



Free 10' x 16' 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](#)

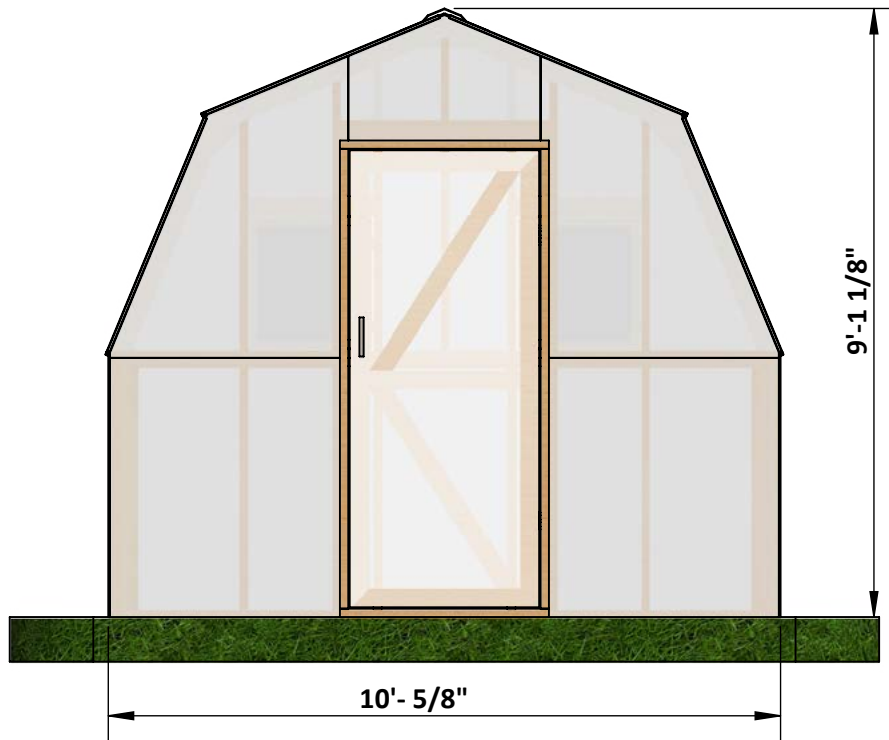
30-day refund policy with no questions asked.

10' x 16' Greenhouse Shopping List

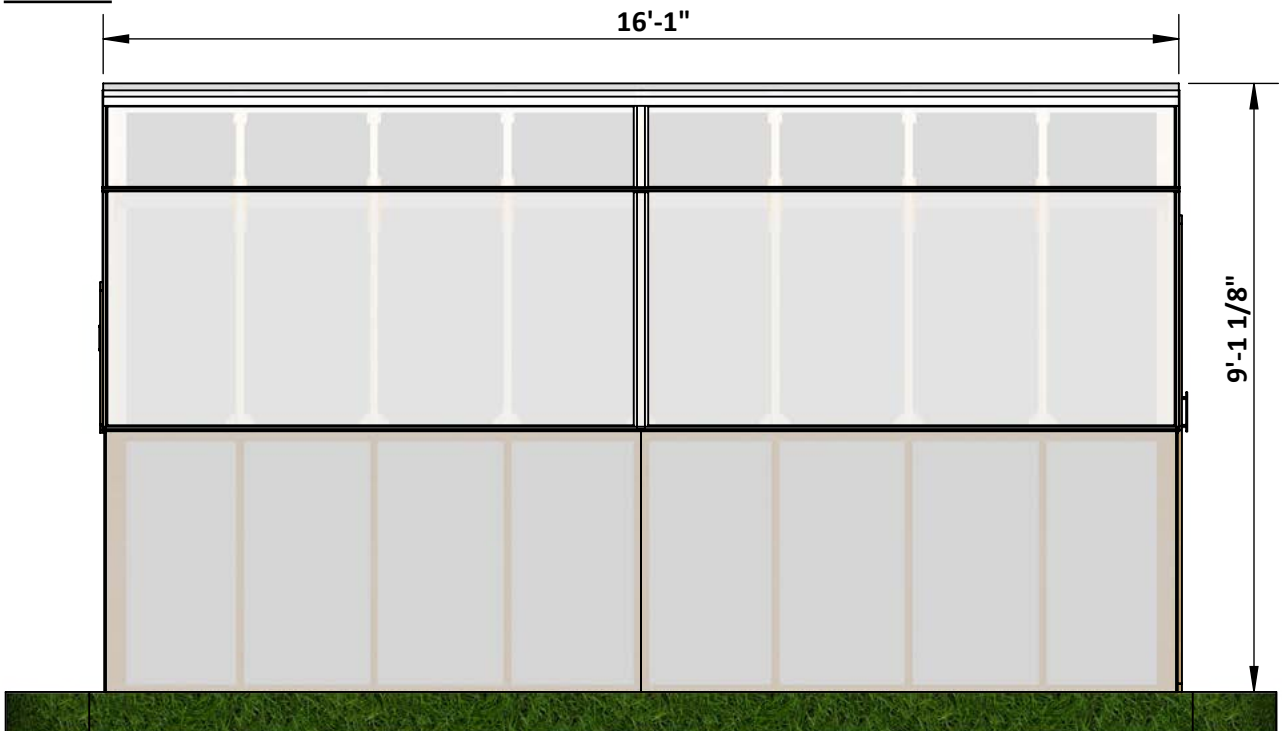
Materials	Unit	Qty	Size
Lumber (4 x 4)	Pcs	2	8'
Lumber (2 x 6)	Pcs	1	8'
Lumber (2 x 4)	Pcs	4	10'
Lumber (2 x 4)	Pcs	53	8'
Lumber (2 x 4)	Pcs	15	6'
Lumber (2 x 2)	Pcs	2	8'
Lumber (1 x 2)	Pcs	5	8'
Lumber (1 x 2)	Pcs	1	6'
1/2 OSB	Pcs	1	8' x 4'
Polycarbonate 5/16	Pcs	18	8' x 4'
Polycarbonate 1/8 H channel	ft	1	16'
Polycarbonate 1/8 U channel	ft	1	65'
Polycarbonate 1/8 ridge cap	ft	1	16'-1"

