

ARENI DAVITYAN

GLENDALE COMMUNITY COLLEGE 2021 ARCHITECTURAL PORTFOLIO



INDEX

<u>ACHIEVEMENTS</u>	3
<u>SENIOR HOUSING</u>	4
existing site condition diagrams	5
diagrams	6
site plan	7
floor plans	8-9
elevations	10
sun sections	11
renderings	12
model	13
<u>L SHAPE MIX-USE CASE STUDY</u>	14
floor plans	15
parti diagram & section	16
elevations & diagrams	17
<u>TOKYO ANIME CENTER</u>	18
site research	19
proposed and existing condition diagrams	20-21
floor plans	22-23
elevations	24-25
sections	26
renderings	27

EDUCATION

Glendale Community College 2019-2021

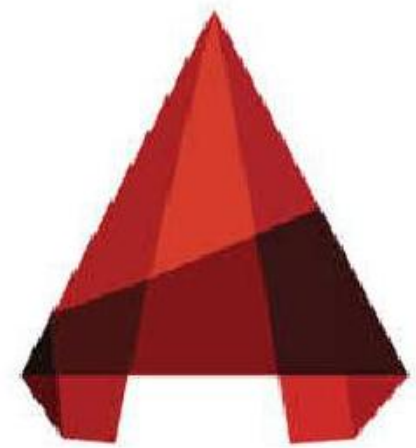
SKILLS



Revit



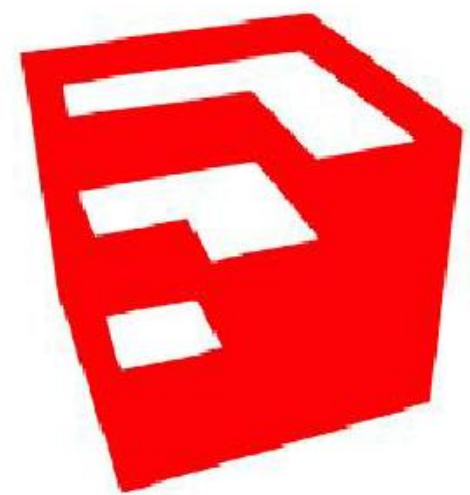
Rhinoceros



AutoCAD



Adobe Photoshop

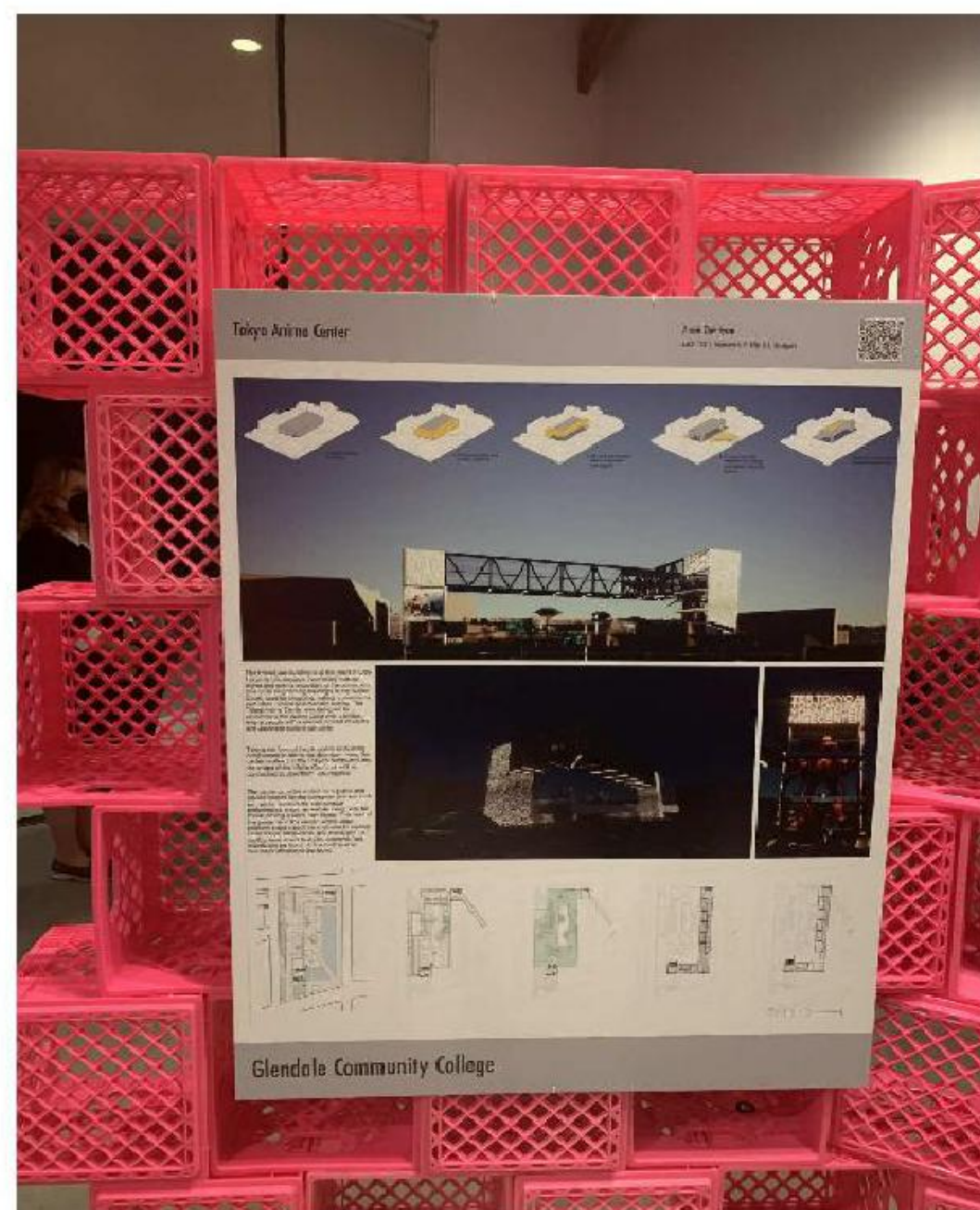


Sketchup



Model Making

ACHIEVEMENTS



ACLA 2 x 8 Exhibition 2021

Glendale Community College
APENI DAVITYAN

SENIOR HOUSING PROJECT

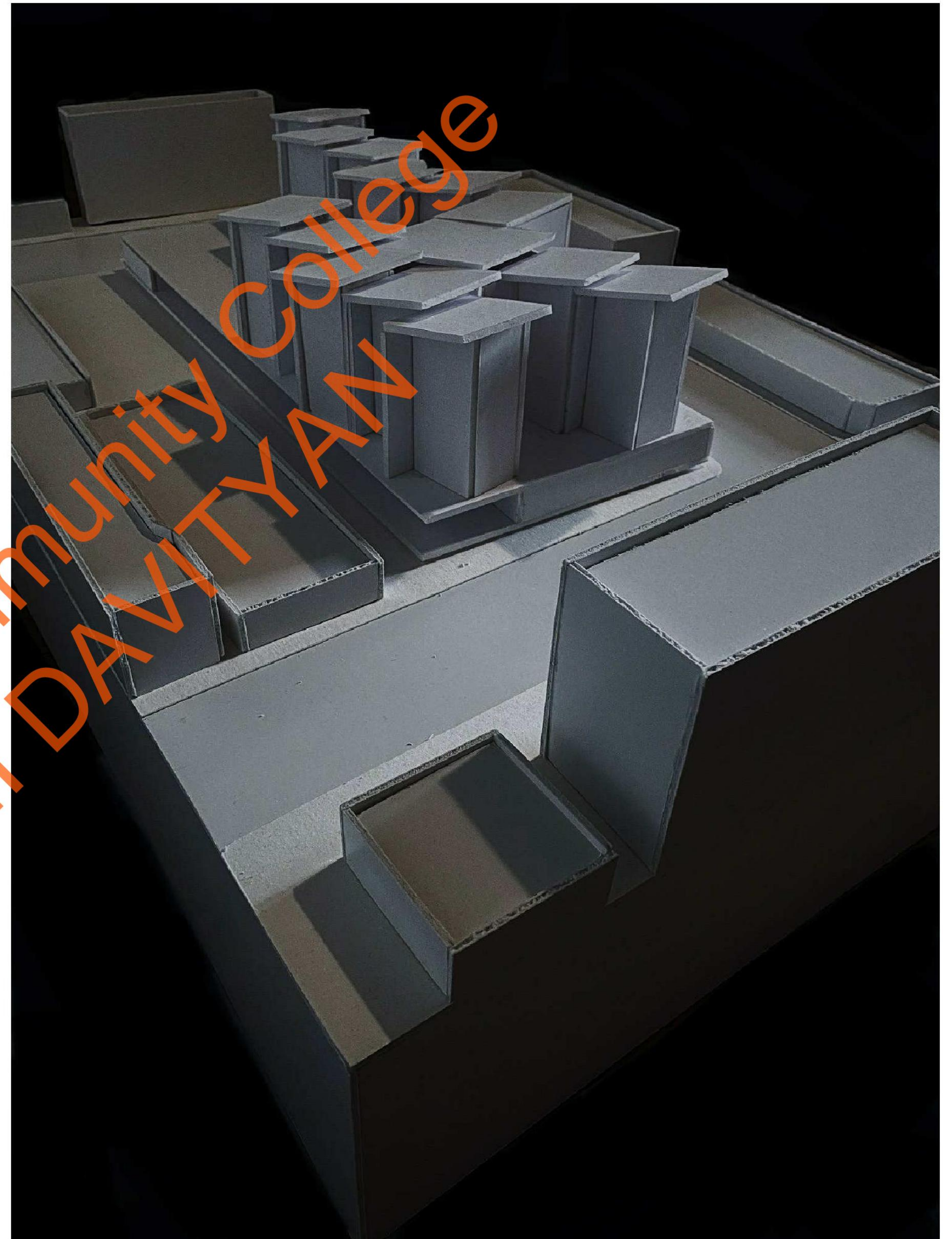
Arch 125 - Residential Design II Winter 2021

A proposed residential mixed-use building in downtown Los Angeles, located at 520 Pico Blvd, Los Angeles, CA. Project objective is to develop a thoughtful housing structure, in consideration to the site, and those who will occupy the building; the elderly and give them what they really want.

Program requirements:

- 53 living units with balcony
- Common open area
- Shared facilities : fitness, laundry, lounge, activity, and community rooms
- retail space
- 53 parking spaces
- drop-off area

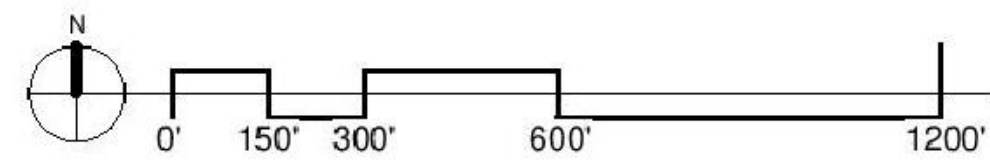
The design enhances each feature of the site, giving optimum use of the space provided. Ground level contains all public resources, such as, retail and community rooms. While the upper levels, are non-accessible to the public, for the privacy of the elderly residents, who've come to relax. All units face true south and are provided with facade shading, allowing for units to receive maximum sunlight in the winter, while be shaded in the summer.





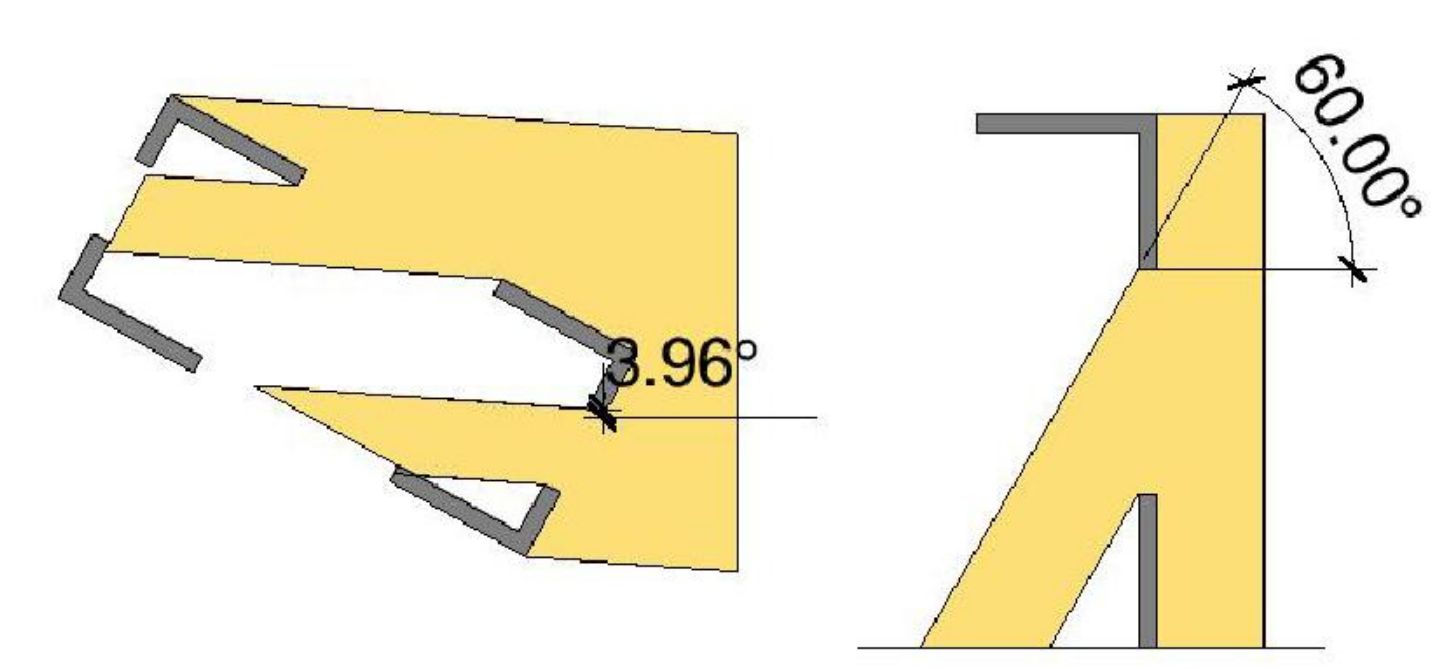
- LEGEND:**
- EXISTING SITE
 - METRO LANE
 - 2 LANE TRAFFIC
 - 3 LANE TRAFFIC
 - 1 LANE TRAFFIC
 - ALLEYWAY

EXISTING VEHICLE CONDITION



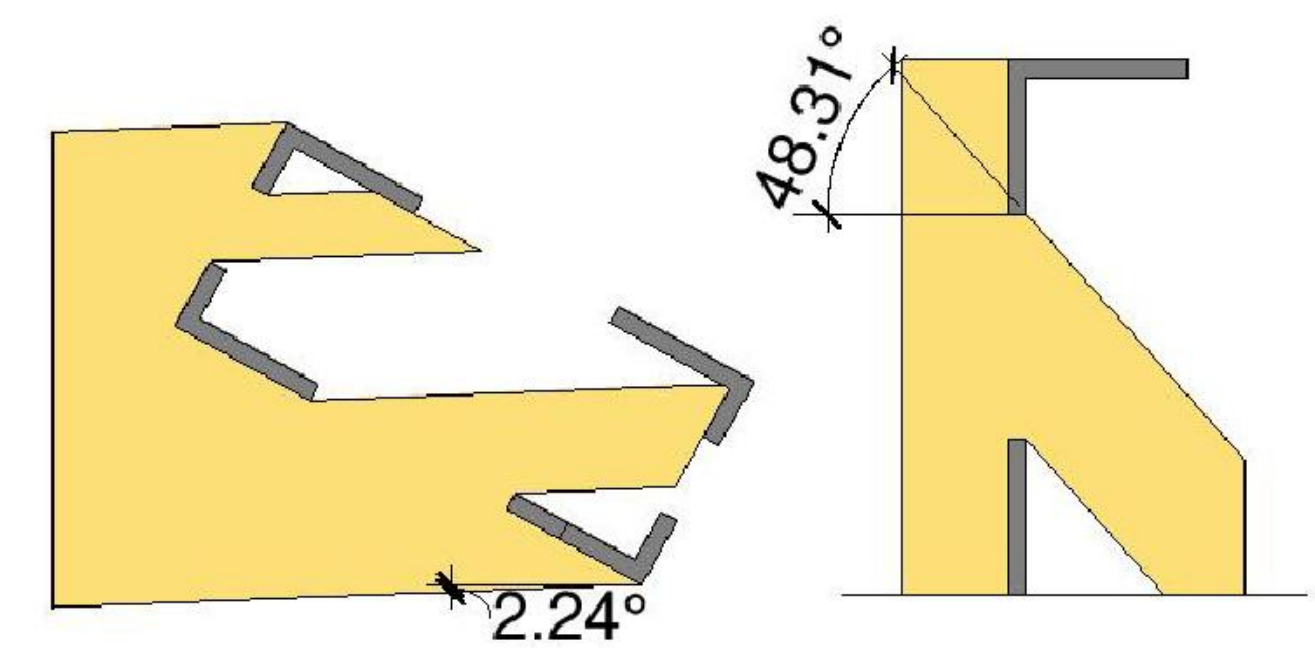
EXISTING SITE CONDITION

SUMMER SOLSTICE AZIMUTHS SUN ANGLE



PLAN VIEW:
Summer Solstice Azimuths
Sun angle at 9:00 am

SECTION VIEW:
Summer Solstice Azimuths
Sun angle at 9:00 am



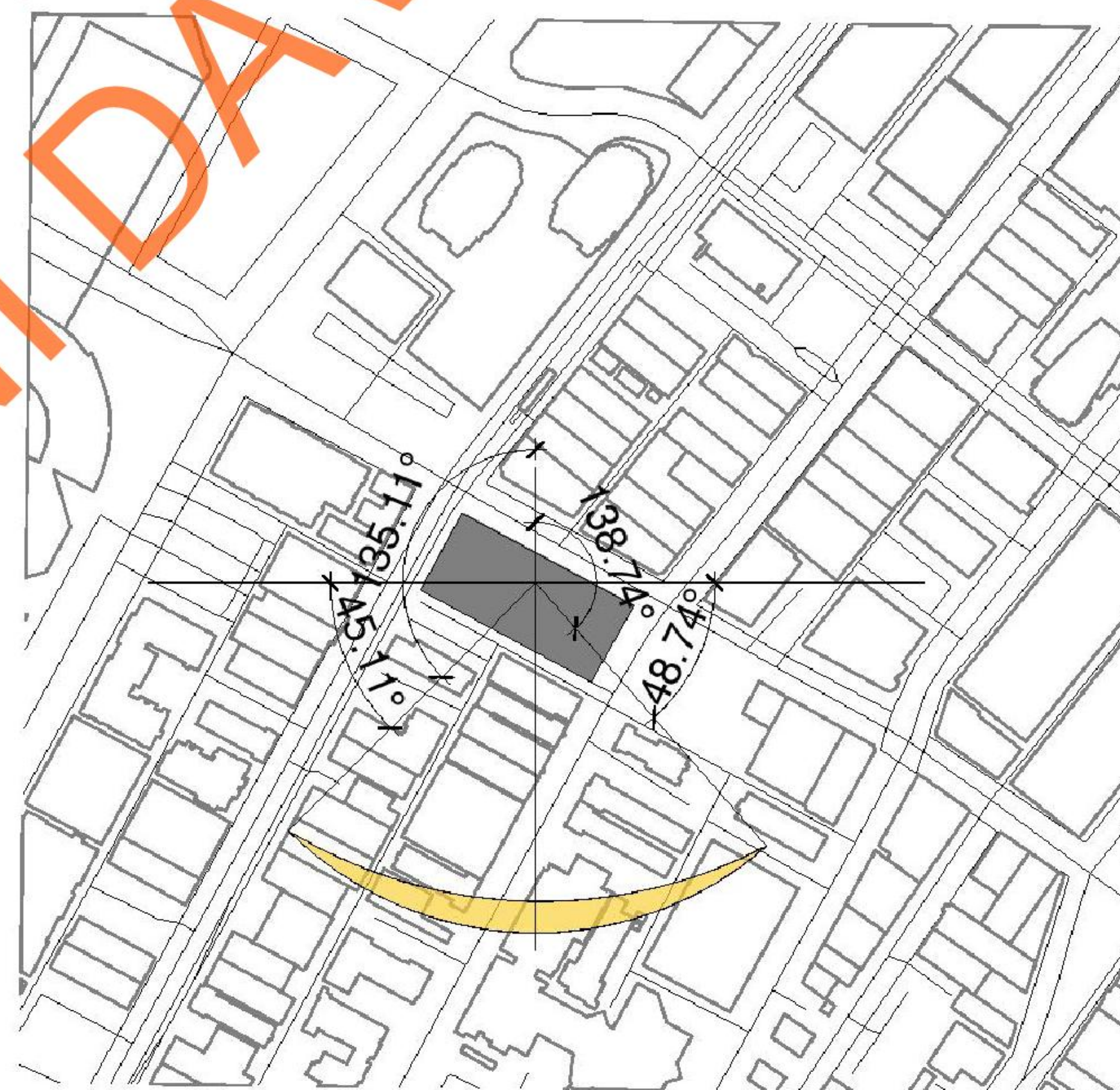
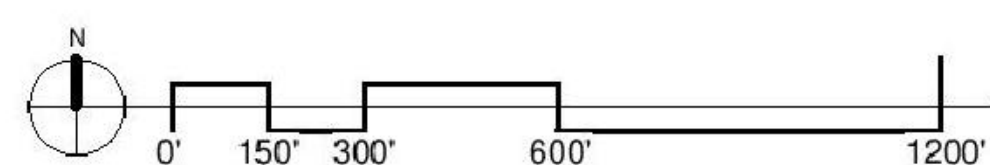
PLAN VIEW:
Summer Solstice Azimuths
Sun angle at 3:00 pm

SECTION VIEW:
Summer Solstice Azimuths
Sun angle at 3:00 pm



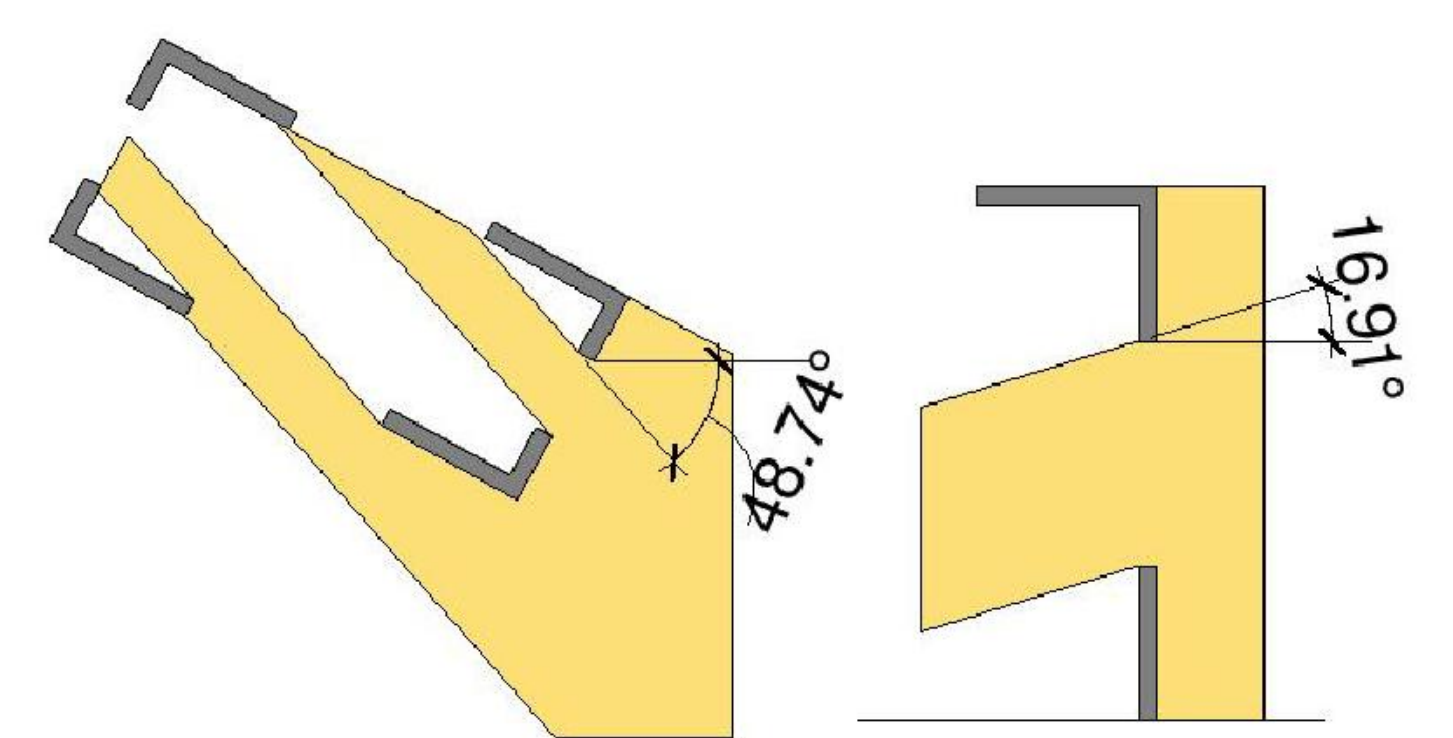
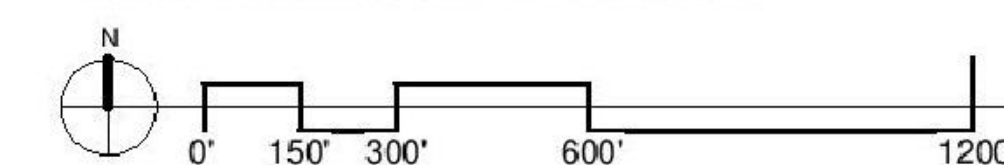
- LEGEND:**
- EXISTING SITE
 - METRO LANE
 - PEDESTRIAN WALKWAY TO SITE
 - METRO STATION
 - BUS STOP

EXISTING PEDESTRIAN CONDITION



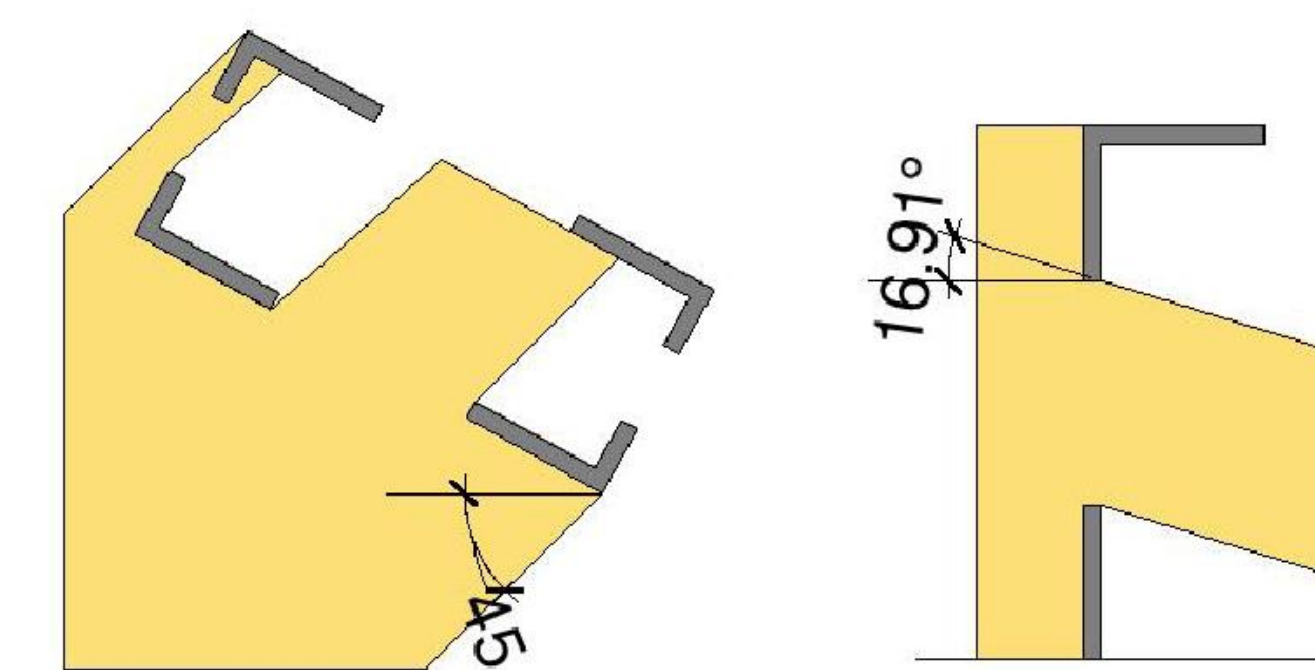
EXISTING SITE CONDITION

WINTER SOLSTICE AZIMUTHS SUN ANGLE



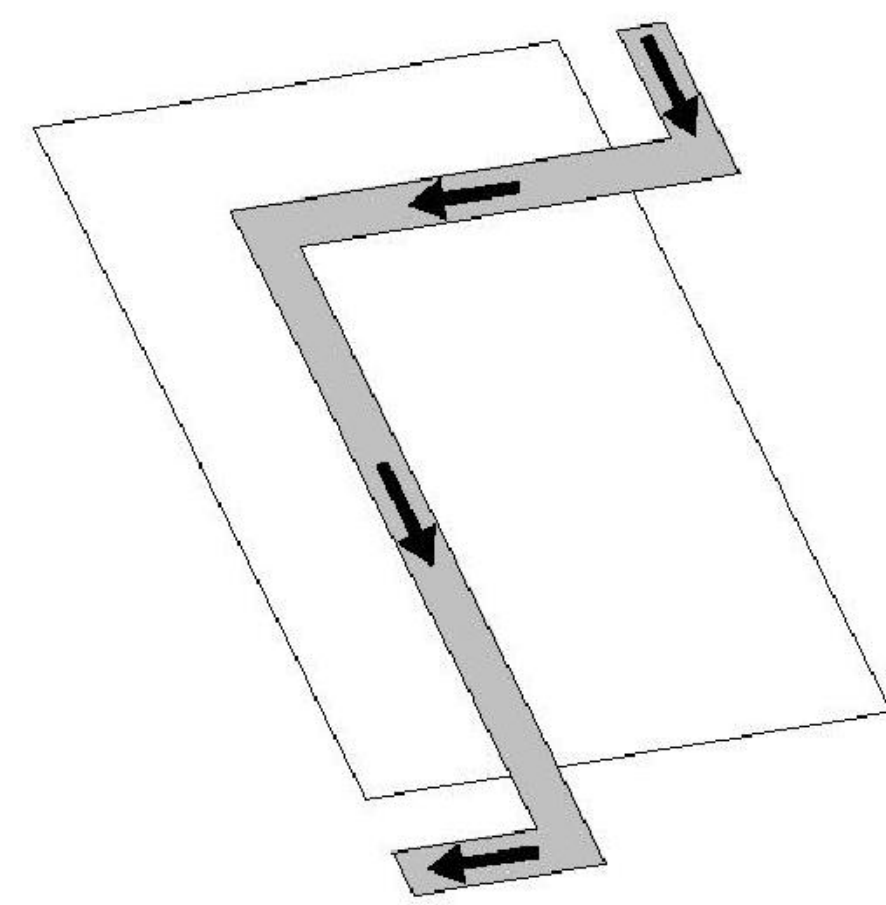
PLAN VIEW:
Winter Solstice Azimuths
Sun angle at 9:00 am

