

Kyle T. Huhmann

Design Portfolio

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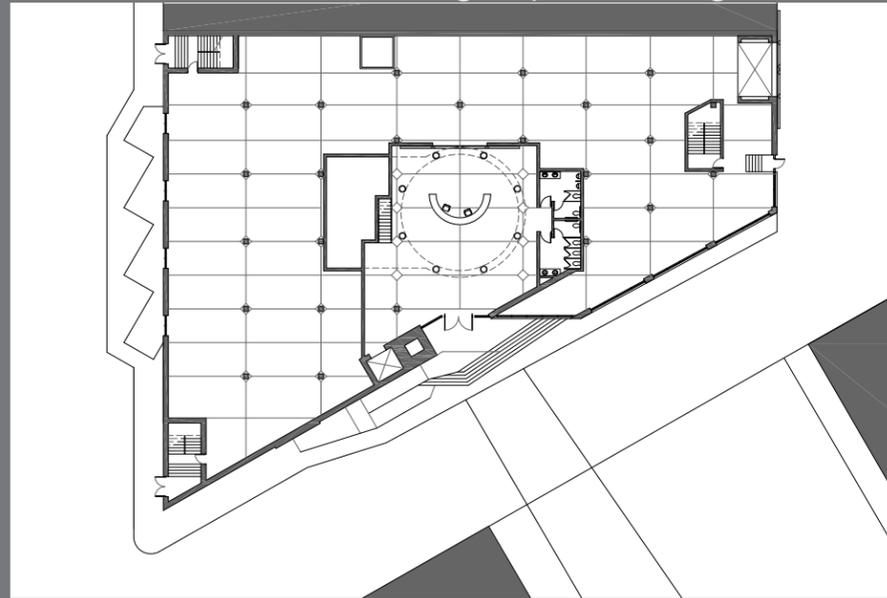
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Westbottoms Sculpture Gallery

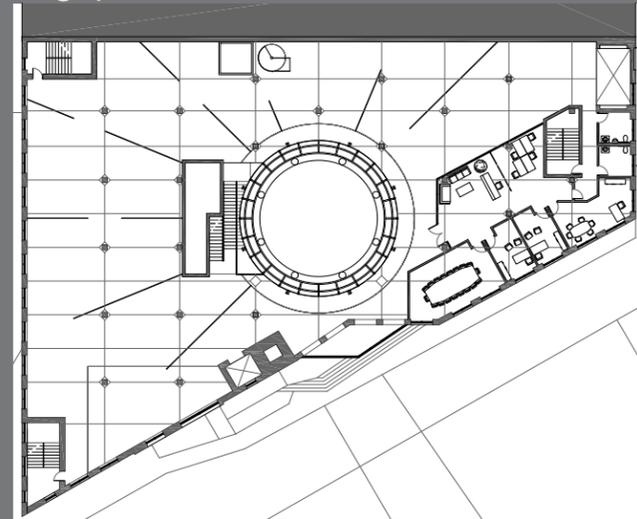
This project was the final design of my graduate year thesis. The program is a sculpture gallery and artist workshop located in the West Bottom Industrial District of Kansas City, MO. The argument of my thesis was to use Martin Heidegger's idea of Fourfold to create a sense of place for being and dwelling. To do this, I chose a historic 1907 brick warehouse as my container, and sculpted the inside to my needs including a 60 foot spherical terrarium which seemingly floats above the lobby. Sculptural artist Gordon Matta Clark was a huge inspiration throughout the entire design process.



