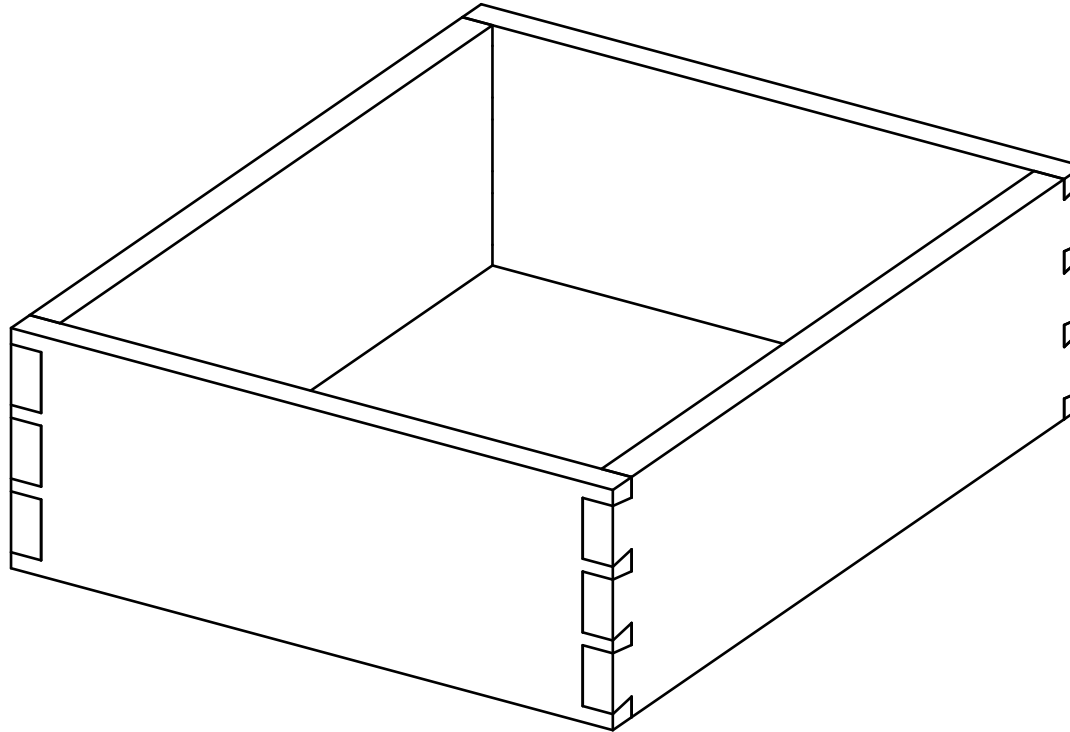


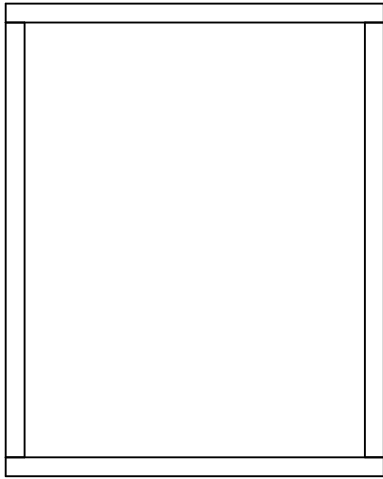
Dovetail drawer



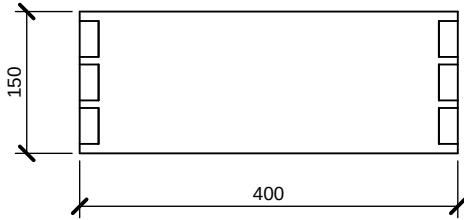
parts	4 (2 different)
overall	400 x 500 x 150 (W x D x H)
material	oak
date	2026-10-25
made with	woodwright 0.9.0

