









## 14' x 14' Gazebo with Hip Roof

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	10ft 6 x 6	6 x 6 Lumber x 120" Long	4
2	Front Stringer	2 x 10 Lumber x 168" Long	2
3	Side Stringer	2 x 10 Lumber x 165" Long	2
4	Brace 001	2 x 6 Lumber x 48" Long	8
5	Rafter 001	2 x 8 Lumber x 148-7/16" Long	2
6	Rafter 002	2 x 8 Lumber x 147-5/8" Long	2
7	Center Rafter	2 x 8 Lumber x 113-7/16" Long	4
8	Rafter 003	2 x 8 Lumber x 85-7/16" Long	4
9	Rafter 004	2 x 8 Lumber x 85-7/16" Long	4
1	Rafter 005	2 x 8 x Lumber 56-5/8" Long	4
1	Rafter 006	2 x 8 Lumber x 56-5/8" Long	4
1	Rafter 007	2 x 8 Lumber x 27-15/16" Long	4
1	Rafter 008	2 x 8 Lumber x 27-15/16" Long	4
1	Eave Board	2 x 8 Lumber x 193-7/16" Long	4

## Step 1 - Cut Boards to Length

- Items # 1 & 2 do not need to be cut
- Cut 2 pcs 165" Long out of two of the 14ft 2 x 8's (Item # 3)
- Cut 8 pcs 48" long out of the four 8ft 2 x 6's (Item # 4) See Page 2 for angle detail
- Cut Rafters 001 (Item # 5) and Rafters 002 (Item # 6) out of four of the 14ft 2 x 8's See Page 5 for cutting instructions
- See pages 9-11 for instructions for cutting Items # 7-14

### Raw Materials Needed

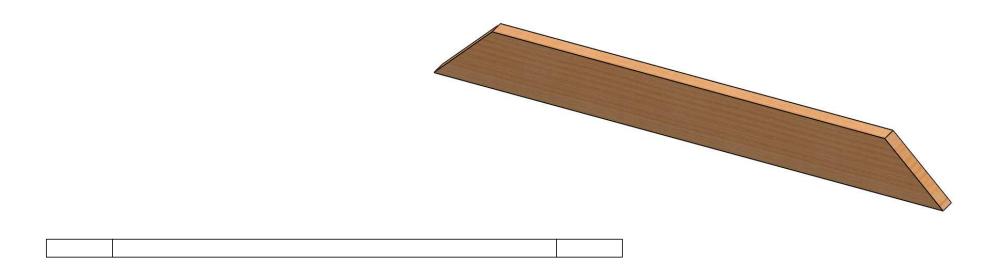
DESCRIPTION	QTY.
6 x 6 x 10ft Long	4 pcs
2 x 10 x 14ft Long	4 pcs
2 x 8 x 18ft Long	4 pcs
2 x 8 x 14ft Long	4 pcs
2 x 8 x 10ft Long	4 pcs
2 x 8 x 8ft Long	16 pcs
2 x 6 x 8ft Long	4 pcs
15/32" x 4' x 8' Plywood	12 pcs
#9 x 2-1/2" Exterior Screws	15 lbs
1/2" x 8" Carriage Bolts	16 pcs
1/2" Flat Washers	16 pcs
1/2" Flange Nuts	16 pcs
Aluminum Drip Edge	70 ft
Roofing Underlayment	1 roll
Shingles	320 Sq. Ft.
Ridge Cap	50 ft

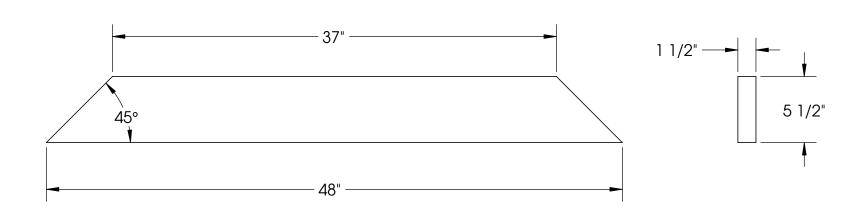


Item No. Material: 2 x 6 Lumber x 48" Long

Qty.: 8

Using the eight 48" Long  $2 \times 6$ 's that you cut in Step 1 (Item No. 3) Miter cut a  $45 \degree$  angle on each end as shown below.



