ERIC TON
DESIGN PORTFOLIO

email: ericleton@gmail.com
cell: 626-283-7790

ERIC TON

Lawndale, California
(626)-283-7790
ericleton@gmail.com

+ PROFILE:

• Designer with 6+ year experience working in the field of commercial, mixed-use/residential, and interior design projects. Actively looking for new challenges and experiences as an architectural designer/draftsman by becoming a Revit BIM User, and obtaining my ARE license. I believe that teamwork and communication is important to strives for a better product that serves the clients' needs at a fast and timely matter.

+ SKILLS:

- 3dsMax
- AutoCad
- AfterEffects
- ARCGIS, ESRI,
- Bluebeam
- BIM 360
- Indesign
- Illustrator
- Microsoft Word, Excel, Powerpoint
- Photoshop
- Revit, Dynamo, BIM 360
- VRAY
- Twinmotion, Enscape
- Sketchup,
- Zoning & Program Analysis
- Building Codes

+ EDUCATION:

B-Arch, 2018
Cal Poly Pomona
Pomona, California

Associate of Architecture, 2014
East Los Angeles College
Monterey Park, California

+ EMPLOYMENT HISTORY:

DRAFTSMAN - LEVEL 1/ LEVEL 2
Withee Malcolm/ BSB Design - Los Angeles (Torrance), California
2021 - 2023

• Coordinated and prepared design and construction packages under the guidaince of Job Captains and Project Managers. Reviewed QA/QC, and Plan Check comments.

• Worked on Revit projects on a daily basis. (Recieved training on a monthly basis) Developed complex Revit Families and Revit Dynamo Scripts to automate the process from SD to CD.

• Supported analysis and decision making on code requirements such as CBC/IBC, TITLE 24, ADA/ANSI and Municipal City Code Ordiance .

DESIGNER
Jamison Properties/ ISO Arch. - Los Angeles (K-town), California
2018 - 2021

• Drafted Proforma, and reviewed Building Codes, and Transit Oriented Community Guidelines to determined the Zone Types, Programs, and Density Calculation for developing Affordable Housing Projects

• Drafted 2D/3D design proposal on AutoCAD and Revit for mixed-use projects to communicate conceptual and schematic design to clients, owners, head architects, and project managers.

• Coordinated weekly meetings with construction managers to inspect general contractor's and subcontractor's work throughout the construction phase for mid-rise and high-rise projects

DRAFTSMAN/ INTERN
Courtney + Le Architects - Monrovia, California
May 2016 - September 2016

• Procured and assembled construction document set for commercial and retail design for a fast-track delivery service.

• Measured and drafted existing buildings to create floor plans, elevations, building sections, details drawings for Tetant Improvement projects

• Researched and documented material samples for design proposal to client

TEACHER ASSISTANT
Architecture Department, ELAC - Monterey Park, California
January 2013 - June 2014

• Taught students in major architecture software program such as AutoCAD, Revit, InDesign, Photoshop, Illustrator, and Sketchup

• Volunteered at design architecture courses to critique and advise students on building ideas and conceptual designs

+ MEMBERSHIP AND AFFLIATIONS:

TREASURER, MEMBER
Tau Sigma Delta Honor Society
Pomona, California

MEMBER
AIAS, American Institute of Architecture Students, CPP & ELAC,
Pomona, California

MEMBER
Habitat for Humanity
San Gabriel, California

+ AWARDS:

CPP Chair's Awards, 2018

2018 Student Design Awards Second Place (CASH Award Program), 2018

Simpson Strong-Tie Scholarship, 2017

MiTek Runner Up Competition Award, 2017

CALA Association Fall Conference scholarship recipient, 2016

+ REFERENCE:

Noe Felix, B.Arch – Woodbury University
Project Manager, BSB Design
310-408-6603
nfelix@bsbdesign.com

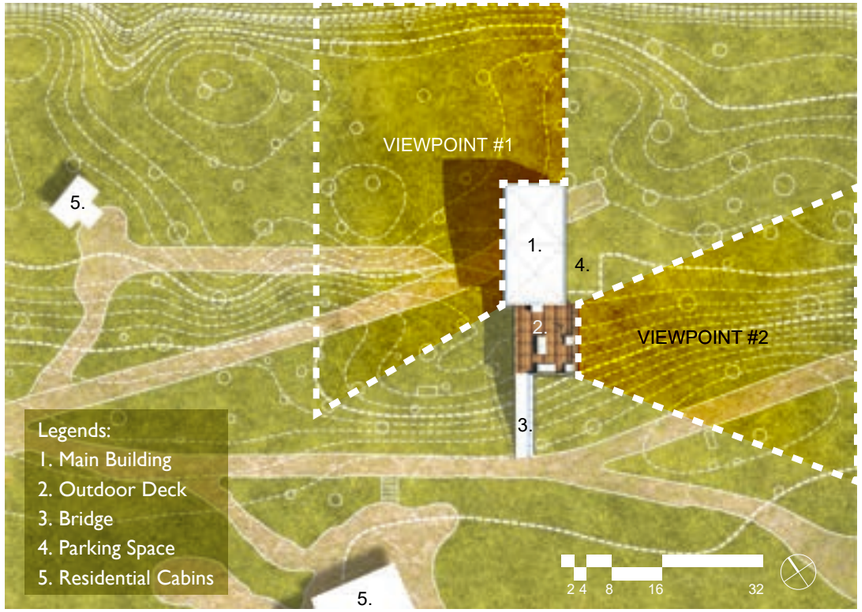
https://ericleton.wixsite.com/my-site
https://www.linkedin.com/in/eric-ton-104611161/

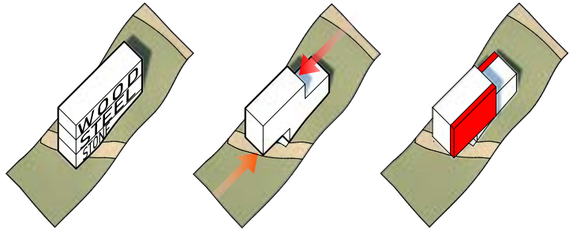
MT. WILSON SCIENTIST RETREAT

FALL 2015 - ARC 301
CAL POLY POMONA - PROF. MARC SCHULITZ, GARY McGAVIN

BUILDING DESCRIPTION:

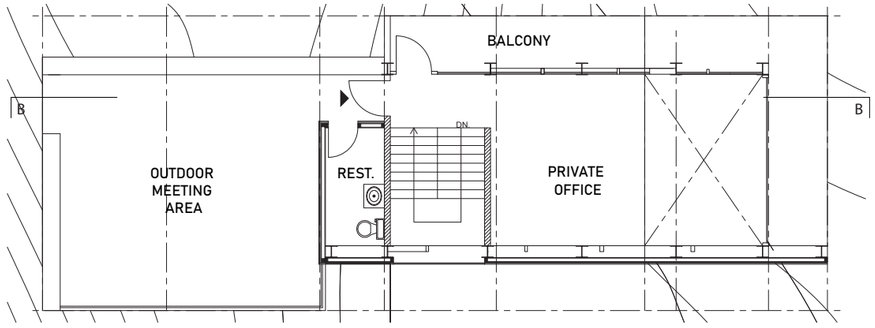
LOCATION:	MT. WILSON, CA
FAR:	1,500 S.F.
BUILDING HEIGHT:	30 FT.
# OF STORIES:	3 STORIES



