and keep spacing between the center of the rafters. Secure with one 2" nail into each rafter (**Fig. E**).

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

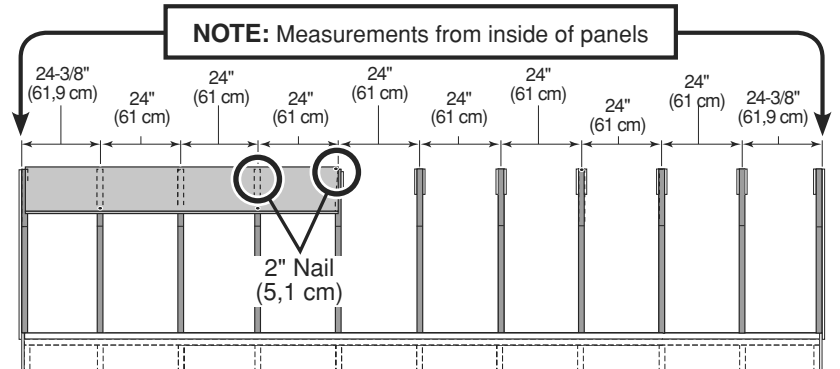


Fig. E

- 4** Attach the 12-1/2 x 48" roof panel flush to first panel, flush at peak. Attach the 47-7/8 x 48" roof panel flush to both panels and with the 3/4" measurement (**Fig. F**).

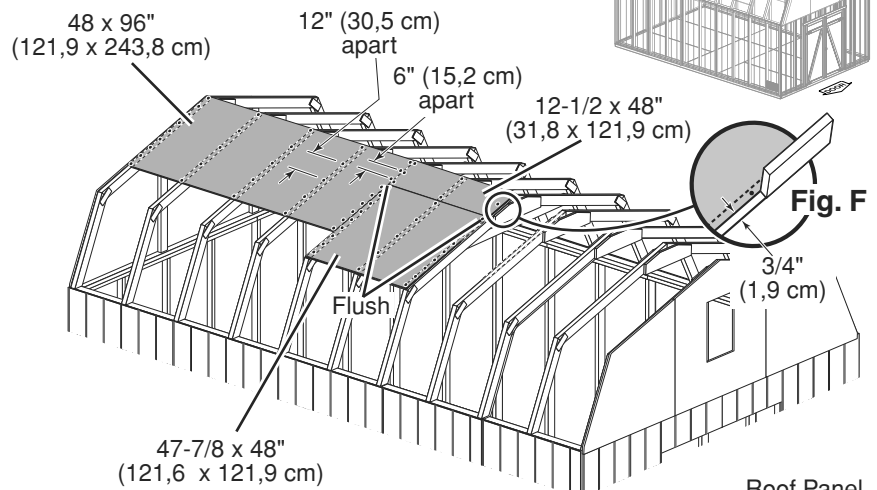


Fig. F

- 5** Attach two 12-1/2 x 96" and 48 x 96", roof panels flush to the panels as shown, with the 1/2" measurement at the gable panel (**Fig. G**). Stagger seams.

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

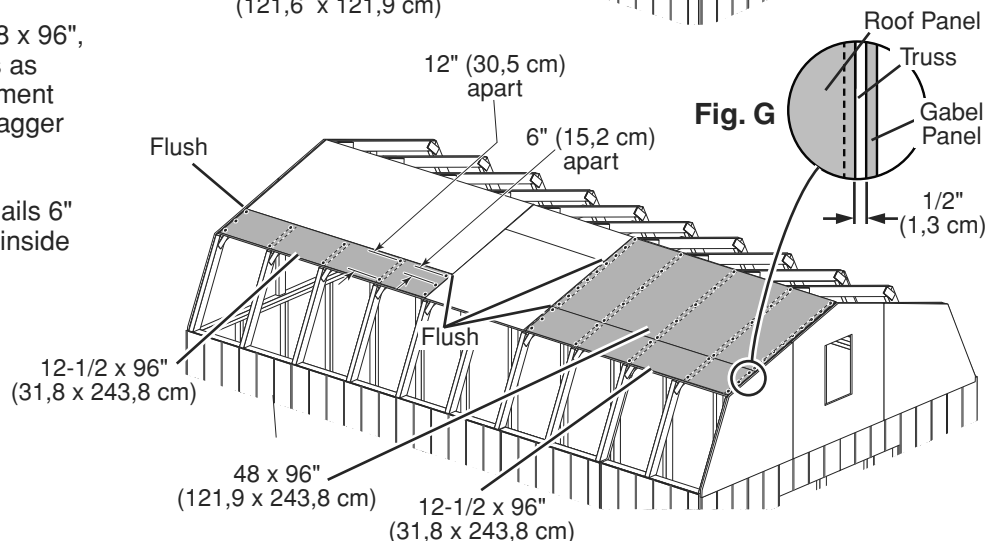
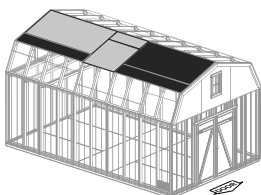




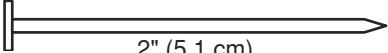


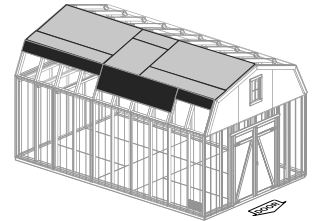
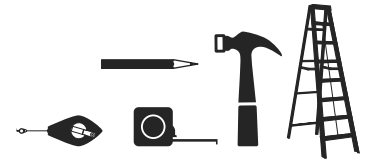
Fig. G

12' X 20' ROOF PANELS

PARTS REQUIRED:

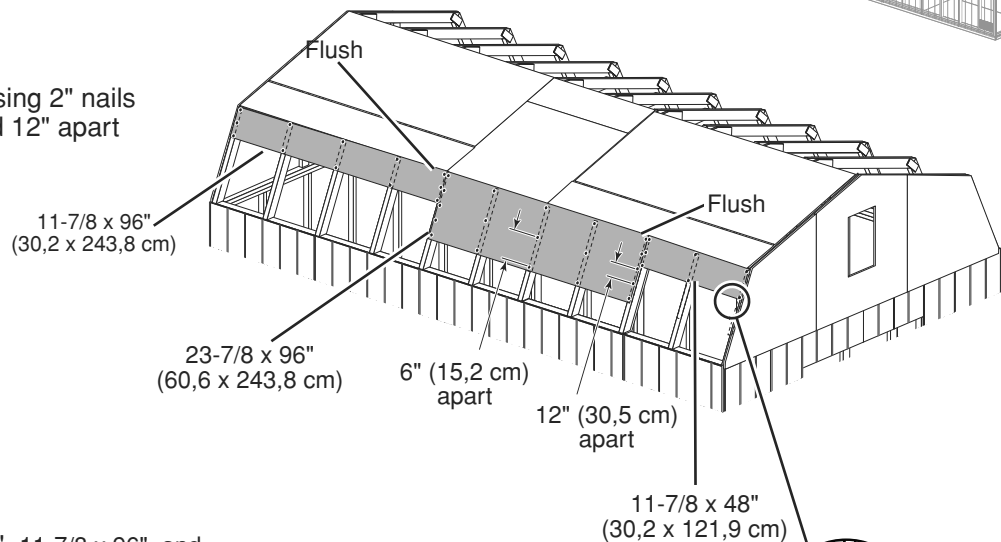
x4		x2	
	23-7/8 x 96" (60,6 x 243,8 cm)		23-7/8 x 48" (60,6 x 121,9 cm)
x4		x2	
	11-7/8 x 96" (30,2 x 243,8 cm)		11-7/8 x 48" (30,2 x 121,9 cm)

x166  2" (5,1 cm)



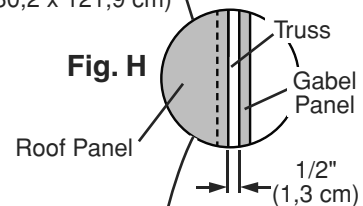
- 6** Attach the 11-7/8 x 96", 23-7/8 x 96", and 11-7/8 x 48" roof panels flush to the upper panels as shown, and with the 1/2" measurement (**Fig. H**). Stagger seams.

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

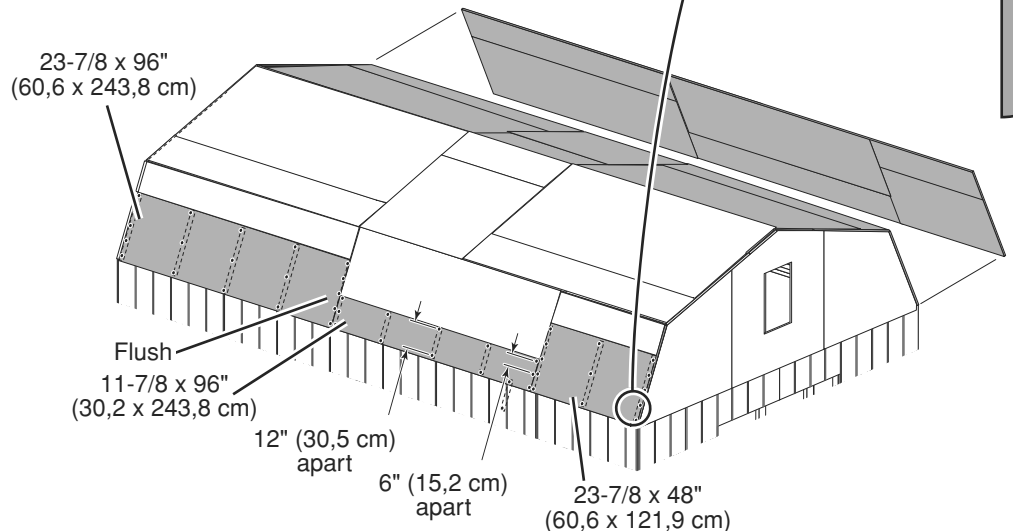
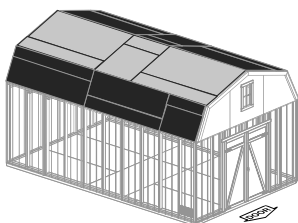


- 7** Attach the 23-7/8 x 96", 11-7/8 x 96", and 23-7/8 x 48" roof panels flush to panels as shown, with the 1/2" measurement at the gable panel (**Fig. H**).

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

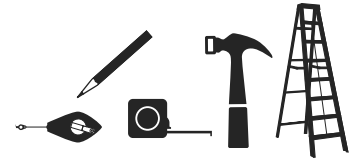
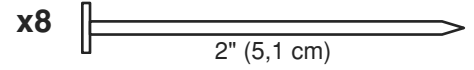
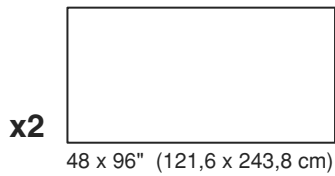


- 8** Repeat process to attach roof panels on the opposite side. **Proceed to page 65.**



12' X 24' ROOF PANELS

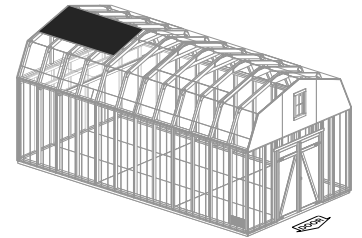
PARTS REQUIRED:



Roof panels may cause serious injury until securely fastened.



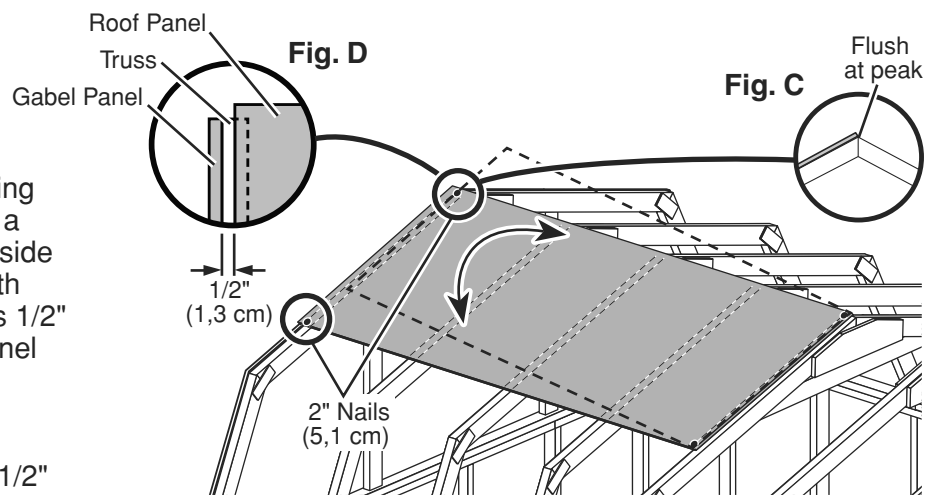
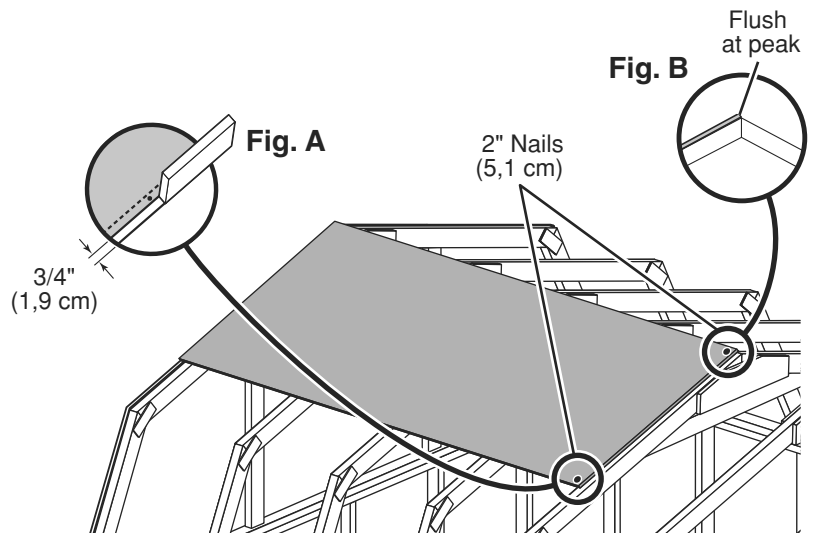
You must square the roof by attaching one panel first. You must use the panel's long edge as a lever to bring your roof into square. Commonly known as "racking".



✓ BEGIN

- 1 Attach panel to rafter as shown with rough side up (primed grid-line side) 3/4" (1,9 cm) from edge (**Fig. A**) and panel flush at peak (**Fig. B**).

Secure with two 2" nails at the corners.



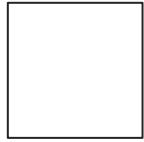
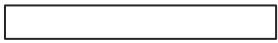



- 2 Move to the opposite end. Using the long edge of the panel as a lever, move the panel side-to-side until the top corner is flush with the peak (**Fig. C**), and there is 1/2" measurement to the gable panel (**Fig. D**).

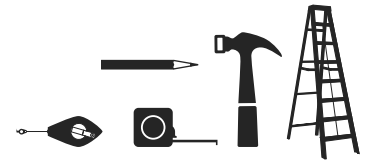
You may need to adjust your back wall gable assembly for 1/2" measurement. Secure panel with two 2" Nails in the corners.

12' X 24' ROOF PANELS

PARTS REQUIRED:

x4		x2	
	12-1/2 x 48" (31,8 x 121,9 cm)		48 x 96" (121,9 x 243,8 cm)
x4		x4	
	47-7/8 x 48" (121,6 x 121,9 cm)		12-1/2 x 96" (31,8 x 243,8 cm)

x296  2" (5,1 cm)



- 3** Keep spacing between the center of each rafter at the lower edge of the panel and secure with one 2" nail into each rafter (**Fig. E**).

Move to the top of the panel and keep spacing between the center of the rafters. Secure with one 2" nail into each rafter (**Fig. E**).

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

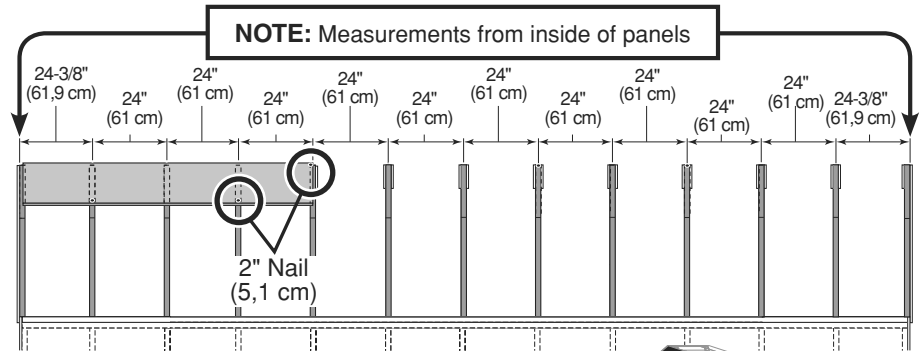


Fig. E

- 4** Attach a 12-1/2 x 48" roof panel flush to first panel, flush at peak. Attach a 47-7/8 x 48" roof panel flush to both panels. Attach 48 x 96" and 12-1/2 x 48" roof panel flush to these panels and flush at peak as shown, with 1/2" measurement at the gable panel (**Fig. F**).

- 5** Attach two 12-1/2 x 96" roof panels and 47-7/8 x 48" roof panel flush to the upper panels as shown, with the 1/2" measurement at the gable panel (**Fig. F**). Stagger seams.

