

GLENDALE COMMUNITY COLLEGE 2013-2015



Randy Scovill
Glendale Community College, GA

RANDY SCOVILL

DESIGN PORTFOLIO

RESUME

EDUCATION

GLENDALE COMMUNITY COLLEGE 2013-2015

SKILLS

REVIT

MAC & PC

3DS MAX

3D PRINTING

AUTOCAD

LASER CUTTER

PHOTOSHOP

EXPERIENCE

AUTOMATIC FIRE SPRINKLER SYSTEM

DESIGNER / PROJECT MANAGER

Randy Scovill
Glendale Community College, CA

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CASE STUDY HOUSE

SHENZHEN VILLA #2 - SHENZHEN, CHINA

3-8

MIXED USE DESIGN PROJECT

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LITTLE TOKYO SENIOR HOUSING - LITTLE TOKYO,
LOS ANGELES, CA

9-18

CONCEPTUAL - ADVANED REVIT TO 3D PRINTING

OBLIVION SKY TOWER

19-20



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PROJECT DESCRIPTION:

- THE PROJECT IS LOCATED IN SHENZHEN, CHINA.
- THE HOUSE IS SITUATED ON A STEEP HILLSIDE & APPROACHED FROM THE NORTH

DESIGN INTENT:

- MAIN FOCUS OF DESIGN MAXIMIZING PRIVACY & VIEWS.
- HOUSE IS DESIGNED TO FRAME THE MAIN VIEW TOWARDS THE SOUTH FACING THE OCEAN (SHENZHEN BAY).
- ALL THE BEDROOMS ARE ON THE 3RD LEVEL FOR MAXIMUM PRIVACY



SITE PLAN



ROOM LEGEND:

1. GARAGE
2. STORAGE
3. THEATRE
4. DINING
5. GUEST RESTROOM
6. KITCHEN
7. BAR
8. SEATING AREA
9. ELEVATOR
10. BEDROOM
11. BATHROOM
12. MASTER BEDROOM
13. MASTER BATHROOM
14. MASTER CLOSET
15. ROOF TOP GARDEN
16. MULTI-PURPOSE ROOM
17. GAME ROOM
18. LOUNGE
19. BALCONY

KNOWLEDGE GAINED:

RESEARCHING AND RECREATING THIS PROJECT HAS TAUGHT ME LE CORBUSIER'S 5 POINTS OF ARCHITECTURE AND HOW TO SUCCESSFULLY EXECUTE THEM.

POINT 1 PILOTIS:

THE USE OF REINFORCED CONCRETE COLUMNS TO ELIMINATE THE NEED FOR SUPPORT WALLS.

POINT 2 FREE PLAN:

USING THE PILOTIS SYSTEM ALLOWS FOR UNRESTRAINED WALL PLACEMENT THROUGHOUT THE ENTIRE PROJECT.

POINT 3 FREE FACADE:

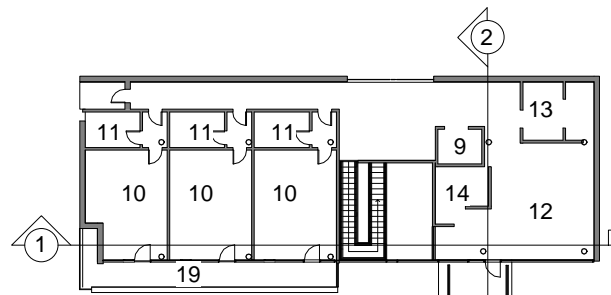
THE PILOTIS SYSTEM ALSO ALLOWS FOR THE FACADE TO BE RUN FREELY AROUND THE ENTIRETY OF THE HOUSE.

POINT 4 HORIZONTAL WINDOWS:

WITHOUT THE NEED OF SUPPORT WALLS HORIZONTAL WINDOWS OF ALMOST ANY SIZE CAN BE USED FOR THE FACADE.

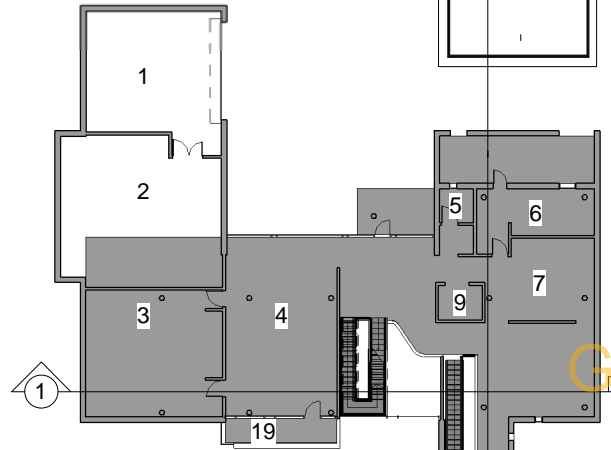
POINT 5 ROOF TOP GARDENS:

A ROOFTOP GARDEN IS USED AS A MEANS TO BRING NATURE TO THE HOUSEHOLD. THE ROOFTOP GARDENS ALSO TYPICALLY HAVE VIEWS OF THE ENTIRE SITE.



