

WOOD ROOM



The Wood Room project by Hive Architects is a masterclass in how considered architectural interventions can deliver a contemporary single storey extension, transforming a functional house into a modern family home that gives careful attention to detail and sustainability in line with a set budget.

The lead architect and homeowner, Rob McGinnes, envisioned a unique extension to the existing house with an emphasis on timber innovation and sustainable design principles.

The design strategy evolved from an original trapezoidal roof design to pitched roofs atop square-based pyramids, creating distinct zones for kitchen, dining, and living areas. This innovative approach enhanced the functionality of the space, and by strategically orientating rooflights to the south, the design optimised natural light distribution without compromising privacy or thermal performance.

With a firm, refined budget, Rob saw an opportunity to create a unique, sustainable extension that provided much-needed space for a growing family, whilst also integrating seamlessly with the garden.

The extruded pyramid roofs offer a bespoke aesthetic and enable strategic placement of The Rooflight Co's Neo® Rooflights to optimise natural light throughout the new extension. The Neo Rooflight is the original low-profile contemporary skylight, combining the highest modern performance standards with a frameless, minimalistic appearance both inside and out. Complementing modern architecture, the Neo Rooflight perfectly accompanies any interior design, elegantly introducing natural light into private residences.

A timber frame construction and cladding were chosen for their cost-effectiveness, insulation properties, and sustainability, whilst careful architectural detailing sought to minimise waste and maximise efficiency.

The integration of the Neo Rooflights played a crucial role, offering sleek, flush alignment with the timber cladding externally and providing frameless views internally. Bespoke detailing was required to seamlessly interface the cladding with the rooflights, showcasing a collaborative effort between the architect and our in-house design team to achieve a novel application.

Careful consideration was given to sustainable design principles, with the use of timber cladding and innovative construction techniques to minimise waste and environmental impact.

The integration of our high-quality Neo Rooflights not only enhanced natural lighting but also contributed to the overall energy efficiency of the extension. By strategically positioning rooflights to face south and incorporating our motorised opening mechanisms, the extension achieves optimal solar gain in winter while allowing for ventilation in summer, ensuring year-round comfort and energy efficiency.

Hive Architects teamed up with The Rooflight Co, seeking their expertise during multiple stages of the project. From ensuring the seamless integration of rooflights with timber cladding, to developing a perfectly aligned design interface; collaboration was key while the project was in RIBA stage two and three. Once in stage four, our dedicated Bespoke Design Team worked closely with the architect, crafting a channel gap that allowed the cladding boards to align flawlessly with the rooflight lines. Throughout the construction phase, the collaborative effort continued, addressing contractor queries on site and ensuring all details were double-checked. Together, we turned the architect's vision into reality, creating a unique and striking result.

The Wood Room extension stands as a testament to the transformative power of thoughtful design. By pushing the boundaries of conventional construction techniques and embracing sustainable principles, the project has not only enhanced the functionality and aesthetics of the dwelling but has also inspired others to explore the creative potential of timber in architectural design.



Image Credits: David Howcroft

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The Neo Rooflight achieves a whole window u-value of 1.4W/m²K in accordance with BS EN 14351-1. Achieving a light transmittance of 71% and a G-value of 0.53, the standard glazing specification has been carefully selected to provide the optimum performance for properties throughout the United Kingdom.

'Our decision to partner with The Rooflight Co was influenced by their reputation for quality and innovation. The slim profile, superior finish and contemporary aesthetic of their Neo rooflights set them apart in the market, aligning perfectly with our vision for the project.'

Rob McGinnes
Hive Architects

Architect:
[Hive Architects](#)

Rooflights:
[Neo Rooflights from The Rooflight Co.](#)

Contact us for more information:
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Alternatively, visit our website: www.therooflightco.com

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