



Upper Campfield

Liverpool Road, Manchester, M3 4NN

Listed Building Consent ref: 138346/LO/2023

Condition 07

Issue 02 – 24/02/2025

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architects

Listed Building Consent

Condition 07

Prior to the installation of the new glazed doors (south), window (Liverpool Road) and Doors (north), a detailed method statement, specification and sections for the works shall be submitted for approval in writing by the City Council, as Local Planning Authority. This should also include any removal, alteration and repair of the historic fabric.

Information provided:

- 01** TJM Method statements
- 02** Demolition elevation drawings
- 03** Proposed elevation drawings
- 04** Proposed window and door details
- 05** Existing photos
- 06** Aluminium window and door specification and sections
- 07** Steel door specification and sections

01 TJM Method statements

TJM method statement - installation of new windows

TJM method statement - installation of new doors

Method Statement for the installation of new Windows to South Elevation- To discharge planning condition 7



The new windows are to be installed to the South elevation, in the position of the existing cladding panels.

The existing wall fabric where the new window cut outs are being created are constructed with a timber frame with corrugated cladding panels on the interior and exterior.

To install the new windows, we propose to carry out the works in accordance with the following method and drawings provided by the architect and structural engineer



On arrival to site, Supervisor/Manager must ensure the works vehicles are parked in a safe place which will not potentially cause a hazard to other public vehicular traffic or pedestrians. This must consider the fact that materials, tools and equipment will need to be unloaded from the van, possibly at regular intervals.

Prior to unloading the operative will establish and agree a safe area in which to store materials, tools and equipment with the Site Manager/Supervisor and/or the occupier of the premises. This arrangement must leave access and egress routes clear.

1. Carefully inspect the surrounding structure, to ensure that there are no existing services running through or along side the doors or opening.
2. Once the inspection has been complete, rubber mats will be installed internally and externally to ensure debris and heavy items are not dropped onto the external paving slabs or internal concrete slab.
3. The internal cladding sheets will be removed and safely kept to one side allowing them to be re fit if required.
4. The bay will be pencil marked and checked to ensure it is the correct bay before any works are carried out, and the cut outs will be accurately located and laser levelled for accuracy.
5. The operatives will carefully check the measurements are correct, so we are able to see where the windows will sit within the existing opening.

6. Once the location is confirmed, the existing 150 x 75mm timber frame will be altered to act as a fixing point for the new windows, the intermediate horizontal timbers will be carefully cut back and removed, with the vertical timbers in the centre being altered with a reduced gap in between to allow the correct structural opening size to be formed.
7. We will then be following the architects detailed drawings to carry out the installation using the structural engineers design for the support.
8. The new external wall build up will be as per the architects drawing, which includes the following from inside out.
 - 12.5mm gypsum soundbloc plasterboard with a skim finish
 - Low density polythene vapour control barrier
 - 150mm rockwool flexi insulation or similar approved
 - 12mm cement bonded particle board
 - Breather membrane sealed over and onto EPDM
 - 120mm rockwool rainscreen due slab
 - 50mm air gap
 - Proposed aluminium cladding system RAL 9076
 - Finish PPC
9. The external cladding sheets will be carefully removed using a drill to remove all screws, the panels will then be made free by carefully moving them by hand left to right for them to come free from the timber stud. Once they have been taken off they will be carefully stored in a safe place in case they are required in the future.
10. The external wall build up as above will then be created, for site security a hoarding will have to be installed underneath the build up until the windows are manufactured, the hoarding will be built using a timber frame, fixed internally onto the concrete slab and at the head to the new build up
11. Once the new windows have been accurately measured and manufactured, the install will commence.
12. The external cladding sheets will then be set to one side, leaving the structural opening in place ready for install.
13. We will then fix the windows to the new openings. Fixings as per the specialists input allowing a secure fix which will be concealed once the window has been glazed. The window frame will have a toughened aluminium cill with a WBP plywood base lining, the projection will be in line with the edge of the cladding.
14. Once the window frames are secured and fixed in place, each frame will be glazed with beadings to match the black finish. The glass will be security SDB/PAS24, and a U value of 1.4W/m2K
15. The windows will then be wiped down and mastic sealant will be applied around the abutment of the frame and the existing opening to deter against any water ingress.

Enclosures

Please refer to the following documents, containing the drawings and literature referred to in this method statement.

- Internal View
- External as existing
- 275790 Com7Pi CD CERTIFICATE C1117b-01

- ADC Position Drawing - Upper Campfield from 05_08_2024
- 0798-P3A-XX-X-DR-A-03201_ Demolition Elevations South Elevaion, Liverpool Road
Rev.C01 (1)
- 0798-P3A-XX-XX-DR-A-04201_ Proposed Elevations South Elevation, Liverpool Road (E1)
Rev.C03
- 0798-P3A-XX-XX-DR-A-31006-C01

Method Statement for the installation of new doors (ED.00.02 + ED.00.05)- To discharge planning condition 7



This method statement is written in line with the requirements of LBC condition 7

The new glazed main entrance doors will be installed to the exiting openings located on Liverpool Road and Tonman street.

The existing openings are currently constructed with a fabricated metal frame and have large double doors which are swung to open internally. Please see images below which show the existing doors.



The existing doors have large brackets bolted onto the existing door leaves which are then hinged onto the metal frame.

To install the new external door set, and wall infill above we propose to carry out the works in accordance with the following method:

1. Carefully inspect the surrounding structure, to ensure that there are no existing services running through or alongside the doors or opening.
2. Once the opening and doors have been cleared of any services, operatives will brace the doors using the telehandler and slings to allow the weight to be taken whilst the doors are dismantled and removed from the opening.
3. The doors will then be unscrewed, and the bolts will be removed to allow the doors to come free from their hinges and allow them to be safely lowered to ground level. This alteration is stated in LBC condition 7
4. Now the doors have been removed, the metal frame will need to be removed from the steel frame by carefully using an angle grinder in accordance with TJM hot works

regulations to remove the fixing points where it is connected. The metal frame will then be cut into smaller sections and disposed of from site.

5. We will then be following the architects detailed drawings to carry out the installation process of the new SFS system and wall infill, starting by installing the cladding support which will be an SFS system fixed into the existing timber framework with internal dry lining finish with pattressing, fullfill mineral wool insulation and external grade sheathing board with adequate finish to hold external cladding to match existing and illuminated signage fixed to the face.
6. The external face build up will achieve a U value of 0.26 W/m²K, as this is an alteration LBC condition 7 applies, with a build up from inside out of:
 - 2x 12.5mm Soundbloc plasterboards with a skim finish
 - Low density polyethylene vapour control barrier
 - Sheathing board with studs (A1 fire rating)
 - SFS system as above
 - Rokwool stud infill
 - 12mm cement board
 - Breather membrane where relevant
 - 120mm rockwool rainscreen duoslab
 - 50mm ventilation air gap
 - Aluminium cladding system to match the existing building fabric with the same colour matched RAL number
 - Cladding on aluminium support bar and bracket system
 - Cavity closers and fire barriers where relevant.
7. The door system which will be installed, will be a slimline frame with double glazed door, side and top fixed glazed panels. They will be inwards opening and will have their own detailed design provided by the door specialist.
8. The door will include access control, and the ironmongery will be provided by specialist as per the HART specification.
9. The door will then be commissioned, and mastic pointed where necessary with carefully selected colour to match in with the RAL chosen.
10. Once work has been completed the area will be cleaned down and the floor swept.
11. With the new doors installed to Liverpool and Tonman St it will ensure the grand look from the main roads with the panels above still being in keeping with the existing cladding. With the integrated ventilation openings, like the louvres will improve air flow efficiency whilst keeping blended look to the building from the external and internal face. The panels will be sprayed to match the RAL of the existing cladding and the doors will be a black to ensure they do not look out of place within.

Enclosures

Please refer to the following documents, containing the drawings and literature referred to in this method statement.

- 0798-P3A-XX-XX-DR-A-04201-C03
- 0798-P3A-XX-XX-DR-A-04203-C03
- 0798-P3A-XX-XX-DR-A-31003-C01
- 0798-P3A-XX-XX-DR-A-31004_ External doors Rear Entrance Rev.C01 (1)
- ADC Position Drawing - Upper Campfield from 05_08_2024

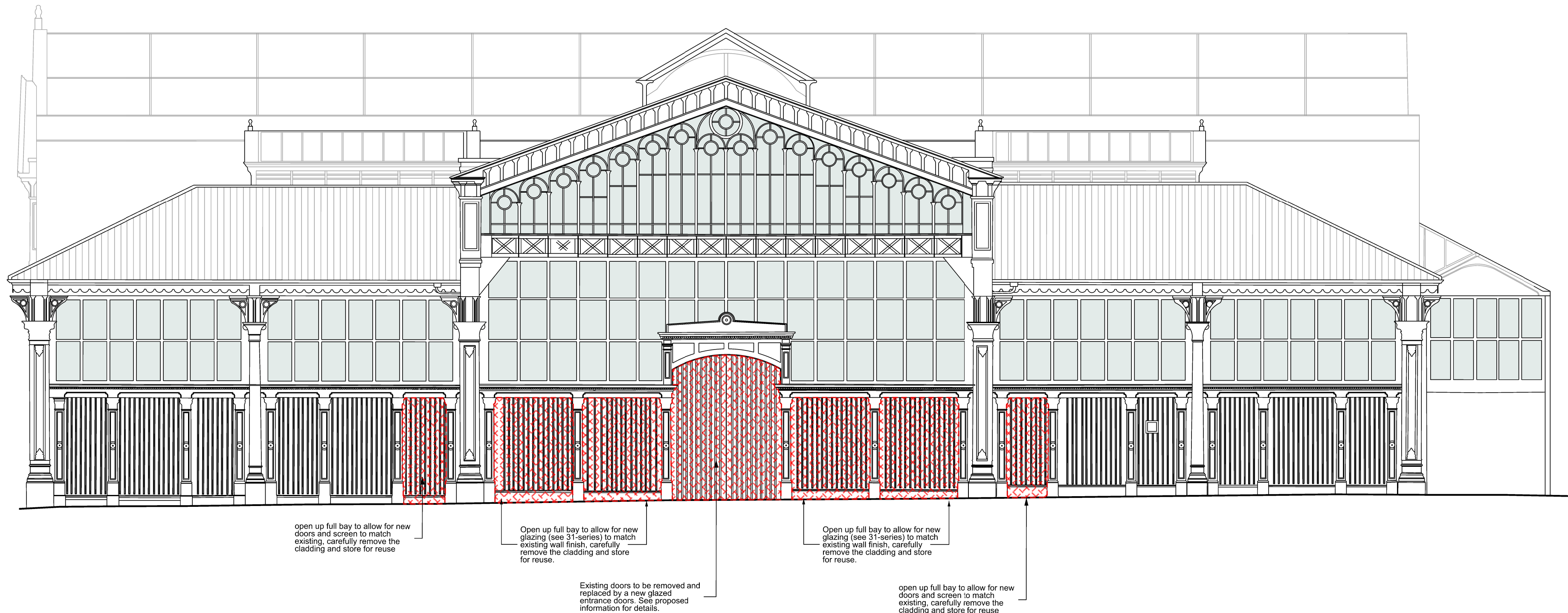
- 275790 Com7Pi CD CERTIFICATE C1117b-01
- Comar-7P.i-CD-01.14
- IKL50 PAS24 Louvre - i1
- Open Doors
- Open Doors 2
- Door Hinges
- View-3_4_1_email
- 300mm back to back pull handles
- ASEC_Concealed_Door_Loop
- Closer Installation Instructions
- Closer Speed & Power Adjustment
- Escutcheon - Security Datasheet
- mico-tower-bolts-brochure
- Motorised Multipoint Nightlatch Wiring
- QAM 1076 Metador Defender Safeguard Datasheet
- QAM 1087 Metador Defender PASGuard Datasheet Rev 1

02 Demolition elevation drawings

0798-P3A-XX-X-DR-A-03201-C01 - Demolition Elevations, South Elevation, Liverpool Road

0798-P3A-XX-X-DR-A-03202-C01 - Demolition Elevations, West Elevation, Barton Street

0798-P3A-XX-X-DR-A-03203-C01 - Demolition Elevations, North Elevation, Tonman Street



NOTES:

- These are Design Intent drawings only.
- All to be in line with British Standards, other relevant standards and Building Regulations.
- All to be in line with fire, acoustic, structural and any other relevant project specific requirements.
- Adjoining existing areas or disrupted areas to be patched and repaired as adjacent areas suitable for proposed finish.
- The contractor shall not consider demolition and alteration notes to be all-inclusive. It is the contractors responsibility to inspect and assess each area and fulfill the design intent.
- The contractor shall review all items to be demolished with the Architect to identify any items or accessories to be stored / reused.
- The contractor is to provide a method statement for SE approval.
- The contractor is to provide a method statement for ME approval.
- The contractor shall verify all conditions and dimensions within the identified areas, and notify the Architect immediately in writing of any diviation necessitated by on site conditions or items not covered.
- Please note any findings of Asbestos survey. Unless stated otherwise all existing services are to be removed back to incoming mains position.
- All fixtures and fittings on walls to be demolished and terminated as MEP requirements.
- Refer to structural drawings for any structure to be retained.
- Wall types to be removed are subject to intrusive survey by the contractor or others.
- Demolition contractor to undertake demolition works in a sensitive manner ensuring no damage to the retained building fabric.
- Ensure adequate protection is in place along with an approve method statement to undertake and protect the works.
- Demolition methodology to be issued to the Design Team for comment ahead of any works being undertaken.
- This drawing is to be read in conjunction MEP Engineer's and Structural Engineer's demolition drawings.
- This drawing is to be read in conjunction Fire Engineer's demolition drawings.
- All drawings subject to Building Control Approval.

KEY:

-  Demolition extent including all walls, doors, windows and casework etc.

NB:

For demolition plan refer to drawing 0798-P3A-XX-XX-DR-A-03001.

UPPER CAMPFIELD
Demolition Elevations - South Elevation, Liverpool Road (E1)

Notes:
Do not scale from this drawing.
All dimensions are in millimetres unless otherwise noted.
All dimensions to be checked on site before proceeding with work.
All omissions and discrepancies to be reported in writing to Project 3 Architects Ltd.
Areas indicated on this drawing are approximate and indicative only.
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Rev:	Date:	Description:	By:
C01	28/06/24	Construction Issue	CS



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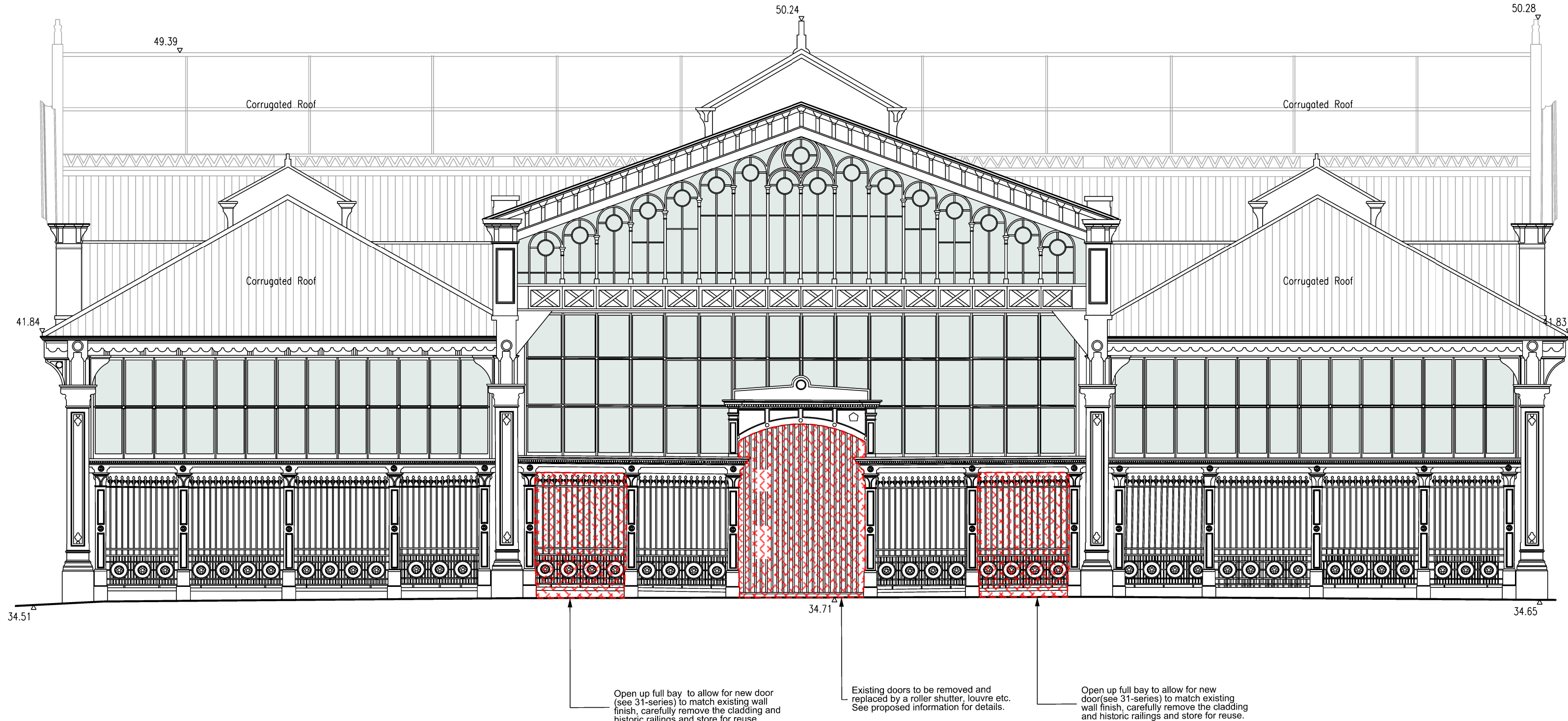
Title:
Demolition Elevations
South Elevation, Liverpool Road (E1)

Status:
CONSTRUCTION

Scale @ ISO A1:
1:100

Drawing Number:
0798-P3A-XX-X-DR-A-03201

Revision:
C01



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KEY:

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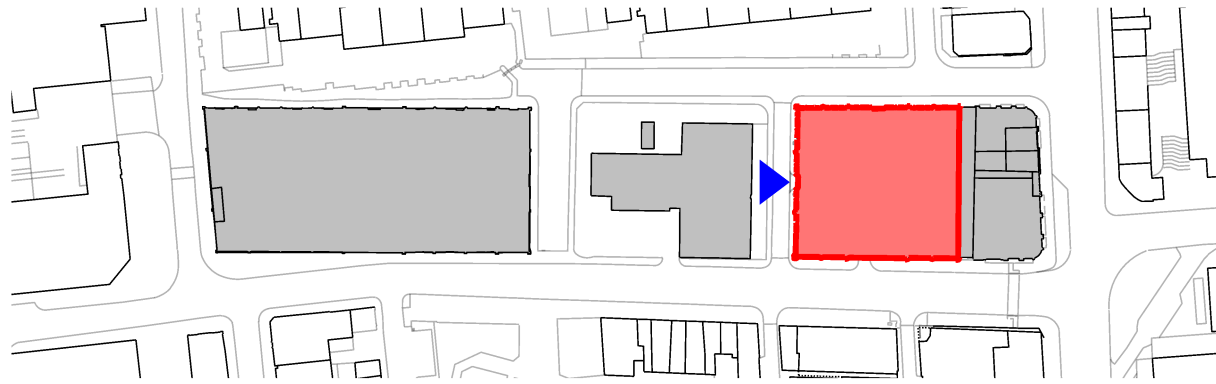
NB:

For demolition plan refer to drawing 0798-P3A-XX-XX-DR-A-03001.

**UPPER CAMPFIELD
Demolition Elevations - West Elevation, Barton Street (E2)**

Notes:
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C01	28/06/24	Construction Issue	CS



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Project:
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Liverpool Road, Manchester

Title:
Demolition Elevations
West Elevation, Barton Street (E2)

Status: Scale @ ISO A1:

CONSTRUCTION

Drawing Number:

0798-P3A-XX-X-DR-A-03202

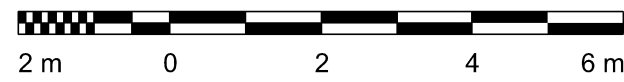
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Revision:

C01

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Status: CONSTRUCTION Scale @ ISO A1: 1:100
Drawing Number: 0798-P3A-XX-X-DR-A-03203 Revision: C01

All drawings subject to Building Control Approval.

 Demolition extent including all walls, doors, windows and casework etc.

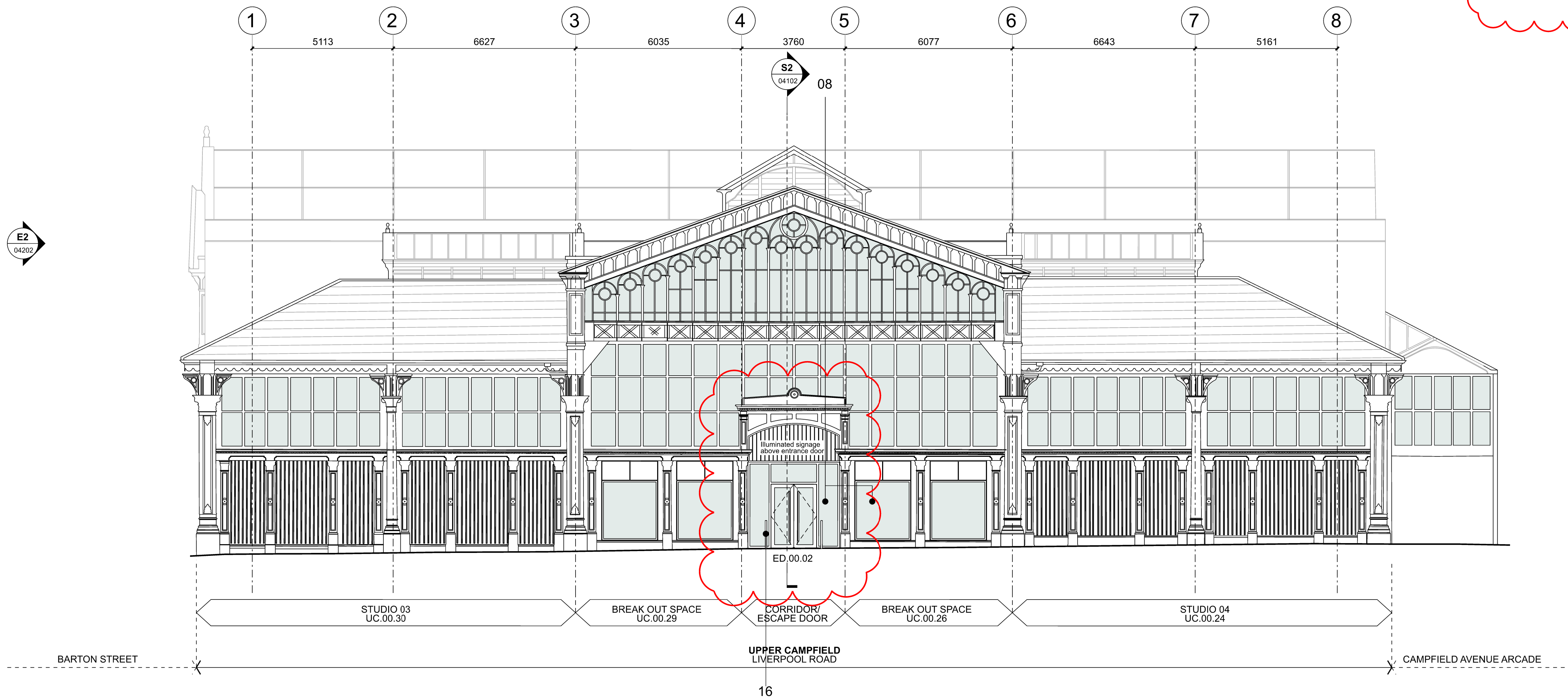
For demolition plan refer to drawing
0798-P3A-XX-XX-DR-A-03001.

