



Green Building Council of South Africa
2011 convention and exhibition
Cape Town

Vodafone Site Solution Innovation Centre

eric noir, WSP GBD
27 October 2011

UNITED
BY OUR
DIFFERENCE



Vodafone and Vodacom

- . looking to implement a worldwide innovation centre to develop innovation in transmission and base station monitoring, site infrastructure, health & safety, logistics
- . chose South Africa and Vodacom as location and development partner
- . joint venture between Vodafone and Vodacom

- . vehicle to foster collaboration between Vodafone and Vodacom
- . currently innovating with transmitters on top of masts, convection cooling, opening up the potential for renewable energy
- . need to push the envelope of sustainability, energy efficiency and innovation
- . bold move for a telecom operator!

- . initial location in a basement of an existing data centre: not an innovative and inspiring space, no natural light and ventilation, noisy environment
- . prepared to explore the unknown and take risks
- . Vodafone Group Property interest in advanced sustainability to replicate the principles in the broader property portfolio

design for legibility

- . ease of access, self explanatory, simple
- . tactile, minimalist, powerful, desirable
- . Apple products and stores as inspiration, transparent, inviting



**Vodafone Site Solution Innovation Centre
Vodacom Campus Midrand**

**achieved 6 stars Green Star SA Office v1 Design
on 21st October 2011**

building completion 26th October 2011

developer
VODAFONE

VODACOM

**VODACOM HEALTH & SAFETY
VODACOM ENVIRONMENT**

architects
GLH ARCHITECTS

project manager
JSA & ASS. PM

quantity surveyor
BRIAN HEINEBERG & ASS.

structural engineer and civils
WSP STRUCTURES

mechanical engineer
WSP CONSULTING ENGINEERS

electrical engineer
ONE ZERO CONSULTING

wet services
WSP CONSULTING ENGINEERS

landscape architects
INSITE LANDSCAPE ARCHITECTS

acoustic consultant
PROACOUSTIC

sustainability consultant
WSP GREEN by DESIGN

main contractor
BANTRY

hvac contractor
VOLTAS TECHNOLOGIES

thermally activated slab
REHAU

Etienne Gerber
Mohammed Belfqih
Ulrich Blau
Neil Panther
Brian Behari
Abdul Makoah
Gavin Tait

