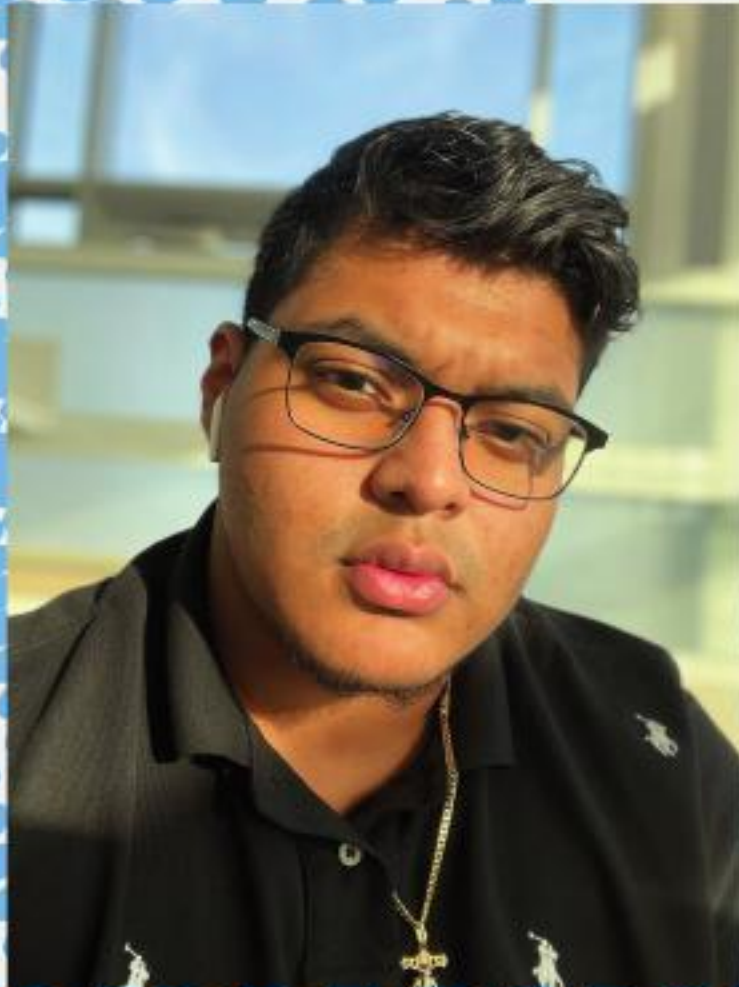




Portfolio

Created by
Jack C Guzman

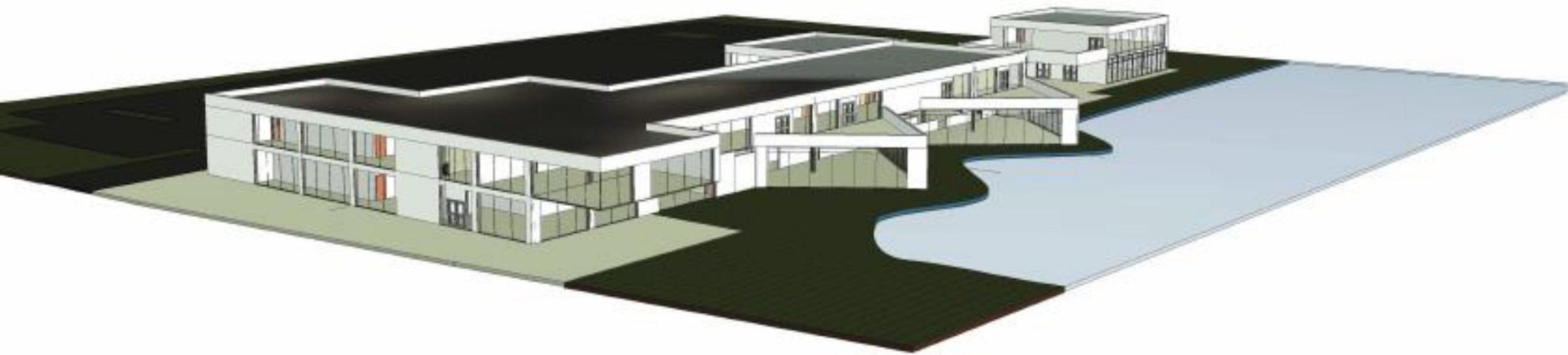
Bio: Jack C Guzman



I am a graduate of Farmingdale State College with a Bachelor of Science in Architectural Engineering Technology. During my studies, I became proficient in Revit, AutoCAD, and AutoCAD 3D and served as President of the Architecture & Construction Technology (ACT) Club. As president, I led the club's participation in Canstruction, designing a lighthouse structure for the competition. Currently, I work as a Team Manager in Framing at GVJG Corp, where I have gained hands-on experience in framing walls, roofs, ceilings, windows, decking, and headers. My background includes structural knowledge of LRFD and ASD methods, and I am eager to further develop my understanding of design, structural load calculations, and residential structural engineering, and architectural design. I am highly adaptable, quick to learn new programs, and excited to expand my knowledge of the architectural process, including permit submission and filing. I look forward to new opportunities to grow within the field.

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Bayshore Library

Library & Cafe

Located on 2 Garner Lane in Bayshore NY is a lot that was formerly a historical structure and eventually demolished. The property had the opportunity to be on the main street of Montauk Hwy and share its lot line with a nearby lake. Being a historical site it is inferred that it is meant to draw a significance to the community. This being said as a task we were given the option to choose a building use that would best fit the site. I chose the Library for which it can be used as a community center rather being used only for its resources of books and technology. The exterior facade of the building is made of white EFIS to stand out towards the public driving down Montauk Hwy. It is structurally supported with steel frame to be able to cover the wide spans and cantilever systems in place creating spaces and significant attentions for gatherings of the community encouraging social interaction.

