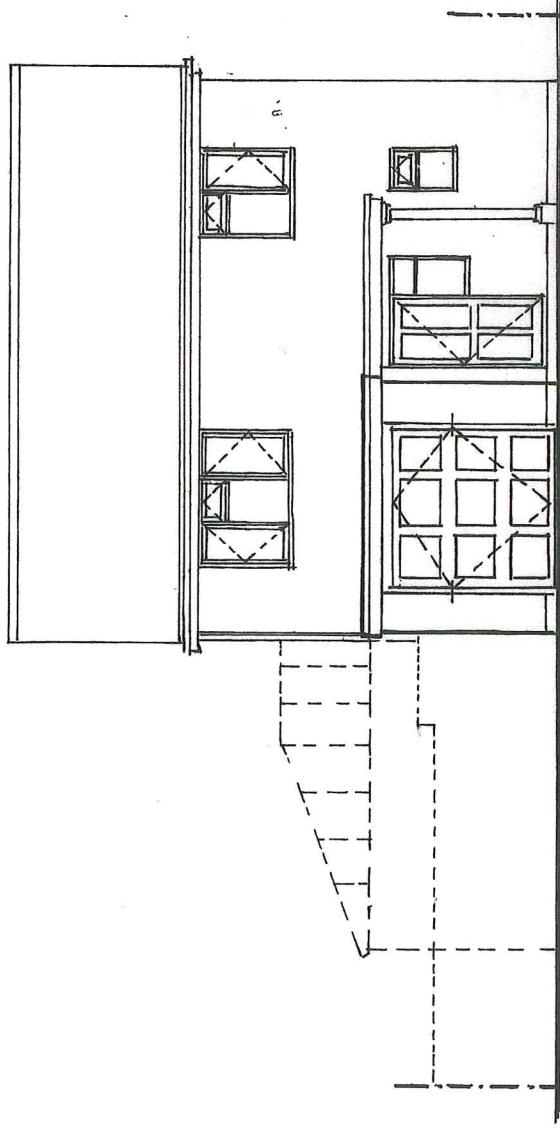
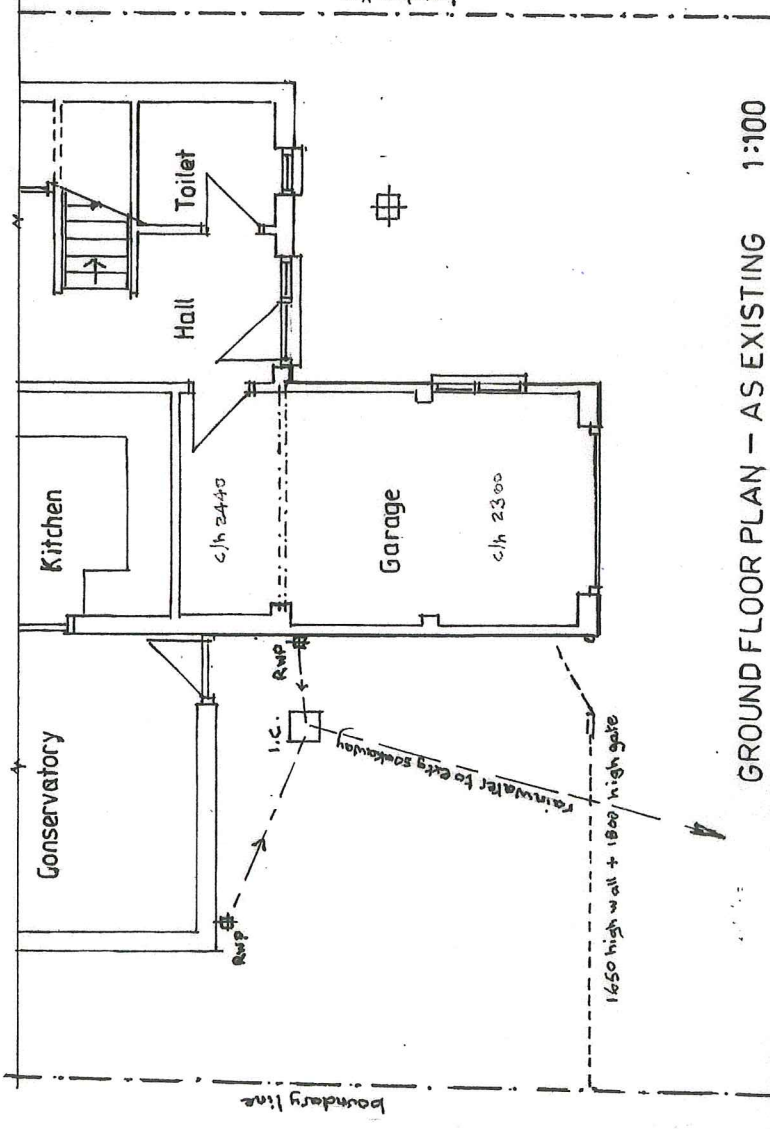