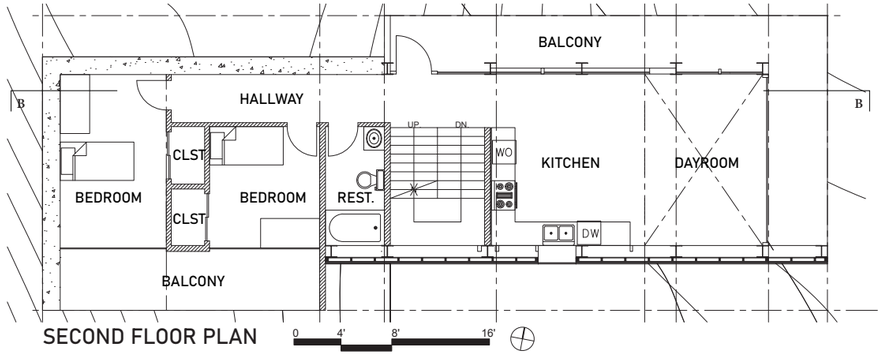


Set within the upper terrains of Southern California, the design serves as an extension to the Mount Wilson Observatory with ambition to capture fantastic viewpoints corresponding the north, east and south axis across the valley. The project serves as a main living quarters for two scientists promoting their studies in astrophysics.

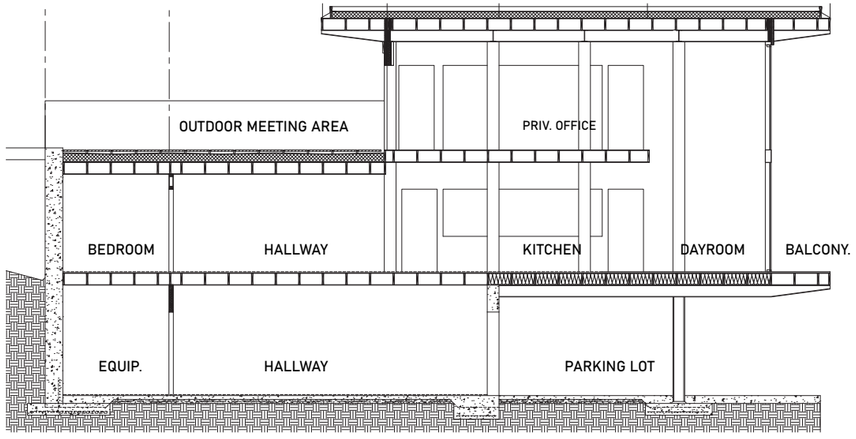
By protruding these two cubes outward, it frames a more intimate and distant views of Mt. Wilson where the residents are able to take the advantage for stargazing events, as well as other outdoor activities. The next phase was to open certain area of the building for these views to exist, while the opposite end was closed off. This was later reflected onto the reverse side of the building to create a sense of balance.



THIRD FLOOR PLAN

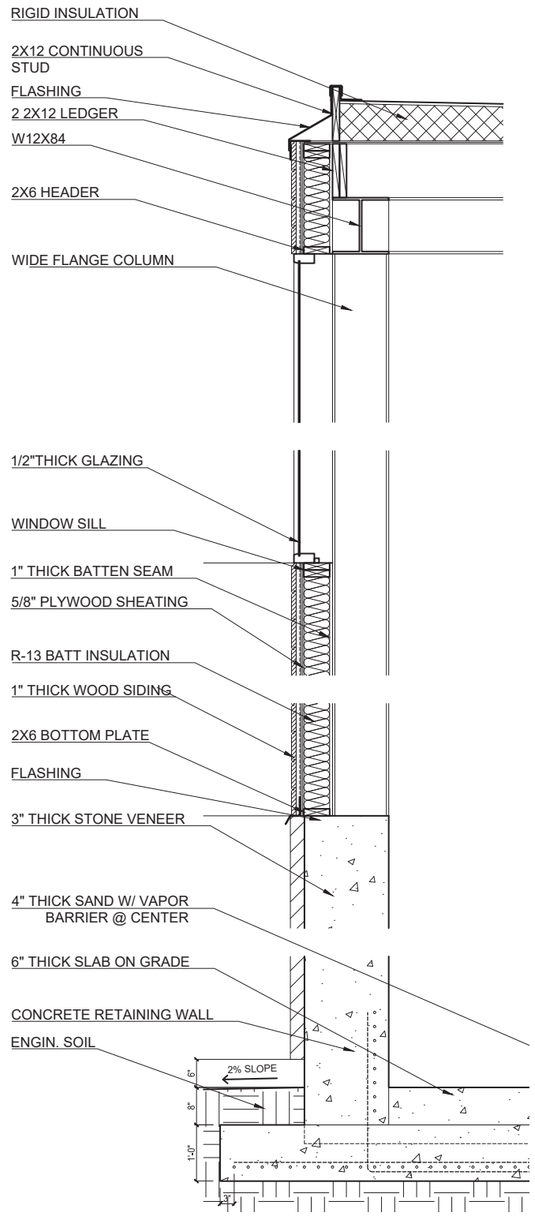


SECOND FLOOR PLAN



The project provides a parking lot, gently integrated into the existing landscape underneath the building where the private entrance guides the residents to the living space. The idea was to embed all the technical components within the bottom floor and to elevate the building above the terrain which gives a floating experience to the residents that well emphasize the conceptual idea.

The main supporting structure consists of a variety of materials such as wood, steel and concrete construction. This whole concept was to use these material to give off the illusion of the building that was camouflage with the environment itself. For example, stone veneer was wrapped around concrete retaining wall to represent the rocky terrain. Whereas steel was the capability of the design to extend out from certain area of the project which is overlaid with a series of wood sidings.

