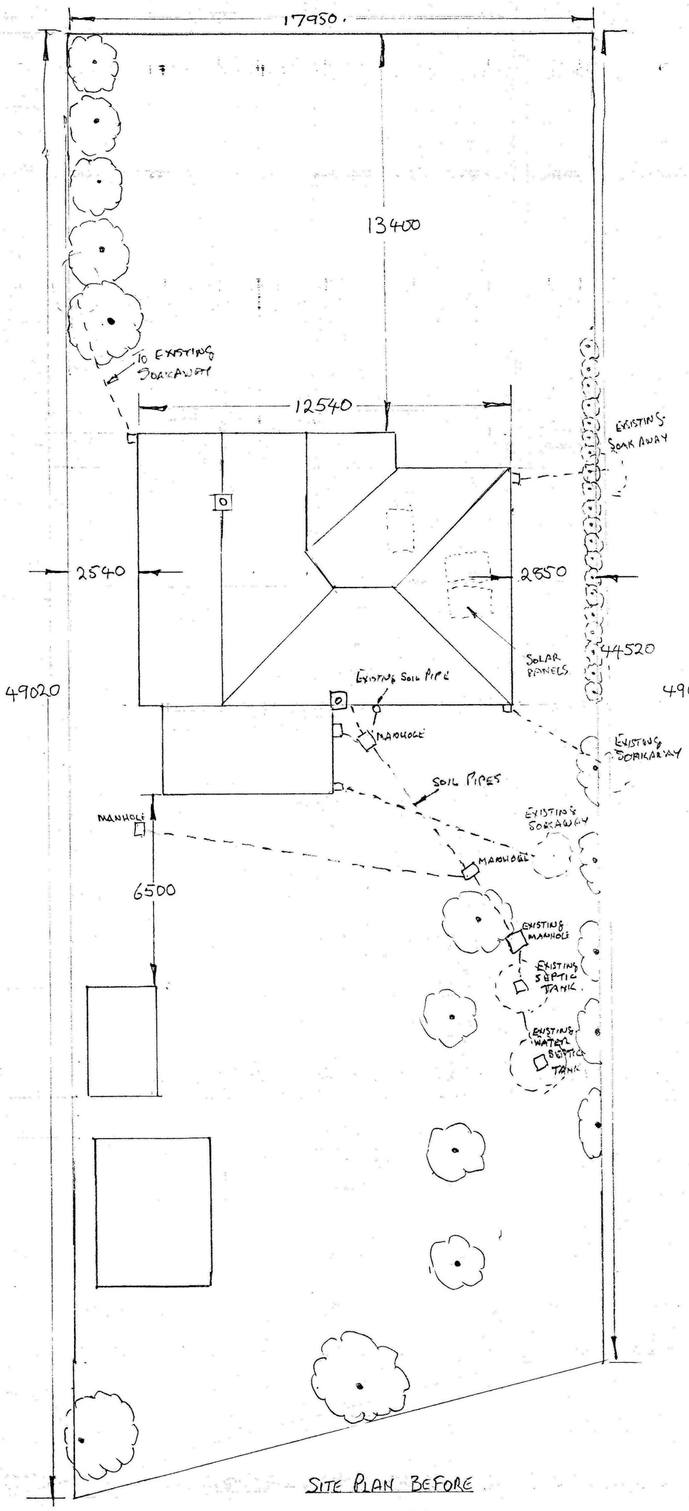
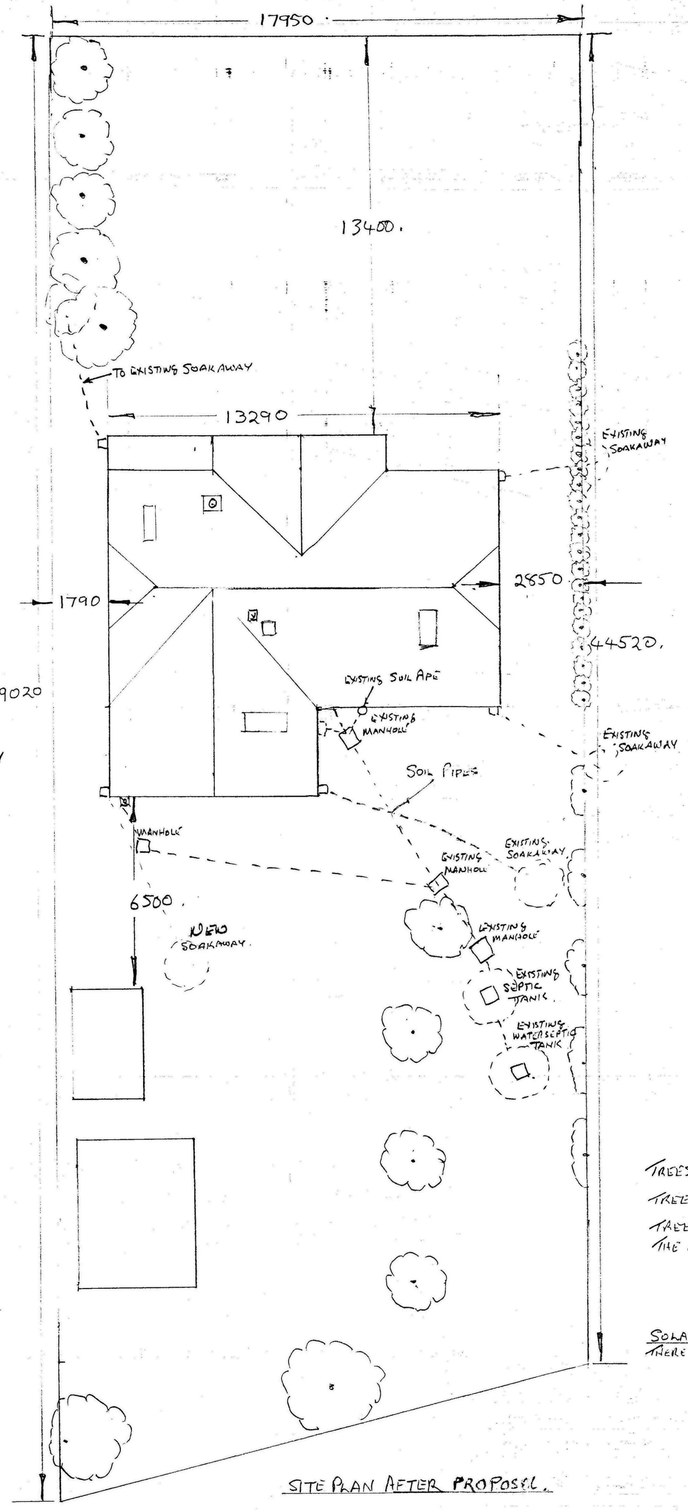
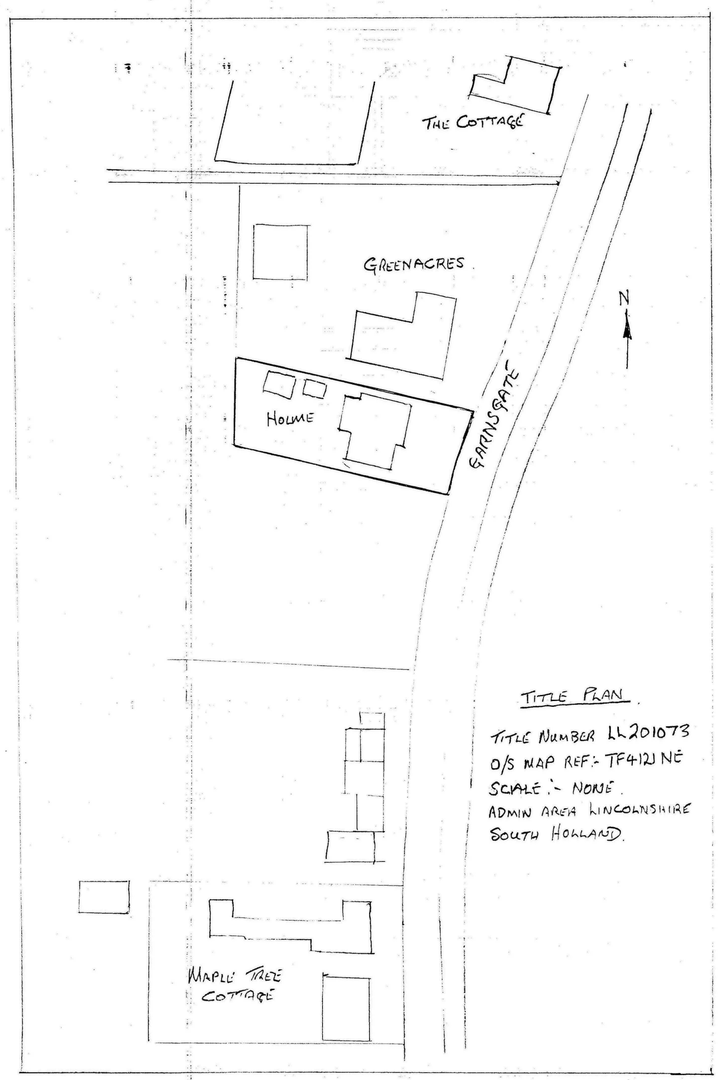