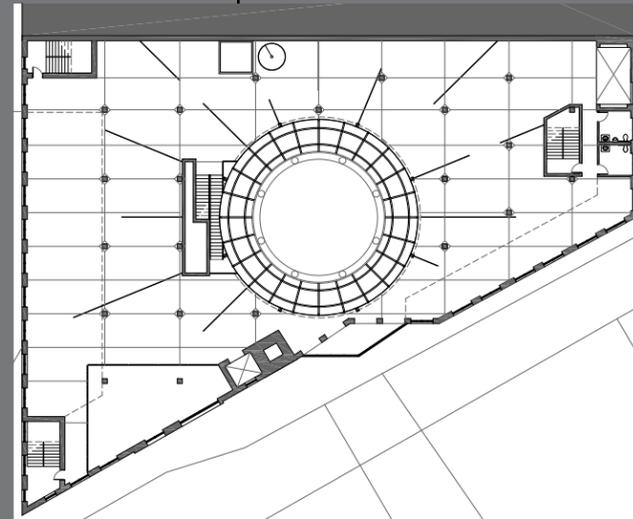
View of entry and sign



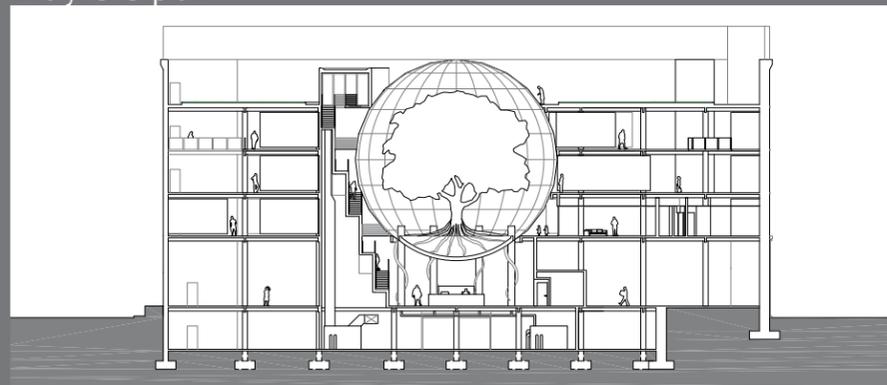
Entry level plan



Second floor plan



Third floor plan



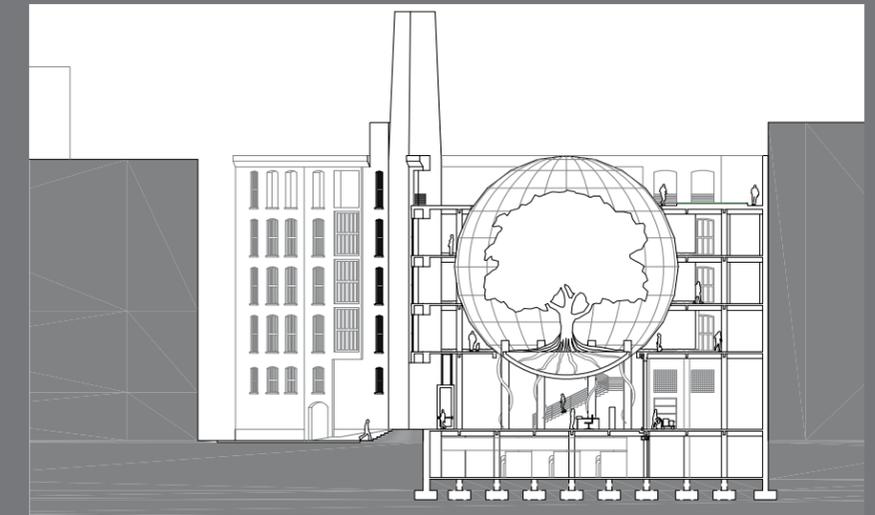
West-East Longitudinal Section



Southeast elevation



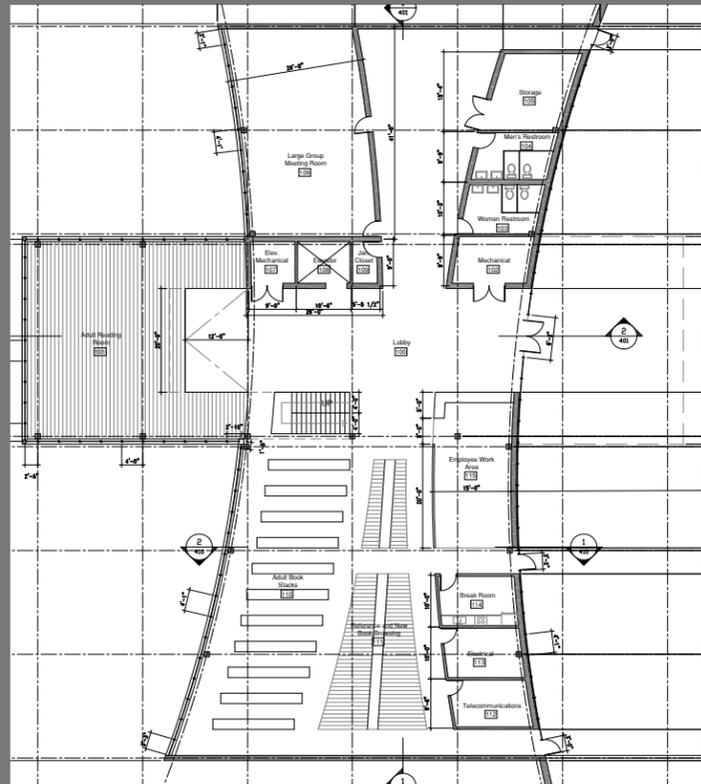
View of intersecting gallery spaces



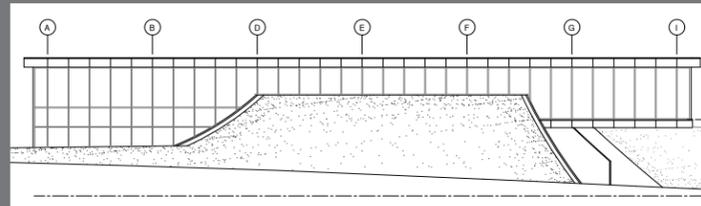
South-north cross section

Manhattan Branch Library

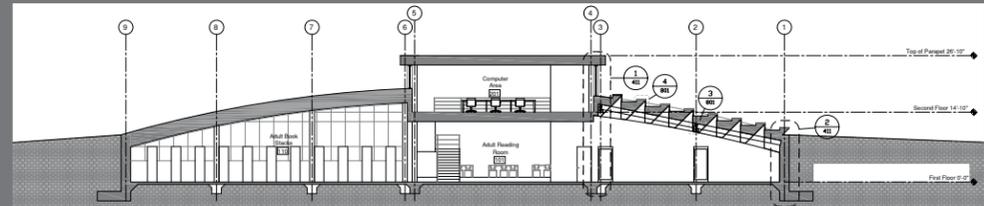
This is a design for a branch library for the expanding city of Manhattan, KS. The main design concept is a tension between heavy and light, earth and sky, mortal and ethereal. The library is integrated into a natural ridge that runs north-south across the site. Within this ridge are the main stacks and services, a cave-like place that harbors the books. When one retrieves a book, they go to the reading areas within the glazed box seemingly floating upon the ridge.



First floor plan



South elevation



South-north longitudinal section



View of stacks and reading room beyond



View of entrance side from street corner

Chair Design Workshop

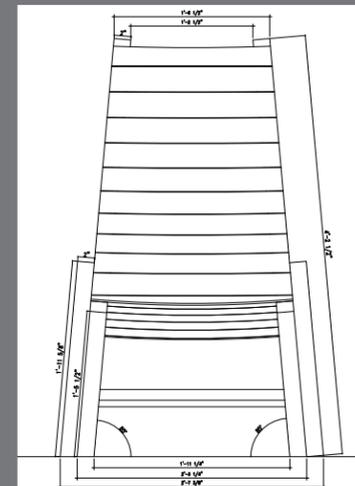
Designing and building this chair is one of the most fun things I've done. It started as a bunch of curves on paper and was developed into a comfortable lounger that really is "the cat's meow." I learned a lot of valuable things while doing this, from resawing and planing hardwood to vacuum-sealing and bending wood into curved forms.



