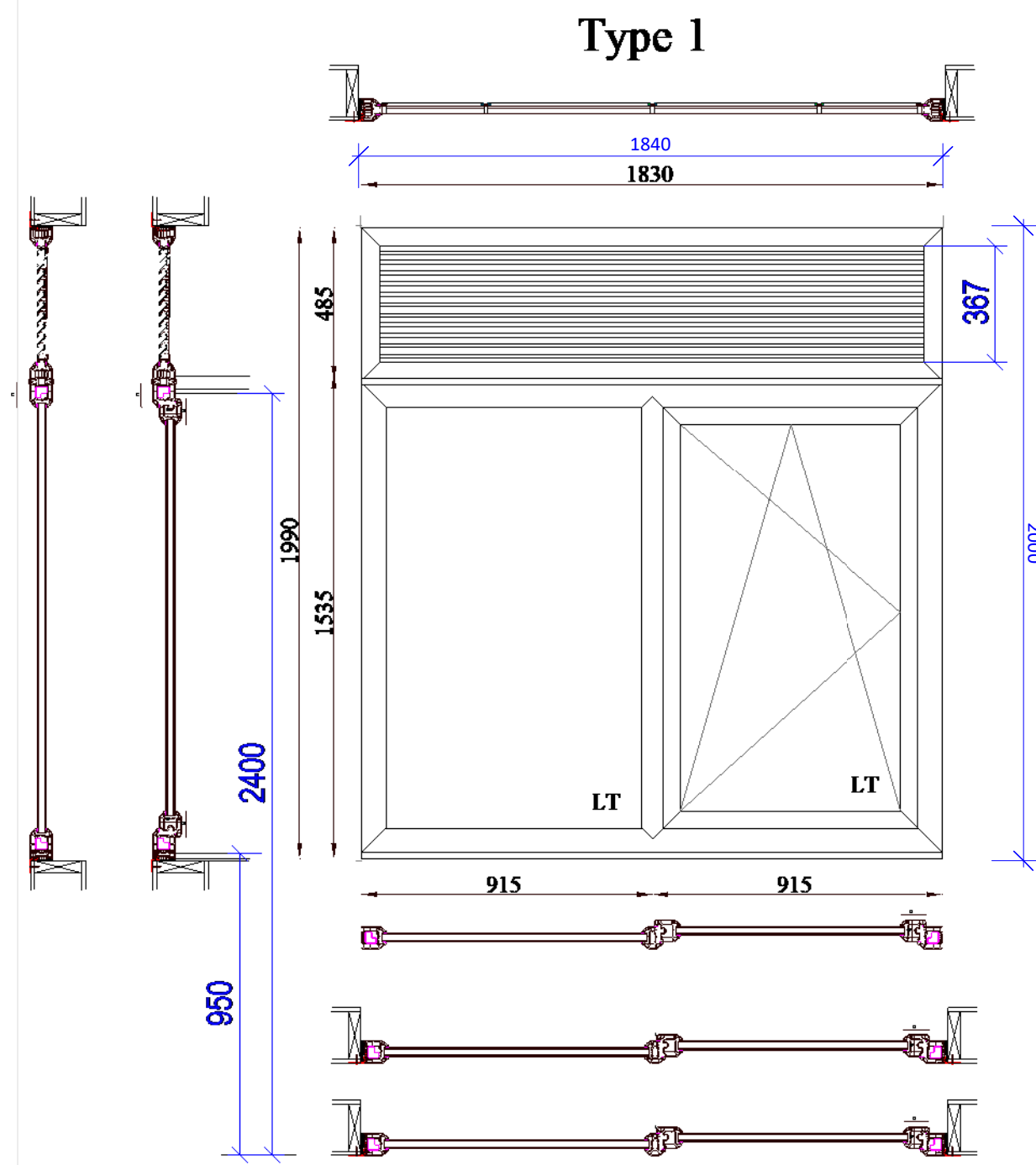
