



Laboratory Test Report

Reference # 18-10
Customer ID: 4942

Test Specimens Provided by: **Stony Creek Quarry Corporation**
99 Quarry Rd.
Branford, CT 06405

Trade Name of Material: **Stony Creek Granite**
Country of Origin: **USA**
Test Procedure: **ASTM C170 Standard Test Method for Compressive Strength of Dimension Stone**
Rift Orientation: **Not Provided**
Preconditioning: **Dry 48 hours in a ventilated oven at 60 ± 2°C**

TEST RESULTS						
Specimen Number	Length (in)	Width (in)	Area (in ²)	Load @ Failure (lbs)	Compressive Strength (lbs/in ²)	Compressive Strength (MPa)
NP-C170-1	2.98	2.99	8.91	181,400	20,360	140.4
NP-C170-2	2.98	2.99	8.91	186,700	20,950	144.5
NP-C170-3	2.94	2.98	8.76	159,900	18,250	125.9
NP-C170-4	2.97	2.97	8.82	186,900	21,190	146.1
NP-C170-5	2.98	2.99	8.91	192,400	21,590	148.9
Average Compressive Strength:					20,470	141.2
Standard Deviation:					1,318	9.1
Coefficient of Variation:					6.4%	6.4%

Date of Tests: **Monday, 20 January, 2020**
Tests performed by: **R. Lawson**
Report and Data Reviewed by: **C. Muehlbauer**

These tests were performed on a Test Mark Model CM-4000-i720 Hydraulic Testing Machine, Serial No. 160618. Last Date of Calibration: August 19, 2019, traceable to the National Institute of Standards Technology (NIST).



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Trade Name of Material: **Stony Creek Granite**
Country of Origin: **USA**
Test Procedure: **ASTM C170 Standard Test Method for Compressive Strength of Dimension Stone**
Rift Orientation: **Parallel**
Preconditioning: **Dry 48 hours in a ventilated oven at 60 ± 2°C**

TEST RESULTS						
Specimen Number	Length (in)	Width (in)	Area (in ²)	Load @ Failure (lbs)	Compressive Strength (lbs/in ²)	Compressive Strength (MPa)
LLD-C170-1	3.00	3.01	9.03	207,100	22,930	158.1
LLD-C170-2	2.98	3.02	9.00	189,100	21,010	144.9
LLD-C170-3	2.98	3.00	8.94	198,000	22,150	152.7
LLD-C170-4	2.98	2.94	8.76	203,400	23,220	160.1
LLD-C170-5	2.97	2.97	8.82	220,200	24,970	172.1

Average Compressive Strength: 22,860 157.6

Standard Deviation: 1,459 10.0

Coefficient of Variation: 6.4% 6.4%

Date of Tests: **Monday, 20 January, 2020**
Tests performed by: **R. Lawson**
Report and Data Reviewed by: **C. Muehlbauer**

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