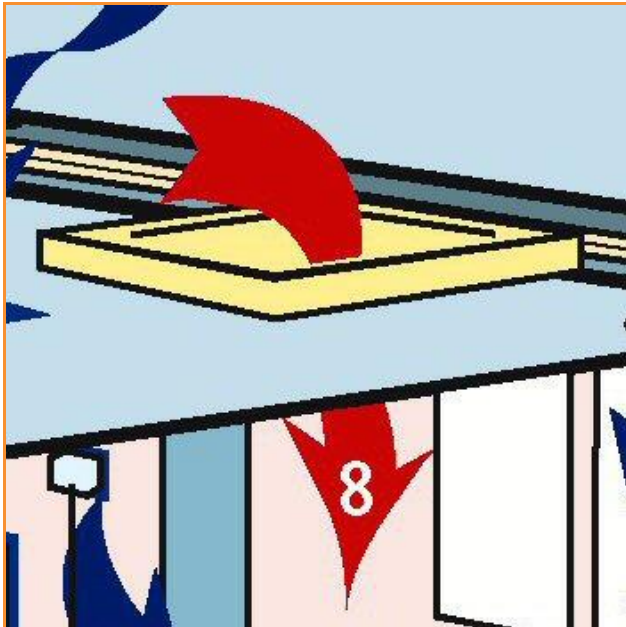




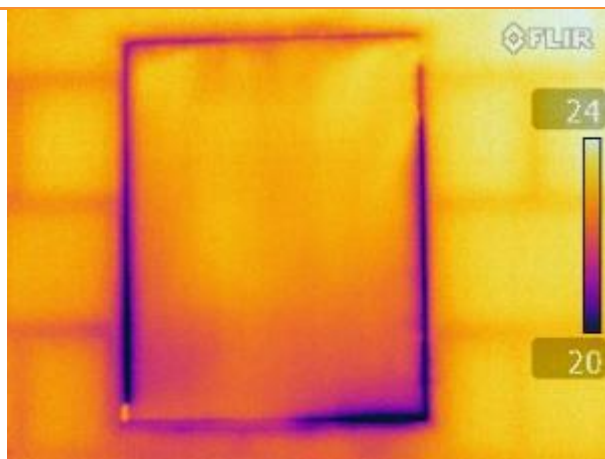
Common Leakage Sites no.8

Around loft hatches, including between framing and adjacent plasterboard ceiling. Can occur with prefabricated high-performance loft hatches.

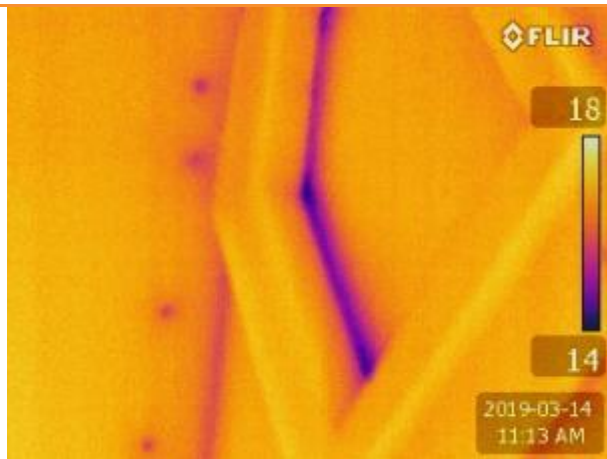
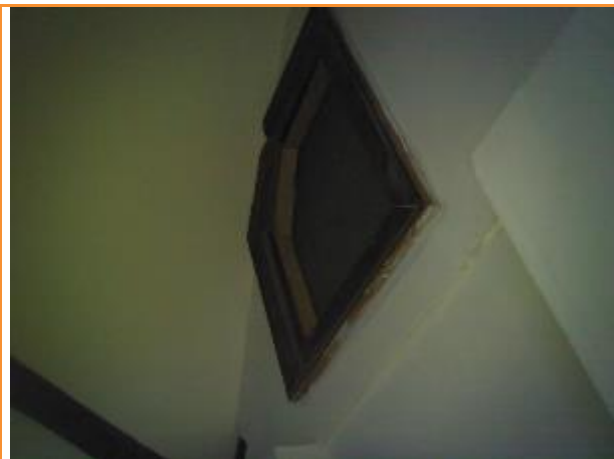


In this instance air is leaking from the unheated roof space into the house around the loft hatch or its frame due to a poor fit or inadequate sealing. This is an extremely common problem, even with modern prefabricated loft hatches.

