Craftcamp

# Free 24' x 24' Pole Barn Plan

# Free vs. Premium Plan: What's the Difference?

We offer both free and premium versions of our detailed shed plans, designed to fit your needs and budget. Check out the table below to see the key differences and choose the plan that's right for you:

| Features | Free Plan | Premium Plan |
|---|---|---|
| Steps Count | 7 | 11 |
| Illustrations per Step | Limited | Every Step |
| Print Ready Format | X | ✓ |
| Step-by-Step Instructions | Basic | Comprehensive |
| Full Materials & Cutting List | X | ✓ |
| Additional Illustrations | X | ✓ |
| Additional Blueprints | X | ✓ |
| Tools List | X | ✓ |
| Fastening Elements List | X | ✓ |
| Technical Support | X | ✓ |

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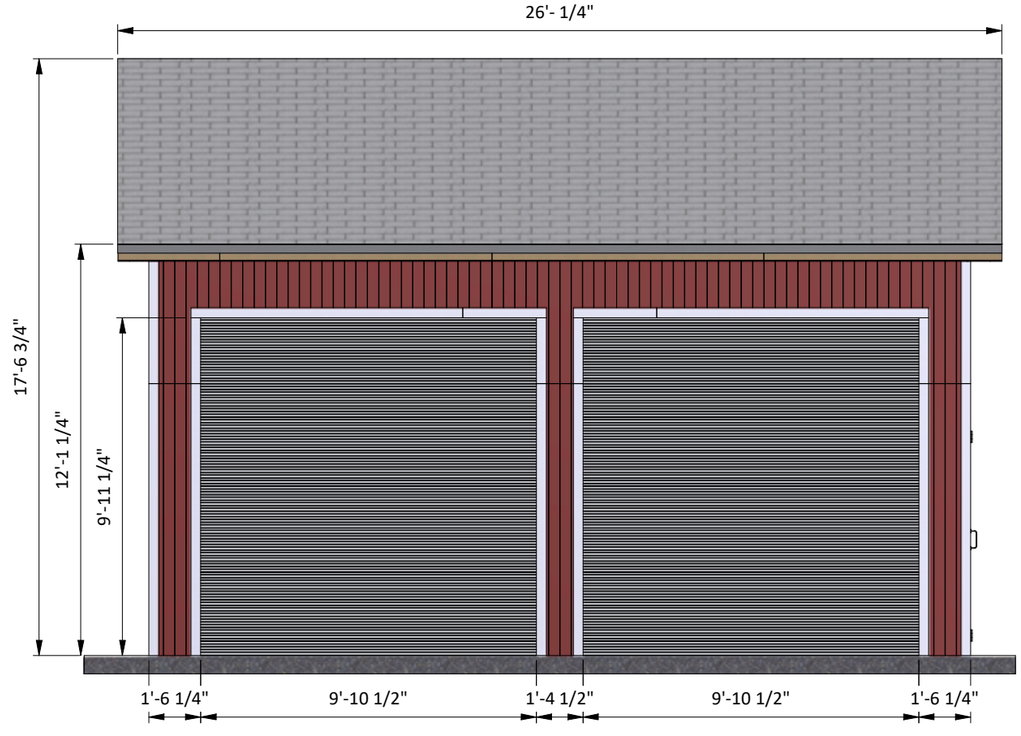
60-day refund policy with no questions asked.

# 24' x 24' Pole barn shopping list

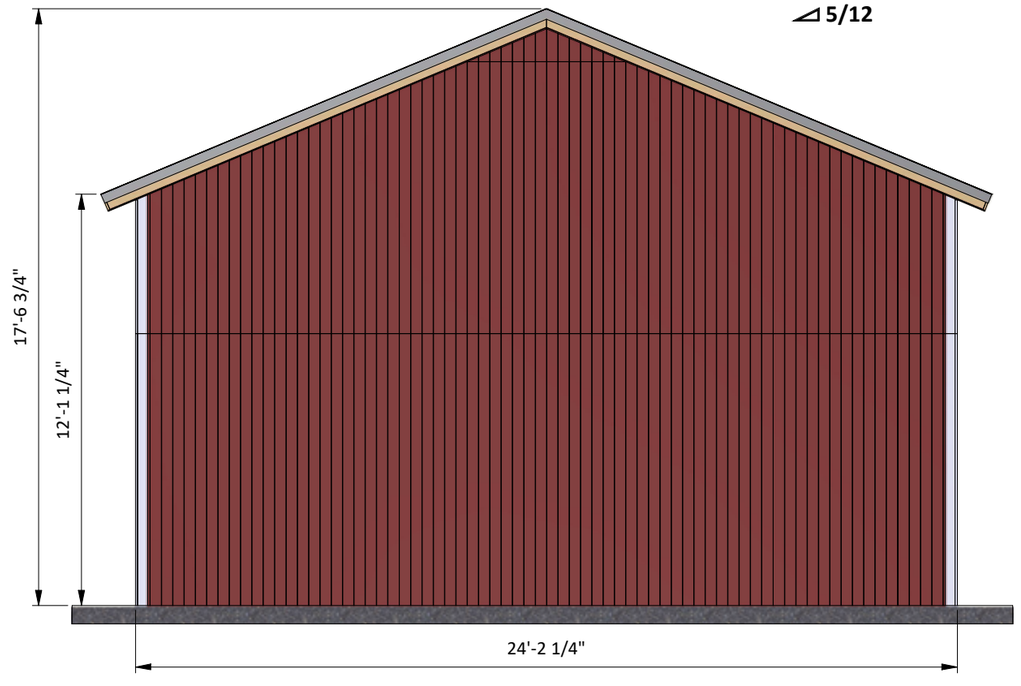
| Material | Unit | Qty | Size |
|---|---|---|---|
| End Roof Truss 5/12 Pitch | pcs | 2 | 24' |
| Inner Roof Truss 5/12 Pitch | pcs | 11 | 24' |
| Lumber (1 x 4) | pcs | 24 | 8' |
| Lumber (1 x 6) | pcs | 7 | 8' |
| Lumber (1 x 8) | pcs | 8 | 8' |
| Lumber (2 x 6) | pcs | 40 | 8' |
| Lumber (2 x 6) | pcs | 6 | 12' |
| Lumber (2 x 6) | pcs | 25 | 16' |
| LVL (2x10) | pcs | 2 | 24' |
| Pressure Treated Lumber (6 x 6) | pcs | 10 | 16' |
| Pressure Treated Lumber (6 x 6) | pcs | 4 | 20' |

