Crendon
TIMBER ENGINEERING

Since 1967

Structural Timber Systems
SUPPLIER OF THE YEAR

SEVEN TIMES TTJ AWARD WINNERS

2019, 2021, 2022, 2023, 2024, 2025

WINNER TTJ AWARDS 2026

TTJ AWARDS 2026 WINNER
TTJ ENVIRONMENTAL ACHIEVEMENT AWARD





CELEBRATING 60 YEARS 1967-2027 OF TIMBER ENGINEERING





TRA 2026
Roofscape Design Awards
Safety Champion Winner 2026



For all your Timber Engineering Solutions ACROSS ENGLAND & WALES

TRUSSES
METAL WEB POSI-JOISTS
ROOF CASSETTES
FEATURE TRUSSES
SIPS PANELS
GABLE PANELS

SPANDREL PANELS
TIMBER FRAME
ROOFING & FLOORING METALWORK
I-JOIST
FLOOR CASSETTES
PORCHES

GABLE PANELS | POSI-JOIST® | ROOF TRUSS | I-JOIST | SPANDREL PANELS

CHAS | TRA | MiTek | PEFC | STA Structural Timber Association Member | STA Assure Gold | Constructionline | CATG UKAS | CATG UKAS | CATG ISO 45001

November 2026

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Roof Cassettes
Spandrel Panels
Feature Trusses
Timber Frame

Trusses
Gable Panels
Floor Cassettes
Porches

Since 1967 we've been at the forefront in the design and manufacture of engineered timber products. We are constantly working with our customers to create new levels of on-site efficiency, exceptional service and innovative thinking, meaning our products help builders and developers deliver better new homes.

We offer a comprehensive design and manufacturing service through our team of professional designers. Our manufacturing facilities are all quality controlled and CE certified.

Attic Trusses

POSI-ATTIC®

Designed to include a bottom cord which acts as a floor platform, offering more flexibility in the building's layout – and making it easy to add an extra bedroom, en-suite or walk-in wardrobe. Attic Trusses are quicker and easier to install than traditional steel beams or loose timbers. Options for the 'floor joist' include strong, lightweight metal web joists which also allow services to be easily installed.

"trusses with up to 16 metre spans"



Roof Trusses

ROOF TRUSS

Timber Roof Trusses are the most cost-effective way to build a roof – a flexible, practical, easy-to-erect engineered solution which saves time on-site and can use up to 40% less timber than traditional options.

Crendon roof trusses have up to 16m clear span and are manufactured from TR26 graded timber either 35mm or 47mm thick. Our gable ladders and valley frames, where required, come pre-assembled to save time on-site.

All trusses are purpose-designed and the package can include:

- Structural timbers to complete the roof, including wind bracing, loose rafters, ceiling joists, hip boards and any other infill.
- The complete structural package for the project can include manufactured gable ladders, valley frames, spandrel panels and gable panels.
- Metal fixings for timber to timber and timber to masonry connections.
- Wallplates, wallplate straps, restraint straps.
- Non-structural timbers – tank platforms, fascia, soffit, etc.
- PVCU or timber fascia and soffit.

ROOF & FLOOR CASSETTES



We can manufacture metal web Posi-Joist floor cassettes with Egger 22mm Protect Decking to speed up the installation of flooring on-site. Our Roof Cassettes with Glulam or Box Truss Ridge Beams are modular interlocking panels for quick and simple installation creating a vaulted light and open ceiling space.

Spandrel Panels

A cost effective alternative to blockwork party walls affording major Health and Safety benefits whilst offering considerable build time savings.

Supplied as fire rated and robust detail timber frame panels, made to the profile of the roof, they remove the need to build up masonry party walls into the roof space, saving time on build programmes. With built-in lifting straps they are installed alongside the trusses to form a fully compliant dividing wall.



Gable Panels

Crendon has an enviable track record in the detailing, off-site manufacture, supply and installation (when required) of Gable Panels. These factory-produced prefabricated panels are an alternative to traditional brick and block gable end walls.

