



**Free 30' x 50' 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	8	9
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	✓

[Try Premium Risk-Free](#)

60-day refund policy with no questions asked.

### 30' x 50' Pole barn shopping list

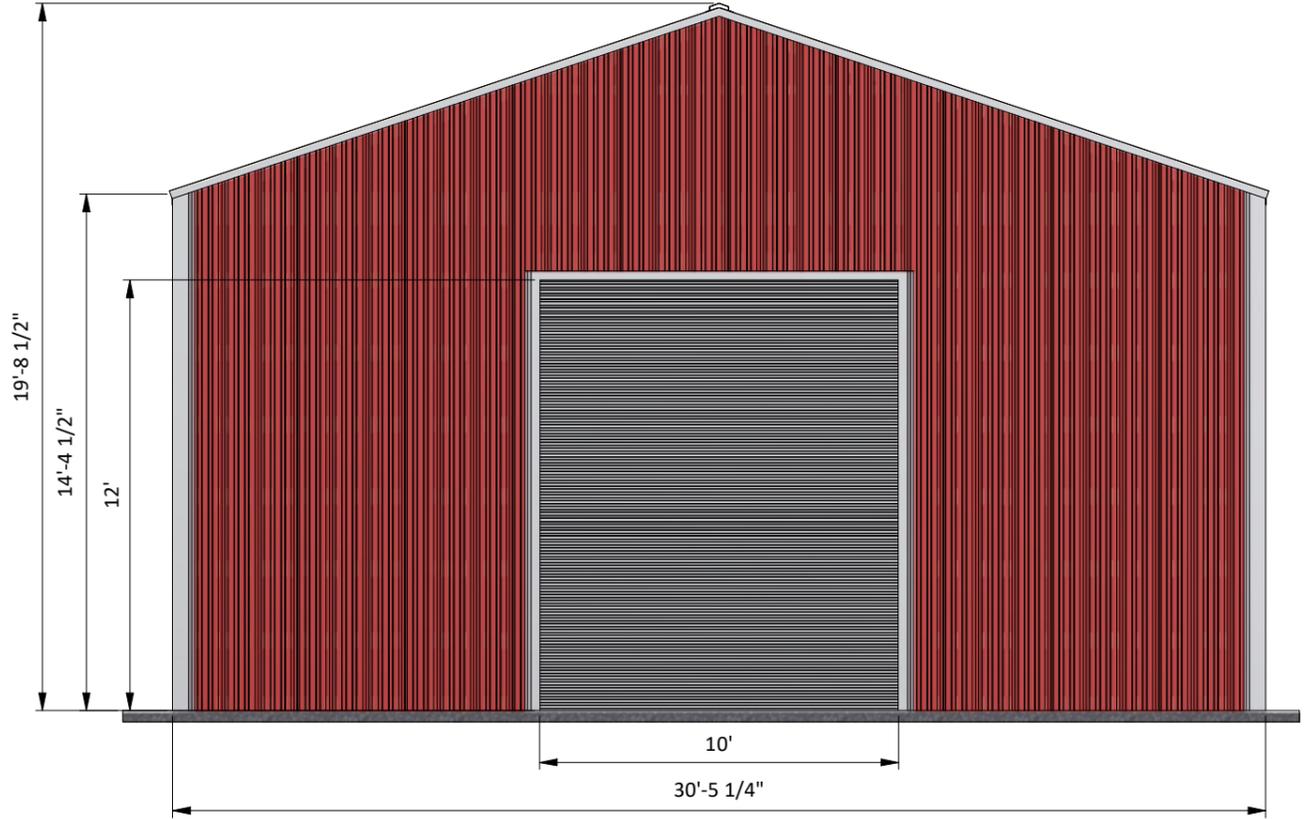
Material	Unit	Qty	Size
Lumber (2 x 4)	pcs	2	10'
Lumber (2 x 6)	pcs	31	8'
Lumber (2 x 6)	pcs	125	10'
Lumber (2 x 6)	pcs	2	12'
Lumber (2 x 6)	pcs	40	20'
Lumber (2 x 10)	pcs	2	10'
Lumber (2 x 10)	pcs	2	12'
Pressure Treated Lumber (6 x 6)	pcs	12	8'
Pressure Treated Lumber (6 x 6)	pcs	4	22'

