




UCT SCHOOL OF EDUCATION

ERF 44217, Lover's Walk, Rondebosch, Cape Town
4 Star Green Star – Public & Education Building Design v1




AFRICA
South Africa

Public & Education Building Design v1

★★★★

4 Star Rating
Best Practice
CERTIFIED OCTOBER 2021



TOTAL POINTS:

52

CATEGORY SCORES:



Situated in the heart of the university's lower campus, the new School of Education was built in 2020/21 to be one of UCT's first Green Star rated buildings. It was designed to have a responsible impact on the environment, and comprises a three-storey building with a mixture of office and lecture spaces. The building has been deliberately designed around an existing forest ecosystem to ensure minimal impact on the surrounding trees, and to retain as many mature trees as possible.

Sustainable building features include:

Energy efficiency

- Heating and cooling are only provided to the education spaces in the building. Offices have been designed to be comfortable as far as possible without the need for air conditioning.
- Heating and cooling in the education areas are controlled by occupancy sensors to ensure they do not run unnecessarily.
- Energy efficient lighting has been installed throughout the building.

Water efficiency & ecology

- Installation of water efficient taps and toilets.

- Landscaping with plants that integrate into the existing ecosystem and don't require irrigation post establishment.

Indoor environment quality

- High levels of fresh air are provided to all education spaces and offices have openable windows for natural ventilation.
- The paints, flooring and adhesives used in the building contain low levels of VOCs.
- Where possible, the building has good daylight and views to the outside.

Alternative transport

- There is almost no parking provided for building occupants which encourages the use of alternative transport options.
- The building is within walking distance of a few Jammie Shuttle bus stops as well as the Rosebank train station.

Waste management

- The building has been designed with a recycling waste storage area and separate bins so that waste can be sorted into recyclables and non-recyclables.

PROJECT TEAM:

OWNER
University of Cape Town

ACCREDITED PROFESSIONAL
Sow & Reap Consulting

ARCHITECT
Jacobs Parker Architecture

ELECTRICAL ENGINEER
Ifindo Consulting

FIRE ENGINEER
De Villiers & Moore

MECHANICAL ENGINEER
WSP

QUANTITY SURVEYORS
RLB Pentad

STRUCTURAL ENGINEERS
Welby – Solomon Consulting Engineers

SUSTAINABLE DESIGN REVIEW
Sow & Reap Consulting

SUSTAINABLE BUILDING CONSULTANT
Sow & Reap Consulting

WET SERVICES
WSP

MAIN CONTRACTOR
The Construction Co.

PROJECT MANAGER
Fluid Projects

ENVIRONMENTAL CONSULTANT
EcoSense

ACOUSTIC CONSULTANT
SRL South Africa

LANDSCAPE DESIGNERS
Tarna Klitzner Landscape Architects

FLOOR AREAS:

TOTAL GROSS FLOOR AREA (GFA): **3 524m²**

TOTAL COMMERCIAL OFFICE AREA: **452m²**

CAR PARKING AREA: **n/a**