

The New Church of Amherst

Advisor: Madis Philak

Fall 2015 - Spring 2016

30 Weeks

Navigation icons: Home, Back, ID, Forward, Ps



Amherst, Massachusetts

The New Church of Amherst is a new building typology located in Amherst, Massachusetts. This thesis is the cumulation of multiple studies, including research on the state of holistic health in America, existing programmatic breakdowns of churches, community centers, and holistic health centers, and the historic local context.



Eventarium

Professors: David Sabatello
Simone Bove

Architectural Design VI

Spring 2015

15 Weeks

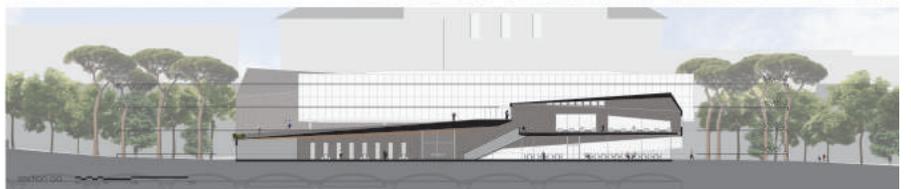
▲ *red* Ai  Ps



Rome, Italy



The Eventarium was located in the historic Villa Borghese just outside the ancient walls of Rome, Italy. The program was split up into multiple buildings to house the multi-purpose functions of museum, restaurant, and event spaces. A feature bridge was added to unify the buildings, as well as connecting the Villa Medici to the rest of the park.