SECTION VIEW:
Winter Solstice Azimuths
Sun angle at 9:00 am

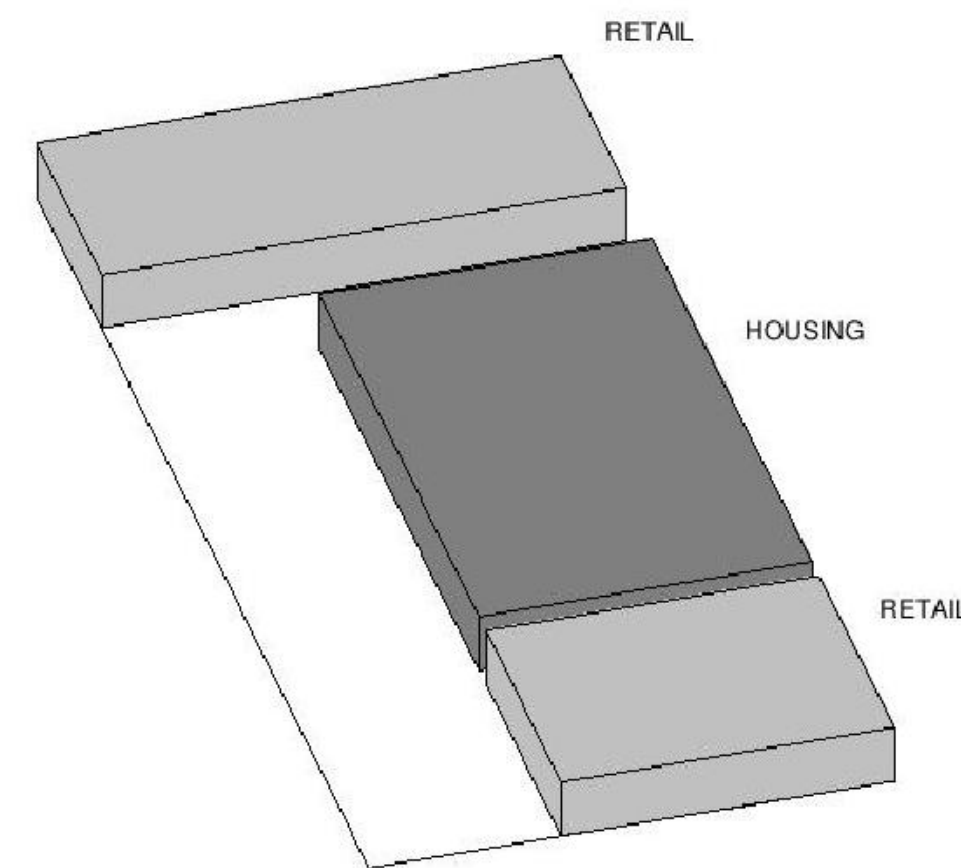


PLAN VIEW:
Winter Solstice Azimuths
Sun angle at 3:00 pm

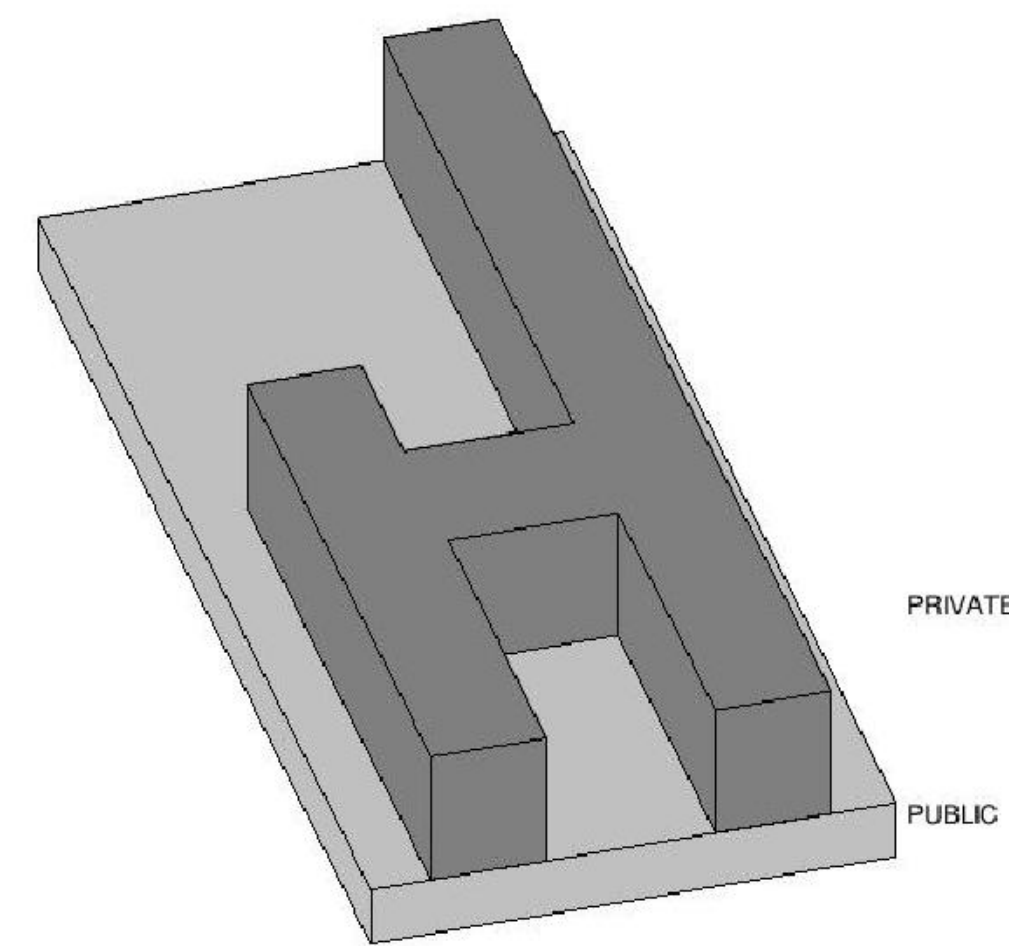
SECTION VIEW:
Winter Solstice Azimuths
Sun angle at 3:00 pm



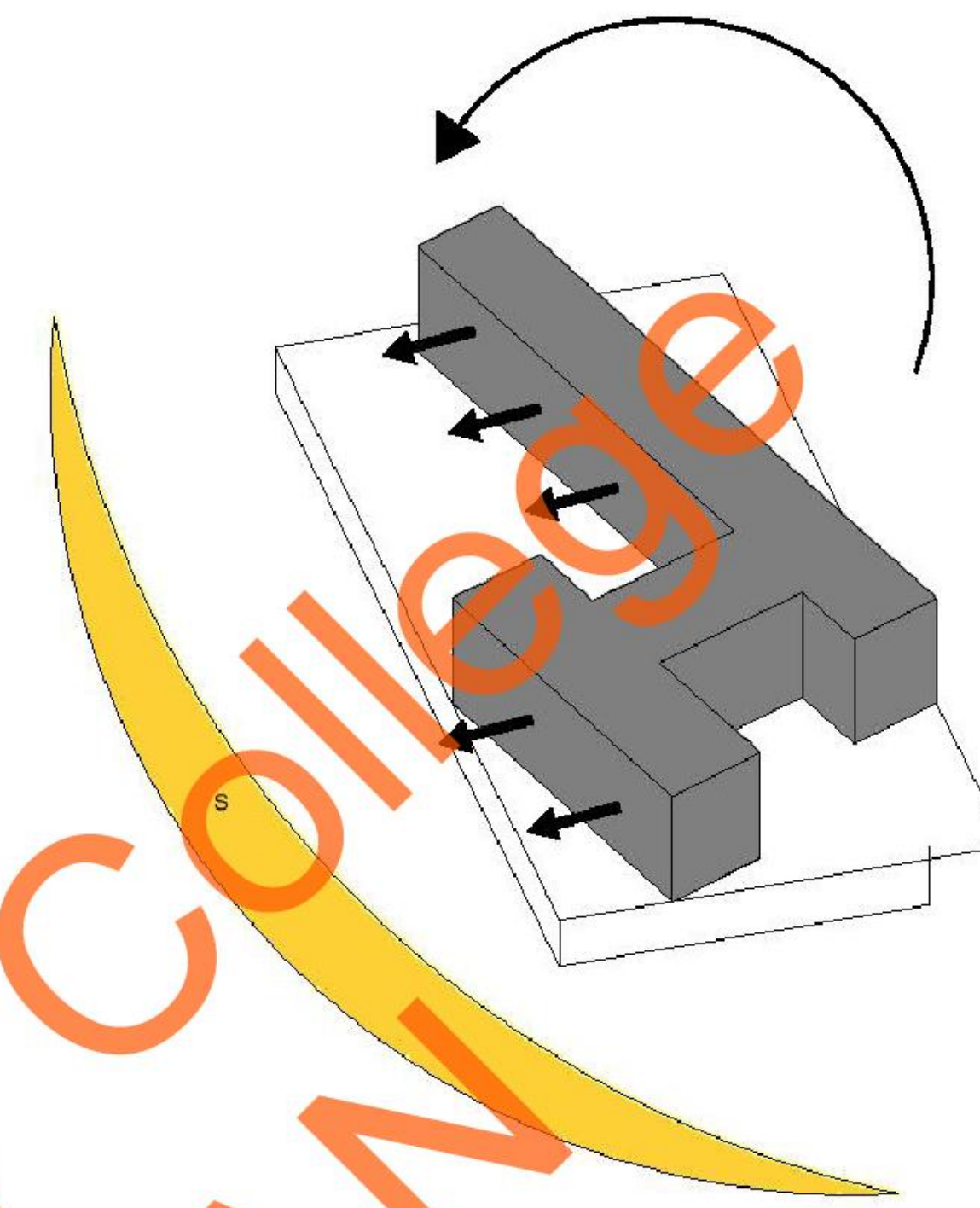
"L" shape vehicle circulation flows through from Pico Blvd. to S. Hope St.



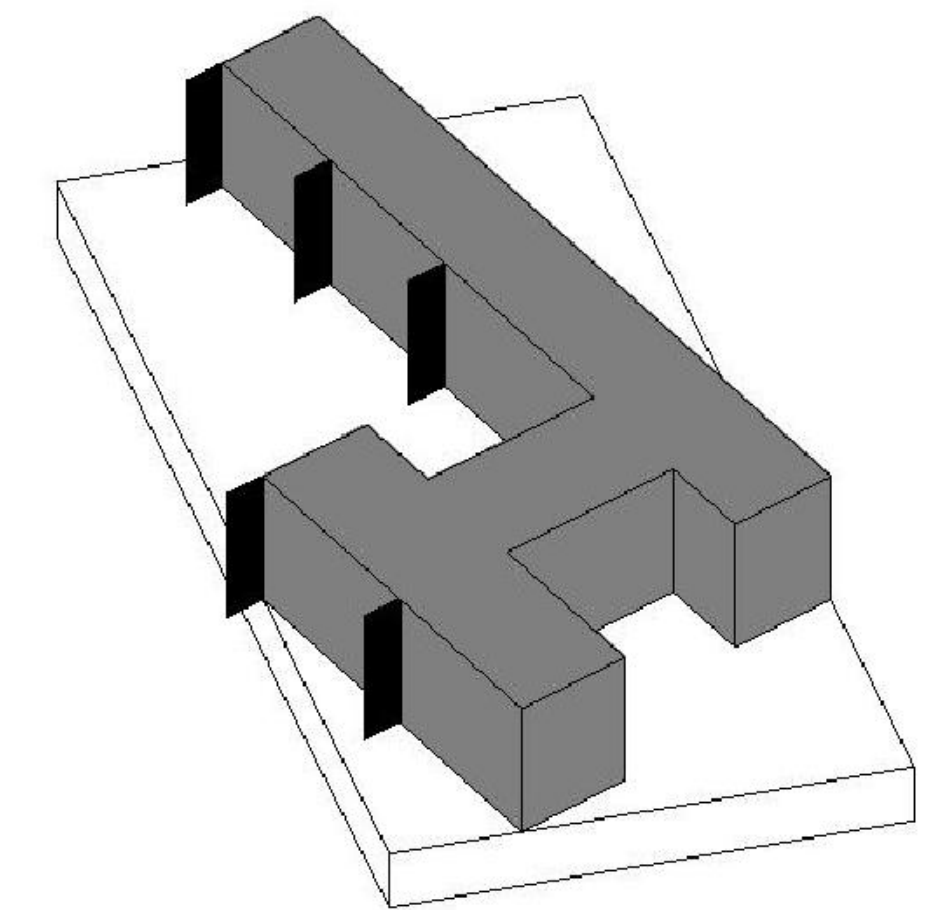
Retails placed on corners to maximise attention and store access to pedestrians.



Public areas limited to ground floor housing. Private facilities kept on upper levels.

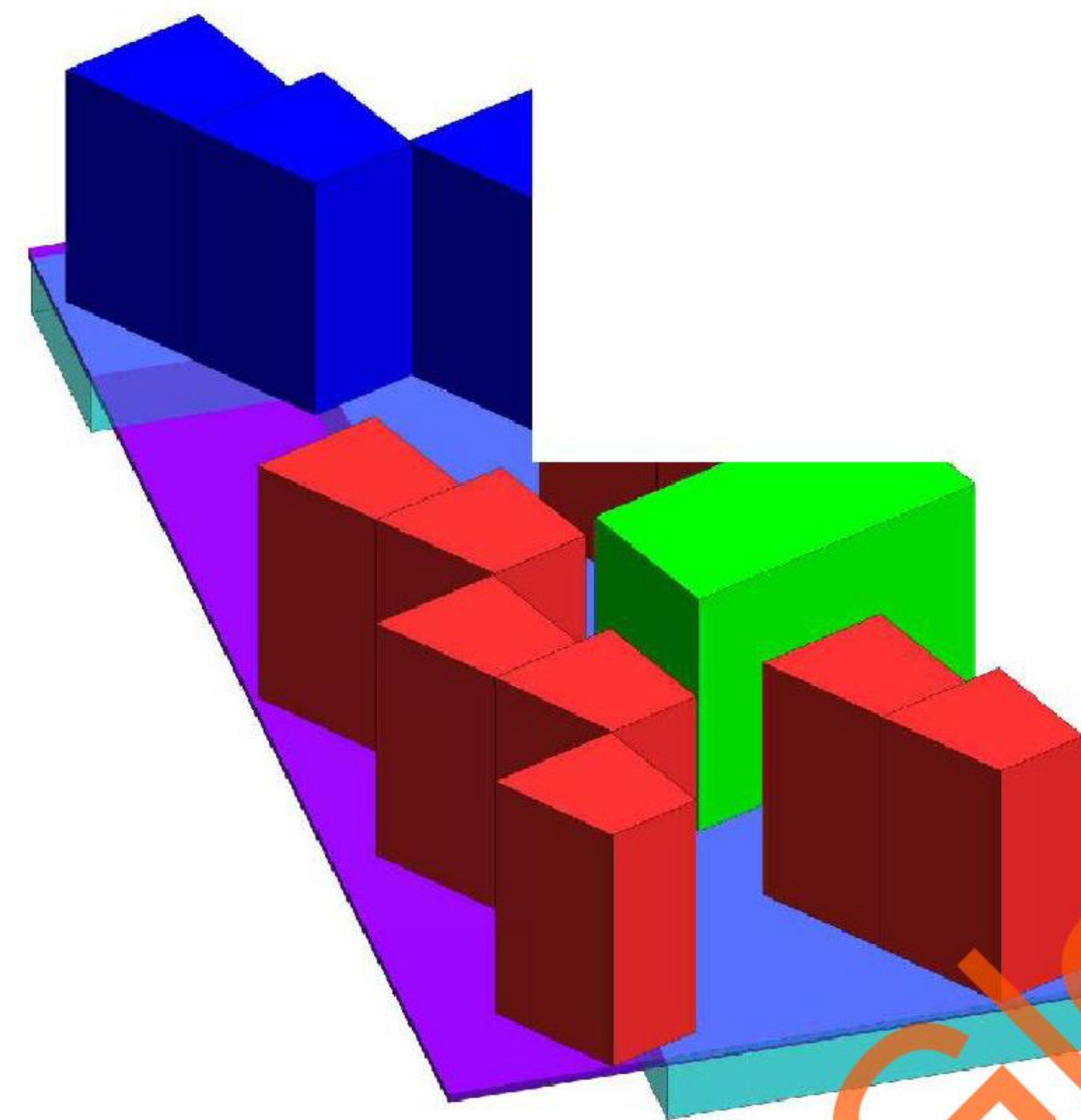


Housing units rotated 35.66 degrees to face south to optimise sunlight and provide more privacy from busy street.



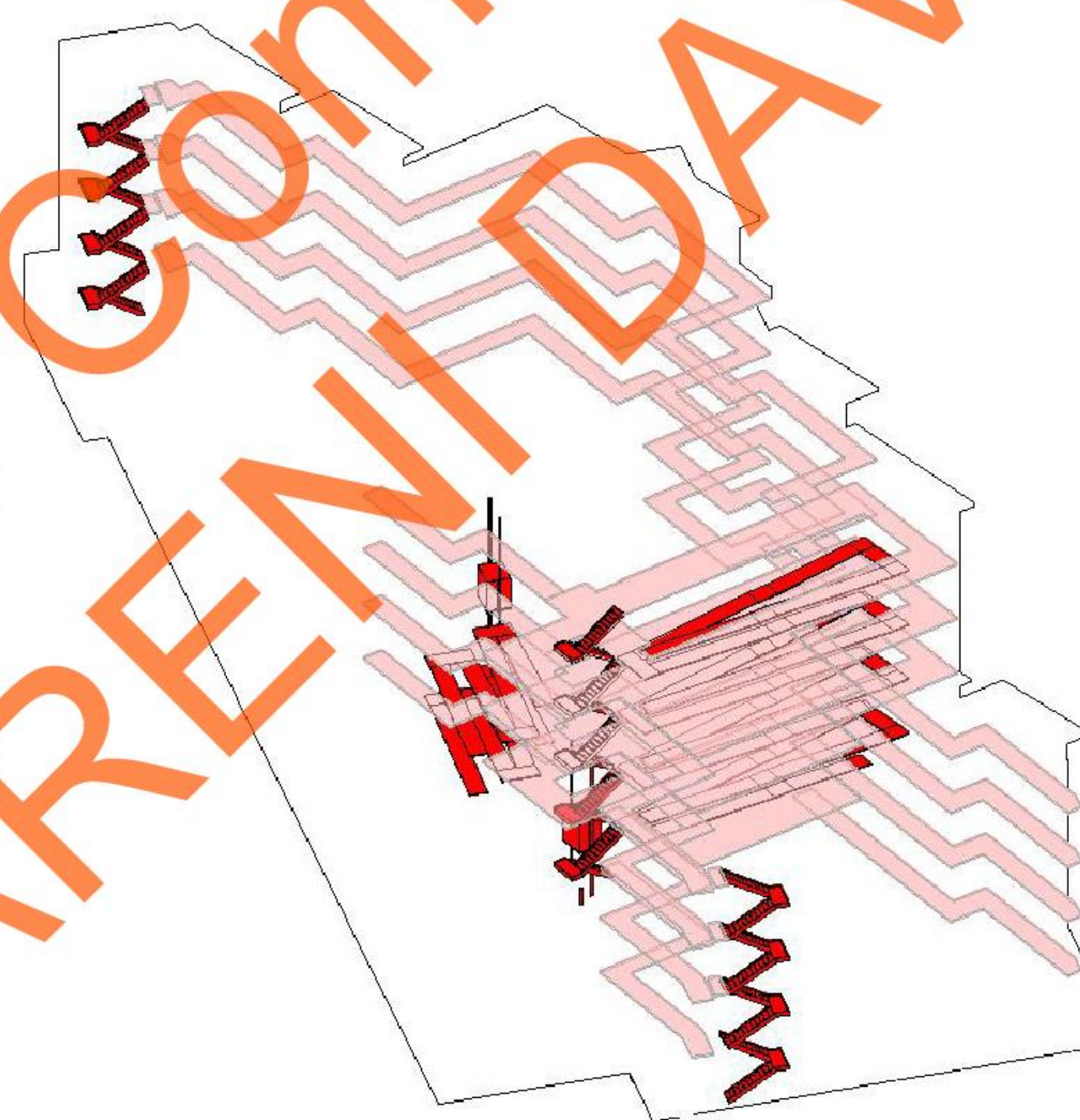
Walls extrude to shade balcony and room from summer sun.

PARTI



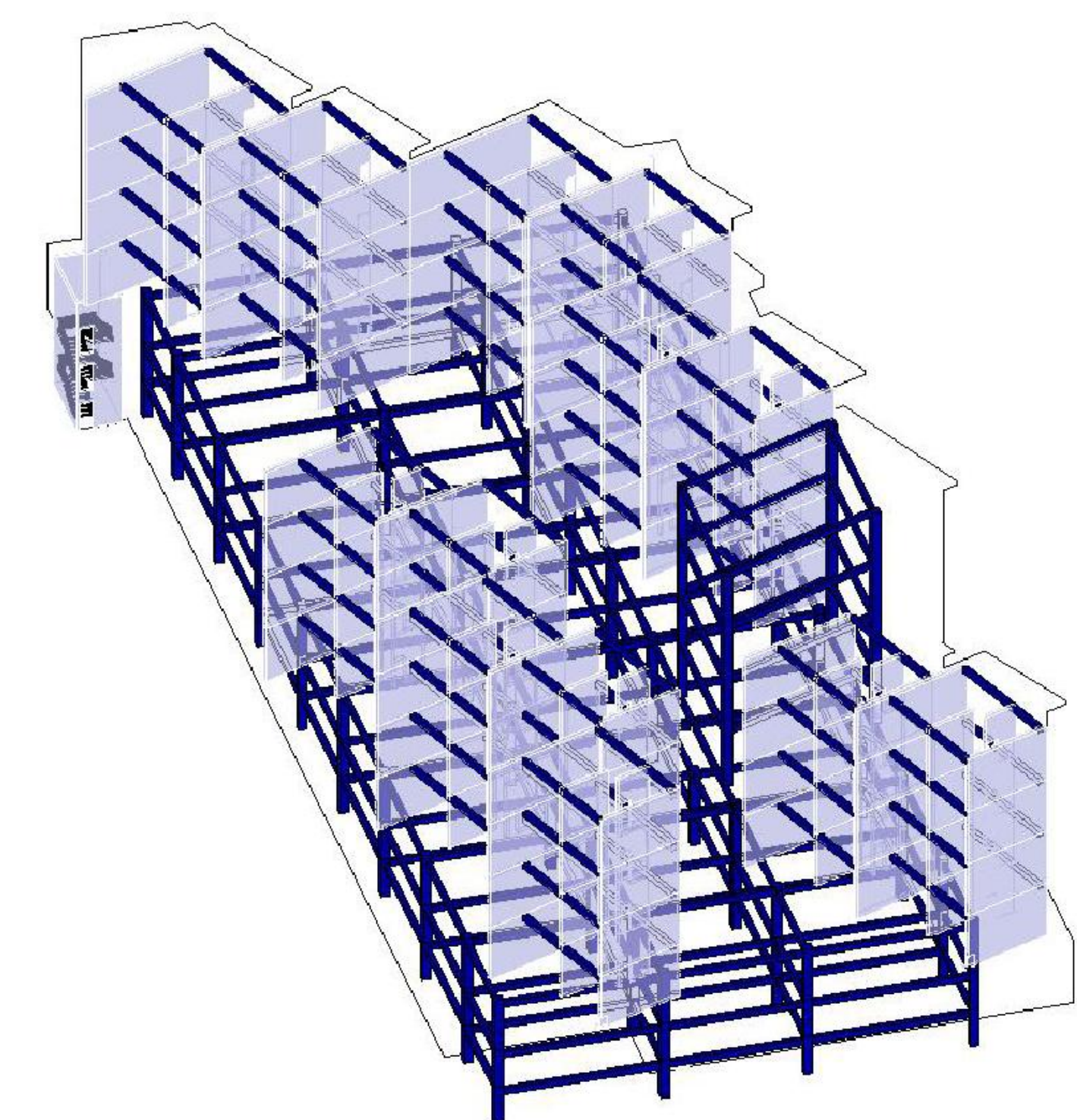
- LEGEND:**
- 2 BEDROOM UNITS
 - 1 BEDROOM UNITS
 - VERTICAL CIRCULATION
 - PRIVATE OUTDOOR FACILITIES
 - PUBLIC FACILITIES

PROGRAM



- LEGEND:**
- VERTICAL CIRCULATION
 - HORIZONTAL CIRCULATION

CIRCULATION

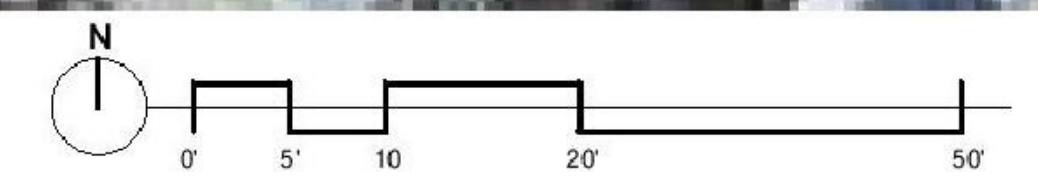


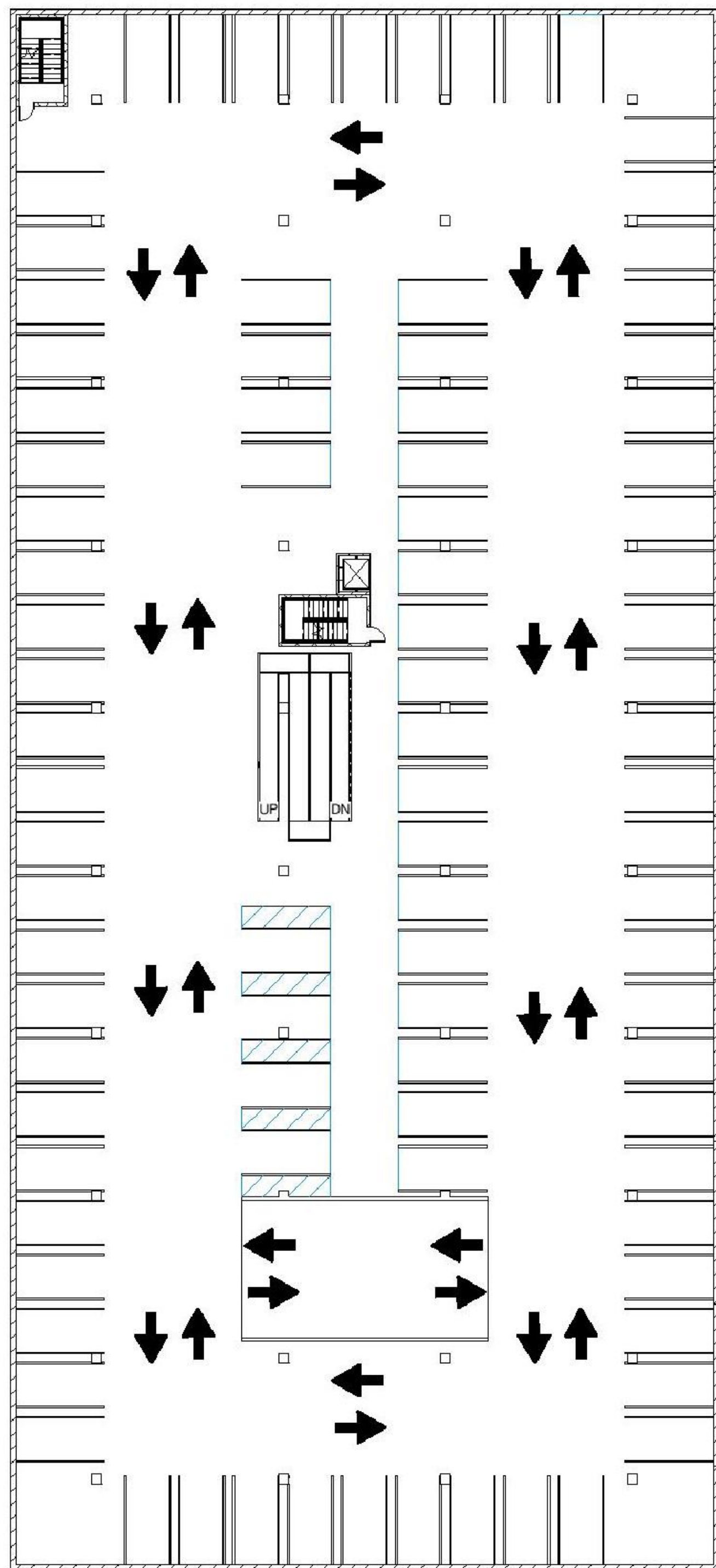
- LEGEND:**
- BEAMS AND COLUMNS
 - LOAD-BEARING WALLS

STRUCTURAL

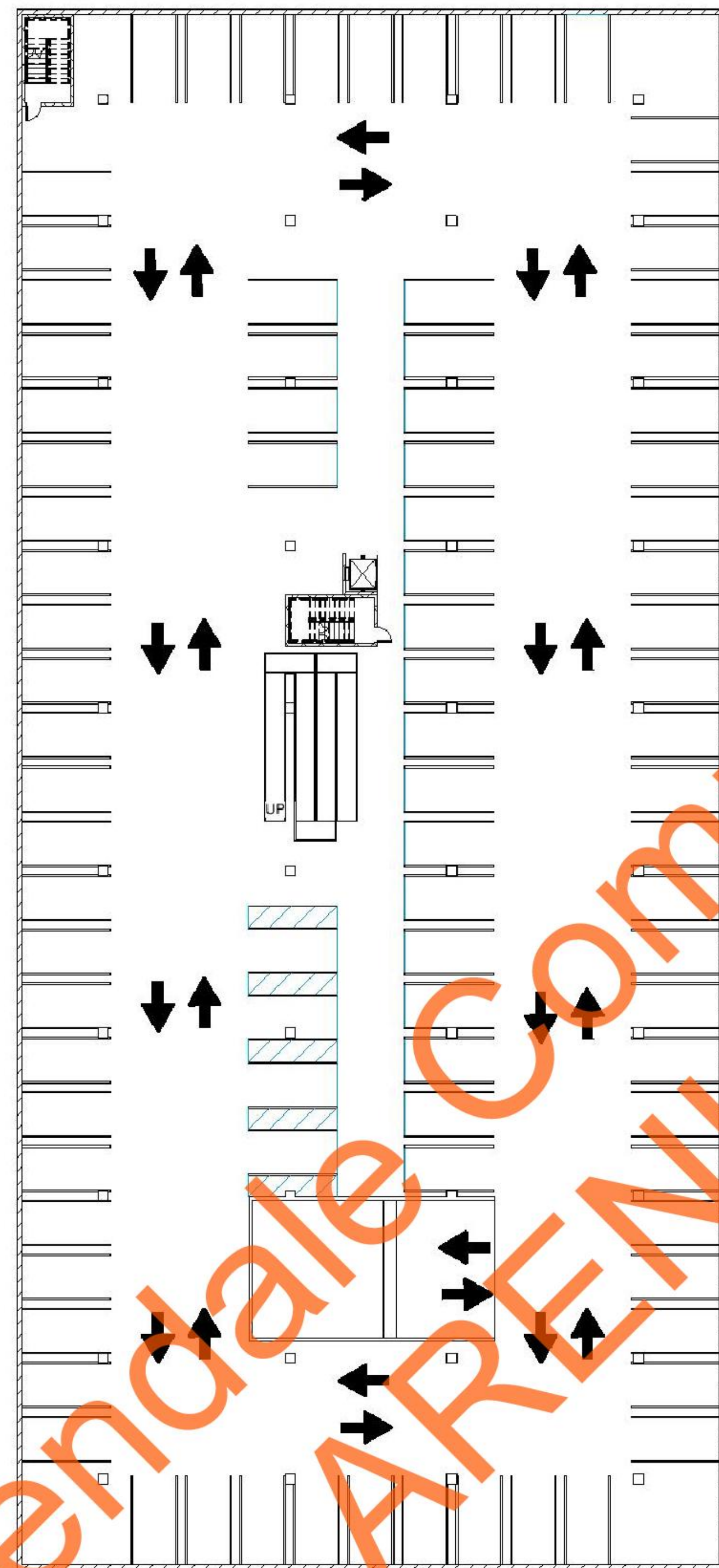
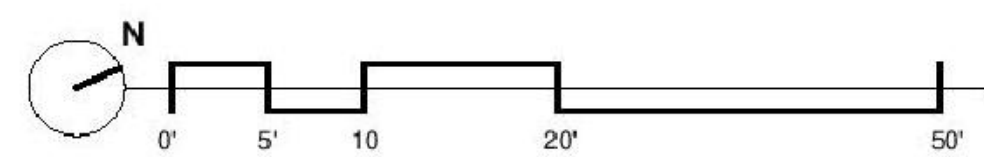


SITE

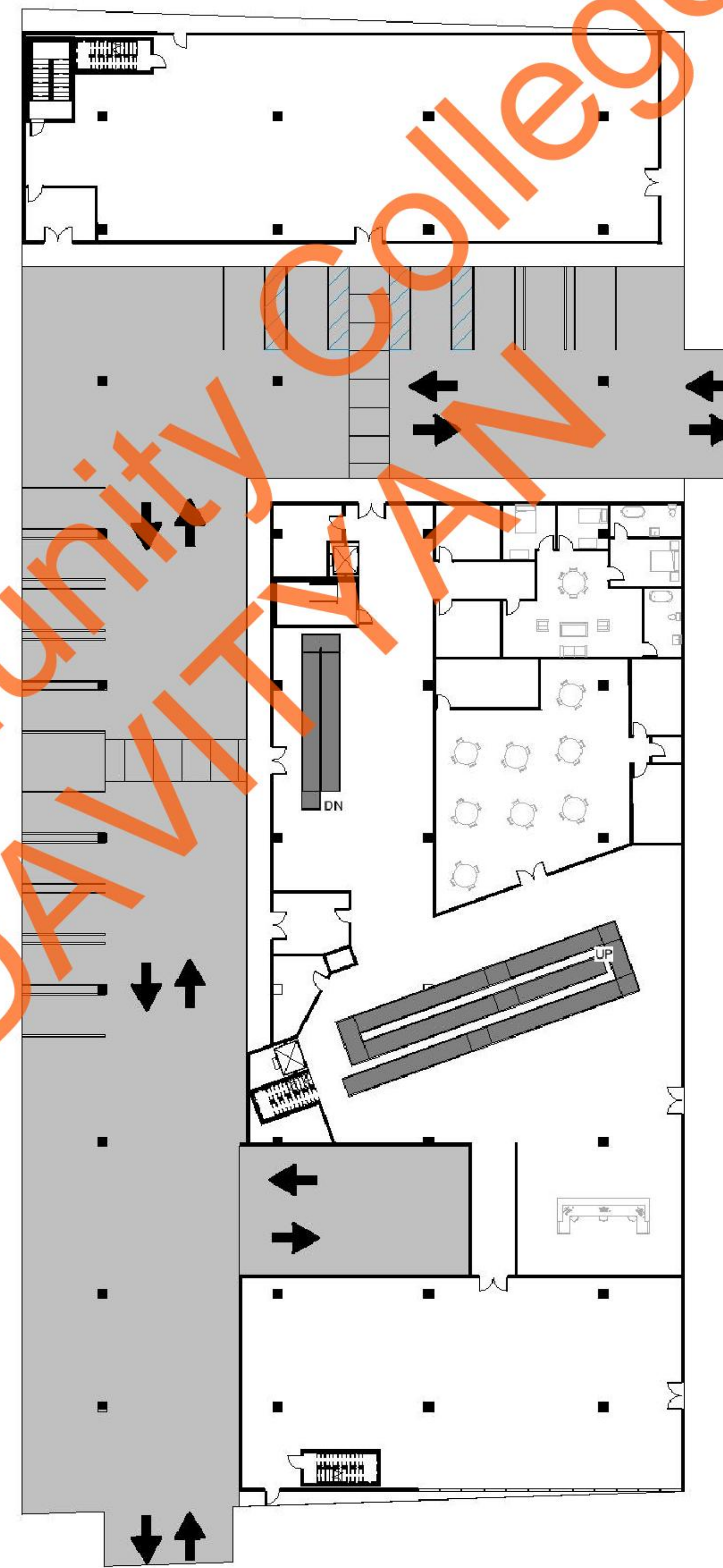
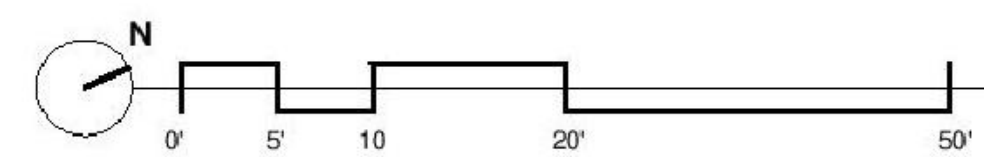