Size & Dimensions

Front

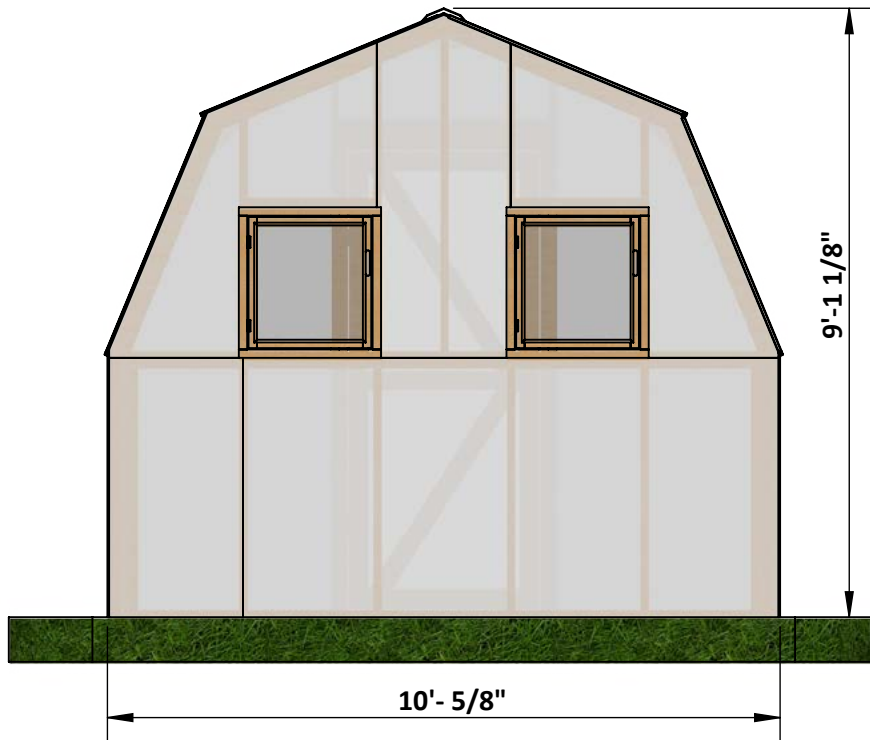


Left

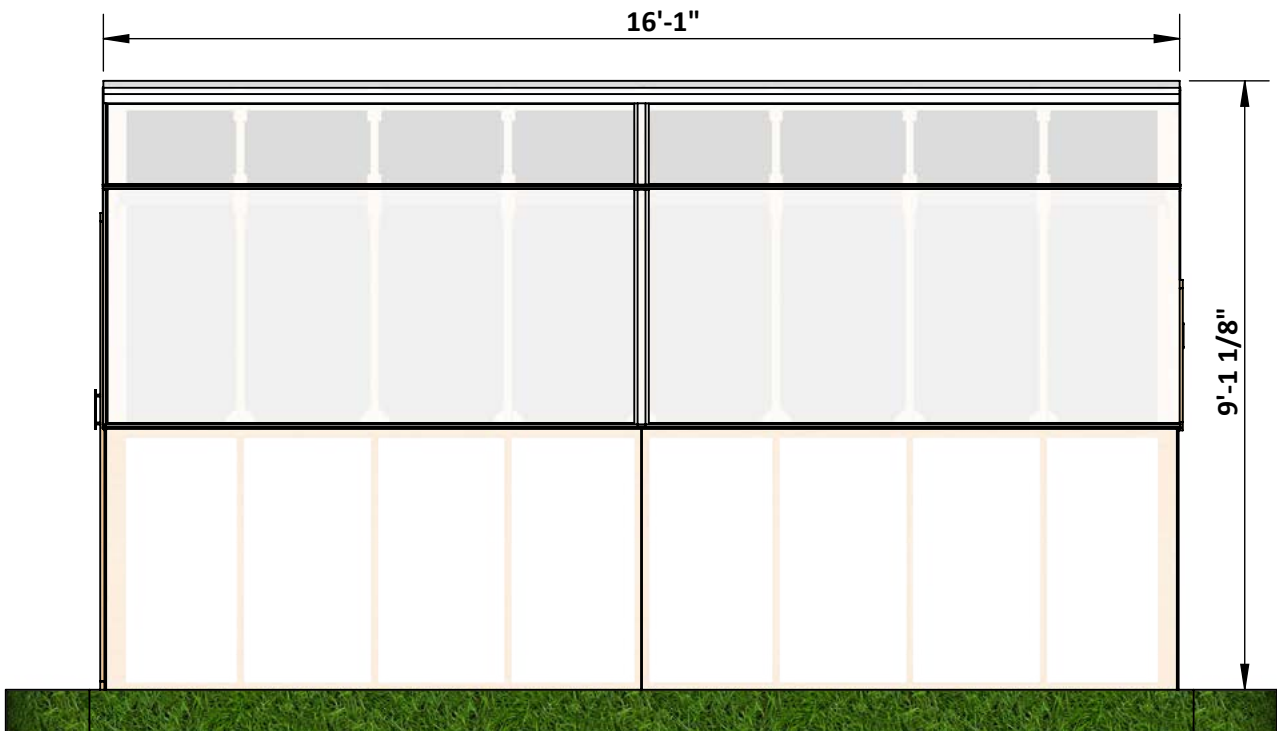


Size & Dimensions

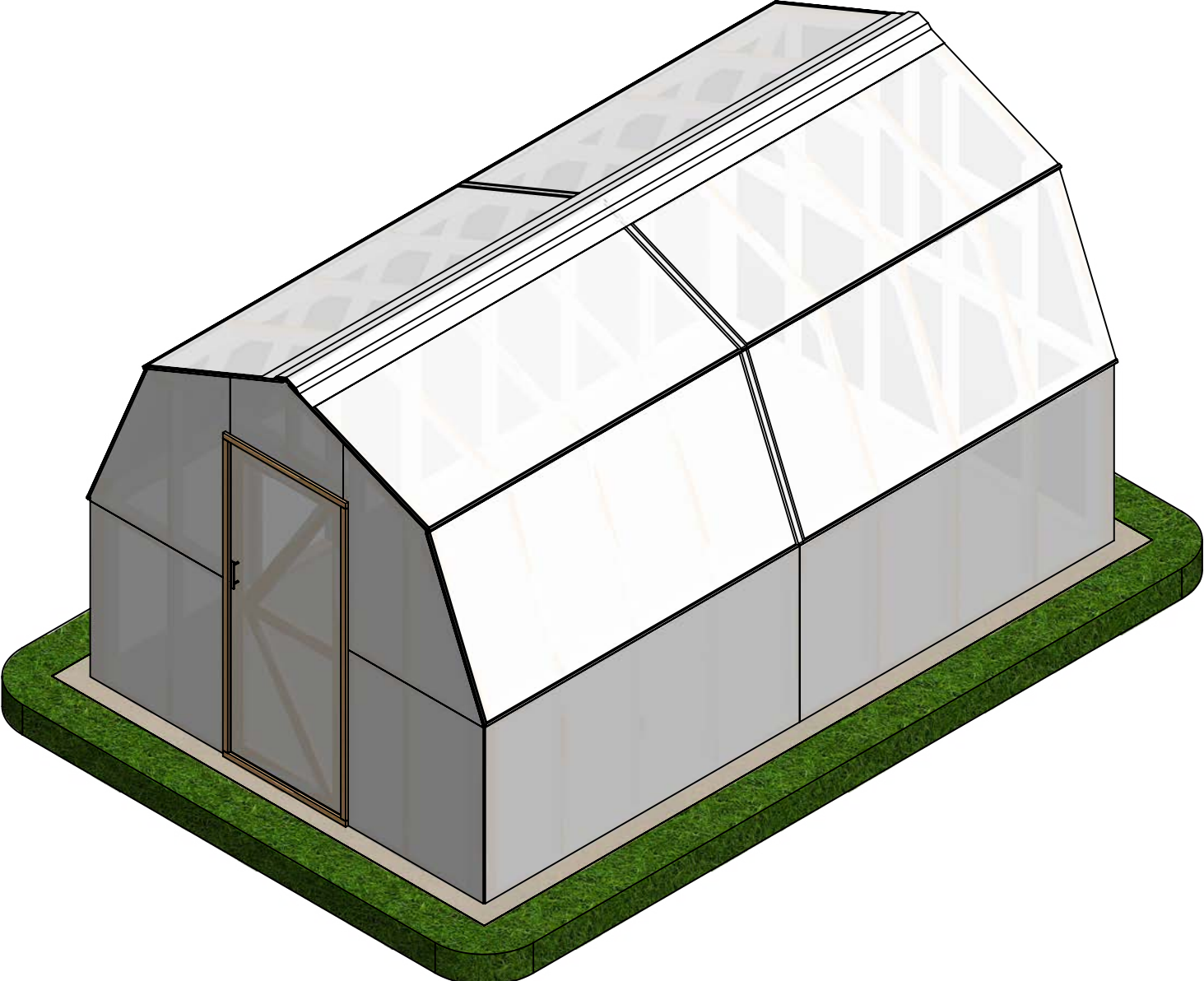
