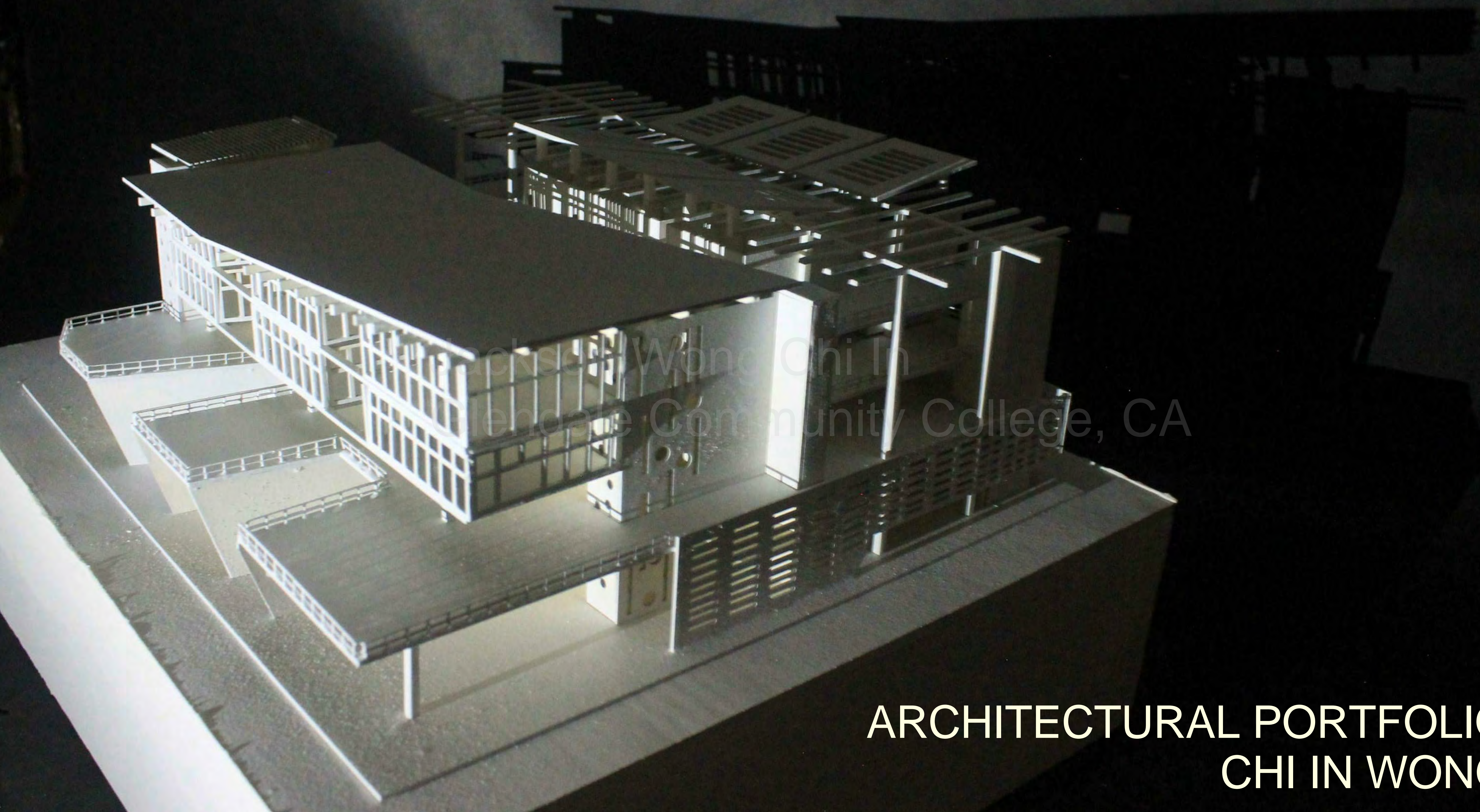


GLENDALE COMMUNITY COLLEGE
2014-2016



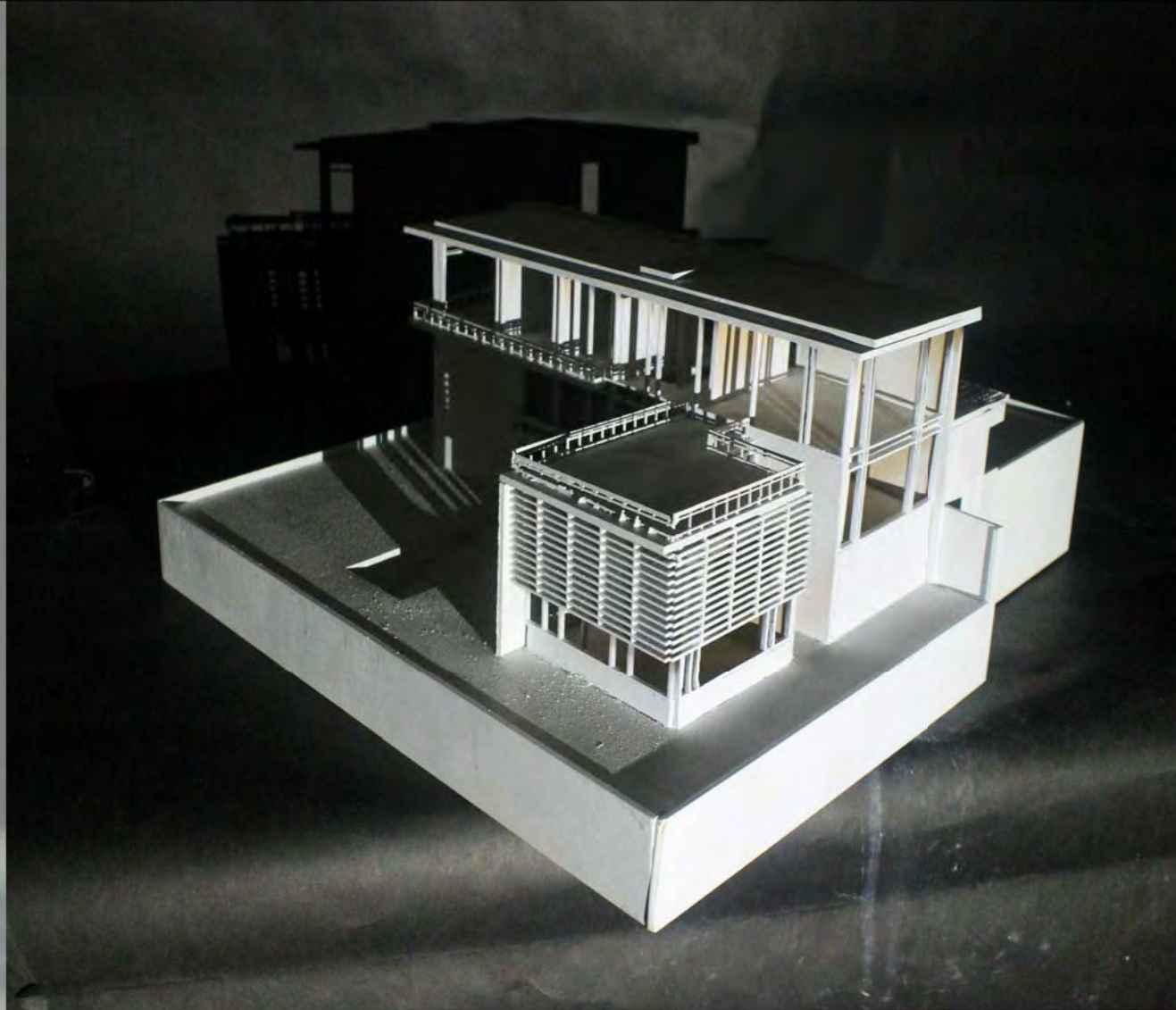
Jackson Wong Chi In
Glendale Community College, CA

ARCHITECTURAL PORTFOLIO
CHI IN WONG

CONTENT

1 RESIDENTIAL CASE
STUDY HOUSE
SHENZHEN, CHINA

1-4



5 RESIDENTIAL
DESIGN
GLENDALE, CA

5-8



9 MIX-USE CASE
STUDY PROJECT
MIAMI BEACH, FL

9-14



15 MIX-USE
COMMERCIAL
DESIGN
LITTLE TOKYO, CA

15-22

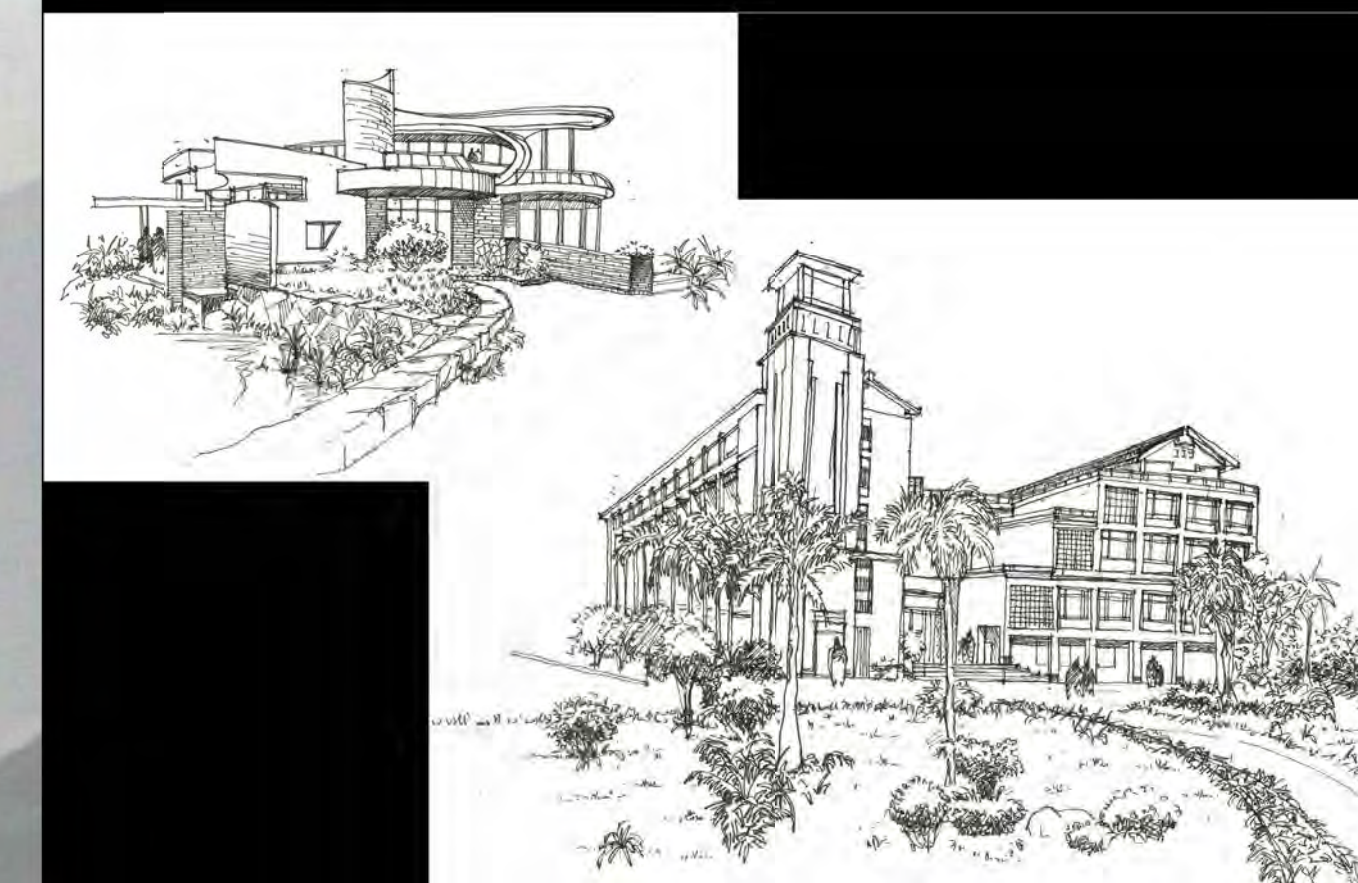


23 DISPLAY CASE

23-24



25 SKETCHES



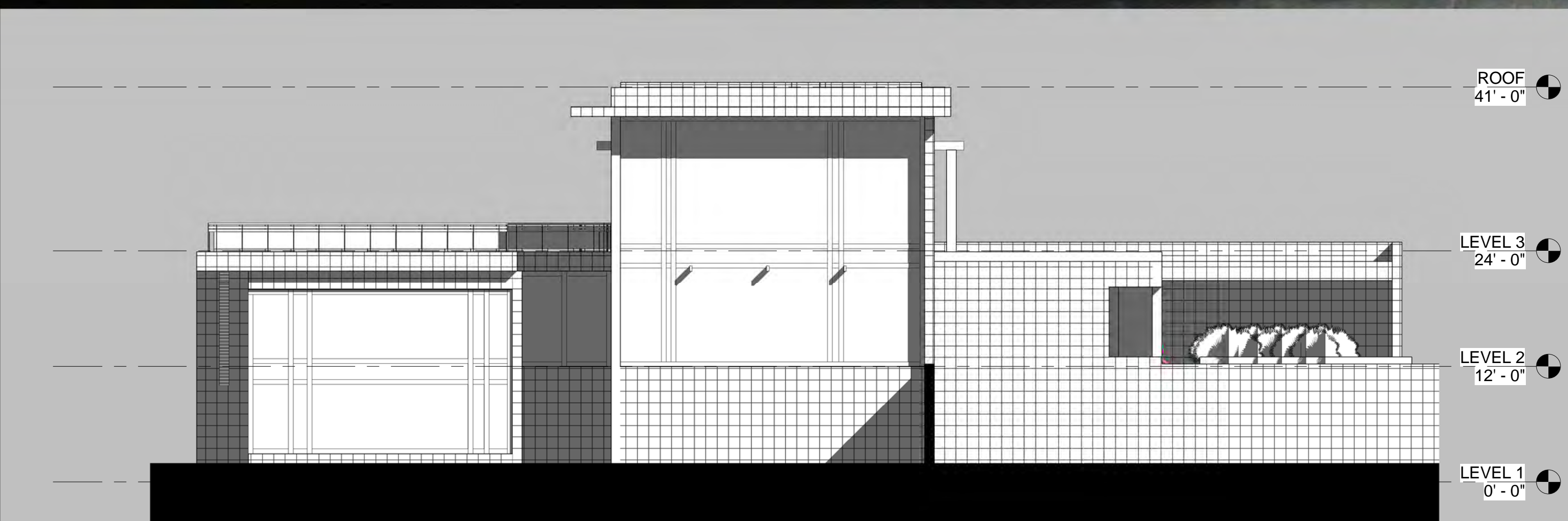
CASE STUDY: HOUSE IN SHENZHEN, CHINA

THE HOUSE WAS DESIGNED BY RICHARD MEIER. IT IS A LUXURY RESIDENTIAL THREE BEDROOM HOUSE IT IS LOCATED ON A STEEP ROLLING LANDSCAPE OF MOUNTAINS AND VALLEYS. THE RANGE OF SIZES IS BETWEEN 600 TO 1,000 SQUARE METERS.

EXTERIOR SPACES ARE INTEGRATED WITH THE BUILDING STRUCTURE WITH BALCONIES AND TERRACES ALONG THE SOUTHERN FACADES, WITH OVERHANGS AND CANOPIES PROTECTING THE OUTDOOR SPACES.



PHOTO FROM NORTH-WEST CORNER, 1/8"=1'-0" MODEL



EAST ELEVATION

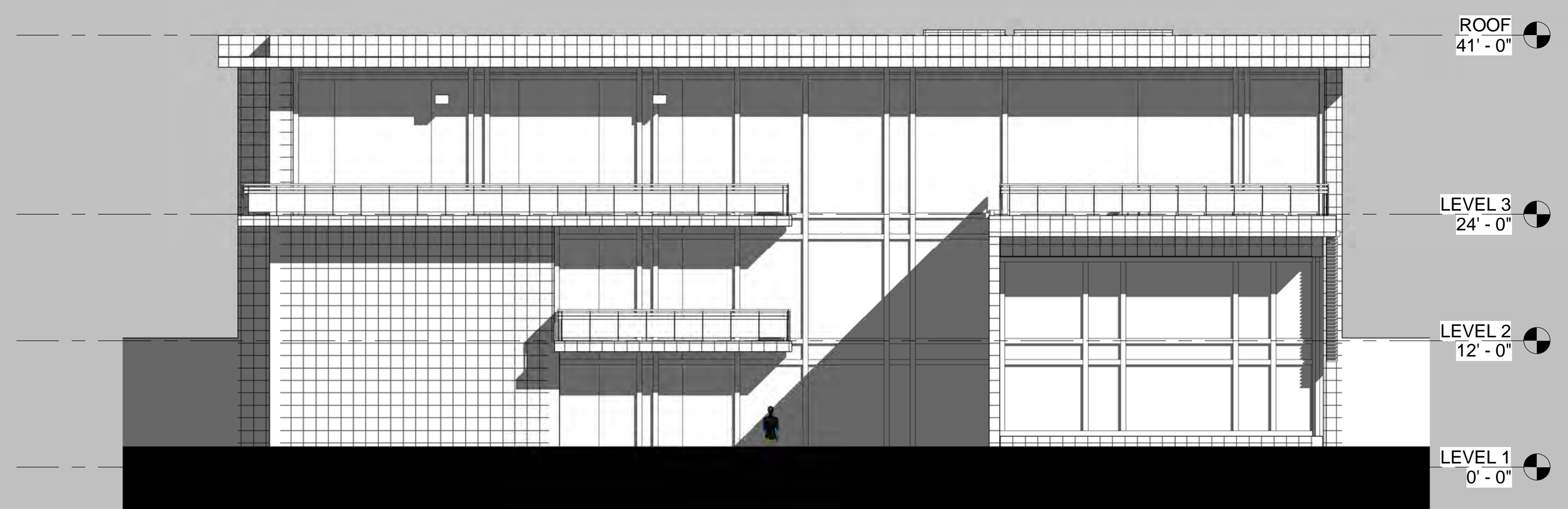


NORTH ELEVATION

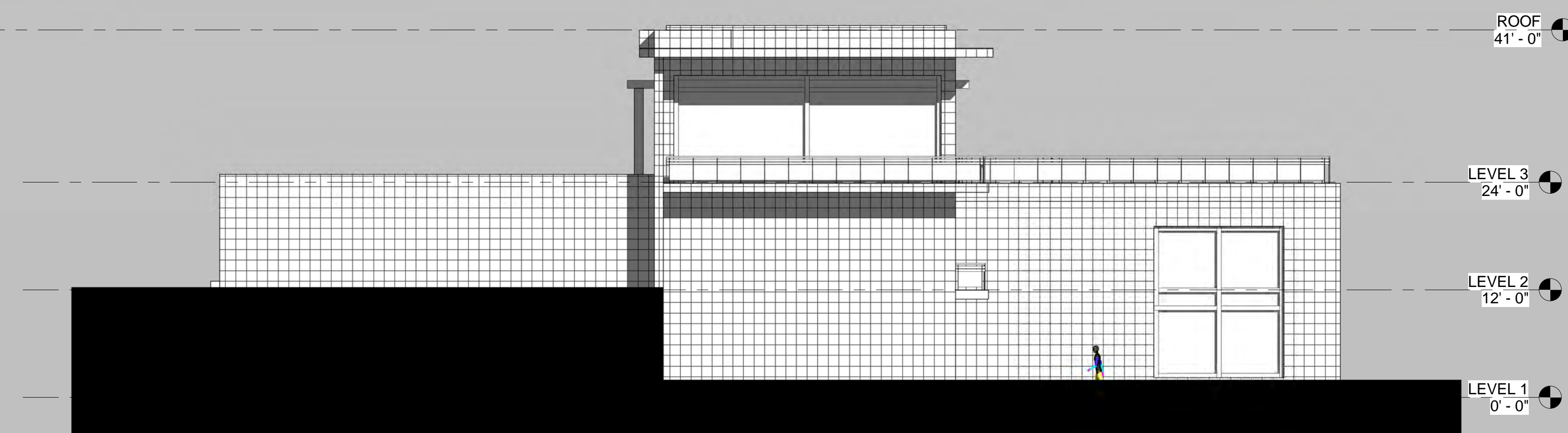
Jackson Wong Chi In
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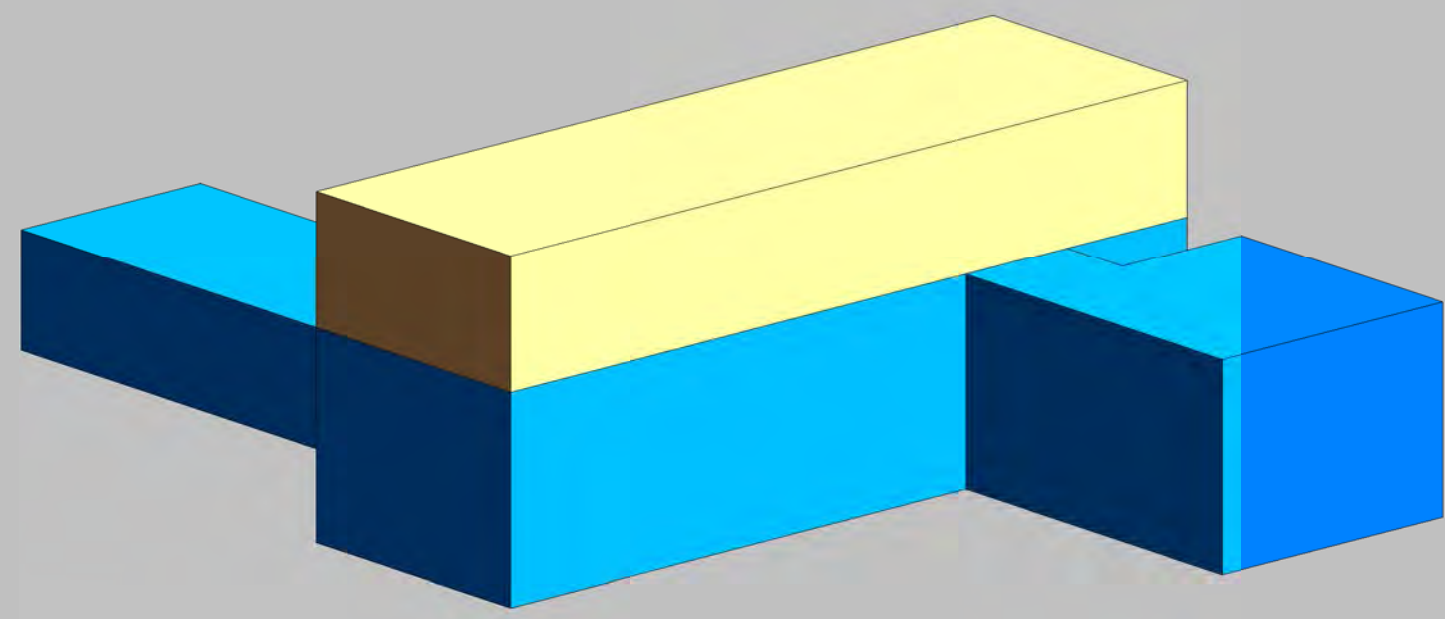
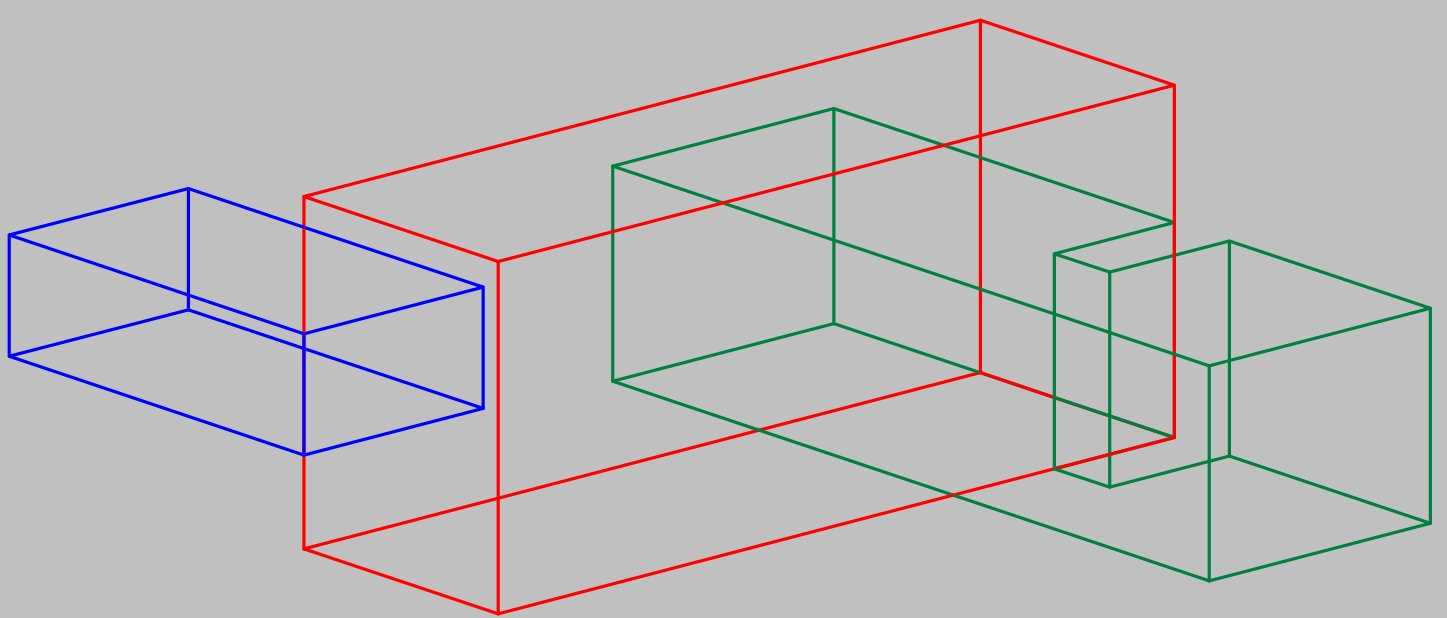
PHOTO FROM SOUTH-WEST CORNER, 1/8"=1'-0" MODEL



