ALFRED CHAPEL
DESIGN FUNDAMENTALS 2: SPRING 2009

DESIGN REQUIREMENTS
Entrance/Narthex, Sanctuary with a lectern, altar, seating for 120, and chaplain's office

ONE POINT PERSPECTIVE
COLORED PENCIL HAND RENDERING
FLOOR PLANS
HAND DRAFTED

DESIGN SOLUTION:
A NARTHEX AT THE ENTRANCE FOR SOCIALIZING, TOILET ROOM AND CHAPLAIN'S OFFICE OFF THE NARTHEX. OPEN SANCTUARY, WITH CATHEDRAL CEILING AND CLERESTORY WINDOWS. LARGE GLASS WINDOWS FOR NATURAL LIGHT FOCUSING ON THE ALTAR.

STRATHMORE HAND CUT MODEL
DREAM CABIN

PROJECT REQUIREMENTS:
- Located on 30' x 30' square, kitchen area, living area, bathroom, master bedroom, and loft accessible by stairs.
- Sloped roof with dormer.

DESIGN SOLUTION:
- First floor and basement, with loft. Master bedroom in basement, kitchen and living area located on first floor.

COMPUTER GENERATED MODEL, REVIT ARCHITECTURE

REVIT ARCHITECTURE RENDERING WITH PHOTOSHOPED BACKGROUND
ARCHITECTURE OFFICE

Design Studio 2: Spring 2010

Project Requirements:
Working as a part of a team (group of two), design a new studio/office for a small growing architecture firm.

Lower Floor Requirements:
Office area including office space for (3) architects, and Studio area for (3) assistants.

Upper Floor Requirements:
Apartment area occupied by Studio and two-bedroom apartment, target market for young professionals.

Split Level Solution

Computer Generated Model, Revit Architecture
ARCHITECTURE OFFICE

OFFICE STUDIO

FIRST FLOOR OFFICE

DESIGN SOLUTION:
SPLIT LEVEL DESIGN TO ACCOMODATE SITE SLOPE,
ARCHITECTS OFFICE & CONFERENCE ROOM ON
FIRST FLOOR, OPEN STUDIO SPACE ON MID LEVEL.
DESIGNED AND RENDERED BY COMPUTER, REVIT.

CONFERENCE ROOM

SECOND FLOOR APARTMENTS

DESIGN SOLUTION:
THREE (3) TWO-BEDROOM APARTMENTS, EACH WITH OPEN
KITCHEN/LIVING ROOM, BATHROOM, AND TWO (2) BEDROOMS.
FRONT TWO APARTMENTS HAVE BALCONY AREAS WITH TRELLIS
COVER.

SECOND FLOOR APARTMENTS

THREE (3) TWO BEDROOM APARTMENTS

LOWER FLOOR OFFICE

ARCHITECTURAL OFFICE/STUDIO

MODEL BY EMILY JOHNS
STRATHMORE LASER CUT MODEL.
Project Requirements:
Alfred University retained consultants to prepare a plan that would accommodate the current and future needs of the International Museum of Ceramic Art at Alfred. Required spaces include small and large exhibits, administrative area, educational programs, visitor orientation with the ability to accommodate over 100 visitors, gift shop and bookstore.

Learning Objectives:
- Analyze a building type and given information to compose a viable program
- Generate and analyze different possible organizations for the building
- Develop a solution to a conceptual design level

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Computer generated model, Revit architecture
CERAMICS MUSEUM

EXHIBIT SPACE

Design Solution:
Wedge shaped lobby with entrance at both ends for access from parking as well as Alfred University campus.

Two story exhibit space accommodating large objects to be viewed from multiple angles. One story space for viewing of smaller objects.
Project requirements:

Working as a team of two adapt to the existing Horticulture and Landscape facility for the Veterinary Technology program at Alfred State College. This project included additions and adaptive reuse to accommodate future department activities while keeping sustainability in mind.

Sustainable Features

Located on the barn roof which is facing directly south for direct sunlight.

Solar electricity is generated from Solar Panels. Under a thin veil onto the interior which diverts it to make voltage (240V). During the day, all appliances can be used as a toaster, kettle or microwave. The solar electricity will power these.

The vertical loop system is located between the existing building and the new care center.

Close-loop systems circulate a water-based solution through a "loop system" of small-diameter, high-density polyethylene underground pipes. The ideal choice when available land surface is limited. Well drilling equipment is used to bore small-diameter holes from 100 to 400 feet deep.
Project Requirements:
On a recently cleared site located in Buffalo NY, commercial interests decided to build a new performance specific theatre. Choose a specific performance type to be designed and that will have a direct impact on your design proposal. Re-search both structural and mechanical systems to create a Design Development presentation that organizes your vision of the overall project concept.
Concept Statement: As the gateway to the theater district, the Buffalo Comedy Club responds directly to the curved site that is created by the intersection of Pearl Street and Main Street. The large, two-story lobby runs parallel to Main Street and the facade of the theater follows the shape of the curve. The lobby area has an entrance at both ends providing access to pedestrians arriving by train, or by foot from the north. It also has a transparent facade along Main Street to create a connection between the exterior and interior. The overall design responds to the performance type of a comedy club with an abstract exterior along with three different masses combined to create interior and exterior spaces.
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