



QUALITY YOU CAN RELY ON TRUSSED RAFTERS

Now considered part of traditional constructional technology, Howarth Timber Engineering 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.

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

HTE offer two design options:

- 1. Complete roof design - we undertake full design responsibility for the complete roof which includes the design and supply of all structural elements, i.e. roof trusses, infill timber, wind bracing and any associated structural metalwork.**
- 2. Component only design - we undertake design responsibility for the roof trusses and any associated bracing.**

Regardless of whichever option is selected, each project is designed for specific loading and service class in accordance with BS 5268 PT3. Howarth Timber Engineering can provide the appropriate design warranty and we are able to fully certify our supply chain in accordance with recognised industry standards. In addition, Howarth 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.

Our 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. An 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.

All Howarth Timber Engineering trussed rafters are loaded vertically onto a customised trailer and delivered to site at pre-arranged dates and times. Deliveries will require some form of mechanical off-loading and Howarth Timber Engineering can provide guidance on load weights and dimensions.



