DESIGN DISSERTATION 2008

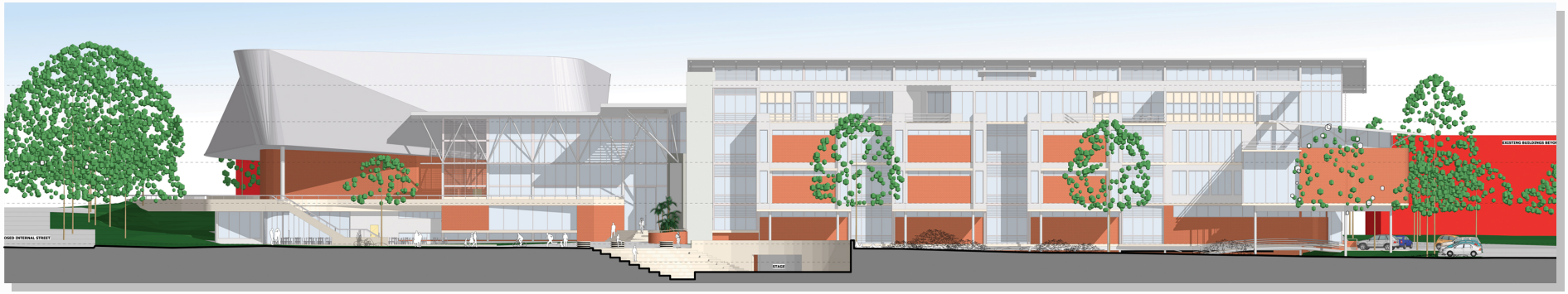
DESIGN REPORT







DESIGN OF A NEW DEPARTMENT OF TELEVISION, PERFORMANCE AND STAGING FOR DURBAN UNIVERSITY OF TECHNOLOGY



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STUDENT NUMBER: 202523107



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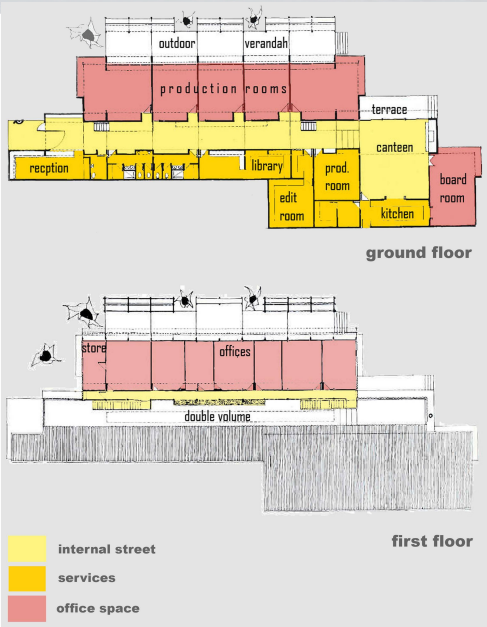


Illustration 1: First and ground floor plans of the velocity film [Noero 1996: 21]

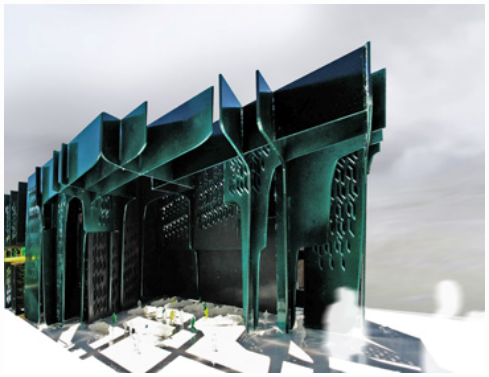


Illustration 2: Project by Jeong Yeong Ryoo, exploring the Blurry Experience. [www.architecture.yale.edu: 14 May 2008]

INTRODUCTION

This new Department of Television, Performance and Staging for Durban University of Technology (DUT) sets about to create the environment that will enhance the level of studying, workability, security and etc for the university at its transformation stage. This is achieved by carefully applying architectural design principles and concepts in designing and coming up with a virtual building. Concepts such as to create and environment that is easy and comfortable to be used by the assigned user and also by any user from outside. With nature of architectural design process, any building should be designed to narrate its function use and since this is an introverted building, concepts about light and dark, heavy and light have been implemented in designing a proper building for its use. Louis Sullivan argues that the form of the building should attempt to narrate the function found with in the building.

Progression through different spaces/ places is another useful concept that was used in coming up with the design. “Circulation realms” (Alexander, 1974: 480) good circulation is fundamental in any place. Disorientation can cause considerable stress. Students and the public arriving at the building need to find their way without loosing interest of what they came for, and thus circulation and clarity of the building composition is vital. This concept of ease of circulation is also stressed by J. Noero on his scheme in Jo’burg when he used the so called “internal street” where most of the rooms open out to and also it is a space used for social reasons as well as a space to share and create great ideas ill 1.

The design of this building also promotes the relationship between the indoors and outdoors but breaking down spaces and allowing for the views and “vista” and also open out to the amazing Durban climate for natural lighting and ventilation through out the building. Jeong Yeong Ryoo calls this the blurry experience ill 2, where the there is a play between heavy materials and translucent materials.



SITE SELECTION

General

In conducting research for the dissertation document, the following aspects were revealed that need to be taken into account when selecting a site that will best suit the purpose.

- In the dissertation document it is revealed that the main reason of doing this project was to create a space that will be used by the students and the stuff at any time of the day with security and ease and also it's mentioned that there is currently difficulties to get from one venue to the other as the students and the stuff keep switching from one campus to the other. Therefore the precinct from which the site is selected is no where else than on the premises of the University for the above reason.
- Also it was mentioned from the dissertation document that this department is part of the major faculty of arts and design that is coming up as an overall scheme, therefore the site need not only accommodate this department proposed but the rest of the faculty of arts and design. This sets out the approximate site of the site.
- The final aspect that was mentioned in choosing the site was the relevant department linkage. Even though the new faculty of arts and design as a whole can stand on it out, it still critically needs to be nested within the existing university framework as to help promote the intense learning experience, total immersion of in craft of acting, a professional working atmosphere, a complete spectrum of acting classes and opportunities to work on actual film scenes and productions.

There are three main closely related university campuses (ill 3) that were selected in search of the right site for the proposed building to be located are highlighted bellow:



Illustration 3: Site plan showing the campuses closely related to each other forming an educational precinct [www.durban.gov.za, edited by author 2008]

- The Steve Biko campus
- Ritson Campus
- ML Sultan Campus

All these site selected have a relatively large piece of available land which could be used. They are all along the major highway in and out of Durban and all on the perimeters of the Durban CDB. The comparison between the three sites was done as follows in order to find one suitable site for the location of the building:

SITE 1 – Steve Biko Campus



Illustration 4: Steve Biko Campus
A: successfully used garden, B: Soccer field. [www.durban.gov.za, edited by author 2008]

Steve Biko is the biggest site of all three and has more open spaces to a large development. There are two existing major recreational open spaces (ill 4) that could be used for the location of the building. With that said, these open spaces are positively used and should not be taken away; therefore it will be unethical or immoral to remove existing used recreational spaces for the location of the new building.

SITE 2 – Ritson Campus



Illustration 5: Ritson Campus
A: Huge uncovered parking lot and undeveloped land. [www.durban.gov.za, edited by author 2008]

Sandwiched between the other two sites is the Ritson campus. This is the second smallest site but the site has not been fully developed and there is a lot o vacant land which could be used for the location of the new building. It also a site that can set guidelines for the whole campus in terms of campus design framework. It is a site of opportunities. Since it is nested between the other campuses, it could be used as a bridge through from one campus to the other. The existing piece of land is currently used for parking and for temporal plant area.

SITE 3 – ML Sultan Campus



Illustration 6: ML Sultan Campus
A: Municipal owned sports field. [www.durban.gov.za, edited by author 2008]

ML Sultan is the smallest in sized and it is fully developed; there is just no space to put anything on it. The only open space on site is the municipal owned sports ground that the university is looking after hence that can't be used for anything other than the purpose it was meant for.

After a process of weighing advantages and disadvantages of each site, Ritson Campus was chosen for the allocation of the new building.



Illustration 7: Ritson Campus – outline of the primary study area (chosen campus) [www.durban.gov.za, edited by author 2008]

SITE ANALYSIS

Below is an outline of the neighbouring buildings and activities that influenced the design.

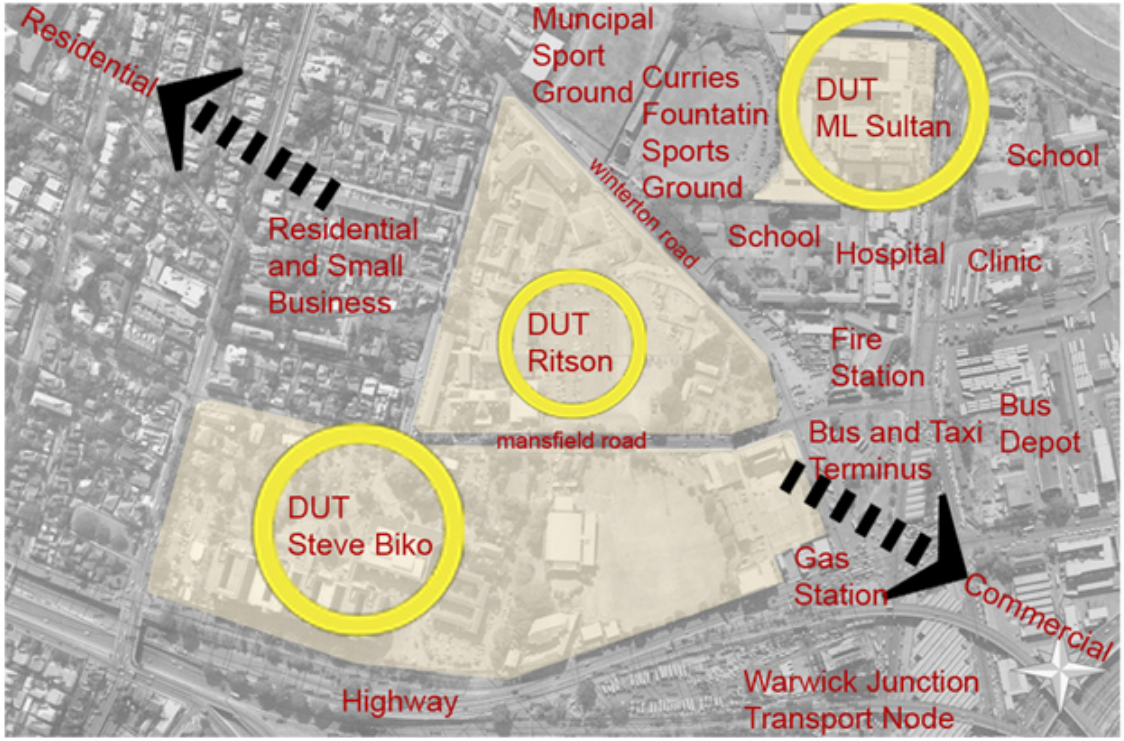


Illustration 8: Contextual analysis [www.durban.gov.za, edited by author 2008]



