

L10

Windows/ Rooflights/ Screens/ Louvres

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To be read with Preliminaries/ General conditions.

GENERAL

110 EVIDENCE OF PERFORMANCE

- Certification: Provide independently certified evidence that all incorporated components comply with specified performance requirements.

120 SITE DIMENSIONS

- Procedure: Before starting work on designated items take site dimensions, record on shop drawings and use to ensure accurate fabrication.
- Designated items: All window opening sizes to be re-confirmed with the Architect .

140 CONTROL SAMPLES

- Procedure:
 - Finalise component details.
 - Fabricate one of each of the following designated items as part of the quantity required for the project.
 - Obtain approval of appearance and quality before proceeding with manufacturer of the remaining quantity.
- Designated items: To be Approved by the Architect.

PRODUCTS

- 330A ALUMINIUM WINDOWS (FOR WINDOWS FACING BAYHAM STREET ONLY) - To achieve Targeted Acoustic Performance Requirements
- Manufacturer: Senior Architectural Systems Ltd,
Eland Road, Denaby Main, Doncaster, DN12 4HA
Tel 01709 772600 Fax 01709 772601
email: info@seniorarchitectural.co.uk; www.seniorarchitectural.co.uk
 - Local Contact Jon Oliver Tel 07788364 803 E Mail: jono@sasmail.co.uk .
 - Product reference: PRe® PRe Extruded Aluminium and Polyurethane thermally insulated Window Suite.
incorporating Tilt Turn open in windows.
 - Material: Extruded Aluminium Alloy 6060 or 6063 T6 to BS EN 755 Pt 9:2008 or BS EN 12020-2 .
 - Finish as delivered: Polyester Powder Coat to BS EN 12206: 2004 Part 1 - T
hermal performance (U-value maximum): 1.1W/m²K .
 - Glazing details: Insulating double glazing with low e coating and argon gas infill.
Acoustic glazing requirement to achieve (Rw - Overall weighted sound reduction index) : 39 dB
Outer Pane:- Minimum 6.4mm acoustically laminated (PVB) glass
Cavity: - 16mm
Inner Pane:- Minimum 10mm.
Window frame and vents to be constructed using only the Polyurethane thermal insulation system. .
 - Beading: EDPM gaskets internally .
 - Ironmongery/ Accessories: Manufacturer spec. Submit proposal .
 - Fixing: Screwed to iSIP walling reveal. Detail of the insulated structural timber reveal to Innovare System
Frame fixings: Installation to take precautions against bi-metallic corrosion if applicable.
- Performance: The windows are required to perform when tested in accordance with BS6375 Part 1 & 2
- Air Permeability 600Pa
- Water Tightness 600Pa
- Wind Resistance 2400Pa Operation: All windows to be Tilt and Turn open inward system. .

330B ALUMINIUM WINDOWS (FOR WINDOWS EXCEPT OF FACING BAYHAM STREET)

- Manufacturer: Senior Architectural Systems Ltd,
Eland Road, Denaby Main, Doncaster, DN12 4HA
Tel 01709 772600 Fax 01709 772601
email: info@seniorarchitectural.co.uk; www.seniorarchitectural.co.uk
- Local Contact Jon Oliver Tel 07788364 803 E Mail: jono@sasmail.co.uk .
- Product reference: PUn® PUn Extruded Aluminium and Polyurethane thermally insulated Window Suite.
incorporating Tilt Turn open in windows.
- Material: Extruded Aluminium Alloy 6060 or 6063 T6 to BS EN 755 Pt 9:2008 or BS EN 12020-2 .
- Finish as delivered: Polyester Powder Coat to BS EN 12206: 2004 Part 1 .
Glazing details: Insulating double glazing with low e coating and argon gas infill
Acoustic glazing requirement to achieve (Rw - Overall weighted sound reduction index) : 33 dB .
- Beading: EDPM gaskets Internally .
- Ironmongery/ Accessories: Manufacturer spec. Submit proposa .
- Fixing: Screwed to iSIP walling reveal. Detail of the insulated structural timber reveal to Innovare System
Frame fixings: Installation to take precautions against bi-metallic corrosion if applicable.
 - Performance: The windows are required to perform when tested in accordance with BS6375 Part 1 & 2
 - Air Permeability 600Pa
 - Water Tightness 600Pa
 - Wind Resistance 2400Pa Operation: All windows to be Tilt and Turn open inward system. .

