

LOBAS ARCHITECTS
ACADEMIC DESIGN MONOGRAPH

Academic Monograph

Selected Works by Students &
Watercolor Sketches by Prof. Lobas
2000-2018

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Current States: CO, UT, NY, FL, TX, OH
LEED Accredited Professional

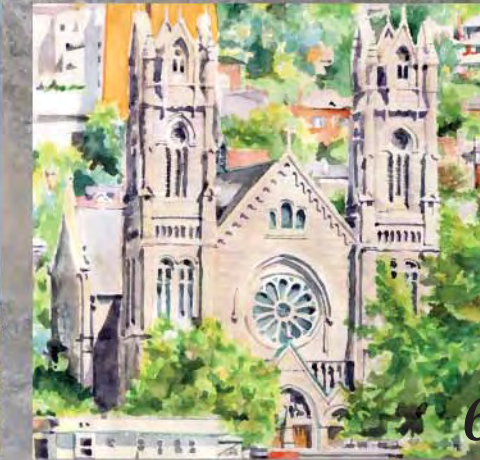
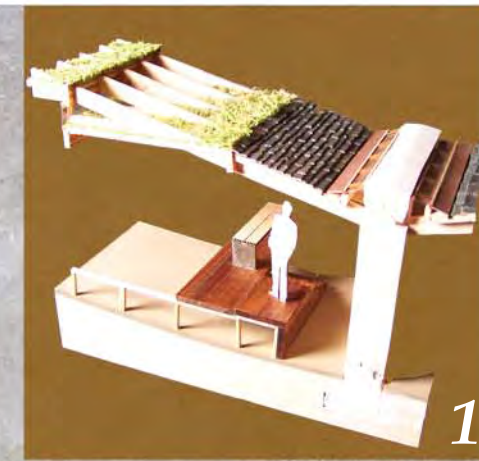
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LOBAS ARCHITECTS has, since the firm's inception, always maintained a dedication towards fostering and cultivating the growth of the next generation of Designers and Architects. Initially, Christopher Lobas took roles of mentor, guide, and senior designer while under the auspices of other firms, training younger members of these firms while delegating tasks of design and detailing.

While in Colorado, he taught at two colleges concurrently, and later expanded his teaching experiences to include five states and two countries. As the practice expands, nearly twenty young designers have arrived at the firm. Some have become permanent reliable team members, while others have used knowledge gained here as a launching pad for other endeavors.

This academic monograph includes design work from students, and selected watercolor sketches made in the field by Professor Lobas.

1. University of Utah - *Salt Lake City, Utah*
2. State University of New York - *Delhi, New York*
3. Kent State University - *Kent, Ohio (Two Pages)*
4. The University of the Bahamas (formerly *The College of the Bahamas*)
Nassau, New Providence, The Bahamas
5. Texas College System - *Central Texas*
6. Artwork - *The United States of America*
7. Artwork - *Europe*
8. Artwork - *The Middle East*
9. Artwork - *Asia*



University of Utah

2007-2008: Fourth Year Design and Graduate Level Design (Capstone)

Mortuary Chapel Complex:

Architectural Design – 4th Year / Graduate – ARCH 4011 / 6011

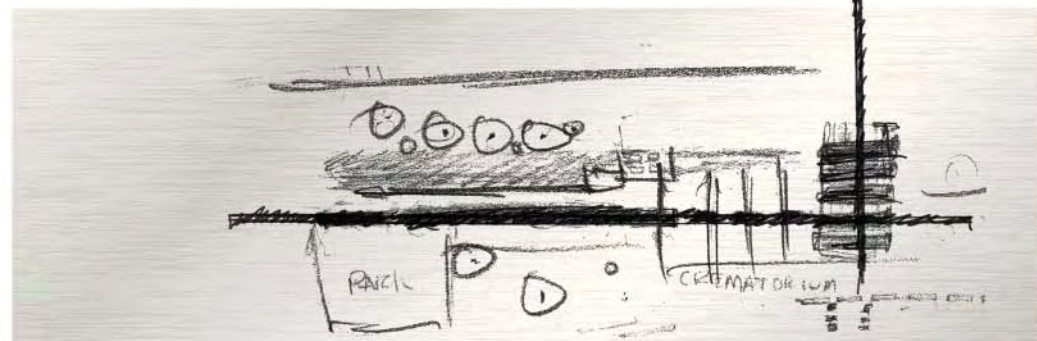
This studio experience was a single, comprehensive project: A mortuary chapel complex with associated crematorium and columbarium. The program for the complex was expanded and articulated by students each in his or her own way. The major elements included were: three chapels, each accommodating various size services; two exterior spaces to house outdoor services in good weather; a bell tower; a columbarium to hold the urns or boxes of ashes; and cremation facilities.

In my studio, students performed extensive site analyses and precedent studies, including in-class seminar discussions from the site "Sacred Destinations." Design development was stressed, as integrated documents and models were required for this capstone course. Students submitted a full design development set, presentation documents, models of the project in its entirety, and large scale models of crucial construction details.

