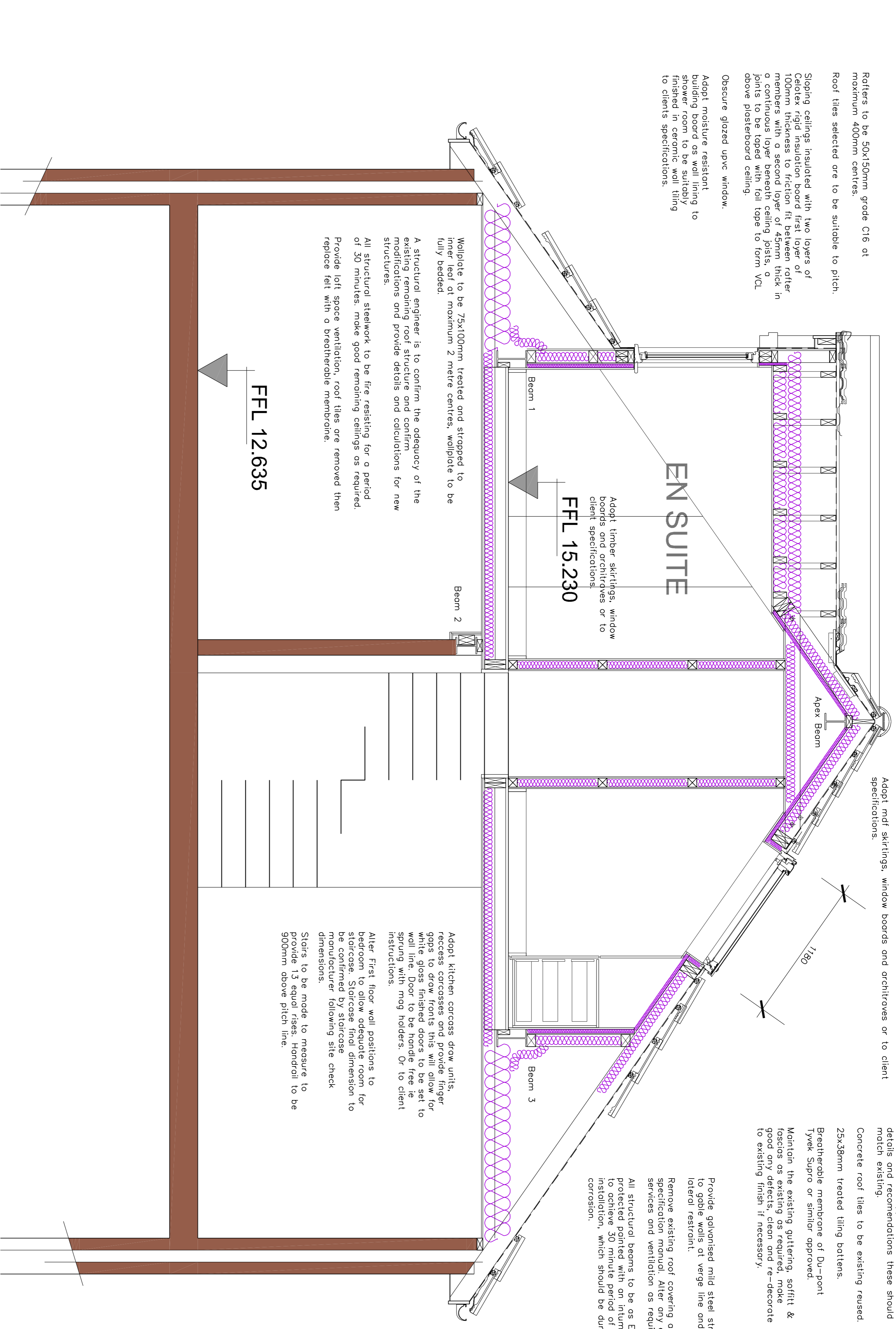


# DETAILED SECTION 2-2



Rafters to be 50x150mm grade C16 at maximum 400mm centres.

Roof ties selected are to be suitable to pitch.

Sloping ceilings insulated with two layers of Celotex rigid insulation board first layer of 100mm thickness to friction fit between rafter members with a second layer of 45mm thick in a continuous layer beneath ceiling joists, a joints to be lapped with full tape to form VCL above plasterboard ceiling.

Obscure glazed upvc window.

Adopt moisture resistant building board as wall lining to shower room to be suitably finished in ceramic wall tiling to client's specifications.

Adopt timber skirtings, window boards and architraves or to client specifications.

Wolplate to be 75x100mm treated and strapped to inner leaf at maximum 2 metre centres, wolplate to be fully bedded.

A structural engineer is to confirm the adequacy of the existing remaining roof structure and confirm modifications and provide details and calculations for new structures.

All structural steelwork, to be fire resisting for a period of 30 minutes, make good remaining ceilings as required. Provide loft space ventilation, roof ties are removed then replace felt with a breathable membrane.

