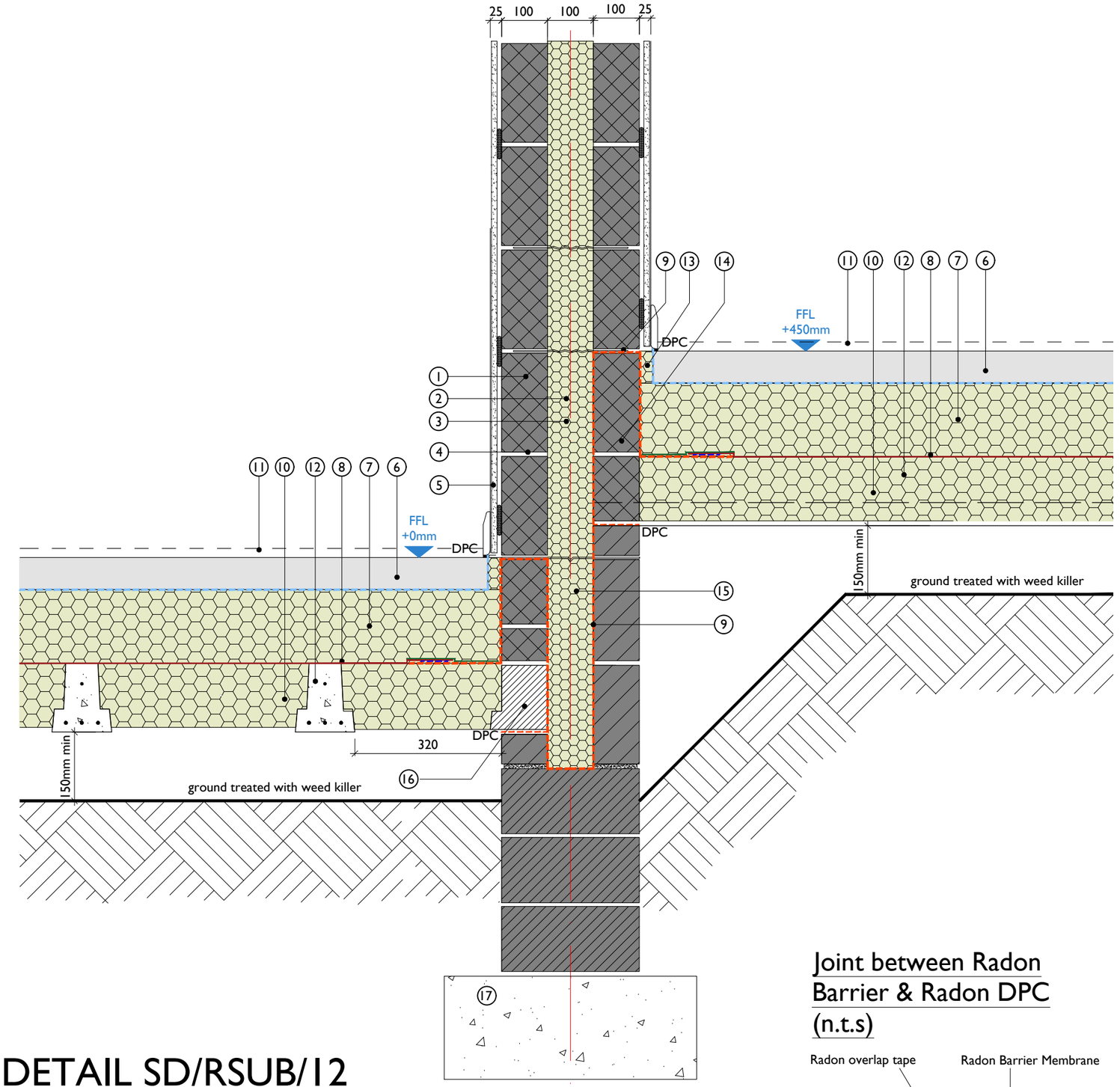
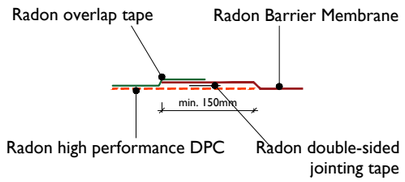


DETAIL SD/RSUB/12

RADON PROTECTION DETAIL FOR STEPPED JETFLOOR SYSTEM AT PARTY WALL

1:10

Joint between Radon Barrier & Radon DPC (n.t.s)



Details Legend

E-WM-28 MASONRY - LIGHTWEIGHT AGGREGATE BLOCKWORK
Knauf Supafil Party Wall Wool 100mm (min) cavity - (gypsum-based board)

1. 100mm Lightweight aggregate blockwork inner leaf (1350-1600kg/m³). Refer to GA plans for compressive strength.
2. Minimum 100mm cavity width
3. Cavity fully filled with Knauf Supafil Party Wall blown glass mineral wool insulation.
4. Ancon Staifix HRT4 Type A wall tie (or similar approved) in accordance with Approved Document E.
5. 12.5mm Gyproc Wallboard (density 8.5kg/m³) taped and jointed on plaster dabs.
6. Concrete screed topping (depth will reflect overlay sheet depth & coursing).
7. Jetfloor overlay sheet or other structural grade flooring insulation board (depth to Regional SAP assessment).
8. Full Radon Protection Barrier Membrane (min. 1600 gauge for basic protection) taped & lapped min. 150mm with Radon Protection High Performance DPC.
9. Radon DPC taken across and down the cavity to surround the party wall insulation as shown (double sided tape used at joints to avoid capillary action).
10. Jetfloor EPS infill poly block to suit position of concrete beams (to manufacturer's design)
11. 20mm floor notional finishes zone (shown as dashed line)
12. *150mm deep Jetfloor pre-stressed concrete beams (Beam ends are to be neatly sealed with Blackjack bitumen paint (or similar performing).
13. 30mm Perimeter insulation upstand (min psi value 0.052 Wm.K).
14. Thermalite or similar spacer block
15. Insulation extended down to top of trench block.
16. Jetfloor psi-block
17. Concrete foundations to engineer's design

NOTES:
All information on this drawing is copyright ©.
All sizes to be verified on site.
No dimensions to be scaled off this drawing.
All dimensions are to structure only unless otherwise stated
All dimensions on this drawing in millimetres unless otherwise stated

Note:

(a) Unless specified otherwise, all proprietary materials are to be installed strictly in accordance with manufacturer's instructions.

REV.	DATE	DESCRIPTION	BY

Wain HOMES

Project Title:
GROUP DESIGN
ASCEND HOUSETYPE
RANGE & SPECIFICATION
TANKING

Drawing Title:
RADON DETAIL FOR PARTY WALL WITH STEPPED JETFLOOR.

Drawing No: SD/RSUB/12

Drawing Status: FOR COMMENT

Scale: 1:10@A3

Revision: ~

Date: Jan 2026

Drawn by: MCK