1. All doors to habitable rooms opening onto staircase at ground and first floor level to be half hour fire resisting and to be fitted with self closing devices & 25x38mm door stops, glued & screwed (if no other means of escape)

2. Provide power operated smoke alarms on ground & first floor ceilings & second floor landing area

3. Smoke detectors required to each landing level

4. Vertical insulation in roof void to continue to the ceiling insulation

5. All steel beams to be fire protected with 2 layers of 12.5mm f/b plasterboard abd binding wire to provide half hour fire resistance

6. Provide trickle vents in new windows to achieve min. 8,000mm of background ventilation

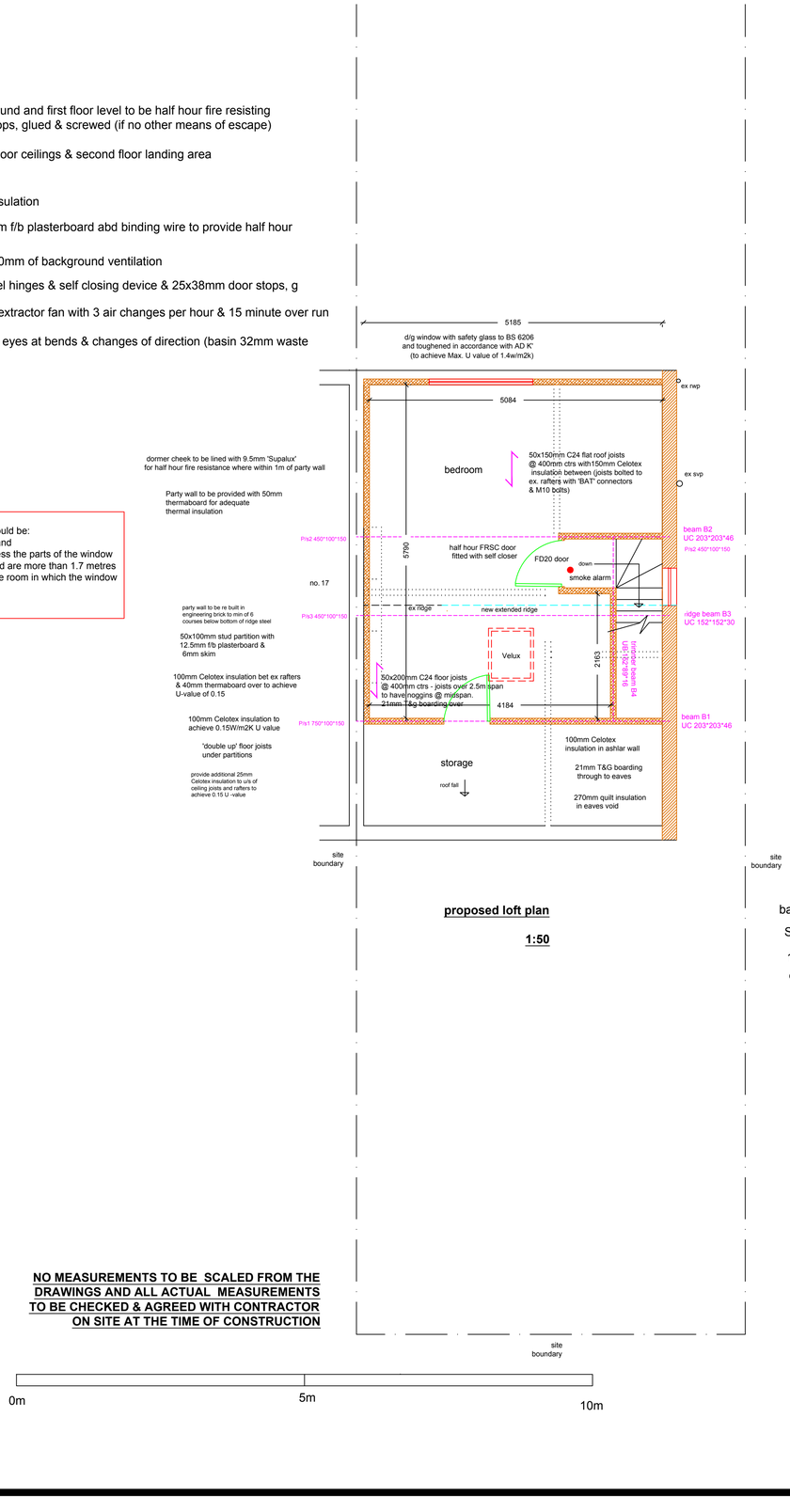
7. New loft room door to be half hour fire door fitted with steel hinges & self closing device & 25x38mm door stops, g

8. Provide mechanical ventilation to bathroom by means of extractor fan with 3 air changes per hour & 15 minute over run (min. capacity 15 litres/second

9. Bath, basin and wc waste to go into ex. svp with cleaning eyes at bends & changes of direction (basin 32mm waste & bath 38mm waste with

