

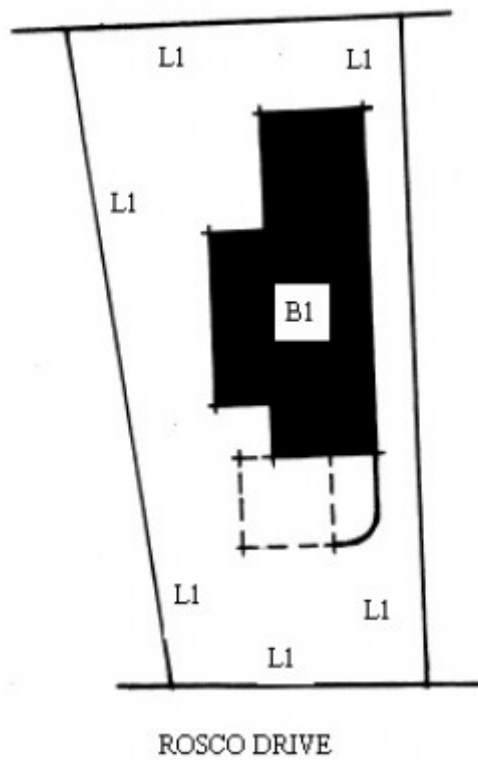
SOLAR HOUSE



SOLAR HOUSE SOHE 2008



1 solar house rosco drive
templestowe side view
dec1996



solar house rosco drive templestowe plan

Location

32 ROSCO DRIVE TEMPLESTOWE, MANNINGHAM CITY

Municipality

MANNINGHAM CITY

Level of significance

Registered

Victorian Heritage Register (VHR) Number

H1312

Heritage Overlay Numbers

HO148

VHR Registration

May 8, 1997

Heritage Listing

Victorian Heritage Register

Statement of Significance

Last updated on - May 13, 1999

What is significant?

The split level open plan Solar House was designed by Cocks and Carmichael, architects, for Landmark Solar Houses Pty Ltd, and constructed by that company for display purposes in 1978-79. (The Solar House is one of a group of three different energy conservation houses designed by prominent architects for Landmark's Rosco Drive display village). The Solar House's ducted central heating system and solar powered hot water system (now removed) was designed by Bill Charters, the 1979 President of the International Solar Energy Society. The central heating system comprises roof-mounted solar air collectors, a 4.3m³ bluestone screening thermal storage rock pile located behind and connected to the central open fireplace, and a duct distribution system. Electric booster elements in the ducts can be used when required to supplement the warm air coming from the rock pile. Other energy conservation features include carefully designed orientation and zoning of internal spaces, north facing glazing, sun protection, thermal mass, insulation and selected screen plantings surrounding the building. The house won the 1979 Herald-Housing Industry Association Award, Royal Australian Institute of Architects citations for new housing and energy efficient buildings (1980), and first prize in the 1980 Gas & Fuel Corporation Energy Management Awards.

How is it significant?

The Solar House is of historic, technical and architectural importance to the State of Victoria.

Why is it significant?

The Solar House is historically important as the manifestation of a realisation which emerged during the 1970s that the supply of fossil fuels was exhaustible, that energy conservation was desirable, and that alternative sources of energy, such as the sun, could be commercially viable for heating residential buildings.

The Solar House is technically and architecturally important as the first commercially available solar energy project house in Australia. The integrated building and equipment system was designed to provide approximately 60 percent of the annual heating requirements for the house built in Melbourne - a percentage recognised as the optimum economic level for solar contribution. The Solar House is architecturally important for its innovative energy conservation design characteristics, and is a refined and elegant example of the residential work of Cocks and Carmichael, architects. It is also an important early example of the work of Landmark Solar Houses Pty Ltd, a

company dedicated to the design construction and marketing of project houses that had an emphasis on energy conservation through active and passive solar energy systems.

Permit Exemptions

EXEMPTIONS FROM PERMITS:

(Classes of works or activities which may be undertaken without a permit under Part 4 of the Heritage Act 1995)

INTERIOR DECORATIVE SCHEMES

Interior painting and wall-papering to walls and ceilings, provided the preparation work does not remove evidence of the building's original paint or other decorative scheme.

Removal of existing carpets and flexible floor coverings eg vinyl. and installation of new carpets and flexible floor coverings. Installation of curtain tracks, rods, blinds and other window dressings.

REFURBISHMENT OF BATHROOMS, TOILETS, KITCHENS

Refurbishment of bathroom /toilet / ensuite including removal of existing sanitary fixtures and associated piping, mirrors, and wall and floor coverings, and installation of new fixtures, and wall and floor coverings.

Removal of existing kitchen benches and fixtures (stoves, dishwashers etc.) and floor coverings and installation of new kitchen benches and fixtures, including associated plumbing and wiring.

RE-WIRING

Re-wiring provided that all new wiring is fully concealed.

HANGING OF PAINTINGS, MIRRORS, AND OTHER WALL-MOUNTED ART WORK

Installation of hooks, nails and other devices for the hanging of paintings, mirrors, and other wall-mounted works of art.

INSTALLATION OF SMOKE DETECTORS

Installation of smoke detectors.

SMALL OUTBUILDINGS

Erection of small outbuildings including sheds, aviaries, kennels, poultry sheds and the like, with the exception of "period " style gazebos, at the rear of the registered building provided that the outbuilding is no larger than 10 m² in floor area and no higher than 2400mm high.

SWIMMING POOL

Installation of a swimming pool and associated pool fencing to the rear of the registered building.

SITE/GARDEN WORKS

Gardening or planting works.

Installation of watering systems.

PATHS, DRIVEWAYS/CARPARKING, PAVED AREAS

Laying of brick or stone flag paving, gravel, bitumen, or concrete paths and driveways.

Construction dates 1978,

Architect/Designer Cocks & Carmichael,
Heritage Act Categories Registered place,
Hermes Number 5068
Property Number

Extent of Registration

NOTICE OF REGISTRATION

As Executive Director for the purpose of the Heritage Act, I give notice under section 46 that the Victorian Heritage Register is amended by including the Heritage Register Number 1312 in the category described as a Heritage Place:

Solar House, 32 Rosco Drive, Templestowe, Manningham City Council

EXTENT

1. All of the building marked B1 on Diagram 607636 held by the Executive Director of the Heritage Council.
2. All of the land marked L1 on Diagram 607636 held by the Executive of the Heritage Council being all of the land described in Certificate of Title Volume 9291, Folio 158.

Dated 1 May 1997

RAY TONKIN
Executive Director

[Victoria Government Gazette G 18 8 May 1997 1033]

This place/object may be included in the Victorian Heritage Register pursuant to the Heritage Act 2017. Check the Victorian Heritage Database, selecting 'Heritage Victoria' as the place source.

For further details about Heritage Overlay places, contact the relevant local council or go to Planning Schemes Online <http://planningschemes.dpcd.vic.gov.au/>