

University of Birmingham - Mason Launderette & Social Space



COMPLETED PROJECT



FIRST DAY ON SITE



STEEL ERECTION

Key Details

Client: University of Birmingham

Sector: Educational

Location: Mason Halls

Principal Designer: GNA Architects

Contract Sum: £808,230.00

Contract: JCT Intermediate Building Contract with Contractors Design 2016 Edition

Contract period: 16 weeks

Procurement Route: Competitive Tender

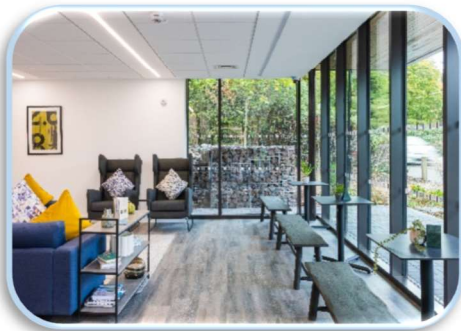
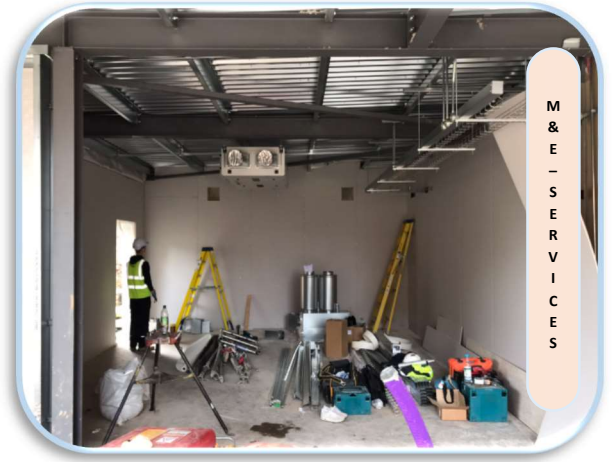
Project Team: Andy Kemp (PM) Graham Hingley (SM) Chris Mitchell (QS)



EXCAVATIONS



CONCRETING



To provide the Mason Hall student residence with a new laundrette and social space, which will be used by the Commonwealth Games to accommodate athletes' laundry requirements during the 2022 event.

Project Restraints:

- Management of a substation & plant room under the embankment to the rear of the building with associated services.
- Management of tree protection.
- Management of noise and dust with restricted hours, working outside of live student accommodation.
- Management of working close to a water course.
- Management of traffic on a one-way system.
- Management of pedestrians in a highly populated area.
- Management of ground gases.
- Management of excavating into an embankment.
- Working in conjunction with commonwealth games set up.

Project Scope:

- New build construction with steel portal frame. Proprietary metal framework wrapped in a vapour and air barrier taped and jointed to seal with a plasterboard interior finish. The exterior has an additional proprietary metal frame system with fire retardant membrane and cedar cladding.
- Certified installation of a ground gas ventilation system.
- Adaptions and connections to existing mains services.
- Airtightness requirement of 3m³/m²/hr@50pa.
- Insulated roof with recessed gutters.
- Curtain walling front façade with access control.
- Installation of gabion baskets to retain the embankment.
- Incorporation of an insect hotel into the side of the building and bird boxes installed around the perimeter.
- Installation new mains power distribution, LED Lighting, New mains water and domestic installation, Ventilation system, HRU's, DX Unit, new data, fire alarm and CCTV.
- Full BIM Requirements.

The project completed on time in readiness for the commonwealth games event.