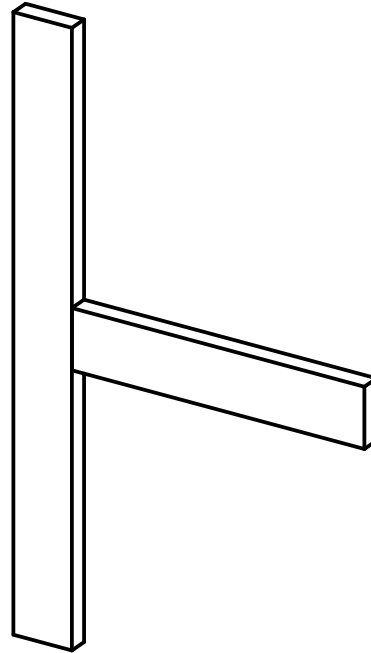


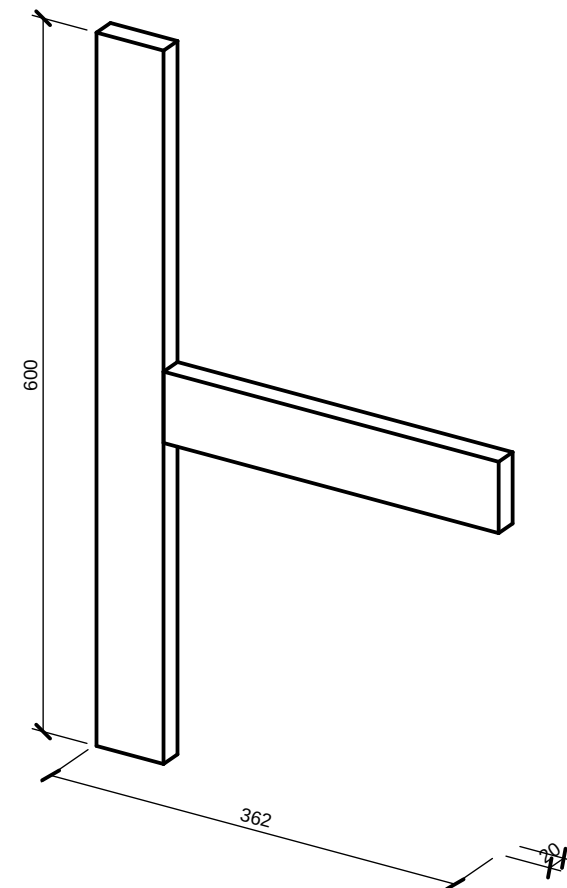
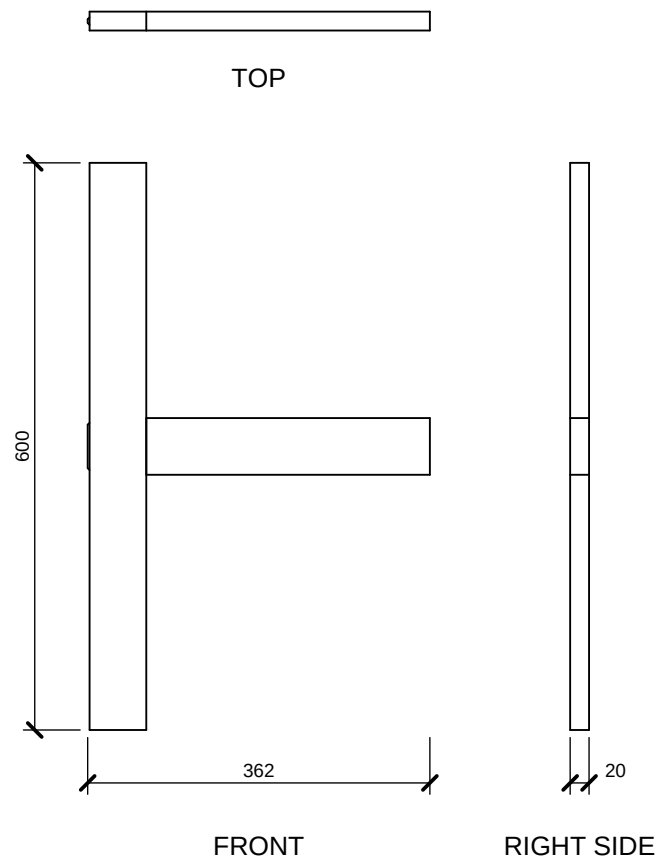
Chamfered through mortise tenon



parts	2
overall	362 x 20 x 600 (W x D x H)
material	oak
date	2026-10-25
made with	woodwright 0.9.0

