Senior Design / BS / MS Project April - 2020



PROJECT VISION

Our vision for the Merrick Park development is to create a working and community space which diversifies the economic landscape and provides consistent return on investment, is harmonious with existing residential and commercial spaces, and provides a focal point for community life. All of this while simultaneously producing and utilizing sustainable and renewable energy in order to serve as a model for new developments and the future of Coral Gables.

INTRODUCTION

Our plan for the Merrick Park development was informed by site characteristics and limitations, as well as economic viability, and community need. As the gross square footage of the plot sits at 11,000 square feet, we have decided that there is not a large enough footprint to justify residential development.

We are proposing a three-story, mixed-use building equipped with office spaces fit for emerging business in an effort to stimulate economic growth within the Merrick Park area. We are also excited to introduce the first Aquaponic Restaurant to Coral Gables. A novel dining style modeled by sustainability and waste reuse (literally!) All fit with a rooftop garden that will be utilized for urban agriculture and the restaurant produce.





AQUA at Merrick Park

Addison Climo, Jeremy Davis, Grant De La Vasselais, Tejan Joshi, David Lipkin Maria Troncoso, Riccardo Versace Dr. Matthew Trussoni, Dr. Esber Andiroglu, and Dr. Helena Solo-Gabriele

Department of Civil, Architectural, and Environmental Engineering



SUSTAINABILITY INITIATIVES

Aqua at Merrick Park incorporates a multitude of sustainability features that are not only good for the environment, but are also able to provide long-term benefit for the owner over the course of the building's large lifespan. We have earned 68 points on the LEED scorecard placing our building firmly as LEED Gold.

- Aquaponic System
- Stormwater Harvesting System
- Solar Energy
- Electrochromic Glass
- Green Walls
- Composting











AQUAPONIC SYSTEM

The centerpiece of our project is our Aquaponic System. Diners who come to our restaurant will watch the same fish they will be eating, swimming in tanks around the perimeter of the dining room. All seafood that is prepared by the restaurant will be grown and harvested on site.



CONCLUSION

We are confident that planting this development in this neighborhood will not only increase revenue within the community but inspire local green initiatives as this building serves as a benchmark for sustainability minded construction.

ACKNOWLEDGMENTS

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