



431 W. Ponce de Leon Ave. Ste 4, Decatur, GA 30030 Ph: 404-377-9316

September 16, 2016

Stefan King
Energy Consultant
True Energy USA, LLC
3840 Windermere Pkwy, STE 403
Cumming, GA 30041

RE: GT Bengher-Herny Building solar array
Se#16372

Dear Stefan,

At your request, I evaluated the roof of the Bengher-Herny Building at Georgia Tech in regard to solar panels to be placed on the roof using a ballasted system. The panels will be located at the south-east corner of the building occupying 712 sf.

The weight of the system including ballast is about 6000 lbs for a roof load of less than 10 psf.

The following parameters were used to evaluate the roof:

Code: ASCE 7-10;	Wind Speed: 115 mph;	Ground Snow Load: 5 psf
Roof Snow Load: 3.78 psf	Seismic Ss : .018	Wind exposure : B

The construction of the roof of the building is a concrete waffle slab has an estimated capacity of 50 psf which is more than enough to support the ballasted array.

WARRANTY AND LIABILITY

This report/drawing set is based upon a visual observation of conditions as they existed at the time of the inspection only. Stability Engineering's investigation did not include a review of hidden or concealed conditions. Although an earnest effort has been made to discover and identify all visible defects, in the event of an oversight, Stability Engineering's maximum liability shall be limited to the fee paid for its services. Stability Engineering reserves the right to supplement or revise its opinions based upon changed conditions, further investigation by Stability Engineering or others, or new findings.

Stability Engineering warrants that its services are performed, within the limits prescribed by the Client, with that level of care and skill ordinarily exercised by members of the same profession currently practicing in the same locality under similar conditions. No other warranties or representations are expressed or implied. This report and its conclusions are intended for the exclusive use of the Client and Stability Engineering shall have no liability arising out of their unauthorized use by others.

Sincerely,
Stability Engineering, Inc.

A handwritten signature in black ink that reads 'Pierre Coiron'.

Pierre Coiron P.E., pres.