Designed to meet UK Building Regulations as well as the profile of the roof, Gable Panels are installed in place of the inner block skin of the cavity gable end wall. By eliminating the need for internal scaffolding and simplifying the sequence of other trades in the roof, Gable Panels can assist in the reduction of on-site costs whilst significantly improving Health & Safety procedures.

Feature Trusses

Forward-thinking designers are turning to feature trusses to create open, light, loft style rooms. Crendon have many years experience designing and manufacturing feature trusses in a wide range of styles, from the simplicity of industrial plated, to the boldness of glulam softwood and stainless steel.

We can combine our engineering expertise with traditional carpentry skills to produce custom made, heavy section, feature trusses. Hand made in Softwood, Oak, Douglas Fir or Glulam, we create styles and detailing that will suit your specific environment.



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STA Assure Gold

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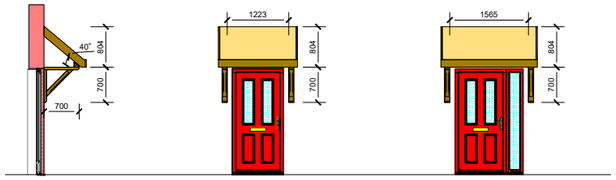
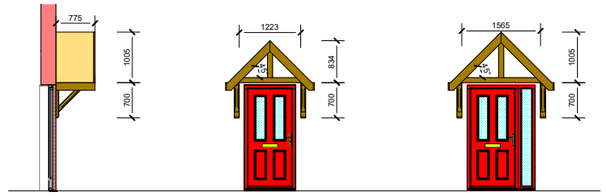
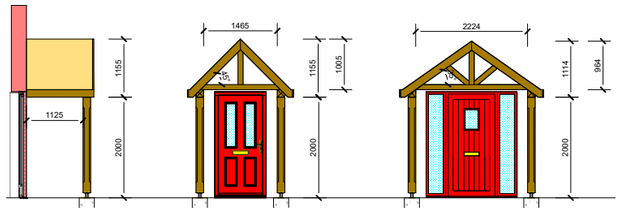
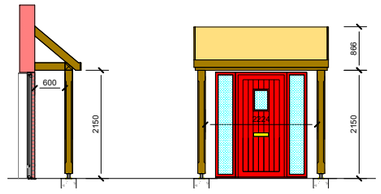
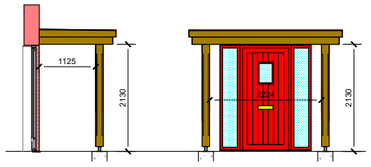
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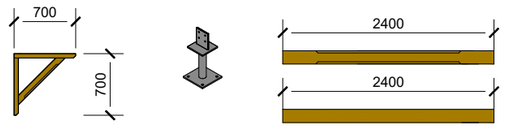
PORCHES

- Available manufactured from Softwood or Oak.
- Porch timbers supplied in planed finish for priming/painting/staining on-site.
- Roof supplied in cassette form with posts/gallows supplied loose.
- Post bases can be supplied as an add on item.
- Fixings, membranes, battens, tiles or finishes excluded.
- Bespoke designs can be quoted upon request.

	STANDARD	WIDE
Fentham		
Eastcote		
Packington		
Arden		
Hampton		

ITEMS AVAILABLE SEPARATELY

700 x 700mm Gallows bracket in softwood
700 x 700mm Gallows bracket in Oak
100 x 100mm Softwood Post 2400mm
150 x 150mm Softwood Post 2400mm
150 x 150mm Softwood Post with stop chamfers
Stainless steel post base



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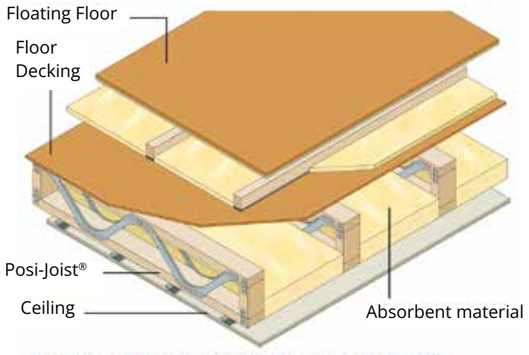
POSI-JOIST®

Crendon is the UK's leading manufacturer of Posi-Joists and metal web joists for domestic and commercial applications for both floors and roofs. Also known as Eco-Joists, Metal-Web and Easi-Joists, they combine the lightness of timber with the strength of steel, are easy to install and span greater distances than timber alternatives to allow unequalled design freedom.

