



Jesus College, Cambridge

Client

Jesus College

Project & Value

West Court: **£17.1 million** two stage design & build

Completion Date

April 2017

Duration

27 months

Project Scope

Extensive demolition and remodelling works
Design and build

Brief Overview

The Webb Building

This phase (completed December 2015) involved extensive remodelling of a grade II listed building to provide student accommodation, conference facilities, common rooms, offices, and a commercial grade kitchen with dining hall.

Café Pavilion & Basement Party Room

This phase is connected to the grade II listed Webb Building consisting of a frameless glazed, laminated oak timber frame pavilion above ground. The glazed pavilion is sited

on top of a larger basement bar/party room below ground directly adjacent to the existing structure.

The Rank Building

This phase involved the deconstruction of an existing 1970's reinforced concrete framed building with only the columns and floors remaining. The new construction provides 27 number 4* quality hotel grade accommodation, a new state of the art auditorium and Conference facilities, lifts, and a new structure to house the entrance and reception areas.



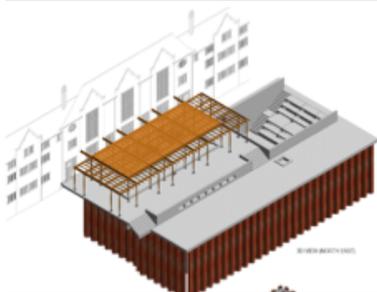
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The refurbishment of West Court has been our most significant development in recent years, perhaps in the whole history of the College and we are delighted with the outcome. All of the team from Cocksedge Building Contractors should feel immensely proud for the quality of workmanship and the overall commitment they put in throughout the duration of the works. A commendable all-round team performance for which we are extremely grateful.

Simon Hawkey Domestic Bursar



The Basement



Construction Issue Basement Design

Value Engineering

Originally the basement structure was designed to be constructed utilising a secant piling system to seal the high water table present, however, further soil testing was unable to determine the clay strata required, and subsequent piling estimates were prohibitively expensive jeopardising this phase of the project. We consulted with Professor Mair Head of Civil and Environmental Engineering, and subsequently put together a sheet piling and de-watering proposal alongside a specialist team to present to the client which offered substantial savings in the region of £500k. This proposal was developed fully including lengthy consultation with the Environment Agency for discharge licences for the ground water.

Project Manager

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