

4.1 The Rehabilitative Strategy

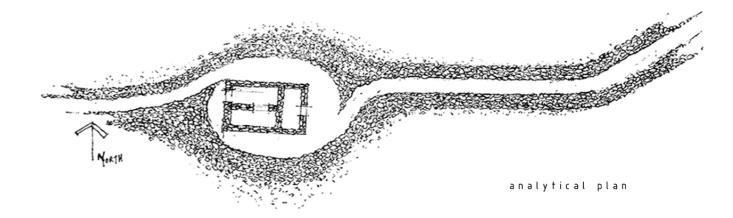
The success of rehabilitation is always subject to time, as it cannot be resolved by a single act. It is highly dependent on the process of healing that deterior to the process of healing that deterior to the success of rehabilitation is always. This is where the language of design comes into play, also referred to as the disruptive design of space and rehabilitation to the success of rehabilitation is always. mines its new state of existence. It is at this point, where the character of architecture is to be adaptable in craftise in great demand of re-establishing ing networks and relationships among itself as the 'peak of the mound'. Conits setting. Where the "being" serves as

a mere expansion and implementation conflicts even among its void, leading of sustainable architecture and design, to the cataclysm on heritage as a means of making a regenerative and restorative product. The translation of object among its setting into a sustainable intervention that would in turn respond to its site and surroundings within its social ecological require-

substance, in order to rehabilitate the ruin. separation of architecture leads to the disregard of the heritage and remains forgotten with a lack of utilization. With time, it embraces cultural and political

Figure 4.2 Opposite: The initial survey of the remnants of Fort Commeline (Author, 2018)











■ 4.2 The Heritage Transformation

It is a well-known fact that due to time, The First Principle: change is inevitable. Yet, in some cases, architecture still neglects to anticipate the process of change as critical element in planning and building on the identity of place. Together referred to the tangible and in this case, the intangible or spiritual.

However, in order to successfully restore the value of the Magazine Hill precinct, it is crucial to first determine the approach towards the design this project will take. To achieve success in this advance, Lebbeus Woods explains the intimate ties and relationships between architecture and violence and bridges as the gap between civic and political entity where he creates a new urban culture and heritage language, uniting

Many of the historic buildings in the existing city are rather restorable. The its civic identity (Woods, 1993).

literature on the rebuilding of the dam- conditions and its privations. Though aged cities (in this case, deteriorat- due to the loss of craftmanship and ading structures)—many of which were vancement of technology, it is hereby severely damaged—and even less anticipated to use the vernacular and to about the actual concepts that guided their reconstruction. Following with his sent the former. Pamphlet 15, Woods identifies two predominant principles for rebuilding cities following catastrophic obliteration:

To restore what has been lost to its former condition. Where the aim is to restore the 'normalcy', where the normal would be considered as the restorative response due to the former deconstruction.

The Second Principle:

To demolish the damaged or ruined architecture. Crafting the new from the former. Where it is regarded as the 'new' would be the rehabilitative response. A radical change from what existed before, or only a restructured form of the former.

reality is that finances of the city and remaining institutions, have been de-According to Woods, there is limited pleted because of the current political

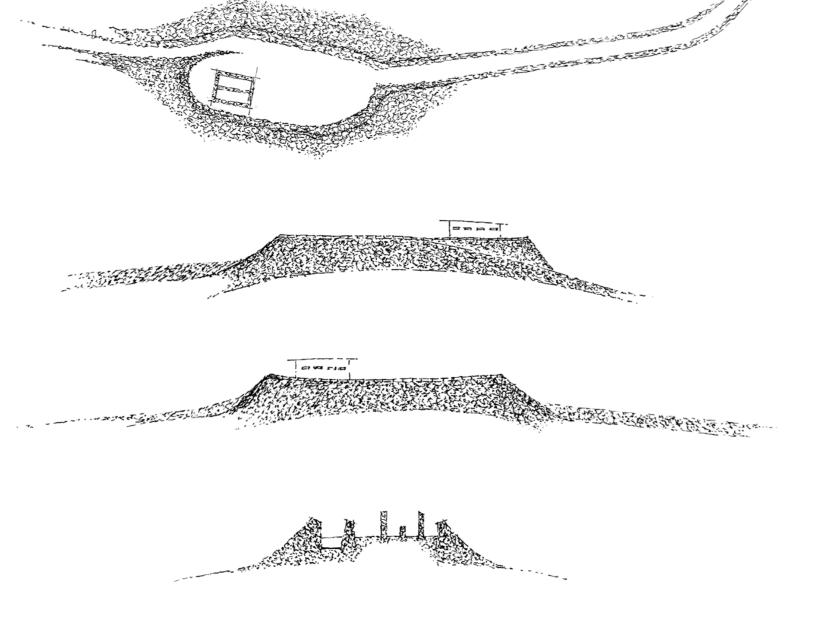


Figure 4.3 Above: The conceptual and analytical survey of the ruins of Fort Commeline with reference to its topography (Author, 2018)

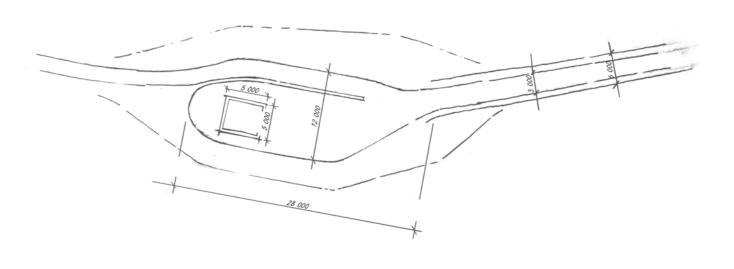


Figure 4.4 Above: The conceptual design approach to retore the ruins of Fort Commeline with reference to the initial survey (Author, 2018)

respecting the heritage

contrast between

'old and new'

experiential narrative



4.3 Design Concept

The purpose of this intervention is to re-establish the relationship between the historical built fabric and cultural landscape that transforms through the progression of time. Where amidst this matter among the site, it would be agreed as transitional space, forming a series of thresholds knitting the old and the new.

Ideally the design focuses on the four theories, previously identified in "A Theoretical approach to Architecture", as illustrated in Chapter Three, where the theory of architecture would be identified as experiential drive throughout the site. Referring to the "being" as the fundamental metaphor of character as a requirement, in order to craft architecture.

The old built fabric and rather proposed rehabilitated vernacular of the site essentially enables innovative ways and ideas of organic craftmanship. It is therefore proposed as an approach to adaptive re-use and rehabilitation of the existing. Following this statement, that from the theory in Chapter Three, the key informants would be established that were utilised to guide the conceptual design exploration.

