

A large photograph of a backyard patio at dusk. It features a wooden pergola with string lights, a central fire pit with a fire, and several outdoor chairs and sofas. The patio is paved and has a view of a house in the background.

Build Your Dream *Backyard* One Project at a Time



9' x 14' Gazebo w/ Hip Roof

Page 1 of 15

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Gazebo Leg	6 x 6 Lumber x 101-1/4" long	4
2	Front Stringer	2 x 12 Lumber x 176-1/2" Long	2
3	Side Stringer	2 x 12 Lumber x 113-1/2" Long	2
4	Front Inside Stringer	2 x 12 Lumber x 162-1/2" Long	2
5	Side Inside Stringer	2 x 12 Lumber x 102-1/2" Long	2
6	Brace 001	2 x 6 x 48" Long	8
7	Roof Stringer	2 x 8 Lumber x 60" Long	2
8	Rafter 01	2 x 6 Lumber x 76-1/2" Long	10
9	Side Rafter Support	2 x 6 Lumber x 7-1/4" Long	2
10	Rafter 03	2 x 6 Lumber x 101-3/8" Long	4
11	Rafter 04	2 x 6 Lumber x 51-5/8" Long	8
12	Rafter 05	2 x 6 Lumber x 25-3/8" Long	8
13	Front Roof Trim	2 x 6 Lumber x 200-1/2" Long	2
14	Side Roof Trim	2 x 6 Lumber x 137-1/2" Long	2
15	RHSNBOLT 0.5-13x8x8-N	1/2" x 8" Carriage Bolt	16
16	Regular FW 0.5	1/2" Hex Nut	16
17	HNUT 0.5-13-D-N	1/2" Hex Nut	16

Raw Materials Needed

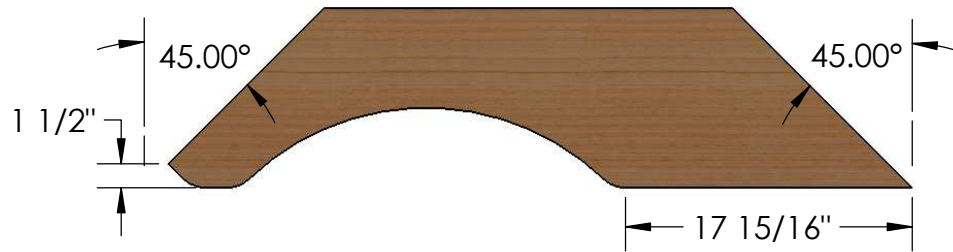
6 x 6 x 10ft Long	- 4 pcs
2 x 12 x 16ft Long	- 2 pcs
2 x 12 x 14ft Long	- 2 pcs
2 x 12 x 10ft Long	- 4 pcs
2 x 6 x 18ft Long	- 2 pcs
2 x 6 x 12ft Long	- 2 pcs
2 x 6 x 10ft Long	- 10 pcs
2 x 6 x 8ft Long	- 14 pcs
2 x 8 x 10ft Long	- 1 pcs
2 x 4 x 8ft Long	- 17 pc
1 x 6 x 8ft Tongue and Groove Planks	- 65 pcs
1/2" x 8" Carriage Bolts	- 16 pcs
1/2" Flat Washers	- 16 pcs
1/2" Flange Nuts	- 16 pcs
#9 x 3" Exterior Screws	- 15 lbs
#6 x 2" Exterior Screws	- 5 lbs
24ga Roofing Tin x 74" Long	- 20 pcs
Steel Ridge Cap x 8ft Long - 6-12 Pitch	- 5 pcs
Roofing Screws (Same color as roof)	- 10 lbs

Step 1 - Cut Gazebo Parts

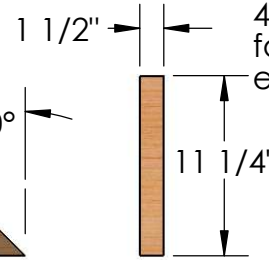
- Cut the four 10' 6 x 6's down to 101-1/4" Long (Item #1)
- Cut the two 16' 2 x 12's down to 176-1/2" (Item #2)
- Cut two of the 10' 2 x 12's down to 113-1/2" Long (Item #3)
- Cut the two 14' 2 x 12's down to 162-1/2" (Item #4)
- Cut two of the 10' 2 x 12's down to 102-1/2" (Item #5)
- See detail #6 on Page 2 for instructions for cutting Item #6
- Cut two pcs 60" long out of the 10ft 2 x 8 (Item #7)
- See Details 8 & 9 on Page 2 for instructions on cutting Items #8 & 9
- See details #10-12 on Page 3 for instructions for cutting Items #10-12
- Cut the two 18' 2 x 6's down to 200-1/2" (Item #13)
- Cut two of the 12' 2 x 6's down to 137-1/2" (Item #14)



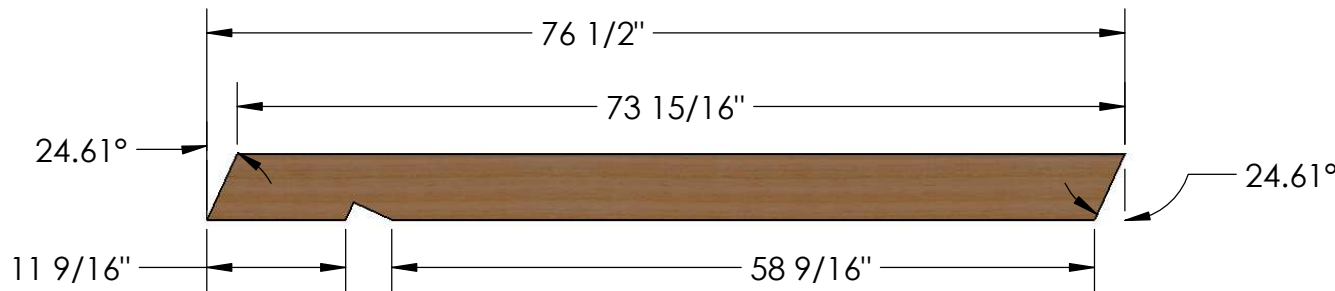
Item No. 6 Material: 2 x 6 Lumber x 48" Long
Qty.: 8



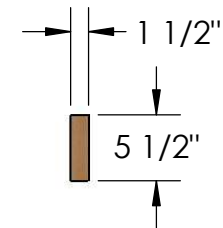
Using four of the 8ft 2 x 6's cut two pcs 48" long with a 45° angle on each end out of each one (Item #6) for a total of eight pcs. See Attachments 001 at the end of these instructions for cutting templates.



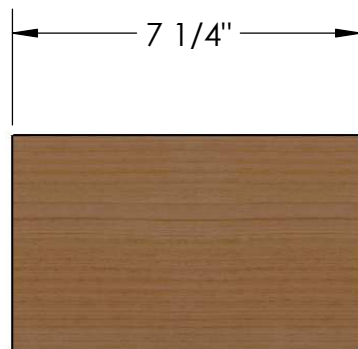
Item No. 8 Material: 2 x 6 Lumber x 76-1/2" Long
Qty.: 10



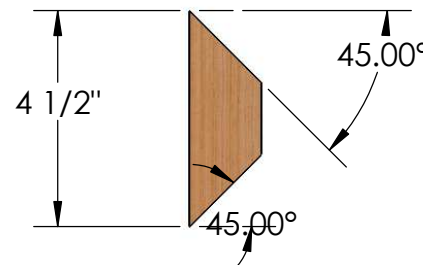
Using ten of the 8ft 2 x 6's cut one pc 76-1/2" long with a 24.6° angle on each end as shown below (Item #25) for a total of ten pcs. Then cut a bird's mouth notch out of the bottom of each one as shown below. See Attachment 002 at the end of these plans for a cutting template for the bird's mouth.



Item No. 9 Material: 2 x 6 Lumber x 7-1/4" Long
Qty.: 2

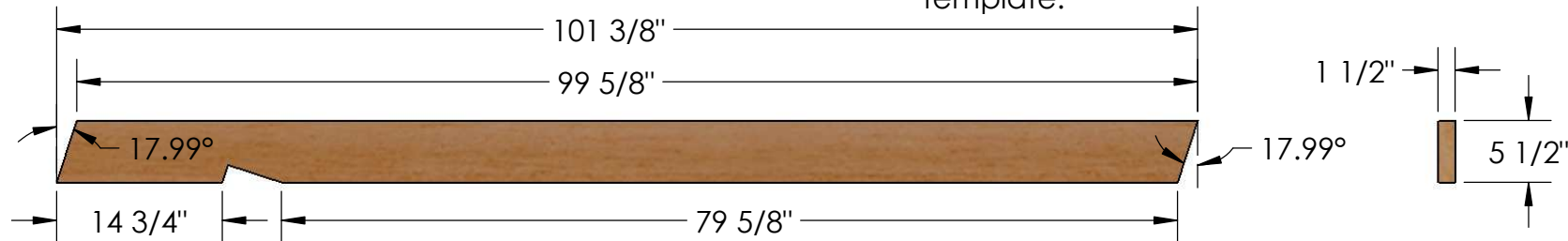


Using the 2 x 6's left over from cutting the rafters, cut two pcs 7-1/4" long and then cut a 45° chamfer on each side as shown below.