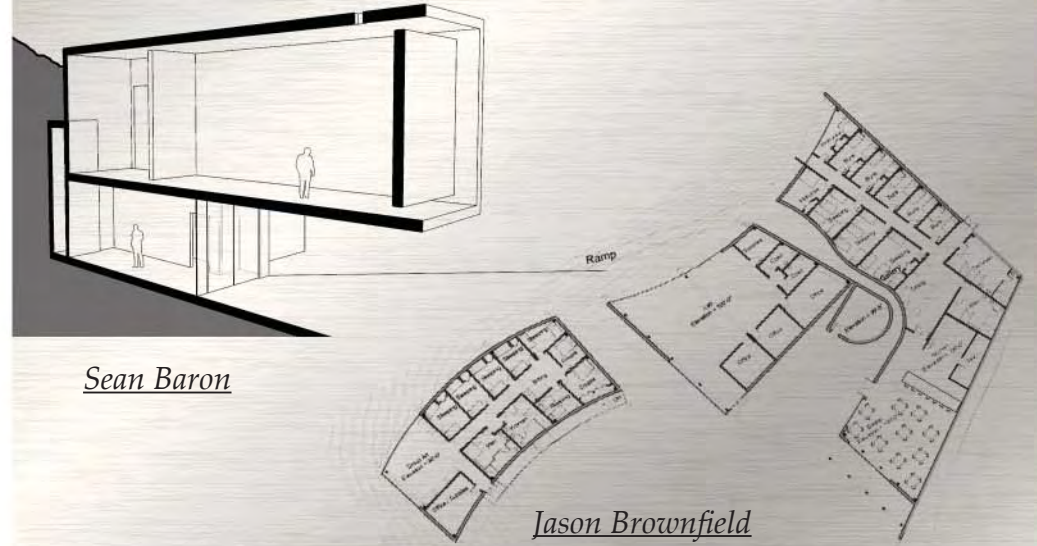
Entrada Field Station:

Architectural Design – 4th Year – ARCH 4010

The Entrada Field Station project stressed an environmental and material ethic. It was envisioned as a place where students and faculty could carry out field research, conduct field-based classes in sciences and engineering, or hold workshops and in-residence programs for writers and artists. Field based work implied the majority of time at the station would be spent working in the environment and very little time within the quarters of the buildings themselves. Therefore, a strong connection between landscape and buildings needed to be maintained. In addition, the project was envisioned as a low impact, sustainable intervention that could utilize passive systems and respond to the regional environment, climate, and sun exposure.