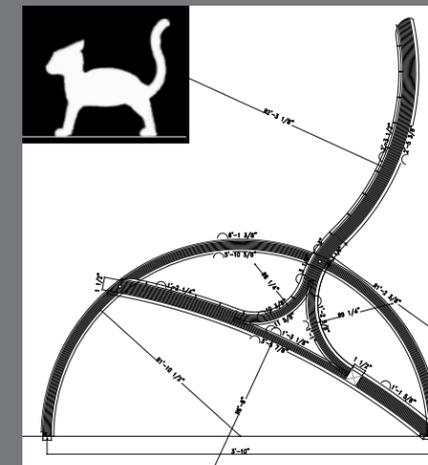
Cat stealing his owner's chair



View of completed chair



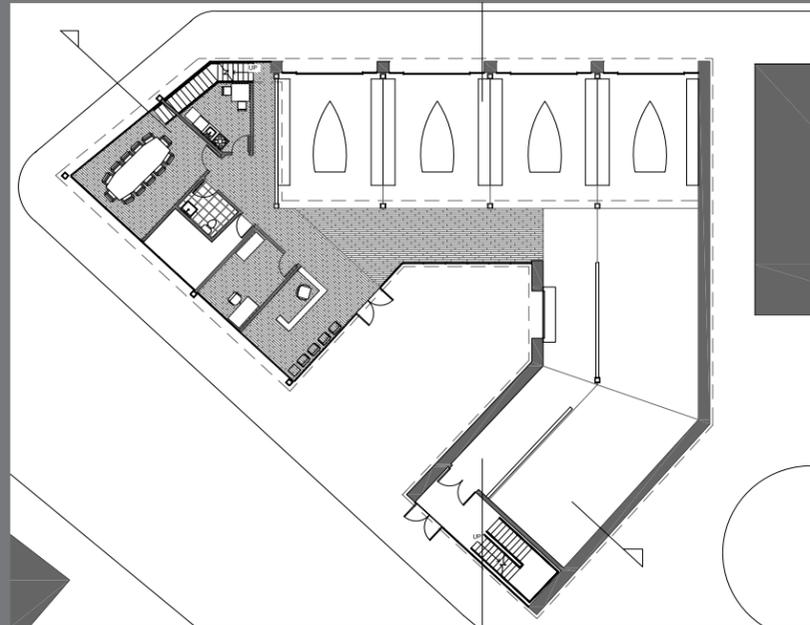
Front view with dimensions



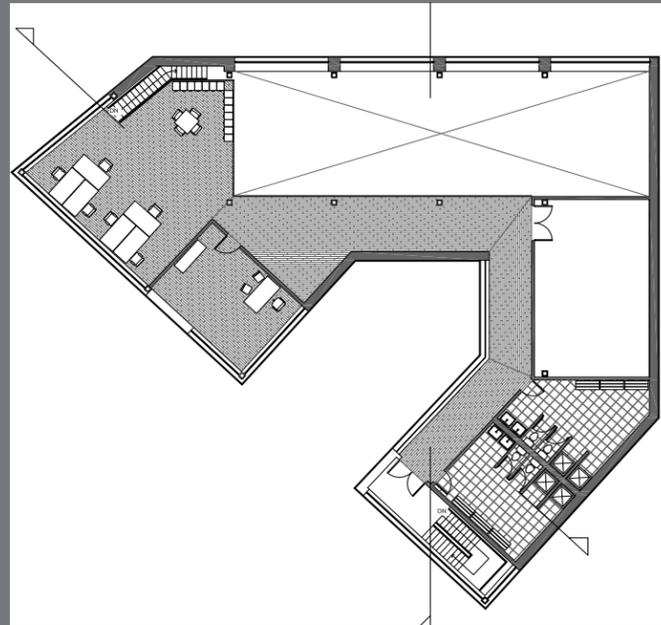
Cross section with dimensions

Beetlecat Sailboat Workshop

This is a design for the Beetlecat Boat Company's new workshop in Boston, Massachusetts. My intent was to mimic a boat in the water, cladding the second level in wooden slats which appear to float above the primarily blue-glazed ground level. This allows passers-by to view the careful crafting of these fine sail boats.