Rear



Right



Model View

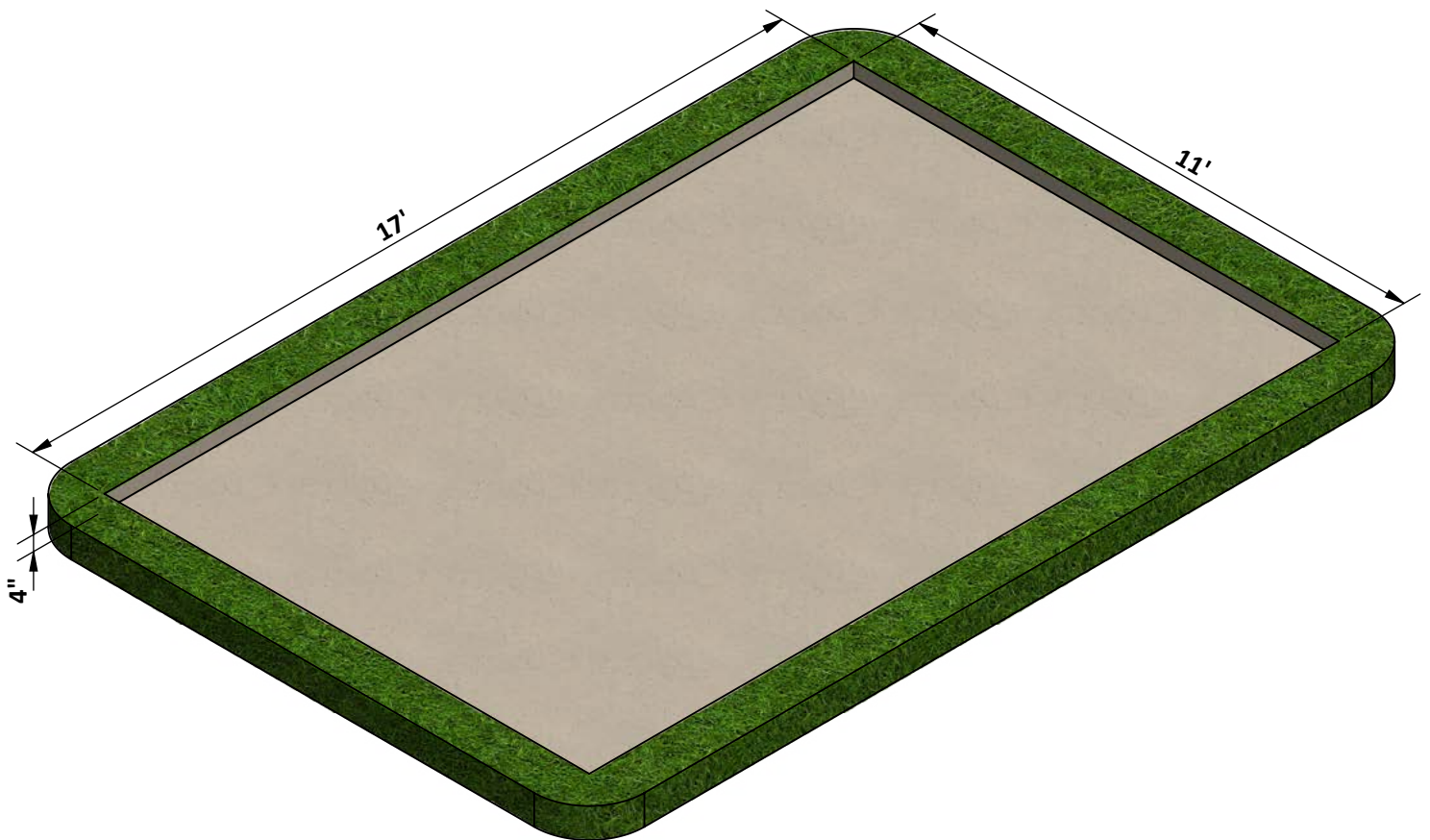


STEP 1

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.



