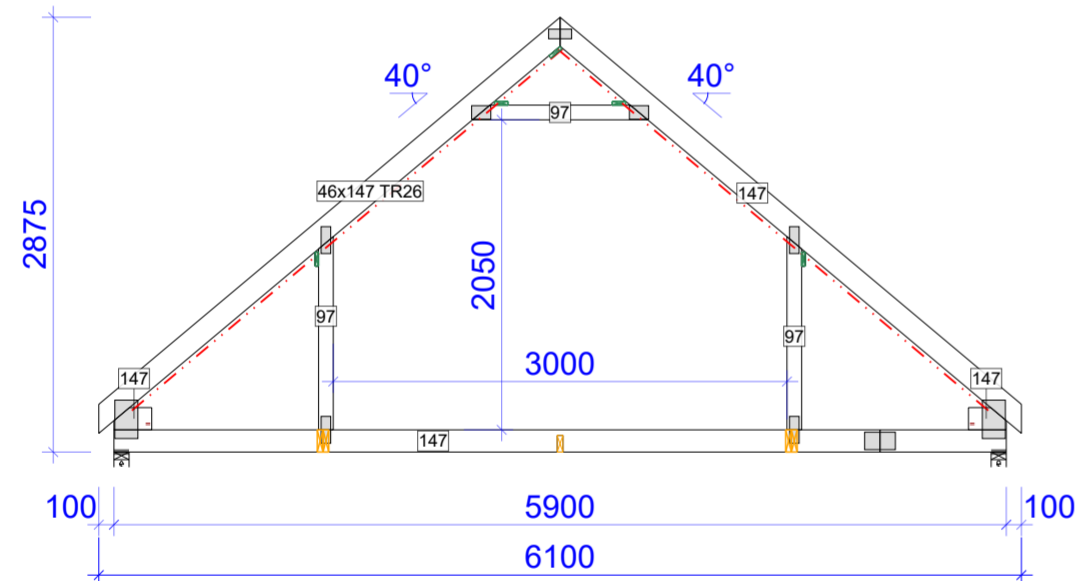
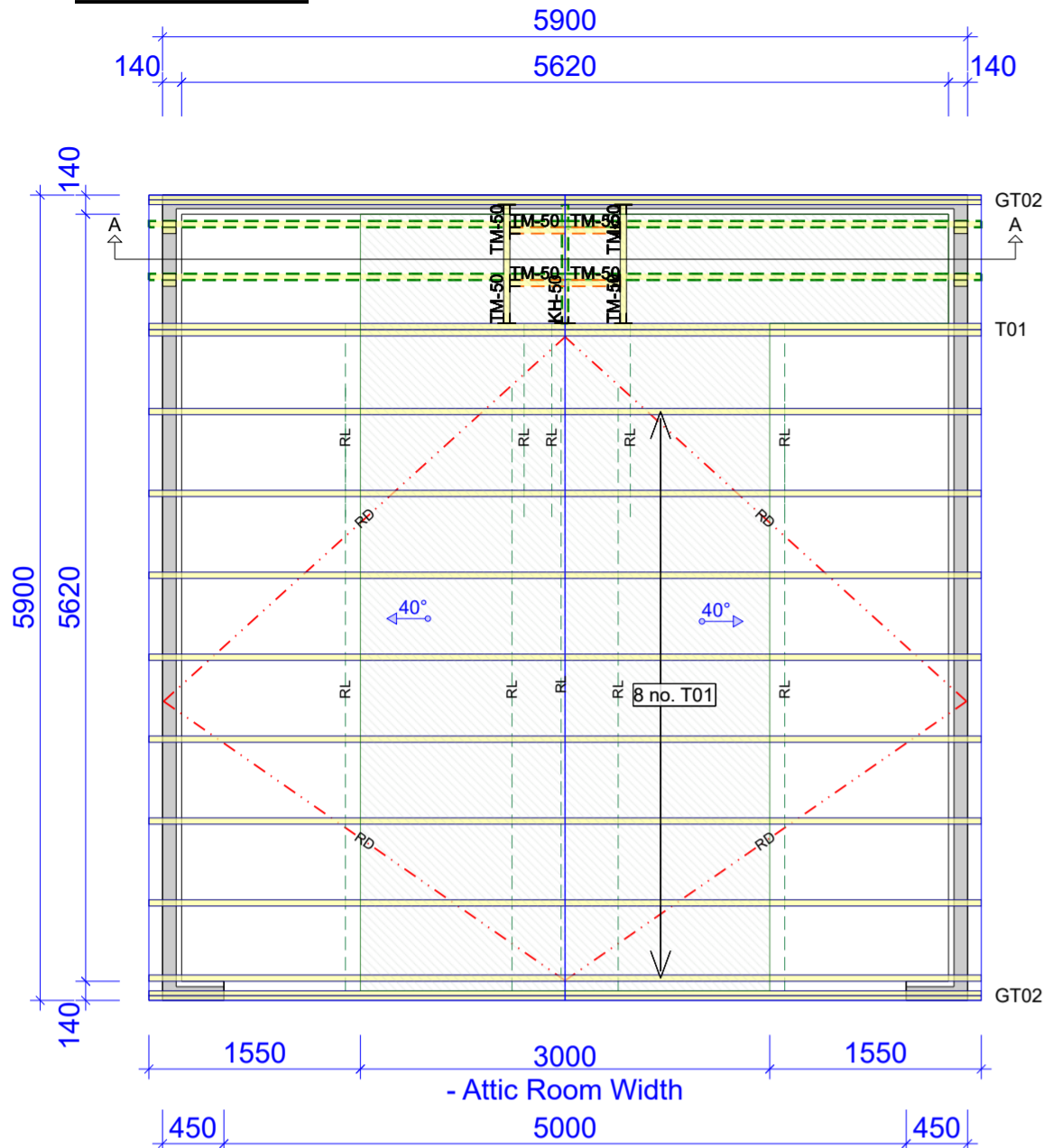