# Size & Dimensions

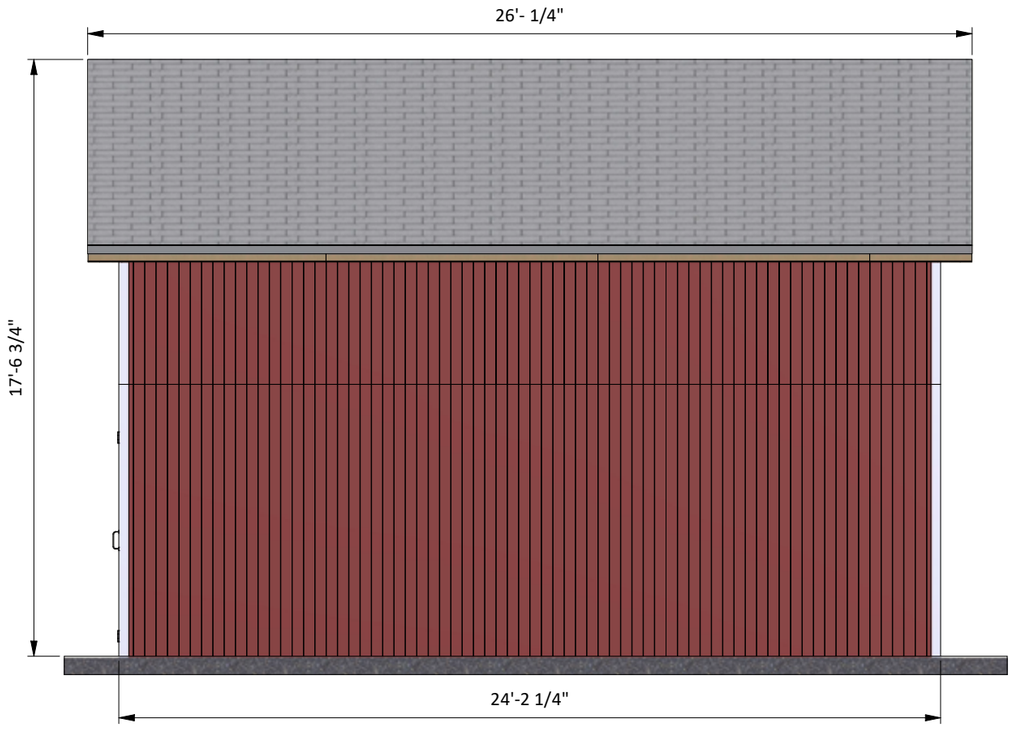
**front**



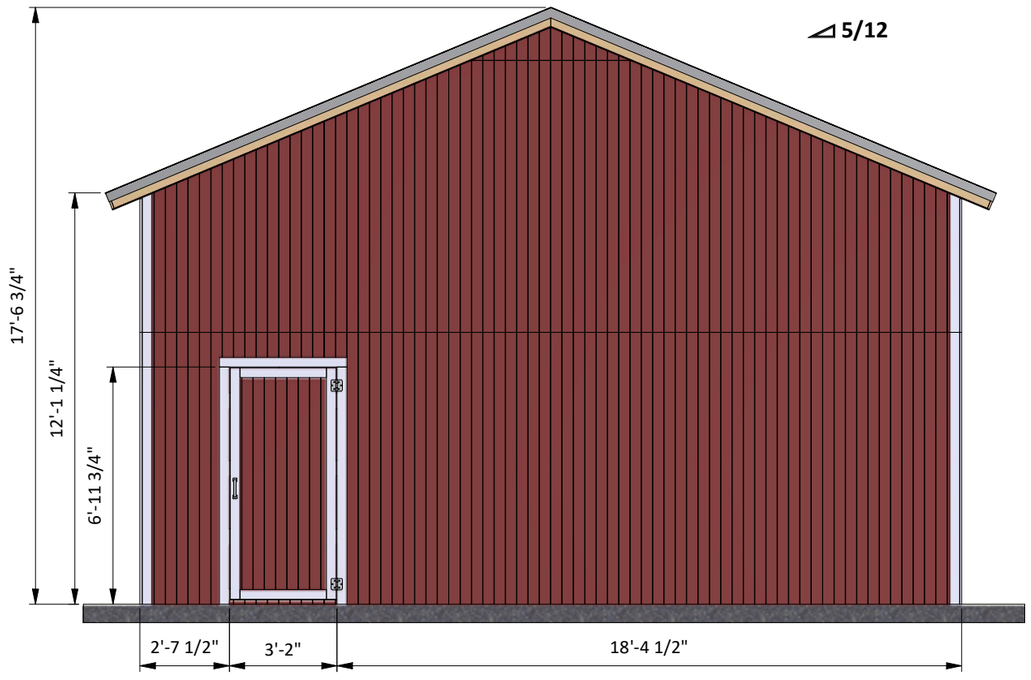

**left**



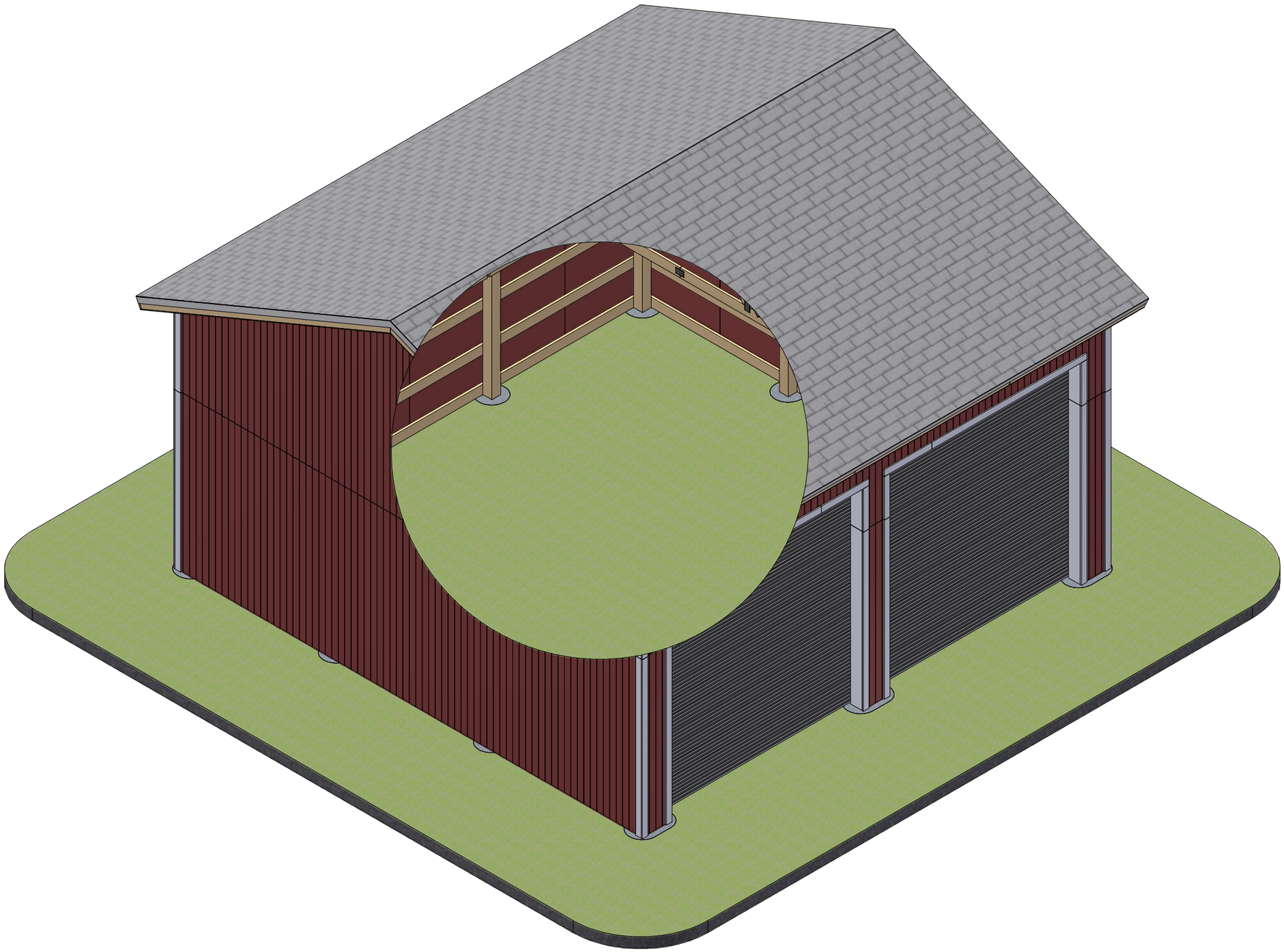

**back**




**right**



# Isometric view

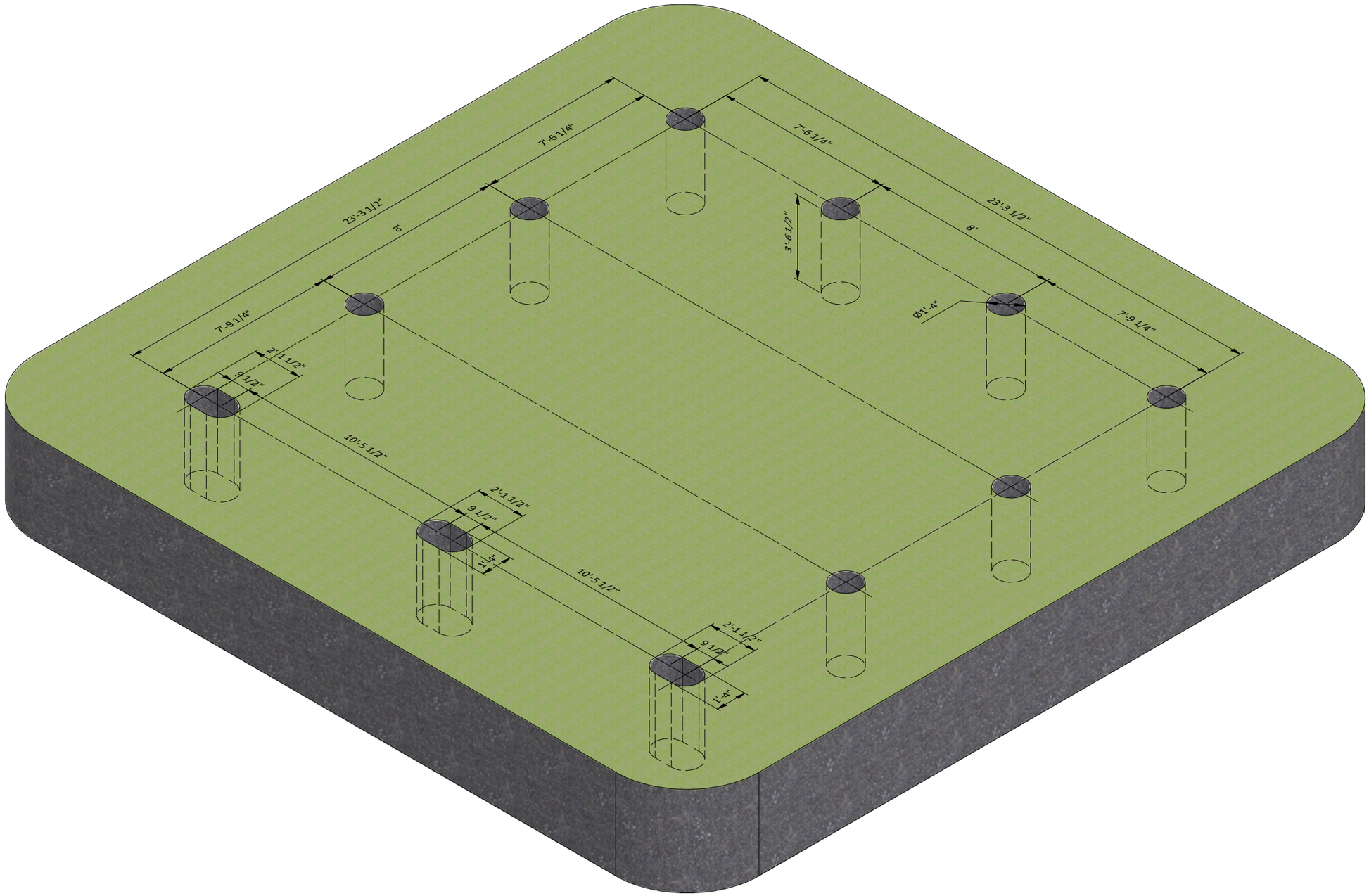


**STEP 1**

# Foundation Preparation

**1.1** Clear the area where you want to build the garage and layout for the foundation. Use the illustration below as a guide.

**1.2** For the foundation, dig the pits at at least 16" diameter and preliminary 4' deep (use your local frost depth requirement if it’s need to be deeper).



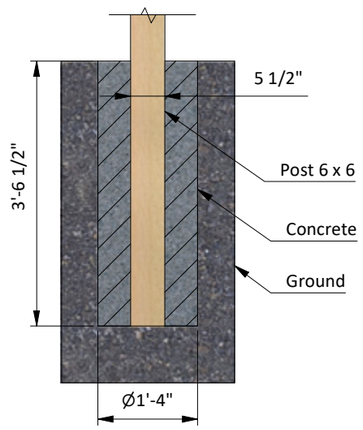
**STEP 2**

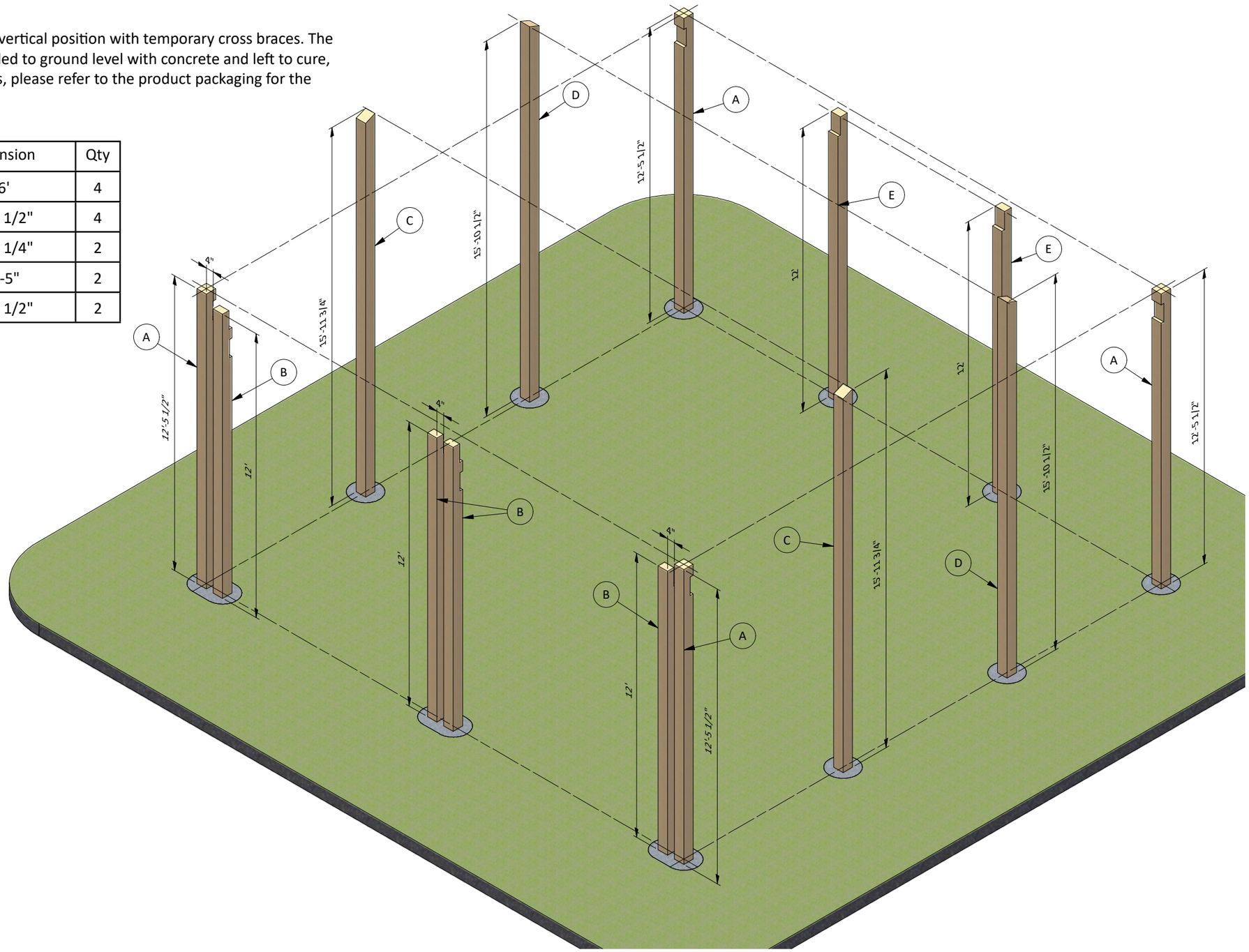
# Installation of Wall Posts

**2.1** Using 6x6 pressure threated lumber, prepare wall posts using the drawing below as a reference. You will need to prepare beams in necessary quantity according to the cutting list below. As an alternative, you can use 2x6 wood connected in sets of three.

**2.2** Posts should be inserted into pits and fixed in a vertical position with temporary cross braces. The free space around the posts in the pits should be filled to ground level with concrete and left to cure, or harden. As curing times can vary between brands, please refer to the product packaging for the recommended curing times.

