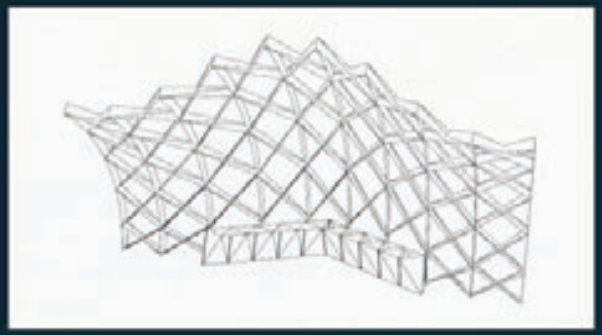
Ethan Ross

Architecture Portfolio

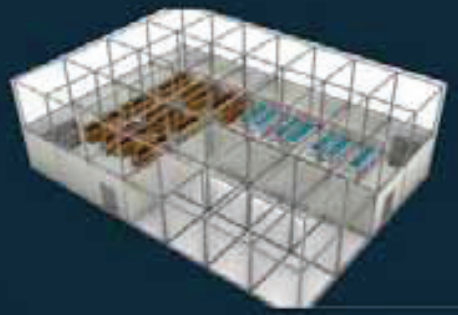
Project 1: Greene Acres Community Garden Pavilion
-Completed in August 2021

-A built class project designed as a seating area for activities within the Greene Acres Community Garden in Brooklyn, NY
-Designed as an in-class competition to pitch to the garden, our group's project was chosen to be built within the garden.
-Provides many different functions for the garden. It has built-in seating, planters, and netting to protect attendees from the mulberry tree above. Acts as a backdrop for garden events, including concerts and food drives



Project 2: Red Hook, Brooklyn Food City

-Studio projecct aimed at creating a food-growing hub for the city of Red Hook. The building acts as a learning and agricultural center for the community, where people can learn about the agricultural process and how to apply it to their own lives.
-Site contains modular greenhouses, with additional units able to be added to accomodate supply and demand, a supermarket, cooking and farming classrooms, offices, and community parks

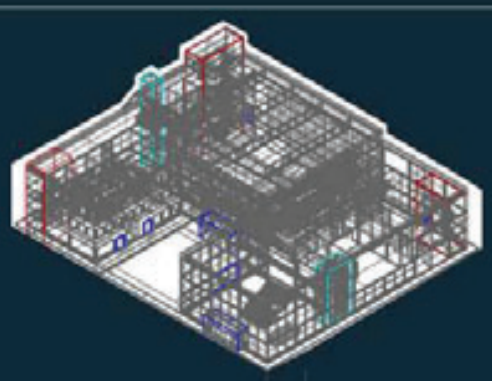


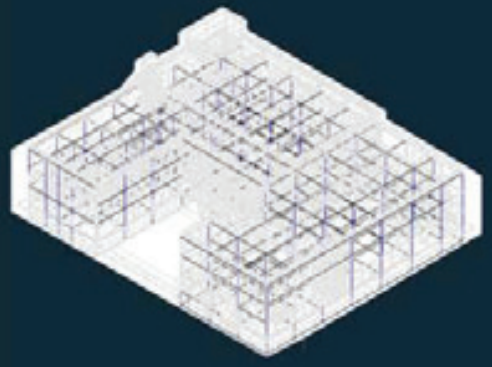
Project 3: Fordham University Music Wing

-As part of a freelance architecture project, I was tasked creating an initial floor plan of a potential renovation project at Fordham University.
-Tasked with documenting the existing structure through photography and taking measurements of all walls and partitions.
-Made revisions to the provided AutoCAD blueprints based on my site visit's findings.
-Drafted a preliminary floor plan for one of the existing classrooms, allocating spaces for private music rooms, offices, and a waiting area.

Project 4: Concert Hall

-Studio project tasked with making a concert hall, experimenting with program, structure, and utilities.
-Program is separated by a central courtyard, with public facilities on the north side and private facilities and offices on the south side.





Project 5: 3D-Printed Cathedral

-Studio project tasked with exploring new forms of technology associated with developing architecture.
-Goal was to look at historic forms while implementing new design practices.
-I felt that 3D printing would lend itself nicely in recreating or repairing damaged historic forms whose design practices have mostly been left out of current architecture, as a way to maintain their iconic architectural styles.

Project 6: Tensegrity Pavilion

-School project exploring tensegrity structural designs, creating structures that appear to defy gravity through tension-based connections between the physical elements.
-Exploration started from an ornamental scale, to furniture scale, and finally pavilion scale (simulations and renderings).