ROOMZZZ NEWCASTLE BRISE SOLEIL

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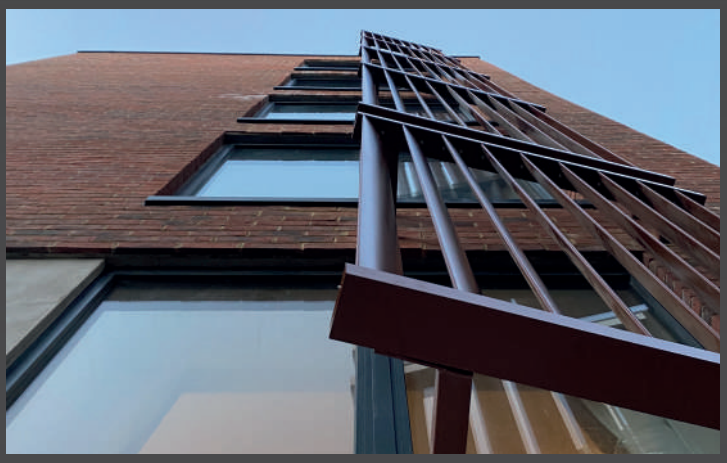
Brise Soleil



Project: Roomzzz Aparthotel Newcastle
Client: Broadley Group
Developer: Park Lane Properties
Architect: Studio MAP Architecture and Project Management
Product: 145mm Extruded Aluminium Elliptical Aerofoil
Project Sum: £3m

Summary

Two Point Seven Facades Ltd provided a full turn-key package. We performed the design, manufacture and installation of a aluminium Louvres brise soleil system. Providing shading to combined high end new build offices and manufacturing space, reducing passive solar heat gains.

Building Description

Roomzzz Aparthotel's was built on the vacant space which was once home to the Robinson's warehouse, which was demolished back in the 1960s. Planning permisions had been granted several times but never proceeded. Until the leisure operator followed through with the development of their fifth Aparthotel. The four-star; six storey; 77 bed aparthotel was build next to the Claverling Place Building.

It was a condition of planning that the rear elevation, facing neighboring offices and hotel spaces, required an element of screening to prevent prying eyes from gazing between buildings. The brise soleil which was provided to offer privacy also significantly reduced passive solar heat gains by shading the oriel windows from glare and harmful UV. The surrounding vernacular is heavily clad with COR-TEN® and in order to maintain uniformity, our brise soleil Canopy was coated in a colour which closely resembles COR-TEN®.

External Works - Vertical Brise Soleil

Two Point Seven Facades specified the use of our 145mm extruded aluminium elliptical aerofoil, set at 165mm pitch. The blades are discreetly connected to a box frame top and bottom using aluminium end plates, manufactured into complete panels off-site. The solution required coordination between our engineers and client engineer to develop a system which would connect directly to the CFT inside the oriel windows, using a first stage aluminium bracket.