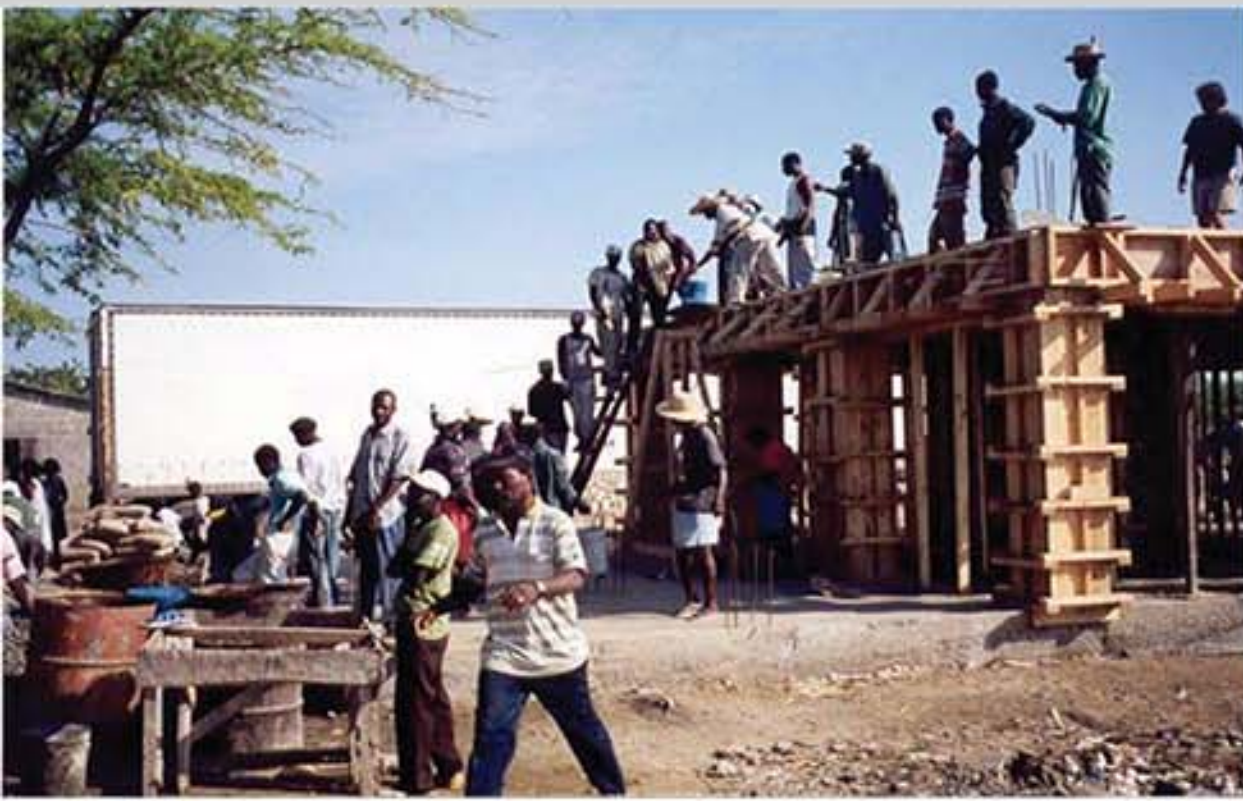


Medical Clinic, Fort Liberté, Haiti - Wilson Sawyer, Laura Sherborne, Alicia Wetherington



