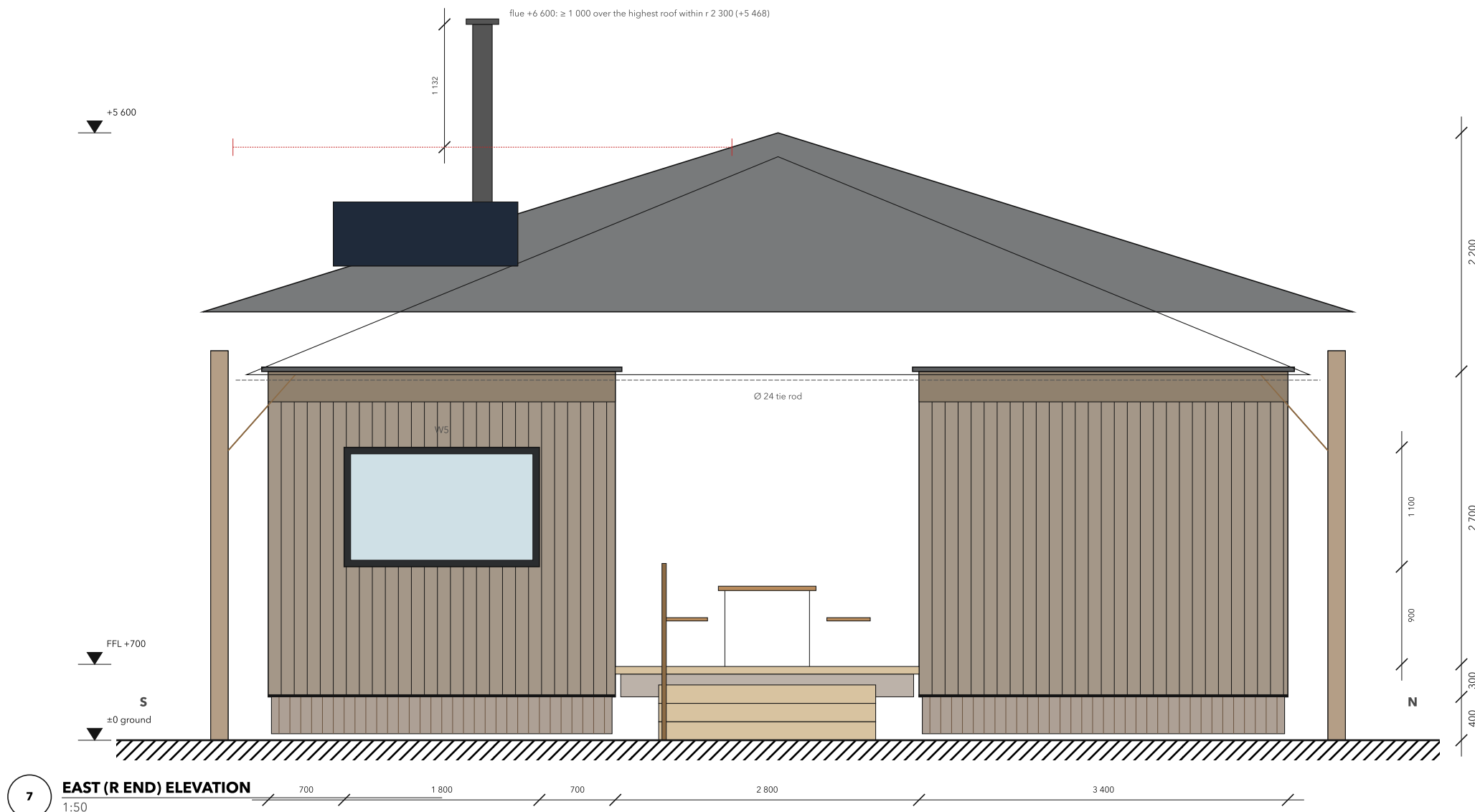
