

Heritage Window & Glazing Conservation Method Statement

This document sets out the proposed conservation methodology for a series of leaded windows, iron frames, and associated glazed elements across multiple locations. The works will be undertaken by our specialist craftsmen using traditional methods and materials, with the objective of preserving historic fabric wherever possible, while reinstating the functionality and integrity of each window or glazing element.

All interventions will follow the principles of minimal intervention, authenticity, and reversibility, with replacement only carried out where necessary for structural stability or long-term performance. Restoration glass, with appropriate imperfections and textures, will be selected to replicate the character of the original glazing. All works will be fully recorded for the heritage archive via our condition survey report document that will be sent to yourselves for approval prior to any works commencing.

For clarity I have broken down each window, using the required scope of works provided by yourselves and provided our proposed methodology:

LGW1

The works to LGW1 will be carried out with the utmost care and respect for the historic fabric of the building. Three fixed leaded lights and one iron opening light will be carefully released by hand. While every effort will be made to preserve the existing glass, individual panes may be sacrificed if required to protect the frames. Each window will be tagged, securely packed, and transported to our workshop for restoration.

In our workshop, the iron opening light will be freed, cleaned, and restored to full working condition. Its ironwork will be refinished with a heritage-approved paint system, ensuring both protection and authenticity. Three new leaded lights will be manufactured using restoration glass, with clear glass to the upper sections and obscure glass to the lower, replicating the character of the original scheme.

Upon completion, the restored opening light will be reglazed with a single pane to match the historic arrangement. The new leaded panels will be installed into the prepared masonry using traditional bedding methods, ensuring long-term performance and visual continuity with the existing fabric.

LGW2

At LGW2, two fixed leaded lights and two iron-framed opening lights will be carefully removed. Where necessary, existing glazing will be broken out in order to protect the frames and surrounding masonry. The iron opening lights will be cleaned, repaired, and restored to full operational condition before being refinished in a heritage-appropriate paint system. Three new leaded lights will be fabricated using restoration glass, with clear glazing to the upper sections and obscure glazing to the lower. The large opening light will be reglazed in single-piece glass to match its historic arrangement, and all units will be reinstated into the masonry using traditional bedding methods.

LGW3

The works to LGW3 involve the careful dismantling of four large cast-iron window frames, each measuring approximately 2750mm x 1030mm. During removal, although great care will be taken while removing the

iron frames, given the age of the windows and presumed condition of the timber frames disturbance / damage to the associated timber surrounds is anticipated. All glass and hardened putty will be broken out to allow for safe transport of the castings to our workshop. The ironwork will then be blast-cleaned to SA2.5 standard, and a detailed condition assessment will be carried out. Hinges, catches, and opening lights will be restored as required, and the frames will be finished with a heritage paint system in the specified BS/RAL colour. New low-iron, toughened safety glass will be templated and prepared. Once returned to site, the castings will be refixed to restored timber frames (by others), and the glass will be bedded in traditional putty. This putty will be left unpainted to allow for curing, with paint supplied for later application.

LGW4

The scope for LGW4 mirrors that of LGW3, though it encompasses five large cast-iron frames rather than four. All works will follow the same methodology of removal, blast-cleaning, restoration, refinishing, and reglazing with toughened safety glass.

LGW8

At LGW8, existing plates from the ventilation openings will be removed. Four new stainless-steel, profile-cut grilles will be fabricated in a raw, unpainted finish, and these will be installed directly into the openings. No painting or drainage fins are included in the specification. As previously stated, we will take great care to remove the existing plates without any damage to further panes. However, the condition of the lead came joining the panes is currently unknown.

LGW14, LGW15 & LGW16

These three windows share an identical scope of works. In each case, two damaged glass panels will be broken out, and heavily corroded iron subframes will be removed. Templates will be taken to manufacture new leaded lights using traditional came and obscure glazing, replicating the original design. The iron frames will be restored for reinstatement, and the completed assemblies (approximately 1200mm x 760mm each) will be installed back into their original locations.

LGW17 & LGW18

At LGW17, all four glazing panels, together with the iron and steel opening light frames and leaded lights, will be removed. Glass may be broken as necessary to prevent damage to the surrounding structure. The iron opening lights will be restored to working order, and new leaded lights will be fabricated using restoration glass, with clear upper panels and obscure lower panels. The reinstatement will return both function and historic character to the opening.

Due to LGW18 not being made available for survey, will follow the same methodology, subject to confirmation once the brickwork covering the window has been removed and the window has been surveyed.

LGW19

The scope for LGW19 consists of the careful extraction of four fixed leaded lights from their brick and stone openings. The leaded lights throughout the building are extremely tight up against the surrounding brick / stonework. We will endeavour to remove the windows without any disturbance to the stone, however, it is unknown if this is possible until we undertake the installation. Some of the surrounding brickwork may need to be removed to enable us to release the window.

All four panels will be remade using restoration glass and traditional lead comes. Once completed, the new leaded panels will be bedded into the masonry with traditional putty to ensure compatibility with the historic fabric.

EXD1 – Door Surround

The glazing to EXD1 will be fully dismantled, including the removal of all fixed leaded lights and a single top opening light. Glass will be broken out where required to prevent damage to the framing. Three iron opening lights will be restored to full working order, and new leaded lights will be fabricated using clear glazing to the upper panels and obscure glazing to the lower. The large opening light and adjacent panels will be reglazed in leaded format to match the historic arrangement.

EXD3

At EXD3, only five broken panes require replacement. These will be carefully identified and removed, with surrounding foam residue cleared by others. New obscure glass, cut to match the existing glazing, will be prepared and installed into the existing leaded lights.

GW7

The works at GW7 involve the identification and removal of a damaged inner frame and a cracked glazing element. A new opening-light inner frame will be fabricated, and the existing cracked element repaired. Once completed, the fabricated frame will be glazed and reinstated into its original opening.

GW17

The scope at GW17 is limited to localised repair of the leadwork within the existing light. This will be carried out in situ, using traditional materials and methods.

GW27

At GW27, leadwork repairs will be undertaken to the underside of the upper horizontal bar and one vertical member. These works are limited in scope but will ensure the continued stability of the glazing.

GW29

The scope at GW29 includes the manufacture of a new leaded opening light measuring approximately 765mm x 1025mm. The new light will be installed into the existing opening and bedded using traditional putty to ensure both stability and historic continuity.

General Conservation Controls

All works will be undertaken by specialist craftsmen with extensive experience in the conservation of historic glazing and ironwork. Where glass replacement is necessary, restoration glass with authentic imperfections or cathedral-textured obscure glass will be used, in order to match the visual qualities of the original materials.

All interventions will be carefully documented, in the way of our condition survey report. Detailing any damage and our proposed methodology of repair, to form part of the permanent heritage record. No works will proceed on unexpected areas of deterioration without prior approval from yourselves. At every stage, the emphasis will remain on minimal intervention, compatibility of materials, and the preservation of historic character while ensuring the continued functionality of each element.

[End]