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

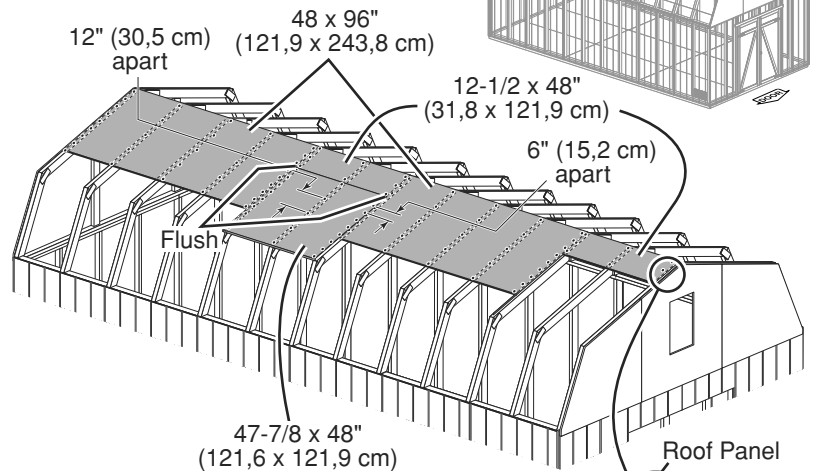
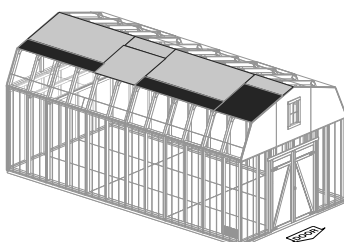
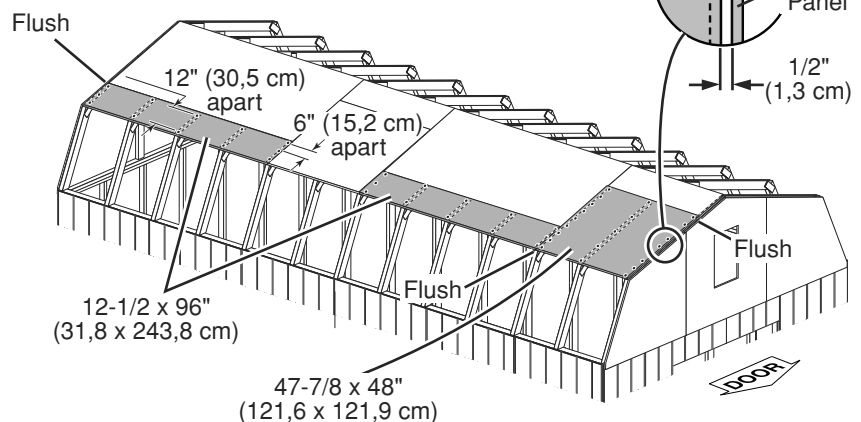




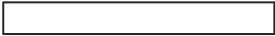
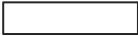
Fig. F




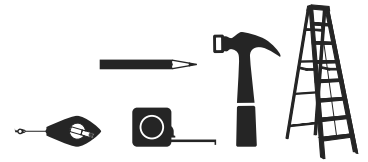
CLASSIC ESTATE
12 x 24'

12' X 24' ROOF PANELS

PARTS REQUIRED:

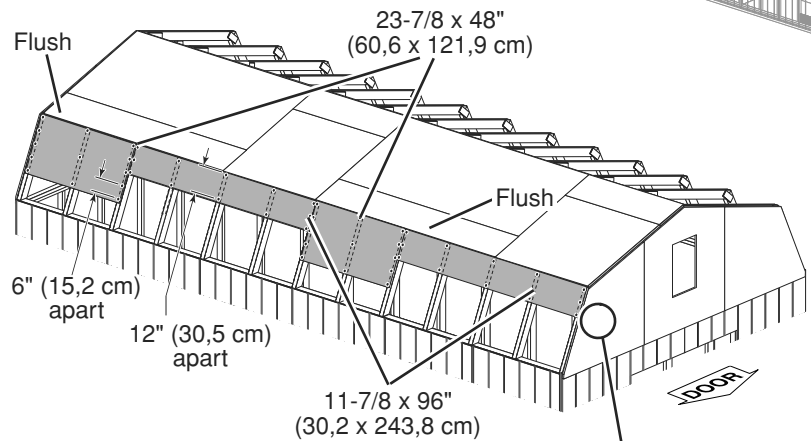
	
x4 23-7/8 x 96" (60,6 x 243,8 cm)	x4 23-7/8 x 48" (60,6 x 121,9 cm)
	
x4 11-7/8 x 96" (30,2 x 243,8 cm)	x4 11-7/8 x 48" (30,2 x 121,9 cm)

x104  2" (5,1 cm)



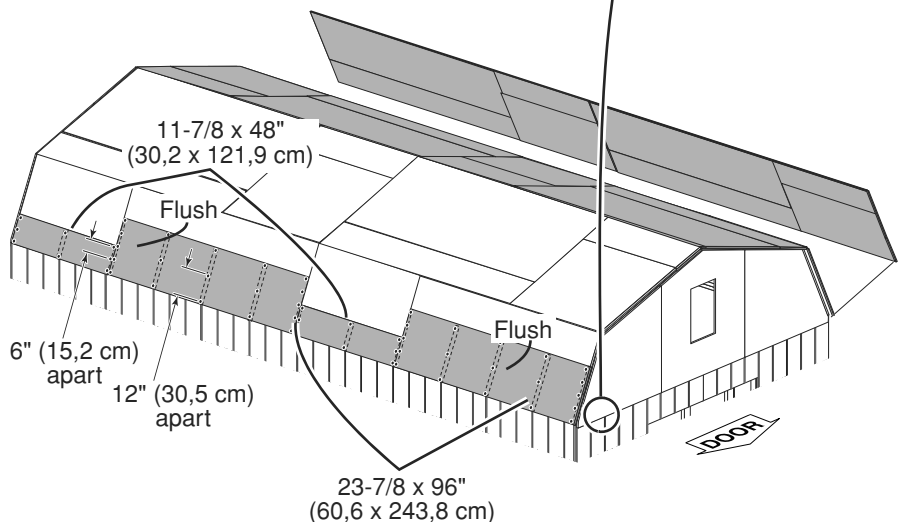
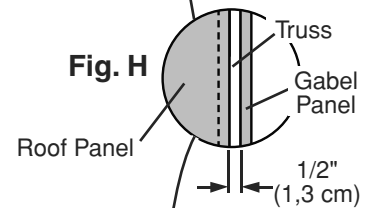
- 6** Attach two 23-7/8 x 48" and two 11-7/8 x 96" roof panels flush to the upper panels as shown, and with the 1/2" measurement (**Fig. H**). Stagger seams.

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

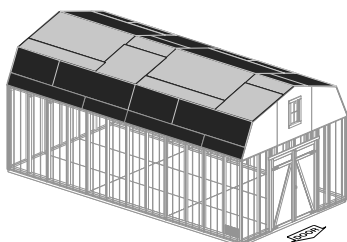


- 7** Attach two 23-7/8 x 96", and two 11-7/8 x 48" roof panels flush to panels as shown, with the 1/2" measurement at the gable panel (**Fig. H**).

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





- FINISH**
8 Repeat process to attach roof panels on the opposite side.




CORNER TRIM

PARTS REQUIRED:

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

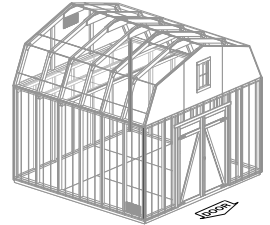
x4 
1-3/4 x 83-1/2 x 3/8" (4,4 x 212,1 x 1 cm)

x64 
2" (5,1 cm)



✓ BEGIN

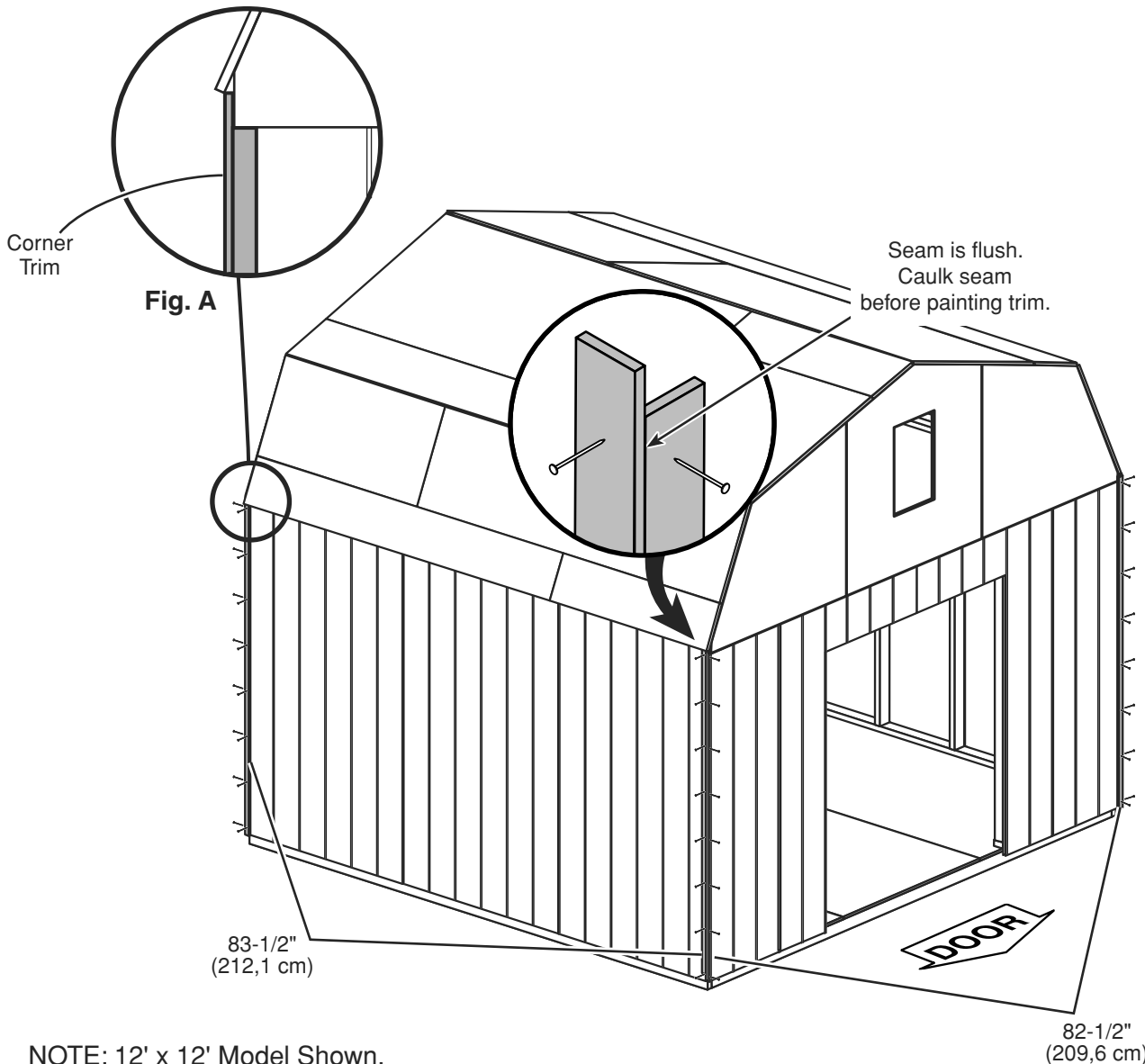
- 1 Secure 83-1/2" (212,1 cm) corner trim under roof panel. Attach with 2" nails as shown in **(Fig. A)**.
- 2 Secure 82-1/2" (209,6 cm) corner trim flush under gable panel. Attach with 2" nails as shown.
- 3 Repeat on other side.



CLASSIC ESTATE
12' x 12'

FINISH

- 4 Proceed to installing your collar ties.



CLASSIC ESTATE
12' x 16'

CLASSIC ESTATE
12' x 20'

CLASSIC ESTATE
12' x 24'

NOTE: 12' x 12' Model Shown.

12' x 12' COLLAR TIE

12x12' 12x16' 12x20' 12x24' PARTS REQUIRED:

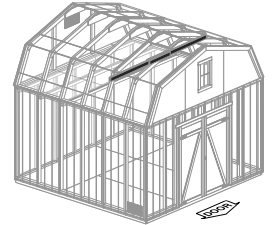
x2	x4	x6	x8	SX 2 x 4 x 60" (5,1 x 10,2 x 152,4 cm)
x2	x4	x6	x8	7/16 x 3-1/2 x 24" (1,1 x 8,9 x 61 cm) COLLAR TIE GUSSET
x20	x40	x60	x80	2" (5,1 cm)



CLASSIC ESTATE
12 x 12'



- FOR 12' x 12', BUILD 1 COLLAR TIE ASSEMBLY
- FOR 12' x 16', BUILD 2 COLLAR TIE ASSEMBLIES
- FOR 12' x 20', BUILD 3 COLLAR TIE ASSEMBLIES
- FOR 12' x 24', BUILD 4 COLLAR TIE ASSEMBLIES

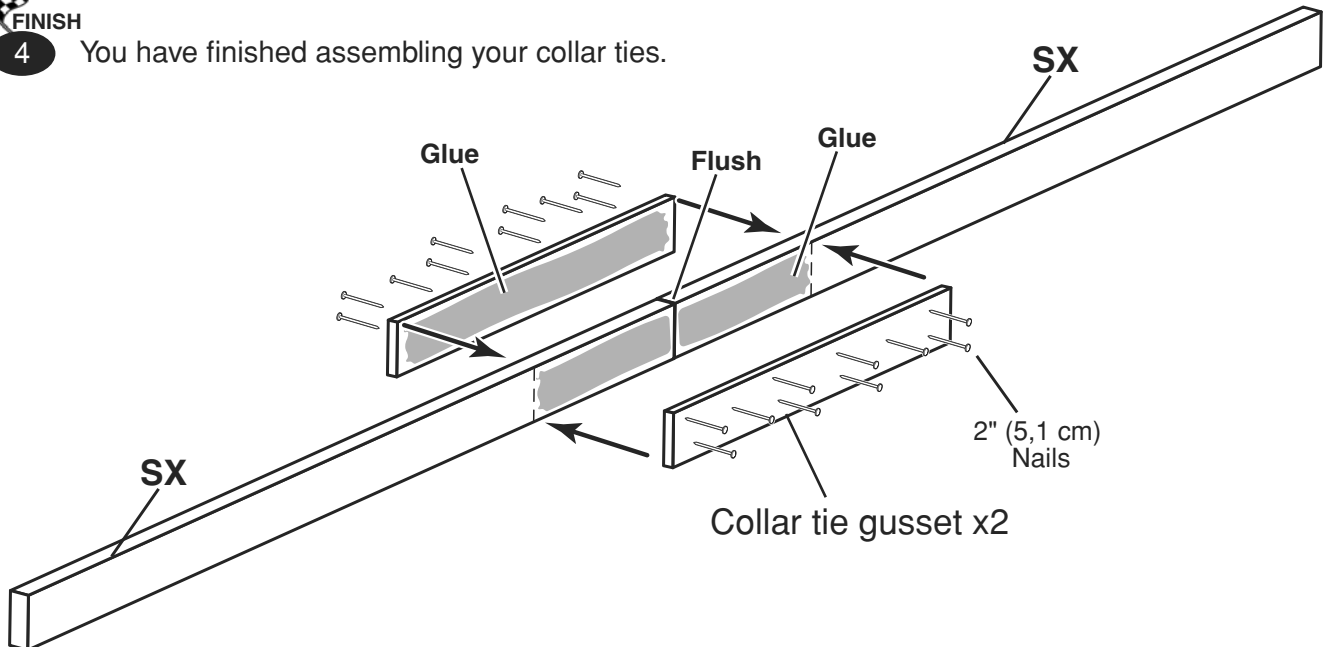


✓ BEGIN

- 1 Measure and mark center of Collar tie gussets.
Use exterior grade glue and 2" nails as shown to connect two **SX** end to end.
- 2 Turn over collar tie assembly and repeat steps for both sides.
- 3 Turn over collar tie assembly and repeat steps for both sides.

FINISH

- 4 You have finished assembling your collar ties.



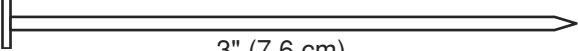
CLASSIC ESTATE
12 x 20'

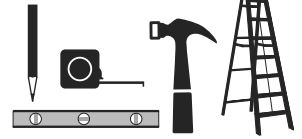
CLASSIC ESTATE
12 x 24'

12' x 12' COLLAR TIES

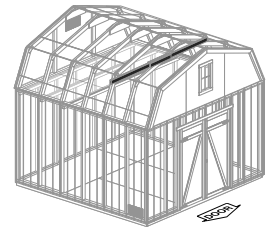
PARTS REQUIRED:

x1 
Pre-assembled

x6  3" (7,6 cm)



- FOR 12' x 20', SKIP TO PAGE 68
- FOR 12' x 20', SKIP TO PAGE 69
- FOR 12' x 24', SKIP TO PAGE 70



CLASSIC ESTATE
12 x 12'

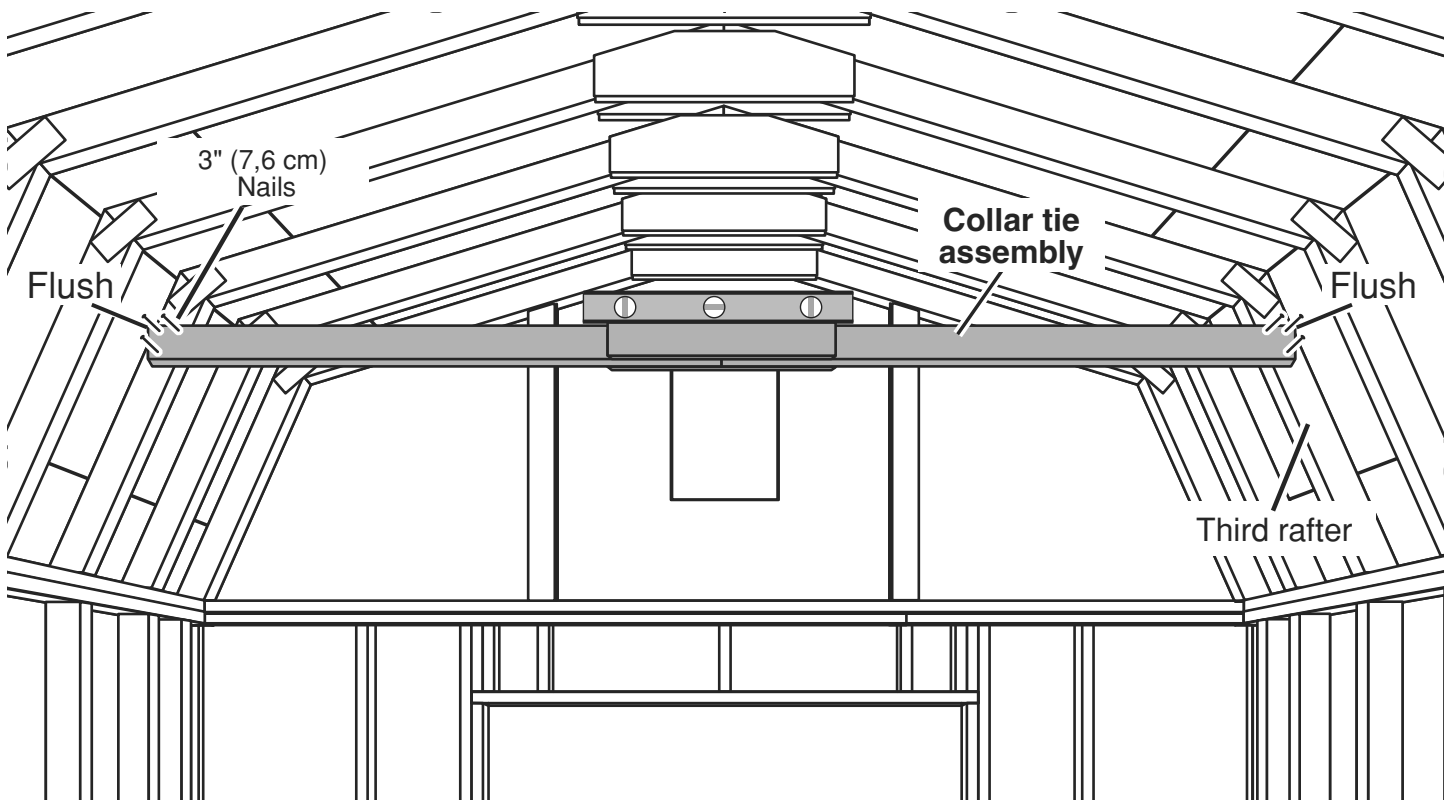
✓ BEGIN

- 1 Locate collar tie **assembly** on back of 3rd rafter from the door as shown. Check assembly is level and flush to roof panel.
- 2 Nail assembly to rafter with three 3" nails at each end.
- 3 Repeat steps 1-2 to attach collar tie to every other rafter.



