



HYBRID LEARNING CENTRES

DESIGN BRIEFING
2021



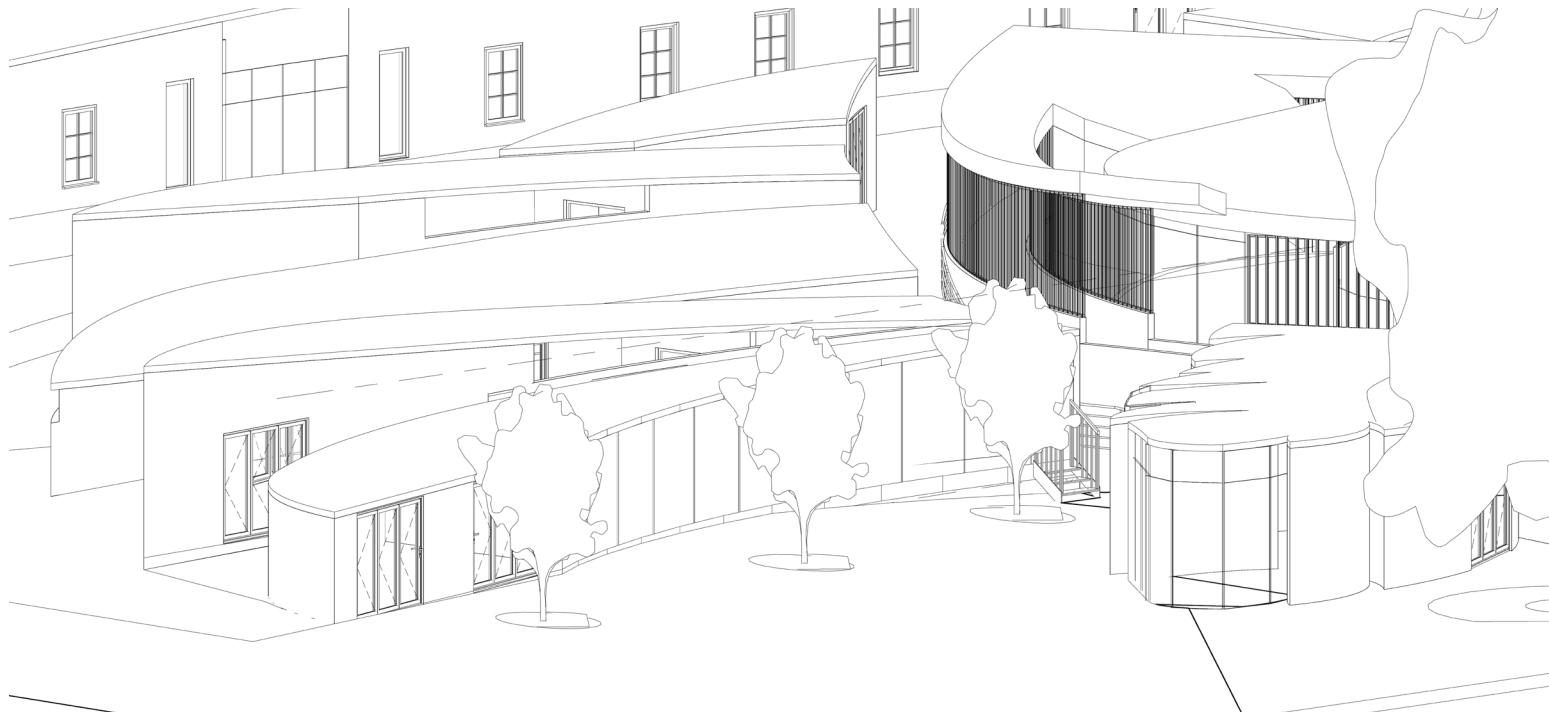


PHOTO BY: NATALIE MATANDA

PREFACE

This document has been prepared by Natalie Matanda on behalf of WRBLO. This document is intended to present the concept design proposals following the initial design discussions of the project. These drawings have been carefully composed in response to the research of similar projects. Note, the concepts are indicative and will undergo several iterations until such has been approved by WRBLO.

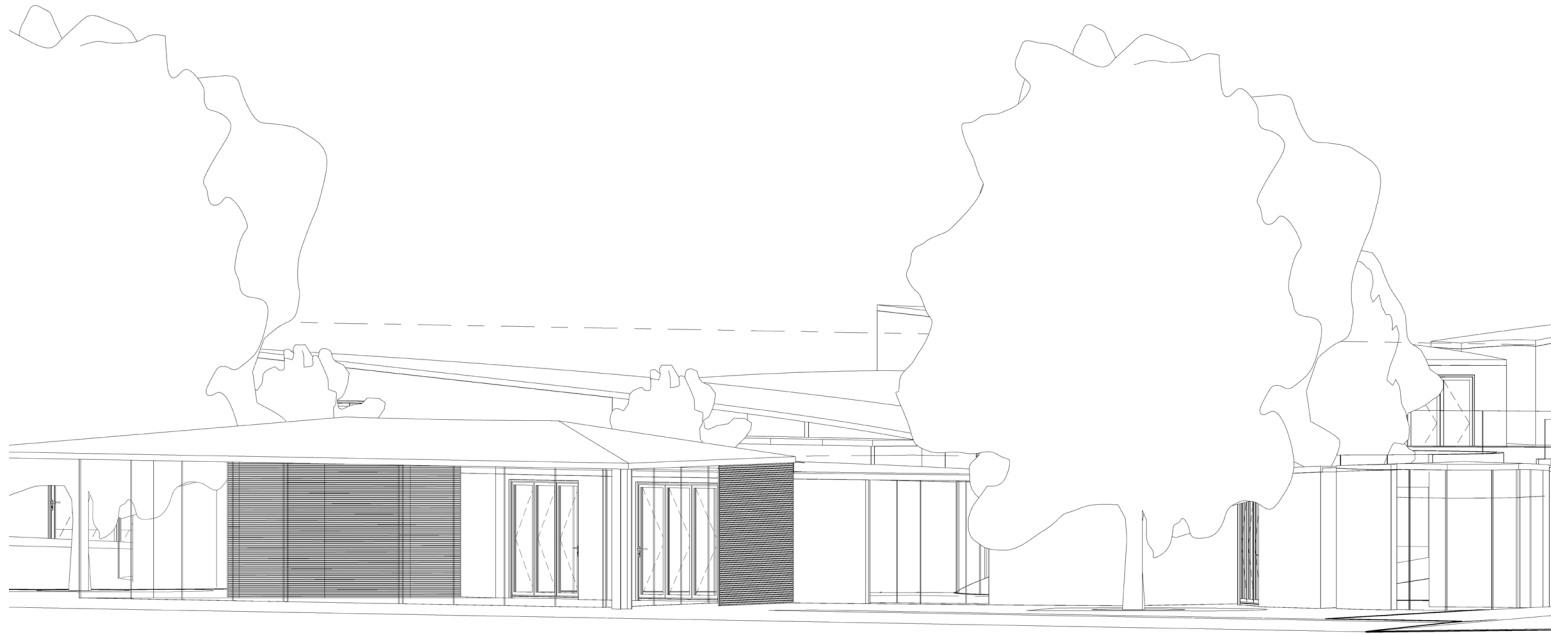


PHOTO BY: NATALIE MATANDA

STRATEGIC BRIEF

The project will be designed to accommodate the brief instructed by WRBLO. The project will result in the design and construction of several Hybrid Learning Centres for orphans and unwanted children between the ages of 3 – 21. The design will need to be replicable as each hub should not hold more than 250 children and be able to provide the space to deliver classrooms, digital learning spaces workshops and land for agricultural studies across the full spectrum of students.