First floor plan



Second floor plan



Model of the shop at its street corner



View from the north of fabrication bay doors



Section model of fabrication bay



View of west corner from street corner



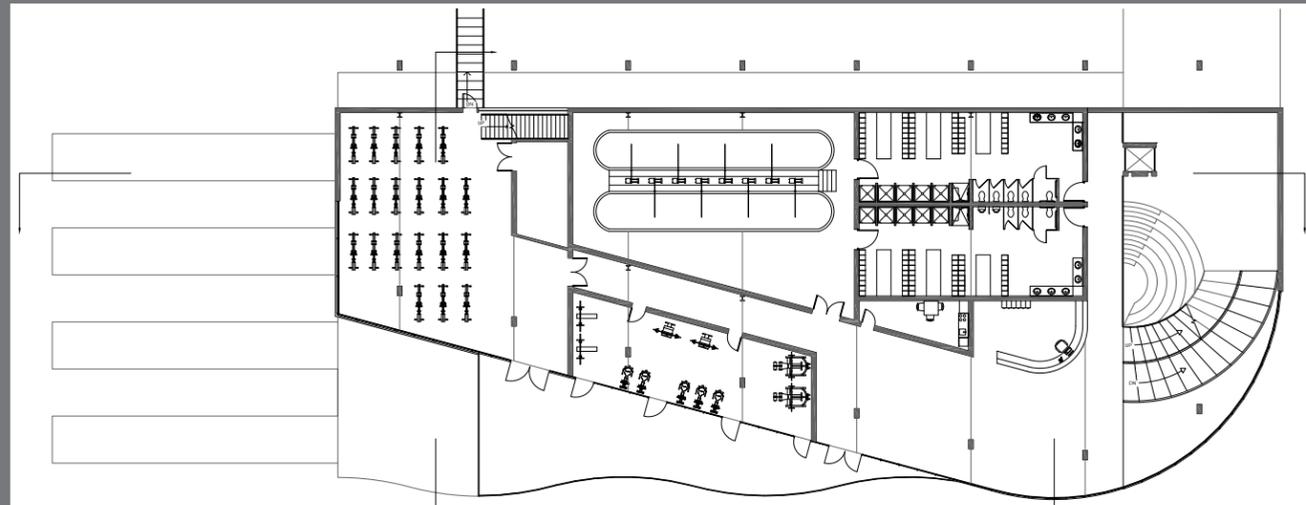
View into fabrication bays from corridor



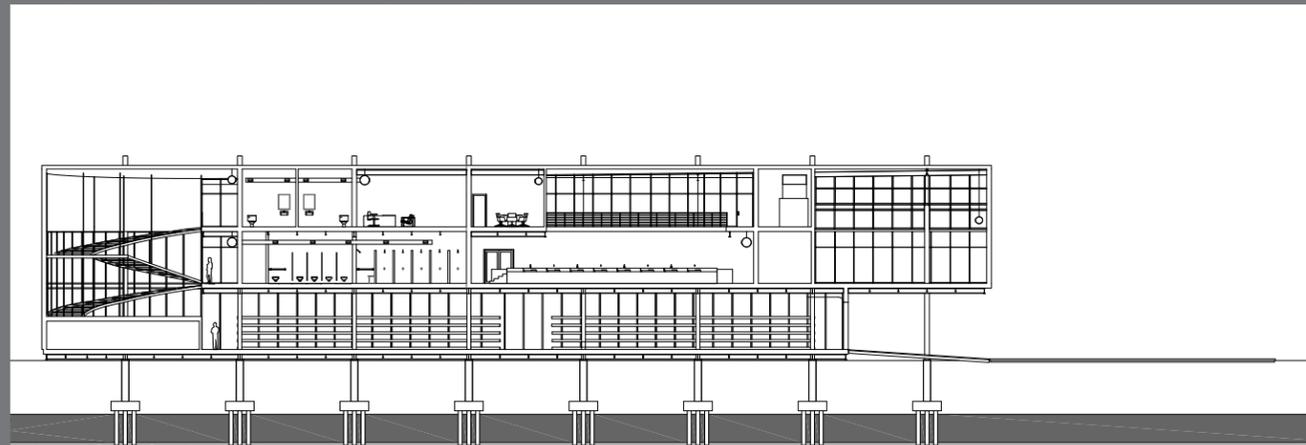
View of offices overlooking the fabrication area

