Do not scale off this drawing.
All site dimensions to be checked before work commences.

Top section of existing vent pipe to be replaced with 110mm dia. UPVC and to be fitted with weathering collar to cap roof finish upstand and to have vent terminal.

1.8 type L1/1070 steel lintels to all openings except rear study window and door to study which are to be type L1/570 and front garage door specified below.

Existing 1.8m dia. to ground floor lintels and first floor door opening.

Front ground floor opening to have re-used reinforced concrete 100mmD lintel to inner skin incorporating 6no. 12mm reinforcing bars and 1.8 type L11 steel lintel to external skin.

All lintels to be installed to manufacturers recommendations.

Total length of concrete lintel 2.700.

Suspended floor constructed of 18mm t & g chipboard grade flooring with support to edges and butt joints on 47x170 joists at 400mm cts with ceiling under formed of 9mm Masterboard installed to manufacturers instructions to provide 1/2 hr. fire protection. All edges to be fire stopped.

50mm thick Fibreglass insulation between floor joists.

Expanded metal and plaster seal to base of cavity behind door frame.

Cavity wall constructed of 103mm facing brickwork, 75mm cavity and 100mm dense concrete blockwork with flair faced finish to road side and 11mm sand/cement rendor with 2mm thistle finish to first floor.

Cavity to be insulated from ground floor ceiling level upwards with 75mm Gyproc cavity insulation batts installed to manufacturers instructions.

U value = 0.40 W/m²deg.C.

Damcore insulated dpc. to reveals

U value = 2.W/m²deg.C.

Cavity wall ties to be installed at 450mm cts. vertically and 900mm cts. horizontally with ties installed at 225mm cts within 225mm of reveals.

New windows to match existing and to consist of single glazed wood window frames in timber sub-frames incorporating timber cills.

Door to study to be 1/2hr fire resisting and self closing.

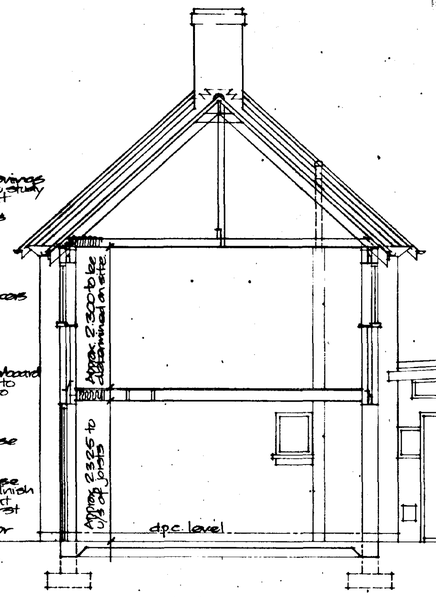
New walls to in-aggregate hyblend dpc. min. 150mm above ground/top of concrete slab level.

6mm Masterboard seals to top of cavity walls.

50x5mm mild steel straps to be installed between walls and roof and floor joists at average 1.800 cts. with straps staggering min. 2no. joists with min. 38x100 noggings under straps to be installed at ceiling level and at slope of roof.

Heating to study to be provided by electric night storage heaters (off peak).

Windows to be fitted with trickle ventilators to provide min. 4000mm² ventilation to study.



SECTION.

New pitched roof constructed of Marley Ludlow Plus interlocking concrete tiles of colour smooth brown on 25x38 counter battens on sarking felt on built up roof structure constructed of:

- 50x150 rafters at 450mm cts.
- 47x175 ceiling joists at 450mm cts.
- 150x22 ridge board
- 75x100 hangers at max. 1350 cts.
- 47x150 ceiling beam built into walls at each end and supported by hangers.
- 50x100 wall plates.

All structural timber to be grade SC3. Interlocking tiles to be installed to manufacturers recommendations.

Code 4 lead flashing between new roof finish and existing gable wall.

Eaves to have o/a projection of approx. 175mm with exposed rafter ends with 18mm thick external quality plywood soffit above rafter line.

150x100 fascia board.

Bypass tile TV 600 roof void ventilator installed between rafters and top of facing brickwork below roof soffit to give min. equivalent of 10mm wide continuous vent gap.

150mm thick glassfibre quilt insulation to be installed between ceiling joists with min. 50mm ventilation gap over.

112mm dia. hr. UPVC gutter with 68mm dia. downpipe.

First floor ceilings formed of 9.5mm plasterboard with artex finish with scrim tape applied to plasterboard edges and craft to walls.

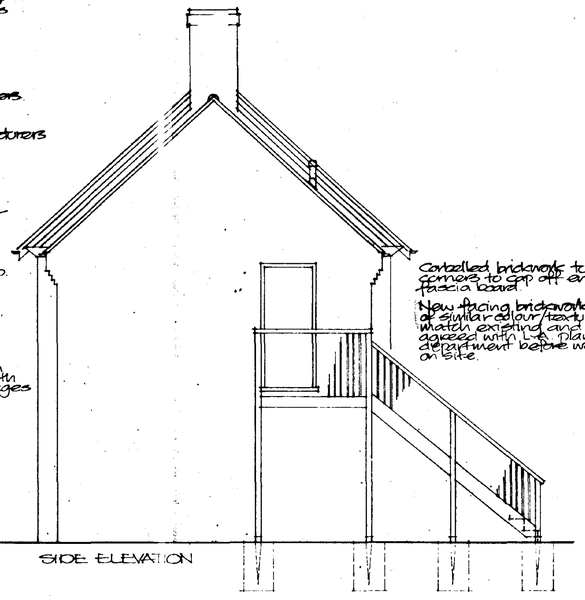
Provide roughcast finish to exposed sections of steel lintels.

