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The Miami Marine Stadiim was host to several major boating events. The man-made basin eft), designed after ncient Rome's Circus Aaximus, functioned s the track. Spectators would overfill the esigned stadium (top iddle) to watch water ports such as speed boat racing (bottom niddle and right). Depite the fact that the nodern sport of speed boat racing has outrown the stadium, it ould still be used to had in the past.



ountless important events unelated to boat racing were held t the stadium: concerts such as immy Buffet's (left) where he umped into the water after he inished singing, boxing matches (bottom middle), and standup comedy shows like Sammy Davis Jr.'s were just some of the many. Using portable barges as the stage, these types of events became so popular that the capacity of the stadium was not enough, bringing along the so called "floaties" as observed in the pictures to the left and top middle. The stadium made it to Hollywood as it was featured in the background as Elvis sped on the water track in the movie lambake

## Miami Marine Stadium



In 1992, the City of Miami aleged that Hurricane Andrew amaged the facility and \$1 nillion was requested from the Federal Emergency Management Agency (FEMA) for it to be demolished.

The insurance company comissioned an engineering study by Simpson Gumpertz and Heger (SGH) which showed that the stadium suffered no damage. There was organized opposition to the demolition, and the City then returned the money to FEMA. However the stadium was closed to the public and deemed structurally unstable. It has remained standing for the past 22 years, lacking any mainenance or repair to the original





The Marine Stadium remains shuttered and due to lack of security, it has become the ideal location for graffiti artists to express themselves. The colorful and variedly ethnic result has caught the attention of various photographers and film makers making it a signature spot for their photo shoots and music videos. It has also reached the younger generations, serving as a hub for skateboarding and parkour.



Bouffe eft) and Gloria Estefan (right) both singers and supporters of the rennovation of the stadium.



The Miami Marine Stadium forms part of the Miami Modern (MiMo) architecture style, which emerged in Miami in the Post World War II period (1945-1960). Originating from various architectural movements which were going on around the world, this style was imprinted with the tropical and glamourous characteristics of our city. Featuring acute angles, curved walls, delta wings and dynamic parabolas among others, MiMo became a signature to the Miami architectural design.

When designing the stadium, Hiario Candela kept in his mind the concepts of this style, and mixed it with the famous idea "Form follows Function" advanced by one of Candela's inspirations, Le Corbusier. Under these principles the stadium was created, using pour in class A concrete which created a simple facade, highighting the beauty of the strucure and cutting down on maintenance costs. Aside from that, the famous cantilevered roof maximizes the amount of shade received by the public inside the structure, and thus decreases the temperature for 12 hours of sunlight.

> This article published in the Neighbors section of the Miami Herald after our visit to the Miami Marine Stadium under the guidance of Donald Worth, conservationist and co-founder of the Friends for the Miami Marine Stadium. The article though misinterpeded by the staff writer, still got the recognition to the stadium renovation process.

In our research process we encountered the Friends for the Miami Marine Stadium, and to find out more about the organization a small group attended a display on the Miami Marine Stadium at the Coral Gables Museum. There we came across Donald Worth, conservationist and co-founder of the organization. This started a partnership between Coral Park ACE Mentorship and the Friends for the Miami Marine Stadium.

**Donald Worth visited Coral Park and he delivered a presentation to the group** of students were he explained to a larger detail the history of the stadium and the present political logistics which his organization is dealing with in order to realize their renovation plans for the site. Towards the end of the presentation he was interested in our ideas and we had the chance to present them to him. He was captivated by our concepts and wanted to share them with his group.

The team visited the Miami Marine Stadium in a personal tour provided by Donald Worth. The tour gave the students a more personal connection to the project, a new perspective on the size of the property, and the present condiion of the stadium.

Donald Worth also tried to arrange a meeting with Hilario Candela, the architect of the Miami Marine Stadium, from Spillis Candela and Partners Inc in order to discuss about the architectural features and the ideas which inspired him in this design. However, it became impossible due to time constraints (Still trying)

Throughout the process we realized the impact that this project has in the community, and helping bring attention to the cause which Worth and the Friends for the Miami Marine Stadium are supporting has become our goal. Our cause is to help his cause.

SCHOOL SCENE

## Students to help redesign Marine Stadium



MARINE STADIUM RENOVATION: Miami Coral Park High School's Architecture, Construction and Engineering Mentor Program students are working on the renovation of the Miami Marine Stadium.

Students from Coral Park High School's Architecture, Construction and Engineering Mentor Pro gram are designing a reno vation of the Mlami Marine Stadium as their subn sion to the Construction dustry Round Table Natio al Design Competitie Through their mentors Turner Construction Co the students will get to re vate the stadium in real with the help of a grou called the Friends of th Miami Marine Stadium.

Donald Worth, presid of Friends of the Marine St dium, took the students tour of the stadium and the came up with plans for the ongoing project. The stu dent design is currently u er construction.







The design of the entrance and array fountains is meant to attract the eyes of everyone passing by, bringing attention back to the Miami Marine Stadium. We used the logo from the Friends of the Miami Marine Stadium as part of our design because of the strong influence they have had in our project development, and the lettering we chose is used to resemble the Art Deco style so characteristic of Miami.

