



Free 12' x 20' Greenhouse 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
Metric measurements	X	✓
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](#)

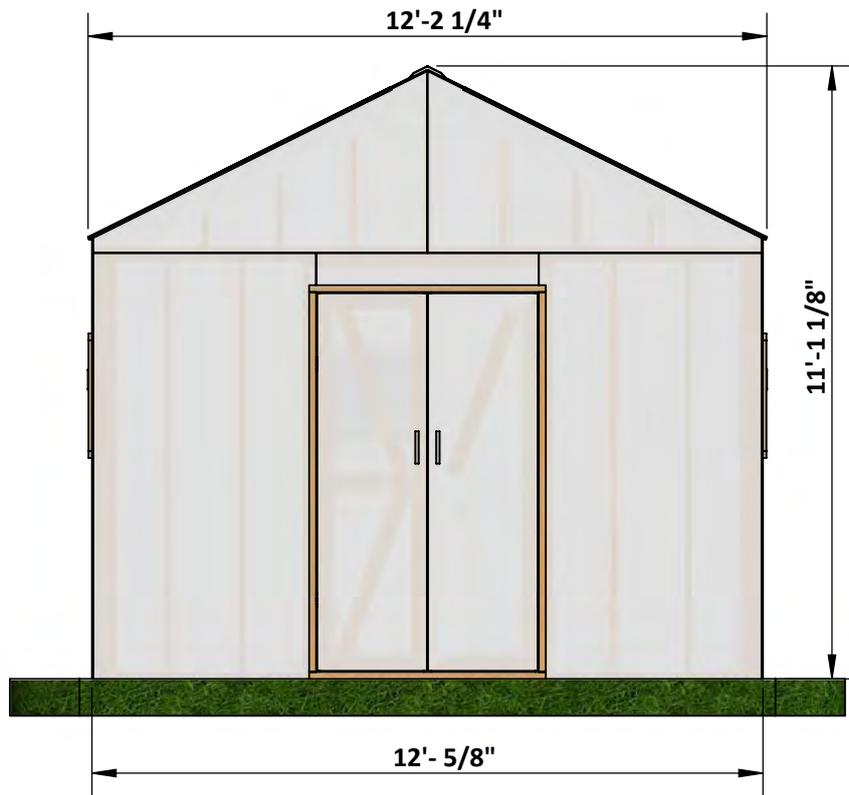
30-day refund policy with no questions asked.

12' x 20' Greenhouse Shopping List

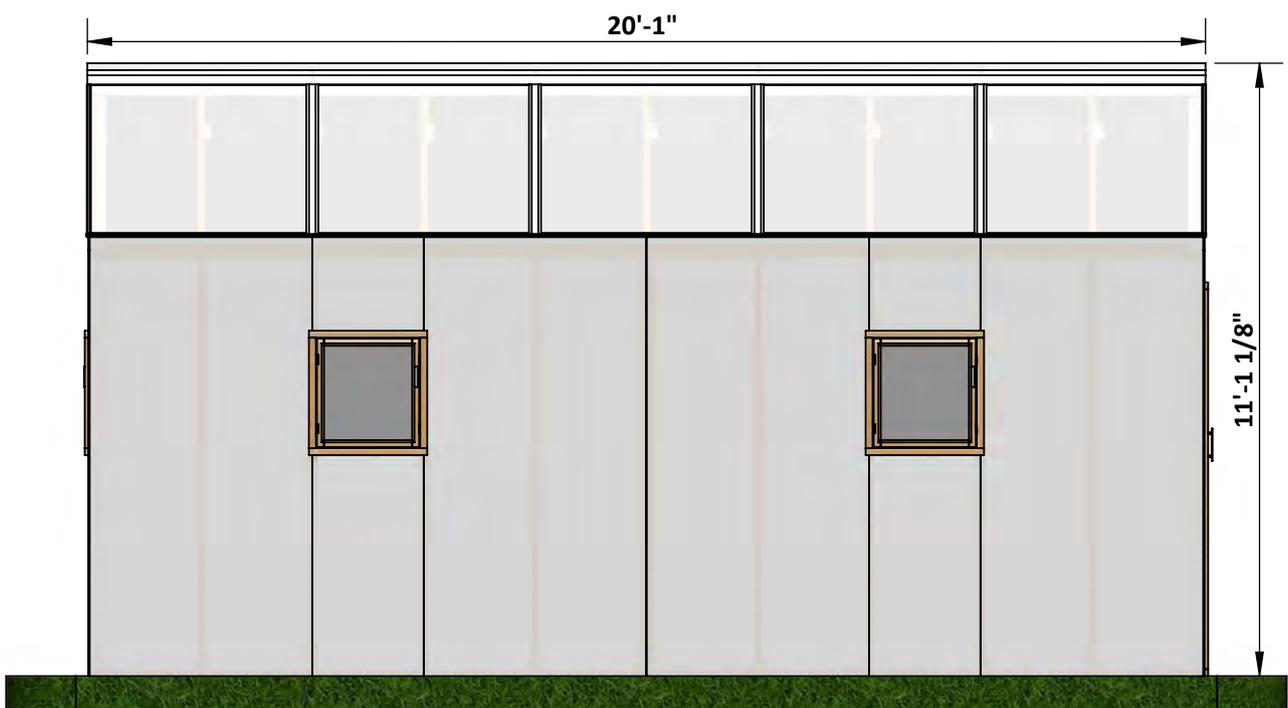
Materials	Unit	Qty	Size
Lumber (4 x 4)	Pcs	4	8'
Lumber (2 x 6)	Pcs	26	8'
Lumber (2 x 4)	Pcs	4	12'
Lumber (2 x 4)	Pcs	12	10'
Lumber (2 x 4)	Pcs	50	8'
Lumber (2 x 4)	Pcs	14	6'
Lumber (2 x 2)	Pcs	4	10'
Lumber (1 x 2)	Pcs	7	8'
Polycarbonate 5/16	Pcs	30	8' x 4'
Polycarbonate 1/8 H channel	ft	1	50'
Polycarbonate 1/8 U channel	ft	1	70'
Polycarbonate 1/8 ridge cap	ft	1	20'-1"