Xavier Huyberegts
Naina Jivan

Greg Gascoigne

Riaan Kruger

Tinus Nel
Gareth Jones

Steven Barrett

Vasili Kourelou
Kobus Rheeder

Lesley Padayachee
Andre Minnie

Neal Schoof

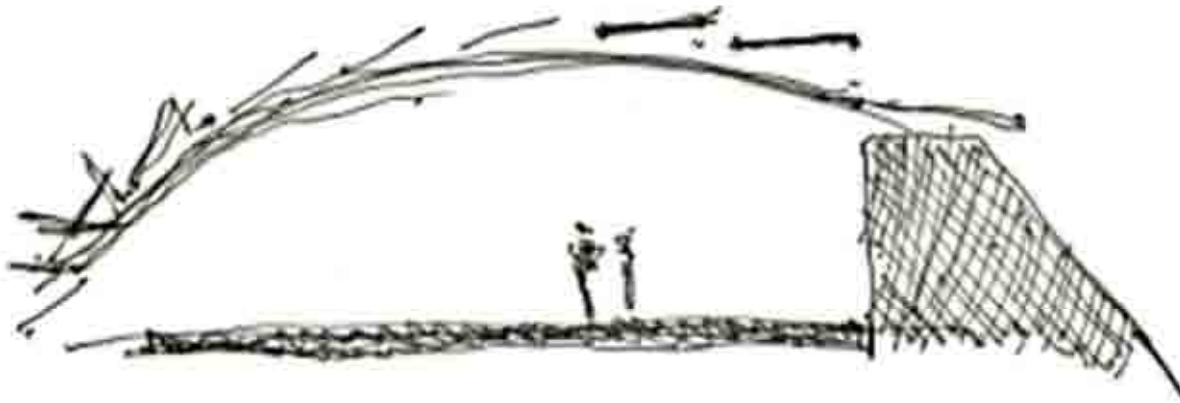
Ivan Lin

Eric Noir
Alison Groves

Wayne Albertyn
Victor Vermaak

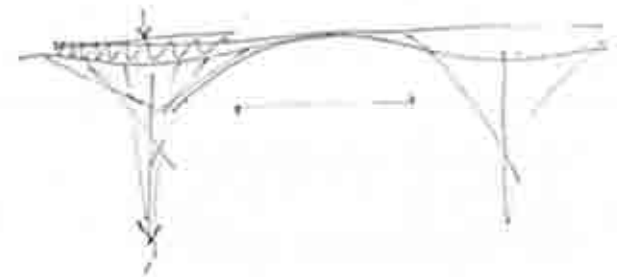
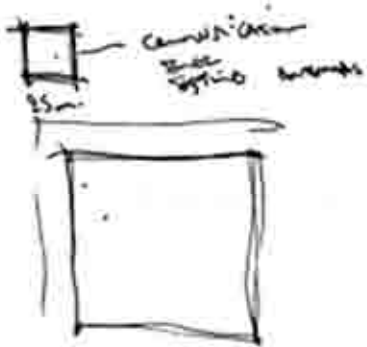
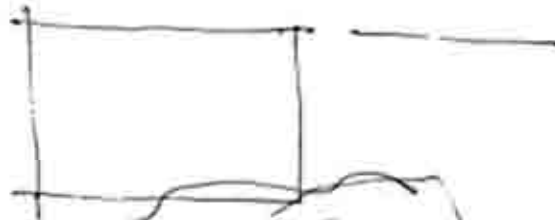
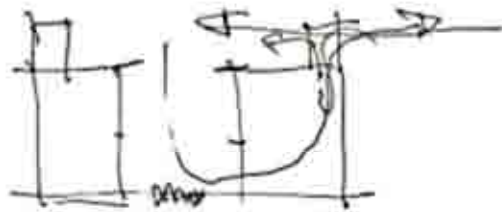
Cristian Cernat

