The paper machine

Full-size top view
Pages 2 to 5 form one full-size plan, viewed from above.

Print setup
Use A4 portrait, 100% or Actual size. Disable Fit to page.

Scale check
Measure both 100 mm check bars on each tile before trimming.

Assembly
Lay rear left and rear right above front left and front right.

Overlap
Trim a panel edge and overlap the shared 10 mm strip.

Registration
Match the crosses and check a continuous line with a straightedge.

Bench datum
The front left outside corner is (0, 0). Positive Y points rearward.

Base
Outside 240 x 320. Clear opening 200 x 280. Profile 20 x 20.

Bed
Card 130 x 140. Working window 110 x 120, centred on the card.

Positions
Bed centre X = 120. Centre Y = 100, 160 or 220.

Nozzle
Fixed Y = 160. Planned nozzle X runs from 65 to 175.

Cable
Rear gap = 10. A 25 mm rear overhang overlaps by 15.

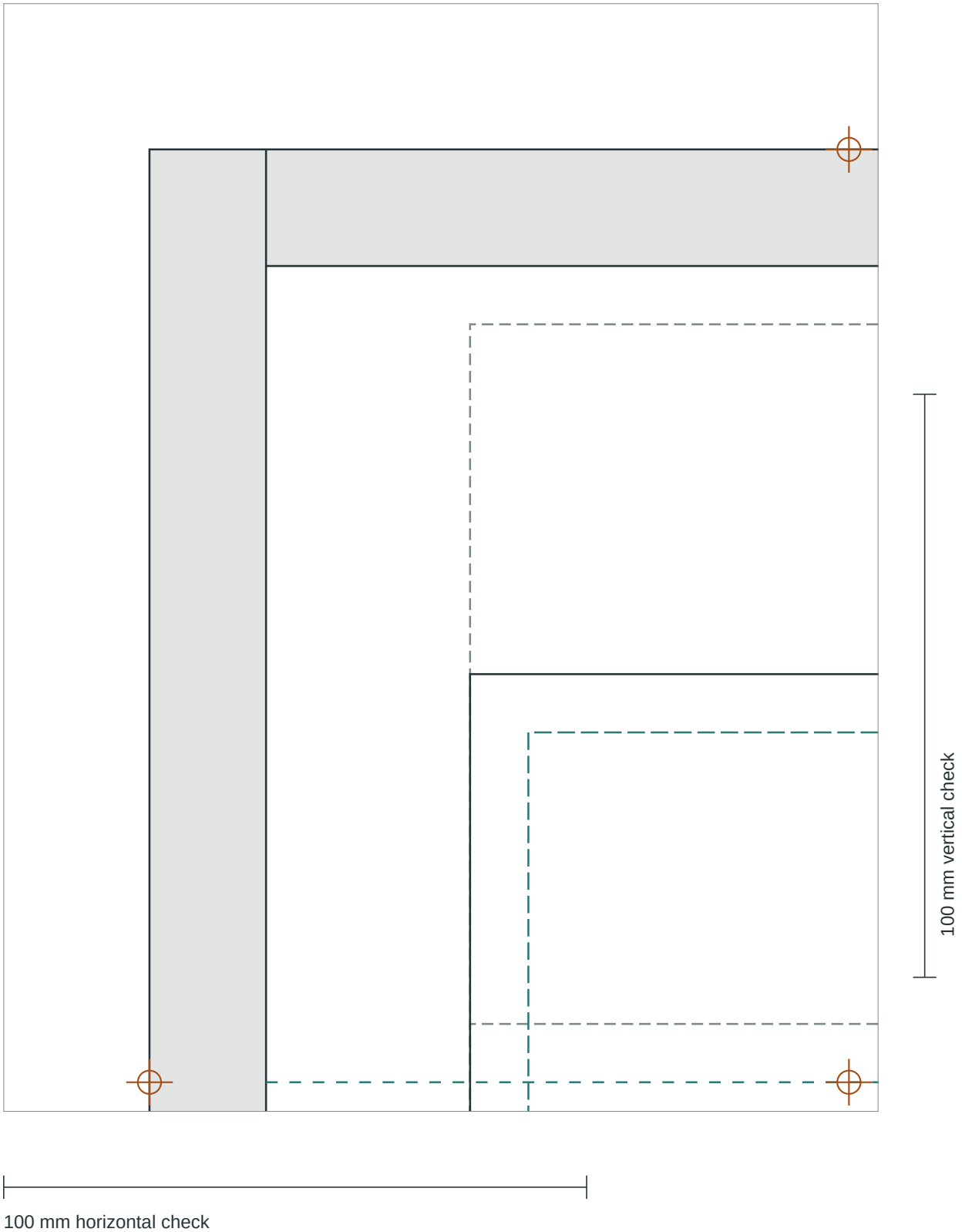
Service side
Side gap = 35. A 25 mm wide side envelope leaves 10.