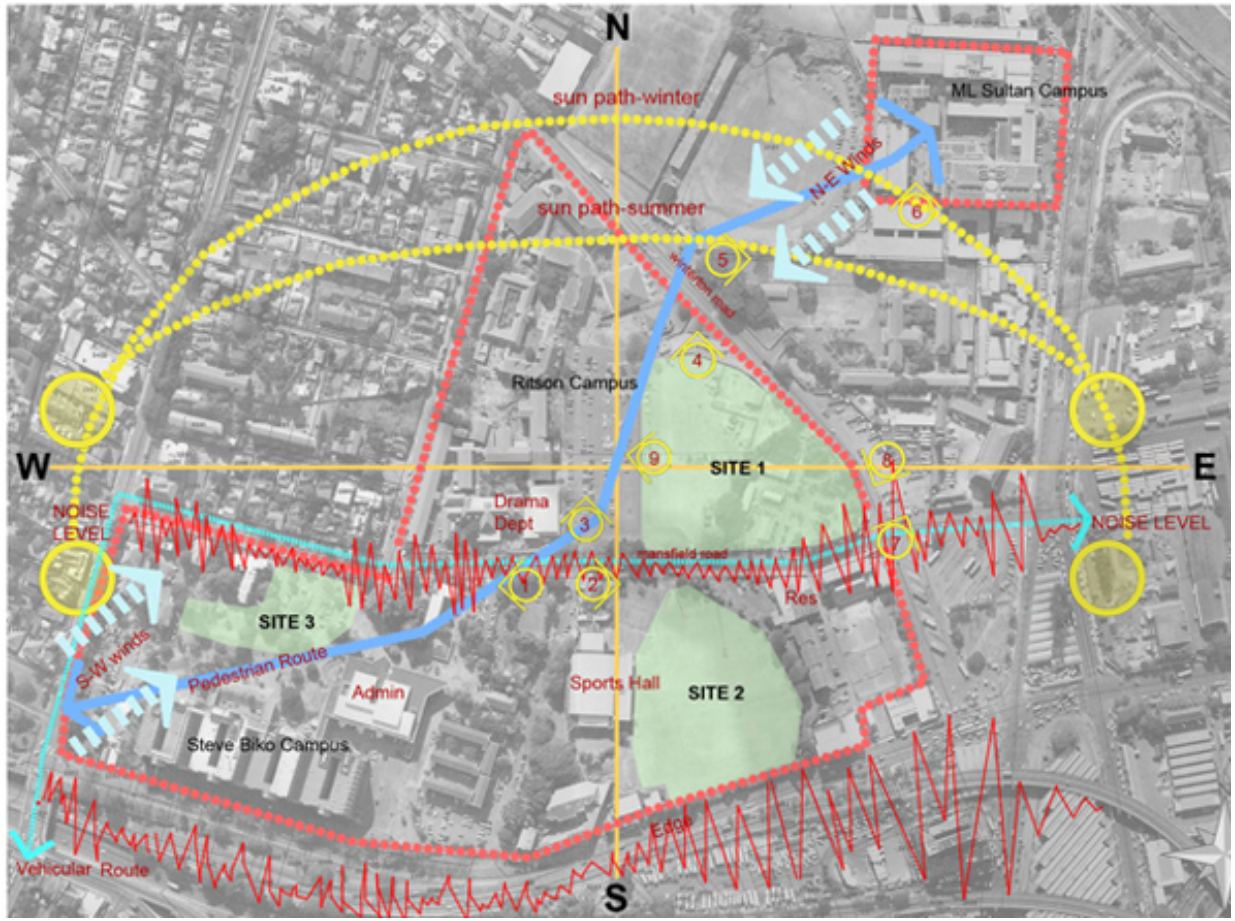
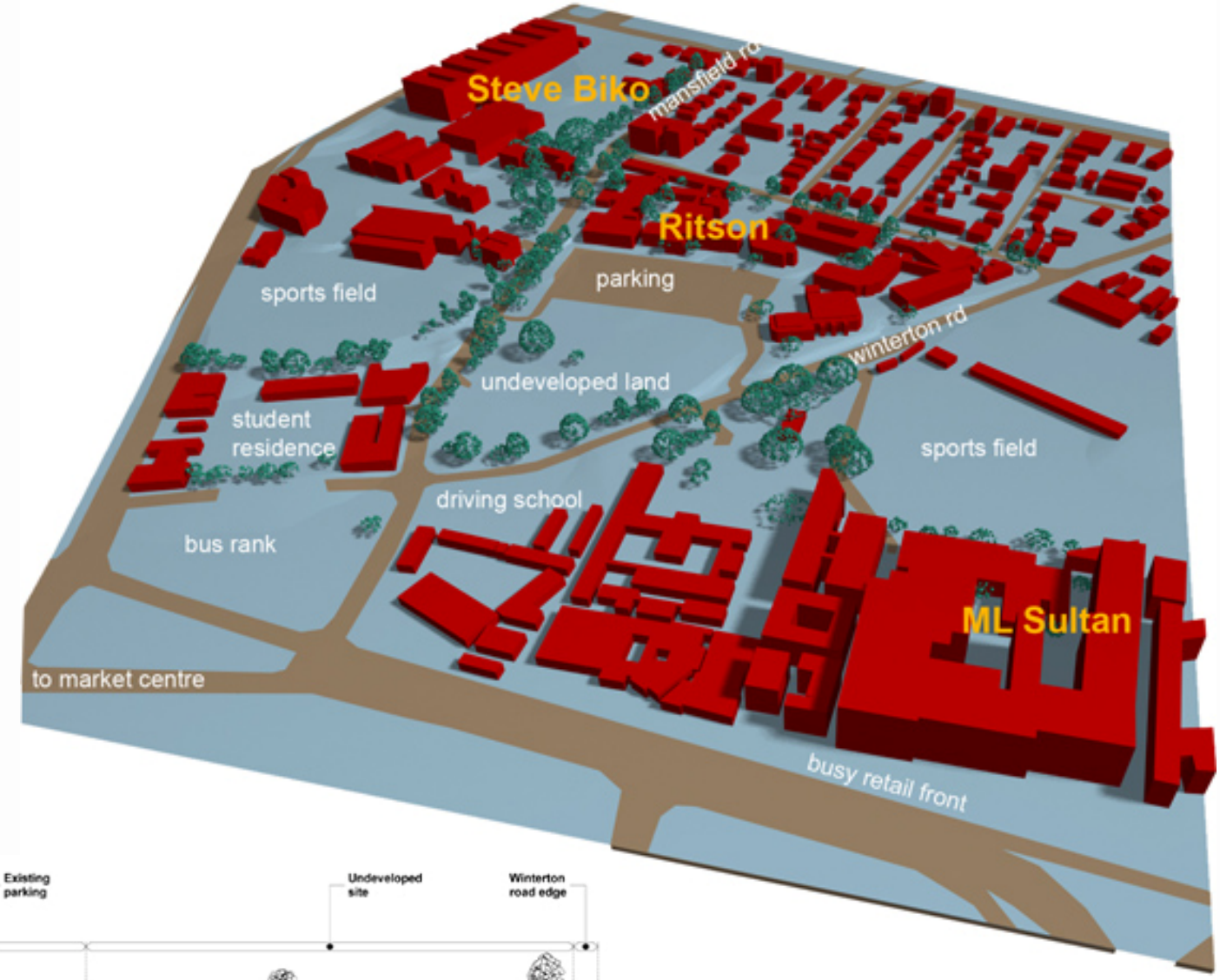


Illustration 9: Site Analysis
Site analysis indicate the current activities at DUT e.g. pedestrian routes, vehicular routes, noisier areas etc. alongside are the snapshots through the existing pedestrian route [www.durban.gov.za, edited by author 2008]



IIlustration 10: Section through the parking lot showing the slope/ split levels between the parking lot and the existing building



IIlustration 11: 3 Dimensional view of the Campus. Site on the parking lot shown

UNRBAN INTERVENTIONS



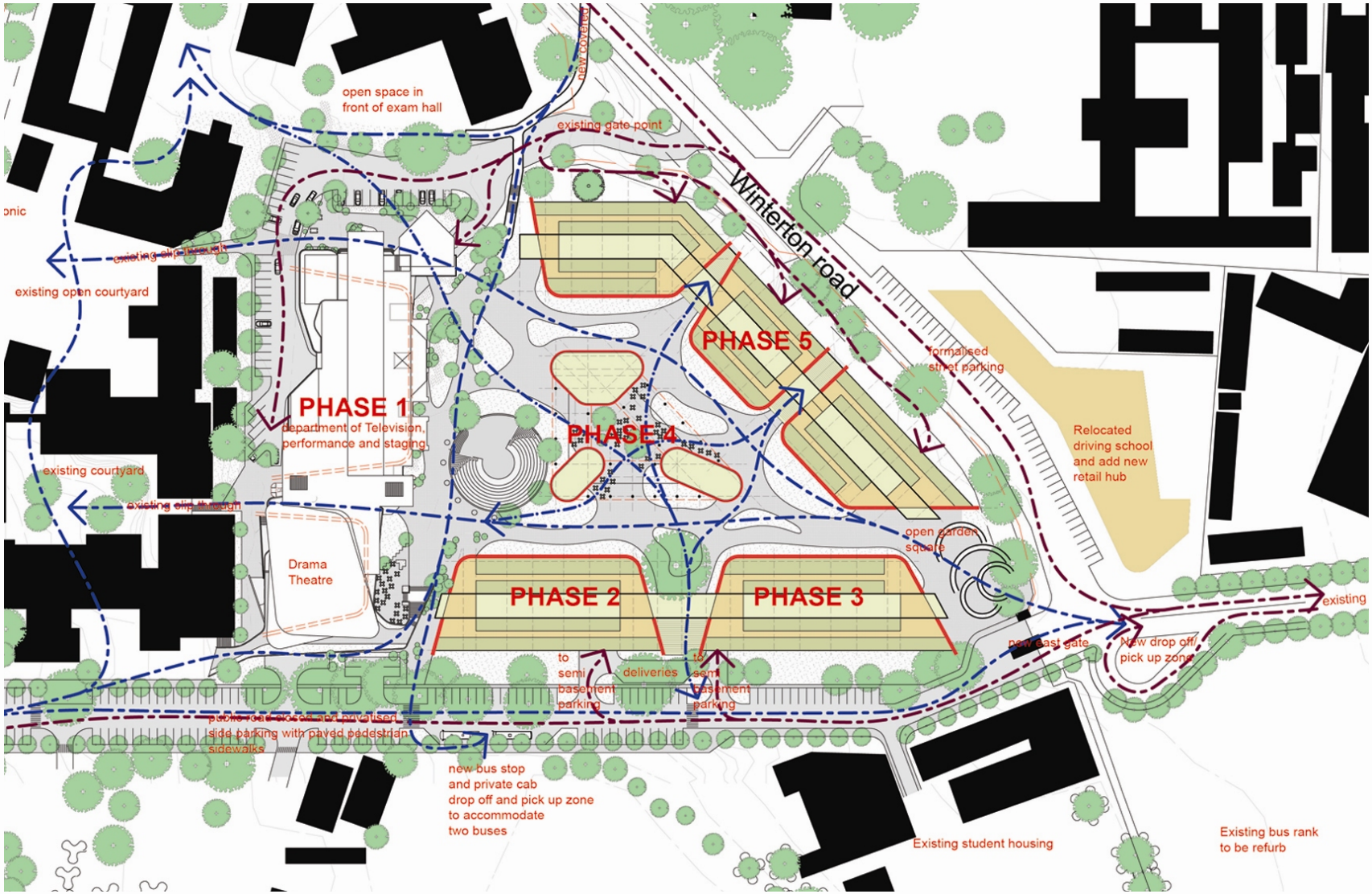
Illustration 12: Urban Design framework

As mentioned previously that the site is sandwiched between the two campuses, urban design set out the guidelines for the future development of a certain precinct and in this case, a frame work of the whole faculty of arts and design was set up in order for the new proposed department to nest within.

