



**NTS** 

**NATIONAL  
TIMBER SYSTEMS**

Part of National Timber Group

## **SPECIALISTS IN**

Engineered I-Joists,  
Roof Trusses, Roof & Floor Cassettes,  
Glulam Beams, Spandrel Panels,  
*NYTROOF Rapid Fit System*



# ABOUT US

Arnold Laver - Mosborough, Sheffield

NYTimber - Brompton, North Yorkshire



## LOCAL CONTACTS, NATIONAL DELIVERY

As part of National Timber Group, the largest independent added-value timber distribution and processing group in the UK, NYTimber and Arnold Laver supply the UK construction and housing sectors with timber and timber-related products.

National Timber Systems, our engineered wood products division, offers a wide range of high quality floor, wall and roof products all designed, engineered and fabricated at one of our four manufacturing centres across the Arnold Laver and NYTimber Branch network.

Recent innovations include the NYTROOF *RAPID FIT SYSTEM* for housing, designed and engineered to create a 'Room in the Roof'.

Our products save build time on site, improve thermal values and reduce health and safety risk for all methods of modern construction. They include roof trusses and engineered joists for all levels of build complexity, pre-insulated spandrel panels for party and gable walls and pre-insulated roof, wall and floor cassettes.

Whether you're a single site developer or a national housebuilder, our highly experienced and skilled team of designers, engineers and fabricators can help you deliver your projects on time and on budget.

## What We Offer

- Over 40 years' experience & expertise
- Complete design & engineering service
- Full design & technical product support
- Regional & national deliveries
- Fully certified including FSC®, PEFC & CE
- Reliable & trusted leadtimes
- Quick & effective responses to enquiries
- Additional timber products from stock

# CONTENTS

## 4 NTSROOF® Panelised Roof System

Engineered and designed in-house, the NTSROOF range provides a panelised roof system for various house types. Supplied nationally.



## 6 Trussed Rafters

We design, manufacture, and deliver all types of trussed rafters including attics and raised ties.



## 7 STEICO Engineered Joists

Designed in-house to individual requirements from one-off projects to full site plans and complex commercial structures.



## 8 Gable and Party Panels

Designed, engineered, manufactured and delivered, this cost saving method of construction can be pre-insulated and fire-boarded in our factory.



## 10 Floor & Roof Cassettes

Manufactured in our factory, roof and floor cassettes can be pre-insulated ready for installation on projects across the UK.



## 11 Pre-Insulated Wall Panels

Manufactured in our factory to assist speed of build and an alternative to masonry infills, these structurally engineered panels have excellent thermal qualities.



## 12 Certifications

Certification for CE marking, FSC® & PEFC. Members of the Trussed Rafter Association. Robust Details accredited.



## 13 Key Supplier - EGGER

EGGER's portfolio of enhanced moisture resistant structural flooring boards offer a choice of finishes and levels of protection for your project.



## 14 Projects

Recent projects across the UK using our extensive range of modern methods of construction manufacturing products.



# NTSROOF®

SIMPLE. SAFE. SECURE.  
**NTSROOF®**



This fully designed and engineered panelised roof system, in production since 2015, offers a proven 'room in the roof' warm roof solution.

Our dedicated NTSROOF team provide exceptional support throughout the design, fabrication and install process including site visits, detailed packs and technical advice.

The NTSROOF range has been developed for a variety of house types to help housebuilders build faster, safer and more sustainably.

All NTSROOF products have thermal values which help housebuilders to be 2021 Part L compliant and improve health and safety on site through reduced time working at height.

Once delivered to site the component panels can be craned into position straight away. This eliminates the handling and management of multiple products and trades on site, reducing labour costs.

NTSROOF is fully compliant with NHBC requirements when built in accordance with National Timber Systems' installation instructions and the housebuilder's specifications.

We have the capacity to design, fabricate and deliver thousands of roofs per year.



## DESIGNED >> FABRICATED >> DELIVERED



# EXPERT DESIGN SERVICE FROM PLAN

## Benefits of the NYTROOF® Panelised Roof System

- On-site construction time and labour costs are reduced
- 4 roofs can be installed in 1 day due to its simple but innovative design
- Factory fabrication improves dimensional accuracy
- High panel insulation values
- Industry leading Psi values
- Robust Details approved
- We have the capacity to design, fabricate & deliver thousands of roofs per year.
- NTSROOF the Simple Safe Secure Solution
- NTSROOF system = less on site

**SUPPLY  
AND FIT**



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# TRUSSED RAFTERS



Our impressive roofing solutions division offers all types of roof trusses from finks and attic trusses to complex roof trusses and spandrel panels. We supply whole housing schemes, individual homes and commercial buildings such as care homes and utility buildings.

