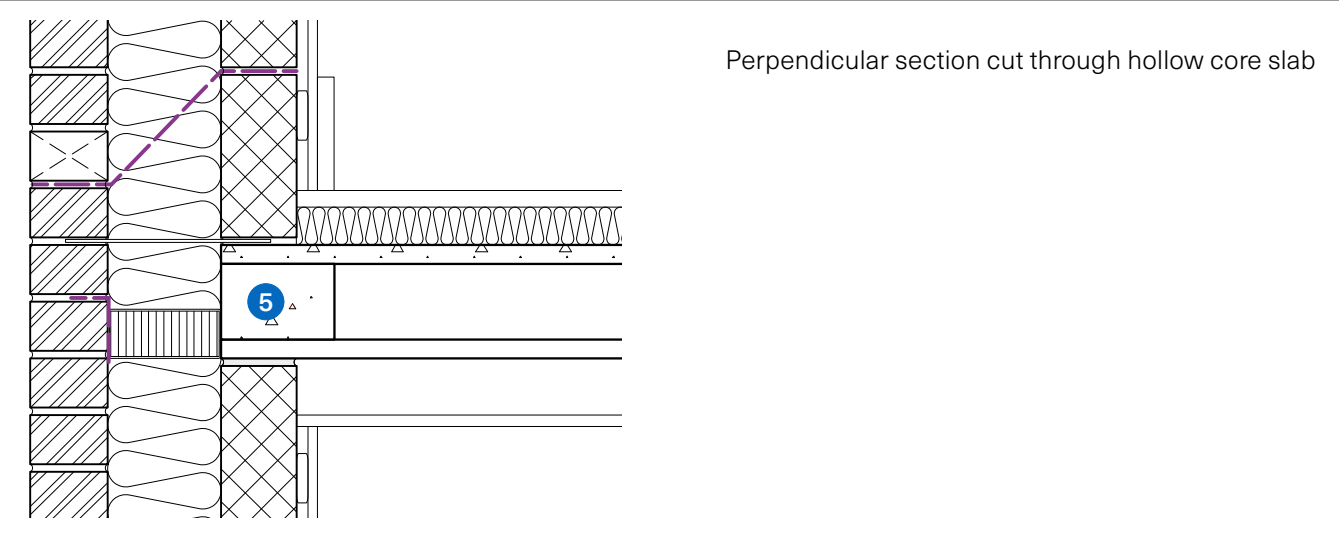
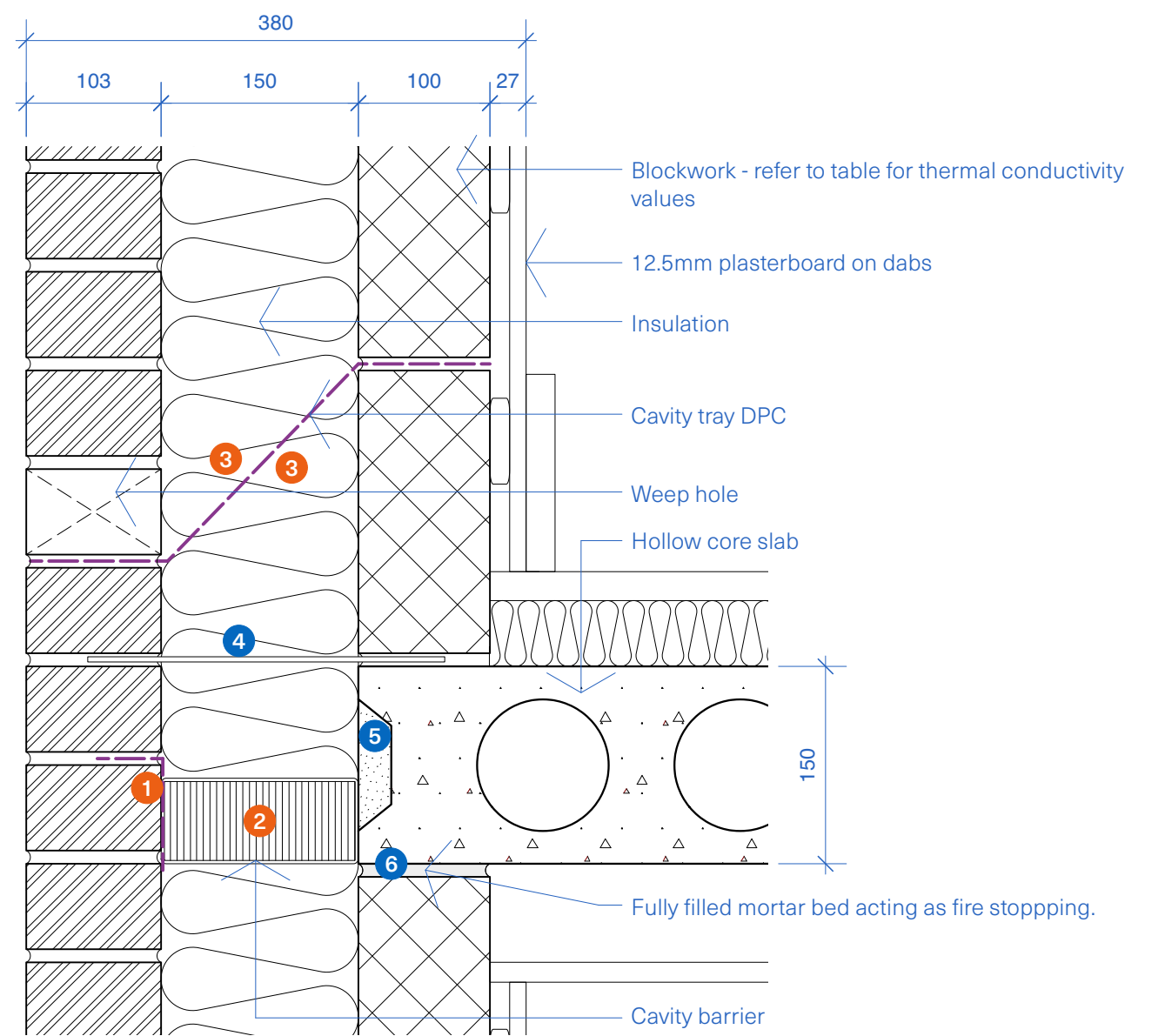