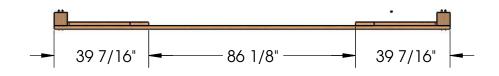


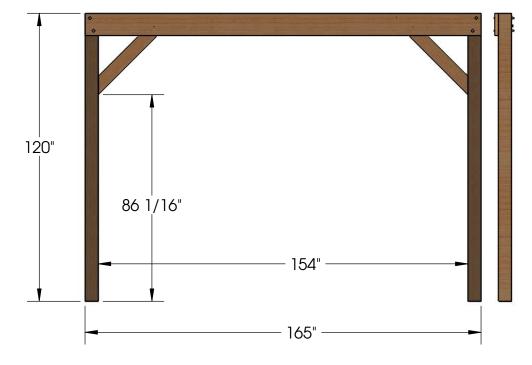
Item No. Material: Gazebo End Qty.: 2

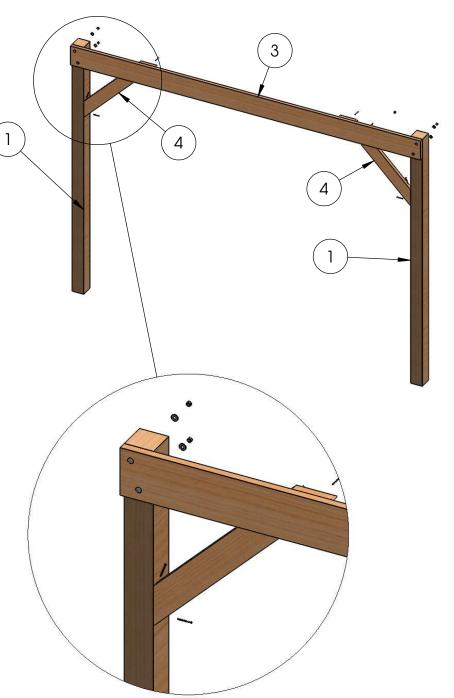
1 A

below.

Lay out 2 of the 10'  $6 \times 6$ 's (Item # 1) 154" apart and lay a 165"  $2 \times 10$  (Item # 3) across the top of them. Start with one side and square up the 2 x 10 and make sure it is flush with the edge and top of the 6 x 6. Then drill two 1/2" holes through both boards in a diagonal pattern. See illustration below. Bolt boards together using two 1/2" x 8" Carriage Bolts and nuts and washers. Repeat with the other side. Next screw in braces (Item #4) using 2-1/2" Deck Screws. Screw brace to top board first, then make sure end is square before screwing brace to 6 x 6 leg. See illustration







Stand up the 2 Gazebo Ends (Item #1A) that you assembled in Step 3 (this will require more than one person). Then clamp the 14ft 2 x 10's (Item #2) to each side and drill and bolt with 1/2" x 8" Carriage Bolts the same way you did in Step 3. Finally, make sure the sides and top are square by cross measuring and screw the Leg Braces (Item #4) to the sides the same way you did in Step 3. See illustrations below and on Page 3. Item No. Material: Gazebo Base Qty.: 1 1*B* 237 9/16" 237 9/16" 1A 168 168"

86 1/16"

120"

205 1/4"

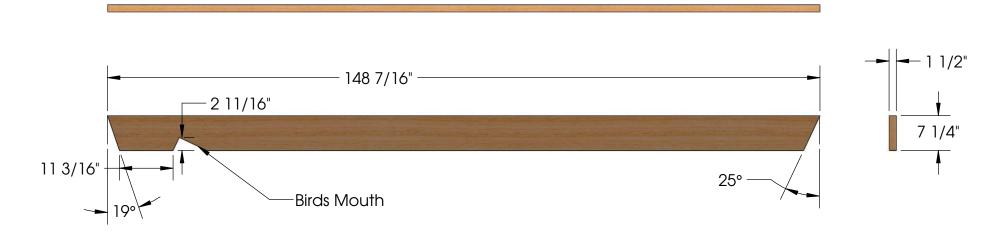
154"

165"

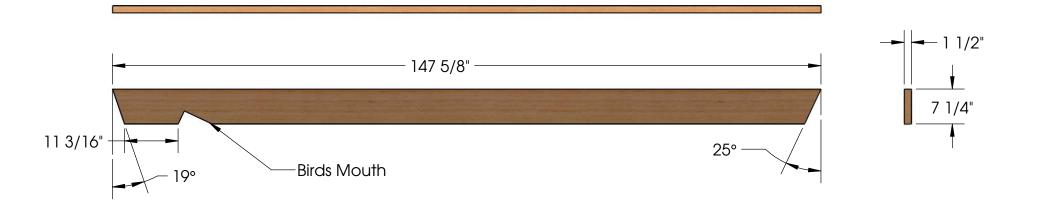
205 1/4"

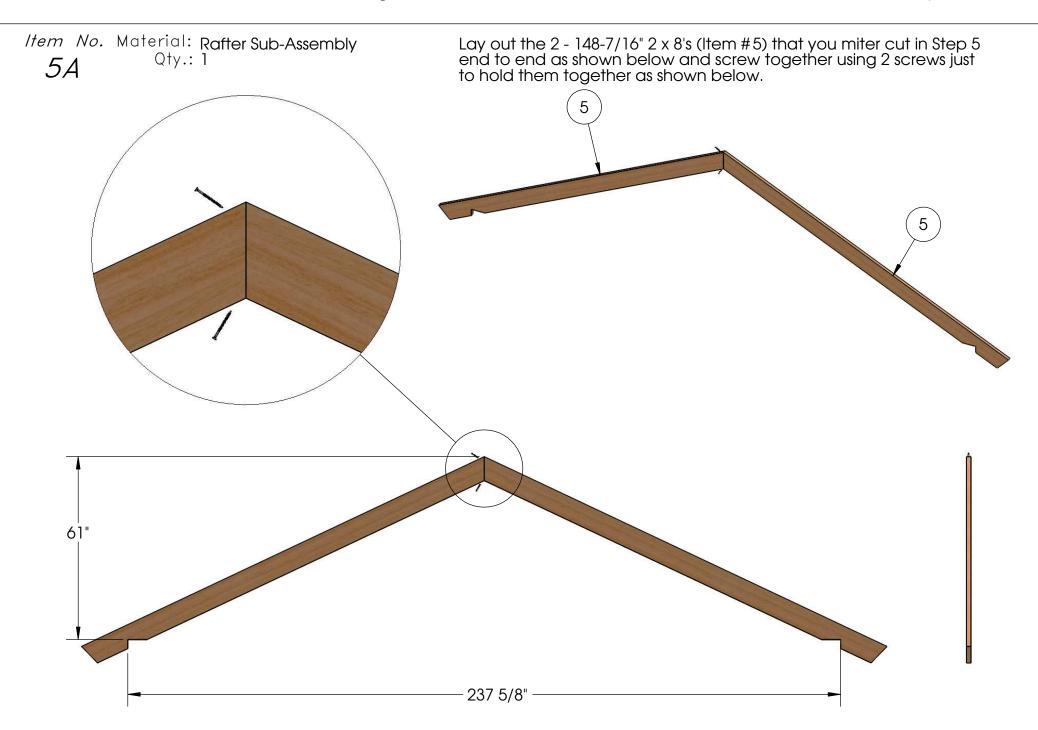
*Item No.* Material: 2 x 8 x 148-7/16" Long 5

