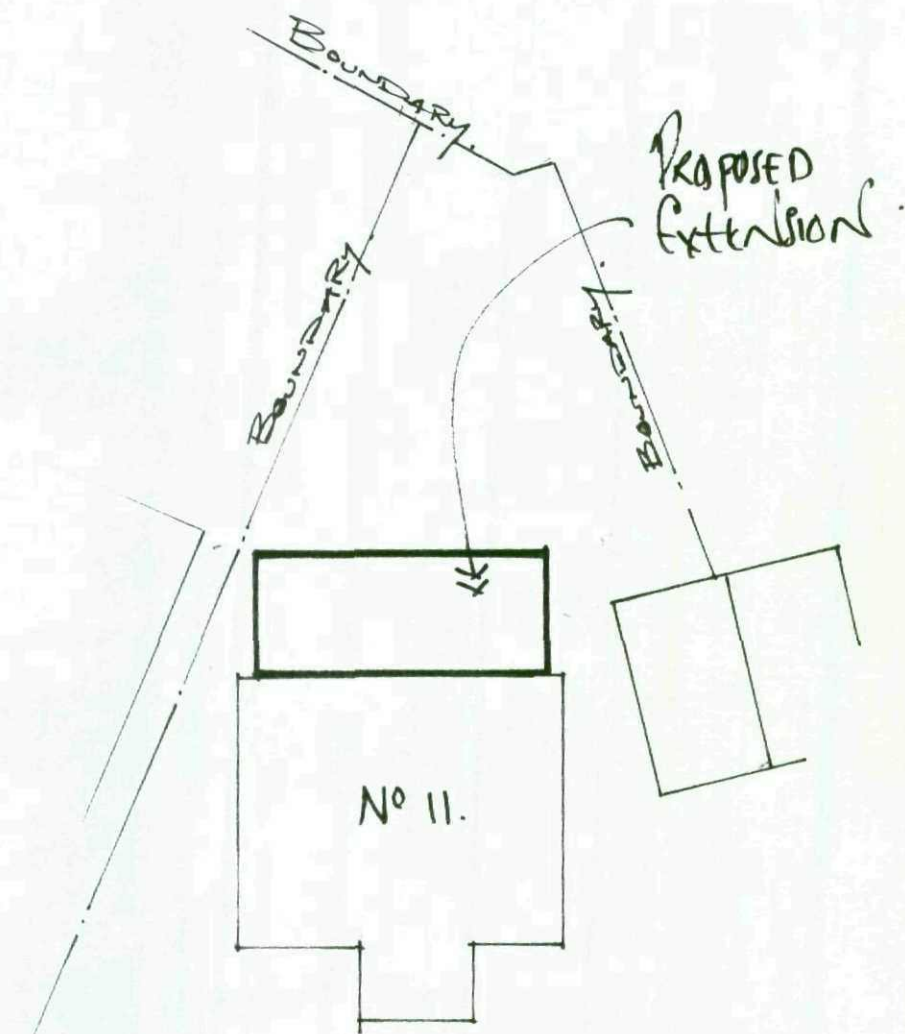
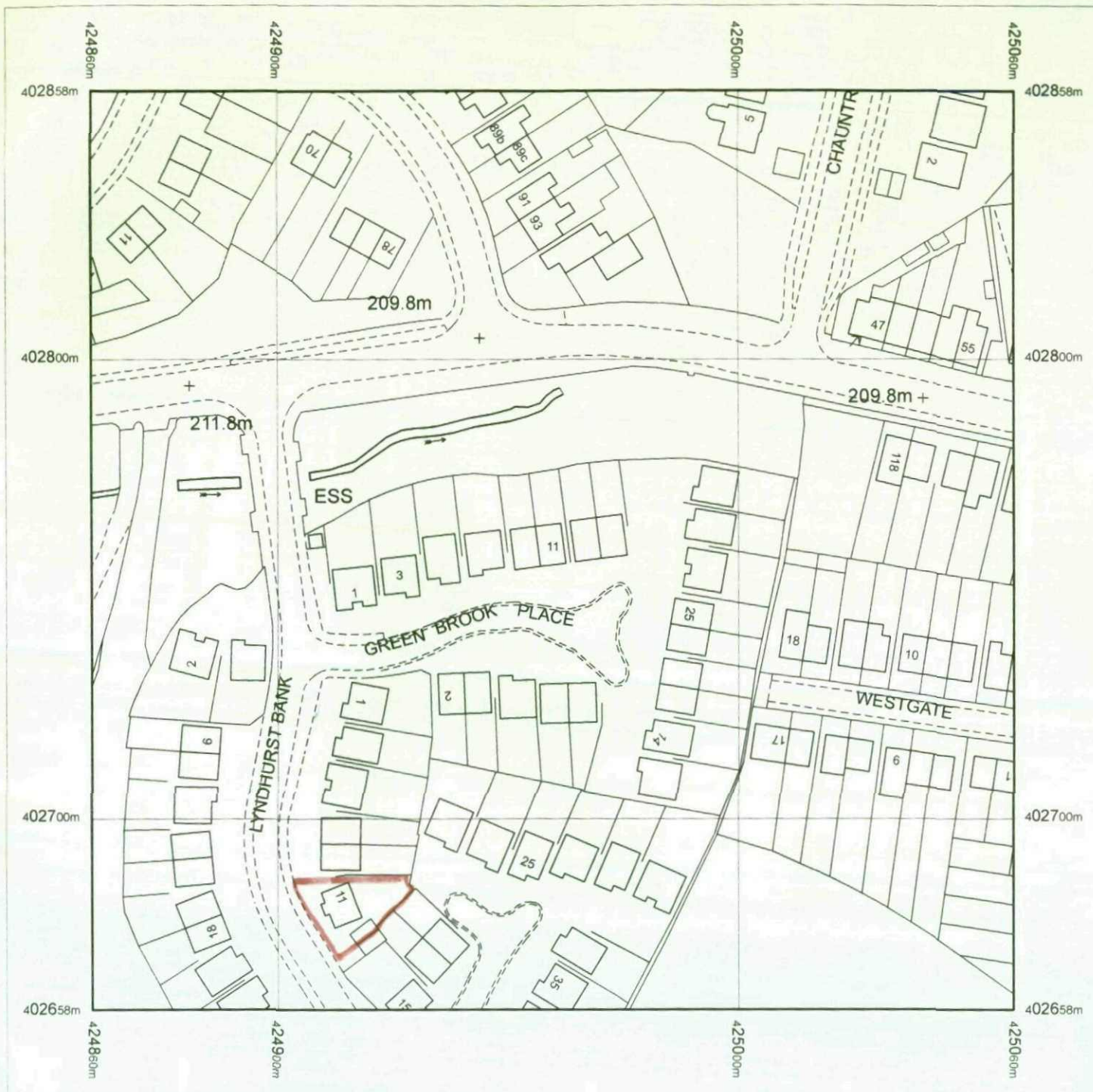




