Fract[ure]al
Platform Building at Menlyn
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Fract[ure]al: Platform Building at Menlyn

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PROJECT SUMMARY

Programme: Platform building for Gautrain station at Menlyn
Menlyn Intermodal Transport Exchange
Gautrain Rapid Rail Link

Site description: Users of the Gautrain and the Menlyn
Intermodal Transport Exchange, staff of the
Menlyn Intermodal Transport Exchange and
the general public

Client: Erf 69, Menlyn

Users: Corner of Frikkie de Beer Street and Dallas
Road, Menlyn, Tshwane, South Africa
25°78'49.57"S, 28°28'06.35"E

Site Location: Chaos theory, fractals and small-world networks

Address: Emphasize Menlyn as a node in Tshwane and

Address: integrate the various transport systems present

Address: in the Menlyn precinct.

Address: Urbanism and human settlements

Address: Research Field:
FRACTAL

Noun
- A curve or geometrical figure, each part of which has the same statistical character as the whole. **THEY ARE USEFUL IN MODELLING STRUCTURES IN WHICH SIMILAR PATTERNS RECUR AT PROGRESSIVELY SMALLER SCALES**, and in describing partly random or chaotic phenomena such as crystal growth and galaxy formation.

Adjective
- Relating to or, of the nature of a fractal, or fractals: fractal geometry.


FRACTURE

Noun
- The cracking or breaking of a hard object or material.
- A crack or break in a hard object or material, typically a bone or a rock stratum.
- The physical appearance of a freshly broken rock or mineral, especially as regards the shape of the surface formed.

Verb
- Break or cause to break.
- Sustain a fracture.
- Split or fragment within an organisation and become unable to function or exist
- **FALTERING AND FULL OF MISTAKES; BROKEN.**

Met dank aan my Skepper.

Dankie aan
my ouers, Herman en familie,
CJ en sy familie,
my vriende,
Jacques en Michelle se ma wat my ondersteun en in my glo.
In accordance with Regulation 4(e) of the General Regulations (G.57) for dissertations and theses, I declare that this dissertation, which I hereby submit for the degree Master of Architecture (Professional) at the University of Pretoria, is my own work and has not previously been submitted by me for a degree at this or any other tertiary institution.

I further state that no part of my dissertation has already been, or is currently being, submitted for any such degree, diploma or other qualification.

I further declare that this dissertation is substantially my own work. Where reference is made to the works of others, the extent to which that work has been used is indicated and fully acknowledged in the text and list of references.

The dissertation is 15 800 words long (excluding the scanned items).

Jané Pretorius
# TABLE OF CONTENTS

| PROJECT SUMMARY | iii 2.2.2 DESIGN INTENT 23 | 5.2.2 MENLYN NODE URBAN DEVELOPMENT FRAMEWORK (MNUDF) 46 |
| FRACTAL | v 2.2.3 AIMS AND OBJECTIVES OF THE REMAINDER OF THE STUDY 23 | 5.2.3 MENLYN NODE SPATIAL DEVELOPMENT FRAMEWORK (MNSDF) 46 |
| FRACTURE | v REMAINDER OF THE STUDY 23 |  |
| TABLE OF CONTENTS | vii |  |
| LIST OF ILLUSTRATIONS | x |  |
| LIST OF TABLES | xv |  |

## CHAPTER 1 - INTRODUCTION

1. INTRODUCTION
1.1 PROBLEM STATEMENT
1.2 BRIDGING THE FRACTURE
1.3 HYPOTHESIS
1.4 LITERATURE
1.5 METHODOLOGY
1.5.1 RESEARCH METHODOLOGY
1.5.2 DELIMITATIONS

## CHAPTER 2 - REVIEW & REASONING

2.1 BACKGROUND
2.1.1 CONTEXT
2.1.2 THE INFLUENCE OF THE MOTOR VEHICLE ON CITY LAYOUT
2.1.3 ESTABLISHMENT OF MENLYN AS A NODE
2.1.4 MODES OF TRANSPORT
2.2 MOTIVATION
2.2.1 TRANSIT ORIENTED DEVELOPMENT

## CHAPTER 3 - THEORETICAL ARGUMENT

3.1 COMPLEX SYSTEMS
3.2 CHAOS THEORY
3.3 FRACTALS

## CHAPTER 4 - CASE STUDIES & PRECEDENTS

4.1 GAUTRAIN SANDTON STATION
4.2 SANDTON CONVENTION CENTRE
4.3 PALAIS DE JUSTICE

## CHAPTER 5 - URBAN FRAMEWORK

5.1 MENLYN NODE ANALYSIS
5.1.1 CURRENT LAND USE
5.1.2 GREEN STRUCTURE
5.1.4 VEHICULAR MOVEMENT
5.1.3 SWOT ANALYSIS
5.2 EXISTING FRAMEWORKS
5.2.1 TSHWANE REGIONAL SPATIAL DEVELOPMENT FRAMEWORK: EASTERN REGION (TRSDF)