FFL 12.635

FFL 15.230

Provide Velux windows complete with insulation/left colors, sun blinds, appropriate flashing kit and vapour control barrier.  
Timber for stud partitions to be 50x75mm grade C16 at maximum 600mm centres with cavity filled with foamtherm insulation. Covered on both sides with 12.5mm plasterboard and skim finish. The structural engineer is to detail the load bearing stud walls.  
Adopt rtd skirtings, window boards and architraves or to client specifications.

Ridge tiles to be fully bedded in mortar of 50% sharp sand and 50% soft sand or as advised by the manufacturer.  
All lead work to be poltised.  
Interlocking concrete roof tiles installed and fixed and clipped to manufacturers details and recommendations these should match existing.

Concrete roof ties to be existing reused.

25x38mm treated tiling battens.  
Breathable membrane of Du-pont Tyvek Supro or similar approved.

Maintain the existing guttering, soffits & fascias as existing unless there is a good reason to remove or replace. Make good any defects, clean and re-decorate to existing finish if necessary.

Provide galvanised mild steel straps at 2 metre centres to gable walls at verge line and new floor level for lateral restraint.

Remove existing roof covering and provide new to specification method. Alter any existing wiring, plumbing services and ventilation as required.

All structural beams to be as Engineers details and be protected painted with an incombustible paint or cladding to achieve 30 minute period of fire resistance prior to installation, which should be durable to prevent corrosion.

At loft areas provide 300mm glass fibre quilt insulation in two layers of 150mm thick laid between roof ceiling member and at right angles above plasterboard ceiling.  
12.5mm plasterboard and skim ceilings.  
Provide Tyvek SD2 vapour control layer between the underside of roof rafter member or full faced insulation is used (tape joints with folded tape).

Adopt kitchen carcass and provide finger recess carcasses and provide finger gops to draw fronts this will allow for white gloss finished doors to be set to wall line. Door to be handle free ie sprung with mag holders. Or to client instructions.  
Alter first floor wall positions to bedroom to allow adequate room for staircase. Staircase final dimension to be confirmed by staircase manufacturer following site check dimensions.  
Stairs to be made to measure to provide 13 equal rises. Handrail to be 300mm above pitch line.

Modify existing trussed rafter roof structure to Structural Engineers details. Provide additional rafters to existing to become trimmers for velux window apertures.  
Install new Velux rooflights as indicated complete with manufacturers flashing kits, vapour barrier, felt collar and sunblinds to client spec.  
Stud partitioning to form room layout.  
Provide 100mm Rockwool insulation to new floor void cavity for sound insulation.  
Form new supporting floor structure as indicated and confirmed by the Structural engineer.  
Provide two way switching to stair area lumination.  
Ensure adequate gable wall strapping is in place.  
Remove any existing water storage tanks, this should only be carried out by an qualified Heating Engineer.

Buildup new dormer checks new double rafters from existing roof line in 100x50mm grade C16 treated timber studwork.  
Ceiling joist to be 50x125mm at 400mm centres bolted to the sides of rafters.  
Modify and remove redundant area of roof structure all to the structural engineers details, expose existing structural timbers and advise engineer to clarify safe removal.  
New guttering and fascias to match existing.  
New Upvc windows with double glazing and trickle ventilators.  
Dormer construction to be finished in poltised lead.

18mm flooring grade chipboard floor laid over floor joist.  
Provide 100mm thick rockwool sound insulation to floor void between joists.  
Provide galvanised steel straps as lateral support to walls as indicated on plan drawings.  
Maintain a minimum 2m clear headroom over pitch line of stairs. New stairs as detailed in construction manual. Head room to loft area to comply with part K. Provide handrail and balustrading to new stairs and comply with part K.  
Stud partitioning to form 30 minute fire resisting seperation to protected storwell.  
Adopt either Celotex rigid insulation board in two layers of 100mm to friction fit between rafters and 45mm in a continuous layer to underside of rafters.  
Modify and remove redundant wiring as required and to client instruction, provide new power and lighting circuits along with co-axial wiring as required.  
Provide new radiators in positions to be agreed with the client.

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## CDM Regulations 2007 - Designers' Notes on Significant Residual Risks

- 1.

These notes relate solely to information shown on this drawing. Only significant risks which are considered to be unusual or unlikely to be obvious to a competent contractor or other designer will be highlighted. This information may be subject to revision as the design develops.

Refer also to drawings:

VERIFICATION STATUS	Verified by	Date
MEQ/RES/EN		
PLANNING		
BUILDING CONTROL	Neil	Jan 14
CONSTRUCTION		

No	Revision	Date	Drn	Chkd

## INIGO ARCHITECTURE LTD

L-07

Client: Mr & Mrs Collins  
Project Title: Proposed Loft Extension

Site: Silkie 2 Church Road  
Drawing Title: Wilstead Bedfordshire MK45 4HH  
Checked: NH  
Proposed Detailed Section 2 - 2

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