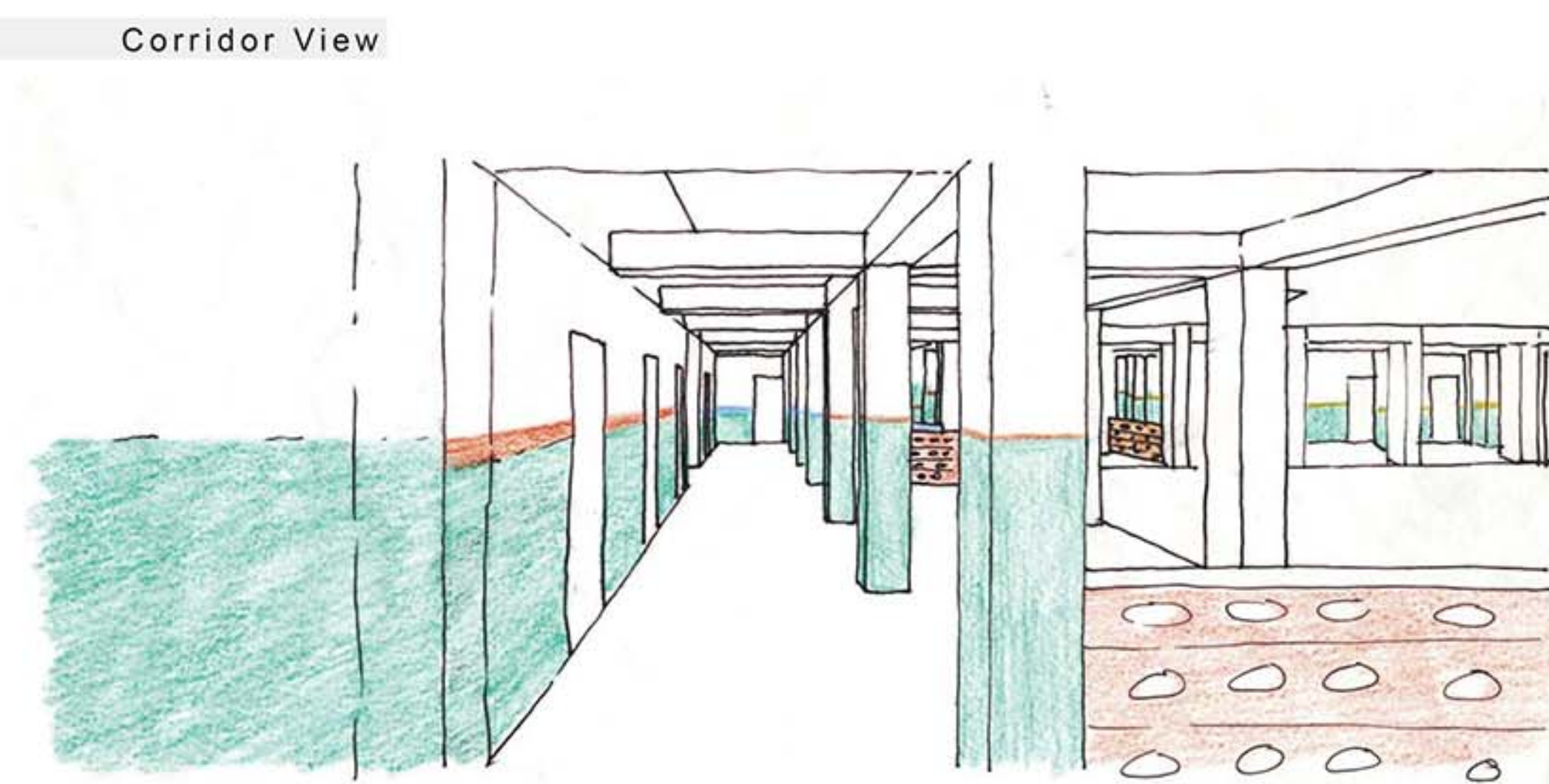
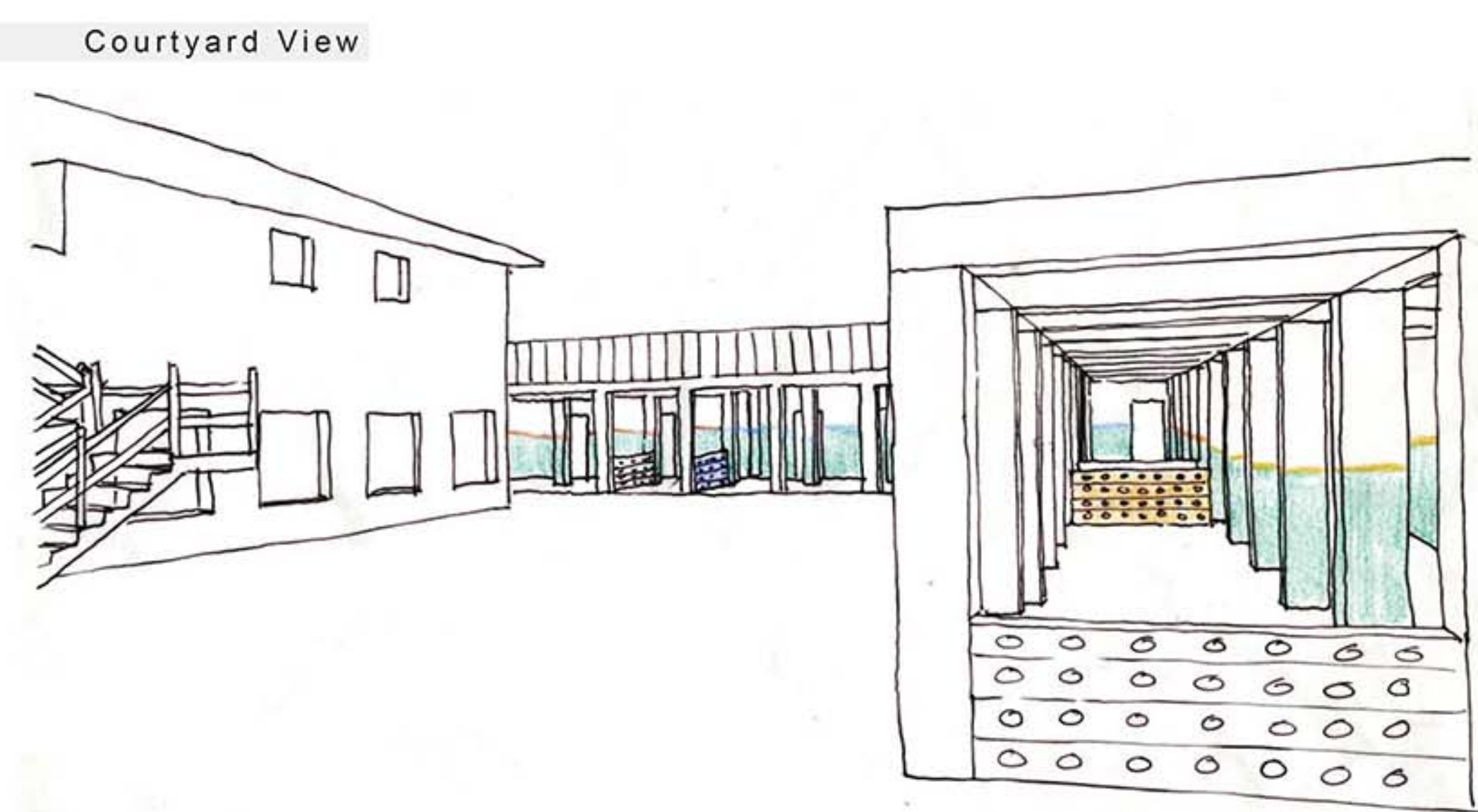