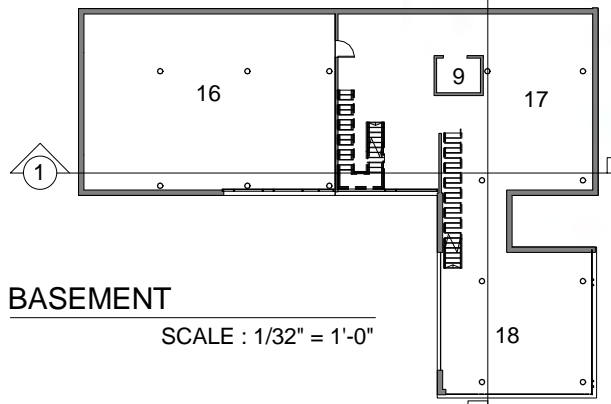
LEVEL 2

SCALE : 1/32" = 1'-0"



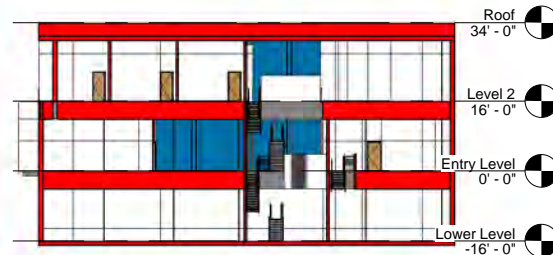
LEVEL 1

SCALE : 1/32" = 1'-0"



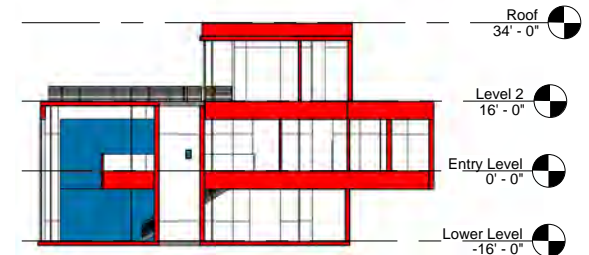
BASEMENT

SCALE : 1/32" = 1'-0"



SECTION 1

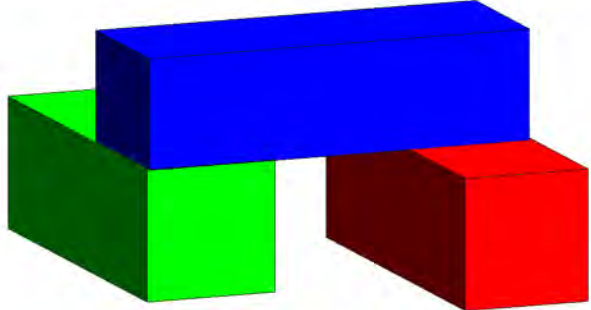
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SECTION 2

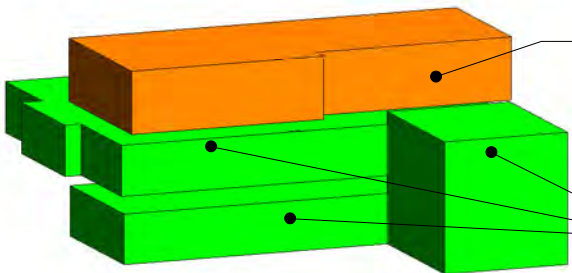
SCALE : 1" = 20'-0"

