

Boof Ventilation:- Provide ventilation to entire pitched roof void with continuous unobstructed proprietary 10 mm wide ventilating strip at roof facias junction fit proprietary insulation restrainers at eaves abutment to prevent oof insulation blockin g cross ventilation of the roof void. Boof Coverings:- Fit tiles manufacturers instructions on 38 x 25 mm tannalised battens on 1 layer of untearable roofing felt to BS747. Weathering cavity wall and mono pitched roof abutment: Fit code '4' lead cavity tray with 150mm supported upstand plus code '4 flashings at roof and avity wall abutments. Mono pitched roof abutment:- Provide ventilation to entire roof void with continuous unobstructed proprietary 10 mm wide ventilating strip at roof facias unction. Provide ventilating tile vents located at high level at sufficient entres as to provide t he equivalent of a continuous 5 mm strip at mono ridge Ventilation:- Habitable rooms to have ventilation openings of at least 5% of the floor area, with some part at least 1.75m above the floor: together with 3000sqmm of controllable, secure and draught free background ventilation (min opening size 8 mm). Ventilation:- Bathroom to have ventilation openings, together with mechanical extractor with a min capacity of 15 litres per second wired independently from lighting circuit with built in timer set for a 15 minute over run together with 4000sgmm of contr ollable, secure and draught free background ventilation (min opening size 8 mm). Ventilation:- Kitchen to have ventilation openings, with some part at least 1.75m above the floor: together with 8000sqmm of controllable, secure and draught free background ventilation (min opening size 8 mm) together with nechanical extractor with a min. capacity of 60 litres per second or 30 litres per second if located adjacent to hob. Ventilation:- utility to have ventilation openings, with some part at least 1.75m above the floor: together with 8000sqmm of controllable, secure and draught free background ventilation (min opening size 8 mm) together with Machine a stractor with a min capacity of 30 litres per second. Ventilation :- Ground floor W.C. to have mechanical extractor with a min. capacity of 6 litres per second independently wired from lighting circuit with built in timer set for a 15 minute over run together with 4000sqmm of controllable, secure and draug ht free background ventilation (min. opening size 8 mm). Smoke Detection: Install self contained interconnecting smoke detectors wired from dedicated mains circuit at maximum distance of 3 metres from all bedroom doors and 7 metres from any other room. Note: Smoke alarms to be installed to manufacturer's inst ructions at least 300 mm from any wall, light fitting or heat source and to conform to BS 5446: Part 1. Surface Water: Surface water to discharge from pitched roofs via min 100 mm diameter gutters set at min 1:60 fall and fixed to fascia at max. 1m centres via new 68 mm internal diameter down pipes located as indicated on drawing via new 100mm dia underground u.P.V.C. soil pipe run set at min 1:40 fall and surrounded in 100mm of fine pea beach to new soakaways with overflow to existing storm drain. Note:- Soakaways to be located a min 5 metres from nearest building. Actual size of soakaways to be determ ined by conducting soi percolation test. (provide inspection chambers at all changes in direction of pipe runs as indicated on plan). Invert Levels: Final invert levels to be determined on site to new inspection chambers but to be calculated to give a min fall of 1:40 to existing manhole that discharges to existing storm water sewer. Kitchen Sink:- to discharge via 76 mm deep self sealing anti siphon trap via 42 mm diameter waste pipe at 1:40 fall via 76 mm deep trapped 100 mm dia bottle gully with built in rodding eye via 100 mm dia underground u.p.v.c. pipe run set at 1:40 fall and surrounded in 100 mm of fine pea beach via new 250 mm diameter u.p.v.c. inspection chamber with an invert level not exceeding 600 mm below existing ground level via 100 mm dia underground u.p.v.c. pipe run set at 1:40 fall and surrounded in 100 mm of f ine pea beach via