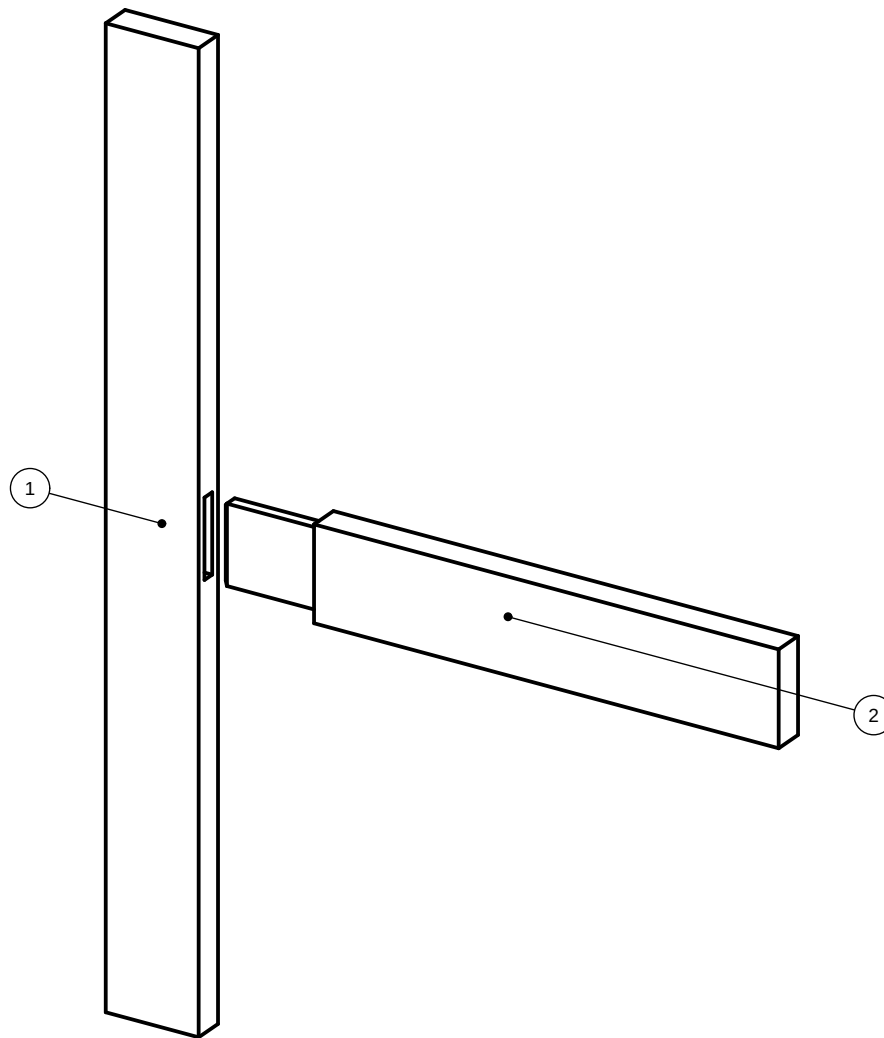
Contents

Drawings	3
Assembly	3
Parts	4
1 stile	5
2 rail	6
 Cut list	 7
 Appendix: source	 8



ISOMETRIC

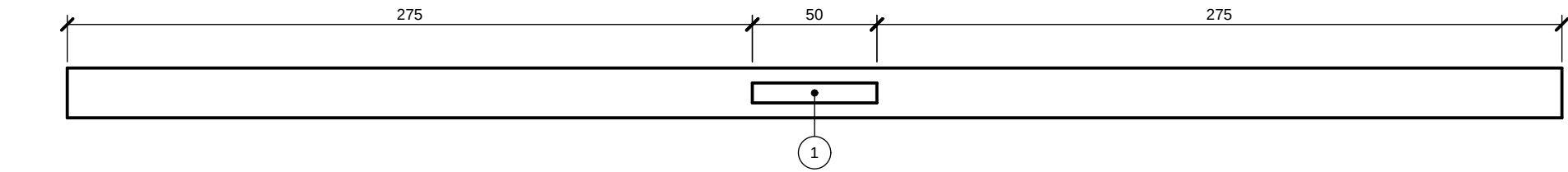
assembly	chamfered_through_mortise_tenon
parts	2
overall	362 x 20 x 600 (W x D x H)
material	oak
scale	1:8, mm