FRONT ELEVATION - AS EXISTING

1:100



GROUND FLOOR PLAN - AS EXISTING

1:100

GARAGE CONVERSION

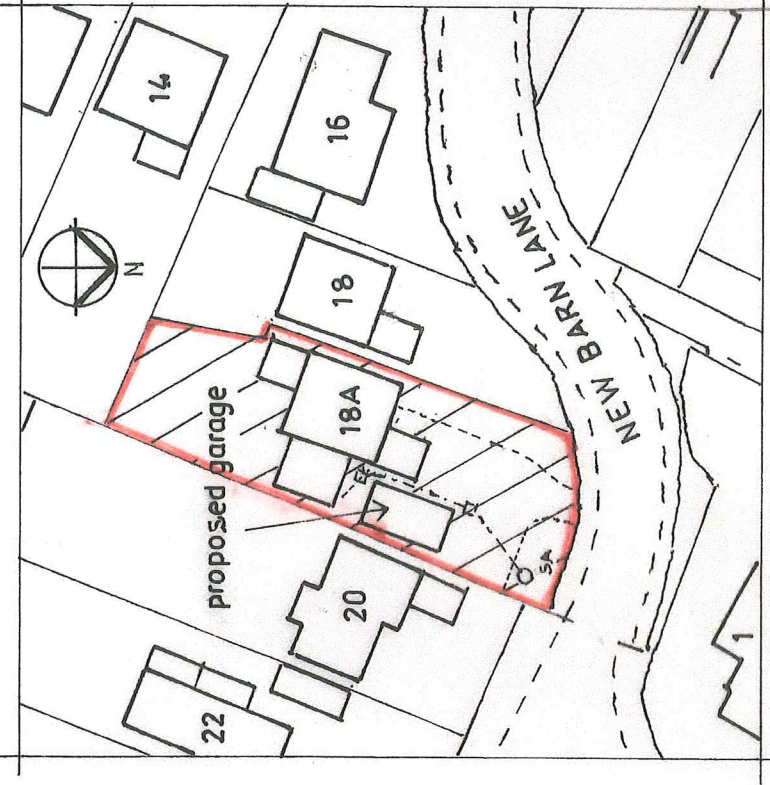
1. UPGRADING EXISTING FLAT COLD ROOF - TO Uvalue $0.18W/m^2K$
 - 1a. 50 ventilated air space above insulation to underside of decking, ventilated at opposite sides equivalent to 25 continuous strip, using proprietary ventilator to prevent insect entry.
 - 1b. Celotex GA4100tight fit between joists up to stop battens and with clips all to manufacturers guidelines.
 - 1c. Celotex PL4040 (52.5 o/a) continuous layer inclusive of integral plasterboard finish to underside of joists. Boards tightly butted, taped and jointed to create VCL.
2. UPGRADING WALLS - TO Uvalue $0.35W/m^2K$
 - 2a. 25x47 'treated' sw battens at max 600 vertical c's and horizontal battens top and bottom. DPC strips between battens and wall.
 - 2b. Celotex PL4050 (62.5 o/a) inclusive of integral plasterboard finish, drywall screw fixed to battens, boards tightly butted, taped and jointed to create VCL.
 - 2c. Celotex lining continued around piers and 225 solid walls.
 - 2d. Celotex PL4015 (27.5 o/a) to reveals and soffits of window.
3. Upgrading Floor - TO Uvalue $0.25W/m^2K$
 - 3a. Celotex GA4060 laid on DPM ensuring continuity with DPC in surrounding walls. Floor slabs tightly butted.
 - 3b. VCL laid over Celotex insulation board, VCL turned up 100 at room perimeter, joins lapped and taped.
 - 3c. Min 18 t & g flooring grade chipboard finish, laid to manufacturers specifications.
4. NEW WINDOW AND WALL UNDER REPLACING GARAGE DOOR/FRAME
 - 4a. Window to achieve Uvalue $1.6W/m^2K$. White uPVC double glazed 'Pilkingtons K' glass - 240/a units inclusive of trickle ventilator $8,000mm^2$ openable area.
 - 4b. New trench fill foundation, continuation of extg foundation across opening width. All to Building Inspectors approval.
 - 4c. 225 solid matching brick wall to underside of window, toothed into extg wall at sides, DPC inserted and lapped with extg DPC min 150 from G/L.
 - 4d. Celotex PL4050 internal lining finish.
5. PARTITION WALL
 - 5a. 100x75 studwork @ 400 c's, 100x50 sole and head plates, clad both sides with plasterboard and skim finish, 'Earthwool' insulation infill between studwork for acoustic purposes.

