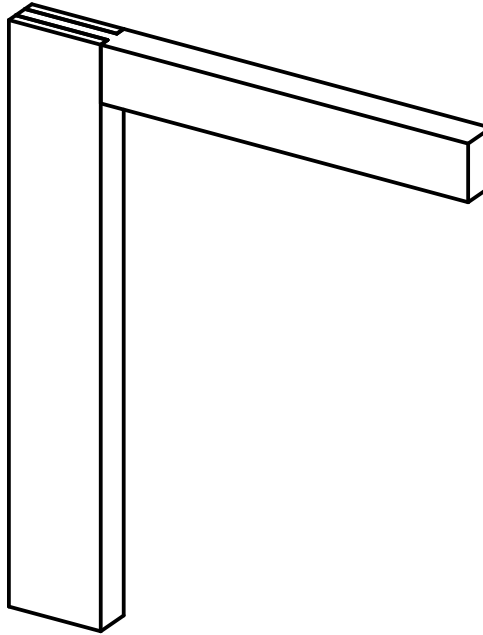


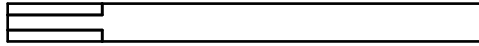
Bridle corner



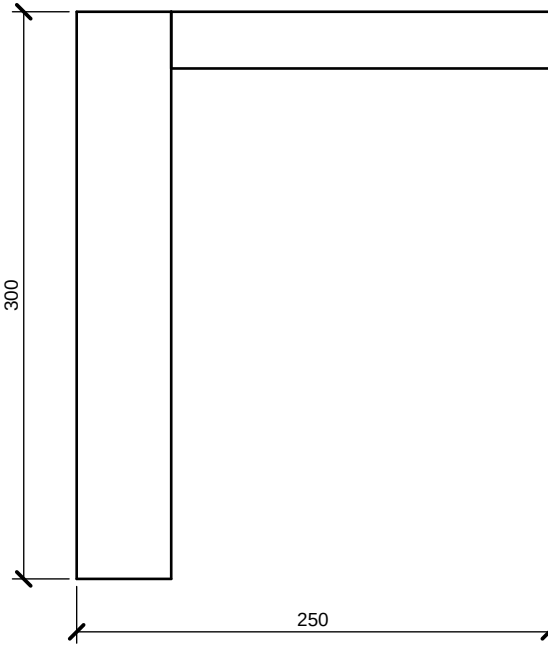
parts	2
overall	250 x 20 x 300 (W x D x H)
material	oak
date	2026-10-25
made with	woodwright 0.9.0

Contents

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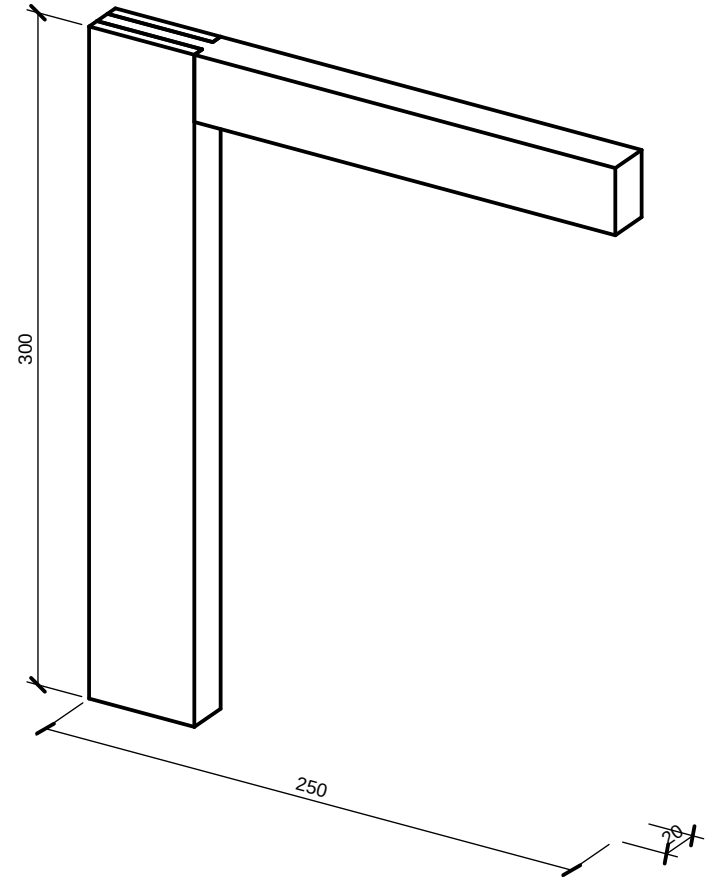
TOP