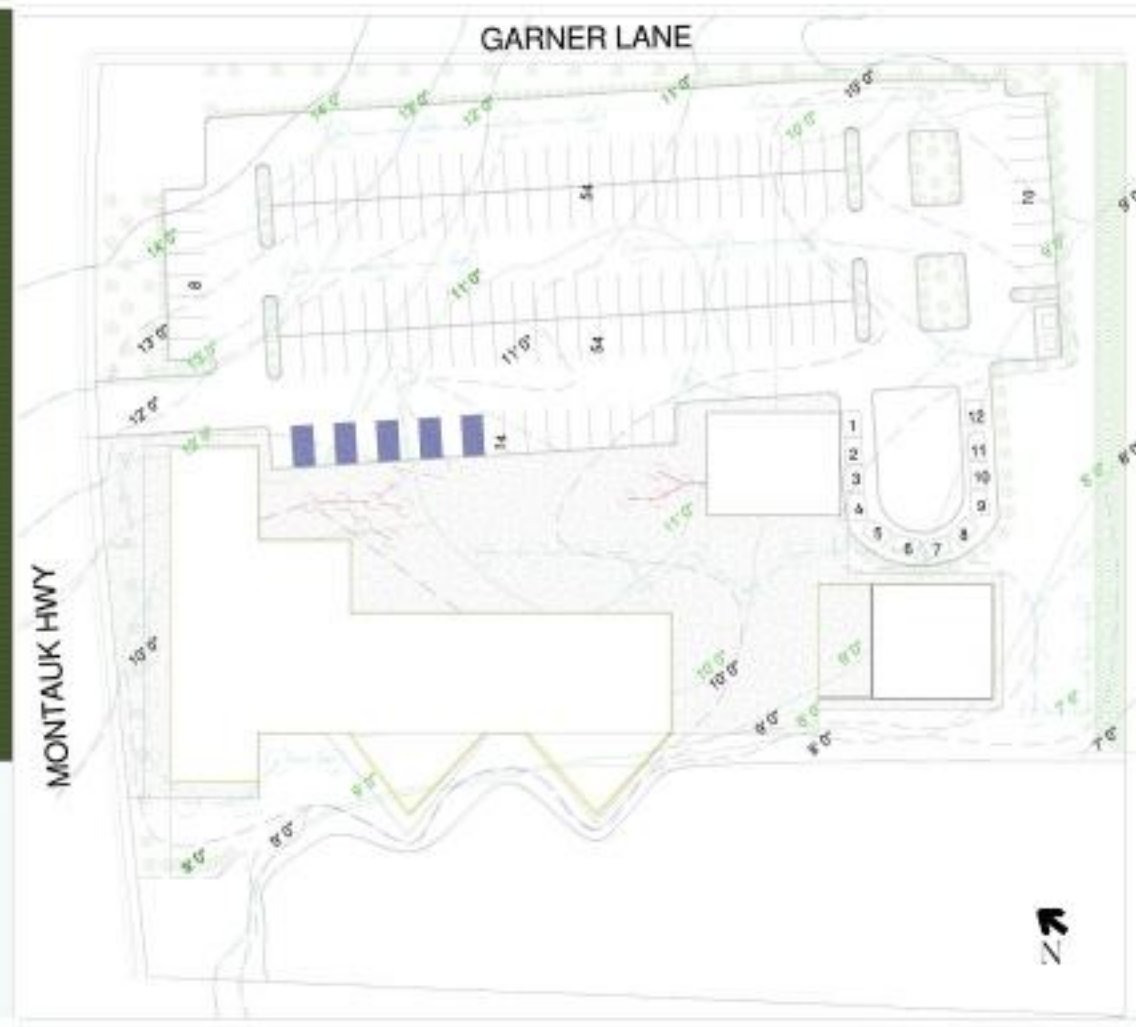
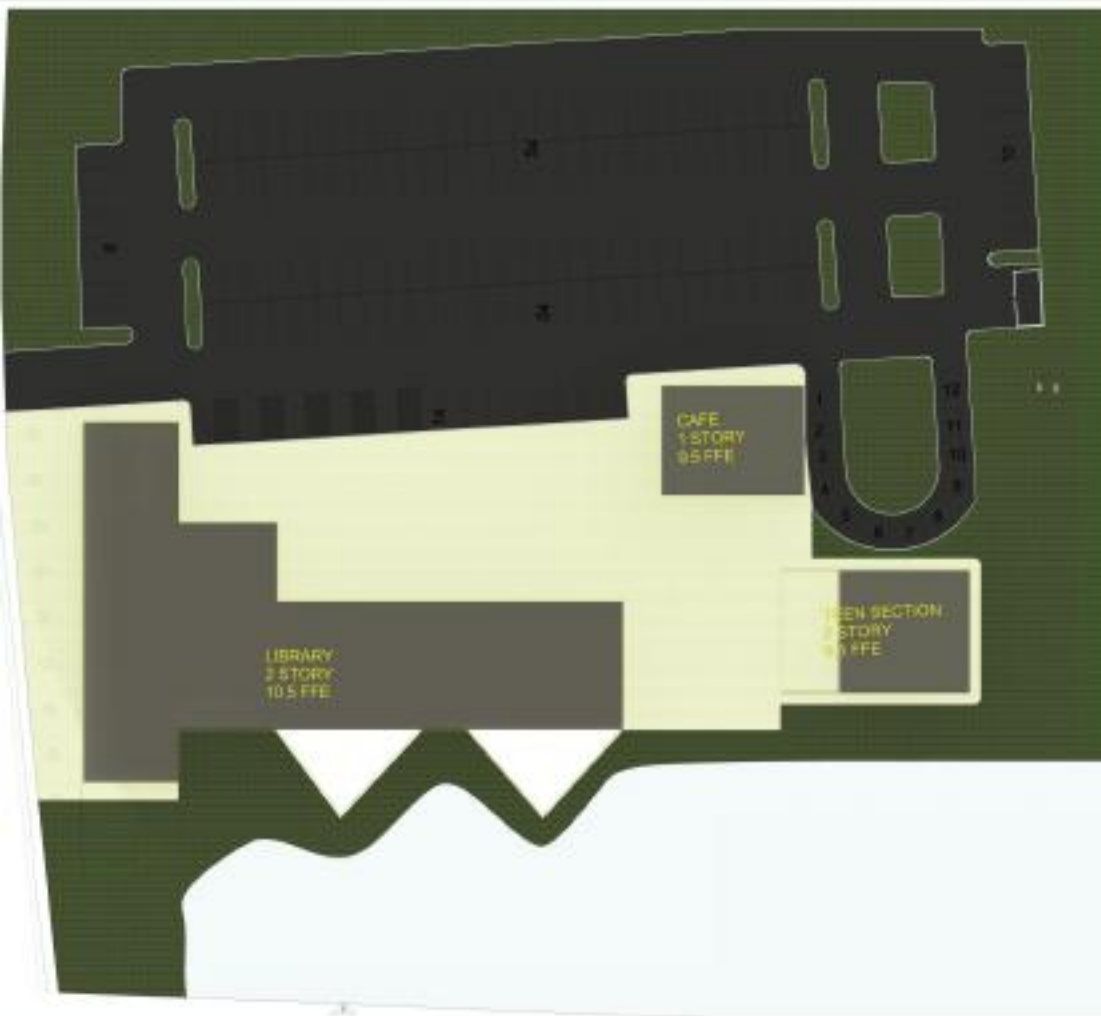
SOFTWARE USED