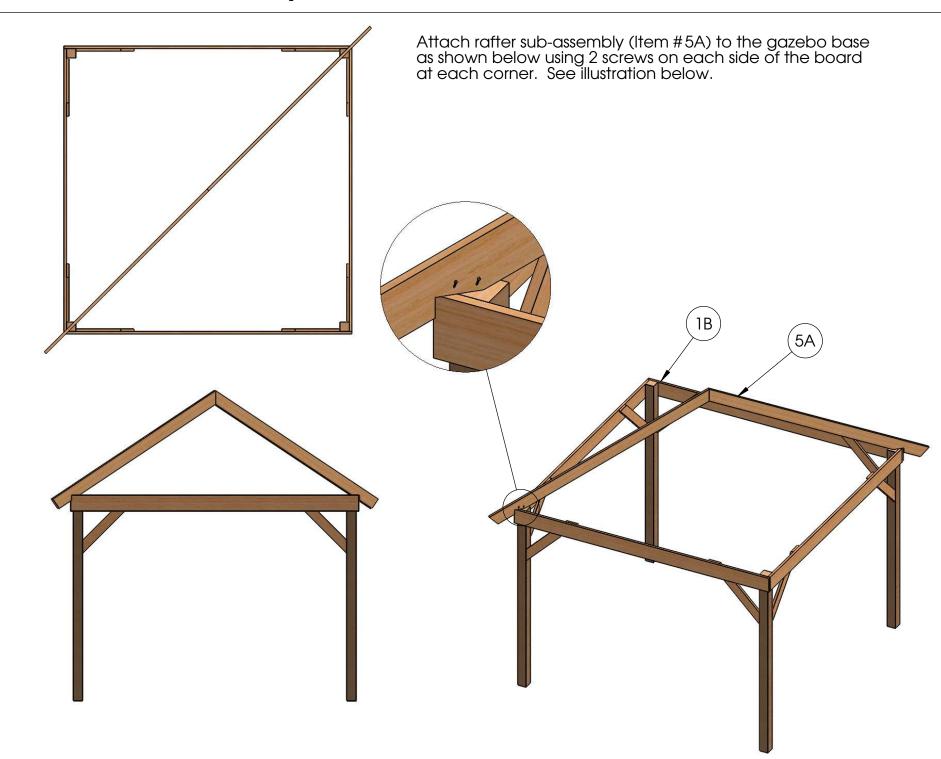
Using four 14ft 2 x 6's cut Rafter 001 (Item #5) and Rafter 002 (Item #6) as shown below. See Attachment 001 and Attachment 002 at the end of these instructions for templates for the birds mouth and angles.



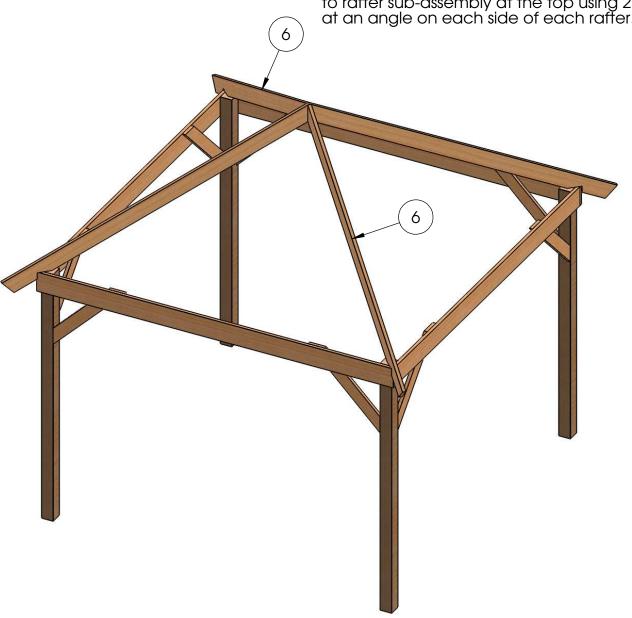
*Item No.* Material: 2 x 8 x 147-5/8" Long 6 Qty.: 2



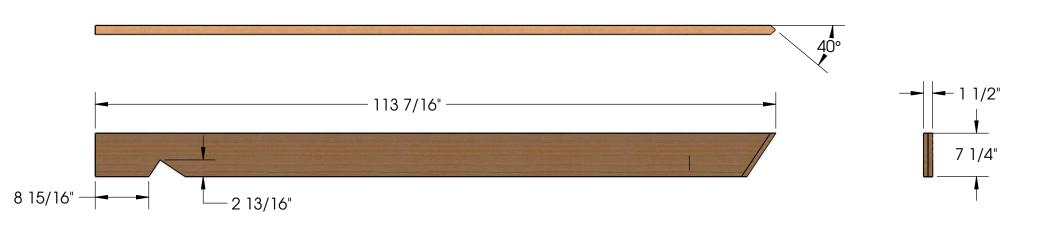




Attach the next 2 rafters (Item #6) to the gazebo base as shown below using 2 screws on each side of the board at each corner screwed in at an angle the same way you attached the rafter sub-assembly in Step 7. Screw rafters to rafter sub-assembly at the top using 2 screws screwed in at an angle on each side of each rafter. See illustration below.