03 Proposed elevation drawings

0798-P3A-XX-XX-DR-A-04201-C04 - Proposed Elevations, South Elevation, Liverpool Road

0798-P3A-XX-XX-DR-A-04202-C04 - Proposed Elevations, West Elevation, Barton Street

0798-P3A-XX-XX-DR-A-04203-C05 - Proposed Elevations, North Elevation, Tonman Street



LEGEND

08	Proposed glazed entrance door and glazed side panels, refer to (31) series for further details
09	New corrugated metal cladding above / around new doors openings, to match existing
10	Proposed roller shutter, black to match corrugated cladding, refer to (31) series for further details
11	Proposed louvers, black to match cladding, Refer to (30) series for further details
12	Proposed solid door, black to match cladding, refer to (31) series for further details
14	Illuminated signage above main entrance door; design intent by Allied London
15	New solid door, clad in corrugated metal to match the existing cladding, black finish, refer to (31) series for further details.
16	Guarding to outward opening doors. Refer to HART FF&E Schedule (UC-sFFE, item ref MI-04) for further details.

NOTES:

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Refer to structural drawings for any structure to be retained.

Wall types to be removed are subject to intrusive survey by the contractor or others.

This drawing is to be read in conjunction MEP Engineer's and Structural Engineer's demolition drawings.

This drawing is to be read in conjunction Fire Engineer's demolition drawings.

All drawings subject to Building Control Approval.

Drawing References:

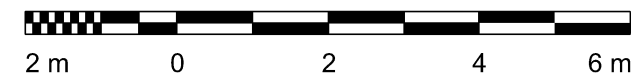
This drawing is to be read in conjunction with the following drawing series:

(00) Series	Site Information
(03) Series	Demolition Drawings
(04) Series	GA Plans, Sections & Elevations
(08) Series	Accommodation Schedule
(09) Series	Acoustic Plans
(12) Series	FS & BR Plans
(20) Series	Mezzanine Deck Details
(22) Series	Internal Partition Details
(23) Series	Internal Glazed Screens and Doors
(24) Series	Stair Details
(26) Series	Feature Studio
(29) Series	Architectural Metalwork Details
(30) Series	External Louvre Details
(31) Series	External Window & Door Details
(32) Series	Internal Door Details

KEY:

UPPER CAMPFIELD Proposed Elevations: South Elevation, Liverpool Road (E1)

Notes:	Rev:	Date:	Description:	By:
Do not scale from this drawing.	C01	28/06/24	Construction Issue	CS
All dimensions are in millimetres unless otherwise noted.	C02	11/07/24	Amended as TJM request	CS
All dimensions to be checked on site before proceeding with work.	C03	23/09/24	VE as clouded	CS
All omissions and discrepancies to be reported in writing to Project 3 Architects Ltd.	C04	10/02/25	General update	CS
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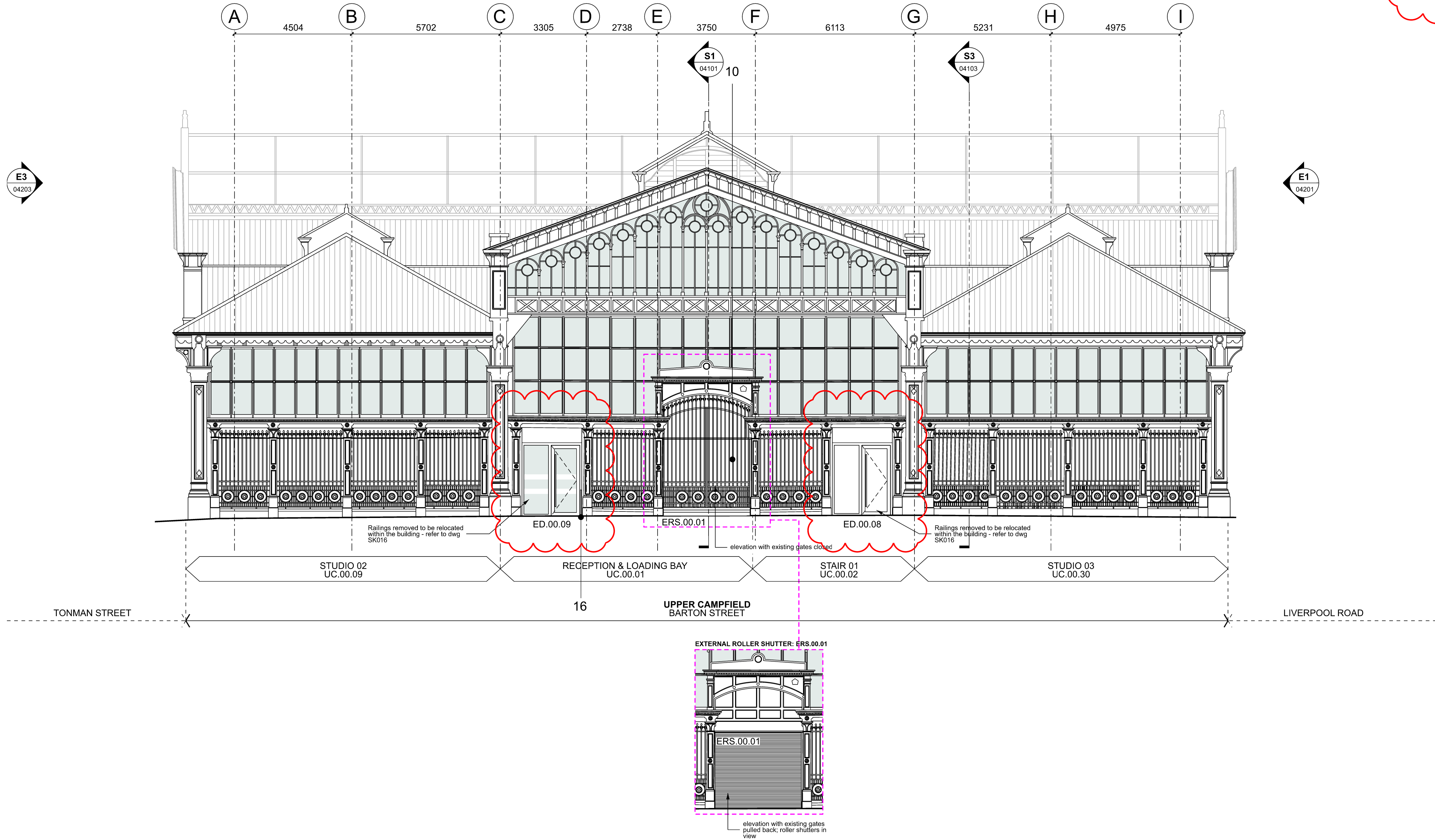
Title:
Proposed Elevations
South Elevation, Liverpool Road (E1)

Status:
CONSTRUCTION

Drawing Number:
0798-P3A-XX-XX-DR-A-04201

Scale @ ISO A1:
1:100

Revision:
C04



LEGEND	
08	Proposed glazed entrance door and glazed side panels, refer to (31) series for further details
09	New corrugated metal cladding above / around new doors openings, to match existing
10	Proposed roller shutter, black to match corrugated cladding, refer to (31) series for further details
11	Proposed louvers, black to match cladding, Refer to (30) series for further details
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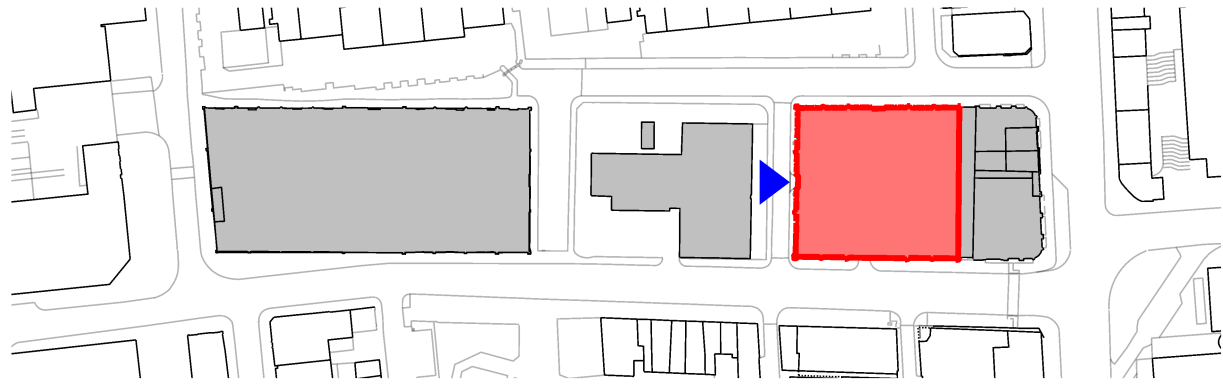
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- All fixtures and fittings on walls to be demolished and terminated as MEP requirements.
- Refer to structural drawings for any structure to be retained.
- Wall types to be removed are subject to intrusive survey by the contractor or others.
- This drawing is to be read in conjunction MEP Engineer's and Structural Engineer's demolition drawings.
- This drawing is to be read in conjunction Fire Engineer's demolition drawings.
- All drawings subject to Building Control Approval.

- Drawing References:**
- This drawing is to be read in conjunction with the following drawing series:
- | | |
|-------------|-----------------------------------|
| (00) Series | Site Information |
| (03) Series | Demolition Drawings |
| (04) Series | GA Plans, Sections & Elevations |
| (08) Series | Accommodation Schedule |
| (09) Series | Acoustic Plans |
| (12) Series | FS & BR Plans |
| (20) Series | Mezzanine Deck Details |
| (22) Series | Internal Partition Details |
| (23) Series | Internal Glazed Screens and Doors |
| (24) Series | Stair Details |
| (26) Series | Feature Studio |
| (29) Series | Architectural Metalwork Details |
| (30) Series | External Louvre Details |
| (31) Series | External Window & Door Details |
| (32) Series | Internal Door Details |

KEY:

UPPER CAMPFIELD Proposed Elevations: West Elevation, Barton Street (E2)

Notes:	Rev:	Date:	Description:	By:
Do not scale from this drawing. All dimensions are in millimetres unless otherwise noted. All dimensions to be checked on site before proceeding with work. All omissions and discrepancies to be reported in writing to Project 3 Architects Ltd. Areas indicated on this drawing are approximate and indicative only. © Project 3 Architects Limited Registered in England & Wales Number 08021795.	C01	28/06/24	Construction Issue	CS
	C02	11/07/24	Amended as TJM request	CS
	C03	23/09/24	VE as clouded	CS
	C04	10/02/25	Amended for planning	CS



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Project:
Upper Campfield
Liverpool Road, Manchester

Title:
Proposed Elevations
West Elevation, Barton Street (E2)

Status:
CONSTRUCTION

Drawing Number:
0798-P3A-XX-XX-DR-A-04202

Scale @ ISO A1:

1:100

Revision:
C04



NOTES:

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Please note any findings of Asbestos survey.

Unless stated otherwise all existing services are to be removed back to incoming mains position.

All fixtures and fittings on walls to be demolished and terminated as MEP requirements.

Refer to structural drawings for any structure to be retained.

Wall types to be removed are subject to intrusive survey by the contractor or others.

This drawing is to be read in conjunction MEP Engineer's and Structural Engineer's demolition drawings.

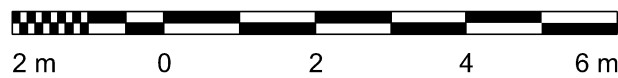
This drawing is to be read in conjunction Fire Engineer's demolition drawings.

All drawings subject to Building Control Approval.

This drawing is to be read in conjunction with the following drawing series:

(00)	Series	Site Information
(03)	Series	Demolition Drawings
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(24)	Series	Stair Details
(26)	Series	Feature Studio
(29)	Series	Architectural Metalwork Details
(30)	Series	External Louvre Details
(31)	Series	Internal Window & Door Details
(32)	Series	External Door Details

Notes:	Rev:	Date:	Description:	By:
Do not scale from this drawing.	C01	28/06/24	Construction Issue	CS
All dimensions are in millimetres unless otherwise noted.	C02	11/07/24	Amended as TJM request	CS
All dimensions to be checked on site before proceeding with work.	C03	23/09/24	VE as clouded	CS
All omissions and discrepancies to be reported in writing to Project 3 Architects Ltd.	C04	16/10/24	General update	CS
Areas indicated on this drawing are approximate and indicative only.	C05	10/02/25	General update	CS
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Project:
Upper Campfield
Liverpool Road, Manchester

Title:
Proposed Elevations
North Elevation, Tonman Street (E3)

Status: Scale @ ISO A1: 1:100

CONSTRUCTION

Drawing Number: Revision:
0798-P3A-XX-XX-DR-A-04203 C05

04 Proposed window and door details

Notes:

The panel above door ED.00.02 on Liverpool Road conceals a floor slab behind and is therefore proposed as a solid panel with black corrugated cladding to match existing.

The external signage details are provided under FULL Planning condition 25.

All external doors are fire exit doors and as required under Building Regulations, they are to open outwards in the direction of escape.

All doors except fire exits, that swing onto the footpath by more than 100mm, are required under Building Regulations to have protective barriers installed.

The windows and surrounding cladding on Liverpool Road, are set back so that the outer face sits behind the existing columns and does not project further than existing.

0798-P3A-XX-XX-DR-A-31003-C02 – External Doors, Main Entrance

0798-P3A-XX-XX-DR-A-31004-C03 – External Doors, Rear Entrance

0798-P3A-XX-XX-DR-A-31005-C02 – External Doors, MoE

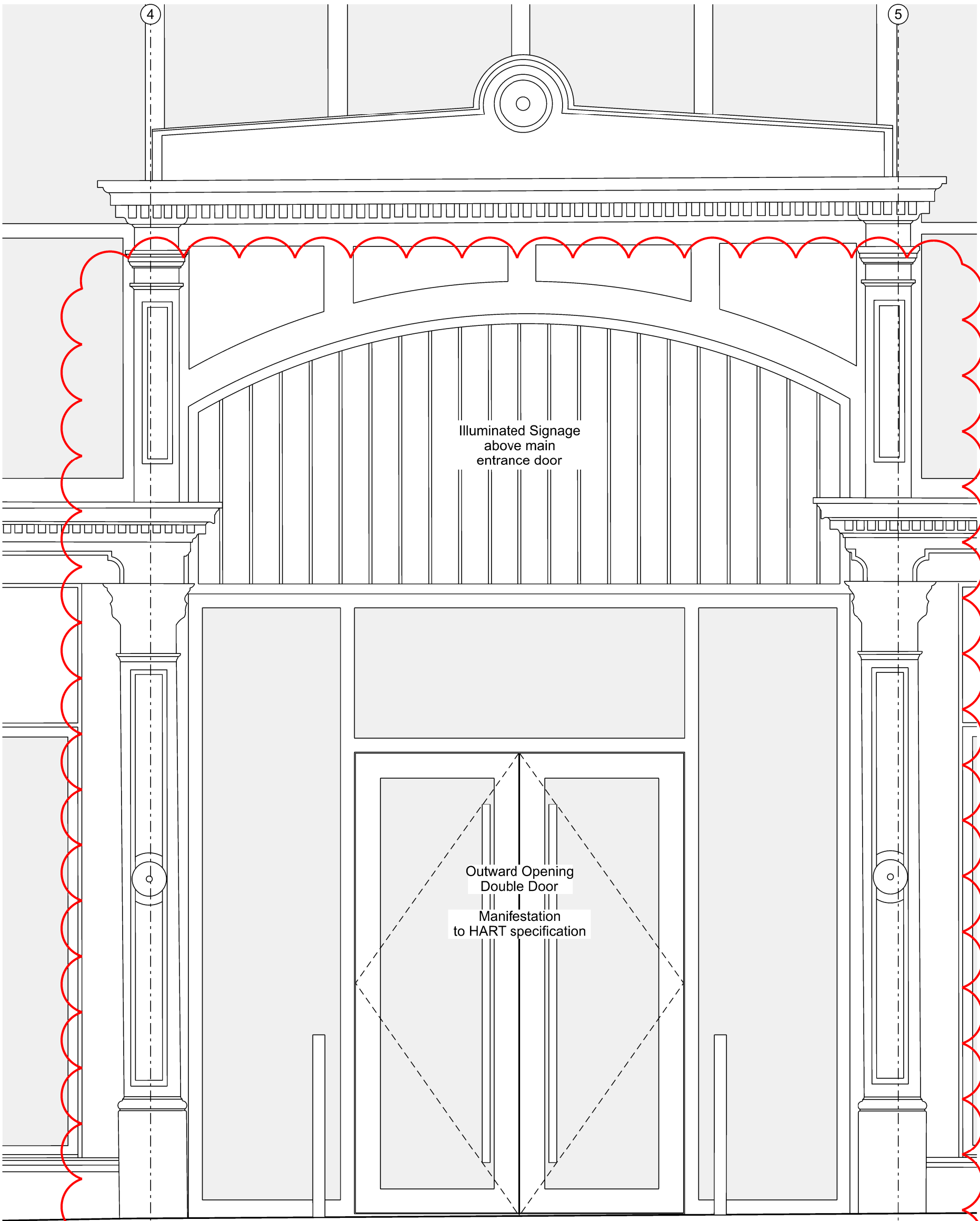
0798-P3A-XX-XX-DR-A-31006-C03 – Windows, Main Entrance

0798-P3A-XX-XX-DR-A-31007-C03 – External Doors, Doors ED.00.08 & ED.00.09

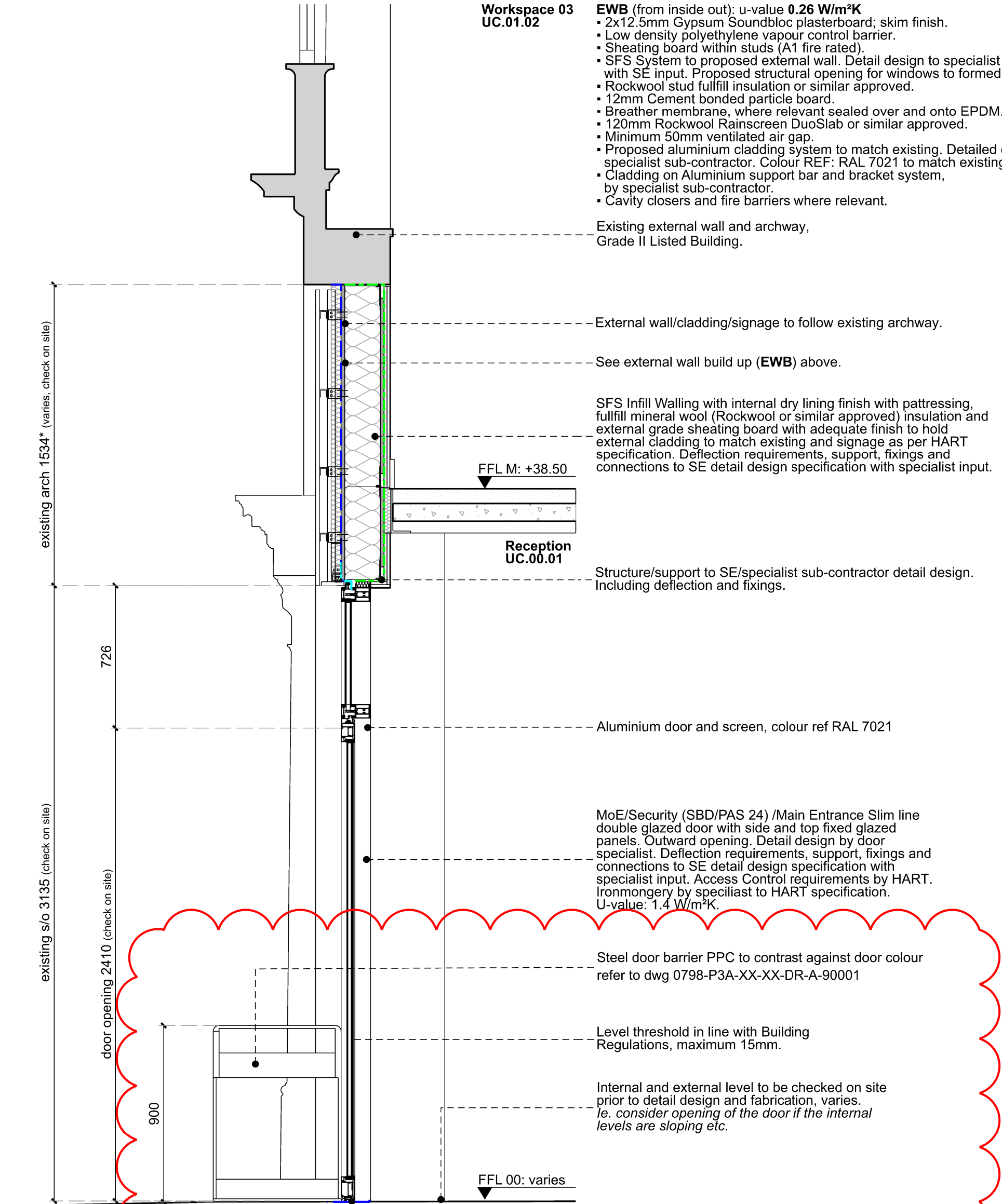
0798-P3A-XX-XX-DR-A-31008-C04 – External Doors, Doors ED.00.10 & ED.00.11