# Size & Dimensions

front



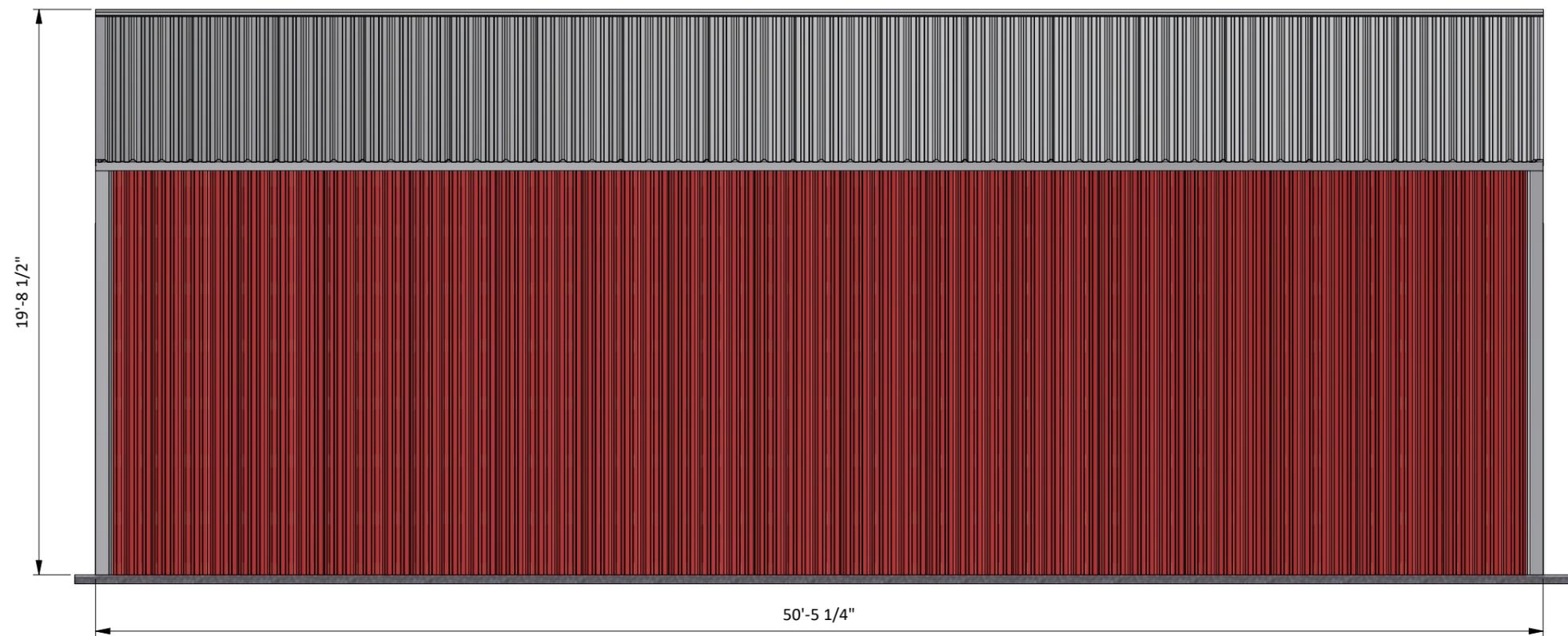
back



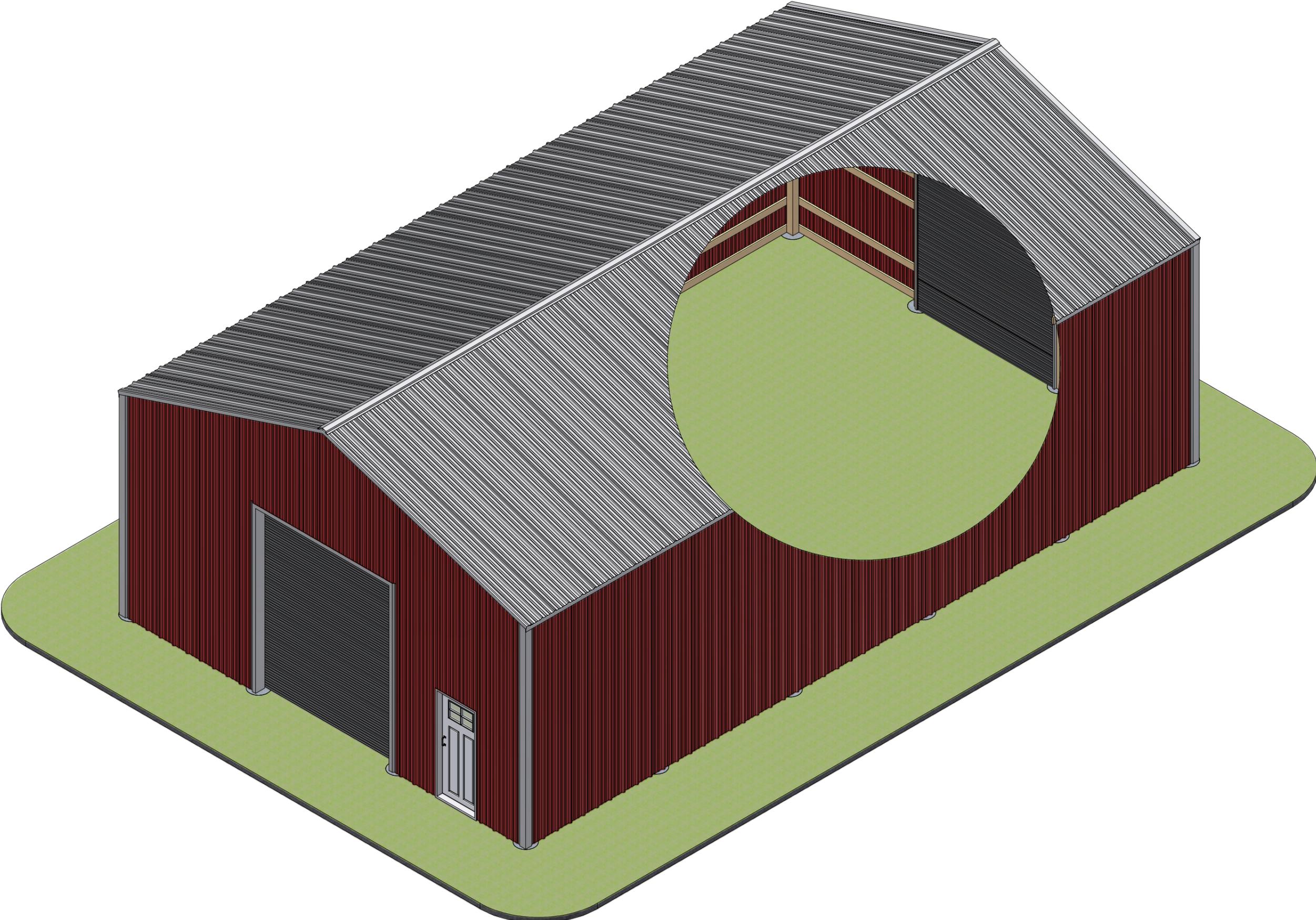
left



right



**Interior view**

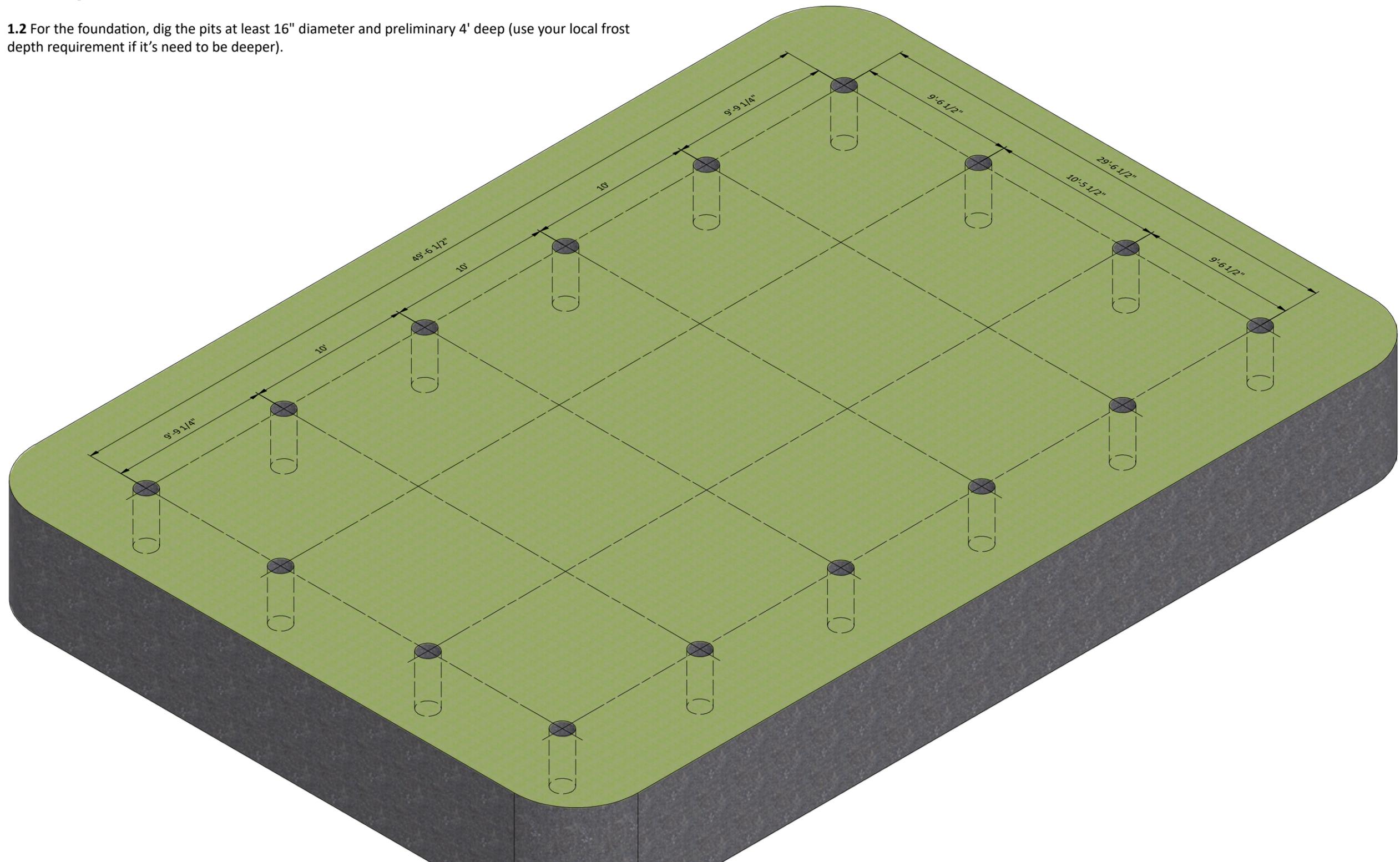


## STEP 1

### 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 least 16" diameter and preliminary 4' deep (use your local frost depth requirement if it's need to be deeper).



