



Portfolio:
Ryan Sutherland

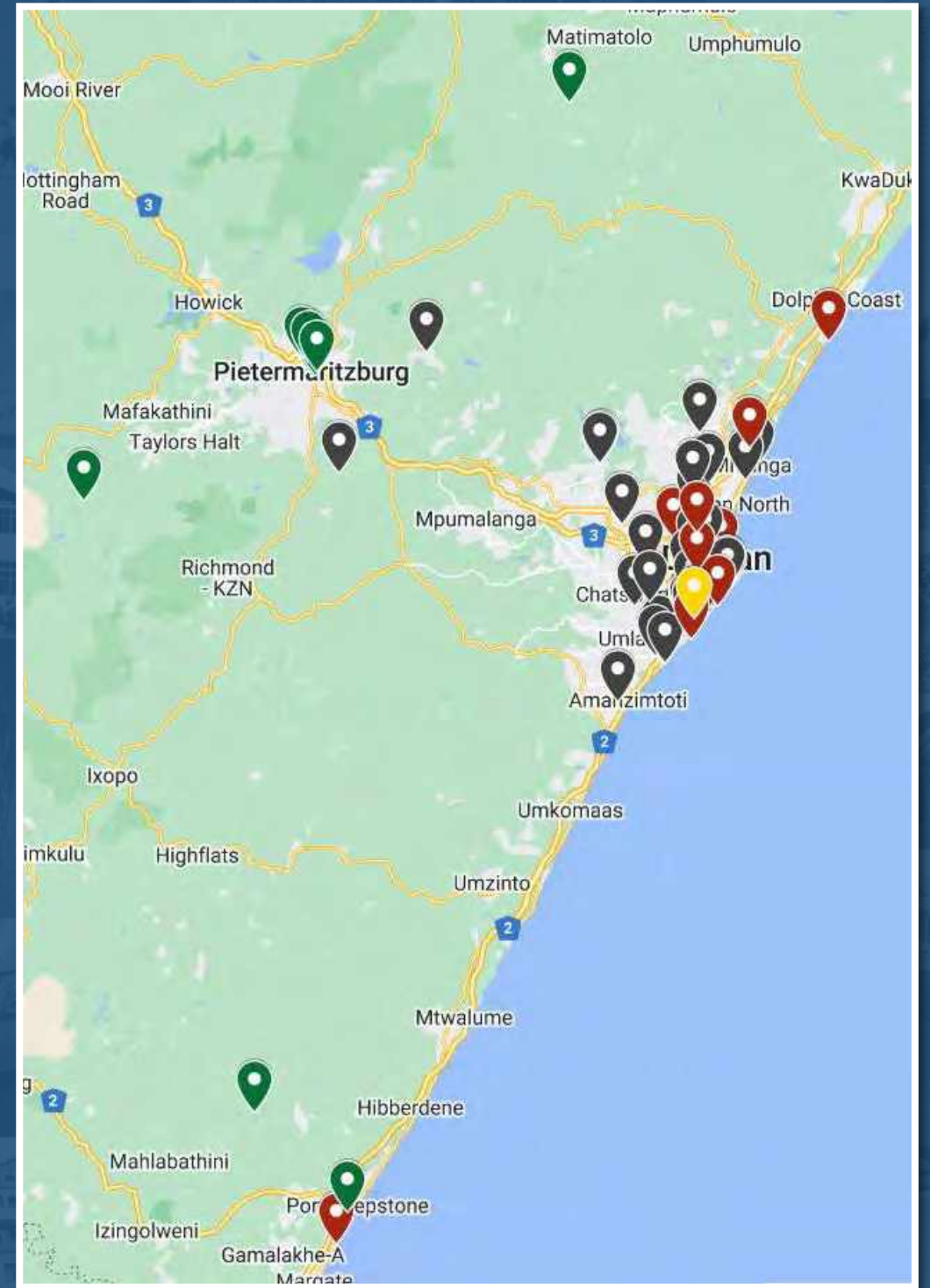
Who am i....

I, Ryan Sutherland, the eldest of three children, raised in a modest loving home, am an architect and aspiring construction project manager. Having grown up exposed to a comfortable quality of life in a home centered on qualitative values, my introduction and relationship to architecture has always been one of an unpretentious nature.

Fascinated by the built environment from an early age, the ability of beautiful architecture to promote social and spiritual upliftment captured me. The coloured community in which I was raised is rich in culture and the social interaction is largely shaped by its disadvantaged architectural norms. This has been the foundation to my architectural experience. Visiting family abroad in cosmopolitan cities fed my passionate architectural interests.

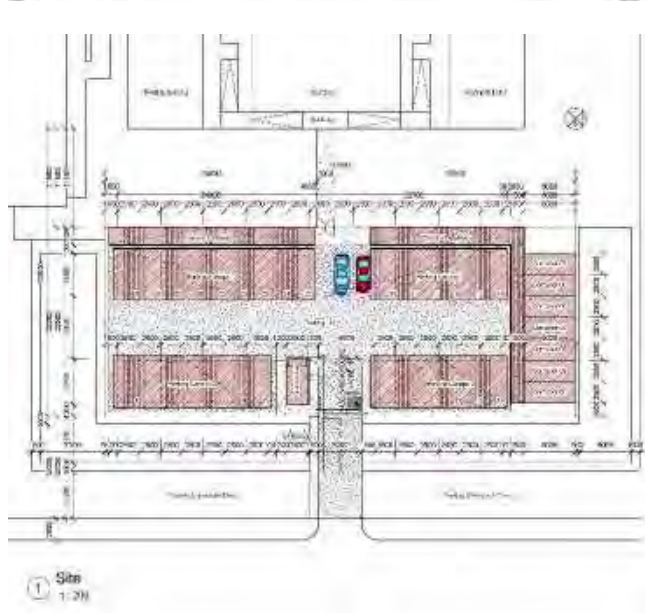
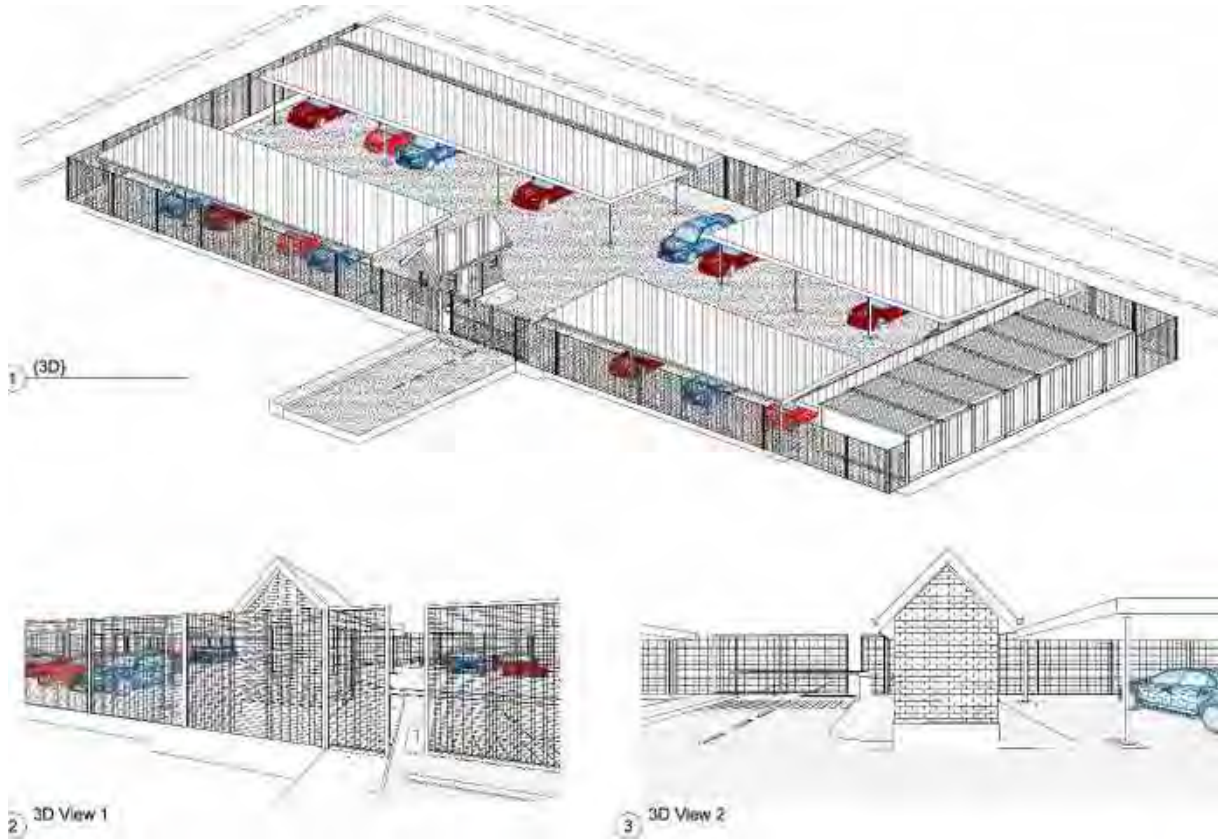
My mission is to make good design and architecture accessible to all. Pursuing architecture that is free from the dramatics of elitist culture yet contested on merit. Truth to materials and spatial quality are important entities in discovering my architectural identity. The works of William McDonough, Glen Murcutt, and Peter Rich, amongst others inspire and nourish this appetite.

Their use of materials, form making and spatial concepts evoke emotion, encouraging responsible and sustainable architecture.



