



PENNONI ASSOCIATES INC.  
CONSULTING ENGINEERS

February 25, 2011

**CSIN-1001.07**

Mr. David Owen  
Bassco Caststone  
18786 Carters Circle  
Elkmont, AL 35620

**Re: Architectural Cast Stone Freeze-Thaw Testing – Bassco Caststone**

Dear Mr. Owen:

Attached are test results for the referenced sample. Bassco Caststone submitted and identified the cast stone samples that were cast on November 3, 2010 and arrived at our facility on November 19, 2010.

**Laboratory No. 10-88486**

One slab of cast stone was reduced to one set of three beams with nominal dimensions of 3" x 4" x 16" and were tested in accordance with ASTM C 666 Procedure A as modified by Section 5.6 "Resistance to Freezing and Thawing" of ASTM C 1364-07. Final results indicate the Cumulative Percent Mass Loss of the three samples were 0.3 %, which occurred after 300 freeze-thaw cycles.

This set meets the maximum requirements of 5% after 300 freeze-thaw cycles. Photographs of the samples before and after testing are attached.

Very truly yours,

**PENNONI ASSOCIATES INC.**

Chas M. Snyder, P.E.  
Laboratory Manager

Quinton D. Davis, Jr.  
Division Manager

CC Mrs. Jan Boyer, Executive Director - Cast Stone Institute

Attachments

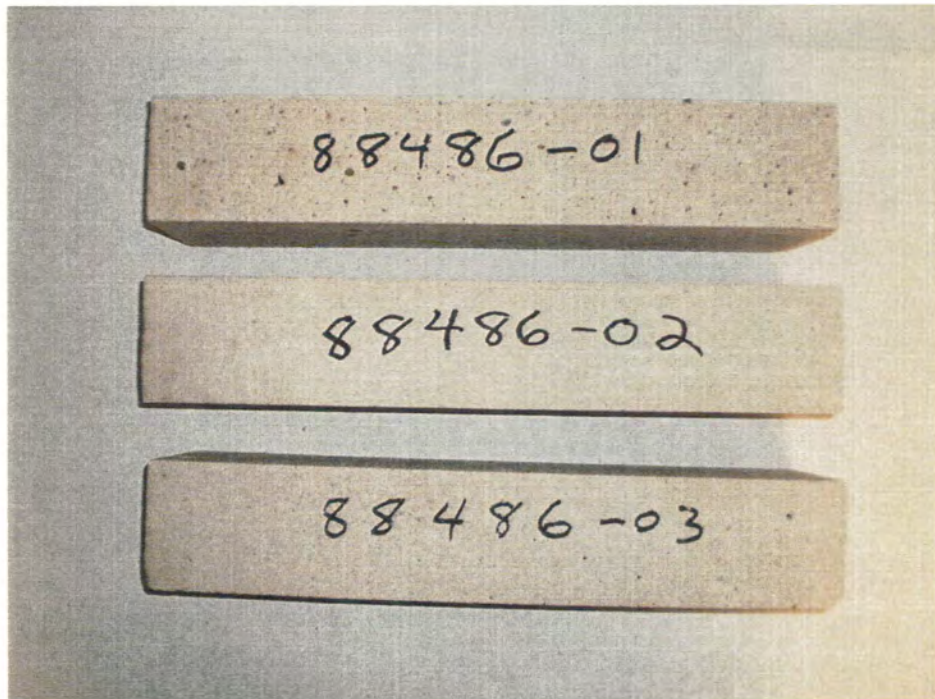
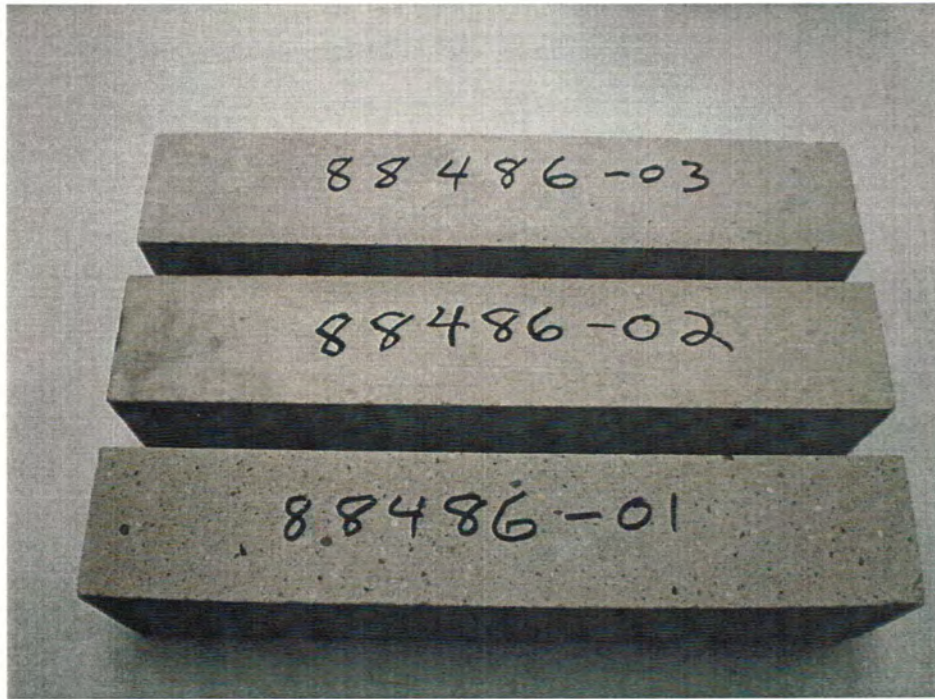




ASTM C666 - Freeze/Thaw of Concrete

Laboratory No. 10- 88486

PROJECT NO.	CSIN-1001.07
PROJECT NAME	Bassco Caststone
SAMPLE ID	Cast Stone





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PROJECT NAME \_\_\_\_\_ Bassco Caststone  
SAMPLE ID \_\_\_\_\_ Cast Stone

**Test Results of ASTM C 666 - Procedure A**

Freeze-Thaw Cycles	Mass Change (%)
0	0
30	0.00
60	0.02
90	0.04
120	0.06
150	0.09
180	0.12
210	0.15
240	0.18
270	0.24
300	0.29

Values are the average of three specimens.

