

## Luxury Holiday Homes



### The Brief

In previous years we have had the pleasure of supplying roof trusses for several private housing developments, the most recent being in Newtown, Mid Wales, for Walker Shepard Construction. This new project involved designing and supplying roof trusses for a series of four luxury holiday homes based in the rural village of Knockin, Shropshire. We were pleased to continue our successful working relationship with Walker Sheppard and welcomed the opportunity to collaborate with them as they are a long-standing client of ours. The luxury holiday homes build comprised of four identical roof plans, each with a span of 9.8 metres and a 22.5° pitch.

### The Solution

Walker Sheppard took advantage of our free site measurement service which ensured that accuracy was maintained, with our team carrying out four visits to the site throughout their build. The plots detailed key design features including covered veranda area and large French doors. These were accessible from the indoor living space in order to take advantage of the fantastic surrounding countryside scenery. We were delighted to provide a bespoke solution for the luxurious nature of the build which relied on our design team's attention to detail and our high quality roof trusses to allow for a superior finish onsite.

*"We're pleased to have worked on several projects with Minera Roof Trusses over the course of many years. From site measure through to delivery, their service is second to none and that's why we return to them time and time again."*

**Mark Sheppard – Walker Sheppard**

**Client:** Walker Sheppard Construction Ltd

**Installation:** Knockin, Shropshire

**Date:** 2017- 2018

**Number of Trusses:** 164 (44 per roof and a valley set)

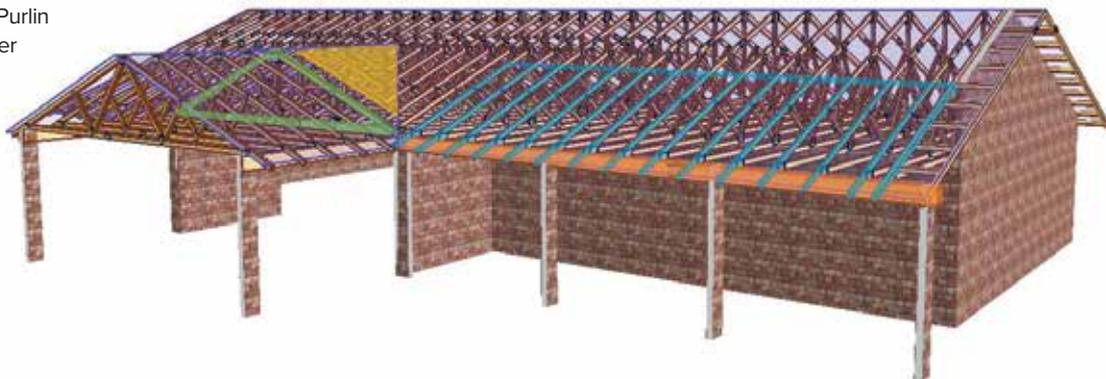


Valley Set



## Luxury Holiday Homes

- Valley Set
- Girder Truss
- Hidden Purlin
- Cantilever



### Technical

We worked closely on the design elements of the project to facilitate a high specification and seamless finish. Attention to technical detail was provided by our designer, Jon Grimes, who was the client's main point of contact and answered any queries for Walker Sheppard throughout the project.

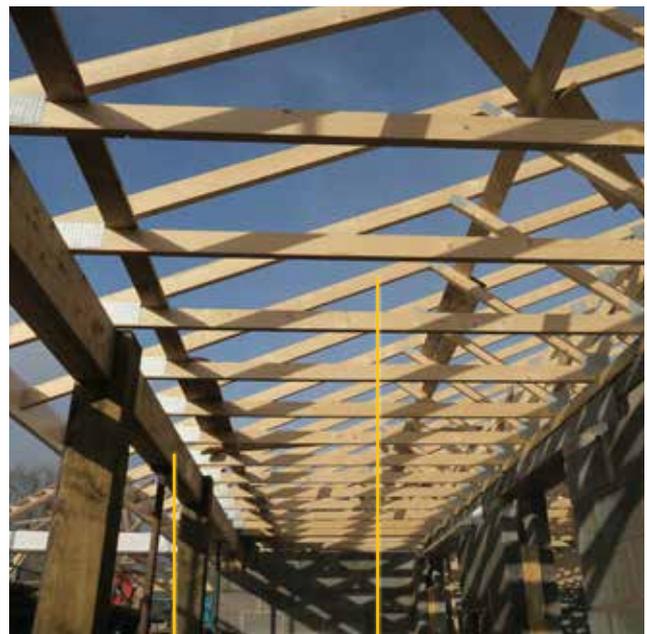
In order to form the covered veranda area, a cantilever was incorporated into the trusses. This is the part of a structural member of a truss which extends beyond its load bearing point which sits on the wall plate. The cantilever was then supported by a hidden purlin (a horizontal beam along the length of the roof) which rested upon feature pillars positioned along the front of the building.

In addition to the covered veranda area, Girder trusses in hangers were utilised for the valley set in order to give stability to the roof above the French door feature. This meant that weight from the trusses was alleviated by the lintel where the doors were positioned, ensuring structural durability was maintained.

### Results

Our long-standing relationship with Walker Shepard, alongside our commitment to great customer service and reliability, meant that the client was confident in presenting Minera Roof Trusses with the opportunity to work on this project. By applying our technical expertise and supplying our high quality manufactured roof trusses, the builds were completed to a very high specification, truly emanating their luxurious feel.

Minera Roof Trusses ensured the four separate deliveries were carefully scheduled to coincide with the client's planned timescales. This meant the client could progress with other tradesmen to ensure the build developed efficiently.



Hidden Purlin

Cantilever

### Conclusion

Minera Roof Trusses were thrilled to work closely with Walker Sheppard on another successful build. The result of the luxurious holiday homes project has been highly commended by the client and is a project for all involved to be truly proud of. We look forward to working on more high quality builds with Walker Sheppard in the future.

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