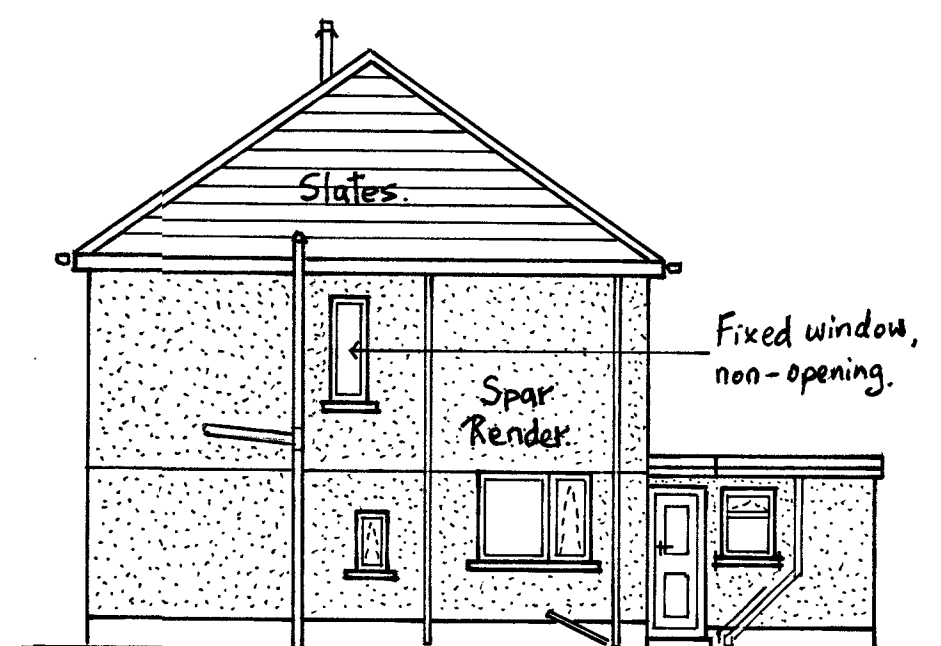




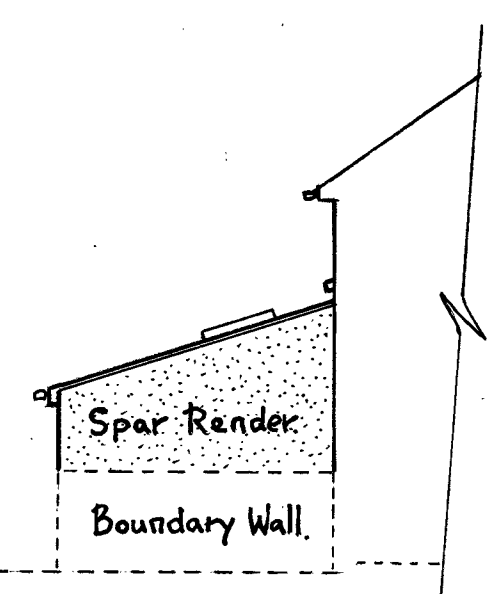
REAR ELEVATION.



