



GLASSHOUSE CAR PARK, ALDERLEY PARK

Preventing light pollution was crucial factor during design collaboration on prestigious car park project

LOCATION

Cheshire

PROJECT

Rainscreen cladding, ventilation louvres and brise soleil fins for multi-storey car park

DATE

March 2021

CONTRACTORS

Caddick Construction

ARCHITECTS

BDP (for Bruntwood commercial property developers)

DESIGN

- Louvres designed to reduce impact of light spill on local wildlife after advice from ecologists – evidence provided for planners
- Architects and contractors visited Maple factory to view 3D renders, full production drawings and mock-ups, and to collaborate on project approach
- Solid rainscreen panels and vertical fins completed design for six-storey car park façade

MANUFACTURE

- Lightweight and robust aluminium used for 100mm louvre blades and 300mm x 50mm vertical fins
- Bespoke aluminium rainscreen panels manufactured to curve round stair core areas
- Maple accommodated late changes to the design (and rainscreen specification) when entrance was widened by 9m

INSTALLATION

- Louvres on all elevations pitched at precise angle to maximise ventilation but prevent light spill from car headlights
- Specialist fixings required for vertical brise soleil fins, and to ensure seamless interface between panels
- Maple's onsite installation team rated nine-out-of-ten for communication by main contractor

VERDICT

“Maple were head and shoulders above other suppliers. We sat down with their design team and they showed us how they would approach the project. Maple have been instrumental in the appearance and the overall quality of the job – the attention to detail was particularly good, and the onsite supervisors were superb.”

Dave Burton, Contracts Manager, Caddick Construction

DID YOU KNOW?

Nocturnal animals such as bats can be disturbed by the car headlights and artificial lighting from multi-storey car parks. In areas of important natural habitat, planners seek advice from ecologists and liaise with developers before granting permission for new projects.

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MAPLE

