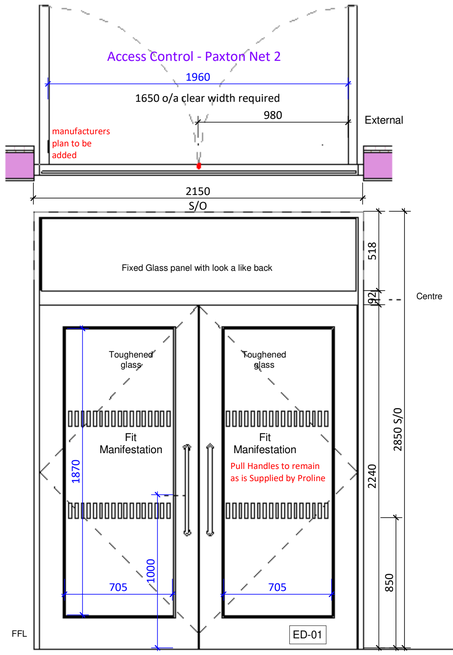
Aluminium External Doors



Type 1: Main Entrance

Locations: ED-03 East Elevation
Quantity: 1
None Thermally broken Commercial High Usage Doors
Metal Technology System 5/20D Hi Double Doors
Providing an Entrance and Means of Escape
Structural Opening: 2150w x 2410h
Door 2130 x 2110h plus glazed overpanel
Panel Size: Manufacturer to confirm
Fire resistance : Nil
IRONMONGERY:

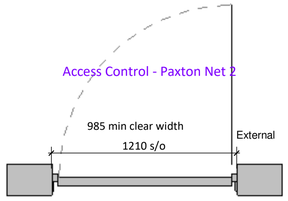
- 1 1/2 hinges per leaf
- Stainless steel pair of 400 D handles both sides of doors etched Push Pull
- Overhead door closers - Dorma TS93 slide arm closer /Auto Opening?
- Euro profile security cylinder (Externally) [out of hours lock off]
- Discs Automatic Door Keep Clear to both outer leaves

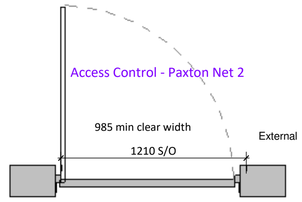
Ironmongery by Others

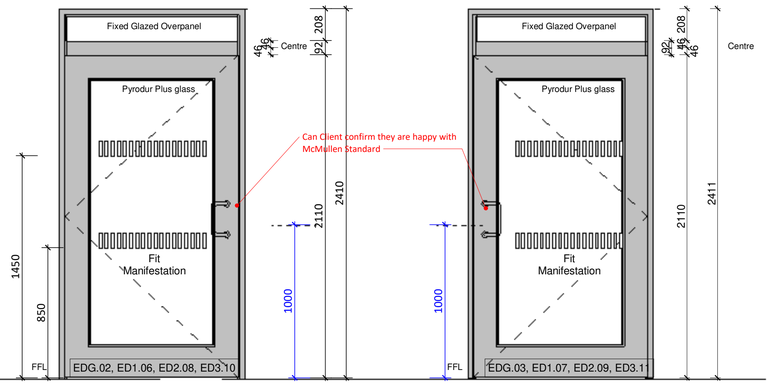
- 12vdc Fail insecure electric magnetic locks per leaf with fail safe upon fire alarm signal.
- Paxton Net 2 Access proximity Reader to entry side of door
- Door Controller with battery supported by power supply
- Heavy duty push to exit button
- Green break glass on exit side of the door
- Manifestation
- Hooped Door Guards externally



McMullen Side arm closer for Type 1, 2 & 3 doors







Type 2: Secondary Means of Escape To external escape North elevation

Type 3: Secondary Means of Escape To external escape on South elevation

Locations: North and South Elevations
Quantity 30 min FR: **3no** Type 2, **3no** Type 3 - (identical except for handing)
Quantity NFR: **1no** Type 2, **1no** Type 3 - (identical except for handing) - Third Floor ED3.10 and ED3.11
Thermally Broken Doors
Metal Technology System 5/20 Single Doors
Structural Opening: 1210w x 2410h
Door 1190 x 2110h plus glazed overpanel
Panel Size: Manufacturer to confirm
Fire resistance : 30 minutes
IRONMONGERY:

- 1 1/2 hinges per leaf
- Stainless steel 300 D handles both sides of door
- Overhead door closer
- Fire Escape Push Pad to internal face of door
- Standard McM ODonnel Pull to external face of door
- 4no Sticky Discs: 'Fire Door Keep Clear'

Ironmongery by Others

- 12vdc Fail insecure electric magnetic lock with fail safe upon fire alarm signal.
- Paxton Net 2 Access proximity Reader to entry side of door
- Door Controller with battery supported by power supply
- Heavy duty push to exit button
- Green break glass on exit side of the door
- Manifestation
- NO Hooped Door Guards externally as means of Escape only

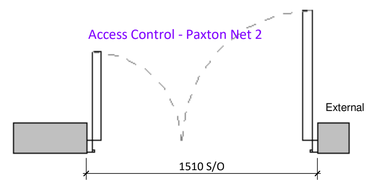
There is no requirment for the Third Floor Escape Doors to be Fire Rated as this is the top floor and no one will be escaping past the doors.
The Ground, First and Second Floor require fire rating for Integrity and Insulation as occupants from the Upper Floor will escape past the doors

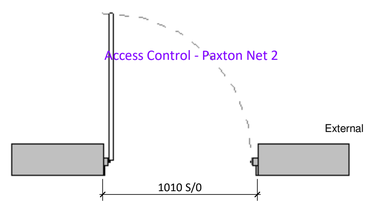


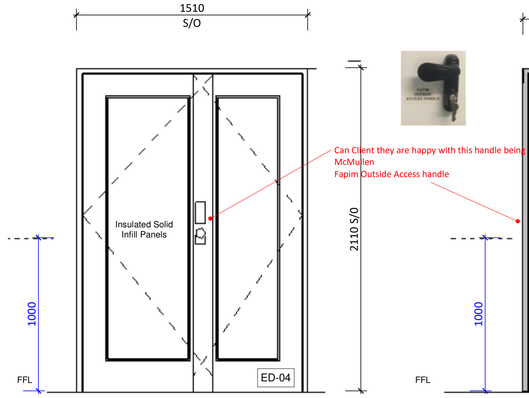
Fapim hinges for all external doors



Mila 300 Pull handle for Type 2 & 3 doors







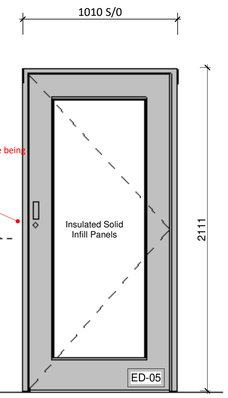
Type 4: Plantroom Access

Location: South Elevation
Quantity: 1
Rebated Meeting stile
Thermally Broken Doors with Insulated infill panels (no glass)
Metal Technology System 5/20 Double Doors (1/2 leaf)
Structural Opening: 1510w x 2110h
Door 1490 x 2090h split to provide 800 clear to Master
Panel Size: Manufacturer to confirm
Fire resistance : Nil
IRONMONGERY:

- Fapim Loira 1 1/2 hinges per leaf
- Standard McMoD Pull Handles
- Multi point lock and cylinder [Secure Use] -
- Snib release to internal face of door
- Axim overhead door closer both doors
- Bolts fitted to slave leaf

Ironmongery by Others both Plantroom doors

- 12vdc Fail insecure electric magnetic lock with fail safe upon fire alarm signal.
- Paxton Net 2 Access proximity Reader to entry side of door
- Door Controller with battery supported by power supply
- Heavy duty push to exit button
- Green break glass on exit side of the door
- Manifestation
- NO Hooped Door Guards as plantroom access only - doors would be shut when in use



Type 5: Plantroom Access

Location: West Elevation
Quantity: 1
Thermally Broken Door
Metal Technology System 5/20 Single Door with insulated infill panels - no glass
Structural Opening: 1010w x 2110h
Door 990 x 2090h
Panel Size: Manufacturer to confirm
Fire resistance : Nil
IRONMONGERY:

- Fapim Loira 1 1/2 hinges per leaf
- Standard McMoD Pull Handles
- Multi point lock and cylinder [Secure Use] -
- Snib release to internal face of door
- Axim overhead door closer both doors