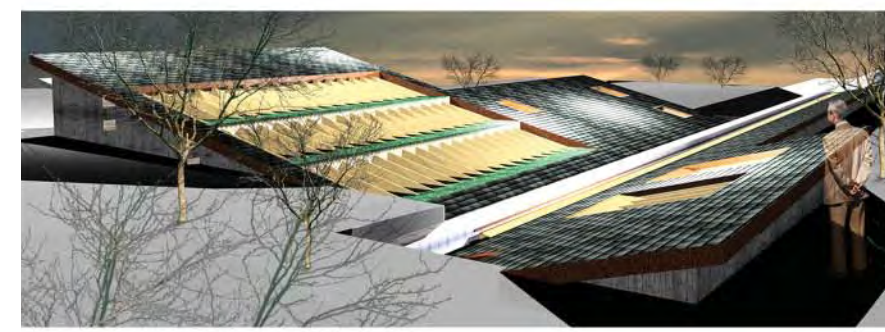


Brian Derrick



Sean Baron

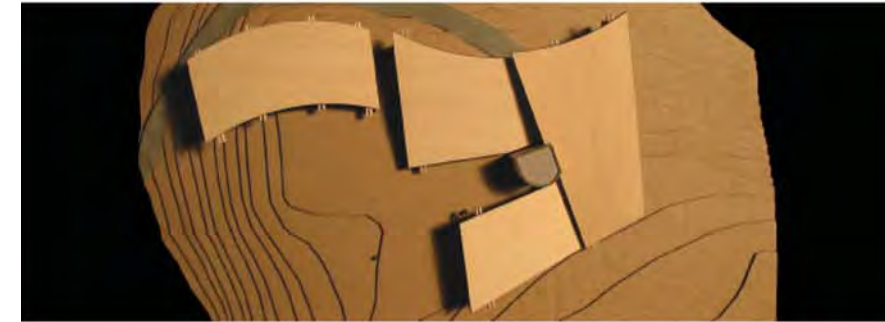
Jason Brownfield



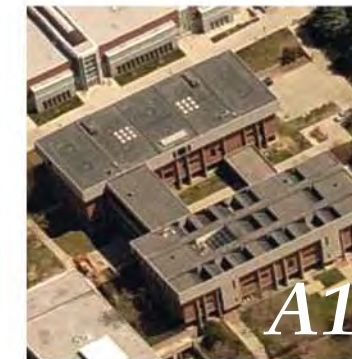
Brian Derrick



Sean Baron



Jason Brownfield



State University of New York

2008-2009 Architectural Design, Digital Design, and Portfolio Presentation

High-Tech Laboratory Design

Architectural Design - 3rd Year - ARCH 370

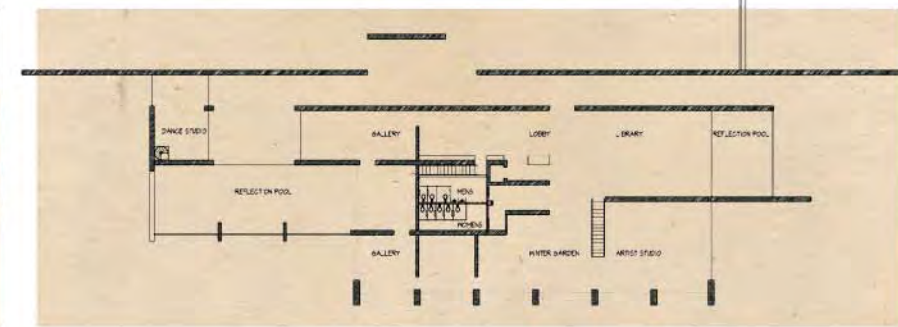
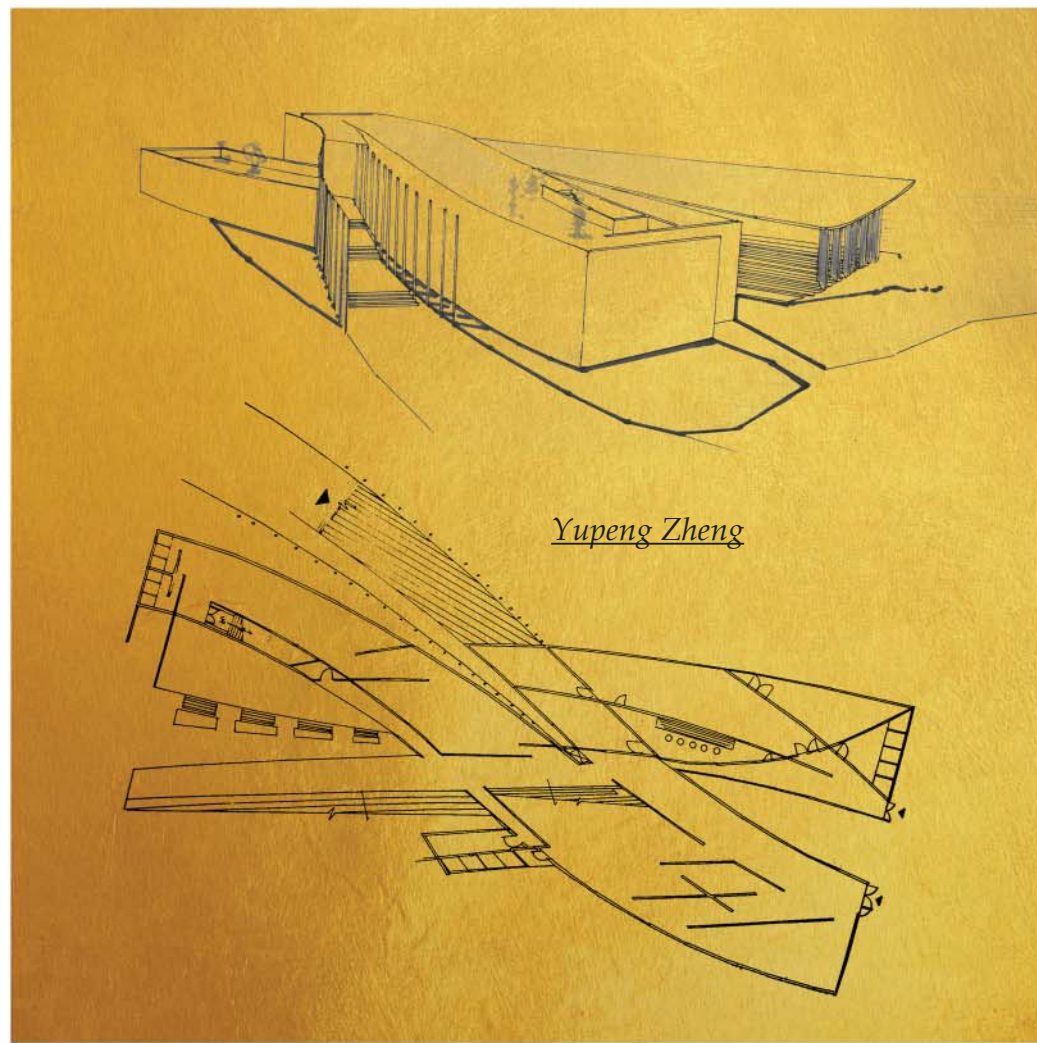
Students were entrusted with the design of a laboratory facility for a private corporation on a site in suburban Albany near the Albany airport. Ten distinct lab programs were developed by students, and these students were paired to facilitate research. The labs included physics laboratories, medical laboratories, materials testing laboratories, and applied technologies laboratories.

Students were responsible for researching, expanding, and articulating their three-story programs for their specific assigned area of expertise. They also collaborated with an expert from the field to which they were each assigned, in order to get a more accurate idea of the systems and spaces required.

Master Plan for Wilderness Education Center

Architectural Design - 3rd Year - ARCH 370

This studio experience was a Master Planning exercise for an outdoor education school in Cherry Valley, New York: the Hawk Circle Wilderness Education School. Students were expected to each develop a Master Plan and building solutions for six new buildings on the site. Each building had very specific requirements which were the baselines for the evaluation of their work, aesthetically, functionally, and structurally. The wilderness school requested green designs for their architectural program. The students designed not only sustainable buildings, but sites, with circulation, shared spaces, and land use all considered carefully. The spaces designed for human occupants were thus respectful of the surrounding forests, wetlands, meadows, and streams. The owner is a non-for-profit agency, and truly benefited from the student work as an act of service to the community, representing not just a piece in the student portfolio, but a tangible point of beginning for the Hawk Circle planning process.



Kent State University

Fall 2009: Second Year Design and Fourth Year Design

Stan Hywet Site - Biophyllic Greenhouse

ARCHITECTURAL DESIGN - 2nd YEAR

SITE: Stan Hywet Hall and Gardens

GOAL: To create a new form of greenhouse appropriate for new technologies available to grow plants faster and with less energy.

PROJECT: A pavilion and research institution that creates a new aesthetic and functional dynamic on the grounds of the Stan Hywet Hall and Gardens. Conservatory, conference rooms, laboratories and offices for intense study and research were all provided for the institute, and educational and recreational facilities were provided for guests.

