Future Phase

Normal trends in school designs

In most cases in Africa an office is placed in a

As students enter into the school compound and navigate around,

the school class rooms are arranged based on a time line that They

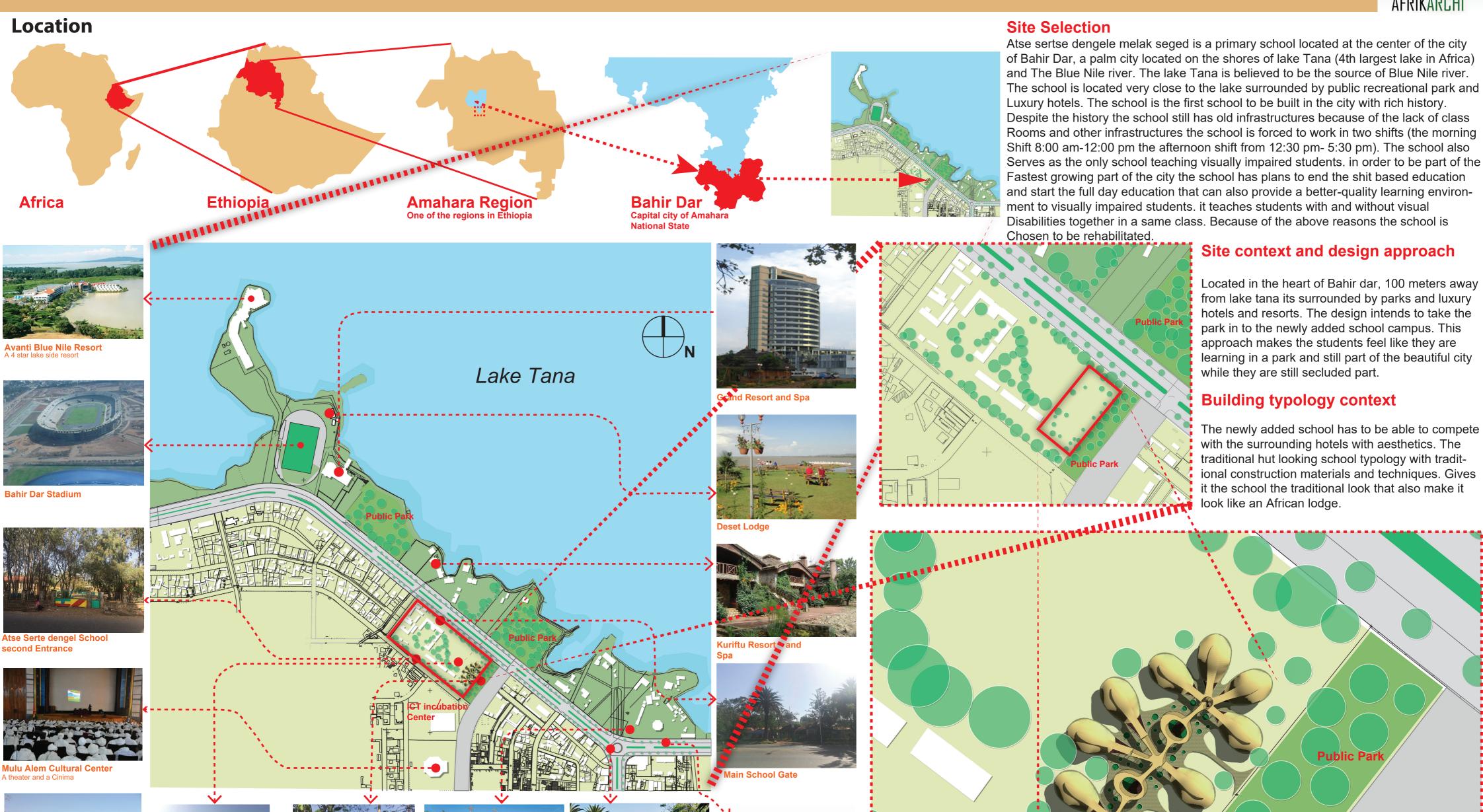
are constructed from the old to the newest Based on their closeness

