



Client: Telling Architectural
 Project:

Date: 7/31/2013
 Lab # 11049

Sample: ASTM C216 Facing Brick

PROCEDURE : ASTM C 67

1) WATER ABSORPTION

PROCEDURE : 24-h Submersion + 5-h Boiling

Sample #	Dry Weight gr.	Saturated Weight 24-h Submersion gr.	Absorption (24-h Submersion) %	Saturated Weight 5-h Boil gr.	Absorption (5-h Boil) %	Saturated Coefficient
1	893	944.2	5.73	970	8.62	0.66
2	893.1	951.6	6.55	976.2	9.30	0.70
3	893.4	939.5	5.16	981.4	9.85	0.52
4	893.1	962.8	7.80	990.9	10.95	0.71
5	892.8	960.5	7.58	986.3	10.47	0.72
Average :					9.84	0.67
Required per ASTM C216 Grade SW, max.:					17.0	0.78

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2) COMPRESSIVE STRENGTH

Procedure: ASTM C67

Sample #	Area sq. in.	Maximum Load lbs.	Compressive Strength psi.
1	22.13	164320	7425
2	22.02	153900	6989
3	22.20	158740	7150
4	22.15	123560	5578
5	22.18	141000	6357
Average :			6700
Required per ASTM C216 Grade SW, min.:			3000

3) Freeze-Thaw

Procedure: ASTM C67

Sample #	Original Dry Weight, gm.	Final Dry Weight, gm.	Percentage Loss
1	893.3	891.4	0.2
2	892.7	890.7	0.2
3	890.1	886.9	0.4
4	892.6	889.2	0.4
5	891.7	889.7	0.2
Average :			0.3

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