

Full description of planned works at 8 Bellerophon Drive, Penicuik EH26 8NU

1. The current roofing material consisting of clay interlocking tiles are to be removed along with underfelt and batons. A roofing standard OCB board will be installed along with new roofing membrane and cross timbers to the roof of the entire property. Concrete tiles of type Marley modern old English mock bond, will be installed of a style in keeping with those removed (Image C).
2. To the rear elevation of the property (SW facing) (Image B as viewed from the public footpath), pertaining to only the main roof and not the ground floor extension or garage, solar panels will be installed in place of roof tiles to cover the majority of the roof area with the exception of marginal edge tiles and ridge tiles in a manner such that the solar panels will not extend significantly past the height currently occupied by the present tiles/roof and the panels will not extend past the current roof edge. The panels will be attached to the roofing structure via a commercially available and commonly used GSE 'in roof' attachment system BBA: MCS 012 certificate no. "MCS BBA 0156" or similar (Image G & I). The installed solar panels will be of approximate size 1762mm x 1134mm x 30mm, numbering 16. A mock up image of panels in position is supplied as from above (Image H) and an image illustrating attachment beside tiles of similar appearance to those that will be used is also supplied (Image G).
3. To the front of the property (Image A and D) the current garage door of 'up and over' mechanism and moss green in colour will be replaced with an automated roller door also of moss green in colour. A pre (image E) and proposed post modification image (Image F) is supplied. This modification is necessary to allow greater use of the internal garage space for provision of piping through to the main property linked to the class 6H compliant installation of an MCS compliant air source heat pump to the rear elevation of the property for domestic heating and hot water production with installation not extending more than 1 M from the property at ground level.

The anticipated material effect of these modifications is therefore expected to be purely visual and is not anticipated to significantly change the size or shape of the property. The changes are requested to cover wear and tear of the current roofing material and for the provision of domestic energy generation via solar panels and domestic heating and hot water provision via an air-source heat pump.