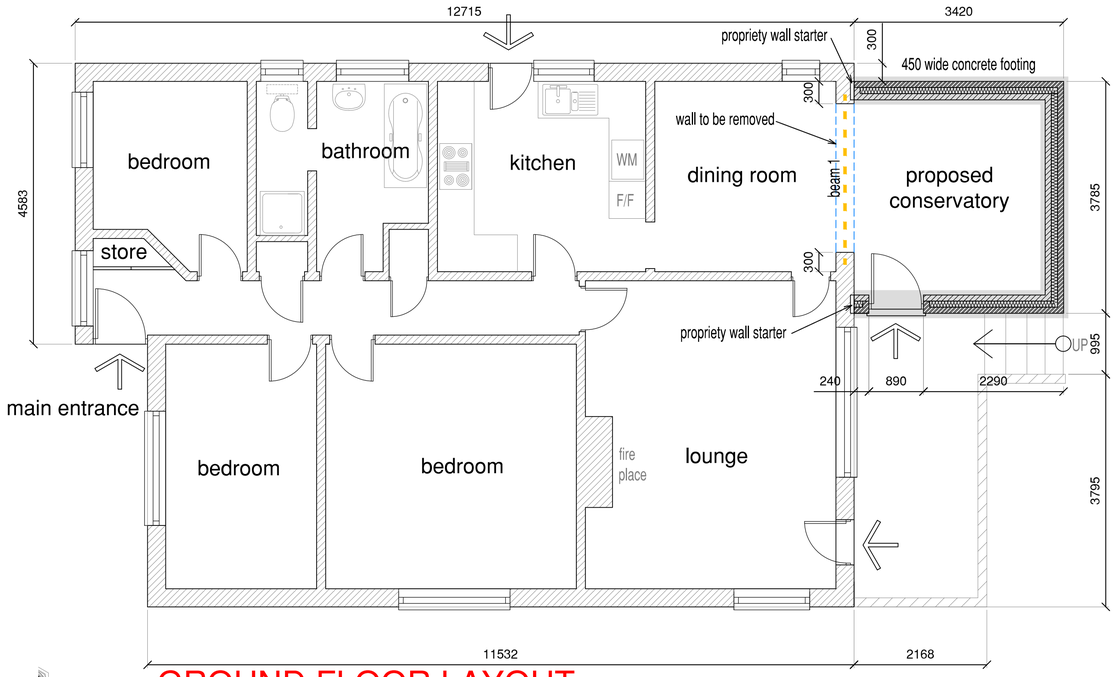
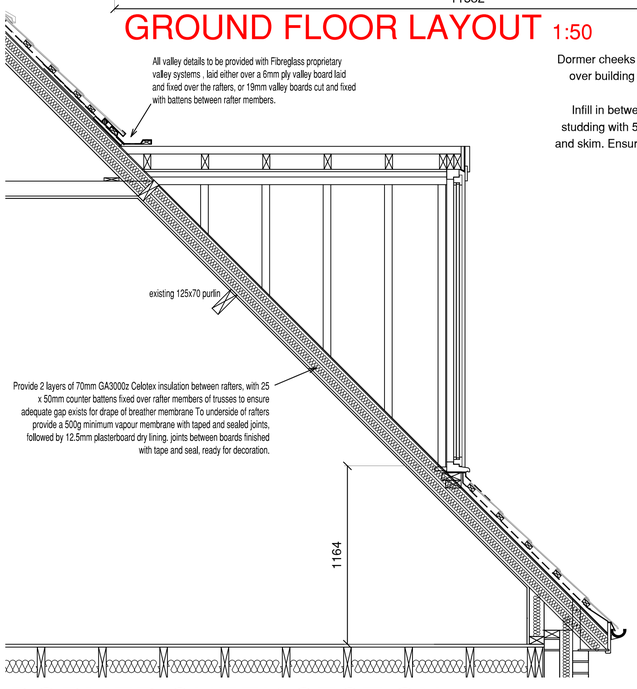
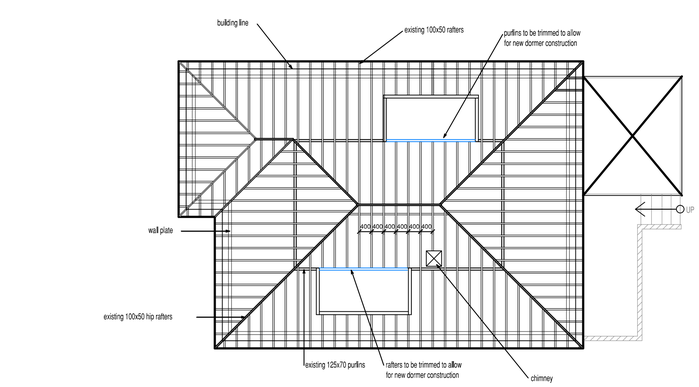