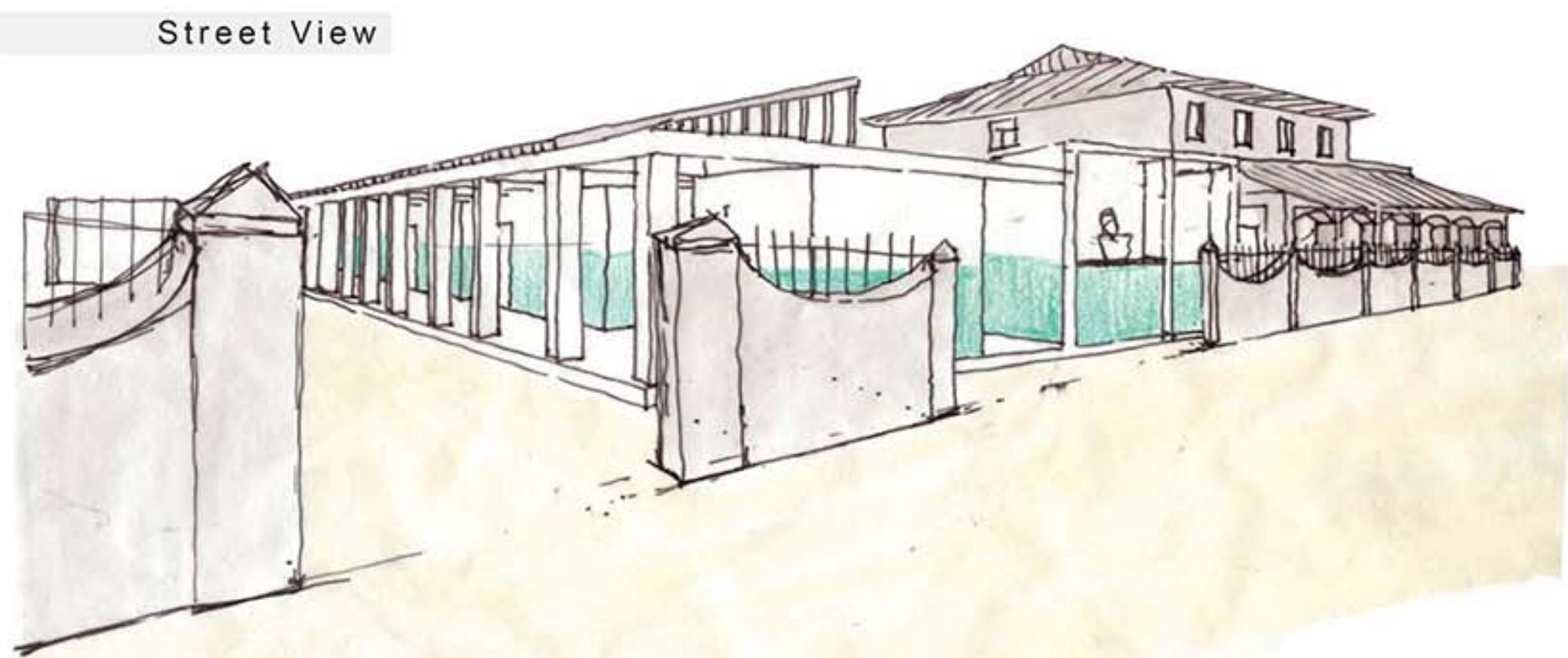
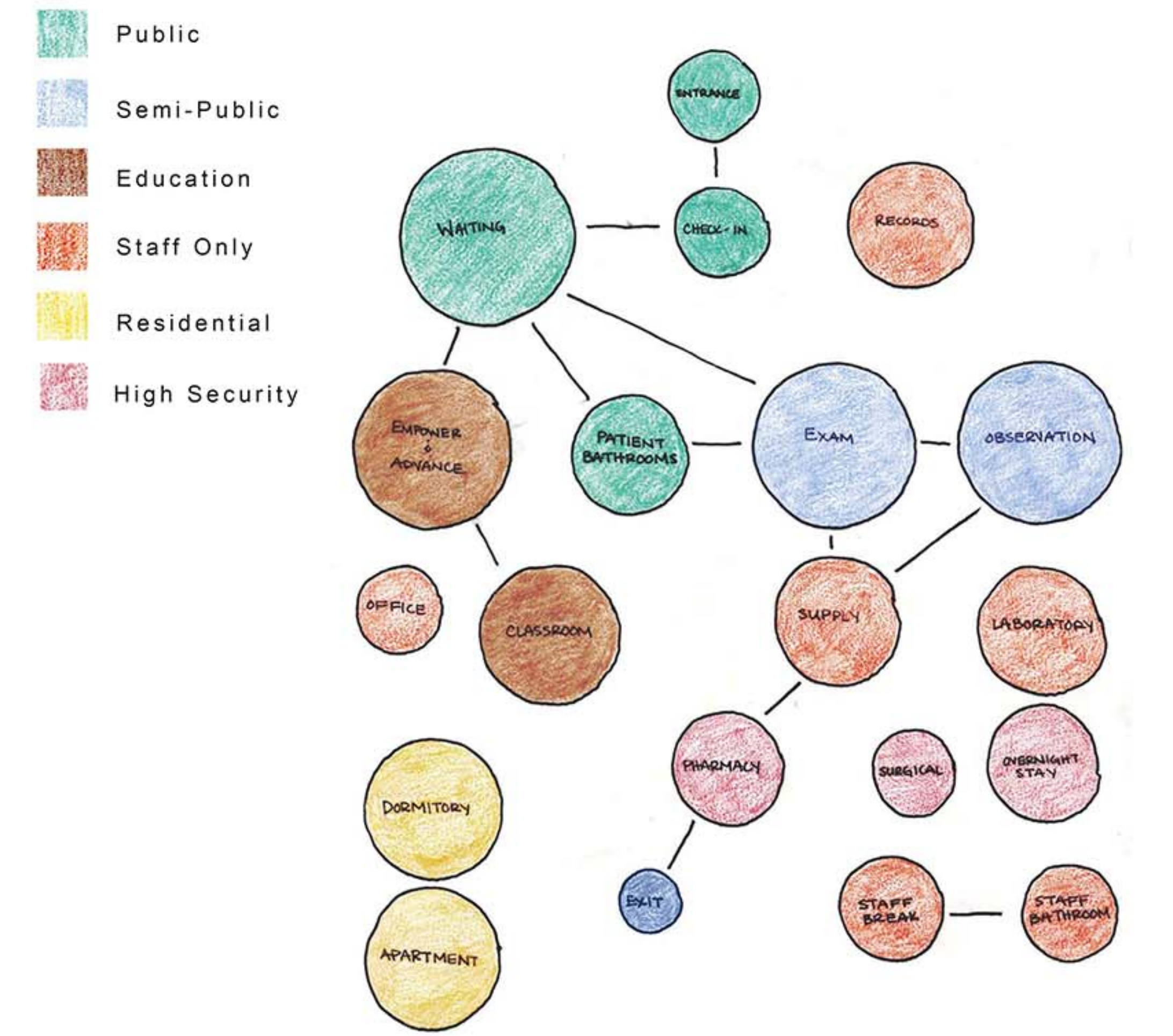
