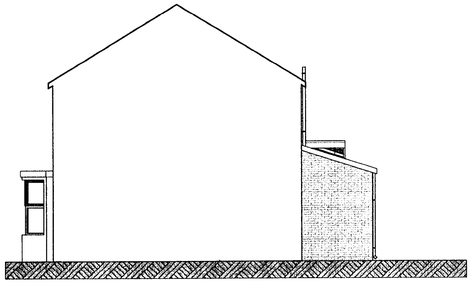
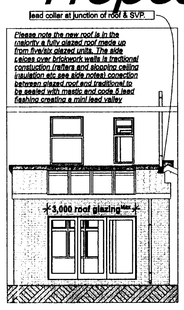
Notes:- This drawing is COPYRIGHT no copy or alteration may be made without our prior permission

DO NOT SCALE FROM THIS DRAWING FOR SETTING OUT OF WORKS

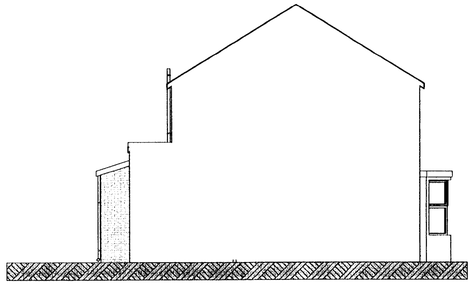
Proposed



Side



Rear



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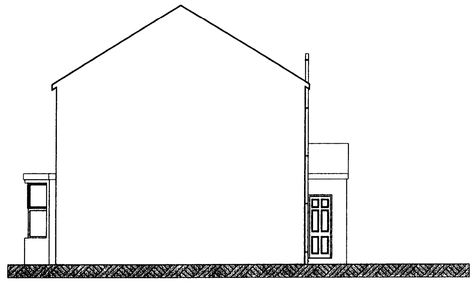
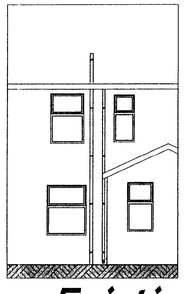
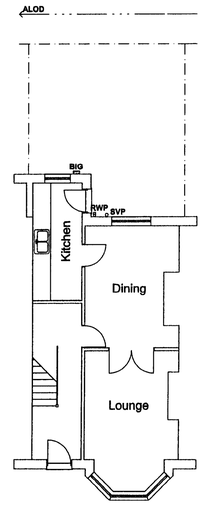




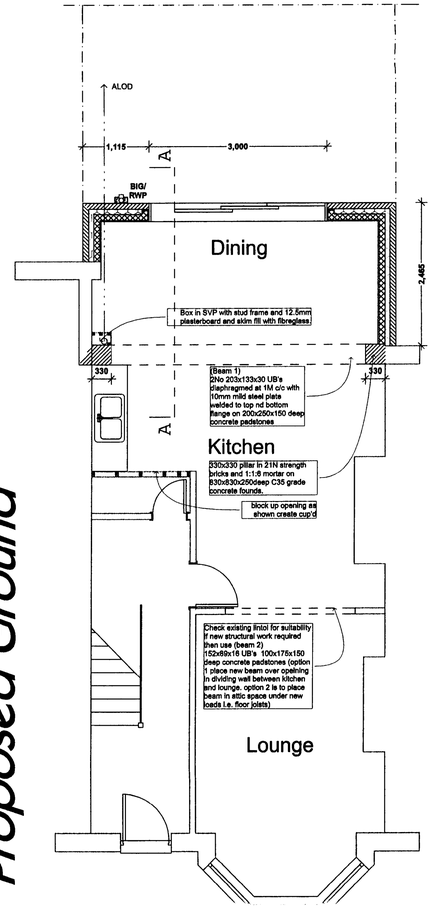
Existing

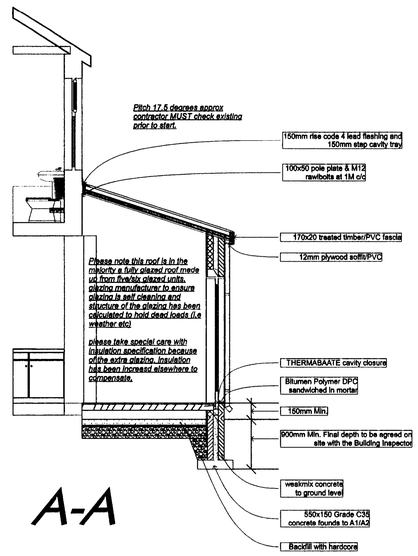
ALOD

Existing Ground



Proposed Ground





A-A

Rev.	Date	Description

ANY ELECTRICAL installation undertaken by someone who is not registered with NICEC or ECA, must provide an installation certificate together with a test certificate prepared by a member of NICEC or ECA