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PARTI DIAGRAM

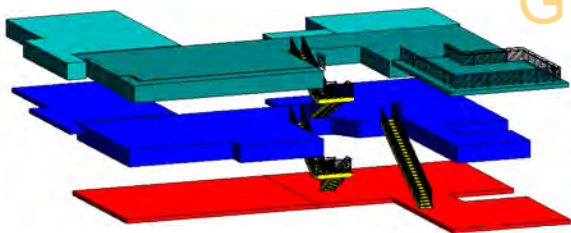
DESIGN CONCEPT: STACKING VOLUMES



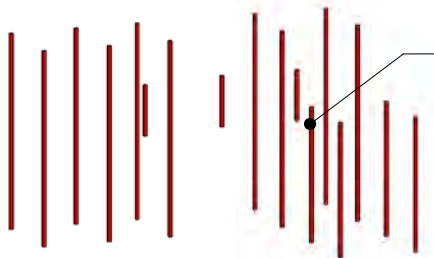
PROGRAM DIAGRAM

PRIVATE SPACE
-BEDROOMS

PUBLIC SPACE

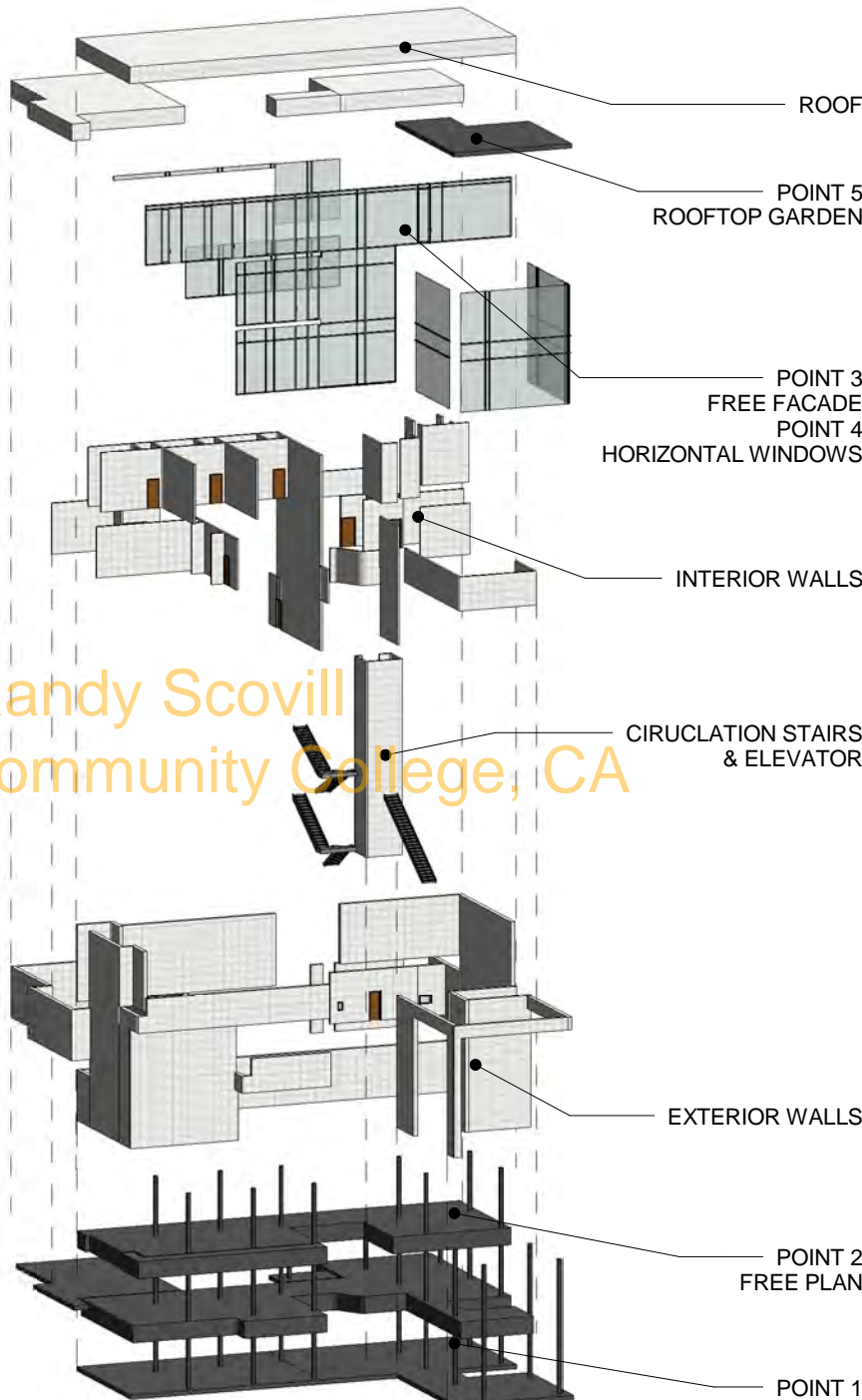


CIRCULATION DIAGRAM



STRUCTURE DIAGRAM

PILOTIS SYSTEM



ROOF

POINT 5
ROOFTOP GARDEN

POINT 3
FREE FACADE
POINT 4
HORIZONTAL WINDOWS

INTERIOR WALLS

CIRCUCLATION STAIRS
& ELEVATOR

EXTERIOR WALLS

POINT 2
FREE PLAN

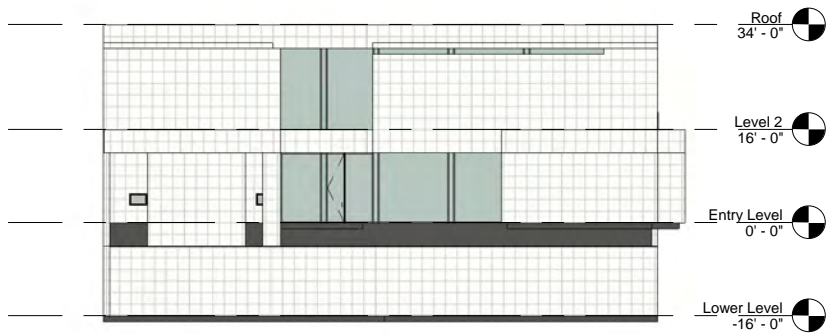
POINT 1
PILOTIS

EXPLODED VIEW DIAGRAM

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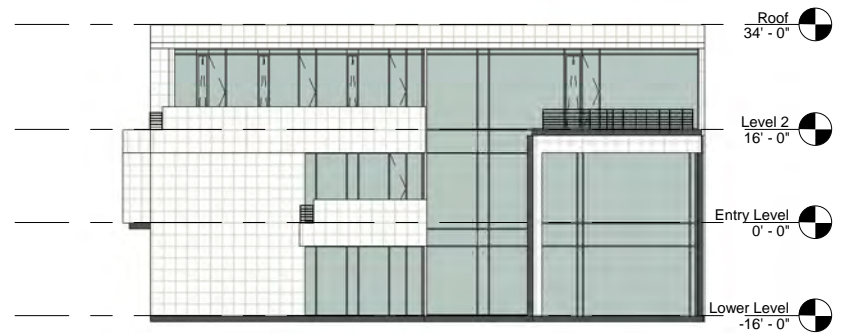


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SouthWest VIEW
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NORTH ELEVATION

SCALE : 1/32" = 1'-0"



SOUTH ELEVATION

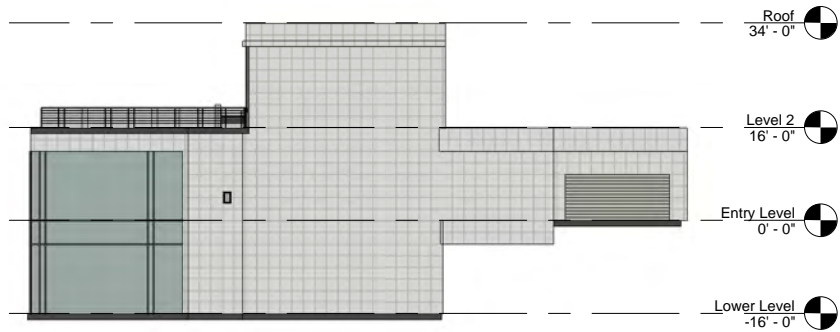
SCALE : 1/32" = 1'-0"



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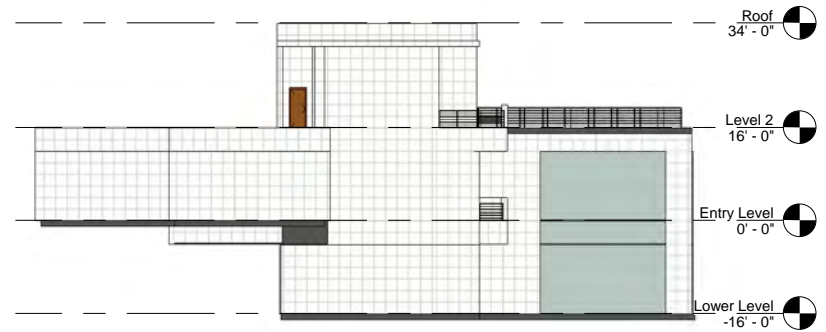
SouthEast VIEW

