Parametric Pavilion Final

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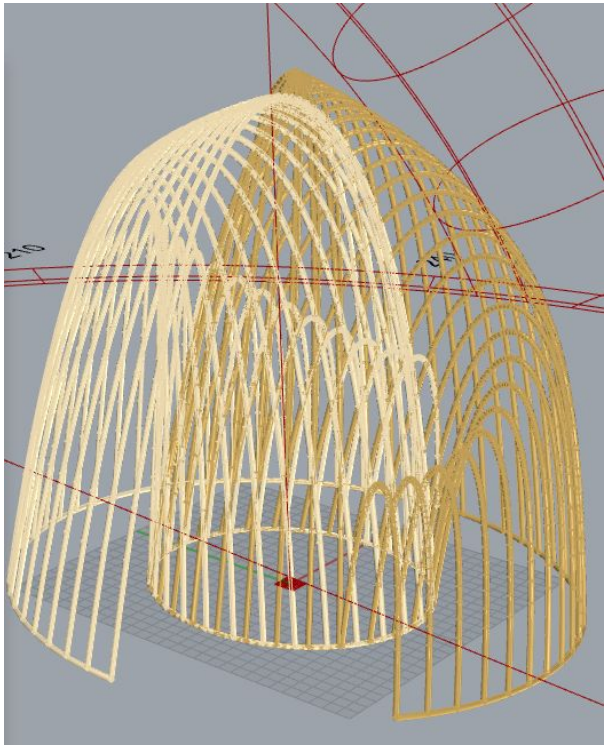
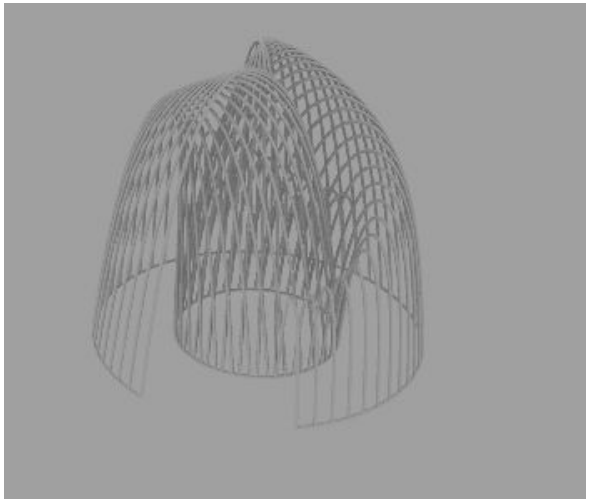
Seashell Pavilion