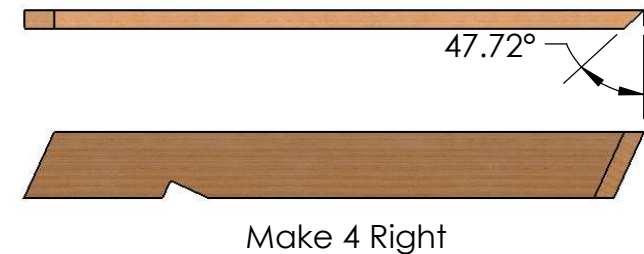
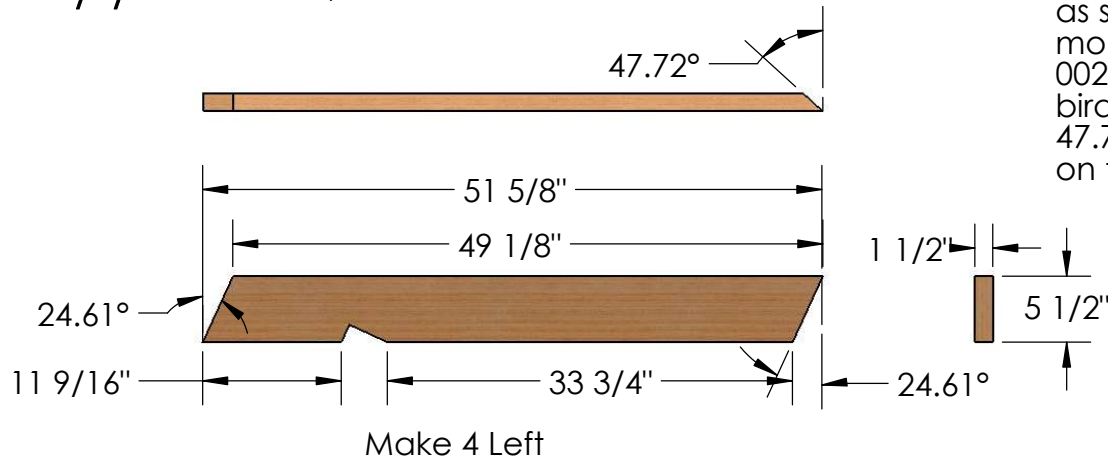
Item No. 10 Material: 2 x 6 Lumber x 101-3/8" Long
Qty.: 4

Using four of the 10ft 2 x 6's cut four pcs 101-3/8" long with a 18° angle on each end (Item #10) as shown below. Then cut a bird's mouth in the bottom side as shown below. See Attachment 003 at the end of these plans for a cutting template.



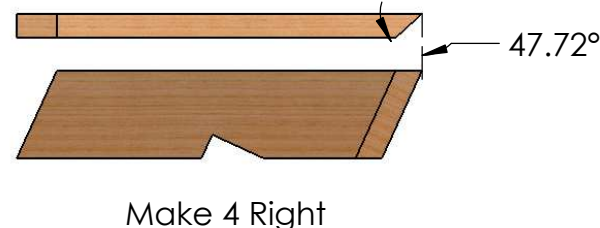
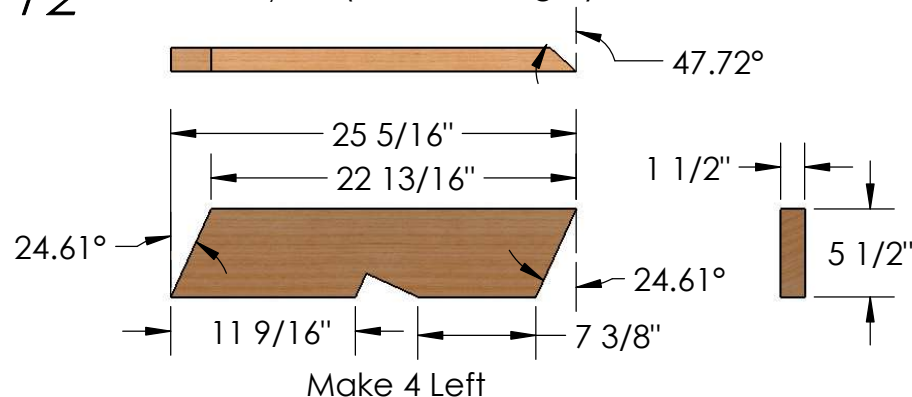
Item No. 11 Material: 2 x 6 Lumber x 51-5/8" Long
Qty.: 8 (4 Left & 4 Right)

Using four of the 10ft 2 x 6's cut two pcs 51-5/8" long out of each one with a 24.6° angle on each end (Item #11) as shown below for a total of eight pcs. Then cut a bird's mouth in the bottom side as shown below. See Attachment 002 at the end of these plans for a cutting template for the bird's mouth. The top angle must then be trimmed off at a 47.7° angle on one side as shown, four pcs should be trimmed on the left side and four on the right. See illustrations below.

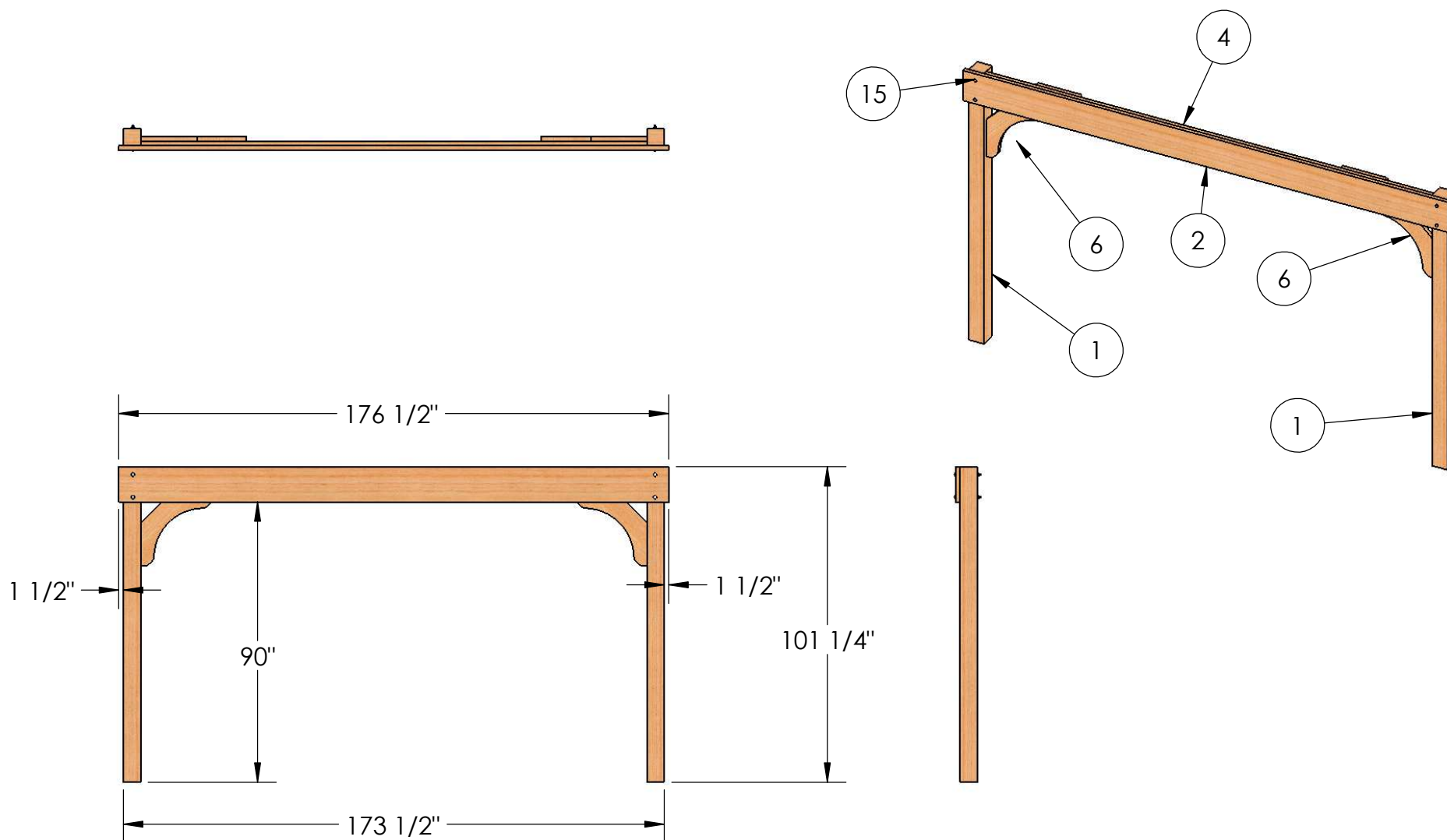


Item No. 12 Material: 2 x 6 Lumber x 25-5/16" Long
Qty.: 8 (4 Left & 4 Right)

