

General Notes

This drawing is to be read for 'Window & External Door Schedule' purposes only.

This drawing is to be read in conjunction with the following DLA Architecture drawings:

2018-051 / 0221 - 0227 inclusive for 'Proposed Floor Plans'

2018-051 / 0221 for 'Proposed GL Sections'

2018-051 / 0242 inclusive for 'Proposed Elevations'

2018-051 / 0281 for 'Acoustic Strategy'

This drawing is to be read in conjunction with all relevant Structural Engineers detail drawings and specifications.

This drawing is to be read in conjunction with all relevant Mechanical & Electrical Engineers detail drawings and specifications.

All dimensions, levels and details relating to existing construction to be verified on site and any discrepancies reported to the architect.

Note: This drawing is 'design intent' only - Specialist Sub-Contractor design portion

DLA DESIGN INTENT ONLY

EXTERNAL GLAZING WORKS PACKAGE

General:

This drawing is 'design intent' only and is subject to development by the respective Design Sub-Contractor. The design, installation and performance of the completed window systems are the responsibility of the Design Sub-Contractor. Please read alongside agreed project outline specification.

The Design Sub-Contractor is to produce fabrication drawings for comment by the Architect prior to any manufacture.

Setting out to be established and checked on site prior to any manufacture.

For locations of windows and doors, refer to DLA Architecture drawing ref's 2018-051 / 0221 - 0227 (SA Plans) & 2018-051 / 0242 (Elevations).

Only overall external (masonry) opening dimensions are stated on this drawing. Design Sub-Contractor to make necessary allowance for required tolerances.

Cracked support plates will be required to support and restrain the base of the window system within the exterior, fixing back to the UGSP system, to the satisfaction of the frame designer.

All sill flashings, sill stop ends, closure pieces and framework cappings, perimeter mastic sealants etc. to be supplied and installed by the Design Sub-Contractor.

All ground floor glazing systems and external doors to accord with the requirements of 'Securely by Design' to PAS 24 or UPI175:2004 and installed in strict accordance with manufacturer's details.

Replacement windows typically to be timber framed with paint finish and double glazed units as manufactured by 'George Barnsall' or similar approved, installed in strict accordance with manufacturer's details. Make allowance for site measure of existing windows, in order to match new window profile and features to existing where possible (eg. sash horns, etc.).

New windows to rear elevation typically to be spec aluminium framed and double glazed units as Xaamener A4202 or similar approved, to the requirements of BS 4873:2004 and installed in strict accordance with manufacturer's details.

The perimeter frame are to be technically fixed in strict accordance with the manufacturer's recommendations and sealed to give applied low modulus silicon sealant (colour to match frames) or a polyethylene backing rod. Sealant to be suitable for proposed location / adjacent materials (eg. zinc, copper, natural stone).

All glazing to double-glazed units as 'Saint Gobain' or similar approved, to be designed by specialist glazing sub-contractor to comply with the requirements of BS 5400, BS 4873, Parts 1 and 2, BS EN 12207, BS EN 12208 and Part 4 of the Building Regulations. Thermal shock analysis to be provided by specialist glazing sub-contractor for their proposed glazing specification. Reference to be made to NBS Section L20 for proposed specification / requirements.

Building Control Authority Approval:

The scheme is subject to Building Regulations approval and as such, products and materials stated on these drawings may be subject to comment by the regulatory body.

All glazing at Ground Floor Level is to achieve 'safe breakage' according with Building Regulations Approved Document Part L4: Protection against impact with glazing 'Section 5'.

All glazing to Upper Floor Levels to accord with barrier loading requirements as outlined in BS 6180:2011 Table 2 'Minimum horizontal imposed loads for parapets, barrier and balustrades' to a height of 1100mm. Reference to be made to separate DLA Architecture drawing 2018-051 / 0282 'Guarding / Loading Plans'.