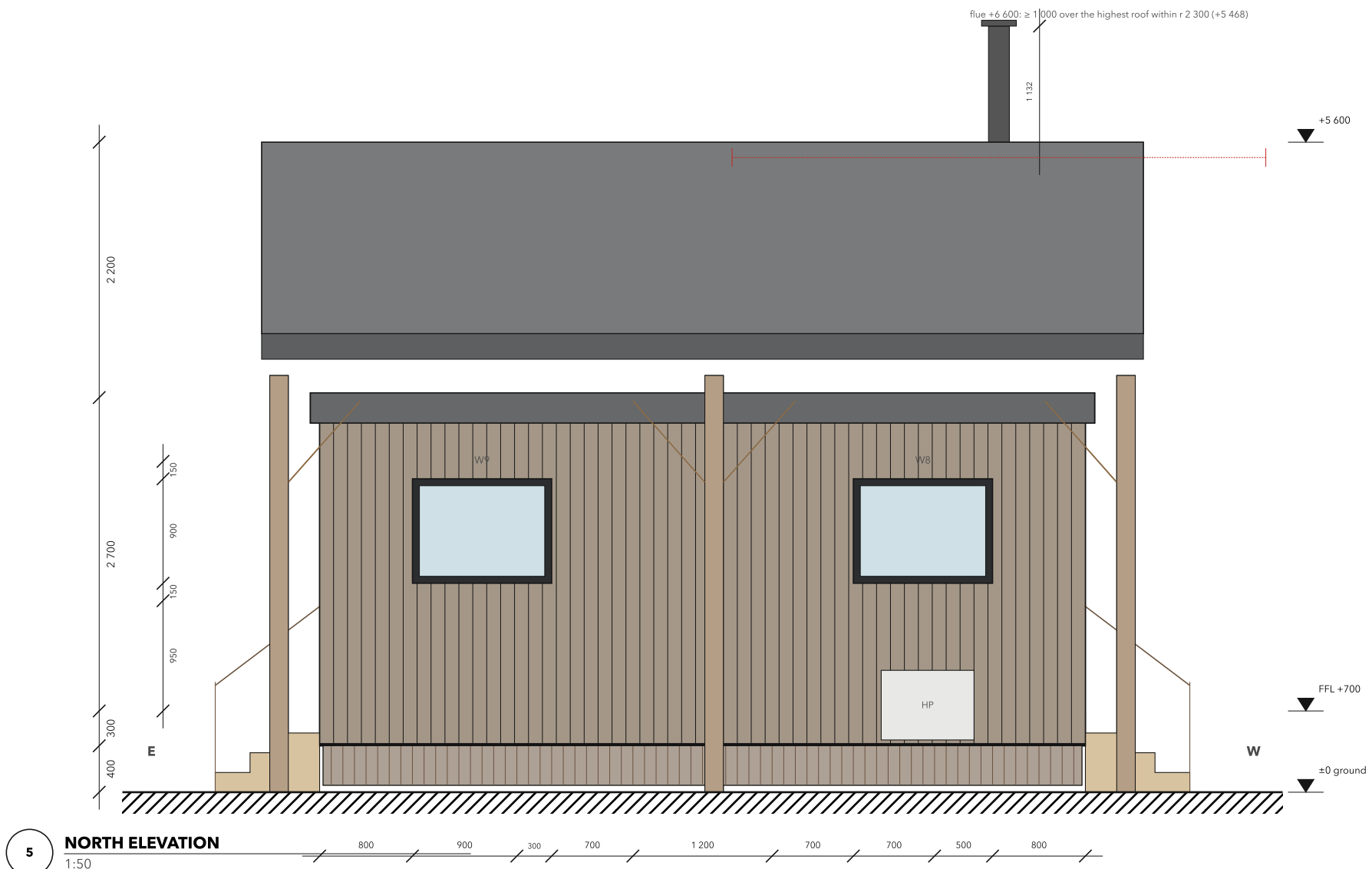
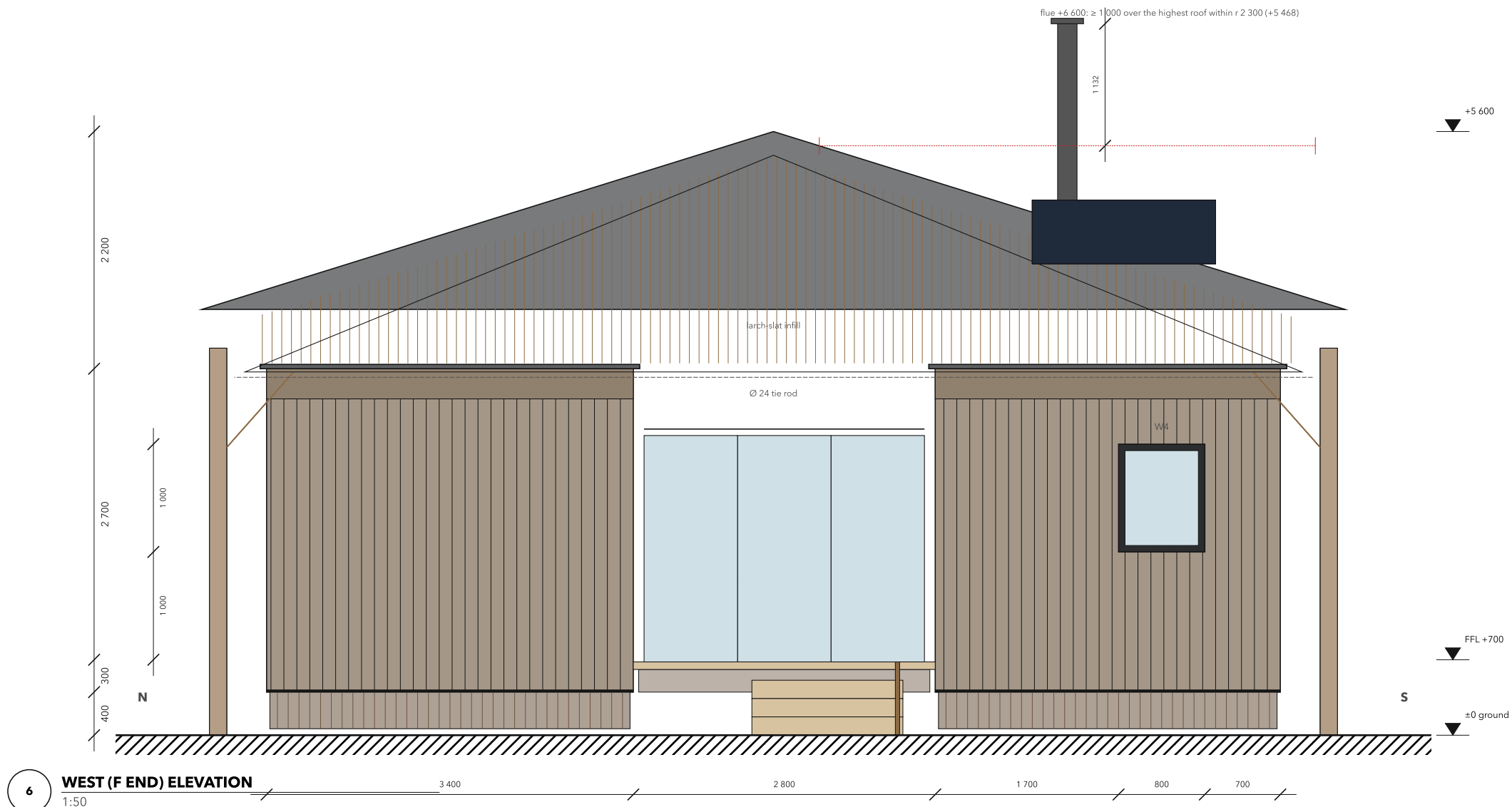
