



ALBERTO
ARUZ
ARCHITECTURE
PORTFOLIO

SELECTED WORKS

TABLE OF

CONTENTS

ACADEMIC WORKS

01

ADAPTIVE REUSE: ART GALLERY
04 - 09

02

GOWANUS HOSTEL
10 - 15

03

SERENE COMMUNITY
16 - 24

04

RISING TERMINAL
25 - 29

PROFESSIONAL WORKS

05

CITY TECH FOUNDATION
2019 PAVILION
30 - 33

06

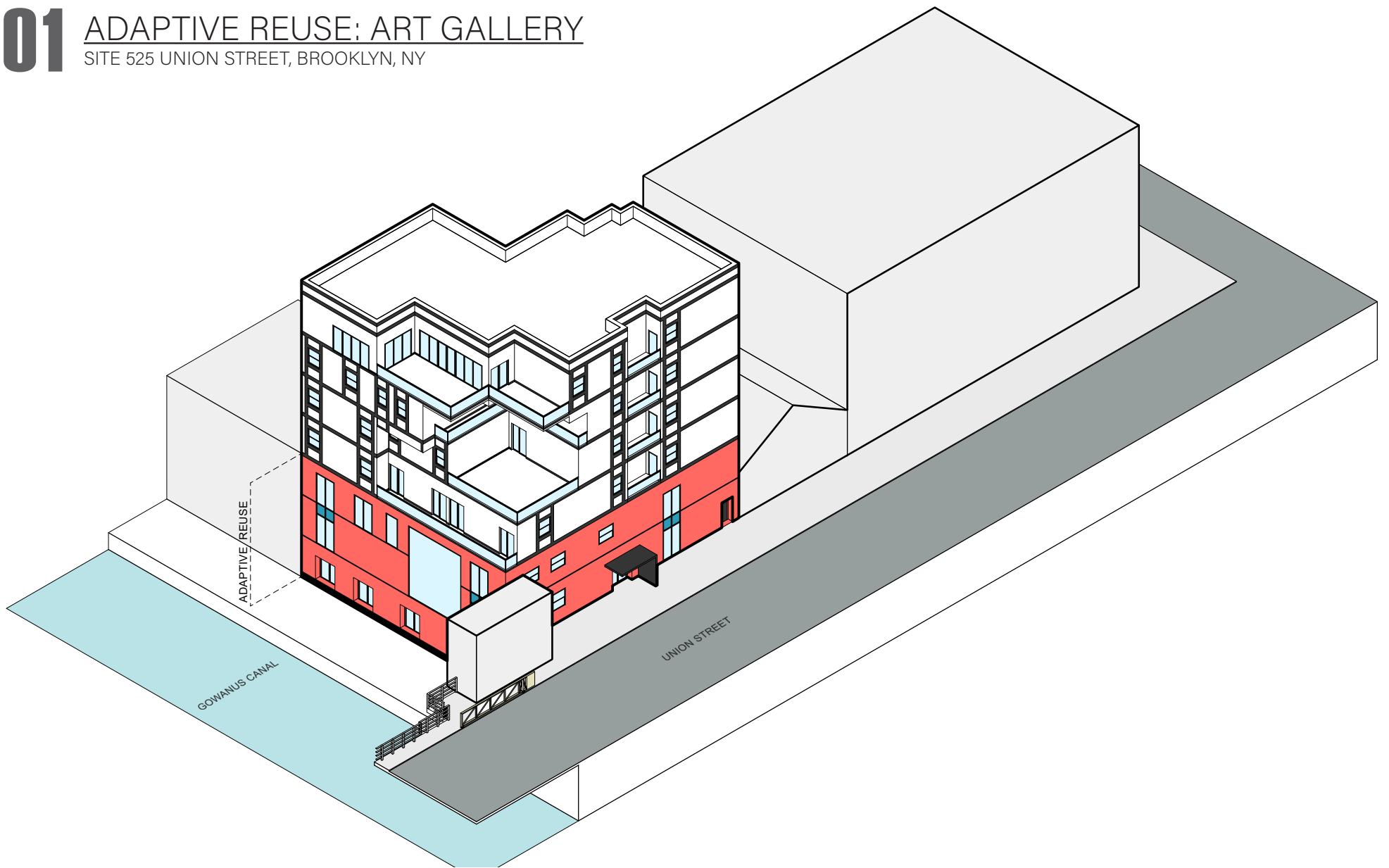
GOWANUS HOSTEL CONSTRUCTION
DETAILS
34 - 37

01



01 ADAPTIVE REUSE: ART GALLERY

SITE 525 UNION STREET, BROOKLYN, NY



HOW DO WE RESHAPE THE URBAN LANDSCAPE OF WHAT WAS WHILE RETAINING IT'S IDENTITY? DISTINGUISHING THE OLD FROM THE NEW; CREATING A HOMOGENOUS, BUT NEW IDENTITY. DISTINCTIVE OF ITS SURROUNDINGS.

THE GOWANUS ART GALLERY IS AN ADAPTIVE REUSE PROJECT LOCATED IN THE GOWANUS NEIGHBORHOOD IN BROOKLYN, NEW YORK. THE PROJECT WAS SEPARATED INTO TWO PHASES. PHASE ONE PUT AN EMPHASIS ON THE EXISTING MASONRY STRUCTURE; CONVERTING THE SPACE TO FILL A NEW PURPOSE.



THEME COLLAGE

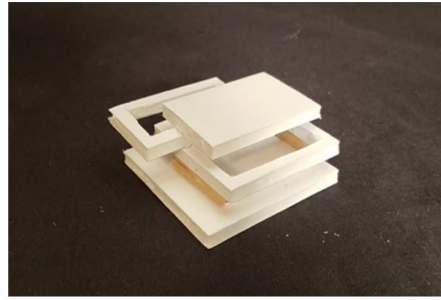
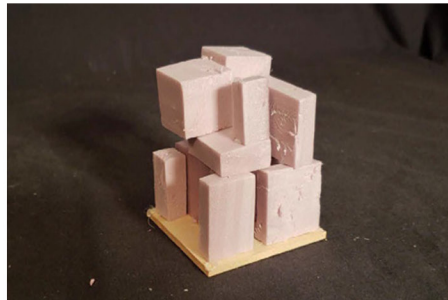
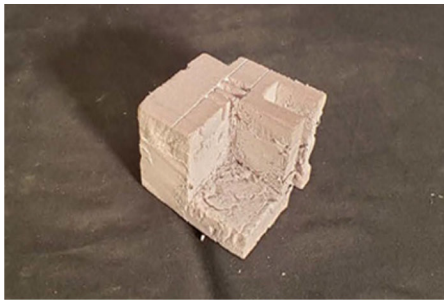
DESIGN LANGUAGE

BY INTEGRATING THE THEME ONTO THE BUILDING FOOTPRINT, LAYERS WERE DIVIDED INTO DIFFERENT LEVELS OF VISIBILITY. THE LAYERS OF VISIBILITY ARE REPRESENTED BY THE DIAGRAMS ARE, OPAQUE, TRANSPARENT, AND TRANSLUCENT. EACH LAYER WAS ASSIGNED A DIFFERNT CLASS OF VISIBILITY BASED ON HOW PEOPLE SHOULD INTERACT WITH THE SPACE.

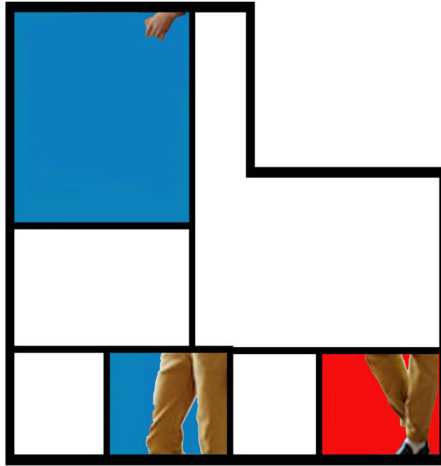
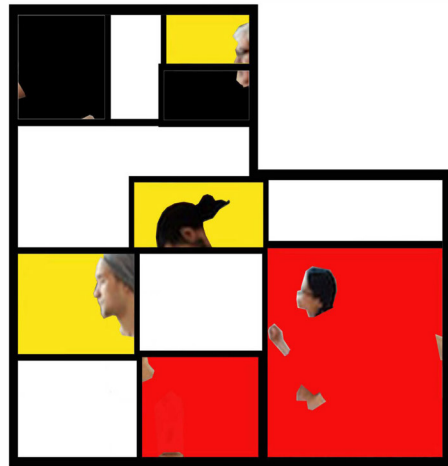
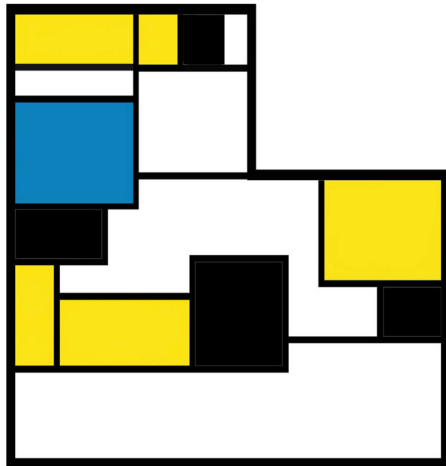
OPAQUE BEING A SPACE THAT DOES NOT CONTAIN A VISIBILITY -- BLOCKING OUTSIDE LIGHT SOURCES FROM INFLUECENCING THE SPACE.

TRANSPARENT BEING A SPACE THAT IS DICTATED BY FOREIGN LIGHT. ALLOWING IT TO BE DICTATED BY THE SURROUNDING.

TRANSLUCENT BEING A SPACE THAT IS INFLUENCED BY THE LIGHT, BUT NOT DIRECTLY ALLOWING IT TO TAKE CONTROL.



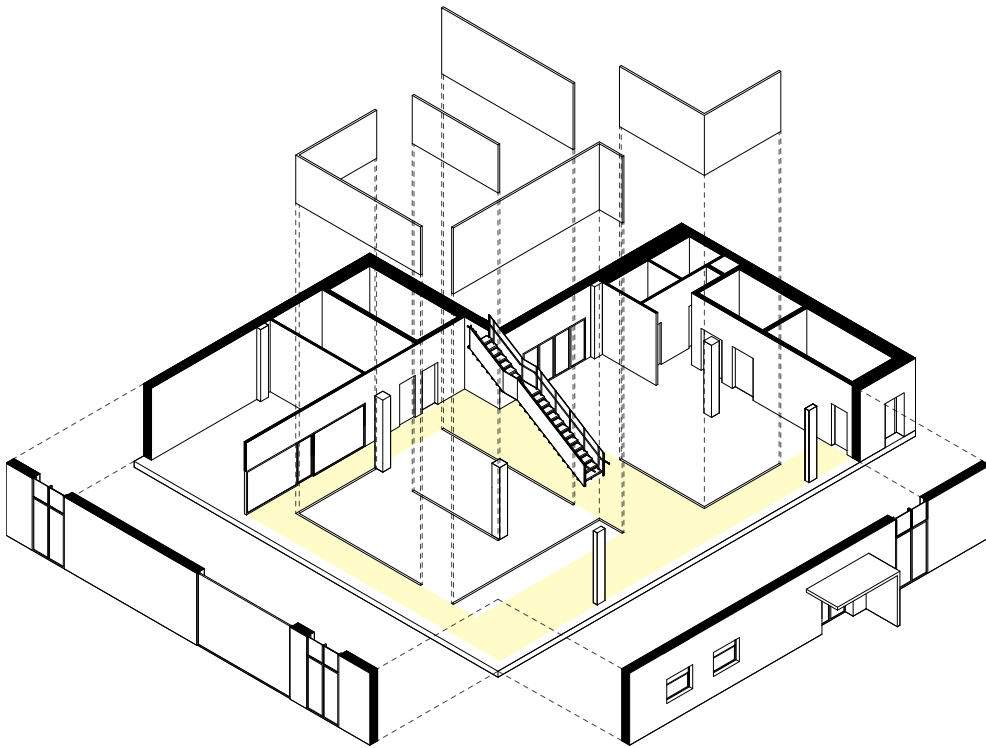
CONCEPT MODELS



OPAQUE

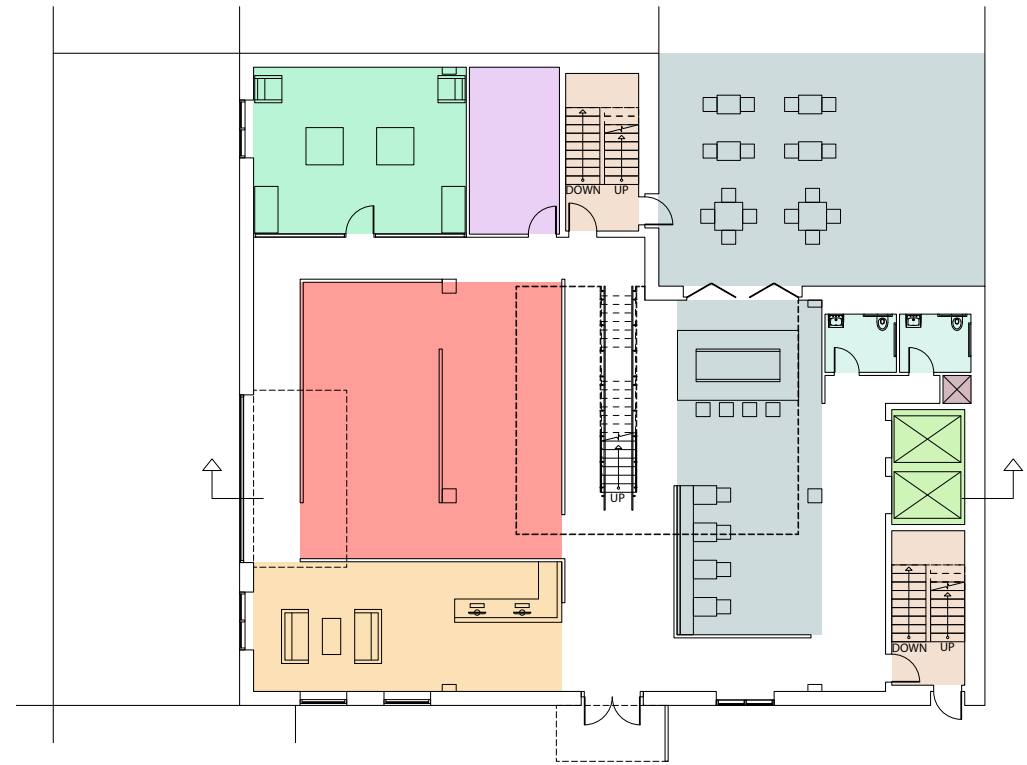
TRANSPARENT

TRANSLUCENT



FIRST FLOOR AXONOMETRIC

THROUGH THE USE OF PARTIONS, SHARP CORNERS, AND AN OPENING INTO THE SECOND FLOOR, THE ENTRY CORRIDOR BECOMES A TRANSIENT SPACE -- FORCING THE USERS PERSPECTIVE TO TAKE BRIEF NOTICE OF THE OTHER FUNCTIONS OF THE SPACE.