Recent Projects: Public Sector:

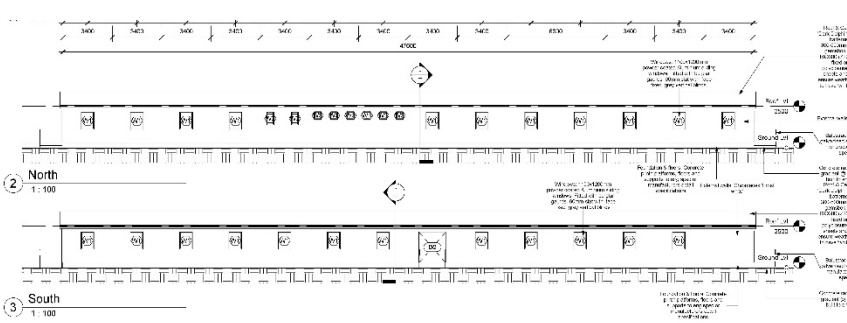
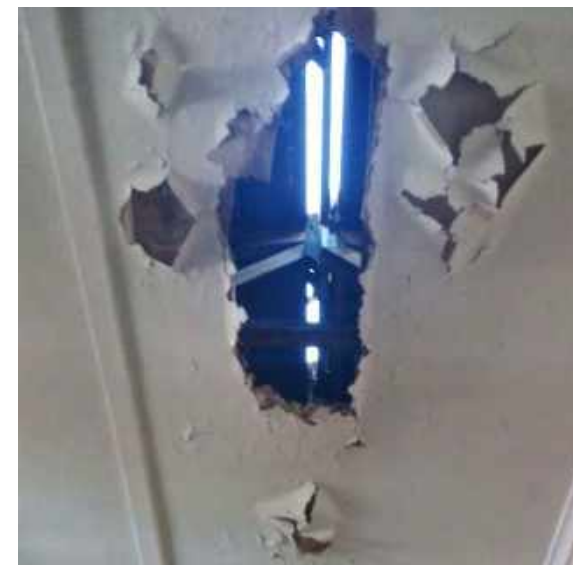
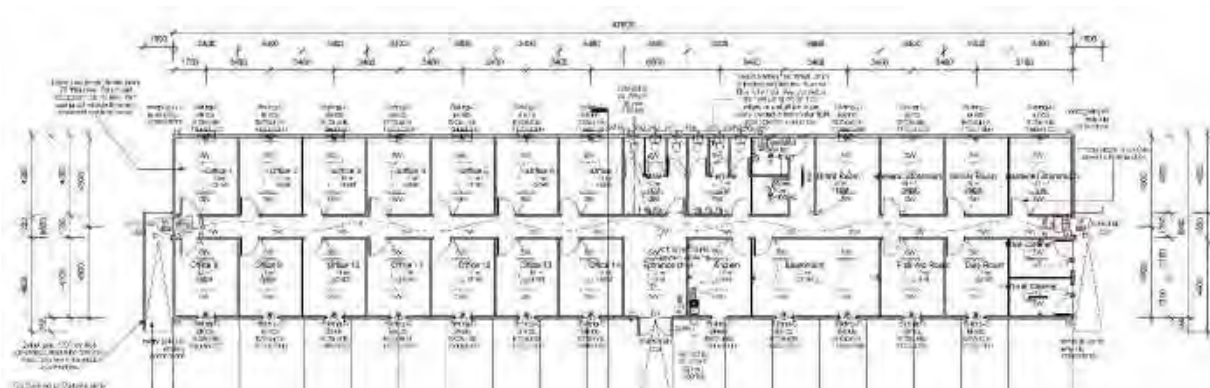
KZN Department of Public Works: Southern Regional Offices, Pietermaritzburg:



1) KZN Department of health (Ex Old Boys Model School):



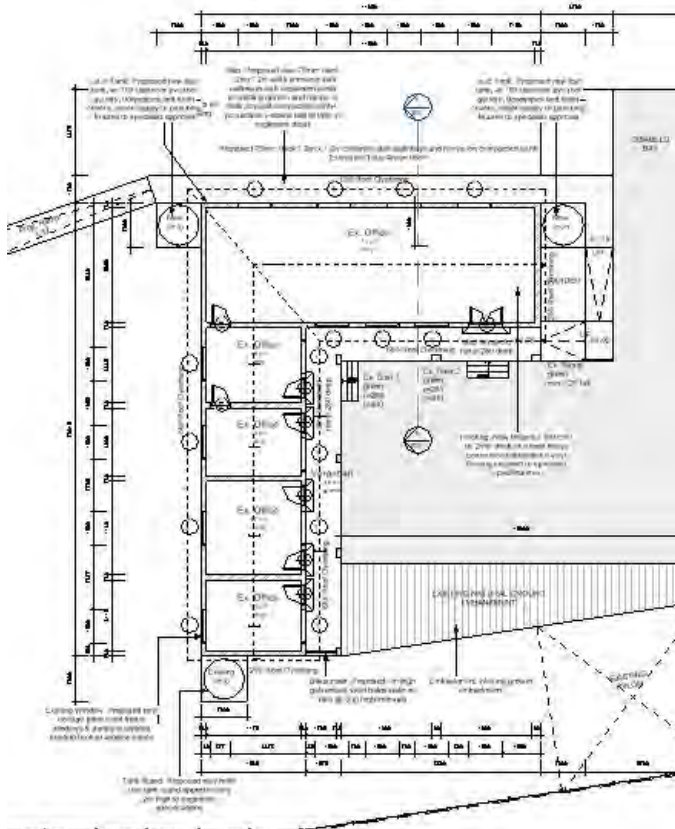
- Proposed new parking lot infrastructure, temporary storage and refurbishments to existing category 2 provincial heritage building.
- X1 site (x3 interconnected building structures)
- Stages 1-6, project architect, principal agent and site agent for the NEC3 roof repair component.



2) KZN Department of Transport- (Road Traffic Inspectorate Portfolio):



