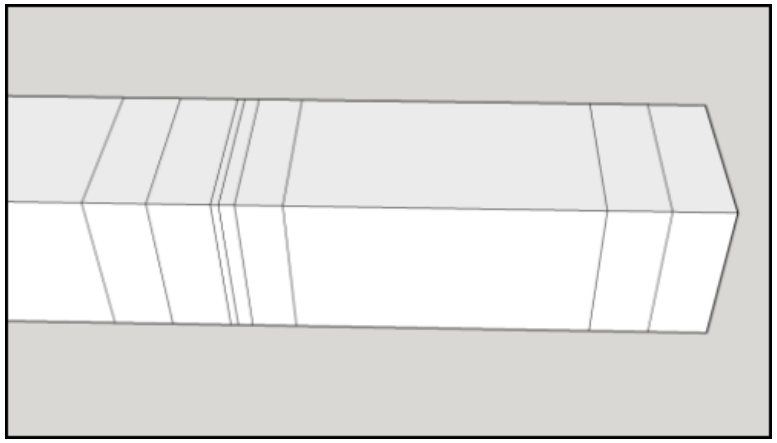
Template for 5/8 tapered tenon

version 1.2

This template_1 is for creating a tapered tenon that goes through a 2 11/16 inch thick slab at 15°.

The leg blanks in this case are 1 3/8 squared…the template length is 4 13/16 inches.



The lay out consists of 8 lines…these lines delineated various areas moving right to left in the image above, top to bottom in relationship to the leg blank.

Waste: square end, L = 1/2 , that eases connectivity to lathe center, sawn off after finished

Tip: L = 1/2 of, C = 3/4, Tip will be placed into tenon cutter that will reduce it to C= 5/8 inch

the Taper: over a distance of L = 2.5, at top end C = 5/8, at bottom end C = 1 1/16

Spacer: L = 3/8, slight taper 1 1/16 top, 1 1/8 bottom, this is the part that inserts into the tenon cutter neck but does not reach the blade

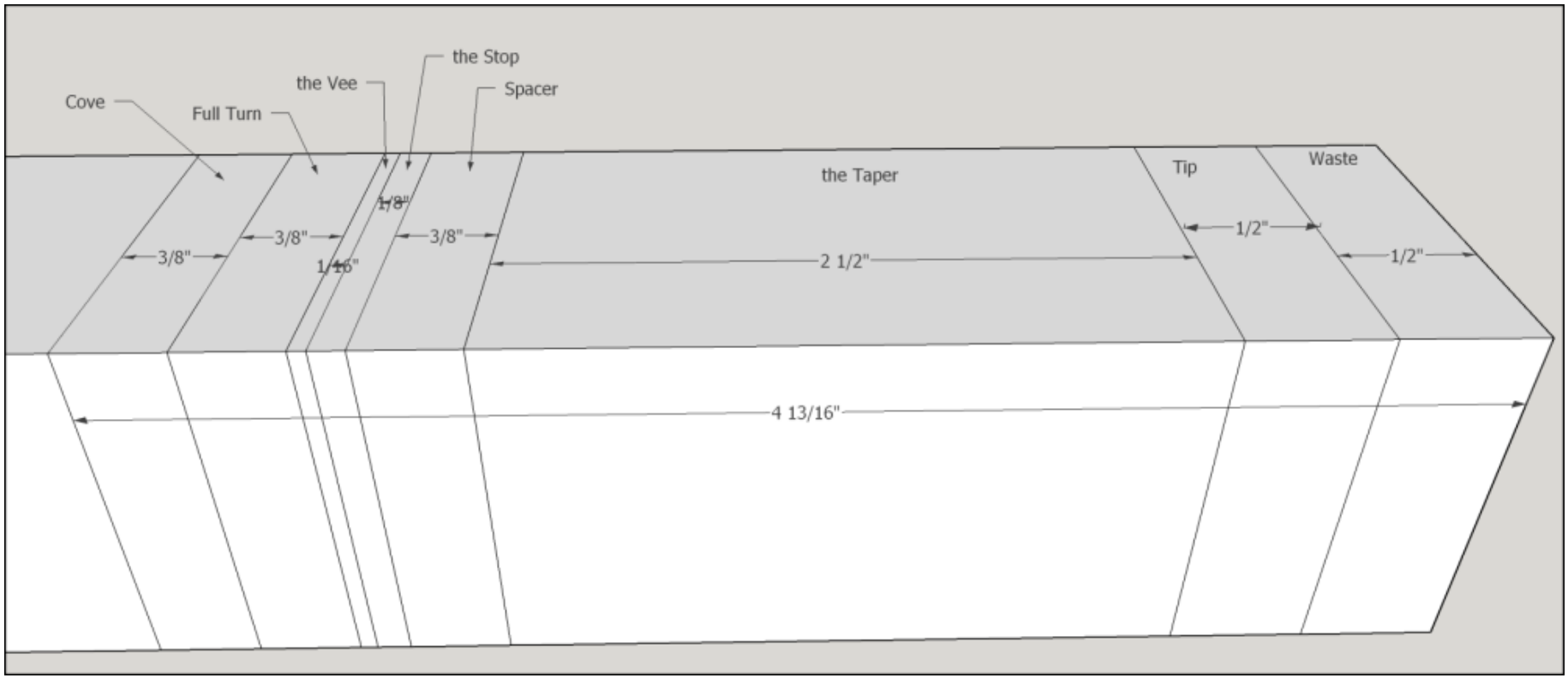
the Stop: L= 1/8, C = ~1 11/32

the Vee: L = 1/16

the Full Turn: a turning to simply round off C = ~1 11/32 , L = 3/8,

the Cove: L = 3/8, from the Full Turn to the Octagonal Leg

the dimensions and terms



Sketchup version of the turned tenon…with waste attached…and without