Building Fabric Leakage 8: Around loft hatches and access hatches



8.01: Internal thermographic image whilst house is depressurised showing leakage around access hatch. Blockwork pattern behind plasterboard also visible.



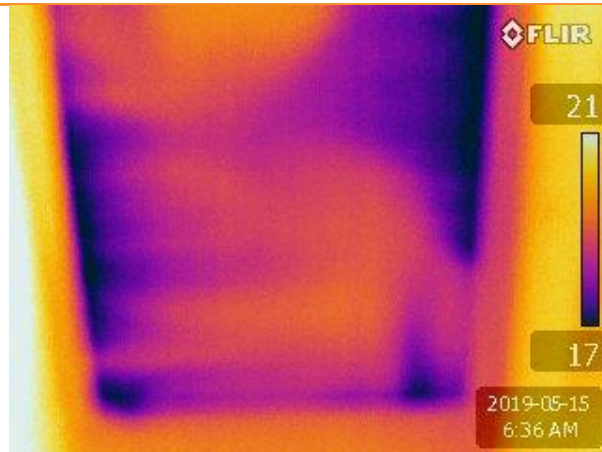
8.02: Internal thermographic image whilst house is depressurised showing leakage on access hatch into loft.



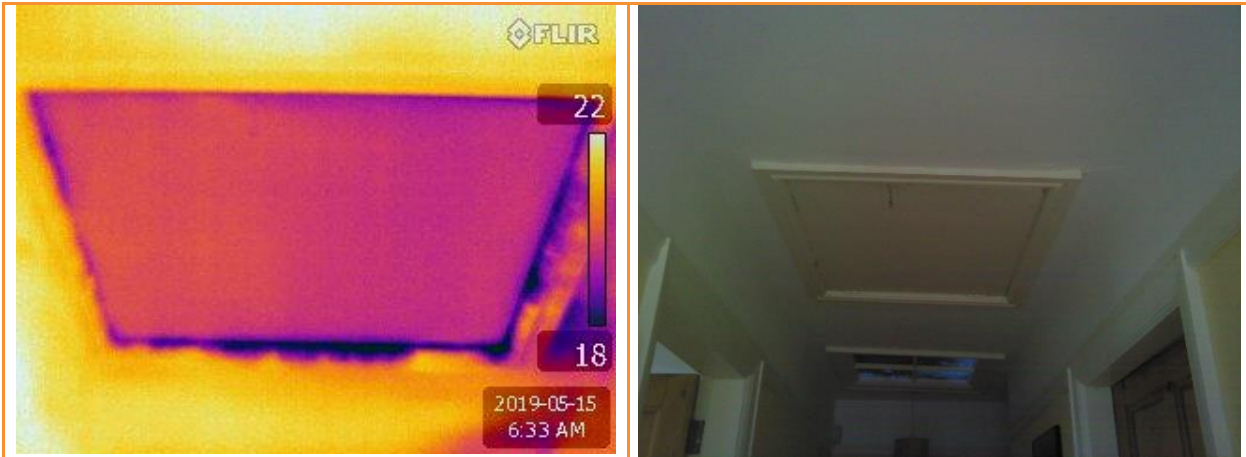
8.03: Leakage between top of roof upstand and bottom edge of smoke vent (AOV)



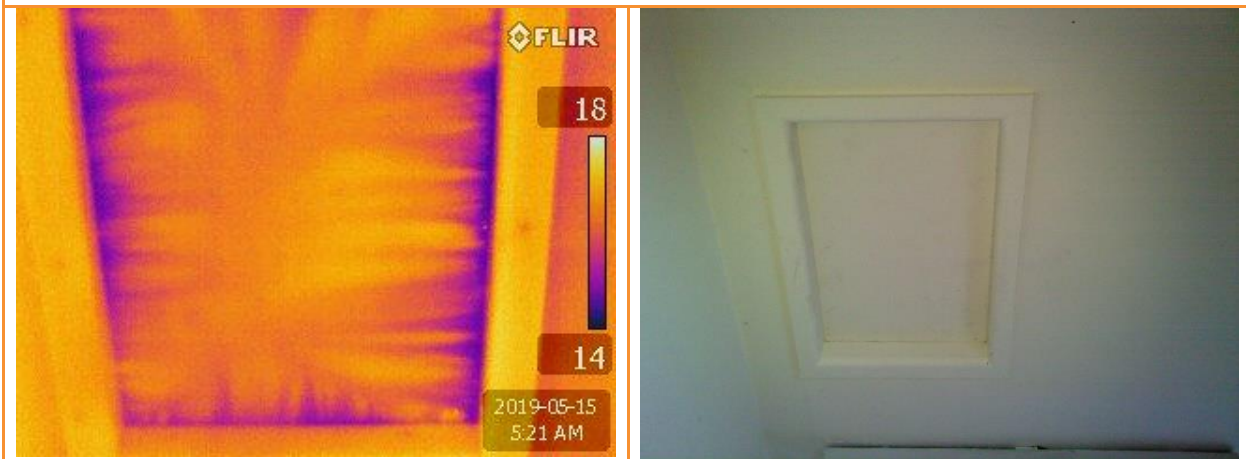
8.04: Leakage around the edges of large loft hatch – temporarily sealed to quantify by subtraction the significance of the problem.



