

Kevin Plath

Contact

11738 Orchard Mountain Dr.
Houston, TX 77059
(281)785-1998
kplath89@gmail.com

Education

Louisiana State University (LSU), Baton Rouge, LA
Washington Alexandria Architecture Center (WAAC), Alexandria, VA
Bachelor of Architecture, Expected graduation May 2013

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Fish Market

Arch 3002 - David Bertolini - Spring 2011

The project is a fish market which not only promotes the selling of fish, but ironically expresses the message from the documentary "The Cove." We were assigned groups with specific climate conditions in which we had to select a city to match the conditions, and from there we each chose our own sites within the city. My group was assigned an arid climate, which led us to choose Dubai.

After doing research and site analysis, I began to focus on the development of the Dubai Marina. Instead of choosing a conventional plot of land, I decided to make the 21st-24th floor of the Larkfield residential tower my site. The buildings program includes the sellers hall, processing area, freezers, trash space, administrative offices, classrooms, a gift shop, and restrooms, and mechanical/electrical rooms.

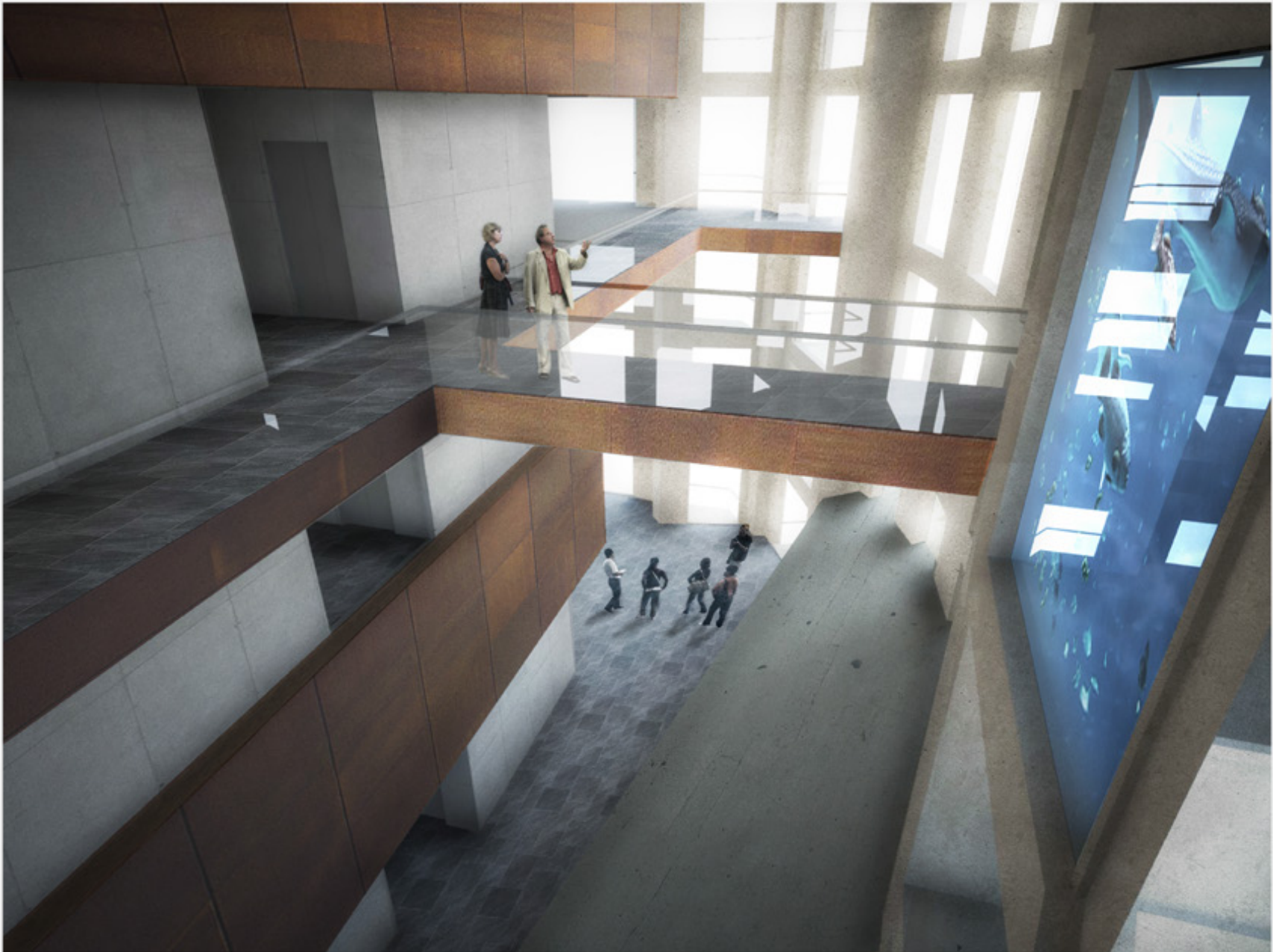
In order to express the brutality shown in "The Cove" a large aquarium to the side of the Larkfield was added. When one steps off the elevator, they look up to see fish behind the glass of the existing facade rather than the exterior. As the inhabitants continue to walk through the threshold of the existing facade, they enter a space with the aquarium full of fish visible in front, above, and below them, as well as a spiral staircase space traveling up through the water to the 24th floor causing the inhabitant to be completely engulfed by their surroundings. Adjacent to the aquarium space is the trash, processing area, and freezers which are all visible. The juxtaposition of these spaces bring forth the realization of what is normally overlooked in a typical fish market. With this in mind, the inhabitant can choose their own view on the matter whether it be to continue to buy fish, or possibly feel a bit uneasy and rethink what they are doing in the fish market.



Building Render

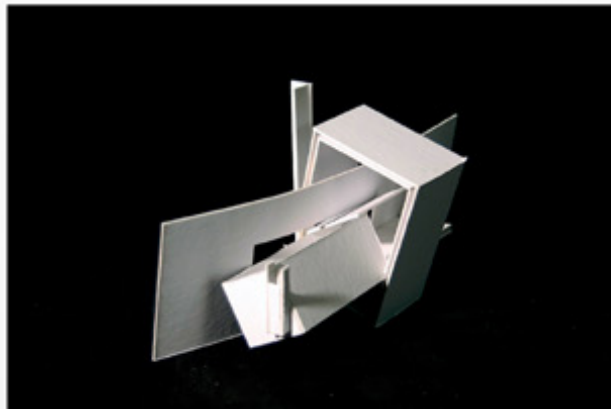
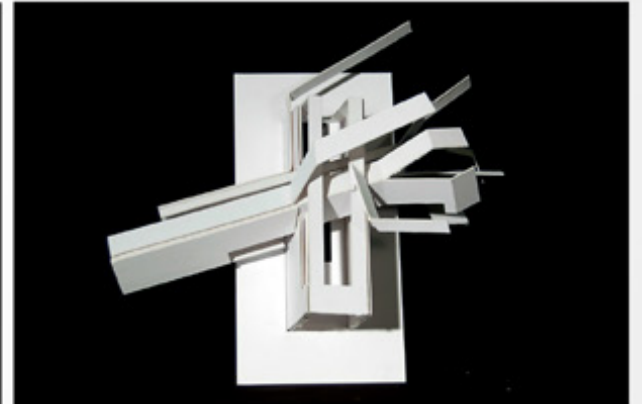
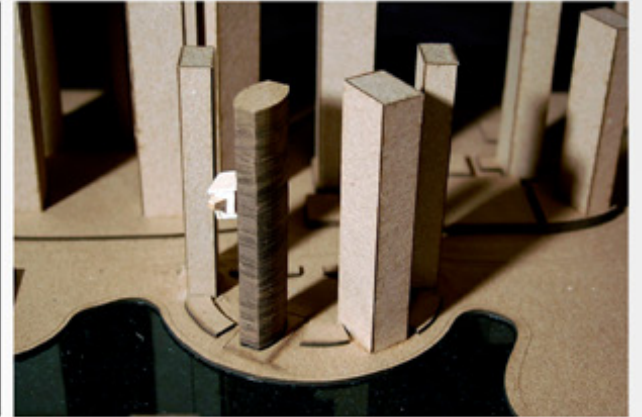
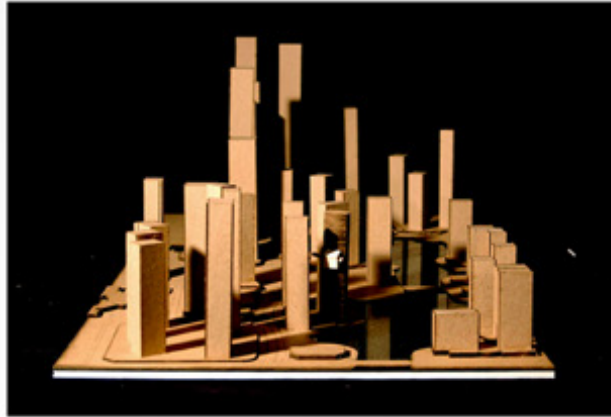
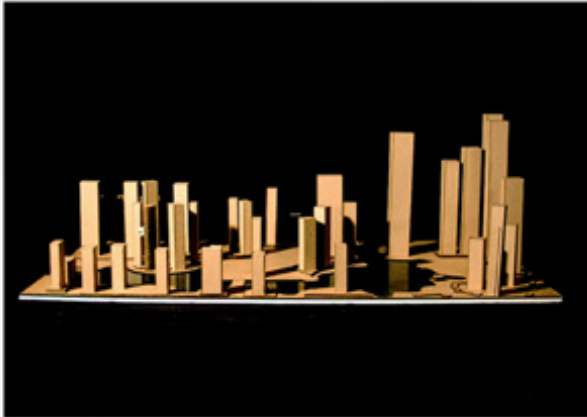
Fish Market

Interior Render



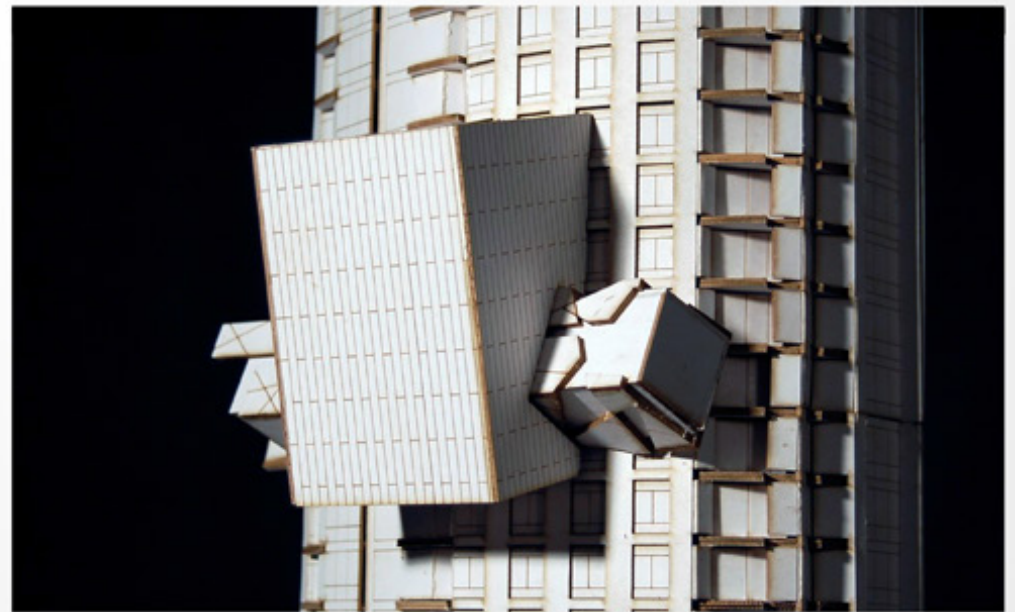
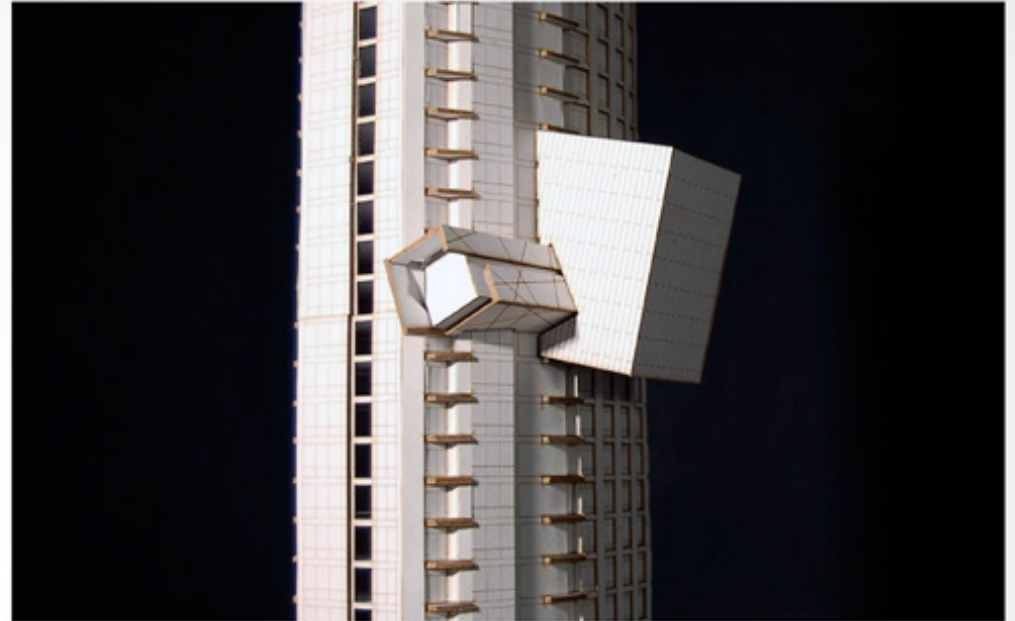
Fish Market