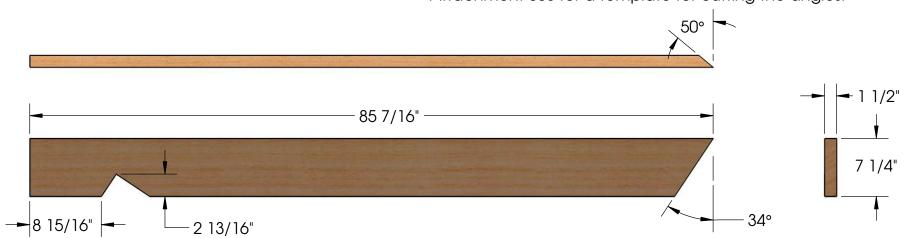


Cut the four 113-7/16" 2 x 8' Center Rafters (Item #7) and cut the angles as shown below. See Attachment 004 at the end of these instructions for a template for cutting the Bird's Mouth. See Attachment 005 for a template for cutting the angles.



Item No. Material: 2 x 8 x 85-7/16" Board 8 Qty.: 4

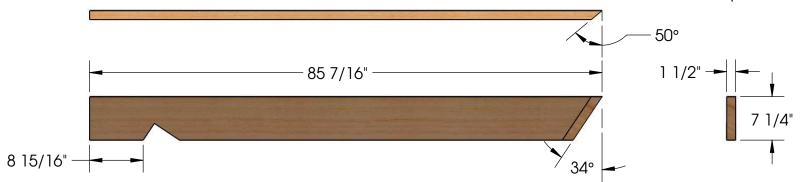
Cut two of the 8ft  $2 \times 8$ 's into two 85-7/16" Rafters 003 (Item #8) and cut the angles as shown below. See Attachment 004 at the end of these instructions for a template for cutting the Bird's Mouth. See Attachment 006 for a template for cutting the angles.

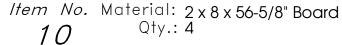


Item No. Material: 2 x 8 x 85-7/16" Board

*9* Qty.: 4

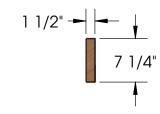
Cut four of the 8ft 2 x 8's into four 85-7/16" Rafters 004 (Item #9) and cut the angles as shown below. See Attachment 004 at the end of these instructions for a template for cutting the Bird's Mouth. See Attachment 007 for a template for cutting the angles.





56 5/8"

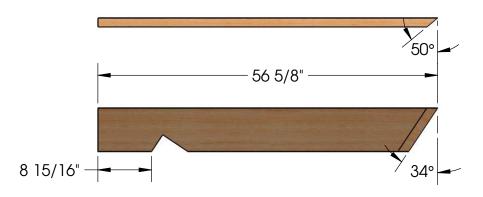
Using four of the 8ft 2 x 8's cut four 56-5/8" Rafters 005 (Item # 10) and cut the angles as shown below. See Attachment 004 at the end of these instructions for a template for cutting the Bird's Mouth. See Attachment 006 for a template for cutting the angles.



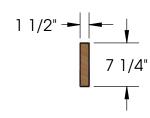
Item No. Material: 2 x 8 x 56-5/8" Board

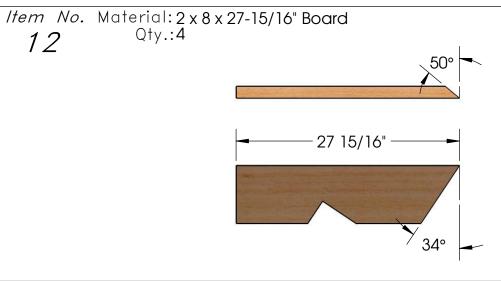
1 Qty.: 4

8 15/16" -

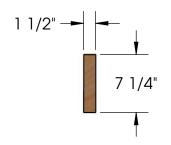


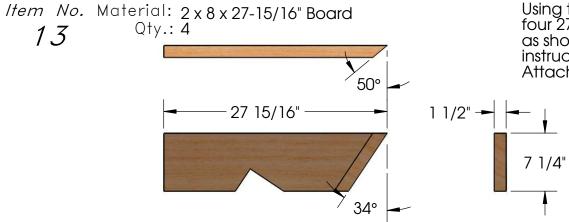
Using four of the 8ft 2 x 8's cut four 56-5/8" Rafters 006 (Item #11) and cut the angles as shown below. See Attachment 004 at the end of these instructions for a template for cutting the Bird's Mouth. See Attachment 007 for a template for cutting the angles.