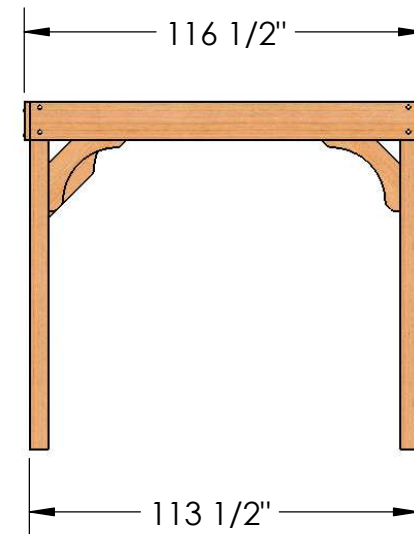
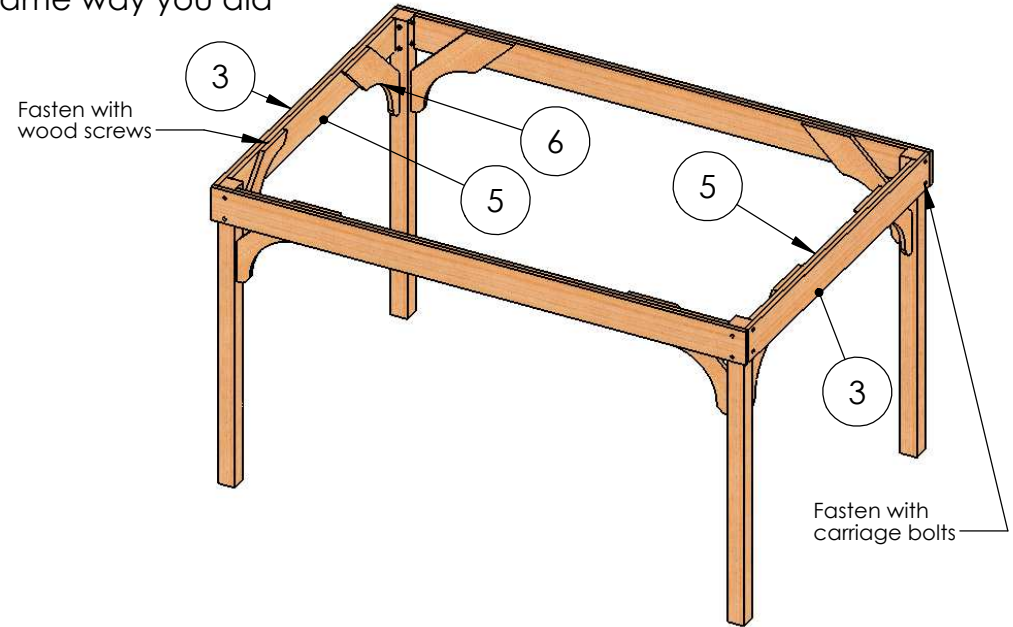
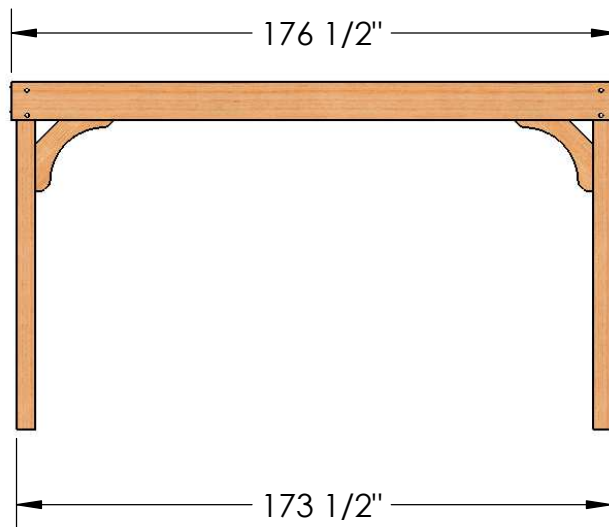
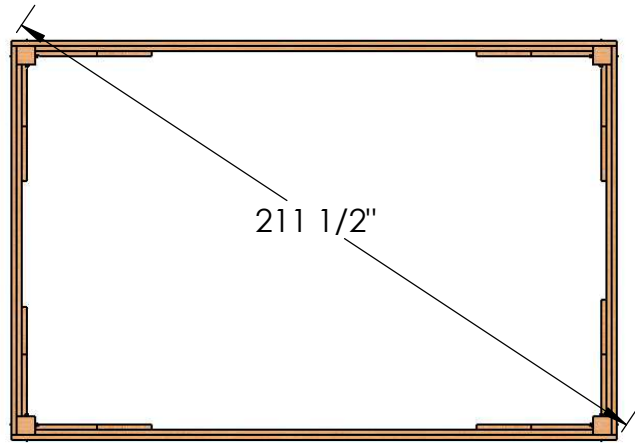
Using two of the 10ft 2 x 6's cut eight pcs 25-5/16" long with a 24.6° angle on each end (Item #12) as shown below. Then cut a bird's mouth in the bottom side as shown below. See Attachment 002 at the end of these plans for a cutting template for the bird's mouth. The top angle must then be trimmed off at a 47.7° angle on one side as shown, four pcs should be trimmed on the left side and four on the right.



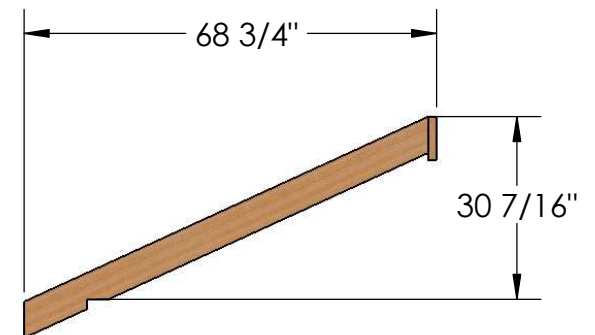
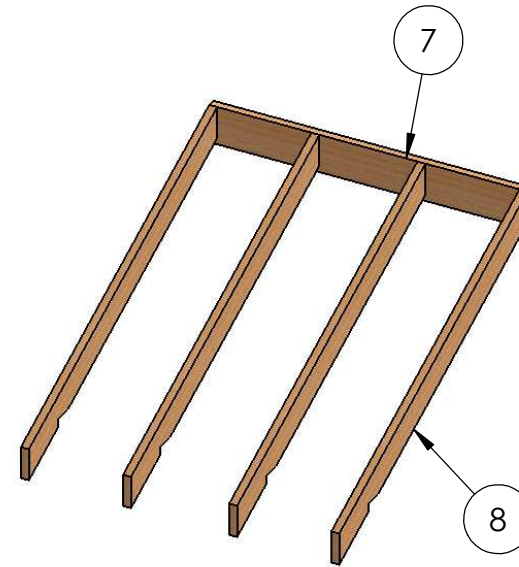
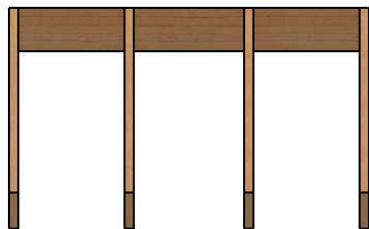
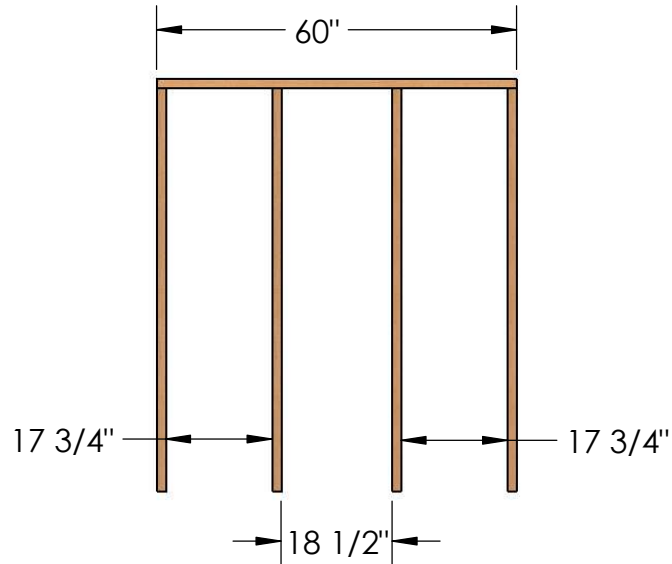
Lay out the Gazebo Base as shown below with the 176-1/2" 2 x 12 stringers (Item #2) on the front side and drill two 1/2" holes through the stringer and the leg at each end. Be sure that the legs are square and fasten with carriage bolts with nuts and washers. Then position the 162-1/2" 2 x 12 inside stringer (Item #4) in between the legs. Make sure that the boards are flush on the top and fasten together using 2" wood screws. Measure from corner to corner to be sure that the frame is square. Finally install the corner braces (Item #6) in each corner as shown. Secure using 3" wood screws. Build two of these.