Process



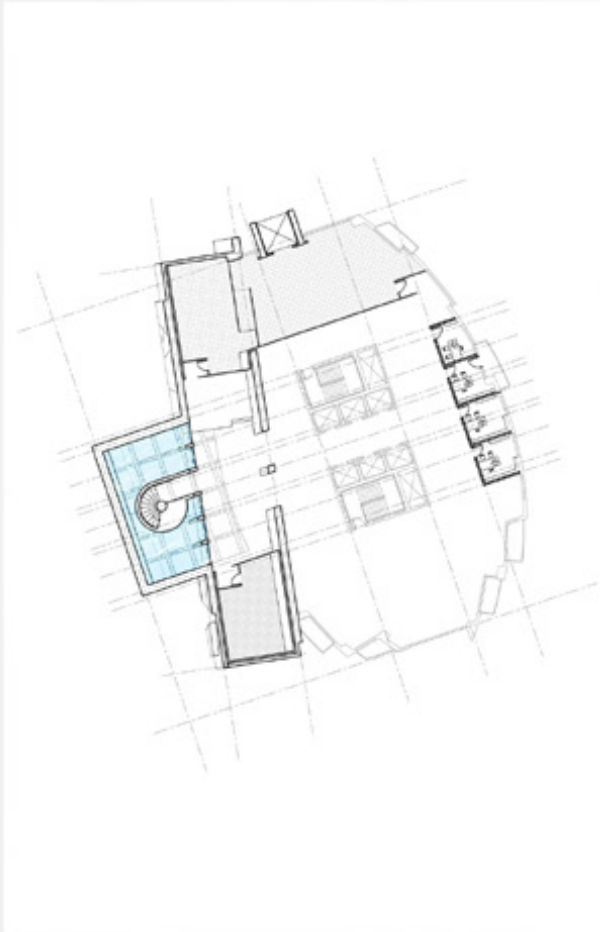
Fish Market

Model Photographs

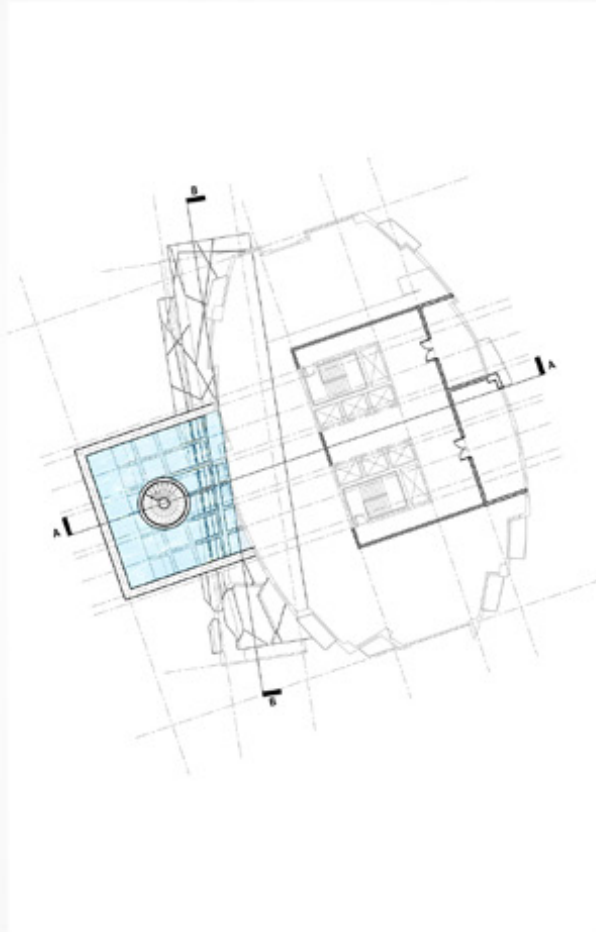


Fish Market

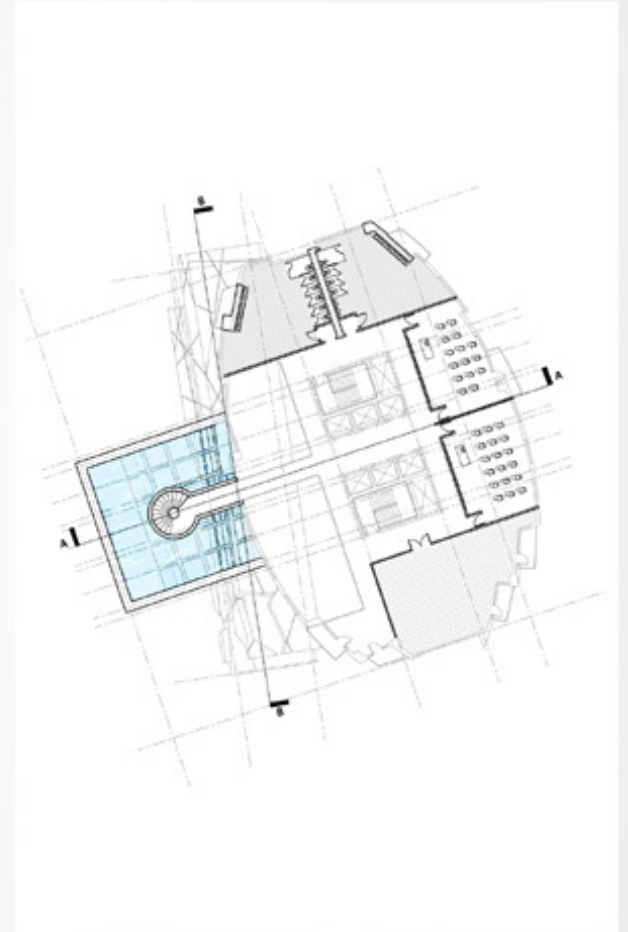
Drawings



21st Floor Plan



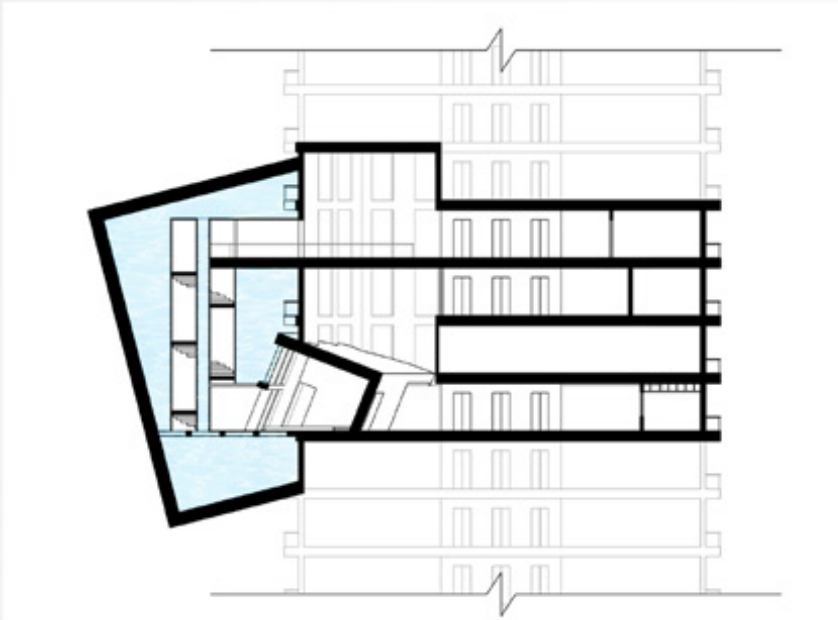
22nd Floor Plan



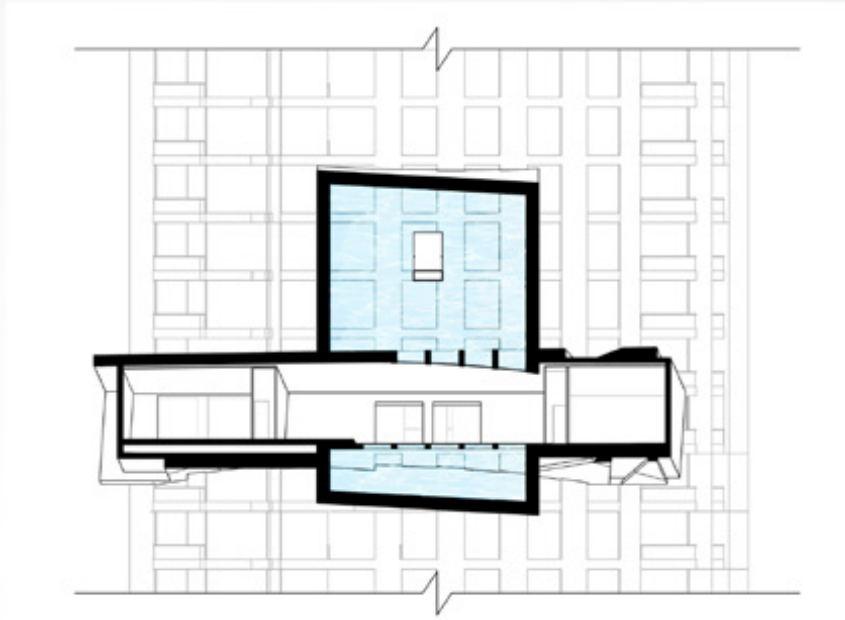
24th Floor Plan

Fish Market

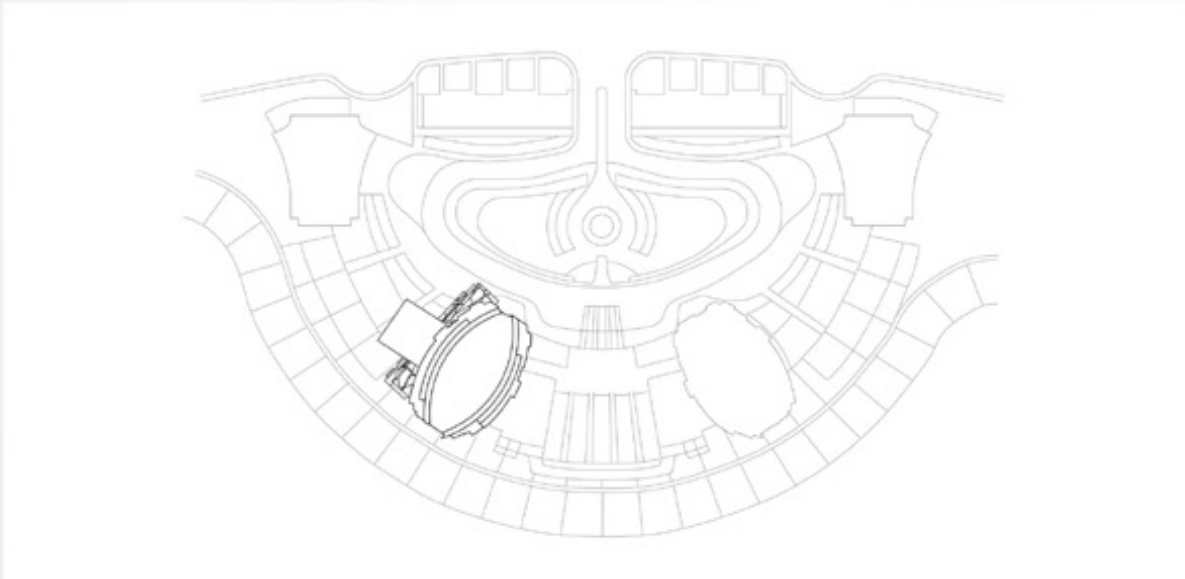
Drawings



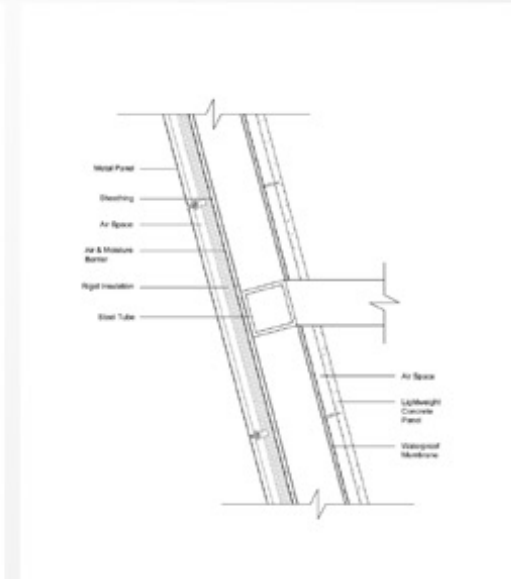
Section A



Section B



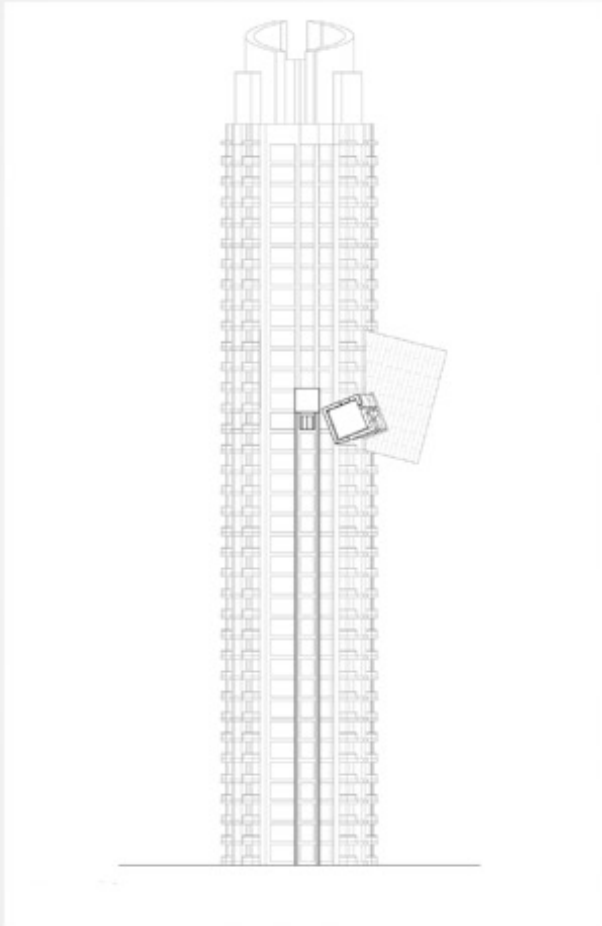
Site Plan



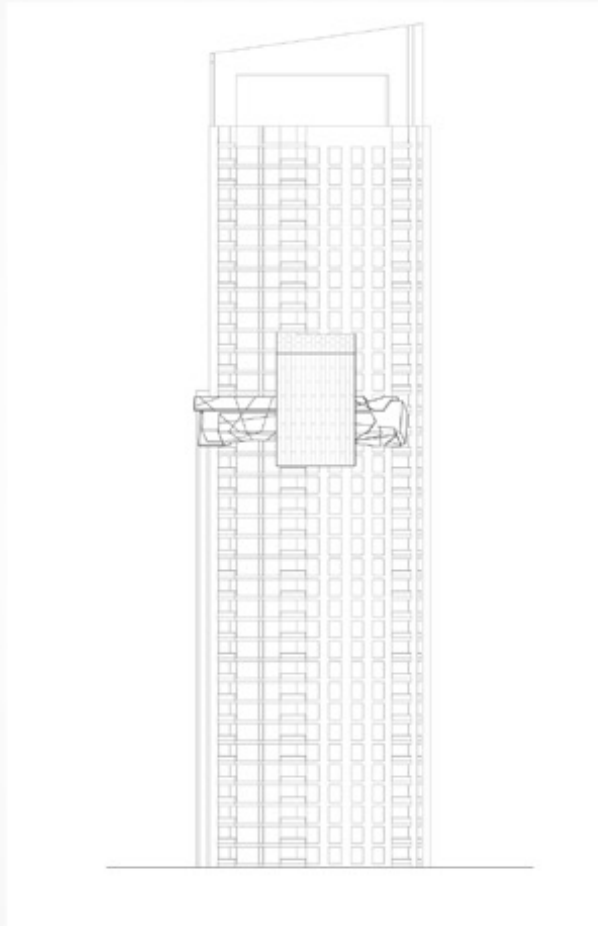
Wall Section

Fish Market

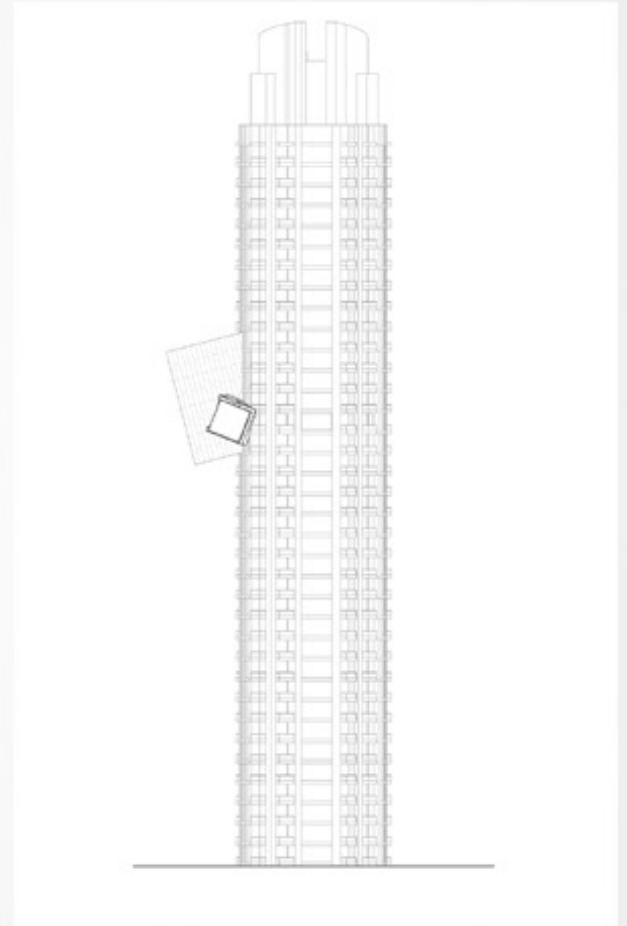
Drawings



North Elevation



West Elevation



South Elevation

Night Owls: A Center For Sleep

Arch 4002 - Carolina Dayer - Spring 2012

Sited down a narrow alley in Old Town Alexandria Virginia, this project is intended to house and help eleven residents with insomnia for a period of seven months. The program includes a library, rocking room, stargazing room, kitchen, caretakers quarters, restrooms, and sleeping spaces for the residents. The initial design approach was based on the study of dreams in relation to typical sleep cycles. These studies were expressed through a series of diagrams, drawings, and collages to discover the overall building form. As a solution to the restrictions of the site, the sleeping spaces became individual beds, which slowly move along a track throughout the building. The track begins at the basement level where the resident's private rooms are located. As the beds move throughout the night they proceed up through the library beneath a skylight to view the stars. These beds are attached to a gyro mechanism allowing the direction of movement to change while the beds remain flat with a slight rocking motion. This design solution has allowed for the combination of the stargazing room, rocking room, and sleeping spaces while utilizing a minimal amount of square footage.