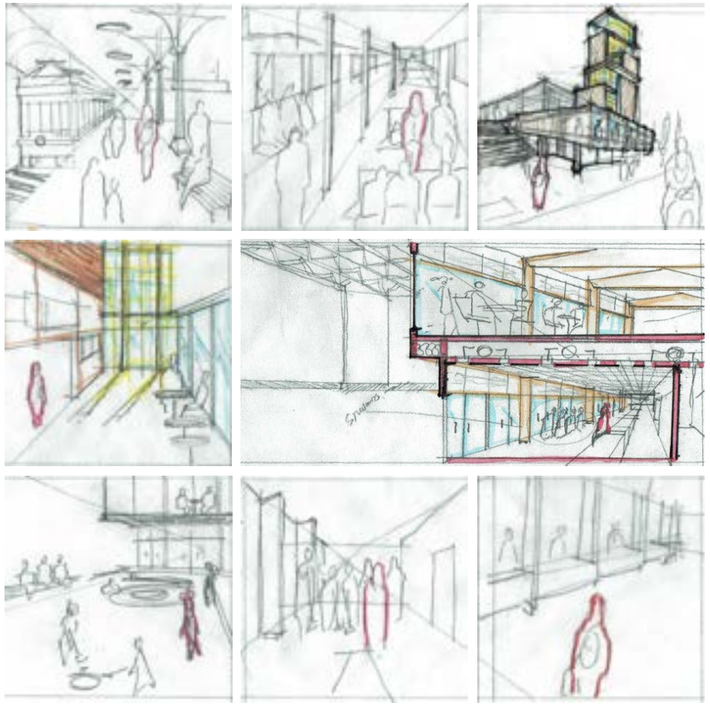


SECTION PERSPECTIVE VIEW

1. VIEW OF OUTDOOR COURTYARD SPACE
2. VIEW FROM THE MAIN OFFICE
3. VIEW FROM THE MAIN LIVING AREA

ARC 405 - L.A. SKYSCRAPER PROJECT

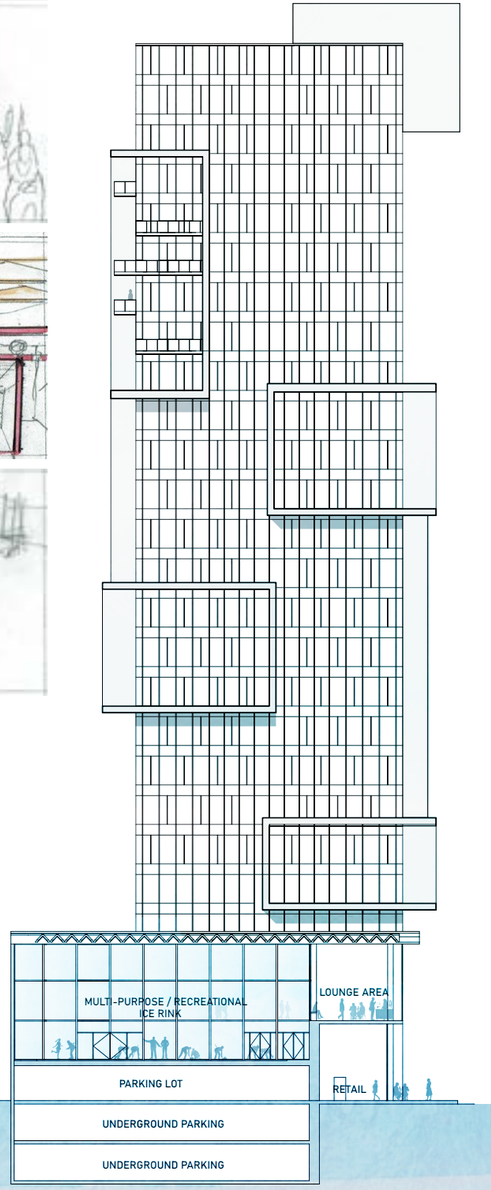
Cal Poly Pomona, Winter 2017
Prof. Marc Schulitz



The purpose of this project was develop a skyscraper design located on Flower St. and Pico Blvd. The reason we as a team picked this location because the site was a more vibrant and has better access to views based on the circulation entry.

The parti was to recognize and create intimate type of spaces that extrude or extend from not just the outside faces of the building but also from within.

The program consists of your typical office and residential spaces along with a restaurant feature on the top floor. Based on the comic strip, I wanted to implement more of my experiences from our trip to Vancouver into the design of the project. One of the major feature that I wanted to add is an ice rink dedicated to curling and skating.

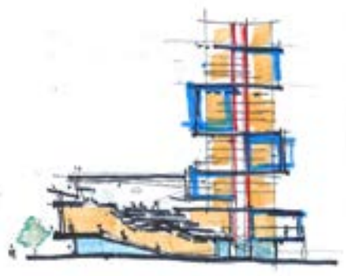


SECTION AA 0' 4' 8' 16'

