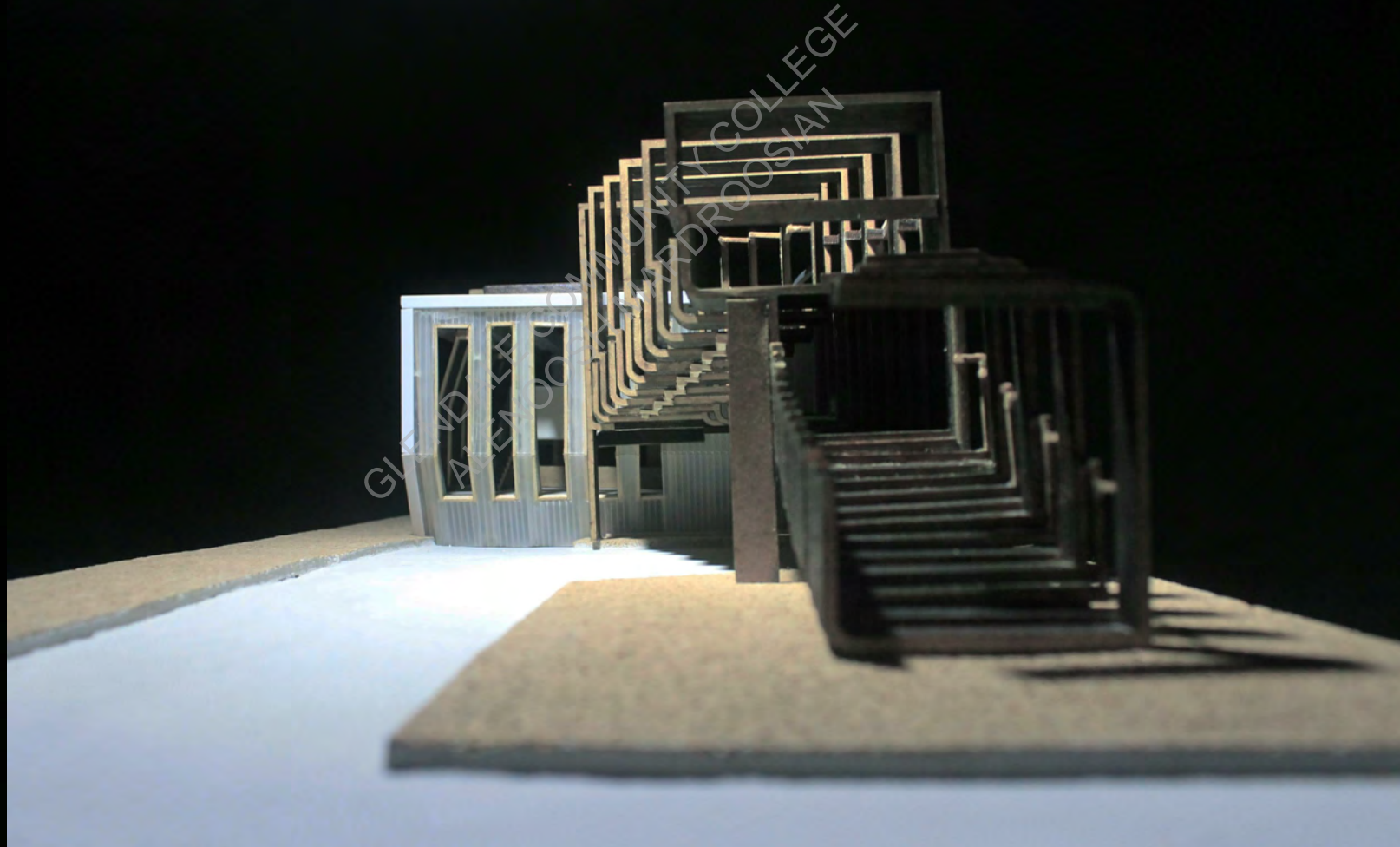


**ALENOOSH MARDROOSIAN
GLENDALE COMMUNITY COLLEGE
SPRING 2018**

**ARCHITECTURAL
PORTFOLIO**



EDUCATION

- **GLENDALE COMMUNITY COLLEGE**

ASSOCIATE IN SCIENCE DEGREE

SPRING 2018

DRAFTING AND DESIGN CERTIFICATE

SPRING 2018

SKILLS

AUTODESK REVIT

SKETCHUP

MODEL MAKING

AUTODESK AUTOCAD

ADOBE PHOTOSHOP

SKETCHING

RHINOCEROS

ADOBE ILLUSTRATOR

LASER CUTTING

ACHIEVEMENTS

COMMUNITY COLLEGE EXHIBITION - WOODBURY UNIVERSITY

SPRING 2018

5TH ANNUAL ARCHITECTURAL STUDENT PROJECT EXHIBITION

SPRING 2015

WORK EXPERIENCE

LOS ANGELES COUNTY – DPW, ALHAMBRA, CA.

02/2016 - PRESENT

- REVIEWING ARCHITECTURAL PLANS
- COMPILING DATA FOR ENGINEERING PLANS, SPECIFICATIONS AND REPORTS

SUPERVISOR: MR. EDWARD GIRLITS, CIVIL ENGINEER

SAXTON INDUSTRIAL INC., GLENDALE, CA.

07/2013 - 01/2016

- ARCHITECTURAL SIGNAGE ESTIMATOR
- MANAGING WEB CONTENT
- OPERATING MACHINERY TO ENGRAVE ON MATERIALS

MANAGER: MR. ARDY REZAMAND

VOLUNTEERING

HABITAT FOR HUMANITY

- SANTA CLARITA ENRICHED NEIGHBORHOOD®

40 HOURS

PLATFORM - WOODBURY EXHIBITION



GLENDALE COLLEGE EXHIBITION



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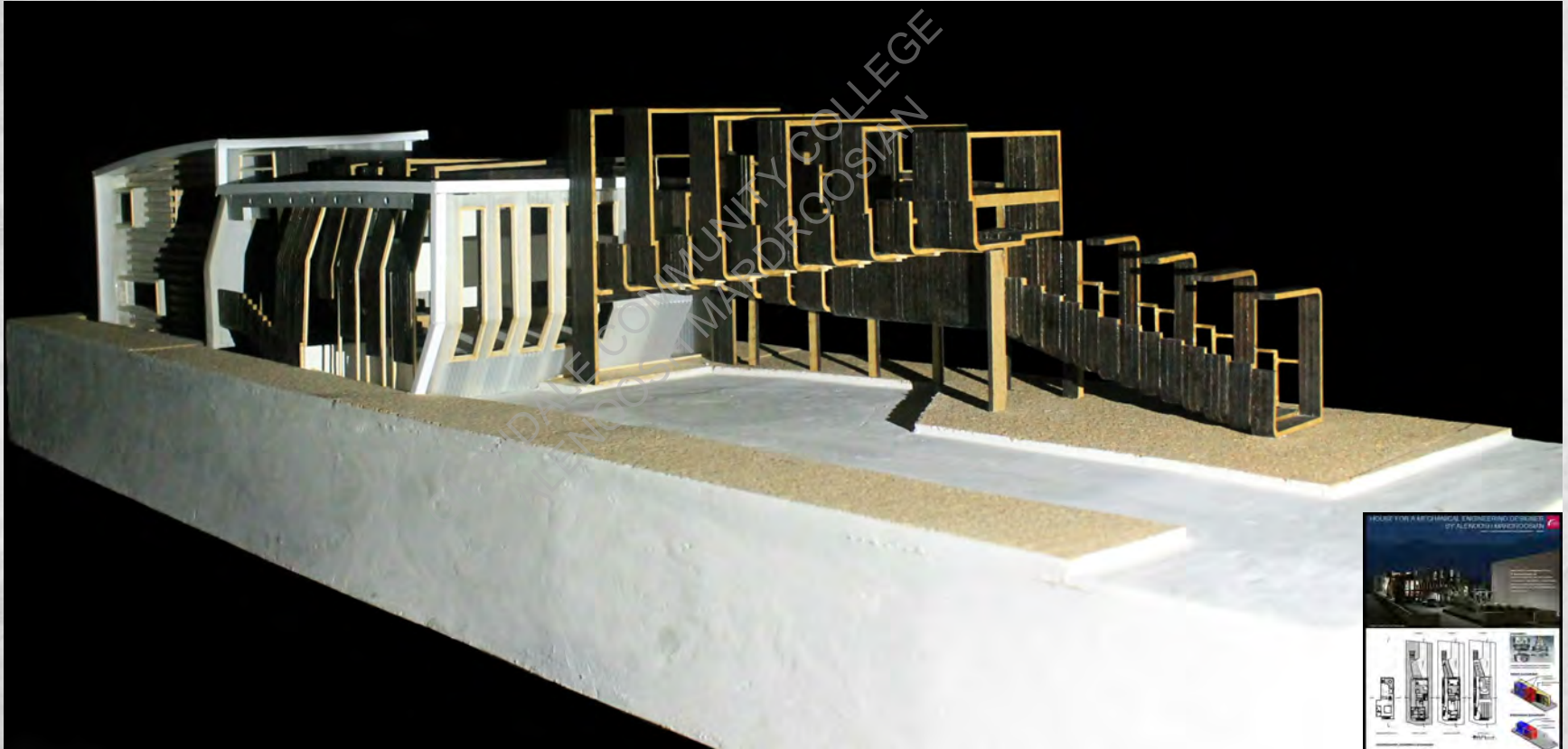
DESIGN HOUSE PROJECT

RESIDENTIAL HOUSE FOR A MECHANICAL ENGINEER
CLASS: ARCH 120
INSTRUCTOR: PAUL CHIU
SPRING 2017

ACHIEVEMENTS	_____	PAGE 2
PROJECT DESCRIPTION	_____	PAGE 4
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CONCEPT	_____	PAGE 7
DIAGRAMS AND PLANS	_____	PAGE 8
ELEVATIONS AND SECTIONS	_____	PAGE 10
EXPLODED VIEW	_____	PAGE 12
DETAILS	_____	PAGE 13
RENDERINGS	_____	PAGE 14
COMPARISON IMAGES	_____	PAGE 16
PERSONAL ARTWORK	_____	PAGE 23

GLENDALE COMMUNITY COLLEGE
ALENOOSH MARDROOSIAN

RESIDENTIAL HOUSE PROJECT



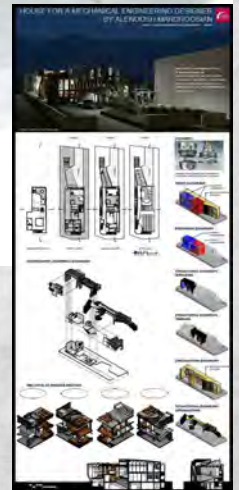
A HOUSE FOR A MECHANICAL ENGINEERING DESIGNER

INDIVIDUAL WORK FOR GALLERY EXHIBITION

ALENOOSH MARDROOSIAN

INSTRUCTOR: PAUL CHIU

GLENDALE COMMUNITY COLLEGE, SPRING 2017



SITE LOCATION:

708 EAST PALMER AVENUE, GLENDALE, CALIFORNIA, 91205



PROJECT INFORMATION:

STUDENTS WERE ASKED TO CHOOSE A CLIENT FROM 3 CATEGORIES OF GIVEN PROFESSIONS (ENGINEER, ARTIST AND CRAFTSMAN), RESEARCH ABOUT THE PROFESSION AND DESIGN A 3 BEDROOM RESIDENTIAL HOUSE FOR THAT CLIENT.

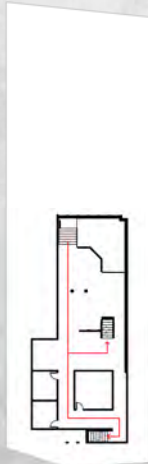
THE DESIGN MUST INCLUDE THE GENERAL PROGRAMS SUCHAS KITCHEN, DINING ROOM, LIVING ROOM, FAMILY ROOM. IN ADDITION IT MUST HAVE 3 BEDROOMS WITH CLOSET AND BATHROOM. A WORK STATION FOR THE SPECIFIC CLIENT, A 3 CAR GARAGE AND 2 EXISTS ARE REQUIRED.

