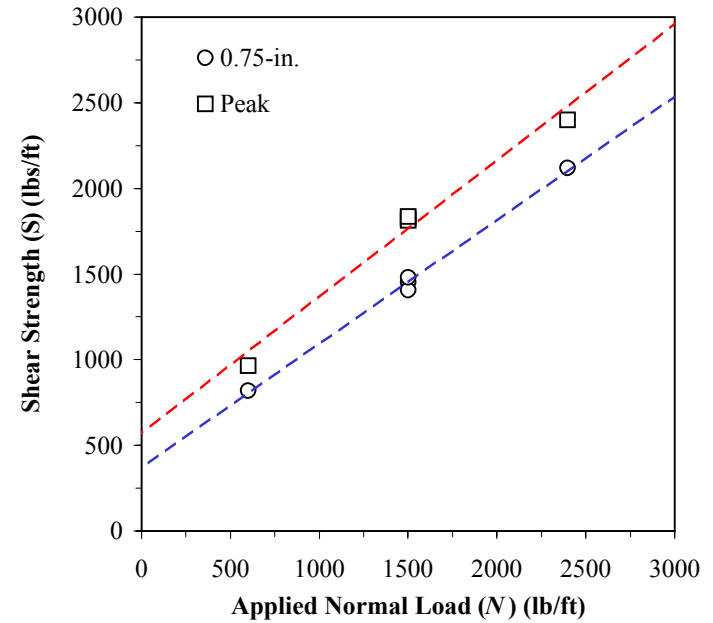
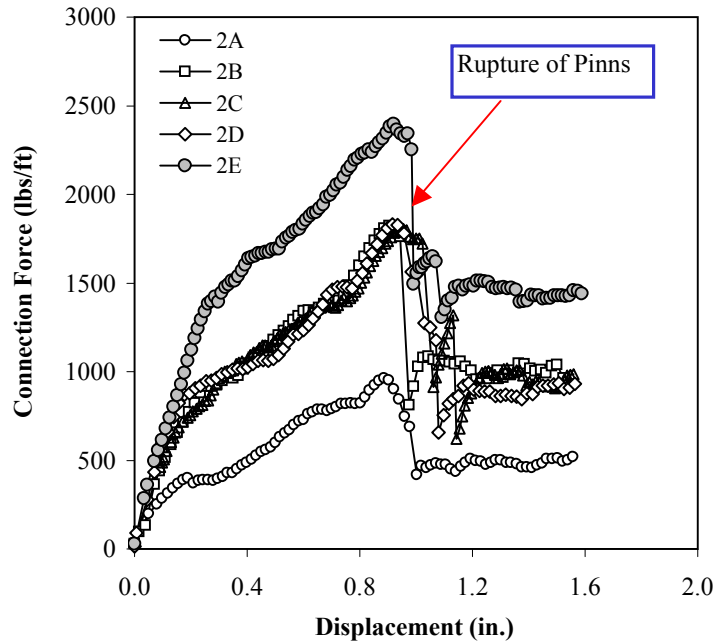


**VYKING WALL SYSTEMS, LLC.
BLOCK SHEAR TESTING (ASTM D 6916)**

TEST SERIES NO. 2: Vyking core block unit /Vyking core block units with 2 pins per block and with compacted AASHTO #57 stone



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)
2A	18.0	4.2	600	8	5.0	818	964	$S_{0.75-in.} = 370 + (N) \tan (36^\circ)$
2B	18.0	10.4	1500	19	12.5	1451	1824	
2C	18.0	10.4	1500	19	12.5	1404	1811	$S_{peak} = 570 + (N) \tan (39^\circ)$
2D	18.0	10.4	1500	19	12.5	1479	1833	
2E	18.0	16.7	2400	30	20.0	2118	2398	

NOTES:

Dimensions of Vyking Block Unit: 18 in. wide by 12 in. long and 6 in. high.

Weight of a Full-Size Block: 49.0 lbs.

Rupture (shear failure) of both pins occurred during each test.

DATE TESTED: 5 to 8 March 2004



SGI TESTING SERVICES, LLC

FIGURE NO.	C-2
PROJECT NO.	SGI3094
DOCUMENT NO.	SGI03122
FILE NO.	