

February 8, 2015

Harvey Cement Products, Inc.
16030 Park Avenue
Harvey, Illinois 60426-5069

REPORT OF TESTS

SUBJECT: **Physical Analysis of Architectural Cast Stone**

PROJECT: Harvey Cement – Architectural Cast Stone

SPECIFICATION: ASTM C 1364-10b, "Standard Specification for Architectural Cast Stone"

TEST METHODS: ASTM C 426, "Test Method for Linear Drying Shrinkage of Concrete Masonry Units"

ASTM C 666, "Standard Test Method for Resistance of Concrete to Rapid Freezing and Thawing"

ASTM C 1194, "Test Method for Compressive Strength of Architectural Cast Stone"

ASTM C 1195, "Test Method for Absorption of Architectural Cast Stone"

MATERIALS: Delivered to NTL in December 2014

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TEST RESULTS

Dates of Testing: December 2014 and January 2015

ASTM C 1364 – Physical Analysis of Architectural Cast Stone

Specimen ID	<u>A</u>	<u>B</u>	<u>C</u>	<u>Average</u>
Average Dimensions (in)				
Height	3.7	3.7	3.7	3.7
Width	11.7	11.7	11.7	11.7
Length	23.7	23.7	23.7	23.7
Linear Drying Shrinkage (%)	0.024	0.010	0.024	0.019
*Absorption, Cold Water (%)	2.7	1.7	2.0	2.1
*Absorption, Boiling Water (%)	8.1	6.8	7.3	7.4
*Compressive Load (lbs)	48,820	50,420	50,170	49,800
*Compressive Strength (psi)	12,210	12,610	12,540	12,450
**Freeze-Thaw Resistance (%)	0.87	0.64	0.75	0.75
Mass loss @ 300 cycles				

**specimens cut down to 2.0-in cubes for testing*

***specimens cut down to 3 x 4 x 16-in prisms for testing*

SUMMARY

The above-listed test results from the Harvey Cement units met or exceeded their corresponding requirements as set forth in ASTM C 1364-10b.

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Respectfully submitted,

NELSON TESTING LABORATORIES



Mark R. Nelson
President

Nelson Testing Laboratories is certified and inspected by AASHTO and CCRL under ASTM C1093.