## CHAPTER 6 - DESIGN DEVELOPMENT

6.1 APRIL - FINAL PROJECT PROPOSAL AND CONCEPT 57
6.2 MAY - CONCEPT DEVELOPMENT 58
6.3 JUNE - DESIGN (SKETCH PLAN STAGE) 59
6.4 JULY - DESIGN (ADVANCED SKETCH PLAN STAGE) 60
6.5 AUGUST - TECHNICAL 1 61
6.6 SEPTEMBER - TECHNICAL 2 62
6.7 DISCOVERIES AND NEW PERSPECTIVES 63

## CHAPTER 7 - DESIGN SOLUTION

7.1 ACCOMMODATION LIST 66
7.1.1 GROUND FLOOR (PUBLIC) 66
7.1.2 FIRST FLOOR (SEMI-PUBLIC/PRIVATE) 66
7.1.3 SECOND FLOOR (PRIVATE) 67
7.2 FINAL DESIGN 68
CHAPTER 8 - TECHNICAL RESOLUTION 72

8.1 MATERIALS 72
8.1.1 CONCRETE 72
8.1.2 SEMI-TRANSPARENT PHOTOVOLTAIC GLASS 74
8.1.3 METAL FABRIC 75
8.2 STRUCTURAL SYSTEM 76
8.3 METAL FABRIC BOX-LIKE STRUCTURE 78
8.4 CIRCULATION 81
8.5 VENTILATION 82
8.6 DRAINAGE & SOLAR ENERGY 83
8.7 ELEVATIONS 84
8.8 SITE PLAN 85
8.9 GROUND FLOOR PLAN 86
8.10 FIRST FLOOR PLAN 88
8.11 SECOND FLOOR PLAN 90
8.12 ROOF PLAN & DETAIL 92
8.13 OTHER 95
8.14 SECTION AA 96
8.15 LESSONS I LEARNED AS AN ARCHITECTURE STUDENT 98

REFERENCES 99
APPENDIX A 102
APPENDIX B 108
APPENDIX C 112
APPENDIX D 114
LIST OF ILLUSTRATIONS


ILLUS. 1.3: Taxis on sidewalk of Atterbury Road. Author, 2011.

ILLUS. 1.4: Pedestrians jaywalking on Atterbury Road. Author, 2011.

ILLUS. 1.5: Bus shelter on Atterbury Road. Author, 2011.

ILLUS. 1.6: Road network of Menlyn area contributes to a fractured experience of the area. Author, 2011.


ILLUS. 2.1: Greater context indicating urban nodes, stations and surrounding suburbs. Author, 2011.

ILLUS. 2.2: Location of proposed site. Author, 2011.

ILLUS. 2.3: Plan of Menlyn precinct indicating walking radii from site, existing transport and the location of the future Menlyn Gautrain Station. Author, 2011.

ILLUS. 2.4: Comparison of existing street layouts for Pretoria CBD (grid) and Menlyn precinct (free flowing). Author, 2011.

ILLUS. 2.5: Route to pedestrian stairway. Author, 2011.

ILLUS. 2.6: Sidewalk obstructed by infrastructure. Author, 2011.

ILLUS. 2.7: Pedestrian path through parking garage. Author, 2011.

ILLUS. 2.8: Bus shelter located on sidewalk. Author, 2011.


ILLUS. 2.11: Hierarchal layout of roads in Menlyn; Existing informal taxi ranks and formal pedestrian crossings. Author, 2011.
ILLUS. 2.15: Plan of existing bus routes at Menlyn precinct. Author, 2011.

ILLUS. 3.1: Current Menlyn precinct transport system as complex system. Author, 2011.
ILLUS. 3.2: Current Menlyn precinct transport system as chaotic system. Author, 2011.
ILLUS. 3.4: Collage of images indicating self-similarities in Menlyn precinct. Author, 2011.
ILLUS. 3.6: Small-world network principles applied to design proposal. Author, 2011.

ILLUS. 4.1: Signage outside the Gautrain Sandton Station. Author, 2011.
ILLUS. 4.4: Design application of Gautrain Sandton Station to the Platform Building at Menlyn. Author, 2011.
ILLUS. 4.5: Photo collage of Gautrain Sandton Station. Author, 2011.
ILLUS. 4.6: Design application of Sandton Convention Centre to the Platform Building at Menlyn. Author, 2011.
ILLUS. 4.7: Photo collage of Sandton Convention Centre including diagrammatic section. Author, 2011.
ILLUS. 4.8: Design application of Palais de Justice to the Platform Building at Menlyn. Author, 2011.
ILLUS. 4.9: Photo collage of Palais de Justice, including ground floor plan. Author, 2011.