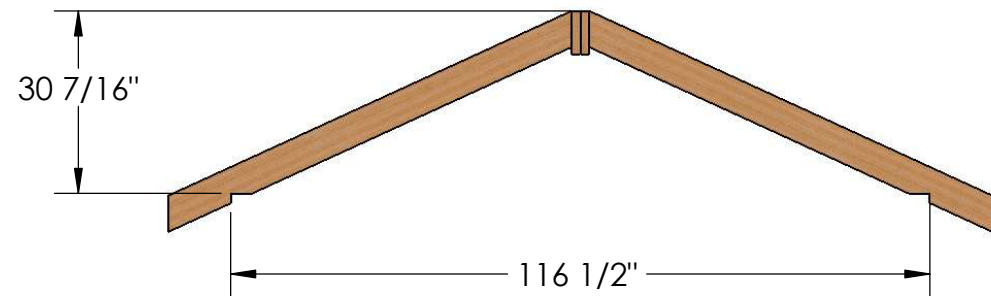
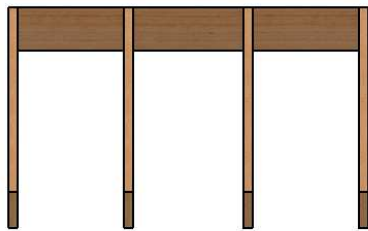
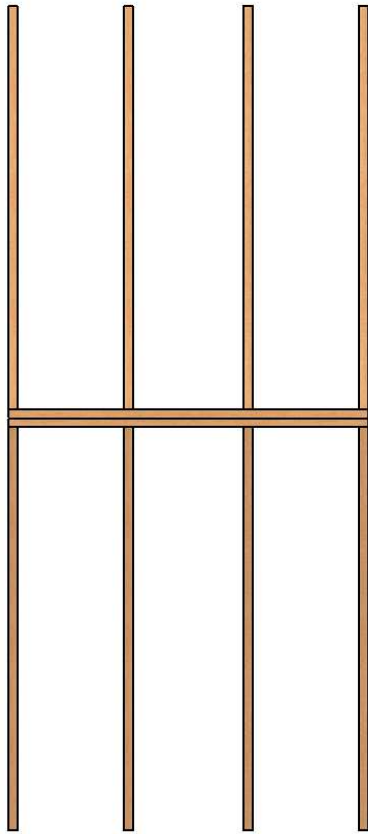
Stand up the leg assemblies as shown below. Then install the side stringers (Item #3) in between the legs and secure by drilling two more 1/2" holes through each leg and fastening with carriage bolts with nuts and washers, be sure to drill your holes at a different height than the front holes so that your bolts don't hit each other. Next install the inside side stringers (Item #5) between the legs as shown, fasten with 2" wood screws. Finally install corner braces on the sides of the frame the same way you did the front ones. See illustration below.



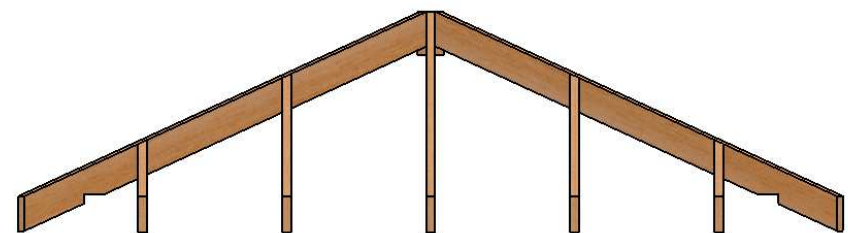
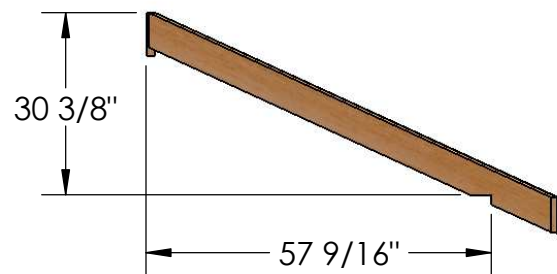
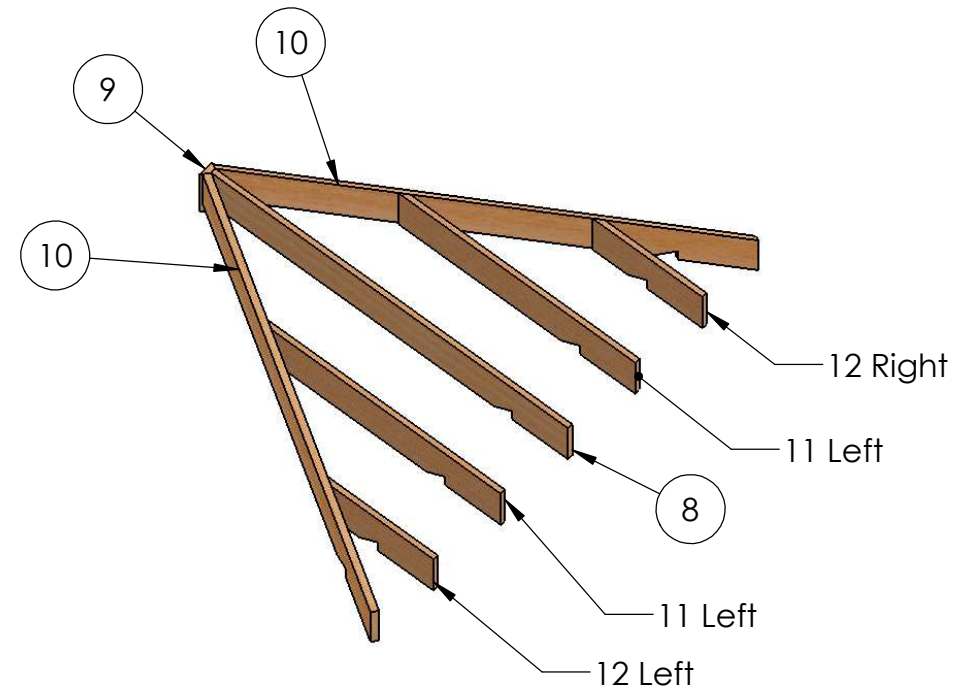
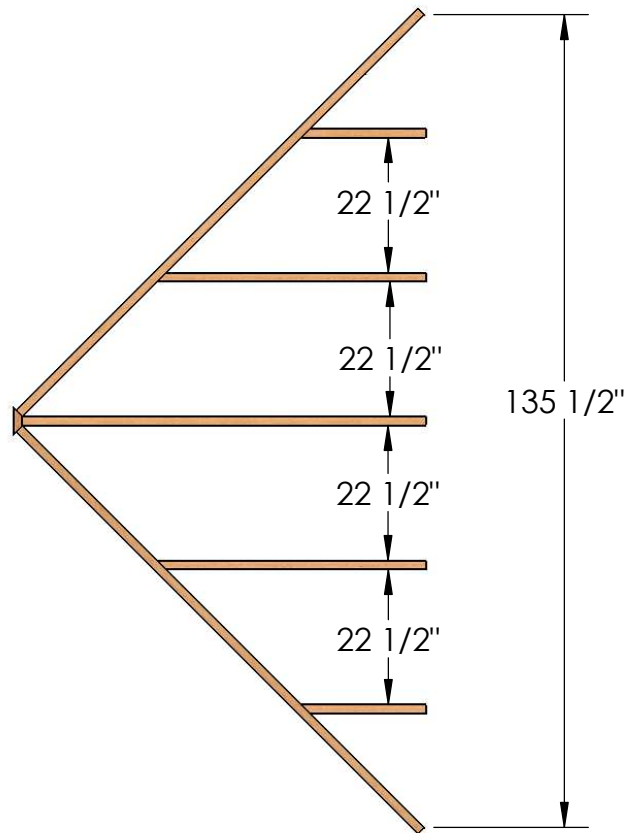
Fasten five of Rafter 001 (Item #8) to one of the roof stringers (Item #7) as shown below using 3" wood screws through the stringer into each rafter. Make two of these.



Clamp the two rafter assemblies that you made together and use 3" wood screws to fasten them together.

