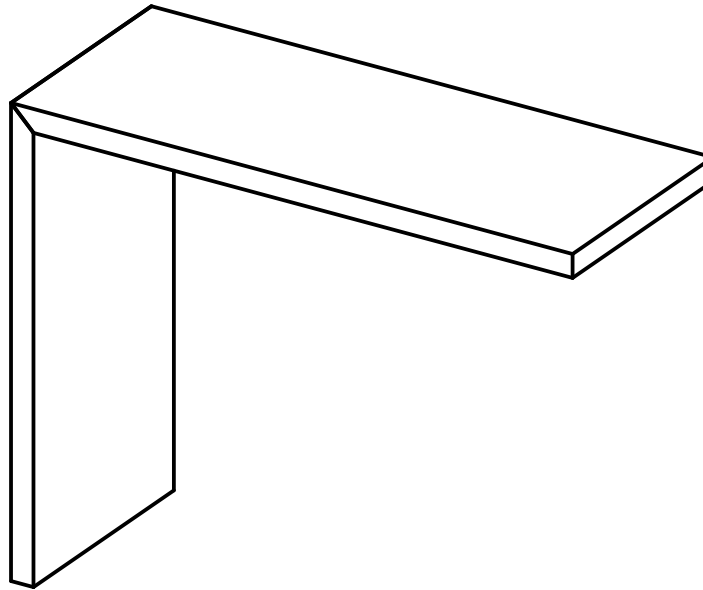


Blind mitred dovetail corner



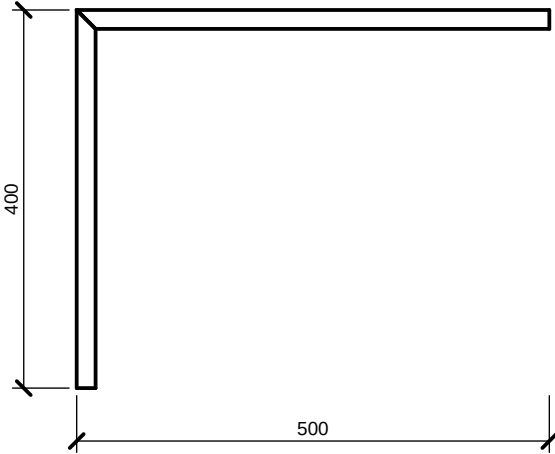
parts	2
overall	500 x 200 x 400 (W x D x H)
material	oak
date	2026-10-25
made with	woodwright 0.9.0

Contents

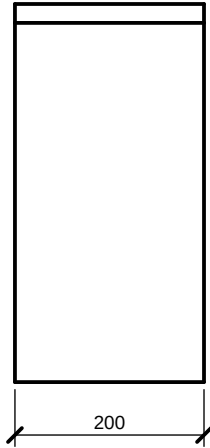
Drawings	3
Assembly	3
Parts	4
1 side	5
2 top	6
Cut list	7
Appendix: source	8