These informants would include the contextual approach, the theoretical approach and the architectural approach. The intended outcome of these characteristics, provides the guidance of design decisions, conceptual iterations as well as the intended architectural language that was conveyed throughout the site.

The design process and exploration will be discussed as architectural response to the informants and the conceptual vision. Following, these six aspects will be discussed.





4.3.1 Contextual Approach

4.3.2 The Theoretical Approach

4.3.3 The Architectural Approach

mainly focused on the contextual approach. It is understood in the context The design is therefore approached as a practical reflection to that of the were considered of the design, are as is thus: follows:

- The notion of understanding the context and reflecting on ruin as substance to craft from. Realising the heritage and contextual worth of what has decayed but restores the heritage by the approach of the vernacular. As referred to by Wang Shu utilising 'free design' and proposed as an incongruous ensemble of the new architecture, ideally crafting a single vital substance. (Shu, 2006: 1-22).
- Contrasting the ruin from the landscape it was birth unto and intentionally emphasising the former divisional structures. Conceptually mediating the existing envelope with the new.
- The conceptual intention thereof would be to craft a relation between the three built fabric envelopes, the fortification, Radio technical unit and the new Historical Performance Centre (theatre) that would narrate and exhibit the heritage and stories of Magazine Hill.

of generating architecture. Reflecting the theory in Chapter 3, it recognises vernacular, the theoretical approach tural response is thus: transposes itself as the reclaiming of context, such as utilising contour lines, matter and subjectively crafts transietc. The contextual characteristics that tional space. The theoretical response

- Understanding architecture as tool of mediation. Retaining cultural significance by manner of the narration as anticipation, advent and accent through the landscape.
- To craft architecture that responds to the existing narrated landscape, while respecting the existing architectural heritage.
- Introducing the segregation of architecture from the existing typology. Respecting and preserving the heritage and cultural value by retaining scale of the fortification.
- Attempts to create continuity among the existing envelop. But would disrupt and intrude the existing built fabric, previously segregated due to the continuum of time.

As a rehabilitative and conservational The theoretical heritage approach is The main aim of this project is to restrategy, the design is primarily and summarised as a spatial interpretation habilitate and protect the heritage significance and future value of Fort Commeline. The architectural intention of this site, that due to the current state, the user as an entity in crafting architectherefore aims at restoring the built fabit would be impossible to replace the ture. From the theory of invisible space, ric, in order to secure the narrative that old built fabric to its original condition. disruptive design and the rehabilitative lies among Magazine hill. The architec-

> both tangible and intangible qualities of the site's heritage. Intently mediating the existing with the new. Though the conceptual approach might be extreme, cutting through the earth and permanently fixing the structure to the origin of the narrative, the response would be subtle. As it is intended for a balance between earth

To craft a new architectural language

that would contrast the historical foot-

print and that could clearly distinguish

the old from the new. Ideally creating

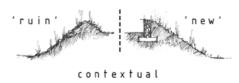
a continuous intersection of space

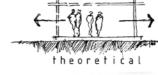
throughout the site that would display

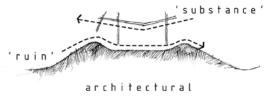
Create the milieu that would attract the being that conveys the architecture (as discussed in the theory of Chapter Three), that would attend, experience and convey the narrative.

convey as temporary architecture.

and structure, the new is proposed to







147

Figure 4.6 Drawings illustrating the defining of the contextual, theoretical and architectural approach (Author, 2018)

CONCEPT & DESIGN DEVELOPMENT 146 © University of Pretoria FORT COMMELINE - FROM RUINS TO SUBSTANCE AN UNTOLD NARRATIVE OF MAGAZINE HILL

4.4 Experiencing the site

The following programmatic require- 4.4.1 Spatial Intentions ments are specified as the ideology of the proposed scheme for the Historical Performance Centre. It subsequently, responds as purpose of advent and accent through the site and reflects on the intended visitors of Magazine Hill, each with their own poetic intentions or activity.

The main route entering the site from the east (John Keevy drive) would therefore be identified as the semi-private parking space and would also act as a point of dispersal to the rest of the site. Where it is amended as main advent to arrive at the southern foot of the hill and intended for the theatre to be publicly accessed via funicular. From this point, the visitors might take the meandering walk through the landscape leading from the rehearsal studios, theatre and fort to the west, or alternatively access the offices and student residences to the east.

The main anticipation or chaperon of the site is guided by the old access routes, either the current access roads or old trench stone walls that becomes a pilgrim walk which narrates the history of Magazine Hill. In addition, it is 4.4.2 The Fort proposed that on these routes, visitors would encounter different thresholds that would inform and draw their attention to the surrounding built heritage and landscape.

At the same time the aim of these routes is to emphasize on the existing heritage and narrative of the hill, which is regarded as being royal heritage. Introducing the South African narrative birthed into the landscape of Magazine Hill, where spaces are publicly anticipated, and the poetry of architecture would be fixed to

Ideally this scheme intends to project the poetry of narration and art that was informed by the precinct's past. Serving as a reminder and informant of the history that this hill conveys. It poses to induce the natural interaction of structure and 'being' serving as a necessity of giving character as a requirement, to craft architecture. This is where the Historical Performance Centre is introduced as mediator of the context.

As the fort was previously disregarded in 1965, cutting it off from the main existing route, it was proposed that the new theatre would merge the ruins with the existing structure. This permits the direct interference among the existing envelope of the hill and conveys the narrative as a progression throughout the site, utilising the former heritage fabric as elements of intersession as the reliant of spatial intersection.

It is hereby stated that the architectural intention is to restore the identity of the former Fort Commeline, through the reinterpretation of the rehabilitated vernacular drawn from the landscape.

It is intended in this project that Fort Commeline would be re-established as the reign of the hill, being the main platform of the project. However, as it is situated at the top of the hill, it is not easily accessible and relies solely on the anticipation of accent throughout the site and would only be accessed by the trench footpaths. As a poetic response it is ideal to keep this structure as simplistic as possible. The proposed program of this intervention would serve as look-out point, exhibition space, muse-

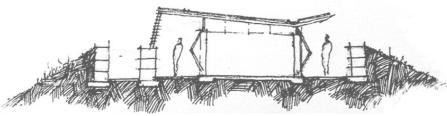
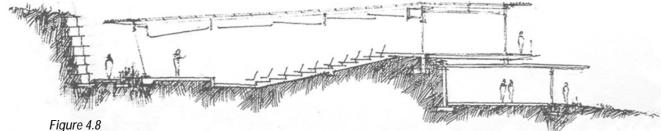


Figure 4.7 Fort Commeline platform concept (Author, 2018)



Historical Performance Centre theatre concept (Author, 2018) CONCEPT & DESIGN DEVELOPMENT









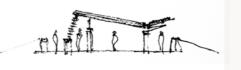


Figure 4.9 Drawings illustrating the design development of Fort Commeline (Author, 2018)

4.4.3 The Memory Wall

As stated in the above spatial Intentions, access to the site relies on the intersession of space. It is therefore proposed that the old fort camp would serve as platform of the new memory wall. This intervention would serve as mediator between the fort and the existing defect centre north of the hill, where the former explosion occurred in 1945.

