

SUSTAINABILITY CHECKLIST
5-6 UNDERHILL STREET
LONDON
NW1 7HS

Ref: MJA/83960/Checklist

- 1. ENERGY ASSESSMENT:** The development has been designed to reduce the energy consumption of the site as a whole to the front part of the building by the creation of the new residential unit as it will allow for the total renewal and upgrade of the existing flat roof. The new unit will act as an insulated cap over the existing building.

High levels of insulation will be used throughout the proposed development which do not contain substances known to contribute to stratospheric ozone depletion or have the potential to contribute to global warming.
- 2. WATER CONSUMPTION / RAIN WATER:** Water saving devices will be used to save water throughout the development. Low flush toilets, smaller baths and showers will be used together with flow regulators to all taps.

A Sedum roof is proposed which will reduce the run off of rainwater from the existing site.
- 3. MATERIALS:** Building materials will be obtained from sustainable sources such as CSA, FSC, MTCC, PEFC and SFI based on guidelines from BRE updated March 2011. Tiles will be sourced and be 40% recycled, 11mm thick, ISO13006 Type BLA.

Domestic windows powder coated aluminium window with softwood internal frame, double glazed, with water based stain internally, aluminium profile < 0.87kg/m and timber profile < 2kg/m.
- 4. FLOOD RISK ASSESSMENT:** N/A
- 5. RECYCLING:** External recycling facilities will be provided.

The internal recycling facilities will be fixed inside a cupboard.
- 6. HEALTH:** The development meets all the applicable Life Time Homes criterion.
- 7. MANAGEMENT:** During construction waste to be reduced and sorted on site and subsequently reused where possible.

The control of dust and emissions from construction will be kept to a minimum.

Equipment used during construction will be efficient and well maintained to minimise emissions.

Contractor to be signed up to Considerate Constructors Scheme.

- 8. SECURITY:** Development to incorporate secure by design with respect to security of property and site.
- 9. ECOLOGY:** The development would ensure that there is no net loss of biodiversity on site and through the introduction of the Sedum roof will actively allow / encourage a net gain of biodiversity.
- 10. QUALITY:** Building for life principles have been taken into account and scores high on check list.
- 11. PUBLIC TRANSPORT:** Public transport links are very good both train and bus. In addition there is a close to network of safe pedestrian and cycle routes.
- Secure cycle storage will be provided.
- 12. LIGHT POLLUTION:** All external lights will be energy efficient with PIRS and daylight sensors.
- Lights will be positioned so that they only illuminate the surface intended and not throw light into neighbouring properties and be below 70° as outlined in DEFRA Guidelines. The environmental zone for exterior lighting will be E3.
- 13. SITE CONTAMINATION:** As far as we are aware there is no site contamination.

Date: 5 July 2011