FRONT

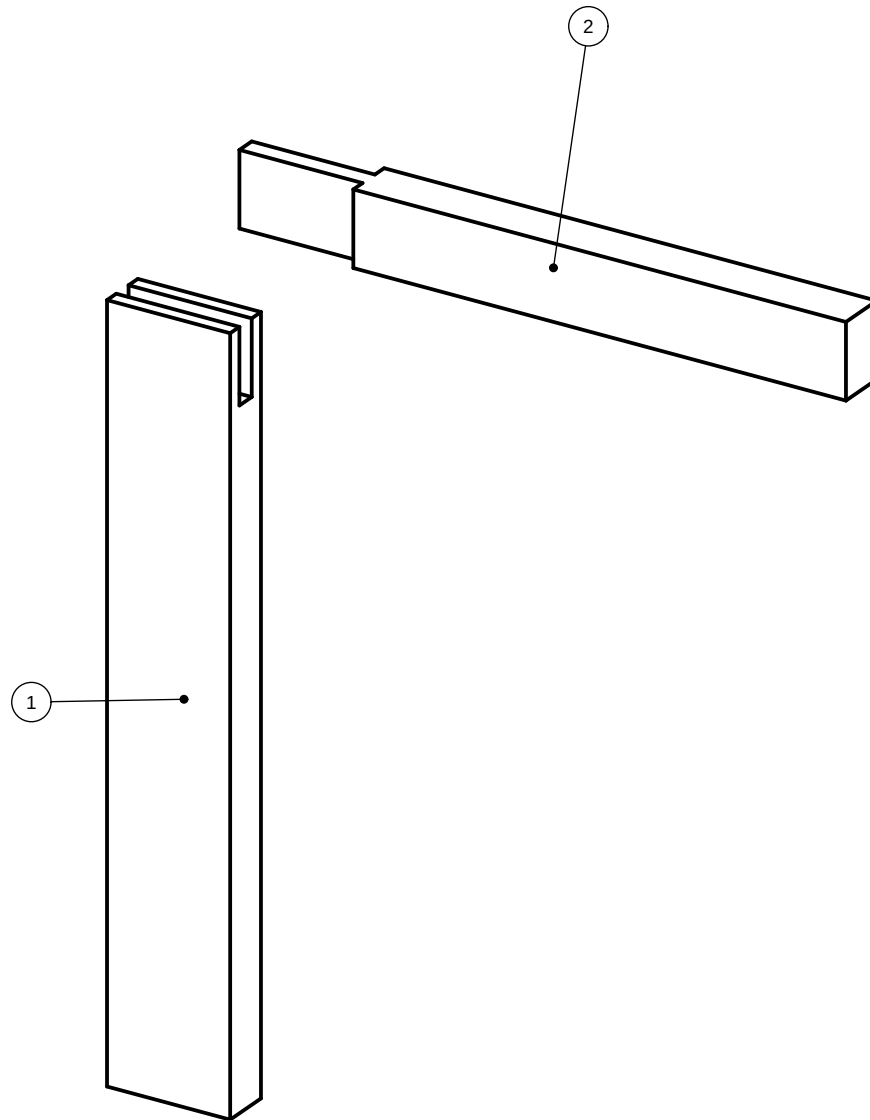


RIGHT SIDE



ISOMETRIC

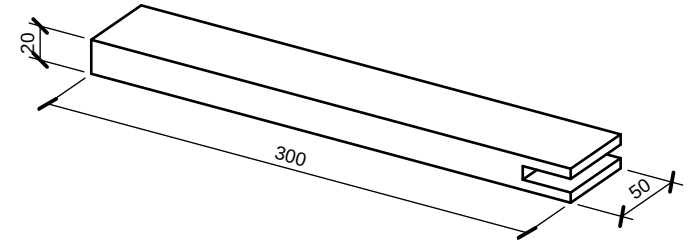
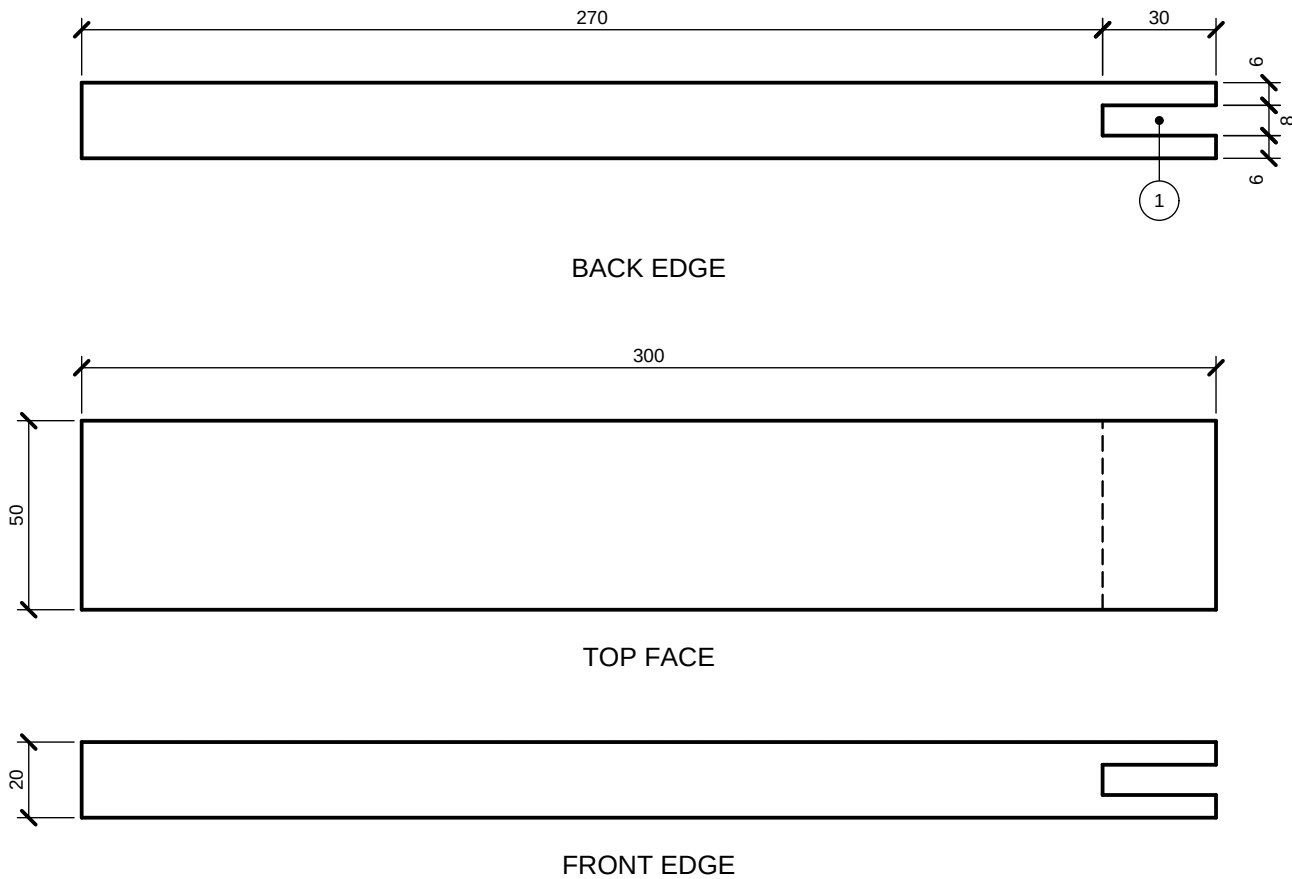
assembly	bridle_corner
parts	2
overall	250 x 20 x 300 (W x D x H)
material	oak
scale	1:4, mm



no.	part	qty	cut size (L x W x T)	material
1	stile	1	300 x 50 x 20	oak
2	rail	1	250 x 30 x 20	oak

