



£7.7m state of the art, craft and digital design workshop block that will place the college at the forefront of contemporary crafts training

Description

- ◆ A £7.7m extension to Plymouth College of Art and Design, state of the art, craft and digital design workshop block for Contemporary Crafts practice.
- ◆ Phase 1 consisted of 1,800m² of workshops and studio space for the Fine Art, Glass and Ceramics departments, phase 2 included a further 1750 m² of workshop and studio spaces for wood-making, jewellery design and fine art printing and digital design lab with 3D printing facilities enabling prototype production. using computer aided design. Student work stations, communal hubs and display areas.
- ◆ Heating via. all air variable air volume system (VAV) with heater batteries from extension to existing gas boiler provision.
- ◆ Full mechanically ventilated with heat recovery.
Provision of feature and decorative lighting were specified to enhance 'Look and Feel'.
- ◆ Specialist extraction systems to fume extract, acid bath extraction, braising, hearths, furnace and dust.
- ◆ ICT Infrastructure to CAD/CAM, 3D printing and digital workshop.
- ◆ Integration to existing fire alarm and security systems.

Involvement

- ◆ Detailed design of building mechanical and electrical engineering services including full production of detailed design information in Revit MEP to inform the Building Information Model, thermal model, daylight model and low and zero carbon study.

Benefits Delivered

- ◆ Heat recovery from the furnace using run around coils variable speed ventilation to achieve air balance with LEV using velocity grids.
- ◆ 3D Revit modelling of services installation.
- ◆ Delivery of BREEAM Excellent scheme.
- ◆ Infrastructure remodeling and design including interfacing to existing systems.
- ◆ Survey of existing equipment and co-ordination of services supplies to specialist equipment.