


**Northwest Geotech, Inc.**

9120 SW Pioneer Court, Suite B • Wilsonville, Oregon 97070 503 / 682-1880 FAX: 503 / 682-2753

 September 17, 1998  
 Project No. PT-97-0122c

 Webb-Core Corporation, Inc.  
 3112 Schmidt Road  
 Hubbard, Oregon 97032

Attention: Mr. Randy Webb

 Subject: Load Test of One 47" x 47" X 1" Webb-Core Panel  
 Per ASTM E72-95 Modified Test Date 9/4/98

Dear Mr. Webb:

At your request, Northwest Geotech, Inc., (NGI) - Product Testing Division performed load testing on one 47" x 47" x 1" Webb-Core panel chosen at random from line production by NGI-Product Testing Division, consisting of 2 thin sheets of aluminum bonded to an aluminum honeycomb shaped core. The test was performed as requested using procedures of ASTM E72-95 Standard Test Methods of Performed as Requested Strength Tests of Panels for Building Construction, Section 11.0 Transverse Load – Specimen Horizontal, modified as follows:

1. Number of Samples Tested (1)
2. Method of Supporting Test Samples (Perimeter Strip)
3. Application of Load (Concentrated Load)
4. Duration of Applied Load (Not Requested)
5. Location of Deflection Measurements (Center Only)
6. Measurement of Set (Not Recorded)
7. Failure Loading (Not Requested)

The panel was tested in a horizontal position with a ½" bearing surface along the specimen perimeters. External load was hydraulically applied to a 75 square inch circular footprint centered both ways at mid-span. Panel deflection was measured using a spindle type dial indicator mounted under the panel centered at mid-span. An initial deflection reading was recorded with no external applied load and one reading was recorded with an external dead load of 47.15 lbs., which consisted of the following component weights:

No.	Item	Weight (lbs.)
1	Specimen	21.45
2	75 in <sup>2</sup> Footprint	5.40
3	8" x 8" x ¼" Distribution Plate	4.35
4	Loading System (Ram and Hose)	10.55
5	Spacer	5.40

Live loading commenced at 60 psi and proceeded in 20 psi increments with deflection measurements taken at each increment. Immediately after testing, the hydraulic loading system was calibrated and the gage psi reading was converted to force pounds. See figure 1 for a graphic presentation of load verses deflection.

Respectfully submitted,

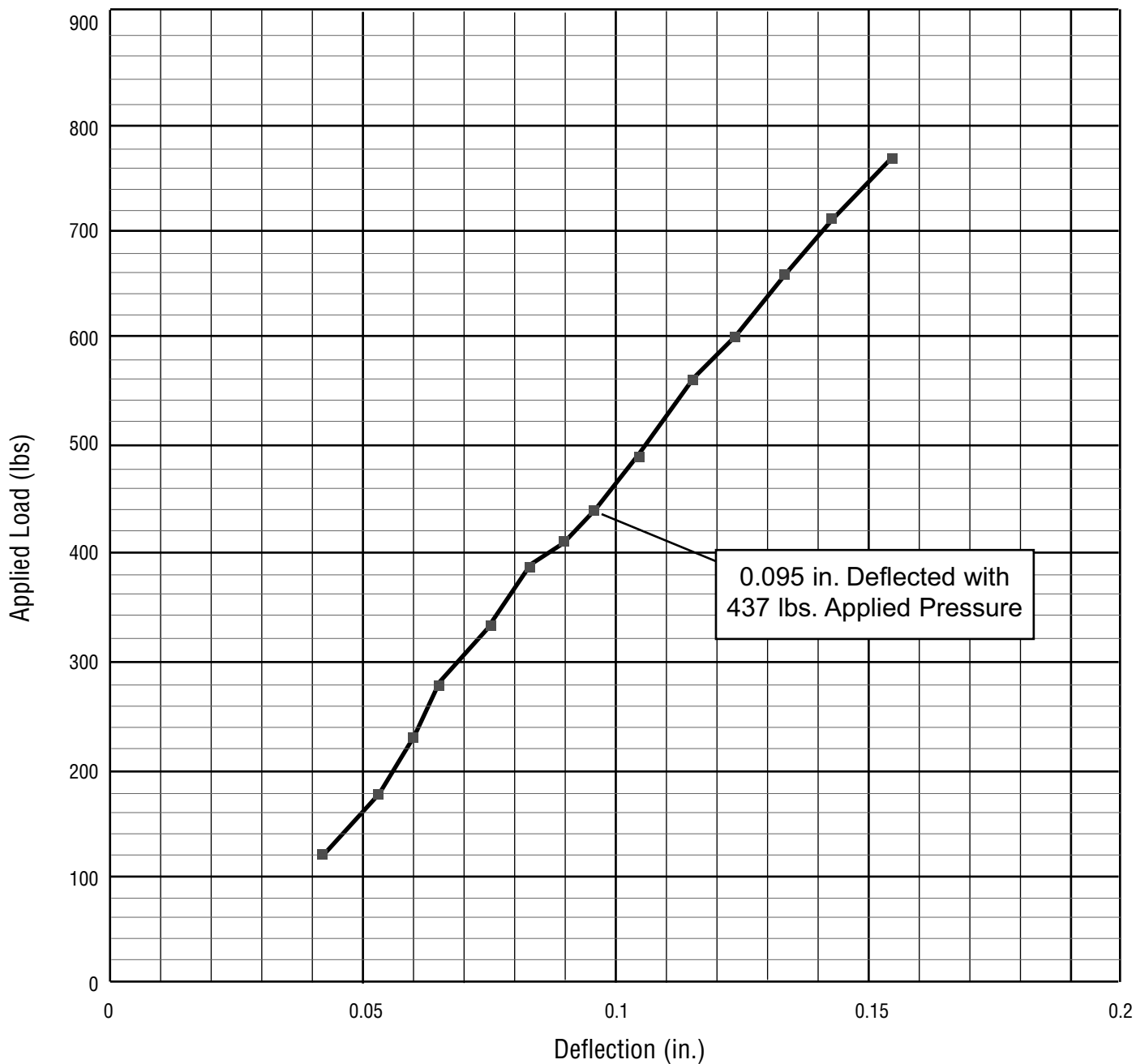
NORTHWEST GEOTECH, INC.



William J. Tate Jr.  
General Manager/ Technical Director  
Product Testing Division  
ICBO -TL-192  
ICBO - AA642



**Webbcore 47 in. Square Panel**  
**Concentrated Loat Test – ASTM #72-95 Modified**  
Date of Test: 9/4/98



**Figure 1. Load vs. Deflection**