

NICHOLAS
NORTHROP

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ENJOY IT

Table of Contents

Resume

Cover Letter

SLOcal Bakery and Apartment complex

PG&E Sustainable Education Center

Cal Poly President's Residence

Lisbon City Center Development

Waste Transformation Site

School for Visual and Performing Arts

Sketches

State Fair Winner

NICHOLAS

OBJECTIVE	Seeking an architectural internship position allowing for growth and utilization of skills in a professional work environment																
EDUCATION	<p>2007 - 2012 California Polytechnic University San Luis Obispo, Ca</p> <ul style="list-style-type: none"> - College of Architecture and Environmental Design - Architecture Major - Construction Management Minor - Sustainable Environment Minor - Fourth Year Status <p>2003 -2007 North Bakersfield Hightschool Bakersfield, Ca</p> <ul style="list-style-type: none"> - Associative Student Body President - Ranked 4th in graduating class 																
EXPERIENCE	<p>2011 fall - current BFGC - IBI Architecture Planning San Luis Obispo, Ca</p> <ul style="list-style-type: none"> - College of Architecture and Environmental Design - Architecture Major - Construction Management Minor - Sustainable Environment Minor - Fourth Year Status <p>2011 Summer Studied Abroad Lisbon, Portugal, and Barcelona, Spain</p> <ul style="list-style-type: none"> - Studied under College of City and Regional Planning - Worked as a group leader with ARCH, LARCH, and CRP majors - Worked with Portuguese Architects and City Planners for 6 weeks - Designed large scale residential, Commercial, and mixed use buildings 																
PROGRAMS	<table border="0"> <tr> <td>AutoCAD 2011</td> <td>Adobe CS5</td> </tr> <tr> <td></td> <td>Photoshop</td> </tr> <tr> <td>Revit Architecture 2011</td> <td>Indesign</td> </tr> <tr> <td></td> <td>Illustrator</td> </tr> <tr> <td>Google Sketchup 8.0</td> <td>Microsoft Office Suite 2011</td> </tr> <tr> <td></td> <td>Word</td> </tr> <tr> <td>3D Studio Max</td> <td>Powerpoint</td> </tr> <tr> <td></td> <td>Excell</td> </tr> </table>	AutoCAD 2011	Adobe CS5		Photoshop	Revit Architecture 2011	Indesign		Illustrator	Google Sketchup 8.0	Microsoft Office Suite 2011		Word	3D Studio Max	Powerpoint		Excell
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Google Sketchup 8.0	Microsoft Office Suite 2011																
	Word																
3D Studio Max	Powerpoint																
	Excell																
AWARDS	<p>California State Fair - Industrial Technology Education</p> <p>2006 First Place (Graphic Design using Revit Architecture)</p> <p>2005 Runner Up (Graphic Design using AutoCAD)</p>																

NORTHROP

February 13, 2012

Cesar Torres Bustamante
Bd 005 Rm 308
1 Grand Ave
San Luis Obispo, Ca 93407

Dear Cesar,

I am a fourth year Architecture student at Cal Poly with a Minor in Construction Management and Sustainability. Your firm is well known in the area for efficiency in design build and sustainable strategies. I am currently in an interdisciplinary studio at school where I work together with construction management and architectural engineering students. I am the lead architect in my group and I plan to apply the same considerations for design as I have seen in This is my first time working with students other than Landscape Architecture and City Planning, so I will have worked and studied with every discipline in my college. This kind of holistic learning is what I look forward to applying to real world projects. Working for your firm will allow me to learn the inner workings of Design Build so I can strengthen my skills and understanding as an Architect

I am proficient in Revit, Sketchup, and other 3D modeling programs. I have hand drawing skills and experience working in an architecture firm. I did drawing for BFGC in San Luis Obispo, and project file organization. I feel would make a good addition to your staff, because I am interested in the same strategies and values your firm has to offer. Not only that, but I can back up my interests in Sustainable Design Build projects with my experience and education.

