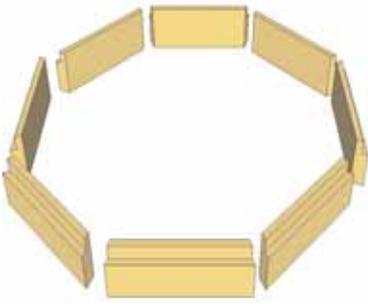
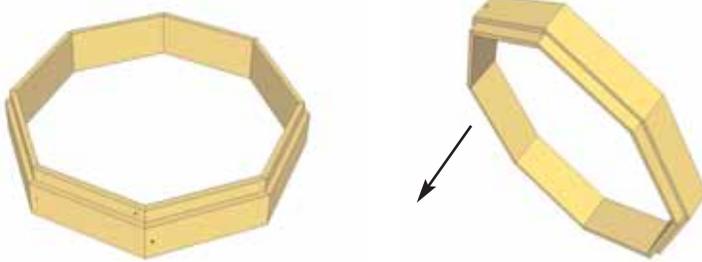
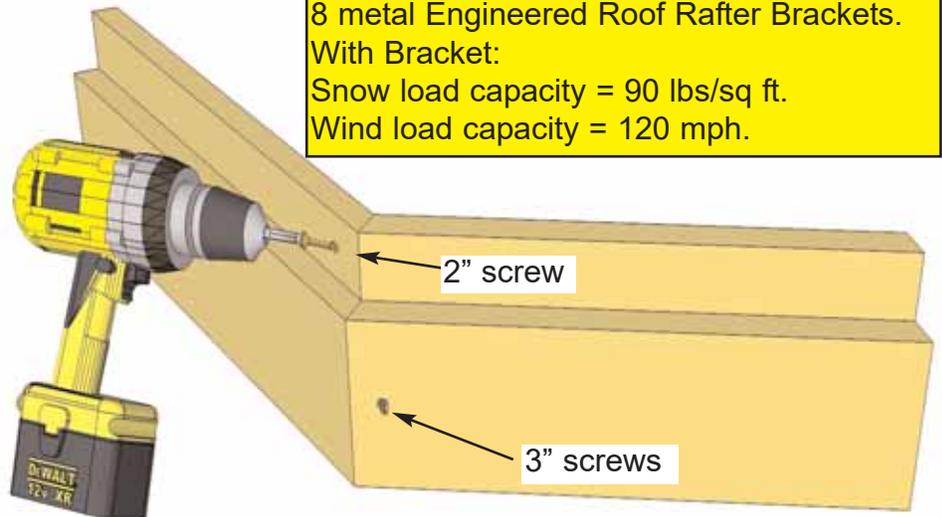


## B. Reinforcing Wind & Snow Rafter Brackets- Optional

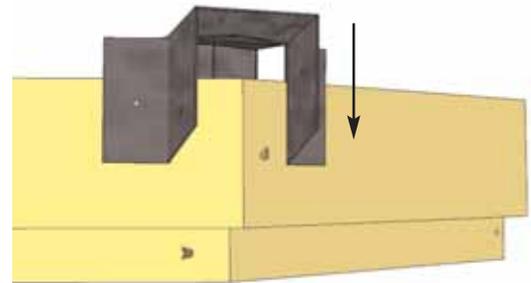
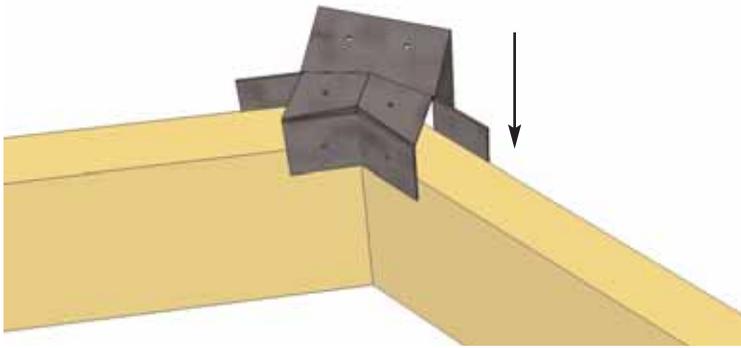
Double Snow and Wind loads by installing 8 metal Engineered Roof Rafter Brackets.  
With Bracket:  
Snow load capacity = 90 lbs/sq ft.  
Wind load capacity = 120 mph.



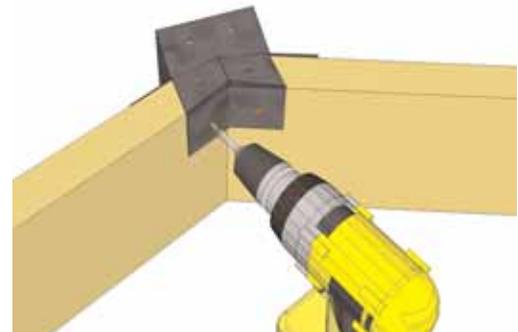
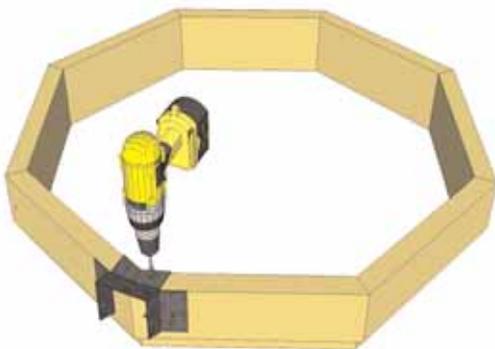
**24.** Locate 8 Skybox Pieces placing them with Dado cut facing out and to the top.