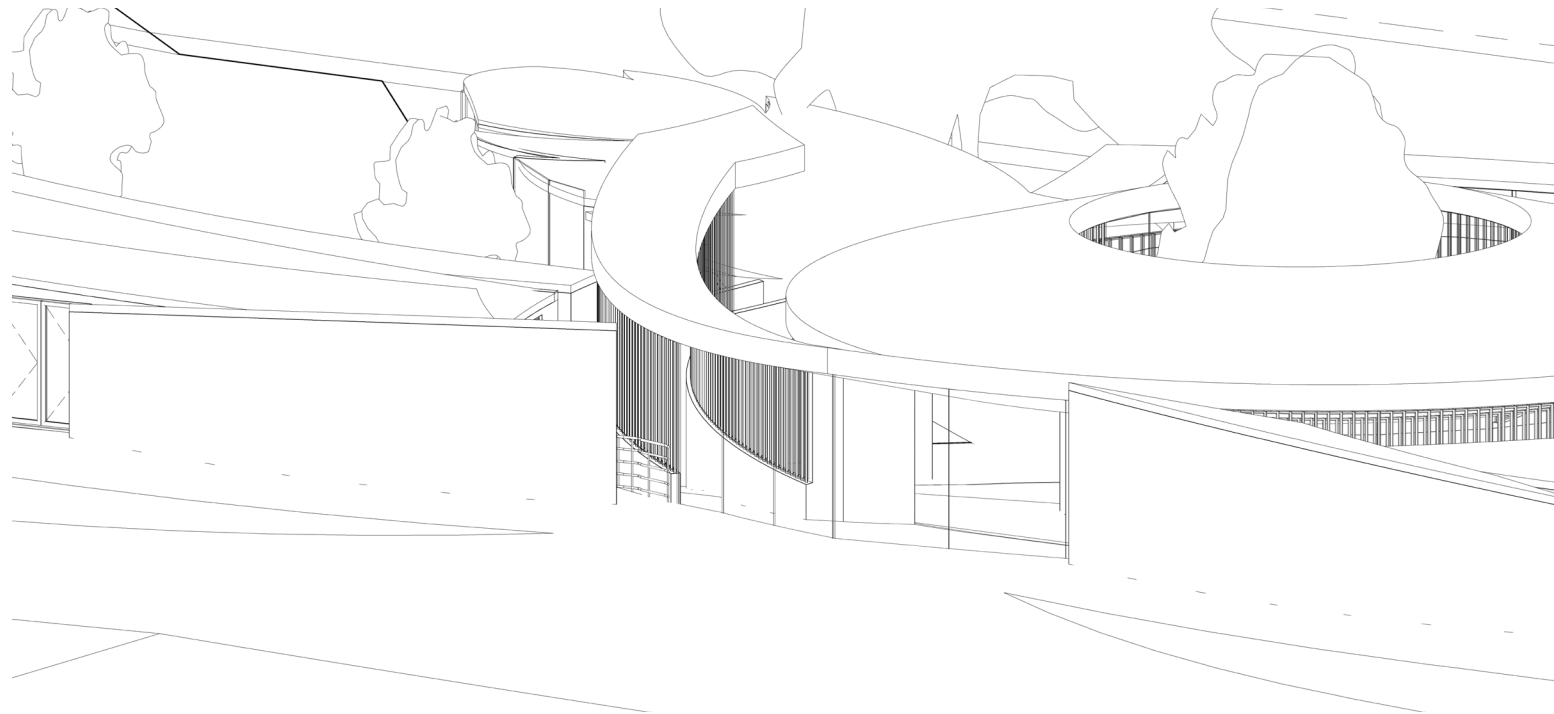


PHOTO BY: NATALIE MATANDA

PROJECT OUTLINE

WRBLO wish to provide a community focussed project that promotes the motto of 'We Rise By Lifting Others', relieving endemic poverty by advancing general healthcare; advancing education; community upgrading; and promoting community cohesion; through financial inclusion and economic growth, for millions of sub-Saharan African citizens living in deprived communities. Through these proposed Hybrid Learning Centres, these objectives can be achieved rapidly in the space that is being designed to encapsulate the ethos of WRBLO.

DESIGN CONSIDERATIONS

WRBLO have instructed that HLC design adheres to the expressive wording that defines GOD'S Special Protection expressed in (Psalms 91:4 KJV)

"HE Shall Cover thee with HIS Feathers, And Under HIS Wings shalt thou trust: HIS Truth shall be thy Shield And Buckler. ."

The design will establish 5 main focus areas for the Hybrid Learning Centres:

Academics, Digital, Vocational, Agricultural and Business.

Key elements of the design include:

- Classrooms and workshops for both individual and group learning
- In-between, small group learning spaces outside of the working classrooms
- Minimal impact on the natural features including addition of food bearing trees to allow each individual HLC to be self-sufficient
- Indoor and outdoor spaces for agricultural learning both practical and academic
- A worship lecture/concert/performing arts hall that can be separated or expanded by dividers for a combination of smaller spaces for worship/lectures/orchestral/singing/performing arts
- Shared courtyards for group learning or play activity spaces.
- Environmentally friendly and socially engaging materials that can be produced by the students as part of skills building workshops
- Open grounds to encourage physical education and sport as a career path (athletics, football, netball etc)

This document sets up a concept design, taking the brief and ideas previously discussed into the concept phase . A set of design drawings have now been produced to convey the indicative designed spaces and key drivers of the scheme.