Using the 2 x 8's left over from cutting Item # 10 Cut four 27-15/16" Rafters 007 (Item # 12) and cut the angles as shown below. See Attachment 004 at the end of these instructions for a template for cutting the Bird's Mouth. See Attachment 006 for a template for cutting the angles.

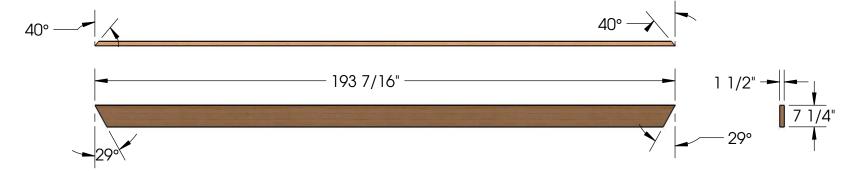


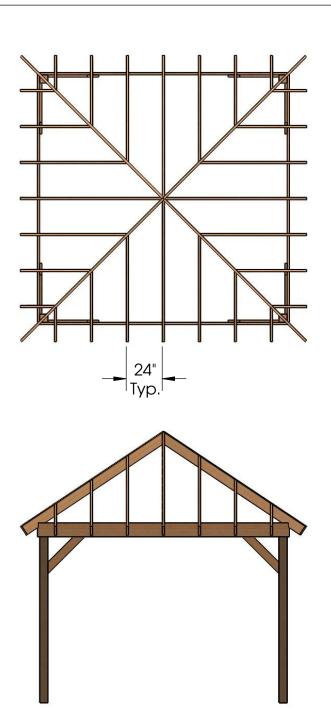


Using the 2 x 8's left over from cutting Item #11 Cut four 27-15/16" Rafters 007 (Item #13) and cut the angles as shown below. See Attachment 004 at the end of these instructions for a template for cutting the Bird's Mouth. See Attachment 007 for a template for cutting the angles.

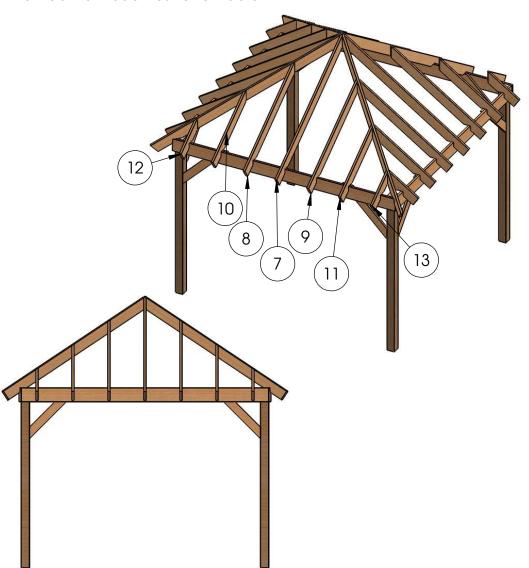
*Item No.* Material: 2 x 8 x 193-7/16" Board 1 4

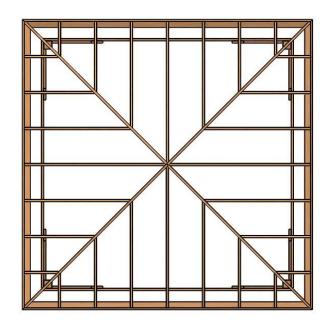
Cut Eave Boards (Item # 14) out of the 18ft  $2 \times 8$ 's to 193-7/16" long with a compound miter on both ends as shown below. See Attachment 008 at the end of these instructions for a template for cutting angles.





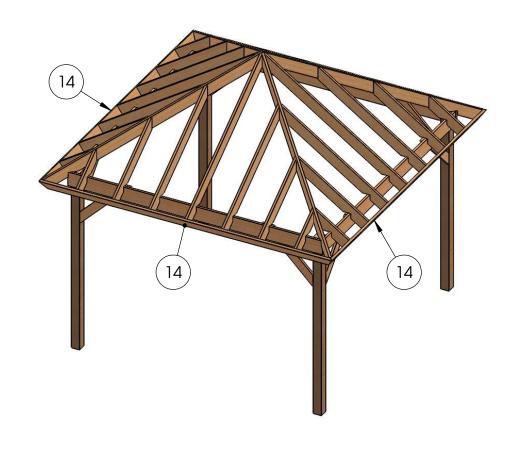
Install the center rafters (Item #7) in the center of each side and the remaining rafters (Items #8, 9, 10, 11, 12, & 13) to the gazebo base as shown below using 2 screws on each side of the board at each corner screwed in at an angle the same way you attached the rafter sub-assembly in Step 7. Screw rafters to rafter sub-assembly at the top using 2 screws screwed in at an angle on each side of each rafter. Space rafters at 24" on center. See illustration below.





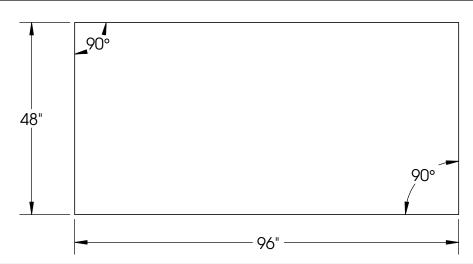


Attach the Eave Boards (Item #14) to the gazebo base as shown below using 2 screws into each rafter. See illustration below.