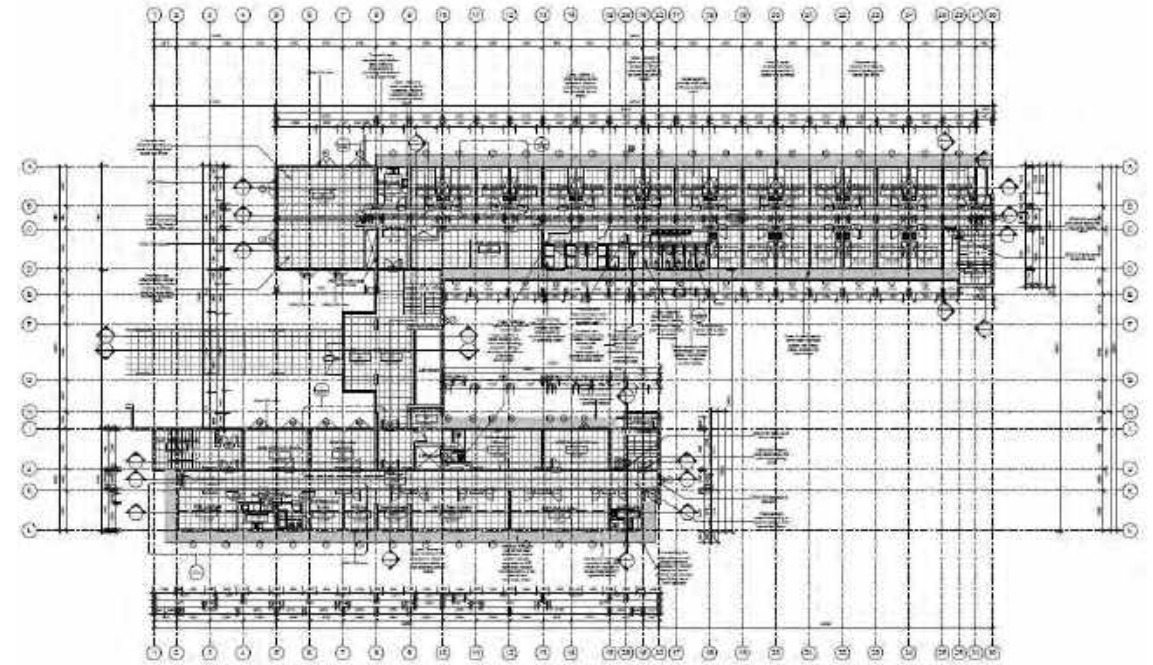
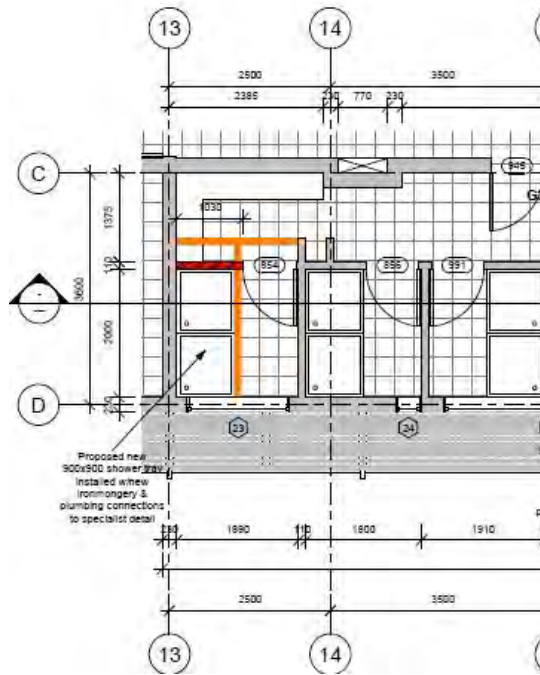
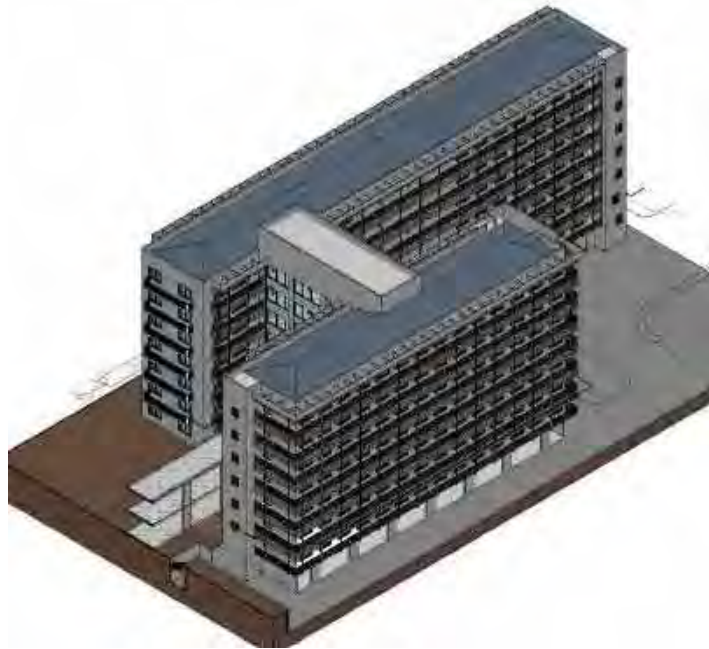
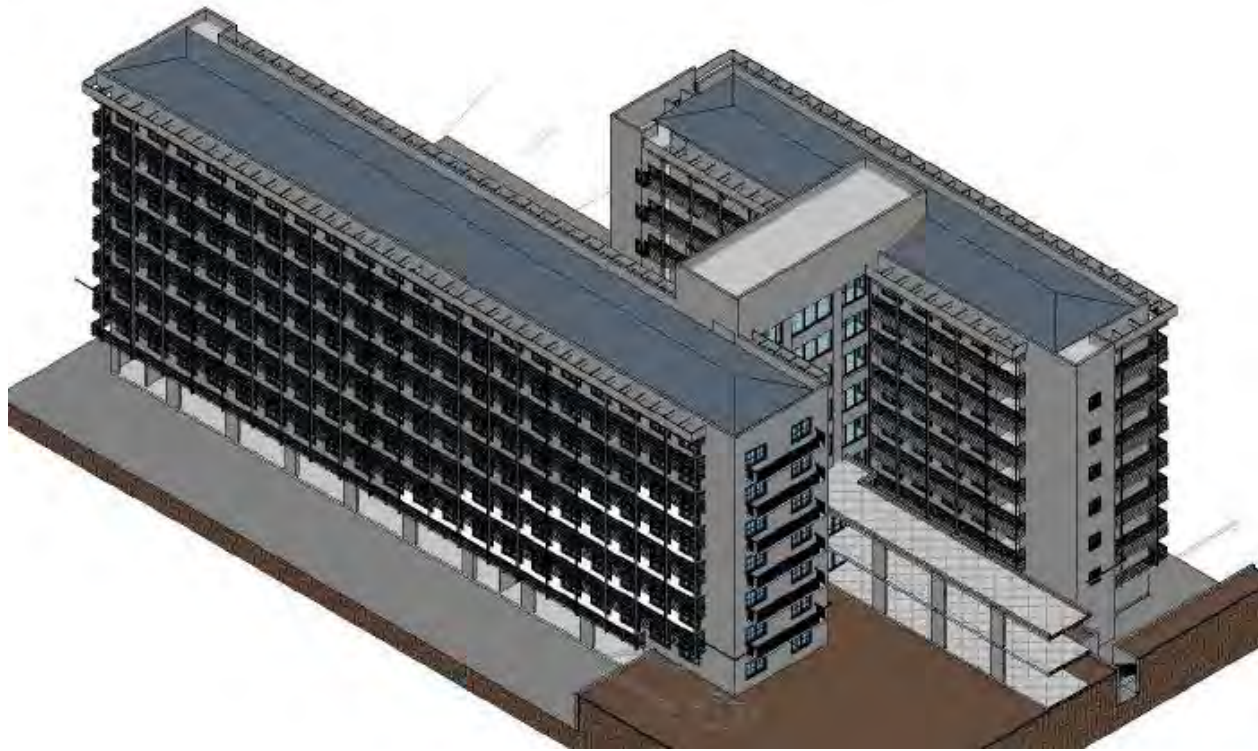
- Temporary training college and administrative infrastructure portfolio.
- X4 sites (x5 building structures)
- Stages 1-6, project architect and principal agent administering the GCC contract.



3) KZN Department of Cooperative Governance and Traditional Affairs- (Traditional Administration Courts Portfolio):



- Additions and alterations to existing traditional administration courts and related rural public administration infrastructures.
- x5 sites (x15 structures combined)
- Stages 1-6, project architect and principal agent administering the GCC contract.



4) KZN Department of Health- (Greys Hospital Nurses & Doctors Accomodation):



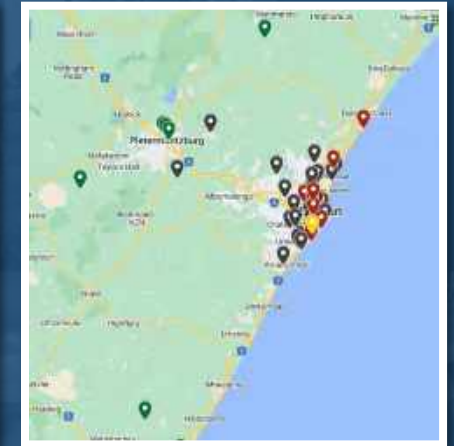
- Nurses and doctors accommodation upgrades and refurbishments.
- x1 site (x2 interconnected building structures, x7 storeys)
- Stages 1-4, project architect and client representative on stages 5-6 in collaboration with private consultants.



4) KZN Department of Health- (Greys Hospital Nurses & Doctors Accomodation):

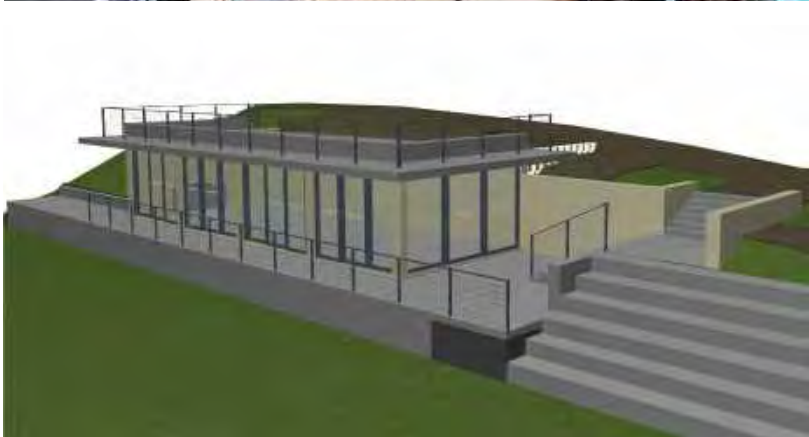


- Nurses and doctors accommodation upgrades and refurbishments.
- x1 site (x2 interconnected building structures)
- Stages 1-4, project architect and client representative on stages 5-6 in collaboration with private consultants.



Recent Projects: Private Sector:

Paton Taylor, Architekton Studio, Remorphed Architecture & Design, TJ Architects



5) Penzance Primary School (Spectator Pavillion): Remorphed Architecture & Design (Durban):



- Proposed new sports field spectator pavilion structure and adjacent landscaping.
- x1 site (x1 building structure)
- Stages 1-6, Project architect and principal agent administering the JBCC Minor Works Contract.




6) KZN Department of Health (King George V Hospital: COVID-19 Quarantine Ward): TJ Architects (Durban)



- Proposed conversion and additions to existing King George hospital maintenance hub to Covid-19 pandemic quarantine ward.
- x1 site (x5 interconnected building structures)
- Stages 5-6, project architect and principal agent in training administering the NEC3 contract.



7) Church of the Latter Day Saints (Mormon Temple & Mission Housing): Paton Taylor Architects (Durban) 

- Proposed new Mormon temple, mission housing and ancillary structures in Durban, produced using Revit in collaboration with the LDS church team of architects based in the USA.
- x1 site (x3 building structures)
- Architectural Revit technologist & BIM modeler.



7) Architekton Studio (Multiple Minor Works Residential Projects): Architekton Studio (Durban)

- Various partial and complete architectural services provided from design to close-out, some of which construction management services were carried out in addition to standard architectural services.
- x1 projects completed.
- Ranging from stages 1-6, project architect and construction project manager.



