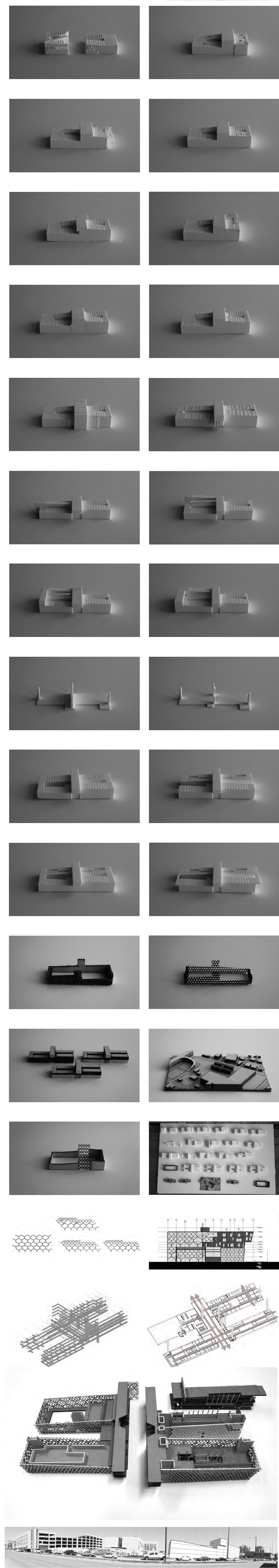
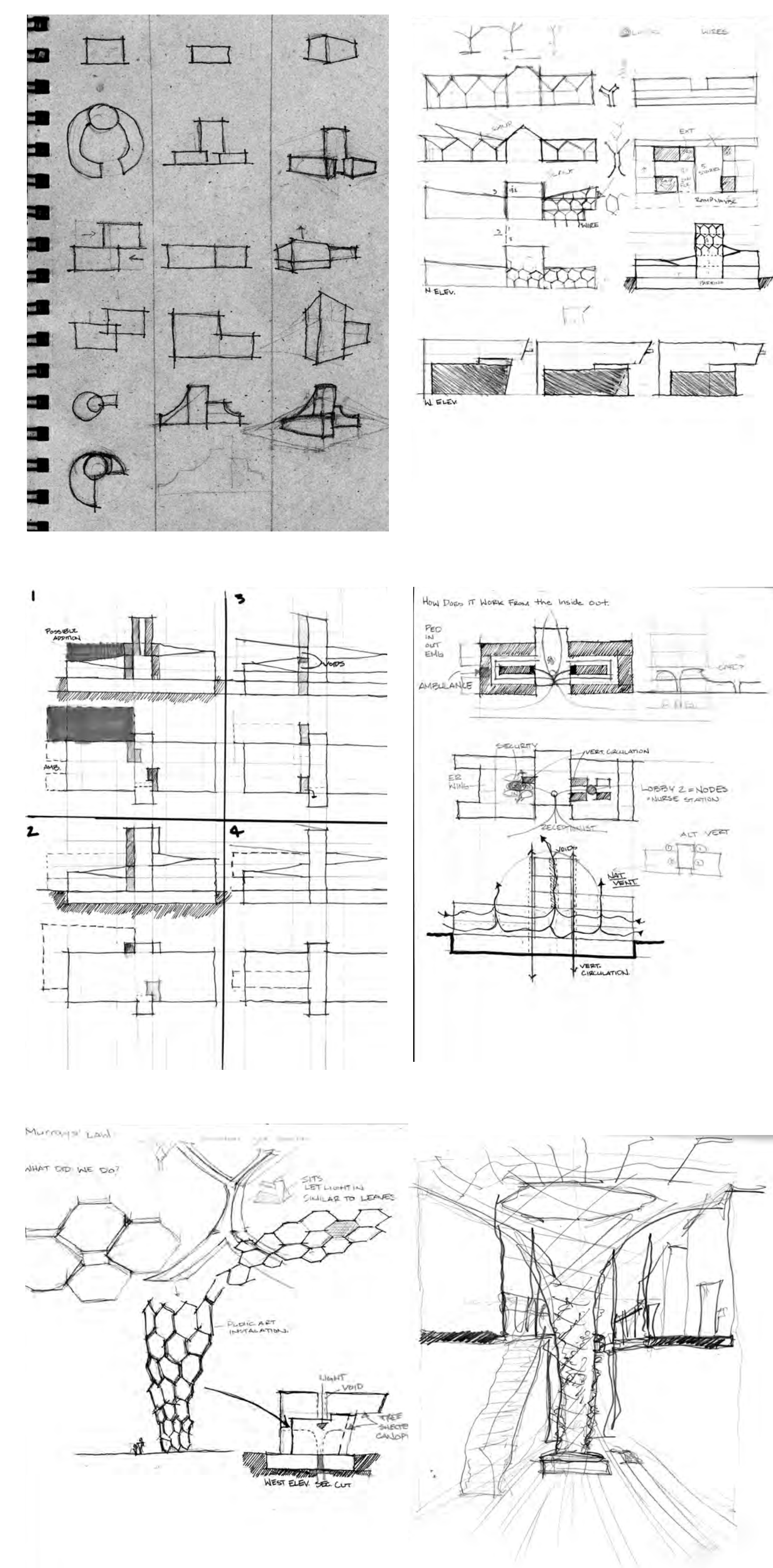


OAK HOSPITAL

PROCESS



BIOMIMETIC



Structure and Curtain Wall Create a Louvers Reducing Heat in Spaces While Optimizing Views and Light

In August 2005, hurricane Katrina destroyed and flooded most of New Orleans. Due to the hurricanes, many people were traumatized requiring a place to recover. In addition to trauma, healthcare facilities should focus on rising healthcare conditions such as heart conditions, diabetes, cancer and asthma. Overall, designing a well-rounded healthcare facility should embrace the context, allowing the spaces to heal occupants physiologically by incorporating nature and the landscape.

The next step to this puzzle is to observe how biological evolutions have transformed in New Orleans. These studies will allow for discoveries on how specific natural features can generate architectural structures. By researching biomimetic elements throughout New Orleans (specifically the Seven Sister Oak Tree) I will hopefully discover elements that assist my design.

As we continue to separate from nature, we are potentially decreasing the ability to nurture from it. Throughout my design, a subconscious healing environment will be created through the fusion of biophilia and the built form. Spaces will be formed by natural materials followed by passive systems, forming an ecological building. A key element to my design will be the integration of air, light, water, and plants within every room, if possible.