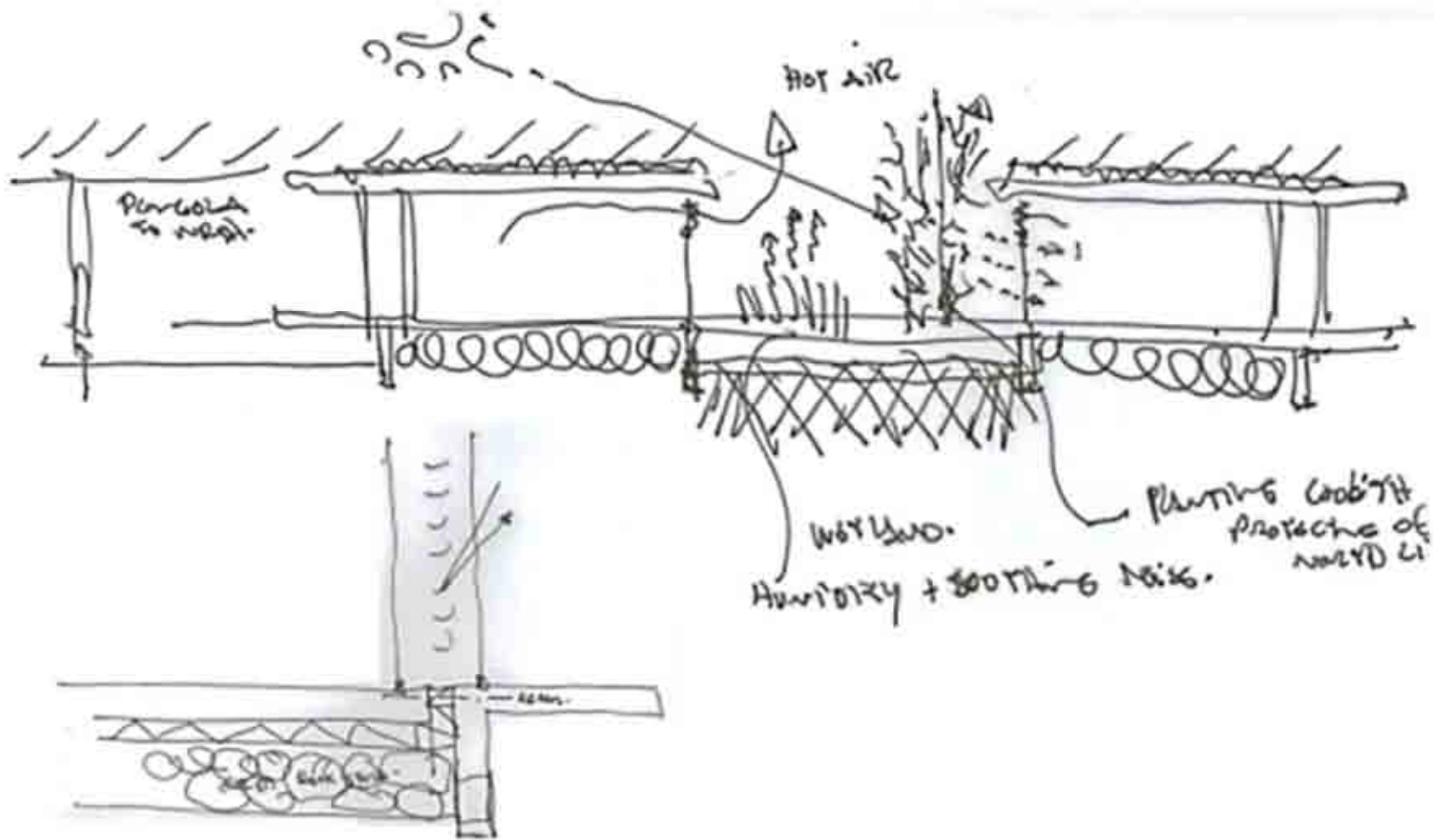
Cliff Barnard



- Pin 000
- Stranfall -
- Chalk 000
- Chalk 000
-
- Demontable display
-

- 15 OCTOBER 2016
 7,5 months



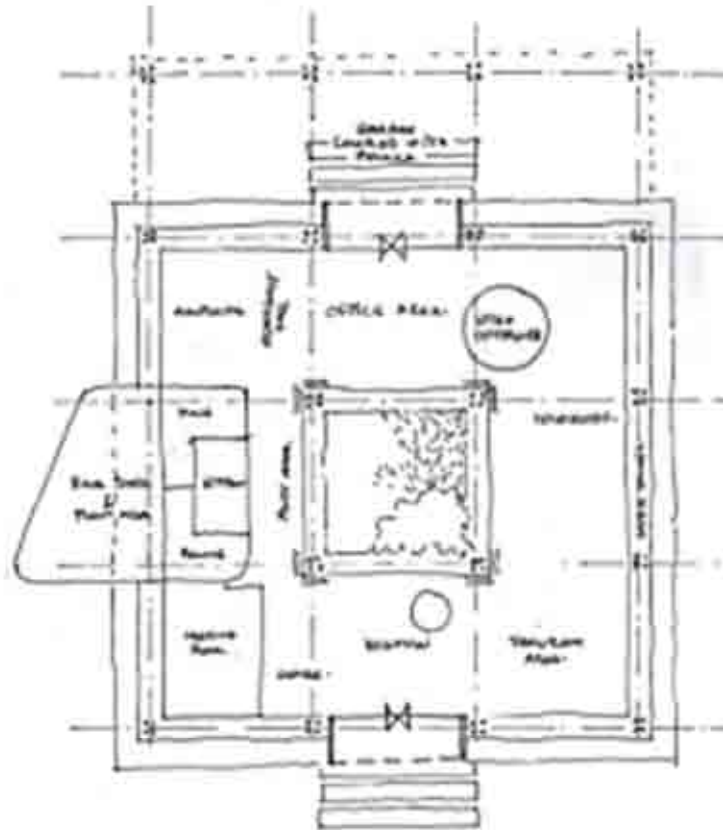


TYPICAL SECTION & SUB SURFACE ROCK WALL CONCEPT