4.4.4 The Performance Centre

With the proposed performance centre serving as the mediator of the site's historical narrative, the purpose of this intention is to serve as bridge between the old and new. Being a poetic space, it would also be important that this space conveys the poetry architecturally as well. Thus, intention is to serve as platform articulating the relation between the architecture and the earth that birthed the narrative. As a poetic response it is proposed to fix this structure among its heritage envelope, conveying the poetry of elements such as water, light and shadows. The proposed program of this space would serve as theatre, rehearsal studios, foyer, and cafe.

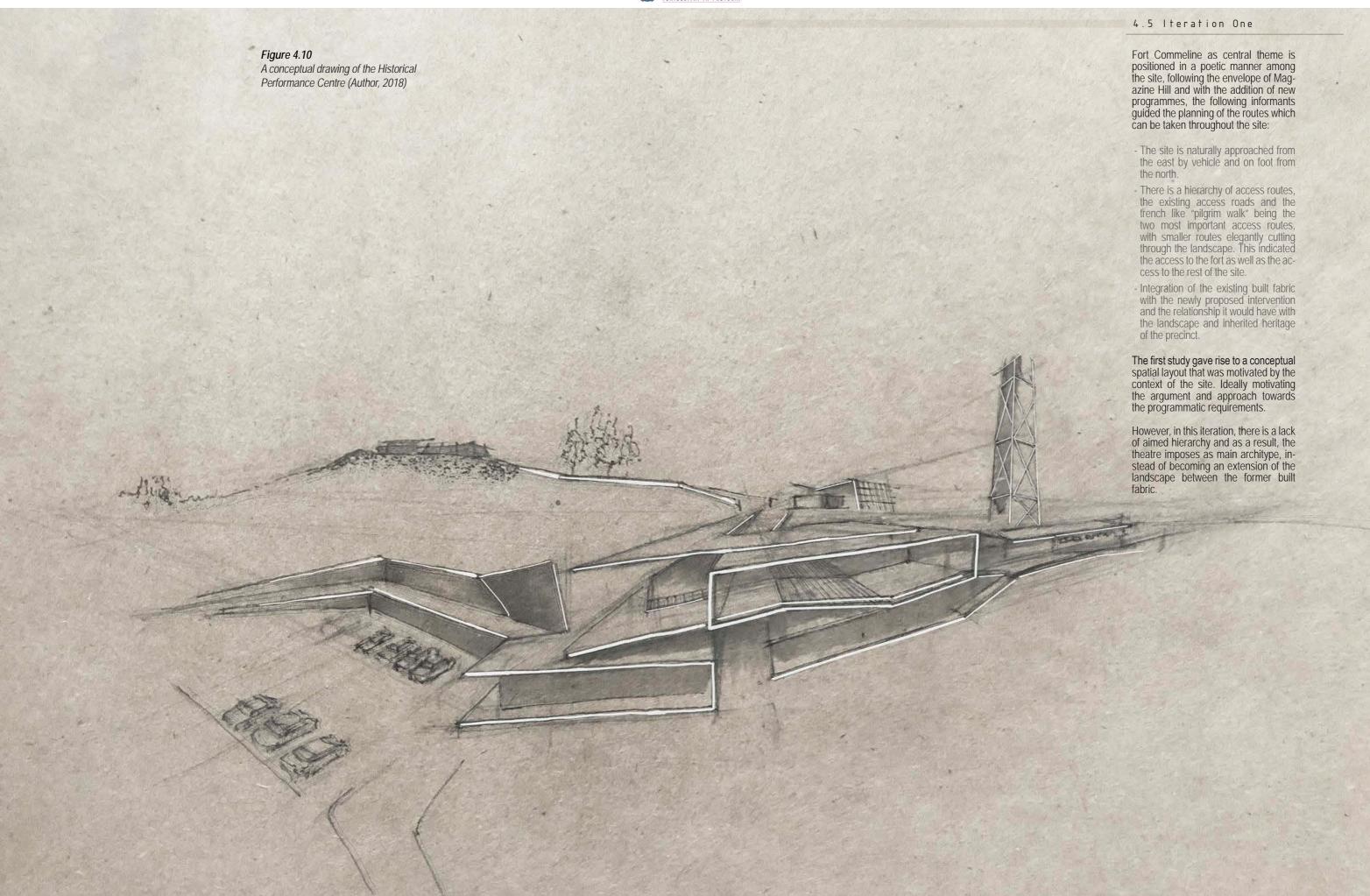
4.4.5 The Radio Technical Unit

It is intended that the existing SAPS Radio Technical Unit together with the former staff residence to the north. would serve as the new performance school and student accommodation that would be appropriated accordingly. It would serve as the semi-private and private envelope of the site where it would be presented as the educative response to the historical narrative. The proposed program of this space would serve as educative platform, communication centre, light tower, performance school studios, offices and parking.