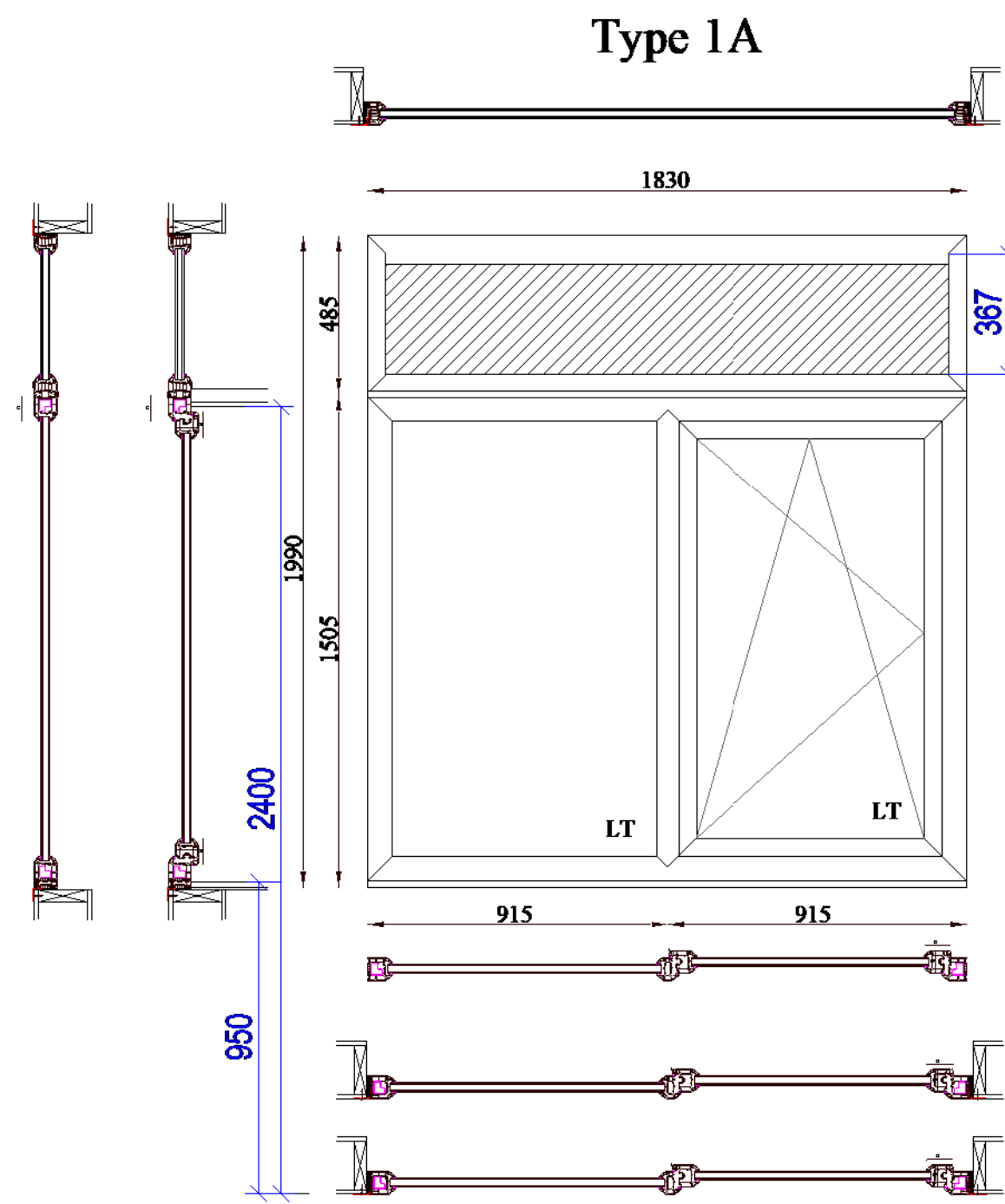


