

Note: All tolerances are up to the builder to decide so they are not included in this drawing but here is a comment from the original creator:

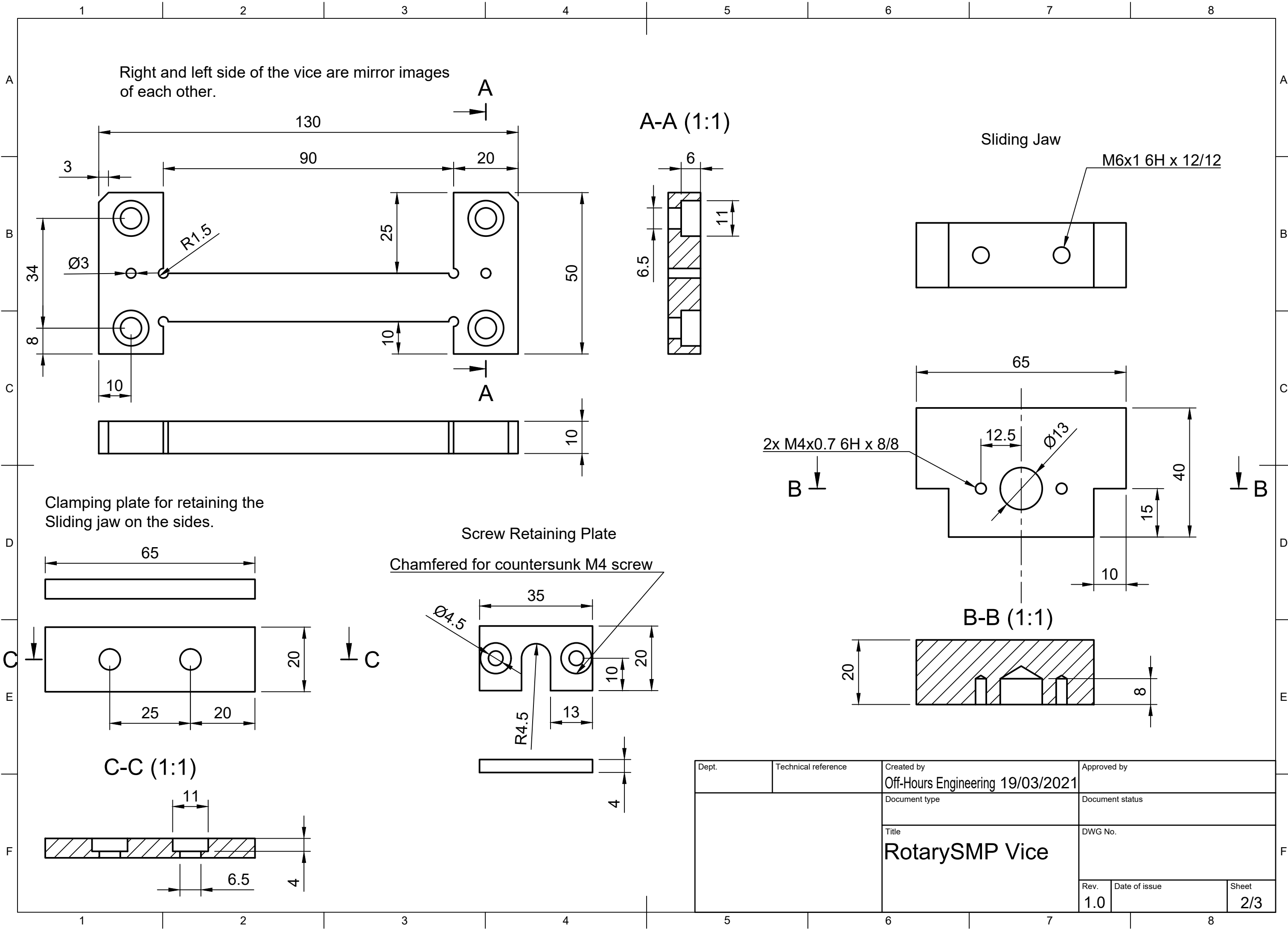
"Since this was a mandatory test piece, made with blunt files, blunt drills and blunt hack saw, I would consider anyone doing it voluntarily a masochist :) It did teach us a "feel" for a touch of tolerance. Once you spend every afternoon for a couple of months drawing, filing and measuring with a micrometer, you get pretty good at both.

You start off making the two sides. (10mm or 3/8" mild steel plate). There are two tooling holes where we riveted the pieces together and drilled and filed them to size as one. We were required to file everything to within a thou, and square.