EXPLODED

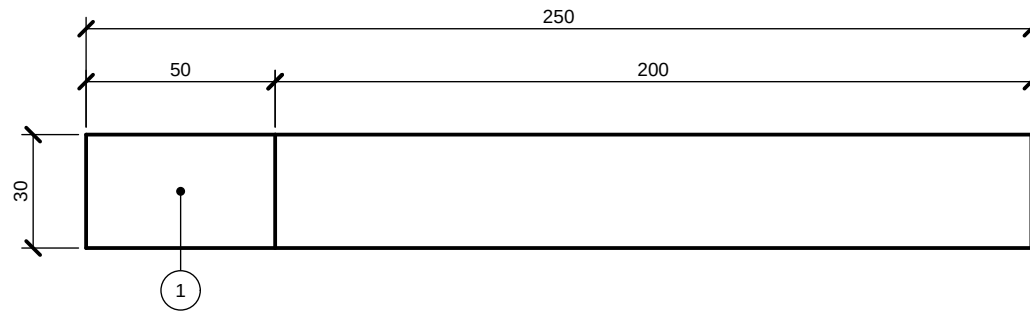
assembly	bridle_corner
parts	2
overall	250 x 20 x 300 (W x D x H)
material	oak
scale	not to scale, mm



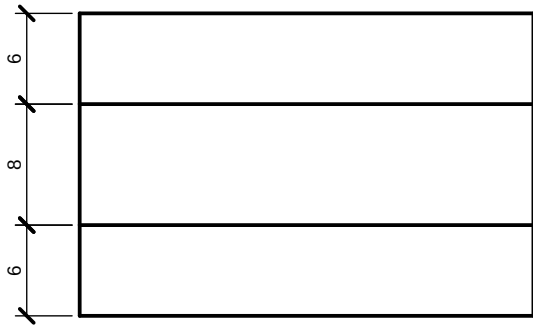
ISOMETRIC

1 slot mortise 8 mm, 30 deep, in right_end

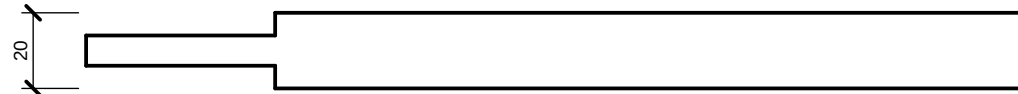
part	stile
of	bridle_corner
make	1
cut size	300 x 50 x 20
material	oak
scale	1:2, mm



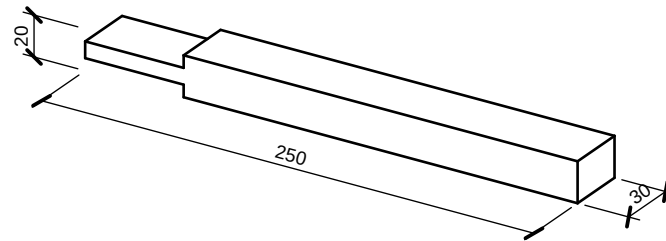
TOP FACE



LEFT END 2:1



FRONT EDGE



ISOMETRIC

1 tenon 8 mm thick, 50 long, on left_end

part	rail
of	bridle_corner
make	1
cut size	250 x 30 x 20
material	oak
scale	1:2, mm

Cut list

stile 300 x 50 x 20 mm oak
- slot mortise 8 mm, 30 deep, in right_end
rail 250 x 30 x 20 mm oak
- tenon 8 mm thick, 50 long, 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.bridle_corner
```

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

```
def bridle_corner(
    stile_length: float = 300,
    rail_length: float = 200,
    stile_width: float = 50,
    rail_width: float = 30,
    stock: Stock = OAK,
) -> Assembly:
    """An L-shaped bridle joint: a tenon over the whole rail in a slot in the stile's end.

    The rail may be narrower than the stile: the slot is as deep as the rail
    is wide, the tenon as long as the stile is wide.
    """
    asm = Assembly("bridle_corner", root_location=STANDING)
    stile = asm.add(Board("stile", stock, length=stile_length, width=stile_width))
    rail = asm.add(Board("rail", stock, length=rail_length, width=rail_width))
    asm.join(
        Bridle(tenon=rail.left_end, slot=stile.back_edge, position=flush_with(stile.right_end))
    )
    return asm
```