330C ALUMINIUM WINDOWS (FOR WINDOWS - AOV PURPOSE AT 3rd FLOOR OF STAIRCASE

Manufacturer: [Senior Architectural Systems Ltd,
Eland Road, Denaby Main, Doncaster, DN12 4HA
Tel 01709 772600 Fax 01709 772601

email: info@seniorarchitectural.co.uk; www.seniorarchitectural.co.uk

- Local Contact Jon Oliver Tel 07788364 803 E Mail: jono@sasmil.co.uk].
- Product reference: [PURE® PURE Extruded Aluminium and Polyurethane thermally insulated Window Suite.

incorporating Tilt Turn open in windows.

- Material: Extruded Aluminium Alloy 6060 or 6063 T6 to BS EN 755 Pt 9:2008 or BS EN 12020-2].

Finish as delivered: [Polyester Powder Coat to BS EN 12206: 2004 Part 1].

Glazing details: [Insulating double glazing with low e coating and argon gas infill.
Openable Glazing Area = 1.5 m²

Acoustic glazing requirement to achieve (Rw - Overall weighted sound reduction index) : 33 dB].

- Beading: [EDPM gaskets Internally].

- Ironmongery/ Accessories: Manufacturer spec.

Automation Opening device to be installed onto the windows

which to be connected and activated by the smoke detector/ fire alarm unless other ways stated

Fixing: [Screwed to iSIP walling reveal. Detail of the insulated structural timber reveal to Innovare System

Frame fixings: Installation to take precautions against bi-metallic corrosion if applicable.

- Performance: The windows are required to perform when tested in accordance with BS6375 Part 1 & 2

- Air Permeability 600Pa

- Water Tightness 600Pa

- Wind Resistance 2400Pa

Operation: All windows to be Tilt and Turn open inward system.]

335 ALUMINIUM WINDOWS

- Standard: To BS 4873.
- Exposure category to BS 6375-1/ Design wind load: 2400 Pa..
- Finish as delivered: Polyester Powder Coat to BS EN 12206: 2004 Part 1
Colour to be confirmed .
- Thermal performance (U-value maximum): 1.1W/m²K Fire performance (minimum): [60 Minutes apply to all windows throughout] .
- Glazing details: 1) Acoustic double glazing windows at Front Facade only : refer to Acoustic Report (Zone 1 Facade area)
See Clause 330A
Outer Pane:- (Minimum 6.4mm acoustically laminated (PVB) glass.
Thickness to be confirmed)
Cavity:- 16mm
Inner Pane:- (Minimum 10mm. Thickness to be agreed)
Acoustic performance (Rw -Overall weighted sound reduction index) : 39 dB
- 2) Standard double glazing windows except of Front Facade : - See Clause 330B
Outer Pane:- (Thicknes TBC)
Cavity:- 16mm
Inner Pane:- (Thicknes TBC)
Acoustic performance (Rw -Overall weighted sound reduction index) : 33 dB .
- Beading: Factory standard, Type to be approved by the Architects .
- Ironmongery/ Accessories: Manufacturer spec. Submit proposa .
- Fixing: Screwed to iSIP timber wall panel reveal. .

480 ROOF WINDOWS

Manufacturer: VITRAL UK Ltd.
83 High Street
Linton
Cambridgeshire
CB21 4JT

Tel: 01223 499 000

Local Tel: 08451 305 455

Fax: 01223 499 001

E-mail: vitral-uk@vitral.co.uk .

- Product reference: SkyVision Flat Roof Skylights .

- Thermal performance (U-value maximum): 1.1W/m²K.
- Fire performance (minimum): 60 Minutes.
- Glazing details:
32 mm low 'e' double glazed unit: 8 mm toughened,
16 mm alu spacer argon, 8.76 or 10.76 mm low 'e'
float laminate with 0.76 mm PVB. Ug = 1.1 W/m²K
U Vlaue = 0.97 W/m² K for the entire roof light (SkyVision Fixed .
- Beading: External.
- Flashings: By window manufacturer to suit TBC.
- Accessories: 150-600mm upstand to be included. refer to architect details .
- Fixing: securing roof window to upstand by main contractor. Details to Architect construction detail drawings .