## STEP 2

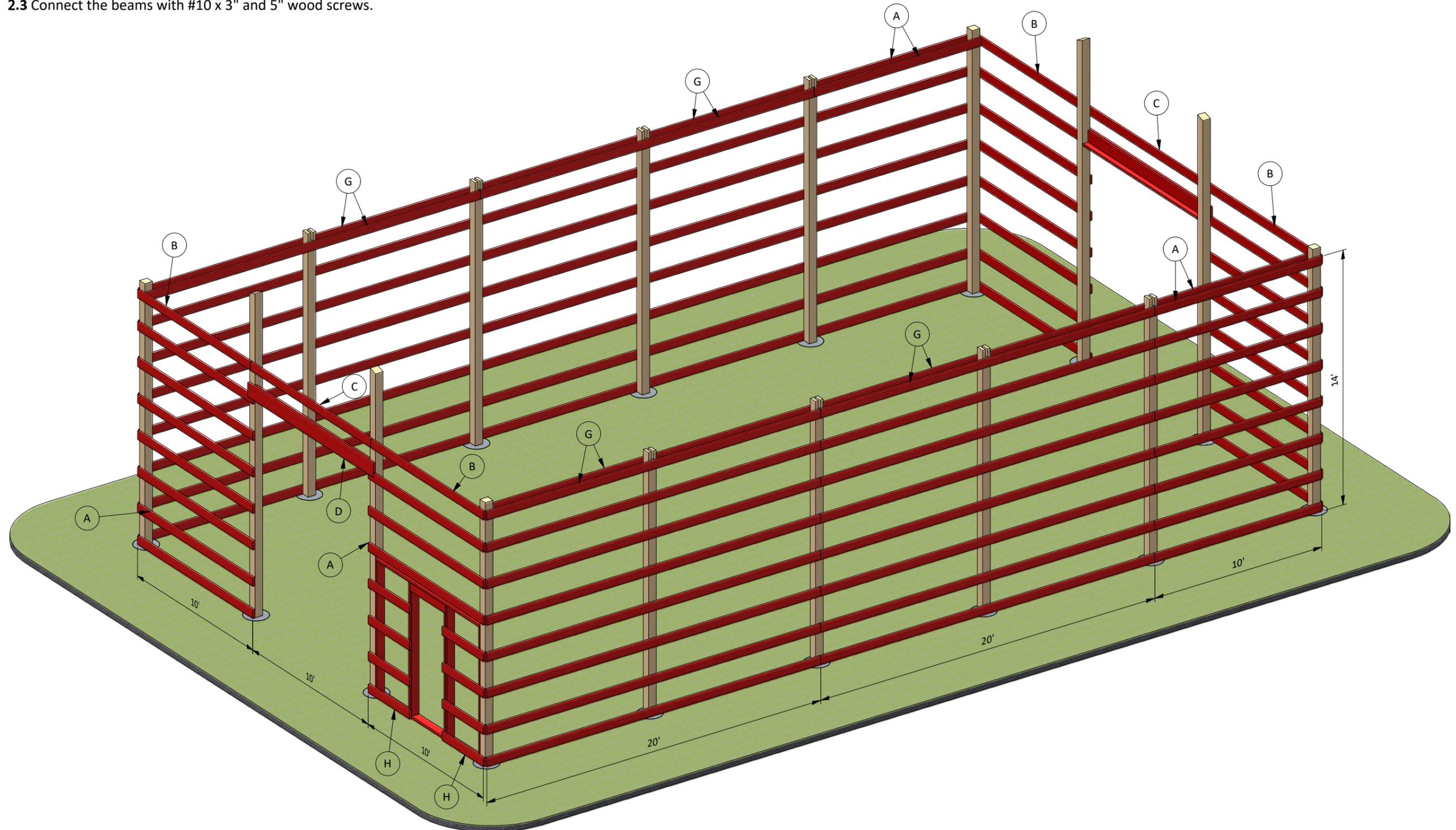
### Wall Framing

2.1 Using 2x6 lumber construct wall frames using the drawing below as a reference. You will need to prepare beams in necessary quantity according to the cutting list below.

2.2 Using 2x4, 2x10 beams construct the door header for the front and back walls according to the drawings on the next page.

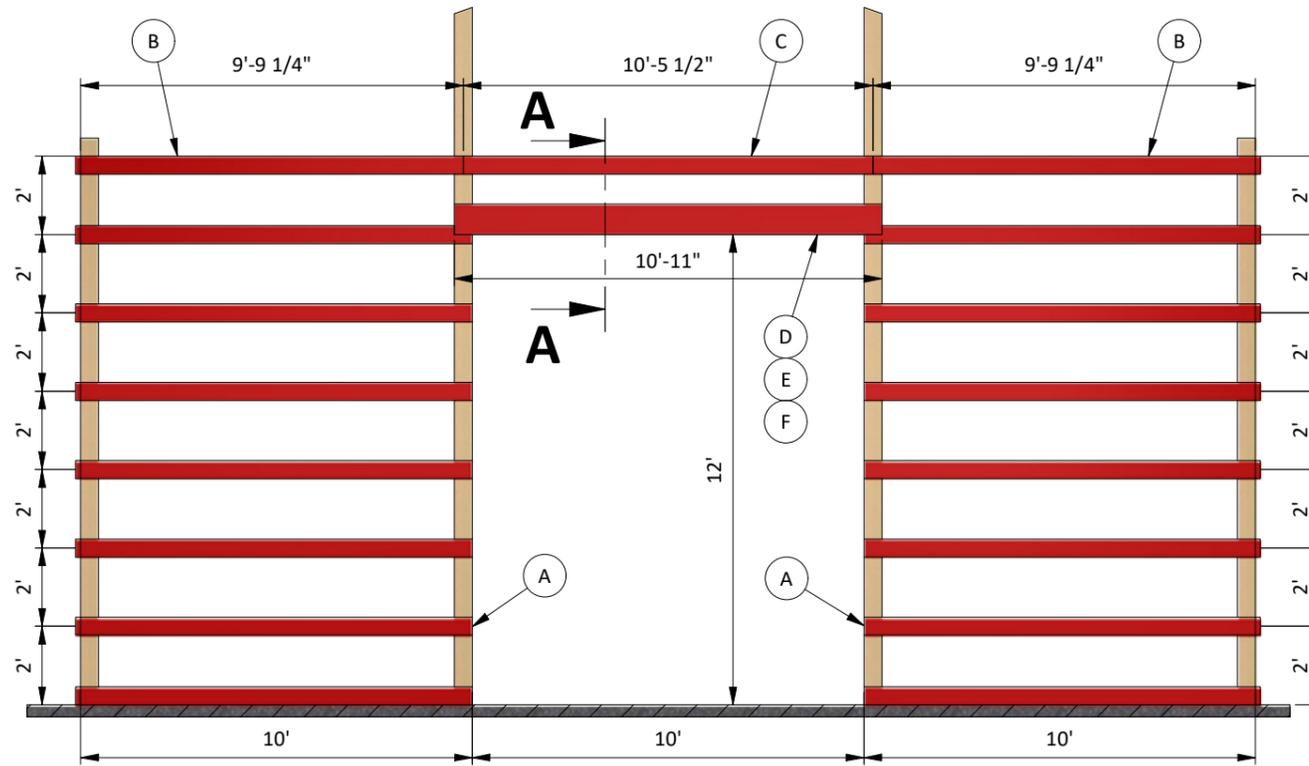
2.3 Connect the beams with #10 x 3" and 5" wood screws.