Diagonal hatching denotes where a solid, curvatic fix is to be applied to the 3rd face of glass. Colour: T6 Localised. Architectural - pending sample approval. An insulated backing panel is to be applied to the rear of glass to avoid thermal shock issues.

Reference also to be made to NBS Section L10.

Planning Approval / Listed Building Consent:

The scheme has been granted Planning Approval and Listed Building Consent, however Conditions require discharging in respect of the proposed windows and external doors. Therefore, products and materials stated on these drawings may be subject to comment and approval by the regulatory body.

Operation:

Windows will be either side hung, sliding sash or pivot to suit ventilation strategy requirements and will be fitted with 'interparent' permanent restrictors for normal safe usage. Where sill height is less than 800mm windows to be restricted to max 100mm opening in accordance with Part 4 of the Building Regulations. Reference to be made to NBS Section L10 for proposed specification and ironmongery requirements.

Door Type A
PVC insulated steel security doorset as 'Accot Doors' or similar approved. Doorset to be complete with welded and reinforced frame and integral channels to perimeter of door leaf and meeting stile. Doorset to incorporate low profile aluminium threshold to comply with Part M of the Building Regulations. Overlap to be of same construction and finish as doors, complete with heavy panel and insect mesh backing. Reference to be made to DLA drawing 2018-051 / 0730 for access control strategy and NBS Section L20 for proposed specification and ironmongery requirements.

Door Type B
PVC aluminium / glass door within Residential entrance glazing system, all to specialist sub-contractor's details. Door to be fully draught-proofed, complete with ribbed low profile with finished aluminium threshold strip to comply with Part M of the Building Regulations. Reference to be made to DLA drawing 2018-051 / 0730 for access control strategy and NBS Section L20 for proposed specification and ironmongery requirements.

Door Type C
PVC aluminium / glass door within AS1 Unit entrance glazing system, all to specialist sub-contractor's details. Door to be fully draught-proofed, complete with ribbed low profile with finished aluminium threshold strip to comply with Part M of the Building Regulations. Reference to be made to DLA drawing 2018-051 / 0730 for access control strategy and NBS Section L20 for proposed specification and ironmongery requirements.

Door Type D
PVC aluminium lift / slide door as 'Xaamener A43572' or similar approved. Door to have top and bottom rails, no mid rails are to be provided. Door to be fully draught-proofed, complete with integral track / sliding mechanism and associated seals. Reference to be made to DLA Architecture drawing 2018-051 / 0730 for access control strategy and NBS Section L20 for proposed specification and ironmongery requirements.

Door Type E
PVC aluminium lift / slide door as 'Xaamener A43572' or similar approved. Door to have top and bottom rails, no mid rails are to be provided. Door to be fully draught-proofed, complete with integral track / sliding mechanism and associated seals. Reference to be made to DLA Architecture drawing 2018-051 / 0730 for access control strategy and NBS Section L20 for proposed specification and ironmongery requirements.

Ventilation:

Where required, purge ventilation is to be via an operable window. All opening windows are to open at least 15 degrees so that they provide at least 1/10th purge ventilation to the room, or between 15-20 degrees so that the provide 1/120th ventilation to the room in which they serve in accordance with Approved Document F, Appendix B. The supplier is to confirm the actual free area and restricted opening achieved to each window size / type accordingly, in conjunction with the overall ventilation strategy to MBE Engineer's details and specification.

Background Ventilation:

Not applicable. MWHF system to MBE Engineer's details.

Acoustics:

Reference to be made to Noise Level LLP Acoustic Report.

The front (North and West Facing) elevations face directly onto a busy ring road.

The rear (South and East Facing) elevations face onto a relatively quiet private road.

Type A Glazing: 348h Rw + Ctr
Type B Glazing: 278h Rw + Ctr

Thermal

Thermal properties (unless advised otherwise by the MBE consultant) will be in line with those stated in Approved Document Part L1b (reference to be made to DLA drawing 2018-051 / 0290 for Thermal Extents Plans).