4.4.6 The Funicular

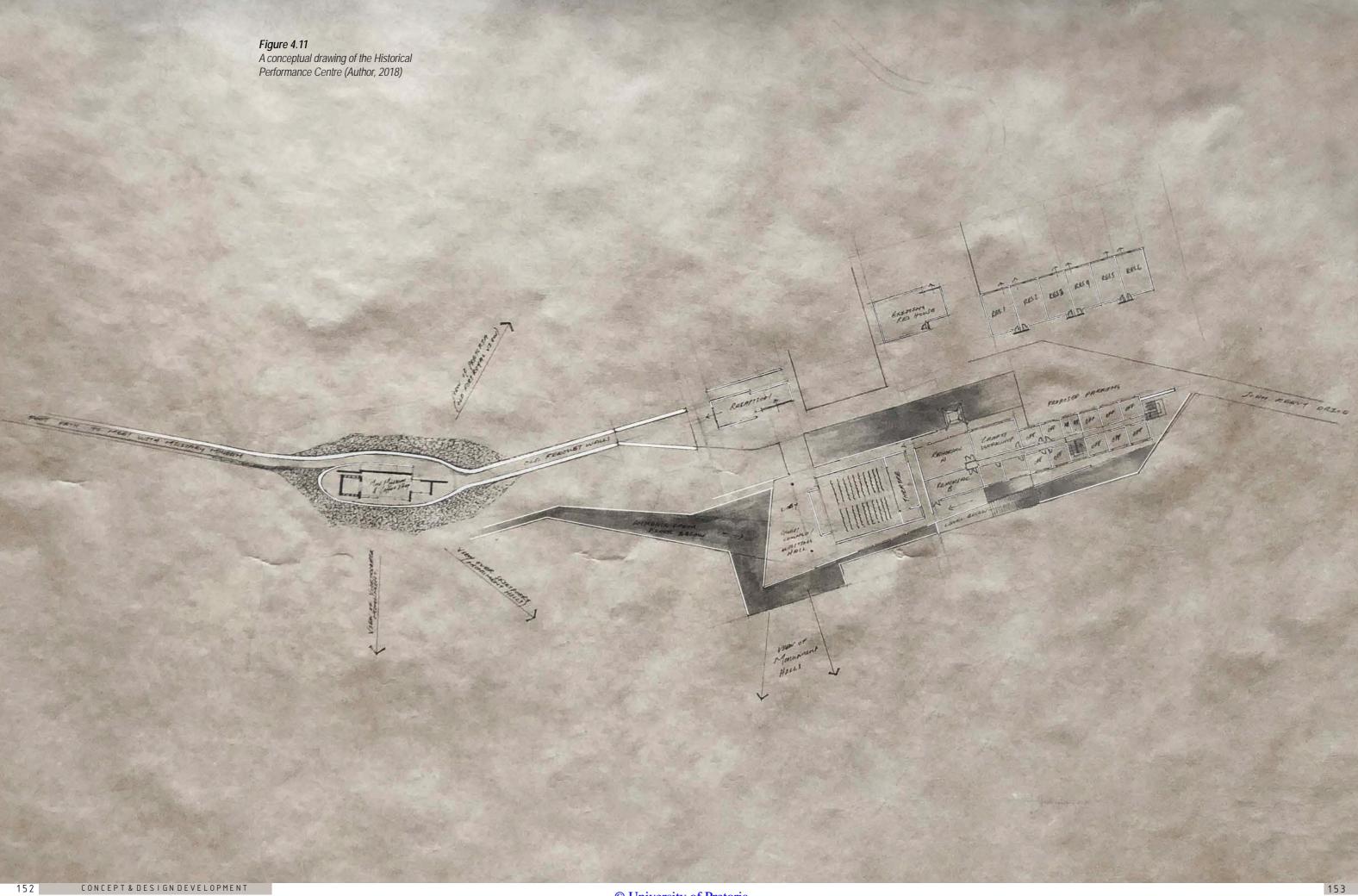
As the site is limited in terms of access to the top of the hill, it was proposed that the process of reaching the precinct by foot would be reflected by the gradual accent of a funicular (grounded cable car), making the hill accessible from the north as well as from the southern 'Skietpoort'.





© University of Pretoria





FORT COMMELINE - FROM RUINS TO SUBSTANCE

AN UNTOLD NARRATIVE OF MAGAZINE HILL
UNIVERSITEIT VAN PRETORIA
UNIVERSITEIT VAN PRETORIA
UNIVERSITEIT VAN PRETORIA
UNIVERSITEIT VAN PRETORIA

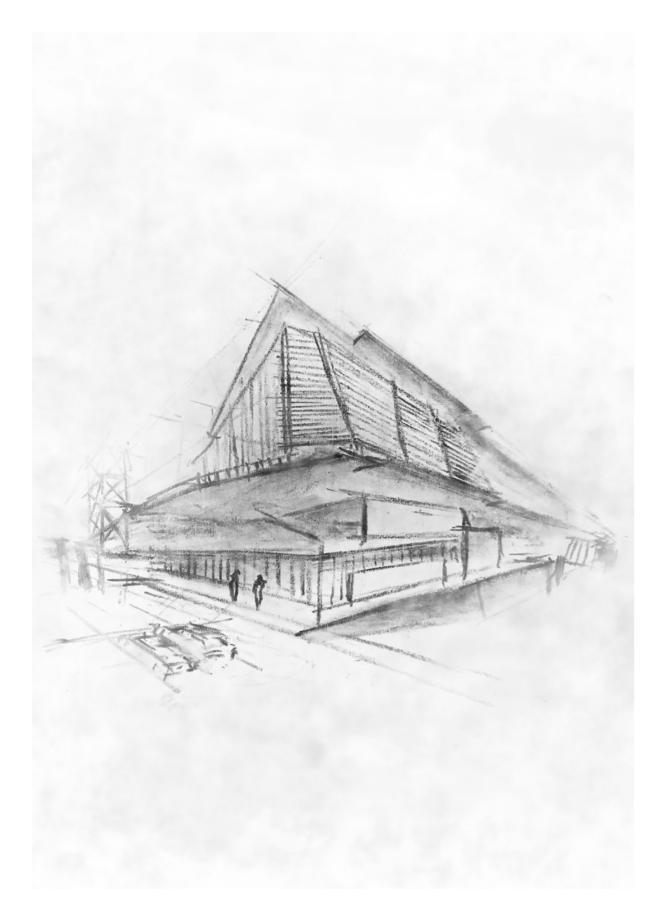


Figure 4.12 A conceptual drawing of the Historical Performance Centre (Author, 2018)

