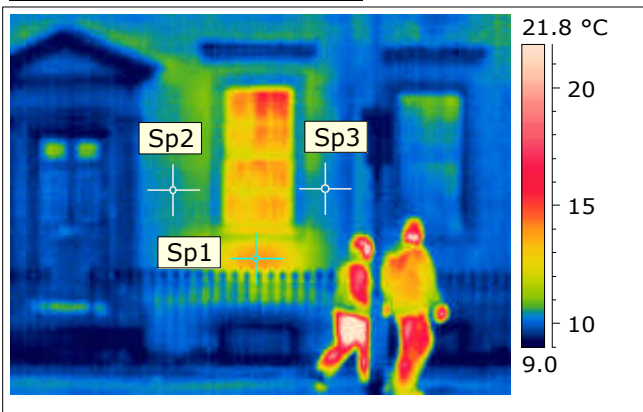


Survey: Sample Thermographic Investigation	Location: Monmouth Street, Bath	Date: 25 th February 2009
Client: Philip Jennings Chartered Surveyor		

Thermogram (25.02.09)



Photo



Sp1 Temperature	14.0 °C
Sp2 Temperature	10.6 °C
Sp3 Temperature	10.3 °C

Location	Junction of Chapel Row and Monmouth Street, Bath)
Equipment	Flir B360

Analysis and recommended actions:

Requirement: Survey lower front elevation of property on Monmouth Street, Bath
Construction: Regency building in solid Bath Stone with sash windows and stone sills.
Elevation: South / South West fronting busy main road.
Weather Conditions: The thermographic image was taken at mid day. The weather was dull with low cloud and high humidity, but no rain.
Temperature: 10°C
Humidity: Very High
Analysis: The spot temperatures, Sp2 and Sp3 indicate the external wall has a surface temperature of just over 10°C. However the area beneath the stone sill is showing a higher reading of 14°C or higher. This indicates that there is an anomaly with the main surface area of the wall.

Possible causes:

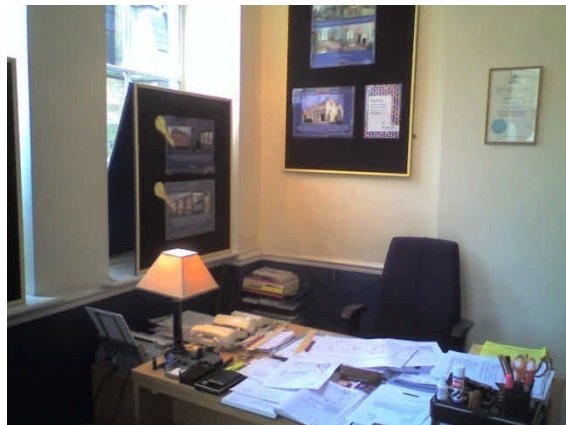
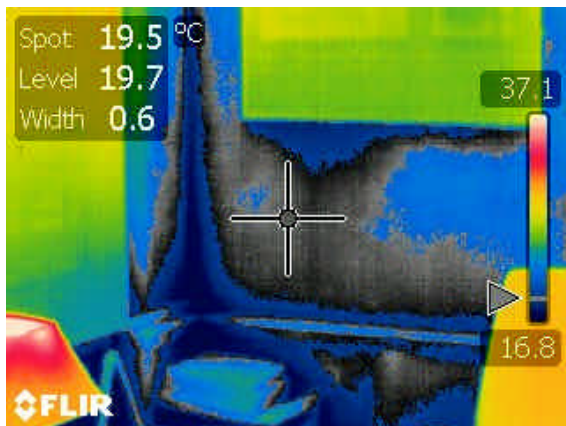
1. As the window above the sill is also showing a high reading it may be that there is a hot radiator directly below the window on the inside which is being transmitted through the wall.
2. The increase in heat could be highlighting a damp problem below the sill. Damp in this location could be the result of the stone sill having little or no water drip resulting in rainwater running down the wall rather than dripping away.

Recommendations:

Carry out further investigations to identify route cause.

1. Identify whether a radiator is present.
2. Visibly check for water drip. Use of a damp meter on the external wall to confirm existence of damp.

Additional internal investigation	Date: 25 th February 2009
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Investigating the internal wall of an office it was clear that damp had penetrated the wall and was advancing along the internal wall.
 Utilising an Isotherm we are able to highlight the extent of the damp problem.

Surveyor: John Woodgate	Signed	Date:
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