Glendale Community College, CA



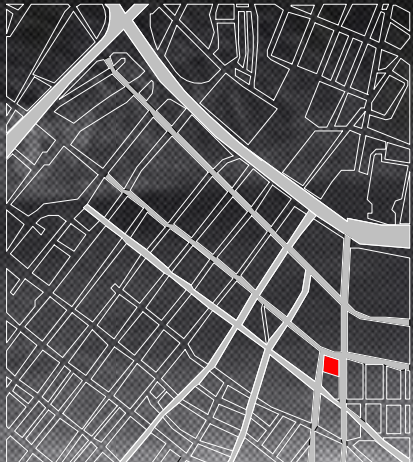
EAST ELEVATION

SCALE : 1/32" = 1'-0"



WEST ELEVATION

SCALE : 1/32" = 1'-0"



VICINITY MAP

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DESIGN STATEMENT

THE DESIGN CONCEPT IS TO EMBRACE THE NOTION OF SENIORS ARE CHAMPIONS IN LIFE. HENCE THE SENIOR HOUSING WILL BECOME THEIR CHAMPION RING.



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1/8" SCALE MODEL - NORTH VIEW

PROJECT REQUIREMENTS

LOT SIZE:	41,850 SQ. FT.
# OF REQUIRED UNITS:	53
# OF REQUIRED PARKING SPOTS:	84
MAXIMUM BUILDING HEIGHT:	75'-0"

FULLY ACCESSIBLE ADA RAMP
FROM LOWEST LEVEL TO UPPER
MOST LEVEL OF LIVING UNITS

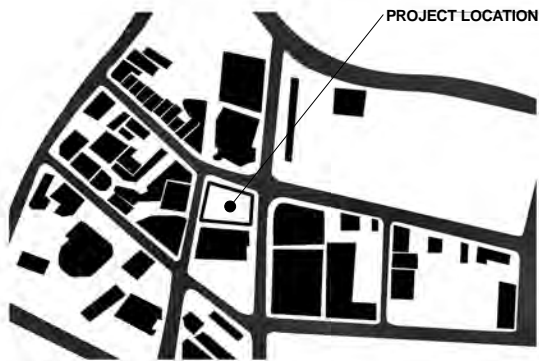
PROJECT DATA

- LOCATED IN LITTLE TOKYO, LOS ANGELES, CA
- EXISTING SITE IS A PARKING LOT WITH A RESTAURANT

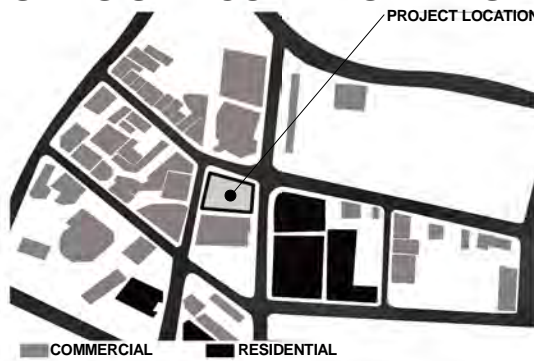
DESIGN OBJECTIVE

- DEMOLISH EXISTING SITE & ERECT NEW MIXED USE SENIOR HOUSING DEVELOPMENT

EXISTING SITE CONDITION DIAGRAMS



EXISTING FIGURE DIAGRAM

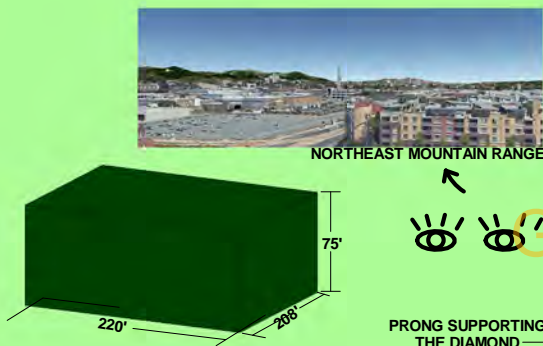


EXISTING NEIGHBORHOOD DIAGRAM

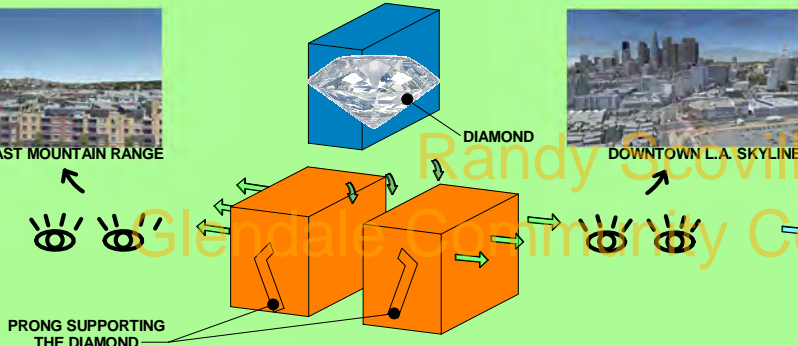


EXISTING VEHICLE ACCESS

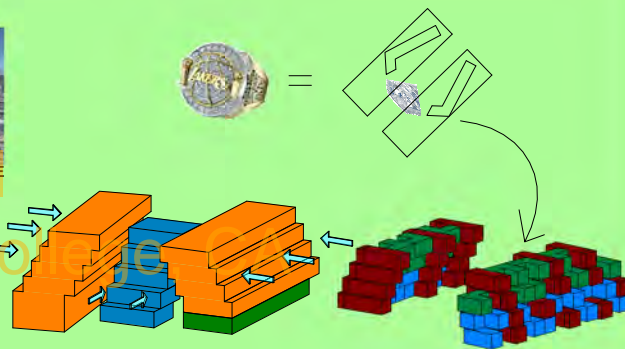
DESIGN APPROACHES : EMPHASIZE VIEWS & TERRACE PROGRAMS