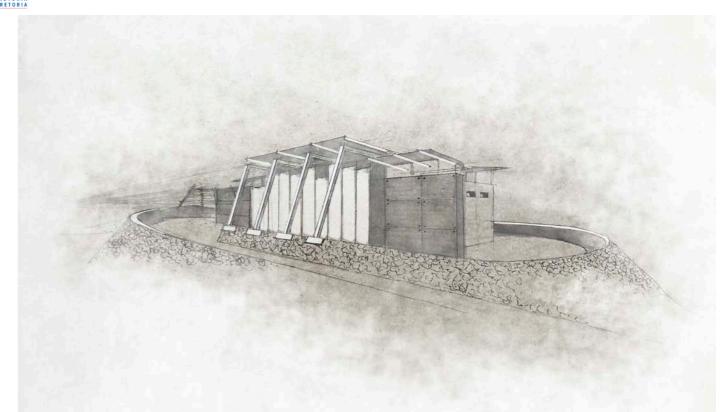
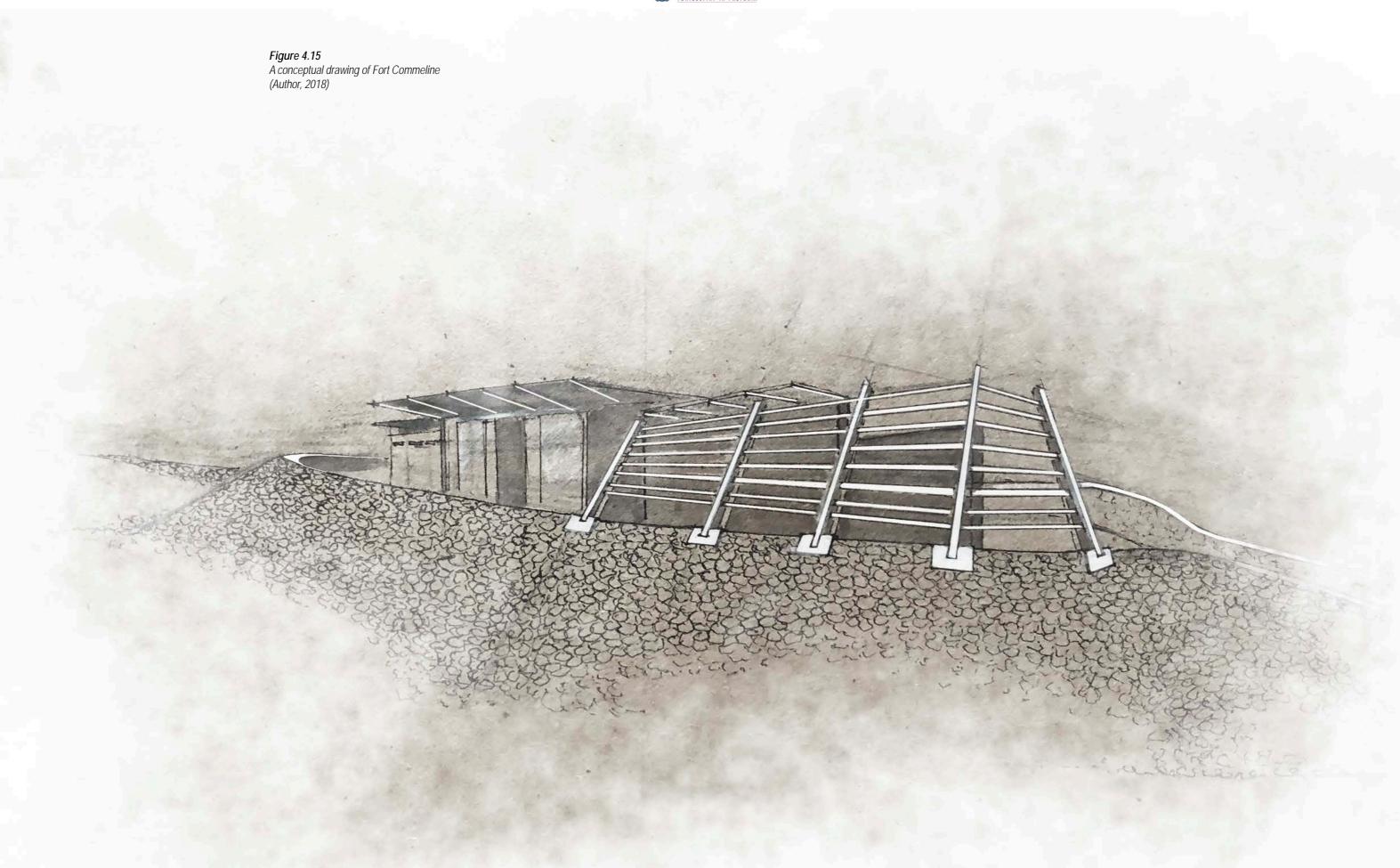


Figure 4.13
A conceptual drawing of Fort Commeline (Author, 2018)



Figure 4.14
The conceptual approach towards the communication tower (Author, 2018)





FORT COMMELINE - FROM RUINS TO SUBSTANCE AN UNTOLD NARRATIVE OF MAGAZINE HILL

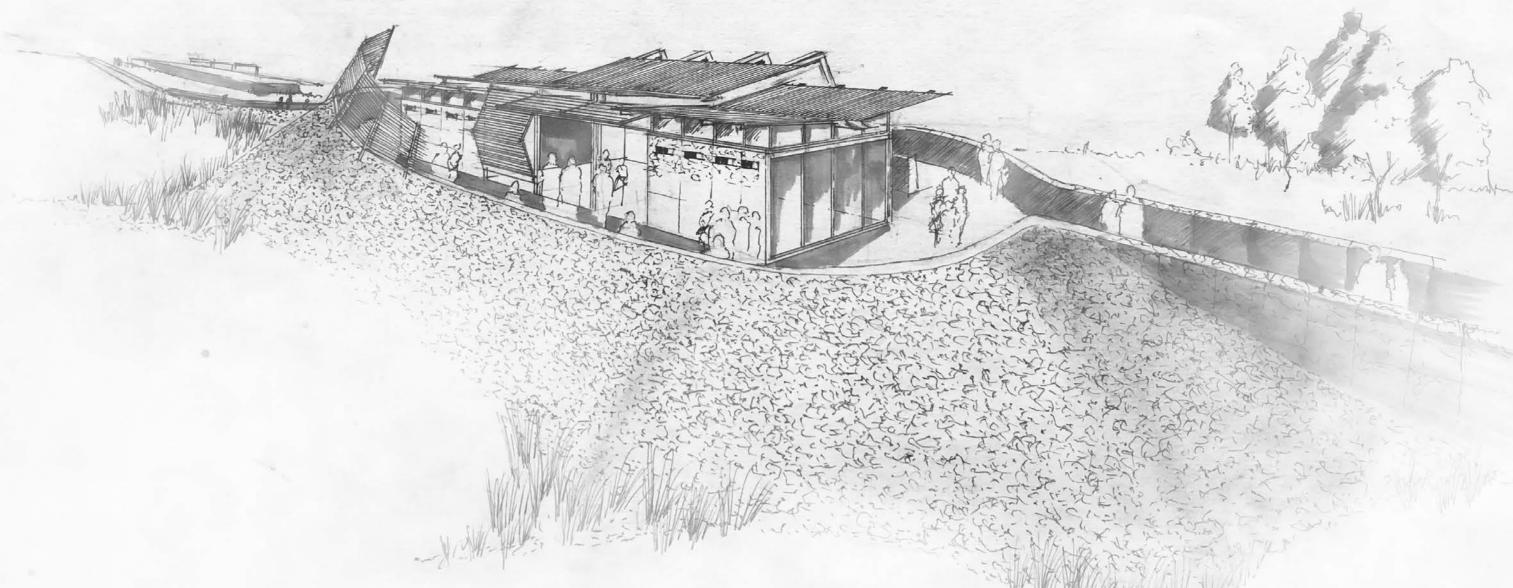


Figure 4.16 A conceptual drawing of Fort Commeline (Author, 2018)

4.6 Iteration Two

This iteration served as a layered conceptual response to the first iteration. With this exploration it was apparent that the response as architectural vision was idealised. The circulation throughout the site was recognised and carefully identified as detailed nodes throughout the progression of the precinct.

