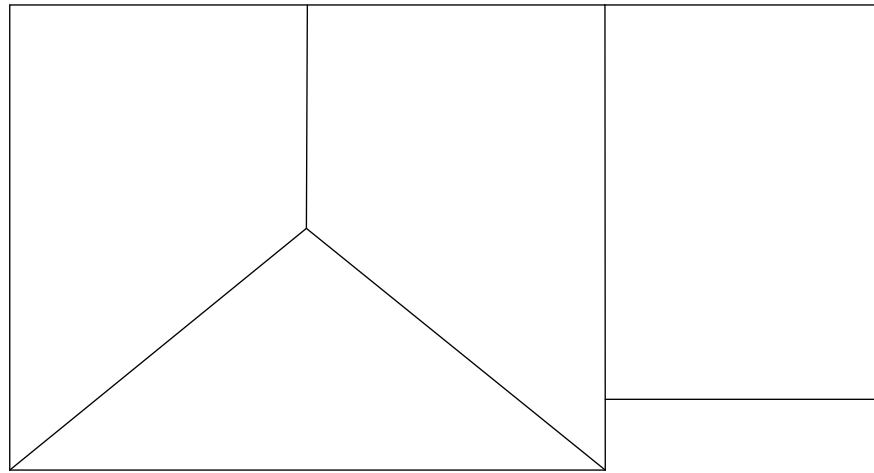
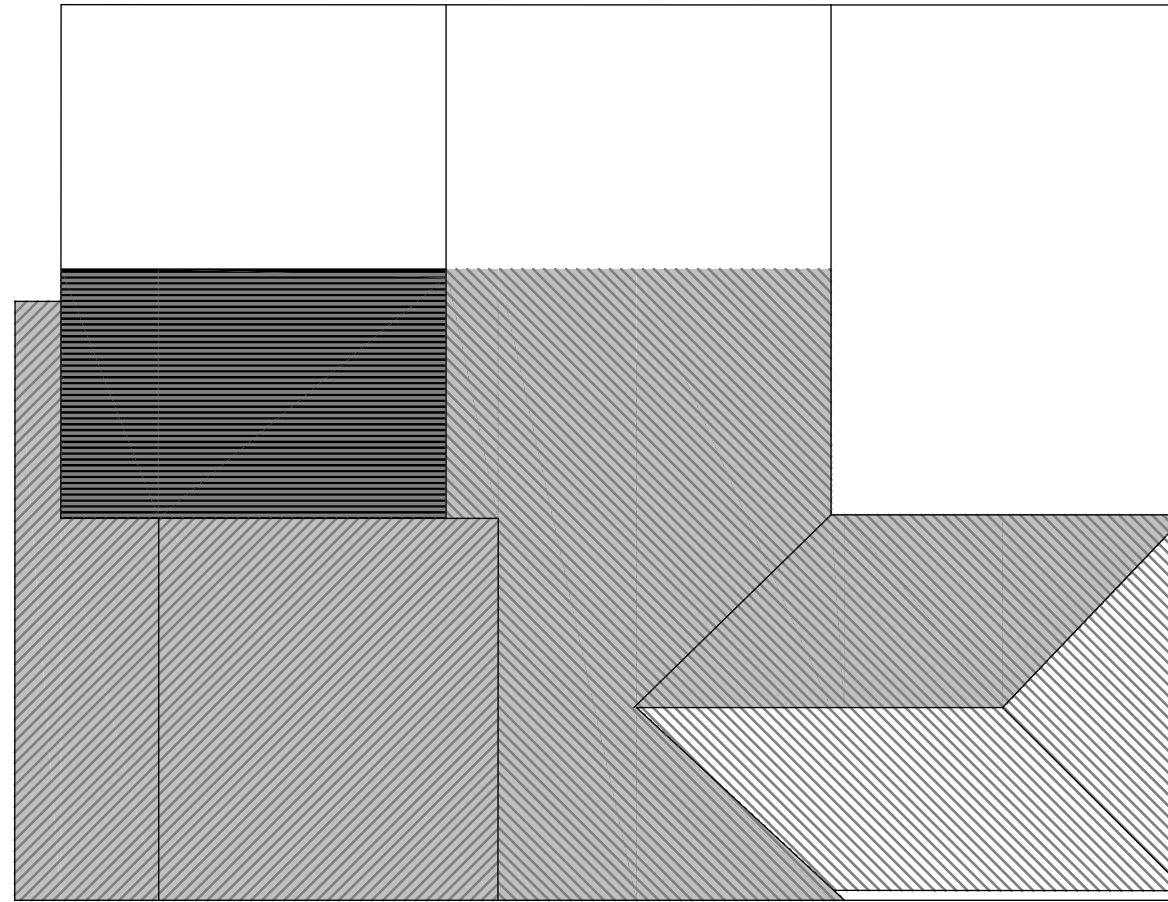