11 LYNDHURST BANK.
PENISTONE.
SHEFFIELD.
S36 6ER.

BLOCK PLAN.
SCALE 1:200



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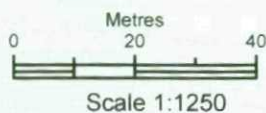
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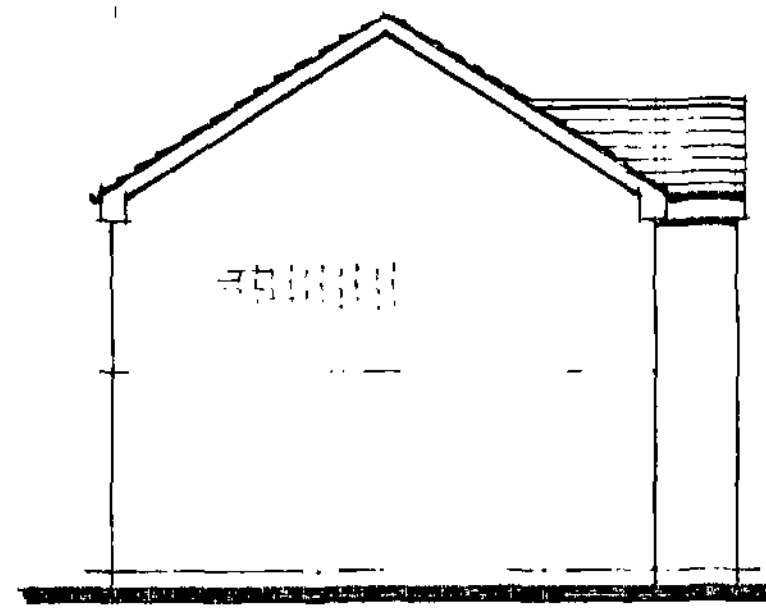
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Steve Camps