Helios House

Professors: Eric Sutherland
Lisa Iulo

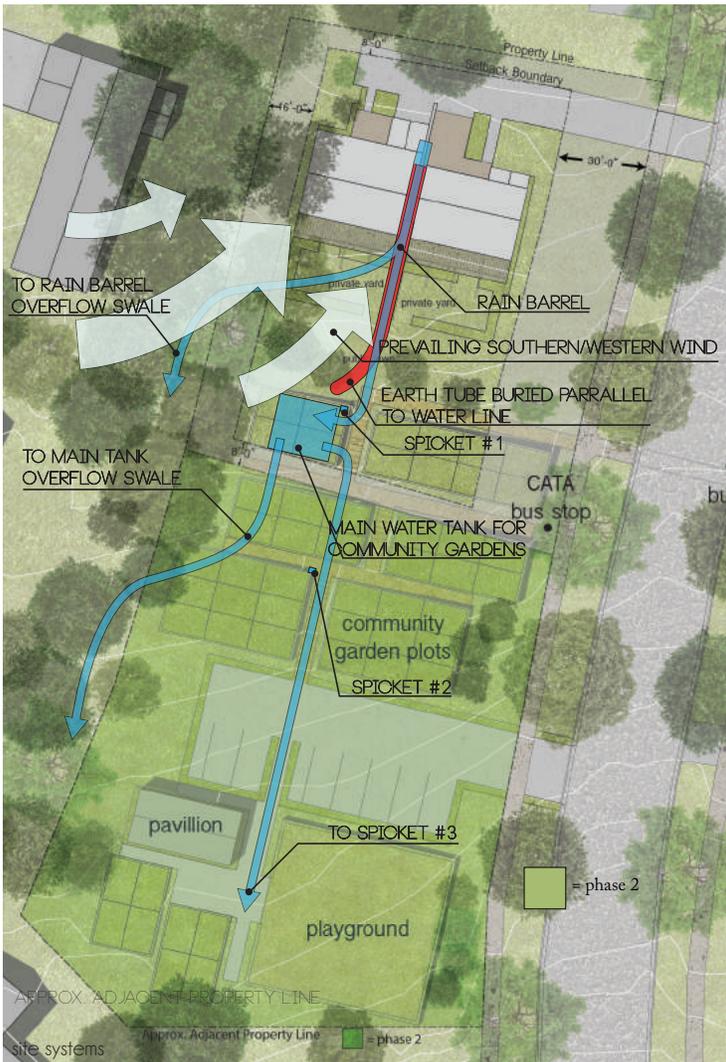
Architectural Design V

Fall 2014

15 Weeks

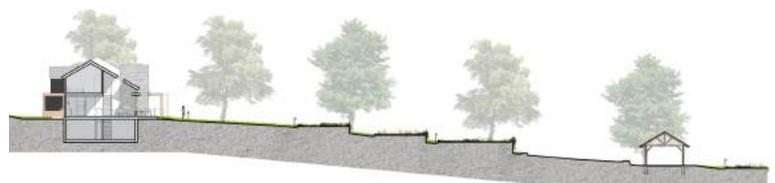
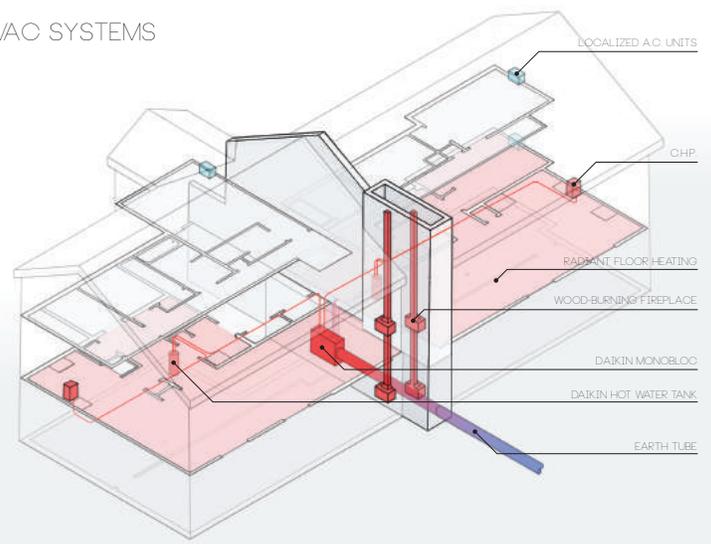


State College, PA



The Helios House was oriented facing south rather than to the street as to allow both sides of the duplex an equal amount of sunlight. The idea of light entering the house became the language by which the spaces of the house were organized. The planning of the site and building were layered from south to north as to give priority to the southern exposure.

