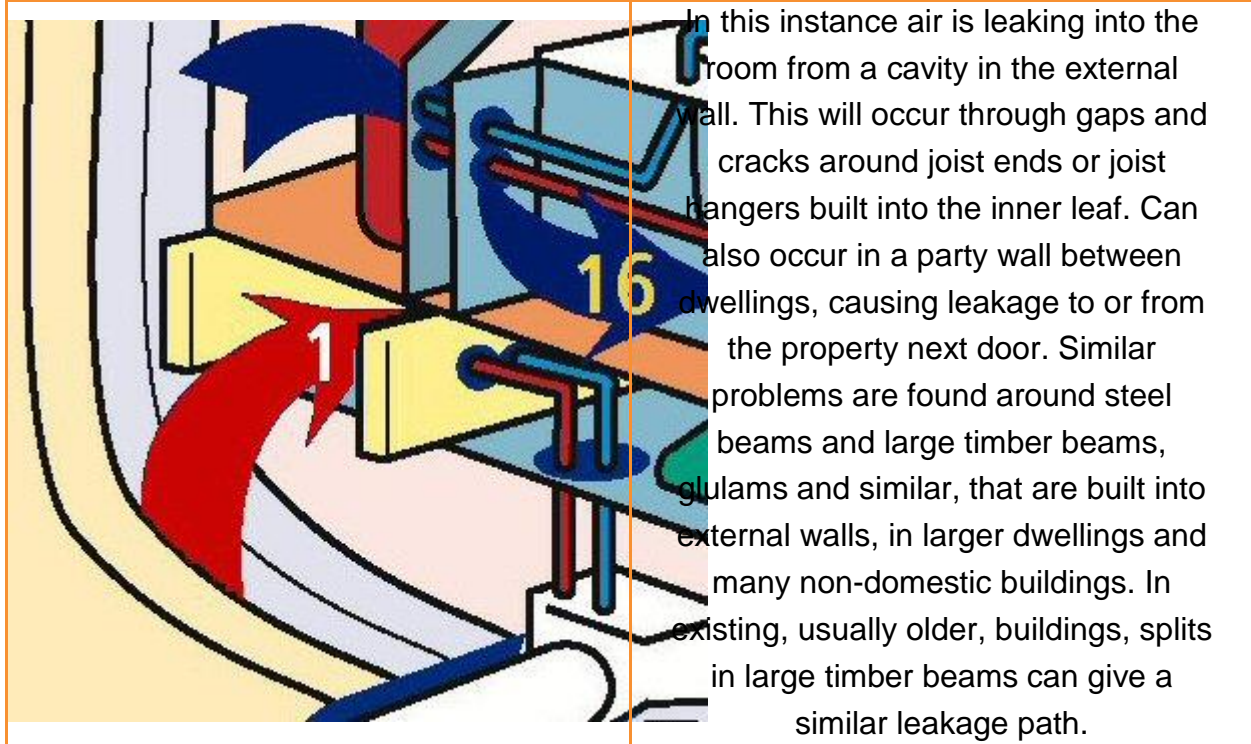


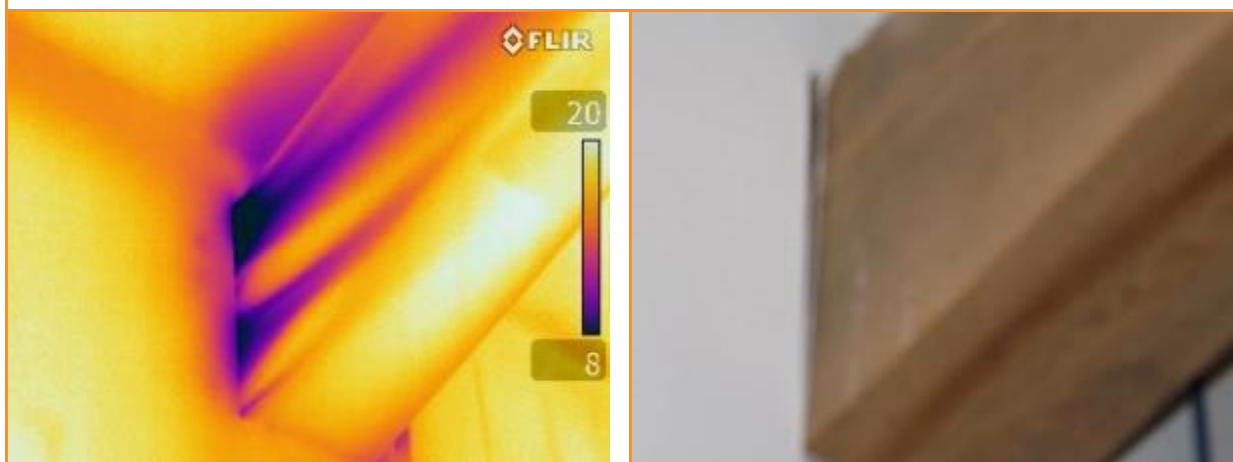


## Common Leakage Sites no.1

**Around the ends of floor joists built into the external wall, and to a lesser extent around joist hangers.**



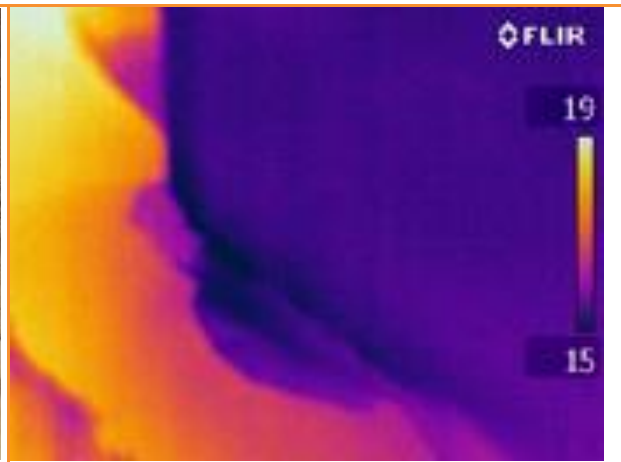
