



Marina Electrical Equipment, Inc.  
1715 Merrimac Trail  
Williamsburg, VA 23185  
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Suntex Marinas  
Sam Chavers

Sent Via E-mail: [schavers@suntex.com](mailto:schavers@suntex.com)

*Scope of Request - Miami Beach Marina – Assess King Tides Impacts and Potential Improvements with Site Visit by Marina Electrical Equipment (MEE)*

Sam,

Per our site visit and evaluation, it is Marina Electrical Equipment's recommendation to move the junction areas affected by the King Tides out of the in-walkway junction boxes to equipment with terminations at a higher elevation. This is one of the lowest lying levels of electrical infrastructure at the property.

**CURRENT CONDITIONS:**

Currently during extreme tide events, water is entering the junction boxes through openings in the seawall causing intermittent issues with the power to the docks.



Junction Box at Head of Dock



Opening in Seawall

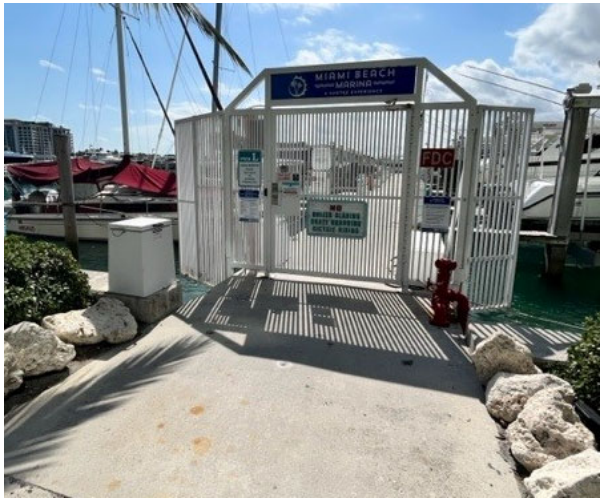
MEE is of the opinion that raising the electrical connections at the head of each affected dock is the most efficient and effective solution for tidal heights breaching this area. This procedure will not eliminate all outages, as water could rise above the increased termination height(s) under extreme conditions or rise above other dock infrastructure on the fixed docks.

MEE also believes that it is in Suntex's best interest to continue to shut down power when water levels rise above dock level on the fixed piers. This is an industry standard best practice to ensure customers walking along a fixed pier do not experience stray electrical current.

Below is the proposed scope of work to accomplish the increased elevation:

**PROPOSED SCOPE OF WORK:**

1. Terminate power to dock(s).
2. Pull cabling from the current junction box locations.
3. Test cables with Megger integrity test to ensure viability of reuse.
4. Install a freestanding panelboard-type junction box with terminations above deck.
5. Reinstall cables to new freestanding junction box.
6. Reapply power to dock(s).



Add Freestanding Junction Box at Head of Each Affected Dock



Example of Proposed Freestanding Junction Box

If you have any questions, please let us know.

Thank you.

Sincerely,

A handwritten signature in black ink that reads "Chris Dolan".

Chris Dolan  
Vice President – Sales and Customer Engagement

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