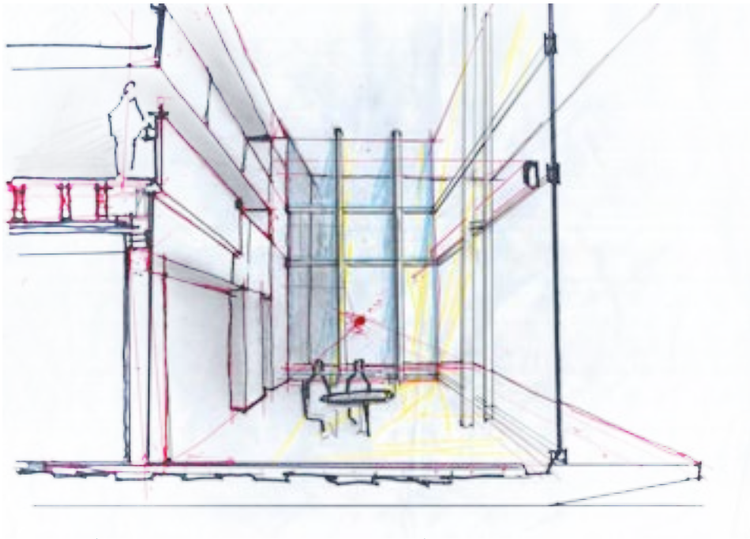
CONTEXT

PARTI

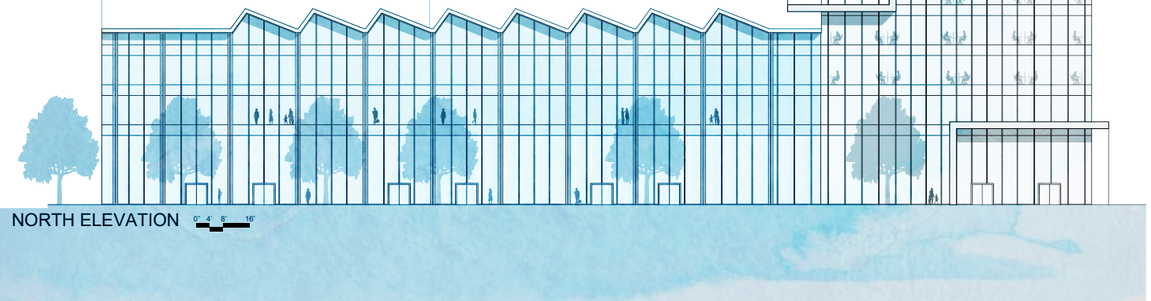
ENCLOSURE



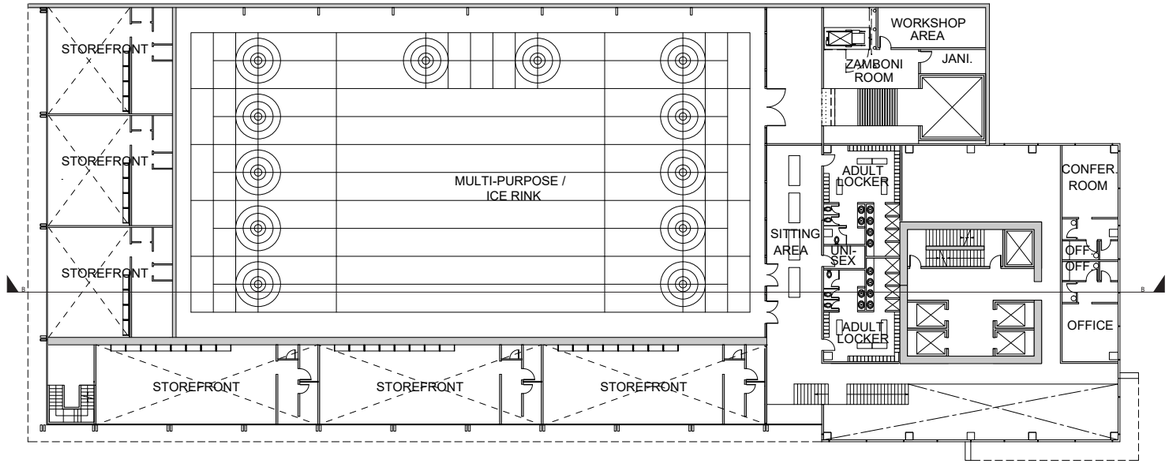
ARCHITECTURAL STRATEGY



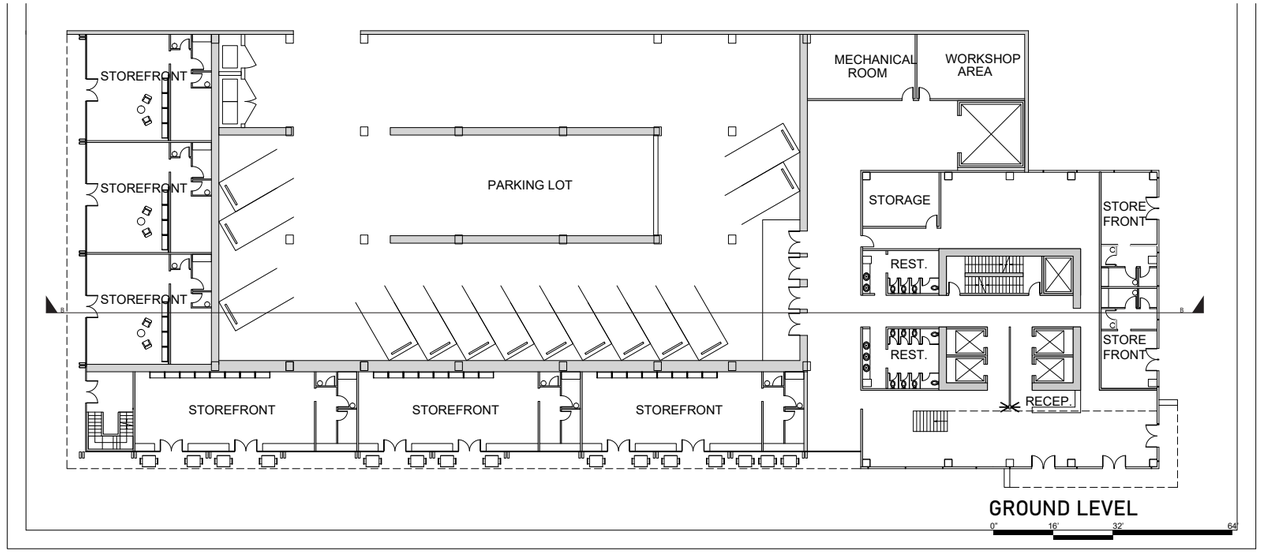
VIGNETTES



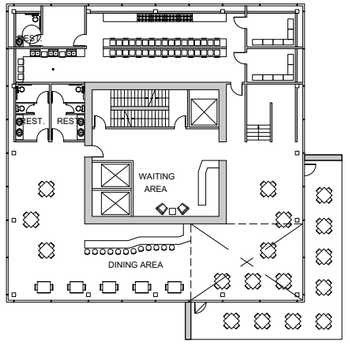
NORTH ELEVATION 0' 4' 8' 16'



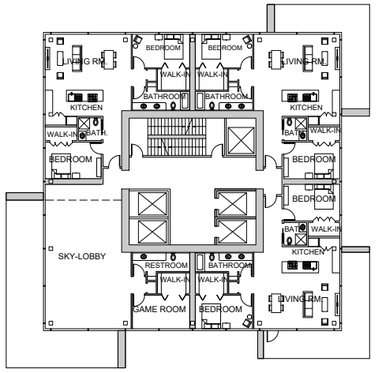
2ND FLOOR LEVEL



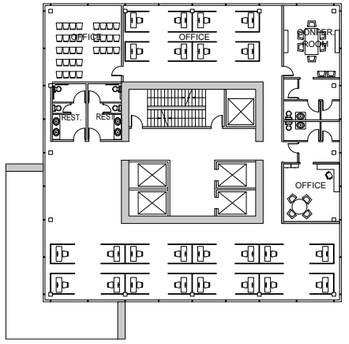
GROUND LEVEL



RESTAURANT LV.

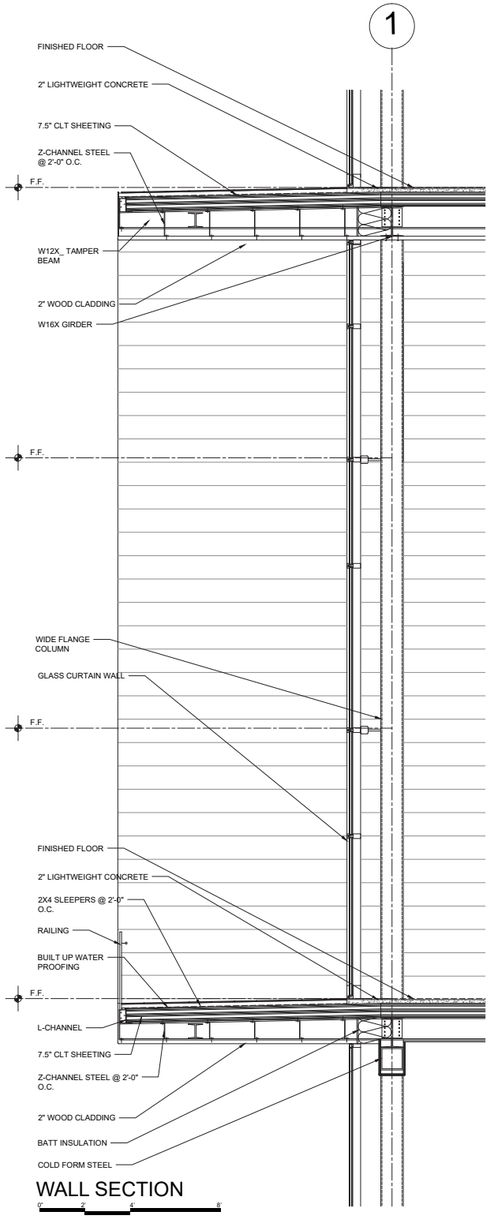


RESIDENTIAL/
SKY LOBBY LV.



OFFICE LV.