Site



Night Owls: A Center For Sleep

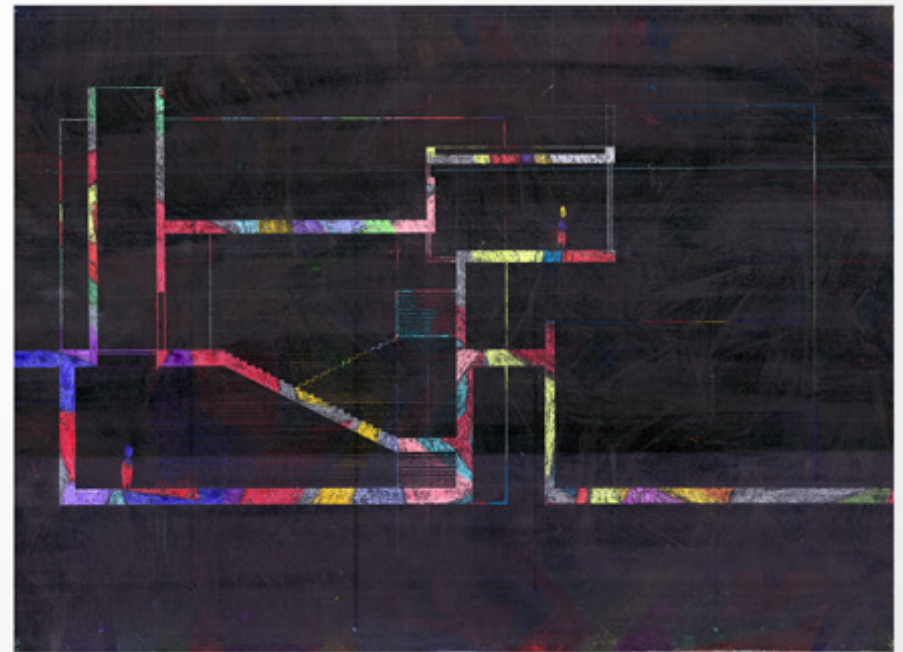
Process - Dream Studies



Nightline



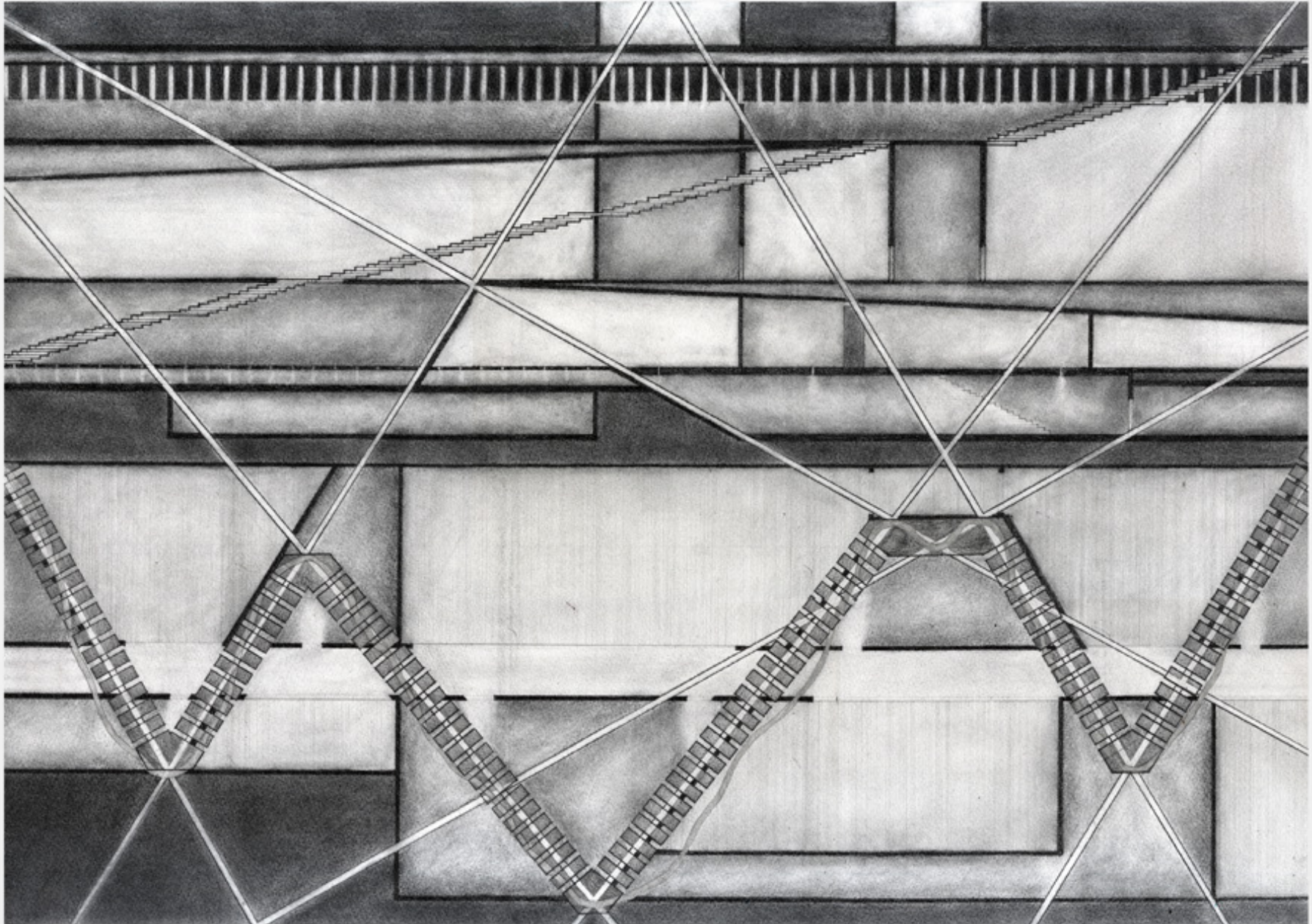
Little Nemo Collage Study



Section Etching Study

Night Owls: A Center For Sleep

Process - Abstract Plan/Section Study



Night Owls: A Center For Sleep

Process - Floor Plan Collage Studies



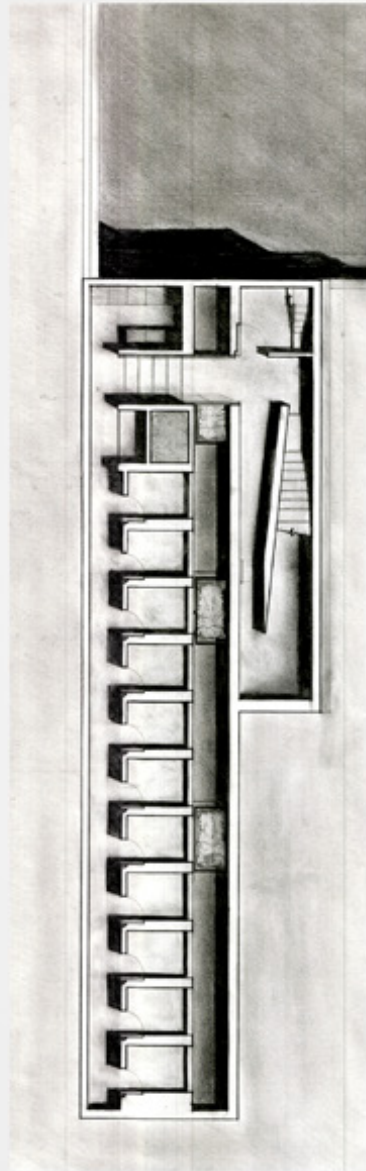
Night Owls: A Center For Sleep

Process - Section Collage Study

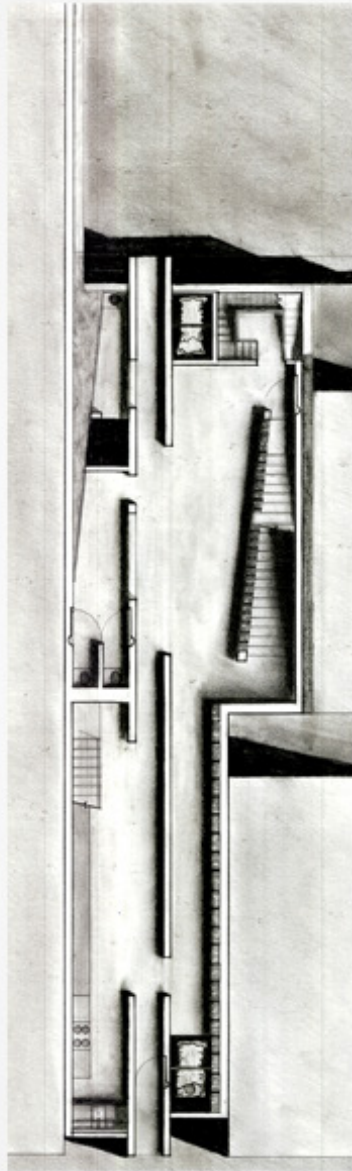


Night Owls: A Center For Sleep

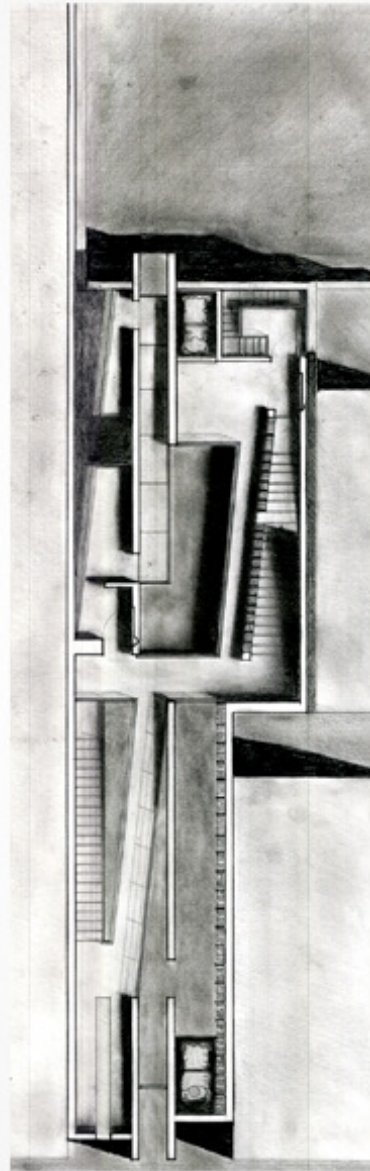
Floor Plans



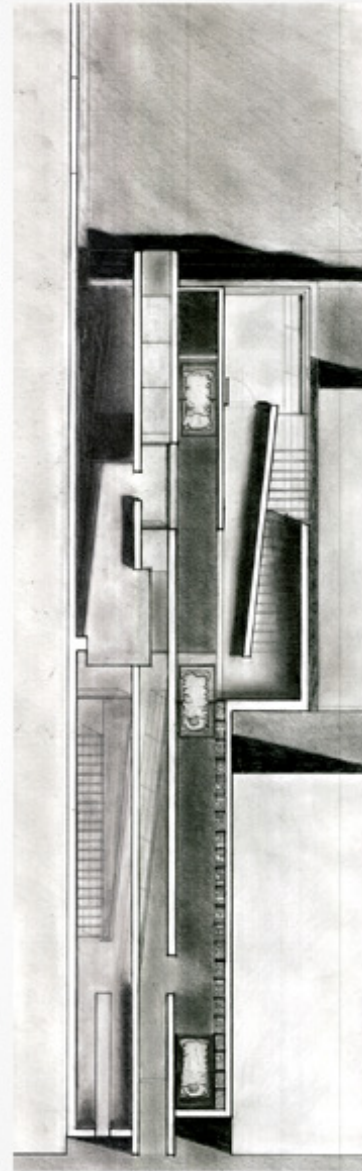
Basement



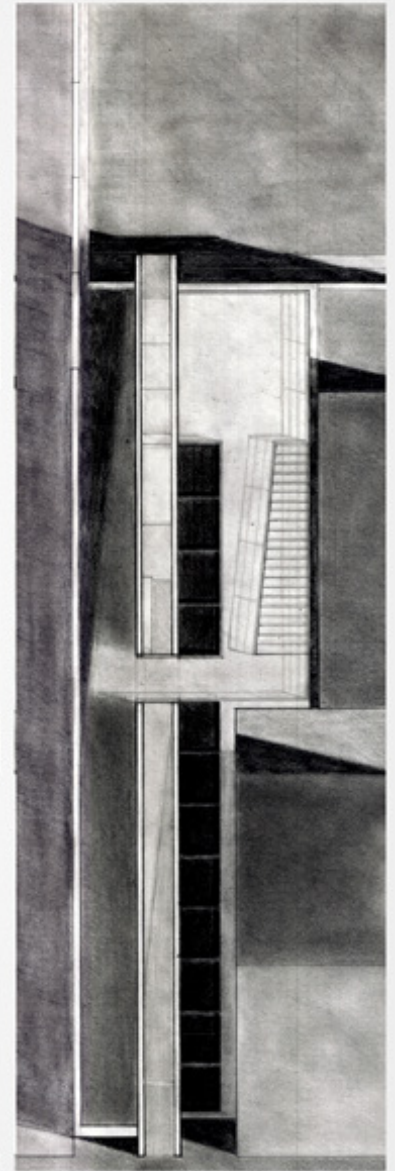
First Floor



Second Floor



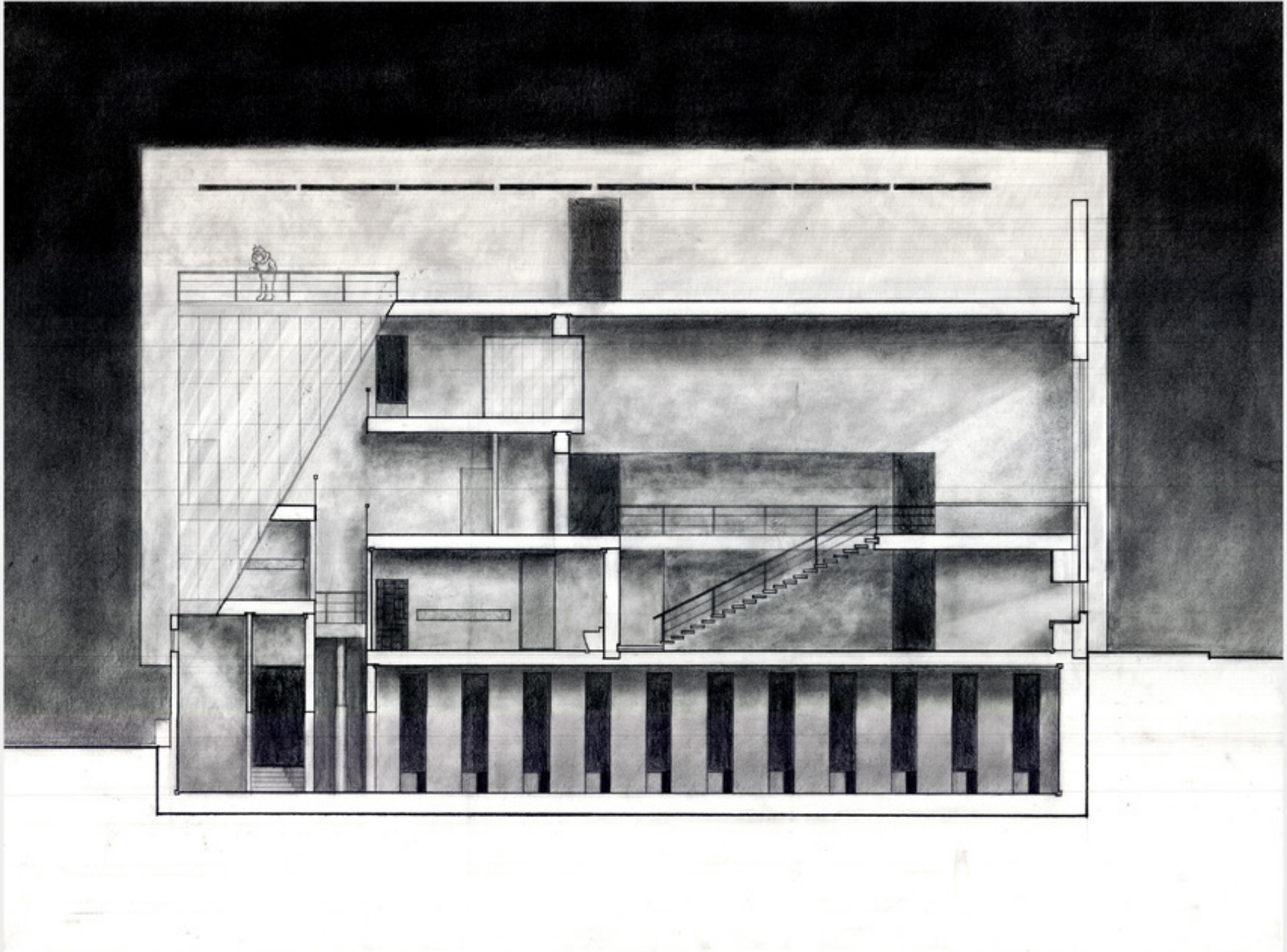
Third Floor



Roof

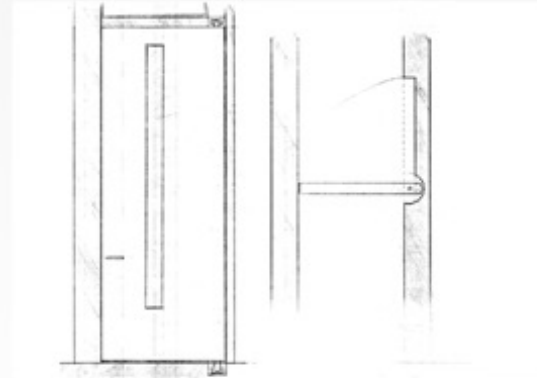
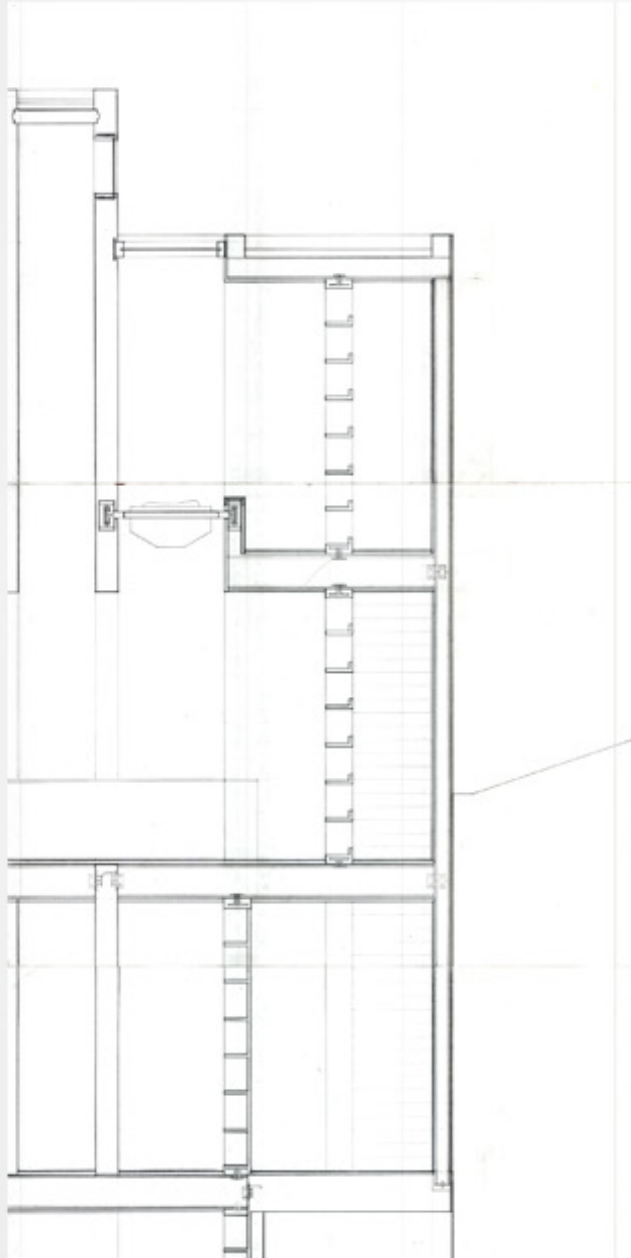
Night Owls: A Center For Sleep