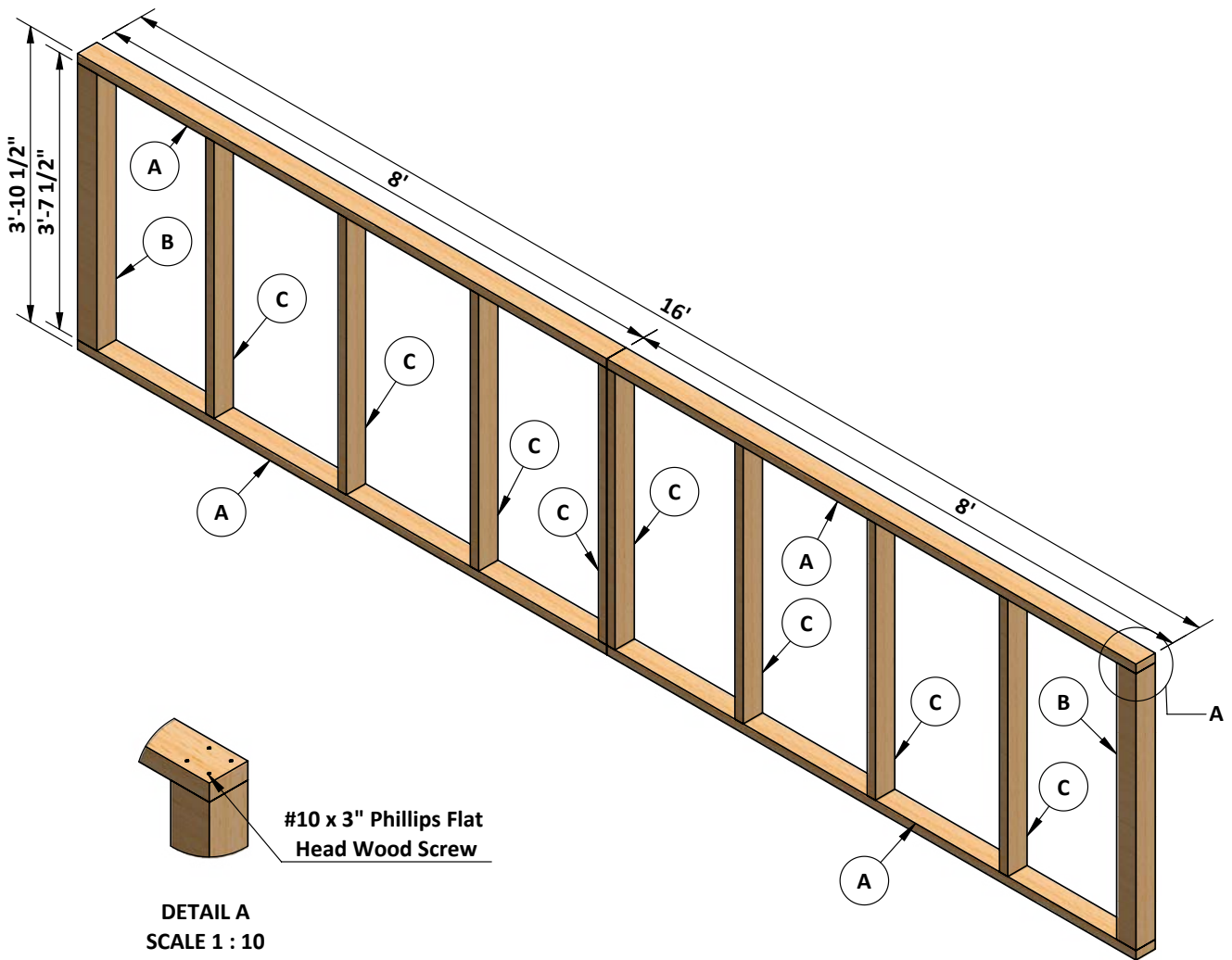
STEP 2

Side Wall Frame Assembly

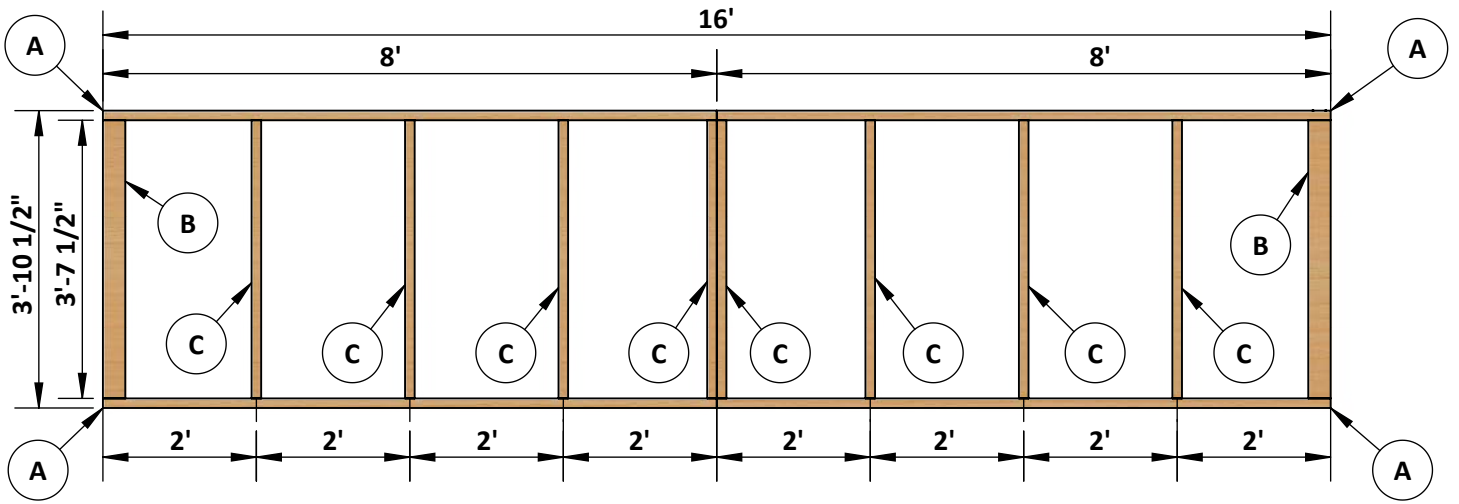
2.1 Assemble the left and right wall frame using 2 x 4 lumbers and 4 x 4 lumbers.

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)	8'	8
B	Studs	Lumber (4 x 4)	3'-7 1/2"	4
C	Studs	Lumber (2 x 4)	3'-7 1/2"	16



