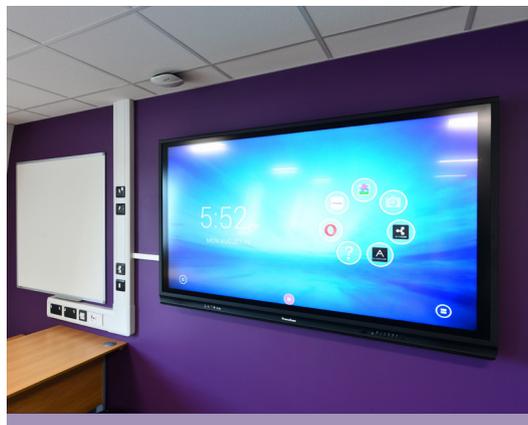
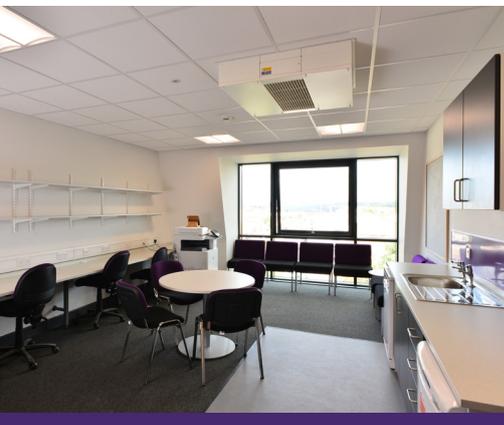


CASE STUDY BRONTË GIRLS ACADEMY



HEADLINES

DELIVERED

a large volume of works in a small period of time

MET

non-negotiable deadlines in order to be ready for the new academic year

OVERCAME

one of the tightest plant rooms G&H has faced in over 20 years

WEEKEND

and out of core office hours working

EXTENSIVE

co-ordination with education staff to provide bespoke subject-led M&E services



KEY FACTS

Project title: Brontë Girls Academy
Services: Mechanical & Electrical design and build
Client: Feversham Education Trust

Contractor: BAM Construction
Value: c£2.2 million
Duration: 30 weeks
G&H divisions: Building Services and Fabrication

CASE STUDY HOW WE DID IT



Brontë Girls Academy saw former 1980s Bradford Council offices in the Bolling Road area of the city transformed into a new secondary school.

Designated as a Free School, Brontë Girls Academy is open to pupils aged between 11 and 16 and managed by Feversham Education Trust.

We were appointed by the main contractor BAM Construction in a c£2.2 million contract as part of a £10.5 million scheme.



Due to the academy opening in September 2019 to coincide with the new academic year, we had an exact, unmovable deadline to meet with a big programme of works and a relatively small timescale of 30 weeks. We used a system of weekend working and out of core office hours to ensure the programme was always ahead of schedule.



This was achieved by extensive and highly detailed co-ordination meetings with BAM Construction, which was assisted by us using our G&H Fabrication division to prefabricate the plant room and mechanical heating offsite to save time and deliver when required for installation. Such attention to detail and ongoing liaison with the contractor meant we were able to overcome challenges faced including one of the tightest plant rooms G&H has encountered in over 20 years of business.

We expertly managed potentially problematic utility-related issues with existing gas and water being closed down and new connections made. We also liaised closely with Northern Power Grid to terminate the existing HV/LV transformer before reconnecting to the new academy. We designed and installed mechanical and electrical services for all parts of the academy including classrooms, staffrooms, office areas, main hall, kitchen and external areas such as electric car parking and entry points.

Central to our work was detailed design using 3D Revit. We spent time with the end client and main contractor understanding how and when each part of the academy would be used, by how many people and at what times of the day.

This, combined with our extensive experience of delivering M&E in educational facilities, meant we were able to create bespoke designs specifically for the pupils, teachers, staff and visitors.

The specialist mechanical and electrical services we installed followed the academy's focus on science, technology, engineering and mathematics and included in-built equipment for physics, biology and chemistry, interactive whiteboards, high-tech audio visual systems and intuitive temperature controls. Separately, a new sports hall was built and attached to the academy with M&E services installed, while lighting was designed and fitted to a multi-use games area (MUGA). Floodlights were installed to

the car park and so too were electric car chargers. Mechanical services saw heating, ventilation and air conditioning, above ground drainage, cold and hot water, sanitary ware, low temperature hot water, natural gas service, cooling and a building management system installed.

Electrically, an incoming low voltage supply, distribution boards, containment systems, LED lighting (internal, external and emergency), general power, alarms, hearing induction loop, data, access controls, CCTV and an audio visual system were also fitted.

Our work resulted in us creating the best possible facilities for teaching and learning.



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