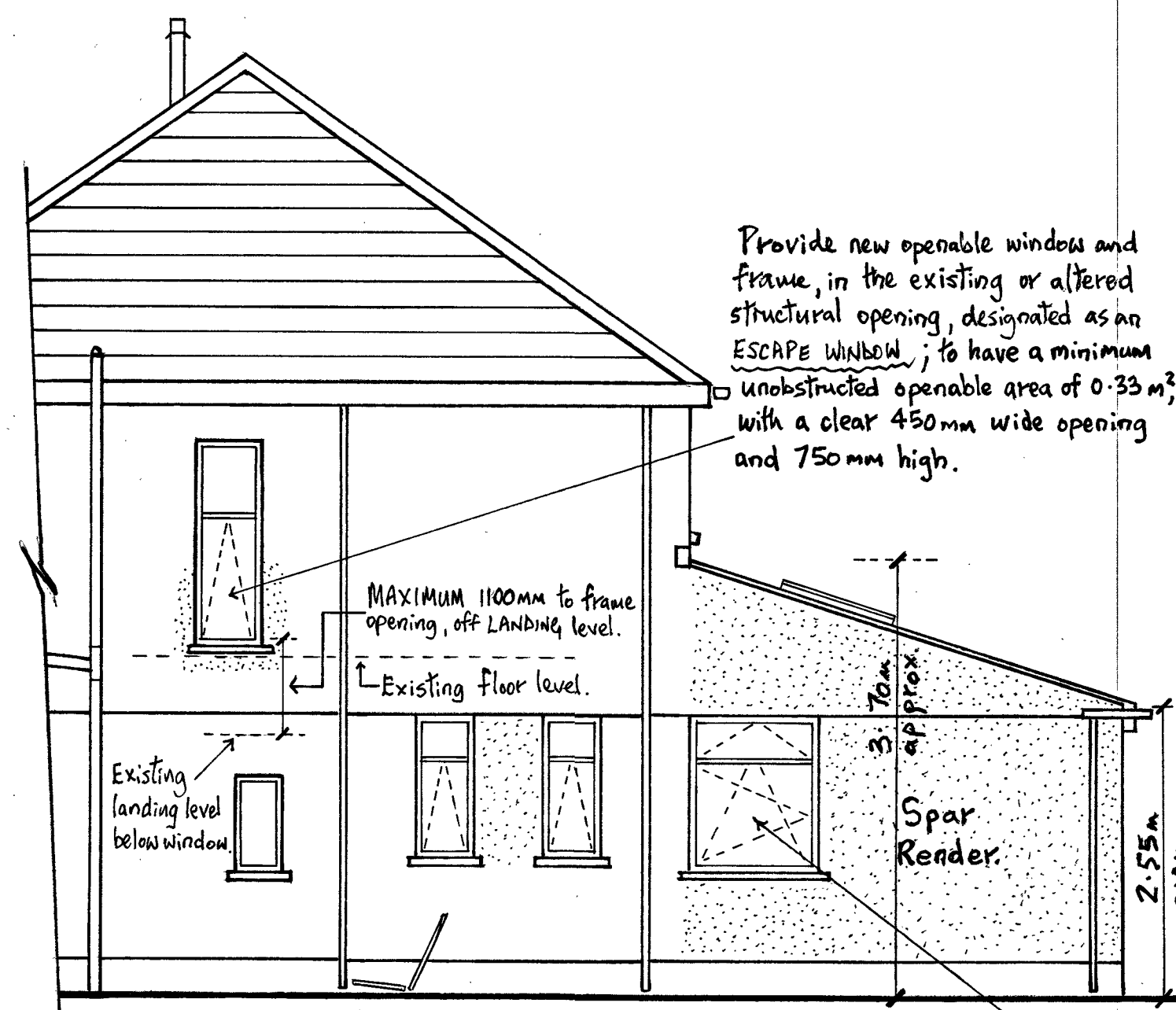
SIDE ELEVATION.



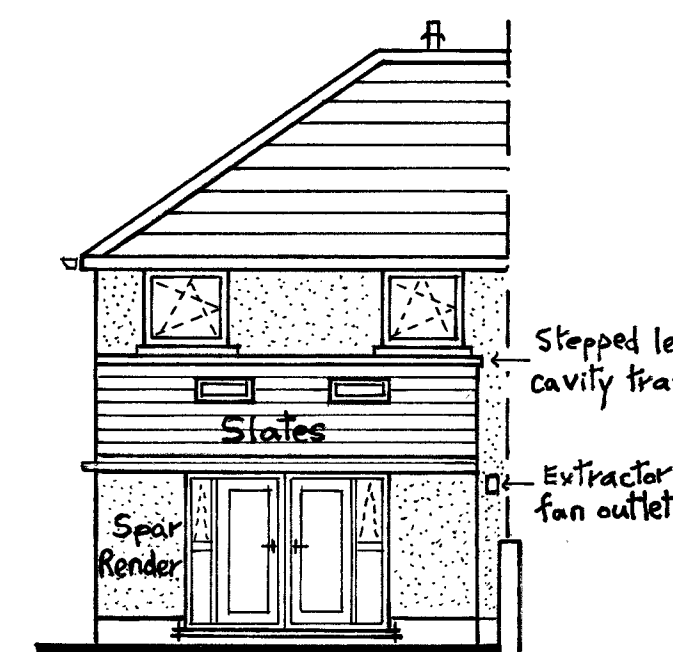
ELEVATION
[facing N° 24.]