New Extension

* Windows > 1.80m (Rw value > 44) *

Existing Building

* Doors > 1.80m (Rw value > 44) *

* Windows > 1.80m (Rw value > 44) *

The manufacturer is to provide project specific calculations to confirm that their proposals achieve these requirements.

* = Glazing to be 'low iron' specification. Provide sample for approval.

Wind Loading

To be advised by the Structural Engineer (Dulley).

External Door Schedule

Door Reference	Type	S/O : Height x Width	Cill height above FFL	Head to above FFL	Acoustic Rating
D-EX-B-01	A	2400x1600mm *	-	2400mm	-
D-EX-O-01	B	3015x1900mm *	-	3015mm	-
D-EX-O-02	C	3015x2450mm *	-	3015mm	-
D-EX-O-03	D	2050x2338mm	350mm	2400mm	B
D-EX-O-04	E	2050x6680mm	350mm	2400mm	B
D-EX-O-05	D	2050x2338mm	350mm	2400mm	B

Notes

* Denotes window in existing opening. Site measure to be undertaken.

Window Reference	Type	S/O : Height x Width	Cill height above FFL	Head to above FFL	Acoustic Rating	Notes
W-0-01	A	2345x1850mm *	800mm	3145mm	A	Arched window head; PAS 24 to GF. Timber architrave / shutters retained.
W-0-02	A	2345x1850mm *	800mm	3145mm	A	Arched window head; PAS 24 to GF. Timber architrave / shutters retained.
W-0-03	A	2345x1850mm *	800mm	3145mm	A	Arched window head; PAS 24 to GF. Timber architrave / shutters retained.
W-0-04	A	2345x1850mm *	800mm	3145mm	A	Arched window head; PAS 24 to GF. Timber architrave / shutters retained.
W-0-05	A	2330x1550mm *	815mm	3145mm	A	Arched window head; PAS 24 to GF. Timber architrave / shutters retained.
W-0-06	A	2330x1550mm *	815mm	3145mm	A	Arched window head; PAS 24 to GF. Timber architrave / shutters retained.
W-0-07	A	2330x1550mm *	815mm	3145mm	A	Arched window head; PAS 24 to GF. Timber architrave / shutters retained.
W-0-08	A	2330x1550mm *	815mm	3145mm	A	Arched window head; PAS 24 to GF. Timber architrave / shutters retained.
W-0-09	-	-	-	-	-	Reference not used, according with numbering from Woodhall condition report.
W-0-10	B	3110x1550mm *	35mm	3145mm	-	Arched window head; PAS 24 to GF. Break out stone cill below.
W-0-11	B	3110x1550mm *	35mm	3145mm	-	Arched window head; PAS 24 to GF. Break out stone cill below. Privacy glass.
W-0-12	B	3110x1550mm *	35mm	3145mm	-	Arched window head; PAS 24 to GF. Break out stone cill below. Guarding load (out to in).
W-0-13	B	3110x1550mm *	35mm	3145mm	-	Arched window head; PAS 24 to GF. Break out stone cill below. Guarding load (out to in).
W-0-14	-	-	-	-	-	Reference not used, according with numbering from Woodhall condition report.
W-0-15	A	2000x1750mm *	875mm	3175mm	A	Arched window head; PAS 24 to GF. Break out stone for form window opening.
W-0-16	A	2000x1750mm *	875mm	3175mm	A	Arched window head; PAS 24 to GF. Break out stone for form window opening.
W-0-17	A	2285x1200mm *	875mm	3160mm	-	Arched window head; PAS 24 to GF.
W-0-18	A	2285x1200mm *	875mm	3160mm	-	Arched window head; PAS 24 to GF.
W-0-19	-	-	-	-	-	Reference not used, according with numbering from Woodhall condition report.