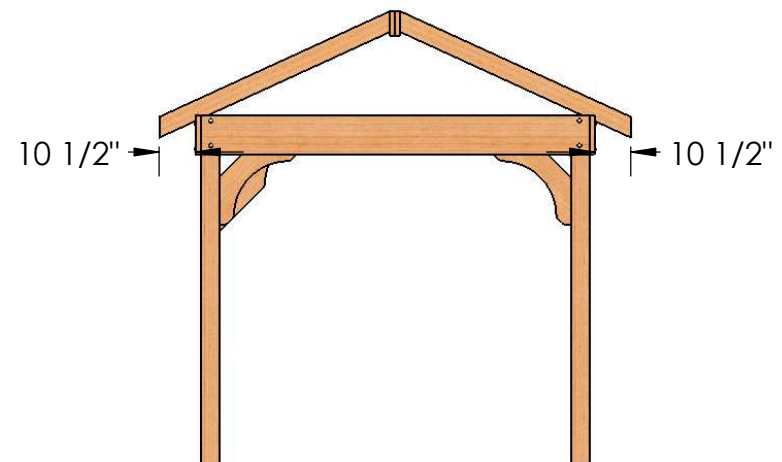
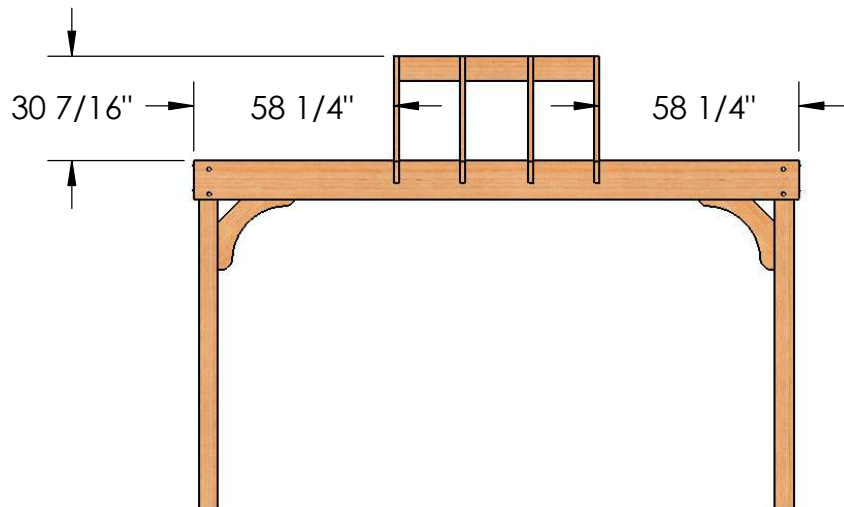
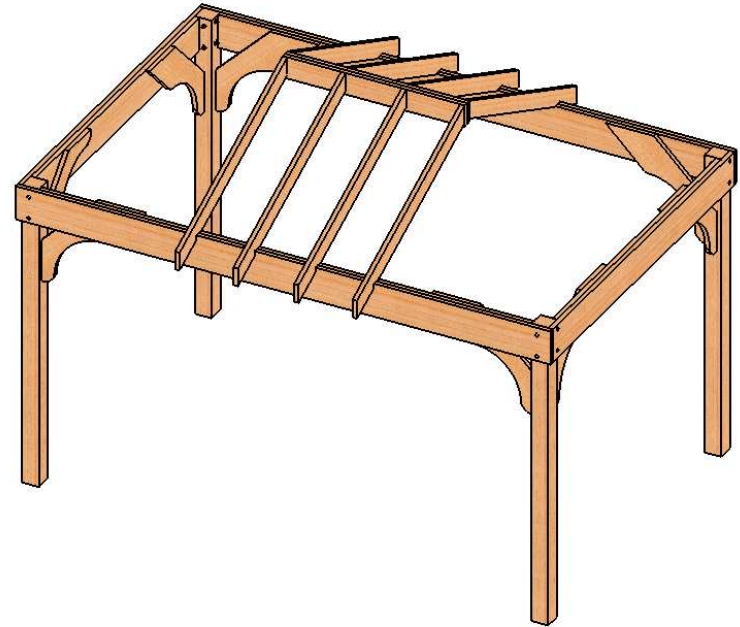
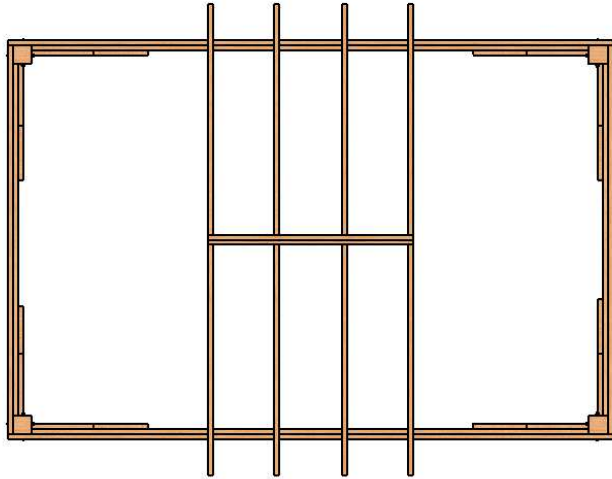


Put the end rafter assemblies together by starting with Item #9 and screwing Items #8 and 10 to the center block as shown below. Use 3" wood screws. Then attach the hip rafters Items #11 and 12 as shown, use one left and one right of each per assembly. Make two of these.

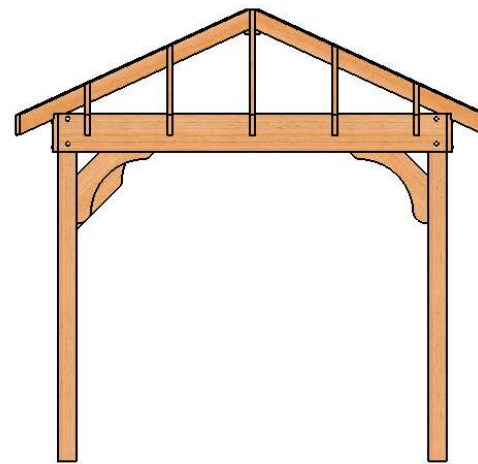
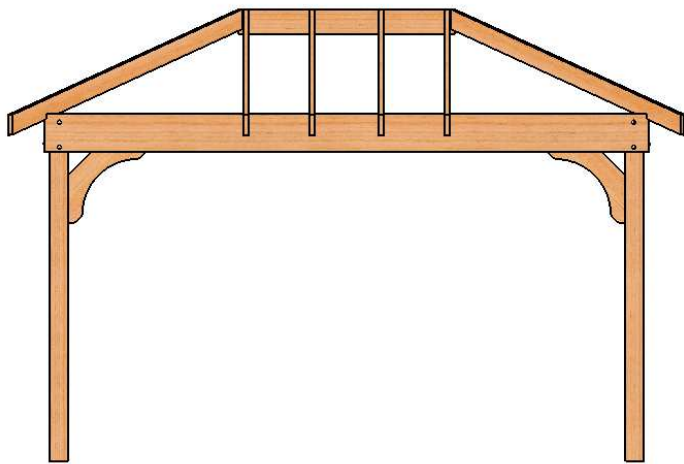
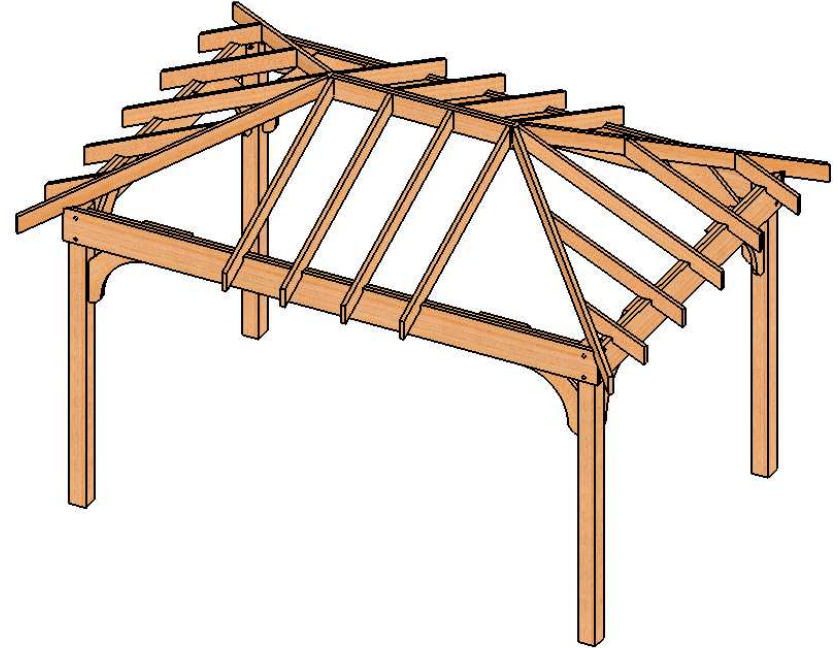
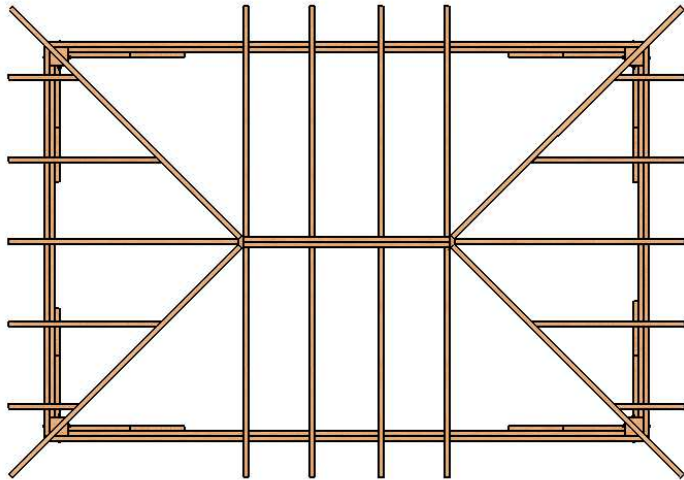