MIT Collegiate Rowing Facility

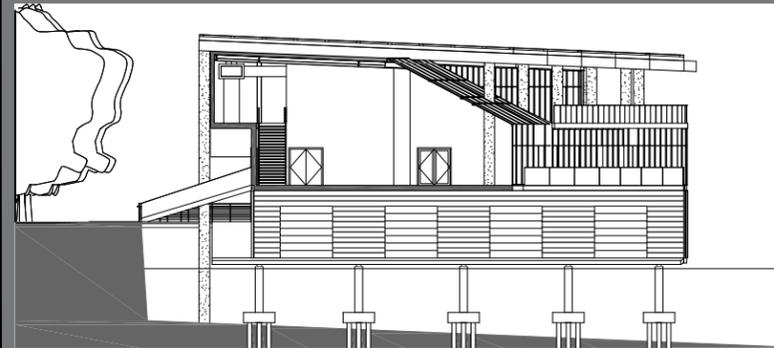
This is a design for a new rowing facility for MIT as well as the surrounding Cambridge community. The main concept was to open up view to the river, even incorporating outdoor terraces, for viewing the regattas that run just in front of the facility.



Entry level (second) - Training facility



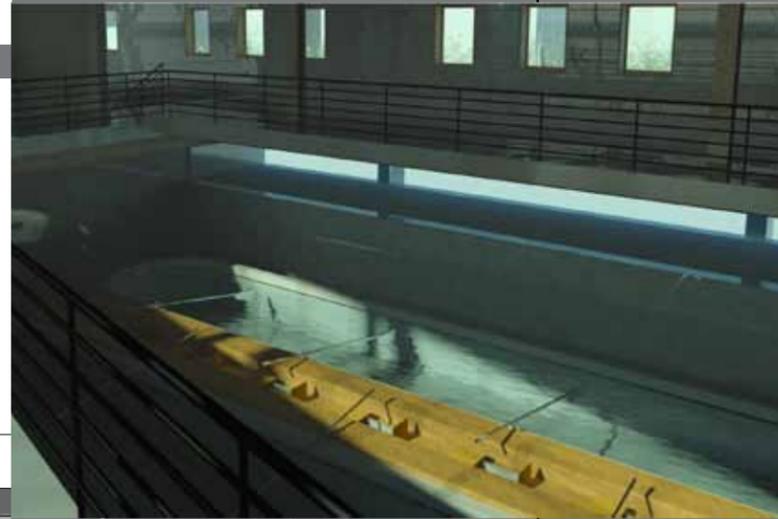
Water level - Boat storage
Second level - Training facility
Third level - Administrative area