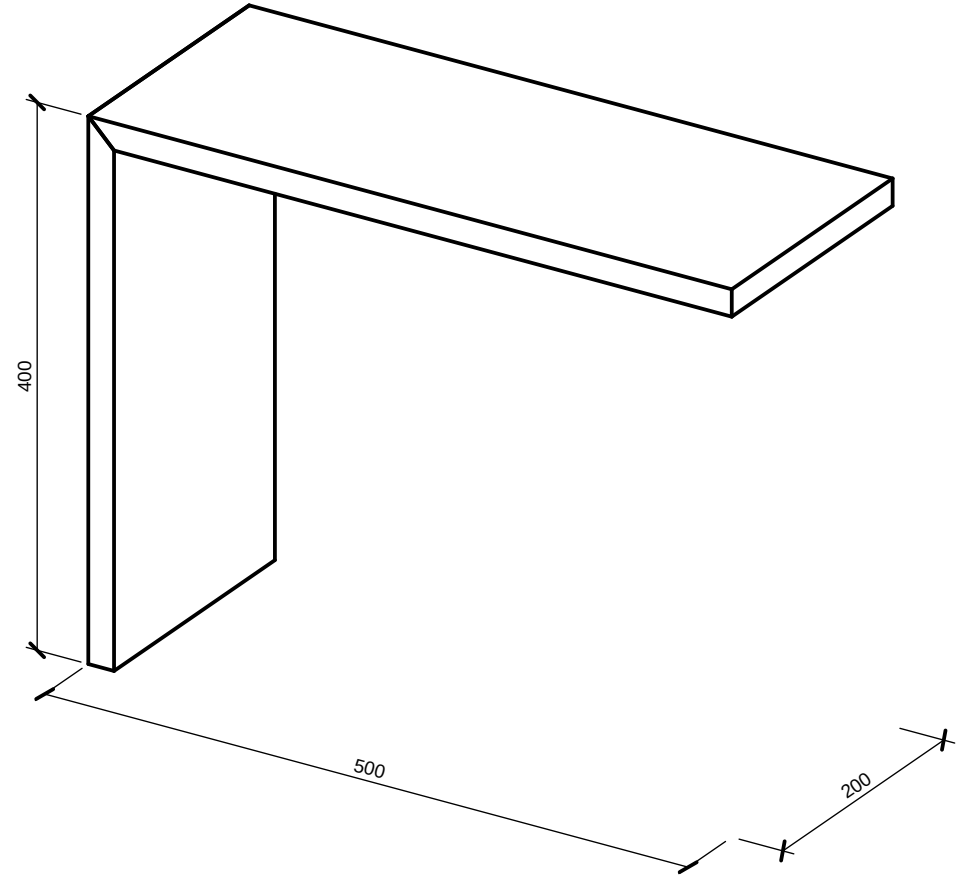
TOP



FRONT

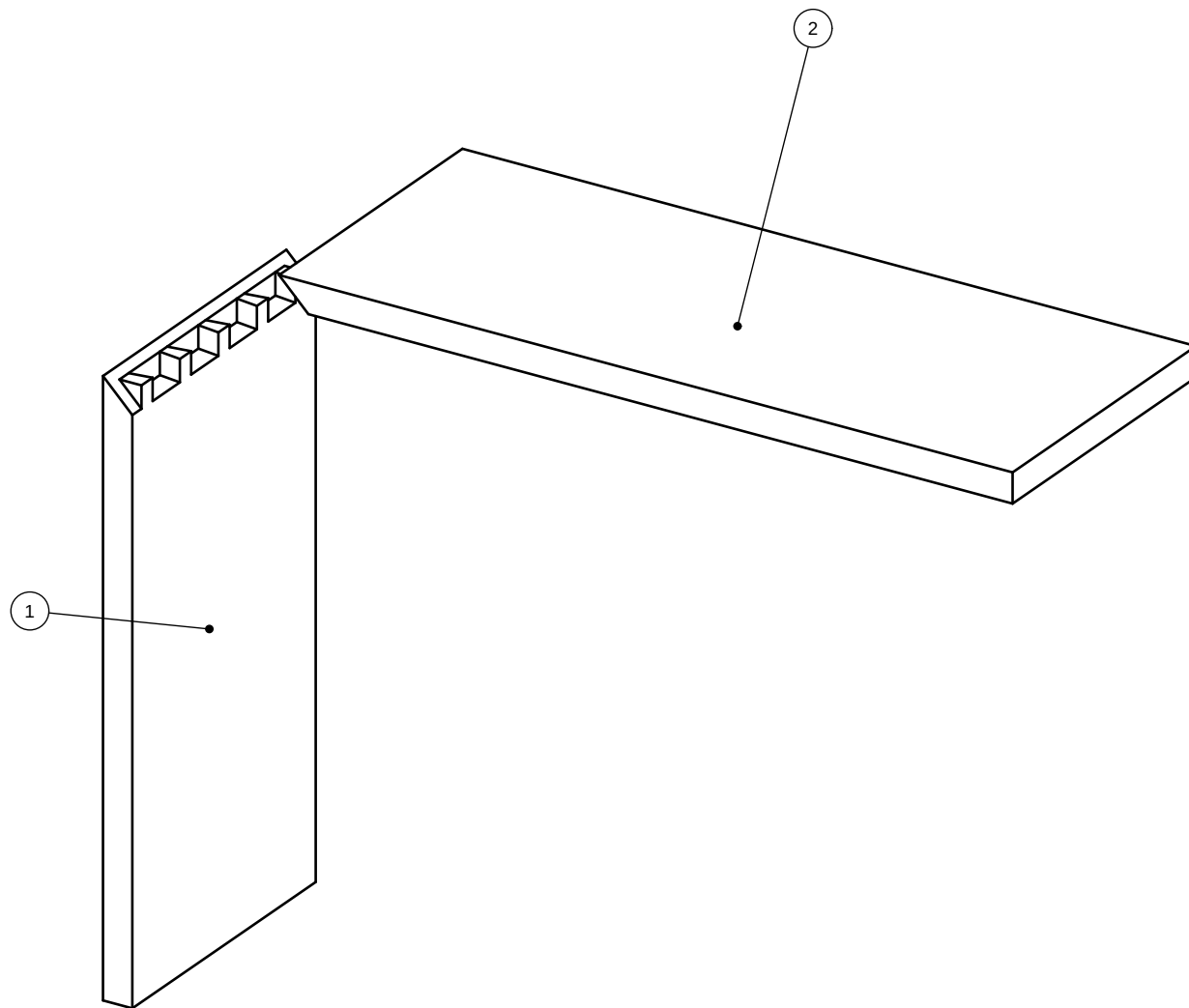


RIGHT SIDE



ISOMETRIC