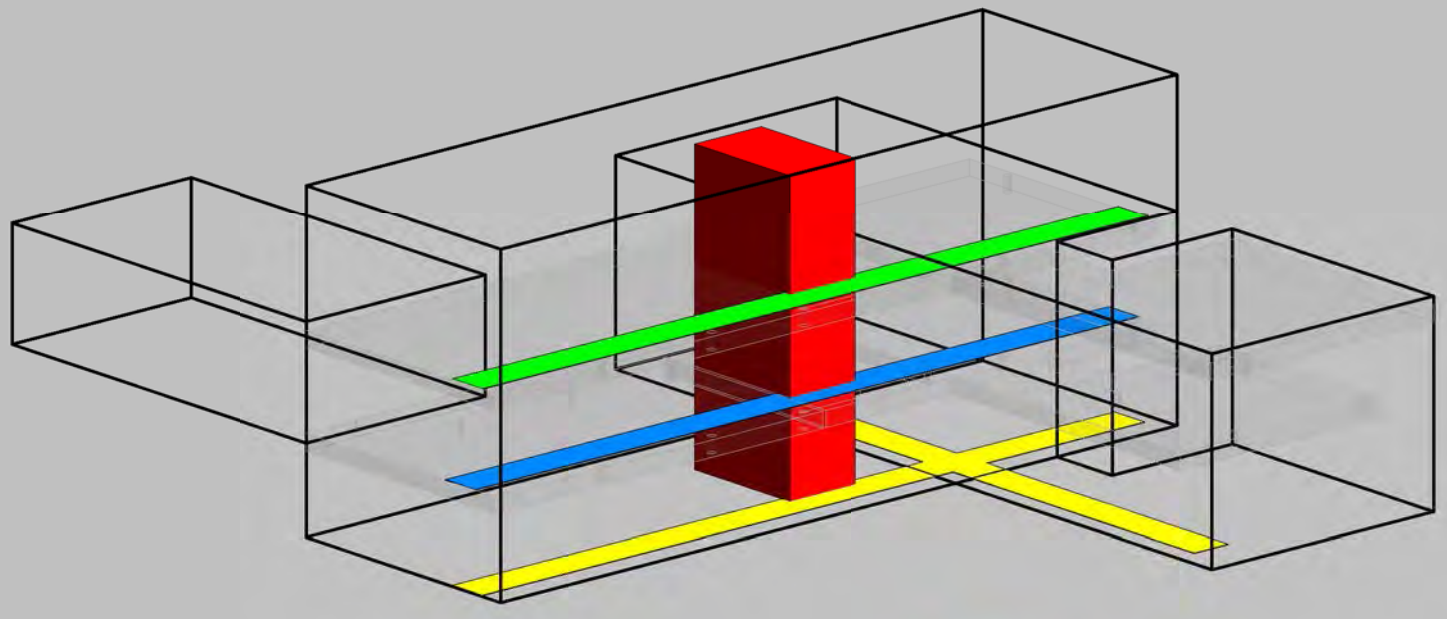
SOUTH ELEVATION



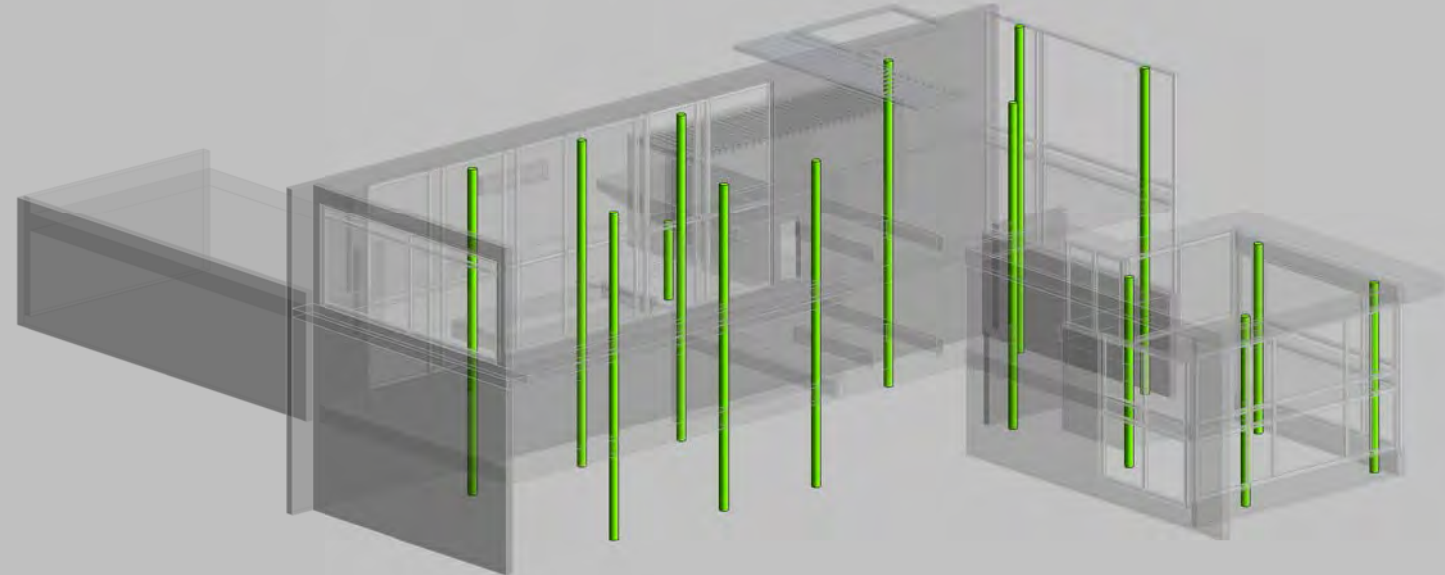
WEST ELEVATION



■ PUBLIC
■ PRIVATE



■ STAIRCASE
■ LEVEL 1 CIRCULATION
■ LEVEL 2 CIRCULATION
■ LEVEL 3 CIRCULATION

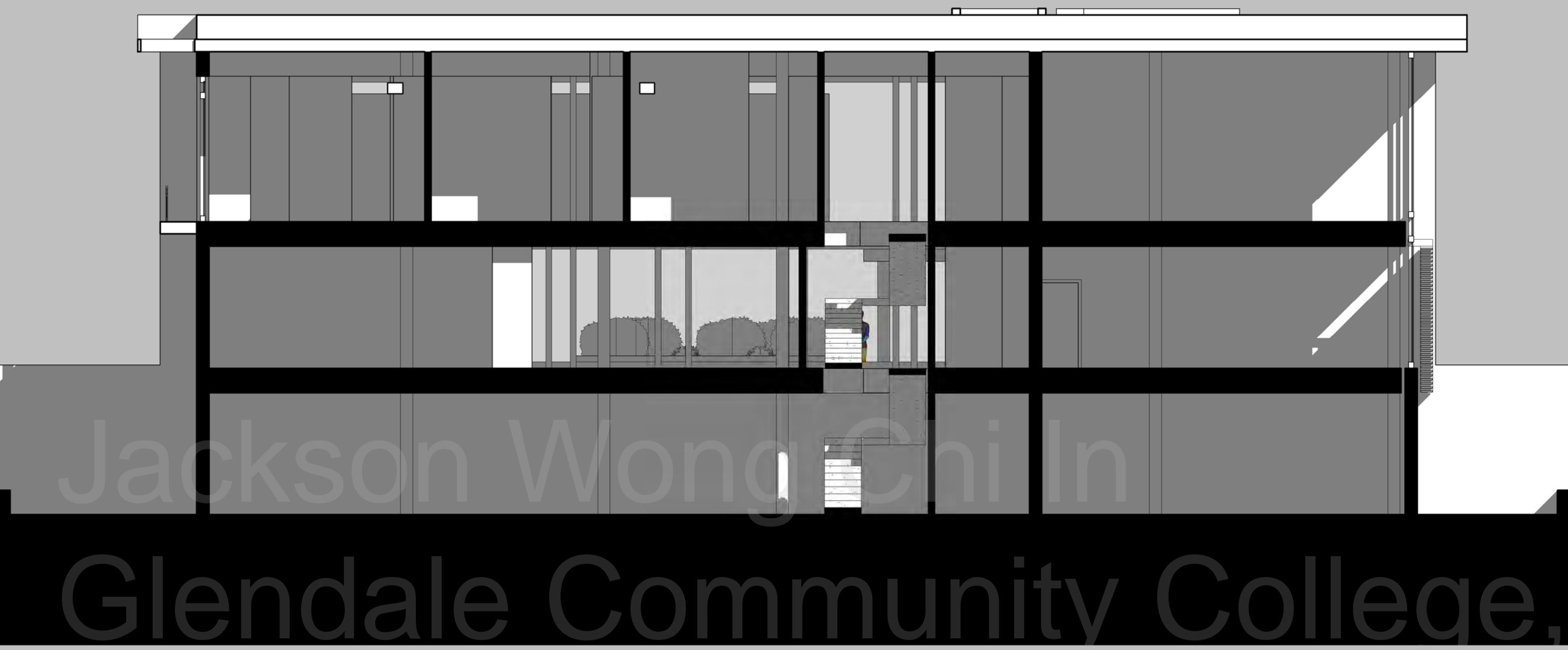


PARTI DIAGRAM-STACKING VOLUME

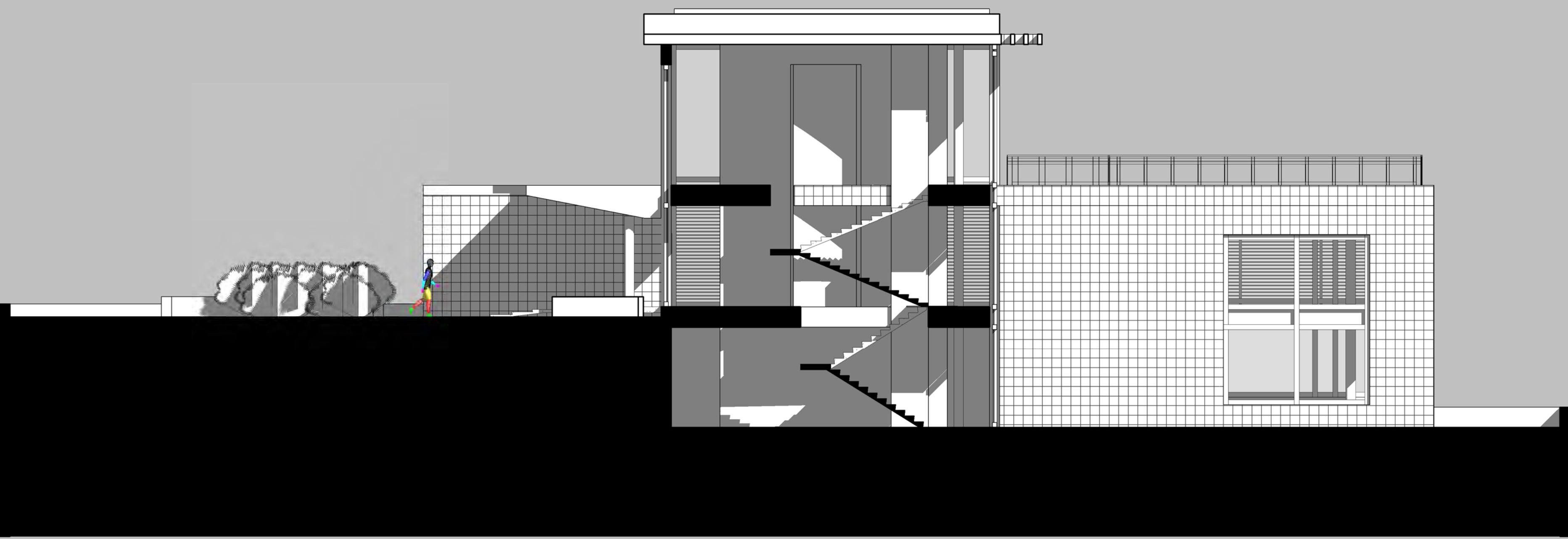
PROGRAM DIAGRAM

CIRCULATION DIAGRAM

STRUCTURAL DIAGRAM



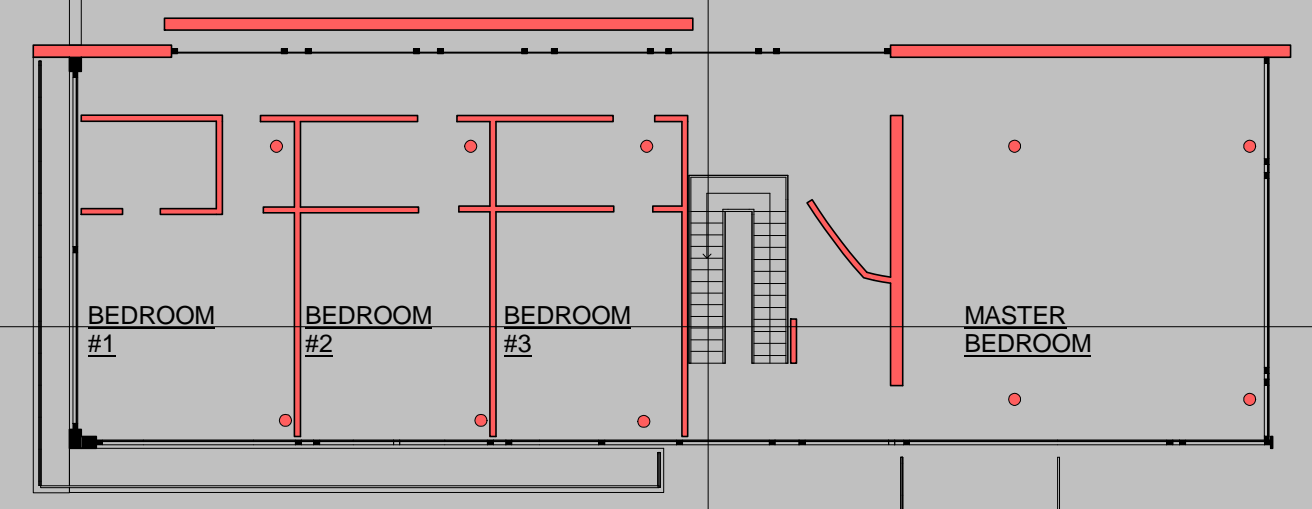
EAST - WEST SECTION



SOUTH - NORTH SECTION

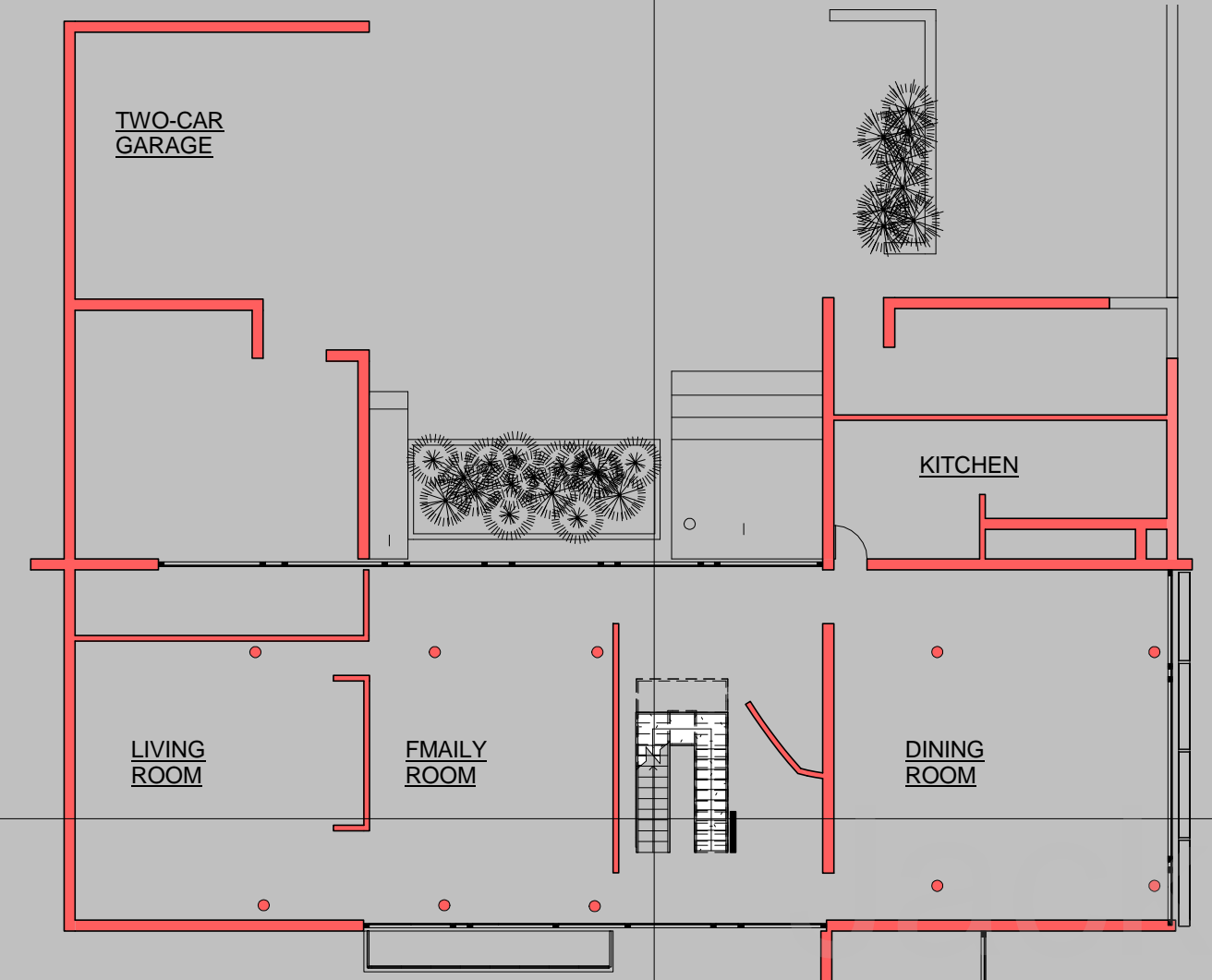
SOUTH-NORTH SECTION

EAST-WEST SECTION



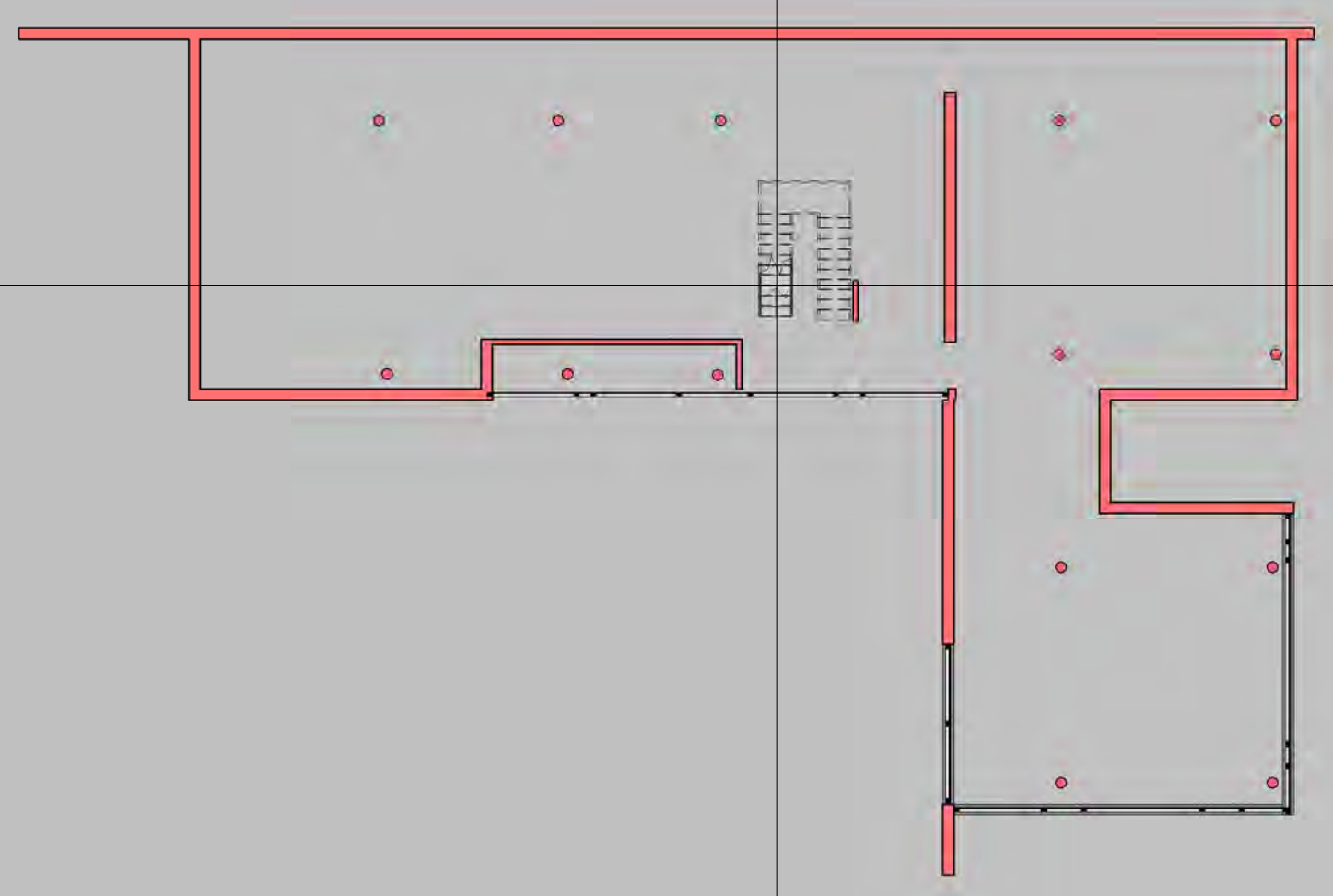
LEVEL 3
0' 4' 12'

EAST-WEST SECTION

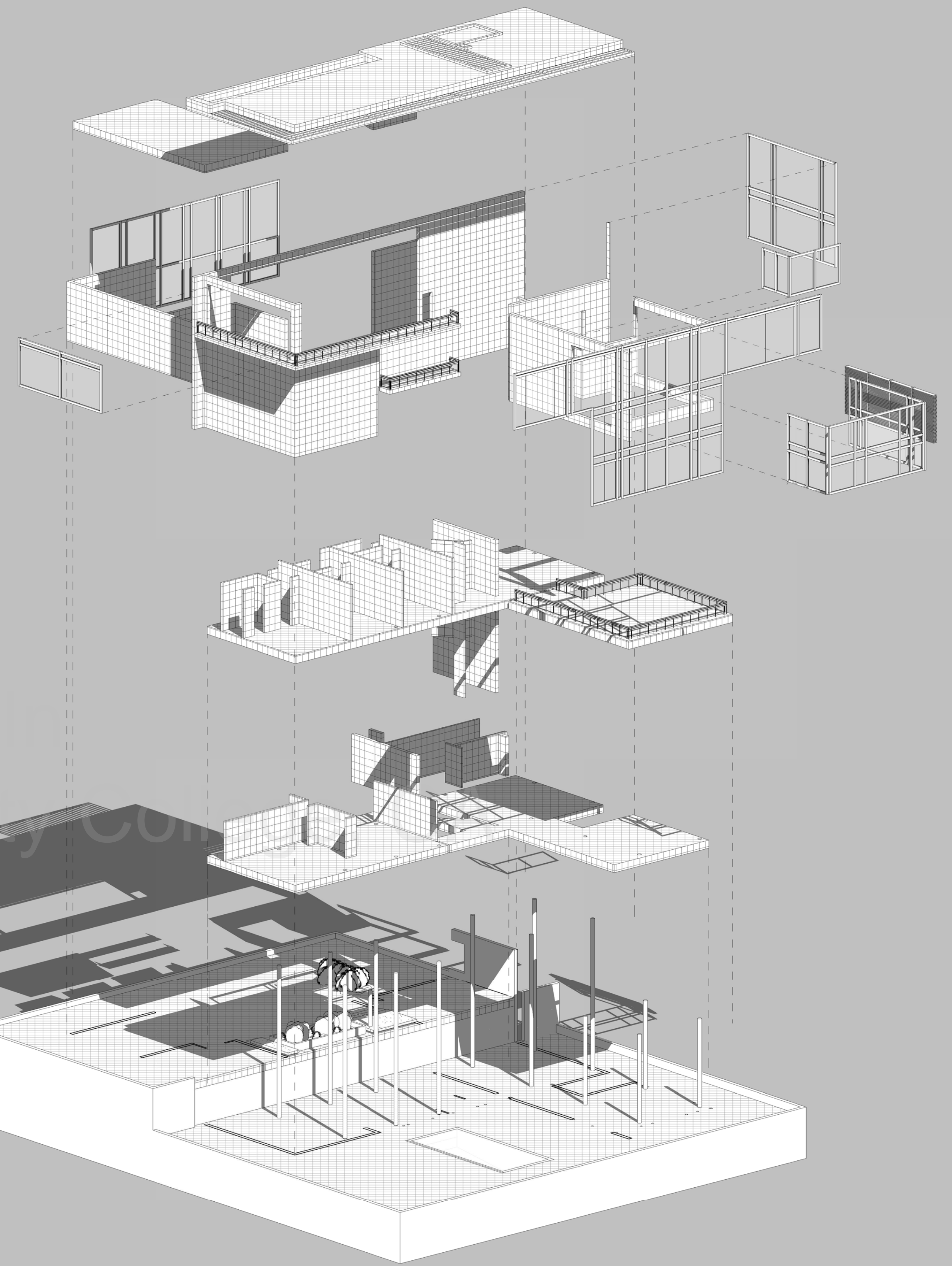


LEVEL 2
0' 4' 12'

EAST-WEST SECTION



LEVEL 1
0' 4' 12'



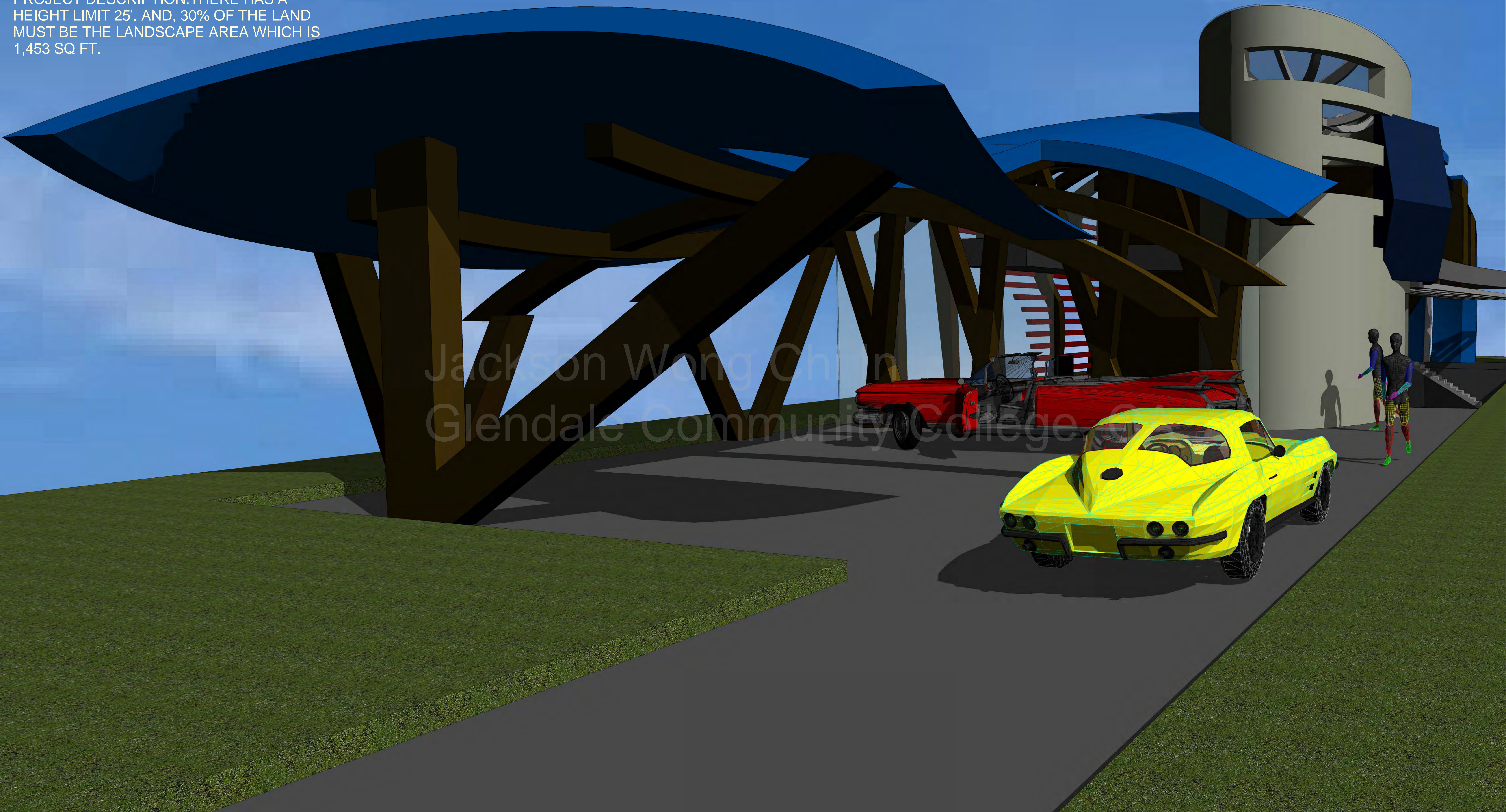
EXPLODED VIEW

HOUSE FOR A MOTORCYCLIST

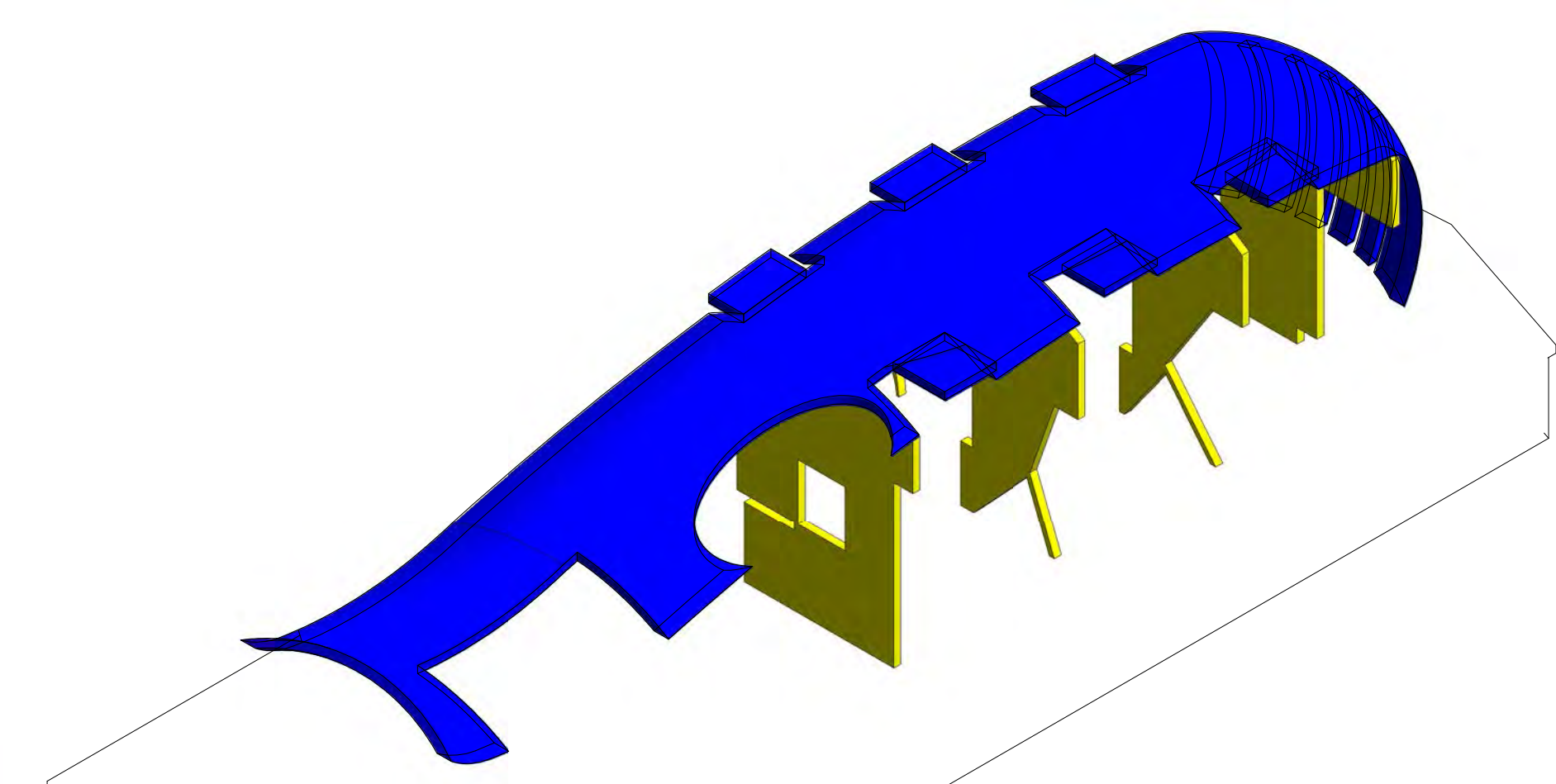
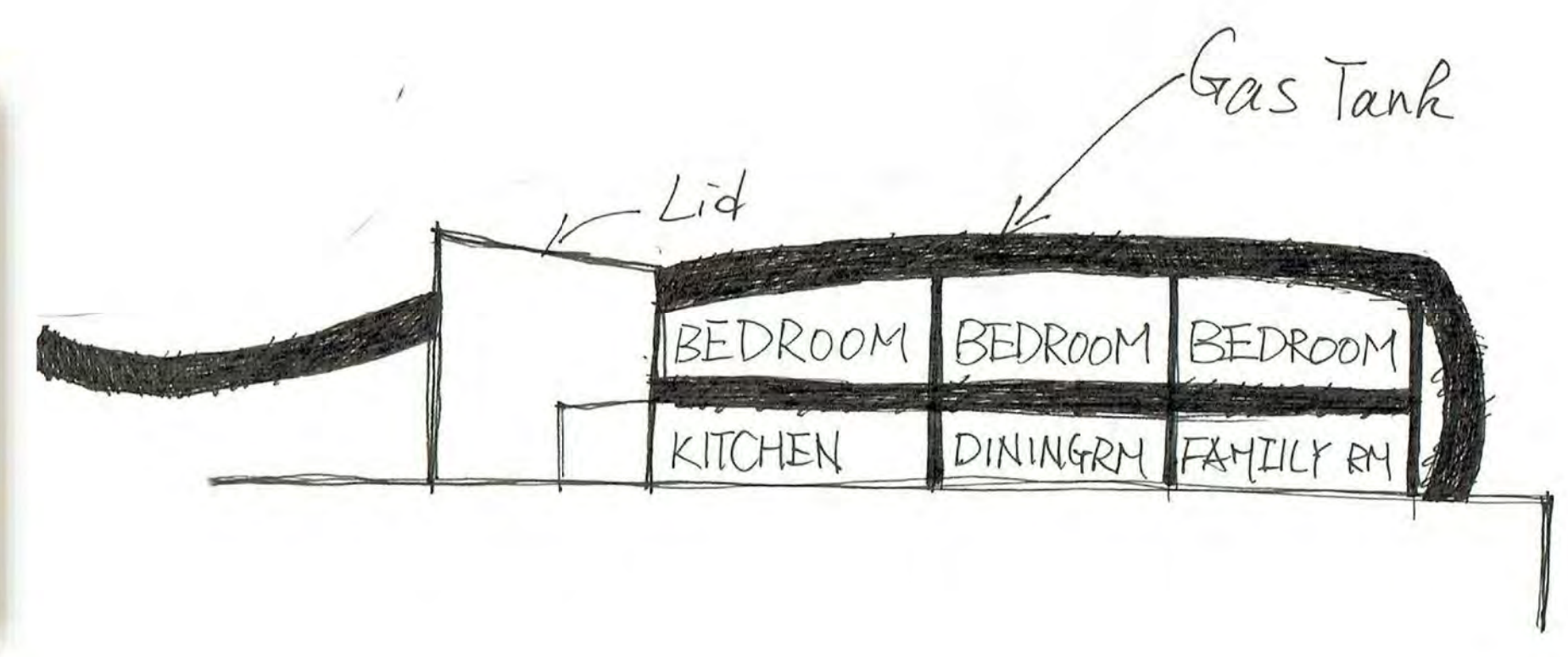
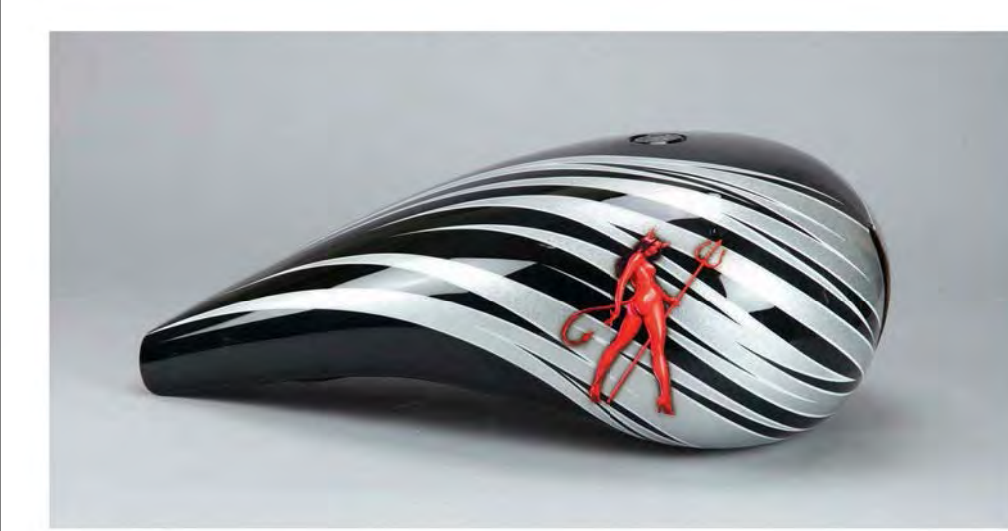
SITE LOCATION: 708 E.PALMER AVENUE,
GLENDALE, CA

SITE INFORMATION: SITE AREA 8,082 SQ FT.
8' SETBACK AT THE SIDE AND REAR. 25'
SETBACK AT THE FRONT. AFTER THE
SETBACK, THERE HAS 5,143 SQ FT LEFT.

PROJECT DESCRIPTION: THERE HAS A
HEIGHT LIMIT 25'. AND, 30% OF THE LAND
MUST BE THE LANDSCAPE AREA WHICH IS
1,453 SQ FT.



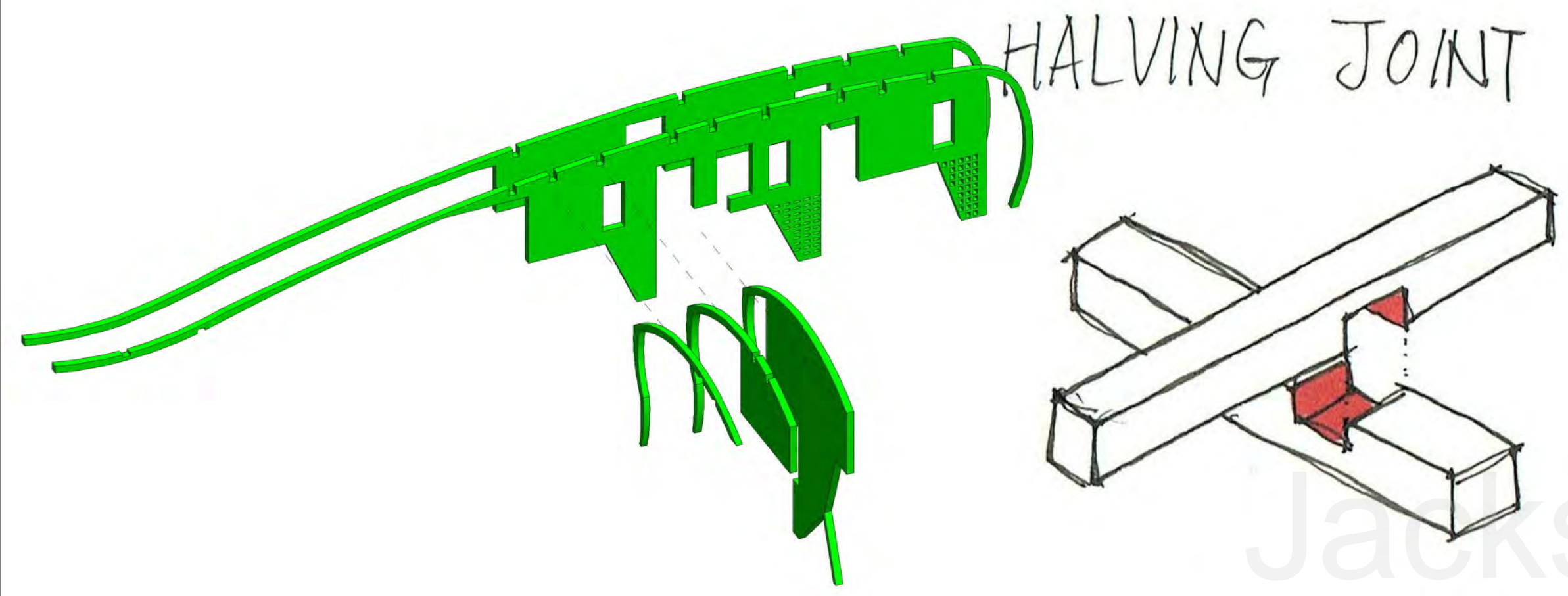
DESIGN STATEMENT: LIVING IN A GAS TANK



PARTI DIAGRAM

- THE ROOF LOOKS LIKE THE GAS TANK.

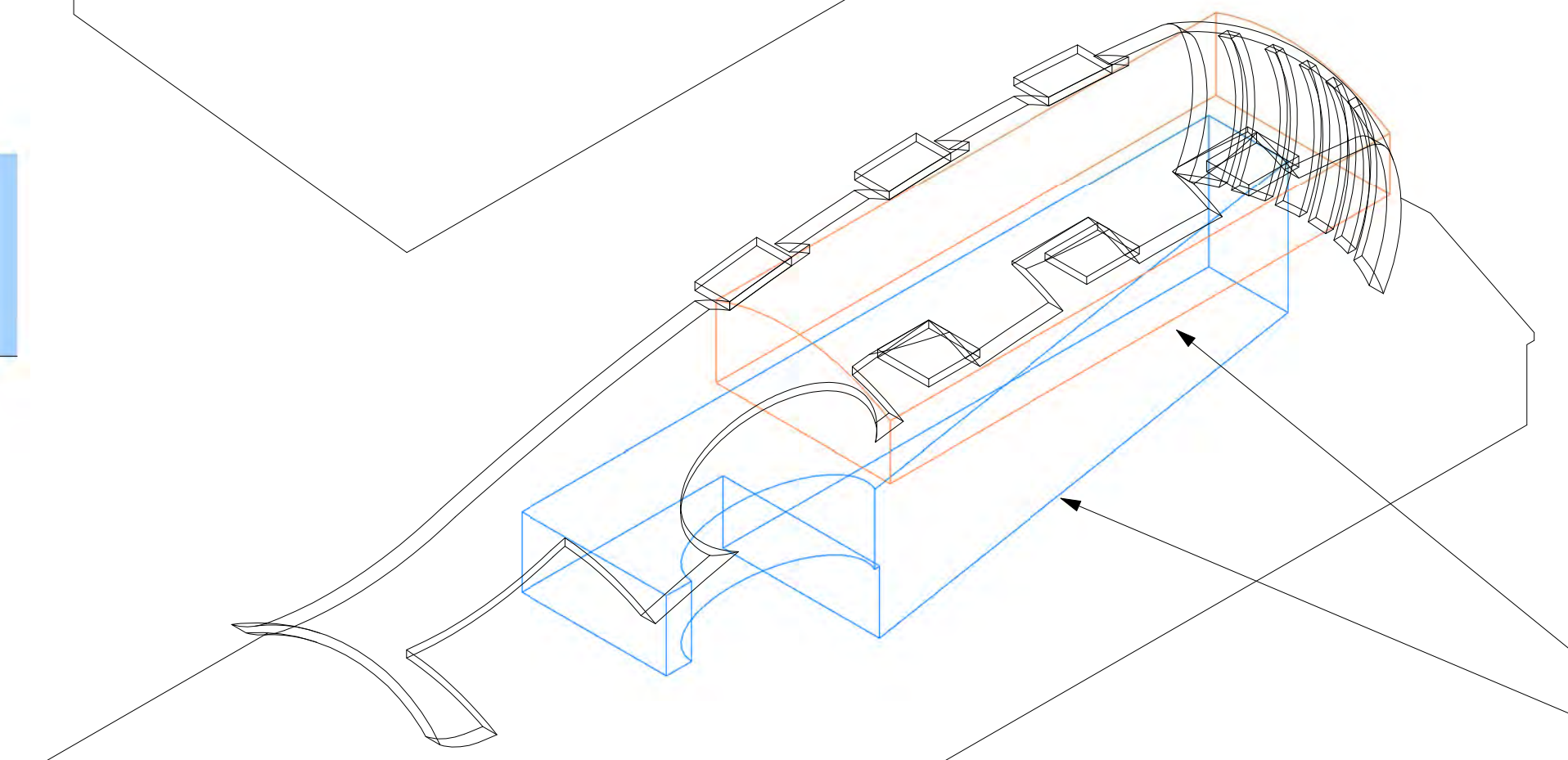
- THE WALLS ARE SIMILIAR TO THE SEPERATION INSIDE THE GAS TANK



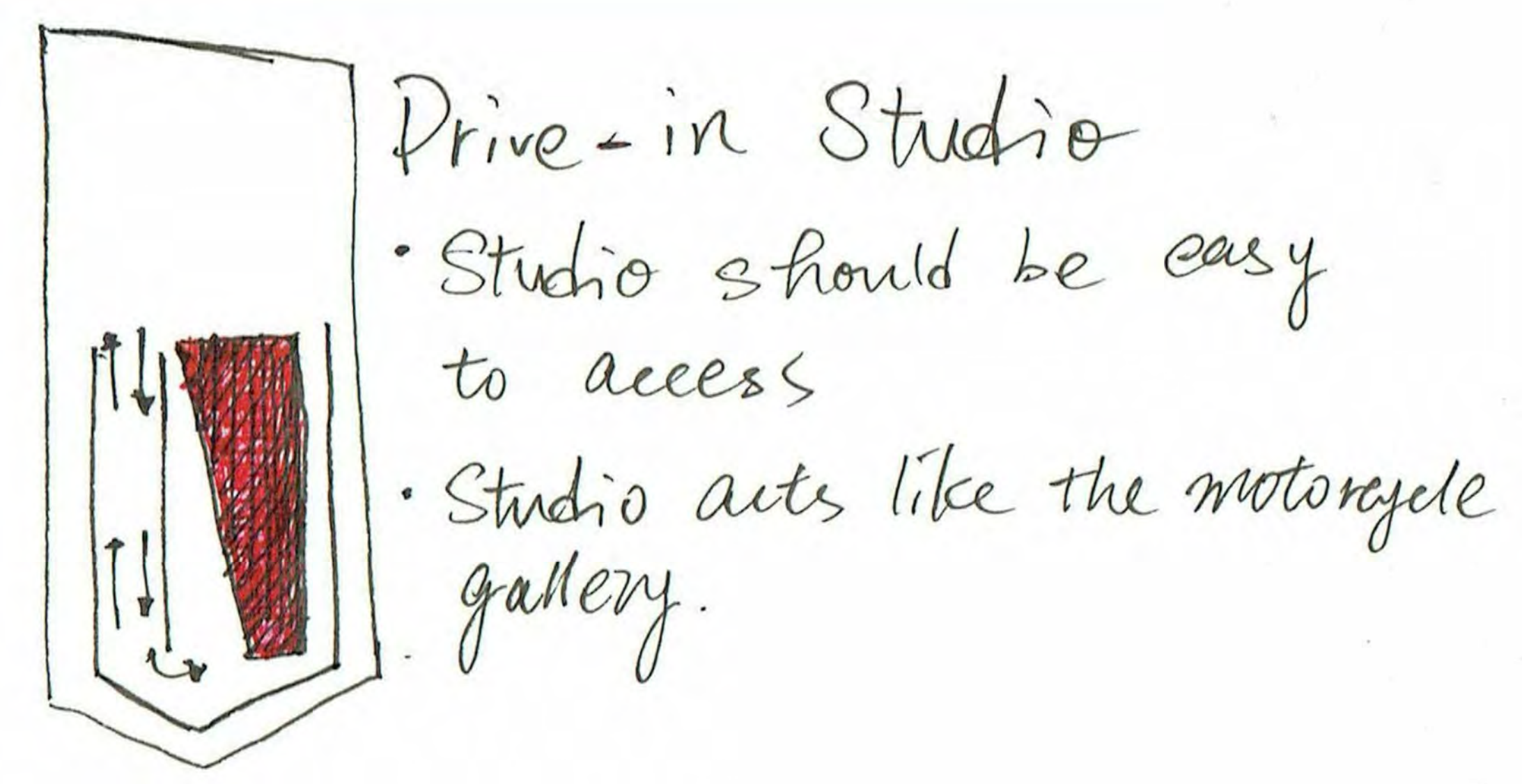
- It consists of two CHANNELS
- TWO CHANNELS CUT HALF THE THICKNESS OF BOTH PIECES.

- THE WALLS ARE INTEGRATED WITH THE FRAMING SYSTEM.

- HALVING JOINT ARE TO JOIN THE WALLS AND FRAMING WHEN THEY INTERSECT.

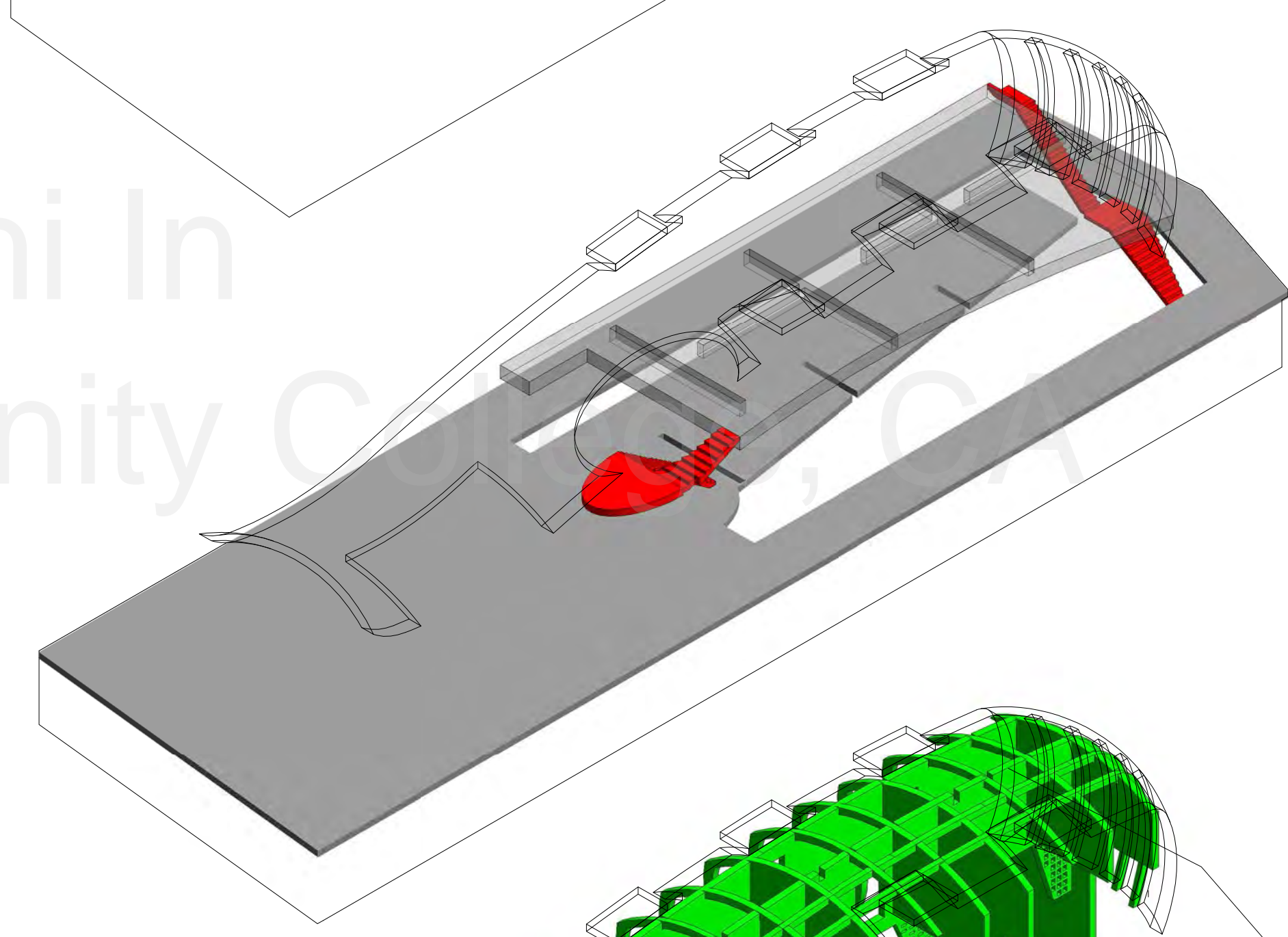


PRIVATE AREA
PUBLIC AREA
PROGRAM DIAGRAM

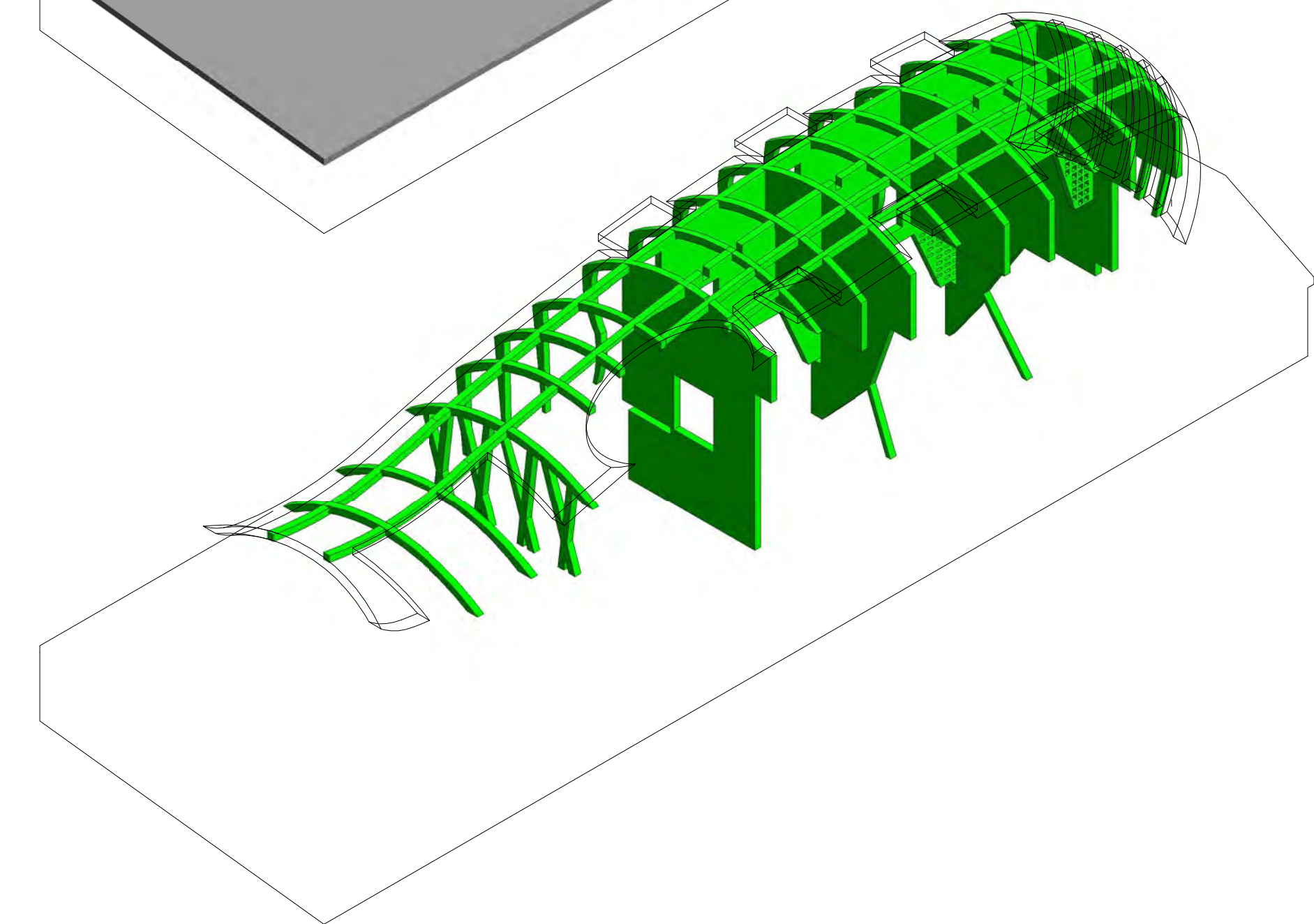


- MOTORCYCLES CAN DRIVE DIRECTLY TO THE STUDIO

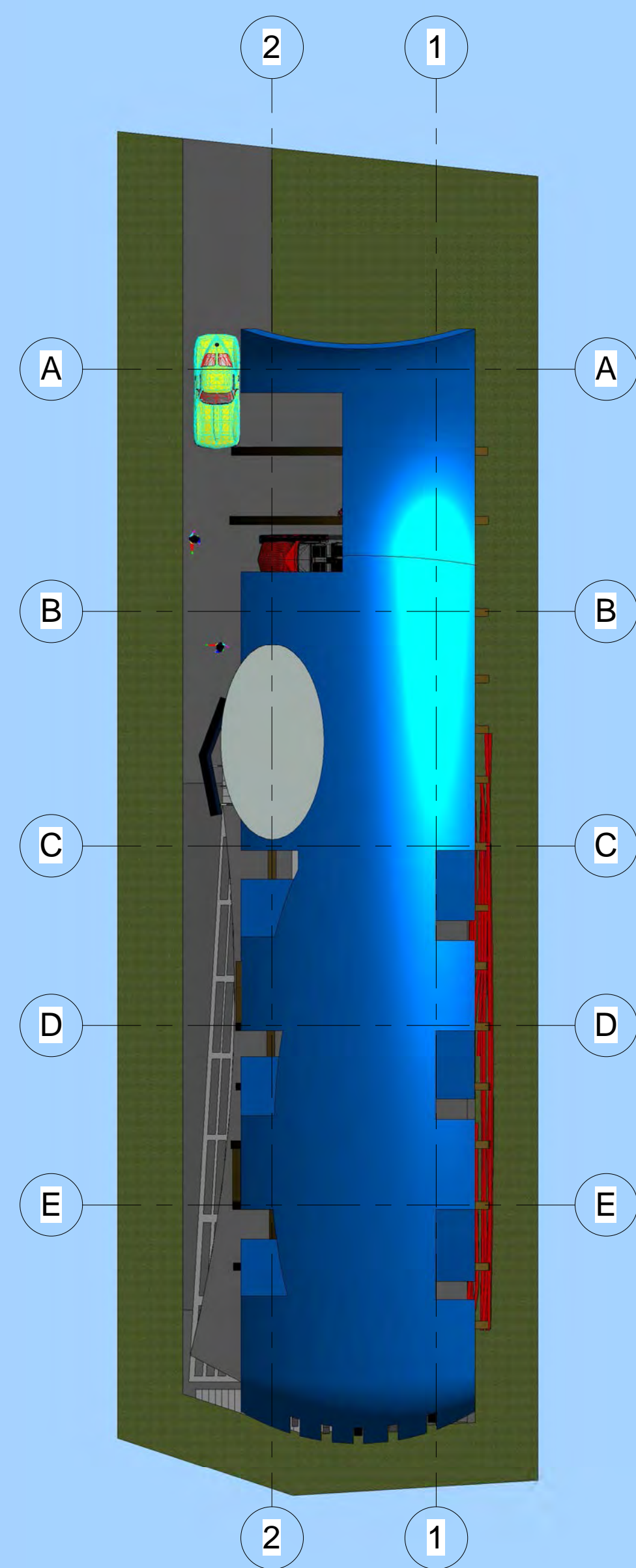
- BIG AREA FOR THE STUDIO SO THAT THE MOTORCYCLES CAN BE DISPLAYED.



