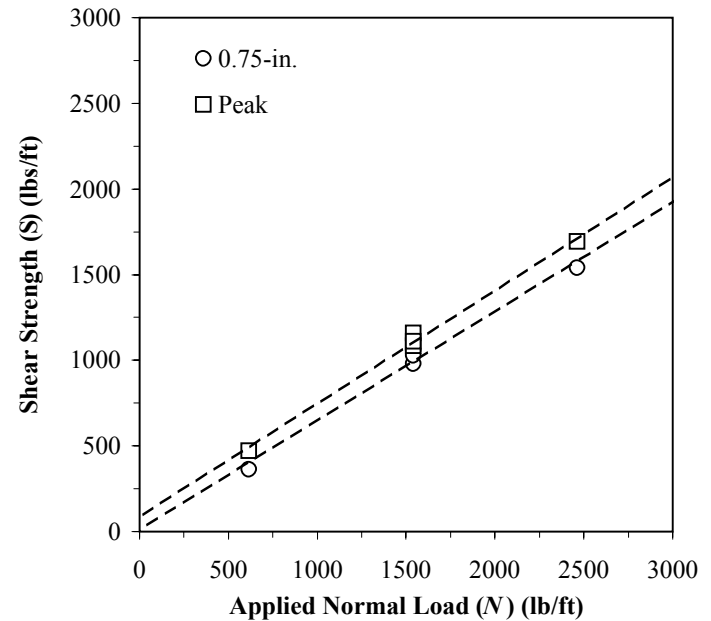
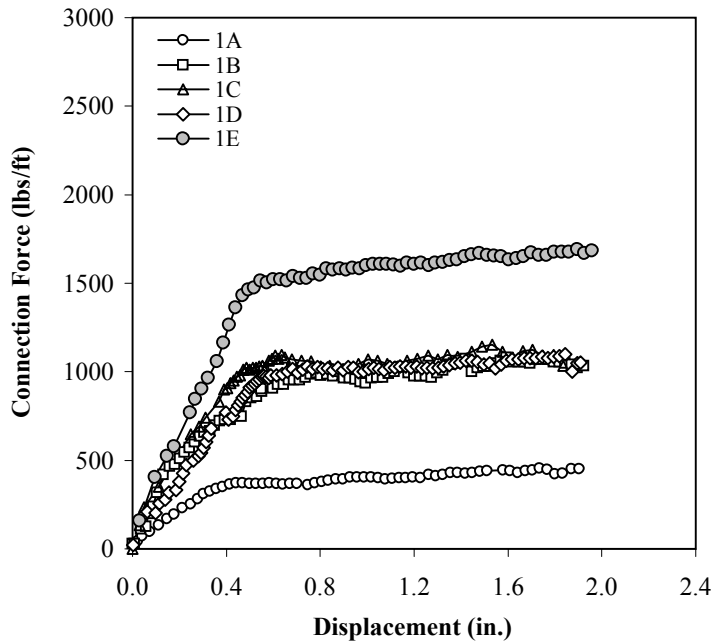


**GEOSTONE RETAINING WALL SYSTEMS, INC.
BLOCK SHEAR TESTING (NCMA TEST METHOD SRWU-2)**

TEST SERIES NO.1: Geostone 4" thick block unit/Geostone 4" thick block units with compacted AASHTO #57 stone (grave)



Test No.	Test Specimen Width (in.)	Test Normal Stress (psi)	Equivalent Normal Load (lb/ft)	Approx. No. of Blocks	Approx. Height (ft)	0.75-in. Strength (lb/ft)	Peak Strength (lb/ft)	Shear Strength Equations (S)
1A	17.8	4.3	616	8	5.0	361	470	$S_{0.75-in.} = 10 + (N) \tan (33^\circ)$ $ST_{peak} = 85 + (N) \tan (33^\circ)$
1B	17.8	10.7	1540	19	12.5	979	1082	
1C	17.8	10.7	1540	19	12.5	1059	1157	
1D	17.8	10.7	1540	19	12.5	1028	1108	
1E	17.8	17.1	2464	30	20.0	1539	1691	

Note:

Dimensions of Geostone Block Unit: 17.75 in. wide by 12 in. long and 4 in. high.

Weight of a Full-Size Geostone Block: 37.5 lbs.

Average Unit Weight of Facing (Block and Gravel): 123.2 pcf

DATE TESTED: 27 May 2004



SGI TESTING SERVICES, LLC

FIGURE NO.	C-1
PROJECT NO.	SGI1053
DOCUMENT NO.	
FILE NO.	