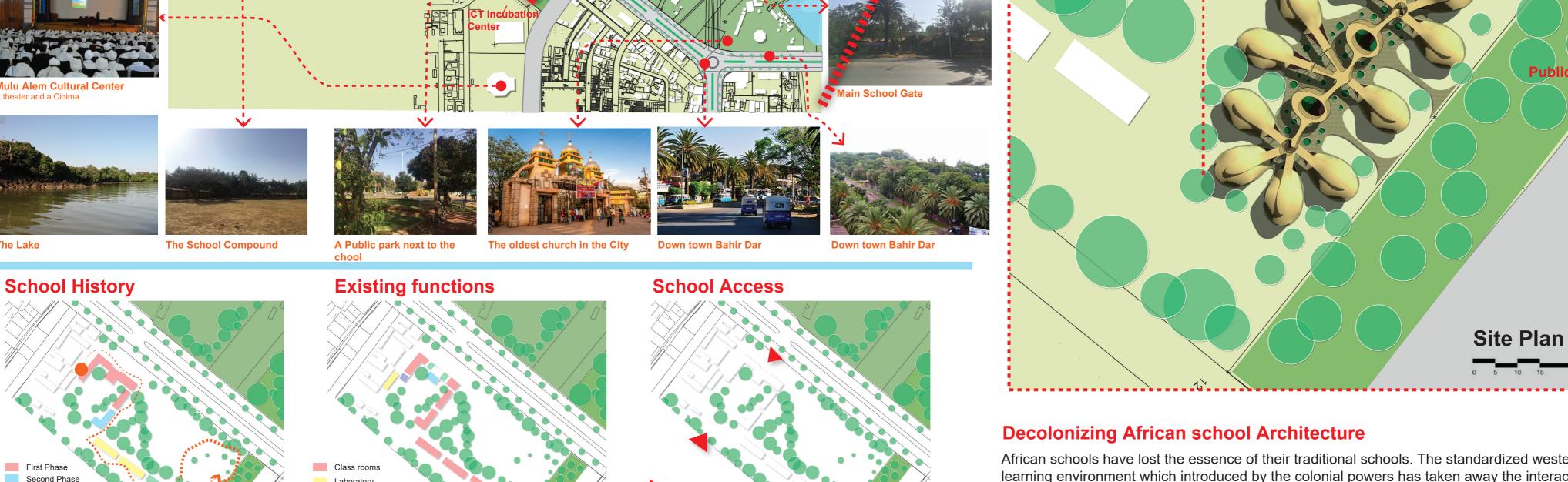
To the entrance. The newly proposed building campus respects this

time line hierarchy. This placement also used as a space definition for the

A School in an urban area in Africa







Currently the school as two entrances on opposite sides. Since the newly added

school part will be located far away from the older entrance gate a new entrance

**Take inspirations from African Villages** 

Traditional African villages are built around a central

gate is added to the school which will be accessible through the public park.

African schools have lost the essence of their traditional schools. The standardized western education and learning environment which introduced by the colonial powers has taken away the interactive out door type of learning. Pre-colonial African civilizations educated their youngsters life skills in a way that knowledge transfers directly from the experienced one to the youngest directly through 1o1 teaching.

## **School History**

The school has been built during the reign of Emperor Haileselassie I. it has had different additions during different parts of its history. the addition time line is visible from the oldest to the recent one. The newly proposed school pavilion continuous this history of addition



**Creating Gaps between Class Rooms** 

Creating gaps between class rooms creates a

The school has an already established Library and Laboratory. The school

the students an opportunity to coup up with the tech world. It also includes

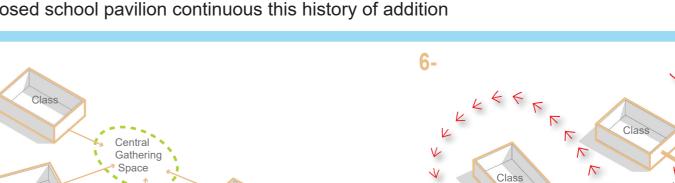
not only the standard education but also important life skills.