In highschool, i had many achievement that have helped me become who i am today. I was class president my freshman, sophomore, and junior year. My senior year, i was the Student Body President and a part of numerous leadership programs around bakersfield including: Dream Builders, Ford Dimension, Habitat for Humanity, Hugh Obrien Youth Leadership. On top of leadership i was also involved in drafting and graphic design programs. My junior year, I won the California State Fair for Industrial Technology Education. My submittal was a residential bar/lounge entitled enjoy life. This accomplishment and leadership experience made me want to become the best architect i can be.

Sincerely,

Nicholas Northrop

references available on request

SLOcal Bakery and Apartment Complex

Corner of Foothill Blvd and Chorro St
San Luis Obispo, California

Revit Architecture

This project was about mixing architecture with and commercial programming, to establish a relationship between each function in one cohesive design

I saw the site as a great location for a local social hub. It is on a busy corner close to student housing and Cal Poly campus. My concept was to establish a sustainable social gathering area which appeals to the local aesthetic and draws the community together

I chose to focus on integrating sustainable strategies such as orientation, Photovoltaics, cross ventilation, and green roofs. The building is large so it needs more consideration in designing efficient functional spaces.



Southwest



Street View

Entrance



First Floor

Apartments



Second Floor

Covered Patio



Site Plan

Bakery

PG&E Sustainability Education Center

Corner of Marsh and Santa Rosa
San Luis Obispo, California
Revit Architecture



PG&E have been working towards education consumers on energy efficient technology and strategies. This project is a venue for educating children, students, local home owners, business owners, and other members of the community. The spaces should be functional and innovative when considering green design and the image of sustainability

I saw the building as an opportunity to expand my knowledge of sustainable strategies and systems integration. This was my first attempt at true green design so i experimented with green roofs, photovoltaic panels, photovoltaic glass, green screens, and open courtyard spaces. My concept was to create an image of the sustainable future without breaking from the local scale and style of the area.

I integrated Solar Panels with Photovoltaic glass over the courtyard space to take advantage of the suns rays, and Wind Turbines set up to capture the main North East wind. I also attempted to include innovative



First Floor



Model



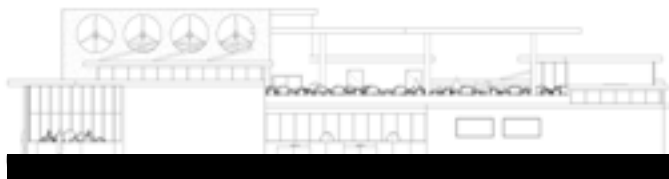
West Section



North Section



North



South

Open Deck

Computer Lab

Gallery and Tech Display

Courtyard

Lounge

Cal Poly Presidential Residence

South Cal Poly Campus
San Luis Obispo, California
Revit Architecture



Front of the house perspective



Our professor gave us the whole southwest portion of campus to choose any building for remodel or redesign. I chose the president's house because I wanted to work on programming for a social dwelling with high profile high income inhabitants.

Considering the President's role as a Leader, Fundraiser, and social representative for the University, I chose to focus on the social aspects of his home and how it would be used, viewed, and experienced by whomever may enter. I intended the design to create a new image for the iconic progressive face of Cal Poly.

The program includes spaces like a private study for one-on-one interviews with wealthy investors, and a pool house for guests or family who may get the privilege of staying the night.