EXISTING ROOF PLAN



PROPOSED ROOF PLAN

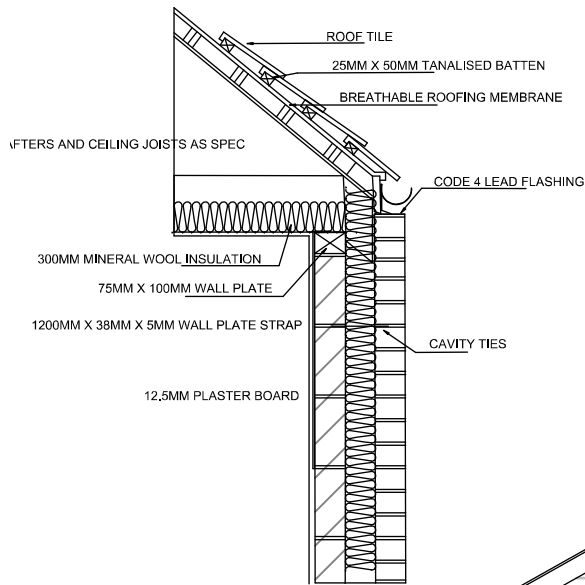


**Roof**  
Roof tiles to match existing and mortared in place with a secondary fixing complying with BS5433.

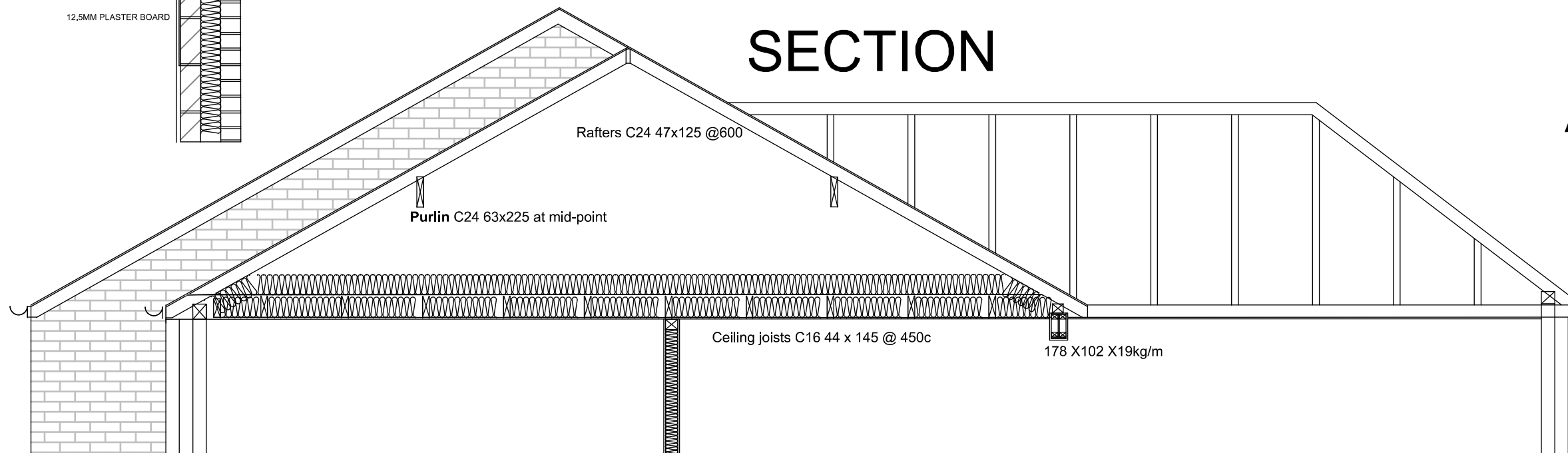
**Side Extension Roof**  
Ceiling Joist C16 44 x 145 @ 450c Span 3.13M  
**Main roof rafters** C24 47 x 195 @ 450c Span 4.95M or  
C24 47x125 @600 span 2.9M with purlin  
Purlin C24 63x225 at mid-point

**Roof**  
Roof tiles to match existing and mortared in place with a secondary fixing complying with BS5433.  
On 50 x 25mm tandalised s.w. battens over Tyvek breathable under felt. 100 x 75mm s.w. wall plate bedded to new internal leaf of the wall and strapped down using 30 x 5x 1000mm galvanised straps every 1.8M max centres. Further lateral restrains to be provided by 30 x 5x 1000mm galvanised straps fixed across three rafters and ceiling joists at 1.8M centres with noggin supports between joists or rafters.  
Roof to be insulated with 150mm mineral wool between ceiling joists and a further 150mm lay over parallel to give a u-value of 1.6W/m2 roof insulation to be abutted up to wall insulation to prevent any cold bridging. 12.5mm plasterboard and plaster skim finish ceiling.  
If truss roof is preferred installation is to be as per the manufactures instructions and calculations to be provided to the building control body at the end of the project.

Steel beams are to be encased in fire rated plaster board and finished with a plaster skim.  
See structural engineers' calculations if provided.



SECTION



**CASA DESIGN**  
**ARCHITECTURAL**  
e: casa-design.co.uk  
t: 0782 101 8702

Title	ROOF PLAN / DETAILS
Drawing No.	004
Scale	NOT TO SCALE
Date	22 MAY 2020
Revision	Date

No part of the proposed extension is to project beyond the boundary line. The owner is to obtain necessary neighbours permission as required under the Party Wall etc Act 1996. The contractor will take his own measurements and if in doubt advice should be sought.



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