

## Important Notes

### Copyright

Copyright is claimed in respect of this design and it must not be passed to any person or company without the written consent of Crendon Timber Engineering Ltd.

### General Notes

- Crendon Timber Engineering Ltd. will assume the role of 'Trussed Rafter(s) designer' as described in the TRA technical handbook and are responsible for design of trussed rafters as component times of a roof structure. Responsibility for design of the overall iroof structure remains

with the building designer. - This drawing should be read in conjunction with all relevant architectural and engineering

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   Roof pitches are as noted on this design or truss profiles.
   Trusses tesigned according to Euro Code ECS and all relevant country National Annexes.
   Trusses to be spaced at maximum 600 mm centres unless specifically noted otherwise.
   No trusses to be supported other than where indicated.
   All imbers to be TR26 grade unless otherwise noted.
   All metalwork required by this design should be fully nalled unless otherwise noted.
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- Stability Pracing
   Where stability bracing is shown on this design it is done so for indication only, to help quantify
  the linear metre length required and represents our best possible interpretation of the
  requirements for roof bracing in TRA guidance. Responsibility remains with Building Designer.
   Temporary erection bracing is not shown, and is not included.
   Where required bracing should be lapped over a minimum of two trusses.
   All bracing to be a minimum of 22x100mm sawn timber, double nailed to each truss using
   3.35mm dia. galvanised wire nails.
   Pracing Legend:
   DR = refer diagonal bracing

- RD = rafter diagonal bracing RL = rafter longitudinal bracing
- CD = ceiling diagonal bracing
- CL = ceiling longitudinal bracing WD = web diagonal (raking) bracing WL = web longitudinal bracing

- TB = tee brace T/B = diagonal bracing to horizontal top chord CB = chevron bracing

### Lifting Points

Lifting points locations indicated on this design are shown for lifting trusses as individual frames or in pre-banded packs as delivered. The lifting points are not intended to show how to lift the trusses

as a whole roof. If a system of lifting a whole roof is required, please contact our design department for assistance

Water Tanks Where applicable we have allowed 900 N in our design for installation of a water tank within the roof trusses. Water tanks should be installed following relevant NHBC / TRA guidance.

### Considered Loads

- Considered Loads Dead load roof: 685 N/m<sup>2</sup> Dead load ceiling: 250 N/m<sup>2</sup> Live load ceiling: 250 N/m<sup>2</sup> Snow load: 524 N/m<sup>2</sup> Wind load (velocity pressure)

- Wind load (velocity pressure): 760 N/m<sup>2</sup>
   Live load attic: 1500 N/m<sup>2</sup>

Cutting, Drilling & Notching No trusses should be cut, notched or drilled in any position unless there is a specific note on this design or without prior approval from Crendon Timber Engineering Ltd.

Raised Tie Trusses & Loose Overhangs - Where trusses are supplied as raised-tie trusses a birdsmouth may be required to seat the Trusses may in some situations need to have the overhangs trimmed or removed on site.

### Party Wall & Gable Spandrel Panels

Party wail and gable wail spandrel panels supplied by CTE are fabricated using guidance from NHBC and TRA. The overall responsibility for the design remains with the Building Designer. Under no circumstances should any spandrel panels be litted / craned on site in conditions where wind speed exceeds 22mph

## 10. Gable Panel Wind Loading

Any gable panels designed for this project are based on a Domestic site located at or near Norwich at 60 m above sea level with Countryside terrain, a basic wind speed of 22.5 m/s and a resulting wind load (peak velocity pressure) (qp(z)) of 760 N/m<sup>2</sup>. If the actual conditions of the site differ from these mentioned it is your responsibility to advise CTE asap.

## In in doubt - please ask!

If you are unsure of any element of this design or need installation advice, please contact Crendon Timber Engineering Ltd.

### 12. Design Prepared By

Design Propared by This design was prepared by Laura Goldsmith at Crendon Timber Engineering East Harling branch. If you wish to discuss the design please call 01953 666823 or email laura, goldsmith@crendon.ou.k.

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HT01-1 no.2-ply115 kg



# M01-3 no.1-ply27 kg



Scan the QR code to access this design in 3D. Or from a PC click below. https://www.mitek.co.uk/mitek3d/?3d\_id=1154de1d-3d4f-4361-9364-7a784248a404



T02-22 no.1-ply139 kg T02- 2 no.2-ply 246 kg

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Party Wall & Gable Spandrel Panels Party wall and gable wall spandrel panels supplied by CTE are fabricated using guidance from NHBC and TRA. The overall responsibility for the design remains with the Building Designer. Under no circumstances should any spandrel panels be lifted / craned on site in conditions where wind speed exceeds 22mph.

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