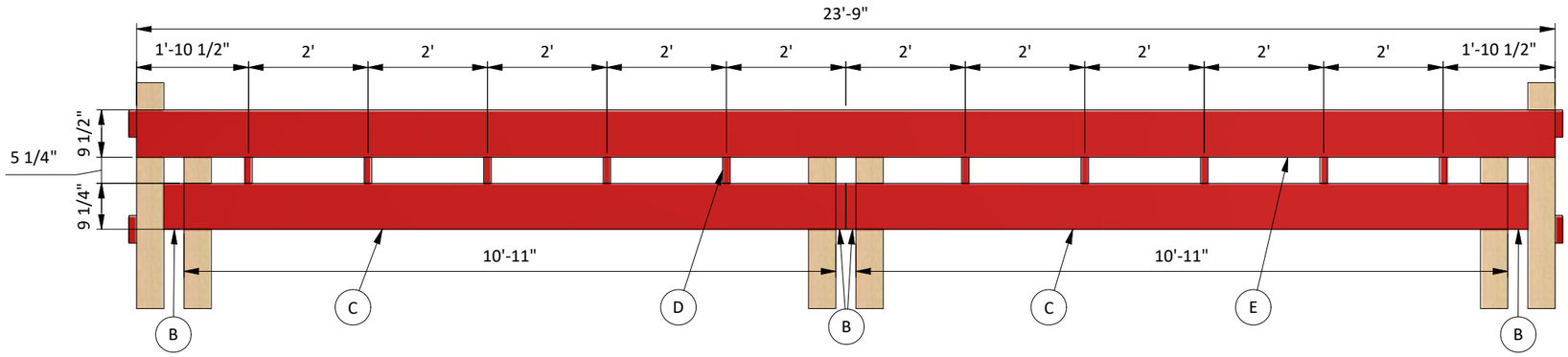
| Pos | Description | Material | Dimension | Qty |
|---|---|---|---|---|
| A | Post | PT 6x6 | 16' | 4 |
| B | Post | PT 6x6 | 15'-6 1/2" | 4 |
| C | Post | PT 6x6 | 19'-6 1/4" | 2 |
| D | Post | PT 6x6 | 19'-5" | 2 |
| E | Post | PT 6x6 | 15'-6 1/2" | 2 |



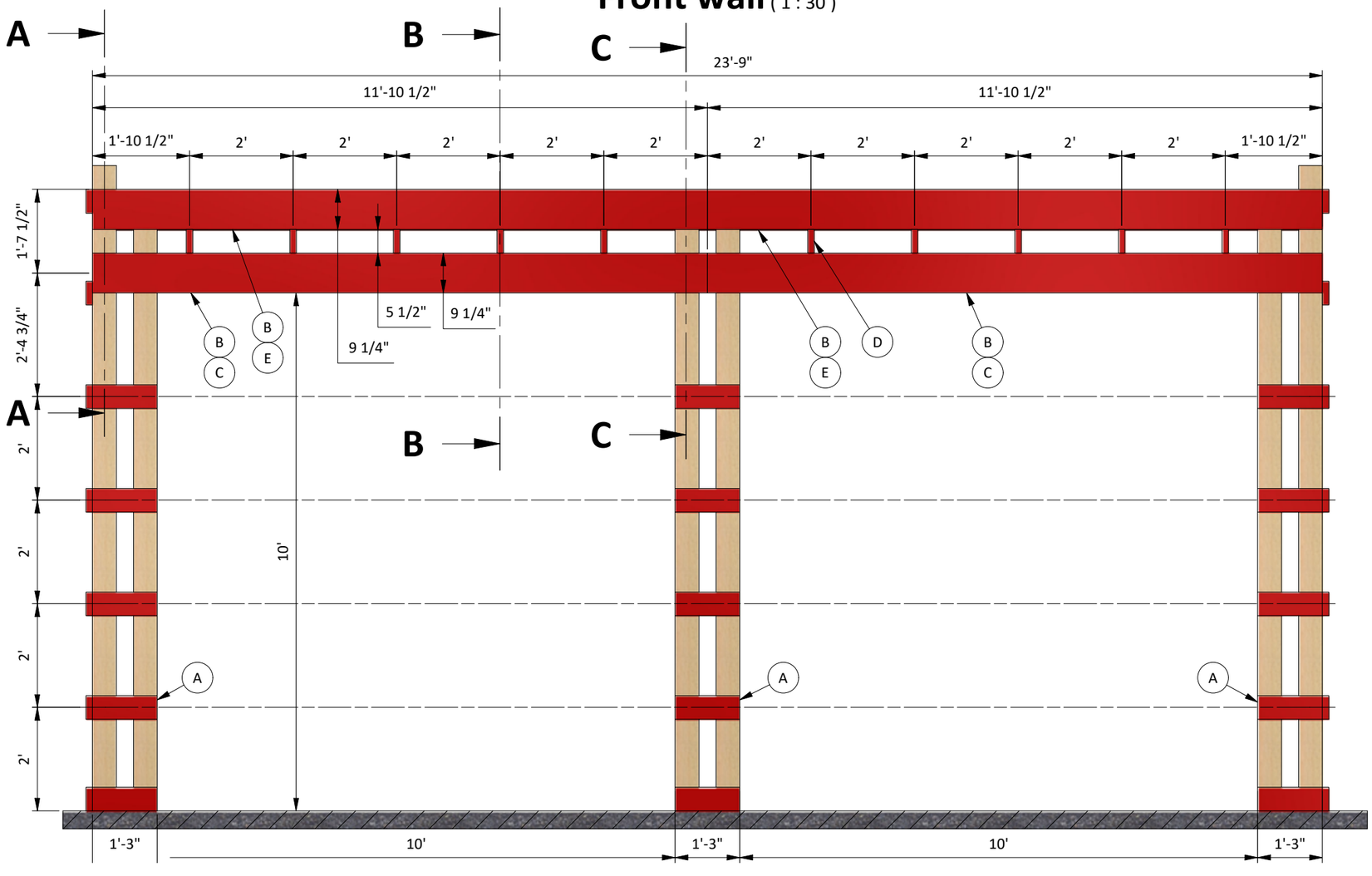



**STEP 3**

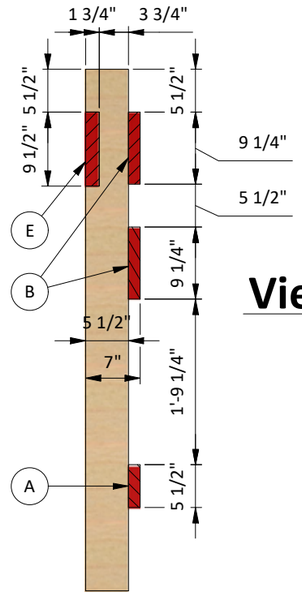
## Front wall (Inside view) ( 1 : 30 )