CONTEXT



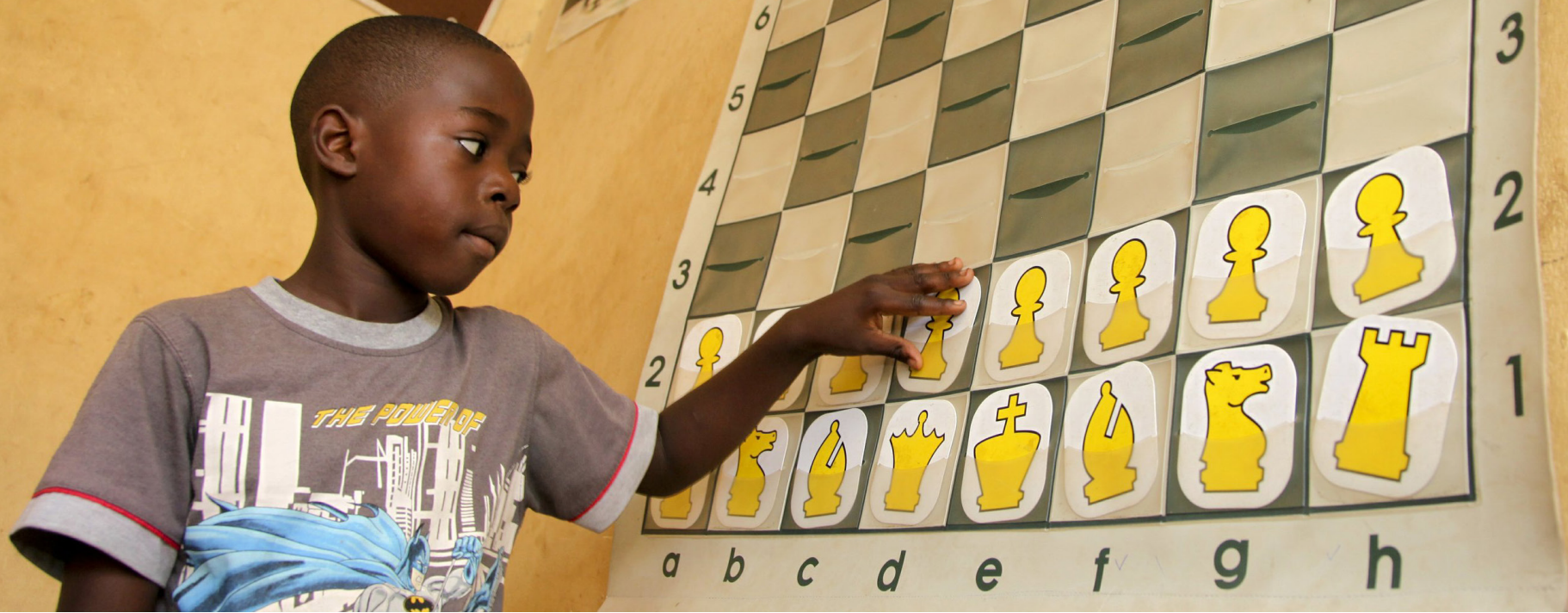


SUB SAHARAN AFRICA

Much of sub-Saharan Africa experiences the effects of abject poverty even though its soil is fertile and contains considerable deposits of valuable minerals and tradable commodities.

It is evident that well-meaning charitable efforts are not keeping pace with endemic poverty in Deprived Communities and unable to make the impact required to deliver economic at 'ground zero of poverty.

Much of the African continent is beleaguered with deeply rooted and complex issues which have produced enduring, abject, and endemic poverty. This widespread trajectory of poverty can be reversed if we act now to ensure children are provided with access to a strategic education that enables them to grow into productive members of African society.



HLC: AN EDUCATIONAL HARBINGER OF GOD'S LOVE AND PROTECTION

"HE Shall Cover thee with HIS Feathers, and under HIS Wings shalt thou trust: HIS TRUTH shall be thy Shield and Buckler"

HLCs - an educational harbinger of GOD'S Love and Protection.

Taking shelter under The Wings of THE ALMIGHTY is indicative of us being protected by descriptive attributes of GOD as an impenetrable shelter as described in the assurance that "HE Covers us with HIS Feathers where we refuge and are kept safe."

WRBLO are providing these HLCs exclusively to Orphans and Unwanted Children who are in desperate need of holistic care and education. These HLCs are being designed to be unique learning communities that embrace values of Love, Care, Emotional Healing, and Education through the components of protection described throughout The Psalms, and a special design emphasis is taken from Psalms 91:4.

HLCs are to be calm learning centred places where physical, emotional and spiritual refuge is to be found and where individual relationships with GOD, in the keeping of HIS WORD and prayer can be lived and experienced as a standard attained through smart education, learning and growth that transforms victims into productive thriving African champions.



1. FEATHERS



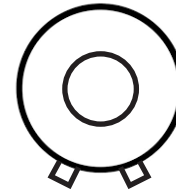
2. WINGS



3. SHIELD



4. TRUTH - HOUSING



5. BUCKLER - RECREATIONAL





5 PILLARS OF DESIGN

Using the concepts from The Word, WRBLO are driven to achieve 5 pillars of learning within the Hybrid Learning Centres. These consist of:

1. Academics: read and write
2. Digital: phones, websites, apps
3. Vocational: manufacturing, commerce
4. Agriculture: maintain its abilities to feed itself
5. Business: small to corporate, understand the value of money, local and national level

The concept design has been planned in according to the requirements set out by WRBLO to design a Hybrid Learning Centre that adheres to the 5 pillars of learning.



ACADEMICS



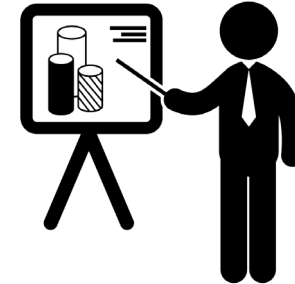
VOCATIONAL



DIGITAL



AGRICULTURAL



BUSINESS



DESIGN INSPIRATION

The following pages are a selection of projects being used as reference for the design of the concepts of the Hybrid Learning Centres