There were few campus interventions that were done in making the scheme possible. Security was one of the main issues, and in order to deal with it, the public road dividing Ritson and Steve Biko campus was proposed to be privatised and owned by the university. This was not only for security reasons but also it turned the two campuses into one big and easy to use one campus. Students can now be able to use the facilities more efficiently during the day or at night without having to cross a dangerous public road in the middle of the campus.

Such intervention did not only provide security, this internal street will be used for extra parking, also act as a green band between the campuses in order to still define the campus precinct, and also a bus stop have been proposed within this internal street, this way students need not worry of having to step outside the university premises to get the transport. Currently the road is used for public transport and taxis are the worst contributors in noise pollution. Then to avoid this; a proper public drop off and pick zone is allocated at the main gate that will link with the rest of the town in terms of transport issues.

As mentioned in the dissertation document that the whole faculty of arts and design is proposed to be done in phases, The proposed department of Television, Performance and Staging is designed on bases that it will be the first phase to be built up and the rest of it follow after therefore the setup frame was done to accommodate the new works in the earlier and later stages. Design guideline for this intervention was the existing pedestrian and vehicular movement. Therefore a network of such movement was set out to create spaces for the faculty, in other words, the faculty sits within the network and series of pedestrian and vehicular paths. As for pedestrian paths, it is best to have “pause” spaces, it could be in a form of a small garden space off the main pathway or a social activity such as a café, coffee shop to pause and help break the lengthy pathway. With that said, the faculty is laid out to create pockets of social activities such as theatres, coffee shops, cafes, amphitheatres along the pathways with the main translucent block in the middle which is proposed to be the faculty admin block. With that set out, the intervention was not restricted within the university boundary, the driving school outside the university seen from the site analysis before is proposed to be removed and reallocated either inside the university for small vehicles or in any other site that could be found around the area since this driving school uses the site because it is vacant. Therefore the site where the driving school was, a proposed new retail hub will stimulate the growth of business along this edge, and also usable both by public and the university.



IIlustration 13: The other important aspect of this urban intervention was the complete separation between people and vehicles, and this was achieved by creation layers in terms of bridges to separate people from cars. Blue is pedestrian path and dark red is vehicular path

FUNCTIONS OF THE BUILDING

This building is a shelter for the Department Performance, Television and Staging and also a portion of the bigger element, a bigger Faculty of Arts and Design. With the search conducted and piled in the dissertation document, the building provides the accommodation for the Department Drama Studies, currently housed in Ritson Campus and Video Technology, currently housed in City Campus, West Street. The accommodation for this particular building or department is viewed in two groups, one is Video Technology and the other is Drama. For Video Technology, the building caters for 124 students and a further 150 predicted by late 2008. (Allan Rosenburg – 2007)

The accommodation ranges from very introverted spaces such as studios, control rooms and other recording rooms. There are also practice venues and performance spaces. These spaces are all soundproofed, and most of them required ground floor access due to the machines that are used when recording that might need to be wheeled in or out of the building. Off these spaces, a few lecture theatres for teaching are part of the accommodation. Lectures offices and administrative offices are the final rooms for accommodation. Parking is shared on campus. Drama studies on the other hand have a similar accommodation, soundproofed practice rooms and performance theatre and its supporting facilities. Drama department also have dedicated office spaces and administrative offices. Further more to the drama accommodation; an amphitheatre with its supporting facilities is the one of the big spaces this department holds. An additional requirement such as locker facilities for student body is needed. Lockers need to be big enough to store clothes and bags. Students need some place to lock their change of clothes up whilst in prac/ dance classes.



IIlustration 14: Camera crew in action

CLIENT AND THE BRIEF

It is obvious from the information above and the dissertation document that the client is the Durban University of Technology for the mentioned reasons.

With that said, the client grounds for the building to provide the following

- An intense learning experience
- Total immersion in the craft of acting
- A professional working atmosphere
- A complete spectrum of acting classes
- Access to veterans of stage and screen
- Opportunities to work on actual film scenes and productions

And this has resulted to the following schedule of accommodation which the client has determined whether to be shared or not.

SCHEDULE OF ACCOMMODATION

ACCOMMODATION SCHEDULE FOR VIDEO TECHNOLGY Total number of students : 124 (2007) 150 (2008 predicted) Total number of staff : 10			
PURPOSE	SIZE	SPECIAL REQUIREMENTS	ABLE TO BE SHARED
Studio 1	10 x 9	6m high ceiling, Soundproof, No windows, ground floor	No

Studio 1 control room	5 x 6	Soundproof, No windows, ground floor	No
Studio 1 store room	3 x 2	Soundproof, No windows, ground floor	No
Studio 2	14 x 12	6m high ceiling, Soundproof, No windows, ground floor	No
Studio 2 audio control	4 x 3	Soundproof, No windows, ground floor	No
Studio 2 lighting/ vision control	5 x 4	Soundproof, No windows, ground floor	No
Studio 2 production control	5 x 5	Soundproof, No windows, ground floor	No
Studio 2 storeroom	3 x 2	Soundproof, No windows, ground floor	No
Voice recording booth	5 x 3	Soundproof, No windows, ground floor	No
Makeup and wardrobe	6 x 4	Soundproof, No windows, ground floor	No
Props preparation	14 x 8	Soundproof, No windows, ground floor	No
Paint store	3 x 2	Soundproof, No windows, ground floor	No
Green room	5 x 4	Soundproof, No windows, ground floor	No
Main electronic centre	5 x 3	Soundproof, No windows, ground floor	No
Edit suites x 6	3.5 x 2.5	Soundproof, No windows	No
Logging area	5 x 3	Soundproof, No windows	No
Undergraduate computer lab	7 x 7	Soundproof, No windows	No
Postgraduate computer lab	7.5 x 5	Soundproof, No windows	No

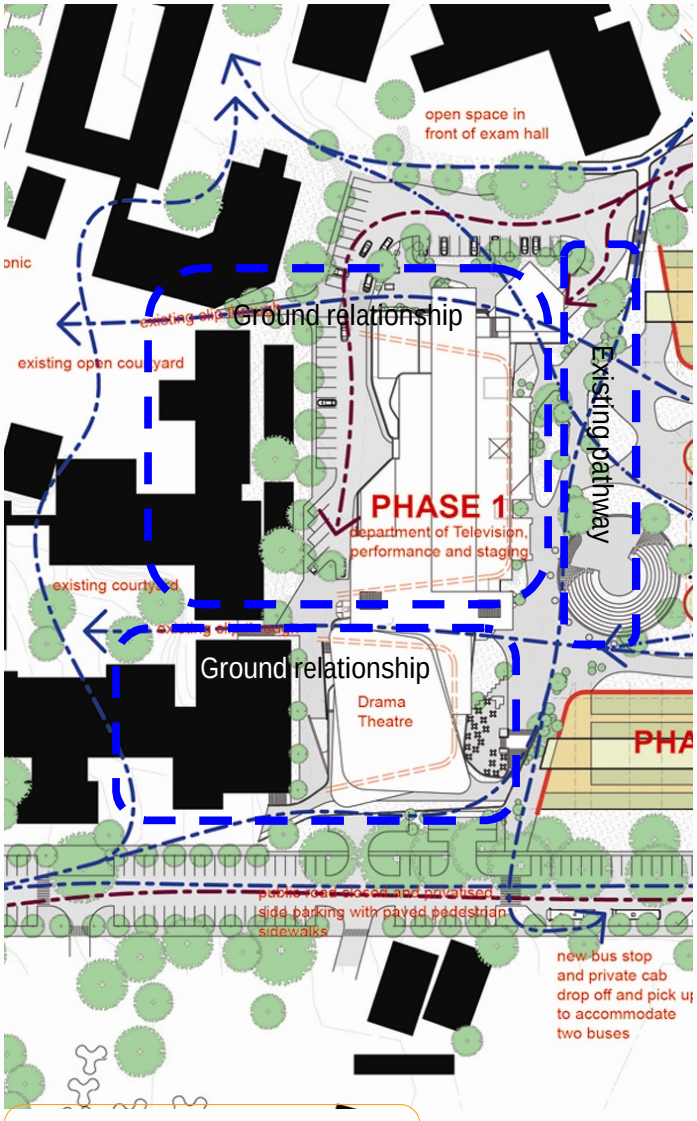
Equipment issuing area	7 x 3.5	Ground floor	No
Workshop	5 x 4	Ground floor	No
Equipment store x 2	7 x 4 4 x 4		No
OB van garage	10 x 6	Ground floor, drive in access, double volume	No
1st year lecture theatre 80 seater	10 x 9	No windows, raked	No
2nd/3rd year lecture theatre 80 seater	10 x 9	Soundproof, no windows, raked	No
B tech seminar room 30 seater	6.5 x 4.5	Soundproof, no windows	No
Crit room	5 x 4	No windows	No
Tech office	3.5 x 3.5		No
Comp tech office	3.5 x 3.5		No
Asst tech office	3.5 x 3.5		No
Senior tech office	4 x 4		No
Boardroom	6 x 4		No
Staffroom/ kitchen	6 x 6		No
Foyer	4 x 3		No
Reception/ secretary	7 x 6		No

Tape archive	4 x 3		No
Lecture office x 4	4 x 4		No
P/T lecture office	4 x 4		No
HOD office	6 x 4		No
ACCOMMODATION SCHEDULE FOR DRAMA STUDIES Total number of students : 130 Total number of staff : 8			
Costume room	10 x 6	Located directly next to the theatre on ground floor. Must have a double loading bay door access. Must have facilities for tumble drying and washing machine. Must have enclosed secure courtyard area with windy dryer off it. Must have fitted cupboards and fitted dressing room rails on walls. If venue has windows, blinds must be fitted to all windows	No
Prac venue x 6	4 @ 10 x 16 2 @ 6 x 8	With specialised sprung floor, soundproof and mirrors. Must be air conditioned	No
Prac venue: Dance	12 x 15	With specialised sprung aerobics floor, mirrors and dance bars. Must be air conditioned	No
Pros Arch Theatre of 300 seats	stage @ 15 x 15 wings x2 @ 7 x 5 fly tower @ 20 m foyer @	As per proper theatre design	No

	150m2		
Amphitheatre of 500 seats	Approx 30m diameter	Raked seating. Separate dressing rooms for male and female actors. Separate toilets for public. Wheel chair access	No
Multi-purpose theatre	10 x 25	As per pros arch theatre. Movable seats on trucks. Road access	No
Props room	10 x 15	Storage facilities built in. secure venue	no
Set storage room	15 x 20	Close proximity to theatre complex	No
Dressing room 1: females	10 x 10	For each theatre. Needs shower and toilets off it	No
Dressing room 2: males	10 x 10	For each theatre. Needs shower and toilets off it	No
Make-up room	6 x 8	For each theatre. Needs shower and toilets off it	No
Dressing room 3: leads	6 x 6	For each theatre. Needs shower and toilets off it	No
Staff offices x 9	3 x 4	Located within the close proximity to theatre complex and prac rooms/ lecture venues	No
Staff seminar room	6 x 6	With white board, power point facility and air conditioned	
Department storage	6 x 4		No
Post grad prac venues x2	12 x 8	As for other prac venues	No
Post grad seminar room	6 x 4	Carpeted	No
Live recording facility, production recording and control room	8 x 10	For production purposes this facility should be directly linked to theatre for live feed to the recording facilities. Next to theatre. Soundproofed.	No