Miami, Florida

Neutral Colors like SeaShells

I would put it next to the beach



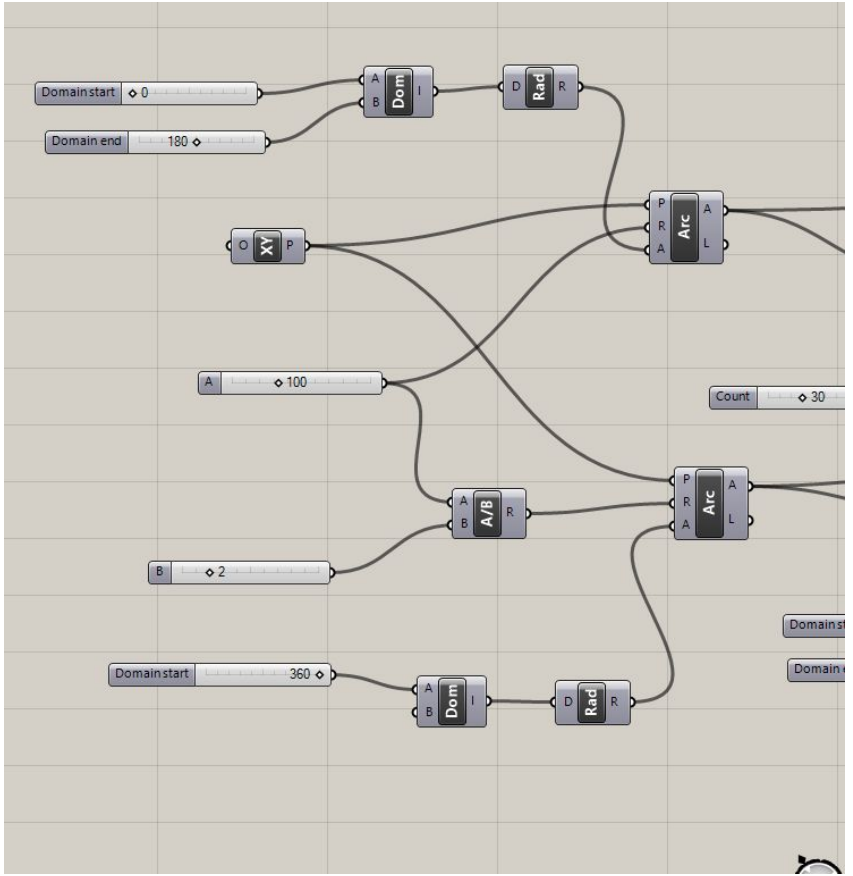


Step 1

Created Two Arches

One Small and One Big

Determined Radius + Length of Both

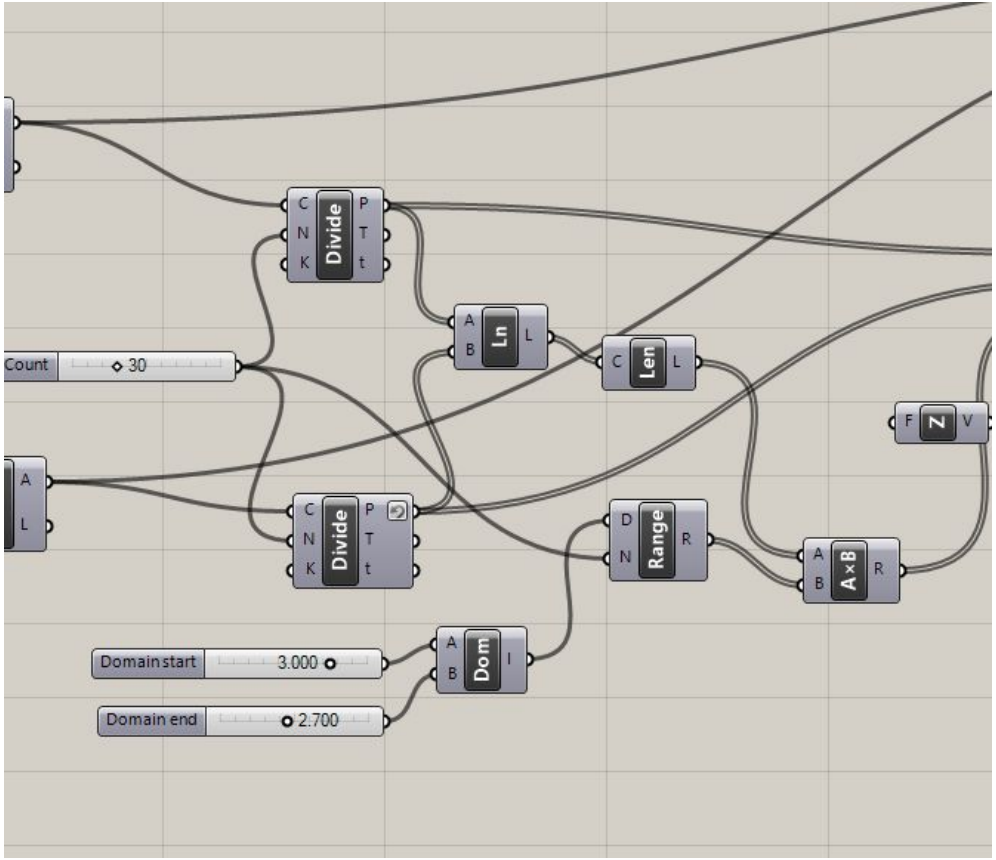


Step 2

Divided both Arches by equal count

Connected lines between them