Construction Detail



Calculated Ψ (Psi) value for use in SAP Calculation

		Internal leaf block thermal conductivity (W/mK)					
Insulation thermal conductivity (W/mK)		0.11	0.15	0.19	0.28	0.6	1.33
0.032		0.036	0.036	0.037	0.037	0.037	0.038
0.034		0.037	0.037	0.038	0.038	0.038	0.039
0.037		0.038	0.039	0.039	0.040	0.040	0.040

f-values: 0.965 - 0.979 (values above 0.75 indicate low risk of condensation and mould)

Ψ (Psi) value Thermal Compliance Notes

- 1 Dependent of the type of cavity barrier used, a DPC may need to be provided to prevent the barrier absorbing moisture.
- 2 Horizontal/vertical cavity barriers need to be fixed in accordance with manufacturers guidelines. If fixing spikes are used, they should be installed at the required centres. For compression fit cavity barriers, use the correct size for a compressive fit in the cavity.
- 3 Ensure insulation is fitted around the angle of the cavity tray.

Construction Notes

- 4 Wall tie: No greater than 450mm vertical spacing.
- 5 For the cavity barrier to be installed, the hollowcore slab rebate needs to be filled-in post slab installation to ensure that a cavity barrier can continuously fix to the edge of the slab. Ensure that any holes in the hollowcore slab, exposed in the cavity, are filled-in post slab installation to maintain an enclosed cavity to stop the spread of fire and smoke.
- 6 Use fire-stopping and sealing system that is appropriate to the particular material. Refer to ADBv1 Section 9. Ensure the inner-leaf top mortar joint under the floor slab is a fully filled mortar joint to act as a fire stop.

General Notes

Following guidance of ADBv1 paragraph 5.18, this cavity barrier isn't required, however many warranty providers such as LABC, NHBC and Premier do require a cavity barrier in this location.

Maintain clear separation of components to prevent congestion within the cavity and mortar joints.