Window Counts							
Type	Model	Construction Type	Rough Width	Rough Height	Sill Height	GlazingPanelMaterial	FireRating
Window Type 1	Type 1	UPVC	1850	2000	950	GLASS-Clear- SunCool70/35	
55							
Window Type 1a	Type 1a	UPVC	1850	2000	950	GLASS-Clear- SunCool70/35	
16							
Window Type 2	Type 2 - FR	UPVC	2000	1485	950	GLASS-Clear - Pyrodur&Opal	30 mins
4							
Window Type 3	Type 3	UPVC	1984	1485	950	GLASS-Clear- SunCool70/35	
4							
Window Type 4	Type 4 Obscure	UPVC	1850	1485	950	GLASS-Clear - Opal	
3							
Window Type 5	Type 5 - FR Obscure	Timber	1850	1485	950	GLASS-Clear - Pyrodur&Opal	30 mins
3							
Window Type 6	Type 6	UPVC	900	2000	950	GLASS-Clear- SunCool70/35	
1							
Window Type 6a	Type 6a	UPVC	900	2000	950	GLASS-Clear- SunCool70/35	
18							
Grand total: 104							

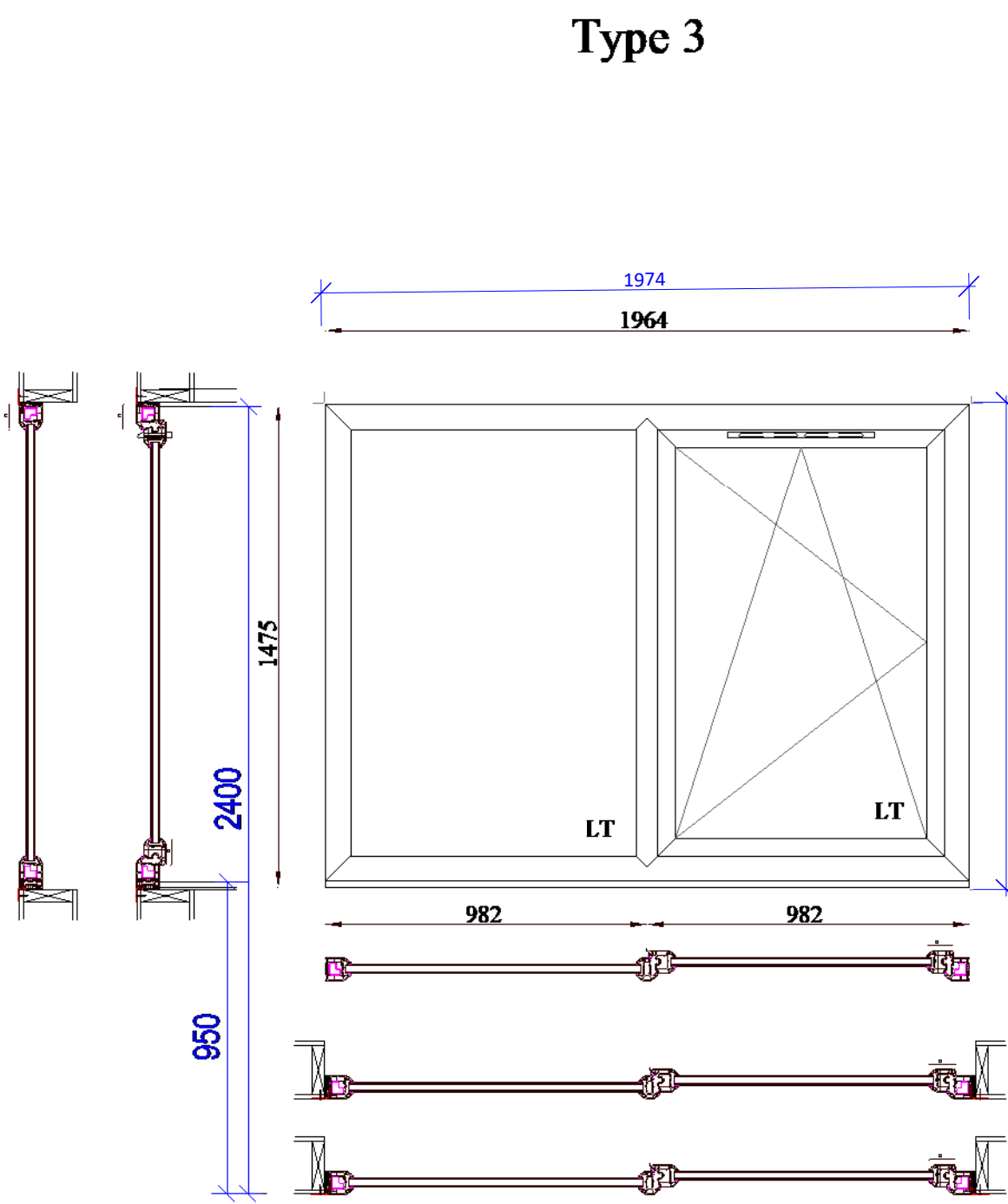
Type 1
Standard Window
West and East Elevation
Louvered overpanel aligned with ceiling void