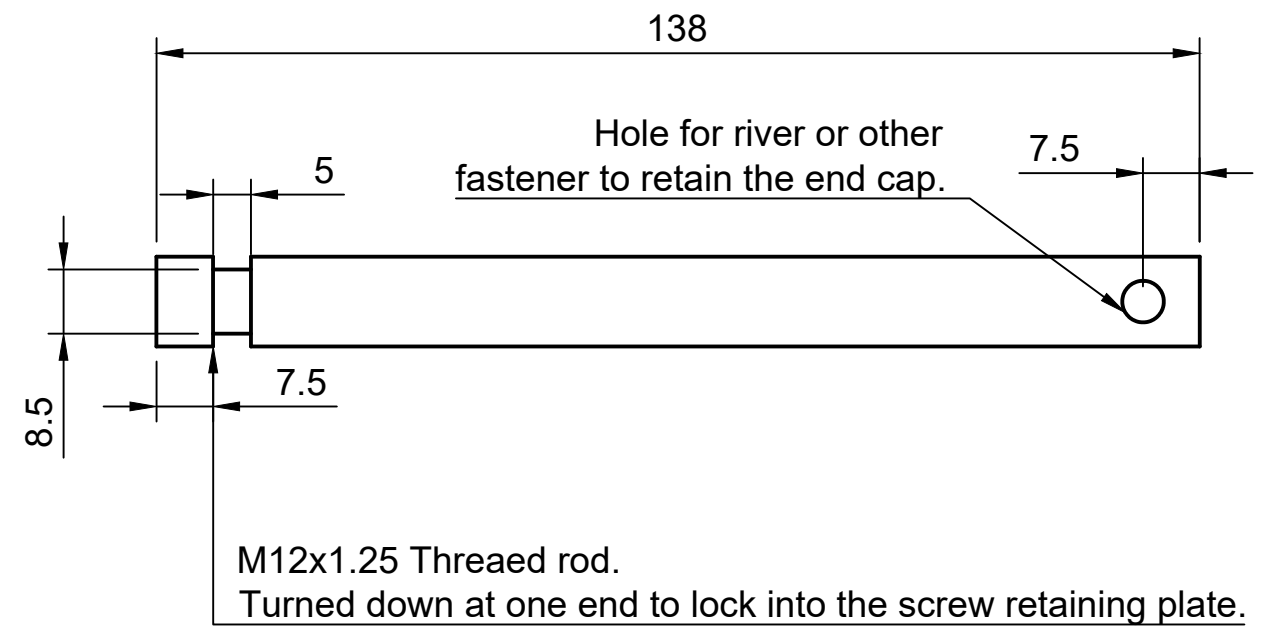
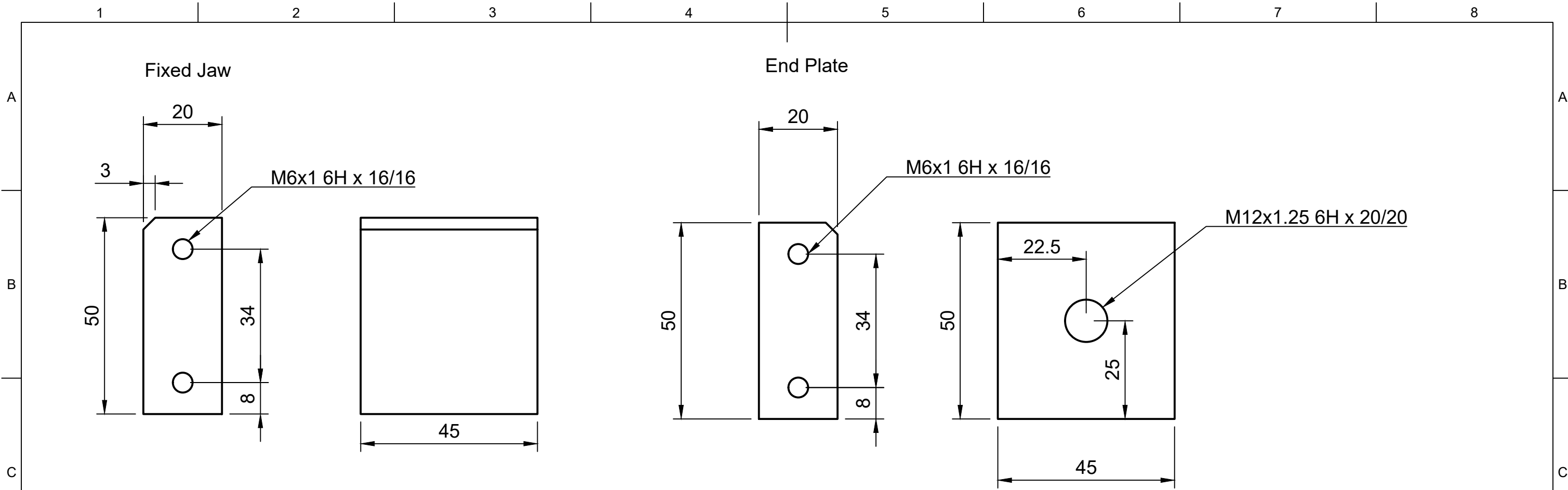
Then the end block and fixed jaw and the sliding jaw are made (20mm or 3/4" steel). The sliding jaw clamp plate is only 6mm (1/4"). We tapped the hole in the end block, but turned the spindle, and the cross handle on the lathe.

As all holes were drilled to marked and punched holes, rather than match drilled, you had to be pretty exact to even be able to assemble it."

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Designation	Type	Dimension	Amount
Socket head cap screw	Din 6912	M6x20	8 pcs
Countersunk Socket head Cap Screw	DIN 6912	M6x16	2 pcs
Countersunk Socket head Cap Screw	DN 7991	M4x8	2 pcs
Fastener list			

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