SITE PLAN BEFORE



SITE PLAN AFTER PROPOSEL.



TITLE PLAN.

TITLE NUMBER LL201073
O/S MAP REF:- TF4121 NE
SCALE :- NONE.
ADMIN AREA LINCOLNSHIRE
SOUTH HOLLAND.

TREES MARKED IN REAR GARDEN ARE FRUIT TREES.
TREES TO THE FIELD SIDE ARE TREE OF LIFT TREES (HEDGING).
TREES TO THE FRONT OF PROPERTY ARE ALL CONIFERS (LEYLAND)
THE CONIFERS ARE I THINK "WINSTON CHURCHILL" FOR THEY HAVE GOLDEN LEAVES.

SOLAR PANELS.
THERE ARE THREE SOLAR PANELS ON EXISTING ROOF. THESE MAY BE USE AGAIN

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- 5 MAY 2010
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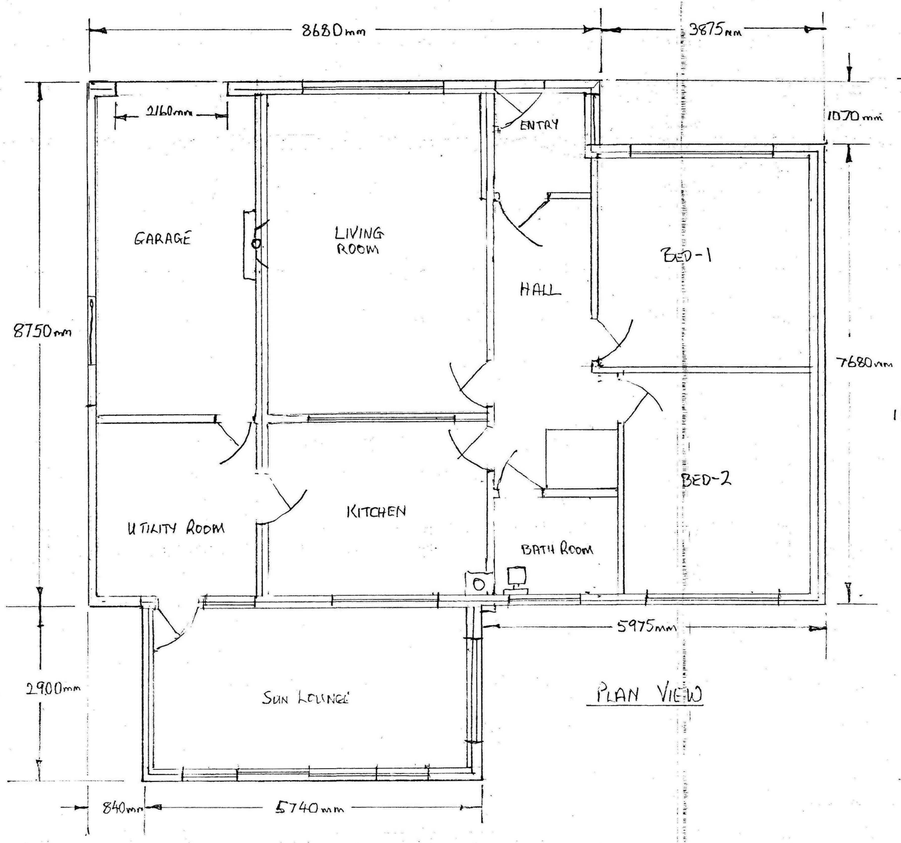
FOR MR P FIELD
BUNGALOW, GARAGE & ROOF EXTENTION AT:-
HOLME GARNSGATE, LONG SUTTON SOUTH LINCOLNSHIRE PE12 9AR