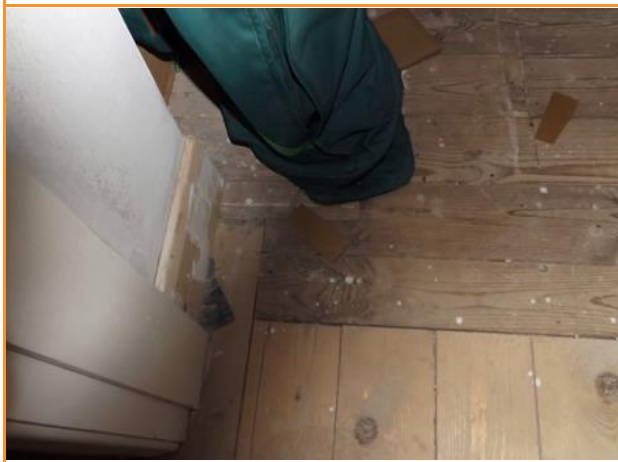
**Building Fabric Leakage 1:- Around the ends of floor joists or hangers**



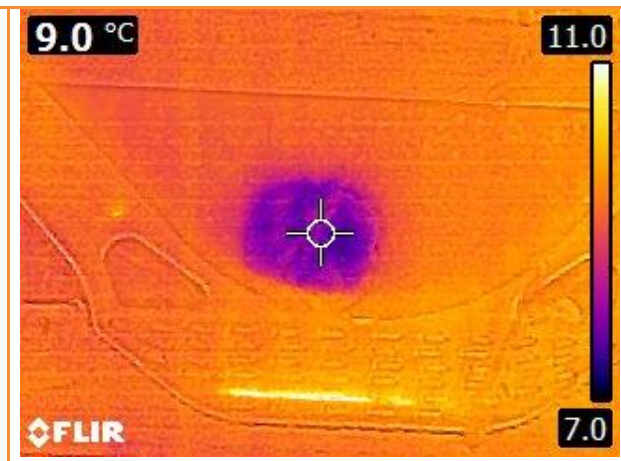
**1.01: Internal thermographic image whilst dwelling is depressurised showing leakage where timber frame penetrates plasterboard wall.**



