



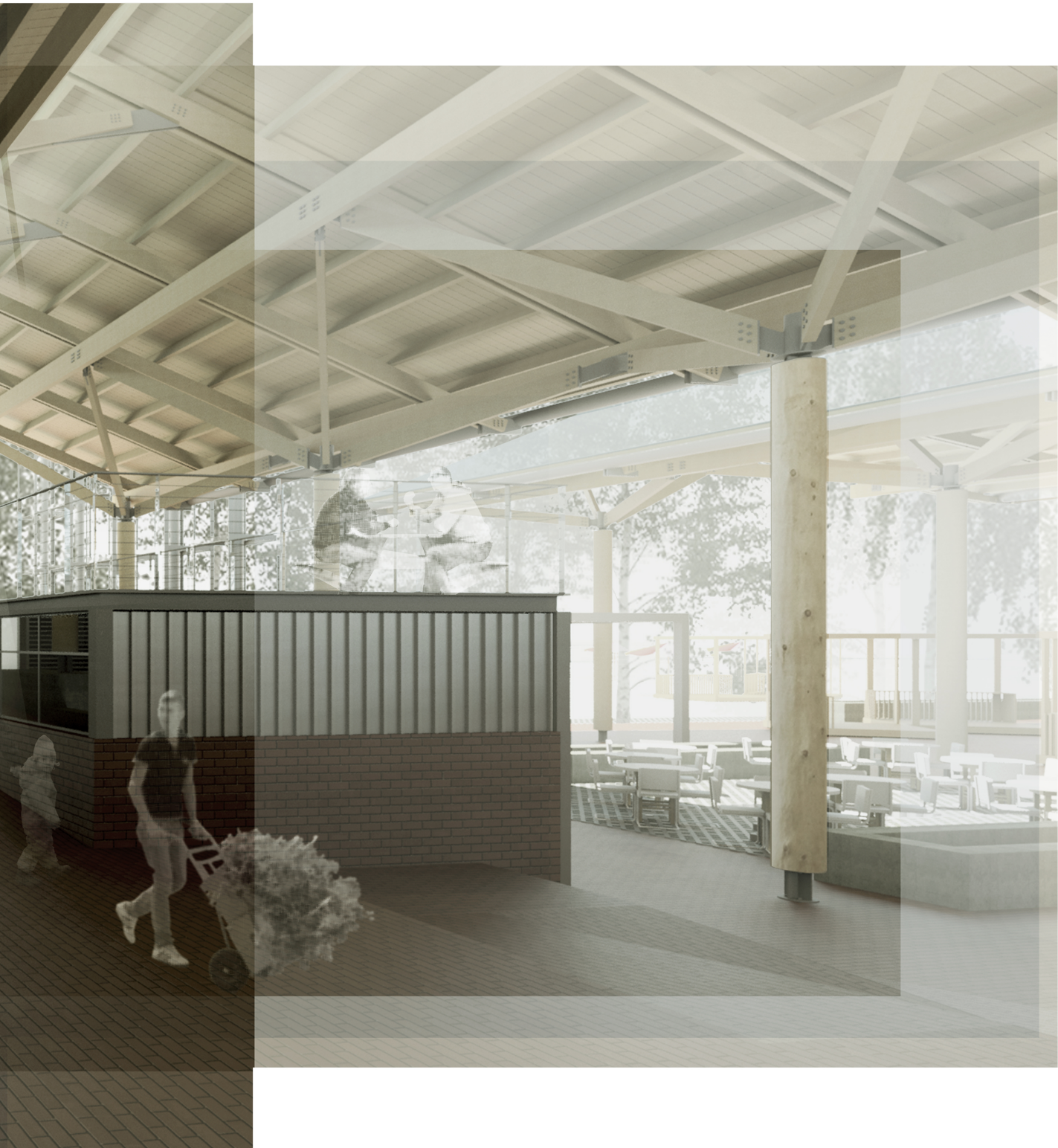
109

CONCLUSION

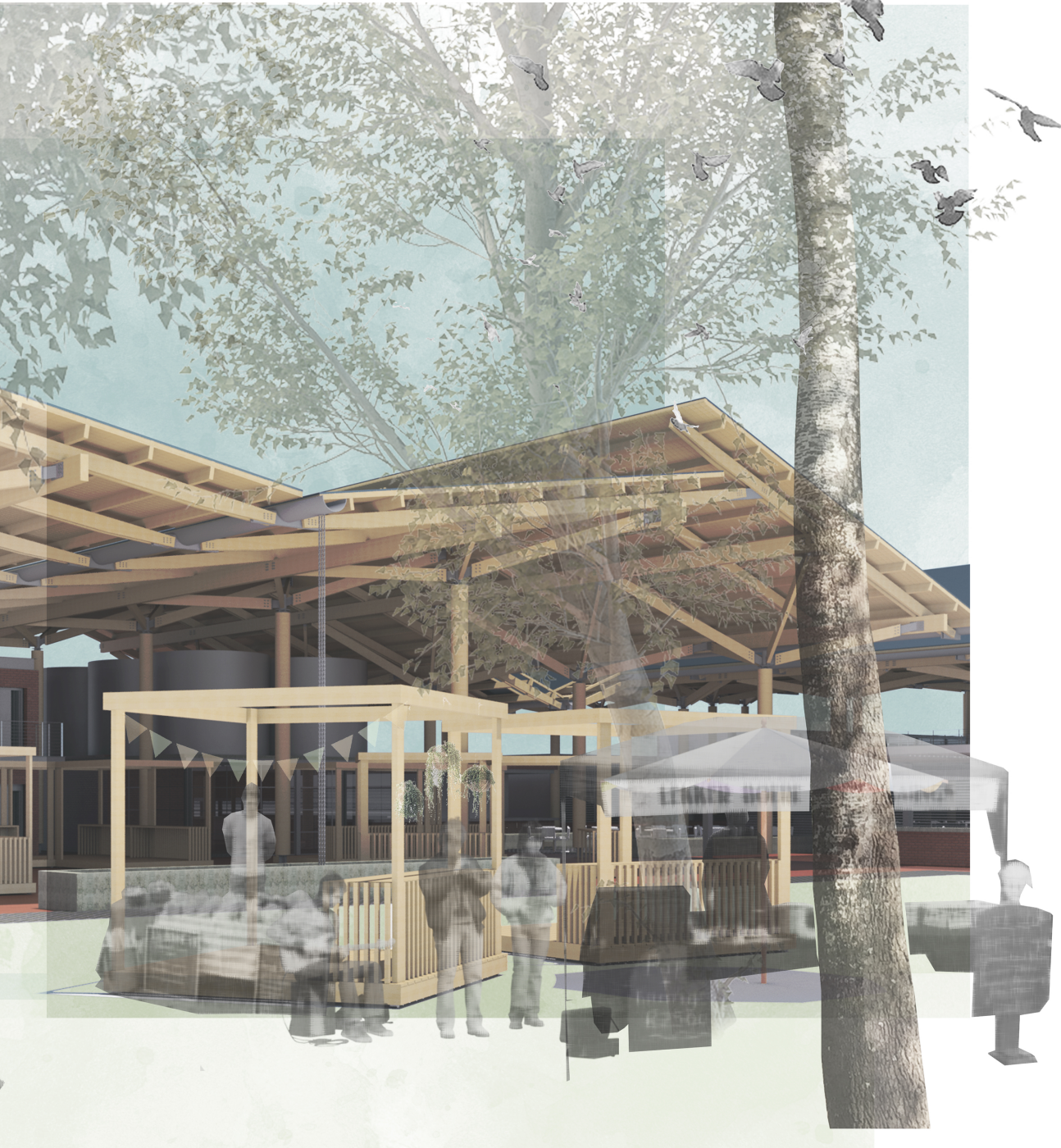
The hope is that this project will succeed in its intention to serve as an alternative approach to retail design in the context of Pretoria and more specifically Silverton. The believe is that the theoretical premise produced valuable guidance towards how to approach retail spaces differently. The project produced a space of commerce that not only serve as a place of consumption, but a place for people and community. The product of this dissertation is the response to the theoretical arguments that aimed to produce a retail space that is inclusive, well integrated into its context and reflects the authenticity of the community it serve.

As consumption remains a vital part of our contemporary society, retail space will remain to play a significant role in shaping our urban environments. The hope is that this dissertation will serve as a catalyst for further development and research in retail space design in the urban context of Pretoria to recreate the typical shopping mall typology as open minded civic space.









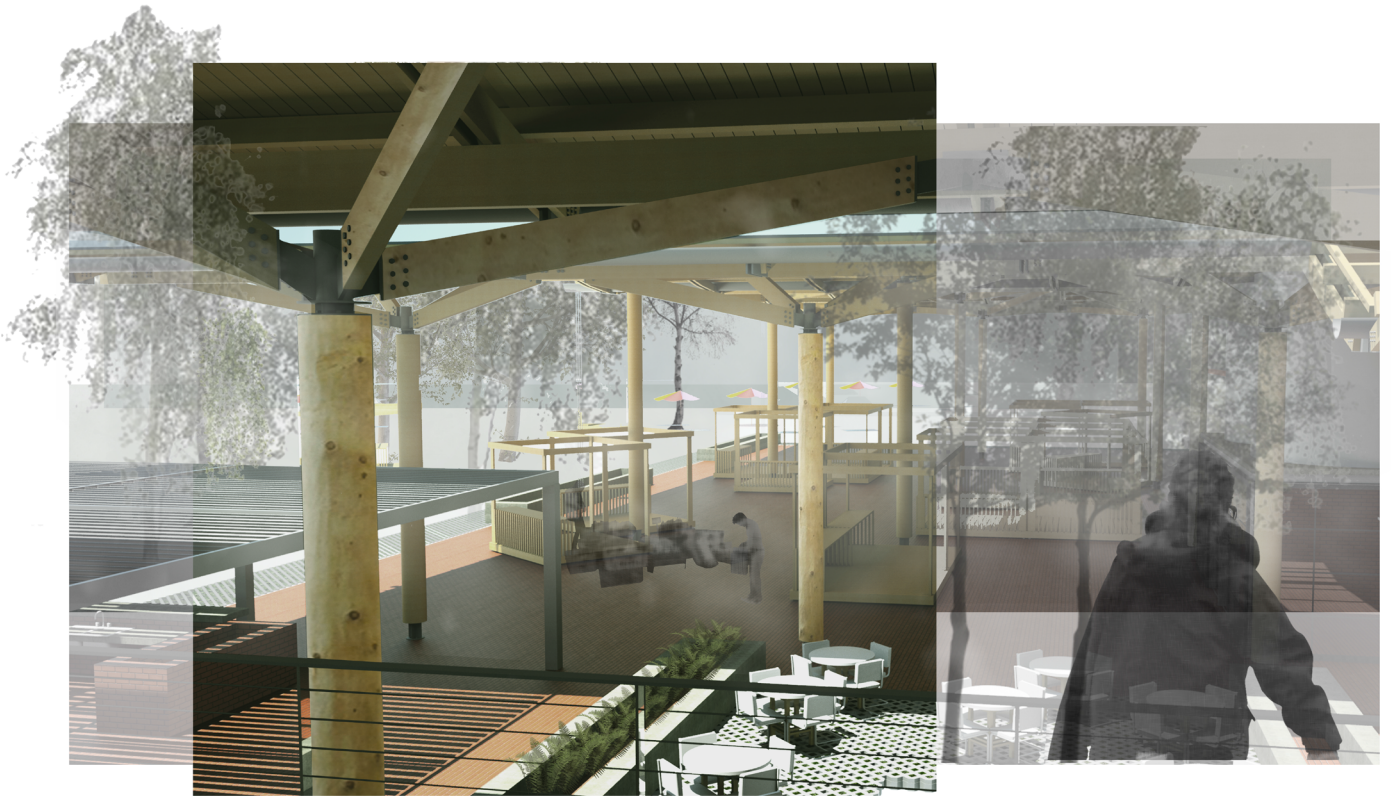
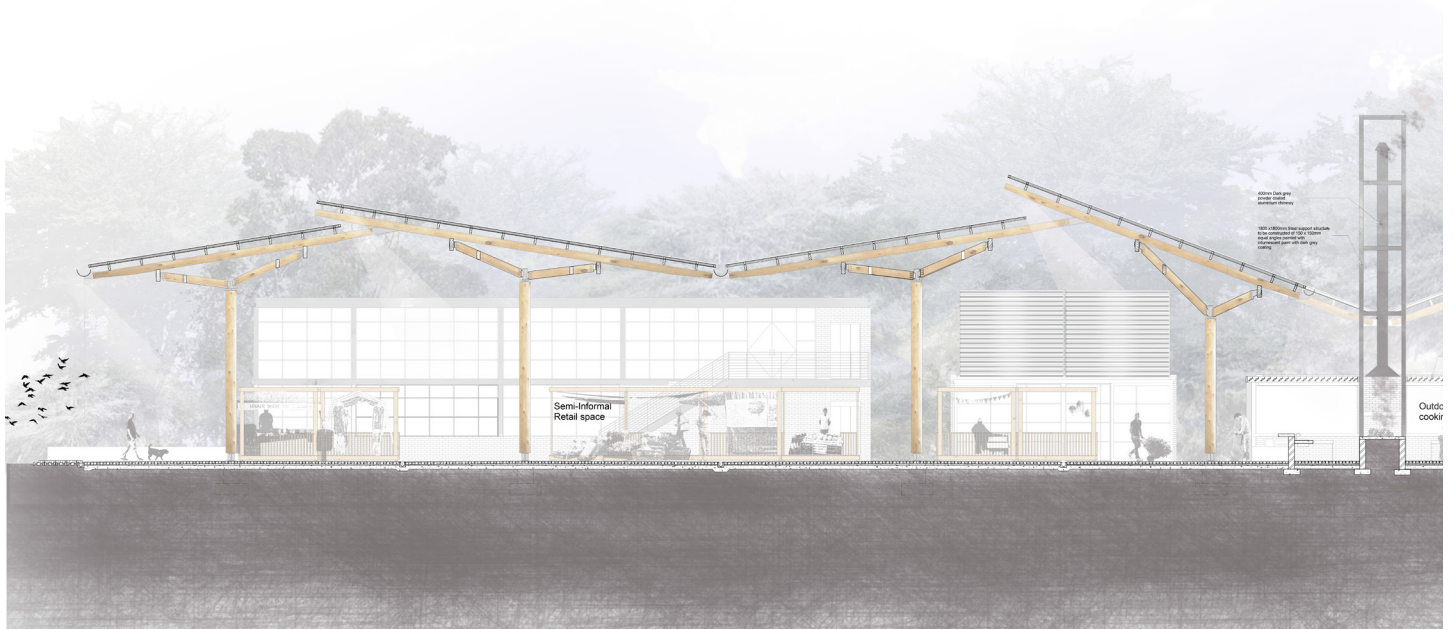


Figure 9.3 Interior Perspective (Author)



Figure 9.4 North Eastern perspective view (Author)



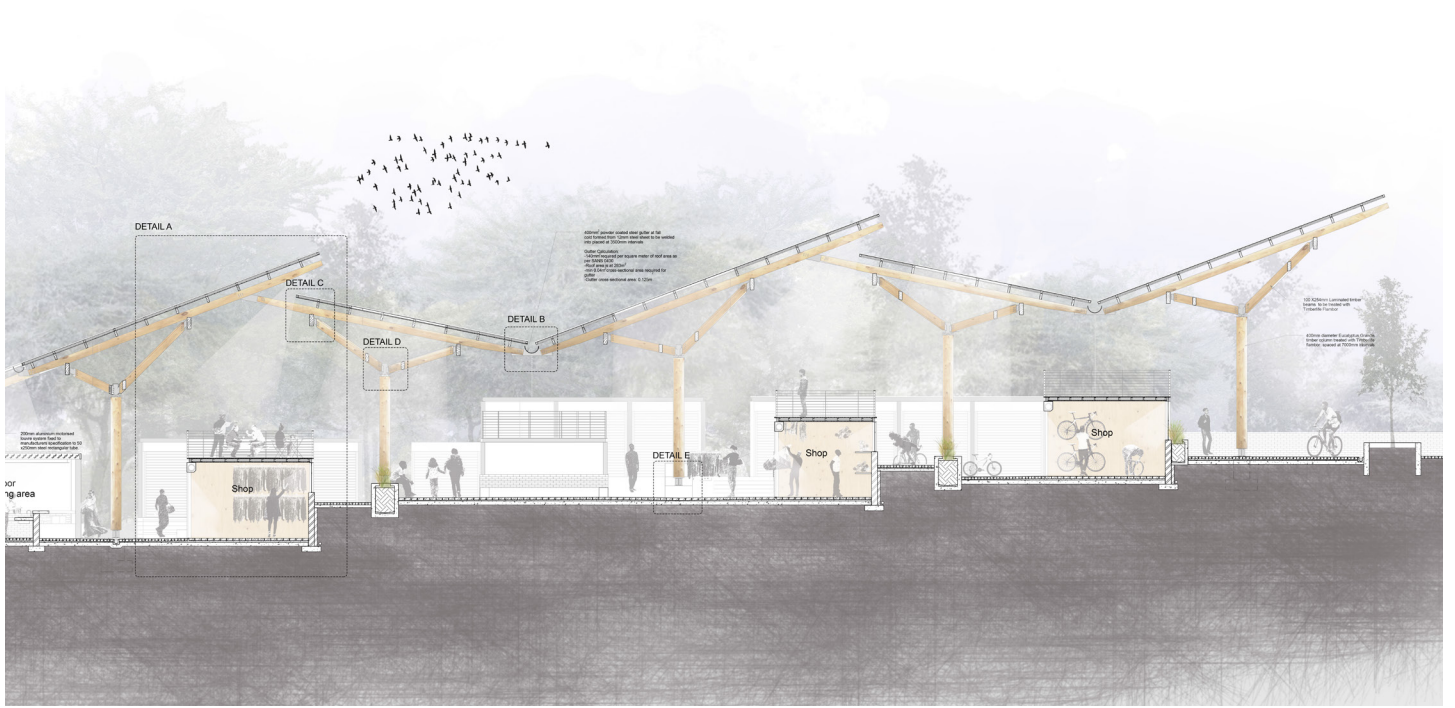


Figure 9.5 Section A-A NTS (Author)

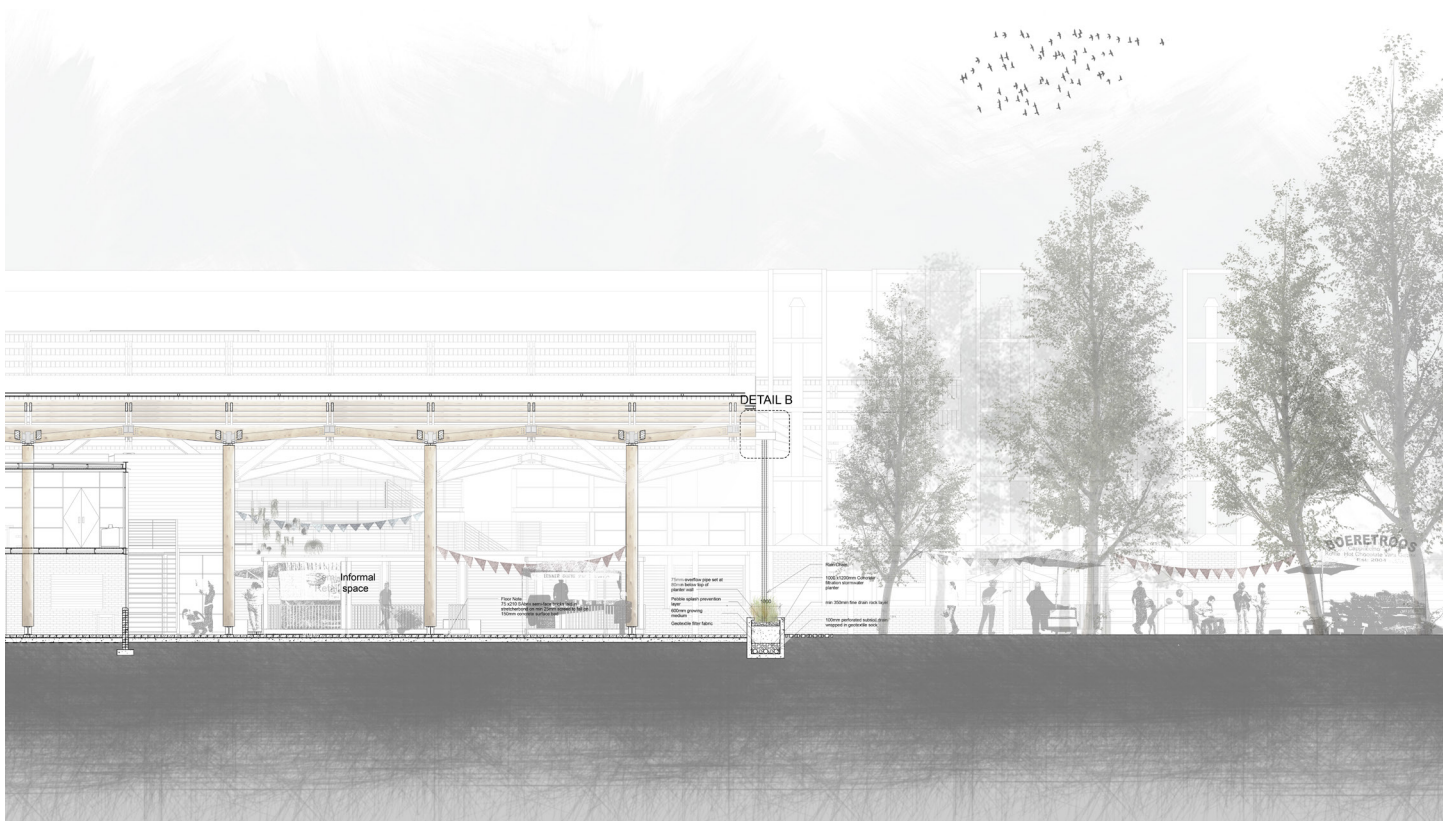
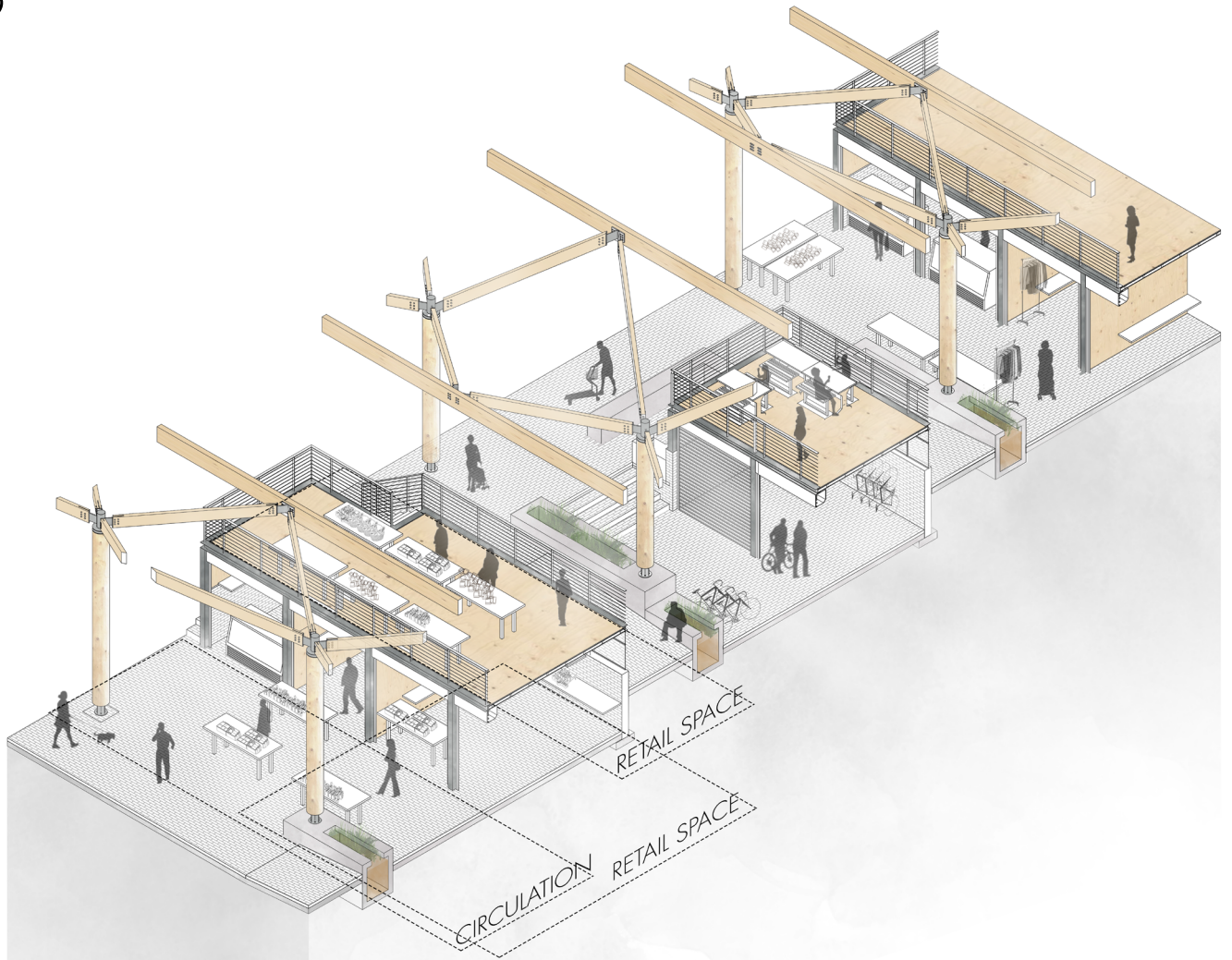
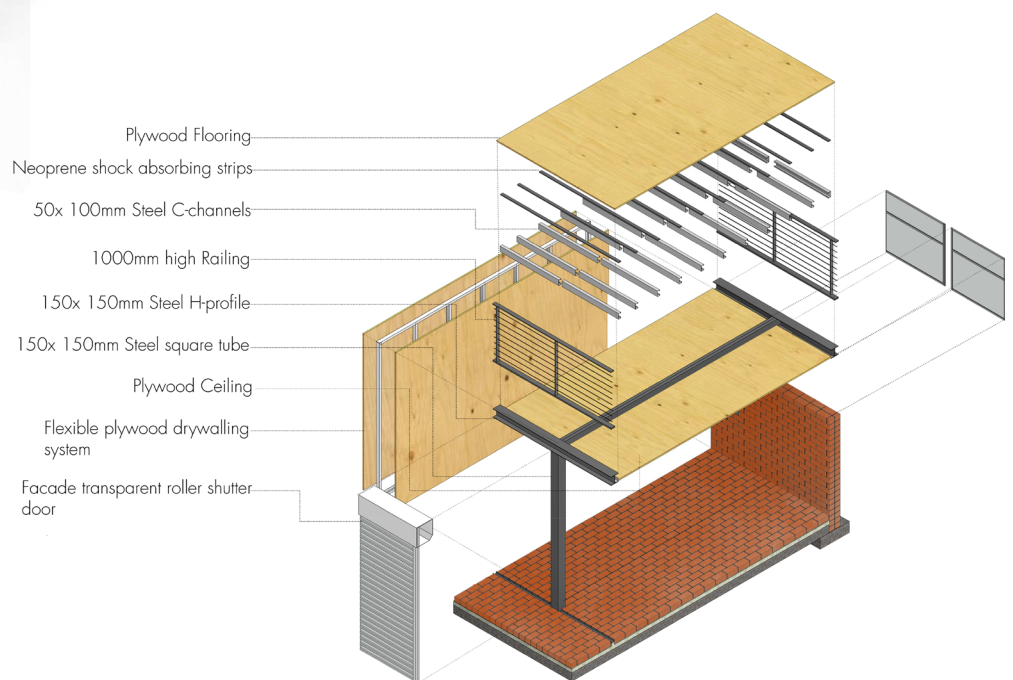


Figure 9.6 Section B-B NTS (Author)



AXONOMETRIC VIEW OF THE SEMI-PERMANENT/FLEXIBLE SPACE



DETAIL AXONOMETRIC OF TYPICAL FLOOR

Figure 9.7 Redefining Retail (Author)

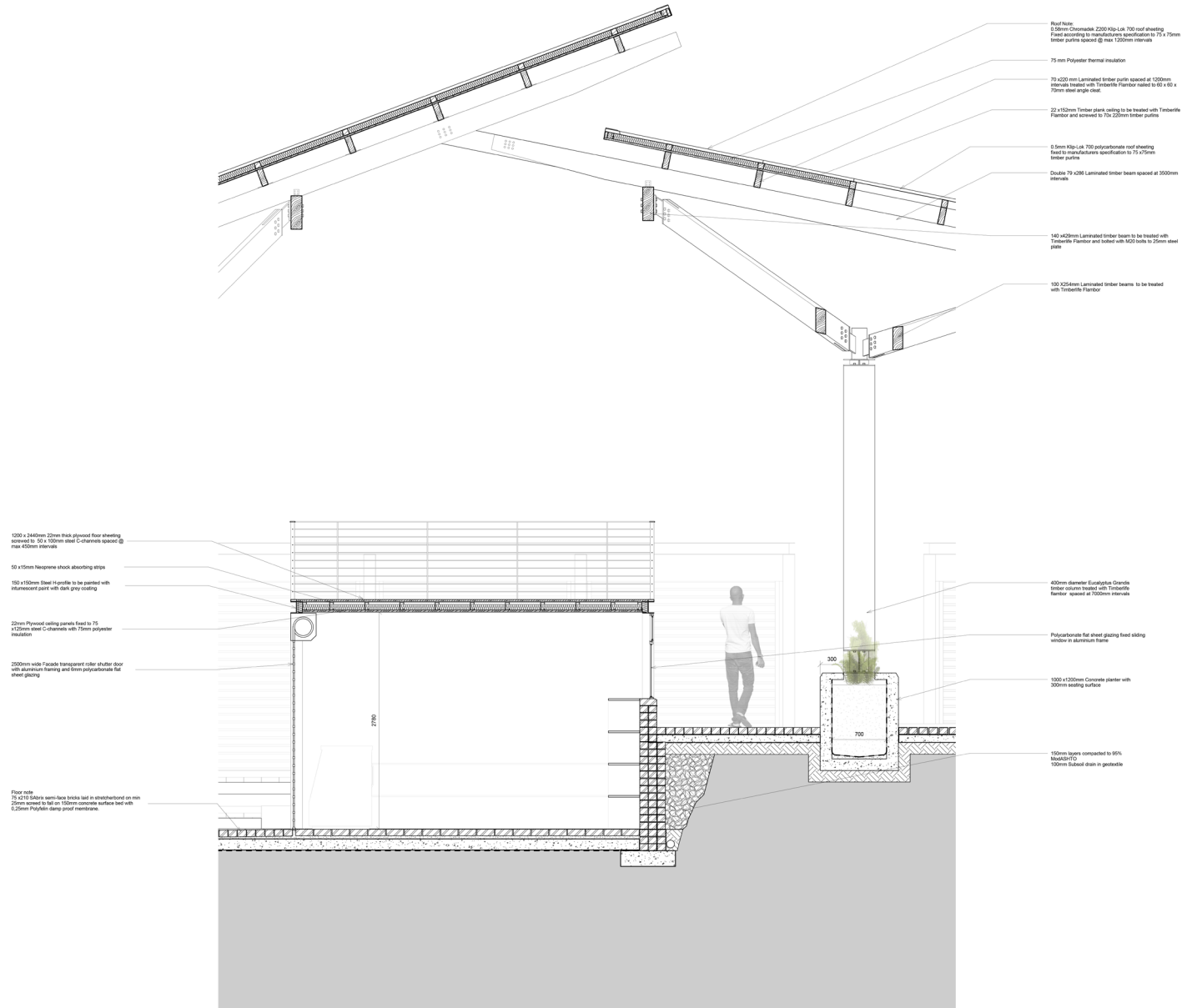
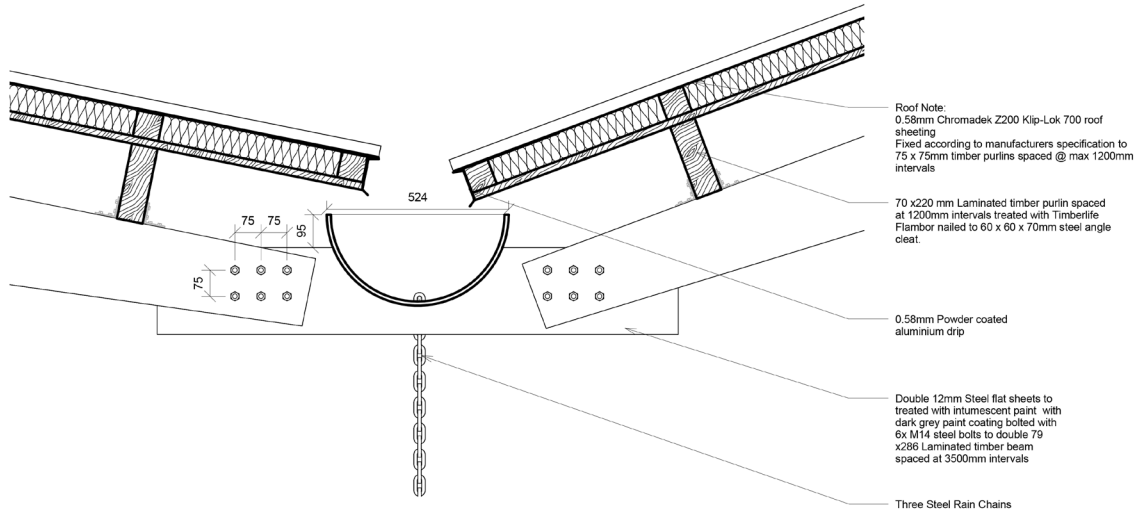
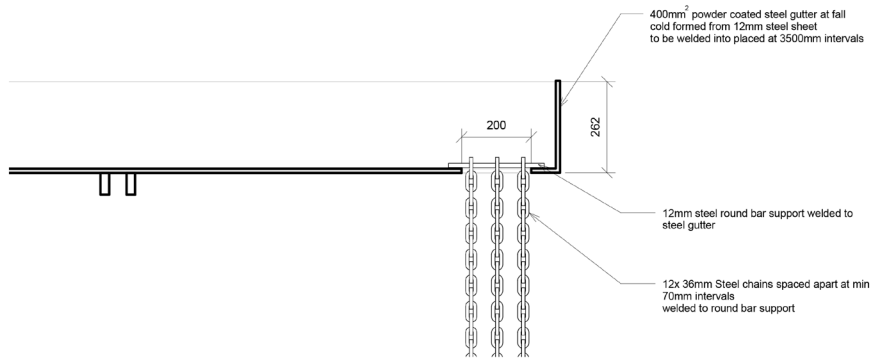


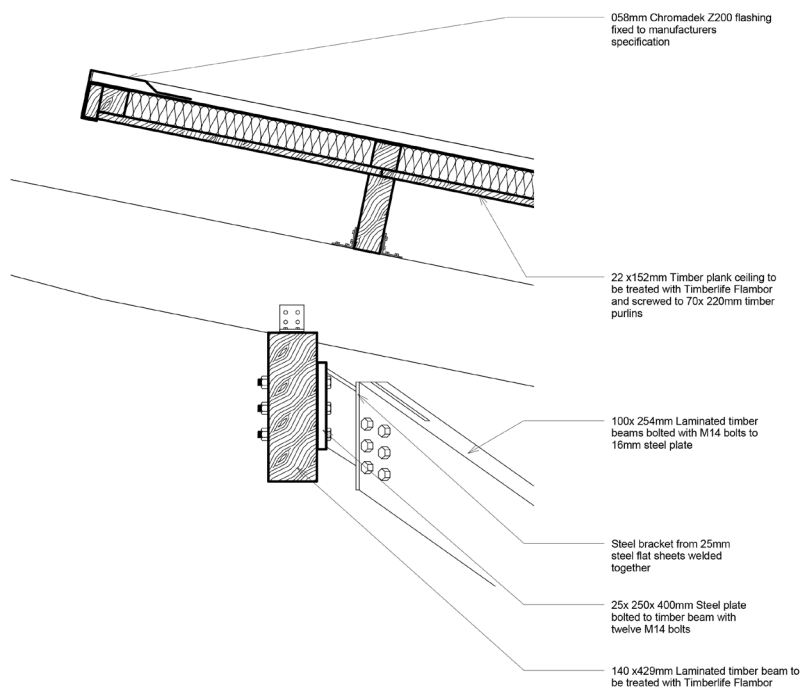
Figure 9.8 Detail A (Author)



DETAIL B
1:10

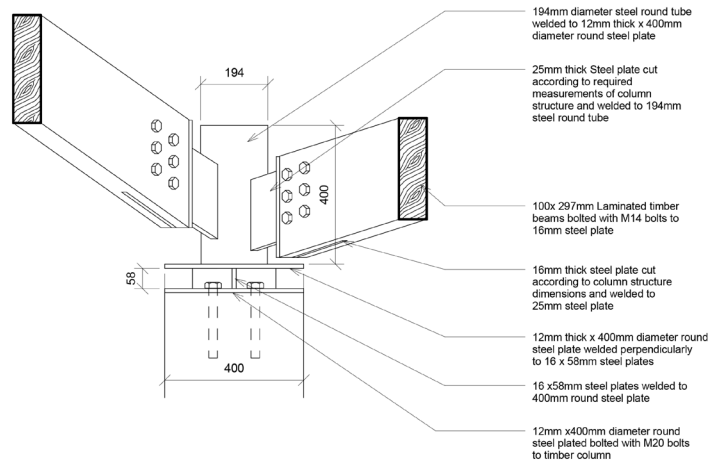


DETAIL B
1:10

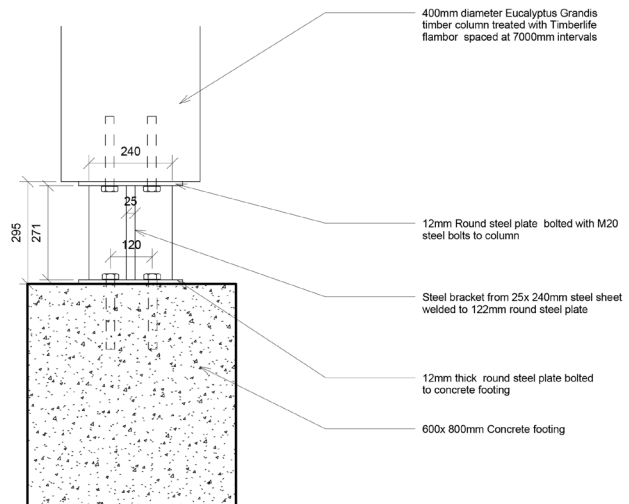


DETAIL C

Figure 9.9 Detailing (Author)



DETAIL D
1:10



DETAIL E
1:10



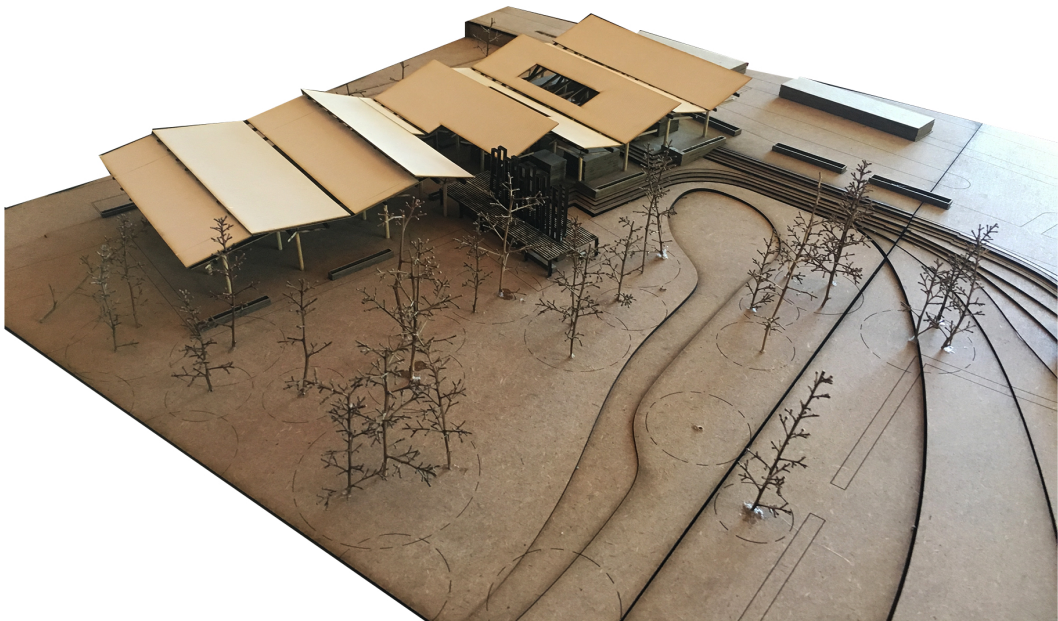
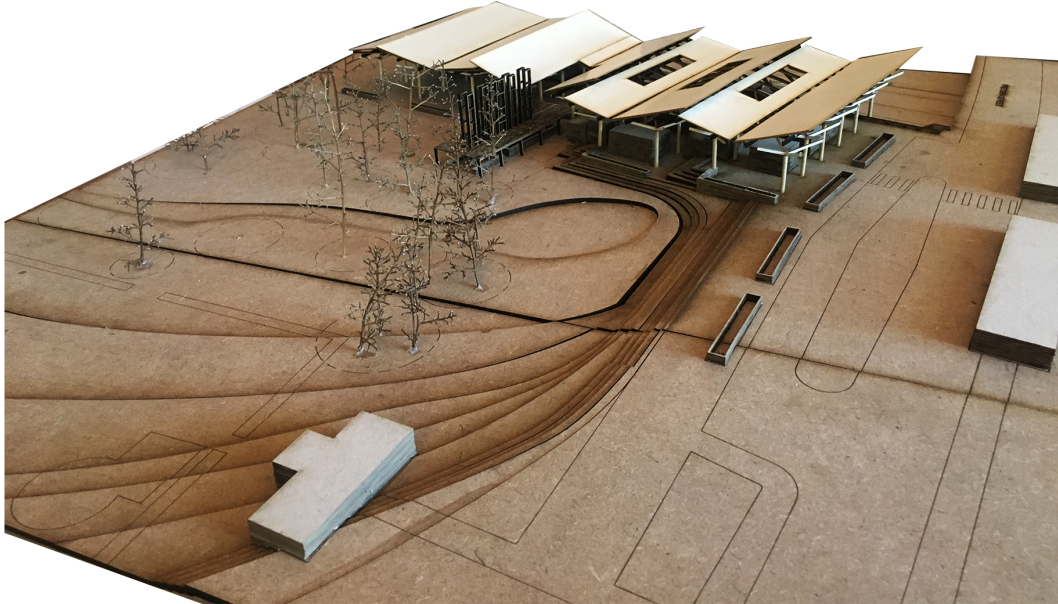




Figure 9.13 Final Presentation (Author)



Figure 9.14 Final Presentation (Author)



10 LIST OF FIGURES

Figure 1.1 The Site Location (Author 2016)	viii
Figure 1.2 The Silverton Merchant (Author 2016)	ix
Figure 1.3 [de]Box (Author 2016)	xi
CHAPTER 01	
Figure 1.4 The research problem (Author 2016)	3
Figure 1.5 Diagram of methodology (Author 2016)	6
CHAPTER 02	
Figure 2.1. Map of Silverton. (Author2016)	9
Figure 2.2. Location of Silverton in comparison to Church Square (Author 2016)	11
Figure 2.3 Historical timeline of Silverton (Author 2016).	12
Figure 2.4. Existing Conditions of Silverton (Author 2016)	13
Figure 2.5. Existing Section through Pretoria Street (Author 2016).	13
Figure 2.6. The condition card (Author 2016)	14
Figure 2.7. Mapped Conditions of Silverton (Author2016).	15
Figure 2.8. Street Conditions of Silverton (Author 2016).	16
Figure 2.9. Recycling of materials (Author 2016).	16
Figure 2.10. The language of Silverton (Author 2016).	16
Figure 2.11 Car sales in Silverton (Author 2016)	16
Figure 2.12 Factories in Silverton (Author 2016).	16
Figure 2.13 The Vision Formation (Author 2016).	17
Figure 2.14 The Vision of A[u]ton (Author 2016).	18
Figure 2.15 The Vision of A[u]ton diagrammatically (Author2016).	19
Figure 2.16. The Vision along Pretoria Street between the two projects of UN-Box and WASOP as two anchor and departure points for the urban framework (Author 2016).	20
Figure 2.17. The vision for Pretoria Street (Author 2016).	20
Figure 2.18. The vision for President Street (Author 2016).	21
CHAPTER 03	
Figure 3.1.The Site (Author 2016)	23
Figure 3.2. Aerial view of the proposed site (Author 2016).	25
Figure 3.3. Site Critique (Author 2016)	25
Figure 3.4. Existing site conditions (Author 2016)	27
Figure 3.5 Location of the Pioneer museum (Author2016)	28
Figure 3.6 The Pioneer House (Naude 2012: 47)	28
Figure 3.7 The Pioneer House (Author 2016)	29
Figure 3.8 The animal shelter (Author)	30
Figure 3.9 The "perskebrd" (Author)	30
Figure 3.10 Construction of the Pioneer House (Author)	31
Figure 3.11 Reconstructed version of the barn (Author)	31
Figure 3.12 Silverton Suburbia (Author)	32
Figure 3.13 The "UNSEEN" condition of hidden retail (Author)	32
Figure 3.14 The suburban built fabric of Silverton (Author)	32
Figure 3.15 The historic development of suburban Silverton (Author)	33
Figure 3.16 A typical house in Silverton (Author)	34
Figure 3.17The mixed residential typologies in Silverton (Author)	35
Figure 3.18 The location of the Boeremark in relation to the other existing programmes of fire station and the Silvertwater Crossing Mall (Author)	36
Figure 3.19 Sketch of the spatial qualities of Boeremark (Author)	36



Figure 3.22 The market and the trees (Author)	37
Figure 3.23 The market positioned around the trees (Author)	37
Figure 3.24 The quality of the trees (Author)	37
Figure 3.25 The spatial layout of the market as influenced by the trees (Author)	38
Figure 3.26 The ground and circulation layout of the market as influenced by the trees (Author)	39
Figure 3.27 The location of the trees (Author)	40
Figure 3.28 The Poplar trees (Author)	40
Figure 3.29 The location of water bodies on site (Author)	41
Figure 3.30 The pond on site (Author)	41
Figure 3.31 Conceptual diagram of the site vision (Author)	42
Figure 3.32 Conceptual collage of vision for promenade along Moreletaspruit. (Author)	42
Figure 3.33 Conceptual approach to the site vision (Author)	
Figure 3.34 Site vision development (Author)	43
Figure 3.34 Site vision (Author)	43
Figure 3.35 Diagrams of the site vision (Author)	44
CHAPTER 04	
Figure 4.1 The Precedent Studies (Author)	47
Figure 4.2. Floor plan diagrams of the Watershed (Available at http://kandi.co.za/portfolio/the-va-watershed-signage/ (Accessed 02 October 2016))	48
Figure 4.3. Interior view of the Watershed. (Mackenzie Hoy 2014: 59)	48
Figure 4.3. Interior view of the Watershed. (Mackenzie Hoy 2014: 59)	49
Figure 4.4. Entrance to the Watershed. (Mackenzie Hoy 2014: 58)	49
Figure 4.5. Circulation in the Watershed (Mackenzie Hoy 2014:60)	49
Figure 4.6. Space for semi-informal trade (Mackenzie Hoy 2014: 58)	49
Figure 4.7. The Co-work space at the Watershed (Mackenzie Hoy 2014: 61)	49
Figure 4.8. Floor Plan diagram of 27 Boxes (Available at http://27boxes.co.za/ Accessed 6 September 2016)	50
Figure 4.9. Food outlets at 27 Boxes showing retail spaces as separate boxes (Author 2015)	51
Figure 4.10. Atrium space at 27 Boxes (Author 2015)	51
Figure 4.11 Amphitheatre (Available at http://27boxes.co.za/ Accessed 6 September 2016)	51
Figure 4.12 Spatiality and Construction (Available at http://27boxes.co.za/ Accessed 6 September 2016)	51
Figure 4.13. The public square of Meydan shopping square (Messedat 2015: 178)	53
Figure 4.14. Aerial view of Meydan shopping square (Messedat 2015)	53
Figure 4.15. Civic use of Meydan Shopping Square (Messedat 2015: 179)	53
Figure 4.16 Meydan Shopping Square (Messedat 2015: 179).	53
Figure 4.17. The scale of the roof. A continuation of urban space into market space (Available at http://www10.aecafe.com/blogs/arch-showcase/2014/03/20/encants-barcelona-in-spain-by-b720-fermin-vazquez-arquitectos/ Accessed 8 Auguts 2016)	55



10

Figure 4.18. Scale model of Mercat Encants explaining the differentiation between market stalls and roof 2015: 179).	55
Figure 4.19. Shop design and layout of Mercat Encants 2015: 179).	55
Figure 4.20. Shop design and layout of Mercat Encants B2015: 179).	55

CHAPTER 05

Figure 5.1 Joseph Paxton's Crystal Palace (Printed from Koolhaas et al. 2001: 228)	57
Figure 5.2 The Mall as Diagram (Koolhaas et al. 2001)	58
Figure 5.3 The Urban Borders of The Mall (Author)	58
Figure 5.4 Retail Spaces per population for developing nations. (Author)	60
Figure 5.5 The Stoa at the ancient Greek Agora (Available at http://areteeirene.deviantart.com/art/Stoa-Wallpaper-25009239/ Accessed 5 August 2016)	61
Figure 5.6 The Roman Forum (Frampton 2015, Available at http://www.aarome.org/news/features/stephanie-frampton-studies-authors-and-inscription-in-ancient-rome/ Accessed 2 September 2016)	61
Figure 5.7 The Grand Bazaar at Isfahan (Oruj 2015, Available at http://orujtravel.com/en/attraction/qeysarie-bazaar/ Accessed 2 September 2016)	62
Figure 5.8 Example of a Parisian Arcade (Koolhaas et al. 2001: 178)	62
Figure 5.9 Galeria Vittorio Emanuele (Koolhaas et al. 2001: 10)	63
Figure 5.10 The Gum Department Store (Koolhaas et al. 2001: 12)	63
Figure 5.11 Interior of Southdale Shopping centre by Victor Gruen (Trufelman 2015, available at http://99percentinvisible.org/episode/the-gruen-effect/ accessed 20 August 2016)	64
Figure 5.12 Menlyn Park Shopping Centre (Author 2016)	64
Figure 5.13 Illustration of Harrod's Department Store in London (Jha 2012/ Available at http://www.slideshare.net/Ankitjha/harrods-15041456 / Accessed 3 September 2016)	66
Figure 5.14 Advertisement for Victor Gruen's 1958 Southdale Shopping Centre (Trufelman 2015)	66
Figure 5.15 Historical development of the shopping mall. (Graphic: Author; Data: Koolhaas et al. 2001)	68
Figure 5.16 Modernism and the escalator. (Koolhaas et al. 2001)	69

CHAPTER 06

Figure 6.1. The Monolith (Author)	73
Figure 6.2. The Shopping Mall and Parking held together by infrastructure (Author)	74
Figure 6.3. The Autonomist (Author)	75
Figure 6.4. The Imploder (Author)	77
Figure 6.5. The empirical formula as developed by Victor Gruen (Koolhaas et al 220)	78
Figure 6.6. The climatic conditions of Pretoria (Pretoria Climate 2015. Available at http://www.pretoria.climateemps.com/ Accessed 2 September 2016)	78
Figure 6.7. The bio-climatic chart of human comfort (Joubert 2012: 11)	78
Figure 6.8 The Internalist (Author)	79
Figure 6.9. The new retail that don't require an anchor store. (Author)	80



Figure 6.10 The New Retail (Author)	81
Figure 6.11 The first, second and third Space (Author)	83
CHAPTER 07	
Figure 7.1 Conceptual sketch of design intentions. (Author)	86
Figure 7.2 Diagram of architectural intentions. (Author)	87
Figure 7.3 Interior space showing the pods functioning under a "shed"(Marvel Architects 2016)	88
Figure 7.4 Pod design (Marvel Architects 2016)	
Figure 7.5 Construction of interior as a continuation of context (Marvel Architects 2016)	88
Figure 7.6 Interior workshop space (Marvel Architects 2016)	88
Figure 7.7 Interior public space sheltered by roof. (Frearson 2014, Available at http://www.dezeen.com/2014/05/19/arena-do-morro-herzog-de-meuron-brazil/ Accessed 2 September 2016)	91
Figure 7.8 Structure as part of context (Frearson 2014. Available at http://www.dezeen.com/2014/05/19/arena-do-morro-herzog-de-meuron-brazil/ Accessed 2 September 2016)	91
Figure 7.9 Edge condition (Frearson 2014. Available at http://www.dezeen.com/2014/05/19/arena-do-morro-herzog-de-meuron-brazil/ Accessed 2 September 2016)	91
Figure 7.10 Interior space of Arena do Moro (Frearson 2014. Available at http://www.dezeen.com/2014/05/19/arena-do-morro-herzog-de-meuron-brazil/ Accessed 2 September 2016)	91
Figure 7.11 Diagram of Clientele (Author)	93
Figure 7.12 Diagram of client base (Author)	95
Figure 7.13 Programmatic diagram (Author)	97
Figure 7.14 Redefining retail space (Author)	99
Figure 7.15 Conceptual diagram (Author)	101
Figure 7.16 Conceptual intentions (Author)	103
Figure 7.17 The conceptual floor plan (Author)	105
Figure 7.18 Spatial exploration A (Author)	106
Figure 7.19 Spatial exploration B (Author)	106
Figure 7.20 Spatial exploration C (Author)	106
Figure 7.21 Site exploration A (Author)	107
Figure 7.22 Site exploration B (Author)	107
Figure 7.23 Conceptual sketch of iteration 1 (Author)	108
Figure 7.24 Spatial sketch of iteration 1 (Author)	108
Figure 7.25 Floor plan of iteration 1 (Author)	108
Figure 7.26 Section drawing of iteration 1 (Author)	108
Figure 7.27 Floor plan exploration of iteration 1 (Author)	109
Figure 7.28 Model exploration of iteration 1 (Author)	109
Figure 7.29 Conceptual sketch 1 of iteration 2 (Author)	110
Figure 7.30 Conceptual sketch 2 of iteration 2 (Author)	110
Figure 7.31 Section A-A of iteration 2 (Author)	110
Figure 7.32 Section B-B of iteration 2 (Author)	110
Figure 7.33 Floor plan exploration 1 of iteration 2 (Author)	111
Figure 7.34 Floor plan exploration 2 of iteration 2 (Author)	111
Figure 7.35 Roof development of iteration 3 (Author)	112
Figure 7.36 Model exploration of iteration 3 (Author)	112
Figure 7.37 Shop exploration of iteration 3 (Author)	112
Figure 7.38 Site plan development iteration 3 (Author)	112
Figure 7.39 Section development iteration 3 (Author)	112
Figure 7.40 Floor plan development iteration 3 (Author)	113
Figure 7.41 Axonometric view of proposed building (Author)	115
Figure 7.42 Site Plan NTS (Author)	116
Figure 7.43 Ground Floor plan (Author)	117



10

Figure 7.44 The semi controlled space (Author)	118
Figure 7.45 The social core (Author)	118
Figure 7.46 The semi-informal space (Author)	119
Figure 7.47 Circulation (Author)	119
Figure 7.48 [de] BOX (Author)	121
Figure 7.49 Roof formation (Author)	123
Figure 7.50 Retail space formation (Author)	123
Figure 7.51 Retail space resolution (Author)	123
Figure 7.52 Interior perspective showing retail space and circulation (Author)	125
CHAPTER 08	
Figure 8.1 The tectonic concept A (Author)	127
Figure 8.2 The tectonic approach (Author)	129
Figure 8.3 Open air space sheltered by roof. (Brake 2015, Available at http://www.dezeen.com/2015/08/28/josey-pavilion-lake-flato-visitors-centre-education-decatur-texas/ Accessed 9 October 2016)	130
Figure 8.4 Relationship between inside and outside (Brake 2015, Available at http://www.dezeen.com/2015/08/28/josey-pavilion-lake-flato-visitors-centre-education-decatur-texas/ Accessed 9 October 2016)	130
Figure 8.5 Gutter and rain chain detailing (Brake 2015, Available at http://www.dezeen.com/2015/08/28/josey-pavilion-lake-flato-visitors-centre-education-decatur-texas/ Accessed 9 October 2016)	130
Figure 8.6 Sheltered public space, Akadamie Mont Cenis Herne (HSS 2015)	131
Figure 8.7 Materiality of Akadamie Mont Cenis Herne (HSS 2015)	131
Figure 8.8 Column detailing (HSS 2015)	131
Figure 8.9 The structural elements of the roof (Author)	133
Figure 8.10 Material applications of roof structure and canopy (Author)	135
Figure 8.11 Material applications of ground plane (Author)	137
Figure 8.12 Strutural intention of retail spaces (Author)	139
Figure 8.13 Material application of retail pods (Author)	139
Figure 8.14 Example of water planted filtering system (Oregon State 2010)	140
Figure 8.15 Water catchment calculations (Author)	141
Figure 8.16 Environmental strategies (Author)	143
Figure 8.17 Summary of SBAT analysis of project	143
Figure 8.18 Section exploration A (Author)	144
Figure 8.19 Section exploration B (Author)	144
Figure 8.20 Section exploration C (Author)	144
Figure 8.21 Detail section development (Author)	145
Figure 8.22 Roof structural exploration (Author)	146
Figure 8.23 Rain chain and water catchment detail exploration (Author)	147
Figure 8.24 Column and gutter detail exploration (Author)	147
Figure 8.25 Tectonic exploration of "social core" (Author)	147
Figure 8.26 Sketches of tectonic exploration A (Author)	149
Figure 8.27 Sketches of tectonic exploration B (Author)	149
Figure 8.28 Gutter detail exploration (Author)	150
Figure 8.29 Roof and retail space construction exploration (Author)	151



CHAPTER 09

Figure 9.1 Interior Perspective	155
Figure 9.2 South Eastern Perspective	157
Figure 9.3 Interior Perspective	158
Figure 9.4 North Eastern Perspective	159
Figure 9.5 Section A-A	161
Figure 9.6 Section B-B	163
Figure 9.7 Redefining Retail	164
Figure 9.8 Detail A	165
Figure 9.9 Detailing	166
Figure 9.10 Detailing	167
Figure 9.11 Final Model	168
Figure 9.12 Final Model	169
Figure 9.13 Final Presentation	170
Figure 9.14 Final Presentation	171

11 BIBLIOGRAPHY

- Amendola, G, 2006. Urban Mindscapes Reflected in Shop Windows, *Urban Mindscapes of Europe (European Studies)* ed. Weiss-Sussex, G. New York, Bianchini, F, Rodopi B.V, 81-96.
- Brake 2015, Josey Open air pavilion (online) Available at <http://www.dezeen.com/2015/08/28/josey-pavilion-lake-flato-visitors-centre-education-decatur-texas/> (Accessed 9 October 2016)
- Beyard, M.D., Corrigan, M.B., Kramer, A, Bach, A, 2006. *Ten Principles for Rethinking the Mall*. Washington: The Urban Land Institute.
- Chaplin, S, 1998. Consuming Architecture. *Architectural Design: Consuming Architecture*, 68, 7-9
- Carusso, R, 2015. The conventional wisdom wrote off the shopping mall long ago, but while no one was looking, the reinvented mall succeeded in attracting new urban and ethnic clientele. (online) Available at http://www.thedailybeast.com/articles/2015/06/07/malls-arent-dying-they-re-thriving.html?source=socialflow&via=twitter_page&account=thedailybeast&medium=twitter (Accessed 23 February 2016).
- Coleman, P, 2007. *Shopping Environments: Evolution, Planning and Design*. Oxford, Elsevier Architectural Press.
- Debord, G, 1967. *Society of the Spectacle*. New York, Zone Books.
- Dezeen Magazine 2016, Marco Sea turns Abandoned warehouse in Brooklyn into New Lab co-working space. (online) Available at <http://www.dezeen.com/2016/09/27/marco-sea-new-lab-co-working-space-tech-entreprenuers-warehouse-brooklyn-navy-yard/> (Accessed 27 September 2016)
- Excelite 2016. Polycarbonate Flat Sheeting Brochure. [Online], Available: <http://www.exceliteplas.com/procategory/solid-polycarbonate-sheet/> [Accessed 10 October 21].
- Forestry and Sawmilling Directory 2015. South African Wood Preservers Association. [Online], Available: <http://www.woodsa.co.za/FSd/Listings/PDF/Treatment.pdf> [Accessed 8 October 2016].
- Global Roofing 2016. KlipLok 700 Brochure. [Online], Available: <http://www.globalroofs.co.za/our-products/> [Accessed 23 September 2016].
- Goss, J, 1991. *The Magic of the Mall: An Analysis of Form, Function, and Meaning of the Contemporary Retail Built Environment*. Phd Thesis, University of Hawaii.
- Gruen, V, (1960), *Shopping Towns USA: The Planning of Shopping Centres*. New York, Reinhold Publishing Corporation.
- Gruen, V, 1964. *The Heart of Our Cities The Urban Crisis: Diagnosis and Cure*. New York, Simon and Schuster.
- Gurcel, C, 2003. *Integration of Shopping Malls with Pedestrian Environments: An Analysis of Akkopru Migros and Karum Shopping Malls*. Master Thesis. Bilkent University
- Herman, D, 2001, *High Architecture*, Harvard Design Scgool Guide to Shopping, Director Koolhaas, R. Koln, Taschen Gmbh.
- HHS 2001, Akadamie Mont Cenis Herne (Online) Available at http://www.hhs.ag/img/projekte/179-HEFO/179_Akademie_Mont-Cenis___HHS_Planer_und_Architekten_AG.pdf / (Accessed 2 July 2016)
- Isotherm 2016. Isotherm Thermal Insulation Product Specification. [Online], Available: <http://www.isootherm.co.za/isootherm/product-specifications/> [Accessed 7 October 2016].
- Jacobs, J, 1961. *The death and life of Great American Cities*. New York, Vintage, Publishing.
- Jacobs, J, 1969. *The Economy of Cities*. New York, Random House.

- Karrholm, M, 2012. Retailising Space: Architecture, Retail and the Territorialisation of Public Space. 1st ed. Surrey: Ashgate Publishing.
- Kocaili, E, 2010. The Evolution of Shopping Malls: Recent Trends and the Question of Regeneration. Master Dissertation. Canakaya University.
- Koolhaas, R. et al, 2001. Mutations. 1st ed. Bordeaux: ACTAR
- Koolhaas, R. et al, 2001. Harvard Design School to Shopping. Koln Taschen GmbH.
- Kowinski, W, 1985. The Mall of America: An Inside Look at the Great Consumer Paradise. William New York: Morrow and Company.
- Kritzinger, S, 1987. Rustig Vloei Die Moreleta: Die Geskiedenis van Silverton, Meyerspark en Murrayfield. 1st ed. Johannesburg: Development Bank of Southern Africa.
- Lafarge 2016. Lafarge Drywall Partition Brochure. [Online], Available: http://www.lafarge.co.za/LAF_514917_Partition_Brochure_F.pdf [Accessed 10 October 2016].
- Lancaster, B, 1995. The Department Store: A Social History. London, Leicester University Press.
- Leong, S.T., (2001). And Then There Was Shopping, Harvard Design School Guide to Shopping, Director Koolhaas, R., Köln, Taschen GmbH, 128-155.
- Marvel Architects 2016, The New Lab, Brooklyn Navy Yard. (online) Available at <http://marvelarchitects.com/project/brooklyn-navy-yard-new-lab/> (Accessed 26 September 2016)
- McMorrough, J, 2001. Postmall Urbanism, Harvard Design School Guide to Shopping, Director, Koolhaas, R. Koln, Taschen GmbH.
- Messedat, J, 2015. Retail Architecture S-XXL. 1st ed. Stuttgart: Avedition.
- Modek 2016. Translucent Polycarbonate Roof Sheeting. [Online], Available: <http://www.modek.co.za/Polycarbonate-roof-sheeting.html> [Accessed 23 September 2016]
- Montgomery, C, 2013. Happy City, Transforming our lives through urban design. 1st ed. London: Penguin.
- Mosaka, A, 2016. South Africa has 1785 Shopping Malls. Is this sustainable? Radio Program, Talk 702, Johannesburg, 19 April.
- Oregon State University 2010. Stormwater Planters. [Online], Available: http://extension.oregonstate.edu/stormwater/sites/default/files/Planters_0.pdf [Accessed 11 October 2016].
- Picchi, F. 2010. Interview with Diebedo Francis Kere. [Online], Available: <http://domusweb.it/en/architecture/2010/11/08/interview-withdiebedo-francis-kere.html> [Accessed 21 September 2016].
- Plotzl, A, 2011. Shopping Mall in a State of Change. Pulse: Movements in Architecture, 01 : 2011, 3-41.
- Prinsloo, D, 2013. Benchmarking the South African Shopping Centre Industry. Johannesburg, Urban Studies.
- Pullscar Timber 2016. Pressure Treated Gum Poles. [Online], Available: <http://www.pullscar.co.za/Poles.aspx> [Accessed 7 August 2016].
- Redstone, G, 1973. New Dimensions in Shopping Centres and Stores. 1st ed. New York: McGraw-Hill.
- Relph, E, 1987. The modern urban landscape. Baltimore, Johns Hopkins University Press.
- Sabherwal, V, 2013. Contemporary Retail Architecture. Architecture + Design, 30, 12, 22-23.
- Salvadori, R, 1990. Architects Guide to Paris. London. Butterworth Architecture.

Scanlon, E, 2011. *Big Box, No More Quick Fixes: A Historical Account of Consumption, Retail and Discount Shopping Typologies*. Master Dissertation. City College of New York.

Smiley, D (ed) 2002. *Sprawl and Public Space: Redressing the Mall*. 1st Ed. New York: Princeton Architectural Press.

Simmel, G, 1908, *The Metropolis and Mental Life*. Chicago, University of Chicago Press.

Stepables 2016. *Acorus Gramineus Aurerea Miniature Golden Sweet Flag*. [Online], Available: https://www.stepables.com/5/Acorus_gramineus_Aurea_Miniature_Golden_Sweet_Flag.html [Accessed 10 October 2016].

Shirley, B, 2013. *South Africa – a Mall Society*. Available from <http://thediaonline.co.za/2013/03/south-africa-a-mall-society/> (Accessed 25 May 2016).

Timberlife 2016. *Timberlife Flambor Product Data Sheet*. [Online], Available: <http://www.timberlife.co.za/products-2/flambor/> [Accessed 7 October 2016].

Trufelman, A, 2015. *The Gruen Effect*. Radio Program, 99% Invisible. Radio Program, University of Wyoming. 15 May.