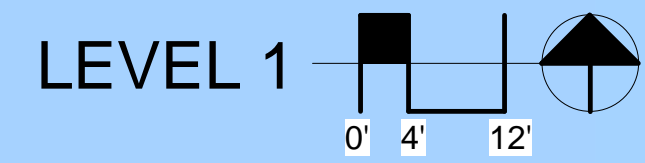
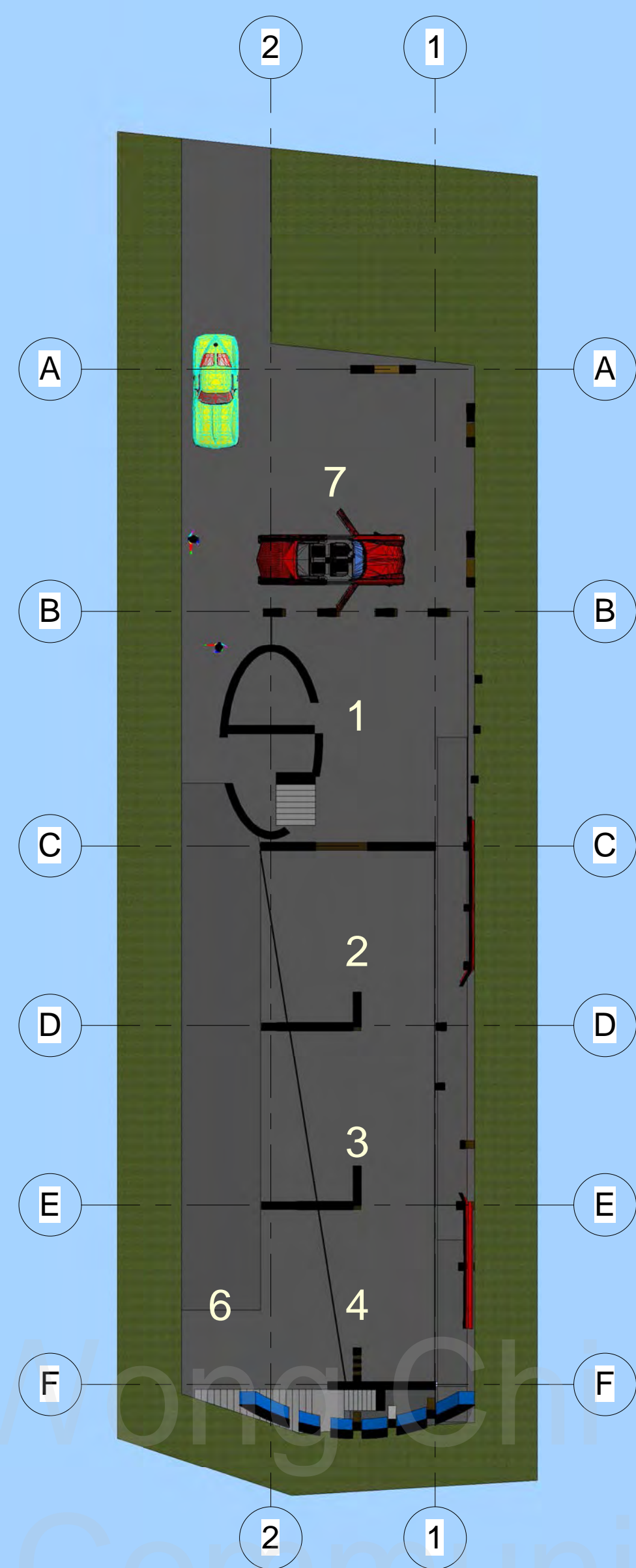
CIRCULATION DIAGRAM



STRUCTURE DIAGRAM 6

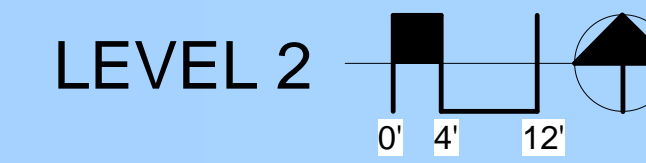
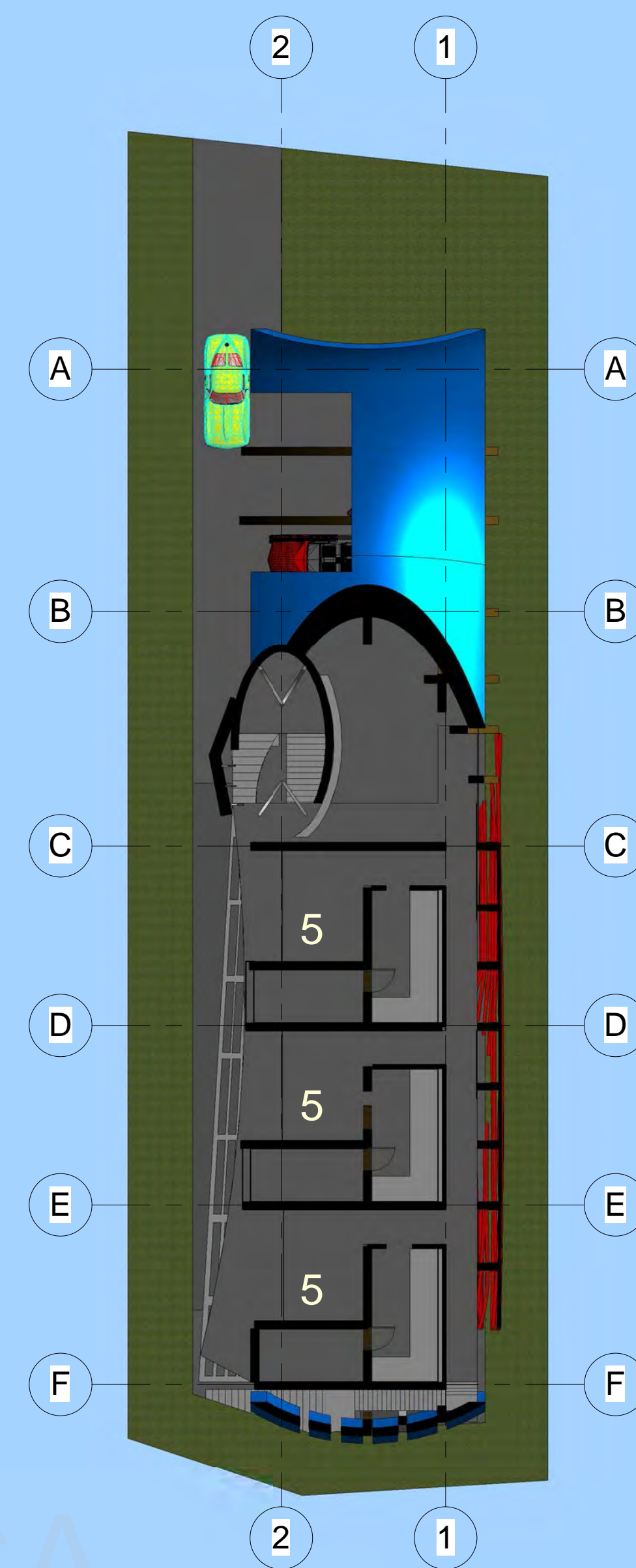


EAST ELEVATION



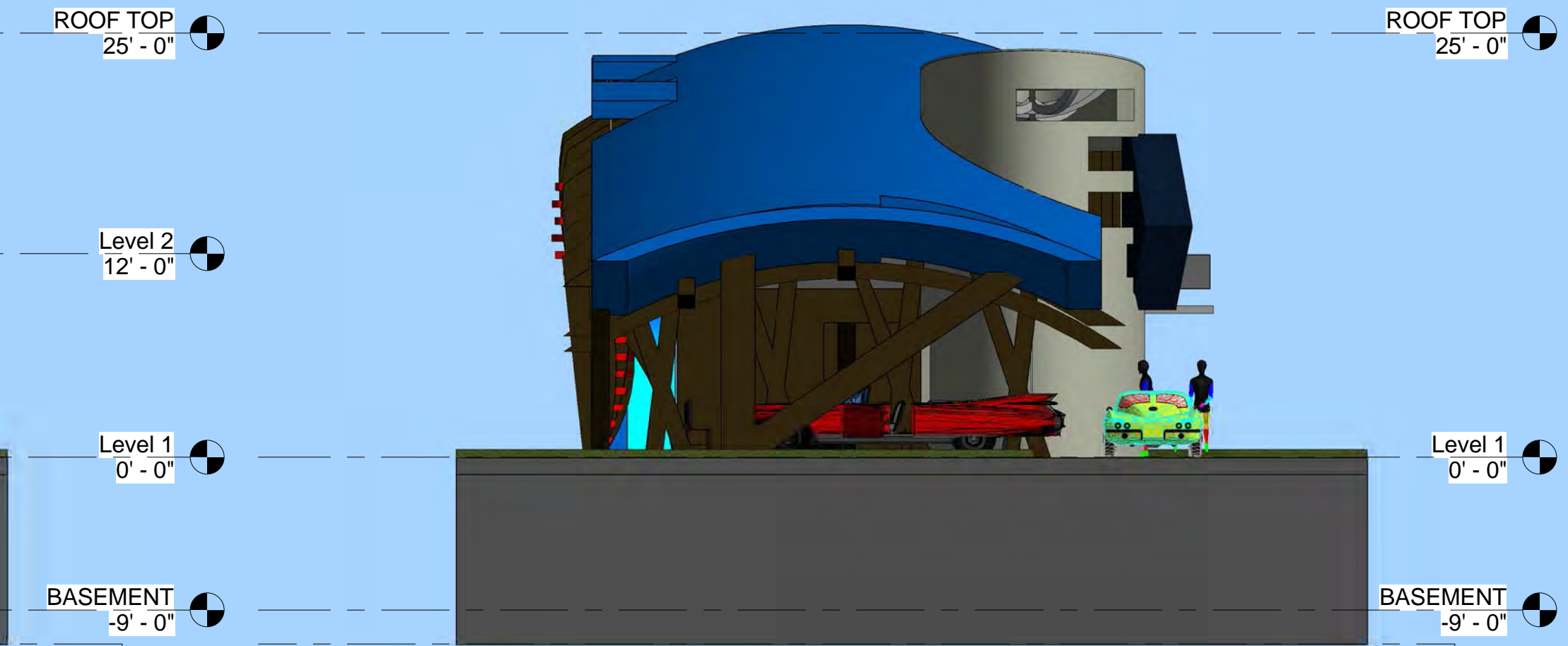
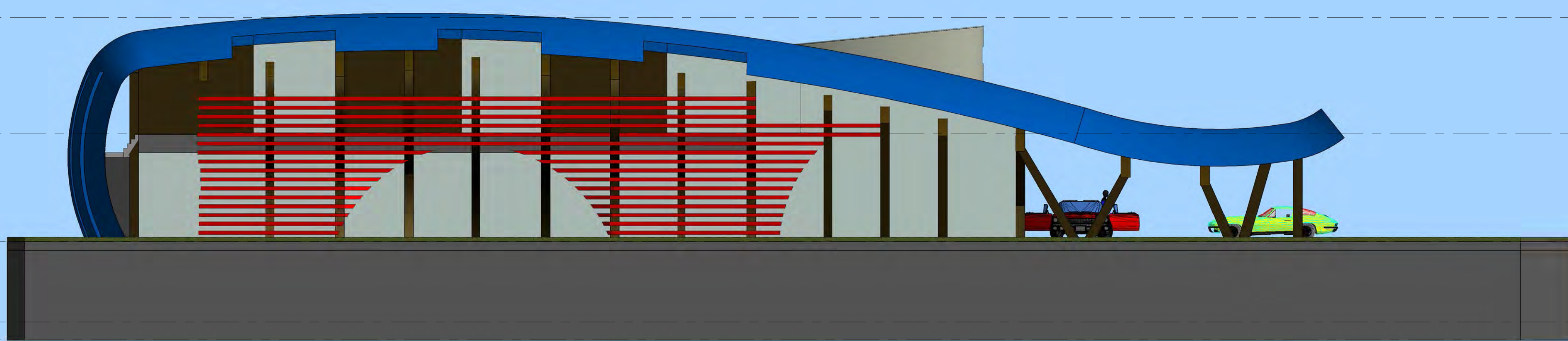
ROOM LEGEND:

- 1. LIVING ROOM
- 2. KITCHEN
- 3. DINING ROOM
- 4. FAMILY ROOM
- 5. BEDROOM
- 6. STUDIO
- 7. GARAGE

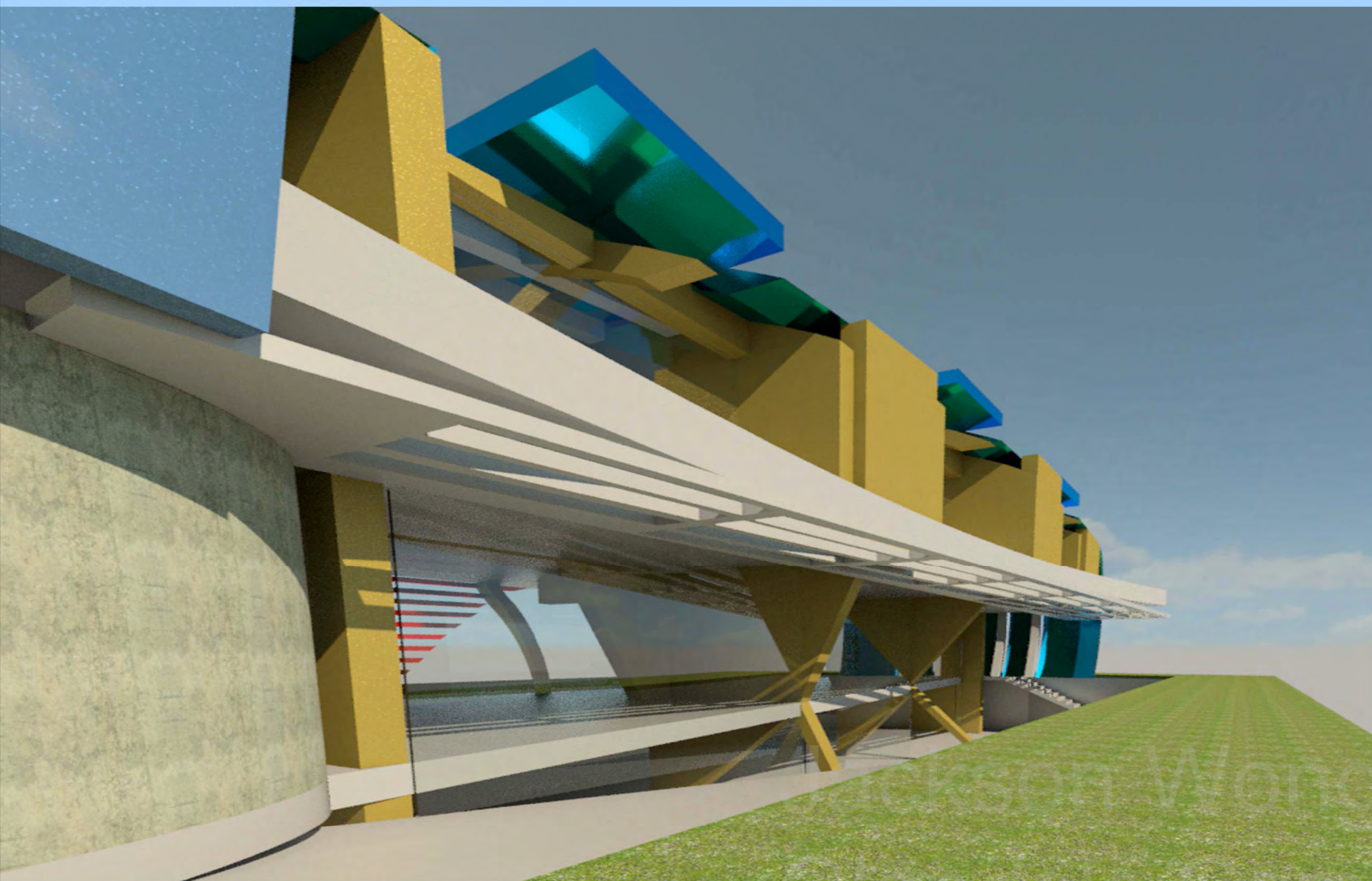


NORTH ELEVATION

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- ROOF TOP 25' - 0"
- Level 2 12' - 0"
- Level 1 0' - 0"
- BASEMENT -9' - 0"
- BOTTOM OF BASEMENT -11' - 0"



RENDERING FROM THE RAMP TO STUDIO.



RENDERING FROM THE ENTRANCE

Glendale Community College, CA



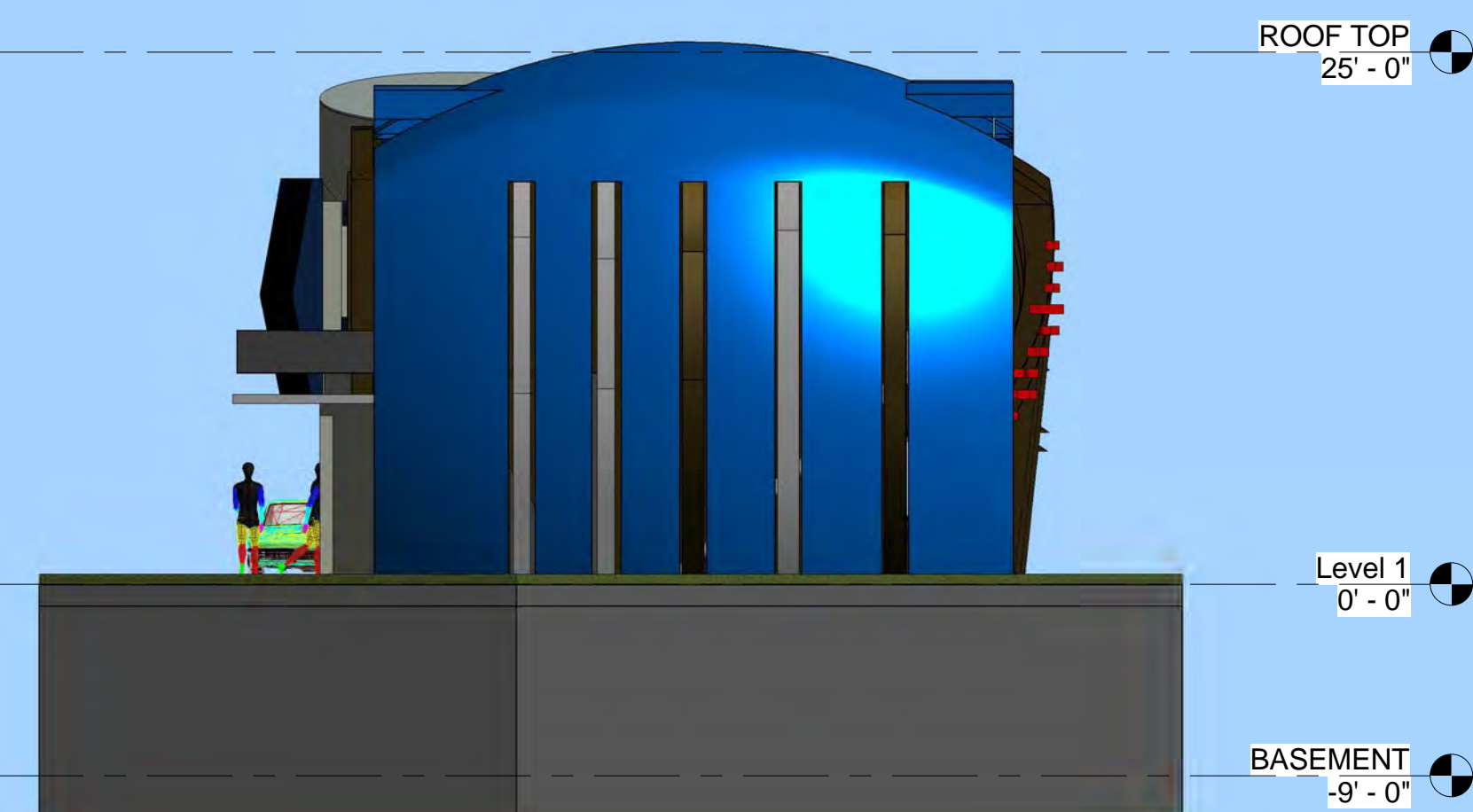
WEST ELEVATION

ROOF TOP
25' - 0"

Level 1
0' - 0"

BASEMENT
-9' - 0"

BOTTOM OF
BASEMENT
-11' - 0"



SOUTH ELEVATION

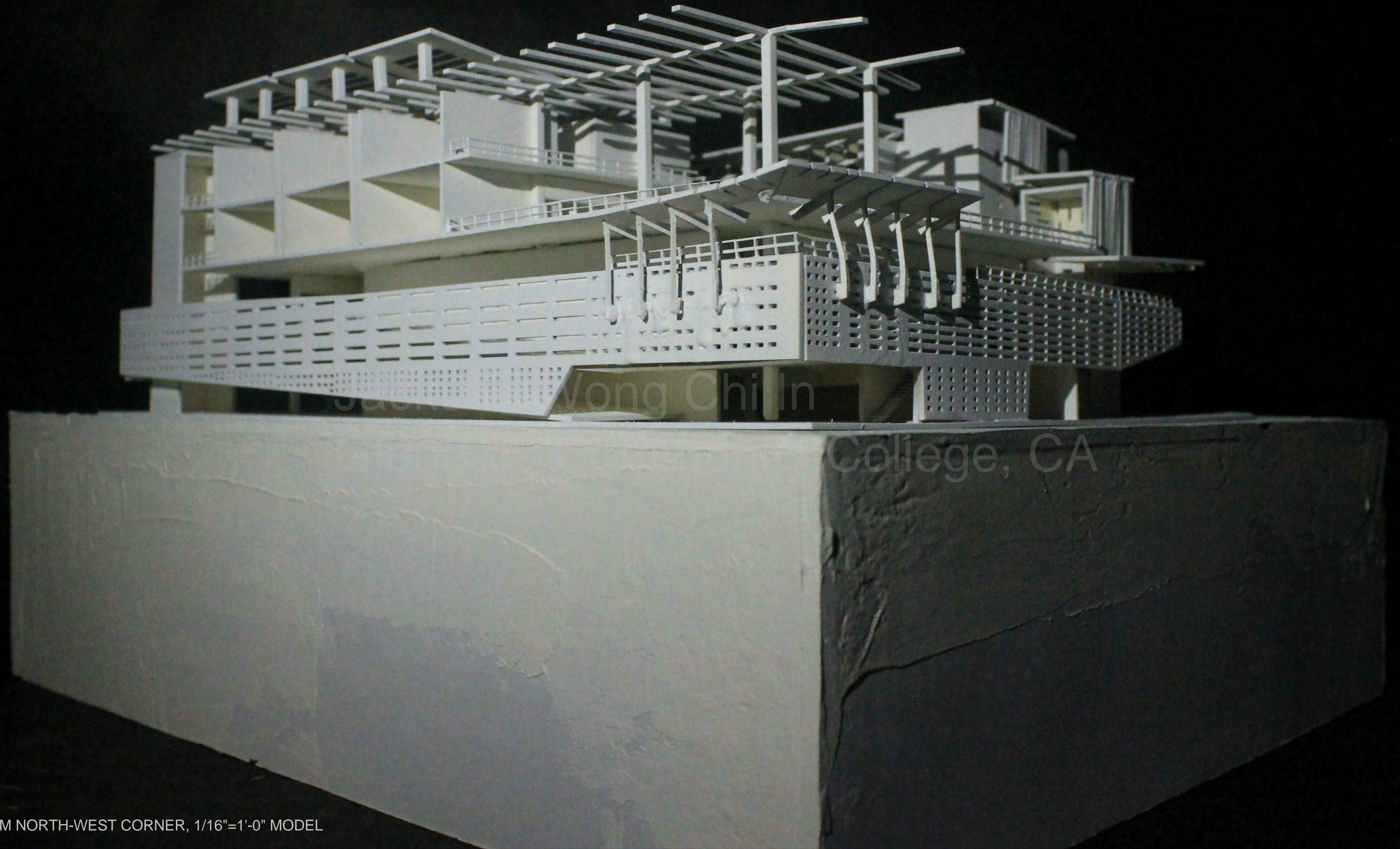
ROOF TOP
25' - 0"

Level 1
0' - 0"

BASEMENT
-9' - 0"

BOTTOM OF
BASEMENT
-11' - 0"

COMMERCIAL MIX-USE PROJECT
MIAMI BEACH, FLORIDA



Jack Wong Chi In
College, CA

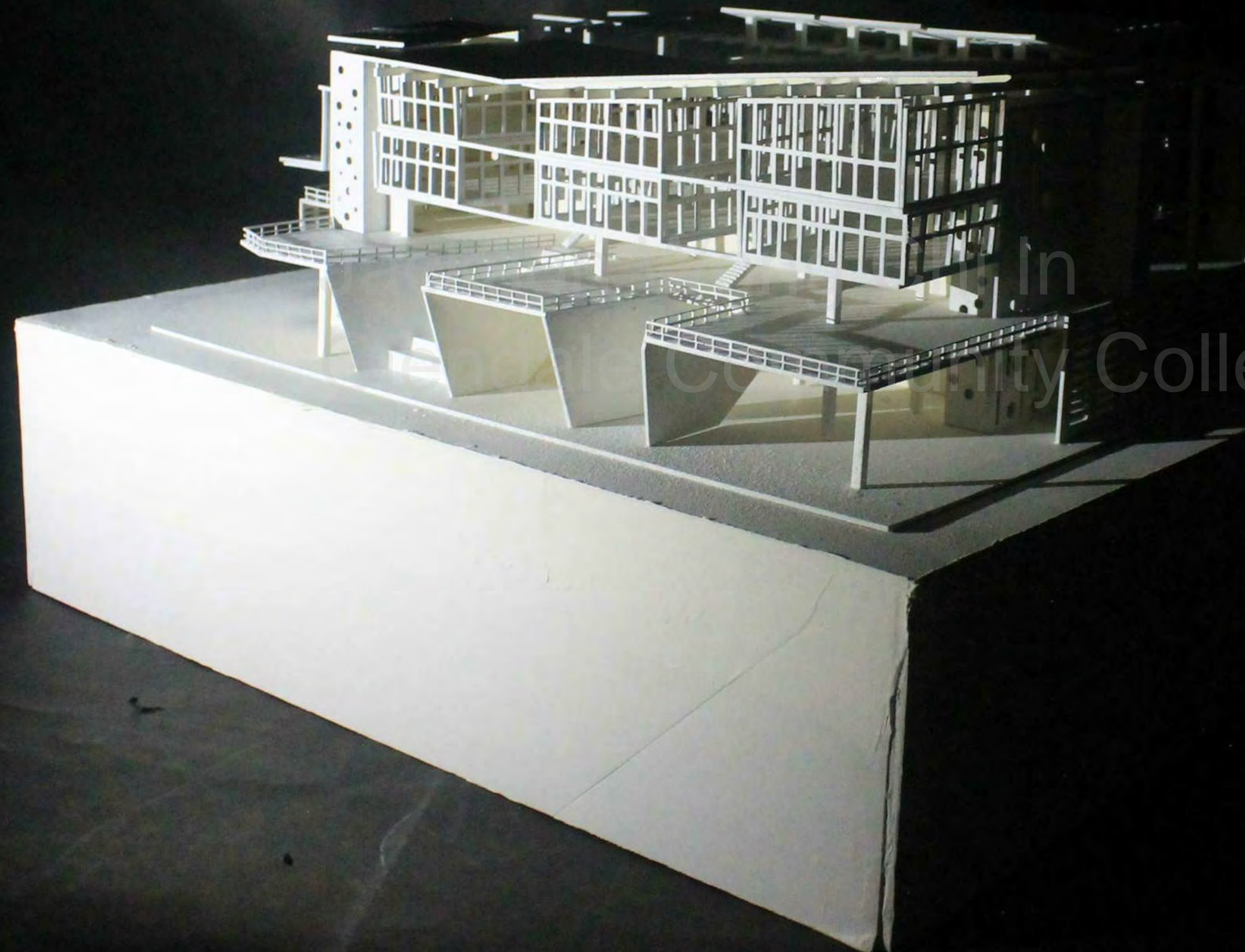
PHOTO FROM NORTH-WEST CORNER, 1/16"=1'-0" MODEL

MIX USE PROJECT, MIAMI BEACH

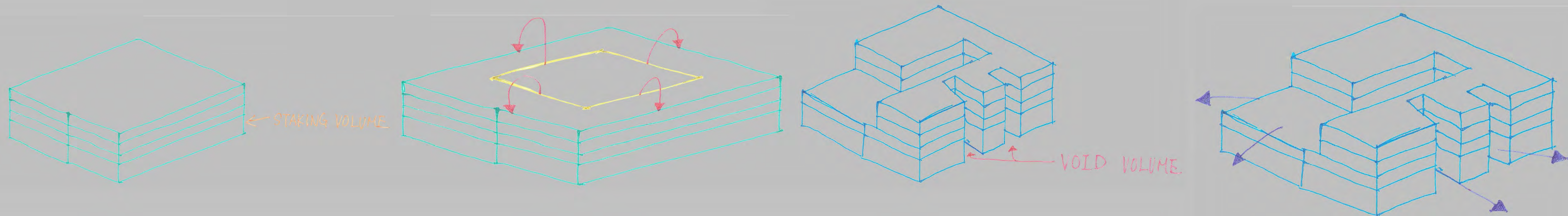


PROJECT DESCRIPTION:

THIS IS A COMMERCIAL MIX-USE BUILDING WHICH IS INSPIRED BY THE LTL ARCHITECT FIRM. THE SITE IS LOCATED AT THE WEST SIDE OF MIAMI BEACH. THERE ARE LOTS OF RESTAURANTS AND RETAIL STORES. IT IS A FOUR STOREYS BUILDING AROUND 75' TALL, WITH 2 LEVELS PARKING. RETAIL STORES, RESTAURANTS, OFFICES, AND LIVING UNITS ARE SURROUNDING THE SITE.



CONCEPTUAL SKETCHES:

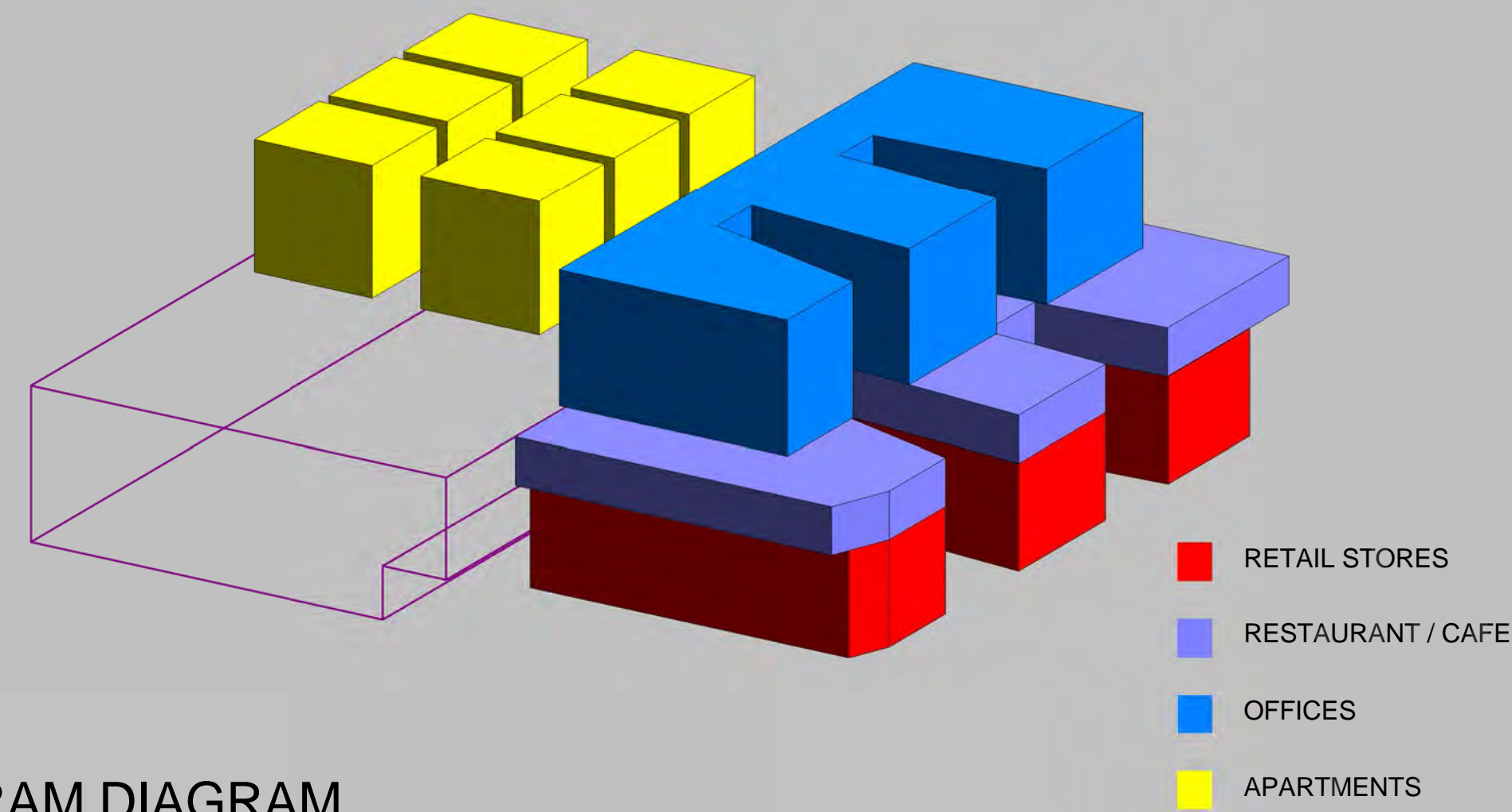


STACKING UP VOLUME FOR MORE LEVEL

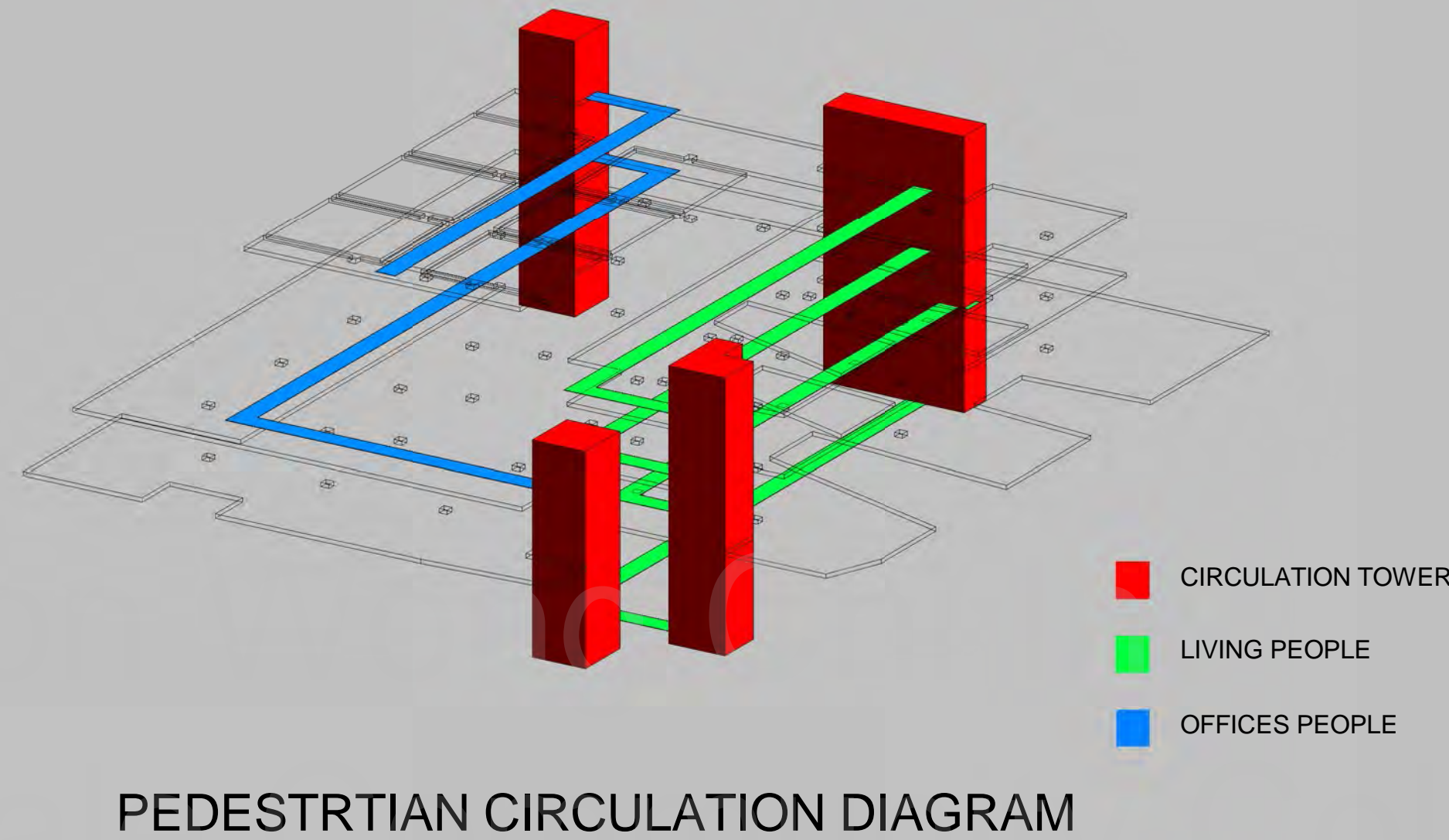
INNER PART OF THE VOLUME OF THE BUILDING IS MOVED TO THE PUBLIC FACE

THE EXTRA VOLUME FORM SERIES OF VOID CUTS

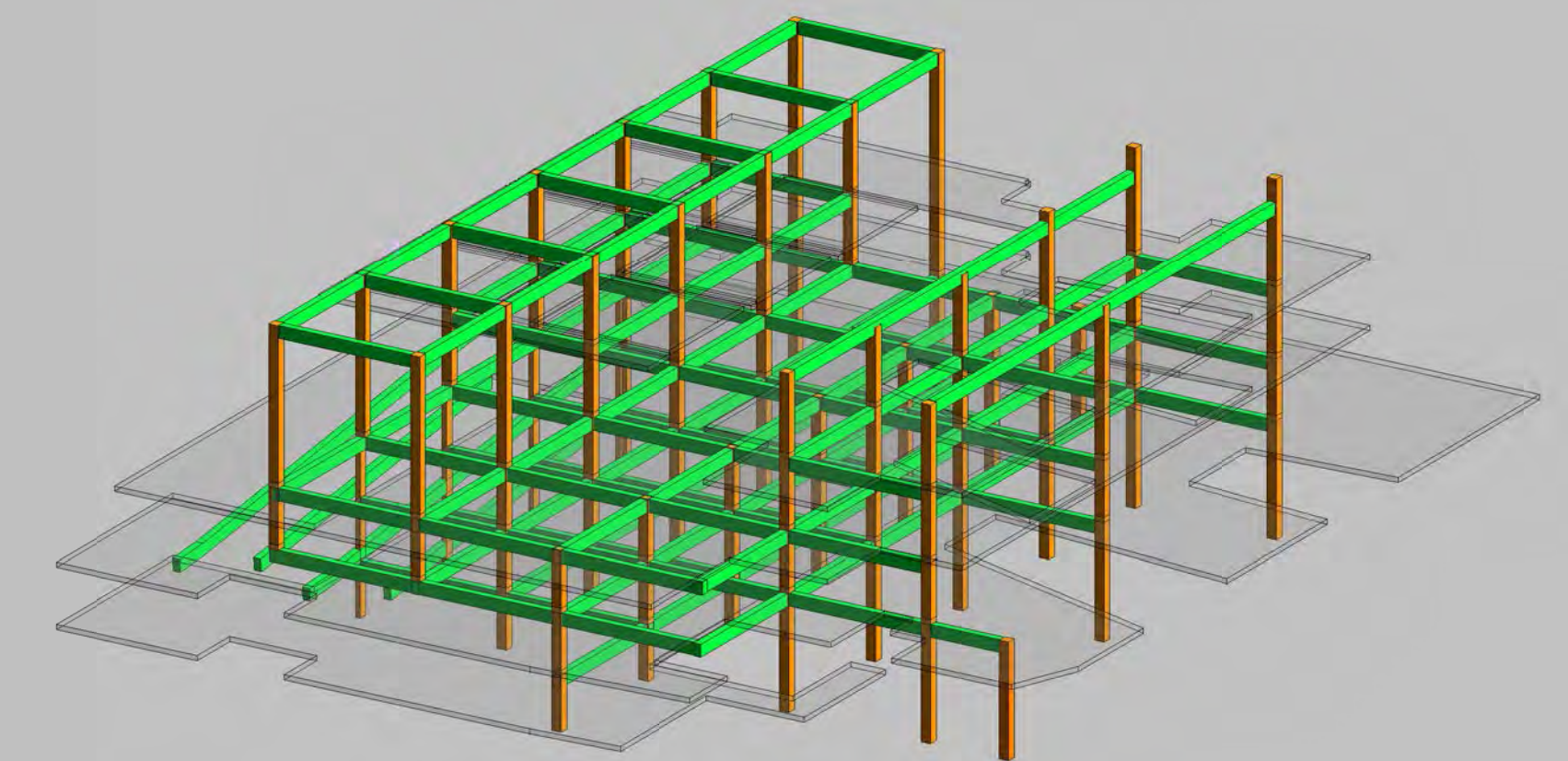
THE VOID CUTS INCREASE THE VIEW AND LIGHT FROM OUTSIDE



