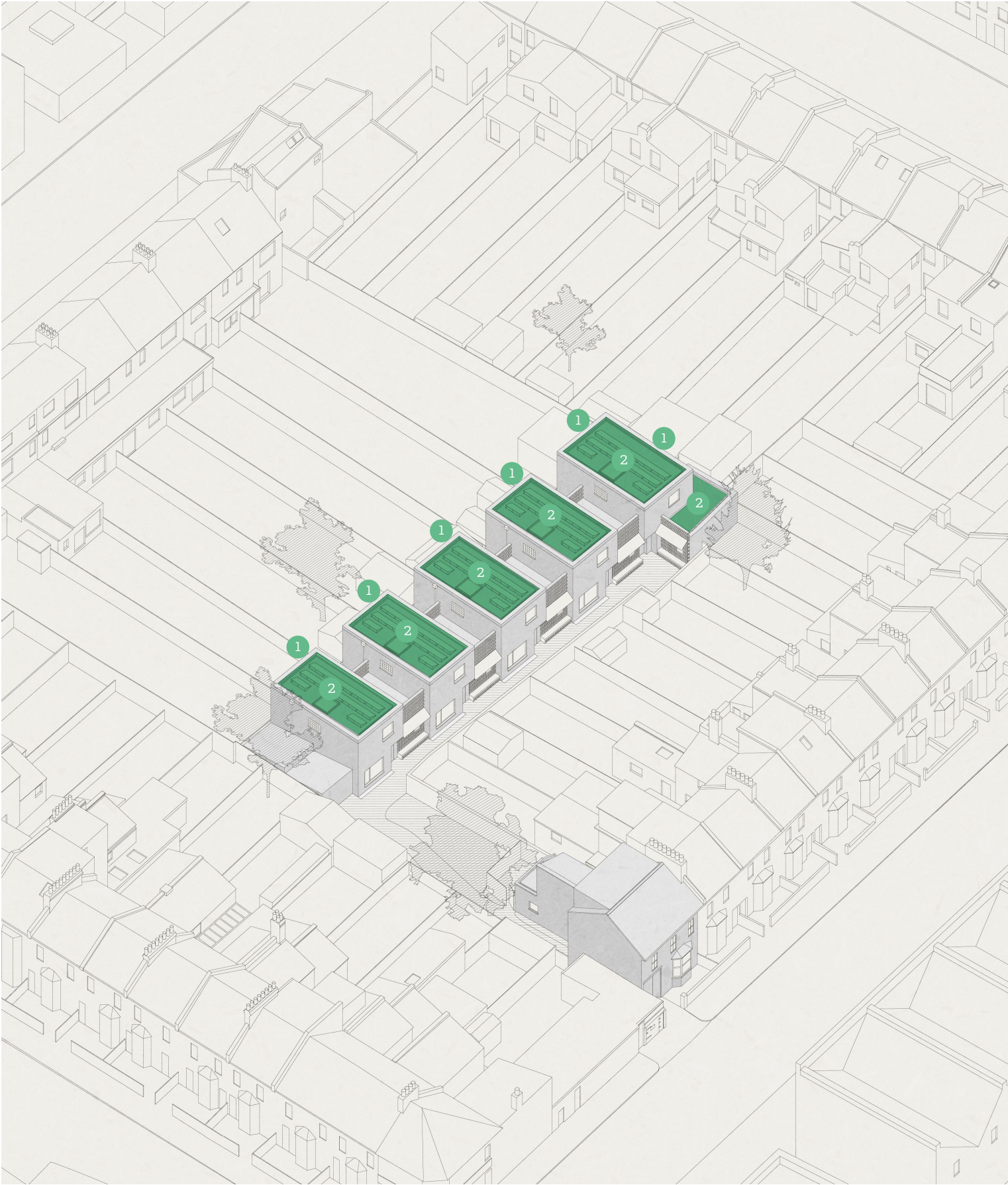




5.16 Energy & Sustainability

All new residential units are required to provide details on reducing CO2 emissions 35% above the Building Regulations Part L (2013) and water efficiency measures. Both agent and applicant are committed to providing a design that exceeds target and actual emissions.

In order to meet the requirement each dwelling will have a 'System A' 50% efficiency wastewater recovery unit as well as 6x0.35kWp per panel photovoltaics. This technology, along with the proposed fabric U-Values, will achieve a -46% CO2 reduction.

A Be Green SAP calculation for the use of Air Source Heat Pumps has also been carried out which would achieve a reduction of -88%, to be conditioned if necessary.

An energy assessment and sustainability report has been carried out and accompanies this application.

Other notable green measures include:

- 100l Rainwater butts have been provided to all units with amenity space.
- Bird boxes have been provided on the rear elevations. 1 per dwelling. The bird boxes will be Vivara Pro WoodStone Single Chamber House Sparrow Nest Boxes surface mounted on uppermost section of the eastern facade.
- Sedum Green roofs have been provided to all flat roofs

Diagram 27 - 18a Denmark Street

1. Bird Boxes

2. Sedum roof