EPSGroup
Energy Consultancy & Compliance Services

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SAP Calculation Design Stage Summary

The Design Stage SAP calculation(s) which we have issued for the project below are based upon the following specifications as detailed within the drawings and specifications provided and any subsequent correspondence with you and your design team.

It is important that you adhere to the specification outlined below, as any deviation from these design parameters during the construction will more than likely have an immediate impact on the calculated SAP result(s).

If changes are to be made, subsequent enhancements may be required elsewhere within the specification in order to maintain overall Part L compliance. We would therefore urge you to contact us in a timely manner with details of any potential changes before they are adopted, so that we may model the overall effect on the SAP Assessment and advise you further.

In the event that the Design Stage specifications are altered without consultation, EPS Group shall accept no liability for any subsequent failure to comply with Part L1 of the Building Regulation upon completion of the project.

Job Details			
Job Description:	SAP - 110 Tottenham High Road, London		
Client Name:	Mr Michalis Vasiliou	**Number of Units:**	1
Reference Number:	1396	**Build Type / Plot Number(s):**	Detached House
Date:	22/01/2016	**Applicable Edition of Part L:**	Part L 2013

Build Specification		
Thermal Element	**Target U-value (W/m^2K)**	**Description**
Ground Floor	**0.12**	Solid ground floor – 75mm concrete screed, Celotex 150mm FR5000, 150mm reinforced concrete, 150mm sand blinded hardcore.
Floor (Other)	**N/A**	N/A
External Wall	**0.24**	Cavity wall – 100mm brick outer leaf, 50 airspace/cavity, 50mm Celotex GA4000, 100mm Thermalite Shield block inner leaf, plasterboard on dabs.
Sheltered Wall	**N/A**	N/A
Dormer Wall	**N/A**	N/A
Stud Walls to Loft Space	**N/A**	N/A
Party Wall	**N/A**	N/A
Pitched Roof –	**N/A**	N/A
Pitched Roof – Sloping	**N/A**	N/A
Flat Roof	**0.15**	18mm decking plywood, 135mm Celotex TA4000, 18mm decking plywood, 225mm bridged airspace/cavity, plasterboard finish.
Windows	**1.4**	Double glazed, argon filled, Low-E, En=0.1, soft coat, PVC-u frame
Rooflights	**N/A**	N/A
Entrance Doors	**1.4**	Half glazed door - Double glazed, argon filled, Low-E, En=0.1, soft coat, PVC-u frame

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Air Pressure Test Target Figure(s) ($m^3/m^2.h$)	5.3
Air tightness test(s) will be required upon completion of the building work. It is important that the developer is aware that air permeability test(s) will be required, as poor detailing and workmanship on site will cause excessive air leakage and failure of the test(s). **Please note that we can provide you with a discounted fee for the provision of an air test(s). For a quotation please contact us on 0115 727 0599 or via email at info@epsgroup.co.uk upon completion of the building work.**	

Space & Water Heating & Controls	
Type	Condensing Combi Boiler
Make & Model	Ideal Vogue c40
Fuel	Mains Gas
Heat Emitters	Radiators
Heating Controls	Delayed Start Time & Temperature Zone Control
Additional Heating Controls	N/A
Secondary Heating System	N/A
Hot Water Cylinder (If Applicable)	
Cylinder Capacity (in litres)	N/A
Make & Model	N/A
Insulation Type & Thickness	N/A
Declared Loss Factor (kWh/day)	N/A
Ventilation	
Type	System 1 - Intermittent Extract Fans
Make & Model	N/A
Lighting	
Internal Lighting that is Low Energy (%)	100
Alternative, Low or Zero Carbon (LZC) Technologies	
Technology Type	None
System Details	N/A

Thermal Bridging	
Details	Other
Other Details	Thermalite Partial Fill
Thermalite blocks partial fill thermal bridging details have been included within this assessment, it is very important that these details are followed. Evidence of use will be required for the As Built assessment. A copy of the details to be adopted has been included with this specification	

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As Built Stage

Job Details	
Job Description:	SAP - 110 Tottenham High Road, London
Reference Number:	1396
Build Type / Plot Number(s):	Detached House

Upon completion of the works, we will be happy to provide you with an upgrade to an 'As Built' SAP Calculation and an associated Energy Performance Certificate (EPC) in accordance with our original quotation.

In order to complete this work, we will require you to return a signed copy of this form as confirmation that the dwelling(s) have been constructed as per our design SAP assessment, together with the following:

Documentation	Enclosed
Completed Air Test Certificate (if not tested by EPS Group)	
Thermal Bridging Checklists (as above)	
Full postal address of the dwelling(s)	

The As Built SAP and EPC will be issued within 5-7 working days of you providing the relevant information.

If there have been any changes since the design SAP assessment, we would be grateful if you could provide details in the box below or email us at info@epsgroup.co.uk

Please be aware that if any significant amendments are required to the design SAP Calculation(s) as a result of changes to either the finalised build specification or build form of the dwelling(s), a charge of £35+VAT per hour shall be levied in accordance with the Terms and Conditions attached to our original quotation.

I can confirm that the construction works have been carried out in accordance with the above build specification:

Signed: Date:

Name: Position:

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