PROGRAM DIAGRAM

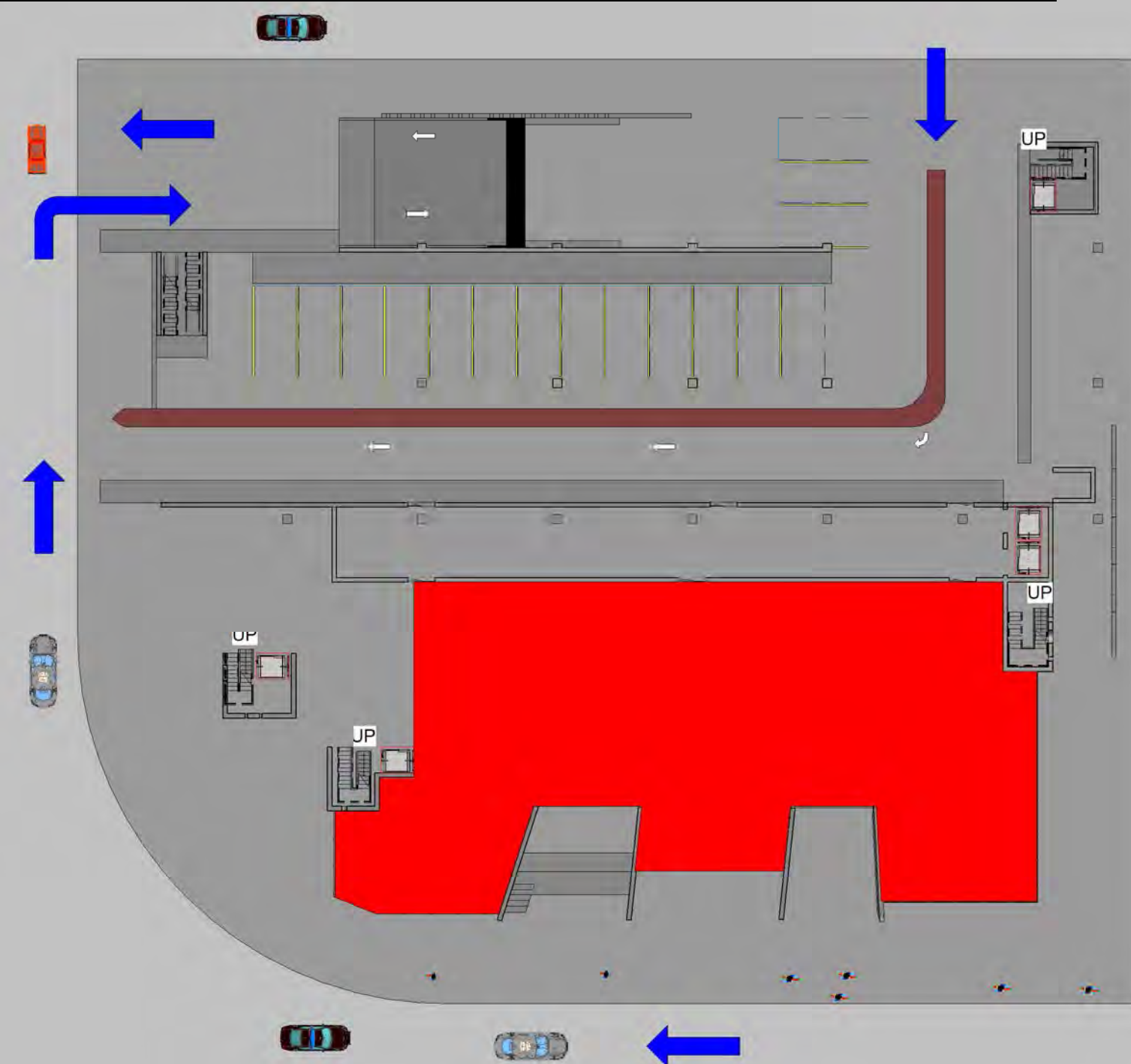


PEDESTRIAN CIRCULATION DIAGRAM

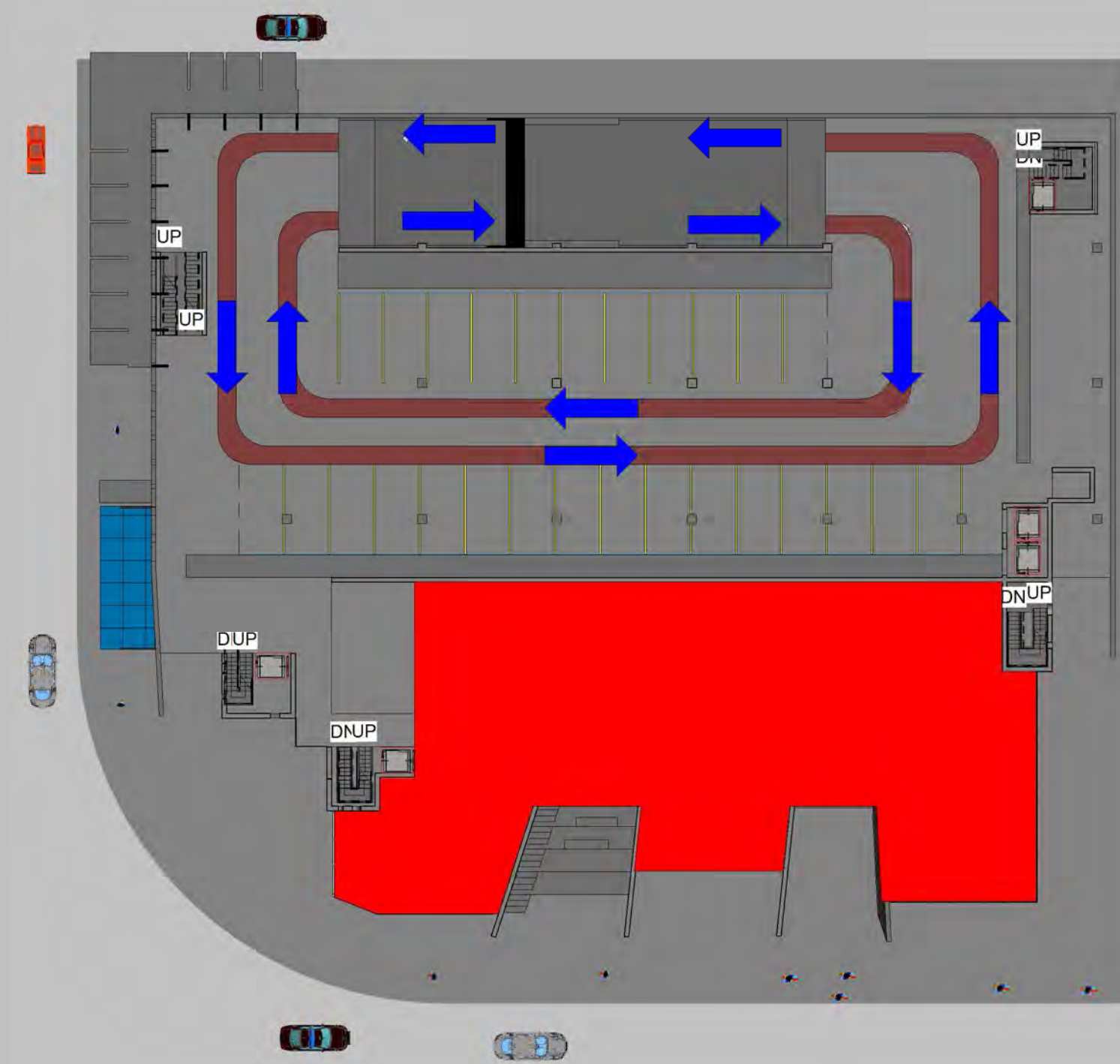


STRUCTURAL DIAGRAM

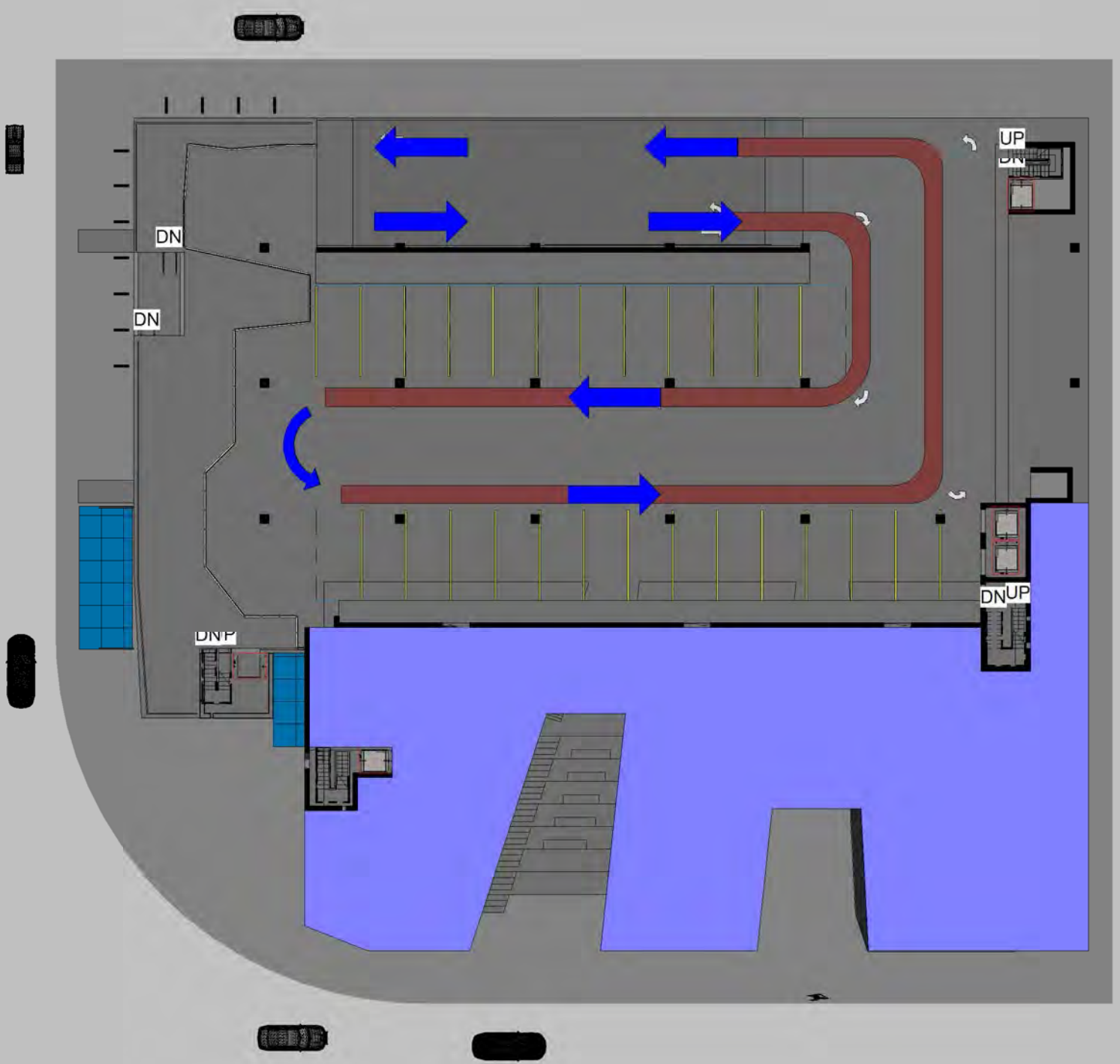
VEHICLE CIRCULATION WITHIN THE BUILDING:



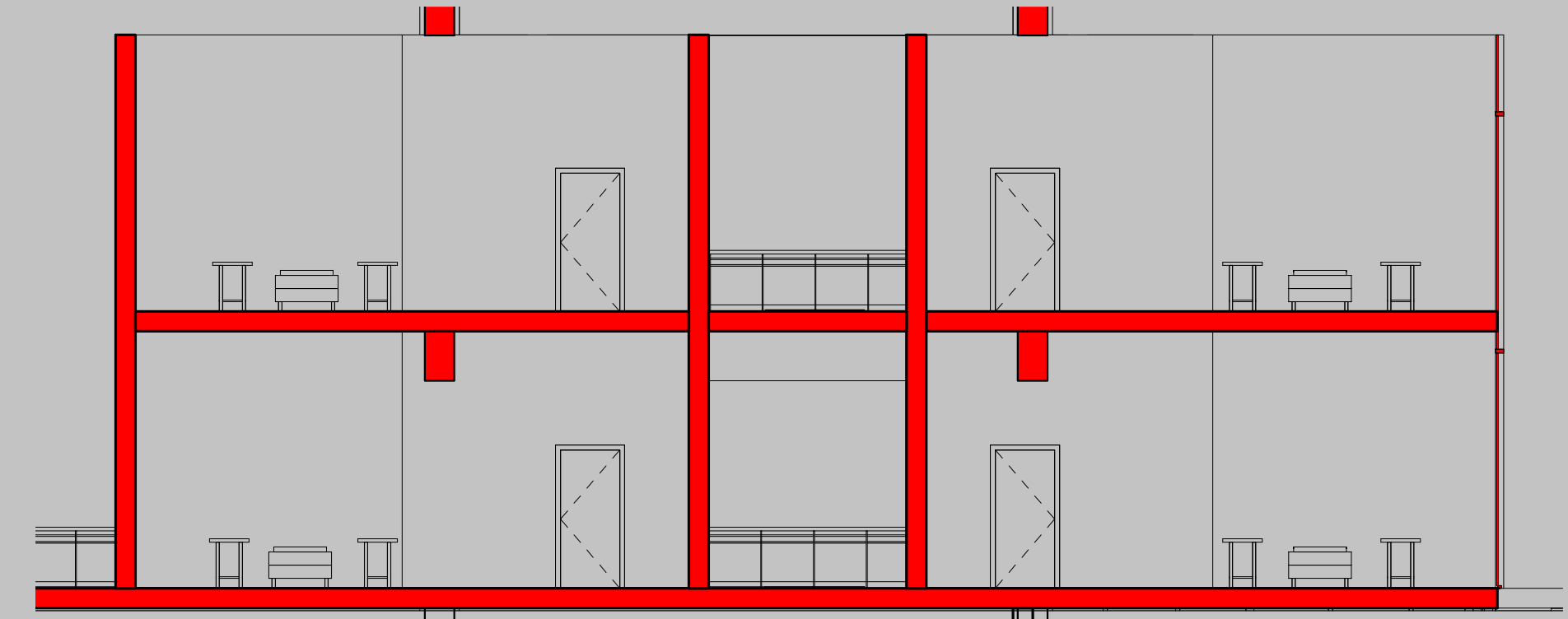
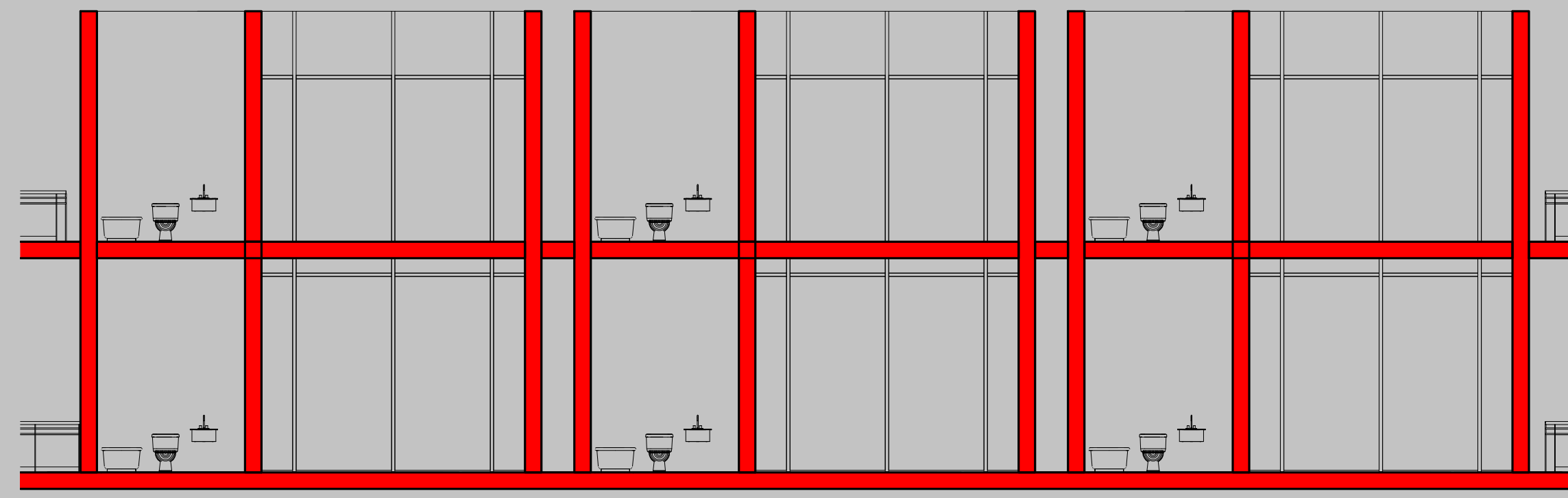
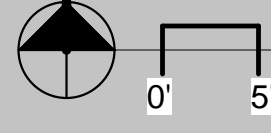
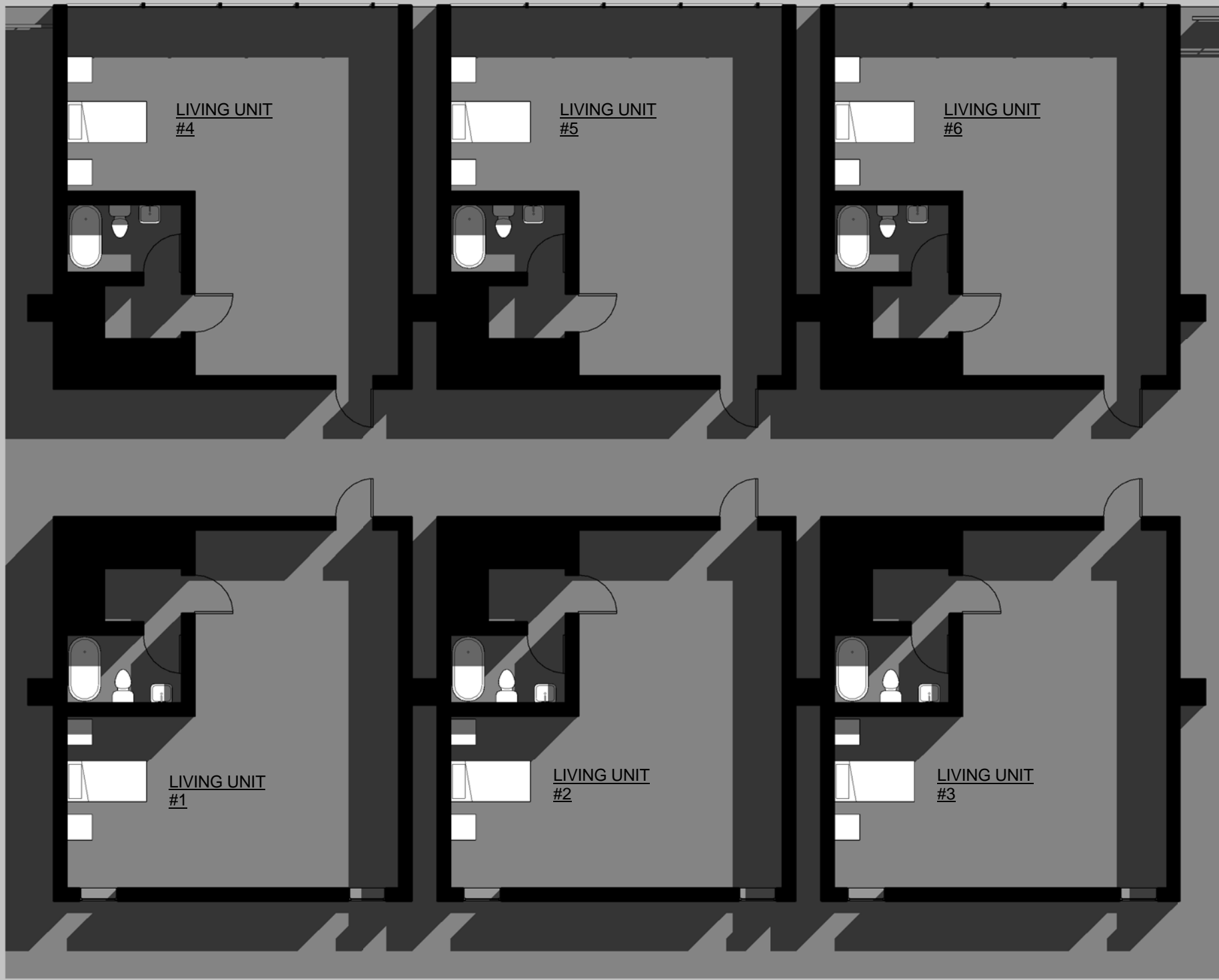
• GROUND LEVEL PARKING



• PARKING LEVEL 2

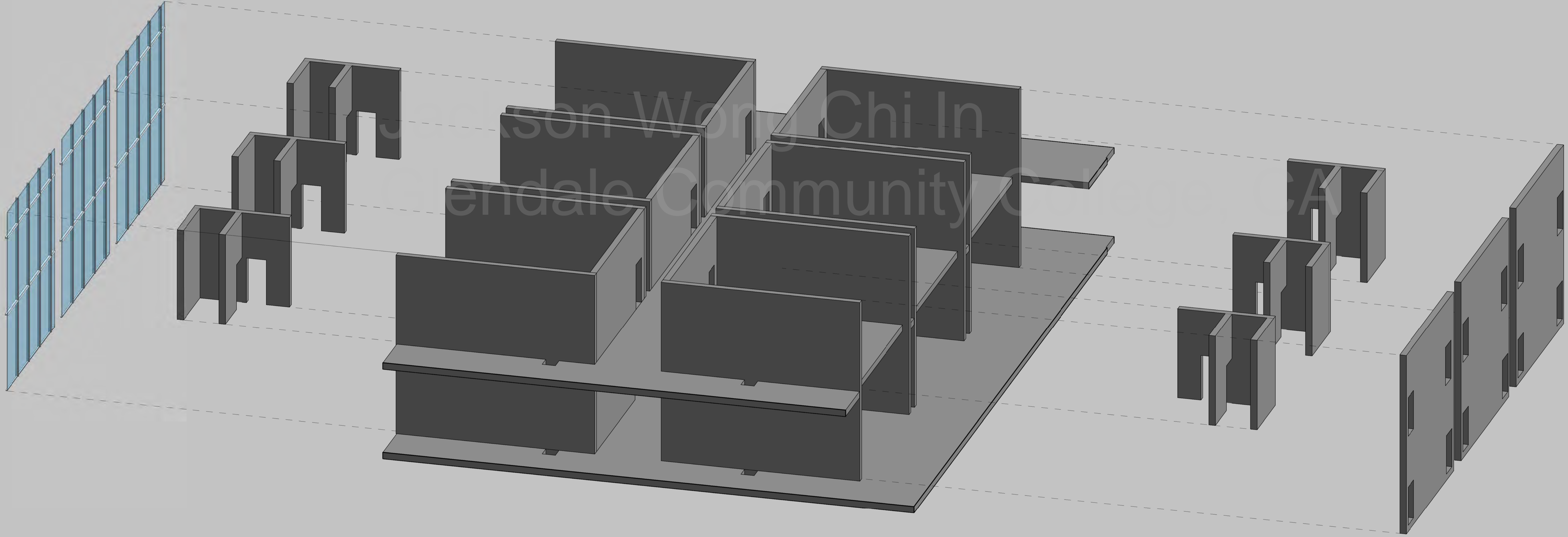


• PARKING LEVEL 3



APARTMENT UNITS:

THIS BUILDING INCLUDE 12 APARTMENT UNITS. HALF OF THEM LOCATE AT THIRD LEVEL AND FOURTH LEVEL SEPERATELY. EACH ONE IS ABOUT 750 SQFT, AND INCLUDE ONE BATHROOM, AND WALK-IN CLOSET.



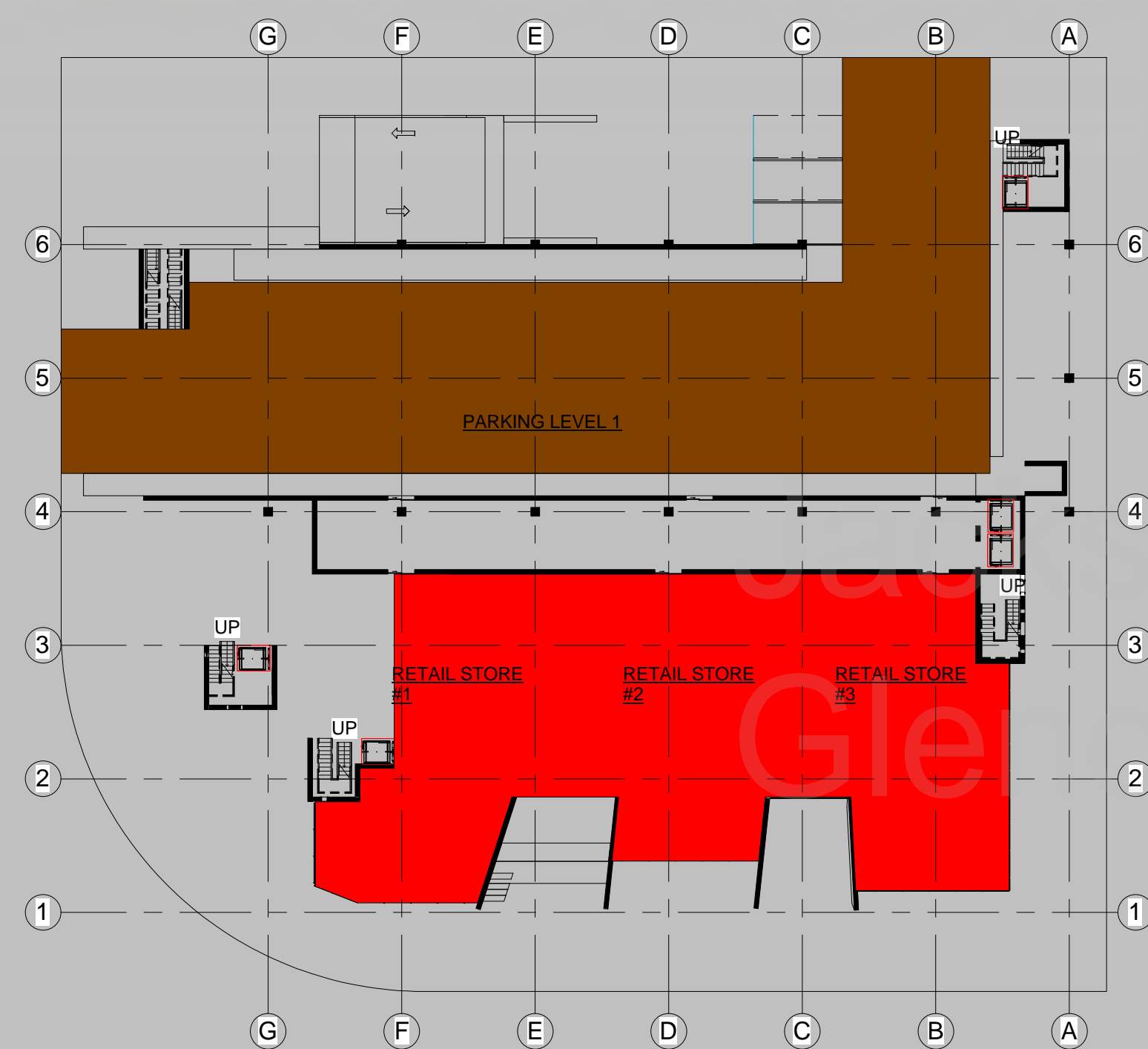
EXPLODED VIEW



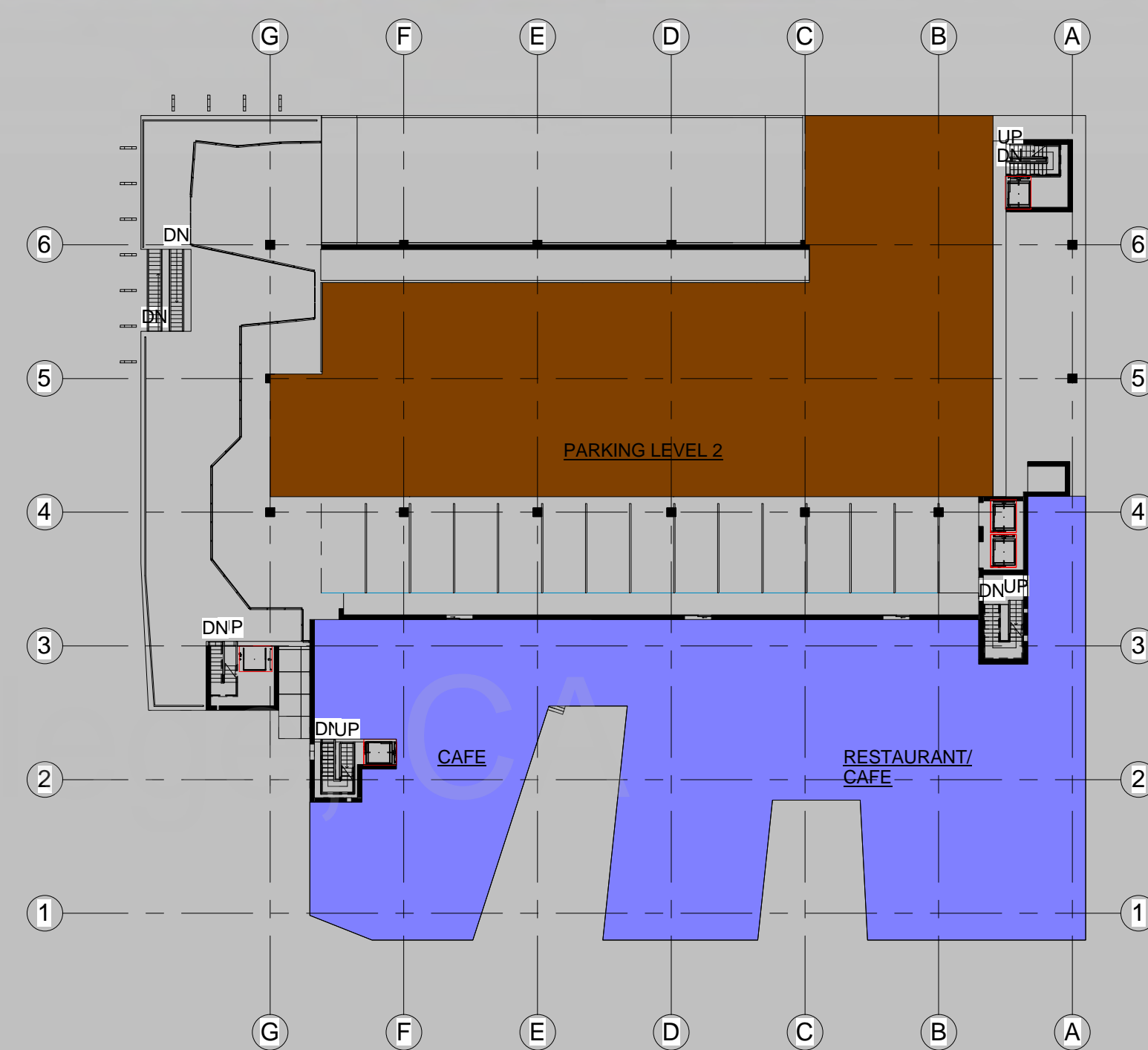
PHOTO FROM SOUTH WEST CORNER, 1/16"=1'-0" MODEL



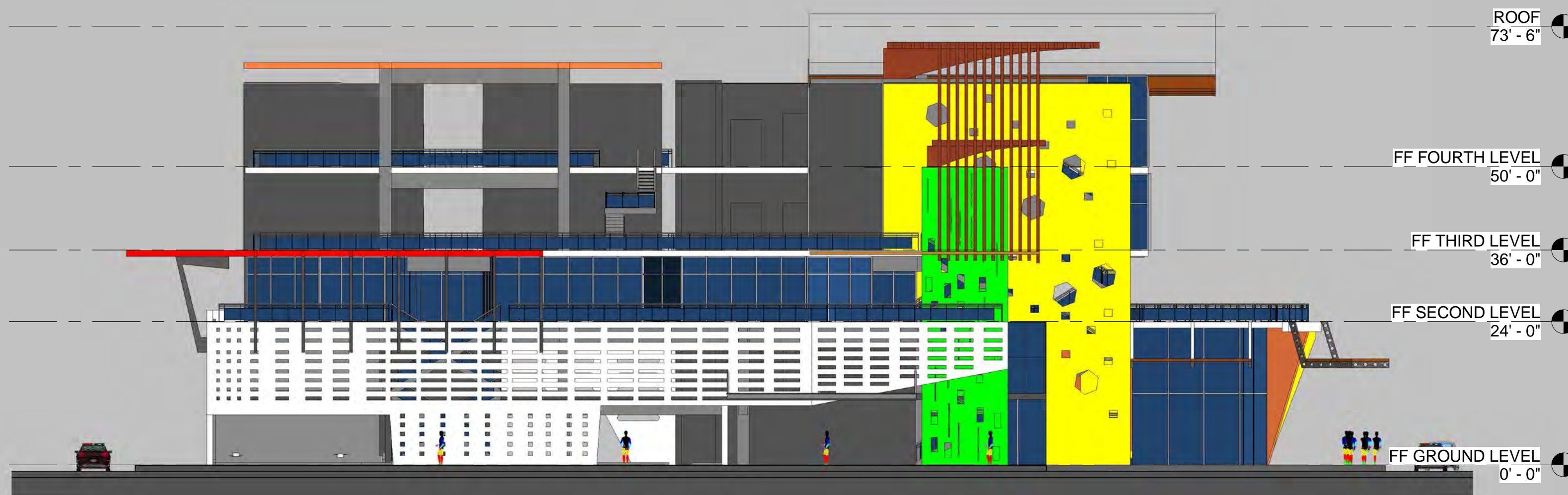
PHOTO FROM SOUTH EAST CORNER, 1/16"=1'-0" MODEL



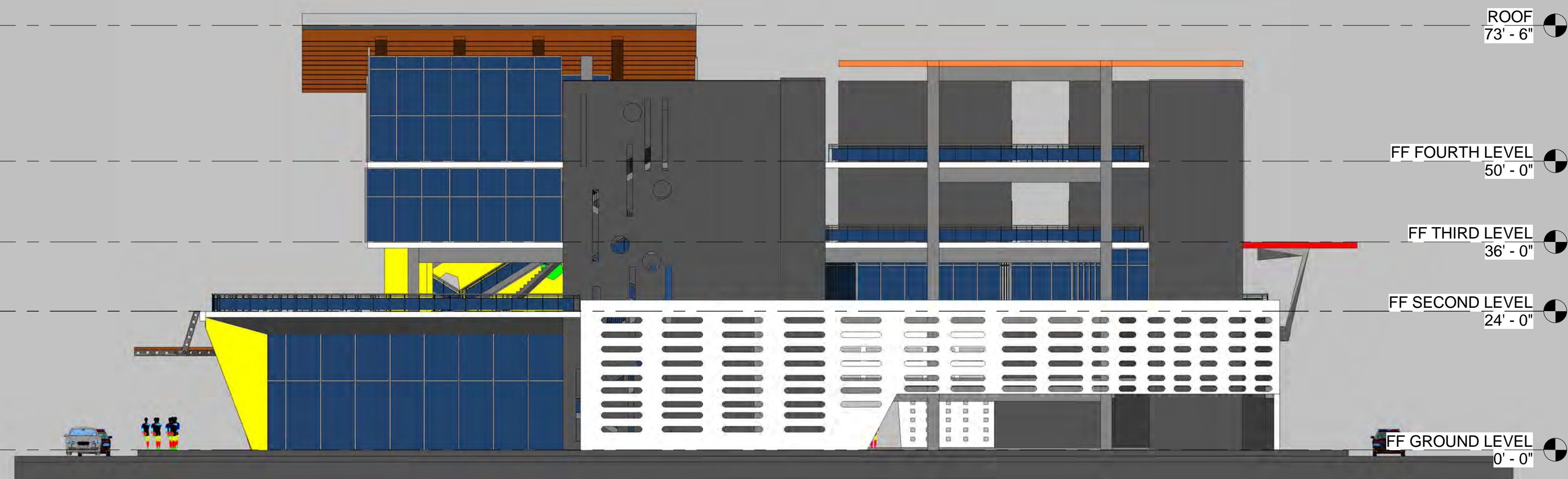
LEVEL 1 0'4" = 16'



