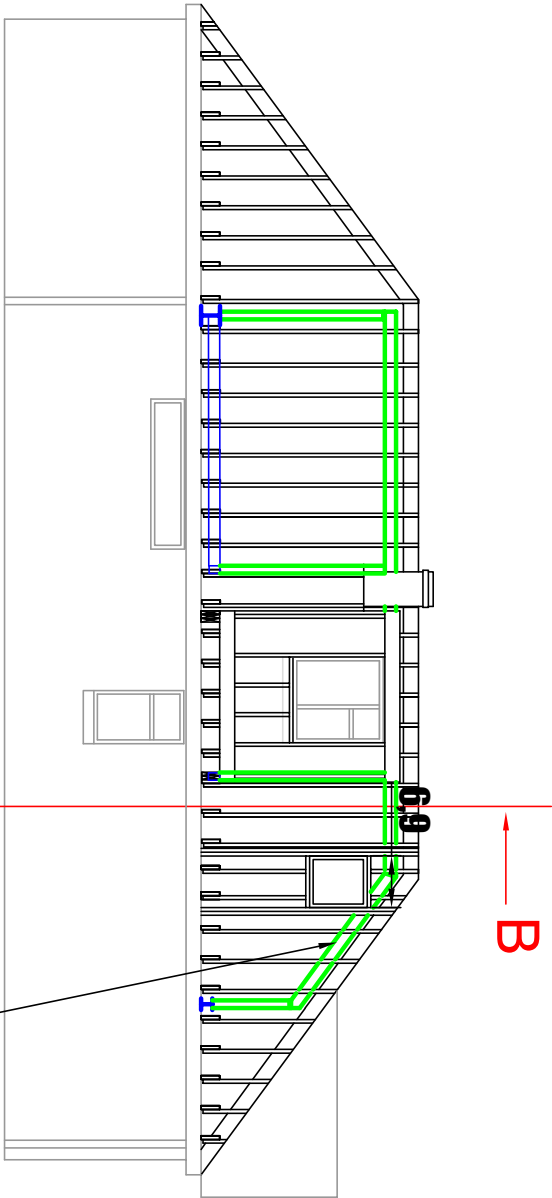
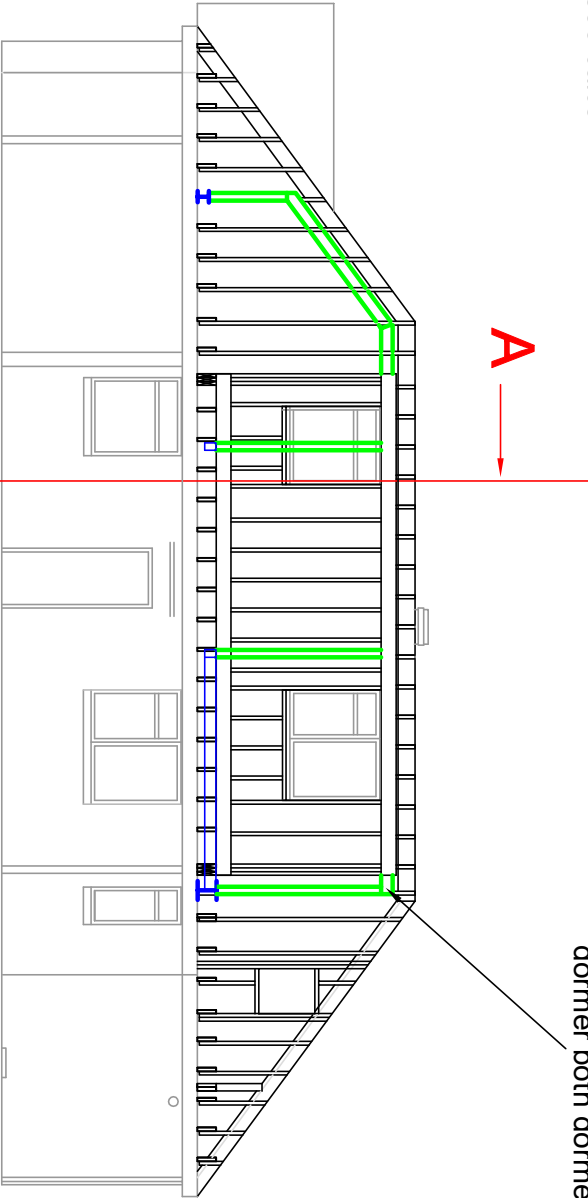