Size & Dimensions

Front

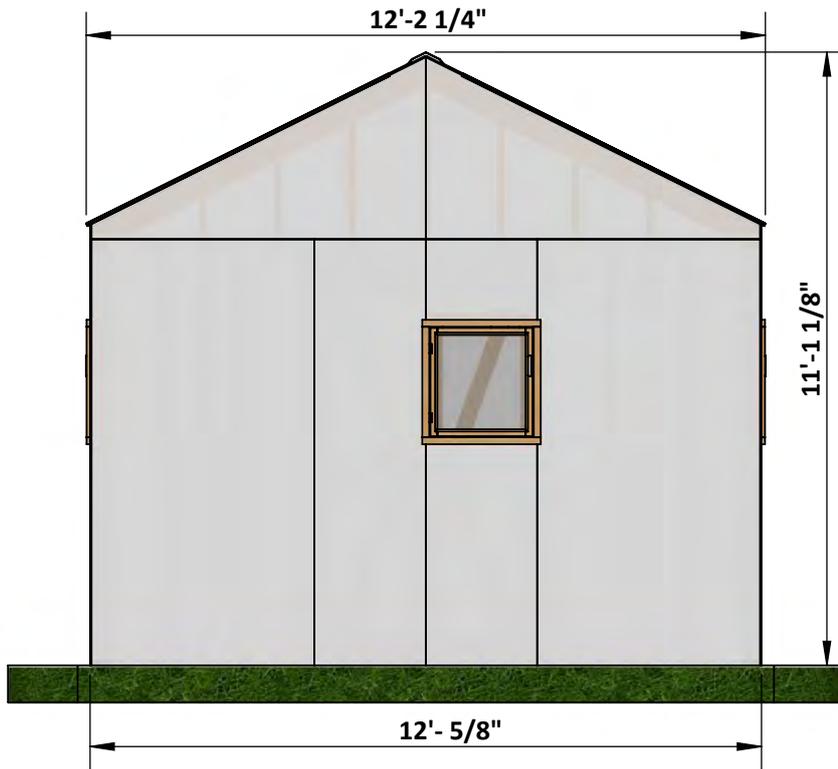


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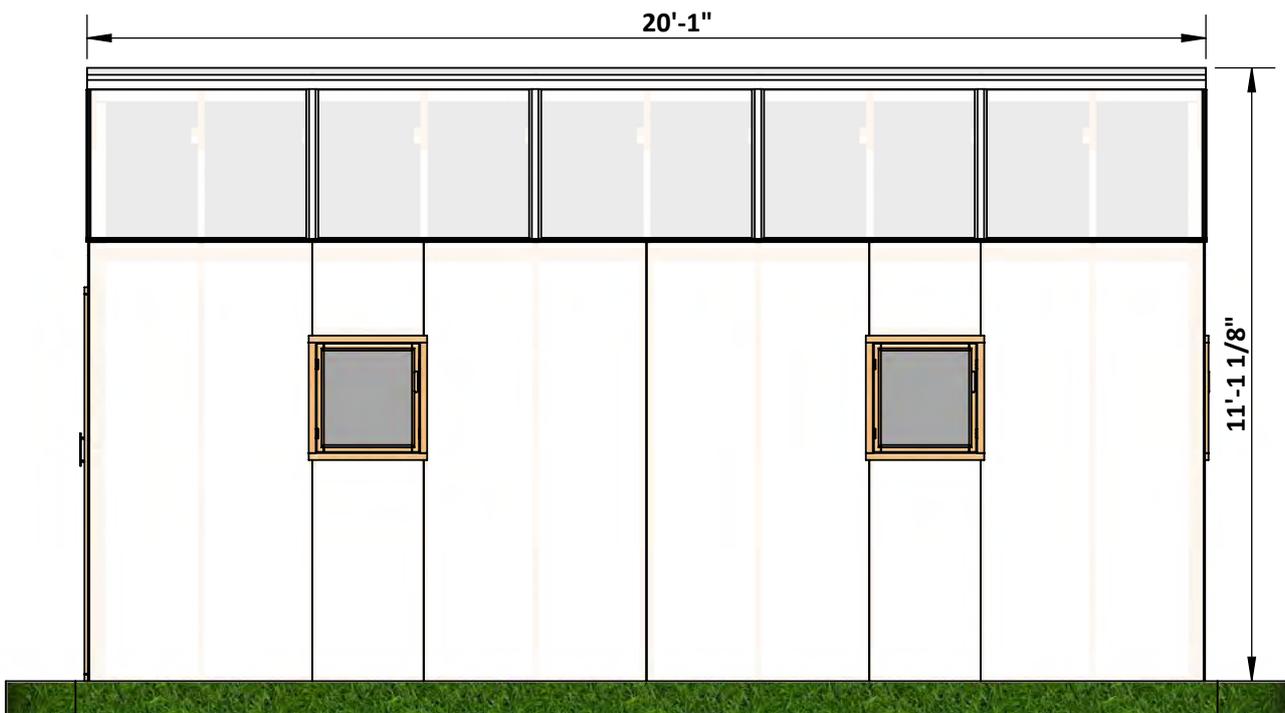