W-0-20	A	2285x1800mm *	875mm	3160mm	-	Arched window head; PAS 24 to GF.
W-0-21	A	2285x1200mm *	875mm	3160mm	-	Arched window head; PAS 24 to GF.
W-0-22	A	2285x1850mm *	875mm	3160mm	-	Arched window head; PAS 24 to GF.
W-0-23	A	2285x1850mm *	875mm	3160mm	-	Arched window head; PAS 24 to GF.
W-1-01	C	2095x1600mm *	670mm	2765mm	A	Ensure min 800mm to window cill for guarding.
W-1-02	C	2095x1600mm *	670mm	2765mm	A	Ensure min 800mm to window cill for guarding.
W-1-03	C	2095x1600mm *	670mm	2765mm	A	Ensure min 800mm to window cill for guarding.
W-1-04	C	2095x1600mm *	670mm	2765mm	A	Ensure min 800mm to window cill for guarding.
W-1-05	C	2095x1600mm *	670mm	2765mm	A	Ensure min 800mm to window cill for guarding.
W-1-06	C	2095x1600mm *	670mm	2765mm	A	Ensure min 800mm to window cill for guarding.
W-1-07	C	2095x1600mm *	670mm	2765mm	A	Ensure min 800mm to window cill for guarding.
W-1-08	C	2095x1600mm *	670mm	2765mm	A	Ensure min 800mm to window cill for guarding.
W-1-09	C	2070x1750mm *	670mm	2745mm	A	Curved window (outside radius - min 1800). Ensure min 800mm to window cill for guarding.
W-1-10	C	2065x1650mm *	670mm	2745mm	A	Ensure min 800mm to window cill for guarding.
W-1-11	C	2065x1650mm *	670mm	2755mm	A	Ensure min 800mm to window cill for guarding.
W-1-12	C	2085x1600mm *	670mm	2755mm	A	Ensure min 800mm to window cill for guarding.
W-1-13	C	2085x1600mm *	670mm	2755mm	A	Ensure min 800mm to window cill for guarding.
W-1-14	C	2085x1600mm *	670mm	2755mm	B	Ensure min 800mm to window cill for guarding.
W-1-15	C	2145x1800mm *	670mm	2815mm	B	Ensure min 800mm to window cill for guarding.
W-1-16	C	2145x1800mm *	670mm	2815mm	B	Ensure min 800mm to window cill for guarding.
W-1-17	C	2145x1800mm *	670mm	2815mm	B	Ensure min 800mm to window cill for guarding.
W-1-18	C	2145x1800mm *	670mm	2815mm	B	Ensure min 800mm to window cill for guarding.
W-1-19	C	2145x1800mm *	670mm	2815mm	B	Ensure min 800mm to window cill for guarding.
W-1-20	C	2145x1800mm *	670mm	2815mm	B	Ensure min 800mm to window cill for guarding.
W-1-21	C	2145x1800mm *	670mm	2815mm	B	Ensure min 800mm to window cill for guarding.
W-1-22	C	2145x1800mm *	670mm	2815mm	B	Ensure min 800mm to window cill for guarding. Privacy glass.
W-1-23	C	2145x1800mm *	670mm	2815mm	B	Ensure min 800mm to window cill for guarding.
W-1-24	D	1900x800mm	800mm	2700mm	B	Form new window opening.
W-1-25	D	1900x800mm	800mm	2700mm	B	Form new window opening.
W-1-26	E	1900x1040mm	630mm	2675mm	B	Form new window opening. Feature 'copper' surround as DLA drawing 2018-051 / 0305.
W-2-01	F	2065x1650mm *	620mm	2685mm	A	Guarding load (in to out).
W-2-02	F	2065x1650mm *	620mm	2685mm	A	Guarding load (in to out).
W-2-03	F	2065x1650mm *	620mm	2685mm	A	Guarding load (in to out).
W-2-04	F	2065x1650mm *	620mm	2685mm	A	Guarding load (in to out).
W-2-05	F	2065x1650mm *	620mm	2685mm	A	Guarding load (in to out).
W-2-06	F	2065x1650mm *	620mm	2685mm	A	Guarding load (in to out).