GROUND FLOOR LAYOUT 1:50



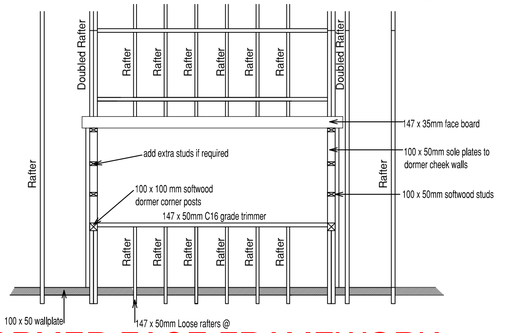
DORMER CHEEK SECTION 1:20

Dormer cheeks to be clad in minimum code 4 lead, installed in strict accordance with BS6915 over building paper slip membrane over 18mm marine plywood on softwood studwork as noted above.
Infill in between studs with 90mm GA3000z Celotex insulation boards, and line inside of studding with 500g polythene vapour membrane prior to installation of 12.5mm plasterboard and skim. Ensure vapour barrier carries round and out to first adjacent rafter member as noted on the detail section above.

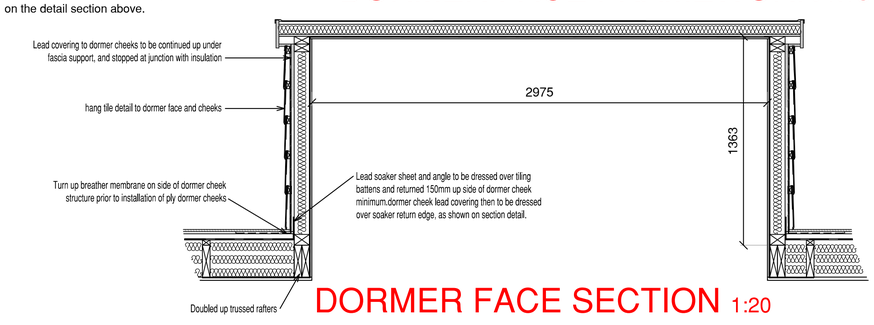


ROOF STRUCTURE 1:100

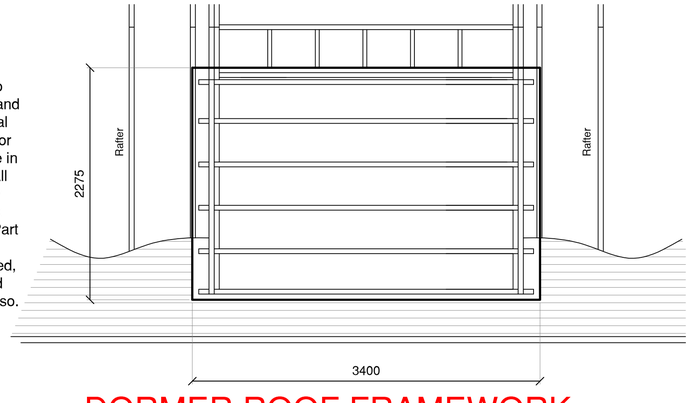
All roof members to the dormers to be 50 x 100mm C16 grade softwood.
Provide 50 x 50mm minimum infill softwood where required to support edges of plasterboards. Edge of ceiling plasterboard adjacent to window to be supported on 100 x 50mm noggins, as noted on the section.



DORMER FACE FRAMEWORK NTS



DORMER FACE SECTION 1:20



DORMER ROOF FRAMEWORK NTS

see specification for timber details

ELECTRICAL INSTALLATIONS
All electrical works carried out are to comply with current codes of practice and to conform to the Institute of Electrical Engineers 16th Edition. The contractor shall issue a completion/test certificate in compliance with I.E.E. regulations. All electrical works to be carried out by qualified installer. All electrical work required to meet the requirements of Part P (Electrical Safety) of the Building Regulations must be designed, installed, inspected and tested by a registered person competent under Part P to do so.

Drawing Notes

1. all dimensions are in millimeters unless noted otherwise. DO NOT SCALE FROM DRAWING.
2. this drawing is to be read in conjunction with all other relevant architects and engineers drawings.
3. contractor to check all dimensions and levels on site before work commences and report an discrepancies or variations to the architect or engineer immediately.
4. all works shall be in accordance with the technical specification and written manufacturer's recommendations. all works are to be carried out in accordance with the approved method statement and use of appropriate ppe.
5. a written method statement shall be issued specifying how the works are to be safely undertaken.
6. all new steel is to be to BS 10025 grade s 275 jr.
7. all bolts to be grade 8.8 black bolts. all bolts are to be properly tightened.
8. all weld connections to be continuous 8mm fillet weld.
9. contractors are to visit the site before tendering to familiarize themselves with all aspects of the proposals.
10. the successful contractor will be responsible for obtaining from site all information necessary for the satisfactory execution and completion of the works.

