

Bohan Liu

Portfolio

Bohan Liu, AIA, LEED AP BD+C

Architect (Level II), CTA Architects, New York

Master of Science in Advanced Architectural Design / Columbia GSAPP

Bachelor of Architecture / Huazhong University of Sci&Tech

Resume

Work Experience

Email: bohanliu1992@gmail.com Telephone: (917) 940-3871

- Architect (Level 2) / CTA Architects P.C. (April 2018~Present)
 - * 3K Center Fit-out (PS 108R - 5077 Arthur Kill Rd, Staten Island, NY 10307)
Contribution: Design Lead, SD, DD, CD;
 - * 3K Center Fit-out (PS 439Q - 101-49 Woodhaven Blvd, Ozone Park, NY 11416)
Contribution: SD, DD, CD, Assisting NYC SCA CM for bidding, CA;
 - * RFP for PS 96Q New Addition
 - * PS 98M Capital Improvement Project/ CD.
- Junior Architectural Designer / WQB Architecture PLLC (July 2016~April 2018)
 - * 50 East 96th Street Penthouse Addition / SD, DD;
 - * 102 Madison Ave Storefront Renovation / SD, CA;
 - * RFP for Luoyang Subway Company HQ Office & Control Center

Professional Skills

- * Proficiency in miscellaneous drafting software (Vectorworks, Sketchup, V-Ray Rendering, Rhino, AutoCAD, Revit, Photoshop, Indesign, illustrator and etc.);
- * Proficiency in Building Codes & Zoning Regulations;
- * Programming, Building Layout, Elevations, Construction Details;
- * Structural design & coordination;
- * Building systems, MEP system coordination;
- * Cost estimates, Value Engineering;
- * Contractor coordination, respond RFIs, review submittals;
- * Construction observations.

Licenses & Certificates

Registered Architect (#042611) in New York State
LEED AP Building Design & Construction

Education

- Master of Science in Advanced Architectural Design (2015~2016)
Columbia University, New York
- Bachelor of Architecture (2010~2015)
Huazhong University of Science and Technology, China

Reference

William Q. Brothers III, AIA Telephone: (212) 995-5600
President, WQB Architecture PLLC

Projects

(Professional Works)

3K Center Fit-out (PS 439Q) / all phases
New 11-Classroom 3K Center (In Session September 2019)
Complete Renovation of an existing 35,465 square foot Commercial Building

3K Center Fit-out (PS 108R) / SD, DD, CA
New 13-Classroom 3K Center (on hold due to unforeseeable structural deficiencies)
Complete Conversion of an existing single story 13,223 square foot Industrial Building into a two-story 26,446 square foot 3K Center

102 Madison Ave Storefront Renovation / SD, CA
Storefront & Office Entrance Renovation Design and Construction

(China) Luoyang Subway Company HQ Office & Control Center Design / SD
RFP for State Corporate Subway HUB & Control Center

(Academy Study)

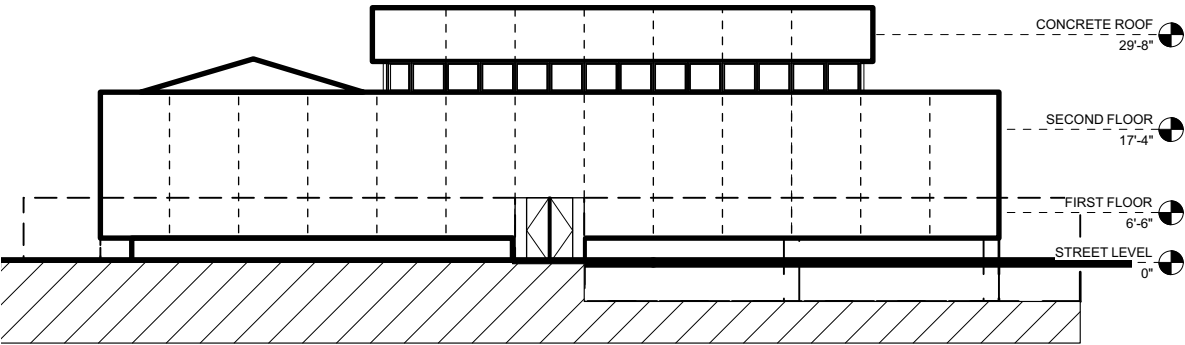
Openness vs. Closeness
Adaptive Renovation of Soon-to-be Former US Embassy in London

Installation Experiment: Ripple
Installation with Playfulness and Interaction

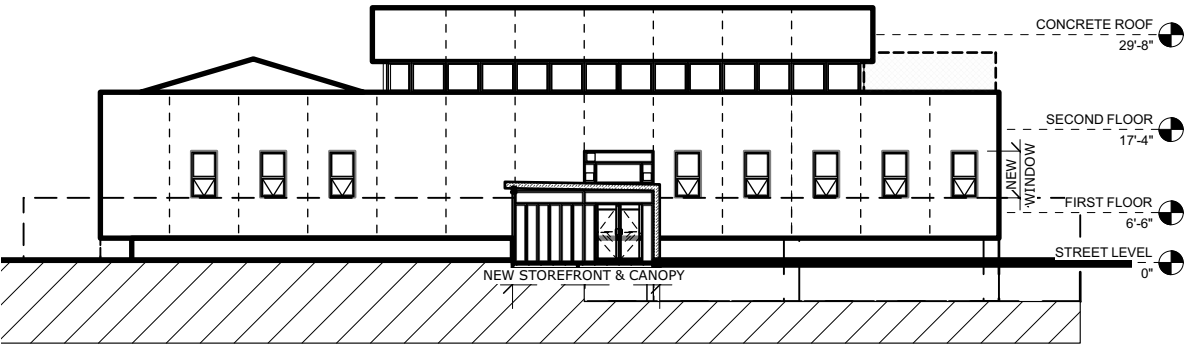
(Professional Work - CTA Architects P.C.)