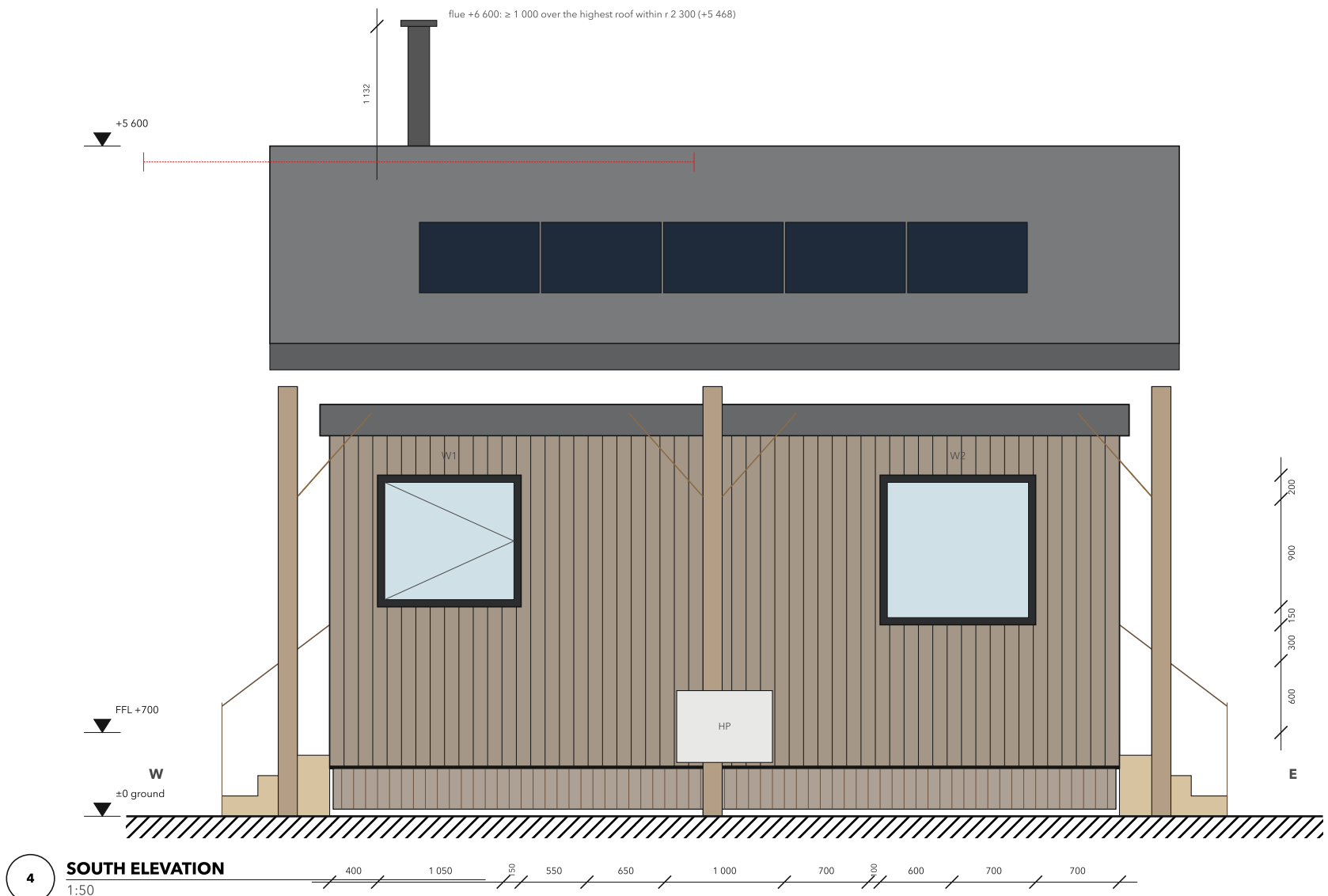




