STROKE SURVIVORS' REHABILITATION CENTER

Concept and Form Development

Designing a rehabilitation center for stroke which has been shown to be a therapeutic activity. The interior of the facilities are designed with warm and therapy, and counseling.

survivors which is a complex and challenging for stroke survivors. The central hub which includes welcoming colors such as brown, which creates a task that requires a deep understanding of the an amphitheatre is surrounded by the main facilities sense of comfort and tranquility for the patients. The needs of the users and the cultural context in which would be constructed with Compacted Earth use of natural materials such as wood and bamboo which it is located. The proposed design for the Block (CEB) and bamboo as the main roofing also adds warmth to the interior spaces and create a rehabilitation center features a community within a healing garden. The central hub of the community serves as an outdoor space for patients to rolay assignment to rolay assignment of the facilities are designed with the national assignment of the facilities are designed with the national assignment of the main rooting also agas warmin to the interior spaces and create a connection between the interior and exterior spaces. The rehabilitation center is designed with sustainability building materials that reflect the culture of in mind, with water harvesting systems, and approach would not only promote sustainability but also incorporate local in mind, with water harvesting systems, and approach would not only promote sustainability but also incorporate local in mind, with water harvesting systems, and approach would not only promote sustainability but also incorporate local in mind, with water harvesting systems, and approach would not only promote sustainability but also incorporate local in mind, with water harvesting systems, and approach would not only promote sustainability but also incorporate local in mind, with water harvesting systems, and approach would not only promote sustainability but also incorporate local in mind, with water harvesting systems, and approach would not only promote sustainability but also incorporate local in mind, with water harvesting systems, and approach would not only promote sustainability but also incorporate local in mind, with water harvesting systems, and approach would not only promote sustainability but also incorporate local in mind, with water harvesting systems, and approach would not only promote sustainability but also incorporate local in mind, with water harvesting systems. community serves as an outdoor space for patients to relax, socialize, and exercise. The landscaping of the rehabilitation center provides opportunities for gardening,

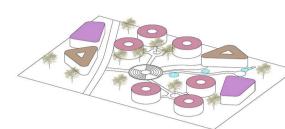
building materials that reflect the culture of Africa. The composting to the rehabilitation center physiotherapy, speech therapy, occupational therapy, and counseling. management, reducing the environmental impact of the facility.



Site with numerous trees





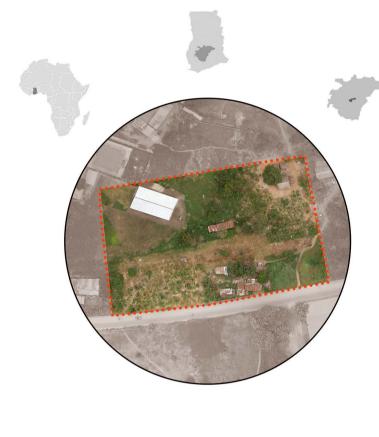


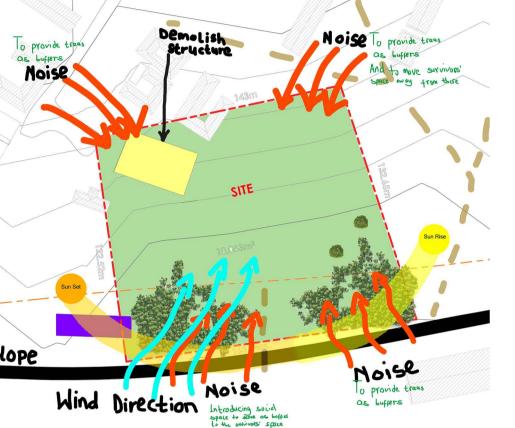
Creating of social spaces and landscapes(healing garden) to help in the healing process of the survivors .

Using circular and triangular forms with courtyards, this is a common feature in the Traditional Northen community of Ghana. This courtyard system promotes socialition, unity and a sense of security among the people.

The building torms are linked together to torm a community within a healing garden. The healing garden is made up of bright colored flowers harbiscus, tulips and trees such as acacia. The main dominating colors of the garden include purple, red and yellow. These colors are used because they aid in boosting the energy of the patients psychologically. Water features such as ponds and water falls are used. Pebbles and rocks are also used in the walkways and along the ponds to beautify the community.

