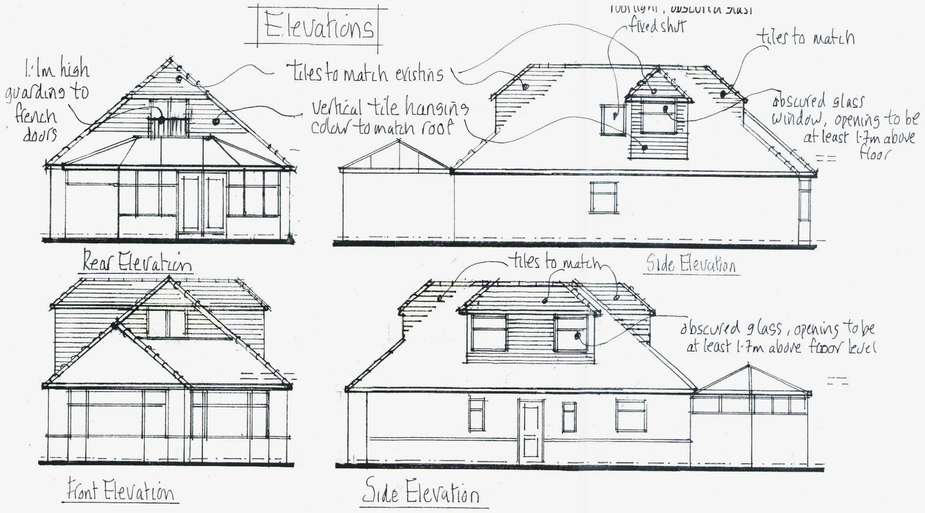
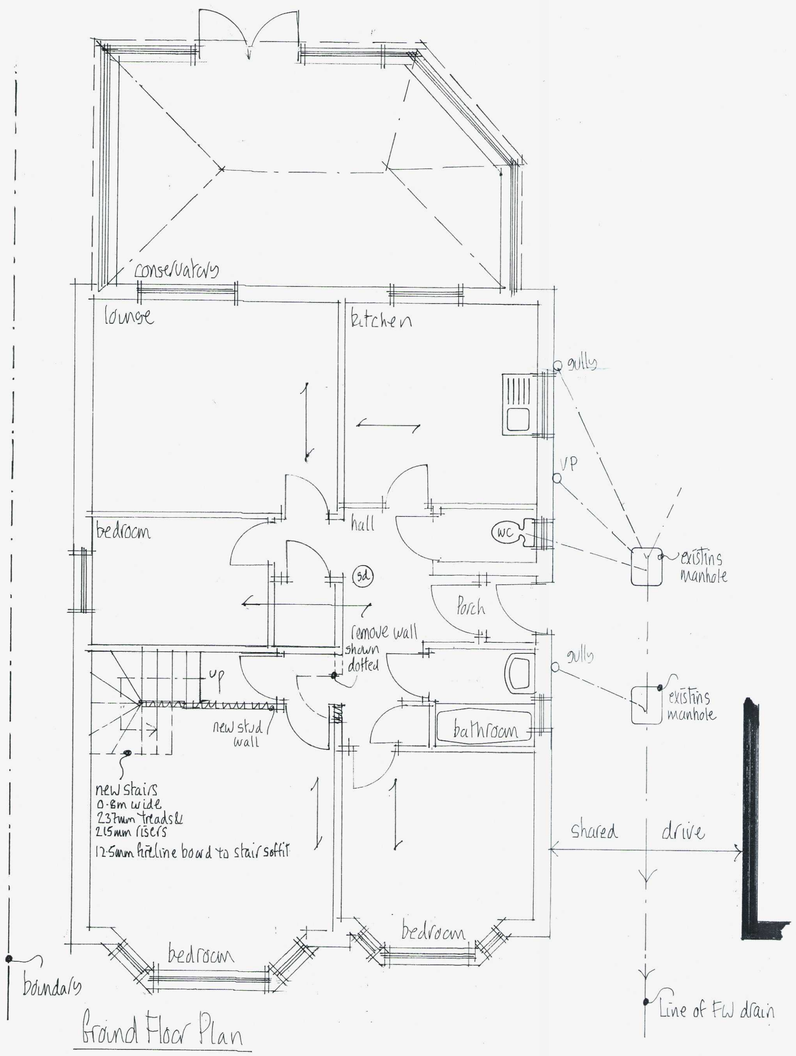
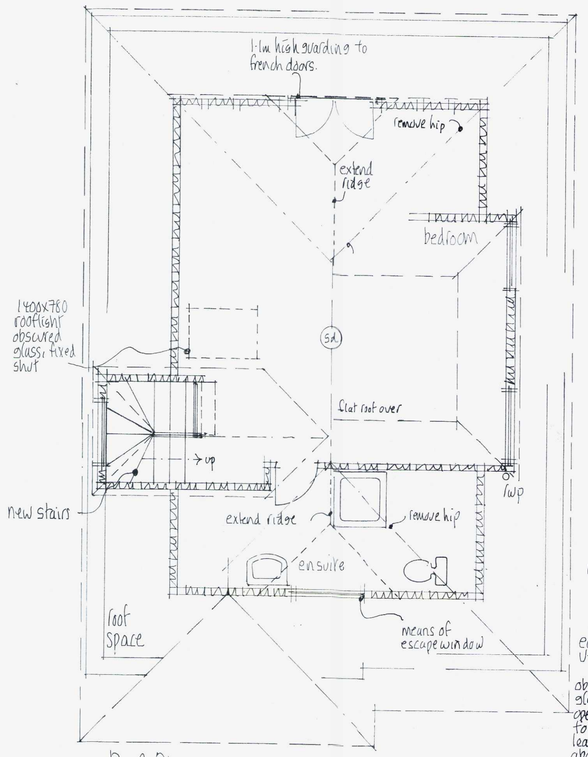
Elevations