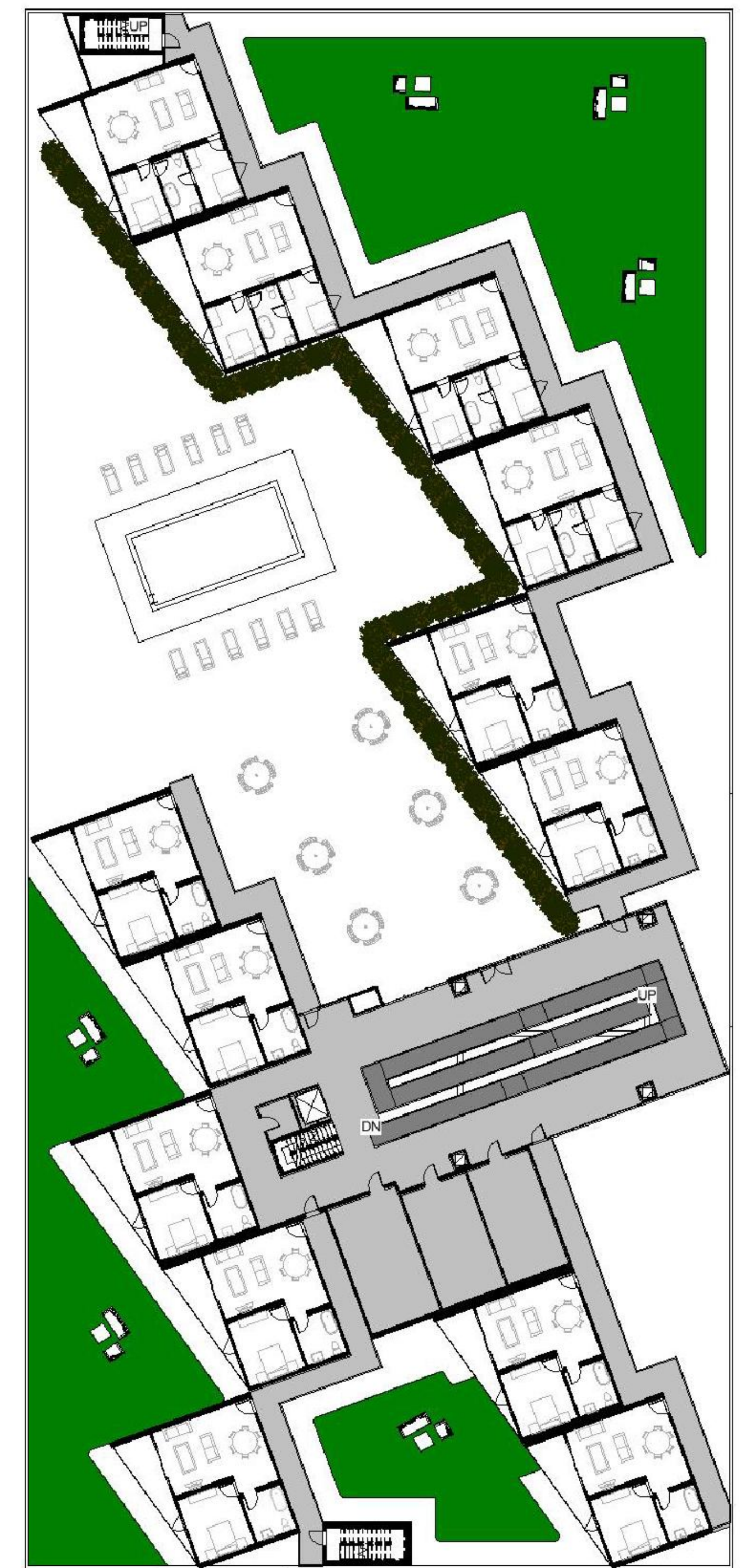
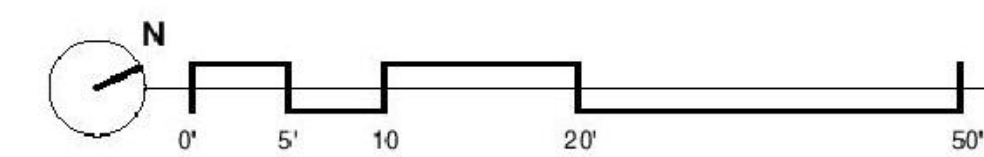
UNDERGROUND PARKING 1



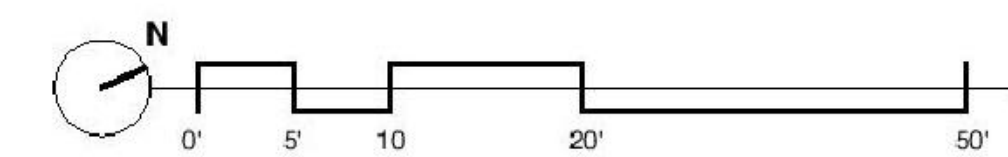
UNDERGROUND PARKING 2



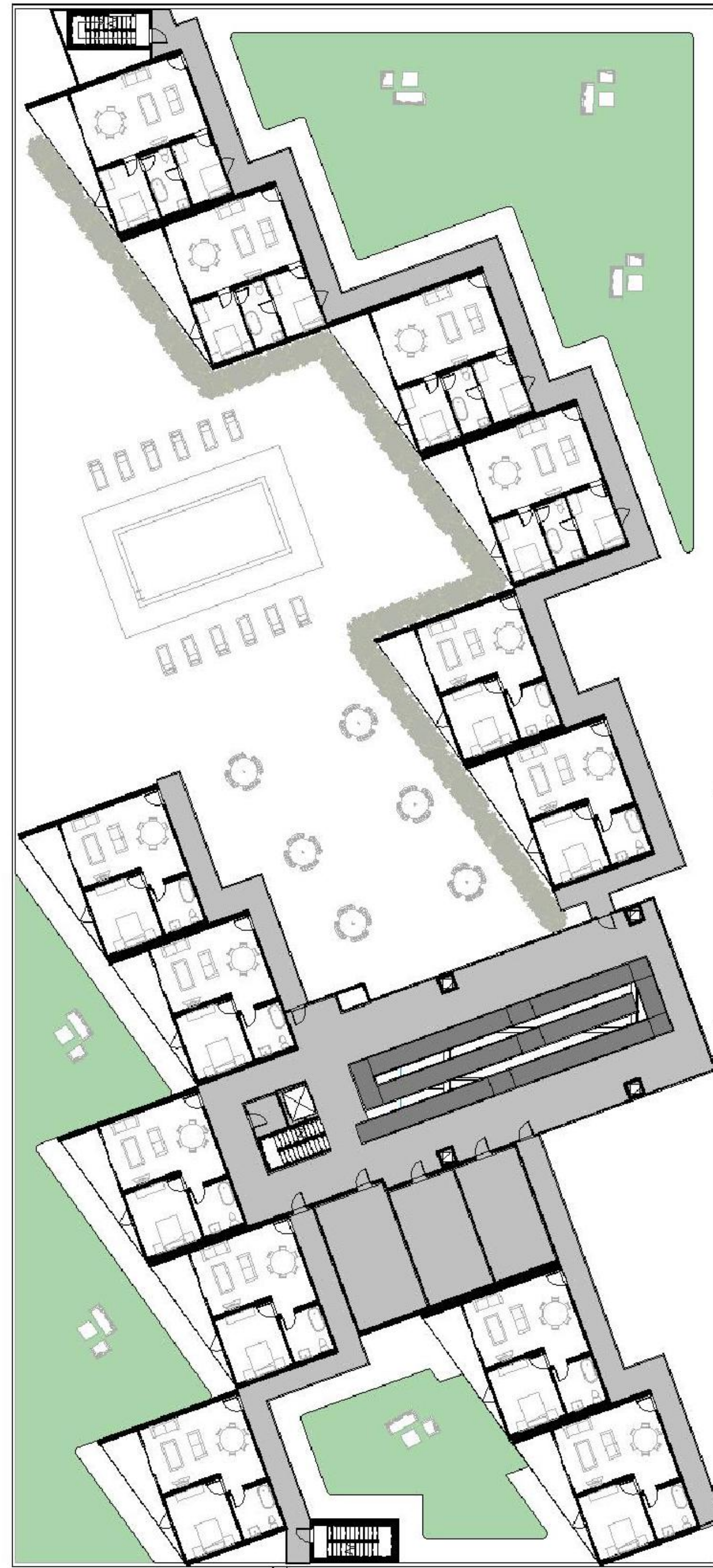
GROUND LEVEL



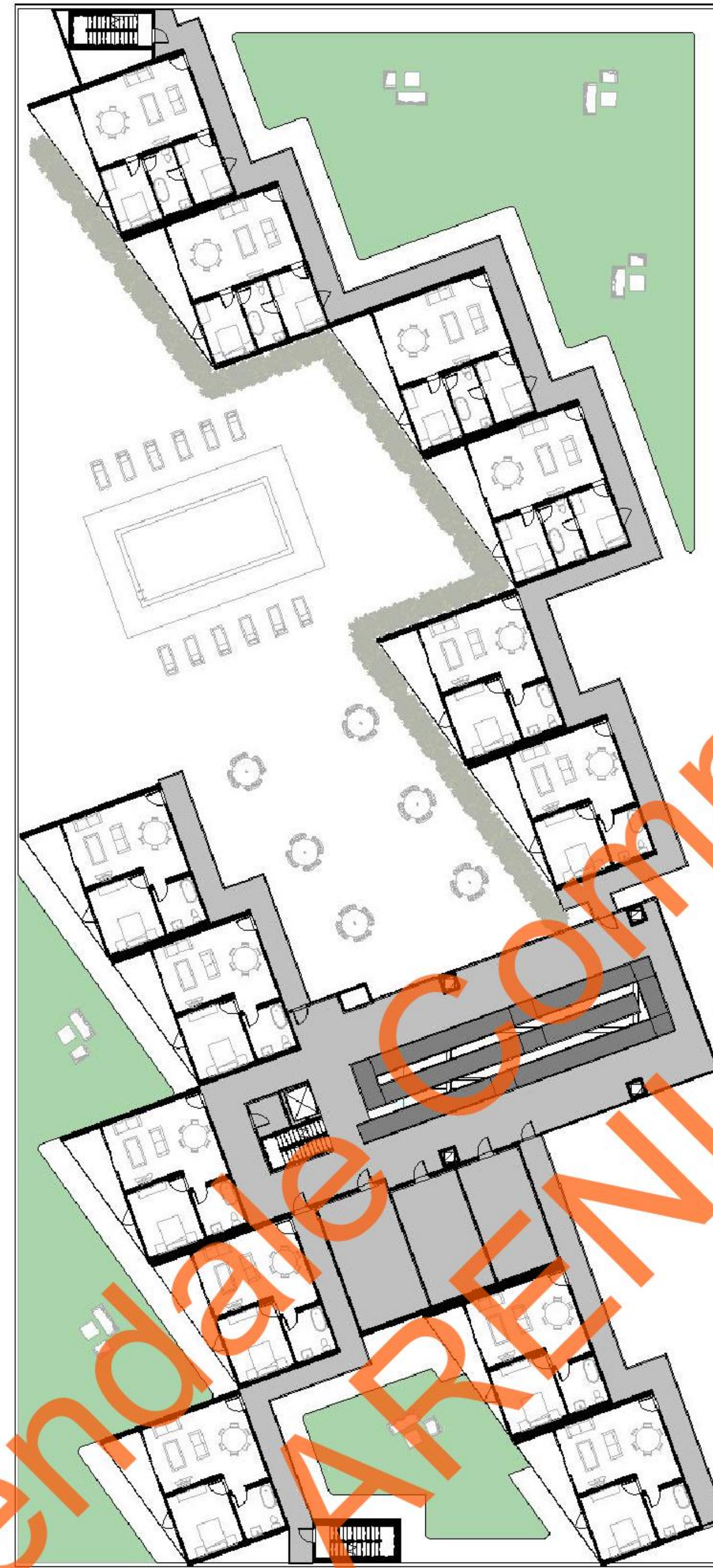
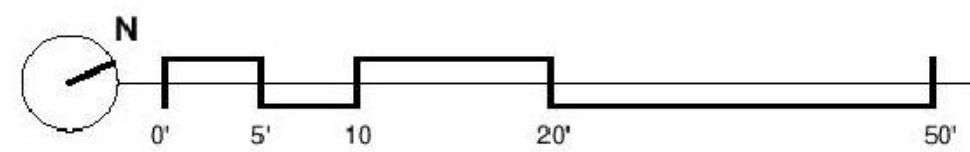
SECOND LEVEL



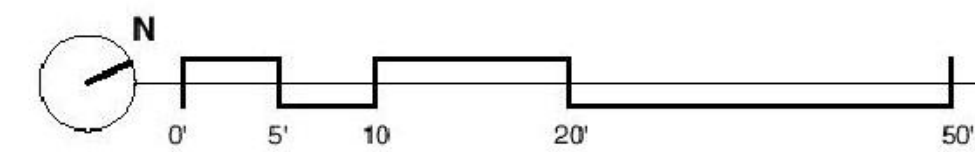
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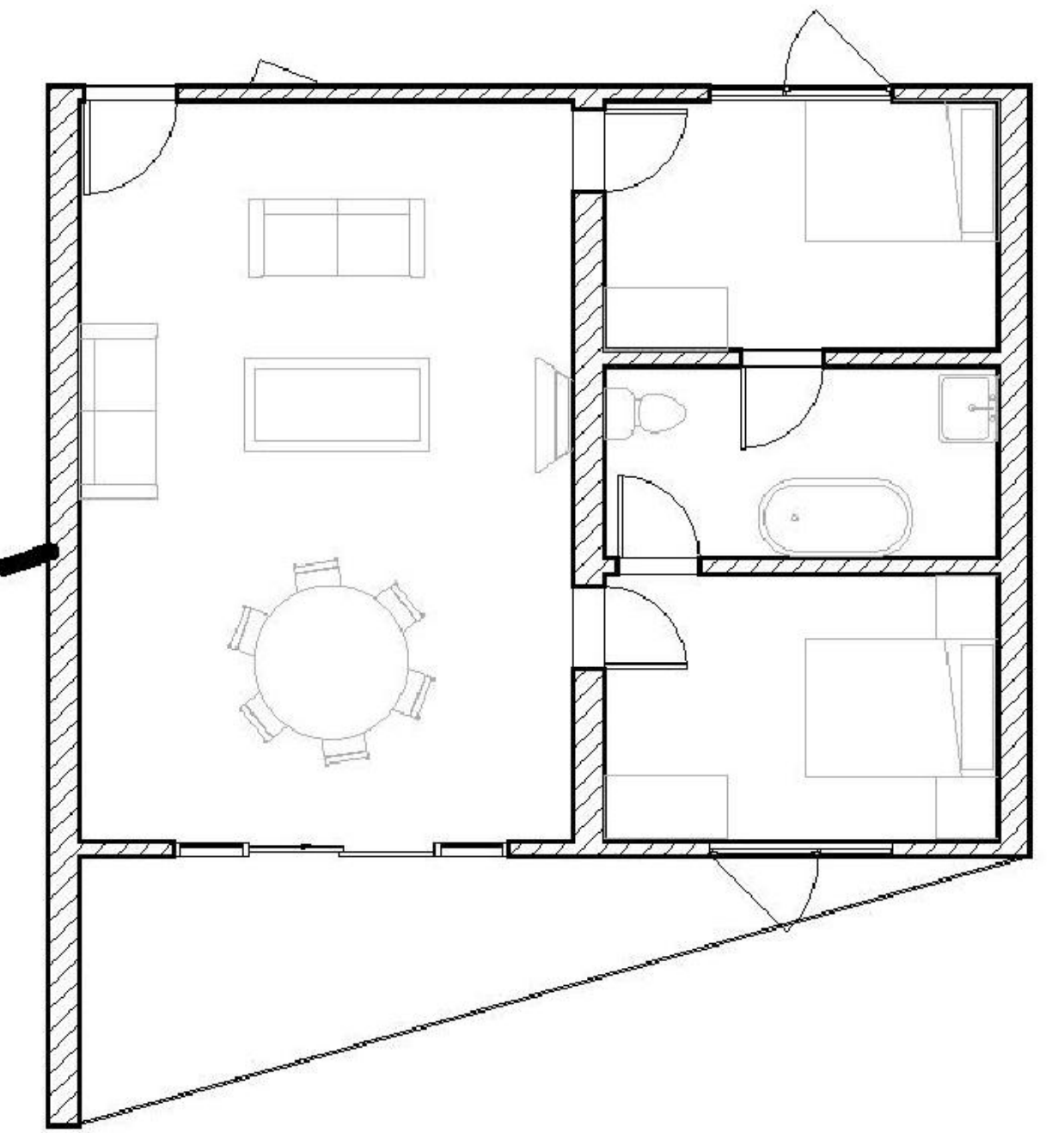
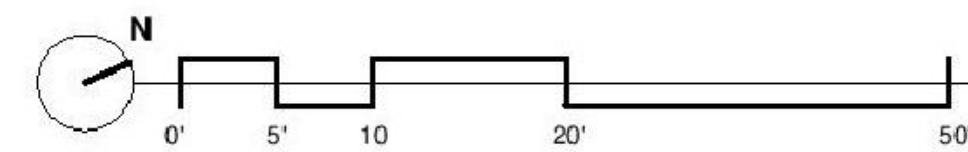
THIRD LEVEL



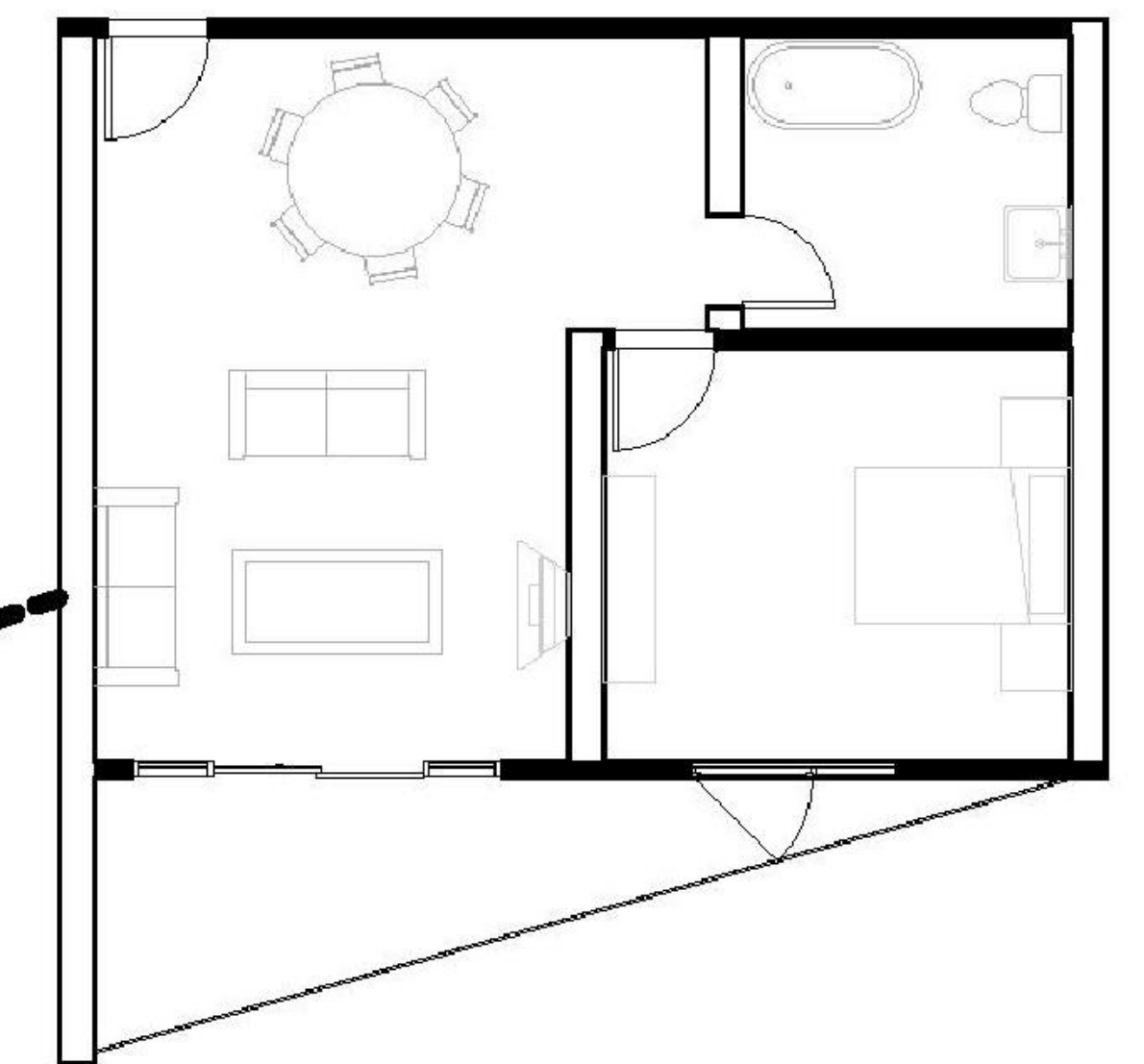
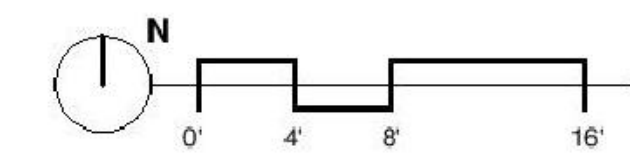
FOURTH LEVEL