Roof and Dormer Construction Specification

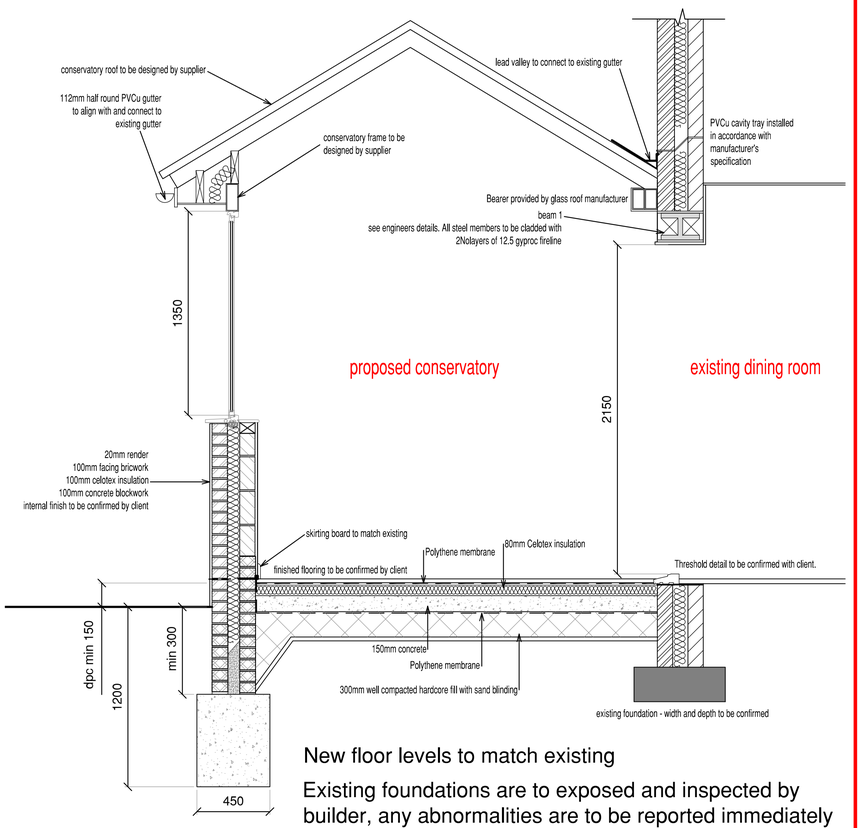
Breathable roofing membrane is to be fixed over 25mm counterbattens with a consistent drape over 2 layers of 70mm thick GA3000Z celotex board foil faced insulation cut between rafter members. Foil tape seal all joints in celotex, to manufacturers instructions. Softwood rafters fixed to a timber wallplates with a minimum of two 4.5mm x 100mm long galvanised round wire nails skewed through each side of rafter or truss clips can be used to the manufacturers instructions and details.
The main roof construction at its junction with the top of the dormer roof detail, shall be stopped short as shown on the detail section, and to be complete with the proprietary double slate detail as recommended by Roof covering manufacturer. At the dormer roof connection with the main roof provide a fibreglass valley detail, laid over 6mm minimum ply lay boards fixed over rafters, or 19mm lay boards cut to fit between rafters. Include for all Redland carrier clips etc as required.

Dormers are to built in a timber frame comprising 100 x 100mm C16 grade front corner posts, and 100 x 50mm C16 grade side frame members all built off from 100 x 50 C16 grade softwood sole plates nailed to top faces of doubled trusses.
Provide doubled 100 x 50 head plates to the dormer cheecks to provide plate for 100 x 50mm softwood rafters as provided by Truss manufacturer, and as shown on their drawings.

Ceiling members of Dormers to be provided in 100 x 50mm C16 grade softwood, nailed to head plates of cheeks and also to Rafter members. Rafter members to be appropriately scew nailed into head plates.
Insulation to roof of dormers to be provided in 1 layer of 100mm mineral wool quilt, laid between ceiling joists, and a second, 150mm layer laid over top of first, and at 90° to first to prevent air gaps where possible.

Provide insulation as identified on the drawing . Underside of Ceiling joists and inside faces of dormer cheeks to be lined with 500g minimum polythene as a vapour barrier prior to installing 12.5mm plasterboard, and skim.

All valleys will be formed using Fibreglass valleys as noted in section 1 notes. Dormer cladding, flashings, and main roof valley gutter linings will be code 4; soakers may be code 3. All lead will be milled lead sheet to BS1178. To prevent electrolytic action flashings and soakers must be made from the same metal.



New floor levels to match existing

Existing foundations are to exposed and inspected by builder, any abnormalities are to be reported immediately

CONSERVATORY CONSTRUCTION DETAILS 1:20

CONSERVATORY SPECIFICATION

ROOF : Laminated double glazed roof supported on aluminium glazing bars Code 4 lead flashing at the roof to existing wall abutment All new leadwork to be in accordance with LDA guidelines.
GLAZING : Double glazed windows and doors Area-weighted average U- value for windows and doors to be at least 1.8 W/m2K Toughened or laminated glass to the new windows and doors.

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Designer: M.Baker YouCad.co.uk

STRUCTRAL DETAILS - PHASE 1 OF 2

Proposed Conservatory & Dormer Windows | Status: Construction | Scales: As Shown | Date: 23/05/2011 | Revision: Ø

Original Drawing Size 841 x 594 A1