Central office controlling both ways
Reducing the block length from one side and

out door kitchen and an out door wooden workshop for the students to learn

lucks technology facilities like computers and IT rooms, The newly proposed

elementary school campus includes a Computer technology room. Which gave

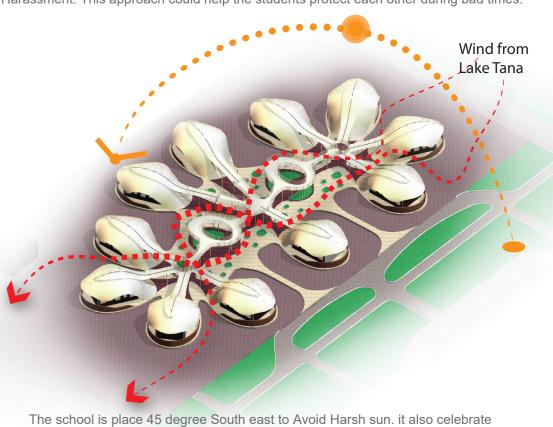


Introducing the Circular teaching Form
The circular form is proposed because it creates an inward
Looking self protecting living area. In addition It also creates
a central court yard which is an essential element to develop
a shared learning platform and to develop a strong friendship between the Students.



By arranging the classrooms in a circular manner the proposal tries to create a fenced kind of environment for the students. This helps the students to develop a scene of security in the compound. The class rooms are separated apart to create pathways and allow the students to move and experience maximum playing freedom. This porous nature allows the students to be able to move around and at the same time feel secured.

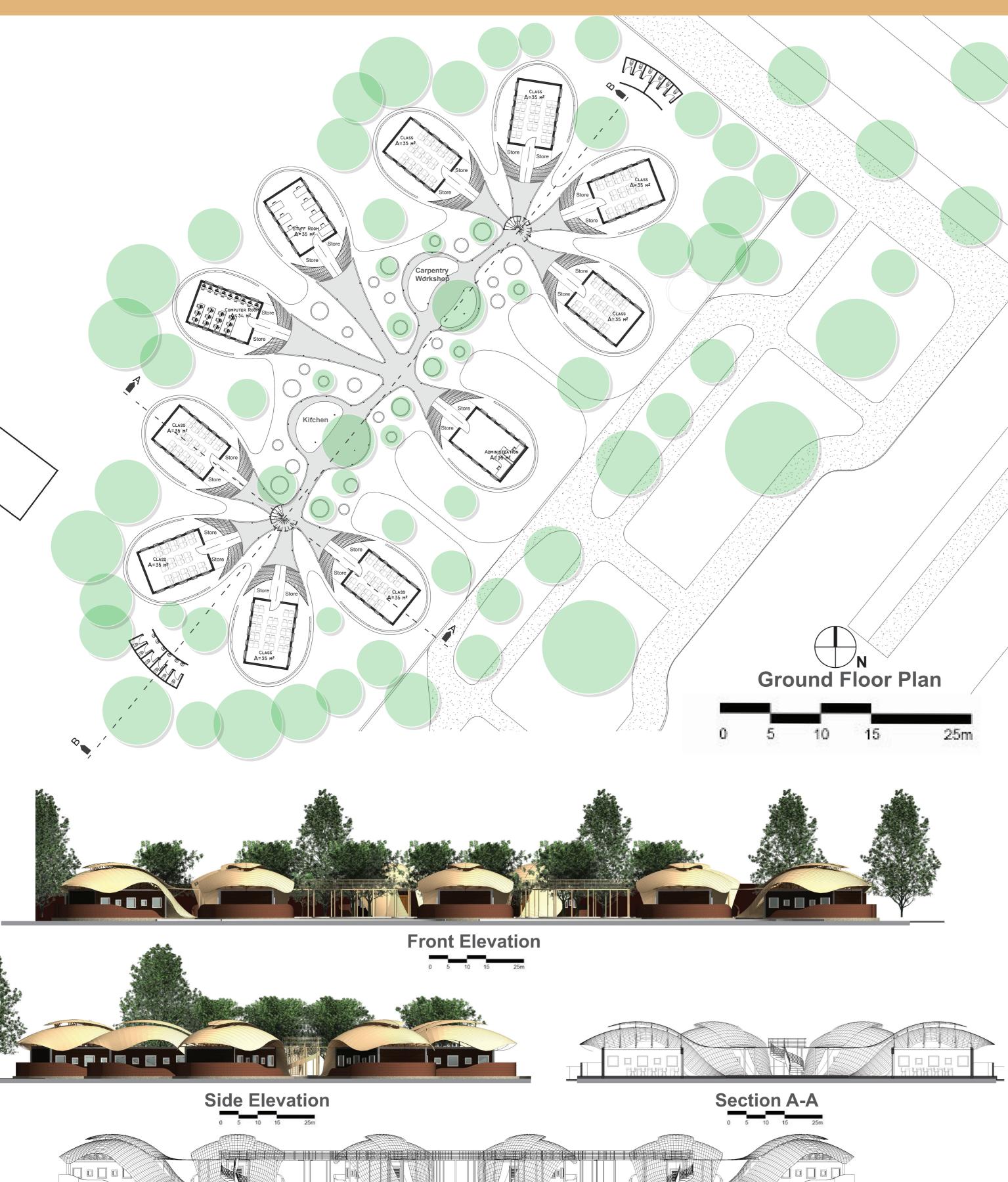
The entrance for the class rooms faces a common gathering space, This makes sure one class room students keeps an eye on other class room students in case of danger or student Harassment. This approach could help the students protect each other during bad times.