DESIGN STRATEGY

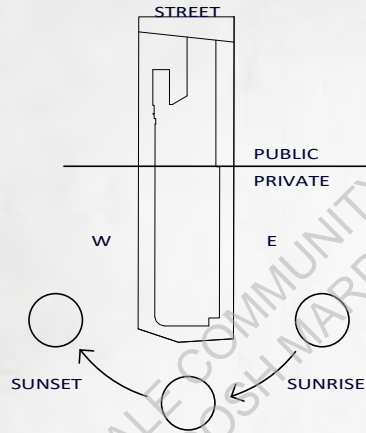


SITE MAP

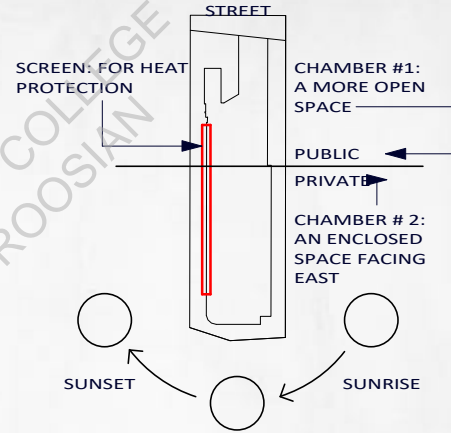
EXIT DIAGRAM



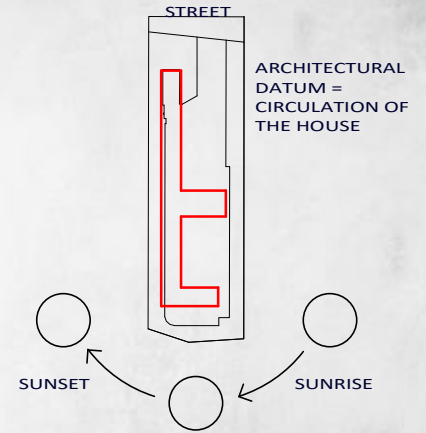
BASEMENT



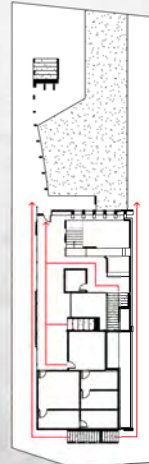
SUN PATH DIAGRAM



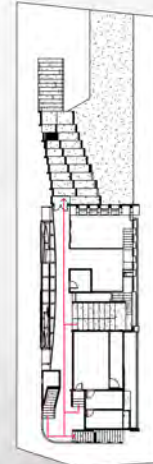
PROGRAM DIAGRAM



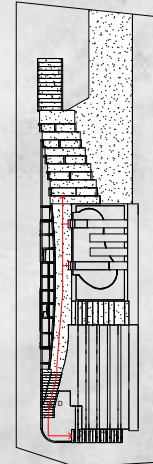
CIRCULATION DIAGRAM



FIRST FLOOR



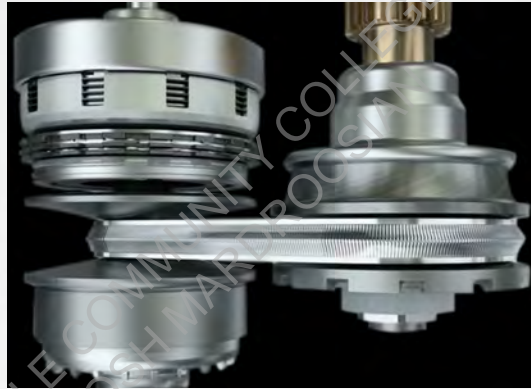
SECOND FLOOR



ROOF

CONCEPT: FOR A MECHANICAL ENGINEERING DESIGN

DESIGN HOW TO CONNECT ISOLATED CHAMBERS THROUGH ARCHITECTURAL DATUM.



TWO MECHANICAL PARTS CONNECTED BY A BELT (MECHANICAL ARTERY)

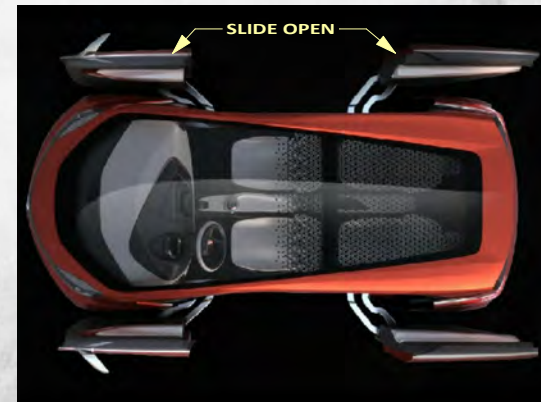
MECHANICAL ARTERY: MODULAR RHYTHM

**STAIRCASE AND HALLWAY: LOOP OF FLEXIBLE STRUCTURE
LINKING TWO OR MORE PARTS - PROGRAMS - TOGETHER.**

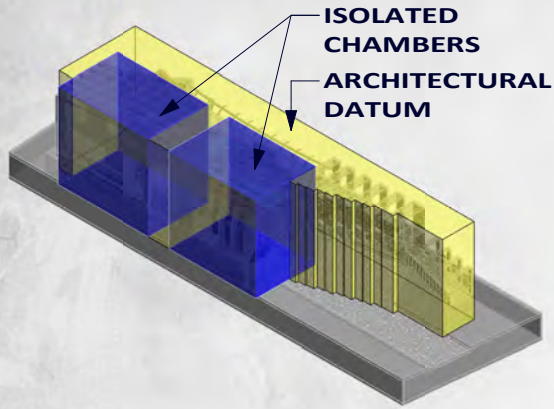


SCREEN:

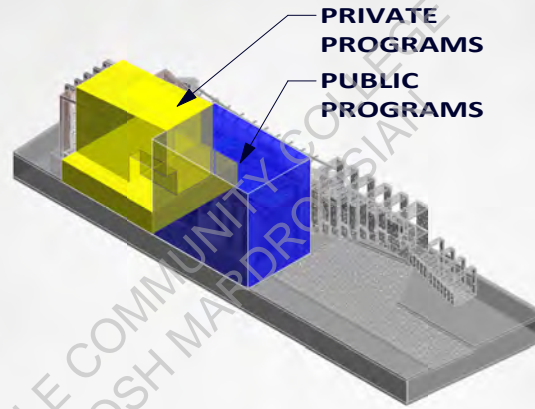
**A SELF-SUPPORTING SYSTEM WHICH FUNCTIONS AS A BELT.
PROVIDING SUNLIGHT AT DAYTIME AND PRIVACY AT NIGHT.**



