



1826 Kramer Lane, Suite M
 Austin, Texas 78758
 p | 512-926-6650
 f | 512-833-5058
 kleinfelder.com

To: Cobra Stone, Inc.
 P.O. Box 705
 Jarrell, TX 76537
 Attn: Mr. Fabian Hernandez

Project: Cobra Stone, Inc.

P.O. #023752
 Project No.: 20180443.001A

Control No.: 050208D

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REPORT OF: Specific Gravity and Absorption of Dimension Stone
 TEST METHOD: ASTM C-97
 LAB NUMBER: G-4114
 MATERIAL SOURCE: Cobra Stone, Inc.; Williamson County, Texas
 MATERIAL DESCRIPTION: Dimension Stone, Olive Yellow Limestone; 3" cubes, sawn faces; "Sand Stone"
 SAMPLED BY: Client delivered samples to lab
 TEST PERFORMED BY: K. Woodard, NICET #107418

RESULTS:

Specimen Number	SSD Wt. in Air, g	SSD Wt. in Water, g	Oven Dry Wt. in Air, g	Absorption, %	Density	
					lb./cu.ft.	Spec. Grav.
1	539.3	302.9	507.5	6.27	134.0	2.147
2	540.5	303.0	508.6	6.27	133.6	2.141
3	542.6	304.4	510.6	6.27	133.8	2.144
4	538.7	302.1	505.9	6.48	133.4	2.138
5	543.5	304.6	510.2	6.53	133.3	2.136
Average of Sample:				6.36	133.6	2.141
Standard Deviation:				0.13	0.27	0.004

Photo of C99 MOR Specimen, after testing:



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REPORT OF: Modulus of Rupture of Dimension Stone
TEST METHOD: ASTM C-99
LAB NUMBER: G-4114
MATERIAL SOURCE: Cobra Stone, Inc.; Williamson County, Texas
MATERIAL DESCRIPTION: Dimension Stone, Olive Yellow Limestone; 8" x 4" x 2-1/4", sawn faces and sides; "Sand Stone"
SAMPLED BY: Client delivered samples to lab
TEST PERFORMED BY: K. Woodard, NICET #107418

RESULTS: Rift Direction – Perpendicular - Oven Dry Condition

Specimen Mark	Total Load, lbs.	Width, in.	Thickness, in.	Modulus of Rupture	
				PSI	MPa
1	2,525	4.02	2.34	1,204	8.30
2	2,755	4.02	2.49	1,161	8.00
3	2,420	4.09	2.42	1,061	7.31
4	2,355	4.04	2.45	1,020	7.03
5	2,425	4.03	2.52	995	6.86
Average of Sample:				1,090	7.50
Standard Deviation:				91	0.63

Note: Test span length = 7.0"

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REPORT OF: Compressive Strength of Dimension Stone
TEST METHOD: ASTM C-170
LAB NUMBER: G-4114
MATERIAL SOURCE: Cobra Stone, Inc.; Williamson County, Texas
MATERIAL DESCRIPTION: Dimension Stone, Olive Yellow Limestone; 3" cubes, sawn faces and sides; "Sand Stone"
SAMPLED BY: Client delivered samples to lab
TEST PERFORMED BY: K. Woodard, NICET #107418

RESULTS: Rift Direction – Not Discernable - Oven Dry Condition

Specimen Mark	Total Load, lbs.	Width, in.	Thickness, in.	Area (sq. in.)	Comp. Strength	
					PSI	MPa
1	27,685	2.98	2.99	8.91	3,107	21.42
2	37,975	3.00	2.99	8.97	4,234	29.19
3	55,015	3.01	2.98	8.97	6,133	42.29
4	39,405	2.97	3.00	8.91	4,423	30.49
5	59,400	2.98	3.09	9.21	6,451	44.48
Average of Sample:					4,870	33.57
Standard Deviation:					1,397	9.63

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REPORT OF: Flexural Strength of Dimension Stone
TEST METHOD: ASTM C-880
LAB NUMBER: G-4114
MATERIAL SOURCE: Cobra Stone, Inc.; Williamson County, Texas
MATERIAL DESCRIPTION: Dimension Stone, Olive Yellow Limestone; 4" x 1-1/4" x 15", sawn faces and sides; "Sand Stone"
SAMPLED BY: Client delivered samples to lab
TEST PERFORMED BY: K. Woodard, NICET #107418

RESULTS: Rift Direction – Perpendicular - Oven Dry Condition

Specimen Mark	Total Load, lbs.	Width, in.	Thickness, in.	Flexural Strength	
				PSI	MPa
1	870	4.07	1.45	953	6.57
2	685	4.05	1.36	857	5.91
3	735	4.03	1.39	885	6.10
4	810	4.02	1.43	924	6.37
5	895	4.02	1.48	953	6.57
Average of Sample:				910	6.30
Standard Deviation:				42	0.29

Note: Test span length = 12.5"

R. S. Wright Report Reviewed by: _____

Robert S. Wright, P.E.

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