



**Ground Floor Plan**

288mm cavity wall with dark grey facing brickwork up to DPC. Then above the DPC level continue the wall up as follows:- 285mm cavity wall construction to comprise of 100mm thick Celcon Standard concrete thermal blockwork outer leaf, 85mm full fill Isover Hi Cav 32 cavity insulation batts, internal leaf to be 100mm thick Celcon Standard concrete thermal blockwork. Finish the inner face of blockwork in 12.5mm Gyproc Wallboard and skim with taped joints on plaster dabs. Cavity infilled with weak mix concrete below ground level.

To the external face of the 100mm blockwork outer leaf provide Proctor Roofshield Breathable membrane or similar approved. Then mechanically fix 38x25mm sw vertical vent treated battens to B.S.4471 through the membrane to the outer leaf of blockwork. Then mechanically fix 18mm External Grade Ply through the battens into the outer leaf of blockwork. Finally provide a layer of Standing Seam Zinc to the Ply all in accordance with a Zinc specialist installers specification and design.

To the top of the parapet cavity wall provide a min 400mm wide x75mm deep pre-cast concrete coping wrapped in Zinc on a Hyload DPC bedded in mortar, in accordance with a Zinc

**First Floor Plan**

**Second Floor Plan**

NOTE. Softwood firings and bearer battens to the top side of dormer steel frame structure that are supporting the Saris triple glazed units have been specified as an absolute minimum. Now that the steel sizes have been significantly reduced these sw firings and bearer battens will need to be increase a minimum of 50mm in depth and more in some cases. The setting out parameters are to maintain a min 2100mm internal eaves height, a minimum fall of 1 in 60 to the glazed roof and to maintain a min clearance of 10mm from the top side of the roof SHSs to the under side of the leaded flat roof / valley area adjacent to the structural ridge.

Exact sizes of the firings and bearer battens are to be determined on site by the Joiner for ease of construction around the site constraints. When setting out the structural wells on site for the Saris glazed units provide a minimum of 5mm gap / tolerance between each top glazed pane and water proofed as specified in main notes. If a slightly larger gap between units if preferred this can be achieved by slightly overhanging the battens and firings over the edge of the 250mm wide steel plates.

The Saris triple glazed units are supported on the top and bottom panes and should be installed to the specialist manufacturers specification and recommendations. Contact details <https://saris-extensions.co.uk/> Tel 07830017064 / 07830017064 / 07508265383  
 YouTube installation guide link :- <https://www.youtube.com/watch?v=GFPcFJ4PFw>

To the top of the intermediate top 120x80x6mm RHSs weld a 250mm wide 6mm mild steel plate to the top flange of the RHS, then to the top of the plate mechanically fix min 50x25mm sw battens to support / fix the Saris Skylight. Provide sw packing battens and line in 12.5mm Gyproc Wallboard and skim with taped joints.

Provide 2No. 203x102x23kg UB structural roof frames comprising of 203x102x23kg UB rafters. Top flange of the UB rafters are positioned 10mm below the top of the timber rafters. The top of the UB rafters are supported off a 203x102x23kg UB structural ridge. This ridge spans between the existing front, rear, intermediate internal loadbearing gable walls and the 203 UB rafter frames. The bottom of the 203 UB rafters are supported (tied) to 2No. 203x102x23kg UB beams which in turn span from front, rear and internal loadbearing gable walls positioned 20mm above the existing second floor FFL. The UB rafters are built with the rafter and insulation void to the East roof side.

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 note:  
 This drawing is copyright.  
 Do not scale off dimensions, all dimensions are to be checked on site by contractor. Contractor to report any dimensional discrepancies, errors or omissions prior to commencing on site.  
 Make Good to all surfaces disturbed  
 ALL STRUCTURAL STEELWORK AND RELATING STRUCTURES TO BE TO THE STRUCTURAL ENGINEERS DESIGNS, CALCULATIONS AND CONFIRMATION. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL THE APPROPRIATE STRUCTURAL ENGINEER'S INFORMATION.  
 IF IN ANY DOUBT ASK

Rev	Date	Comment
K	19/07/22	Dormer Cladding Revised
J	30/05/22	Dormer steelwork revised
H	18/05/22	Second floor revised in line with Struct Engrs. designs
G	14/04/22	Ground floor revised in line with Struct Engrs. designs
F	09/01/22	RHS added to Dormer in line with Saris information
E	30/12/21	Updated for Building Regulation application
D	23/12/21	Preliminary B Regs Client issue
C	22/09/21	Dormer structure revised
B	12/07/21	Strip rooflight removed, triple slider unit reintroduced
A	01/07/21	French Doors included to the side elevation, rear elevation and rooflight revisions.
Rev	Date	Comment

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