Using the very latest MiTek© software, which incorporates the new and innovative Pamir design package, our expert designers can design roof trusses to meet your exact requirements.

Our dedicated fleet can deliver to all areas of the UK.

## Benefits of our trussed rafters:

- CE Marking accredited.
- MiTek© software incorporating Pamir.
- Large team of experienced truss and press fabricators.
- State of the art cutting and pressing machinery.
- Full technical & engineering support.
- Complete design, fabrication & delivery service.
- Quick turnaround from design to delivery.
- Manufactured from PEFC or FSC® certified timber



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# ENGINEERED JOISTS



Using the latest software, we provide full technical support and exceptional customer service for all sizes of project.

Engineered Joists span farther and are lighter than traditional timber joists. They also reduce movement and shrinkage in new housing due to their drier, engineered properties.

We have a long history of supplying flooring solutions to housing schemes, individual houses and commercial buildings such as care homes and utility buildings.

Our national distribution framework, which includes sites in Newcastle, Catterick, Sheffield, Bristol and our newest addition, Wolverhampton opening early 2024, represent a significant increase in capacity.

## Benefits include:

- Lighter weight & longer spans.
- Significant regional capacity for sites and individual projects.
- Full technical support.
- Complete design & fabrication.
- Chipboard flooring can be supplied with 'peel clean' covering if required.
- Sacrificial stairwell kits available.
- Quick turnaround from design to delivery.



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# GABLE AND PARTY PANELS



Our expert team design and manufacture panels for both gable and party walls. Our panels can be used for timber frame and masonry construction and are simple to install with no complex anchorage needed. They can be supplied for most roof sizes, layouts and levels of complexity.

Panels offer a significant increase to the speed of build on site and they significantly reduce the length of time at which multiple tradesmen are working at height.

Our party wall panels are clad with a layer of 15mm Femacell, which negates the need for factory wrapping, as well as the need to remove and dispose of Polythene packaging.

Our dedicated team design each project to comply with your fire, sound and structural requirements to meet approved regulations.



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# EXPERT DESIGN SERVICE FROM PLAN

## Benefits of our Spandrel Panels:

- Cost effective solution which dramatically increases speed of build.
- Reduces amount of time working at height.
- Just one trade required during roof construction.
- No interruption to work for gable wall and roof construction.
- Experience & expertise.
- Complete design, fabrication & delivery service.
- Quick turnaround from design to delivery.
- Party Spandrels can provide 60 min Fire Protection.

**EXPERT**  
DESIGN SERVICE  
FROM PLAN



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# ROOF & FLOOR CASSETTES



**National Timber Systems manufacture both roof and floor cassettes which are ideal for faster build timber frame.**

Roof cassettes are pre-insulated to achieve impressive thermal values as low as 0.09w/m<sup>2</sup>k. They are fitted with a peel away cover for transportation and protection on site and are supplied up to 13 metres long in a range of depths from 200mm to 400mm.

We have manufactured and supplied over 50,000 sqm of roof cassettes and 20,000 sqm of floor cassettes for projects across the UK since 2008 including housing, schools and hospitals.

Roof and floor cassettes not only offer significant increases to the speed of build on site, they also significantly reduce time spent working at height.

Our roof and floor cassettes are constructed using STEICO joists with in-built lifting straps for easy transportation, offload and installation.

## **Benefits of our Roof and Floor Cassettes:**

- Large spans due to engineered joist construction.
- Impressive dimensional accuracy & reliable build quality.
- Improved on site safety & reduced working at height.
- Complete design, fabrication & delivery service.
- Dramatically reduces the build programme when compared to traditional build methods.



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# PRE-INSULATED WALL PANELS

Our pre-insulated wall panels offer significant benefits for timber frame construction and they are an effective alternative to steel and masonry wall structures.

They have high thermal qualities compared to masonry infill walls and can be engineered to provide additional structural capability.