Music room x 2	6 x 5	Loading bay facility for grand piano. Road access. Sound proofed. Acoustic treatment to venue	No
Female and male public toilets: dedicated to theatre complex		These must be able to be locked and accessible via the theatre only. For use when shows are on in the theatre only	No
Computer lab		For 45 computers. fitted desks, air conditioned	No
TOTAL AREA			4739m2
INCLUDING 30% CIRCULATION			6160m2

DESIGN CONCEPTS



IIlustration 15: figure ground relationship

Existential Concepts

Existential concepts are concepts emitting from existing activities found on site and the surrounding environment

1. Movement as an ordering device
    - The starting point of the design is the discovery of existing pedestrian and vehicular paths across the site towards the ML Sultan, and thus prompted the development of the new pedestrian walkway through the site which the building addresses. This is also taken through to the inside of the building and treated as an “internal street”
2. Dual composition and integration of private and public spaces
    - Division of the building permits greater integration into the urban fabric by reducing scale and creating public and private spaces
3. Figure ground relationship
    - The figure or layout of the building is shaped by the existing trees to be preserved, topography, the north orientation and also following the ground figure of the building found nearby
4. Formal expression
    - The division of the of the building into two parts allows for the interplay of outer and inner conceptual envelops

Abstract Concepts

1. Extroverted Vs Introverted

- The play between solid and translucent elements
- The play between light and heavy structure
- The blurry experience, mentioned previously
- Typical massing and use of material to obtain the contrast between the heavy and light

2. Dramatic/ Cinematic Architecture/ Expression

- Cinematic: Form articulation to express the idea of film/ video/ moving image/ scenery
- Dramatic: Form articulation to express the idea of Drama/ Live Play. Also in this concept, the idea of “masking” is relevant as it is a common expression in drama. The building will mimic this idea volumetrically and hierarchically

3. Repetition and Rhythm

- Repetition arrangement to obtain rhythm in order to mimic the idea of a “moving image” or scenery

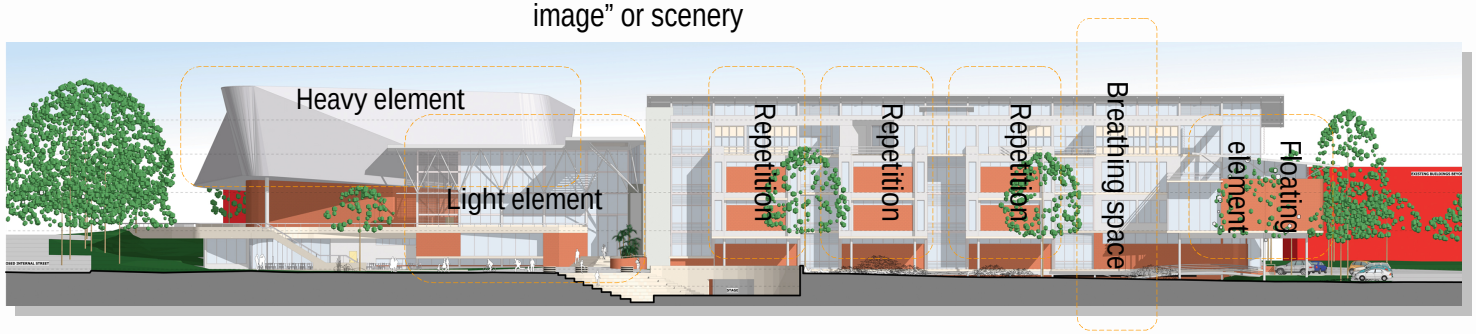


Illustration 16: Elevational analysis



IIlustration 17: Ground floor analysis

ENVIRONMENTAL RESPONSE STRATEGIES

Understanding the brief of such building, almost 90% of this building is internalised and/or needs to have constant natural light, which is south light. The spaces that need no natural lighting are lecture theatres, theatre, recording studios, editing rooms and editing Local area network room (LAN). Since most of the spaces were internalised, the building ended up running north south with it front facing due east. the benefit of this arrangement is that all the enclosed spaces are then arranged on the west façade of the building including their services and their supporting rooms. The gallery for video technology and drama exhibition is located on the south end of the building next to the main theatre along the new internalised university street. This way the theatre responds and uplifts the life style and the quality of this new internal street, and on the other hand the gallery space is located on the main entrance point opening out more to the south and the east which overlooks the main pathway along the building.

Building orientation doesn't only respect the quality of functions within but also responds to the existing campus pedestrian and vehicular network. As seen on the east elevation, the play between light and heavy materials is not only for aesthetic quality but also for environmental quality. The light elements along the front east façade will help capture the prevailing north easterly winds and drive them through the building and out the internal street or corridor which is highly ventilated and illuminated from ground floor to third floor, however the back of the building is fairly solid and all the services open out to the existing services yard.

Other means of environmental response strategies were tested and implemented to this design, such as harvesting of rain water for irrigation, user of solar panels for heating of water and also photo voltage cell to be installed on the room for the charging of batteries in the battery store located along the south end.

STRUCTURE

Even though schedule of accommodation and conceptual analysis calls for a flexible building, the structure of the building is kept simple and standard; the 10m x 10m grid is kept through out the building with a 5m x 10m grid for breathing purposes and also for a 7.5m to accommodate the “internalised street”. The structure is simply a concrete frame with brick wall and aluminium curtain wall infill

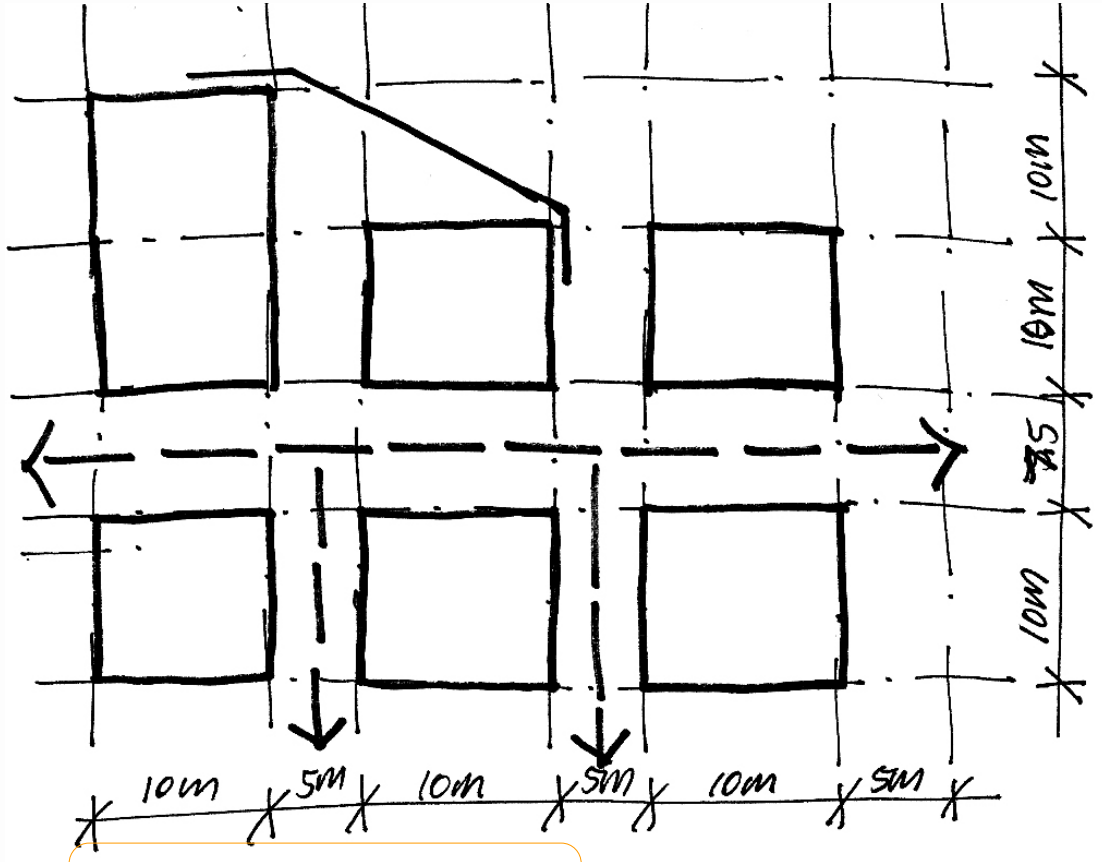


Illustration 18: Structural grid analysis

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Internet

http://www.wm.edu/. Jan 08

www.noerowolff.com: 28 Feb 08

SEE THE STARS OF TOMORROW TODAY

APPENDIX A – Design Drawings

Background and Brief

Durban University of Technology (DUT) resulted from merger of the ML Sultan that was once known as the Indian Technikon and the Steve Biko Technikon. DUT comprises of five campuses spread throughout the city of Durban and surrounding-voids. Due to the increasing number of students, DUT has expanded and this has led to a number of the departments to be scattered around the City of Durban. E.g. the City Campus that houses Video Technology and other departments and the Brickfield Road Campus that houses art related departments. As a result it is difficult for communication between the departments due to the poor campus layout. This led Durban University of Technology to lose students due to the lack of function for these remote departments and also to lose that quality of merging various departments within the same space (Allan Roseberg - personal interview - Oct 2007).

The intention of this design proposal is to enable the design of a new Faculty of Arts and Design for the DUT which, from research and interviews conducted earlier, will house the following departments:

Art Faculty offices
Gallery and residency flat
Arts library
Arts extended programme
Entertainment technology
Fashion
Jewellery
interior design
journalism and media

English and communication
Fashion and Textiles

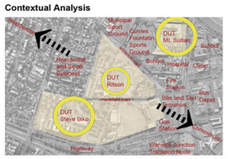
Graphic design
Multimedia technology
Photography
Language and translation
lecture theatres
Multi-media room
Staff offices
Material supply shop
Canteen/ internet/ coffee shop
community outreach facilities
student common rooms
Faculty computer labs.

The proposed new Faculty of Arts and Design is about 23 000m2 in total, therefore the Drama Department (which is 3 000m2) will be relocated to the new facility. The Department of Television, Performance and Staging which will house Video Technology and Drama Studios. With that said, the campus design criterias will be the main driving elements to the new Faculty of Arts and Design.