Model



South Section



North Elevation



South Elevation

Interior Perspective



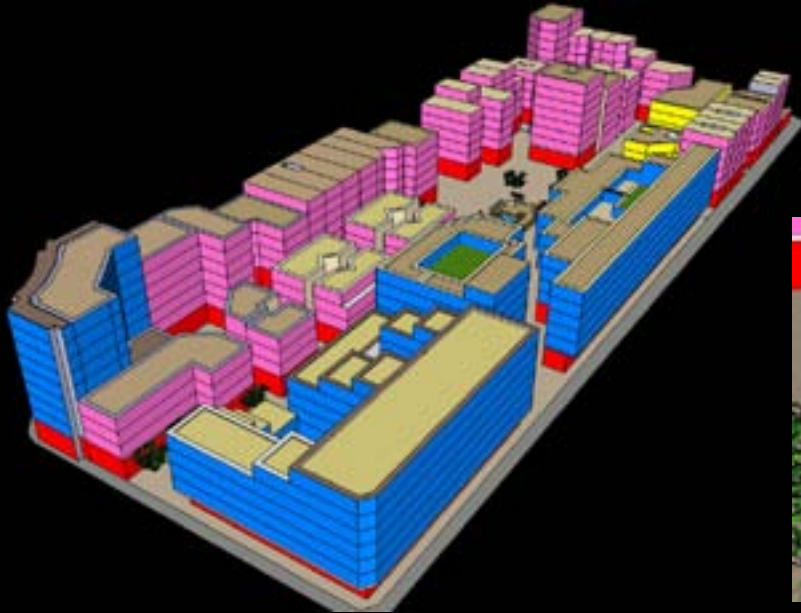
Kitchen

Great Room

First Floor

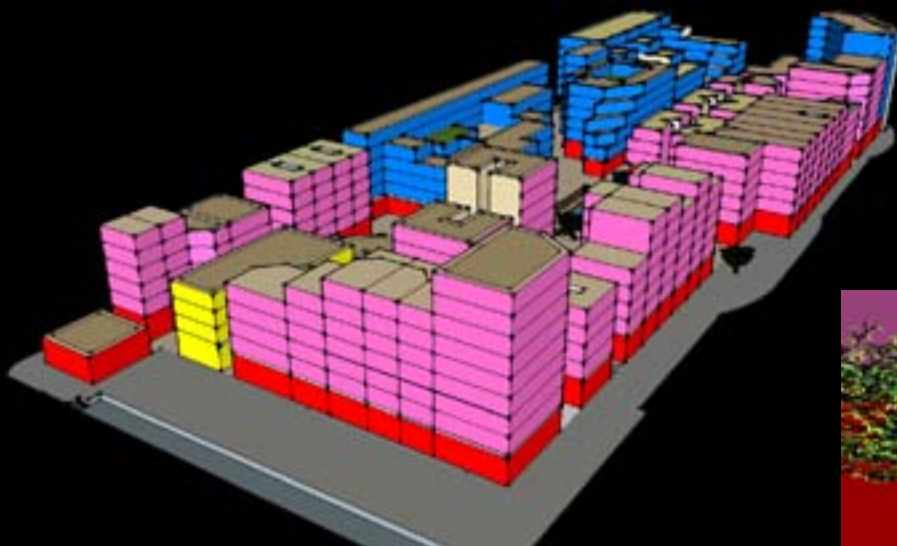
Lisbon City Center Redevelopment

Entre Campos, Lisbon, Portugal
Studied Urban Design with Universidad Lusofona
Google SketchUp