Section

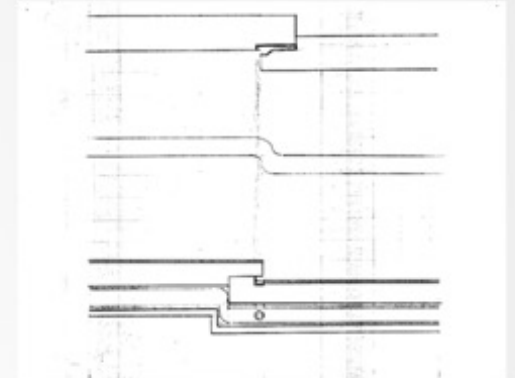


Night Owls: A Center For Sleep

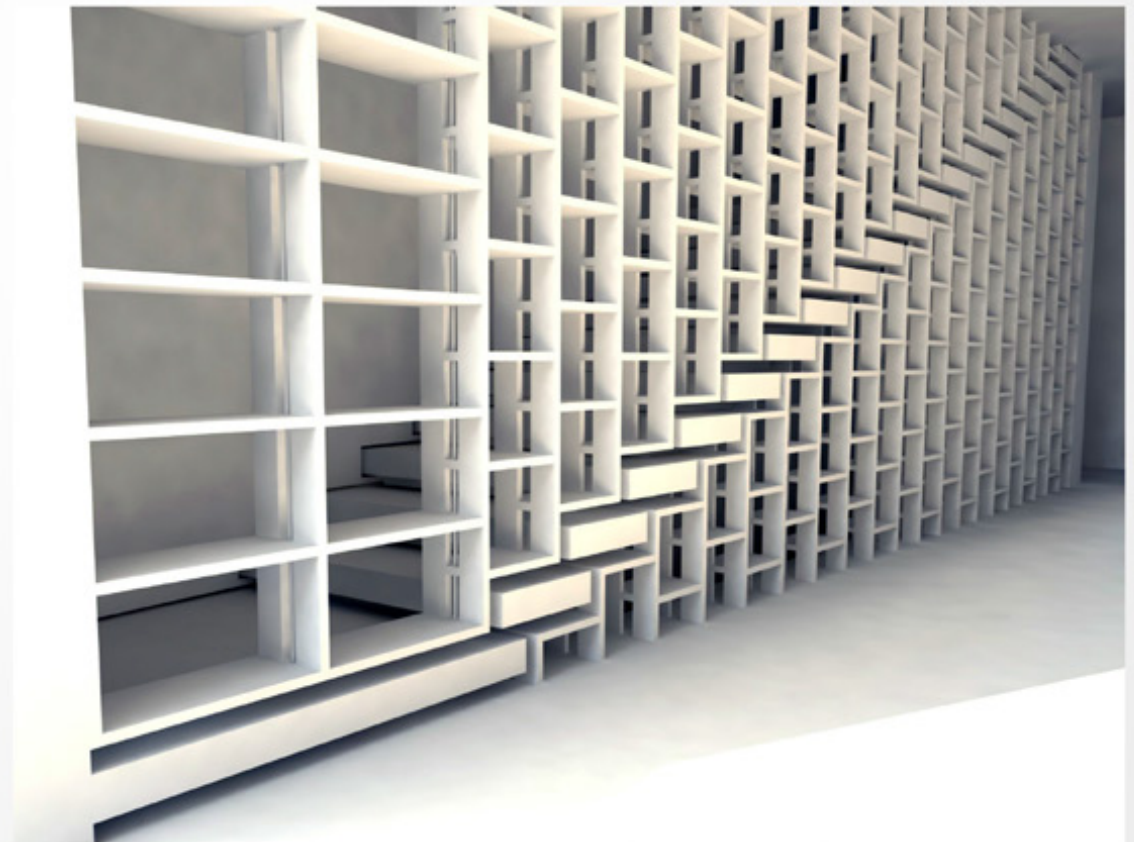
Details



Door Detail



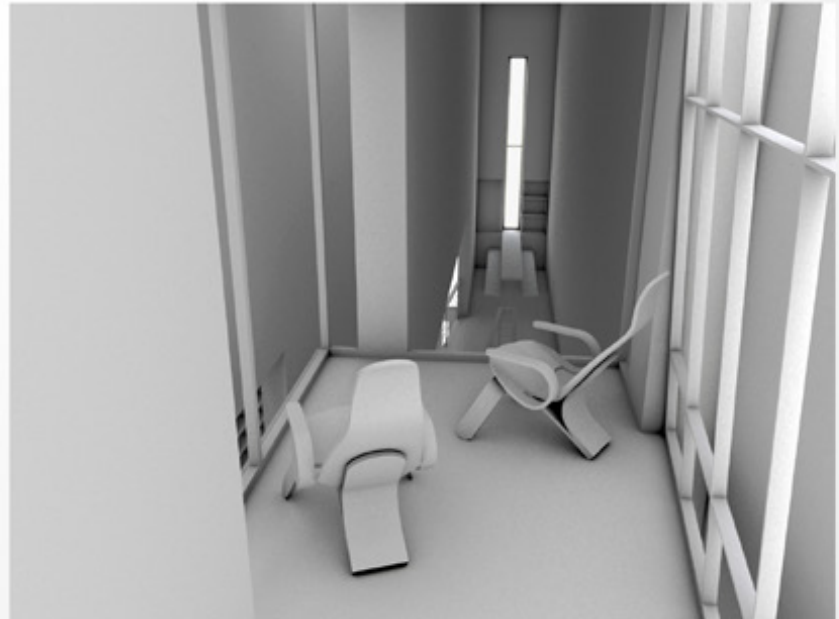
Shower Detail



Bookcase Render

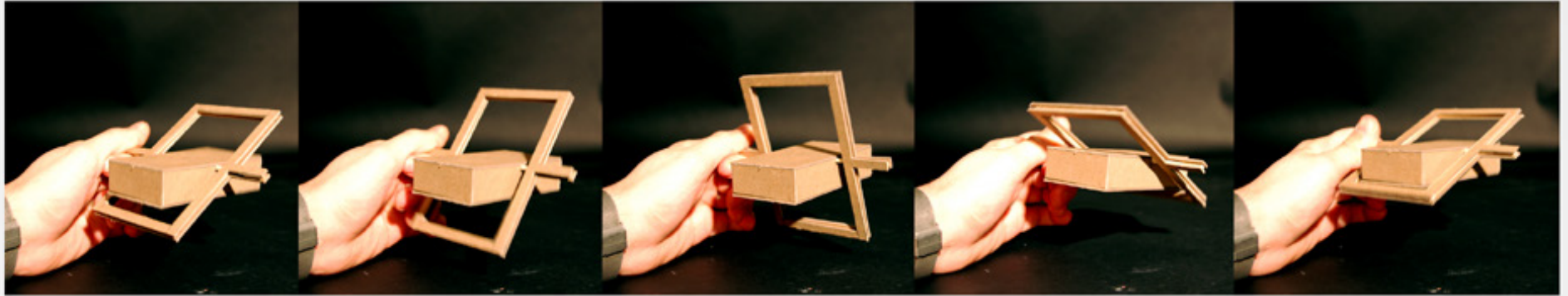
Night Owls: A Center For Sleep

Renders



Night Owls: A Center For Sleep

Models



Bed Gyro Model

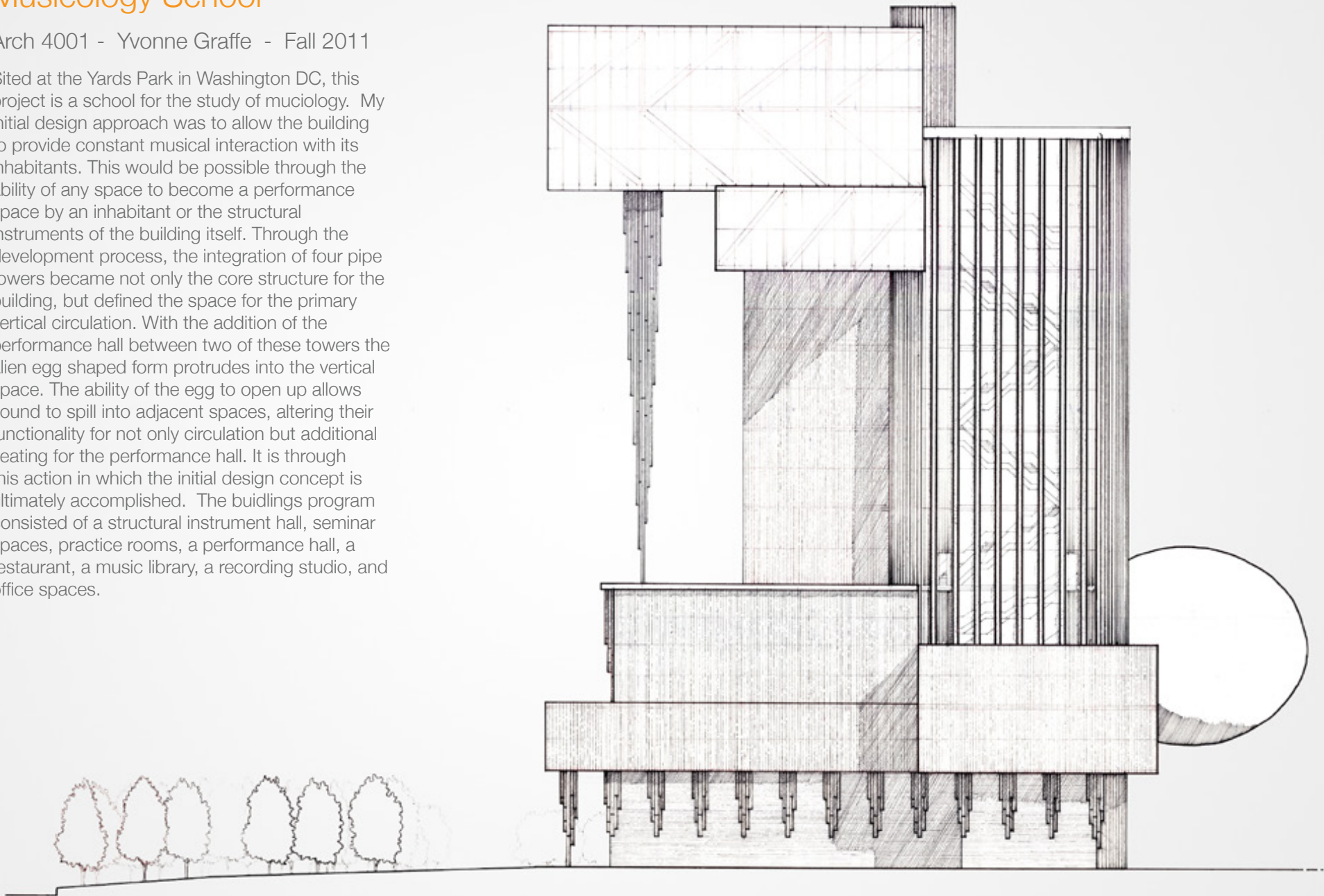


Section Model

Musicology School

Arch 4001 - Yvonne Graffe - Fall 2011

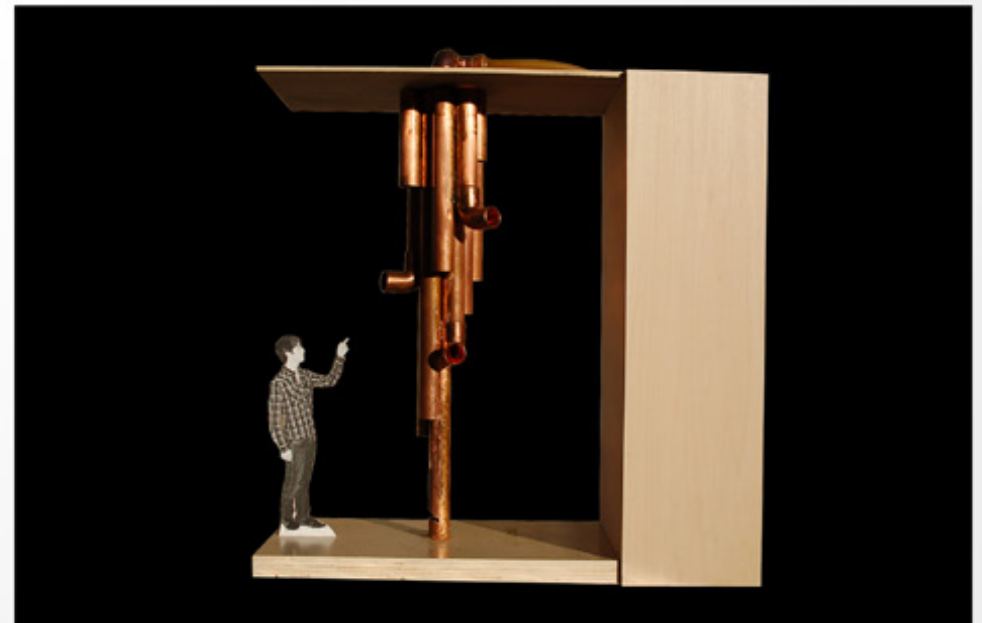
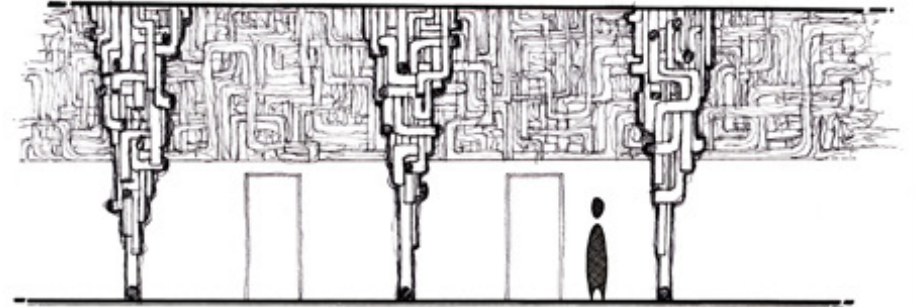
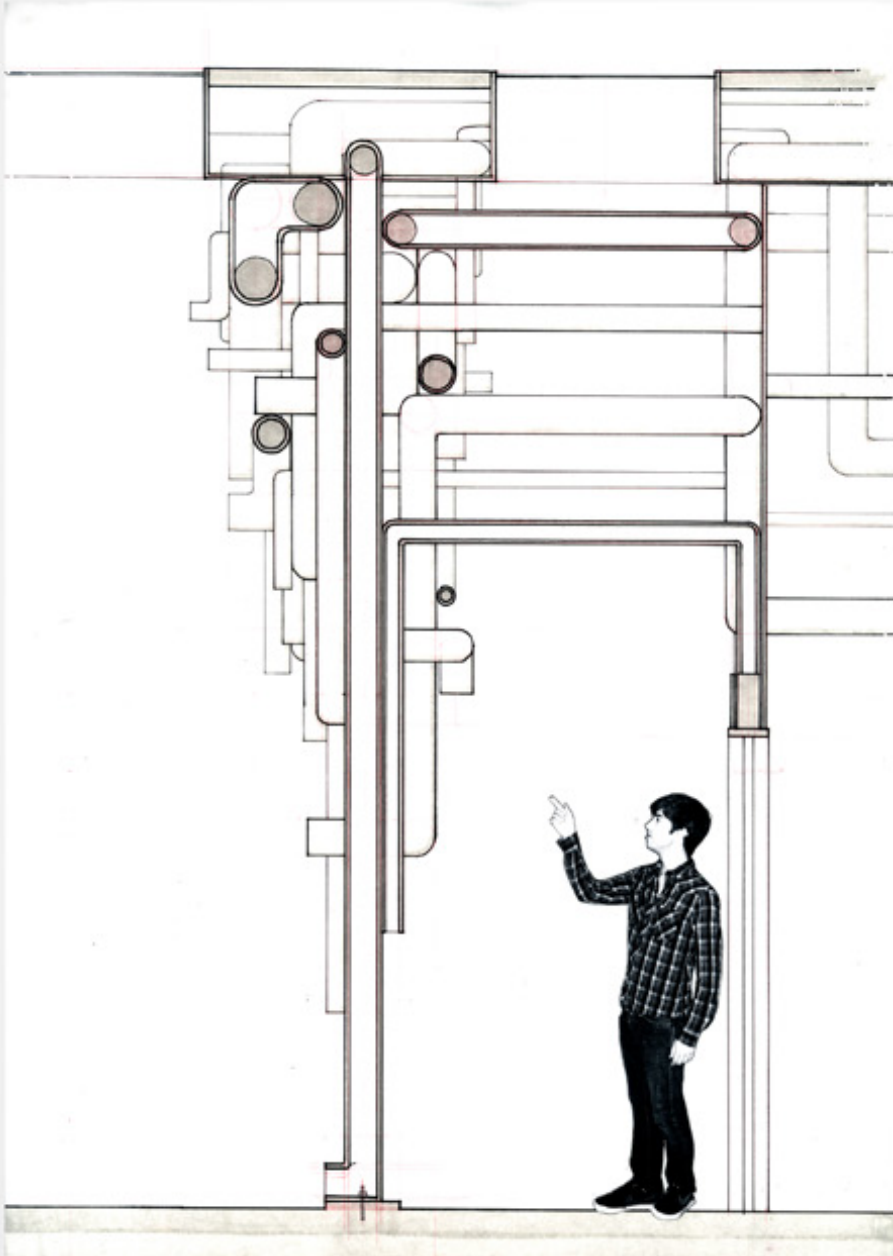
Sited at the Yards Park in Washington DC, this project is a school for the study of musicology. My initial design approach was to allow the building to provide constant musical interaction with its inhabitants. This would be possible through the ability of any space to become a performance space by an inhabitant or the structural instruments of the building itself. Through the development process, the integration of four pipe towers became not only the core structure for the building, but defined the space for the primary vertical circulation. With the addition of the performance hall between two of these towers the alien egg shaped form protrudes into the vertical space. The ability of the egg to open up allows sound to spill into adjacent spaces, altering their functionality for not only circulation but additional seating for the performance hall. It is through this action in which the initial design concept is ultimately accomplished. The building's program consisted of a structural instrument hall, seminar spaces, practice rooms, a performance hall, a restaurant, a music library, a recording studio, and office spaces.