BLOCK PLAN

1:500

LOCATION PLAN

1:1250



6. ROOF LANTERN - Typical Uvalue $1.4W/m^2K$
 - 6a. 1000x1250 'Ultraframe Ultrasky' Lantern, finish white PVC.
 - 6b. Roof joists doubled and trimmer joists inserted.

NEW GARAGE

1. ROOF
 - 1a. Coloured gel coat fibreglass GRP roofing system 'Polyroof' BBA certificated with GRP edge and upstand trims, laid to manufacturers specifications.
 - 1b. 18 OSB3 Oriented Strand Board t & g deck.
 - 1c. 175x50 sw C16 roof joists @ 400 c's, firings to create roof fall of 2° ie. 1:40.
 - 1d. Joists restrained to walls with 'Catnic' 30x5 galv ms straps to inner face of brickwork @ min 1200 c's.
 - 1e. PVS fascias and soffits.
2. WALLS
 - 2a. Single skin brickwork matching extg House with 225x225 piers as per drawing.
 - 2b. DPC min 150 up from G/L.
3. WINDOW and SINGLE DOOR/FRAME and LINTELS
 - 3a. White uPVC Window plus Door with glazed panel at top.
 - 3b. 'Catnic CCS' lintels over window and entry single door frame.
 - 3c. 'Catnic CN818' lintel over garage door opening.
 - 3d. Min 150 bearing at both ends of lintels.
4. GARAGE DOOR
 - 4a. 'Garador GaraRoll' roller Garage door, aluminium profiles infilled with CFC-free polyurethane foam, smooth paint finish, made to size, electrically operated.
 - 4b. Garage door fitted behind brick at sides.
5. GARAGE FLOOR
 - 5a. 100 thickness 20-30N concrete with steel mesh reinforcement on 'Visqueen' DPM on 150 compacted Type 1 granular sub base.
6. FOUNDATIONS
 - 6a. Trench fill foundations 500 width x 700 depth min 1000 o/a depth to Building Inspectors recommendations and approval.

PROPOSED NEW GARAGE and EXISTING GARAGE CONVERSION
for : MR and MRS M.KAVALLIEROU ,18A NEW BARN LANE, FELPHAM

scale

(A3) 1:1250, 1:500, 1:100

date September 2017

dwg.no.

CONS/73/1of2

revision