

THE FRY BUILDING

PROJECT: The Fry Building, University of Bristol

CLIENT: Balfour Beatty

SCOPE OF PROJECT: Extensive refurbishment of rooflights and integrated continuous roof glazing

PRODUCTS: em.glaze monopitch rooflights, em.glaze Ridgelight, custom Northlights, sympathetic heritage replacement and bespoke walk-on unit





Impressive refurbishment for historic landmark building

THE CHALLENGE

The 19m refurbishment of the Fry Building, included extensive refurbishment of the roof structure and existing roof glazing and rooflights.

Work on the Grade II listed building involved replacing the northlights and bespoke ridgelight in the flat roof area, vertical aspects in the complex saw-tooth section, sympathetic replacement of historic units, L and U-shaped integrated continuous rooflights and a challenging, high-specification walk-on installation.

THE SOLUTION

A large part of this refurbishment project focused on meticulous analysis during design and planning. Investigation of the existing structures, implications of any additional weight loading, wind uplift calculations and required fixing methods were all carefully considered.

Fragility considerations were of high importance for the flat roof area. The installation schedule also presented many challenges. A carefully planned, staged installation of the main units and flashings allowed for works to be completed more easily. Temporary weathering was utilised to facilitate this staged process.

Another particularly challenging element of the scope of works were the technical requirements for the walk-on unit installed above the new lecture theatre. It required a collaborative working approach with the structural engineer to ensure the specification was precisely defined. The installed unit features bespoke weathering and printed vinyl dots on internal glass layer, to offer diffused light to the area below.

THE BENEFITS

- Improved thermal performance and better internal comfort levels
- Enhanced u-values in all new glazing
- Custom specification achieved for unique walk-on unit
- Faithful replication of historic roof glazing, where required
- Reduction of risk throughout project with end-to-end solution provided
- Phased installation coordinated with other trades