The proposed domestic electrical installation will be installed in accordance with BS7671 and the current 16th edition of the IEE regulations. Best practice as endorsed by these regulations will be applied on site

DESIGN POINTS:- The following specification is for domestic installations in houses and extensions. Ring main power circuits can include sockets to clients spec up to a maximum 100M2 floor area.

The Kitchen will be serviced by in independent radial circuit using 4mm cable protected with a 20amp MCB. Fixed fittings connected via fused spur box.

A Cooker control panel will be provided and installed using 10mm cable protected with a 40amp MCB

Any External lighting and sockets that are outside the Equipotential zone primarily for external use. Will be wired back to a 13amp spurred socket protected by a RCB

All cables will be positioned in suitable safe zones running vertically or horizontally from switches and power points, or within 150mm of room corners.

Earthing and bonding will be provided adjacent to fixed fittings including showers.

LIGHTING POINTS:
1 in 4 or 1/25M2 of all new light fittings (those which are expected to be the most used) are to have fittings that will only accept bulbs with a luminous efficacy of greater than 40 lumens/circuit watt

1) **This drawing is for statutory approvals only.**
2) **all work to be carried out in accordance with the Building Regulations and all other statutorylegislation to the satisfaction of the local authority inspector. All materials and workmanship is to comply with the appropriate codes of practice and british standards.**
   All Dimensions are in millimeters unless stated otherwise.
3) **The contractor MUST check all dimensions and particularsprior to commencement of work.**
   All Structural Elements (Walls, Lintols, Foundations ETC.) affected by new work are to be exposed by the contractor and checked on site by the Local authority prior to start to confirm ability to sustain new loadings
4) **CONSTRUCTION, DESIGN AND MANAGEMENT REGULATIONS 1994**
   Contractor to notify Health and Safety Executive prior to start of work with a copy of notification to the Contract Administrator. Contractor to provide a copy of the Health and Safety Policy Statement to the Contract Administrator where appropriate
5) **All new skirtings/architraves to match existing,unless stated otherwise by client**
6) **All electrical installations to IEE Regulations, GAS Installation to be to 'Gas Safety' (installationand use) Regulations**
7) **PARTY WALL ACT: where there is encroachment on neighbours property or building within 3m or 6m of the adjacent Property, then permission MUST be obtained under the act.**
8) **BOUNDARIES as shown are the fence lines and not necessarily the exact boundary.**

FLOOR CONSTRUCTION

GROUND FLOOR

150x20 T&G floorboards on 50x150 joists at 400c/c. 150mm airspace under joists to 100mm oversite concrete on hardcore, well compacted. 110mm CELOTEX GA3000Z floorboard spiked between joists.

WALL CONSTRUCTION

Matching 102mm facing bricks, 85mm cavity with 5no Double drip triangle type, stainless steel brick ties/m2 and every 300 around jambs. Lay 85mm CROWN DRITHERM full fill cavity bats in cavity next to 100mm THERMALITE SHIELD blocks, 9.5mm plasterboard and skim on dabs. All to give a U-Value of 0.30 W/m2K.