18-02-2011 REV A

VODACOM INNOVATION CENTRE





PLAN LAYOUT SCALE 1:200

18-02-2011 REV A

VODACOM INNOVATION CENTRE





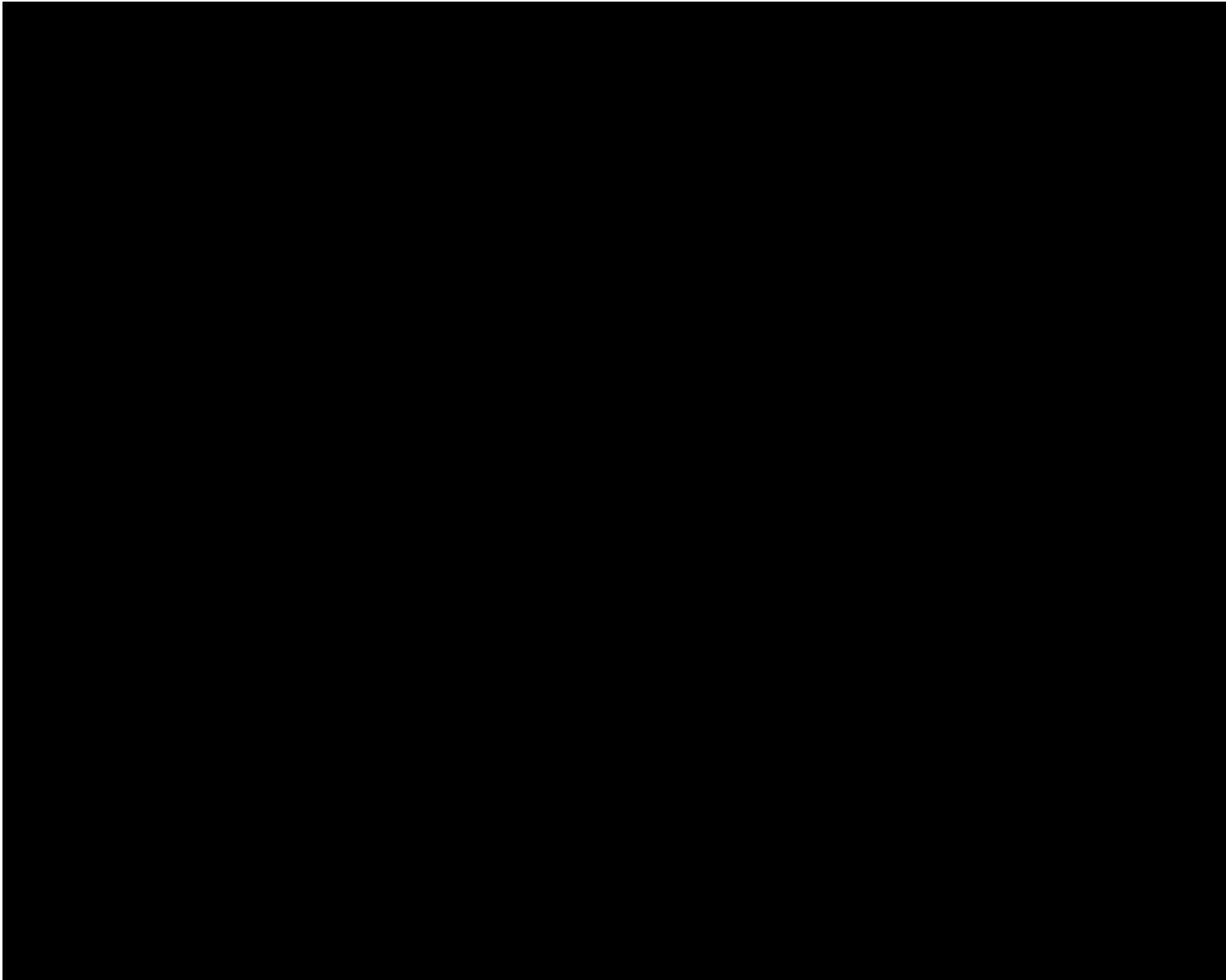
PERSPECTIVE

18-02-2011 REV A

VODACOM INNOVATION CENTRE









ROCK STORE : gabions