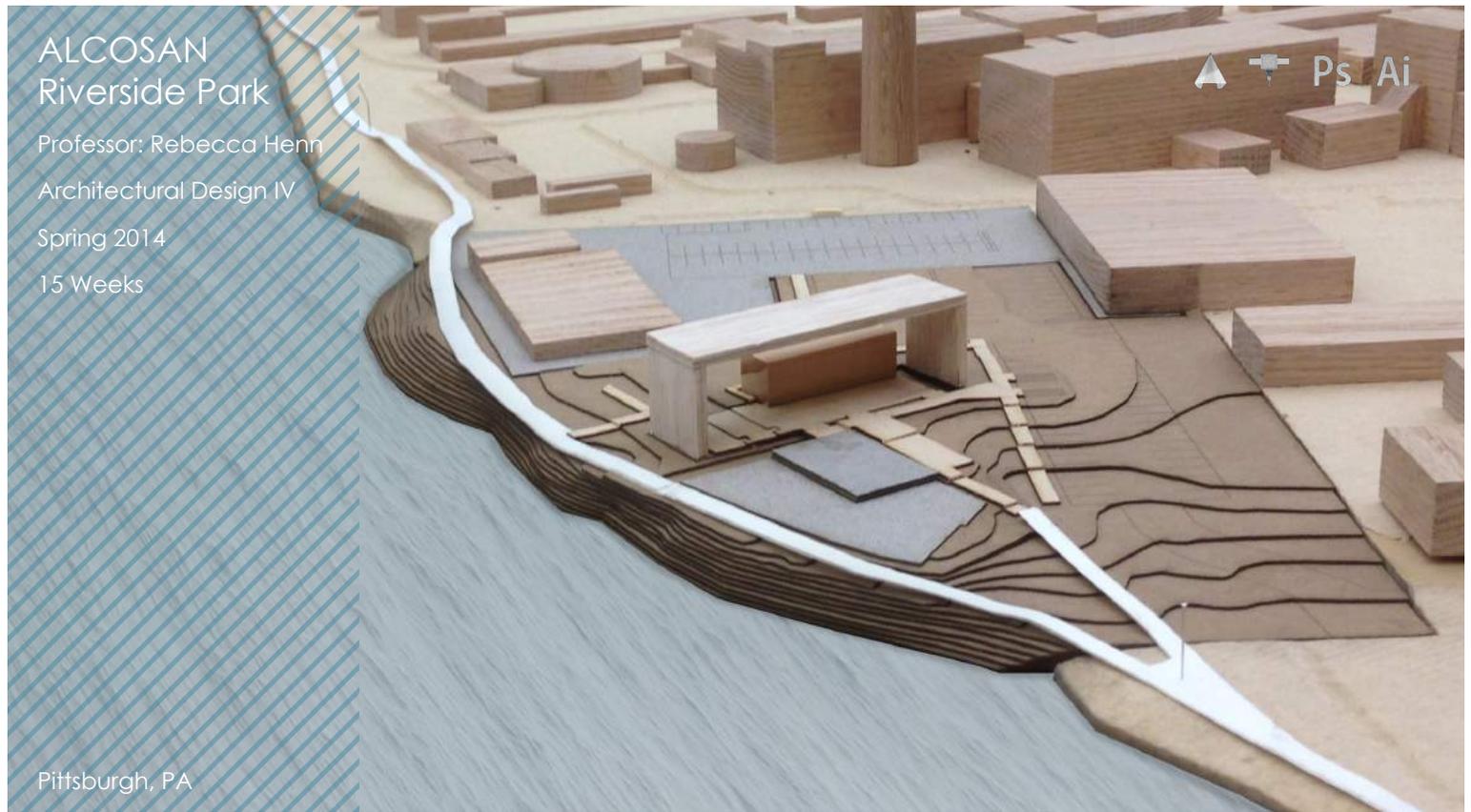
HVAC SYSTEMS



ALCOSAN Riverside Park

Professor: Rebecca Henn
Architectural Design IV
Spring 2014
15 Weeks

Pittsburgh, PA



The ALCOSAN Education center was proposed as a welcome center and museum that would educate the public about the wastewater treatment plant in Pittsburg, PA. I proposed extending the existing bike path and connecting it into a loop as well as showcasing the hidden parts of the plant.