480A ROOF WINDOWS TO ROOFLIGHTS OVER FLAT 5 AT 3/F
Manufacturer: VITRAL UK Ltd.
83 High Street
Linton
Cambridgeshire
CB21 4JT

Tel: 01223 499 000

Local Tel: 08451 305 455

Fax: 01223 499 001

E-mail: vitral-uk@vitral.co.uk .

- Product reference: SkyVision Flat Roof Skylights .
- Thermal performance (U-value maximum): 1.1W/m²K.
- Fire performance (minimum): 60 Minutes.
- Glazing details:
 - 32 mm low 'e' double glazed unit: 8 mm toughened,
 - 16 mm alu spacer argon, 8.76 or 10.76 mm low 'e'
 - float laminate with 0.76 mm PVB. Ug = 1.1 W/m²K
 - U Value = 0.97 W/m² K for the entire roof light (SkyVision Fixed .
 - Beading: External.
- Flashings: By window manufacturer to suit TBC.
- Accessories: 150-600mm upstand to be included. refer to architect details .
- Fixing: securing roof window to upstand by main contractor. Details to Architect construction detail drawings .

550A GLAZED EXTERNAL SCREENS TO NORTH ELEVATION - FD 60 (screen to opening 01-02, 02-02)

- Location: to wall opening at balconies at 1st, and 2nd floor - North elevation - refer to drawing 48-10, 50-07 .
- Materials and workmanship: As section Z11.
 - Frame members: Aluminium.
Finish: Polyester powder coated - ral 7039.
 - Panels: Safety Laminated FD60 glazing, to withstand UDL 0.5kN/m for residential buildings as per BS 6399-1:1996 .
Finish: Opaque.
- Jointing: Welded.
- Thermal performance: N/A.
- Fire performance: FD60.
- Glazing details: Proprietary intumescent glazing system .
- Special features/ Other requirements: Frameless glazing as per drawing 48-10
screen acts as railing to withstand UDL 0.5kN/m .
- Fixing: Screwed to SIP panel .

- 550B GLAZED EXTERNAL SCREENS TO EAST ELEVATION - NON FIRE RATED (screen to opening 01-02, 02-02)
- Location: to wall opening at balconies at 1st, and 2nd floor - North elevation - refer to drawing 48-10, 50-07 .
 - Materials and workmanship: As section Z11.
 - Frame members: Aluminium.
Finish: Polyester powder coated - ral 7039.
 - Panels: Safety Laminated glazing to withstands UDL 0.5kN/m for residential buildings as per BS 6399-1:1996.
Finish: Clear.
 - Jointing: Welded.
 - Thermal performance: N/A.
 - Fire performance: FD60.
 - Glazing details: Proprietary intumescent glazing system .
 - Special features/ Other requirements: Frameless glazing as per drawing 48-10
screen acts as railing to withstand UDL 0.5kN/m,
min height 1100 above FFL.
 - Fixing: Screwed to SIP panel .
- 560 GLAZED SCREEN SYSTEM
- Location: G/F Shop Front.
 - Manufacturer: Senior Architectural Systems Ltd, Eland Road, Denaby Main, Doncaster, DN12 4HA Tel 01709 772600 Fax 01709 772601
email: info@seniorarchitectural.co.uk;
www.seniorarchitectural.co.uk
- Local Contact Jon Oliver Tel 07788364 803 E Mail: jono@sasmail.co.uk .
 - Product reference: Shop Front SPW500 .
 - Screen height: 2100 mm from F.F.L. .
 - Fire resistance rating of complete system: Not required .
 - Sound insulation rating: Rw -Overall weighted sound reduction index =: 39 dB. details refer to Acoustic report .
 - Materials:
 - Frames: aluminium .
Finish: Polyester Powder Coat to BS EN 12206: 2004 Part 1
Colour surface finish to be: TBA .
 - Panels: Not required .
Finish: Not required .
 - Thermal performance: 1.1W/m²K .
 - Glazing details: Double glazing with safety glazing. Manifestation marking requirement TBC .
 - Incorporated features: Doorset as section L20 .
 - Accessories/ Other requirements: TBC .
 - Fixing: Bolted to masonry reveal .

EXECUTION

- 710 PROTECTION OF COMPONENTS
- General: Do not deliver to site components that cannot be installed immediately or placed in clean, dry floored and covered storage.
 - Stored components: Stack vertical or near vertical on level bearers, separated with spacers to prevent damage by and to projecting ironmongery, beads, etc.