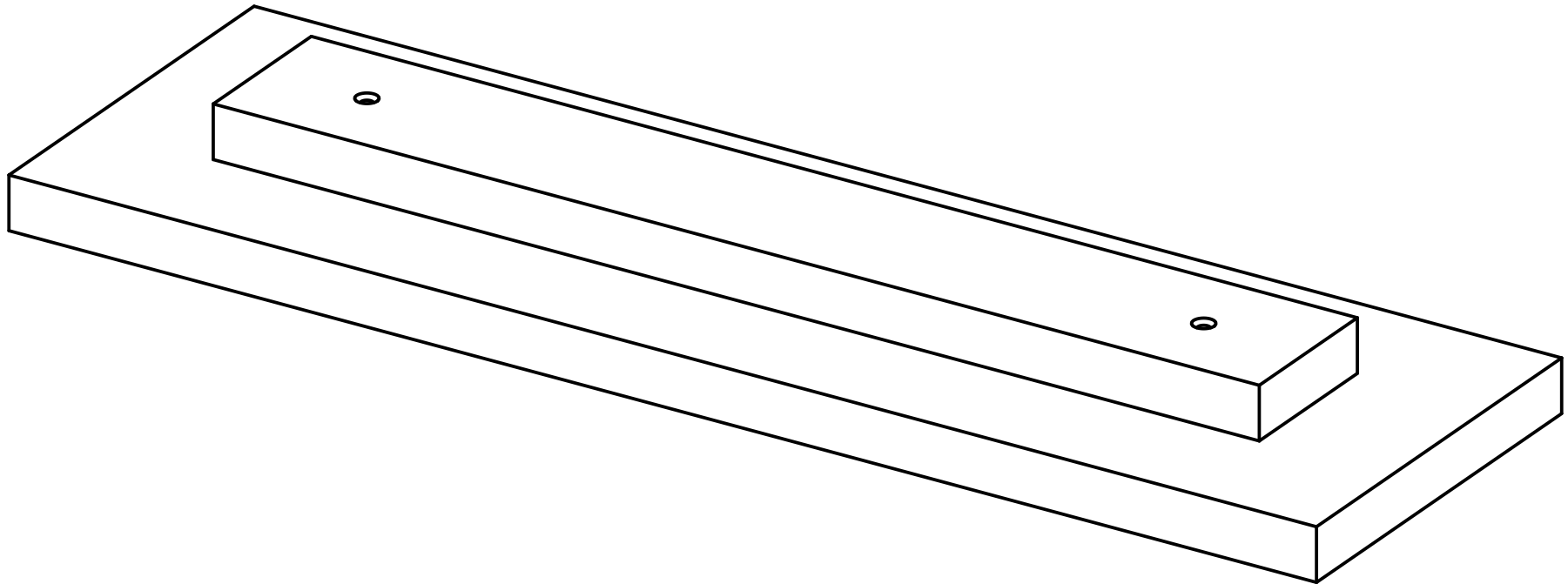


Screwed batten



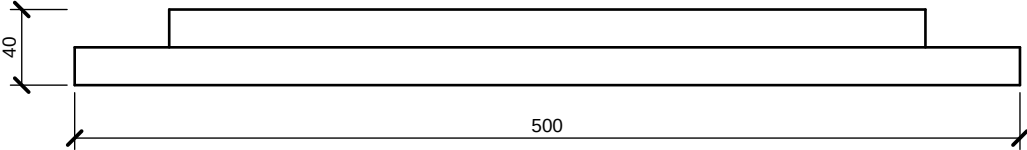
parts	2
overall	500 x 150 x 40 (W x D x H)
material	oak
date	2026-10-25
made with	woodwright 0.9.0

Contents

Drawings	3
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1 board	5
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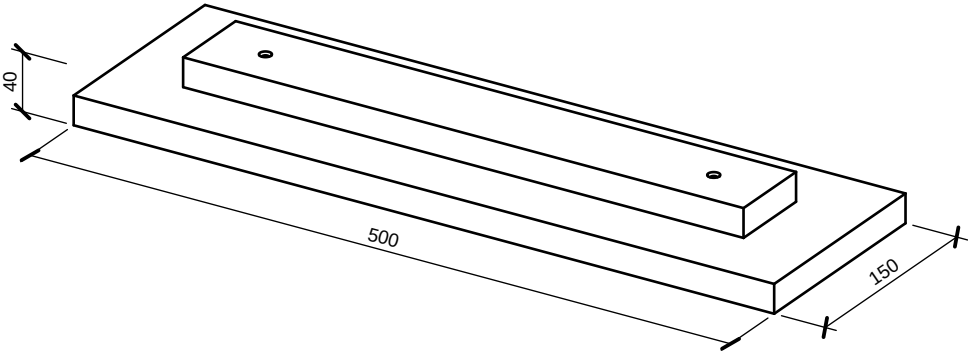
TOP