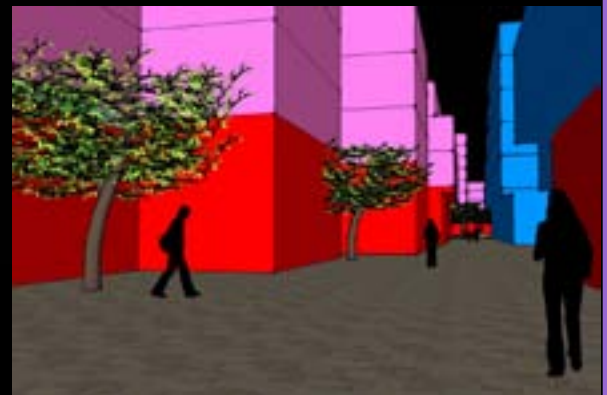


Special Feature

Northwest



Southeast



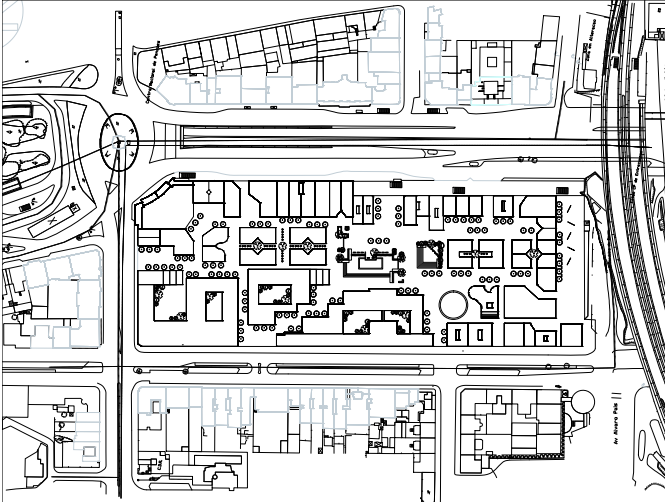
Main Entrance Passway

Mixed Residential

Mixed Residential

Mixed Commercial

Mixed Commercial



Site Plan

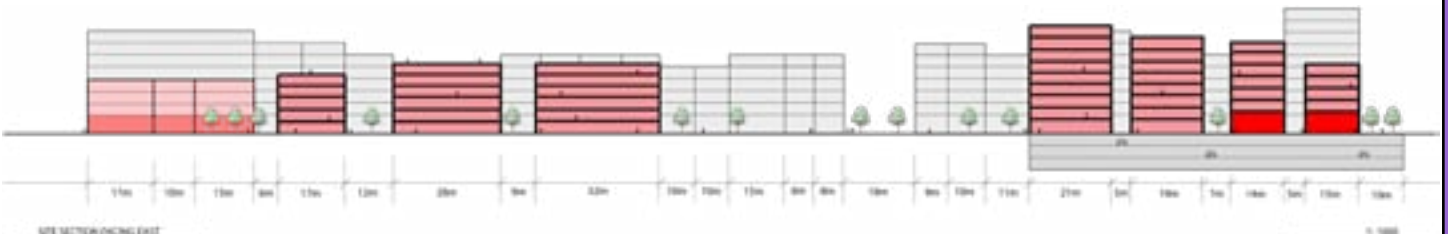


Site Perspective

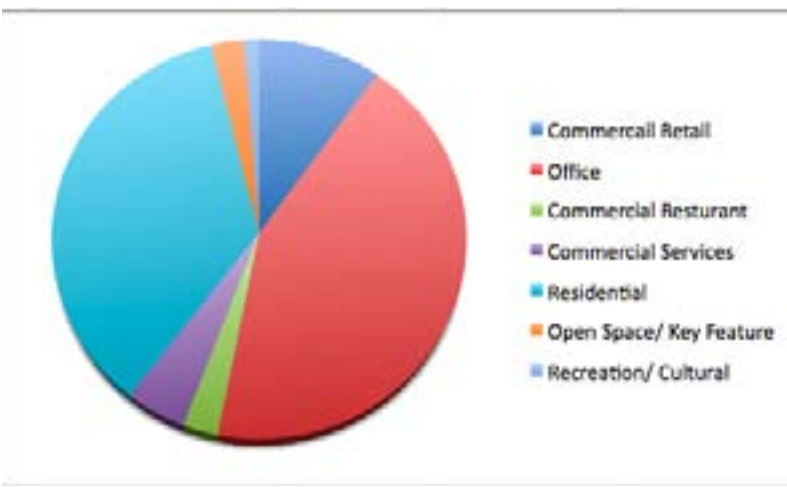
I studied abroad with City Planners and Landscape architectural students to gain knowledge of interdisciplinary relationships as well as broadened my horizons over seas. Our site was in the center of Lisbon's financial district. The purpose of the project was to find a way to design a large city block that fit contextually and aesthetically

Considering the location and surround, we had to figure out how to plan efficiently for residential, commercial, and office buildings to flow together as a series of connected spocases. My group consted of one city planning student, one landscape architecture student, and one local urban design student. I took the lead in design efforts as the Architect while working together with the other disclines to gain a better perspective on the project.

