



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.:** 050208C

**REPORT OF:** Specific Gravity and Absorption of Dimension Stone  
**TEST METHOD:** ASTM C-97  
**LAB NUMBER:** G-4115  
**MATERIAL SOURCE:** Cobra Stone, Inc.; Williamson County, Texas  
**MATERIAL DESCRIPTION:** Dimension Stone, Light Brownish Grey Limestone; 3" cubes, sawn faces and sides; "Grey Lueders Limestone"  
**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	450.7	265.0	429.5	4.94	144.3	2.313
2	448.2	263.0	428.9	4.50	144.5	2.316
3	456.1	267.2	436.9	4.39	144.3	2.313
4	455.1	266.9	435.9	4.40	144.5	2.316
5	465.6	273.9	445.4	4.54	145.0	2.323
<b>Average of Sample:</b>				<b>4.55</b>	<b>144.5</b>	<b>2.316</b>
<b>Standard Deviation:</b>				<b>0.22</b>	<b>0.27</b>	<b>0.004</b>

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-4115  
**MATERIAL SOURCE:** Cobra Stone, Inc.; Williamson County, Texas  
**MATERIAL DESCRIPTION:** Dimension Stone, Light Brownish Grey Limestone; 2-1/4" x 4" x 8",  
 sawn faces and sides; "Grey Lueders Limestone"  
**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.	Modulus of Rupture	
				PSI	MPa
1	3,170	4.12	2.27	1,568	10.81
2	2,645	4.04	2.29	1,311	9.04
3	2,885	4.05	2.31	1,402	9.66
4	2,540	4.04	2.30	1,248	8.60
5	3,230	4.04	2.26	1,644	11.33
<b>Average of Sample:</b>				<b>1,430</b>	<b>9.89</b>
<b>Standard Deviation:</b>				<b>168</b>	<b>1.16</b>

Note: Test span length = 7.0"

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**Control No.:** 050208C

**REPORT OF:** Compressive Strength of Dimension Stone  
**TEST METHOD:** ASTM C-170  
**LAB NUMBER:** G-4115  
**MATERIAL SOURCE:** Cobra Stone, Inc.; Williamson County, Texas  
**MATERIAL DESCRIPTION:** Dimension Stone, Light Brownish Grey Limestone; 3" cubes, sawn faces and sides; "Grey Lueders Limestone"  
**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	43,450	3.03	3.03	9.18	4,733	32.63
2	40,515	3.03	3.03	9.18	4,413	30.43
3	53,730	3.16	3.12	9.86	5,450	37.57
4	48,290	3.04	3.04	9.24	5,225	36.03
5	50,875	3.03	3.07	9.30	5,469	37.71
<b>Average of Sample:</b>					5,060	34.87
<b>Standard Deviation:</b>					467	3.22

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**REPORT OF:** Flexural Strength of Dimension Stone  
**TEST METHOD:** ASTM C-880  
**LAB NUMBER:** G-4115  
**MATERIAL SOURCE:** Cobra Stone, Inc.; Williamson County, Texas  
**MATERIAL DESCRIPTION:** Dimension Stone, Light Brownish Grey Limestone; 4" x 1-1/4" x 15",  
 sawn faces and sides; "Grey Lueders Limestone"  
**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.	Flexural Strength	
				PSI	MPa
1	865	4.03	1.26	1,267	8.74
2	745	4.03	1.26	1,092	7.53
3	610	4.03	1.26	894	6.16
4	840	4.02	1.25	1,254	8.64
5	820	4.03	1.26	1,202	8.28
Average of Sample:				1,140	7.87
Standard Deviation:				155	1.07

Note: Test span length = 12.5"

Report Reviewed by: \_\_\_\_\_

Robert S. Wright, P.E.

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