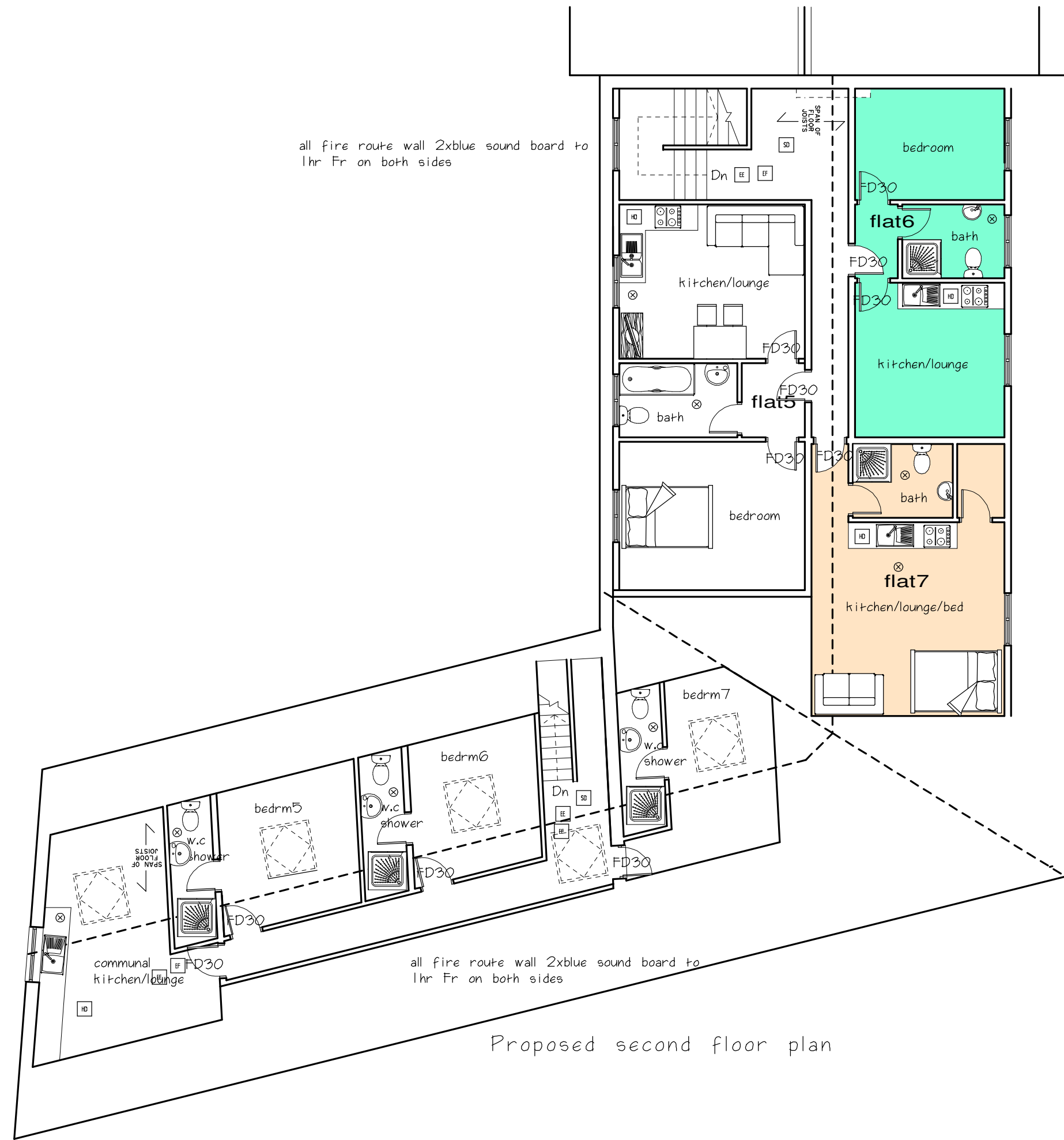




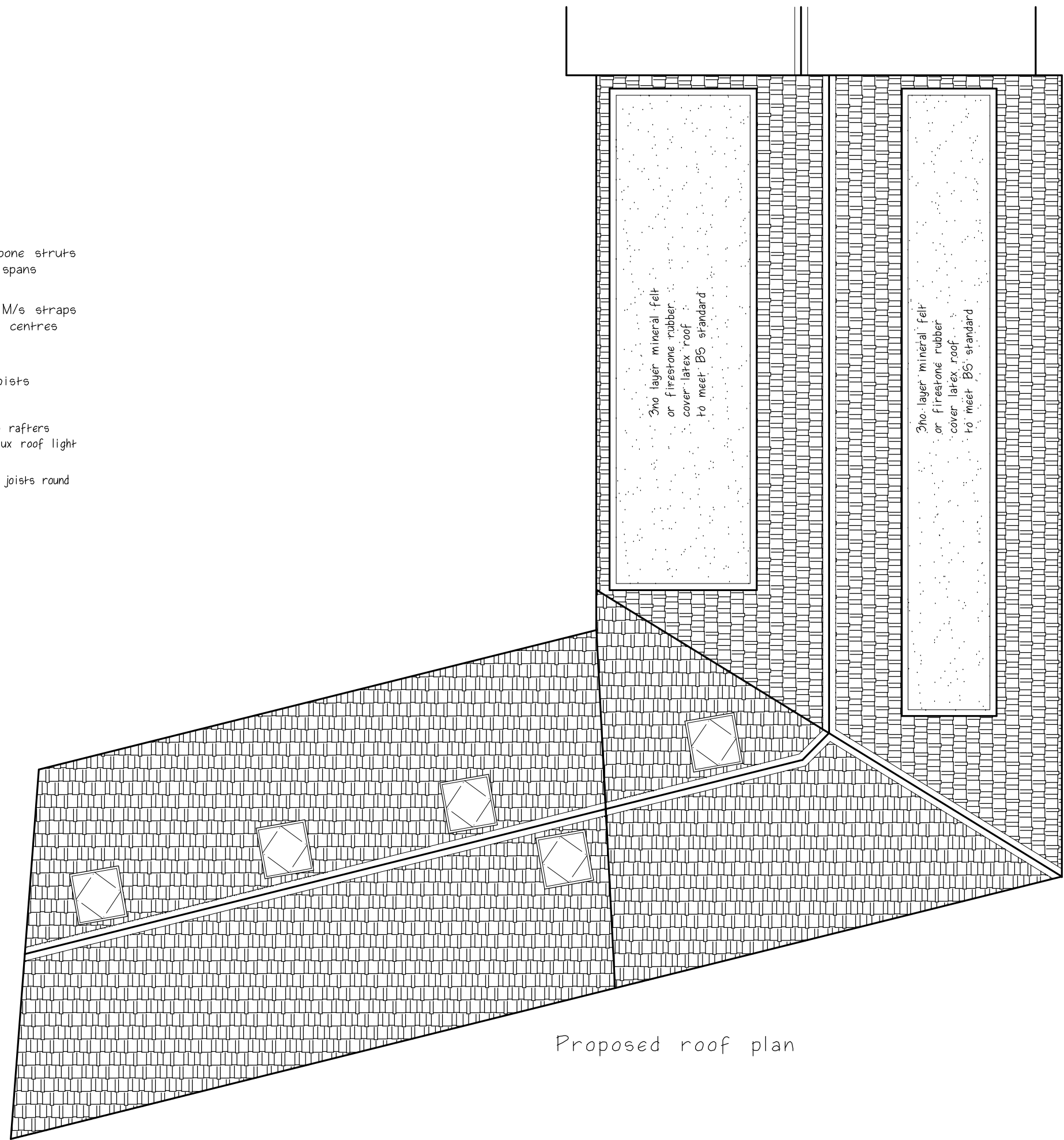
herringbone struts
@ mid spans

5X30 M/s straps
@1000 centres

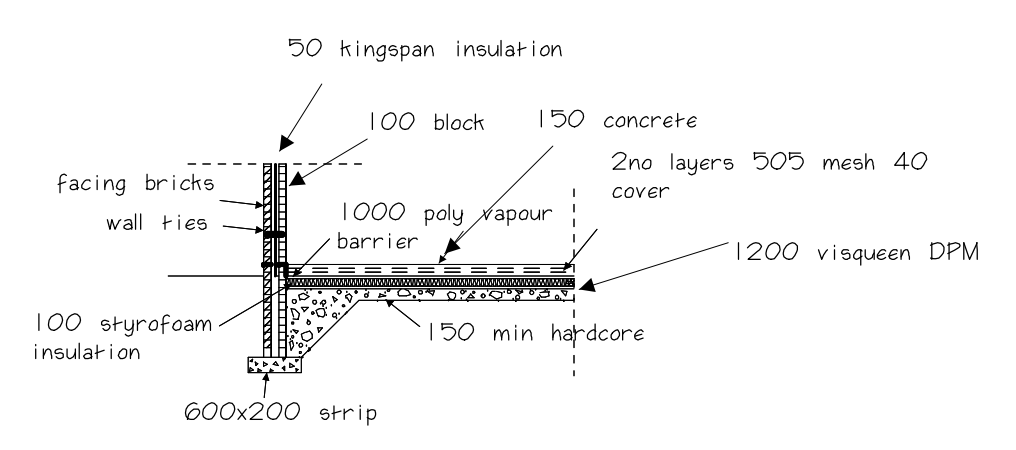
Floor joists

double up rafters
round velux roof light

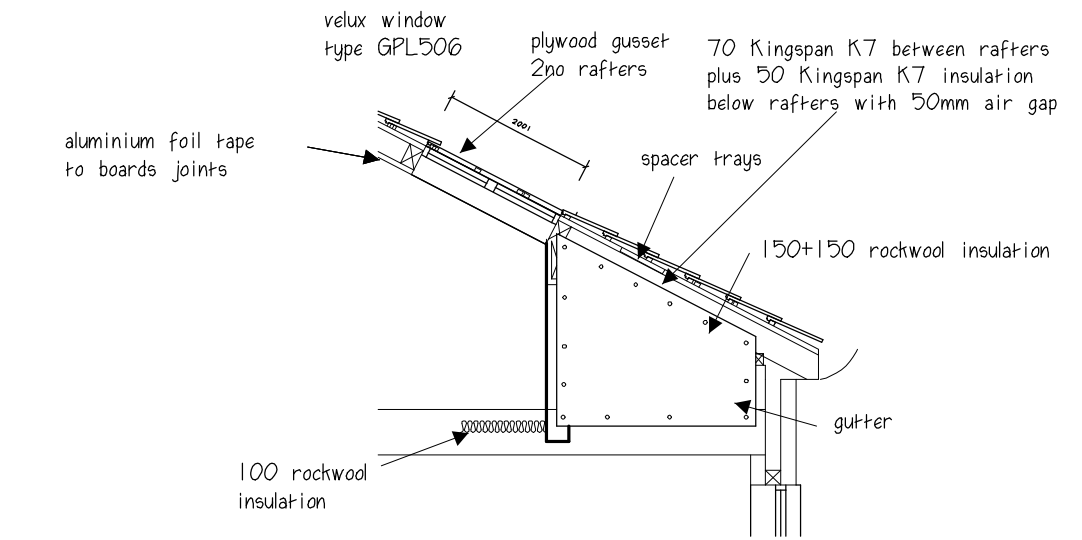
timber joists round
stairs



Proposed roof plan



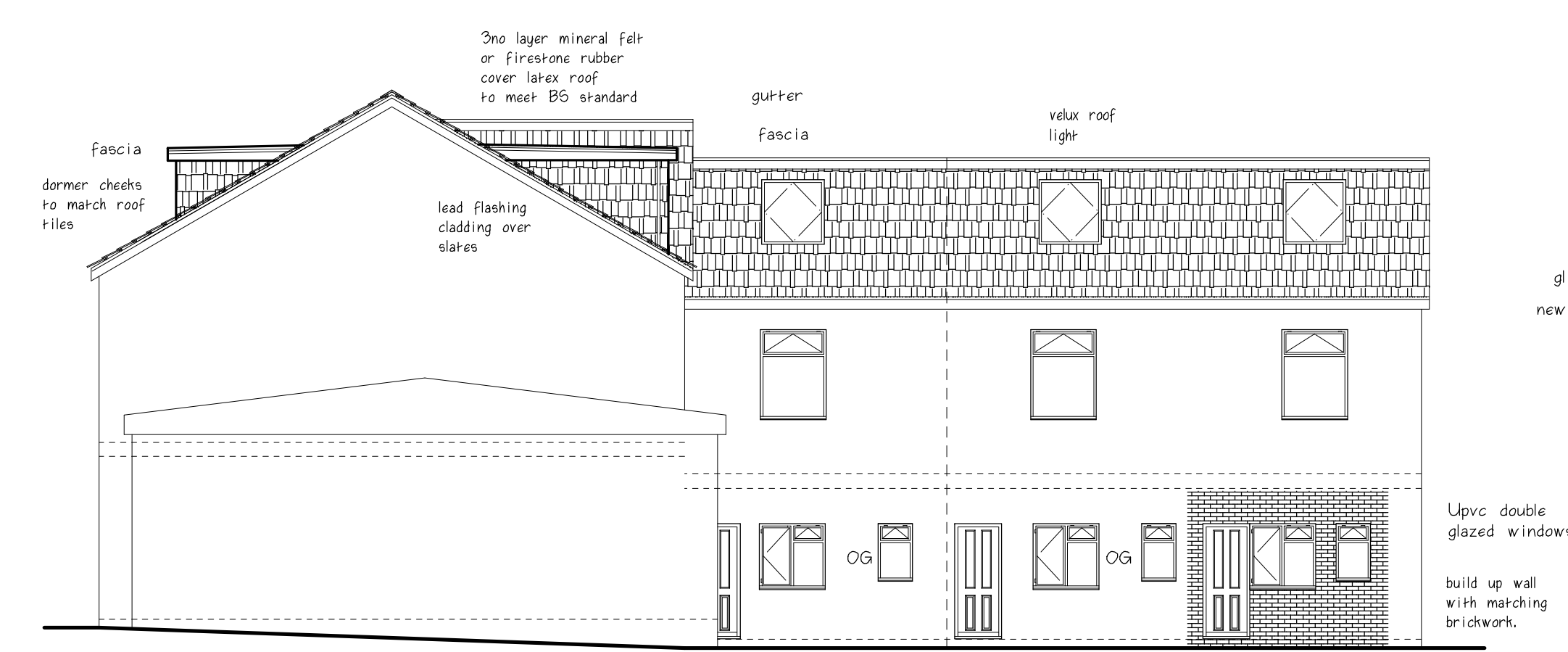
FOUNDATION DETAIL



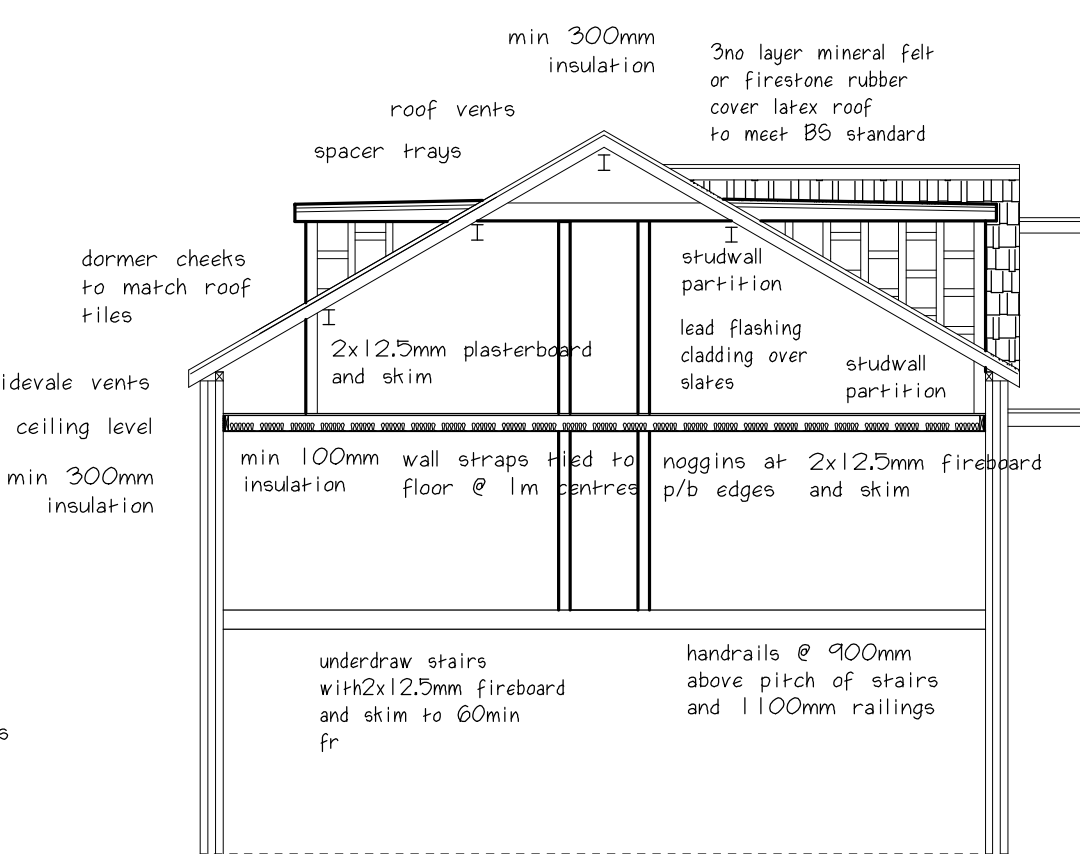