Car port floor constructed of 100mm thick concrete slab grade ST4. on 1200 gauge visqueen "inaburene" on min. 150mm hardcore well blinded and consolidated.

Concrete slab thickened to front and rear accesses to approx. 250mm.

Concrete strip foundations to be 225x700 and to be min. 750mm deep (1.000 in shrinkable soil). Concrete grade to be ST4.

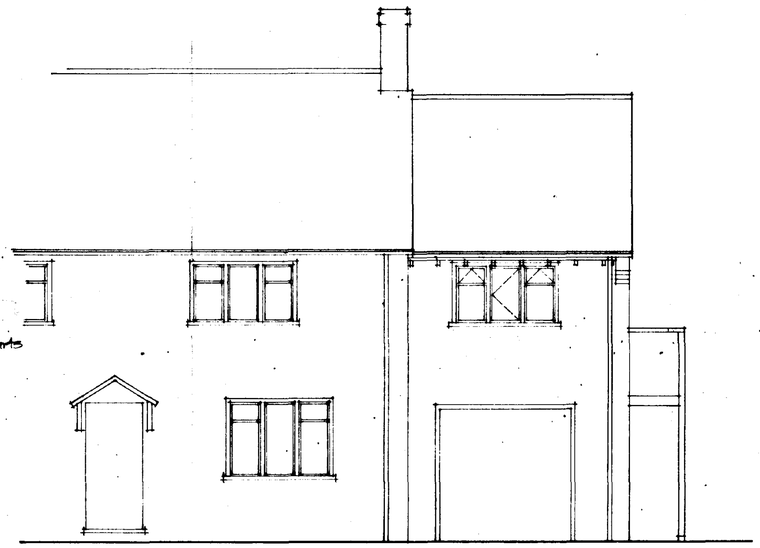
Existing drain passing through wall to be sleeved to leave min. clearance of 50mm and to be capped both sides to prevent vermin entry.



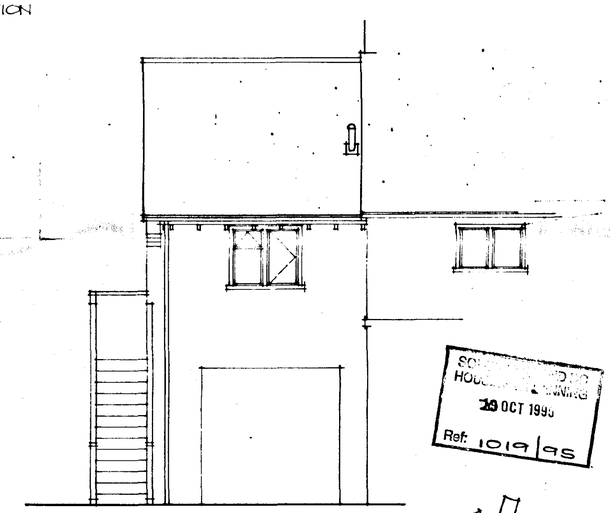
SIDE ELEVATION

Corbelled brickwork to roof gables to cap off end of fascia board.

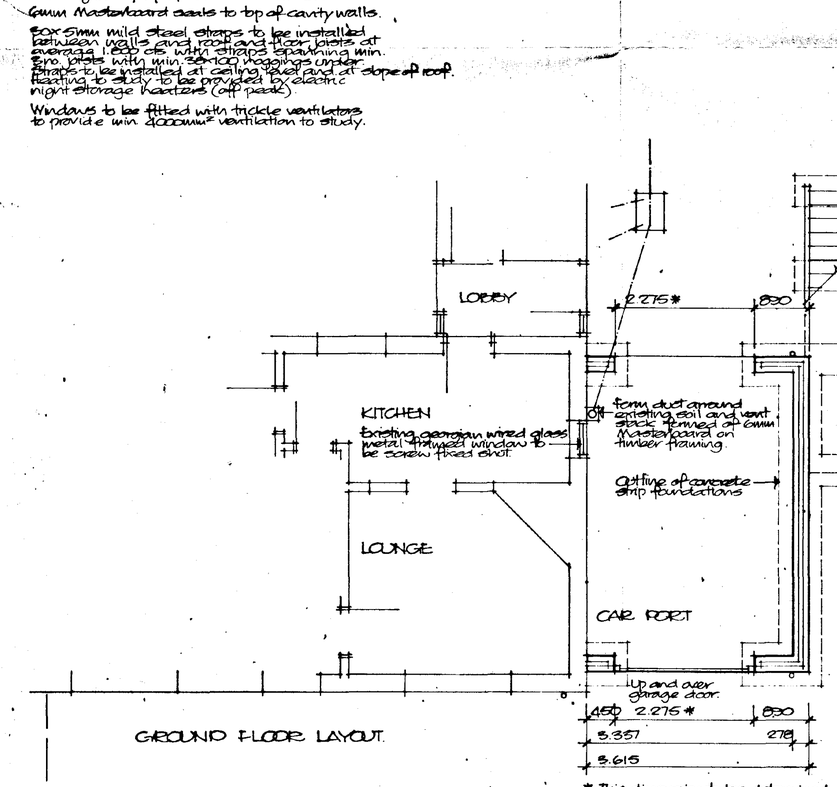
New facing brickwork to be of similar colour/texture to match existing and to be agreed with L.A. planning department before work starts on site.