Size & Dimensions

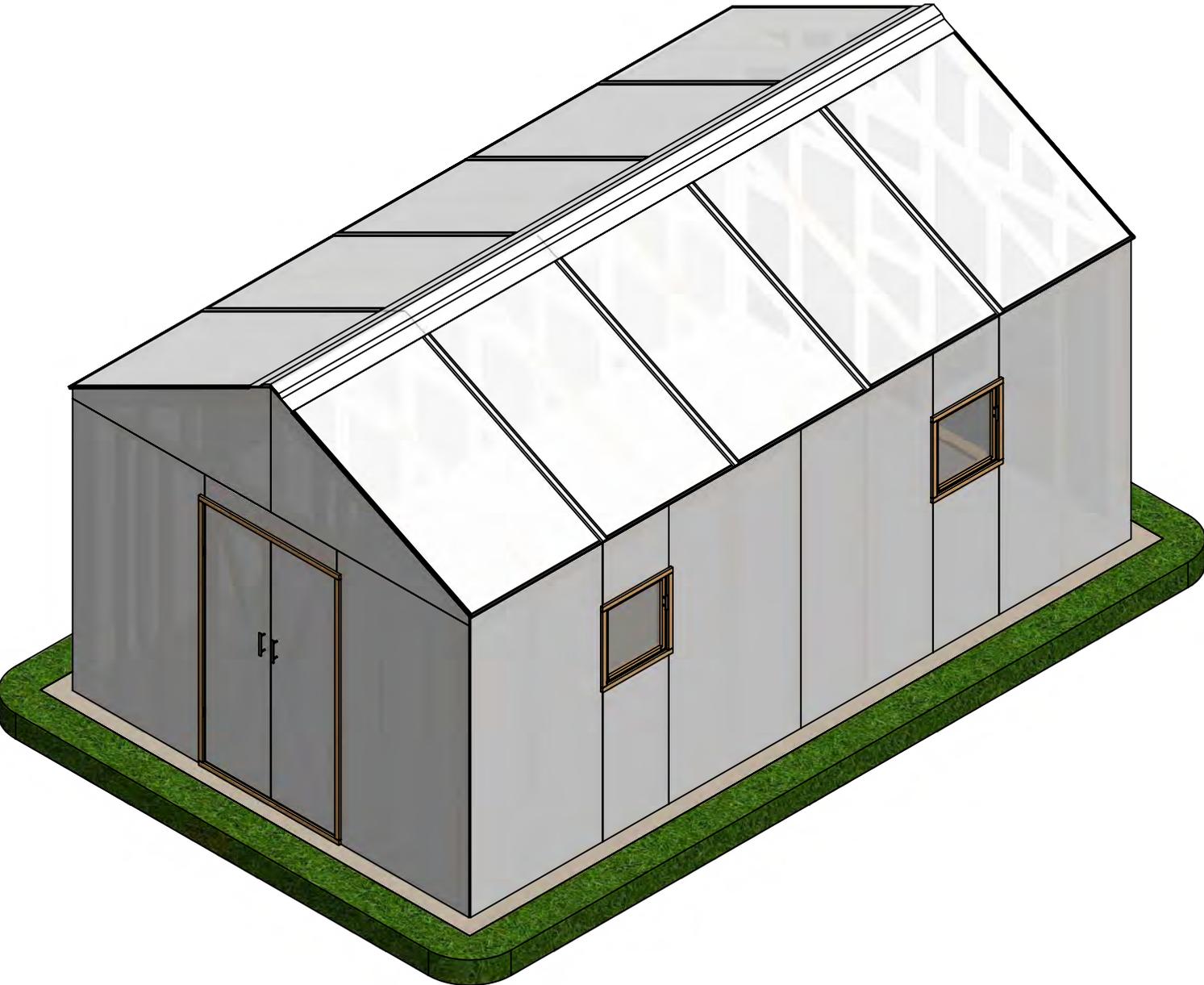
Rear



Right



Model View

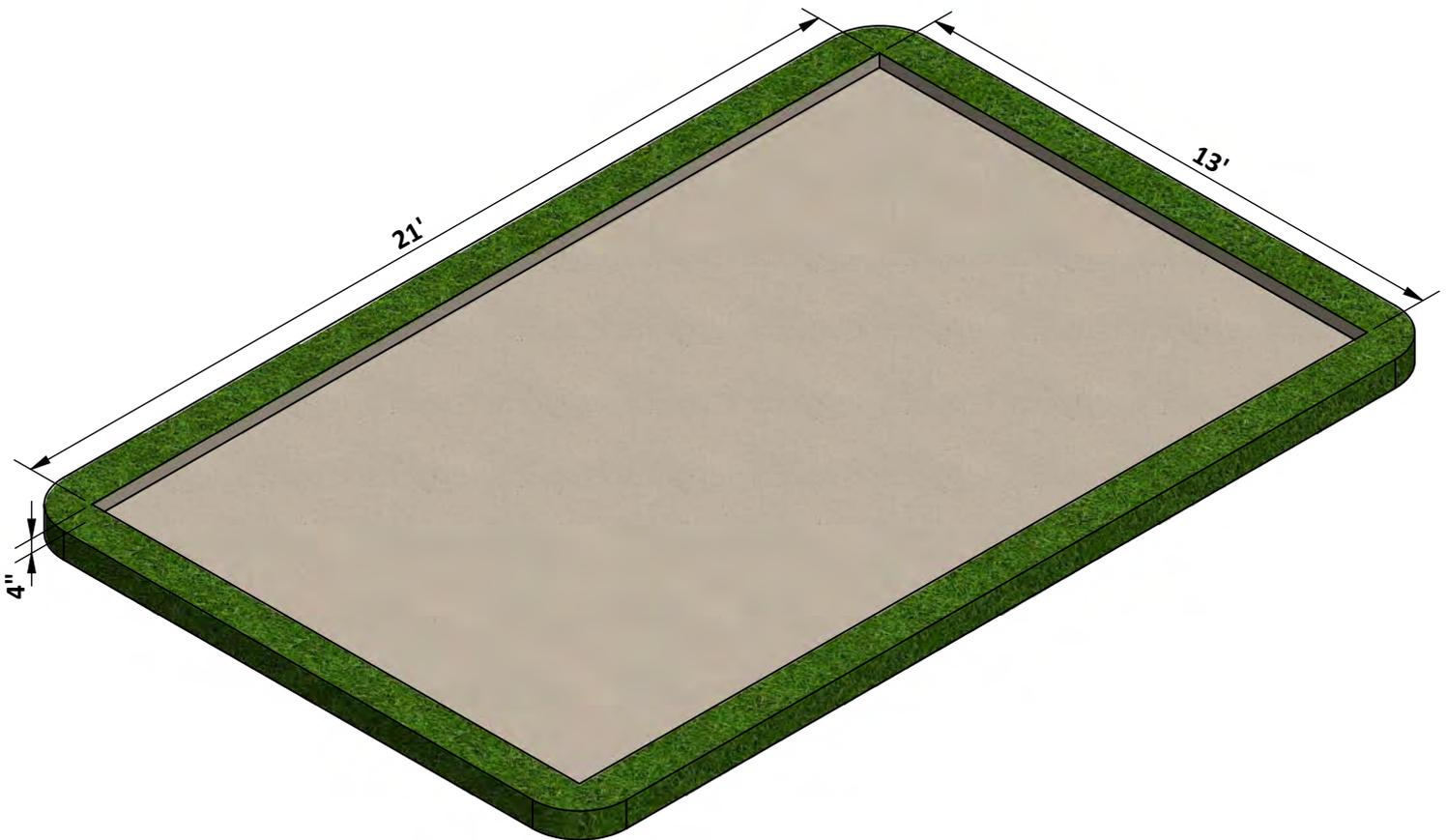


STEP 1

Ground Works

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

1.2 Dig the pit according to the dimensions on the drawing. Pour gravel on the bottom, evenly distribute it and tamp.



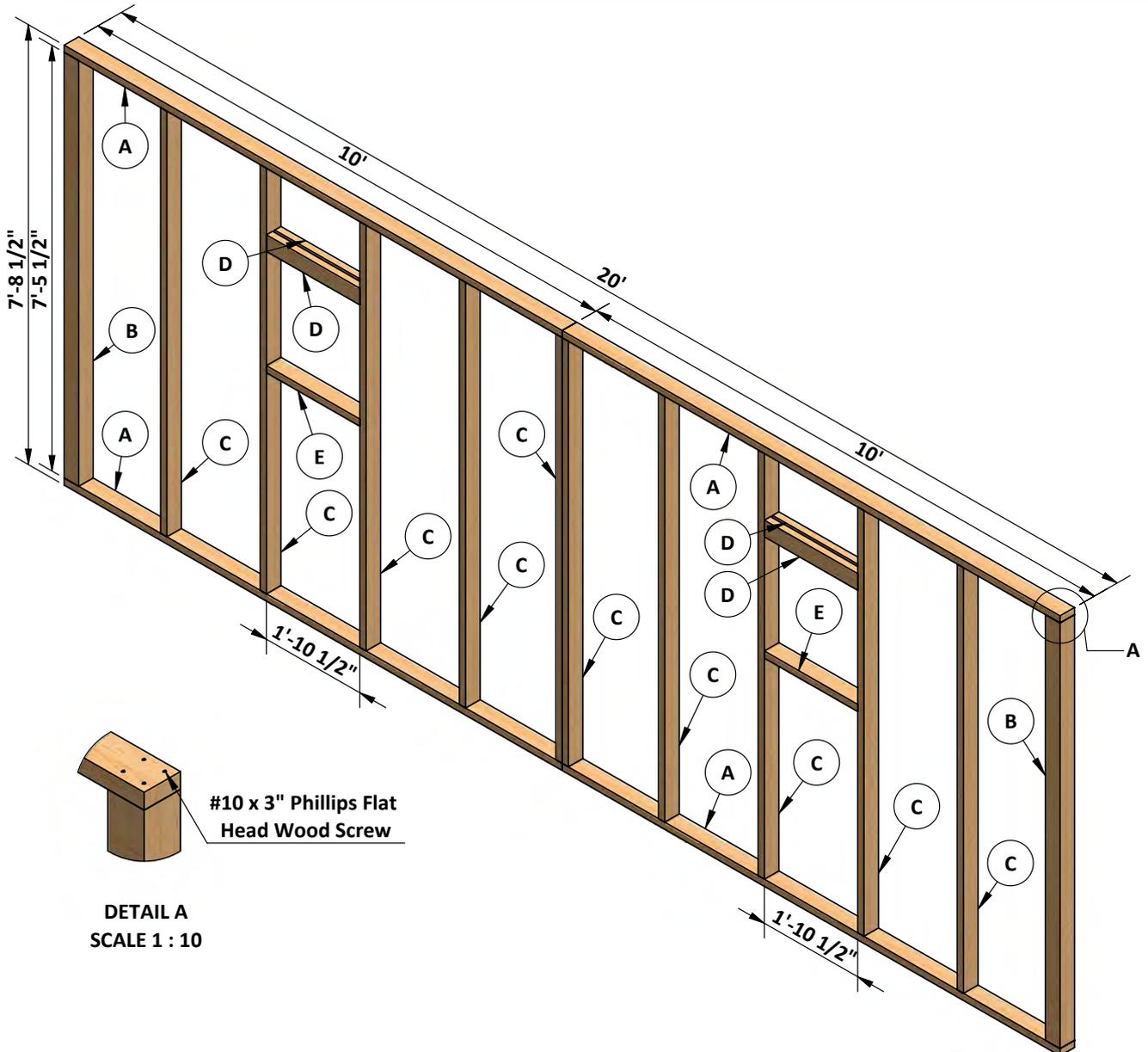
STEP 2

Side Wall Frame Assembly

2.1 Assemble the left and right wall frame using 2 x 4 lumbers and 4 x 4 lumbers.

2.2 Secure the lumbers with #10 x 3" phillips flat head wood screws.

Pos	Description	Material	Dimension	Qty
A	Top/bottom beam	Lumber (2 x 4)	10'	8
B	Studs	Lumber (4 x 4)	7'-5 1/2"	4
C	Studs	Lumber (2 x 4)	7'-5 1/2"	20
D	Window header	Lumber (2 x 4)	1'-10 1/2"	8
E	Rough sill	Lumber (2 x 4)	1'-10 1/2"	4