ROOF TIE GUSSET DETAIL



Proposed side elevation (Back Topping St)



Proposed rear elevation (Back Taylor St)



Proposed rear elevation (Back Taylor St) cross section

Notes

Walls
All internal timber partition to be constructed of 50mm x 75mm s/w ood battens @ max 600mm centres vertical and horizontal. Void between frame-work to be filled in with 100mm fibre glass quilt insulation. Fire-line both side of partition to min 1/2 hr Fr.
Double up floor joists below partition walls around stairs and baths

Ventilations
Provide min 4no vent tiles with 2no @ high level near ridge & 2no low level to front side of sloping roof.

Staircase
Max rise 210 min going 233 max angle 42 degrees with min head room 2000mm.
Hand-rails @ 900mm above pitch line. It is imperative new floor to floor height is confirmed prior to manufacture of new timber stairs
Under draw and fire-line board to give min 1/2 hour fr.

Existing staircase
Fire-line: 12.5mm plasterboard under draw and skim.

Second floor construction:
---mm x ---mm timber joists minimum 100mm into outside walls either side of window @ 400mm centres or ---mm x ---mm timber wall plates with proprietary bolts on shoe joist. 22mm T&G chipboards fixed down on top of Timber joists ---mm x ---mm @ 400 centres. Min 100mm into wall or 100mm thick rockwool quilt insulation laid between timber floor joists supported by chicken wire draped around floor joists min 10kg /m3 density. 12.5mm fire-line board min 2no layers and skim to achieve 1/2 hour F.R.

Smoke detectors:
Install automatic smoke detectors to mains power and battery backup and interlinked where shown on plan.

Heat detector: HD
Fit one main's wired heat detector to kitchen to BS 5834 Part 1

Doors: FD6
All escape route passage doors to be fire doors with self closures and smoke sealed except W.C/bathroom.

