



- CONSULTANTS
- ENVIRONMENTAL
- GEOTECHNICAL
- MATERIALS
- FORENSICS

REPORT OF STONE TESTING
ASTM C615-11 "STANDARD SPECIFICATION FOR GRANITE DIMENSION STONE"

PROJECT:
STONE TESTING

REPORTED TO:
REALSTONE SYSTEMS
560 KIRTS BOULEVARD
SUITE 120
TROY, MI 48084

ATTN: MIKE QUARTON

AET PROJECT NO: 20-13398

DATE: NOVEMBER 16, 2015

Product Type: Bristol Black Granite
Date Tested: November 9 to 16, 2015

Conformance: The stone samples meet ASTM:C615-11 modulus of rupture, absorption and density requirements for granite dimension stone.

Modulus of Rupture (psi): ASTM C99-15 "Standard Test Method for Modulus of Rupture of Dimension Stone"

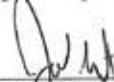
Sample	A	B	C	D	Average	Requirements ASTM C615
Perpendicular to Bedding Rift						
Dry	3,000	2,400	2,410	2,750	2,720	1,500

Physical Properties: ASTM C97-15 "Standard Test Methods for Absorption and Bulk Specific Gravity of Dimension Stone"

Sample	A	B	C	D	Average	Requirements ASTM C615
Specific Gravity:	2.671	2.680	2.673	2.688	2.739	
Bulk Density, pcf:	166.7	167.2	166.8	167.7	167.1	160 Min
Absorption, %	0.5	0.3	0.5	0.3	0.4	0.4Max

Remarks: The samples were destroyed during testing and discarded. The ASTM standards for the respective tests require 5 samples to be tested for each orientation and conditions. Four samples were submitted for each condition and orientation. It is our understanding the material source could not provide the dimensions required for the tests.

Report Prepared By:



John J. Haupt
Senior Engineer

Report Reviewed By:



David G. Wirth
Manager, Construction Services