All new roof timbers are bolted to existing with 12mm coach bolt at 600mm ctrs and star washers used at bottom fixing

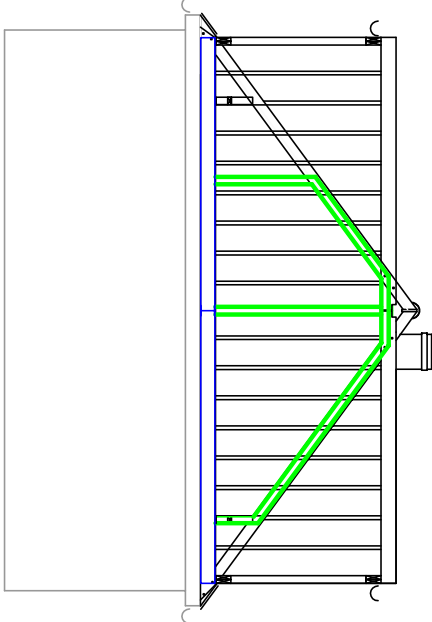


View of new rafters and small dormer structure

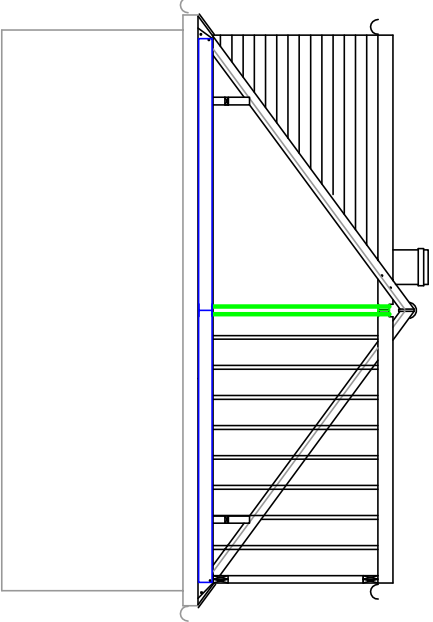
Use 3No 47x145 C24 timbers under dormer cheeks see calcs



View of new rafters and large dormer structure



View from arrow B

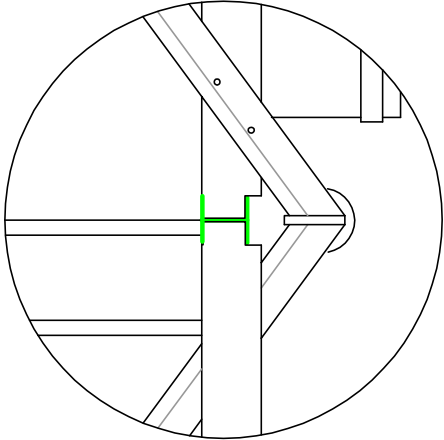


View from arrow A

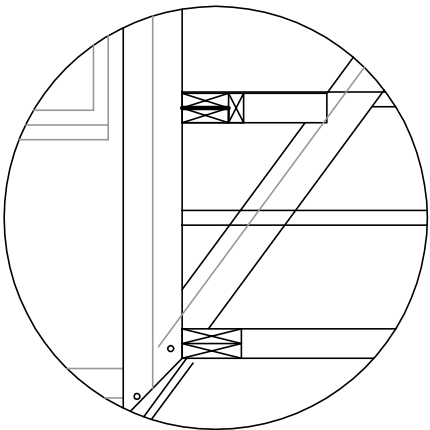
Dormer roof to be 18mm OSB roofing sheet on 50mm firings @ 1:60 fall to gutter on 170x47 C24 joists, with 120mm celotex insulation in between joists with 20mm celotex sheet under joists with 12.5mm plasterboard finished with a 3mm plaster finish.

New first floor to be 18mm T&G chip board moisture resistant in bathroom areas. On 200x50 C24 joists with 100mm wool for sound insulation.

Roof suport on 2No 200x50 C24 timbers with 100x50 C24 uprights



View showing support frame beam to support dormer roof



View showing double joists for roof and dormer wall support

Project Title:				Proposed Roof Plan							
				At 48 Maralyn Avenue, Waterlooville Hampshire, PO7 7LL Mr & Mrs D Didwell							
Client :											
				Drawn by: M.A.T		Scale: 1:100					
				Checked by: B.C.T		Product Ref:					
				Date: 19/03/2016		Ref:					

DO NOT SCALE EXCEPT FOR PLANNING IF IN DOUBT ASK