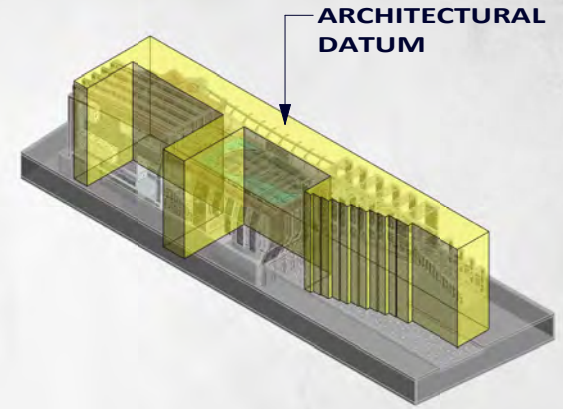
DIAGRAMS



PARTI DIAGRAM



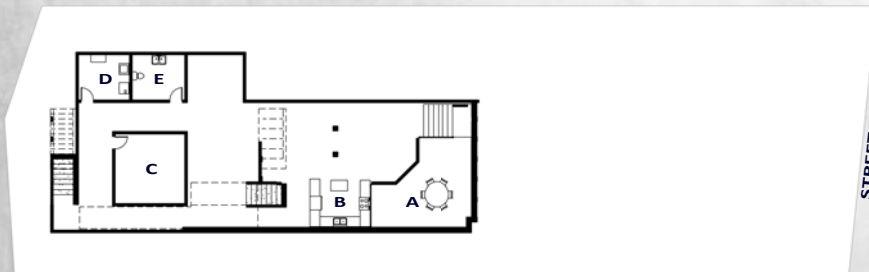
PROGRAM DIAGRAM



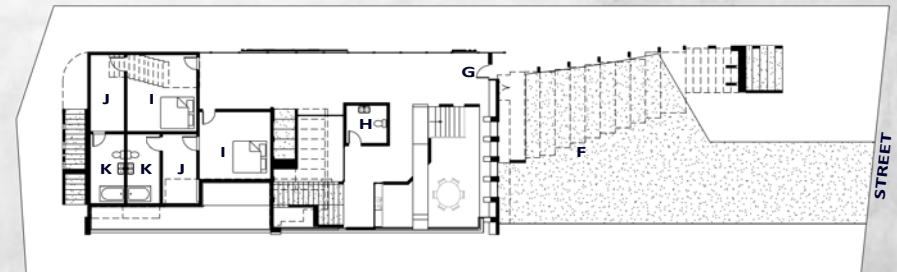
CIRCULATION DIAGRAM

FLOOR PLANS

- | | | | |
|-----------------|-------------------|--------------------|----------------|
| A- DINING ROOM | E- RESTROOM | I- MASTER BEDROOM | M- LIVING ROOM |
| B- KITCHEN | F- GARAGE | J- WALK-IN CLOSET | N- FAMILY ROOM |
| C- WORK STATION | G- ENTRANCE | K- MASTER BATHROOM | O- RESTROOM |
| D- LAUNDRY ROOM | H- GUEST RESTROOM | L- MAIN ENTRANCE | P- ROOF GARDEN |

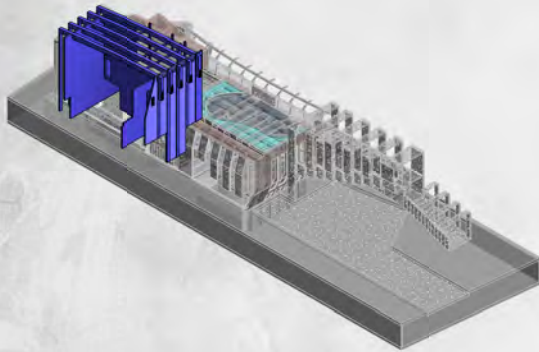


BASEMENT FLOOR PLAN

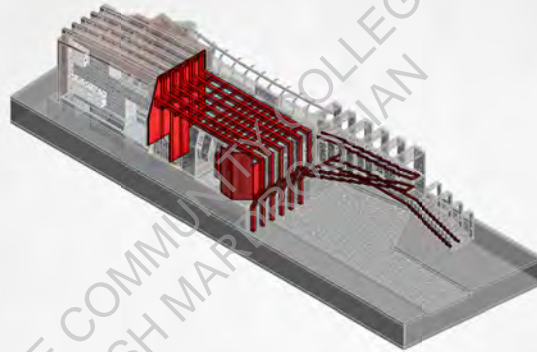


FIRST FLOOR PLAN

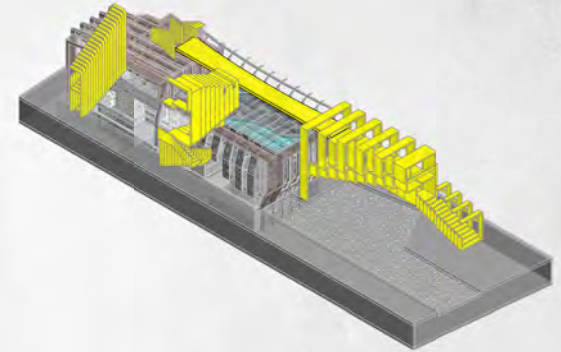




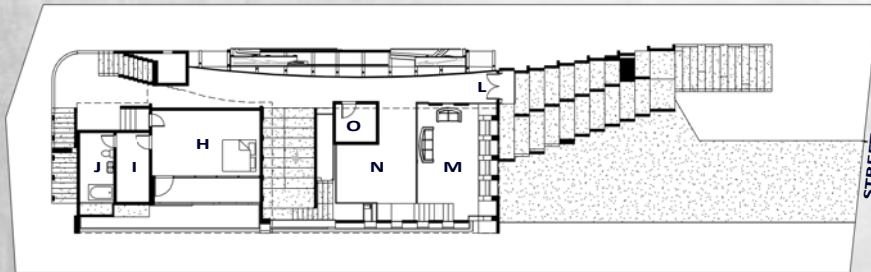
STRUCTURAL DIAGRAM (PRIVATE)



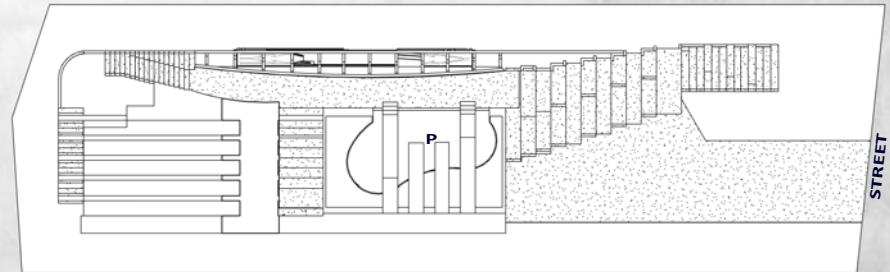
STRUCTURAL DIAGRAM (PUBLIC)