Contents

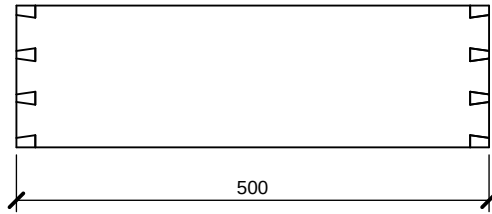
Drawings	3
Assembly	3
Parts	4
1 front_back	5
2 left_right	6
Cut list	7
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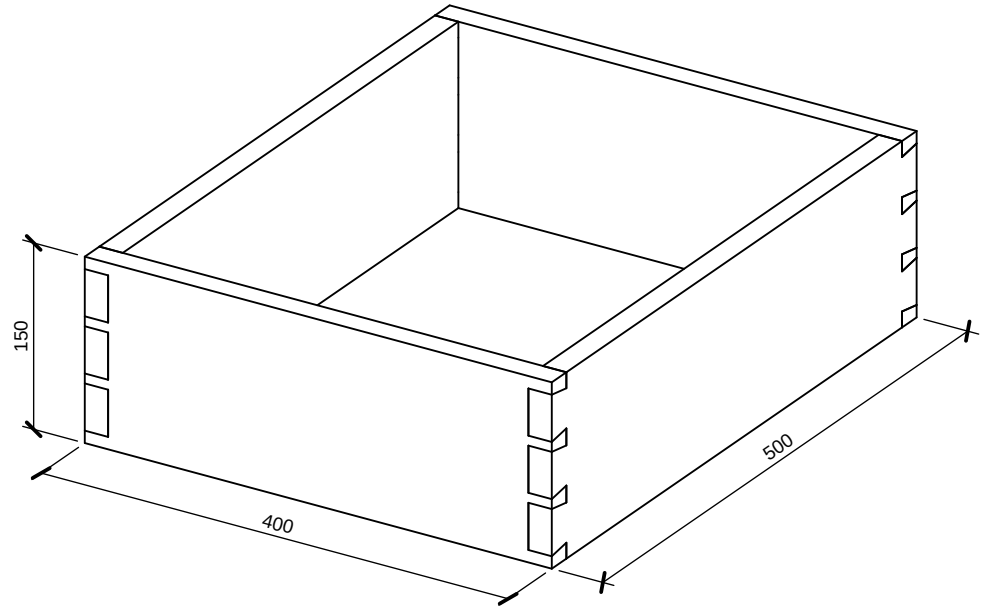
TOP



