Measure first, then draw

Use the same units throughout. Fictional examples are not product dimensions.

1. Choose a corner as origin. Label walls A, B, C and D before measuring.
2. Measure usable floor edges, offsets, projections and fixed obstructions.
3. Measure the whole furniture frame, not just a mattress or shelf label.
4. Draw actual door-leaf travel and separately record handles / working space.
5. Print pages 2-4 at Actual size / 100%; measure their 100 mm check lines.
6. At 1:20: drawing millimetres = real millimetres divided by 20.

Room / date / person measuring

Origin corner and wall labels

Units and drawing scale mm / 1:20

Wall A and opposite wall C

Wall B and opposite wall D

Door hinge from chosen corner

Door leaf span and actual travel

Window / heater / fixed projections

Furniture outer width x depth

Drawer / door / chair working area

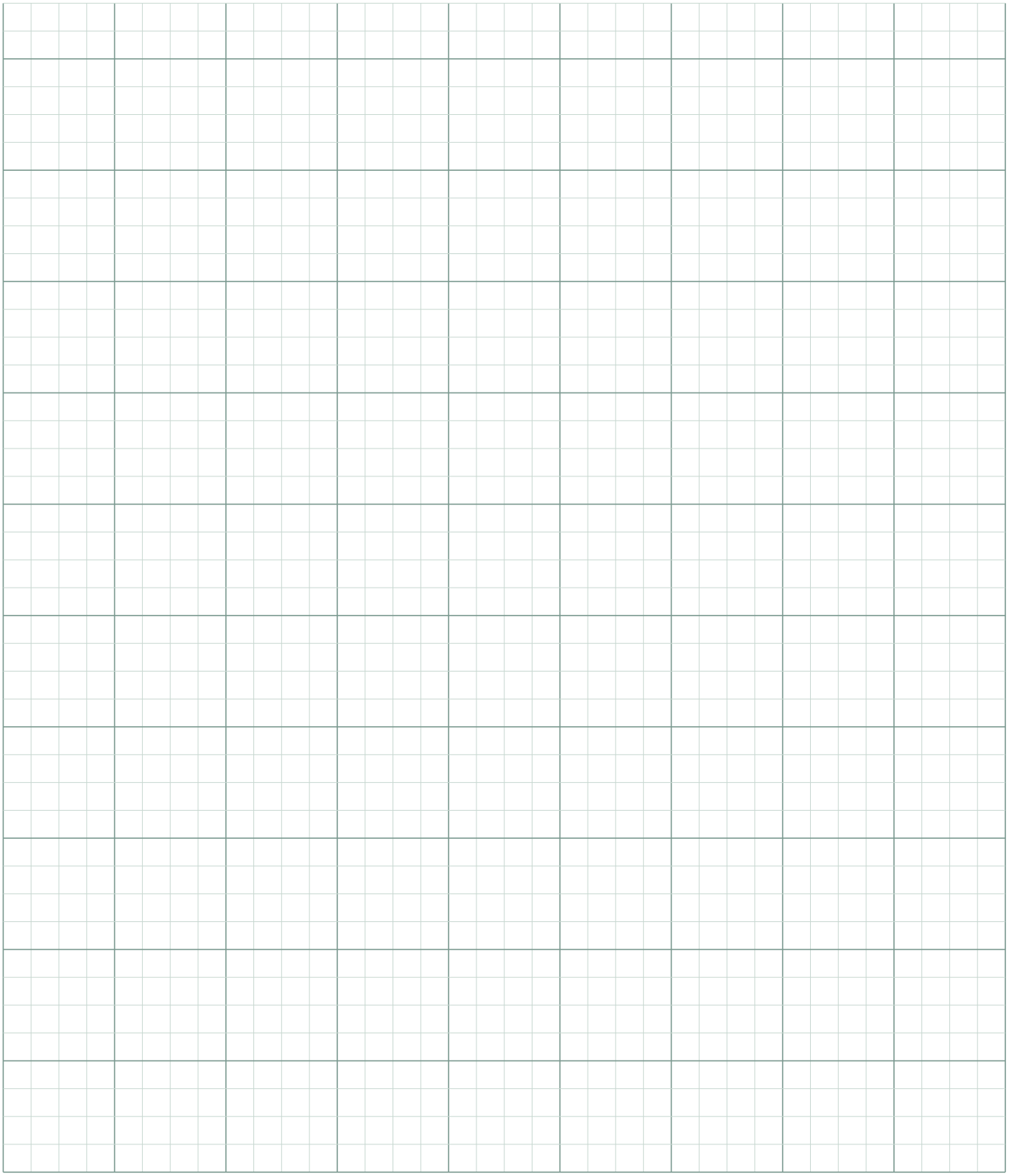
Uncertainty or inaccessible dimension

Site checks / permission still needed

A scale drawing does not certify access, escape routes or local requirements.
Do not alter a fire door, fixed service or structure to match a paper layout.
Source facts: NIST length units; USFA Home Fire Escape Plans.
Full source links and answer notes are in the accompanying webpage.

Blank bedroom grid - 1:20

Each 5 mm square represents 100 mm in the room. Grid: 3600 x 4200 mm.