The Posi-Joist® offers exceptional floor performance from a minimum 72mm wide fixing surface, and the unique open web design makes it easier for plumbers and electricians to install services with no drilling, notching or cutting needed – helping reduce time and costs.

Posi-Joist can be specified in a wide range of depths and specifications:

Web Type	Clearance between flanges	Standard Depth
PS9	131mm	225mm
PS10	159mm	253mm
PS12	210mm	304mm
PS14	279mm	373mm
PS16	327mm	421mm



Separating floor construction (Robust Detail E-FT-3)

E-FT-3 Separating Floor – Metal-Web Joists

Use with Timber Frame walls only.





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I-JOIST

These structurally engineered timber joists are used in many new homes. They are made from a web sandwiched between top and bottom flanges, which is glued, pressed and heat-cured. The I-shaped cross-section gives them their name, but also means they can carry far heavier loads than a conventional timber joist of equivalent weight.

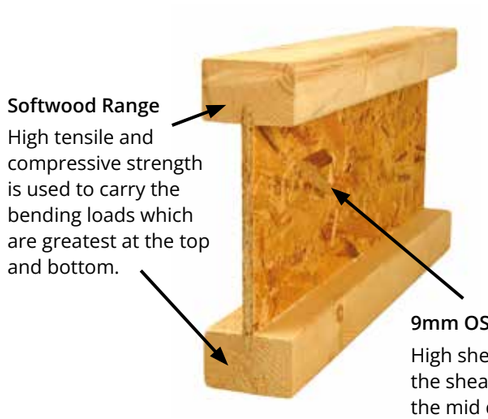
ROOF & FLOOR CASSETTES

Crendon offers 245mm and 300mm deep I-Joists from stock which are the most popular sizes for domestic floors. If you require 225mm deep Crendon can design and supply these in Posi-Joist. For commercial floors and roofs 350mm and 400mm deep type D I-Joists are also available. I-Joists are a very cost effective alternative to solid timber floor joists and flat/shallow pitch roof members, eliminating shrinkage, splitting and warping.





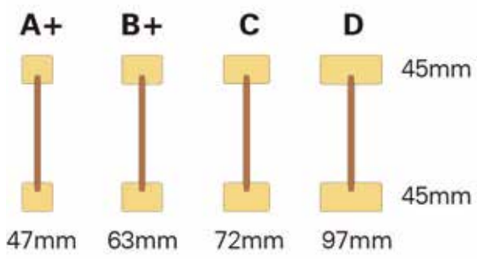
JJI-Joist Composition



Softwood Range
High tensile and compressive strength is used to carry the bending loads which are greatest at the top and bottom.

9mm OSB Web
High shear strength is used to carry the shear loads which are greatest at the mid depth of the section.

JJI-Joist Flange Sizes



James Jones & SONS LIMITED
TIMBER SYSTEMS DIVISION

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DORMERS

THE FASTER, SAFER, DORMER OPTION

Product Description

The Crendon Pre-fabricated Timber Dormer Kits are designed to reduce on-site time and labour costs, providing a simple and safe ready-to-fit solution for housebuilders – an ideal alternative to forming by hand.

Features & Benefits

Each dormer kit consists of individual side cheeks, gable panel and roof trusses, for a complete solution in one package:

- Simpler – single trade solution.
- No cutting – reduces installation time and labour costs.
- Safer build – working at height reduced.
- Pre-clad, ready for exterior finish – saves time on-site.



Technical Details

Dormers are constructed from 47x97mm TR26 Timber, they also include a Gable Panel and Roof Trusses. A Specific opening is created to accommodate the correct window height and size. The Dormers are then clad with 9mm OSB3 to the entire external face. To complete the installation, necessary timber is supplied to valley the Dormer to the Roof Trusses.

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Offsite Manufactured Dormers

We offer a standard prefabricated or bespoke dormer solution to ensure quality, enhance speed of build and reduce working at height. An insulated dormer built offsite as part of your total roof solution from Crendon. All dormers are fully engineered to your design and supplied to site either as a 'kit' or 'complete' ready to install.



