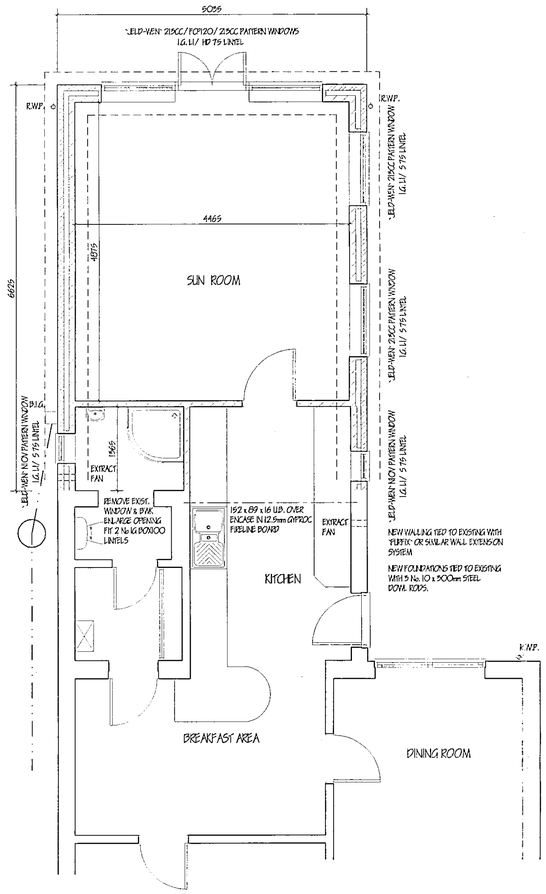
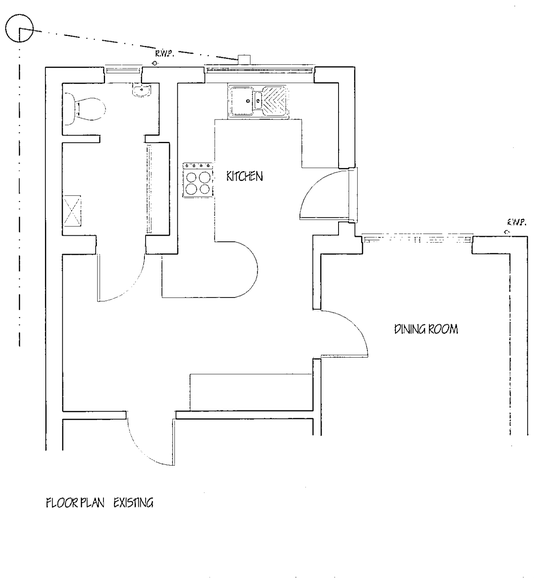


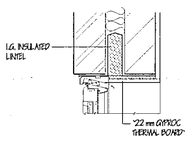
FLOOR PLAN PROPOSED



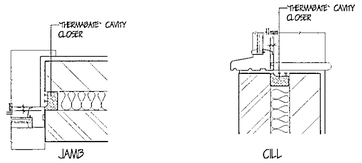
FLOOR PLAN EXISTING



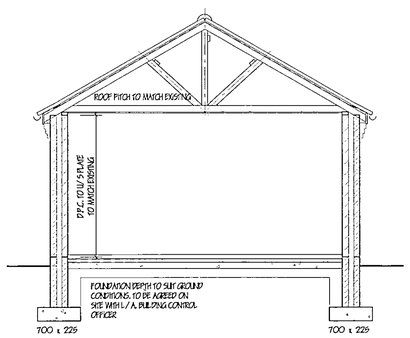




HEAD



REVEAL DETAILS



SECTION

SURFACE WATER DRAINAGE.
115mm dia. half round rainwater gutters to 65mm dia. rainwater pipes: 110mm dia. underground pipes flexibly joined to a fall of 1:70 pipes bedded and surrounded in pea gravel and discharge to 1.2m dia. soak away min. 5.0m to edge from dwelling and 3.5m from all boundaries. All footpaths and drives to slope away from building.

GLAZING.
Double glaze extension throughout with timber/ p.v.c.u windows (minimum 16mm air gap to all units with Low 'E' 0.1 Glass) max 'U' value 1.9 W/ sq.m. K excluding garage. All glazing between F.F.L and 800mm high and between F.F.L and 1500mm high in doors and side lights to be safety glass to B.S. 6206. All windows/ doors to be draught sealed.

VENTILATION.
All windows to have opening lights to give the equivalent of 1/ 20th the floor area. Provide background ventilation to habitable rooms min. 8000mm sq permanent free air ventilation per room. To all other rooms provide min 4000 sq. All following rooms to have in addition to above Wall mounted mechanical extractor fan. Kitchen to extract min. 60 litres per second. Utility rooms to extract min. 30 litres per second. Bathrooms to extract min. 15 litres per second which may be operated intermittently. W.C. to extract min. 6 litres per second with 15 minute overrun.