LEVEL 2 0'4" = 16'



WEST ELEVATION



EAST ELEVATION

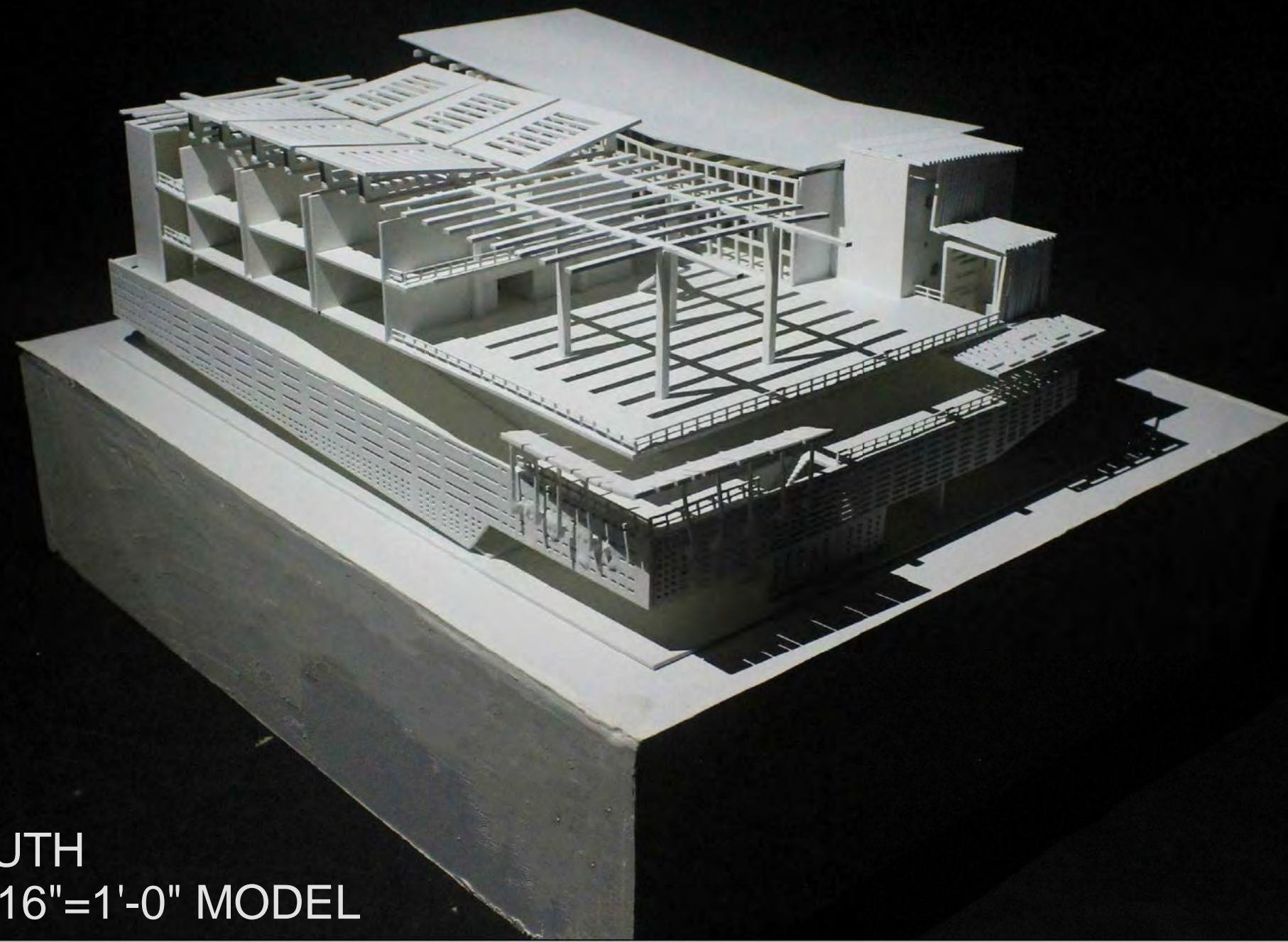


PHOTO FROM SOUTH WEST CORNER, 1/16"=1'-0" MODEL

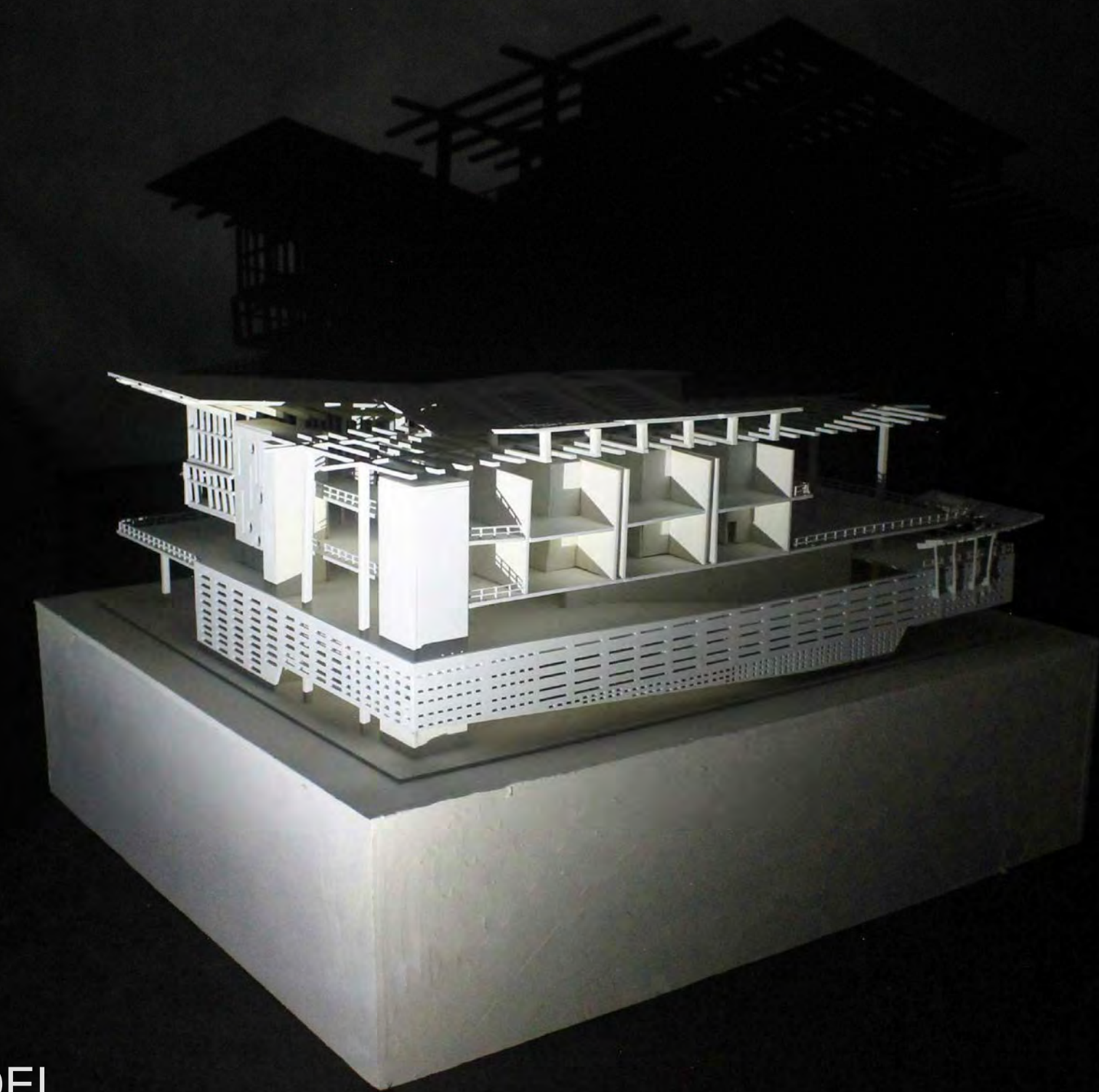
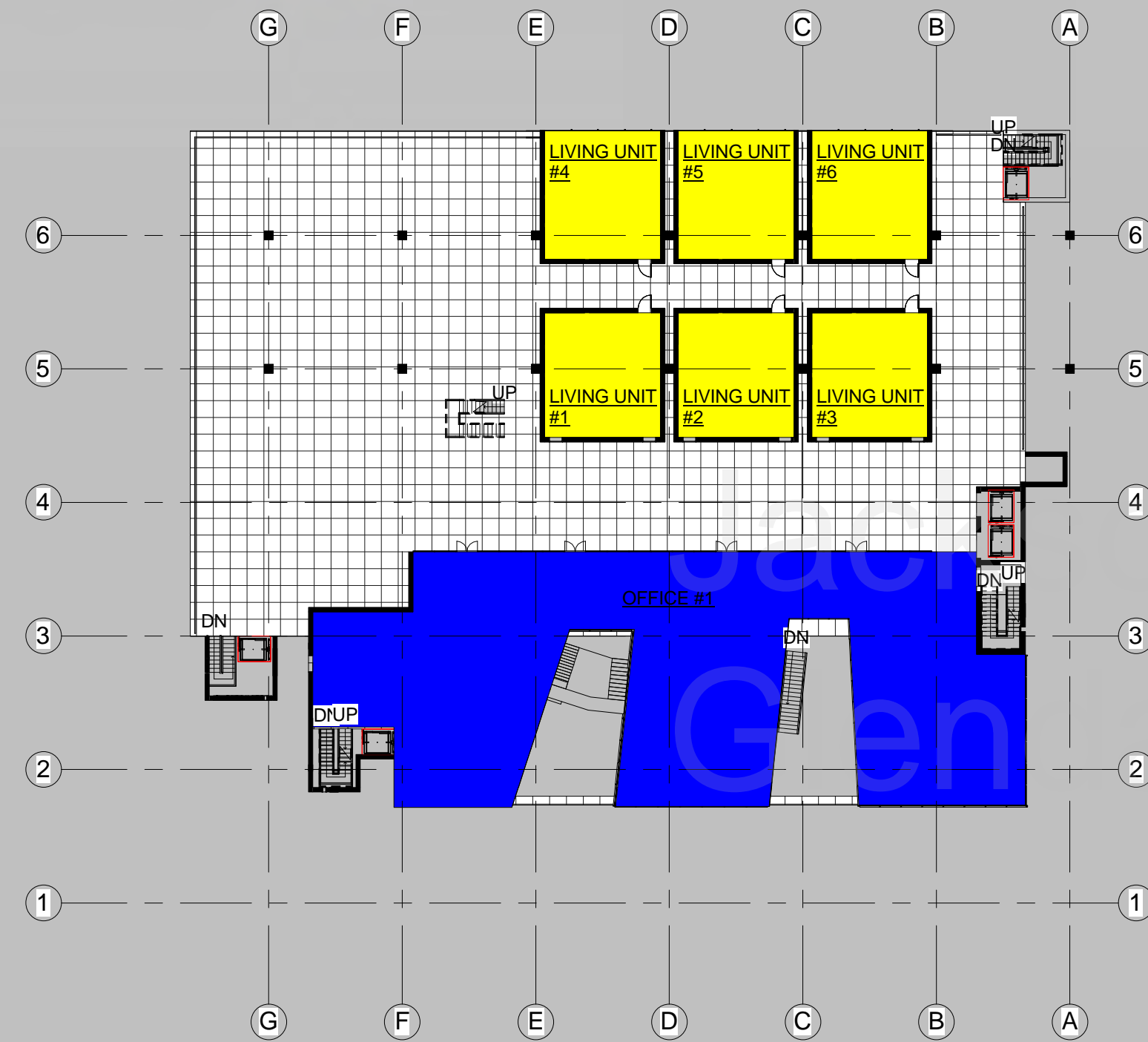
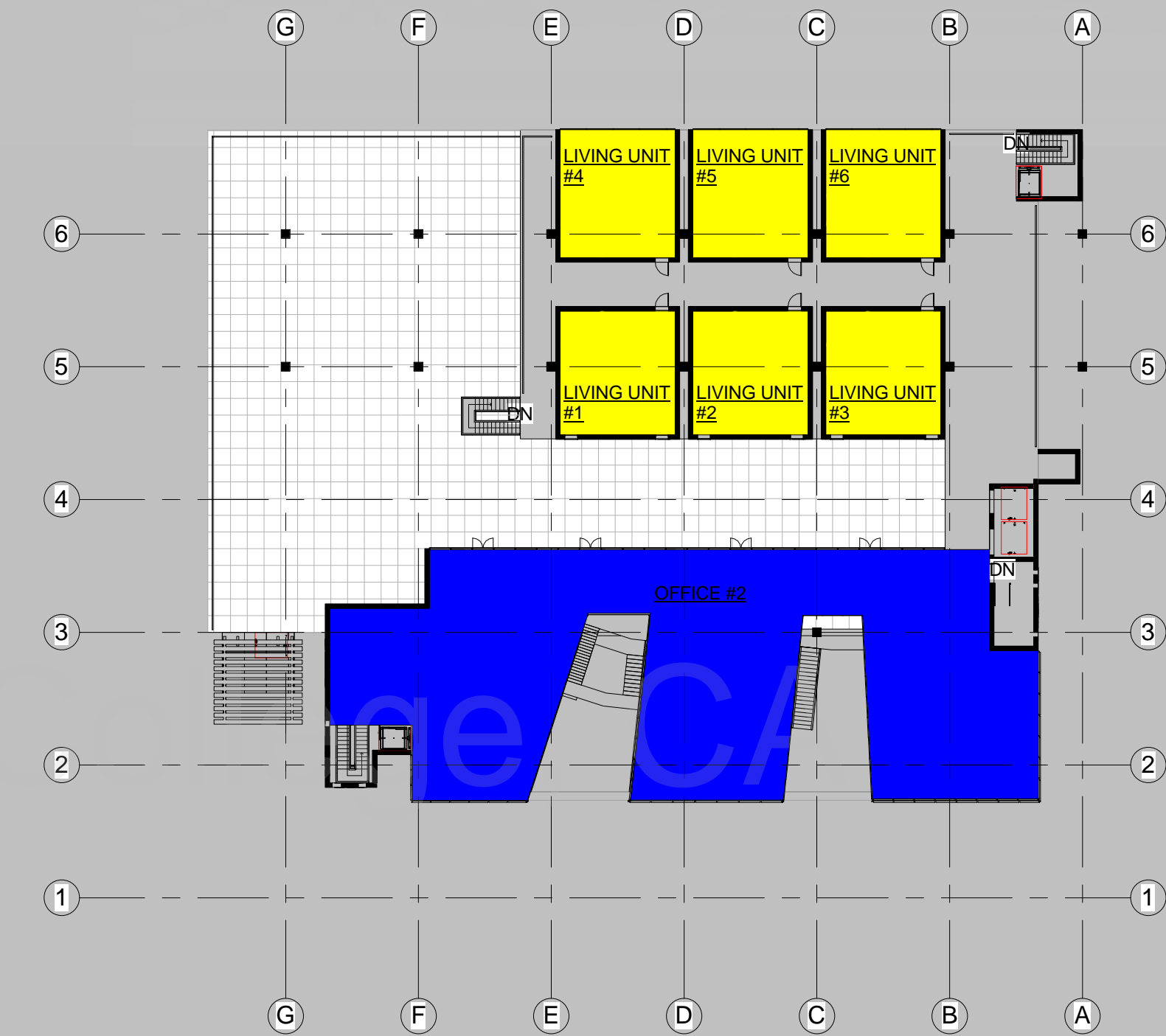


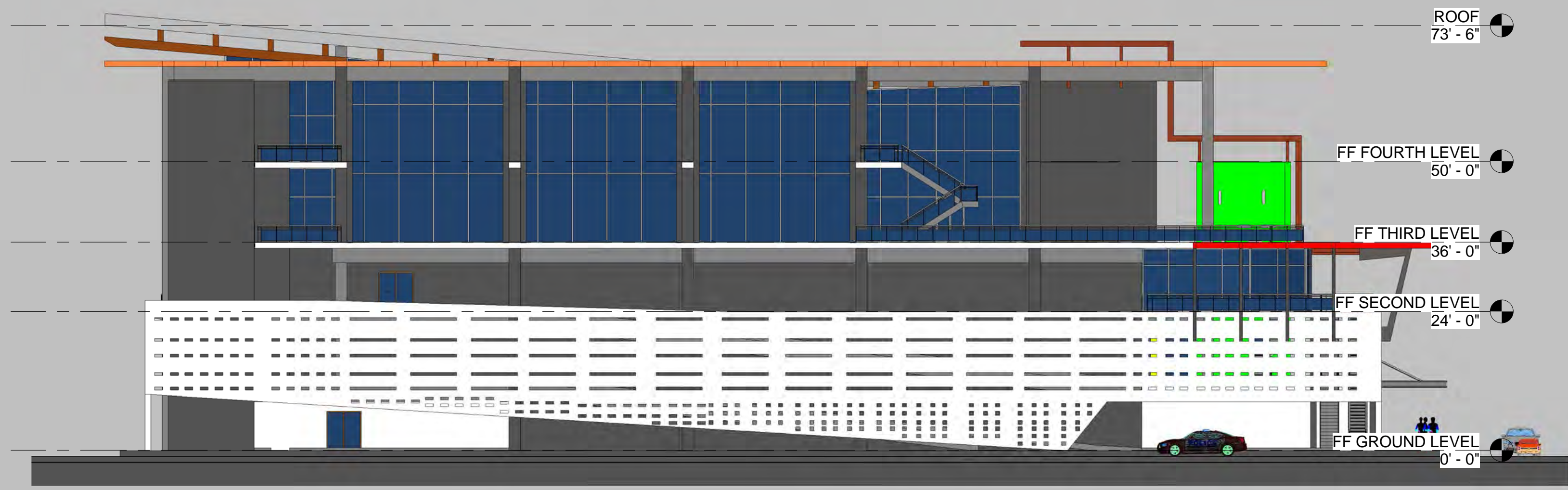
PHOTO FROM SOUTH EAST CORNER, 1/16"=1'-0" MODEL



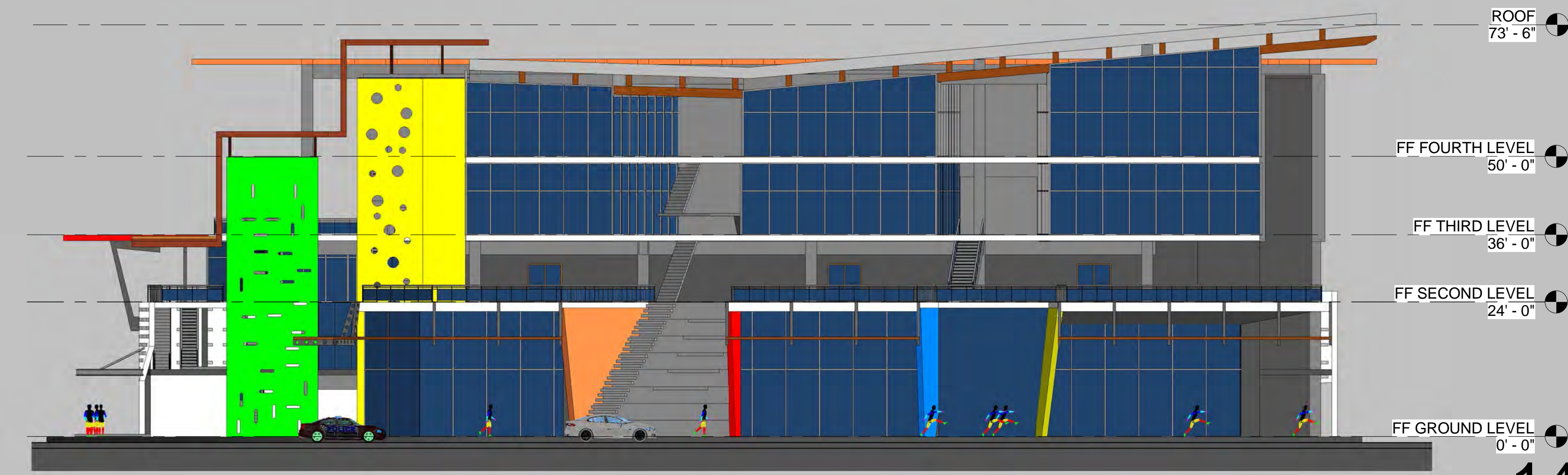
LEVEL 3 0'4" = 16'



LEVEL 4 0'4" = 16'



NORTH ELEVATION



SOUTH ELEVATION

COMMERCIAL DESIGN, LITTLE TOKYO, CA

DESIGN STATEMENT:
*A TWIRLING RIBBON DEFINES ITS PATH AND SHAPE WHICH HOLDS
THE EMPTNESS INSIDE TO FORM ITS FUNCTION.*

SITE LOCATION



VICINITY MAP

Architect: Wilson Wong Chi In
Location: Little Tokyo Community College, CA



RENDER FROM SOUTH-EAST CORNER

SITE LOCATION:

282 E. 2ND STREET, LOS ANGELES, CA

SITE INFORMATION:

THE TOTAL AREA OF THE SITE IS 2.3 ACRE OR 98,684SQ FT. THE SITE IS IN LITTLE TOKYO DISTRICT , IT IS AT THE CORNER OF EAST 2ND STREET AND SAN PEDRO STREET, NEXT TO WELLER COURT, WHICH IS THE BUSIEST SHOPPING HUB. THERE ARE HOTELS, RETAIL STORES, CIVIL BUILDING, AND APARTMENTS SURROUNDING THE PROJECT LOCATION.

PROJECT DESCRIPTION:

STUDENT WERE ASKED TO DESIGN A COMMERCIAL MIX-USE BUILDING WITH CONNECTION TO ANOTHER BUILDING (WELLERS COURT). CERTAIN PROGRAMS ARE REQUIRED.

- RESTAURANTS
- FOOD COURTS
- OFFICES
- RETAIL STORES

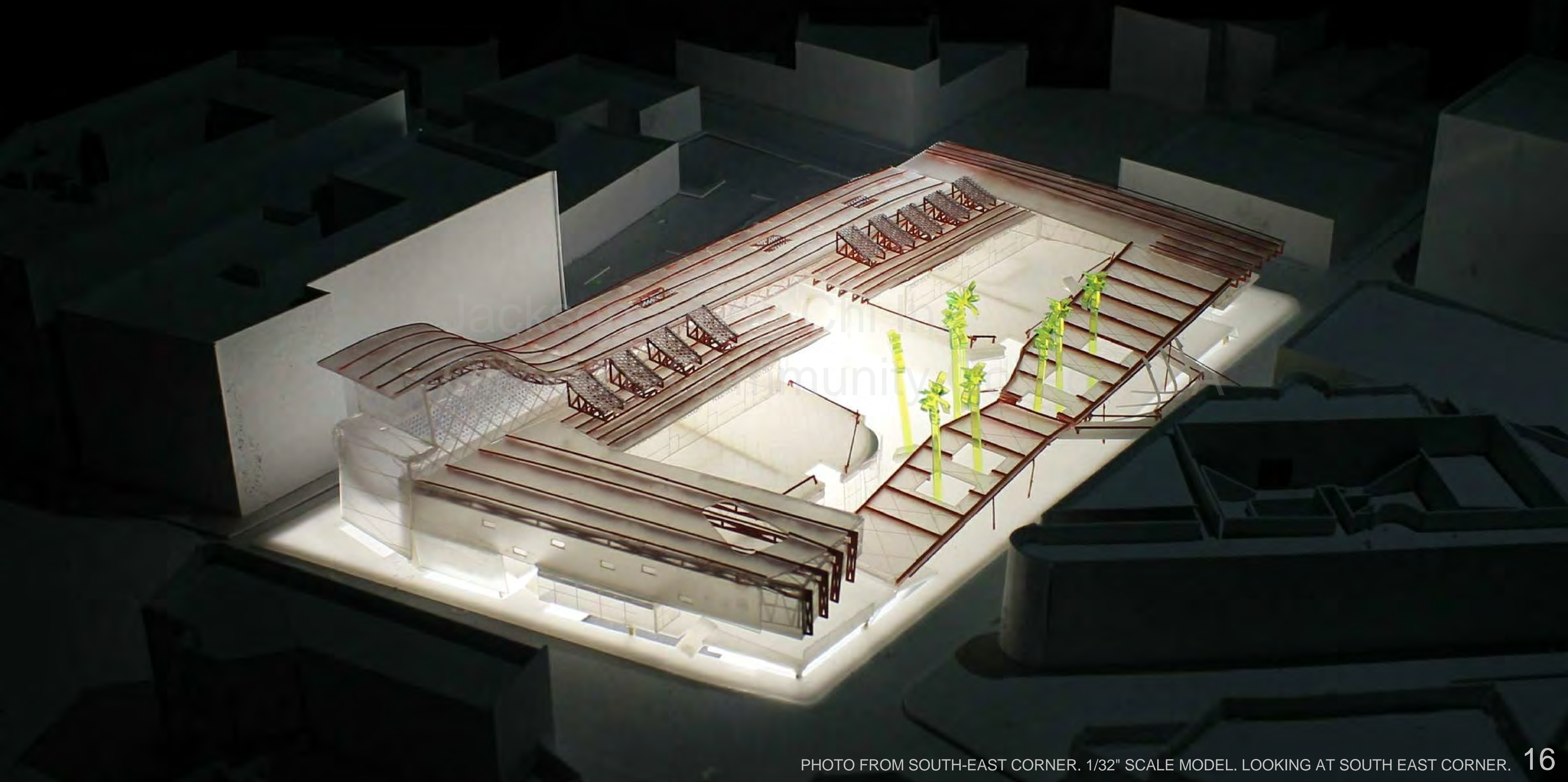
PROGRAM REQUIREMENT :

INTERIOR:

- RESTAURANTS: 3 RESTAURANTS, 5,000 SQ FT EACH.
- FOOD COURT: 10 FAST FOOD VENDING, 1,000 SQ FT EACH.
- OFFICE: THERE ARE 18,000 SQ FT TOTAL REQUIRED FOR MULTIPLE TENANTS OFFICE.
- RETAIL STORES: 2 RETAIL STORES ARE REQUIRED, 15,000 SQ FT EACH.
- PARKING SPACES: 365 PARKING SPACES.

EXTERIOR:

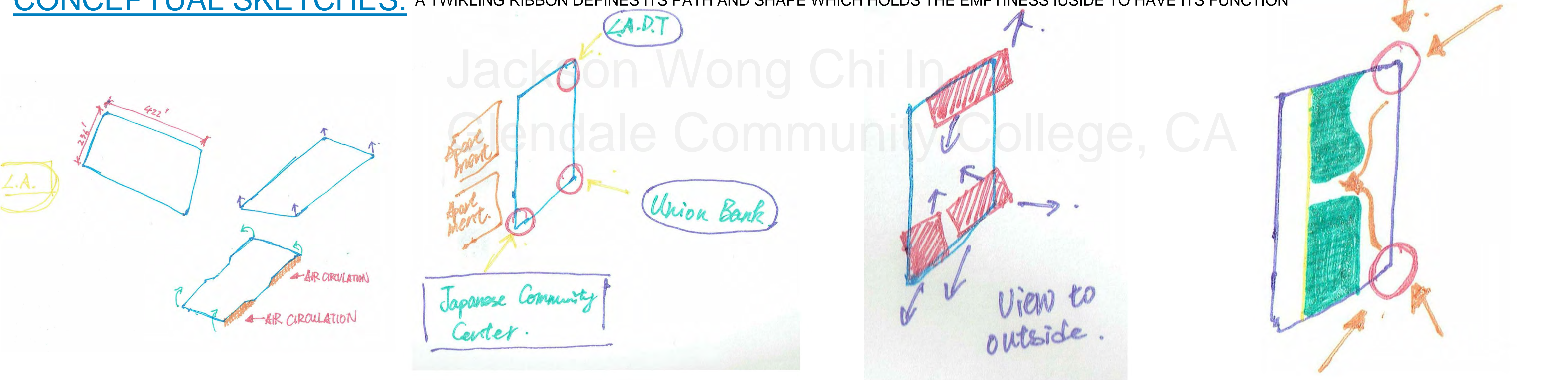
- OUTDOOR PERFORMANCE AREA



EXISTING CONDITION DIAGRAMS OF LITTLE TOKYO SITE:



CONCEPTUAL SKETCHES: A TWIRLING RIBBON DEFINES ITS PATH AND SHAPE WHICH HOLDS THE EMPTINESS INSIDE TO HAVE ITS FUNCTION



LIFT UP FOUR CORNERS AND FOLD SO THAT THERE SHOULD HAVE ENOUGH AIR GO TO THE UNDERGROUND PARKING .

THESE THREE CORNERS MUST BE THE MOST ATTRACTIVE SPOTS. MOST OF THE PEOPLE ARE COMING FROM THOSE CORNERS.

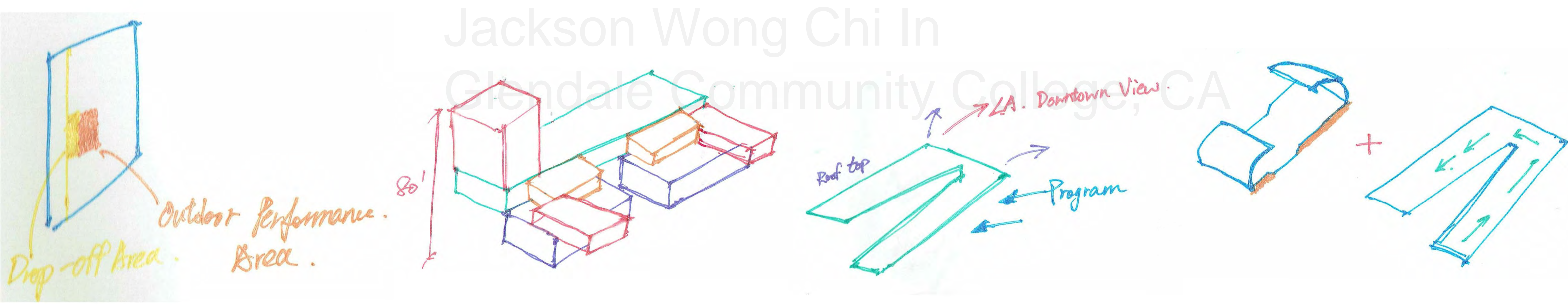
ALL THREE RESTAURANTS HAVE THE VIEW TO THE PERFORMANCE AREA AND OUTSIDE

RETAIL STORE IS ONLY ONE LEVEL AND LOCATE ON THE GROUND LEVEL SO THAT IT WILL BE MORE CONVENIENT FOR PEDESTRIANS.

PROPOSED CONDITION DIAGRAMS OF LITTLE TOKYO SITE:



CONCEPTUAL SKETCHES: A TWIRLING RIBBON DEFINES ITS PATH AND SHAPE WHICH HOLDS THE EMPTINESS INSIDE TO HAVE ITS FUNCTION



THE OUTDOOR ENVIRONMENT NEXT TO THE DROP OFF AREA SO THAT IT CAN CATCH PEOPLE ATTRACTION

THE BASIC PROGRAM ARRANGEMENT. THE HIGHEST POINT IS AT THE BOTTOM LEFT CORNER. SO, IT COULDN'T BLOCK THE VIEW.

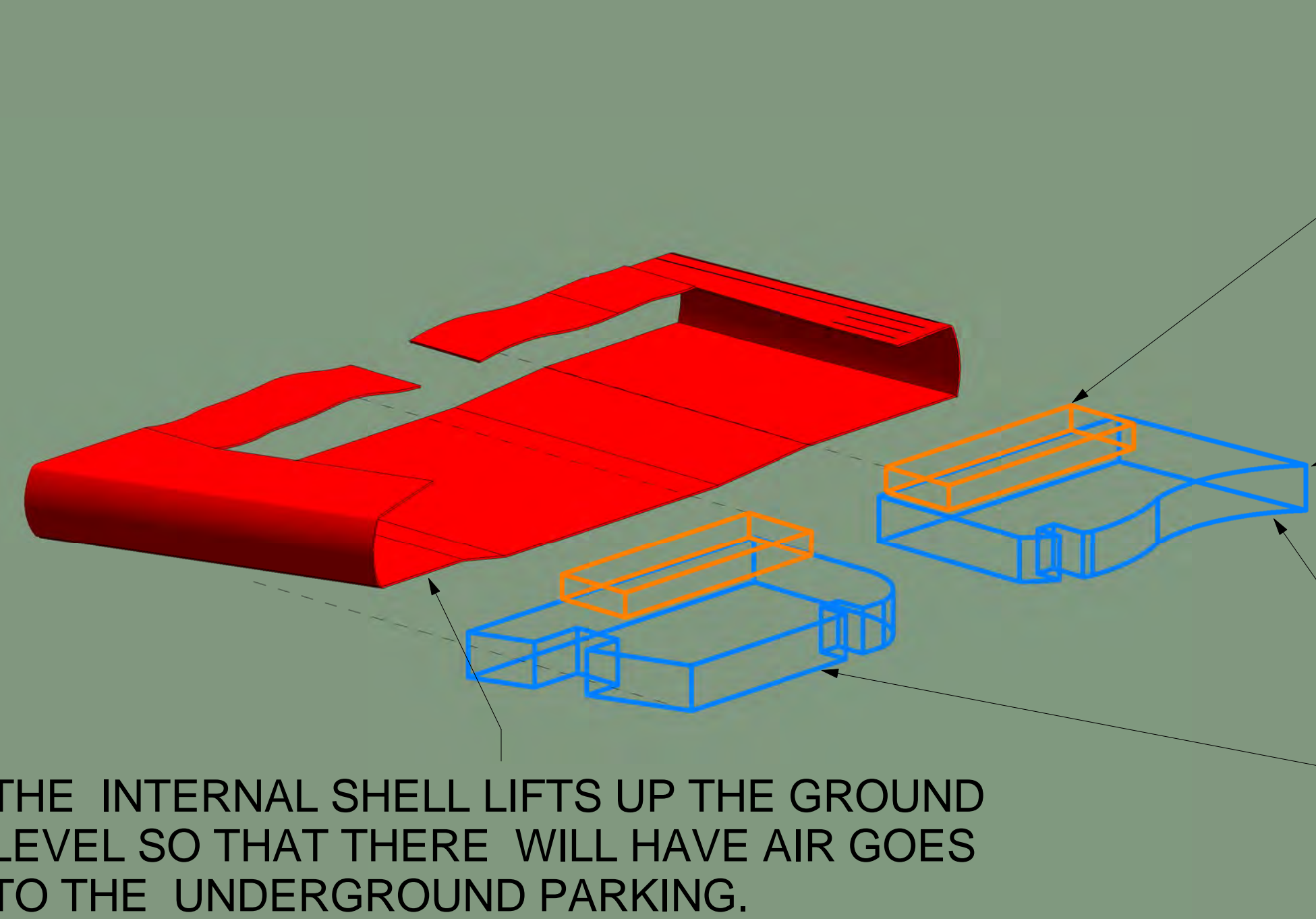
OUTER SHELL IS A SLOPE ROOF ACTING AS PEDESTRIAN PROVIDING VIEW TO DOWNTOWN AND HOLDING THE PROGRAM UNDERNEATH.

TWO SHELL CONNECT TOGETHER.

DESIGN CONCEPT:

INNER SHELL

OUTER SHELL

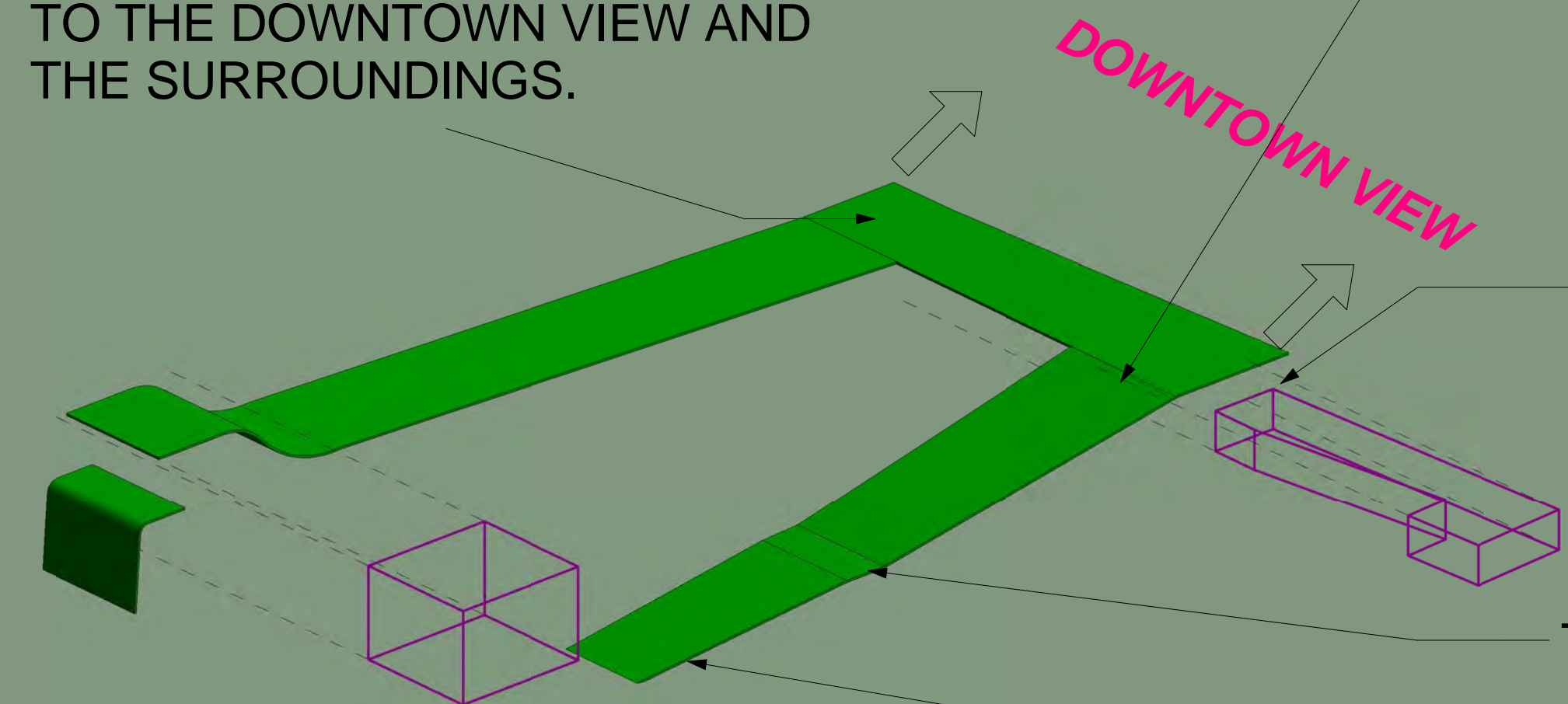


FOOD COURTS:
FOOD COURTS ARE LOCATED ON THE SECOND LEVEL, WHICH ARE ON THE TOP OF THE RETAIL STORES SO THAT PEOPLE CAN HAVE OPEN SPACE SEATING.

RETAIL STORES:
THE TWO RETAIL STORES ARE ON THE GROUND LEVEL SO, IT IS THE MOST CONVENIENT LOCATION FOR THE PEDESTRIAN. ALSO, IT CAN ATTRACT MORE PEOPLE FROM THE CORNER.

THE PROGRAM CAN JUST FIT PUT INSIDE THE SPACE OF THE SHELL.

IT IS THE PLATFORM THAT PEOPLE CAN HAVE A 360 VIEW TO THE DOWNTOWN VIEW AND THE SURROUNDINGS.



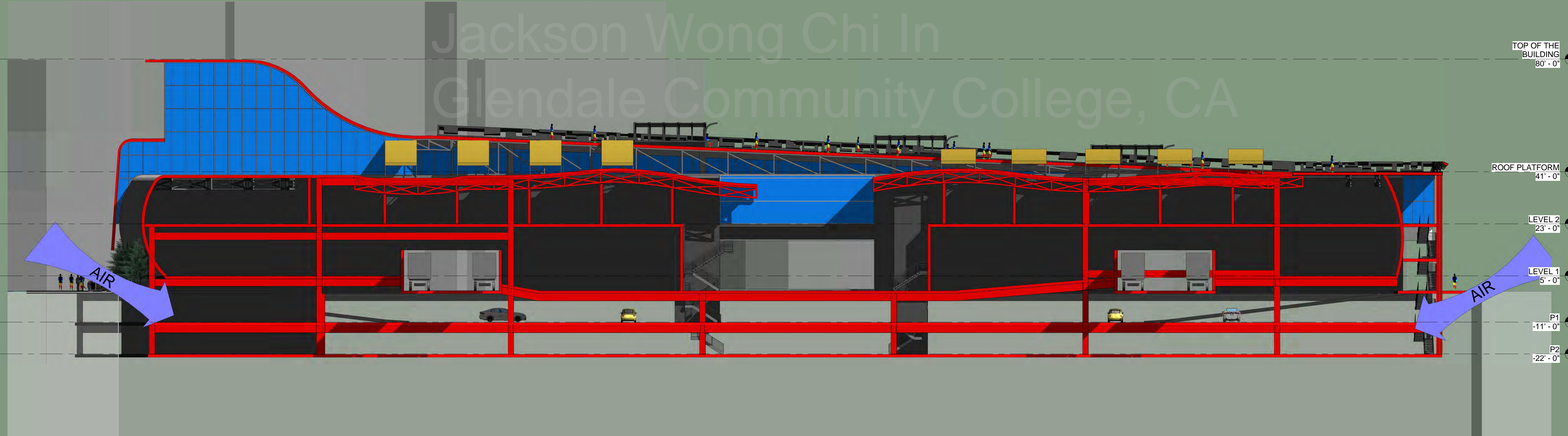
AS PEOPLE WALKING ON THE ROOF TOP, THEY WILL GET TO SEE MORE OF THE VIEW.

