



## CONSULTING ENGINEERING & SCIENCE, INC.

Civil Engineers

Coastal Engineers

Environmental Scientists

July 17, 2017

Mirador Master Association  
1100 West Avenue  
Miami Beach, Florida 33139

Re: Proposed Marina

To Whom May It Concern:

Please be advised that the proposed marina we designed will include a wave baffle beneath the outer dock which runs parallel to the shoreline for approximately 1,000 feet adjacent to 1000/1100/1200 West Avenue. This wave baffle was added to our design in order to provide protection for the boats in the marina as well as the existing seawalls that stabilize the shoreline at these locations.

The shoreline in this area of the Bay is subject to significant wave action from the wakes of passing boats. This wave action can cause damage to the boats moored within the marina and undermine the existing seawalls that protect the parking garages. The addition of the wave baffle will significantly reduce the wave action thereby reducing the potential for damage to the boats and the existing seawalls.

Should you have any questions, please contact me.

CONSULTING ENGINEERING & SCIENCE, INC.

John R. Guttman, P.E.  
President

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