



September 15, 2010

Rocky Ridge Stone Company
29 Pugh Cemetery Road
Crossville, Tennessee 38571

Attention: Mr. Patrick Garrison

Reference: LABORATORY TEST RESULTS
Dimension Stone Testing
S&ME Project No.: 1439-09-094

Dear Mr. Garrison:

S&ME, Inc. has completed the laboratory testing on the samples of dimension stone that were delivered to our laboratory on September 8, 2010. S&ME was provided with small blocks of material for the dimension stone testing. The dimension stone blocks were sawn to meet the required dimensional requirements from the below referenced ASTM test methods. The testing requested was as follows:

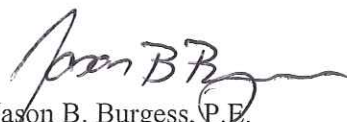
Test	Test Designation	Dimension Stone
Compressive Strength of Dimension Stone (Perpendicular to Bedding / Dry)	ASTM C170-09	✓ (5 tests)
Absorption and Bulk Specific Gravity of Dimension Stone	ASTM C97-09	✓ (3 tests)

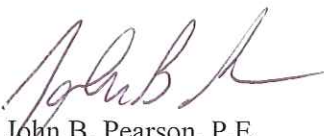
Per your request, the results of the dimension stone testing were compared to ASTM C 616-08 requirements. The testing was performed in general accordance with the Laboratory Testing Agreement dated September 8, 2010 and the ASTM test methods listed above. The results are included in the attachment.

S&ME is pleased to provide you with these laboratory testing services. If you should have any questions or require further testing, do not hesitate to call.

Sincerely,

S&ME, Inc.


Jason B. Burgess, P.E.
Materials Engineer


John B. Pearson, P.E.
Materials Engineer

Attachment
JBB/JBP/jbb



Materials Test Report

Client:	Rocky Ridge Stone Company	Material:	Dimension Stone Slabs / Pieces
Project:	Dimension Stone Testing	Quantity:	5 compression / 3 absorption
S&ME Project No.:	1439-09-094	Date Received :	September 8, 2010

Compressive Strength of Dimension ASTM C170-09

Specimen ID	Loading Direction	Test Condition	Size and Shape of Specimens	Compressive Strength (psi)
1	Perpendicular to bedding	Dry	Approximate 2" cube	17,500
2	Perpendicular to bedding	Dry	Approximate 2" cube	18,000
3	Perpendicular to bedding	Dry	Approximate 2" cube	14,300
4	Perpendicular to bedding	Dry	Approximate 2" cube	17,500
5	Perpendicular to bedding	Dry	Approximate 2" cube	17,600
Average	---	---	---	17,000

Absorption and Bulk Specific Gravity of Dimension Stone ASTM C97-09

Specimen ID	Dry Weight (grams)	Soaked and surface-dry weight (grams)	Soaked Specimen Suspended in water weight (grams)	Volume to Surface Area Ratio (0.3 - 0.5)	Absorption (%)	Bulk Specific Gravity	Density (lb/ft ³)
1	480.65	493.55	296.94	0.38	2.68	2.44	152.3
2	462.52	474.97	285.82	0.38	2.69	2.45	152.9
3	446.98	458.93	276.18	0.38	2.67	2.45	152.9
Average	---	---	---	---	2.68	---	152.7

ASTM C 616-08 Standard Specification for Quartz-Based Dimension Stone Table 1 Physical Requirements (Compressive Strength)

Property	Test Requirements	Classifications	Test Method (s)
Absorption by weight, max, %	8	I Sandstone	C97
	3	II Quartzitic Sandstone	
	1	III Quartzite	
Density, min, lb/ft ³	125	I Sandstone	C97
	150	II Quartzitic Sandstone	
	160	III Quartzite	
Compressive strength, min, psi	4,000	I Sandstone	C170
	10,000	II Quartzitic Sandstone	
	20,000	III Quartzite	