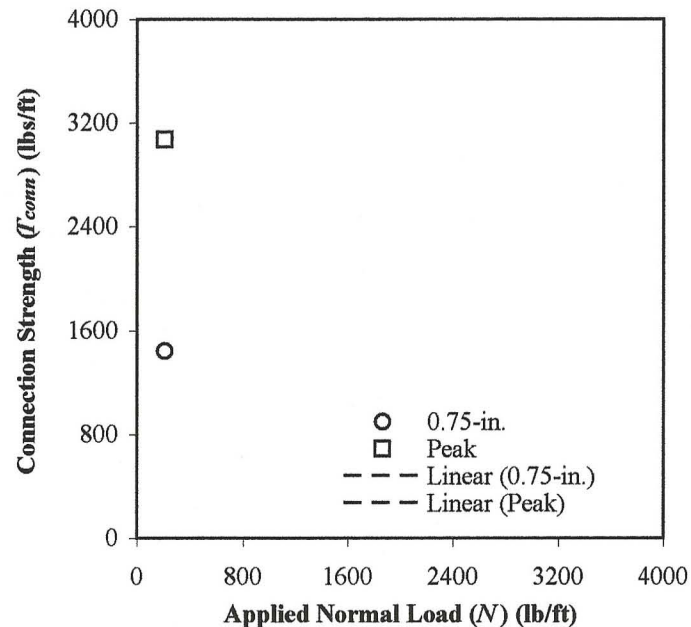
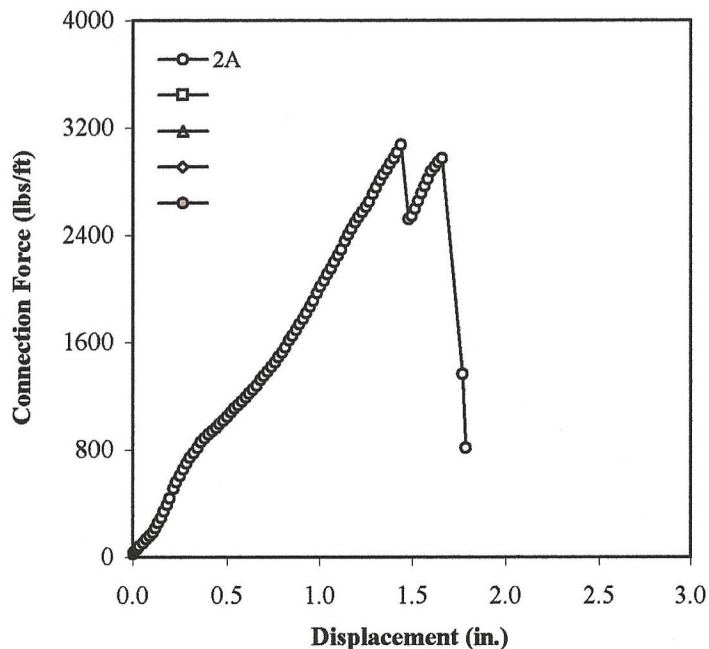


GEOSTONE RETAINING WALL SYSTEMS, INC. CONNECTION STRENGTH TESTING (ASTM D 6638)

TEST SERIES NO. 2: Synteen SF55 Geogrid in Machine Direction within Geostone Block Units with Gravel Bonded with Approximately 0.2 gal/ft of Epoxy-Sand Mix and Cured for 72 hours



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	35.0	1.5	210	3	1.8	1441	3073	
								$T_{0.75-in.} = ##### + (N) \tan (##^\circ)$
								$T_{peak} = ##### + (N) \tan (##^\circ)$

Note:
Dimensions of Geostone Block: 17.5 in. wide by 12 in. long and 8 in. high.
Weight of a Full-Size Geostone Block with Gravel: 114.2 lbs.