0798-P3A-XX-XX-DR-A-31010-C02 – External Roller Shutter, Loading Bay

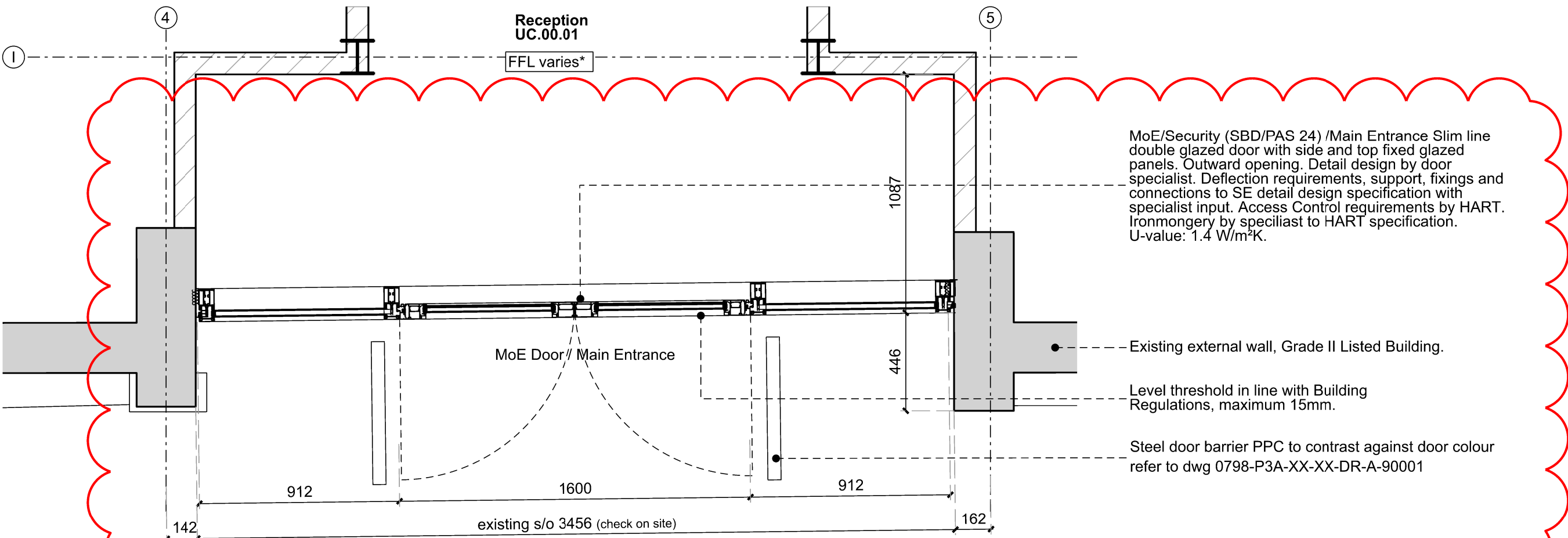
EXTERNAL DOOR: ED.00.02
MAIN ENTRANCE



Proposed Elevation
scale 1:20 @ A1



Proposed Section
scale 1:20 @ A1



Proposed Plan
scale 1:20 @ A1

Workspace 03
UC.01.02

- EWB (from inside out): u-value 0.26 W/m²K.
- 2x12.5mm Gypsum Soundbloc plasterboard; skim finish.
- Low density polyethylene vapour control barrier.
- Sheathing board within studs (A1 fire rated).
- SFS System to proposed external wall. Detail design to specialist contractor with SE input. Proposed structural opening for windows to be formed by SFS.
- Rockwool stud fulfill insulation or similar approved.
- 12mm Cement bonded particle board.
- Breather membrane, where relevant sealed over and onto EPDM.
- 120mm Rockwool Rainscreen DuoSlab or similar approved.
- Minimum 50mm ventilated air gap.
- Proposed aluminium cladding system to match existing. Detailed design to specialist sub-contractor. Colour REF: RAL 7021 to match existing. Finish PPC.
- Cladding on Aluminium support bar and bracket system, by specialist sub-contractor.
- Cavity closers and fire barriers where relevant.

Existing external wall and archway, Grade II Listed Building.

External wall/cladding/signage to follow existing archway.

See external wall build up (EWB) above.

SFS Infill Walling with internal dry lining finish with pattressing, fulfill mineral wool (Rockwool or similar approved) insulation and external grade sheathing board with adequate finish to hold external cladding to match existing and signage as per HART specification. Deflection requirements, support, fixings and connections to SE detail design specification with specialist input.

Structure/support to SE/specialist sub-contractor detail design. Including deflection and fixings.

Aluminium door and screen, colour ref RAL 7021

MoE/Security (SBD/PAS 24) /Main Entrance Slim line double glazed door with side and top fixed glazed panels. Outward opening. Detail design by door specialist. Deflection requirements, support, fixings and connections to SE detail design specification with specialist input. Access Control requirements by HART. Ironmongery by specialist to HART specification. U-value: 1.4 W/m²K.

Steel door barrier PPC to contrast against door colour refer to dwg 0798-P3A-XX-XX-DR-A-90001

Level threshold in line with Building Regulations, maximum 15mm.

Internal and external level to be checked on site prior to detail design and fabrication, varies. i.e. consider opening of the door if the internal levels are sloping etc.

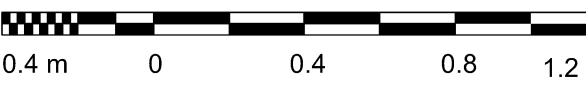
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8. For **Mechanical and Electrical** design intent refer to M&E Engineer information.
9. All finishes to **HART**, client's & fit out contractor.
10. All **dimensions** to be checked on site prior to full design and fabrication.
11. Detail Design by **Specialist** sub-contractor and to manufacturer's recommendations.
12. **Read in conjunction** with other relevant information and packages (see (04)-series for list) and project specific information.
13. Information subject to any design development.
14. **Minimum clear opening** to comply with Fire Strategy and Building Regulations requirements.
15. **Manifestation** of glazed units to fully comply with Building Regulations requirements.
16. **Containment and loadings** to be in line with AD K.
17. Read in conjunction with Planning approved information, Heritage Statement (Grade II Listed Building) etc.
18. Detail design by **specialist sub-contractor**.
19. **Access Control / MoE** by MEP to HART specification.
20. **Security** requirements by HART to be minimum in line with Building Regulations and Fire Strategy requirements.
21. **Ironmongery** requirements to be confirmed by Allied London/HART. To be in line with Heritage / historic buildings requirements.

C02	10/02/25	General update	CS
C01	28/06/24	Construction Issue	JG
Rev:	Date:	Description:	By:



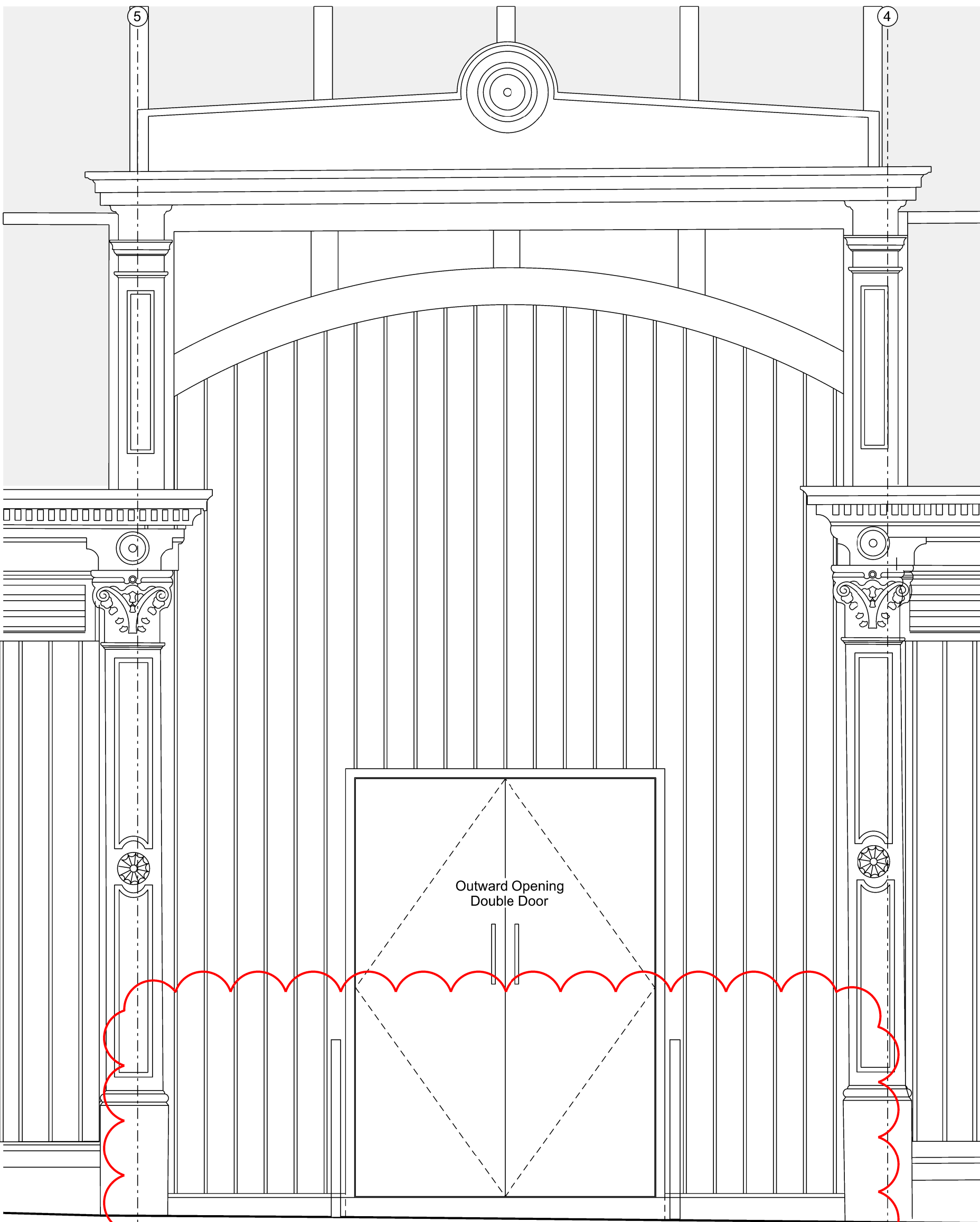
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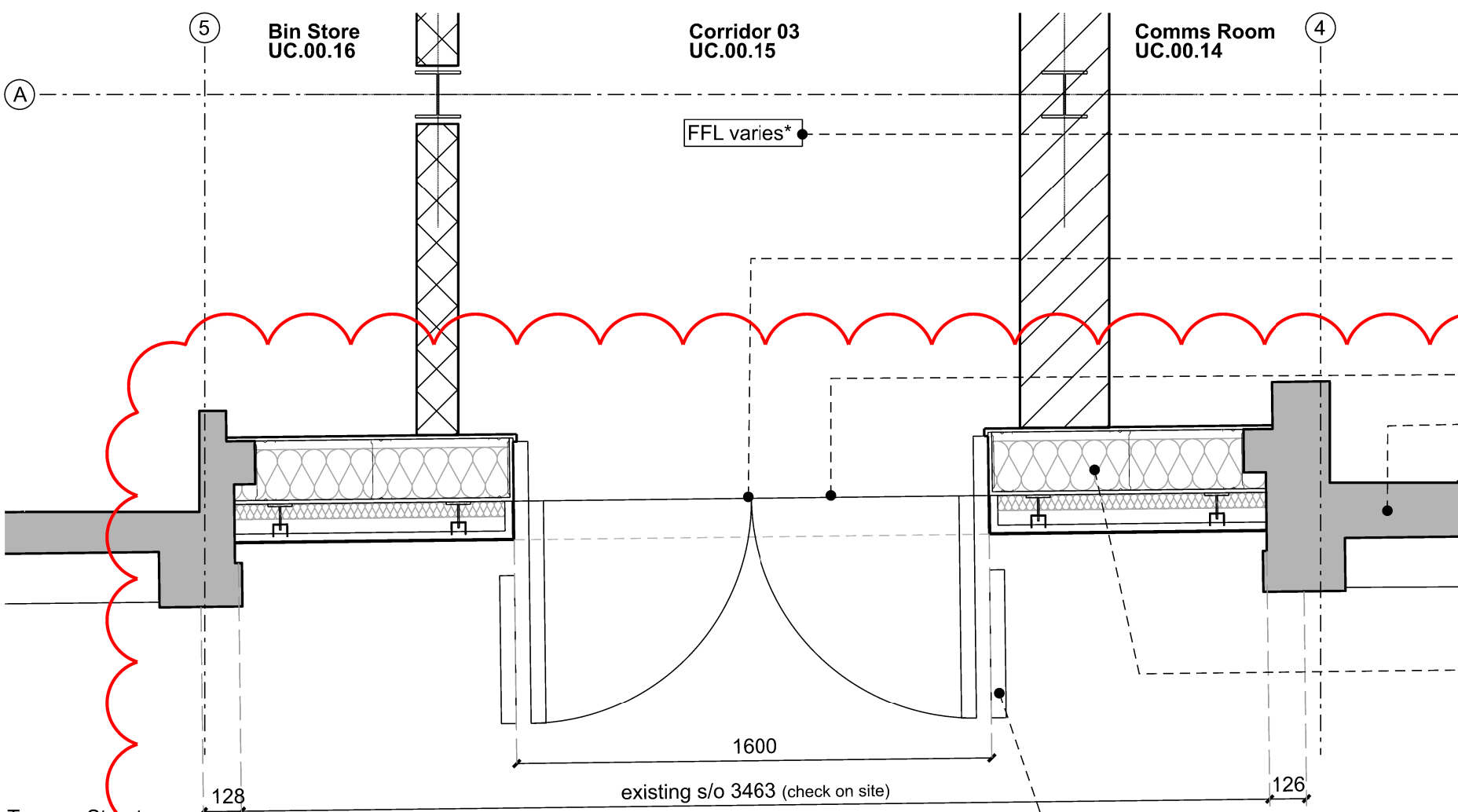
Project:
Upper Campfield
Liverpool Road, Manchester
Title:
External Doors
Main Entrance
Status:
CONSTRUCTION
Drawing Number:
0798-P3A-XX-XX-DR-A-31003
Scale @ ISO A1:
1:20
Revision:
C02

EXTERNAL DOOR: ED.00.05



Proposed Elevation

scale 1:20 @ A1



Proposed Plan

scale 1:20 @ A1

Existing external wall, Grade II Listed Building.

EWB (from inside out): u-value **0.26 W/m²K**
• 2x12.5mm Gypsum Soundbloc plasterboard; skim finish.
• Low density polyethylene vapour control barrier.
• Sheathing board within studs (A1 fire rated).
• SFS System to proposed external wall. Detail design to specialist contractor with SE input. Proposed structural opening for windows to formed by SFS.
• Rockwool stud fulfill insulation or similar approved.
• 12mm Cement bonded particle board.
• Breather membrane, where relevant sealed over and onto EPDM.
• 120mm Rockwool Rainscreen DuoSlab or similar approved.
• Minimum 50mm ventilated air gap.
• Proposed aluminium cladding system to match existing. Detailed design to specialist sub-contractor. Colour REF: RAL 7021 to match existing. Finish PPC.
• Cladding on Aluminium support bar and bracket system, by specialist sub-contractor.
• Cavity closers and fire barriers where relevant.

Steel door barrier PPC to contrast against door colour
refer to dwg 0798-P3A-XX-XX-DR-A-90001

MoE & Security (SBD/PAS 24) Steel Double Solid Door. Structural support, fixings and connections to SE/specialist detail design. Detail Design by door specialist. MoE and Security Ironmongery to be linked to escape system and designed by door manufacturer as per HART specification, certified as required. Access Control requirements by HART. Finishes as per HART specification.

Existing step retained

Level to be checked on site prior to detail design and fabrication, varies.

Workspace 01
UC.01.04

FFL M: +38.50
Corridor 04
UC.00.05

FFL 00: varies

Proposed Section

scale 1:20 @ A1

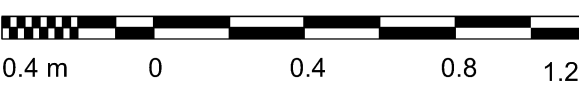
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- For **Mechanical and Electrical** design intent refer to M&E Engineer information.
- All finishes to **HART**, client's & fit out contractor.
- All **dimensions** to be checked on site prior to full design and fabrication.
- Detail Design by **Specialist** sub-contractor and to manufacturer's recommendations.
- Read in conjunction** with other relevant information and packages (see (04)-series for list) and project specific information.
- Information subject to any design development.
- Minimum clear opening** to comply with Fire Strategy and Building Regulations requirements.
- Manifestation** of glazed units to fully comply with Building Regulations requirements.
- Containment and loadings** to be in line with AD K.
- Read in conjunction with Planning approved information, Heritage Statment (Grade II Listed Building) etc.
- Detail design by **specialist sub-contractor**.
- Access Control / MoE** by MEP to HART specification.
- Security** requirements by HART to be minimum in line with Building Regulations and Fire Strategy requirements.
- Ironmongery** requirements to be confirmed by Allied London/HART. To be in line with Heritage / historic buildings requirements.

C03	10/02/25	General update	CS
C02	30/09/24	General update as clouded	CS
C01	28/08/24	Construction Issue	JG
Rev:	Date:	Description:	By:



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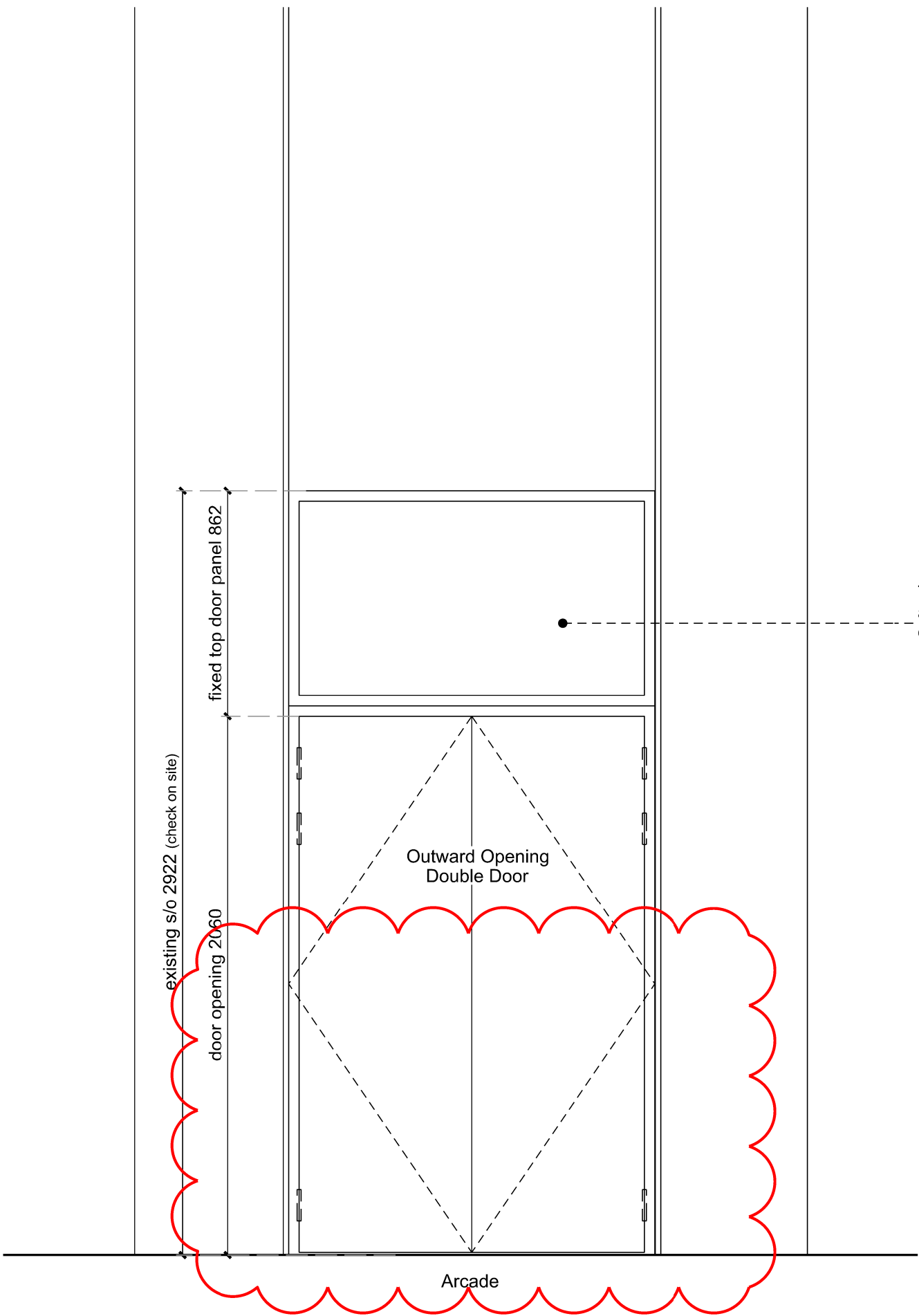
Project:
Upper Campfield
Liverpool Road, Manchester
Title:
External Doors
Rear Entrance
Status:

Scale @ ISO A1:

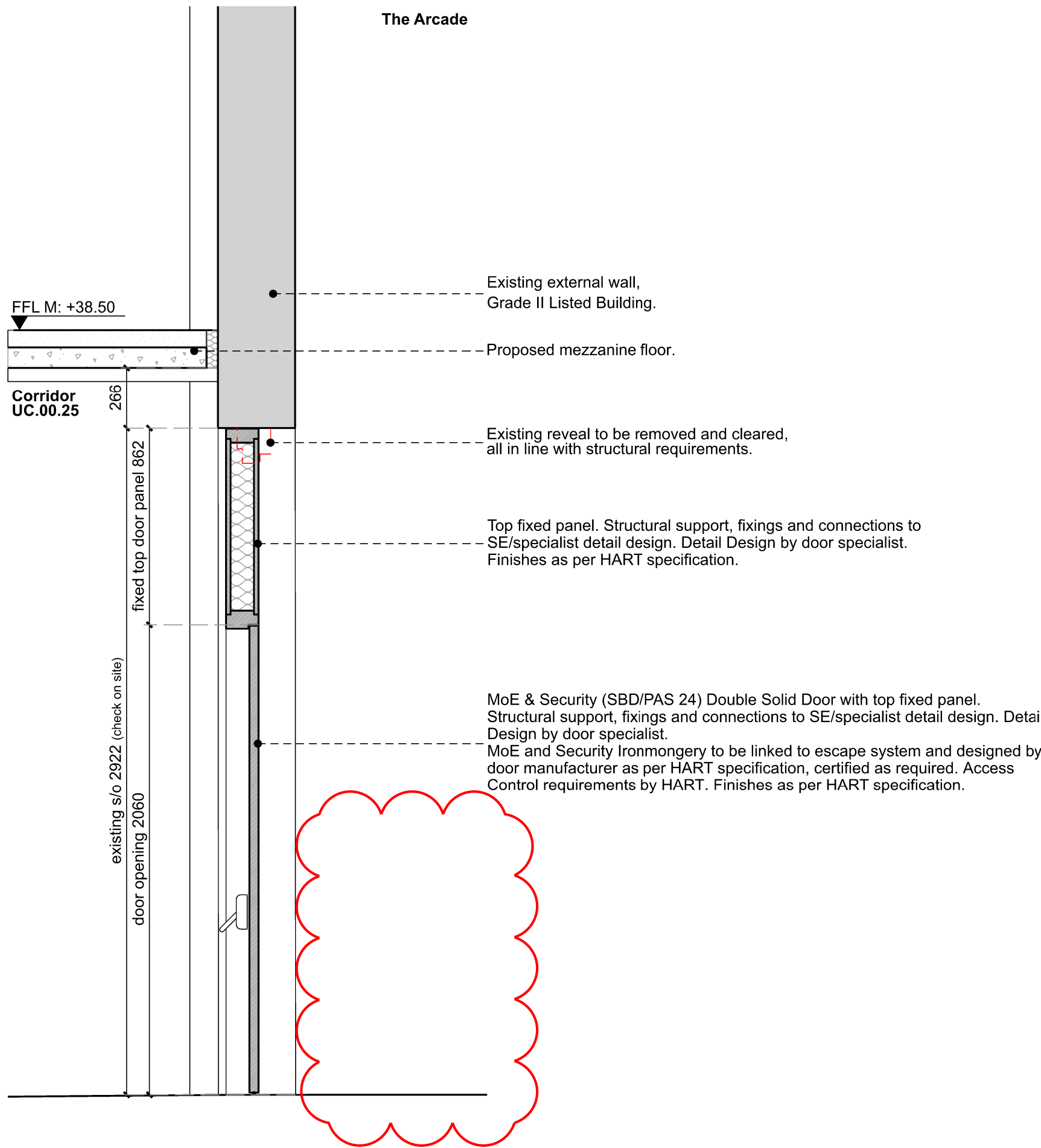
CONSTRUCTION 1:20

Drawing Number: 0798-P3A-XX-XX-DR-A-31004
Revision: C03

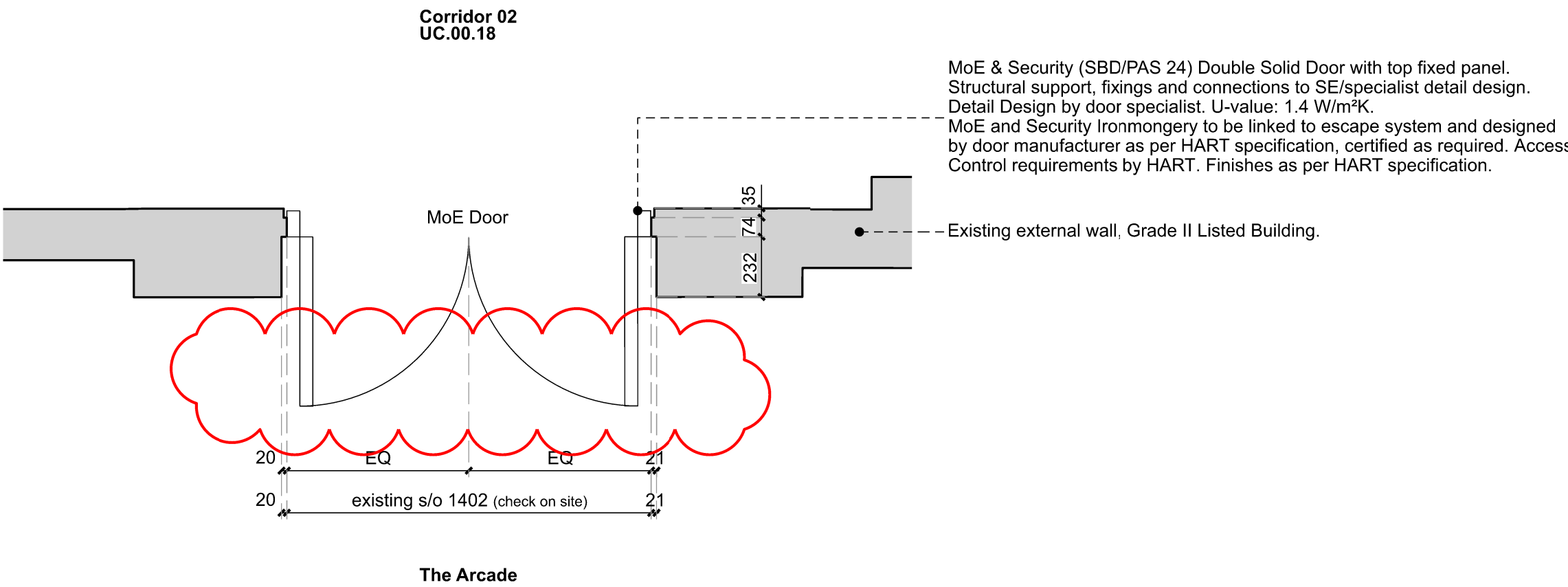
EXTERNAL DOOR: ED.00.07



Proposed Elevation
scale 1:20 @ A1



Proposed Section
scale 1:20 @ A1



Proposed Plan
scale 1:20 @ A1

Notes:

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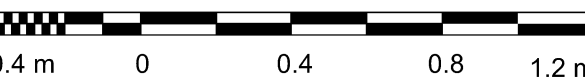
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 17. Read in conjunction with Planning approved information, Heritage Statement (Grade II Listed Building) etc.
 18. Detail design by **specialist sub-contractor**.
 19. **Access Control / MoE** by MEP to HART specification.
 20. **Security** requirements by HART to be minimum in line with Building Regulations and Fire Strategy requirements.
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C02	10/02/25	General update	CS
C01	28/06/24	Construction Issue	JG
Rev:	Date:	Description:	By:



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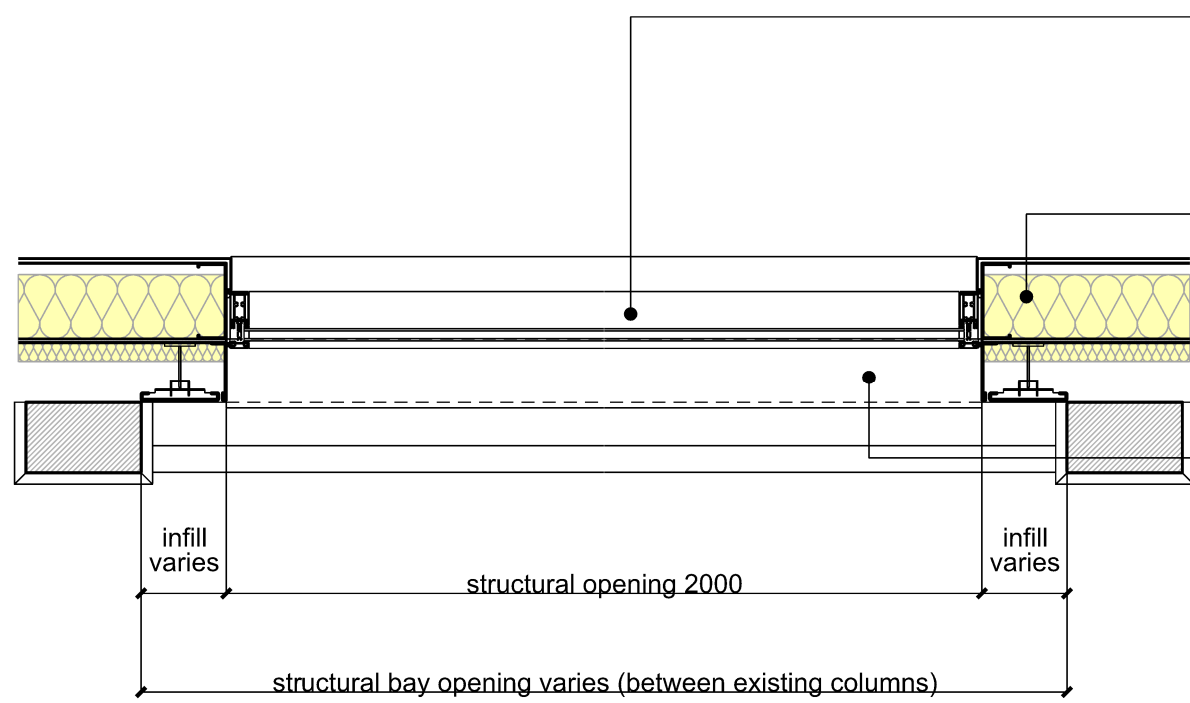
Project:
Upper Campfield
Liverpool Road, Manchester
Title:
External Doors
MoE Arcade
Status:
CONSTRUCTION
Drawing Number:
0798-P3A-XX-XX-DR-A-31005

Scale @ ISO A1:
1:20
Revision:
C02

Upper Campfield Windows
Liverpool Road
1 : 20



Proposed Elevation
scale 1:20 @ A1

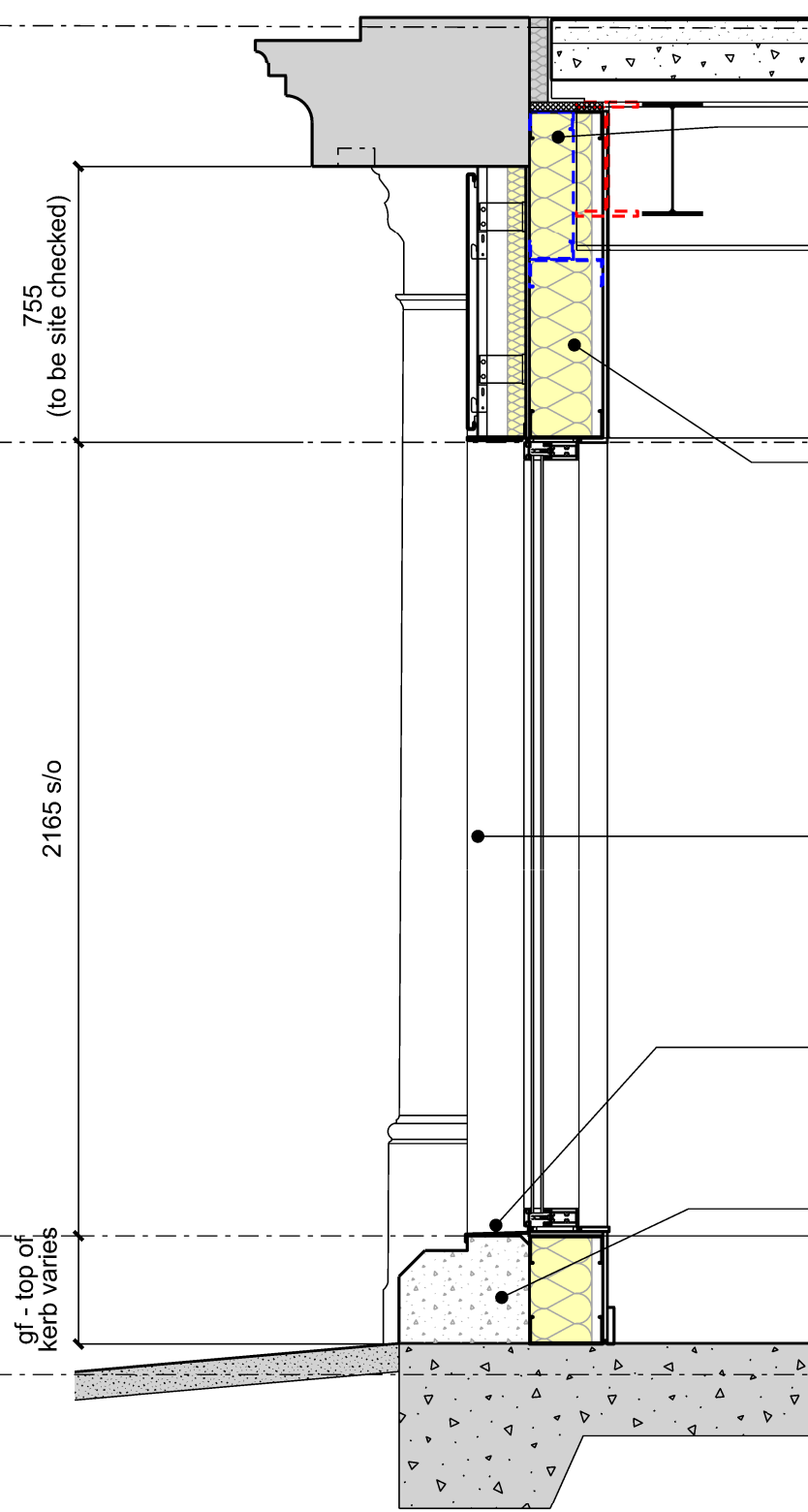


Proposed Plan
scale 1:20 @ A1

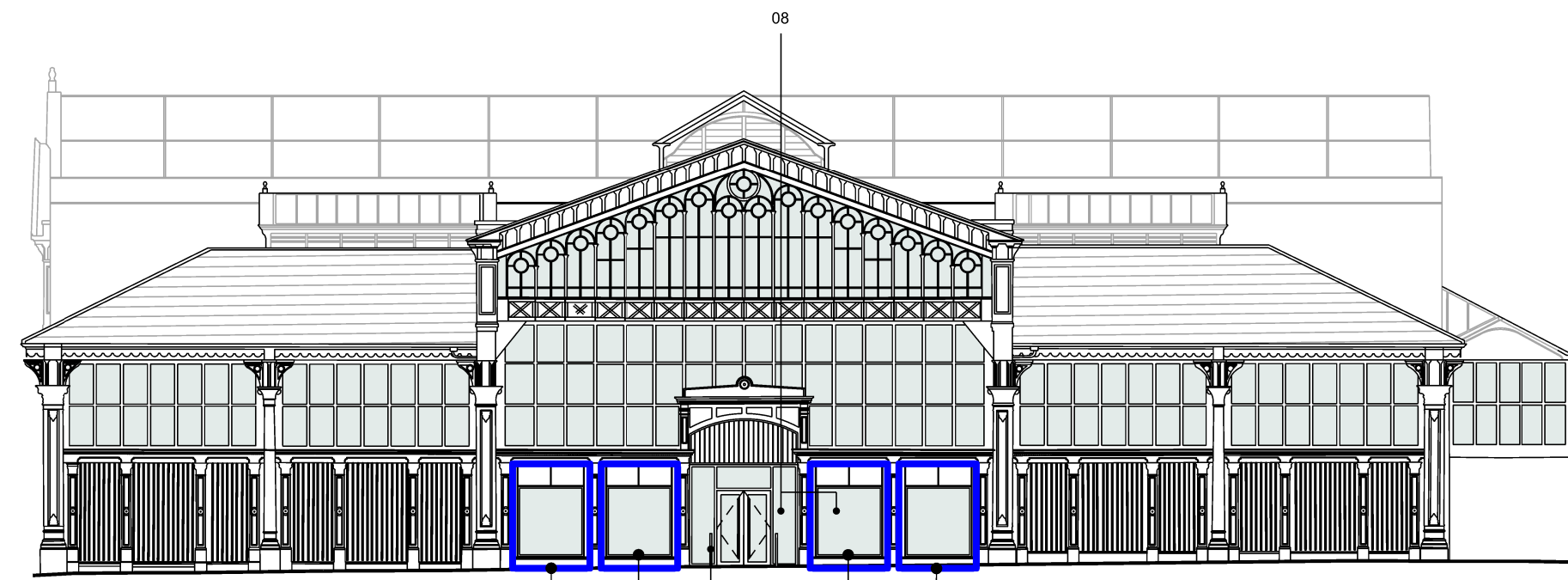
Proposed new window system.
Security (SBD/PAS 24).
U-value: 1.4 W/m²K.
Detail design by window specialist.
Fixings and connections to
SE design intent with specialist input.
Internal finishes to HART specification.
External finish: PPC, black finish RAL 7021
Glazing in accordance with AD Part K;
barrier loading requirements,
protection against impact.
Manifestation design by HART

See external wall build up (EWB) above.

Toughened aluminium sill with
WBP plywood base lining.
Projection to be in line with
edge of proposed cladding.
Detailed design to specialist.
Finish to match window and
cladding.



Proposed Section
scale 1:20 @ A1



Liverpool Road Elevation

SFS frame built off ground floor slab to
underside of mezzanine deck with
deflection head. Reduce frame size where
steel beam is close to external wall.
All to specialist subcontractor detail design.

External wall build up (EWB)
EWB (from inside out): U-value 0.26 W/m²K
12.5mm Gypsum soundblock plasterboard: skim finish.
Low density polyethylene vapour control barrier.
170mm Rockwool Flexi insulation or similar approved.
12mm Cement bonded particle board.
Breather membrane sealed over and onto EPDM.
50mm Rockwool Rainscreen Duo Slab or similar approved.
Minimum 50mm ventilated air gap.
Proposed aluminium cladding system. Design intent to
architect, detailed design to specialist sub contractor.
Colour REF: RAL 7021. Finish PPC.

Proposed new window system.
Security (SBD/PAS 24).
U-value: 1.4 W/m²K.
Detail design by window specialist. Fixings and connections to
SE design intent with specialist input.
Internal finishes to HART specification.
External finish: PPC, black finish RAL 7021
Glazing in accordance with AD Part K; barrier loading requirements,
protection against impact.
Manifestation design by HART

Toughened aluminium sill with WBP plywood base lining.
Projection to be in line with edge of proposed cladding.
Detailed design to specialist.
Finish to match window and cladding.

Existing kerb stone to be retained
Paint to match proposed aluminium glazing system.

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C03	10/02/25	General update	CS
C02	29/10/24	Genral update	CS
C01	28/06/24	Construction Issue	JG
Rev:	Date:	Description:	By:

0.4 m 0 0.4 0.8 1.2 m

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Project:
Upper Campfield
Liverpool Road, Manchester
Title:
Windows
Main Entrance Windows
Status: 1:20
Drawing Number: 0798-P3A-XX-XX-DR-A-31006
Revision: C03

Notes:

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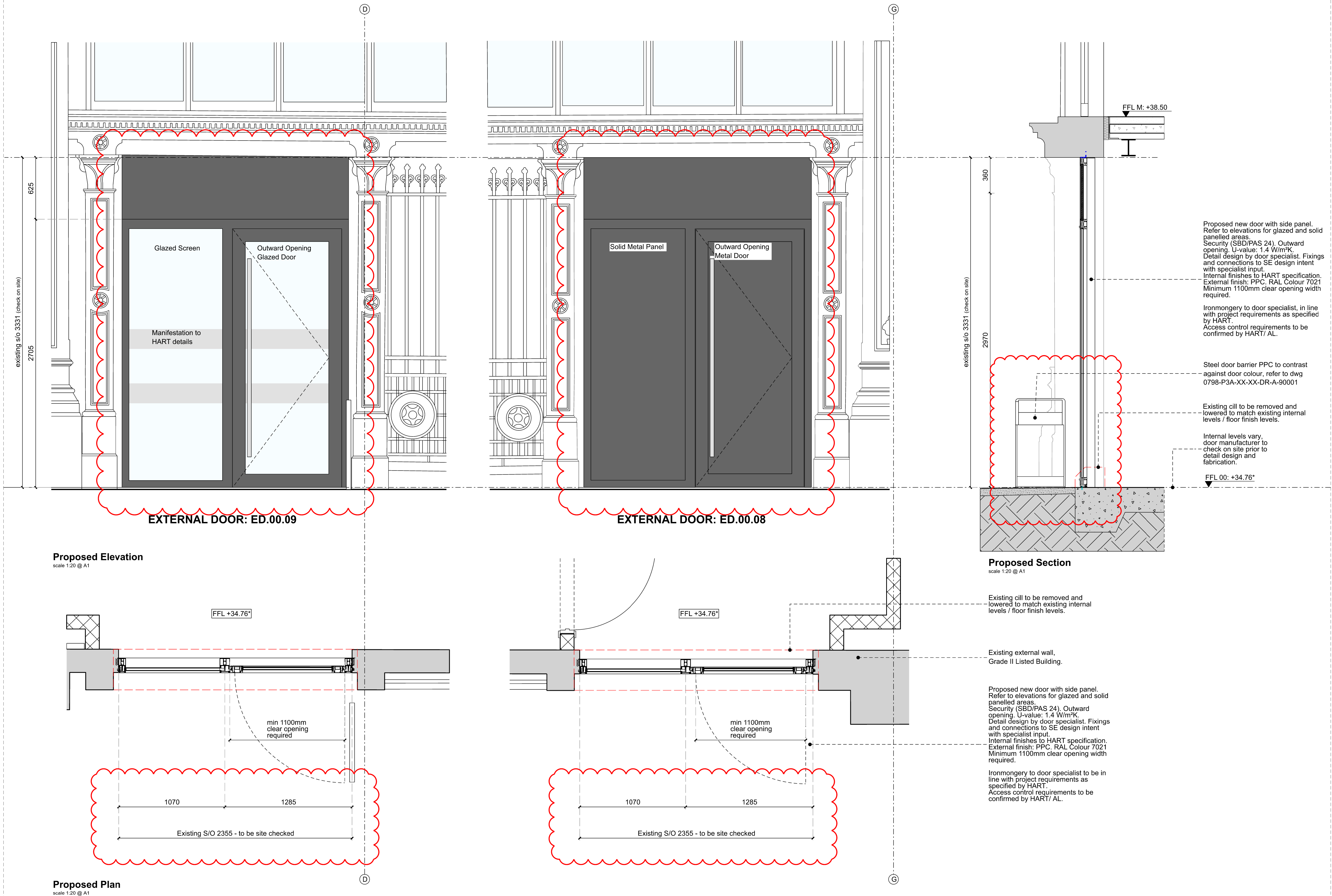
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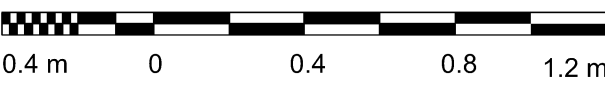
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 16. **Containment and loadings** to be in line with AD K.
 17. Read in conjunction with Planning approved information, Heritage Statment (Grade II Listed Building) etc.
 18. Detail design by **specialist sub-contractor**.
 19. **Access Control / MoE** by MEP to HART specification.
 20. **Security** requirements by HART to be minimum in line with Building Regulations and Fire Strategy requirements.
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C03	10/02/25	General update	CS
C02	30/09/24	General update as clouded	CS
C01	28/06/24	Construction Issue	JG
Rev:	Date:	Description:	By:



