

## ENERGY EFFICIENCY MEASURES (POLICY S13) AND PART L (VOLUME 1) OF THE APPROVED DOCUMENT

- The proposed extensions will be built to the latest standards specified in Part L Volume 1 (Dwellings) of the Approved Document including roof (0.15), floor (0.18) and wall (0.18) insulation elements to achieve the specified requirements.
- The proposed side and front extensions envelop a large area of the existing premises, which will have additional thermal benefit to the existing living accommodation.
- The reduced window opening and proposed window replacement in the Living Room will achieve 1.4 Wmk. In addition recently replaced windows to the existing premises have also increased energy efficiency.
- Existing Bedroom 3 and Boxroom within the new extended Master Bedroom and Dressing Room will be upgraded with new floors and insulated wall linings to increase energy efficiency.
- Solar PV (photovoltaic) panels are proposed to assist in providing electrical power to both the existing premises and proposed extensions. The system will work in conjunction with a highly efficient fully condensing combination replacement gas boiler with a minimum SEDBUK rating of 92%.
- Roof insulation to the existing roof void will be checked and upgraded to provide the required U value of 0.15 Wmk.
- A Full Plans application under the Building Regulations will be submitted to ensure compliance of the proposed efficiency measures.