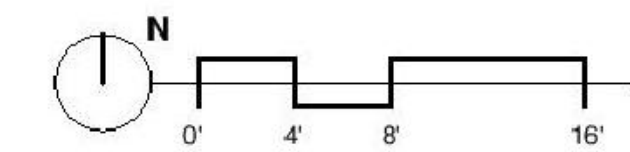
FIFTH LEVEL



TWO BEDROOM UNIT



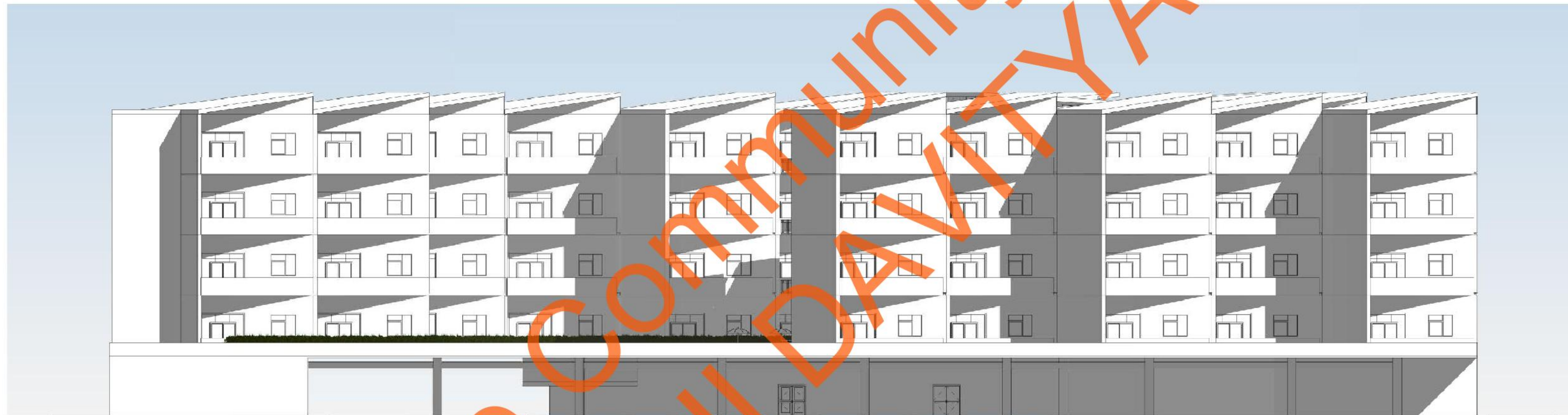
ONE BEDROOM UNIT



Glendale Community College
APR 21 2011 10:41 AM



NORTH ELEVATION



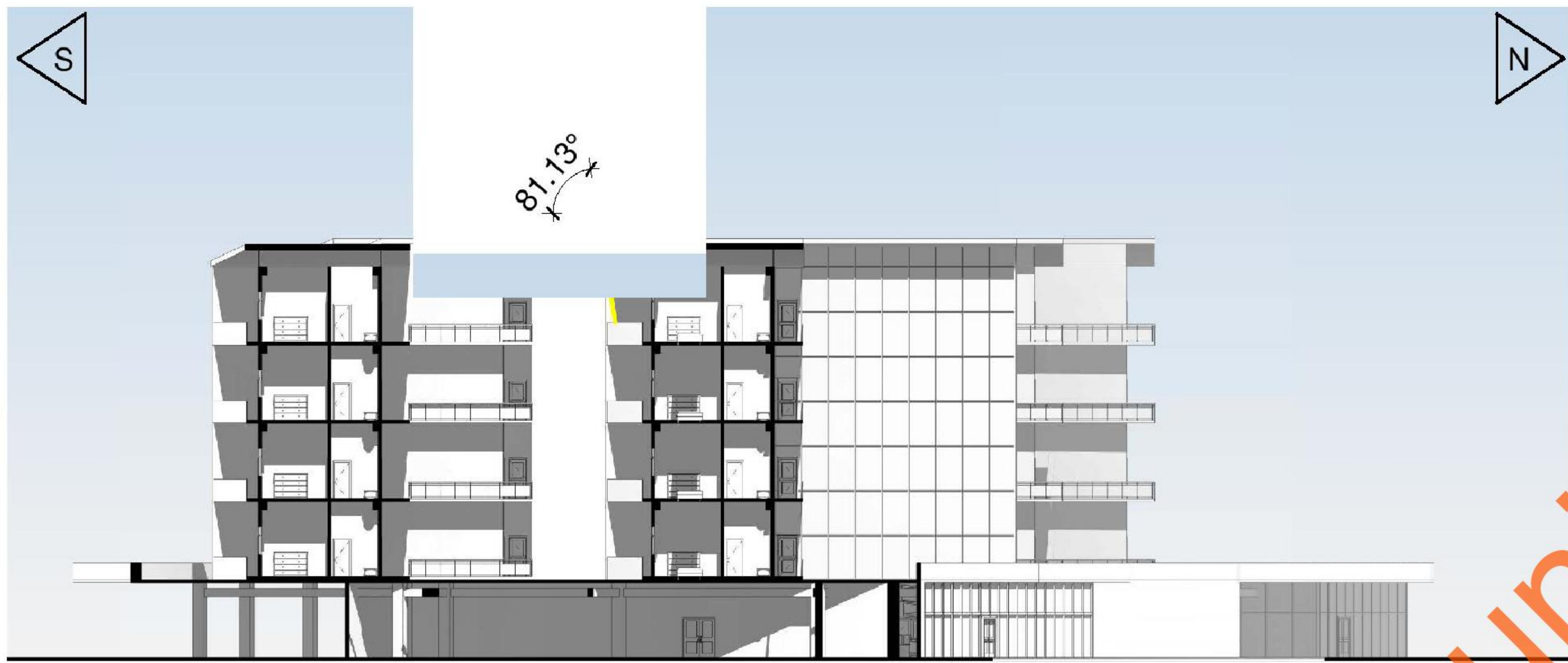
SOUTH ELEVATION



WEST ELEVATION



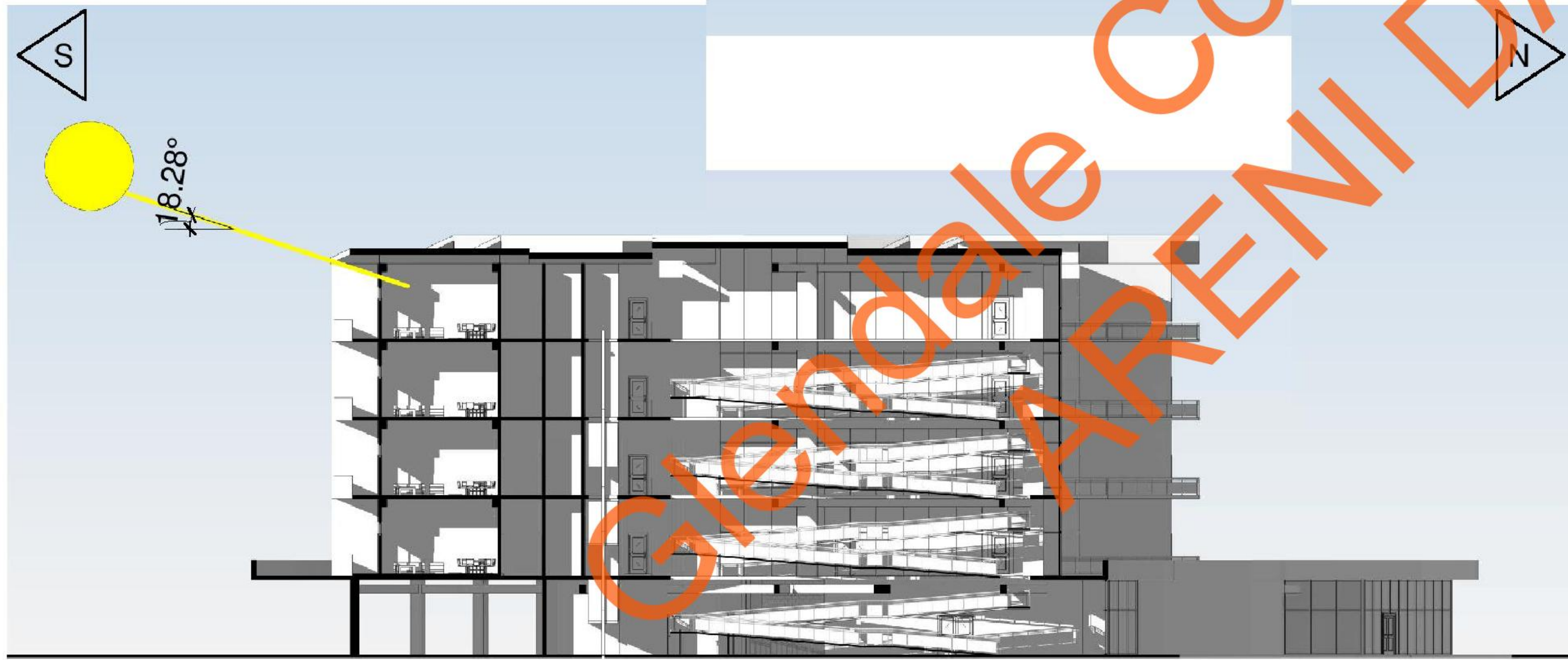
EAST ELEVATION



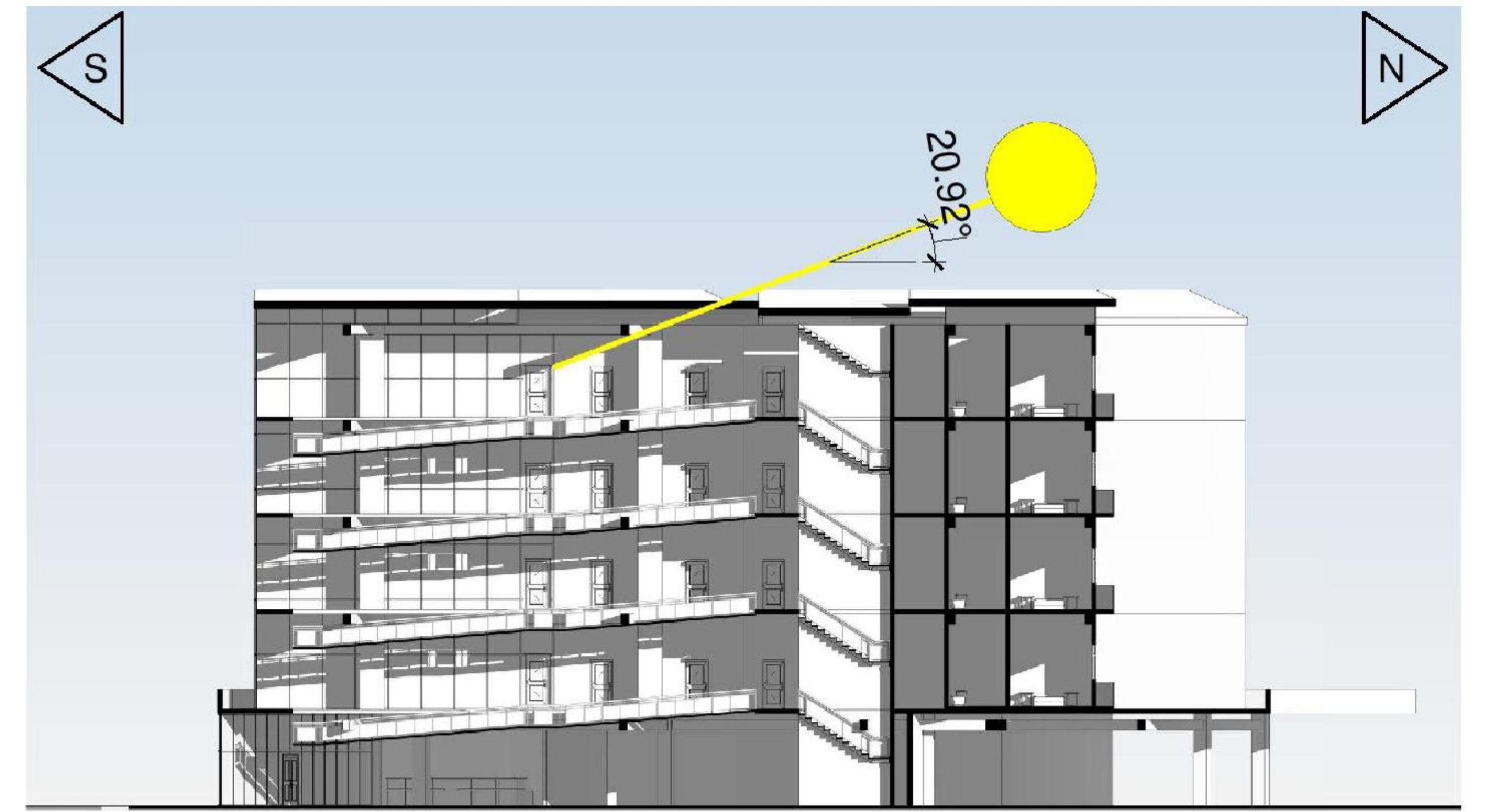
SUMMER SOLSTICE 9:00 AM



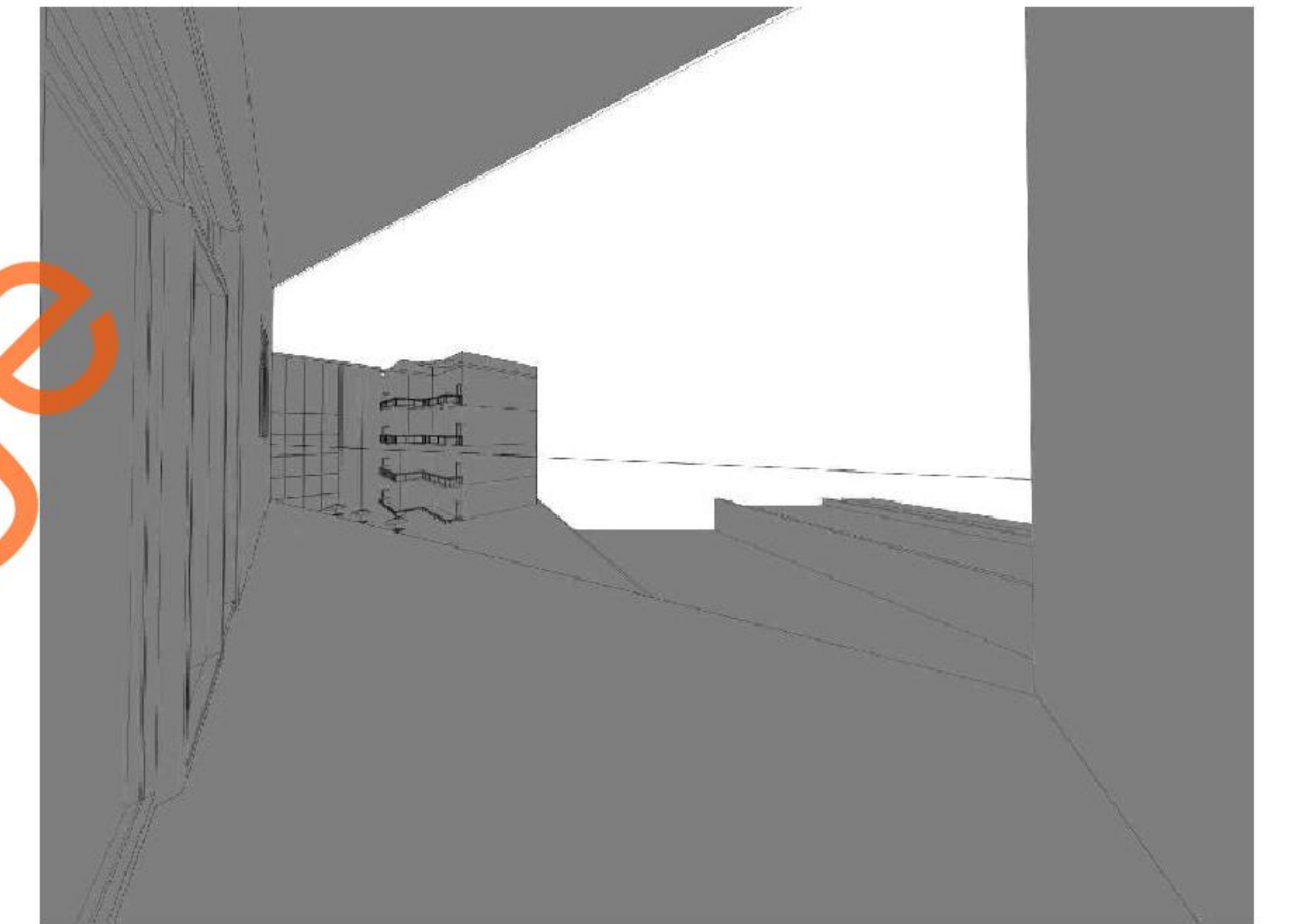
SUMMER SOLSTICE 3:00 PM



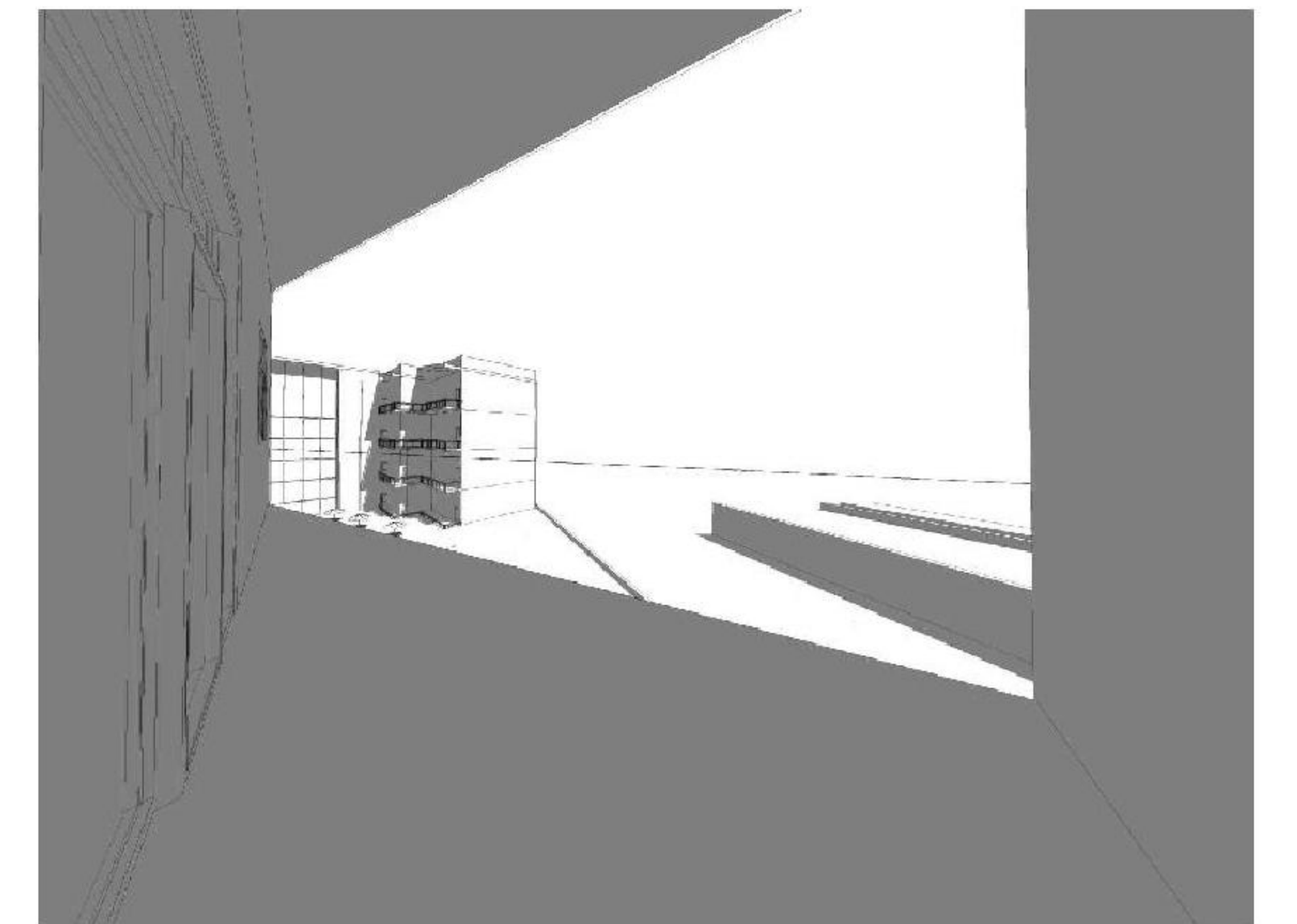
WINTER SOLSTICE 9:00 AM



WINTER SOLSTICE 3:00 PM



SUMMER SOLSTICE 9:00 AM



SUMMER SOLSTICE 3:00 PM

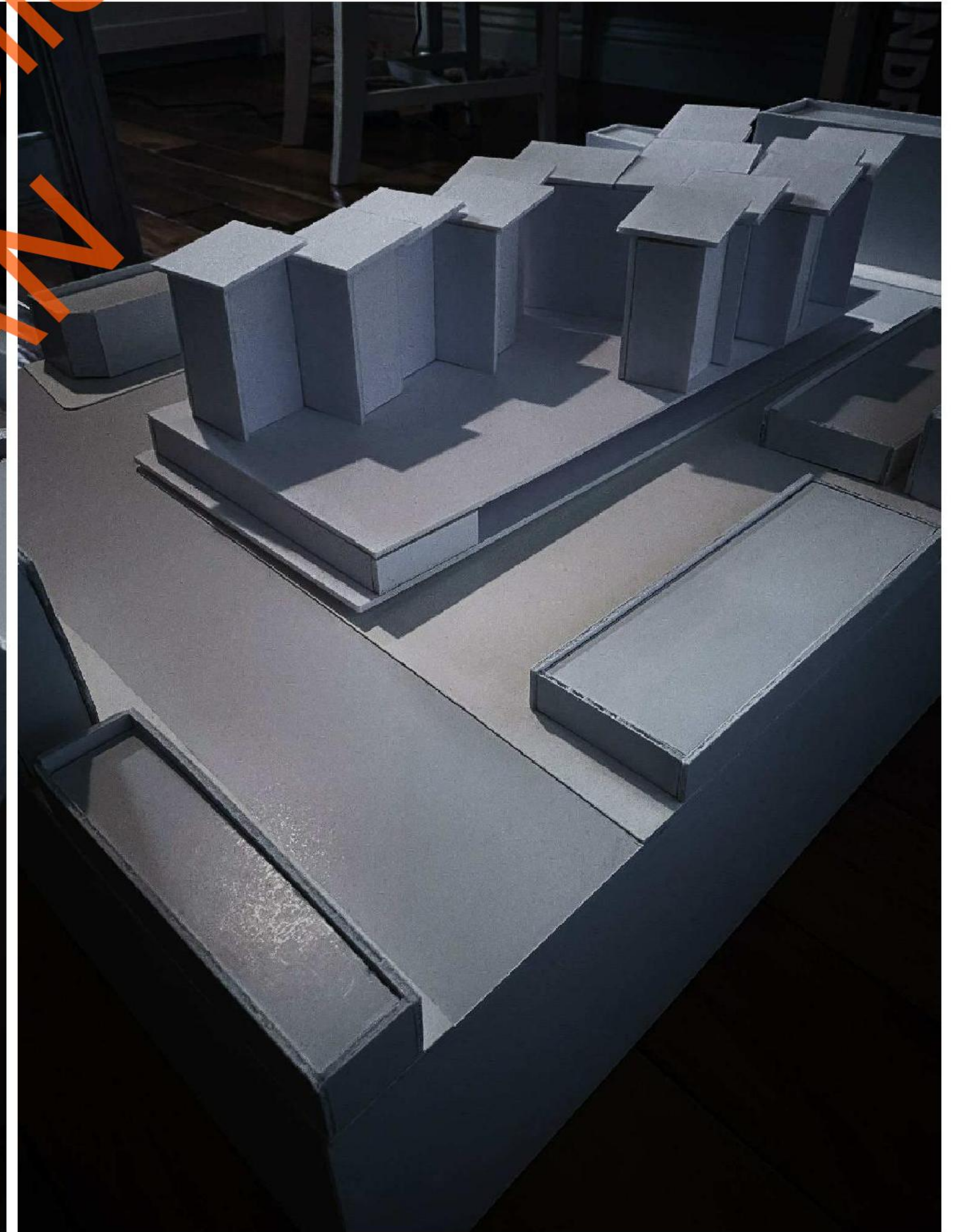




ARIEL VIEW



SOUTHEAST VIEW



SOUTHWEST VIEW

BUILDING MODEL

L SHAPE MIX-USE CASE STUDY

Arch 130 - Commercial Design I Spring 2021

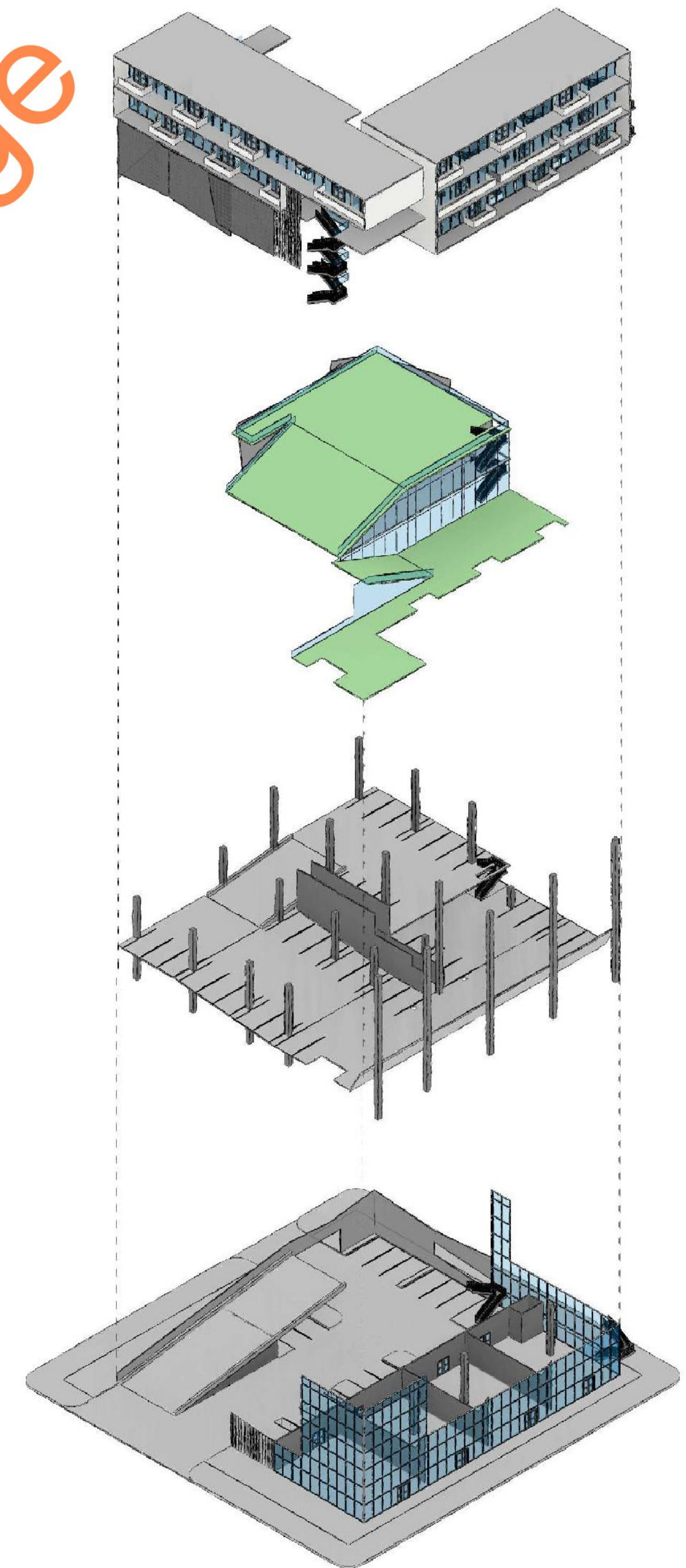
Case study of a proposed mix-use building, located in Miami Beach, Florida; a design curated by LTL architects along with three other similar variations on the same site. As a way to stray away from typical single-use high rise towers which are normally found in Miami, LTL architects designed this mix-use building with regional zoning strategies to combine retail, office, and living spaces in one site. The L- shape design consists of parking and retail at ground level and private programs above ground with office space, rooftop, and living units for residents.

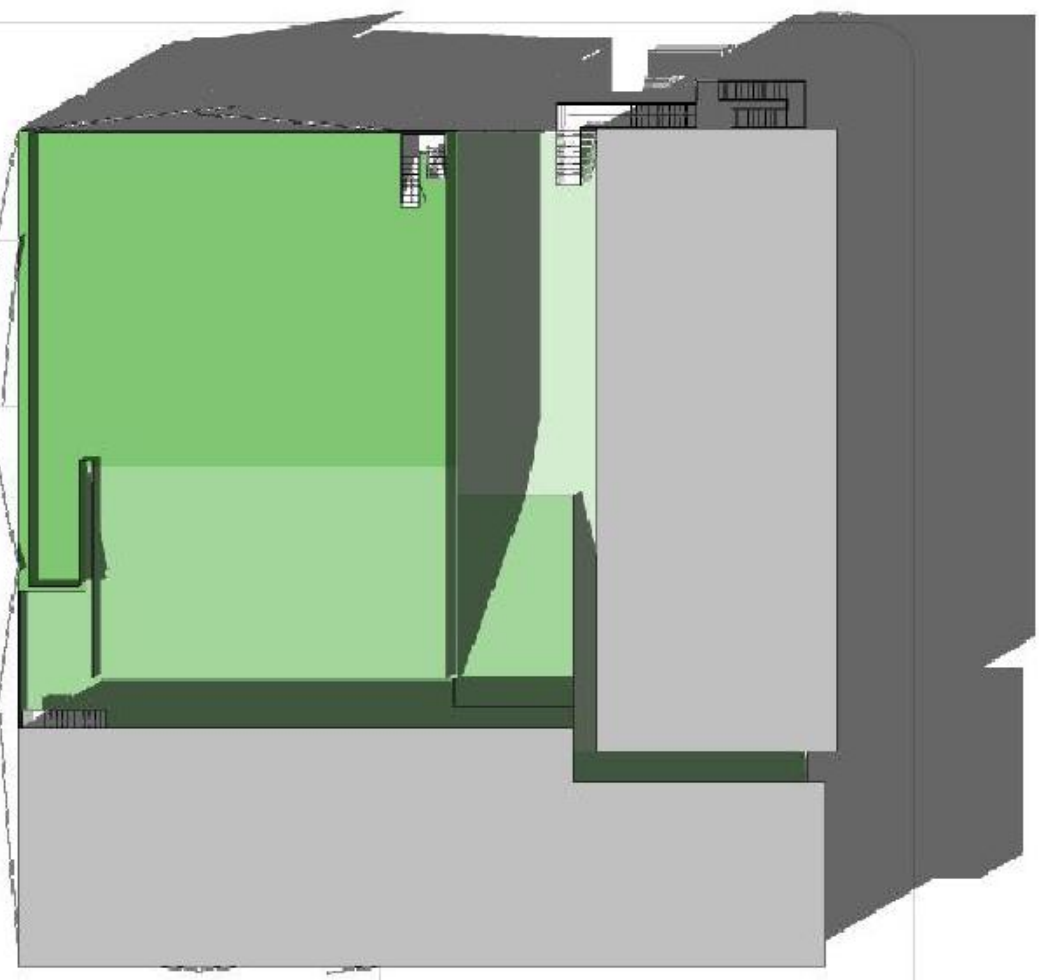
Students were given 4 variations of LTL Architect's building to choose from which included, several 3D view images of the overall design and concept, lacking any floor plans and measurements. We were asked to best recreate the structure, providing floor plans, elevations, sections, and several diagrams, as well as adding our own touch. As stated in the project information, students need to demonstrate their ability to reproduce the building in Revit by studying and investigating the structure to fill out any missing information.

The program requirement includes:

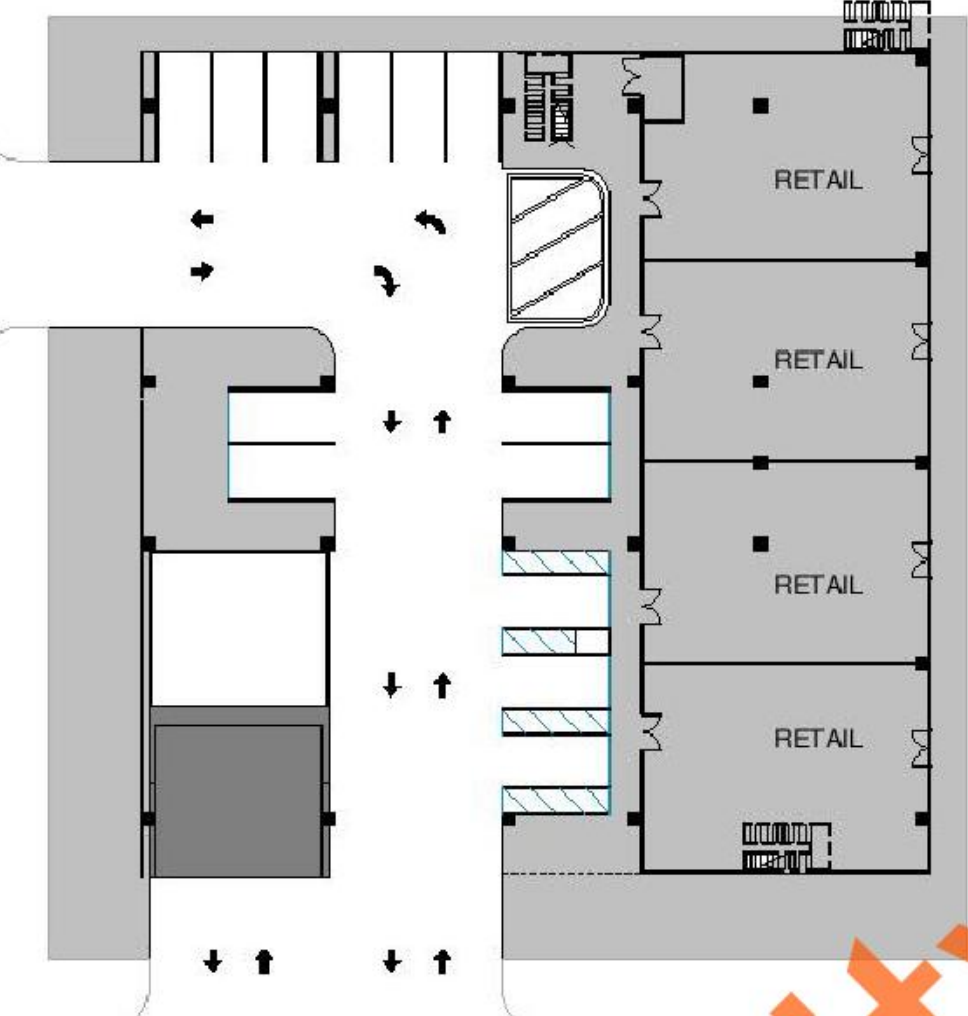
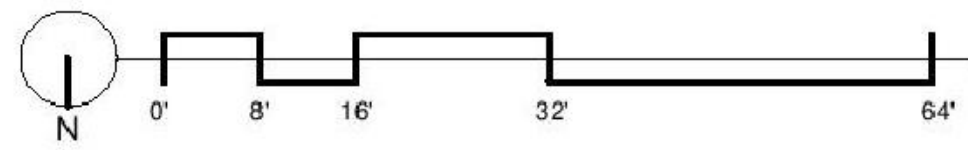
- Parking
- Retail Space
- Living Units
- Office Space

Along with reproducing the building, I changed aspects of the design along the way, such as unit layouts and exterior facades. Living units were designed with 4 levels and a single hallway for main circulation. Each have in-unit stairs which lead to either level 3 or 5, allowing for optimum space and views from both sides.

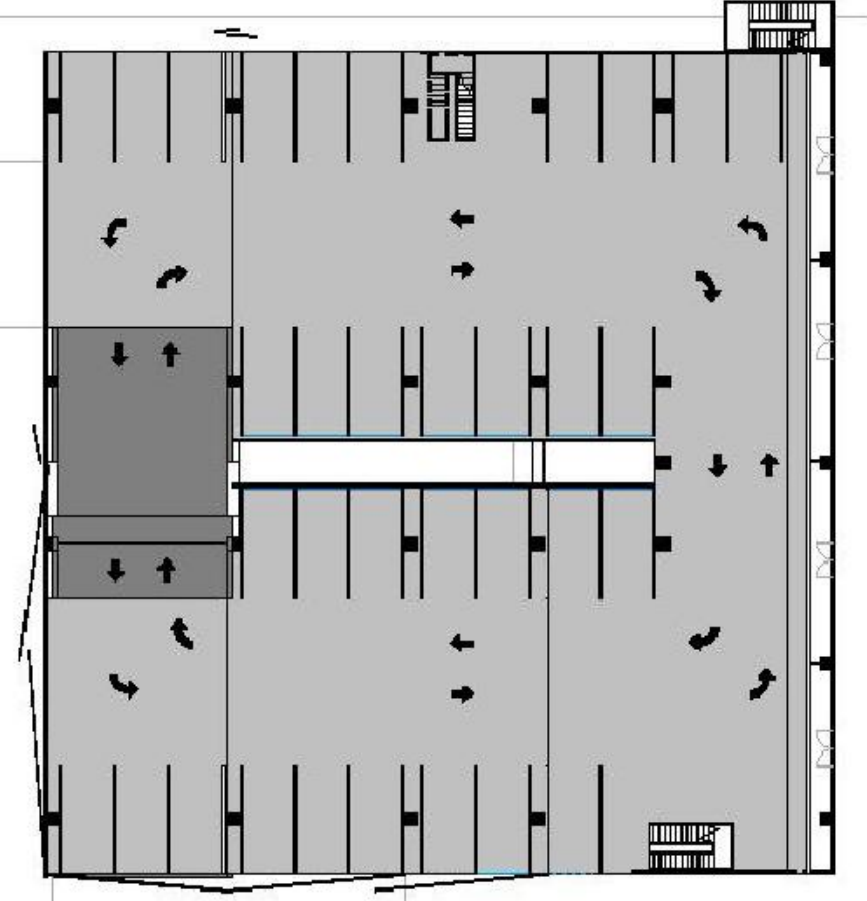




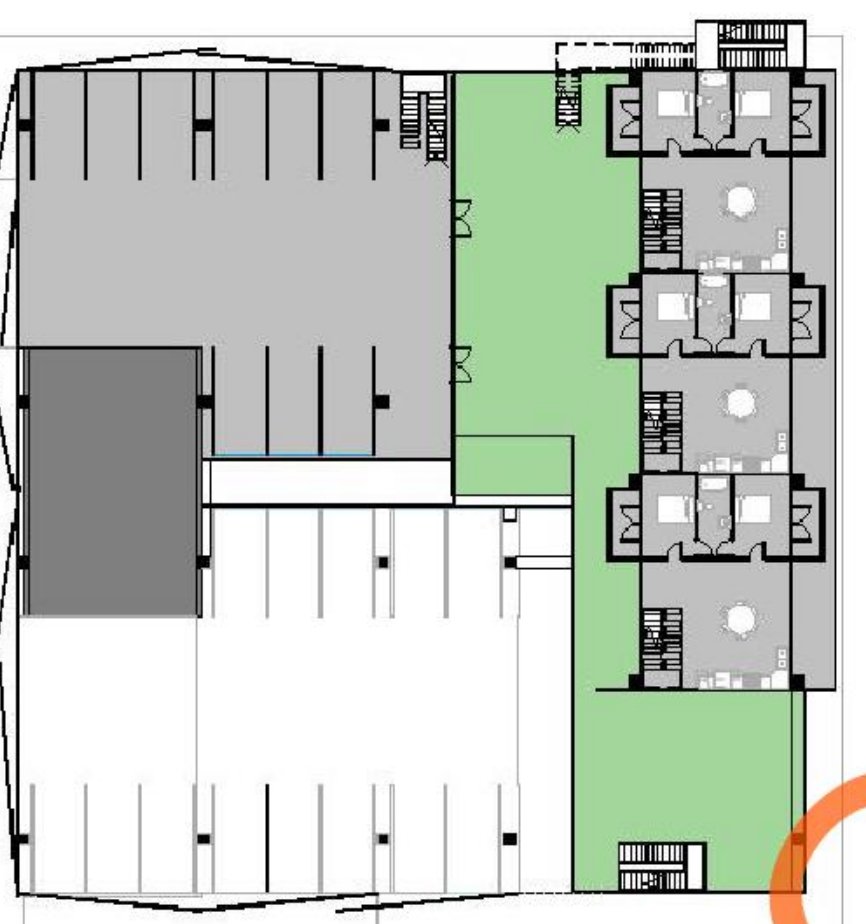
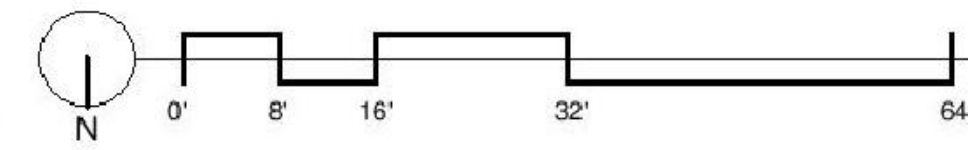
SITE



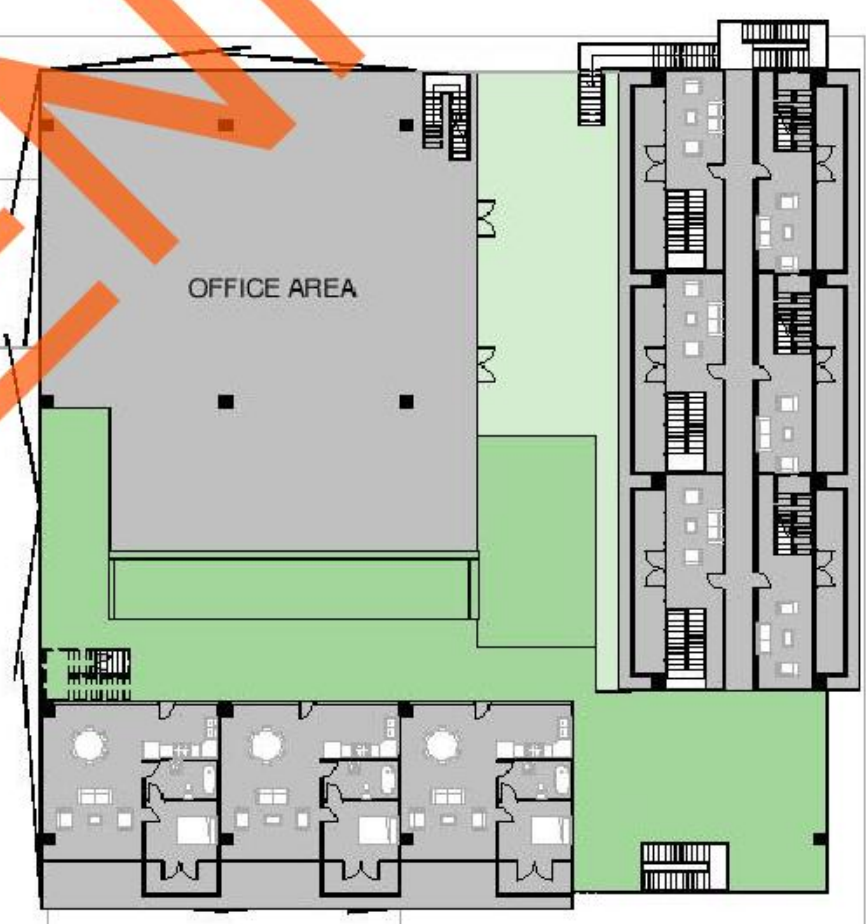
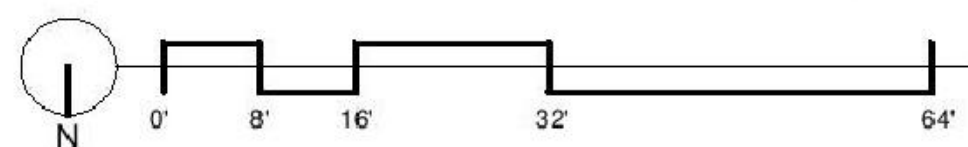
GROUND LEVEL



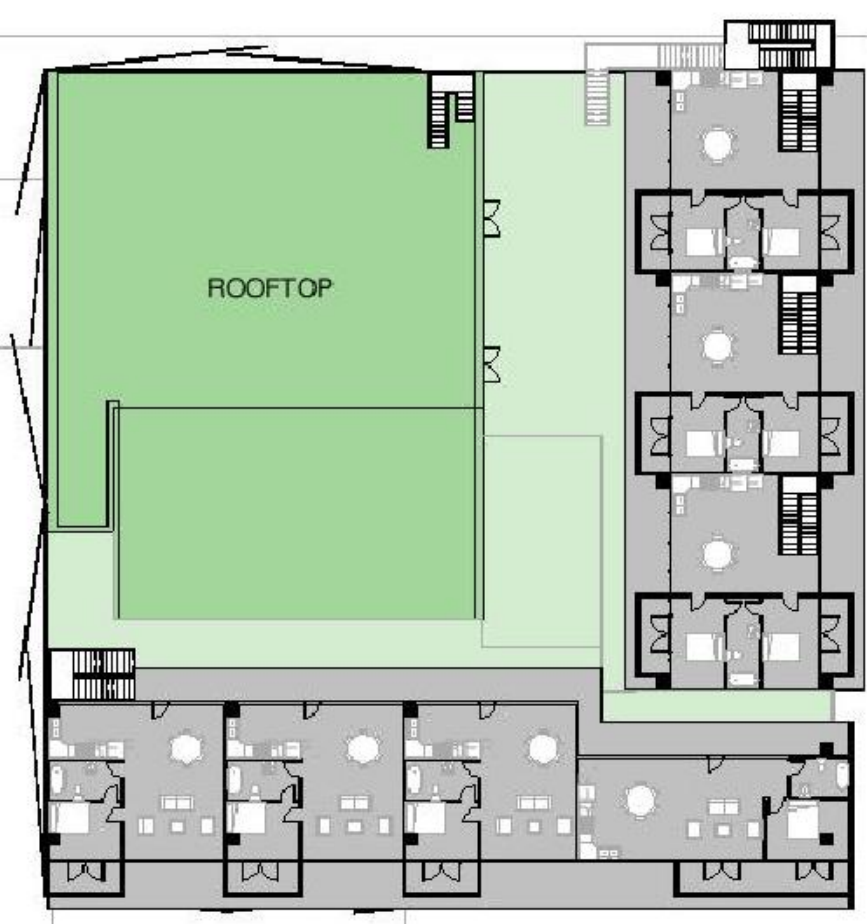
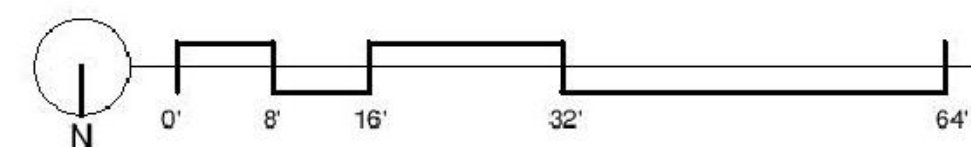
SECOND LEVEL



