

REF: DAS 01

Construction of a single-story dwelling.

The building has been designed with the local and wider environment in mind. The foundations are minimal so as to be sensitive to nearby tree root systems. The building itself has been designed as a single story with skillion style roof to minimise visual impact and ground load. The building will produce all its own electricity and be heated by a heat pump. Rainwater will be harvested on site and all wastes will be managed on site. (excepting those that are collected for recycling)

Earthbag construction creates thermal mass which helps to regulate building temperature.

The construction materials are to be natural where possible, sub-soil for earthbags and cord wood from fallen trees, cement (a significant CO2 contributor) need not be used. A lime-based mortar will be used with cordwood.

Rockwool insulation to be used through-out preferable for its breathability.

Wherever possible re-cycled materials will be used.

The site already has a Double Garage with Driveway This will be retained and incorporated with the new design.