Step 5 - Install Center Rafter Assembly

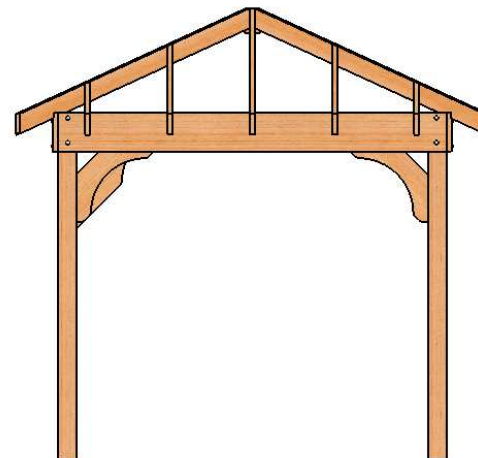
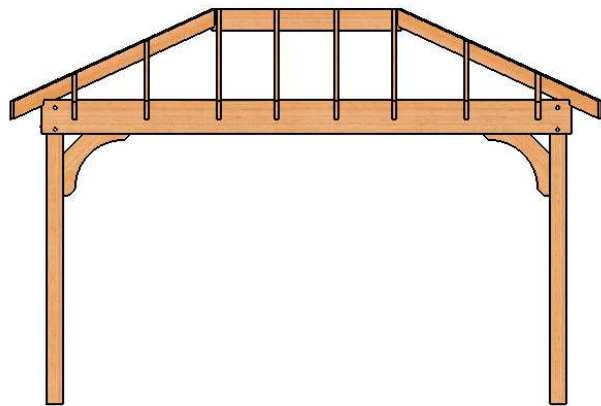
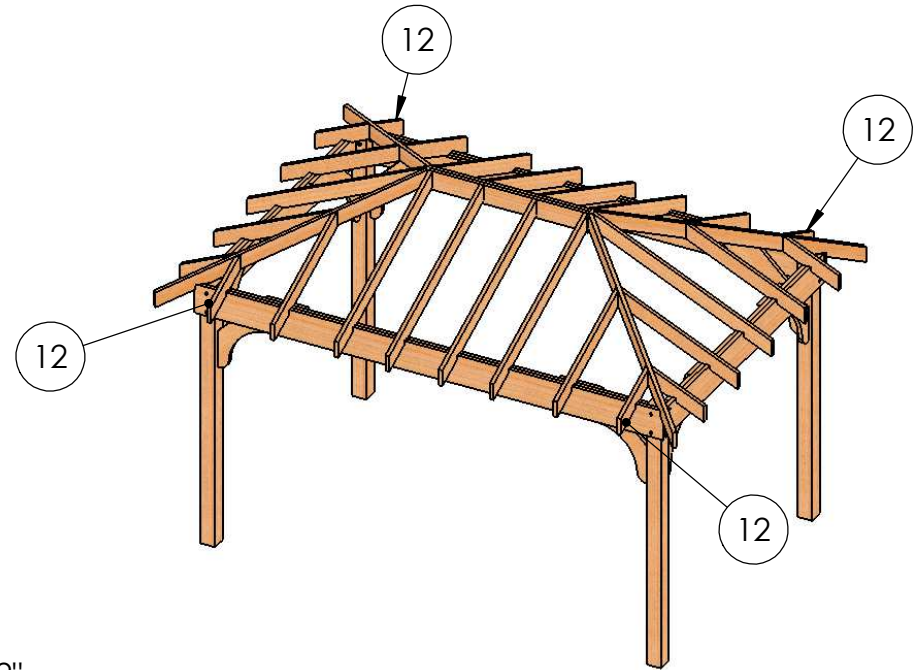
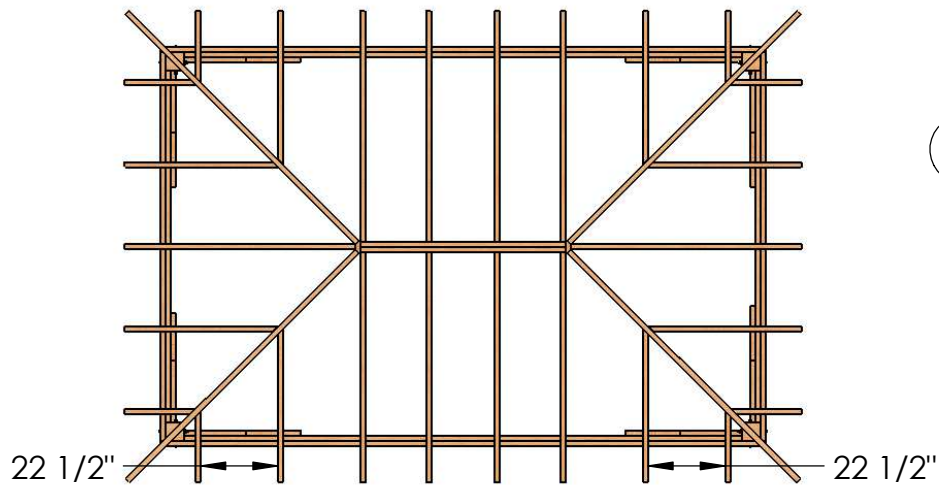
Have some helpers and lift the center rafter assembly onto the gazebo frame. Make sure that it is centered on the frame and the rafters are straight and fasten it to the frame by driving 3" wood screws through each rafter at an angle into the top of the frame.



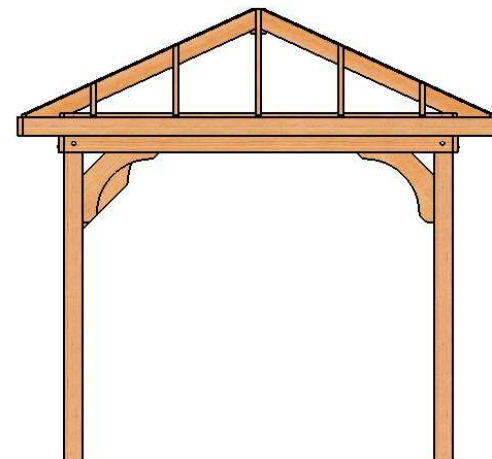
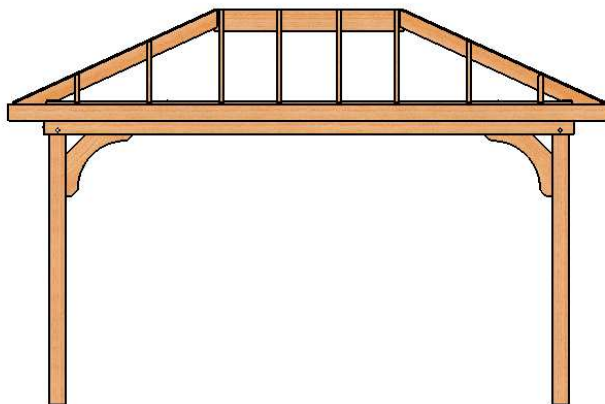
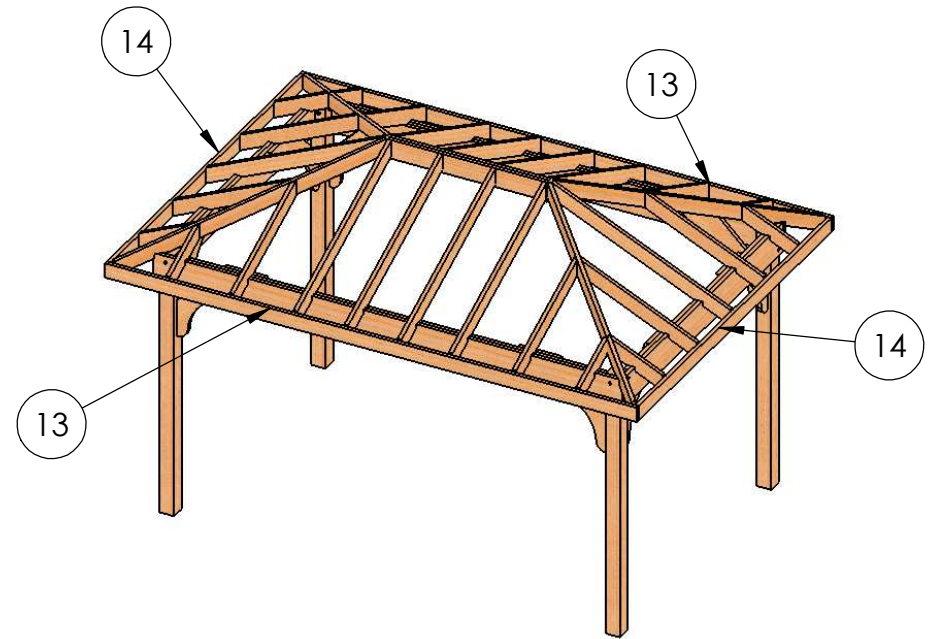
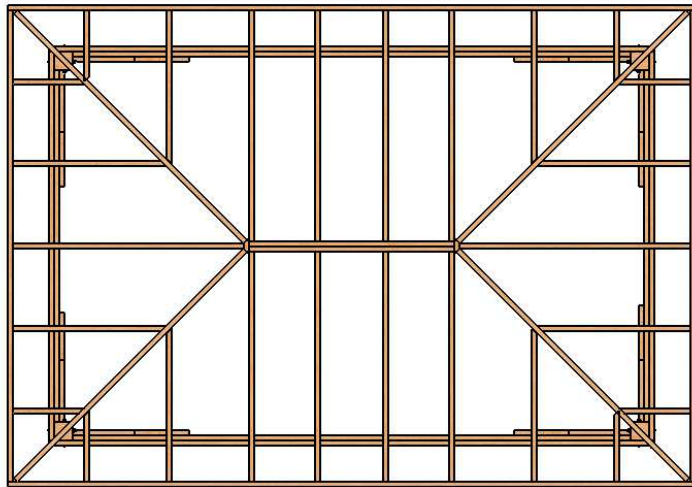
Have your helpers help lift the end rafter assemblies onto the top of the gazebo frame and fasten the same way as the center rafter assembly. Screw the end rafters to the center rafters at the top.



