



4th Annual High School Design Competition
Eagle Island Interpretive Center
Eagle Island, NC
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, 19th 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
INTERIOR		
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
Grand total		16,065
EXTERIOR		
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	
SITE REQUIREMENTS		
	Visitors will park at the adjacent Battleship parking lot.	

Site Plan





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High School Design Competition Competition Schedule 2010

Week of February 1st

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

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