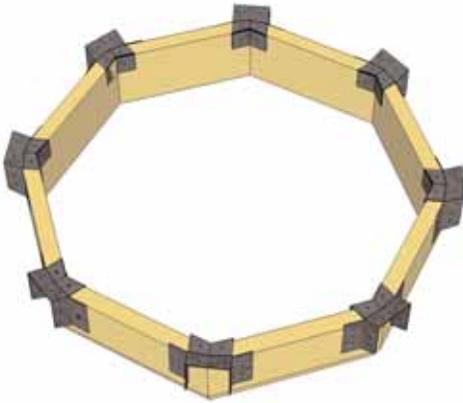
**25.** Position 2 pieces together so angle cut ends line up. When correctly aligned, screw together using 1 - 3" screw and 1 - 2" screw in top dado ledge as shown in above illustration. Attach remaining pieces to complete Skybox. Flip Skybox over when complete.



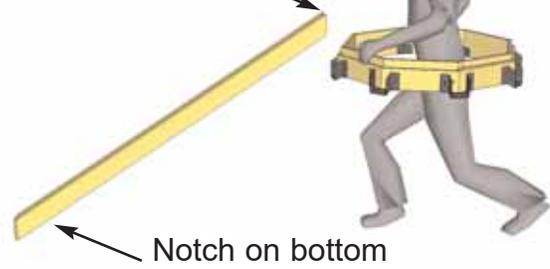
**26.** Position Wind and Snow Load Roof Rafter Bracket on to Skybox as shown above. Screw bracket with 1 1/4" screws into pre-drilled holes of bracket in sides, edge and back. Make sure bracket is aligned evenly and flush with wood in each corner before fastening.



**Important** - Depending on the # of helpers you have available will determine how many rafters can be attached to Skybox prior to lifting up. Our illustration shows 3 Rafters = 2 additional helpers.

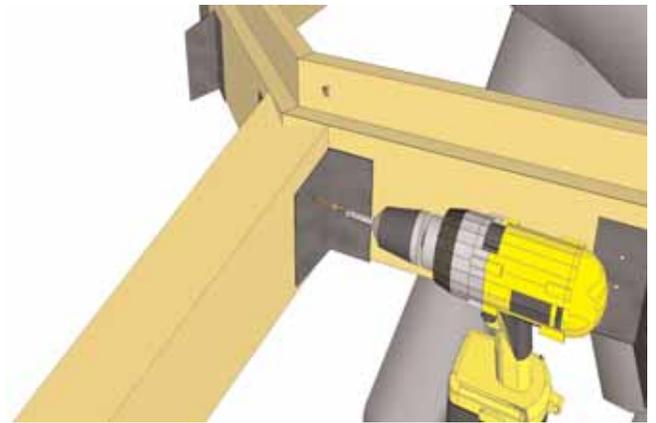
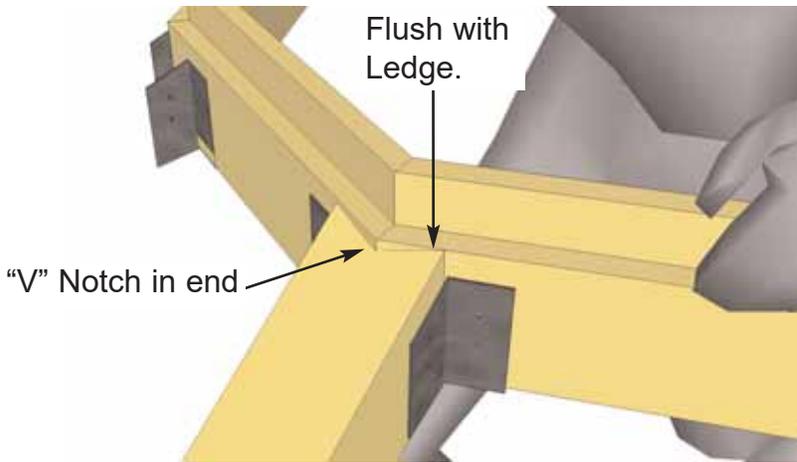


"V" Notch in end

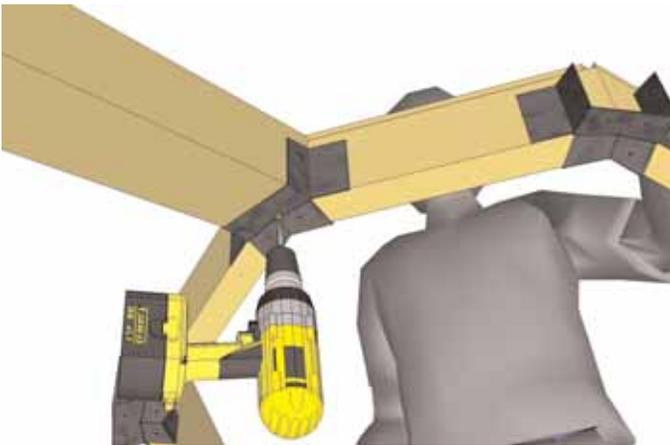


Notch on bottom

**27.** Complete all Wind and Snow Load Rafter Bracket connections. Have your helper flip the Skybox over and hold with brackets facing down. Locate a Corner Rafter and align notch down and "V" end to Skybox.



**28.** Slide Corner Rafter into bracket so bottom of rafter sits tight with bottom of bracket. The top of "V" notch tips should sit even with the skybox ledge. The rafter "V" should be tight against the skybox. When aligned correctly, screw from sides into the Rafter with 1 1/4" screws. Do both sides.



**29.** From underneath, screw bracket and corner rafter together with 2 - 3" screws. With your helper still supporting the Skybox/ Rafter Assembly, position and attach a second and third rafter as illustrated in **Step 28**.

**Important** - Prior to lifting Rafters onto Posts, Upper Rails in **Step 34** must be completed.