3K Center Fit-out (PS 439Q)

New 11 Classroom 3K Center
Status: In Session September 2019
Scope: Full Renovation of Two-Story Existing Building.
Location: 101-49 Woodhaven Blvd, Ozone Park, NY 11416
Size: 35,465 square feet



PREVIOUS WOODHAVEN BLVD (WEST) ELEVATION
Scale 1:400



PROPOSED WOODHAVEN BLVD (WEST) ELEVATION
Scale 1:400

Massive, monolithic, low-key entrance and 'blocky' appearance are what is defined as "brutalism". Our Mission is Retrofit the existing 1970s two-story building into New 3K Center as part of NYC's "Pre-K for ALL" Movement. To differentiate the New Look from the existing Brutalism Look, make the building more appealing and meet the school's requirement for natural light are the driving force for our design.



PREVIOUS WOODHAVEN BLVD (WEST) FACADE



NEW CANOPY AT WOODHAVEN BLVD (WEST) FACADE



PREVIOUS FIRST FLOOR (NO WINDOW, FULLY ENCLOSED BY PRECAST PANEL)



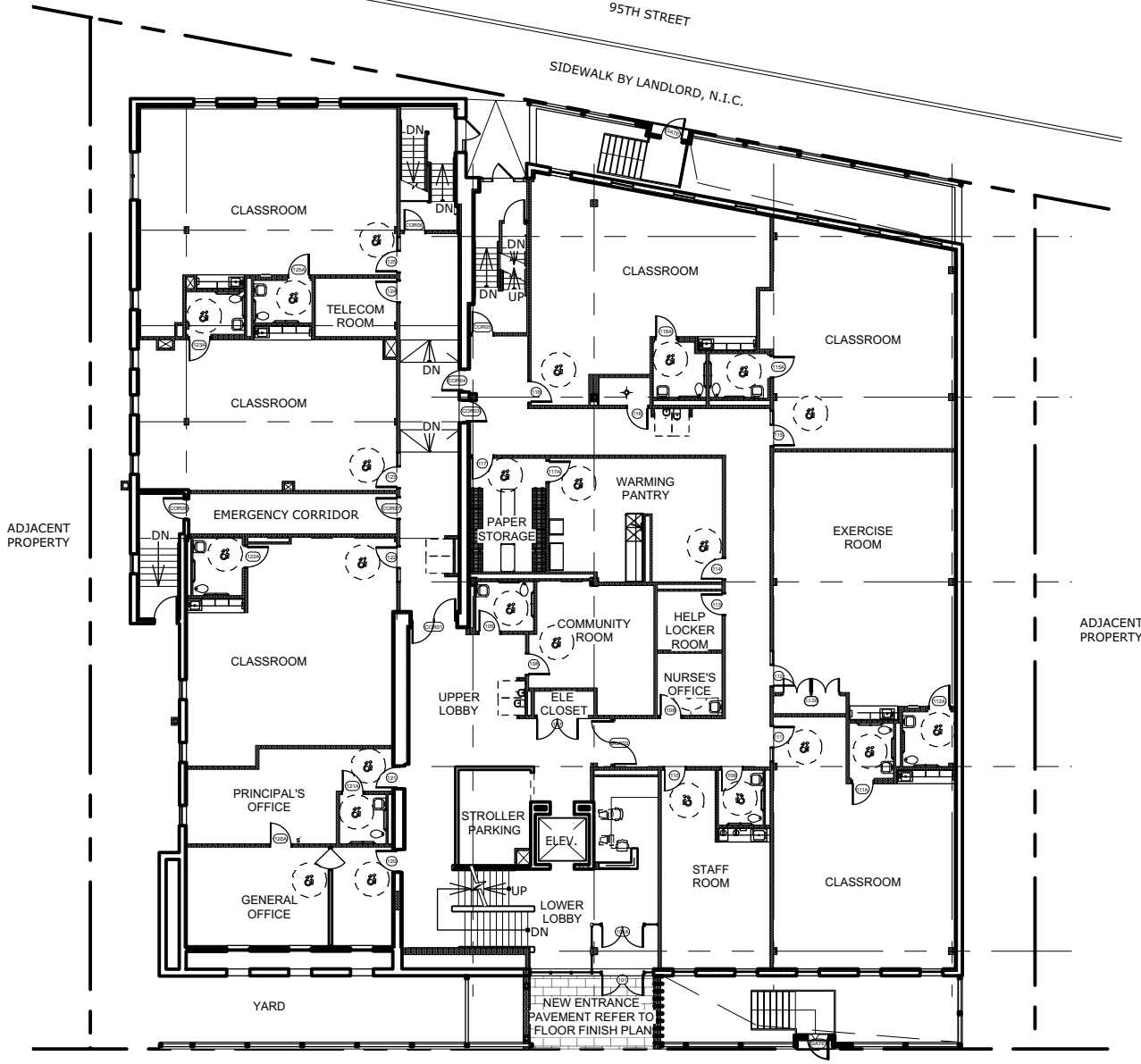
PREVIOUS SECOND FLOOR



FIRST FLOOR CLASSROOM WITH NEW PUNCH-OUT WINDOW THRU PRECAST CONCRETE PANEL

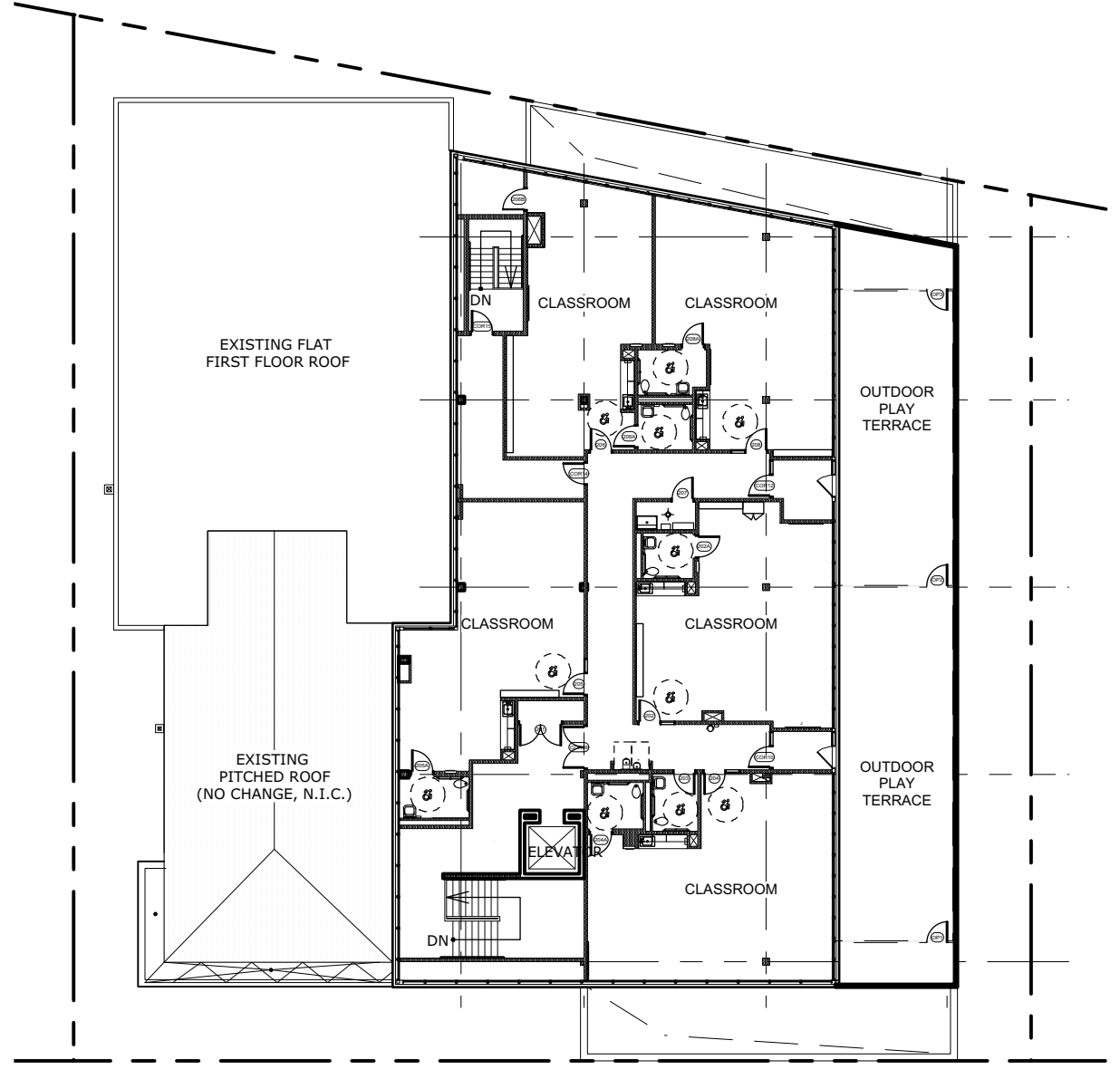


NEW SECOND FLOOR CLASSROOM FACING OUTDOOR PLAYYARD



PROPOSED FIRST FLOOR PLAN
Scale: 1:400

WOODHAVEN BLVD



PROPOSED SECOND FLOOR PLAN
Scale: 1:400

(Professional Work - CTA Architects P.C.)

3K Center Fit-out (PS 108R)

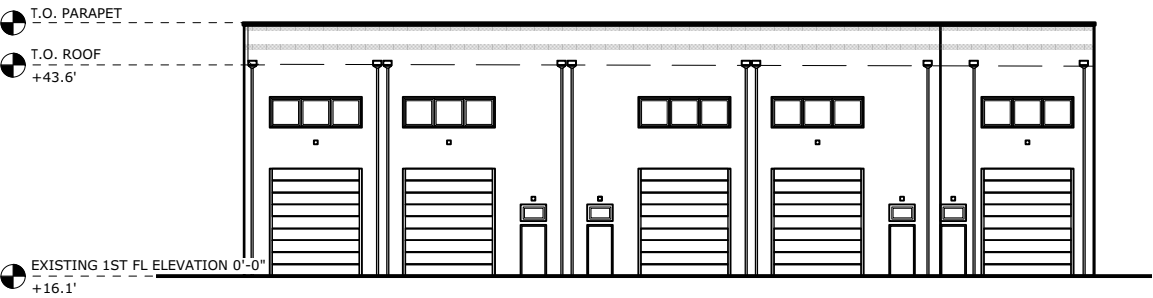
New 13 Classroom 3K Center

Status: On Hold due to unforeseeable Structural Deficiencies

Scope: Convert Existing One-Story Warehouse Building to New Two-Story 3K Center

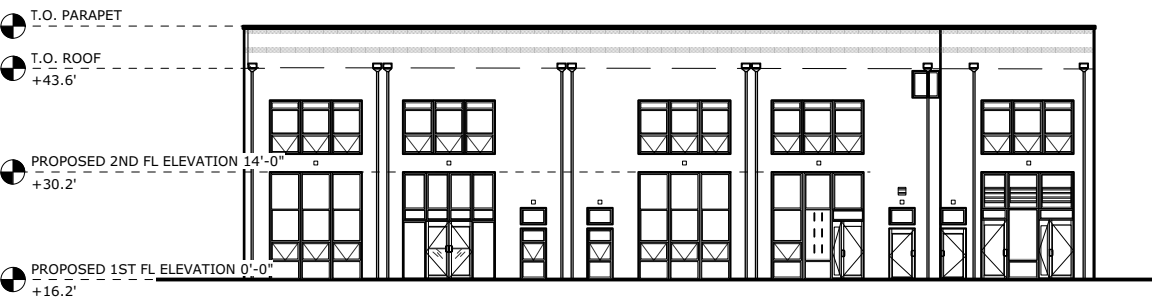
Location: 5077 Arthur Kill Rd, Staten Island, NY 10307