Check this line: exactly 100 mm on the printed sheet.

Paper furniture - 1:20

Fictional OUTER frames. Cut on outlines only after checking print size.

BED FRAME

1600 x 2050 mm real

80 x 102.5 mm on paper

WARDROBE

1200 x 600 mm real

60 x 30 mm paper

DESK

1000 x 500 mm real

50 x 25 mm paper

TABLE

500 x 500 mm

25 x 25 paper

Draw additional working zones on tracing paper or your plan:

- Actual wardrobe-door travel; drawer extension; chair pulled out.
- Actual door handle projection and any fixed obstruction.
- Required access for occupants and the building; confirm on site.

These pieces include no universal passage or working-space allowance.

A label saying "fits" must not replace a full door / drawer / route check.

For your own furniture: outer size in mm / 20 = paper size in mm.

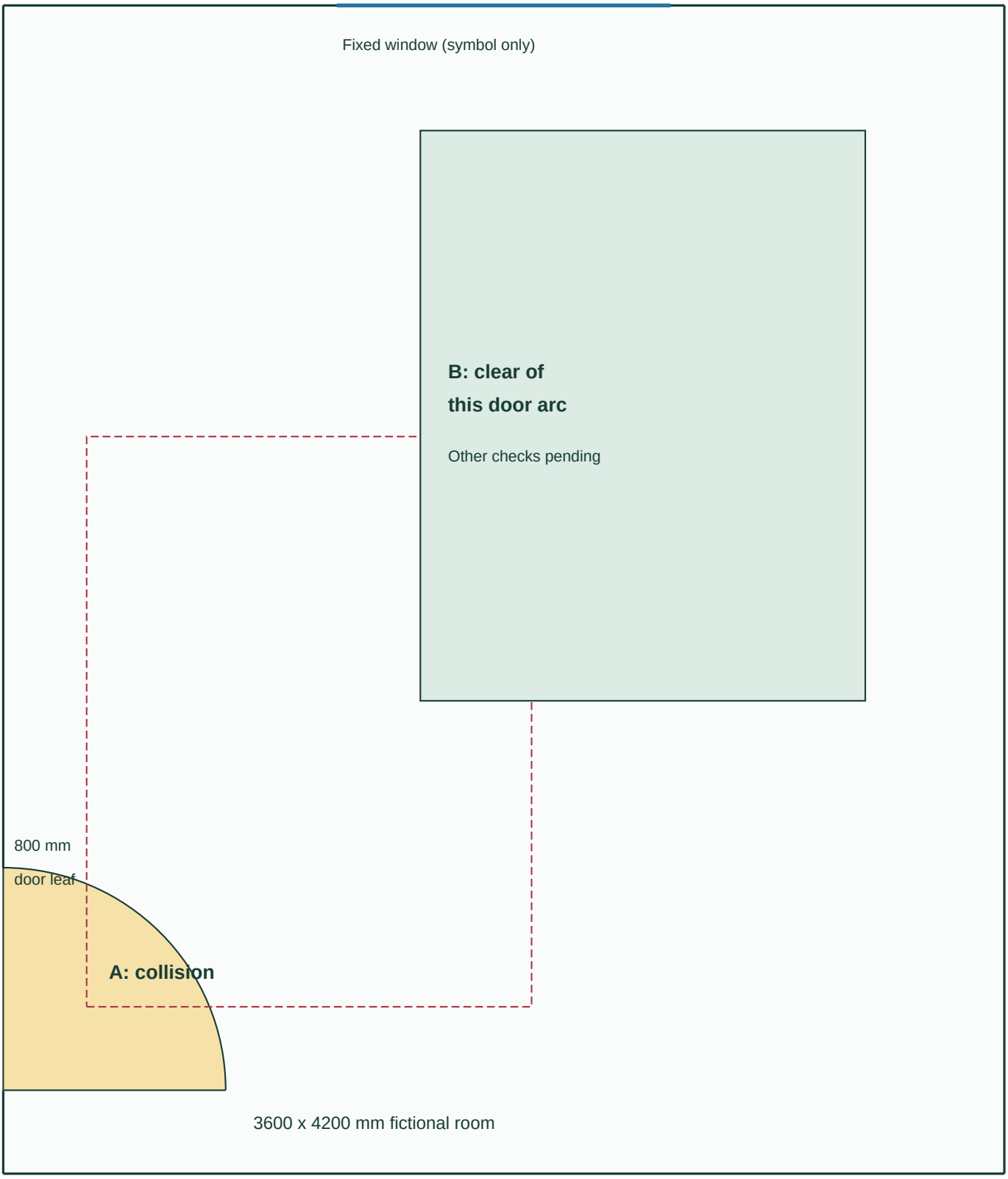
Example door leaf: 800 mm real = 40 mm radius on paper.

This radius is leaf travel, not proof of a clear doorway width.

Check this line: exactly 100 mm on the printed sheet.

Two paper positions, one swing check

A and B are ALTERNATIVES. Drawn at 1:20; no room has been inspected.



Check this line: exactly 100 mm on the printed sheet.