Lintols to internal WAlls: NAYLOR R6 100x145 concrete lintols

Tie all new work to existing with continuous cavities.Seal cill and reveals with SHIELD blocks

In Kitchens, Utilities, Bathrooms and en-suite's, use moisture resistant boards by GYPROC (GYPROC MR, DURALINE MR or SOUNDBLOC MR dependeing on requirement)

Common bricks to founds
CATNIC CG70/100 or CGH70/100 lintols over externall wall openings with 150mm end bearing and weepholes every 4th perpend

ROOF CONSTRUCTION

SLOPING CEILING
on 35x25sw battens on PROCTOR DANTEX ROOFSHIELD breathable roof tile underlay on 50x150 rafters at 400ctrs tied at 9m ctrs with 30x5 galvanised ms straps to gable, turn strap over uncut block in cavity and over 50x50 nogging between 3 no. rafters. Tie rafters and wallplate to wall at eaves with 1m longx30x5 galvanised ms straps at 2m ctrs vertically down wall and connect rafter to wallplate with truss clips. Lay 100mm CELOTEX GA3100z between rafters, ensure 50mm airgap over. Add 40mm CELOTEX GA3040z under and visqueen vapour check, with 12.5mm plasterboard and skim. All to give a U-value of 0.21W/m2K

GENERAL NOTES

THERMABATE DPC to all jambs. (sicle and cill)

All structural timber to be treated and SC3 grade. (unless specified otherwise)

Background ventilation is as follows:-
8000M2 min equivalent area in each habitable room. 2,500M2 min. equivalent area in each wet room. The ventilators should be located at least 1700mm from the floor and 500mm from any extract fan required.
Under cut each door a min. of 10mm above the floor finish.

Windows to open 5% of the floor area, if the window opens more than 30degrees, or 10% for under 30 degrees Thermabate DPC to all brickwork jambs (sicle and cills). Draught seals are to be fitted on all openable elements of doors and windows, which are to be made of timber or PVC. Use double glazing units with a minimum 18mm ARGON FILLED air gap and PILKINGTONS SUNCOOL CLASSIC (ALL NEW GLAZING INCLUDING ROOF PANELS)

All exterior doors are to be a thermally efficient door as described in L1B of Building Regs(2.2 W/m2.K). Any glazing as per window standard.

Where a new loft access is to be fitted. It is to have draught seals and a catch.

All glazing in doors and screens, windows adjacent to doors and windows below 800mm cill height. Are to have fitted class C toughened glass to BS 6206 and marked

Cover all steel beams in 12.5mm Fireline board and skim

HEPSEAL 100mm Salt glazed or 110mm Plastidrain pipes to fall at 1 in 40, beckded on 100mm thick pea gravel (10mm nominal size). Where drains are within 1M of the building take the founds down to invert level. Where drains are under building cover in 150mm of concrete. Take founds to invert level and insert 2no 100x150 RC lintels over where drains pass through walls. All to BS8301

Mini Chamber300dia approx in Polypropylene. Max depth 600mm (SDAC1/1 by HEPWORTH)

New SVP in 100mm dia. PVC. Vent to finish 1M above casement openings, with cage on top and roding plete at base. No other connection to be closer than 900mm to the WC branch

All sanitary pipe work to be to BS 5572:78. Hot and Cold water supply to be fitted to all sinks, wash basins, baths or showers.

RAINWATER GOODS: 112mm dia
PVC guttering to run into 68mm PVC downspouts and into trapped access gullies

NOTE: All drain runs that are shown are assumed. The contractor should identify all drain runs as work commences and inform either the Local Authority Inspector and/or the architect, if there are any differences. Where any new drains have to go onto adjacent property, then permission must be sought from the owner.

Fit extract fan to Kitchen to give 60 litres/sec. extraction rate, or use a fan adjacent to the hob with 30 litres/sec extraction, operated by a remote switched spur and vented to outside air

SERVICES: All services (Gas, water, electric etc.) to be enclosed in a suitable duct. So if required future removal is possible.

The extension of the heating system, is to incorporate: zonal timing and boiler interlock controls as detailed in Building Regs L1. With thermostatic valves to each radiator.

ELECTRICAL SPECIFICATION ESSENTIAL DESIGN
POINTS:- The installation will be designed, installed, inspected and tested to the standards required by PART P of the Building Regulations. A competent Electrician (as described in PART P) will undertake the work and an installation certificate will be provided.

Prior to commissioning, the installation will be tested by an electrician competent in testing and holding a suitable qualification. All testing is to be a comprehensive test, including tests for continuity and earth loop impedance.

Goodchild Architectural

Chartered Architectural Technologist

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079-00-00-00-45



Scale: 1:50 1:100	Client: Mr C Parker
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Dwg. No. 5123 Rev.	Title: SINGLE STOREY EXT