Size: 26,446 square feet



EXISTING WAREHOUSE WEST ELEVATION

Scale 1:500



PROPOSED SCHOOL WEST ELEVATION

Scale 1:500

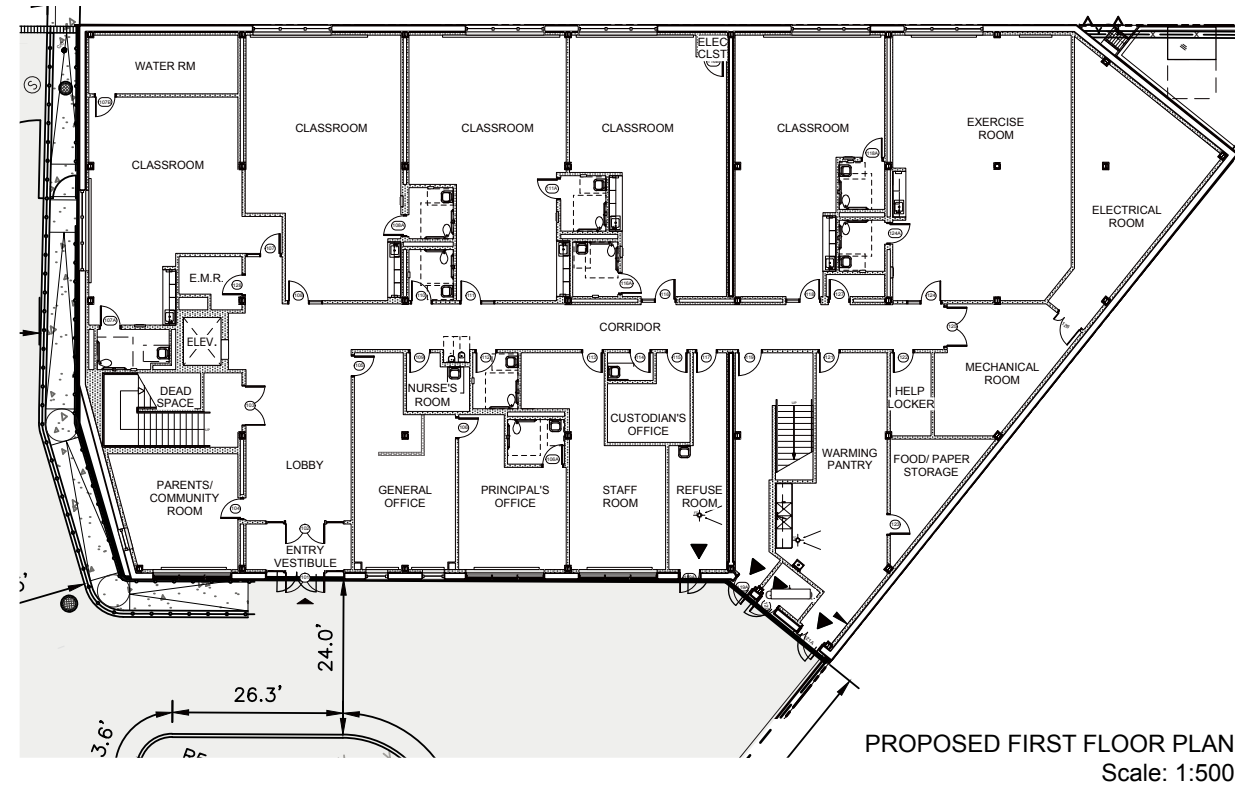
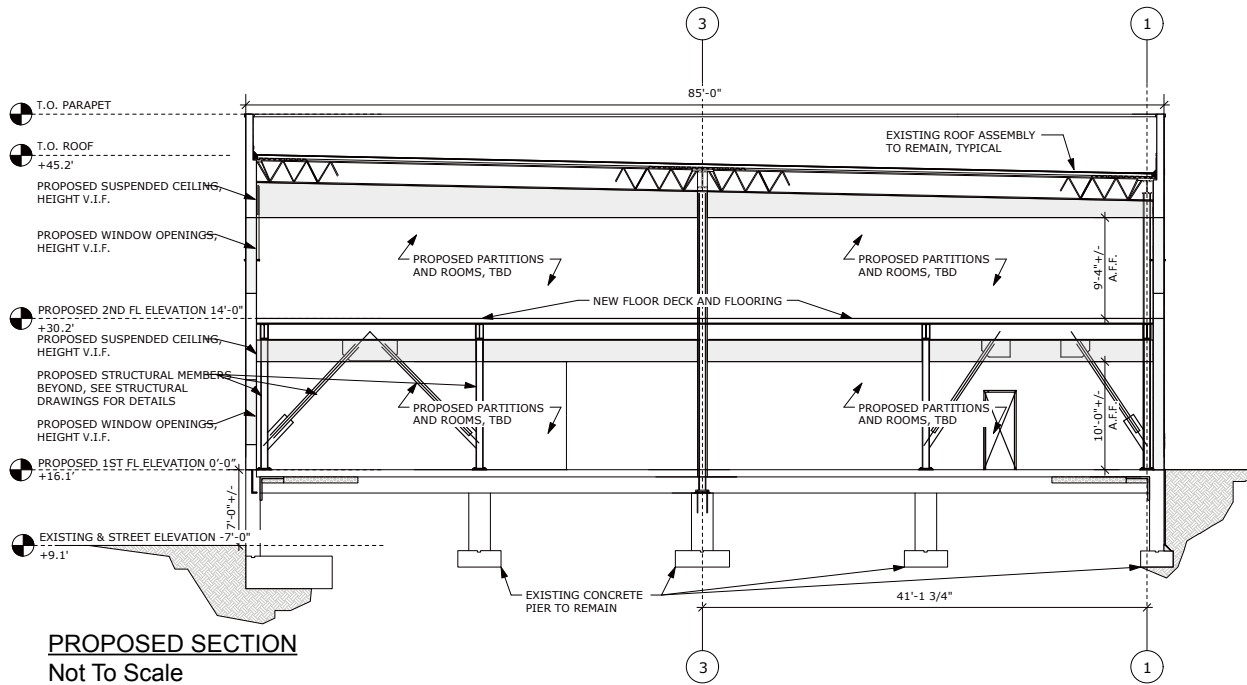
Located in a neighborhood which quickly transforming from industry zone to residential use, a newly-built single story with 26 feet Ceiling Height allows us to expand the existing building into a two-story 3K Center within the existing envelope to accommodate the rising need for early education in the neighborhood. Originally purposed for loading vehicles, the large open bays would be transformed into the storefront system for Entrance and Classrooms, and high windows would be expanded for Classrooms on the proposed 2nd floor.