STEP 3



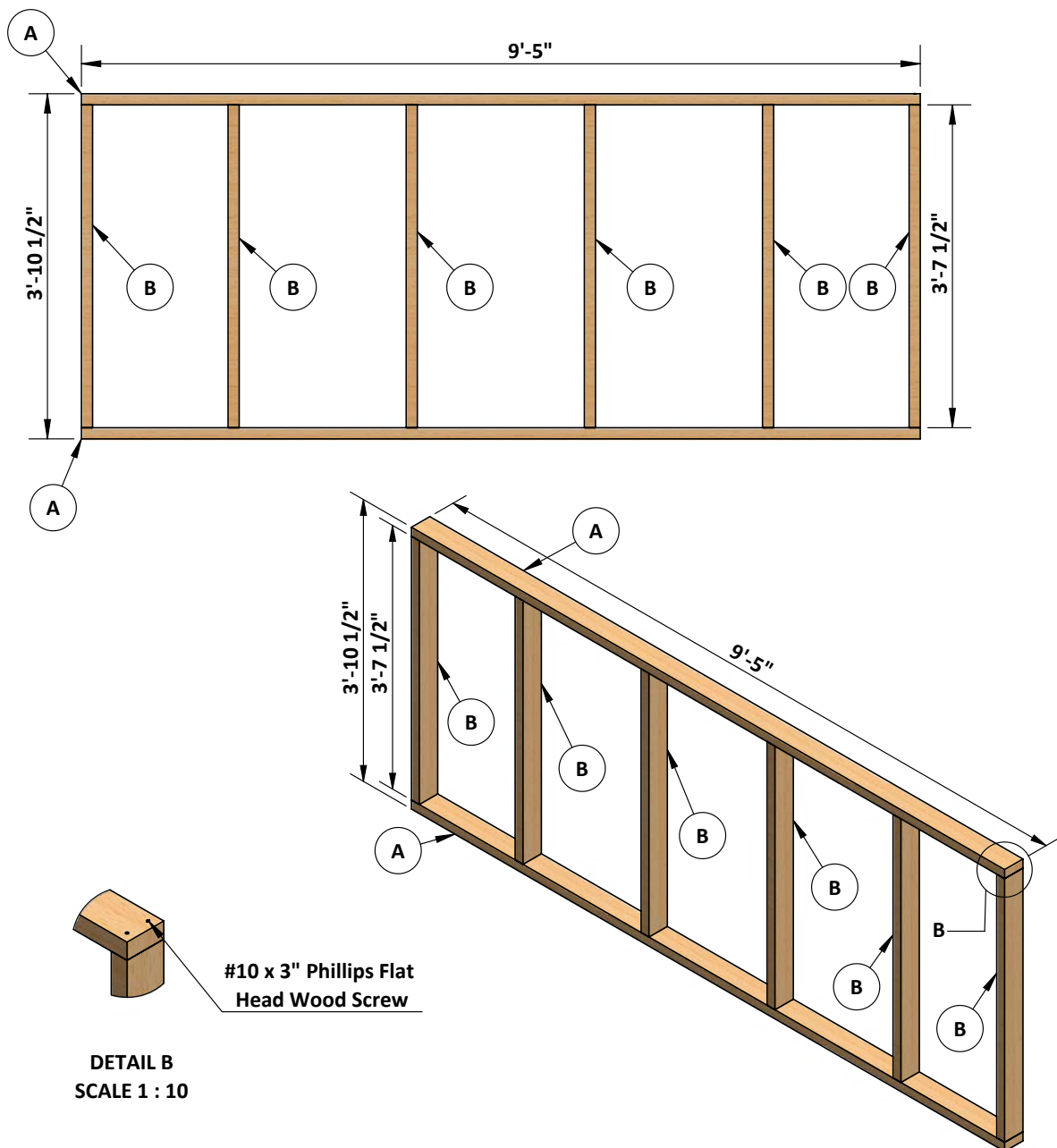
STEP 4

Rear Wall Frame Assembly

4.1 Assemble the rear wall frame using 2 x 4 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)	9'-5"	2
B	Studs	Lumber (2 x 4)	3'-7 1/2"	6



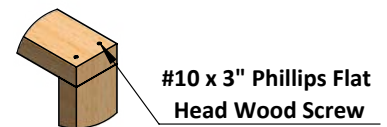
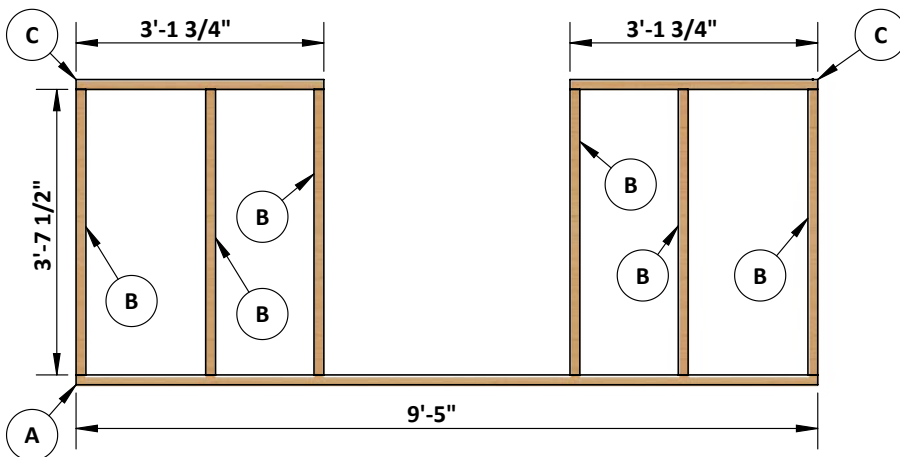
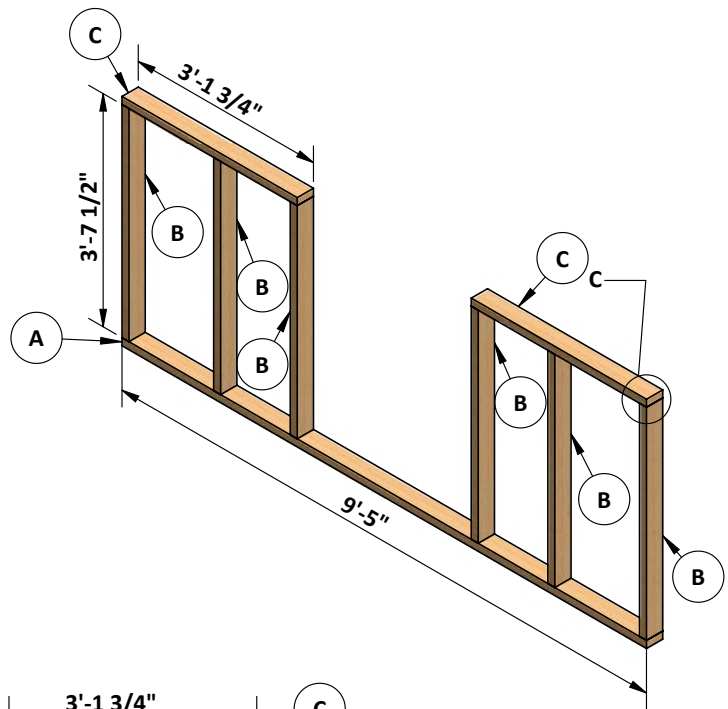
STEP 5

Front Wall Frame Assembly

5.1 Assemble the front wall frame using 2 x 4 lumbers.

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

Pos	Description	Material	Dimension	Qty
A	Bottom beam	Lumber (2 x 4)	9'-5"	1
B	Studs	Lumber (2 x 4)	3'-7 1/2"	6
C	Top beam	Lumber (2 x 4)	3'-1 3/4"	2