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Sitework																																
Parking Garage																																
Rough Plumbing/Electrical																																
Concrete																																
Steel																																
Glass & Glazing																																
HVAC																																
Finish Plumbing/Electrical																																
Flooring / Wall Coverings																																
Landscaping	-																_															

Bid Package #	Bid Package Description	Unit of Measure (UOM)	Uni	it Price (\$ / UOM)	Quantity	GMP Total		
1c	Survey & Field Engineering/Documentation	Hrs	\$	125	1,000	\$ 125,000		
2b	Site Concrete Paving (Sidewalks, Dumpster Pad, B'Ball)	SF	\$	50	363,561	\$ 18,178,050		
3a	Building Concrete	SF	\$	75	363,561	\$ 27,267,075		
5a	Structural Steel	Hrs	\$	125	500	\$ 62,500		
5c	Aluminum Railings & Handrails	SF	\$	30	200	\$ 6,000		
8b	Glass & Glazing	SF	\$	30	25,321	\$ 759,630		
9c	Ceramic & Quarry Tile	SF	\$	75	1,000	\$ 75,000		
9e	Carpet, VCT & Base	SF	\$	100	26,500	\$ 2,650,000		
9f	Painting	SF	\$	50	156,756	\$ 7,837,800		
10c	Signage	Hrs	\$	50	52	\$ 2,600		
10d	Lockers & School Security Lock Box	Hrs	\$	30	65	\$ 1,950		
22a	Plumbing	SF	\$	125	36,785	\$ 4,598,125		
23a	HVAC	SF	\$	125	36,785	\$ 4,598,125		
26a	Electrical & Building Systems	SF	\$	125	56,625	\$ 7,078,125		
31a	Sitework, Paving & Utilities	SF	\$	50	363,561	\$ 18,178,050		
32b	Landscape & Irrigation	SF	\$	30	363,561	\$ 10,906,830		
В	Underground Parking Garage	SF	\$	250	143,640	\$ 35,910,000		
A				TOTAL1	DIRECT WORK	\$ 138,234,860		

Approximate Square Footage of Project Site: Approximate Cost per Square Foot for Project: \$ We incorporated LEED elements into our proposal to make it more attractive and effective in a real world perpective:

General Area:

Solar Power (Solar Panels Along the re-

Hydro Power (water current all along the bor-der of the bay)

**Plumbing:** 

Low flow fixtures

Rain water catching centers

Use of ocean water for irrigation

Lighting:

Use of natural lighting

Use of low voltage fixtures

Situated to the right of the Miami Marine Stadium, the boardwalk stretches along the basin side of the proposed convention center/hotel. We incorporated docking for visitors who decide to arrive by boat, and completed the scene with sand in order to create an oceanic environment. Alongside the boardwalk there are various stores and restaurants open to visitors, creating revenue and keeping the property functional while no major events are taking place.

## Miami Marine Stadium





catamaran inspired building whose purpose is to add aesthetically to the site while improving the revenue of the property as a whole. We followed the Miami Modern (MiMo) ideas which inspired Hilario Candela, but our purpose was to create the sense of a boat gliding on the water, represented by the blue canopies to each side of the building. The building is composed of a convention center, hotel, a boat museum and miscellaneous stores and restaurants.







Here we can observe the changes we have made to the property in our renovation of the site. The parts highlighted in red are the preexistent structures. In our proposal, the stadium remains at the center of our project, since every addition is meant to highlight its existence. To the left we have a park equipped with benches and barbecues for recreation. To the left are the convention center and hotel, although the latter is aimed for use whenever a convention or any event is taking place inside the property it is also open to the rest of the public. In the same building we can find a boat museum, in which different expositions would be available relating to boat and naval history in Miami. To the right of this structure is our Research/Training Facility, created with the community in mind, this building would be at the service of MAST Academy (high school) and the Marine Biology Center of the University of Miami, both of which are right next to the property.

Overall, the boardwalk unifies the entire site, making it accessible by walk or bike while enjoying the beauty of the renovated site, merging together the past, the present and the future.

**MIAMI CORAL PARK SENIOR HIGH SCHOOL** 8855 SW 16TH ST **MIAMI, FLORIDA 33165 MENTORED BY: TURNER CONSTRUCTION - MIAMI, FL** 





The lobby of the hotel and museum is meant to mimic the sensation of being in the bottom side of a boat, underwater. The blue tint of the curtain walls create an oceanic effect with the light from the sun, and the ambience is emphasized with the fish tank floor with water actually coming directly from the basin of the property, which will reduce the filtration system as we approach more environmentally friendly options. The canopies set outside the building reflect inside in the form of waves of water being broken by the boat as it moves, adding to the nautical feel of the inside of the structure.



This museum is unique, it will not only display boats which were part of the races which took place in the Miami Marine Stadium between 1963 and 1992. It will incorporate Hispanic culture by hosting exhibitions of the different rafts used mainly by Cubans to arrive to the United States. State of the art boat racing will also be featured, to bring a more modern quality to the museum.

