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STAINED GLASS CONSERVATION

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**August 2013**

**Thornhill St Michael and All Angels: conservation of nll**

This document is an appendix to our report of May 2013, and should be read in conjunction with our initial condition report of 2009

This brief report, four diagrams and images each of the individual panels are provided on CDRom. All images in reflected light © Jonathan Cooke; all images in transmitted light post removal © The Revd Gordon Plumb

Window sll (known as the 'Doom' window) was removed into storage in the Savile Chapel in w/c 21st March 2011 and a replica created.

The Savile Chapel was rededicated by the Bishop of Wakefield on 4th November 2012. The degradation of the c15 glass of the Savile Chapel is the subject of an English Heritage report series 31-2011 ISSN 1749-8775, co authored by David Dungworth, David Martlew, Richard Jaques, Jonathan and Ruth Cooke, and this window was featured in the 2013 English Heritage publication *Conservation Basics*, in the Practical Building Conservation Series.

At a meeting on 21st May: (see Notes of the Meeting prepared by PPIY Ltd) it was agreed that panels:

2a, (depicting St Peter),

2b (depicting St Michael with, above, a Pope, a Cardinal, a King and a Prince being received by an angel at a ladder)

3b (depicting Christ as one of the Trinity figures and, below, several monks being received by an angel at the head of a pathway)

should be installed into a light box display, in the Savile Chapel, with open secure storage of the remainder underneath.

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Given the condition of this glass (please see all reports on Savile Chapel glazing from 2009 and later), it was accepted that the conservation prior to display would necessarily have to be limited.

All heads and tracery panels were formed into rectangular panels, building out using 4mm clear float glass, for practical storage. These panels received new ½" perimeter leads.

Edge bonding was limited to securing the worst affected fragments of glass, and resin was applied to the external face only, which is relatively intact (see previous reports). The process of framing was carried out as gently as possible. Nevertheless, , glass fragments were loosened further. The glass is extremely fragile, due to multiple internal fractures, and, once stored, should be subjected to as little movement and vibration as possible..

All main lights were framed using 10mm x 12mm, and tracery lights using 6mm x 12mm C section manganese bronze.

Please see Diagrams 1-4 for location of edge joined pieces, indicated by Ea

#### **Materials used**

Lead: Jansen and Buscher, supplied by Decorative Glass Supplies

Glass: supplied by Design Glass (Pilkingtons)

Resin: Araldite 20/20, supplied by Optum International

#### **Cleaning Methods**

Squirrel hair brush only to remove loose dust particles