TBWA (Durban, SA)
Commercial Offices



Eshowe Mall (Eshowe, SA)
Retail Stores



Cashbuild (Eshowe, SA)
Retail Stores



Aqua Sky Towers (Durban, SA)
Commercial Offices



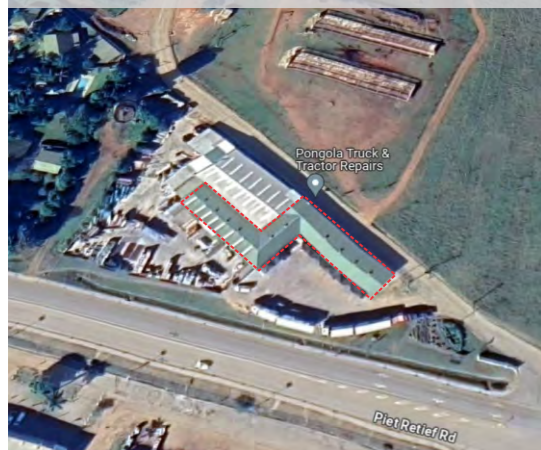
Edstan Guardhouse 2 & Tren Tyre (Durban, SA)
Industrial Warehousing & Retail



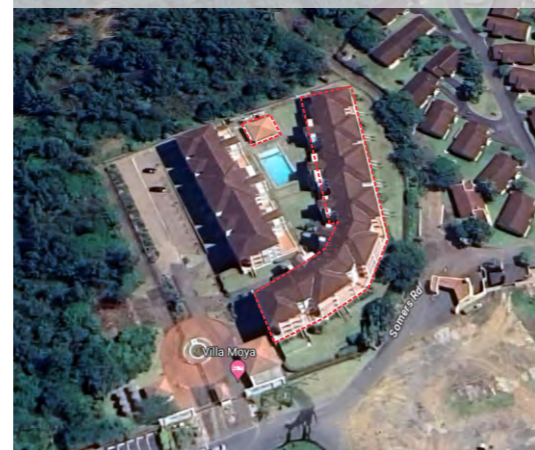
Edstan Guardhouse 1 & Electro Mechanical (Durban, SA)
Industrial Warehousing & Commercial Offices



Build it (Pongola, SA)
Retail Stores



Villa Moya (Margate, SA)
Holiday Apartments & Conference Centre



Zultrans (Durban, SA)
Industrial Warehousing & Commercial Offices



MCA ARCHITECTS

Durban, South Africa

Commercial & Industrial Projects (Revit & AutoCAD)

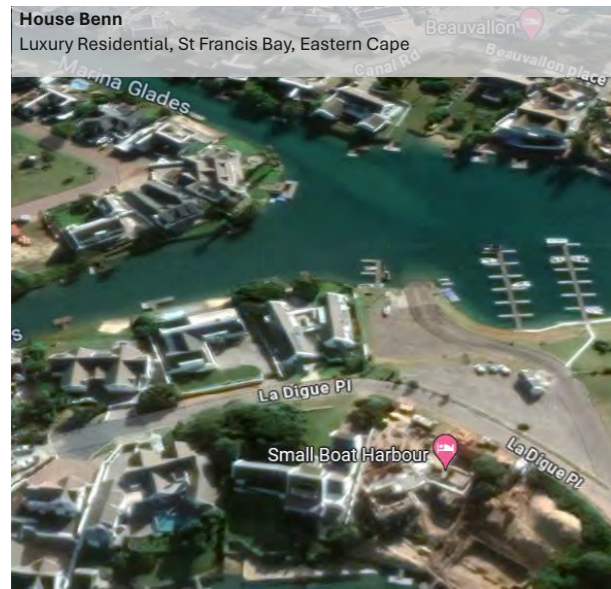


- Created technical construction, design, and marketing documentation for prominent commercial property developers in KZN.
- Thrived in high-pressure, finance-driven business environment, contributing to the successful construction of numerous large scale projects within the Riverhorse Valley industrial and warehousing hub development.
- Pioneered the introduction of Revit software and oversaw the transition from AutoCAD within the office.
- Conducted site inspections and compiled snag lists under the guidance of the principal project architect to ensure stringent quality standards.

MCA ARCHITECTS

Durban, South Africa

Commercial & Industrial Projects (Revit & AutoCAD)



- Produced technical construction, design, and marketing documentation for upscale residential clients on the KZN North Coast.
- Contributed to multiple projects and firm accolades, earning design excellence recognition from the architect's board. Achieved coverage in various online and print publications, including home and decor magazines.
- Conducted site inspections and compiled snag lists to ensure quality standards.
- Offered timely technical design solutions during ongoing construction, aligning with the project's intended design character.
- Engaged in competitive luxury design projects and client presentations under the guidance of internationally recognized senior architects.



JOY BRASLER ARCHITECT & ASSOCIATES

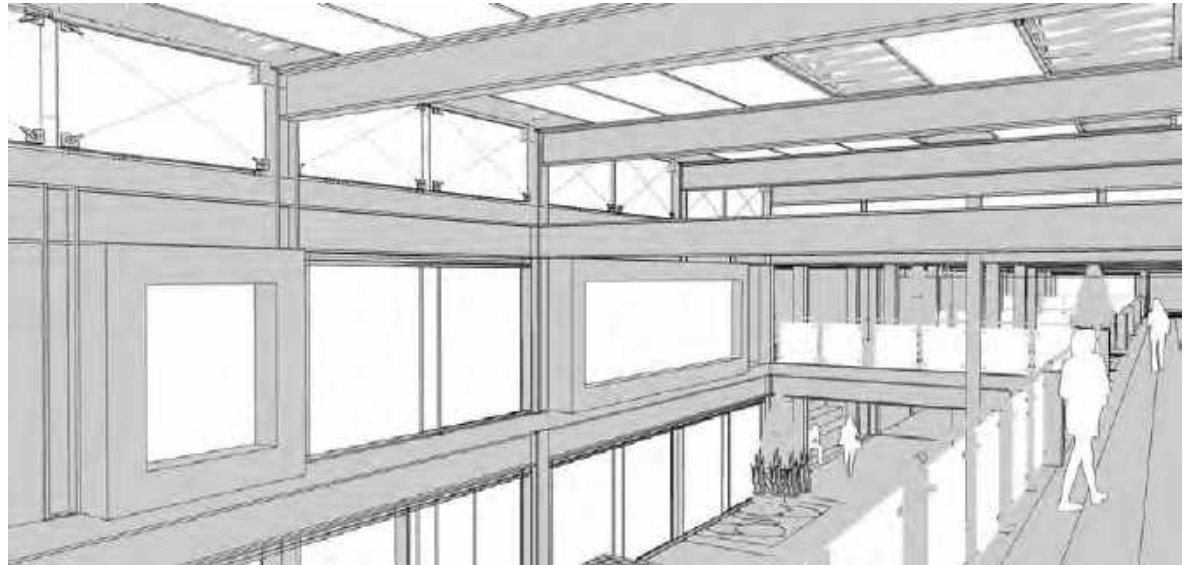
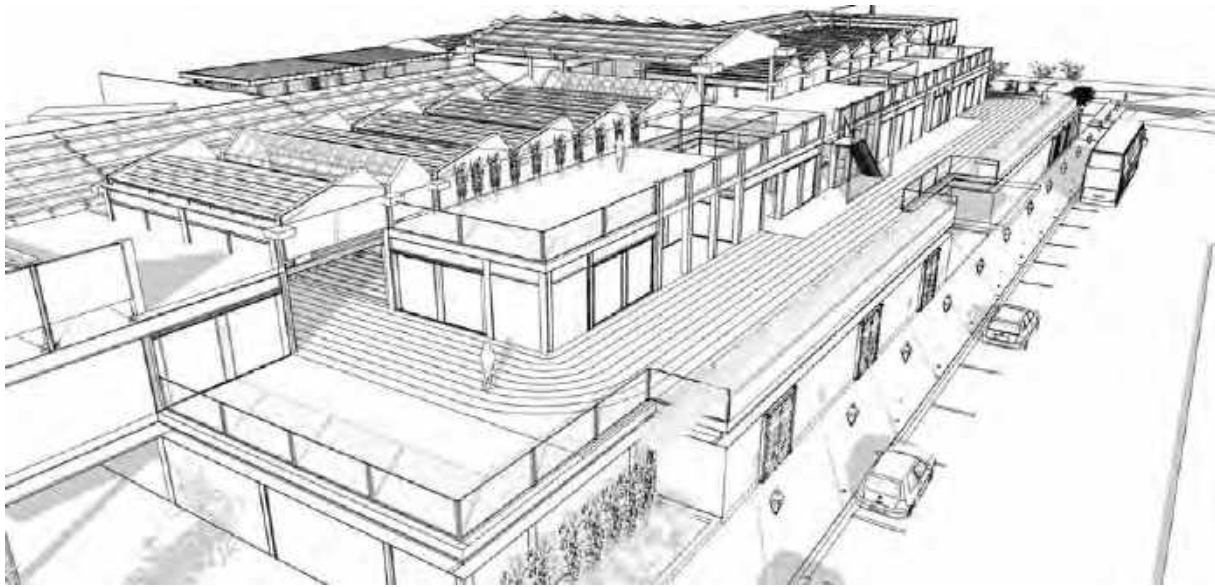
Durban, South Africa

Luxury Residential Projects (ArchiCAD & AutoCAD)



Youth Centre for Wentworth, Durban (Masters Research & Design Project):

The role of architecture in providing physical & social wellbeing for the youth:
A proposed youth centre in Wentworth, Durban.



BACKGROUND CHALLENGES & OPPORTUNITIES:

The importance of recreation facilities in promoting physical and social wellbeing is gaining continued recognition in modern society (Amusa, 2012). Collective and individual development of youth participating in sporting and educational recreation activities has become a catalyst in disadvantaged community improvement.

