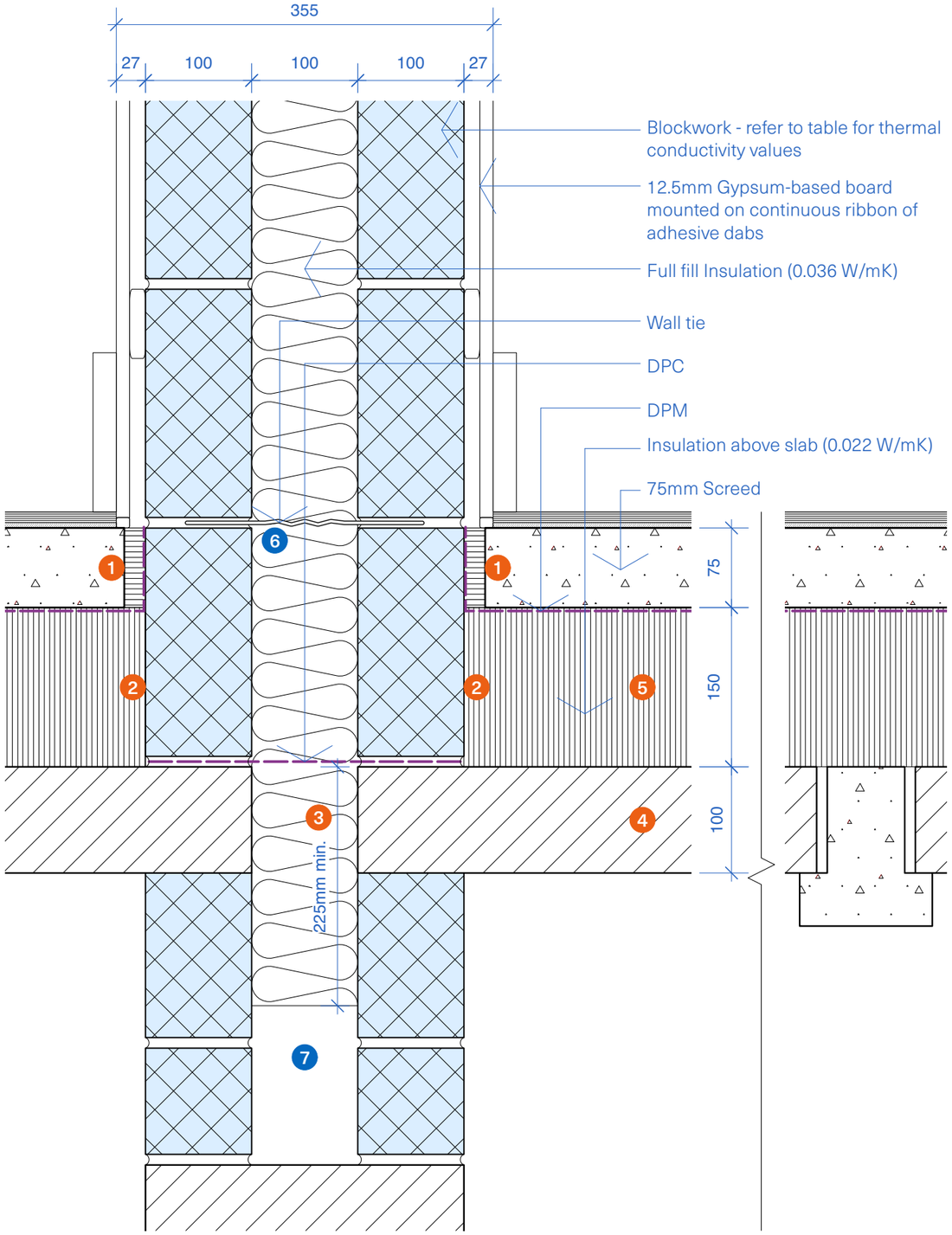
Construction Detail



Calculated Ψ (Psi) value for use in SAP Calculation

	Separating Wall Block Conductivity: W/mK			
Floor Insulation Thermal Conductivity (W/mK)	0.15	0.19	0.6	1.33
0.022	**0.058**	**0.065**	**0.103**	**0.138**

f-values: 0.912 - 0.953 (values above 0.75 indicate low risk of condensation and mould)
The above Psi-values are applicable per dwelling on either side of the party wall.

Ψ (Psi) value Thermal Compliance Notes

1. Minimum 20mm perimeter insulation with λ≤0.022W/mK.
2. Ensure the floor insulation is tightly butted against the separating wall.
3. Continue full fill cavity insulation at least 225mm below the top of the beams. Insulation below DPC to provide thermal resistance equal to or better than main wall insulation.
4. 150mm Beam and Aircrete block infill.
5. 150mm insulation (0.022 W/mK) above slab.

Construction Notes

6. Type A (part E) wall ties at no more than 2.5 ties/m2 (900 x 450mm spacing).
   Wall ties: no greater than 900mm horizontal spacing.
7. Continue the cavity at least 225mm below the underside of the beams.