TIMBER INNOVATIONS

structural TIMBER AWARDS 2025 WINNER SUPPLY CHAIN PARTNER OF THE YEAR

structural TIMBER AWARDS 2024 WINNER

2026 MIDLANDS AWARDS WEST INNOVATION AWARD

Build It AWARDS 2024 WINNER Best Timber Frame Home

Wyckham Blackwell 140TH ANNIVERSARY 1884 - 2024

TRA 2026 Roofscape Design Awards Commercial Project of the Year Finalist 2026

TRA 2026 Roofscape Design Awards Residential Project of the Year Finalist 2026

TRA 2025 Roofscape Design Awards Residential Project of the Year 2025

Wyckham Blackwell timber engineering Since 1884













For all your Timber Engineering Solutions

TRUSSED RAFTERS
METAL WEB EASI-JOISTS
ROOF CASSETTES
FEATURE TRUSSES
SIPS PANELS
DORMERS
SPANDREL PANELS
TIMBER FRAME
TIMBER TREATMENT
PORCHES
FLOOR CASSETTES
LARSEN FR / PASSIV FR

GABLE PANELS | EASI-JOIST® | ROOF TRUSS | PORCHES | SPANDREL PANELS

Constructionline | smas worksafe contractor www.smasltd.com | SSIP | CE 2874 | TR4 | PEFC | STA ASSUREGOLD | wolf SYSTEM | UKCA 1245 | BMF Builders Merchants Federation | CATG UKAS | CATG UKAS | CATG

"...better by design"

Wyckham Blackwell

For all your Timber Engineering Solutions

TRA 2026 Roofscape Design Awards — Commercial Project of the Year Finalist 2026

TRA 2026 Roofscape Design Awards — Residential Project of the Year Finalist 2026

TRA 2025 Roofscape Design Awards — Residential Project of the Year 2025

Roof Cassettes
Spandrel Panels
Feature Trusses
Timber Frame

Timber Treatment
Trusses
Floor Cassettes
Porches

At Wyckham Blackwell, we are an award-winning timber engineering specialist, providing innovative, cost-effective timber engineered solutions across England and Wales that enhance the quality, safety and speed of construction. We understand timber and how timber engineered products can save our clients time and money.

Established in 1884, our services and expertise have been honed for well over a century, and we are proud to celebrate over 60 years of manufacturing Roof Trusses. We offer a comprehensive design and manufacturing service through our team of 'in-house' professional designers. Our manufacturing facilities are all quality controlled and CE certified.

We welcome working alongside our clients on any project from inception to completion.

Attic Trusses

Providing a room in the roof by installing attic trusses has huge benefits all round for the home owner and builder maximising living space.

We are also one of the few companies to regularly design and manufacture trusses with up to 16 metre spans.

ROOF TRUSS



Roof Trusses

Wyckham Blackwell understand timber, its beauty, its strengths and its versatility. With a background of over 140 years in the timber and joinery industry, we believe we also know our customers.



Since 1966 we have developed an unrivalled reputation for the design and supply of quality roof trusses to provide roofing solutions whatever the size of the project.

Wyckham Blackwell offer the architect, designer and contractor a complete roof design service to help take advantage of the material and construction savings by using timber trusses.



Curved Roof Trusses

Curved roof trusses to create barrel ceilings and match rooflines of old barns to comply with specific planning permission details are a speciality we can design and manufacture.



ROOF & FLOOR CASSETTES



Wyckham Blackwell and Timber Innovations can manufacture metal web Easi-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

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. Supplied with built-in lifting straps they are installed alongside the trusses to form a fully compliant dividing wall.



GABLE PANELS

Gable Panels

Wyckham Blackwell has an enviable track record in the detailing, off-site manufacture, supply and installation of Gable Panels. These factory-produced prefabricated panels are an alternative to traditional brick and block gable ends.

Designed to meet UK Building Regulations as well as the profile of the roof, Gable Panels are installed alongside the trusses. By eliminating the need for 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 and Safety procedures.

FEATURE TRUSS

Feature Trusses

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.



"...better by design"

