



Classic Engineering, LLC

February 16, 2009

Richard Hartger, Founder/CEO
Cycle-Safe Secure Bicycle Parking
947 Forest Hills Ave., Suite C
Grand Rapids, MI
49546

Dear Mr. Hartger:

This letter is to document the results of our evaluation of the structure of your Cycle-Safe product and its ability to fulfill the requirements of the Florida Building Code. We have undertaken this evaluation at your request and have found that the structure, described by the information that you have provided to Classic Engineering, LLC, is adequate to resist all loads and forces required by the Florida Building Code 2007, including in south Florida, in areas designated as a High-Velocity Hurricane Zone.

We found that the worst-case loads on the structure come from the code required wind loads. We used the methods described in the ASCE Standard 7-05 (Minimum Design Loads for Buildings and Other Structures) to define the wind loads. As required in the code we used an analytical procedure (Method 2) to determine the required wind loads using a basic wind speed of 150 mph (3 sec. gust). We also used an occupancy category I and exposure C.

As described to you previously, there are a few limits on your installations required by this evaluation and the Building Code. To meet the code requirements, each single base unit must have a 4" thick concrete base slab with dimensions of at least 3'-6" X 10'-0". Multiple unit installations must have a 4" concrete slab with a plan size at least as large as the multiple units.

Each Cycle-Safe unit must also be anchored with four anchor bolts through the leveling plates at each corner into the base slab, each of which must be capable of resisting 213 pounds of shear and 875 pounds of tension (EG: Powers – Power-Stud, 3/8" diameter, 3" embed; Simpson – Wedge-All, 3/8" diameter, 3-3/8" embed; Redhead – Trubolt, 3/8" diameter, 4" embed; all with f'c = 2,000 psi and spacing and edge distance adequate for no capacity reduction). If your plans require a double tier installation of your product, you must ensure that the base level will always have at least four units properly anchored to each other and to the base slab before the upper units are installed.

We believe this letter fulfills your request. Please call if you have additional questions.

Sincerely,

Classic Engineering, LLC

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President



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