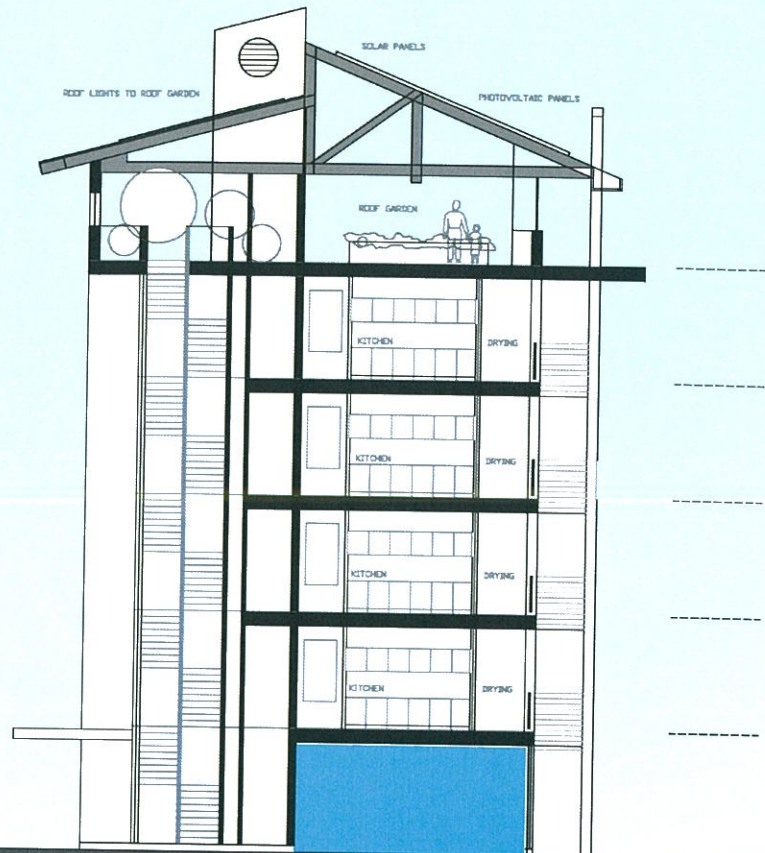


Eco Housing North Gorge



CROSS SECTION

Roof Garden. Exposes timber trusses and roof louvers.

Roof Garden with plots for residents to grow their own vegetables.

Open balconies and drying areas to kitchens.

Double glazed windows with insulated shutters

Insulated wall panels.

Water harvesting tanks and filters.

- Electricity generation from fossil fuels creates greenhouse gas emissions and air pollution. Photovoltaic (PV) systems provide a cleaner, environmentally friendly alternative. They convert solar radiation into electricity and are a great way to reduce the environmental impact of your home or workplace. As well as harnessing electricity from a renewable source, PV systems allow electricity to be generated close to where it is used. This avoids the significant energy losses associated with the transmission of electricity over long distances.

- Photovoltaic panels are made of semiconductor material. When light particles (photons) strike the surface of the panels, the electrical properties of the semiconductor material initiate an electrical current. The inverter converts this current from Direct Current (DC) into Alternative Current (AC) for use within the building. Batteries are used in stand alone systems to store excess electricity generated for later use.

SOUTH ELEVATION - BLOCK 1



- 01
- 02
- 03
- 04
- 05
- 06
- 07
- 08
- 09
- 10
- 11