

## **Introduction to Integrated Design**

4.191

Fall 2006

Lecturer: Angela Watson

### **Visitor Pavilion for Gay Head Light**

#### *Assignment #3*

Throughout its history, Gay Head Light has been an attraction to the public. It has been reconstructed many times and while it stands alone on top of the Gay Head Cliffs, it used to be attached to a Lighthouse keeper house. Today, it attracts tourists and wedding parties. Currently there are no services or facilities available on site and the history of the lighthouse is displayed at the Welcome to the Martha's Vineyard Museum in Edgartown.

A new pavilion will provide services and amenities to visitors, including bathrooms, an exhibit area and an information desk for volunteers. The following program elements should be incorporated:

|                   |        |
|-------------------|--------|
| Exhibit Area:     | 300 sf |
| Information Desk: | 60 sf  |
| Visitor Toilet:   | 60 sf  |

The pavilion will be used seasonally and will be closed for the November through March. It should respond to the site and climate by responding to local conditions and minimizing energy consumption. The pavilion will use sustainable design strategies such as solar cells and a composting toilet.

#### Part 1

By Wednesday, October 18th, be prepared to discuss initial design ideas with a sketch model at 1/16"=1'-0". You should also

The pavilion should be located within the area designated on the site plan. Consider the following:

- Sustainable design strategies
- possibilities for views
- relationship to the lighthouse
- the approach to the lighthouse by visitors
- prevailing winds and sun orientation
- history of the lighthouse and its site

### Part 2

Translate the sketch model into a SketchUp model to discuss by Wednesday, October 23rd. Use the model to explore views and approaches from land and water and to test sun angles. You should also develop a story for the exhibit area and link it to its relationship to the lighthouse and surrounding site.

### Part 3

For the final review on Wednesday, October 25<sup>th</sup> you should be prepared to present the following:

- Supporting information on your sustainable design strategies.
- A narrative of the exhibit area.
- Prints of model views including a site plan, plan, entry sequence, and any other views that describe the project.
- A photomontage of the model in one of the images of the site.
- The 1/16"=1'-0" sketch model.