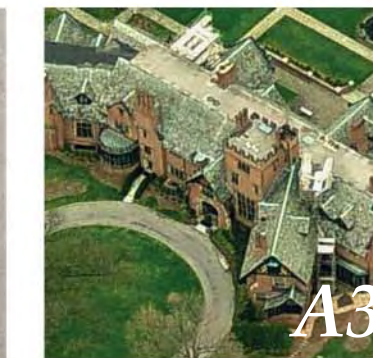
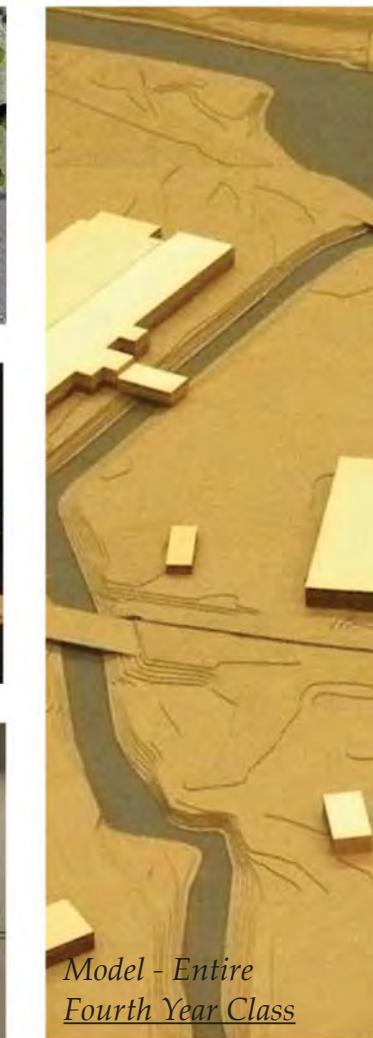
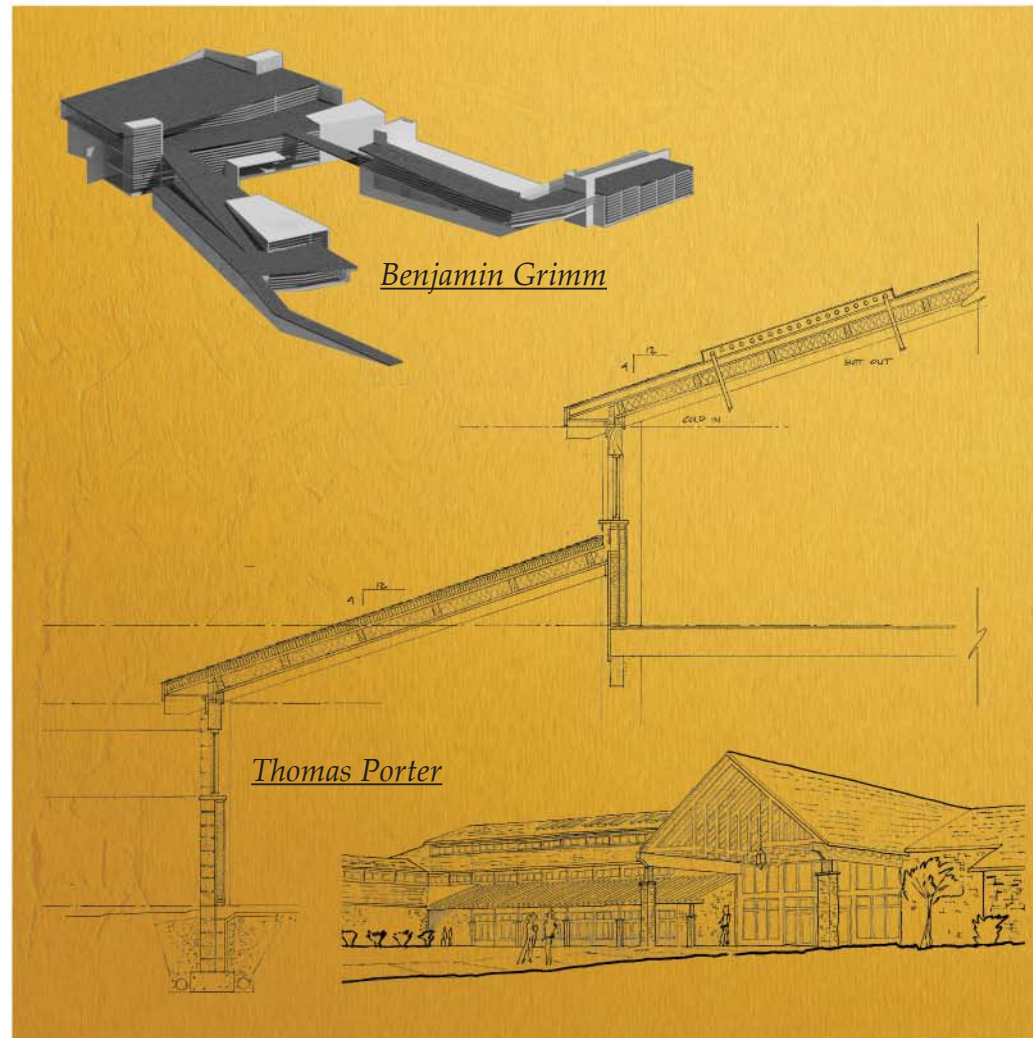
Cuyahoga Confluence Research Complex

ARCHITECTURAL DESIGN - 2nd YEAR

SITE: West Creek | Cuyahoga River Confluence and Surrounding Environs

GOAL: To create a sustainable building(s) and amenities that both accentuate our site as natural setting and complement the urban community, a home to families, businesses, and industries.

PROJECT: Research and education complex for ecology and planning professionals, university students, and secondary magnet school students. Associated living accommodations and guest facilities. Project type departures granted with instructor approval.