East Elevation

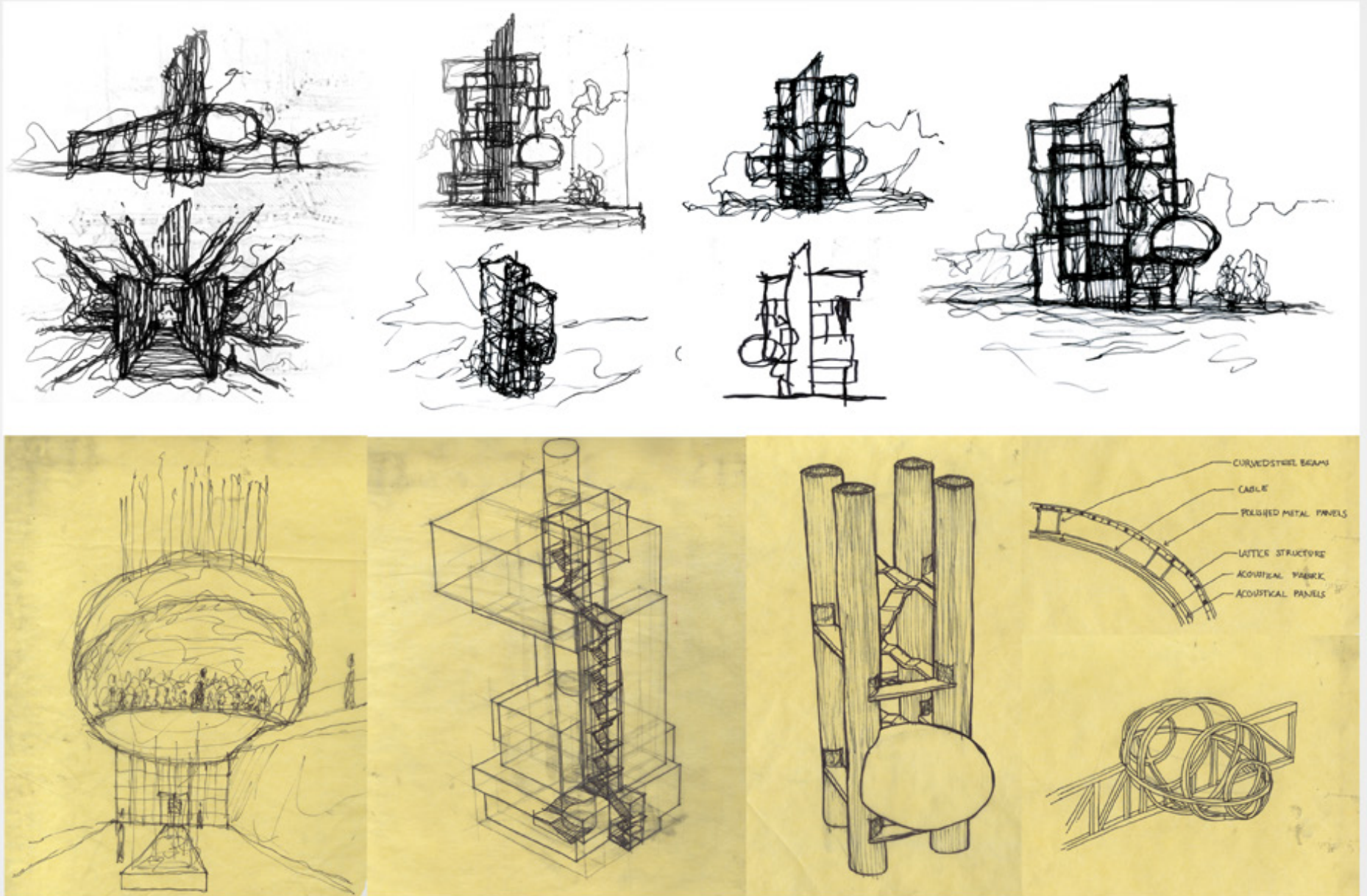
Musicology School

Structural Instrument



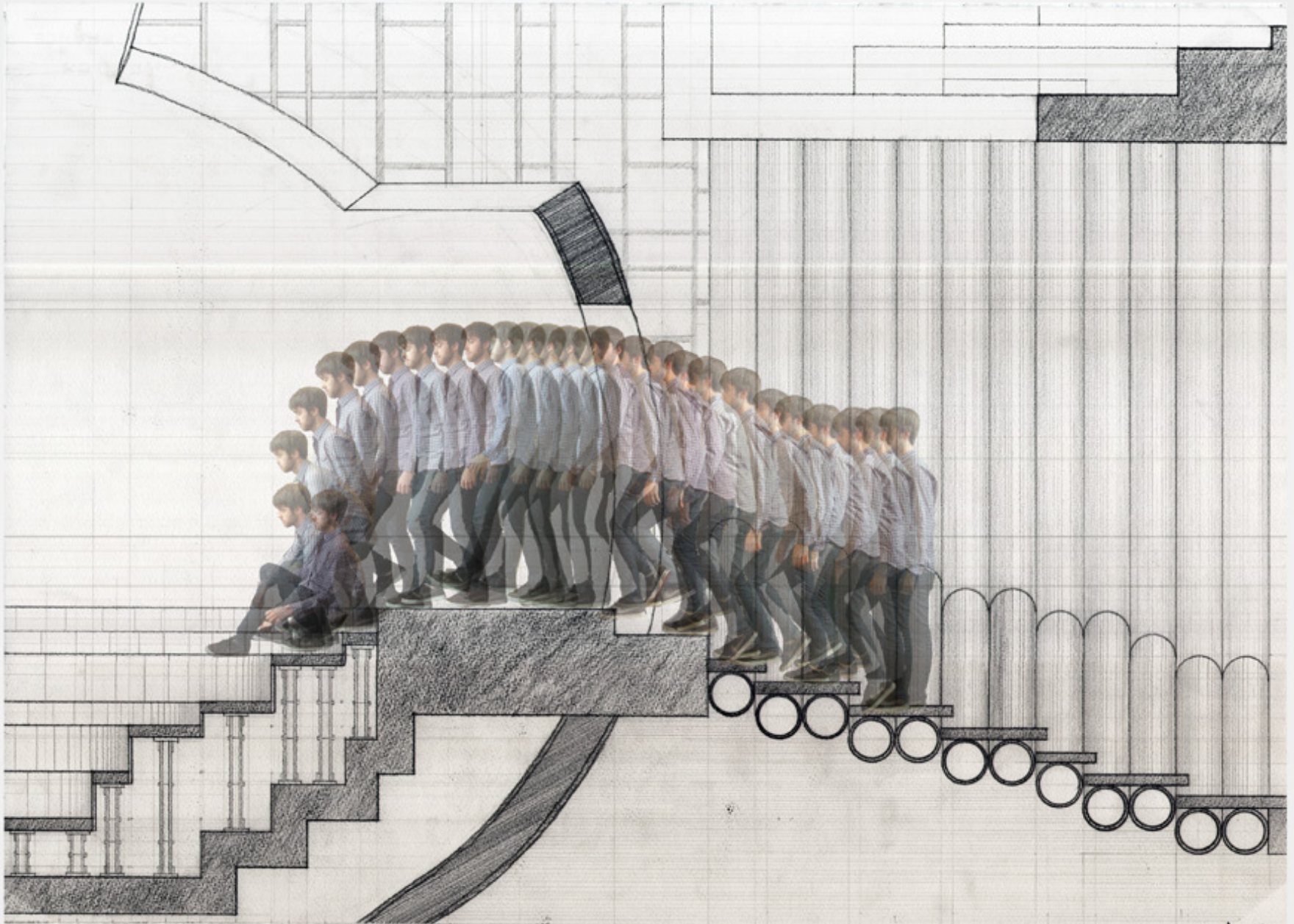
Musicology School

Process - Sketches



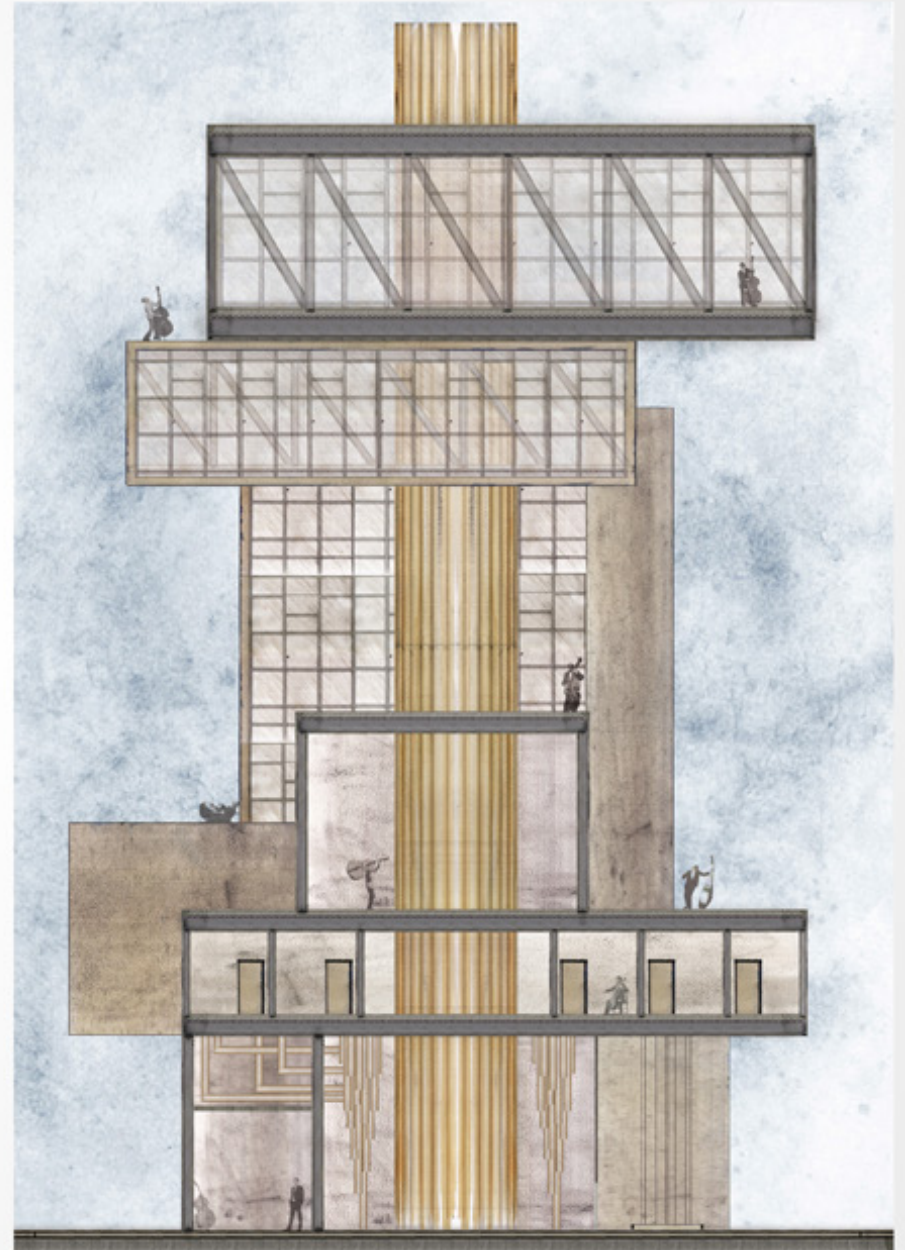
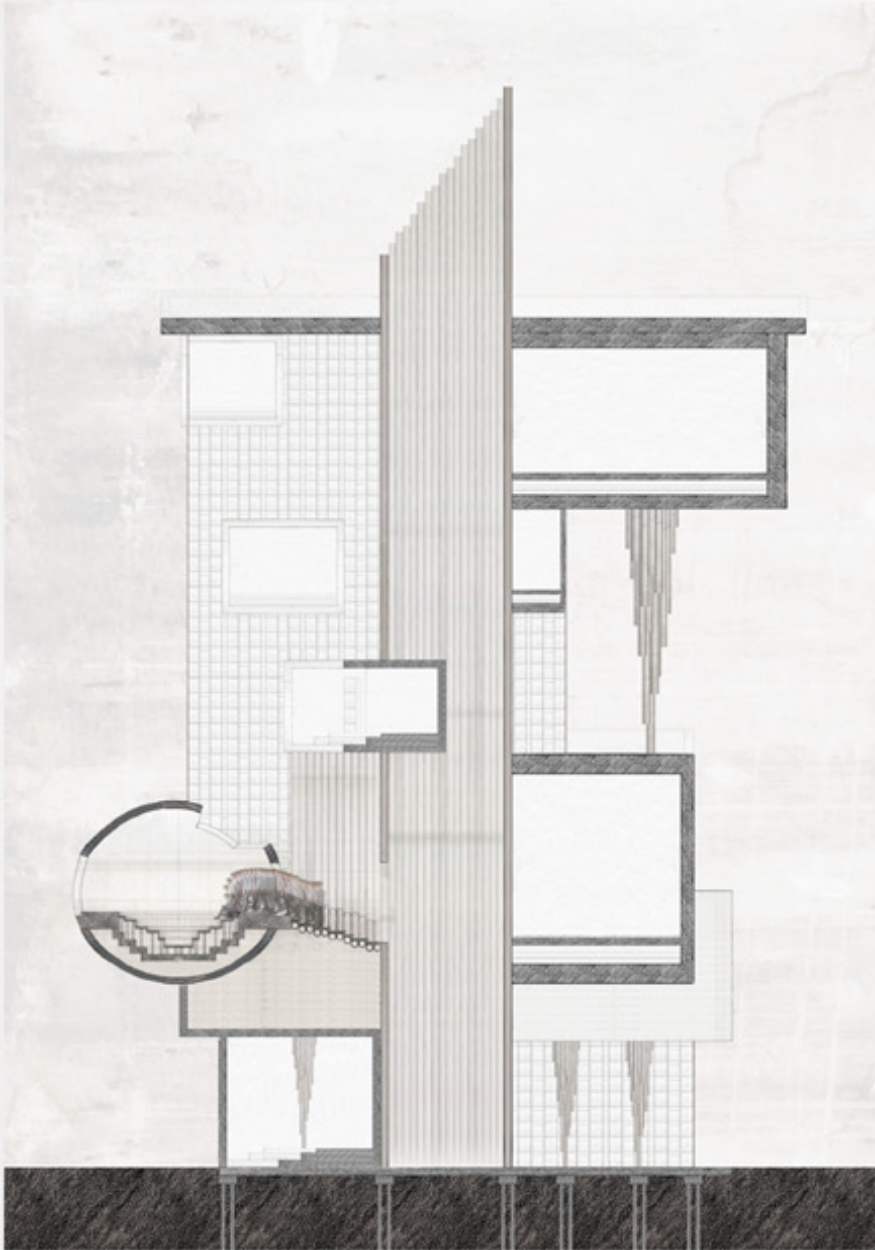
Musicology School