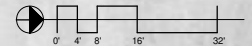
STRUCTURAL DIAGRAM CIRCULATION



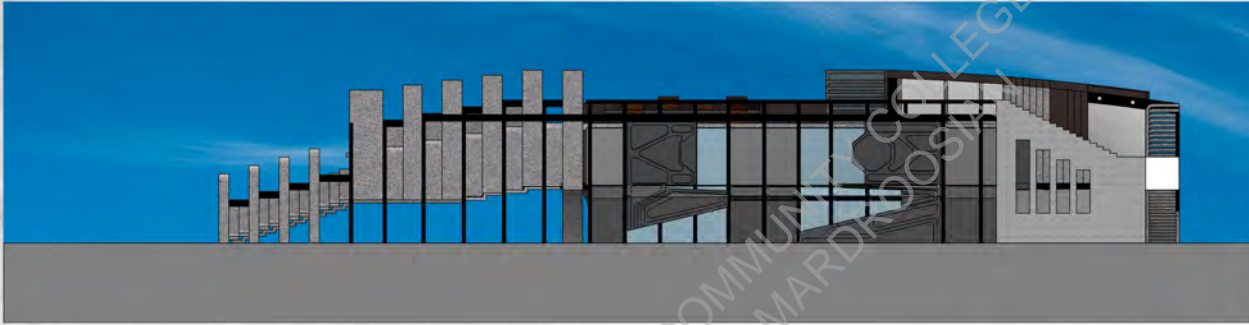
SECOND FLOOR PLAN



SITE PLAN



ELEVATIONS

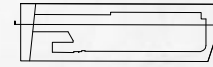


WEST ELEVATION



NORTH ELEVATION

SECTIONS



SECTION KEY



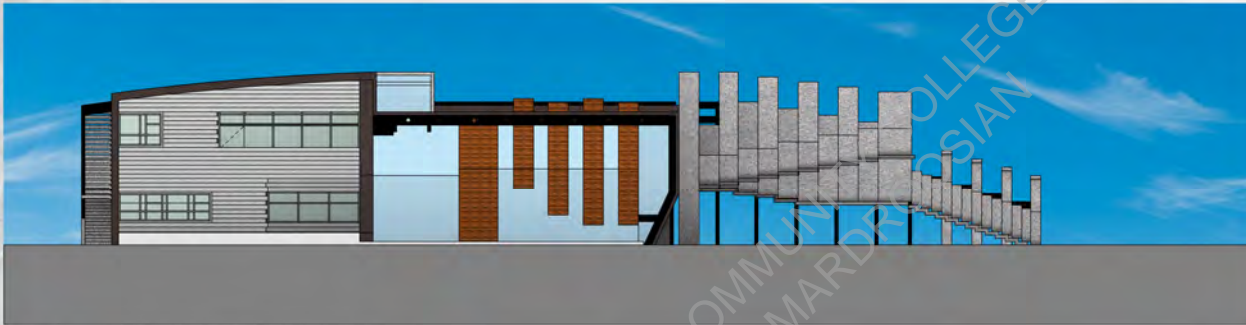
SECTION KEY



LONGITUDINAL SECTION



CROSS SECTION



EAST ELEVATION



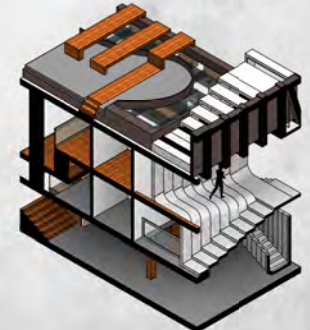
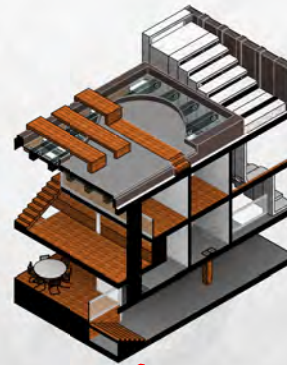
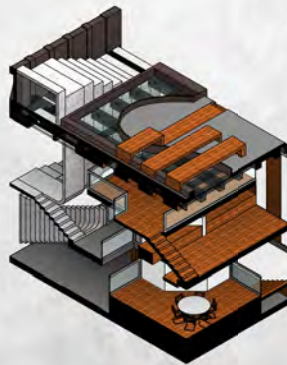
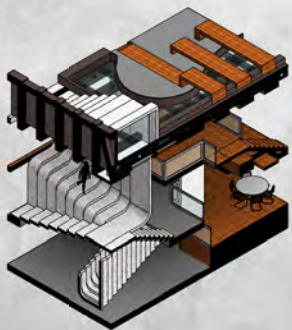
SOUTH ELEVATION



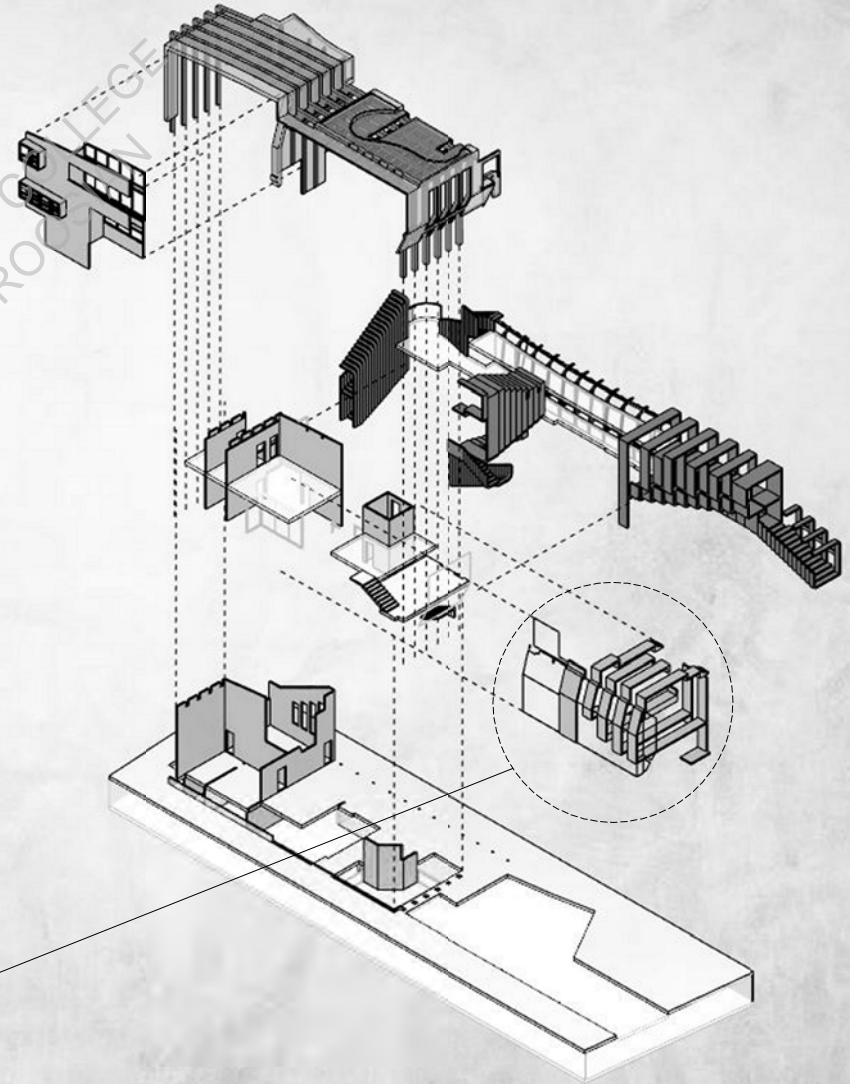
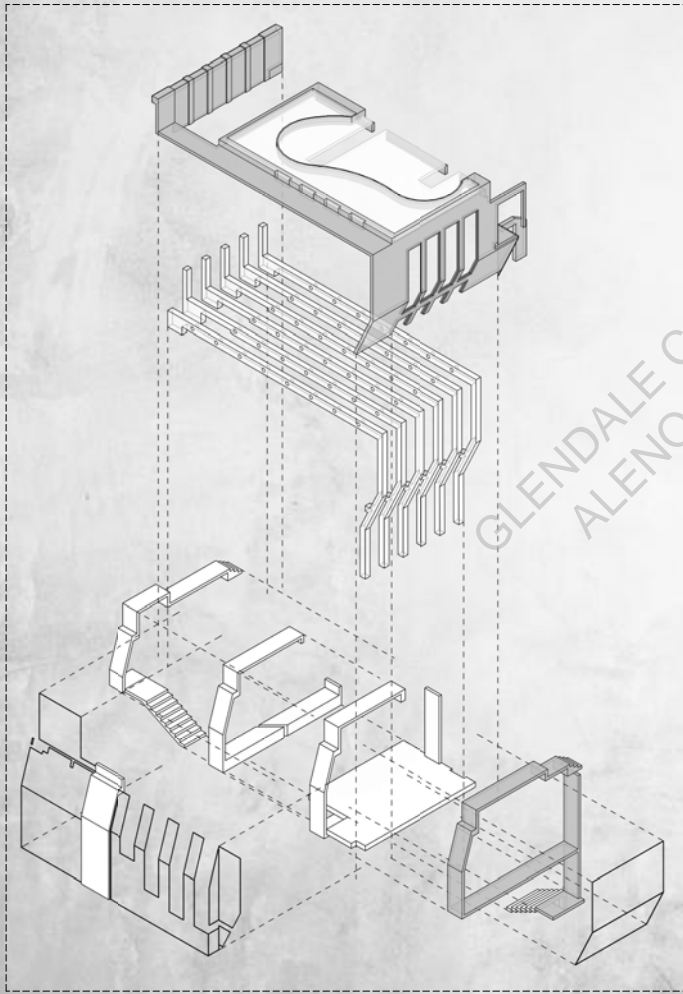
360 VIEW AT MIDDLE SECTION