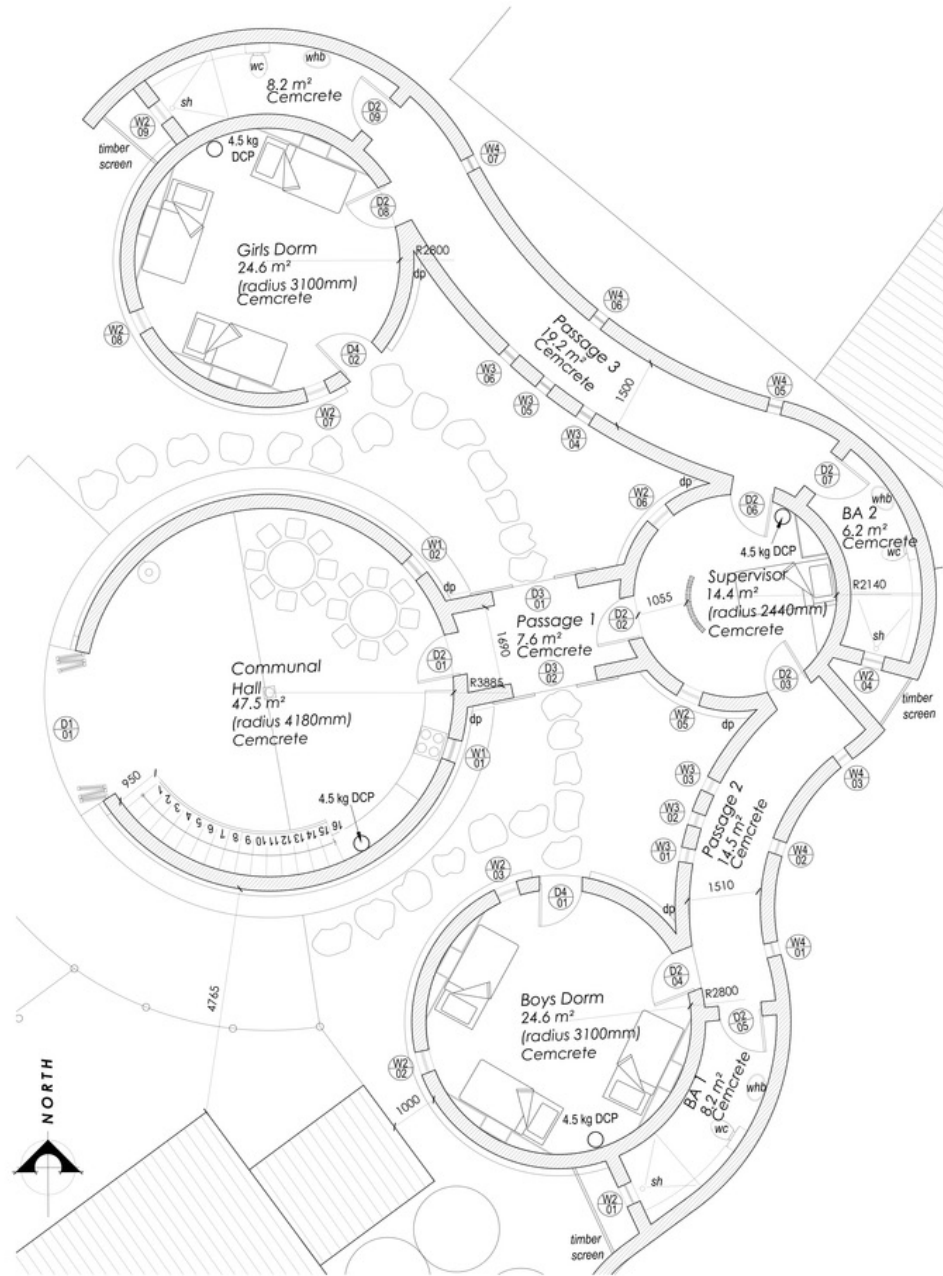
PHOTO BY: CHRIS GRAVA

LANGBOS CHILDREN'S CENTRE

Rural Eastern Cape, South Africa
Youth Centre, Community Centre
Area: 217 m²
Year: 2018

A sustainably-designed centre to provide support to vulnerable children and families in Langbos. Designed to provide a multi-functional space for community-driven initiatives, this off-grid design, utilizes solar power for electricity and water heating, as well as a unique gutter around the base of the domes to harvest rainwater.





Floor Plan Scale 1:50



PHOTO BY: TIMOTHY LATIM

AU DORMITORY

Nansana, Uganda
Dorms
Area: 2140 m²
Year: 2015

A dormitory built as a residential school for 50 students from sub-Saharan Africa to prepare them for entering universities abroad. Made up of classrooms, male and female dormitories, staff quarters, a canteen, kitchen and also office for staff. The building is designed to respond# to the climate with tall walls to maximize shade.