Kent State University

(continued)

Spring 2010: Fourth Year Design
(Integrated Design Competition)

Baltimore Inner Harbor Tower

Integrated Design Competition – 4th Year - ARCH 40102

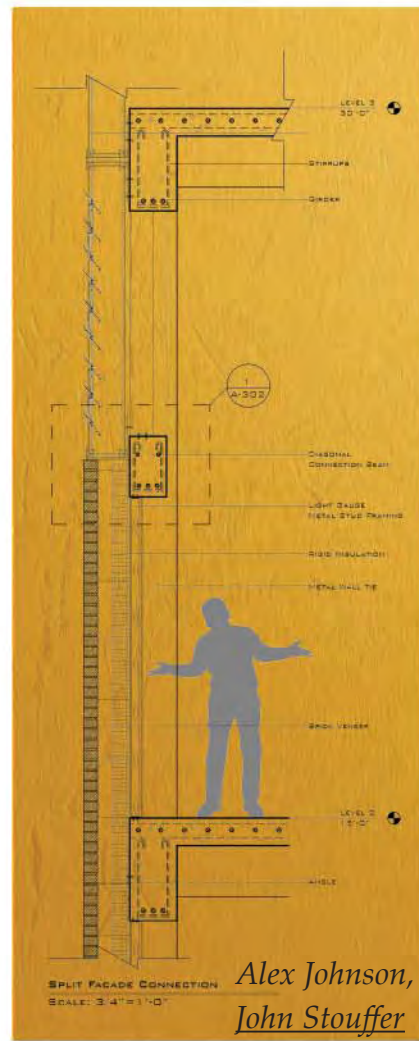
This project is a capstone, as it comprehensively builds upon all courses that have come before. Students at this level are prepared to synthesize all previous coursework, as they undertake site design, building design, the composition of structural systems and building envelopes, the assembly of well-considered environmental systems, and the selection and correct construction of building materials and assemblies. All these must be integrated on three levels, as described by Leonard M. Bachman in his book *Integrated Buildings*:

Physical Integration – how components and systems share space

Visual Integration – how individual elements share expressive qualities to form a total built image

Performance Integration – how components share functional mandates.

The design for the course was a mixed-use multi-story tower in Baltimore's inner harbor, in the Pratt Street area, which had been slated for an urban redesign. The building was to be a primary "placemaker" development.



The University of The Bahamas

2010-2011 Architectural Graphics and Architectural Design

Graphics Models and Drawings

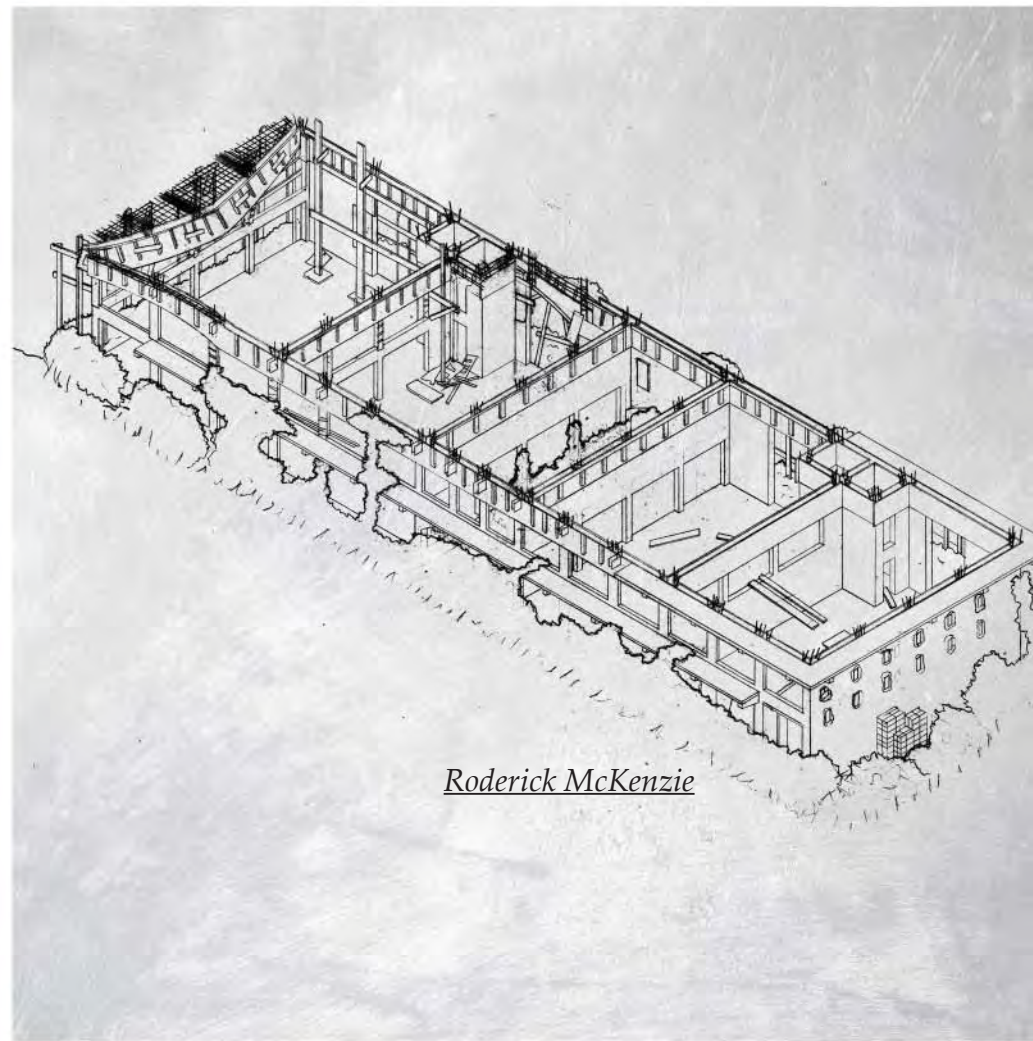
Students in The College of The Bahamas relish architectural model building, including models built by hand and with a computer. For my Architectural Graphics I course, students began the course with a simple Greek temple, the Treasury of Athens at Delphi. They advanced to build all the structures at the Acropolis, and many of those surrounding in the Roman Forum as well. They finished the course with modern church structures. Students in Engineering Graphics modeled a wide array of real and fantastic constructions.