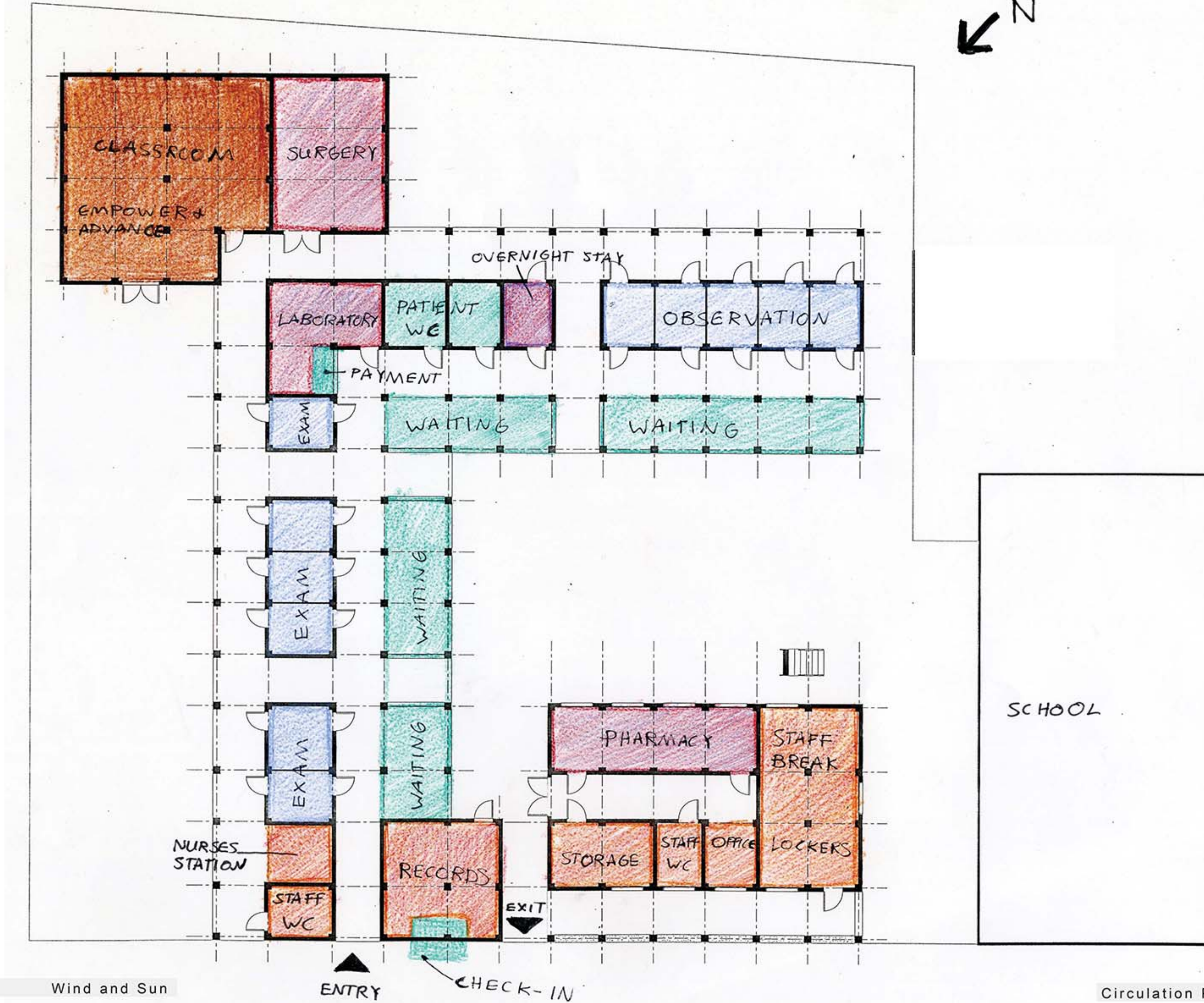
Concept & Perspectives