HOT WATER AND SPACE HEATING.
Extend and upgrade existing system as required. Ensure timer switch, suitable zone and boiler control interlocks, fit thermostatic control valves to all radiators

LIGHTING.
Provide energy efficient light fittings capable only of taking lamps having a luminas efficacy greater than 40 lumens per circuit.
External lighting to be fitted with Dawn-Dusk or movement sensors and capable only of taking lamps having a luminas efficacy greater than 40 lumens per circuit.

GENERAL
All electrical installations to be in accordance with the latest I.E.E. Regulations.
Provide hot & cold water supply to all wash basins.
All electrical switches, socket outlets, telephone and T.V. points to habitable rooms to be positioned at appropriate heights between 450mm & 1200mm from F.F.L

GROUND FLOOR CONSTRUCTION.
Strip all vegetable soil and lay floor as follows: 70mm sand and cement screed with chicken wire reinforcement on 500g polythene D.P.M. on 60mm "Celotex GA2060Z" insulation board, on 1200g polythene D.P.M. lapped continuous with D.P.C. by min. 100mm, lay 300mm wide D.P.M. strip into D.P.C. to lap floor D.P.M. All on 100 concrete over site: Concrete mix GEN4 to B.S. 5328: pt1 1991: 150 blinded and consolidated hardcore.

FOUNDATIONS.
Under walls as shown provide 700 x 225 strip concrete GEN4 mix to B.S. 5328: pt1 1991. All foundations taken down to bear on load bearing strata min. depth of 600 to top of foundations: should shrinkable soil conditions be found on site then foundations shall be taken down to a minimum depth of 1 metre below ground level. Where internal walls are taken up off floor then thicken out slab to 225 x 450 or if considered necessary be taken down to 225 x 450 foundation.

LINTELS.
All lintels to be manufactured by Messrs. I.G. Codes LI/ S 75 and LI/ HD 75 all to be installed in accordance with makers' instructions, and to have min. end bearing of 150mm and at external positions to have cavity tray D.P.C. to CP. 121: Internal lintels to be I.G. 100 Bra type. Provide Perp-end weep holes and stop ends to cavity tray

FOUL DRAINAGE
Inspection chamber construction to be "Osma" and installed in accordance with makers' instructions with the internal diameter related to the depth in accordance with B.S. 8301:1985. Foul drainage pipes to be 110mm dia. UPVC, to B.S. 4660:1985 flexibly jointed and laid to makers' instructions to a fall of 1:70 bed and surround with 100mm pea gravel: Where pipes pass under floors encase in 150mm pea gravel: Where pipes pass under drives surround in 150mm concrete with flexel joints to correspond with joints in pipe work. Provide 65 x 100 pre-stressed concrete lintel bridging where pipes pass through walls, provide compressible filler around pipe, opening marked both sides of wall with ridged sheet material and mastic seal to prevent entry of vermin. Soil and vent pipes to be 110mm dia. PVC to B.S. 4514: 1969 and to extend 900mm above window head terminating with wire balloon. Waste pipes to be generally 40mm dia. If over 3.0m long run increase to 50mm dia. All PVC to B.S. 3943: 1979 complete with rodding eyes at every change of direction: Basins and sink to have 75 deep seal traps: Shower to be raised on 150mm plinth with access plate to anti-syphon trap and 90mm waste. All redundant drains to be grubbed out or filled with lean-mix concrete. Condensation drainage from boiler flues to discharge via min. 22mm diameter pipe work through a 75mm condensation trap. Alternatively an additional trap should be provided externally to provide the required seal, an air gap should be provided between the boiler and the trap.

PITCHED ROOF CONSTRUCTION.
Interlocking concrete roof tiles to B.S. EN 490 / 491, on 25 x 38 softwood treated battens on under felt to B.S. 747 (type 1F) and in all cases to be lapped by 150 mm both vertically and horizontally. Tiles to be laid with min. head lap of 75mm and to be fixed in accordance with regard to wind speed, roof pitch and exposure category as detailed in B. S 6399, Pt 2. Tvmaplate specialist made prefabricated roof trusses to comply with B.S. 5268 part 3 1988. TRUSS CALCS TO BE SUBMITTED TO L/ A. MIN. 28 DAYS PRIOR TO ERECTION. Trusses to be at 600c/ c to a pitch of 30 deg. 38 x 100 ridge nods binder 38 x 100 ceiling binders: All trusses to be strapped to wall plate by 30 x 5 galvanised metal straps acting as anchor and lateral restraint straps at max. 1.5m c/ c. Note: provide solid bridging beneath straps: 50 x 100 wall plate bedded on sand and cement: 25 x 175 fascia boards: 6mm ext. grade plywood soffit complete with 10mm wide continuous air gap and fly proof screen: All structural timber to be min SC5 grade. stamped "DRY" or "KD" to indicate moisture content of 20% or less all in accordance with BS. 4978. Where span of trussed rafter exceeds 9.0m provide additional bracing within the plane of the webs in accordance with Truss Plate Assoc. tech. bulletin sheet 4. At roof intersection provide 25 x 100 lay boards and diminishing trusses at 600 c/ c : Install code 4 lead valley liner.

