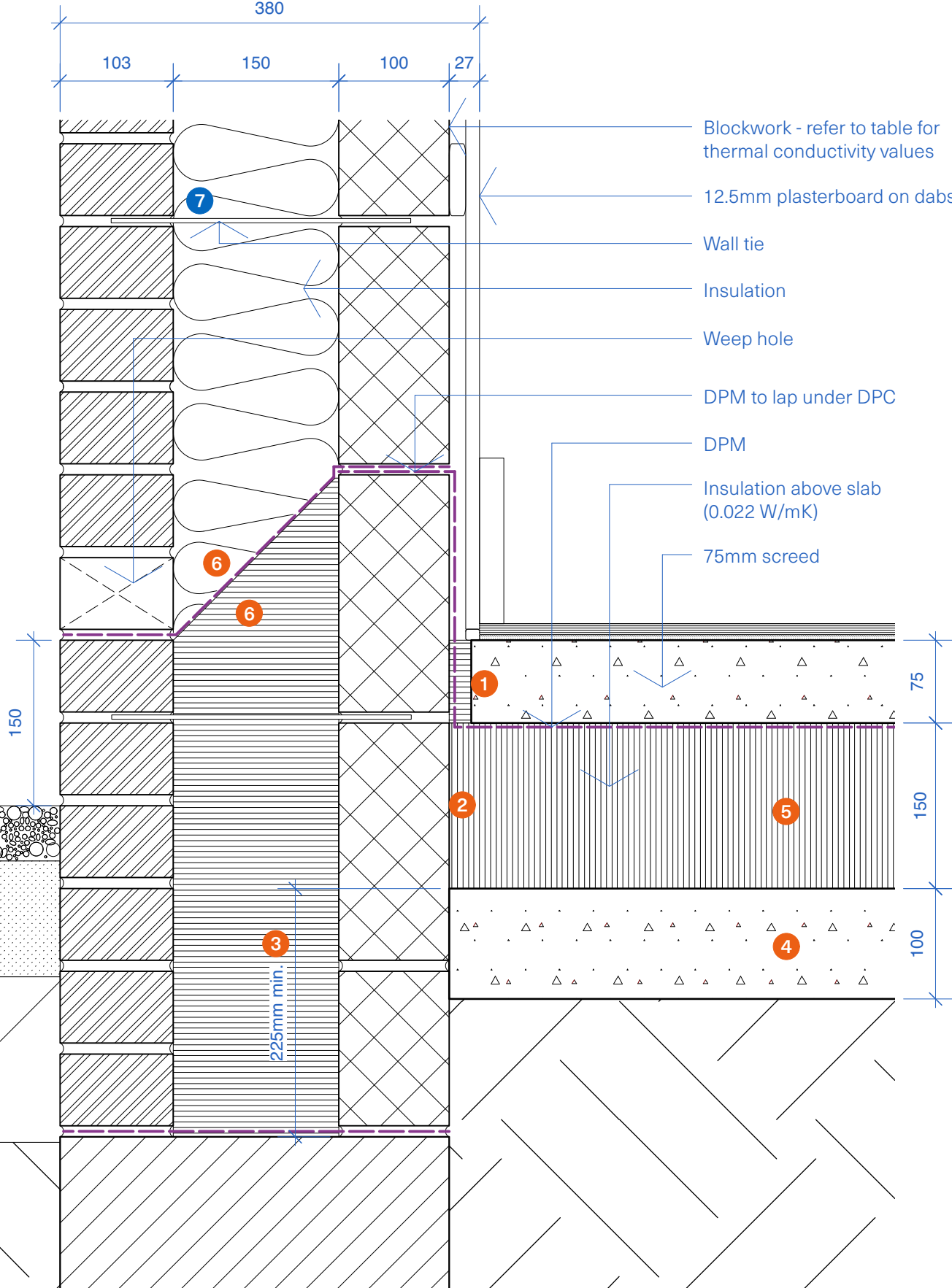


Construction Detail



Calculated Ψ (Psi) value for use in SAP Calculation

		Internal leaf block thermal conductivity (W/mK)					
		0.11	0.15	0.19	0.28	0.6	1.33
Insulation thermal conductivity (W/mK)	0.032	0.041	0.051	0.058	0.062	0.099	0.161
	0.034	0.042	0.051	0.059	0.062	0.099	0.160
	0.037	0.043	0.051	0.059	0.063	0.099	0.160

f-values: 0.900 - 0.952 (values above 0.75 indicate low risk of condensation and mould)

Ψ (Psi) value Thermal Compliance Notes

- 1 Minimum 20mm perimeter insulation with $\lambda \leq 0.022 \text{ W/mK}$.
- 2 Ensure the floor insulation is tightly butted against the external wall.
- 3 Continue full fill rigid cavity insulation at least 225mm below the top of slab. Insulation below DPC to provide thermal resistance equal to or better than main wall insulation.
- 4 100mm Ground bearing slab.
- 5 150mm insulation (0.022W/mK) above slab.
- 6 Ensure insulation is cut and fitted around the angle of the cavity tray.

Construction Notes

- 7 Wall tie: No greater than 450mm vertical spacing.

General Notes

Rigid insulation below DPC to provide structural stability and stop water ingress.