

WOOD'S SHOP CREATIVE BUILDERS

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What you'll need for 10'x10' Curved Azumaya Kit

Buy the nicest grade of exterior-use lumber that you can afford and you'll have fewer problems with wood movement (warping, cracking Etc.). This is especially important with the curved rafters cut from wide boards. I like clear western red cedar. When you order, or hand select your post and beam stock, do get the grade FOHC (Free of Heart Center) if at all possible. You don't want that bulls eye anywhere in the timber because that's the most unstable part of the tree and will always warp twist and check.

Also, if your stock isn't kiln dried or well-seasoned, let your stock acclimate (stack it on stickers out of the direct sun and run a fan on it 24/7) for at least 14 days (good drying conditions) before you start cutting it, especially with the curved rafters and laminated ridge's stock. This let's the wood start to shrink/move, and stabilize its moisture content, and any warps, crowns etc. will be seen easier before you start cutting. We always lightly sand and pre stain/seal (especially the end grain) all of the major components before installing. I like oil-based Penofin
http://www.penofin.com/products_bl.shtml

Beams 4-4x10 x10'

Posts 4-6x8 x12'

2x6 T&G Sheathing

18-6', 16-8', 12-10', 12-12', 12-14', 8-16'

* Roofing is 550 square feet (order more for waste), and you need 36' of ridge cap

The Ridge is 16.5" tall. I figured using 1.5" thick roof sheathing (2x6 T&G?), and 1" overall roofing thickness (cedar shingles?). If you use thicker (taller) roofing, for instance roof tiles, you need to have us add to the ridge's overall height.

We like to use TimberLok lags for a lot of fastening. Very strong, with the same rating as 3/8" lags!

<http://www.fastenmaster.com/productCatalog.aspx?catID=7&prodID=8> Get a long 3/16" wood bit for the pilot holes.