

# 9

---

Sources intext	220
List of figures	225
Declaration	233

R

e

---

# Refer ences

---

Sources intext»

› Alexander, C. 1977. A pattern language: towns, buildings, construction. New York: Oxford University Press.

› Allen, S. 2008. Architecture and Dispersal. In Segal, R. & Verbakel, E. (eds). Architectural Design: Cities of Dispersal. Jan/Feb 2008. Vol. 78 (1). London: Wiley.

› Aymonino, A. & Mosco, V.P (eds). 2006. Contemporary Public Space: un-volumetric architecture. Milano: Skira Editore.

› Bachelard, G. 1994. Air and dreams: an essay on the imagination of movement (transl. by Farrel, E.R. & Farrel, C.F.) Dallas: The Dallas Institute of Humanities and Culture.

› Bartle, R. A. 2007. Making Places. In von Borries, F., Walts, S. P. & Bottger, M. (eds). Space Time Play: the next level. Berlin: Brikhauser.

› Beeman, W.O. 1993. The anthropology of theater and spectacle. Annual Review of Anthropology. 1993 Vol. 22. California: Baywood publishing.

› Bell, H.T.M. & Rev. Lane, C.A. 1905. A

guide to the Transvaal. Bartholomew & Lawlor Printers: Johannesburg.

› Bentham, J. Panopticon. 1995. In Bozovic, M. (ed.), The Panopticon Writings. London: Verso.

› BLDGBLOG, 2006. Stranger TV and world of cinemapolis. January 2006. [Online] Available: <[www. bldgblog.blogspot.com/2006/01/stranger-tv-and-world-of-cinemapolis.html](http://www.bldgblog.blogspot.com/2006/01/stranger-tv-and-world-of-cinemapolis.html)> [Accessed 23 June 2011].

› Brand, S. 1994. How buildings learn. New York: Penguin.

› Bremner, L. 2010. Writing the city into being 1998-2008: essays on Johannesburg. Johannesburg: Fourthwall books.

› Calvino , I. 1972. Invisible cities. 1st ed. New York: Harcourt Brace Jovanovich.

› Carr, S. et al. 1992. Public space. Cambridge: Cambridge University Press.

› Cascoland. 2007. Cascoland Joburg 2007: festival/ urban playmobile. March 2007. [Online] Available: <[www.cascoland.com/2009/index2\\_dt.php?id=1466&ca](http://www.cascoland.com/2009/index2_dt.php?id=1466&ca)

---

t=4&artist=sharpCity Architects,Dino Kiratzidis,Andreas Hofmeyr> [Accessed 23 June 2011].

> Christ, W. 2000. "Public versus private Space," IRS international symposium, Die europäische Stadt – ein auslaufendes Modell? Berlin,Germany: Erkner bei. March 2000.

> Clear, N. & Borden, I. 2009. Urbanisms. in Allen, L. Borden, I. O'Hare, N & Spiller, N. Bartlett designs: speculating with architecture. London: John Wiley & sons Ltd.

> Crawford, M. 2008. Everyday urbanism. New York: Monacelli

> Cruz, M. & Gage, S. 2009. Interaction. in Allen, L. Borden, I. O'Hare, N & Spiller, N. Bartlett designs: speculating with architecture. London: John Wiley & sons Ltd.

> Cruz, M. 2005. Inhabitable interfaces. In Cruz, M. & Marjan, C. Marcosandmarjan: interfaces / interfaces. New York: Springer.

> Davis, J. 2007. Telescopic Text. August 2007. [Online] Available: <www.

telescopictext.com> [Accessed 14 July 2010].

> DDB° Stockholm. 2009. The fun theory. September 2009. [Online] Available: <www.ddb.se/#/work/thefuntheory-piano> [Accessed 5 May 2011].

> De Certeau, M. 1984. The practice of everyday life. Berkley: University of California Press.

> De la Porte, J. 2009. Architecture before the public. July 2009. [Online] Available: <www.kaganof.com/kagablog/2009/07/04/architecture-before-the-public> [Accessed 12 November 2010].