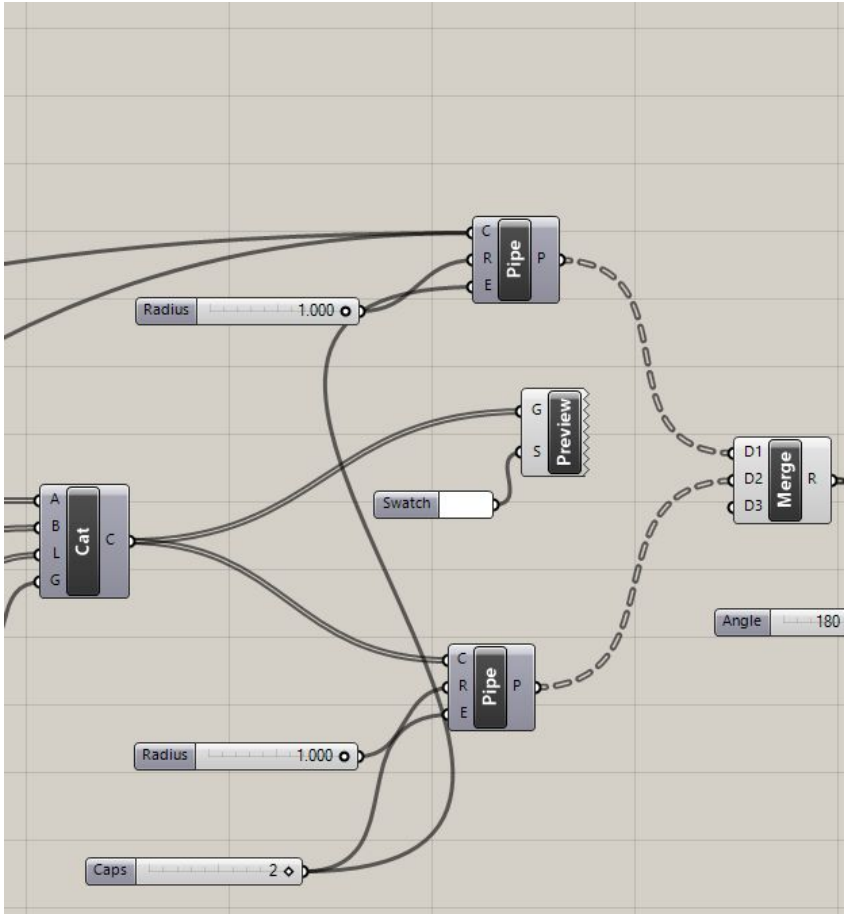
Determined height of Begin/End



Step 3

Created Pipes for both arches

Assigned color to the original arch

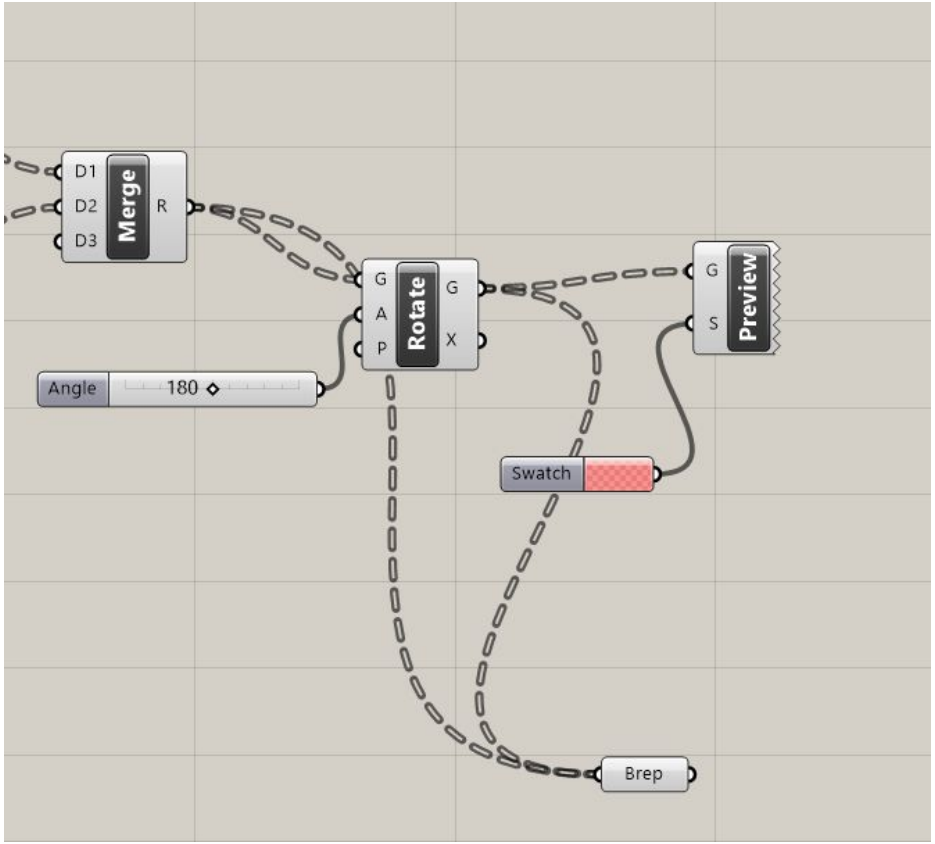


Step 4

Rotated second Pavilion (Required lots of messing around to secure entrance and provide most shade)