FINISH

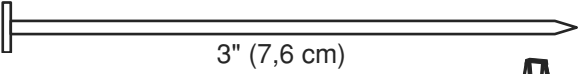
- 4 You have finished installing your collar ties. **Proceed to page 71.**



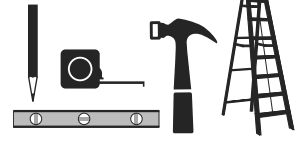
HINT: For best appearance, install collar tie on back side of rafter.

12' x 16' COLLAR TIES

PARTS REQUIRED:

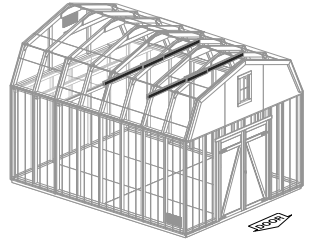
x12  3" (7,6 cm)

x2 
Pre-assembled



• FOR 12' x 20', SKIP TO PAGE 69

• FOR 12' x 24', SKIP TO PAGE 70



✓ BEGIN

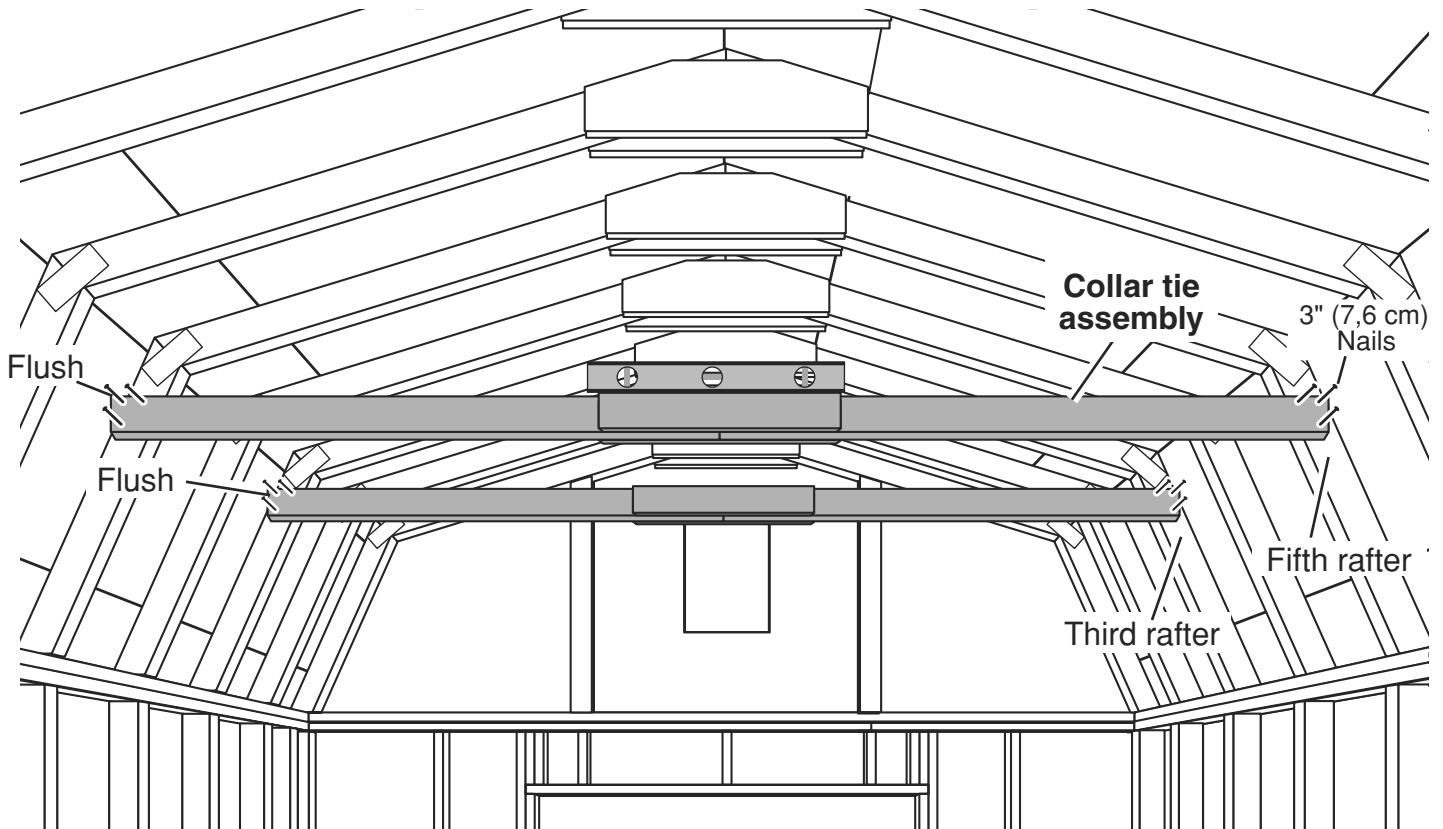
- 1 Locate collar tie assembly on back of third rafter from the door as shown. Check assembly is level and flush to roof panel.
- 2 Nail assembly to rafter with three 3" nails at each end.
- 3 Repeat steps 1-2 to attach assembly to fifth rafter.



FINISH

- 4 You have finished installing your collar ties. **Proceed to page 71.**

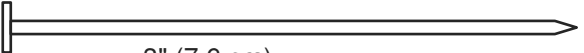
CLASSIC ESTATE
12 x 16'



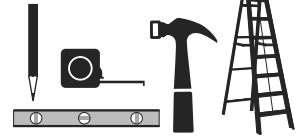
HINT: For best appearance, install collar tie on back side of rafter.

12' x 20' COLLAR TIES

PARTS REQUIRED:

x18  3" (7,6 cm)

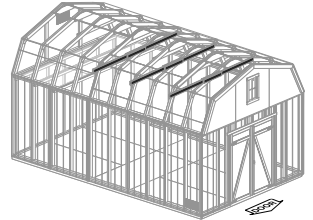
x3 
Pre-assembled



• FOR 12' x 24', SKIP TO PAGE 70

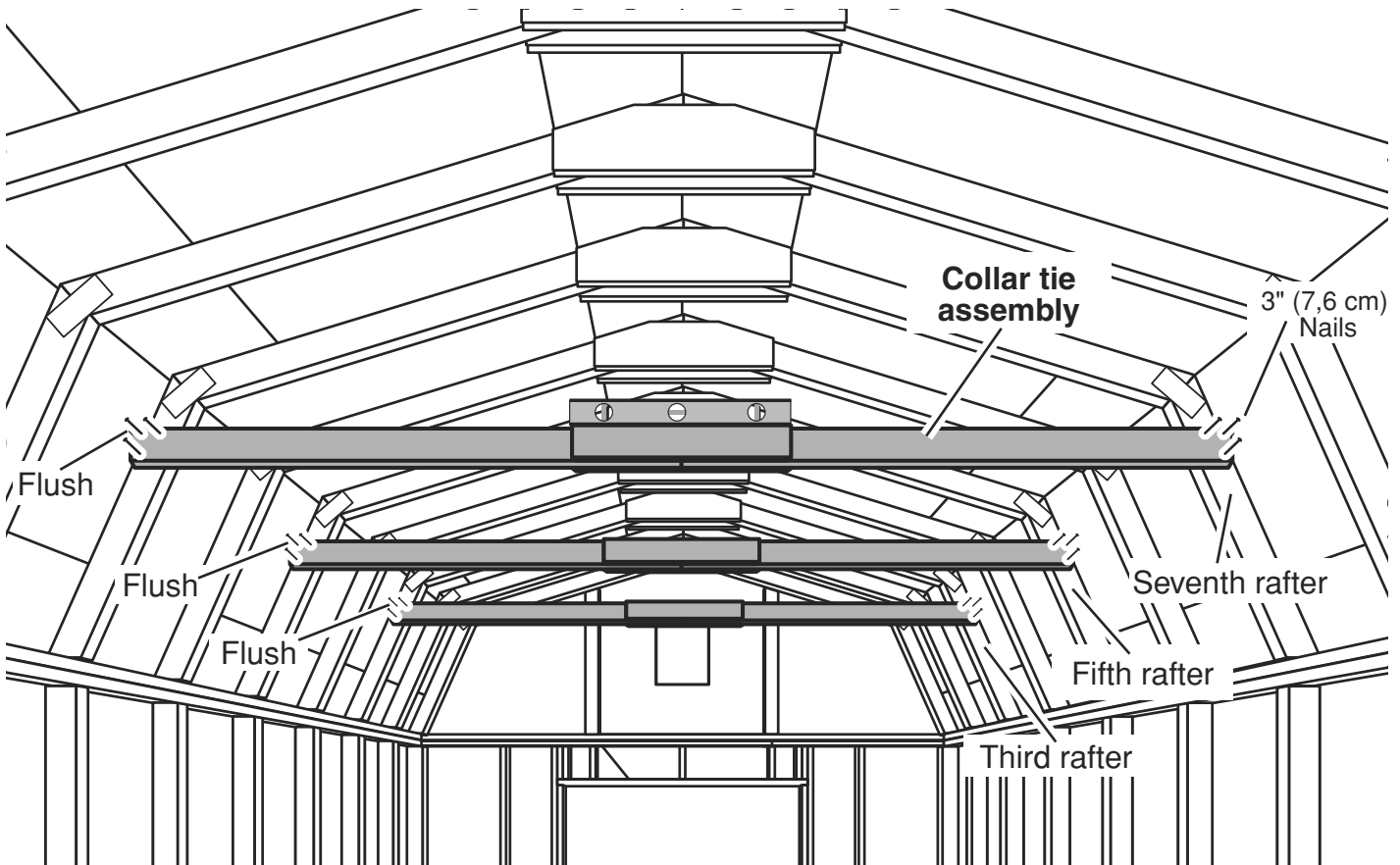
✓ BEGIN

- 1 Locate collar tie assembly on back of third rafter from the door as shown. Check assembly is level and flush to roof panel.
- 2 Nail assembly to rafter with three 3" nails at each end.
- 3 Repeat steps 1-2 to attach assembly to fifth and seventh rafter.



FINISH

- 4 You have finished installing your collar ties. **Proceed to page 71.**



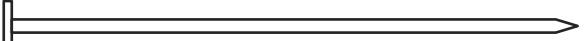
CLASSIC ESTATE
12 x 20'



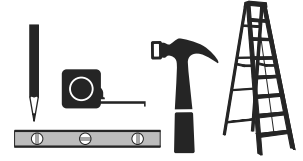
HINT: For best appearance, install collar tie on back side of rafter.

12' x 24' COLLAR TIES

PARTS REQUIRED:

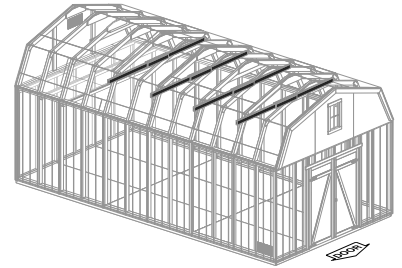
x24  3" (7,6 cm)

x4 
Pre-assembled



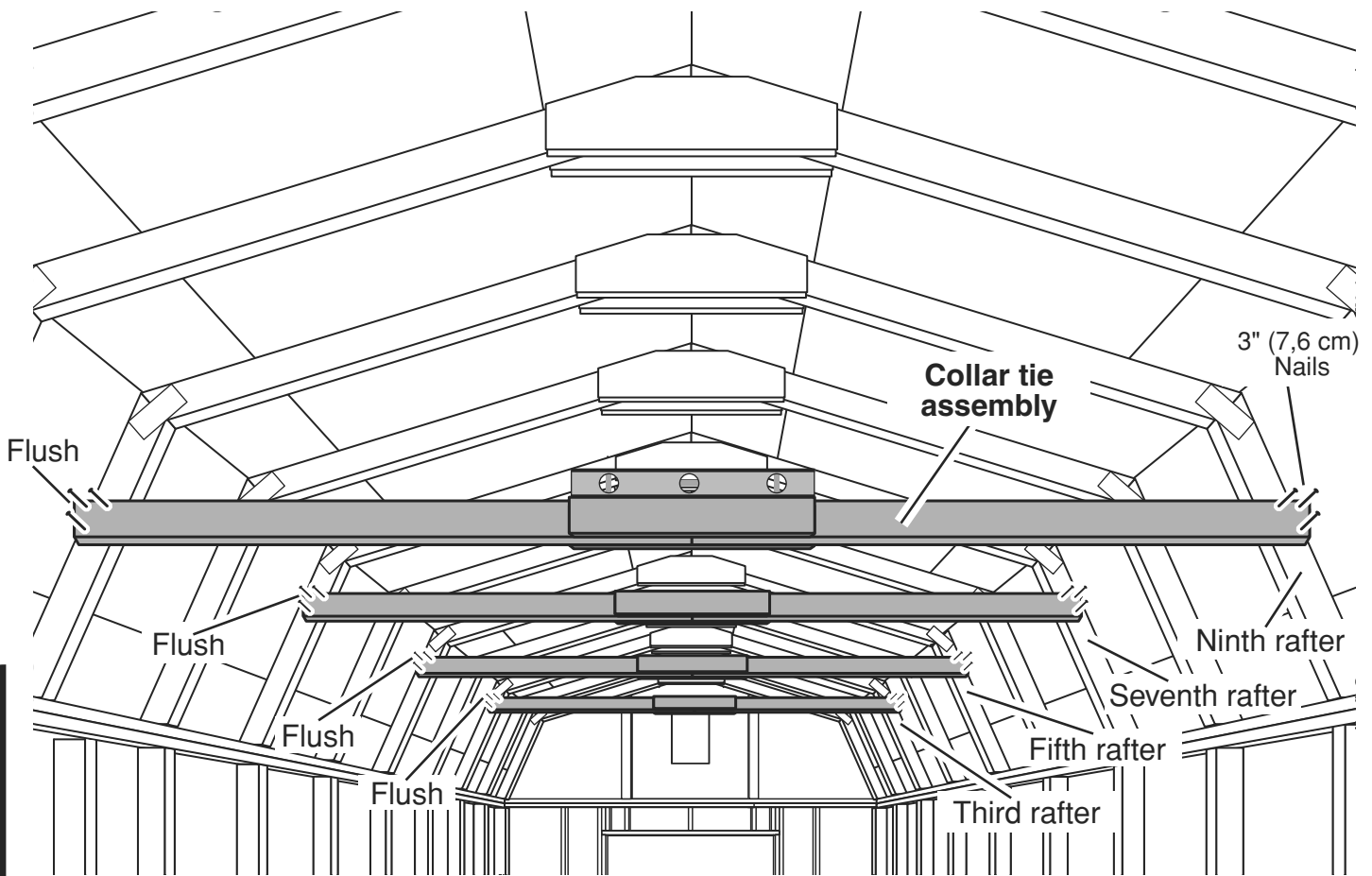
✓ BEGIN

- 1 Locate collar tie assembly on back of third rafter from the door as shown. Check assembly is level and flush to roof panel.
- 2 Nail assembly to rafter with three 3" nails at each end.
- 3 Repeat steps 1-2 to attach assembly to fifth, seventh, and ninth rafter.



FINISH

- 4 You have finished installing your collar ties. **Proceed to page 71.**




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

GABLE TRIM

PARTS REQUIRED:

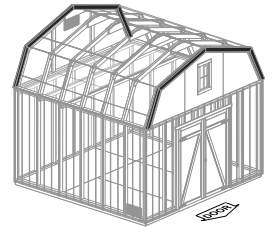
x2 ZJL 19/32 x 4 x 36" (1,5 x 10,2 x 91,4 cm)	x2 ZOL 19/32 x 4 x 60-7/8" (1,5 x 10,2 x 154,6 cm)
x2 ZJR 19/32 x 4 x 36" (1,5 x 10,2 x 91,4 cm)	x2 ZOR 19/32 x 4 x 60-7/8" (1,5 x 10,2 x 154,6 cm)

x80  2" (5,1 cm)



✓ BEGIN

- 1 Install upper left-rear gable trim **ZOL** flush to top of roof panel with end flush to center as shown.
- 2 Install lower left-rear gable trim **ZJL** flush to top of roof panel with end flush to upper gable trim as shown (**Fig. A**).
- 3 Secure to wall using 2" (5,1 cm) finish nails 12" (30,5 cm) apart. Nail through gable trim and panels into rafter.
- 4 Repeat **Steps 1-3** to secure the right gable trim **ZOR** and **ZJR**.
- 6 Repeat **Steps 1-4** to install front gable trim.