Cross-section of building and riverwall



View of facility from downstream in the evening



View of rowing tank chamber

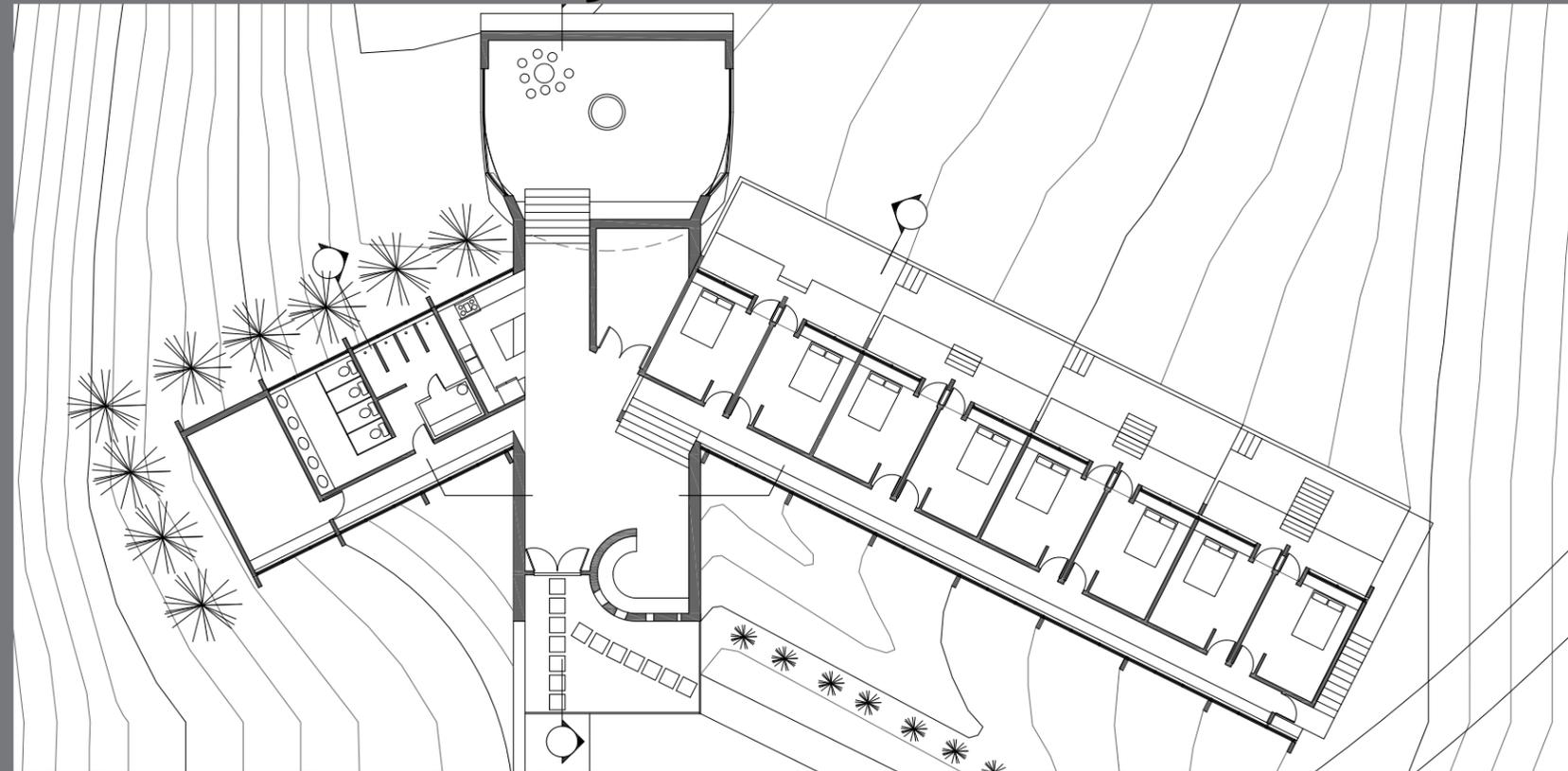


View of grand stair upon entry

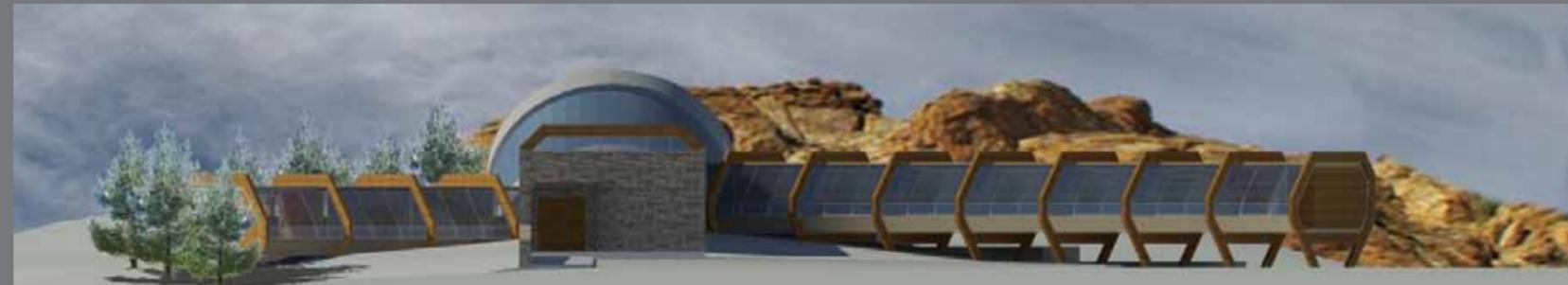


View of street facade facing Alvar Aalto's Baker House

Earth and Sky Retreat



Floor plan and topography of retreat complex



South elevation

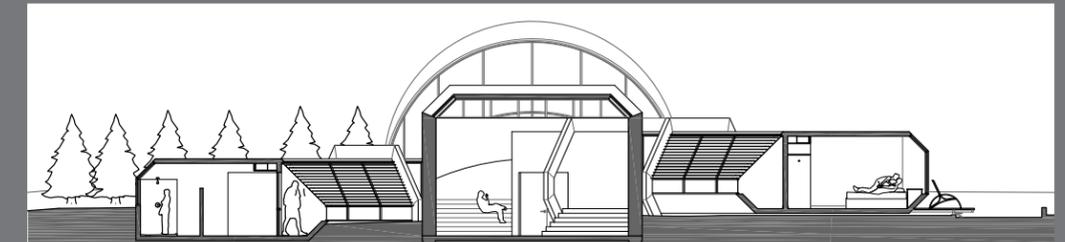
The culmination of the first semester's thoughts on shadow, this retreat acts as a shelter in a region of both desolation and blossoming life. The concept is very much about opposing forces, which lead to the specific placement on its peninsula into