> Dewar, D & Uytendogaardt, R.S. 1991. South Africa cities: a manifesto for change. Cape Town: Mills Litho.

> Dissanayake, E. 2002. What is art for? (5th ed.) Seattle: University of Washington Press.

> Doordan, D.P. 2001. Twentieth-Century Architecture. London: Laurence king Publishing.

> Fisher, R. Le Roux, S. Mare, E. 1998.

Architecture of the Transvaal: South Africa.  
Pretoria: University of South Africa.

> Fleming, W. & Marien, M.W. 2005. Arts and ideas. 10th ed. London: Thomas Wadsworth.

> Foucault, M. 1983. Afterword. In Dreyfus, H.L. & Rainbow, P. Beyond structuralism and hermeneutics. 2nd ed. Chicago: The University press of Chicago Press.

> Foucault, M. Discipline and Punish: The Birth of the Prison. Trans. Alan Sheridan. New York: Pantheon, 1977.

> Franck, K.A. & Stevens, Q. 2006. Loose Space: possibility and diversity in public life. London: Routledge.

> Gehl, J. & Gemzoe, L. 2003. New city spaces. Copenhagen: The Danish Architectural Press.

> Graafland, A.D. 2008. Understanding the socius through Creative mapping techniques. Delft: Delft School of Design.

> Hardingham, S. 2003. Cedric Price: Opera. Chichester: Willey-Academy.

> Hays, K. M. [ed]. 1998. Architecture theory since 1968. MIT Press: London.

> Hlahla, P. 2007. New council HQ to lead revamp of inner city. [Online] Available: <[www.iol.co.za/news/south-africa/new-council-hq-to-lead-revamp-of-inner-city-1.372228](http://www.iol.co.za/news/south-africa/new-council-hq-to-lead-revamp-of-inner-city-1.372228)> [Accessed 5may 2011].

> Hayden, F. & Temel, R. (eds). 2006. Temporary urban spaces: concepts for the use of city spaces. Basel: Birkhauser.

> Hofmeyr, A. & kiratzidis, D. 2007. Urbanplaymobile Cascoland: a built project/process. Pretoria: SharpCity.

> Jordaan, G.J. 1989. Pretoria as Urbs Quadrata. Architecture SA. May/June 1989. (26 -29). Cape Town: Picasso Headline (Pty) Ltd.

> Kyasol – Green Building Solutions (2011) 'The Terra Heat Pump'. [Online] Available: <[www.kyasol.co.za/pdf\\_docs/geothermal/information](http://www.kyasol.co.za/pdf_docs/geothermal/information)> [Accessed 11 September 2011].

- 
- › Koolhaas, R. 2005. Mutations. Barcelona: ACTAR.
  - › Koolhaas, R. 2002. The Lagos project (draft). Cambridge: Harvard Design School.
  - › Krier, L. 1980. Houses, places, cities. Berlin: Architectural Design Profile.
  - › Lafarge. 2011. Mega Steel Fiber Concrete. [Online] Available: <[www.lafarge.in/wps/portal/in/3\\_A\\_5\\_B\\_1-Mega\\_SeriesDetail?WCM\\_GLOBAL\\_CONTEXT=/wps/wcm/connectlib\\_in/Site\\_in/AllProductDataSheet/ProductDdatasheet+Exemple\\_1284719812304/ProductDdatasheet+EN](http://www.lafarge.in/wps/portal/in/3_A_5_B_1-Mega_SeriesDetail?WCM_GLOBAL_CONTEXT=/wps/wcm/connectlib_in/Site_in/AllProductDataSheet/ProductDatasheet+Exemple_1284719812304/ProductDdatasheet+EN)> [Accessed 20 October 2011].
  - › Le Corbusier. 1931. Towards a new Architecture. Translated by Etchell, F. Rodker: New York
  - › Le Roux, S. 1991. Plekke en geboue van Pretoria- Volume twee: die noordoostelike en noordwestlike kwadrante. Pretoria: Stadsraad van Pretoria.
  - › Lefebvre, H. 1991. The production of space. Translated by Smith, N.D. Oxford: Blackwell.
  - › Leitch, J. 1997. Opportunity from disaster. The 'great' Munitoria-fire. Defordview: Brooke Patrick (Pty) Ltd.
  - › Lloyd, R. 2003. Defining spatial concepts toward an African urban system. Urban Design International. Spetember 2003. Vol (8). Cape Town: unknown publisher.
  - › Mackintosh, I. 1993. Architecture, actor and audience: theatre concepts. London: Routledge.
  - › Maslow, A. 1943. A Theory of Human Motivation. Psychological Review. 1943. Vol.50: 370-96.
  - › Ntuli, P.P. 2002. Indigenous knowledge systems and the African renaissance. In Hoppers, O. C. (eds). Indigenous knowledge and the integration of knowledge systems: towards a philosophy of articulation. Cape Town: New Africa Books.
  - › Powers of ten. 2010. [Online] Available: <[www.powersof10.com](http://www.powersof10.com)> [Accessed 13 July 2011].
  - › Price, C. 2003. The square book. Chichester: Willey-Academy.

