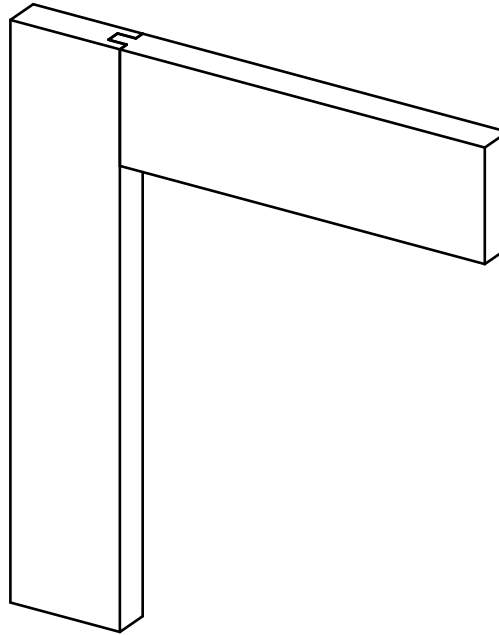


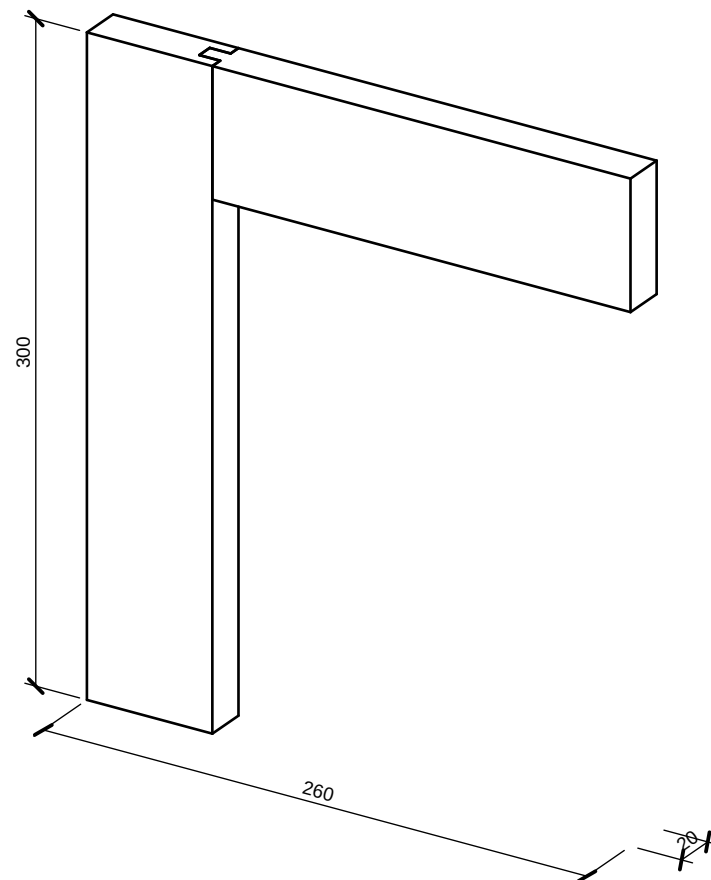
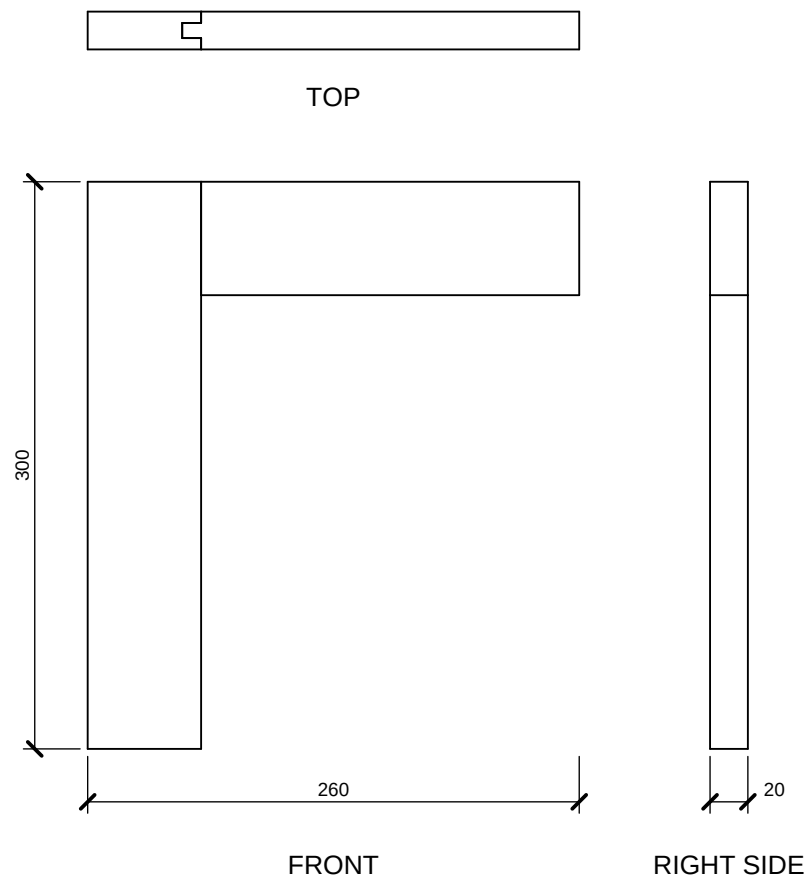
Haunched mortise tenon corner