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Project:
Upper Campfield
Liverpool Road, Manchester
Title:
External Doors
Doors ED.00.08 & ED.00.09
Status: Scale @ ISO A1:
CONSTRUCTION 1:20
Drawing Number: Revision:
0798-P3A-XX-XX-DR-A-31007 C03

Notes:

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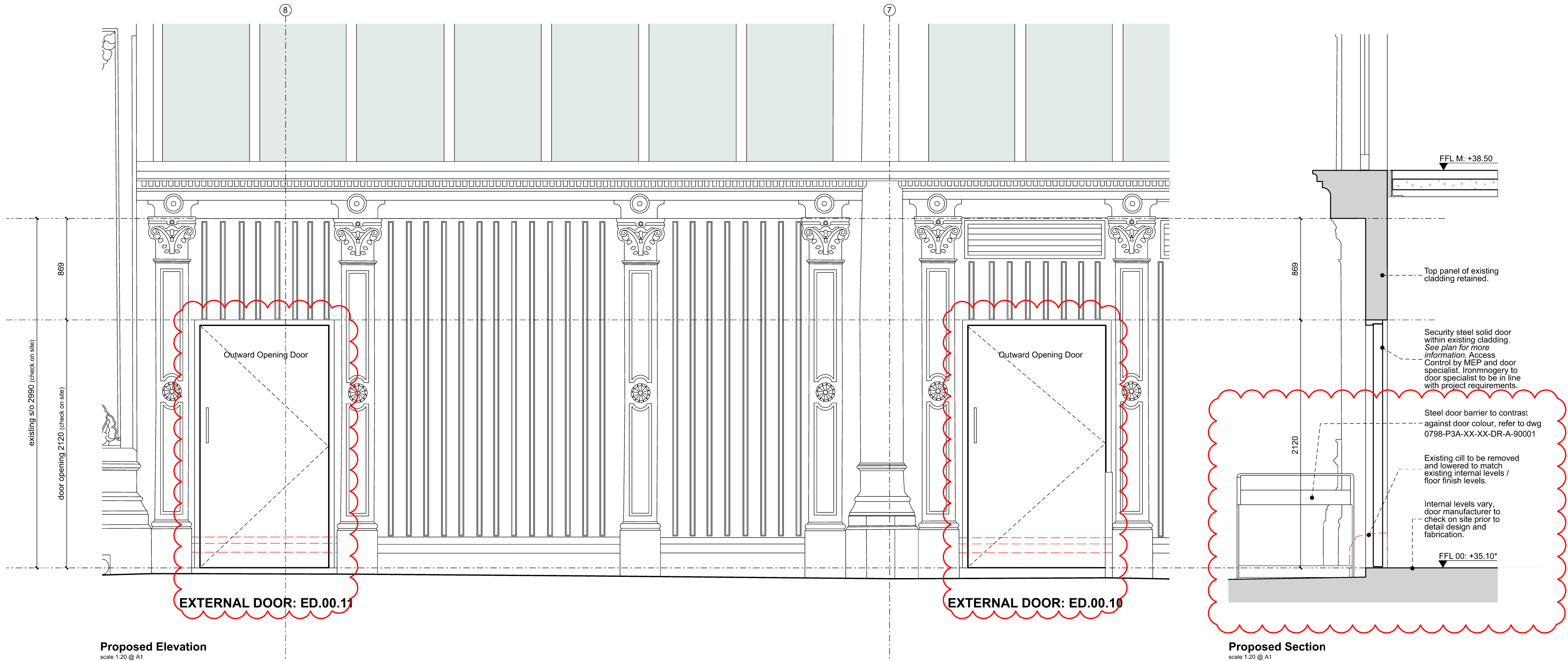
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C04	10/02/25	General update	CS
C03	16/10/24	General update	CS
C02	30/09/24	General update	CS
C01	28/06/24	Construction Issue	JG

Rev: Date: Description: By:



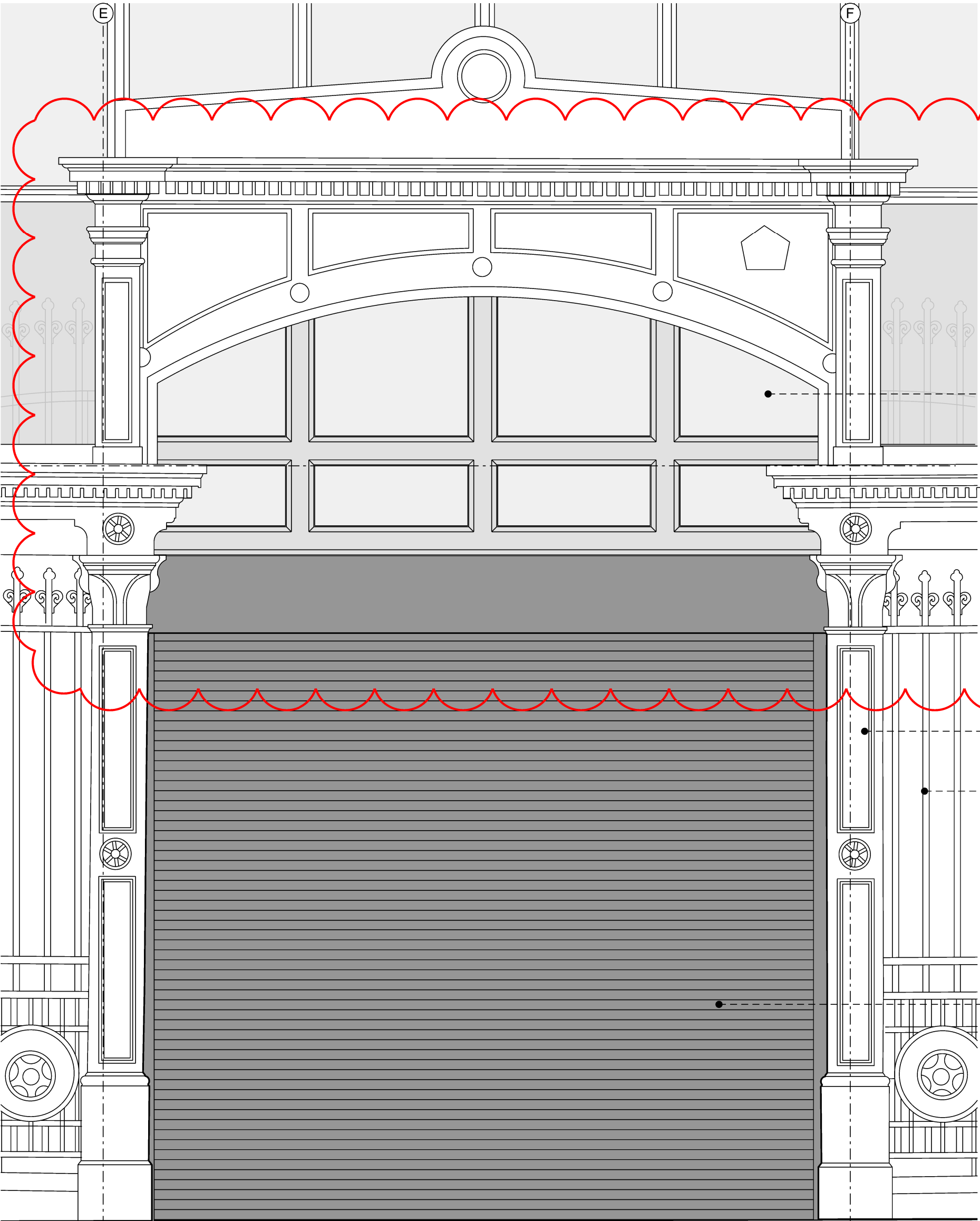
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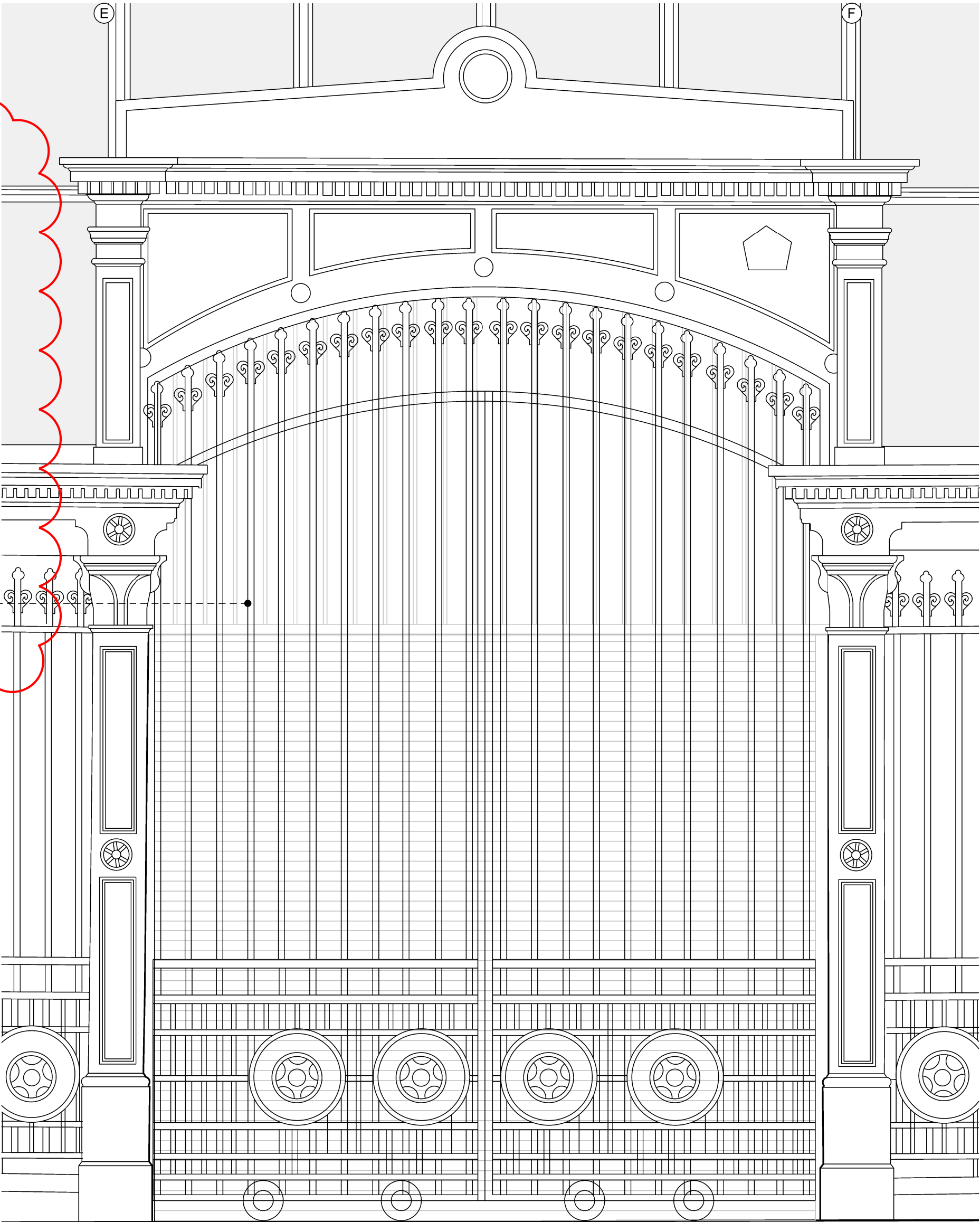
Project:
Upper Campfield
Liverpool Road, Manchester
Title:
External Doors
ED.00.10 & ED.00.11
Status: CONSTRUCTION
Drawing Number: 0798-P3A-XX-XX-DR-A-31008
Scale @ ISO A1:
1:20
Revision: C04

EXTERNAL ROLLER SHUTTER: ERS.00.01



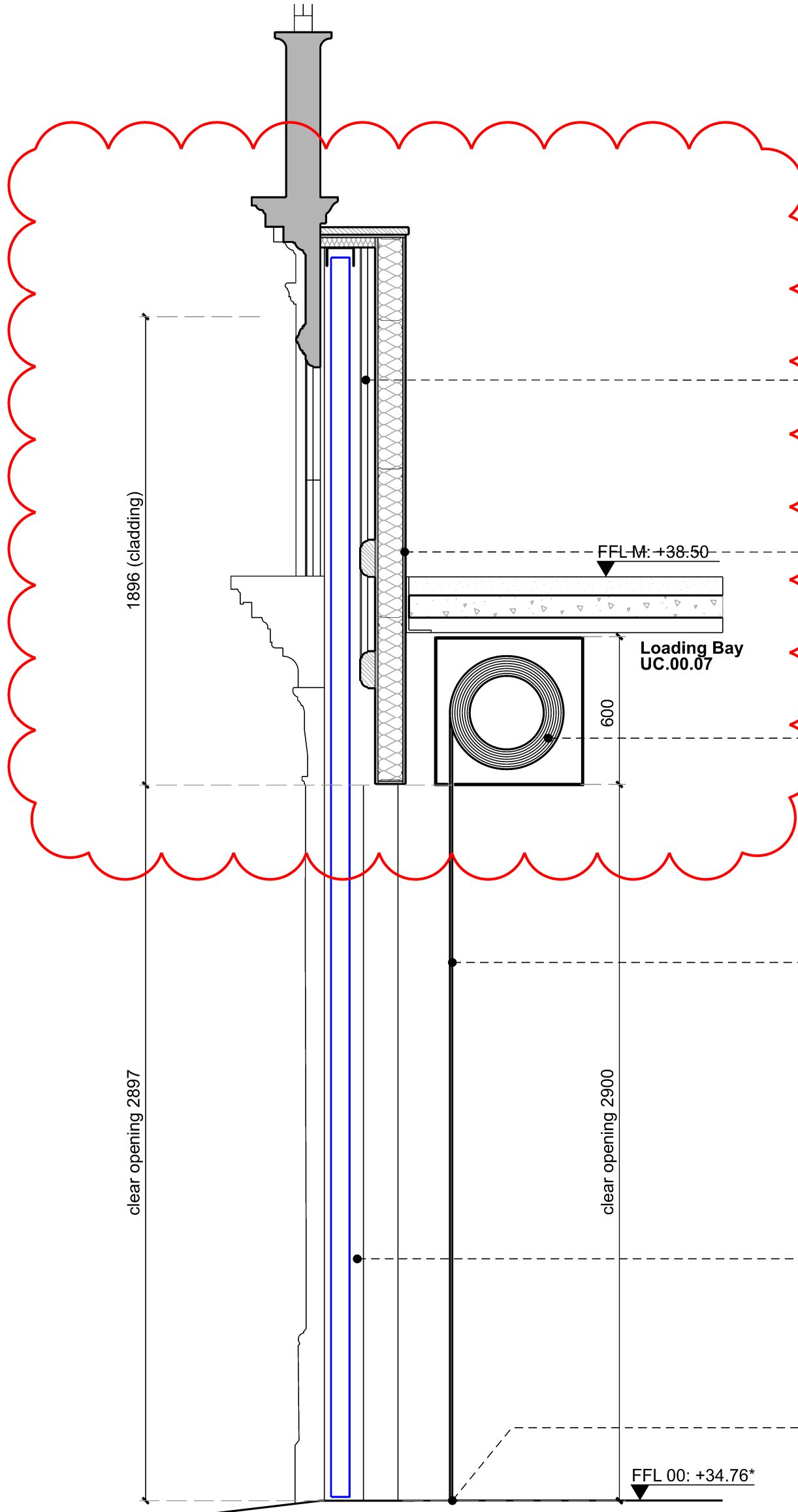
Proposed Elevation (Existing gates in open position)

scale 1:20 @ A1



Proposed Elevation (Existing gates in closed position)

scale 1:20 @ A1



Proposed Section

scale 1:20 @ A1

Notes:
Do not scale from this drawing.
All dimensions are in millimetres unless otherwise noted.
All dimensions to be checked on site before proceeding with work.
All omissions and discrepancies to be reported in writing to Project 3 Architects Ltd.
Areas indicated on this drawing are approximate and indicative only.
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New fan light to replicate existing facade language, decorated to match. Refer to dwg 798-P3A-XX-DR-A-31013

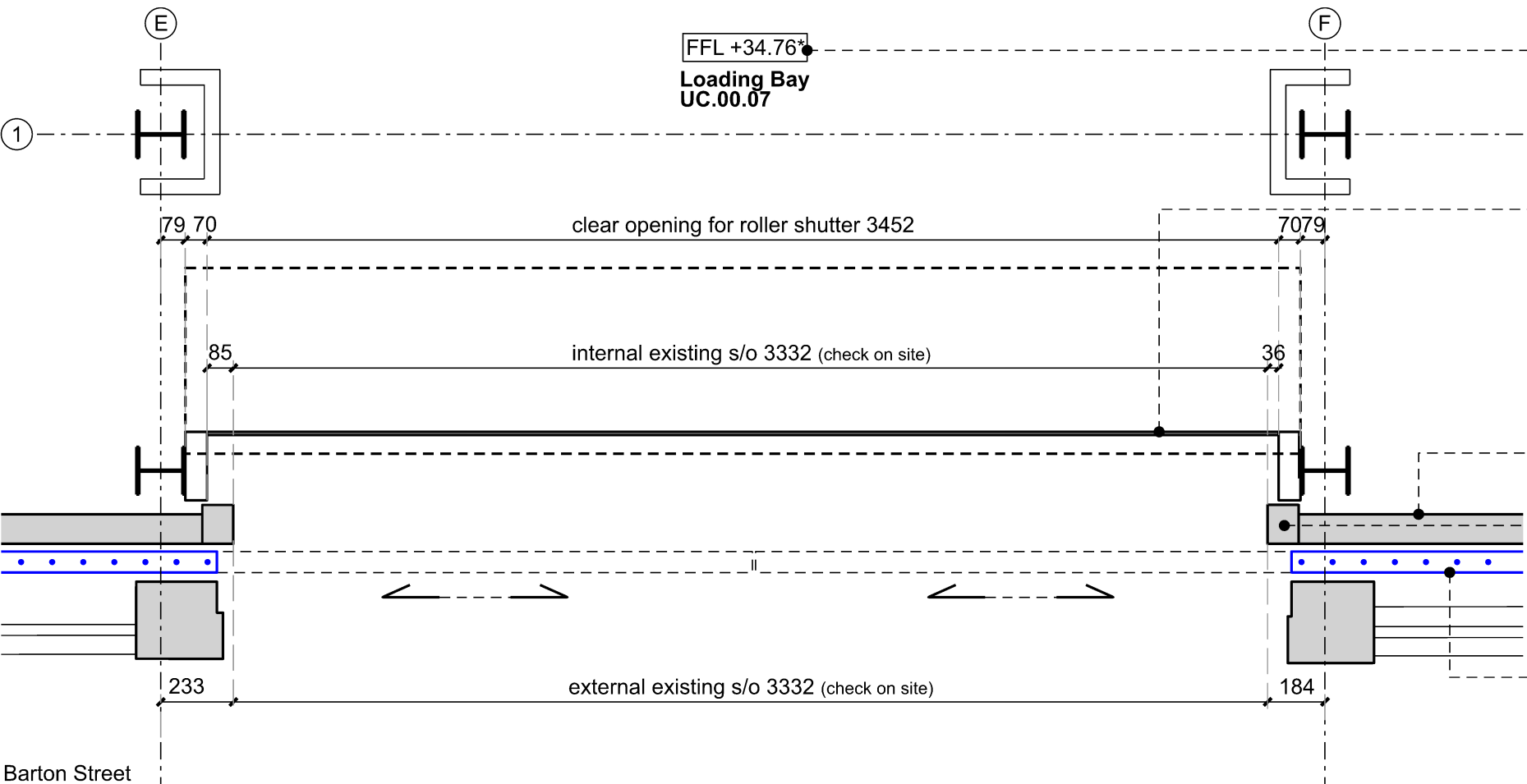
SFS Infill Walling with internal dry lining finished with pattressing, fullfill mineral wool (Rockwool or similar approved) insulation and external grade sheating board with adequate finish to hold external cladding to match existing and signage as per HART specification. Deflection requirements, support, fixings and connections to SE detail design specification with specialist input.

Fixing and structural support to SE/specialist detail design, all concealed with minimal visible detail.

Insulated security shop front roller shutter with recessed head for roller curtain. U-value: 1.4 W/m²K. Electric/mechanically opening. Galvanized, colour RAL 7021. Fixings and support to SE design spec and to specialist detail design. All to manufacturer's recommendations. Links to electrical services by MEP and MEP contractor.

Existing gates to be fully refurbished, decorated to match. Gates to be serviced and returned to original functionality. Refer to dwg 798-P3A-XX-DR-A-31012

Rubber weather seal along bottom profile.



Proposed Plan

scale 1:20 @ A1

Level to be checked on site prior to detail design and fabrication, varies.

Insulated security shop front roller shutter with recessed head for roller curtain. U-value: 1.4 W/m²K. Electric/mechanically opening. Galvanized. Colour 7021. Fixings and support to SE design spec and to specialist detail design. All to manufacturer's recommendations. Links to electrical services by MEP and MEP contractor.

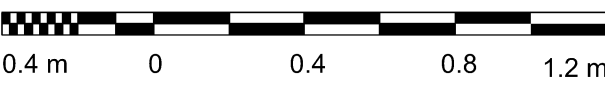
Existing internal cladding

Existing Structure/support for existing door to be retained. SE to review.