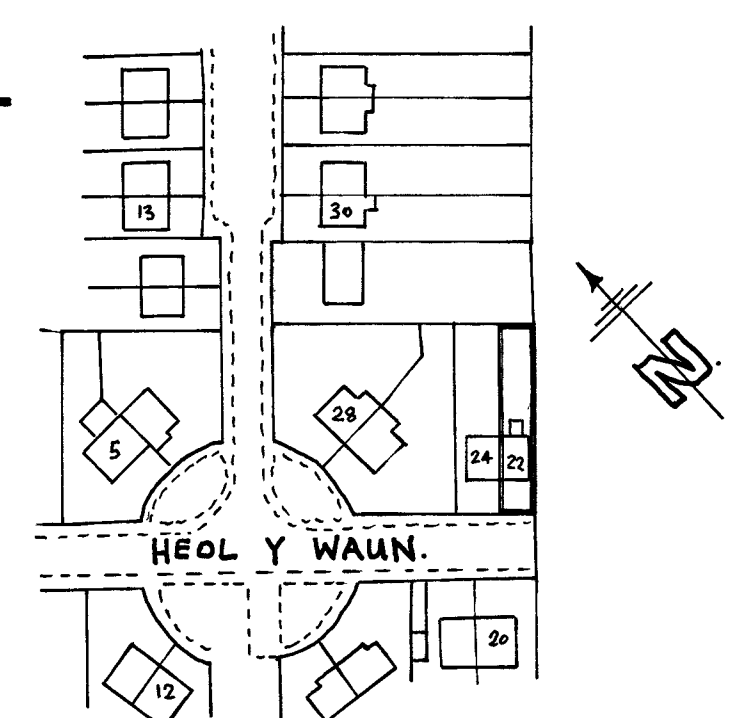
ELEVATION.
[facing N° 24.]



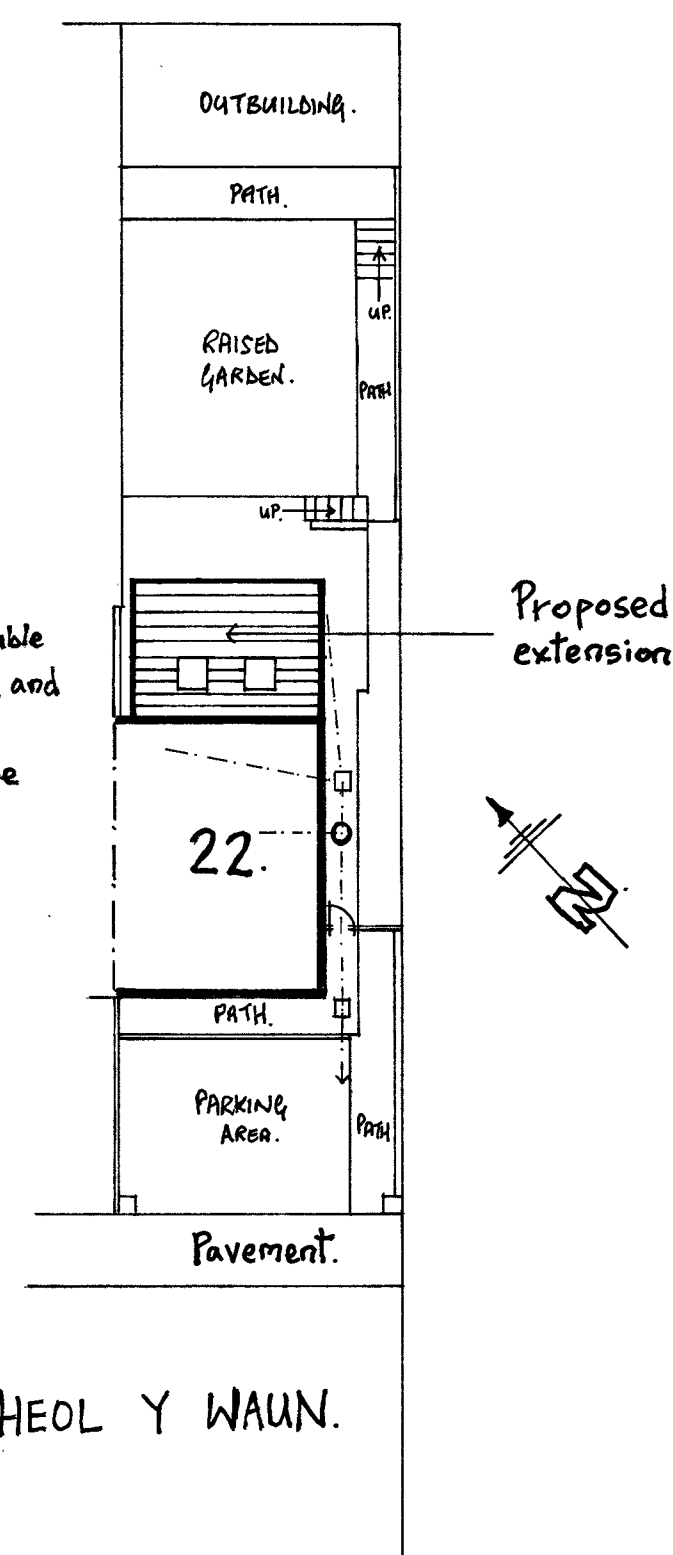
SIDE ELEVATION.



