

School of Performing Arts

University of Leeds

West Yorkshire

SERVICES: MEP ENGINEERING DESIGN

CLIENT: UNIVERSITY OF LEEDS

PROJECT DESCRIPTION:



Working with the Mechanical & Electrical Services Contractors, PrestonBARBER developed and co-ordinated the Primary Design Team's tender design for this state of the art building for the School of Performing Arts at UoL.

The building includes two performance theatres, a dance studio, classrooms, workshops and admin facilities.

PrestonBARBER progressed the Tender Scheme Stage D concept design to Stage E construction status, from which working drawings were produced.

This project posed a particular problem with respect to co-ordination of a highly serviced building with restrictive ceiling voids and risers.

The main theatres were provided with heat recovery based mechanical supply and extract ventilation systems via a centralised plant; other areas such as the changing rooms, offices, toilets, etc were provided with area specific ventilation systems although all incorporated heat recovery.

The heating and domestic hot water were connected to the existing University steam plant via steam-to-water calorifiers.

Generally produced schemes for all fixed and decorative lighting with the exception of the stage areas.



SERVICES PROVIDED:

Mechanical

- LPHW Compensated Heating
- Domestic Water Services
- Supply & Extract Ventilation

Electrical

- General & Decorative Lighting
- Small Power Installation
- CCTV & Security Installation
- Fire Alarms & IT Installation

Public Health

- Above Ground Soil & Waste
- Above Ground Rainwater

EDUCATION SECTOR UNIVERSITIES

TYPE: NEW BUILD

VALUE: £5.1M

DESIGN TEAM:

Architect -

DLA Architects LLP

Structural Engineer -

Bland & Swift Limited

Project Manager -

UoL Estates Department

Main Contractor -

Brenville Construction



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LOW CARBONCONSULTANTS



Competent Person Scheme
Building CO2 emissions rate calculation - Hevacomp
Certificate Number ERC3057