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**Transmittal of Compression Test of Shotcrete Cubes**

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**Client:** Broadmoor, LLC  
Mr. Daryl J. Matherne  
2740 North Arnoult Road  
Metairie, LA 70002

**Project:** Terra Bella Pool & Cabana - 100 Terra Bella Blvd.,  
Covington, Louisiana - Job No. 1800100 - Sub Job  
No. 1800101

**Prev. Rpt. Date:** 07/03/2018 **Revised**  
**Report Date:** 07/09/2018

**Work Order Date:** 06/22/2018  
**Work Order No:** 31095

**Project No:** C18-025  
**Report No:** 009

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Please find attached a copy of our Compression Test of Shotcrete Cubes Report for the referenced project. We appreciate the opportunity to provide our services. If you should have any questions, please give us a call.

1-ec Broadmoor, LLC Attn: Mr. Stephen Darre'  
1-ec Broadmoor, LLC Attn: Mr. Daryl J. Matherne  
1-ec Broadmoor, LLC Attn: Ms. Patty Long  
1-cc Laboratory

Respectfully Submitted,  
Stratum Engineering, LLC



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Gregory Richards, Senior Project Manager



**REPORT OF COMPRESSION TEST OF SHOTCRETE CUBES**

**TESTED FOR:** Broadmoor, LLC  
 2740 North Arnoult Road  
 Metairie, LA 70002

**PROJECT:** Terra Bella Pool and Cabana  
 100 Terra Bella Boulevard  
 Covington, LA

Attn: Mr. Daryl J. Matherne

**DATE:** June 22, 2018

**SE REPORT NO.:** C18-025-009

**REMARKS:**

Tests were performed on two (2) shotcrete panels from the above referenced project site for the purpose of determining compressive strength. The panels were sprayed on the site on June 8, 2018 and were moist cured in our laboratory until the time of testing. Six (6) cubes were saw cut from the center portion of each panel and were prepared and tested in general accordance with ACI 506 and ASTM C1140 procedures. Test results are as follows:

Panel No.	Specimen No.	Width (in.)	Width (in.)	Height (in.)	Area (Sq. in.)	Load (lbs.)	Test Date	Strength (PSI)	Average Strength (PSI)	Age at Test Days
1	A	2.92	2.90	3.01	8.47	40,215	6/22/18	4,750	4,530	14
1	B	2.90	2.88	3.05	8.35	43,405	6/22/18	5,200	"	14
1	C	2.85	2.92	3.08	8.32	30,220	6/22/18	3,630	"	14
1	D	2.89	2.90	3.10	8.38	40,045	7/6/18	4,780	4,980	28
1	E	2.91	2.85	2.99	8.29	44,735	7/6/18	5,400	"	28
1	F	2.92	2.90	2.98	8.47	40,365	7/6/18	4,770	"	28
2	A	2.89	2.90	3.10	8.38	33,910	6/22/18	4,050	3,570	14
2	B	2.87	2.89	3.00	8.29	23,890	6/22/18	2,880	"	14
2	C	2.82	2.88	3.03	8.12	30,725	6/22/18	3,780	"	14
2	D	2.91	2.94	3.09	8.56	38,605	7/6/18	4,510	4,460	28
2	E	2.83	2.91	3.02	8.24	37,590	7/6/18	4,560	"	28
2	F	2.90	2.92	3.06	8.47	36,415	7/6/18	4,300	"	28

Based upon the test results, the average strength of the shotcrete at 28 days is 4,720 PSI.

NOTE: 1. The cubes were tested perpendicular to the plane of the panels.

Respectfully submitted,  
 Stratum Engineering, LLC

Gregory J. Richards  
 Senior Project Manager