10. min. 50mm 'going' at newel post

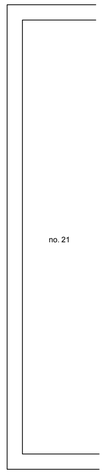
new side window would be:
(i) obscure-glazed, and
(ii) non-opening unless the parts of the window which can be opened are more than 1.7 metres above the floor of the room in which the window is installed



proposed loft plan

1:50

NO MEASUREMENTS TO BE SCALED FROM THE DRAWINGS AND ALL ACTUAL MEASUREMENTS TO BE CHECKED & AGREED WITH CONTRACTOR ON SITE AT THE TIME OF CONSTRUCTION



DORMER ROOF:
Provide 3 layers torch on roofing felt to BS 747 laid to CP 144 on 18mm exterior plywood on 47 x 50mm cross battens on tapered firrings (1:40 fall) on 50 x 150mm SC4 flat roof joists @ 400mm CRS with 150mm Celotex insulation between and polythene vapour barrier to warm side of insulation and 12.5mm plasterboard internally. Provide 63.5mm downpipe and 112mm gutter and Glidevale strip vents in soffit for cross ventilation to flat roof.

DORMER WALLS:
Plain vertical tile hanging on 19 x 38mm tanalised roofing battens on slaters felt to BS 747 on 9.5mm exterior plywood nailed to 50 x 100mm studwork at 400mm CRS. 100mm Celotex insulation to all cavities with polythene vapour barrier and 9.5mm plasterboars and skim internally. Walls within 1 mtr of boundary to have 12.5mm plasterboard internally with 9.5mm Supalux to achieve half hour fire resistance (BRE REPORT 128).

WALLS/SLOPE:
50 x 100mm studwork at 400mm CRS fixed to 50 x 100mm head and sole plates. Cavities filled with 100mm fibreglass insulation with 12.5mm pl.b d and skim. Roof slopes to haver 50mm TS2 Celotex insulation board cut between rafters, and to maintain 50mm air gap above insulation. Provide 30mm Thermaboard. Polythene vapour barrier to warm side of insulation with 9.5mm plasterboard and skim internally. Internal walls 50 x 100mm studwork @ 400mm CRS fixed to 50 x 75mm head and sole plates with 9.5mm plasterboard and skim finish. Staircase enclosure 12.5mm plasterboard and skim both sides for half hour fire resistance.

STAIR:
Maximum pitch of new stairs to be 42□ and minimum going of tapered treads to be 50mm. Width of new staircase to be 700mm. Provide handrail at risk side of staircase at 900mm above pitch line with vertical spindles at max. 100mm CRS.

WINDOWS/VENTILATION:
All windows to be double glazed. Habitable rooms to have trickle vent 8000mm. Proprietary tile/slate vents to promote ventilation equal to 25mm continuous at eaves level and 5mm continuous at ridge level.

basin waste 32mm diameter (upto max. 1.7m, or 40mm for runs upto 3.0m. Provide ani-siphon traps for runs in excess of this

Smoke detectors to be mains powered on a separate circuit and interconnected

1/2 hour fire resistance to be provided to u/side of staircase where over accomodation below

dormer studwork with 100mm Celotex & 30mm thermaboard/6mm skim plaster finish internallyto achieve max 0.30W/m2K u-value

pitched roof @ ceiling level to have 270mm rockwool insulation between & over ceiling joists to achieve max 0.16W/m2K u-value

Staircase to have min going of 220mm and max rise of 220mm to achieve max 42o pitch

floor to have 270mm quilt insultion between & over joists to achieve max 0.22W/m2K u-value

pitched roof @ rafter level to have 100mm Celotex between rafters with 30mm thermaboard /plaster finish internally to achieve max 0.15W/m2K u-value

All doors to protected stair enclosure are to be FD20 fire doors (with frames) with 1.5 pairs of steel hinges & self cloers. Door stops 19x38mm (glued & screwed)

Glazing in crtical areas to be provided with safety glass to BS 6206

Provide counter battens beneath vertical tile hanging to prevent premature corrosion of nail fixings, in accordance with tile manufacturer's guidelines

new flat roof to have 150mm Celotex between joists (plus additional 25mm to u/s of joists to achieve max 0.15W/m2K u-value

provide moisture resistant floor boarding in bathroom

svp to terminate minimum 900mm above any window opening within 3metres

Heating controls to any extension of existing heating system to be in accordance with A.D. part L, i.e. all new radiators to have TRV's, boiler to be operated by a full programmer to enable heating & hot water operations to be timed independently

Energy efficient lighting to be LED light fittings, bulbs, reflectors, diffusers, housing, etc to control light output to have a luminous efficacy greater than 40 lumens per circuit watt

General Notes

	Drg. No. KLD2012/A	
No.	Revision/Issue	Date

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Project: loft conversion	Sheet: 03A
Date: 22-01-25	
Scale: 1:50	