Plaza Resurrection Project

This graphics course was woven together with a theme: to resurrect a Bahamian building that was abandoned halfway through its construction. It was constructed of concrete and concrete block, not unlike most buildings on the island. The building was originally intended to be a mixed-use, with shops below and apartments above. Students were required to create forty rough detail sketches on site, accurate analytical drawings, and a model depicting the building in its current state of dilapidation. The final assignment was to use these drawings as a base, and with layers of trace and vellum, design something transformative and new, in effect resurrecting the place. Students each constructed a final model to reveal their new design also.

Campus Models - Physical and Digital

Students in Architectural Design courses acquired digital models of a number of campus buildings from various sources, which were painstakingly assembled in their final form and rendered by their professor on the site model depicted here. A number of student volunteers also gave numerous days of measuring and verifying towards these ends. Leonardo Simms gave an especially heroic effort to the project.



Texas College System

2013-2015: Architectural Graphics, Architectural Design, Digital Design

Architectural Designs and Models

Architectural Design - First and Second Year Students

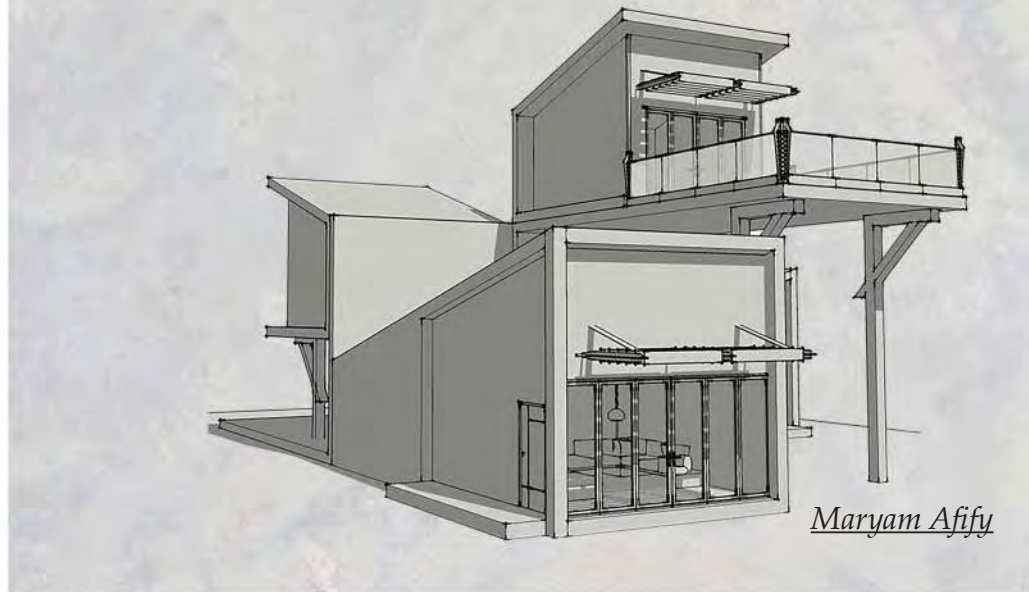
The abstract geometric structure represents the first project, an assembly of cardboard cards. The cards were limited in supply, and certain rules applied to their assembly. Bending and cutting of these elements are permitted, but not dissection or wholesale destruction. These limitations on the project made for a response of inventive thinking, and several unusual, unexpected design solutions.

Final projects for a pivotal course in the Architectural Design sequence are also included. These are the outstanding projects for a City Visitor's Center for a local municipality. Students were required to design the projects using all means available, including freehand, and present them with digital techniques. Students were boundless in their stylistic creativity on this project, composing classical, modern, postmodern and radically deconstructive solutions. They produced designs, generally, at an appreciably higher level of craft than earlier in the semester.

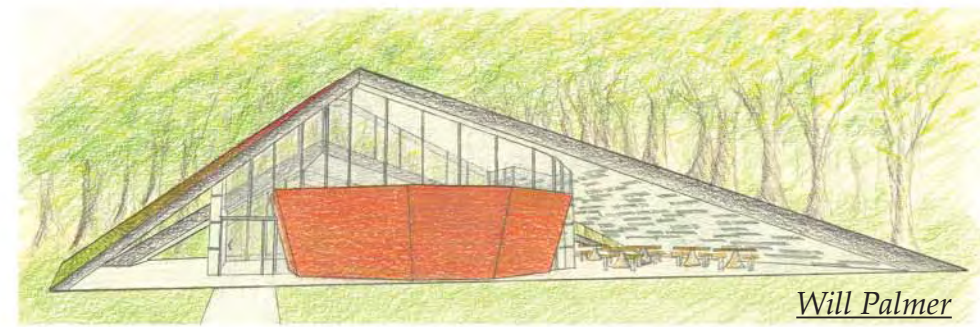
For our Digital Design course, students modeled various existing sites and buildings in the first half of the semester, and in the latter half created a system of modular components and used them to compose various residential and commercial designs. The modular nature of the projects lent itself towards swift manipulation and assembly using digital modeling software.