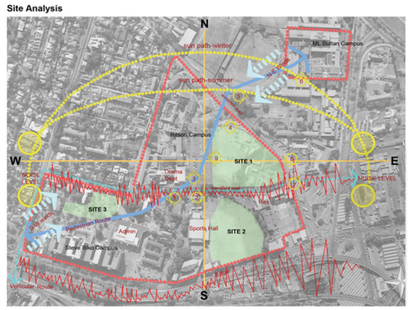
Locality Plan



Contextual Analysis



Site Analysis



Site Selection

Site 1 *****

> Better orientation
> View to the City
> Possible future main University access
> Enough area to accommodate the new Faculty
> In-between Campus
> Existing green houses

Site 2 **

> Better orientation
> Source of noise from north and south
> Existing sports ground

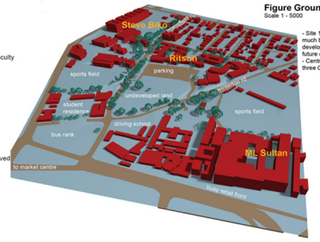
Site 3 *

> Along the main route
> Existing green space will have to be removed
> Too small

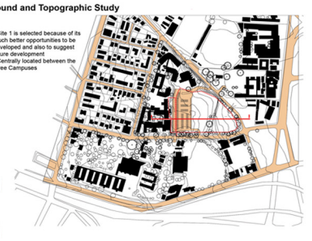
All three sites are restricted to
> three storeys
> 7.5 m building line
> 50% coverage
> Educational zoning

Figure Ground and Topographic Study

Scale 1 - 5000



- Site 1 is selected because of its much better opportunities to be developed and also to suggest future development
- Centrally located between the three Campuses





Schedule of Accommodation

ACCOMMODATION SCHEDULE FOR VIDEO TECHNOLGY

Total number of students : 124 (2007) 150 (2008 predicted)
Total number of staff : 10

PURPOSE	SIZE	SPECIAL REQUIREMENTS	ABLE TO BE SHARED
Studio 1	10 x 9	6m high ceiling, Soundproof, No windows, ground floor	No
Studio 1 control room	5 x 5	Soundproof, No windows, ground floor	No
Studio 1 store room	3 x 2	Soundproof, No windows, ground floor	No
Studio 2	14 x 12	6m high ceiling, Soundproof, No windows, ground floor	No
Studio 2 audio control	4 x 3	Soundproof, No windows, ground floor	No
Studio 2 lighting/ vision control	5 x 4	Soundproof, No windows, ground floor	No
Studio 2 production control	5 x 5	Soundproof, No windows, ground floor	No
Studio 2 storeroom	3 x 2	Soundproof, No windows, ground floor	No
Voice recording booth	5 x 3	Soundproof, No windows, ground floor	No
Makeup and wardrobe	6 x 4	Soundproof, No windows, ground floor	No
Props preparation	14 x 8	Soundproof, No windows, ground floor	No
Paint store	3 x 2	Soundproof, No windows, ground floor	No
Green room	5 x 4	Soundproof, No windows, ground floor	No
Main electronic centre	5 x 3	Soundproof, No windows, ground floor	No
Edit suites x 6	3.5 x 2.5	Soundproof, No windows	No
Logging area	5 x 3	Soundproof, No windows	No
Undergraduate computer lab	7 x 7	Soundproof, No windows	No
Postgraduate computer lab	7.5 x 5	Soundproof, No windows	No
Equipment issuing area	7 x 3.5	Ground floor	No
Workshop	5 x 4	Ground floor	No
Equipment store x 2	7 x 4 4 x 4		No
OB van garage	10 x 6	Ground floor, drive in access, double volume	No
1st year lecture theatre 80 seater	10 x 9	No windows, raked	No
2nd/3rd year lecture theatre 80 seater	10 x 9	Soundproof, no windows, raked	No
8 tech seminar room 30 seater	6.5 x 4.5	Soundproof, no windows	No
CAI room	5 x 4	No windows	No
Tech office	3.5 x 3.5		No
Comp tech office	3.5 x 3.5		No
Asst tech office	3.5 x 3.5		No
Senior tech office	4 x 4		No
Boardroom	6 x 4		No
Staffroom/ kitchen	6 x 5		No
Foyer	4 x 3		No
Reception/ secretary	7 x 5		No
Tape archive	4 x 3		No
Lecture office x 3	4 x 4		No
FIT lecture office	4 x 4		No
HOD office	6 x 4		No

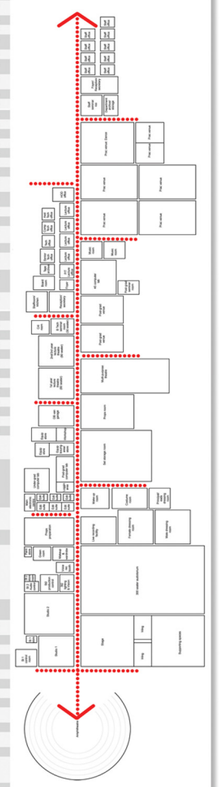
ACCOMMODATION SCHEDULE FOR DRAMA STUDIES

Total number of students : 130
Total number of staff : 9

Costume room	10 x 6	Located directly next to the theatre on ground floor. Must have a double loading door. Must have a double basin, hot water, washing machine. Must have enclosed secure courtyard area with windy dryer off it. Must have fitted cupboards and fitted dressing room rails on walls. If venue has windows, blinds must be fitted to all windows.	No
Prac venue x 6	4 @ 10 x 10 2 @ 6 x 8	With specialised sprung floor, soundproof and mirrors. Must be air conditioned	No
Prac venue: Dance	12 x 10	With specialised sprung aerobics floor, mirrors and dance bars. Must be air conditioned	No
Prac Arch Theatre of stage @ 10 x 8 300 seats	ramp: x2 @ 7 x 5 Fly floor @ 20 m² Iron @ 150mp	As per proper theatre design	No
Amphitheatre of 500 seats	Approx 30m diameter	Raked seating. Separate dressing rooms for male and female actors. Separate toilets for public. Wheel-chair access	No
Multi-purpose theatre	10 x 25	As per prac arch theatre. Movable seats on tracks. Flood access	No
Props room	10 x 15	Storage facilities built in. secure venue	no
Set storage room	15 x 20	Close proximity to theatre complex	No
Dressing room 1 females	10 x 10	For each theatre. Needs shower and toilets off it	No
Dressing room 2 males	10 x 10	For each theatre. Needs shower and toilets off it	No
Make-up room	6 x 5	For each theatre. Needs shower and toilets off it	No
Dressing room 3 leads	6 x 5	For each theatre. Needs shower and toilets off it	No
Staff offices x 9	3 x 4	Located within the close proximity to theatre	No
Staff seminar room	6 x 5	With white board, power point facility and air conditioned	No
Department storage	6 x 4		No
Prod/ grad prac venues x2	12 x 5	As for other prac venues	No
Post-grad seminar room	6 x 4	Carpeted	No
Live recording facility, production recording and control room	8 x 10	For production purposes this facility should be directly linked to theatre for live feed to the recording facilities. Need to theatre. Soundproofed.	No
Music room x 2	6 x 5	Loading bay facility for grand piano. Road access. Sound proofed. Acoustic treatment to walls	No
Female and male public toilets dedicated to theatre complex		Three must be able to be locked and accessible via the theatre only. For use when shows are on in the theatre only	No
Computer lab		For 45 computers. fitted desks, air conditioned	No
TOTAL AREA			4739m2
INCLUDING CIRCULATION	30%		6166m2

Space Relation Layout

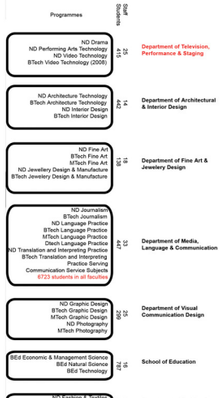
Scale 1:500


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Eight hundred and ninth floor
Eight hundred and tenth floor
Eight hundred and eleventh floor
Eight hundred and twelfth floor
Eight hundred and thirteenth floor
Eight hundred and fourteenth floor
Eight hundred and fifteenth floor
Eight hundred and sixteenth floor
Eight hundred and seventeenth floor
Eight hundred and eighteenth floor
Eight hundred and nineteenth floor
Eight hundred and twentieth floor
Eight hundred and twenty first floor
Eight hundred and twenty second floor
Eight hundred and twenty third floor
Eight hundred and twenty fourth floor
Eight hundred and twenty fifth floor
Eight hundred and twenty sixth floor
Eight hundred and twenty seventh floor
Eight hundred and twenty eighth floor
Eight hundred and twenty ninth floor
Eight hundred and thirtieth floor
Eight hundred and thirty first floor
Eight hundred and thirty second floor
Eight hundred and thirty third floor
Eight hundred and thirty fourth floor
Eight hundred and thirty fifth floor
Eight hundred and thirty sixth floor
Eight hundred and thirty seventh floor
Eight hundred and thirty eighth floor
Eight hundred and thirty ninth floor
Eight hundred and fortieth floor
Eight hundred and forty first floor
Eight hundred and forty second floor
Eight hundred and forty third floor
Eight hundred and forty fourth floor
Eight hundred and forty fifth floor
Eight hundred and forty sixth floor
Eight hundred and forty seventh floor
Eight hundred and forty eighth floor
Eight hundred and forty ninth floor
Eight hundred and fiftieth floor
Eight hundred and fifty first floor
Eight hundred and fifty second floor
Eight hundred and fifty third floor
Eight hundred and fifty fourth floor
Eight hundred and fifty fifth floor
Eight hundred and fifty sixth floor
Eight hundred and fifty seventh floor
Eight hundred and fifty eighth floor
Eight hundred and fifty ninth floor
Eight hundred and sixtieth floor
Eight hundred and sixty first floor
Eight hundred and sixty second floor
Eight hundred and sixty third floor
Eight hundred and sixty fourth floor
Eight hundred and sixty fifth floor
Eight hundred and sixty sixth floor
Eight hundred and sixty seventh floor
Eight hundred and sixty eighth floor
Eight hundred and sixty ninth floor
Eight hundred and seventieth floor
Eight hundred and seventy first floor
Eight hundred and seventy second floor
Eight hundred and seventy third floor
Eight hundred and seventy fourth floor
Eight hundred and seventy fifth floor
Eight hundred and seventy sixth floor
Eight hundred and seventy seventh floor
Eight hundred and seventy eighth floor
Eight hundred and seventy ninth floor
Eight hundred and eightieth floor
Eight hundred and eighty first floor
Eight hundred and eighty second floor
Eight hundred and eighty third floor
Eight hundred and eighty fourth floor
Eight hundred and eighty fifth floor
Eight hundred and eigh

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APPENDIX A – Design Drawings

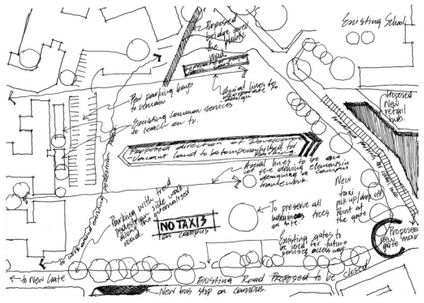
Re-structured Faculty Organisational Diagram



Functional Components / Elements

- Staff Offices
  Receptions
  Boardrooms
- Dedicated
- Studios
  Drawing Rooms
  Labs
  Workshops
  Lockers
  Crit Spaces
- Dedicated
- Lecture Venues
  - Flat
  - Tiered/Raked
  Faculty Computer Lab
- Shared
- Community Outreach
  Business Units
  Research
  Incubation Space
- Dedicated
- Shared incubation space
- Gallery
  Library
  Faculty Office
  Canteen/ Coffee Shop
  Theatre
  External/ Multipurpose Theatre
- Public/ Institutional
- Outdoor Spaces
  - Amphitheatre
  - Student Spaces
  - Staff Spaces
- Parking
  Student and staff ablutions

Proposed setting-out guidelines for Campus Frame-Work


existing School
Proposed Public Road
Proposed Retail Hub
Proposed Student Housing
Proposed Student Housing
Proposed Student Housing