Our site was called Enre Lacos, which means Between Links in Portuguese. We decided to focus on bringing the community together in a space set between Lisbons rich history and its links to the future of the sight and modern development of the city.



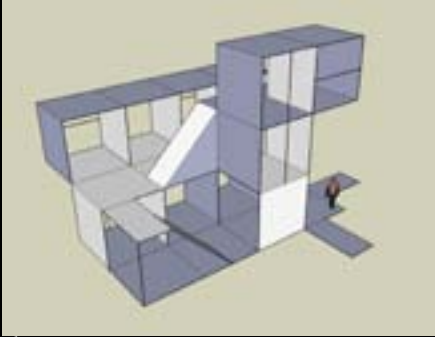
Site Section



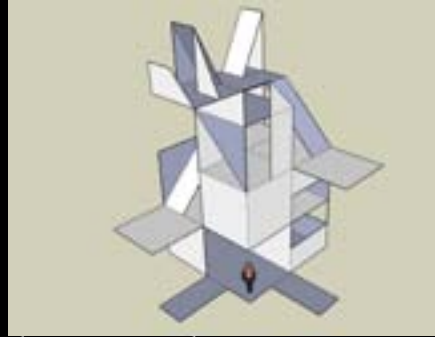
Total Area	
Total Developed Footprint Area	40,279.20 m ²
Total Developed Area	173,130.88 m ²
Total Undeveloped Area	31,200 m ²
Total Parking Required	2,238 Spaces
Total Area By Use	
Commercial Retail	12110.8
Office	52801.78
Commercial Resturant	3246.5
Commercial Services	5643.5
Residential	43674
Open Space/ Key Feature	3250
Recreation/ Cultural	1493.8

Waste Transformation Site

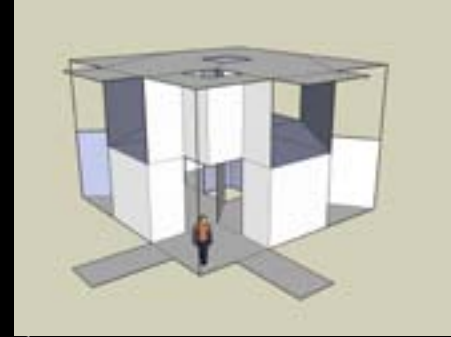
Albany Bulb
Bay Area, California
Google SketchUp



the organizer



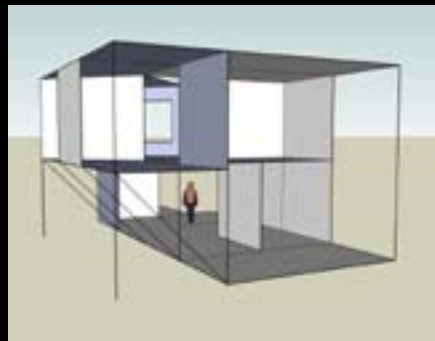
the intoxicated



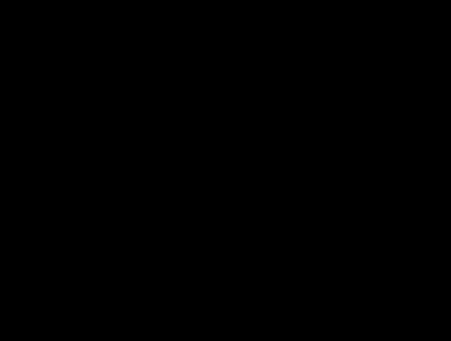
the nxious



the chameleon



the leader



the committed

the organizer

the organizer

Nuclear Power Plant
the antagonist

Each space was designed with specific occupants in mind....the homeless. They are the people who truly care about conservation and transformation when it comes to the bulb site. These buildings are more shelters and venues than they are offices or residencies. This follows the free flowing vagabond theme of the site

the organizer

The Albany Bulb is a landfill in the bay area, that was covered with dirt and to avoid the eyesore of waste in the bay, as well muffle any emissions produced by the trash and debris. Now local artists flock to the site to transform the trash into expressive works of art

The assignment was to redesign the bulb as a place that promoted change and awareness of environmental issues in some way. This was my first attempt at abstract large scale design.

