GLASS AND GLAZING
Case Study

Edinburgh Student Accommodation scheme

Client: Clark Contracts

Sector: Commercial Residential

System: Metal Technology

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Overview

The Glasgow Branch of GG Glass has delivered a complete curtain walling/window & door solution for Clark Contracts as part of a large student accommodation development in the heart of Edinburgh City Centre. The high specification four-storey student accommodation scheme comprises 80 en-suite studio apartments and three one-bedroom flats, with common room and gym. Falling under the final phases of the wider construction programme and under a £273,000 contract, the GG Glass team has installed a total glazing solution across the vast new build structure.

Description

Curtain Walling - Metal Technology System 17. Constructed from the standard range of 50mm wide aluminium sections, mullion drained, with structural box, screw on pressure plate and snap on face caps (19mm deep to mullions and 16mm deep to transoms).

Windows - Metal Technology 4-35 / 5-25 thermally enhanced system. Fabricated with mitred corners and weather-stripped with gasket seals, windows included clip-on glazing beads and EPDM glazing gaskets. Tilt/turn opening lights, comprising inward opening vent frames, multi-point locking gear, hinges (PPC standard range) and locking espagnolette handles (PPC standard range). Also incorporating Acoustic Trickle Vents.

Doors - Metal Technology 5-20D system with glazing beads and EPDM glazing gaskets. The doors comprised opening door leafs with door closer, and Euro-profile cylinders, and lever handles (PPC standard range), threshold plate and brush woolpile, complete with AFT guard. An Automatic Door operator was installed at ground level.

Challenges and Solutions

The site is situated on a busy narrow road in the centre of Edinburgh. Deliveries to site where carefully coordinated ensuring materials arrived within a specific timeframe, addressing issues around limited storage to facilitate materials.

The original architects/client's design included the introduction of timber louvre guard system in front of each opening vent. GG Glass proposed an alternative solution, advising that timber would provide no structural integrity or no barrier load. The architect agreed and opted for an alternative solution specifying a LV023 barrier blade system. The use of this system would eliminate the requirement to use a restraint harness for cleaning the opening vents once the building has been handed over, whilst providing an approved and tested barrier load.