FIRST FLOOR PLAN



LOBBY/RECEPTION



GALLERY



CAFE/SEATING



SHARED STUDIO



RESTROOMS



EGRESS STAIRS



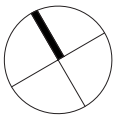
PASSENGER ELEVATORS



WASTE DISPOSAL CHUTE

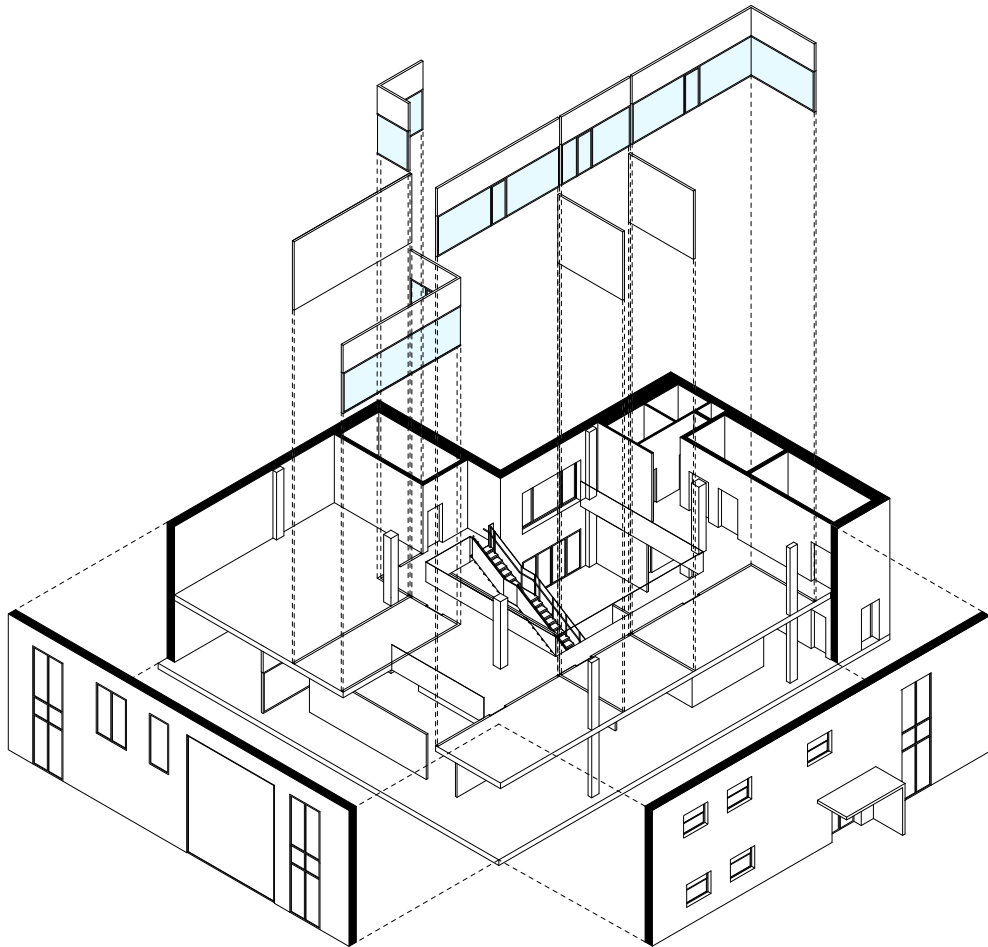


MECHCANICAL ROOM



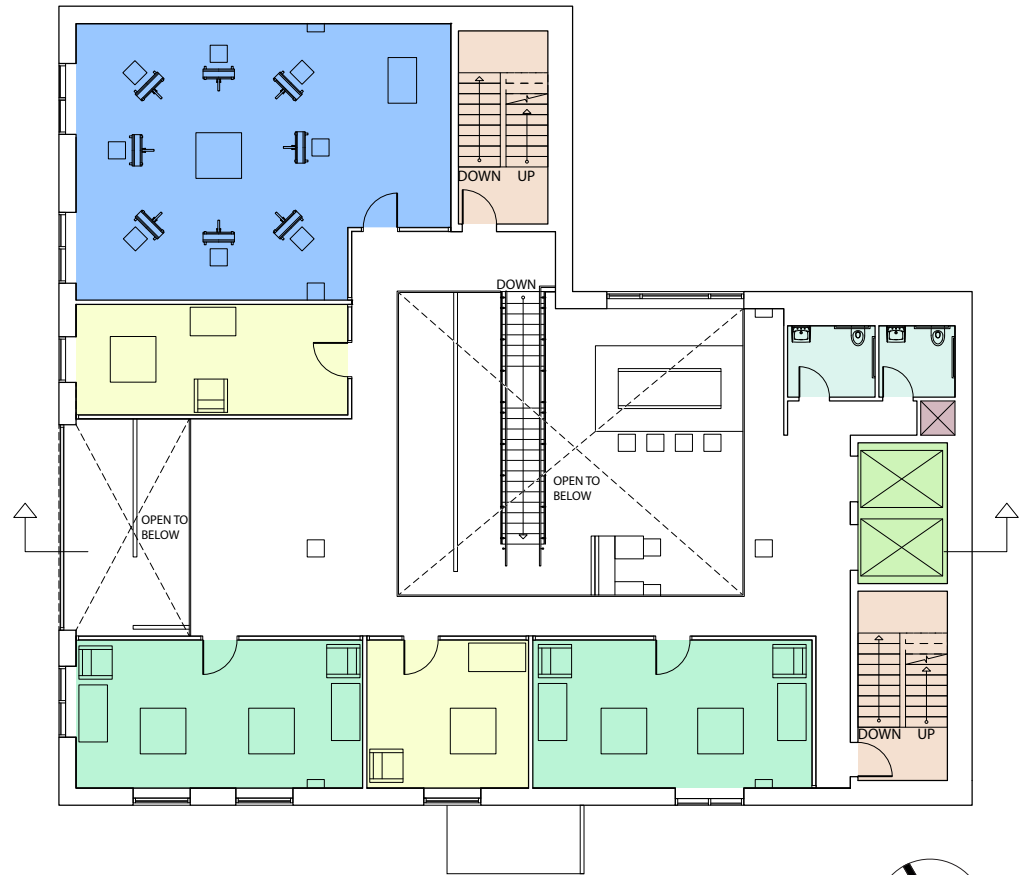


FIRST FLOOR ART GALLERY









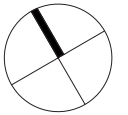
SECOND FLOOR AXONOMETRIC

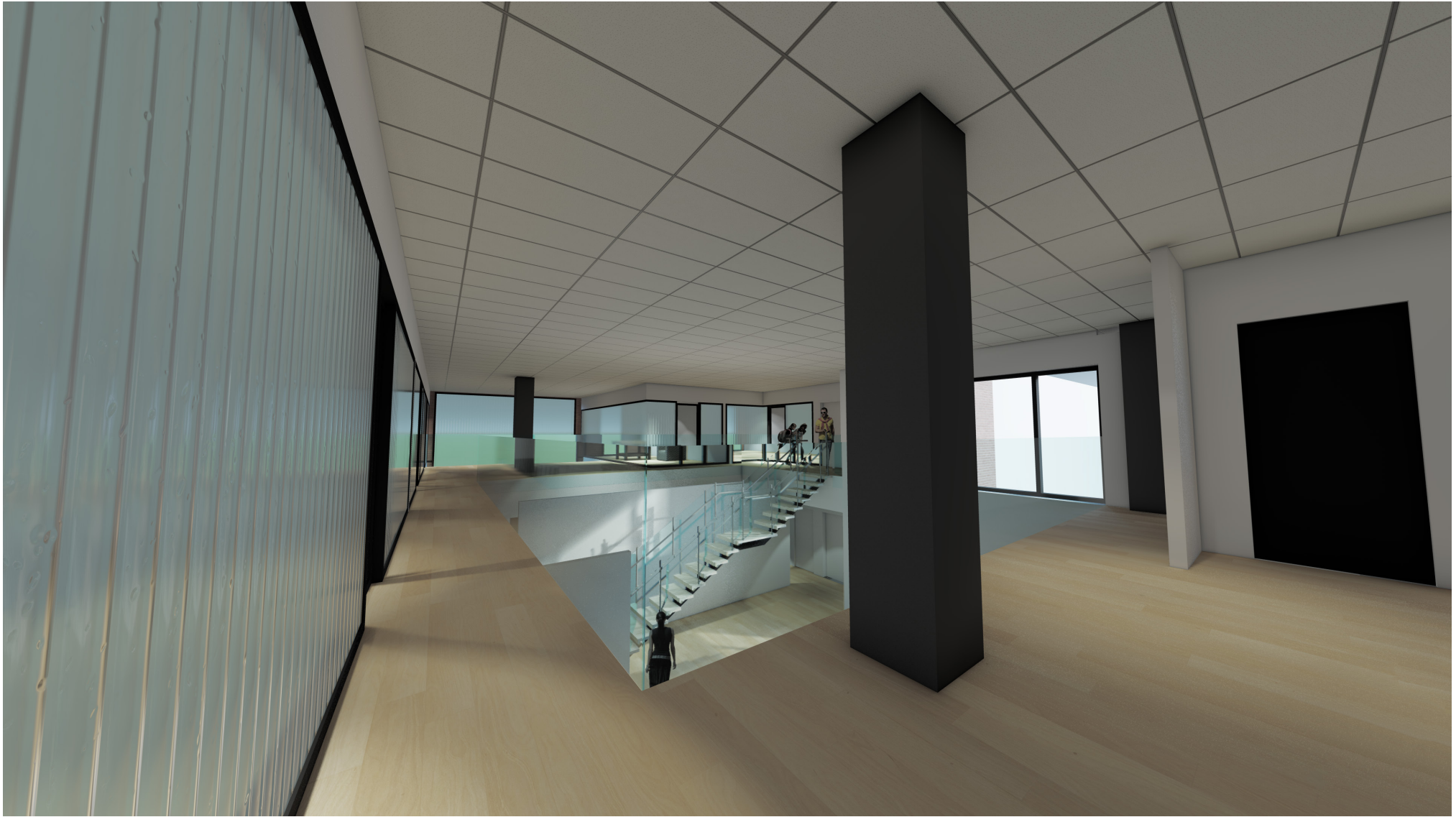
THROUGH THE USE OF CHANNEL GLASS PARTITIONS AND SPACES OPEN TO BELOW, IT GIVES THE FEELING OF TRANSPARENCY TO THE USER, BY ALLOWING THE USER TO GET A GLIMPSE OF THE ENTIRE FLOOR AND BELOW.



SECOND FLOOR PLAN

- | | | | | | |
|---|----------------|---|---------------------|---|----------------------|
|  | CLASSROOM |  | RESTROOMS |  | WASTE DISPOSAL CHUTE |
|  | PRIVATE STUDIO |  | PASSENGER ELEVATORS | | |
|  | SHARED STUDIO |  | EGRESS STAIRS | | |





SECOND FLOOR ART GALLERY

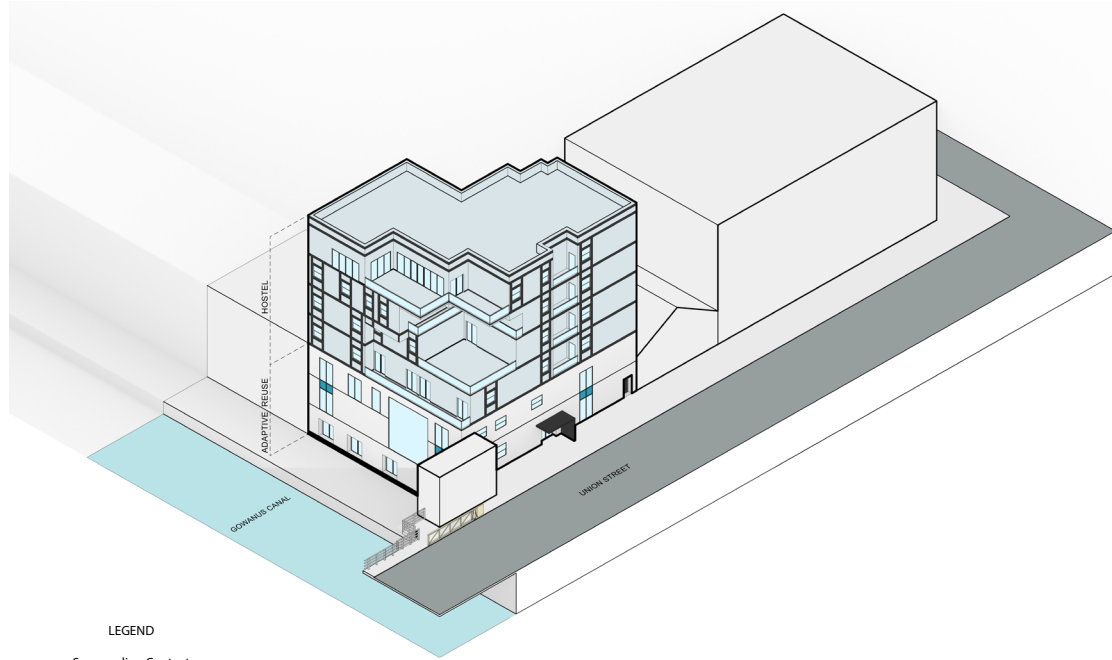
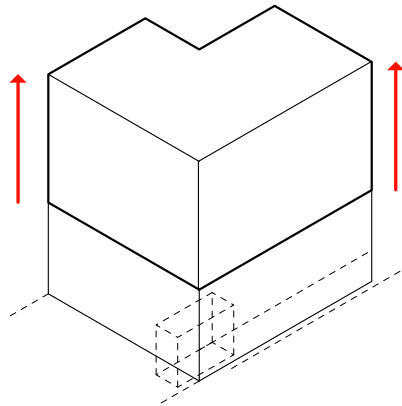


02 GOWANUS HOSTEL

SITE 525 UNION STREET, BROOKLYN, NY

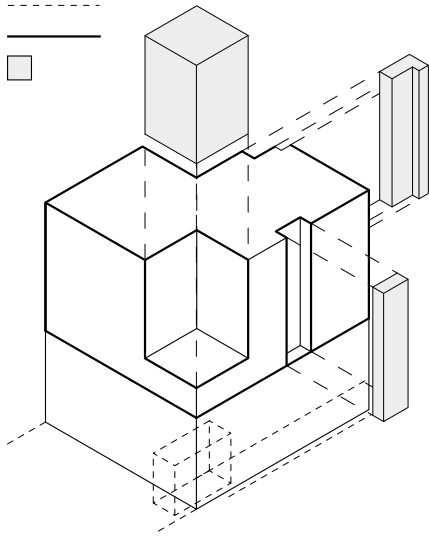
HOW CAN WE RESHAPE THE URBAN LANDSCAPE, WHILE MAINTAINING THE LANGUAGE OF A NEIGHBORHOOD AND CREATING A DISTINCTION WITH- IN IT? PHASE TWO OF THE PROJECT ENTAILED DESIGNING A HOSTEL ONTOP OF THE MASONRY STRUCTURE.

- LEGEND
- Surrounding Context - - - - -
 - Existing Building ————
 - New Building ————

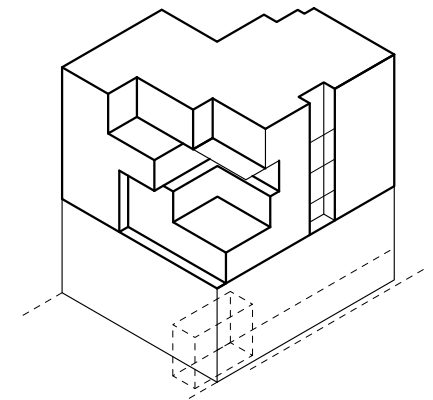
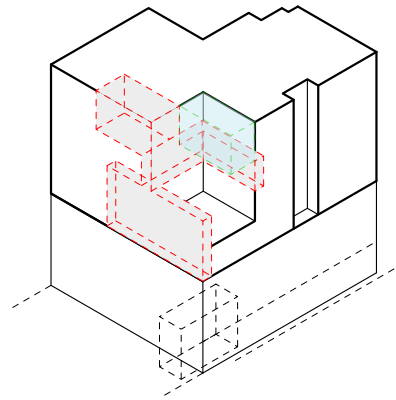


ENVELOPE

- LEGEND
- Surrounding Context - - - - -
 - New Building ————
 - Carved-out Pieces □



- LEGEND
- Surrounding Context - - - - -
 - New Building ————
 - Setbacks □
 - Additions □



INITIAL ITERATION

BY CARVING OUT PORTIONS OF THE ENVELOPE, MOMENTS WITHIN THE STRUCTURE ARE GIVEN PROMINENCE, TO ALLOW FOR SPECIAL VIEWS OF THE SITE.

ADDITIONS AND SUBTRACTIONS

BY IMPLEMENTING SPACES WITHIN THE CARVED OUT FORMS, OUTDOOR SPACE IS CREATED, ALLOWING THE USERS TO EXPERIENCE THE SITE WITH ONE ANOTHER.

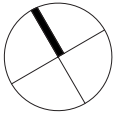
FINAL ITERATION

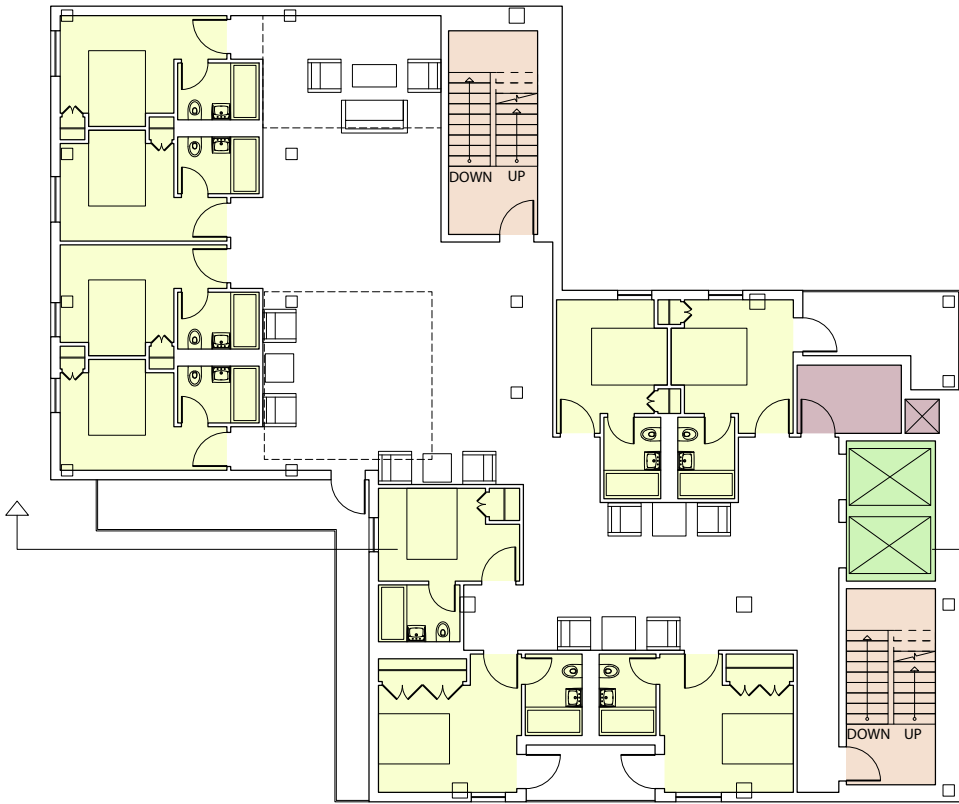


THIRD FLOOR PLAN

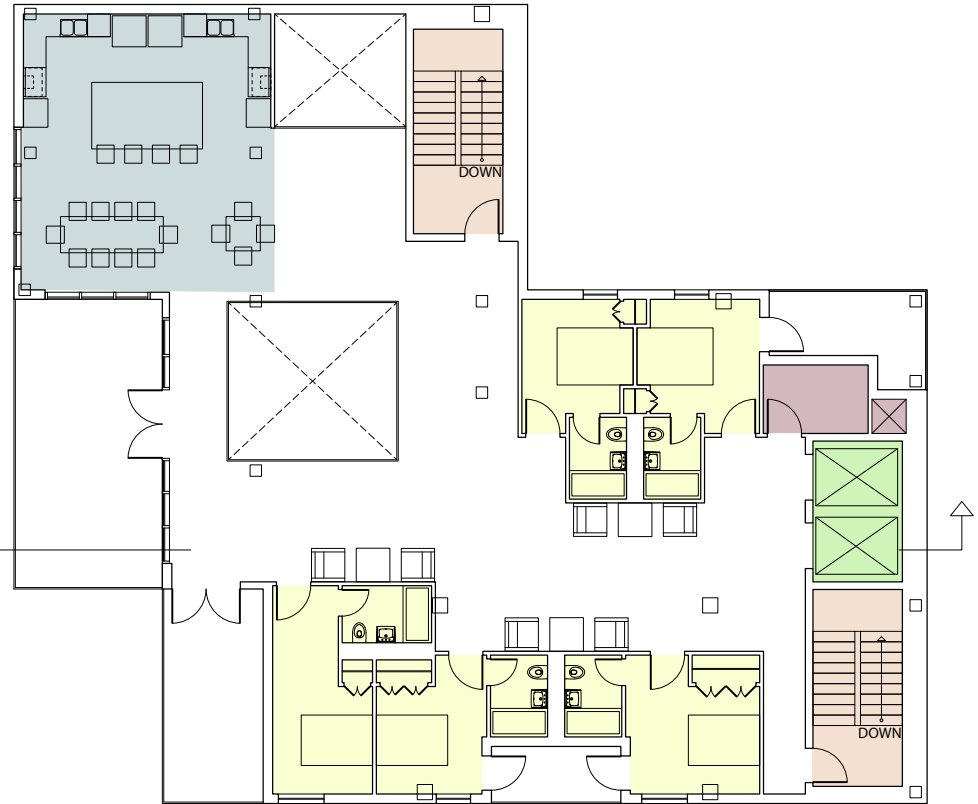
FOURTH FLOOR PLAN

- | | | | | | |
|--|--------------------------------|---|----------------------|---|---------------|
|  | 4 PERSON BEDROOM (2 BUNK BEDS) |  | COMMUNAL RESTROOMS |  | EGRESS STAIRS |
|  | 6 PERSON BEDROOM (3 BUNK BEDS) |  | PASSENGER ELEVATOR | | |
|  | 8 PERSON BEDROOM (4 BUNK BEDS) |  | WASTE DISPOSAL CHUTE | | |