Pos	Description	Material	Dimension	Qty	Pos	Description	Material	Dimension	Qty
A	Wall joist	2x6	10'	42	H	Wall joist	2x6	3'-7"	8
B	Wall joist	2x6	9'-9 1/4"	4	I	Stud	2x6	7'-3 1/2"	4
C	Wall joist	2x6	10'-5 1/2"	2	J	Stud	2x6	6'-10"	2
D	Door header	2x10	10'-11"	2	K	Top/bottom beam	2x6	9'-1"	2
E	Door header	2x10	10'	2	L	Door header	2x6	3'-1"	2
F	Door header	2x4	10'	2					
G	Wall joist	2x6	20'	36					

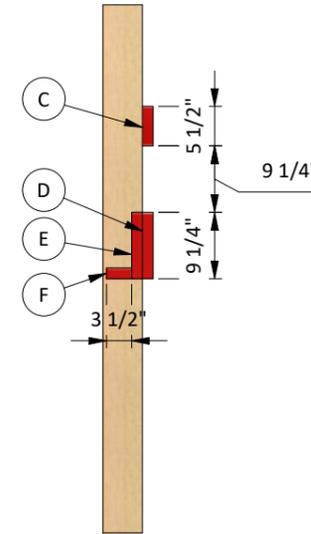


**STEP 3**

**Back wall (1:55)**



**A-A (1:25)**

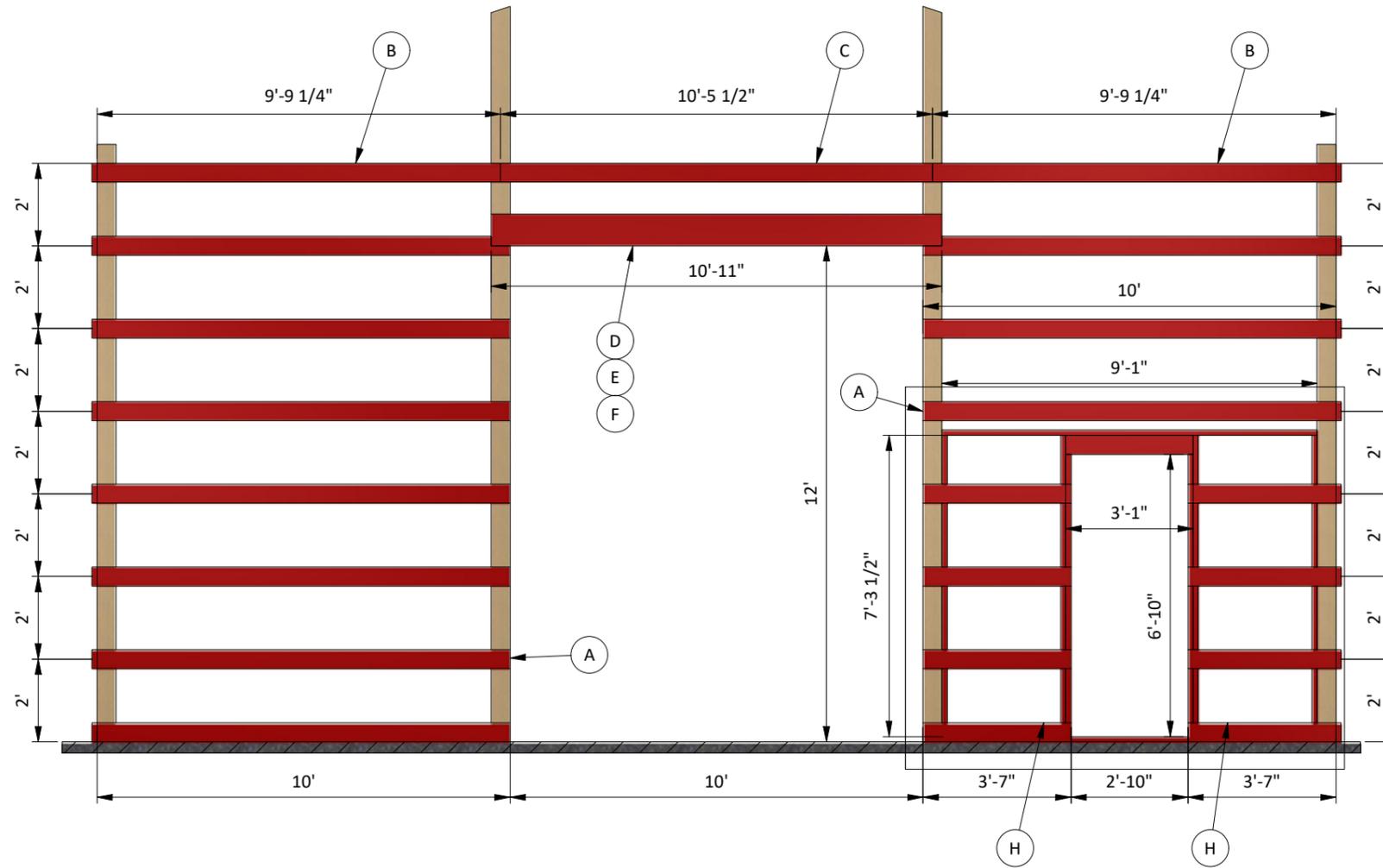


