

EXISTING PITCHED ROOF. Tiles, tanalised battens, breathable felt, 100 Celotex GA 4000 between rafters and 35 GA 3000 under, 12.5 foil backed plasterboard & skim.

'U' value = $0.18 \text{ W/m}^2\text{K}$
DORMER ROOF. Warm Roof - high performance felt (insurance backed guarantee) on 19ext quality ply, 96 Kingspan Thermorog T.R.31 (composite deck) between joists plus 30 of T.P.10 directly under, 12.5 foil backed plasterboard & skim.

'U' value = $0.18 \text{ W/m}^2\text{K}$
DORMER WALLS. Tile hanging on tanalised battens breathable felt, 50x100 studs with 100 Kingspan Thermowall TW55 and with 22 Gyproc Thermalise Basic internal finish.

Walls to be securely fixed to roof members including where running parallel to roof members with proprietary straps.

'U' value = $0.28 \text{ W/m}^2\text{K}$
FLOOR. Joists laid alongside existing ceiling joists & not bearing on ceiling with 100 glasswool (10 kg/m^3) between and 22 L & G flooring grade chipboard with all joints glued & with noggings to all unsupported edges to receive finishes to Client's choice.

Floor strapped to walls and where parallel to outside walls.

Provide brimming to stairwell.
note: The existing condition formerly a ceiling to roof void must be ascertained and its fire rating increased to provide $\frac{1}{2}$ hr. fr. as necessary with an underpinning of plasterboard & skim - actual thickness dependent upon existing conditions.

PARTITIONS. backing onto roof void. Shall comprise 50x100 studs with 100 rigid slab insulation between and 50 Gyproc thermal board lining & skim to inner face.

between rooms. As appropriate - shall consist of 15 plasterboard & skim or 19ext quality ply where tiled each side of 50x100 studs with 100 glasswool (10 kg/m^3) between.

In all cases noggings to unsupported edges or where necessary to hold fixtures/ fittings.

Stair enclosure $\frac{1}{2}$ hr. fr.
ROOFLIGHTS. As required shall be double glazed traditional style to id level with roof complete with all necessary flashings and with doubled up rafters each side.

'U' value = $1.6 \text{ W/m}^2\text{K}$
WINDOWS. PVCU, double glazed, 16mm gap.

'U' value = $1.6 \text{ W/m}^2\text{K}$
Trickle vents or secure partial opening equating to 8000 mm^2 . Some opening must be above 1.75m above floor.

Habitable room(s) shall have alternative means of escape complying with Part B of the Approved Document and provide an opening area of 0.33 m^2 and be at least 450 wide & 450 high

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with the bottom of the opening area 11m maximum above floor and 1.700mm max measured on the roof surface from the eaves to the vertical plane of the dormer.

GLAZING. Shall comply with the requirements of Part K of the Approved Document in all respects.

Any glazing to critical areas eg doors & screens shall comply with BS 6206:1981 in all respects.

Any screens within 300 of doors to have laminated glass.

MECHANICAL VENTILATION. As applicable Ensuite shall be mechanically ventilated capable of extracting at a rate of 30 litres per sec and which may be operated intermittently.

EXTRACT CERTIFICATE. Mechanical extract to be airflow tested & commissioned in accordance with the Domestic Compliance Guide and a Certificate given to the Council on completion.

SMOKE DETECTION. As may be required by Building Control provide a mains operated self contained system in Hall, first floor landing & also to second floor.

Smoke detectors shall be interconnected and wired to a separately fused circuit at the distribution board and be located within 3metres of any Bedroom door.

ELECTRICS. Generally all switches & sockets to be located between 450 & 1200 above floor.

ELECTRICAL WORKS GENERALLY. All notifiable electrical work should meet the requirements of the Building Regulations Part P, and must be designed, installed, inspected & tested by a competent person to do so. Prior to the completion the Council should be satisfied that Part P has been complied with, and this will require an appropriate BS 7671 electrical certificate to be issued.

STAIRCASE. See drawing for arrangement.
Site sizes to be established prior to any work ie ordering/manufacture is put in hand.

Generally 13 equal risers (220mm permitted) each going 220mm permitted.

As appropriate tapered treads should be measured at the centre with 50mm treads at the narrow end.

Unobstructed clearance at the bottom of flight to be 400mm clear of door swings.

Staircase clear width 750-800
Maximum allowable pitch 42°

Balustrading to be 900 high with 100 max gaps between balusters.

Balustrade shall be capable of withstanding a horizontal force of 0.36 kN/m^2 at 900 high.

Aggregate of going + twice rise shall be between 550 & 700

FIRE PROOFING. Any beam, joist or lintel supporting or forming an element of structure shall be encased to fabric.

EXISTING STRUCTURE. Any part of the existing structure which will as a result of the works take additional loading then that part shall be exposed as may be directed by the Council for adequacy and if not suitable be replaced or receive additional strengthening or stiffening as may be directed by the structural engineer.

PLUMBING. Shall comply with BS 5572.
Any new work shall be taken into the existing syp & which shall be taken internally, extended & wrapped in 50 glasswool to obviate condensation.

Above highest connection reduce to 7.5dia & terminating 900 above opening lights with a proprietary ball ball.

FOUL DRAINAGE. All as existing.

STORMWATER. New roof(s) shall run into existing gutters.

HEATING. Shall be provided by extending the existing 'wet' system with additional pump assistance as necessary.

Any new radiators to be fitted with thermostatic valves.

WATER SUPPLY. The provision of heated and unheated wholesome water supplies shall be from the existing supply serving as fit.

BATH TEMPERATURE. If a fitted bath is installed it shall have temperature controls that do not exceed 49°C .

SHOWER. If a shower provision is made it shall be an electric thermostatic instantaneous flow shower unit with water pressure safety valve, anti-splash device and complete with in-line de-scaler.

ESCAPE ROUTE. Half hour fire resisting doors, frames & stop required to ground & first floor affording a protected escape route, doors to be complete with intumescent and cold smoke stripping.

Floor joist under new stairs & landing area to be $\frac{1}{2}$ hr. fr. by 15 plasterboard & skim, cover strips to joints & noggings to unsupported edges.

PROPOSED ROOF VOID CONVERSION AT
47, WINIFRED ROAD WATERLOOVILLE: P07 7TD
Statutory Consents
2325-3 scale:
date: July 2017
Kanavan & Wingfield: chartered architects
2, Portland Road: Waterlooville: P07 7TN
HAVANT BOROUGH COUNCIL
13 SEP 2017
RECEIVED