LOBBY

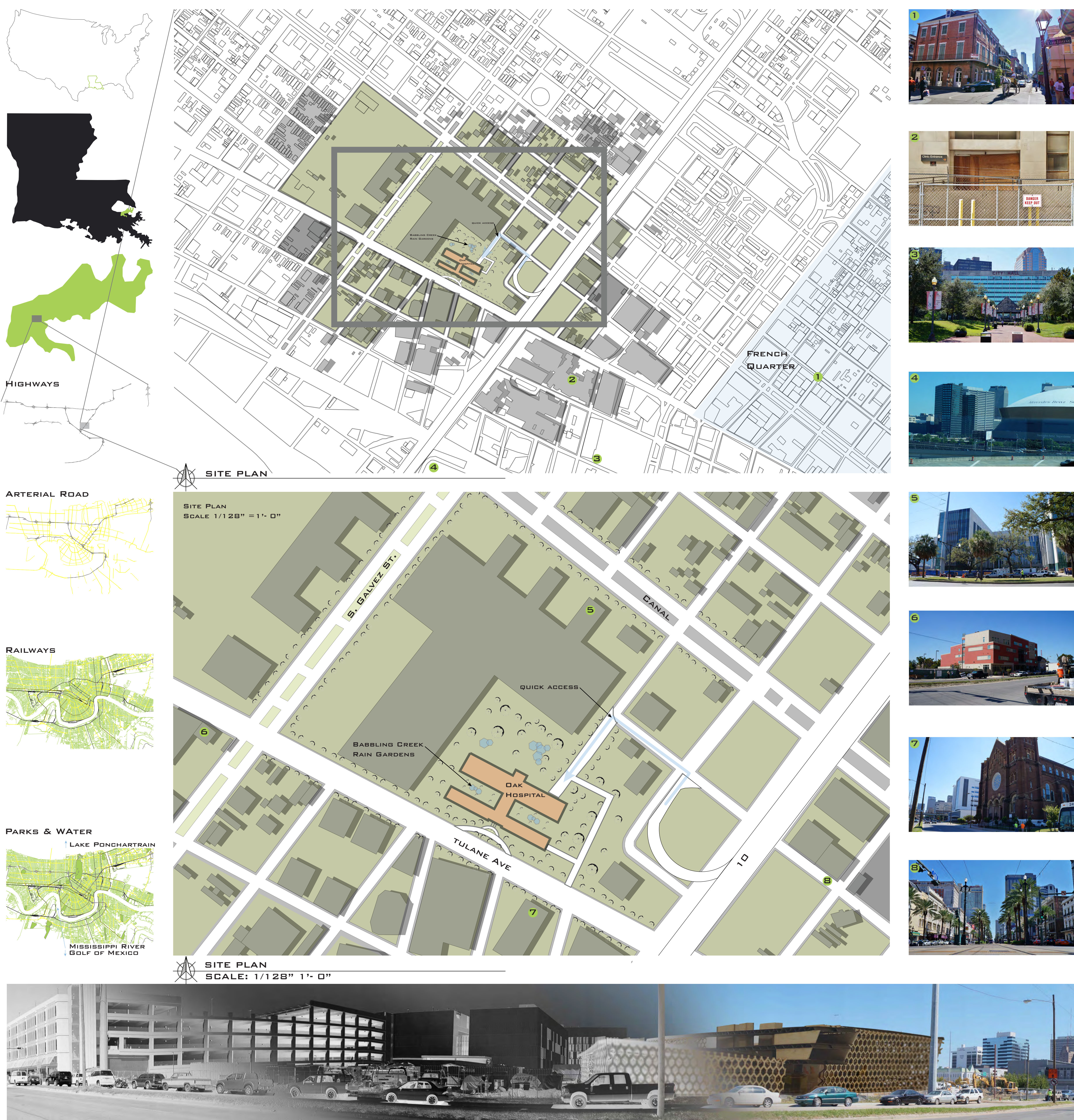
Biophilic Lobby – Wings Are Closed Off Unless Desired To Have Natural Ventilation