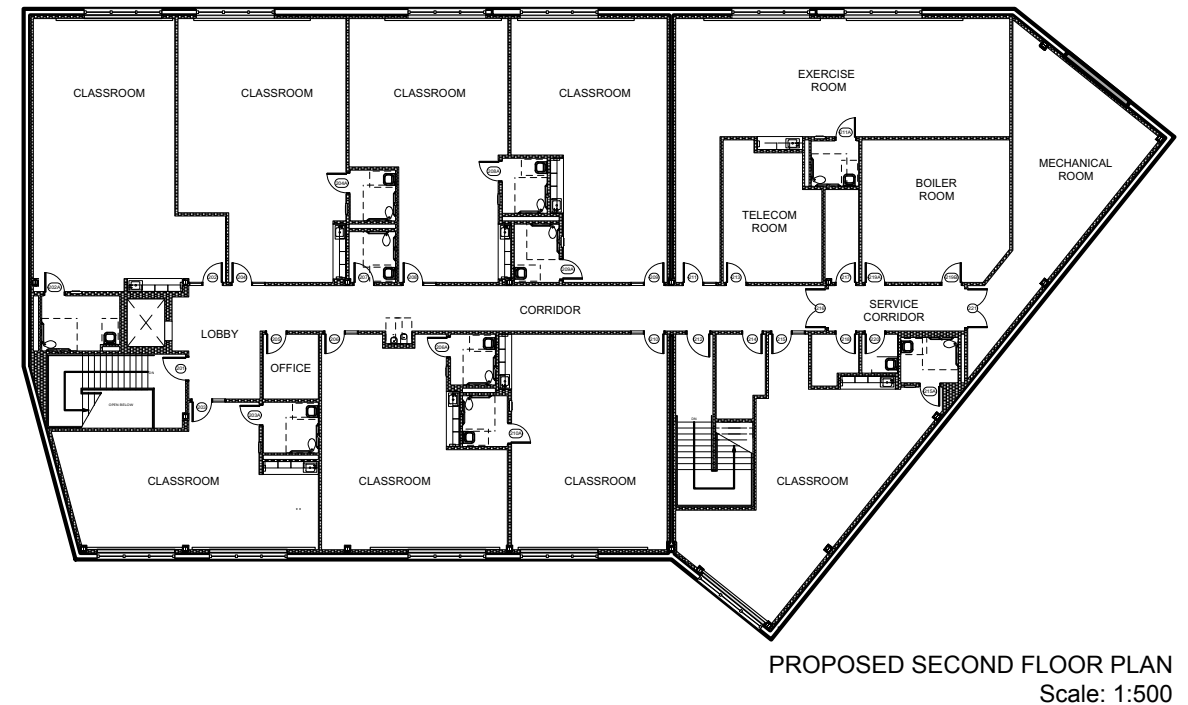
EXISTING WAREHOUSE YARD FACADE



PROPOSED SCHOOL YARD FACADE

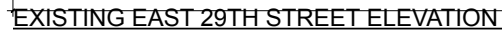


BUILDING INTERIOR



102 Madison Ave Storefront Renovation / SD, CA

Status: Completed

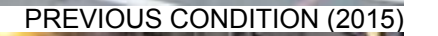


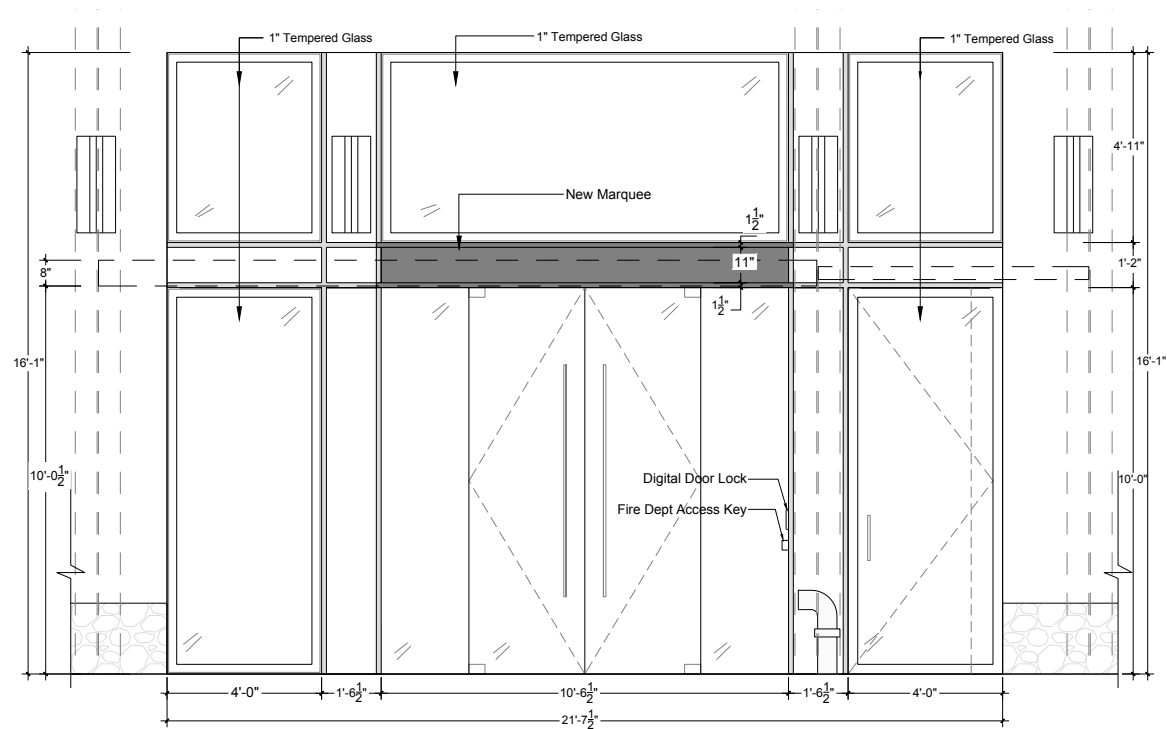
Scale 1:200



Scale 1:200

developed an enlarged office entrance with a new canopy.