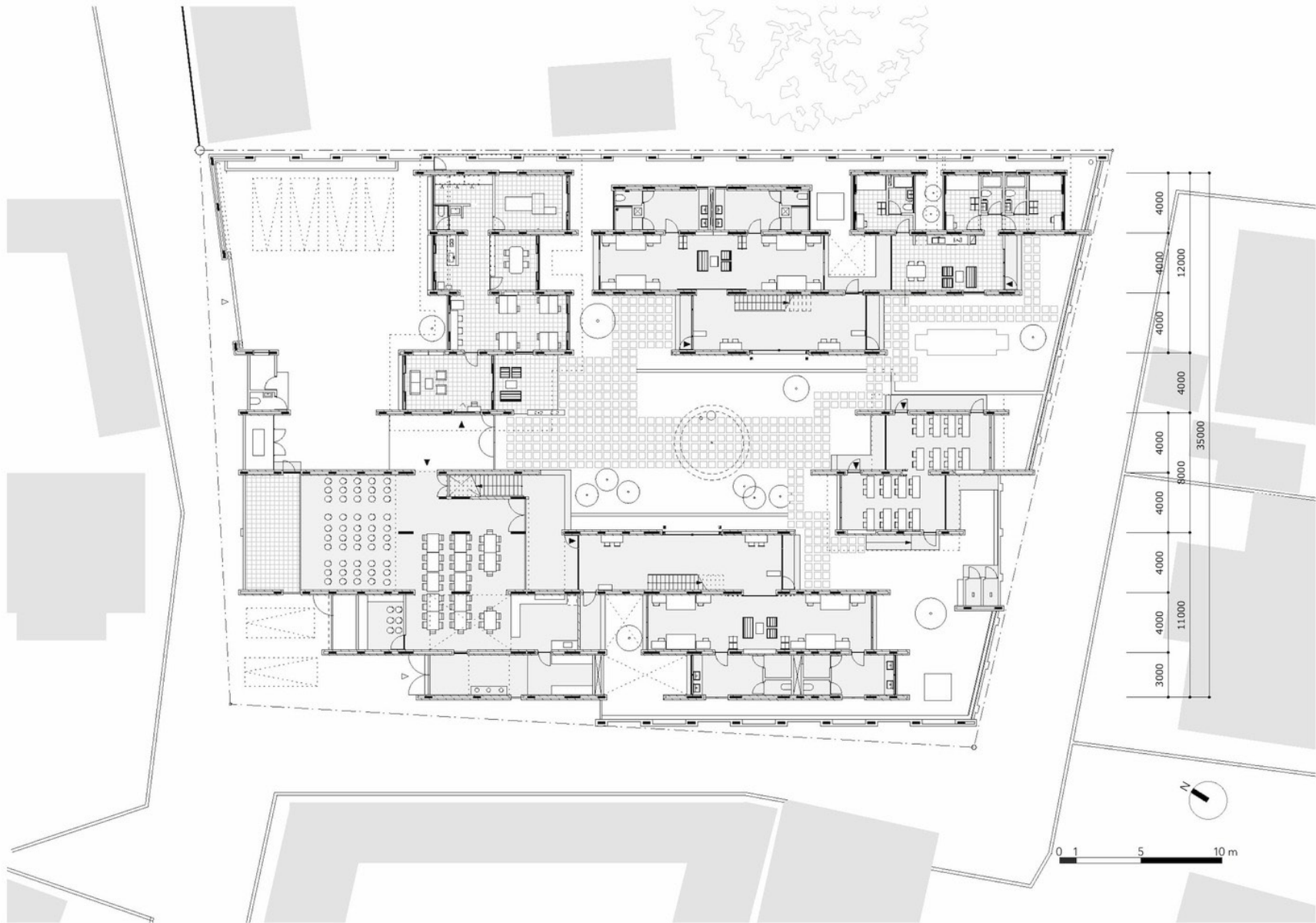




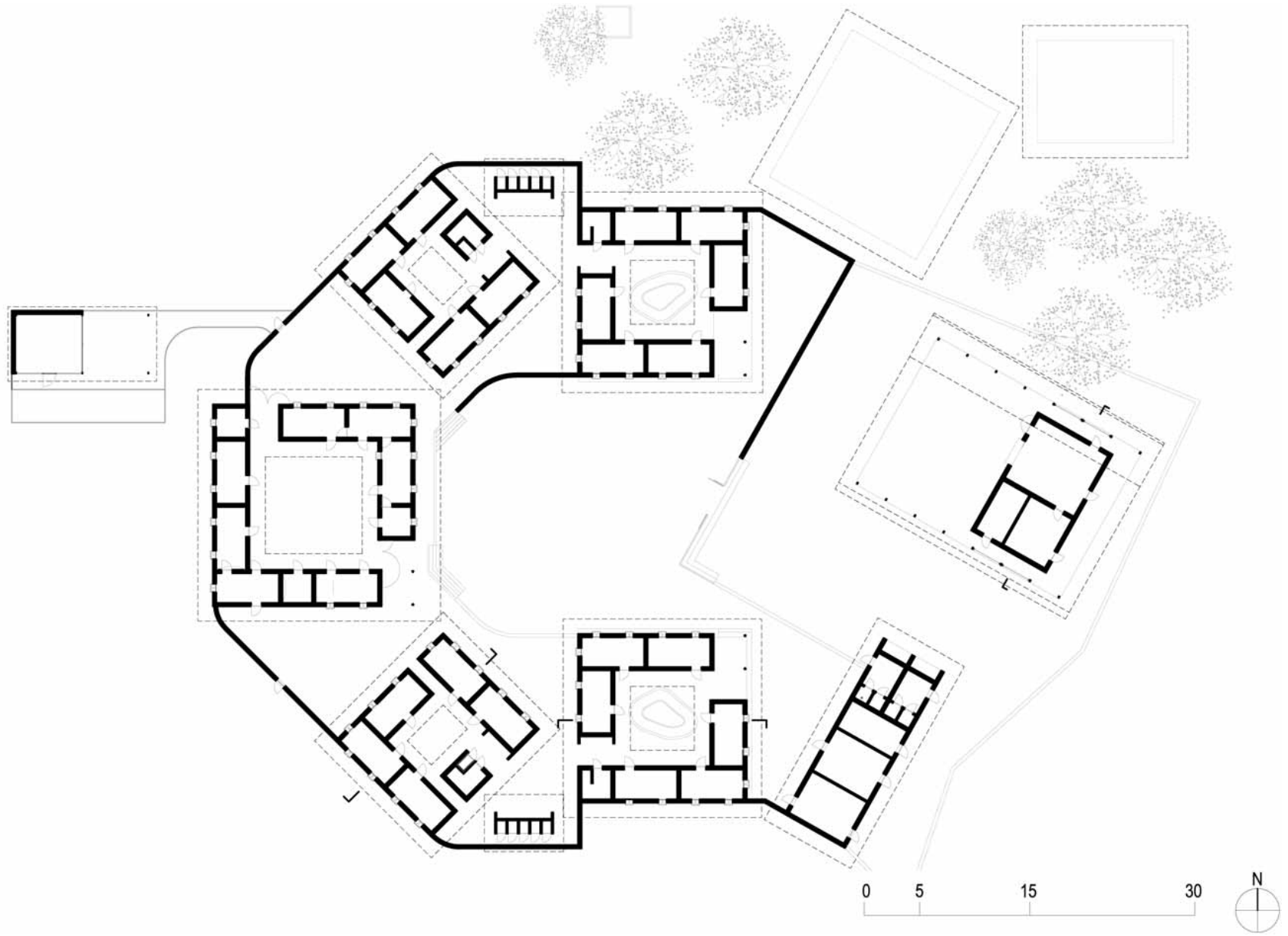
PHOTO BY: JANE SMITH

NOOMDO ORPHANAGE

Koudougou, Boulkiemdé, Burkina Faso
Orphanage
Area: 4000 m²
Year: 2016

Laid out as a series of clusters built around a communal outdoor space. The complex consists of four residential units for children, an administrative building, a shaded open-air dining hall and a workshop. Each