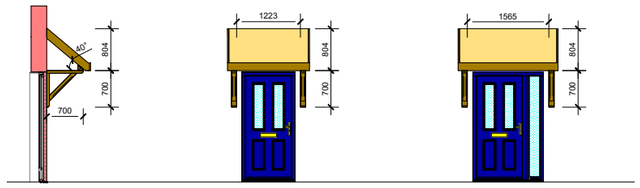
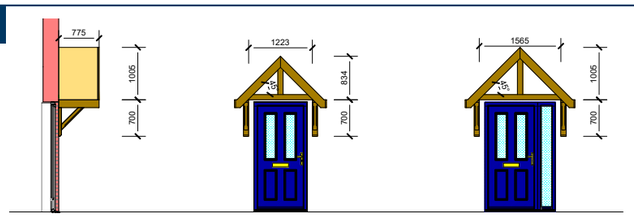
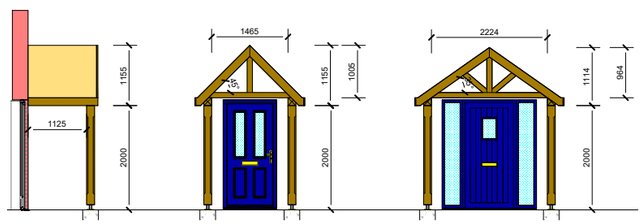
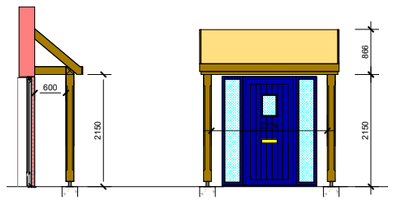
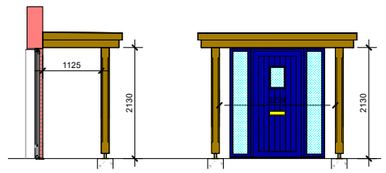
TIMBER INNOVATIONS

PORCHES

"to provide innovative, cost effective timber engineering solutions to enhance the quality, safety and speed of construction".

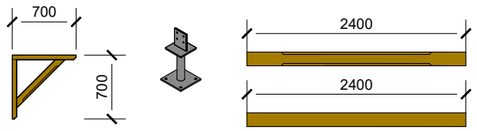
Wyckham Blackwell timber engineering
Since 1884

- 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.
- Prices include for delivery in minimum lots of 4.

	STANDARD	WIDE	PRICE
Fentham			**Standard** £635 + VAT **Wide** £690 + VAT
Eastcote			**Standard** £855 + VAT **Wide** £910 + VAT
Packington			**Standard** £1050 + VAT **Wide** £1265 + VAT
Arden £1045 + VAT		**Hampton** £1375 + VAT 	

ITEMS AVAILABLE SEPARATELY

700 x 700mm Gallows bracket in softwood	£100 each
700 x 700mm Gallows bracket in Oak	£150 each
100 x 100mm Softwood Post 2400mm	£105 each
150 x 150mm Softwood Post 2400mm	£160 each
150 x 150mm Softwood Post with stop chamfers	£195 each
Stainless steel post base	£215 each



Metal Web Easi-Joists

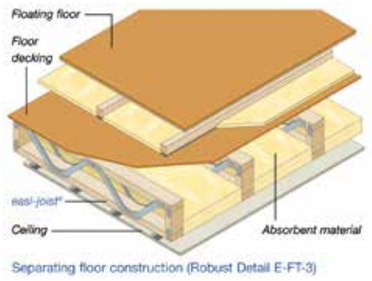
EASI-JOIST®

Advantages

- Rapid installation - increased span capacity
- Open web design - complete flexibility for service runs
- Large bearing surface - easy fixing of flooring and plasterboard
- Engineering service - layout drawings and design calculations
- Made to measure - no waste on-site
- ISO 9001 Approved - CE certified manufacture
- Can achieve long span Easi-Rafter solutions



EASI-RAFTER®



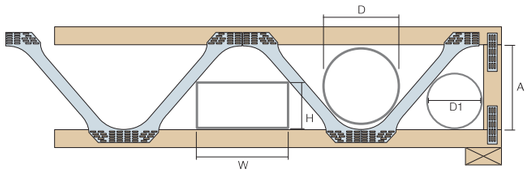
Separating floor construction (Robust Detail E-FT-3)

E-FT-3
Separating Floor – Metal Web Joists
Use with Timber Frame walls only



Technical Specification

Joist depth (in mm)
195, 219, 254, 304, 417



Clearance for circular service

	WS200	WS250	WS300	WS400
A (mm)	125	160	210	323
D (mm)	100	150	200	280
D1(mm)	100	100	130	190

Domestic Floors

No insulation required for joists 219mm and above.

Independent sound and fire tests have been carried out to prove that Metal Web Easi-Joists do not require insulation within the floor void in order to conform with the requirements of relevant Building Regulations.

Build into Party Walls

Metal Web Floor Easi-Joists can be built into party walls. Simply seal the joint with a silicone sealant in order to comply with both Robust Details and Engineered Wood Products Code of Practice for air tightness.

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TIMBER INNOVATIONS

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Wyckham Blackwell timber engineering
Since 1884

GLULAM

The natural alternative to steel or concrete that is economical, strong and attractive. Glulam is made by gluing together, under pressure and heat, laminates of timber that have been accurately planed. The resulting product is strong, stable, and corrosion proof with significant advantages over structural steel and concrete.

The beams are made with wood from sustainable forests and are long-lasting and easy to work with.



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



Performance Built-in

Vacsol AQUA

Accepted by NHBC

Treated Construction Timber from Wyckham Blackwell

Timber can be made to perform to even higher standards by properly protecting against the risk of fungal and insect attack. Vacsol Aqua treated timber from Wyckham Blackwell has been impregnated through the Vac-Vac process with Vacsol Aqua wood preservative to give it this extra quality.