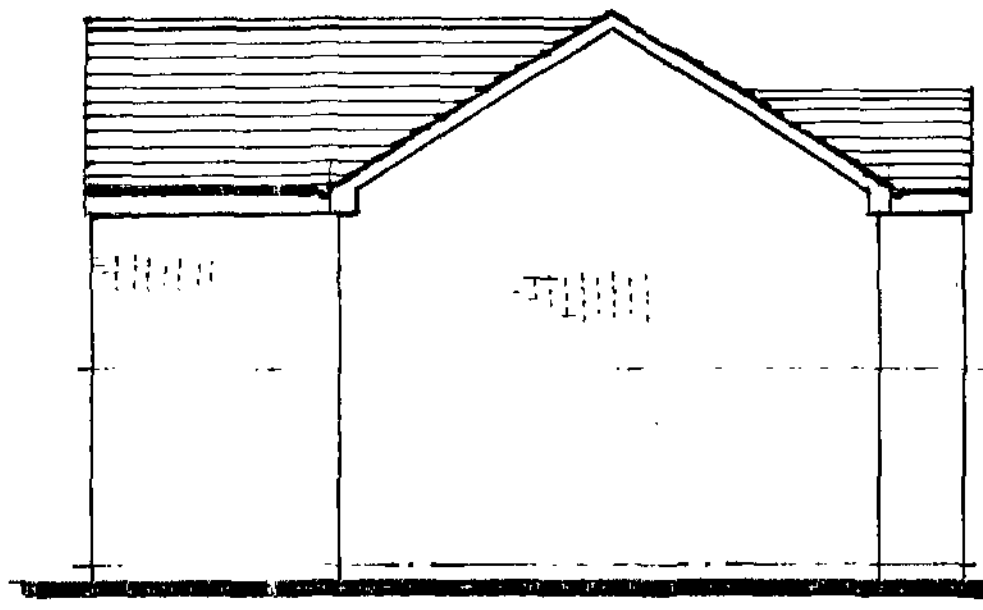
11 Lyndhurst Bank

Penistone

S36 6ER



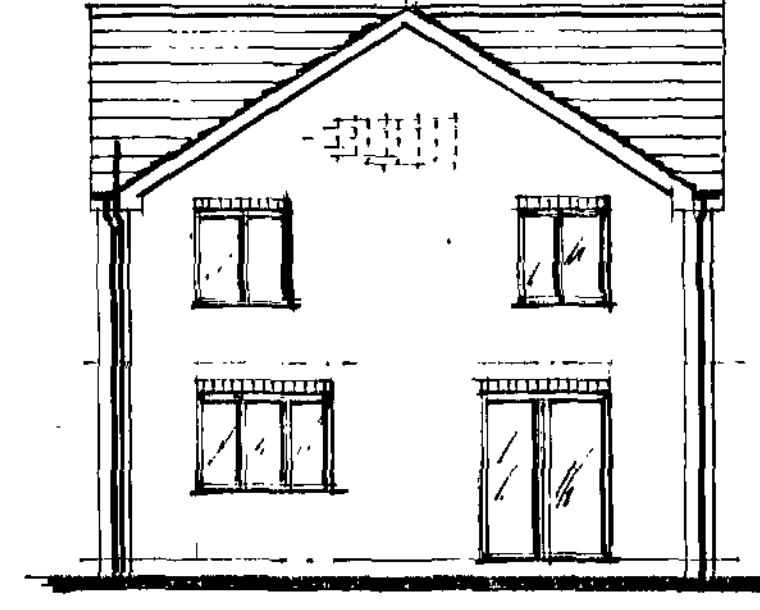
Existing Side Elevation on 1



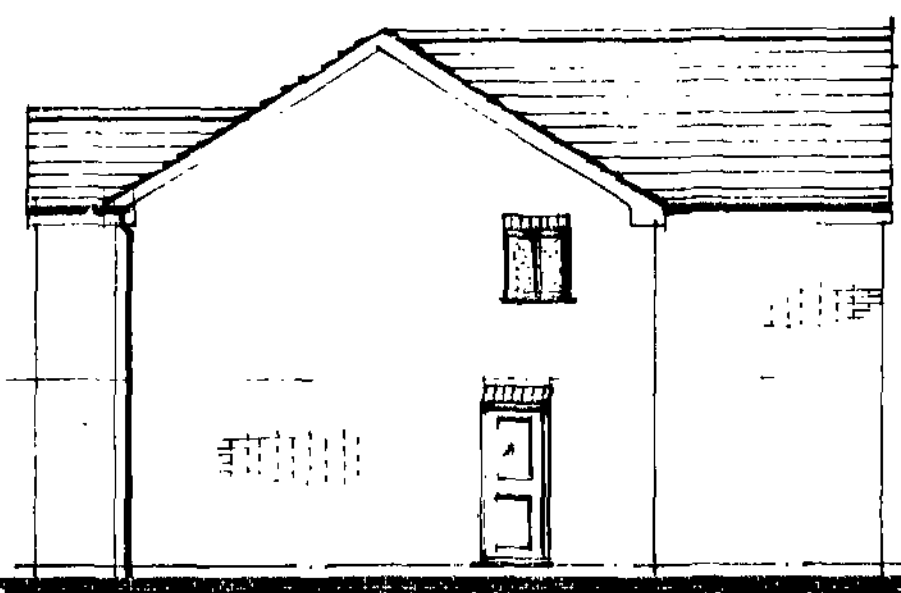
Proposed Side Elevation 1



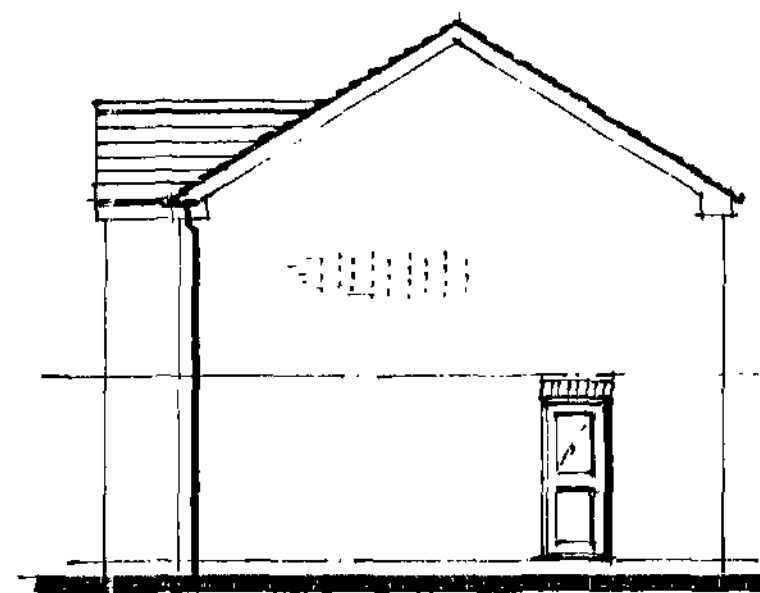
Existing Rear Elevation 2



Proposed Rear Elevation 2



Proposed Elevation On 3



Existing Side Elevation on 3

Foundations

All concrete to be grade C35
Foundations to be 600mm x 225 mm deep.
Placed 1000 mm below fgl. Or as directed by the Building Inspector.
Where foundations cross existing drainage services the foundations to be taken down below the I.L. of the pipe. A concrete lintol to be placed over to bridge the pipe.
Provide rocker pipes either side of the wall and a 50mm space between masonry and pipe with flexible seal.
Any eccentric foundations to be 750 x 450 thk reinforced with 2 layers B783 mesh 50mm cover to all faces.

Lintols

All door / openings / window lintols to be "Catic". Size and type as agreed with the Building Inspector.
End bearing for all lintols to be 150 mm.

Mechanical air extraction.

A minimum of 30 l / sec min air extraction to be allowed to all required areas such as utility rooms. Bathrooms to be 15 l / sec min, wired to light pull cord with min 15 minute over run.
Kitchens to have 3 air changes / hr and 60 l / sec min.
All mechanical ventilators to be ducted to outside air.

Walls

Internal skin
100 mm Thermolite shield or similar blockwork
Cavity
For 100 mm air gap filled with 50 gap + 50 kingspan k8.
Wall insulation to extend 150 mm below the top of the floor insulation.
Cavity to extend full height up into roof space.
Cavity fill of weak mix conc to be no higher than 225 mm below highest dpc.
Cavity to be sealed at eaves with insulated cavity closer.
All cavity wall returns to be 550 mm minimum.

Roof Ventilation.

Ridge ventilation to be equivalent to a continuous gap strip of 5 mm.
Eaves to be equivalent to a continuous gap strip of 25mm.