Existing gates to be fully refurbished, decorated to match. Gates to be serviced and returned to original functionality. Refer to dwg 798-P3A-XX-DR-A-31012

- NOTES
- All to comply with **British Standards** and other relevant standards.
 - All to comply with **Building Regulations**.
 - This is **Design Intent** information only for tender purposes only.
 - All to manufacturer's recommendations.
 - For **Fire** Strategy and related requirements, refer to Project 3 drawings and Detailed Fire Strategy by Jensen Hughes Fire Engineers.
 - For **Acoustics** Strategy and related requirements, refer to Project 3 drawings and Detailed Acoustic Strategy by Sandy Brown Acoustics Engineers.
 - For **Structural** design intent refer to Structural Engineer information.
 - For **Mechanical and Electrical** design intent refer to M&E Engineer information.
 - All finishes to **HART**, client's & fit out contractor.
 - All **dimensions** to be checked on site prior to full design and fabrication.
 - Detail Design by **Specialist** sub-contractor and to manufacturer's recommendations.
 - Read in conjunction** with other relevant information and packages [see (04)-series for list] and project specific information.
 - Information subject to any design development.
 - Minimum clear opening** to comply with Fire Strategy and Building Regulations requirements.
 - Manifestation** of glazed units to fully comply with Building Regulations requirements.
 - Containment and loadings** to be in line with AD K.
 - Read in conjunction with Planning approved information, Heritage Statment (Grade II Listed Building) etc.
 - Detail design by **specialist sub-contractor**.
 - Access Control / MoE** by MEP to HART specification.
 - Security** requirements by HART to be minimum in line with Building Regulations and Fire Strategy requirements.
 - Ironmongery** requirements to be confirmed by Allied London/HART. To be in line with Heritage / historic buildings requirements.

C02	10/02/25	General update	CS
C01	28/06/24	Construction Issue	JG
Rev:	Date:	Description:	By:



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Project:
Upper Campfield
Liverpool Road, Manchester
Title:
External Roller Shutter
Loading Bay
Status:
CONSTRUCTION
Drawing Number:
0798-P3A-XX-XX-DR-A-31010

Scale @ ISO A1:
1:20
Revision:
C02

05 Existing photos



06 Aluminium window and door specification and sections

Aluprof MB-Slimline window literature

Aluprof MB-79N door literature

D&M specification

D&M cross sections

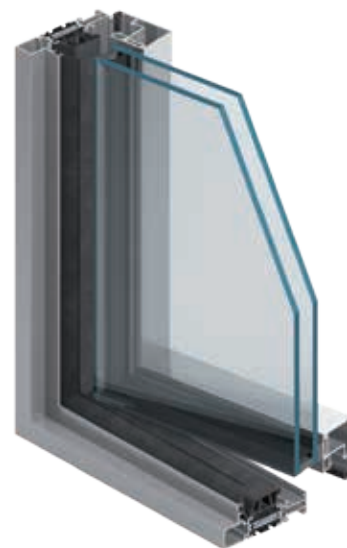


LET'S BUILD A BETTER FUTURE

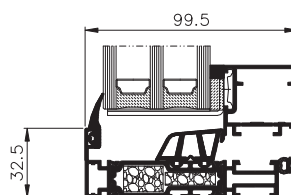
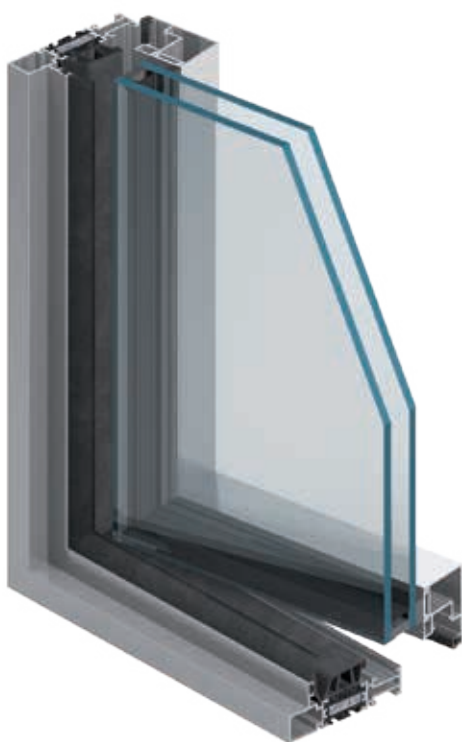
Window system with slim profiles **MB-SLIMLINE**

Highly insulated, MB-Slimline window system with thermal break is intended for fabrication of external structure elements such as various types of highly resistant, inward-openable windows (side-hung, hopper, tilt-and-turn windows) and fixed windows of an excellent water resistance, air tightness, and sound insulation performance.

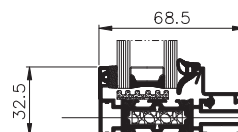
With its very small-width aluminium profiles, visible from the external side of the construction, MB-Slimline enables to fabricate casements in two variants – with visible or invisible profiles (SG) from the external side of the structure. When invisible casements are used, the appearance of openable and fixed units is almost identical. This system can also greatly replace the old-style windows, made of steel profiles and maintain a similar appearance from the outside of the construction, while significantly increasing the thermal insulation of the partition.



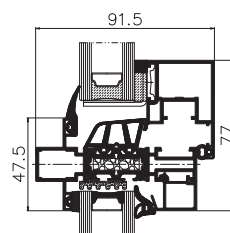
U_w from 0.8 W/(m²K)



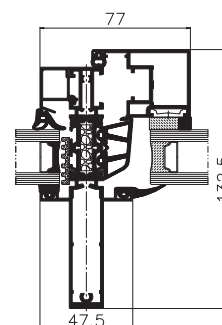
opening window – cross section



fixed window – cross section



fixed and opening window – cross section



fixed and opening window – cross section

FUNCTIONALITY AND AESTHETICS

- high resistance to water & air infiltration plus an excellent thermal insulation can be obtained thanks to the special shape of the central gasket
- good thermal insulation U_w from $0.8 \text{ W/(m}^2\text{K)}$
- important glazing range, up to 81 mm
- the use of typical "Euro" grooves enables installation of most of the available fittings
- the construction method is maximally simplified. Profile connections (corner & T-connections) are performed by bolting or studding

TECHNICAL SPECIFICATION	MB-SLIMLINE
Frame depth	68.5 – 123.5 mm / 90.5 – 145.5 mm
Sash depth	77.5 mm / 99.5 mm
A RANGE OF GLAZING	
Fixed / opened window for 68,5 mm frame	8 – 50 mm / 17 – 59 mm
Fixed / opened window for 90,5 mm frame	30 – 72 mm / 39 – 81 mm
SIZE AND WEIGHT LIMITATIONS	
Max. size of window (H×L)	H to 2400 mm, L to 1400 mm; H to 2100 mm, L to 1600 mm
Max. weight of sash	150 kg

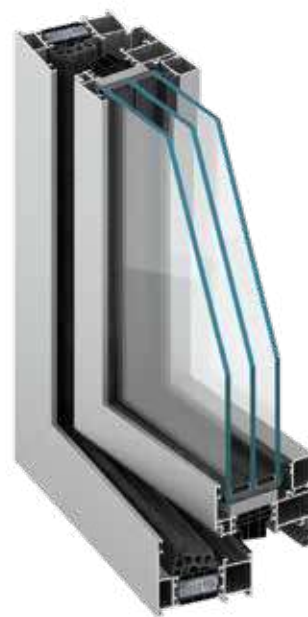
PERFORMANCE	MB-SLIMLINE
Air Permeability	class 4, EN 1026; EN 12207
Watertightness	class E 1500, EN 1027; EN 12208
Thermal insulation	U_w from $0.8 \text{ W/(m}^2\text{K)}$



LET'S BUILD A BETTER FUTURE

Window and door system **MB-79N**

The MB-79N is the latest cutting-edge, budget-friendly window and door system in the ALUPROF range. Introduced with a view to meeting heightened thermal insulation requirements, it is employed for a broad range of structures, including fixed, turn, tilt, tilt and turn, and tilt-and-slide windows, single and double exterior doors and shop windowtype solutions with doors. Besides the economical version, the MB-79N E, which features a one-component central seal, and the MB-79N ST version, with a two-component central seal, we also offer the MB-79N SI variant with top-end thermal insulation and profiles that come equipped with insulating inserts and a two-component central seal. For external doors, the MB-79N SI+ variant, which comes with a central seal and insulating inserts inside the profiles, is available. In addition, the product range includes the MB-79N Casement system for outward-opening windows with a thermal break and the MB-79N US window system, which features a concealed vent.



U_w from 0.64 W/(m²K)

WINDOWS



MB-79N ST



MB-79N SI

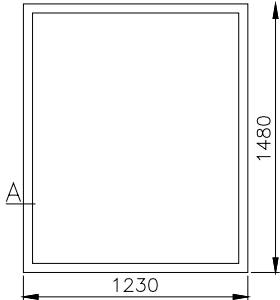
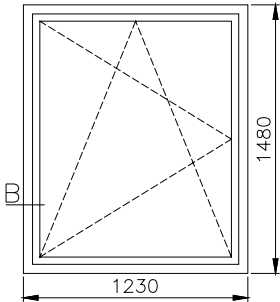
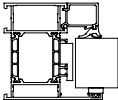
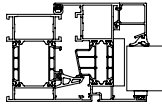
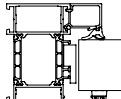
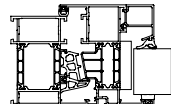
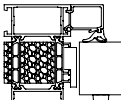
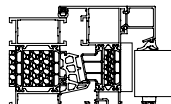


MB-79N US SI



MB-79N CASEMENT SI

Examples of heat transfer coefficients U_w

WINDOWS SCHEMES	SECTION A OR B		Value U_w [W/m²K]		
			Glass with Multitech frame		
			Double chamber		Single chamber
			$U_g=0.5$	$U_g=0.7$	$U_g=1.0$
 	MB-79N E	 K520012X	0.82	0.98	1.25
		 K520012X + K520102X	0.98	1.12	1.37
	MB-79N ST	 K520012X	0.82	0.98	1.25
		 K520012X + K520102X	0.95	1.09	1.30
	MB-79N SI	 K520012X	0.70	0.86	1.13
		 K520012X + K520102X	0.79	0.93	1.18

DOORS



MB-79N ST



MB-79N SI



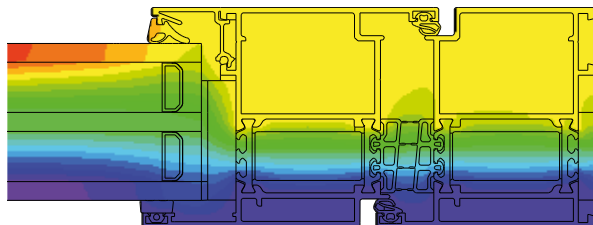
MB-79N SI+



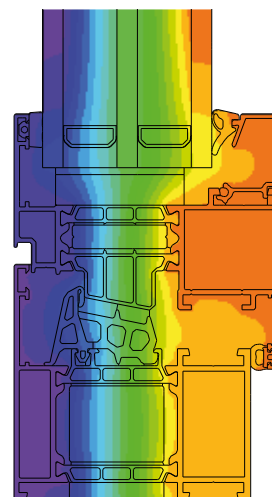
MB-79N SI, SI+

Examples of heat transfer coefficients U_D

DOORS SCHEMES	SECTION A OR B	Value U_D [W/m ² K]		
		Glass with Multitech frame		
		Double chamber		Single chamber
		$U_g=0.5$	$U_g=0.7$	$U_g=1.0$
	MB-79N E (ST) K520131X+K520146X+8G00031X	1.16	1.29	1.51
	MB-79N SI K520131X+K520146X+8G00031X	1.06	1.20	1.44
	MB-79N SI+ K520131X+K520146X+8G00031X	1.01	1.14	1.35



Distribution of isotherms in **MB-79N SI+** door



Distribution of isotherms in **MB-79N SI** window

FEATURES AND AESTHETICS

- profile depth: 79 mm for the vent and 70 mm for the window frame and door leaf
- the windows and doors feature thermal breaks made of an innovative material with a brand-new shape, allowing the use of a seal in the profile insulation
- three thermal variants for the window structures, the MB-79N E, MB-79N ST and MB-79N SI. Three variants for the door structures, the MB-79N ST, MB-79N SI and MB-79N SI+
- the structure meets the Technical Requirements which came into force in 2021, at 0.9 W/(m²K) for the windows and 1.3 W/(m²K) for the doors
- thermal insulation: U_w from 0.64 W/(m²K)
- excellent kinematics, making it possible to build narrow, operable windows
- door leaf profiles have an isolation joint, which eliminates thermal stresses during operation
- invisible hinges and the most popular multi-point hardware can be used, including concealed fittings, together with state-of-the-art AluPilot fittings. For doors, hardware with automation and access control functions is also available
- suitable for a wide range of double or triple glazing of up to 63 mm for windows and 54 mm for doors, making it possible to use every commonly available type of glass, including acoustic and burglary-resistant glass
- class RC1 to RC3 burglary-resistant doors can be produced using the system, as can panelled front doors, providing a wealth of aesthetic potential
- a large selection of handles in a range of styles is available, including a minimalist look, with a rosette or without
- the MB-79N Casement variant, with outward-opening windows and a thermal break, is also available

TECHNICAL SPECIFICATION	MB-79N WINDOWS	MB-79N DOORS	MB-79N CASEMENT
Frame depth	70 mm	70 mm	70 mm
Casement depth	79 mm	70 mm	79 mm
Glazing thickness	frame: 1.5 – 54 mm, vent: 10.5 – 63 mm	vent: 1.5 – 54 mm	frame: 1.5 – 54 mm, vent: 10.5 – 63 mm
Max. casement size (H×L)	H to 2700 mm, L to 1350 mm / H to 2150 mm, L to 1700 mm	H to 2800 mm, L to 1400 mm	H to 2700 mm, L to 1400 mm / H to 2500 mm, L to 2400 mm

PERFORMANCE	MB-79N WINDOWS	MB-79N DOORS	MB-79N CASEMENT
Air permeability	class 4, EN 12207	class 4, EN 12207	class 4, EN 12207
Water tightness	class E 1950, EN 12208	class E 900, EN 12208	class E 1800, EN 12208
Thermal insulation	U_w from 0.64 W/(m ² K)* U_w from 0.72 W/(m ² K)**	U_D from 0.90 W/(m ² K)***	U_w from 0.74 W/(m ² K)****
Windload resistance	class C5, EN 12210	class C5/B5, EN 12210	class C5/B5, EN 12210

* - U_w for MB-79N SI-based fixed window casement size 1700×2700 mm, with glazing $U_g=0.5$ W/(m²K)

** - U_w for MB-79N SI-based openable window casement size 1700×2150 mm, with glazing $U_g=0.5$ W/(m²K)

*** - U_D for MB-79N SI+ door size 1400×2800 mm, with glazing $U_g=0.5$ W/(m²K)

**** - U_w for MB-79N Casement SI-based openable window casement size 1900×2500 mm, with glazing $U_g=0.5$ W/(m²K)

Date: 18th October 2024

Job Number: 27221

Customer: TJM Projects

Site Address: Upper Campfield (Market Hall) Barton St, Manchester, M3 4NN

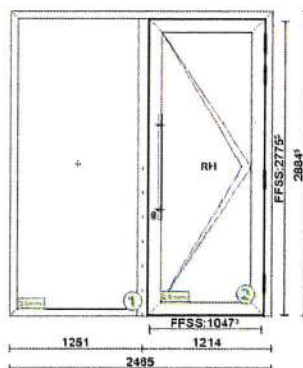
*** ALL SIZES TO BE CONFIRMED
 *** RAL COLOUR TO BE CONFIRMED
 *** DOOR IRONMONGERY TO BE CONFIRMED

Project: Upper Campfield

Position **Quantity** **Description**

001

1 Pcs



2465 mm x 2885 mm

ED.00.09, Consisting of a Fixed Field and a Single Door.

System: VWD79 Window and Door System, ST,
 Glazing Bead List: Standard 22 mm (Type 1)

Door Description:

Door Single open Out Right Hinged

Colours:

Profiles: mat non-standard

Glazing:

2 x prepared for a thickness of 28mm

Door Hardware:

ECO SCHULTE - Rosette Stainless Steel

FUHR - Additional striking plate U24x5 mm

FUHR - One-piece striker U24x5, right

Bolt M5x14 mm

PAS 24 Cylinder

Slide block

WALA - Pull handle P45, two-sided + connecting
 elements, L=1 Stainless Steel

FUHR - 3-point latch and hook lock 855GL type 3
 U24x6x1790 mm

DR. HAHN - Anti theft bolt

WALA - Roller hinge WR1R Silver

FUHR - Roll latch

FUHR - Drive gear extension U24x6 mm

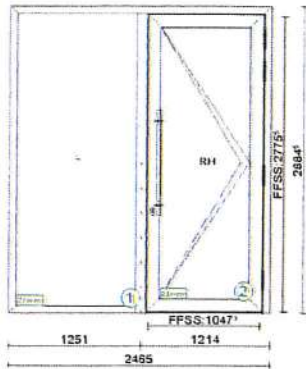
Rivet nut M5

Bolt M5x15,4 mm

GLAZING: 6.8mm CLEAR LAMINATE
 6mm CLEAR LOW E TOUGHENED

Position Quantity Description

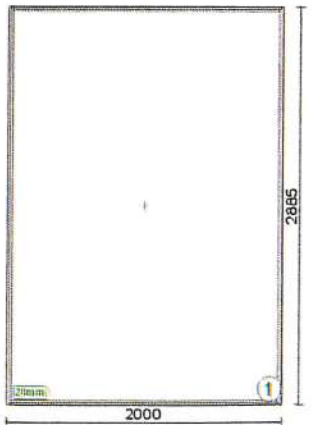
002 1 Pcs



2465 mm x 2885 mm
ED.00.08, Consisting of a Fixed Field and a Single Door.
System: VWD79 Window and Door System, ST,
Glazing Bead List: Standard 22 mm (Type 1)
Door Description:
Door Single open Out Right Hinged
Colours:
Profiles: mat non-standard
Glazing:
2 x prepared for a thickness of 28mm
Door Hardware:
ECO SCHULTE - Rosette Stainless Steel
FUHR - Additional striking plate U24x5 mm
FUHR - One-piece striker U24x5, right
Bolt M5x14 mm
PAS 24 Cylinder
Slide block
WALA - Pull handle P45, two-sided + connecting elements, L=1 Stainless Steel
FUHR - 3-point latch and hook lock 855GL type 3 U24x6x1790 m
DR. HAHN - Anti theft bolt
WALA - Roller hinge WR1R Silver
FUHR - Roll latch
FUHR - Drive gear extension U24x6 mm
Rivet nut M5
Bolt M5x15,4 mm

GLAZING : 28mm ALUMINIUM INSULATED PANELS

003 4 Pcs



2000 mm x 2885 mm
W.00.01, 02, 03, 04, Consisting of a Fixed Field.
System: Aluprof MB-SLIMLINE Type A, Type 1,
Glazing Bead List: Standard
Colours:
Profiles: mat non-standard
Glazing:
1 x prepared for a thickness of 28mm

GLAZING : 10-8mm CLEAR LAMINATE
8mm CLEAR LOW E TOUGHENED

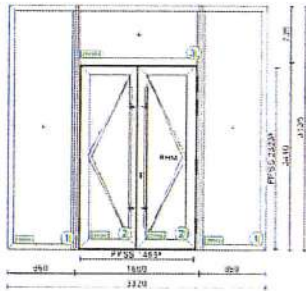
12/09/2024 3/4

Position Quantity Description

ED.00.02

004

1 Pcs



3320 mm x 3135 mm

Main Entrance, Consisting of three Fixed Fields and a Double Door.