**1.02: External thermographic image whilst house is pressurised showing leakage along brick detail at intermediate floor level.**



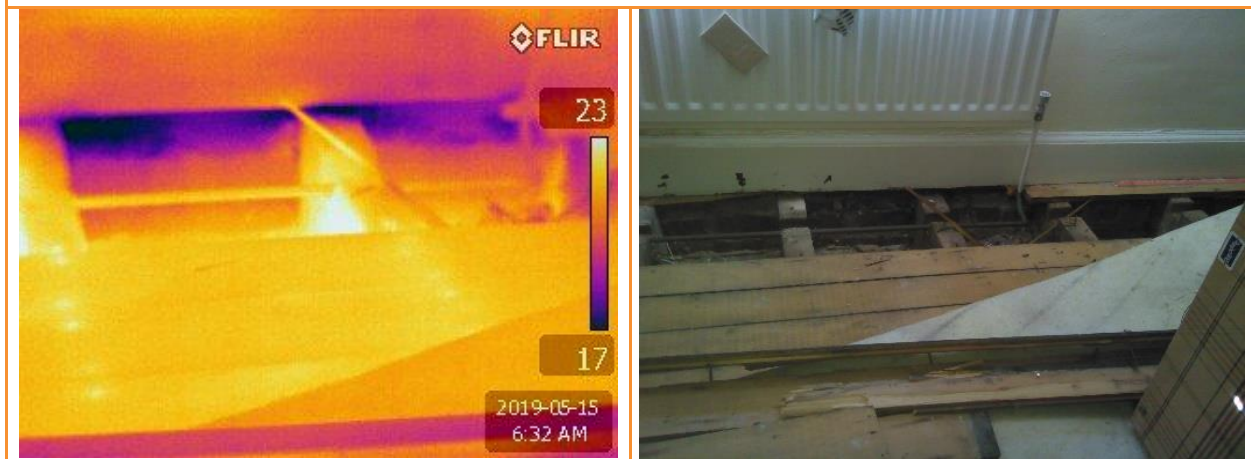
**1.03: Internal thermographic image showing extensive leakage at side of opening where floorboards meet cavity wall**



**1.04: Internal thermographic image whilst house depressurised, showing substantial leakage where hole-saw cut-out had not been refitted in airtight OSB after installation of blown cellulose insulation**



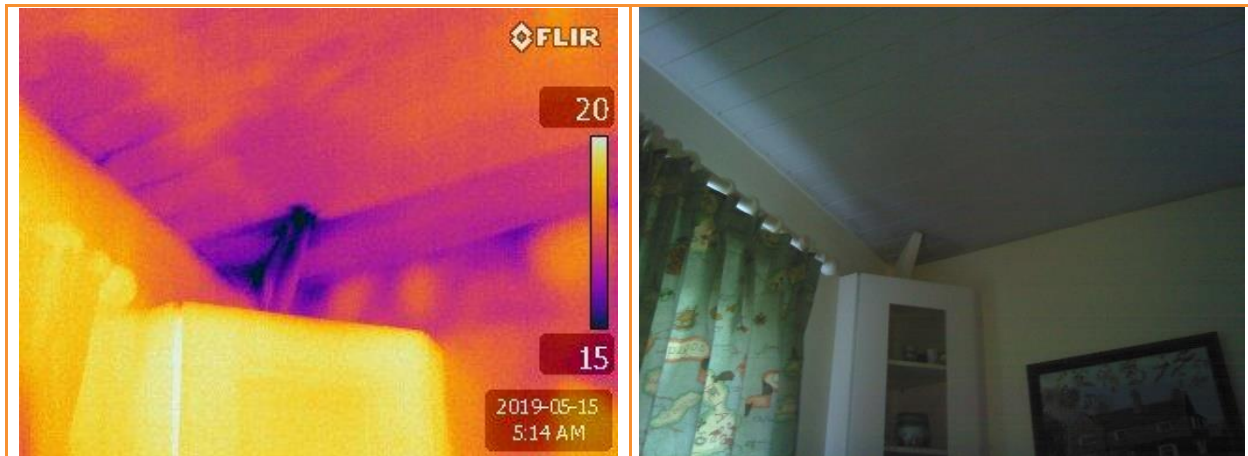
**1.05: Internal thermographic image with house depressurised, showing substantial leakage around perimeter of intermediate floor where floorboards lifted in bedroom to side of house**