existing manhole and on to main sewer. Bath & Basin in bathroom and basin in ground floor w.c. and utility room sink:- to discharge via 76 mm deep anti siphon trap via 42 mm diameter waste pipe set at 1:40 fall via 100 mm dia u.p.v.c. soil stack via 100 mm dia underground u.p.v.c. pipe run set at 1:40 fall and surrounded in 100 mm of fine pea beach via new 250 mm diameter u.p.v.c. inspection chamber with an invert level not exceeding 600 mm below existing ground level via 100 mm dia underground u.p.v.c. pipe run set at 1:40 fall and surrounde d in 100 mm of fine pea beach via existing manhole and on to main sewer. W.C's.:- to discharge via 76 mm deep trap via 100 diameter waste pipe set at 1:40 fall via 100 mm dia u.p.v.c soil stack via 100 mm dia underground u.p.v.c pipe run set at 1:40 fall and surrounded in 100 mm of fine pea beach via new 250 mm diameter u.p. v.c. inspection chamber with an invert level not exceeding 600 mm below existing ground level via 100 mm dia underground u.p.v.c. pipe run set at 1:40 fall and surrounded in 100 mm of fine pea beach via existing Note:- Final invert levels to be determined on site to new inspection chamber but to be calculated to give a min fall of 1:40 to existing manhole that lischarges to existing manhole. Inspection Chambers: Invert levels at new 250mm diameter circular u.P.V.C. nspection chambers not to exceed 600mm below ground level. Invert levels at new 450mm diameter circular u.P.V.C. inspection chambers not to exceed 900mm below ground level. Underground Pipe Runs: All foul & storm water pipe runs less than 600mm below ground level are to be protected by a 75mm thick grade ST1 concrete capping with a min 100mm layer of fine pea beach between top of pipe and underside of oncrete capping. Note:- All Underground pipes to be in u.P.V.C. to BS4514. Soil Stack: (Provide rodding eyes at all changes in direction) to terminate a min 900mm above the head of any opening window that is within 3000mm of the head of the stack, stack to terminate via proprietary ridge tile vent. Note S.V.P.s Serving first floor bathrooms to have low level rodding eye Heating System:- -Warmworld UK Ltd Natural gas fired balanced flu condensing boiler. Model: Warmworld HE 70/80 Power: 30.6kW. SAP seasonal efficiency: 87% Efficiency category SEDBUK: Balanced flue to be provided with a metal guard if within 2000 mm of external ground level with outlet located a min 1000 mm away from any opening window or door and a min 600 mm below any soffit. Low pressure hot radiators to all rooms with thermostatic zone control valves to all radiators for control of temperature diff erential between bedrooms and iving rooms. Programmable timer to be fitted for control of entire system. Fit suitable thermostat linked to programmer and immersion heater standby with suitable thermostat linked to programmer and immersion heater standby with on off programmer. All hot and cold water supplies and pipes and water storage facilities in unheated areas, i.e. within loft space and within 1 metre of the hot water cylinder to be insulated with appropriate diameter insulation to suit pipe diamete rs, water storage and expansion tanks in loft space to be encapsulated with 250 mm thick fibre glass quilt (do not insulate directly under the water tank otherwise this will prevent heat from rising and the pipes will freeze). Meter positions and gas and water pipe installations to comply with Gas and Water Board regulations and standards. Double Glazing: All windows are to be u.p.y.c. frames with double glazed

panes) all opening sashes and door frame rebates to be fitted with airtight

Loft Hatch:- Loft hatch to be insulated as roof space with air tight draft excluder fitted around perimeter of min. 30 mm rebated lockable catch to be fitted in order to prevent wind lift.

dimension of less than 800mm.

rubber seals, new frames to be timber. Total glazed area not to exceed 25% of

proposed floor area, proposed new windows to have an indicative 'U' value not exceeding 2.0W/msqK. Note:- Fit toughened safety glass to requirements of BS6206 to all glazed critical areas such as windows with a floor to cill