SITE & TITLE PLAN

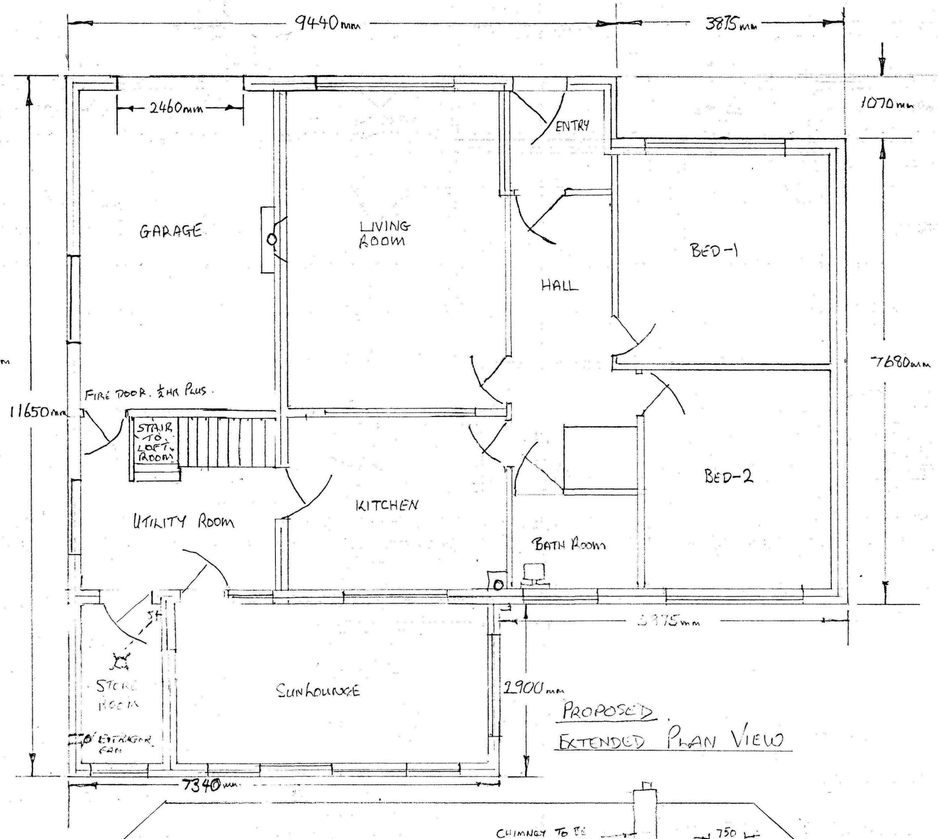
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CHECKED BY :- P FIELD
SCALE :- 10mm TO THE METER
DATE :- 15-2-2010

DRAWING N° 1 OF 4

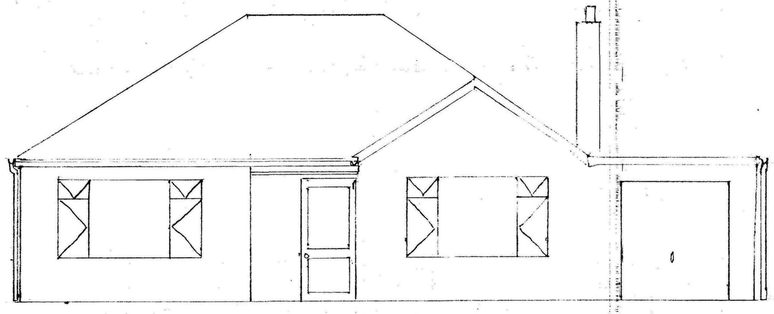
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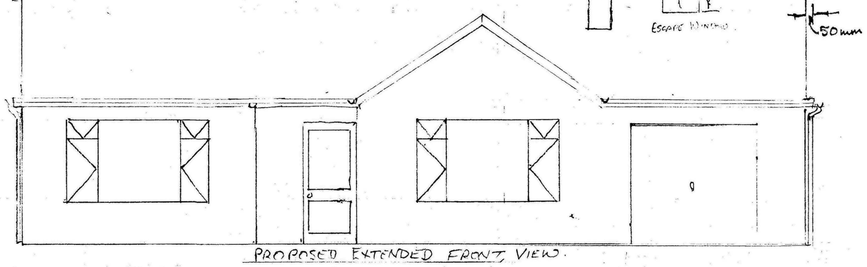
PLAN VIEW