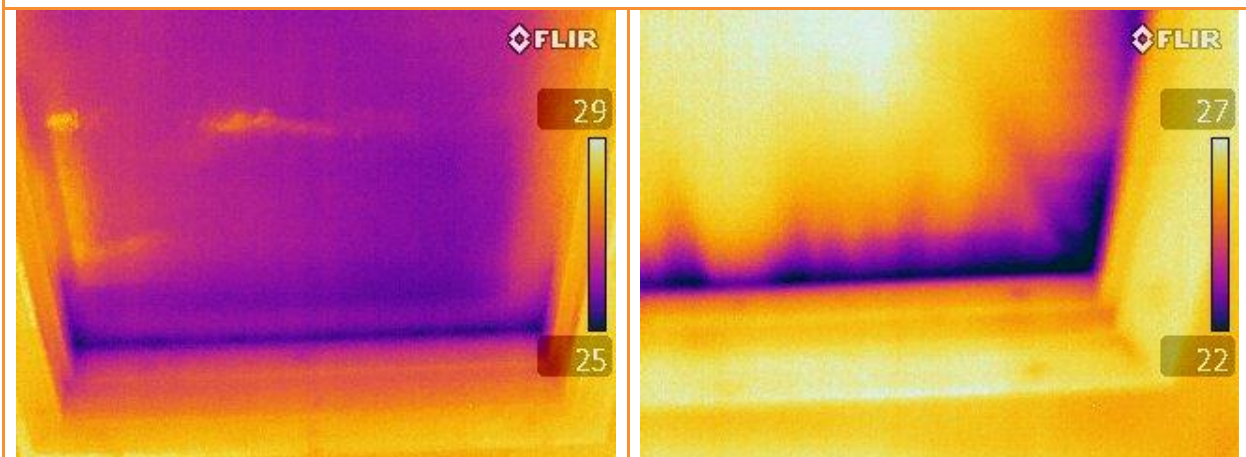
8.05: Internal thermographic image whilst house depressurised, showing substantial leakage on small bedroom loft hatch, first floor



