BEST PRACTICE  an uRBAN vILLAGE  KEW BRIDGE LONDON

Dedicated to my sister and brothers; Nadine, Warrick, and William
BEST PRACTICE  an uRBAN vILLAGE  KEW BRIDGE LONDON

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DESIGN PROJECT DISCOURSE SUBMITTED IN FULFILMENT OF PART
OF THE REQUIREMENTS FOR THE
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Shelter is one of man's most basic needs and the progression of its development over time has had to deal with an ever increasingly complex world that even now places renewed demands on the way we build, live, and work.

The location of the site is at Kew Bridge, London, United Kingdom. It is at the important landmark junction of Kew Bridge north circular road and Kew Bridge road, with the immediate context consisting of 3 to 4 storey high built fabric to the north and west boundaries of the site. The Kew Bridge road slipway forms the eastern boundary of the site adjacent Kew Bridge, and the River Thames forms the southern boundary of the site.

The aim of the project is to evaluate the existing condition of high-rise residential developments and to compare this to leading environmentally sensitive projects, which utilise sustainable development strategies and renewable energy sources. These strategies and energy sources will be applied in the residential high-rise typology in the form of the Kew Bridge Urban Village.
INTRODUCTION

LOCALITY

QUALITY ENVIRONMENTS

3:1 Connections
3:2 Quality and Value

PRECEDEENTS

4:1 Habitat 67 - Montreal
4:2 BedZED - Beddington London
4:2:1 Energy Grading
4:2:2 Zero Heating Homes
4:2:3 Building Physics
4:2:4 Building Masing and Orientation
4:2:5 Bio Fuelled Combined Heating and Power [ CHP ]
4:2:6 Photovoltaics
4:2:7 Clean Water
4:2:8 Materials
4:3 Kew Bridge Housing - Kew Bridge London

DESIGN RESPONSE

5:1 Best Practice - Urban Village - Kew Bridge London
5:1:1 Character
5:1:2 Quality of the Public Realm
5:1:3 Continuity and Enclosure
5:1:4 Diversity
5:2 Design Resolution
5:2:1 Lighting
5:2:2 Access to Green Outside
5:2:3 Social Spaces
5:2:4 Build-ability
5:2:5 Heating and Cooling System

CONCLUSION

ADDENDUM

REFERENCES

ACKNOWLEDGEMENTS
University of Pretoria etd - Mc Donagh, B (2003)

1-0 INTRODUCTION
1:01 Aerial view of site - [Author 2003]

2-0 LOCALITY
2:01 World Atlas - [Contemporary World Atlas]
2:02 British Isles - [Contemporary World Atlas]
2:03 Greater London - [Contemporary World Atlas]

3-0 QUALITY ENVIRONMENTS
3:01 Trees in Pretoria - [Author 2002]
3:02 Trees in Finland 1 - [Author 2000]
3:03 Interconnectedness - [Web of Life 1996]
3:04 Connections - [Author 2003]
3:05 London street scape - [Author 2001]
3:06 Trees in Finland 2 - [Author 2000]

4-0 PRECEDENTS
4:1:01 Pretoria Sky - [Author 2002]
4:1:02 Basic stacking system for Habitat - [Beyond Habitat 1970]
4:1:03 Cross section of Habitat - [Beyond Habitat 1970]
4:1:04 Crane lifting modular unit Habitat - [Beyond Habitat 1970]
4:1:05 3D modular building system - [Beyond Habitat 1970]
4:2:01 BedZED - [Arup Journal 2003]
4:2:02 Use of Materials - [Arup Journal 2003]
4:2:03 Interior of BedZED 1 - [Arup Journal 2003]
4:2:04 Building physics - [Arup Journal 2003]
4:2:05 Mechanical and Electrical systems - [Arup Journal 2003]
4:2:07 Photovoltaics and wind powered ventilation - [Arup Journal 2003]
4:2:08 Sunset - [3D max image]
4:2:09 Interior of BedZED 2 - [Arup Journal 2003]
4:2:10 Interior of BedZED 3 - [Arup Journal 2003]
4:2:11 Interior of BedZED 4 - [Arup Journal 2003]
4-0 PRECEDEENTS

4:3:01 BM Sketch proposal - [BM Architects 2002]
4:3:02 BM Ground floor plan - [BM Architects 2002]
4:3:03 BM Typical floor plan - [BM Architects 2002]
4:3:04 BM Elevation - [BM Architects 2002]

5-0 DESIGN RESPONSE

5:1:01 Sketch proposal Urban Village - [Author 2003]
5:1:02 Urban studies Character - [Brief document 2003]
5:1:03 Urban Village model - [Author 2003]
5:1:04 Urban Studies Quality of Public Real - [Brief document 2003]
5:1:05 Public movement - [Author 2003]
5:1:06 Urban Studies Continuity and Enclosure - [Brief document 2003]
5:1:07 Public and Private Realms - [Author 2003]
5:1:08 Urban Studies Diversity - [Brief document 2003]
5:1:09 Community zone - [Author 2003]
5:1:10 Retail zone - [Author 2003]
5:1:11 Residential zone - [Author 2003]

5:2:01 Plan 2 bedroom unit A - [Author 2003]
5:2:02 3D model 2 Bedroom unitA - [Author 2003]
5:2:03 3D model 2 Bedroom unitA - [Author 2003]
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5:2:07 South west view of Urban Village - [Author 2003]
5:2:08 South east view of Urban Village - [Author 2003]
5:2:09 1166-3276A - [Metamorphosis 2001]
5:2:10 1292-181 - [Metamorphosis 2001]
5:2:11 834-1010 -[Metamorphosis 2001]
5:2:12 Social gathering zones - [Author 2003]
5:2:13 Typical structural diagram - [Author 2003]
5:2:14 Cooling reticulation diagram - [Author 2003]
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6-0 CONCLUSION

6:01 Spikes on the ground - [Author 2002]