

L10 Windows/ Rooflights/ Screens/ Louvres

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.

115 TIMBER PROCUREMENT

- Timber (including timber for wood based products): Obtained from well managed forests and/ or plantations in accordance with:
 - The laws governing forest management in the producer country or countries.
 - International agreements such as the Convention on International Trade in Endangered Species of wild fauna and flora (CITES).
- Documentation: Provide either:
 - Documentary evidence (which has been or can be independently verified) regarding the provenance of all timber supplied.
 - Evidence that suppliers have adopted and are implementing a formal environmental purchasing policy for timber and wood based products.
- Certification scheme: Contractor's choice.
 - Other evidence: UK Timber procurement policy Category B evidence: Completed supply chain information within attached proforma ???.

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 existing openings and proposed new openings to receive aluminium, wooden sash or refurbished windows units.

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: Aluminium window types. .

PRODUCTS

250A NEW WOOD SLIDING SASH WINDOWS [Spear Street - Window Types 5&6]

- " Standard: To BS 644.
 - " Manufacturer: A firm currently registered under a third party quality assurance scheme.
 - " Exposure category to BS 6375-1/ Design wind load: Contractor to determine exposure category.
 - " Operation and strength characteristics: To BS 6375-2.
 - " Timber: Generally to BS EN 942.
 - S pecies: Douglas fir.
 - A ppearance class: J10 for glazing beads, drip mouldings and the like. J40 or better for all other members.
 - M oisture content on delivery: 12-19%.
 - " Preservative treatment: Organic solvent as section Z12 and WPA Commodity Specification
 - C5; Desired service life 30 years.
 - " Finish as delivered: Fully Finished as section M60 - To match existing sash windows .
 - " Glazing details:
 - Double pane toughened glass to match existing.
 - Glazing thickness: Double Glazed Unit to meet Acoustic and Fire requirments
 - REFER TO ACOUSTICIAN REPORT
 - 14.8mm Outer Toughened
 - 24mm cavity
 - 10.8mm inner pane
 - Acoustic Rating: 50dB
 - B eading: Bead and Horn details to match existing.
 - " Ironmongery/ Accessories: All ironmongery to be brass - SAMPLES TO BE PROVIDED AND APPROVED
 - 4 x 75kg (weight TBC) standard pulleys
 - 2 x sash lifts
 - 2 x narrow hook fasteners
 - 4 x secure stops
 - include for weights / cords and face plates.
 - " Fixing: Built in with cramps as clause 780.

251 REFURBISHED CASEMENT TIMBER WINDOW
[Oldham Street - Window Type 1&2]

Standard to BS 644

" Manufacturer: A firm currently registered under a third party quality assurance scheme.

" Exposure category to BS 6375-1/ Design wind load: Contractor to determine exposure category.

" Operation and strength characteristics: To BS 6375-2.

" Timber: Generally to BS EN 942.

- Species: Douglas fir.

- Appearance class: J10 for glazing beads, drip mouldings and the like. J40 or better for all other members.

- Moisture content on delivery: 12-19%.

" Preservative treatment: Organic solvent as section Z12 and WPA Commodity Specification

C5; Desired service life 30 years.

" Finish as delivered: Fully Finished as section M60 - To match existing sash windows .

" Glazing details: Double pane toughened glass

Glazing thickness: Double Glazed Unit to meet Acoustic and Fire requirements

REFER TO ACOUSTICIAN REPORT

- 10mm Outer Toughened

- 16mm cavity

- 16.8mm inner pane

Acoustic Rating: 45dB

- Beading: Bead and Horn details to match existing.

" Ironmongery/ Accessories: All ironmongery to be brass - SAMPLES TO BE PROVIDED AND APPROVED

4 x 75kg (weight TBC) standard pulleys

2 x sash lifts

2 x narrow hook fasteners

4 x secure stops

include for weights / cords and face plates.