Marcela Peña



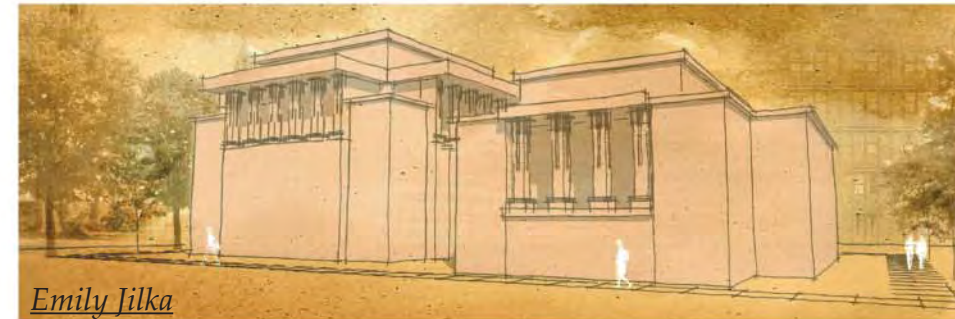
Maryam Afify



Will Palmer



Cecily Ketchum



Emily Jilka



Group Project



Will Palmer



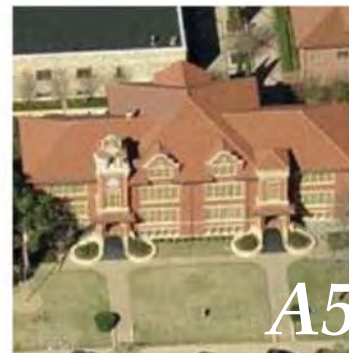
Mari-Anne Herndon



Group Project



Hsing-Chieh Chou



Artwork - The United States of America

- 1** Palace of Fine Arts
Bernard Maybeck, Architect
San Francisco, California
1915
- 2** Cathedral of Saint Mary of the Assumption
Pietro Belluschi, Architect
Pier Luigi Nervi, Structural Engineer
San Francisco, California
1967-1971
- 3** Boulder Flatirons Mountain Formations
Conglomerate sandstone, 290 million years old
Tilted to current position, 40-80 million years ago
Boulder, Colorado
- 4** Saint John Vianney Theological Seminary
John James Huddart, Architect
Denver, Colorado
1907
- 5** Mission Dolores
Adobe Mission - 1776 :: Basilica - 1918
Architects: Frank T. Shea and John O. Lofquist
San Francisco, California
- 6** Jay Pritzker Pavilion
Frank Gehry, Architect
Chicago, Illinois
2004



Artwork - Europe

1 Basilica Santo Spirito
Fillipo Brunelleschi, Architect
Florence, Italy
1487

2 The Goetheanum
Rudolph Steiner, Architect
Dornach, Switzerland
1924-1928

3 The Parthenon
Phidias, Director and Sculptor
Architects: Ictinos and Callicrates
The Acropolis, Athens, Greece
447-432 BC

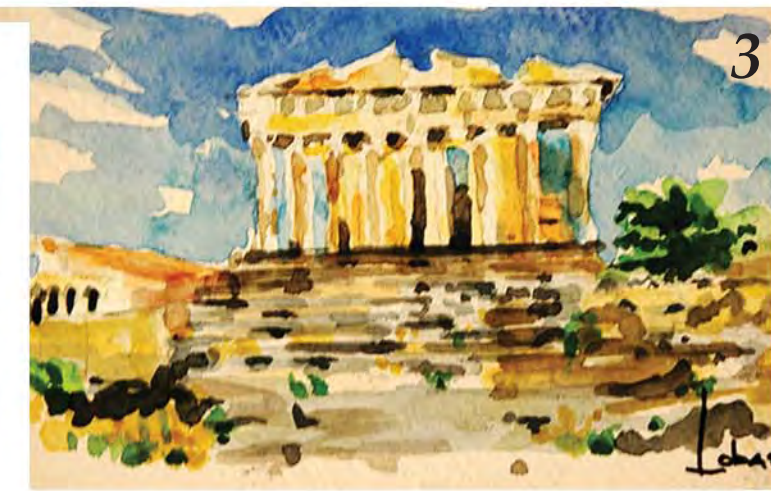
4 The Pazzi Chapel
Fillipo Brunelleschi, Architect
Florence, Italy
1442-1443

5 Basilica di San Marco
Domenico I Contarini, Architect
Venice, Italy
978-1092

6 Notre Dame du Haut
Le Corbusier, Architect
(Charles-Édouard Jeanneret)
Ronchamp, France
1954

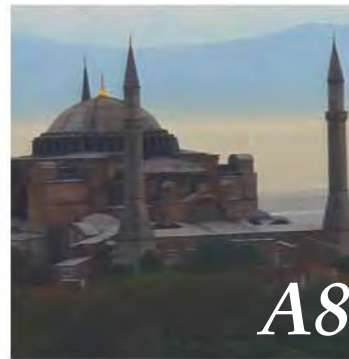
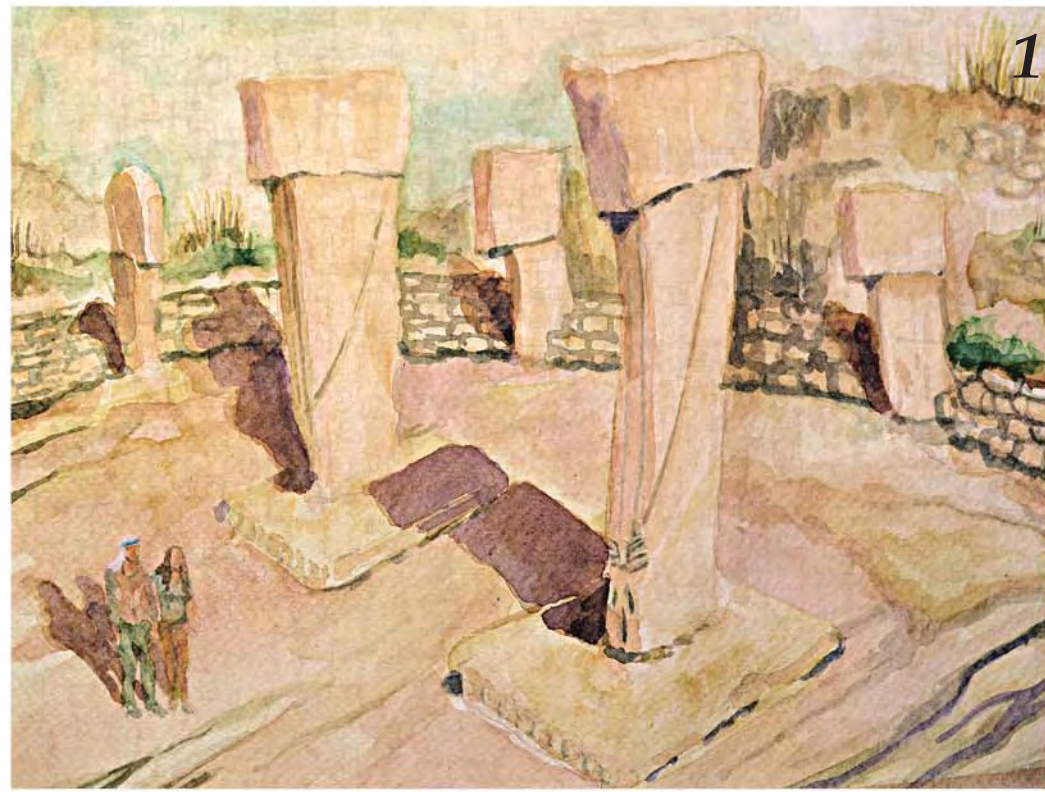