DETAIL C
SCALE 1 : 10

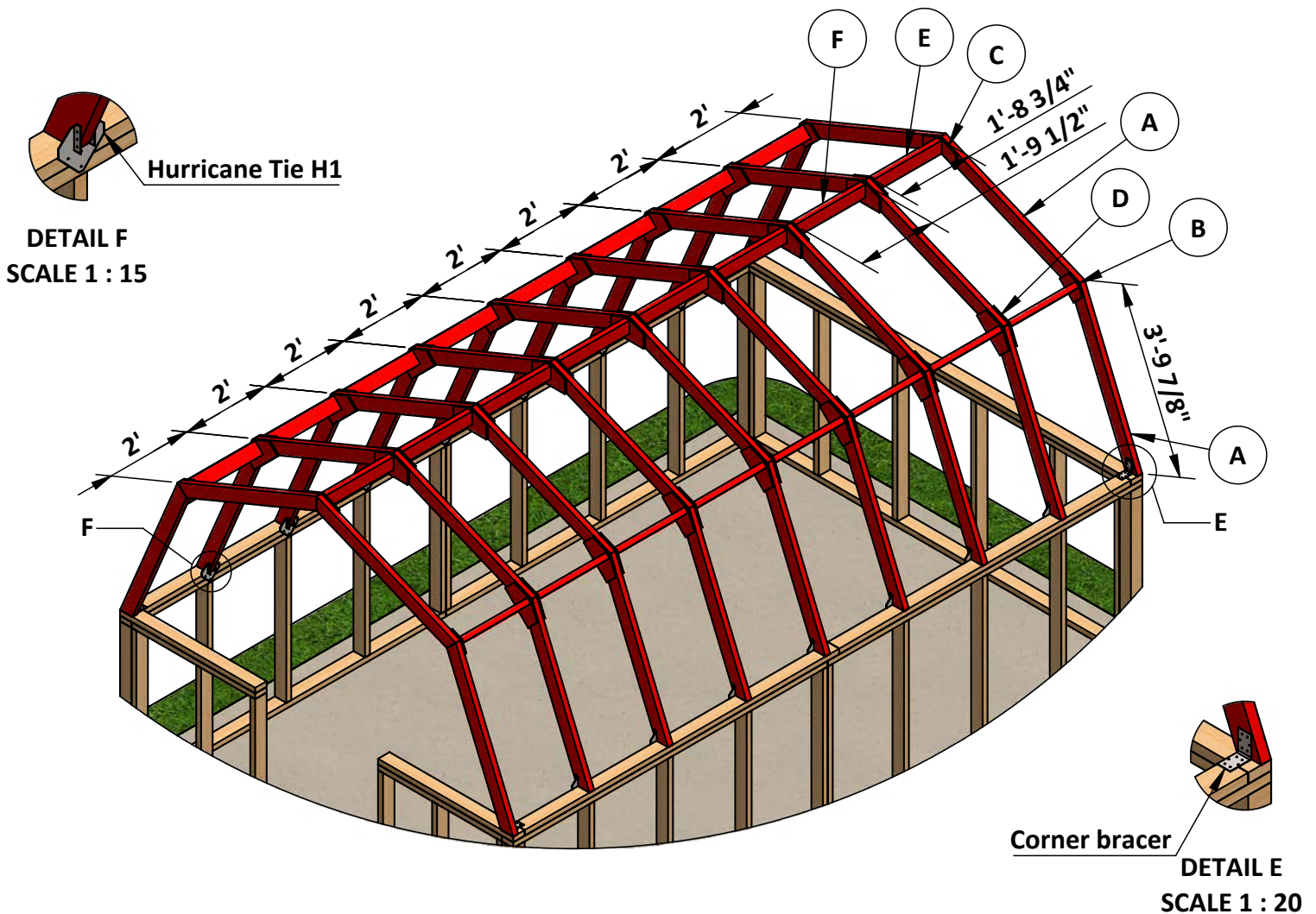
STEP 6

Roof Assembly

6.1 Assemble the roof using 2 x 4 lumbers and 1/2 OSB according to the illustration below.

6.2 Secure all the rafters with Hurricane tie and corner bracer with #10 x 1" and #10 x 2" phillips flat head wood screws.

Pos	Description	Material	Dimension	Qty
A	Rafter	Lumber (2 x 4)	3'-9 7/8"	36
B	Gusset plate	1/2 OSB	6" x 5"	4
C	Gusset plate	1/2 OSB	10" x 6"	2
D	Gusset plate	1/2 OSB	10" x 6"	42
E	Blocking	Lumber (2 x 4)	1'-8 3/4"	6
F	Blocking	Lumber (2 x 4)	1'-9 1/2"	18



STEP 7

Roof Sheathing Assembly

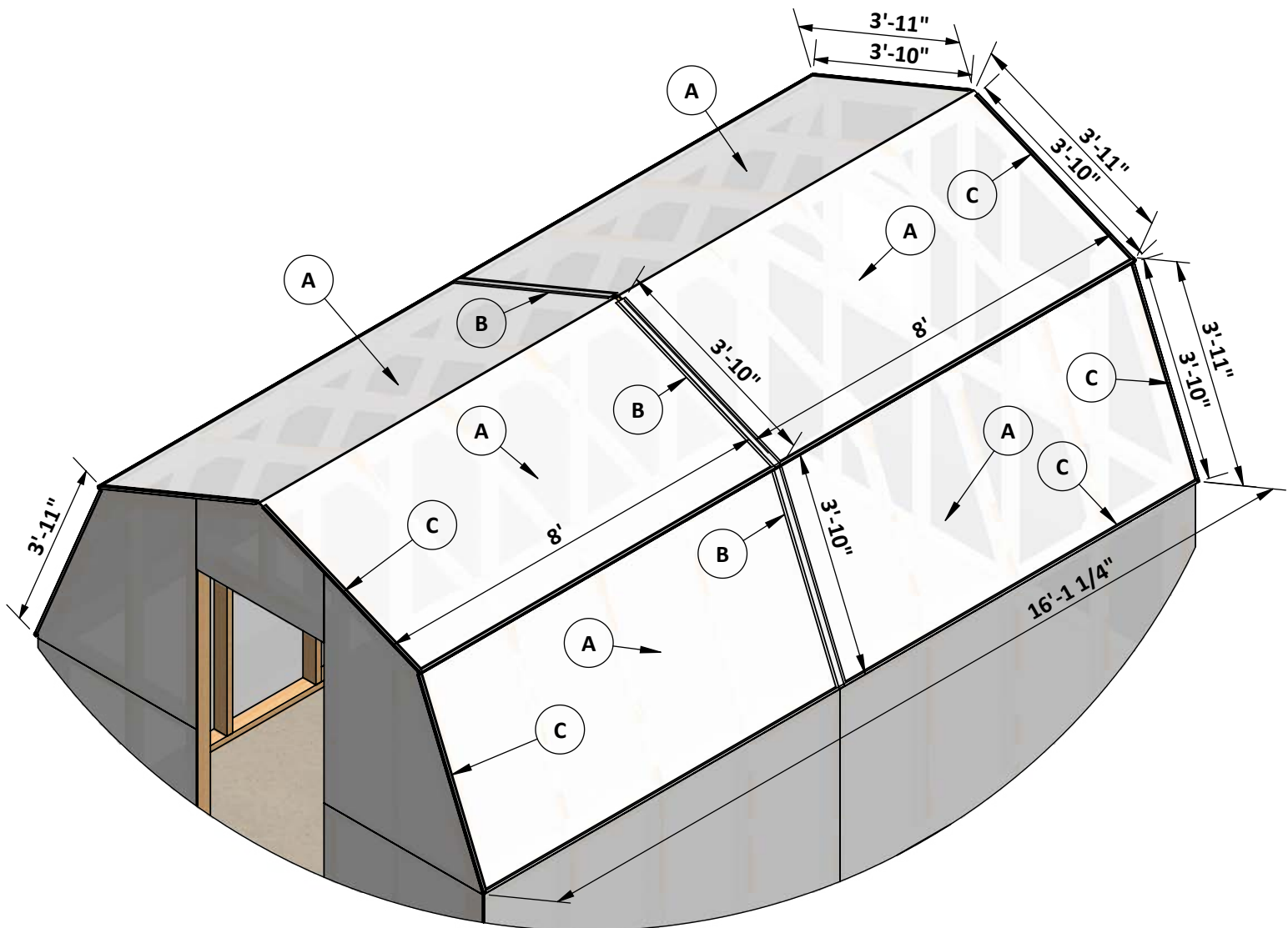
7.1 Cut the 5/16 polycarbonate and assemble the roof sheathing according to the illustration below.