CONSTRUCTION, SERVICES, FIRE

- Wall 220** 18 untreated larch on 28 vented battens / 18 wood-fibre sheathing, taped (wind-tight) / 145 C24 studs at 600 with PIR (λ 0.022) between / vapour-variable membrane, taped (airtight) / 12 birch ply, Rc = 4.8 m²/K/W (15 % timber)
- Floor 300** 15 oiled oak / 25 wood-fibre impact board / 22 ply / 220 C24 joists with PIR between, hung off two GL24 140 × 280 edge beams under the long walls, which bear on the screw-pile heads / 18 breather board, Rc = 5.0, crawl space 400, closed by a larch skirt with insect mesh and vents
- Roof 300** EPDM on 18 ply on tapered firings (fall 1:60 to two outlets + overflows) / 220 joists with PIR / vapour-variable membrane lapped onto the wall membrane / 12 ply, Rc = 6.5
- Shared gable** corrugated zinc on 45 × 195 purlins at 900 on 3 glulam portals (GL24 140 × 360 rafters on 2 × 90 × 360 eave beams, Ø 24 steel tie rod at eave level per portal, 160 posts, knee braces both ways, steel ridge plate), upR-rated screw piles; 400 clear over each box parapet as a ventilated parasol; half-round gutters both eaves, downpipes at the 4 corner posts to rain barrels
- Breezeway** 28 larch deck on 45 × 145 joists on its own piles; glazed sliding screens on the W end (3 × 870 on a 2 600 opening, double track; the middle panel opens to the W steps, all three park against the night box), larch-slat infill above them to the gable; fire bowl on gravel 4 m east