0' 4' 8' 16'



WALL SECTION

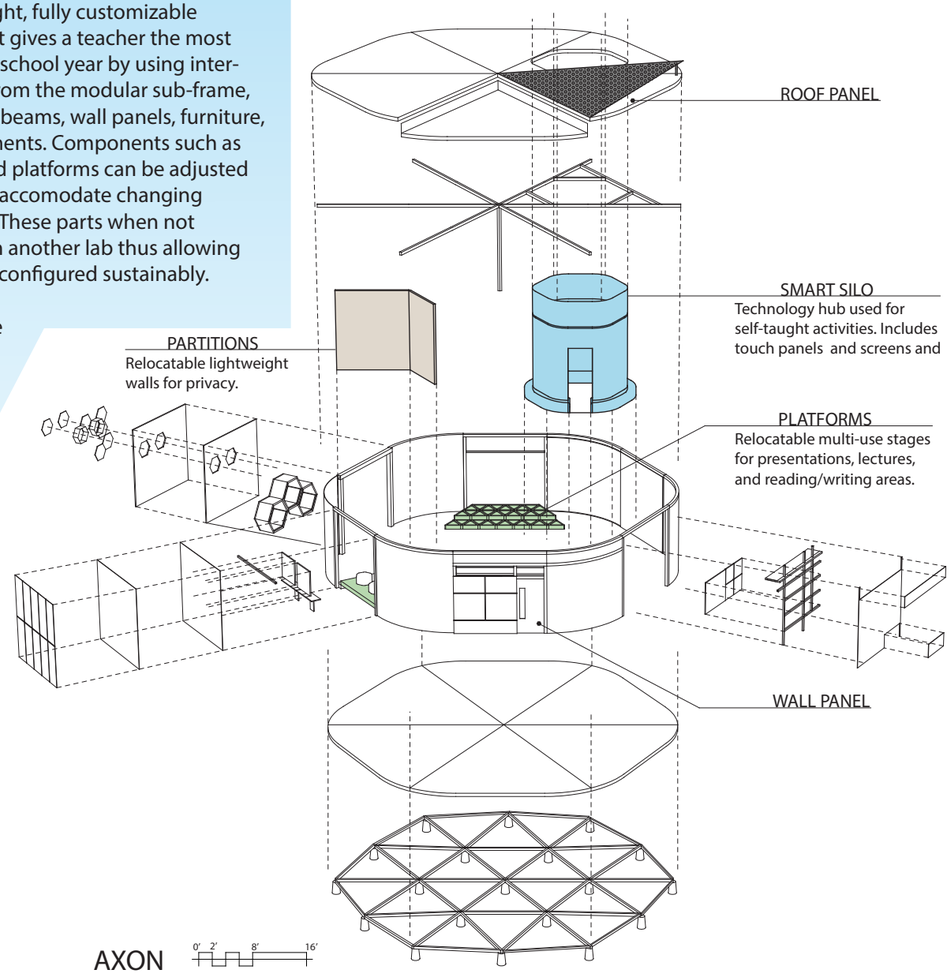
0" 2" 4" 8"

FLEX LAB

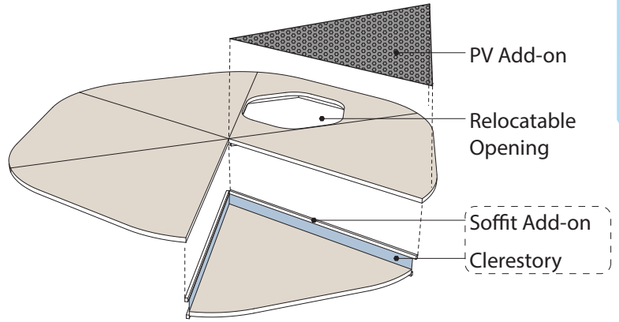
MODULAR LEARNING SPACE

FALL 2017 - ARC 405
CAL POLY POMONA - PROF. KEVIN O'BRIEN
BY MATTHEW MACE, SHAHIN NAZARI, ERIC TON

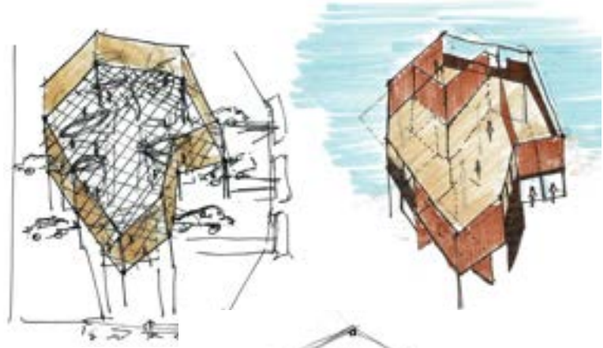
The Flex Lab is a lightweight, fully customizable pre-fabricated structure. It gives a teacher the most flexibility throughout the school year by using inter-changable components from the modular sub-frame, floor assembly, posts and beams, wall panels, furniture, lighting, and roof attachments. Components such as interior wall partitions and platforms can be adjusted during the school year to accomodate changing curriculum and activities. These parts when not needed may be re-used in another lab thus allowing the entire structure to be configured sustainably. Other lab configurations maybe customized before each school year to fit an ever-changing classroom typology for several years into the future.



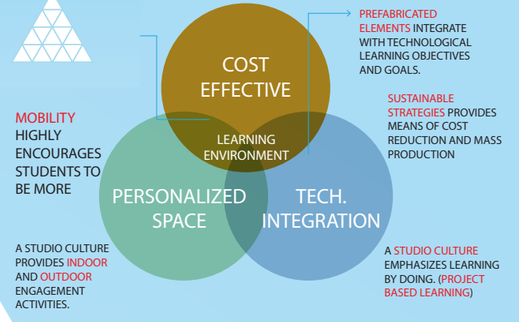
AXON 0' 2' 8' 16'