Brunelleschi was the first to depict linear perspective effectively. He composed this interior drawing of Santo Spirito in 1428.



Artwork - The Middle East

- 1** Göbekli Tepe
Primordial hunter-gatherers
Şanlıurfa, Turkey
10th millennium BC (nearly 12,000 years ago)
- 2** Tomb of Zeynel Bey
Hasankeyf, Turkey, opposite the Tigris River
14th Century
- 3** Djeser-Djeseru - Mortuary Temple of Hatshepsut
Senenmut, Architect
Deir el Bahari cliffs, near the Valley of the Kings
near Luxor, Egypt
1479-1458 BC
- 4** Göbekli Tepe - Individual Pillar
Şanlıurfa, Turkey
- 5** Great Mosque, West Arcade of Courtyard
Diyarbakir, Turkey
1091 Adapted from extant church
- 6** Mosque of Ibn Tulun
Cairo, Egypt
876-879
- 7** Ram Sphinx, from Avenue
Luxor, Egypt
14th to 5th centuries BC
- 8** Ramesseum, Mortuary Temple of Ramses II
Theban Necropolis, near Luxor, Egypt
13th century BC



Artwork - Asia

1 Buddha Statue
University of Bangkok, Thailand

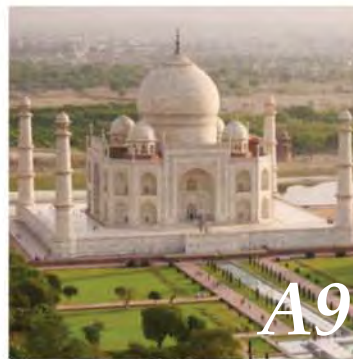
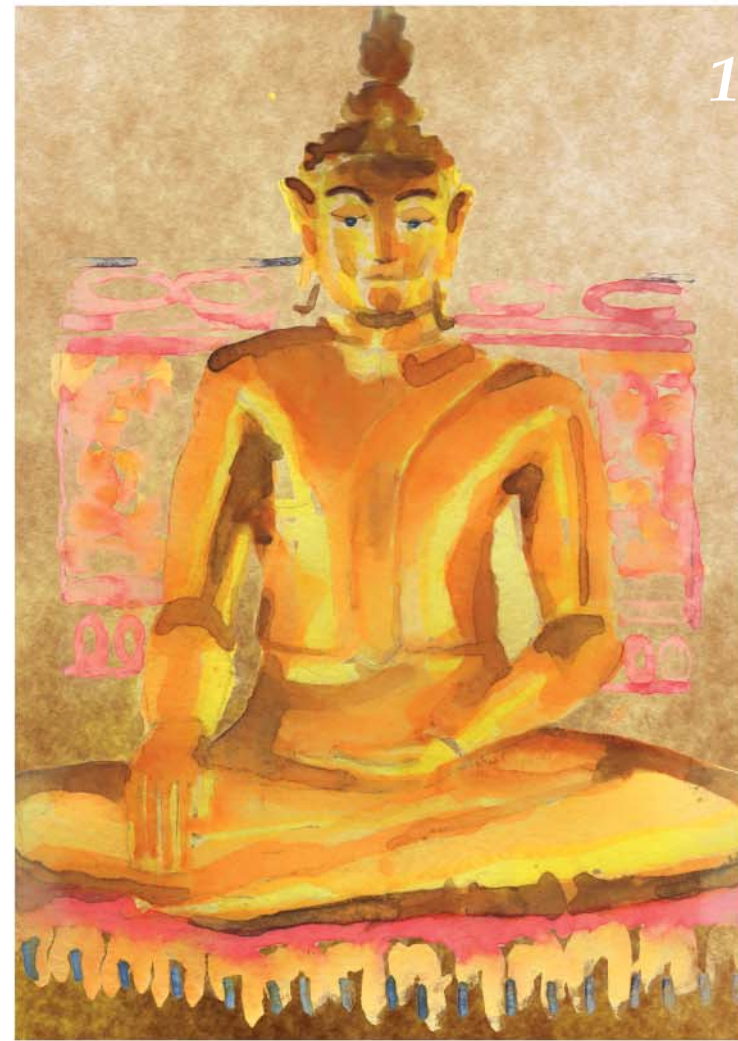
2 Angkor Wat
Started by Suryavarman II
Completed by Jayavarman VII
Angkor, Cambodia
12th Century

3 Wat Benchamabophit Dusitvanaram
Prince Naris, Founder
Bangkok, Thailand
1911

4 Leheriya Gate, Pritam Chowk, City Palace
Vidyadar Bhattacharya, Chief Architect
Sir Samuel Swinton Jacob, Associate Architect
Jaipur, India
1729-1732

5 The Great Stupa
Emperor Ashoka, Founder
Sanchi Town, Madhya Pradesh, India
3rd century BC

6 Kandariya Mahadeva Temple
Vidyadhara, Chandela King, Founder
Khajuraho, Madhya Pradesh, India
1030 AD



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