
Job Title

Carvers Warehouse Staircase
Proposal

Prepared for

Civic Engineers

Report Type

Construction Methodology

Date

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Construction Methodology

Prepared by	OW
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Reviewed by	JBr
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Introduction

This document outlines the intended installation methodology of a spiral staircase between the upper and lower ground floors of Carver's Warehouse in Manchester. Particular attention has been paid to developing a sequence of works that allows for the reinstatement of the existing fabric and structure of the building in future, utilising the removed and retained timber joists.

Methodology

1. Soft strip of all furniture and decoration within the lower ground floor room currently formed by the two partition walls and the kitchenette on the opposite side of partition wall A (see drawing 00028-SK-001.
2. Removal of all mechanical, electrical and plumbing (MEP) within the area of floor scheduled for removal as delineated by drawing 00028-SK-001. All MEP affected to be re-routed in a simpler format agreed with Civic Engineers, allowing for improvement on visibility of the existing timber soffit above.
3. Kitchenette currently situated adjacent to partition wall A to be moved from its current position to the opposite wall of the kitchen area to allow for the removal of partition wall A, revealing better visibility of the existing listed fabric of the building.
4. Removal of partition walls A and B. Particular care is to be taken in the removal of partition wall A to prevent damage from occurring to the existing cast iron column currently sat within the wall.
5. Removal of flooring at first floor in the area outlined in step 2. Edge protection to be provided at first floor to make safe the area during the works.
6. Four joists as outlined in 00028-SK-001 to be carefully cut along the centreline of the primary timber beam spanning parallel to partition wall A. Particular care to be paid to avoid damage to the primary beam during this step.
7. Removal of the four joists as whole pieces. Joists are then to be repurposed as furniture for display within Civic Engineers lower ground floor space.
8. Removal of existing flag stone over the area set out for the central column of the staircase and new pad footing installed to provide foundation support to new stair.
9. Installation of staircase – baseplate of central column to be securely fixed to staircase footing. The head of the staircase is to be fixed back to the first-floor timbers to provide a secure restraint against lateral forces.
10. Balustrade to be installed at the head of the staircase and the flooring removed to be reinstated up to the threshold of the stair.
11. Removal of temporary edge protection and redecoration of the area to return the finishes to their current state.

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