

SUPPORTING STATEMENT

Proposed Staircase, Landing and Railing Works

Drawing references: 8195-01 Rev E and 8195-02

1. Fixings and Installation

The new staircase will be securely fixed to the existing structural slab. The proposed fixing locations are shown on drawing 8195-02 and will be accurately set out prior to installation to ensure the anchors are correctly positioned in relation to the staircase base plates and the existing concrete structure.

At the base of the staircase, SLSK12/10 heavy-duty fixing anchors will be used to secure the staircase to the existing concrete slab. The concrete slab will be drilled to the required diameter and depth using suitable drilling equipment. The drilled holes will be thoroughly cleaned to remove dust and debris before the anchors are installed. The SLSK12/10 anchors will then be installed in accordance with the manufacturer's installation requirements and tightened to the specified torque.

At the upper section of the staircase, M16 bolts will be used to provide a secure connection to the existing structural beam. The fixing locations will be accurately marked out and drilled as required, with the staircase positioned and aligned prior to final tightening of the connections.

All fixings will be installed using appropriate tools and equipment. The completed connections will be visually inspected to ensure they are securely installed and suitably aligned. Drilling and fixing works will be undertaken with due consideration to the existing structure and surrounding services.

2. Existing Staircase Removal

The existing staircase will be carefully dismantled and removed in a controlled and methodical manner. Prior to commencing the works, the area will be suitably segregated and access restricted to authorised personnel only.

The staircase will be dismantled into manageable sections wherever practicable, with appropriate temporary support provided as required during the removal process. Larger or heavier sections will be mechanically handled using suitable access and/or lifting equipment, such as a MEWP and appropriate lifting equipment, to minimise manual handling and ensure components can be safely lowered and removed.

All materials will be carefully controlled during dismantling to prevent uncontrolled movement or falling objects. Once fully dismantled, the staircase components will be removed from the work area and taken off site for disposal or recycling, as appropriate.

3. Making-Good and Floor Reinstatement

Following removal of the existing staircase, the resulting opening will be infilled with new galvanised steel joists, suitably secured to the surrounding structure using steel cleats and M12 bolted connections. The new joists will provide the structural support framework, with 38 mm timber decking boards securely fixed over the joists to reinstate the floor area and provide a continuous, level finished surface.

Any existing holes or areas of the concrete slab affected by the removal of the existing staircase and associated works will be repaired and filled using appropriate materials and methods, in accordance with the relevant heritage requirements, to suitably reinstate the existing concrete surface.

There will be no requirement to fill or make good fixing holes within the existing mezzanine structure, as these works do not affect the heritage fabric or appearance of the building.

4. Staircase and Railing Colour / Finish

The new staircase and railing will be finished in RAL 9006 (White Aluminium). The finish will be applied as the specified durable coating to provide a consistent appearance to the new staircase and railing.

5. Drawing References

The proposed arrangement and fixing locations are illustrated on drawing 8195-01 Rev E and drawing 8195-02, which should be read in conjunction with this supporting statement.

This statement provides a concise description of the proposed fixings, installation and removal methodology, making-good works, floor reinstatement and finish of the new staircase and railing, in response to the information requested.