- 
- › REBAR group. 2005. November 2005. [Online] Available: <[www.rebargroup.org/parking-day](http://www.rebargroup.org/parking-day)> [Accessed 10 June 2011].
- › Rowe, P. 1987. Design Thinking. Cambridge: The MIT Press.
- › Shakespeare, W. 2000. As you like it. Cambridge, UK: Cambridge University Press.
- ›SharanG.&JadhavR.2003.Performance of Single Pass earth-Tube Heat Exchanger: An Experimental Study. Ahmedabad: Indian Institute of Management paper [Centre for Mgt in Agriculture].
- › Sensormatic. 2010. [Online] Available: <[www.sensormatic.com/Resources/Resources\\_home.aspx](http://www.sensormatic.com/Resources/Resources_home.aspx)> [Accessed 16 September 2011].
- › Stalkerlab, 2010. [Online] Available: <[www.stalkerlab.it](http://www.stalkerlab.it)> [Accessed 27 May 2011].
- › The fun theory [Volkswagen]. 2009. September 2009. [Online] Available: <[www.thefuntheory.com/piano-staircase](http://www.thefuntheory.com/piano-staircase)> [Accessed 5 May 2011].
- › ThermoWood, 2003. ThermoWood handbook. Helsinki: Finnish Thermowood Association.
- › Tindall, T. 2002. The history of the City Planning Department, City Council of Pretoria. Unpublished booklet. Pretoria.
- › Tshumi, B. 2000. Event-cities 2. Cambridge: MIT Press.
- › Tshumi, B. 1994. Event-cities [Praxis]. Cambridge: MIT Press.
- › Virrilio, P. & Spiller, N. Et al. Date Unknown. Future City. London: Thames&Hudson.
- › Viemeister, T. 2008. New TKTS booth brings something different to New York's most famous junction. [Online] Available: <[www.worldarchitecturenews.com/index.php?fuseaction=wanaappln.projectreview&upload\\_id=10523](http://www.worldarchitecturenews.com/index.php?fuseaction=wanaappln.projectreview&upload_id=10523)> [Accessed 16 September 2011].
- › von Foerster, H. 2002. Understanding understanding: essays on cybernetics and cognition. Berlin: Springer.

---

List of Figures»

0 / Cover»

> Fig. Cover. Banksy. 2005. Wall and piece. London: Centaury.

1 / introduction»

> Fig. 1.1 Urban spatial hierarchy [public space]. Krier, L. 1980. Houses, paces, cities. Berlin: Architectural Design Profile. P. 40 -41.

> Fig. 1.2 Praxis of quotidian context [public space]. Koolhaas, R. 2005. Mutations. Barcelona: ACTAR. P. 716 -717.

> Fig. 1.3 Early concept sketch. Author. March, 2011.

