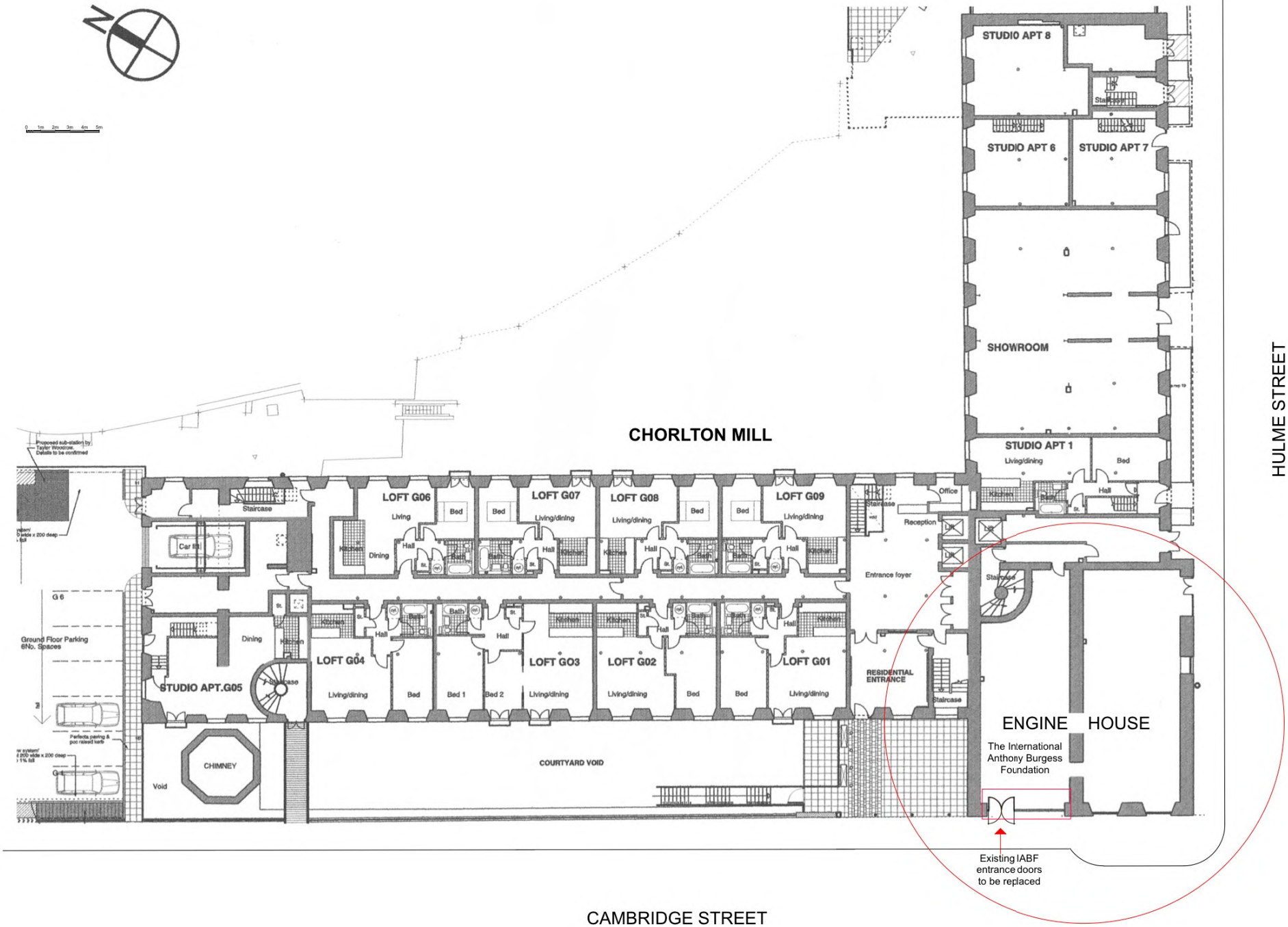

PLANNING / LBC ISSUE

Scheme
Replacement of Entrance Doors,
The Engine House
Chorlton Mill
3 Cambridge Street, Manchester

Client
The International Anthony Burgess Foundation

Title
Site Layout

Scale	Date	Drawn
1:250	16.4.12	MM

Job No	Dwg No	Rev
P102	02	

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SITE LAYOUT 1:250@A3

5.2 Detail Design Proposals

Following the feedback in response to the initial sketch proposals the IABF appointed a Structural Engineer to look at providing a minimal structural solution for a steel frame to support the new doors and resist wind loadings. Rather than a clumsy RHS with door frame bolted below a much neater solution is to have a 'C' type steel channel section with the smaller face to the outside and the door frame itself discretely fixed inside the steel 'C' section. The new independent double doors are to be positioned 10mm inside the line of the existing planar glazing and be fitted with concealed transom closers to avoid some of the problems experienced with the existing pivot hinge doors.

The new double action open-in & open-out doors are to be Comar 7P.i type double glazed doors from Comar Architectural Aluminium Systems fitted with anti finger trap stiles and Axim size 3 concealed transom closers. The slimline aluminium frame is to be finished in a polyester powder coat finish in a RAL colour to closely match stainless steel (Telegrey 4 RAL 7047).

For further details of the proposed new doors refer to drawing no. P102/05 submitted with the application.

6.0 SUMMARY

6.1 The Heritage Statement demonstrates that the proposed replacement of the Engine House doors will have no significant impact on the main historic features of Chorlton Mill which will remain as a 'fine example of early large-scale mill building'.

The proposals for new replacement doors within the glazed screen will have a low impact on the architectural scale and character of Chorlton Mill and it is worth noting that in terms of the buildings longevity as a heritage asset, all the proposed new work is reversible, so that any changes can be undone at a future date without any harm to the historic fabric of the Grade II listed building.

7.0 APPENDICES

7.1 Appendix 1 - List of Illustrations

Fig 1 - 1998 Photograph of Chorlton Mill Engine House
Fig 2 - 1998 Photograph of Chorlton Mill Engine House
Fig 3 - 1998 Photograph of Chorlton Mill Engine House
Fig 4 - Ordnance Survey Map of 1849 showing Chorlton Mill & Little Ireland
Fig 5 - Plan of Chorlton Mill c1830 prior to Engine House
Fig 6 - Chorlton Mill Section to Cambridge St. gable showing beam engine
Fig 7 - Chorlton Mill Neighbourhood c1851
Fig 8 - Photograph of existing Engine House frontage to Cambridge Street
Fig 9 - Photograph of existing Engine House frontage to Cambridge Street

7.2 Appendix 2 - List of Planning & Listed Building Consent Drawings/Information submitted by Mike Macpherson Architects

P102 / SP1	Existing Site Photographs
P102 / 01	Site Location
P102 / 02	Site Layout
P102 / 03	Existing Ground Floor Plan & Elevation
P102 / 04	Proposed Ground Floor Plan & Elevation
P102/ 05	Proposed Entrance Door Details
P102 / D&AS	Design and Access Statement
P102 / HS	Heritage Statement
P102 / FRS	Flood Risk Statement

MB-1622(1-15) Structural Design Calculations and Details for Door Support Frame