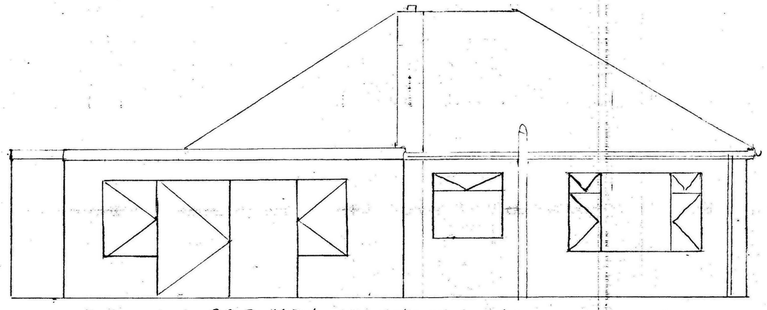
PROPOSED EXTENDED PLAN VIEW



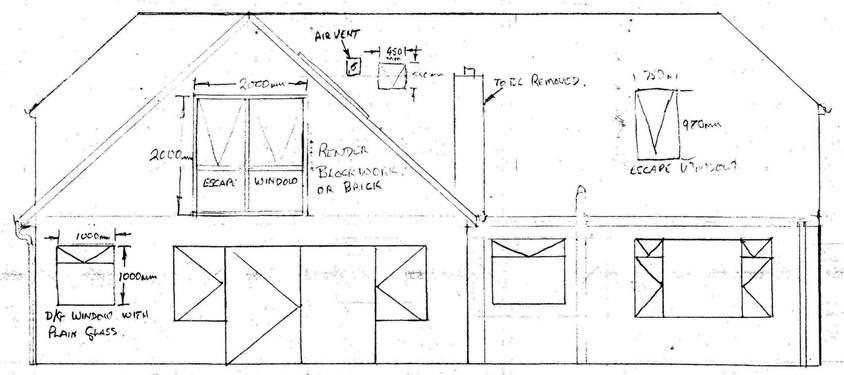
FRONT VIEW



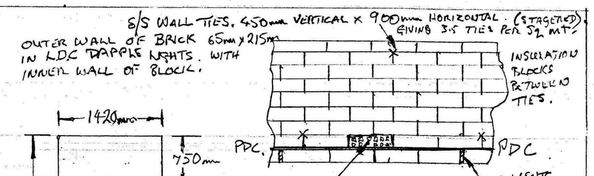
PROPOSED EXTENDED FRONT VIEW.

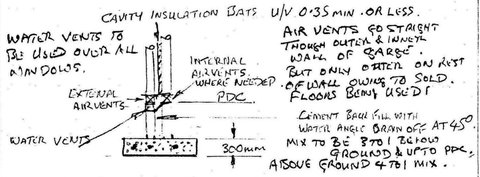


REAR VIEW



PROPOSED EXTENDED REAR VIEW





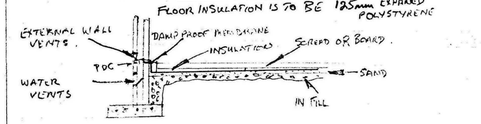
FOUNDATION TO MATCH EXISTING DEPTH OF FOUNDS ON BUNGALOW. BUT HAS THREE REINFORCING RODS ADDED. IT MUST BE A MINIMUM OF 600mm IN DEPTH. AS BE TAKEN TO THE DEPTH OF THE EXISTING FOUNDATIONS.

PROPOSED FOUNDATIONS PLAN

FOUNDATION IS OF 300mm CONCRAT WITH TRENCH BLOCK 7NT & BRICK, THERE MUST BE 3 RONDS OF FACING BRICK BELOW PDC LEVEL, ABOVE PDC USE FACING BRICK, WITH AERATED BLOCK. (CELCON, THERMALITE, TARMAC OR DURAX BLOCKS).

FLOOR CONSTRUCTION

FLOOR INSULATION IS TO BE 125mm EXPANED POLYSTYRENE



EXTENDED AREA IS 11.29 sq mts. (FLOOR AREA IS 4.59 sq mts)

1420mm
1240mm
1780mm
TO BE PINNED INTO EXISTING FOUNDS

VENTILATION

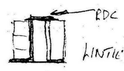
BACKGROUND VENTILATION WILL BE TRICKLE VENTS IN ALL NEW WINDOWS & STORAGE ROOM & NEW BATHROOM WILL HAVE EXTRACTOR FANS FITTER WITH ABOVE THE BASIC IS LITRES PER SECOND AIR FLOW & CONTROLLED BY ALL SWITCH. & AUTO RUN IS REQUIRED.

WE HOPE TO MAKE THE BUNGALOW LOOK BETTER WITH A PITCHED ROOF INSTEAD OF FLAT ONES (DUTCH BARN) AND USE THE LOFT SPACE FOR EXTRA LIVING AREA, THIS IN TURN WILL NOT MAKE THE FLOOR AREA MUCH MORE THAN IT IS NOW.

THERE WILL ALSO BE NO DORMER STRUCTURE PROJECTING FROM THE SLOPING ROOF ONLY ROOF LIGHTS WHERE NEEDED

WHERE BLOCK WORK IS USED IT WILL BE RENDERED UNLESS A VERY GOOD MATCH BRICK CAN BE FOUND. (DAPPLE LIGHTS) LDC. WALL CONSTRUCTION IS TO BE 275mm MIN. WITH 75mm CAVITY WITH WALL TIES (S/S) AT 450 CENTRES VERTICAL & 900mm HORIZONTAL.

THE LINTLE ABOVE REAR PATIO DOOR MAY BE OF WOOD CONSTRUCTIONS. THIS WILL HAVE TO BE REPLACED WITH A GALVD STEEL BOX SECTION LINTEL. OF 4"5mm IN WIDTH.



LINTLE CROSS SECTION



LINTLE CROSS SECTION FOR OVER WINDOWS

ALL LINTELS MUST BE OF THIS ~~TYPE~~

SHDC
Planning & Development
- 5 MAY 2010
Ref: 0371-10

FOR MR P. FIELD

BUNGALOW GARAGE & ROOF EXTENTION. AT :-

HOLME GARNSGATE. LONG SUTTON. SOUTH LINCOLNSHIRE PE12 9JP

PLAN VIEW OF NOW & AFTER EXTENTION + FOUNDATION.

