

# The University of Manchester

## Zochonis Windows Replacement (Phase 2)

Start Date 1st June 2009. Proposed finish date 31st July 2009

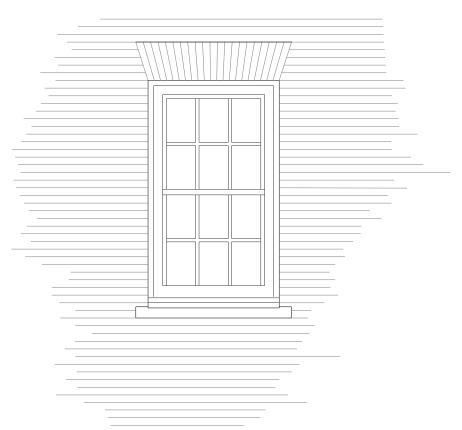
### Client

Professional Services Unit (PSU) 4th Floor Beyer Building Oxford Rd Manchester M13 9PL

#### **Main Contractor**

MBC Building Contractor NW Ltd Lyceum Works George Street Chadderton Oldham OL9 9HY

Tel No: 0161 628 3333 Fax No: 0161 628 2323



# The Design Service Unit

Would like to apologise in advance for any inconvenience during the construction work

All enquiries please contact Michael Lomas. Tell 5 7125 07909872629 Michael.lomas @manchester.ac.uk

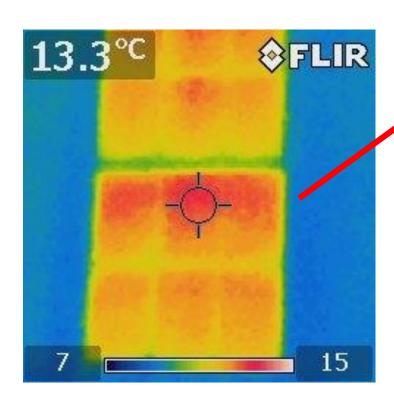
Or

Simon Hallett Faculty of Medical & Human Sciences tell 53927
Simon.T.Hallett@manchester.ac.uk

Zochonis Windows Replacement Project No 5069

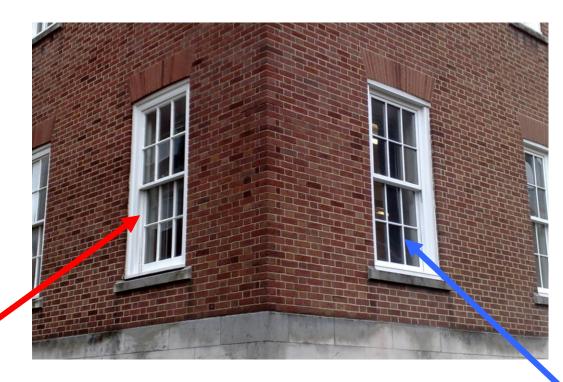


# Zochonis Windows Replacement (Phase 1 Dover street elevation completed October 2008)



Thermal Photo 1 taken from outside Existing timber widow frame single glazing

Thermal photo supply by David Brown & Damian Oatway Mechanical & Energy Engineer Professional Services unit (PSU)

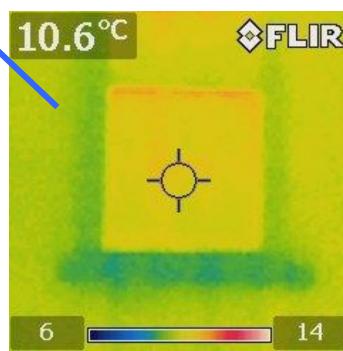


The comparison photos show the reduction of heat loss through the existing single glazed timber window on the left and the new UPVc window on the right

Both photos were taken on 15<sup>th</sup> March 2009 and show the difference in heat loss between a single glazed and double glazed unit. Both windows serve the same office taking an external air temperature of 10°C and an internal office temperature of 19°C.

This clearly illustrates the superior insulation quality achieved by the replacement double glazed modules.

The installation of double glazing throughout the Zochonis Building will generate significant savings on the heating load, improving Building User comfort and reduce our carbon emissions.



Dover street elevation Thermal photo 2 taken from outside New UPVc window with Double glazed unit