

3893 - HAVEN – Allhallows Holiday Park

Sustainability –Statement for Planning

Date: 11.05.2023

SPACE & PLACE ARCHITECTS

Haven Holiday Parks are committed to developing their sites sensitively and sustainably, to ensure that the environmental impacts of their business are minimised as far as possible.

Haven Holiday Parks' locations are in attractive and appealing parts of the countryside, offering green space and fresh air to their guests. Any development planned by Haven, including the current proposals for the leisure water extension at Allhallows Holiday Park, are sensitively conceived in order to balance the enjoyment of the setting by visitors with the economic sustainability of the business.

The proposed development at Allhallows Holiday Park follows Haven's commitment to sustainability by incorporating the following in the proposed design:

- Reuse of existing buildings where possible, extension to existing where required
- Locating extensions sensitively on the site to ensure compact and efficient footprint
- Minimising impact on green spaces within the park
- Exploring tree planting potential with an arboriculture consultant
- High thermal insulating envelope to new extensions, to reduce heat loss and ensure energy efficiency
- Energy efficient new plant to building services and pool services
- Sustainable procurement of materials in the project specification
- Designing for robustness for internal and external materials

DESCO Mechanical and Electrical Engineering

Building Fabric

It is believed that it would be difficult and offer little value improving the building fabric of the existing pool hall building, however careful consideration has been given to the building fabric of the new development.

The proposed fabric 'U' values for the development shall better the current standards and the glazing of the new extension will not only provide a low 'U' value but will be selected to provide high levels of light transmission along with low solar radiation. This will increase the contribution of natural daylight and reduce peak cooling loads.

Energy Efficient Services

The correct selection and energy efficiency of services, systems, plant, and distribution is of great importance to improving the energy efficiency strategy throughout the new development. A long-

term future strategy for the wider site has also been considered in the selection process with the aim to reduce carbon emission. The building will be designed in line with Part L2A of the Building Regulations, using:

- High efficiency condensing boilers to replace the older less efficient stock.
- Ventilation Heat Recovery will be provided to all new air handling plant.
- Variable speed fans and circulating pumps shall be provided to maximise the energy savings attributed to buildings diverse operating conditions.
- All ventilation systems shall be designed to provide the lowest possible Specific Fan Powers (SFP), that are achievable.
- Domestic hot water balancing valves to be provided to ensure the hot water circulation system is balanced correctly providing a more energy efficient delivery of hot water.
- All hot and cold-water outlets within the new development will incorporate flow restriction devices to reduce water wastage.
- High efficiency LED lighting to be incorporated to reduce electrical energy consumption, with lighting throughout the existing pool hall to be evaluated and replaced where required.
- Metering will be provided throughout the new developments energy systems.
- A future provision for photovoltaics and ground / air source heat pumps shall be provided, with the pool plant designed to operate from a low-grade heat source. This will facilitate the long-term goal for the site and allow for an easier transition in the future.