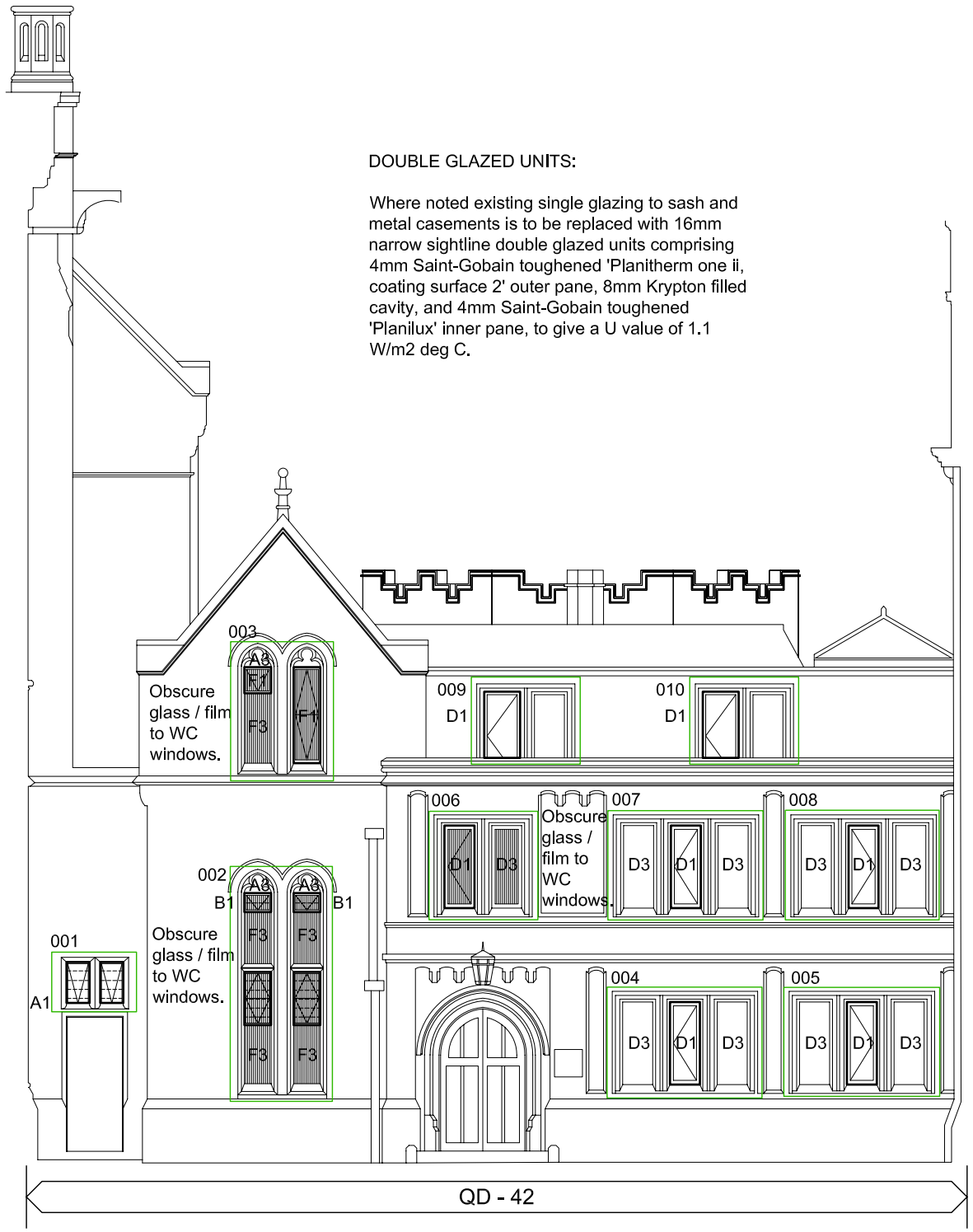


DOUBLE GLAZED UNITS:

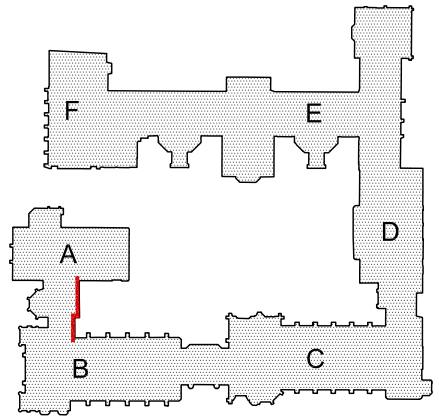
Where noted existing single glazing to sash and metal casements is to be replaced with 16mm narrow sightline double glazed units comprising 4mm Saint-Gobain toughened 'Planitherm one ii, coating surface 2' outer pane, 8mm Krypton filled cavity, and 4mm Saint-Gobain toughened 'Planilux' inner pane, to give a U value of 1.1 W/m2 deg C.