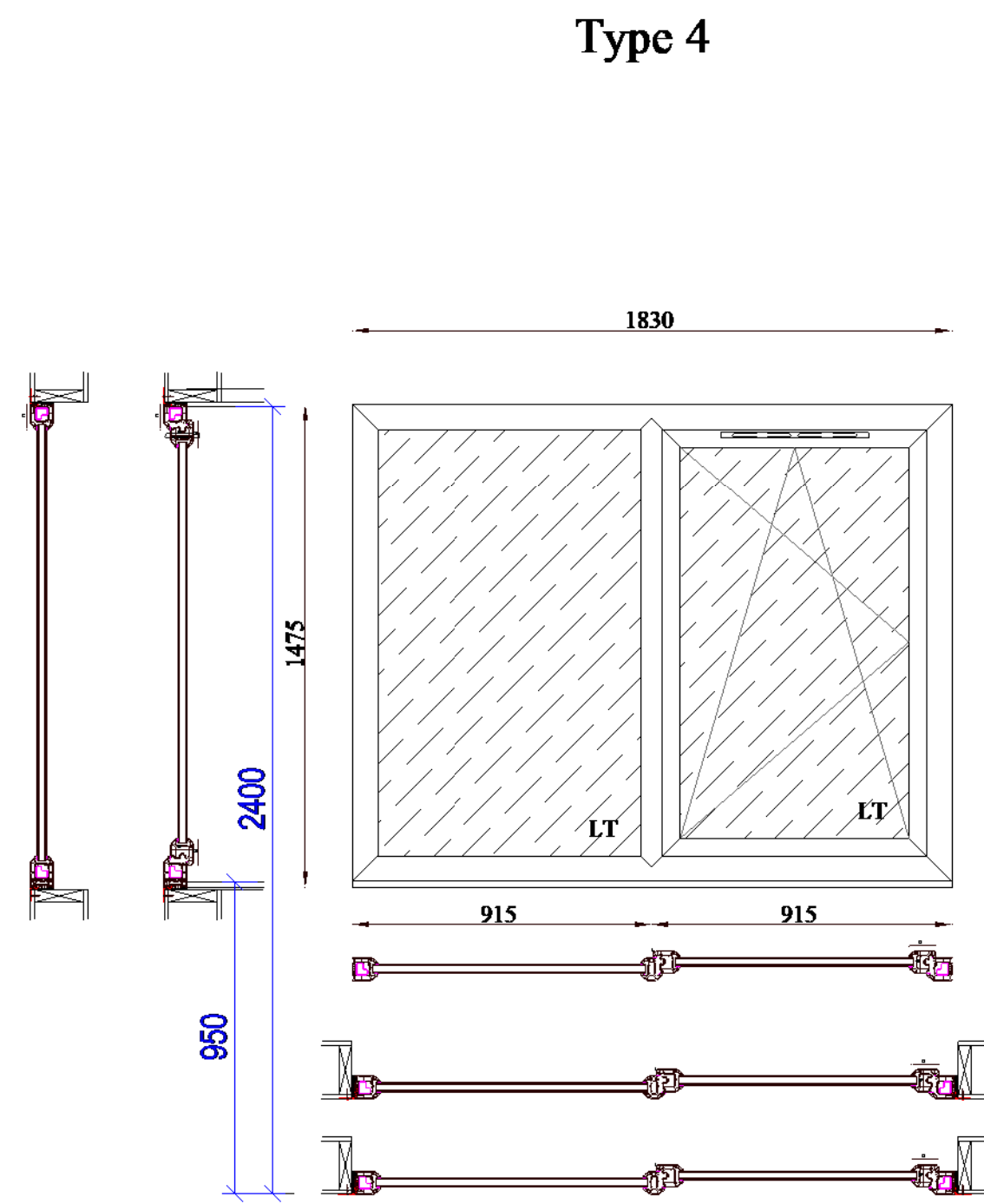
Type 1a
Standard Window
Insulated overpanel in lieu of louver to upper panel