Factory manufacture ensures a higher level of dimensional accuracy than work on site, whilst increasing the speed of build and reducing on site labour costs and activity.

Panels can be up to 2.4 metres high and 6 metres long. Lifting straps to aid off-loading and rapid installation can be fitted if required and panels can be wrapped for protection during transportation and whilst being handled on site. Once craned into position they can be clad with brick or timber cladding as part of the building process.

## Benefits of our Pre-insulated Wall Panels:

- Off site fabrication reduces construction time.
- Cost effective solution which dramatically increases speed of build.
- Can replace blockwork infills and long drying times.
- Higher thermal performance than masonry.
- High quality and increased dimensional accuracy.
- Designed & engineered for structural capability if required.
- Complete fabrication & delivery service available.



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# CERTIFICATION

National Timber Systems - part of National Timber Group England, take sustainability very seriously and we understand our duty of care to the environment. We do this by ensuring our products are sourced from legal, sustainable and well managed forests and mills.



## **FSC® & PEFC:**

Our products carry Forest Stewardship Council® (FSC®) or Programme for the Endorsement of Forest Certification (PEFC) chain of custody certification that is independently evaluated, certified and available upon request.

The Forest Stewardship Council® (FSC®) is an international, non-governmental organisation dedicated to promoting responsible management of the world's forests.

PEFC is an international non-profit, non-governmental organisation dedicated to promoting Sustainable Forest Management (SFM) through independent third party certification.



## **CE Marking:**

We are CE marking certified. To gain CE we must demonstrate we have factory production controls and systems in place to issue a declaration of performance on the product. We have audits from external certification bodies annually to ensure standards are met.

CE marking is mandatory across the EU for products defined by the harmonised Standards from 1st July 2013.



## **Trussed Rafter Association (TRA):**

We are a member of the TRA. This association offers technical advice for all aspects of roof trusses and spandrel panels.



## **Robust Details**

Secured for the NYTROOF, robustdetails® scheme is the alternative to pre-completion sound testing for satisfying Part E of the Building Regulations. Using the scheme avoids the uncertainties of pre-completion sound testing.

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# KEY SUPPLIER

**E EGGER**

## EGGER Peel Clean Xtra

- P5 grade chipboard with an easy-to-peel, anti-slip woven surface film which helps prevent moisture ingress
- When trades have finished, remove the film for a clean, well-presented floor
- Polymer coating offers added moisture barrier upon completion
- Can be left exposed to the elements for up to 42 days

## EGGER Protect

- Durable, anti-slip weather resistant surface layer bonded to both sides of the board for protection against moisture ingress for the life of the floor
- Once fully fitted, can be exposed for up to 60 days
- Unique, anti-slip surface, even when wet contributing to site safety

## EGGER Joint & Joist Adhesive

- Five times stronger than mechanical fixings
- Unique foaming action, ideal for gap filling on uneven surfaces and joists
- Helps minimise squeaks associated with fully nailed floors
- No need for joint sealing tape to cover board joints

## EGGER Advanced Structural Flooring System

Our EGGER Advanced Lifetime Guarantee covers the structural performance of your finished floor. Simply follow the three steps of the EGGER Advanced Structural Flooring System to benefit.

1. Select a board from the EGGER Advanced range
2. Use EGGER Joint & Joist Adhesive
3. Fit to the EGGER Advanced Structural Flooring Fitting Guide



MORE FROM WOOD.

# GALLERY



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# DELIVERING OUTSTANDING VALUE FOR **OVER 40 YEARS**

DESIGN &  
MANUFACTURING  
SITES  
NATIONWIDE

» DESIGNED  
» FABRICATED  
» DELIVERED

Bristol

Hebburn

Brompton

Sheffield



**NYTimber**



[www.nytimber.co.uk](http://www.nytimber.co.uk)

*Arnold Laver*

## **Specialists in off-site fabrication since 1979**

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# PROJECTS



## **£1,000,000 Middlesbrough Hospital Project**

We celebrated our 30th anniversary by securing a £1,000,000 contract for our off site Engineered Timber Systems. The contract was to fabricate over 700 floor and pre-insulated roof cassettes for a leading Scottish timber frame company, supplying Laing O'Rourke's flagship single storey timber frame project, St Luke's Hospital in Middlesbrough.

The cassettes, up to 11 metres long and 483mm deep, were constructed off site saving on site labour costs and vastly reducing build times.

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