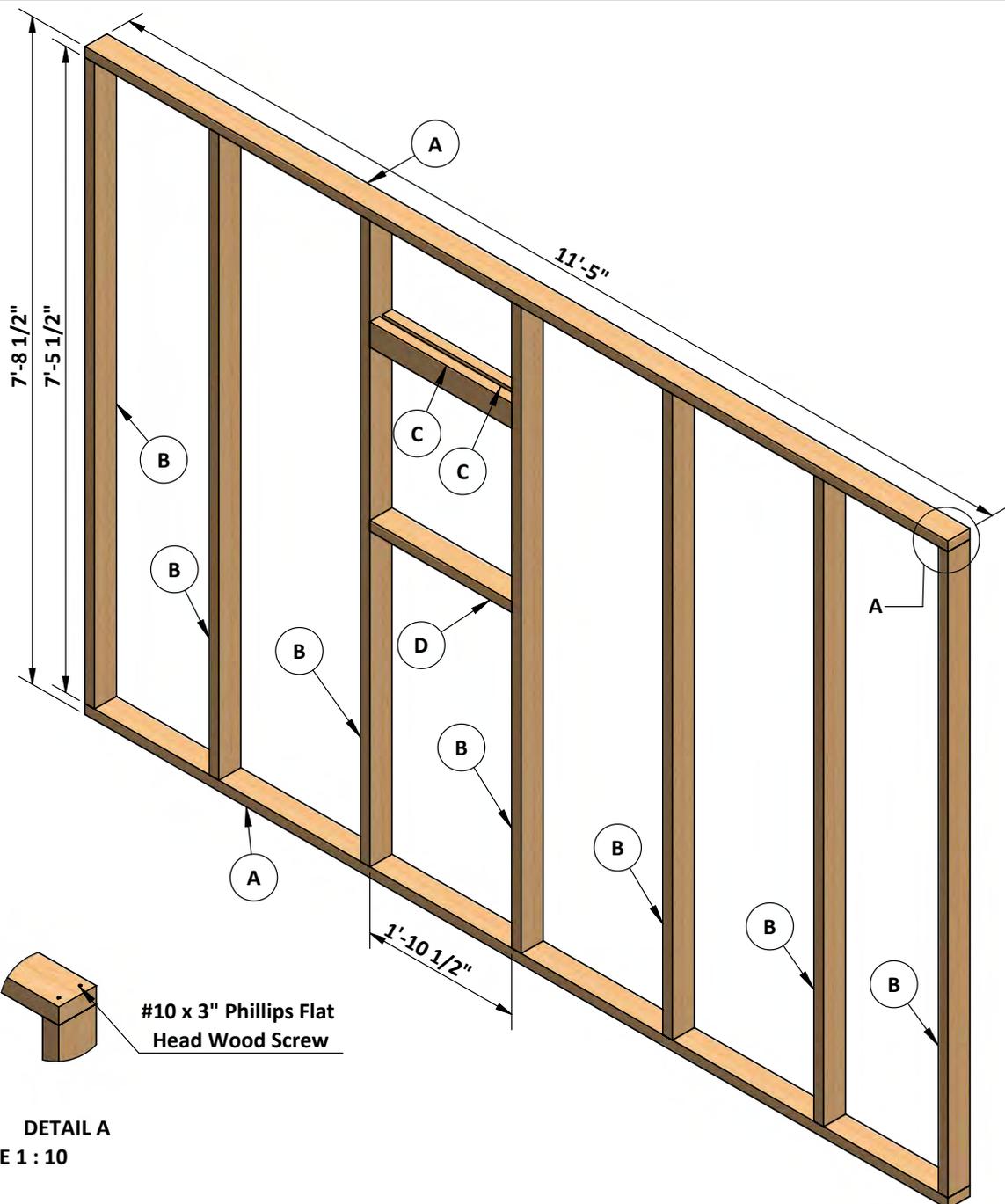
STEP 3

Rear Wall Frame Assembly

3.1 Assemble the rear wall frame using 2 x 4 lumbers.

3.2 Secure the lumbers with #10 x 3" phillips flat head wood screws.

Pos	Description	Material	Dimension	Qty
A	Top/bottom beam	Lumber (2 x 4)	11'-5"	2
B	Studs	Lumber (2 x 4)	7'-5 1/2"	7
C	Window header	Lumber (2 x 4)	1'-10 1/2"	2
D	Rough sill	Lumber (2 x 4)	1'-10 1/2"	1



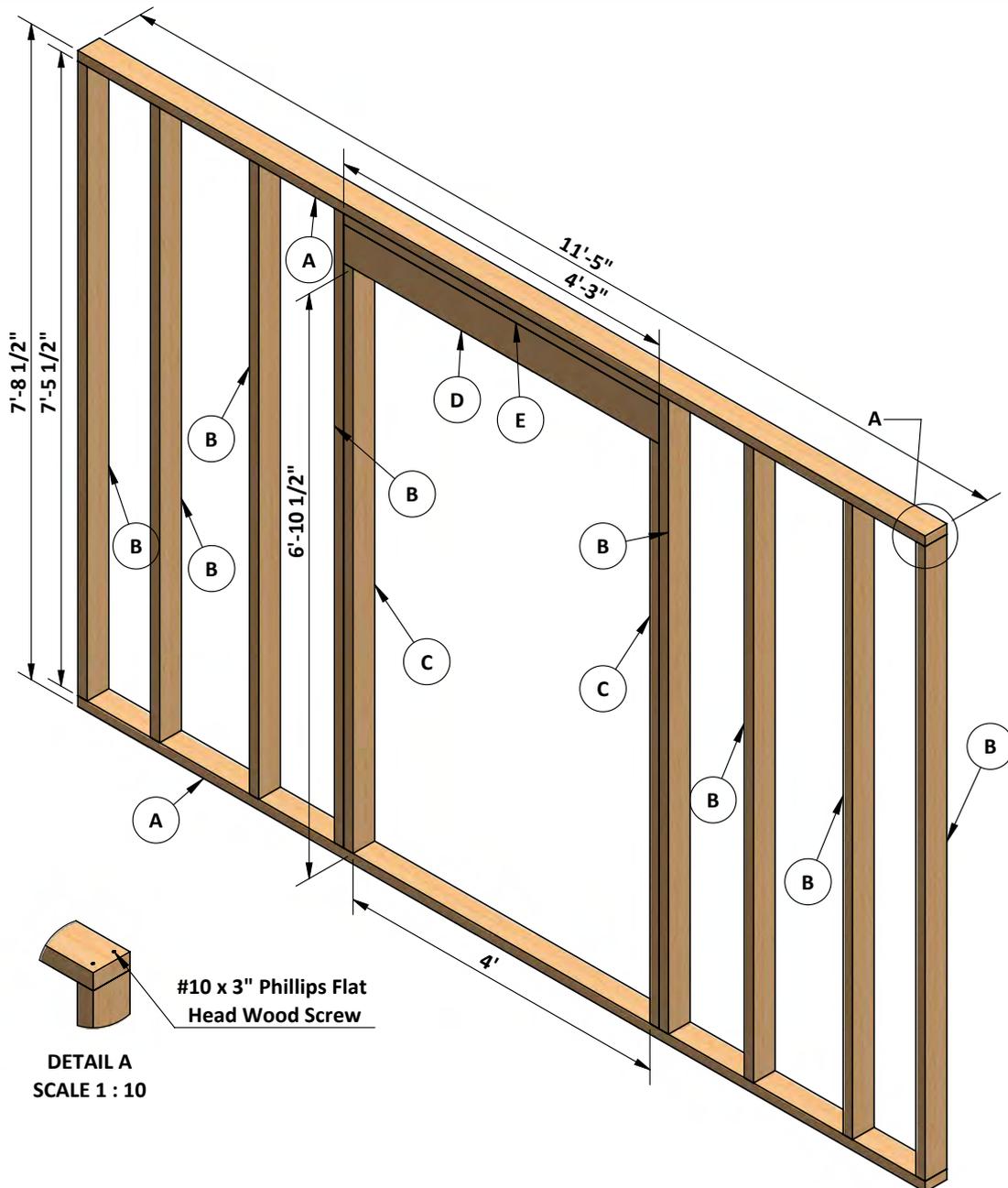
STEP 4

Front Wall Frame Assembly

4.1 Assemble the front wall frame using 2 x 4 and 2 x 6 lumbers.

4.2 Secure the lumbers with #10 x 3" phillips flat head wood screws.

Pos	Description	Material	Dimension	Qty
A	Top/bottom beam	Lumber (2 x 4)	11'-5"	2
B	Studs	Lumber (2 x 4)	7'-5 1/2"	8
C	Studs	Lumber (2 x 4)	6'-10 1/2"	2
D	Door header	Lumber (2 x 6)	4'-3"	2
E	Door beam	Lumber (2 x 4)	4'-3"	1



