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Shazad Mahmood
Tide Development Ltd

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Dear Mr Mahmood

SUMMARY OF COMPLIANCE CRITERIA FOR BUILDING REGULATIONS PART G

Re: Part G water calculation for one new dwelling at 18-20 Vicarage Road, Hampton Wick, KT1 4ED.

Water Efficiency

In order to comply with Part G new homes must not exceed a water efficiency standard of 125 litres per person per day. This property must achieve 110l per person per day (including an allowance of 5l or less per person per day for external water consumption).

Based on the information you have provided to us we have calculated the total predicted water consumption per person per day for the dwelling to be 108.84 litres. I am therefore pleased to say the proposed dwelling satisfies the Part G compliance criteria for water consumption.

The result of this calculation is contingent upon:

- Bathroom and WC sink mixer taps to have a flow rate no greater than 5 litres per minute;
- Kitchen tap to have a flow rate no greater than 9 litres per minute;
- Dual flush WCs to have a full flush volume of 6 litres or less and part flush volume of 3 litres or less;
- Showers to have a flow rate no greater than 7 litres per minute;
- Baths to have a capacity no greater than 200 litres;
- Washing machine to use no more than 8 litres per Kg dry load;
- Dishwasher to use no more than 0.9 litres per place setting;
- No water softener;
- No waste disposal; and
- No use of grey water or harvested water.

Hot Water Safety

Heating and hot water installation to comply with the Domestic Heating Compliance Guide.

In order to comply with Part G, baths in new homes are required to have thermostatic control of water temperatures such that water should not exceed 48°C.

Options for compliance include:

- Installing bath mixer-taps with built-in thermostats; or
- Installing an under-bath thermostat. This is a form of thermostatic mixing valve and limits the maximum temperature of hot water flow into the bath.

If you have any questions regarding the Part G water calculation, then please do not hesitate to contact me.

Yours sincerely,



Harry Davey