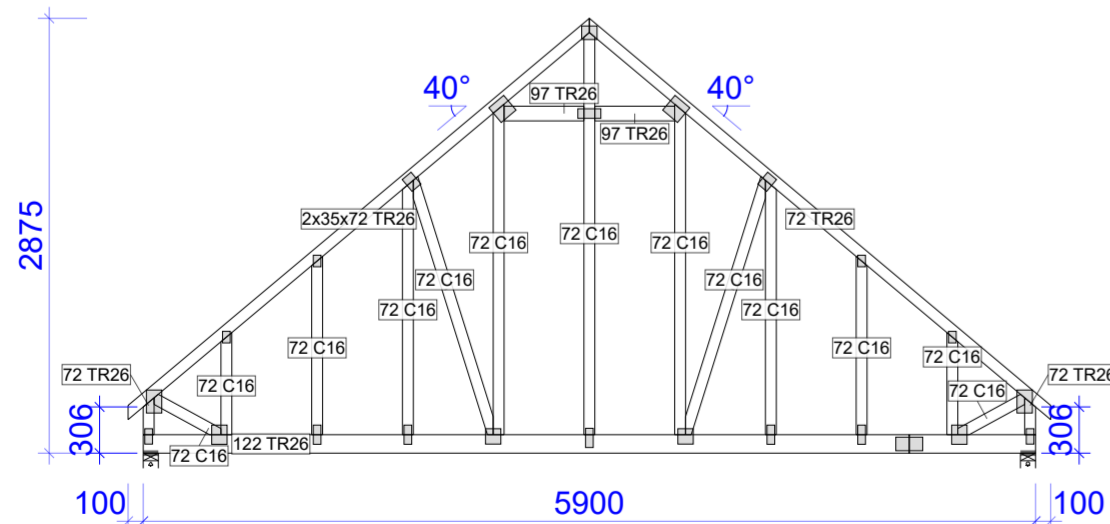