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

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

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

Pos	Description	Material	Dimension	Qty
A	Roof sheathing	Polycarbonate 5/16	8' x 3'-11"	4
B	H Channel	Polycarbonate 1/8	16'	
C	U channel	Polycarbonate 1/8	65'	
D	Ridge cap	Polycarbonate 1/8	16'-1"	1



STEP 8

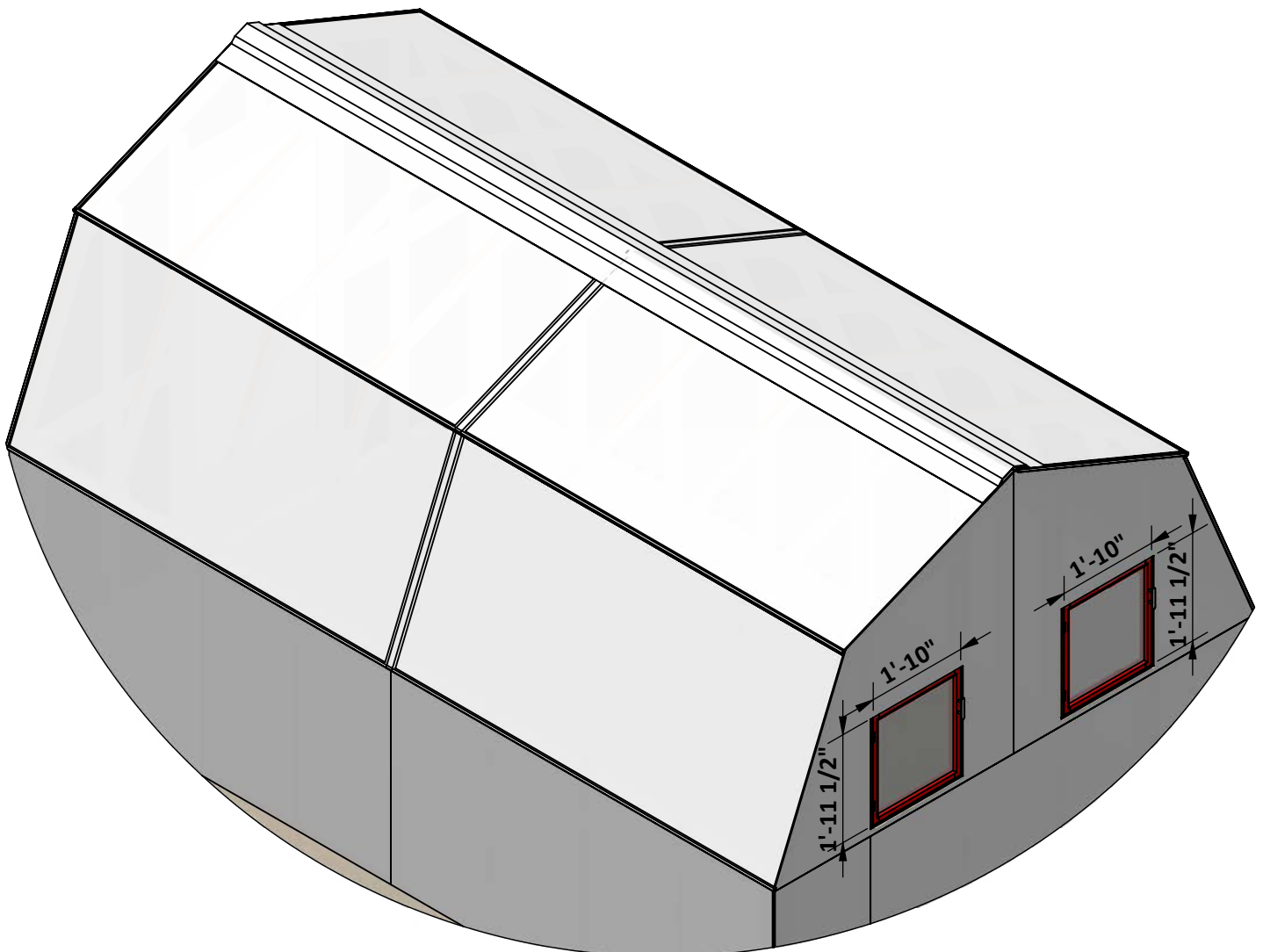
Window Assembly

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

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

8.3 Install the window at the 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"	4
B	Vertical girts	Lumber (2 x 2)	1'-11 1/2"	4
C	Window glass	Glass 1/8	1'-8" x 1'-9 1/2"	2
D	Window beading	Window beading	14'	1