Site Location and Analysis



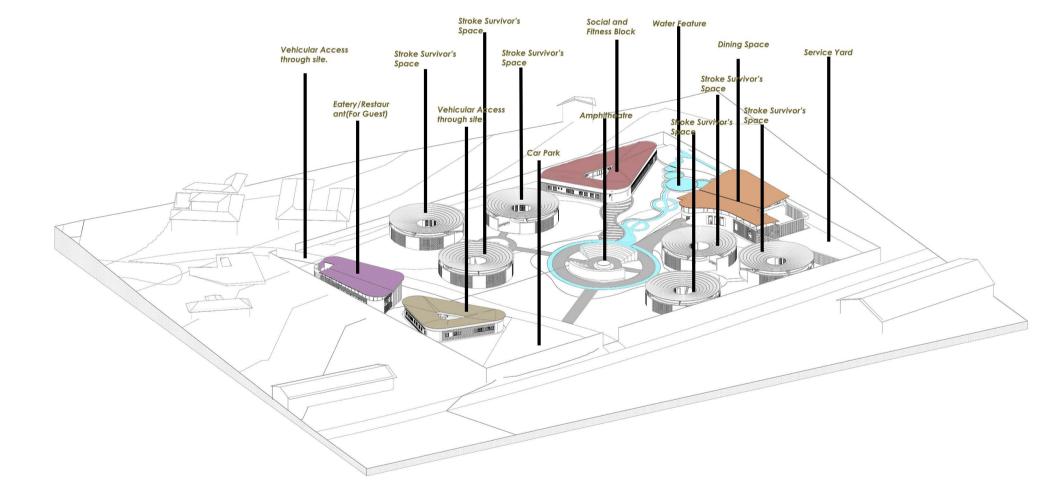


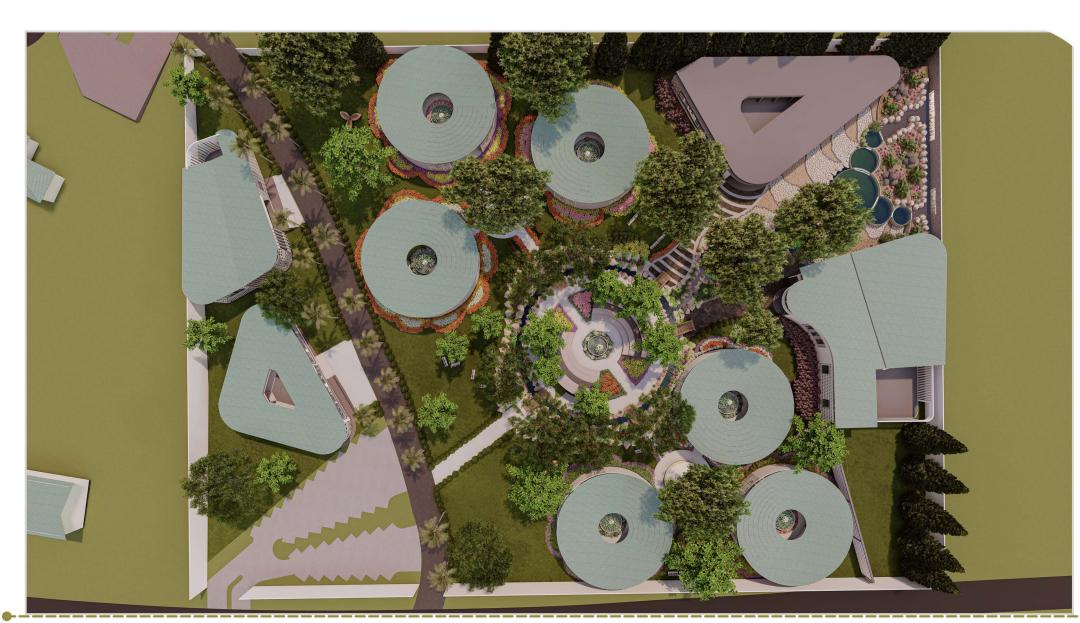
Other Access (Pathway)



