



04 RS3 - Scaffolding Design
Approximate extent of high level scaffolding to be erected to 4 no. sides of B02 to allow replacement of central roof lantern and associated roof repair works. Suspended scaffold system to be cantilevered and braced through high level windows at upper level. Allow for the provision of a temporary roof to scaffold and internal crash deck for duration of works. Final scaffold design to Scaffolding Sub-contractor's Design and Details.

04 Lightning Protection System
Lightning protection to be upgraded to M&E Consultants design and specification and tested upon completion to meet BS EN 62305.

Adjacent Slate Roofs
Adjacent slate roofs to be protected for the duration of the works and any defects made good upon completion.

Central lightning roof finial
To be carefully removed and retained for reinstatement in replacement roof lantern.

Central Structure Roof Lantern
Replace timber framed lantern rooflight with new self supporting aluminium framed lantern to replicate original design. New double glazed units to be incorporated to pitches (toughened outer pane, laminated inner pane) with solid infill panels to upstands. Internal lamination to provide 99.9% UV reduction as per Specialist Supplier's Design and Details.

RS4 - Leadworks
Flashing to lantern to be renewed in Code 5 lead, including upstand to lantern and around perimeter at transitions to slate roof.

11
B01-RF-005
Pitched Roof

TMN-005
Roof Lantern

12

02

03

01

Existing access hatch to roof void
Existing access ladder / platform

Roof Repairs - Legend

- Removal of existing timber roof lantern to allow full replacement. New self-supporting aluminium rooflight with double glazed units as specialist suppliers design.
- Existing lead flashings to glass rooflights to be replaced with Code 5 lead as RS4. Make adjustments to surrounding slate roofs as required to accept new lantern.
- Proposed location of suspended scaffolding system. Crash deck and temporary roof to be installed to facilitate works.

General Notes

- For references and descriptions to work items, refer to separate Architectural Specification 9518NBS and Architectural Restoration Specification document 9518RS. Any works item is presented in numbered form.
- All dimensions must be checked on site before proceeding. Dimensions of new work are to be adjusted to suit the existing where necessary. Do not assume that the existing structure or details are plumb, square or level.
- Any discrepancies to be brought to the Architects attention as soon as possible.

CDM Regulations 2015

- 11** Risk of asbestos exposure during demolition works. R&D survey to be undertaken and recommendations of asbestos surveyor's report adhered to. Any suspected ACMs discovered during works to be reported.
- 12** Risk of injury relating to dismantling of building elements at height, including glass. Contractor to prepare method statement for approval ahead of works commencing.
- 13** Risk of injury relating to a fall from height. Scaffolding, fall arrest system and internal crash deck to be in place throughout duration of works. Workers to clip on to scaffold; no lone working permitted.
- 14** Risk of injury moving materials. Manual handling to be kept to a minimum, workers to use hoists to transport materials to and from ground level.
- 15** Risk of overlap with users/members of the public accessing the land and paths around the building. Phasing of works and possession of site to be agreed to restrict public access to working areas.
- 16** Risk of unauthorised access/theft/vandalism. Scaffold to be secured and site security procedures to be agreed and reviewed regularly throughout works.
- 17** Busy road movements adjacent to the site. General access arrangements, co-ordination of deliveries, storage and removal of materials including scaffold to be carefully planned.
- 18** Possibility of overhead/underground services in proximity to working area. Location of services to be confirmed and safe working area to be agreed.

Design Notes

- 01** Please refer to separate window schedule for details of repairs to high level atrium windows
- 02** Please refer to Hutton & Rostron report 212-98 for condition survey of existing lantern
- 03** Refer to Structural Engineer's load assessment for replacement rooflight
- 04** Lightning protection to be assessed and upgraded if required as per M&E consultants specification.
- 05** This drawing represents DESIGN INTENT ONLY. Refer to specialist supplier's information for design and details of new roof lantern.

P03	18/01/24	Stage 3 for acceptance Dimensions amended to accord with survey of roof lantern, proposal notes amended
P02	08/06/23	Additional notes added
P01	31/05/23	Stage 3 issue

Rev Date/Intls Details

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Client Manchester City Council
Location Mosley Street, Manchester

Drawing Title Roof Lantern Replacement
Proposed Roof Plan

Date 31/05/23 **Scale** 1:50
Checked EK **Orig Paper Size** A1

Status Preliminary

Project: Origin: Zone: Level: Type: Disc: Code: Number: Rev:

MAG - BUT - 17 - RL - DR - A - 00 - 4001 P03

ROOF PLAN
1:50

0m 1m 2m 3m 4m 5m