PROPOSED ELEVATION AT ENLARGED OFFICE ENTRANCE
Not To Scale



PREVIOUS CONDITION (2015)



ENLARGED OFFICE ENTRANCE WITH NEW CANOPY



NEW STOREFRONT MADISON AVE VIEW (2019)

(Professional Work - WQB Architecture PLLC)

**(China) RFP for Luoyang Subway Company
HQ Office & Control Center Design / SD**

Result: 3rd Prize

Location: Luoyang, Henan Province, China

Size: 46250 m² Corporate Use
58330 m² Commercial and Hospitality Use

Luoyang City in China is expanding her ambitious plan for the next 5 years, planning to build 4 subway lines. The city government wants to build its Mixed-Use Subway Corporate HQ and Control Center with Commercial use. For these large scale two-block development, we propose a group of glass towers representing modernism and development. On one block exclusively for corporate use with big podiums for special uses such as equipment, the other block would be exclusively for retail and hospitality practices.



Subway Corporate HQ and Control Center with Retailing Base



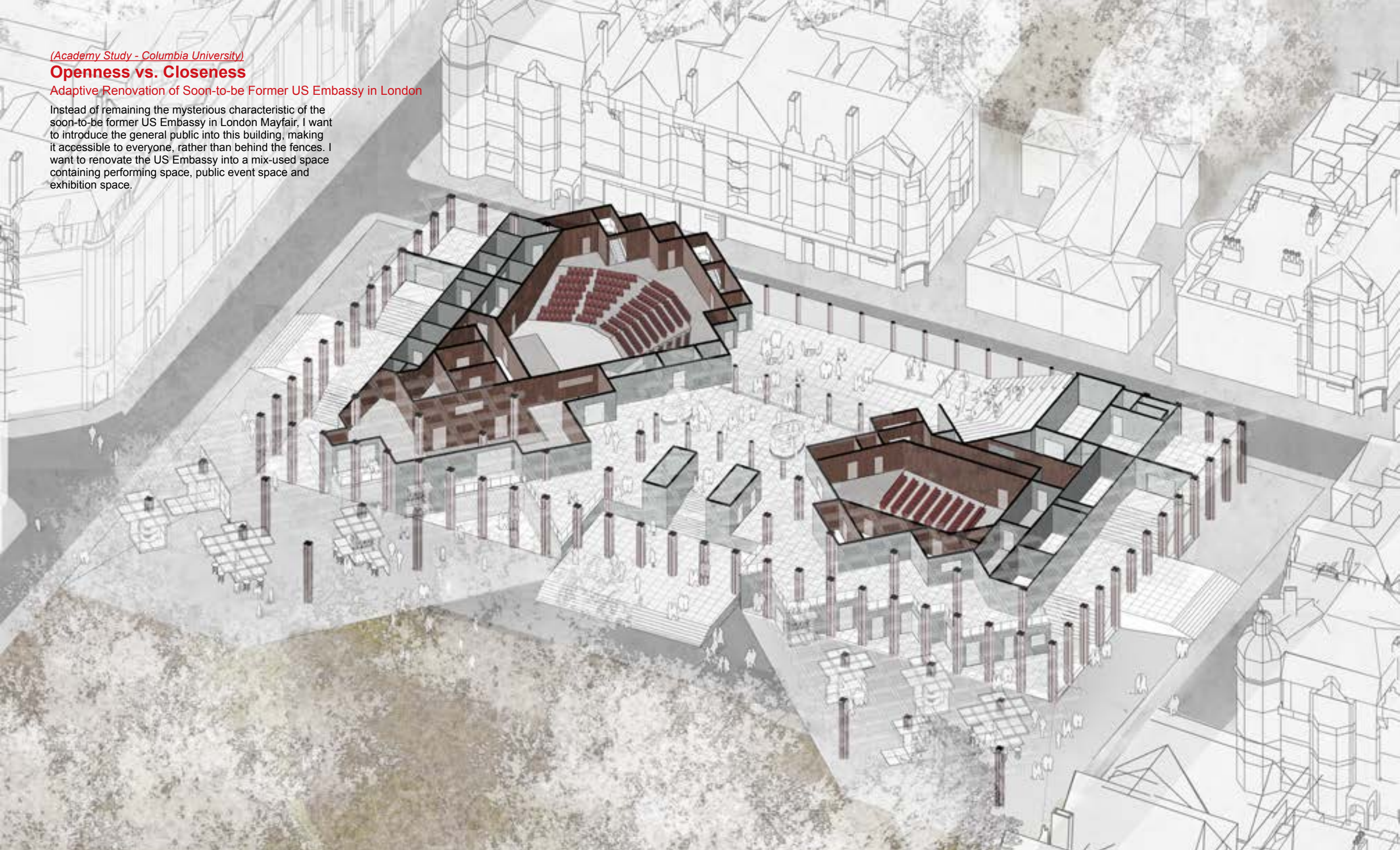
Commercial and Hospitality Uses