Process - Spatial Transition Study



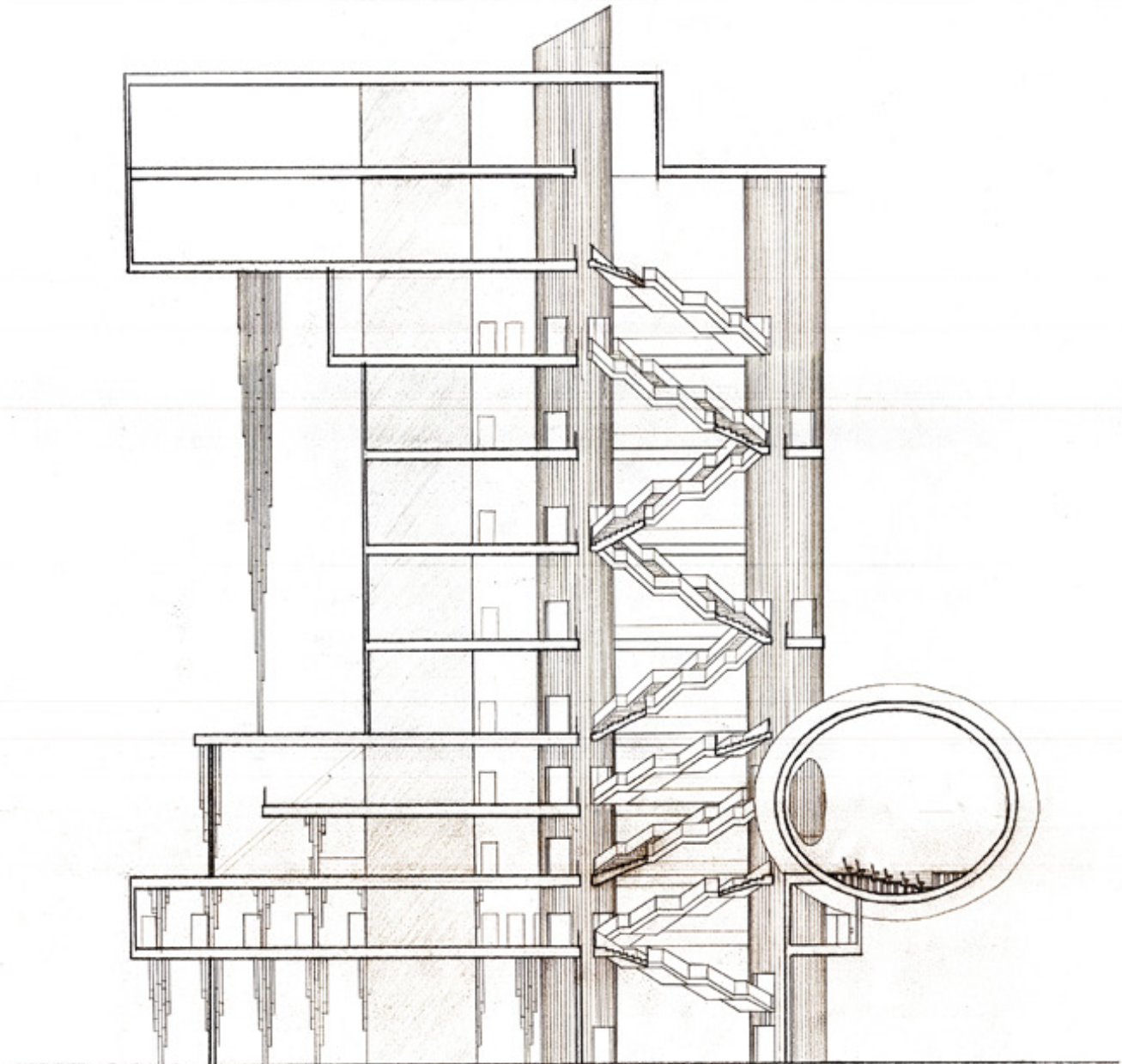
Musicology School

Process - Sections



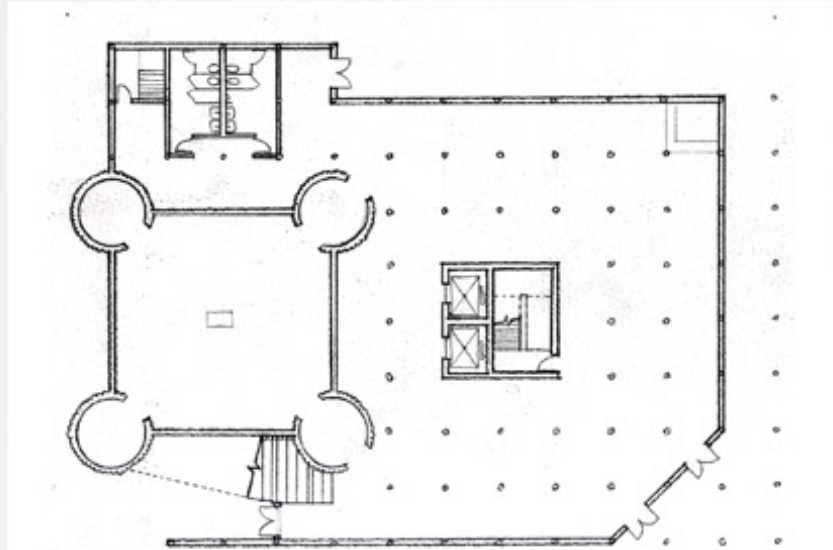
Musicology School

Building Section

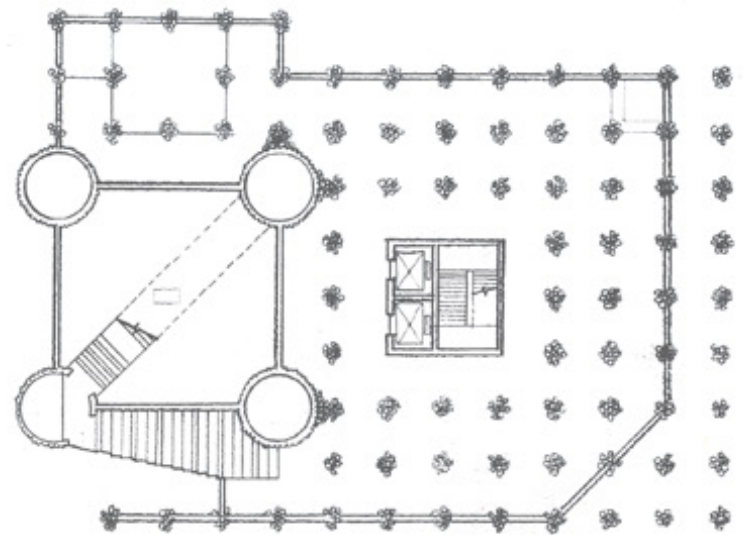


Musicology School

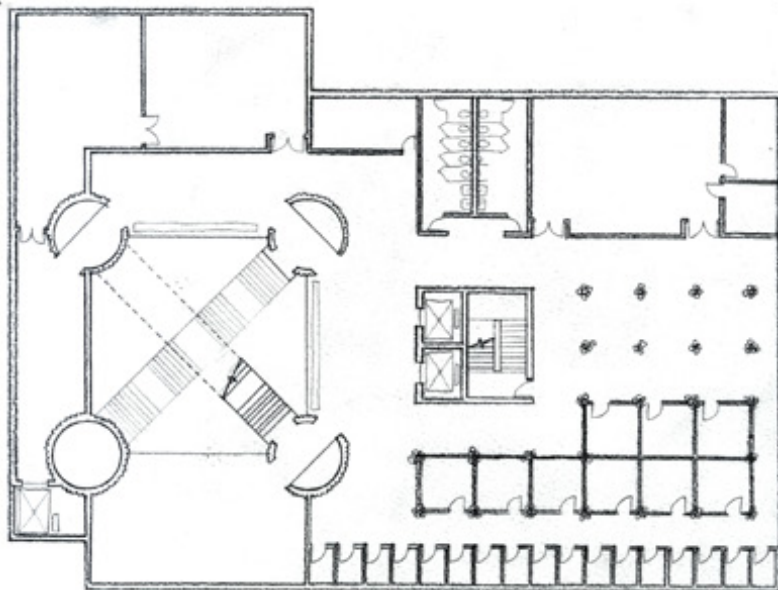
Floor Plans



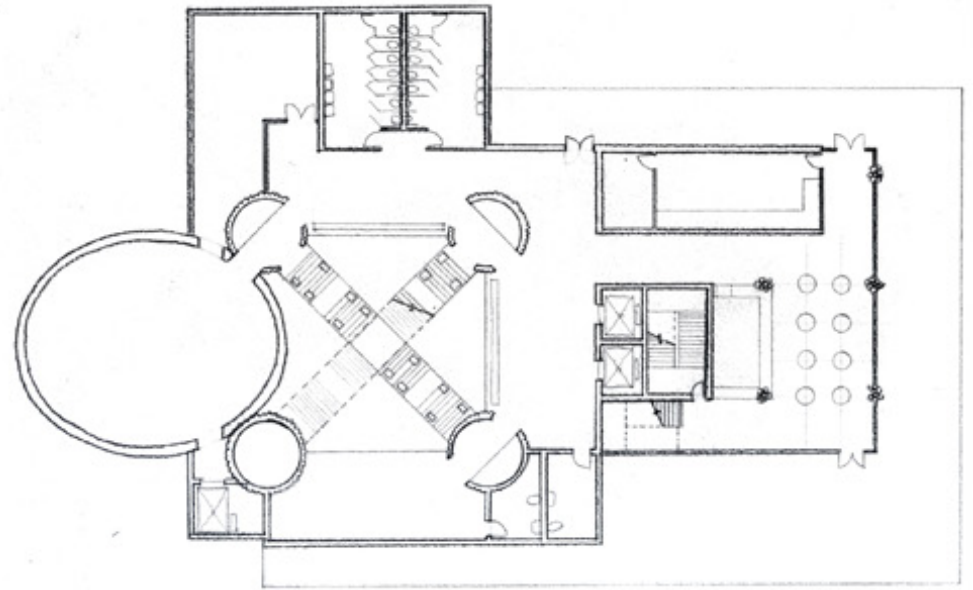
1st Floor Plan



2nd Floor Plan



3rd Floor Plan



4th Floor Plan

Musicology School

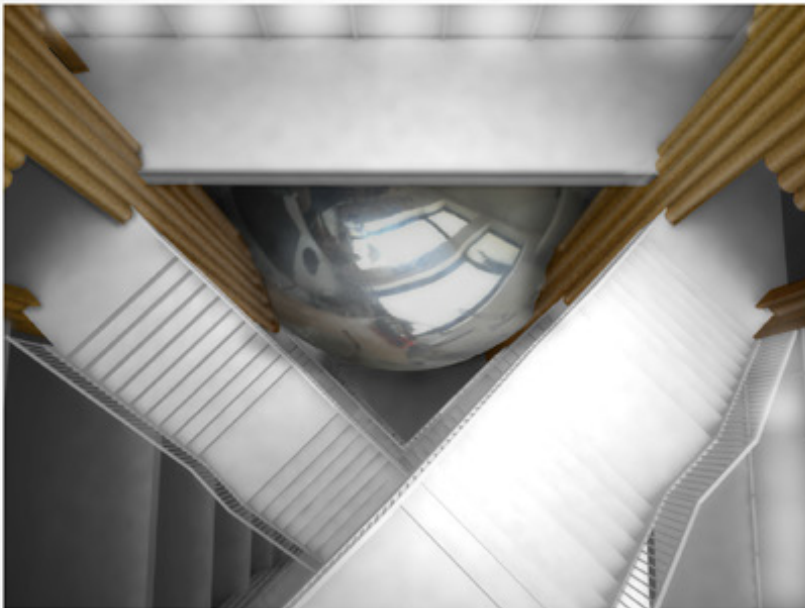
Renders



Base of Vertical Circulation



Instrument Hall

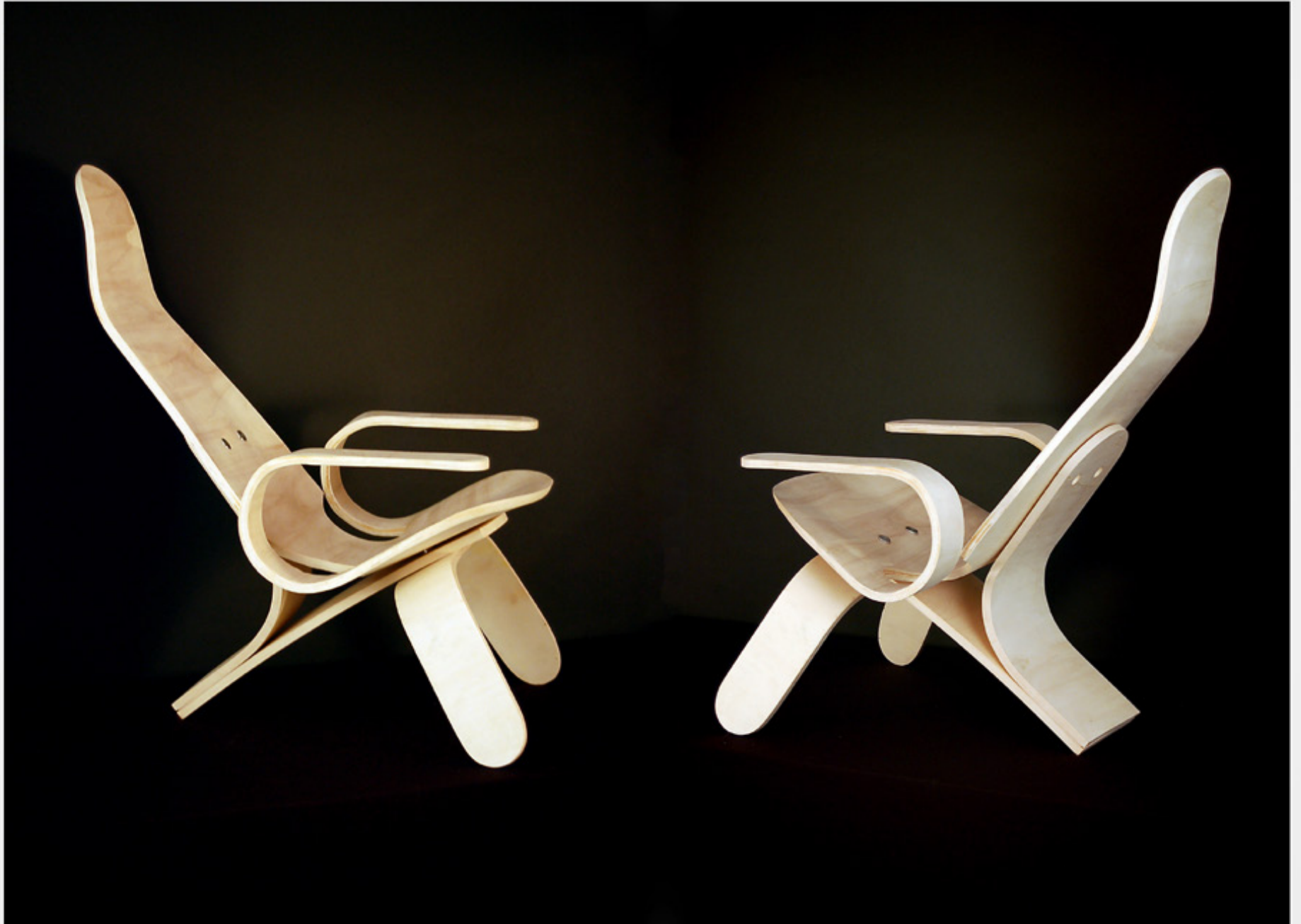


Above Performance Hall



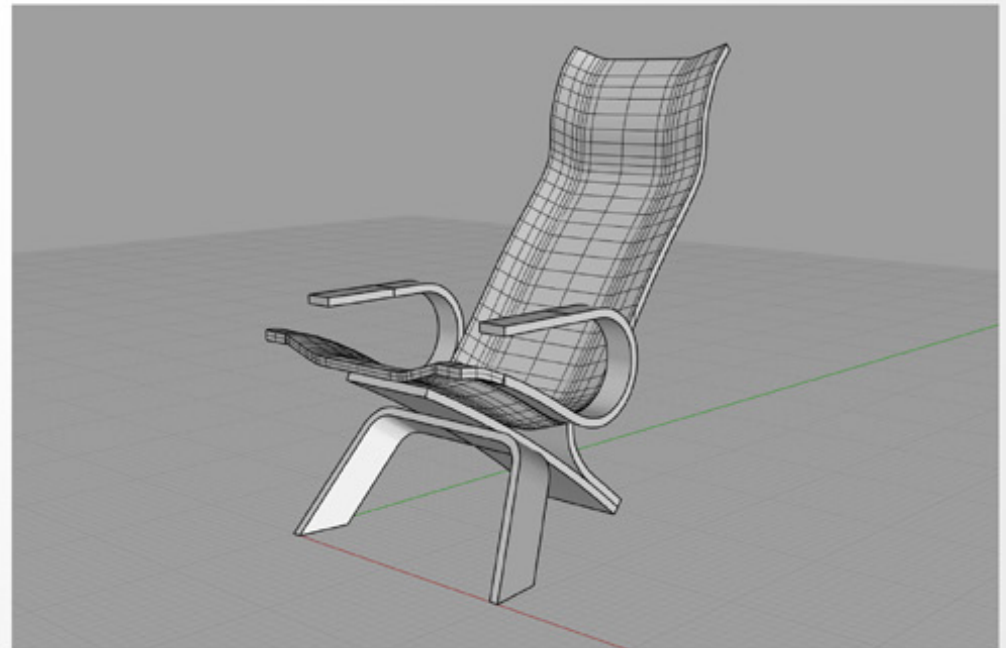
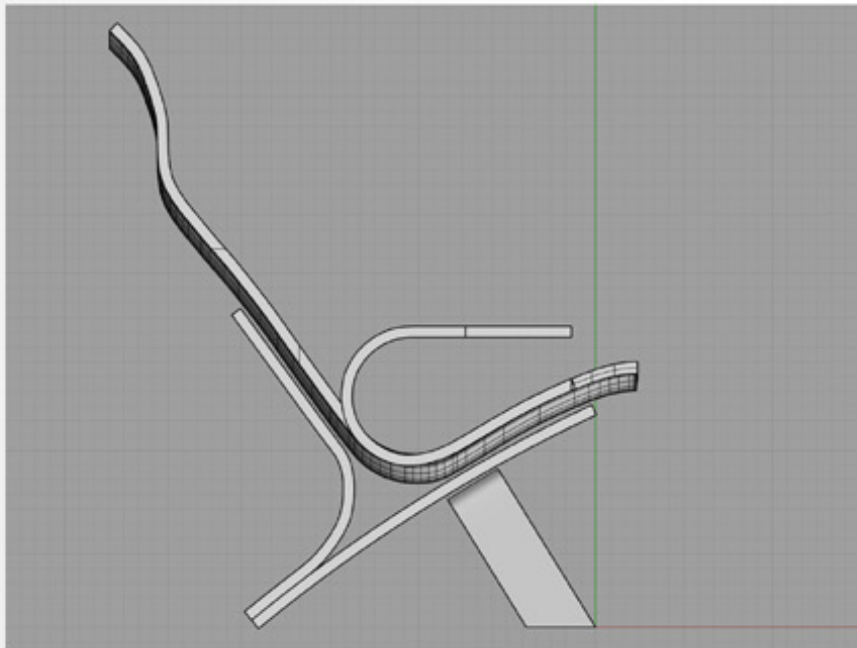
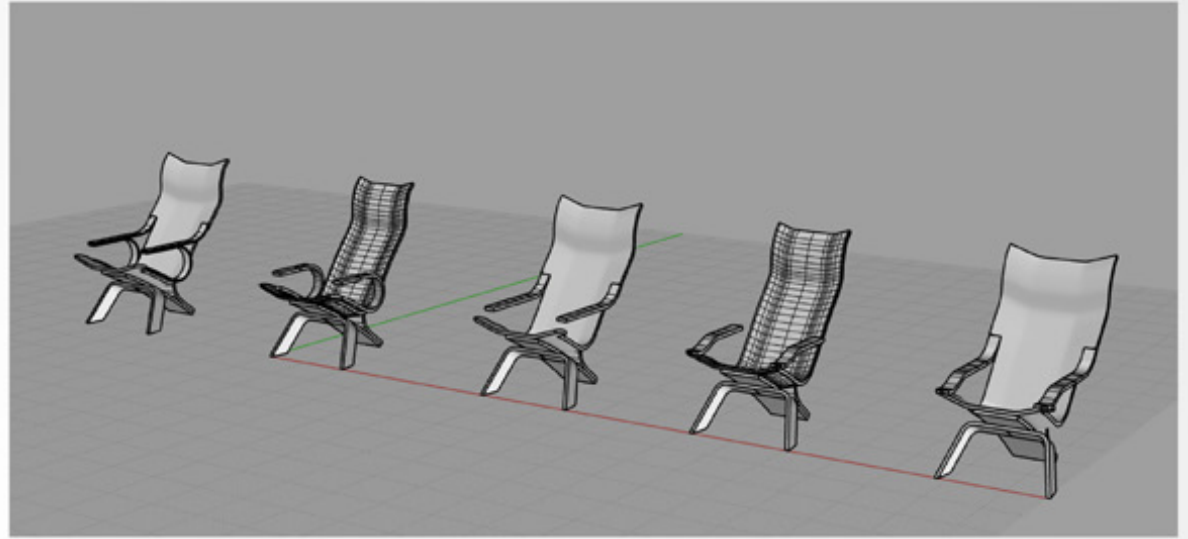
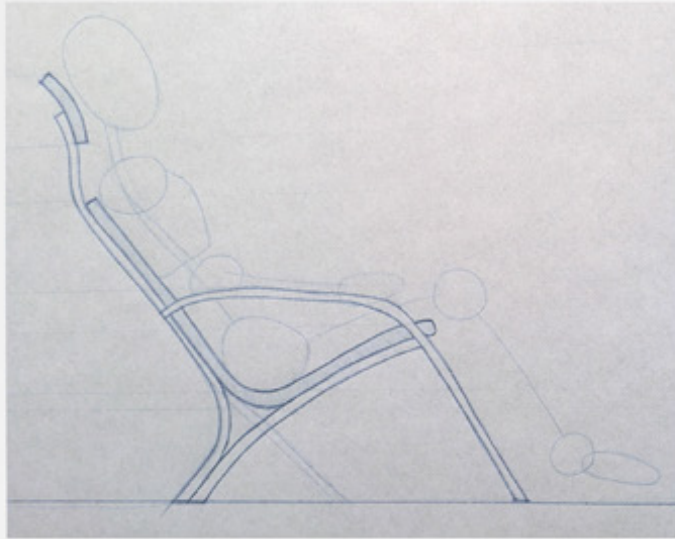
Vertical Circulation

Furniture Design - Bent Plywood Chair



Furniture Design - Bent Plywood Chair

Process - Form Studies



Furniture Design - Bent Plywood Chair

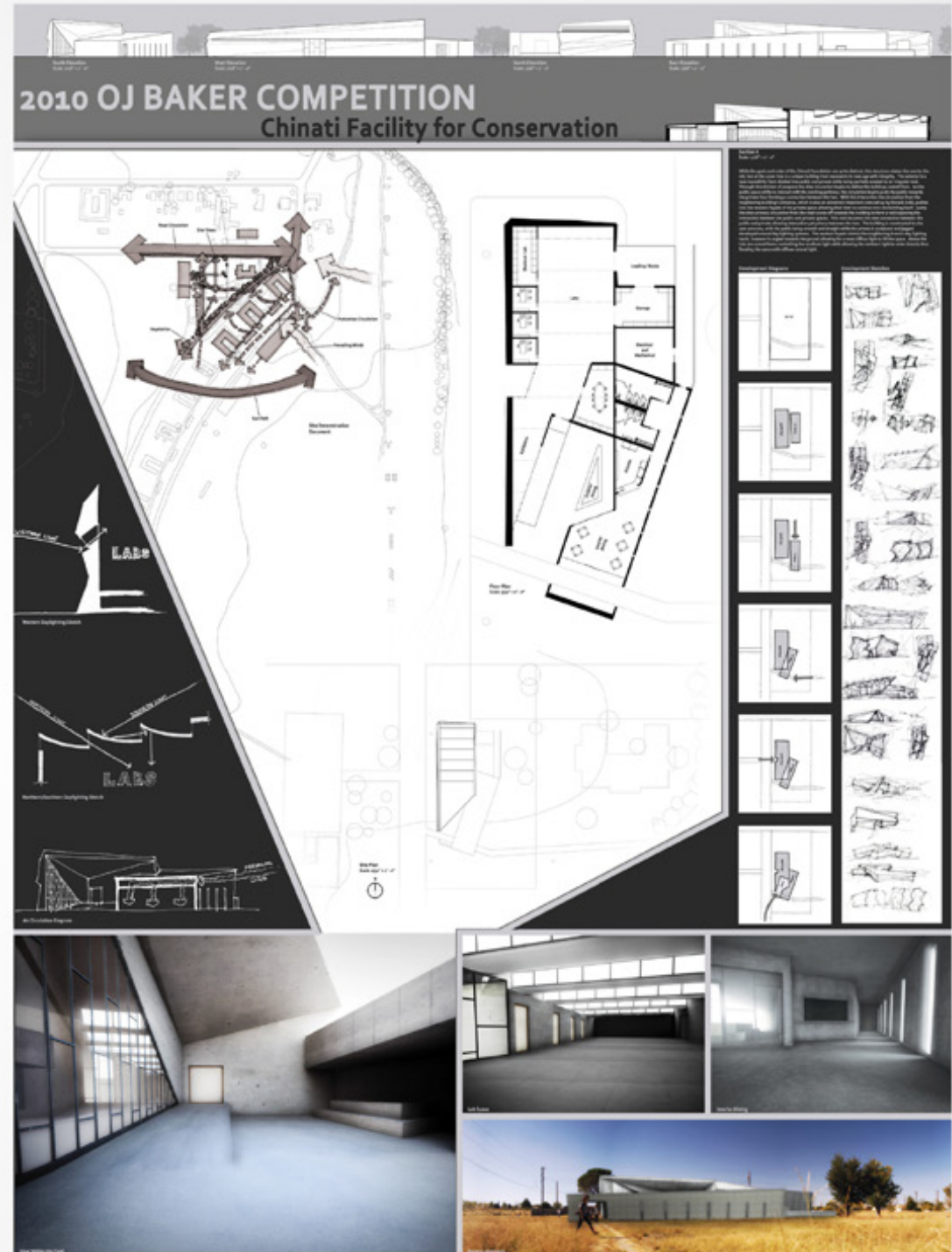
Process - Production



Chinati Facility For Conservation

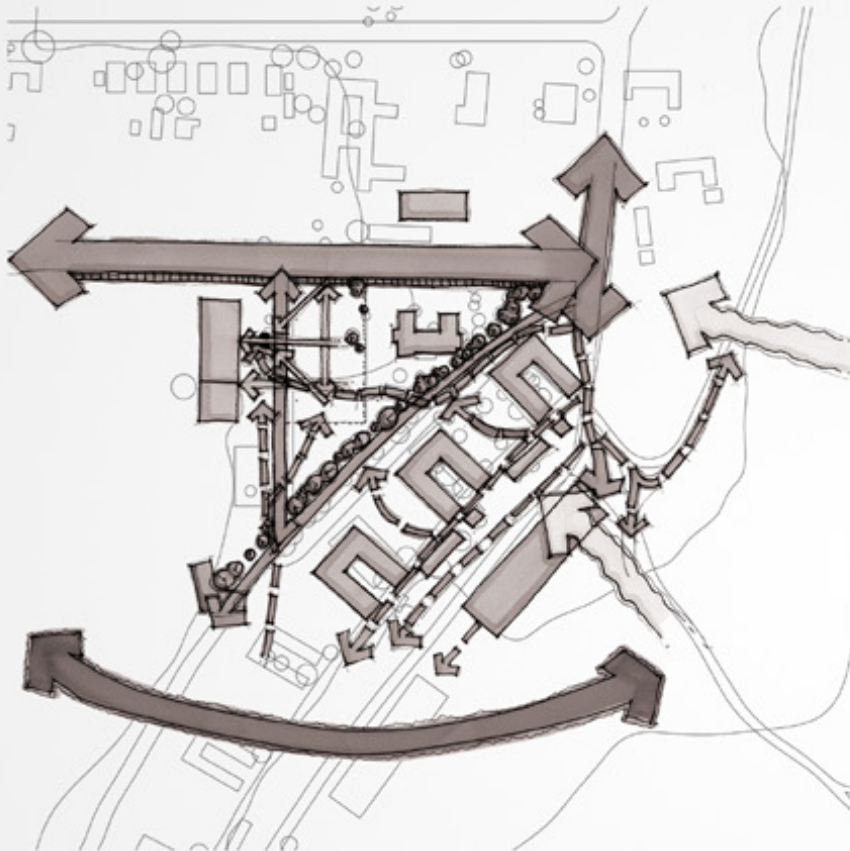
Arch 3001 - Meredith Sattler - Fall 2010

While the goals and order of the Chinati Foundation are quite distinct, this structure relates the new to the old, but at the same time is a unique building that represents its own age with integrity. The exterior is a near monolithic form divided into public and private while being partially eroded by an irregular void. Through this division of program the sites circulation begins to define the buildings overall form. As the public space shifts to interact with the existing pathway, the circulation begins push the public towards the private thus forming a connection between the two. With this interaction the circulation from the neighboring building's entrance, which is also an extremely important view set up by Donald Judd, pushes into the western façade of the private space allowing that view to continue into the building itself. Lastly the sites primary circulation from the road curves off towards the building to form a void exposing the interaction between the public and private spaces. This void becomes the new connection between the public and private allowing interaction yet privacy between the two. The building is constructed to site cast concrete, with the public being smooth and straight while the private is sculptural and jagged developed around day lighting systems. The western façade mimics the neighboring Arena's day lighting tactic, however is angled towards the ground allowing for a more diffuse light to fill the space. Above the labs are curved forms controlling the southern light while allowing the northern light to enter directly thus flooding the space with diffuse natural light.