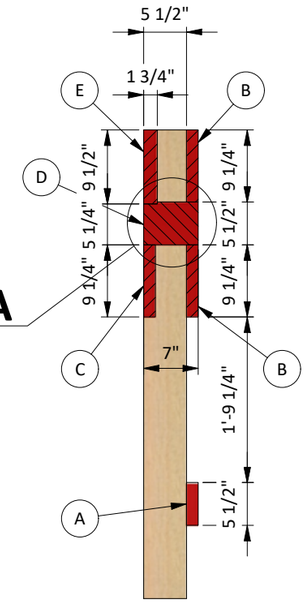

## Front wall ( 1 : 30 )




## A-A ( 1 : 20 )

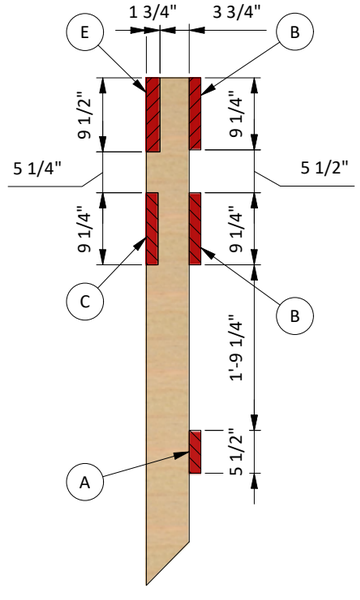



## B-B ( 1 : 20 )

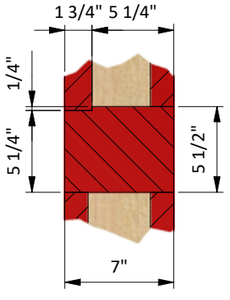



## View A

## C-C ( 1 : 20 )

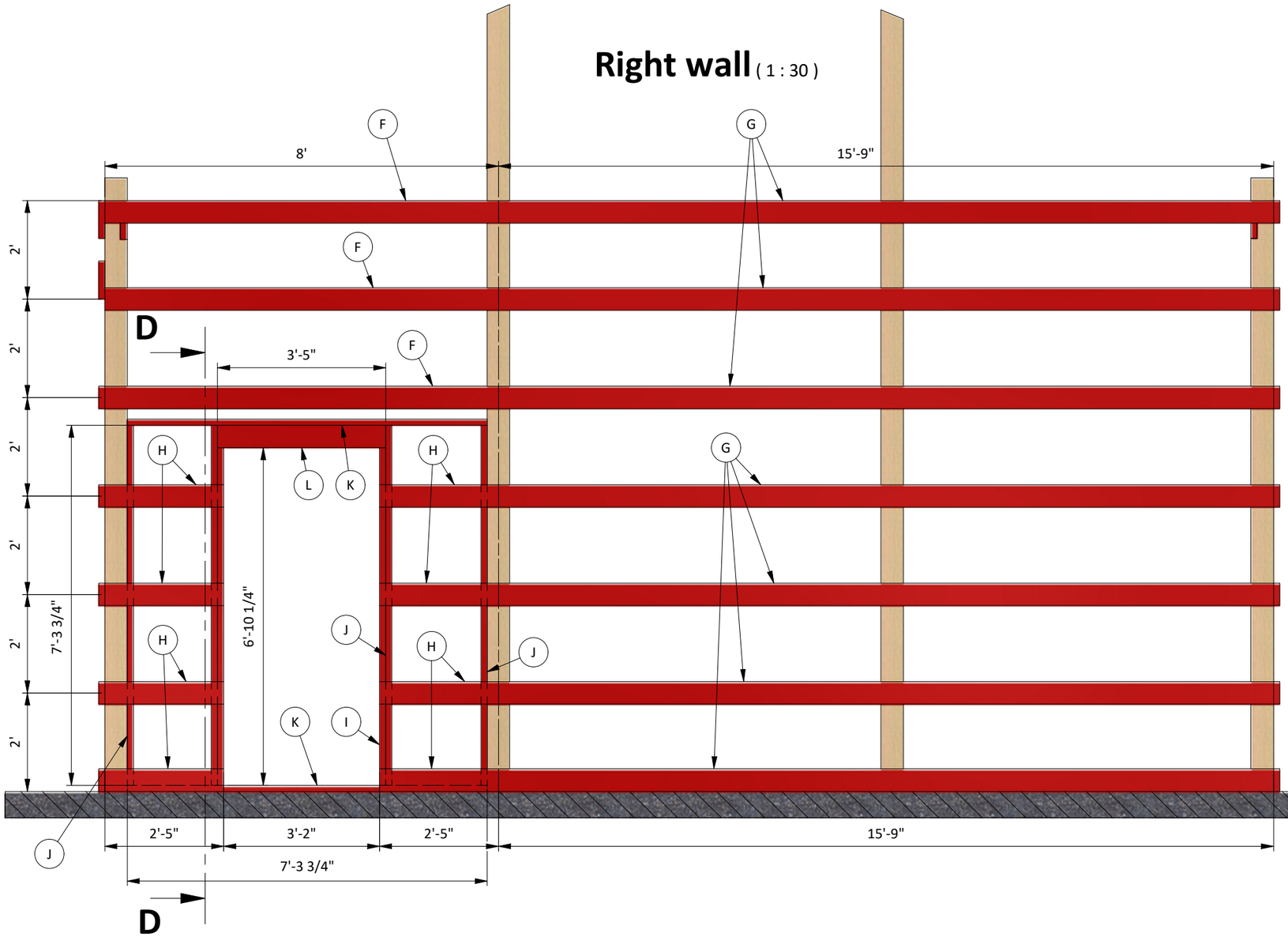



## View A ( 1 : 10 )

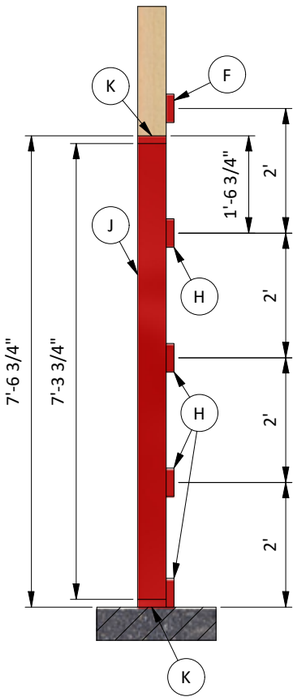


**STEP 3**

## Right wall ( 1 : 30 )

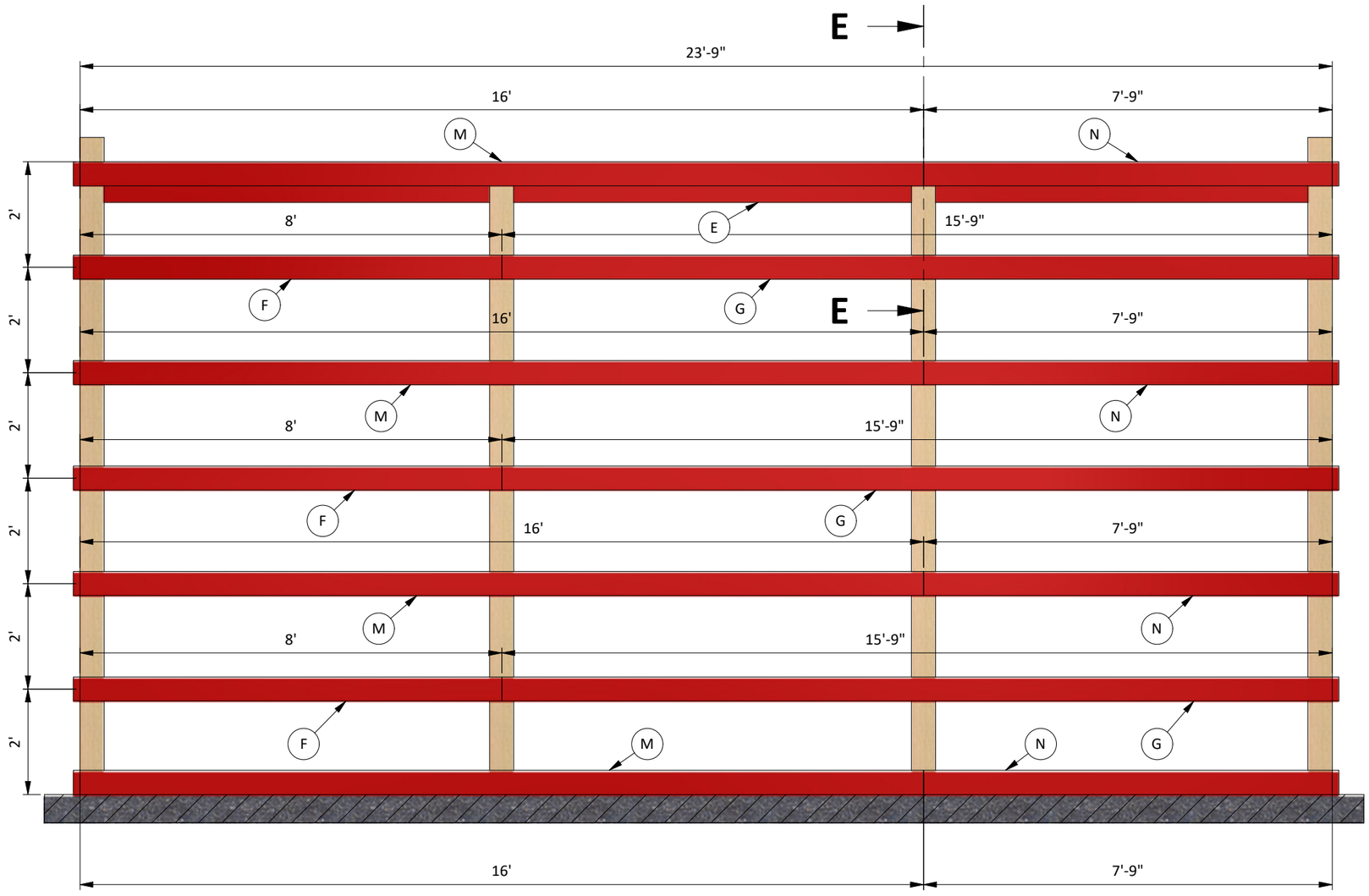



## D-D ( 1 : 30 )

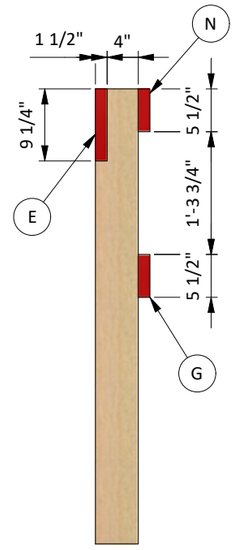


**STEP 3**

## Back wall ( 1 : 30 )

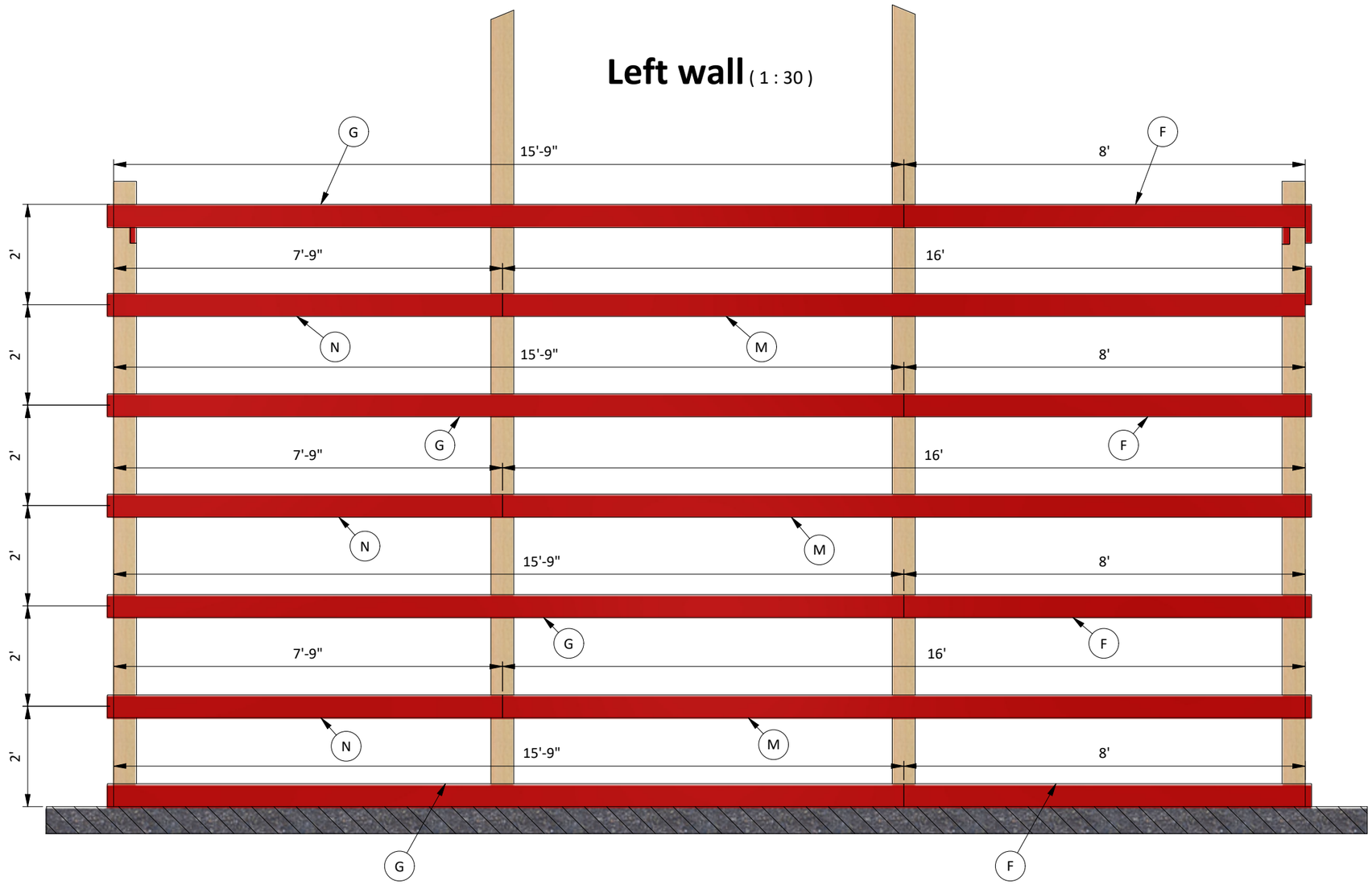



## E-E ( 1 : 20 )



**STEP 3**

## Left wall ( 1 : 30 )



**STEP 4**

# Assemble the Roof Frame

**4.1** Lift onto the roof and