2 / theory»

> Fig. 2.1 Pretoria's growth. Author. 2011. Adapted from Jordaan, G.J. 1989. Pretoria as Urbs Quadrata. Architecture SA. P. 26 -29.

> Fig. 2.2 Generic City. Koolhaas, R. 2005. Mutations. Barcelona: ACTAR. P. 17.

> Fig. 2.3 Specific City [Pretoria]. Author, 2011. Adapted from Koolhaas, R. 2005. Mutations. Barcelona: ACTAR. P. 17.

> Fig. 2.4 Stage for everyday performances [Pretoria]. Author, 2011.

> Fig. 2.5 Public space realm in the Generic and Specific City, providing a new typology of public space. Author. 2011.

> Fig. 2.6 Sit-city mapping [Pretoria]. Alkayyali, A. van Sittert, B. Kruger, L. Gouws, K. Grobbelaar, L. van Deventer, T. & Botha, D. 2001.

> Fig. 2.7 Everyday user's performance. Author. 2011.

> Fig. 2.8 Everyday user's performance. Author. 2018.

> Fig. 2.9 Everyday urban condition. Author. 2009.

> Fig. 2.10 Everyday urban condition. Author. 2009.

> Fig. 2.11 Everyday natural flux. Author. 2010.

> Fig. 2.12 Everyday natural flux. Author. 2008.



---

> Fig. 2.13 Case study 2 – levels of perception; invisibility and visibility. von Foerster, H. 2002. Understanding understanding: essays on cybernetics and cognition. Berlin: Springer. P. 212.

> Fig. 2.14 Telescopic text: "I made tea". Davis, J. 2007. Telescopic text. August 2007. [Online] Available: <[www.telescopictext.com](http://www.telescopictext.com)> [accessed 14 July 2010].

> Fig. 2.15 Musical stairs. DDB° Stockholm. 2009. The fun theory. September 2009. [Online] Available: <[www.ddb.se/#/work/thefuntheory-piano](http://www.ddb.se/#/work/thefuntheory-piano)> [Accessed 5 May 2011].

> Fig. 2.16 Collage of liminality and public space within the city. Author. 2011

> Fig. 2.17 Everyday user's performance. Author. 2011.

> Fig. 2.18 Everyday user's performance. Author. 2011.

> Fig. 2.19 Everyday urban condition. Author. 2010.

> Fig. 2.21 Everyday natural flux. Author. 2011.

> Fig. 2.22 Everyday natural flux. Author. 2008.

> Fig. 2.23 Interpretation of 'gameboard strategy'. Alkayyali, A. Gouws, C & Grobbelaar, L. 2011. As understood from Graafland, A.D. 2008. Understanding the socius through Creative mapping techniques. Delft: Delft School of Design.

> Fig. 2.24 Relativity. M. C. Escher. 1953.

> Fig. 2.25 Spanish Stairs in Rome. Wolfgang, M. 2005. [Online] Available: <[upload.wikimedia.org/wikipedia/commons/thumb/8/85/Roma-piazza\\_di\\_spagna.jpg/800px-Roma-piazza\\_di\\_spagna.jpg](http://upload.wikimedia.org/wikipedia/commons/thumb/8/85/Roma-piazza_di_spagna.jpg/800px-Roma-piazza_di_spagna.jpg)> [accessed 22 August 2010].

> Fig. 2.26 Spatial concept drawing of Project. Author. March, 2011.

3 / context»

> Fig. 3.1 Pretoria, context map. Author. 2011.

> Fig. 3.2 Urban localit, Pretoria, South Africa. Unknown author. 2007.

> Fig. 3.3 Van der Walt Spatial structure.

---

Alkayyali. Author. 2011.

- > Fig. 3.4 Spatial structure Van der Walt street. Alkayyali, A. Grobbelaar, L. Kruger, L. 2011.
- > Fig. 3.5 Edge condition Van der Walt street. Alkayyali, A. Grobbelaar, L. Kruger, L. 2011.
- > Fig. 3.6 Pace of pedestrian Van der Walt street. Alkayyali, A. Grobbelaar, L. Kruger, L. 2011.
- > Fig. 3.7 Transport infrastructure Van der Walt street. Alkayyali, A. Grobbelaar, L. Kruger, L. 2011.
- > Fig. 3.8 Formal / Informal [trading] Van der Walt street. Alkayyali, A. Grobbelaar, L. Kruger, L. 2011.
- > Fig. 3.9 Open green spaces Van der Walt street. Alkayyali, A. Grobbelaar, L. Kruger, L. 2011.
- > Fig. 3.10 Design guidelines. Alkayyali, A. et al. 2011. Adapted from Gehl, J. & Gemzoe, L. 2003. New city spaces. Copenhagen: The Danish Architectural Press.
- > Fig. 3.11 Group urban framework. Alkayyali, A. et al. 2011.
- > Fig. 3.12 Quotidian context of van der Walt street. Author. 2011.
- > Fig. 3.13 Munitoria under construction. Public Relations Office, Department of Cultural Affairs, City Council of Pretoria. 1969. Munitoria Inaugural Brochure.
- > Fig. 3.14 Munitoria implosion. JET Demolition. 1998. Implosion of the fire damaged Munitoria building. P. 5.
- > Fig. 3.15 Munitoria West-wing. Le Roux, S. 1991. Plekke en geboue van Pretoria- Volume twee: die noordoostelike en noordwestlike kwadrante. Pretoria: Stadsraad van Pretoria. P. 45
- > Fig. 3.16 Munitoria urban cavity. Author. 2011.
- > Fig. 3.17 Munitoria South-wing and urban cavity. Author. 2011.
- > Fig. 3.18 Munitoria burnt West-Wing and views. Author. 2011.

> Fig. 3.19 Urban cavity, surface texture. Author. 2011.

> Fig. 3.20 Urban cavity, floor texture. Author. 2011.

> Fig. 3.21 Urban cavity, wall texture. Author. 2011.

#### 4 / precedents»

> Fig. 4.1 REBAR, 2005. Park(ing). [Online] Available: <[www.rebargroup.org/projects/parking/map/map.html](http://www.rebargroup.org/projects/parking/map/map.html)> [accessed 24 July 2010].

> Fig. 4.2 Cascoland, SharpCity appropriation of public space. 2007. [Online] Available: <[www.cascoland.com/2009/index2\\_dt.php?id=1466&cat=4&artist=sharpCity](http://www.cascoland.com/2009/index2_dt.php?id=1466&cat=4&artist=sharpCity)> Architects, Dino Kiratzidis, Andreas Hofmeyr [accessed 7 September 2010].

> Fig. 4.3 Viemeister, T. 2008. New TKTS booth brings something different to New York's most famous junction. [Online] Available: <[www.worldarchitecturenews.com/index.php?fuseaction=wanaappln.projectreview&upload\\_id=10523](http://www.worldarchitecturenews.com/index.php?fuseaction=wanaappln.projectreview&upload_id=10523)> [Accessed 16 September 2011].

> Fig. 4.4 Parc de la Vilette, B. Tschumi public infrastructure and planning. 2010. [Online] Available: <[www.tschumi.com/projects/3/](http://www.tschumi.com/projects/3/)> [accessed 10 September 2010].

> Fig. 4.4 Magnets, C. Price public infrastructure and planning. from Hardingham, S. 2003. Cedric Price: Opera. Chichester: Willey-Academy. P.100-101.

> Fig. 4.4 Yokohama International Port Terminal, FOA public architecture and policy. from Foreign Office Architects. 2005. Working, University of Michigan Press.

#### 5 / design»

> Fig. 5.1 Concept Model of van der Walt street and interventions. Author. 2011.

> Fig. 5.2 Mapping and analysis of van der Walt street with proposed interventions. Author. 2011.

> Fig. 5.3 Concept of #3 Stairway. Author. 2011.

> Fig. 5.4 Stairway perspective. Author. 2011.

---

> Fig. 5.5 Axonometric of site and context. Author. 2011.

> Fig. 5.6 Site plan and context. Author. 2011.

> Fig. 5.7 Ground floor plan. Author. 2011.

> Fig. 5.8 Basement plan (urban cavity). Author. 2011.

> Fig. 5.9 Concept cross-section of spaces (North-South). Author. 2011.

> Fig. 5.10 Concept model of stairway. Author. 2011.

> Fig. 5.11 Perspective of public tower. Author. 2011.

> Fig. 5.12 Conceptual section of public tower and functions. Author. 2011.

> Fig. 5.13 Connection to neighbouring structure. Author. 2011.

> Fig. 5.14 Diagrams of Stairway. Author. 2011.

> Fig. 5.15 Ground floor plan. Author. 2011.

> Fig. 5.16 Basement plan. Author. 2011.

> Fig. 5.17 Conceptual view of space bellow Stairway. Author. 2011.

> Fig. 5.18 Spatial understanding of urban cavity and Stairway. Author. 2011.

> Fig. 5.19 Conceptual development of building and section. Author. 2011.

> Fig. 5.20 Sketch concept of stairway. Author. 2011.

> Fig. 5.21 Sketch concept of stairway. Author. 2011.

> Fig. 5.22 Spatial section of architecture. Author. 2011.

> Fig. 5.23 Perspective of surveillance space bellow. Author. 2011.

> Fig. 5.24 Exploded-axo of structure. Author. 2011.

> Fig. 5.25 Detail [A+B] of structure. Author. 2011.

> Fig. 5.26 Concept of structure. Author. 2011.

- 
- > Fig. 5.27 Sectional-axo of spaces bellow [1]. Author. 2011.
    - > Fig. 5.28 Section of spaces bellow [1]. Author. 2011.
    - > Fig. 5.29 Sectional-axo of spaces bellow [2]. Author. 2011.
    - > Fig. 5.30 Section of spaces bellow [2]. Author. 2011.
    - > Fig. 5.31 Sectional-axo of spaces bellow [3]. Author. 2011.
    - > Fig. 5.32 Section of spaces bellow [3]. Author. 2011.
    - > Fig. 5.33 Sectional-axo of spaces bellow [4]. Author. 2011.
    - > Fig. 5.34 Section of spaces bellow [4]. Author. 2011.
    - > Fig. 5.35 Exploded-axo of surface. Author. 2011.
    - > Fig. 5.36 Detail [C+D] of surface. Author. 2011.
  - > Fig. 5.37 Concept of surface. Author. 2011.
    - > Fig. 5.38 Diagrammatic comparison of skin. Author. 2011. Adapted from Brand, S. 1994. How buildings learn. New York: Penguin.
    - > Fig. 5.39 Exploded-axo of Handrail. Author. 2011.
    - > Fig. 5.40 Detail [E+F+G] of surface. Author. 2011.
    - > Fig. 5.41 Concept of handrail. Author. 2011.
    - > Fig. 5.42 Programming of public space. Author. 2011.
    - > Fig. 5.43 Diagrams of adaptation of space and programme. Author. 2011.
    - > Fig. 5.44 Surface quality of stairway, spatial quality. Author. 2011.
    - > Fig. 5.45 Diagram of materials and construction. Author. 2011.
    - > Fig. 5.46 Exploded-axo of tower as liminal public infrastructure. Author. 2011.

---

> Fig. 5.47 Exploded axo of surveillance pod. Author. 2011.

> Fig. 5.48 Detail [I + J] of surveillance pod. Author. 2011.

> Fig. 5.49 Concept of surveillance pod. Author. 2011.

> Fig. 5.50 Diagram of water as infrastructure. Author. 2011.

> Fig. 5.51 Spatial concept drawing of project. Author. 2011.



-----  
In accordance with Regulation 4(e) of the General Regulations (G.57) for dissertations and theses, I declare that this thesis, 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 thesis has already been, or is currently being, submitted for any such degree, diploma or other qualification.

I further declare that this thesis 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.



Ahmed Alkayyali

October 2011



**WHAT ARE  
YOU  
LOOKING AT?**