FRONT

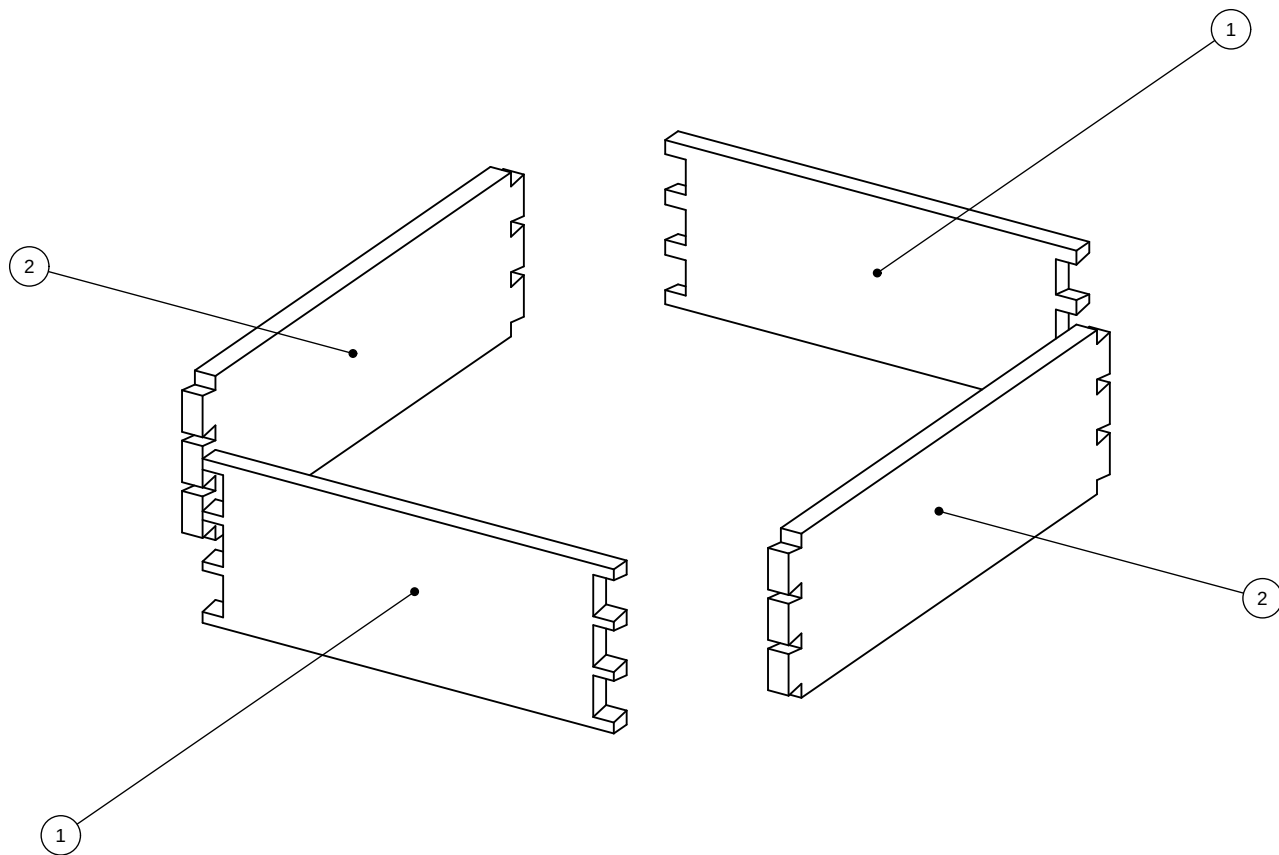


RIGHT SIDE



ISOMETRIC

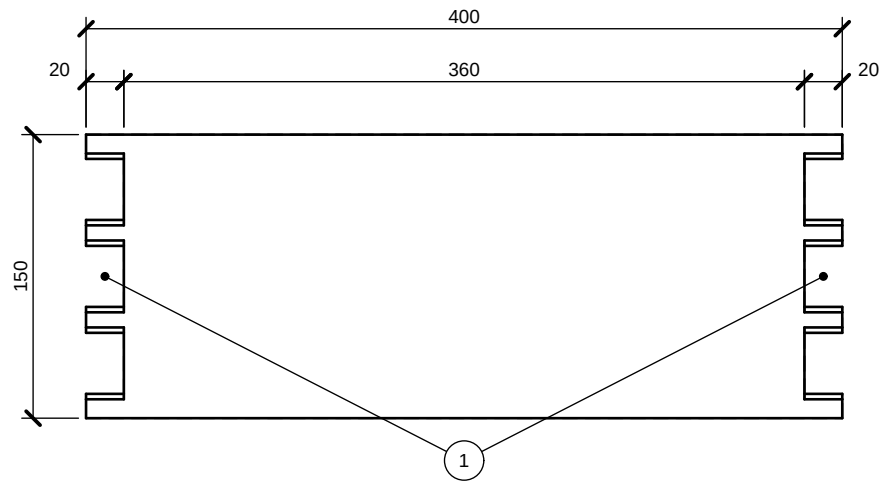
assembly	dovetail_drawer
parts	4 (2 different)
overall	400 x 500 x 150 (W x D x H)
material	oak
scale	1:8, mm