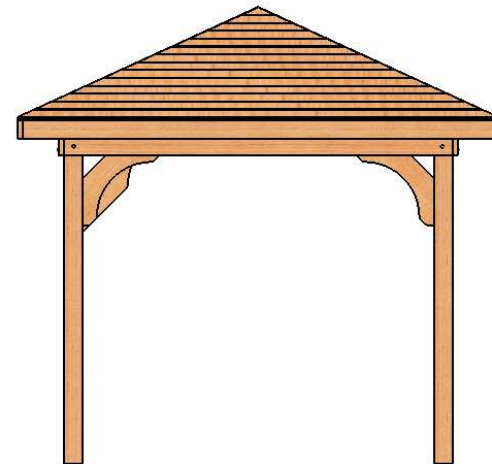
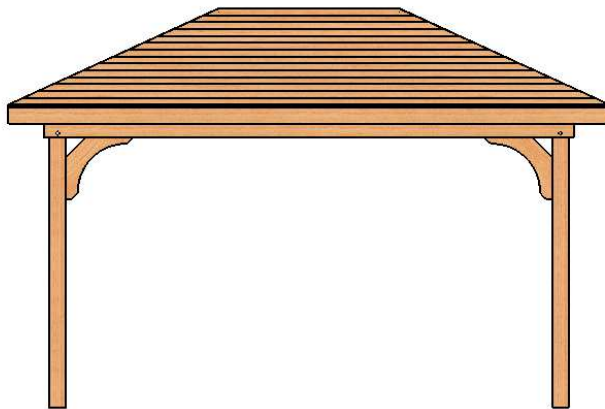
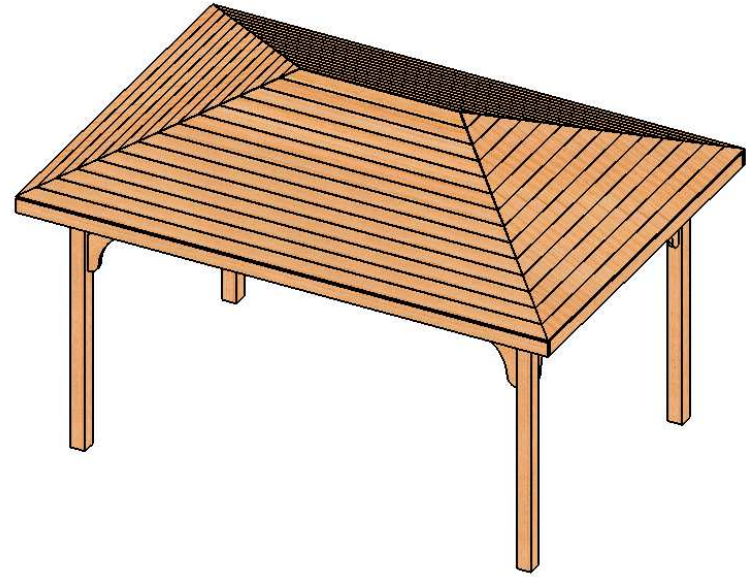
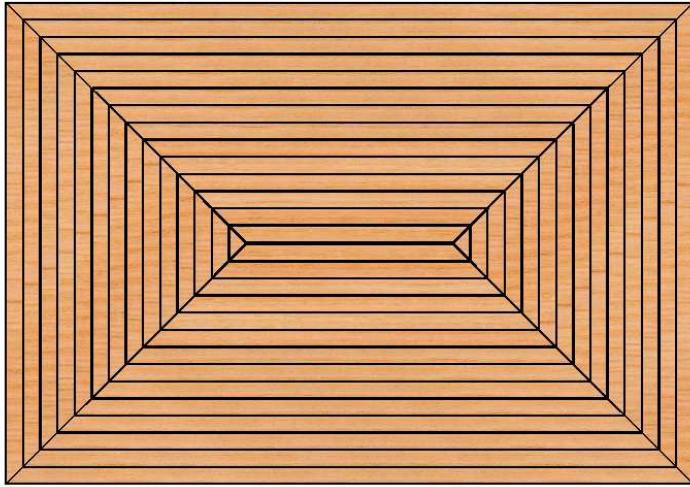
Install the last four hip rafters (Item #12) on the front and rear of the gazebo frame as shown below. Fasten to the frame and end rafter assembly using 3" wood screws.



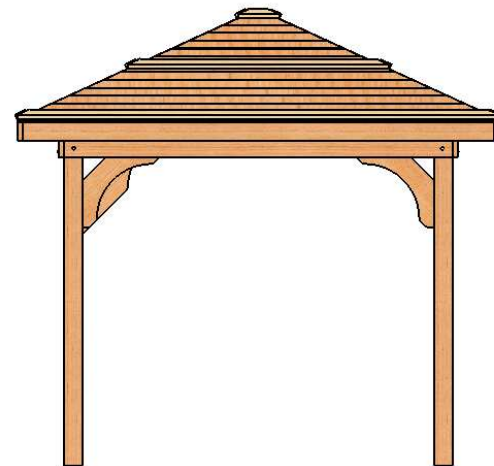
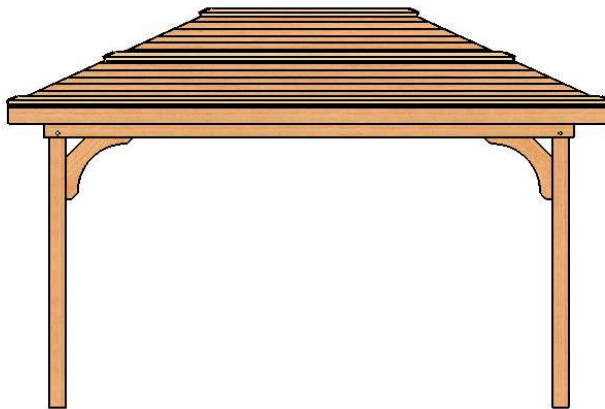
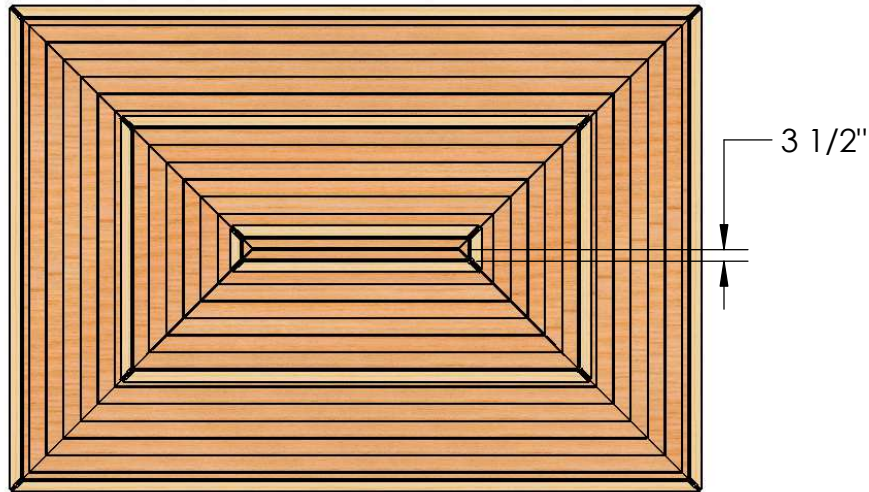
Install the roof trim boards (Items #13 & 14) as shown below by screwing them to the end of each rafter with 3" wood screws.