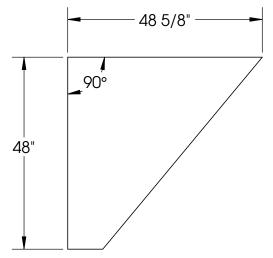


Item No. Material: 1/2" x 48" x 96" Plywood 15

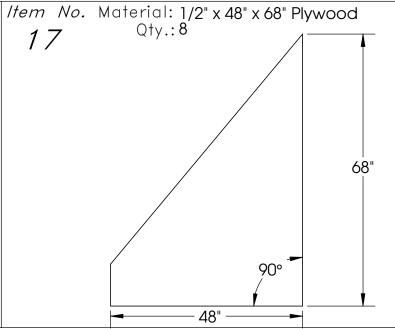
Cut the plywood for the roof sheeting as shown. See sheet layout on the next page for instructions on how to lay Items # 16 & 17 out on a 4 x 8 sheet.

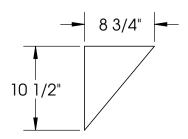


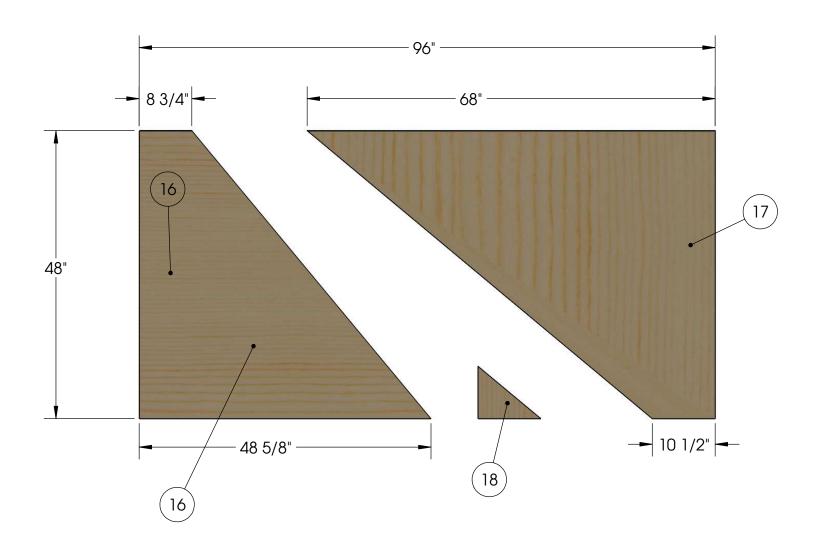
16 No. Material: 1/2" x 48" x 48-5/8" Plywood Qty.:8

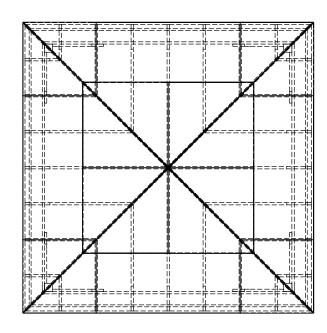


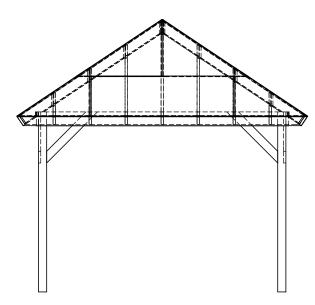
/tem\_No. Material: 1/2" x 10-1/2" x 8-3/4" Plywood 18 Qty.:8





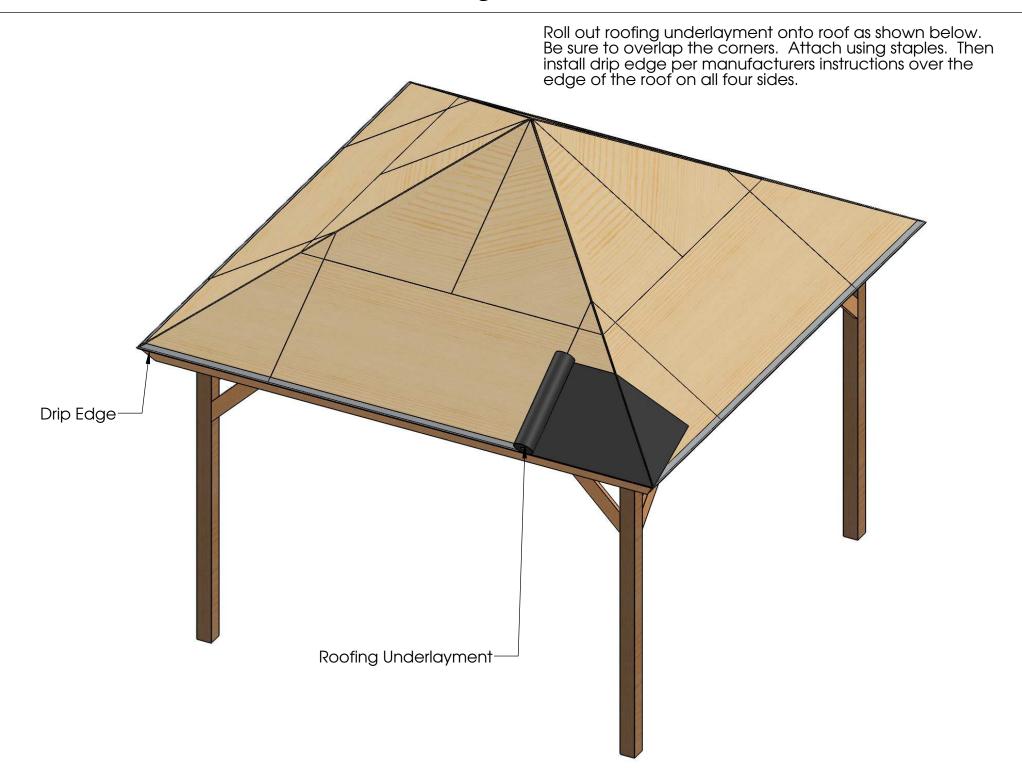






Attach plywood sheeting to the rafters as shown below using deck screws. Make sure that each seam is centered on a rafter.