System: VWD79 Window and Door System, ST,

Glazing Bead List: Standard 22 mm (Type 1)

Door Description:

Door Double open Out RH Master Leaf

Colours:

Profiles: mat non-standard

Glazing:

5 x prepared for a thickness of 28mm

Window Hardware:

PAS 24 Cylinder

Door Hardware:

FUHR - Rod latch, top

Screw 3,5x13 mm

FUHR - Striker with guide

WALA - Pull handle P45, two-sided + connecting elements, L=1 Stainless Steel

FUHR - Slave leaf shootbolt

WALA - Pull handle P45, two-sided + connecting elements, L=1 Stainless Steel

Slide block

WALA - Floor keep

FUHR - Round rod

FUHR - Roll latch

FUHR - 3-point latch and hook lock 855GL type 3 U24x6 mm

DR. HAHN - Anti theft bolt

WALA - Roller hinge WR1R Silver

Bolt M5x15,4 mm

Bolt M5x14 mm

ECO SCHULTE - Rosette Stainless Steel

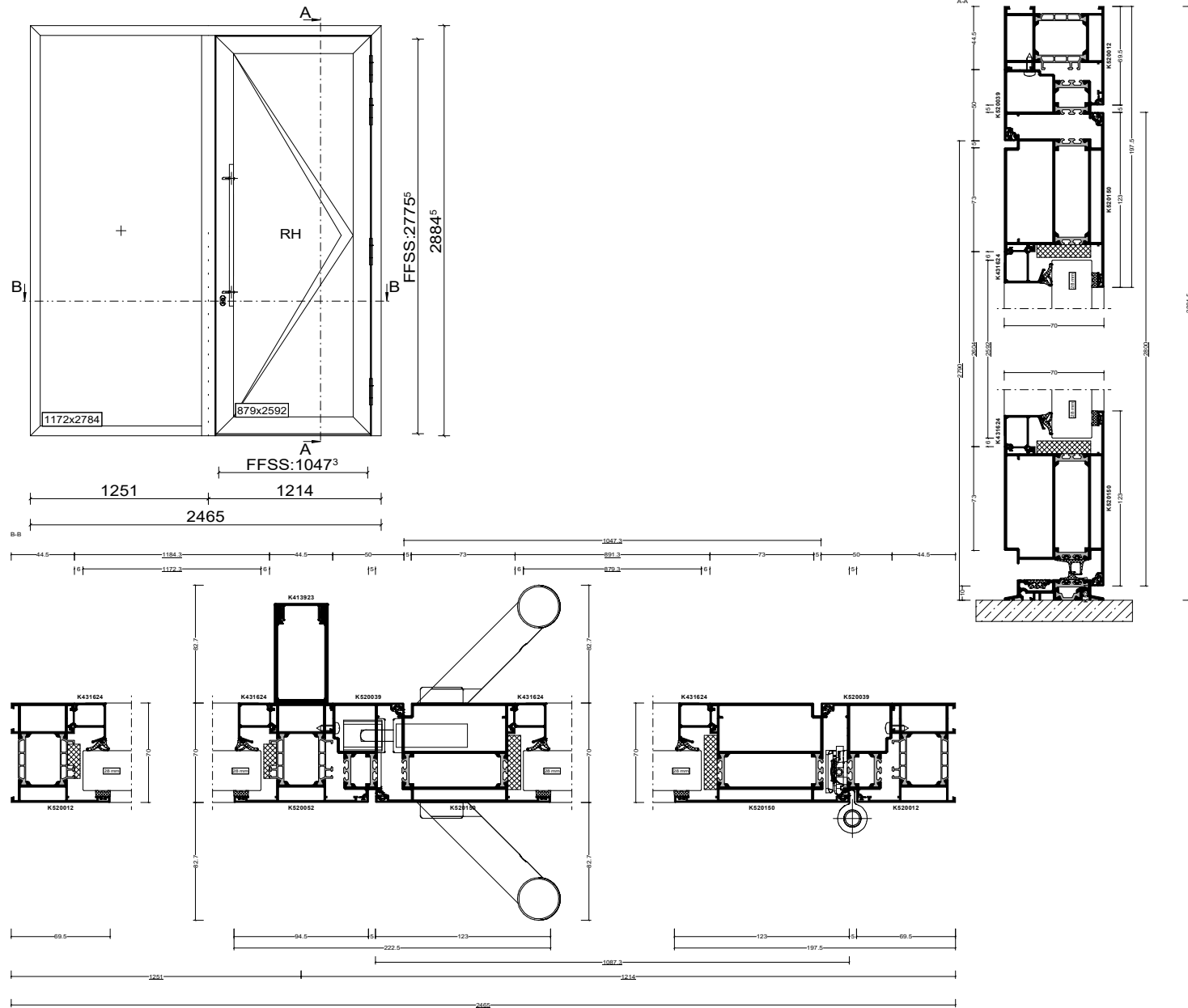
FUHR - One-piece striker U24x5, right

Rivet nut M5

GLAZING : 6.8 mm CLEAR LAMINATE

6mm CLEAR LOW E TOUGHENED

Pos. 001, Quantity: 1
ED.00.09
Finish: -8S RAL
Job: Upper Campfield
Quotation Number: Q0924438
System: Aluprof MB-79N Basic Standard 22 mm (Type 1) ST
Exterior View



Technical drawing of a window system, showing front, side, and cross-section views with dimensions and component labels.

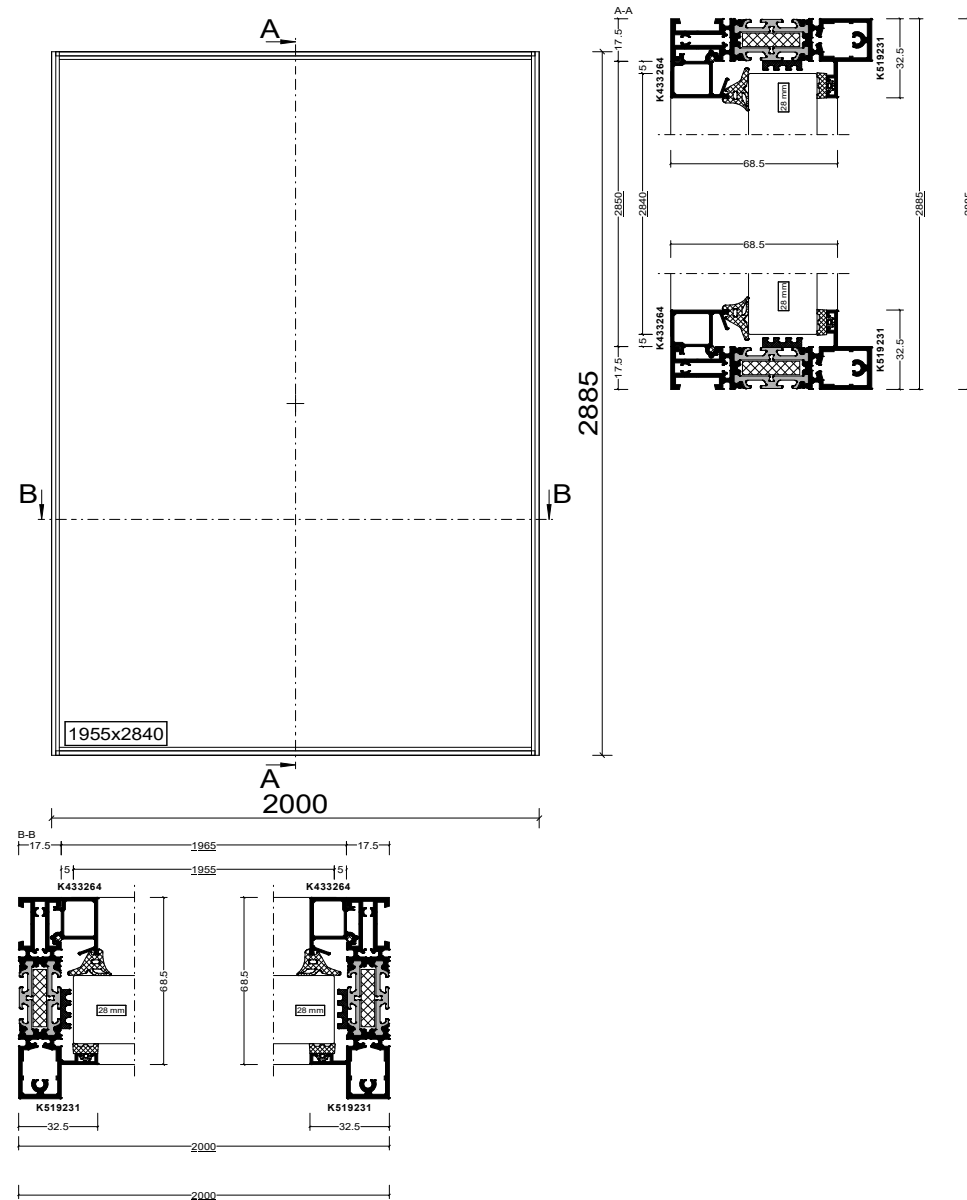
Front View (Top Left): Shows the window frame with dimensions 1172x2784 (left) and 879x2592 (right). The right side is labeled RH. The overall width is 2465 and height is 2884.5. The frame is divided into two main sections: 1251 and 1214. The frame is labeled A and B. The frame is labeled FFSS:1047³ and FFSS:2775⁵.

Side View (Bottom Left): Shows the window frame with dimensions 1251 and 1214. The frame is labeled A and B. The frame is labeled FFSS:1047³ and FFSS:2775⁵.

Cross-sections (Right): Shows the window frame with dimensions 1251 and 1214. The frame is labeled A and B. The frame is labeled FFSS:1047³ and FFSS:2775⁵.

Component Labels: K431624, K520012, K520013, K520014, K520015, K520016, K520017, K520018, K520019, K520020, K520021, K520022, K520023, K520024, K520025, K520026, K520027, K520028, K520029, K520030, K520031, K520032, K520033, K520034, K520035, K520036, K520037, K520038, K520039, K520040, K520041, K520042, K520043, K520044, K520045, K520046, K520047, K520048, K520049, K520050, K520051, K520052, K520053, K520054, K520055, K520056, K520057, K520058, K520059, K520060, K520061, K520062, K520063, K520064, K520065, K520066, K520067, K520068, K520069, K520070, K520071, K520072, K520073, K520074, K520075, K520076, K520077, K520078, K520079, K520080, K520081, K520082, K520083, K520084, K520085, K520086, K520087, K520088, K520089, K520090, K520091, K520092, K520093, K520094, K520095, K520096, K520097, K520098, K520099, K520100, K520101, K520102, K520103, K520104, K520105, K520106, K520107, K520108, K520109, K520110, K520111, K520112, K520113, K520114, K520115, K520116, K520117, K520118, K520119, K520120, K520121, K520122, K520123, K520124, K520125, K520126, K520127, K520128, K520129, K520130, K520131, K520132, K520133, K520134, K520135, K520136, K520137, K520138, K520139, K520140, K520141, K520142, K520143, K520144, K520145, K520146, K520147, K520148, K520149, K520150, K520151, K520152, K520153, K520154, K520155, K520156, K520157, K520158, K520159, K520160, K520161, K520162, K520163, K520164, K520165, K520166, K520167, K520168, K520169, K520170, K520171, K520172, K520173, K520174, K520175, K520176, K520177, K520178, K520179, K520180, K520181, K520182, K520183, K520184, K520185, K520186, K520187, K520188, K520189, K520190, K520191, K520192, K520193, K520194, K520195, K520196, K520197, K520198, K520199, K520200, K520201, K520202, K520203, K520204, K520205, K520206, K520207, K520208, K520209, K520210, K520211, K520212, K520213, K520214, K520215, K520216, K520217, K520218, K520219, K520220, K520221, K520222, K520223, K520224, K520225, K520226, K520227, K520228, K520229, K520230, K520231, K520232, K520233, K520234, K520235, K520236, K520237, K520238, K520239, K520240, K520241, K520242, K520243, K520244, K520245, K520246, K520247, K520248, K520249, K520250, K520251, K520252, K520253, K520254, K520255, K520256, K520257, K520258, K520259, K520260, K520261, K520262, K520263, K520264, K520265, K520266, K520267, K520268, K520269, K520270, K520271, K520272, K520273, K520274, K520275, K520276, K520277, K520278, K520279, K520280, K520281, K520282, K520283, K520284, K520285, K520286, K520287, K520288, K520289, K520290, K520291, K520292, K520293, K520294, K520295, K520296, K520297, K520298, K520299, K520300, K520301, K520302, K520303, K520304, K520305, K520306, K520307, K520308, K520309, K520310, K520311, K520312, K520313, K520314, K520315, K520316, K520317, K520318, K520319, K520320, K520321, K520322, K520323, K520324, K520325, K520326, K520327, K520328, K520329, K520330, K520331, K520332, K520333, K520334, K520335, K520336, K520337, K520338, K520339, K520340, K520341, K520342, K520343, K520344, K520345, K520346, K520347, K520348, K520349, K520350, K520351, K520352, K520353, K520354, K520355, K520356, K520357, K520358, K520359, K520360, K520361, K520362, K520363, K520364, K520365, K520366, K520367, K520368, K520369, K520370, K520371, K520372, K520373, K520374, K520375, K520376, K520377, K520378, K520379, K520380, K520381, K520382, K520383, K520384, K520385, K520386, K520387, K520388, K520389, K520390, K520391, K520392, K520393, K520394, K520395, K520396, K520397, K520398, K520399, K520400, K520401, K520402, K520403, K520404, K520405, K520406, K520407, K520408, K520409, K520410, K520411, K520412, K520413, K520414, K520415, K520416, K520417, K520418, K520419, K520420, K520421, K520422, K520423, K520424, K520425, K520426, K520427, K520428, K520429, K520430, K520431, K520432, K520433, K520434, K520435, K520436, K520437, K520438, K520439, K520440, K520441, K520442, K520443, K520444, K520445, K520446, K520447, K520448, K520449, K520450, K520451, K520452, K520453, K520454, K520455, K520456, K520457, K520458, K520459, K520460, K520461, K520462, K520463, K520464, K520465, K520466, K520467, K520468, K520469, K520470, K520471, K520472, K520473, K520474, K520475, K520476, K520477, K520478, K52

Pos. 003, Quantity: 4
W.00.01, 02, 03, 04
Finish: -8S RAL
Job: Upper Campfield
Quotation Number: Q0924438
System: Aluprof MB-SLIMLINE Type A Burglar Resistance RC 2 Type 1
Exterior View



The image contains architectural drawings for a building facade and floor plan.

Facade Elevation (Top):

- Dimensions:** Total width is 3320 (860 + 1600 + 860). Total height is 3135 (725 + 2410).
- Central Entrance:** Features a diamond-shaped window with a height of 1544x646 and a width of 1600. The window is labeled "RHM".
- Side Panels:** Two side panels, each 781x3034, are flanking the central entrance.
- Labels:** "FFSS:1455" and "FFSS:2323" are visible near the central entrance.

Floor Plan (Bottom):

- Dimensions:** Total width is 3320. Total depth is 222.5 (123 + 99.5).
- Rooms and Corridors:** The plan shows a central entrance area with a diamond-shaped window, flanked by two side panels. The central area is labeled "K320150".
- Labels:** "K320150", "K413923", "K431624", "K320012", "K320013", "K320014", "K320015", "K320016", "K320017", "K320018", "K320019", "K320020", "K320021", "K320022", "K320023", "K320024", "K320025", "K320026", "K320027", "K320028", "K320029", "K320030", "K320031", "K320032", "K320033", "K320034", "K320035", "K320036", "K320037", "K320038", "K320039", "K320040", "K320041", "K320042", "K320043", "K320044", "K320045", "K320046", "K320047", "K320048", "K320049", "K320050", "K320051", "K320052", "K320053", "K320054", "K320055", "K320056", "K320057", "K320058", "K320059", "K320060", "K320061", "K320062", "K320063", "K320064", "K320065", "K320066", "K320067", "K320068", "K320069", "K320070", "K320071", "K320072", "K320073", "K320074", "K320075", "K320076", "K320077", "K320078", "K320079", "K320080", "K320081", "K320082", "K320083", "K320084", "K320085", "K320086", "K320087", "K320088", "K320089", "K320090", "K320091", "K320092", "K320093", "K320094", "K320095", "K320096", "K320097", "K320098", "K320099", "K320100", "K320101", "K320102", "K320103", "K320104", "K320105", "K320106", "K320107", "K320108", "K320109", "K320110", "K320111", "K320112", "K320113", "K320114", "K320115", "K320116", "K320117", "K320118", "K320119", "K320120", "K320121", "K320122", "K320123", "K320124", "K320125", "K320126", "K320127", "K320128", "K320129", "K320130", "K320131", "K320132", "K320133", "K320134", "K320135", "K320136", "K320137", "K320138", "K320139", "K320140", "K320141", "K320142", "K320143", "K320144", "K320145", "K320146", "K320147", "K320148", "K320149", "K320150", "K320151", "K320152", "K320153", "K320154", "K320155", "K320156", "K320157", "K320158", "K320159", "K320160", "K320161", "K320162", "K320163", "K320164", "K320165", "K320166", "K320167", "K320168", "K320169", "K320170", "K320171", "K320172", "K320173", "K320174", "K320175", "K320176", "K320177", "K320178", "K320179", "K320180", "K320181", "K320182", "K320183", "K320184", "K320185", "K320186", "K320187", "K320188", "K320189", "K320190", "K320191", "K320192", "K320193", "K320194", "K320195", "K320196", "K320197", "K320198", "K320199", "K320200", "K320201", "K320202", "K320203", "K320204", "K320205", "K320206", "K320207", "K320208", "K320209", "K320210", "K320211", "K320212", "K320213", "K320214", "K320215", "K320216", "K320217", "K320218", "K320219", "K320220", "K320221", "K320222", "K320223", "K320224", "K320225", "K320226", "K320227", "K320228", "K320229", "K320230", "K320231", "K320232", "K320233", "K320234", "K320235", "K320236", "K320237", "K320238", "K320239", "K320240", "K320241", "K320242", "K320243", "K320244", "K320245", "K320246", "K320247", "K320248", "K320249", "K320250", "K320251", "K320252", "K320253", "K320254", "K320255", "K320256", "K320257", "K320258", "K320259", "K320260", "K320261", "K320262", "K320263", "K320264", "K320265", "K320266", "K320267", "K320268", "K320269", "K320270", "K320271", "K320272", "K320273", "K320274", "K320275", "K320276", "K320277", "K320278", "K320279", "K320280", "K320281", "K320282", "K320283", "K320284", "K320285", "K320286", "K320287", "K320288", "K320289", "K320290", "K320291", "K320292", "K320293", "K320294", "K320295", "K320296", "K320297", "K320298", "K320299", "K320300", "K320301", "K320302", "K320303", "K320304", "K320305", "K320306", "K320307", "K320308", "K320309", "K320310", "K320311", "K320312", "K320313", "K320314", "K320315", "K320316", "K320317", "K320318", "K320319", "K320320", "K320321", "K320322", "K320323", "K320324", "K320325", "K320326", "K320327", "K320328", "K320329", "K320330", "K320331", "K320332", "K320333", "K320334", "K320335", "K320336", "K320337", "K320338", "K320339", "K320340", "K320341", "K320342", "K320343", "K320344", "K320345", "K320346", "K320347", "K320348", "K320349", "K320350", "K320351", "K320352", "K320353", "K320354", "K320355", "K320356", "K320357", "K320358", "K320359", "K320360", "K320361", "K320362", "K320363", "K320364", "K320365", "K320366", "K320367", "K320368", "K320369", "K320370", "K320371", "K320372", "K320373", "K320374", "K320375", "K320376", "K320377", "K320378", "K320379", "K320380", "K320381", "K320382", "K320383", "K320384", "K320385", "K320386", "K320387", "K320388", "K320389", "K320390", "K320391", "K320392", "K320393", "K320394", "K320395", "K320396", "K320397", "K320398", "K320399", "K320400", "K320401", "K320402", "K320403", "K320404", "K320405", "K320406", "K320407", "K320408", "K320409", "K320410", "K320411", "K320412", "K320413", "K320414", "K320415", "K

07 Steel door specification and sections

Metador defender PASguard door literature

Metador specification

Metador door elevations

Zoo satin stainless steel pull handle literature

Zoo stain stainless steel security escutcheon literature



Metador

Defender PASguard

PASguard is our PAS24 rated range, providing excellent certified protection, especially suited for residential use.





DDA Compliant



High Security

**MADE IN
BRITAIN**

PASguard is our range of doorsets which are third party tested to PAS24. Also known as Publicly Available Specification 24, PAS 24 is the preferred specification for enhanced security performance requirements for doorsets and windows in the UK. It sets out the minimum requirements and acceptable test criteria for products to resist attack from opportunistic crime.

Since 2015, Part Q of the Building Regulations has required doors and windows fitted to new dwellings to meet the requirements of PAS24. Whilst this does not currently cover replacement doors and windows, the Defender PASguard is a clear choice to bring security and peace of mind to residents and property owners alike. Tested configurations include single and double doorsets, inward and outward opening. Tested with our heavy duty vision panel cassette in various sizes.

Door Leaf

Manufactured from two 1.5mm Galvanised steel skins, folded and mechanically fixed to form a strong and rigid 45mm thick door leaf, filled with internal steel strengtheners and mineral wool for ultimate insulation. Anti-jemmy flanges to the leading edge of the leaf provide excellent jemmy resistance.

Frame

90mm frames are pressed from 2mm Galvanised steel to form a single rebated profile. Profiled headers form a smooth butt joint with the vertical posts and are joined together utilising strong M8 bolts to provide positive rigidity. The special fast fit frame is able to compensate for most irregularities in the opening with 16no threaded fixing adjusters per doorset. They permit a tolerance of up to 18mm on each side of the door. Shims and packers are not necessary making an extremely secure fix. Frames can be insulated if required.

Thresholds

DDA compliant 2mm stainless steel threshold bolted into the vertical frame posts. Available in outward opening, inward opening.

Seal

For optimum weather, thermal and acoustic performance, a tubular silicone/rubber is bonded into the frame rebate to ensure effective sealing of the door/frame gap.

Louvre

Our Extra Heavy Duty Louvre System has been successfully tested too. Made to measure, these louvres feature double folded louvre blades, fully welded 2mm steel cassette frames and 19mm vertical reinforcement rods.

Hardware

Door leaves are hung from 4no stainless steel hinges for smooth operation and optimum weather resistance. Security dog bolts secure the leaf into the frame if the hinges are attacked.

Tested and approved locking systems include:

1. Multipoint sashlock with manual operation.
2. Auto-deadlocking multipoint nightlatch with panic escape option and/or electro-mechanical upgrade for integration with access control systems.
3. Heavy duty panic hardware with optional external access device.

Door closers, door viewers and TS008 approved letter plates can all be incorporated.

Thermal Performance

We achieve a rating of 2.2W/m²K based on a door size of 1090mm x 2090mm WxH - values may vary slightly depending on size and finished colour of doorset.

Lower U-Value also available with **Thermaguard Technology** (* Patent Pending).

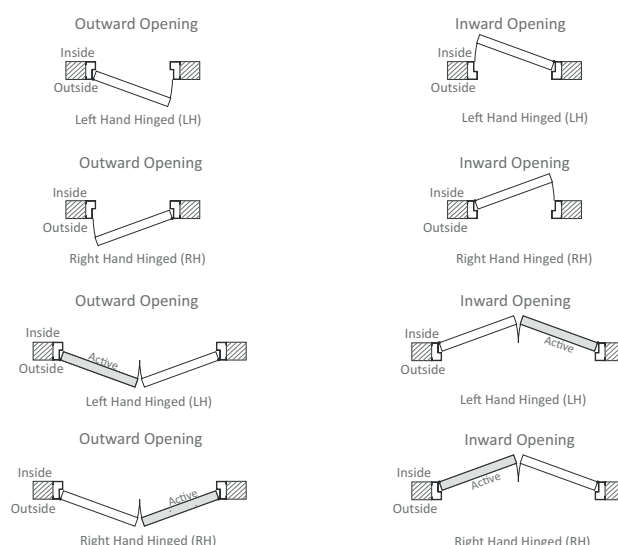
Finish

Available in any RAL or BS standard or marine-grade powder-coat finishes.