Fully Designed & Engineered

- Offsite manufactured
- Reduces on-site build time
- Addresses skills shortages
- Helps to meet high demand
- Availability of bespoke sizes
- Structural Dormer - Engineered
- Factory Insulated - Range of U-value options
- A1 Fire Rated Option
- Quick and easy to install
- Suitable for all finishes

CATG FRAME MARK TIMBER FRAME

Glulam Beams

GLULAM

Benefits of using Glulam include:

- Inherent load bearing strength.
- Ability to design large wooden spans to create open spaces.
- An eco-friendly alternative to concrete and steel.
- Durable, light and easy to handle.
- Requires no boxing in or cladding.
- Glulam can be pre-cambered to counteract the effects of deflection in long spans.
- Competitive price makes it a clear choice for all types of construction.



Services

SUPPLY & FIT

For the complete professional solution to your timber roof and timber floor structures, Crendon offer a Supply & Fit service for everything we supply. This gives you the convenience of an integrated package with simplified site management, cost-certainty, and a single point-of-contact. Our qualified Contract Managers manage fully certificated Carpentry Teams to complete the installation process from start to finish with weekly reports and full project completion sign off.

Health and Safety is paramount at all stages, including crane lifting plans where appropriate and Risk Assessments / Method Statements. Our professional approach is based on ease of building to reduce risk and improve safety, and our policies and procedures reflect this. We have both CHAS and SMAS accreditation, plus our Contracts Managers hold SMSTS certificates and site foremen SSSTS certificates.

FASTRACK

Where trusses or joists are required very quickly, we offer a five day FASTRACK delivery service from receipt of signed approved manufacturing drawings.



STA ASSUREGOLD

CHAS

smas worksafe contractor www.smasltd.com as recognised by SSIP SAFETY SCHEMES IN PROCUREMENT

Mission Statement

From project inception to completion our service commitment reinforces our mission statement "to provide innovative, cost effective, timber engineering solutions to enhance the quality, safety and speed of construction."

Stephen Thompstone, CEO Crendon Timber Engineering

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TIMBER INNOVATIONS

Glosford SIPS

SIPS Superstructures





SIPS

SIPS INNOVATIONS

Our sister companies Glosford SIPS and Timber Innovations both have extensive experience with designing SIPS Panels for use in housing and commercial projects.

Their in-house design and engineering teams are able to facilitate the most challenging structures and can achieve Passiv insulation standards.

- Speed of build
- BBA approved
- U-values 0.19 to Passivhaus
- Vaulted roofs for optimum use of space
- SIPS allow simple solutions to achieve air-tightness

Selfbuild

Commercial



GLULAM

- Fast assembly
- Lightweight
- Accurate as built dimensions
- Excellent thermal performance
- Hybrids with glulam & steel structures
- Metal web joists for simple installation of follow-on trades

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TIMBER INNOVATIONS

Crendon Since 1967 TIMBER FRAME

Timber Frame Superstructures

Our impressive track record of projects range from Self and Custom built homes to Schools and Care Homes. Our ability to offer oak features combined with timber frame, and efficiently integrate with glulam or other structural elements, set our designs apart.

- Bespoke superstructure from our in-house design and engineering team
- Choice of U-value and Insulation Solutions
- Other wrap around services with our Innovations PLUS package
- Vaulted ceilings and insulated roof cassette solutions





TIMBER FRAME

ROOF & FLOOR CASSETTES

TIMBER INNOVATIONS

Selfbuild

Commercial





- Structural wall panels with Metal web floor joists and a range of roof structures
- Complete freedom of choice for external finishes
- Complex structures, up to five storeys - or more if onto a podium
- Experience with education buildings, hotels, student accommodation & care-sector projects
- Design, supply, manufacture & installation nationwide

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For all your Timber Engineering Solutions



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wb
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TIMBER · Glulam · I-JOIST · GLULAM · PORCHES · DORMERS · POSI-RAFTER · TIMBER FRAME · Glosford · PASSIV

TRA · CATG · CATG · CATG

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