



## SUNNYhills

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The terraced structures of Sunny Hills are designed to be built on sloping grounds and along the short valleys or hollows formed on hillsides and coastlines. The residential compounds are grouped around a sociocultural centre and protrude like rays. The number of residential rays will vary based on the building site and will consist of 2 to 10 houses.

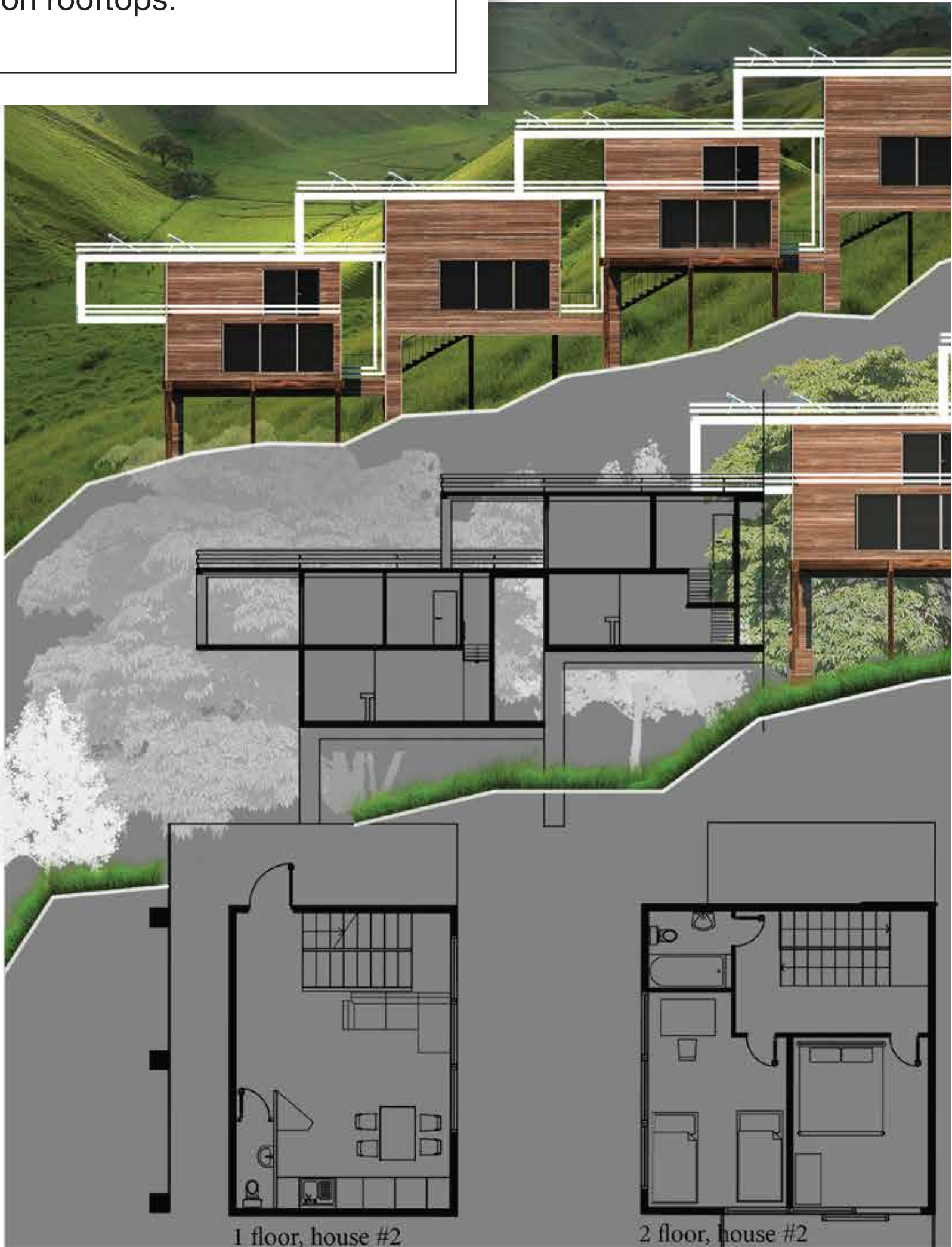
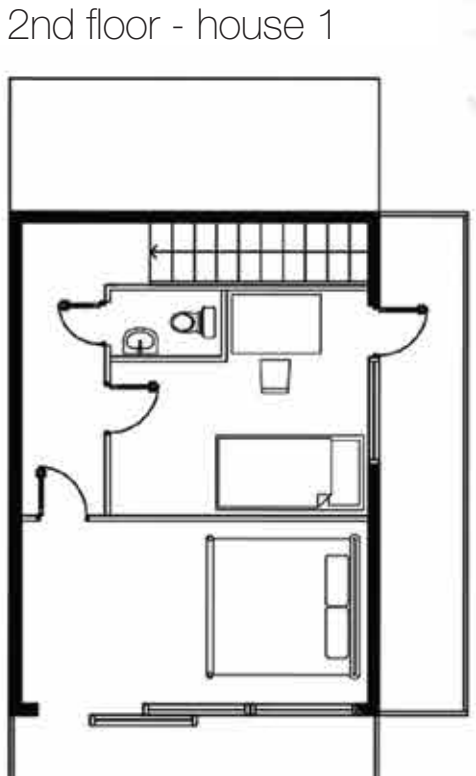
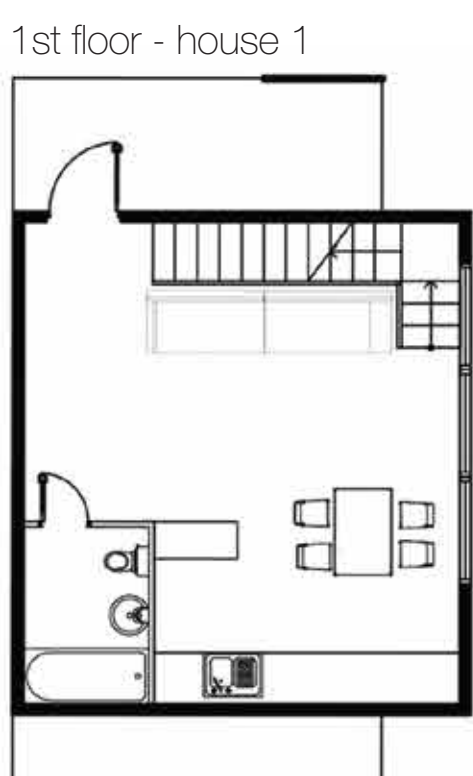
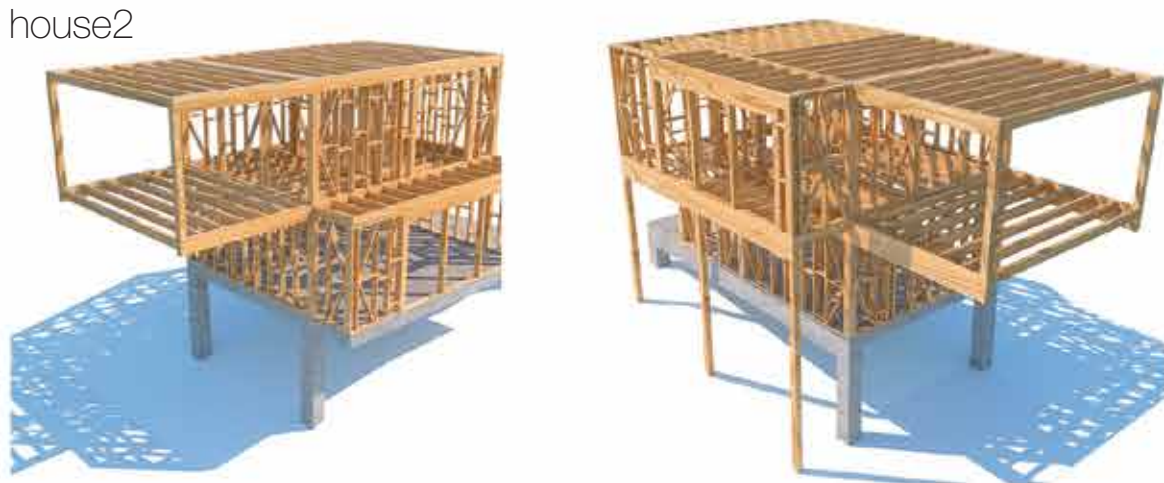
The sociocultural centre is located at the core of the residential structure and can be used for a variety of purposes such as a school, a hospital or a shopping or entertainment complex. Different centres will serve a variety of purposes across an entire district and will depend on the needs and specialties of the residents.

The buildings are constructed primarily of pine as it is an environmentally-friendly and inexpensive building material that grows in abundance in South Africa. The housing foundations will be built with armoured concrete to accommodate the sloping landscape.

A common energy collection and distribution system will be employed to reduce the need to purchase electrical power from the metropolitan network. The roof of each house will be equipped with photovoltaic devices and coupled with solid-state lighting. Water will also be heated in containers on rooftops.



Durban, South Africa



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