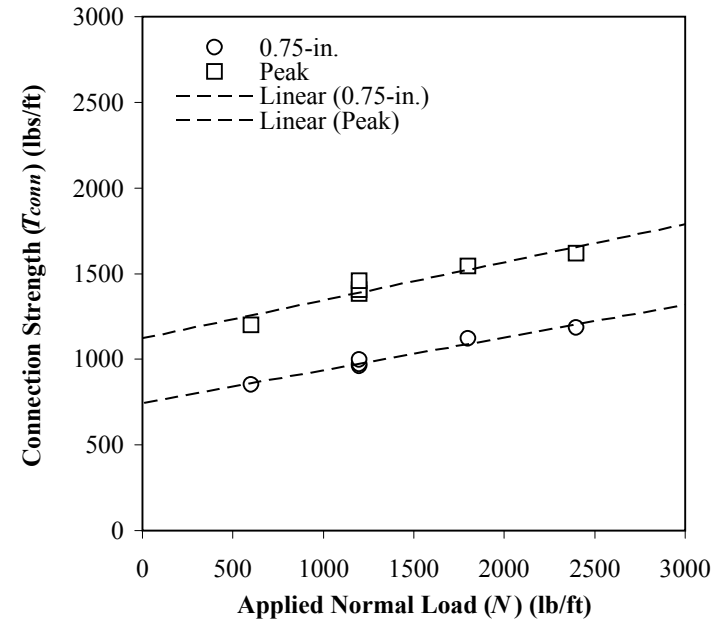
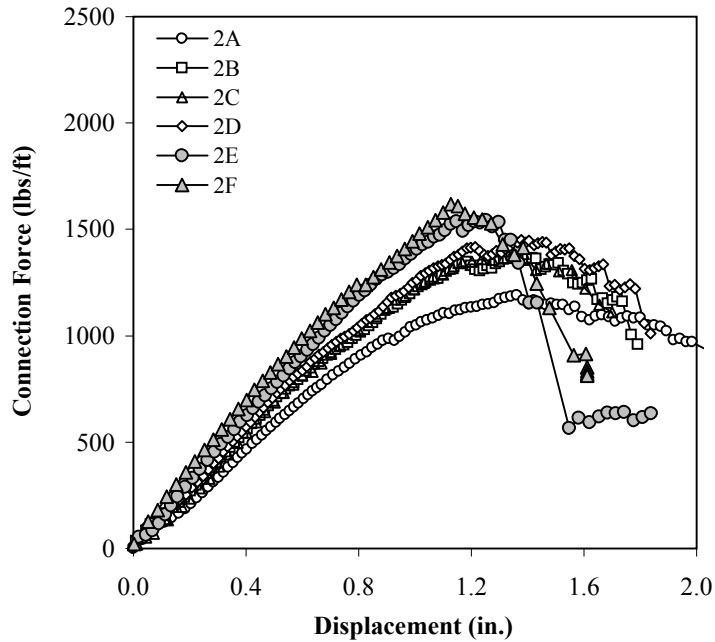


**VYKING WALL SYSTEMS, LLC.
CONNECTION STRENGTH TESTING (ASTM D 6638)**

TEST SERIES NO. 2: Fortrac 35/20-20 geogrid in machine direction within Vyking core block units with 2 pins per block and 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)	Connection Strength Equations (T_{conn})
2A	35.5	4.2	600	10	5.0	852	1199	$T_{0.75-in.} = 745 + (N) \tan (11^\circ)$ $T_{peak} = 1125 + (N) \tan (13^\circ)$
2B	35.5	8.3	1200	20	10.0	960	1384	
2C	35.5	8.3	1200	20	10.0	972	1406	
2D	35.5	8.3	1200	20	10.0	997	1457	
2E	35.5	12.5	1800	30	15.0	1121	1544	
2F	35.5	16.7	2400	40	20.0	1185	1618	

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.
 Failure Mode of Geogrid: abrasion and rupture of the geogrid ribs in each test.

DATE TESTED: 1 to 2 March 2004



SGI TESTING SERVICES, LLC

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