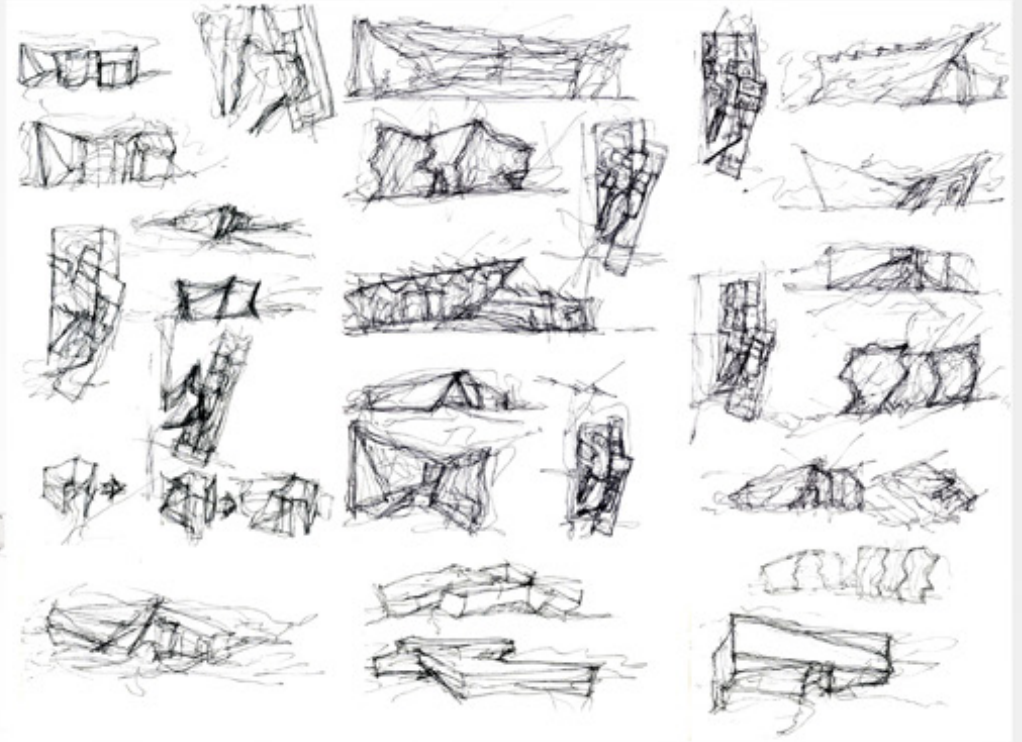


Chinati Facility For Conservation

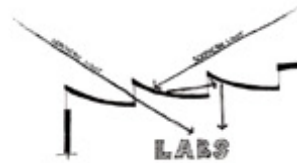
Process



Site Analysis/Determination Document



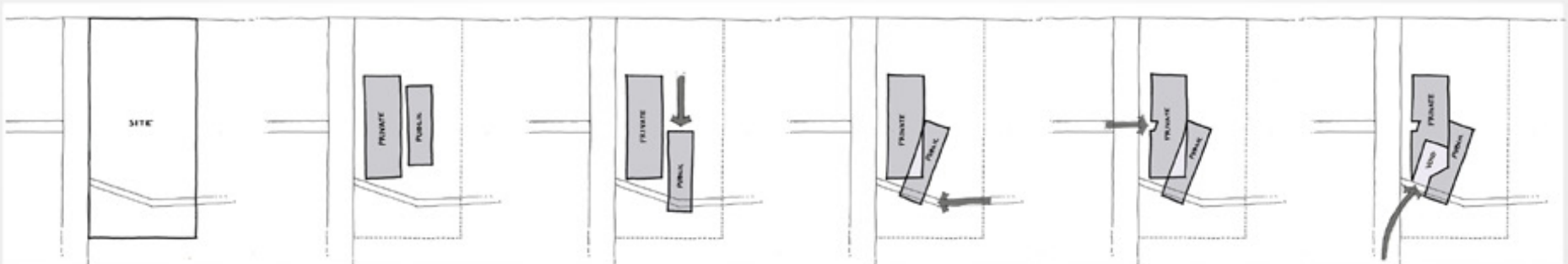
Brainstorm/Development Sketches



Daylight Strategies



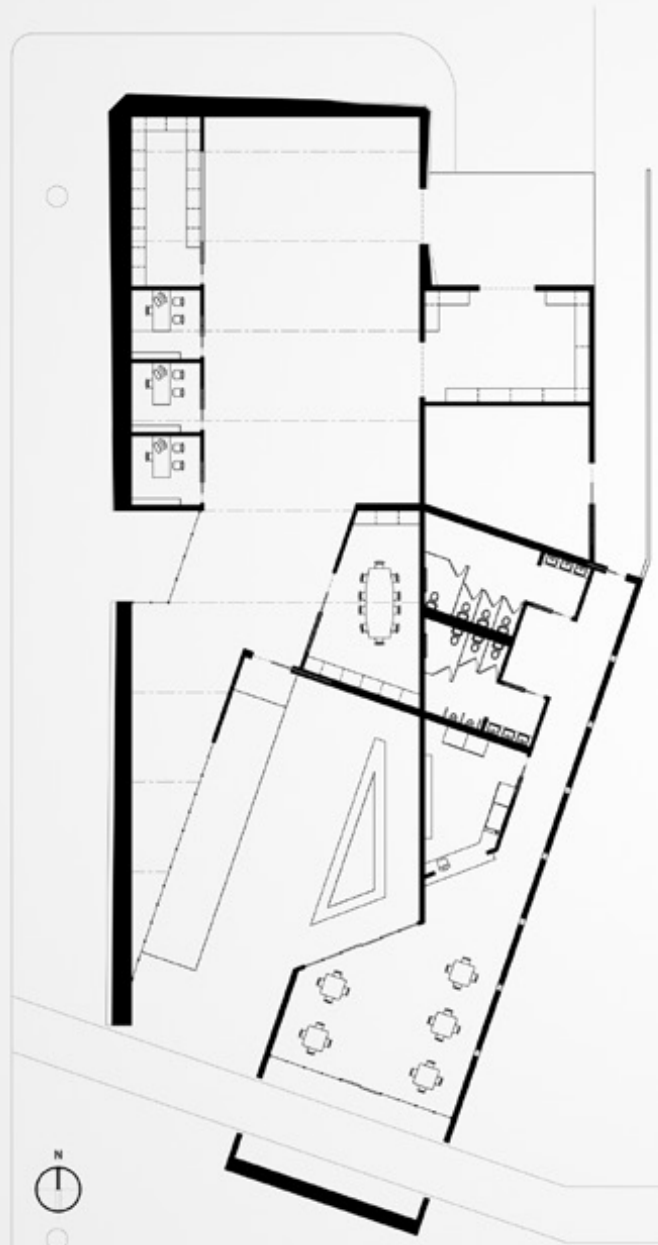
Air Circulation Sketch



Development Diagrams

Chinati Facility For Conservation

Drawings

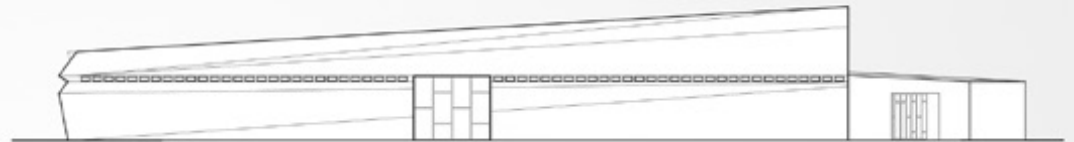


Floor Plan

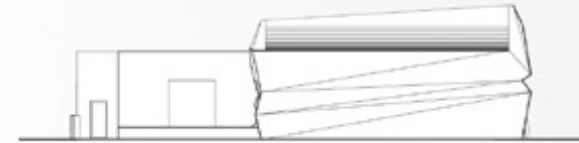
South Elevation



West Elevation



North Elevation



East Elevation



Section



Chinati Facility For Conservation

Renders



View Within the Void

Chinati Facility For Conservation

Renders



Lab Space



Interior Dining



Eastern Approach

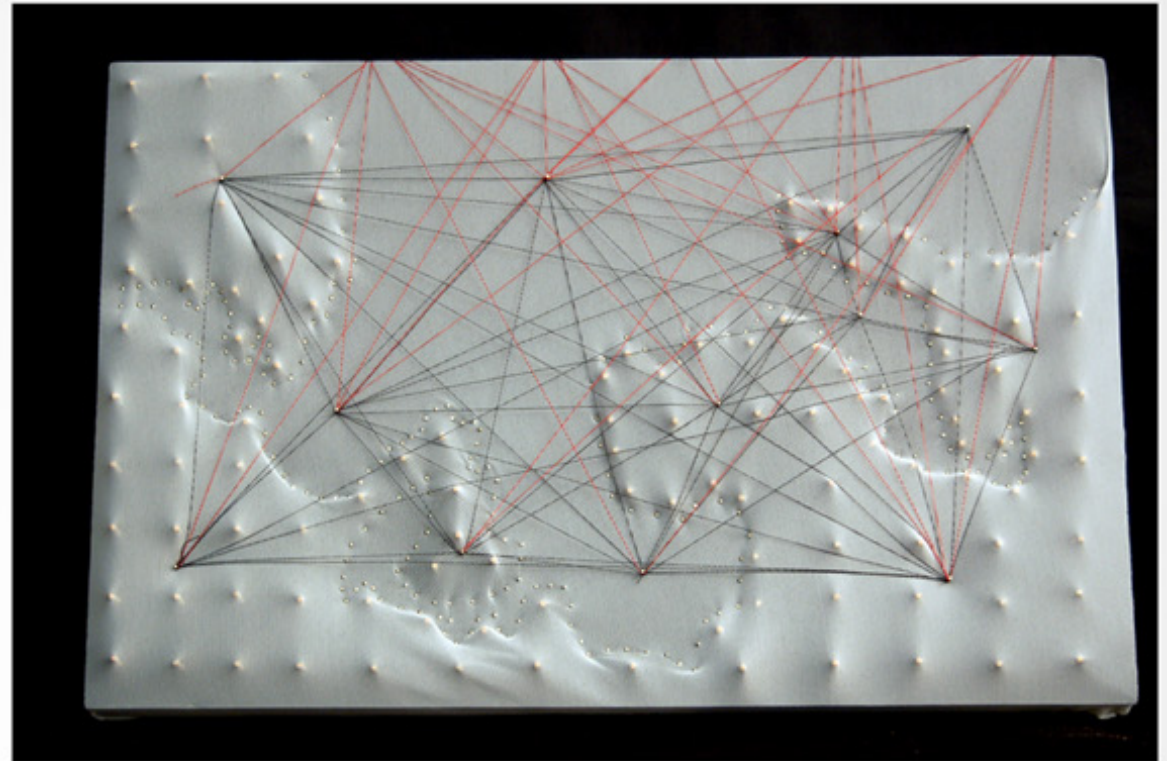
Cocodrie Marsh Pavilion

Arch 3001 - Meredith Sattler - Fall 2010

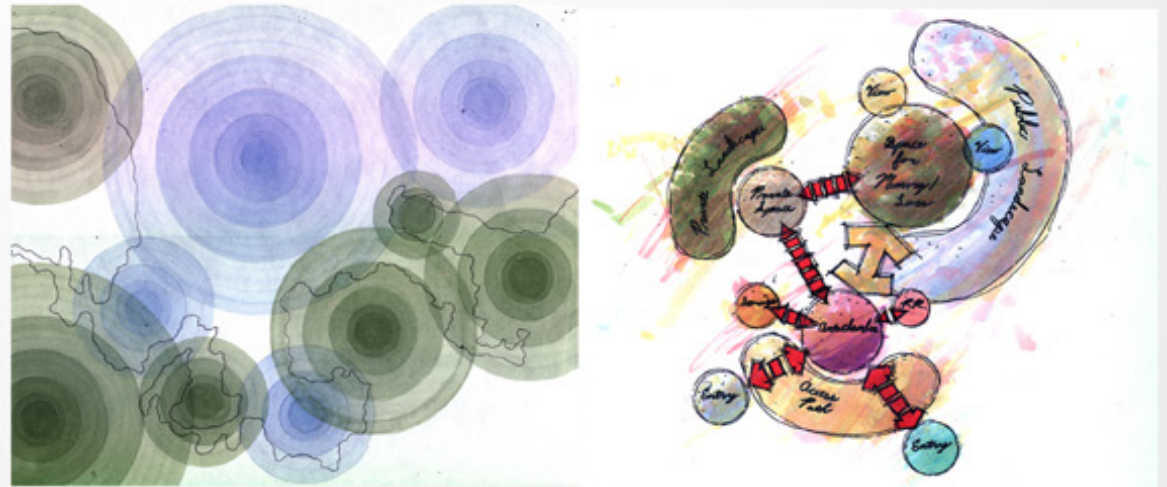
This is a pavilion sited in the marshes of Cocodrie Louisiana. The projects intent was to provide a space where its occupants can reflect on thoughts of memory/loss and bring out the realization of how quickly the Louisiana marsh is being destroyed. The program included two entrances, an antechamber, group reflection space, individual reflection space, restroom, and storage. Initially comparing the relation between land and sea around the site helped determine the specific location of the pavillion. Once the exact placement was determined, key views throughout the site were studied. These views framed specific conditions which enhance the feelings of memory and loss upon the pavillions inhabitants. Views of only marsh grass showing what was, views of both marsh grass and water showing what is, and views of only open water showing what will come.



Site



Site Diagram Model

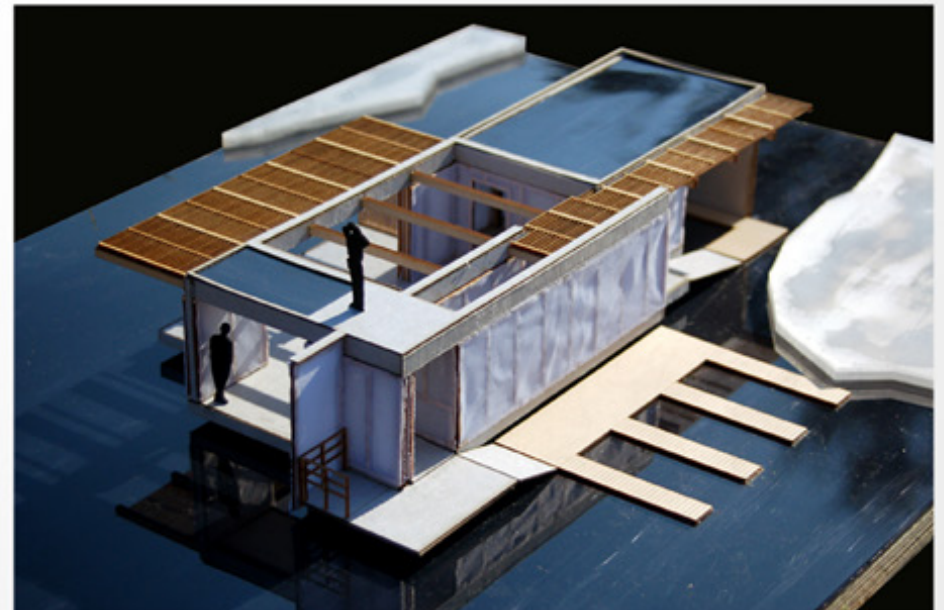
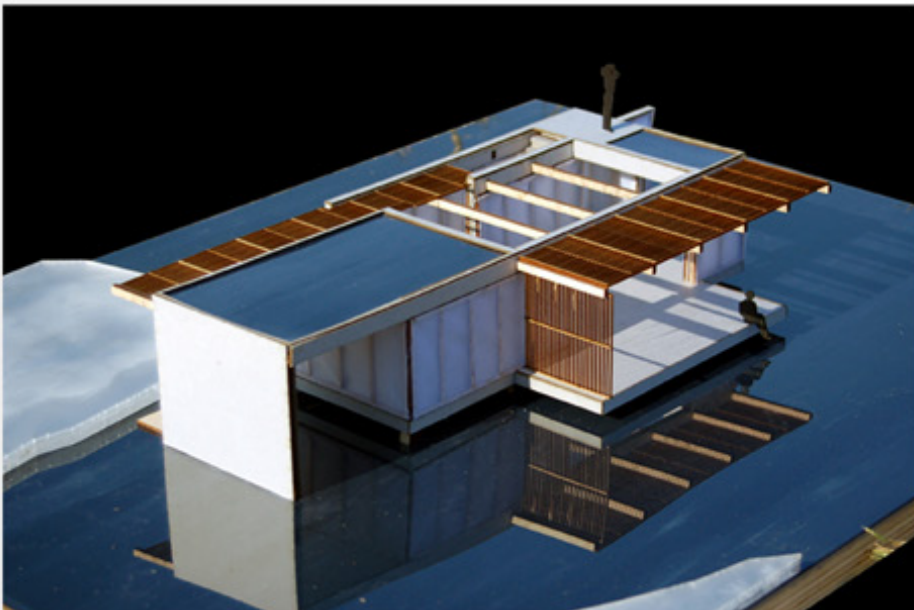
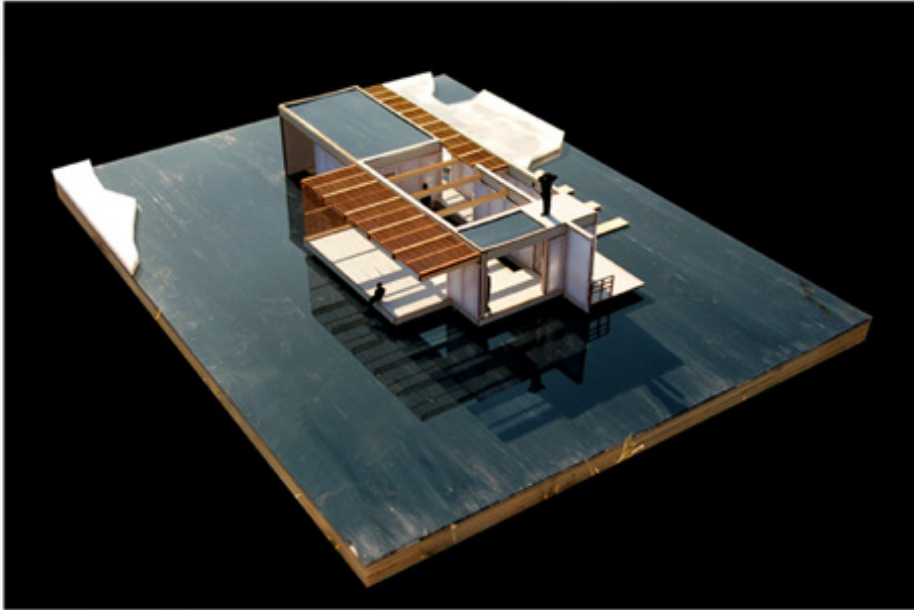