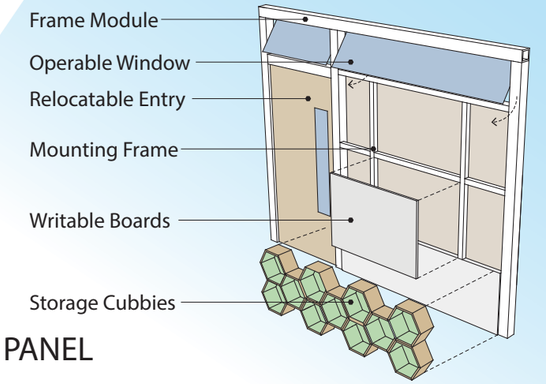


ROOF PANEL

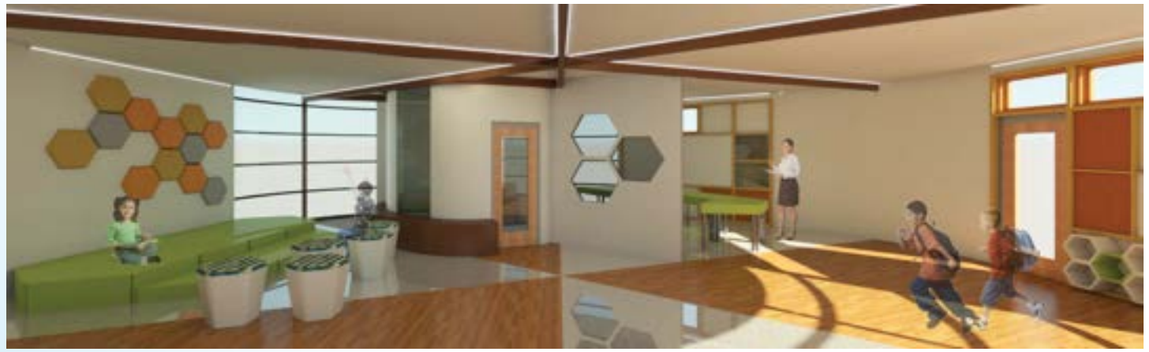


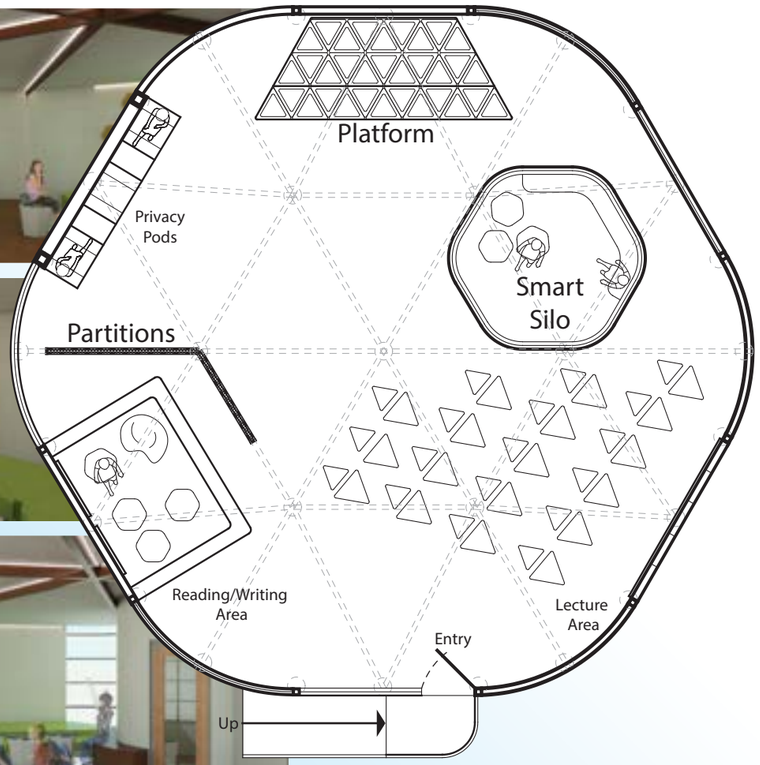
CONCEPT SKETCHES



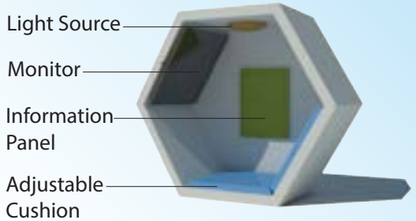


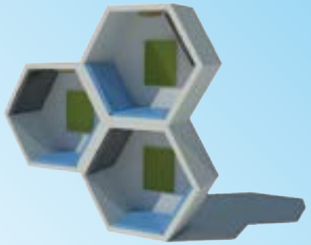
WALL PANEL



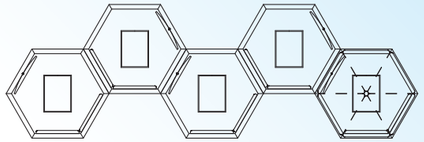


(OPTION)

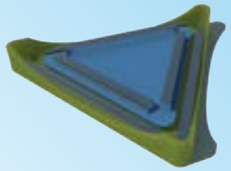


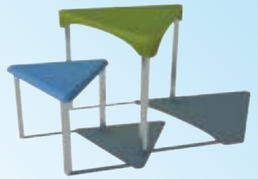


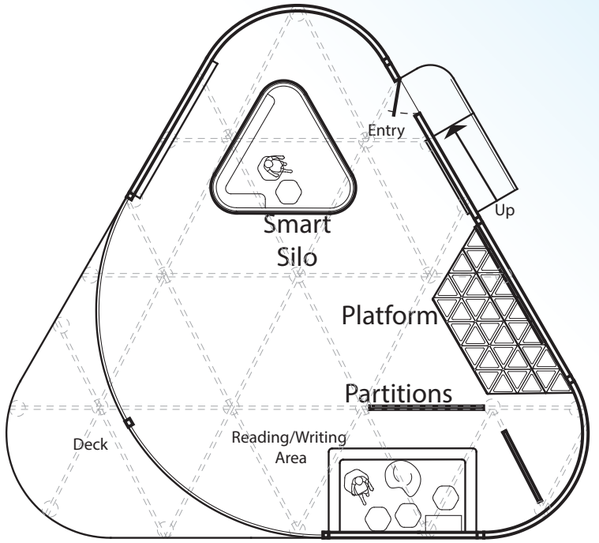
MODULAR FURNITURE

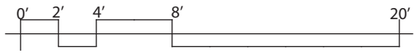


Folded Triangle Tables Stored Here



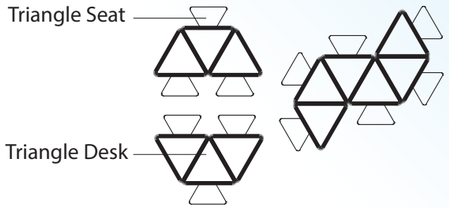






TRIANGULAR PLAN

(OPTION)



SOS SCHOOL OF SYTHESIS

FALL 2017 - ARC 405

CAL POLY POMONA - PROF. KEVIN O'BRIEN

BLDG. DESCRIPTION:

LOCATION: PASADENA, CA

FAR: 45,000 S.F.

BLDG. HEIGHT: 30 FT.

