HPK/2012/0140

ALL DIMENSIONS TO BE CHECKED ON SITE.

DO NOT SCALE 19 MAR 2012

IF IN DOUBT - ASK LDP

NO WORK TO COMMENCE ON SITE PRIOR TO PLANNING CONSENT BEING OBTAINED AND BUILDING REGULATIONS APPROVED.

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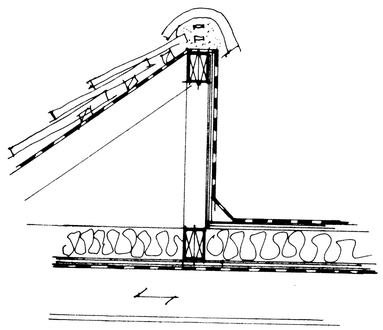

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FLAT ROOF - Sika Trocal single ply membrane (01707 394444) or similar approved or 3 layers of elastomeric roofing felt on 19mm exterior quality ply sheathing on 120mm TR21 Thermaroof insulation by Kingspan, on Vapour barrier on 19mm ply sheathing on 47x145 flat roof joists at 450mm centres C16 grade, underdrawn with 12.5mm plasterboard and skim to receive decoration. All to give a U-Value 0.16 w/m²k.
To be drained by a Wade flat roof gulley.

ROOF LANTERN - Triple glazed aluminium or pvc lantern light to provide a U-Value of 1.0 w/m²k

PITCHED ROOF - Marley Modern concrete roof tile to be as or similar to existing roof in style and pitch (approx 30 degrees). On 38x25 sw tanalised battens on Tyvek breather sarking felt - to be dressed into gutter.
All on 38x100 sw spars at 450mm centres, C16 grade, supported at high end with 2No 50x100 studding. Ex 100x75 sw wallplate treated and strapped to inner leaf with 5x30x1000 long stainless steel straps at 2000 centres. Stainless steel straps also required over 3No spars and fixed to wall to give lateral restraint. to give a U-Value 0.16 w/m²k. SW fascias and ply soffits to match existing house.

Minimum 150mm code 4 upstand flashings to be provided where roof abut wall (dressed min 225mm over tiles). Proprietary cavity trays, stop ends and weepholes to be installed above roof flashings, where roof abuts walls.

RAINWATER GOODS - All new rainwater goods to be black 100mm dia UPVC half round gutter to discharge via existing downpipe and gulley.

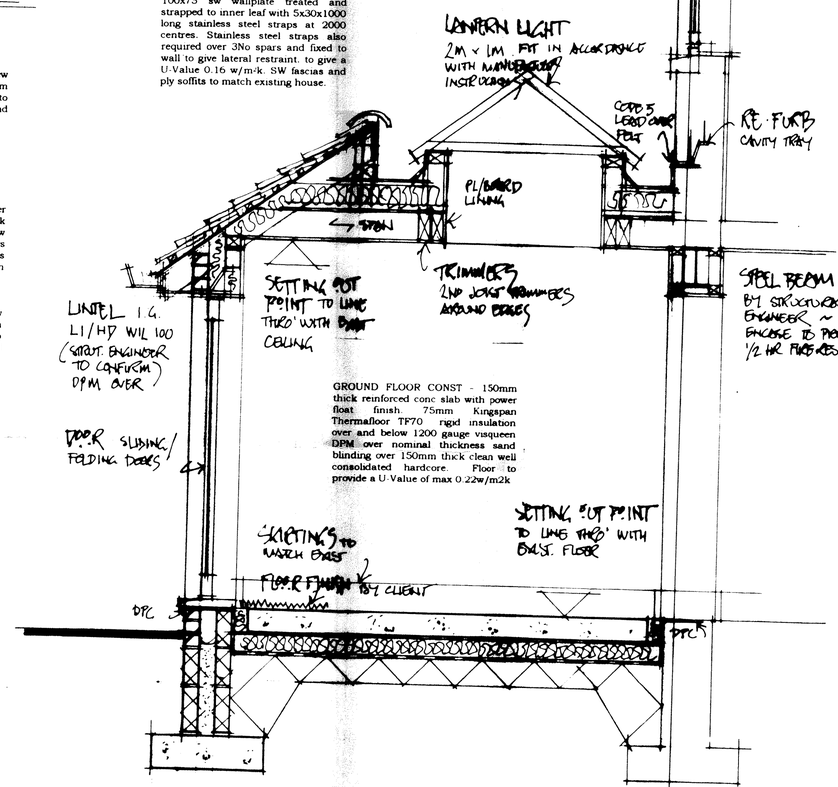
WALLS - 102mm facing brick to be as or similar to existing walls. 75mm cavity to be partially filled with 50mm Kooltherm K8 cavity board and 25mm clear cavity to 100mm medium density concrete block to receive 12.5mm plasterboard and skim to receive decoration.
Both leaves tied together with stainless steel wall ties at 450mm centres vertically and 600mm centres horizontally - staggered.
Cavity closed at openings and eaves with Thermabate 75 cavity closer vertically and horizontally to provide DPC.
Walls to provide a U-Value of max 0.28w/m2k. Cavity to extend min 220mm below lowest DPC.

LINTELS - New lintels required over new openings, to be IG L1/S50 (check existing cavity) or IG L1/S75 to new cavities, installed to manufacturers recommendations and instructions with min 150mm end bearing each side. + L1/HD WIL 100 OVER SLIDING / FOLDING DOOR

RAINWATER GOODS - All new rainwater goods to be black 100mm dia UPVC half round gutter to discharge via 75mm dia downpipe and back inlet gulley.

WINDOWS & DOORS - uPVC frames in same style as existing house. Fully draught proofed and double glazed in Optiwhite (outer pane) 16mm argon filled with aluminium spacer bar with an inner pane of Low emissity 'K' glass to give a U-Value of 1.6 w/m²k (or window energy rating - Band C - certificates of compliance provided to LA) Trickle vents required to provide background ventilation equivalent to 5000mm² or 4000mm² to kitchen/bathroom/utility - provided by window manufacturer and located so as to avoid any undue draughts and be secure. All glazing marked to be laminated/toughened safety glass.

FOUNDATIONS - To at same level as existing with a minimum dimension of 900mm from ground level to underside of footing. Or at same depth as any drain within 1000mm whichever is the deepest. Size of footing to be 710x200, high density block (7.0N/mm2) required below ground level with weak mix concrete to fill cavity below ground level - discharging via weepholes every 4th perpend.



STRUC ELEMENTS - New steelwork and padstones to be designed by a Structural Engineer and encased in 12.5mm plasterboard and skim to give 30 mins fire resistance - to be fixed in accordance with manufacturers recommendations and instructions.

SECTION X-X

HIGH PEAK
36 MALVERN RISE
PADFIELD SK13 1QW

PROPOSED EXTENSION & ALTERATIONS
FOR MR & MRS S. LYNCH

SECTION

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