

GENERAL NOTES

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- 1 STRUCTURAL TIMBER DESIGN AND FABRICATION DETAILS SHOWN ON THE ATTACHED DRAWINGS ARE IN ACCORDANCE WITH EITHER BOSS PART 2 AND 3 IN THE UK AND HAS STANDARD 1510 IN EURO AND THE LATEST RECOMMENDATIONS OF THE TRTA.
- 2 STORAGE, HANDLING, ERECTION AND BRACING SHALL BE IN ACCORDANCE WITH THE TRTA OR WITH DETAILS SHOWN ON THE ATTACHED DRAWINGS. BRACING IS TO BE INSTALLED IN THE POSITION SHOWN ON THE ATTACHED DRAWINGS. TRIMS OF THE BRACING TO THE ROOF TRUSSES MUST BE CARRIED OUT IN ACCORDANCE WITH THE TRTA STANDARD DETAILS OR AS SPECIFIED BY THE DESIGNER.
- 3 THE DRAWINGS PROVIDED ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND/OR CONSULTING ENGINEERS DETAILS. ROOF TRUSSES MUST BE ERECTED IN POSITIONS SHOWN ON THE ROOF LAYOUT SUPPLIED.

MATERIALS

- 4 THE SPECIFIED GRADES OF TIMBER SHALL BE STRICTLY ADHERED TO, AND ALL TIMBER SHALL HAVE BEEN GRADED IN ACCORDANCE WITH THE RELEVANT BEEN SPECIFICATION. THE TIMBER MAY ONLY BE SIZED WITHIN THE BESSON TOLERANCES. THE TRUSS CROSS SECTION SIZES SHOWN ARE THE MINIMUM ACCEPTABLE DIMENSIONS AS USED IN THE DESIGN. THE MOISTURE CONTENT OF TIMBER AT THE TIME OF INSTALLATION IN THE STRUCTURE SHALL NOT EXCEED 22.5%.
- 5 NAILS SHALL BE IN ACCORDANCE WITH BOSS PART 2.

LOADING

- 6 ANY DEVIATION FROM THE LOADS SPECIFIED BELOW MUST BE APPROVED BY THE DESIGNER.

	DESCRIPTION	KN/100
TOP CHORD	SL	
	DL	
BOTTOM CHORD	SL	
	DL	
OTHER		

BRACING

- 7 BATTENS BRACED TO BE IN ACCORDANCE WITH THE TILE MANUFACTURERS SPECIFICATION MAX. 50mm (C/C).
- 8 VERTICAL STORAGE (PERFORMANCE): WHERE TRUSSES ARE STORED IN THE UPRIGHT POSITION, STAKING SHOULD BE CARRIED OUT AGAINST A FIRM AND SAFE SUPPORT. THEY SHOULD BE SUPPORTED AT THE POSITIONS WHERE THE WALL PLATE WOULD NORMALLY OCCUR AND AT SUCH A HEIGHT AS TO ENSURE THAT ANY RAFTER OVERHANG CLEARS THE GROUND.

STORAGE

- 9 HORIZONTAL STORAGE (ALTERNATIVE METHOD): WHERE TRUSSES ARE LAD FLAT, BEARERS SHOULD BE PLACED TO GIVE LEVEL SUPPORT AT CLOSE CENTRES, SUFFICIENT TO PREVENT LONG TERM DEFORMATION OF ANY TRUSS MEMBERS. IF SUBSEQUENT BEARERS ARE PLACED AT DIFFERENT HEIGHTS THEY SHOULD BE VERTICALLY IN LINE WITH THOSE UNDERNEATH.
- 10 ADEQUATE STORAGE AND PROTECTION FACILITIES SHALL BE PROVIDED SO THAT ANY FORM OF DAMAGE TO THE TRUSSES BEFORE ERECTION CAN BE PREVENTED. THIS SHOULD BE IN ACCORDANCE WITH THE LATEST RECOMMENDATIONS OF THE TRTA.