CLASSIC ESTATE
12 x 12'

CLASSIC ESTATE
12 x 16'

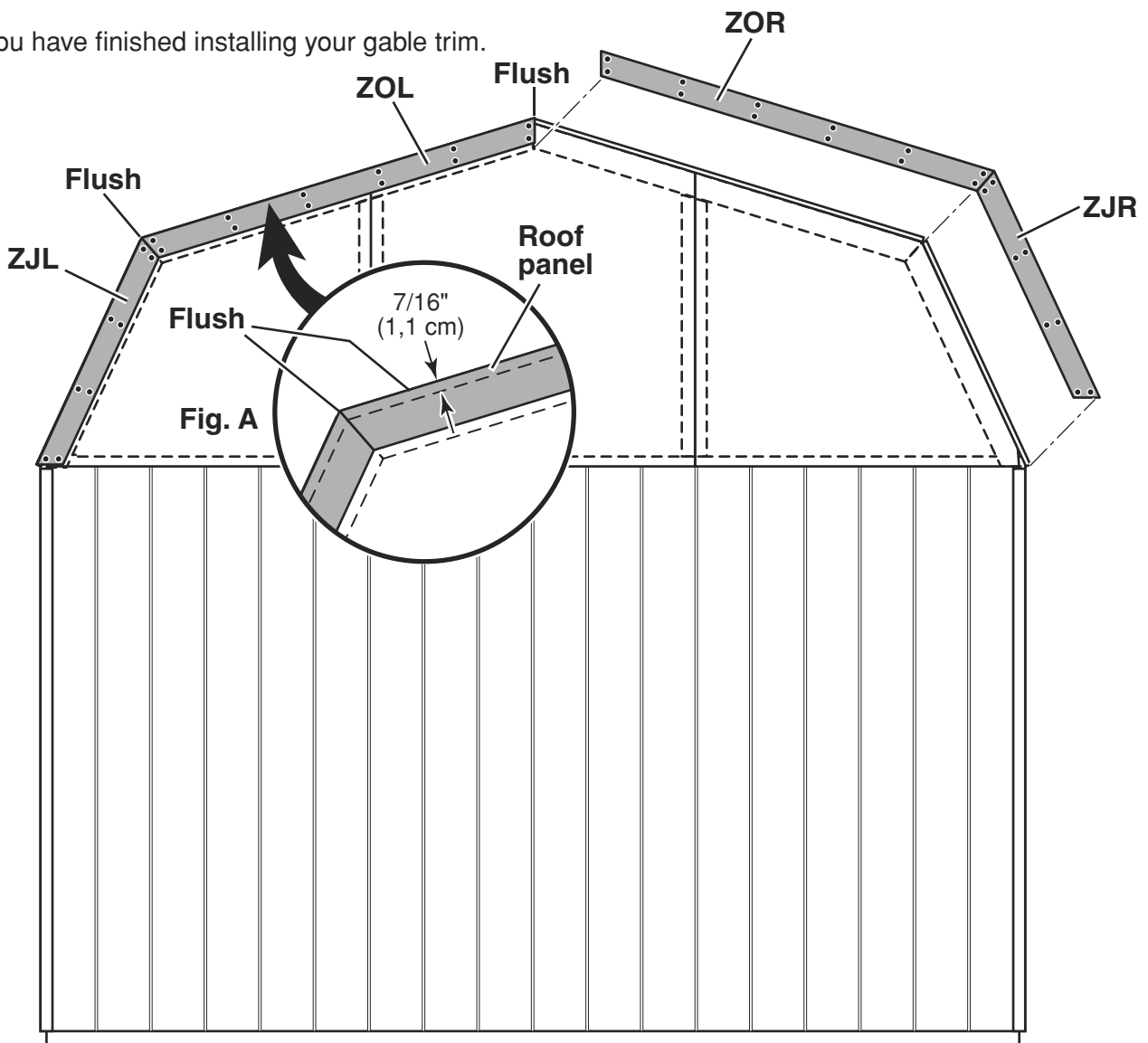
CLASSIC ESTATE
12 x 20'

CLASSIC ESTATE
12 x 24'



FINISH

- 6 You have finished installing your gable trim.



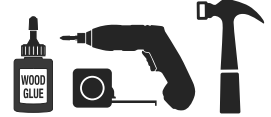
LOFT JOIST ASSEMBLY

PARTS REQUIRED:

x4 TP
2 x 4 x 96" (5,1 x 10,2 x 243,8 cm)

x4 SP
2 x 4 x 48" (5,1 x 10,2 x 121,9 cm)

x28 3" (7,6 cm)



✓ BEGIN

- 1 Ensure parts **TP** and **SP** are aligned perfectly on a flat surface. Spread glue across **SP** and **TP** as shown.
- 2 Assemble joist with 3" (7,6 cm) nails in a staggered pattern.
- 3 Turn assembled joist over and repeat staggered nail pattern.
- 4 Support and drill a 7/16" (1,1 cm) hole through each end of each joist (**Fig A**). Repeat steps 1 - 4 to construct second loft joist.

FINISH

- 5 You have finished installing your collar ties.

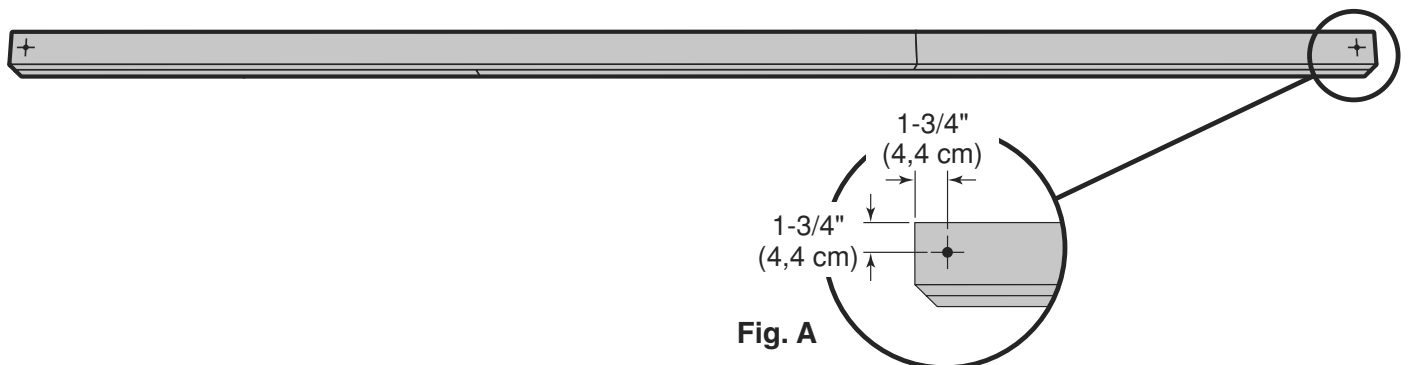
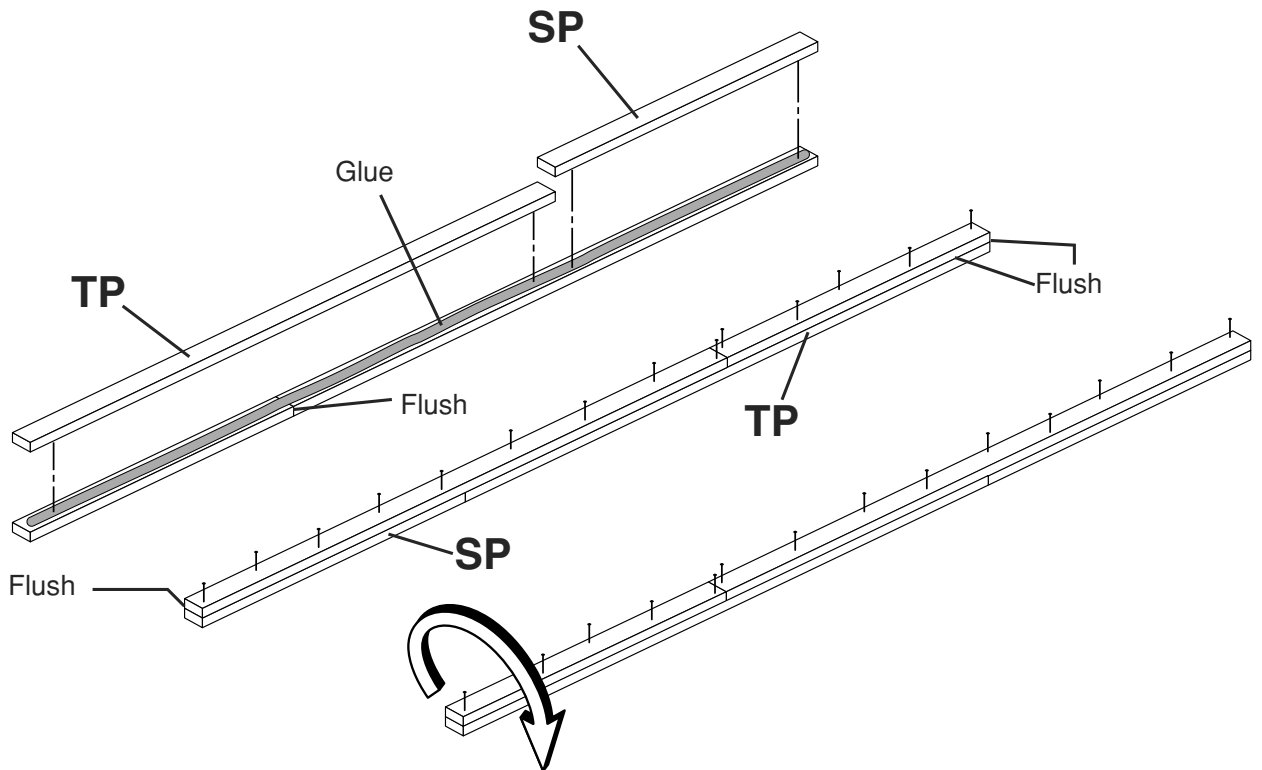
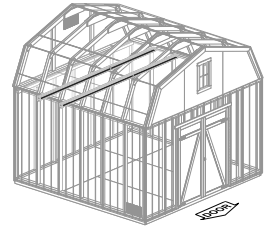


Fig. A

LOFT JOIST INSTALLATION

PARTS REQUIRED:

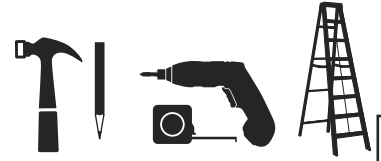
x1 **PT**
2 x 3 x 96" (5,1 x 7,6 x 243,8 cm)

x1 **ZJ**
2 x 3 x 48" (5,1 x 7,6 x 121,9 cm)

x2 **LOFT JOIST ASSEMBLY**

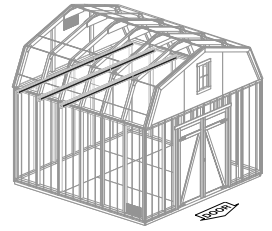
x16 3" (7,6 cm)

x4 5-1/2" (14 cm) Hexbolt, 2 washers and locknut



✓ BEGIN

- 1 Measure, mark and locate **ZJ** and **PT** flush to bottom of top plate and against back wall studs. Secure with 3" (7,6) nails at each backwall stud.
- 2 Measure, mark and locate joist assembly 73" (185,4 cm) from floor and against wall studs 24" (61 cm) from back wall.
- 3 Clamp or hold joist assembly level against wall studs. Drill through joist with 7/16" (1,1 cm) drill bit.
- 4 Secure joist assembly with 5-1/2" (14 cm) Hexbolt, flat washers and lock nut (**Fig. A**)

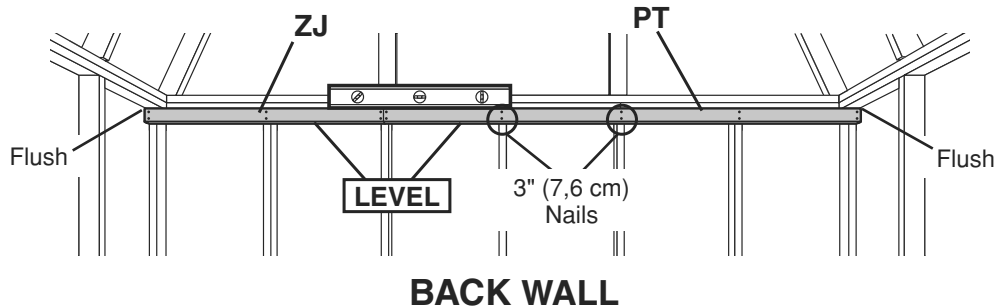


CLASSIC ESTATE
12 x 12'

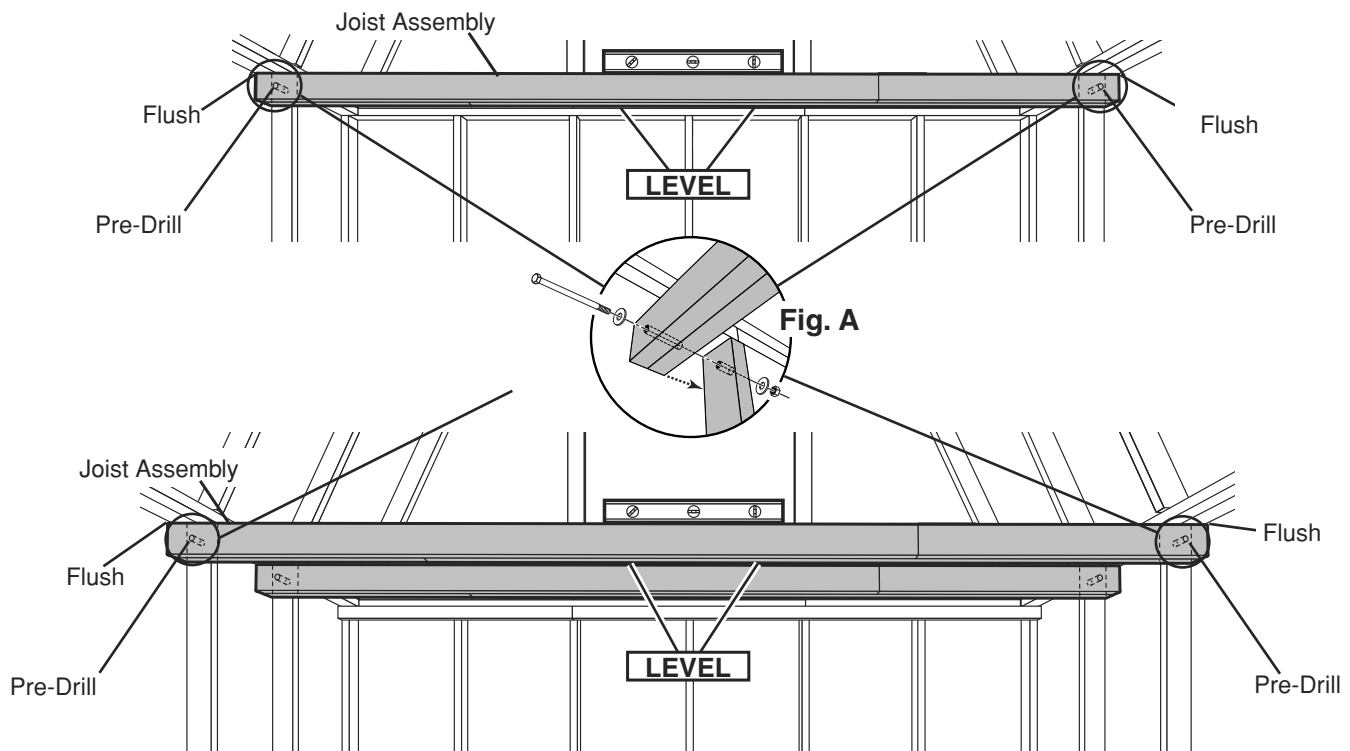
CLASSIC ESTATE
12 x 16'

CLASSIC ESTATE
12 x 20'

CLASSIC ESTATE
12 x 24'



BACK WALL



LOFT PANELS

PARTS REQUIRED:

x1



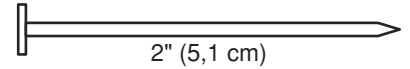
40-7/8 x 48" (103,8 x 121,9 cm)

x1



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

x44



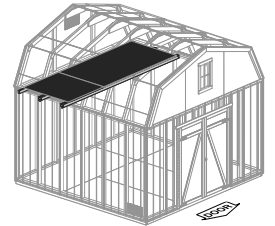
CLASSIC ESTATE
12 x 12'

✓ **BEGIN**

1

Install loft panels centered over loft joists and ledger board. Secure with 2" (5,1 cm) nails 8" (20,3 cm) apart on edges and 16" (50,6 cm) inside panels.

NOTE: There will be a gap of approximately 1/2" (1,3 cm) on either side of installed loft panels.