REVIT
AUTOCAD

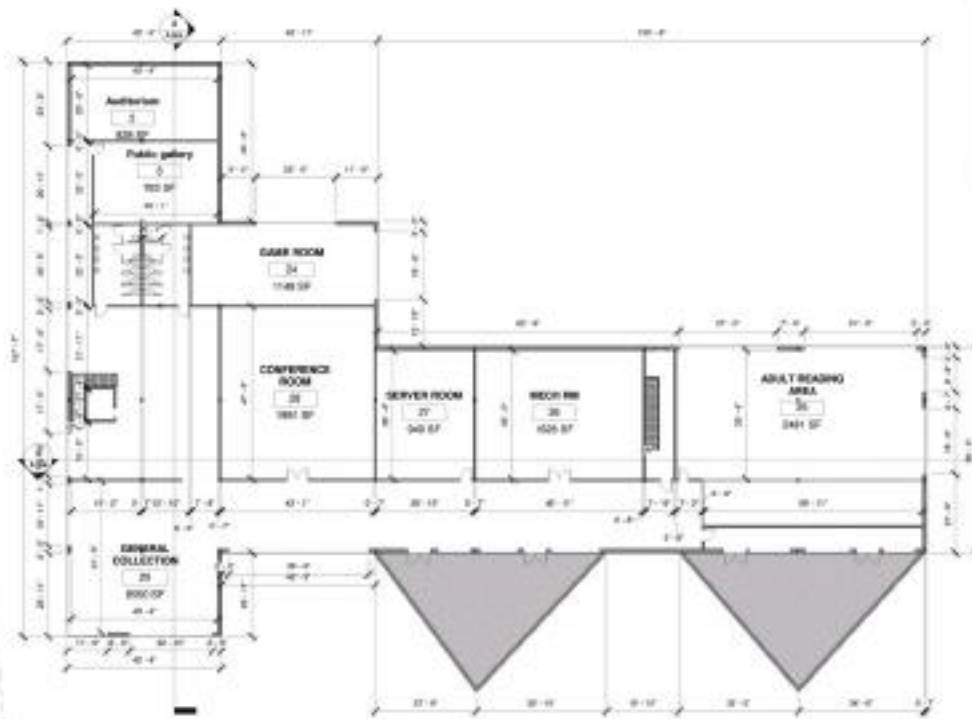
FALL 2024

DESIGN 5
FSC

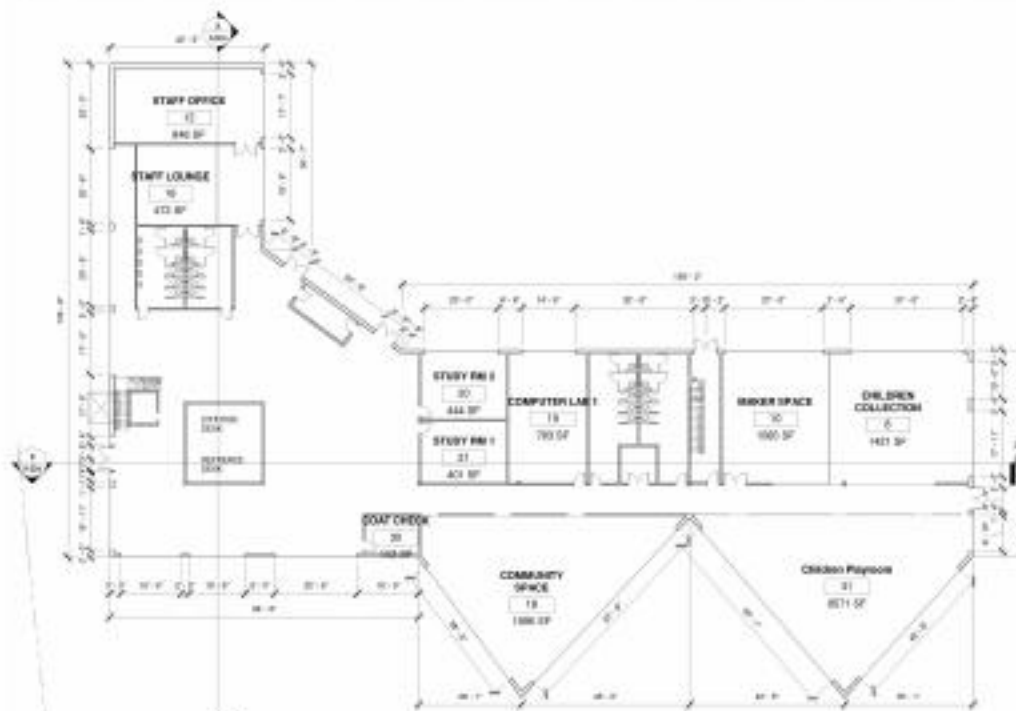
Site plan



The area between the cafe and library and teen section is the essence of the project for which it is creating a convenience for any user of age or gender. Whether you are an employee or a patron. The created spaces permits access to a water view cafe view and while being together the areas are still individual while sharing a moment.



