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Address: **2 Ivor Street, London NW1 9PL**

Proposal: **Installation of solar panels and rooflight**

Design & Access Statement

1. Ivor Street is located in the Jeffreys Street Conservation Area, It is characterised by terraces of 3 storey houses dating from the mid-19th century. They are constructed in London stock brickwork with, on the front elevation, stucco, a single sash window and a semi-circular arched doorway at entrance level, and pairs of multi-paned sash windows with flat brick arches on the floors above. Most of the properties in the street, including those adjoining the subject property, have received roof extensions comprising pitched mansards to the front with flat roofs behind.

2. The front elevation of the subject property retains most of its original features. During the 1970's it appears to have been given a new flat roof. The property is presently undergoing extensive refurbishment (application reference 2005/2301/P) including the erection of an additional floor at roof level with a pair of leaded dormers in the front mansard, and a rear extension at second floor level over part of an existing roof terrace.

3. The proposed solar panels are located on the flat roof of the new roof extension to benefit from its unshaded southerly aspect. They comprise arrays of Schott vacuum tubes (see photo attached) fixed to a galvanised steel A-frame mounted on concrete blocks attached to the roof deck. The heat generated within the panels is transferred to a thermal store inside the building and used to provide hot water and heating, backed up by a high efficiency gas boiler. A rooflight/access hatch is also proposed to provide daylight to the internal stairs and access to the roof for maintenance.

4. The visual cut-off line on the attached proposed section is taken from 1.5 metres above ground level at the back of the pavement on the opposite side of the street. It shows that the entire installation would be invisible to the public using the street. The solar panels are nevertheless elegant in appearance and reflect the present day imperative to reduce carbon emissions and the effects of climate change.

Clive Wren

20 October 2006