FRONT

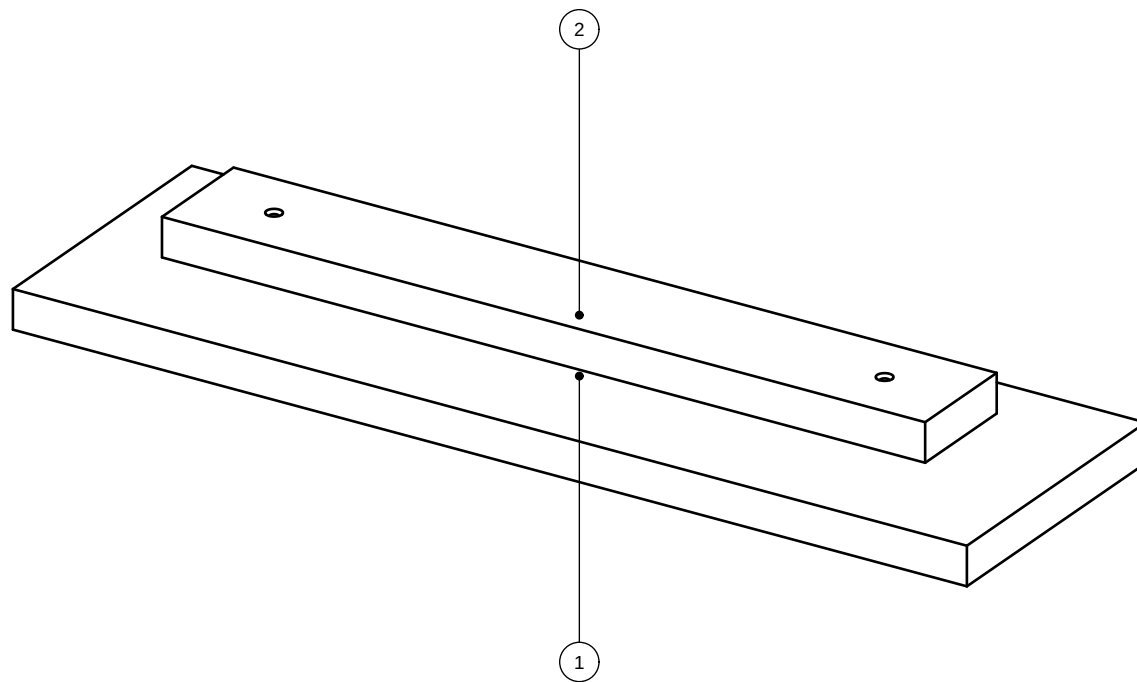


RIGHT SIDE



ISOMETRIC

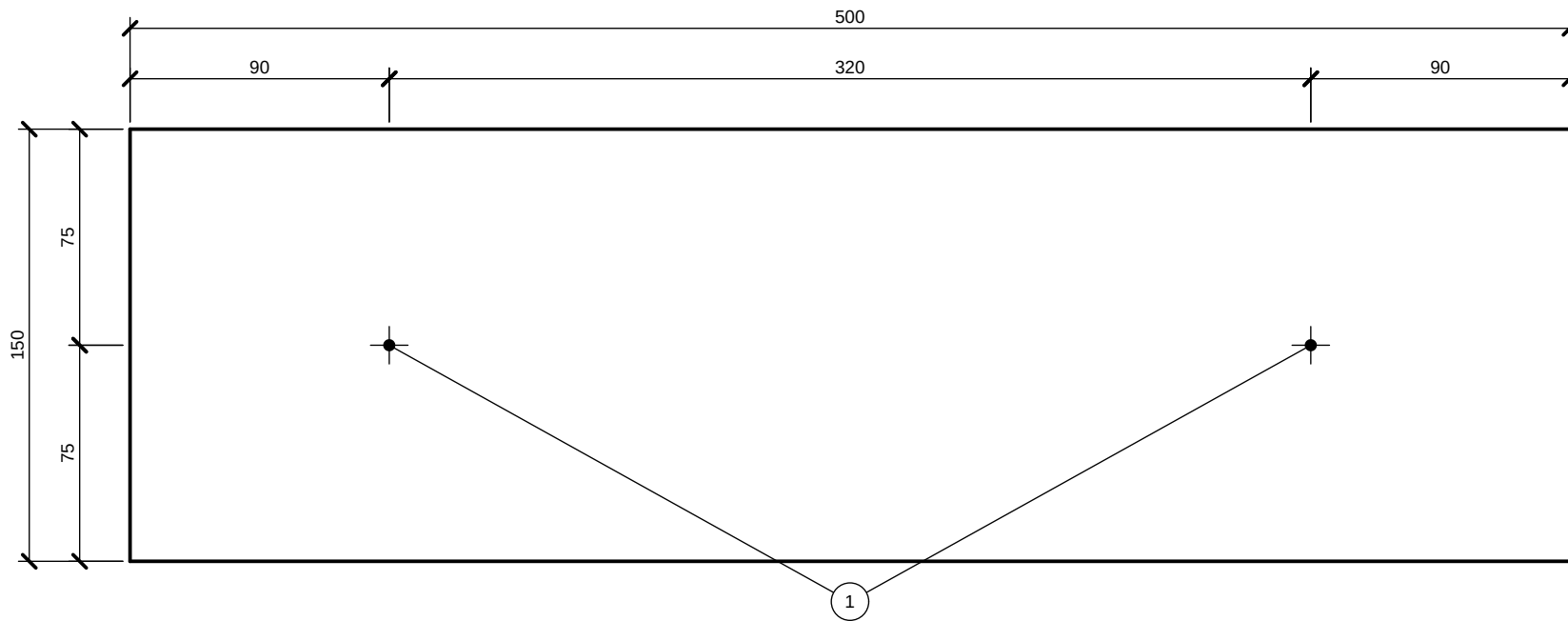
assembly	screwed_batten
parts	2
overall	500 x 150 x 40 (W x D x H)
material	oak
scale	1:4, mm