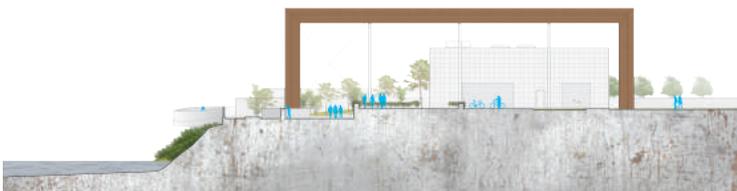
bike path and filtration tank



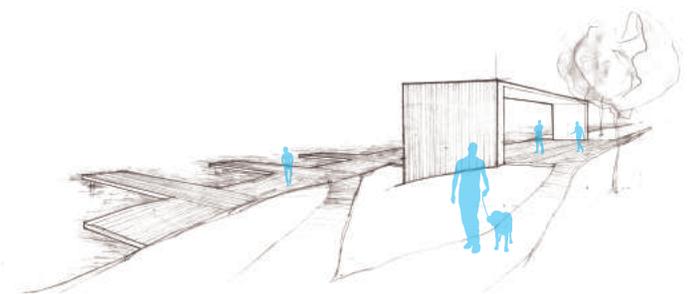
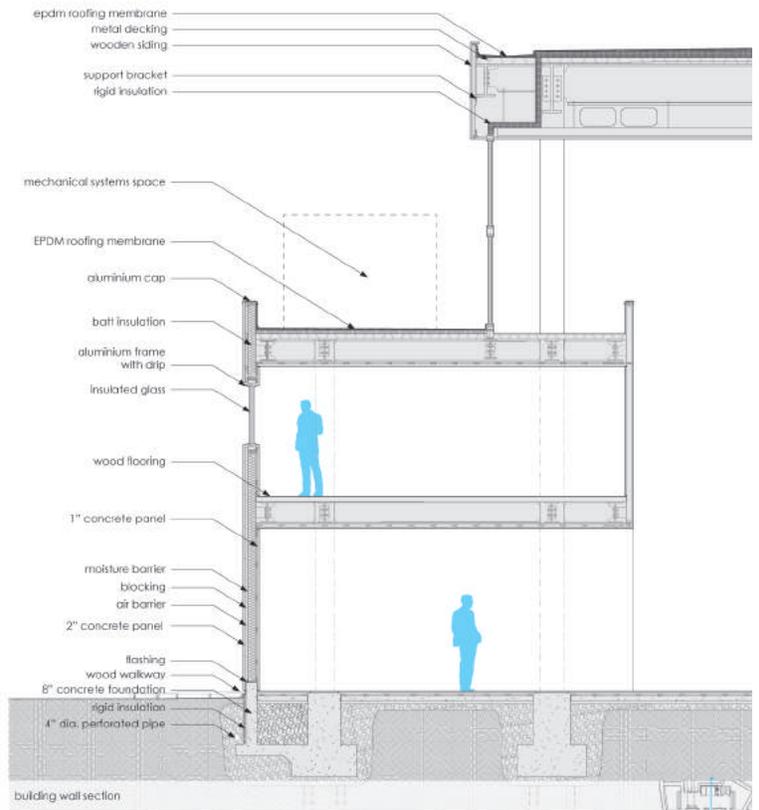
dock with boathouse



welcome building core



beer garden with welcome building



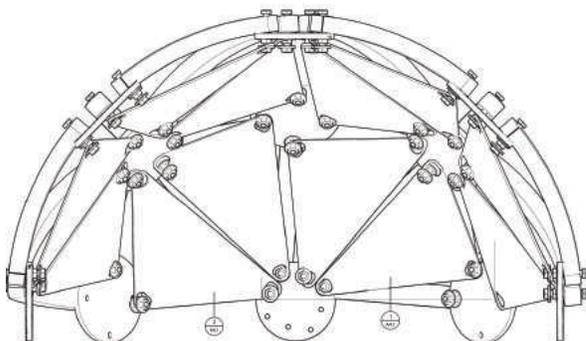
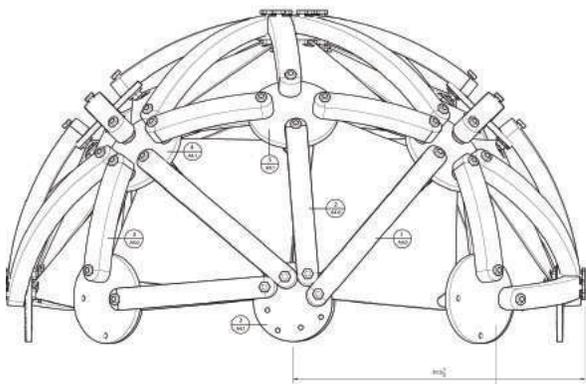
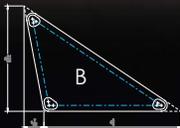
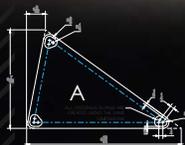
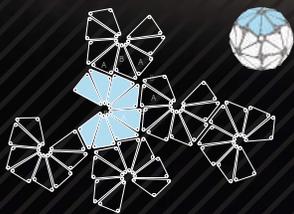
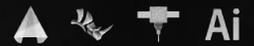
Geodesic Sphere

Professor: Eric Sutherland

Materials and Building
Construction I

Fall 2012

4 Weeks



geodesic - the shortest line between two points that lies in a given surface

The sphere project was inspired by geodesic spheres in architecture. The sphere was to be made from individual segments of our design, being no larger than 12in x 12in. The sphere was to have a set diameter and have no internal supports. My group took the idea of geodesic in its purest form and created curved segments to form the sphere. The sphere was modeled using Autodesk Rhino to ensure the curved pieces of wood were accurate. The wooden discs and sails were created using Autodesk AutoCAD.