Floor Plan Programmatic Plan

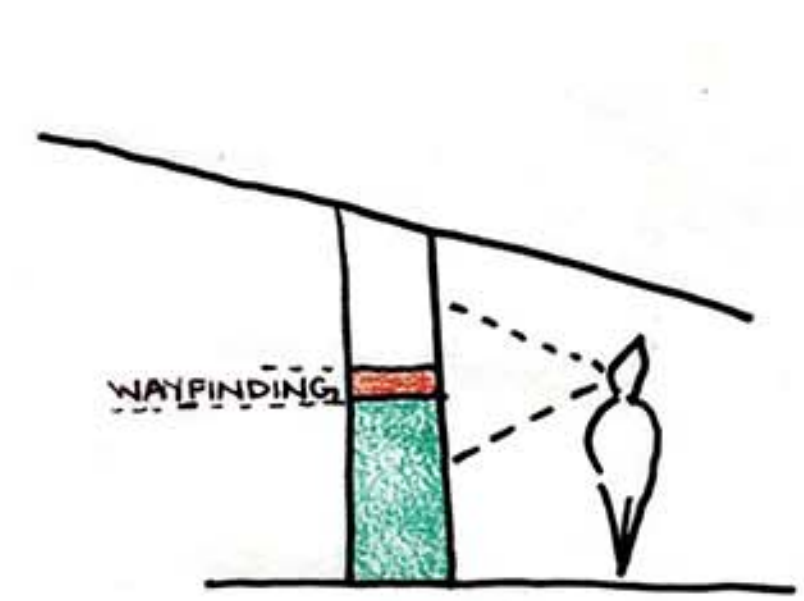
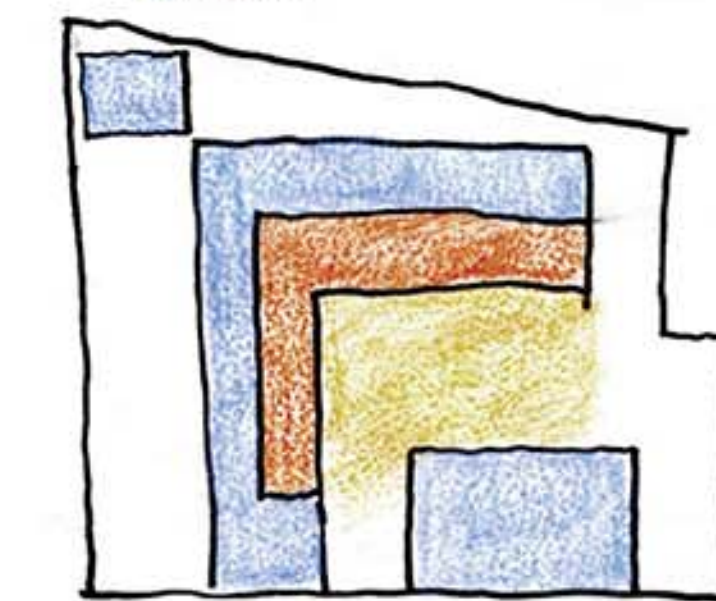
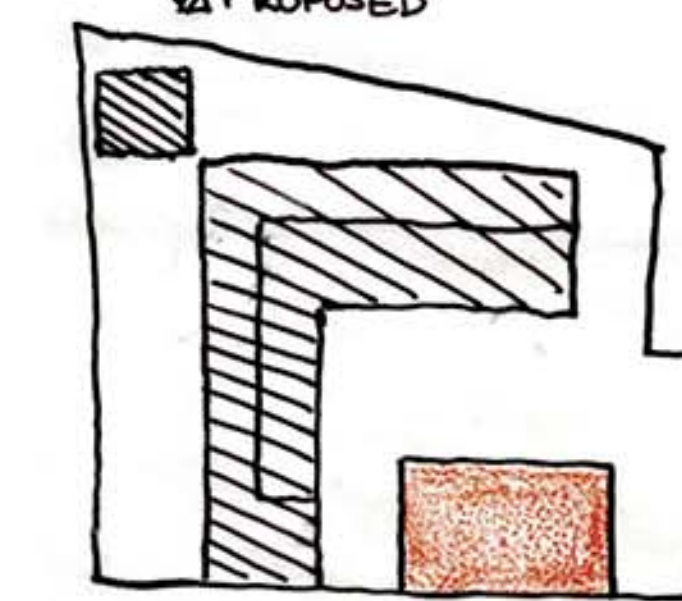
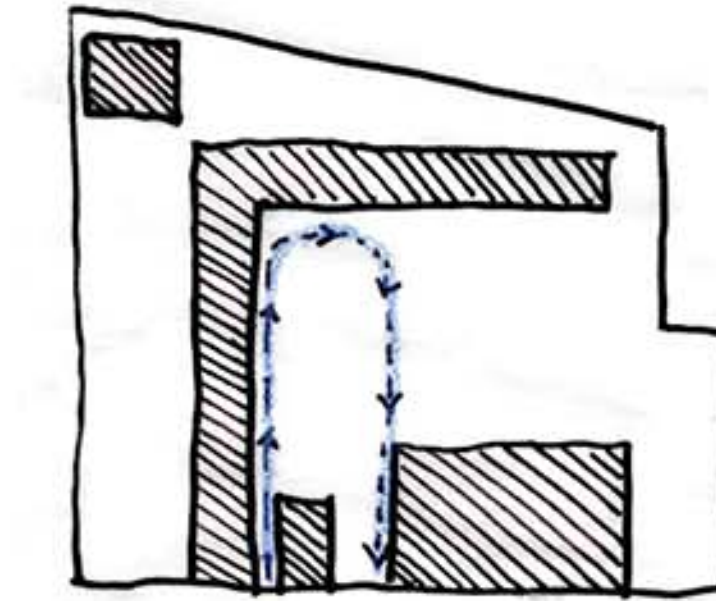