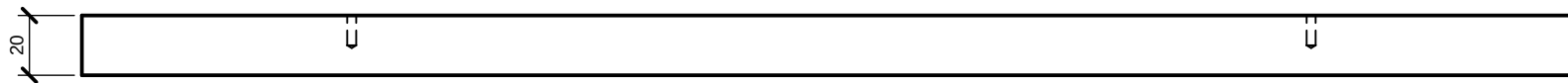
EXPLODED

no.	part	qty	cut size (L x W x T)	material
1	board	1	500 x 150 x 20	oak
2	batten	1	400 x 60 x 20	oak

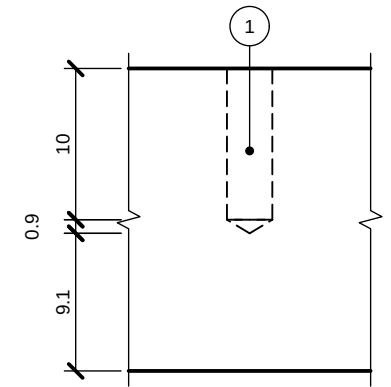
assembly	screwed_batten
parts	2
overall	500 x 150 x 40 (W x D x H)
material	oak
scale	not to scale, mm



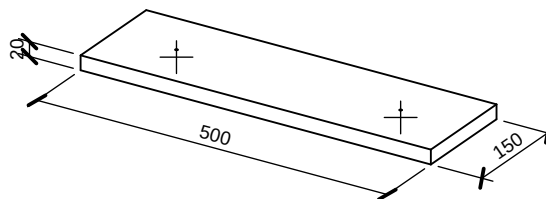
TOP FACE



FRONT EDGE



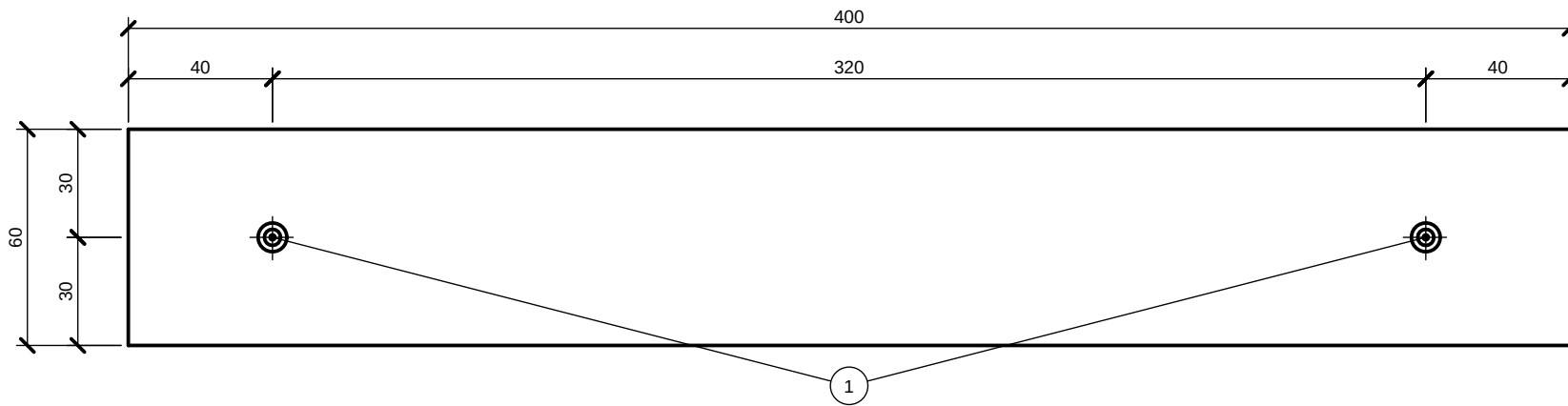
FRONT EDGE: 1 2:1



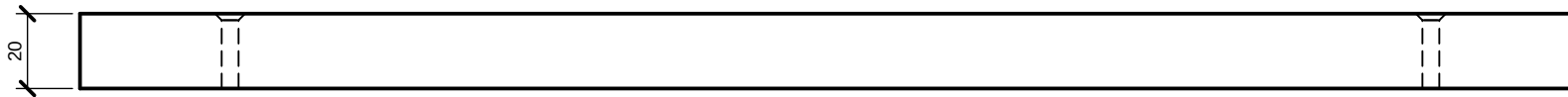
ISOMETRIC

1 2 x pilot hole $\varnothing 3$, 10 deep, drill point 118 deg, in top_face, for a 4 x 30 screw

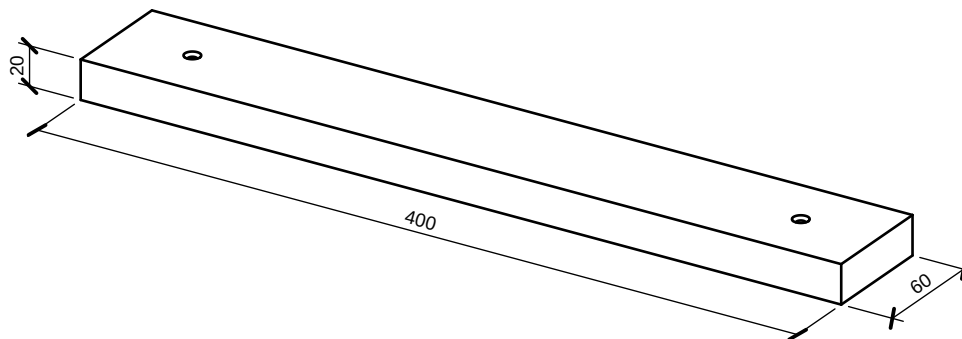
part	board
of	screwed_batten
make	1
cut size	500 x 150 x 20
material	oak
scale	1:2.5, mm



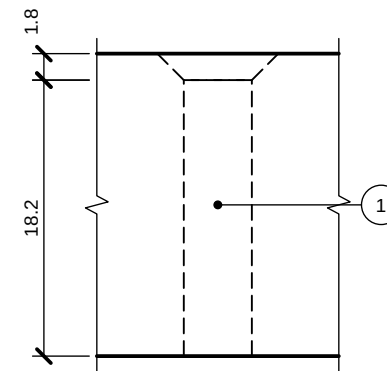
TOP FACE



FRONT EDGE



ISOMETRIC



FRONT EDGE: 1 2:1

1 2 x clearance hole $\varnothing 4.5$, countersunk $\varnothing 8$, 90 deg, in top_face, for a 4 x 30 screw

part	batten
of	screwed_batten
make	1
cut size	400 x 60 x 20
material	oak
scale	1:2, mm

Cut list

board 500 x 150 x 20 mm oak
- 2 x pilot hole $\varnothing 3$, 10 deep, drill point 118 deg, in top_face, 90 and 410 from left_end; centered, for a 4 x 30 screw

batten 400 x 60 x 20 mm oak
- 2 x clearance hole $\varnothing 4.5$, countersunk $\varnothing 8$, 90 deg, in top_face, 40 from left_end and right_end; centered, for a 4 x 30 screw

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.screwed_batten
```

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

```
def screwed_batten(screw_length: float = 30) -> Assembly:
    """A batten screwed to a board (e.g. the ledge of a door, seen from the
    back), two 4 mm screws in countersunk clearance holes."""
    asm = Assembly("screwed_batten")
    board = asm.add(Board("board", OAK, length=500, width=150))
    batten = asm.add(Board("batten", OAK, length=400, width=60))
    asm.join(Butt(board.top_face, batten.bottom_face, across=CENTERED))
    for end in (batten.left_end, batten.right_end):
        asm.join(Screw(batten.top_face, into=board, length=screw_length, at={end: 40}))
    return asm
```