the wind from the lake with open transparent windows and elevated room. the Vibrant court yard spaces the student to host lost of activities.

A School in an urban area in Africa





# **Construction Manual**

The Building Typology is designed to be produced locally, with locally available construction materials and techiques. It can be prefabricated in a diffrent place and be assymbled in the construction site.

To make the prefabrication process and the quality of the product. All the Building elements in the building are parametrized. A person who wantes to build this Typology may read this manual and can easly construct it. refer to the table.

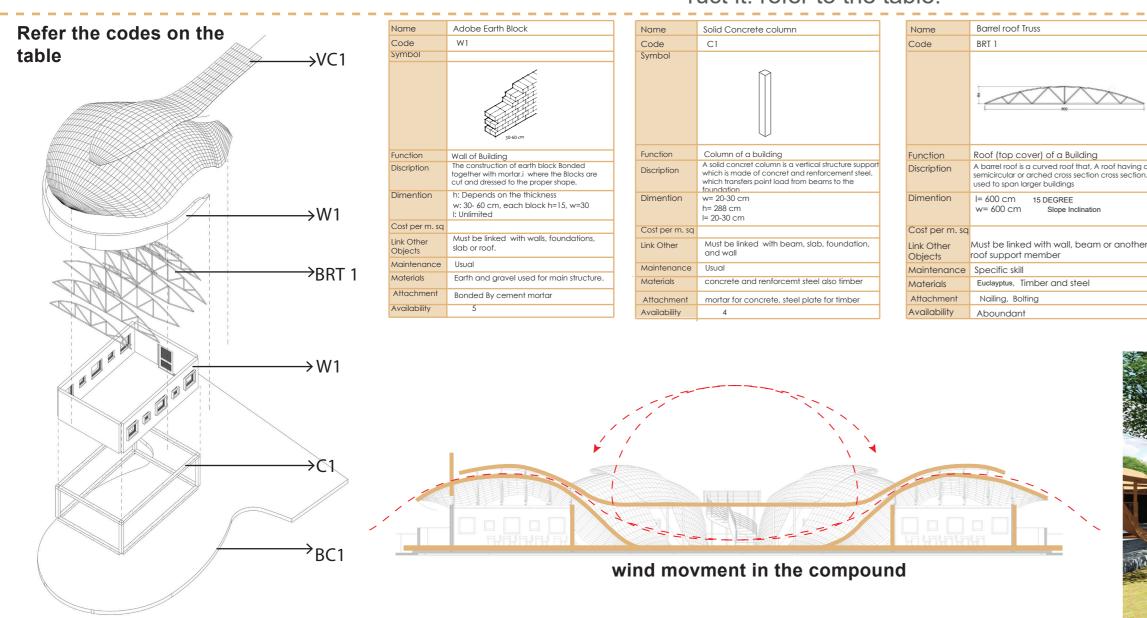
The aboundance of a material is rated between the scale of 1 - 5 in which 5 is the most aboundant one

