



RETAINING WALL

VERSA-LOK® SQUARE FOOT™

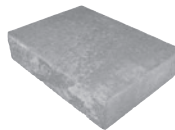
An affordable choice for large public works, institutional, residential and commercial projects.



Square Foot



Square Foot Corner



C-Cap



VL Pins
2 required per unit

DIMENSIONS

Product	Height (in.)	Width (in.)	Depth (in.)	Weight (lbs.)	Sq. Face Ft./ Cube	Units/Cube	Weight/ Cube (lbs.)	Part #
Square Foot	8	18	12	80	36	36	3,212	WVL08SFWLS
Square Foot Corner	8	18	9	98	NA	20	1,981	WVL08SFCRS
C-Cap	3 5/8	16	12	57	18	64 L.F./cube	2,713	WVL03CCAPS

VERSA-Tuff Pins: 6.8" Long • 0.48" Diameter • Glass-reinforced nylon

NOTE: Available in standard finish.

PRODUCT DETAILS

- 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 VERSA-LOK retaining wall units are made to ASTM C1372 - Standard specifications of segmental retaining wall units.
- Sq. Foot Corner calculations use both exposed faces of the corner stone. The minimum concave & convex radius for Square Foot units is 4' 6".
- Square Foot retaining walls are economically installed and mechanically fastened without mortar and do not require concrete footings. Like VERSA-LOK Standard, a pinning system is used.

AVAILABLE COLORS



Antique Grey



Butternut



Hickory Blend

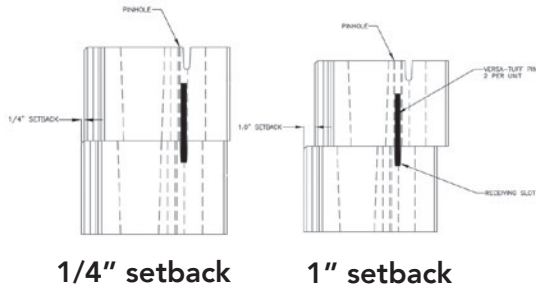


Raven Black
(C-Cap Only)



VERSA-LOK® SQUARE FOOT™ SYSTEM OVERVIEW

Pinning Detail

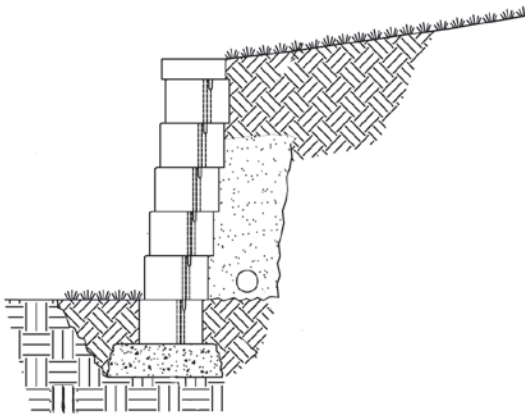


PINNING

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 ($\frac{1}{4}$ " setback) or canted (1" setback) walls.



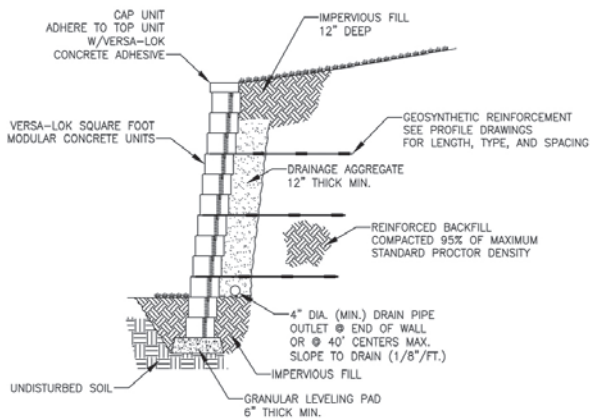
Unreinforced Wall



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 Wall



REINFORCED WALLS

When weight of units alone is not enough to resist soil 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 soil structures that are strong and massive enough to resist forces exerted on them.



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