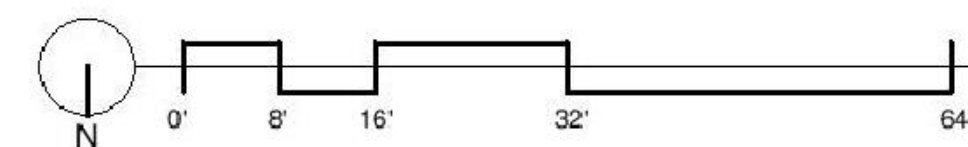
THIRD LEVEL



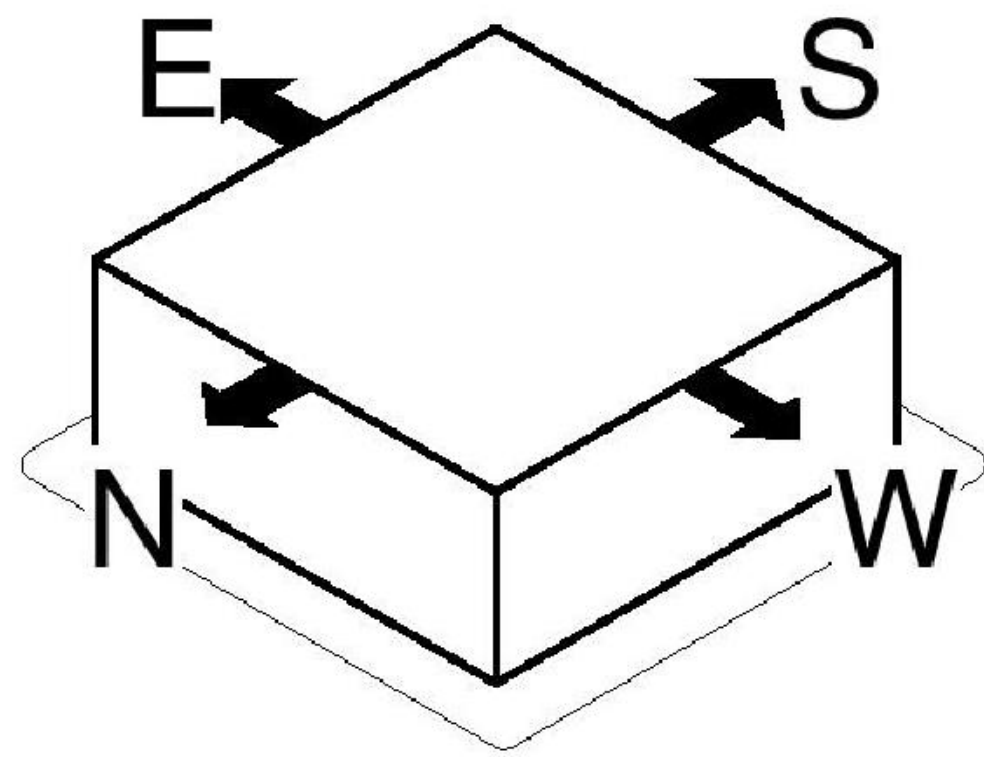
FOURTH LEVEL



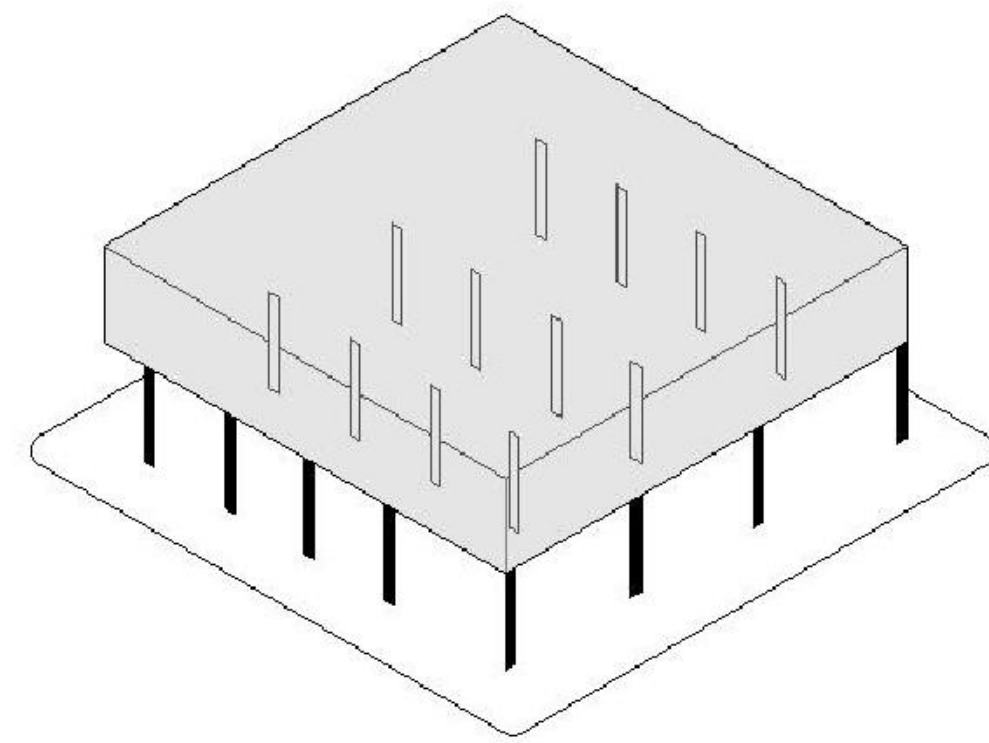
FIFTH LEVEL



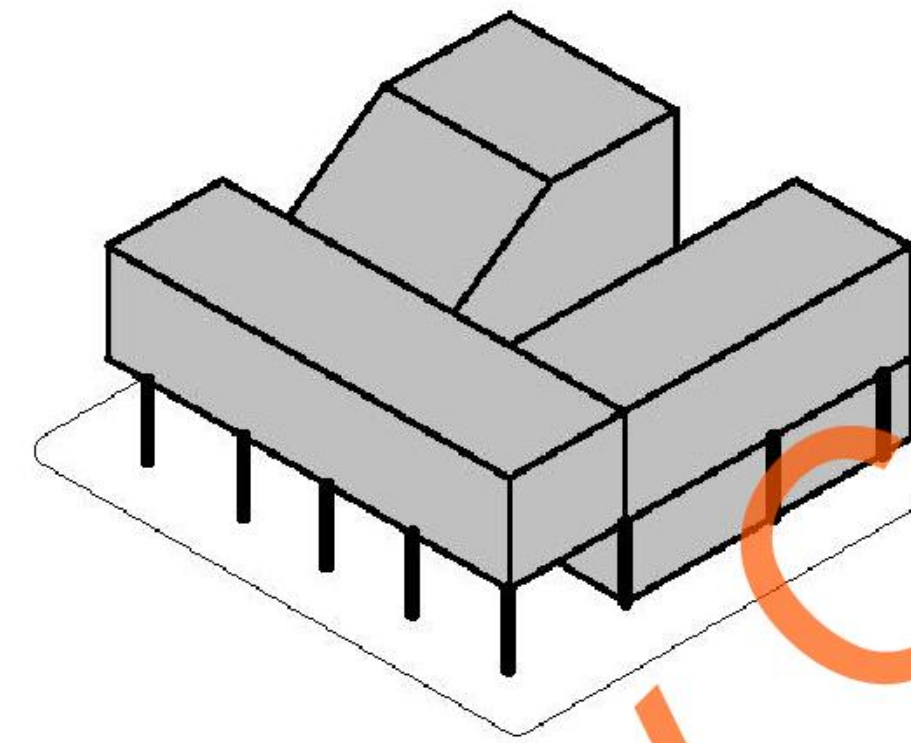
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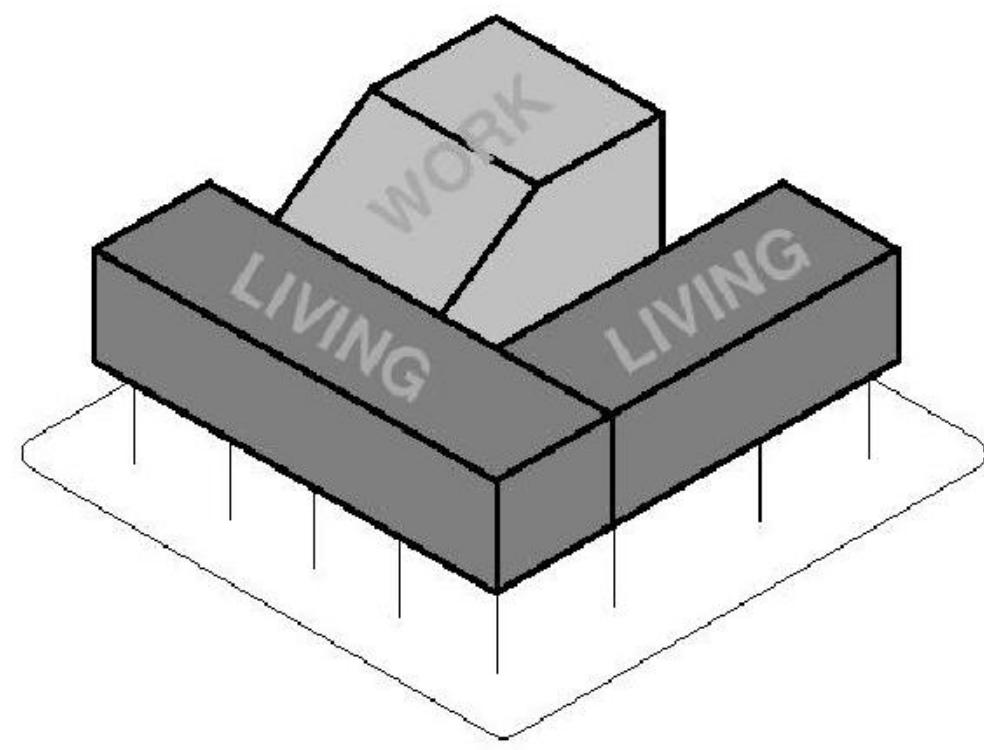
THE TOTAL MASS OF A BUILDING



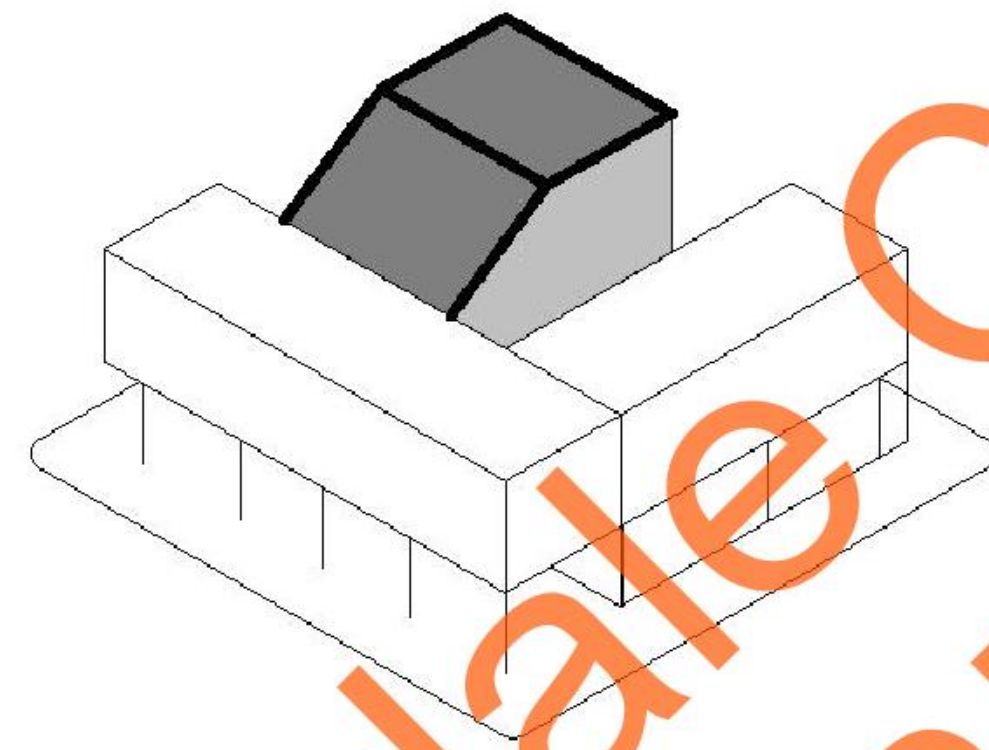
THE TOTAL WEIGHT OF THE BUILDING IS SUPPORTED BY A COLUMN AND BEAM SYSTEM



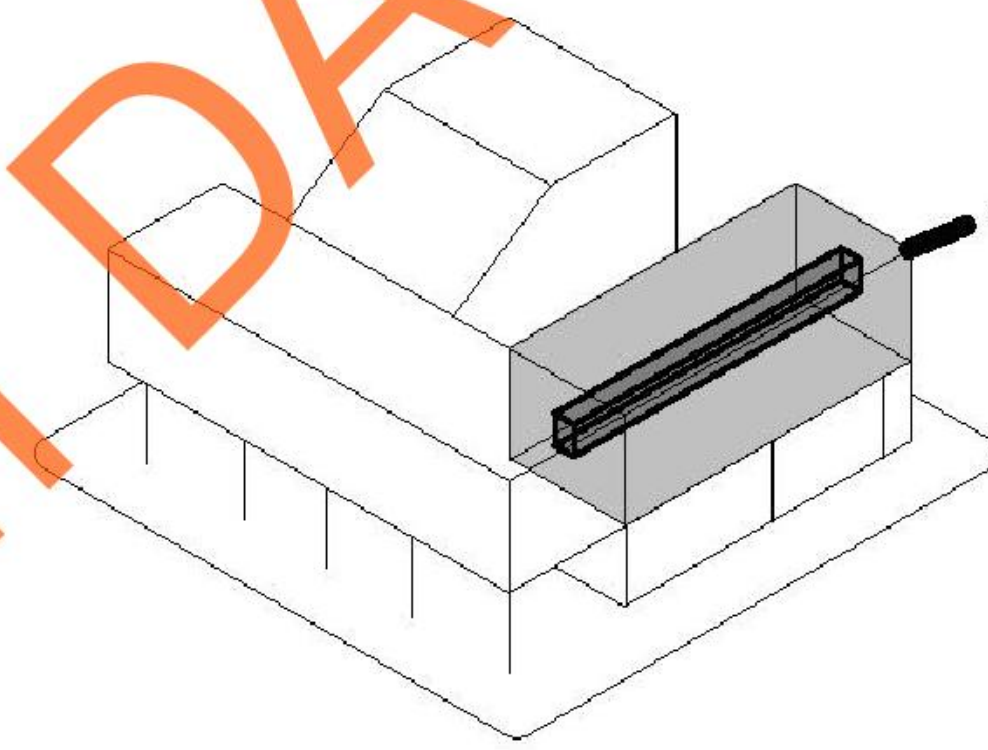
ALL INTERIOR AND EXTERIOR WALLS ARE NOT LOAD BEARING, SO THAT IT CAN BE FREEFORM



DESIGNATED WORK AREA NEAR LIVING UNITS FOR EASY ACCESS FOR RESIDENTS



ROOFTOP TERRACE FOR RESIDENTS



LIVING UNITS PLACED IN "L" SHAPES TO MAXIMISE ROOM

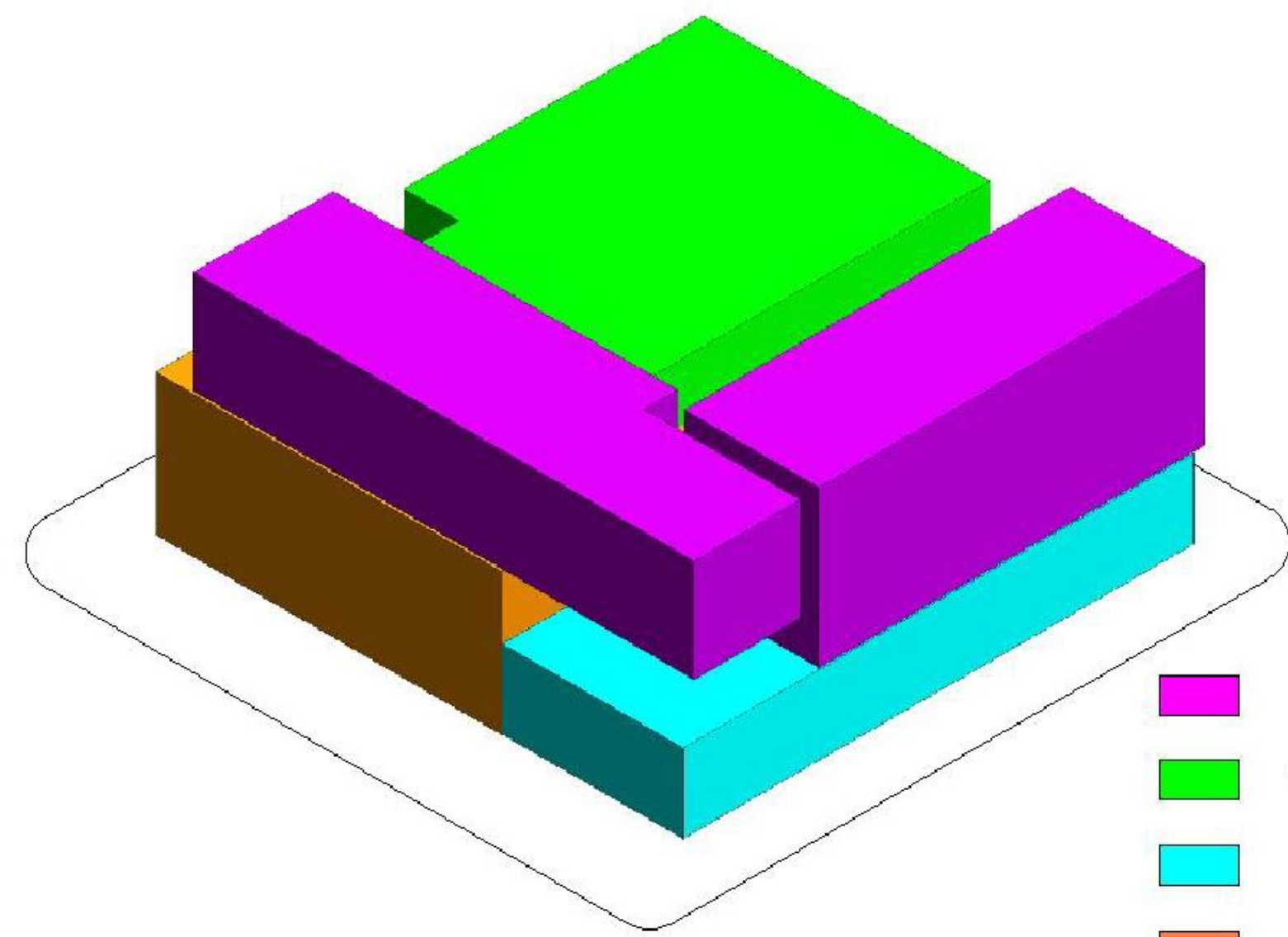


- CENTRAL HALLWAY
- UNITS ON LEVELS 3 & 4
- UNITS ON LEVELS 4 & 5

UNIT LAYOUT SECTION

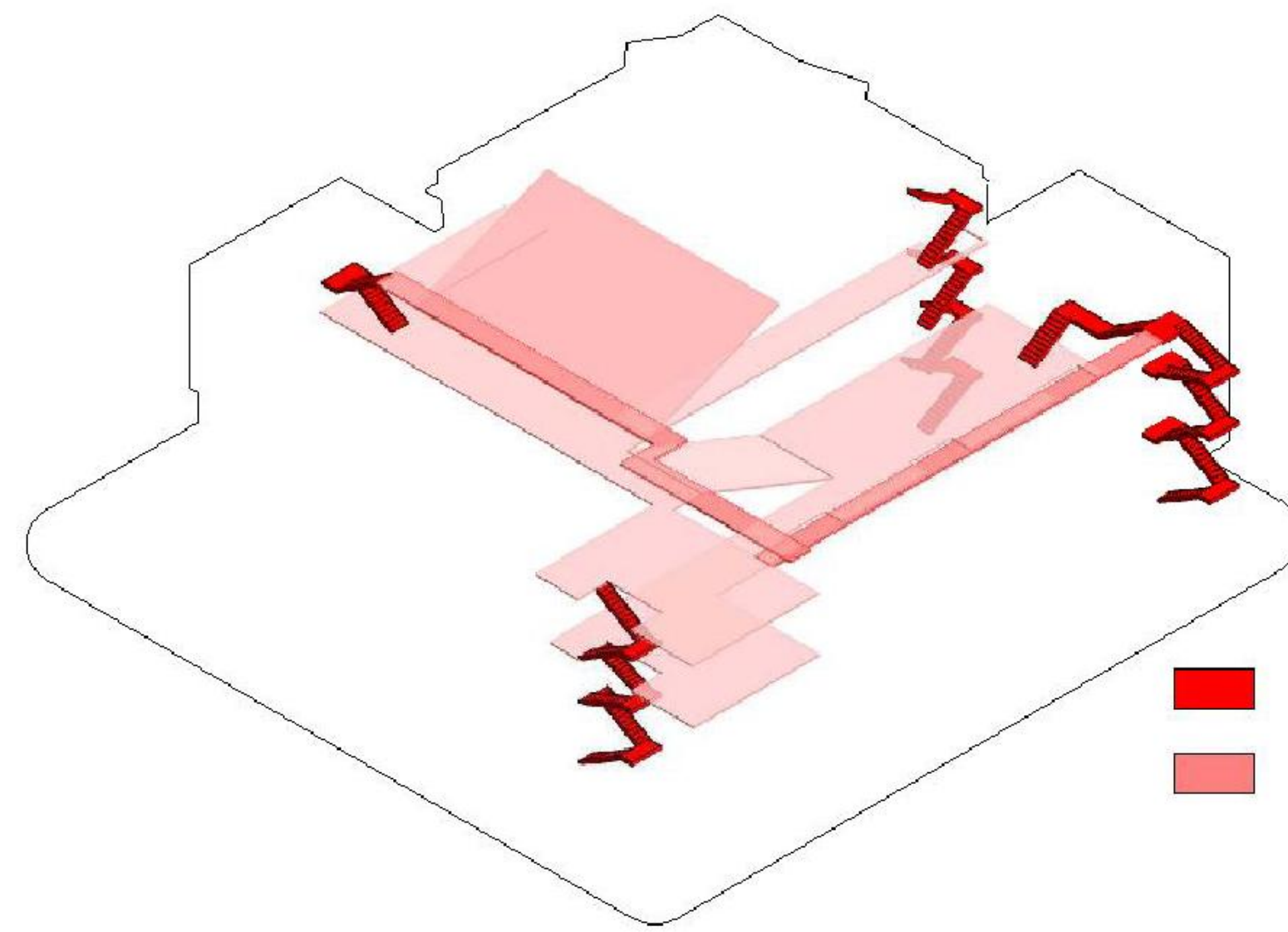
PARTI DIAGRAM

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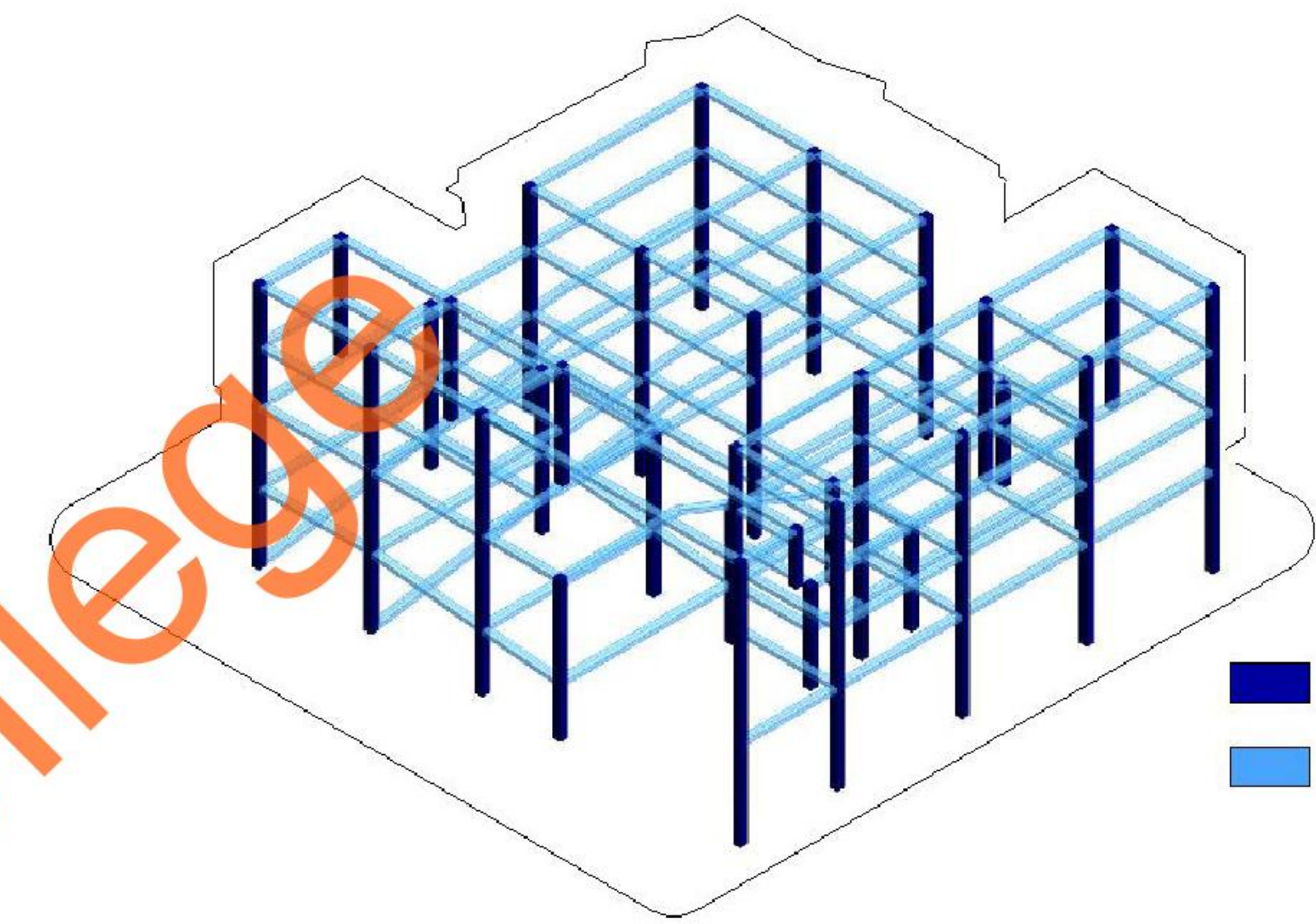
- LIVING UNITS
- WORK AREA
- RETAIL
- PARKING

PROGRAM DIAGRAM



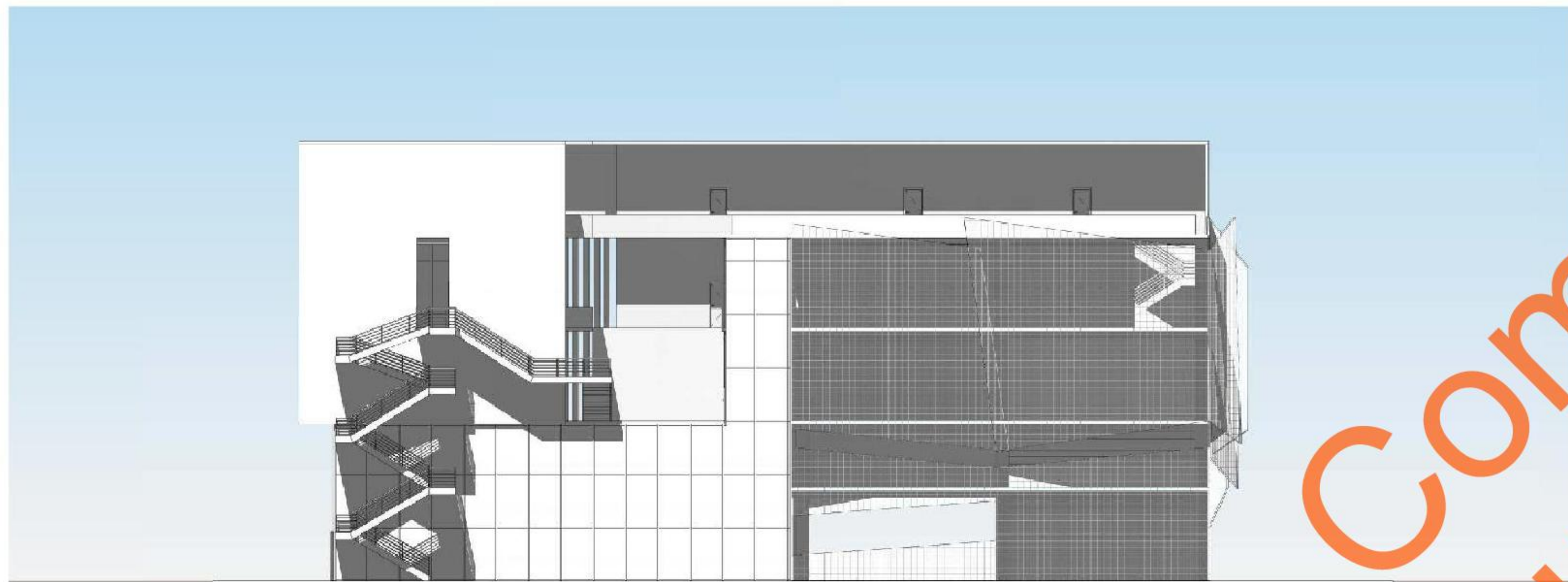
- VERTICAL
- HORIZONTAL

CIRCULATION DIAGRAM

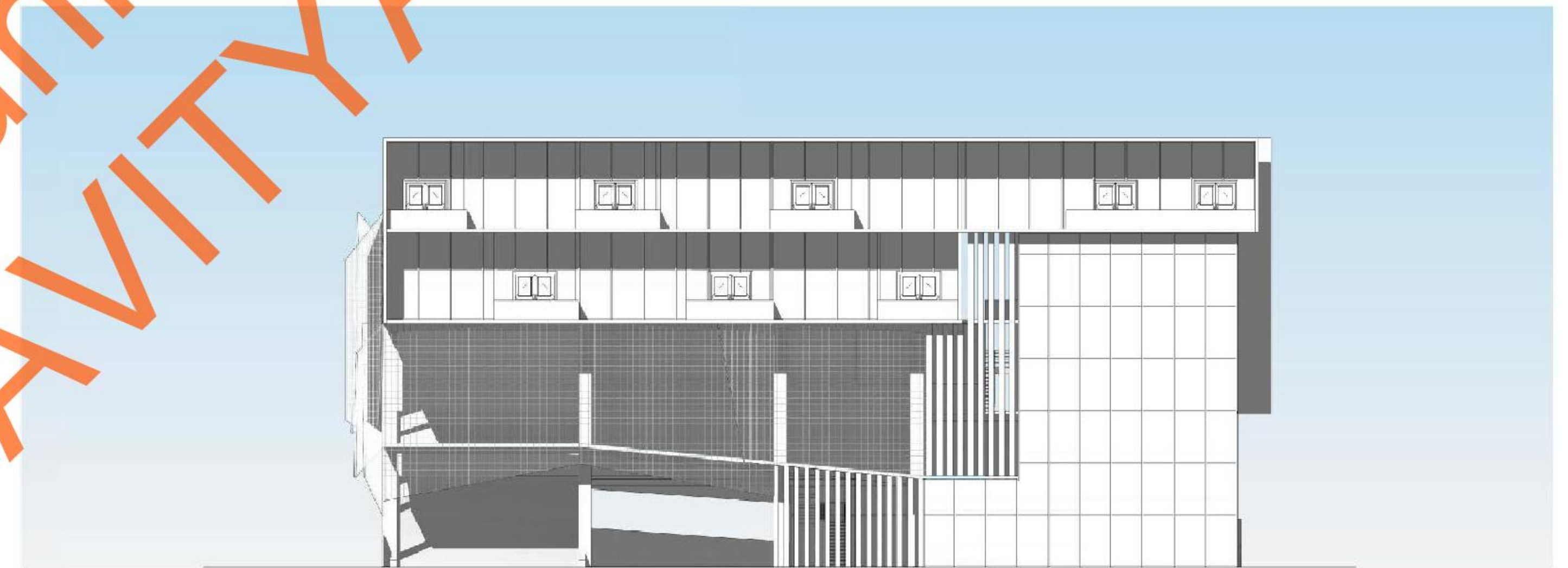
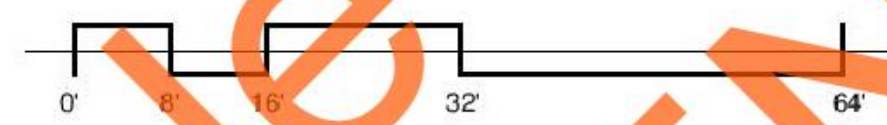