REAR ELEVATION.

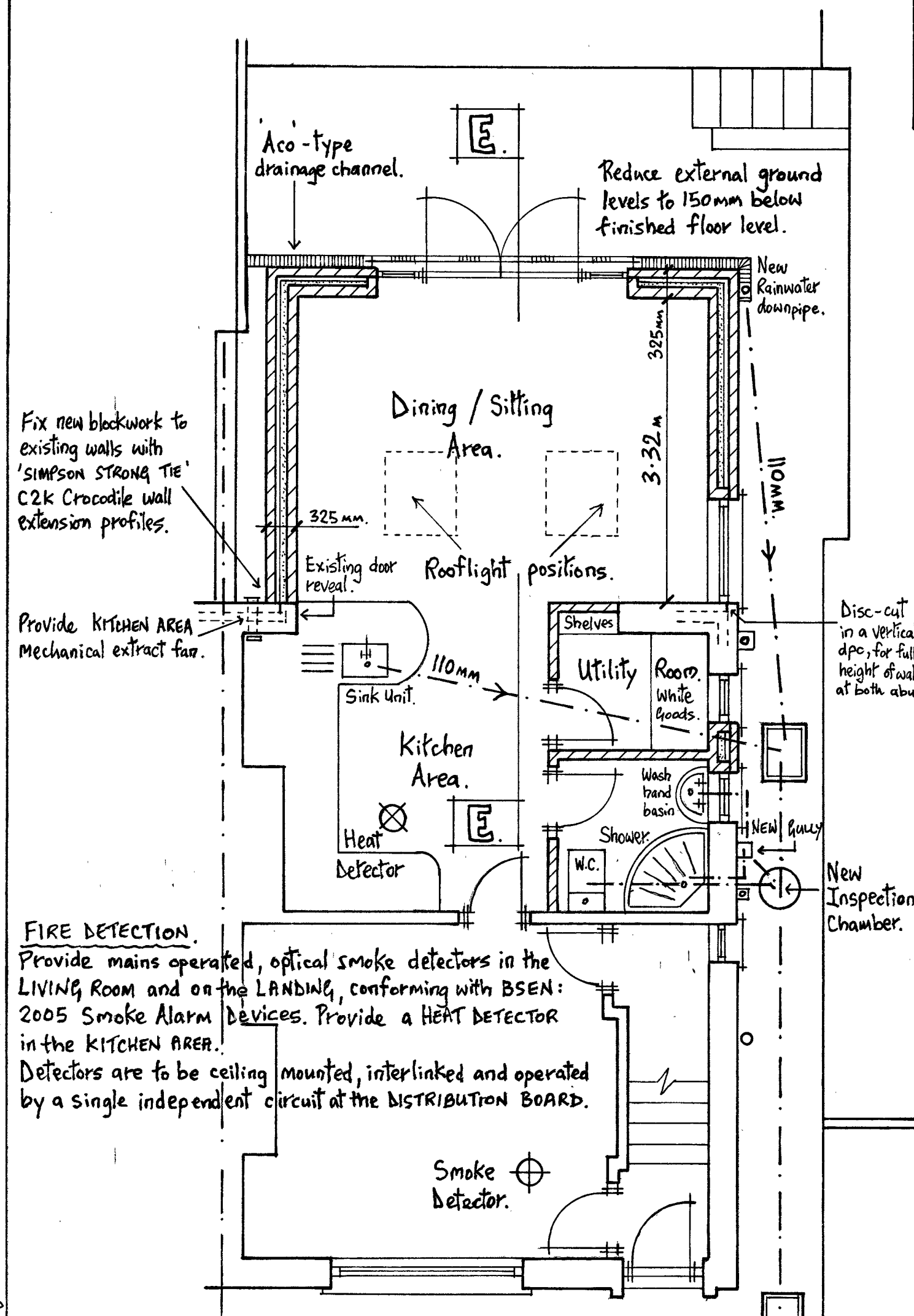


LOCATION PLAN.
SCALE : 1/1250M.