Type 3
Non fire rated window
North Elevation
This window has been sized to suit Two Cladding panel widths on the North elevation, so that it can be seen in the same line when walking down the corridor Siberian Larch cladding to be returned into the reveals



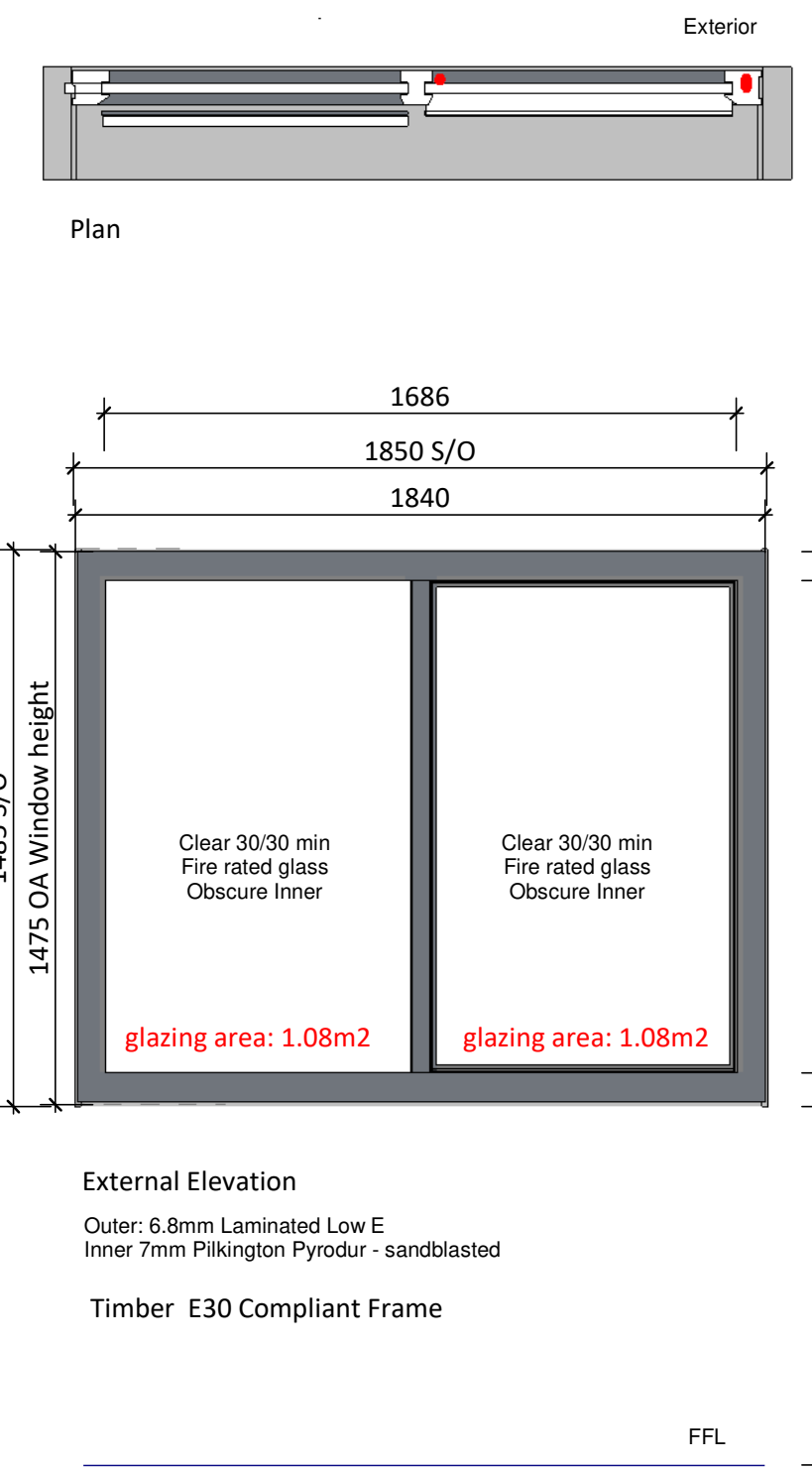
Type 4
Non fire rated & obscure Level 5 glass
South Elevation
This window has been sized to match the width and position of the corresponding window on the North elevation, so that it can be seen in the same line when walking down the corridor Siberian Larch cladding to be returned into the reveals