DRAWN BY :- MR P FIELD

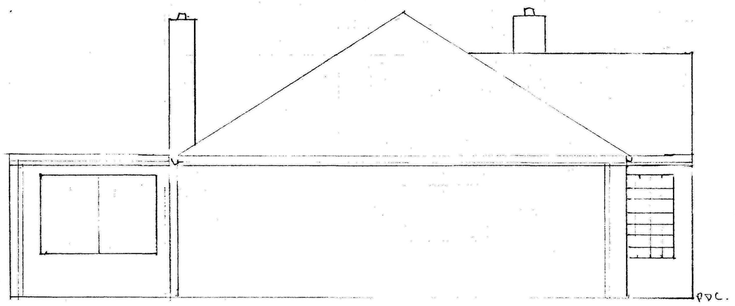
CHECKED BY :- — P FIELD

SCALE :- 20mm TO THE METER.

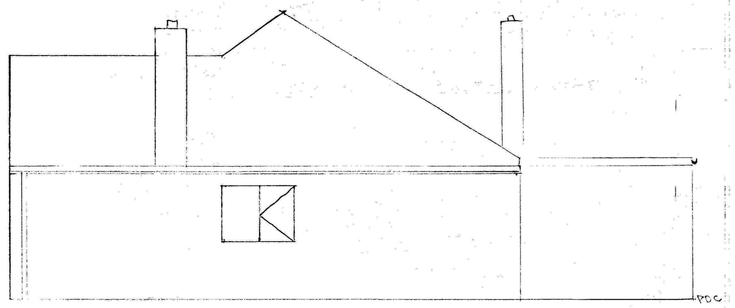
DATE :- 15-2-2010

DRAWING Nº 2 OF 4.

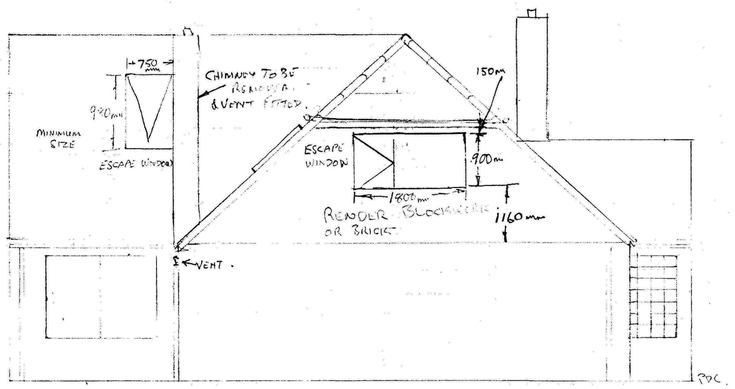
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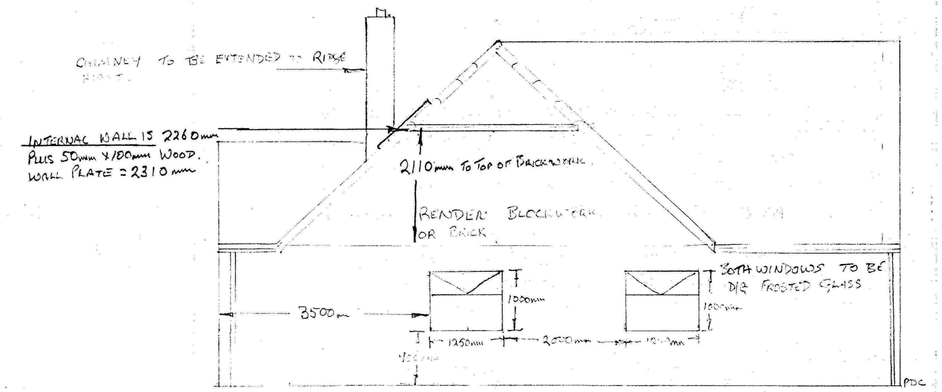
SIDE VIEW FIELD SIDE



