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May 17, 2013

Mr. Ethan Moss  
455 Three Springs Rd. Apt #16  
Bowling Green, KY 42104  
270-303-1621  
ethanpmoss@gmail.com



RE: Foundation Review at  
125 Robins Nest Drive  
Bowling Green, KY 42101  
AEI Project No. 213-072

Dear Mr. Moss:

As requested, American Engineers, Inc. (AEI) has performed a review of the foundation elements at the above referenced location. A camera was used to visually document site conditions at the time of the field review on April 29, 2013. The structure at this site is an approximate 28' x 56' manufactured home. Reference numbers TEN 700061 and TEN 700060 were found on the exterior of the home. Our review revealed continuous poured concrete footings supporting the concrete masonry units forming the foundation piers. The concrete masonry piers were found to be installed in accordance with current Department of Housing and Urban Development (HUD) standards. A pocket penetrometer was utilized to obtain a crude estimate of the bearing capacity of the soil beneath the home. Based on the estimated loads presented in the HUD Permanent Foundation Guide for Manufactured Homes, 9/96 edition (HUD-7584), the results indicate an adequate bearing capacity at the approximate top of footing elevation. The tie-down spacing and stiffness were also in general accordance with the above referenced. The wheels, axles and steel tongue were removed. The building lot was relatively sloped and contoured so that drainage is directed away from the structure. The gutters need additional downspout length and splash blocks or black drainage pipe to divert water away from the foundation. This will aid in minimizing the impact of the skirt wall problem discussed below.

The exterior skirt wall is settling on one corner of home which currently does not appear to effect the piers and tie downs stability. The exterior skirt wall is a non-structural element to the home meaning lose of the wall will not in itself cause structural failure of the home. Diverting water from the corner will likely remedy the problem, however, the situation should be monitored over time to confirm the remedy.



# AMERICAN ENGINEERS, INC.

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PROFESSIONAL ENGINEERING

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Based on the visible and accessible foundation elements (concrete footings, masonry piers, tie downs), the permanent foundation is in general compliance with HUD's Permanent Foundation Guide for Manufactured Homes, 9/96 edition (HUD-7584). This statement is based on review of the visible and accessible foundation elements (concrete footings, masonry piers, and tie downs.) If there are any questions or comments please contact us at 270-651-7220.

Respectfully Submitted,  
AMERICAN ENGINEERS, INC.

A handwritten signature in blue ink that reads "Dusty Barrett".

Dusty Barrett, PE  
Geotechnical Engineer

A handwritten signature in blue ink that reads "Dennis Mitchell".

Dennis Mitchell, PE  
Senior Geotechnical Engineer