



Commercial SBEM Checklist

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Call us today on 01525 303 905
to speak with an adviser or visit
aptsoundtesting.co.uk

To enable us to undertake your SBEM Assessment on your new commercial building we will require the following information:

1. Working drawings to scale and fully dimensioned, this must include:

- Floor plans for all floors
- Elevations.
- Sections.
- Site / location plan with North indicated, and any buildings within a close proximity to the dwelling to be assessed.

2. Building Specification to include the following;

- Wall constructions
- Floor Constructions
- Roof Constructions

3. All window and door details including;

- Frame material
- Glazing specification such as double low e argon filled 12m gap.

4. Ventilation specification (i.e. is mechanical ventilation heat recovery specified),

- Including manufacturers details
- All extracts clearly marked on the drawings

5. The main heating specification including;

- The type of water heating to be used (i.e. gas fired boiler)
- Manufacturers description of boiler if known or minimum efficiency.
- Emitters i.e. radiators or under-floor heating please indicate any radiator positions on the drawings
- Controls (please note minimum requirements by Building regulations
- Any Secondary heating to be installed including manufacturers details if known

6. Water heating details including;

- Cylinders to be installed including heat loss factor or the specification of the insulation applied to the cylinder, and the position of the cylinder indicated on the drawings.
- Insulation to the pipe-work
- Specification of thermal stores CPSU, Combi Keep hot, heat pumps, or use of summer immersion if to be installed.

7. HVAC type:

- Single or dual duct vav
- Constant volume fan coil
- Active chilled beams
- Split or multi-split
- Other (please specify)

8. Cooling

Cooling system to be installed: air or water cooled chiller remote condenser chiller heat pump
make: model: efficiency (seer,

9. Renewable technology if present

- Solar Hot water
- Collector type, Orientation, Pitch, Any over shading (indicated on site layout), Gross / nett area, Zero loss
- Collector efficiency Heat loss co efficient of collector, dedicated volume of solar store if present
- Electrical power supply of solar pump (mains / PV)
- PV - Installed Peak Power kWp , Orientation, Pitch, any overshadowing
- Wind Turbines - Number, Rotor diameter, Average wind speed, Height above

10. Light fittings including any low energy light fittings both internal and external

11. All occupancy will be assumed as standard unless otherwise specified

12. Any thermal bridging details i.e. accredited construction detail please note that a standard value of 0.15 will be used unless otherwise stated by client.

13. Details of window openings.

14. Any blinds to be fitted. If the conservatory if present is to be heated Any other special features.

If you have any questions in regards to Commercial SBEM then please ring our office to discuss them. We are here to help you achieve a pass at the first attempt.