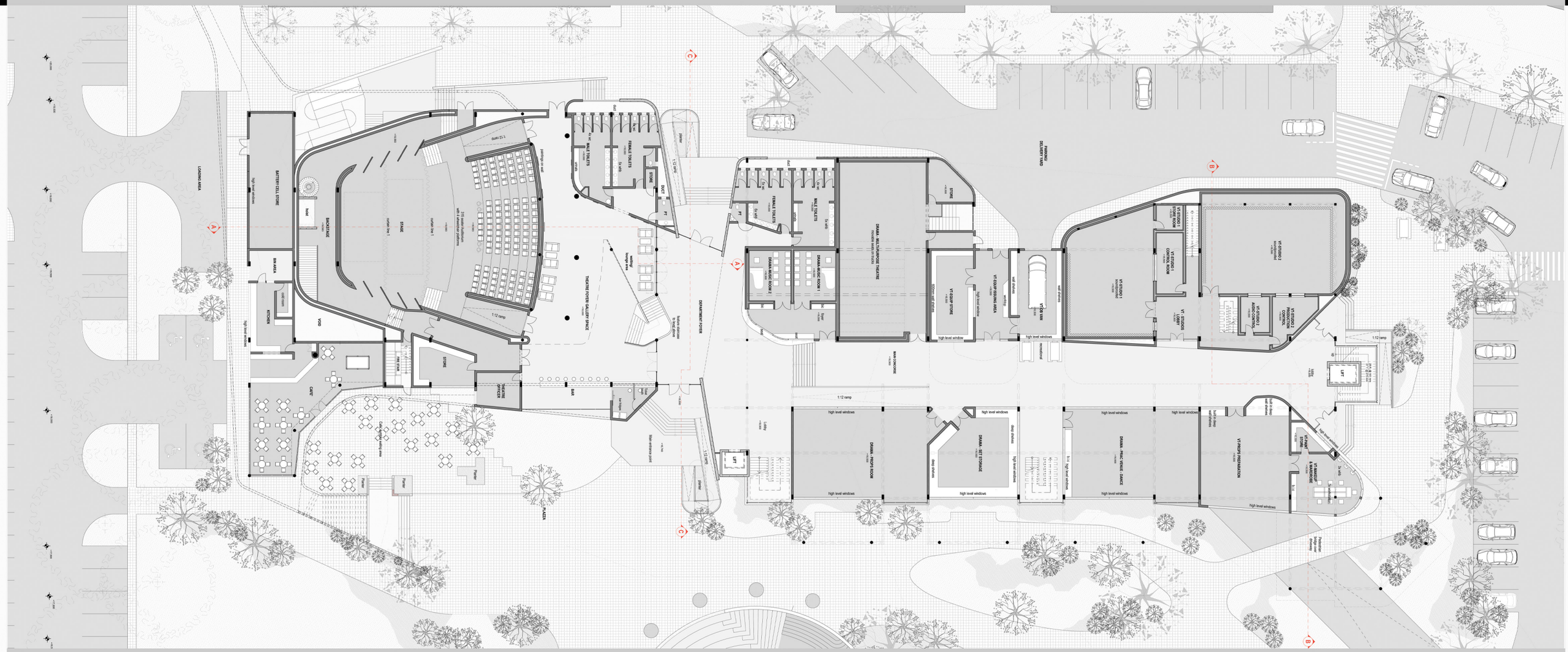
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APPENDIX A – Design Drawings


Amphitheatre Plan 1:100
high level windows
high level windows
STAGE
PLANT ROOM
PLANT ROOM
CLEANERS ROOM
LAUNDRY
CHANGE ROOM
MALE CHANGE ROOM
FEMALE CHANGE ROOM
BASE STORE
PRODUCTION OFFICE
DRESSING ROOM
DRESSING ROOM
DRESSING ROOM

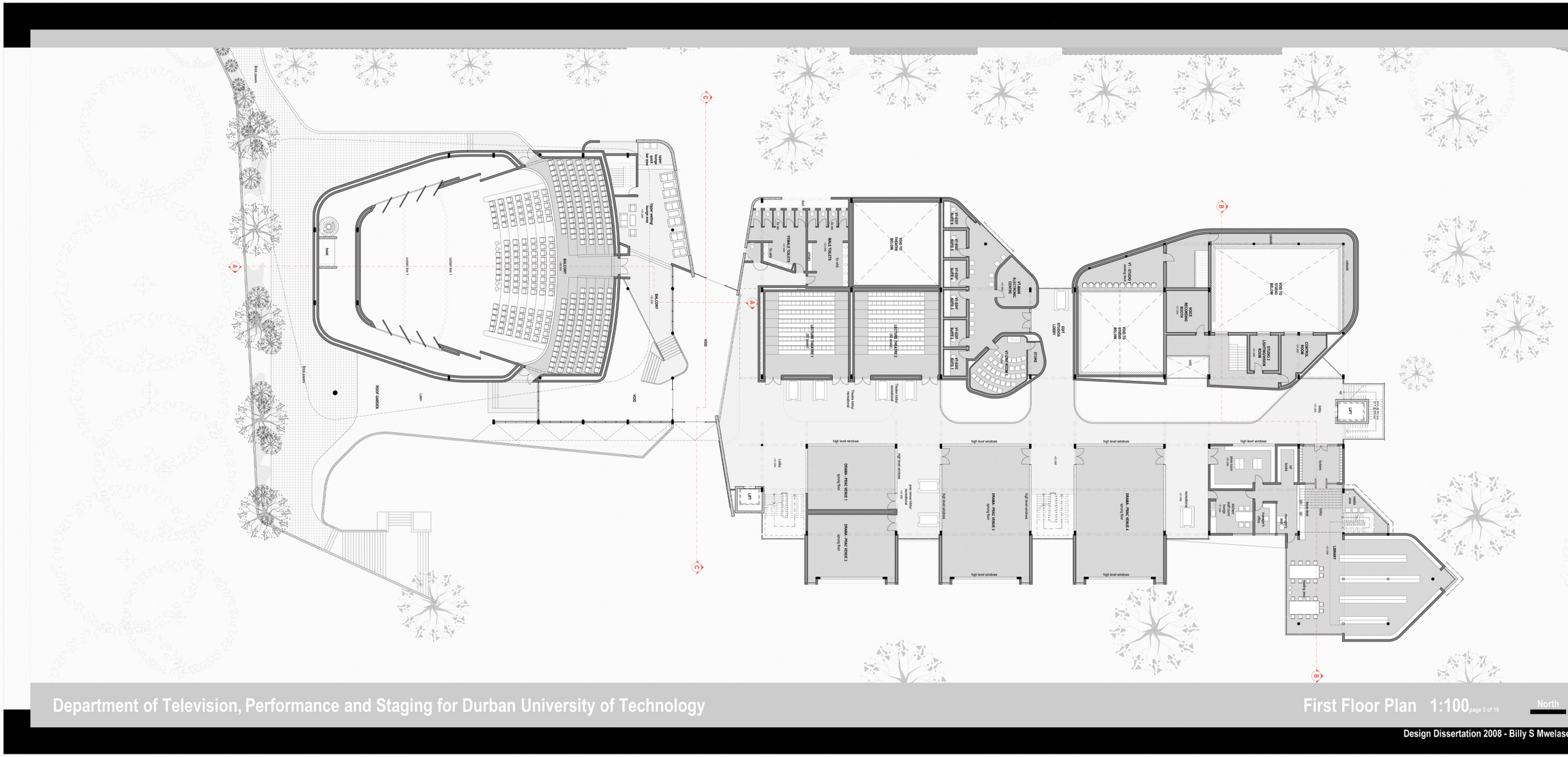
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APPENDIX A – Design Drawings



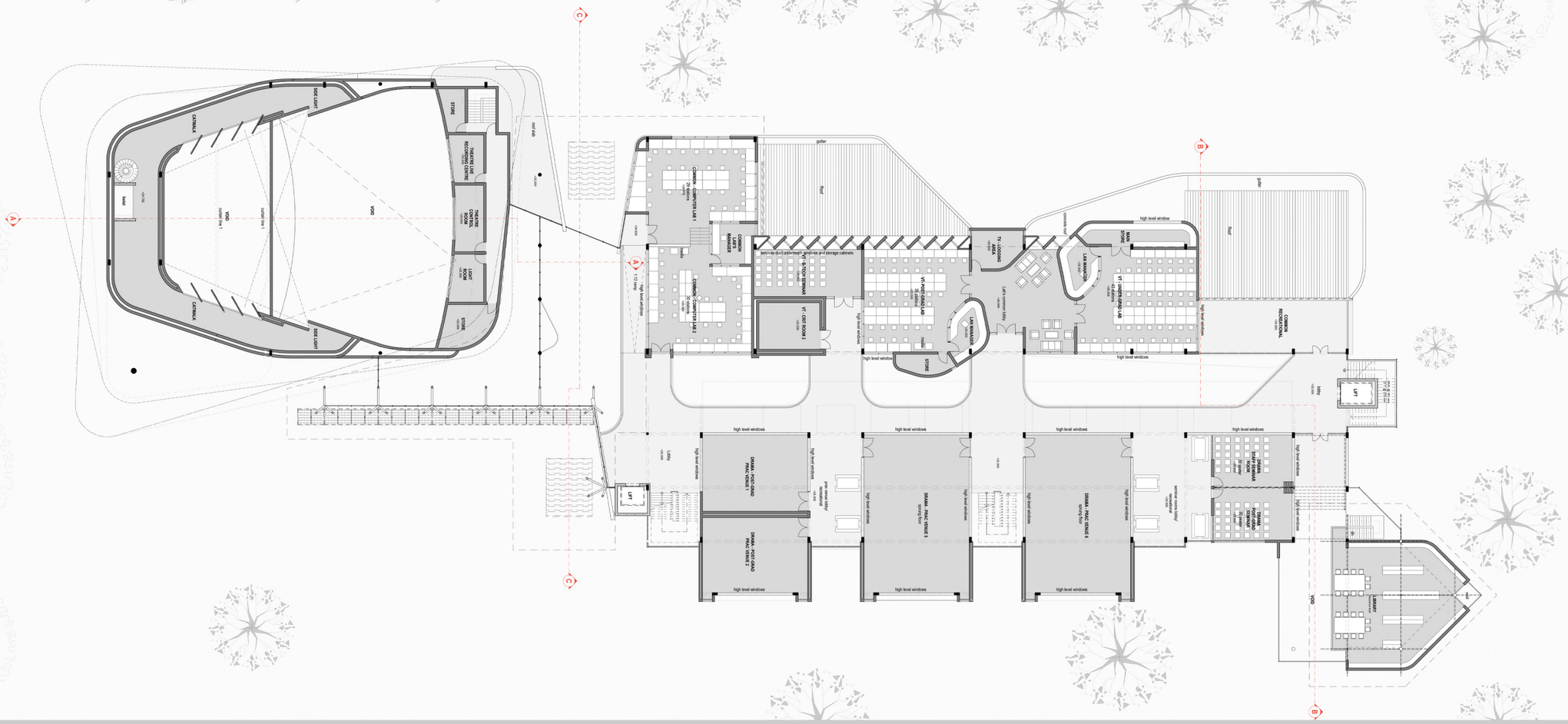
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APPENDIX A – Design Drawings



