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Advisory Note

04/02/2009

Our Reference: F/2008/1135 DR/JV

Re: Erection of dwelling at Bunnisnagapple Brookeborough

The Building Regulations (NI) 2000 (as amended) Energy Performance

In order to comply with Part F (Conservation of Fuel & Power) it has been necessary to calculate the Target Carbon Dioxide Emissions Rate (TER) for the proposed dwelling. The TER is the minimum acceptable energy performance and is the target established for the mass of carbon dioxide produced by the dwelling and is given in units of kg per m² of floor area per year. This target is for the provision of heating, hot water, ventilation and fixed internal lighting for a standardised household.

A Dwelling Carbon Dioxide Emissions Rate (DER) has also been calculated based on the dwelling details as proposed (**the DER must be equal to or less than the TER**). When the dwelling has been completed you will be required to submit a further calculation to confirm that the DER for the dwelling as built does not exceed the TER.

The calculation is carried out using Standard Assessment Procedure (SAP) 2005 and details for your dwelling as designed are as follows:

SAP 74 TER 28.92 DER 28.39

Please note that any changes from the standards specified on the approved plans are likely to affect the DER. The form of heating (both primary and secondary) has a substantial impact on the DER in addition to several other considerations for example, the type of insulation used, size of windows etc. You are advised therefore to ensure strict compliance with the approved plans and details as enclosed.

Your builder will be required to demonstrate that an effective system of inspection is in place to ensure that the construction standards achieve the required level of consistency.

When the dwelling is complete it will be necessary for you to arrange for an air permeability test to be carried out **if** the pressurisation test design value used in your SAP calculations is less than 15. The results of this test are taken into account when calculating the DER for the completed dwelling.

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