VOLUME OF BUILDABLE AREA



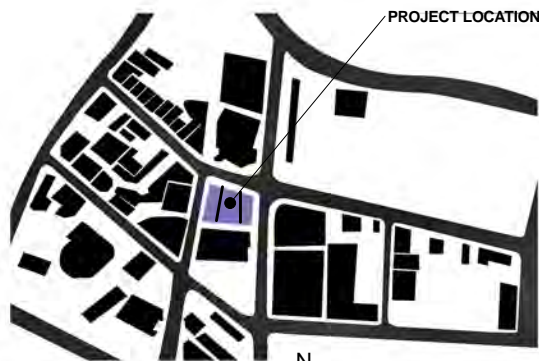
OVERALL VOLUME SPLIT INTO TWO SECTIONS BY METHOD OF PULLING APART TO EMPHASIZE VIEWS OF DOWNTOWN L.A. SKYLINE AND SURROUNDING MOUNTAINS.



THE 3 MASSES BEING PUSHED BACK AT DIFFERENT HEIGHTS TO CREATE A TERRACE EFFECT.

3D UNIT ARRANGEMENT

NEW SITE CONDITION DIAGRAMS



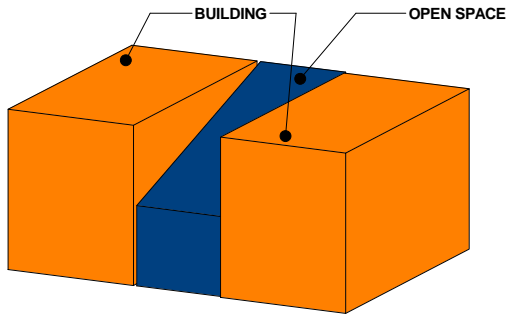
NEW FIGURE DIAGRAM



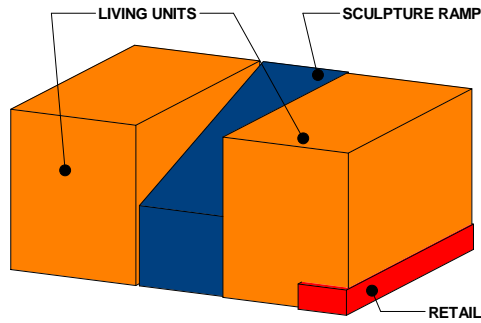
NEW NEIGHBORHOOD DIAGRAM



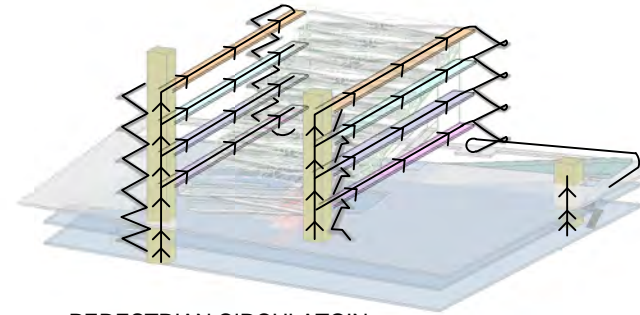
NEW VEHICLE ACCESS



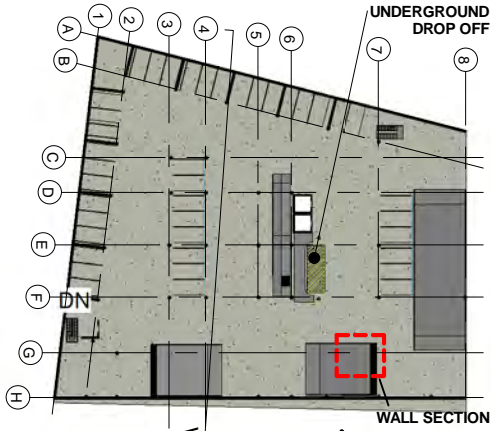
PARTI DIAGRAM



PROGRAM DIAGRAM

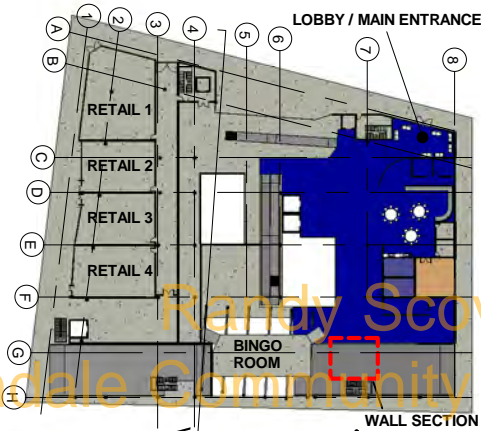


PEDESTRIAN CIRCULATION



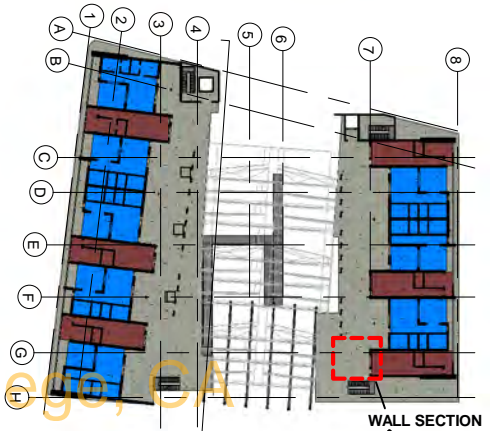
P1 UNDERGROUND PARKING

SCALE = 1" = 100'-0"



