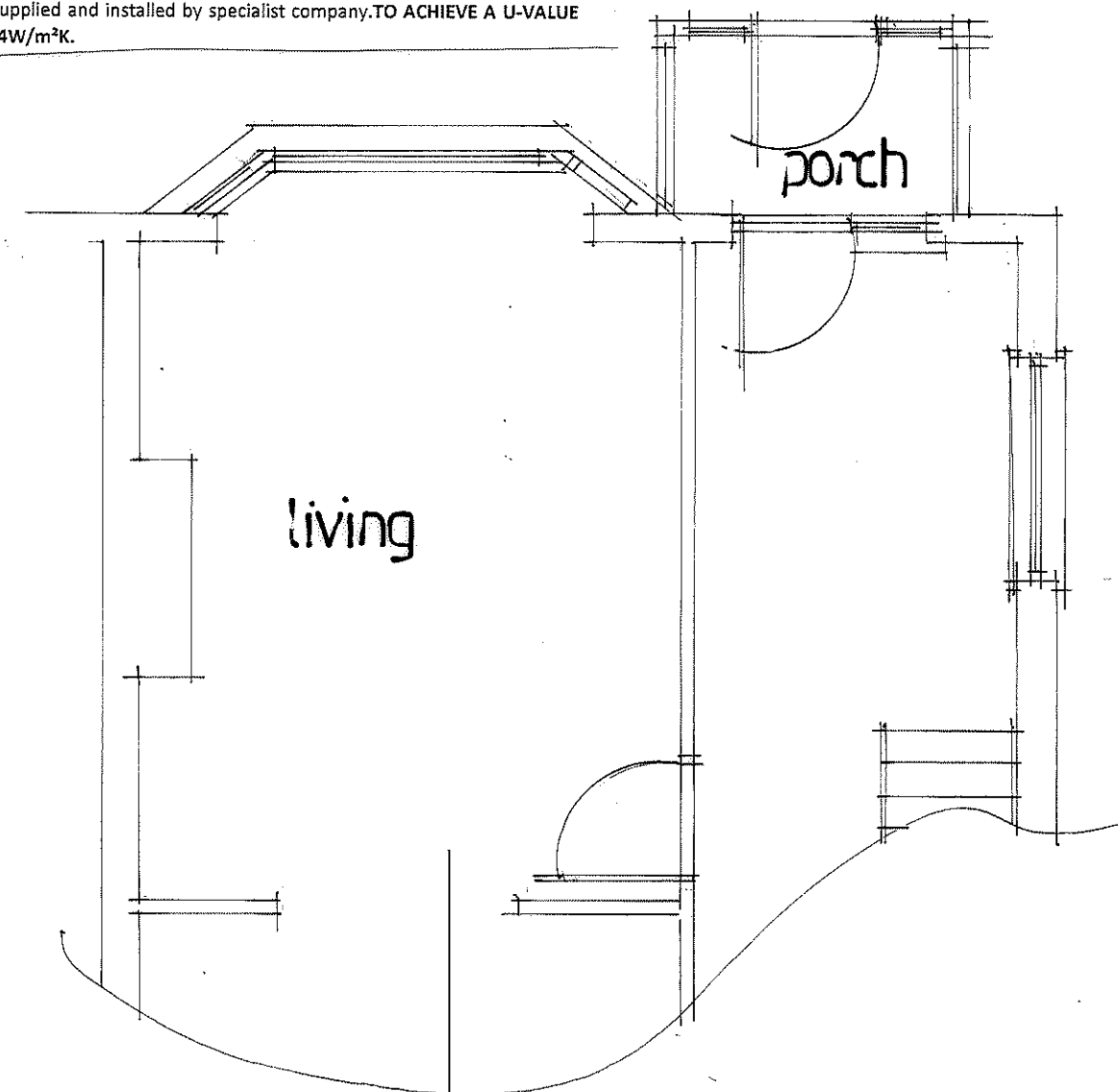
