

H11

Curtain walling

Tendering

10 Information to be provided with tender

1. Submit the following curtain walling particulars
 - 1.1. **Evidence of compliance:** All curtain walling to be CE marked to BS EN 13830. Submit Declaration of Performance (DoP). CE marking and Declaration of Performance (DoP) requirements for structural sealant glazing to be submitted on the basis of a manufacturer's European Technical assessment (ETA) prepared in accordance with EOTA technical guide ETAG 002 (Parts 1, 2 and 3).
 - 1.2. Typical plan, section and elevation drawings at suitable scales.
 - 1.3. Typical detailed drawings at large scales, including as drawings.
 - 1.4. Technical information and certification demonstrating compliance with specification of proposed incorporated products and finishes, including as manufacturer.
 - 1.5. Certification, reports and calculations demonstrating compliance with specification of proposed curtain walling.
 - 1.6. Proposals for connections to and support from the building structure and building components.
 - 1.7. Proposals for amendments to primary supporting structure and for secondary supporting structure additional to that shown on preliminary design drawings.
 - 1.8. Schedule of builder's work, special provisions and special attendance by others.
 - 1.9. Examples of standard documentation from which project quality plan will be prepared.
 - 1.10. Preliminary fabrication and installation method statements and programme.
 - 1.11. Schedule of products and finishes with a design life expectancy less than that specified in clause 440, with proposals for frequencies and methods of replacement.
 - 1.12. Proposals for replacing damaged or failed products.
 - 1.13. Areas of non-compliance with the specification.

Types of curtain walling

110 Stick curtain walling systems Type A

1. Description: New curtain walling to entrances. Refer to drawings.
2. Curtain walling system
 - 2.1. Manufacturer: [Schueco UK Ltd](#)
 - 2.1.1. Contact details
 - 2.1.1.1. Address: Whitehall Avenue
Kingston
Milton Keynes
Buckinghamshire
MK10 0AL
 - 2.1.1.2. Telephone: [+44 \(0\)1908 282111](tel:+44(0)1908282111)
 - 2.1.1.3. Web: www.schueco.co.uk
 - 2.1.1.4. Email: mkinfobox@schueco.com
 - 2.1.2. Product reference: [Stick curtain walling façade system - FWS50](#)
 - 2.2. Framing

- 2.2.1. Frame members: Aluminium curtain wall frame sections.
- 2.3. Execution: Curtain wall assembly and erection.
- 2.4. Load: 1080 kg.
- 2.5. Depth: 50—250 mm.
- 2.6. Length: Refer to drawings
- 2.7. Air permeability: AE.
- 2.8. Watertightness: RE 1200.
- 2.9. Resistance to wind load: 2.0—3.0 kN/m².
- 2.10. Impact resistance: I5/E5.
- 2.11. Security level: To EN 1627 RC2, RC3 and PAS24.
- 2.12. Bullet resistance: FB4 NS.
- 2.13. Acoustic performance rating: Up to Rw 48 dB.
- 2.14. Finish as delivered: Polyester powder coated to approved RAL colour 7022 Umbra Grey
- 2.15. Width: 50 mm.
- 2.16. Label: Schueco 'IoF' ID tag with QR code.
3. Glazing: 28.4 mm Insulating double glazed units - refer to L40 270C
 - 3.1. Inner pane: INNER PANE OF 6mm PILKINGTON LOW-E HEAT SOAKED TOUGHENED SAFETY GLASS.
 - 3.2. Outer pane: OUTER PANE 6.4mm PILKINGTON OPTILAM, 16mm ARGON FILLED CAVITY WITH SILVER ANODIZED ALUMINIUM SPACER
4. Incorporated components: - Schueco ADS75.SI doors as L20 280. Refer to drawings for locations. To include:
 - Scheuco lever handles
 - Scheuco mortice lock and hinges.
 - Sealmaster Weathershield Threshold strip.
 - Schueco Opening Windows as L10 330A.
 - 2mm powder coated aluminium cill flashing to base of curtain walling.
5. Other requirements: - The FW50+ aluminium curtain walling system shall be fabricated and installed in complete accordance with the information published by Schueco UK, exclusively by authorised fabricators.
 - Contractor to submit full set of fabrication drawings to architect for review prior to commencement of fabrication. Contractor to allow adequate time for review process and period for the sub-contractor to update their design drawings within the construction programme.

General requirements/ preparatory work

210 Design

1. Curtain walling and associated features: Complete the detailed design. Submit before commencement of fabrication.
2. Related works: Coordinate in the detailed design.

215 Design proposals

1. Submission of alternative proposals: Preliminary design drawings indicate intent. Other reasonable proposals will be considered.

220 Specification

1. Compliance standards: BS EN 13830 and The Centre for Window and Cladding Technology (CWCT) 'Standard for systemised building envelopes'.