# Table of Contents

written statement

façade design
- project requirements
- process
- precedents
- final elevation
- final plan/section
- precedents
- final model
- rendered drawings
- simulated sunset

xyz plane
- project requirements
- prelim. sketch models
- drawings
- final sketch model
- final model

museum
- project requirements
- initial design
- sketch model
- parti model
- precedents
- final drawings
- diagrams
- final model

shelter

III

IV

IVa

IVb

IVc

IVd

IVE

IVf

IVg

IVh

IVi

V

Va

Vb

Vc

Vd

Ve

VI

VLa

Vlb

Vlc

Vld

Vle

Vlf

Vlg

Vlh

barcelona pavilion

color lab

phillip johnson - glass house

works cited

VII

VIIa

VIIb

VIIc

VIId

VIIe

VIIf

VIIg

VIIh

VIIi

VIIj

VIII

VIIIa

VIIIb

VIIIc

VIIIId

VIIIe

VIIIIf

VIIIg

IX

X

XI

XII
“all architects want to live beyond their deaths”
~phillip johnson
façade design
- given a Robert A. M. Stern townhouse in New York City
- design a façade for the building in which the first floor is a store front and the upper floors are living quarters
- relation between plan, section, and elevation is suggested
- diagrams should be used as necessary to convey design principles
process

initial design sketches

second design colored sketch

third design

final design colored sketch

second design sketch

final rendered cad drawing

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morrisonville state college

course – arch-112
precedents

denver art museum by daniel libeskind

guggenheim art museum, bilbao spain, by frank ghery

guggenheim art museum, nyc, by frank lloyd wright

wdp angel paintball marker

instructor – dr. anne englot

morrisville state college

course – arch-112
final elevation

instructor – dr. anne englot

morrisville state college
final model

instructor – dr. anne englot

morrisville state college

course – arch-112
rendered drawings

instructor – dr. anne englot

morrisville state college

course – arch-112
simulated sunset

1 second between each picture

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course – arch-112
xyz plane

instructor – brian kelly
course – arch-110

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program requirements

- three non parallel planes were to be oriented so that they are only on the x, y, and z axes
- project was to remain orthogonally supported
- project was meant to be contained within an 8” x 8” x 8” cube
- each planes visual integrity must be maintained
- spaces must be defined
- circulation, entry, and exit should be considered
preliminary sketch models

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course – arch-110
drawings

x plane

y plane

z plane

section

cube with shade and shadow

plan

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course – arch-110
final

instructor – brian kelly

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-as a group students were assigned an existing building to create a museum within
-the museum needed three separate areas, a temporary display, a permanent display, and a garden
-within the given building is a given entry way that can not be altered
-students must incorporate design principles while creating their museum
-design principles were to be shown in diagrams
-use of parti models/diagrams and collages were required
initial designs

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precedents

Villa Lante - Giacomo Vignola, Bagnaia, Italy

Villa Rotunda - Andrea Palladio, Vicenza, Italy

Guggenheim Art Museum - Frank Lloyd Wright, New York, City

Mortuary Temple of Ramses III - Medinet Habu
final drawings

section

plan

transverse section
diagrams

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Morrisville State College
final model

instructor – dr. anne englot and brian kelly
morrisville state college

course – arch-111
homeless shelter

VII

instructor – dr. anne englot and brian kelly

morrisville state college

course – arch-110
Project Requirements

- Design a shelter for portability, ease of use, sustainability, and to withstand the conditions of all seasons in upstate New York.
- Collaborate with group members to integrate individual designs.
- As a group design and build one final shelter.
-the idea of shelter makes me think of someone who needs somewhere to stay in a time of emergency, for example, someone’s house has burnt down. my shelter will be designed to be easily transported in snowy conditions. it will be large enough to accommodate one person sitting or laying. the shelter will be relatively small so that the person’s body heat will suffice to heat the structure. in order for it to be portable, it must be light and durable. this will be taken into consideration during the design of this shelter. the form of my shelter will be directly related to its function. because it is an emergency shelter, it needs not be flashy. everything that is incorporated is necessary for survival.
individual design - drawings

portable mode
stationary mode

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individual design - precedents

Pop Up Camper:
Pop-up campers are the campers that we see that seem too small for anyone to inhabit. The top unfolds producing a full size camper. This will be incorporated into my design in that the area that pops up on the top of my shelter to allow head room will open in the same fashion as a pop-up camper.

Toboggan:
A toboggan is a type of sled. It is basically a wooden deck which curves in the front so as it stays on top of the snow. This is incorporated in my design such as the front of my shelter mocks the front of a toboggan. It is at an angle so that it rides on top of the snow rather than sinking down which would make transportation harder.

Horse Drawn Sled:
Horse drawn sleds are what Santa rides on. Only he is pulled by reindeer. I will incorporate this into my design such that it is pulled like one. There will be a rope connected to the front of the shelter and it will be pulled by a person.

Sliding Barn Door:
Sliding barn doors were used in the old fashioned barn. One side of the barn would contain a large door that slid laterally rather than up and down. This allowed for a bigger opening to fit equipment in. This will be incorporated as the entry into my shelter. Though it won't be on such a large scale, that is how the entrance will be in the back of the shelter.

Galaxy Aircraft:
A Galaxy aircraft is a plane that has a fold down deck for vehicles to drive on. I will incorporate this in my design in that the front of the shelter folds down from its sled like state to its stationary state in this manner.

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morrisville state college
individual design - model

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morrisville state college
group design - drawings

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course – arch-110
group design – precedents

- Copperhead snake
- A-frame building
- Sliding barn doors
- Toboggan
- Tent
- Futon

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course – arch-110
group design – sketch model

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construction

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morrisonville state college

course – arch-110
- given a spatial grid, base dimension, and a list of structural members
- design an abstract structure in which horizontal and vertical members define spatial volumes
- given horizontal structure members will define layers
- each layer will consist of a given number of two-dimensional shapes
- vertical members can only be placed at joints
- vertical members can not extend past a layers adjacent layer
sketches

layer 1

layer 2

layer 3

layer 4

layer 5

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course – arch-111

morrisville state college
sketch model

instructor – dr. anne englot

morrisville state college
final drawings

layer 1

layer 2

layer 3

layer 4

layer 5

instructor – dr. anne englot

morrisville state college

course – arch-111
3d views
diagrams
final model

instructor – dr. anne englot
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course – arch-111
barcelona pavilion

instructor – brian kelly
morrisville state college
course – cad-183
Phillip Johnson – Glass House

Instructor – Dr. Anne Englert

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works cited

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