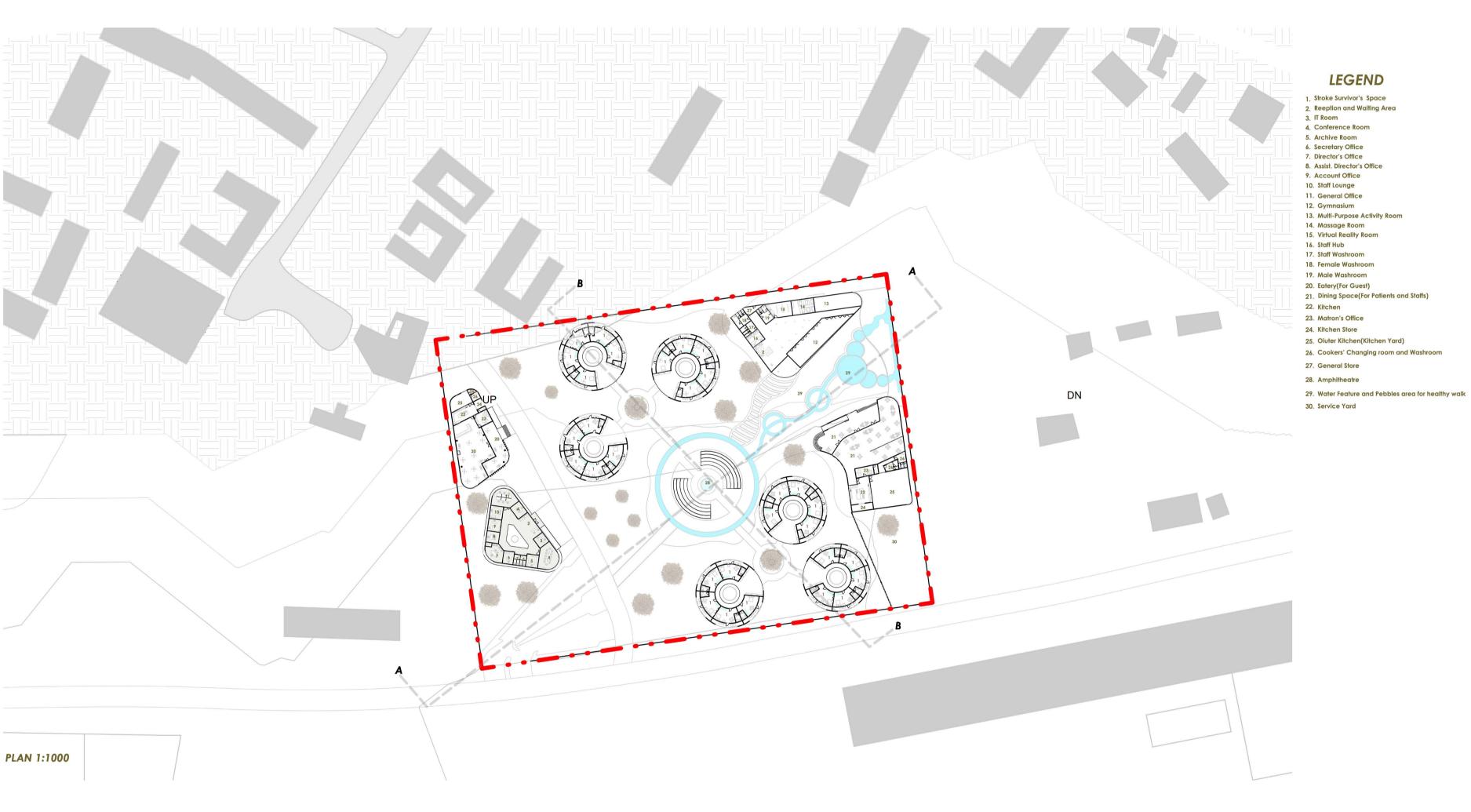
Poultry Farm

Activities and Zoning

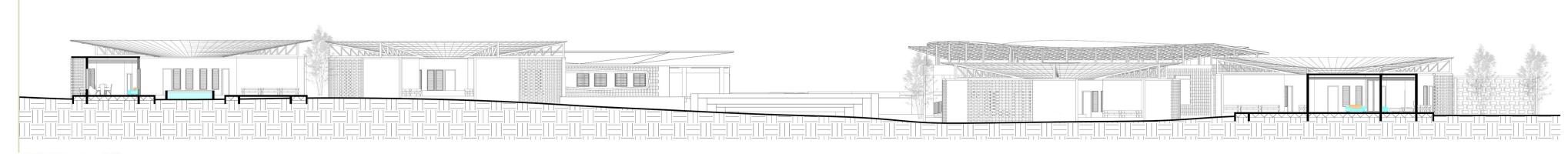








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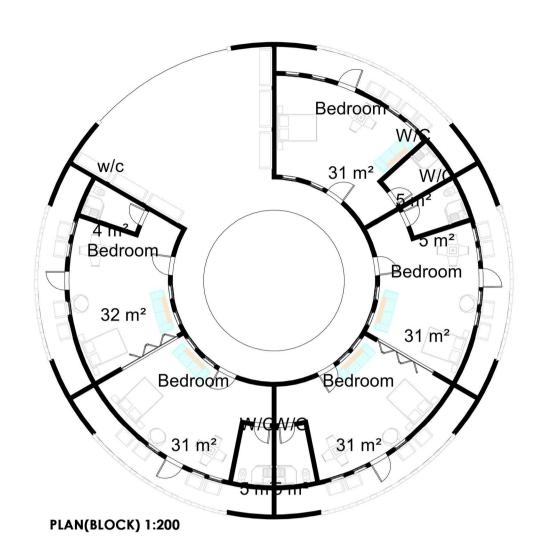


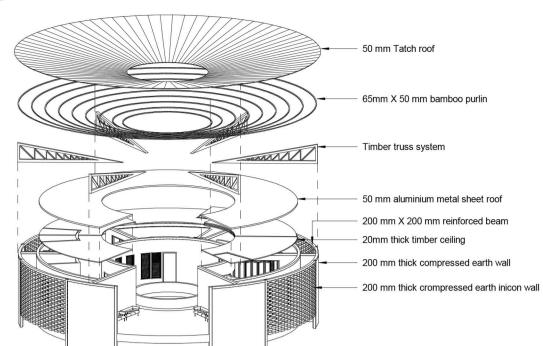
STROKE SURVIVORS' REHABILITATION CENTER

KUMASI GHANA

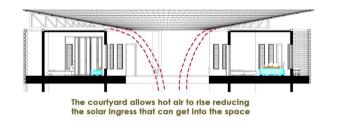
The stroke survivor's space was made in the form of a courtyard with enhances unity and foster the sense of security was used to help the survivors socialize and interact. This makes them gain the courage to the imprve pn thmselves and also protect one another.

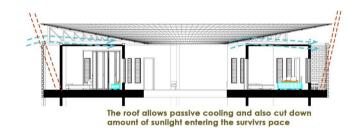
The roof is elevated with use of wooden truss to create passive cooling and reduce solar ingress. It also help in rainwater harvestng which can be used for non-portable activities like irrigation etc.