- COLUMNS
- BEAMS

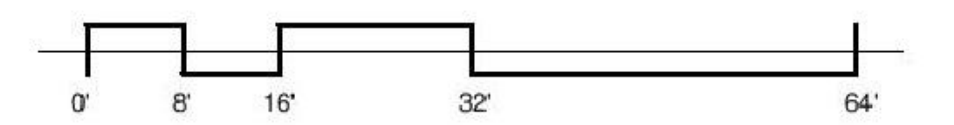
STRUCTURAL DIAGRAM



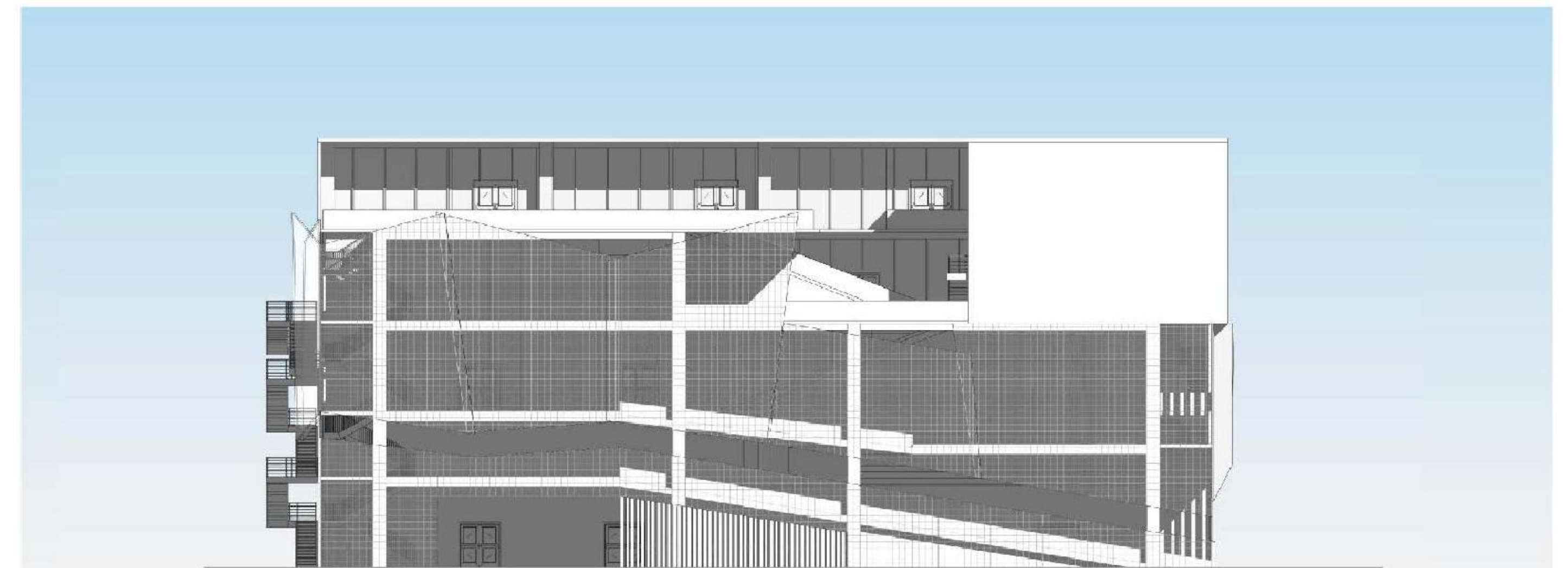
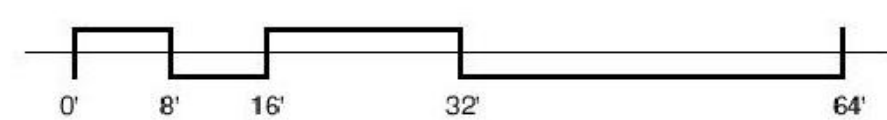
NORTH ELEVATION



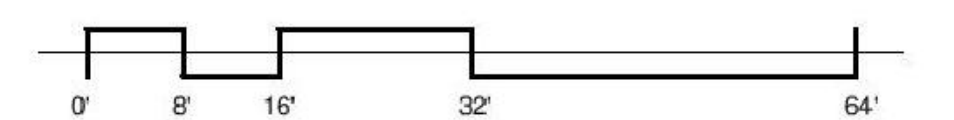
SOUTH ELEVATION



EAST ELEVATION



WEST ELEVATION



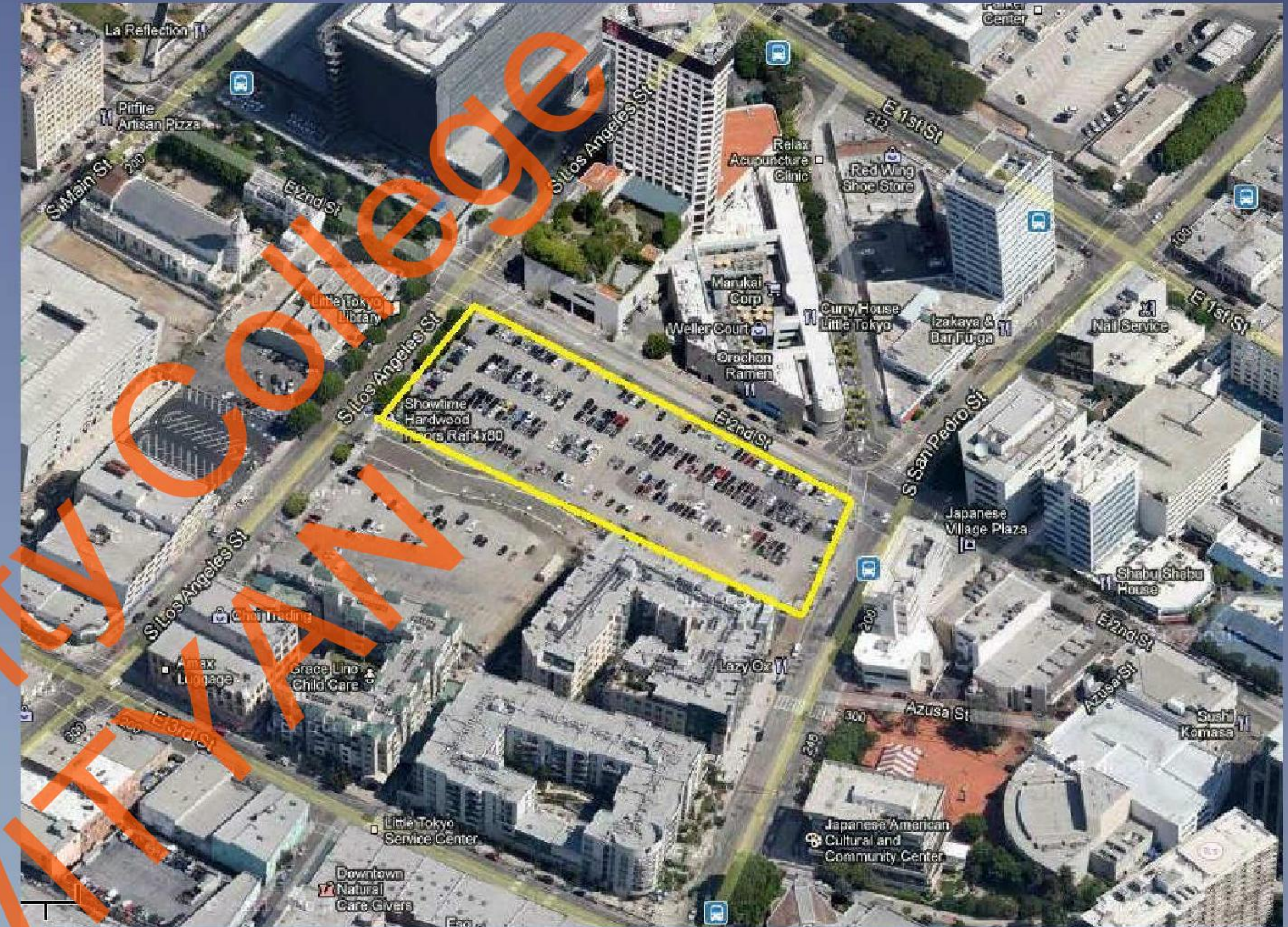
TOKYO ANIME CENTER

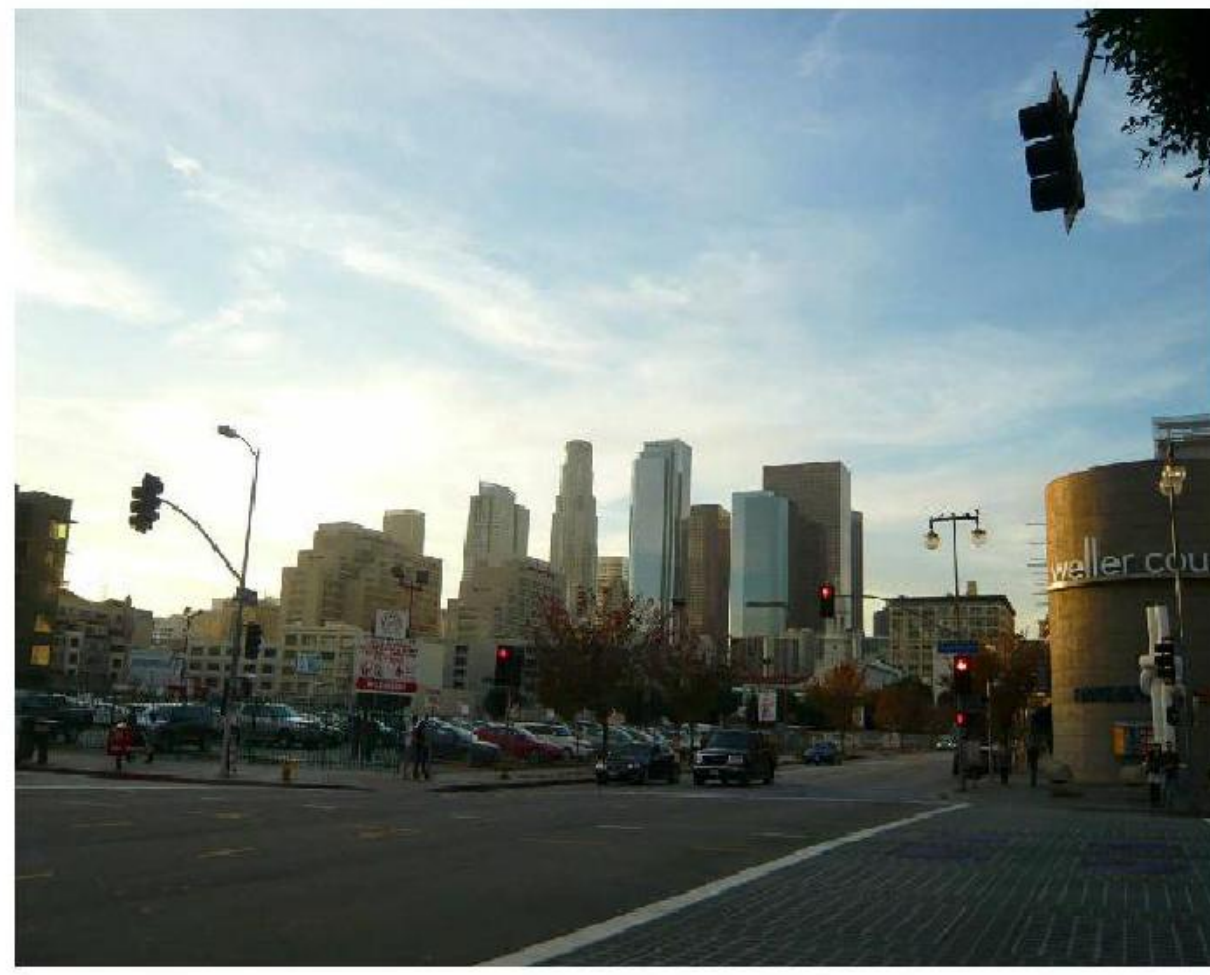
Commercial Architecture Design I - Arch 130

Mixed-use building located at the heart of Little Tokyo in Los Angeles, near many cultural sights and events important to the community. The site address is 282 East 2nd Street, Los Angeles, CA, on the corner of East 2nd Street and San Pedro Street. The site of the proposed building sits on 98,684 sq ft or around 2.3 acres of land. The project description was to design a commercial mix-use building, with a program connecting circulation to its neighboring building, the Weller Court.

The program requirement includes:

- Restaurants and Food Courts
- Outdoor Performance Area
- Professional Office Spaces
- Retail Stores
- Work / Live Apartment Units (which was later added)





DOWNTOWN LOS ANGELES



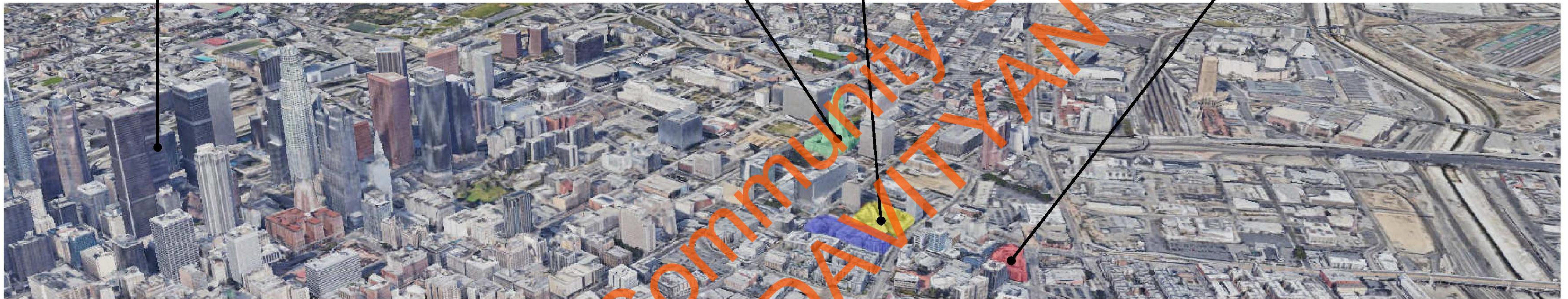
LOS ANGELES CITY HALL



WELLER COURT



LITTLE TOKYO VILLAGE



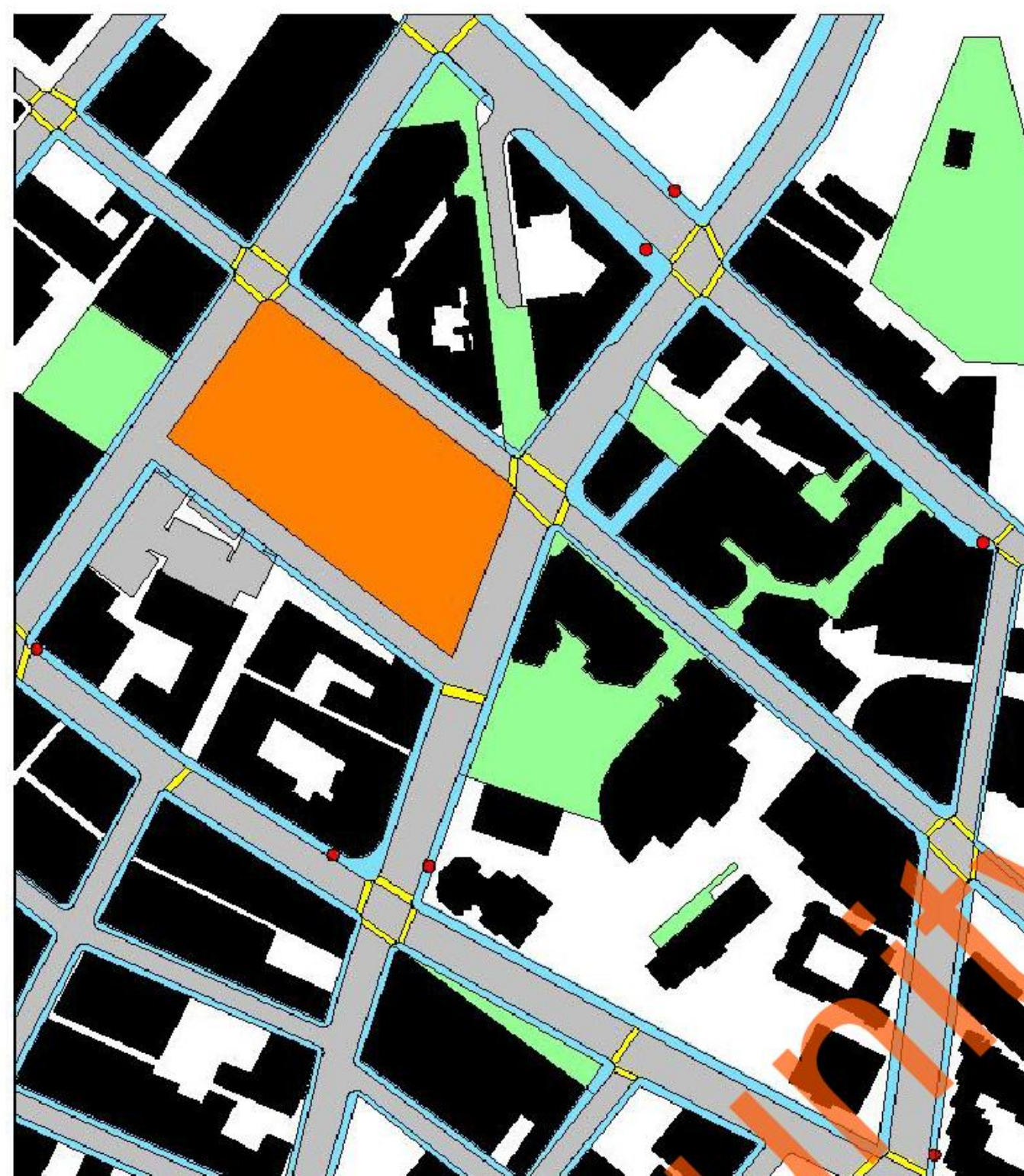
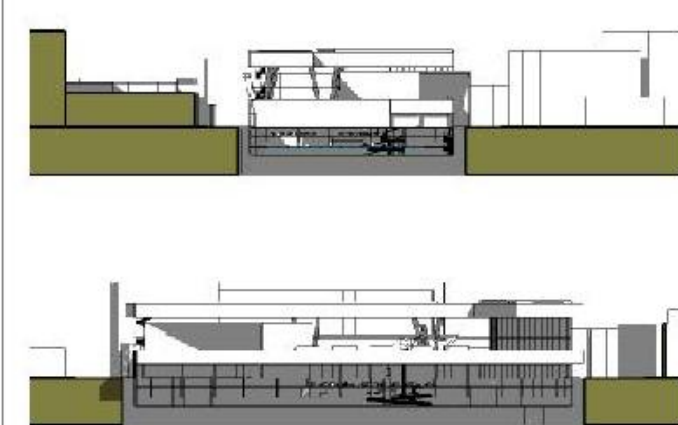
DESIGN STATEMENT:

The Tokyo Anime Center was designed to relate to Little Tokyo's community and accompany the Weller Court with a bridge, where people with a shared interest in Anime and Japanese culture can unite. Taking the form of the programs as building components to frame the downtown view, similar to the Weller Court framing the view of City Hall. The center provides a mixture of public and private spaces for the consumer to enjoy such as; retails, restaurants, and outdoor performance areas, as well as living units for those looking to work from home. The heart of the project is in the center, where large platform steps attract the customer to explore retail shops, restaurants, and eventually the rooftop level where festivals, concerts, and events can be found.

EXISTING CONDITION OF SITE



SITE SECTION DIAGRAM



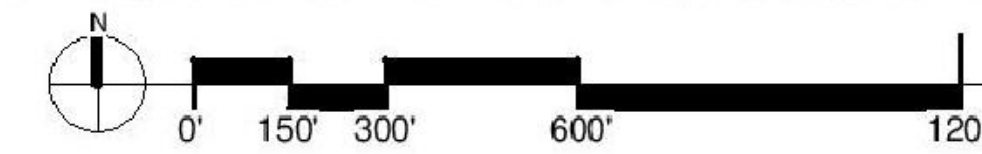
PEDESTRIAN DIAGRAM



- LEGEND:
- SIDE WALK
 - CROSS WALK
 - PEDESTRIAN ACCESS AREA
 - BUS STOP



VENICULAR DIAGRAM

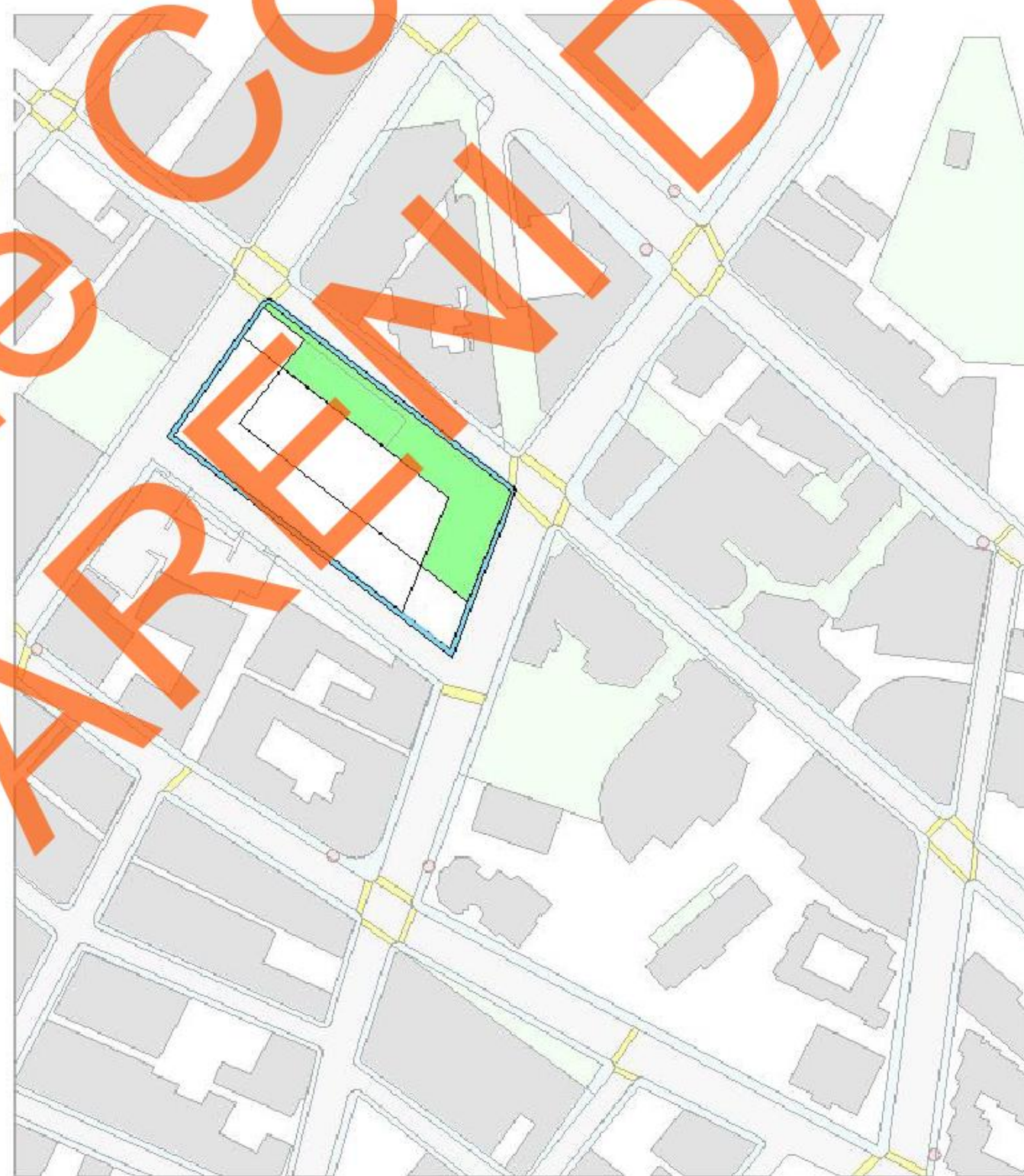
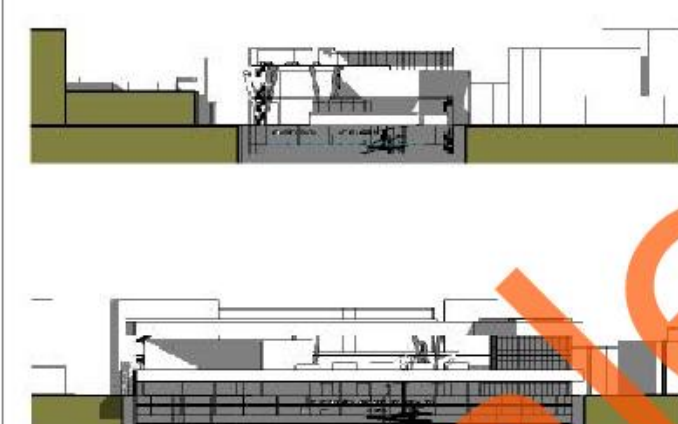


- LEGEND:
- ONE LANE TRAFFIC
 - TWO LANE TRAFFIC
 - THREE LANE TRAFFIC
 - FOUR LANE TRAFFIC

PROPOSED CONDITION OF SITE



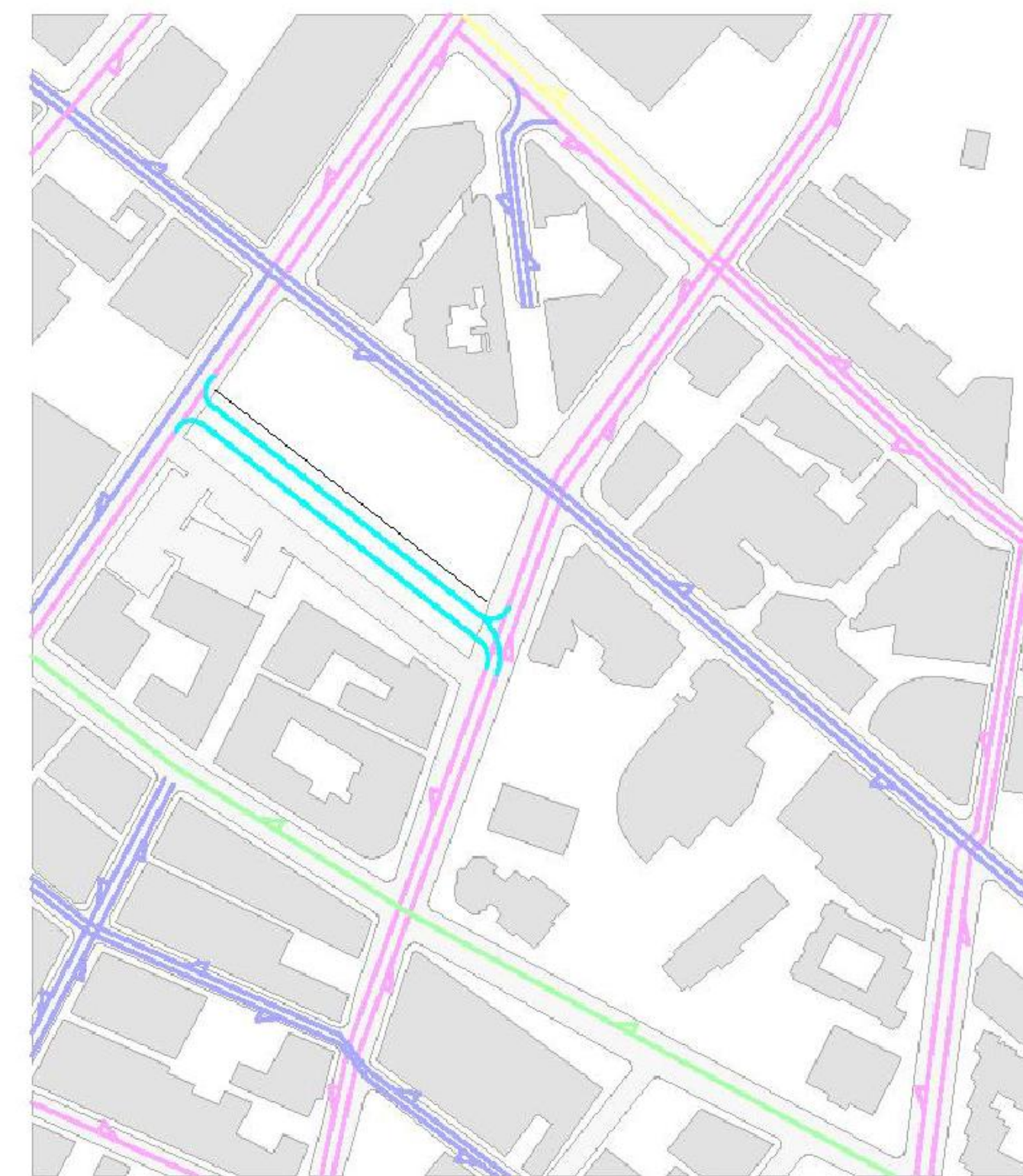
SITE SECTION DIAGRAM



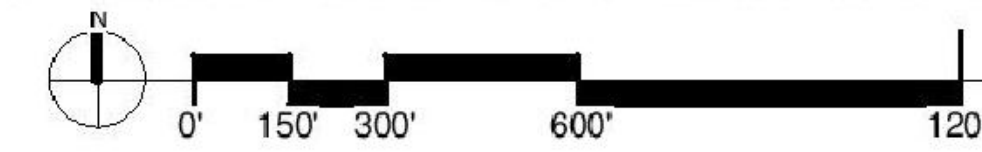
PEDESTRIAN DIAGRAM



- LEGEND:
- SIDE WALK
 - CROSS WALK
 - PEDESTRIAN ACCESS AREA
 - BUS STOP



VENICULAR DIAGRAM

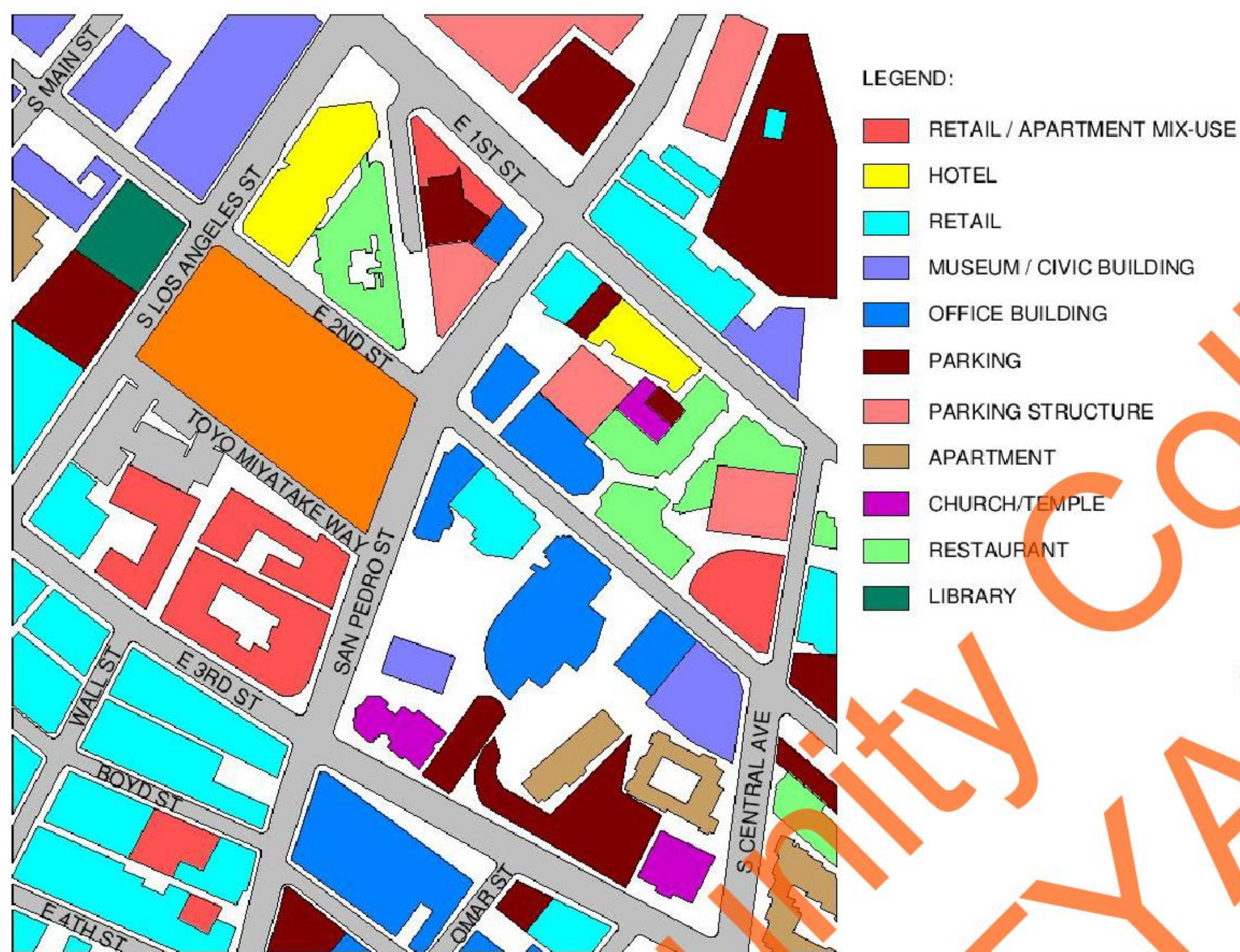
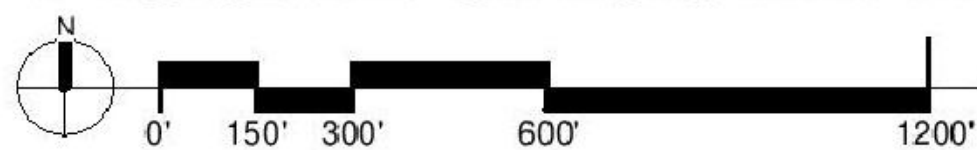