Determined rotation of 180 Degrees was best

Assigned Color to second Pavilion

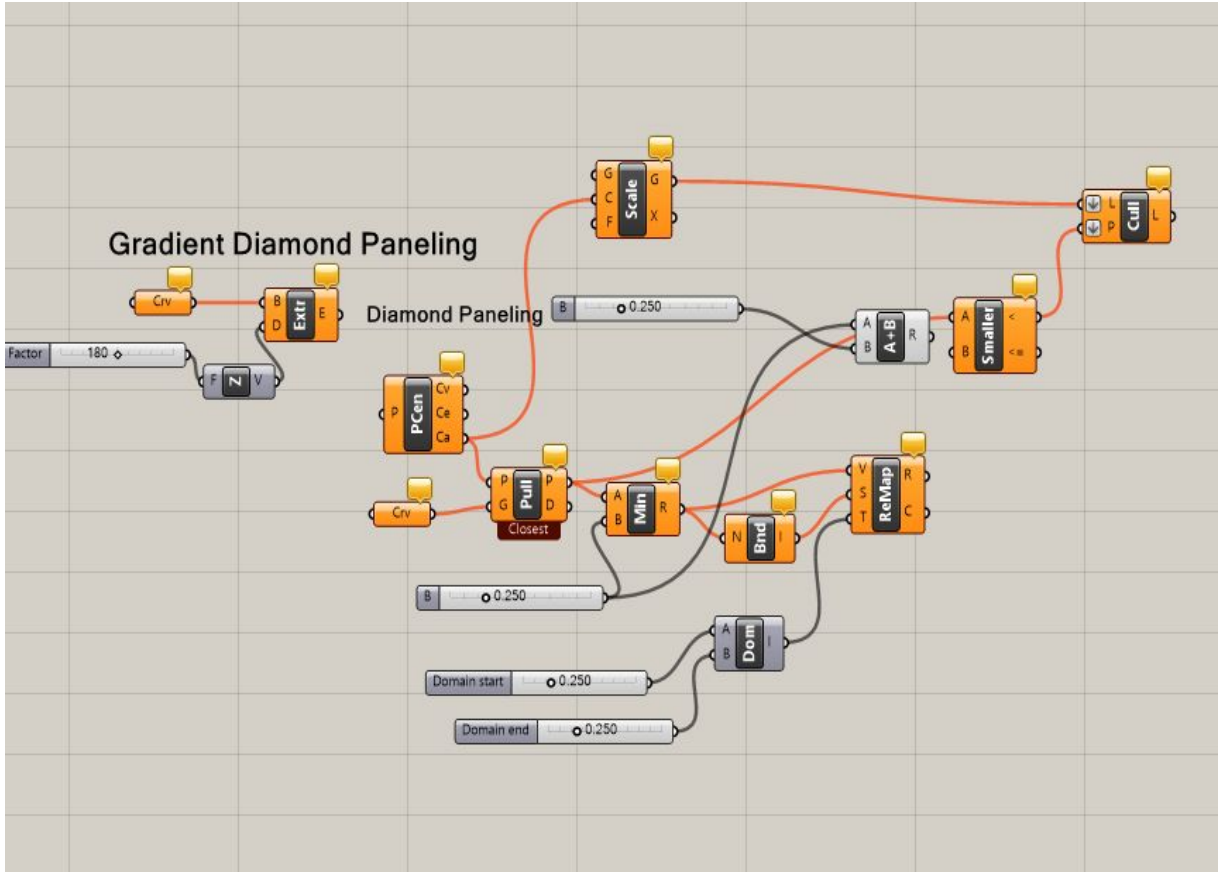


Step 5

Planned to create a gradient of diamond shapes between Pavilion Pipes.