CEILINGS / INSULATION.
Roof Level: Flat ceilings lay 250mm glass fibre insulation total thickness. 100mm between joists & 150mm over Joists to provide max. 'U' value of 0.16 W/ sq.m.K. Ensure 50mm air gap over all insulation. 12.5mm Gyproc wallboard,skim finish: Provide min. 38 x 38 noggins to all plasterboard edges. All joints to be taped and filled. Provide access trap to roof space: opening to be lined with 25 x 25 planted slops. Access panel to be 12mm ply with layer of 12.7mm Fireline board fixed to face. 100mm Jablite to top surface. Provide slide bolt fastening & draught seal all round

WALLING.
215 cavity walling to consist of face brickwork to B.S. 3921:1974 fix clay bricks and B.S. 187:1978 for calcium silicate bricks: 65 cavity: build into cavity Protherm cavity wall batts insulation boarding in accord. with makers instructions and approved cert' No 84/ 1268 & 86/ 1584. 100mm Tarmac Hemelite 3.9 N/ mm2 solid insulation blocks or similar: Cavity walls tied together using galvanised iron twist ties set 750 horizontally and 450 vertically to B.S. 1243:1978 wall ties positioned at 300 vertical centres at all unbonded closures of cavity: Close cavities with "thermabate" preformed closer and provide bitumc Felt DPC to C.P. 121: All work to be carried out in accordance with BS Code of Practice 121 Pt 1. 1973. External walls to have max. 'U' value of 0.35 W/ sq.m.K. Internal walls of 100mm Tarmac Hemelite solid insulation blocks.Movement joints to be installed in blockwork in accordance with B.S. 5628 pt. 3 1985.
All to receive 17mm lightweight plaster finish.

SUB STRUCTURE WALLING.
100mm dense concrete blocks to B.S. 6073 pt.1 1981: DPC to internal wall positioned in accordance with CP 102 min. 150 above finished ground level: Weak mix concrete infill to base of cavity no closer than 225 to DPC. All brickwork below DPC to be F.L. quality.

LIMITATIONS.
This drawing is limited in the amount of information contained and does not purport to contain a full specification of the works. It is solely for the purpose of obtaining Planning/ Building Regulation approval. The drawing must not be used as a contract document alone.
All dimensions shall be taken from site from actual work. Under no circumstances shall measurements be scaled from this drawing for construction or ordering purposes.
All given dimensions shall be checked by the Builder/ Contractor and will be his responsibility from commencement of site works.
The works will not be supervised or inspected on site by C.A.D. or any representative thereof. It is the client or their appointed agents responsibility to control workmanship, substitution of materials, adherence to specification, variations to contract etc.

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STANDARDS.
All materials to be new unless otherwise stated and all components and materials etc. to be used fitted and installed etc. in strict accordance with manufacturers instruction and relevant Code of Practice.
Materials shall conform to appropriate British Standard Specification or BBA Certificate or European Code equivalent.

HEALTH & SAFETY.
The Employer / Client shall ensure that the selected contractor is conversant with and adopts all measures necessary to achieve compliance with Health & Safety legislation for Building Sites and Work Places.
The Employer / Client is advised that should the works need to comply with the Construction Design and Management Regulations an independent Planning Supervisor will be required.

SCOPE OF THE WORKS.
The works shall comprise of all that is shown on the drawing and details. Work that may not be specifically shown but may be reasonably inferred as necessary to carry out the works shall be deemed to be included.

RECEIVED
PLANNING ENFORCEMENT
0395/04

revision	date	init.	revision details.

COOPER ARCHITECTURAL DESIGN
WRIGHTS MEWS, 12A PARK ROAD, HOLBEACH, SPALDING, LINC'S PE12 7EE
Tel/Fax : 01406 423762
Mobile : 07808 125 778

Client.
MR & MRS R. MORLEY

Project.
PROPOSED EXTENSION
106 NEW ROAD
SUTTON BRIDGE
SPALDING
LINC'S.

Drawing.

DETERMINED
PLAN

Scale 1:50 1:100	Drawing No. 0318-01
Date. FEBRUARY '04	Drawn. J.C.