- LEGEND:
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 - TWO LANE TRAFFIC
 - THREE LANE TRAFFIC
 - FOUR LANE TRAFFIC

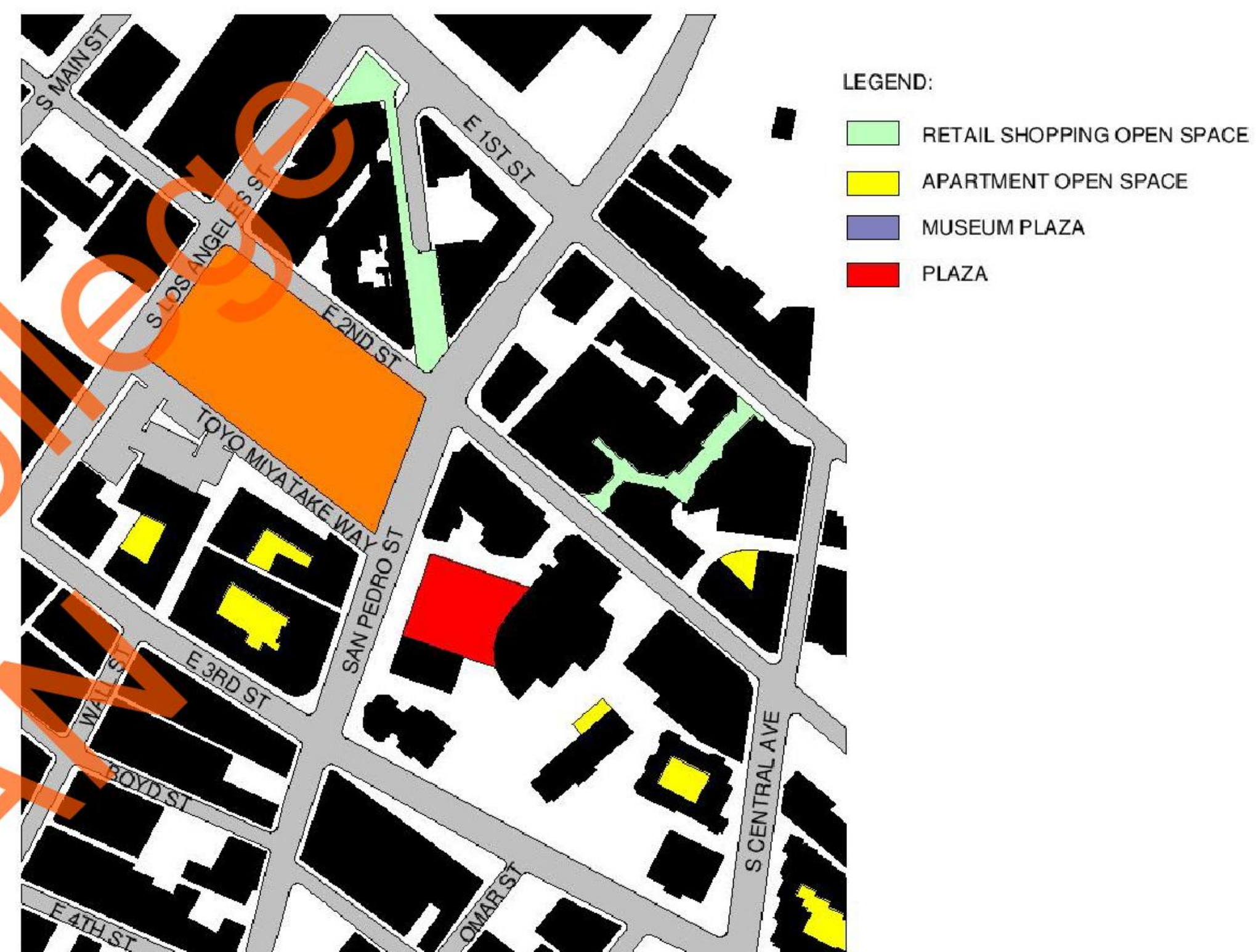
EXISTING CONDITION OF SITE



FIGURE GROUND DIAGRAM



NEIGHBORHOOD DIAGRAM



OPEN SPACE DIAGRAM



PROPOSED CONDITION OF SITE

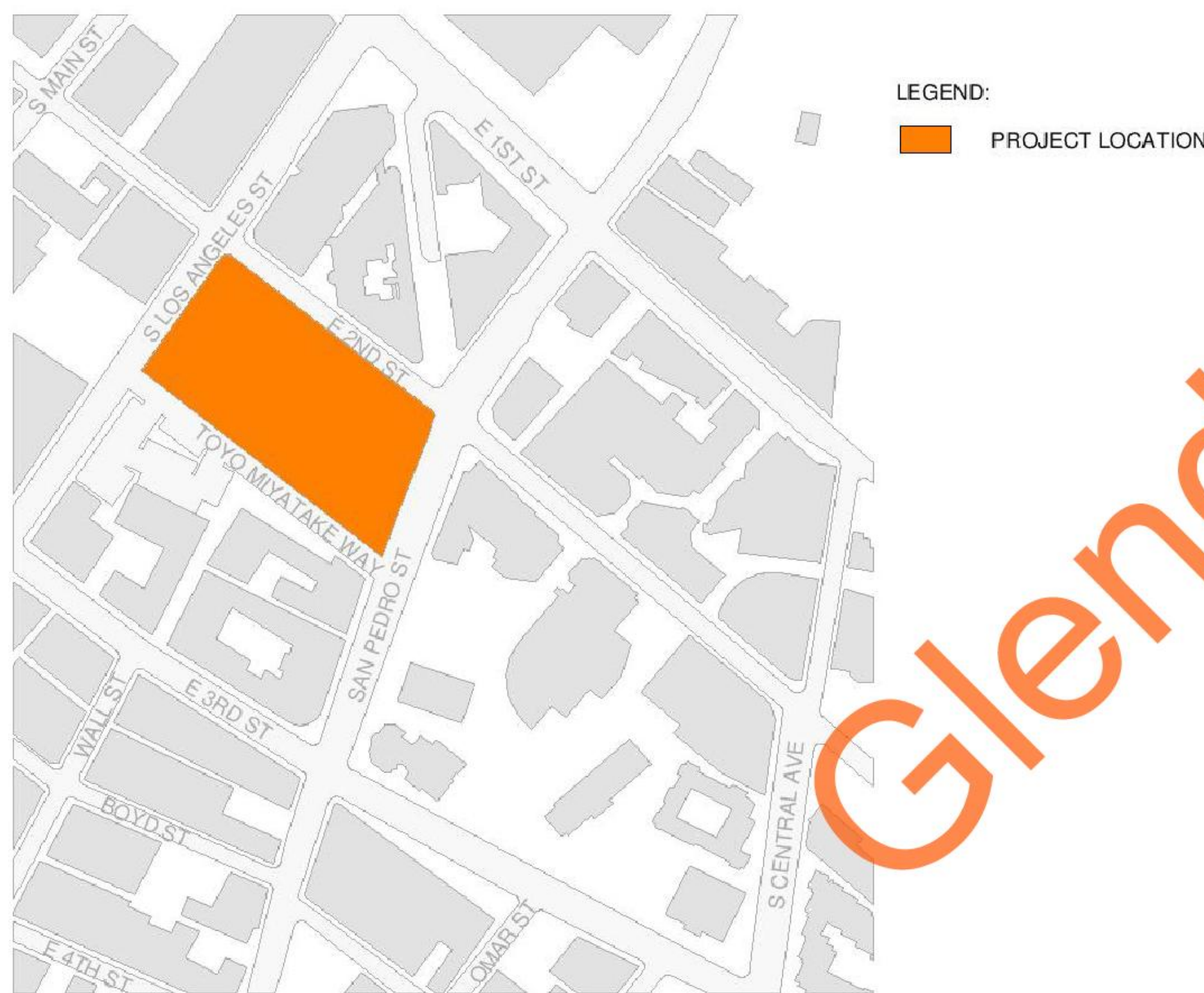
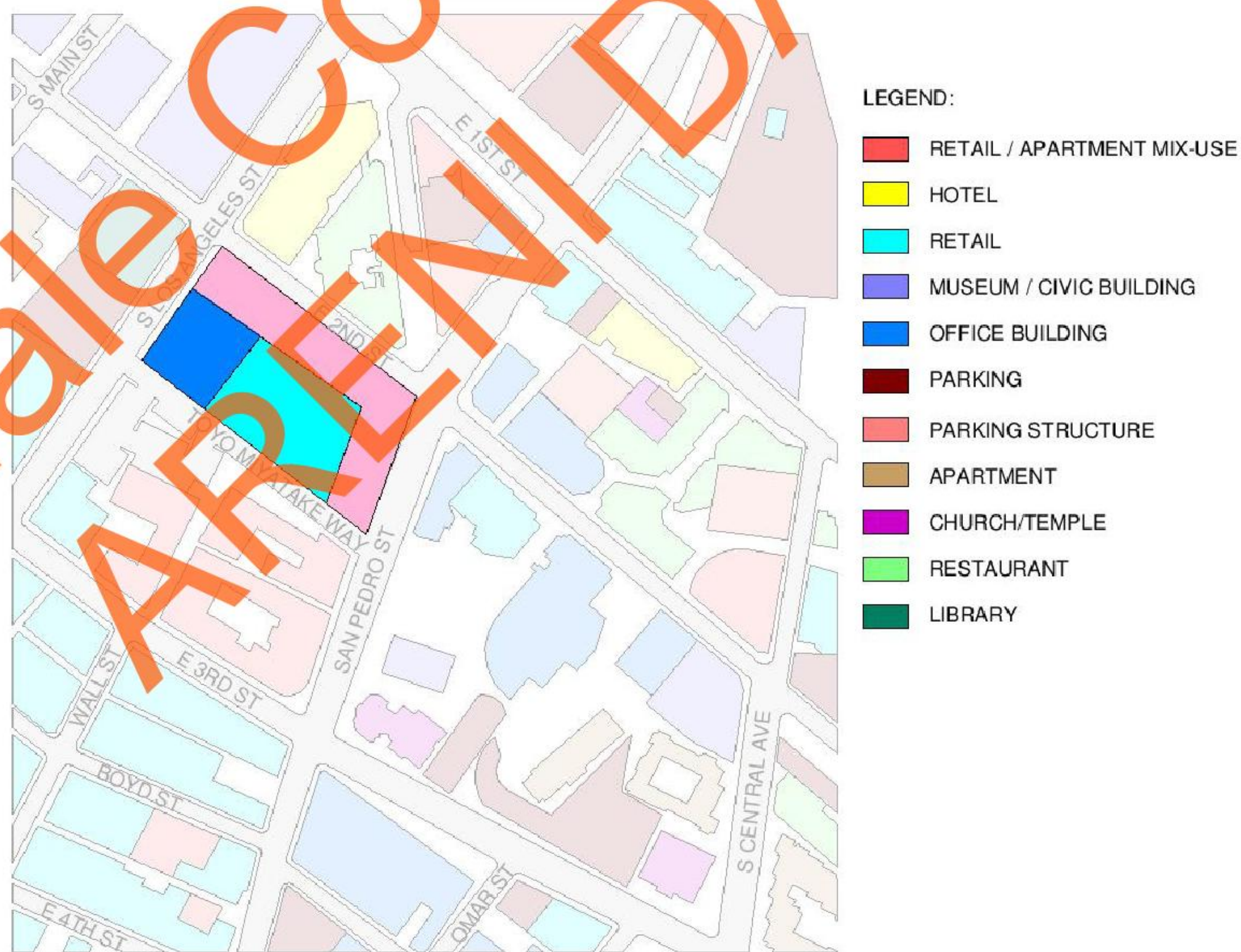
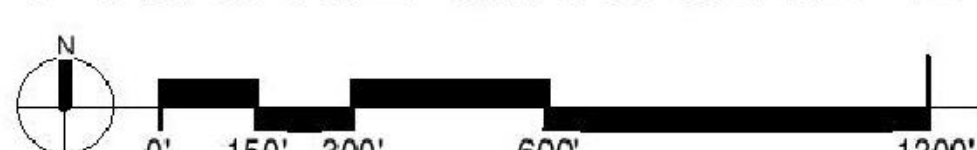
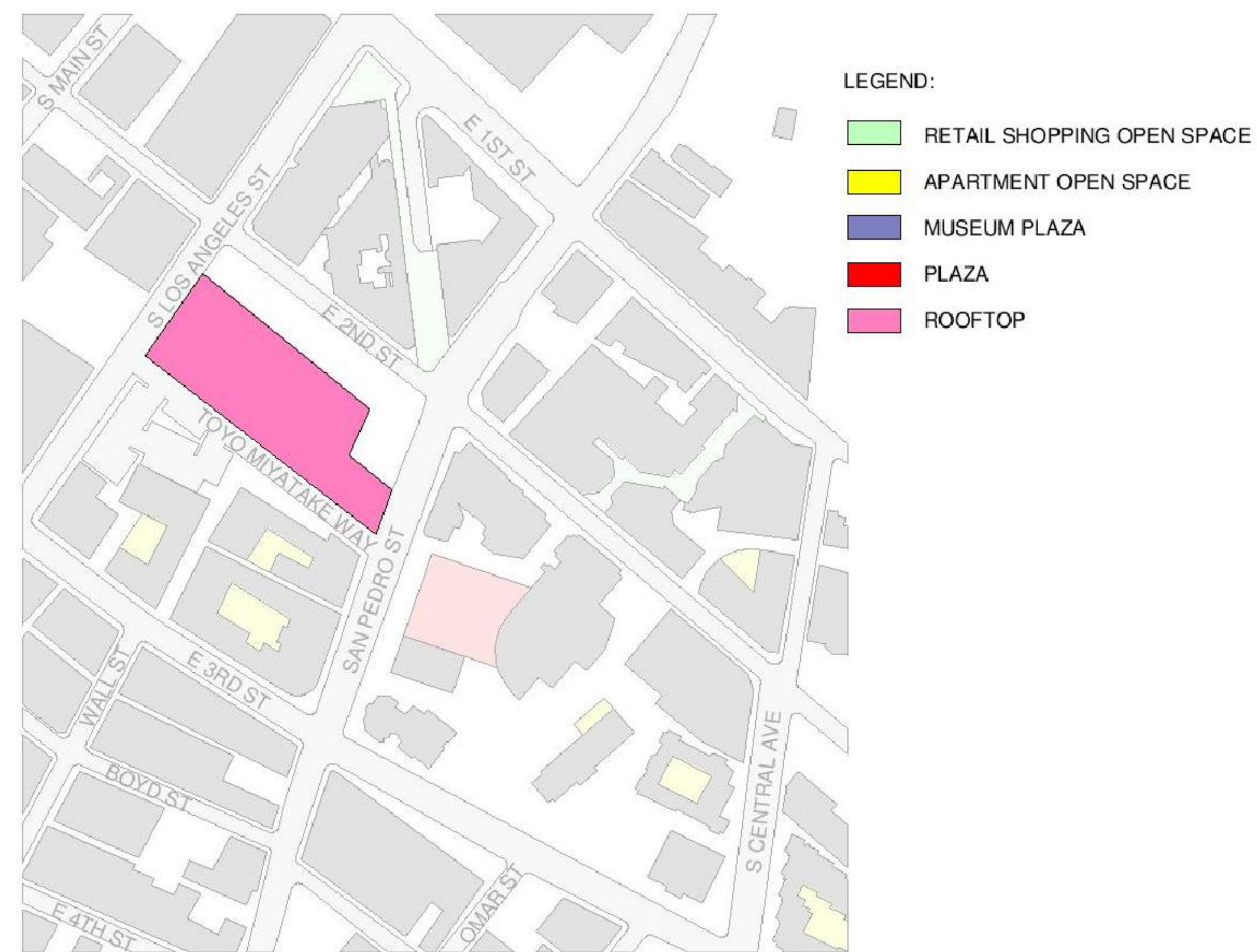
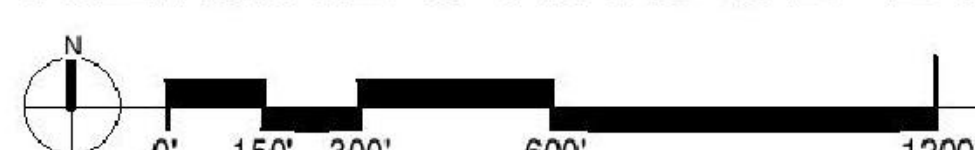


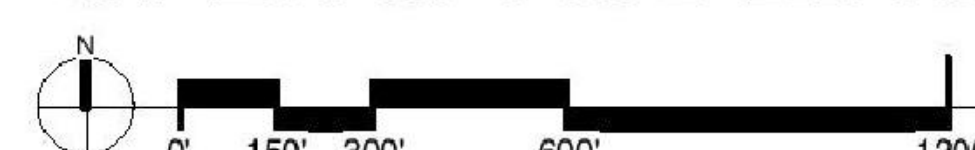
FIGURE GROUND DIAGRAM

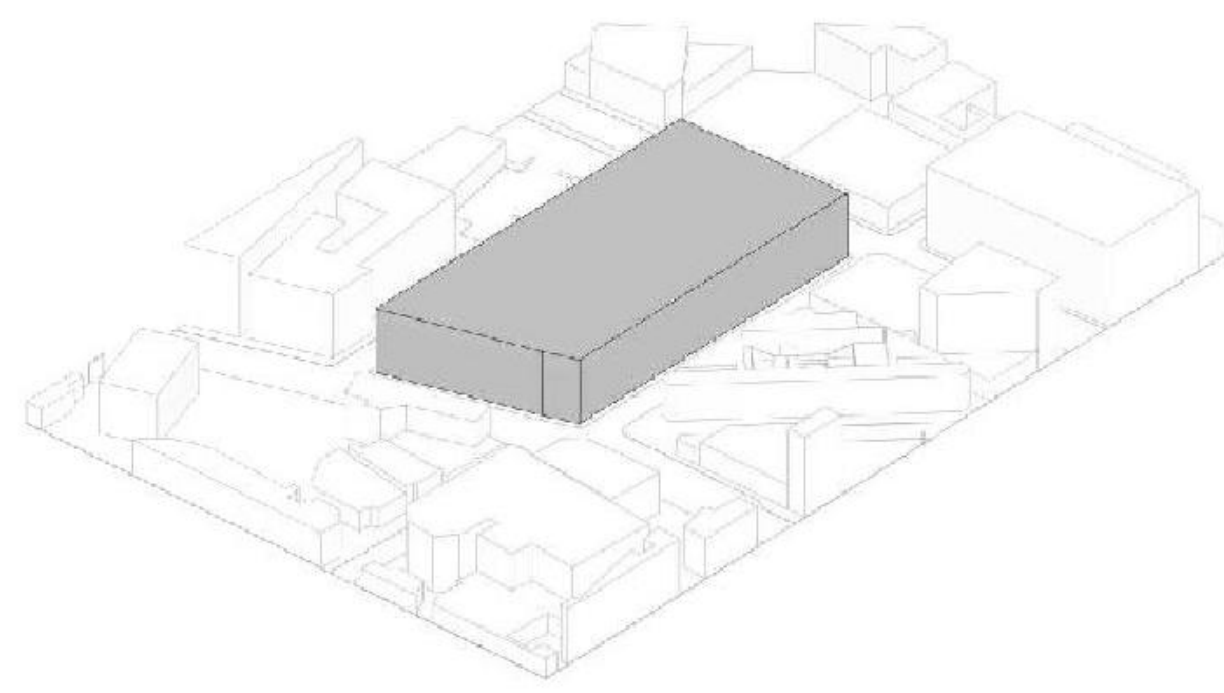


NEIGHBORHOOD DIAGRAM

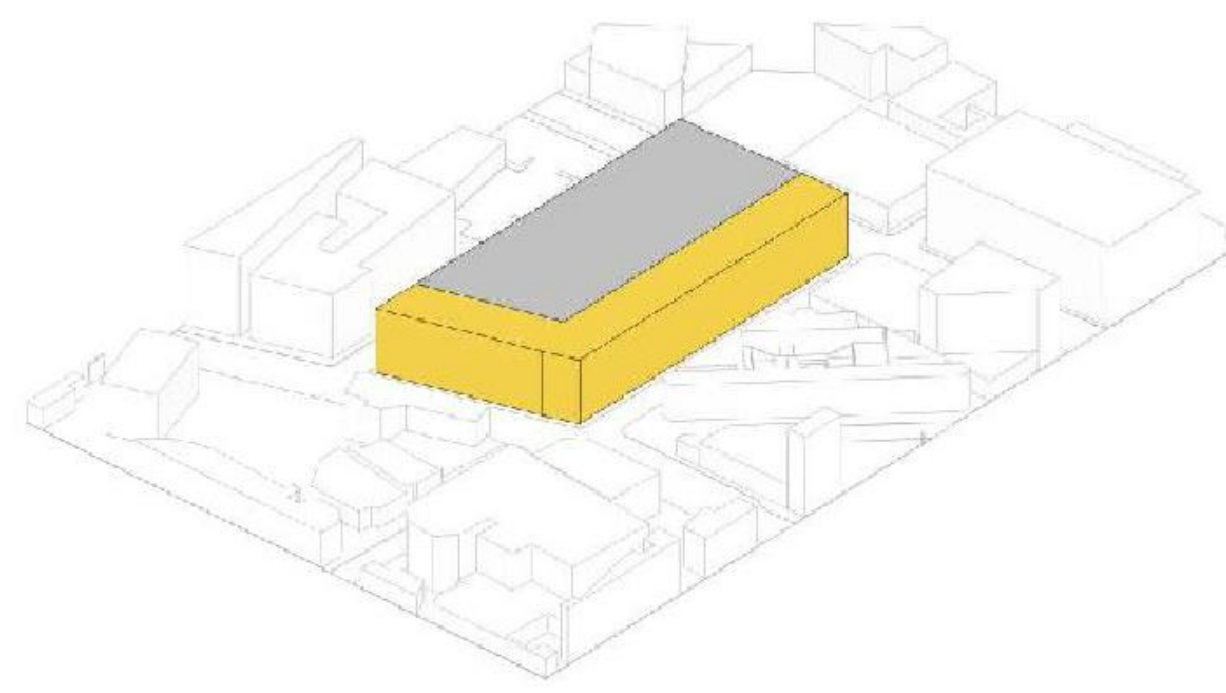


OPEN SPACE DIAGRAM

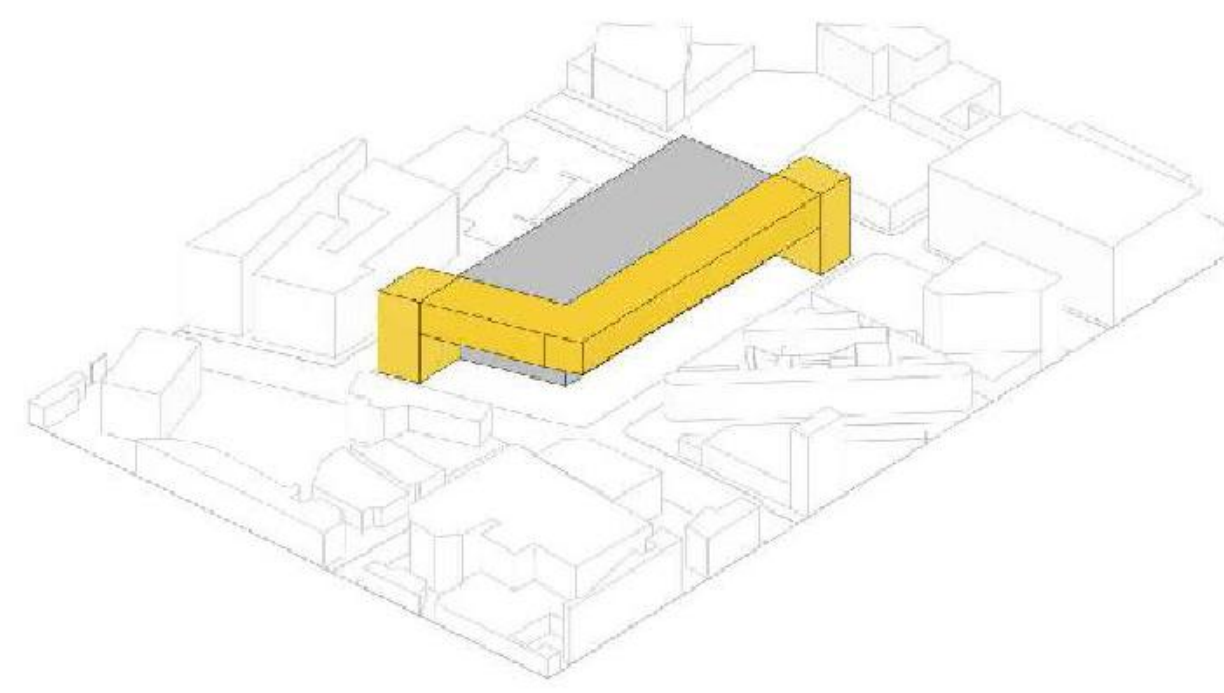




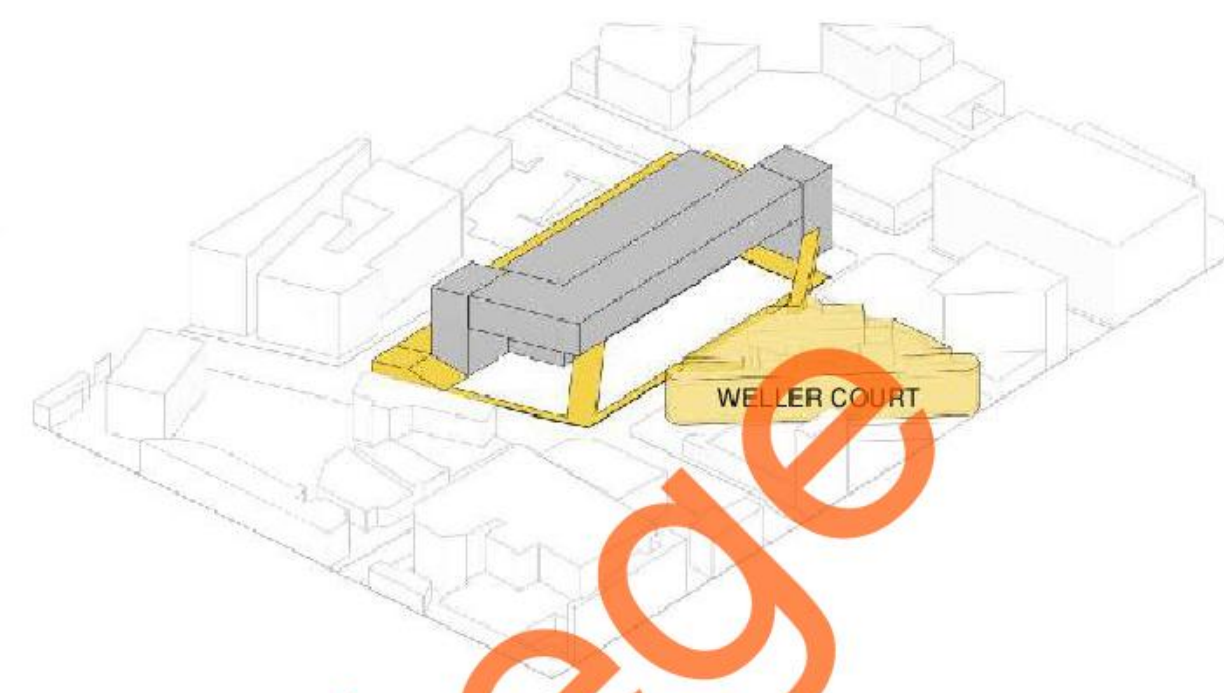
Original mass of building.



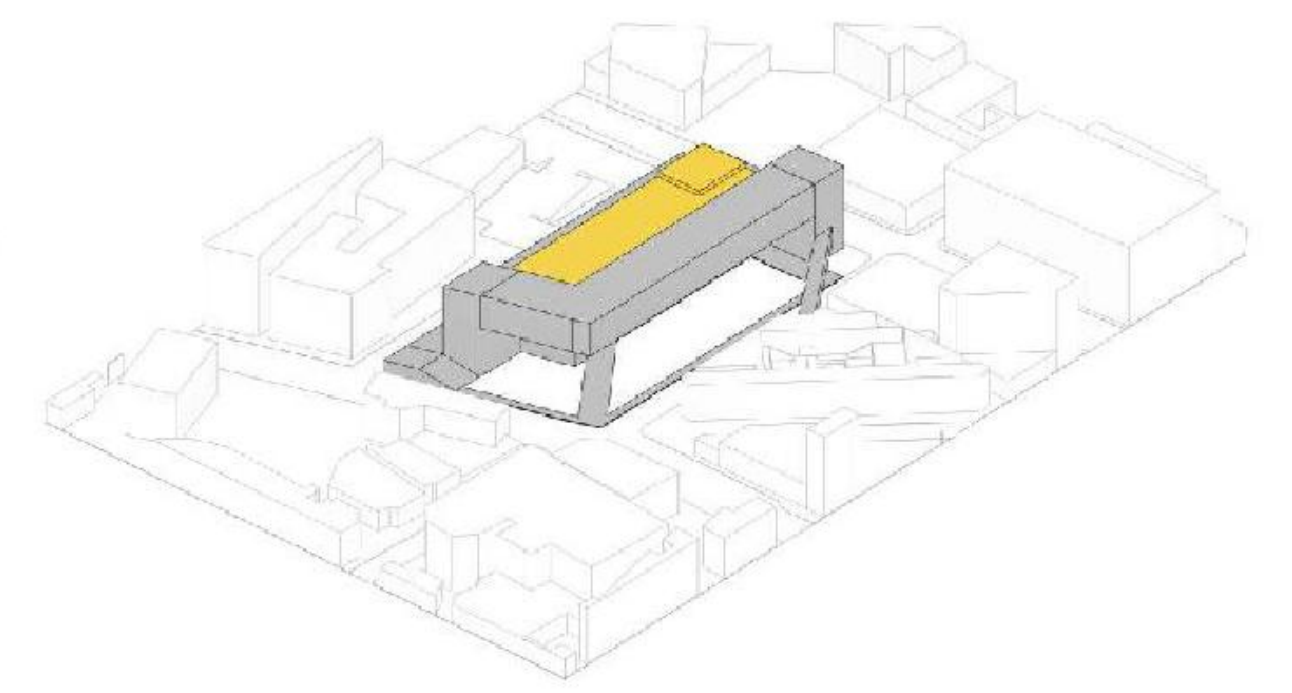
Designate public and private programs.



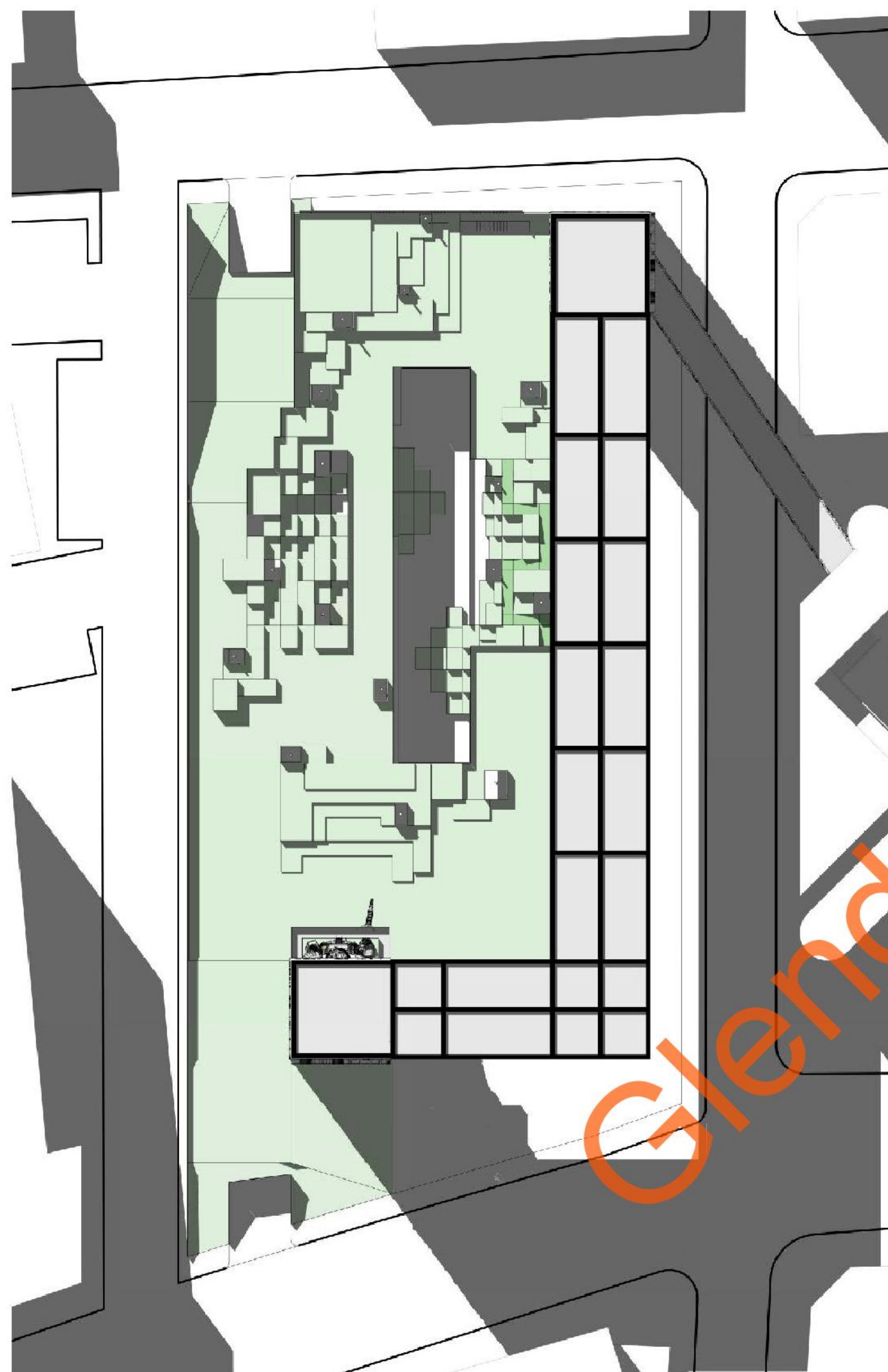
Lift units to frame the view of downtown Los Angeles.



