1215 Wallace Drive • Delray, Florida 33444

(561-347-0070 • (561)395-3971 (fax)

Sampling and Testing Concrete Masonry Units - ASTM C 140

Project: Verot Oaks Building Blocks, Inc. (VOBB) **Project #:** 09-0418

Address: PO Box 62806, Lafayette, LA 70596-2806 **Report #:** M-03 (Revised)

Client: Verot Oaks Building Blocks, Inc. (VOBB) **Permit #:** N/A

Location: 18" Block

Sampled By: Client **Sampled Date:**

Absorption Test By: Antonio Viana **Absorption Test Date:** 8/20/2009

Compression Test By: Sam Albaz **Compression Test Date:** 8/6/2009

	Absorption				Compression		
	1	2	3	Avg.	4	5	6
Average Length (in):	17.9	18.0	17.9	17.9 in	12.1	12.1	12.1
Average Width (in):	5.9	5.9	5.9	5.9 in	6.0	5.9	5.9
Average Height (in):	6.0	6.0	6.0	6.0 in	5.9	5.9	5.9
Minimum Face Shell Thickness (in):	1.3	1.3	1.2	1.25 in			
Min. Web Thickness (in):	1.0	1.0	1.0	1.0 in			
Time of Received Weight:							
Received Weight (lb):	28.8	28.7	28.5	28.6 lb			
Immersed Weight (lb):	16.3	16.3	16.3	16.3 lb			
Saturated Weight (lb):	30.6	30.6	30.5	30.6 lb			
Oven-dry Weight (lb):	28.5	28.4	28.1	28.3 lb			
Absorption (pcf):	9.2	9.6	10.7	9.8 pcf			
Absorption (%):	7.4%	7.8%	8.7%	7.9 %			
Mositure Content (%):	18.1%	14.5%	18.0%	16.9 %			
Density (pcf):	124.9	124.2	123.3	124.1 pcf			
Net Volume (ft^3):	0.228	0.229	0.228	0.228 ft^3			
Net Area (in^2):	65.97	65.82	65.97	65.92 in^2			
Gross Area (in^2):	106.13	106.69	106.13	106.32 in^2	72.37	71.99	71.99
Equivalent Web Thickness (in):	2.8	2.8	2.8	2.8 in			
Equivalent Thickness (in):	3.7	3.7	3.7	3.7 in			
Compressive Load (lb):					129,810	130,100	161,990
Gross Area Compressive Strength (psi):					1,790	1,810	2,250
Net Area Compressive Strength (psi):					**2,860**	**2,860**	**3,570**

Fire-Resistance Rating

Building Code: 2007 Florida Building Code, Section 721.3

Minimum Equivalent Thickness: Hollow Cells = 3.7" / Filled Soild = 6"

Type of Aggregate: Limestone, cinders or unexpanded slag

Fire-Resistance Rating (hours): Hollow Cells = 1.75 / Solid = 4

Comments: See attached Photo
The 18" block was cut to 12" for the compressive strength test
A net area of 45.43 sq. in. was used.

Respectfully Submitted:
GFA International, Inc.
FBPE CA # 4930

8/25/09
F. Stewart Ward, P.E.
Professional Engineer # 64065
State of Florida

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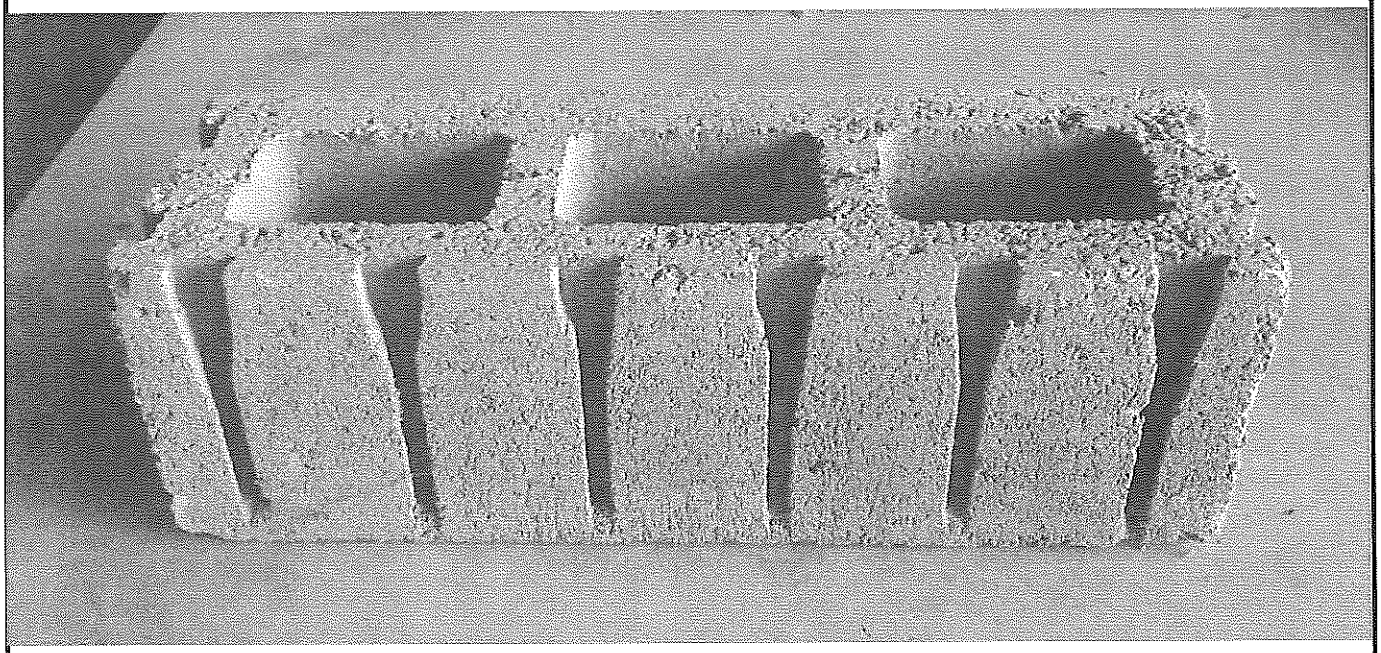
Photo / Sketch



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