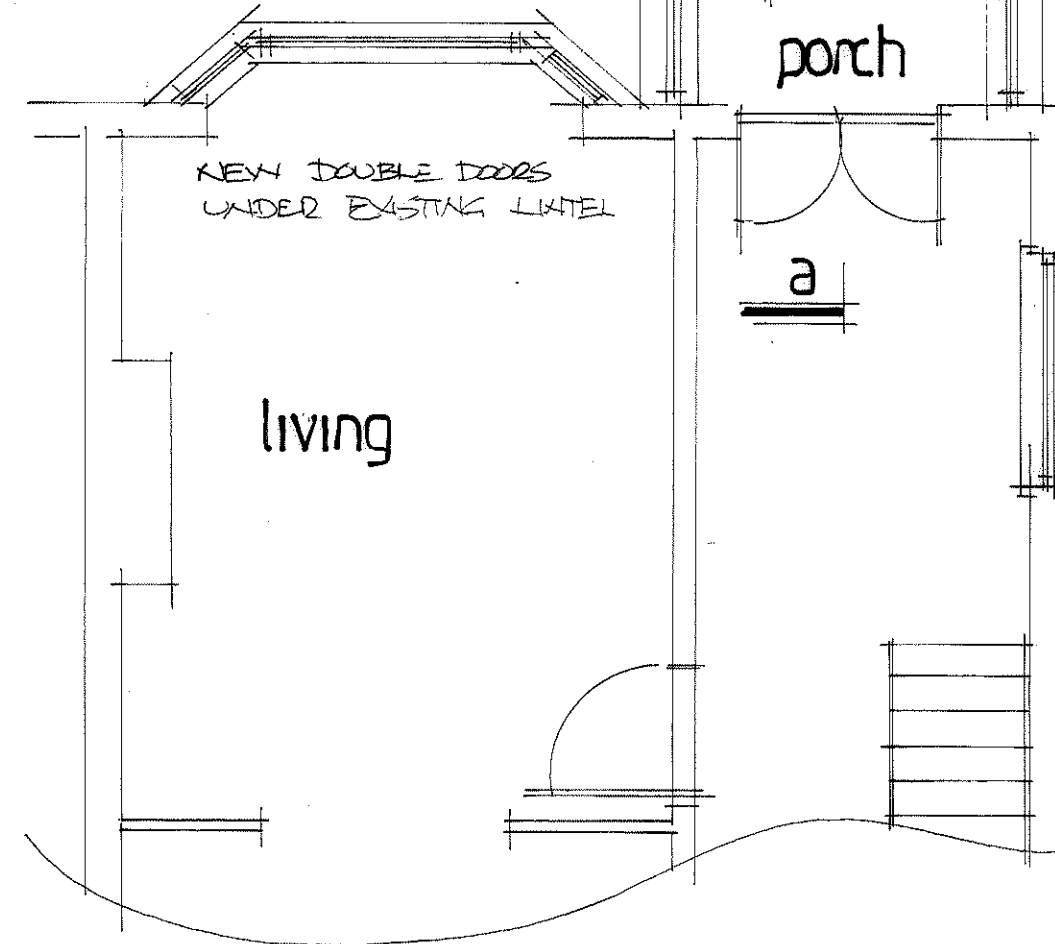