The aim of this iteration was to reflect on the existing fortification as pedestal and intercession of the scheme. The stone trench walls throughout the site was identified serving as sculptural element and heritage fabric serving as chaperon for the anticipated architectural intercessions of the new interventions. Where it was identified that these former routes would guide the visitor throughout the site, serving as hierarchy of the narrative.



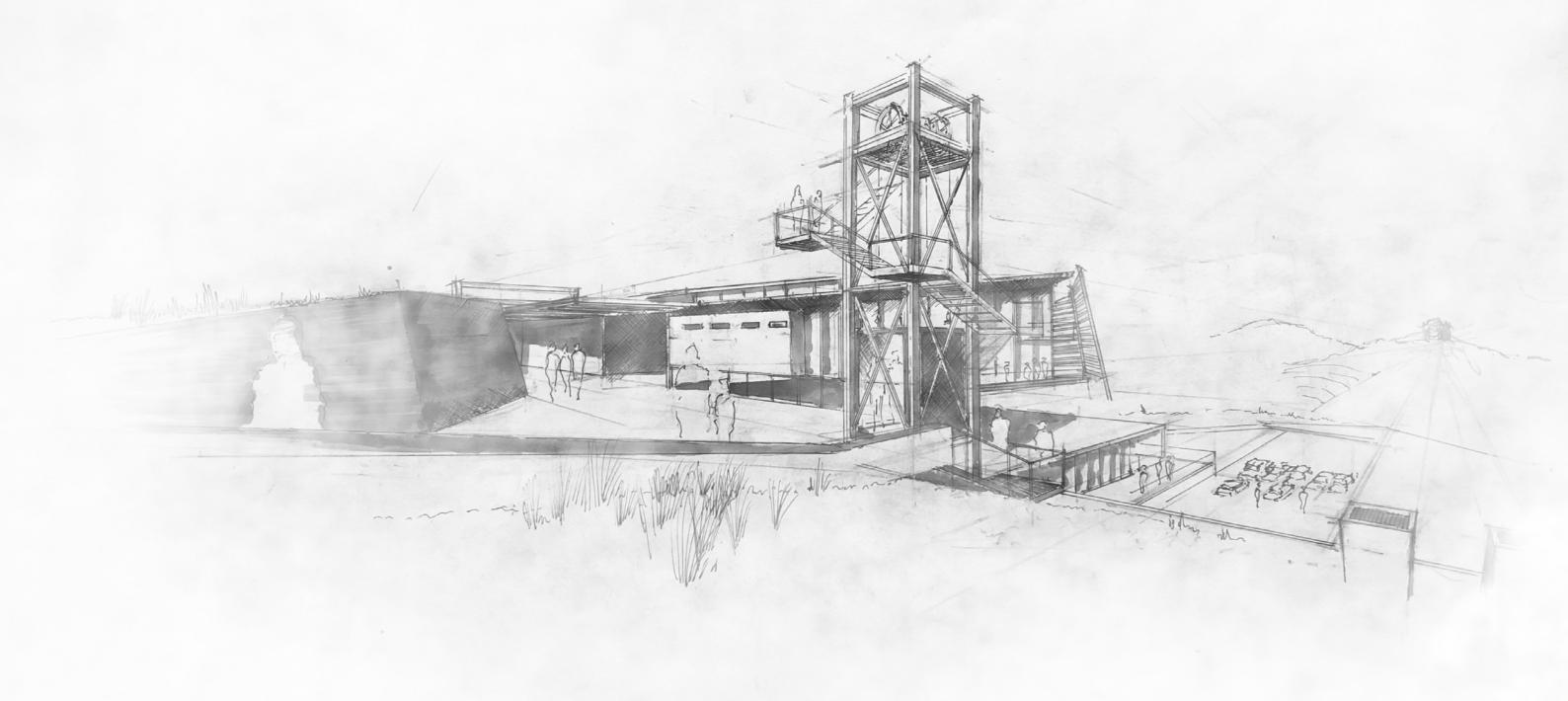




FORT COMMELINE - FROM RUINS TO SUBSTANCE AN UNTOLD NARRATIVE OF MAGAZINE HILL



Figure 4.18
A conceptual drawing of the Historical
Performance Centre (Author, 2018)





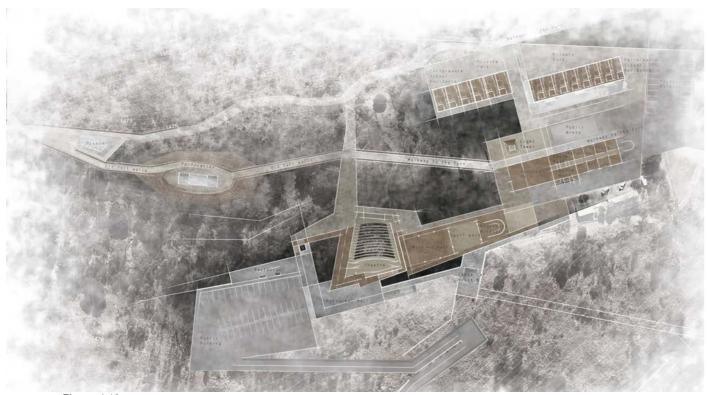


Figure 4.19
The First Floor Plan of the Second
Design iteration (Author, 2018)

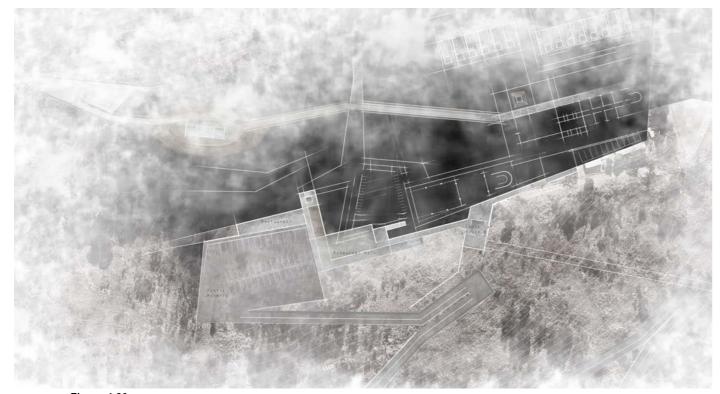


Figure 4.20
The Ground Floor Plan of the Second
Design iteration (Author, 2018)