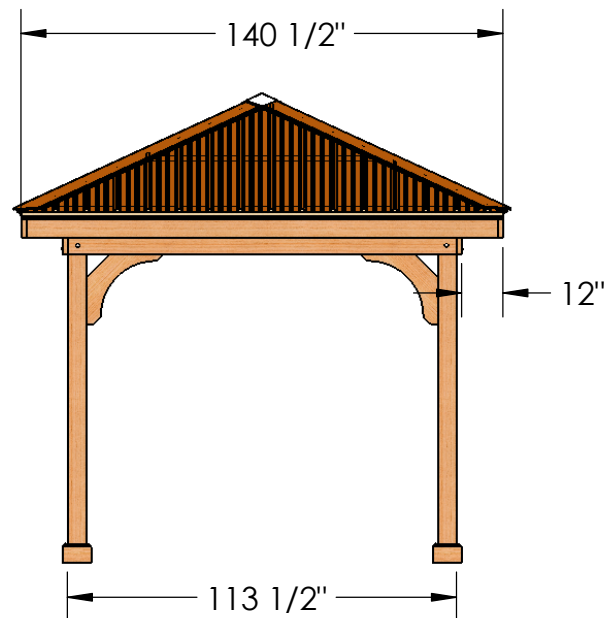
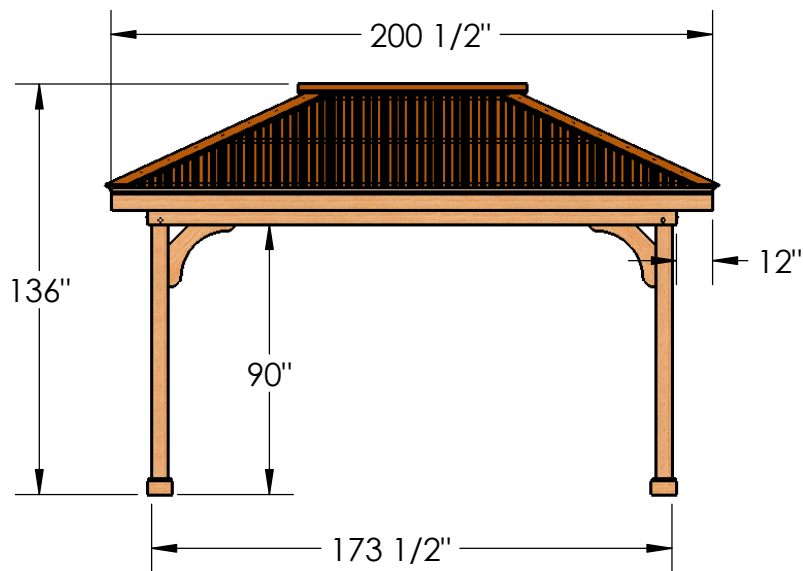
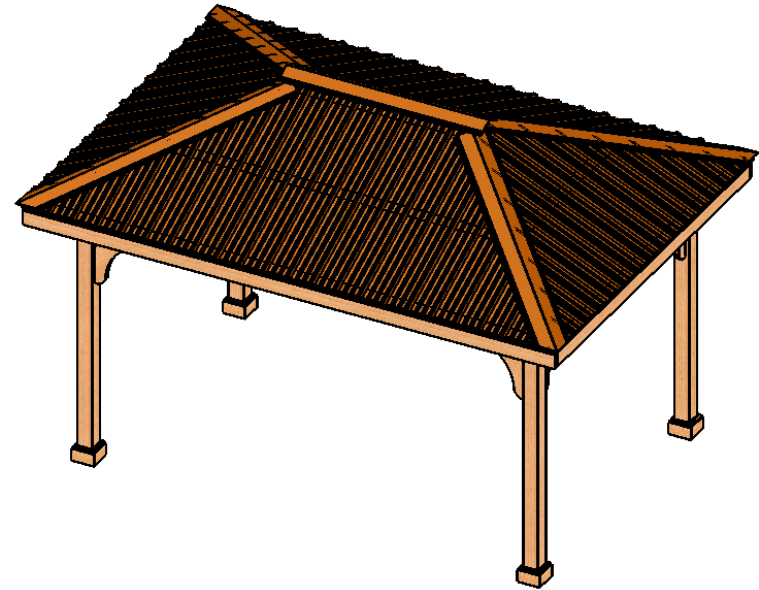
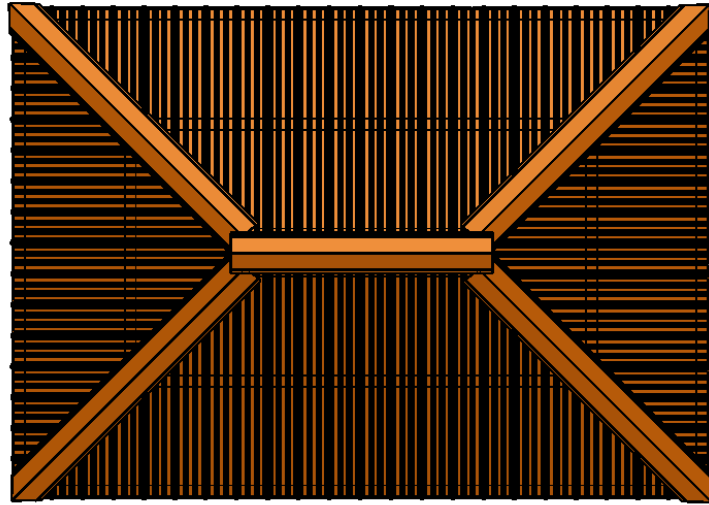
Cut the tongue and groove planks to fit and use to cover the roof, making sure that any seams are centered on a rafter. Fasten the planks to the rafters with 2" wood screws.



Field measure and cut 2 x 4's to go around the roof as shown. Put one row around the very bottom of the roof. Place the top row about 3-1/2" below the peak of the roof. Place a row around the center of the roof spaced evenly between the top and bottom rows. You will screw the roof sheeting to these 2 x 4's.



Install the roof sheeting and ridge cap per manufacturer's instructions.





Item #6
Actual Size

Attachment 001

Item #6
Actual Size

Attachment 001

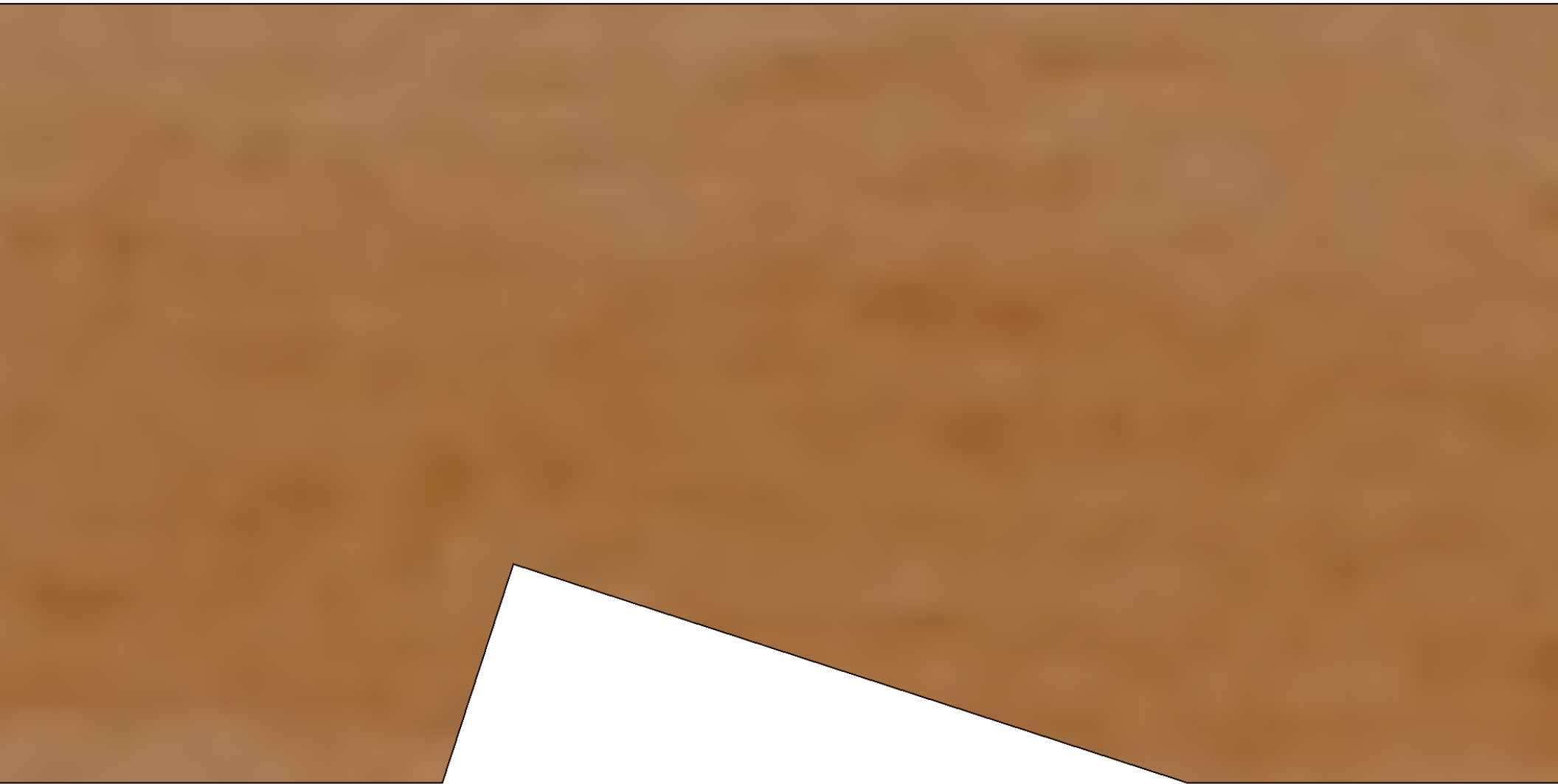


Item #6
Actual Size

Attachment 001



Item #8, #11, & 12
Actual Size
Use for bird's mouth



Item #10, #12 & #13
Actual Size
Use for bird's mouth

Attachment 003

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