

Ground Floor Plan



First Floor Plan



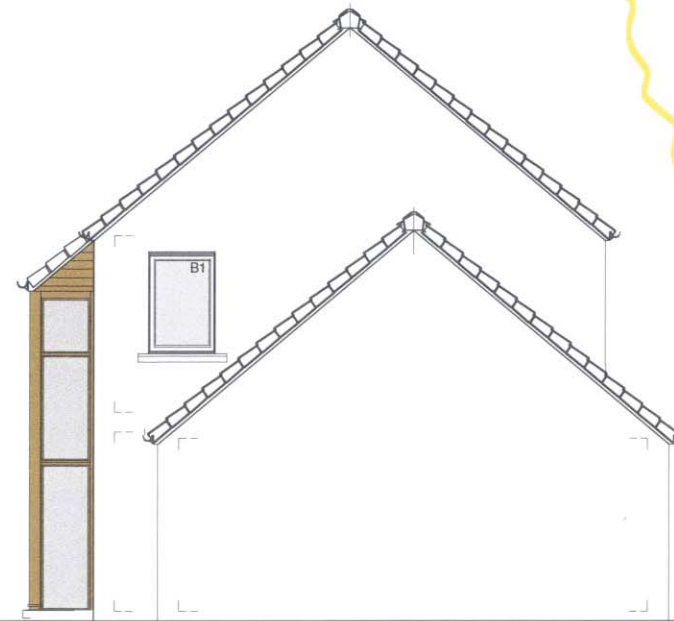
External air is drawn in from south facing sun spaces acting as a solar collector, or various roof locations, controlled via a plurality of temperature sensors, dampers and intelligent controls to optimise energy efficiency.

The pre-heated fresh air is input on the cooler north side of the dwelling giving improved automatically controlled circulation of warm air from the sun space to maximize the benefit from solar gains.

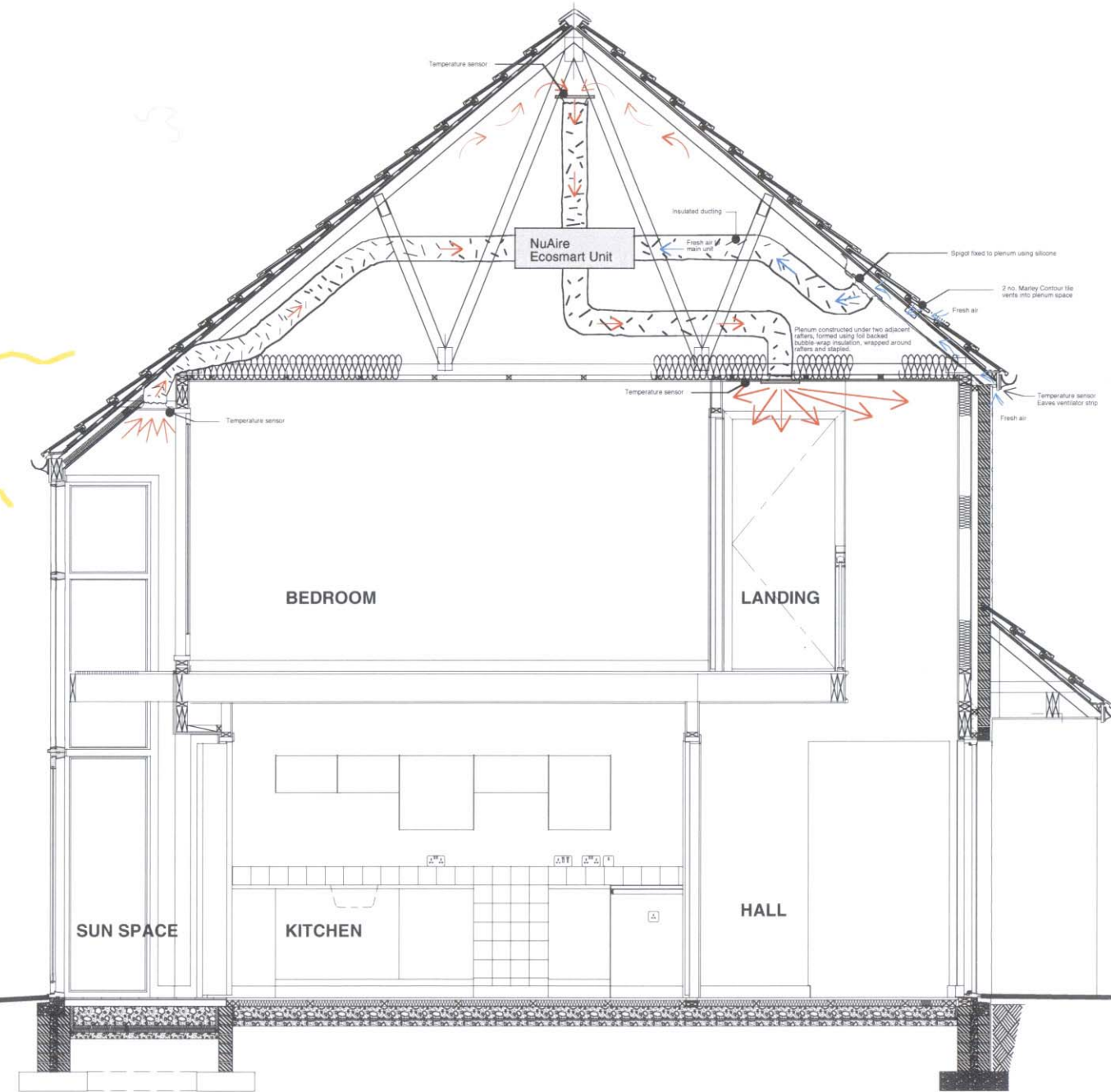
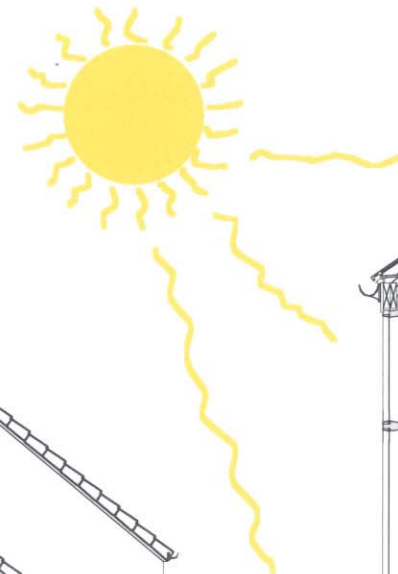
Cooler fresh air is drawn in from the north side of the dwelling, via the eaves ventilator and roof tile ventilators to plenum chamber, during warmer summer months when cooling is required inside the dwelling.



South Elevation 1:100



Side Elevation 1:100



Cross Section 1:50

Typical NuAire Drimaster Ecosmart Installation (Positive Input Ventilation System)

New Housing Development - Arran Avenue, Ballantrae (Phase 2), Carrick Housing Association Ltd.