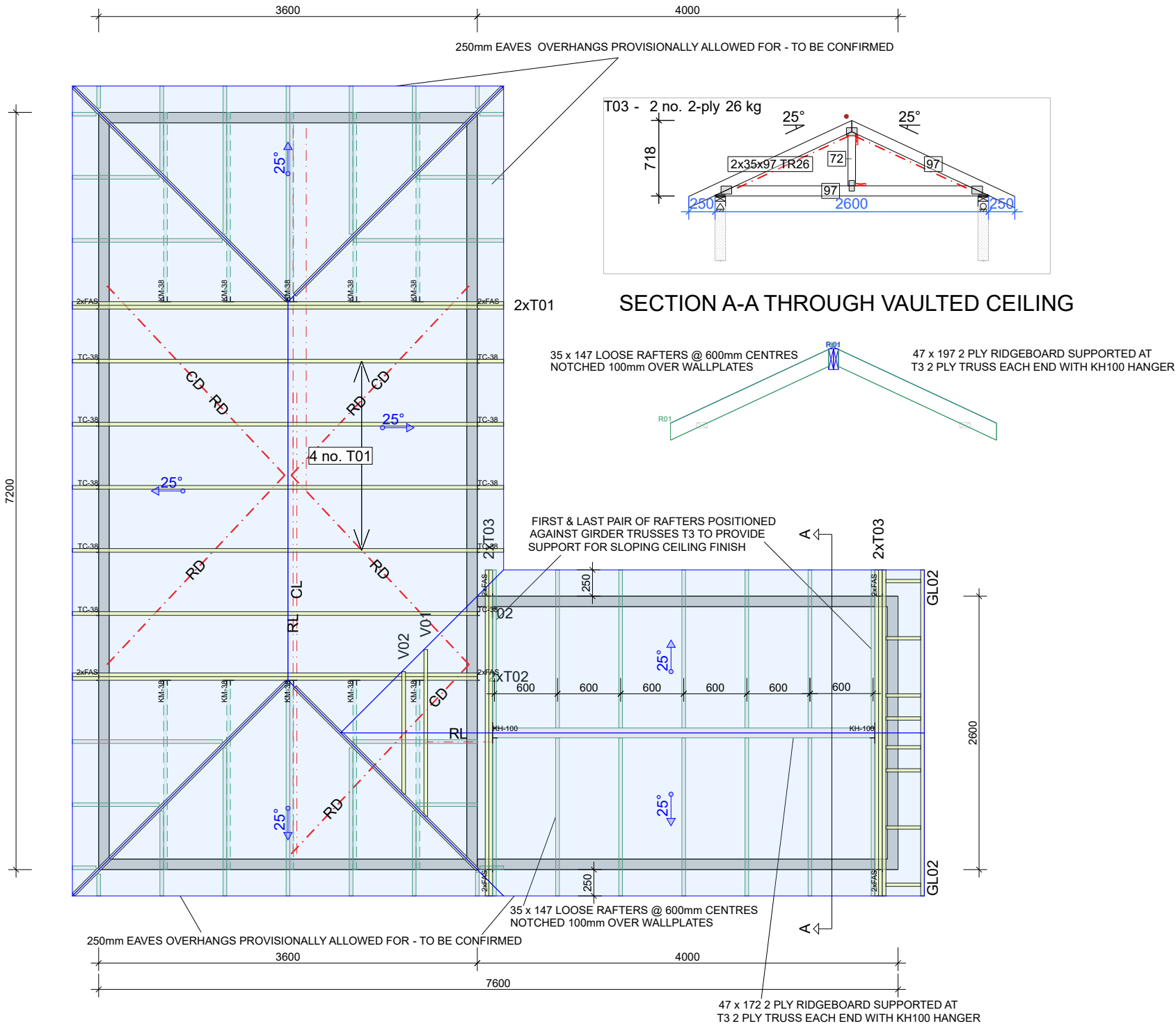
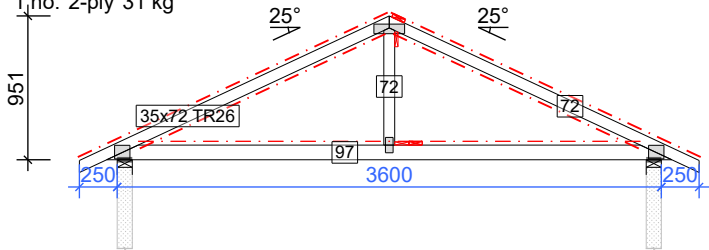


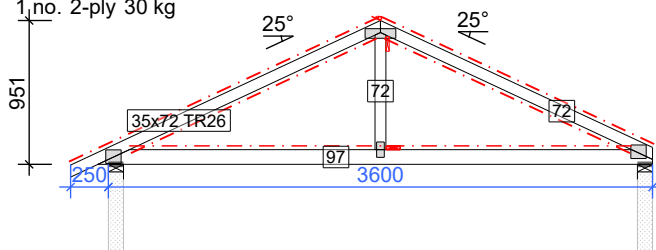
LOOSE INFILL TO HIP ENDS
35 x 147 HIPBOARDS
35 x 97 RAFTERS & CEILING TIES
47 x 97 SECONDARY PLATES
PLEASE NOTE HIP INFILL TO BE FULLY ERECTED PRIOR TO VALLEY FRAMES



T01 - 4 no. 1-ply 16 kg
T01 - 1 no. 2-ply 31 kg



T02 - 1 no. 1-ply 15 kg
T02 - 1 no. 2-ply 30 kg



- 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 items of a roof structure. Responsibility for design of the overall roof structure remains with the building designer.
 - This drawing should be read in conjunction with all relevant architectural and engineering drawings.
 - Roof pitches are as noted on this design or truss profiles.
 - Trusses designed according to Euro Code EC5 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 timbers to be TR26 grade unless otherwise noted.
 - All metalwork required by this design should be fully nailed unless otherwise noted.
 - All multiple trusses to be nailed / bolted together in accordance with girder truss nailing/ fixing patterns supplied.
 - Stability Bracing**
 - 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.
 - Bracing Legend:**
 - 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 point 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**
 - Dead load roof: 685 N/m²
 - Dead load ceiling: 250 N/m²
 - Live load ceiling: 250 N/m²
 - Snow load: 552 N/m²
 - Wind load (velocity pressure): 950 N/m²
 - Live load attic: 1500 N/m²
 - 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 onto the wallplate. This is to be cut on site.
 - Trusses may in some situations need to have the overhangs trimmed or removed on site.
 - 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.
 - Gable Panel Wind Loading**
Any gable panels designed for this project are based on a Domestic site located at or near Neath at 180 m above sea level with Countryside terrain, a basic wind speed of 23.1 m/s and a resulting wind load (peak velocity pressure) (qp(z)) of 950 N/m². 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.
 - Design Prepared By**
This design was prepared by Mike Jones at Crendon Timber Engineering branch. If you wish to discuss the design please call or email.

Client

Ben Thomas

Project

Ben Thomas - T
172 Main Road, Bryncoch, Neath & Port Talbot, SA10 7TT.

Drawing title

Garage
Roof Layout



Designer Initials	Scale	Drawing no	Rev
MJ	1:50 at A3	133968AD - 01	
Date	Drawing Issued For	Approval	Construction
23/04/2021		☒	☐