parts	2
overall	260 x 20 x 300 (W x D x H)
material	oak
date	2026-10-25
made with	woodwright 0.9.0

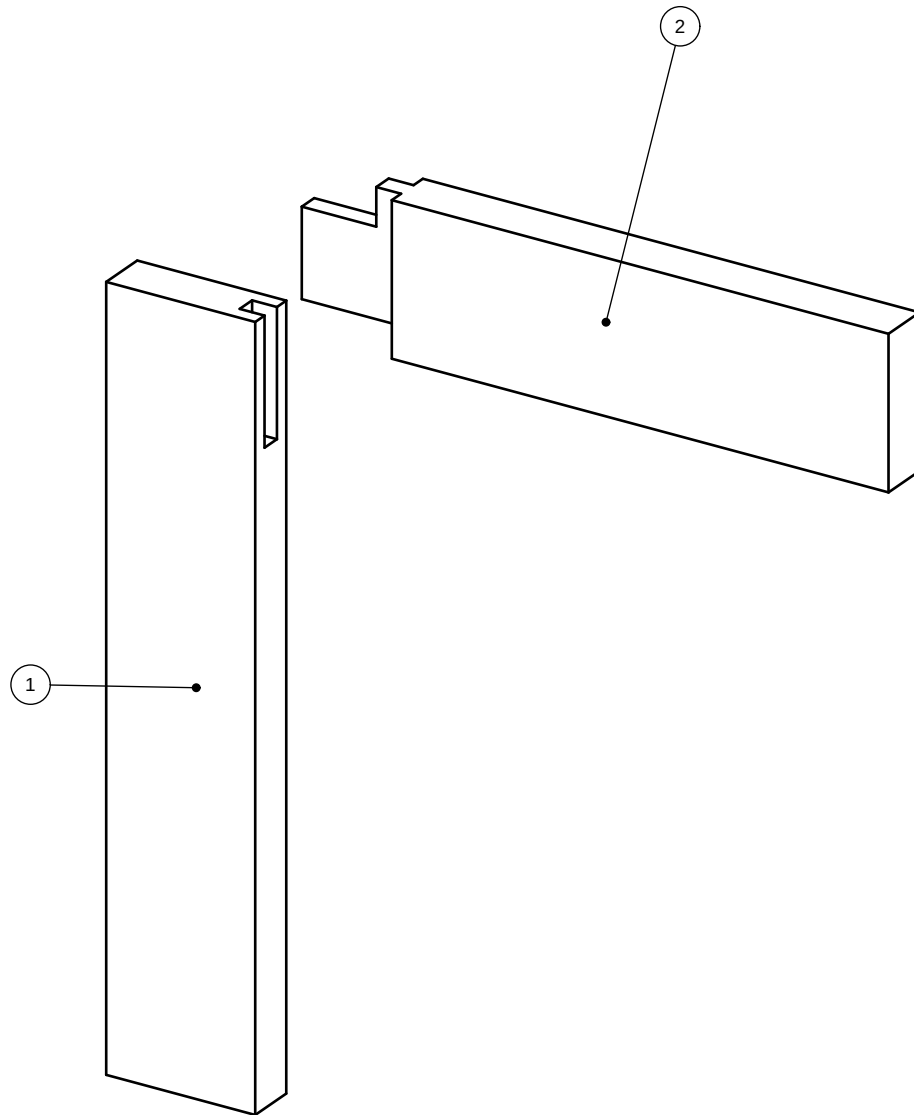
Contents

Drawings	3
Assembly	3
Parts	4
1 stile	5
2 rail	6
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ISOMETRIC