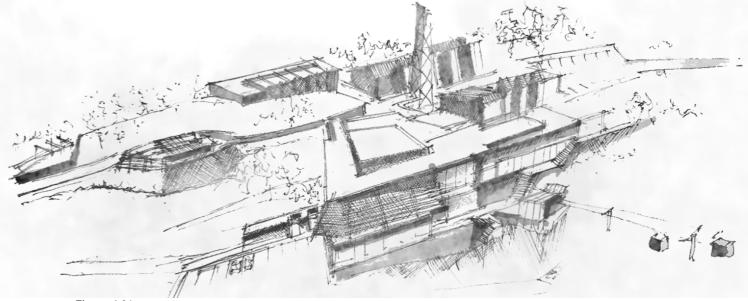


Figure 4.21
A conceptual drawing of the Historical
Performance Centre (Author, 2018)

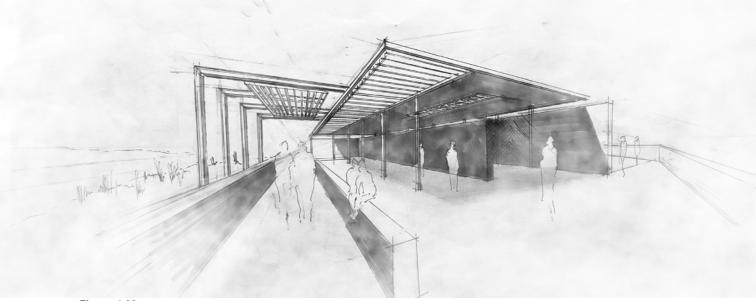
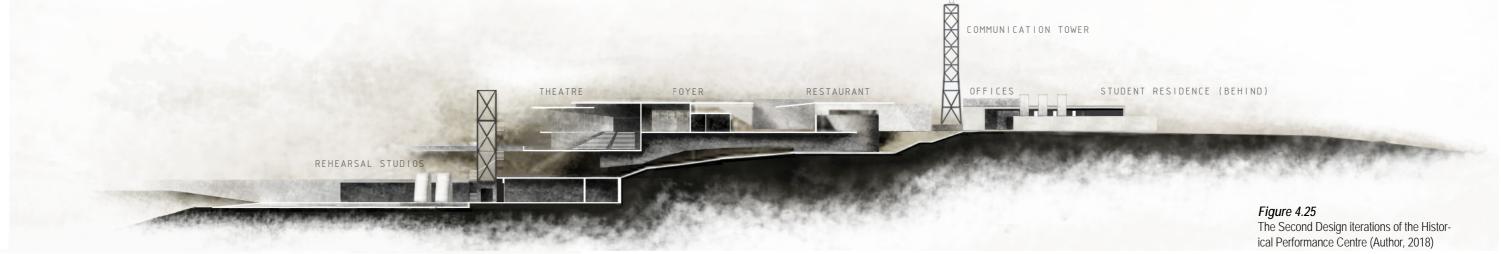


Figure 4.22
A conceptual drawing of the Memory wall (Author, 2018)

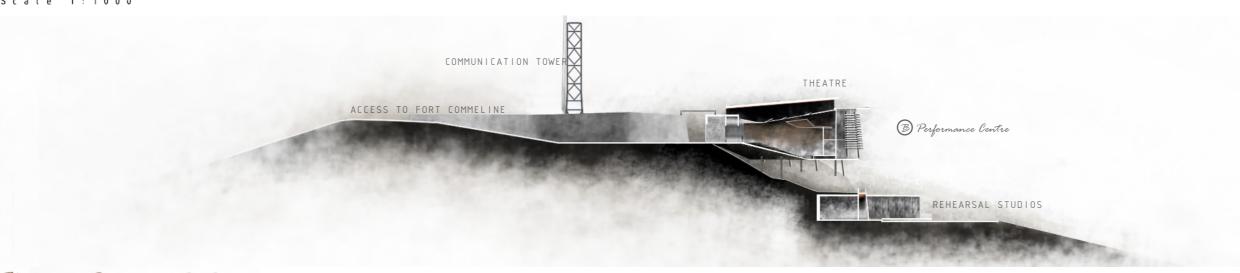












Theatre Section B-B Scale 1:1000



Figure 4.26

(Author, 2018)

The Second Design iterations of the Historical Performance Centre



Figure 4.29

The third design iterations of Fort Commeline (Author, 2018)

4.7 Iteration Three

The desired response among the hill's envelope is achieved as a poetic and graceful, yet dramatic interception in the landscape. However, it was found that the posture and response to the theatre should be better integrated within the landscape due to the existing typology of the site that had not been fully realized in iteration two.