W-2-07	F	2065x1650mm *	620mm	2685mm	A	Guarding load (in to out).
W-2-08	F	2065x1650mm *	620mm	2685mm	A	Guarding load (in to out).
W-2-09	F	2055x1650mm *	620mm	2675mm	A	Curved window (outside radius - min 1800). Guarding load (in to out).
W-2-10	F	2055x1650mm *	620mm	2675mm	A	Guarding load (in to out).
W-2-11	F	2055x1650mm *	620mm	2675mm	A	Guarding load (in to out).
W-2-12	F	2025x1650mm *	620mm	2645mm	A	Guarding load (in to out).
W-2-13	F	2025x1650mm *	620mm	2645mm	A	Guarding load (in to out).
W-2-14	F	2025x1650mm *	620mm	2645mm	B	Guarding load (in to out).
W-2-15	F	2095x1650mm *	650mm	2700mm	B	Guarding load (in to out).
W-2-16	F	2095x1850mm *	650mm	2700mm	B	Guarding load (in to out).
W-2-17	F	2095x1850mm *	650mm	2700mm	B	Guarding load (in to out).
W-2-18	F	2095x1850mm *	650mm	2700mm	B	Guarding load (in to out).
W-2-19	F	2095x1850mm *	650mm	2700mm	B	Guarding load (in to out).
W-2-20	F	2095x1850mm *	650mm	2700mm	B	Guarding load (in to out).
W-2-21	F	2095x1850mm *	650mm	2700mm	B	Guarding load (in to out).
W-2-22	F	2095x1850mm *	650mm	2700mm	B	Guarding load (in to out). Privacy glass.
W-2-23	F	2095x1850mm *	650mm	2700mm	B	Guarding load (in to out).
W-2-24	D	1900x800mm	800mm	2700mm	B	Form new window opening.
W-2-25	D	1900x800mm	800mm	2700mm	B	Form new window opening.
W-2-26	-	-	-	-	-	W-1-26 spans Levels 1-2.
W-3-01	G	1885x1600mm *	170mm	2055mm	A	Arched window head; Guarding load (in to out).
W-3-02	G	1885x1600mm *	170mm	2055mm	A	Arched window head; Guarding load (in to out).
W-3-03	G	1885x1600mm *	170mm	2055mm	A	Arched window head; Guarding load (in to out).
W-3-04	G	1885x1600mm *	170mm	2055mm	A	Arched window head; Guarding load (in to out).
W-3-05	G	1870x1600mm *	170mm	2040mm	A	Arched window head; Guarding load (in to out).
W-3-06	G	1870x1600mm *	170mm	2040mm	A	Arched window head; Guarding load (in to out).
W-3-07	G	1870x1600mm *	170mm	2040mm	A	Arched window head; Guarding load (in to out).
W-3-08	G	1870x1600mm *	170mm	2040mm	A	Arched window head; Guarding load (in to out).
W-3-09	G	1855x1600mm *	170mm	2025mm	A	Curved window (outside radius - min 1800). Arched window head; Guarding load (in to out).
W-3-10	G	1855x1600mm *	170mm	2025mm	A	Arched window head; Guarding load (in to out). Privacy glass.
W-3-11	G	1855x1600mm *	170mm	2025mm	A	Arched window head; Guarding load (in to out).
W-3-12	G	1875x1600mm *	170mm	2045mm	A	Arched window head; Guarding load (in to out).
W-3-13	G	1875x1600mm *	170mm	2045mm	A	Arched window head; Guarding load (in to out).
W-3-14	G	1875x1600mm *	170mm	2045mm	A	Arched window head; Guarding load (in to out).
W-3-15	G	1915x1800mm *	170mm	2085mm	A	Arched window head; Guarding load (in to out).
W-3-16	G	1915x1800mm *	170mm	2085mm	A	Arched window head; Guarding load (in to out).
W-3-17	G	1915x1800mm *	170mm	2085mm	B	Arched window head; Guarding load (in to out).
W-3-18	G	1915x1800mm *	170mm	2085mm	B	Arched window head; Guarding load (in to out).