install the trusses according to the diagram below. Connect them to the top beams with H16 ties. If necessary use temporary joist for the fixation in vertical position.

**4.2** Using 2x6 lumber prepare and install ridge boards using the drawing below as a reference.
You will need to prepare beams in necessary quantity according to the cutting list below.

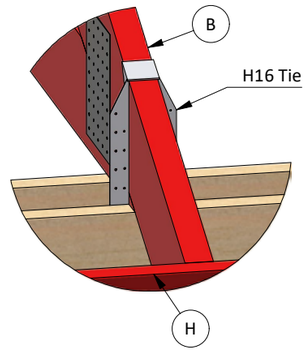
**4.3** Using 2x6 lumber prepare lookouts and overhang rafters and install them from the front and back walls.

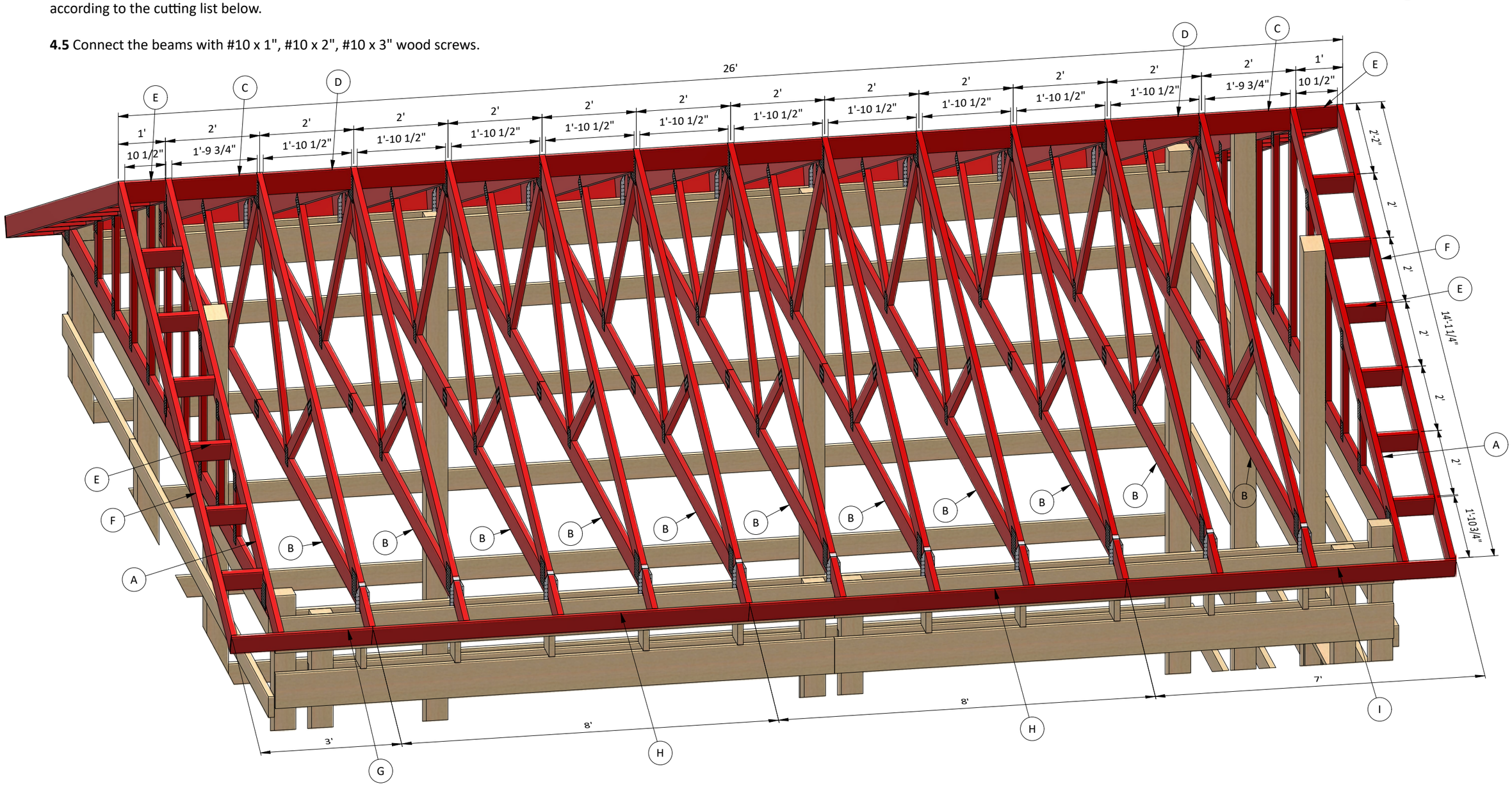
**4.4** Using 1x6 lumber prepare and install fascias. You will need to prepare beams in necessary quantity according to the cutting list below.