RESTAURANT:
THE RESTAURANT ALSO PUT UNDER THE SHELL.

THE PLATFORM CONNECT TO THE BRIDGE TO WELLER COURT.

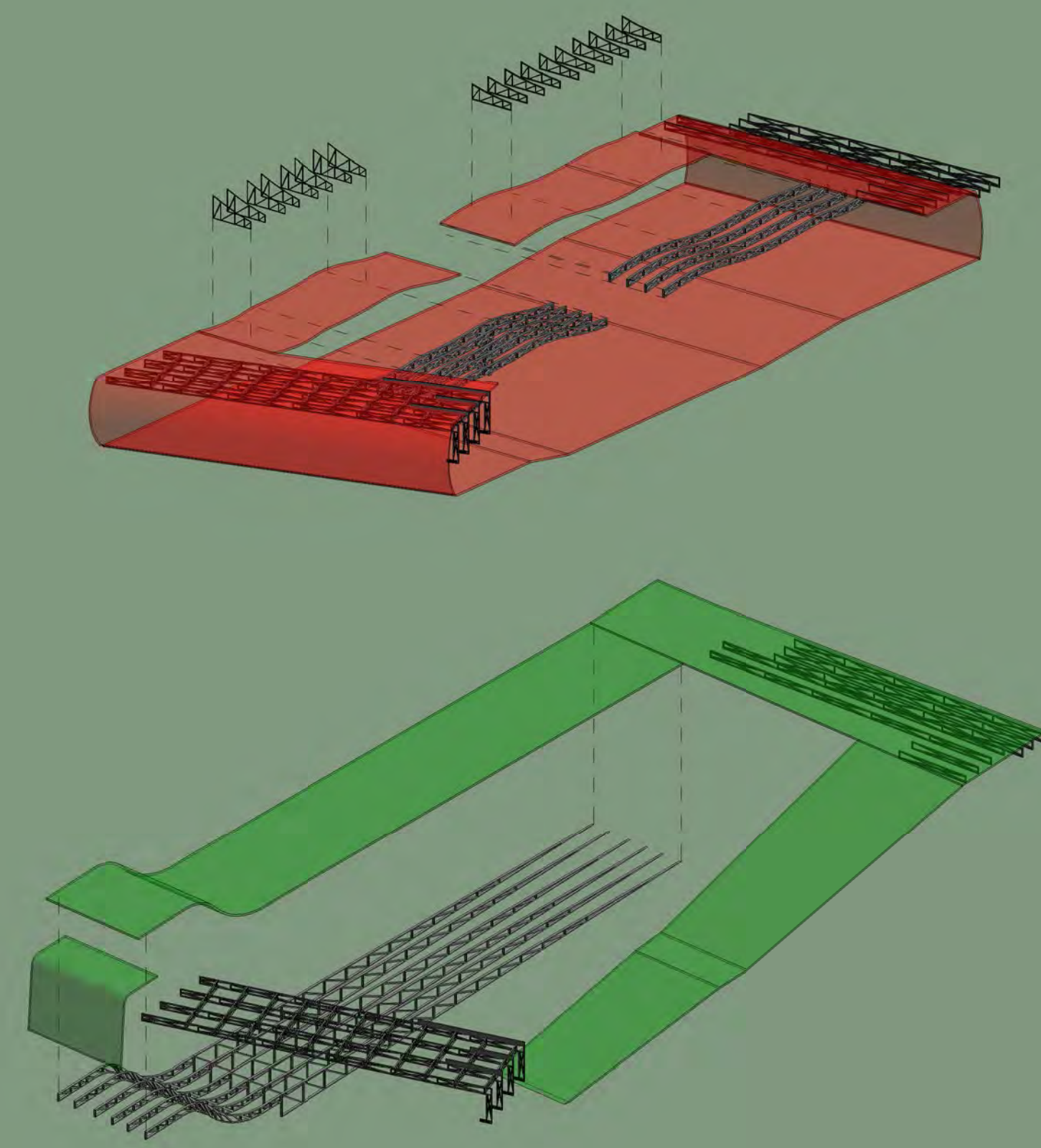
IT IS THE MOST ATTRACTIVE SPOT FROM ANOTHER CORNER OF THE STREET OF THE BUILDING. SO, THE ROOF START THERE TOO SO THAT PEOPLE CAN WALK ON IT.

THE INTERNAL SHELL LIFTS UP THE GROUND LEVEL SO THAT THERE WILL HAVE AIR GOES TO THE UNDERGROUND PARKING.

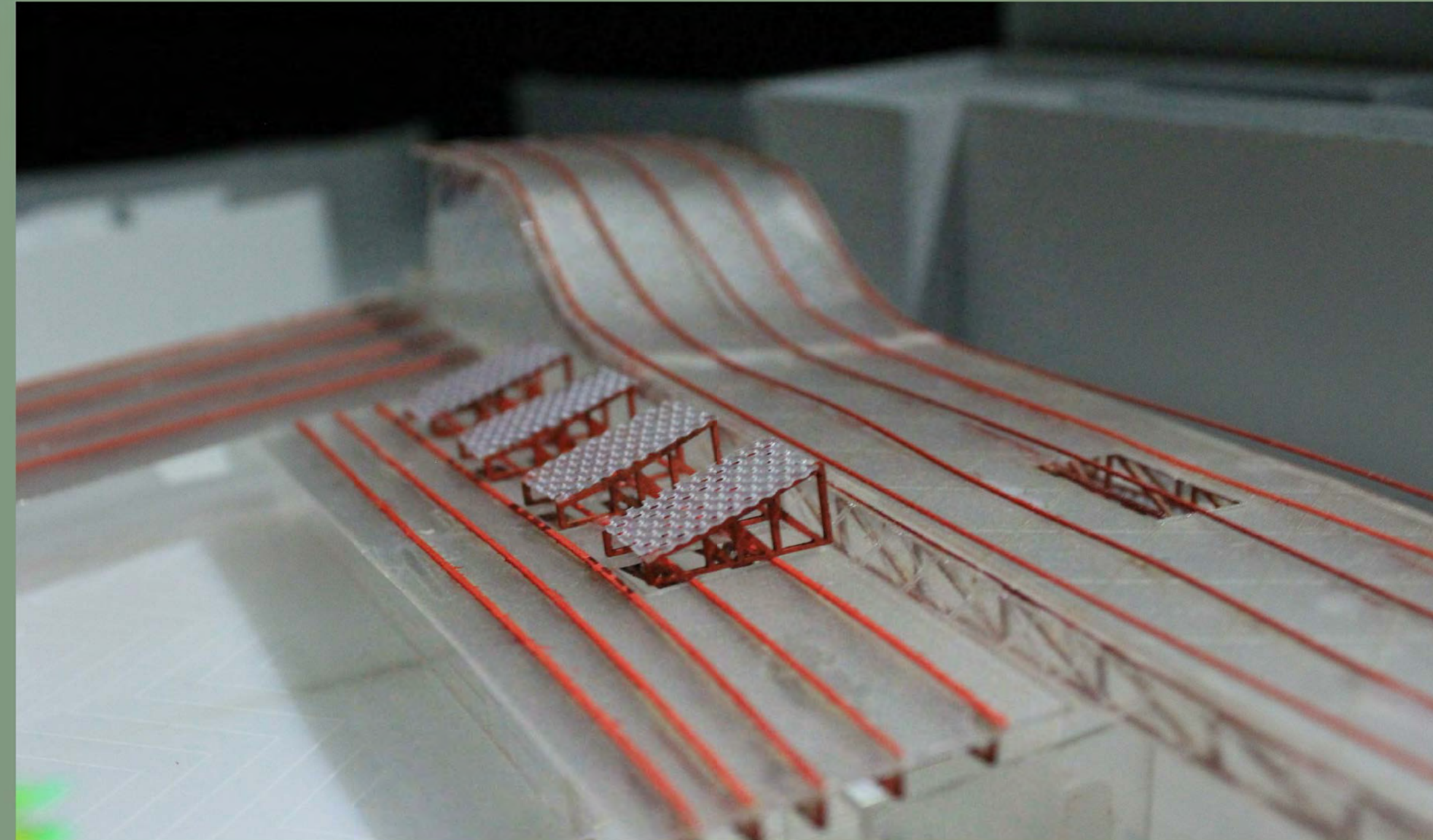


NORTH - SOUTH SECTION

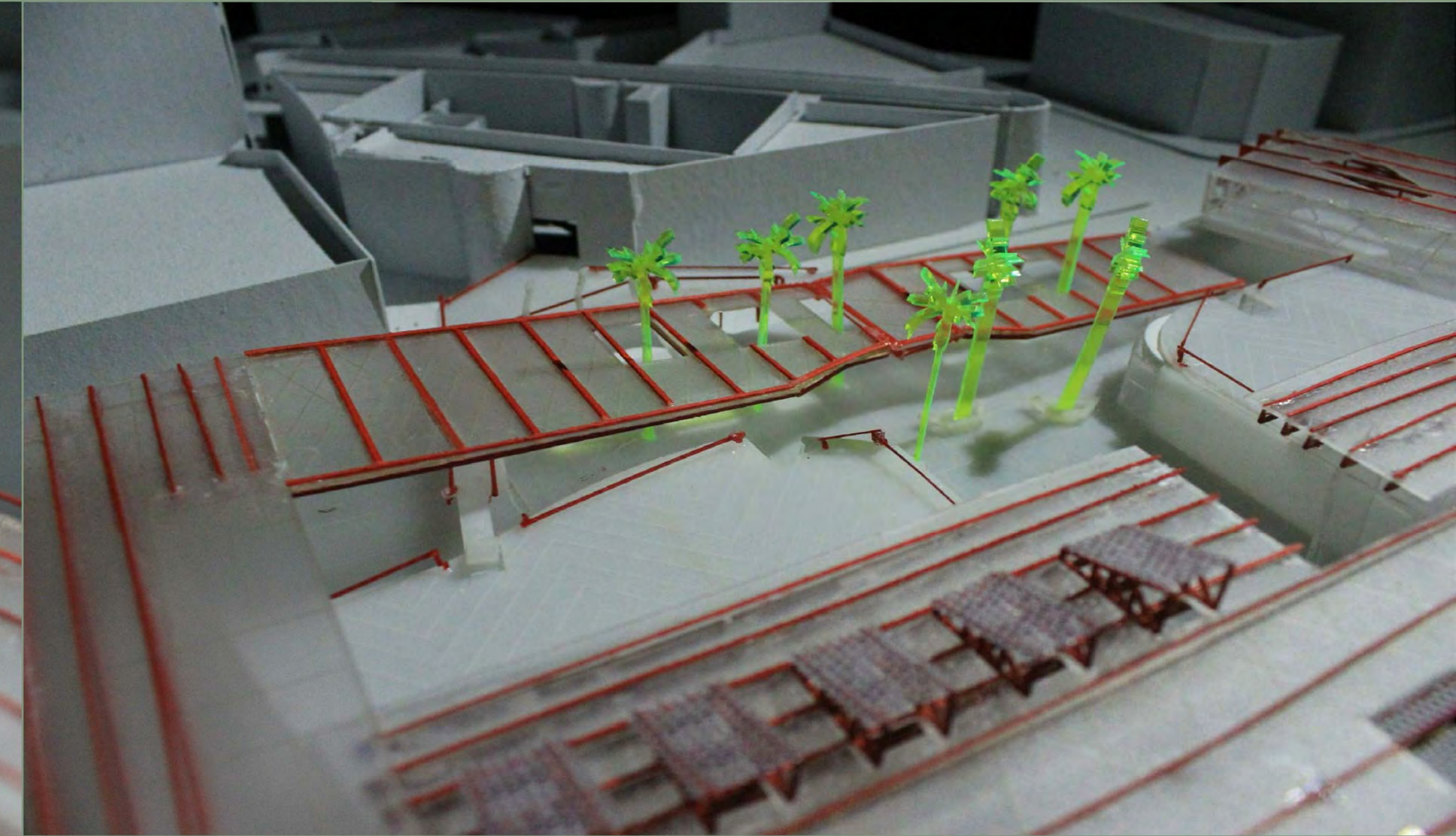
DESIGN CONCEPT:



FOR EACH SHELL, THEY HAVE THEIR OWN INDIVIDUAL TRUSS TO SUPPORT.



DETAILS OF THE ROOF

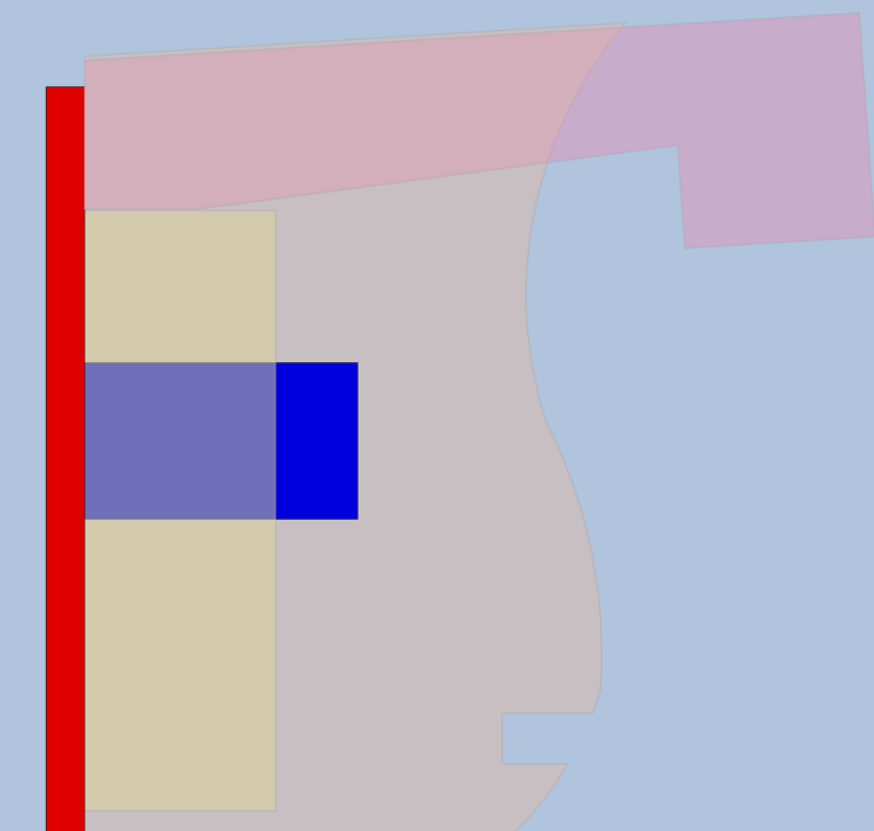


DETAILS OF THE BRIDGE

SERVICE CORRIDOR:

LEVEL 1: THE SERVICE CORRIDOR LOCATE CLOSE TO THE PARKING ENTRANCE. IT HAS TO SPLIT INTO TWO BECAUSE THE DROP OFF AREA RIGHT AT THE MIDDLE. IT MAINLY SERVE THE RETAIL STORES.