ILLUS. 5.1: Current land use of Menlyn node. Author and Fransa van Zyl, 2011.
ILLUS. 5.2: Menlyn square as example of commercial use. Author, 2011.
ILLUS. 5.3: Old Mutual Office Park as example of business use. Author, 2011.
ILLUS. 5.4: Damelin College as example of educational use. Author, 2011.
ILLUS. 5.5: Litter in Menlyn node. Author, 2011.
ILLUS. 5.6: Green structure of Menlyn node. Author and Fransa van Zyl, 2011.
ILLUS. 5.7: Vehicular movement in Menlyn node. Author and Fransa van Zyl, 2011.
ILLUS. 5.8: Traffic congestion on Atterbury Road. Author, 2011.
ILLUS. 5.9: Development in Menlyn node - 2010. Author, 2011.
ILLUS. 5.12: Tsošošo programme principles applied to NEW MENLYN NODE FRAMEWORK. Author and Fransa van Zyl, 2011.
ILLUS. 5.15: Proposed bus routes. Author, 2011.
ILLUS. 5.16: Proposed taxi routes. Author, 2011.
ILLUS. 5.18: Proposed pedestrian routes. Author, 2011.
ILLUS. 5.19: Plan and section of a typical pedestrian boulevard. Author and Fransa van Zyl, 2011.
ILLUS. 5.20: Plan and section of a typical mall passage. Author and Fransa van Zyl, 2011.
ILLUS. 5.22: Plan and section of event space. Author and Fransa van Zyl, 2011.
ILLUS. 5.23: Plan and section of public square as event space. Author and Fransa van Zyl, 2011.
ILLUS. 5.25: Pedestrian bridge at Lois Avenue. Author and Fransa van Zyl, 2011.
ILLUS. 5.26: Section of Dallas Road. Author and Fransa van Zyl, 2011.
ILLUS. 5.27: Section of Frikkie de Beer Street and Amarand Road. Author and Fransa van Zyl, 2011.
ILLUS. 5.28: NEW MENLYN NODE FRAMEWORK. Author and Fransa van Zyl, 2011.
ILLUS. 5.30: Precinct plan. Author and Fransa van Zyl, 2011.

ILLUS. 6.6: Platform Building at Menlyn diagram, ground floor plan and first floor plan - September. Author, 2011.

ILLUS. 7.1: Functions indicated per level. Author, 2011.
ILLUS. 7.2: Sketch of Platform Building at Menlyn from South West corner. Author, 2011.
ILLUS. 7.3: Location of platform building on site and in relation to other transport modes. Author, 2011.
ILLUS. 7.4: Location of facilities in the Platform Building at Menlyn. Author, 2011.
ILLUS. 7.5: Parti diagram. Author, 2011.
ILLUS. 7.7: Objects on platform. Author, 2011.
ILLUS. 7.8: Perspective of Platform Building at Menlyn form South East corner. Author, 2011.
ILLUS. 7.9: Example of stereotomic vs. tectonic on second floor. Author, 2011.
ILLUS. 7.12: Ground floor plan indicating different functional areas. Author, 2011.

ILLUS. 8.8: Perspective of the structural system of the Platform Building at Menlyn. Author, 2011.
ILLUS. 8.9: Exploded axonometric of the structural system of the Platform Building at Menlyn. Author, 2011.

ILLUS. 8.11: Graphic portrayal of the grid used for the metal fabric box-like structure. Author, 2011.


ILLUS. 8.15: Rainwater collection and solar energy systems. Author, 2011.

ILLUS. 8.16: North elevation. Author, 2011.


ILLUS. 8.26: Glass roof structure perspective. Author, 2011.

ILLUS. 8.27: Roof detail 1. Author, 2011.


ILLUS. 8.31: Perspective of section AA. Author, 2011.

ILLUS. 8.32: Section AA. Author, 2011.

ILLUS. A.1: Entrance to Bloed Street Mall & Taxi Rank. Author, 2011.


ILLUS. A.5: Bloed Street Mall and Taxi Rank lower ground floor sketch plan and circulation plan. Author, 2011.

LIST OF TABLES

TABLE 2.1: Comparison of city block sizes, accessibility and users. (Author, 2011)  
TABLE 2.2: Hierarchy of roads (Conversation with Pretorius, C., 2011.)  
TABLE 2.3: Travel times to work (National Household Survey, 2007: 30).  
TABLE B.1: Sanitary requirements.  
TABLE B.2: Water storage tank calculations.
“The first qualification for judging any piece of workmanship from a corkscrew to a cathedral is to know what it is - what it was intended to do and how it was meant to be used. After that has been discovered the temperance reformer may decide that the corkscrew was made for a bad purpose, and the communist may think the same about the cathedral. But such questions come later. The first thing is to understand the object before you: as long as you think the corkscrew was meant for opening tins or the cathedral for entertaining tourists you can say nothing to purpose about them” (Lewis, 1942: 1).