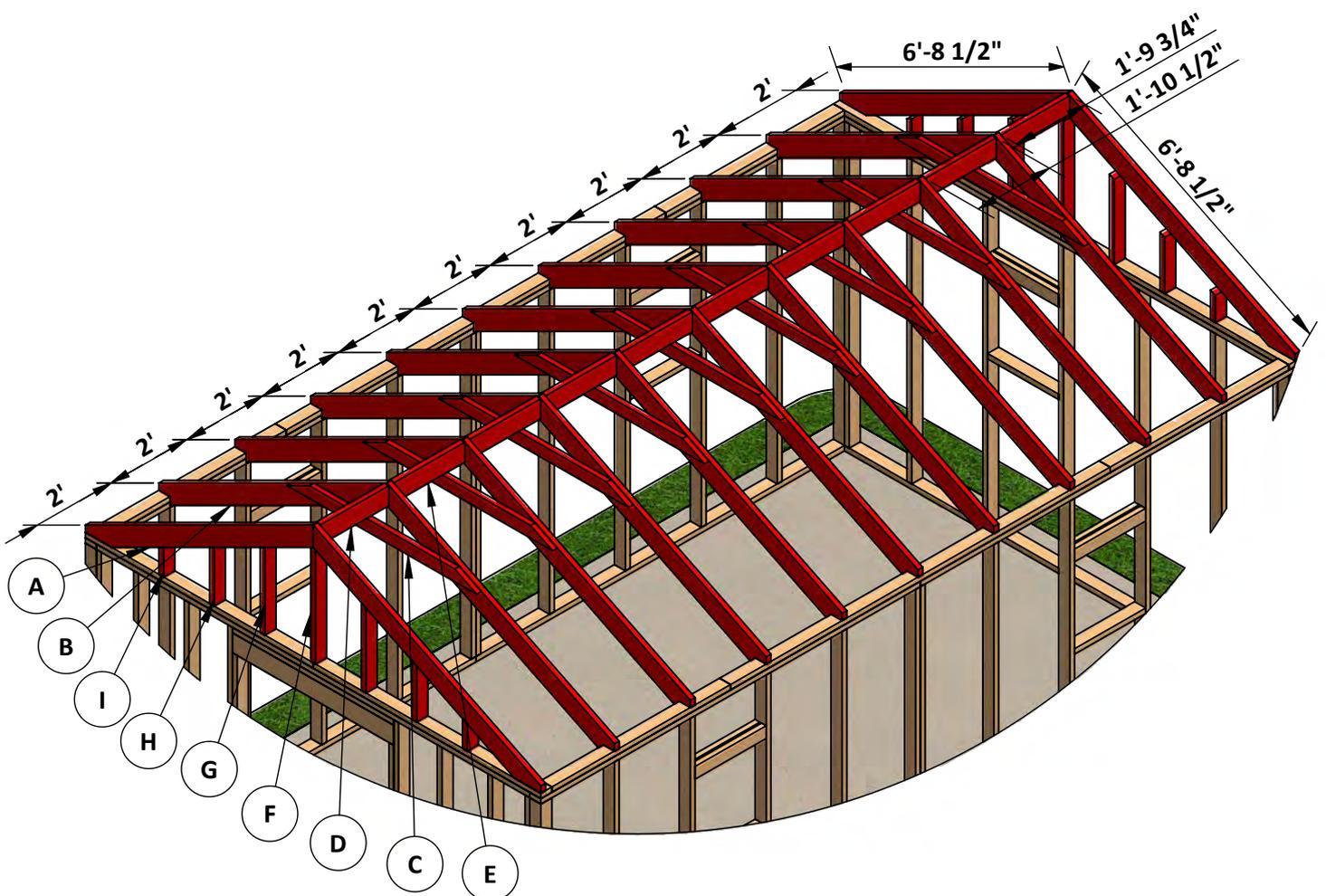
STEP 5

Roof Assembly

5.1 Assemble the roof using 2 x 4 and 2 x 6 lumbers according to the illustration below.

5.2 Secure all the lumbers with #10 x 3" phillips flat head wood screws.

Pos	Description	Material	Dimension	Qty
A	Rafter	Lumber (2 x 6)	6'-9 3/8"	4
B	Rafter	Lumber (2 x 6)	6'-9 3/8"	18
C	Collar tie	Lumber (2 x 4)	5'	9
D	Ridge board	Lumber (2 x 6)	1'-9 3/4"	2
E	Ridge board	Lumber (2 x 6)	1'-10 1/2"	8
F	Gable studs	Lumber (2 x 4)	2'-7 7/8"	2
G	Gable studs	Lumber (2 x 4)	2'-1/4"	4
H	Gable studs	Lumber (2 x 4)	1'-4 1/4"	4
I	Gable studs	Lumber (2 x 4)	8 1/4"	4