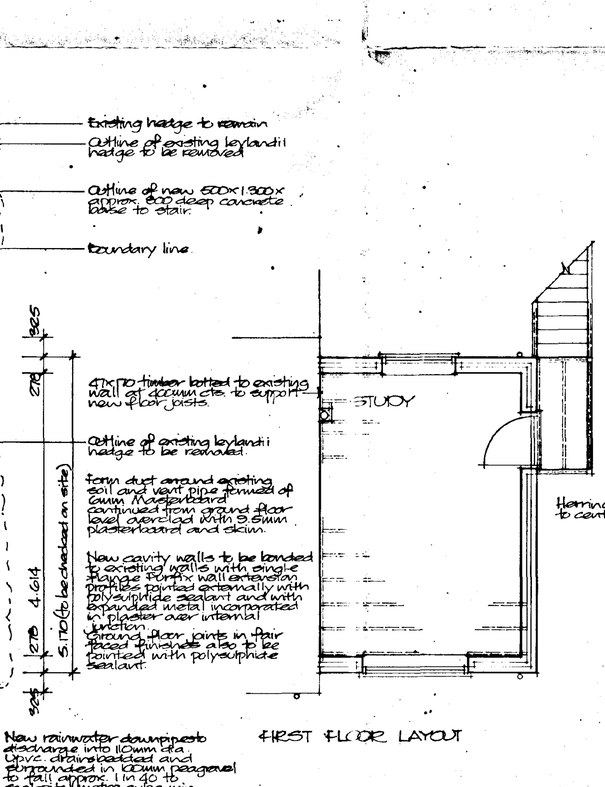
FRONT ELEVATION



REAR ELEVATION.



GROUND FLOOR LAYOUT.



New rainwater downpipe to discharge into 110mm dia. UPVC drainpipework and encased in 100mm pegagrel to fall approx. 1 in 40 to soakpit 1 metre cube min. 5.000 from building.

FIRST FLOOR LAYOUT

New timber stair access to proposed study to be constructed of sawn preservative thinished Celcure treated timber.

Total stair rise approx 2375 giving 15 risers of 162.67mm with 225mm treads.

Handrail to be min. 900mm to stair and min. 1.100 high on landing with vertical balusters giving max. gap of 99mm.

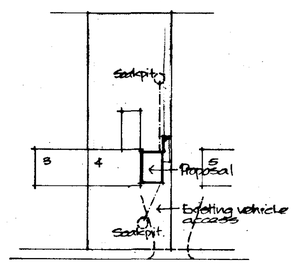
Handrail to be capable of resisting a horizontal force applied to top of 36 kN/m to stair and 74 kN/m to landing.

Support posts to be ex. 100x100 mounted in 150x100x750 Metpost metal shoes post into concrete (grade Landing formed of 38x147 joists (SC3) doubled up at each end supporting ex. 25x150 plain edge boarding with approx. 6mm drainage gap between boards.

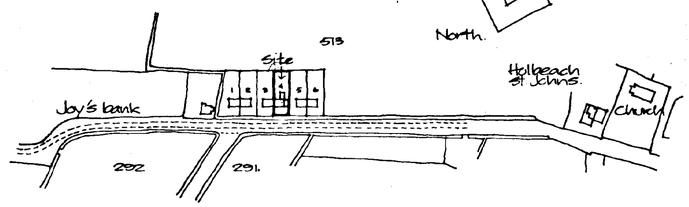
Stringe to stairs to be ex 38x225

Stair to have open risers with max. gap of 99mm

Herringbone strutting to be installed to centre of floor joist span.



BLOCK PLAN
Scale 1:500



LOCATION PLAN
Scale 1:2500

SOUTH HOLLAND DISTRICT COUNCIL
29 OCT 1995
Ref: 1019/95

North.

Amendment
'A' October 95 — Pitched roof to replace flat roof at request of L.A. planning department.

Project
PROPOSED EXTENSION TO HOUSE AT 4 CHURCH SITE, JOY'S BANK, HOLBEACH ST. JOHNS.

ALAN HORNSBY
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Client
MR. P. LAWRENCE

DETERMINED

Scale 1:50
Date May 95

Drg. no.
95/21/01 A

AM ADMEL 230