

Perimeter Support Stand
and Footing Load Testing

Perimeter Support Stand and Footing Load Testing

Mr. Bob Linse
Foundation Works, Inc.
77328 Mosby Creek Road
Cottage Grove, Oregon 97424

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Mr. Bob Linse
Foundation Works, Inc.
77328 Mosby Creek Road
Cottage Grove, Oregon 97424

Dear Mr. Linse:

Re: Perimeter Support Stand and Footing Load Testing

This report documents the results of load testing conducted on stand and footing samples submitted by Foundation Works, Inc. Testing was conducted by Professional Services Industries, Inc., (PSI) personnel at the PSI laboratory located in Portland, Oregon.

Support Stand Testing

Each stand sample was vertically placed in a footing which rested in a bed of sand. A compressive load was applied to the top of the stand either through a wood 2 x 4 section or a steel block to ultimate failure. A total of seven (7) samples were tested. The results of these tests are shown in Table 1.

Table 1: Perimeter Support Stand Results

Sample I.D.	Name	Shortest Height (in)	Final Adjuster Size (in)	Ultimate Load (lb)
1	Long Heavy (1/8" x 1 1/4")	23 5/8	3/4	15,210
2	Long Heavy (1/8" x 1 1/4")	23 5/8	1	17,450
3	Long Heavy (1/8" x 1 1/4")	23 5/8	3/4	16,340
4	Short Heavy (3/16" x 1 1/4")	18	1	19,860
5	Short Heavy (3/16" x 1 1/4")	18	1	22,760
6	Short Heavy (3/16" x 1 1/4")	18	1	23,840
7	Short Heavy (3/16" x 1 1/4")	18	1	19,870

Perimeter and Surround Footing Testing

A steel member was placed across the loading portion of each footing, and loaded to ultimate failure. A total of three (3) samples were tested in compression. The results of these tests are shown in Table 2.

Table 2: Perimeter and Surround Footing Results

Sample I.D.	Ultimate Load (lb)
1	45,330
2	49,180
3	50,770

Observations:

All stand samples that were tested failed as a result of bending or twisting of the members. There were no signs of catastrophic failure by any of the samples. Failure of the footing samples is identified as a sudden drop in load, with cracking / collapse of the footing at the loading portion.

We appreciate the opportunity to be of service for this evaluation. Please don't hesitate to call us at 800 783-6985 or 503 289-1778 if you have any questions.

Sincerely,



A handwritten signature in black ink, appearing to read "Marcel de Hoog".

Marcel de Hoog
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