SECTION KEY

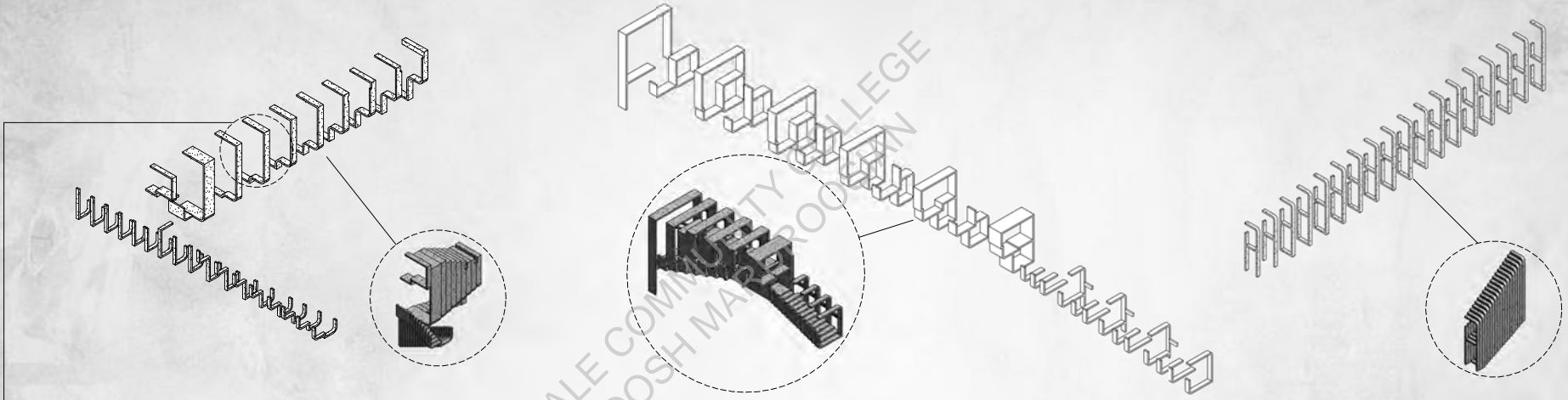


EXPLODED VIEW

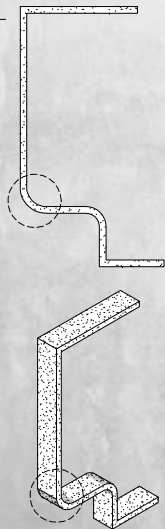


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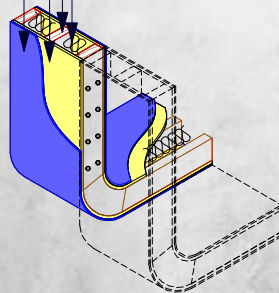
DETAILS



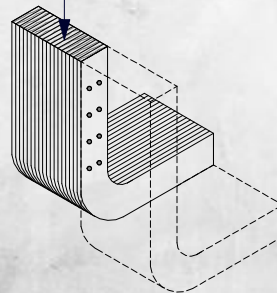
CONSTRUCTION AND MATERIAL CHOICES



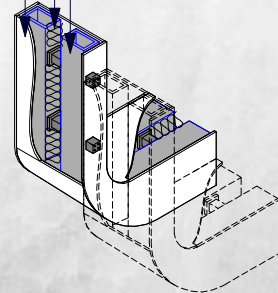
- TILE - 3/8"
- FIBERGLASS MAT SHEATHING - 5/8"
- WOOD STUD 2 X 4
- INSULATION