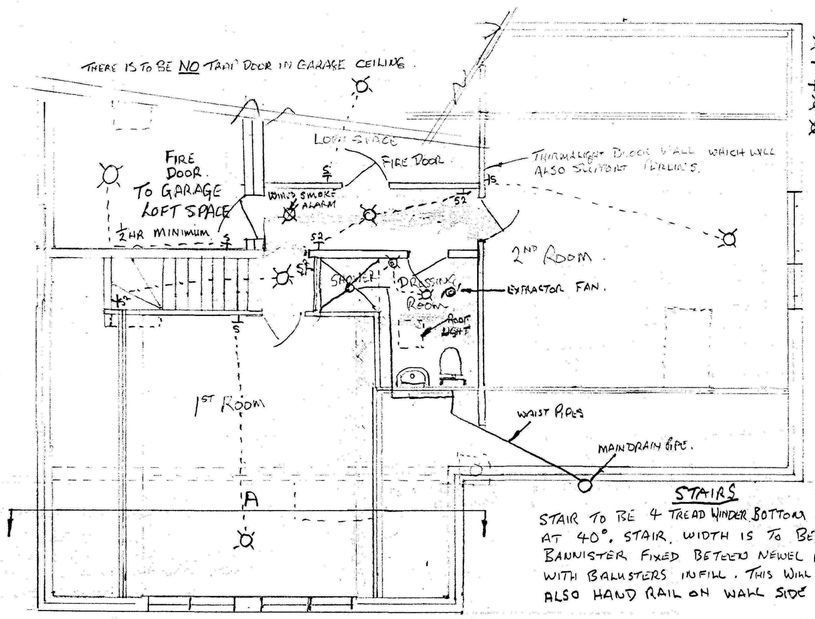
SIDE VIEW GARAGE SIDE



PROPOSED. EXTENDED SIDE VIEW FIELD SIDE



PROPOSED. EXTENDED SIDE VIEW GARAGE SIDE

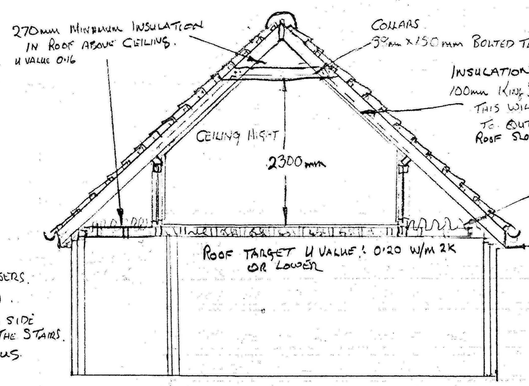


FLOOR PLAN OF LOFT ROOMS

STAIRS

STAIR TO BE 4 TREAD WINDER BOTTOM THEN. 220mm RISERS. AT 40°. STAIR. WIDTH IS TO BE 800mm, WITH. BANNISTER FIXED BETEEN NEWEL POSTS ON ROOM SIDE WITH BALUSTERS INFILL. THIS WILL ALLOW LIGHT UP THE STAIRS. ALSO HAND RAIL ON WALL SIDE TO BE CONTINUOUS.

FLOOR TO BE FLITCH BEAM & HANGER TO HOLD FLOOR JOISTS OTHER THAN STATED OTHER METHOD.
FLOOR JOISTS ARE TO BE 47mmX250 mm AT C16 AND AT 460 mm CENTURES.
PERLINS ARE TO MATCH EXISTING. PERLINS AT C24 OR C27 (50mmX150mm) OR LARGER IF REQUIRED.
RIDGE BOARD TO BE 38mmX 250 OR 300mm IN DEPTH ALSO.
ROOF JOISTS ARE TO BE 38mmX 150mm AT C16. OR OVER. AT 460 mmCENTURES
COLLARS TO BE BOLTED WITH STAR WASHER TO RAFTERS WITH 12mm BOLTS & NAILED.

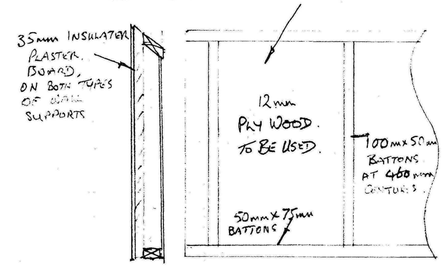


'A' SECTION VIEW

PURLIN WALL SUPPORT 1

THE PURLIN SUPPORTS ARE OF A STUD LADDER WALL. CONSTRUCTION MADE FROM 100mmX 50mm INFILLED WITH; 100mm JOND INSULATION WITH INSULATED PLASTER BOARD. SCREWED ON TOP. SMALL DOORS IN WALL MUST ALSO BE INSULATED. THIS WALL WILL BE BUILT ON TOP OF FLITCH BEAMS OR UB JOIST & 12mm PLY TO REAR BUILD SCREWED ON.

INFILL INSIDE WITH KING SPAN 100mm IN DEPTH.



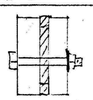
UNDER PERLINS SUPPORT 1 TO BE USED.

THIS SUPPORT IS MADE FROM 12mm STERLING BOARD OR PLY (WITH) WITH 100mmx 50mm DOWN STAYS AND 150mmx38mm TOP RAIL & 100x50m BOTTOM RAIL. AT BOARD JOINTS 50mm x 100mm USED.
THE INSERTS ARE TO BE FILLED WITH KING SPAN AND THEN PLASTER BOARDED ON ROOM SIDE.
A SMALL DOORWAY MAY BE FITTED IN BOTH SIDES BUT A EXTRA FRAME MUST BE ADDED. (100mm x 50mm GLUD & SCREWED).
UNDER THIS SUPPORT BEAM THERE MUST BE A DOUBLE FLOOR BEAM BOLTED TOGETHER AS EXTRA SUPPORT OR UB JOITS.
ALL LOAD BEARING WALL CAN BE BLOCKED TO SUPPORT PERLIN, WHERE POSSIBLE.

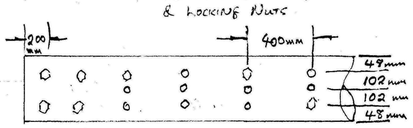
BY PUTTING END WALL IN THIS WILL STRENGTHEN THE ROOF BY INSULATING THE PERLINS INTO IT SO THEY ARE NOT AS LEAN IN STORMS.
THE MIDDLE WALL WILL ALSO SUPPORT THE PERLINS AS WILL THE WALL ON THE GARAGE WALL AND THEN THE END WALL AGAIN.

CAN USE A 178mm x 102 UB ALTERNATIVE TO FLITCH BEAM
THIS IS A BETTER ALTERNATIVE

FLITCH BEAM



50mm x 300mm C16 BEAMS WITH 8 mm x 295mm STEEL PLATE BOLTED EVERY 400 mm 12mm x 130mm 46 GRADE BOLTS WITH WASHER & LOCKING NUTS