NEW AND REPLACEMENT DOORS/WINDOWS - Glazed areas to be double glazed with 16-20mm argon gap and soft low-E glass. Glass to be toughened or laminated safety glass to BS 6206, BS EN 14179 or BS EN ISO 12543-1 and Part K of the current Building Regulations. Insulated plasterboard to be used in reveals to abut jambs and to be considered within reveal soffits. Fully insulated and continuous cavity closers to be used around reveals. Windows and door frames to be taped to surrounding openings using air sealing tape. Windows to be fitted with trickle vents to provide min 8000mm² background ventilation in accordance with Approved Document F. Local authority may insist on a SAP calculation to prove areas with large amount of glazing. This will involve extra fee if required. Frames to be load bearing and supplied and installed by specialist company. TO ACHIEVE A U-VALUE OF 1.4W/m²K.



part existing ground floor

CONCRETE STEPS AND PLATFORM
TO ACCESS NEW PORCH. GOODMAN
HANDRAIL.



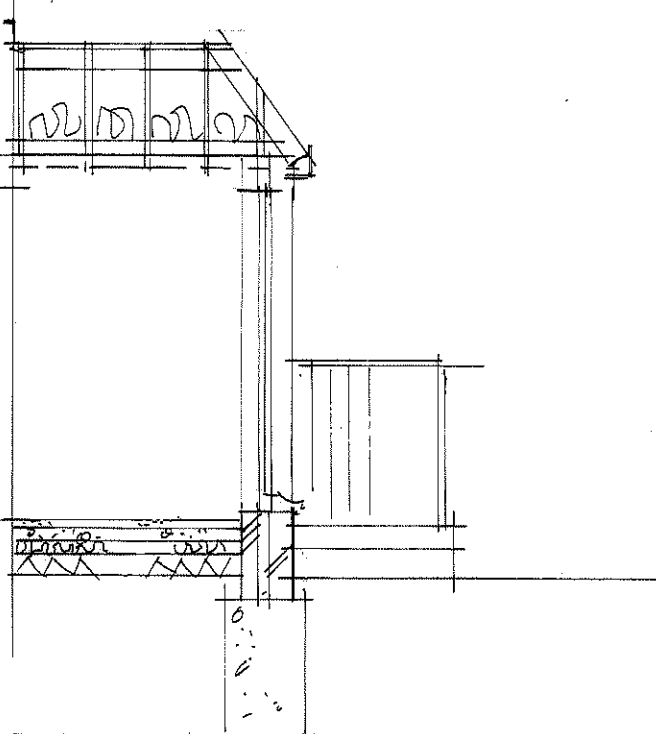
part proposed ground floor

CAVITY BRICKWORK WALL - New cavity wall to comprise of 102mm suitable facing brickwork. Full fill the cavity with 90mm 'Celotex ThermaClass Cavity Wall 21' full fill insulation as manufacturer's details, leaving 10mm cavity between the insulation and outer skin. Inner leaf constructed using 100mm lightweight block, 0.15 W/m²K, e.g. 'Celcon solar' or 'Thermalite turbo'. Internal finish to be 12.5mm plasterboard on dabs with 3mm skim plaster finish. Walls to be built with 1:1:6 cement mortar. Vertical joints in the board must be staggered and all joints tightly butted. All details including corner and junction to be as relevant BBA certificate. Location to be assessed for suitability of insulation boards. All new walls below ground to be constructed using blockwork compliant with BS EN 771 and suitable for below ground level or semi engineering brickwork. Walls to be built using 1:4 masonry mortar mix or equal approved specification to BS EN 1996-1-1. Cavities below ground level to be filled with lean mix concrete min 225mm below damp proof course. Or provide lean mix backfill at base of cavity wall (150mm below damp course) laid to fall to weepholes. TO ACHIEVE A U-VALUE OF 0.17W/m²K.

SOLID FLOOR (P/A 0.5) - Solid ground floor to consist of 150mm consolidated well-rammed hardcore. Blinded with 50mm sand blinding. Provide 100mm ST2 or Gen2 ground bearing slab concrete mix to conform to BS 8500-2 over a 1200-gauge polythene DPM. DPM to be lapped in with DPC in walls. Floor to be insulated over slab and DPM with min. 90mm 'Celotex GA4000' insulation. 25mm insulation to continue around floor perimeters to avoid thermal bridging. A VCL should be laid over the insulation boards and turned up 100mm at room perimeters behind the skirting, all joints to be lapped 150mm and sealed. Finish with 65mm sand/cement finishing screed with light mesh reinforcement. Where drain runs pass under new floor, provide A142 mesh 1.0m wide and min 50mm concrete cover over length of drain. Where existing suspended timber floor air bricks are covered by new extension, ensure cross-ventilation is maintained by connecting to 100mm dia. UPVC pipes with 100mm concrete cover laid under the extension. Pipes to terminate at new 65mm x 215mm air bricks with cavity tray over. TO ACHIEVE A U-VALUE OF 0.18W/m²K.