Ground Floor Plan



Roof Plan

Building Regulation Notes

Any parts of structure covered over or inaccessible have not been inspected and no responsibility is accepted for these areas including underground. All electrics, heating, plumbing and decorations to be altered/extended all to client's choice. All lengths of proposed beams to be measured on site prior to ordering, to verify structural engineer's dimensions. All foundations and lintels taking additional loads are to be exposed and checked for adequacy and suitability for ground conditions prior to commencement of work. The building fabric should be constructed so that there are no reasonably avoidable thermal bridges in the insulation layers caused by gaps within the various elements, at the joints between elements and at the edges of elements such as those around window and door opening. Reasonable provision should also be made to reduce unwanted air leakage through the new envelope parts. The property owner is reminded of the requirement to serve a Party Structure Notice on any adjoining owner should they need to do so under the requirements of the Party Wall Act 1996. THIS DRAWING TO BE READ IN CONJUNCTION WITH STRUCTURAL ENGINEERS CALCULATIONS AND RECOMMENDATIONS

First Floor
New areas of first floor to be 22mm T & G flooring, moisture resistant grade chipboard of 15kg/m² on new floor joists at 400mm centres insulated with 100mm rockwool quilt for sound insulation as indicated on plan.

Steel beams and supports
To be clad to afford 1/2hours fire resistance encased in 12.5mm Fireline board upon a timber cradle or alternatively coated with intumescent paint (Nullifire or similar)

Dwarf stud partition
New dwarf walls are to be a minimum 100 x 50mm studding at 400mm centres with sw base and head and cross nogged. Insulated with 100mm Celotex insulation in between studwork, and over boarded with 12.0mm Celotex with 1200-gauge polythene vapour barrier under 12.5mm plasterboard and set finish.

Skellings
All new skellings to be insulated with 50mm Celotex (GA4050) between rafters, securely supported and battened to achieve a minimum airspace of 50mm over the insulation and under drawn with a further 70mm Celotex (GA4070). The joints of the insulation should then be taped and perimeter edges sealed with mastic to provide a vapour control layer. A 25mm batten should be installed on the line of the rafter onto which the 12.5mm plasterboard is fixed through to the batten. Provide ridge or high-level tile ventilators to assist cross ventilation of roof space. To be equal to a continuous strip of 5mm wide. Provide ventilation to the existing soffit equivalent to a 25mm continuous ventilation strip fitted with a fly screen. And low level tile ventilartors to assist cross ventilation of roof space.

Internal stud partitions
To be constructed of minimum 100 x 50mm studding at 400mm centres with sw base and head plates and cross noggings at maximum 1200mm centres. Insulated with 100mm quilt for sound insulation, fixed both sides with 12.5mm soundblox plasterboard finished with set

Dormers and Gable End
To be constructed of 100 x 50mm studding at 400mm centres with 100 x 100mm posts at corners and window jambs. Studding to be lined externally with plain tile hanging of colour to match main roof on 38 x 19mm battens and breather paper (Sisalkraft) on 12.5mm sheathing ply and insulated with 80mm Celotex (GA3000Z) insulation with 25mm unvented air space and then overdrawn with 12mm Celotex tuff-R TB3000, joints taped and 12.5mm gpyroc wallboard and set. Rafters to be doubled up under dormer cheeks. Provide code 4 lead soakers and flashings as necessary. External wall to stair enclosure dormer facing the boundary to be lined externally with 12.5mm Superlux and internally with 12.5mm plasterboard to achieve ½ hour fire resistance from both sides with 1000 gauge polythene vapour barrier between 100mm Celotex insulation & plasterboard finish.

Stairs
Standard timber staircase with rise, going, width and layout as shown on plan. Pitch 42 degrees maximum. Openings in vertical balustrades not to exceed 100mm. Minimum handrail height for stairs and landing to be 900mm. Handrail to be continuous top to bottom of flight, with no finger traps. Minimum headroom over pitch of staircase to be 2000mm, measured vertically above the pitch line. Minimum going at newel posts to be 50mm. ALL DIMENSIONS TO BE CHECKED ON SITE PRIOR TO MANUFACTURE

Smoke Detectors
At least one number main operated self-contained smoke alarm to BS 5446. Part 1 to be installed in the circulation space of each storey. All smoke alarms within each dwelling to be inter-connected, be permanently wired to a separate fused circuit at the distribution boards in accordance with IEE Regulations. They may operate at a low voltage via a mains transformer. Smoke alarms must be installed within 7m of the living room and kitchen door, within 3m of all bedroom doors and within 15m of each other in corridors or landings. If ceiling mounted, smoke alarms should not be installed within 300mm of a light fitting. If wall mounted, smoke alarm should not be over radiator and should be fixed elsewhere within 150 and 300mm of the ceiling.

