Section L (NBS)

Series 1 Windows

Composite Windows (Aluminium/Timber)

Project :-

SENIOR
HYBRID
SYSTEMS

For :-

L10 WINDOWS/ ROOFLIGHTS/ SCREENS/ LOUVRES

To be read with Preliminaries/ General conditions.

GENERAL INFORMATION/ REQUIREMENTS

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 and screen opening sizes.

140 CONTROL SAMPLES

- Procedure:
  - Finalize 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:
  Composite window type to Clause /400 below..

COMPONENTS

400 COMPOSITE WINDOWS

- Manufacturer: Senior Architectural Systems Ltd
  - Product reference: SAS Hybrid Window Series- Casement/Tilt Turn/Top Swing
- Materials:
  - Exterior frame/ sash exterior cladding: Extruded aluminium Alloy 6063 T5/T6 to BS En 755 Pt 9 2001
  Finish: Polyester Powder coated to minimum 40 microns thickness. Architect to confirm colour (Ref Ral…….) from standard colour range.
  - Interior frame/sash section: Purpose engineered profiles in Spruce laminated timber,(Scantlings);in principle without faults (like knots and flaws). Certificated to IFT Rosenheim, DIN EN 204 glued with D4 glue, Finger joints in outer layers at approximately 500 mm plus centres with a moisture content of 12% +/- 2%.
  PEFC /04-32-0042 Certified
  Finish: Matt Lacquered finish on spruce – 150 – 300 micron wet film thickness

  Exposure category to BS 6375-1 Air permeability 600 pa
  Water tightness 600 pa
  Wind Resistance 2400 pa
- Operation and strength characteristics: To BS 6375-2.

- Glazing details: project requirements to be determined.
  Casement windows:- Multi-point locking with locking handles.
  Tilt Turn windows:- Multi-point locking with locking handles - with the facility to lock off the turn mode.
  The turn facility to be used in unlocked mode for cleaning purposes only !!
  Top Over - Swing Casement windows:- Top hung open out windows, with the facility to pivot the window through 180 degrees for cleaning purposes, complete with multi point locking and locking handles, plus locking restrictor to provide safe ventilation option.
- Fixing: Proprietary fixings to be agreed with specialist fixings manufacturer to accommodate different fixing conditions.

INSTALLATION

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: _____ .
- 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: 3mm_____ .
  - Maximum: 6mm_____ .
- 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: _____ .
  - 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: _____ .
  - 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.

784 FIXING OF COMPOSITE FRAMES
- Standard: As section Z20.
- Fasteners: _____ .
  - 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 600 mm centres.

790 FIRE RESISTING FRAMES
- Gap between back of frame and reveal: Completely fill with _____ .

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: _____ .
    Product reference: _____ .
  - Colour: _____ .
  - Application: As section Z22 to prepared joints. Finish triangular fillets to a flat or slightly convex profile.

820 IRONMONGERY
- Fixing: 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.