Two boxes

Services

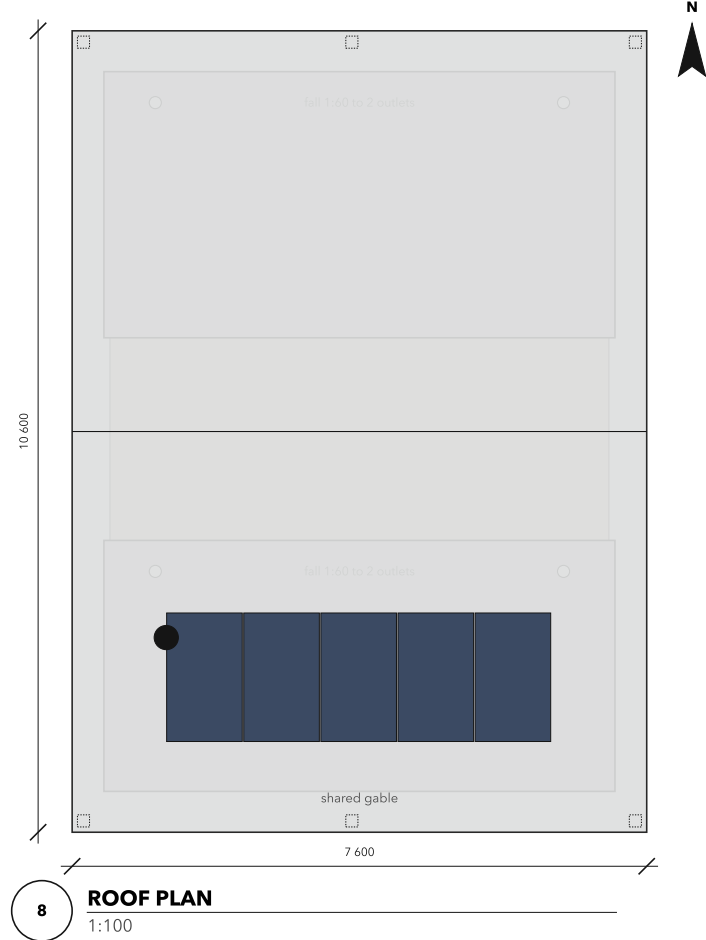
Fire

Installation

each box has its own MVHR and 2.5 kW air-to-air head; one meter and consumer unit in the day box, services cross under the deck in a ducted, insulated trench all electric; 230 V / 25 A pitch hook-up; one air-to-air heat pump per box (2) (2.5 kW, seasonal SCOP 3.5; outdoor unit on a pile-mounted bracket behind a larch louvre, on the outer wall behind the indoor head - see the services diagram); one MVHR per box (90 % recovery, 150 m³/h) in the bath ceiling; 60 L heat-pump water heater wall-hung over the WC frame in the bath (air from the bath extract); recirculating cooker hood with MVHR extract 1.5 m from the hob; 2.0 kWp PV + 3 kW inverter, water and sewage to the campsite mains in trace-heated pipes

wood stove 3.5 kW nominal (2-4.5 kW, DINplus), outside-air kit; twin-wall insulated flue Ø 150 terminating 1 000 above any roof surface within 2.3 m (and ≥ 1 000 above the own ridge; stayed above 1.5 m free length), dimensioned on the elevations; 300 side and 500 front clearance to combustibles, non-combustible hearth 500 in front; 30 CA5 heat shield on timber within 450; smoke + CO alarm in every room except the bath (heat detector there); extinguisher and fire blanket at the door

craned in one lift per module with a 4-point spreader onto pre-set screw piles (Ø 76, 1.5-2.5 m, set to ± 5 mm); edge beams bolted to the pile heads; porch, roof extensions and posts follow as a pre-cut kit in one day