BEAMS:
Blast clean, prime & paint all steelwork before fixing.
Builder to provide adequate support pairs below beams
Where parallel beams used use 100x5300 Ms restraint bars fixed to both flanges at each and mid-span by welding or bolting with M20 8.8 bolts.

Foundations:
600mm x 150mm concrete strip footings to project at either side, FDN6 taken minimum 750mm below ground level to suit conditions and below any adjacent drains to the complete satisfaction of the building inspector.

FLOOR:
65mm screed on 1000 grade poly vapour barrier on 80mm Kingspan Kioderm K103 (U value of 0.18/m2k) with minimum 12mm floor edge insulation and opening closures. 1200 gauge visqueen gap Membrane barrier taken to DPC across whole site. Joists to be taped and taken up inside face and linked into DPC, above 150mm above ground level over 150mm concrete slab with the A142 (BS 5053) mesh 40 cover, 50mm sand blinding on 150 graded builders hardcore.

Wall construction kitchen
75mm red facing brick outer leaf with a 150mm minimum cavity with 100mm kingspan insulation block (U value of 0.18W/m2K. 100mm thick high strength 7k Thermolite turbo block or 100mm cason block inner leaf and finish internally with 13mm plaster and skim.

Cavity wall ties
250mm stainless steel butterfly ties to BS1243 every 750mm horizontally and 450mm vertically. Cavity closers cut stone or block to eaves and verges reveal and cut block openings.

Lintels
Suitable IG lintels over new window and door openings min 150mm and bearing with cavity tray over

Rain water
110mm diameter half round gutter 68mm diameter rainwater pipe.

Dormer Cheests
Dormer cheests to be constructed of 100mm x 100mm s/wood timber studs @ max 400mm vertical & horizontal centres. External side of cheests to be lined with approved matching slates or manley concrete tiles nailed to horizontal 25mm x 50mm s/w battens @ required gauge. Batten's nailed onto sarking felt fixed in turn onto 18mm plywood nailed on top of 6mm supalux board. Void spaces between timber to be filled with minimum 100mm kingspan interior surface of dormer walls to be lined with 500g visqueen vapour barrier and fire-line board to give minimum 1/2 hr fr.

Use 2 x 100mm x 200mm timber joists bolted together to give support to the dormer cheests. Dormer walls & cheests to be min 100mm Kingspan or similar insulation board to be fitted tightly between frame work to achieve the required 'U' value of 0.30w/m2k.

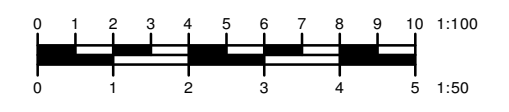
Velux windows
To be installed in positions shown on x section front side of the roof slope. Velux window (Type GPLP06) to form part of the emergency escape window to be located max 1700mm away from eaves gutter and min 800mm above floor level. Exact position to be decided on site with approval from La building inspector.

Glazing
Dormer windows to form emergency escape with min opening of 850mm x 500mm. Upvc double glazing ABD.

All side window and door glass to be safety glazing. Exterior Upvc frame with one part opening and Trickle vents with no less than 8000sq mm in area. Measures to be taken to deal with thermal bridging install draught seals to Inspector's satisfaction. Note glazing to be " Pilkington glass filled with 22mm air gap filled with Argon gas and soft low e coating to achieve a U value of 1.0w/m2k.

New beams
New ridge beam and beam to front of dormer see structural Engineers notes.

Party wall insulation
500g Visqueen on 75mm x 50mm s/wood timber studs @ 600 centres. 75mm rockwool insulation between gaps 12.5 fire-line board and skim.





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Scale:1:100 Page 3/3 (A1)

Drawing no: 1979

Proposed layout

Location:1-7 Taylor Street,
Bury, BL9 6DT

Client: MR. SALAH AL OBAIDI

Date: June 2023

please do not scale drawing