STEP 6

Roof Sheathing Assembly

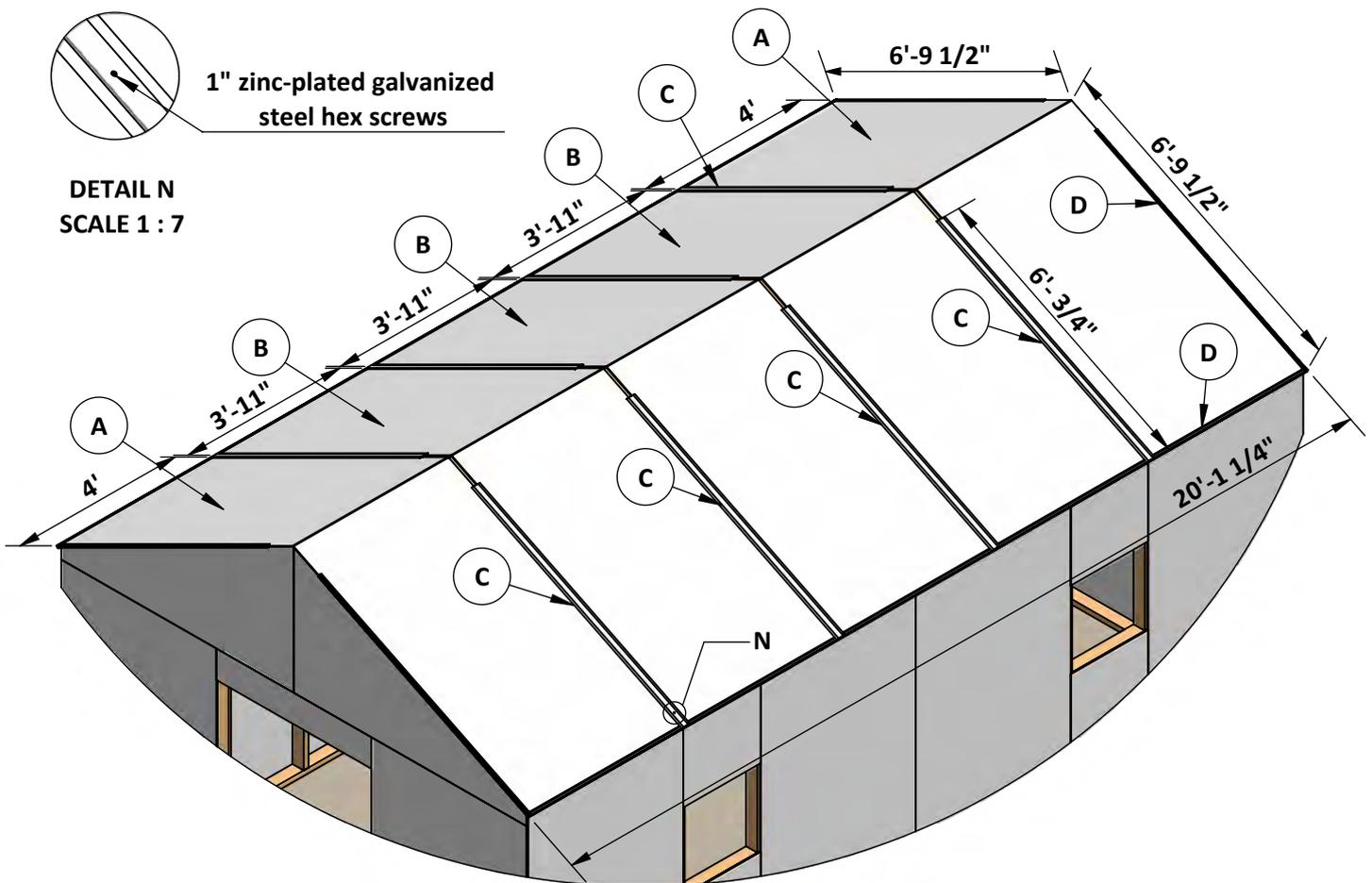
6.1 Cut the 5/16 polycarbonate and assemble the roof sheathing according to the illustration below.

6.2 Insert the polycarbonate roof panel 3mm H channel between the sheets and cover the edges with U-channel roof panel.

6.3 Secure the polycarbonate with 1" zinc-plated galvanized steel hex screws.

6.4 Treat joints and connecting elements with sealant for outdoor use.

Pos	Description	Material	Dimension	Qty
A	Roof sheathing	Polycarbonate 5/16	6'-9 1/2" x 4'	4
B	Roof sheathing	Polycarbonate 5/16	6'-9 1/2" x 3'-11"	6
C	H Channel	Polycarbonate 1/8	50'	
D	U channel	Polycarbonate 1/8	70'	
E	Ridge cap	Polycarbonate 1/8	20'-1"	1