ERECTION AND BRACING

- 11 IT IS THE RESPONSIBILITY OF THE ERECTOR TO ENSURE THAT TEMPORARY ERECTION BRACING IS INSTALLED TO HOLD THE TRUSSES TRUE AND PLUMB AND IN SAFE CONDITION UNTIL PERMANENT TRUSS BRACING IS FIRMLY Nailed OR BOLTED IN PLACE. ALL PERMANENT BRACING SHALL BE IN ACCORDANCE WITH THE LATEST RECOMMENDATIONS OF THE TRTA AS SHOWN ON THESE DRAWINGS. ALL COMPONENTS MUST BE PERMANENTLY FASTENED BEFORE THE APPLICATION OF ANY LOADS. N.B. BRACING OF THE ROOF STRUCTURE IS INTEGRAL TO THE DESIGN OF THE TIMBER ROOF STRUCTURE.
- 12 ALL PERMANENT BRACING SHOULD BE A MINIMUM SIZE OF 25 x 97mm OR 28 x 89mm OR A PROPERLY BRACED STRIP SUCH AS TWISTED TIMBER. TRUSSES SHOULD BE FREE OF MAJOR STRENGTH REDUCING DEFECTS. TIMBER SHOULD BE 20mm FOR 225mm BRACING & 25mm FOR 300mm. TWISTED ROUND WIRE NAILS AT EACH CROSS OVER POINT. THE LENGTH OF THE NAILS SHOULD BE 20mm FOR 225mm BRACING & 25mm FOR 300mm. TWISTED ROUND WIRE NAILS SHOULD BE PROPERLY TENSIONED AND FIXED ACROSS BOTH ENDS OF THE STRIP WITH TWO'S 2.7 x 25mm SQUARE TWISTED SHEARWAZED NAILS AT EACH CROSSOVER POINT.
- 13 RAFTER DIAGONAL BRACING (R): THIS IS BRACING FIXED TO THE UNDERSIDE OF THE RAFTER. IT PROVIDES LATERAL STABILITY TO THE ROOF STRUCTURE AND IN CONNECTION WITH TOTAL ROOF SAPPHRA, TRANSFERS WIND LOADS TO SHEAR RESISTING WALLS.
- 14 LONGITUDINAL BRACING (L/C): THIS IS BRACING FIXED AT EACH JOINT EXCLUDING THOSE UPON WHICH THE TRUSS IS SUPPORTED. THIS PROVIDES ESSENTIAL STABILITY TO THE TRUSS NODES USED IN THE STRUCTURAL ANALYSIS.
- 15 CHAIN BRACING (C/B): THIS IS A DIAGONAL BRACING FIXED TO INTERNAL MEMBERS. IT PROVIDES ADDITIONAL STABILITY TO THE COMPLETE ROOF SYSTEM WHEN APPLIED.
- 16 TRUSSES ARE TO BE SUPPORTED ONLY AT BEARING POINTS INDICATED ON THE DRAWINGS. THE TRUSS DESIGNER IS ONLY RESPONSIBLE FOR THE DESIGN OF THE SUPPORTING SUPERSTRUCTURE.
- 17 NO TRUSSES ARE TO BE CUT OR MODIFIED WITHOUT THE PRIOR CONSENT OF THE TRUSS DESIGNER.

SCALE

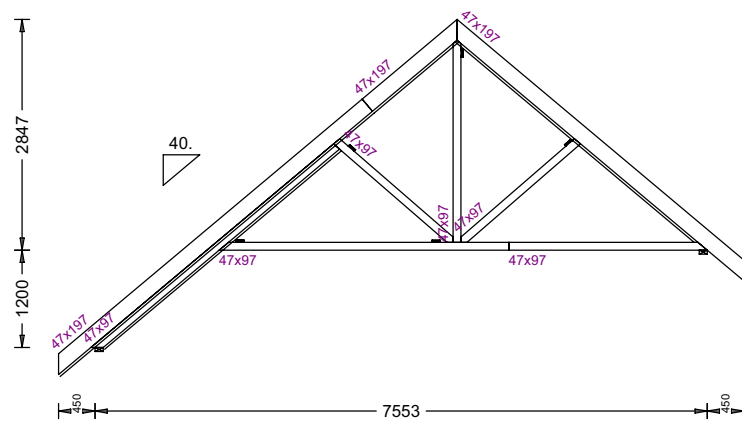
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DATE	DATE No.
	Rev.

ROOF LAYOUT PREPARED BY:

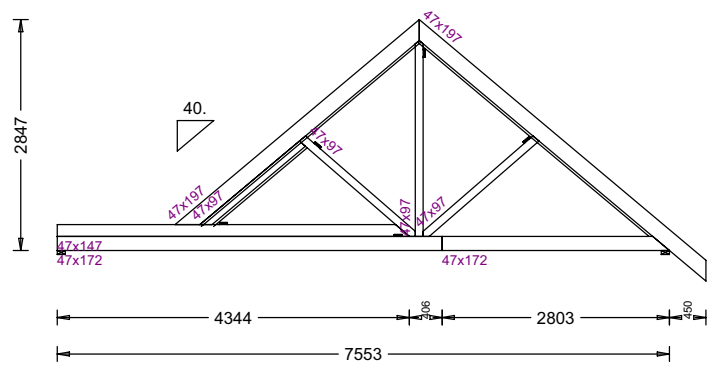


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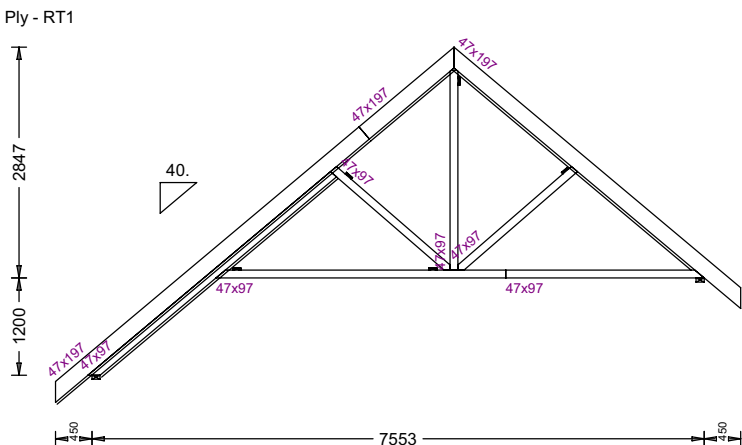
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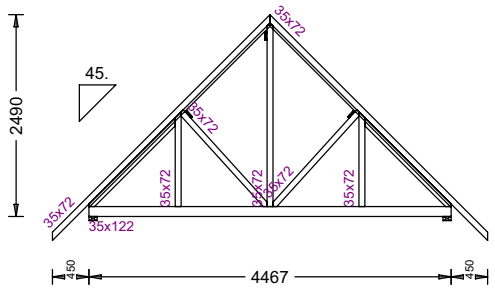
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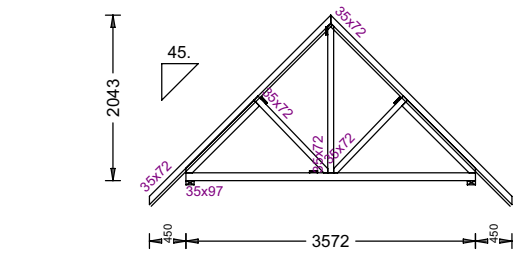
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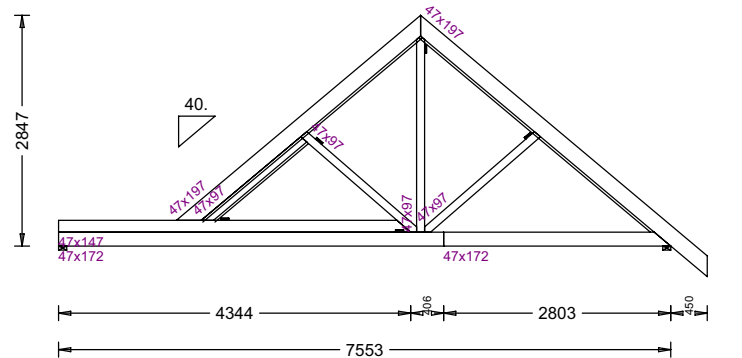
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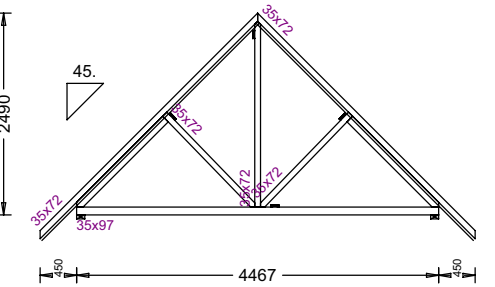
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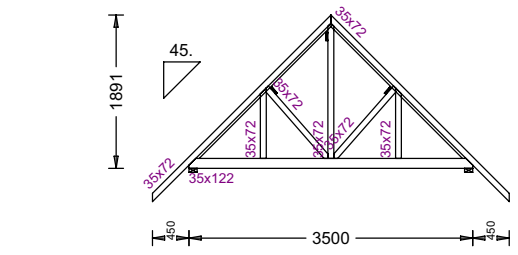
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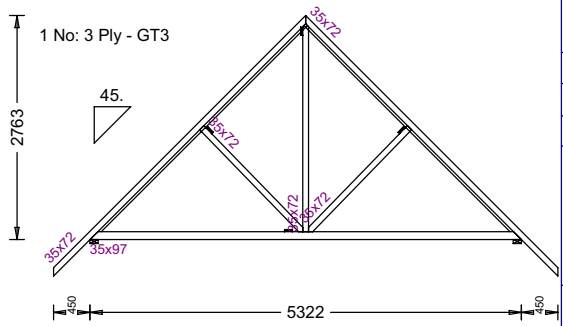
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1 No: 2 Ply - GT2



1 No: 3 Ply - GT3



12 No: 1 Ply - T3