- 252 NEW WOOD CASEMENT WINDOW
 [Oldham Street- Window Type 3&4]
 Standard to BS 644
 " Manufacturer: A firm currently registered under a third party quality assurance scheme.
 " Exposure category to BS 6375-1/ Design wind load: Contractor to determine exposure category.
 " Operation and strength characteristics: To BS 6375-2.
 " Timber: Generally to BS EN 942.
 - Species: Douglas fir - Appearance class: J10 for glazing beads, drip mouldings and the like. J40 or better for all other members.
 - Moisture content on delivery: 12-19%.
 " Preservative treatment: Organic solvent as section Z12 and WPA Commodity Specification
 C5; Desired service life 30 years.
 " Finish as delivered: Fully Finished as section M60 - To match existing sash windows .
 " Glazing details:
 Glazing thickness: Double Glazed Unit to meet Acoustic and Fire requirements
 REFER TO ACOUSTICIAN REPORT
 - 10mm Outer Toughened
 - 16mm cavity
 - 16.8mm inner pane
 Acoustic Rating: 45dB Double pane toughened glass
 - Beading: Bead and Horn details to match existing.
 " Ironmongery/ Accessories: All ironmongery to be brass - SAMPLES TO BE PROVIDED AND APPROVED
- Built in with cramps
- 331 ALUMINIUM WINDOWS- LIGHTWELL FACADE FIRE RATED PROTECTED BOUNDARY
 [Window Type 7]
- Manufacturer: Reynaers
 - Web: www.reynaers.co.uk
 - Email: reynaersltd@reynaers.com.
 - Product reference: CS77- Concept System 77 Aluminium Window
 Configuration: [Fixed]
 Size: [Varies - See schedules]
 Glazing thickness: Double Glazed Unit to meet Acoustic and Fire requirements
 REFER TO ACOUSTICIAN REPORT
 - 14.8mm Outer Toughened
 - 24mm cavity
 - 10.8mm inner pane
 Acoustic Rating: 45dB
 Fire Rating: 60 minutes
 Security: [Secured by Design accreditation].
 Trickle vent: Not required
 Finish: [Permacover polyester powder-coated].
 Colour: [TBC].

332 SLOPED GLAZING MANSARD WINDOW TO OLDHAM STREET

- Manufacturer: Kawneer UK Ltd. (Or equal approved)
 - Web: www.kawneer.co.uk.
 - Email: kawneerAST@arconic.com.
 - Product reference: 1600 Sloped Glazing
- Configuration: As drawing (31) 010.
- Size: As drawing (31) 100.
- Glazing thickness: Glazing thickness: Double Glazed Unit to meet Acoustic and Fire requirements
REFER TO ACOUSTICIAN REPORT
 - 10mm Outer Toughened
 - 16mm cavity
 - 16.8mm inner paneAcoustic Rating: 45dB.
- Security: Not required.
- Trickle vent: Not required
- Restrictor: Not required.
- Finish: Permacover polyester powder-coated.
- Colour: RAL tbc by client team.

332A SLOPED GLAZING MANSARD WINDOW TO SPEAR STREET

- Manufacturer: Kawneer UK Ltd. (Or equal approved)
 - Web: www.kawneer.co.uk.
 - Email: kawneerAST@arconic.com.
 - Product reference: 1600 Sloped Glazing
- Configuration: As drawing Schedule.
- Size: As drawing (31) 100.
- Glazing thickness: Glazing thickness: Double Glazed Unit to meet Acoustic and Fire requirements
REFER TO ACOUSTICIAN REPORT
 - 14.8mm Outer Toughened
 - 24mm cavity
 - 10.8mm inner paneAcoustic Rating: 50dB.
- Security: Not required.
- Trickle vent: Not required
- Restrictor: Not required.
- Finish: Permacover polyester powder-coated.
- Colour: RAL tbc by client team.