unit encloses its own courtyard to allow children of different age groups and gender their privacy.





CONCEPT

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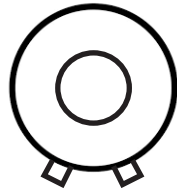
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LEARNING



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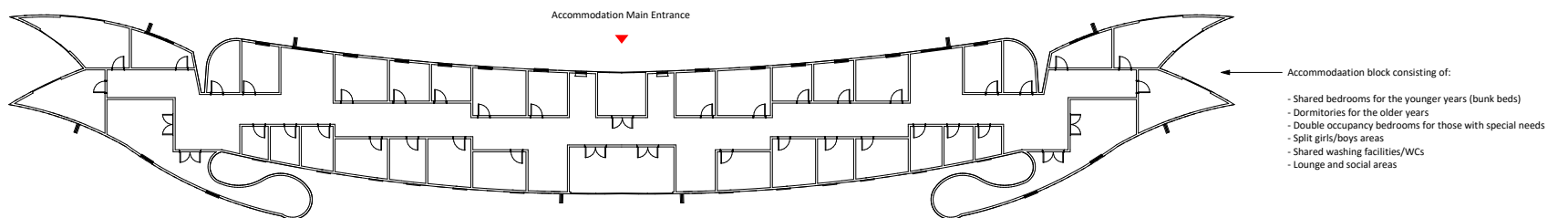
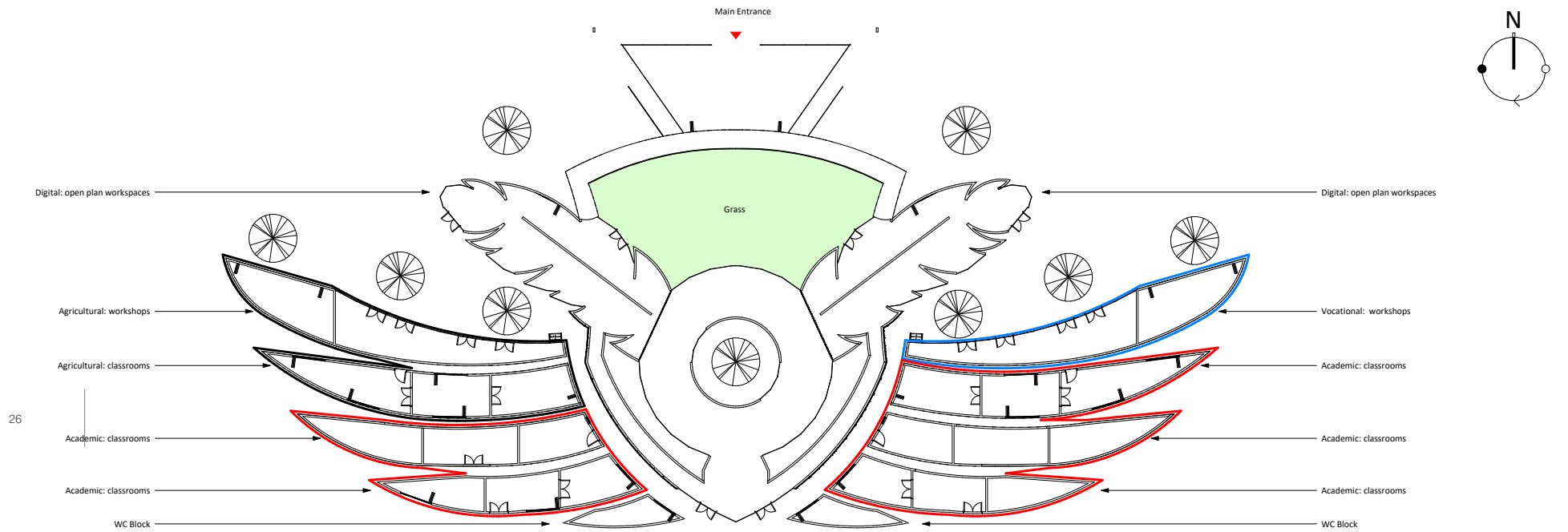