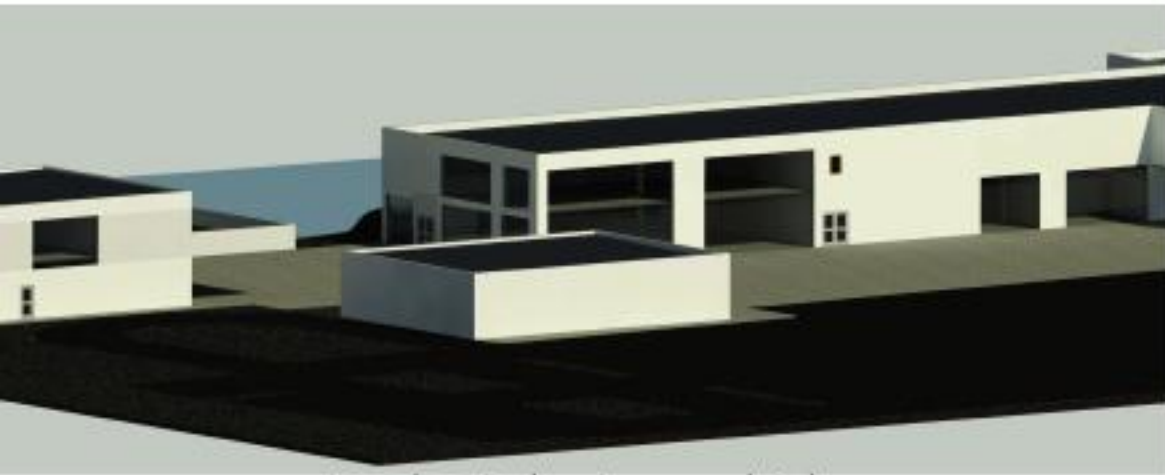
1ST FLOOR



2ND FLOOR



Birdseye view from Montauk Hwy towards parking lot rear



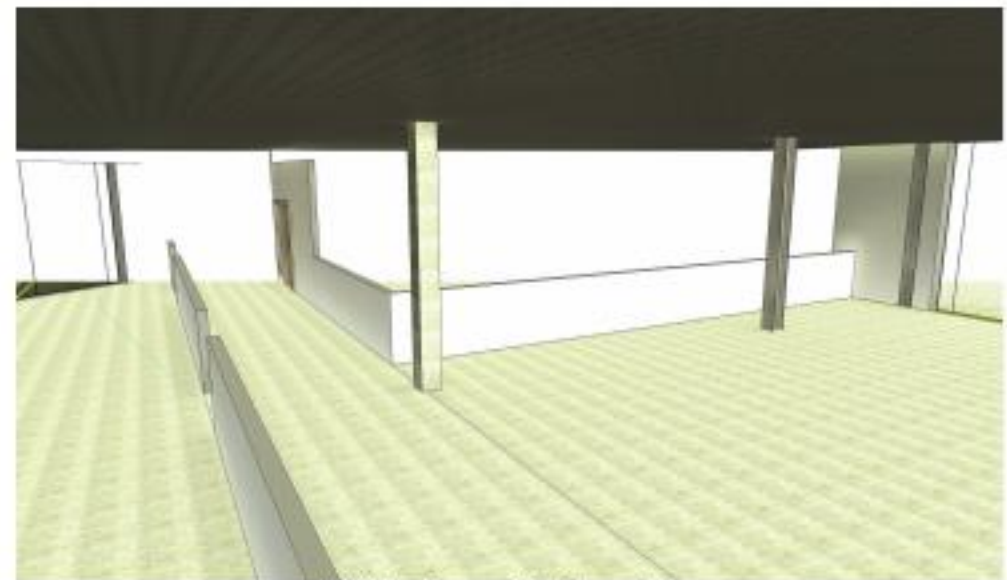
View from Parking Lot towards Lake



Green Roof to lake View



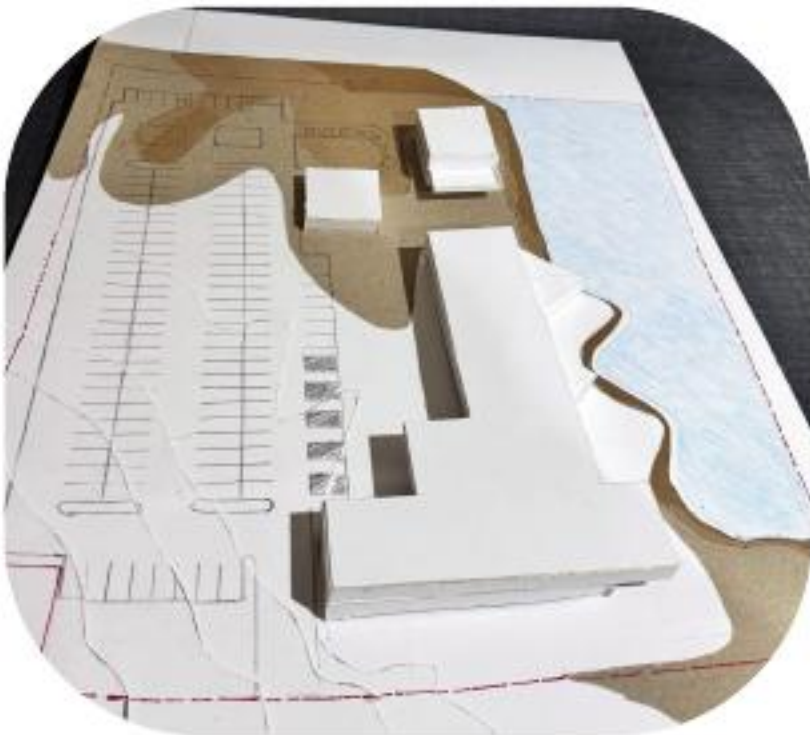
Interior View to Maker Room



Walking into Children Area



Model





Long Island Museum

Museum & Restaurant

Located on Veterans Memorial Hwy in Bohemia, NY is a lot that is completely paved and formerly a parking lot for trucks and busses. The task was to create a new museum to draw the attention of the community and turn a well known area of industrial parks into a destination for the community. The best destination could be a museum about Long Island to teach future generations about the past and how significant the island was in history. Not only does it have a museum but a restaurant in which you can dine. The form of the building is to resemble the Long Island Forks while combining a traditional esthetic of Eastern long island's Cupulas on the ridge of the roof. The Exterior facades are Mahogany vertical trims and white stucco.

