



TIN HOUSE

Tin House, winner of the RIBA London Award in 2016 is a residential property that sits snugly cocooned by traditional terraced houses in Shepherd's Bush, West London.

Where access to light for the neighbouring properties and privacy was a key consideration, Henning Stummel Architects designed the property to be low in profile, with a sequence of interconnected pavilions. Each of these areas are uniquely sized with different-shaped and angled pyramidal roofs topped with trapezoid Neo Rooflights.

Internally, the Neo Rooflights, with their characteristic frameless design mean the glass appears to run seamlessly into the smooth plasterboard. Externally, the roof and walls are clad in standing seam metal in RAL 8004, Brick Red provided by cladding specialists, The Metal Roof Company. Here, the rooflight frames sit on top of the standing seam in the same colour looking like purposely designed 'slices of red steel'.

With each pyramid-shaped roof being different dimensions, each trapezoidal rooflight needed to be different, bespoke and made to measure. To support both the architect and contractors to achieve the vision, The Rooflight Co created custom-made frames, 3D plans and mock-ups of how the rooflights would fit, ensuring an effortless installation. This hands-on detailing and tailoring that The Rooflight Co is known for is precisely why the architects specifically requested our rooflights.

To provide ventilation the rooflights were designed to open. The shape and size of each Neo Rooflights combined with the resulting weight of each casement had a direct impact on the capability of opening these rooflights in one piece. Embracing the challenge, The Rooflight Co created a gliding mechanical system concealed within the frame, to lift or lower each window to the correct opening distance. Concealing the motors ensured the frameless Neo Rooflights sat effortlessly into the design, with unobstructed views of the sky.

The final installation method was as simple as slotting each rooflight into the top kerb on each pavilion, fixing them into position through thoughtfully designed fixing points, and wiring in the motors.

"Rooflights were part of bringing the project to life. Top light is very effective; it can change your mood. From having bright white light during the day to seeing the stars at night, top light changes all the time. It really brings space to life."

**Henning Stummel,
Henning Stummel Architects**

Architect:

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