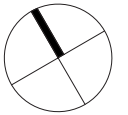
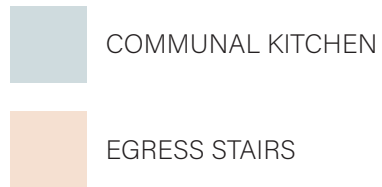


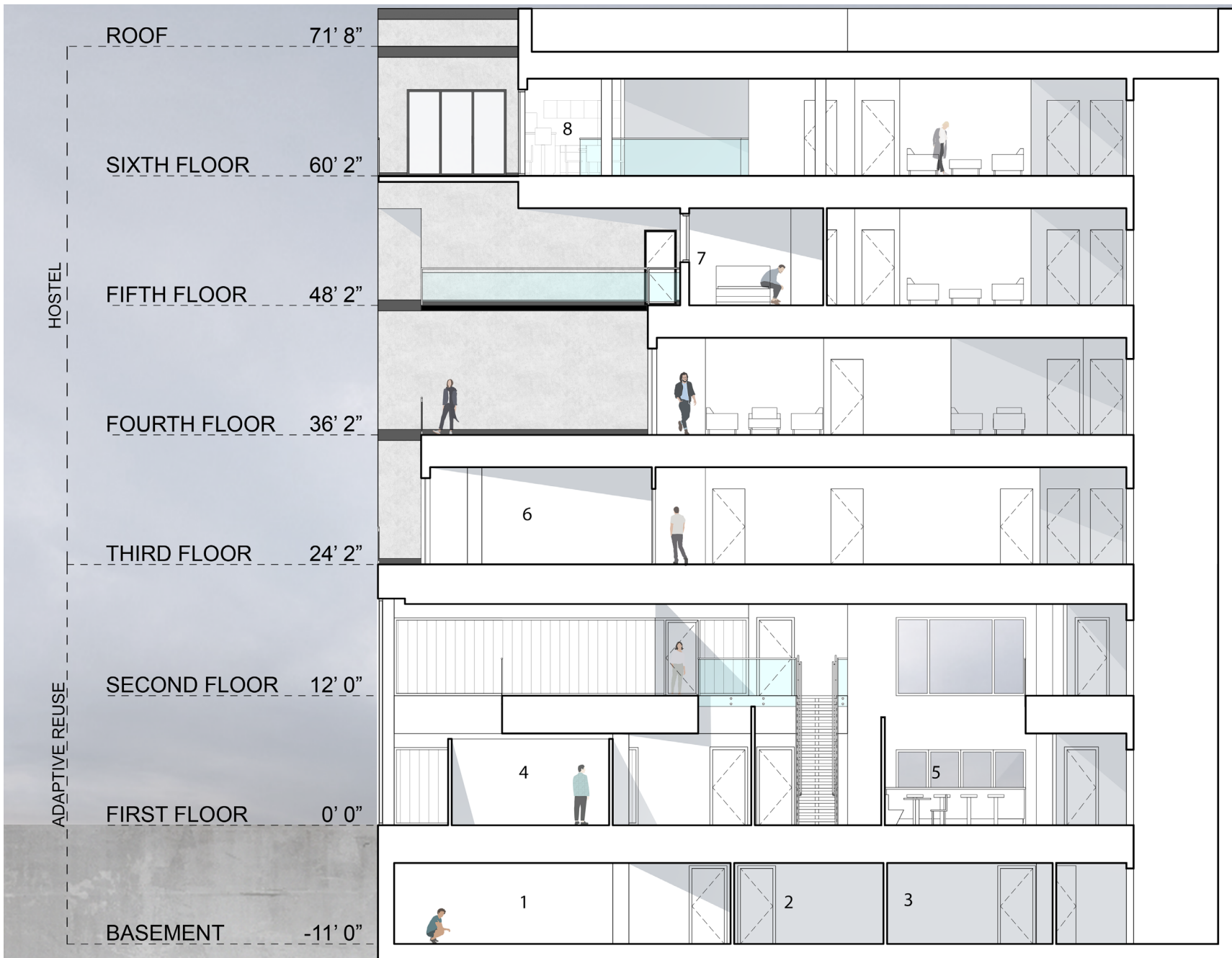


FIFTH FLOOR PLAN



SIXTH FLOOR PLAN





- 1. FITNESS ROOM
- 2. GENERAL STORAGE
- 3. HOUSE KEEPING
- 4. CAFE
- 5. GALLERY
- 6. FOUR BED ROOM
- 7. PRIVATE BEDROOM
- 8. COMMUNAL KITCHEN

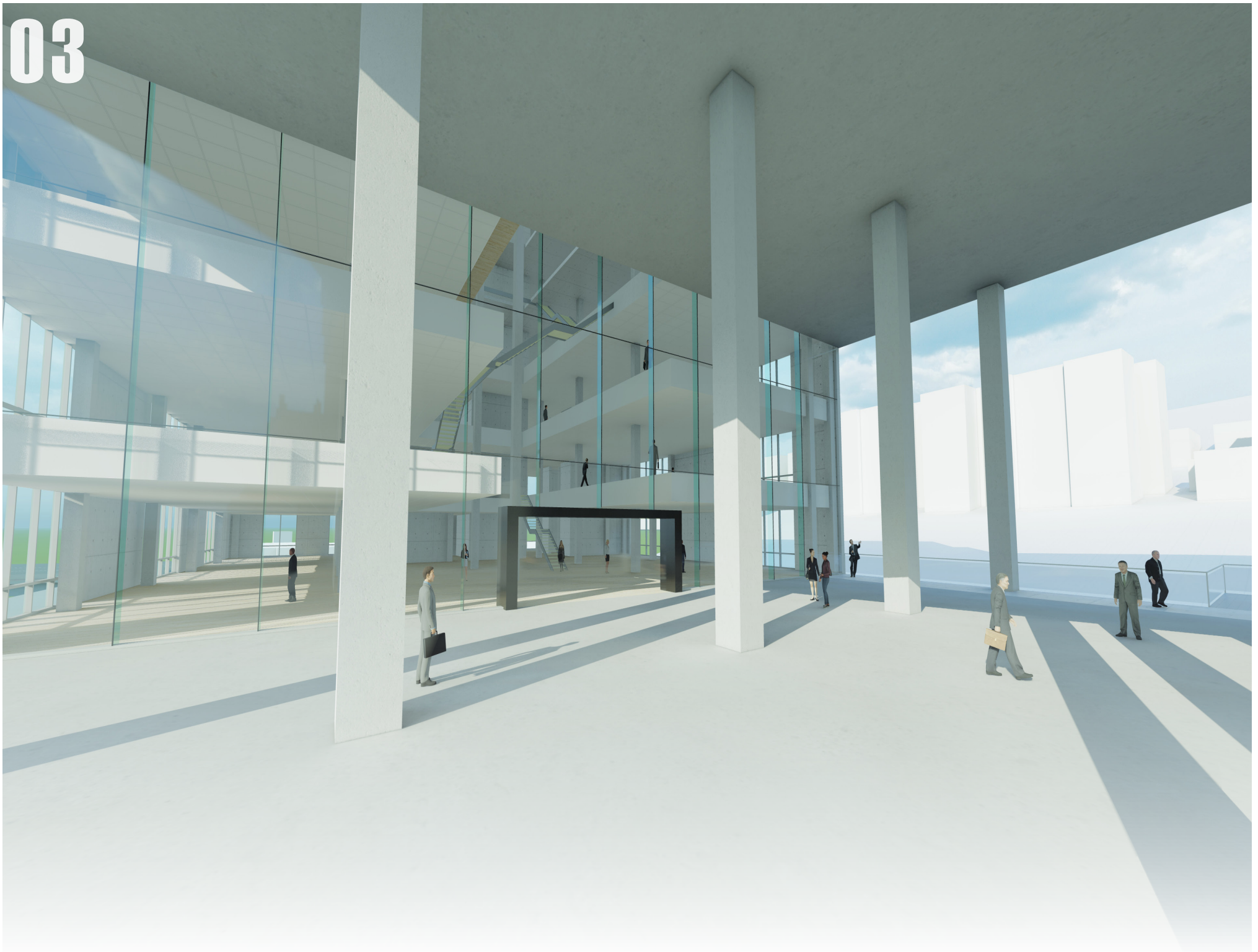
CROSS SECTION



WEST ELEVATION



SOUTH ELEVATION



03 OFFICE COMPLEX: SERENE COMMUNITY

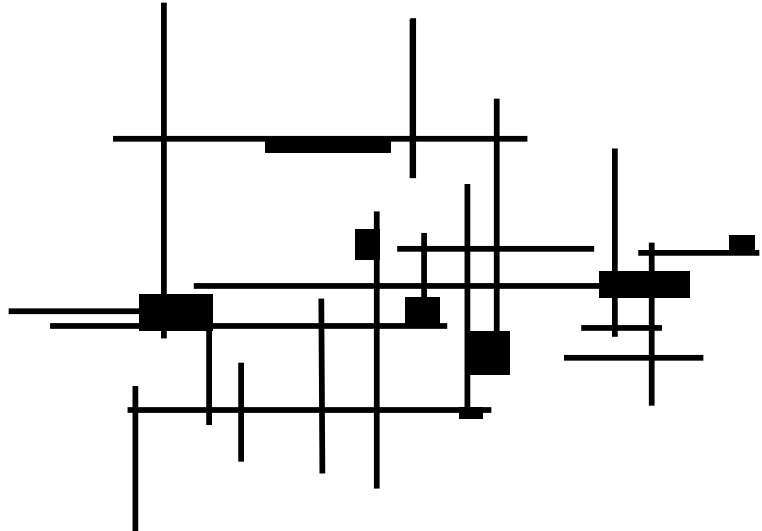
SITE 320 W FORDHAM RD, BRONX, NY

WHAT IS AN OFFICE COMPLEX IN THE 21ST CENTURY? IS IT STILL CUBICLES AND COMPUTERS? OR MAYBE IT'S EVOLVED; TO A GATHERING PLACE OF IDEAS TO SPREAD AND GROW.

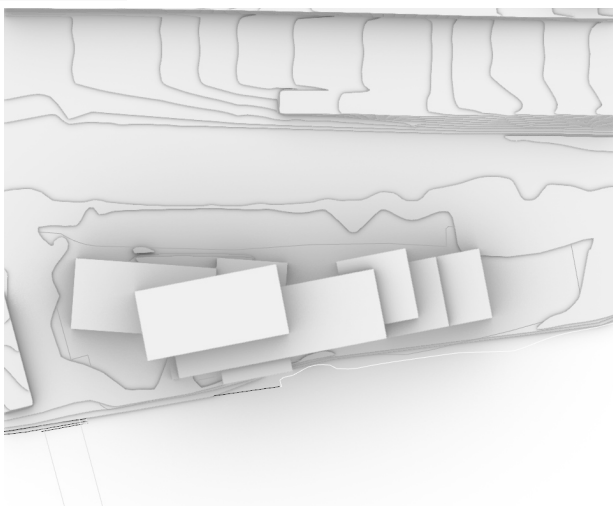
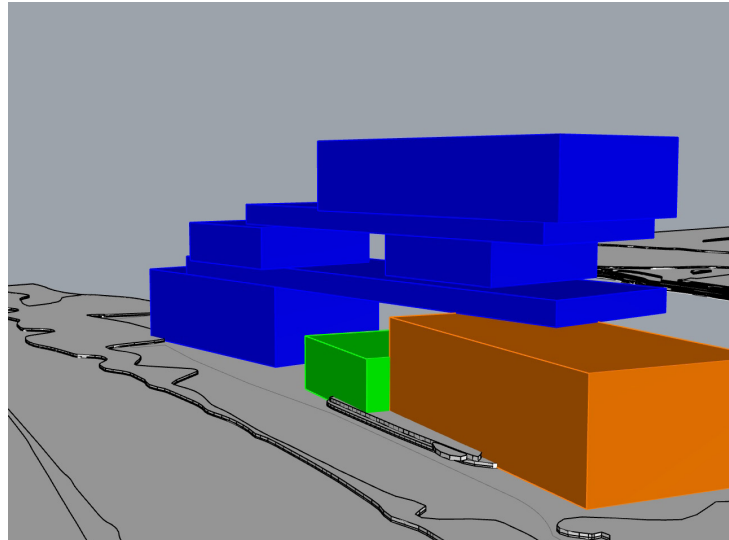
CONCEPT

SERENE COMMUNITY

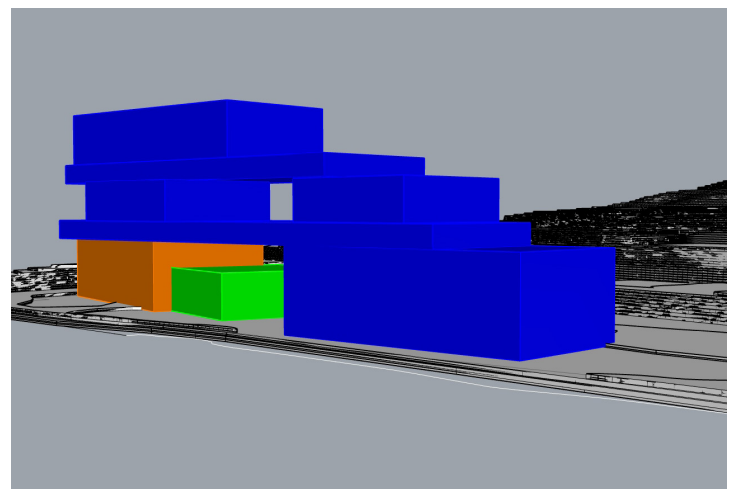
THE OFFICE SPACE SHOULD BE AN ATMOSPHERE WITH A WIDE LAYOUT , INVOLVING THE INTERACTION OF WORK AND LIFE. AN ENVIRONMENT WITH A CENTERED BALANCE WITH A SERENE COMMUNITY THAT TIES IN THE FOCAL POINT TO WORK. TO DESIGN A STRUCTURE THAT FIT THE IDEA OF A SERENE COMMUNITY, LOOKING BACK AT THE SURROUNDING AREA AND INTEGRATING ELEMENTS FROM THE COMMUNITY WAS ESSENTIAL