**4.5** Connect the beams with #10 x 1", #10 x 2", #10 x 3" wood screws.

| Pos | Description | Material | Dimension | Qty |
|---|---|---|---|---|
| A | End Roof Truss 5/12 Pitch | - | 24' | 2 |
| B | Inner Roof Truss 5/12 Pitch | - | 24' | 11 |
| C | Ridge board | 2x6 | 1'-9 3/4" | 2 |
| D | Ridge board | 2x6 | 1'-10 1/2" | 10 |
| E | Ridge board/Lookout | 2x6 | 10 1/2" | 26 |
| F | Overhang rafter | 2x6 | 14'-1 1/4" | 4 |
| G | Fascia | 1x6 | 3' | 2 |
| H | Fascia | 1x6 | 8' | 4 |
| I | Fascia | 1x6 | 7' | 2 |

**A** ( 1 : 8 )



**STEP 5**

# Assemble and Install Roll-up Doors for the Front Wall

**5.1** Install Guides: Secure vertical tracks to door frame posts, using fasteners.

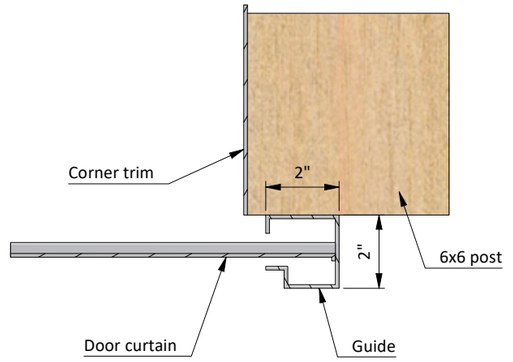
**5.2** Mount Barrel: Lift rolled door above opening, attach brackets to header, ensure barrel rotates inward.

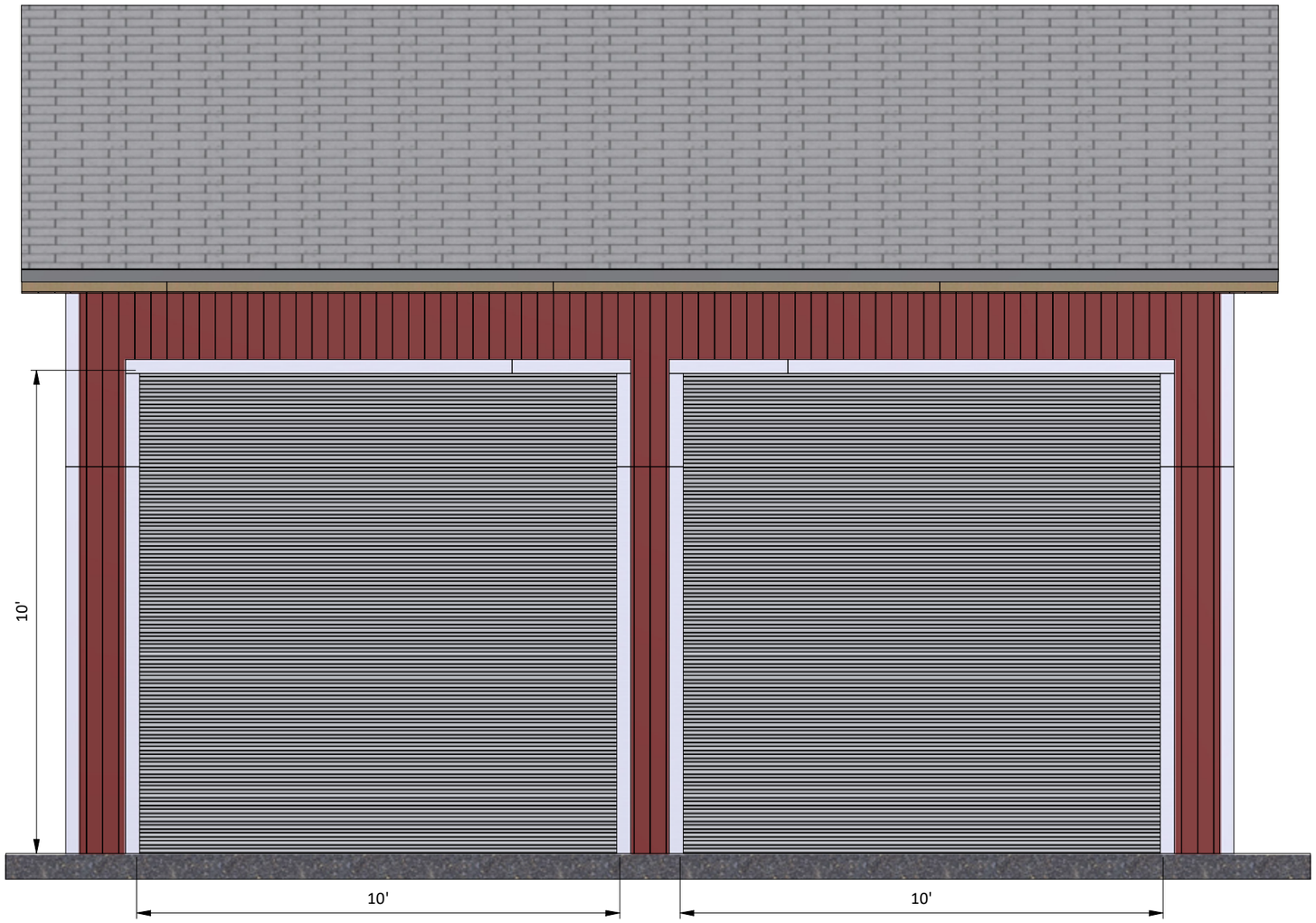
**5.3** Attach Curtain: Hook curtain top to barrel slots, tension springs (1-2 turns), remove wrapping.

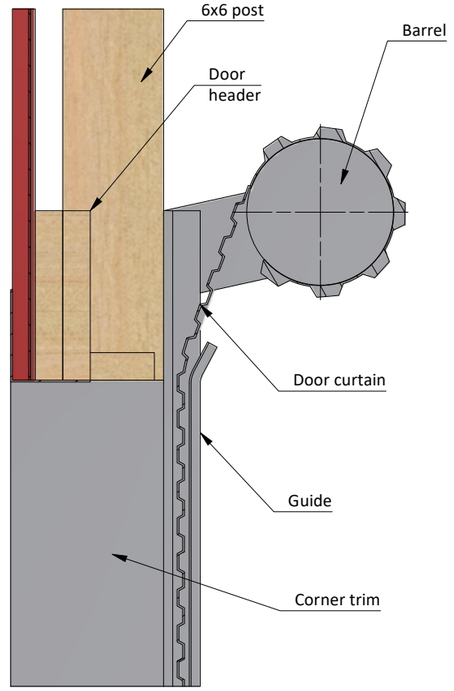
**5.4** Secure Bottom Bar: Lower door into guides, install stops, locks, handles with provided bolts.

**5.5** Counterweights/Motor: Add counterweights or mount motor per manual. Ensure smooth operation.

**5.6** Test: Raise/lower door, check for smooth travel, adjust tension if needed.



**STEP 6**

# Assemble and Install Barn Side Door

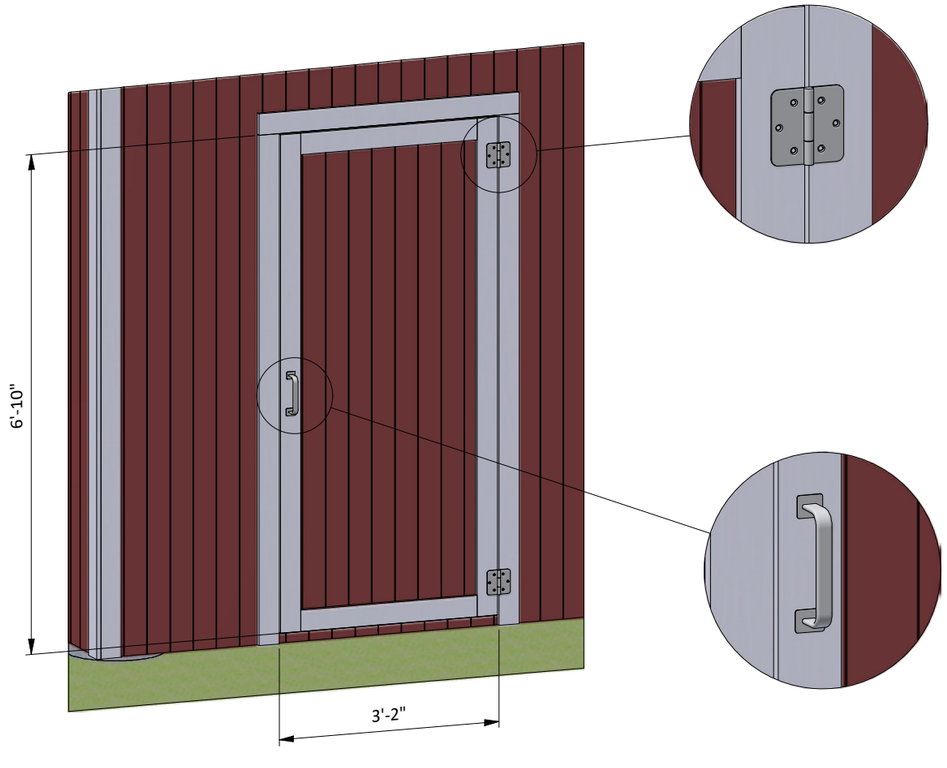
**6.1** Build the door frame using 2x4 lumber. You will need two boards cut to 6'-9 3/4" that will be the vertical girts, three boards cut to 2'-6 1/2" that will be the horizontal girts and two boards cut to 3'-10 3/4" that will be the cross braces.

