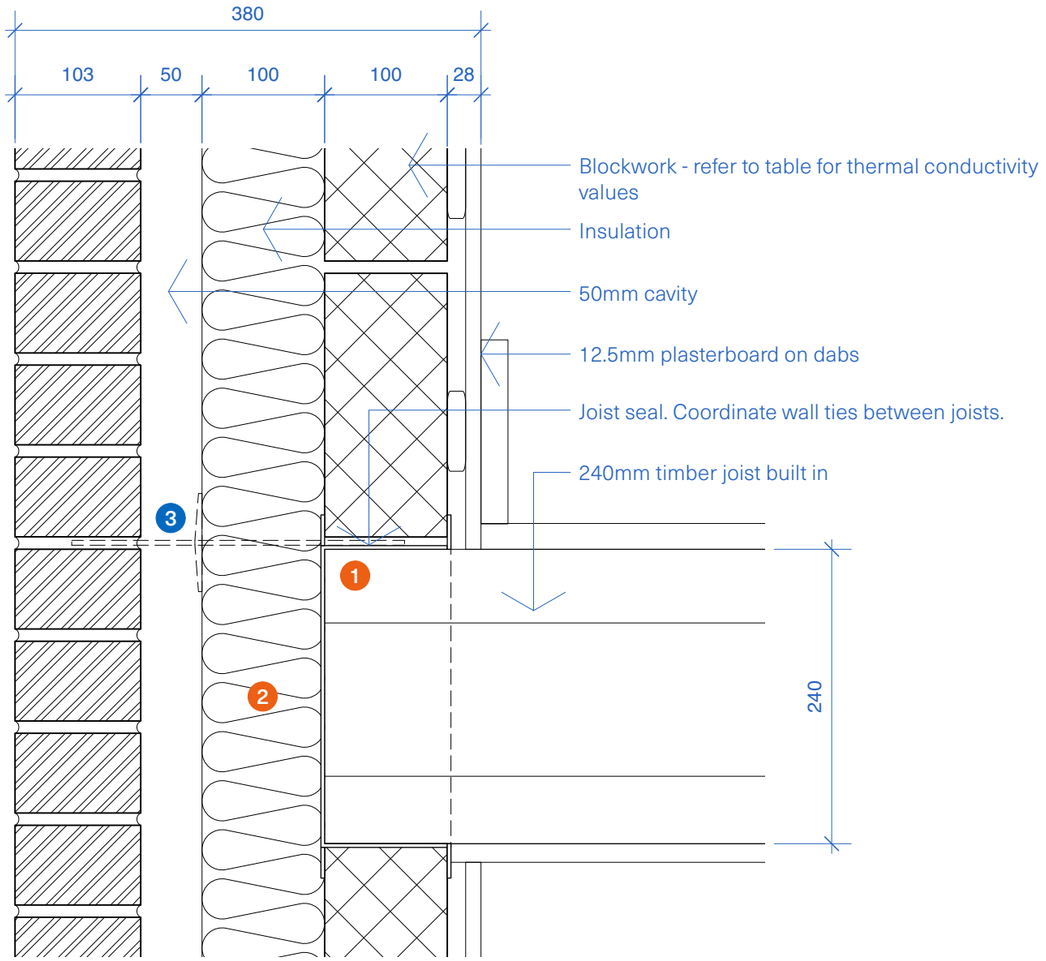
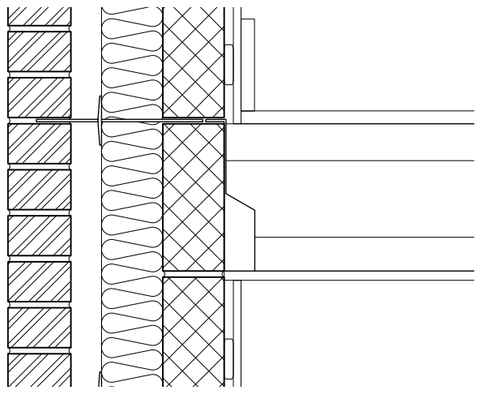
Construction Detail





Joist hanger option

A joist hanger can be applied at this junction rather than building the timber joist into the wall. This does not affect the modelled Psi-values.

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
0.019	0.001	0.001	0.001	0.001	0.001	0.001
0.022	0.000	0.000	0.001	0.001	0.001	0.002

f-values: 0.972 - 0.985 (values above 0.75 indicate low risk of condensation and mould)

Ψ (Psi) value Thermal Compliance Notes

1. Joist seal to the end of the timber joist, built into the internal leaf blockwork. Airtightness seal.
2. Insulation to be continuous across floor abutment zone.

Construction Notes

3. Wall tie: No greater than 450mm vertical spacing.
Only use insulation retaining clips that are compatible with the wall tie.

General Notes

You can alternatively build this detail with a joist hanger rather than building the timber joist into the blockwork.

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