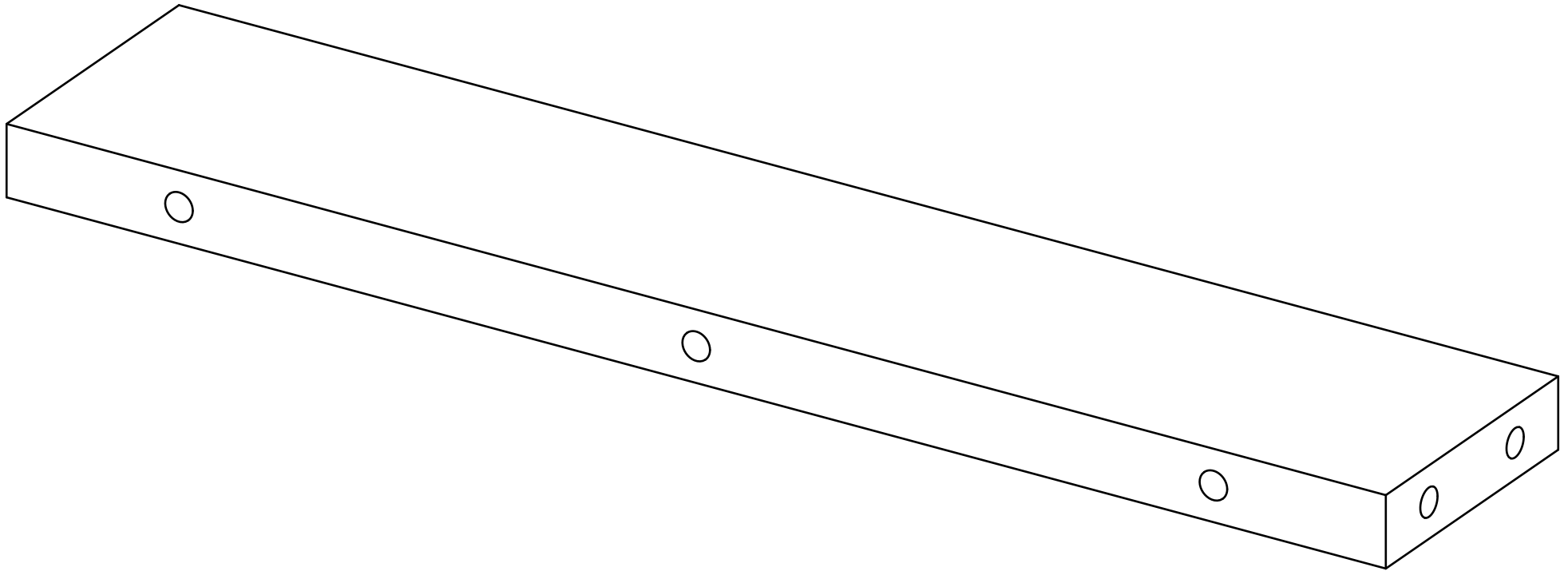


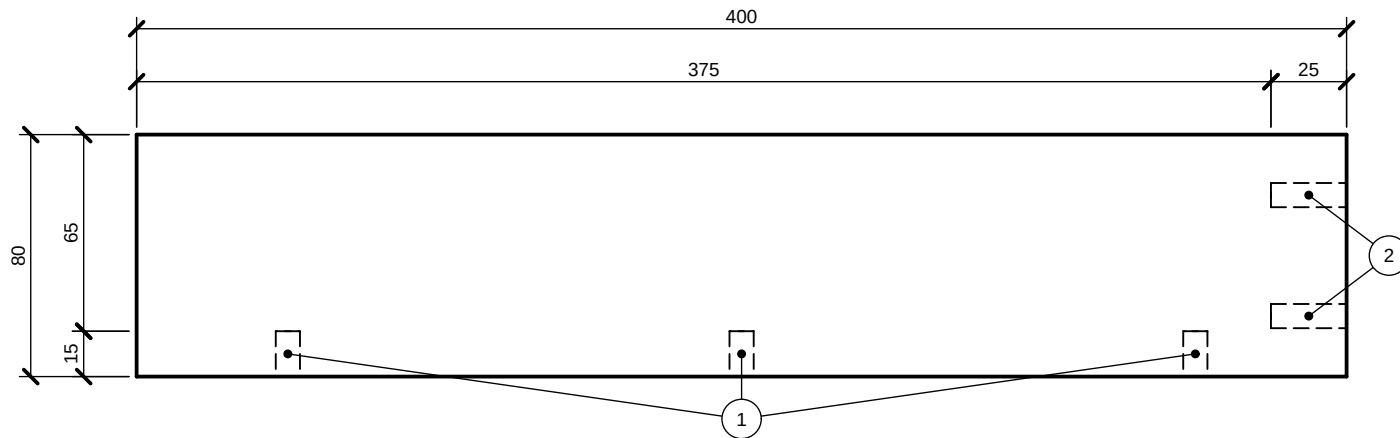
Dowel holes



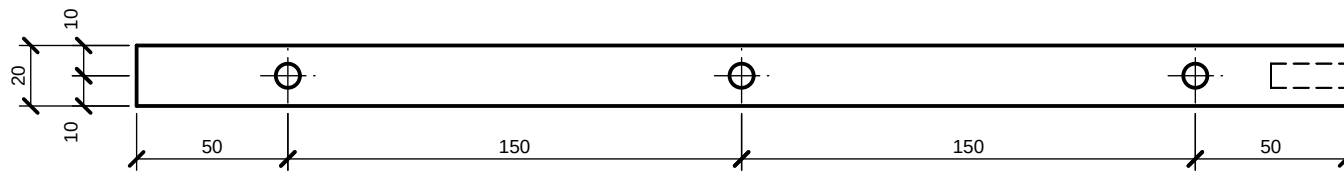
parts	1
overall	400 x 80 x 20 (W x D x H)
material	oak
date	2026-10-25
made with	woodwright 0.9.0

Contents

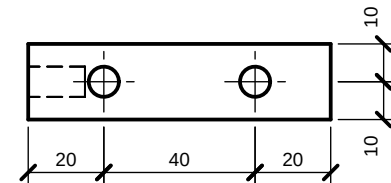
Drawings	3
1 board	3
Cut list	4
Appendix: source	5



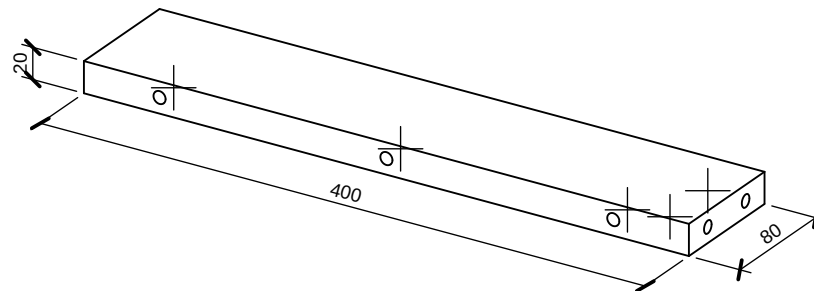
TOP FACE



FRONT EDGE



RIGHT END 1:2



ISOMETRIC

- 1 3 x hole $\varnothing 8$, 15 deep, in front_edge
 2 2 x hole $\varnothing 8$, 25 deep, in right_end

part	board
of	dowel_holes
make	1
cut size	400 x 80 x 20
material	oak
scale	1:2.5, mm

Cut list

board 400 x 80 x 20 mm oak

- 3 x hole ø8, 15 deep, in front_edge, 50 to 350 every 150 from left_end; centered
- 2 x hole ø8, 25 deep, in right_end, 20 and 60 from front_edge; centered

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 cuts.dowel_holes
```

cuts.dowel_holes, in woodwright/examples/cuts.py

```
def dowel_holes(diameter: float = 8, stock: Stock = OAK) -> Assembly:
    """Holes for dowels: in an edge, for an edge joint (half the dowel's
    length, 15, deep), and in an end, for a frame corner (25 deep)."""
    asm, board = _board("dowel_holes", stock, length=400, width=80)
    for distance in (50, 200, 350):
        board.cut(Hole(board.front_edge, diameter, depth=15, at={board.left_end: distance}))
    for distance in (20, 60):
        board.cut(Hole(board.right_end, diameter, depth=25, at={board.front_edge: distance}))
    return asm
```