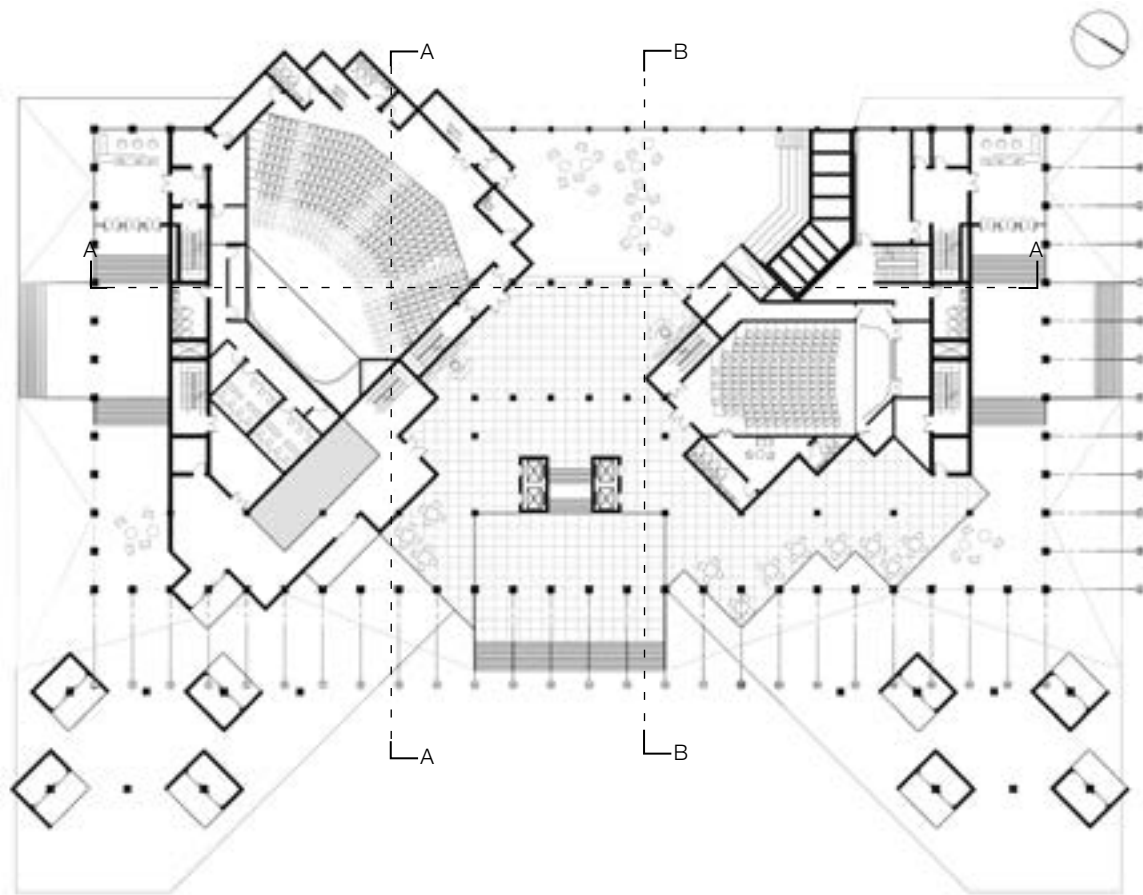
(Academy Study - Columbia University)

Openness vs. Closeness

Adaptive Renovation of Soon-to-be Former US Embassy in London

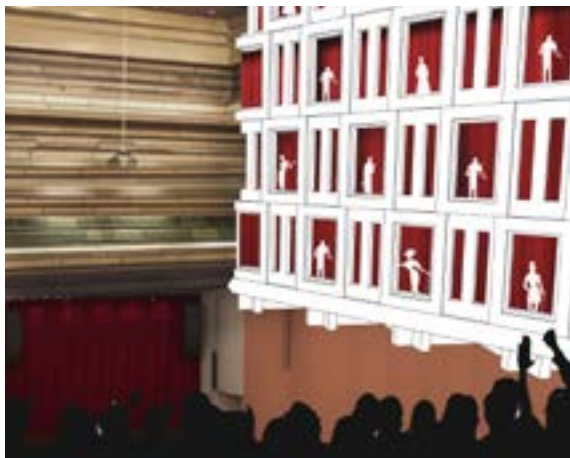
Instead of remaining the mysterious characteristic of the soon-to-be former US Embassy in London Mayfair, I want to introduce the general public into this building, making it accessible to everyone, rather than behind the fences. I want to renovate the US Embassy into a mix-used space containing performing space, public event space and exhibition space.





Diagonal grids are the iconic language of this building identifying the connection between ground level and upper levels. Based on that, my design strategy is to extend diagonal grids as architectural language and define new volumes based on this system, creating continuity and inviting general public into this building.

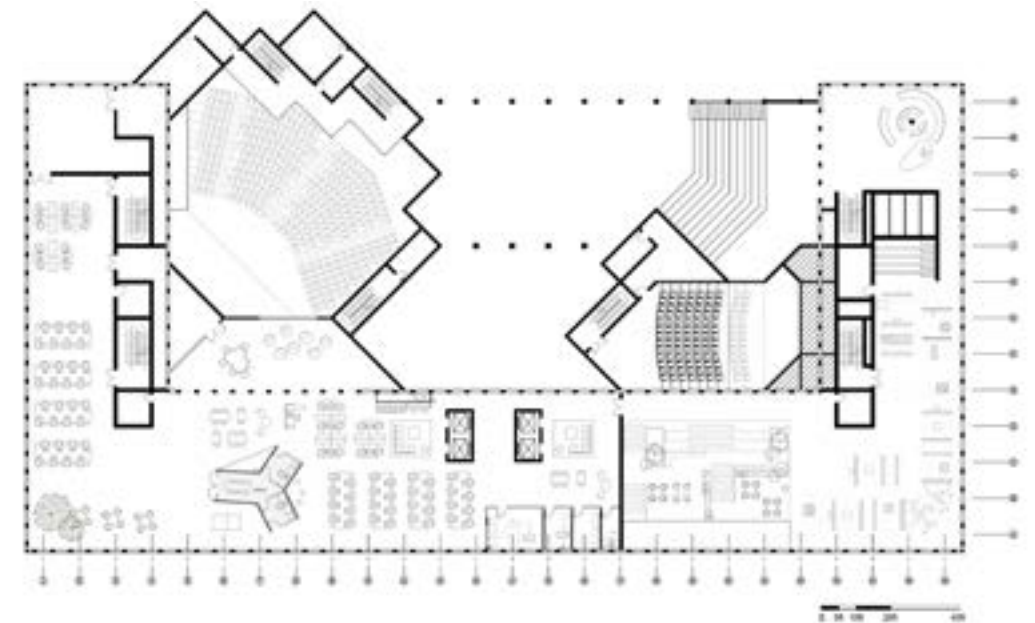
Ground Floor Plan
(Not To Scale)



Window frames of original facade could be transformed into the backdrop of new theater stage.