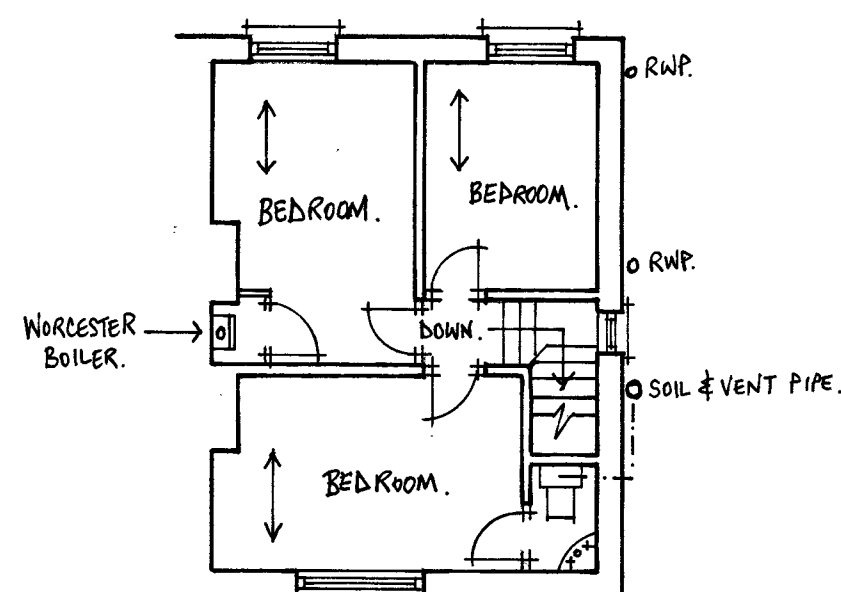


BLOCK PLAN.
SCALE : 1/200M.

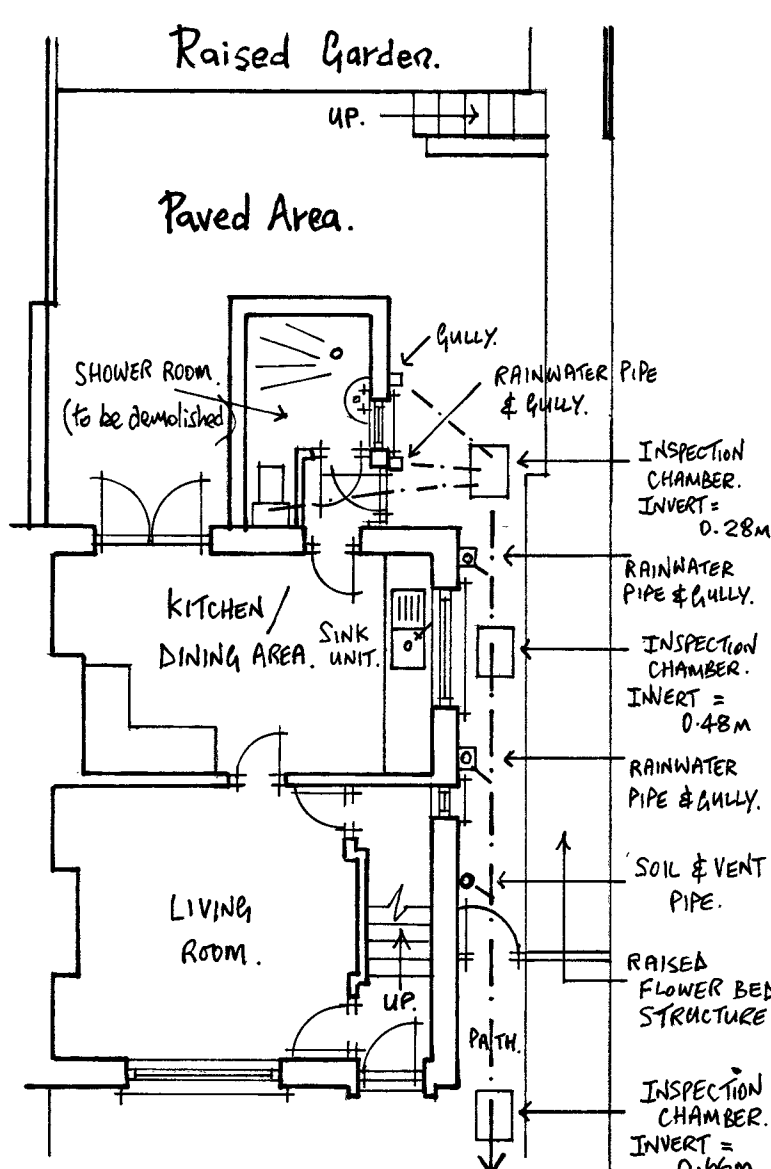
STRUCTURAL STEELWORK.
Provide UNIVERSAL STEEL BEAMS/BOX LINTEL, as shown on SECTION E-E. Steel 'box lintel' or beam provided above patio doors to have MAXIMUM 150mm depth.
Calculations for the design sizes of BEAMS and associated concrete padstones to bear on, built into the masonry, to be provided by a QUALIFIED STRUCTURAL ENGINEER (holding Public Indemnity Insurance).