Doors Generla
Supporting Structure:
Timber framed modular building framed out with secondary steelwork to modular company design.
Cross Reference drawings:
Please refer to:
A3-001 External UPVC Window Schedule
A3-005 External Aluminium Door Schedule

Colour:
Window Frame Outside - RAL 7015 Grey
Window Frame Inside - RAL 9003 White

External Door Frame - RAL 7015 Grey
External Escape Doors - RAL 7015 Grey
External Entrance Doors (1no) - RAL 7015 Grey
Client to confirm final Grey colour before manufacture

The handing of the door is indicated on plan , refer to A2-001, 002, 004 Setting Out Plans
Hinges : the arrow points towards the hinge
Fixing of Doors:
Fixing back to the timber frame at 300mm centres set so that the Aluminium flashing to the external face of the doors is set behind the Cladex cladding to allow a silicone seal
Sealing to structure to be sealed with
Iso Chemie Bloco One or equivalent EPDM Joint sealing tape providing
i) vapour resistance to the inside
ii) thermal and sound insulation, and
iii) 1,000 Pa resistance to driving rain on the outside.]

EXTERNAL ALUMINIUM DOORS: SPECIFICATION
Framing: Polyester Powder Organic Coated Aluminium to BS EN 12206-1.
Colour Grey (see general specification above for RAL colour)

Manufacturer: Entrance Doors Type 1:
Metal Technology System 5-20D/Hi+ High usage
Thermal and Secure Entrance doors to BS 6375 and PAS 23/24

Manufacturer: Entrance Doors Type 2& 3:
Metal Technology System 5-20D Standard usage
Thermal and Secure Entrance doors to BS 6375 and PAS 23/24

All glazed doors are to be fitted with Electronic maglocks to be connected to the Paxton Net 2 system
Manufacturer to allow for wireways through transoms/mullions for wiring to be brought to the heads of doors.

Weather:
Air infiltration BS EN 1026: class 4 at 600Pa
Watertightness BS EN 1027: Class 9A at 600Pa
Wind Resistance BS EN 12211: Class E2400 at 3600Pa
Wind Loading: 1200 Pa

U-Value:
Outer frame and Open Out doors 5-20D Hi+ 2.4 w/m²k
Single Door - Centre Pane whole door U value 1.1 w/m²k achieves 1.66
Double Door - Centre Pane whole door U value 1.1 w/m²k achieves 1.69
Energy Rating B

Security
Doors achieve PAS 24 enhanced security and follow Secure by Design principles.
Fabricator advise elements that dont fully comply with Secure by Design

Construction
Frame and door sash members are 45º mitre cut.
Corners are reinforced.
Mullions and Transoms are square cut, shaped and fixed securely to the frame by means of stainless steel screws and fixing cleats.
All frame joints are sealed during construction against entry of water using Metal Tec 2 part adhesive.
Fixing: Only A2 or A4 austentic stainless steel fixing screws are to be used
Externally glazed
Fixing to Timber Frame abutment horizontally, and vertically into the frame head

Ironmongery / Hardware to ALL External Doors :
Access Control
All External Doors are to be fiited with Access Control [Paxton Net 2] as part of the Electrical Sub Contract, Door manufacturer to leave wireways in the frame to allow cables to be brought through transoms from the ceiling zone to the top of each door fittings to be fitted as part of Ironmongery and data install - see above for specific Ironmongery for each door

20mm PVC conduits are to be brought through behind hte plasterboard wall lining above each door, with cable tray provision in the ceiling voids.

Glass Specifiaction: Entrance Door Type 1
28mm Double Glazed units.
Outer: 6mm Pilkington SunCool 70/35 - Toughened
16mm Swiss V Spacer - 90% Argon filled
Inner: 6.4mm Pilkington OptiFloat - Laminated to Entrance

G Factor 35%
Light Transmittance 70%
Total Shading Coefficeint 43%

Glass Specifiaction: Escape Doors Type 2 & 3
28mm Double Glazed units.
Outer: 6mm Pilkington SunCool 70/35 - Toughened
16mm Swiss V Spacer - 90% Argon filled
Inner: 6.4mm Pilkington OptiFloat - Laminated to Entrance
Inner : 6mm Pyrodur Plus to Ground Floor Escape Doors
Inner: 6mm Pyrodur to 1st, 2nd and 3rd Floor Escape Staircase