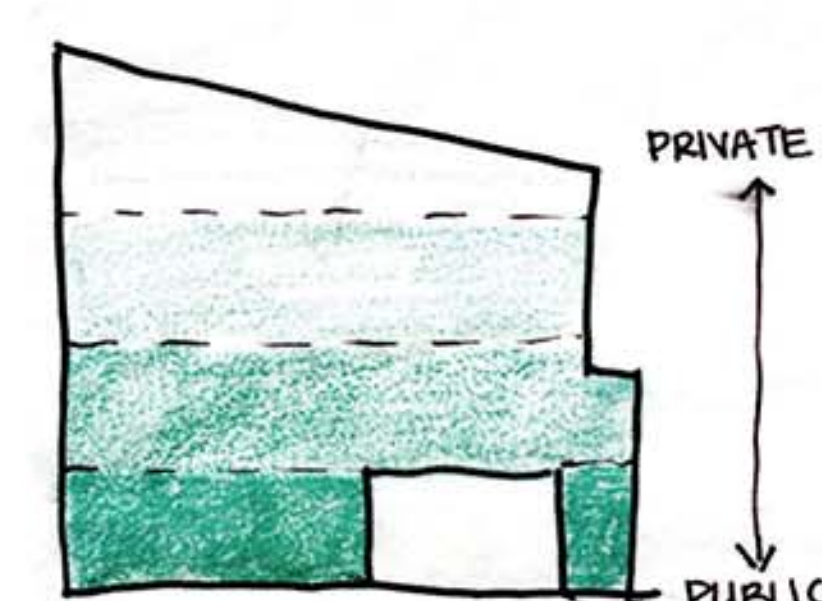
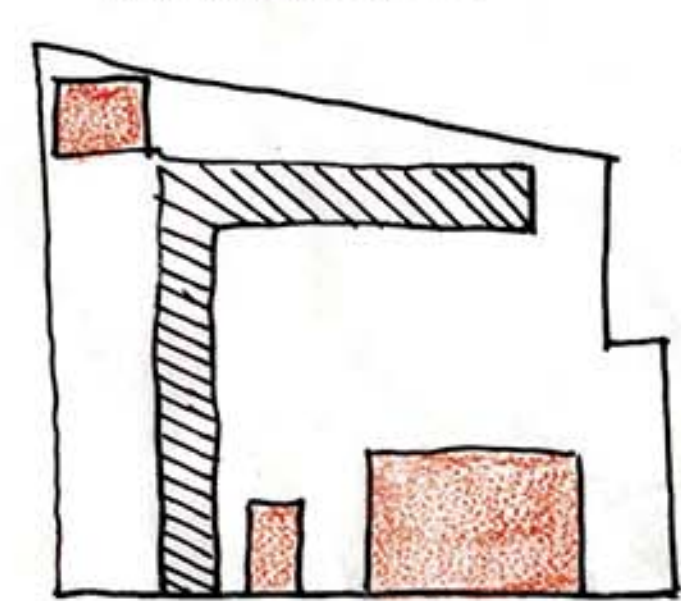
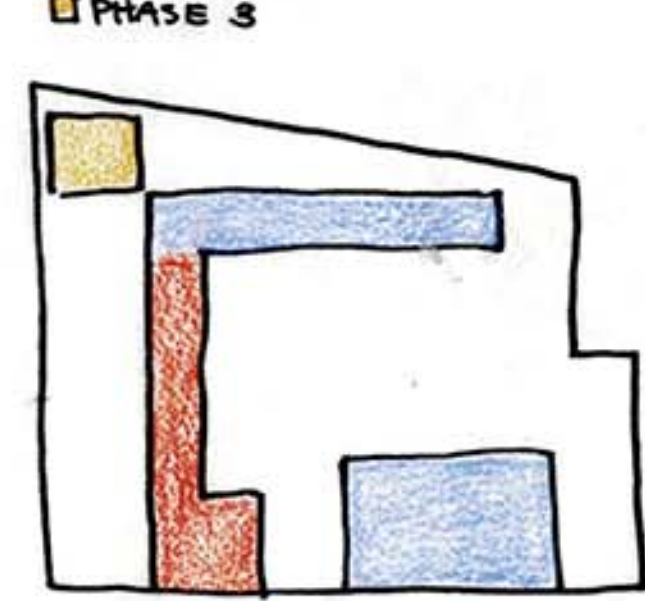
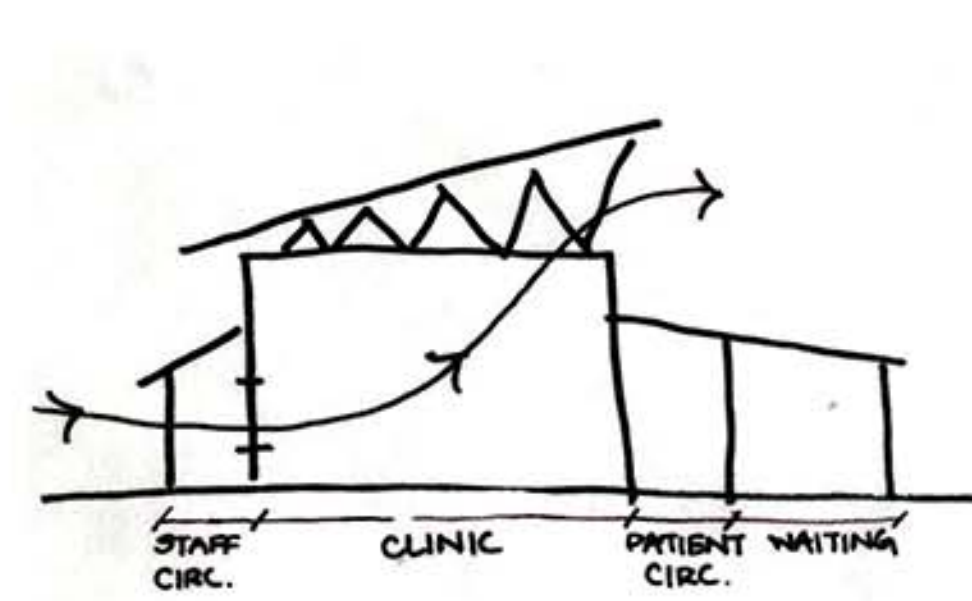
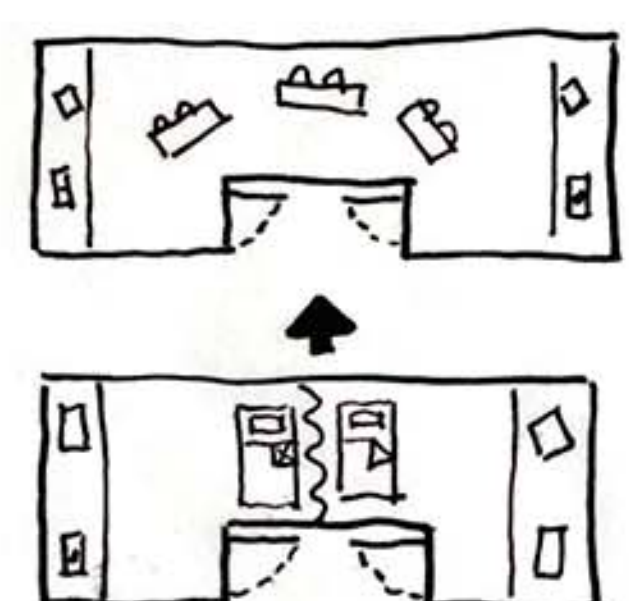
Adjacencies & Security Level