LEVEL 2: THE SERVICE LOCATE RIGHT NEXT TO THE OFFICE, AND IT MAINLY SERVE THE RESTAURANTS AND FOOD COURTS



- RECEIVING CENTER
- SERVICE CORRIDOR
- RESTAURANTS
- RETAIL STORES
- FOOD COURTS

LEVEL 1 SERVICE CORRIDOR

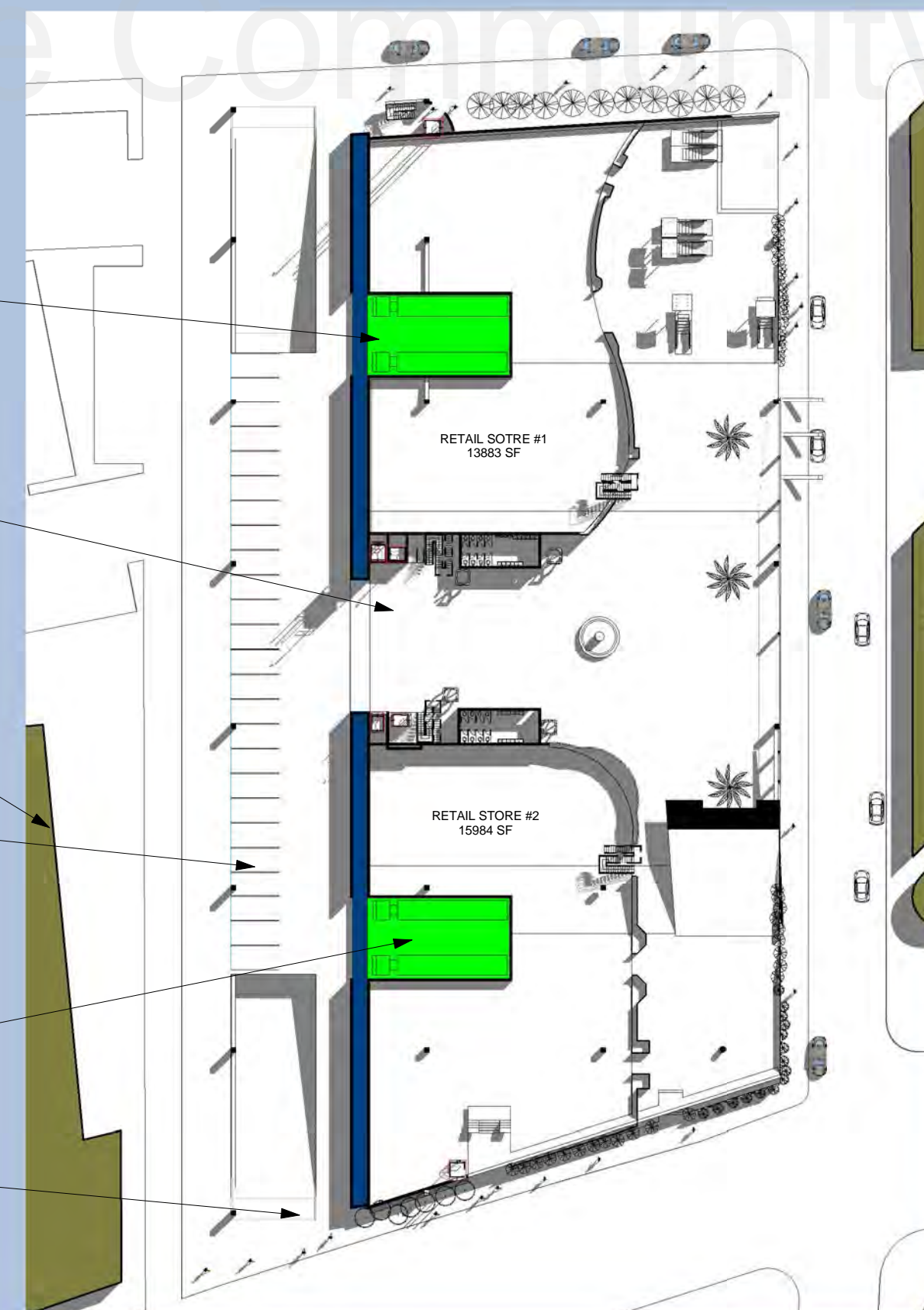
DROP-OFF AREA

APARTMENT BUILDING

ON-SITE PARKING

RECEIVING CENTER

ENTRANCE OF PARKING



RESTAURANT

FOOD COURTS

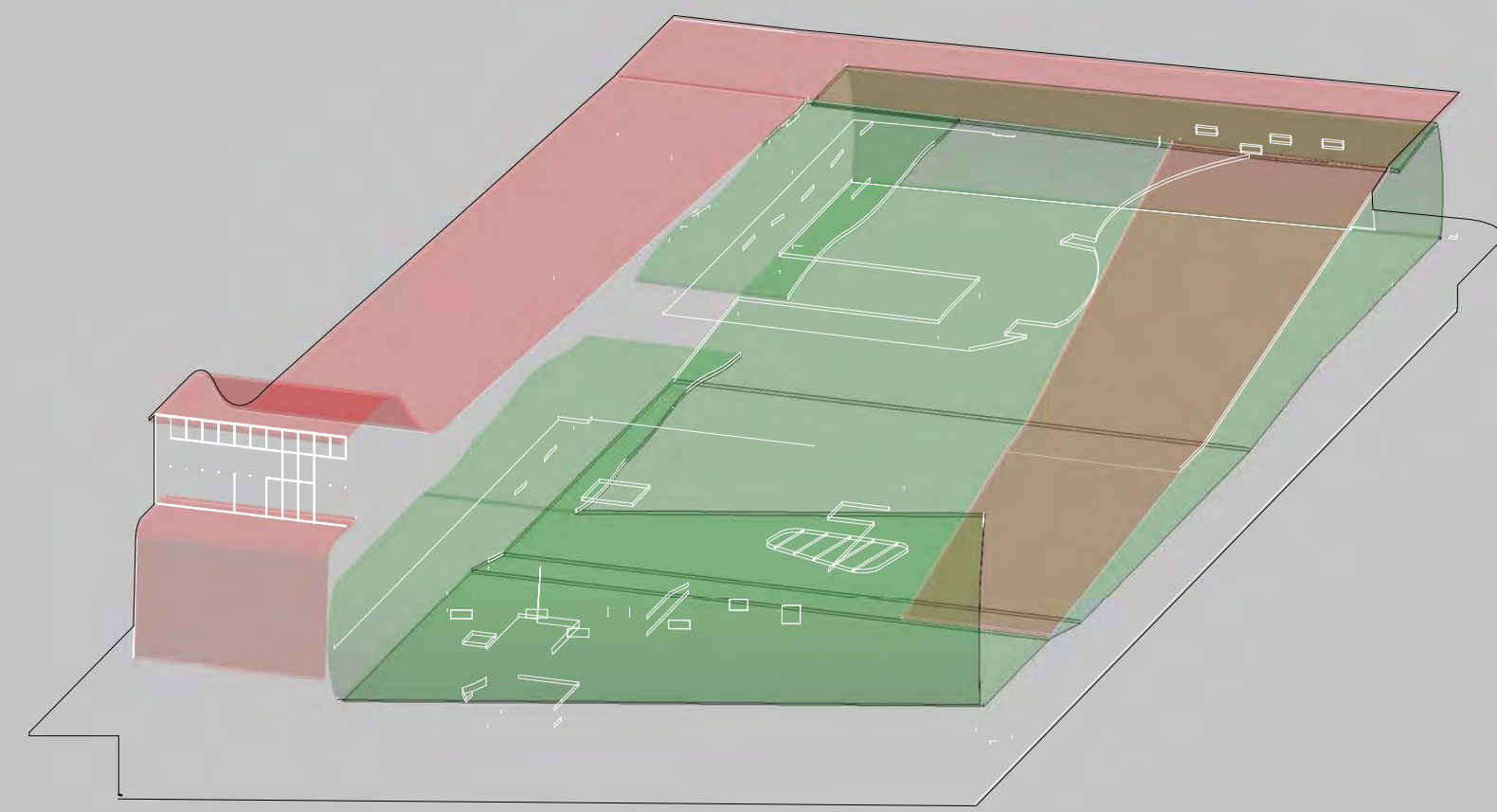
LEVEL 2 SERVICE CORRIDOR

OFFICE

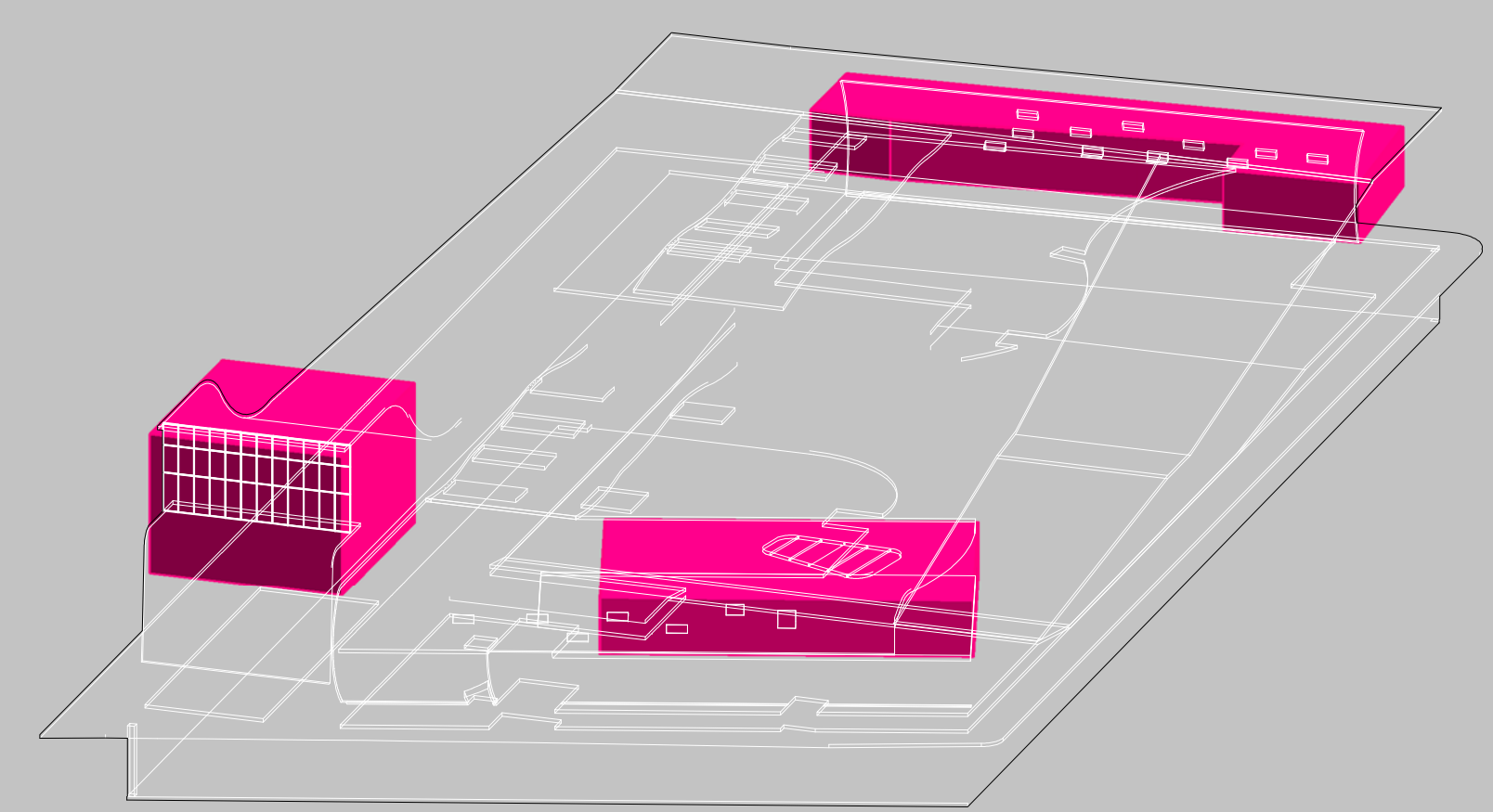
FOOD COURTS

RESTAURANT

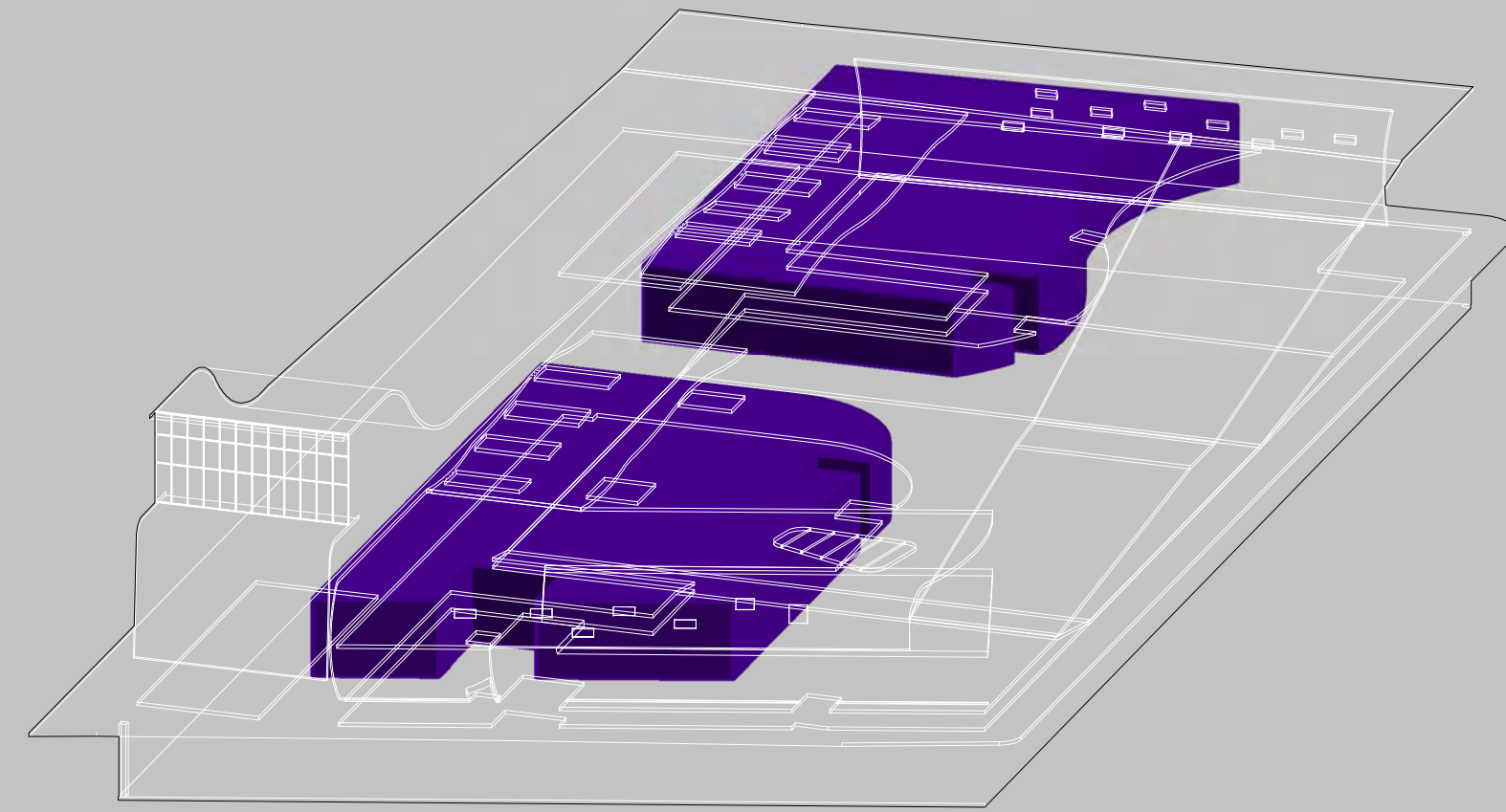




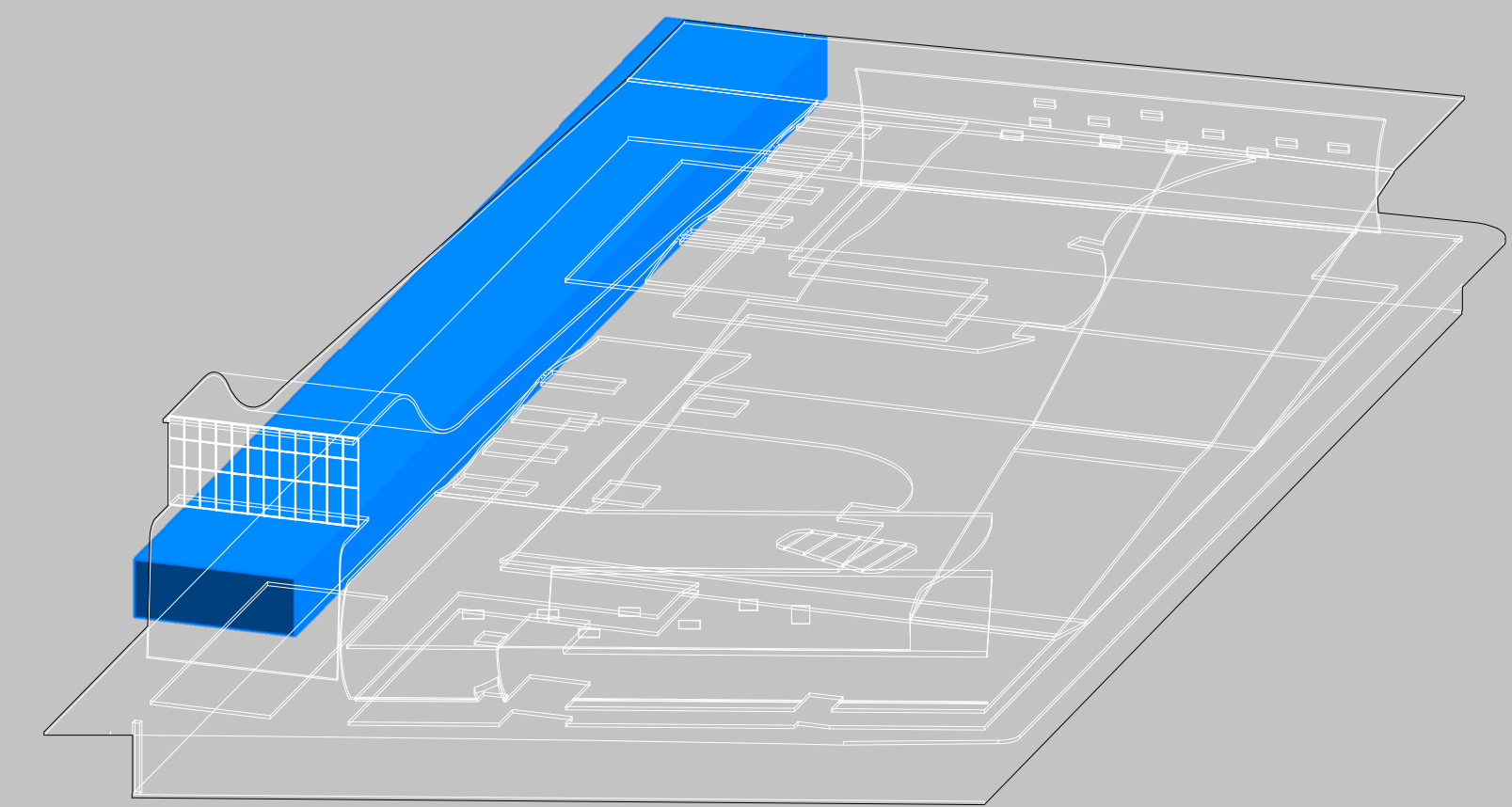
PARTI DIAGRAM



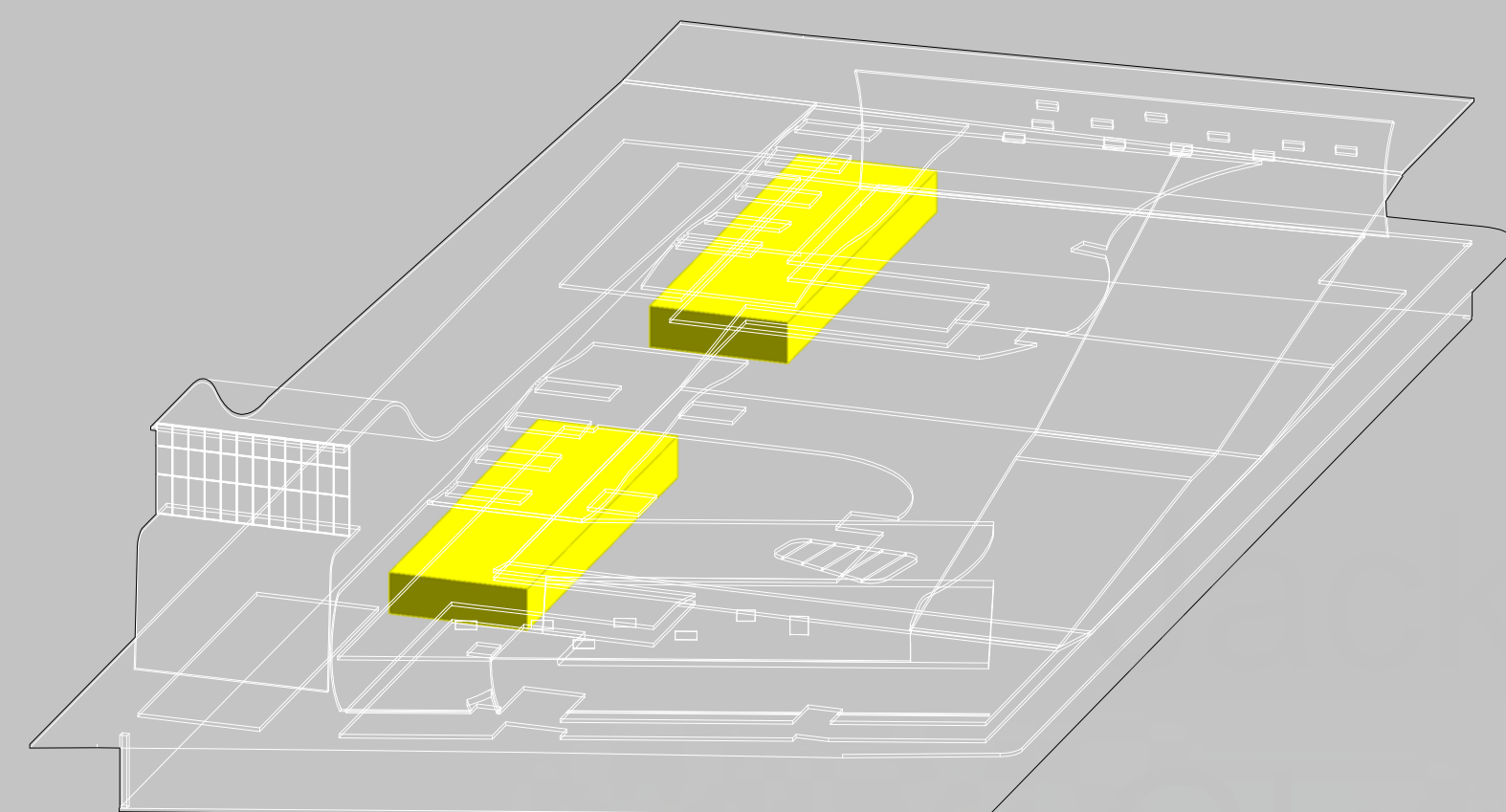
RESTAURANTS



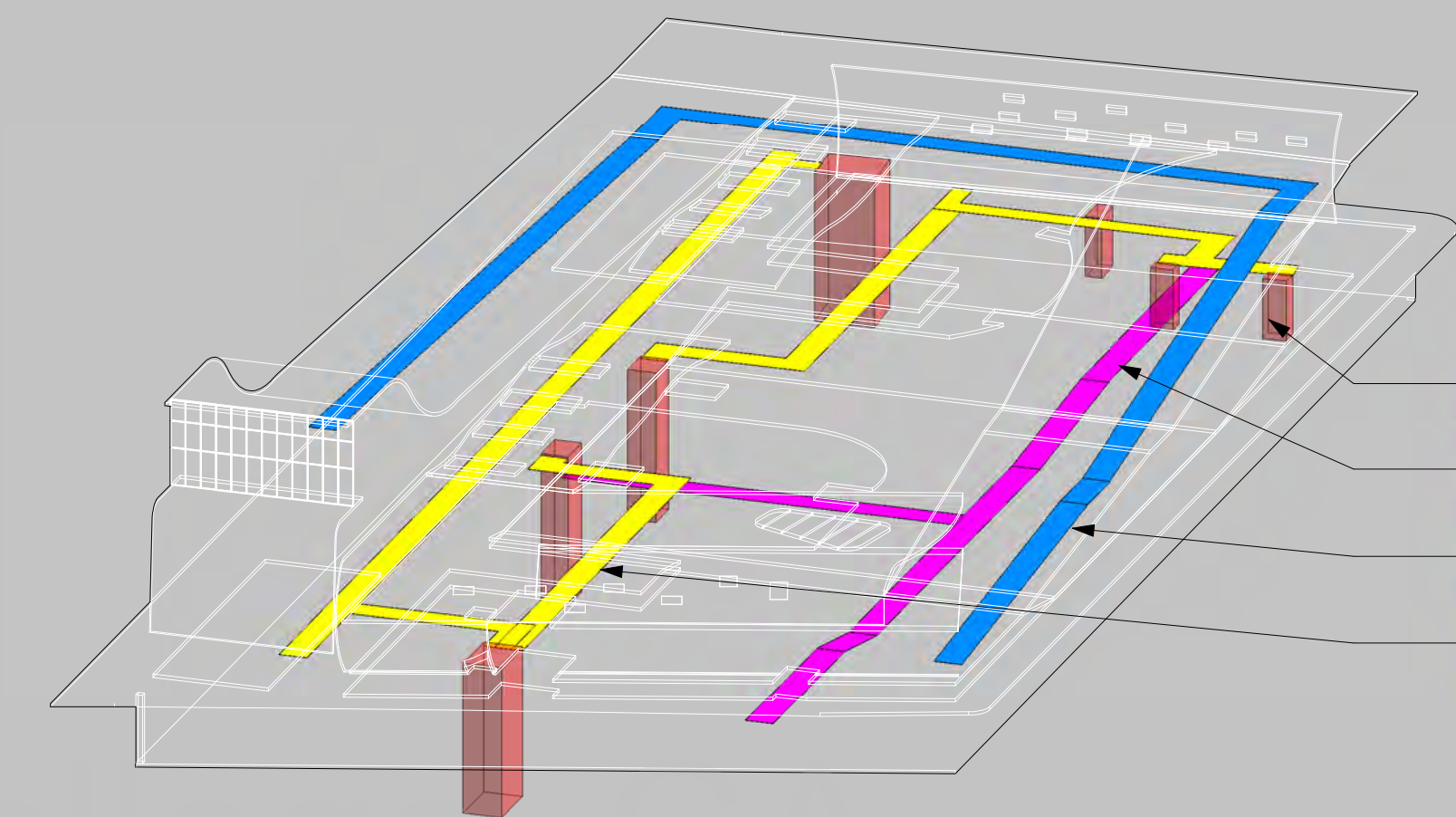
RETAIL STORES



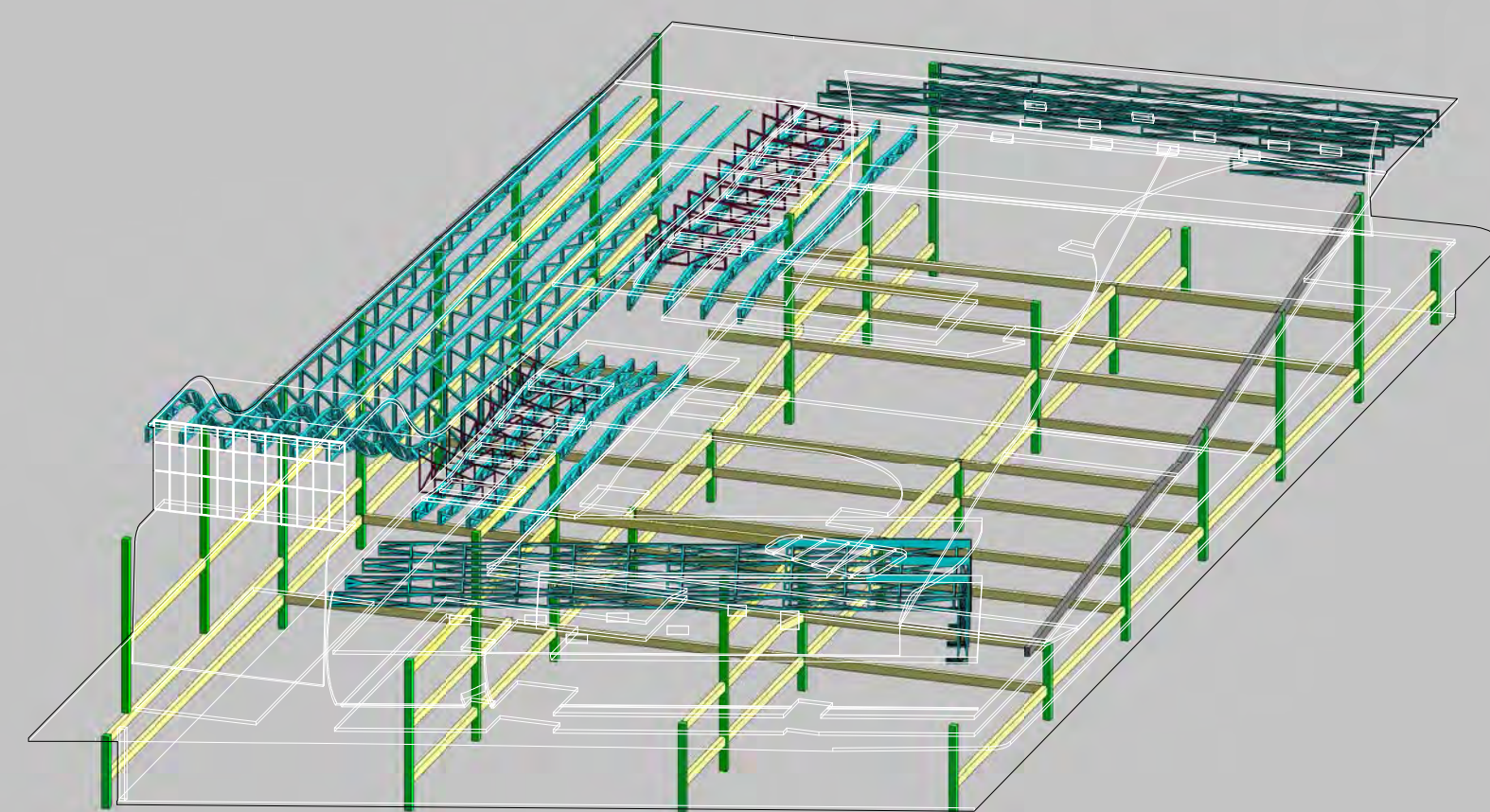
OFFICE



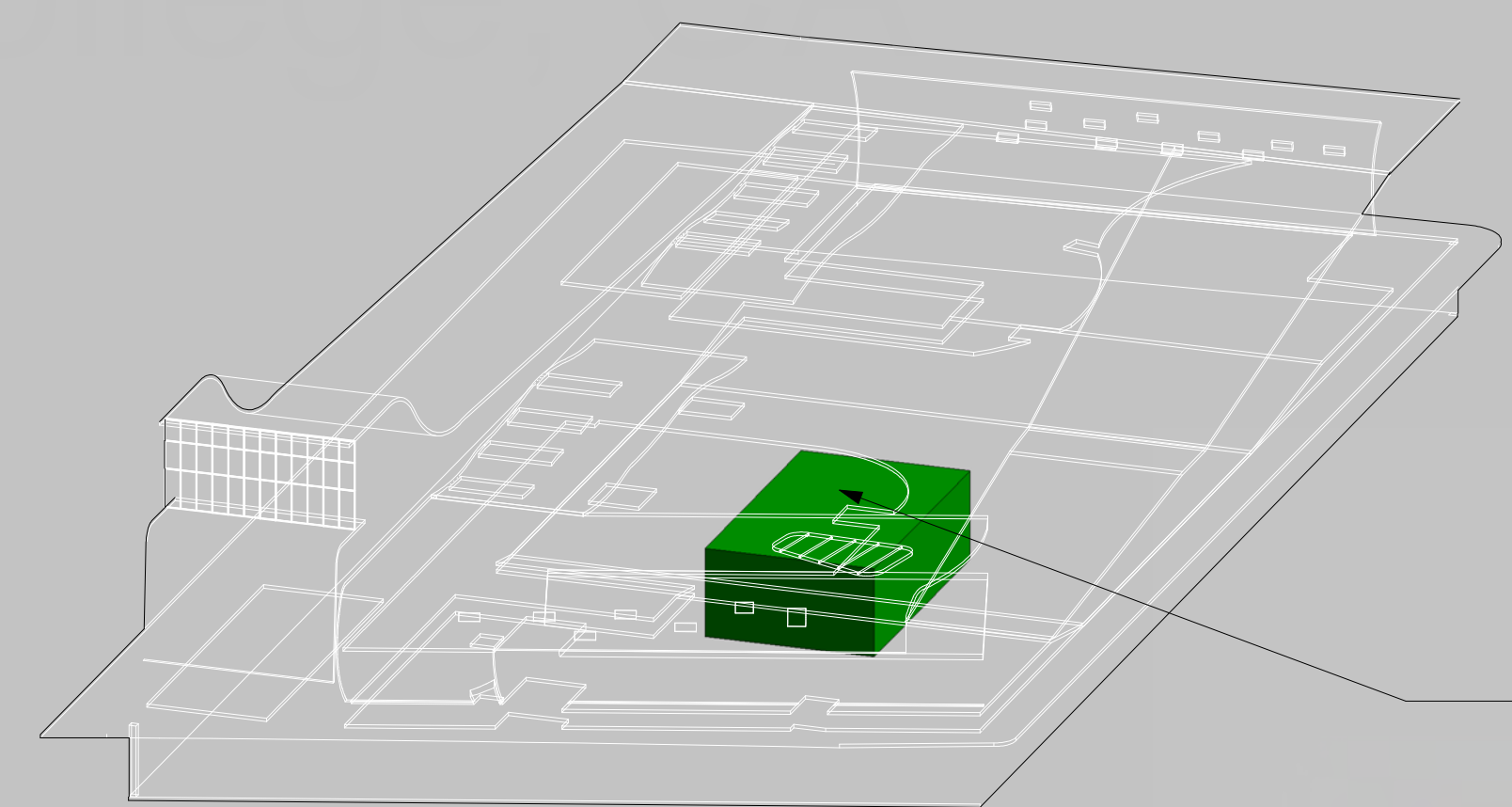
FOOD COURTS



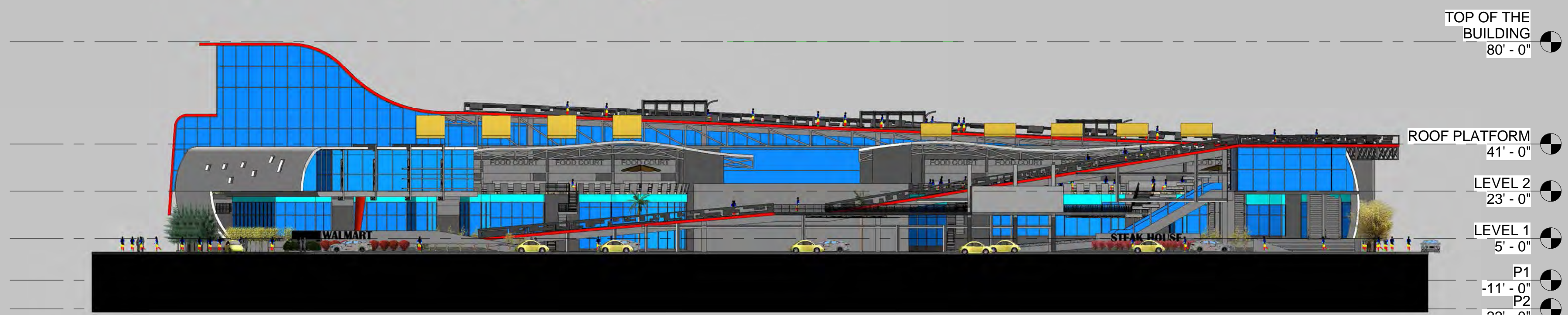
CIRCULATION TOWER
 GROUND LEVEL CIRCULATION
 ROOF TOP CIRCULATION
 LEVEL 2 CIRCULATION
 CIRCULATION DIAGRAM



STRUCTURE DIAGRAM



PERFORMANCE AREA



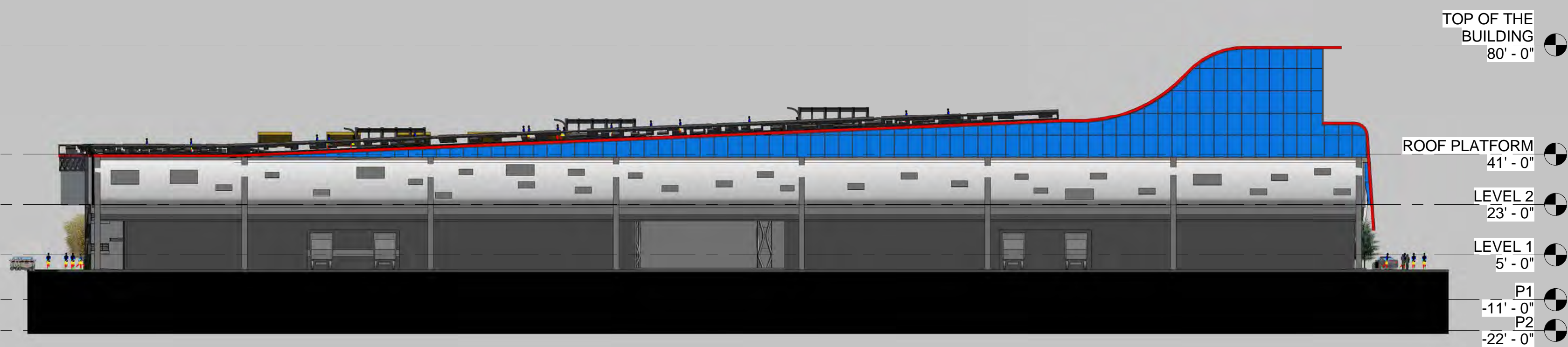
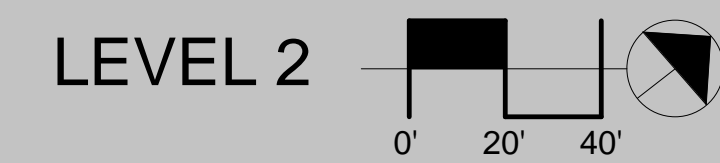
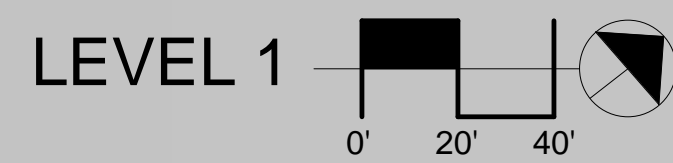
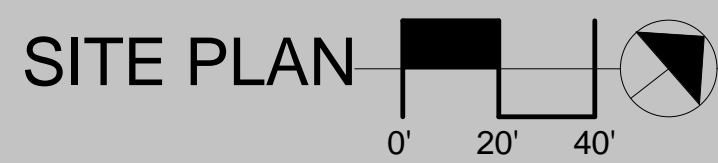
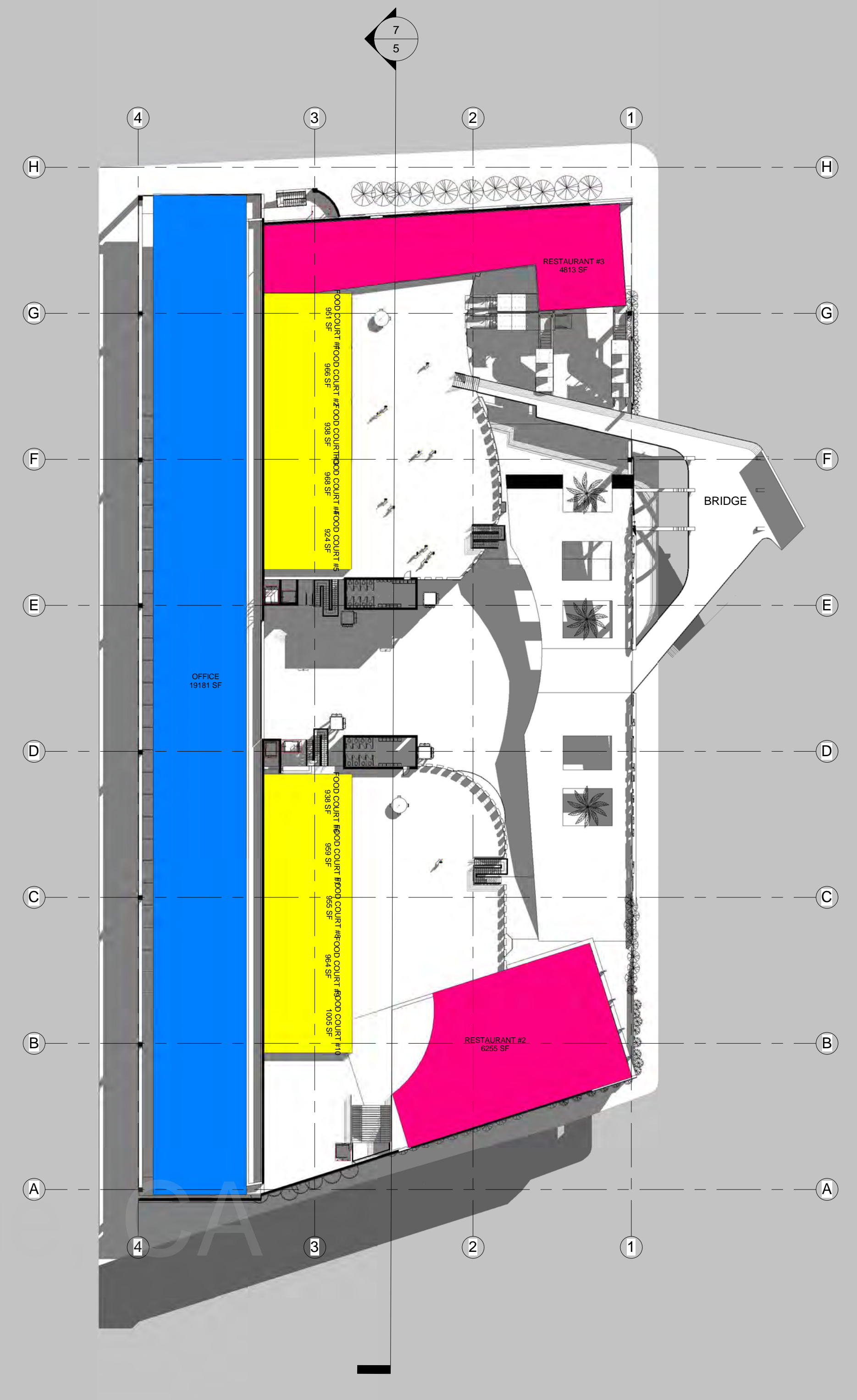
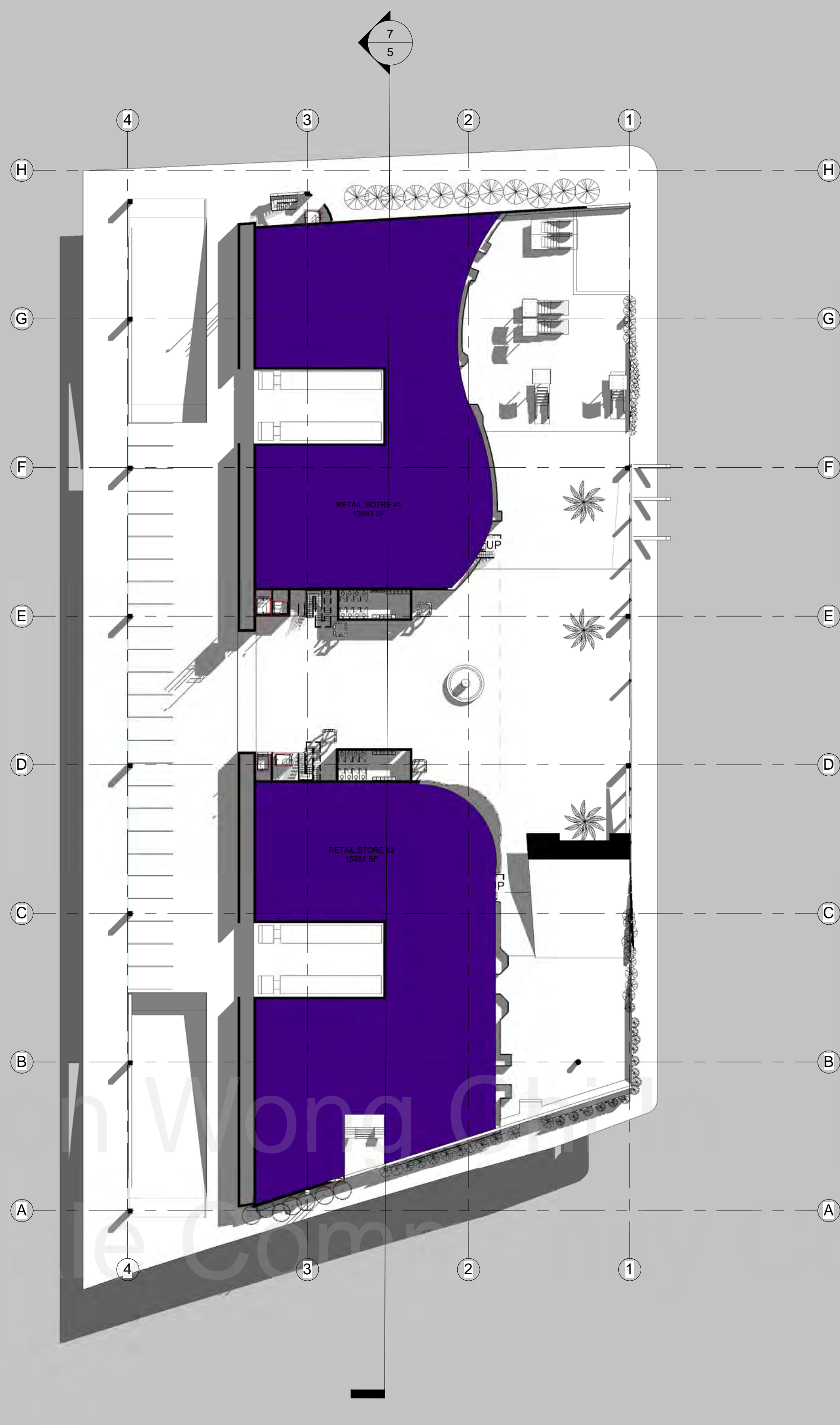
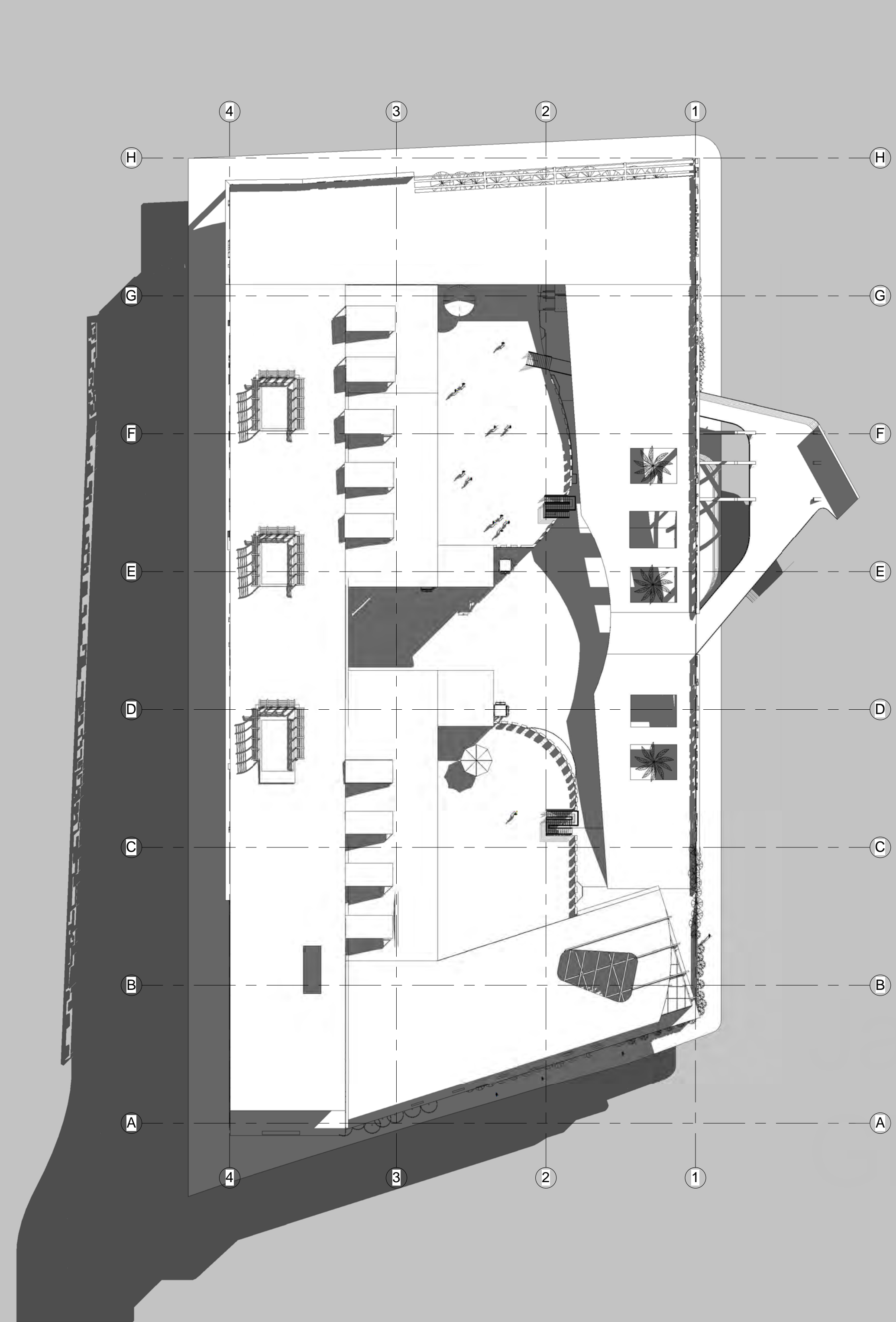
EAST ELEVATION

TOP OF THE BUILDING 80' - 0"
 ROOF PLATFORM 41' - 0"
 LEVEL 2 23' - 0"
 LEVEL 1 5' - 0"
 P1 -11' - 0"
 P2 -22' - 0"



NORTH ELEVATION

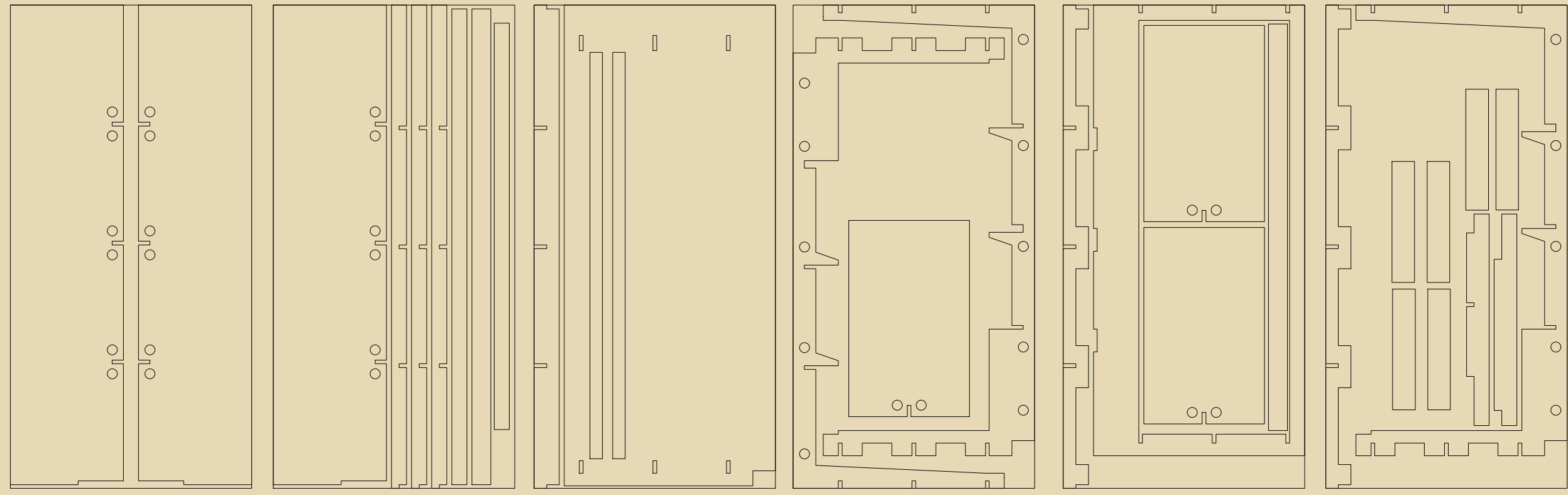
TOP OF THE BUILDING 80' - 0"
 ROOF PLATFORM 41' - 0"
 LEVEL 2 23' - 0"
 LEVEL 1 5' - 0"
 P1 -11' - 0"
 P2 -22' - 0"



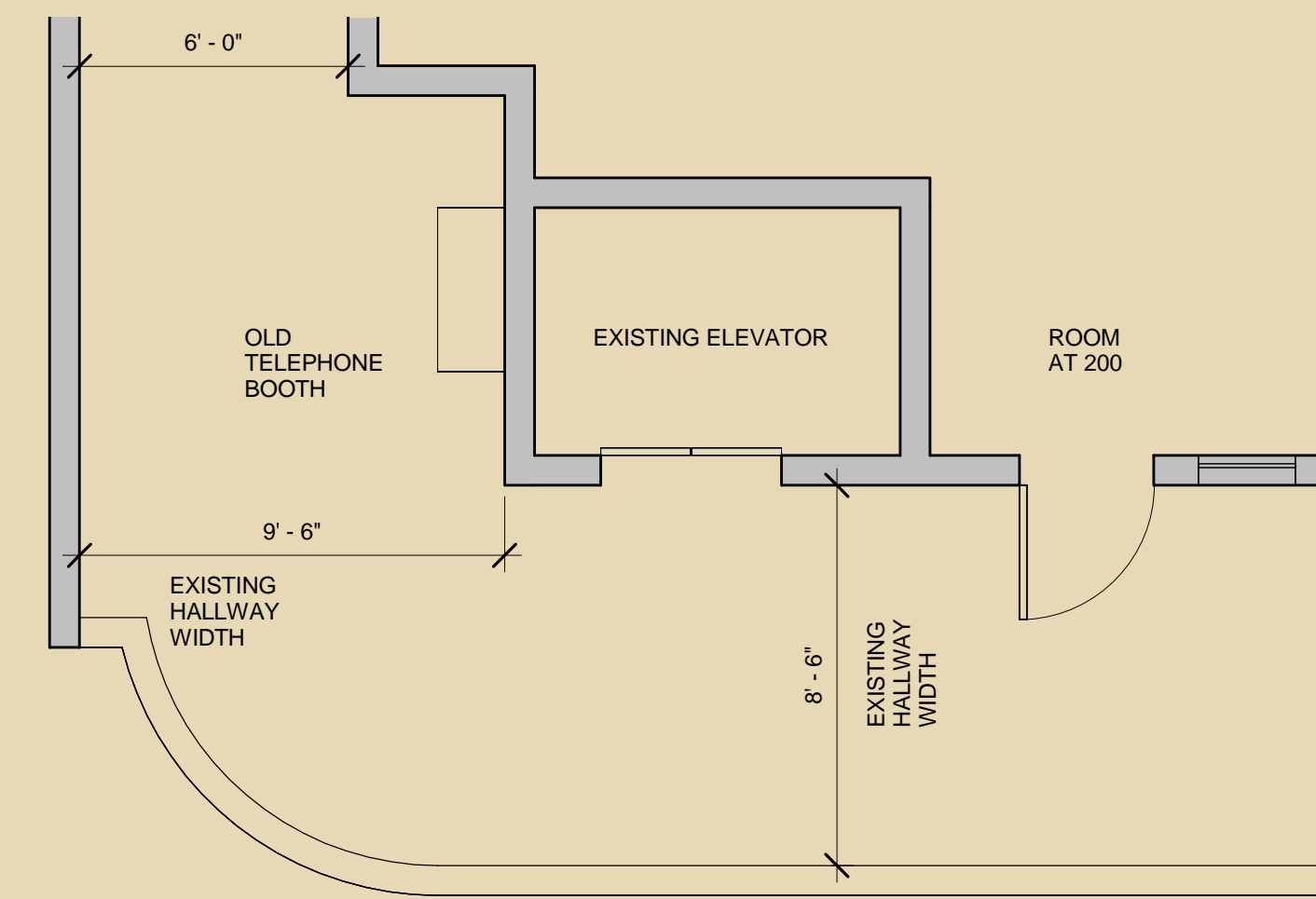
WEST ELEVATION

SOUTH ELEVATION

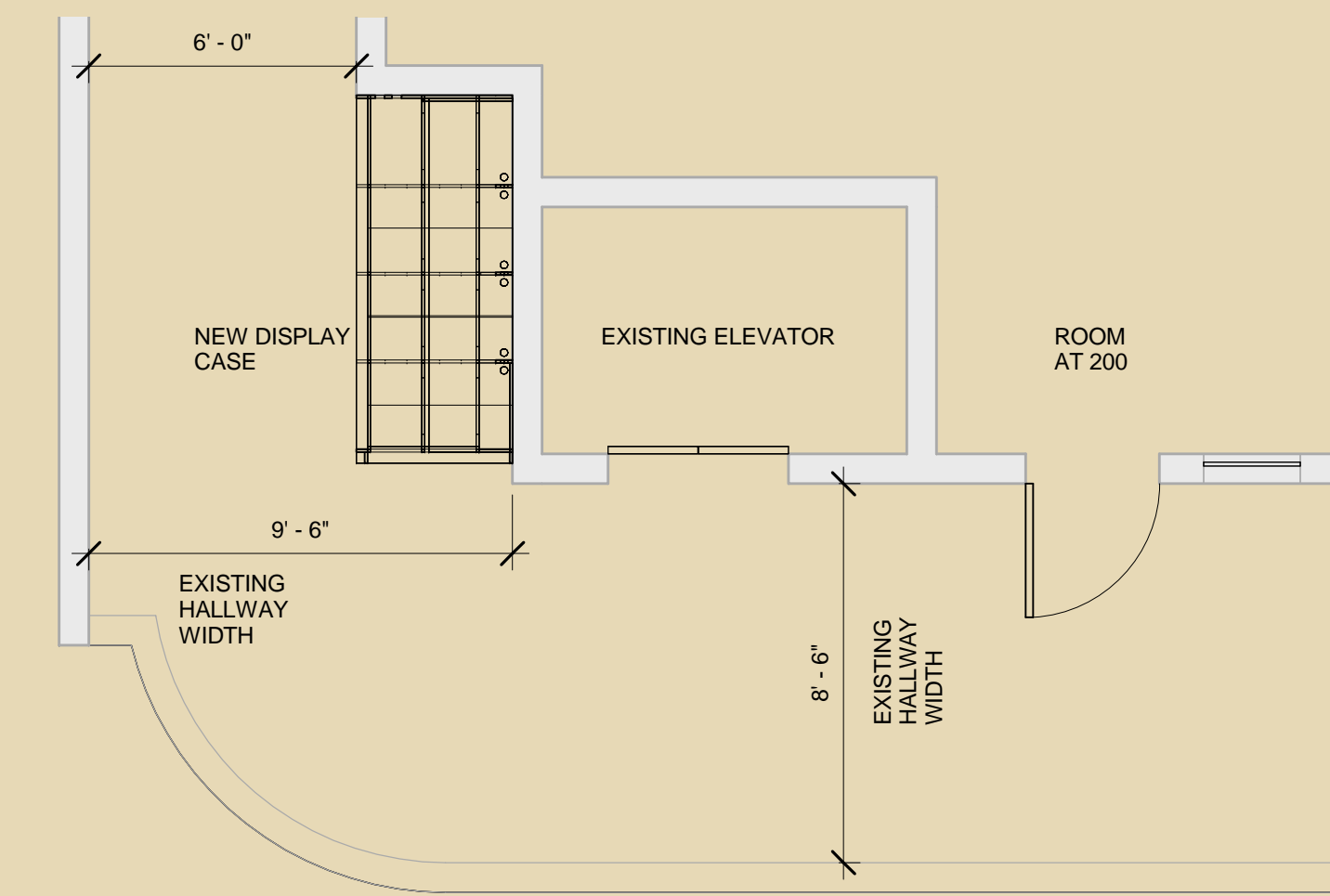
DISPLAY CASE COLLABORATION PROJECTS WITH MANUFACTURING DEPARTMENT



PIECES LAYOUT FOR CNC ROUTERING



EXISTING FLOOR PLAN



FLOOR PLAN AFTER FINISH

PROJECT DESCRIPTION:

STUDENTS WERE ASKED TO DEVELOP THE HALLWAY IN THE ADVANCED TECHNOLOGY BUILDING IN GLENDALE COMMUNITY COLLEGE. STUDENT'S TASK WAS TO MANUFACTURE AND CONSTRUCT A NEW DISPLAY CASE TO REPLACE THE EXISTING OLD TELEPHONE BOOTH.

SITE INFORMATION:

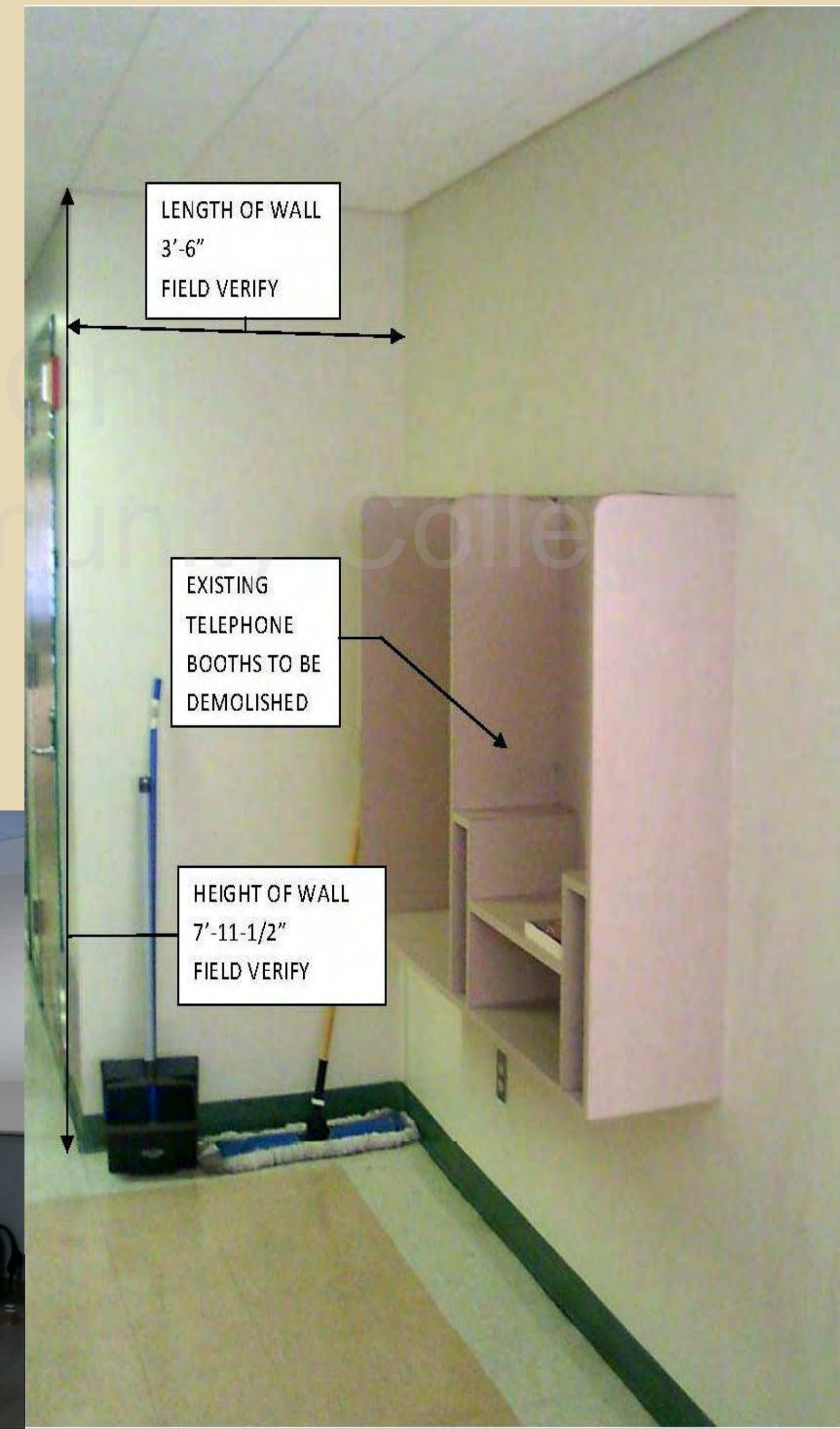
THE SITE IS LOCATED AT AT BUILDING THE CORNER . RIGHT NEXT TO THE ELEVATOR AND ROOM AT200.THE CEILING HEIGHT IS 7' 11 1/2" TALL. 3' 6" FOR THE WIDTH.8' 8 1/2" FOR THE LENGTH.

INFORMATION ABOUT THE DESIGN:

THE DISPLAY CASE IS 7'-5 1/2" IN HEIGHT, 3'-6" IN WIDTH, AND 8'-3" IN LENGTH. THE WHOLE THING IS MADE OUT OF 6 PIECES OF 4' X 8' FIRE RATED PLYWOOD BOARDS. THE CASE HAS 3 LEVELS.