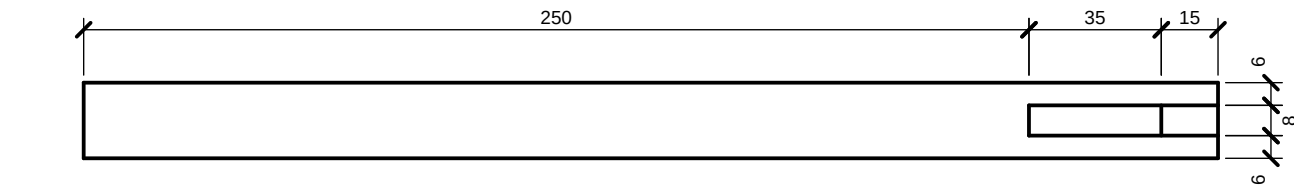
assembly	haunched_mortise_tenon_corner
parts	2
overall	260 x 20 x 300 (W x D x H)
material	oak
scale	1:4, mm



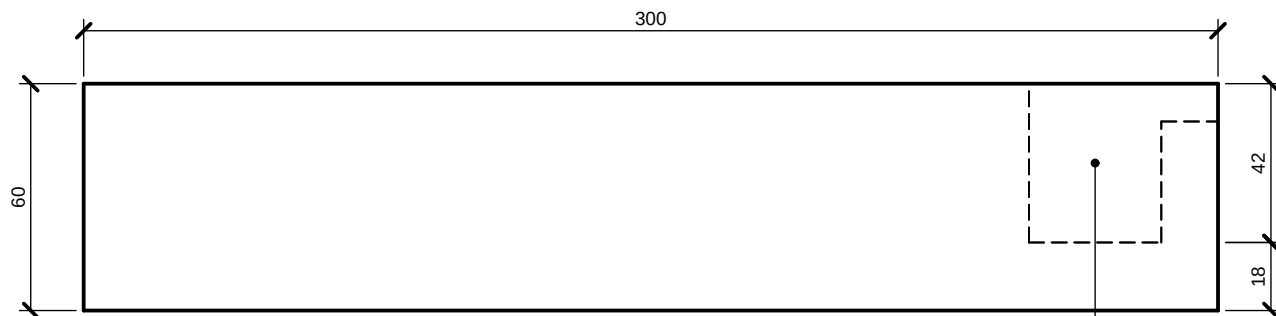
no.	part	qty	cut size (L x W x T)	material
1	stile	1	300 x 60 x 20	oak
2	rail	1	240 x 60 x 20	oak

EXPLODED

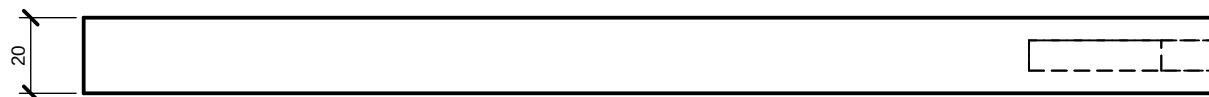
assembly	haunched_mortise_tenon_corner
parts	2
overall	260 x 20 x 300 (W x D x H)
material	oak
scale	not to scale, mm