CLASSIC ESTATE
12 x 16'



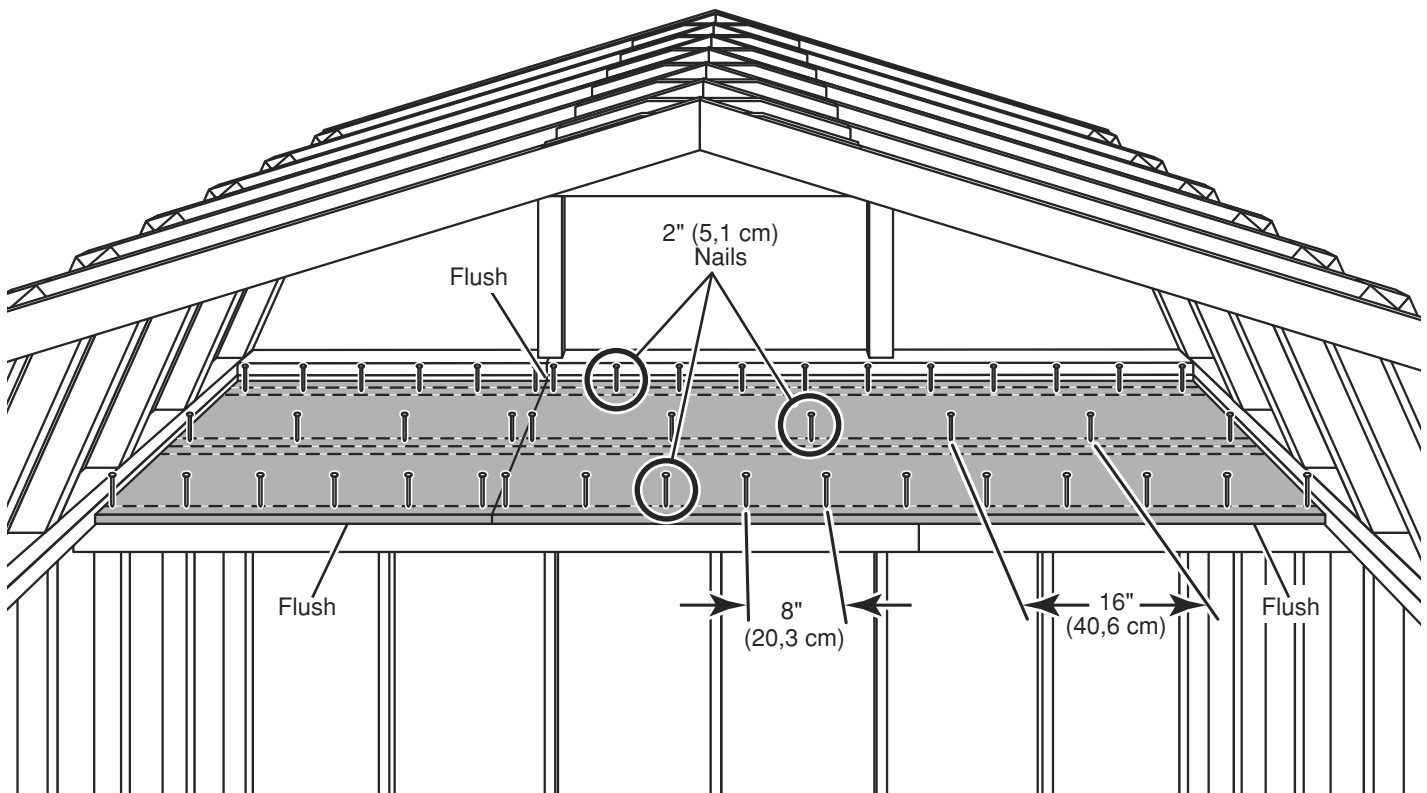
FINISH

2

You have finished installing your Loft.

CLASSIC ESTATE
12 x 20'

CLASSIC ESTATE
12 x 24'

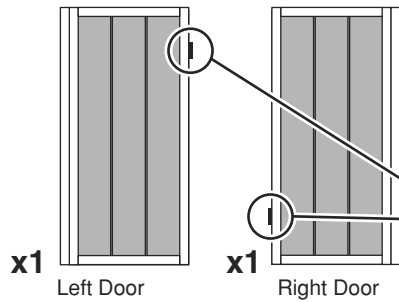


⚠ ATTENTION ⚠

Load not to exceed
400 lbs. (181 kg) evenly
distributed across loft.

DOORS

PARTS REQUIRED:



x1 **OO**
2 x 3 x 69" (5,1 x 7,6 x 175,3 cm)

GAA

3/4"
GAUGE BLOCK

HINT:
Look for 3/8" SPACER
attached to doors.

x2 1-1/4" (3,2 cm)

x4 3" (7,6 cm)

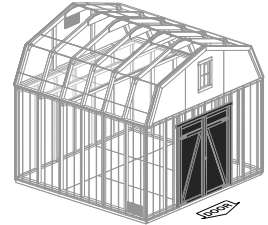


✓ **BEGIN**

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

2 Attach temporary support **OO** with 3" screws. Tighten securely.

Attach temporary support **GAA** at bottom with 1-1/4" screws. Tighten securely.

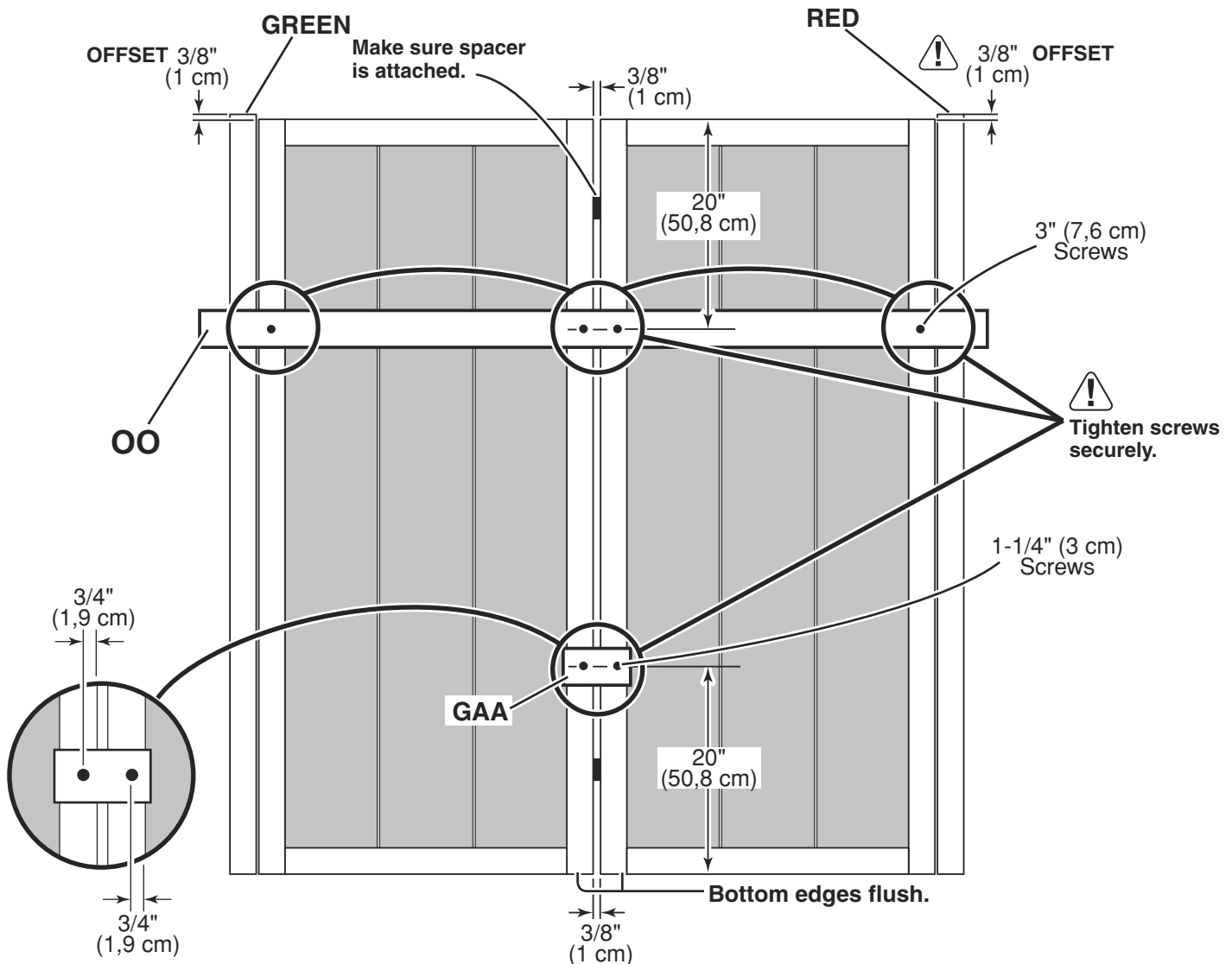


CLASSIC ESTATE
12 x 12'

CLASSIC ESTATE
12 x 16'

CLASSIC ESTATE
12 x 20'

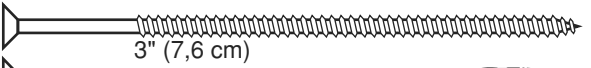

CLASSIC ESTATE
12 x 24'



DOORS

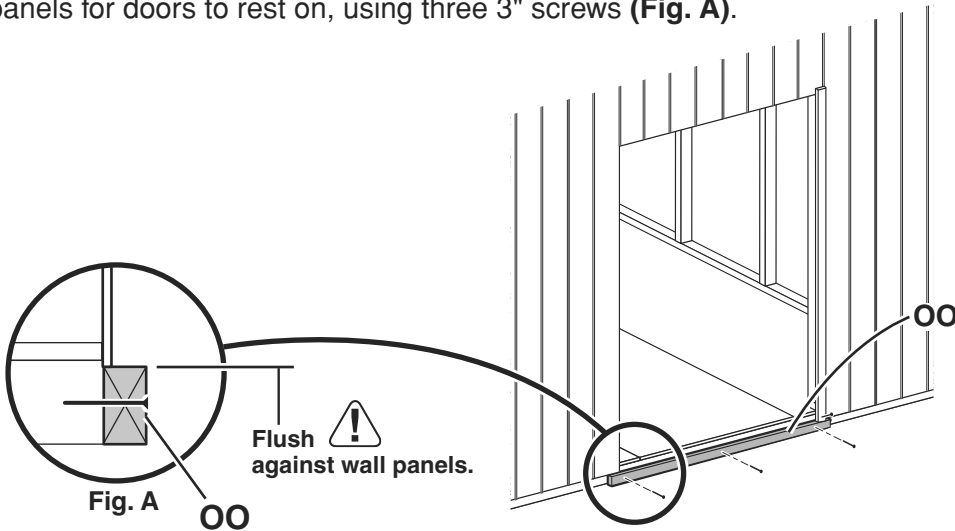
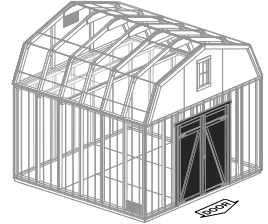
PARTS REQUIRED:


x1 **OO**
2 x 3 x 69" (5,1 x 7,6 x 175,3 cm)

x7  3" (7,6 cm)
x6  2" (5,1 cm)



- 3 Attach temporary support **OO** as a ledger board flush under wall panels for doors to rest on, using three 3" screws (**Fig. A**).



- 4 Center doors on right edge of groove as shown (**Fig. B**). 

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

- 5 Screw hinge boards into wall supports and floor using 3" screws as shown.

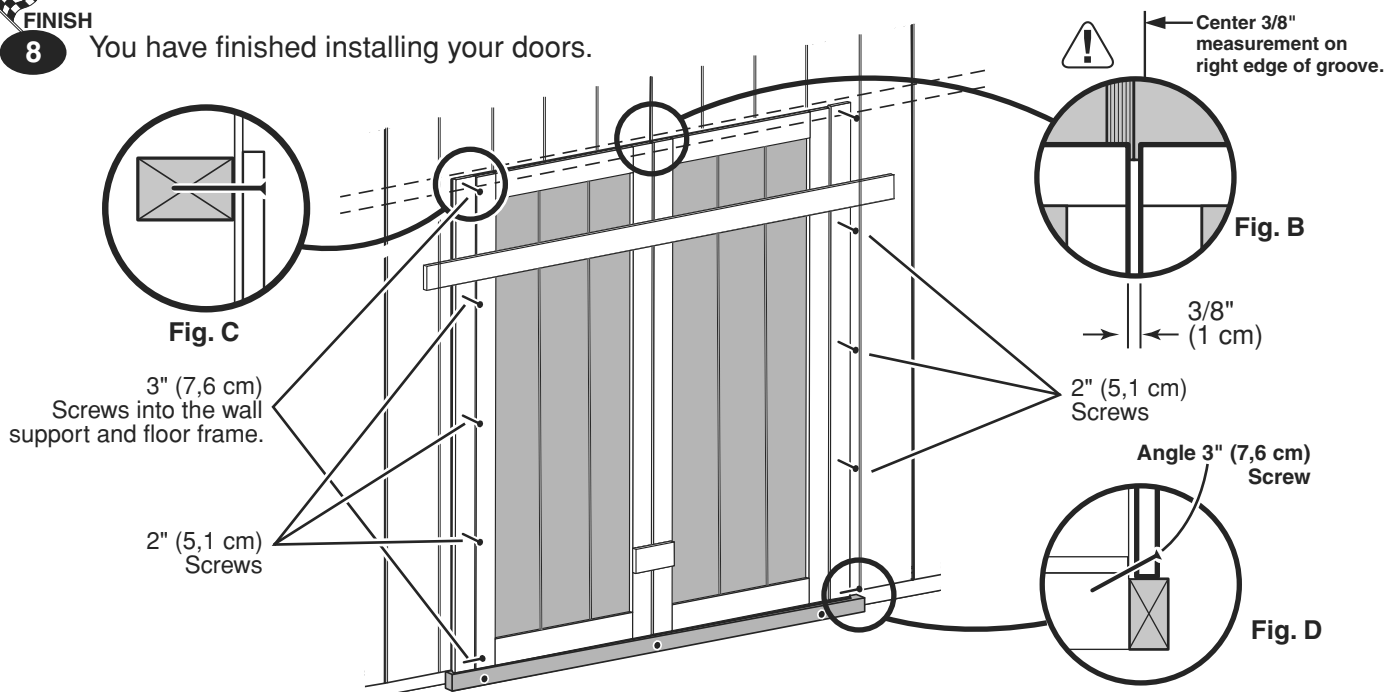
 **Make sure screws go into framing and floor (**Fig. C, D**).**

- 6 Screw hinge boards into wall studs using 2" screws as shown.

- 7 Remove temporary supports and check doors open properly.




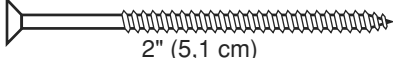
- 8 You have finished installing your doors.






DOOR WEATHERSTRIP









PARTS REQUIRED:

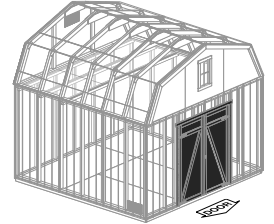
x2 
2 x 3 x 69" (5,1 x 7,6 x 175 cm)

x12 
2" (5,1 cm)

BEGIN

- 1 With left door closed, center a weatherstrip  vertically on the left door in the door opening (**Fig. A**).  will offset the left door 1" OUT past the door trim 1" (**Fig. B**).
- 2 Secure  using five 2" (5,1 cm) screws through outside trim into  (**Fig. B**).
- 3 On right door center  vertically in door opening (**Fig. A**).  will offset the right door 1" IN from the door trim (**Fig. C**).
- 4 Secure  using five 2" (5,1 cm) screws through outside trim into  (**Fig. C**).



CLASSIC ESTATE
12 x 12'

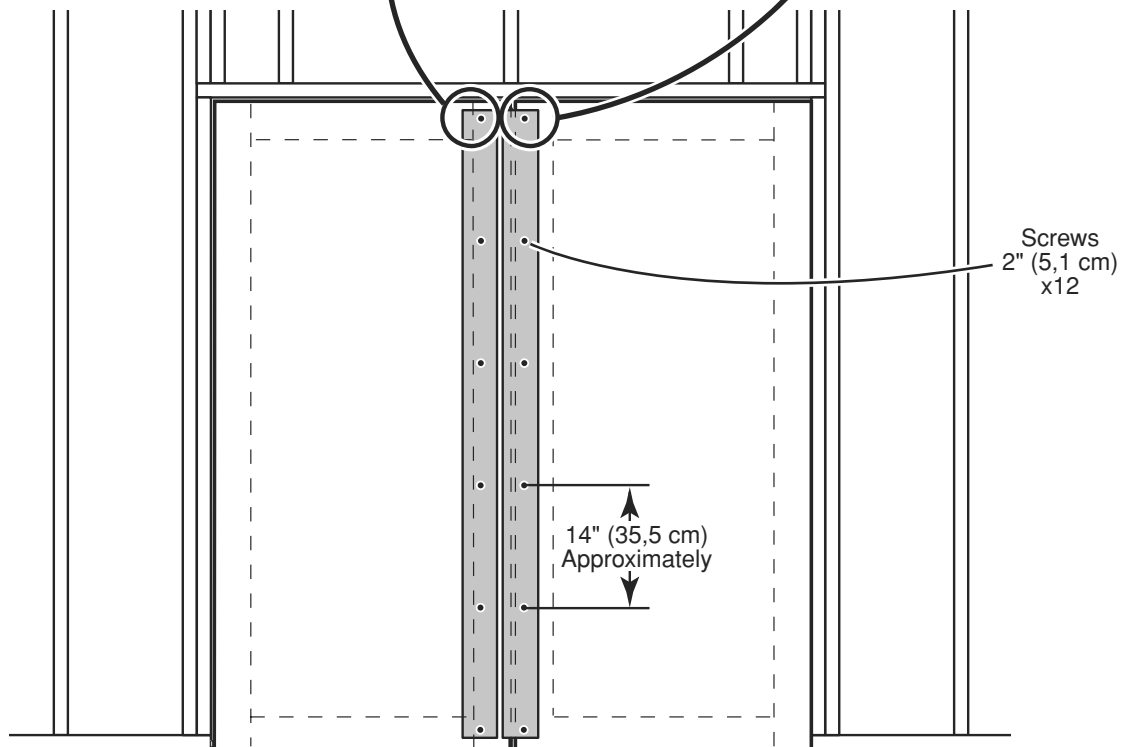
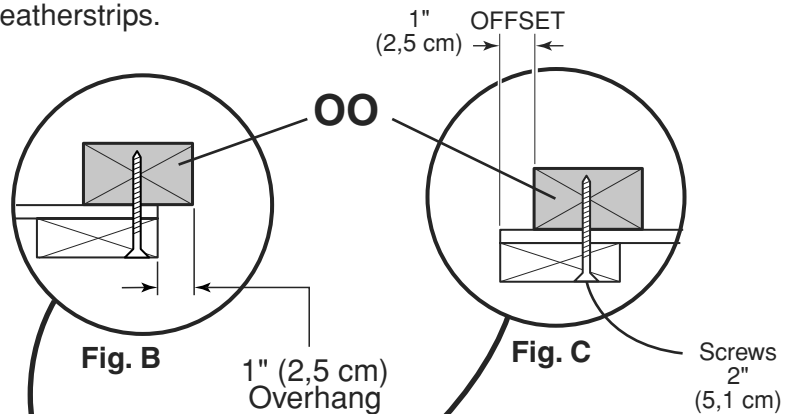
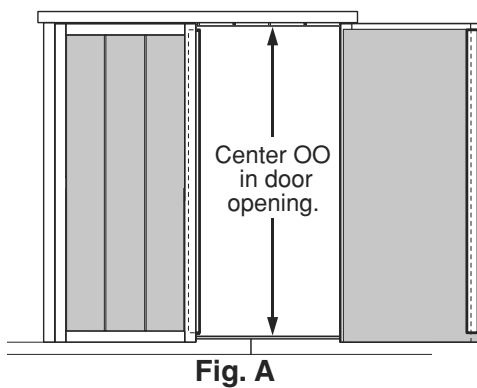
CLASSIC ESTATE
12 x 16'

CLASSIC ESTATE
12 x 20'

CLASSIC ESTATE
12 x 24'

FINISH

- 5 You have finished installing your door weatherstrips.



