

# CONSTRUCTION TECHNOLOGY

INSPECTION & TESTING DIVISION, P.D. & T.S., INC.

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CLIENT: **ADIRONDACK NATURAL STONE**

POST OFFICE BOX 225

WHITEHALL, NEW YORK 12887

REPORT DATE: 09/19/07

OUR FILE NUMBER: 1246.001

LAB CONTROL NUMBER: 9538

PROJECT: **DIMENSION STONE EVALUATION: HAWTHORNE PRODUCT**

TEST PARAMETER:		ASTM C-97: ABSORPTION & BULK SPECIFIC GRAVITY OF DIMENSION STONE				
SPECIMEN NUMBER	DRY WEIGHT	SUBMERGED	SURFACE DRY	SPECIFIC GRAVITY	ABSORPTION	
1	464.93	291.61	466.14	2.66	0.26%	
2	459.81	288.60	461.07	2.67	0.27%	
3	458.83	287.83	460.16	2.66	0.29%	
AVERAGE SPECIFIC GRAVITY & ABSORPTION:				2.66	0.27%	

TEST PARAMETER:		ASTM C-99: MODULUS OF RUPTURE OF DIMENSION STONE: PERPENDICULAR TO RIFT				
SPECIMEN NUMBER	SPAN	WIDTH	THICKNESS	APPLIED LOAD	RUPTURE (psi)	
1	7.00	4.11	2.31	5349	2561	
2	7.00	4.08	2.35	4462	2079	
3	7.00	4.13	2.33	4887	2289	
4	7.00	4.16	2.31	4632	2191	
5	7.00	4.14	2.36	4830	2199	
AVERAGE MODULUS OF RUPTURE (psi):					2264	

TEST PARAMETER:		ASTM C-99: MODULUS OF RUPTURE OF DIMENSION STONE: PARALLEL TO RIFT				
SPECIMEN NUMBER	SPAN	WIDTH	THICKNESS	APPLIED LOAD	RUPTURE (psi)	
1	7.00	4.15	2.33	3472	1618	
2	7.00	4.15	2.35	4076	1867	
3	7.00	4.12	2.30	3726	1795	
4	7.00	4.13	2.29	3500	1697	
5	7.00	4.16	2.34	4151	1913	
AVERAGE MODULUS OF RUPTURE (psi):					1778	

TEST PARAMETER:		ASTM C-170: COMPRESSIVE STRENGTH OF DIMENSION STONE: PERPENDICULAR TO RIFT				
SPECIMEN NUMBER	HEIGHT	LENGTH	WIDTH	APPLIED LOAD	UNIT PSI	
1	2.250	2.266	2.222	24150	4796	
2	2.285	2.280	2.218	20050	3965	
3	2.129	2.271	2.270	27500	5334	
4	2.169	2.274	2.251	23100	4513	
5	2.153	2.269	2.244	21850	4291	
AVERAGE COMPRESSIVE STRENGTH (psi):					4580	

TEST PARAMETER:		ASTM C-170: COMPRESSIVE STRENGTH OF DIMENSION STONE: PARALLEL TO RIFT				
SPECIMEN NUMBER	HEIGHT	LENGTH	WIDTH	APPLIED LOAD	UNIT PSI	
1	2.232	2.245	2.255	29200	5768	
2	2.257	2.263	2.230	26300	5212	
3	2.244	2.239	2.221	31350	6304	
4	2.231	2.248	2.246	33600	6655	
5	2.229	2.252	2.229	30050	5986	
AVERAGE COMPRESSIVE STRENGTH (psi):					5985	

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RESPECTFULLY,

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TOM JOSLIN, S.E.T. (NICET)

MANAGER TECHNICAL SERVICES