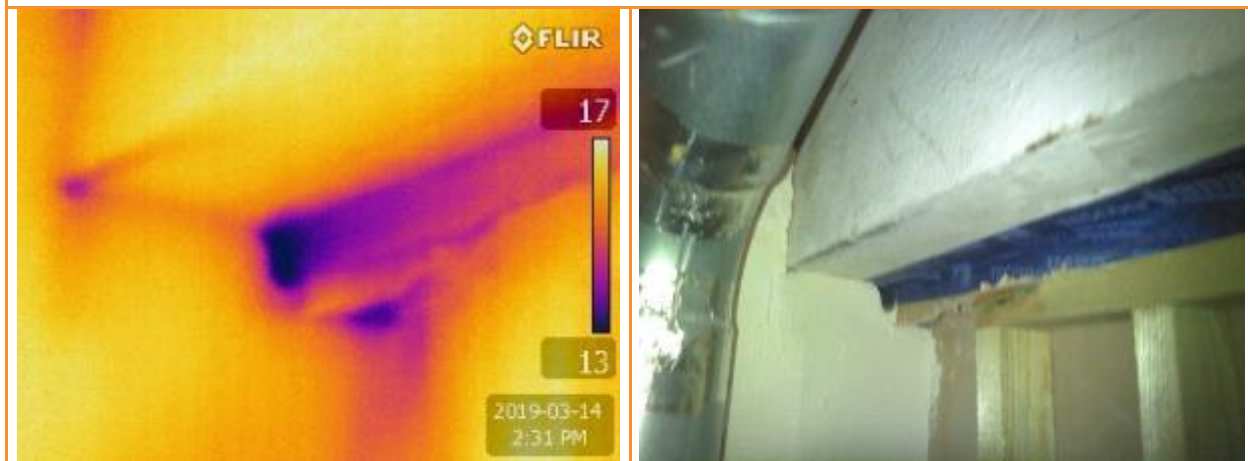
**1.06: Internal thermographic image with house depressurised, showing substantial leakage down behind skirting board around perimeter of intermediate floor where floorboards lifted in same bedroom**



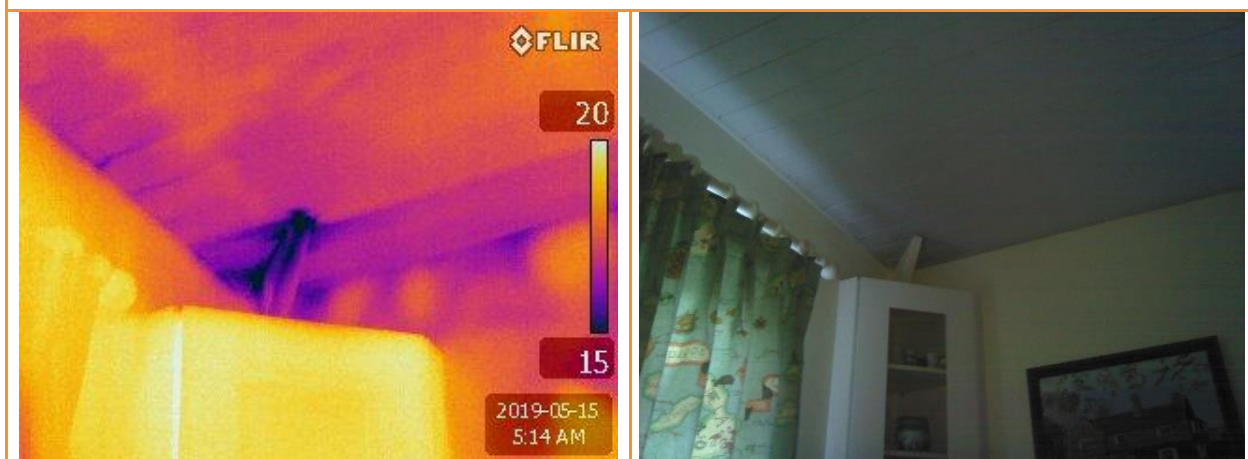
**1.07: External thermographic image whilst house pressurised, showing significant heat loss from the decorative feature along the external edge of the intermediate floor**