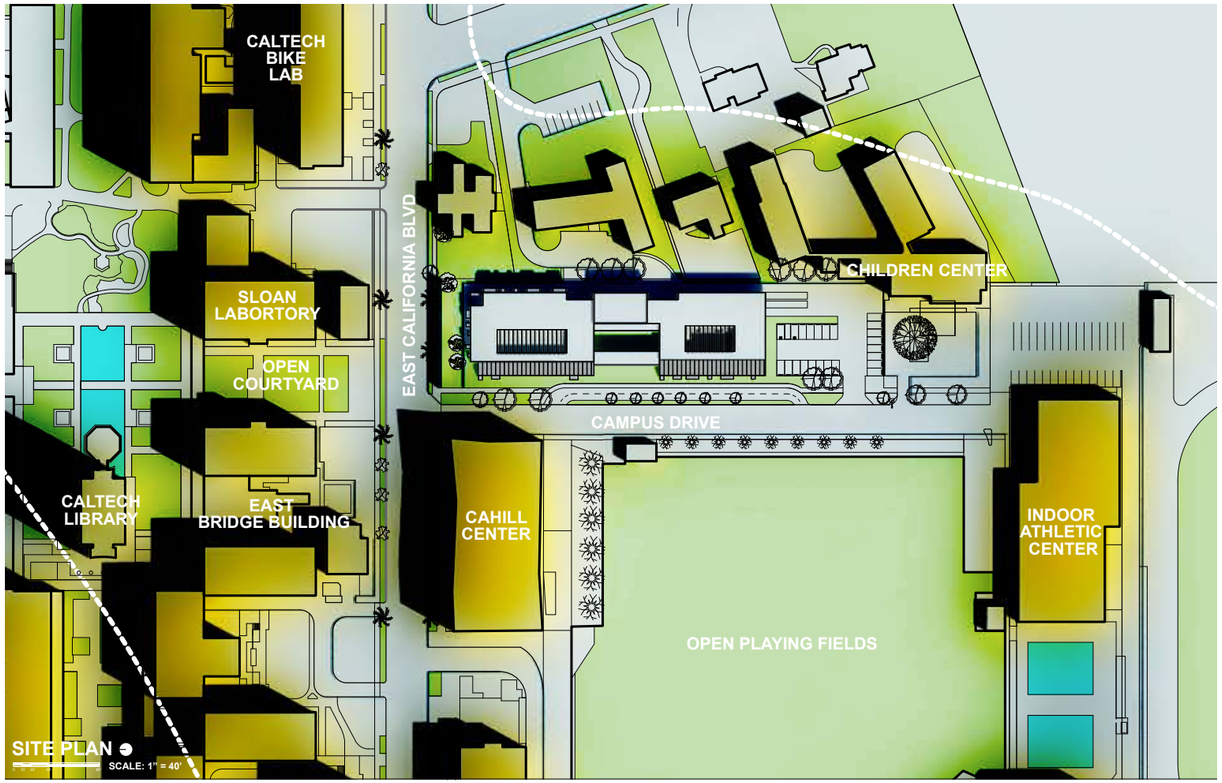
OF STORIES: 2 STR.

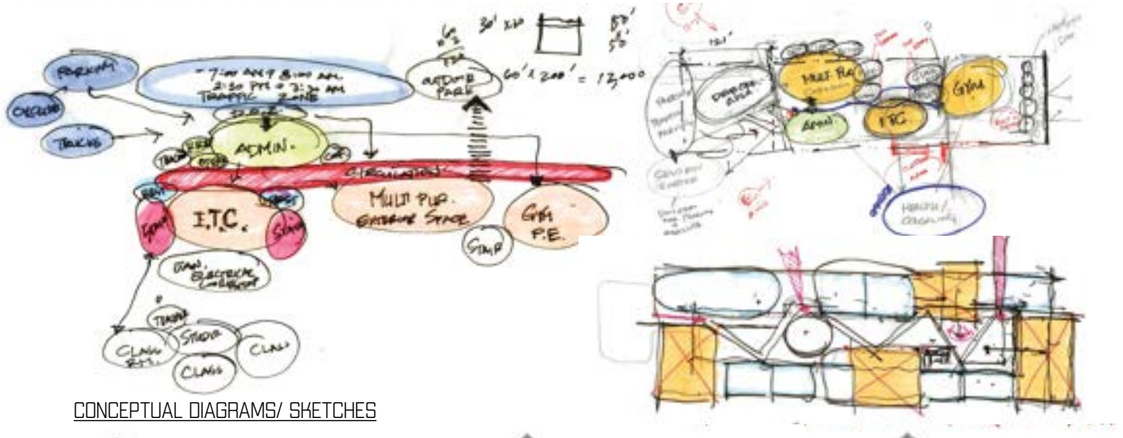
BLDG. TYPE:

STEAM BASED HIGH SCHOOL

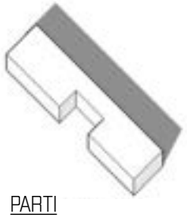
The purpose of this project is to design a new STEAM based high school facility on the Caltech Campus at the intersection of California and Campus Drive in Pasadena, California. In analyzing the Caltech campus, I decided to take the approach of incorporating certain elements that embody the culture and environment embedded throughout the Campus's master plan. These examples include shaded courtyards, abundant arcades, and the liberal use of natural landscape features - all which combine to make the Caltech campus experience worthwhile.

In keeping with the theme of a STEAM based educational environment, I became inspired by the concept of photosynthesis as a metaphor for the school. Like a plant, I imagine students drawing energy from exposure to different kinds of natural light in the learning spaces.

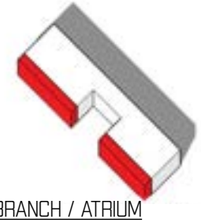




CONCEPTUAL DIAGRAMS/ SKETCHES

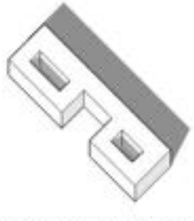


PARTI

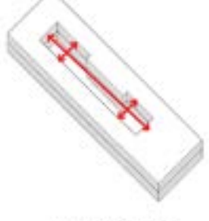


BRANCH / ATRIUM

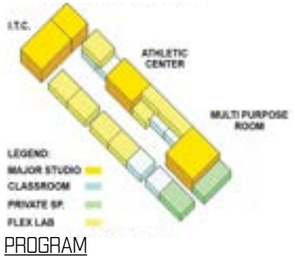
NICHES / PODS



COURTYARD / CORE



MAJOR CIRCULATION



PROGRAM

INTERIOR CIRCULATION

NICHES/ LEARNING PODS

PROGRAM I

PROGRAM II

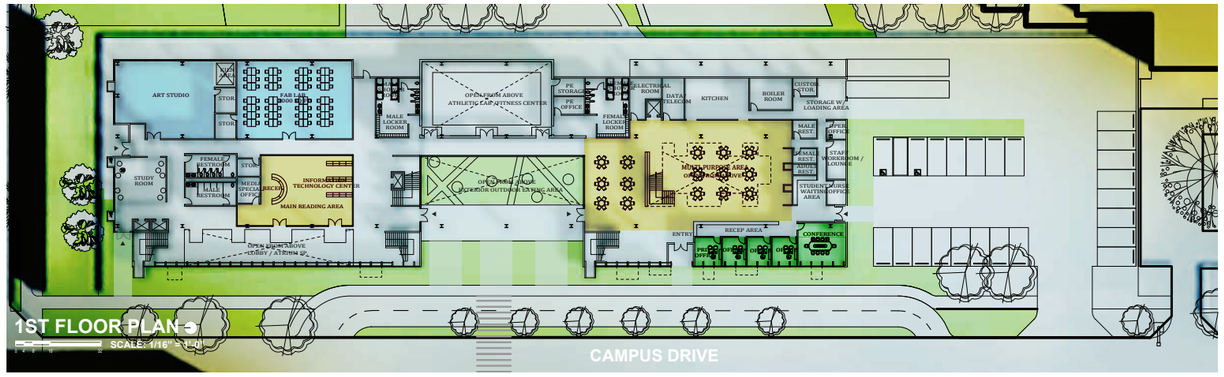
PROCESS MODEL III

PROCESS MODEL I

PROCESS MODEL II

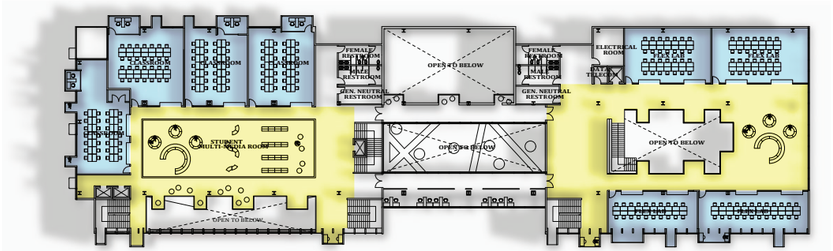
Two large internal light-filled 'courtyards' are the main organizing spaces, which are also the two most public spaces – the Information Technology Center (Student Multi Media Area) and the Multipurpose Room. These spaces will be used for congregation, learning opportunities, and the exchange of ideas.