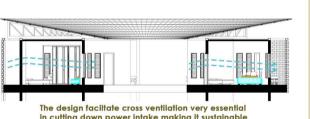


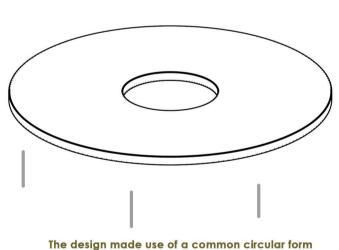




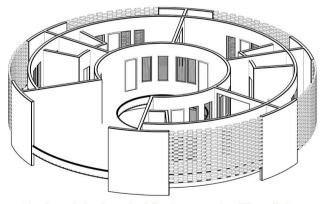




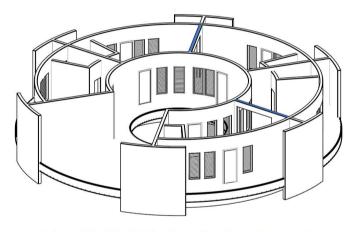




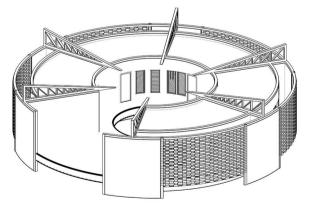
The design made use of a common circular form



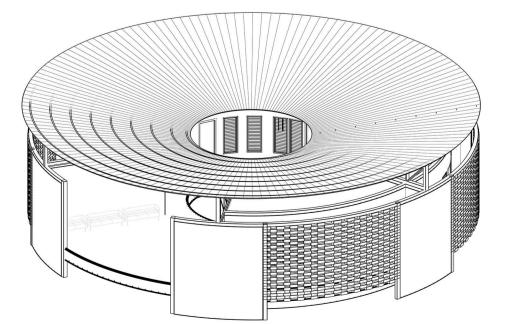
Vent are introduced at the terraces to diffuse ligh and safeguard the patients whiles having site



Internal Partition is introduced to allow privacy but alow to people o adjust their partition for



Wood trusses are used to hold firm the upcoming roof and help cool the space



The roof is the allow to slope inside to allow rainwater havesting. It is also raise to allow passive cooling within the space