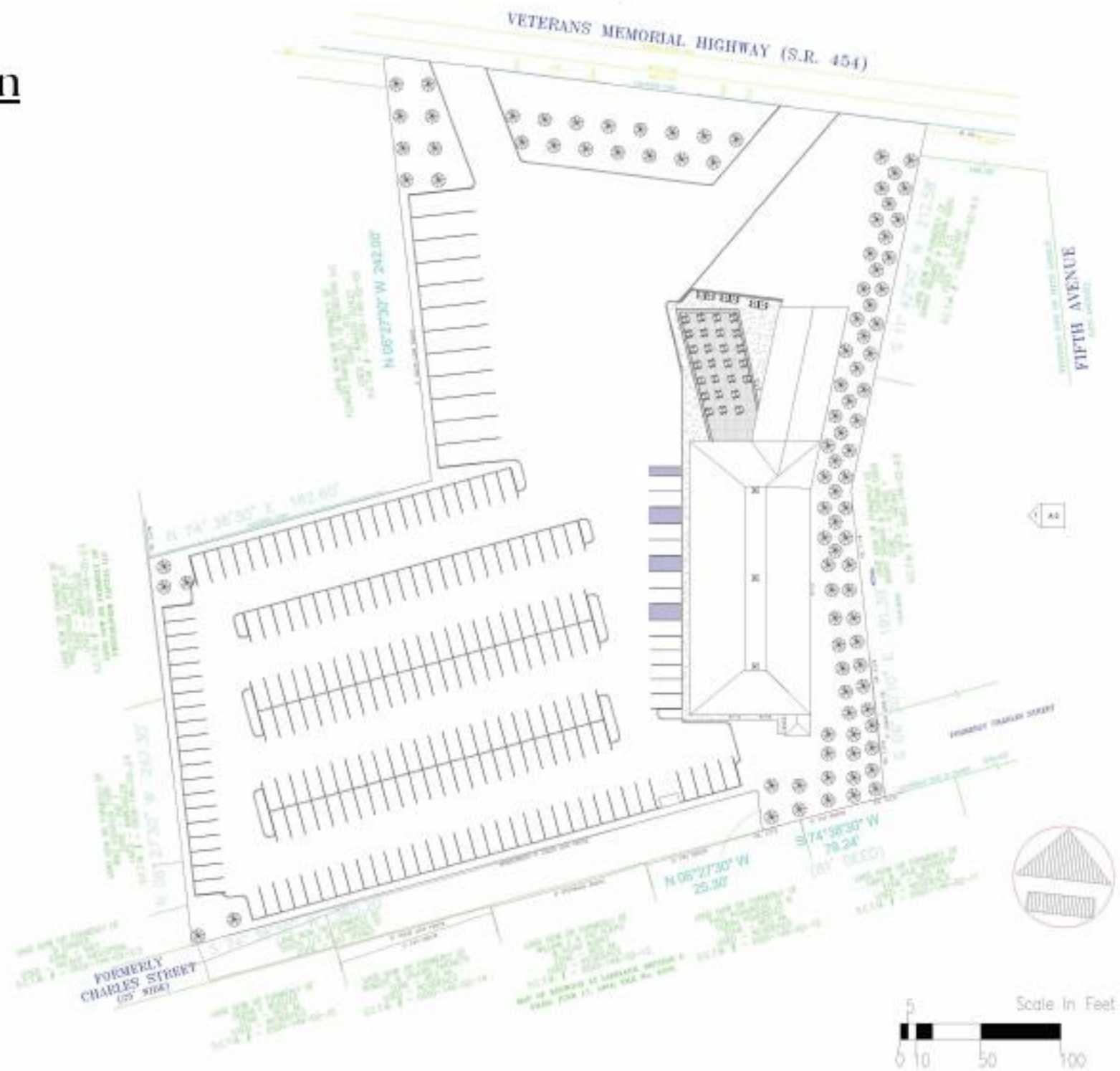
SOFTWARE USED

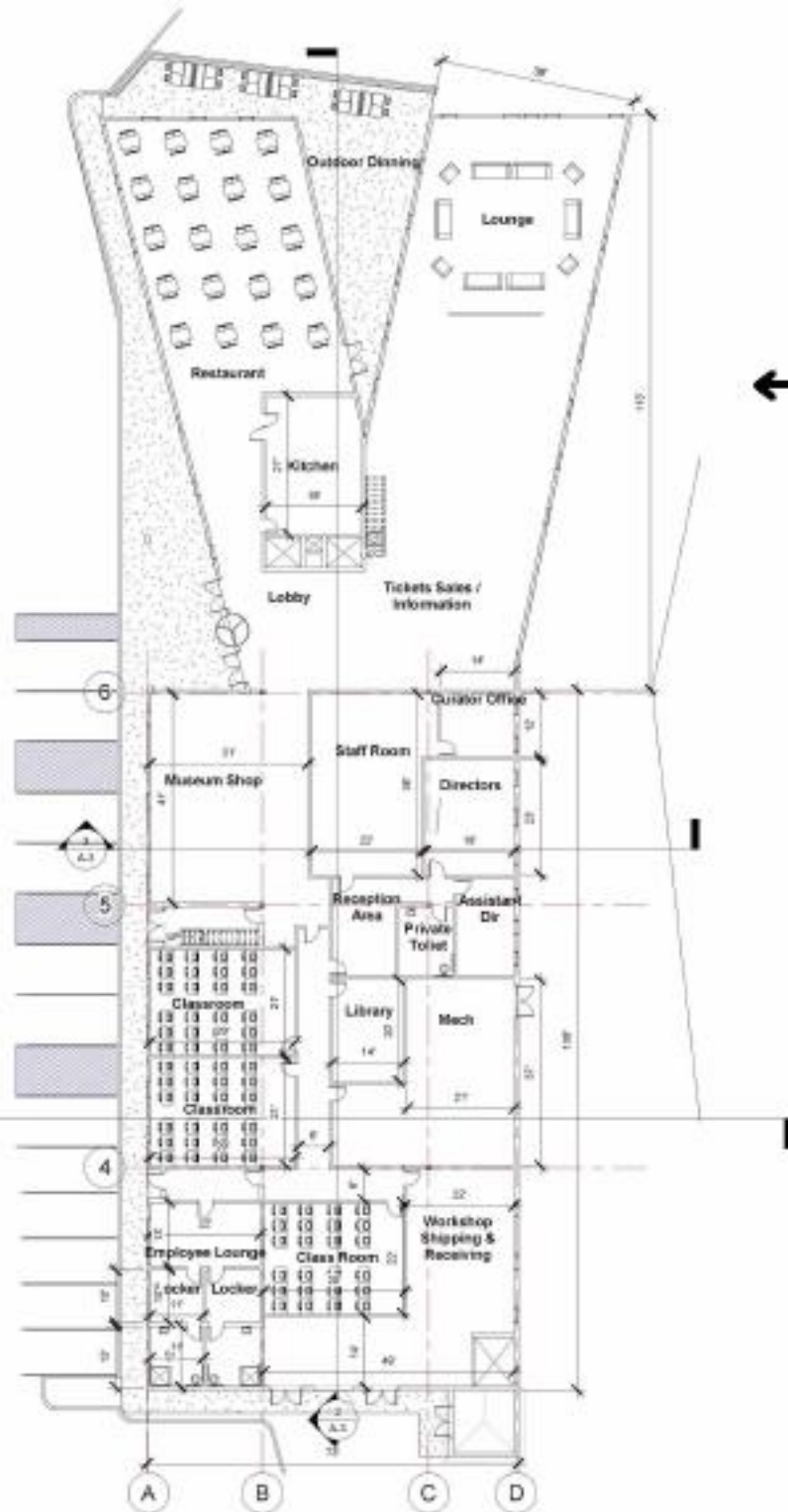
REVIT
AUTOCAD

FALL 2023

DESIGN 4
FSC

Site Plan

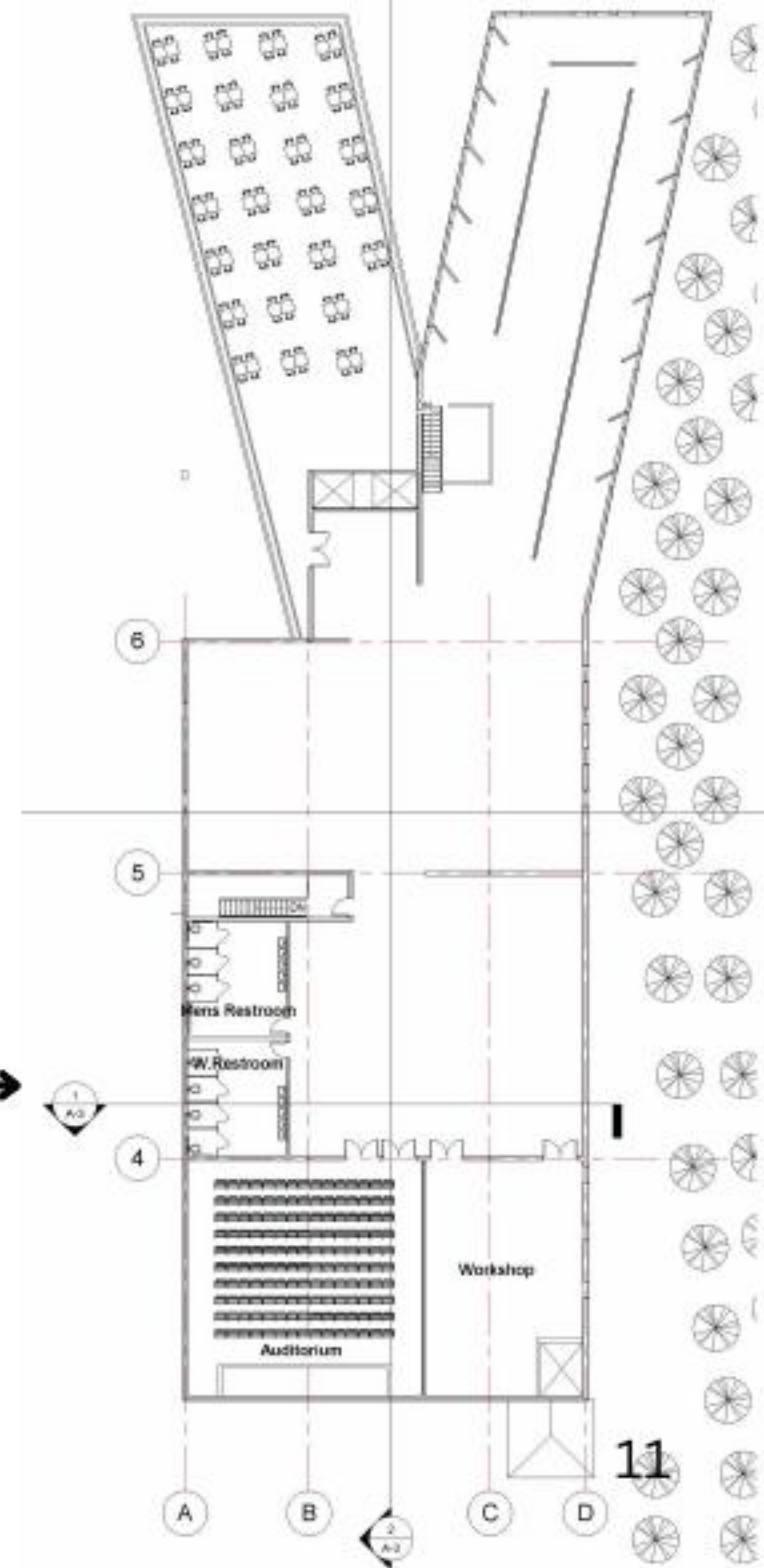




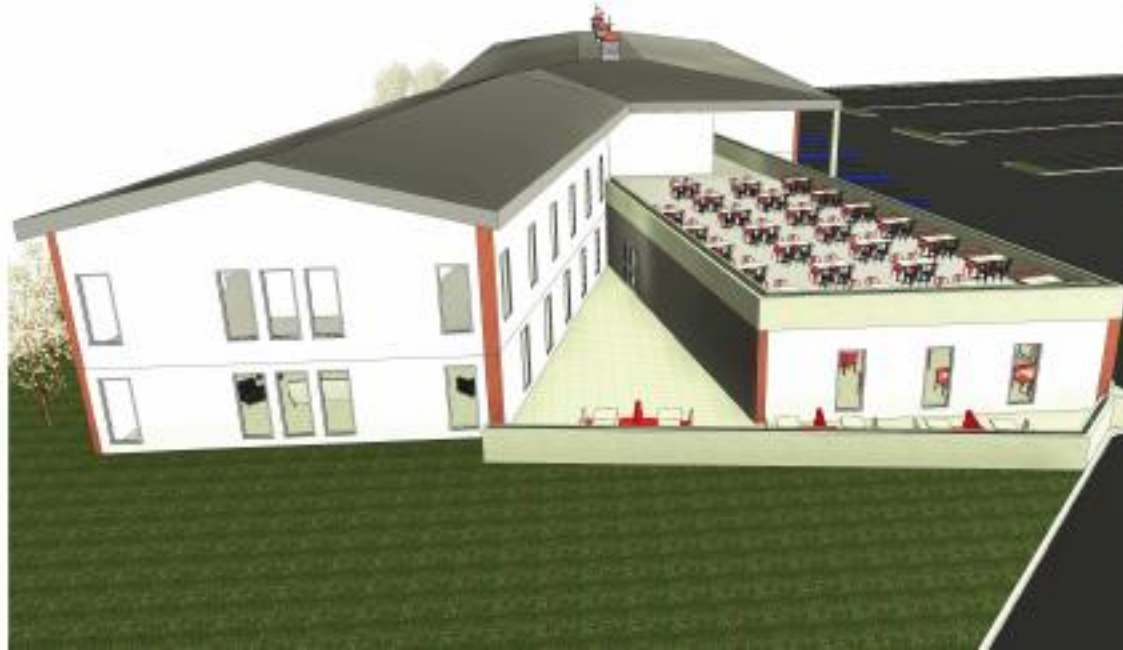
← First Floor

Floor Plans

Second Floor →



Renders





Mixed Use Apartment Complex

Retail & Residential

Spring 2023

DESIGN 3

FSC

This project was located in Central Islip, NY on Carleton Ave this was part of an incentive that the state was providing for a revitalization of the town. In which the owners of the lot wanted to construct a laundromat and were given the option to construct a mixed use building on top of their retail. We were tasked to take advantage of the incentive and propose an idea of how to push the incentive. This building uses a brick facade exterior and birch wood. The buildings are one whole but designed to resemble a city like community and create a visual as if it were three individual buildings.

SOFTWARE USED

REVIT
AUTOCAD

Site Plan



Unit Plans



These units were used to create a modular plan in the building in which no apartment would differ from another except for the count of how many bedrooms. Facilitating the construction of this project if it were to be built. The building has 16-18 apartments, 4000sqft of laundromat space, 3500sqft of retail space, 1000sqft of community space.