**Side wall (1:55)**



STEP 3

### Front wall (1 : 45)

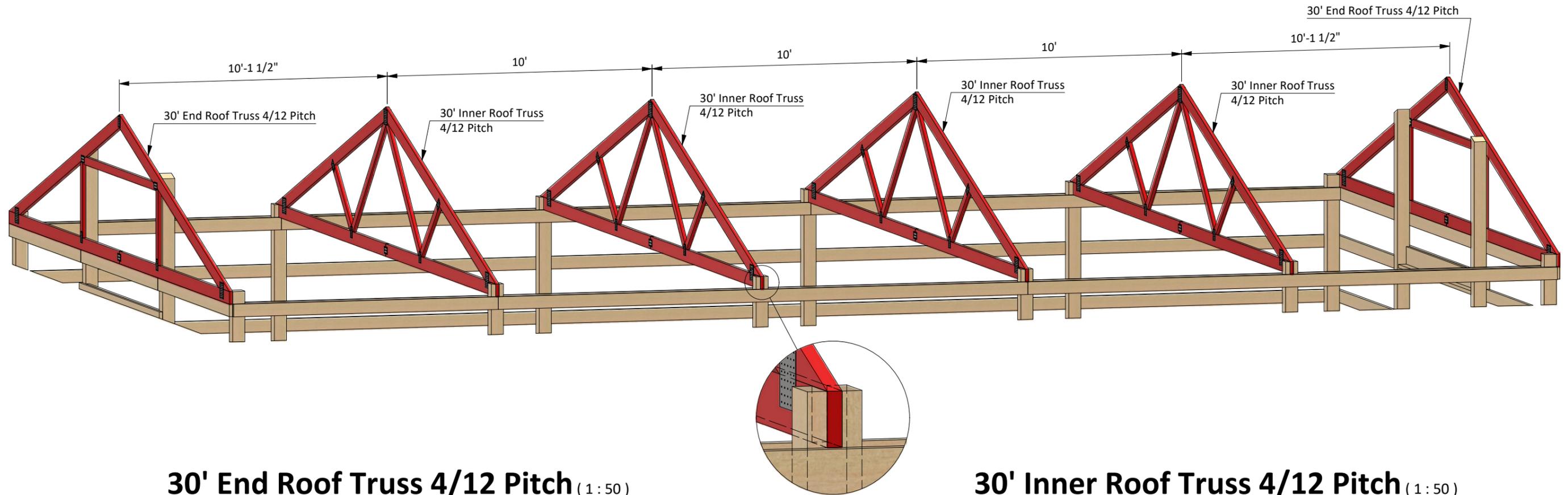


**STEP 4**

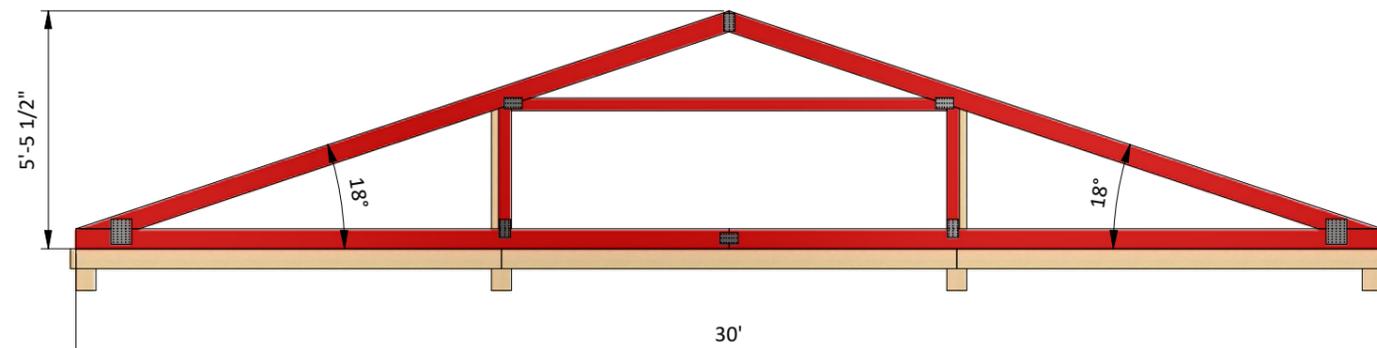
**Assemble the Roof Frame**

4.1 Lift onto the roof and install the trusses according to the diagram below. Connect them to the posts with #10 x 3" and #10 x 5" wood screws. If necessary use temporary joist for the fixation in vertical position.

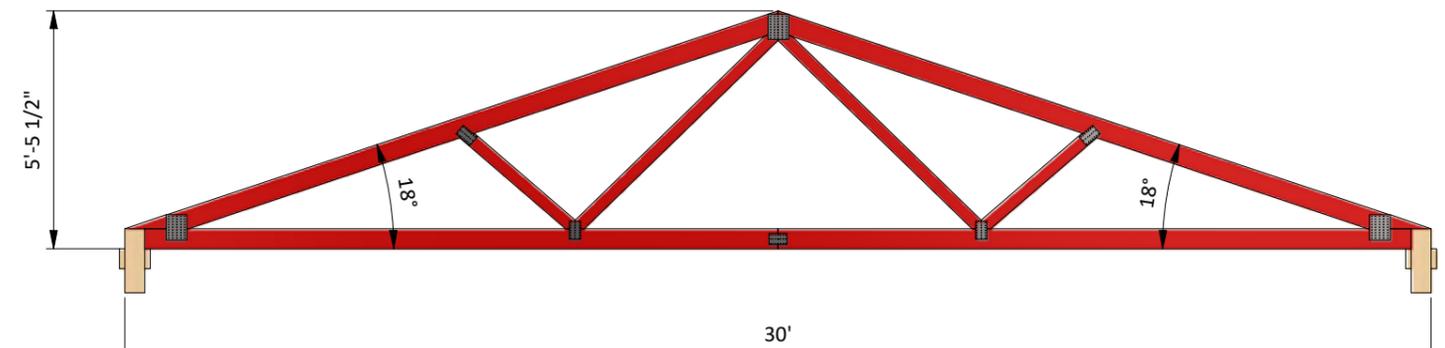
Pos	Description	Material	Dimension	Qty
A	End Roof Truss 4/12 Pitch	-	30'	2
B	Inner Roof Truss 4/12 Pitch	-	30'	4