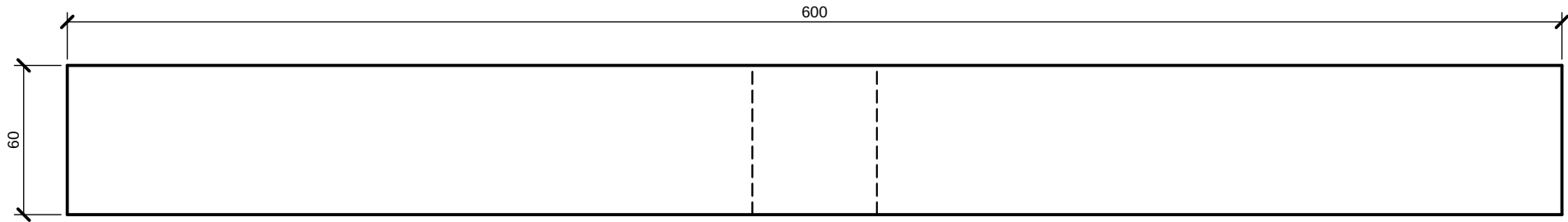
EXPLODED

no.	part	qty	cut size (L x W x T)	material
1	stile	1	600 x 60 x 20	oak
2	rail	1	362 x 60 x 20	oak

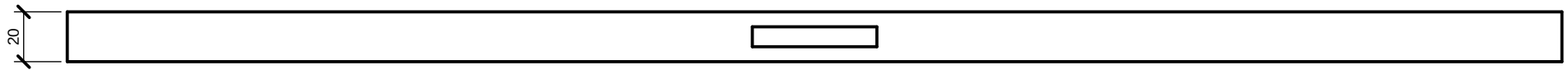
assembly	chamfered_through_mortise_tenon
parts	2
overall	362 x 20 x 600 (W x D x H)
material	oak
scale	not to scale, mm



