February 4, 2009

To: Building Department or Others:

RE: Engineer’s Notice of Evaluation for AE Solar Collector System

Dear Sir:

As a Professional Engineering Consultant for Alternate Energy Technologies (AET), I have structurally evaluated the AE series Solar Collectors (40 square feet and smaller) and the mounting system. The design of AE series installation will withstand wind uplift forces of at least 51 psf and at this force level the collector and mounting design would meet most residential buildings and other low-height buildings throughout Florida.

The following conditions shall be met:

1) The solar project’s building is enclosed and has a mean roof height not exceeding 30 feet and a roof slope not exceeding 30 degrees.
2) The location of Solar Collectors should be located if possible in the central ‘Interior’ roof area; however, they may be installed in the ‘Edge’ strips if necessary; but are not recommended to be installed in the ‘Corner’ area (see drawing AE-1, sheet 8 of 8).
3) Wind Exposure Category is ‘B’ or ‘C’.

This information cannot be used for Solar Collectors sited with Exposure Category ‘D’, or for those buildings having a mean roof height greater than 30 feet and/or roof slopes greater than 45 degrees, or for conditions whereby the building does not meet the provisions Florida Building Code 1609.1.1 and ASCE 7-05 for which specified conditions of spatial form, height and other structure parameters that would impose design level forces in excess of 51 psf; unless it is reviewed and approved for use by a Professional Engineering Consultant for AET.

By this letter, I certify that this installation performed based upon AE-1 Sheets 1 to 8 will meet the loading requirements of the 2007 Florida Building Code. Installation work should be performed by a Florida Certified Solar Contractor.

Respectfully submitted,

James A. Marx, Jr. PE

[Signature]

Professional Engineer
FL Lic. No. 45024

cc: Billy Byrom, AET Solar
INSTALLATION REQUIREMENTS

SOLAR COLLECTOR INSTALLATION DRAWINGS

ALTERNATE ENERGY TECHNOLOGIES LLC