**30' End Roof Truss 4/12 Pitch (1:50)**



**30' Inner Roof Truss 4/12 Pitch (1:50)**



**STEP 5**

**Wall Sheathing Installation**

5.1 Install the corrugated metal wall panels to the wall frames, you will need 2300 square feet.

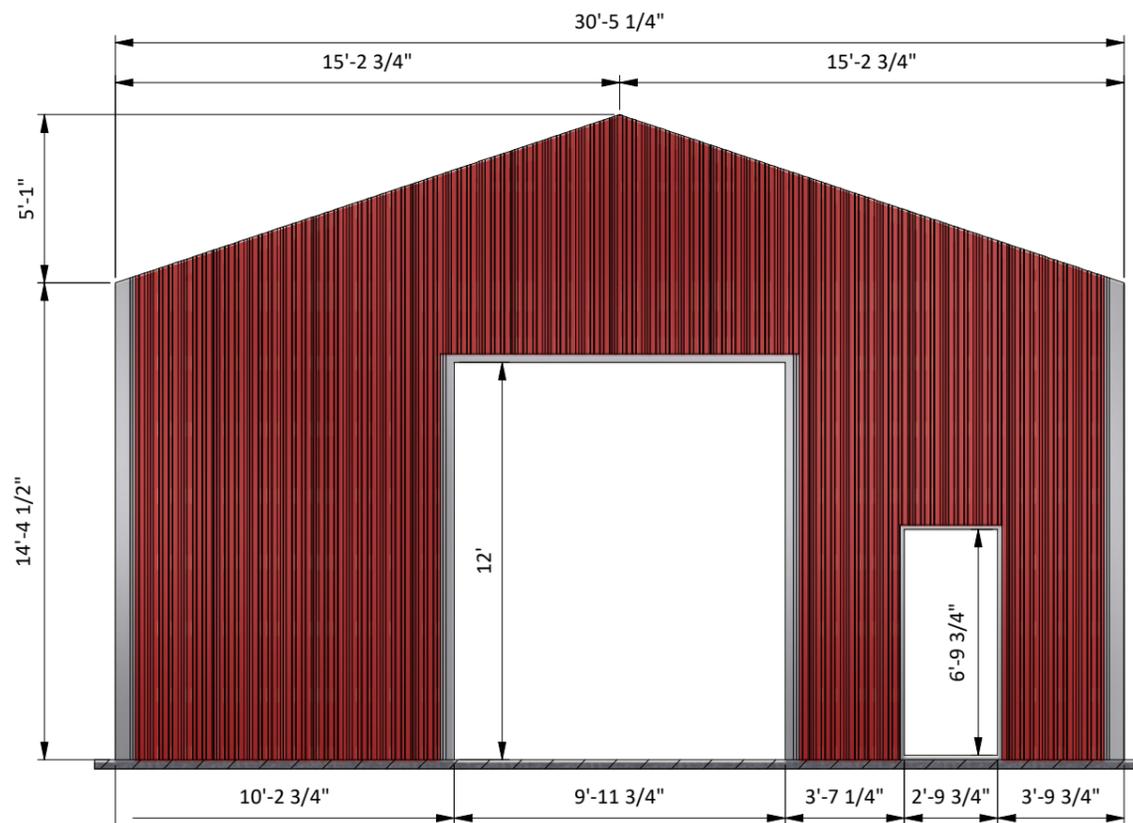
5.2 Cover the corners and door openings with metal trims.

5.3 Secure all elements with #9 x 1-1/2" and #9 x 2 1/2" screws.

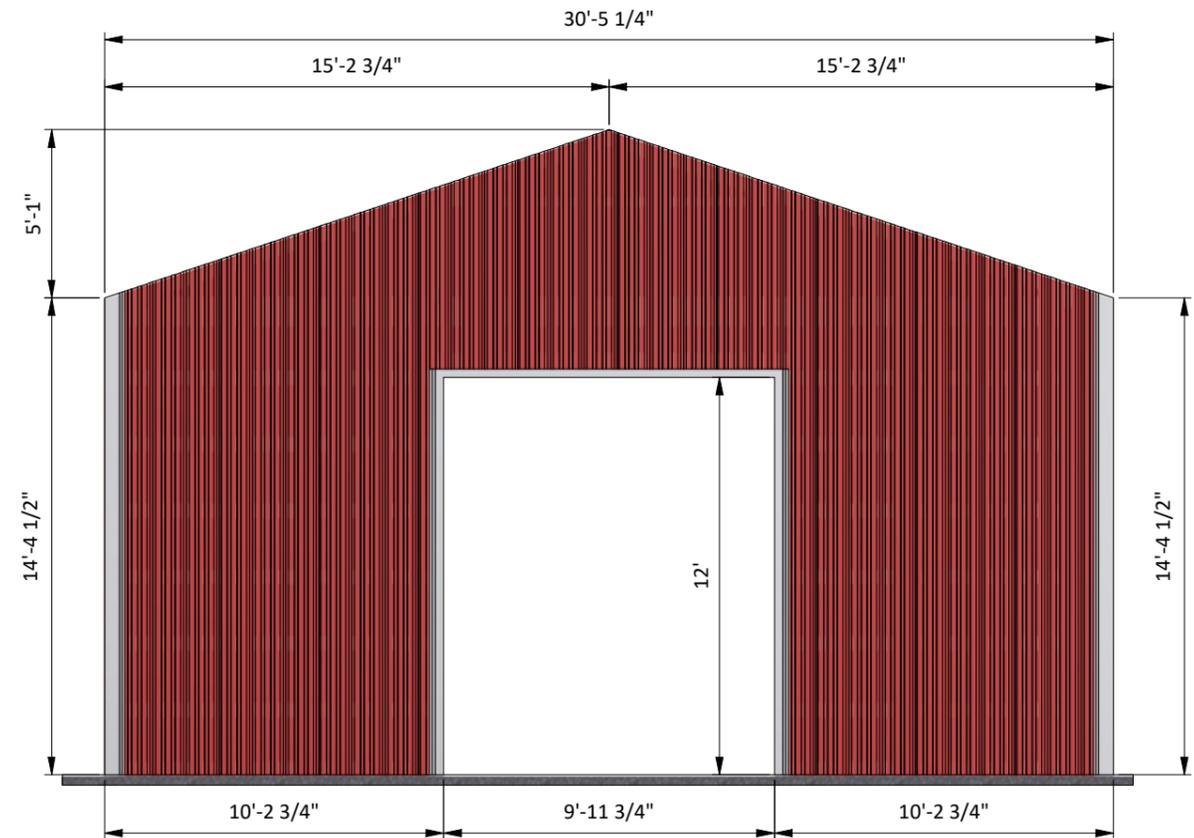
**Side wall** (1 : 65)