STEP 7

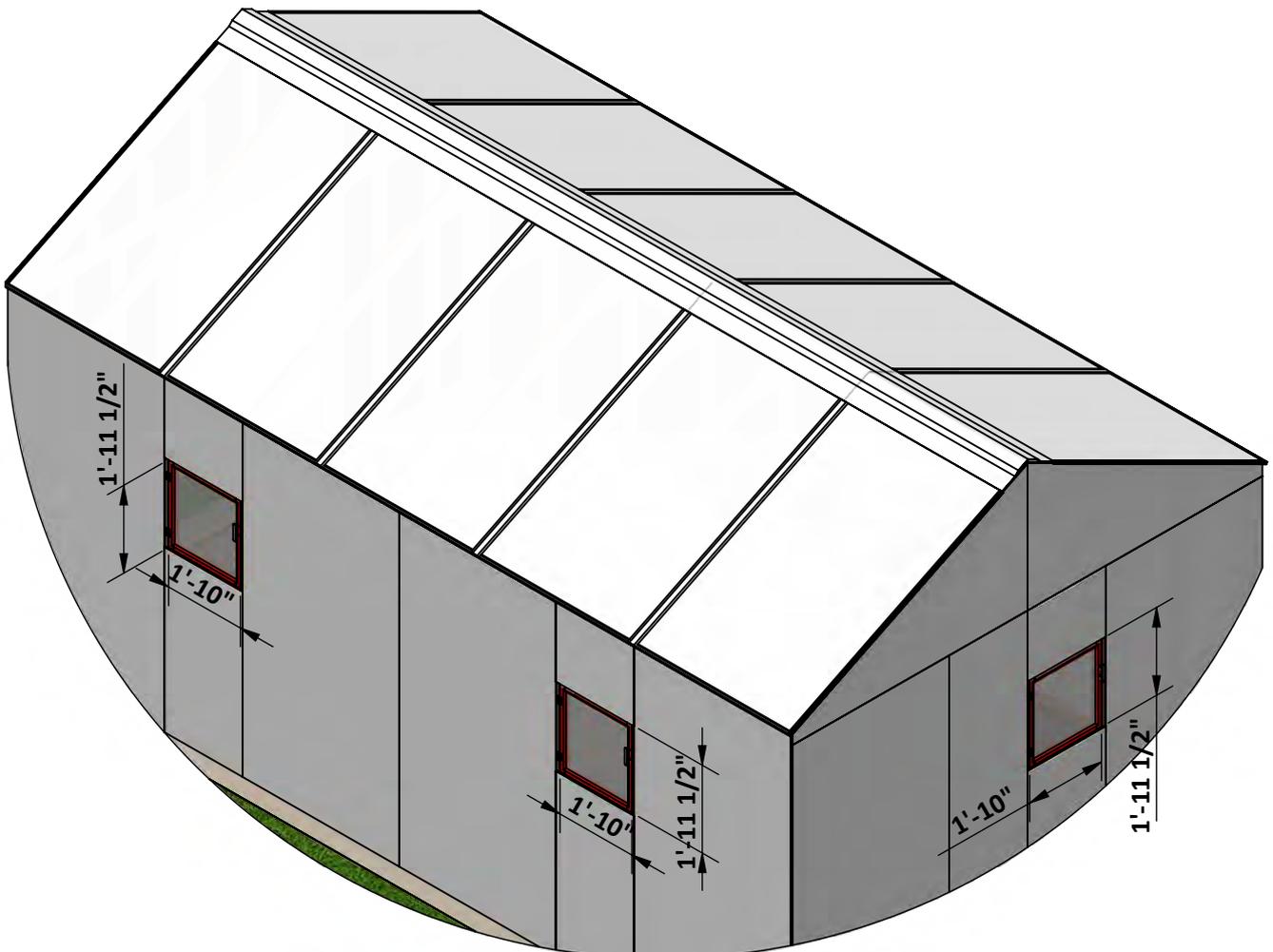
Window Assembly

7.1 Assemble the window using 2 x 2 lumbers and 1/8 glass and the window beading according to the illustration below.

7.2 Secure the lumber with #10 x 1" phillips flat head wood screws.

7.3 Install the window at the left, right and rear wall with the 2" hinge according to the illustration below.

Pos	Description	Material	Dimension	Qty
A	Horizontal girts	Lumber (2 x 2)	1'-10"	10
B	Vertical girts	Lumber (2 x 2)	1'-11 1/2"	10
C	Window glass	Glass 1/8	1'-8" x 1'-9 1/2"	5
D	Window beading	Window beading		35'



STEP 8

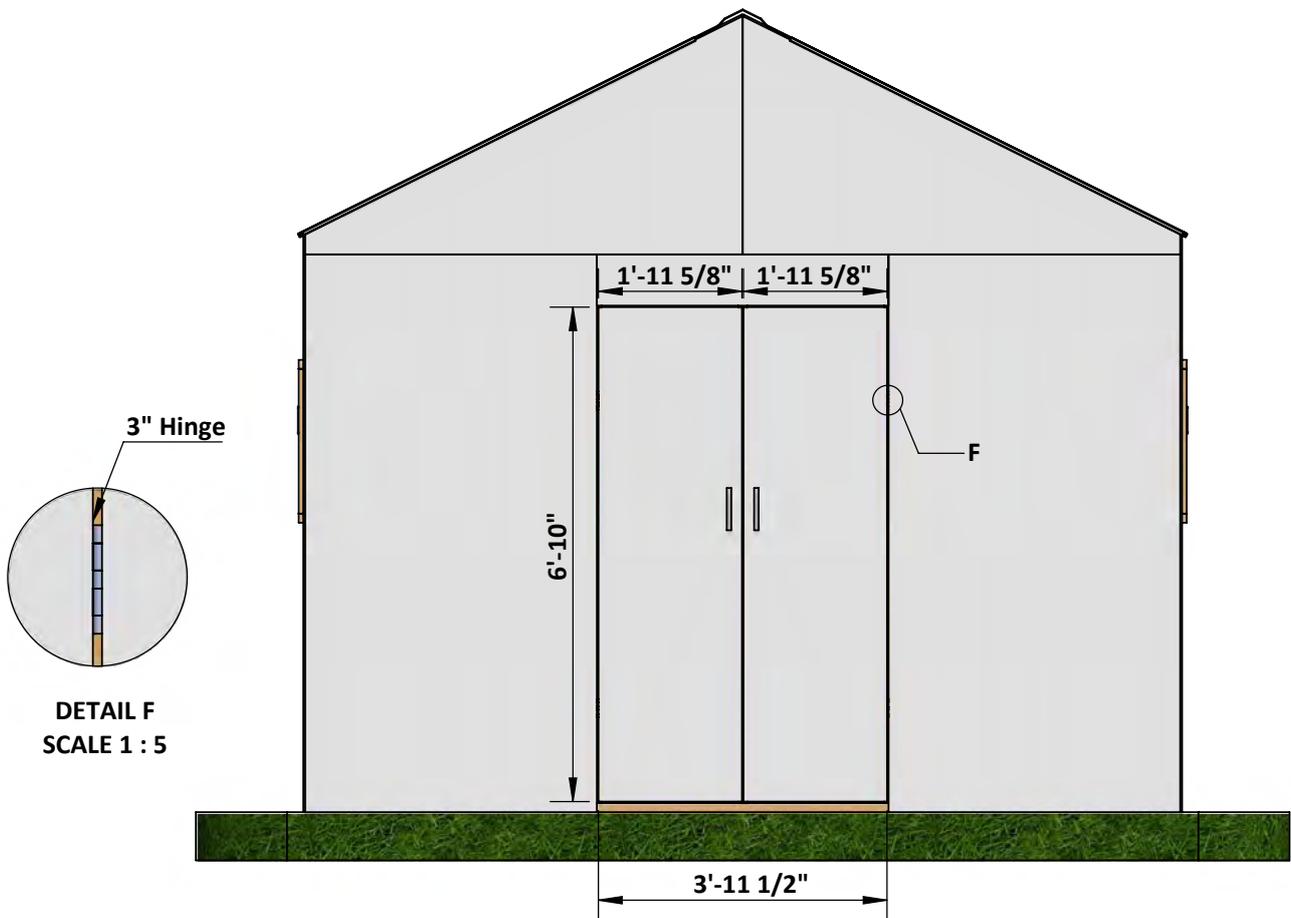
Door Assembly

8.1 You will need to assemble two half doors and assemble the door frames using 2 x 4 lumber and cover them with 5/16 polycarbonate according to the illustration below.

8.2 Secure lumbers with #10 x 5" phillips flat head wood screws and the polycarbonate with 1" zinc-plated galvanized steel hex screws.

8.3 Install the doors at the front wall with 3" hinge with #10 x 1" phillips flat head wood screws according to the illustration below.

Pos	Description	Material	Dimension	Qty
A	Horizontal girts	Lumber (2 x 4)	1'-11 5/8"	4
B	Vertical girts	Lumber (2 x 4)	6'-10"	4
C	Middle girts	Lumber (2 x 4)	1'-4 5/8"	2
D	Cross braces	Lumber (2 x 4)	3'-3 1/4"	4
E	Door sheathing	Polycarbonate 5/16	1'-11 5/8" x 6'-10"	2



STEP 9

Thank You

Now that your Greenhouse is all done, you can use your greenhouse.



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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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