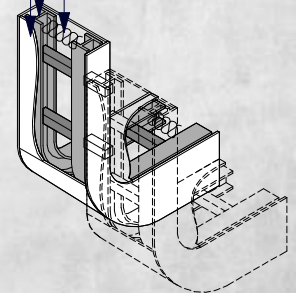
- GLUELAM
- BEAM 1 X 6



- EXTERIOR WOOD SURFACE
- INSULATION
- FIRE PROTECTED STEEL TUBE 4 X 6



- EXTERIOR WOOD SURFACE
- FIRE PROTECTED STEEL I BEAM 4 X 4
- INSULATION



RENDERINGS



SOUTHWEST VIEW FROM EAST PALMER AVENUE



ROOF GARDEN - SOUTH VIEW



2ND LEVEL - INTERIOR VIEW



SOUTHWEST VIEW FROM EAST PALMER AVENUE



ROOF GARDEN - SOUTHWEST VIEW



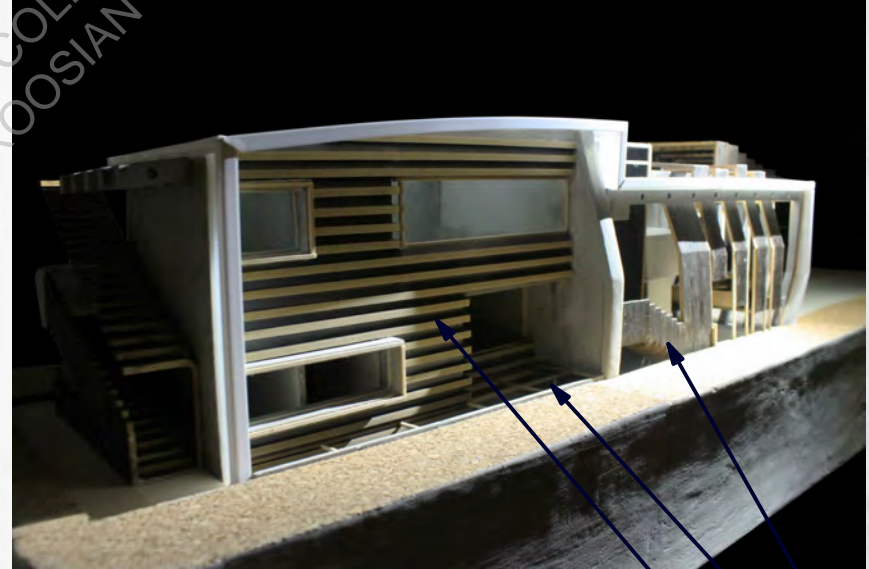
NORTHWEST VIEW

ONE HOUSE, TWO DESIGNS



ORIGINAL DESIGN - SPRING 2015

- THE PRIVATE PROGRAMS ARE NOT WELL DEFINED.
- THE CENTRAL INTERIOR CIRCULATION IS A BOX.
- OVERALL DESIGN IS MONOLITHIC.



MODIFIED DESIGN - SPRING 2017

- THE PRIVATE PROGRAMS ARE WELL DEFINED.
- SKYLIGHT PROVIDES NATURAL LIGHT TO THE BASEMENT
- CENTRAL CIRCULATION HAS BECOME PART OF THE DESIGN AND IS MORE EXPRESSIVE.
- DESIGN HAS MORE VISUAL RHYTHM DUE TO BREAKS ON THE FACADE AND VARYING MATERIALS.

CIRCULATION



ORIGINAL DESIGN

- THE ANGLE IN THE CIRCULATION BREAKS THE PATTERN.
- THE CONNECTION BETWEEN THE CIRCULATIONS ARE NOT EXPRESSED IN A CLEAR FORM.



MODIFIED DESIGN

- THE STRAIGHT PATH OF CIRCULATION IS CLEARER.
- THE CONNECTION BETWEEN TWO STAIRCASES ARE BETTER DEFINED.



ENTRANCE



ORIGINAL DESIGN

- THE MAIN ENTRANCE IS NOT SITUATED IN A DESIRABLE LOCATION.
- THERE IS NO ENTRANCE TO THE HOUSE FROM THE GARAGE.
- A SECONDARY ENTRANCE IS LOCATED ON THE 2ND FLOOR.



MODIFIED DESIGN

- THE HOUSE IS ACCESSIBLE FROM THE GARAGE THROUGH THE ENTRANCE ON THE 1ST FLOOR.
- THE MAIN ENTRANCE, LOCATED ON THE 2ND FLOOR AT THE END OF THE STAIRCASE, IS BETTER SITUATED.

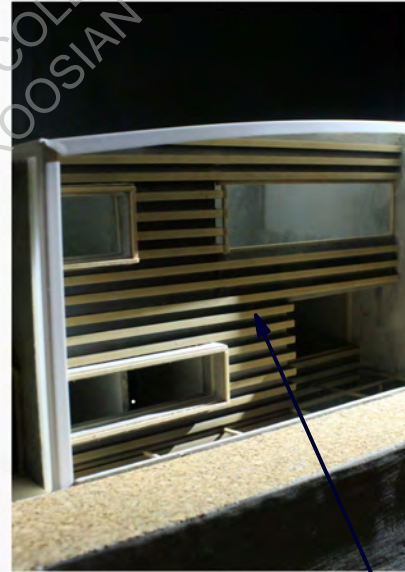
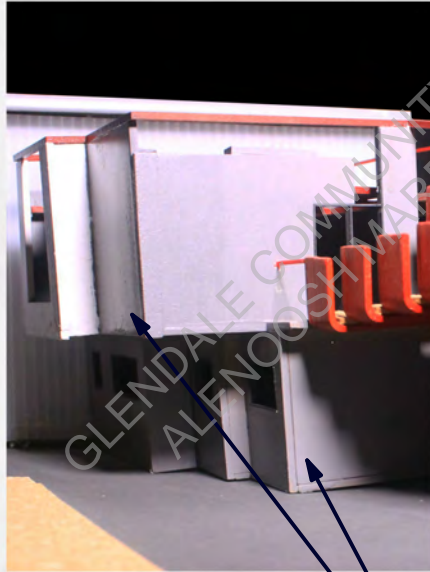


PROGRAMS



ORIGINAL DESIGN

- THE PRIVATE PROGRAMS ARE NOT WELL DEFINED.
- THE PUBLIC PROGRAMS HAVE BOXY DESIGN AND DO NOT HAVE A FLOW.

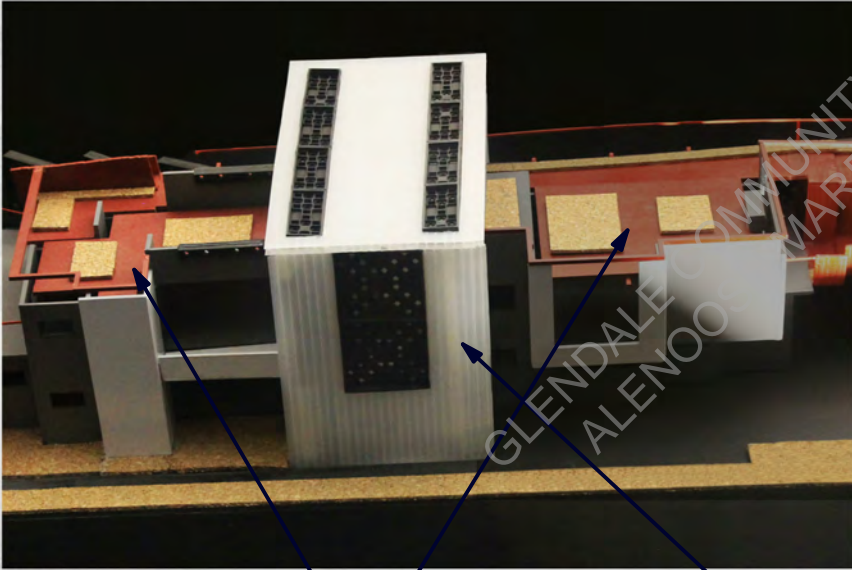


MODIFIED DESIGN

- THE PRIVATE PROGRAMS EXPRESS THE PRIVACY OF THE RESIDENTS.
- THE PUBLIC PROGRAMS ARE MORE INTERACTIVE WITH THE OUTSIDE.