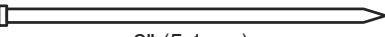
DOORS

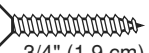

PARTS REQUIRED:

x2 **AHR/AHL**
19/32 x 3 x 62" (1,5 x 7,6 x 157,5 cm)

x1 **ZJ**
19/32 x 3 x 72" (1,5 x 7,6 x 182,9 cm)

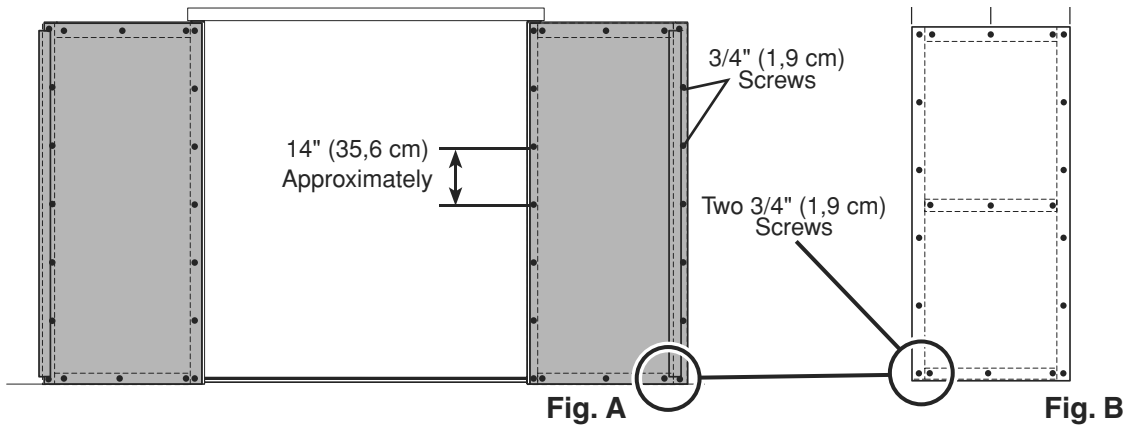
x2 **AH**
19/32 x 3 x 26 5/8" (1,5 x 7,6 x 67,6 cm)

x8  2" (5,1 cm)

x62  3/4" (1,9 cm) 

✓ BEGIN

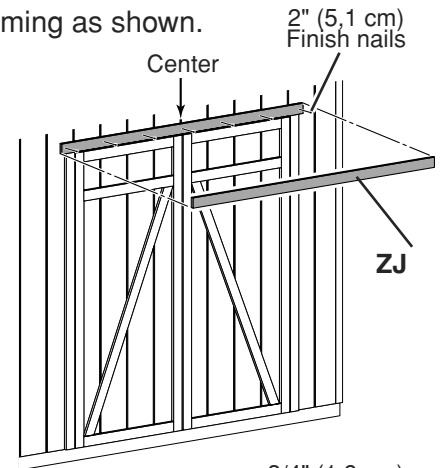
- 1 Reinforce the door trim using 3/4" (1,9 cm) screws through door panel into trim (**Fig. A**). Locate screws as shown in **Fig. B**. Use two screws at seams.



- 2 Center trim **ZJ** over doors and secure using eight 2" finish nails into framing as shown.

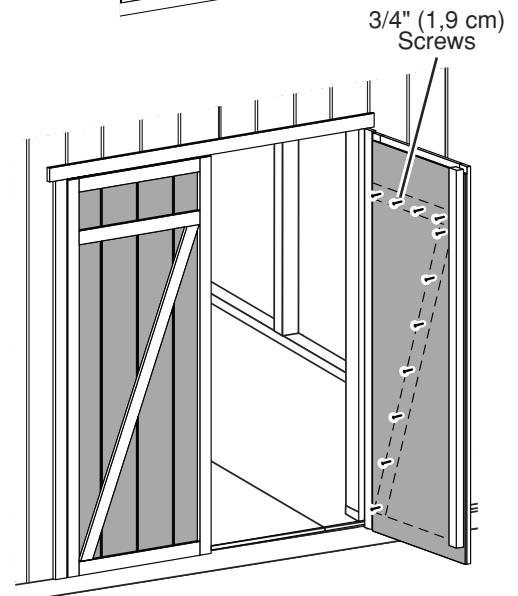
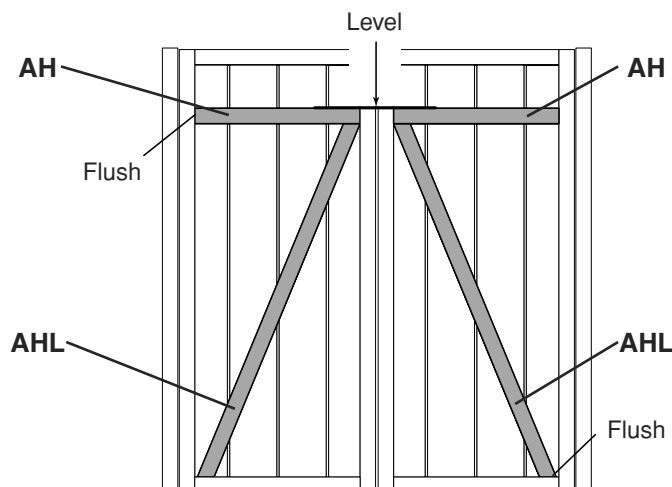
- 3 Remove 3/8" spacers from doors.

- 4 Level **AHR** and **AHL** as shown and secure from inside with eleven 3/4" (1,9 cm) screws



FINISH

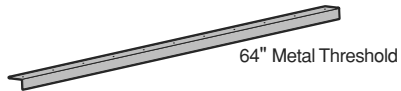
- 5 You have finished securing your door and trim.



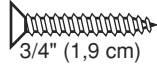
DOORS

PARTS REQUIRED:

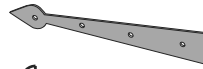
x1



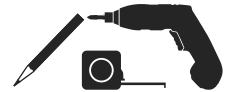
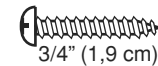
x11



x4



x12

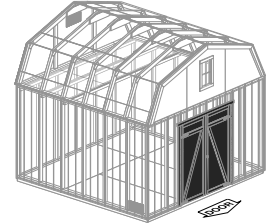


BEGIN

- 1 Center Door Threshold between door opening.
- 2 Secure Threshold using twelve 3/4" (1,9 cm) screws.

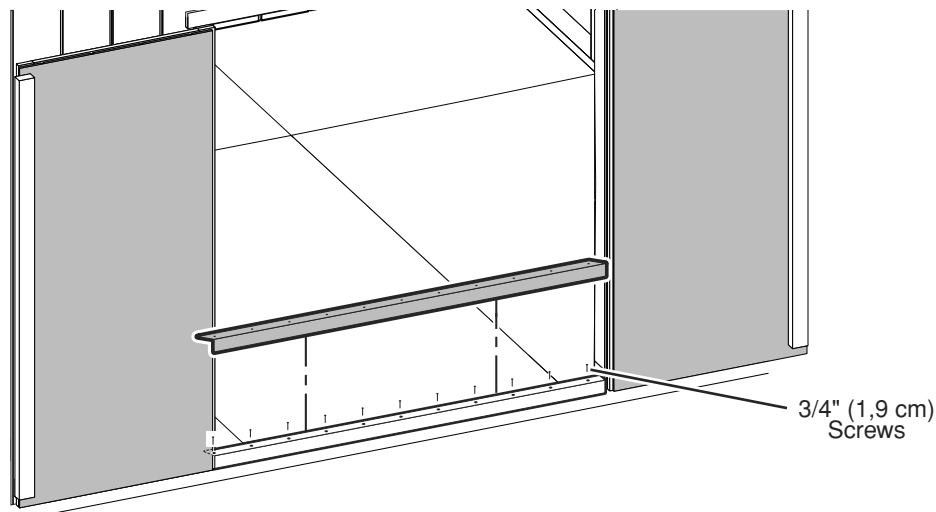
FINISH

- 3 You have finished installing your door Threshold.



CLASSIC ESTATE
12 x 12'

CLASSIC ESTATE
12 x 16'

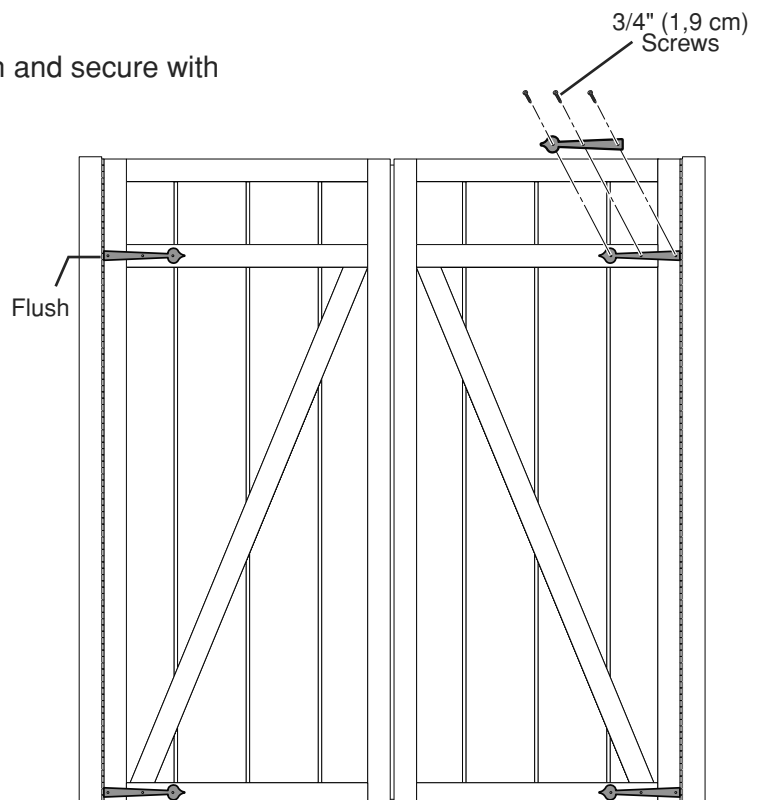


BEGIN

- 1 Level decorative hinges in position as shown and secure with 3/4" (1,9 cm) screws.

FINISH

- 2 You have finished installing your decorative door hinges.

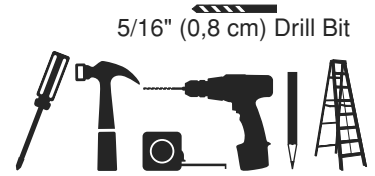
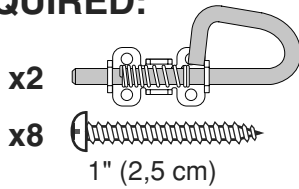


CLASSIC ESTATE
12 x 20'

CLASSIC ESTATE
12 x 24'

DOOR HARDWARE

PARTS REQUIRED:



✓ BEGIN

- 1 Place bolts onto **OO** in open position with bolt ends 1/4" (0,6 cm) down from frame (**Fig A**), and 1/2" (1,3 cm) up from floor (**Fig B**). Bolt is open when loop is contacting base.
- 2 Mark and pre-drill holes for screws. Install bolt with screws supplied.
Drill 5/16" (0,8 cm) hole deep enough for bolt to slide into.

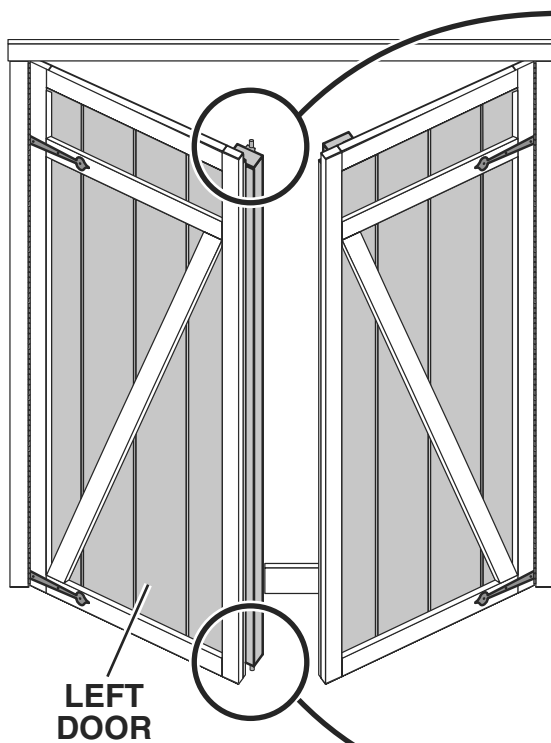
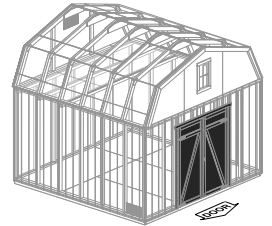
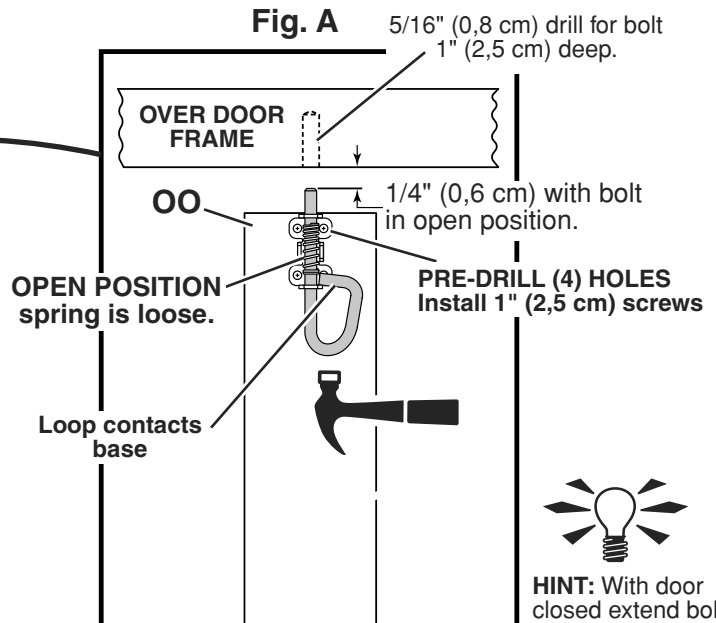


Fig. A



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

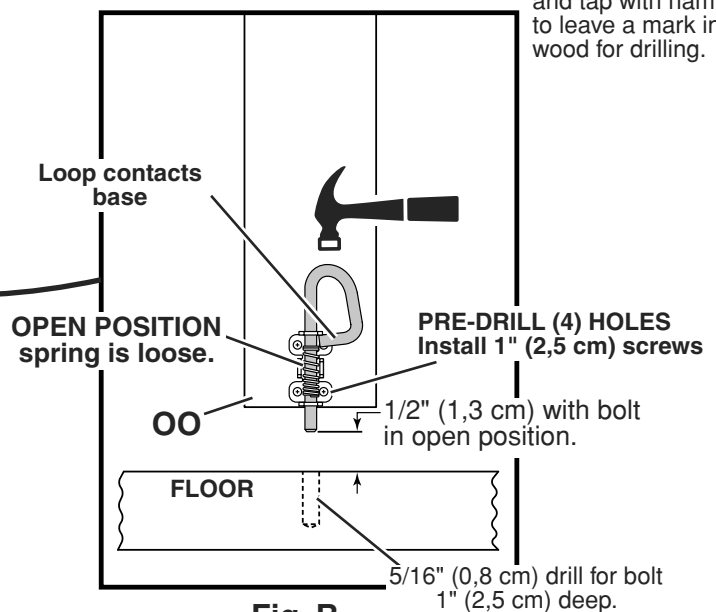
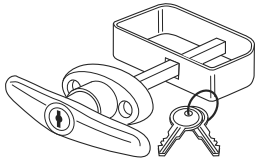


Fig. B

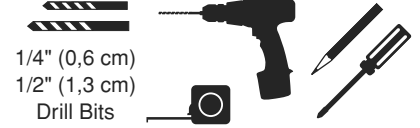
DOOR HARDWARE

PARTS REQUIRED:

x1



x2

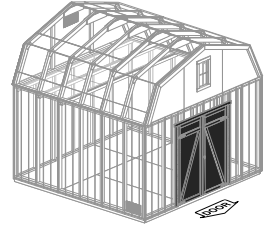


1/4" (0,6 cm)

1/2" (1,3 cm)

Drill Bits

- 3 Measure and mark position on right door as shown.
- 4 Pre-drill 1/4" hole at mark. Finish hole with 1/2" drill bit.
- 5 Position hardware in hole and secure with screws as shown.