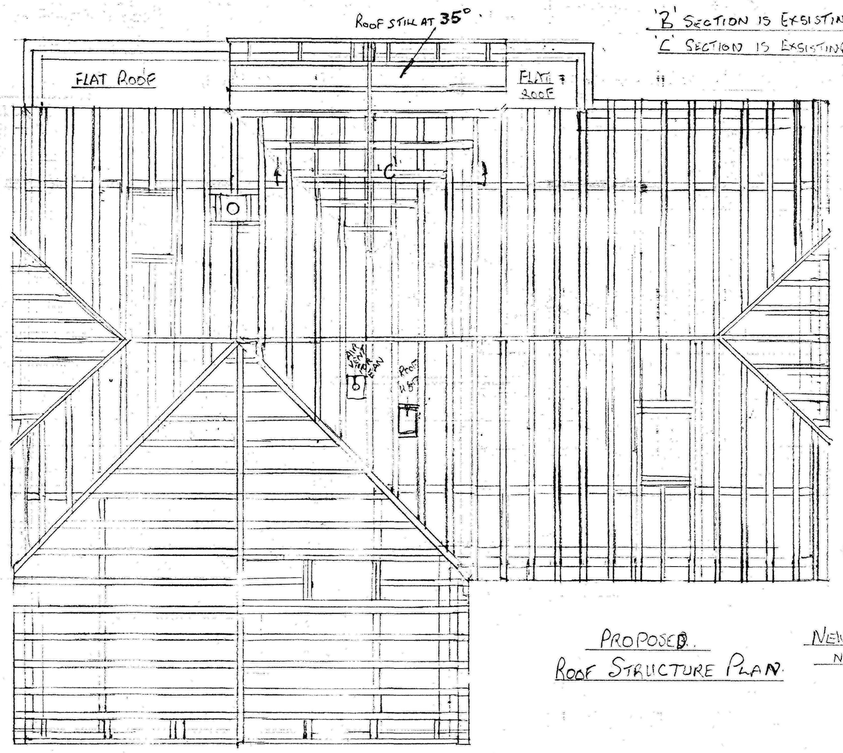
BOLTING ON FLITCH BEAM.

STEEL WORK
ALL TO BE GRADE 43 TO BS 4 PART 1 & TO BS 4848 PART 2&4 PAINTED WITH 2 COATS OF GRAY OXIDE PRIMER. AFTER REMOVING SURFACE RUST.

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- 5 MAY 2010
Ref: 0371-10

FOR MR P A. FIELD
BUNGALOW GARAGE & ROOF EXTENTION AT :-
HOLME, GARNSGATE, LONG SUTTON, SOUTH LINCOLNSHIRE PE12 9JP

SIDE VIEW & LOFT CONVERTION DETAIL.	
DRAWN BY :- MR P FIELD	
CHECKED BY :- ——P FIELD.	
SCALE :- 20mm TO THE METER	
DATE :- 15-2-2010	
DRAWING N° 3 OF 4	REF :- FIELDEXTENTION 3



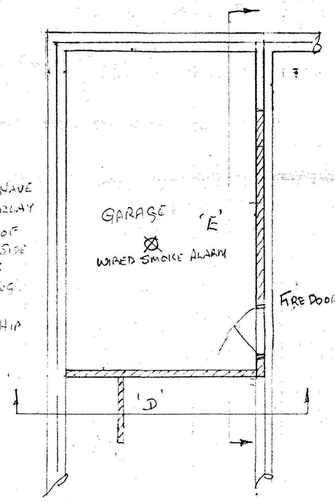
'B' SECTION IS EXISTING ROOF
'C' SECTION IS EXISTING ROOF

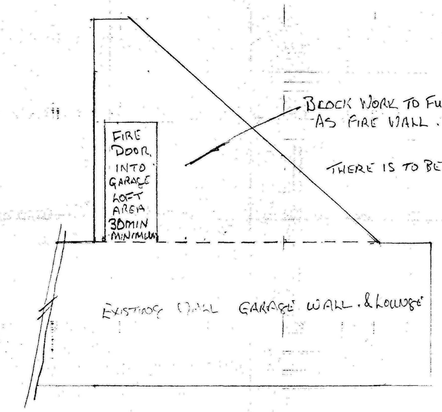
ALL VALLEYS MUST HAVE LAPPED ROOFING. MODERN DAY TYPE 300mm WIDE PLY OF FLOOR BOARDING EACH SIDE WITH A GRP FIBREGLASS LINING OR LEAD LINING ON TOP.
HIP HIP MUST HAVE HIP IRONS FITTED

WHERE ROOF LIGHTS ARE TO BE FITTED ALL TIMBERS ARE TO BE DOUBLED.

PROPOSED
ROOF STRUCTURE PLAN.

PROPOSED
NEW ROOF ANGLE TO BE 42°
NOT 35°.



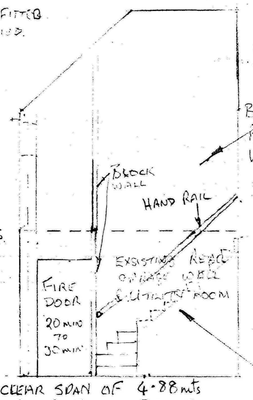


THERE IS TO BE NO HATCH IN GARAGE

'E' SECTION

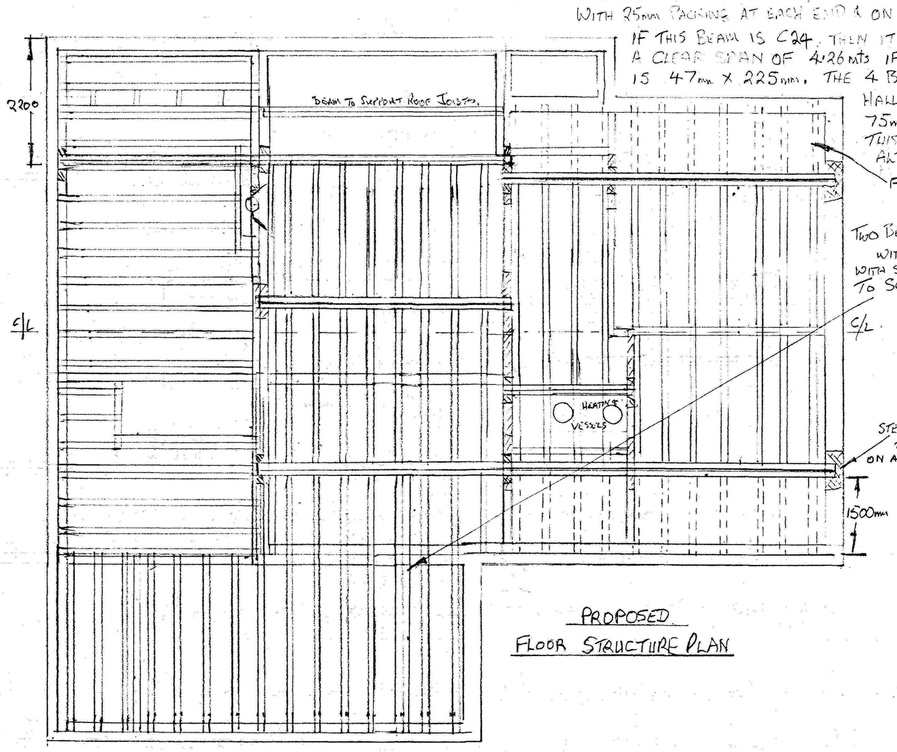
THE ROOF ANGLE OF 35° IS NOW 42° THIS WILL GIVE GREATER HEAD HIGHT & STRONGER ROOF STRUCTURE FOR THE COLLARS WILL BE LARGER & GIVE GREATER STRENGTH