**Front wall** (1 : 65)



**Back wall** (1 : 65)



## STEP 6

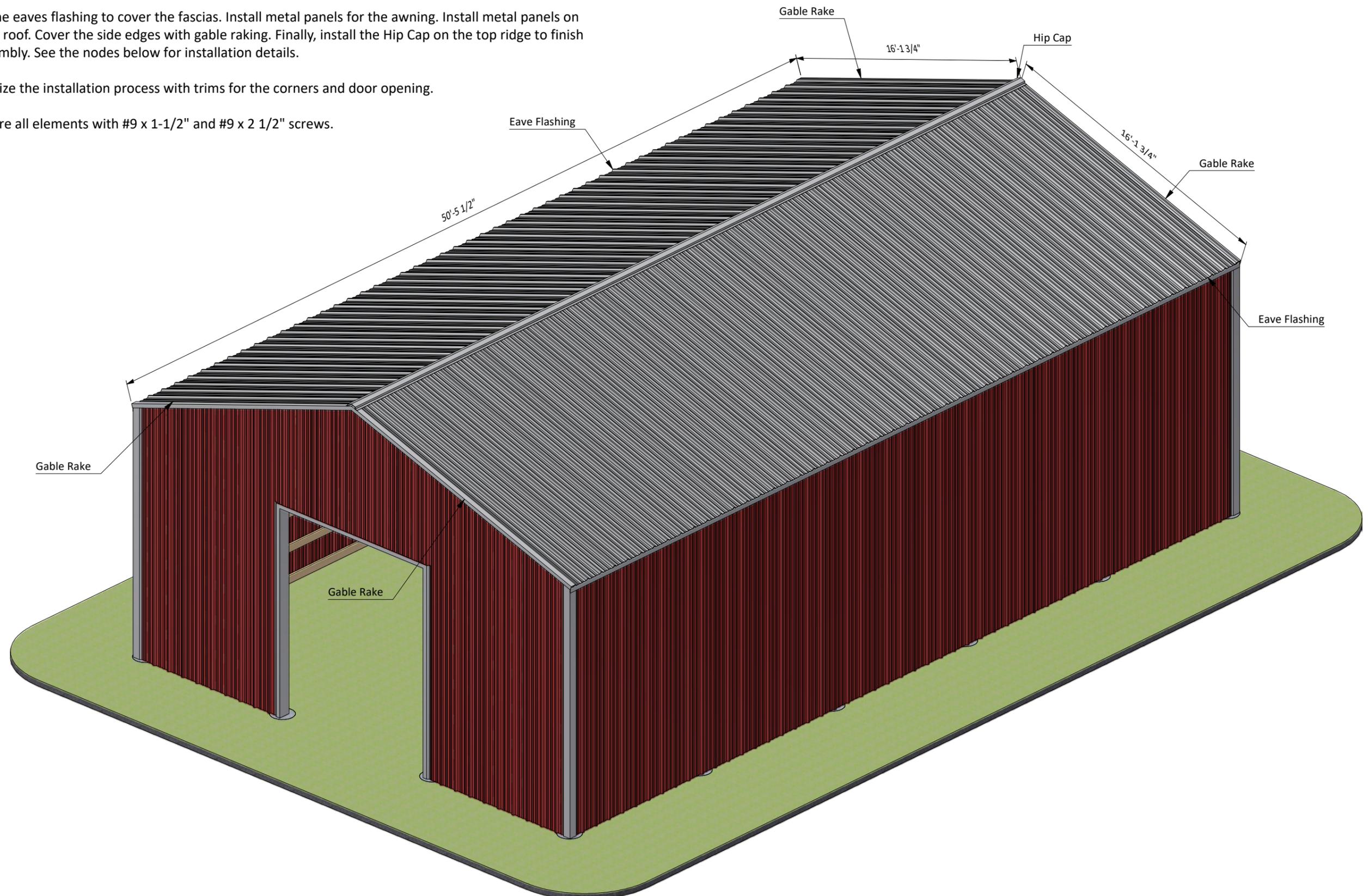
### Roof Sheathing Installation

6.1 Assemble the corrugated metal roof panels, you will need 1650 square feet.

6.2 Fit the eaves flashing to cover the fascias. Install metal panels for the awning. Install metal panels on the barn roof. Cover the side edges with gable raking. Finally, install the Hip Cap on the top ridge to finish the assembly. See the nodes below for installation details.

6.3 Finalize the installation process with trims for the corners and door opening.

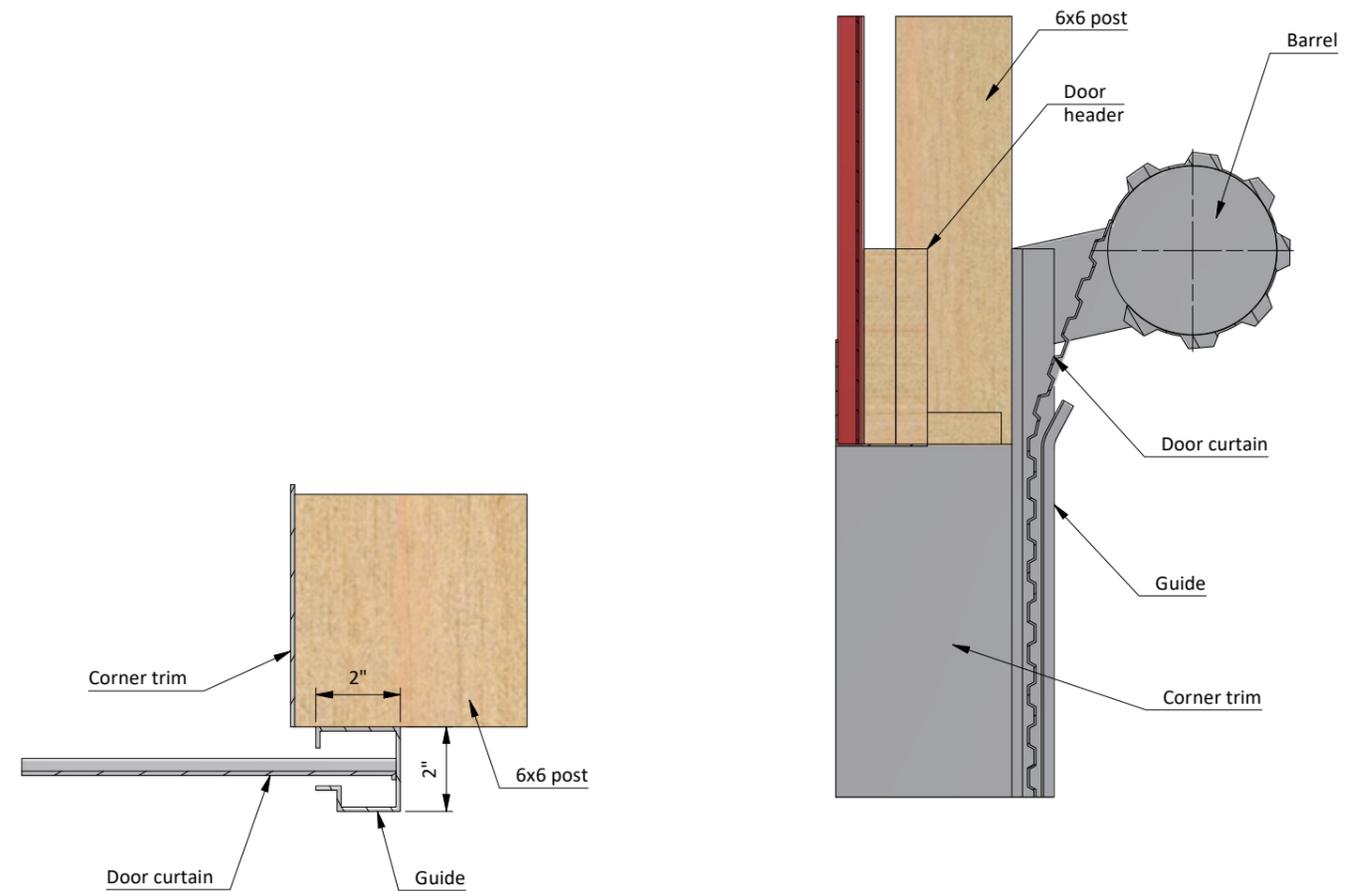
6.4 Secure all elements with #9 x 1-1/2" and #9 x 2 1/2" screws.