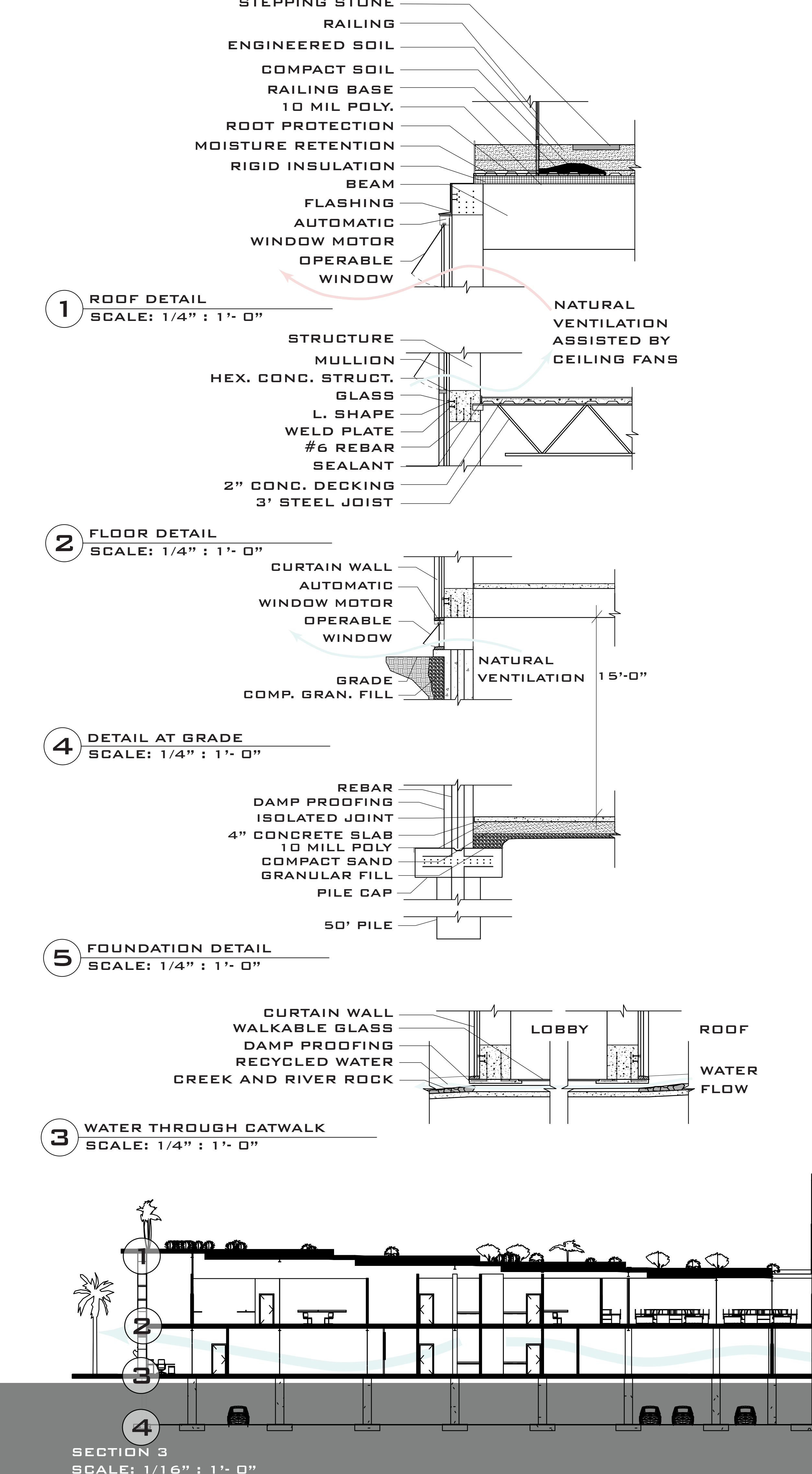
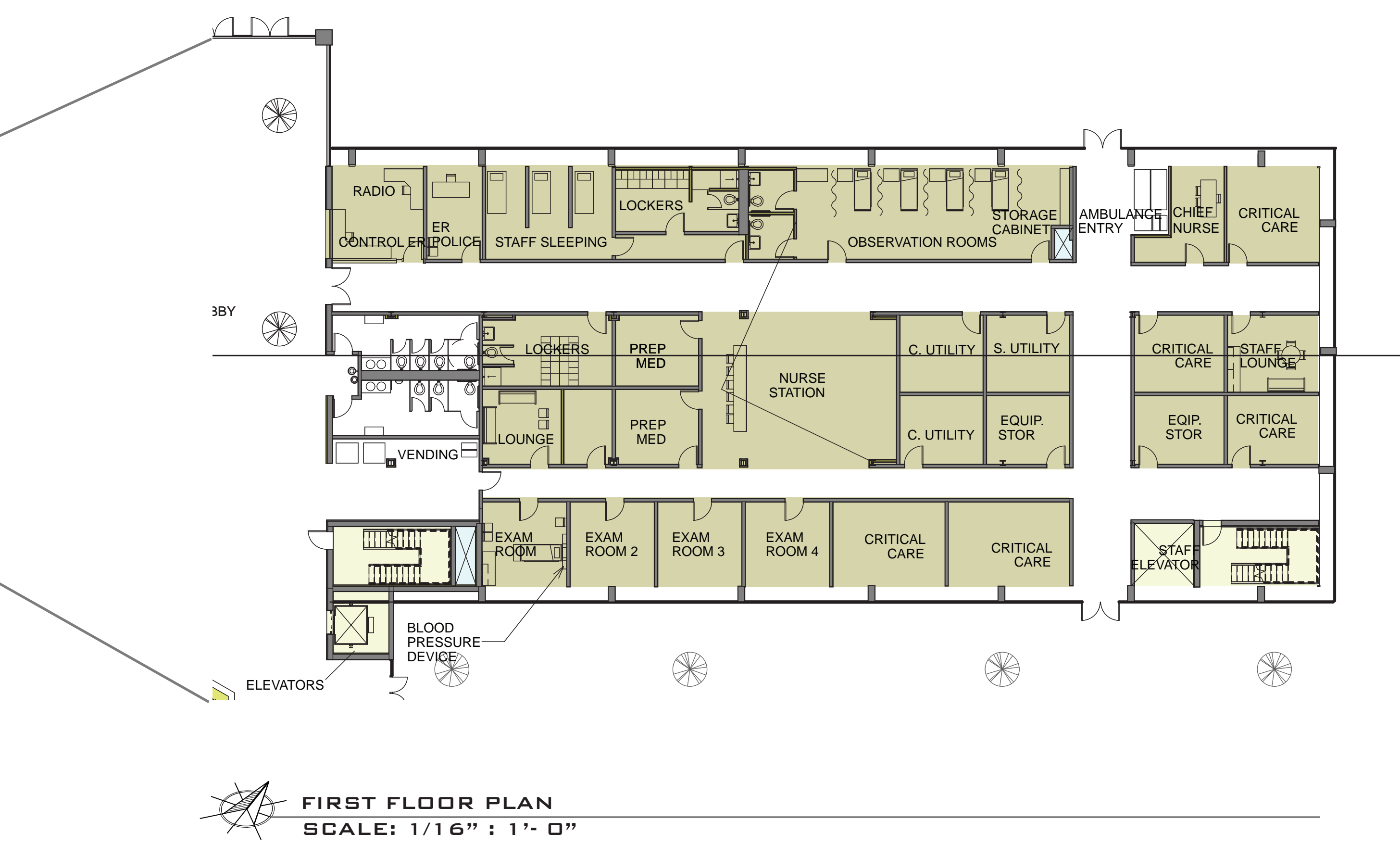
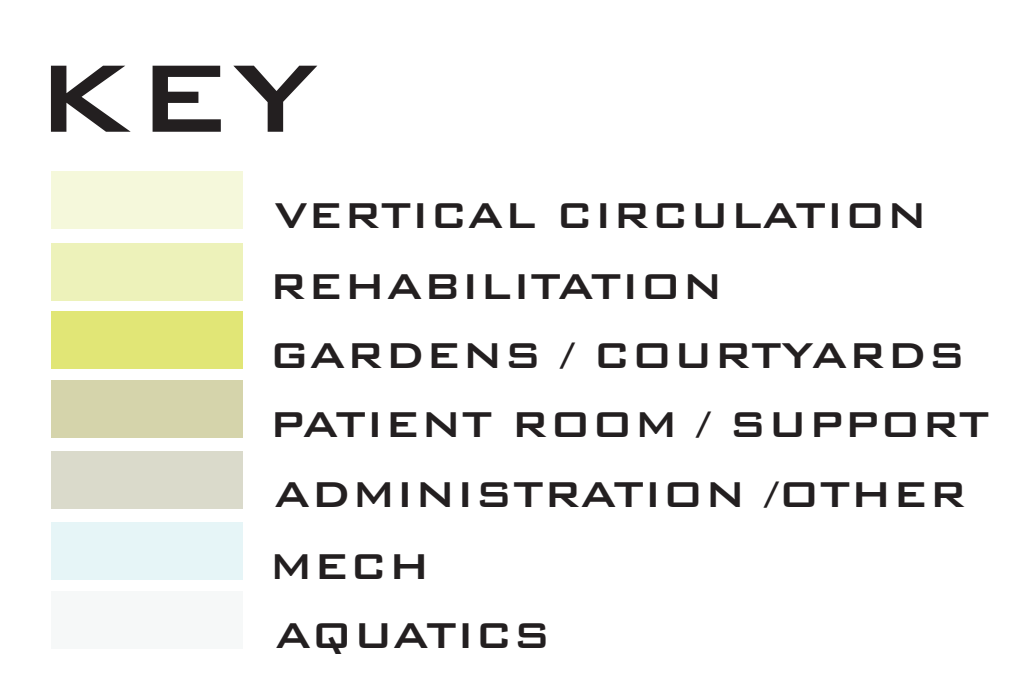
