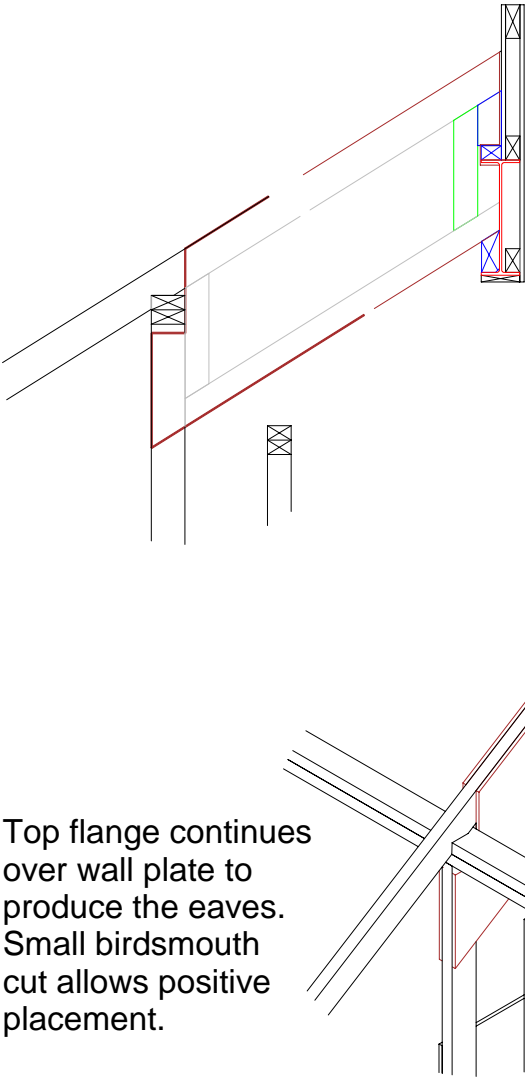
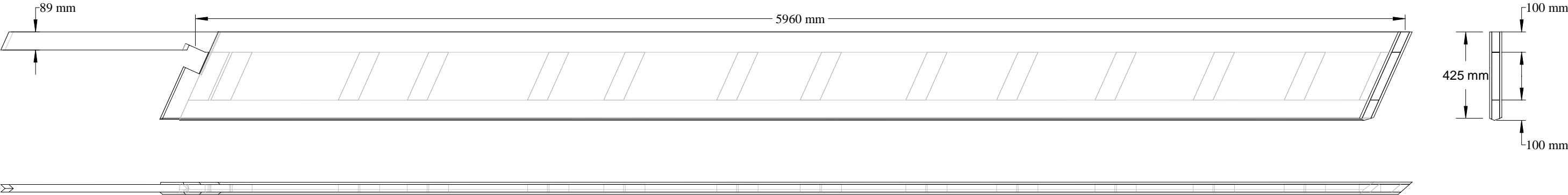
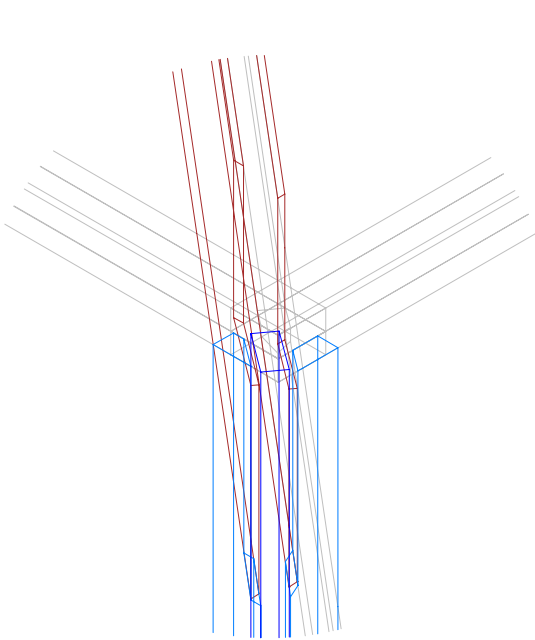


Rafter A8

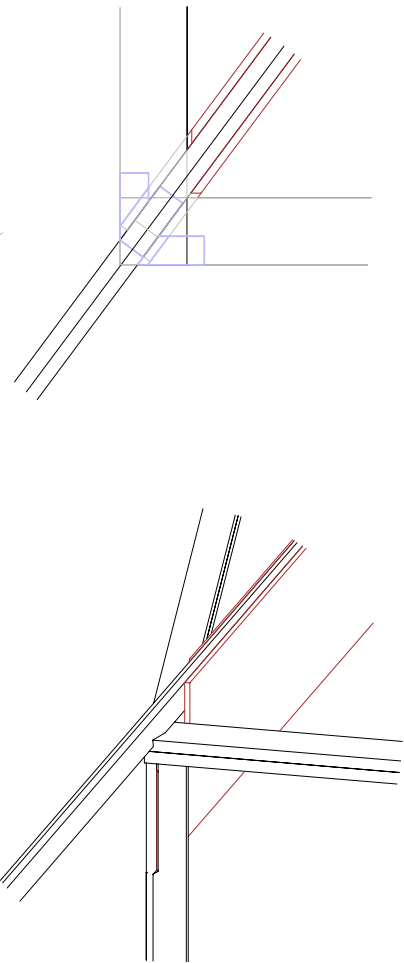


Both flanges are supported on the steel via the load blocks. Shear strength is reinforced by post. Box beam provides support for the skylight and lateral support for rafters.

Webs continue onto the wall stud and will be nailed to it. This will transfer shear forces to the stud.



Hip and valley rafters when they meet the outside wall will mate to a composite stud. This comprises one stud angled to mate with the webs of the rafter and studs aligned with each wall surface. These will have notches to clear the webs.



Valley rafter IJ-e

Flanges of all Hip/Valley rafters are made from 100mm x 39mm Kerto-S LVL.

All rafters are made from box beams. Load transfer posts are inserted at ends and every 1.2m max down the length. For Hip/Valley rafters, posts are placed at each load point. Webs made from 12mm plywood glued to flanges. CLS Flanges longer than 4.8m will have scarf joints.

Unless otherwise specified all timber is 38mm CLS 63mm is C16 & 89mm is C24

'Roselea' Smiths Loke

Bradwell, Gt. Yarmouth NR31 8DG

TITLE			
Roof construction details			
SIZE	DATE	DRAWN BY	REV
A3	10/04/13	Stephen McGarry	1.0
SCALE	1:20	SHEET	9 of 19