

October 30, 2019

Carmen Bellavia
3 IN 1 Roof, Inc.
532 SW Natura Ave.
Deerfield Beach, FL 33441

Dear Mr. Bellavia

SSM-50 Solar Module Uplift Resistance Test Summary

An uplift resistance pull test was recently conducted on the SSM-50 solar module installed into a roof tile at the Intertek B&C test facility in West Palm Beach, Florida. The ultimate uplift resistance load achieved by the test specimen was 440.2 lb_f. The table below shows the pressure in pounds per square foot and the wind speed in miles per hour which correspond to the test results. The uplift load was converted to pressure in psf by dividing the load by the area of the solar module. The pressure in psf was converted to basic wind speed using the equation $q = V^2 / 383.6$, where q is the pressure in psf and V is the velocity in mph.

	UPLIFT LOAD (lb _f)	PRESSURE (psf)	WIND SPEED (mph)
TEST RESULTS	440.2	132.6	225
TEST RESULTS WITH 2X SAFETY FACTOR	220.1	66.3	159

A comprehensive test report including test specimen description and test data will be forthcoming. If you have any questions, please feel free to contact me at your convenience.

Yours sincerely

Alan Rule
Technical Writer/Special Projects