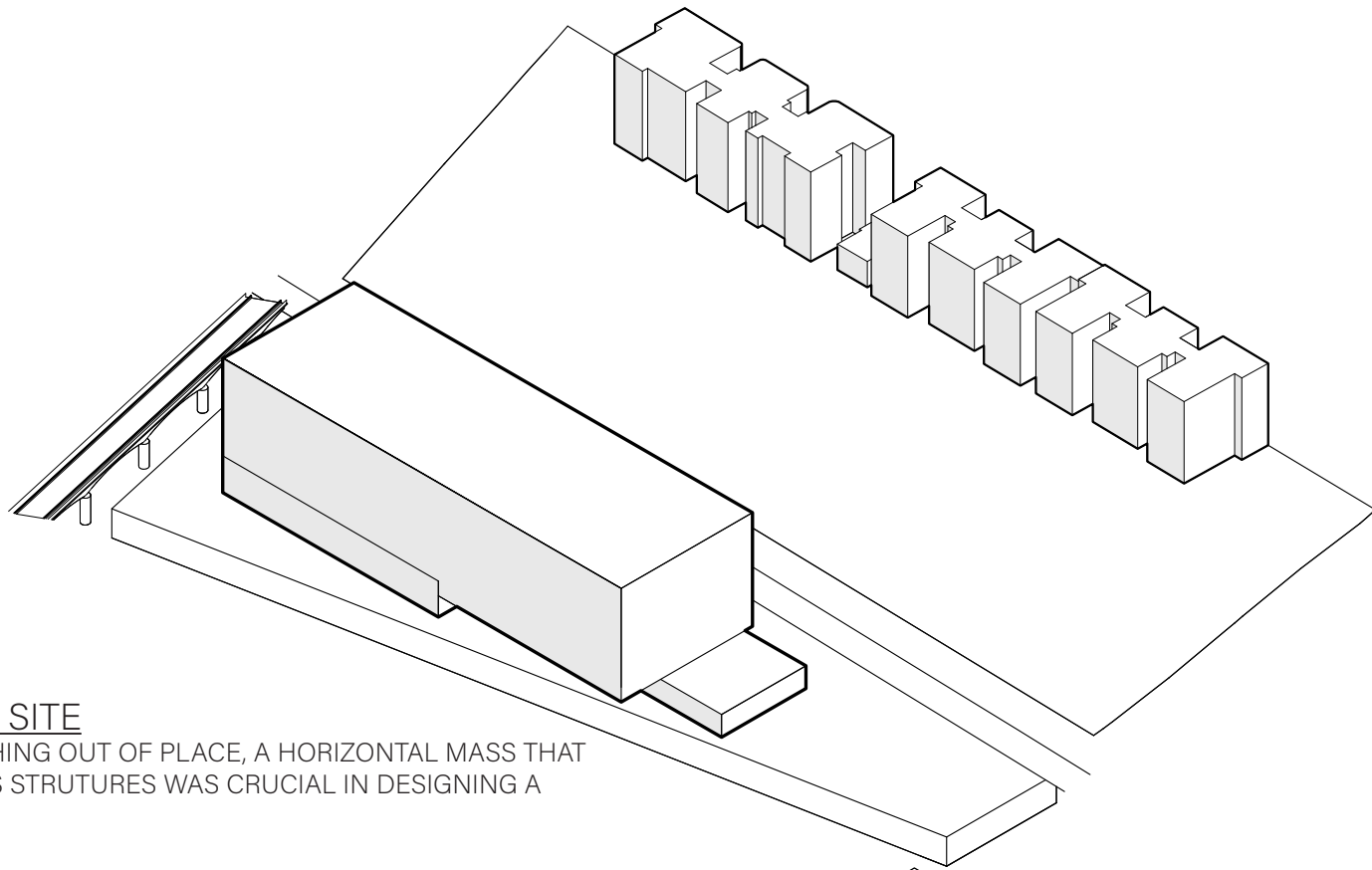
CONCEPT SKETCH



CONCEPT MASSING ON SITE

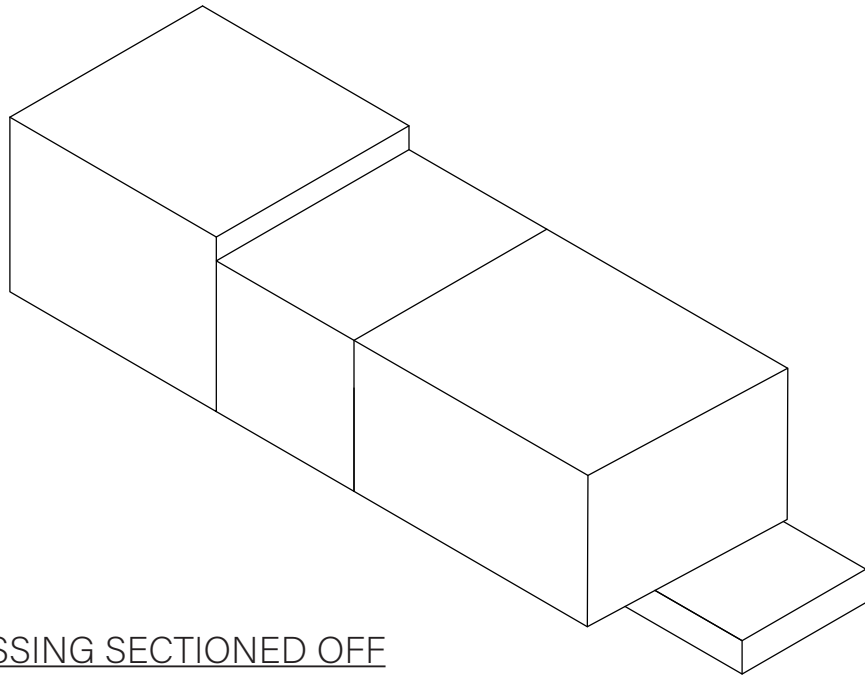


CONCEPT MASSING VIEWS

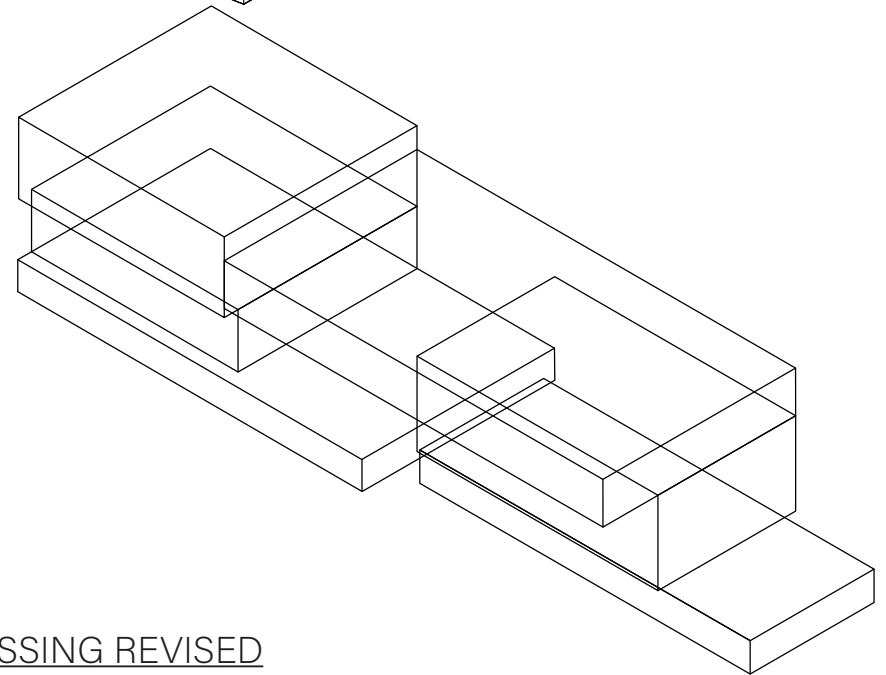


INITIAL MASSING ON SITE

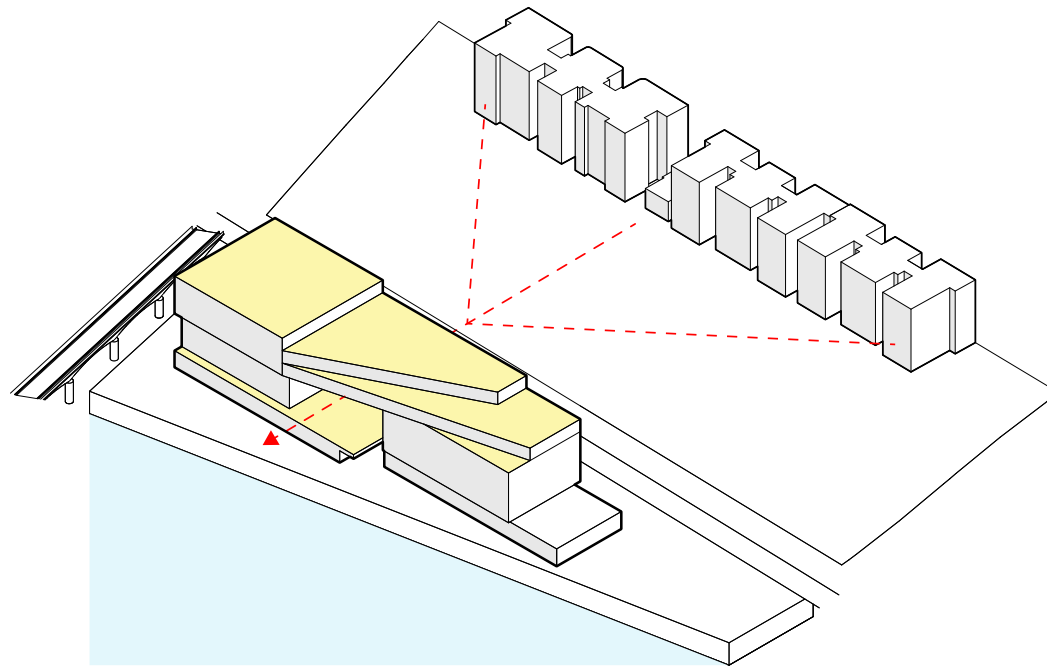
TO AVOID CREATING SOMETHING OUT OF PLACE, A HORIZONTAL MASS THAT MIMICS THE SURROUNDINGS STRUCTURES WAS CRUCIAL IN DESIGNING A SERENE COMMUNITY.



MASSING SECTIONED OFF

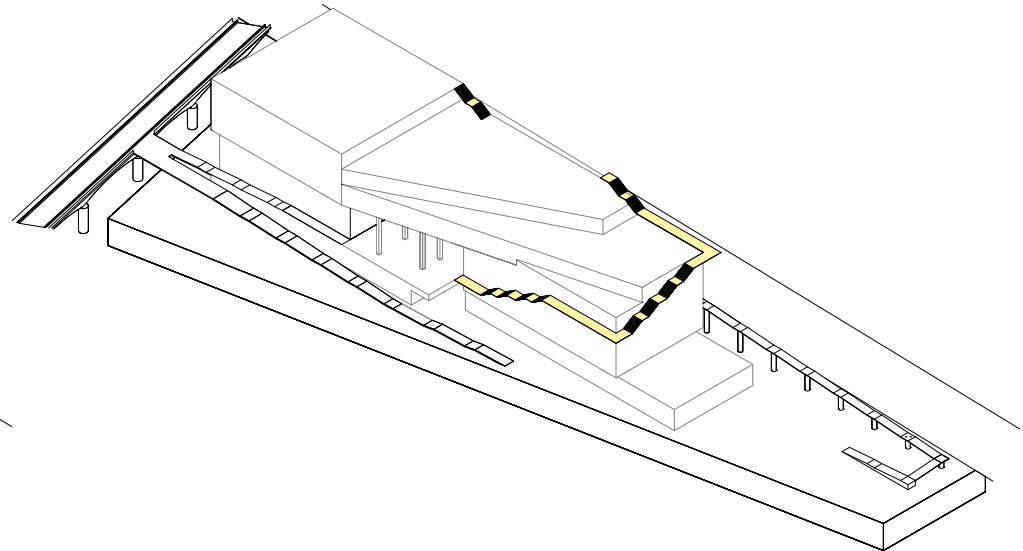
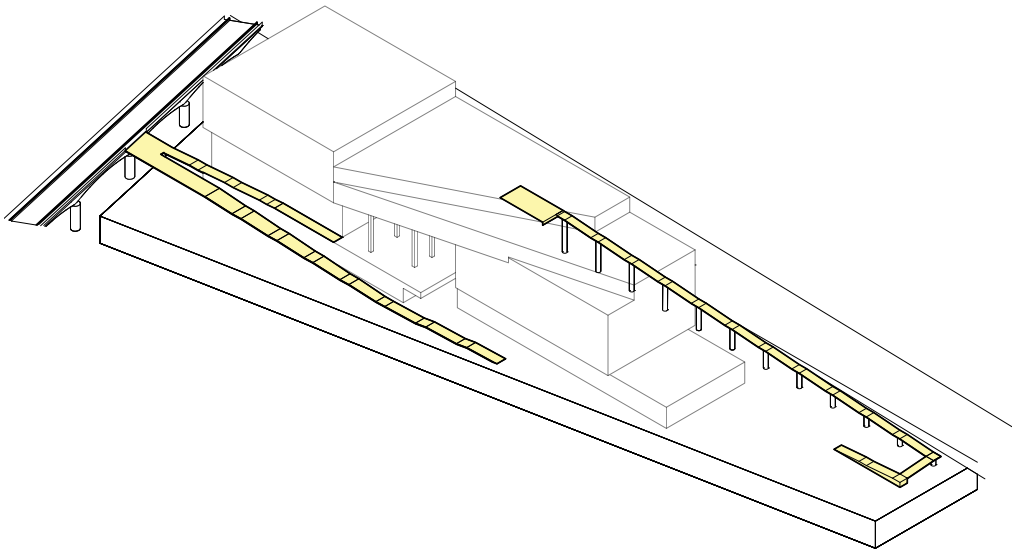


MASSING REVISED



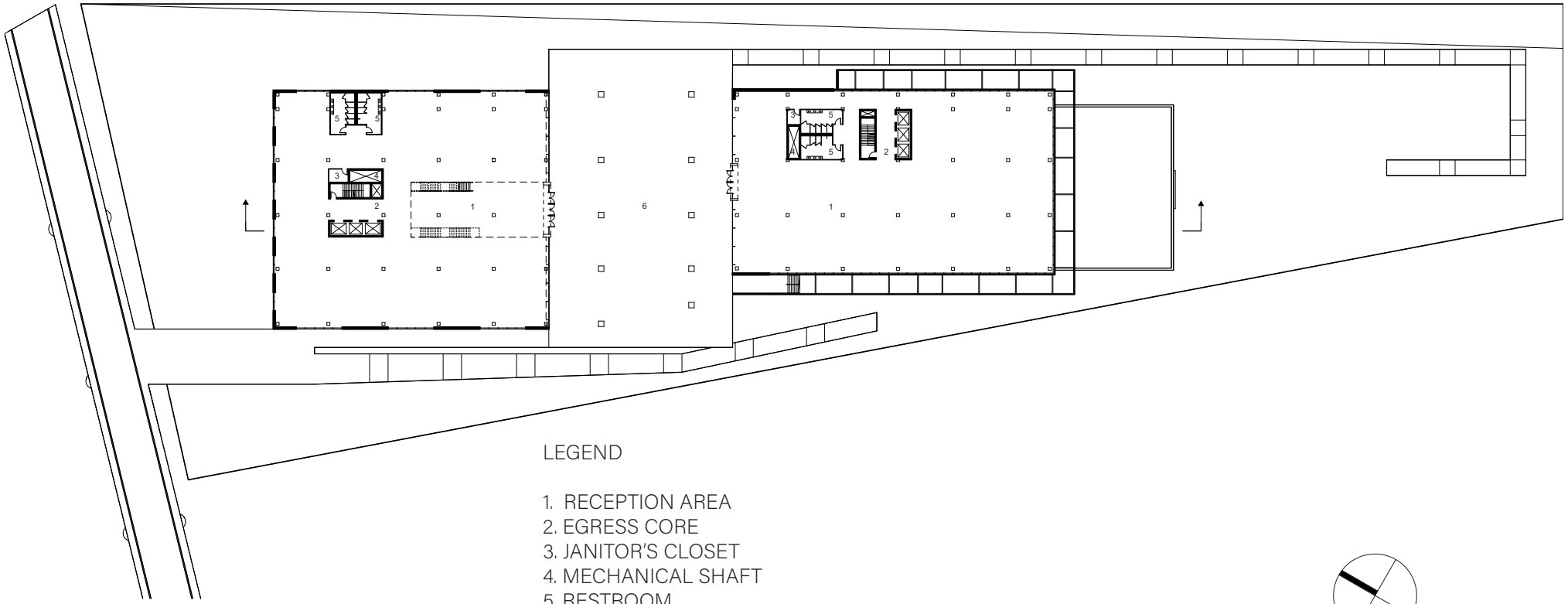
COMMUNITY SPACES

LARGE SPACES FROM THE MASSING WERE CARVED TO CREATE MOMENTS IN WHICH USERS OF THE BUILDING CAN COME TOGETHER AND INTERACT. THESE SPACES ALSO MEANT PROVIDE AN OPPORTUNITY FOR THE SURROUNDING TO KEEP THEIR VEIW OF THE HARLEM RIVER.



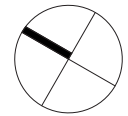
COMMUNITY CIRCULATION

CONNECTING THE BUILDING WITH ITS SURROUNDING GIVE THE USERS NEW OPPORTUNITIES TO CONNECT WITH THE SPACE AS A COMMUNITY AS OPPOSED TO SEEING EACH LEVEL OF THE BUILDING AS ITS OWN ENTITY.