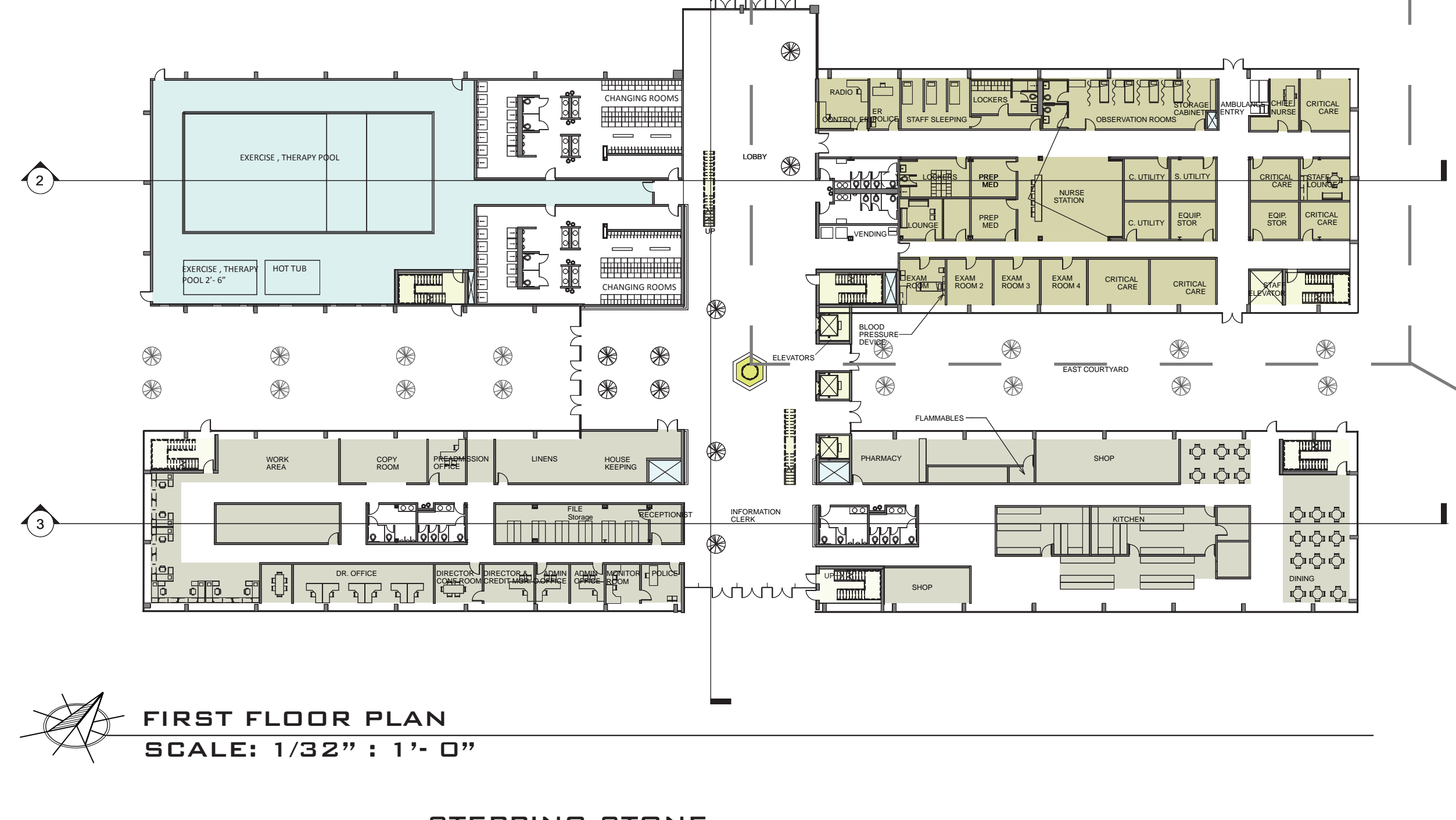
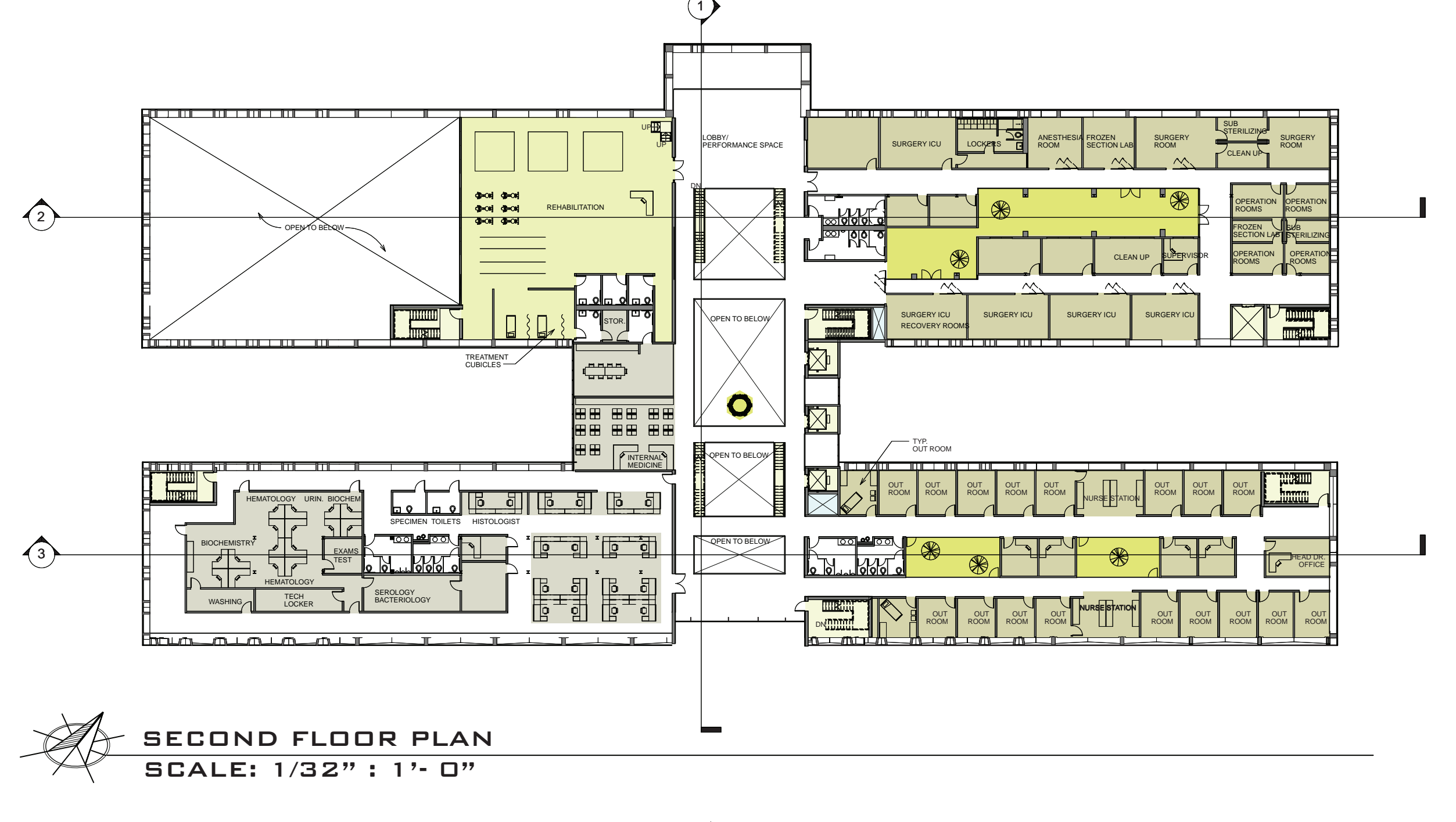
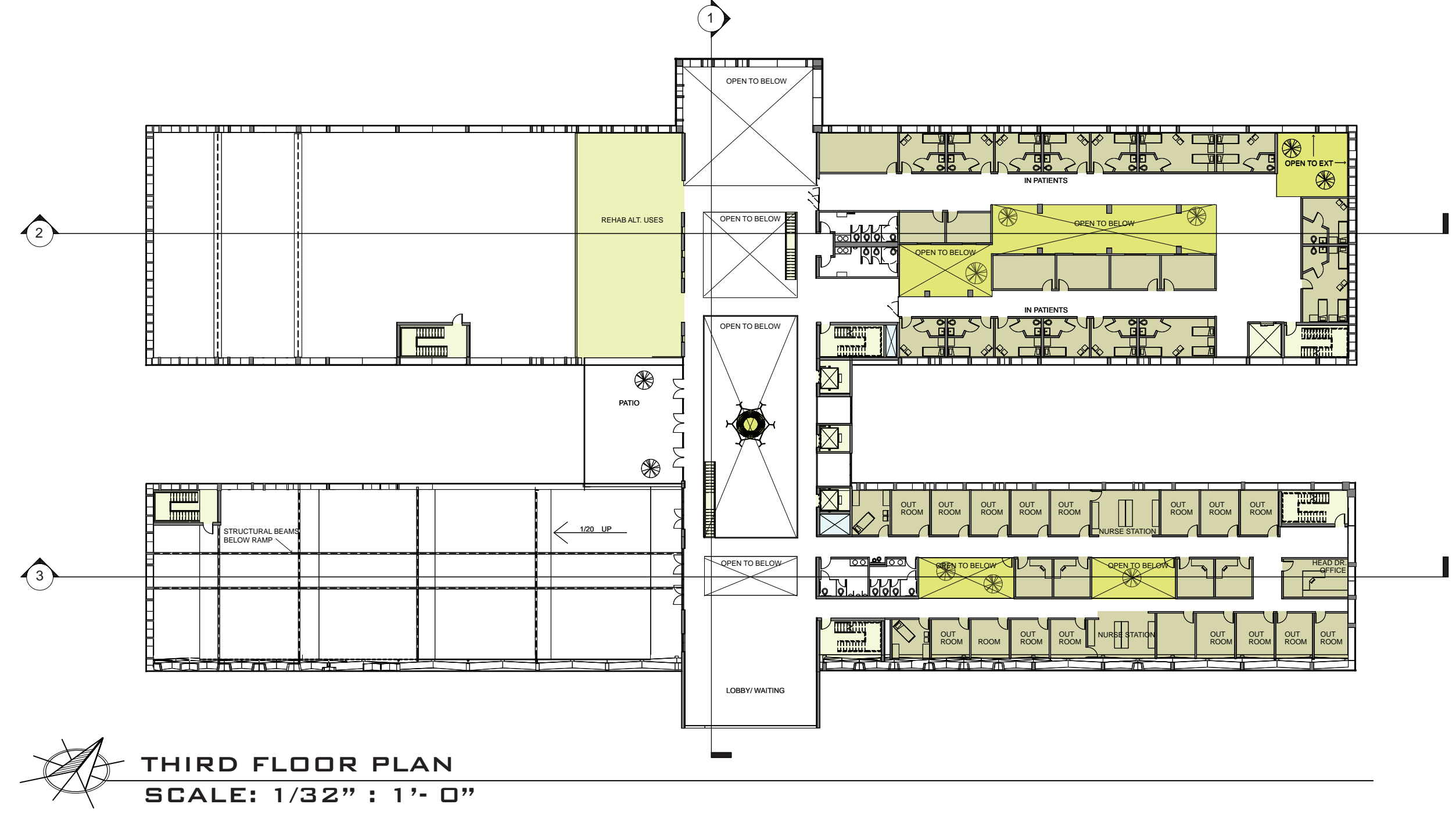