Window Ref. 001, Bay QD-42:
Carefully remove existing steel framed louvred glass panels from stone fanlight surrounds and cart away.
Supply and fix Crittall Corporate 20 Range powder coated galvanised steel windows, to accommodate 16mm narrow sightline sealed double glazed units as specified elsewhere, by window supplier. Opening pattern of casements to be as indicated.

Window Ref. 002 and 003, Bay QD-42:
Carefully remove existing stained / painted leaded glazing as NBS L40/136 from cinquefoils at window head ready for refurbishing and releading with new cames as L40/137. Remove remainder of frameless single glazing, metal framed opening casements and metal framed louvred glass panels, from stone surrounds and cart away. Allow for removal of internal timber beading where present for subsequent re-fixing / renewal on reinstatement of glass.
Opening lights and louvred panels are to be replaced with Crittall Corporate 20 Range powder coated galvanised steel windows, to accommodate 16mm narrow sightline sealed double glazed units as specified elsewhere, by window supplier. Opening pattern of casements and ironmongery to be as existing, except as indicated for former louvred panels.
Frameless double glazed panels are to be glazed into powder coated galvanised steel angles (concealed externally by the masonry rebate) at the reveals, pointed externally with Arbosil XL 1099 mastic sealant, and secured internally with timber beads cut down as necessary and screwed to the reveal masonry. The cinquefoil heads of the refurbished leaded light panels are to be glazed into slotted rebates in the stone tracery with 1:3 lime:sand mortar to the approved pointing sample, brush finished with a shallow bevel. Privacy film to be used to rear face of glass, or obscure glass. Check ventilation arrangements to WC's, as fans may need to be accommodated in glazing.

Window Ref. 004, 005, 006, 007 and 008, Bay QD-42:
Carefully remove existing leaded glazing as NBS L40/136 ready for refurbishing and releading with new cames as L40/137. Allow for removal of internal timber beading where present for subsequent re-fixing / renewal on reinstatement. At present none of the windows has saddlebars, and it is assumed that none are required. Remove metal casements following glazing removal, and restore by gentle sandblasting and redecoration as NBS M60/130B. Include for refurbishing ironmongery and replacement of broken / missing parts. Finished windows and casements are to be glazed into the stone surrounds externally with Arbosil XL 1099 mastic sealant, and secured internally with timber beads screwed to the reveal masonry.
All windows are to be secondary glazed with bronze framed casements. Exact detail to be confirmed with supplier. Secondary glazing to Window Ref. 006 to be obscure, or have privacy film.

Window Ref. 009 and 010, Bay QD-42:
Carefully remove existing leaded glazing and leaded casement windows, refurbish and replace as described for Window Ref. 004 - 008 above. These windows are into circulation areas, and, as such, have no secondary glazing requirements.



EXTENT COVERED BY THIS DRAWING

WINDOW TYPE DESCRIPTIONS:

A Leaded stained glass
A1 In metal frames / casements
A2 In timber frames / casements
A3 Into stone

B Clear Glass
B1 In metal frame / casement
B2 In timber frame / casement
B3 Metal casement in timber frame

C Plain glass in stone (no frame)
C1 Plain glass in stone but with metal transom

D Leaded glass
D1 Leaded metal frame / casement
D2 Leaded in timber frame / casement
D3 Into stone

E Roof Window
E1 Patent glazing
E2 With leaded glass

F Textured float glass
F1 In metal frame / casement
F2 In timber frame / casement

G Georgian wired
G1 In metal frame
G2 In timber frame
G3 Into stone

H Sliding Sash
H1 Fixed sash / sealed shut
H2 Leaded panel

BUILDING REFERENCES:

A - Christie Building
B - Whitworth Hall
C - Manchester Museum
D - Beyer Building
E - John Owens Building
F - John Owens Building
(Student Services)
G - Manchester Museum
H - Manchester Museum

Contract
UNIVERSITY of MANCHESTER
Fabric Repairs to Quadrangle: Phases 4, 5 and 6

Client UNIVERSITY OF MANCHESTER

Building / Structure CHRISTIE LINK

PROPOSED WINDOW REPAIRS

Drawing No. WR-49
Contract No. 4106A
Scale 1:100 @ A3
Date 15.01.13
Drawn FDS
Revision -

LLOYD EVANS PRICHARD ltd
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