Connection between new and old through original facade



Second Floor Plan
(Not To Scale)



Section A-A



Section B-B

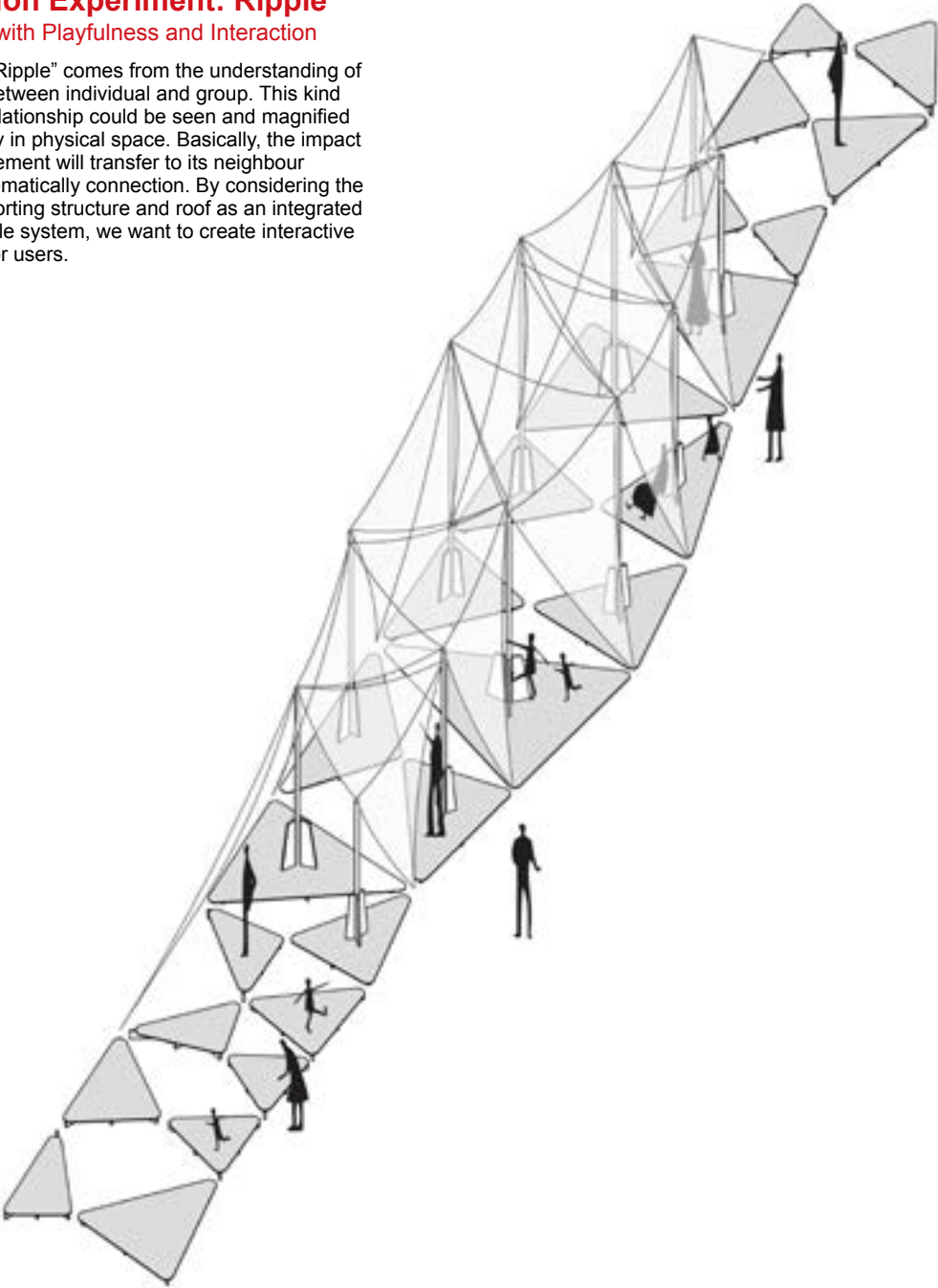
Both making set-backs on the ground level to attract general public into this building and extending the large volume of this U-Shape building, could create a continuous system fitting for different architectural programs and space.

(Academy Study - Columbia University)

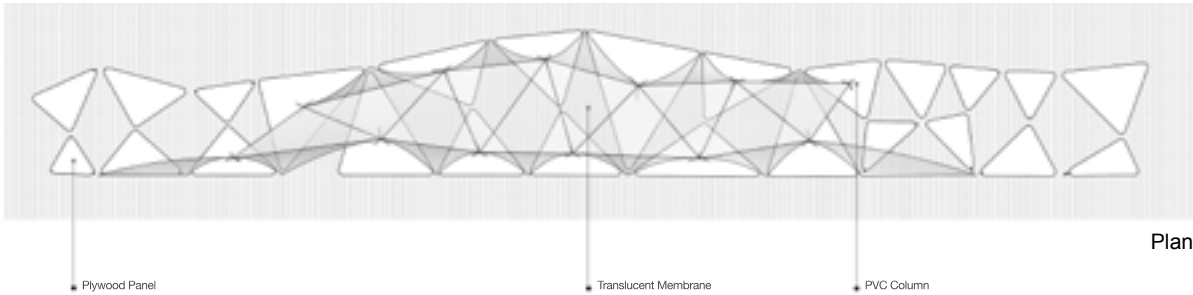
Installation Experiment: Ripple

Installation with Playfulness and Interaction

The idea of “Ripple” comes from the understanding of connection between individual and group. This kind of invisible relationship could be seen and magnified architecturally in physical space. Basically, the impact of one’s movement will transfer to its neighbour through systematically connection. By considering the panels, supporting structure and roof as an integrated and repeatable system, we want to create interactive experience for users.



Ripple @Govenor's Island



Plan



Elevation

