



4<sup>th</sup> Annual High School Design Competition  
Eagle Island Interpretive Center  
Eagle Island, NC  
[www.aiawilmington.org](http://www.aiawilmington.org)

Sponsored by:



AIA Wilmington  
A Section of AIA North Carolina  
The American Institute of Architects

## EAGLE ISLAND INTERPRETIVE CENTER

AIA WILMINGTON High School Design Competition

3 February 2010

---

### Site:

The proposed site is on Eagle Island, south of Battleship Park. An Autocad file of the site will be provided to participants. An aerial photo with general boundaries is attached. Please note that participants DO NOT have permission to access the properties and all observations must be made from the public right-of-way.

### Program Statement:

Eagle Island is an important maritime archaeological area, with many historic artifacts resting on or near its shore line. These artifacts include several tugboats that once played a major part in the success of Wilmington's riverfront. Eagle Island and nearby marshlands to the west also represent an important wildlife refuge, but visitors have few opportunities to observe wildlife in their natural habitat.

This project will create an Interpretive Center (or Visitors' Center) where the public can begin exploration of the island's resources. Visitors will be introduced to the island's resources in a large display area featuring an historic tugboat, with other artifacts and displays related to the riverfront placed nearby.

Kayak rentals will be provided for exploration of the marshes, and a nature trail will lead visitors to marine artifacts while observing plants and wildlife.

The first floor of the building will be a minimum of 4' above grade in order to accommodate flood requirements.

A scalable site plan with topographical information will be provided.

### Product:

Participants will design a building based upon the information provided above and in the attached program materials. Minimum drawing requirements include:

- Site Plan
- Floor Plan(s)
- Building Elevations
- Perspective(s) or a physical model

### Suggested Resources:

Cape Fear Museum: model of Wilmington waterfront, 19<sup>th</sup> century

New Hanover County Library: see photo collection of Wilmington's historic riverfront contained in the Robert M. Fales Collection and the Louis T. Moore Collection. These digital Archives are accessible on-line at:

<http://www.nhcgov.com/AgnAndDpt/LIBR/LocalHistory/Pages/Collection.aspx>

# EAGLE ISLAND INTERPRETIVE CENTER

## WILMINGTON AIA High School Design Competition

2/02/2010

### Design program:

| PROGRAM SPACES               | NOTES   | AREA          |
|------------------------------|---|---------------|
| <b>INTERIOR</b>              |   |               |
| Lobby                        | space for visitors to gather  | 900           |
| Concierge                    | Staff member who greets visitors and answers questions  | 100           |
| Administrative suite         | 4 staff, accessed from lobby  |               |
| Director's office            | space for director and 2 visitors   | 200           |
| Administrative assistant     | adjacent to director  | 120           |
| Site guide                   | cubicle for program development   | 100           |
| Site guide                   | cubicle for program development   | 100           |
| Volunteer coordinator        | cubicle for volunteer coordinator   | 100           |
| Work room                    | space for copier/printer, mail box, postage meter   | 100           |
| Break room                   | coffee maker, under-counter refrigerator, dishwasher  | 100           |
| Conference room              | space for 12 to meet  | 240           |
| Storage                      | office storage area   | 100           |
| Electrical closet            | power distribution center for building  | 20            |
| Data closet                  | computer file server, telephone equipment   | 20            |
| Restrooms                    | 2 @ 12x25, including ADA accessible toilet  | 600           |
| Interpretive center displays | adequate space for maritime displays, including historic R.R. Stone tugboat 20W x 60'L x 20'H | 6,000         |
| Theatre                      | Space for 3 classes @ 20 students = 60 students x 20 sf ea.                                   | 1,200         |
| Classroom                    | Instructional classroom   | 1,200         |
| Café                         | Sale of pre-packaged meals, snacks, and beverages. No cooking                                 | 500           |
| Shop                         | T-shirt sales, books, kayak rentals, tickets for events at the Cape Fear Amphitheatre         | 200           |
| Total                        |   | 11,900        |
| Circulation @ 35%            | 35%   | 4,165         |
| <b>Grand total</b>           |   | <b>16,065</b> |
| <b>EXTERIOR</b>              |   |               |
| Porches                      | Spaces for informal gathering, outdoor dining   | 500           |
| Kayak Rental storage         | Could be stored under building; space for 25 kayaks   |               |
| Dock                         | Provide a riverfront dock with 60 feet of width that will accommodate The Maffit tour boat.   |               |
| Landing                      | Provide a beachfront where kayaks can be launched   |               |
| <b>SITE REQUIREMENTS</b>     |   |               |
|                              | Visitors will park at the adjacent Battleship parking lot.                                    |               |

Site Plan





AIA Wilmington  
A Section of AIA North Carolina  
The American Institute of Architects

## **High School Design Competition Competition Schedule 2010**

### **Week of February 1<sup>st</sup>**

Competition introduction by AIA to classes

### **February 11, 2010 (Thursday)**

Registration Forms due

### **February 12, 2010 (Friday)**

Project Information E-Mailed

### **February 25, 2010 (Thursday)**

Critique #1

- Site Analysis

### **March 11, 2010 (Thursday)**

Critique #2

- Sketch Model of Ideas

### **March 25, 2010 (Thursday)**

Critique #3

- Floor Plans

### **April 15, 2010 (Thursday)**

Critique #4

- Elevations

### **April 29, 2010 (Thursday)**

Critique #5

- Model / Presentation Ideas

### **May 13, 2010 (Thursday)**

Projects to be delivered to LS3P ASSOCIATES by 4pm  
(2528 Independence Blvd., Suite 200, 910-790-9901)

### **May 15, 2010 (Saturday)**

Awards Ceremony, Location and time TBD



## 2010 High School Design Competition

Registration forms due Thursday, February 11  
(return to your drafting teacher)

Name: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Male/Female: \_\_\_\_\_

Home Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

High School/Teacher: \_\_\_\_\_

Graduation Year: \_\_\_\_\_



## 2010 High School Design Competition

Registration forms due Thursday, February 11  
(return to your drafting teacher)

Name: \_\_\_\_\_

Date of Birth: \_\_\_\_\_

Male/Female: \_\_\_\_\_

Home Address: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

High School/Teacher: \_\_\_\_\_

Graduation Year: \_\_\_\_\_