

Moulsham High School Chelmsford

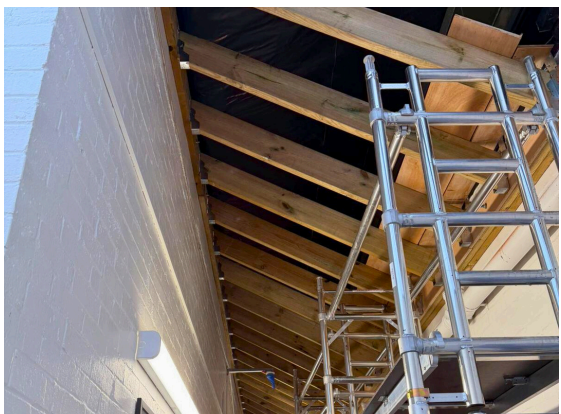
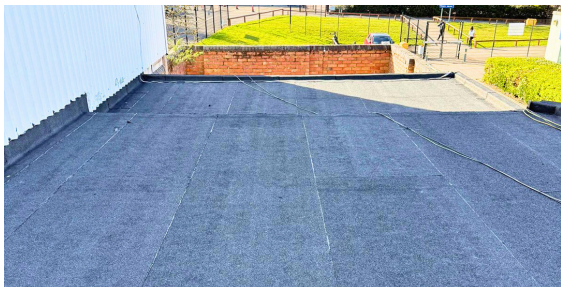
QUICK OVERVIEW

Client: Bridge Academy Trust

Value: £265k

Duration: 10 weeks over three phases

Scope: Urgent remedial works across three roof areas - flat roof, glazed roof void and large glazed roof



BACKGROUND & CHALLENGES

Bridge Academy Trust required urgent remedial works across three distinct roof areas at Moulsham High School, Chelmsford, each with its own structural and aesthetic demands.

The flat roof needed a full strip and replacement under tight time constraints. Two glazed roof sections, one over a historic void and another spanning a larger modern area, posed logistical and structural challenges, including the integration of reclaimed materials and transparent finishes. Coordinating multiple disciplines while maintaining school operations added further complexity.

SOLUTIONS

We deployed specialist teams to tackle each roof zone with precision:

- **Flat Roof (120sqm):** Stripped and replaced to Garlin specification, including a new flat board deck and a 25-year warranty system. Completed ahead of schedule.
- **Glazed Roof Void (140sqm):** Carefully removed existing glazing, installed new structural timber, boarded and plastered the internal void, and fitted reclaimed tiles on baton and breather felt to match the school's heritage aesthetic.
- **Large Glazed Roof (260sqm):** Removed existing glazing, reinforced with additional structural timber, and installed composite panels with transparent roof sheets to ensure durability and light transmission.



520m²
Of Roofs Replaced

OUTCOMES

All three roof areas were completed to specification, with the flat roof delivered ahead of programme and the remaining works completed on time.

The project enhanced the school's structural integrity, improved thermal performance, and preserved architectural character. Bridge Academy Trust praised Barwin RCS for its seamless coordination, craftsmanship, and ability to deliver complex multi-roof works with minimal disruption.