Due to the relentless waste produced by our country and the impacts it has on our environment. I started to focus on what can be done to recycle or reuse the materials we have. My concept was to turn the Bulb into a waste transformation site. this means that all the trash or construction debris that is on the site and brought to the site can be transformed into art



School for Visual and Performance Arts

Santa Rosa Park, Highway 1 at Montalban
San Luis Obispo, California
Modeling and Hand Drawing



Window Detail

I used colorful window patterns with perforated aluminum screens to allow for adequate comfortable daylighting and an artistic aesthetic

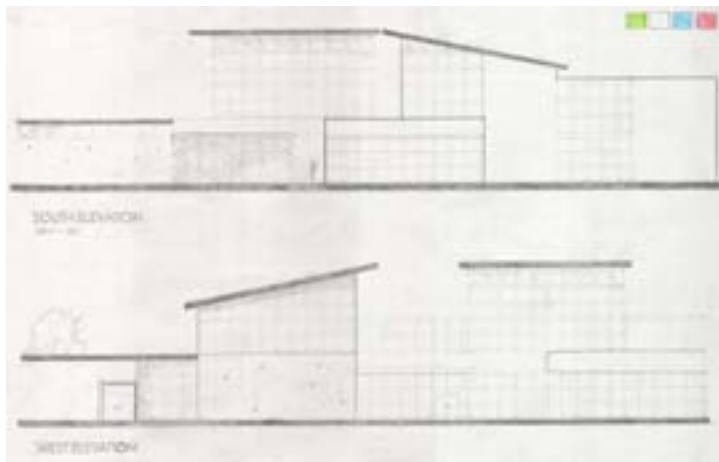


We were assigned to develop Santa Rosa park in a way that would bring more people and contribute to the community. therefore i chose to design an art school for people of all ages and levels.

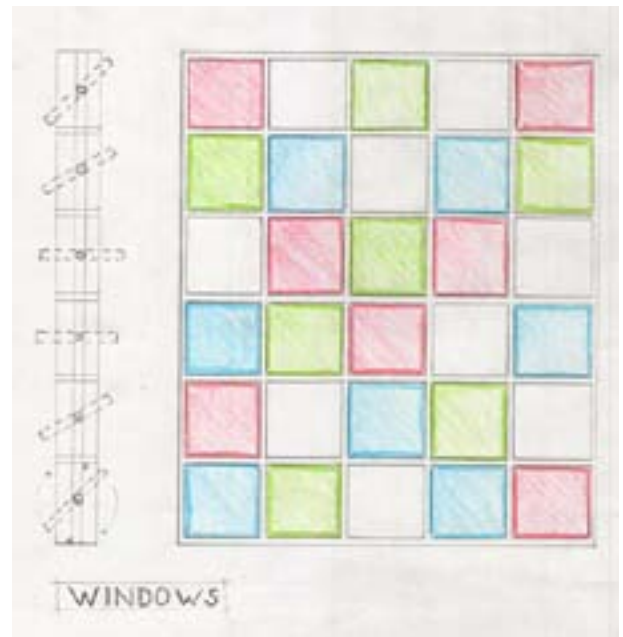
I chose to follow the main pedestrian cross traffic through the park to invite people through the space on a daily basis without having to enter the buidling. I believe everyone should be involved in art either through practice or experience