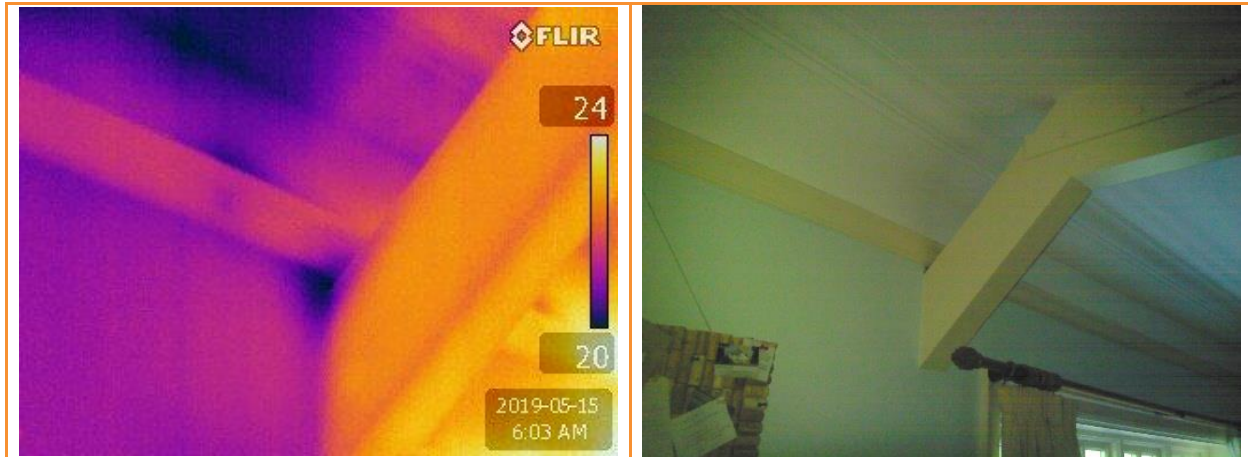
**1.08: Internal thermographic image whilst house depressurised, showing major leakage around roof joist in corner of single-storey section off kitchen**



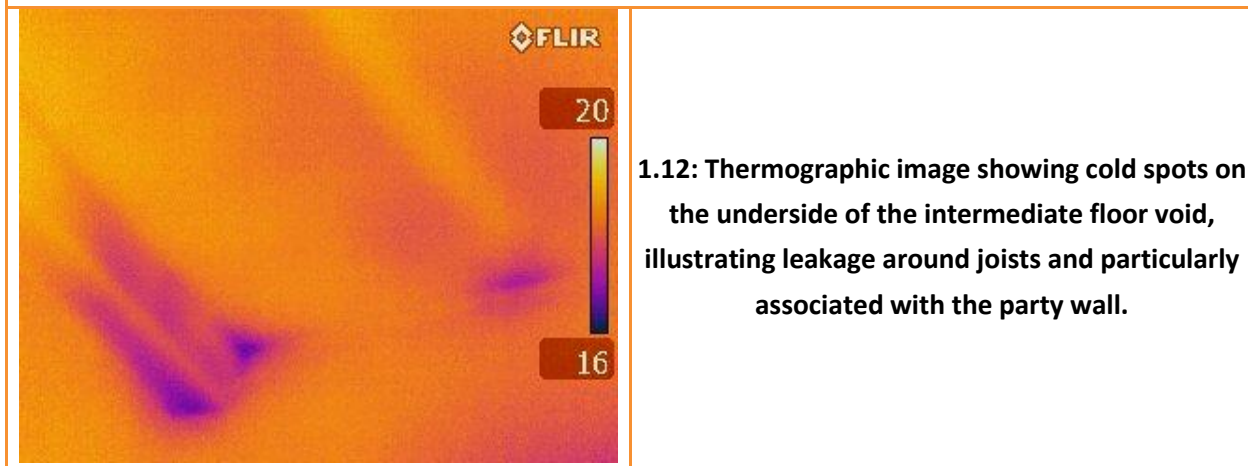
**1.09: Internal thermographic image whilst house is depressurised showing leakage beneath roof joist.**



