

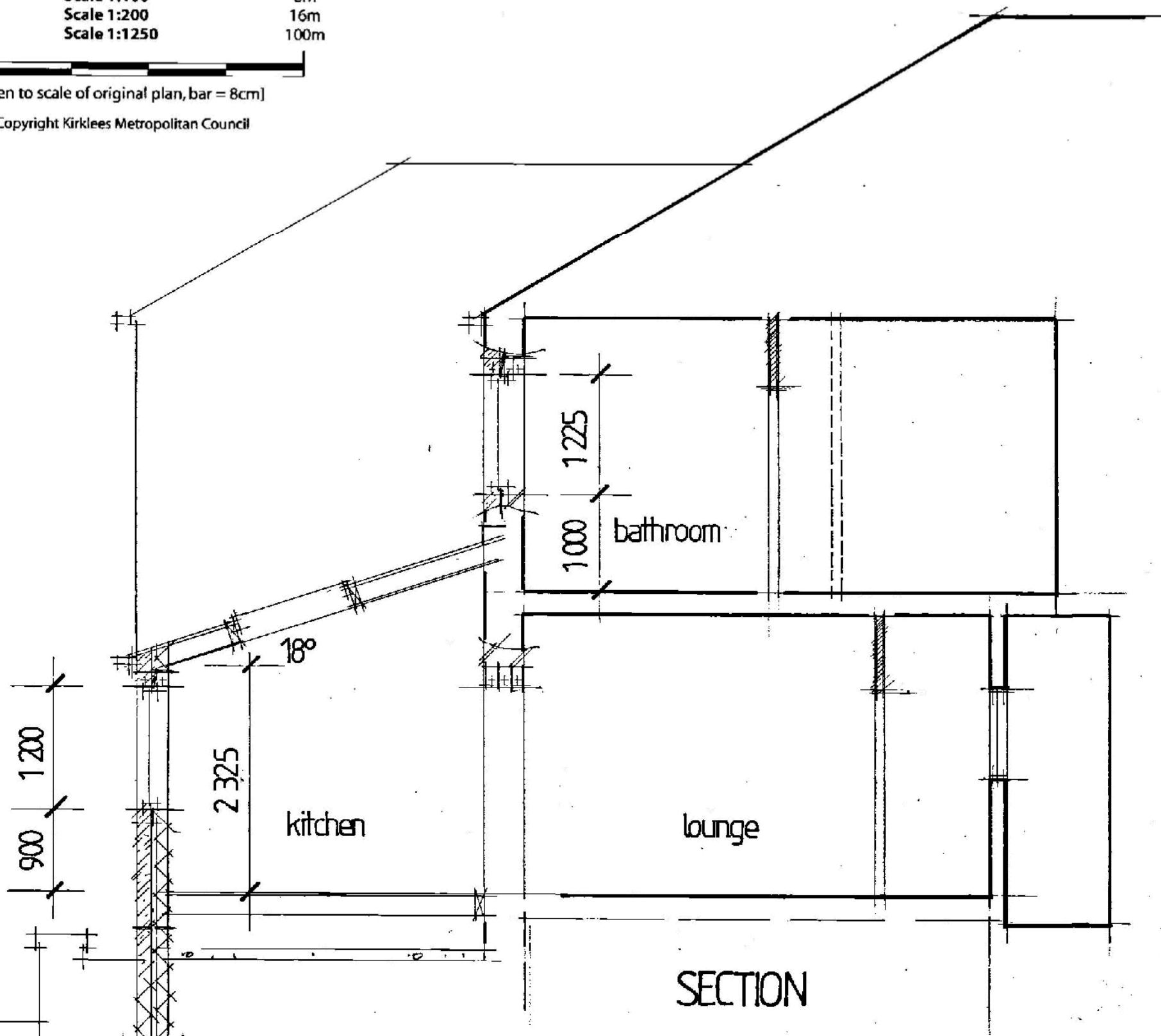
0m
0m
0m
0m

Scale 1:50
Scale 1:100
Scale 1:200
Scale 1:1250

4m
8m
16m
100m

[When to scale of original plan, bar = 8cm]

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SECTION

EXTERNAL WALL

Outer leaf - coursed stone to match existing - 100mm cavity with 50mm Kingspan insulation - and internal leaf of 100mm Stocks thermal block.