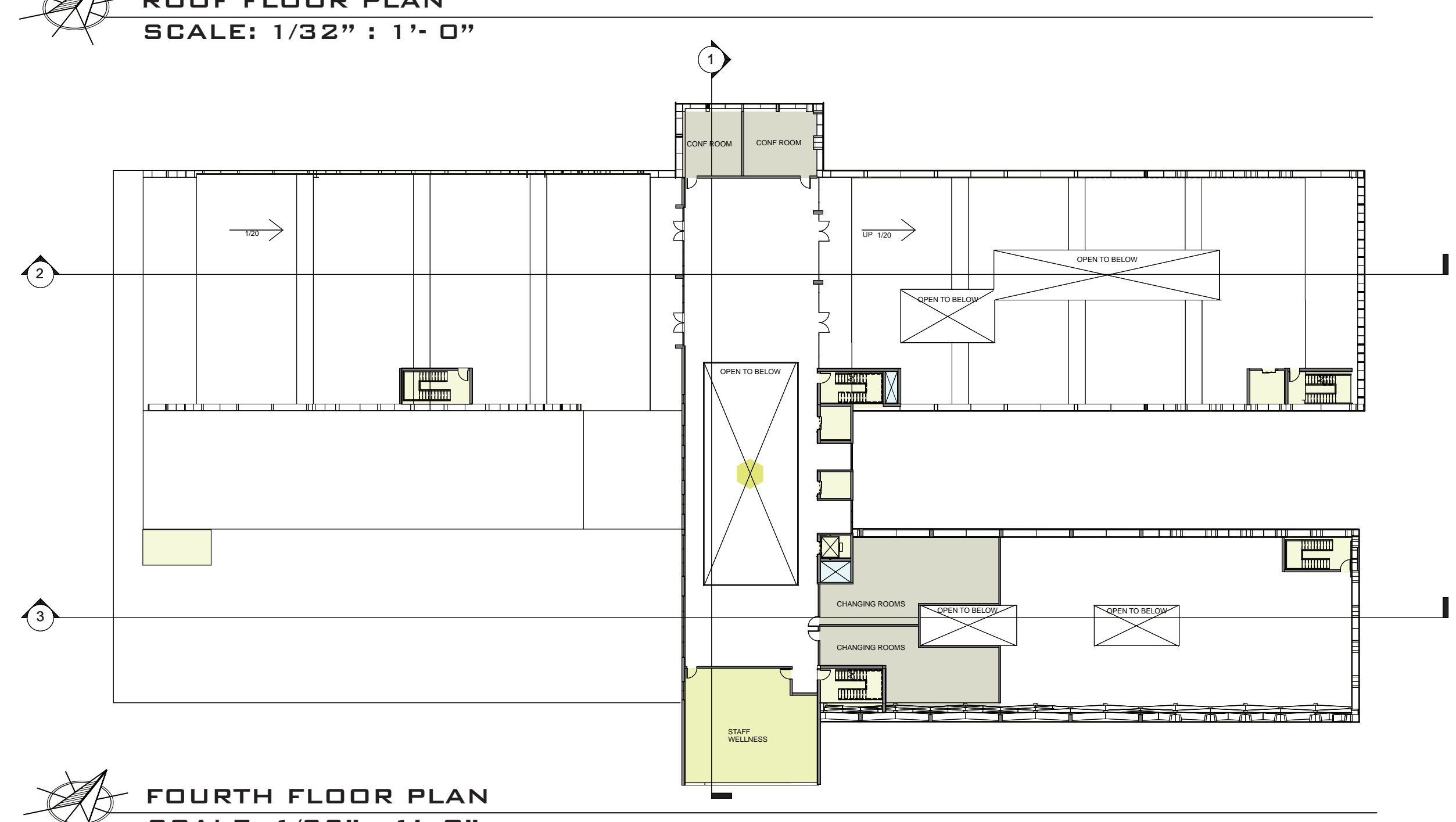
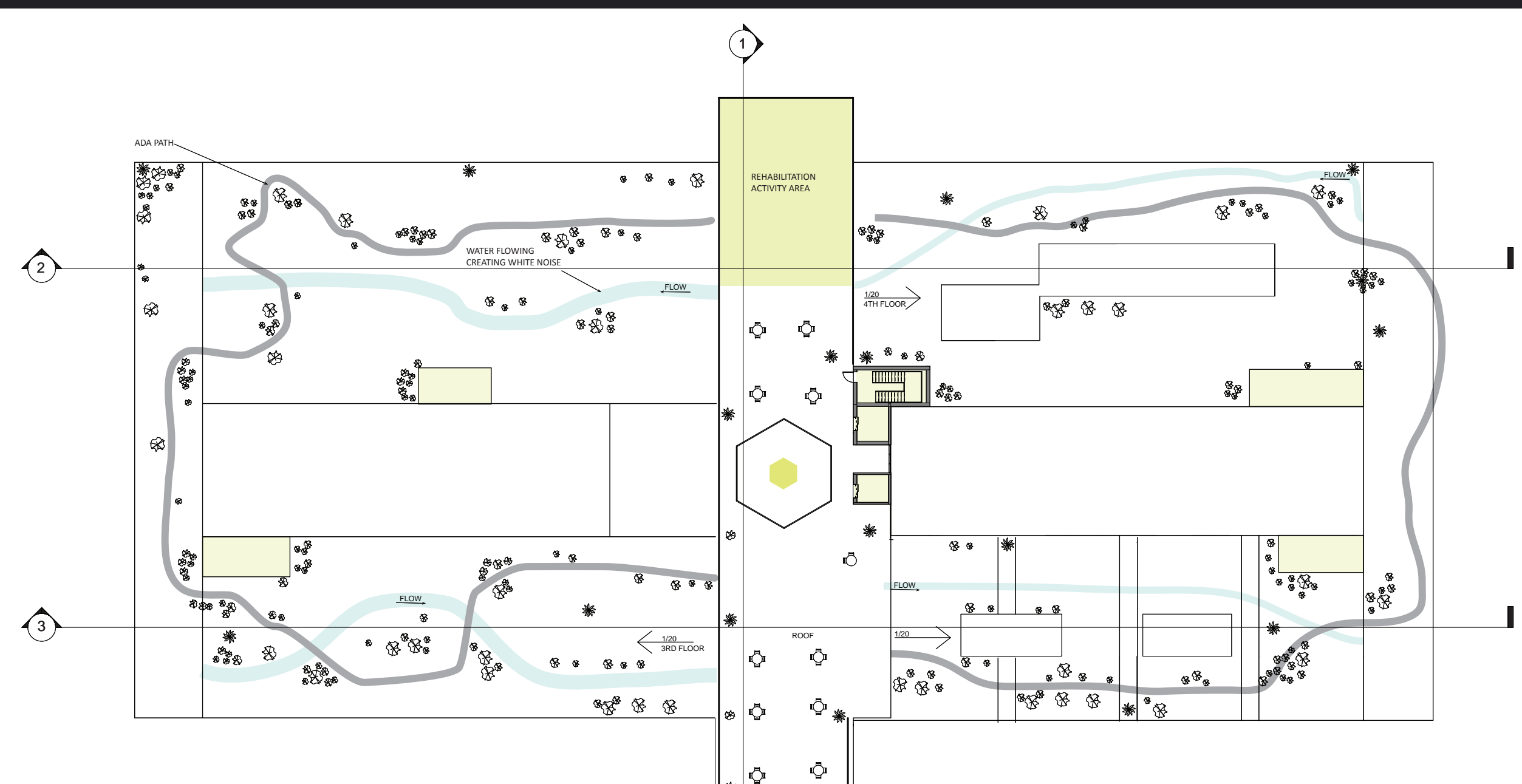
Natural Ventilation Opening and Dog Trot Ventilation
Artistic Symbolic Tree Linking Patients to A Place of Refuge
Cast Shadows and Plants Grow On It