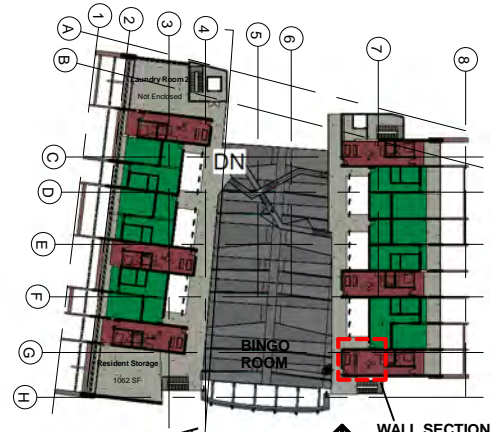
GROUND FLOOR PLAN

SCALE = 1" = 100'-0"



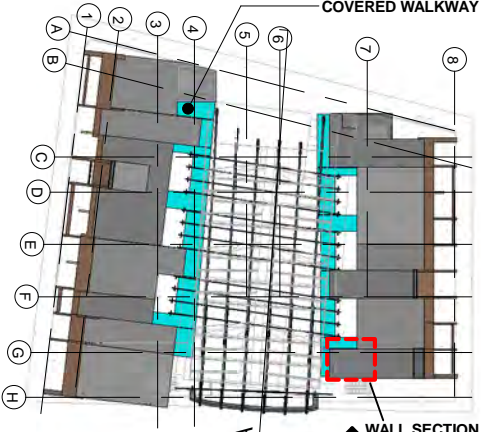
1ST FLOOR PLAN

SCALE = 1" = 100'-0"



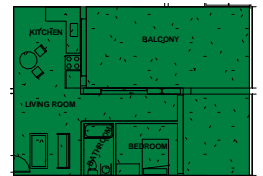
4TH FLOOR PLAN

SCALE = 1" = 100'-0"



ROOF PLAN

SCALE = 1" = 100'-0"



1 BEDROOM L SHAPE 625 SQ. FT.

SCALE = 1" = 30'-0"



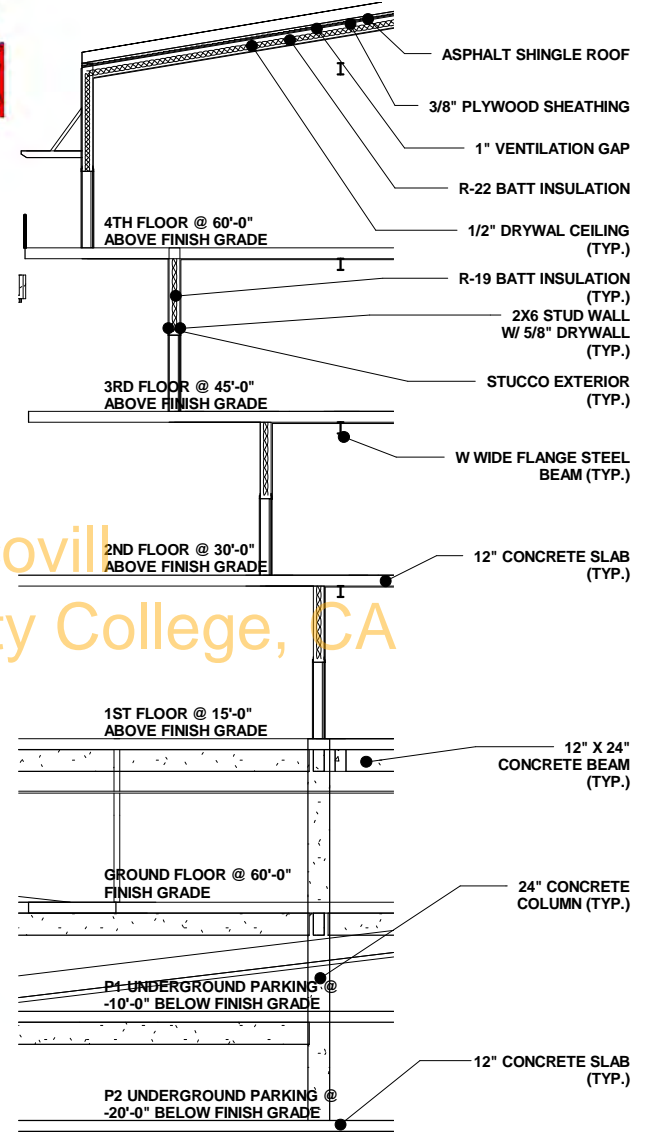
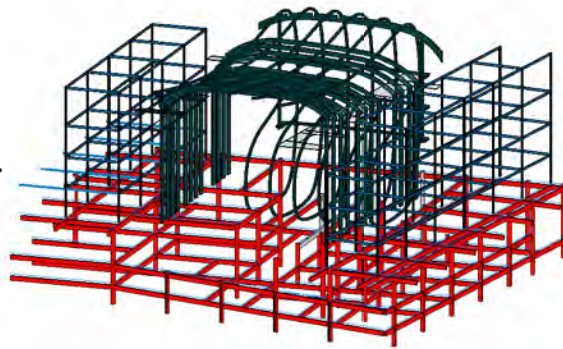
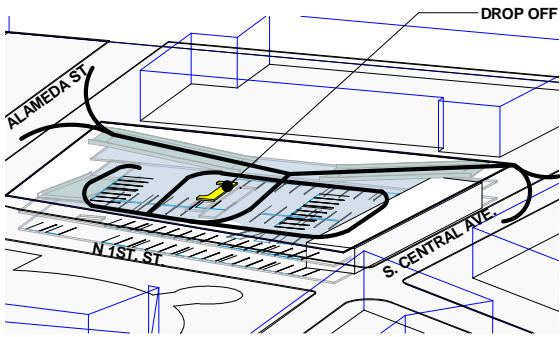
2 BEDROOM L SHAPE 725 SQ. FT.