Cool design plus extra shade from sun

Trouble with Computer Crashing



Best Design Solution

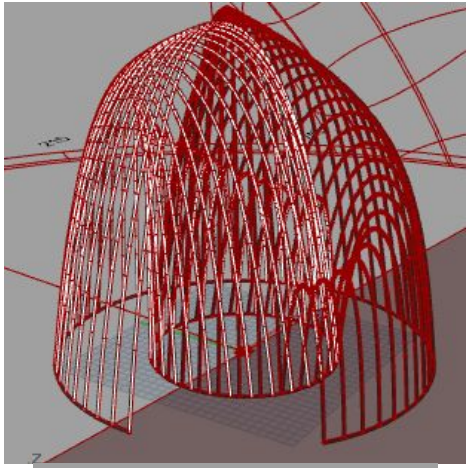
Big Opening for entrance

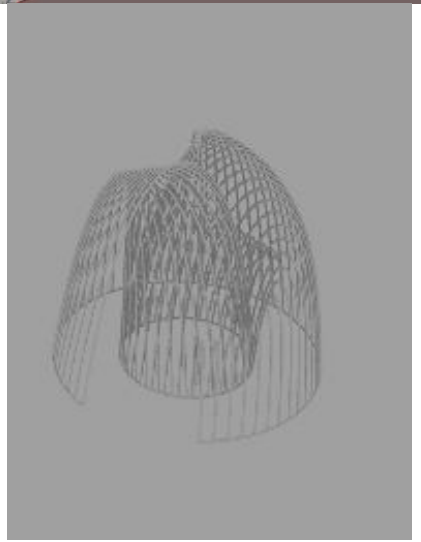
Height change provides feeling of a big space

Divided space inside provides different shade variations

Angled and rotated to provide the most shade in the summer and equal shade in the winter

Diamond shapes would have added unique geometry



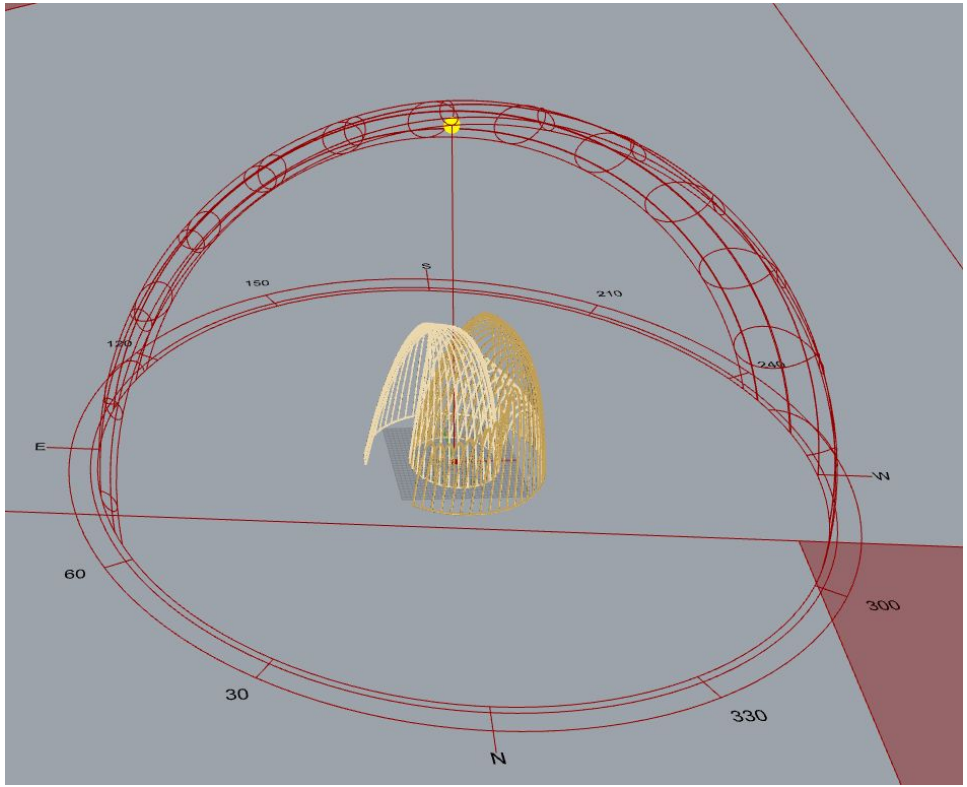


Sun Path for June 21 Noon

Miami, Florida

Orientation of Pavilion Provides the most shade in the afternoon when most people are out on the beach

In the mornings the most shade is in the middle or back of pavilion



Sun Path December 21 Noon

Orientation allows sunlight and warmth to always be distributed evenly throughout the entire day.

Morning and afternoon will provide the same temperatures