



TRUSSED RAFTERS

Trussed Rafters or Roof Trusses are prefabricated components used to provide a structural frame for roof support. A trussed roof is a fully engineered structure delivering a practical and versatile roofing solution. Now considered part of traditional constructional technology, Howarth Timber Engineered Solutions has been manufacturing trussed rafters for more than 30 years. Engineered trussed rafters still offer the most cost effective and flexible design solution to simple and complex pitched roof constructions.

The Howarth Timber Engineered Solutions team will formulate a practical design solution based on the supplied architectural outlines and details. This can be undertaken as a single commissioned solution or in collaboration with the primary design team. Howarth Timber Engineered Solutions provides technical advice, design guidance and installation information for each project.

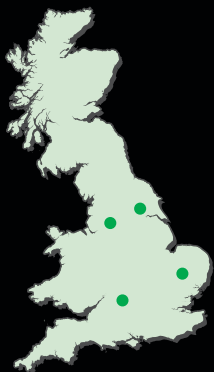


The Howarth Timber Engineered Solutions design and production process is fully integrated. This generates the necessary geometric profiles, the appropriate timber grade and section, and type and size of connector plate. A semi-automated manufacturing process establishes the truss profile by positioning within a range of jigs and press types, which are selected to reflect the complexity and size of the truss. Where required, timber can also be preservative treated.

Our team can provide the appropriate design warranties and we are able to fully certify our supply chain in accordance with recognised industry standards. In addition, we will evaluate health and safety risks in accordance with CDM Regulations and provide advice so that a full and accurate risk assessment and method statement for site operations can be prepared.

Using market leading and licensed Roof Truss design, layout and scheduling software our design teams will provide all the relevant construction and installation information, materials schedules and engineering calculations. Working closely with our supply chain partners all our specialist designers undergo extensive product, software and practical training to ensure that we deliver efficient, buildable and cost effective solutions for our customers.

- / Effective and flexible solutions – Suitable for a wide range of roof structures and building types.
- / Capability – Roof trusses can span long distances without the need for load bearing interior walls.
- / Offsite manufacture – Saves on-site time
- / Cost Reductions – Prefabricated components mean reduced labour costs.
- / Energy Efficiency – Up to 40% more energy efficient than traditional construction methods and materials.
- / Sustainability – Full chain of custody through PEFC forest certification. (FSC® certification available on a project by project basis)



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