460A FLAT ROOFLIGHT FOURTH FLOOR GUEST ROOMS

- Manufacturer: Vitral UK Ltd.
 - Web: www.vitral.co.uk.
 - Email: vitral-uk@vitral.co.uk.
 - Product reference:
Skyvision fixed: Modular. Tested according to CWCT TN66/67 for impact resistance.
Double glazed. Non-venting variant;.
- Size:
 - Panel:
Size: 800mmx800mm skylight.
Standard glass (for circular, comfort, fixed and linear):
"32 mm, two-layer low emissivity.
"Inner glass: 8.8 mm clear laminated glass.
"Outer glass: 8 mm clear toughened glass, with 16 mm Argon-fill aluminium spacer..
 - Kerb: 150mm min upstand flashed into Bauder Roofing Finish as .
- Glazing: Sunguard SNX60/28.
- Panel colour/ finish: Dark grey, RAL 7043
- Accessories: Not required.

480A CENTRE PIVOT ROOF WINDOW

- Manufacturer: VELUX Company Ltd.
 - Web: www.velux.co.uk.
 - Email: sales@velux.co.uk.
 - Product reference: GGL centre-pivot roof window, manually operated
- Roof pitch: 32.
- Window:
 - Code: GGL FK04.
 - Finishes:
Internal frame and sash: White Painted.
External cladding: Grey aluminium; colour reference NCS S-7500-N - Code 0.
- Glazing: 70Q.
- Blinds, Awning and Shutter:
 - Type: DKL Blackout blind.
 - Colour: White.
 - Operation: Electric.
- Energy efficiency installation collars: Underfelt collar – Code BFX 1000.
- Flashing: EDL.
- Internal lining framing kit: Not required.
- Accessories: Opening restrictor lock – ZOZ 010K S011 and Window lock – ZOZ 012K.

580A SECONDARY GLAZING TO ALL SASH / CASEMENT WINDOWS OLDHAM AND SPEAR STREETS

REFER TO ACOUSTICIAN REPORTS BY LIGHTHOUSE ACOUSTICS -
REFERENCES 0258.APR1 Rev 2; 0258le07

- Manufacturer: Selectaglaze Ltd.
 - Web: www.selectaglaze.co.uk.
 - Email: enquiries@selectaglaze.co.uk.
 - Product reference: Series 80 heavy duty horizontal sliding (HS)
- Style: As primary window designs/ sightlines.
- Size: As schedule and window drawings Sub contractor to produce fully measured schedule of secondary glazing frames.
Reference should be given to setting out as stipulated within Acoustic Report guidance.
Distance from window frame circa 150-200mm
SW batten frame to be reviewed as part of design requirements. .
- Acoustic performance: See Acoustician Report - refer to Acoustician for guidance.
- Thermal performance: NA.
- Blast performance: Not required.
- Physical performance: Secured by Design.
- Frame:
 - Finish: Polyester powder-coating, RAL.
 - Gloss level: Matt.
- Glazing:
 - Type: Toughened, low-E.
 - Thickness: 6.8 mm.
 - Gasket: Black.
- Ironmongery:
 - Handles: H23 - S80/90 locking actuator .
 - Locks: L28 U Channel track restrictor, colour matched to frame - Frames to be locked and only opened by hotel staff.
- Trickle ventilators: Not required.
- Acoustic reveal linings: Not required.

650A METAL LOUVRES TO SPEAR STREET

- Manufacturer: Colt International Ltd.
 - Web: www.coltinfo.co.uk.
 - Email: info@coltgroup.com.
 - Product reference: 2UL/DH Universal Louvre.
- Dimensions:
 - Width: See Window Schedule drawings.
 - Height: See Window Schedule drawings.
- Arrangement: Horizontal - Design to suit original sash frame of existing building..
- Materials:
 - Type: Aluminium (grade 3005).
 - Texture: Plain.
 - Finish: Polyester powder coated, RAL.
Coverage: Total.
Colour: RAL - TBC.
- Seals: Required.
- Guards: Woven aluminium insect mesh.
- Blanking panels: Single skin aluminium with external decorative polyester powder paint finish to match louvres.
- Noise control: None.
- Accessories: Surround frame for fitting into a structural opening.