Type 2
E30 Fire rated window
North Elevation
This window has been sized to suit Two Cladding panel widths on the North elevation, so that it can be seen in the same line when walking down the corridor Siberian Larch cladding to be returned into the reveals



Type 5
E30 Fire rated Window
Fire rated glass and obscure Level 5 glass
South Elevation
This window has been sized to suit Two Cladding panel widths on the North elevation, so that it can be seen in the same line when walking down the corridor Siberian Larch cladding to be returned into the reveals

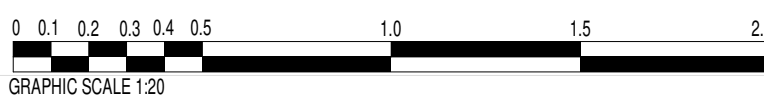


Windows to the Office Block except FR Windows :
Window framing to be UPVC with built in louvered overpanels where shown
For Aluminium Entrance doors refer to A3-005
Colour: Grey outer White inner see colour schedule key top right
Manufacturer:
Operation: Tilt Turn
Thermally Enhanced Double Glazed Casement Windows.
1) Sashes are tilt-in - restricted
2) Sashes are turn - for cleaning (Management control)
Tilt Turn gearing - Maco
3) Fixed lights externally beaded.
4) Sashes internally beaded.
DuoPlus 60 - above fixed window as shown
Permanvent ventilation where shown
U-Value:
Double Glazed: 28mm 1.3 w/m2k - this project
Manifestations
No windows require manifestation
Frames:
Frame: 70 * 77mm uPVC frame
Sash: 70*82 T&T sash
UPVC: Return leg to jamb and head to cover Plastisol/sheathing
Cills: Return led to cover Plastisol/sheathing
Drip: Clip fit drip rail to frames above opening lights.
Security: Secure By Design: PAS 24 Certified Ground floor only
Windows fitted with certified hardware and laminated glass
All other floors standard windows.
Permeability and Wind Loading
Air: 500 Pa
Water: E1050 Pa
Wind: AE2400 Pa
Ironmongery / Hardware:
Window Ironmongery (Tilt and turn sashes):
• Stainless Steel hinges
• FR Uni hinge
• Maco Rail Espaginet
• Roto TSL Espag
• Keyed locking handles to ground floor (Secure by Design)
• Manual handles to the upper floors
All opening windows are to be mounted below the requirement for Teleflex mechanisms - no teleflex will therefore be required
Safety Restriction:
• All windows to be fitted with Window Restrictor safety catch to prevent the windows being opened fully
• Managed cleaning would be by restricted key operation.
Window Cills have been set at a height to prevent falling through open windows

Glass Specification: Clear Glazed Units.
28mm Double glazed units.
Outer: 6mm Pilkington Tuf SunCool 70/35 OW.
16mm Swiss V Spacer - 90% Argon filled - black
Inner: 6.8mm Clear laminated
Glass Specification: Obscure Glazed Type 4
28mm Double glazed units.
Outer: 6mm Pilkington Tuf SunCool 70/35 OW.
16mm Swiss V Spacer - 90% Argon filled - black
Inner: 6.8mm Clear laminated - OBSCURE
G Factor 37%
Light Transmittance 69%
Total Shading Coefficient 43%
Centre Pane U value should achieve 1.3 w/m²k
Toughened safety glass to be provided in accordance with Part K diag 5.1.-:
All glass within 800mm off FFL
All doors within 1500mm off FFL
All glass to side panes to doors or in windows within 300mm vertically where siding a door
FR Glazing : Pilkington Pyrodur
Type 2 & 5 are within 1.8m of Fire Escape door and the outer pane of glass should therefore be fire rated
Obscure Glazing : to Level 5 Pilkington's Optifloat Opal
All windows on the South elevation require obscure (not opaque) glazing due to proximity of residential properties.
the Pyrodur glass is to be sand blasted to achieve obscurity
Overpanels on the South and North elevation
M&E have confirmed where they do not require mech connection
Blanking Panels to the West and East Elev where Louvers not provided
Where louvers are not required to the window panes the upper overpanel will be fitted with an insulated blanking panel to match the appearance of windows