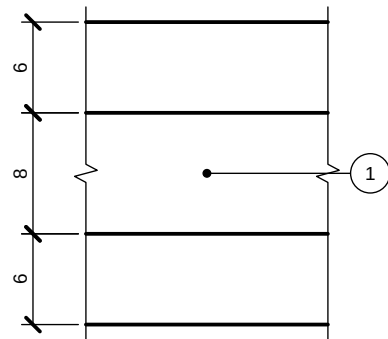
BACK EDGE



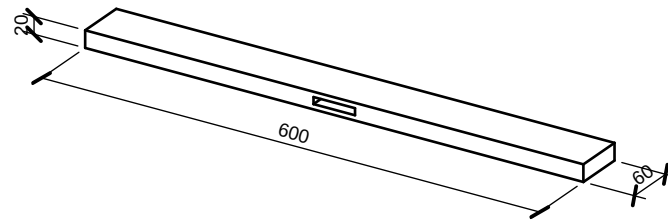
TOP FACE



FRONT EDGE



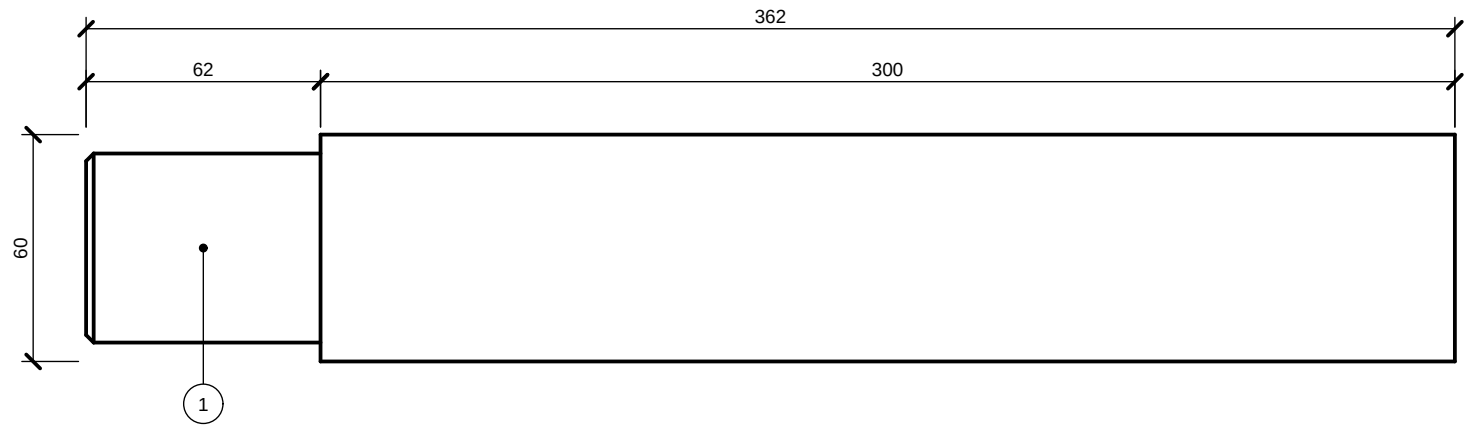
BACK EDGE: 1 2:1



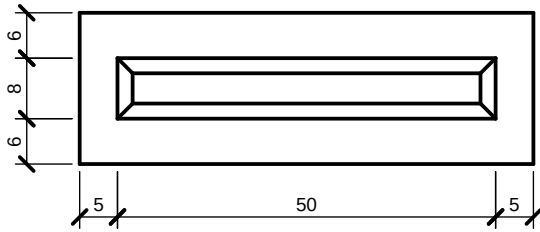
ISOMETRIC

1 through mortise 50 x 8 mm in back_edge

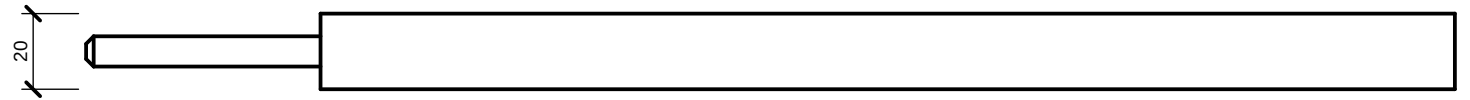
part	stile
of	chamfered_through_mortise_tenon
make	1
cut size	600 x 60 x 20
material	oak
scale	1:2.5, mm



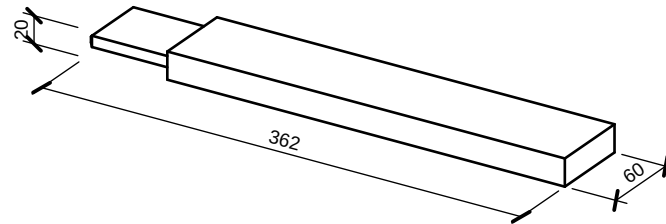
TOP FACE



LEFT END 1:1



FRONT EDGE



ISOMETRIC

part	rail
of	chamfered_through_mortise_tenon
make	1
cut size	362 x 60 x 20
material	oak
scale	1:2, mm

1 tenon 50 x 8 mm, 62 long, end chamfered 2 mm, on left_end

Cut list

stile 600 x 60 x 20 mm oak
- through mortise 50 x 8 mm in back_edge
rail 362 x 60 x 20 mm oak
- tenon 50 x 8 mm, 62 long, end chamfered 2 mm, on left_end

Appendix: source

Made with woodwright 0.9.0, build123d 0.13.0, Python 3.14.4.

To make these plans again:

```
uvx --python 3.14 woodwright==0.9.0 export joints.chamfered_through_mortise_tenon
```

joints.chamfered_through_mortise_tenon, in woodwright/examples/joints.py

```
def chamfered_through_mortise_tenon(
    stile_length: float = 600,
    rail_length: float = 300,
    width: float = 60,
    chamfer: float = 2,
    stock: Stock = OAK,
) -> Assembly:
    """A through tenon whose chamfered end alone stands proud of the stile,
    like a low pyramid on the stile's edge.

    The tenon is longer than the stile is wide by the chamfer, so the
    chamfers start where it leaves the stile.
    """
    asm = Assembly("chamfered_through_mortise_tenon", root_location=STANDING)
    stile = asm.add(Board("stile", stock, length=stile_length, width=width))
    rail = asm.add(Board("rail", stock, length=rail_length, width=width))
    asm.join(
        MortiseTenon(
            tenon=rail.left_end,
            mortise=stile.back_edge,
            tenon_length=width + chamfer,
            tenon_chamfer=chamfer,
        )
    )
    return asm
```