Site

Bubble Diagram

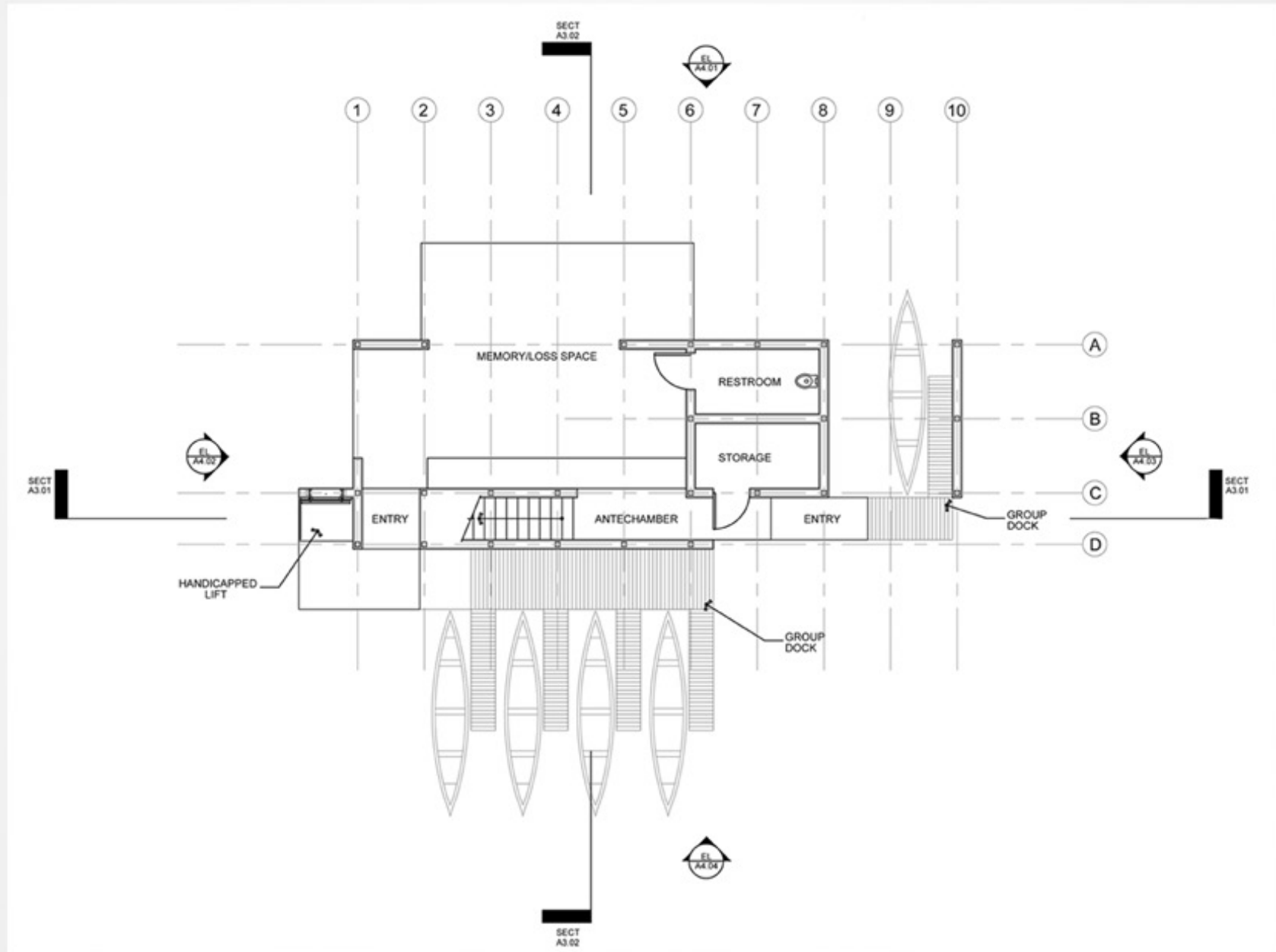
Cocodrie Marsh Pavilion

Model Photographs



Cocodrie Marsh Pavilion

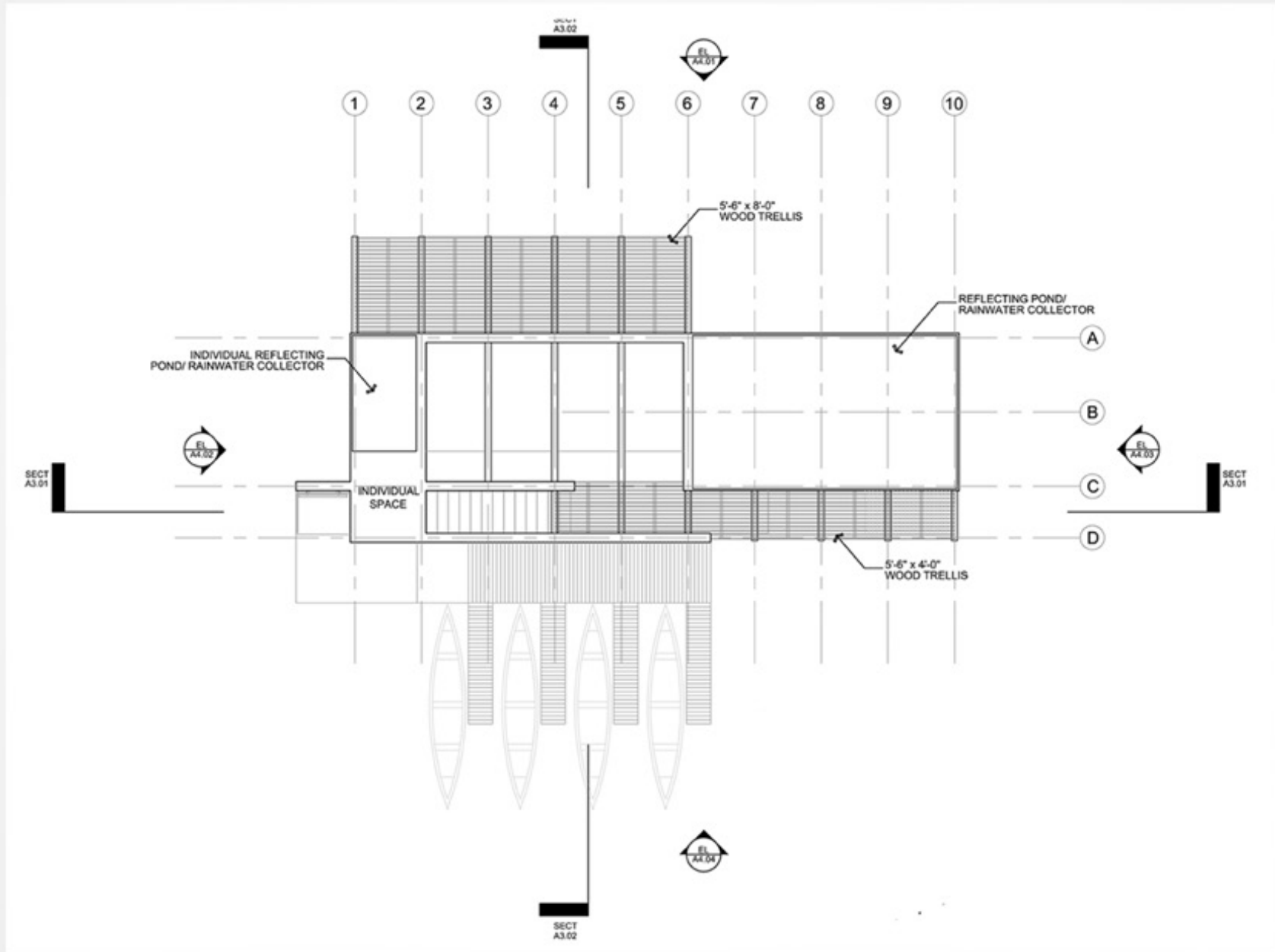
Drawings



First Floor Plan

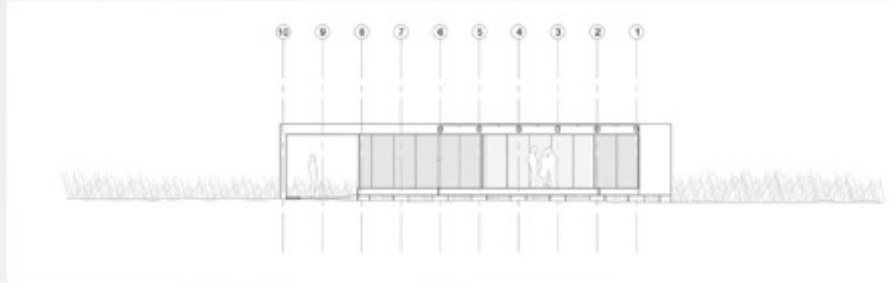
Cocodrie Marsh Pavilion

Drawings

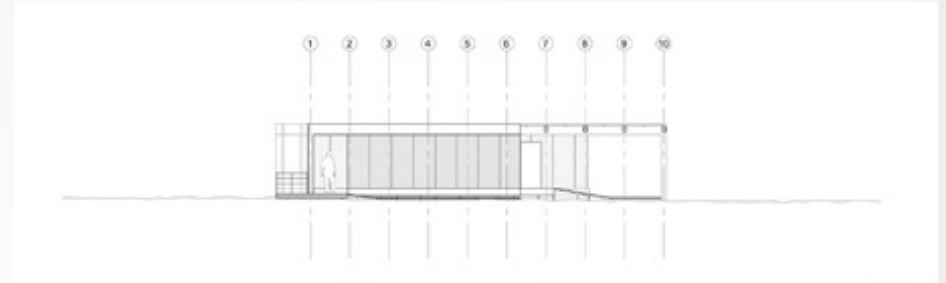


Cocodrie Marsh Pavilion

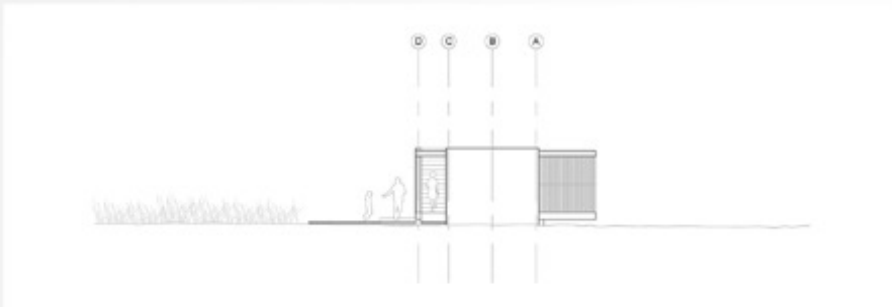
Drawings



Northeast Elevation



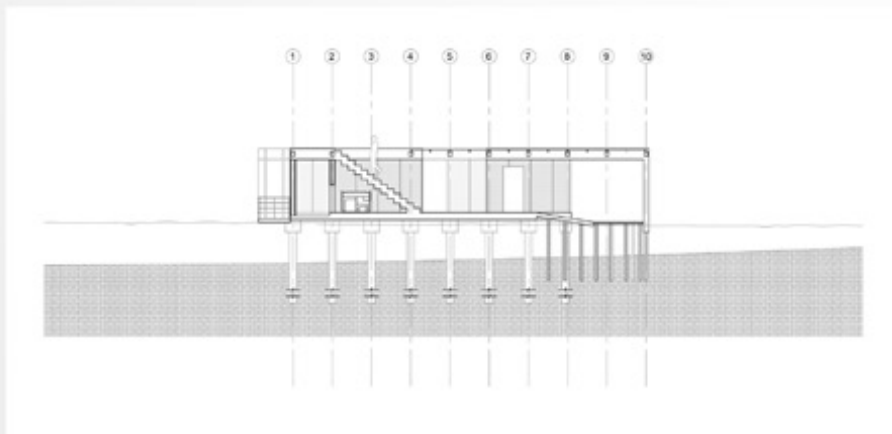
Southwest Elevation



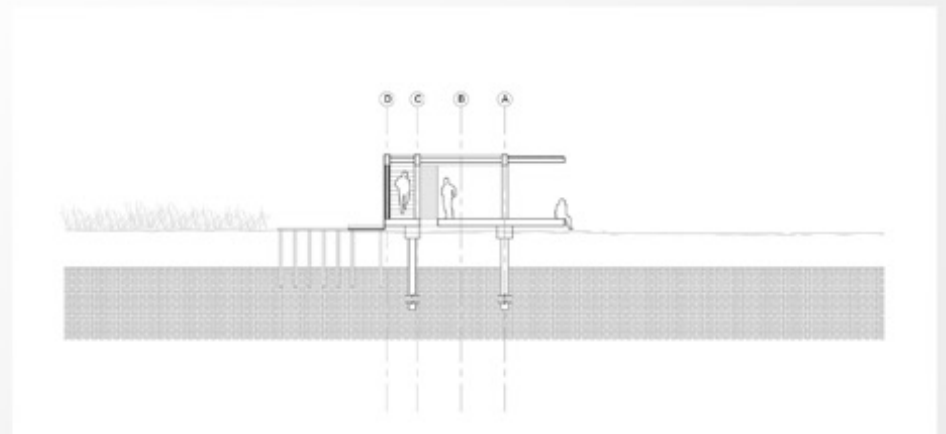
Southeast Elevation



Northwest Elevation



Section A3.01

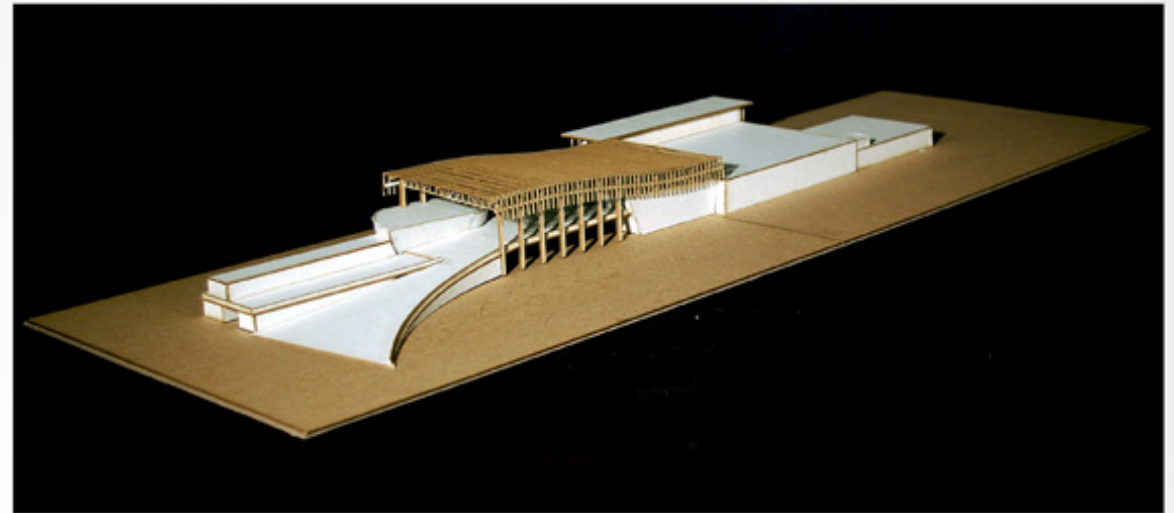


Section A3.02

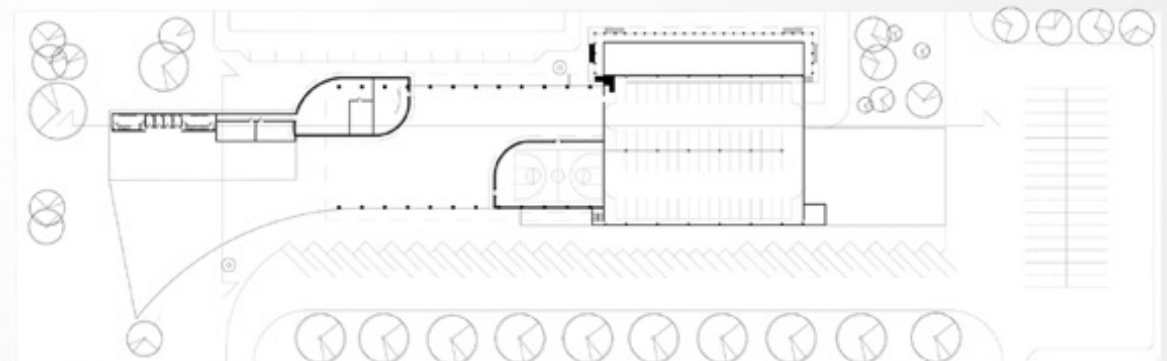
Baton Rouge Intermodal Transit Station

Arch 2002 - Aron Chang - Spring 2010

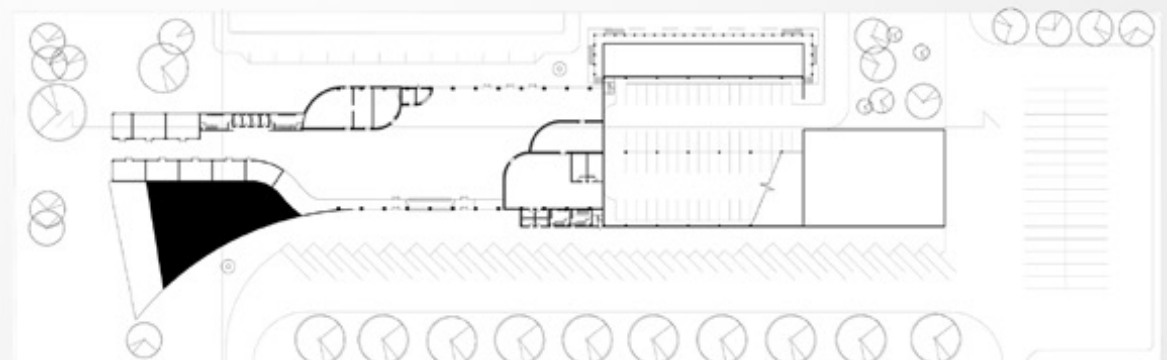
This project is a transit station sited at the current Baton Rouge post office. The program included bays for multiple bus lines, proper parking facilities, a pocket park, and a number of office and retail spaces. We were also required to reuse twelve trusses taken from the Wheatley School in New Orleans. My approach to this project began with creating a series of diagrams illustrating spatial relations between program at different times of day. This information revealed that during the day the station would mostly be used for transit or work related events, and at night for more entertainment purposes. With this in mind I designated the first floor for public concourse to where people can move freely from one place to the other, and the second floor for entertainment and relaxation to where someone may stay for longer periods of time. The exterior space on the second floor is covered by an open canopy supported by the Wheatley trusses, which provides shade but allows for the space to remain exterior. Each floor is easily accessible by either the parking garage, entrance ramp, or two story spaces.



Final Model

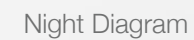
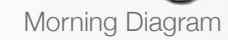
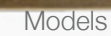
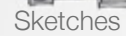


Second Floor Plan



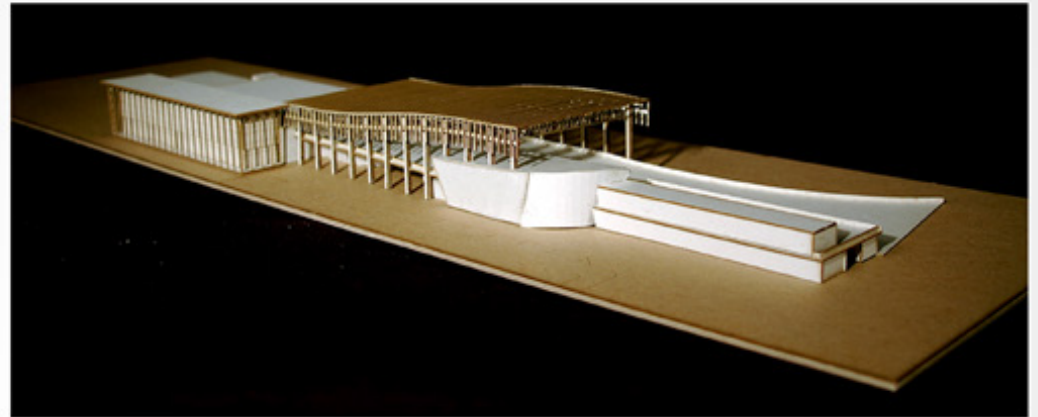
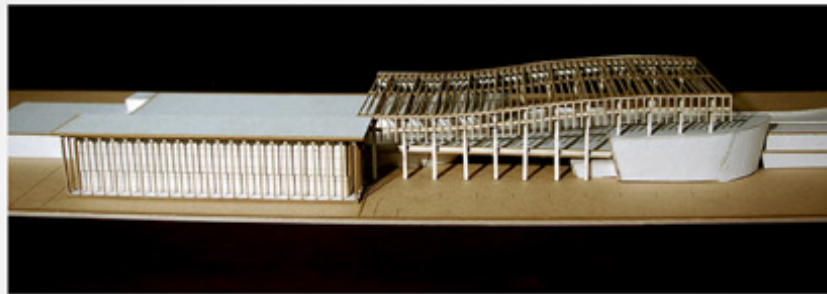
First Floor Plan

Process



Baton Rouge Intermodal Transit Station

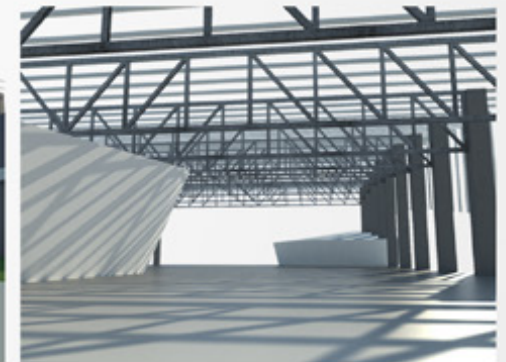
Final Models



Section Detail Model



Transverse Section



Renders



Longitudinal Section

LSU Boathouse

Arch 2001 - Ken Carpenter - Fall 2009

This project is a recreational and storage facility located on the LSU lakes along the edge of campus. The boathouse is intended to provide proper facilities for the LSU rowing team as well as boat rentals for the students of the university. The program included: Boat Storage, Reception Area, Rental Desk, Lounge, Observation Deck, Workout Room, Locker Rooms, Two Classrooms, Two Offices, Restrooms, Service Drive, Parking Lot (25 spaces), and a Boat Launch. My approach to this project consisted of the division of program by floor, with the first being more academic (classrooms and offices) and the second being more entertainment based (lounge and workout facility). Secondly I divided the program by halves of the building, with one side designated for relaxed activities and the other for athletic use.



Site



First Floor Plan

Second Floor Plan

LSU Boathouse

Final Model and Drawings

