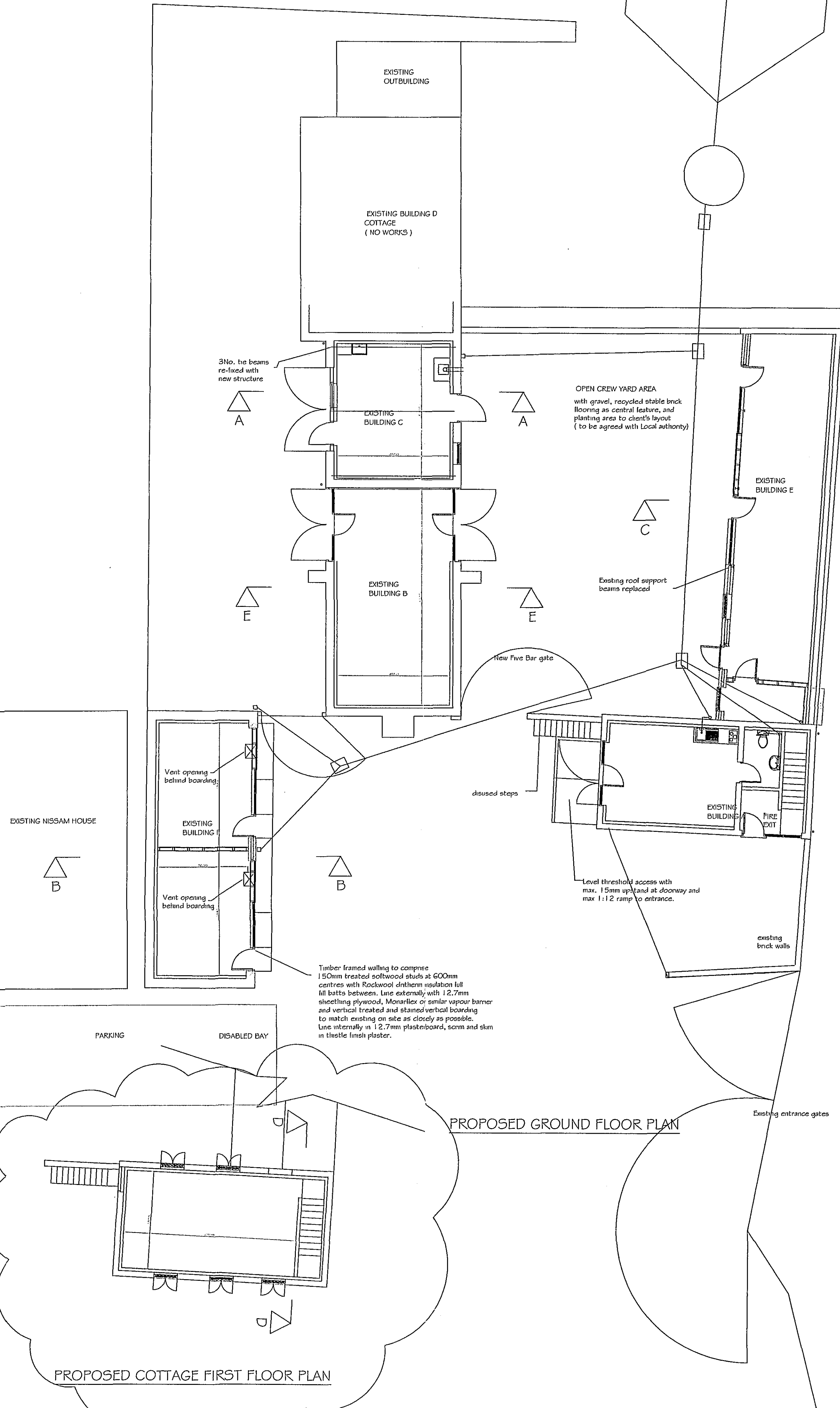


CHECK ALL DIMENSIONS AND DO NOT SCALE



CONSTRUCTION NOTES

FOUNDATIONS

To be Concrete (1:2:4 mix - 20mm aggregate)
600 x 225mm below cavity walls.
Depth to be provisionally 1000mm below external ground level and to be agreed with Building Control Officer, on site.
New foundations to be tied to existing with R12 x 900 Steel bars dowelled in at 200mm centres.

SUBSTRUCTURE MASONRY

Build off foundations up to damp proof course in Type A 100mm solid concrete block work, laid in stretcher bond in cement mortar (1:1.3), in two skins with 100mm concrete filled cavity between leaves under external walls, and single 100mm skin under partition walls.

At ground level provide three courses of facing bricks laid stretcher bond, in cement mortar (1:1.3).

Provide p.v.c damp proof course full width over all substructure block walls/leaves at 150mm above external ground level lapped with d.p.m to floor slab.

FLOOR CONSTRUCTIONS

All as shown on sections.