FR Frames:
Frame: 90 x 52mm outer frames Timber
Mullions: 52mm uPVC
UPVC: Return leg to jamb and head to cover Plastisol/sheathing
Cills: Sealed joint to junction with Plastisol/sheathing
Drip: Clip fit drip rail to frames above opening lights.
To be installed by a certified installer
Window Controls
Window controls required at a height of 1.7m (if obstructed) or 1.9m if unobstructed
This does not apply to any windows on this project.
Trickle Vents to be provided 2no per large Office (8 per floor) - mounted above the fixed window to provide background ventilation to Part F
These are to be located over the upper fixed window pane - as indicated on the schedule
Cleaning
The specified UPVC windows are Tilt and Turn
The Tilt will be Free action in the tilt mode, fitted with a wired restrictor, and Key operation to allow the casement to open to provide ability to clean from the inside of the building.
External full window and frame cleaning from a cherry picker could be provided once every six months timed when the external rainwater gutters and rooflight are cleaned.
Window Cill
The window cill has been set at 950mm fro FFL to allow for
• 750 to 800 desk height
• A 150 high 3 compartment trunking will be fixed to the wall immediately below the window cill,
• with the space between the desk and the bottom of the 150mm high 3 compartment trunking being left spare to allow for plug cable clearance

Windows:
All opening lights to be top hung casement to open OUT as indicated, the arrow points towards the hinge.
The handing of the opening light is indicated on plan
Hinges : the arrow points towards the hinge
Fixing of Windows:
Fixing with window cramps offsite set so that the face of the window frame is flush with the sheathing board, and the Cladding abuts the window frame.
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 Windows and Doors:
Timber framed modular building framed out with timber studs 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 external - RAL 7015 Grey
Window Frame internal - RAL 9003 white
Door Frame - RAL 7015 Grey
Door Leaf Escape Doors - RAL 7015 Grey
Door Leaf Entrance Doors (1no) - RAL 7015 Grey
Cladding
Plastisol Cladding Colour: Oyster Prisma - smooth (equiv RAL 7035)
Horizontal cover flashings to floor Joints to be RAL 7035 to match
Mech Toilet Louvers
to be RAL 7035 to match the cladding



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Rev	Drawn	Comments	Date
1	BSP	Record of original Window Schedule	20 Nov 2020
2	BSP	Mech Sub Contractor confirms no Louver overpanels required to North and South elev	20 Nov 2020
3	SS	Window Type 2 and 5 corrected to Fixedturn opening	23 Nov 2020
4	BSP	Lower panels above windows positions confirmed	24 Nov 2020
5	BSP	Mech contractor confirms size of toilet louvers OK and that the louvers need to be aligned near the top of the Mech zone to OA window height needs to be on RAL Colour for External Windows and Doors confirmed with Client	25 Nov 2020
BSP		External Louvers moved from External Window Schedule to External Aluminium Schedule A3-005	7 Dec 2020
6	BSP	External Windows adjusted to Tilt Turn Spec adjusted to suit Fire rated windows split into 3 panes to suit FR window Glass data	7 Dec 2020
7	BSP	FR Windows Cross checked against Grady RC025	21 Jan 2021
8	SS	Construction Issue	

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
Pictorial UPVC Window Schedule - A0
Package 09 Openings Components
Dwg Stage Dwg Status
RIBA Stage 4: Building Regulations
Date 17 Nov 2020
Scale @A0 1:20
Project No 20-074-BPA-OB-XX-DR- A3-001 C 8
24/07/2021 14:59:10