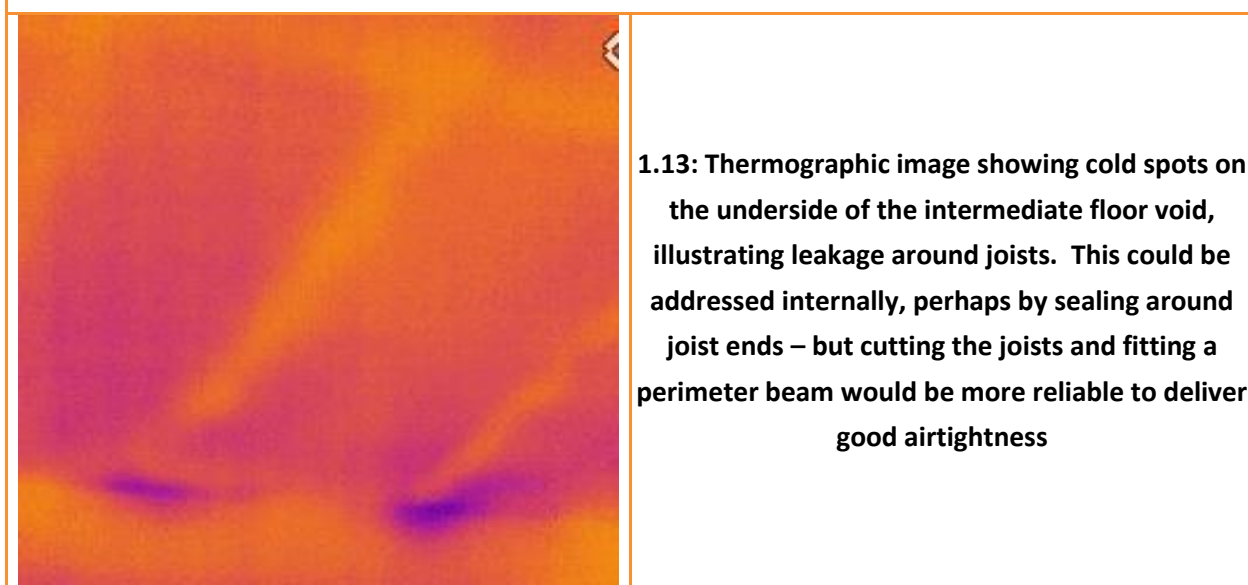
**1.10: Internal thermographic image whilst house depressurised, showing major leakage around roof joist in corner of single-storey section off kitchen**



**1.11: Internal thermographic image whilst house depressurised showing leakage above timber joist into wall, first floor bedroom. Also, cold section in roof suggesting missing insulation**



**1.12: Thermographic image showing cold spots on the underside of the intermediate floor void, illustrating leakage around joists and particularly associated with the party wall.**



**1.13: Thermographic image showing cold spots on the underside of the intermediate floor void, illustrating leakage around joists. This could be addressed internally, perhaps by sealing around joist ends – but cutting the joists and fitting a perimeter beam would be more reliable to deliver good airtightness**