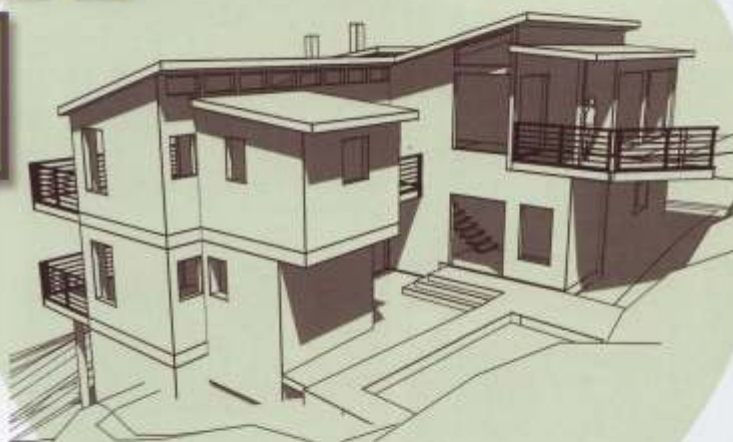


MODERN DESIGN

HOUSE HUSSEY

BUILDING CONTRACTOR
KNYSNA TIMBER HOMES

DESIGNER
JACQUES CRONJE



The design concept was informed by the clients brief of maximising views of the Knysna estuary to south, the site presenting the constraints of being narrow and steeply south sloping, and to maximise north light in winter to what would otherwise have been a cold south facing house. Contextual issues resulting from the steep southward slope of the site largely drove the resultant design. To remain within the regulation 8m height restriction offset vertically from all parts of the natural ground level, the pitch of the mono-pitch roof forms closely corresponding the slope of the ground below. To maximise views to the south and light from the north the house was spread over the full width of the site in an east west direction.

All the bedrooms and living areas are on the south side of the house, with clerestory windows bringing north light into the 1st floor bedrooms from above and a double volume above the living area filling that with natural light.





FIRST FLOOR PLAN

The bathrooms, kitchen and garage above are on the north side. As a result of the slope and to facilitate solar passive heating and cooling the southern section of the house is constructed with well insulated timber frame construction, elevated above the ground on posts, while the northern service elements of the building, which were cut into the site, are built of conventional masonry construction, which serves as a massing element to take advantage of diurnal temperature fluctuations.

The timber frame walls are 38x114mm studs at 400mm centres clad with ply sheathing on both sides, with Everite Vermont Building Planks fixed over a waterproof membrane externally, and either Rhinoboard or Pine T&G panelling internally.

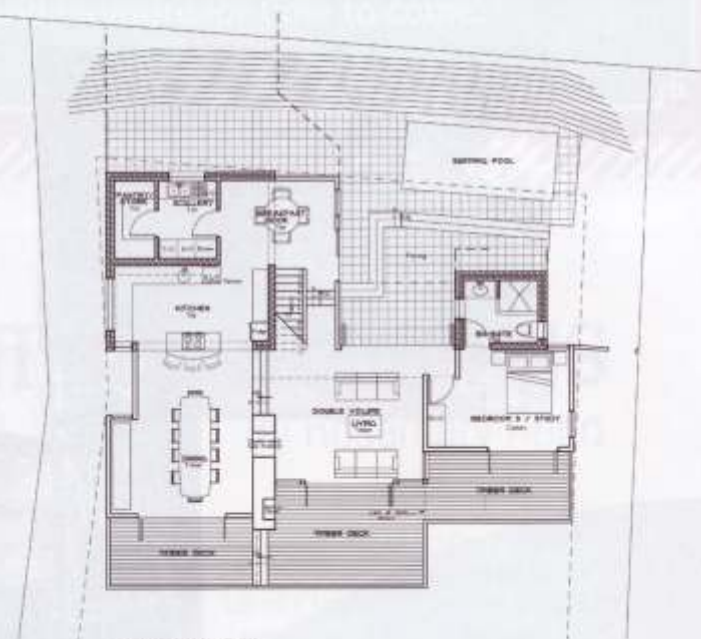
The house sits tightly nestled in amongst the vegetation and the decks were built to accommodate a large Fig tree whose branches have been allowed to continue through openings in the decking. Following the contours of the site closely the double storey house has split levels on each floor all connected via a central open stairwell.

About Jacques Cronje

Jacques Cronje, after 15 years of experience in both the construction and design of timber buildings, has as a result of his passion for timber homes, started his own practice ' Jacques Cronje Timber Design cc' , based in Cape Town. Jacques is registered with SACAP (The South African Council for the Architectural Profession) as a Professional Senior Architectural Technologist.

The primary focus of the practice is design and architectural services for clients wishing to build a timber home in the Western Cape, the Garden Route, and surrounding areas. The aim of the company is to provide architectural design excellence as well as solutions that minimise environmental impact and maximise the efficient utilisation of materials, while focusing on the specific requirements of each client and site. ♦





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