SCALE = 1" = 30'-0"



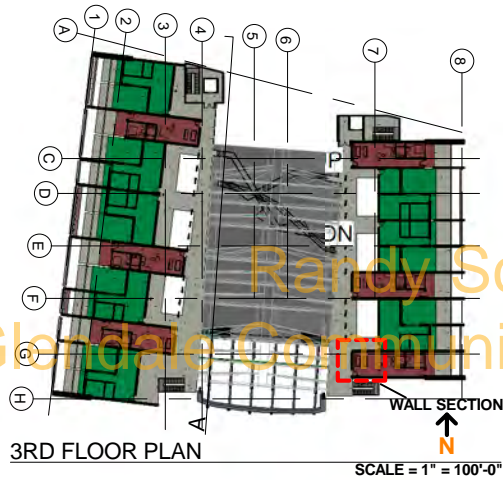
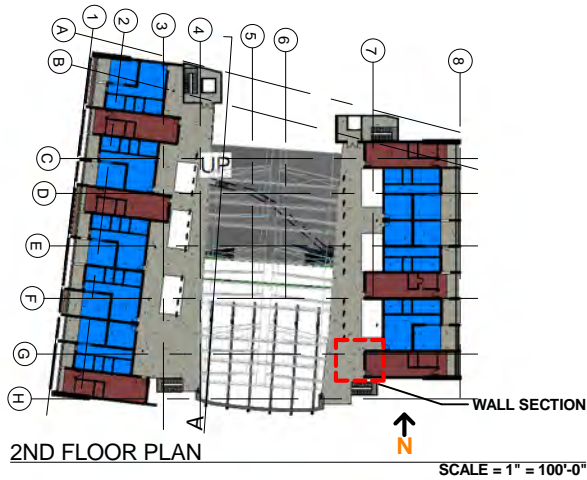
1 BEDROOM STRAIGHT 625 SQ. FT.

SCALE = 1" = 30'-0"



AUTO CIRCULATION

STRUCTURE DIAGRAM



JAPANESE GARDEN RAMP

BINGO ROOM



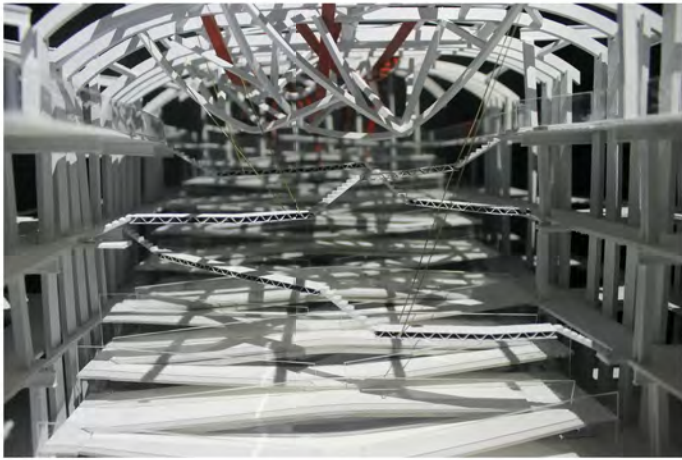
SECTION A

SCALE = 1" = 40'-0"

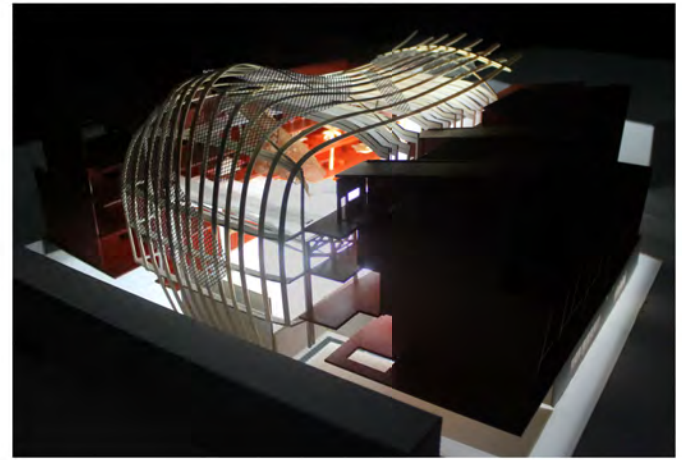
WALL SECTION

SCALE = 1/16" = 1'-0"

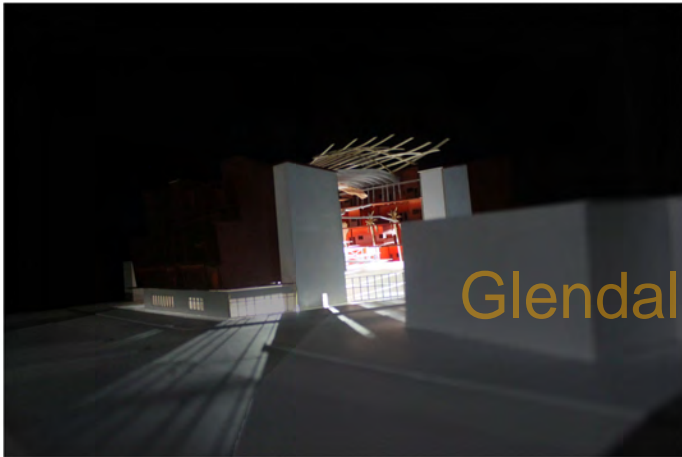
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1/8" SCALE SECTION MODEL VIEW OF OPEN SPACE