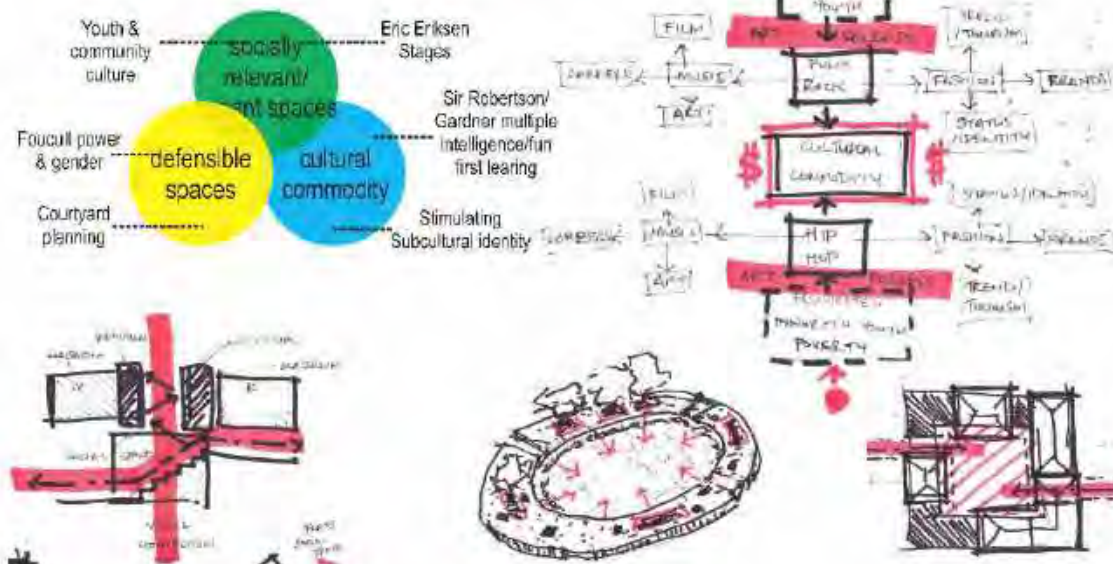
Architecture of recreation facilities acts as a bonding agent between the youth and the environment. The growing trends in environmentally responsive design offers mental, physical and social rehabilitative possibilities for inhabitants participating in various recreational activities. In the case of South African townships such as Wentworth, these ideas could mobilize youth campaigns against substance abuse, gang related crime, pollution and high HIV/AIDS rates.

Originally planned as the industrial hub of Durban, Wentworth is the home of a large business node and a petrochemical refinery that produces approximately sixty percent of South Africa's petroleum (Peek, 2000). The overburdened low-income community is challenged with environmental stress and public health costs issues. Youth centres have proven to offer healthy distractions from daily adversities, and promote a positive lifestyle.

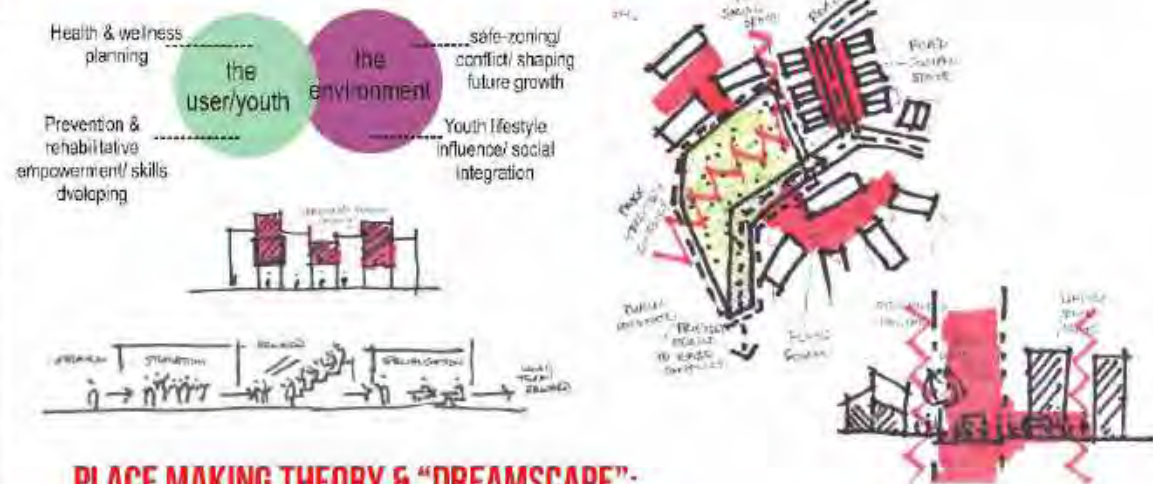
Limited government aided skills development and youth recreational facilities have resulted in current negative socio-economic activities amongst Wentworth youth. The scarcity of recreational spaces and inadequate public school facilities force youth interaction to dangerous township peripheries, exposing them to negative social norms (ENCA, 2016). This research aims to explore the potential that youth spaces have in stimulating a healthy lifestyle that tends to the specific needs and interest of youth in Wentworth.



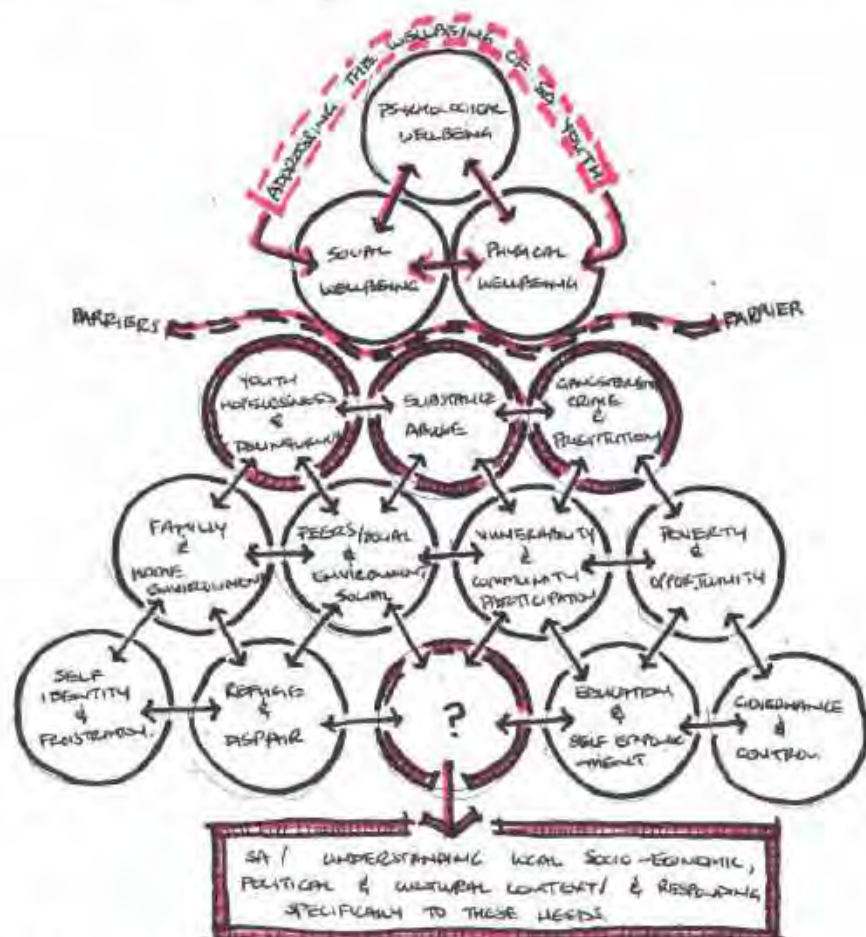
THEORETICAL & CONCEPTUAL FRAMEWORK: CULTURE THEORY & "YOUTH CULTURE":



EMPOWERMENT THEORY & "PRO-ACTIVE DESIGN":

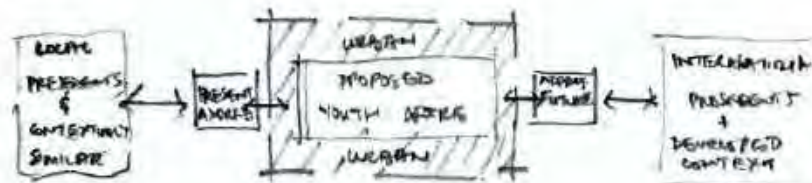


PLACE MAKING THEORY & "DREAMSCAPE":



CASE STUDIES: CASE STUDY EXPLORATION STRATEGY

The youth centres in this study will be analysed firstly by similarity, in social, economic and urban challenges. Secondly to global youth culture and the rapidly developing future urban context. Exploring the relevance of the youth centre in the digital age.



RESPONSE TO THE LOCAL CONTEXT:

Local youth centres such as the Manenberg Youth Safe- Hub (RSA), Chatsworth Youth Centre (RSA) and Alexandra Interpretation Centre (RSA) below are well rooted in the surrounding community culture. Serving much needed basic amenities to the community as a primary aim, and hub for youth culture as secondary. Due to the basic needs of the developing South African context, these buildings set a framework for urban planning, defensible spaces. Addressing the primary needs of the youth-community, practical functionality of spaces and its relation to program of the buildings. These ideas share similar principles to examples in Brazil (Guilherme, 2017). The Espaço Alana Youth Centre (Brazil) expresses the need for impactful architecture that can extend far beyond its perceived capability, servicing a large "favela" community with similar diverse challenges and very limited resources.



