146 System support and restraint

1. Specialist subcontractor to determine and allow for system support and restraint to accommodate all wind and barrier loading requirements to manufacturer design.

Products

330 Aluminium windows

1. Specification type: **Descriptive Design (D): Design intent by the Architect**
2. Description: Ribbon windows
3. Standard: Refer to Buro Happold Facade Engineer's Specification
4. Manufacturer: Schueco UK Ltd or equal and approved.
   4.1. Product reference: AWS 75.BS Thermally Broken Windows or or equal and approved.
5. Configuration: Fixed window types. Only single frame is seen overall.
6. Finish as delivered: PPC as Z31. PC Interpon D2525 Qualicoat Class 2, colour Canon 2525 Matt (YW279D)
7. Thermal performance (U-value maximum): 1.3 W/m²K
8. Acoustic performance rating: Refer to Acoustic Consultants report
9. Air permeability: Refer to Buro Happold Facade Engineer's Specification
10. Watertightness: Refer to Buro Happold Facade Engineer's Specification
11. Wind load resistance: Refer to Buro Happold Facade Engineer's Specification
12. Embodied carbon (frame): Ultra Low Carbon (max 4 kgCO2e/kg)
13. Glazing details: Refer to Buro Happold Facade Engineer's Specification

    Final glazing type / thickness / specification to be proposed by specialist subcontractor for client / facade subcontractor verification.

    Glass description as L40.
14. Beading: Windows to be fitted with internal and external square glazing bead glazed with EPDM gaskets. For internal vs external beaded window locations refer to Access for Cleaning and Maintenance Strategy Rerpot.
15. Ironmongery/ accessories:

    - Painted timber cill board where required as P20/200.
    - Interface sealing membrane as P10/300
    - Powder coated continues aluminium extrusion to window sill, jamb and soffit flashings with associated trims as required as per architects drawings.
16. Fixing: As manufacturer's recommendations.
17. Warranty provider requirements: Exposure classification and window and door performance to BS 6375 to be confirmed by facade consultant / supplier / subcontractor.
18. Verification: For all performance requirements.
    18.1. Submittals: Contractor’s design certification accreditation by independent third party.
    18.2. Timing: Before completion of detailed design.

650 Metal Fins

1. Specification type: **Descriptive Design (D): Design intent by the Architect.**