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**Structural Engineering**

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Tuesday, April 08, 2014

Intellibreeze  
2598 S. Atlantic Ave.  
Daytona Beach Shores, FL

Engineering Evaluation for: Intellibreeze Solar Attic Fan

**ENGINEERING EVALUATION**

To Whom it Concern:

This engineering evaluation is issued to comply with the requirements of the 2010 Florida Building Code. The product listed herein has demonstrated compliance with ASTM A792 and ASTM 330-02, and TAS 202 and 203. This Product was evaluated for both Flat roof mounting and Sloped Roof Mounting up to 8 /12 slope or 38 degree angle.

General Requirements:

This product is to be installed as per the provided anchor drawings. The evaluation is based on complete installation of 12-#10x1" screws. The maximum design wind pressure +/- 107 PSF for Flat roof installations and +/- 74 PSF for Sloped roof installations.

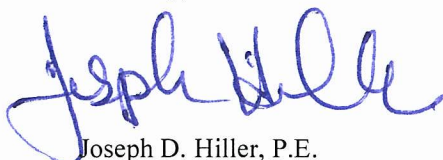
Engineering Analysis:

The Intellibreeze Solar Attic Fan product was analyzed in relation to the applied stresses imposed on the base plate, and the fastening requirements for the screws. Also a stress analysis was performed of the perimeter frame per the 2010 Aluminum Design Manual.

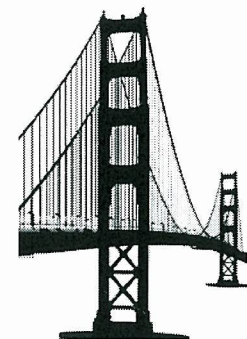
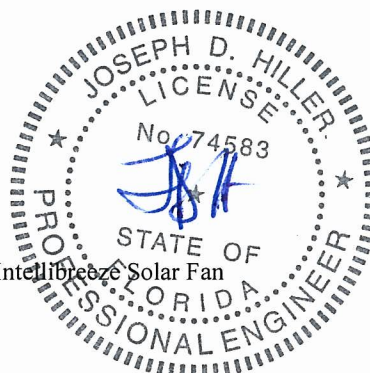
Conclusion:

It is my professional opinion based on engineering analysis performed by other engineers, and my own analysis that this Product meets or exceeds the requirements of the Florida Building Code, 2010 edition, and exceed the required design wind pressure. I hereby certify this product for installation to the one and two story roof installations with a maximum roof slope of 8 /12 or 38 degrees.

Sincerely,



Joseph D. Hiller, P.E.  
Florida PE Lic# 74583



**Joseph Hiller, P.E.**

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