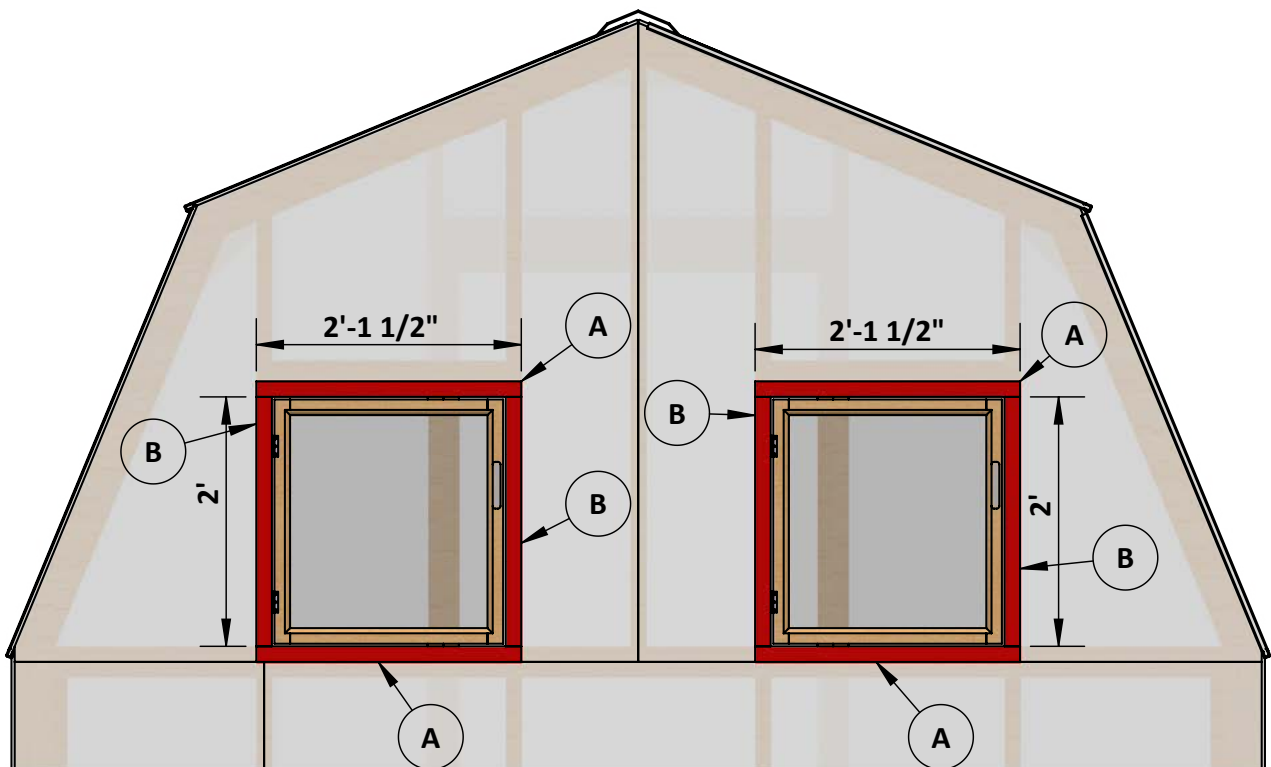
STEP 9

Window Trim Assembly

9.1 Assemble the window trim at the rear window using 1 x 2 lumbers according to the illustration below.

9.2 Secure the lumbers with #10 x 1" phillips flat head wood screws.

Pos	Description	Material	Dimension	Qty
A	Horizontal girts	Lumber (1 x 2)	2'-1 1/2"	4
B	Vertical girts	Lumber (1 x 2)	2'	4



STEP 10

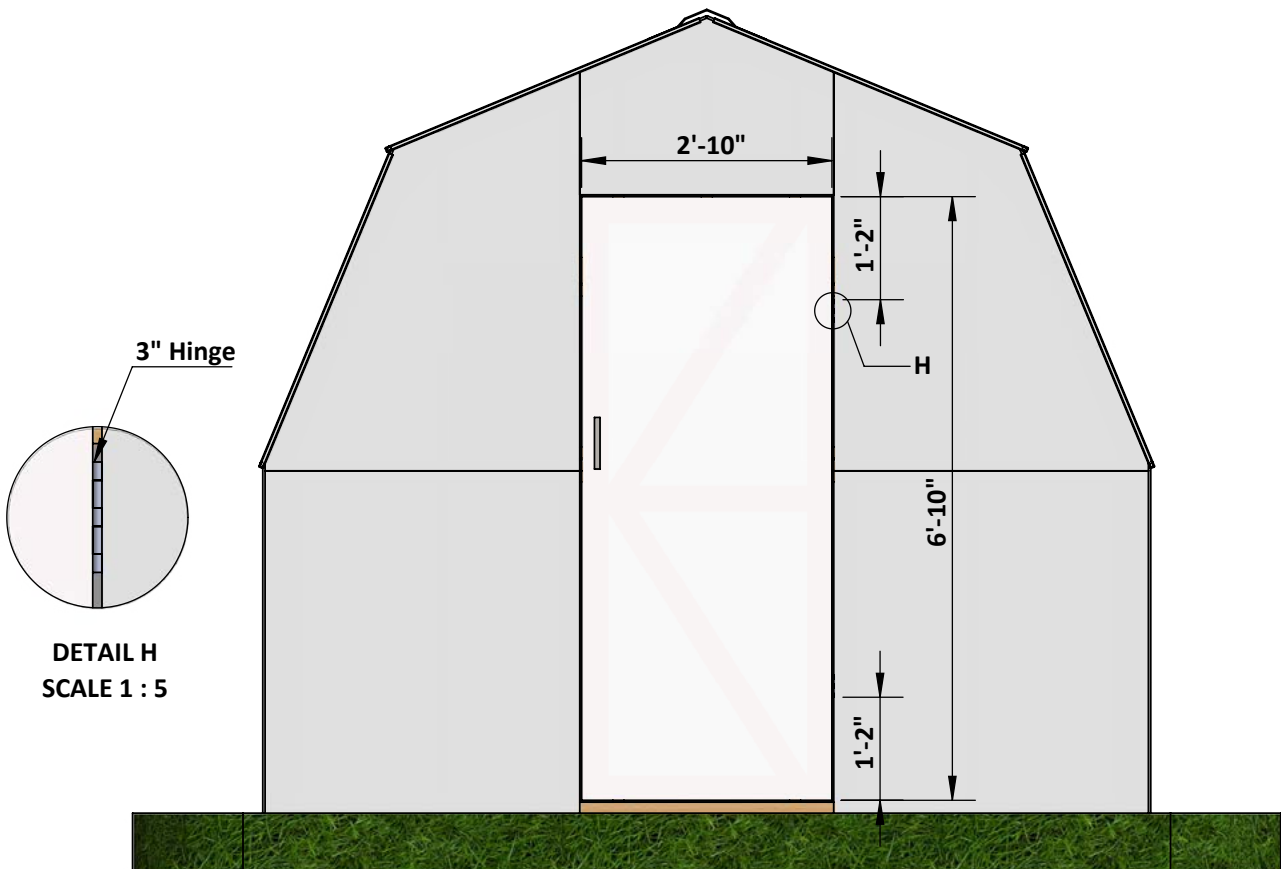
Door Assembly

10.1 Assemble the door using 2 x 4 lumber and door sheathing using 5/16 polycarbonate according to the illustration below.

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

10.3 Install the door 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)	2'-10"	2
B	Vertical girts	Lumber (2 x 4)	6'-10"	2
C	Middle girts	Lumber (2 x 4)	2'-3"	1
D	Cross braces	Lumber (2 x 4)	3'-8 5/8"	2
E	Door sheathing	Polycarbonate 5/16	2'-10" x 6'-10"	1



STEP 11

Thank You

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



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

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