Our team's intent in designing the medical clinic in Fort Liberté is to create an environment that while also promoting a well organized and structured atmosphere. While we felt that the main priority should ultimately be health of the population in the community, we also believe that through creating a structured atmosphere through a system of color coding and symbols we can design a calm atmosphere in which feel safe and secure. This is extremely important for citizens that may never have been in a clinical environment.

Through our medical research of both Haiti and the United States we were able to set up a series of prototypical plans that we believe will guide us to the best solution for the site layout. By analyzing our heuristics, proposed adjacencies, and the existing building we were able to create a preliminary plan that incorporates both our concept of visual organization and the principles of healthy, sustainable, and passive design. Along with our preliminary plan our team is looking at several roof options in order to find the optimum fit for maximizing passive ventilation, lighting and sun shading.



Heuristics Fort Liberté Clinic



Flexible Spaces

Directing Airflow

Phasing Considerations

Separate Secure Spaces

Occupancy Zoning

Comprehensive Circulation

Use of Existing Building

Use of Intermediate Space

Color Based Wayfinding

Patients will have different needs and need different kinds of attention when they come to the clinic. To support this need we will provide space planning that can morph with its occupants by using flexible partitions and movable, modular furnishings.

Electricity in Haiti is spotty and often unreliable, so in order to prevent the spread of infectious diseases and vent the interior of the clinic it will be necessary to properly direct and maximize natural airflow by considering building orientation, fenestration, and local methods for preferring partitions like vent blocks and iron work.

Construction in Haiti is a much more lengthy and labor intensive process than it is in the US. Therefore it is especially important that proper phasing is specified that allows the clinic to continue functioning throughout the building process.

The clinic will be storing sizeable amounts of medication and sensitive equipment along with employee belongings and patient records. Separation of these spaces will be necessary in order to maintain order and security.

Organizing the site based on the occupants will help to dictate volume, privacy level and security of spaces. This will be accomplished by using wayfinding, appropriate adjacencies and buffer space.

