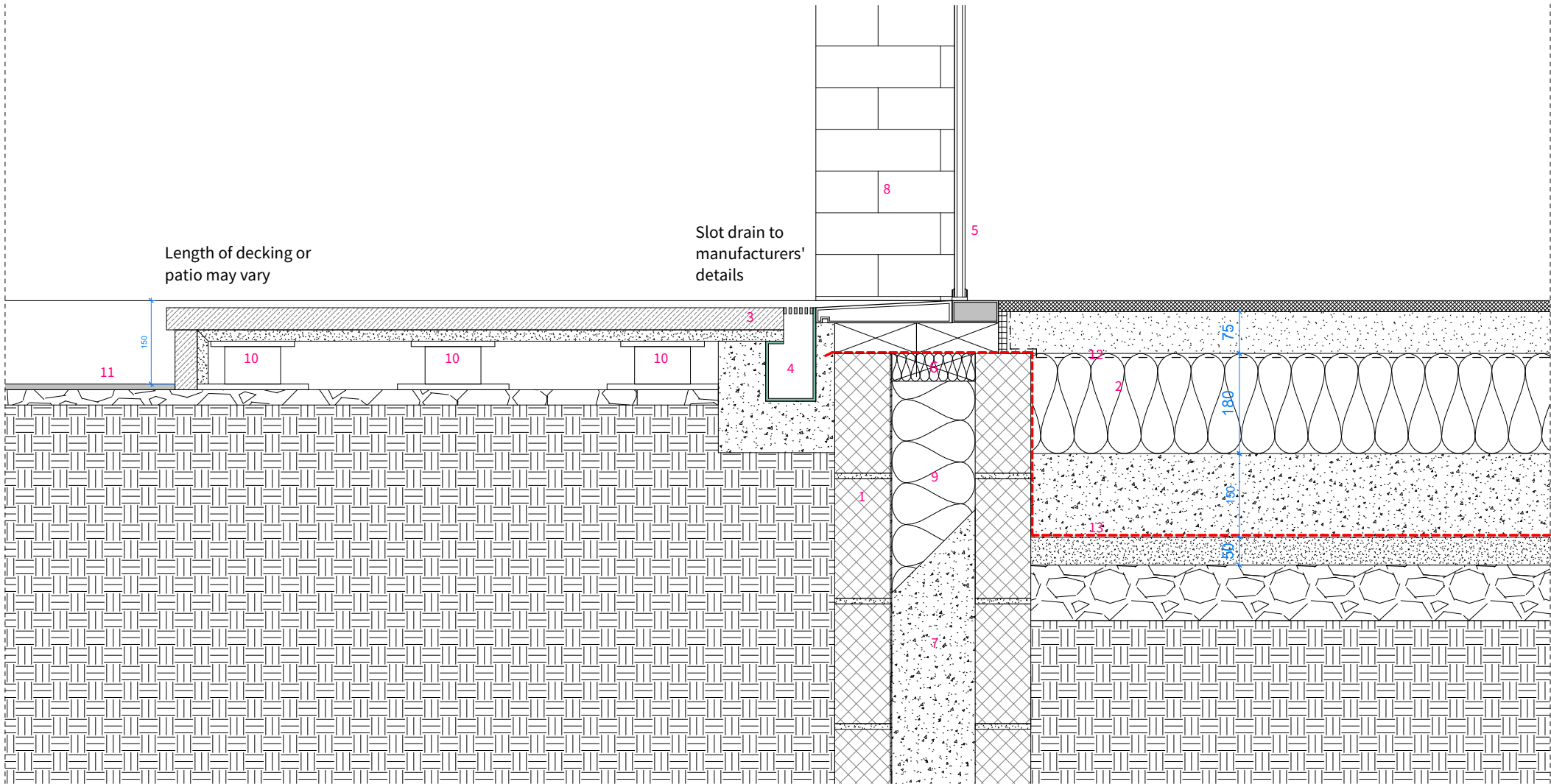


PROPOSED THRESHOLD DETAILS

DESIGNED AS A SOLUTION TO CREATING A LEVEL THRESHOLD & INCLUDE RADON BARRIER



Sliding Door Threshold & Ground Floor Insulated Slab Build-up
1:5 / A1

Key:

1. External insulated block cavity wall build-up
2. Thermal ROCKFLOOR® 180 mm to achive U-Value 0.18 W/m2K or better
3. Porcelain Tiles (Hard landscaping detailed design, build-up and speciation by others)
4. Proprietary slot channel drain on concrete haunching
5. Indicative proprietary external door and threshold system. To be confirmed by door/window manufacturer.
6. Suitable non-deformable insulated cavity closer(s) and perimeter insulation
7. Concrete cavity fill
8. 215mm Deep Block Reveal
9. 150mm Knauf DriTherm Insulation
10. External paving pedestals
11. Existing ground level
12. Vapour Control Layer
13. **Radon/Methane/Carbon Dioxide Stop Membrane (Throughout New Extension) See adjacent note:**

Important Note:

Provide a combined radon, methane and carbon dioxide resistant membrane laid loose over sand blinding above compacted sub-base and beneath floor insulation. The membrane shall be continuous across the entire footprint of the building and sealed to the wall damp proof course / perimeter gas-resistant DPC to maintain continuity of the gas barrier. Product to be 'Visqueen Gas Barrier' Or similar agreed with Building Control.

All membrane laps shall be a minimum of 150 mm and sealed using proprietary gas-tight tapes in strict accordance with the membrane manufacturer's instructions.

Service penetrations shall be sealed using proprietary pre-formed top-hat collars compatible with the membrane system. Site-cut detailing or tape-only sealing to penetrations will not be permitted. The membrane shall have documented third-party test evidence demonstrating resistance to radon, methane and carbon dioxide and shall be certified to BS 8485:2015 + A1:2019 and EN 13967 where acting as a damp proof membrane.

Installation shall be undertaken by competent operatives in accordance with the manufacturer's installation guidance and inspected prior to covering. Any damage to the membrane shall be repaired using compatible patch material and gas-tight tape.

PLANNING

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A	Visqueen Gas Barrier note added.	03/03/26
REV	DESCRIPTION	DATE
CLIENT		House 33 Owners
PROJECT		The Light Room
ADDRESS		33 Burlington Road, M20 4QA
DRAWING TITLE		Proposed Sliding Door Threshold Details
SCALE @ A1	1 : 5	DATE 23/12/25
DRAWING NO.	LP2413_3_500	REV A
material studio architects Tel: 0161 531 6203 / Web: www.materialstudio.co.uk / Address: M1 2WQ		

Note All Details:
* To structural engineer design and specification
** To specialist sub-contractor detailed design & installation
All External walls to achieve **U-value 0.18 W/m2^K (or better)**
to comply with AD L1B.