Retail Space



1st Floor



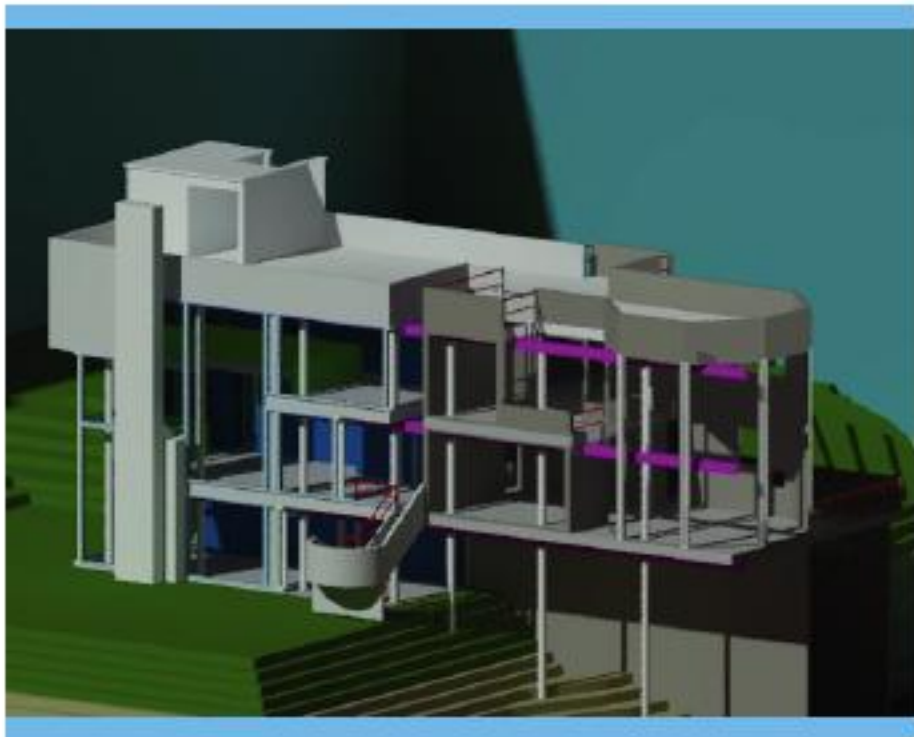
2nd Floor



Model of Site and Building

Mixed Use





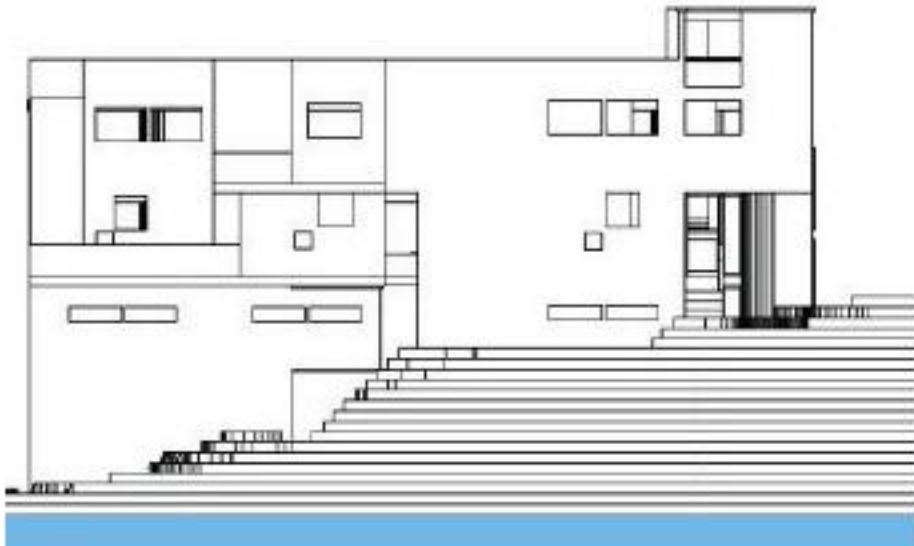
Contextual Fit

Objective:

The objective of this project was to design an extension to the Long Island Sound "Smith House" designed by Richard Meier in 1965. While designing we had to respect the structure and its surroundings. The design started by analyzing the various systems of the original structure and the different systems that the house contains, like its masses, and function.

Narrative:

Louis Zederbaum is a Billiard professional who just retired after 30 years of championships. He wants his main room to be a Billiard room, another room to receive his friends and relatives. But also an award room for his achievements. Hence bringing both his peace and billiards to the design at the commodity of his home.



SOFTWARE USED

AUTOCAD 3D

FALL 2022

DESIGN 2

FSC





Conceptual House

SOFTWARE USED

REVIT
AUTOCAD

In this project we were learning the basics of design in Revit and AutoCAD and getting familiar with the program.

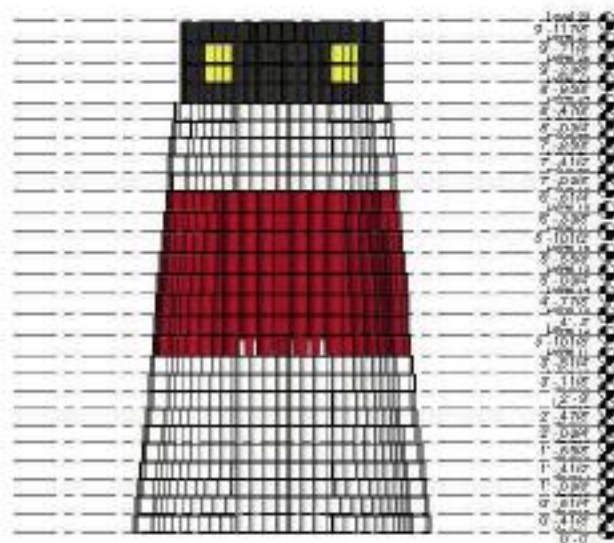
Spring 2022

DESIGN I
FSC

Floor Plan



Canstruction Schematic Plans



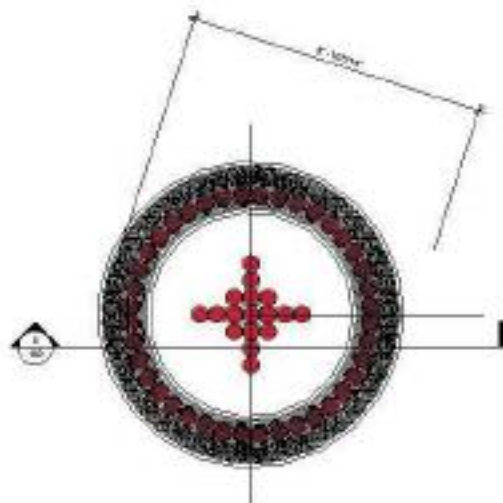
① Section 1
SP = 1'0"



② 3D View 2



③ 3D View 1





Framing.