Biophilic Lobby – Wings Are Closed Off Unless Desired To Have Natural Ventilation
Selected Plants Tested By NASA to Clean and Filter Air

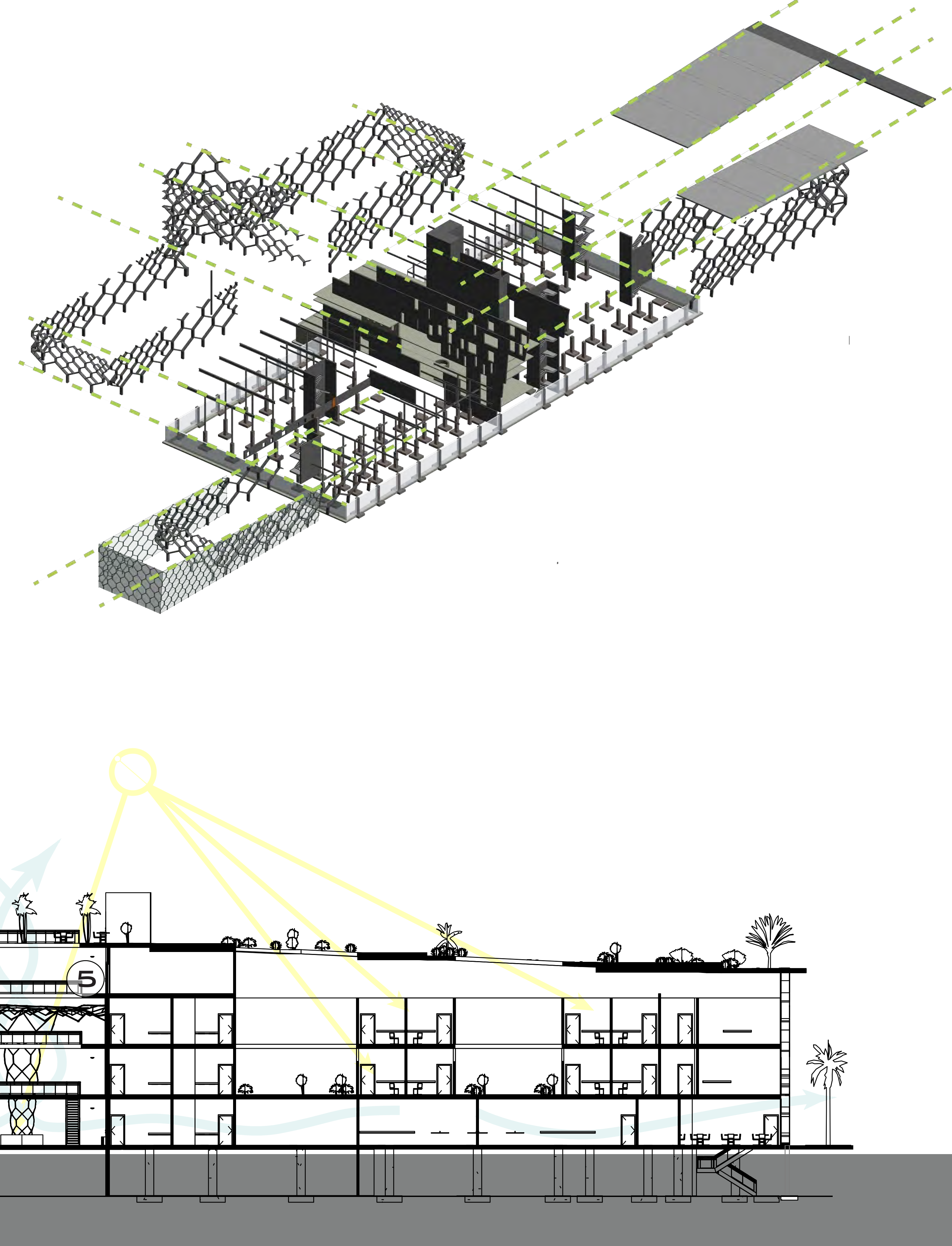
CONTEXT

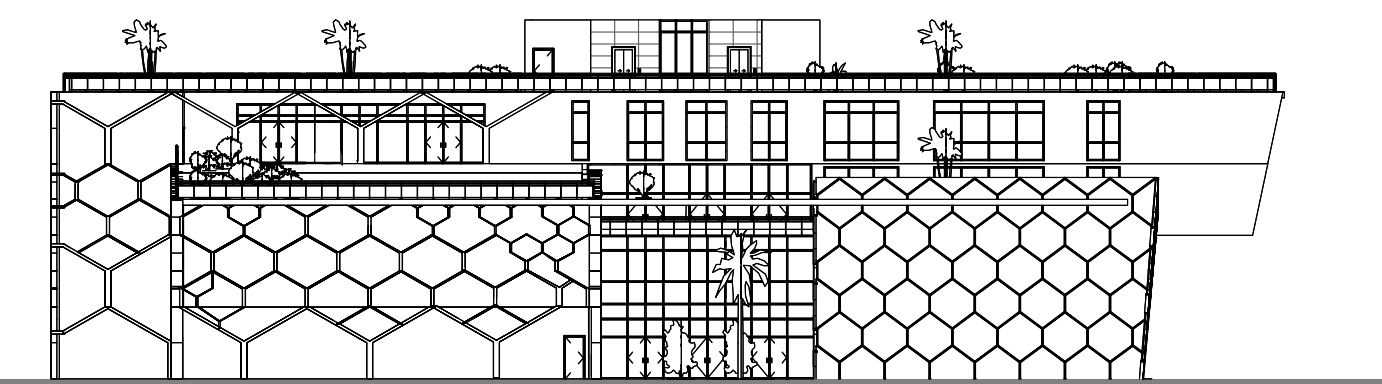


FLOOR PLANS

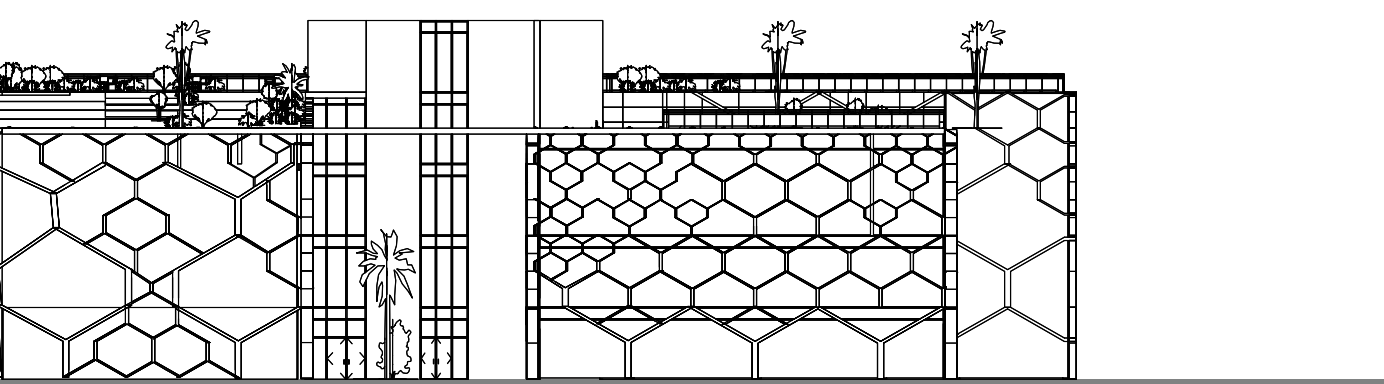


STRUCTURE

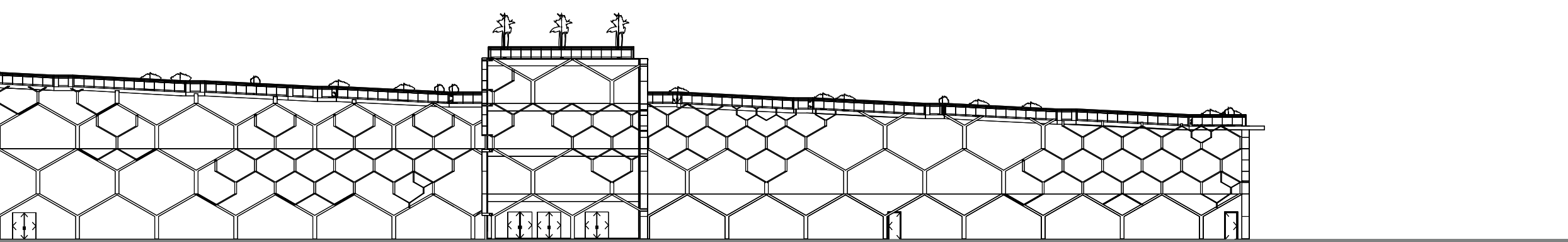




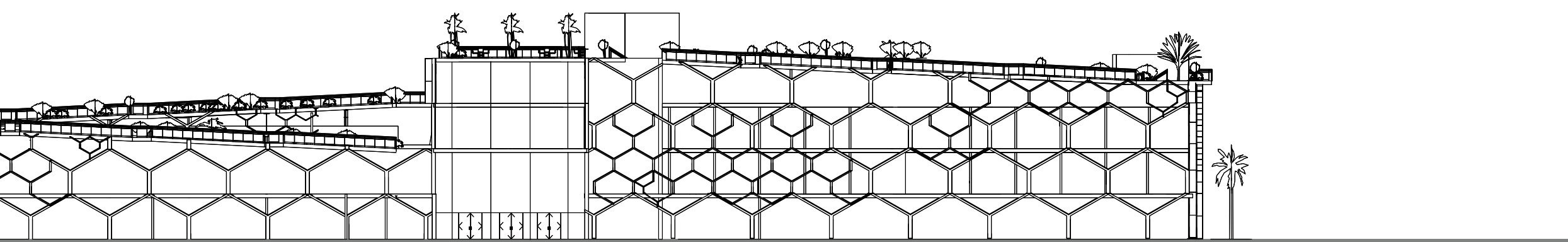
WEST ELEVATION
SCALE: 1/32" : 1'- 0"