Cavity closed at top of wall and around all openings.

DPC to all reveals. Use insulated cavity closers.

Provide wall ties at 750mm horiz cts and 450mm vert cts - staggered and at 225mm vert cts at reveals.

Provide rc stone faced lintels with rc backing lintels and step dpc over to openings.

Provide central stone mullion to new kitchen window.

DPC to foot of wall 150mm min above GL.

600 x 150mm conc strip footing. 600mm min below GL.

Foundations to be stepped down to level of adjoining lower ground floor.

Weak mix conc cavity fill to 50mm below GL.

Investigate alternative foundation design (piles or raft) to prevent damage to boundary wall if foundations are deep.

GROUND FLOOR

19mm t+g flooring grade chipboard on 200 x 50mm sw joists at 400mm cts.

110mm Kingspan insulation between joists. 100mm conc oversite not lower than external ground level.

Ensure 150mm min air gap between u/s of joist and oversite.

INTERNAL ALTERATIONS

Ground Floor

Form opening at ground floor level between lounge and kitchen dining extension - rc lintels over to support full width of wall.

Form stud partition and doorway to cellar head.

First Floor

Take down redundant partitions and form new stud walls as indicated.

Form new window to bathroom in sidewall.

ROOF

Slate to match extg on battens on high performance breather felt on 150 x 50mm sw rafters at 400mm cts.

Pitch - 18° approx.

To sloping sections of ceiling & flat roof provide 110mm Kingspan between rafters and 60mm under (Thermapitch TP10) ensure 50mm air space over insulation.

Provide 2 no. Velux windows with 150 x 75mm sw trimmers.

Provide 13mm air gap to eaves.

All roof timbers to be tanalised.

Provide upstand lead flashing and cavity tray at junction of roof and walls.

Provide ms lateral restraint straps at 1m cts to rafters and wallplate built down into masonry.

Form eaves detail to match extg.

Provide gutters and rwp's as indicated.

KITCHEN

Strip out extg kitchen & provide and fix new kitchen units within extension.

SS sink 38mm dia deep seal trap and waste to discharge to extg back inlet gully.

Mechanical vent to open-air 60lts/sec. Min

BATHROOM

Provide and fix new suite.

WC 100mm dia waste.

Bath 38mm dia trap and waste.

LB's 32mm dia traps and wastes.

All fittings to have deep seal traps.

Waste to discharge to new svp to terminate in Durgu valve above flood level and pass at high level through extension to connect to new external svp to terminate above roof level in bird proof cap.

Mech vent to open air 15lts/sec min with overrun.

WINDOWS

All new windows to be double glazed. 16mm cavity outer leaf low K glass.

Trickle vents 10,000mm² min to all new windows.

Safety glazing to all doors, side panels and windows with Sill ht below 800mm.

FINISHES

Ceilings - 13mm plasterbd and 5mm skim.

Walls - 13mm o/a 2 coat plaster work.

Stud walls - Min. 75mm sw frames with 12.5mm Gyproc wallboard 10 and 3mm skim to both sides and provide 25mm mineral wool in cavity with density of 10kgm³.

FIRE ALARM

Linked smoke detectors to circulation areas on both floors, wired to main fuse board off separate fuse.

DRAINAGE

Assumed layout is indicated - exact details to be agreed on site.

New underground drains to be 100mm dia Hepseal min 1:40 fall.

Provide manholes at all junctions, changes of direction and junction of new and extg drain runs.

Provide back inlet gullies to rwp's and wastes.

Take out and seal all redundant drain runs.

Foundations to be taken down below level of drains.

Provide RC lintels over drains passing through walls. Drains under building to be encased in 150mm min concrete.

All work to be carried out in accordance with the current Building Regulations and relevant Codes of Practice.

BUILDING REGULATIONS PART L Elemental U values

Wall	0.28
Pitch roof - ceiling insulation	0.16
Pitch roof rafter insulation	0.16
Floor	0.18
Windows	1.4
Doors	1.8

Electrics to meet requirements of Part P (Electrical Safety) and are to be designed, installed, tested and certified by a person competent to do so.

All electric sockets to be protected by an RCD.

Low energy light fittings to be provided at a ratio of at least 3:4.

1 SPRINGDALE ST. THORNTON LODGE HUDDERSFIELD

DRG NO 1582-6 SCALE 1:50