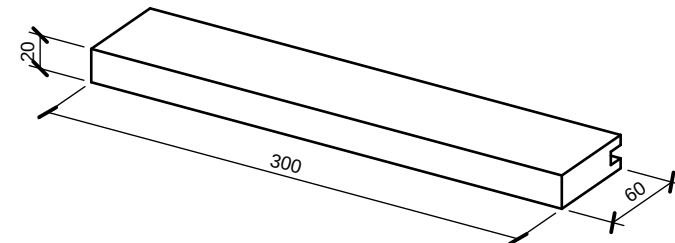
BACK EDGE



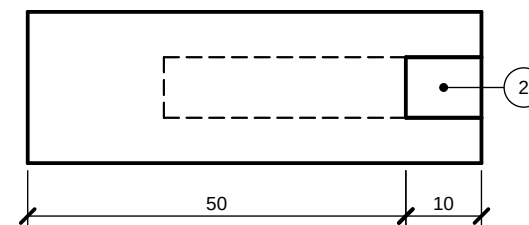
TOP FACE



FRONT EDGE



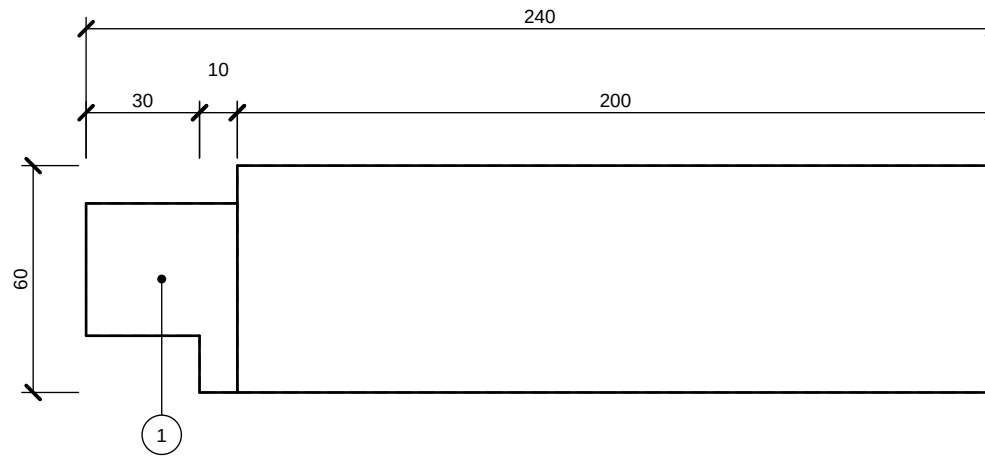
ISOMETRIC



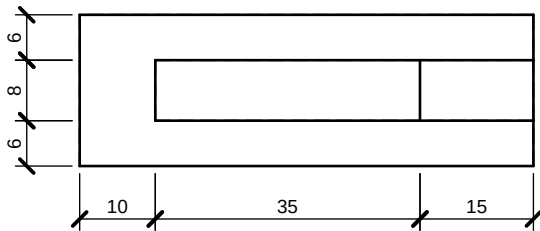
RIGHT END 1:1

- 1 mortise 35 x 8 mm, 42 deep, in back_edge
2 haunch mortise 15 x 8 mm, 10 deep, in back_edge at right_end

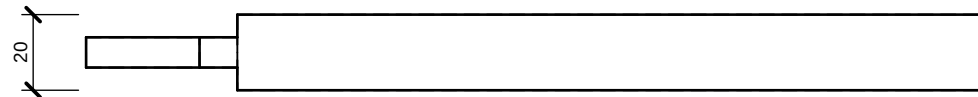
part	stile
of	haunched_mortise_tennon_corner
make	1
cut size	300 x 60 x 20
material	oak
scale	1:2, mm



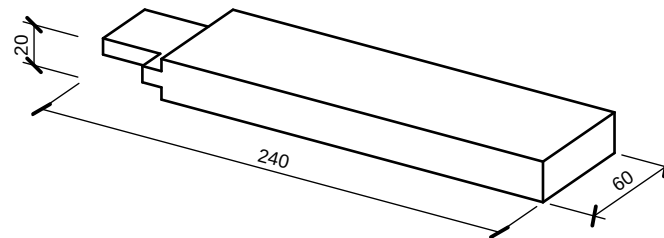
TOP FACE



LEFT END 1:1



FRONT EDGE



ISOMETRIC

part	rail
of	haunched_mortise_tenon_corner
make	1
cut size	240 x 60 x 20
material	oak
scale	1:2, mm

1 haunched tenon 35 x 8 mm, 40 long, haunch 10 long, on left_end

Cut list

stile 300 x 60 x 20 mm oak
- mortise 35 x 8 mm, 42 deep, in back_edge
- haunch mortise 15 x 8 mm, 10 deep, in back_edge at right_end
rail 240 x 60 x 20 mm oak
- haunched tenon 35 x 8 mm, 40 long, haunch 10 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.haunched_mortise_tenon_corner
```

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

```
def haunched_mortise_tenon_corner(
    stile_length: float = 300,
    rail_length: float = 200,
    width: float = 60,
    tenon_length: float = 40,
    outer_shoulder: float = 15,
    inner_shoulder: float = 10,
    haunch_length: float = 10,
    stock: Stock = OAK,
) -> Assembly:
    """A frame corner with a haunched tenon: shoulders on both edges, a haunch on the outer one.

    On the inner edge the tenon has a small shoulder, which hides the
    mortise; on the outer edge the shoulder sets the mortise back from the
    end of the stile, and a haunch, a short, shallow continuation of the
    tenon, fills it in a haunch mortise running out of the stile's end, so
    the rail can't twist. Unlike `haunched_stub_tenon_corner` (no inner
    shoulder) and `stub_tenon_corner` (no haunch either).
    """
    return _corner_tenon(
        "haunched_mortise_tenon_corner",
        stile_length,
        rail_length,
        width,
        tenon_length,
        outer_shoulder=outer_shoulder,
        inner_shoulder=inner_shoulder,
        haunch_length=haunch_length,
        stock=stock,
    )
```