Rafter Level

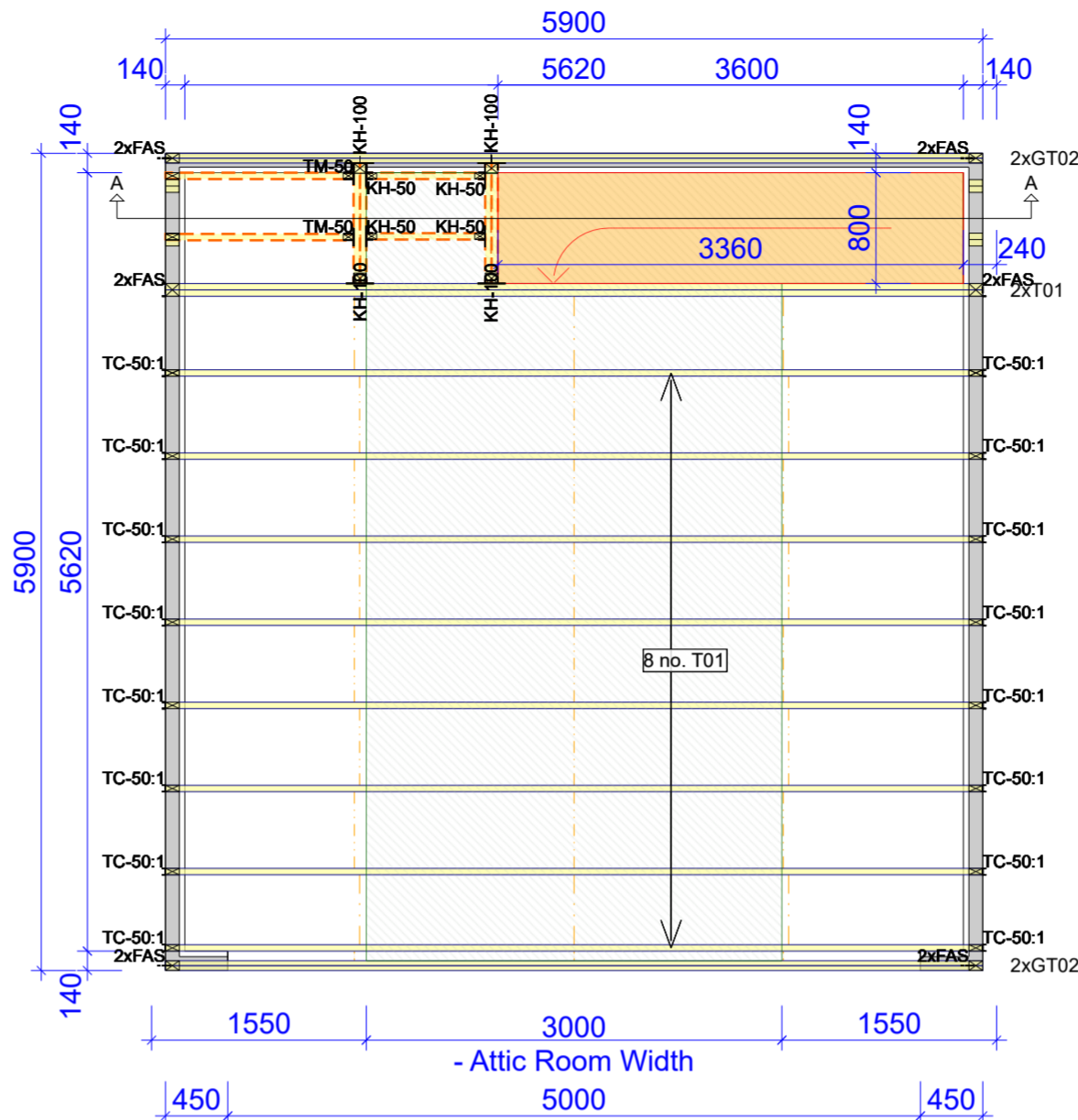


T01 - 8 no.1-ply 69 kg
T01 - 1 no.2-ply 138 kg

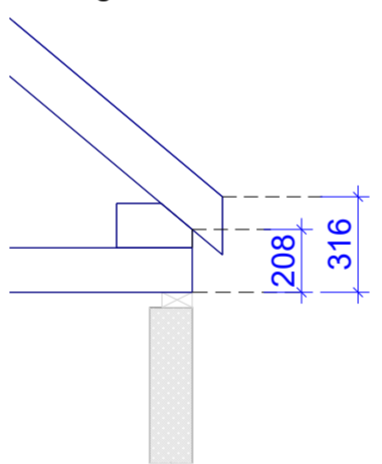


GT02- 2 no.2-ply 110 kg