SGI TESTING SERVICES, LLC

DATE TESTED: 14 to 18 July 2001

FIGURE NO. C-2

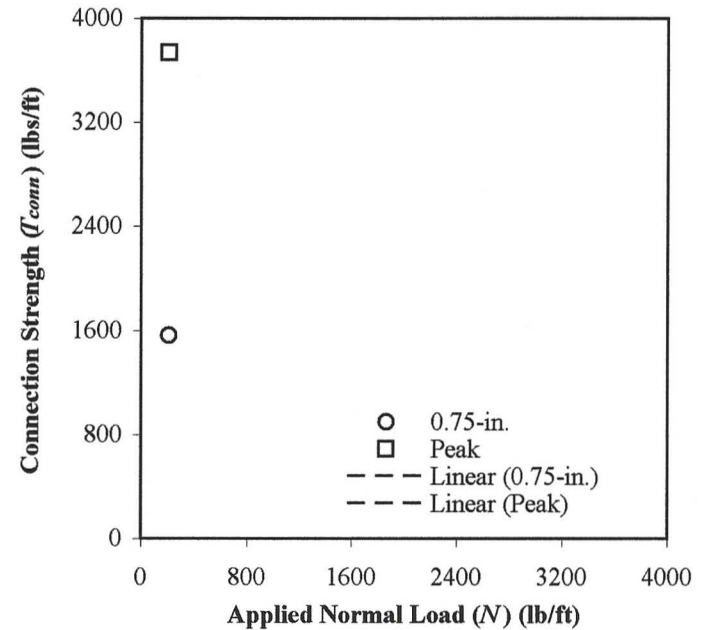
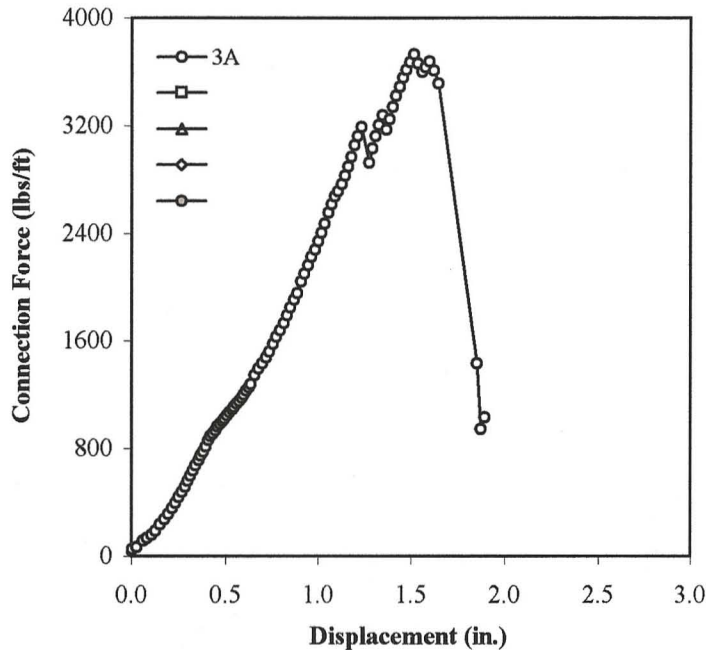
PROJECT NO. SGI1053

DOCUMENT NO.

FILE NO.

GEOSTONE RETAINING WALL SYSTEMS, INC. CONNECTION STRENGTH TESTING (ASTM D 6638)

TEST SERIES NO. 3: Synteen SF80 Geogrid in Machine Direction within Geostone Block Units with Gravel Bonded with Approximately 0.2 gal/ft of Epoxy-Sand Mix and Cured for 48 hours



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})
3A	35.5	1.5	210	3	1.8	1562	3737	
								$T_{0.75-in.} = ##### + (N) \tan (##^\circ)$
								$T_{peak} = ##### + (N) \tan (##^\circ)$

Note:
Dimensions of Geostone Block: 17.5 in. wide by 12 in. long and 8 in. high.
Weight of a Full-Size Geostone Block with Gravel: 114.2 lbs.

DATE TESTED: 16 to 18 November 2001



SGI TESTING SERVICES, LLC

FIGURE NO. C-3
PROJECT NO. SGI1053
DOCUMENT NO.
FILE NO.