SUPERSTRUCTURE MASONRY

External cavity wall to have 102.5mm re-damed red facing brick outer leaf; 100mm Crown Dearth insulation, bed cavity; and 100mm Tarmac Hemette Type B 3.5Nsq.m block inner leaf, in stretcher bond, in gauged lime mortar (1:1:6). All work to be kept plumb, level, and clean, as work proceeds. This Construction gives 0.35 U-value.

The first run of 200mm stainless steel safety wall ties to be located at 600mm centres horizontally (at a level 375mm above ground level). Subsequent runs of wall ties to be at not more than 900mm centres horizontally, or as otherwise required by the structure, and at 450mm vertically. Extra ties to be placed at 225mm vertically to jambs of openings 150mm inset from reveals.

LINTELS AND OPENINGS GENERALLY

Lintels over external openings to have cast in situ concrete backing lintel with brick arch detail as exists on Building A.
Internal 100mm walls will have 100 x 65mm pre-stressed Spanite or similar concrete lintels with at least 150mm end bearing and brick block units laid stretcher bond over to bond in with standard block work around.
All lintels to be selected, designed and installed in accordance with manufacturers recommendations.

All cavity walls to be closed at reveals and cills with insulated core pvc Thermabloc cavity wall closer system. Cills to have 25mm mud window board or tiled cill.

RAINWATER DRAINAGE ABOVE GROUND

Black painted aluminium 110mm half round gutter on screw fixed rafter arm brackets at 900mm centres and at outlets and angles with 65mm round aluminium down pipes with screw fixed brackets at 1.5m centres.

VENTILATION

Windows to have 250 sq.m background ventilation per 10 sq.m floor area in trickle vent in head of windows or supplemented with wall mounted air bricks.

Provide an extractor with 30 l/sec. capacity to kitchenette hob and extract fans of 6 l/sec to Toilets.

HEATING/HOT WATER

To be off peak Economy 7 electric convector storage heaters rated to suit each work area.
Hot water generated locally with on demand undersink electric water heaters.

WINDOWS

To be replacement Pilkington k double glazed sash windows, custom made to match existing style as closely as possible in treated stained softwood.

STAIRCASE

Softwood stair flight to have 207.5mm risers and 230mm going on closed plywood risers with MDF bullnosed treads. Handrail one side to be 900 above pitch line and 1100mm high above landing level. If space under stairs used as storage then the soffit of the flight to be fire protected to half hour rating in 12.7mm plasterboard and thistle finish.

FIRE EXIT DOORS

To be plywood, flush painted, in painted softwood frames and complete with panic latch, 'FIRE EXIT KEEP CLEAR' sign outside and 'PUSH BAR TO OPEN' sign inside on/above bar. Door is to have external panic override locking knob for external access to workshops upstairs.

FIRE WARNING AND EMERGENCY LIGHTING

An emergency fire detection and alarm system to be designed and installed to IEE regulations and BS 5839-1 and recorded and provided for BCO approval. Separate emergency call point to be provided in Disabled W.C. and systems put in place to assist any disabled person in fire action planning.

FOUL DRAINAGE

Construct new inspection chambers with 600mm diameter p.v.c. sectional chamber, bedded and surrounded in 150mm concrete (1:2:4-20mm) with pedestrian grade double seal galvanised steel manhole cover and frame set in mortar flush with paving slab.
Drain connections in 110mm diameter p.v.c. laid to 1:80 self cleansing falls, bedded and surrounded in pea gravel. Trench made good in hardcore and concrete paving over.
Back inlet gullies to be pvc, roadable and trap sealed with mesh grid tops. System to be pressure tested on completion.

Above ground drainage to be collected from adjacent sanitary ware into a 110mm diameter drainage one way vented stub stack/corner of rooms.
A 110mm dia. soil stack to be installed, which is vented with bird guard 600mm above highest operable window level.