ALL INTERNAL WALLS ARE OF BRICK THEN CEMENT RENDERED & PLASTERED. THEY ARE ALL LOAD BEARING WALLS.



'D' SECTION THESE BEAMS CAN BE LAYED AT 400mm CENTRES ALL THE WAY ACROSS ALONG SIDE EXISTING BEAMS WITH 25mm PACKING AT EACH END & ON MIDDLE WALL

IF THIS BEAM IS C24, THEN IT SHOULD TAKE A CLEAR SPAN OF 4.26mts IF THE BEAM USED IS 47mm x 225mm, THE 4 BEAMS OVER THE HALL MUST BE C24 75mm x 225mm WITH A CLEAR SPAN OF 4.88mts THIS WILL STOP THE NEED FOR 2 FITCH BEAMS. ALTHOUGH FITCH BEAMS WILL BE USED WHERE NEEDED

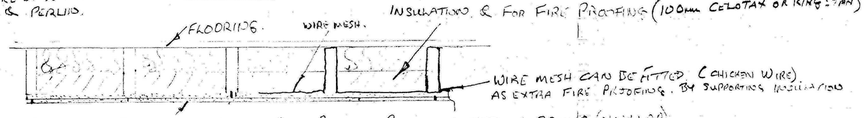


TWO BEAMS TO BE BOLTED TOGETHER WITH 12mm BOLTS AT 450mm CENTRES. WITH STAR WASHER IN THE CENTRE OF BEAMS TO SUPPORT INNER WALL & PERLIN.

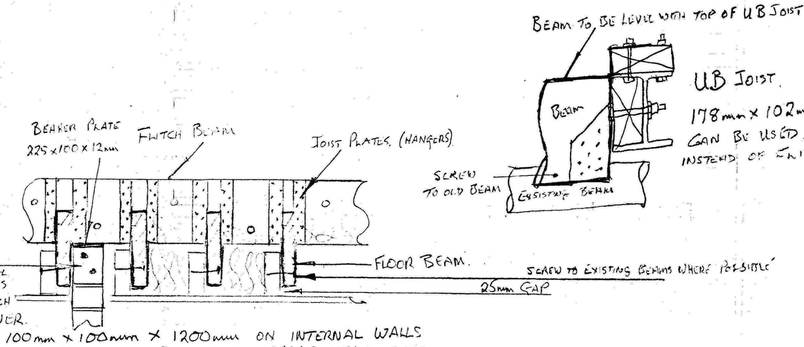


PROPOSED
FLOOR STRUCTURE PLAN

PROPOSED
GARAGE ROOF



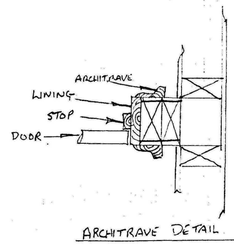
TWO LAYERS OF 1200mm x 2400mm x 12mm PLASTER BOARD LAYED AS BRICKS (OVERLAP).
MUST BE PINK PLASTER FIRE PROOF BOARD).



BEAM SIZE 100mm x 100mm x 1200mm ON INTERNAL WALLS WITH CONCRETE PADS ON EXTERNAL WALLS. THIS IS TO SPREAD THE LOAD OR STEEL PLATES.

STAIRS

STAIRS MUST BE 800mm IN WIDTH WITH HAND RAIL TO WALL SIDE & BALUSTRADE TO OPEN SIDE & A HEAD HIGHT OF 2mts
PITCH IS TO BE NO STEEPER THAN 42° & RISERS NO HIGHER THAN 220mm
HANDRAIL MUST BE 900mm MINIMUM HEIGHT & BALUSTERS SPINDLES MUST NOT EXCEED 90mm BETWEEN SPINDLES



ARCHITRAVE DETAIL

ROOF COVERING

ROOF COVERING IS TO BE PROTECT UP400 ROOFING UNDERLAY WITH 38mm x 25mm ROOF BATTENING & MARLEY LUDLOW OR LUDLOW MAJOR INTERLOCKING TILES.

FLOORING

FLOORING IS TO BE GIVEN. 22mm. x 600 x 2400mm CHIPBOARD FLOORING GRADE.

SHDC
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- 5 MAY 2010
Ref: 0371-10

FOR MR P. A. FIELD.
BUNGALOW GARAGE & ROOF EXTENTION AT:-
HOLME, SUTTON CARNSGATE, LONG SUTTON LINCOLNSHIRE PE12 9SP

ROOF & FLOOR CONVERTION DETAIL

DRAWN BY:- MR P. A. FIELD.
CHECKED BY:- —— P. FIELD
SCALE :- 20mm TO THE METER.
DATE :- 15-2-2010
DRAWING Nº 4 OF 4.
REF:- FIELDEXTENTION 4.