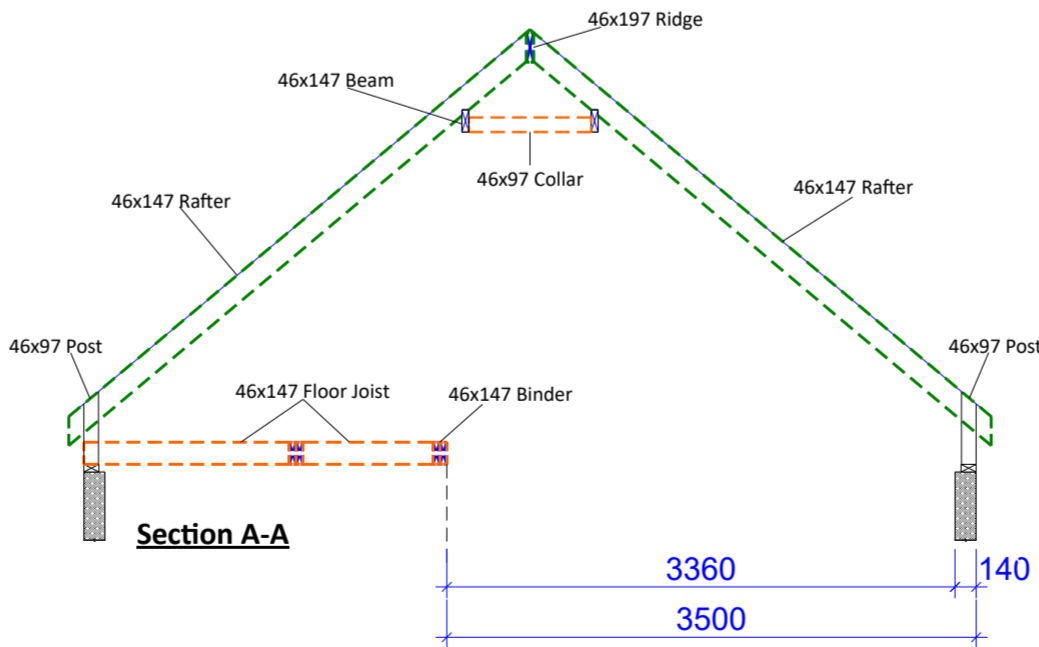
Joist Level



40 Degree Eaves Detail



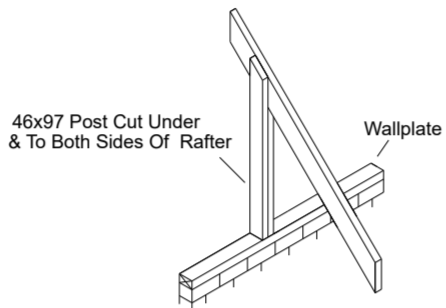
140 100
Overhang To Be Trimmed On Site To Suit