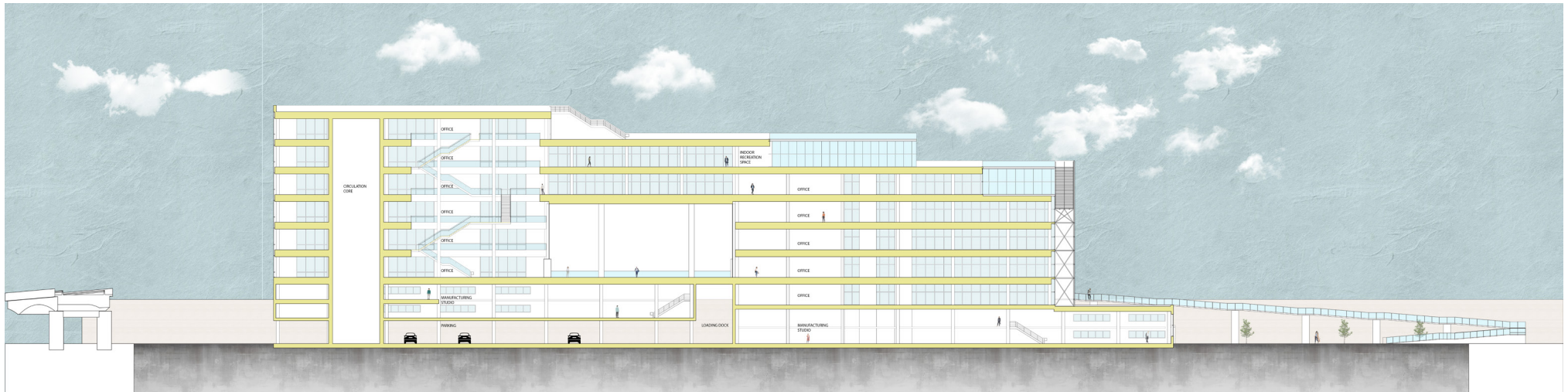


LEGEND

- 1. RECEPTION AREA
- 2. EGRESS CORE
- 3. JANITOR'S CLOSET
- 4. MECHANICAL SHAFT
- 5. RESTROOM
- 6. QUAD



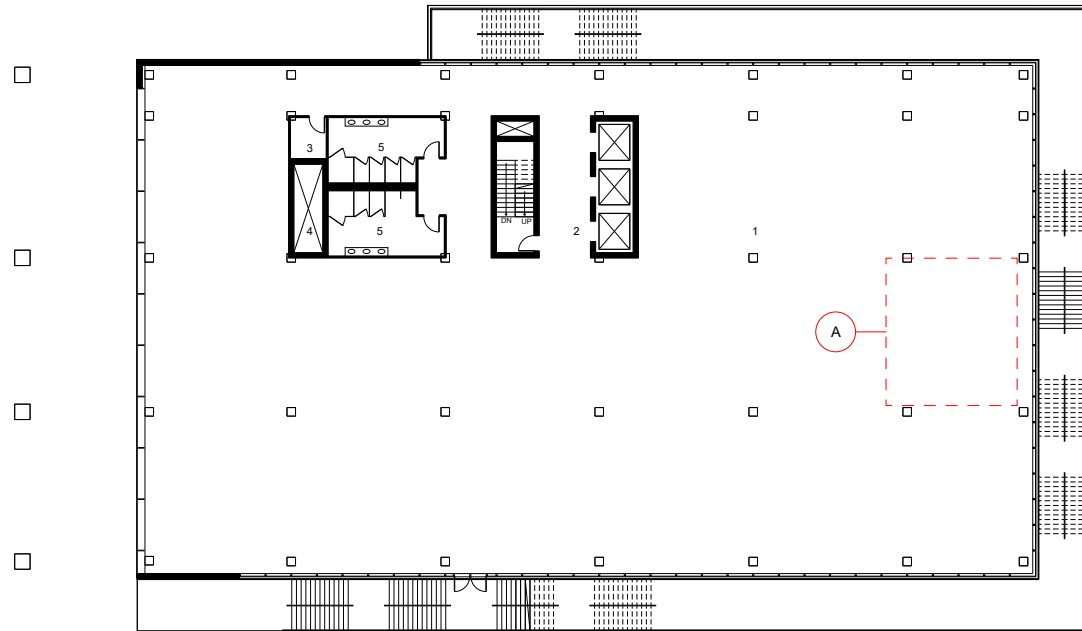
OFFICE COMPLEX MAIN FLOOR PLAN



CROSS SECTION

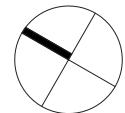


OFFICE SPACE CALLOUT A



LEGEND

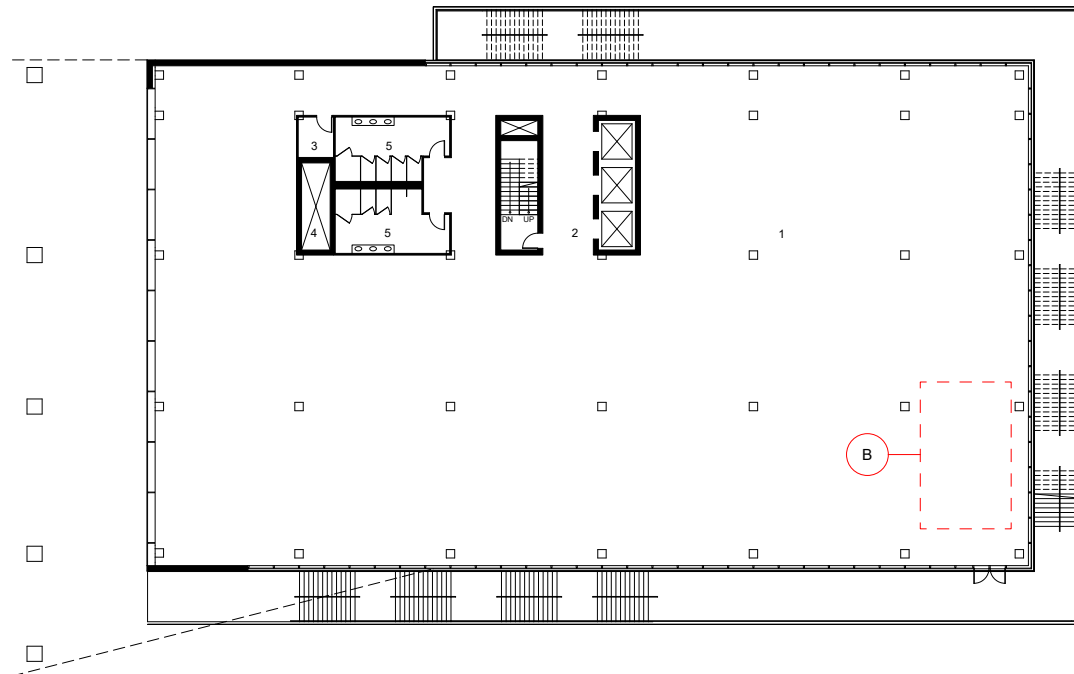
- 1. OFFICE SPACE
- 2. EGRESS CORE
- 3. JANITOR'S CLOSET
- 4. MECHANICAL SHAFT
- 5. RESTROOM



OFFICE SPACE FOURTH FLOOR

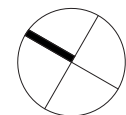


OFFICE SPACE CALLOUT B

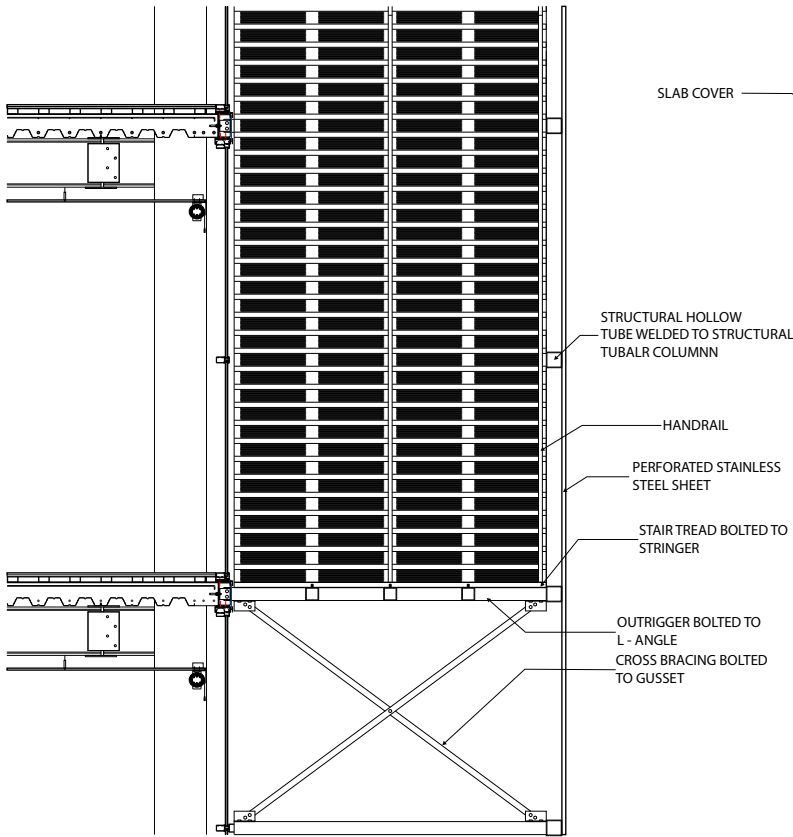


LEGEND

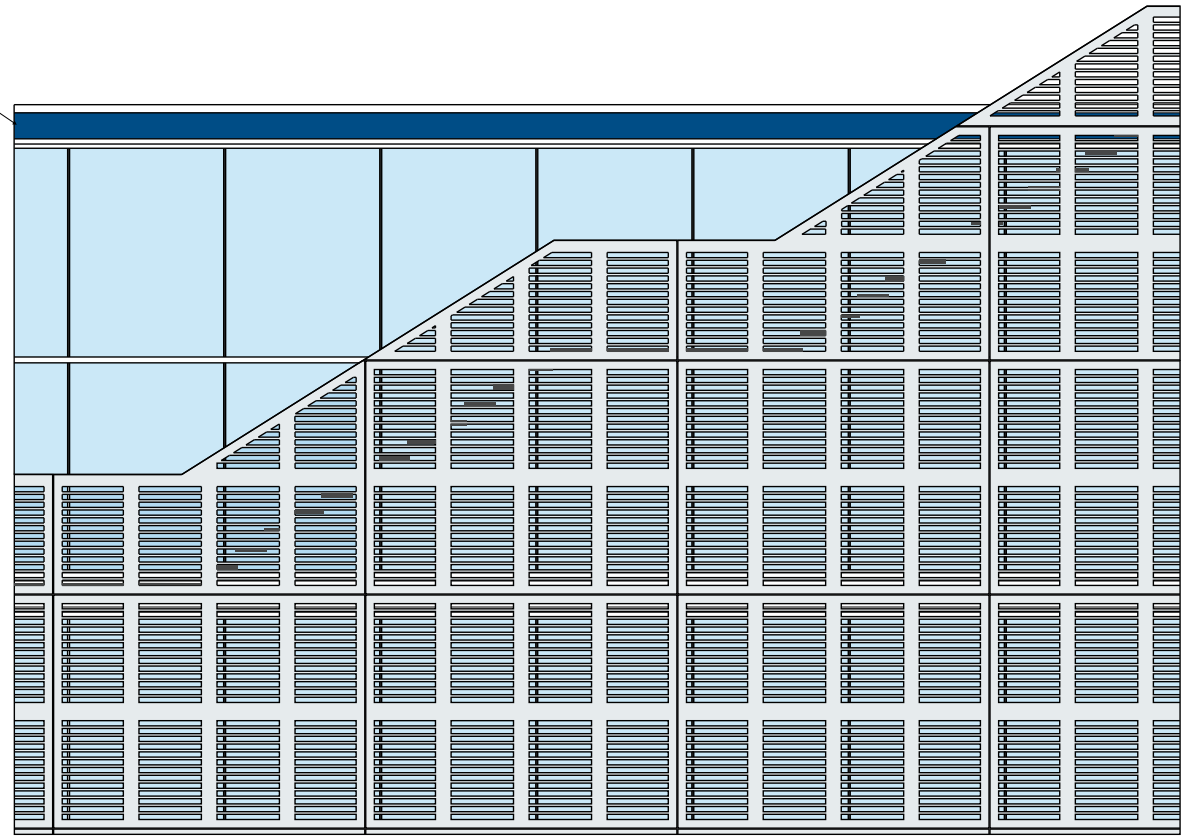
- 1. OFFICE SPACE
- 2. EGRESS CORE
- 3. JANITOR'S CLOSET
- 4. MECHANICAL SHAFT
- 5. RESTROOM