## STEP 7

### Assemble and Install Roll-up Doors for the Front and Back Walls

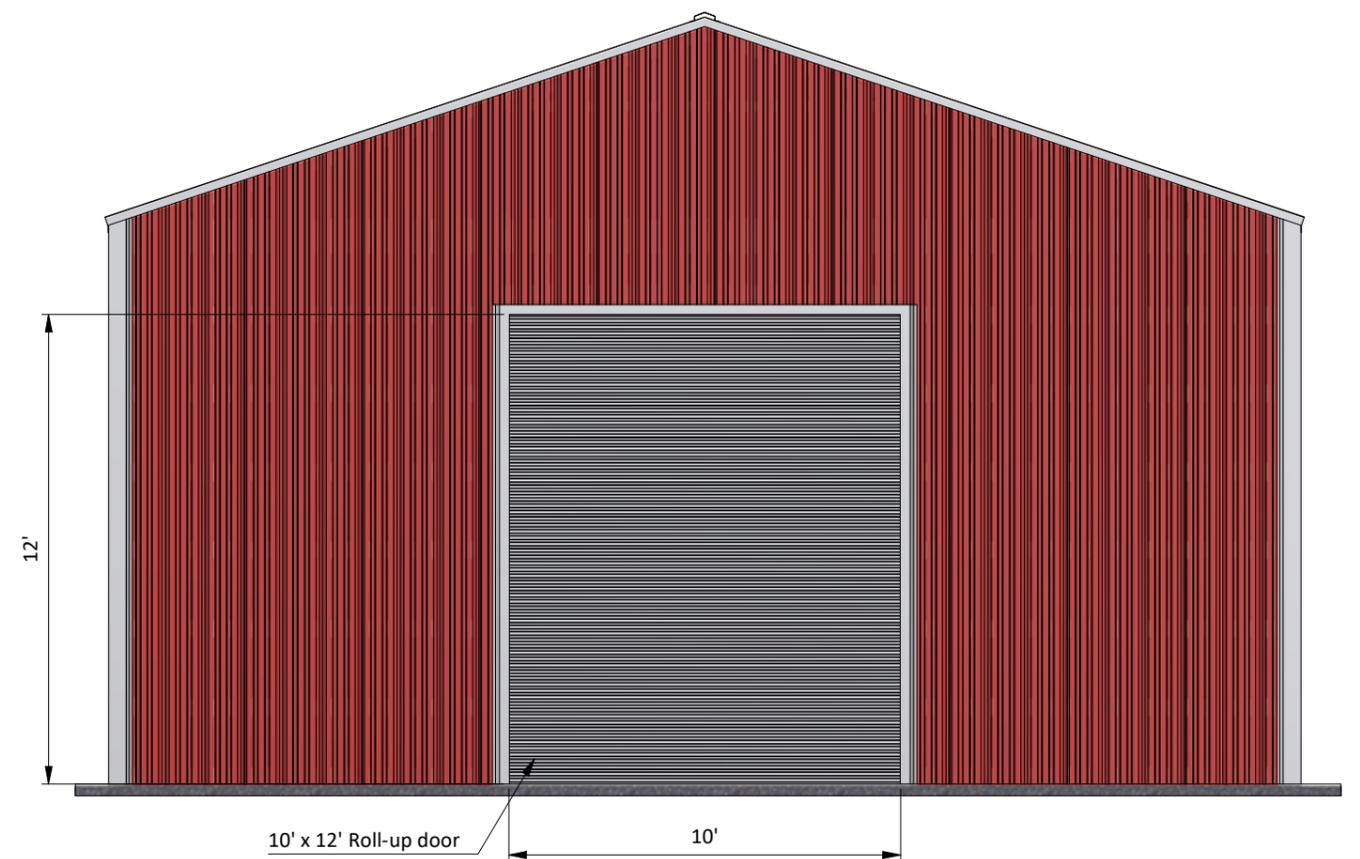
- 7.1 Install Guides: Secure vertical tracks to door frame posts, using fasteners.
- 7.2 Mount Barrel: Lift rolled door above opening, attach brackets to header, ensure barrel rotates inward.
- 7.3 Attach Curtain: Hook curtain top to barrel slots, tension springs (1-2 turns), remove wrapping.
- 7.4 Secure Bottom Bar: Lower door into guides, install stops, locks, handles with provided bolts.
- 7.5 Counterweights/Motor: Add counterweights or mount motor per manual. Ensure smooth operation.
- 7.6 Test: Raise/lower door, check for smooth travel, adjust tension if needed.



Front wall (1 : 55)



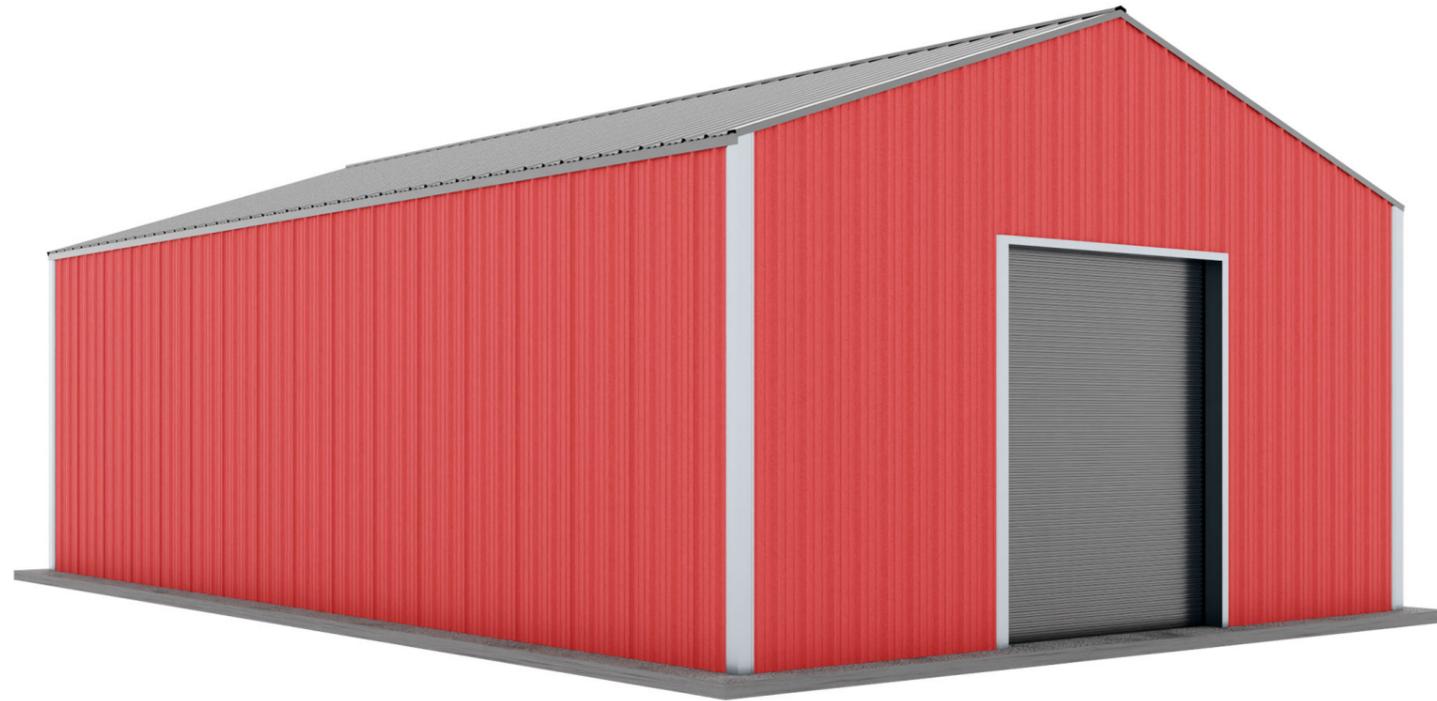
Back wall (1 : 55)



## STEP 8

### 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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Additional Blueprints	X	✓
Tools List	X	✓
Fastening Elements List	X	✓
Technical Support	X	✓

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