Our in-house treatment facilities provide a quick and professional service for all of your building and roofing timbers.

Vacsol Aqua treated timber used in Use Classes 1 and 2 applications is treated to a desired service life of 60 years.

Specifications and Standards Vascol

Aqua preservative is tested in accordance with the requirements of EN 599, including extended field trial testing. VACSOL Aqua treated timber is treated in accordance with the penetration and retention requirements given in BS 8417. Use Classes are defined in EN 335. VACSOL Aqua treated timber meets NBS (Z12), National House Building Council and the Wood Protection Association National Specifications.

Desired Service Life

The desired service life does not provide a guarantee of performance but an indication of the expectation against which the recommendations for timber treatment are drawn up, assuming good design and normal conditions of use.

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 Wyckham Blackwell. All dormers are fully engineered to your design and supplied to site either as a 'kit' or 'complete' ready to install.

- 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

DORMERS



Fully Designed & Engineered

CATG FRAME MARK TIMBER FRAME

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TIMBER INNOVATIONS

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Wyckham Blackwell timber engineering
Since 1884



DORMERS

THE FASTER, SAFER, DORMER OPTION

Product Description

The Wyckham Blackwell 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.

TR4

"...better by design"

Roof and Floor Cassettes

ROOF & FLOOR CASSETTES

Wyckham Blackwell and Timber Innovations can manufacture many different styles and specifications of Floor and Roof Cassettes from a basic structural solution to a complex engineered composite, sandwich construction to meet the most challenging structural, acoustic or thermal specification requirements.





- Manufactured using I-Joists or Metal Web Joists
- Variety of sheet materials/finishes available
- Factory fitted rim beams & metalwork
- Design & Engineering 'in-house'
- Factory insulated option

- Built in lifting loops for crane erect
- Robust details compliant
- Increased speed of build
- Pre-planned service runs



I-JOIST



TR4

"...better by design"

SIPS INNOVATIONS

Wyckham Blackwell 140TH ANNIVERSARY 1884 - 2024

PASSIV INNOVATIONS

TIMBER INNOVATIONS

Wyckham Blackwell 140TH ANNIVERSARY 1884 - 2024

PASSIV INNOVATIONS

SIPS Superstructures



Selfbuild



Timber Innovations is a Kingspan TEK delivery partner with extensive experience in housing and commercial projects. Our in-house design & engineering team always achieve the most efficient structures.

- 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



Commercial



- 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

Timber Innovations are an award-winning Timber Frame manufacturer, we specialise in the design, manufacture and installation of Timber Frame, SIPS and Oak Frame homes nationwide. Our award-winning Larsen Panel provides a complete build solution for any client or developer who is seeking to achieve the lowest levels of embodied carbon in their construction.

- Passivhaus Zero Carbon buildings
- Unique Larsen TWIN wall panel
- Natural, breathable insulation options
- Hybrid packages with oak or glulam features

We provide innovative, cost-effective and eco-friendly timber engineering solutions.

Timber Innovations are experienced in a variety of techniques to achieve Passivhaus / 'Near Zero' Energy compliance.

High comfort, low energy

We offer timber frame and SIPS solutions to meet Passivhaus and 'Near Zero' Energy requirements.

- Airtightness detailing of complex junctions
- Larsen Truss Specialists – to reduce cold bridging
- Natural, breathable insulation options
- Engineer, design, manufacture & install
- Factory-filled Warmcell panels are now available

STA ASSURE GROUP

"...better by design"

Timber Frame Superstructures

TIMBER FRAME

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 solutions
- Other wrap around services with our Innovations PLUS package
- Vaulted ceilings and insulated roof cassette solutions





Selfbuild

ROOF & FLOOR CASSETTES

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

STA ASSURE GROUP

"...better by design"

TIMBER INNOVATIONS

Wyckham Blackwell 140TH ANNIVERSARY 1884 - 2024

Wyckham Blackwell timber engineering
Since 1884

Services

SUPPLY & FIT

As well as supply only for your complete engineered timber package of products, Wyckham Blackwell can also quote for and provide a complete SUPPLY & FIT solution.

For large complex roofs and floors we offer a structural carcass installation facility to provide a “one stop solution”. Our Contract Managers and installation teams provide a complete SUPPLY & FIT package including all necessary Crane Hire.

FASTRACK

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

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.”

STA ASSUREGOLD

CHAS

smas worksafe contractor www.smasltd.com

as recognised by SSIP SAFETY SCHEMES IN PROCUREMENT



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WyckhamBlackwel
WB_Timber

SPANDREL PANELS · FASTRACK · SUPPLY & FIT · TIMBER FRAME · SIPS · PORCHES · ROOF & FLOOR CASSETTES · GABLE PANELS · ROOF TRUSS

DORMERS · GLULAM · EASI-JOIST · EASI-RAFTER · FEATURE TRUSS · EASI-ATTIC · PASSIV

TRA

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