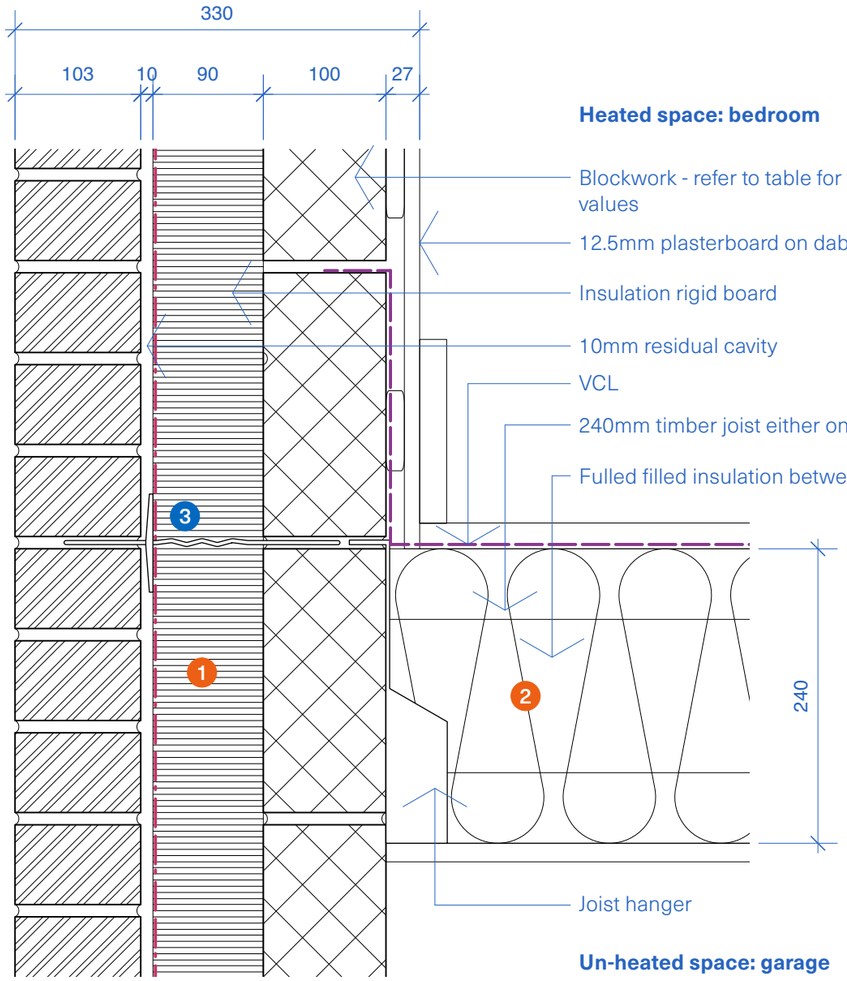
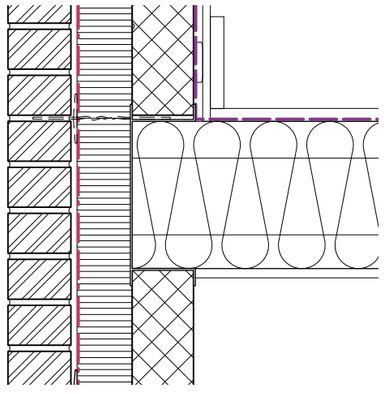
Construction Detail





Joist built-in option

The timber joist can be built-in at this junction rather than a joist hanger.
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	0.037	0.045	0.052	0.068	0.115	0.200
0.022	0.038	0.045	0.053	0.068	0.115	0.198

f-values: 0.836 - 0.905 (values above 0.75 indicate low risk of condensation and mould)

Ψ (Psi) value Thermal Compliance Notes

1. Insulation to be continuous across the floor abutment zone.
2. Timber joist fully filled with minimum 240mm mineral wool between joists over garage, maximum λ≤0.044W/mK.

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

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