650B ACOUSTIC LOUVRES TO PLANT DECK TO SPEAR STREET

- Manufacturer:
Caice Acoustic Air Movement Ltd.
Riverside House
3 Winnersh Fields
Gazelle Close
Winnersh
Wokingham
RG41 5QS

Telephone 0118 918 6470
Facsimile 0118 918 6480
enquiries@caice.co.uk www.caice.co.uk.

- Product reference: Caice SS300 Screen -Single Bank Acoustic Louvre, Standard Performance Profile, 300mm Deep
2000mm high and located on roof level -
· Manufactured from galvanised sheet steel · 1no. Caice acoustic louvre single DS150 door blanked to the rear (outward opening)
· Piece part polyester powder coated · RSA bottom support angle hot dipped galvanised
To be read in conjunction with basis of estimate Q00002, considerations and exclusions, and is subject to review upon receipt of full and finalised project requirements. .
- Dimensions:
 - Width: 5m x 3.8m See Roof Drawings Series 27.
 - Height: 2m.
- Arrangement: Horizontal.
- Materials:
 - Type: Aluminium (grade 3005).
 - Texture: Plain.
 - Finish: Polyester powder coated, RAL.
Coverage: Total.
Colour: RAL - TBC.
- Seals: Not required.
- Guards: not required.
- Blanking panels: as manufacturer design.
- Noise control: Acoustic performance to the standard as set out by the project acoustician.
- Accessories: Pass doorway.

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.

730 PRIMING/ SEALING

- Wood surfaces inaccessible after installation: Prime or seal as specified before fixing components.

- 740 CORROSION PROTECTION
- Surfaces to be protected: Aluminium alloy components in contact with preservative treated timber.
 - Protective coating: Two coats of bitumen solution to BS 6949 or an approved mastic impregnated tape.
 - Timing of application: Before fixing components.
- 750 BUILDING IN
- General: Not permitted unless indicated on drawings.
 - Brace and protect components to prevent distortion and damage during construction of adjacent structure.
- 765 WINDOW INSTALLATION GENERALLY
- Installation: Into prepared openings.
 - Gap between frame edge and surrounding construction:
 - Minimum: 5mm.
 - Maximum: 10mm.
 - Distortion: Install windows without twist or diagonal racking.
- 770 DAMP PROOF COURSES IN PREPARED OPENINGS
- Location: Ensure correct positioning in relation to window frames. Do not displace during fixing operations.
- 780 FIXING OF WOOD FRAMES
- Standard: As section Z20.
 - Fasteners: 25 x 3 x 150 mm galvanized carbon steel frame cramps .
 - Spacing: When not predrilled or specified otherwise, position fasteners not more than 150 mm from ends of each jamb, adjacent to each hanging point of opening lights, and at maximum 450 mm centres.
- 782 FIXING OF ALUMINIUM FRAMES
- Standard: As section Z20.
 - Fasteners: 25 x 3 x 150 mm galvanized carbon steel frame cramps.
 - Spacing: When not predrilled or specified otherwise, position fasteners not more than 250 mm from ends of each jamb, adjacent to each hanging point of opening lights, and at maximum 600 mm centres.
- 790 FIRE RESISTING FRAMES
- Gap between back of frame and reveal: Completely fill with tightly packed mineral wool, Intumescent mastic to perimeters.
- 800 BACKFILLING OF STEEL FRAME SECTIONS
- Windows fixed direct into openings: After fixing, fill back of steel frame with waterproof cement fillet.
- 810 SEALANT JOINTS
- Sealant:
 - Manufacturer: Contractor's choice.
 - Product reference: Contractor's choice.
 - Colour: To match window frame or masonry - Seek advise.
 - Application: As section Z22 to prepared joints. Finish triangular fillets to a flat or slightly convex profile.

820 IRONMONGERY

- Fixing: In accordance with any third party certification conditions applicable. Assemble and fix carefully and accurately using fasteners with matching finish supplied by ironmongery manufacturer. Do not damage ironmongery and adjacent surfaces.
- Checking/ Adjusting/ Lubricating: Carry out at Completion and ensure correct functioning.