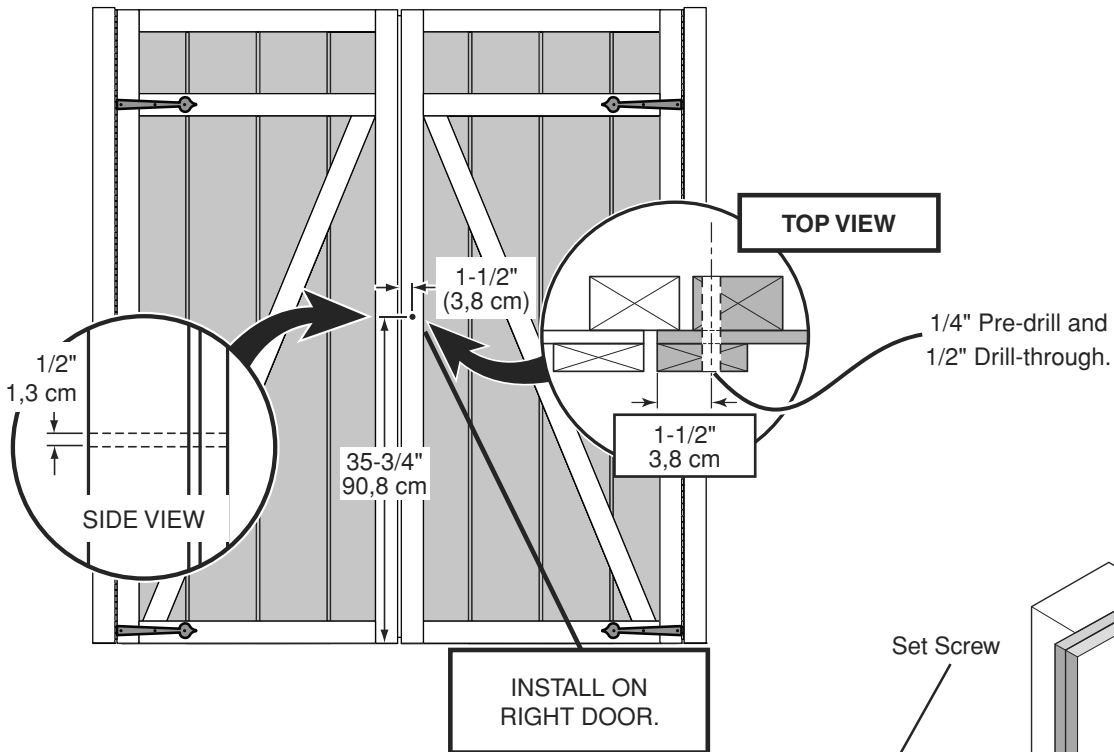


CLASSIC ESTATE
12 x 12'

CLASSIC ESTATE
12 x 16'

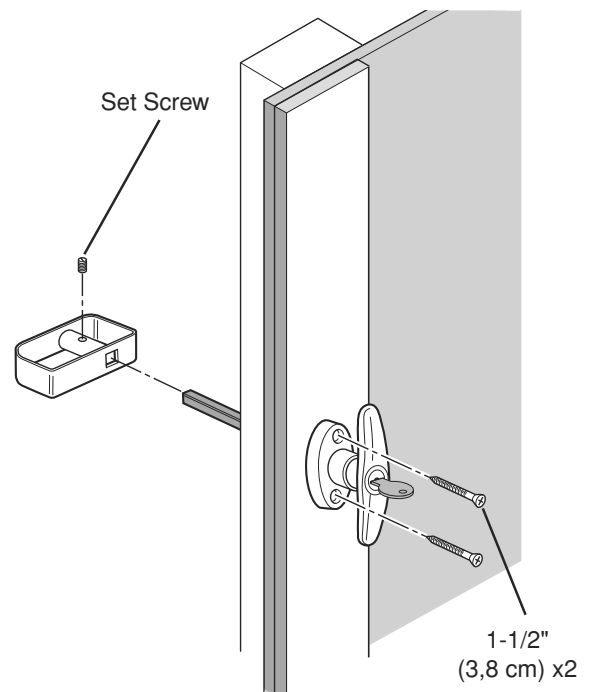
CLASSIC ESTATE
12 x 20'

CLASSIC ESTATE
12 x 24'



6

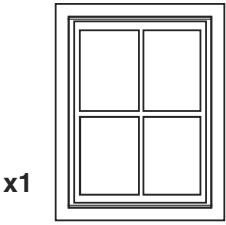
You have finished mounting your door hardware.



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

WINDOW

PARTS REQUIRED:



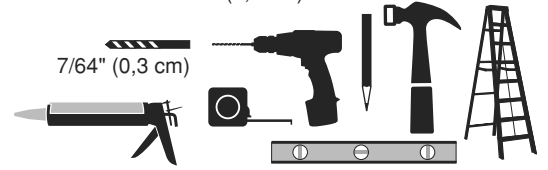
x1

- x2 KX**
19/32 x 2-1/2 x 21-3/4" (1,5 x 6,4 x 55,2 cm)
- x2 KW**
19/32 x 2-1/2 x 25" (1,5 x 6,4 x 63,5 cm)

x14 2" (5,1 cm)

x8 3/4" (1,9 cm)

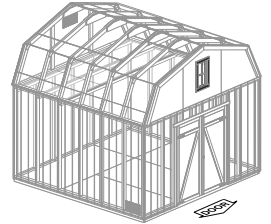
7/64" (0,3 cm)



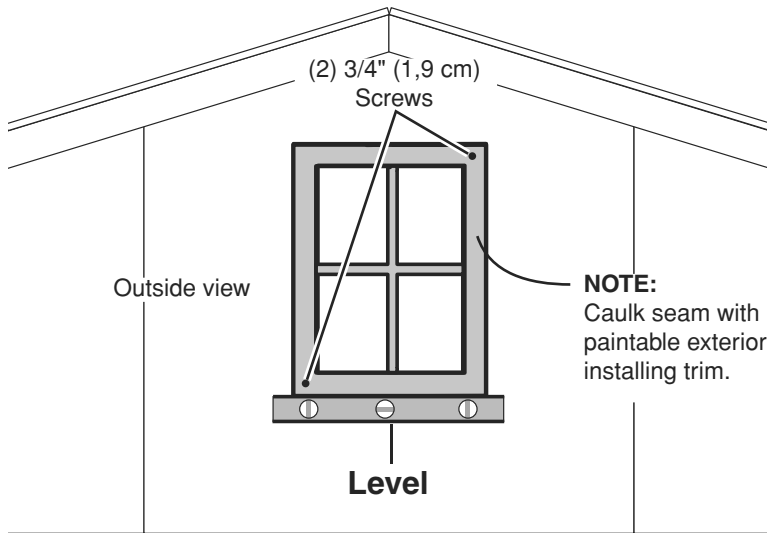
CLASSIC ESTATE
12 x 12'

BEGIN

- 1 Position window on front gable as shown and secure with 3/4" screws.
- 2 Seal window with high quality paintable exterior caulk.



CLASSIC ESTATE
12 x 16'



CLASSIC ESTATE
12 x 20'

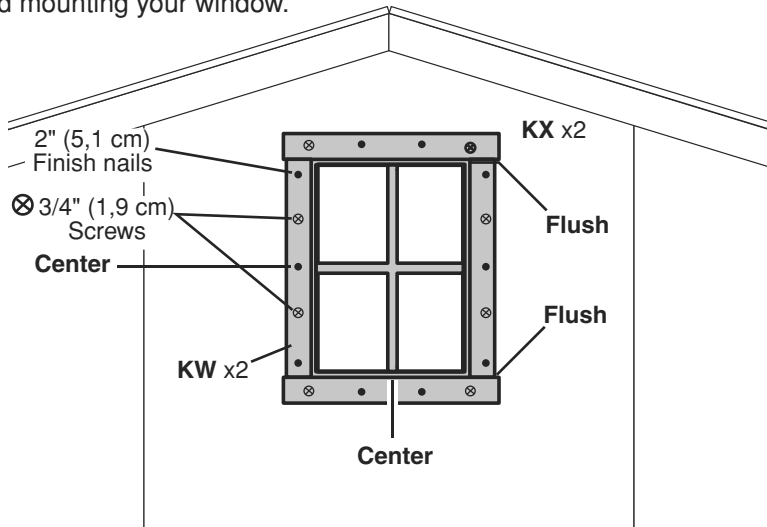
- 3 Center trim over window. Tack in place with 2" finish nails.
- 4 Secure trim with 3/4" screws from inside.



FINISH

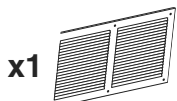
- 5 You have finished mounting your window.

CLASSIC ESTATE
12 x 24'



VENT

- Follow directions provided by manufacturer and these instructions.



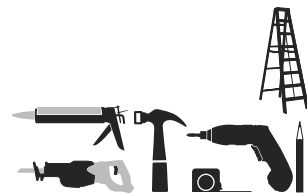
x1

16 x 8" (40,6 x 20,3 cm)

x12



1/2" (13 mm) x12



✓ BEGIN

- 1 Locate and mark for two vents in side walls as shown. (1) at top and (1) at bottom

Cut out marked openings

Caulk behind vent flanges

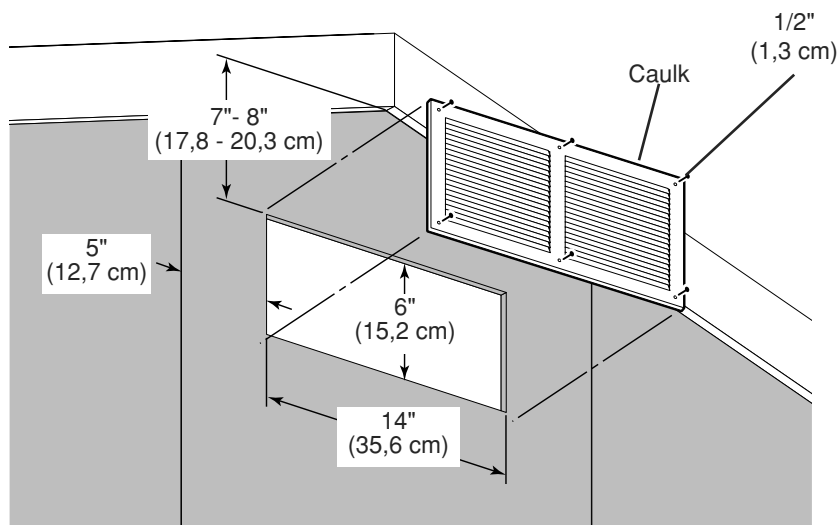
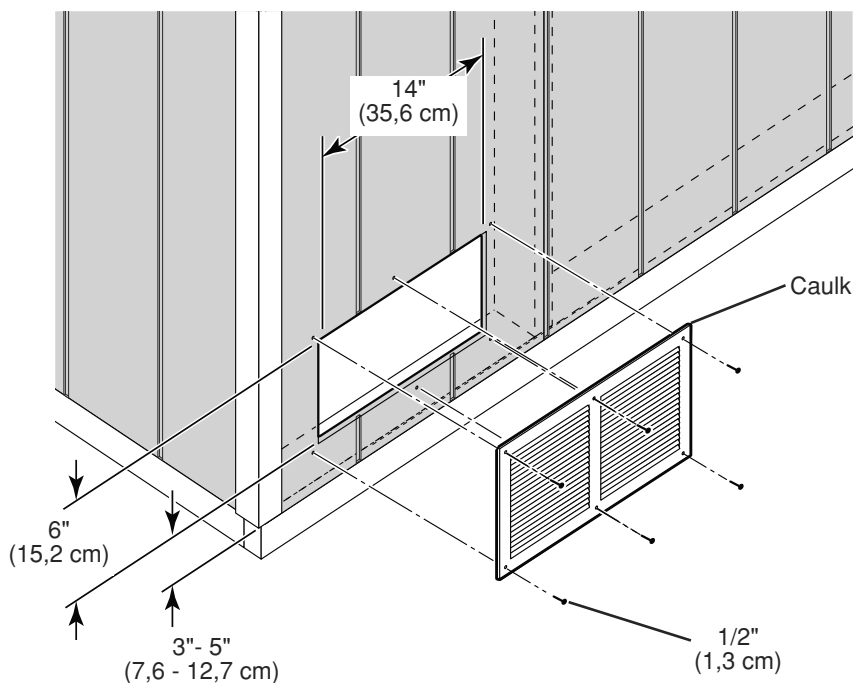
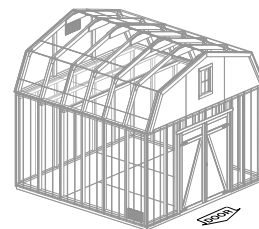
2

- 2 Secure using 1/2" (1,3 cm) screws



FINISH

- 3 You have finished installing your vents.



CLASSIC ESTATE
12 x 12'

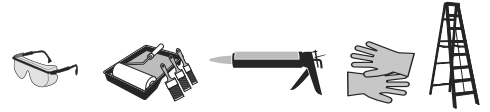
CLASSIC ESTATE
12 x 16'

CLASSIC ESTATE
12 x 20'

CLASSIC ESTATE
12 x 24'

PAINT & CAULK

- NOT INCLUDED -



- Use acrylic latex caulk that is paintable. Caulk at all horizontal and vertical seams, between the trim and walls, and all around the door trim.
- Use a high quality exterior acrylic latex paint. When painting your building, there are a few key areas that can be easily overlooked that must be painted:
 - Bottom edge of all siding and trim
 - Inside of doors and all 4 edges

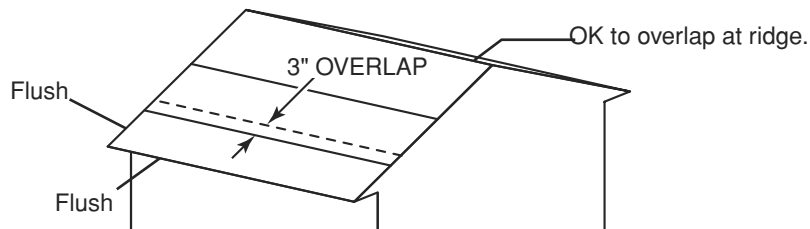
Note:

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

ROOF FELT

- NOT INCLUDED -

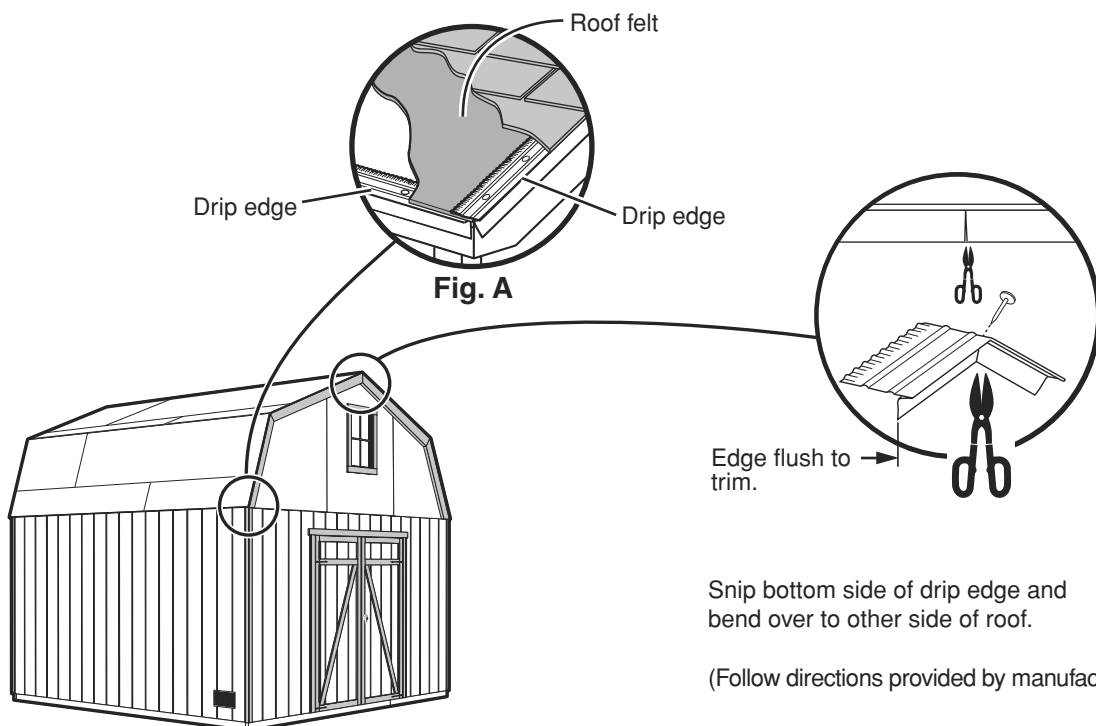
- Install felt flush to all roof edges overlapping 3". Use minimal amount of roofing nails to hold in place.



DRIP EDGE

- NOT INCLUDED -

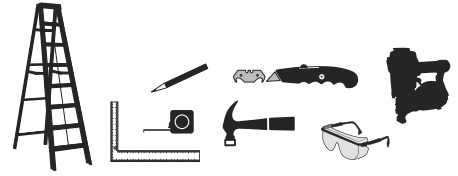
- Install drip edge over roof felt on gable side and under roof felt on eave side (Fig. A).
- Do not use nails on side of drip edge that hangs over side of building.
- Only nail top of drip edge as shown.



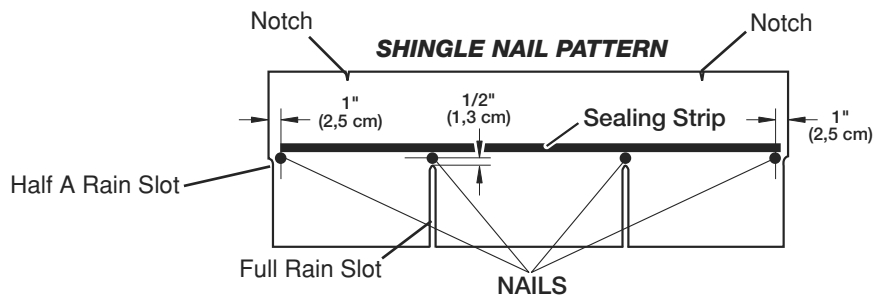
SHINGLES

- NOT INCLUDED -

- Follow directions provided by manufacturer and these instructions.



! Familiarize yourself with a 3-Tab Shingle.

