



Laboratory Report of Stone Veneer

Client: **Silver Sierra Stone**
 Address: **4745 Mitchell Street**
North Las Vegas, NV 89081

Report Date: **9/30/09**
 Job Number: **09077**
 Lab Number: **2013**

Project Name: **Stone Veneer**
 Test Method: **C567-05a, C 39, C 67-07 sec. 8**
 Standards: **IAS AC 51**

Contractor: **Silver Sierra Stone**
 Material Supplier: **Silver Sierra Stone**
 Sample Date: **4/16/09**
 Sampled By: **Client / KS**

Compressive Strength (white cement set #1)

Specimen ID	Date Tested	Test Age Days	Maximum Load lbs / force	Compressive Strength (psi)	Minimum Specification (psi)
A	4/23/09	7	60710	4830	2000
B	4/30/09	14	72240	5745	2000
C	5/7/09	21	76690	6100	2000
D	5/14/09	28	77040	6130	2000
E	5/14/09	28	77900	6195	2000

Compressive Strength (white cement set # 2)

Specimen ID	Date Tested	Test Age Days	Maximum Load lbs / force	Compressive Strength (psi)	Minimum Specification (psi)
A	4/23/09	7	59780	4755	2000
B	4/30/09	14	70270	5590	2000
C	5/7/09	21	75410	6000	2000
D	5/14/09	28	77260	6145	2000
E	5/14/09	28	79280	6305	2000

Compressive Strength (grey cement set # 1)

Specimen ID	Date Tested	Test Age Days	Maximum Load lbs / force	Compressive Strength (psi)	Minimum Specification (psi)
A	4/23/09	7	26970	2145	2000
B	4/30/09	14	41190	3275	2000
C	5/7/09	21	45580	3625	2000
D	5/14/09	28	50190	3990	2000
E	5/14/09	28	51040	4060	2000

Compressive Strength (grey cement set # 2)

Specimen ID	Date Tested	Test Age Days	Maximum Load lbs / force	Compressive Strength (psi)	Minimum Specification (psi)
A	4/23/09	7	28040	2230	2000
B	4/30/09	14	40260	3200	2000
C	5/7/09	21	45910	3650	2000
D	5/14/09	28	52340	4165	2000
E	5/14/09	28	53450	4250	2000

Properties (white cement)			
Specimen ID	Absorption (lbs/ft ³)	Unit Weight/Density (lbs/ft ³)	Weight Classification (lbs./ft.3)
D	12.8	94.8	Less than 105
E	12.4	105.7	Less than 105
F	12.8	103.4	Less than 105
Average	12.6	101.3	Less than 105
Specification	Max. 18.0		
Properties (grey cement)			
Specimen ID	Absorption (lbs/ft ³)	Unit Weight/Density (lbs/ft ³)	Weight Classification (lbs./ft.3)
D	12.5	98.9	Less than 105
E	12.4	102.7	Less than 105
F	12.2	101.9	Less than 105
Average	12.4	101.2	Less than 105
Specification	Max. 18.0		

ASTM C 67 -07 Sec. 8 Freezing & Thawing

This testing was performed on Silver Sierra Stones production made Veneer stone. All requirements for this test method were met or substantially exceeded. The stone was within the maximum / minimum of requirements for percent loss, and wear. All Testing was followed by the above-mentioned ASTM.

Comments:

The materials utilized in our laboratory tests are considered representative of the specific source area; however, soil materials can vary in characteristics. AMTI Sunbelt, LLP assumes no responsibility or liability for work, testing or recommendations performed or provided by others. Since our testing is based upon the materials obtained, the conclusions and recommendations are professional opinions. These opinions have been derived in accordance with the current standards of practice and no warranty is expressed or implied. Standards of practice are subject to change with time. The opportunity to be of service to you on this project is greatly appreciated. If you have any questions concerning this report or if we may be of further assistance, please do not hesitate to contact our office.

Laboratory Manager
James Wilson



Principal Engineer
Kirby P. Adams