RECREATIONAL

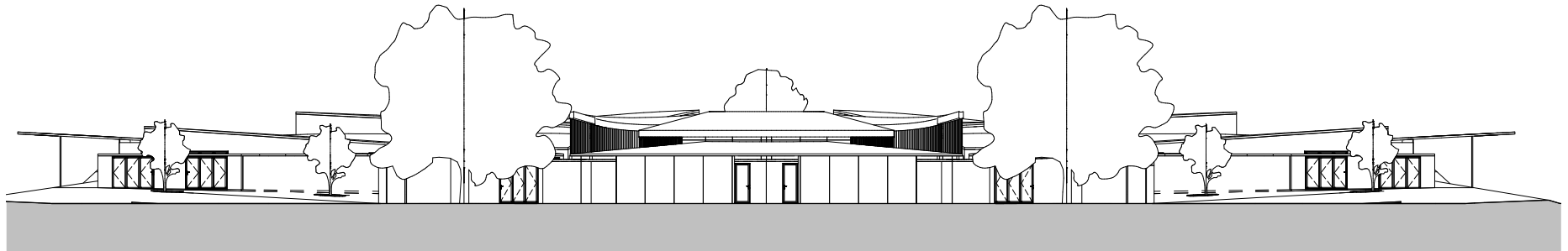


HOUSING



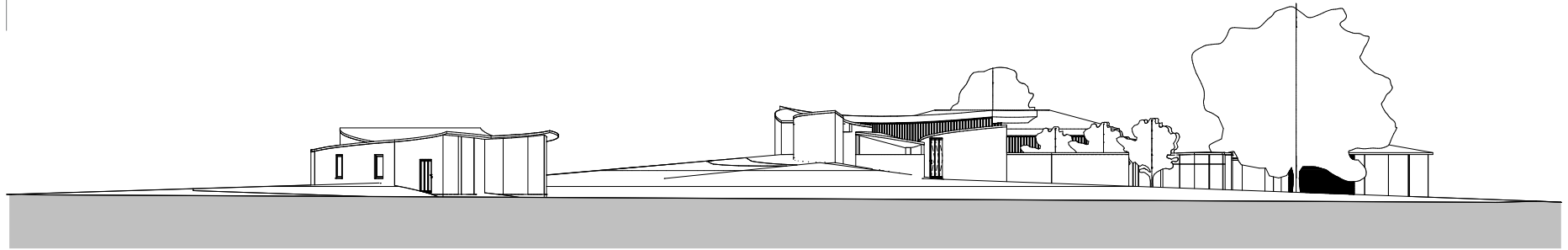


Ground Floor Plan

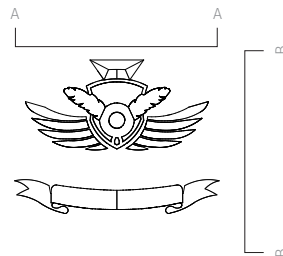


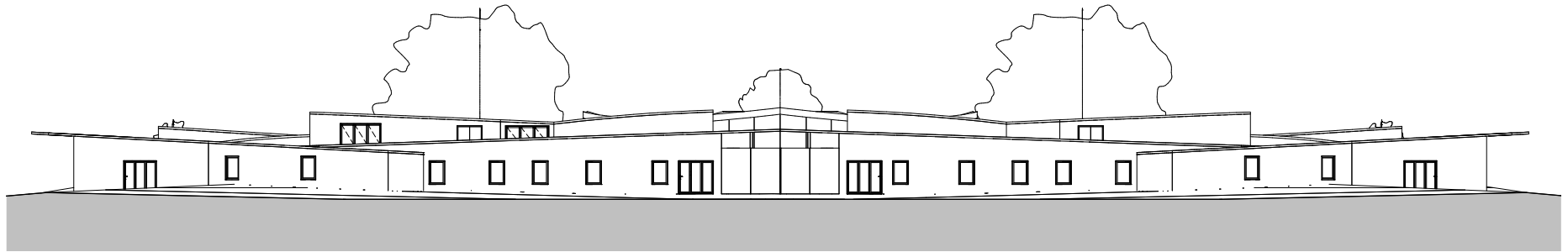
Front Elevation A-A

27



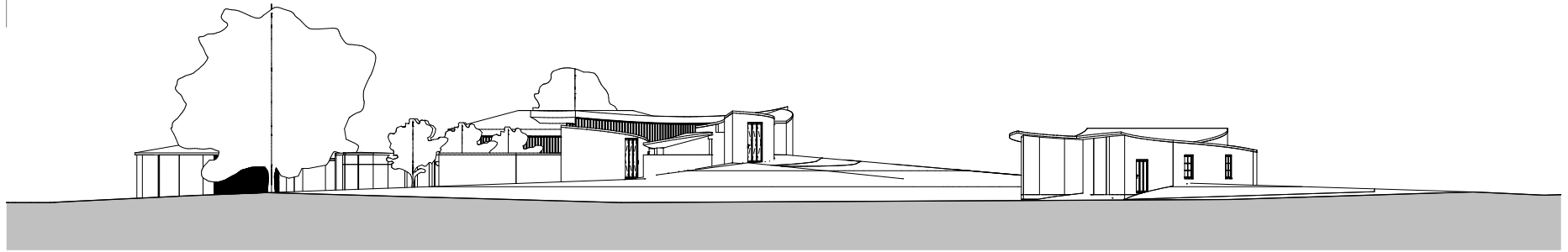
Side Elevation B-B



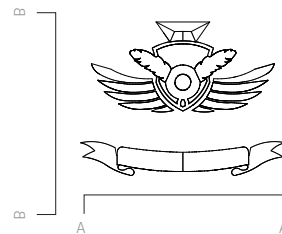


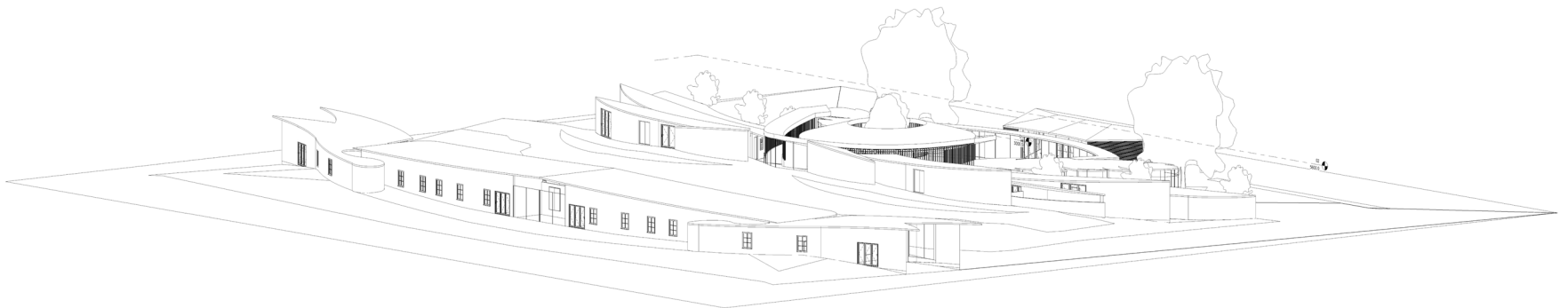
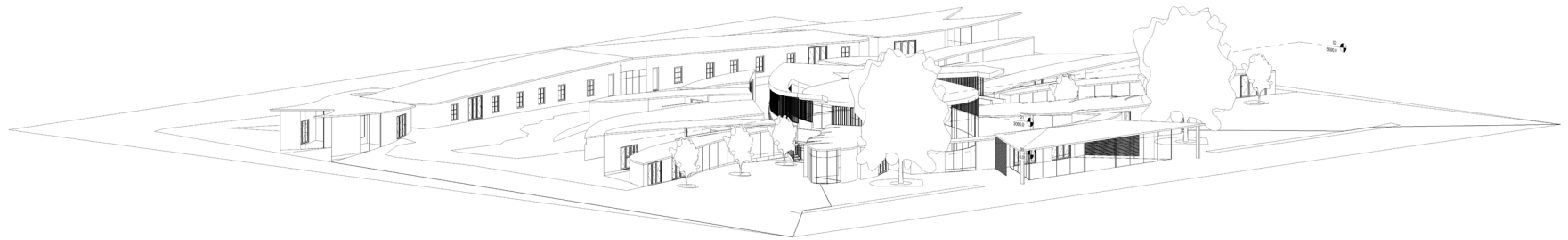
Back Elevation A-A