Connect site with Weller Center and relate to all public spaces.



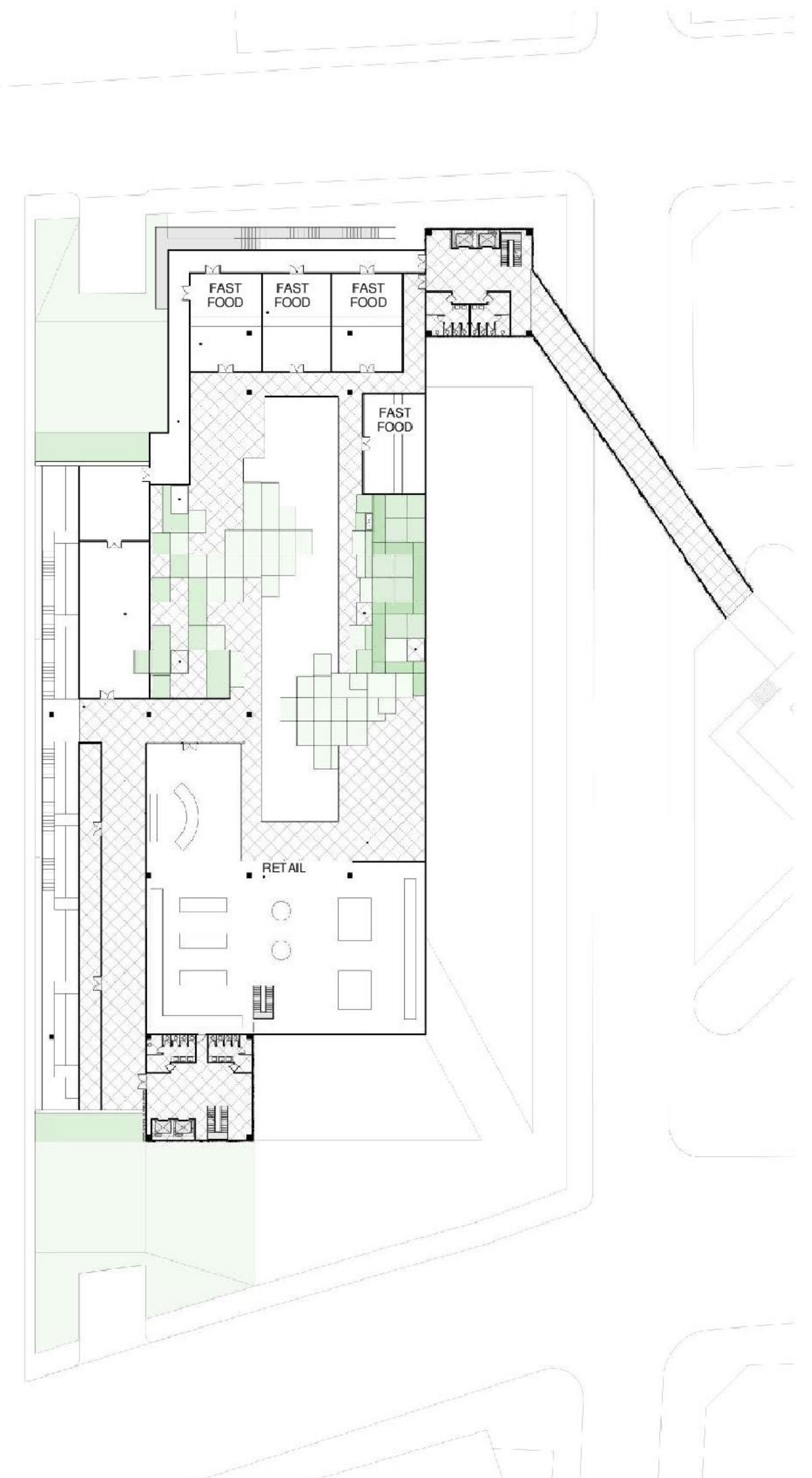
Introduce rooftop garden and performance area.



SITE

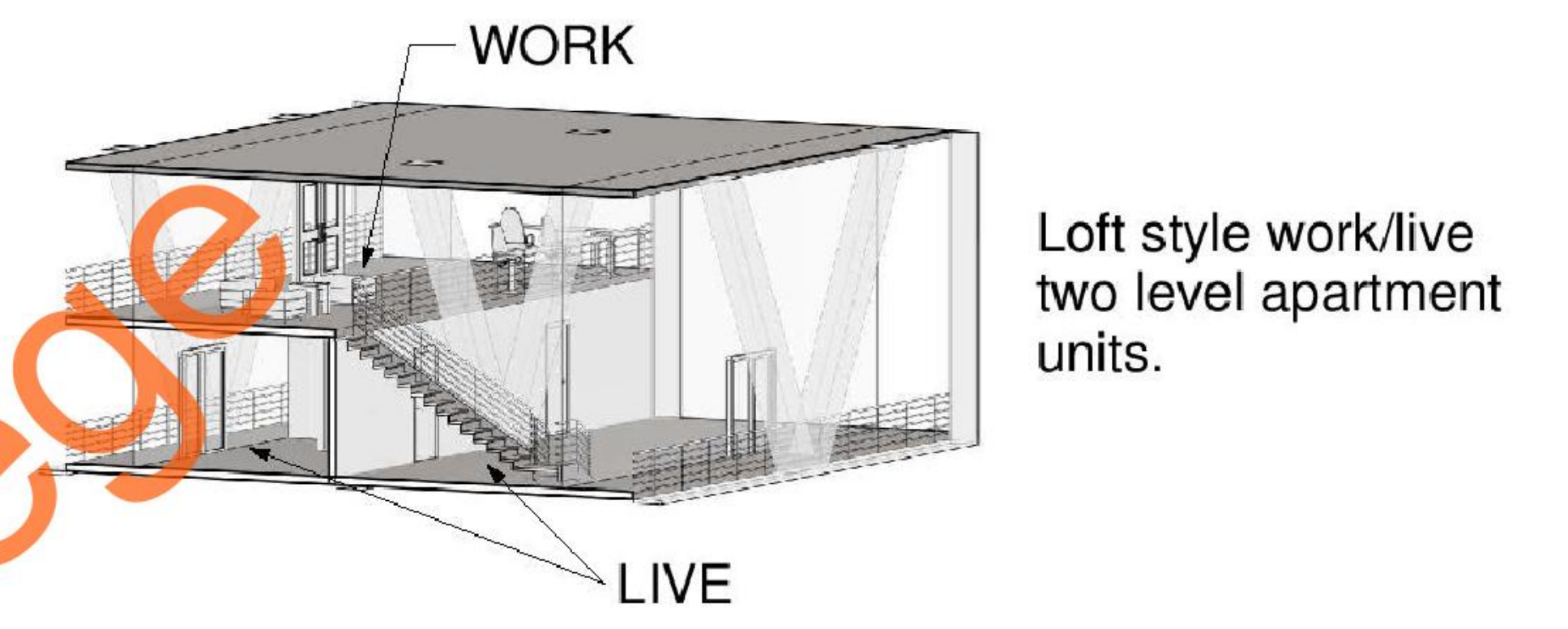
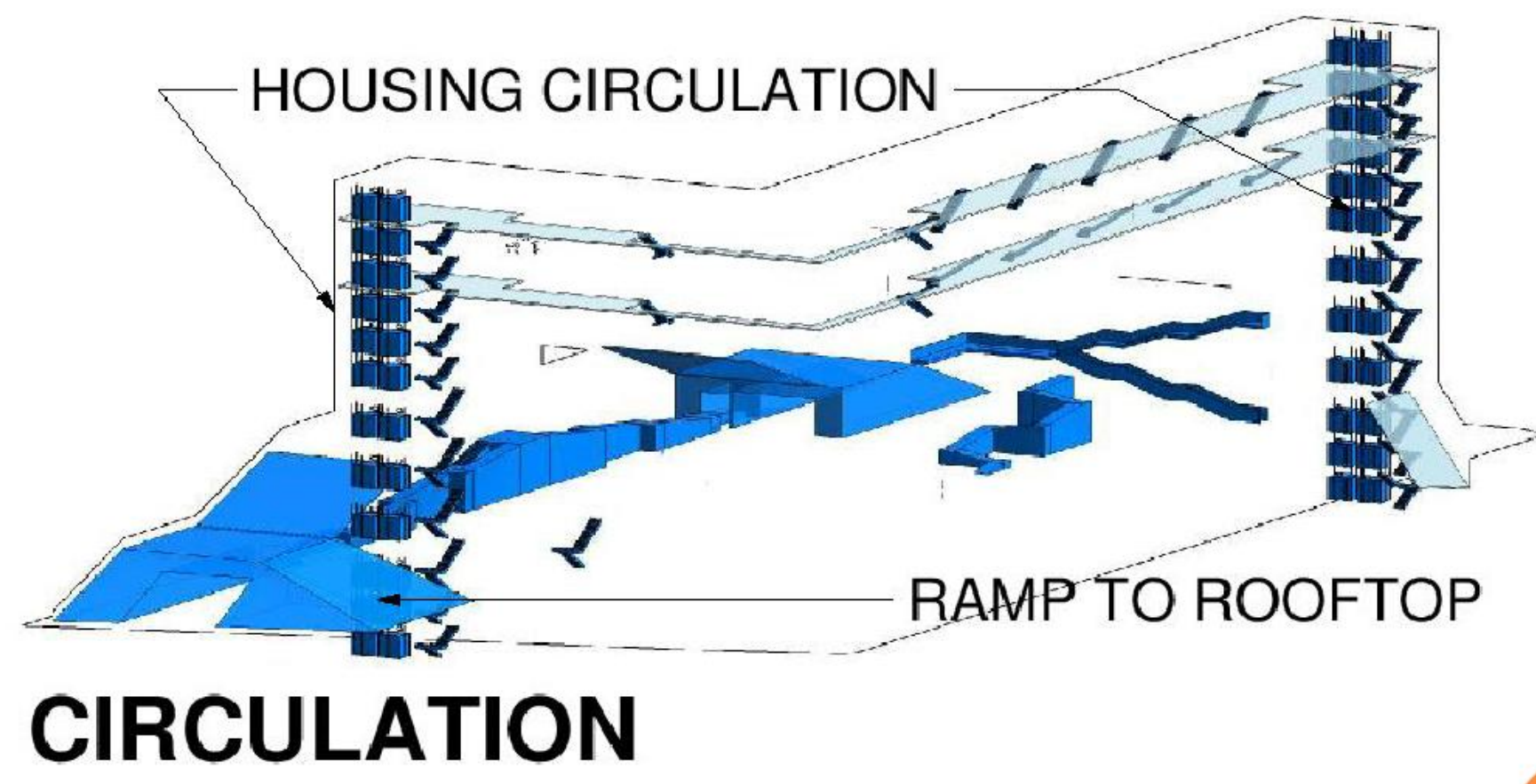
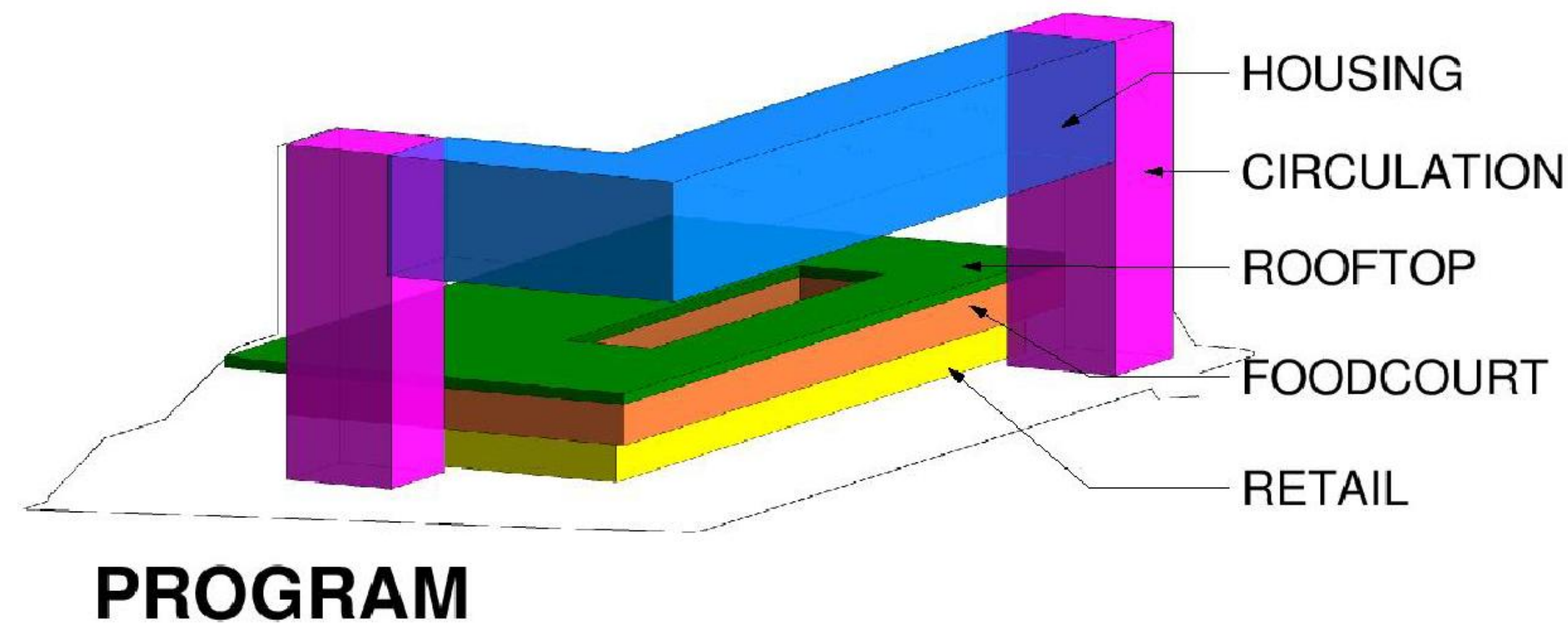


GROUND LEVEL



FOODCOURT LEVEL

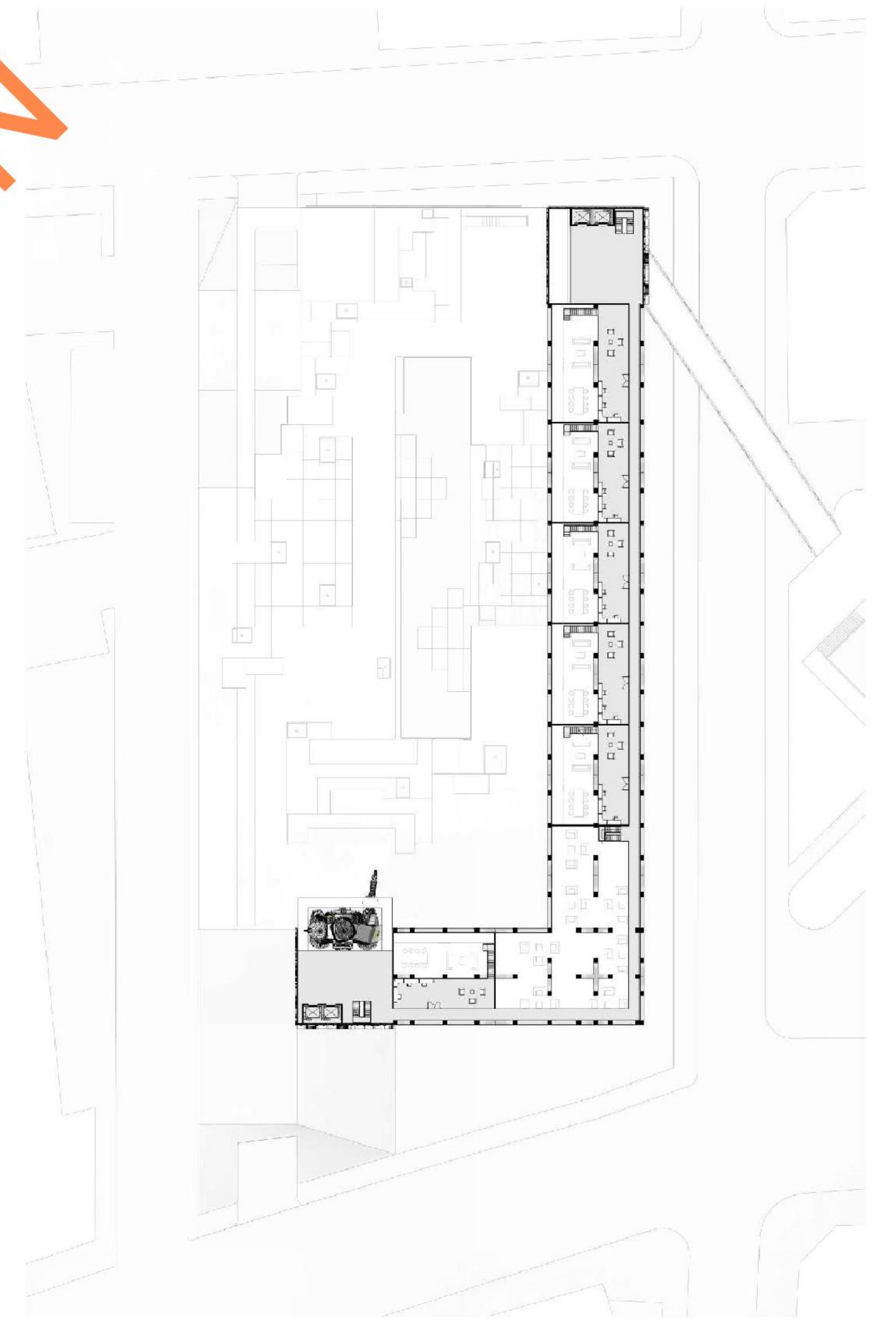
Glendale Community College
ARENDAVITYAN



ROOFTOP LEVEL

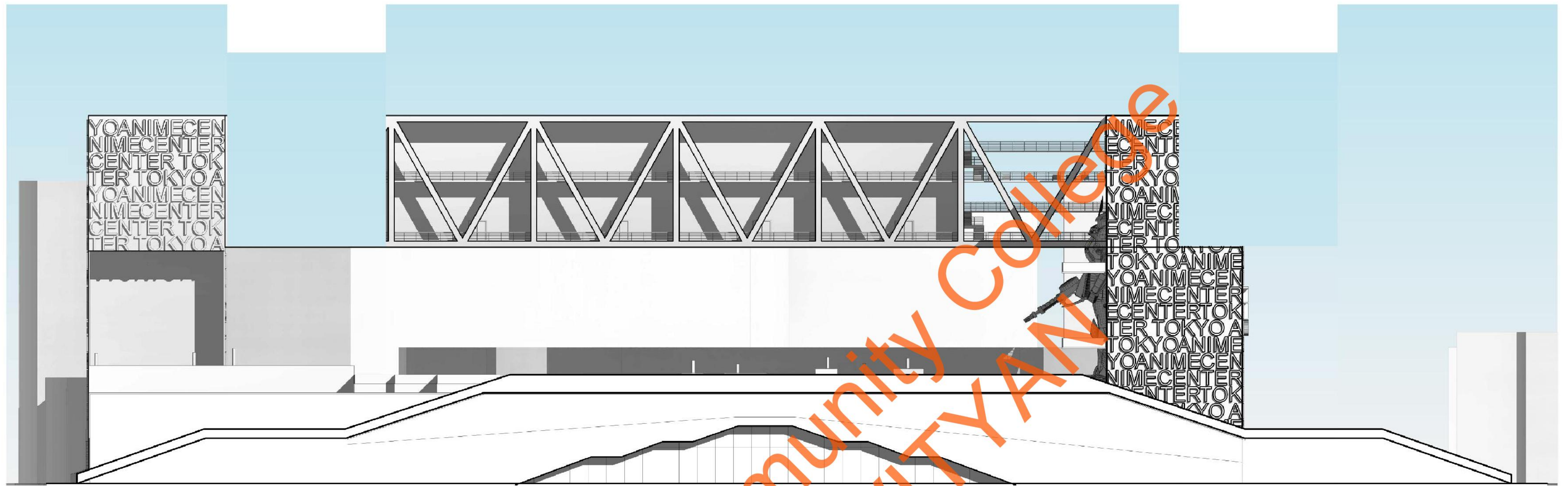


HOUSING LEVEL 1 & 3

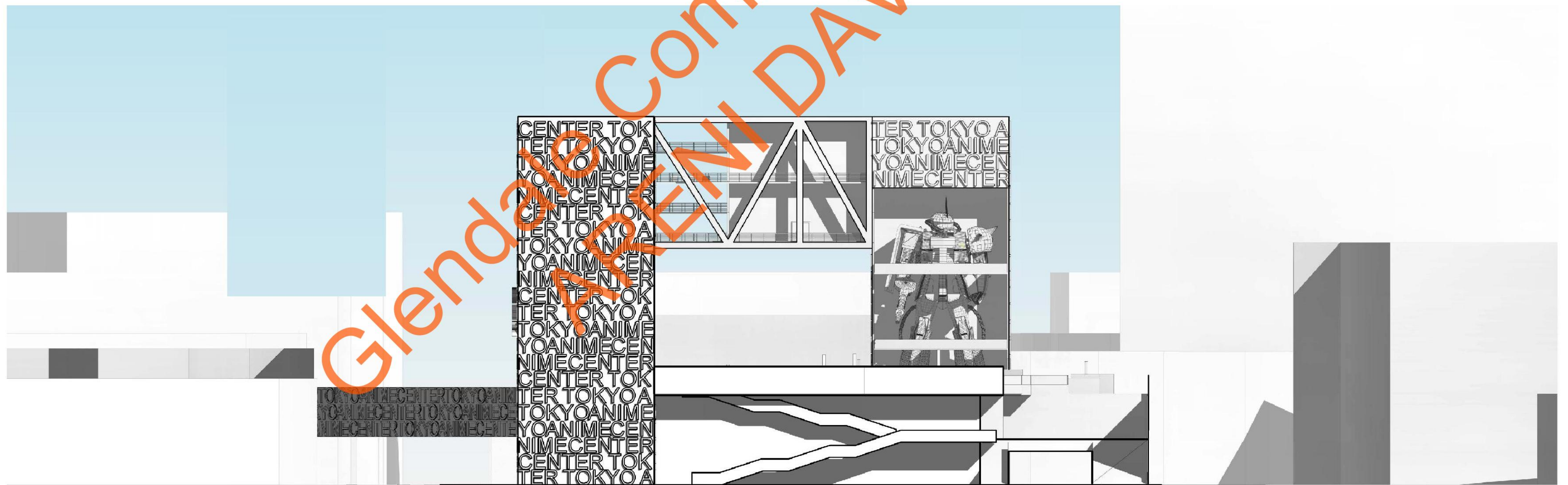
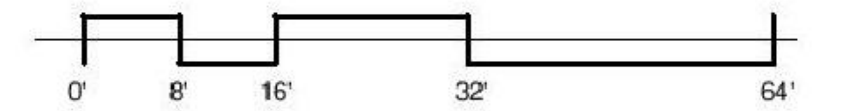


HOUSING LEVEL 2 & 4

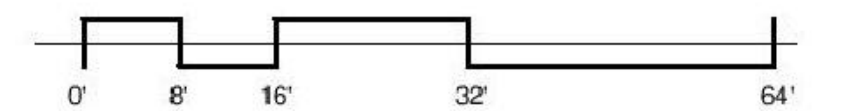
Glendale Community College
ARENI DAVITYAN



SOUTH ELEVATION

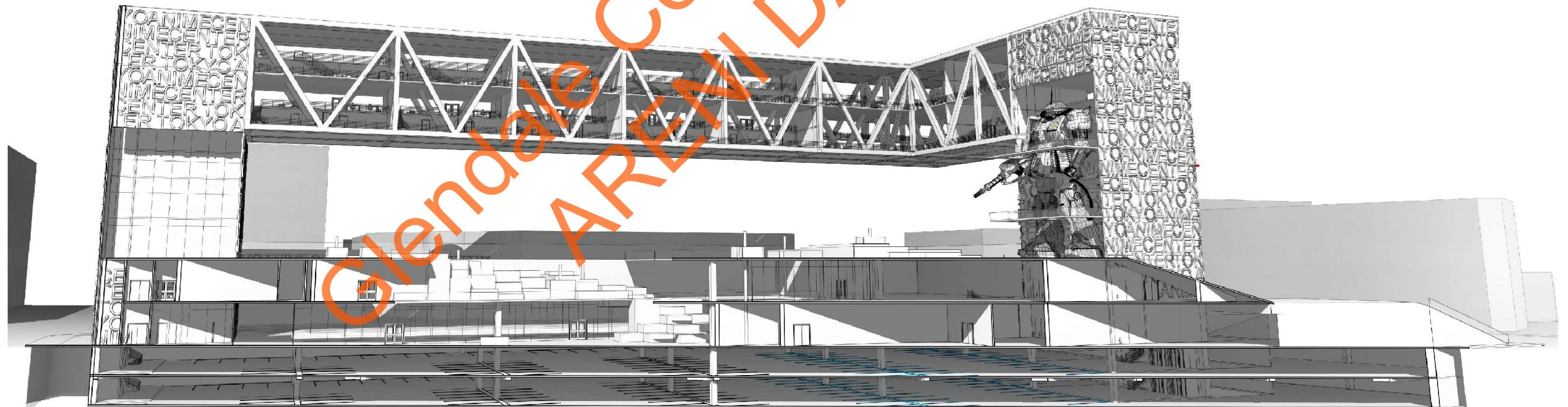


WEST ELEVATION





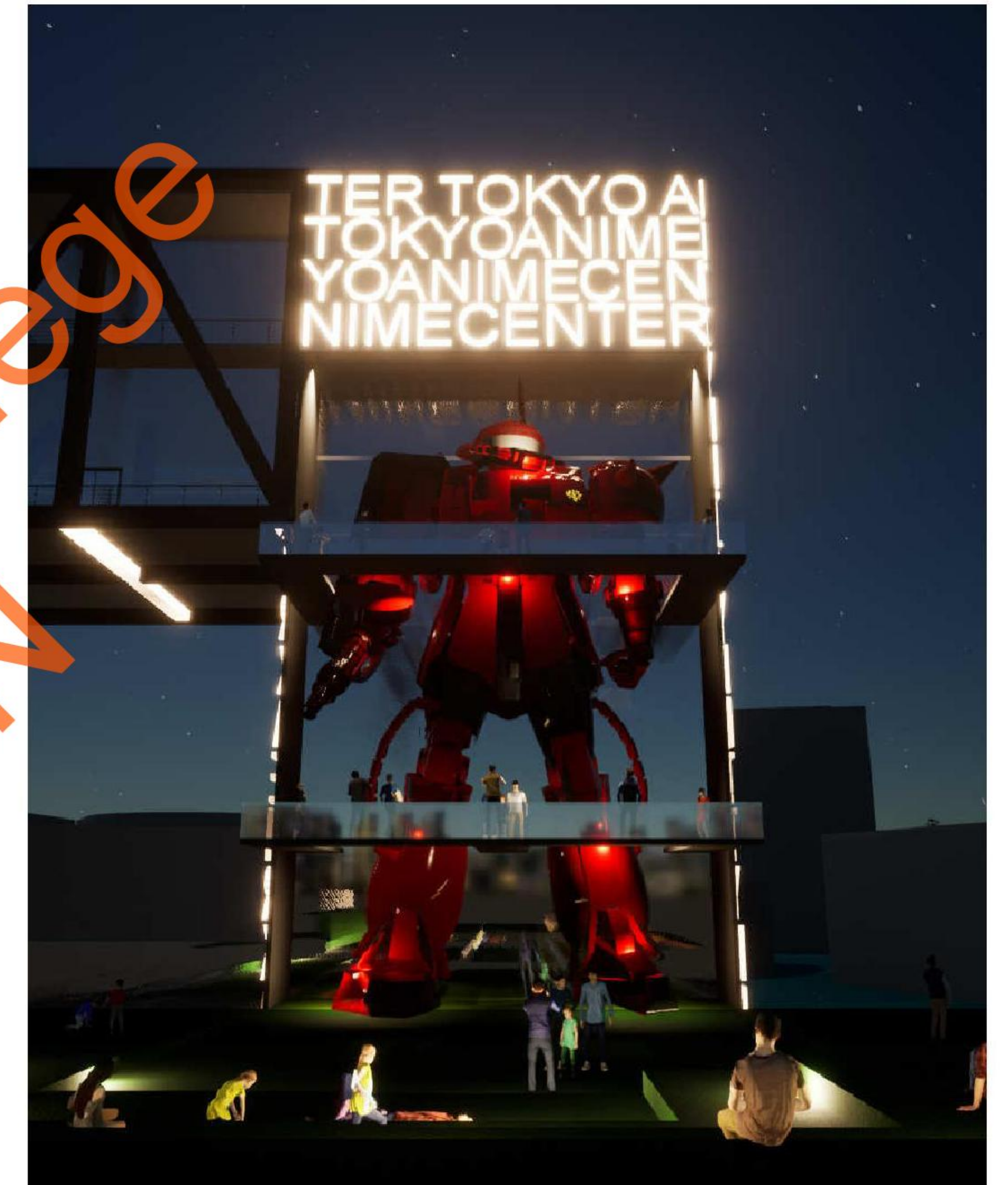
PERSPECTIVE TRANSVERSE SECTION



PERSPECTIVE LONGITUDINAL SECTION



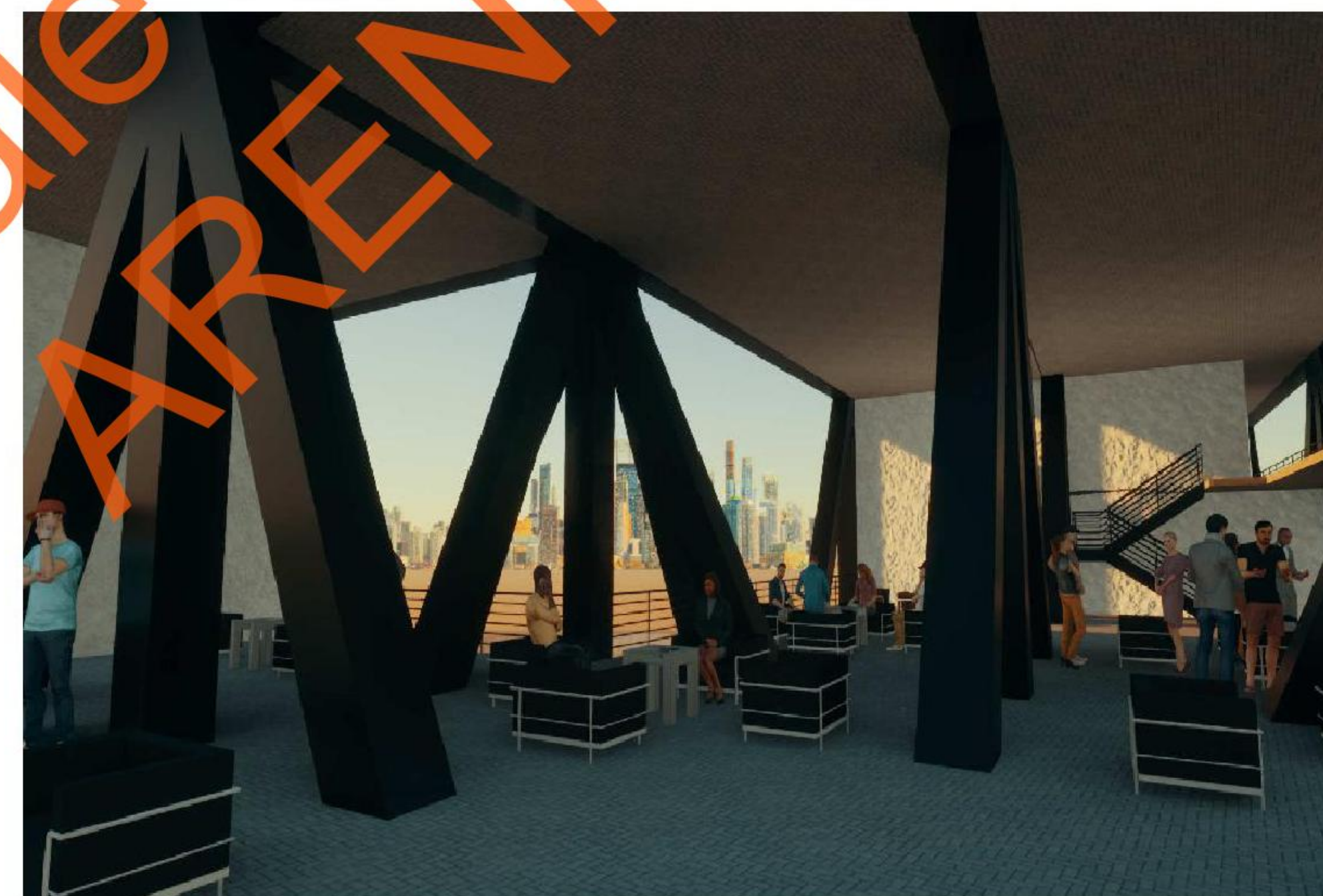
NIGHT SHOT FRAMING DOWNTOWN VIEW



JAPANESE GUNDAM STATUE



GROUND LEVEL INTERIOR



RESIDENTS' LOUNGE



ANIME VIEWING SCREEN

THANK YOU

Glendale Community College
ARENI DAVITYAN

