



SCHOOL OF DIGITAL ARTS, MANCHESTER METROPOLITAN UNIVERSITY

Rainscreen cladding and innovative led-lit perforated panel system put maple expertise in the spotlight

LOCATION

Manchester

PROJECT

Profiled aluminium panels create façade on five-storey building - with additional perforated panels to accommodate LED lighting

DATE

Spring 2022

CONTRACTORS

Kier

ARCHITECTS

Fairhurst Design

DESIGN

- Profiled aluminium panels designed to create concertina design on architectural façade
- Design incorporates perforated panels to accommodate LED lighting
- Innovative system required close collaboration with specialist lighting designers
- Maple produced 3D renders and prototypes for approval by architect and main contractor

MANUFACTURE

- 3,000 sq m of aluminium panels folded in concertina profile to create 'pleated' effect
- Perforated panels manufactured to accommodate LED lighting
- Maple designed and fabricated bespoke gutter system and hidden drainage

INSTALLATION

- Concertina panels required specialist fittings and millimetre-perfect joints
- Maple installed 'compartmentalised' fire barrier system in line with current regulations
- Fire barrier system prevents fire spreading through voids created by the pleated panels
- Kalzip panels supplied and installed to clad the building roof

VERDICT

“It’s a project that stands out not just for its scale, but also for the level of collaboration that has been necessary between Maple, lighting designers, architect and all contractors to make it a success.”

Peter Mattimore, Operations Manager, Maple

DID YOU KNOW?

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