Structural opening sizes (mm)**

	Max width	Max height	Tested Sizes (WxH)
Single leaf	1470	2970	1050 x 2150
Double leaf	2860	2970	2240 x 2150

** Based on a 33mm wide frame. For oversized doors, please enquire.



**Made of
stronger
stuff.**

Britannia House, John Boyle Road,
Middlesbrough, TS6 6TY

T 01642 337119
E security@metador.com

Visit our website
www.metador.com

T J M Projects Ltd
Unit 10
Westside Industrial Estate
Jackson Street
St Helens
WA9 3AT

Date: 07/08/2024
Our Ref: Q103777-2
Your Order No:
A/C: TJMPROJE
Re: Upper Campfield

FAO: Brandon Wright

Dear Brandon

Thank you for your valued enquiry. We have much pleasure in submitting our proposals for the supply and delivery of the following steel hinged doors:

D - ED.00.05

1no. Metador Defender Safeguard double-leaf steel hinged doorset:

- * To suit a structural opening of 1600 x 2900mm WxH
- * Overall frame size of 1590 x 2090mm WxH
- * Extra high security 2mm galvanised steel louvred overpanel c/w 19mm dia round bar reinforcement & welded mesh to rear side 1590 x 800mm WxH within subframe - 69% free area - NOT PAS24 CERTIFIED OR THERMAGUARD RATED
- * Heavy duty door leaves with astragal - 1.5mm thick galvanised steel skin c/w Rockwool core
- * Heavy duty 2mm galvanised steel single rebate frame
- * Weatherseals
- * Stainless steel hinges c/w hinge bolts
- * Chamfered low profile stainless steel threshold - DDA compliant
- * Thermal upgrade - reduced U value of 1.4W/m²K - upgrade to 120mm single rebate frame
- * Insulated Frames
- * 70mm Door Leaf
- * Defender PASguard PAS24 Double Doorset Upgrade
- * Mortice deadlocking nightlatch c/w multi-point locking and Panic E function
- * Upgrade to motorised locking set
- * Concealed door loop with internal conduit
- * Double Thermaguard euro cylinder c/w 3 keys
- * Security escutcheons
- * Sprung tower bolts - 185mm + 185mm to inactive leaf
- * Pull handle 300x19mm SSS bolt through mounted from 1070mm to 1370mm FFL c/w 75x350mm push plate to opposite side - Fitted to both leaves
- * Double door finished in polyester powder coat to RAL - 7021
- * Outward opening
- * Left hand hinged - Handing to be confirmed (viewed from the 'pull to open' side)

Page 2 of 8

Designed to Protect



T J M Projects Ltd
Unit 10
Westside Industrial Estate
Jackson Street
St Helens
WA9 3AT

Date: 07/08/2024
Our Ref: Q103777-2
Your Order No:
A/C: TJMPROJE
Re: **Upper Campfield**

FAO: Brandon Wright

E - ED.00.07

1no. Metador Defender Safeguard double-leaf steel hinged doorset:

- * To suit a structural opening of 1402 x 2922mm WxH
- * Overall frame size of 1392 x 2090mm WxH
- * Solid framed overpanel 1392 x 822mm WxH - NOT PAS24 CERTIFIED
- * Heavy duty door leaves with astragal - 1.5mm thick galvanised steel skin c/w Rockwool core
- * Heavy duty 2mm galvanised steel single rebate frame
- * Weatherseals
- * Stainless steel hinges c/w hinge bolts
- * Chamfered low profile stainless steel threshold - DDA compliant
- * Fire Rating: E60
- * Thermal upgrade - reduced U value of 1.5W/m²K - upgrade to 110mm single rebate frame
- * Insulated Frames
- * 60mm Door Leaf
- * Defender PASguard PAS24 Double Doorset Upgrade
- * Mortice deadlocking nightlatch c/w multi-point locking and Panic E function
- * Upgrade to motorised locking set
- * Concealed door loop with internal conduit
- * Double Thermaguard euro cylinder c/w 3 keys
- * Security escutcheons
- * Sprung tower bolts - 185mm + 185mm to inactive leaf
- * Pull handle 300x19mm SSS bolt through mounted from 1070mm to 1370mm FFL c/w 75x350mm push plate to opposite side - Fitted to both leaves
- * Double door finished in polyester powder coat to RAL - 7021
- * Outward opening
- * Left hand hinged - Handing to be confirmed (viewed from the 'pull to open' side)

Page 3 of 8

Designed to Protect



T J M Projects Ltd
Unit 10
Westside Industrial Estate
Jackson Street
St Helens
WA9 3AT

Date: 07/08/2024
Our Ref: Q103777-2
Your Order No:
A/C: TJMPROJE
Re: **Upper Campfield**

FAO: Brandon Wright

G - ED.00.10

1no. Metador Defender Safeguard double-leaf steel hinged doorset:

- * To suit a structural opening of 1302 x 2120mm WxH
- * Overall frame size of 1292 x 2110mm WxH
- * Heavy duty door leaves with astragal - 1.5mm thick galvanised steel skin c/w Rockwool core
- * Heavy duty 2mm galvanised steel single rebate frame
- * Weatherseals
- * Stainless steel hinges c/w hinge bolts
- * Chamfered low profile stainless steel threshold - DDA compliant
- * Defender PASguard PAS24 Single Doorset Upgrade
- * Thermal upgrade - reduced U value of 1.4W/m²K - upgrade to 120mm single rebate frame
- * Insulated Frames
- * 70mm Door Leaf
- * Mortice deadlocking nightlatch c/w multi-point locking
- * Double Thermaguard euro cylinder c/w 3 keys
- * Security escutcheons
- * Sprung tower bolts - 185mm + 185mm to inactive leaf
- * Pull handle 300x19mm SSS bolt through mounted from 1070mm to 1370mm FFL c/w 75x350mm push plate to opposite side - Fitted to both leaves
- * Surface mounted closer Geze TS4000 (1-6) Universal SE Closer c/w adj backcheck - Fitted to both leaves
- * Single door finished in polyester powder coat to RAL
- * Outward opening
- * Left hand hinged - Handing to be confirmed (viewed from the 'pull to open' side)

T J M Projects Ltd
Unit 10
Westside Industrial Estate
Jackson Street
St Helens
WA9 3AT

Date: 07/08/2024
Our Ref: Q103777-2
Your Order No:
A/C: TJMPROJE
Re: **Upper Campfield**

FAO: Brandon Wright

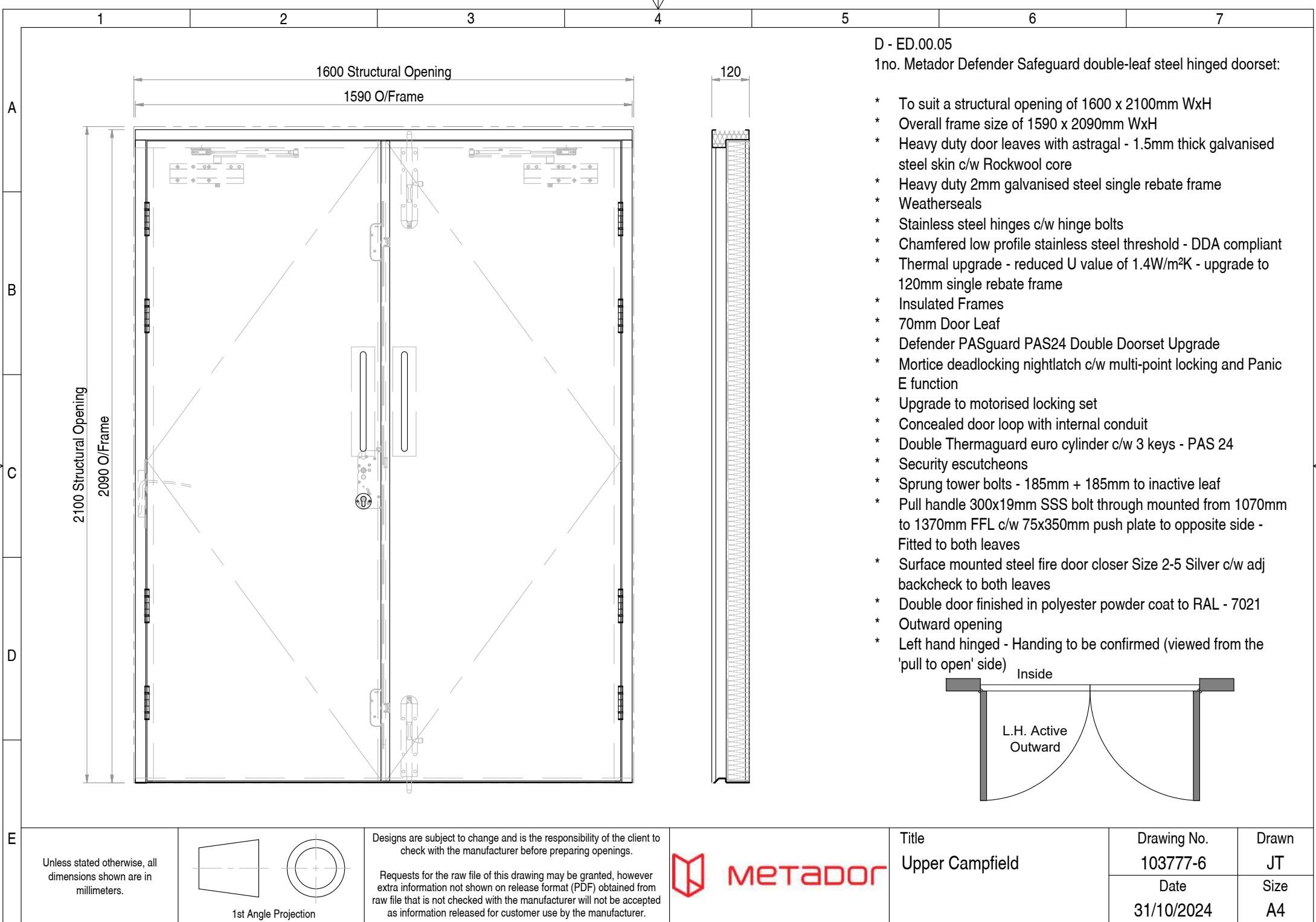
H - ED.00.11

1no. Metador Defender Safeguard single-leaf steel hinged doorset:

- * To suit a structural opening of 1310 x 2120mm WxH
- * Overall frame size of 1300 x 2110mm WxH
- * Heavy duty door leaf with astragal - 1.5mm thick galvanised steel skin c/w Rockwool core
- * Heavy duty 2mm galvanised steel single rebate frame
- * Weatherseals
- * Stainless steel hinges c/w hinge bolts
- * Chamfered low profile stainless steel threshold - DDA compliant
- * Defender PASguard PAS24 Single Doorset Upgrade
- * Thermal upgrade - reduced U value of 1.4W/m²K - upgrade to 120mm single rebate frame
- * Insulated Frames
- * 70mm Door Leaf
- * Mortice deadlocking nightlatch c/w multi-point locking and Panic E function
- * Upgrade to motorised locking set
- * Concealed door loop with internal conduit
- * Double Thermaguard euro cylinder c/w 3 keys
- * Security escutcheons
- * Pull handle 300x19mm SSS bolt through mounted from 1070mm to 1370mm FFL c/w 75x350mm push plate to opposite side
- * Surface mounted closer Geze TS4000 (1-6) Universal SE Closer c/w adj backcheck
- * Single door finished in polyester powder coat to RAL - 7021
- * Outward opening
- * Left hand hinged - Handing to be confirmed (viewed from the 'pull to open' side)

Designed to Protect

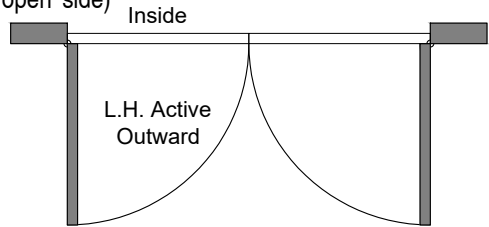




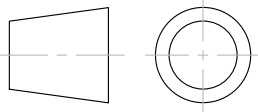
D - ED.00.05

1no. Metador Defender Safeguard double-leaf steel hinged doorset:

- * To suit a structural opening of 1600 x 2100mm WxH
- * Overall frame size of 1590 x 2090mm WxH
- * Heavy duty door leaves with astragal - 1.5mm thick galvanised steel skin c/w Rockwool core
- * Heavy duty 2mm galvanised steel single rebate frame
- * Weatherseals
- * Stainless steel hinges c/w hinge bolts
- * Chamfered low profile stainless steel threshold - DDA compliant
- * Thermal upgrade - reduced U value of 1.4W/m²K - upgrade to 120mm single rebate frame
- * Insulated Frames
- * 70mm Door Leaf
- * Defender PASguard PAS24 Double Doorset Upgrade
- * Mortice deadlocking nightlatch c/w multi-point locking and Panic E function
- * Upgrade to motorised locking set
- * Concealed door loop with internal conduit
- * Double Thermaguard euro cylinder c/w 3 keys - PAS 24
- * Security escutcheons
- * Sprung tower bolts - 185mm + 185mm to inactive leaf
- * Pull handle 300x19mm SSS bolt through mounted from 1070mm to 1370mm FFL c/w 75x350mm push plate to opposite side - Fitted to both leaves
- * Surface mounted steel fire door closer Size 2-5 Silver c/w adj backcheck to both leaves
- * Double door finished in polyester powder coat to RAL - 7021
- * Outward opening
- * Left hand hinged - Handing to be confirmed (viewed from the 'pull to open' side)



Unless stated otherwise, all dimensions shown are in millimeters.



1st Angle Projection

Designs are subject to change and is the responsibility of the client to check with the manufacturer before preparing openings.

Requests for the raw file of this drawing may be granted, however extra information not shown on release format (PDF) obtained from raw file that is not checked with the manufacturer will not be accepted as information released for customer use by the manufacturer.



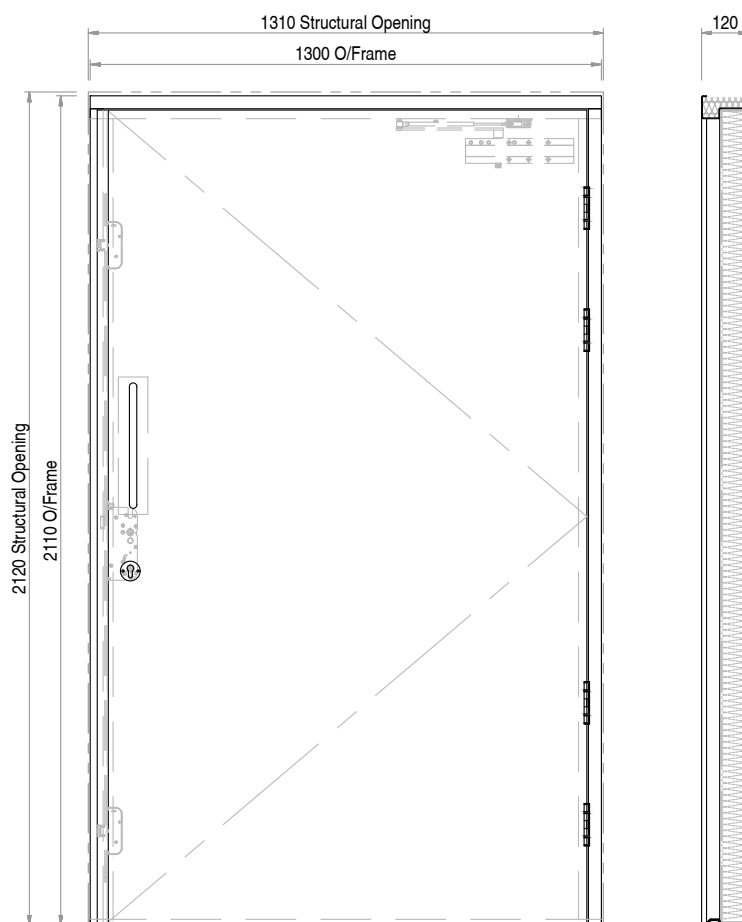
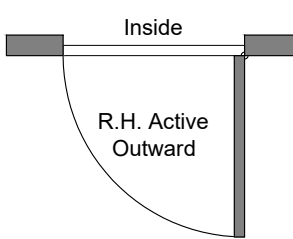
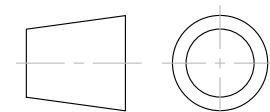
Title
Upper Campfield

Drawing No.
103777-6

Drawn
JT

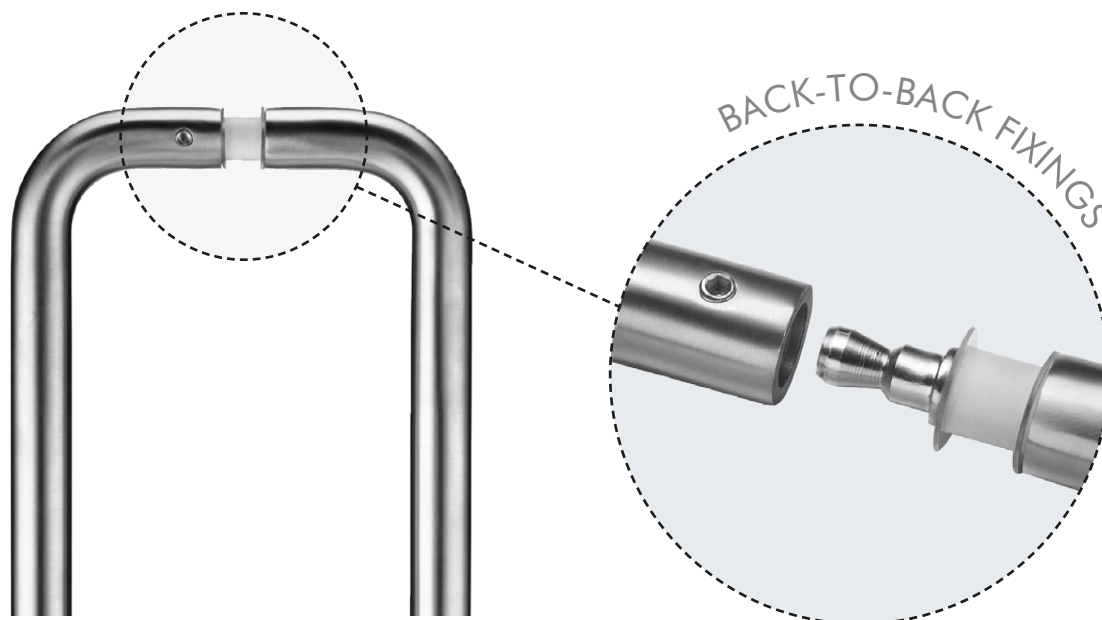
Date
31/10/2024

Size
A4

	1	2	3	4	5	6	7
A	G - ED.00.10 1no. Metador Defender Safeguard single-leaf steel hinged doorset: * To suit a structural opening of 1310 x 2120mm WxH * Overall frame size of 1300 x 2110mm WxH * Heavy duty door leaf with astragal - 1.5mm thick galvanised steel skin c/w Rockwool core * Heavy duty 2mm galvanised steel single rebate frame * Weatherseals * Stainless steel hinges c/w hinge bolts * Chamfered low profile stainless steel threshold - DDA compliant * Defender PASguard PAS24 Single Doorset Upgrade * Thermal upgrade - reduced U value of 1.4W/m²K - upgrade to 120mm single rebate frame * Insulated Frames * 70mm Door Leaf * Mortice deadlocking nightlatch c/w multi-point locking * Double Thermaguard euro cylinder c/w 3 keys - PAS24 * Security escutcheons * Pull handle 300x19mm SSS bolt through mounted from 1070mm to 1370mm FFL c/w 75x350mm push plate to opposite side - Fitted to both leaves * Surface mounted steel fire door closer Size 3-6 Silver c/w adj backcheck * Single door finished in polyester powder coat to RAL 7021 * Outward opening * Right hand hinged viewed from the 'pull to open' side						
B							
C							
D							
							
E	Unless stated otherwise, all dimensions shown are in millimeters.	 1st Angle Projection	Designs are subject to change and is the responsibility of the client to check with the manufacturer before preparing openings. Requests for the raw file of this drawing may be granted, however extra information not shown on release format (PDF) obtained from raw file that is not checked with the manufacturer will not be accepted as information released for customer use by the manufacturer.		Title Upper Campfield	Drawing No. 103777-6	Drawn JT
						Date 31/10/2024	Size A4

TECHNICAL SPECIFICATION SHEET

ZCS2D225BSBB - 425BSBB



CODE	FINISH
ZCS2D225BSBB	SATIN STAINLESS
ZCS2D300BSBB	SATIN STAINLESS
ZCS2D425BSBB	SATIN STAINLESS

PRODUCT SPECIFICATIONS

- 19mm diameter hollow tubular construction
- ☐ ZCS 201 grade material
- Supplied with back-to-back fixings
- Fire tested suitable for 30 & 60 min timber doors
- 10 year mechanical guarantee

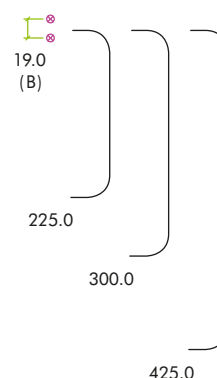
STANDARDS



SUITABILITY



TECHNICAL



CODE	DESCRIPTION	FINISH	ADDITIONAL INFO.
ZCS2D225BSBB – 425BSBB	"D" Back-to-back pull handles	SS	19mm diameter
 ARCHITECTURAL HARDWARE For more information please contact us today: Call: 01228 672900 Fax: 01228 672928 Email: sales@zoo-hardware.co.uk Web: www.zoohardware.co.uk ZOO Hardware Ltd, Unit B, Dukes Drive Kingmoor Park North, Carlisle, Cumbria CA6 4SH  URS is a member of Registrar of Standards (Holdings) Ltd.			

TECHNICAL SPECIFICATION SHEET

ZAS008



CODE

ZAS008SS

FINISH

SATIN STAINLESS

PRODUCT SPECIFICATIONS

- ☐ Pick & drill resistant cylinder cover
- ☐ Hardened steel insert
- ☐ Dimensions: 53mm dia.
- ☐ Supplied with bolt fixings
- ☐ 10 year mechanical guarantee

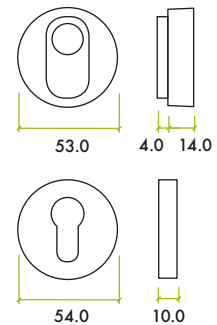
STANDARDS

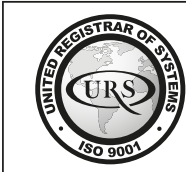


SUITABILITY



TECHNICAL



CODE	DESCRIPTION	FINISH	ADDITIONAL INFO.
ZAS008SS	Security escutcheon	SS	53mm diameter rose
	For more information please contact us today: Call: 01228 672900 Fax: 01228 672928 Email: sales@zoo-hardware.co.uk Web: www.zoohardware.co.uk ZOO Hardware Ltd, Unit B, Dukes Drive Kingmoor Park North, Carlisle, Cumbria CA6 4SH		 
			URS is a member of Registrar of Standards (Holdings) Ltd.