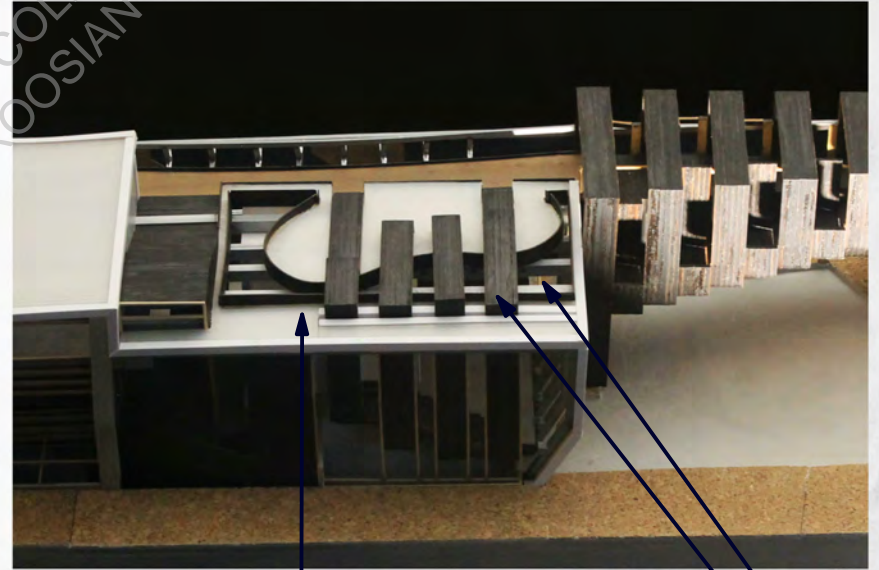


ROOF-TOP GARDEN



ORIGINAL DESIGN

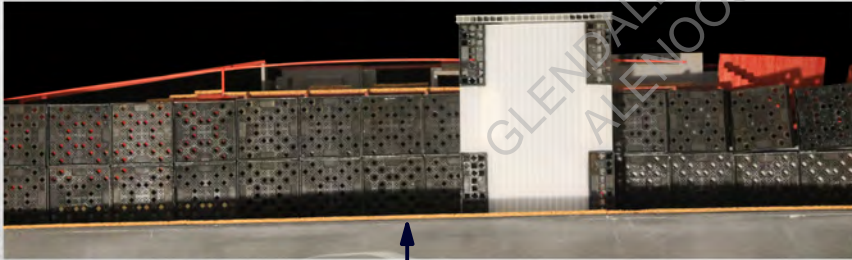
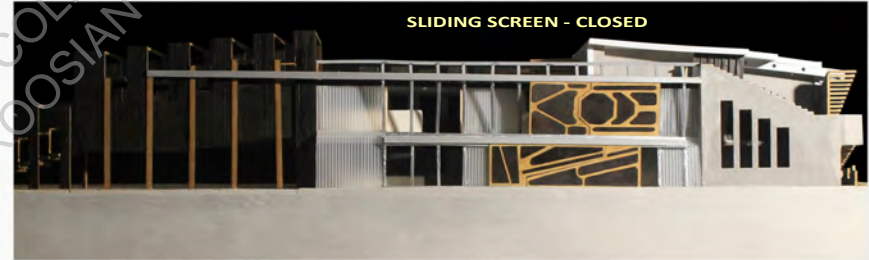
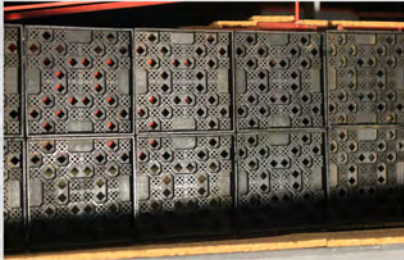
- OUTDOOR AREA IS SEPARATED IN TO TWO AREAS.
- THE BOX LOCATED IN MIDDLE CONVEYS DISCONNECTION IN THE OUTDOOR AREA.



MODIFIED DESIGN

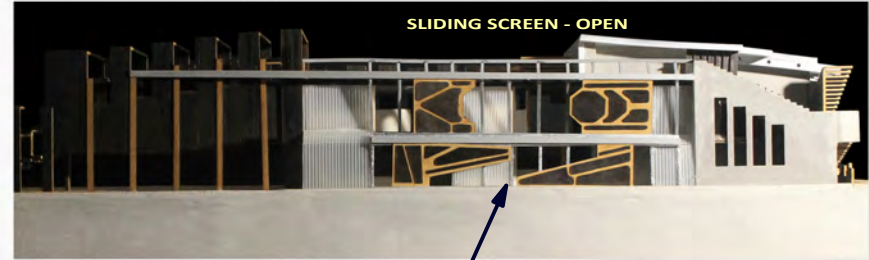
- A MORE FOCUSED OUTDOOR AREA.
- CONNECTION BETWEEN THE INTERIOR AND EXTERIOR.
- GLASS CEILING TO ALLOW MORE NATURAL LIGHT IN.

SCREEN



ORIGINAL DESIGN

- THE PATTERN IS TOO BUSY AND CREATES A CONFUSION.



MODIFIED DESIGN

- THE SLIDING SCREEN IS SIMPLER AND MORE MECHANICAL.
- WHEN CLOSED IT ALLOWS THE PASSAGE OF NATURAL LIGHT AND WHEN OPEN IT PROVIDES PRIVACY TO THE RESIDENTS.



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ARTWORKS



SCREENPRINTING



STIPLING



STIPLING + SCREENPRINTING



GRAPHIC DESIGN



GRAPHIC DESIGN

GLENDALE COMMUNITY COLLEGE
ALENOOSH MARDROOSIAN

THANK YOU FOR REVIEWING MY PORTFOLIO

**ALENOOSH MARDROOSIAN
GLENDALE COMMUNITY COLLEGE
SPRING 2018**