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TO: Building Department

SUBJECT: Innovative Marine – Touchless Boat Frame and Cover

We have reviewed the material and framework for the subject boat cover and frame. Attached is a schematic diagram of a typical framework for this boat cover system.

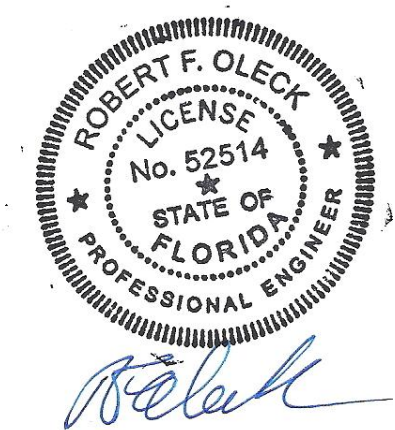
We have performed an analytical evaluation and determined that this boat-cover system is capable of withstanding wind pressures from 90 mph wind speeds at exposure category D, in accordance with ASCE7-10 and the 2010 Florida Building Code. At this design wind condition, the steel tubular frame and key post-bracket connections will not fail.

At higher wind speeds, the tubular frame may deform, but all of the key connections and the post-bracket connections will secure the frame and canopy system to the dock posts at wind speeds up to 160 mph (ultimate or basic wind speed), exposure category D.

Alternatively, if the boat-cover is removed prior to 90 mph, the tubular frame will not deform but resist the 160 mph (ultimate or basic wind speed), exposure category D and remain in the allowable elastic condition.

If you have any questions regarding this window assembly please call me at the Winter Park office.

Sincerely yours,



R. F. Oleck, P.E.
FL PE # 52514
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