Maintenance

cover of a Building

A flat slab is a two-way reinforced concrete slab

Concret and Rainforcemt Bars



**Section B-B** 





laierd to each other for water proofing.

w= 10-15 cm h= 10-15 cm t= 0.2-0.3 cm 5cm overlap on the top of each shingle

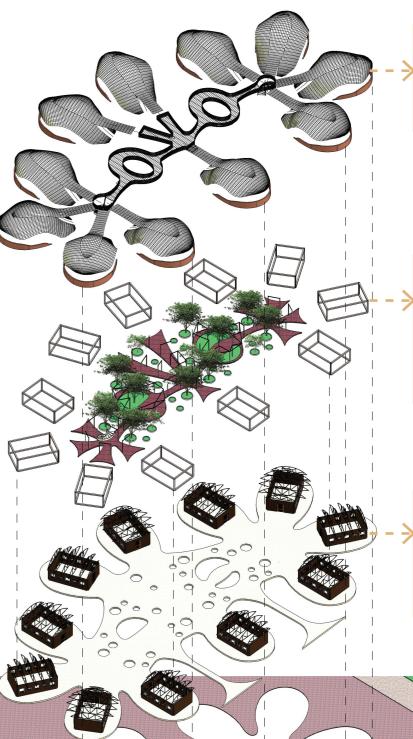


### **Building typology inspiration**



The separate class room typology is inspired from the ancient rock cut and rock hewn churches in Ethiopia and ancient temples on ancient Egypt. The class room is sandwiched between the overhanging roof and the short space defining wall. This approach creates the hidden rock cut African architecture. Inspires the students to look back through history and search for inspirational knowledge

The roof emerges from the ground and then covers the whole class room which functions as a wall at one side creating a defined space and creating a shade on the opposite side.



A continious roof covers the whole school compound creating roofs and shades. The roof also serves as a bridge between places

The class rooms are arrenged around central gathering spaces which are connected with ground walk ways and briges. The central area is more of a garden with walk ways made of pavements.

The class rooms are spaced in a way that allow maximum movement for the students. The class rooms are also arrenged around a cental common space creating common gardens.

The school has to inspire the city and the people

that visits the park each day

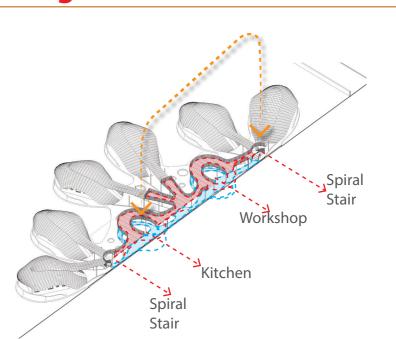
with its gardens and traditional look. And inturn the city and its green environment should inspire the school

**Integration with the surounding** 

# Park The students will be able to have a very interting view of the city from the bridge/roof of the school

The rehabilitated school is located next to and
existing urban public park. The idea is to extend
the characterstics of the park in to the school.
this approach makes the students feel as if they
are still part of the park and the city while they
are still learning in a confined and protected area.
it creats a green inspireing environment.

### **Integration with the surounding**



Two spiral stairs located at each gathering place leades to a bridge that connects the gathering spaces vertically. The students can move arround the school by using both the ground walk way and the bridge. This allows them to have additional movement options. The students can have a better view of the city and its parks from the bridge.