ARCH 772 DESIGN THESIS
NAME: ESAU RODRIGUEZ
ADVISOR: MIKE CHRISTENSON
SOFTWARE : REVIT, AUTOCAD,
SKETCHUP, ADOBE SUITE, MAXWELL



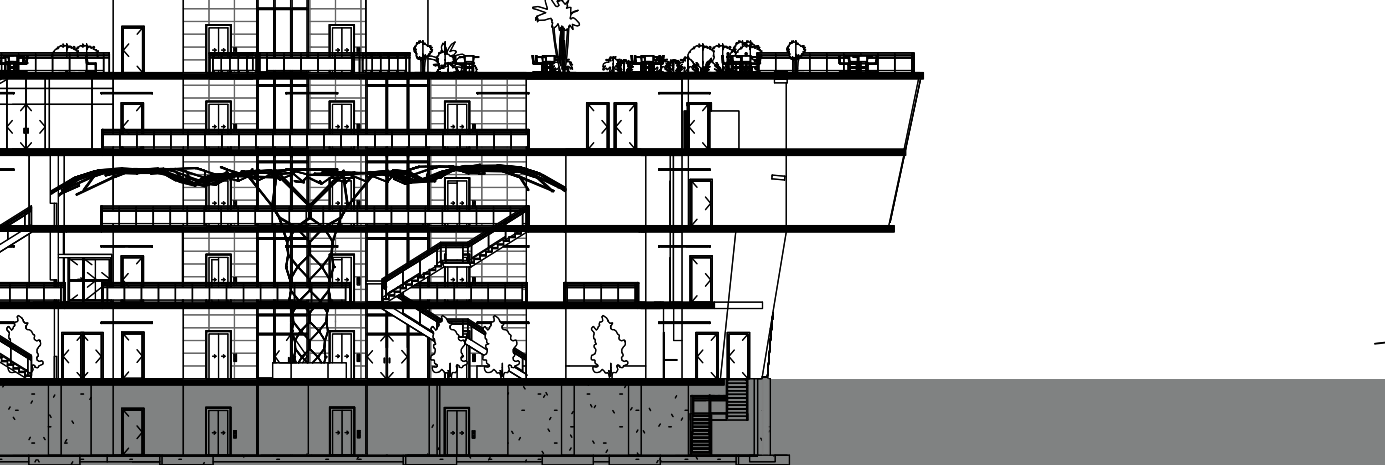
EAST ELEVATION
SCALE: 1/32" : 1'- 0"



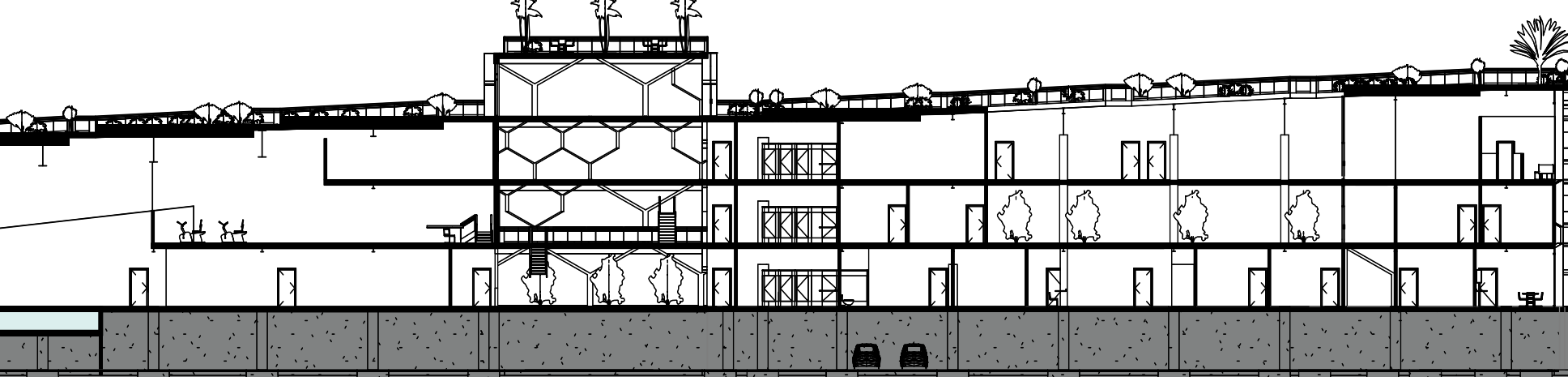
SOUTH ELEVATION
SCALE: 1/32" : 1'- 0"



NORTH ELEVATION
SCALE: 1/32" : 1'- 0"



SECTION 1
SCALE: 1/32" : 1'- 0"



SECTION 2
SCALE: 1/32" : 1'- 0"