

THERMCALC LTD

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Mr D. McCarthy
DCM Architectural Consultants Ltd
25 Pigeon Lane
Herne Bay
Kent, CT6 7EH

Our Ref: J5067
07 October 2019

Dear Dan

RE: Units 1 to 3, 66 Borstal Hill, Whitstable, Kent, CT5 4NB.

I am pleased to enclose your SAP rating calculations in accordance with Approved Document L1A SAP 2012 regulations:

Design specifications: - (Any changes to the design may fail the SAP)

- Primary Heating – An Alpha Intec 40GS with a weather compensator; (Check suitability with Alpha Boilers)
- Heating Controls - Time temperature zone controls;
- The glazing & external doors will need to achieve a maximum U-value of 1.20;
- An air permeability reading of $5\text{m}^3/\text{h}/\text{m}^2$ @50Pa or lower when tested;
- Ground Floor – Beam/Medium Dense Block/150 Kingspan TF70/Screed, Wall 1 – Brick or (Weatherboard/Battens/100 Medium Dense Block)/51 Cavity/140 Timber Frame Insulated With 120 Celotex XR4000 Between Studs/12.5 P'bd, Wall 2 Dormer Cheeks – Weatherboard/Battens/9 OSB/140 Timber Frame Insulated With 120 Celotex XR4000 Between Studs/12.5 P'bd & Sloping Roof – 150 Kingspan K7 Between Rafters/52.5 Kingspan K118 Under Rafters & Flat Roof – 150 Kingspan TR27 Over Joists;

Pressure testing will need to be carried out on completion of the above dwellings and the results passed to Thermcalc Ltd for as built SAP calculations and EPC.

These calculations should be submitted to the checking authority for approval.

An invoice is enclosed for the above calculations.

If I can be of any further assistance at any time, please do not hesitate to contact me.

Yours sincerely

M. Attlesey

Mark Attlesey HNC Ceng OCEA
Encs

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VAT Registration No. : 924 3917 16

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