

December 20, 2022

PROJECT: BELMONT PARK ESTATE
APPLICATION NO.: PZ22-12000014

ARCHITECTURE SUSTAINABLE DESIGN CRITERIA NARRATIVE

Belmont Park Estate has been designed with several sustainable design elements/features. The design of the building has been laid out to allow the possible use of modular/prefabricated structures. This would allow for an efficient and expedited construction process along with a reduction in pollution, odors, and airborne particles that could likely be present in typical construction methods.

With an emphasis on energy efficiency the project will include energy efficient air conditioners, tankless water heaters in each unit, LED lightbulbs throughout the project, along with energy efficient windows. Belmont Park Estate will be built out of hurricane resistant materials and will have impact rated doors and windows throughout. All exterior building materials used will be to withstand and resist up to 170 mph wind speed as per FBC 2020. The south façade features covered entries into all residential units. The rooftop will be painted white to reduce the heat load absorbed by the roofing membrane.

Multifamily Residential Development

According to Table 155.5802: Sustainable Development Options and Points

Green Design Features Implemented	Feature Description	Points
Efficient Cooling	All air conditioners are Energy Star qualified	2
Efficient Water Heating	At least 75 percent of hot water on premises is heated via tankless water heaters or solar water heaters.	2
Hurricane Resistant Structures	The principal building is constructed to meet increased wind loads.	
	150 mph load minimum (4 points)	4
	200 mph load minimum (8 points)	
Overhangs	Overhangs are present on all south windows for energy efficiency purposes.	2
White Roof	All roof surfaces are painted white	2
Green Design Features Implemented	Total Points Achieved	12