Electrics
All electrical work required to meet the requirements of Part P (Electrical Safety) must be designed, installed, inspected and tested by a person competent to do so. Prior to completion the Council should be satisfied that Part P has been complied with. This may require an appropriate BS 7671 electrical installation certificate to be issued for the work by a person competent to do so. A minimum of 75% of all new lighting will be high efficiency type

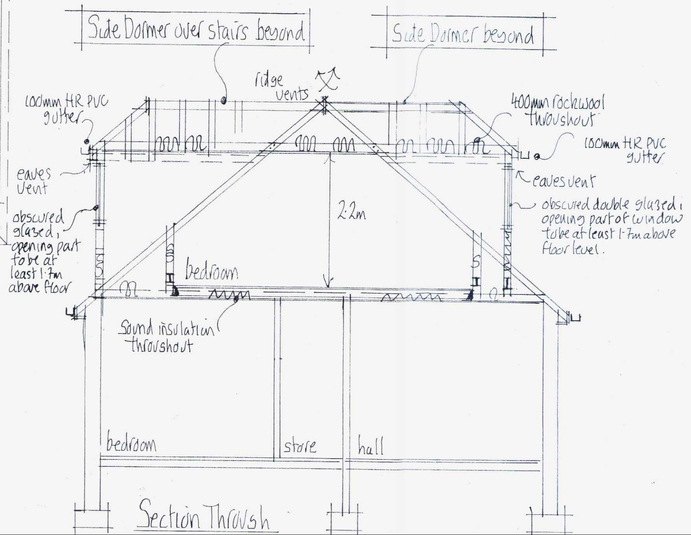
Heating
Any radiators to be installed into new rooms are to be fitted with TVR s.

Ventilation
New windows to provide open able ventilation area of not less than 1/20th of the floor area of the rooms, which they serve, all fitted with a minimum 8000mm² trickle ventilator. All new and replacement windows to be double glazed PVC C rated with 16mm air gap and a "soft" low-E coating. All glazing in those critical locations to be of toughened or laminated safety glass in accordance with clause 5.3, BS6206. The bedrooms shall have a window at least 850mm high and 500mm wide suitable for escape purposes with a cill height of between 800mm and 1100mm above floor level. Any new bathroom to be provided with an extract fan capable of extracting not less than 15 litres per second operated intermittently and ducted to external air.. Roof lights to be double glazed and AA rated. The U values of the windows will be 1.6 W/m²K and the doors 1.8 W/m²K

Foul Water Drainage
All complying with BS EN 752. All fittings to be provided with trapped waste pipes as follows: Sink, shower & baths - 40mm diameter Wash hand basin 32mm diameter WC - 100mm diameter Common waste pipes to be 50mm diameter. All traps to be 75mm deep seal & all waste pipes are to be fitted with rodding access on tight bends. Common wastes or runs in excess of 1.7m long are to be fitted with anti-syphonic traps, all to discharge into existing soil and vent pipe to be 100mm UPVC and terminate 900mm above any opening windows within 3.0m including a PVC cage. Any new drains to be 100mm diameter UPVC pipes laid and surrounded in pea beach to fall 1 in 40, provide concrete cover where invert is less than 450mm. Provide rodding access at the base of any new soil and vent pipe or stub stack.

Surface Water
Rainwater to 100m half round PVC gutter laid to falls to discharge onto existing roof.

Sanitation Hot Water Safety and Water Efficiency
There will be a supply of wholesome water (mains water supplied and stored in accordance with the requirements of the Water Supply (water fittings) Regulations 1999) to the following locations.....
a) Any place where drinking water is drawn off.
b) Wash hand basins, baths, showers and sinks.
c) Sanitary conveniences -however alternative supplies to sanitary conveniences are acceptable (e.g. harvester rainwater).
Heated (includes softened) wholesome water will be supplied to the following locations.....
Wash hand basins, bidets, baths, showers and sinks (in areas where food is prepared).
Any hot water storage and supply system installed is required to be commissioned in accordance with procedures set out in the domestic heating compliance guide .Commissioning documentation will be required at completion. Hot water storage systems should be designed and installed in accordance with BS 6700, 2006 + A1 2009. Indirectly heated unvented (closed) storage water heater should comply with BS EN 12897.2006.



Section Through

Note:
Side Dormer & Rear Gable does not form part of this application.

1:100 METRES

1:50 METRES

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Drawing Title	Proposed Details @ 37 Overhill Southwick West Sussex
Scale:	1:50, 1:100
Date:	Nov 11
Drawn by:	MJH
	A1 sized drawing
Drg No.	Rev.