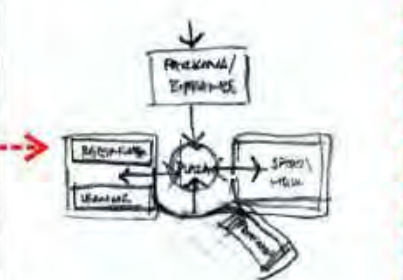
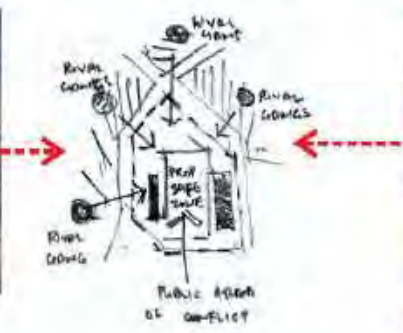
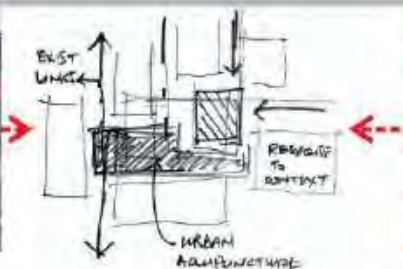
Alexandra Interpretation Centre (RSA) by Peter Rich Architects



Manenberg Youth Safe- Hub (RSA) by Safe- Hub Organisation



Chatsworth Youth Centre (RSA) by Equilibrium Architects



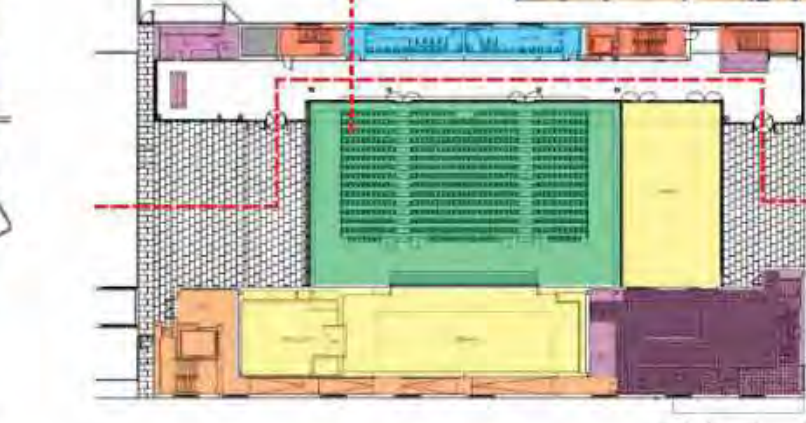
Espacio Alana (BRA) by Rodrigo Ohtake arquitetura e design



Harare Community Project (RSA) by The VPUU Programme.



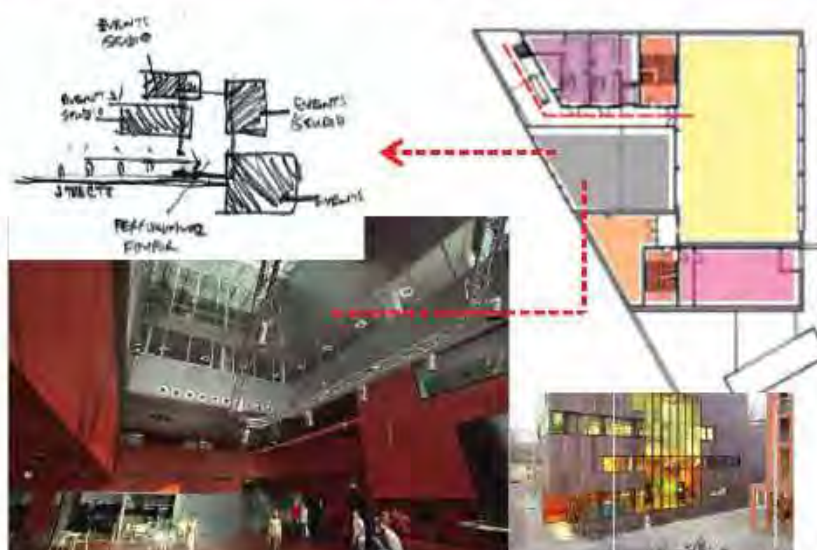
Gary Comer Youth Centre (USA) by John Ronan Architects



THE INTERNATIONAL LANGUAGE OF THE YOUTH CENTRE:

The international interpretation of a youth centre represents spaces that are dynamic reflecting the vibrancy of youth culture. The Gary Comer Youth Centre (USA), responds the western youth culture that Wentworth youth have adopted through international brand affinity. The youth centre works with territorialism, ghetto masculinities and socio-economic pressures that result in negative youth trajectory in South Side Chicago. Extending context specific programs through foreign and local administrative stakeholder support, inform concepts for designing the youth centre (GCYC, 2018). Characteristically designed around a prominent drum majorette and basketball multiuse hall. Rooting the design in the interests of youth in the community. Incorporating music and art studios supported by local colleges to ensure progression of aspiring youth.

Dynamo Youth Centre (NL) by Diederixdinx



SITE DISCUSSION:

SITE SELECTION CRITERIA:

Proximity to Transport Nodes: The sites proximity needs to have close relation to the main urban/ city public transport nodes so that it is publicly accessible.

Diverse Cultural & Contextual Location: The site infrastructural context should be conducive for the design of integrated public space by central location to all cultural nodes within the community.

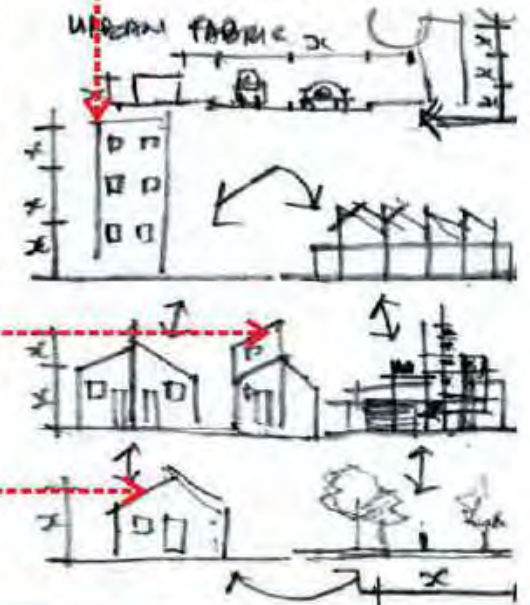
Scale & Viability: The ideal site should be big enough to accommodate a wide variety of youth recreational facilities and potential community responsive economic drivers for viability of the intervention.

Land Use Mix: The site should be in close proximity to zones of different urban density, socio economic classes and relation to existing youth points of collection.

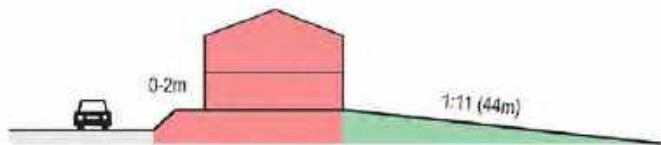
Orientation & Environmental Location: The site location should be conducive to environmentally responsive design possibility for natural lighting, ventilation and environmental quality. To complement the aim of the research and successful use of spaces. Site topography and environmental conditions should be conducive to successful recreational spaces for youth.



Urban fabric of mixed residential typologies/ scale (industrial vs residential)



MICRO SITE ANALYSIS:
PHYSICAL FEATURES:
SLOPE:



ARCHITECTURAL CONTEXT:



SITE PARAMETERS:



DENSITY:



- religious
- educational
- community
- ECONOMIC
- commercial
- allocated parks
- informal recreation
- pedestrian routes
- major transport route
- proposed landscaping
- public transport node
- site boundary
- sun path
- ne breeze

pedestrian friendly landscape and public spaces + self surveillance

pedestrian friendly re-use of degraded buildings & parks spaces

attention to public and private nodes & connection to neighboring buildings

attention existing function & youth- community relationships



Visual Axis & Opportunity for Destination Value on Austerville Drive (Garage)



Existing Prominent Structures Retained- Adaptive re-use.



High Ground Community Beacon & Self surveillance opportunity



Pedestrian connection to prominent soccer grounds community node Lubbe Road/ views

CONCEPTUAL DEVELOPMENT:

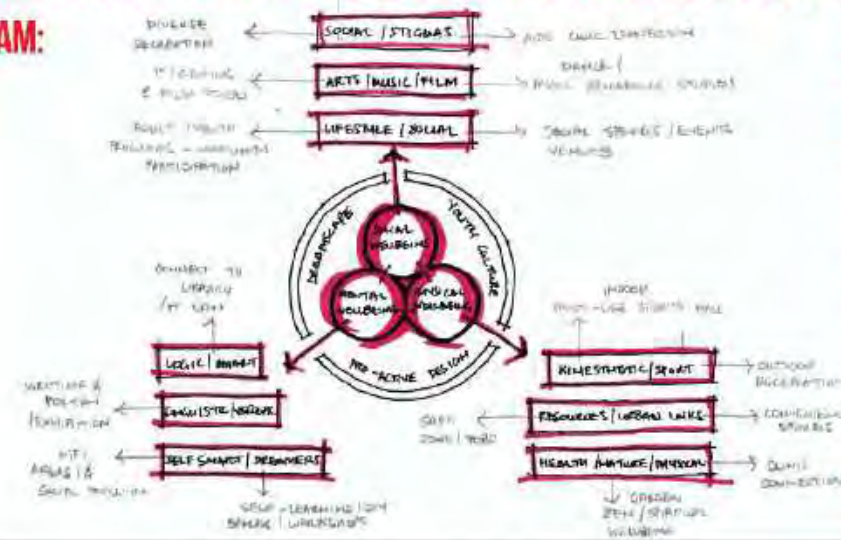
THE "DREAMSCAPE" NARRATIVE

The dreamscape metaphor describes a space that connects youth from all different locations around the world, functioning as an airport of youth culture and opportunity. Depicting a physical and nonphysical presence. This is proven to address physical and nonphysical public spaces challenges in such contexts. Allowing the youth centre to become the drug addressing stagnation, obsolescence, territorial possession, and negative place making. A positive alternative to the present methods of escape such as crime & addiction.

The diverse function, experience and perception of spaces around the youth centre generates an ambitious brand that uplifts the youth cultural identity in Wentworth (Adhikari, 2005). The dreamscape youth centre will be a place where youth can engage in their interests regardless of community and society expectations. Spaces will expose youth to recreational programs that sparks interests to develop self-sufficient skills development, entrepreneurship and career trajectory (Chari, 2008). The spaces prioritise multi-use functionality to facilitate and adapt to the different requirements of the youth events taking place.



