

ROOF STRUCTURE - pitched roof

Natural slate to match existing on 50x38 treated SW battens to BS5534 with 100 head lap on breathable membrane sealed at laps with 75 wide double sided tape supported on minimum 150x47 C16 rafters @ 400 maximum centres fixed using truss clips/heavy duty joist hangers to wallplate and roof timbers.
Provide 100 *Recticel* Eurothane GP between rafters and 75 *Recticel* Eurothane GP below rafters, 12.5 plasterboard with skim finish below, provide eaves and abutment ventilation with a minimum of 50 clear air space above insulation
'U' value of 0.15w/m²k
provide double rafters to new roof windows

WINDOWS

All windows are to match existing, clear or obscure double glazed PVC frames with a minimum 'U' value of 0.14w/m²k or Window Energy rating Band B minimum, glazed doors to be aluminium frames with a minimum 'U' value of 0.14w/m²k or Doorset Energy rating Band C minimum and with safety glass in critical locations, between finished floor level and 800mm above that level in internal and external walls and between finished floor level and 1500mm above that level in a door or a side panel to either edge of door. All to comply to BS 6206: 1981 and to Part N of the current Building Regulations.
Where required to provide escape window as Part B i.e. 'at least 0.33m² and at least 450hx450w with cill not more than 1100 above floor'. Escape windows with cills below 800 to be glazed in safety glass and be fitted with opening restrictor with manual override.

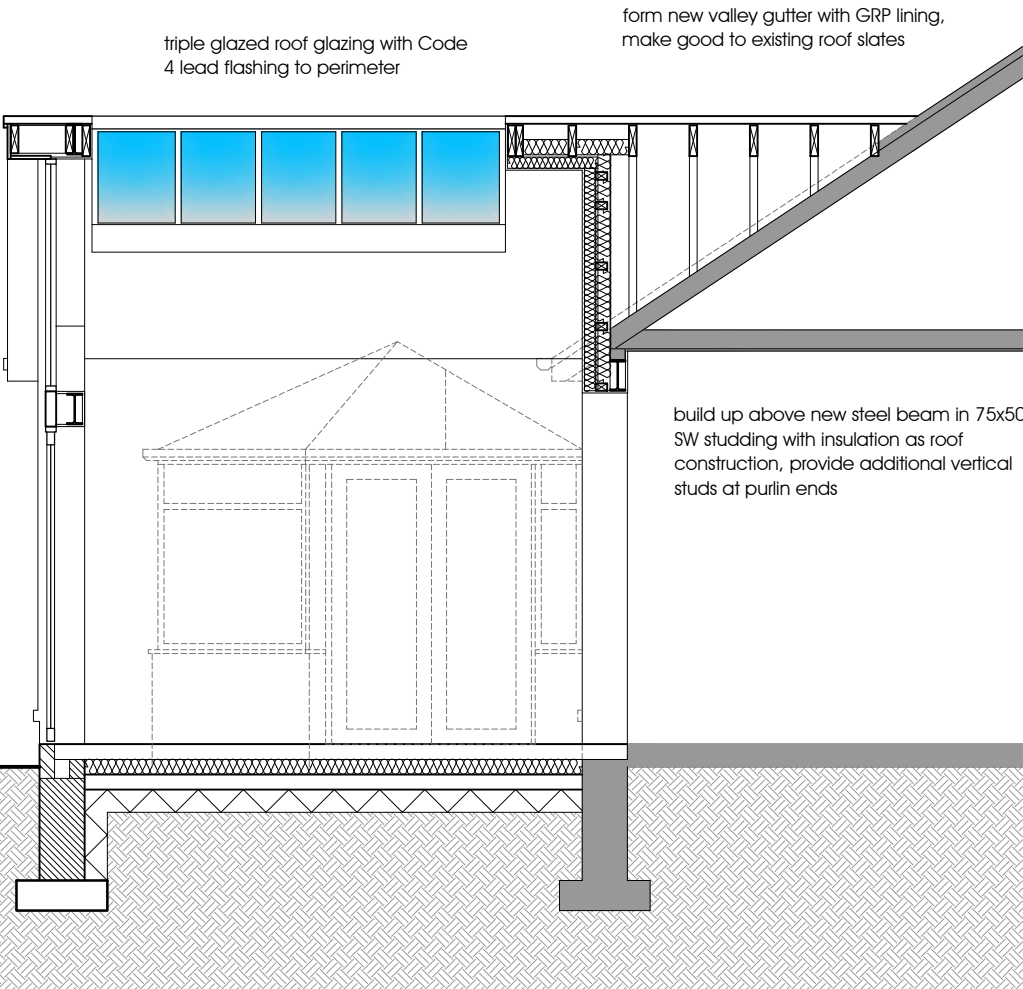
existing conservatory to be carefully demolished and foundations grubbed up, existing external wall to be carefully removed and new steel beam provided over to support existing roof timbers

CAVITY WALLS ABOVE DPC LEVEL

External walls to comprise single coat through colour render finish on 100 dense concrete blockwork with stainless steel wall ties to BS 1243:1978 set at staggered centres 750 horizontally and 450 vertically, reduced to 225 centres around openings, 100 cavity with 90 thick *Recticel* Eurothane+ cavity board insulation, 100 lightweight insulating blockwork (Thermalite Shield or similar), 12.5 plasterboard on dabs with skim finish
Minimum 'U' value of 0.15w/m²k
Thermabate or similar cavity closers to openings

EXTERNAL WALL LINTELS

All lintels to openings in external walls not indicated as steel beams are to be CATNIC or similar with anti corrosion treatment and integral DPC and stop ends for use with masonry construction or precast concrete to suit location.
Install lintels on a mortar bed allowing a min. 150mm end bearing on each end with 2No. weepholes over openings.
All steel lintels to be encased in 15mm fire line board or similar to achieve ½hr fire protection where appropriate.



⑥ proposed section
Scale: 150

FOUNDATIONS

EXISTING FOUNDATIONS ARE TO BE EXPOSED AND APPROVED FOR ADDITIONAL LOADS BY THE BUILDING CONTROL OFFICER.
600x200 insitu concrete strip foundation to a suitable bearing strata agreed with the Building Control Officer and in accordance with Regulations A1/2.

WALLS BELOW DPC

Walls below DPC to be dense concrete trench blocks from foundation to 225 below finished ground level and approved facing brickwork to match existing up to matching projecting course, provide horizontal DPC 150 above ground level

GROUND FLOOR CONSTRUCTION

floor finish on minimum 65 screed, 80 *Recticel* Eurothane GP 100 insulation, 100 thick insitu concrete ground floor slab with mesh reinforcement, VISQUEEN DPM, and rolled and blinded sub base.



○ gable frame elevation
Scale: 150

proposed rear extension
69 lake bank, littleborough

SUBJECT
proposed section and
gable frame elevation

DRAWN dph
DATE june 2023
SCALE 150 @ A3

DWG No.
LDC09