General

Support beam calculations shall be prepared and submitted to building control 28 days prior to the installation on site.
Any structural steel supports to have full half hour fire protection encasement comprising 2 layers of 12.5 mm plasterboard / skip.

Means of escape.

All new first floor windows to have a clear opening of 750 mm x 450 mm and 1100 from floor height.
1 No self contained operated smoke alarm to BS 5446 Part 1 to be installed on each storey smoke detectors as indicated on the drawing.
All detectors to be a min of 300 mm from any wall.
Interconnected & wired to a separated fused circuit. Battery back up required.

Heating.

All habitable rooms to have a suitably sized radiator extended from the existing system.
Existing boiler capacity to be checked for adequacy.
All installed by a corgi reg contractor.
All hot water pipes shall be insulated with foam equivalent to the outside dia of the pipe.
Radiators to have thermostatic valves.

DPC's

To be provided to External walls 150 mm above fgl.
All door and window jamb / heads
Tray dpc's required to exist walls at new wall abutments.
Under lintols.

Electrical Installations.

All installations to be subject to certification under the "competent persons scheme"
Lighting - 1 in 4 to be low energy.

EXISTING BATHROOM TO BECOME STORAGE / ACCESS TO NEW BEDROOM 4.

EXISTING BEDROOM 4 TO BECOME NEW HOUSE BATHROOM. DOOR TO BE MOVED TO SUIT.

NEW WINDOW. EXISTING TO BE REUSED.
NEW STUD WALL.

EXISTING STUD WALL TO BE REMOVED.

ASSUMED JOIST 200 DEEP.

CEILING TO BE FLUSH.

Roof Insulation.

Above ceiling joists / roof voids. - A min of 300 mm rockwool to be provided within the roof space. 150 between joists and 150 mm over joists at 90 degree.

Lateral Restraint to floors / gable roof
Galvanised mild steel strap 38 x 5 @ 2m c/c to joists and rafters spanning 3 joists with solid noggins at 450 c/c down cavity.

U Values

The builder shall ensure that the following values are achieved.
Roof 0.20w/m2k
Walls 0.27w/m2k
g.f. 0.22(with P/a 09)
Windows / doors 1.8w/m2k
All roof and wall insulation to be continuous.

FOR BEAM TO JOIST CONNECTION REFER TO CALCS.

SUPPORT BEAM TO BE WITHIN FLOOR DEPTH.

Section B - B
(TAKEN AT FIRST FLOOR.)

Doors / windows.

All to be UPVC double glazed (min 16 mm gap between panes) glazed with Pilkington K glass with soft low "E" coating.
Style and colour of all to match existing.
All windows to have 1/20 th floor area as open light.
Safety glass(stamped accordingly) to be provided to all critical areas. Door and panels 1.5 m from m. Or windows within 800 mm from m.
Obscure glass to be fitted to new bathroom window.
Trickle vents to be provided to all new windows 8000 mm2 min.

Timber First Floors.

Prior to ordering, the builder to check the depth of exist floor to ensure proposals allow floor and ceilings to line through. Any anomalies to be reported to the building inspector for modification.
63 x 195 (sc 3) or as per exist if greater softwood joists at 400 c/c with herring bone strutting mid span and underdrawn with fire lined board. 19 mm
T & G floor grade particleboard (EN 312-5) screwed to joists or 19 mm T & G Floorboards (BS 1297) 200 mm fibre insulation to be provided to first floor joists.
Joists to be built into walls or attached to joist hangers and screwed to joists.
Joists to be doubled up under bath and stud wall locations.

Roof design.(Trusses.)

The roof shall be of timber construction all as per supplier's calculations. Calculations to be supplied to building control for approval a min of 28 days prior to commencement on site.
Trusses to be at 600 mm c/c
Fixing of roof timbers to vertical walls to 6 x 2 timber wall plate fixed to wall by m12 at 600 c/c
or to horizontal wall plate
Valleys or connection of roof to walls to have 5 lb lead flashing.
Tiles to match existing on timber tile battens of 40 mm x 19 mm c/c to suit tile type on sarkin felt. Tiles to be chosen to suit roof pitch.
Tile technical info to be given to the BI to determine the necessity for corrugated no joint underfelt depending on type of tile / roof slope.
All roofs shall ensure a continued air flow.
Soffits shall be fitted with vents or a 25 mm gap with bird mesh.
Ridge vents shall be fitted where necessary and as directed by the Building Inspector.
Roof to be suitably wind braced to appendix A of BS 5268 PT 3.
100 x 65 sw wall plates secured to brickwork with galv steel straps @ 1800 c/c
Roof ventilation. - Vents to be provided to eaves soffit, ridge and tile vents all as directed by the building inspector.