Elephant Butte Reservoir, with mountains and mesas rising to the east and salt flats racing off to the west. The retreat itself is a temple of contemplation and spirituality for those who seek connection with the earth. The temple connects earth and sky by measuring the sun's path through the sky and tracing the ellipse's shadow through the chamber from summer to winter.



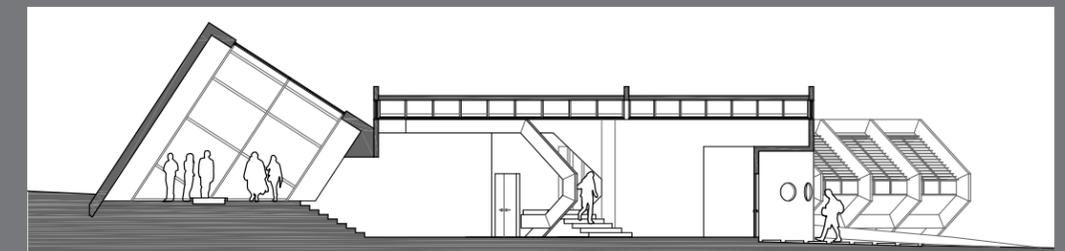
Site map of peninsula and mountains to the east



View from entrance hall back towards temple



West-east building section through each wing



North-south building section of procession from entrance to temple



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