GROUND FLOOR PLAN.

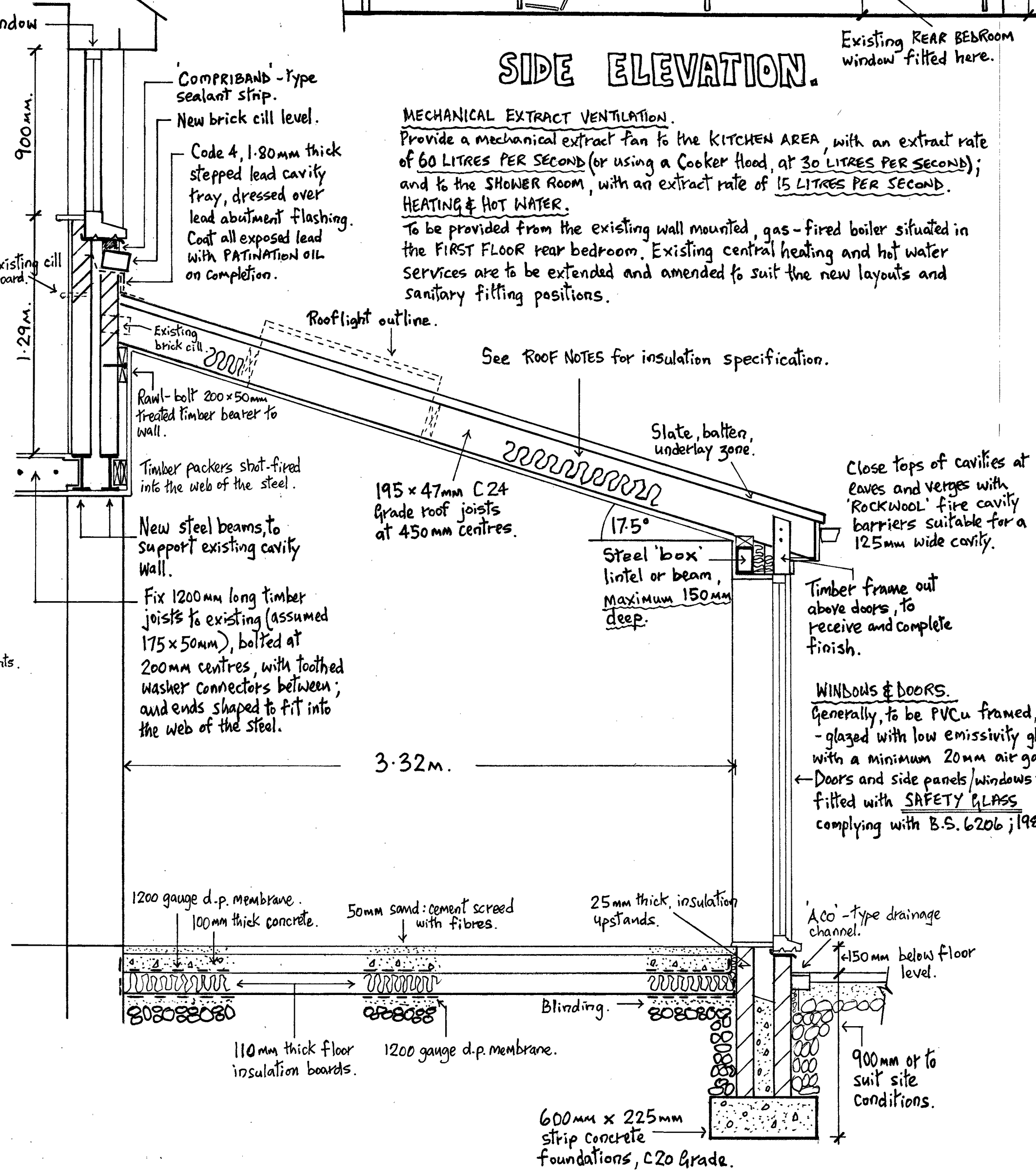


FIRST FLOOR PLAN.



GROUND FLOOR PLAN.

EXISTING.



SECTION E-E.
SCALE : 1/20M.

PROPOSED.

NOTES:
New extension roof to comprise natural slate / cement fibre slates, twice nailed to 50mm x 25mm treated, graded battens complying with BRITISH STANDARD 5534:2014, on 'TYVEK SUPRO' breather membrane underlay.
Beneath underlay provide 38mm x 25mm vertical battening, on 'ACTIS' Boost'R HYBRID insulation quilts, supported by C24 Grade 195mm x 47mm treated timber joists at 450mm centres (between joists provide 125mm thick HYBRIS insulation).
Fit HCONTROL HYBRID quilts to underside of joists, cross batten (38mm x 38mm), 12.5mm plasterboard and skim (U-value $\leq 0.13W/mk$).
Provide 2N° 780mm x 980mm MK04 'VELUX' rooflights, as shown on Drawing.
Above patio doors/side windows, at eaves, install steel 'box' lintel or beam, maximum depth 150mm. At eaves position, joists are to be birdsmouthed and bear on 100mm x 50mm treated timber wallplate.
Vertically restrain the wallplate with minimum 30mm x 5mm [SECTION] galvanised mild steel restraint straps, secured to the inner wall surface and turned over the wallplate, at maximum 1.5m centres.

New extension external cavity walls to comprise 100mm thick dense concrete block outer skin, 125mm wide cavity incorporating 75mm thick 'CELOTEX GA 4000' PIR insulation boards, and 100mm thick dense concrete block inner skin.
Provide 'SIMPSON STRONG TIE' 275mm long WTS2-275 stainless steel wire wall ties, with retaining discs to hold the insulation boards against the inner skin blockwork, at maximum 750mm centres horizontally and 450mm centres vertically, with staggered spacings.