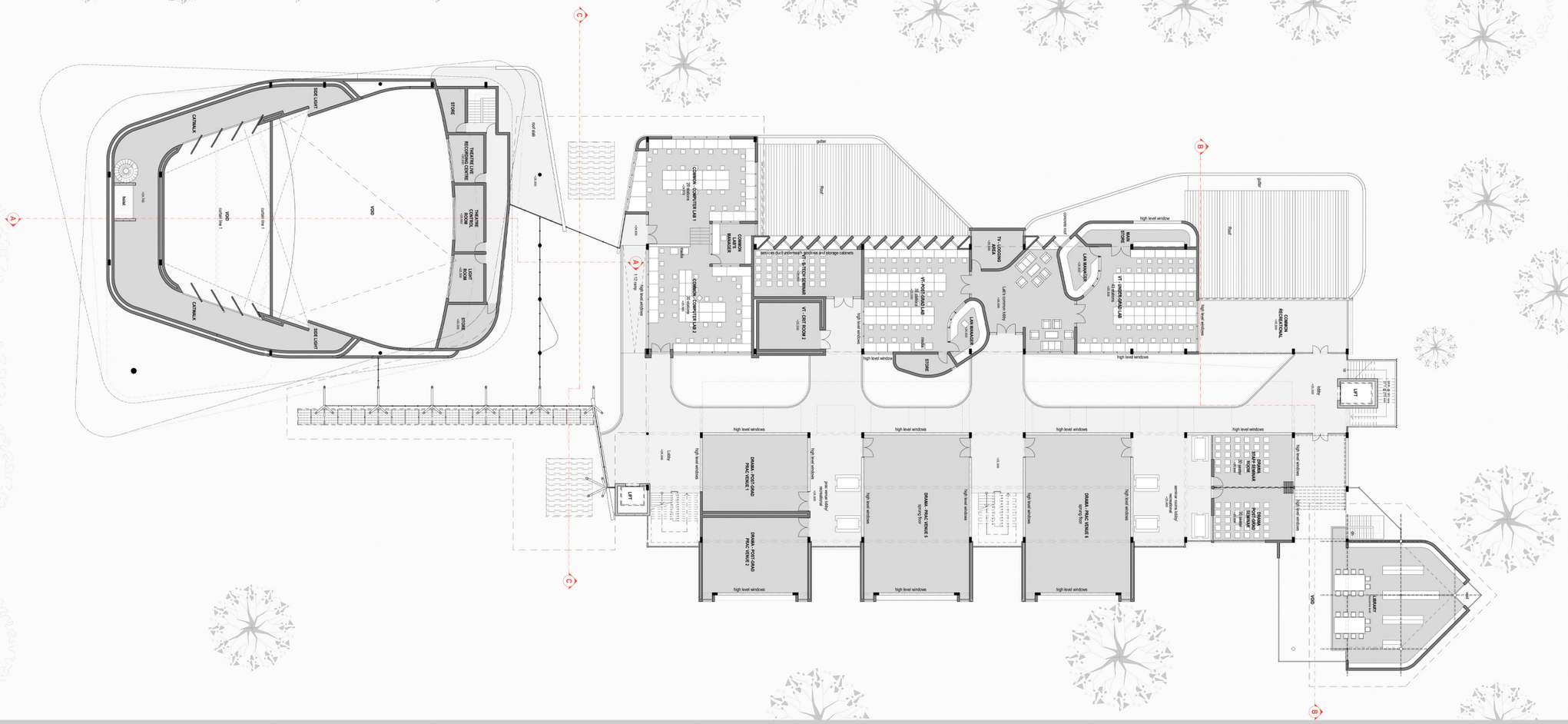
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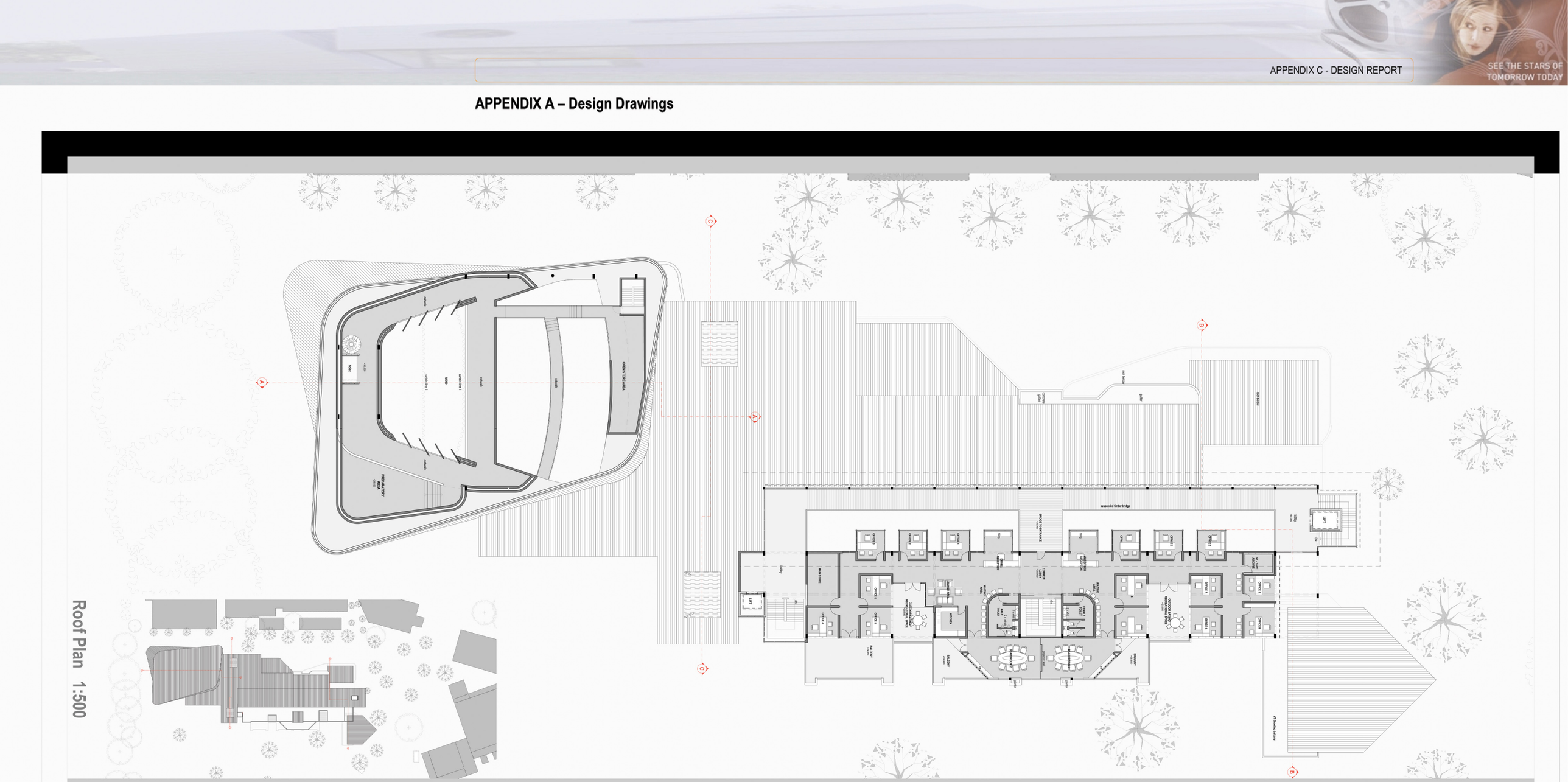
APPENDIX A – Design Drawings


CATWALK
LIGHT LAB 1
VOID
STORE
THEATRE SAT. RECORDING STUDIO
TECH. CONTROL ROOM
LIGHT LAB 2
STORE
LIGHT LAB 3
CATWALK
void
void
gutter
Roof
COMMON COMPUTER LAB 1
COMMON MANAGER
services duct preformed risers and storage cabinets
COMMON COMPUTER LAB 2
VT. DEE ROOM 2
VT. POST-GRAD LAB
LAB MANAGER
STORE
TV LOCKING ROOM
LAB MANAGER
MAIN STORE
VT. UNDERGRAD LAB
COMMON RECREATIONAL
high level window
high level windows
high level windows
high level windows

SEE THE STARS OF TOMORROW TODAY

APPENDIX A – Design Drawings

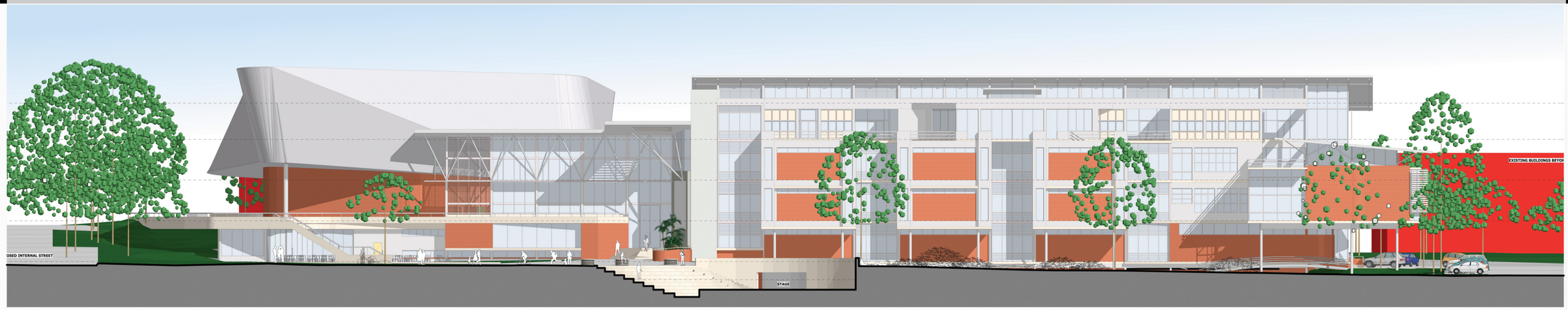

CATWALK
LIGHT LAB 1
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TECH. CONTROL ROOM
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LAB MANAGER
MAIN STORE
VT. UNDERGRAD LAB
COMMON RECREATIONAL
high level window
high level windows
high level windows
high level windows



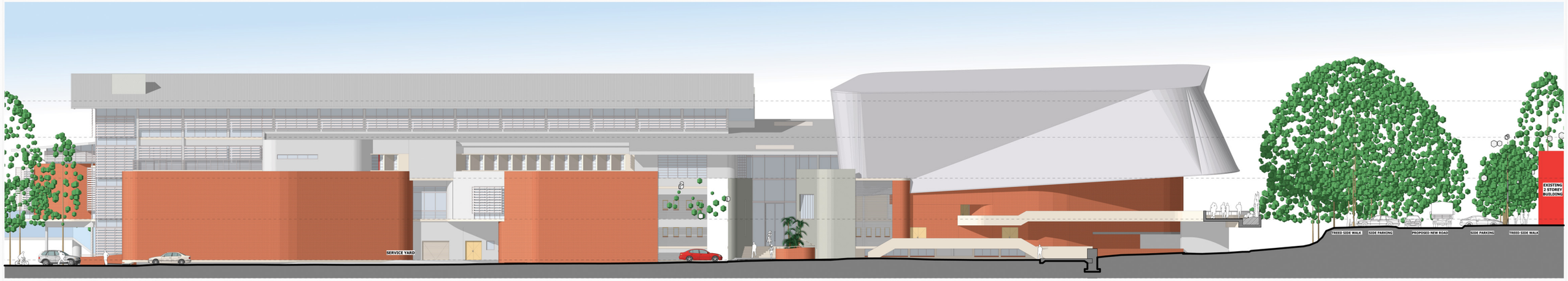
APPENDIX A – Design Drawings

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APPENDIX A – Design Drawings