Before cutting
Verify your donor, joints, moving hardware and harness on the mock-up.

The elevations and stock schedule are on page 6. All dimensions in mm.

Rear left tile

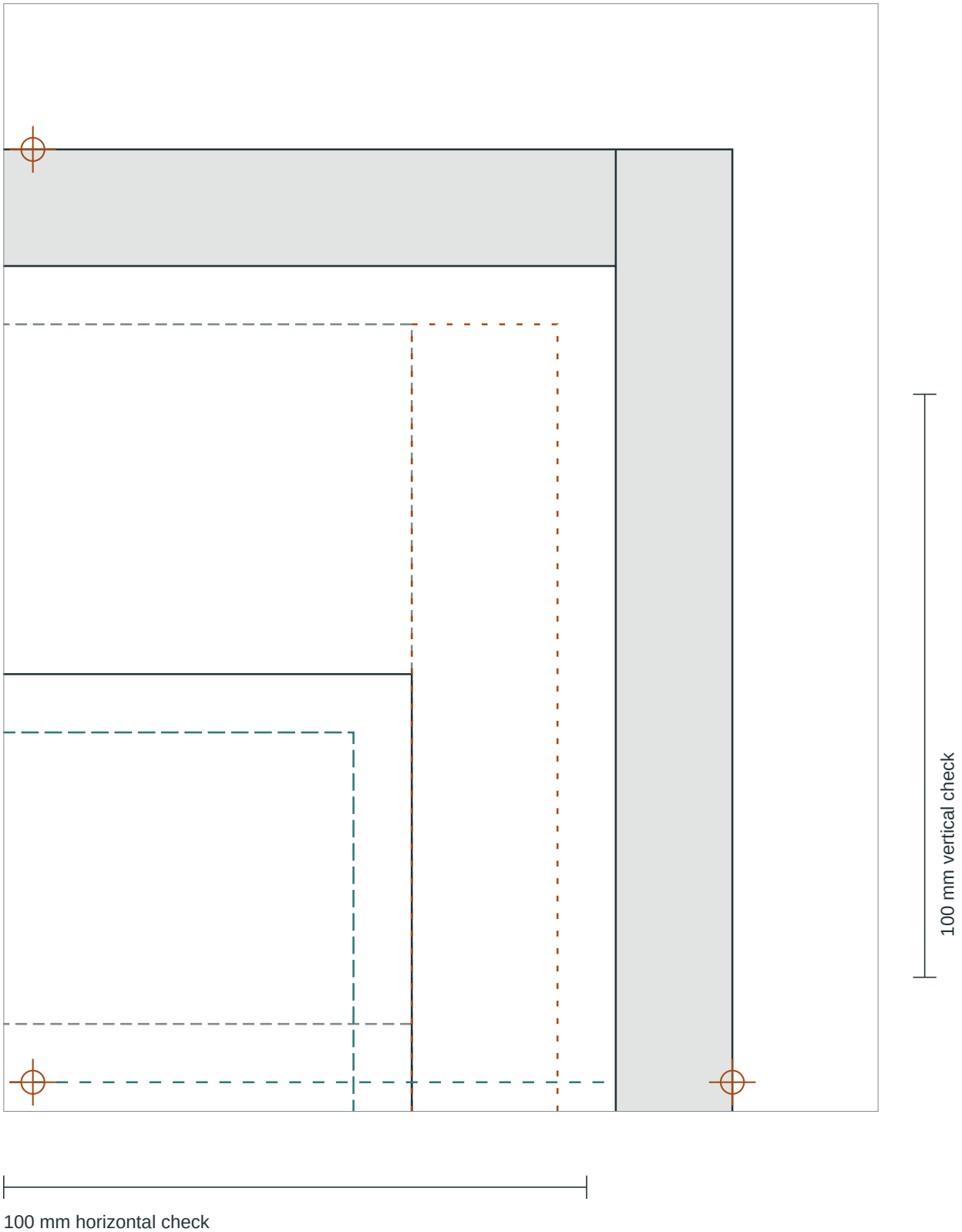
TOP VIEW / FULL SIZE / 10 mm tile overlap



Solid: centred plate. Grey dashes: extremes. Teal: working area / nozzle line.
Orange: side cable envelope and registration crosses. Front is down.