At 150mm back from window reveals, provide wall ties vertically, to every blockwork course.
Install 'HYLOAB' insulated vertical damp proof courses, at abutment of masonry reveals against glazing framework.

New extension floor to comprise 50mm sand: cement: resin fibre screed, on 100mm thick flooring grade concrete, on 1200 gauge damp proof membrane, on 110mm thick 'CELOTEX XR 4000' flooring insulation boards, on 1200 gauge damp proof membrane, on sand blinding, on minimum 150mm thick layer of well compacted, graded, clean hardcore.
Along the inner face of new substructure external walls, provide 25mm thick insulation board, upstands, between wall and face of concrete floor.

RAINWATER DRAINAGE.
Provide 114mm diameter 'HUNTER SQUAREFO' white PVCu guttering for extension roof, discharging via 65mm square downpipe into drainage channel rainwater gully.
INTERNAL WASTEWATER DRAINAGE.
Provide 'OSMA' PVCu waste pipes of diameter 32mm to wash hand basin; 40mm to sink unit; and 40mm to shower.
All sanitary fittings are to be provided with 75mm deep, water seal traps.

UNDERGROUND DRAINAGE.
Foul and stormwater pipes to be 110mm diameter 'OSMA-SOIL' PVCu, with associated new inspection chamber provided on the existing salt-glazed clay foul pipework. Sink waste pipe (40mm) to have a sealed connection to the 110mm underground pipework provided.

PROPOSED EXTENSION
AT 22 HEOL-Y-WAUN,
SEVEN SISTERS,
FOR MR JON WILLIAMS.

WORKING-DRAWING.

DATE	MARCH, 2023.	DRAWING NO.
SCALE	1-50M; 1-100M.	01.