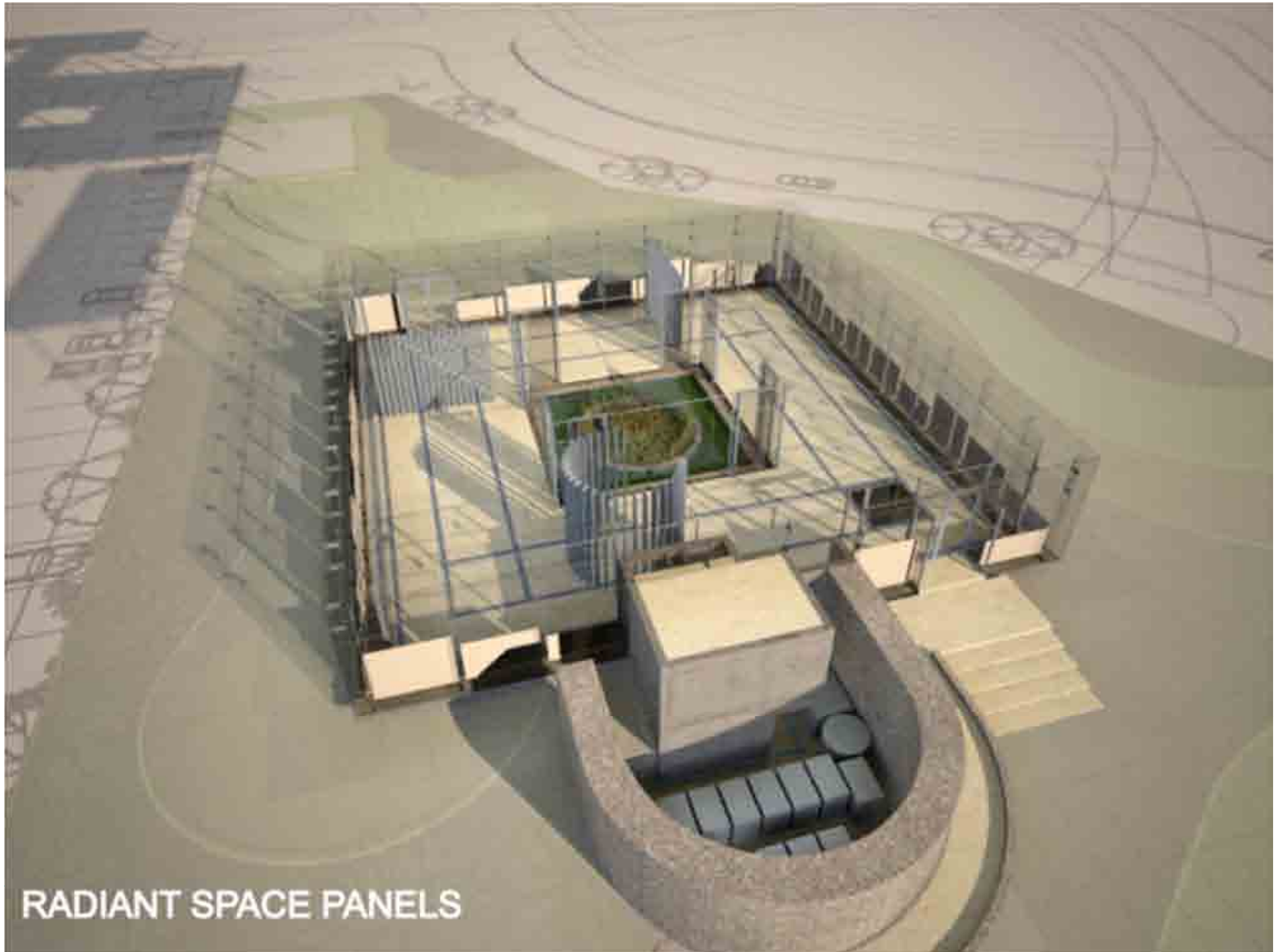






THERMALLY ACTIVATED SLAB : chilled water pipe network





RADIANT SPACE PANELS





Vodafone Site Solution Innovation Centre

case study, first 6 stars greenstar sa

eric noir | GREEN by DESIGN































thank you