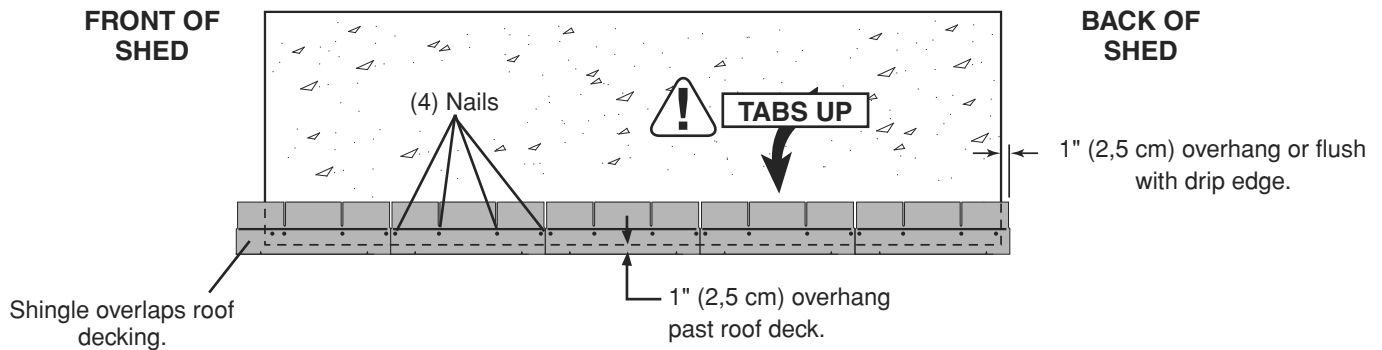


! NEVER DRIVE FASTENERS INTO OR ABOVE SEALING STRIPS.

✓ BEGIN

- 1 Install first starter row upside down and color up with a 1" overhang at back and bottom of roof panel. Use (4) nails per shingle. Starter row must be straight and level all the way across with lower edge of roof deck.

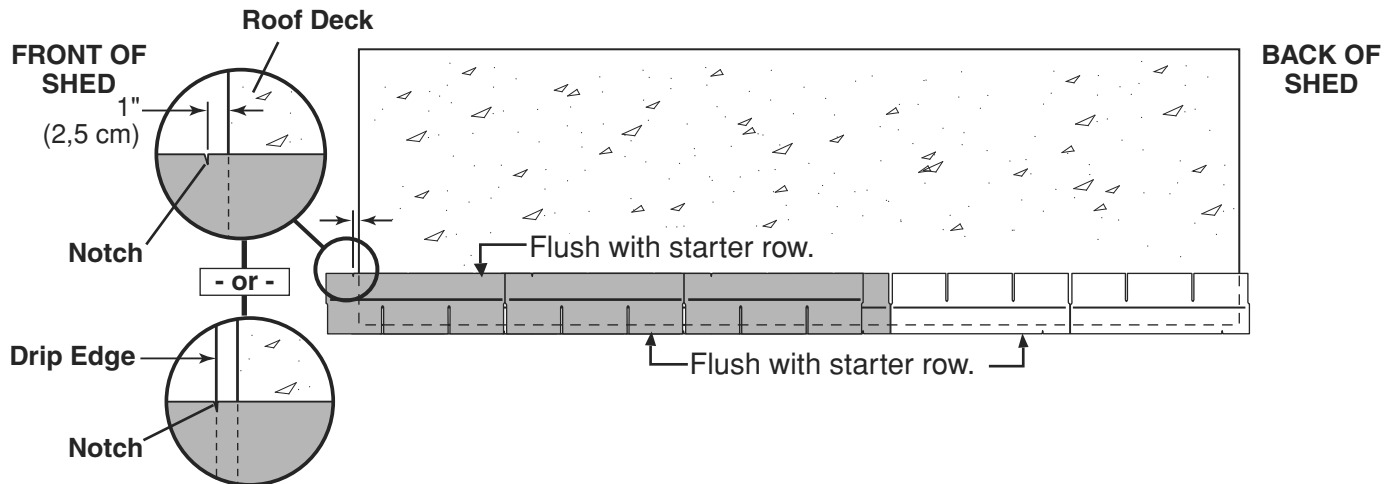
NOTE: If you have installed drip edge install shingles flush to drip edge.



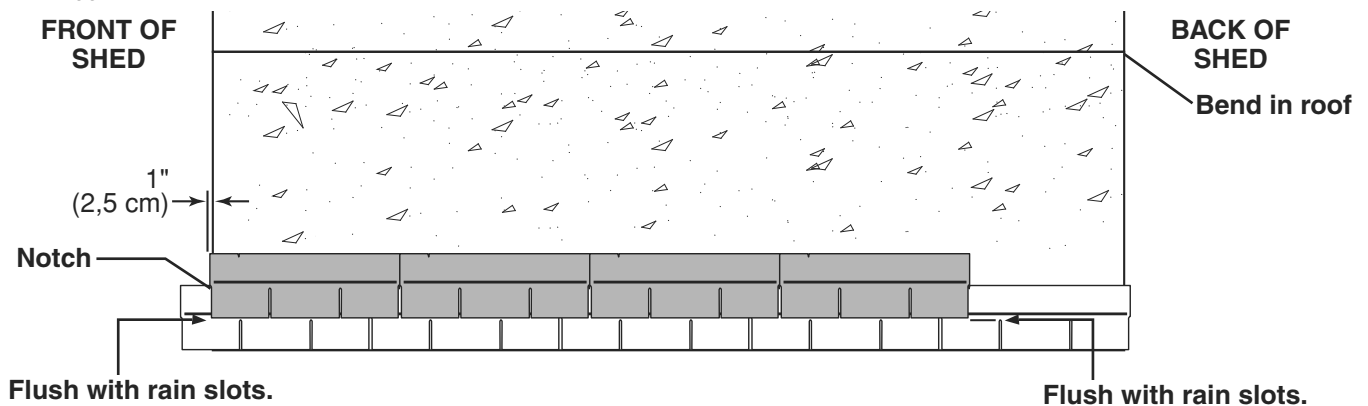
SHINGLES

continued...

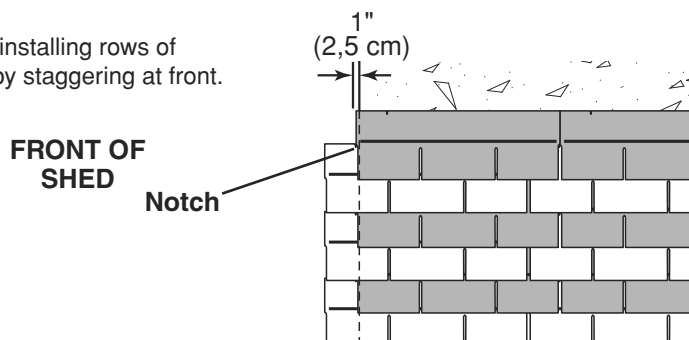
- 2 Beginning at front of shed, install first row of shingles with notch at 1" past roof edge or flush with drip edge.



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

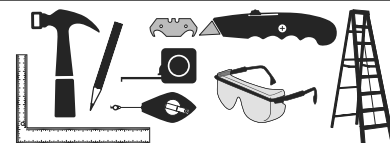


- 4 Continue installing rows of shingles by staggering at front.

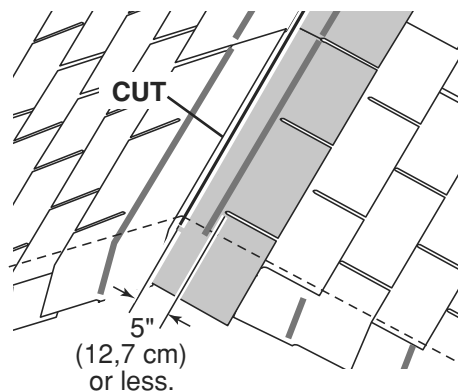
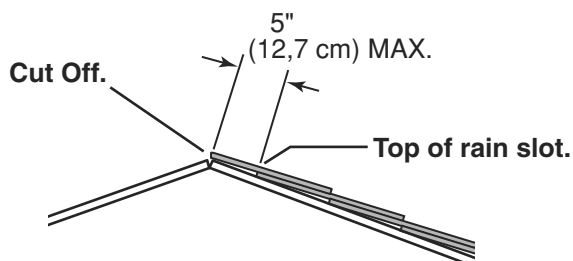


SHINGLES

continued...



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

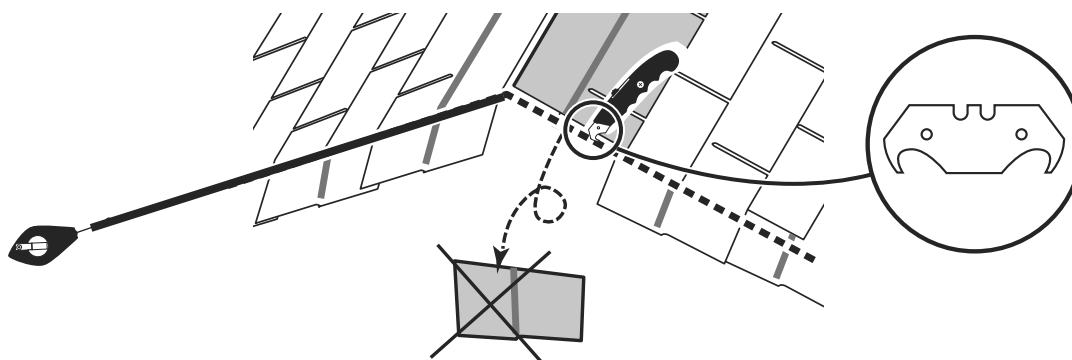


- ! • If more than 5" to rain slot you must install another row of shingles.

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

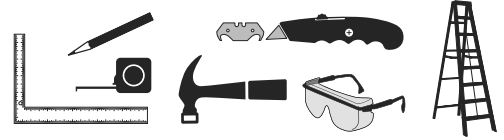
- 7 Once both sides are shingled you need to trim ends. Strike a chalk line 1" from edge.

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



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

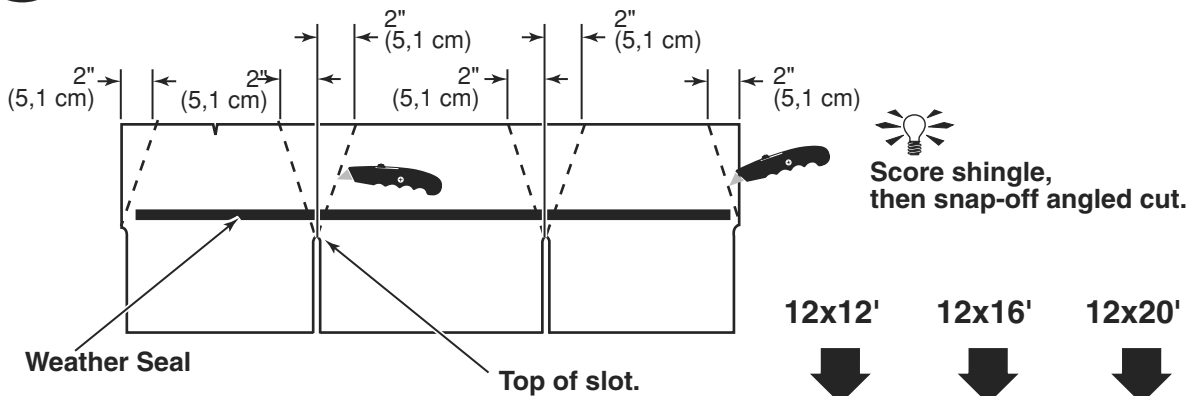
SHINGLES - RIDGE CAP



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

BEGIN

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

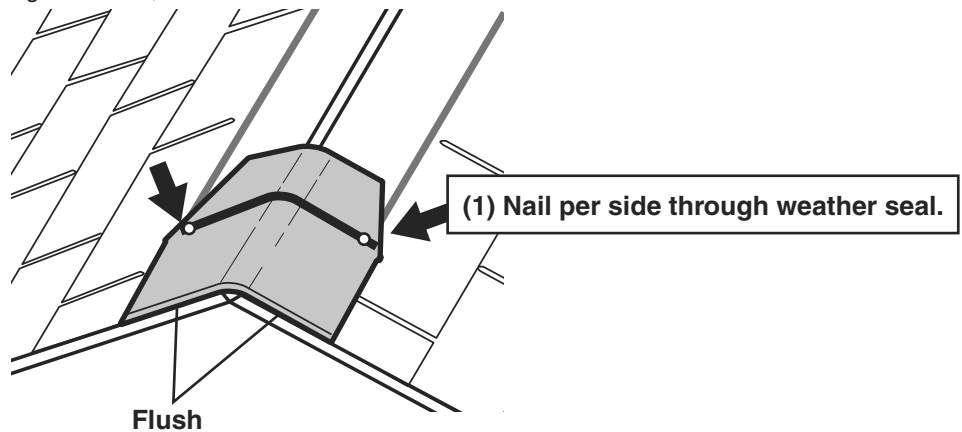


Note: • You will need about

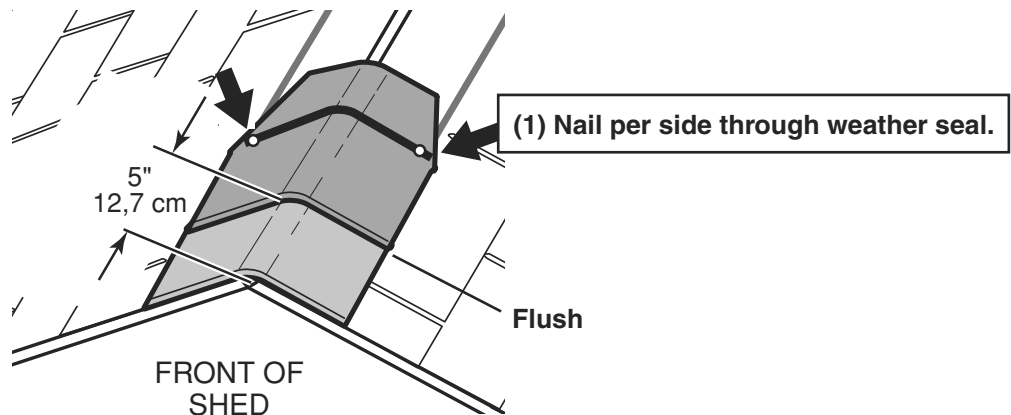
- 28 - 30 cut pieces for 12' x 12' model
- 38 - 40 cut pieces for 12' x 16' model
- 48 - 50 cut pieces for 12' x 20' model
- 57 - 60 cut pieces for 12' x 24' model

12x12'	12x16'	12x20'	12x24'
28 to 30 Pieces	38 to 40 Pieces	48 to 50 Pieces	57 to 60 Pieces

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



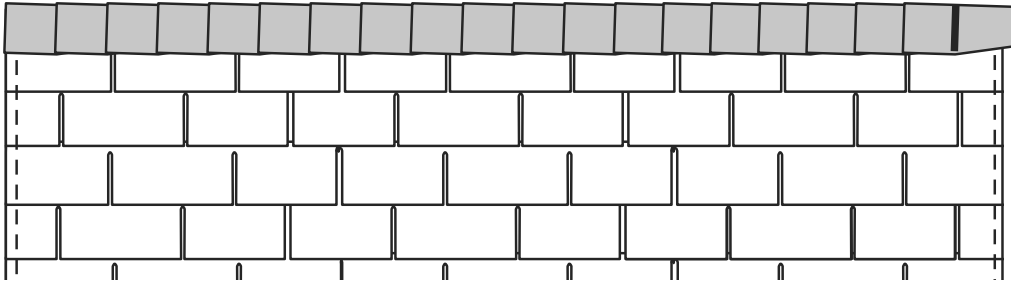
- Install second ridge cap 5" back, as shown.



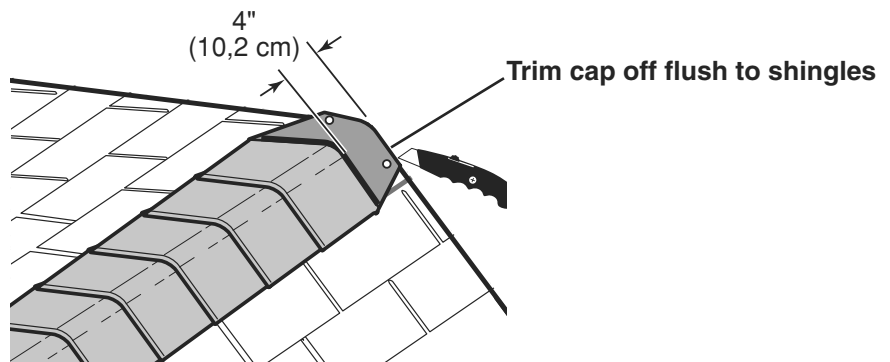
SHINGLES - RIDGE CAP

continued...

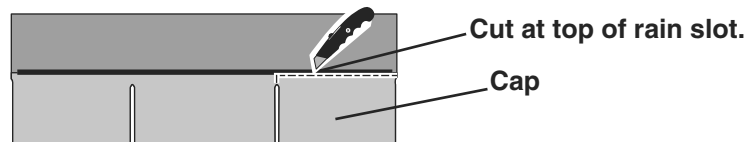
- 4 Continue installing ridge cap to back of roof.



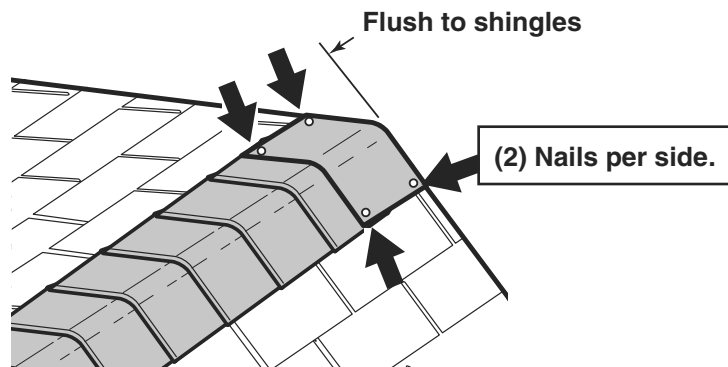
- 5 Make sure there is 4" between the shingle-color and edge of shingles.



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



- 7 Install flush to shingles.



- 8 You have finished your ridge cap.

WARRANTY

Backyard Storage Solutions, LLC warrants the following:

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.

**Limited Conditional
Warranty ***

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.