FLAT ROOF - 12.5mm solar reflective chippings to achieve AA designated fire rating for surface spread of flame with a current BBA or WIMLAS Certificate and bedded in bitumen on three layer felt to BS 6229 laid on 18mm external quality ply (ply optional, see manufacturer's details) on firings to min. 1 in 40 fall on treated 100x50mm C24 flat roof joists at 400mm cts. Ceiling construction to be 12.5mm plasterboard over vapour barrier with skim plaster finish. Provide cavity tray to existing house where new roof abuts existing house. Provide restraint to flat roof by fixing of 30 x 5 x 1000mm M.S. galvanised lateral restraint straps at maximum 2000mm centres fixed to 100 x 50mm wall plates and anchored to wall. TO ACHIEVE A U-VALUE OF 0.15W/m²K.

LEAD FLASHING AND
CAVITY TRAY AT
JUNCTION WITH BANK



section a-a

TRENCH FOUNDATION - Provide 750mm x 600mm trench fill foundations, concrete mix to conform to BS EN 206 and BS 8500-2. All foundations to be min. 1.0m below ground level, exact depth to be agreed on site with Building Control Officer to suit site conditions. All constructed in accordance with 2010 Building Regulations A1/2 and BS 8004 Code of Practice for Foundations. Ensure foundations are constructed below invert level of any adjacent drains. Base of foundations supporting internal walls to be 450mm x 225mm and min. 600mm below ground level. Sulphate resistant cement to be used if required. Please note that should any adverse soil conditions or difference in soil type be found or any major tree roots in excavations, the Building Control Officer is to be contacted and the advice of a structural engineer should be sought.

PITCHED ROOF (INSULATION AT RAFTER LEVEL) - Roofing tiles to match existing on 25 x 38mm treated battens on breathable sarking felt to relevant BBA Certificate. Supported on 150 mm x 50 mm grade C24 rafters at max. 400 cts. Rafters supported on 100 x 50mm treated wall plates. Allow min. 20mm air space to allow for drupe of breathable felt. Insulation to be 130mm 'Celotex XR4000' between rafters and 50mm 'Celotex GA4000' under. Fix 12.5mm foil backed plasterboard (joints staggered) to the underside of all ceilings using galvanized plasterboard nails. Finish with 5mm skim coat of finishing plaster. Joists tied to rafters (if raised collar roof consult structural engineer). 100mm x 50mm wall plate strapped down to walls. Joists and rafters to be strapped to walls and gable walls, straps built into cavity, across at least 3 timbers with noggins. All straps to be 1000 x 30 x 5mm galvanized straps or other approved to BSEN 845-1 at 2m cts. TO ACHIEVE A U-VALUE OF 0.15W/m²K.

ELECTRICAL WORKS - All electrical work required to meet the requirements of Part P (electrical safety) must be designed, installed, inspected and tested by a competent person registered under a competent person self-certification scheme such as BRE certification Ltd, BSI, NICEIC Certification Services or Zurich Ltd. An appropriate BS7671 Electrical Installation Certificate is to be issued for the work by a person competent to do so. A copy of a certificate will be given to the Council.

INTERNAL LIGHTING - Install low energy light fittings that only take lamps having a luminous efficiency better than 80 lumens per circuit watt. All fixed to have lighting capacity (lm) 185 x total floor area, to comply with Part L of the current Building Regulations and the Domestic Building Services Compliance Guide. Any recessed ceiling lights to be 30-minute fire resisting.

SAFETY GLAZING - All glazing in critical locations to be toughened or laminated safety glass to BS 6206, BS EN 14179 or BS EN ISO 12543-1:2011 and Part K of the current building regulations. E.g. 1.5m above floor level in doors and side panels within 300mm of door opening and within 800mm above floor level in windows.

A	Date	Revision
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Client MR. P. BAKER		
Job Title 61 THE DALE WIDLEY WATERLOOVILLE		
Drawing Title PROPOSED ENTRANCE PORCH.		
Scale 1:50 + 1:100		
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