DREAMSCAPE PROGRAM:



PRECEDENT: YOUTH CULTURE/ CONTEXT:

- Gary Comer Youth Centre (USA)
- Dynamo Youth Centre (NL)
- Alexandra Interpretation Centre (RSA)
- Chatsworth Youth Centre (RSA)



DE-MATERIALISATION:

- Fondation Cartier, Jean Nouvel (FRA)
- Salvador Dali (ESP)
- Brazilian Contemporary Architecture & Brazilian Modernism Art (BRA)



PRO-ACTIVE DESIGN:

- Japanese Ido Period Courtyards (JAP)
- Manenburg Youth Safe Hub (RSA)
- VPUU Kayelitsha (RSA)



THE DREAMSCAPE AT AN URBAN SCALE:

SUSTAINABILITY & URBAN IDENTITY



SOCIAL CULTURE & PUBLIC SPACE MAKING



VISIBILITY, LEGIBILITY & DESTINATION:



CONTEXTUAL RESPONSES:



URBAN RESPONSES & INTERVENTIONS:



URBAN RESPONSES:



URBAN SCALE & PROPORTIONS:



WALKABILITY-CONNECTIVITY-DENSITY



SOCIAL CONNECTIVITY & SAFE ZONING:



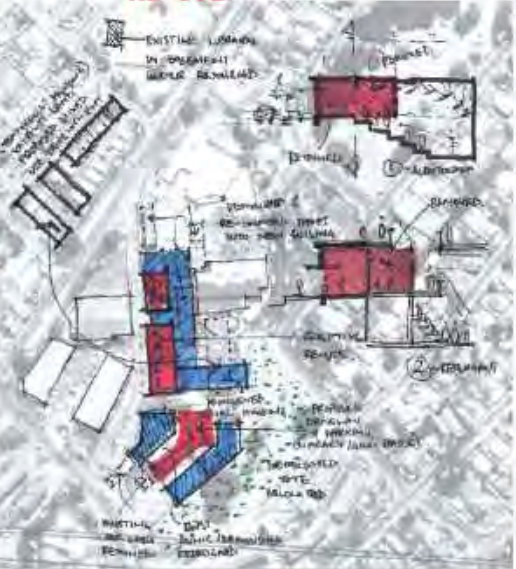
COMMUNITY CULTURE & EMPOWERING



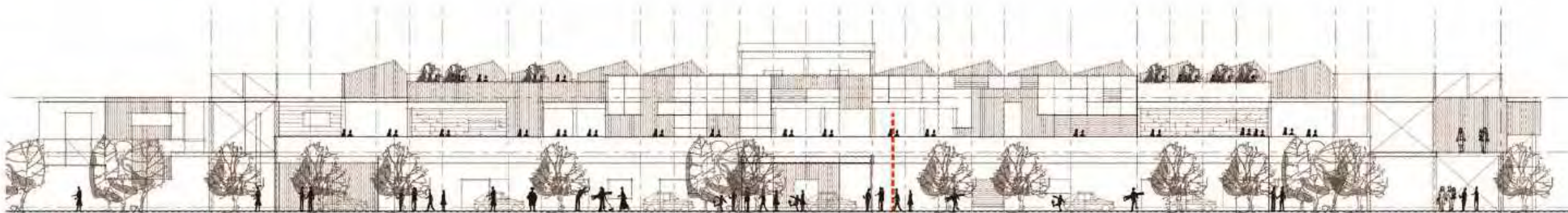
ECONOMIC VIABILITY & MIXED USE



PLACEMAKING & ADAPTIVE RE-USE:



Y

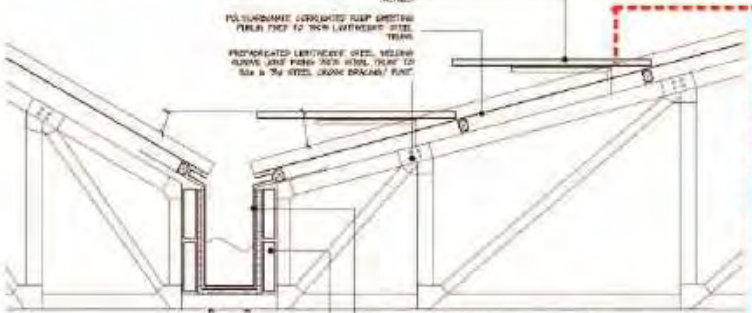


WEST/ STREET AMPHITHEATER

SOUL PANEL FIRED TO STEEL BRACKET
 HOOKED TO STEEL TRUSS TO STRUCTURE
 DETAIL

POLYURETHANE COATED RIB SHEET
 PANEL FIRED TO TRUSS LIGHTWEIGHT STEEL
 TRUSS

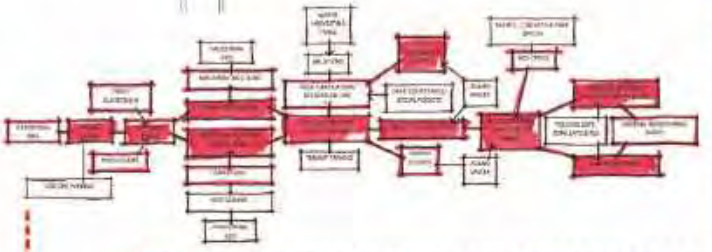
REINFORCED LIGHTWEIGHT STEEL
 BEAMS AND PIERCE INTO STEEL TRUSS TO
 SEA & BY STEEL BRACKET BRACE/ FOOT



UPP BOLTED ALUMINUM BOX JOIST WITH WATER PROOFING
 MEMBRANE TO SPECIALIST DETAILS

LIGHTWEIGHT STEEL TRUSS/ COLUMN FIRED TO TRUSS STEEL
 FROM UPPER & LOWER PLACES FOR THE LIGHTWEIGHT
 STEEL TRUSS SUPPORT

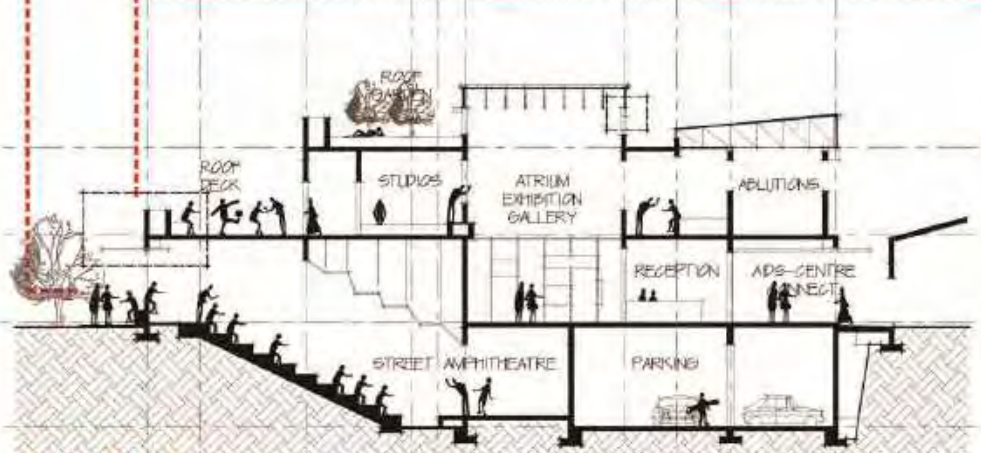
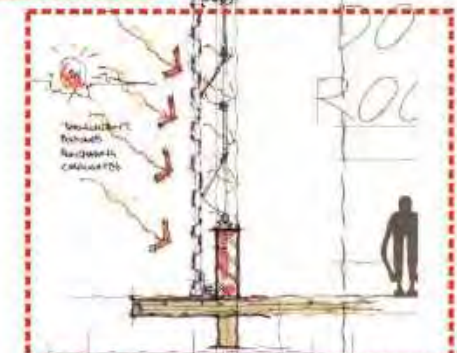
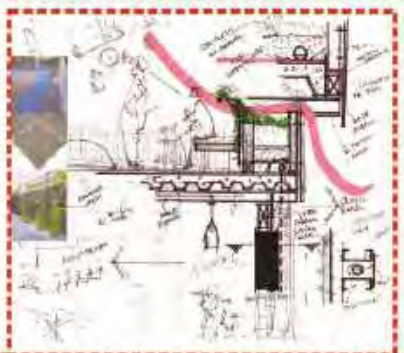
STEEL SUPPORT CHANNELS LIGHTWEIGHT STEEL
 2-SECTION ON STEEL TRUSS/ COLUMN FIRED TO TRUSS STEEL
 TO SUPPORT FROM COLUMN SUPPORTS AT GABLE ENDS



