



## 703 Bed Student Accommodations, Beith Street, Glasgow

McGill were appointed by George Downing Construction Ltd under a Design & Build Contract to design and install the M&E Services to the new build student accommodation blocks at Beith Street, Glasgow consisting of blocks A1, A2 & B providing 703 beds, common rooms and a management suite.

We successfully completed the works in only 36 weeks with over 80 electricians, plumbers and heating engineers employed on site at the peak of the Contract.

We used our in-house design team to produce the design using REVIT MEP Software. This allowed us to fully coordinate the Services and to develop 3D Modelling for the Plant Room. The pipe work for the Plant Room was fabricated off-site reducing the installation time and improving quality.

McGill Fire & Security were appointed to design, supply, install and commission all of the Fire & Security systems serving the 3 blocks.

LED luminaires were installed throughout the development as a measure to achieve the SBEM calculation for monthly energy use and carbon dioxide emissions.

The M&E Work Package included specialist sub-contractors for systems including the Sprinkler, Television, ICT Installations

### Client

George Downing  
Construction Ltd

### Project Duration

36 Weeks

### McGill Contract

Value  
£4.7m

### Role

Consulting Engineer

### Key Features

- Revit 3D Modelling
- Off-Site Fabrication
- Smoke Ventilation Systems
- Standby Generator
- McGill Fire & Security installed the Fire & Security systems
- Sprinkler Installation
- ICT Installation
- Centralised Energy Centre serving HIU's
- CHP
- LED Luminaires
- Whole house Ventilation systems