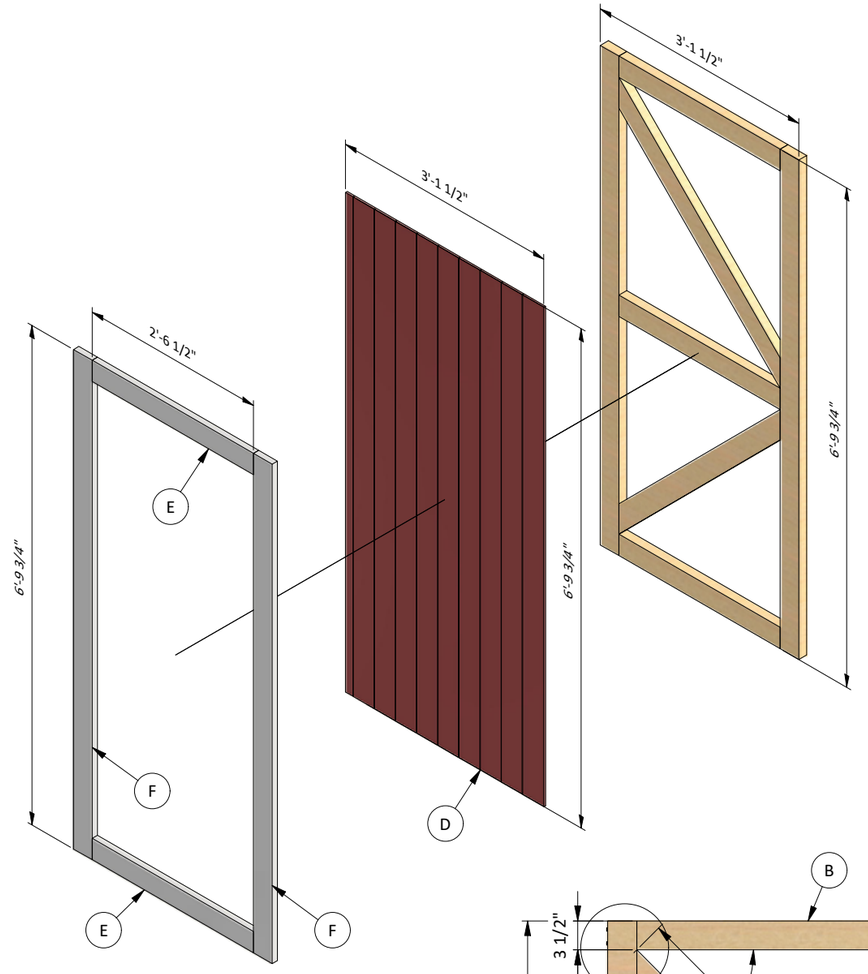
**6.2** Prepare the 11/32" plywood siding for outer sheathing.
You will need to cut one 3'-1 1/2" x 6'-9 3/4" sheet for the door according to the drawing.

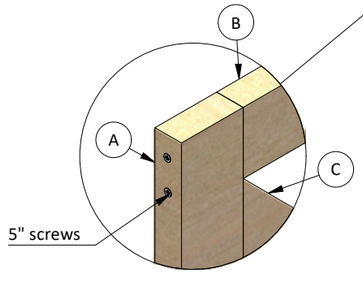
**6.3** Using 1x4 lumber, prepare trims and install with 2" wood screws to the walls.
You will need to prepare boards in necessary quantity according to the cutting list below.

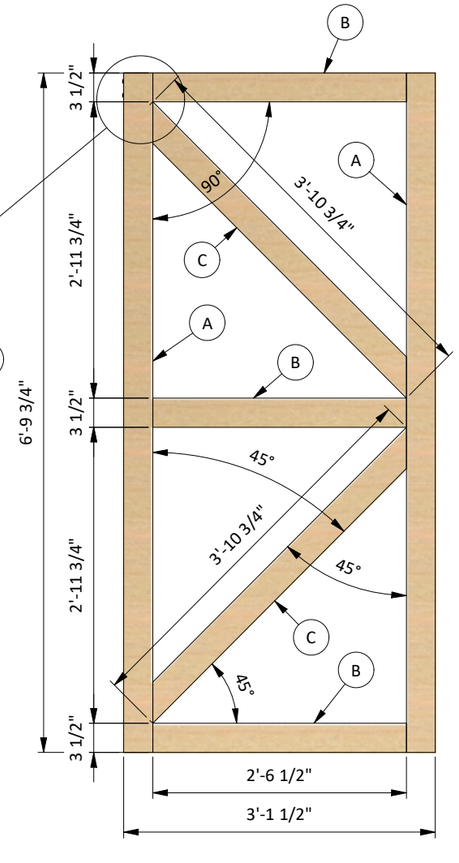
**6.4** Install two 4" door hinges using 1" wood screws. Finish the door installation by attaching two 6" door pull.

| Pos | Description | Material | Dimension | Qty |
|---|---|---|---|---|
| A | Girt | 2x4 | 6'-9 3/4" | 2 |
| B | Girt | 2x4 | 2'-6 1/2" | 3 |
| C | Cross brace | 2x4 | 3'-10 3/4" | 2 |
| D | Door sheathing | 11/32" plywood | 3'-1 1/2" x 6'-9 3/4" | 1 |
| E | Door trim | 1x4 | 2'-6 1/2" | 2 |
| F | Door trim | 1x4 | 6'-9 3/4" | 2 |



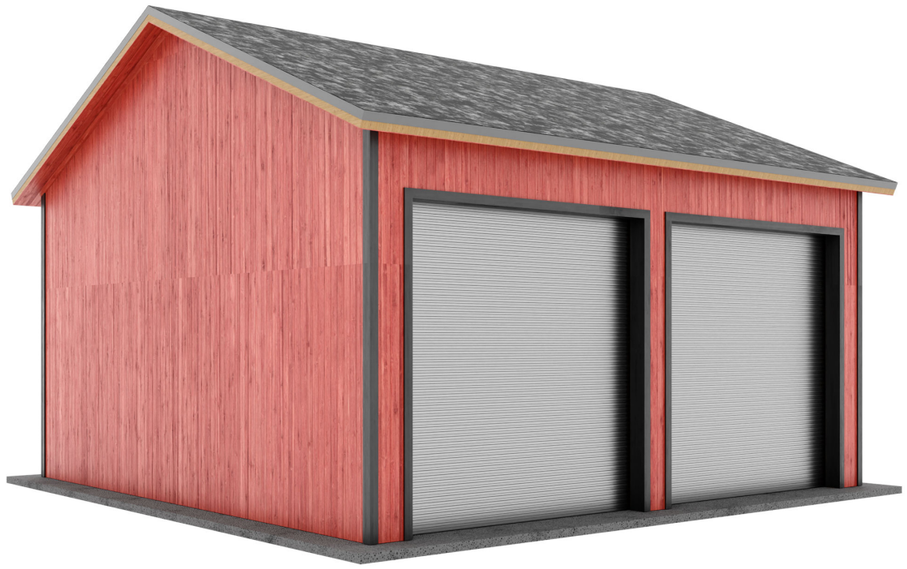



**STEP 7**

## Final Touches

Now that your pole barn is all done, you are ready to decorate it any way you want using your favorite paint, stain, or preservative.



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