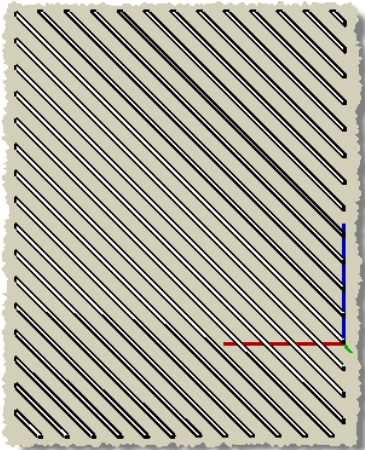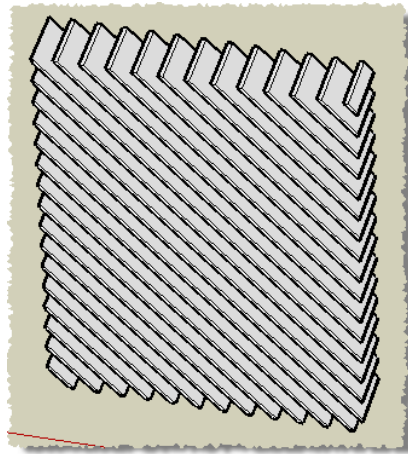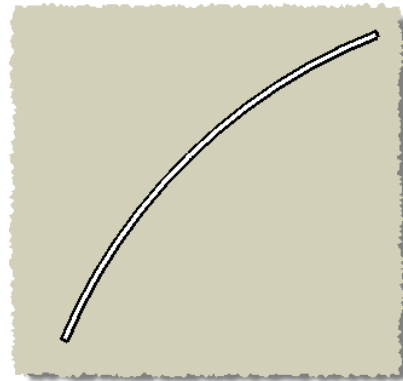# Making a curved trellis

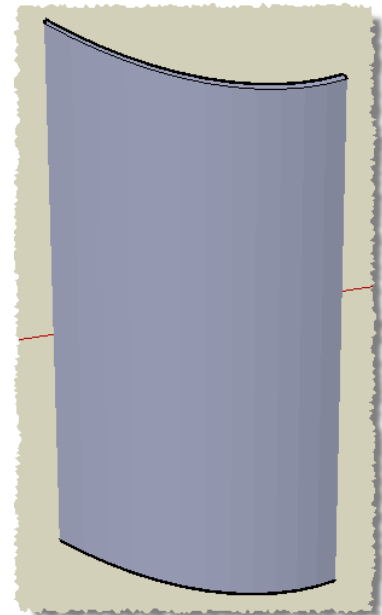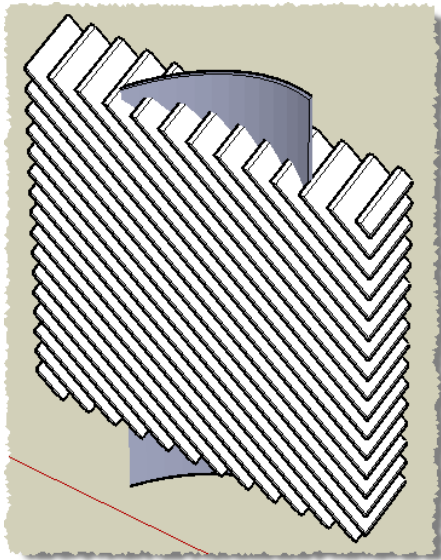**1.** Group all of these laths into a single component

2. Select all the 'front' faces and use Vector Push Pull to extend them all to about 300mm (enough to make sure that they will cover the curve.)
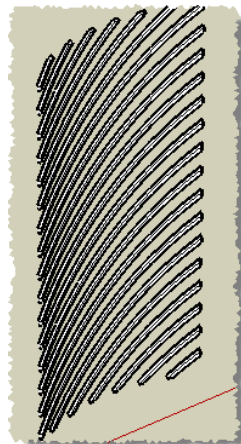
3. This is a two dimensional curve so a 'normal' Push-Pull won't work. Use Vector Push Pull in the Blue axis direction . . .
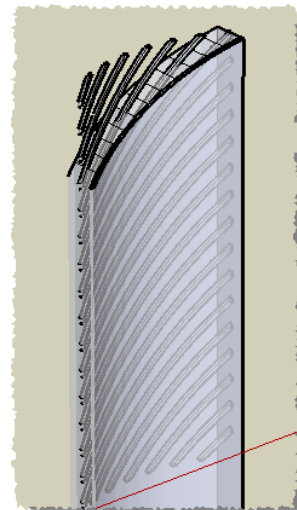
4. . . . to get this shape which which is the curve and thickness of the final panel.
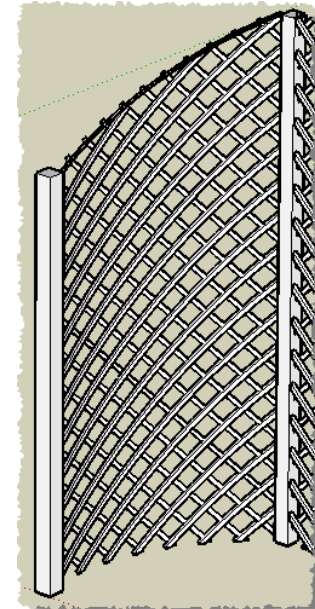
5. Take copies of the two shapes Make sure that the curve is 'inside' the laths (in the horizontal axes) and intersect them

6. Clean up (a lot) and you have a set of curved laths. Copy and scale to create the set going the other way.

7. Intersect the top curve with each set of laths. Clean up again.

8. Align and group the two sets of laths into a new component. Copy, reflect and move into place for the other side.

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