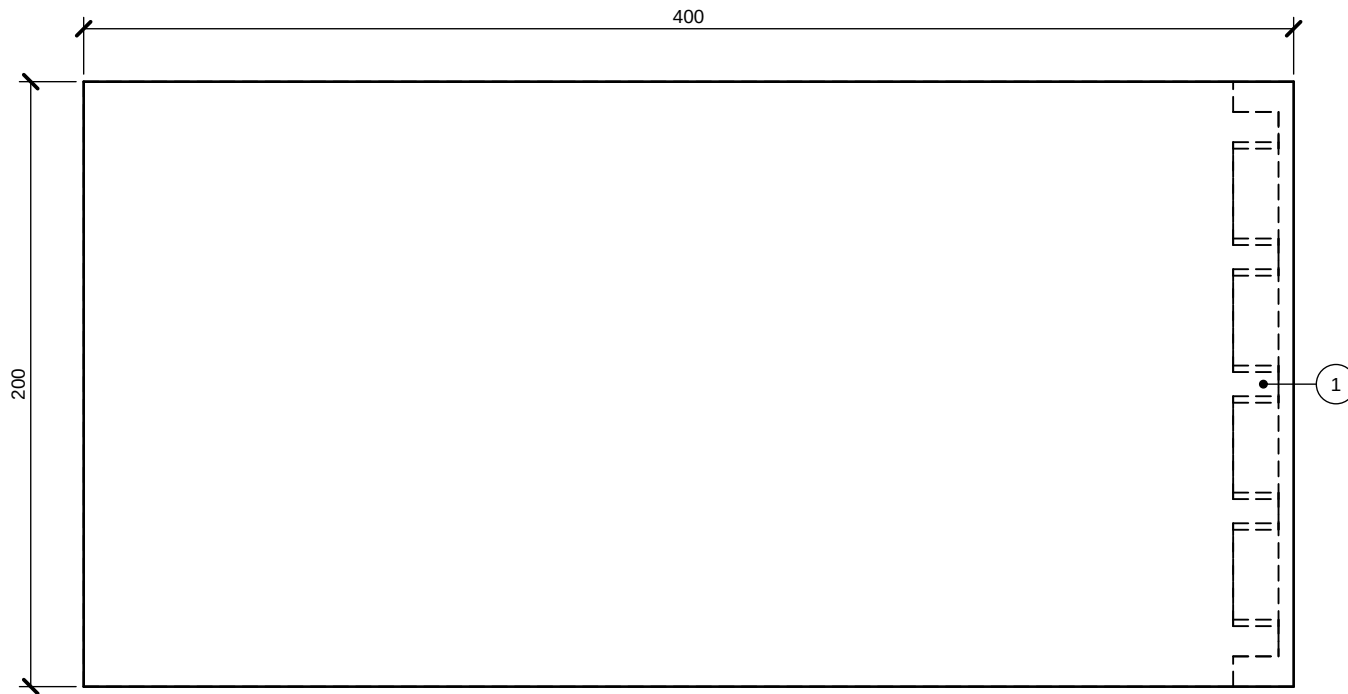
assembly	blind_mitred_dovetail_corner
parts	2
overall	500 x 200 x 400 (W x D x H)
material	oak
scale	1:8, mm



