

THE HIGHLAND COUNCIL CASE STUDY



PROJECT | LOCHALINE MULTI - AGENCY PROJECT

OUR ROLE | BUILDING SERVICES DESIGN AND BREAM

PROJECT BUDGET | £2.9 MILLION

A remote community on the sparsely populated North West coast of Scotland is to benefit from superb new facilities.



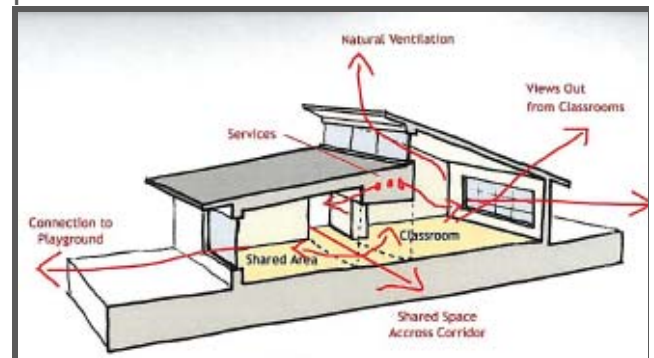
The existing Primary School is being rebuilt incorporating a Fire Station, Coast Guard facility, multi-purpose Community Hall, and a sports pitch.

Under the existing Highland Council Framework NIFES were appointed to provide sustainable Building Services solutions, including:

- Natural ventilation,
- Biomass-fuelled heating,
- rainwater re-cycling and
- Solar water heating.

An Energy Options Appraisal was carried out to ascertain the optimum mix of sustainable fuel sources.

Our computerised Thermal Model also assisted the Architect and Client in understanding the role of the building fabric in moderating the energy performance.



A principal design consideration has been the transport logistics and "delivery miles" associated with supply of construction materials and woodchip fuel supplies.

The project also involves the diversion of over-head power supplies, and the incorporation of a water-mist sprinkler installation.