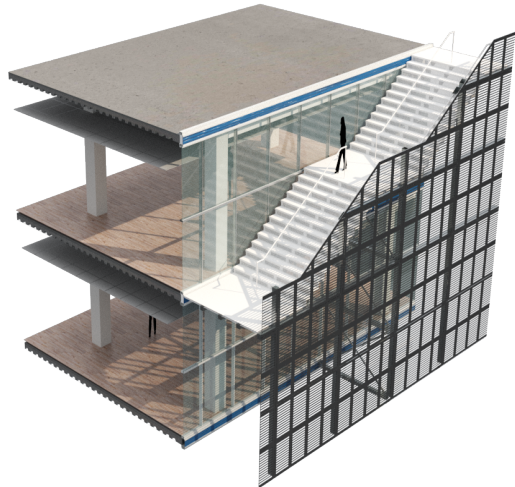
OFFICE SPACE FIFTH FLOOR



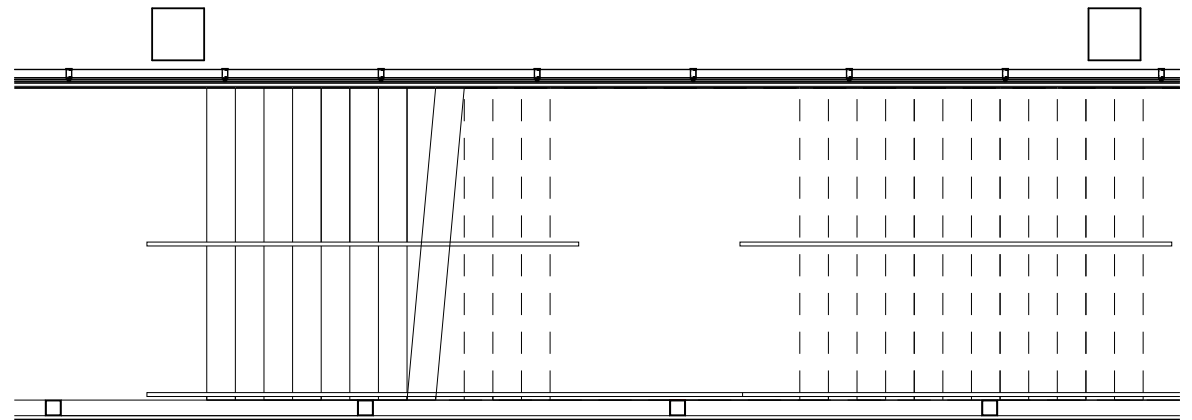
COMMUNAL STAIR ASSEMBLY SECTION



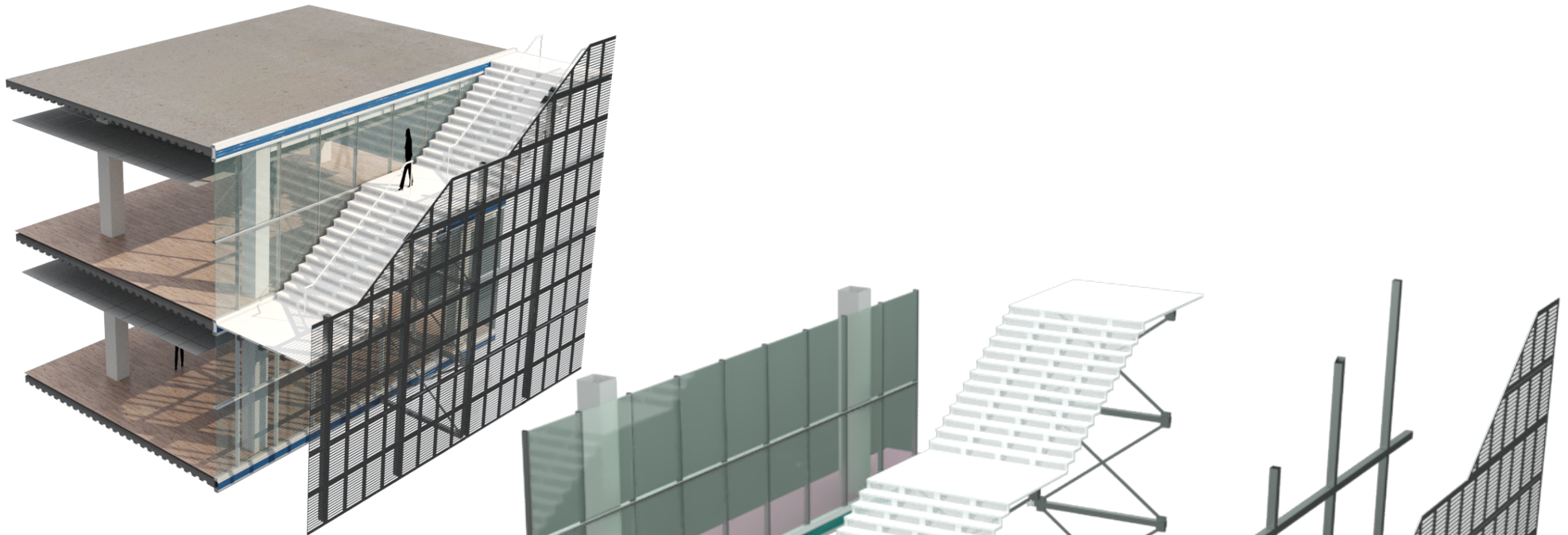
COMMUNAL STAIR ASSEMBLY ELEVATION



COMMUNAL STAIR ASSEMBLY



COMMUNAL STAIR ASSEMBLY PLAN



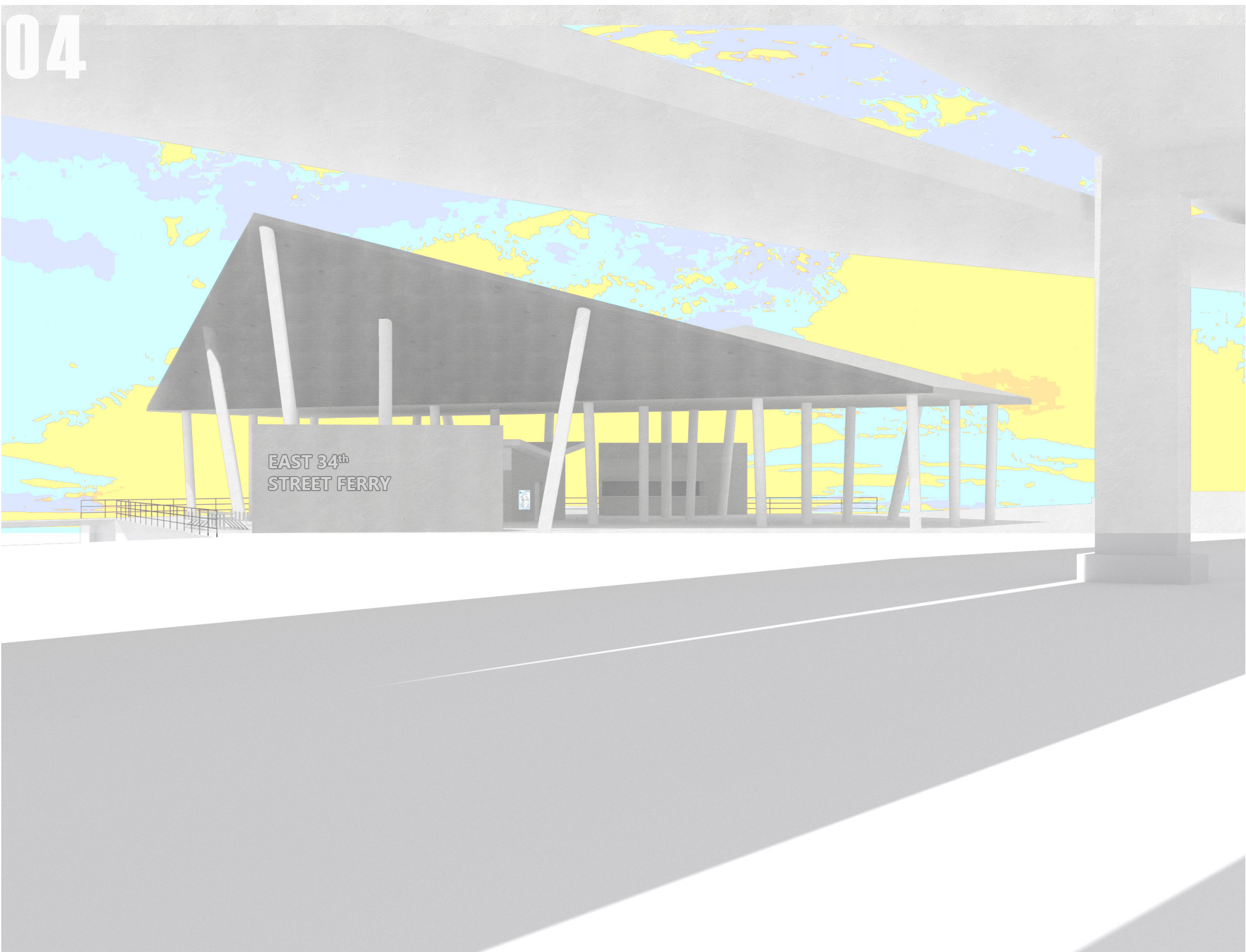
CHUNK MODEL RENDERING

STEEL STRUCTURE
 CONCRETE ON METAL DECKING
 WINDOW WALL SYSTEM
 INSULATION
 METAL SLAB COVER

OUTRIGGER SUPPORT STRUCTURE
 DIAGONAL BRACING
 STAIR STRINGERS
 EXTERIOR STAIRS

STRUCTURAL HOLLOW TUBES
 STAINLESS STEEL SKIN

OFFICE SPACE COMMUNAL STAIR ASSEMBLY

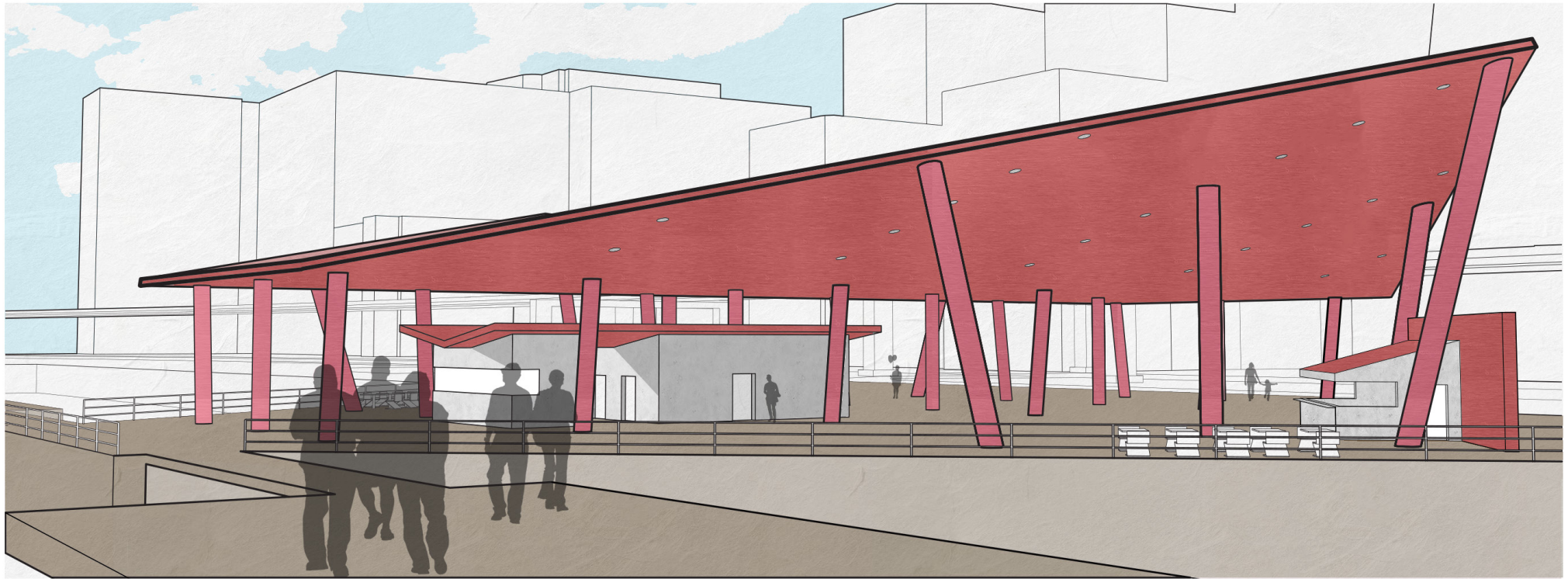


EAST 34th
STREET FERRY

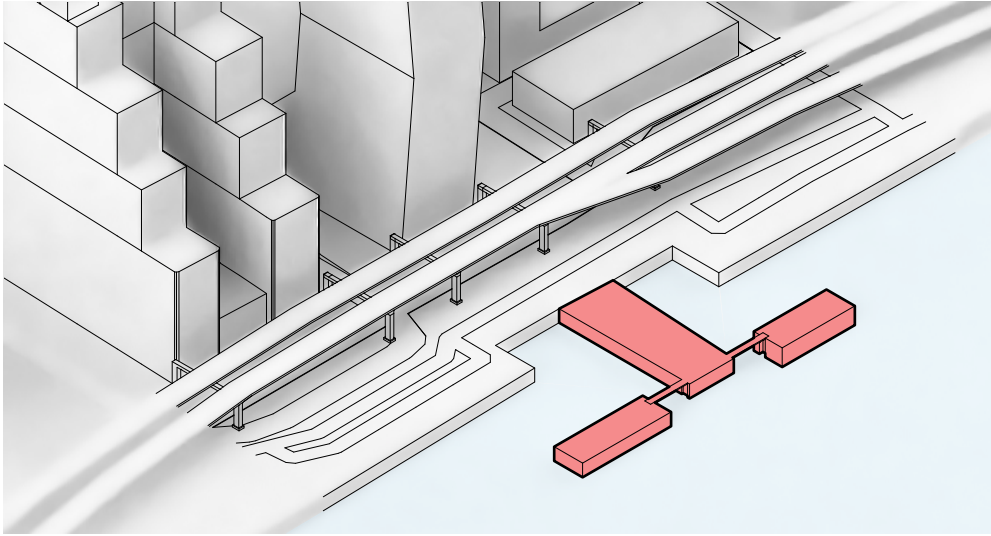
04 FERRY TERMINAL: RISING TERMINAL

SITE EAST 34TH ST FERRY LANDING, MANHATTAN, NY

TRAVEL, AND TEMPORARY SHELTER. HOW CAN WE IMPROVE UPON THE EXISTING SITE TO CREATE AN EFFICIENT FERRY LANDING?

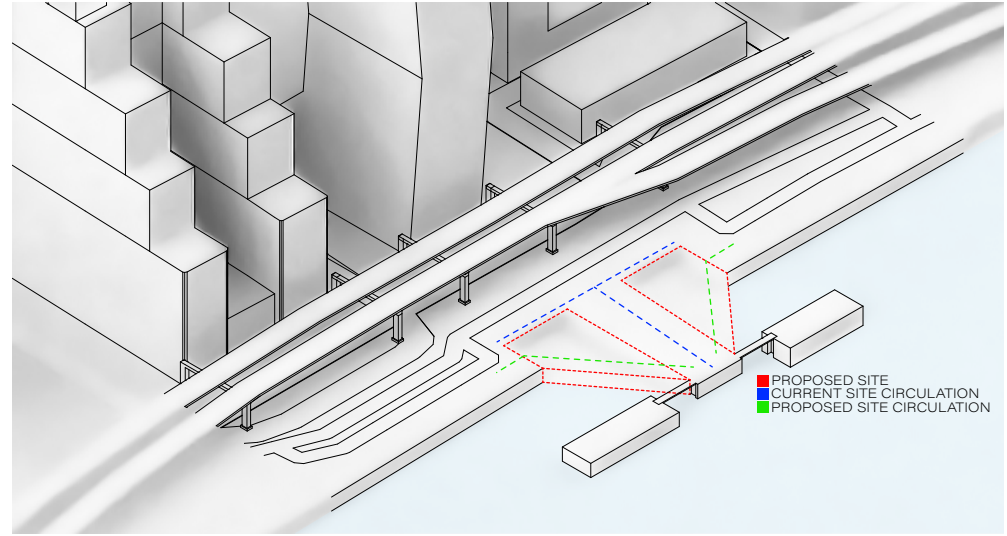


FERRY TERMINAL NORTHEAST VIEW



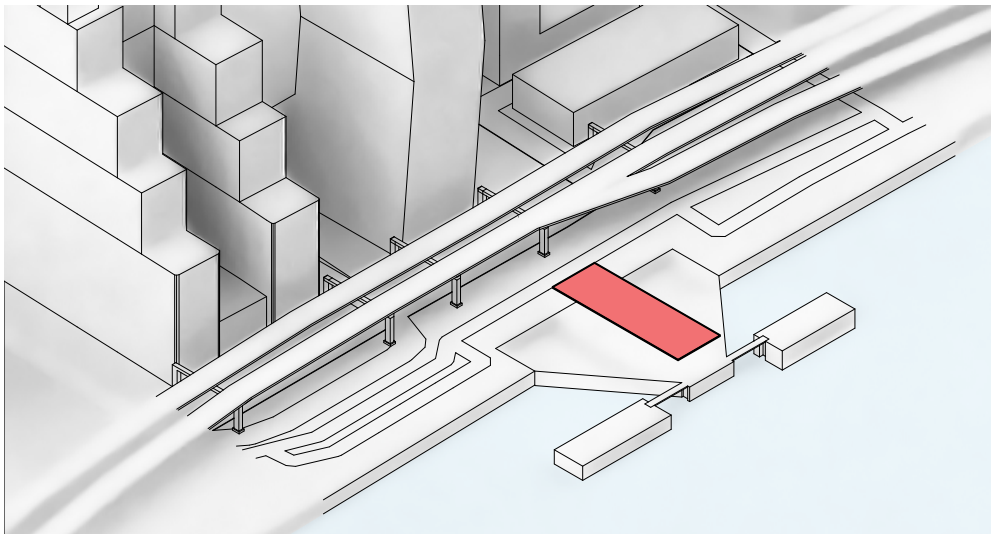
SITE

THE CURRENT SITE: A LONG SINGULAR PIER ACTING AS THE FLAGSHIP TERMINAL, WITH TWO PORTS BEING USED TO ACCOMODATE TRAVEL AROUND THE CITY AND OUTSIDE THE STATE.



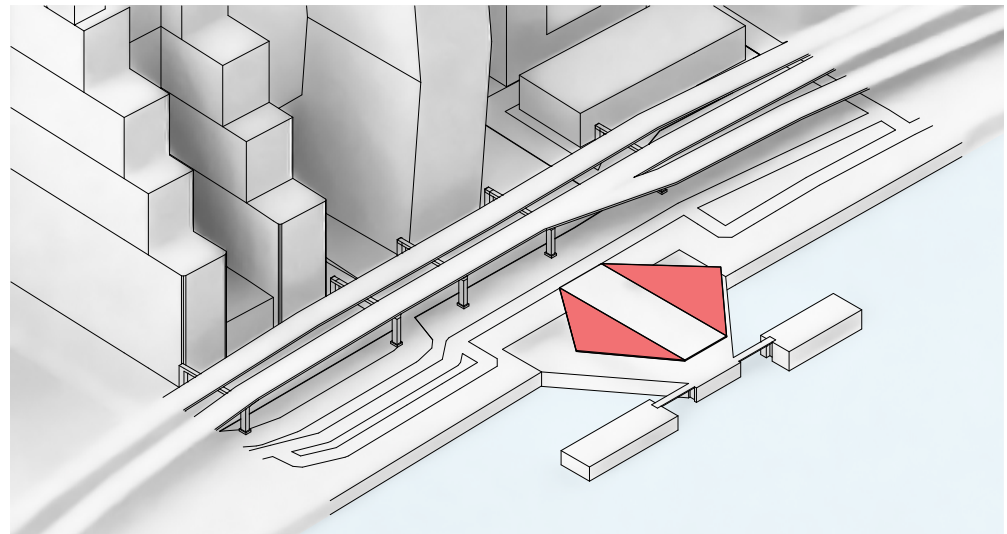
IMPROVING SITE CONDITIONS

THE GLARING ISSUE OF THE ORIGINAL SITE IS THAT IT SEES ALOT OF FOOT TRAFFIC DUE TO IT BEING A MAJOR STOP IN MOST ROUTES TRAVELING ALONG THE EAST RIVER. THUS TO COMBAT THE ISSUE OF BEING AN OVERCROWDED LOCATION WITH MINIMAL SPACE. THE PIER SHOULD BE EXPANDED, CONNECTING TO ITS SURROUNDINGS.



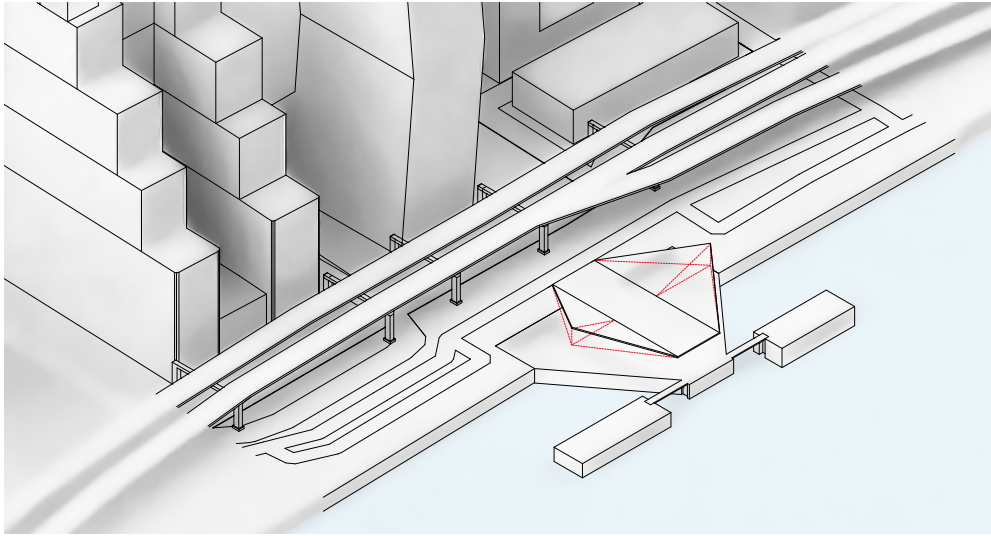
INITIAL SHELTER

THE MAIN CONCERN OF THE SHELTER SHOULD BE TO PROTECT VISTORS FROM THE ELEMENTS. THE FIRST STEP IN DOING SO IS TO HAVE THE ROOF RUN THE LENGTH OF THE PIER.



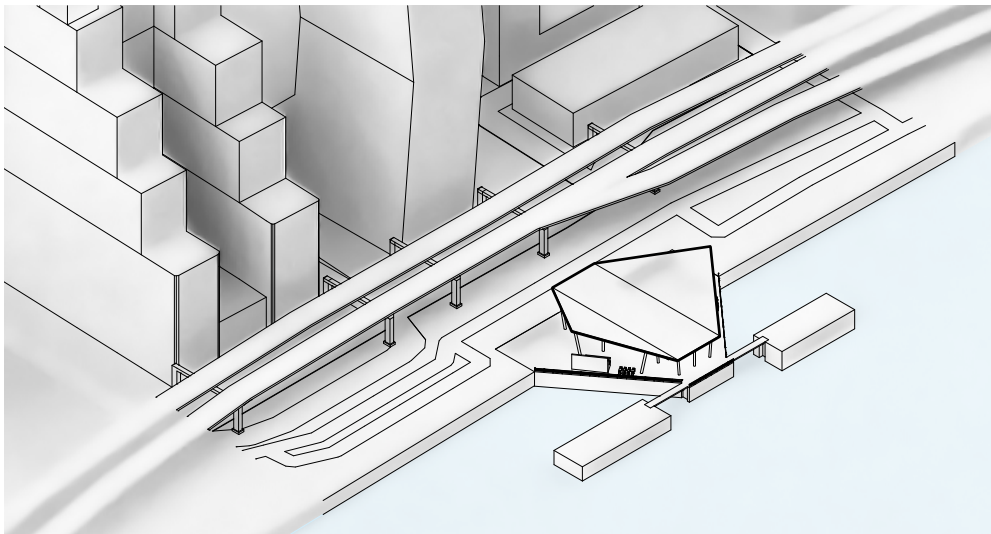
EXTENDING THE SHELTER

TO PROVIDING SHELTER TO THE EXPANDED AREA OF THE SITE, FORMS THAT FOLLOW THE NEWLY CREATED DIAGONAL PATHS OF THE PIER.

