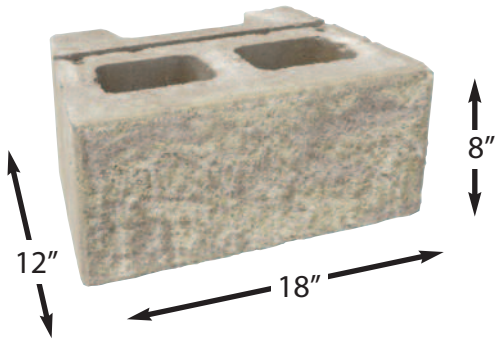
# Introduction & Unit Specifications
# VERSA-LOK® SQUARE FOOT™ UNITS

Square Foot™ units are made from high-strength, low-absorption concrete on concrete block machines. Each unit covers one square foot of wall face, making Square Foot™ retaining walls an economical choice for large commercial and agency projects. They are routinely used by many state transportation departments.

**All CST VERSA-LOK® Retaining Wall Units are made to ASTM C 1372-Standard Specifications of Segmental Retaining Wall Units.**

| | | |
|---|---|---|
| **Height:** | 8 inches | 203.2 mm |
| **Width (face):** | 18 inches | 457.2 mm |
| **Width (rear):** | 14 inches | 355.6 mm |
| **Depth:** | 12 inches | 304.8 mm |
| **Face Area:** | 1.0 foot$^2$ | 0.093 m$^2$ |
| **Weight:** | 84 lbs. | 39.46 kg |




## VERSA-TUFF® PIN

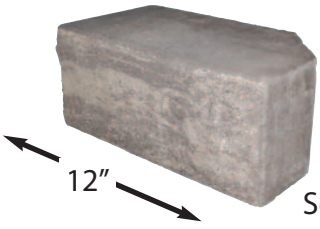
| | | |
|---|---|---|
| **Length:** | 6.8 inches | 172.7 mm |
| **Diameter:** | .48 inches | 12.2 mm |
| **Material:** | Glass-Reinforced Nylon | |

VERSA-LOK®
Retaining Wall Systems
Solid Solutions.™

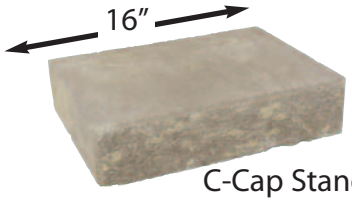
**www.cstpavers.com**

## VERSA-LOK® CORNER & CAP UNITS

| Product | Size | Weight/lbs Per Piece | Sq. Face Ft. Per Cube | Units Per Cube | Weight/lbs Per Cube | Pieces Per Face Ft. |
|---|---|---|---|---|---|---|
| VERSA-LOK® Square Foot Corner | 8″ x 8″x 9″ | 100 | N/A | 20 | 2000 | 1 |
| CST C-Cap Unit | 3 ⅝″x 16″ x 12″ | 57 | 19.2 | 48 | 2740 | .75 L Ft. |



Square Foot™ Corner

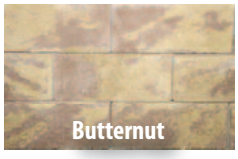


C-Cap Standard

**Colors:**










Special order only

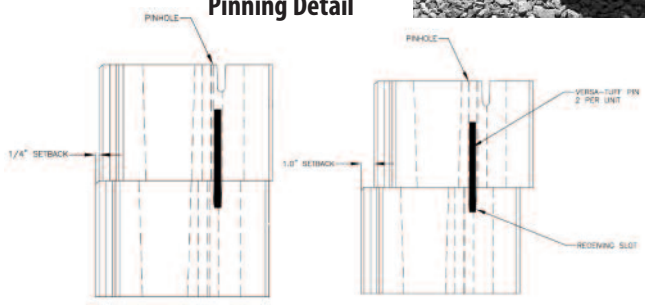
www.cstpavers.com

# VERSA-LOK® Square Foot™ System Overview

## Pinning

VERSA-LOK Square Foot™ units interlock with non-corrosive VERSA-TUFF® Pins (two per unit). As wall courses are installed, pins are inserted through holes in uppermost course units and are received in slots of adjacent lower course units. Receiving slots allow pinning for near vertical (1/4" setback) or canted (1" set-back) walls.

**Pinning Detail**



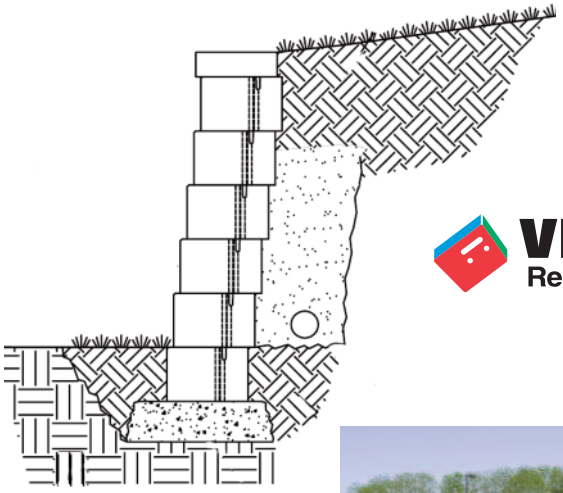

**1/4" setback** **1" setback**

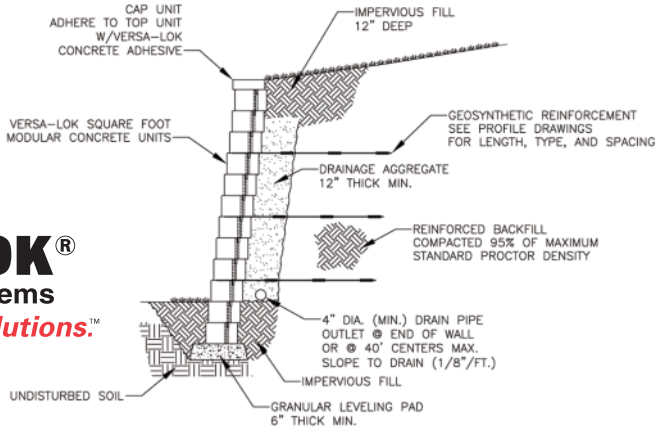
## Unreinforced Walls

For shorter walls, Square Foot™ retaining walls work purely as gravity systems--unit weight alone provides resistance to earth pressures. Batter setback of wall faces offers additional resistance against overturning. Maximum allowable wall height for gravity walls varies with soil and loading conditions. Generally, with level backfill, good soils, and no excessive loading, Square Foot™ Gravity walls are stable to heights of three feet.

## Reinforced Walls

When weight of units alone is not enough to resist soils loads, horizontal layers of geosynthetics are used to reinforce soil behind walls. With proper soil reinforcement and design, Square Foot™ retaining walls can be constructed to heights in excess of 50 feet. Geosynthetics and soil combine to create reinforced so5il structures that are strong and massive enough to resist forces exerted on them.



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