

Waterdell Lane - Roof Volume Calculations

Existing House

Main roof - 22.13m³

Front Porch – 0.7m³

Total – 22.13m³

Previous Additions

Rear hipped roof over second floor – 13.5m³

Front hipped roof over first floor – 2.61m³

SUBTOTAL – 16.11m³

Proposed Additions with this submission

Hip to Gable addition – 13.25m³

TOTAL ADDITIONS TO ORIGINAL – 29.36m³

NB. Area where second floor is built in the eaves on side elevation not counted as roof space in this calculation as it assumed as second space into a vaulted ceiling [no roof void]. For reference the cubic capacity of the second floor that is built into the eaves is 18.1m³.

Page 34 of the GDPO technical guidance notes the following:

“(d) the cubic content of the resulting roof space would exceed the cubic content of the original roof space by more than - (i) 40 cubic metres in the case of a terrace house, or (ii) 50 cubic metres in any other case”

As noted the calculated resulting roof space of the proposed addition (and the previous additions) results in an additional roof space of 29.36m³, which does not exceed original roof space by more than 50m³ limit for a house of this type, in line with the above wording.