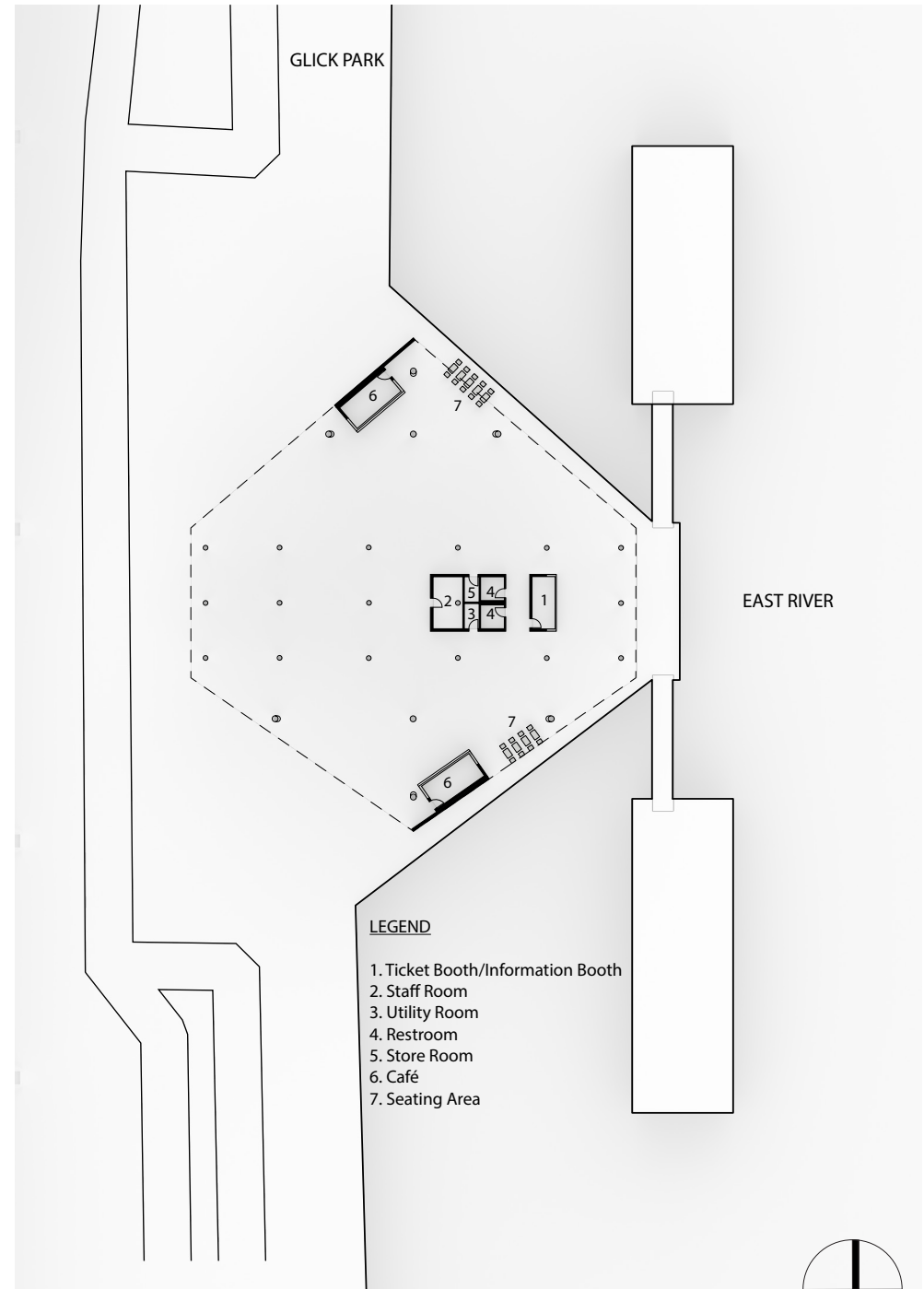


RAISING THE ROOF

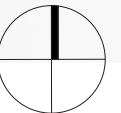
BY SLOPING BOTH THE PIECES AT EITHER SIDE OF THE INITIAL ROOF SPAN, THE STRUCTURE PROVIDES ADDITIONAL ELEMENTAL COVER AND GIVES DEPTH TO THE OVERALL DESIGN.



FINALIZED STRUCTURE



FERRY TERMINAL PLAN



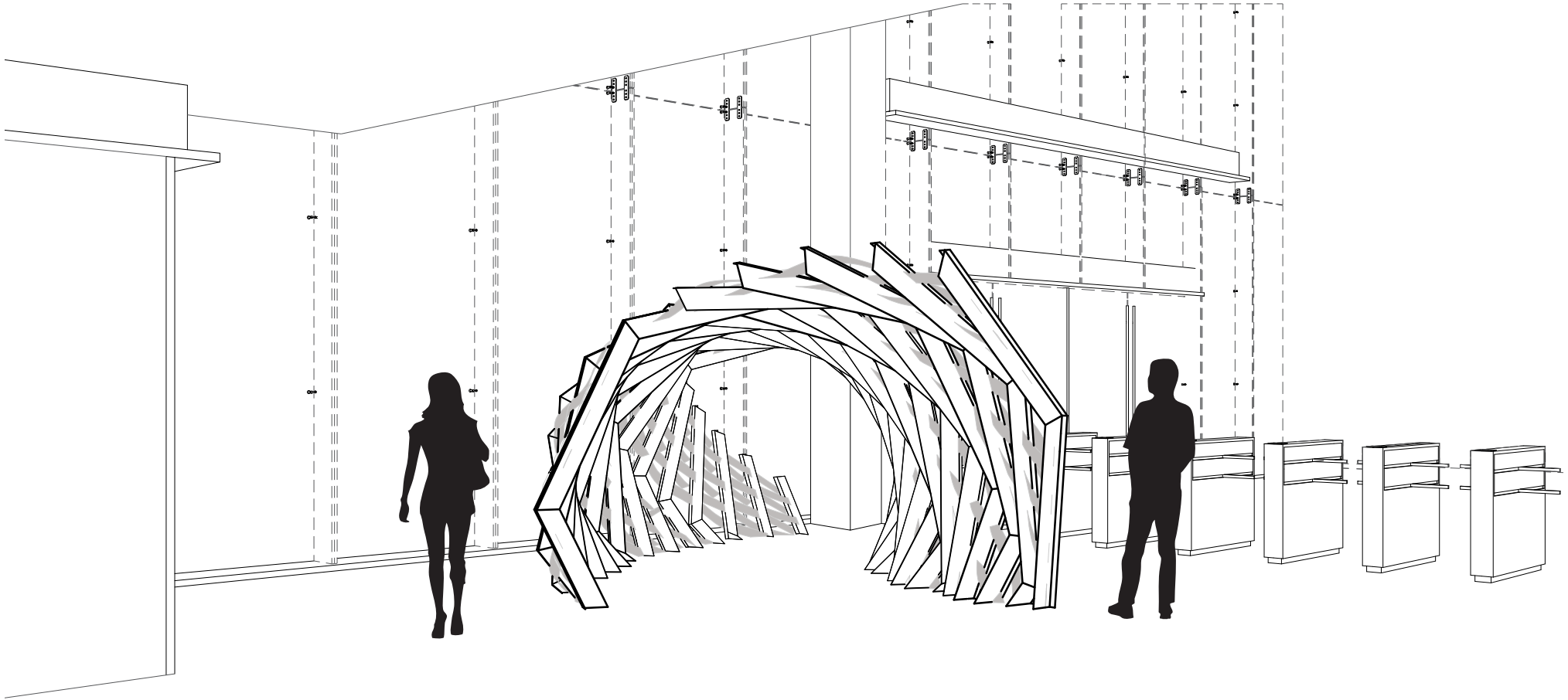


05 CITY TECH FOUNDATION: FALL 2019 SHOWCASE

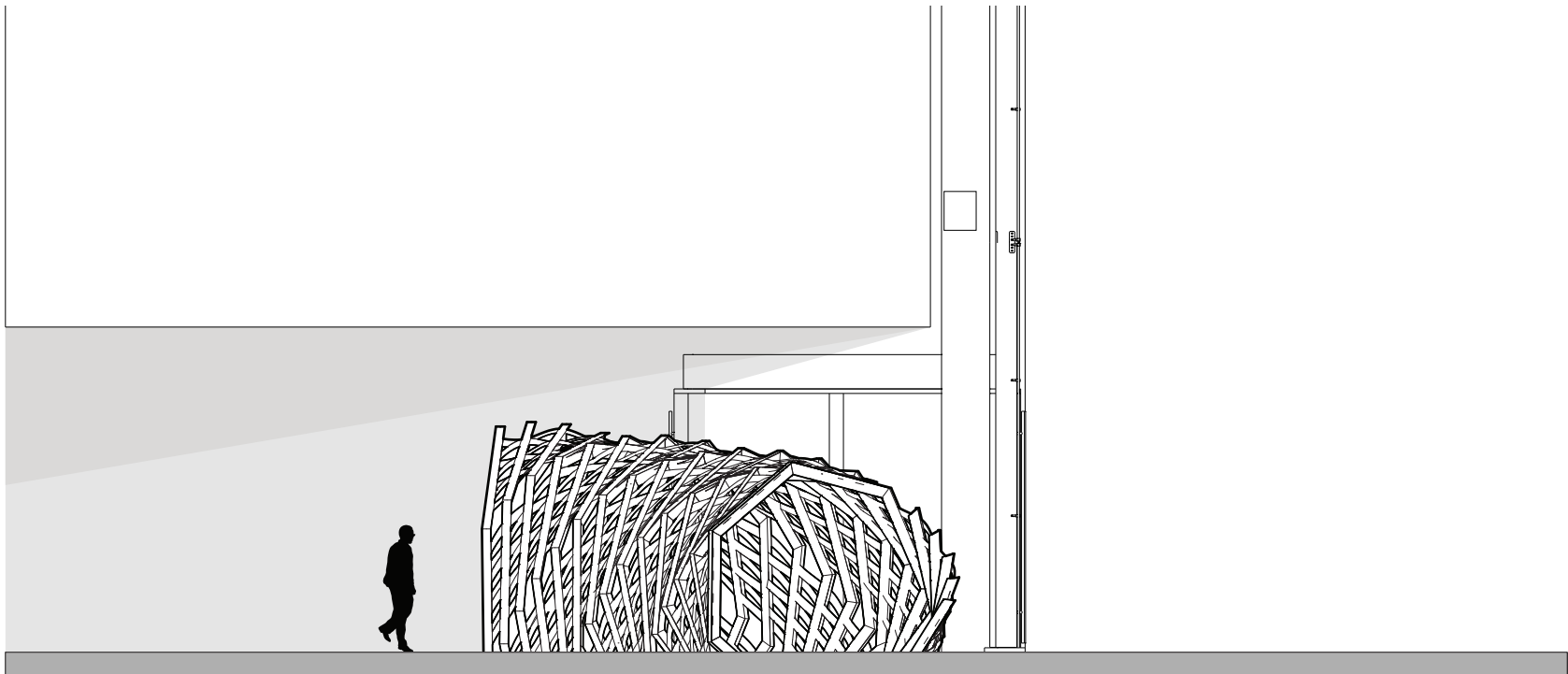
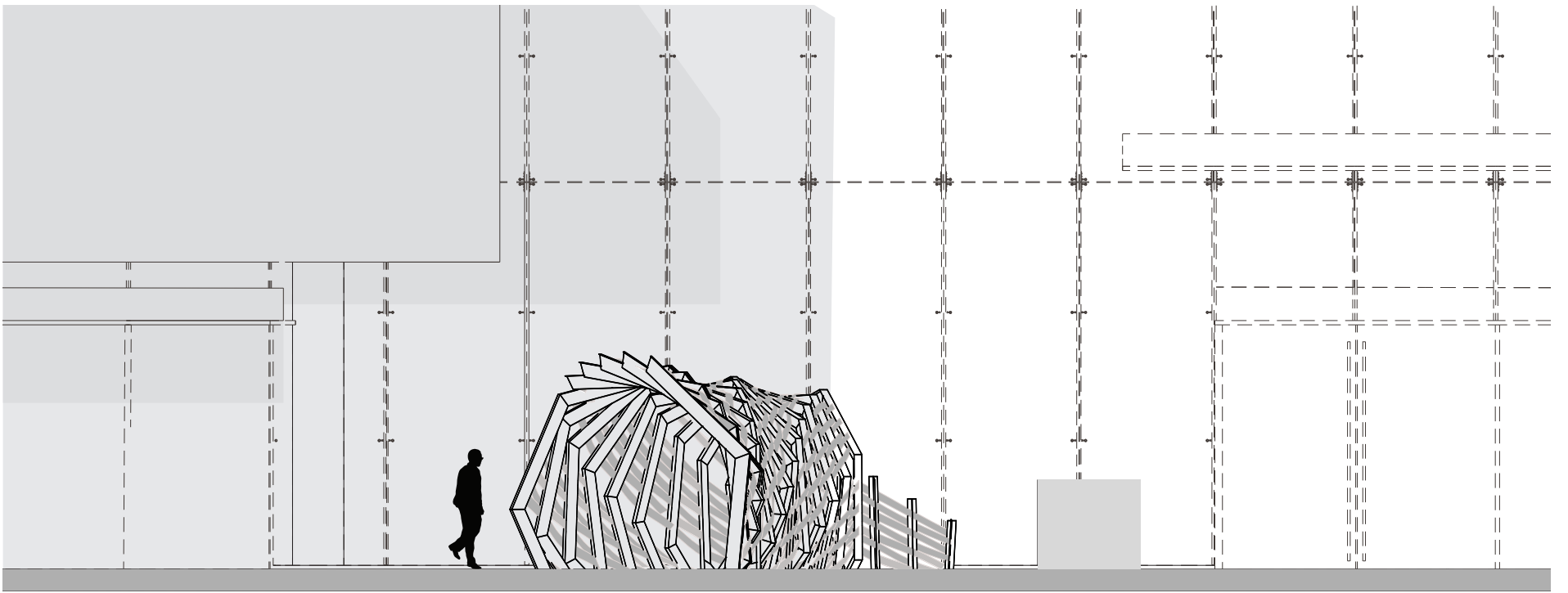
SITE CITY TECH ACADEMIC COMPLEX, 285TH JAY STREET, BROOKLYN, NY

BRIEF

A PAVILION DESIGNED, FOR THE CITY TECH FOUNDATION; SHOWCASED AMONGST MANY OTHER PROJECTS FROM OTHER PROGRAMS OFFERED BY THE COLLEGE DURING THE FALL 2019, BEST OF NEW YORK AWARDS CELEBRATION.



PAVILION ENTRANCE

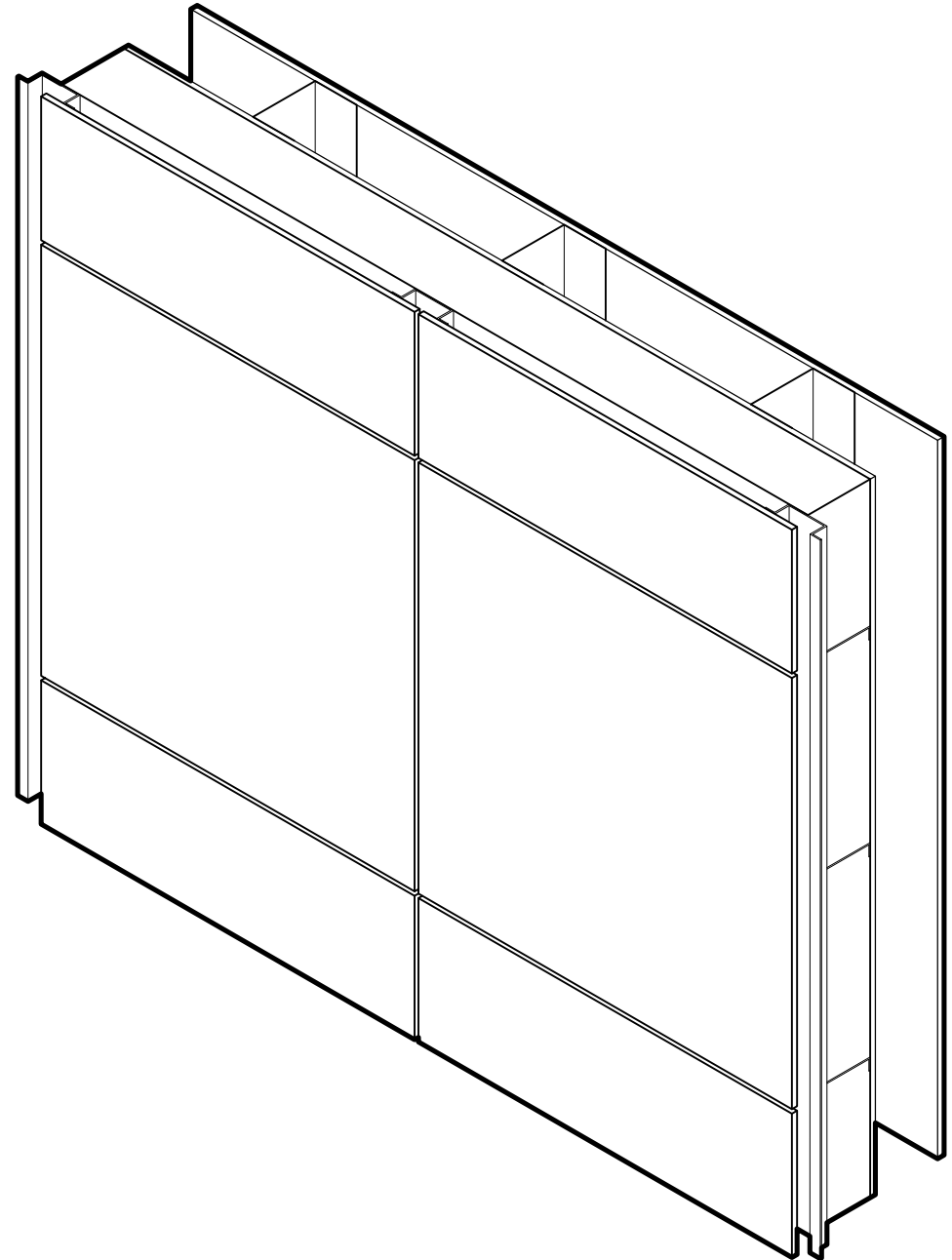
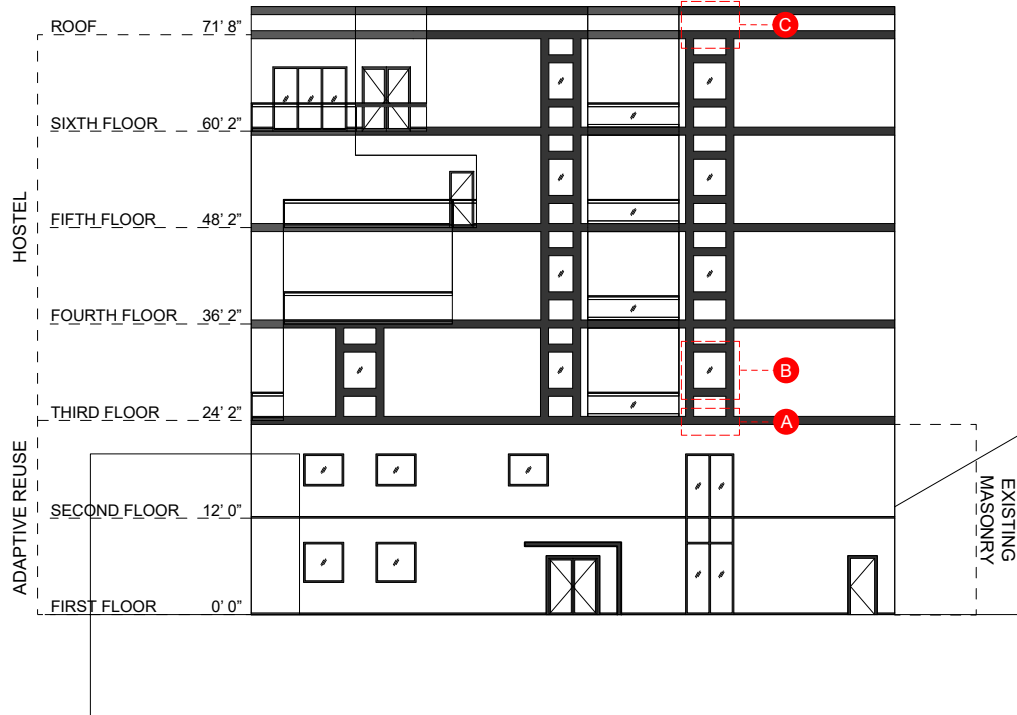