PROJECT OBJECTIVE:

THE DISPLAY CASE AIMS TO DISPLAY STUDENTS' ARCHITECTURAL MODELS WHICH BUILT BY STUDENTS TO PEOPLE.ALSO, THE INFORMATION ABOUT THE ARCHITECTURE PROGRAM WILL ALSO BE INCLUDED. EVEN PASSERSBY CAN KNOW MORE ABOUT ARCHITECTURE PROGRAM .



DAY 1



- DEMOLISH THE OLD TELEPHONE BOOTH

DAY 2



- ASSEMBLE AND REINFORCE THE PIECES

DAY 3



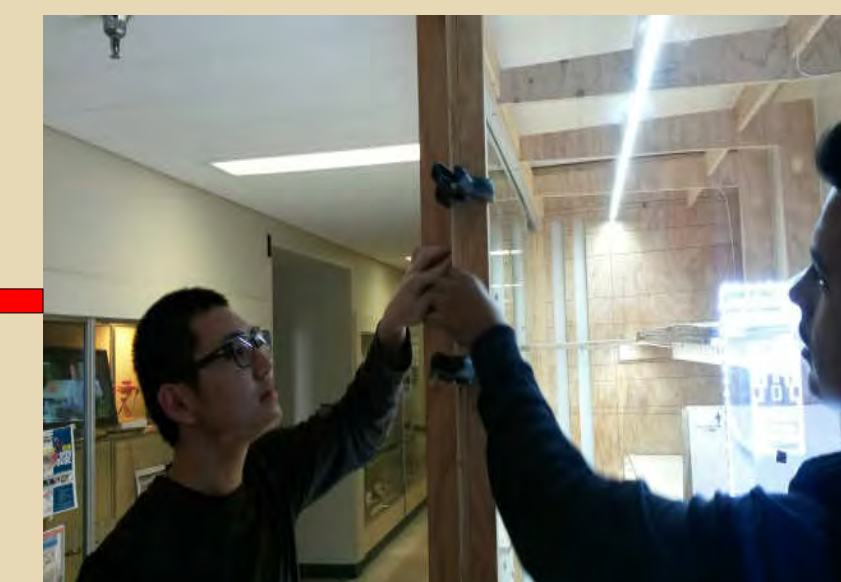
- BASIC FRAME FINISHED

DAY 4



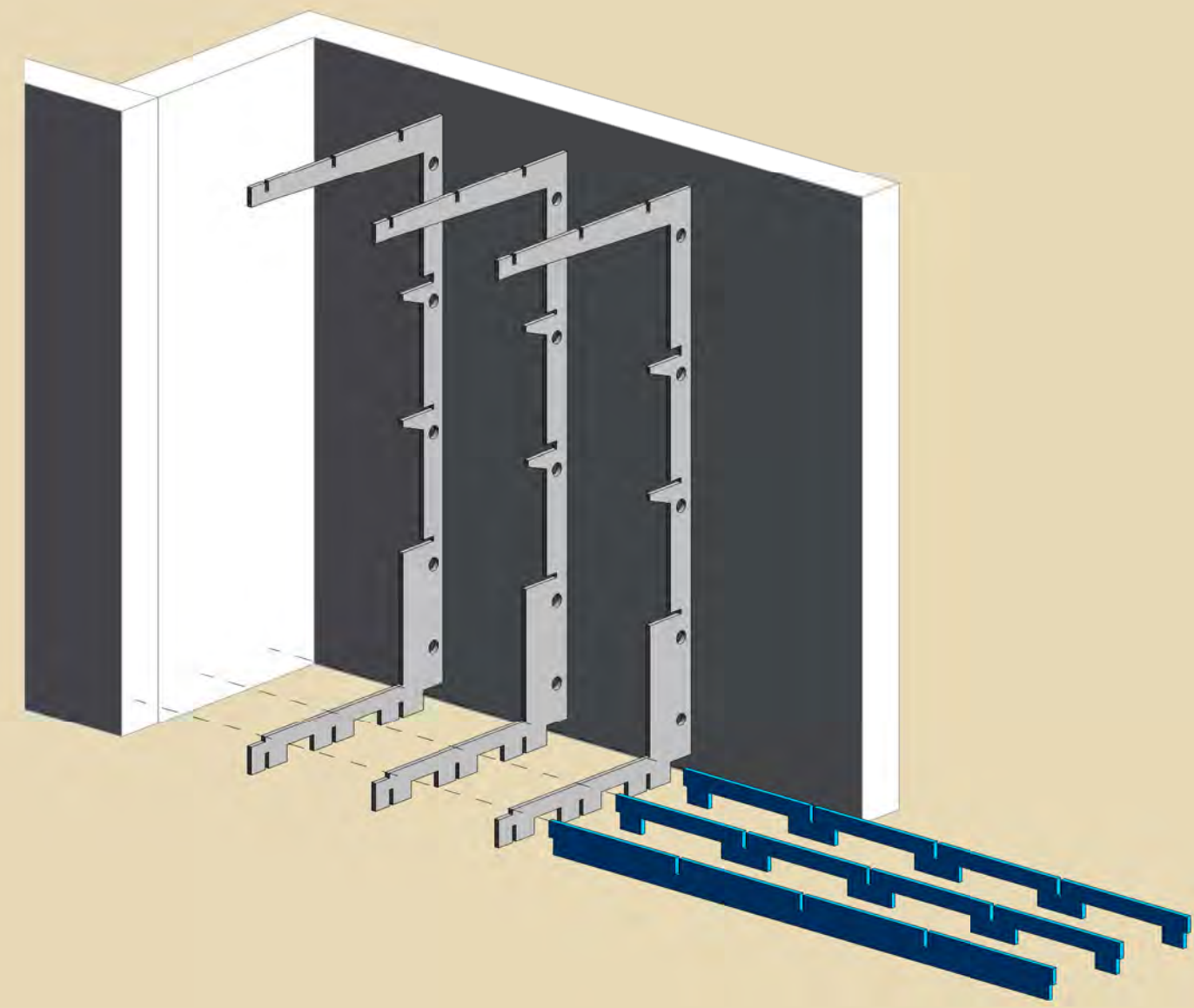
- SET UP LED LIGHTING CONTROLS

DAY 5

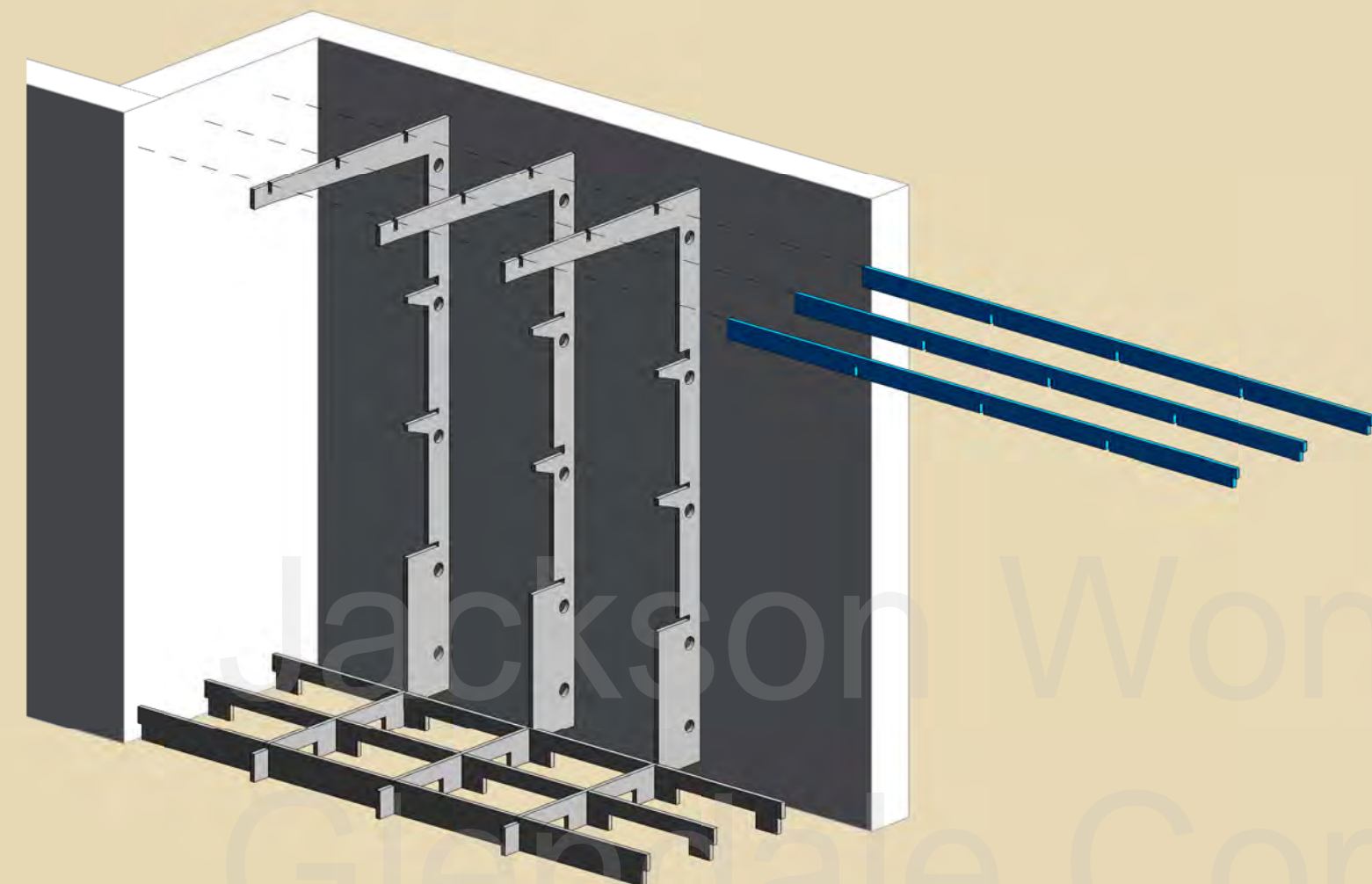


- REINFORCING THE TEMPERED GLASS

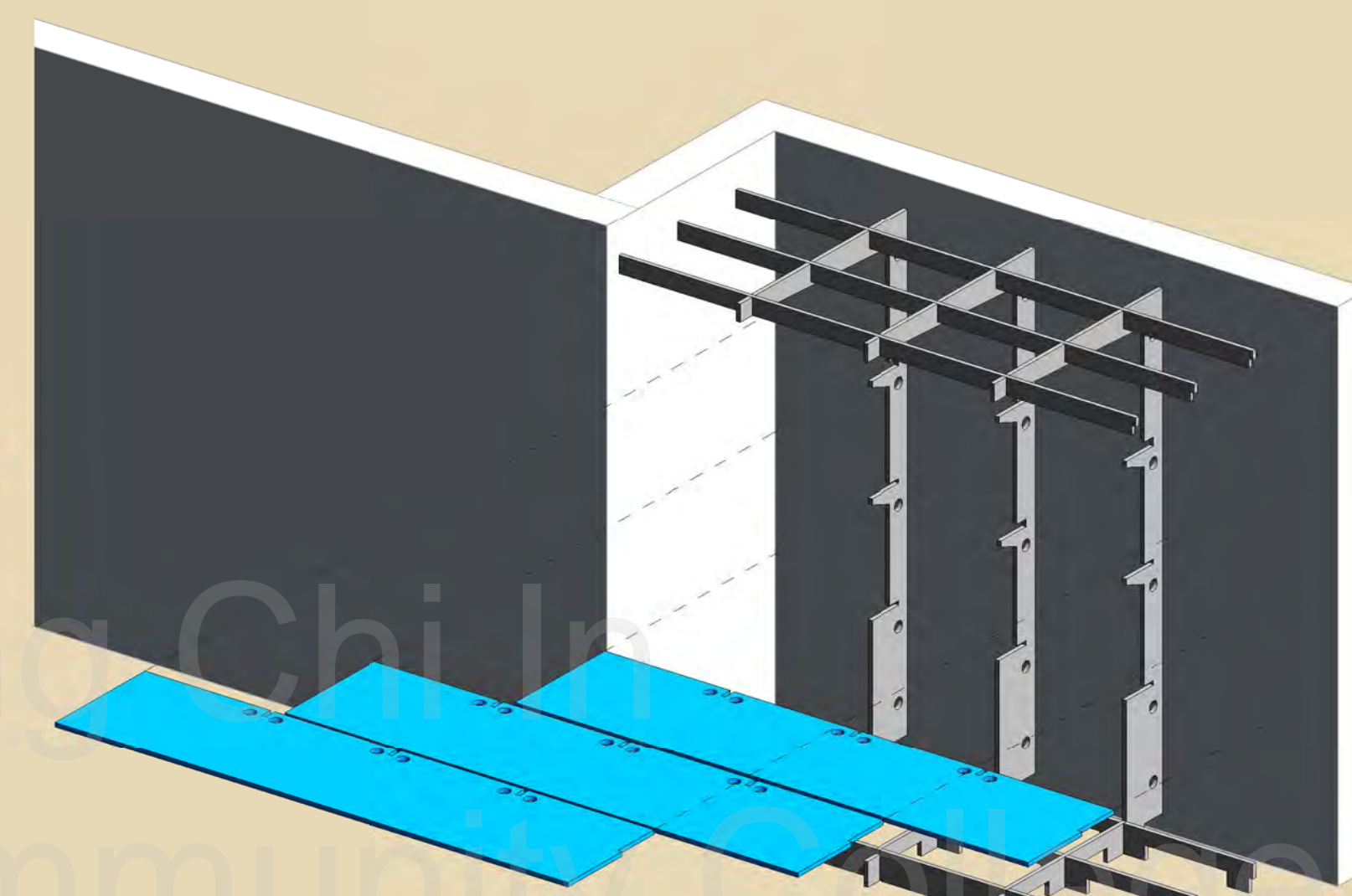
ASSEMBLING PROCESS:



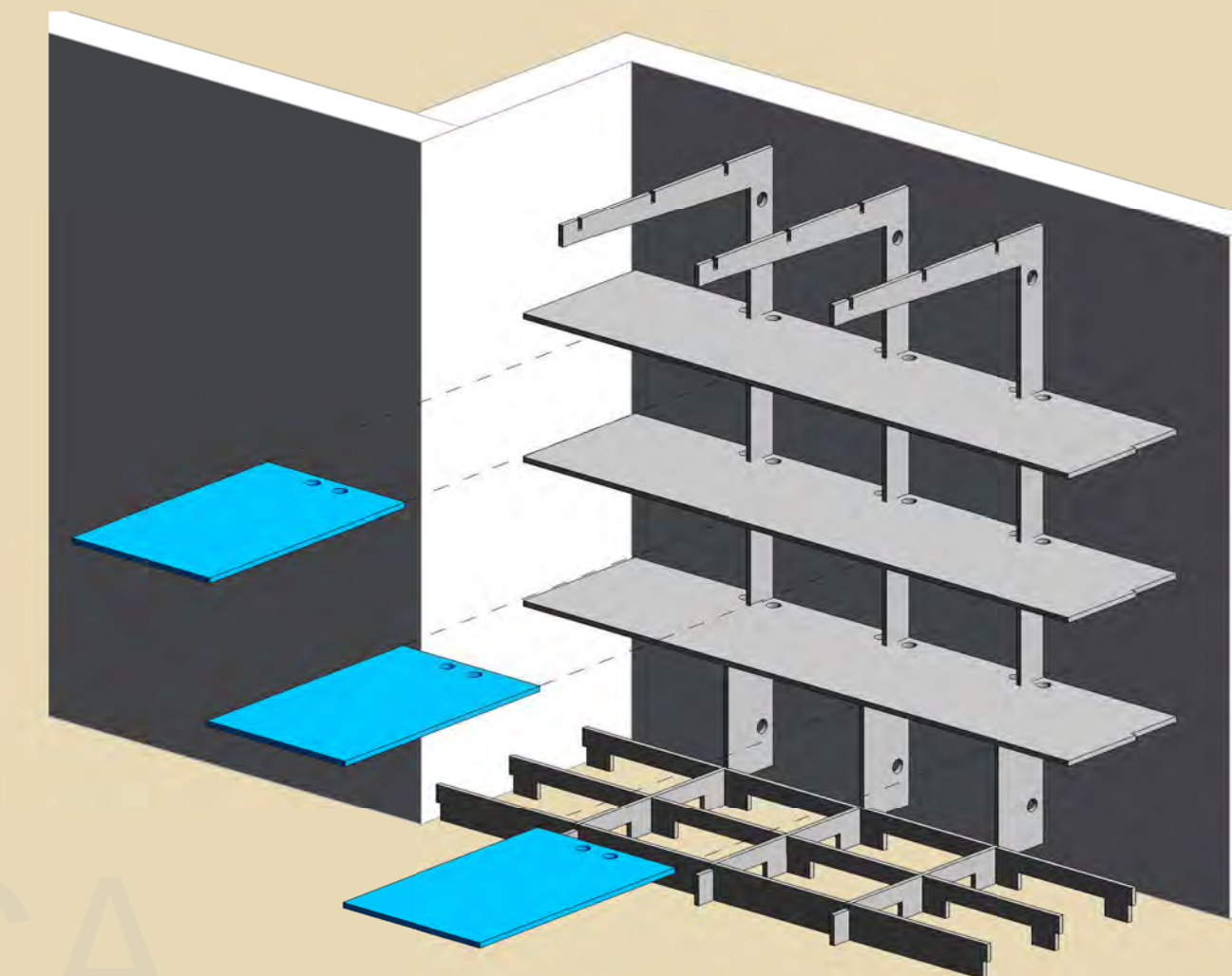
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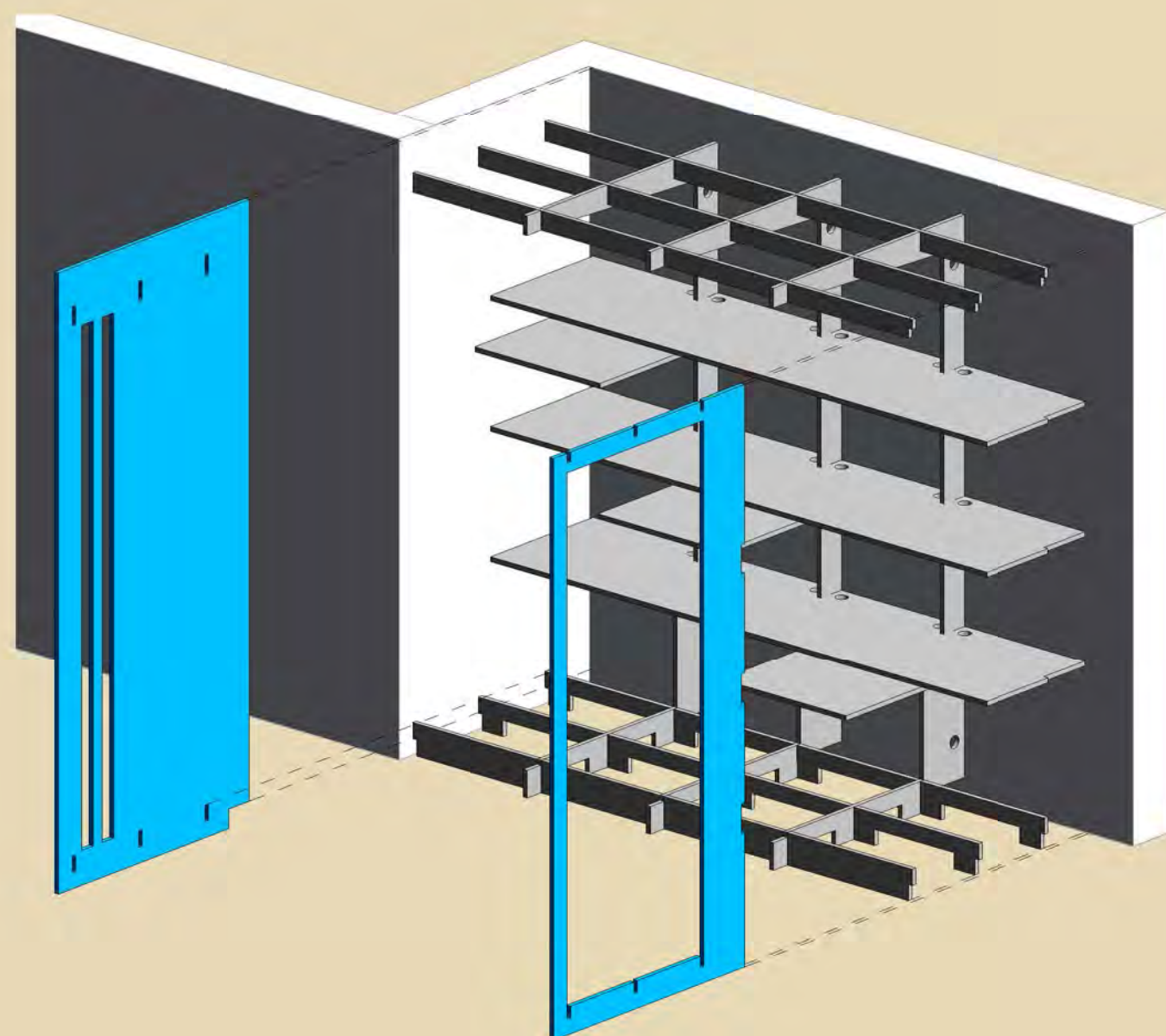
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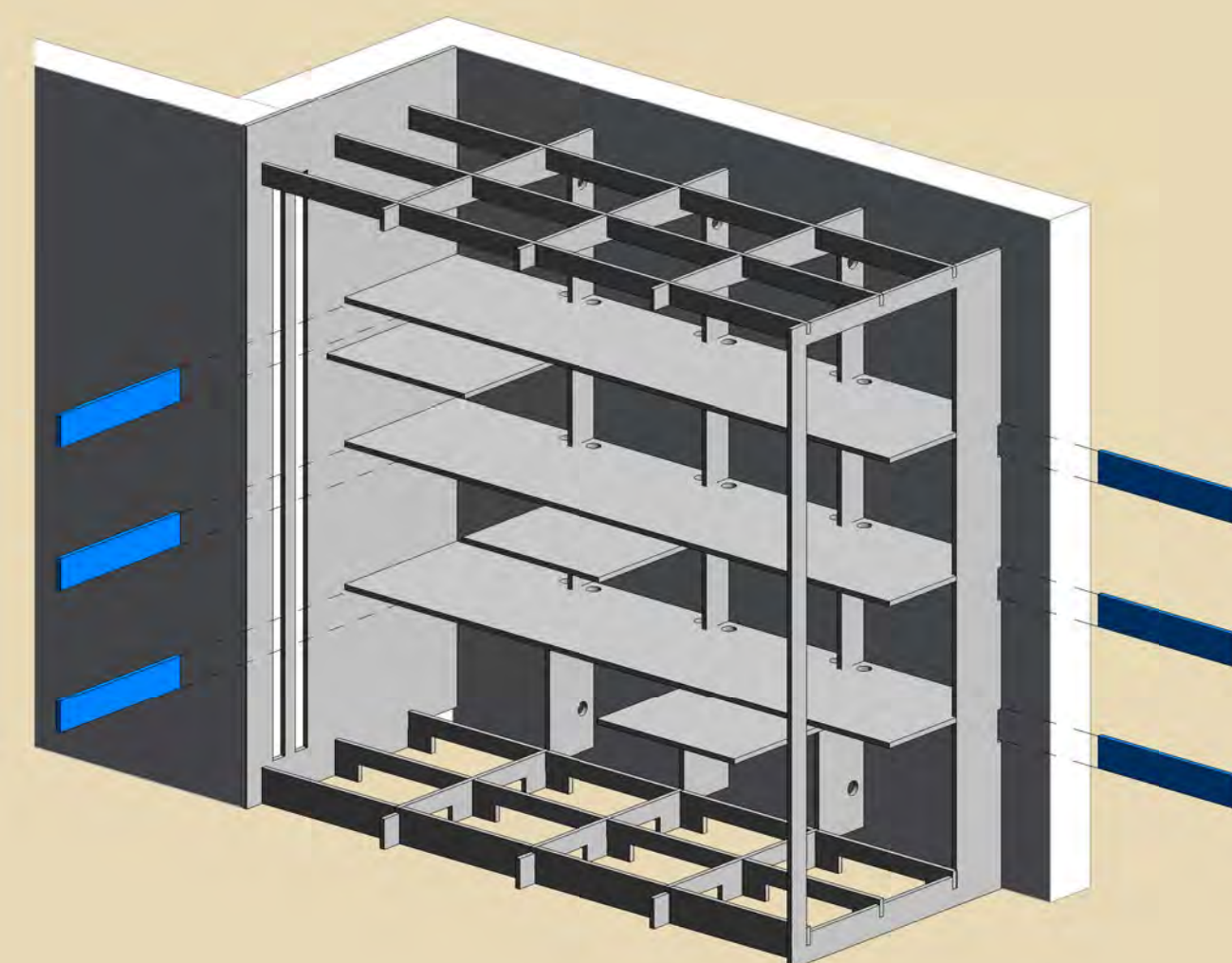
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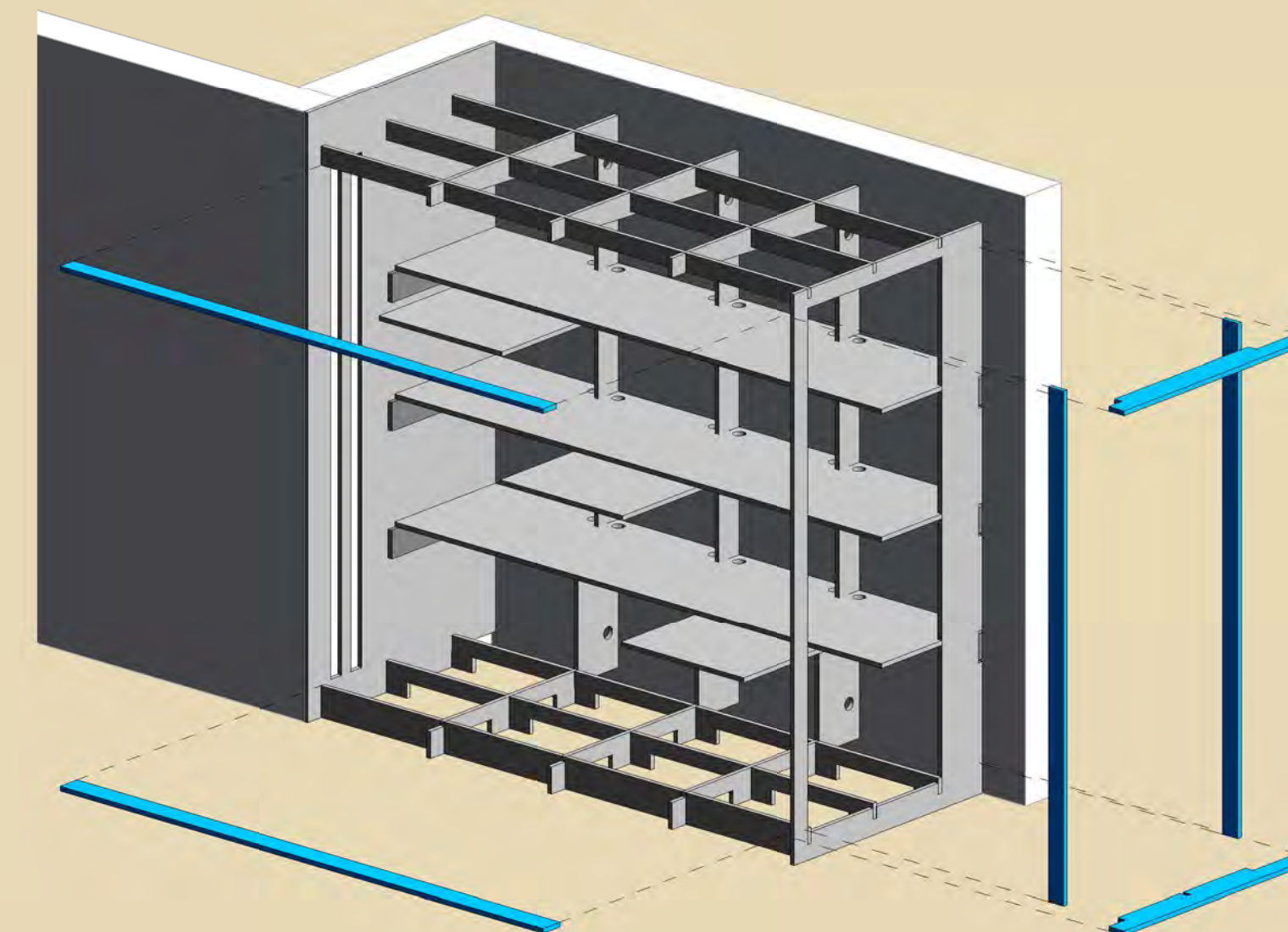
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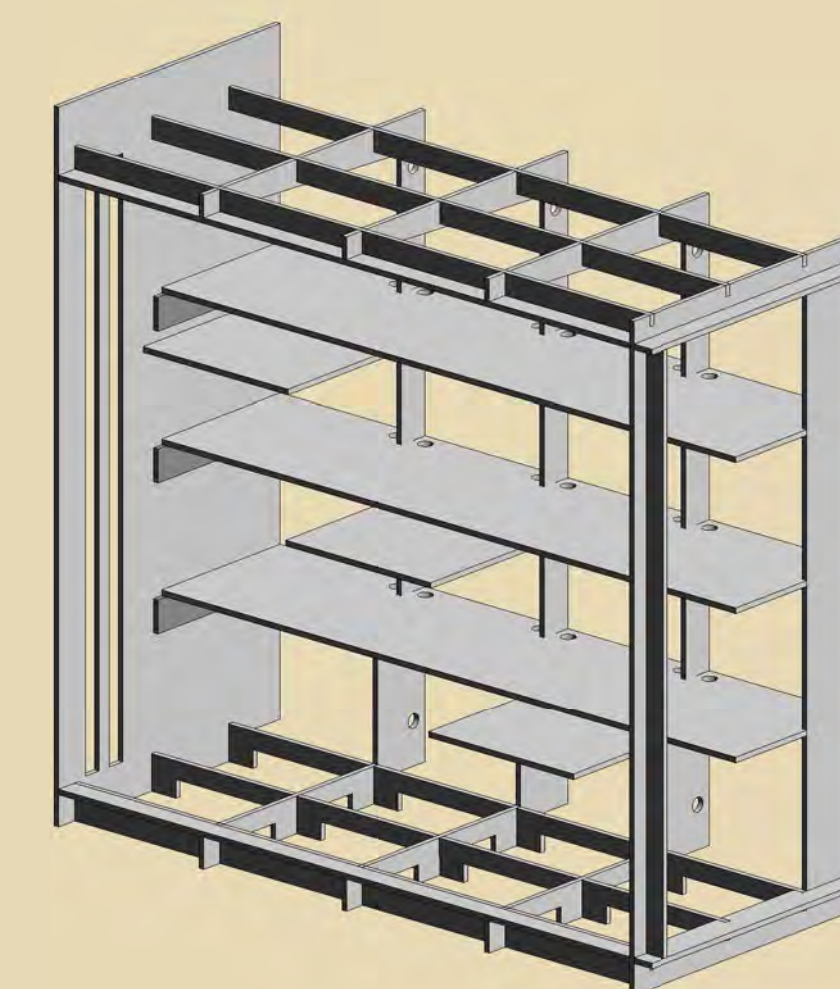
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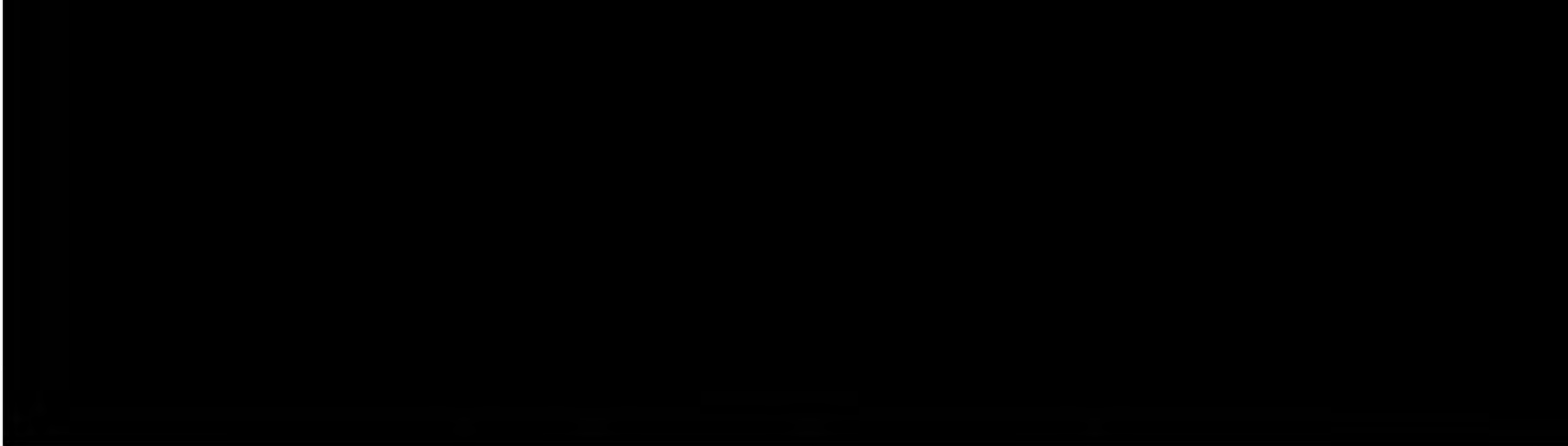
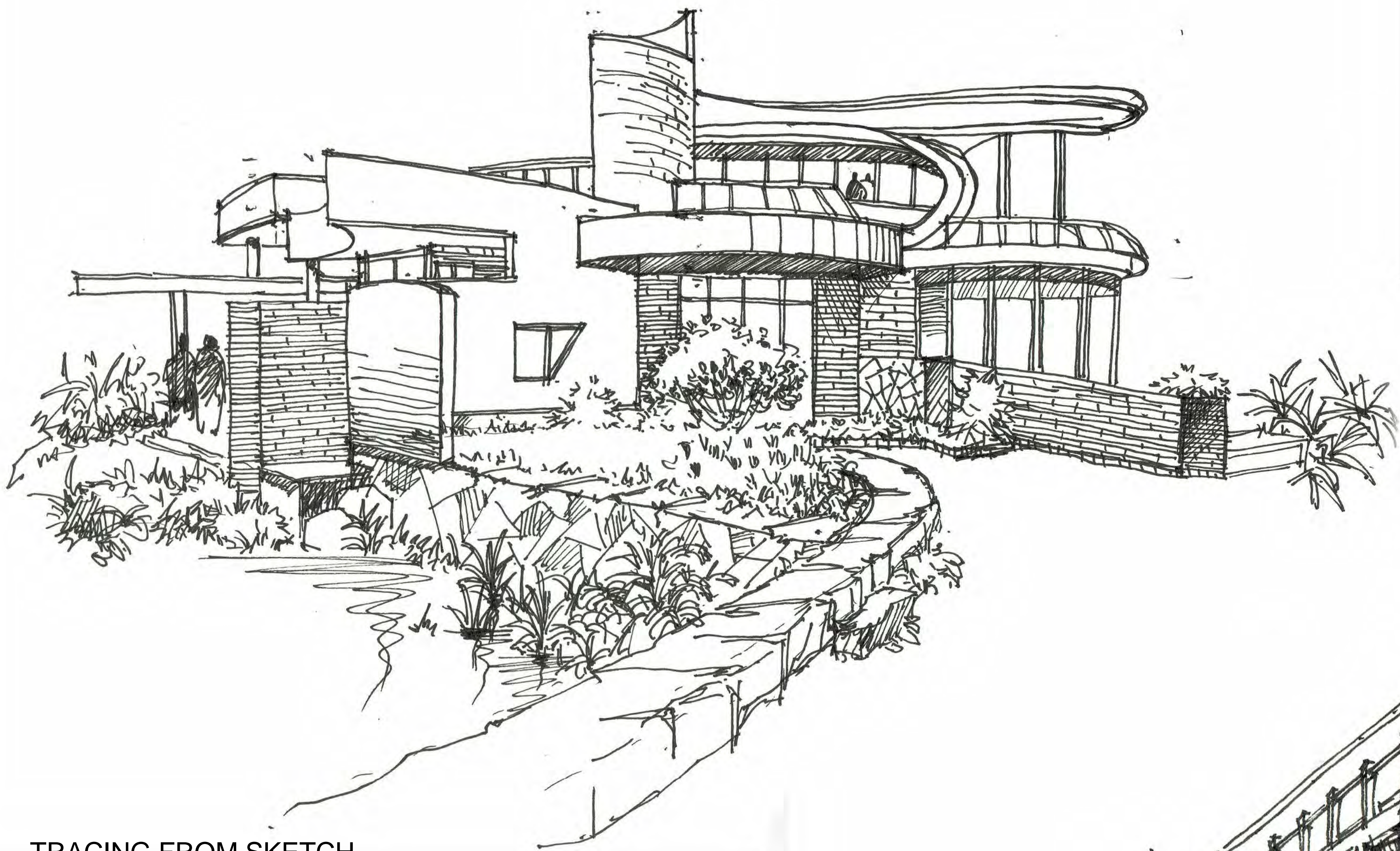


6



7

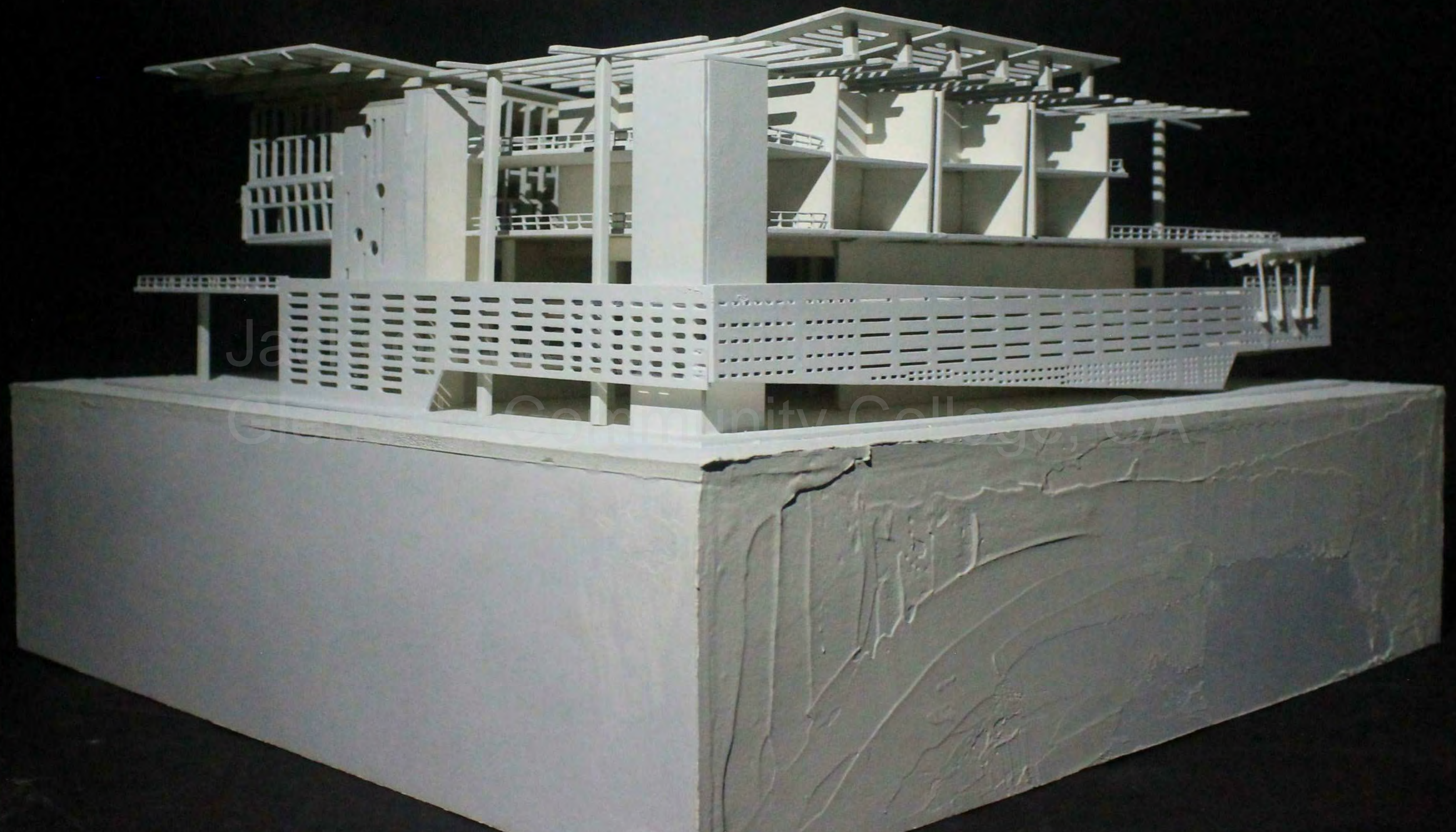




• TRACING FROM SKETCH



• TRACING FROM SKETCH



THANK YOU FOR REVIEWING MY PORTFOLIO