Rear right tile

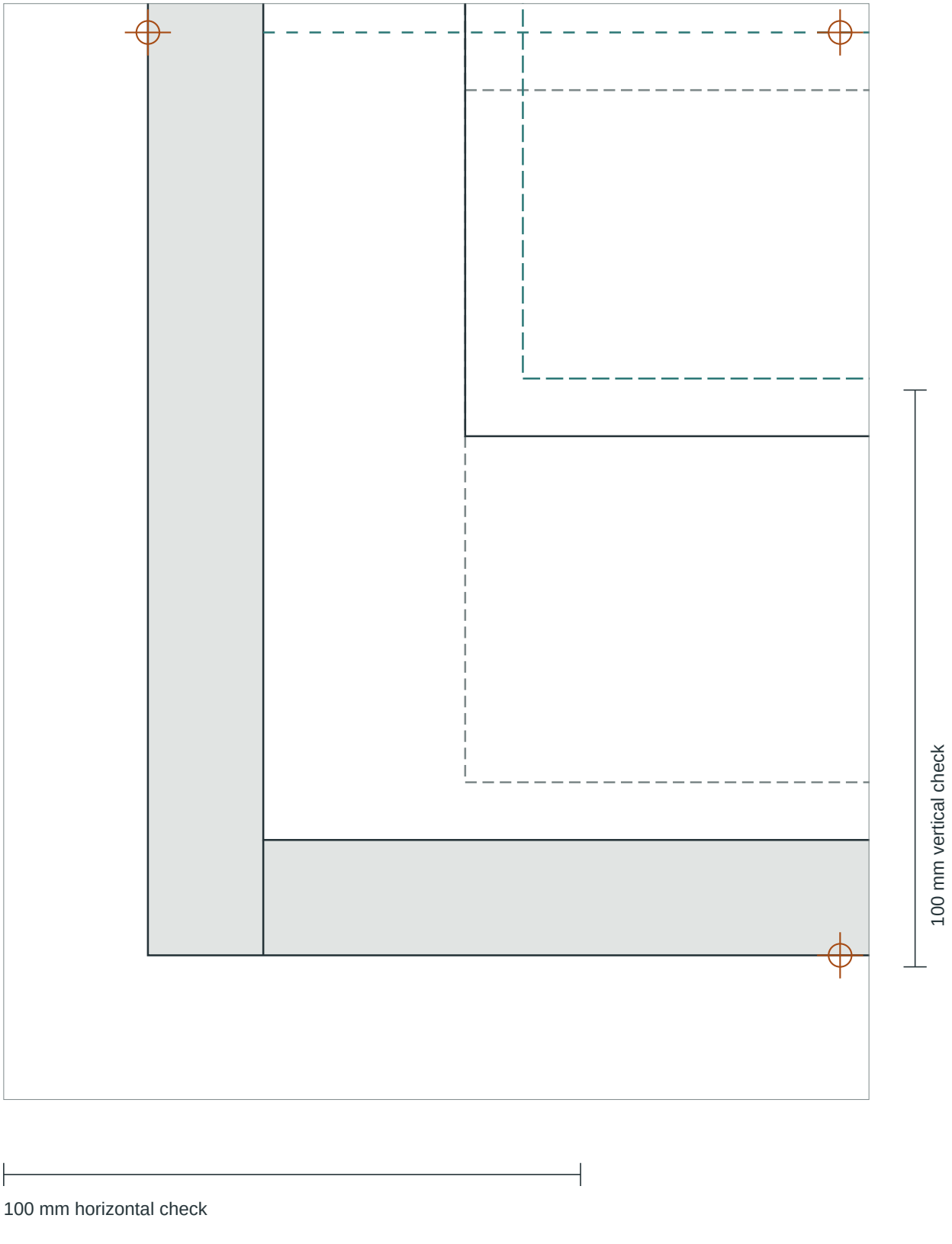
TOP VIEW / FULL SIZE / 10 mm tile overlap



Solid: centred plate. Grey dashes: extremes. Teal: working area / nozzle line.
Orange: side cable envelope and registration crosses. Front is down.