1/8" SCALE MODEL SOUTHEAST VIEW



1/8" SCALE MODEL NORTHEAST STREET VIEW

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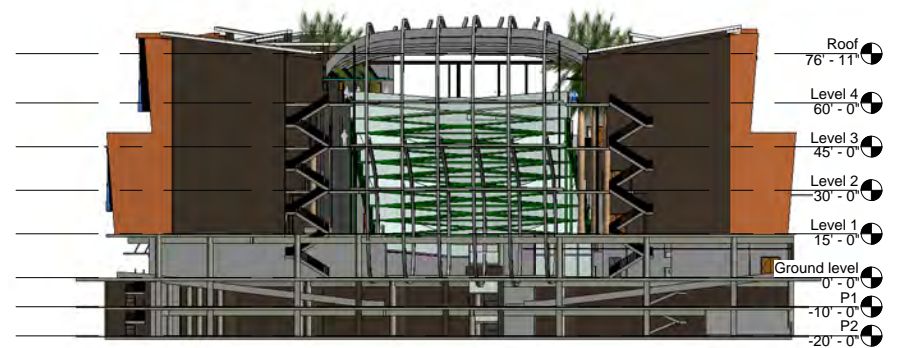


1/8" SCALE SECTION MODEL SOUTH VIEW



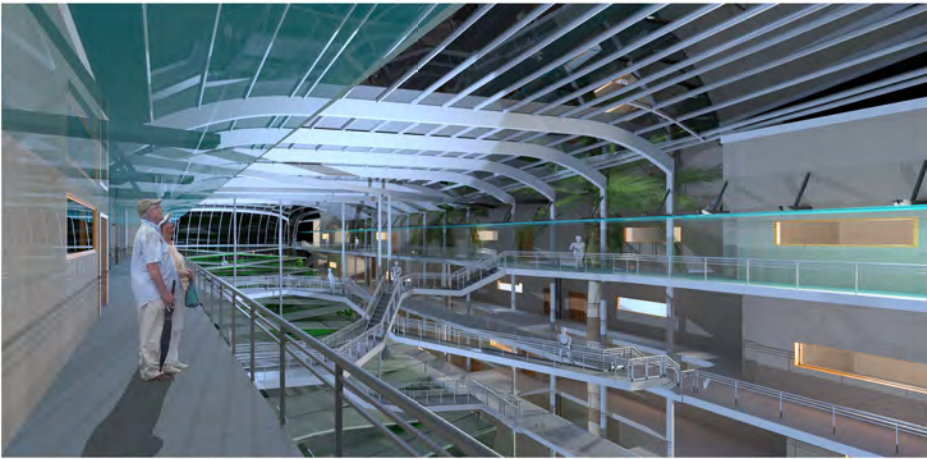
NORTH ELEVATION

SCALE = 1" = 60'-0"

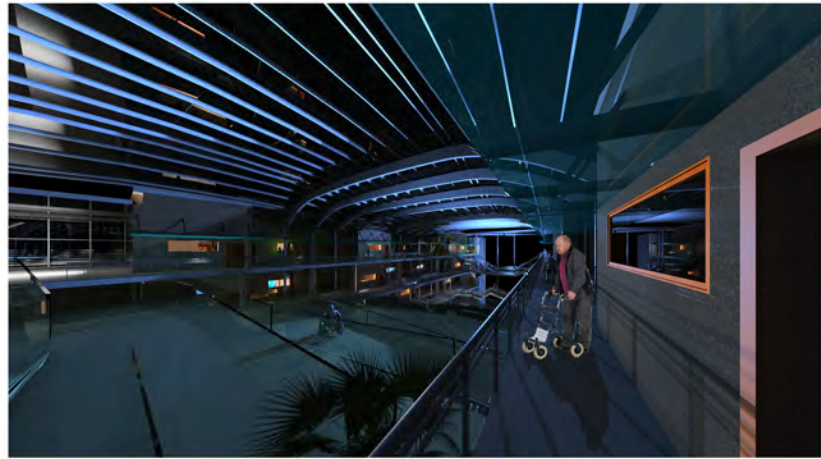


SOUTH ELEVATION

SCALE = 1" = 60'-0"



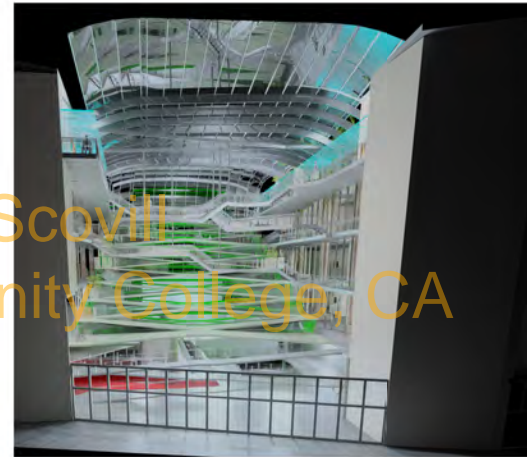
NIGHT SHOT INTERIOR RENDERING



NIGHT SHOT INTERIOR RENDERING



DAY SHOT INTERIOR RENDERING



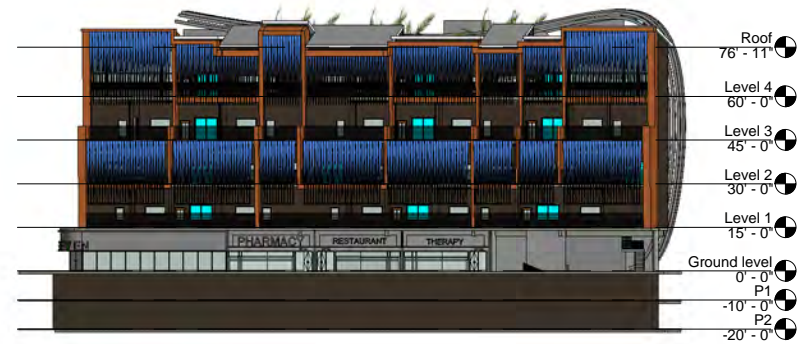
NIGHT SHOT NORTH ELEVATION VIEW

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EAST ELEVATION

SCALE = 1" = 60'-0"



WEST ELEVATION

SCALE = 1" = 60'-0"



ORIGINAL HOUSE FROM MOVIE
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RENDERING OF RECREATION USING REVIT



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Glendale Community College, CA

THANK YOU FOR REVIEWING MY PORTFOLIO