The classrooms and labs surround these 2-story spaces and contribute to a dynamic environment. Consistent with themes about nature, the main structure of the building are glulam wood columns and beams. The material serves as a structural component of the building as well as sustainability aspect with integrated shading devices.



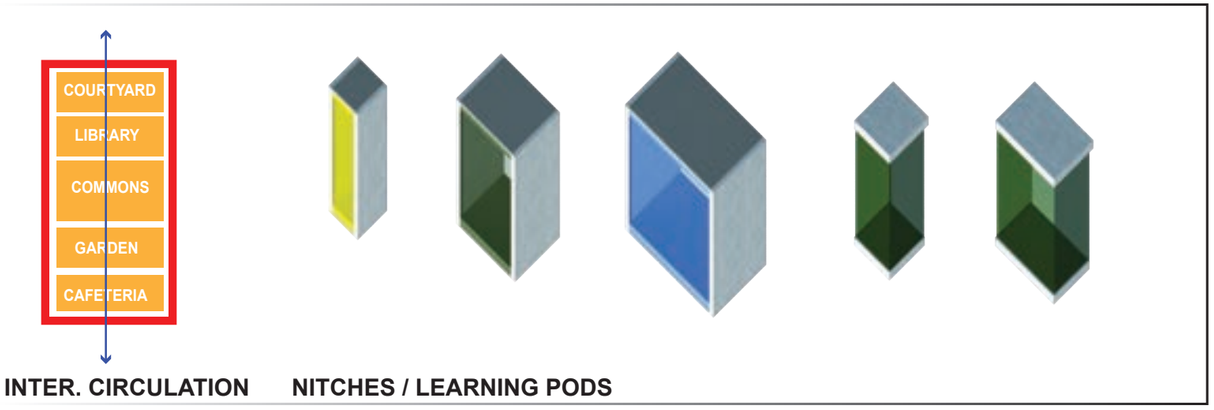
1ST FLOOR PLAN

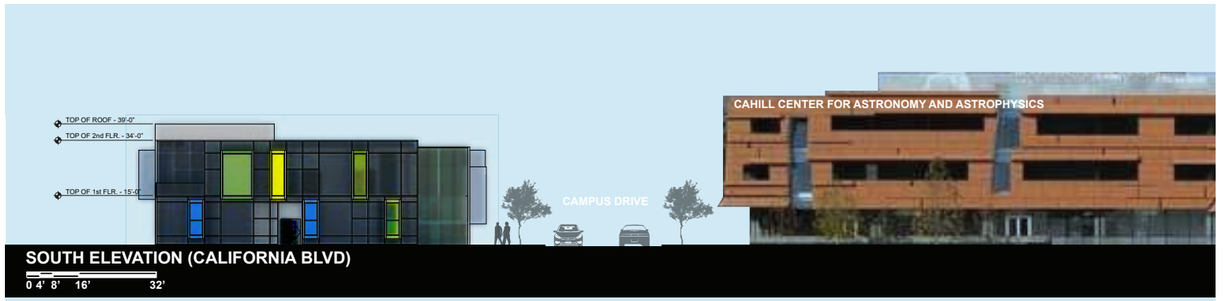
SCALE: 1/16" = 1'-0"

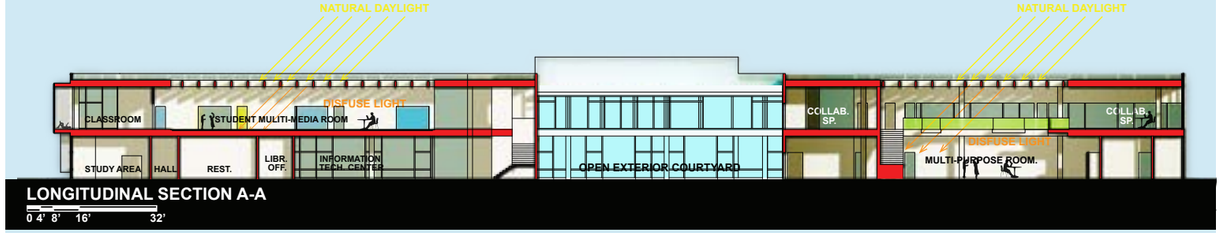


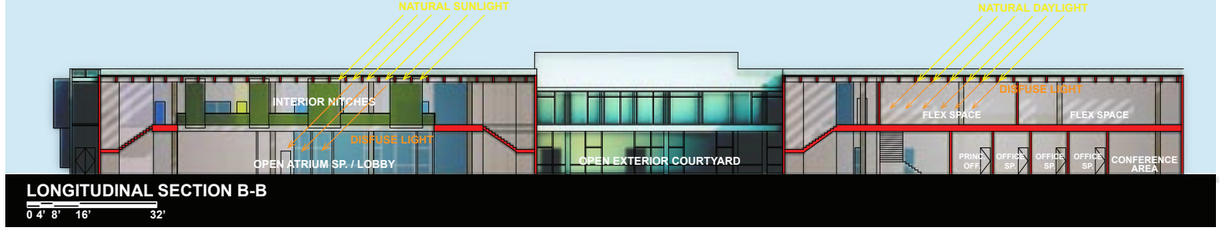
2ND FLOOR PLAN

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





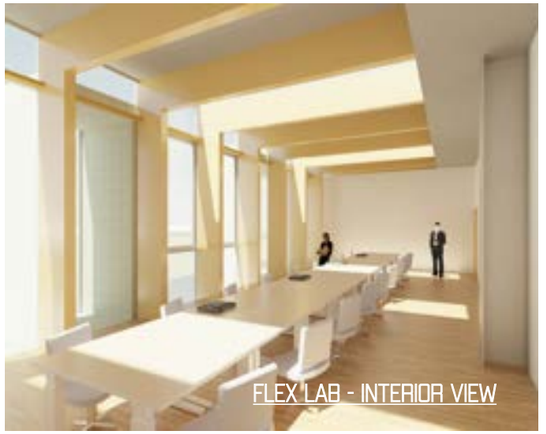




OPEN LOBBY/ ATRIUM SPACE - INTERIOR VIEW

STUDENT MULTI-MEDIA ROOM - INTERIOR VIEW

BRIDGE - INTERIOR VIEW



FLEX LAB - INTERIOR VIEW

Due to my own experiences, I realized that a student might occasionally want both privacy and social interaction. I treated different public and private areas with different kinds of natural light, like walking through a forest. Working from the inside-out; the design becomes more private. Individual study carrels are arranged on the outside surface for the most quiet study times. Thanks to special glass, a student can experience the natural light and views, but the public can't see into the study carrels.