East Elevation 1:100



West Elevation 1:100

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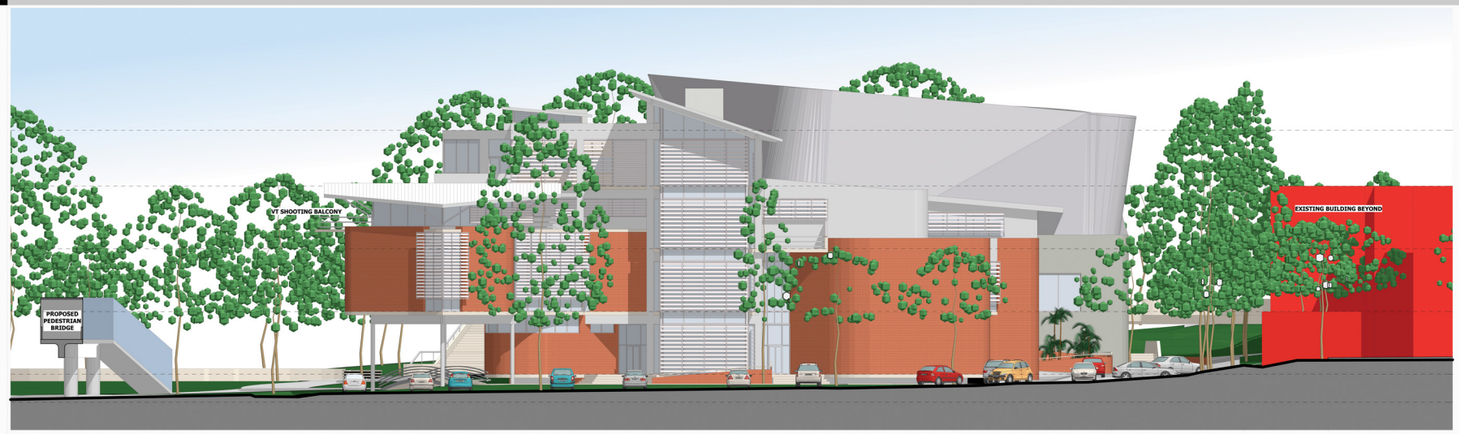
Elevations 1:100 page 8 of 10

North

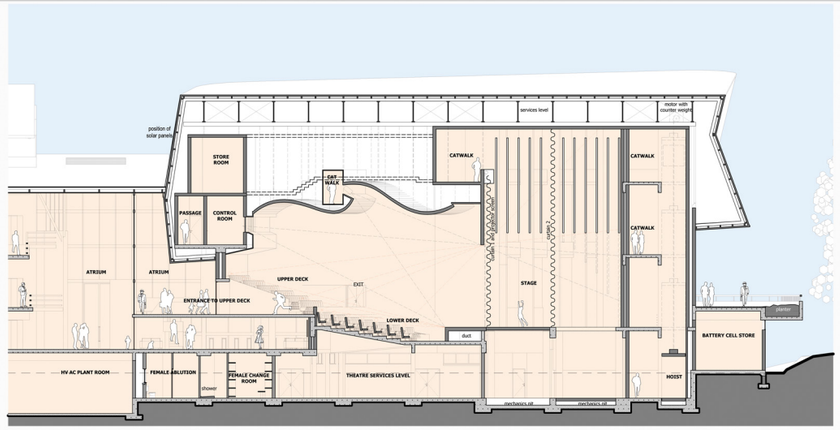
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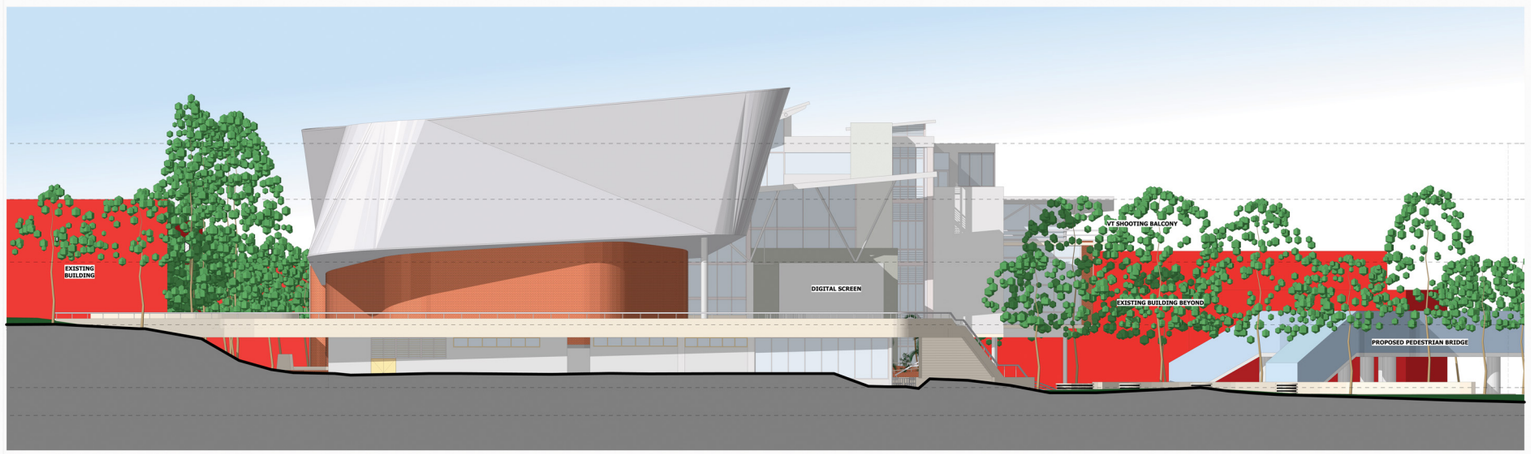
APPENDIX A – Design Drawings



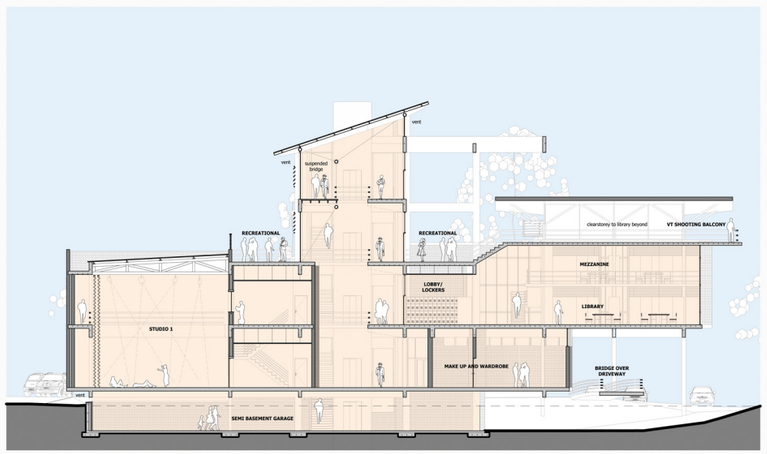
North Elevation 1:100



Section A-A 1:100



South Elevation 1:100



Section B-B 1:100

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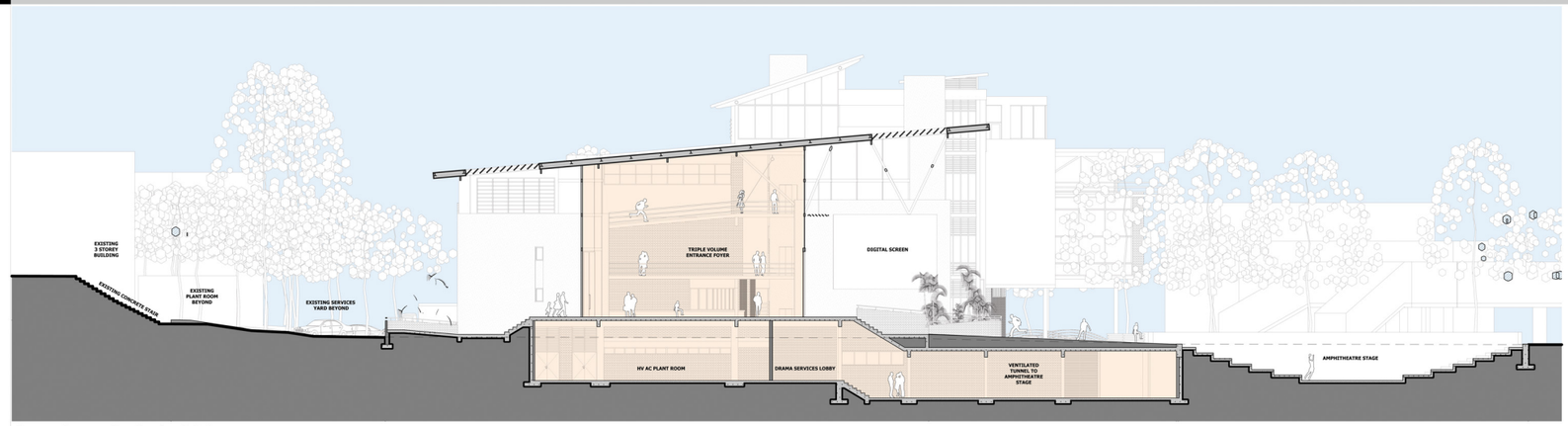
Elevation and Design Sections 1:100 page 9 of 10

North

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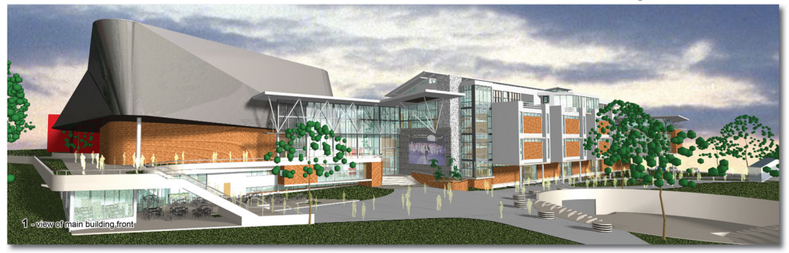
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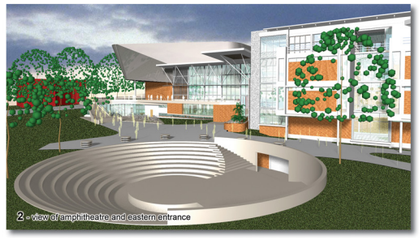
APPENDIX A – Design Drawings



Section C-C 1:100

Conceptual Renders

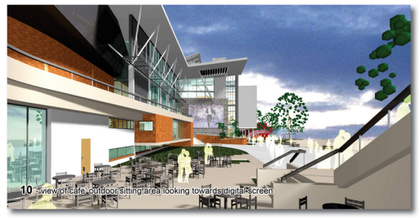

1 - view of main building front


2 - view of amphitheatre and eastern entrance


3 - view of western entrance


6 - view of northern entrance


7 - view of drama theatre interior


10 - view of cafe outdoor sitting area looking towards digital screen

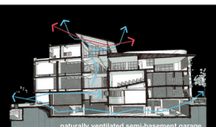

11 - view of drama theatre interior

Mid winter 22 june


winter 9am


winter 12pm


winter 3pm


naturally ventilated semi-basement garage


winter 9am


winter 12pm


shallow floor plate allow for natural cross ventilation


4 - view of CONCOURSE

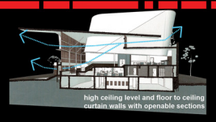

5 - view of services yard and parking area

Mid summer 22 december


summer 9am


summer 12


summer 3pm


high ceiling level and floor to ceiling curtain walls with openable sections


summer 9am


summer 12pm


8 - view of CONCOURSE


9 - view of drama theatre foyer

Environmental Study

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Design Section, Renders and Environmental Study 1:100 page 10 of 10

North

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