28



Side Elevation B-B





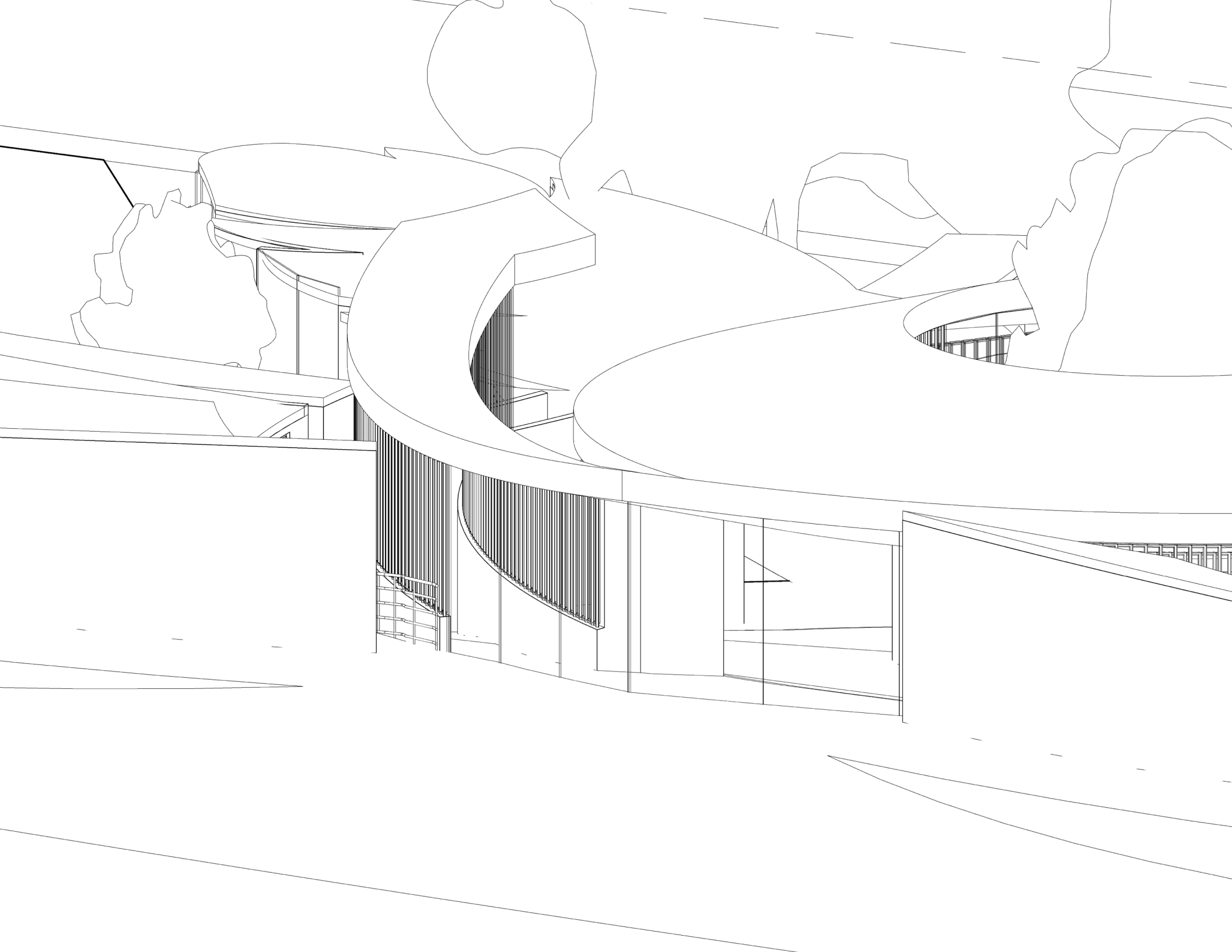




PHOTO BY: NATALIE MATANDA

ENTRANCE





PHOTO BY: NATALIE MATANDA

SIDE ENTRANCE





PHOTO BY: NATALIE MATANDA

SOCIAL

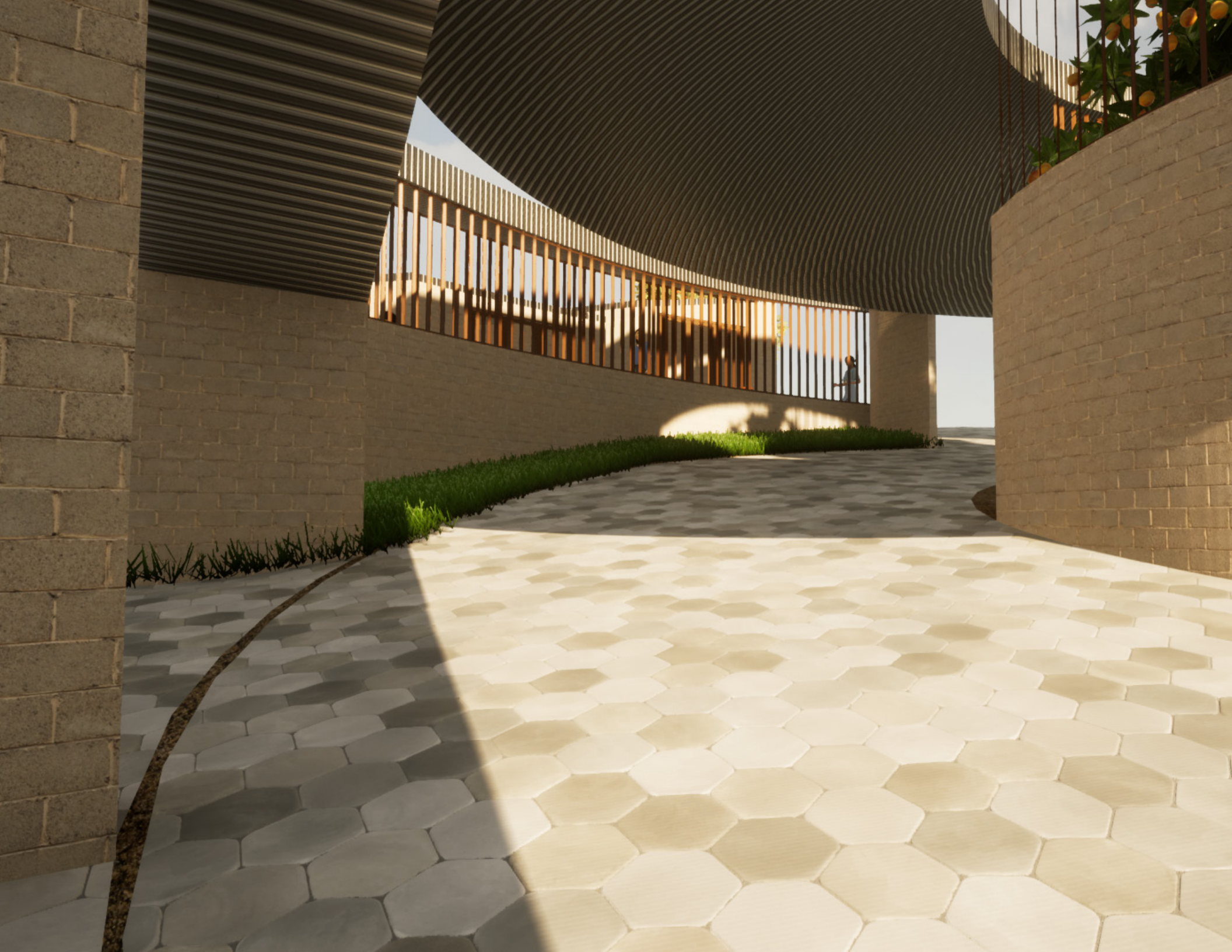




PHOTO BY: NATALIE MATANDA

WALKWAY







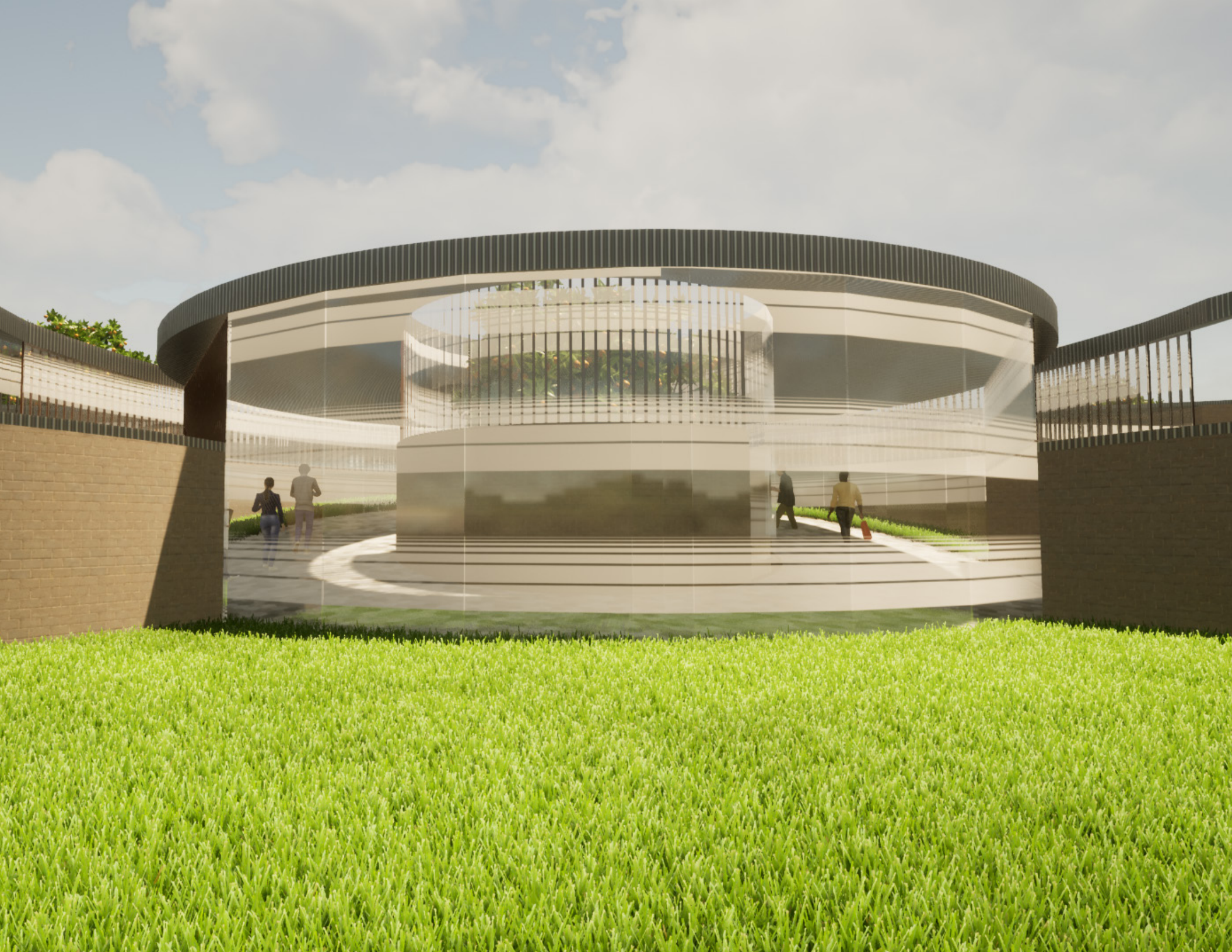




PHOTO BY: NATALIE MATANDA

ACCOMMODATION





PHOTO BY: NATALIE MATANDA

REAR





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