Preventing confusion in an already hectic environment like a clinic is crucial to maintaining a properly functioning environment. By indicating a clear and simple circulation pathway for patients we can aid in the flow of the clinic and prevent bottlenecks and crowding.

Natural resources are scarce and precious in Haiti. As such, it is crucial to maximize what it already exists on the site. This is made possible by using the existing building to consolidate the pharmacy and private employee spaces.

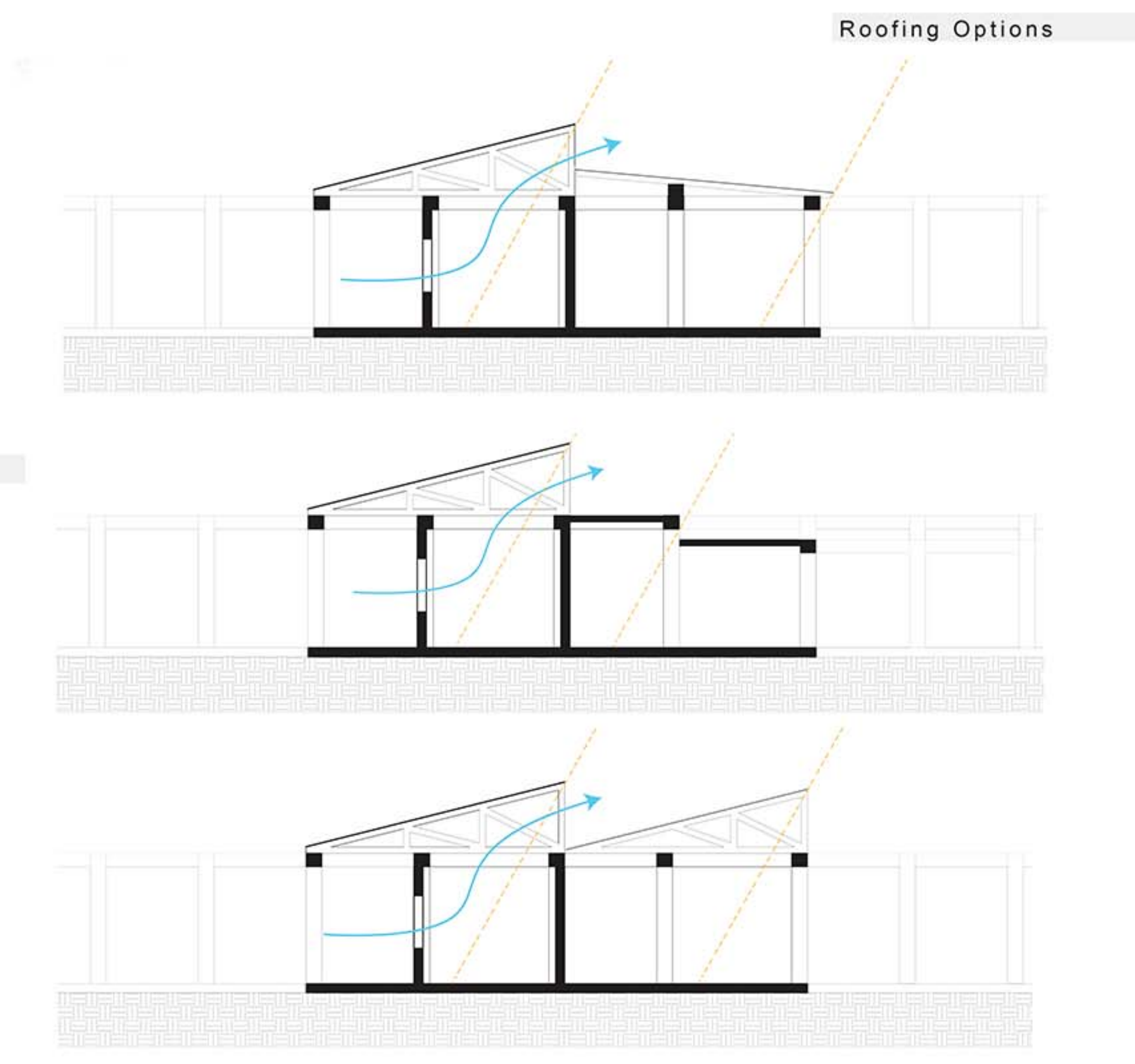
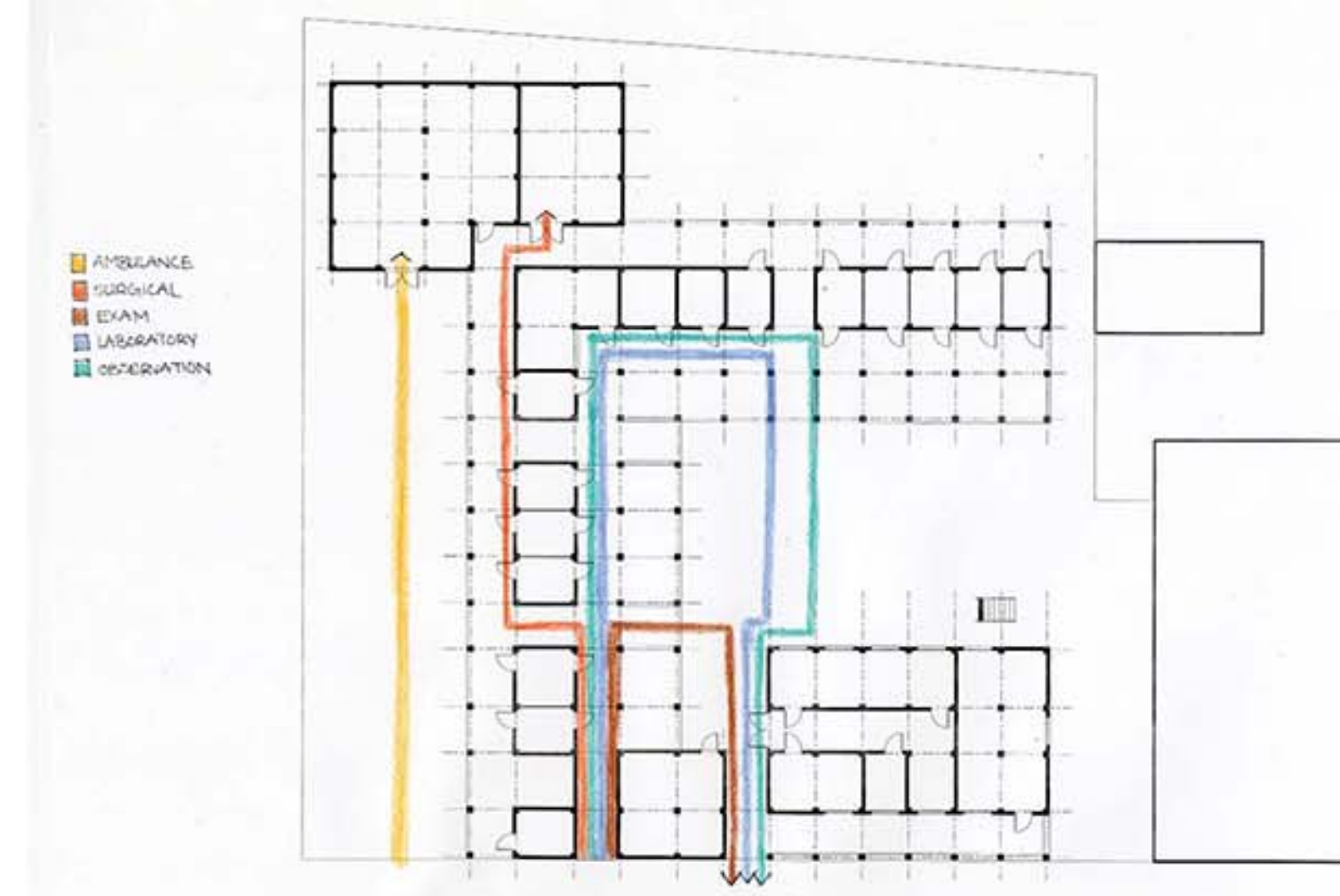
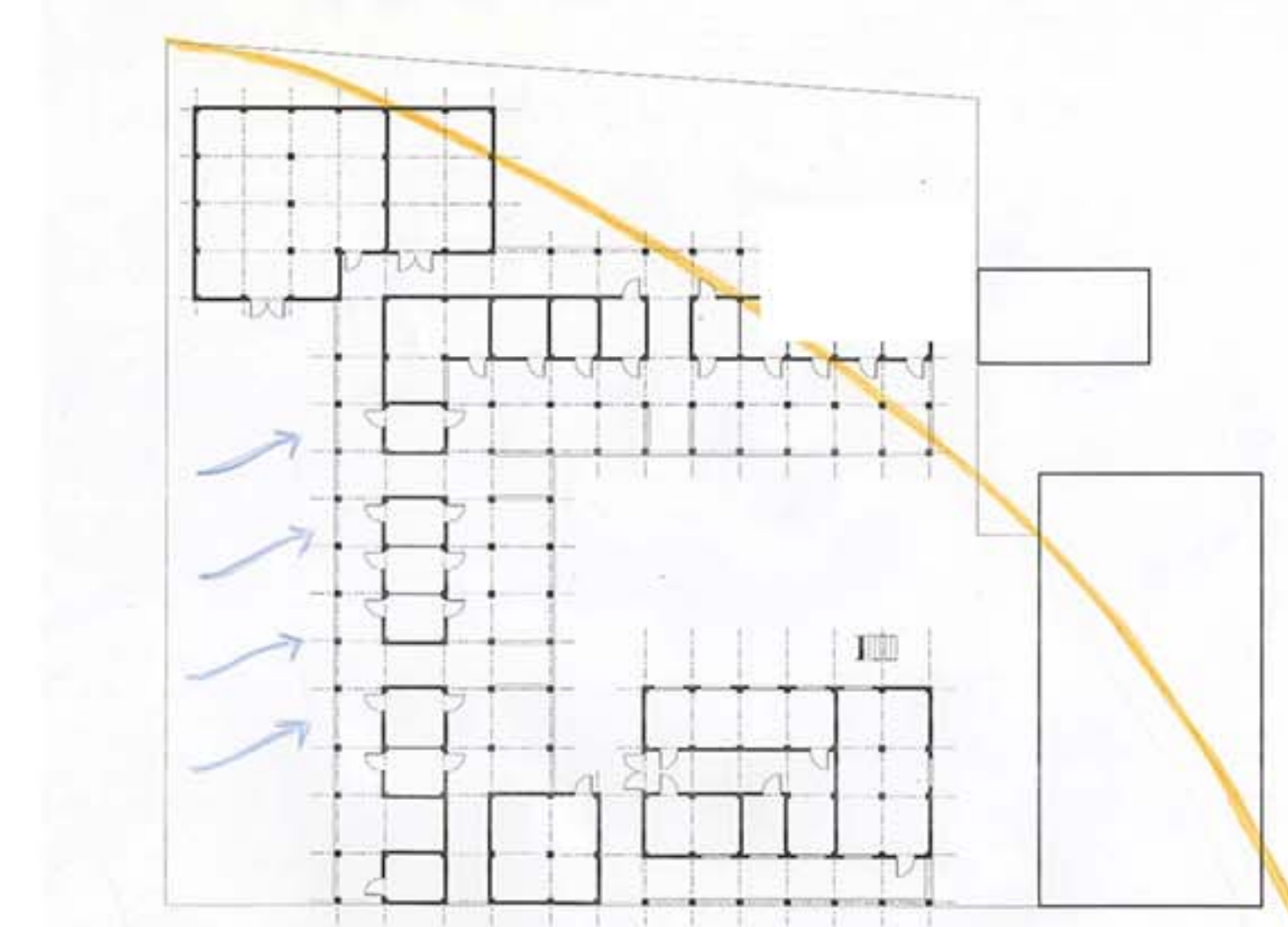
In order to reduce crowding and minimize "built space" we will be using intermediate space that is neither inside nor outside to accommodate the majority of circulation and waiting spaces.

Literacy rates are poor in Haiti so it will be highly necessary to guide patients through the site without the use of worded signage. This is possible by using differentiating spaces using color and placing colored bands at eye level along the walls that patients can follow to their destinations.

Wind and Sun

ENTRY CHECK-IN

Circulation Pathways



Roofing Options