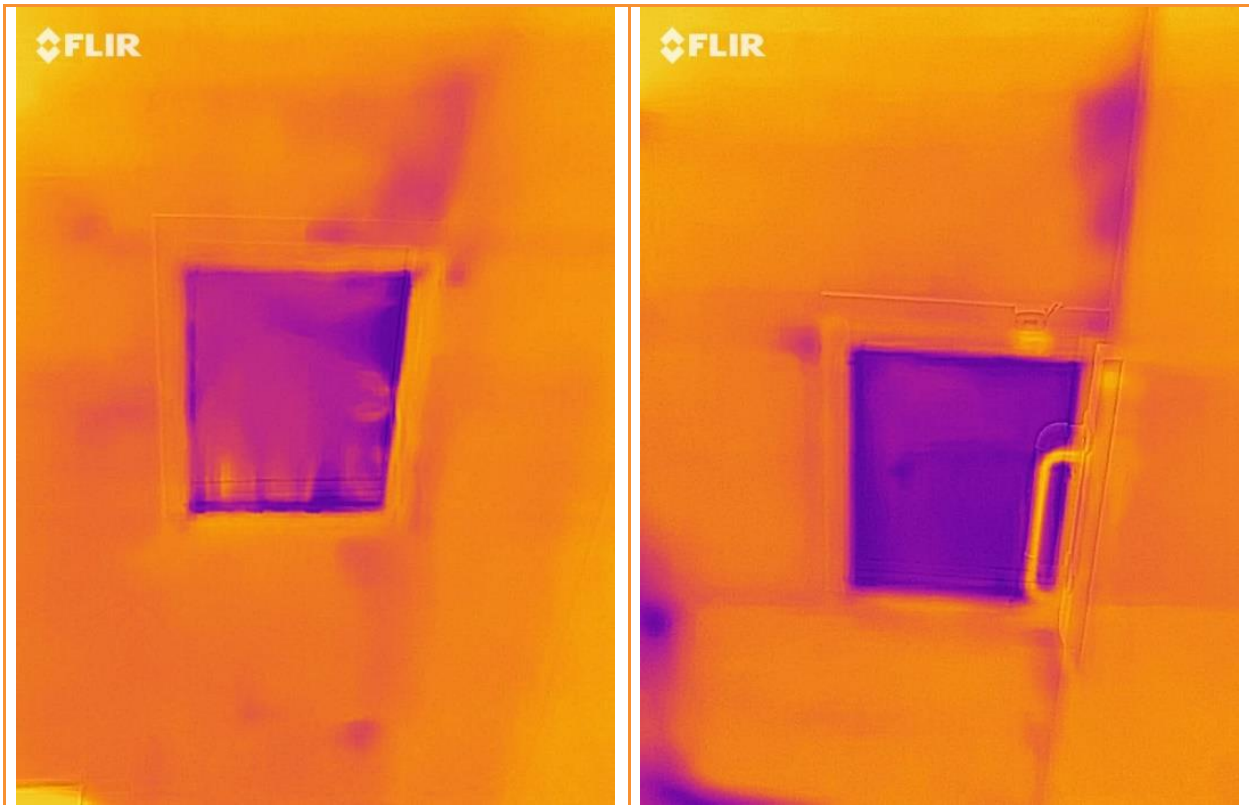
8.06: Internal thermographic image whilst house depressurised, showing substantial leakage on central loft hatch, first floor



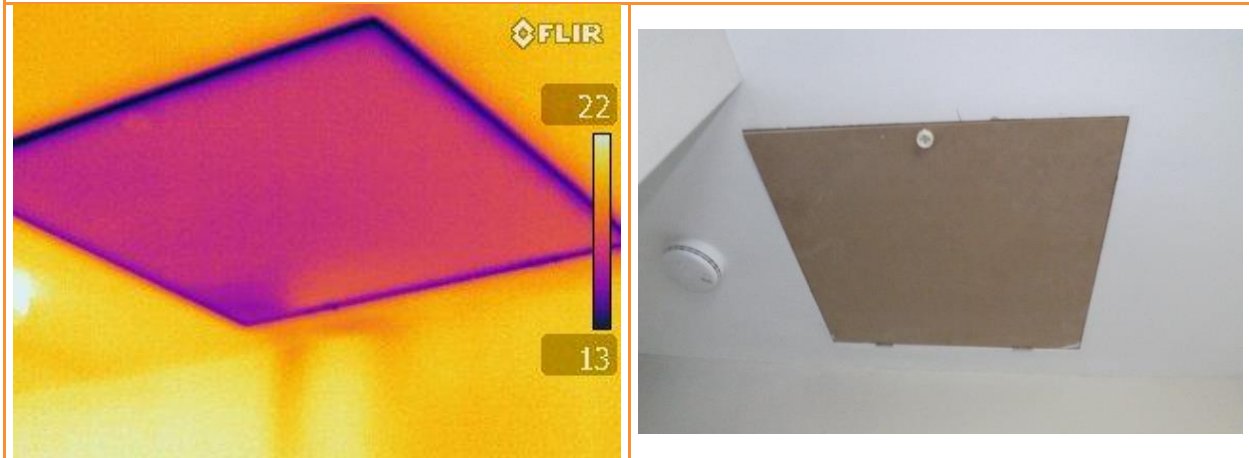
8.07: Internal thermographic image whilst house depressurised showing substantial leakage around edges of boot room loft hatch, ground floor



8.08: Cold spots and leakage on loft hatch before door fan operating (left), and then extensive leakage around loft hatch after door fan running (right)



8.09: Internal thermographic images whilst building depressurised, showing substantial leakage on two loft hatches – amongst the worst leaks because warm air rises and then escapes around the hatches, sucking cold air into the church hall at low level



8.10: Thermographic image showing substantial leakage around the loft hatch