NOTES:

All dimensions must be checked on site and not scaled from this drawing.

Scope of Works

General.

Construction of a two storey rear extension treating kitchen and bedroom extensions and internal modifications.

Notes.

General

These plans and details have been prepared for the purpose of providing information to the local authority to assist them in determining approval or rejection of planning / building regulations.

These notes and details indicated on these drawing drawings are to be checked and verified by the contractor at the time of pricing and prior to commencement, the builder shall satisfy himself that all details and dimensions are correct.

Any discrepancies shall be identified at the time of tendering and the client notified in writing of such changes required.
All dimensions to be taken to the nearest brick size.

His price shall be deemed to include for: Any additional calculations as required by building control and as a result any additional building works that may be required.
Satisfying all current relevant codes of practices and British Standards shown or omitted from these drawings.

When appropriate it is the owners responsibility to serve notice on the adjoining / adjacent neighbours for the proposed works under the Party Wall act 1996. The explanatory booklet can be obtained free of charge from ODP/M free literature PO Box 236 West Yorkshire LS23 7NB. Tel 0870 122 6236

E	Date	Revisions
D		
C		
B		
A		

SDC Projects
Northern House
51 Clarel Street
Penistone
Sheffield
S36 6AU
Tel
01226 762484
07970 291539

11 Lyndhurst Bank
Penistone
Sheffield

Client

Mr K Hough

Job Title

Two Storey rear Extension

Drawing Title

General Arrangement / Elevations.

Scale 1:50 1:10 1:25 1:100

Date 24.2.09 Drawn by Steve Camps

Drg. No. KH / 01 Rev.

Timber Ground Floor
170 x 50 (sc 3) softwood joists at 400 c/c with herringbone strutting at mid span. 19 mm T & G floor grade particleboard (EN 312-5) screwed to joists or 19mm T&G floorboards (BS 1297) 150 mm fibre insulation to be provided between joists.
Joists to be built into walls or attached to joist hangers. Ends of joists where built in to be treated.
Provide oversite concrete on 1200 g visqueen. Provide 150mm between cone and u.s. of joists.
Airbricks required to all sides of extension at 900 c/c

External skin

Brickwork 100 mm to match existing
Stainless wall ties to be provided at 750 horiz c/c and 450 mm vert c/c. every block depth to reveals.
Connection of new to existing walls to be achieved by block bonding or proprietary fixing systems.
Air bricks to be provided to gable elevation to provide additional ventilation to roof space. This to be agreed with the BI.
Weep holes to be provided where applicable.

Internal walls

To be from timber studding 75 mm x 50 mm with 12 mm plaster board and skim. Studs @ 450 c/c horiz and noggins at 900 vert c/c
A minimum of 50 mm insulation to be provided to bathroom walls, with double skin of plasterboard to inside.
Ceilings to be finished with 12 mm plasterboard / skim
Bathroom wall to have a min of 10 kg / m2 density mineral felt insulation.

Plumbing and Drainage.

Surface water
Hepworth or similar 112mm UPVC gutters, brackets and fittings connected to existing gutters
Foul water drainage
The existing drain locations are assumed. The builder to expose on site and agree any necessary amendments with the building Inspector.
Any manhole enclosed by the extension to have a double seal mechanically screwed cover.

Existing / Proposed First Floor Layout

All external drains to be 100mm Osma plastic pipe bed and surround in gravel to falls
Foul - 1:80
All new surface water to be taken to a soakaway a min of 5m from any building or connection to existing gutters
All new drainage and protection details to existing shall be agreed with the Building Inspector.
All internal drainage to connect into new s & v pipe. In turn which is connected to the foul drain.
Pipe sizes-Basin 32mm up to 1.7m run. Sink bath / shower 40mm up to 3m run 50mm up to 4m run
WC - 100 mm. Separate connections and 75 mm deep seal traps to 100 s & v terminating internally with non return valve. External stacks vented traditionally terminating 900 mm above any open light within 3 m with suitable cage. Shower trays to have access panel to trap. All joints push fitted & access panels provided at all changes in direction.
New s&v to have rodding eye to base.

Typical Section On A - A