Front left tile

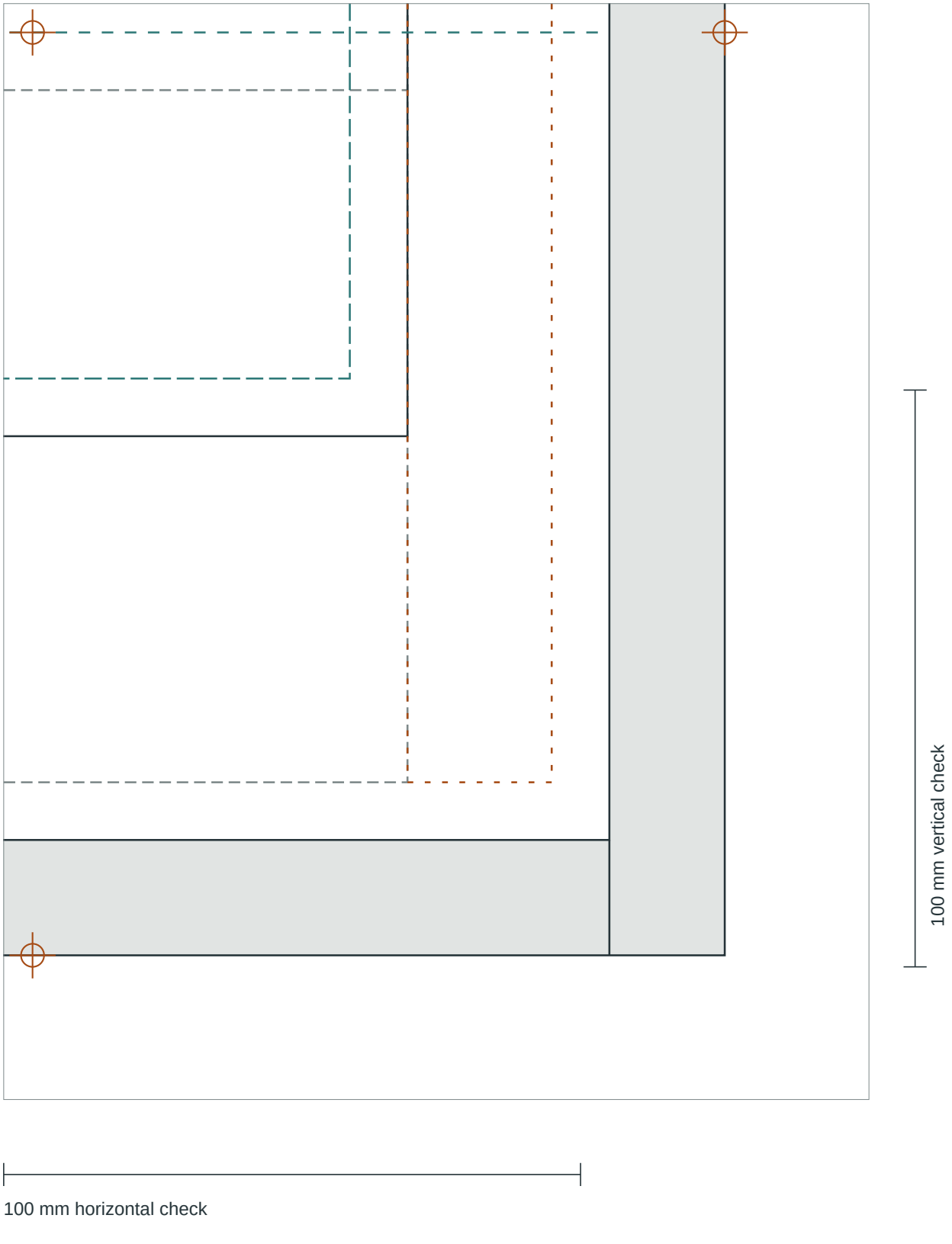
TOP VIEW / FULL SIZE / 10 mm tile overlap



Solid: centred plate. Grey dashes: extremes. Teal: working area / nozzle line.
Orange: side cable envelope and registration crosses. Front is down.

Front right tile

TOP VIEW / FULL SIZE / 10 mm tile overlap



Solid: centred plate. Grey dashes: extremes. Teal: working area / nozzle line.
Orange: side cable envelope and registration crosses. Front is down.

Height and stock schedule

Worked elevation heights above the bench

0 mm	Bench datum
20 mm	Base top / post seat
40 mm	Bed surface
140 mm	Nozzle at top layer
205 mm	Highest moving point
215 mm	Cap underside / top of posts
235 mm	Cap top

Provisional finished members

2 x 320 mm	full-depth base sides
2 x 200 mm	crossmembers between sides
2 x 195 mm	posts from base top to cap underside
1 x 240 mm	cap laid across both posts

Two illustrative 1,000 mm stocks

Bar A: 320 + 320 + 200 = 840 mm of finished pieces.

Preparation 5 + three 2 mm separation cuts = 11 mm. Left: 149 mm.

Bar B: 240 + 200 + 195 + 195 = 830 mm of finished pieces.

Preparation 5 + four 2 mm separation cuts = 13 mm. Left: 157 mm.

Mark on the bench before releasing the list

Actual profile width / prepared stock lengths: _____

Measured kerf / end preparation: _____

Cable and connector at both extremes: _____

Joint type, post seats, belt lanes and tool access: _____