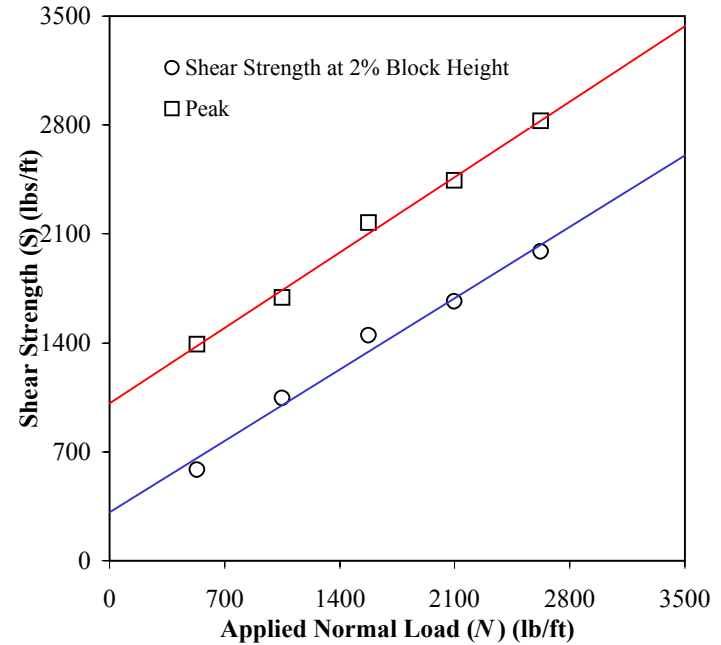
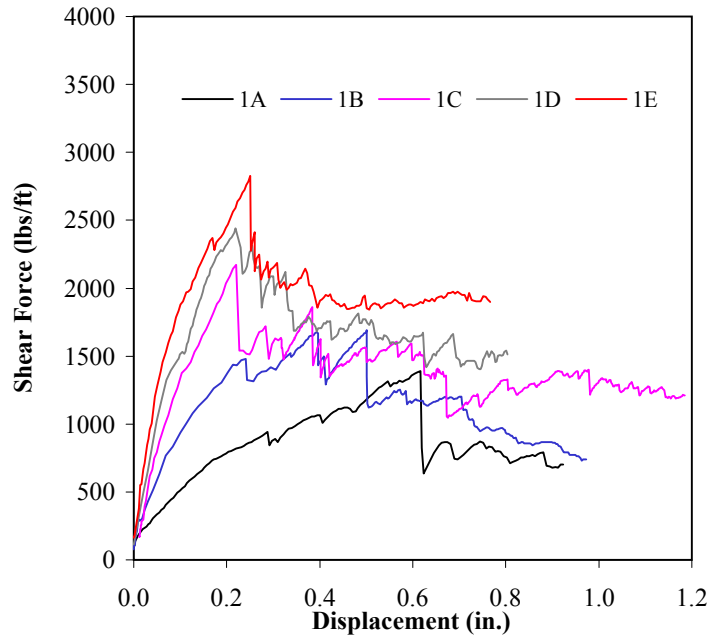


**WESTBLOCK SYSTEMS
BLOCK SHEAR TESTING (ASTM D 6916)**

TEST SERIES NO. 1: Jumbo NurseryStone block/Jumbo NurseryStone blocks with compacted AASHTO #57 stone within the spaces between blocks



| Test No. | Test Specimen Width (in.) | Test Normal Stress (psi) | Equivalent Normal Load (lb/ft) | 0.12-in. 2% x Block Height Load (lbs) | Peak Shear Load (lbs) | 0.12-in. 2% x Block Height Shear Strength (lb/ft) | Peak Shear Strength (lb/ft) | Shear Strength Equations |
|----------|---------------------------|--------------------------|--------------------------------|---------------------------------------|-----------------------|---|-----------------------------|---|
| 1A | 16.0 | 3.7 | 535 | 777 | 1855 | 583 | 1391 | $S_{0.75-in.} = 310 + (N) \tan (33^\circ)$ $S_{peak} = 1015 + (N) \tan (35^\circ)$ |
| 1B | 16.0 | 7.3 | 1050 | 1391 | 2254 | 1043 | 1691 | |
| 1C | 16.0 | 10.9 | 1575 | 1928 | 2896 | 1446 | 2172 | |
| 1D | 16.0 | 14.6 | 2100 | 2219 | 3255 | 1664 | 2441 | |
| 1E | 16.0 | 18.2 | 2625 | 2648 | 3768 | 1986 | 2826 | |

NOTES:

Dimensions of Block: 16 in. wide by 12 in. long and 6 in. high.
 Weight of Full-Size Block: 59 lbs
 Average Unit Weight of Facing: 101 pcf.
 Failure Mode of Block: Rotation of block and rupture of shear key in each test

DATE REPORTED 5/24/2010

FIGURE NO. C-1
 PROJECT NO. SGI9029
 DOCUMENT NO.
 FILE NO.



SGI TESTING SERVICES, LLC