South elevations doors will be screened by Staircase cladding - no obscure glass therefore installed
Toughened safety glass to be provided in accordance with Part K diag 5.1.:-
All doors within 1500m off FFL
All glass to side panes to doors or in windows within 300mm vertically where siding a door

Manifestations to conform to Part M of the Building Regulations Regtangular MF001 Squares

Plant Room Doors - with Solid Infilled Panels
Metal Technology system 5/20: (MMD to confirm)

Threshold Strips
Threshold strip to be provided to all Entrance doors compliant with Part M to provide level threshold.
Threshold strip to Plantroom door does not to be Part M compliant

The External Escape Staircase doors are to be provided with a Steel Angle at the threshold of the door to link the escape with the External staircase landing, this will act as a threshold strip
Fit brush seals to the base of the Escape doors.

ITEMS SUPPLIED BY OTHERS: FOR EXTERNAL DOORS

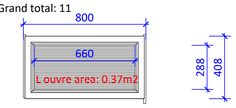
- Manifestations: Window Film type MF001 - squares windowfilm.co.uk
- Maglocks: Supplied by Ironmonger wired by Electrical Sub Contractor
- Auto Opening with sensors on both sides of EDG-01 door (this door has been shown to auto open as the main Entrance - Cleint to Confirm)

Please note:
External doors with Maglocks are set to 'Fail closed' upon activation of fire alarm, this will ensure the building is secure on fire alarm.
These doors will have a green push to exit on the inside of the door, which will open the door for final escape from the building.

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CDM: Work must not start on site before a Construction Phase Health and Safety Plan is in place (if applicable). The Client is responsible for ensuring that a Principal Designer and/or Principal Contractor has been appointed and the Health and Safety executive have been notified (for projects which will involve more than 500 person days and/or will last more than 30 working days on site).....IF IN DOUBT ASK.

Rev	Drawn	Comments	Date
	BSP	External Door Schedule Issued for Pricing SignOff	26 Nov 2020
1	BSP	Plantroom Layout Hold Final Design not Complete	1 Dec 2020
2	BSP	RAL Colour for External Windows and Doors confirmed with Client	4 Dec 2020
	BSP	External Louvers moved from External Window Schedule to External Aluminium Scheule A3-005	7 Dec 2020
3	BSP	Plantroom door Spec amended to suit changes to plantroom	14 Dec 2020
4	BSP	Client comment mark up for Price	18 Dec 2020
5	BSP	External Doors: Overpanel to Entrance increased in height at Client request, Ironmongery images shown	23 Dec 2020

External Door Counts
Type Mark
Type 1
Type 1: 1
Type 2
Type 2: 4
Type 3
Type 3: 4
Type 4
Type 4: 1
Type 5
Type 5: 1
Grand total: 11



Type 7
Louvered apperture to Toilets

This louver is set to align with the head of windows on the front elevation , and needs to be carefully trimmed as it fits between bracing bays

This Louver will be manufactured in Aluminium and **procured through the Mechanical package** not by External Door Fabriactor 8no

External Louvers
1 : 20

Fabricator/Manufacturer Plan Details to be added to determine final achieved Clear Widths

Specification in Black relates to Ironmongery items provided by Door Fabricator
Specification in Blue relates to Ironmongery/ other fixtures items provided by Others [not provided by Door Fabricator]
Specification in Purple relates to Items supplied by Others [not provided by Door Fabricator]



ESS modular

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Architects : Conservation : Interior Architecture : Landscape

Client
North Manchester University Hospital NHS Foundation Trust

Project
North Manchester General Hospital
Eyam Road, Crumpsall, Manchester M8 5RL
Project: Modular Decant Offices

Title
Pictoral Aluminium External Door Schedule

Package **09 Openings Components**
Dwg Stage
RIBA Stage 4: Building Regulations
Dwg Status
Date **23 Nov 2020**
Drawn **BSP**
Scale @A1 **As indicated**
Checked

Project No	Originator	Block	Level	File Type	Role Element	Drawing No NNN	Rev
20-074	-BPA-OB-			XX-DR-		A3-005	T 5

Print Date: 23/12/2020 16:23:16
ESS Project No:
A1

Client Comments - adjust price