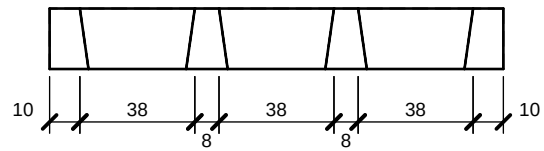
EXPLODED

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

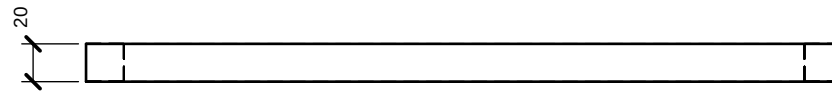
assembly	dovetail_drawer
parts	4 (2 different)
overall	400 x 500 x 150 (W x D x H)
material	oak
scale	not to scale, mm



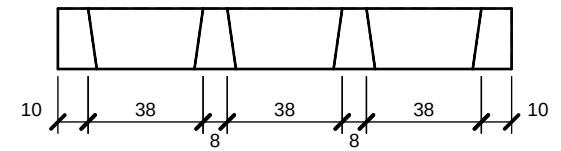
TOP FACE



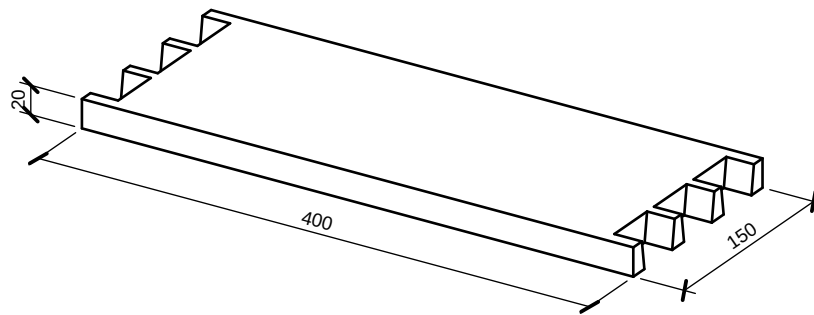
LEFT END 1:2.5



FRONT EDGE



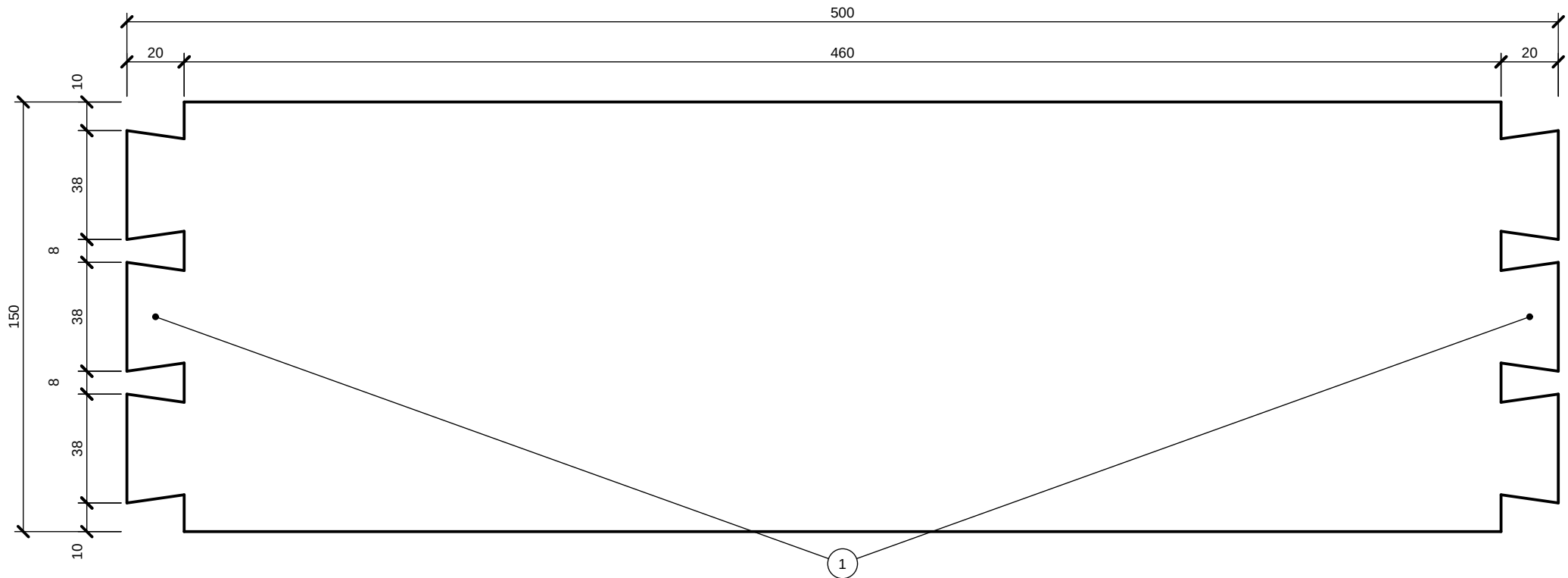
RIGHT END 1:2.5



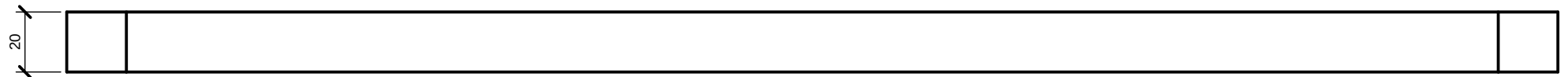
ISOMETRIC

2 pieces: front, back
1 2 x sockets for 3 dovetails

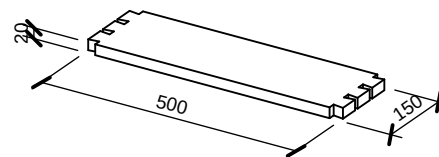
part	front_back
of	dovetail_drawer
make	2
cut size	400 x 150 x 20
material	oak
scale	1:4, mm



TOP FACE



FRONT EDGE



ISOMETRIC

2 pieces: left, right
1 2 x 3 dovetails, slope 1:7

part	left_right
of	dovetail_drawer
make	2
cut size	500 x 150 x 20
material	oak
scale	1:2, mm

Cut list

front_back 400 x 150 x 20 mm oak, 2 pieces: front, back
- 2 x sockets for 3 dovetails
left_right 500 x 150 x 20 mm oak, 2 pieces: left, right
- 2 x 3 dovetails, slope 1:7

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 projects.dovetail_drawer
```

projects.dovetail_drawer, in woodwright/examples/projects.py

```
def dovetail_drawer(
    width: float = 400,
    depth: float = 500,
    height: float = 150,
    stock: Stock = OAK,
) -> Assembly:
    """A drawer box with through dovetails at all four corners (no bottom); outside sizes.

    The front and the back have pins at both ends, the sides tails at both
    ends, so the front can't be pulled off. All boards have their reference
    faces outside and reference edges at the bottom; the back and the right
    side are mirror images of the front and the left side.
    """
    t = stock.thickness
    asm = Assembly("dovetail_drawer", root_location=BOX_FRONT)
    front = asm.add(Board("front", stock, length=width - 2 * t, width=height))
    back = asm.add(Board("back", stock, length=width - 2 * t, width=height, mirror=True))
    left = asm.add(Board("left", stock, length=depth - 2 * t, width=height))
    right = asm.add(Board("right", stock, length=depth - 2 * t, width=height, mirror=True))
    # The sides' right ends are at the front.
    for side, front_end, back_end in [
        (left, front.left_end, back.left_end),
        (right, front.right_end, back.right_end),
    ]:
        asm.join(ThroughDovetail(tails=side.right_end, pins=front_end, tail_count=3))
        asm.join(ThroughDovetail(tails=side.left_end, pins=back_end, tail_count=3))
    return asm
```