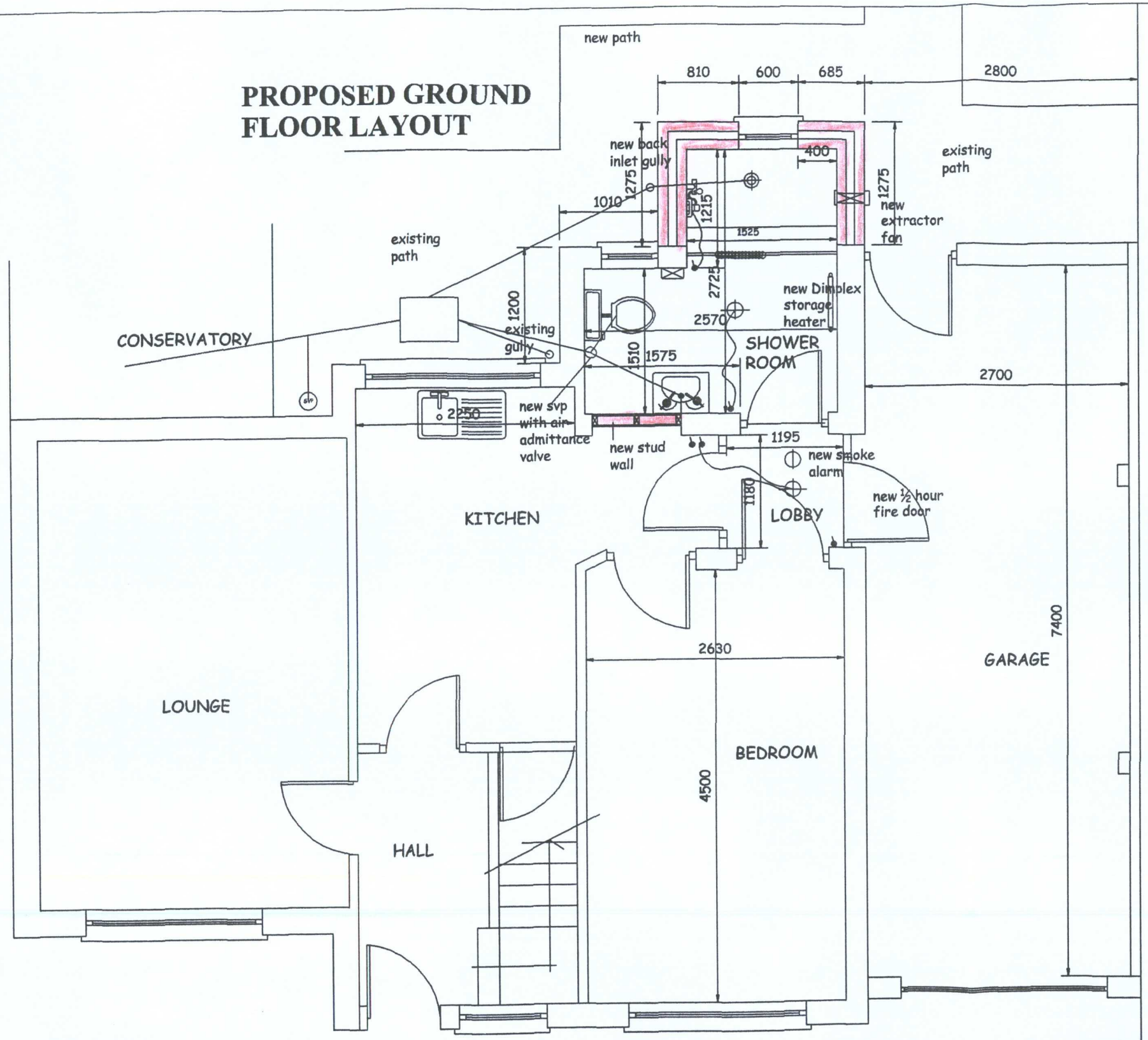
PROPOSED GROUND FLOOR LAYOUT



CONSTRUCTION

FOUNDATION

Foundations to be 1000mm depth , 600mm wide to external walls , at least 1000mm below ground level but all subject to ground conditions ,vegetation, Building Control requirement and if appropriate Structural Eng. requirements. Install DPC to both leaves 150mm above surrounding ground level. Blockwork to be joined to existing structure using suitable stainless steel fur-fix channel and ties or brickwork to be keyed into existing 100mm 3.5n blockwork to be built off thickening slab and to be laid on 100mm pvc DPC material tie into existing/new external walls using stainless steel ties @450mm vertical crs. Walls to be finished internally with 13mm thick 1:3 cement :sant render incorporating waterproof additive & finish with 5mm gypsum skimming.

EXTERNAL WALLS (Rear extension)

Construct external cavity wall comprising of 102mm matching brickwork, 85mm cavity with stainless steel wall ties at 450 mm crs vertically and 750mm crs horizontally fully fill with 85mm Dritherm up to abutment with the roof insulation including cutting and fitting around roof joists as necessary , 100mm Celcon Standard blockwork laid in thin joint (2mm) mortar system ,blockwork plastered internally. Cavity to be closed with 75 "RMC" thermabate. Form external window/door openings using IGL1 / S75 galvanised steel lintels with integral insulation. Wall below ground level to be 7N / mm2 blockwork cavity filled to within 150 of DPC. All new and existing walls becoming internal to be finished internally with 2/no coats plaster 13mm thick incorporating a waterproof additive and finished with 5mm gypsum skimming including stop and angle beads as required.` U ` value 0.29 W/m2K -

At junctions between new and existing wall construction cut out existing external skin of brickwork to allow linking of new and existing .

Catnic Stronghold or equivalent wall profiles to be used between existing and new wall and wall to be sealed at abutments with mastic externally.

GROUND FLOOR (rear extension existing toilet and pantry area)

Existing floor in toilet and pantry area to be removed and cart away

New floor construction to be : 75mm sand/cement screed on 100mm concrete slab on1200g DPM on 110mm Celotex Extra -R XR3000 flooring grade insulation with 25mm EPS placed vertically at external perimeters on 1200g DPM on 25mm soft sand on 150mm well compacted clean stone hardcore. `U ` value 0.20 W/m2K

STUD WALL

100 x 50mm softwood treated studs @450mm max vertical centers.Sole plate with DPC material below mechanically fixed to existing floor with stainless steel screws and rawplug (not to penetrate DPM). Head plate either fixed directly to ceiling joists or if running parallel noggings fixed between 2/no. joists at 600mm crs. Allow for all necessary noggins between vertical studs. 12.5mm plasterboard and skim to both sides of studs. Void between studs to be filled with 100mm mineral fibre batts. Skirting to matche existing

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Drwg. Title: Proposed Rear Extension to provide Washing Facilities	Drwg. No: DFG/TW /403588 /03 Proposed Ground Floor Layout
Scale: 1 :50 / Date: April 2009	Drawn by: M.V. / Rev: