

ing unsightly streak marks on the facade.

There were 45 panel types used in the facade and, in total, 316 panels were moulded. These panels were designed by means of computer aided design (CAD) and then assembled, in drawing form, on the structural supports - to serve as a double check on the detailing and dimensions.

The form design

The form and plan layout of the building is derived from research into ideal laboratory dimensions, as well as the need for escape stairs and future extensions. These requirements, coupled with the use of the mass-produced precast screenwall/facade, allowed the architects to design a building which reflects the older, classically inspired buildings of Pretoria.

The bold use of colour, both internally and externally, to emphasise different parts of the building, satisfied the client's wish for something different, and was used by the architects to achieve the impact which simple or cheap materials often lack, in order to create a 'happy and entertaining' building.

Name of person/organisation submitting entry:	AM Robinson - Arcmen Architects
Owner:	Mr CJ Lambrechts - Medical Research Council
Architect:	Messrs DC Greef & TW Geh
Consulting Engineer:	Arcmen Architects
Contractor:	Ovcon (Tvl) (Pty) Ltd.
Sub-contractors:	Vertislab (Pty) Ltd.