Section A-A

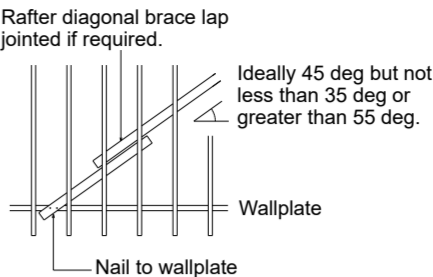
Attic Infill Timbers

Binder	46x147	TR26	1x3600	mm
Beam	46x147	TR26	1x3000	mm
Ceiling	46x147	TR26	1x3000	mm
Collar	46x97	TR26	1x3000	mm
Floor joist	46x147	TR26	1x3000	mm
Rafter	46x147	TR26	5x4200	mm
Ridge	46x197	TR26	1x3000	mm
Post	46x97	TR26	1x4200	mm

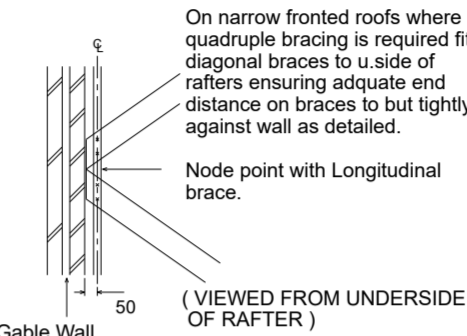


TYPICAL POSTED RAFTER DETAIL

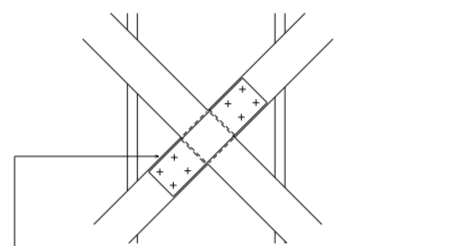
BRACING DETAILS



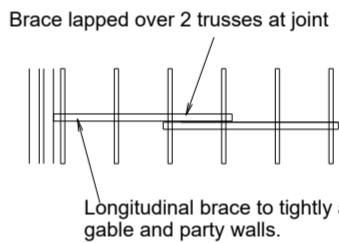
AFTER BRACE



RAFTER BRACE (ABUTTING WALL)

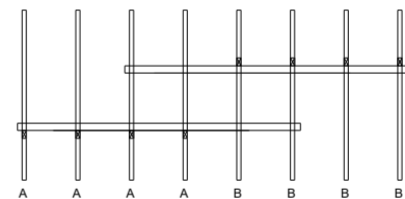


RAFTER BRACE (CROSSING)

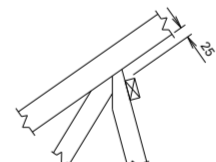


LONGITUDINAL BRACE

Locate braces to minimize distance between them
& continue over 2 trusses into adjacent section

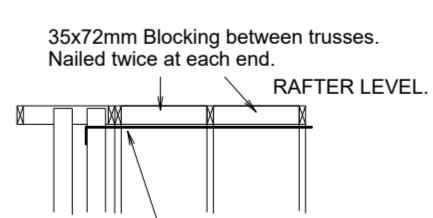


LONGITUDINAL BRACE (OFFSET NODE POINTS)

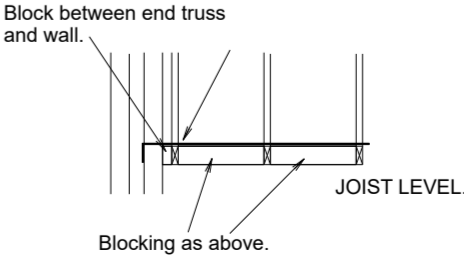


Longitudinal brace offset 25mm
from rafter to clear diagonal brace.

LONGITUDINAL BRACE (OFFSET)



CULLEN PFS Galv. Restraint Straps
at max.2.0m centres fixed to trusses
and to blocking with 8no 3.75 x 30mm
galv. wire nails.



GABLE RESTRAINT DETAIL.