SEPTIC TANK/BIODISC TANK

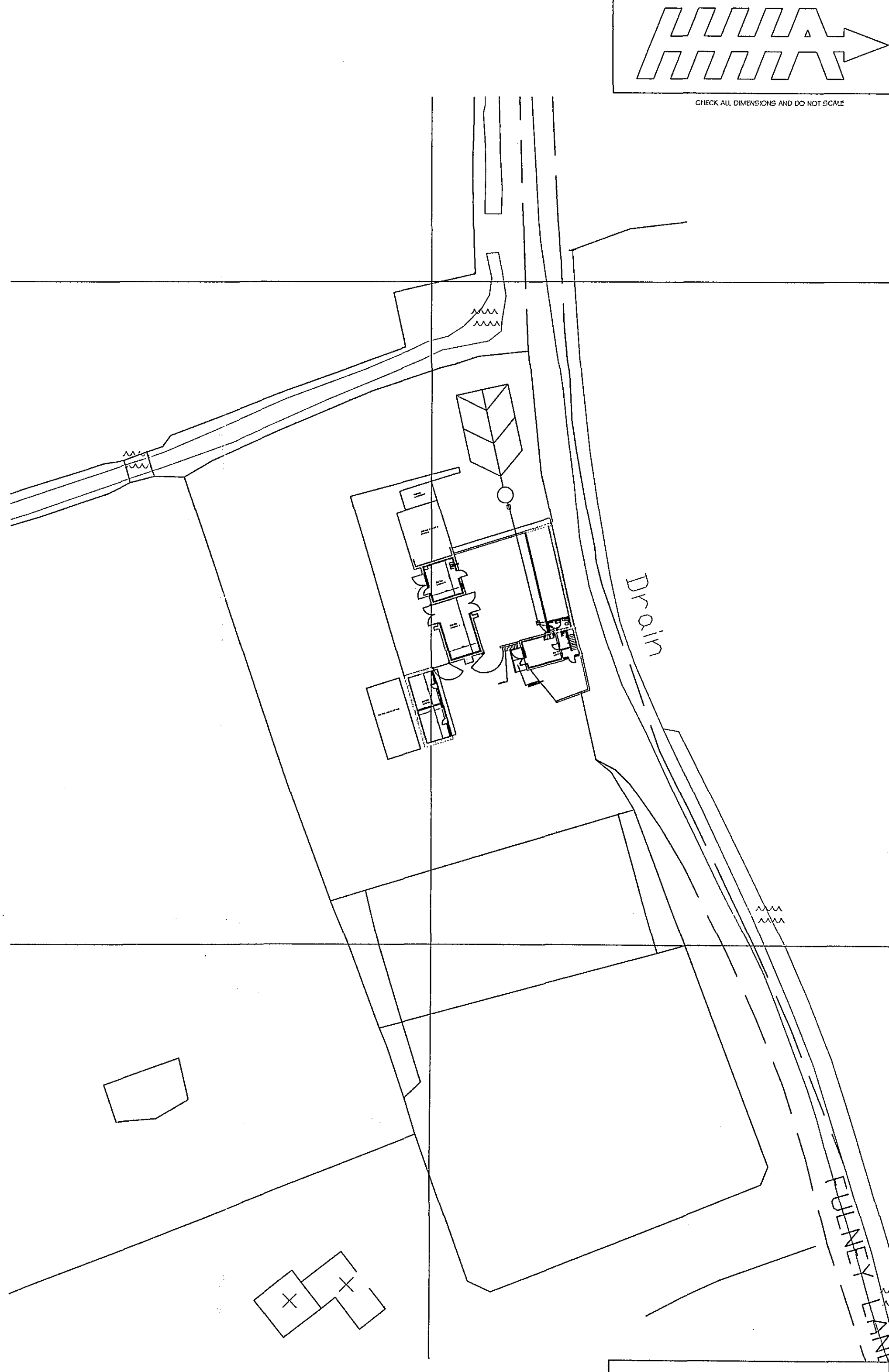
Carry out percolation testing and demonstrate to building control officer that ground conditions are suitable as in BS 6297 and Klargester design data sheet TD60005.
Install a Klargester or equal approved 2720/2800 litre 180 litre per day for 4 persons on normal usage, all in accordance with Klargester installation details sheet TD60006.
Should the percolation test not prove effective - then a Biologic alternative will be provided, subject to consultation with Building Control Officer.

RAINWATER DRAINAGE BELOW GROUND

Connect into existing rainwater drainage system if soakaway is over 5m from new extension. Provide new soakaway if existing is inadequate comprising 1.25 cubic metre of clean hardcore in pit filled to 300 below ground covered with polythene, 250mm g to 300 bFood topsoil and turf flush with existing.
Drain connections in 110mm diameter pvc laid to 1:100 falls, bedded and surrounded in pea gravel. Trench made good in hardcore and concrete paving or grassed over. Use rainwater pipe to 110mm diameter drain adapter at connection.

INTERNAL WALLS

All new internal walls to be constructed in 100 x 50mm sawn softwood studding with head, sole and intermediate noggin at 1200mm centres vertically and at fixing requirements. Framework clad in 12.7mm plasterboard with scum taped joints and 5mm Thistle multi-finish plaster.



SITE PLAN 1:500

SHED
PLANNING & DEVELOPMENT
13 MAR 2007

Ref. 0327/07

DETERMINED
PLAN

REVISIONS
A - 14/12/06- Alter WC arrangements
B - 17/1/07- Alter Entrance frames to Building A, B, & F. Alter staircase to comply, and add level threshold access to meet part M regulations.
C - 1/2/08 - Elevations altered and plan to suit.
D - 25/2/07 - Drainage added and doors amended

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Project

PROPOSED ALTERATIONS
TO PREMISES FOR
MRS C. GOODWIN
AT LOW FULNEY
SPALDING
Lincs.

DATE DRAWN: OCT 2006

DRAWING NO: 71/06/3D

SCALE: 1:100