



American Granite Curb Producers

**Chelmsford Gray**

<b>Client:</b>	Fletcher Granite Company	<b>Project:</b>	Chelmsford Gray
<b>Material:</b>		<b>Project Number:</b>	
<b>Source:</b>	Submitted by Fletcher Granite Co.	<b>Report Number:</b>	UU-892
<b>Date Sample Received:</b>	4/08/1996	<b>Sampled By:</b>	Client
<b>Date Tested:</b>	4/24/1996	<b>Tested By:</b>	TCNA

<b>Report of Compressive Strength of Dimension Stone</b>				
<b>Test Method: ASTM C170</b>				
<b>Specimen</b>	<b>Load Parallel to Rift</b>		<b>Load Perpendicular to Rift</b>	
	<b>Dry Condition, psi</b>	<b>Wet Condition, psi</b>	<b>Dry Condition, psi</b>	<b>Wet Condition, psi</b>
<b>1</b>	17,700	18,300	20,800	21,900
<b>2</b>	24,500	25,300	24,100	23,400
<b>3</b>	23,800	25,800	28,900	23,100
<b>4</b>	24,500	20,500	20,200	22,700
<b>5</b>	25,800	24,300	28,500	24,200
<b>Avg</b>	23,300	22,800	24,500	23,100

<b>Report of Flexural Strength of Dimension Stone Testing</b>				
<b>Test Method: ASTM C 880</b>				
<b>Stone Type: Granite</b>				
<b>Sample#</b>	<b>Load Parallel to Rift</b>		<b>Load Perpendicular to Rift</b>	
	<b>Dry Condition, psi</b>	<b>Wet Condition, psi</b>	<b>Dry Condition, psi</b>	<b>Wet Condition, psi</b>
<b>1</b>	1,160	840	1,770	1,290
<b>2</b>	1,150	1,030	1,940	1,420
<b>3</b>	1,350	990	1,830	1,280
<b>4</b>	960	840	1,980	1,480
<b>5</b>	1,200	980	1,780	1,620
<b>Avg</b>	1,160	940	1,860	1,420

<b>Absorption and Bulk Specific Gravity of Dimension Stone</b>						
<b>Test Method: ASTM C97</b>						
<b>Sample Number</b>	<b>Dry Weight</b>	<b>SSD Weight</b>	<b>Weight in Water</b>	<b>Absorption, % of Dry Weight</b>	<b>Bulk Specific Gravity</b>	<b>Units Weight lbs/cu ft</b>
<b>1</b>				0.28	2.61	162.9
<b>2</b>				0.33	2.63	164.1
<b>3</b>				0.27	2.65	165.4
<b>4</b>				0.34	2.63	164.1
<b>5</b>				0.31	2.64	164.7
<b>Avg</b>				0.31	2.63	164.2



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Modulus of Rupture of Dimension Stone				
Test Method: ASTM C 99-87				
Stone Type: Granite				
Sample#	Load Parallel to Rift		Load Perpendicular to Rift	
	Dry Condition, psi	Wet Condition, psi	Dry Condition, psi	Wet Condition, psi
1	1,640	1,570	3,070	2,730
2	1,620	1,400	3,250	2,930
3	1,760	1,640	3,280	2,590
4	1,930	1,520	3,340	2,940
5	1,590	1,580	3,470	3,100
<b>Avg</b>	1,710	1,540	3,280	2,860

Samples provided:

- 10 nominal 12"x 1 ½" x 1" bars, marked by us as R (Rift)
- 10 nominal 12"x 1 ½" x 1" bars, marked by us as HG (Head Grain)
- 10 nominal 8"x 4" x 2" bars, marked by us as R (Rift)
- 10 nominal 8"x 4" x 2" bars, marked by us as HG (Head Grain)
- 10 nominal 3" cubes, marked by us as R (Rift)
- 10 nominal 3" cubes, marked by us as HG (Head Grain)

Test Procedure – ASTM Designation: C 615-85, "Standard Specification for Granite Dimension Stone"



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