GENERAL NOTES

1. Roof Trusses Designed in accordance with EC5 to EN1990:2002 + EN1995-1-1:2004 + A1:2008 + UK-NA PD6693-1:2012
2. This drawing to be read in conjunction with all relevant Architects and Engineer's drawings. It is to be read and fully understood before work commences. IF IN DOUBT - ASK
3. Trusses and loose timbers to be 600mm centres maximum unless otherwise stated.
4. Provide truss clips to trusses at wallplate bearings.
5. Secure girder trusses to wallplate using 2no. Framing Anchors.
6. The Building Designer is responsible for the design and detailing of anchorages to secure wallplates to the building structure.
7. Internal walls to be stopped below underside of truss bottom chords to allow adequate gap for truss deflection, except where shown otherwise.
8. Water tanks are to be supported on the trusses in accordance with fig 7 of BS5268 part 3 but using bearer sizes as stated.
9. Multiple Girders bolted together in accordance with David Smith St. Ives specification.
10. The bracing shown is indicative only. It remains the responsibility of the Building Designer to ensure all bracing is sufficient
11. All bracing to be minimum 22mm x 97mm
12. Bracing Legend :-
 - RD Denotes diagonal rafter bracing
 - WL Denotes Design Bracing. Fixed at right angle to trusses, positioned at centre of each web spanning truss type.
 - RL Denotes Rafter Longitudinal Bracing.
 - CB Denotes Web Chevron Bracing.
 - WD Denotes diagonal raking Bracing. Fixed at ends of longitudinal web bracing runs and at 6m intervals.
 - CL Denotes Ceiling Longitudinal Bracing
13. All bracing to be fixed to each truss using 2-no 3.35mm x 65 long galvanised wire nails. Bracing to be lapped as required over a minimum two trusses.
14. Longitudinal braces to be fixed to all trusses of the same type and be fixed to at least two adjacent trusses of the next type where possible.
15. longitudinal bracing is to be provided at all node points: as shown on truss profiles.
16. Longitudinal braces are to butt tightly against gable and party walls.
17. Stability bracing for this roof assumes that there will be a rigid plasterboard ceiling fixed to the underside of the trusses unless noted otherwise.
18. Proprietary hangers, anchors and fixings to be used in accordance with manufacturers instructions.
19. All loose timber to be TR26 grade.
20. All dimensions to be verified prior to manufacture.
21. Refer to individual truss calculations for Tank Load details.

SITE SAFETY - CDM REGULATIONS

With regard the safety of site operatives during the construction of this roof structure we would recommend the following :-

Erection procedures should follow the guidance set out in BS5268; part 3 2006, including the provision of temporary bracing as appropriate.

Site storage / handling should follow the guidance set out in the TRA technical handbook, and accord with all manual handling directives.

Truss weights, sizes and centre of gravity detailed on drawing. (weights are per ply unless otherwise noted)

Where treated timber is specified operatives should wear gloves at all times.

Trusses are manufactured with connector plates that may project past the timber. The edges of the connector plates are sharp - DSSI advise gloves are worn when handling trusses.

Suitable staging / working platforms should be constructed with adequate guarding / handrailing to facilitate accurate and safe placement and erection of trusses.

Hard hats and correct PPE should be worn at all times.

A		Amended T02 Profile & Bracing		10/05/18
Rev.	Reason for revision			Date
<div><div><p>David Smiths St Ives Limited Marley Road, St Ives Huntingdon, Cambs PE27 3EX Tel: 01480 309900 Fax: 01480 309941</p></div><div><p>MiTek</p></div><div>David Smith St Ives Limited</div></div>				
Client: MAE Construction				
Project: R/O 65 High Street Upwood, Cambridgeshire				
Drawing Garage				
Title: Roof Layout				
Scale	Drawn	Date	Drawing No.	Rev.
A2@1:50	AB1	11/05/2018	52329-N-01	A