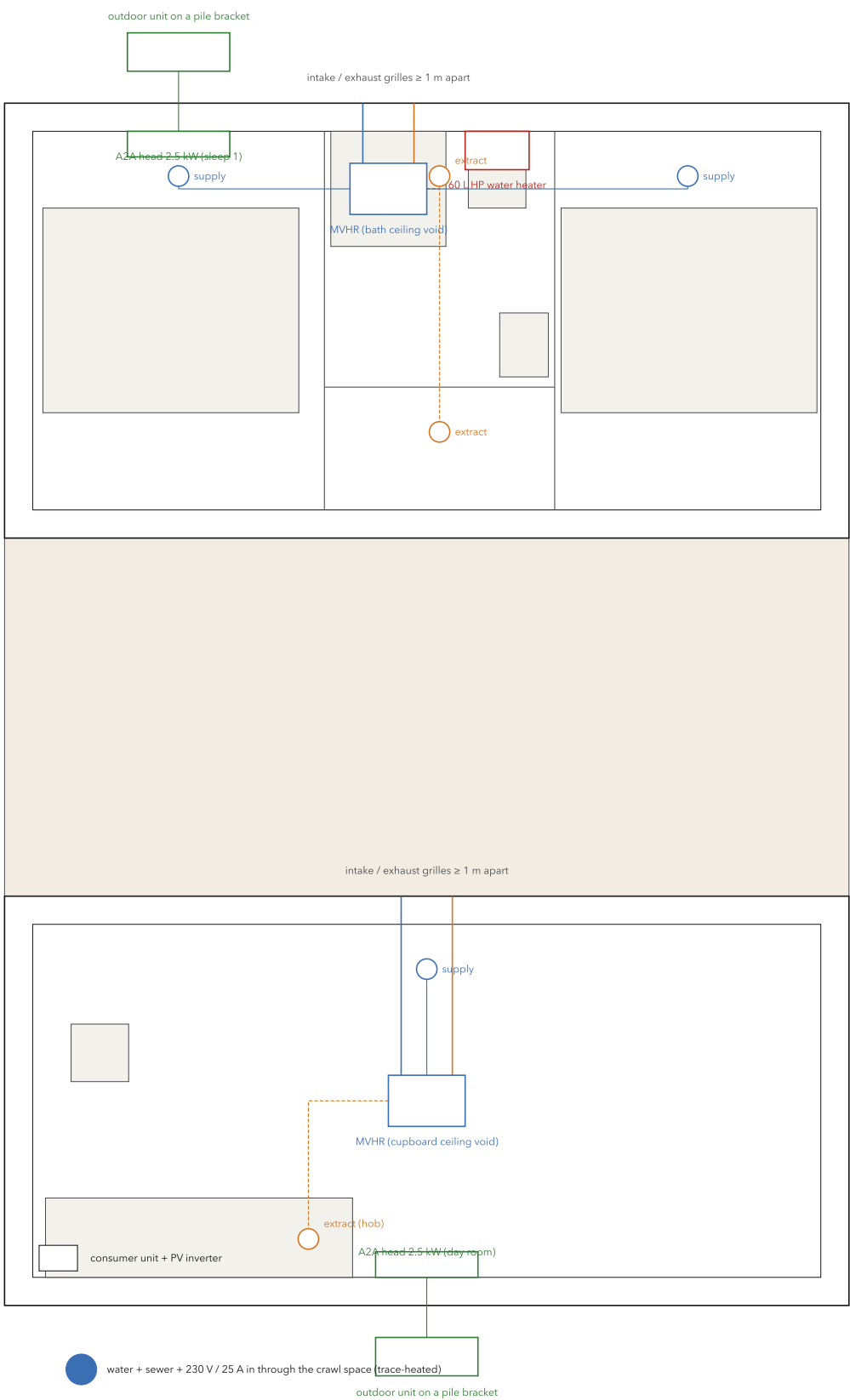


OPENING SCHEDULE

ID	Type	Wall	W × H	SH	Note	Sur
W1	tilt-turn window	S (box 1)	1 200 × 1 100	1 050	-	ext. blind
W2	fixed pane	S (box 1)	1 300 × 1 250	900	-	ext. blind
D1	glazed door	N (box 1)	1 000 × 2 150	0	clear 880	porch roof
W3	fixed pane	N (box 1)	1 400 × 1 200	950	-	porch roof
W4	fixed pane	F and (box 1)	800 × 1 000	1 000	-	ext. blind
W5	fixed pane	R end (box 1)	1 800 × 1 100	900	-	ext. blind
D2	glazed door	S (box 2)	1 000 × 2 150	0	clear 880	porch roof
W6	tilt-turn window	S (box 2)	700 × 1 350	600	escape	porch roof
W7	tilt-turn window	S (box 2)	700 × 1 350	600	escape	porch roof
W8	fixed pane	N (box 2)	1 200 × 900	1 100	-	-
W9	fixed pane	N (box 2)	1 200 × 900	1 100	-	-

MATERIALS

- Larch boxes
- Larch breezeway deck
- Corrugated zinc site roof
- Oak joinery



SERVICES: VENTILATION, HEAT, WATER, POWER

1:50

HAVAAN

Trekkeershutten - static cabins on screw piles - design series 2026

Drawing Elevations, roof plan, openings, construction
Scale 1:50, roof plan 1:100 at A1, dimensions in mm
Date 2026-10-25
Status Concept design, rev. 3 - not for construction

Sheet

22/32

CAD: build1234 + mapl046, one spec (cad/hut)

HT-06

Tweeling