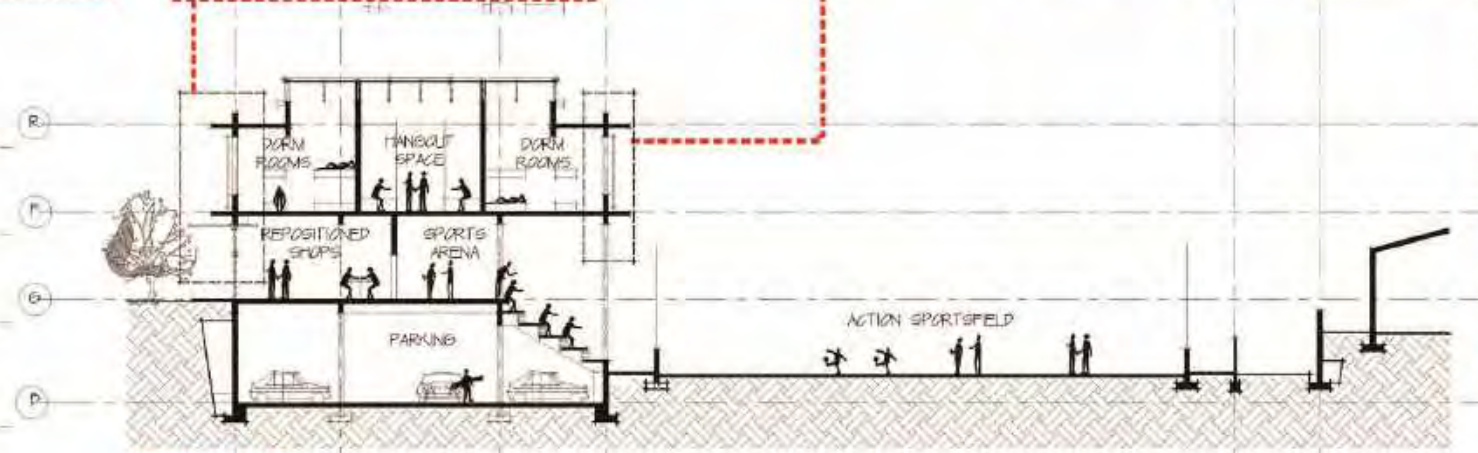
STRUCTURE & SUSTAINABILITY

LANGUAGE & FORM COMPOSITION

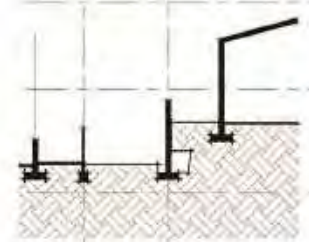
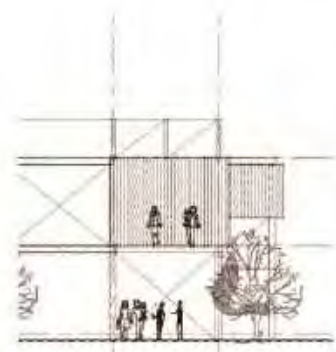
SPECIAL FUNCTION & ENVIRONMENTAL QUALITY



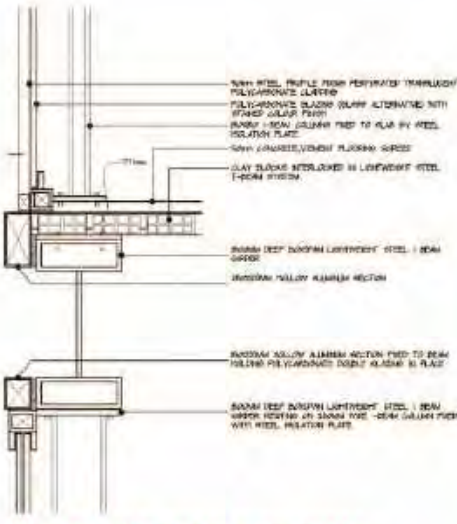
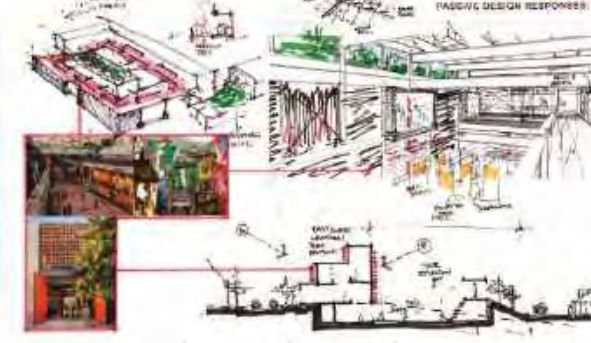
SECTION A-A:



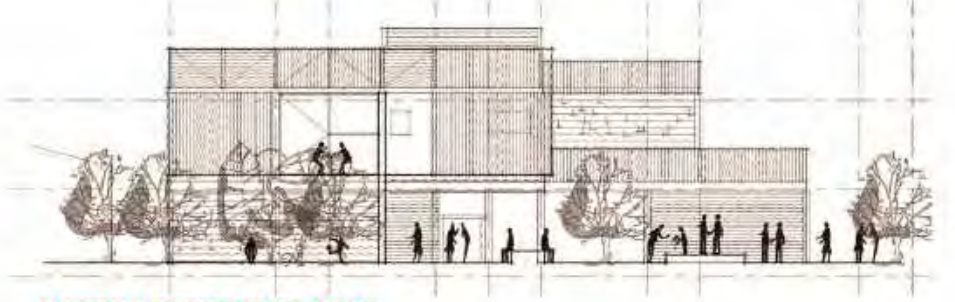
SECTION C-C:



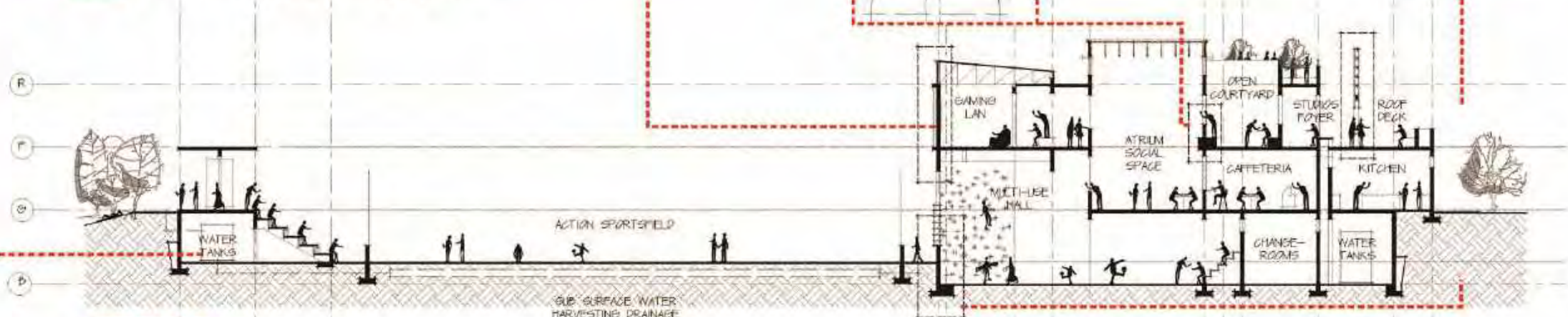
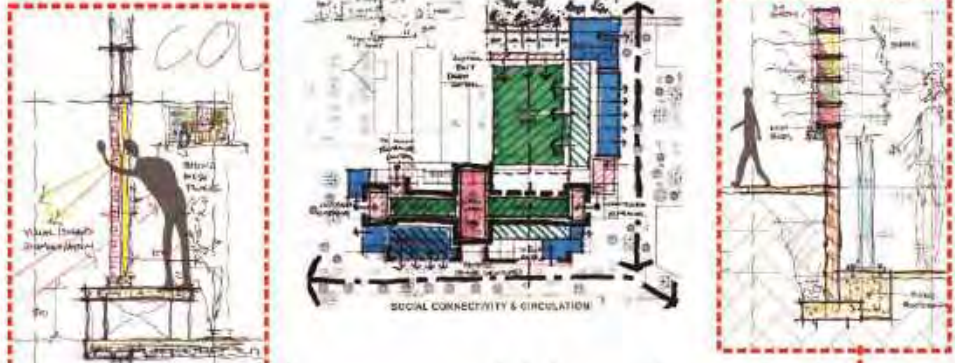
SOUTH/ PARK SIDE ELEVATION:



MULTI-USE HALL/LAN WALL



NORTH/ FRONT ENTRANCE



SECTION B-B:







KZNIA/ KZNSA- 20 YEAR ANNIVERSARY EXHIBITION
Response to Durban's Local Area Plan Proposal
Fabric Marker on canvas/ May 2016

Millennium Consortium Architects: Technologist

- TBWA Offices (Durban)
- Cashbuild Eshowe
- Eshowe Mall
- Aqua Sky Towers (Durban)
- Villa Moya (Shelly Beach)
- Edstan Guardhouse 1 (Riverhorse Durban)
- Edstan Guardhouse 2 & Tren Tyre (Riverhorse Durban)
- Electro Mechanica (Riverhorse Durban)
- Pongola Build it
- Zultrans (Riverhorse Durban)

Joy Brasler & Associates: Technologist

- House D'avice (Umdloti)
- House Benn (St Francis Bay)
- House Saad (Zimbali)

Architects Collaborative: Technologist/ Illustrator

- Ansteys Beach Urban Proposal (Durban South)
- Cuttings Beach Urban Proposal (Durban South)
- Umbumbulu Urban Renewal Proposal

Paton Taylor Architects: Technologist

- Kearsney College Flemming House
- Kearsney College Headmasters House
- Kearsney College Classrooms
- LDS Morman Temple (Durban)
- LDS Morman Housing (Durban)
- LDS Morman Guardhouse (Durban)

Remorphed Architecture & Design: Architect

- Penzance Primary School Pavillion (Durban)
- House Williams (Zimbali)

TJ Architects: Architect

- King George Covid-19/ Maintenance Hub (Durban)
- King George TB Complex (Durban)
- Varsity College Expansion (Durban North)
- UKZN Edgewood Campus Residences (Pinetown)

Architekton Studio: Architect

- Multiple residential minor works projects varying from partial to complete services
- Toyota Motors South Africa Prospecton (Minor works plant alterations)
- x73 projects in and around the Durban area (Mapped out below).