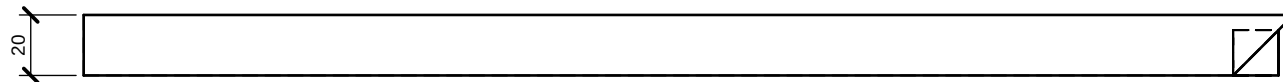
no.	part	qty	cut size (L x W x T)	material
1	side	1	400 x 200 x 20	oak
2	top	1	500 x 200 x 20	oak

EXPLODED

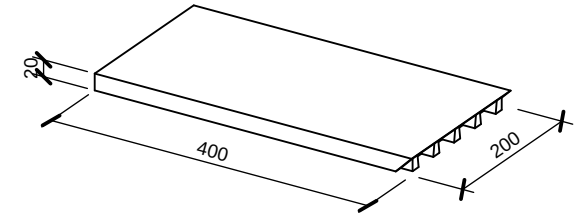
assembly	blind_mitred_dovetail_corner
parts	2
overall	500 x 200 x 400 (W x D x H)
material	oak
scale	not to scale, mm



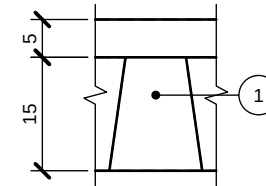
TOP FACE



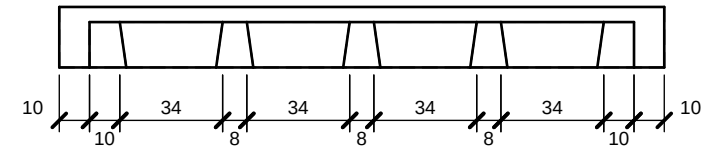
FRONT EDGE



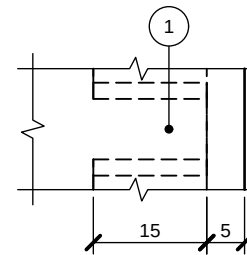
ISOMETRIC



RIGHT END: 1 1:1



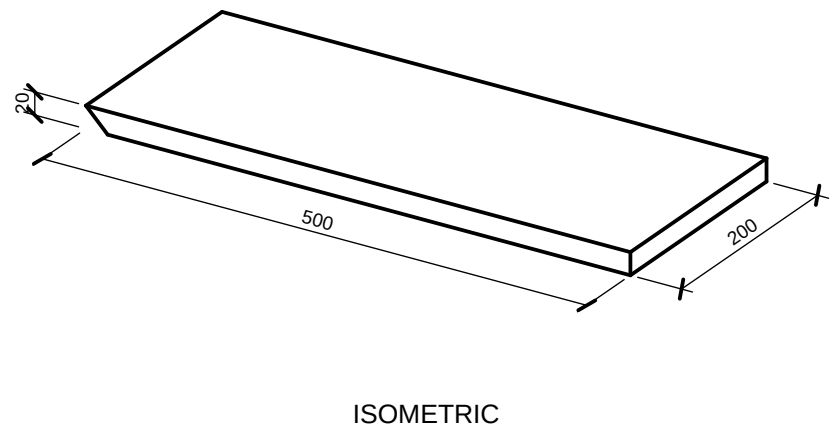
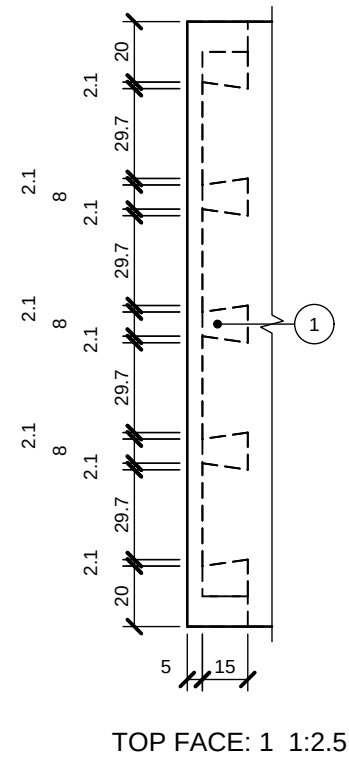
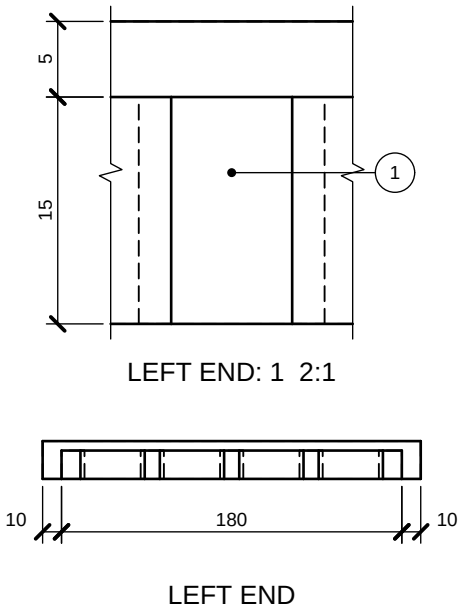
RIGHT END



TOP FACE: 1 1:1

1 sockets for 4 blind mitred dovetails, 15 deep, lap 5, mitred 10 mm at the edges

part	side
of	blind_mitred_dovetail_corner
make	1
cut size	400 x 200 x 20
material	oak
scale	1:2.5, mm



part	top
of	blind_mitred_dovetail_corner
make	1
cut size	500 x 200 x 20
material	oak
scale	1:4, mm

1 4 blind mitred dovetails, 15 long, slope 1:7, pins 15 deep, lap 5, mitred 10 mm at the edges

Cut list

side 400 x 200 x 20 mm oak
- sockets for 4 blind mitred dovetails, 15 deep, lap 5, mitred 10 mm at the edges
top 500 x 200 x 20 mm oak
- 4 blind mitred dovetails, 15 long, slope 1:7, pins 15 deep, lap 5, mitred 10 mm at the edges

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.blind_mitred_dovetail_corner
```

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

```
def blind_mitred_dovetail_corner(
    side_height: float = 400,
    top_length: float = 500,
    depth: float = 200,
    tail_count: int = 4,
    stock: Stock = OAK,
) -> Assembly:
    """A carcass corner with blind mitred (secret mitre) dovetails: tails on the
    top, pins on the side, hidden behind mitred lips; outside dimensions.

    From outside, on the faces and on the edges, the corner looks like a mitre.
    """
    asm = Assembly("blind_mitred_dovetail_corner", root_location=CASE_SIDE)
    side = asm.add(Board("side", stock, length=side_height - stock.thickness, width=depth))
    top = asm.add(Board("top", stock, length=top_length - stock.thickness, width=depth))
    asm.join(BlindMitredDovetail(tails=top.left_end, pins=side.right_end, tail_count=tail_count))
    return asm
```