W-3-19	G	1915x1800mm *	170mm	2085mm	B	Arched window head; Guarding load (in to out).
W-3-20	G	1915x1800mm *	170mm	2085mm	B	Arched window head; Guarding load (in to out).
W-3-21	G	1915x1800mm *	170mm	2085mm	B	Arched window head; Guarding load (in to out).
W-3-22	G	1915x1800mm *	170mm	2085mm	B	Arched window head; Guarding load (in to out).
W-3-23	G	1915x1800mm *	170mm	2085mm	B	Arched window head; Guarding load (in to out).
W-3-24	H	2030x1575mm *	880mm	2910mm	B	-
W-3-25	H	2030x1575mm *	880mm	2910mm	B	-
W-3-26	J	2030x1580mm *	880mm	2890mm	B	-
W-3-27	H	2030x1575mm *	845mm	2875mm	B	-
W-3-28	K	1980x1575mm *	900mm	2880mm	B	Cill detail to be agreed (currently in loc, with reduced window height).
W-3-29	K	1980x1575mm *	900mm	2880mm	B	Cill detail to be agreed (currently in loc, with reduced window height).
W-3-30	K	1980x1575mm *	900mm	2880mm	B	Cill detail to be agreed (currently in loc, with reduced window height).
W-4-01	L	2230x1400mm	700mm	2000mm	A	Centre pivot rooflight, with integral blind. Fixed spandrel panel above. 100mm restrictor.
W-4-02	L	2230x1400mm	700mm	2000mm	A	Centre pivot rooflight, with integral blind. Fixed spandrel panel above. 100mm restrictor.
W-4-03	L	2230x1400mm	700mm	2000mm	A	Centre pivot rooflight, with integral blind. Fixed spandrel panel above. 100mm restrictor.
W-4-04	L	2230x1400mm	700mm	2000mm	A	Centre pivot rooflight, with integral blind. Fixed spandrel panel above. 100mm restrictor.
W-4-05	L	2230x1400mm	700mm	2000mm	A	Centre pivot rooflight, with integral blind. Fixed spandrel panel above. 100mm restrictor.
W-4-06	L	2230x1400mm	700mm	2000mm	A	Centre pivot rooflight, with integral blind. Fixed spandrel panel above. 100mm restrictor.
W-4-07	L	2230x1400mm	700mm	2000mm	A	Centre pivot rooflight, with integral blind. Fixed spandrel panel above. 100mm restrictor.
W-4-08	L	2230x1400mm	700mm	2000mm	A	Centre pivot rooflight, with integral blind. Fixed spandrel panel above. 100mm restrictor.
W-4-09	L	2230x1400mm	700mm	2000mm	A	Centre pivot rooflight, with integral blind. Fixed spandrel panel above. 100mm restrictor.
W-4-10	L	2230x1400mm	700mm	2000mm	A	Centre pivot rooflight, with integral blind. Fixed spandrel panel above. 100mm restrictor.
W-4-11	L	2230x1400mm	700mm	2000mm	A	Centre pivot rooflight, with integral blind. Fixed spandrel panel above. 100mm restrictor.
W-4-12	L	2230x1400mm	700mm	2000mm	A	Centre pivot rooflight, with integral blind. Fixed spandrel panel above. 100mm restrictor.
W-4-13	L	2230x1400mm	700mm	2000mm	A	Centre pivot rooflight, with integral blind. Fixed spandrel panel above. 100mm restrictor.
W-4-14	L	2230x1400mm	700mm	2000mm	A	Centre pivot rooflight, with integral blind. Fixed spandrel panel above. 100mm restrictor.
W-4-15	L	2230x1400mm	700mm	2000mm	A	Centre pivot rooflight, with integral blind. Fixed spandrel panel above. 100mm restrictor.
W-4-16	L	2230x1400mm	700mm	2000mm	A	Centre pivot rooflight, with integral blind. Fixed spandrel panel above. 100