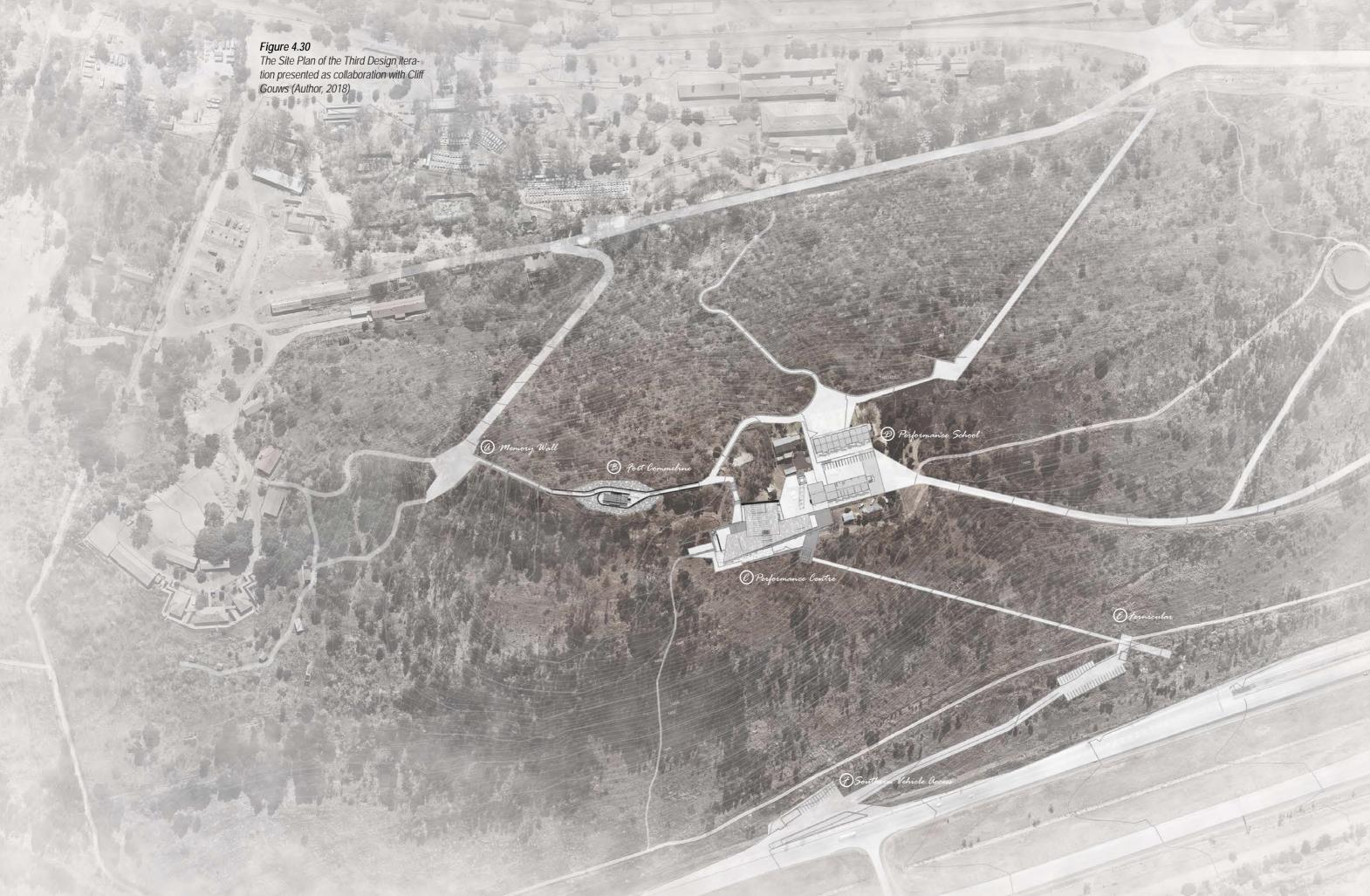
In this iteration the intent was however to draw the visitor into the landscape. Poetically fixing the structure within the landscape that birthed the narrative.

This is achieved by deliberately cutting into the south of the hill, emphasising the former fortification orientation of the 'Skietpoort' as well as the bridge between the old and new. Primarily, ensuring the circulation throughout the heritage fabric of the site, but then drawing the user out into the landscape through the footpaths and the programmatic experiences.

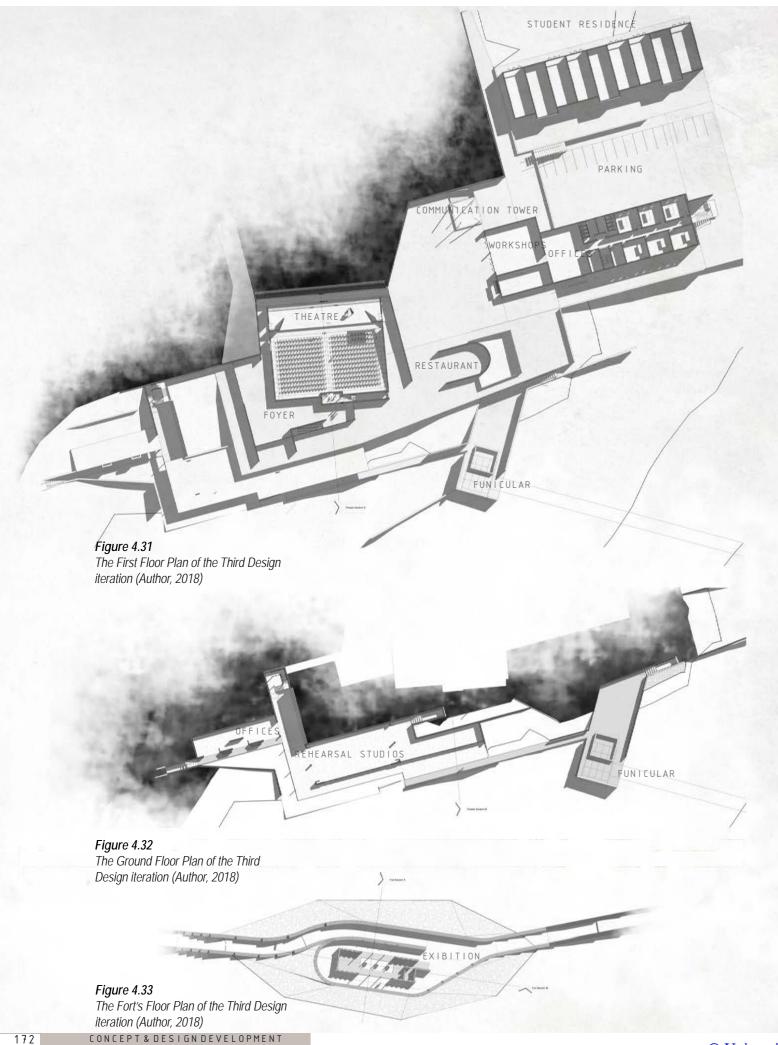


© University of Pretoria









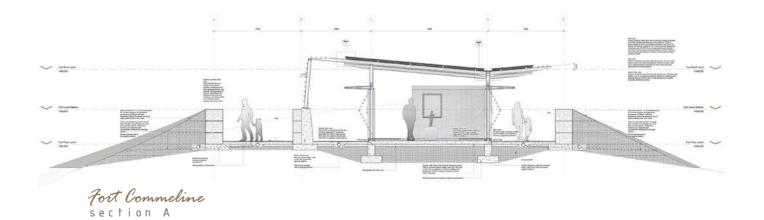


Figure 4.34 The main detail of the Fort (Author, 2018)

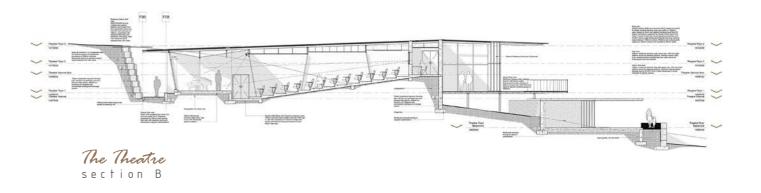


Figure 4.35 The main detail of the Theatre (Author, 2018)

172