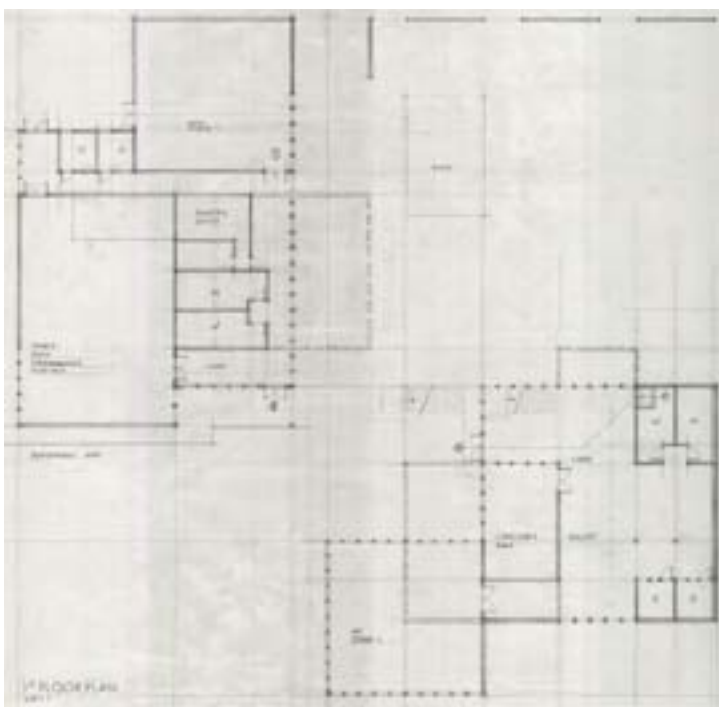
South Elevation



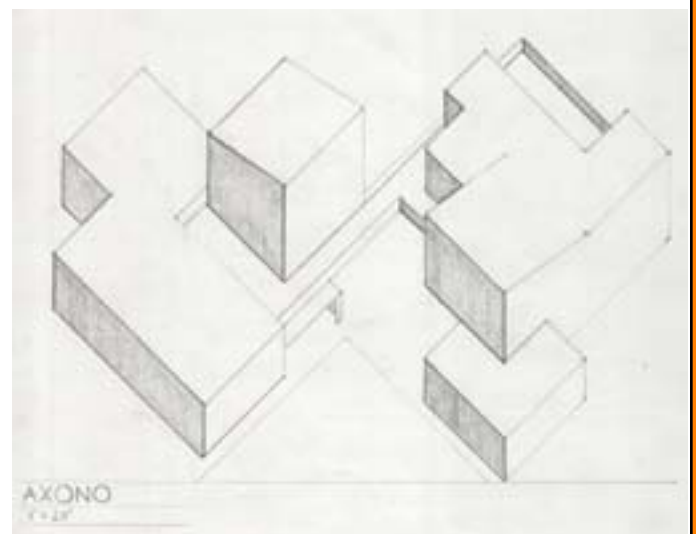
Elevation



Window Detail



First Floor Plan



Axonometric Perspective



Cal Poly University Union stage cover

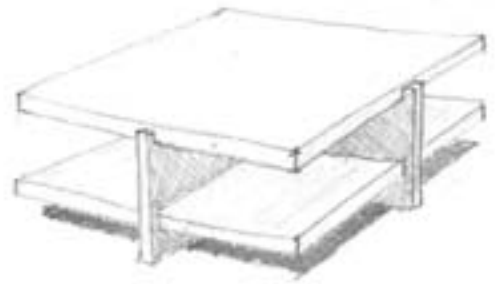


Table designed by Frank Lloyd Wright



Cheng Park



San Luis History Center



Local San Luis Obispo Wright design



I learned how to use Revit Shortly after learning AutoCAD my Sophomore year of high school. My teacher noticed that I took to the program very quickly and creatively, so he submitted one of my interior renderings to the California State Fair for Industrial Technology Design. I won first prize with cash, a blue ribbon, and the confidence to set my sights on architecture as my future.