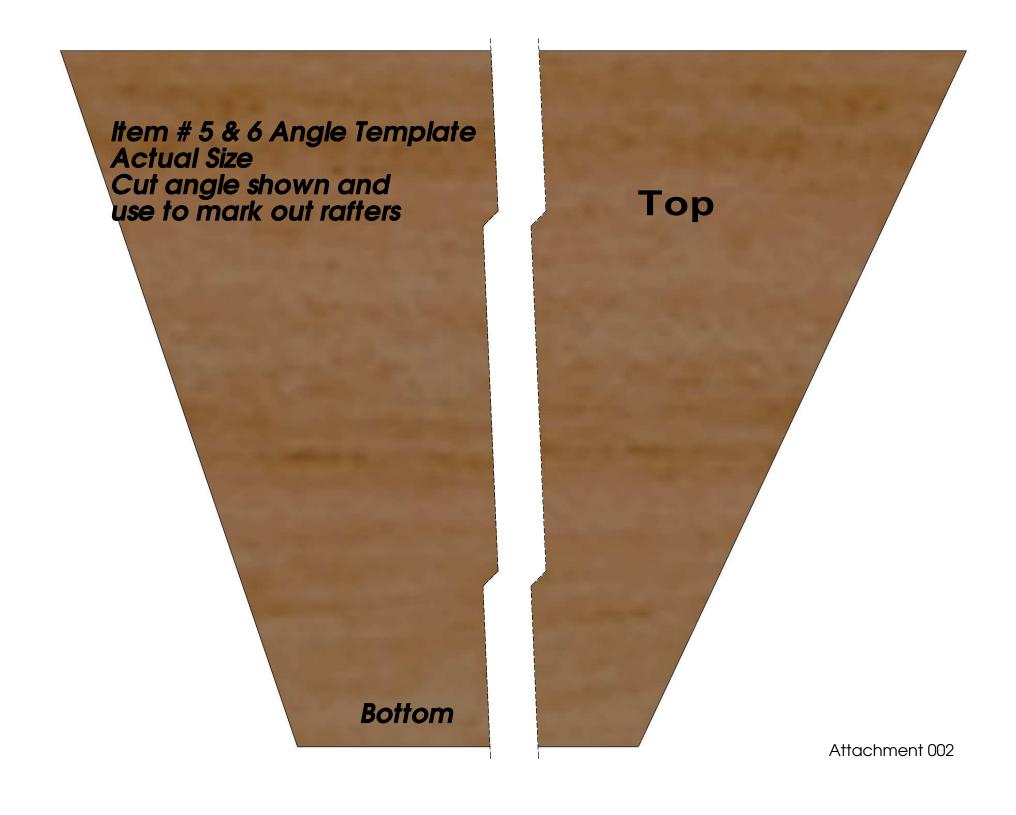




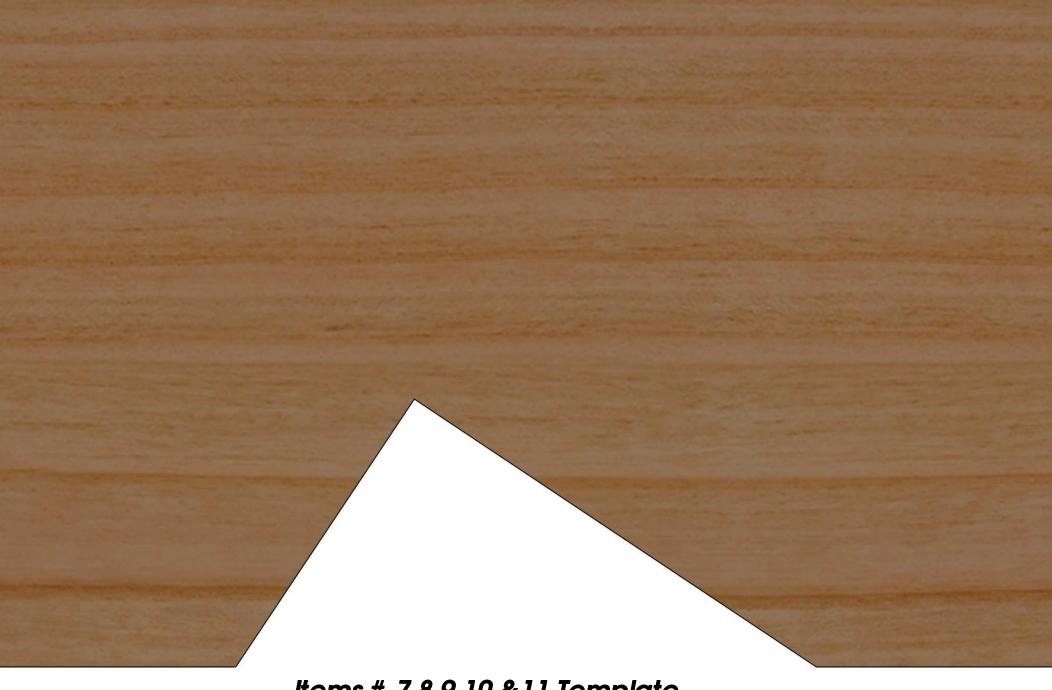
Cover the roof with desired shingles being sure to follow shingle manufacturers instructions. Cover each corner with ridge cap. Finish the wood frame as desired and you are ready to start enjoying your gazebo.



