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Energy Statement ref – Development of 6 Units at C2 Bryn Cefni Industrial Estate, Llangefni, Ynys Mon

EAS (Anglesey) Ltd are a fully Accredited provider of Part L/ SAP & SBEM related calculations used to demonstrate compliance to all versions of Part L of the Building Regulations. We have been carrying out these works to all sectors of the construction industry since 2005 and have successfully completed many thousands of schemes in that time. All references to the scope and validity of our works can be supplied.

We have been asked to supply an energy statement to support the above development and to state the principles of how we will achieve the required Target Emissions Rate (TER) and Target Primary Energy Consumption (TPEC) as set by Building Regulations (2014) in Wales.

We will adopt the use of a well-insulated thermal fabric that improves on the minimum U-values set within the Approved Document Part L2A.

We propose to use high performance building services to include low energy lighting throughout and well controlled gas fired heating and hot water systems.

As part of our remit we have considered various renewable technology options such as Photovoltaic and Solar thermal arrays/ Air and Ground Source Heat Pumps/ Biomass systems/ Community systems/ Mechanical Ventilation Heat Recovery (MVHR)/ CHP systems etc.

In order to achieve the minimum standards required by Building Regulations, we propose for a min 2 kW Photovoltaic array to serve each unit.

With an application to this particular site, it is noted that daily usage of the buildings will entail the main front doors of the units to be open most of the time, options are therefore considered within this brief.

Approved formal SBEM calculations will be supplied to confirm that an improvement in current Building Regulations Part L2A in Wales has been achieved.

I trust that this meets with approval.

Nick Weston.