ELEVATIONS



PHOTOGRAPHS

06 GOWANUS HOSTEL CONSTRUCTION DETAILS

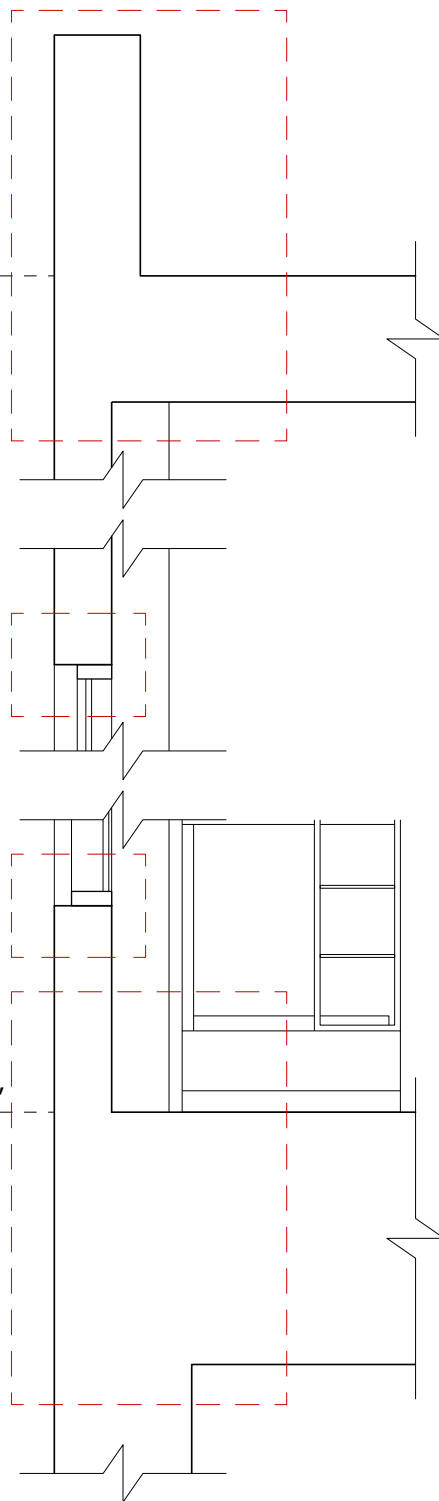


TECHNICAL DRAWINGS

THIS IS AN ADAPTIVE REUSE PROJECT LOCATED IN THE HISTORIC GOWANUS NEIGHBORHOOD OF BROOKLYN, NY. BECAUSE OF ITS LOCATION, THE USE OF CONCRETE TO REINFORCE THE HISTORY OF THE NEIGHBORHOOD AND ALUMINUM TO EXPRESS THE REVITALIZATION OF THE AREA. BECAUSE THE BUILDING IS SITUATED NEXT TO THE CANAL AND IS SUSCEPTIBLE TO WATER DAMAGE. THE MATERIALS THAT WERE CHOSEN FOR THE CONSTRUCTION THE FACADE ARE TO AID IN MITIGATING THE DAMAGE OF THE WALL.

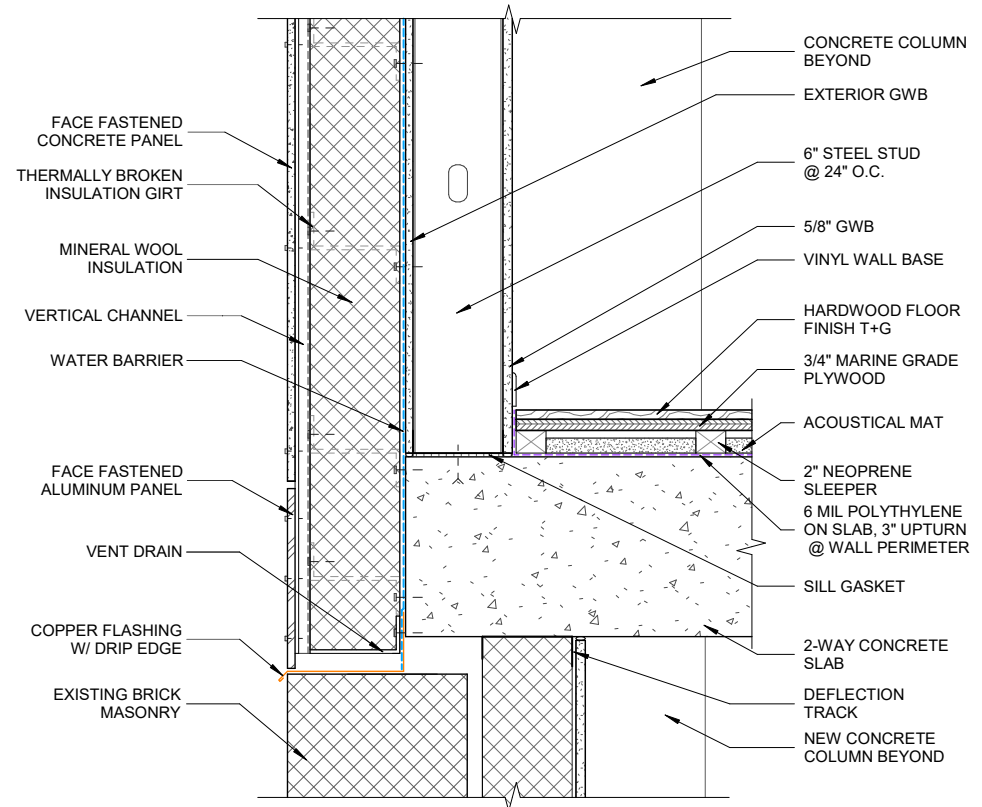
CALLOUT A

ROOF 71'8"



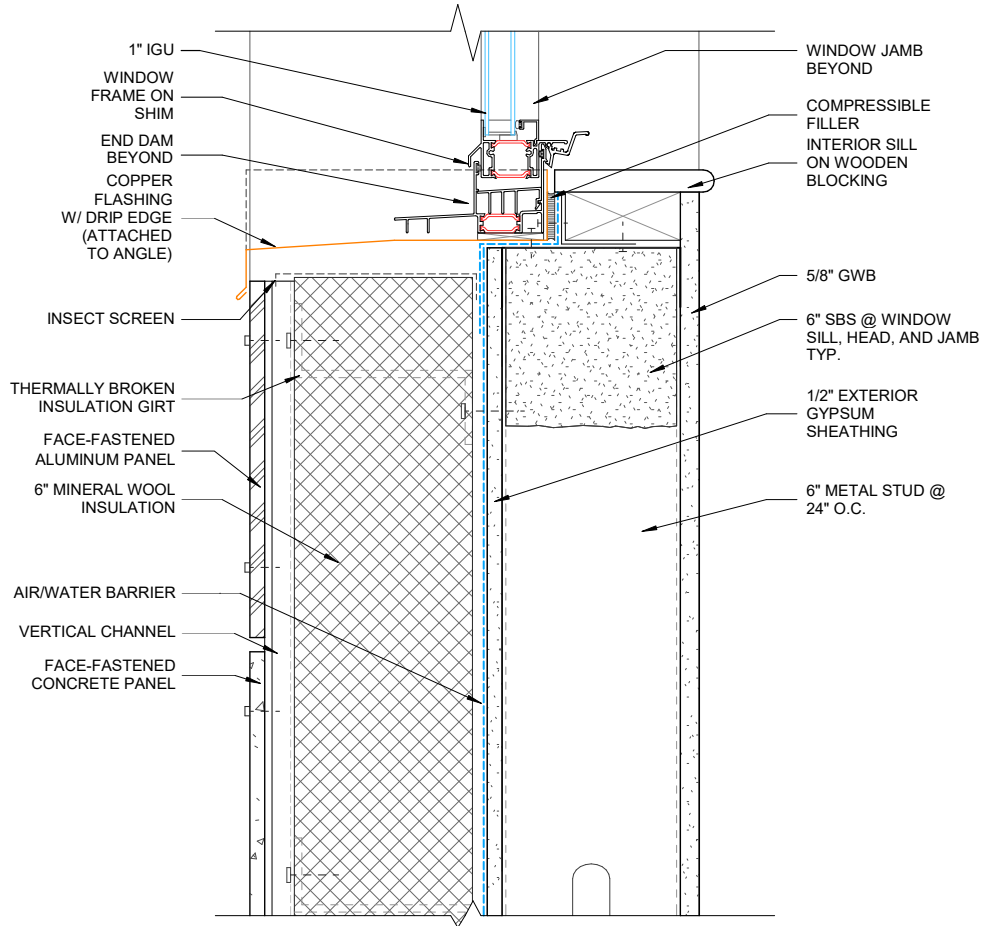
THIRD FLOOR 24'2"

WALL SECTION



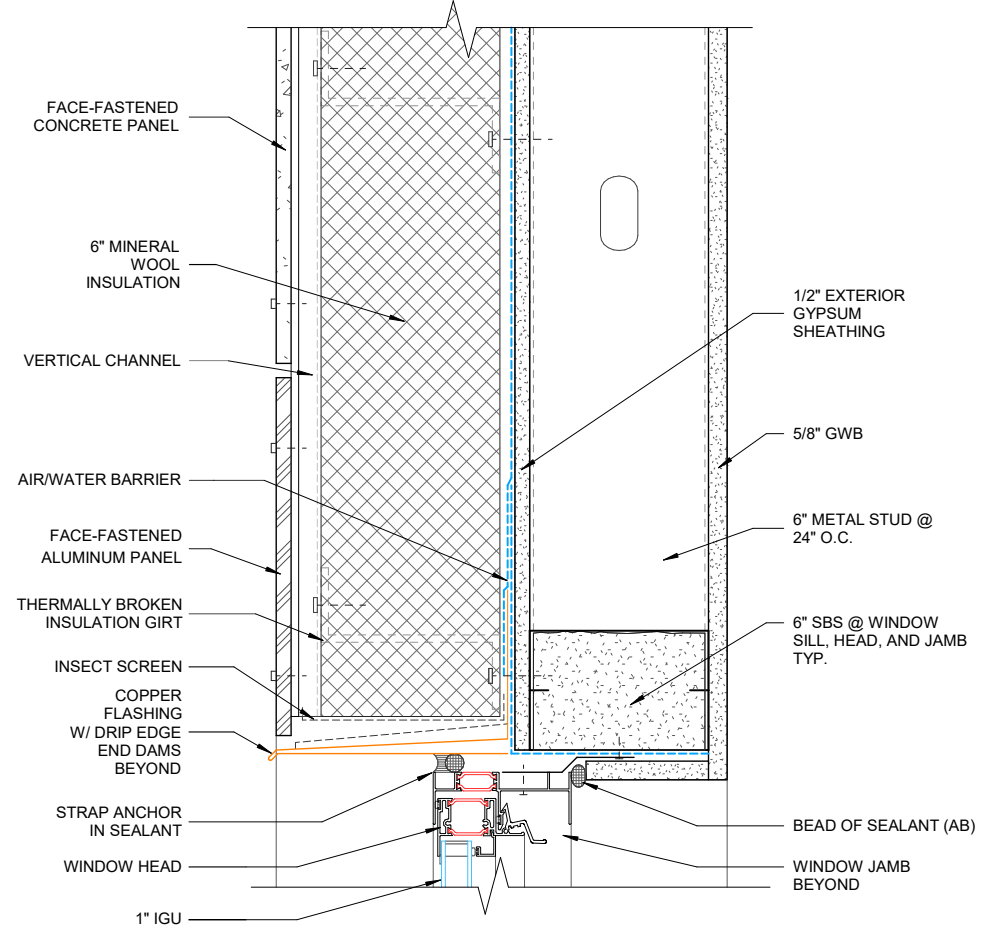
BASE OF WALL

CALLOUT B-1



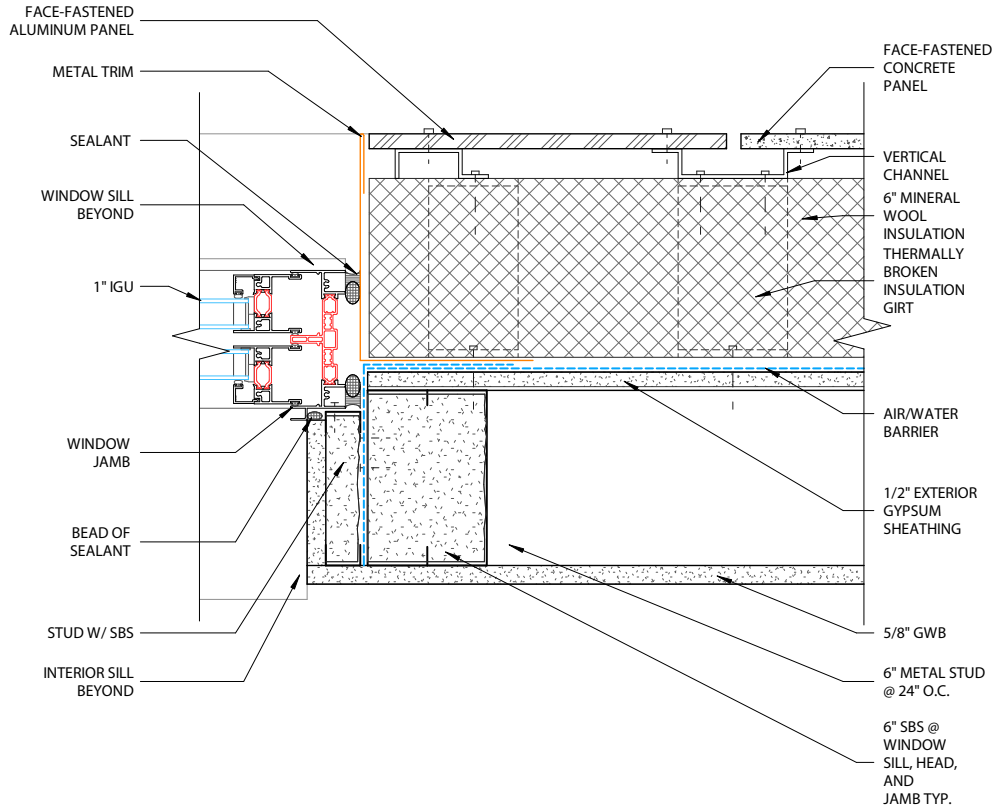
TYP. WINDOW SILL

CALLOUT B-2



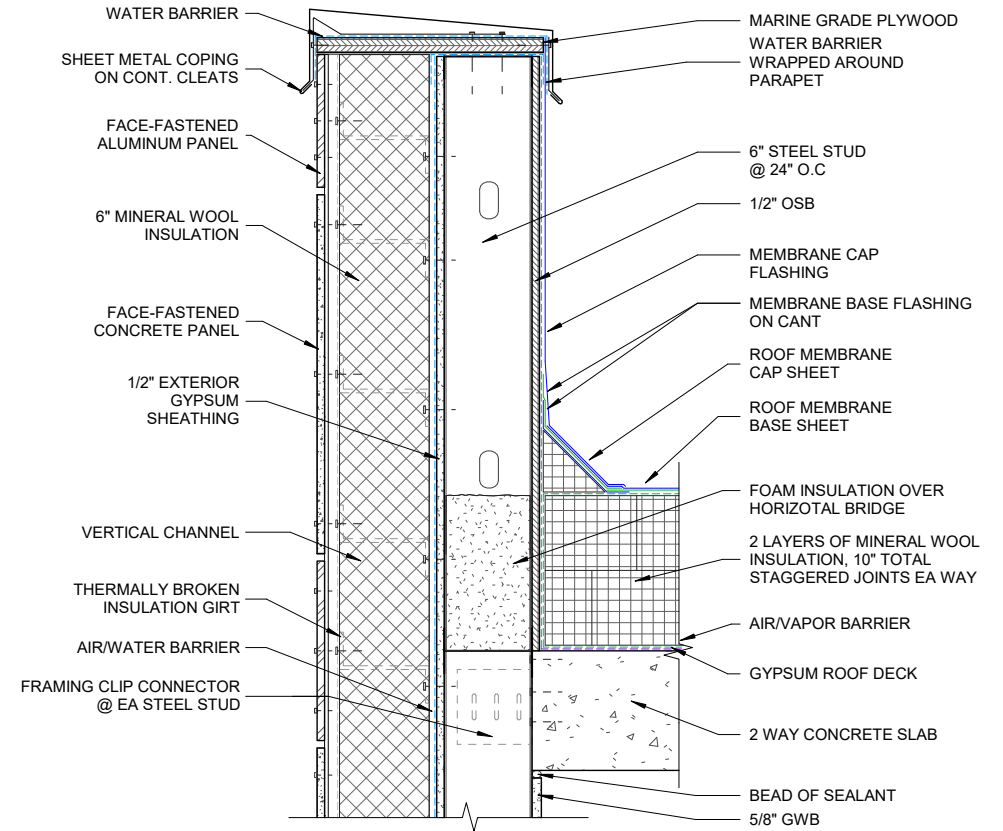
TYP. WINDOW HEADER

CALLOUT B-3



TYP. WINDOW JAMB DETAIL

CALLOUT C



PARAPET DETAIL