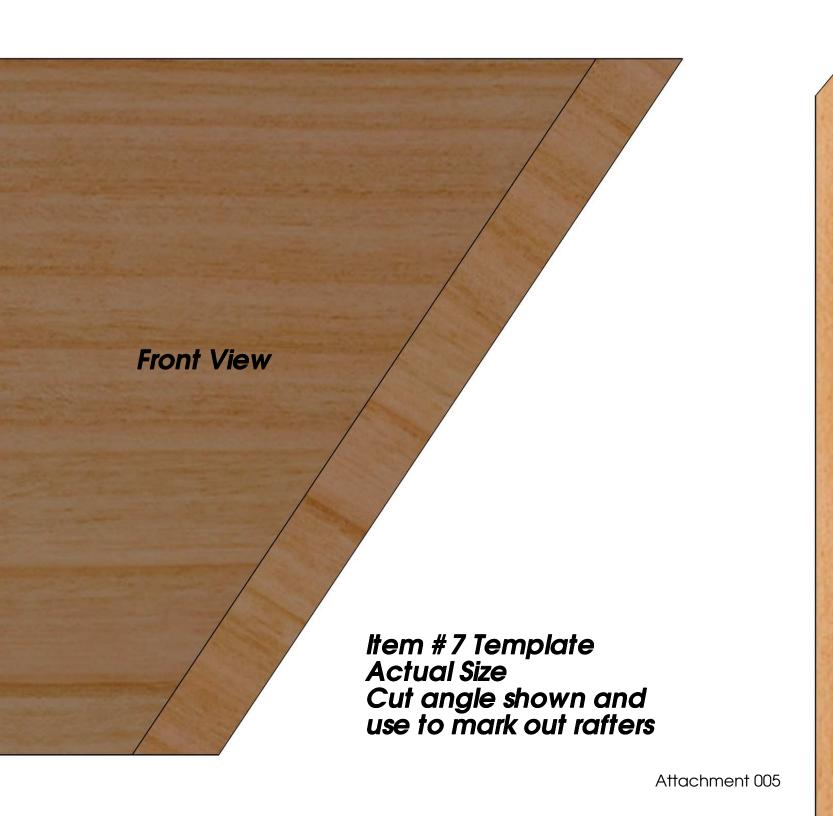








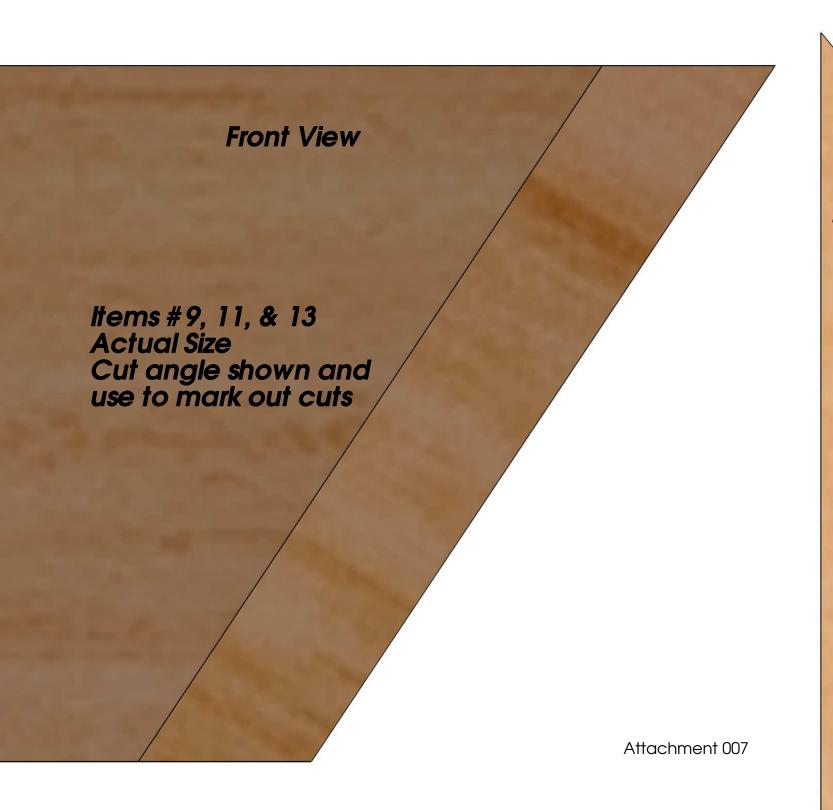
Items # 7,8,9,10,&11 Template Actual Size Use to cut bird's mouth



**Top View** 

# Front View Items # 8, 10, & 12 Actual Size Cut angle shown and use to mark out cuts

**Top View** 



**Top View** 

## Front View **Top View** Item # 14 **Actual Size** Cut angle shown and use to mark out cuts Attachment 008



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