

STONE STRONG SYSTEMS®



What is it that makes Stone Strong Systems the best block in precast? In a word — everything. In a constantly evolving retaining wall industry, challenges arise not only in finding innovative solutions, but also in finding ways around rising production costs and labor shortages. Finding a reliable solution to these obstacles can be a challenge for producers, designers, and installers. Fully engineered both structurally and geotechnically, Stone Strong delivers intelligent retaining wall solutions that are not only proven, but also reduce installation time, labor, and production costs.



SIMPLE

Lift/alignment loops ensure blocks interlock precisely and align units for consecutive level courses. Stone infill securely locks blocks together without any mechanical assistance.



ROBUST

24-square-foot block reduces labor costs and installation time, while its sheer size and weight provides structural strength without any need for tie-backs or additional mechanics.



EFFICIENT

Less weight per square foot translates into reduced transportation cost and a much faster, easier, and less costly installation. — install 1,500 square feet of block a day with just a three-man crew.



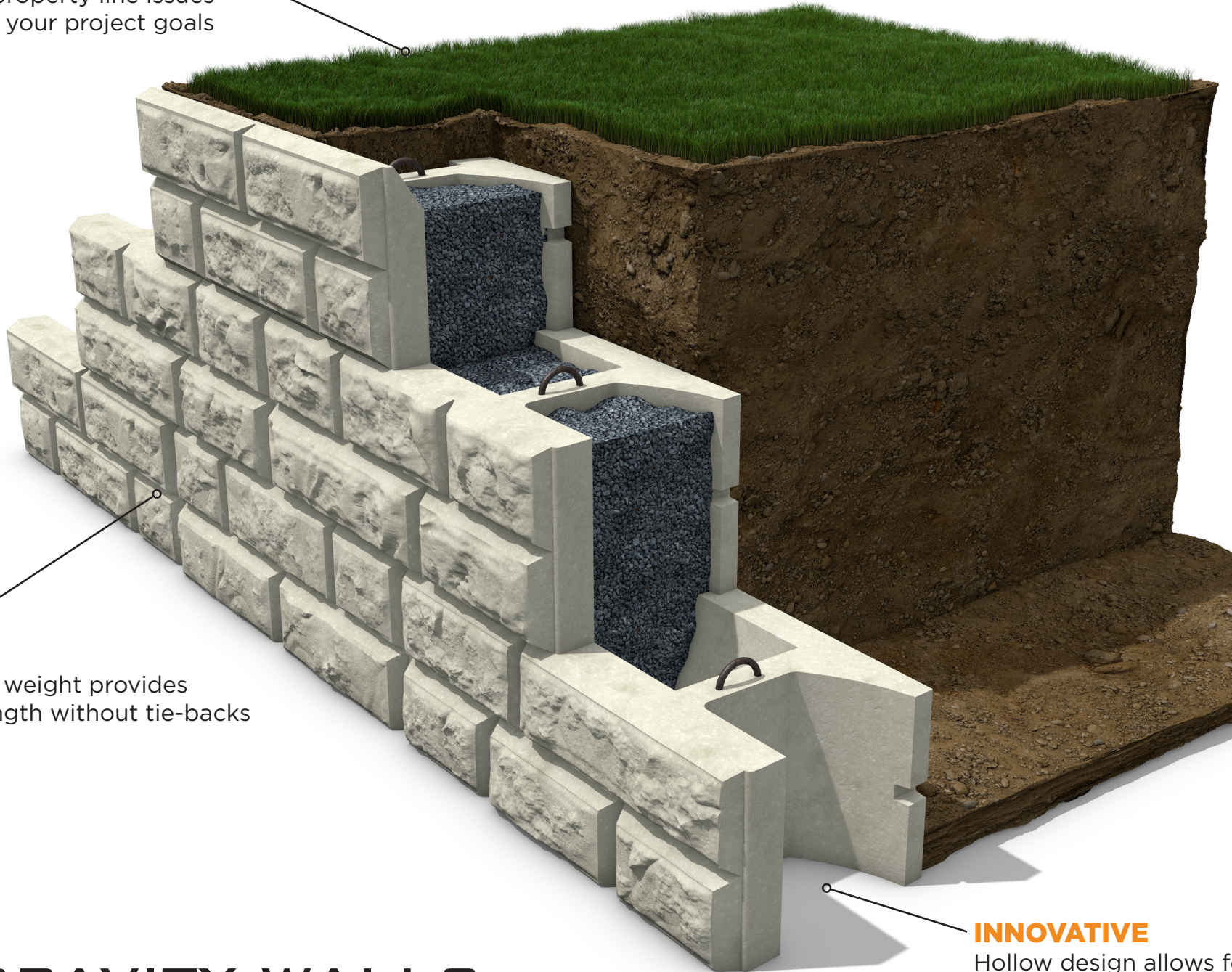
INNOVATIVE

Innovative hollow design makes Stone Strong the only wall system in the industry to feature a fully integrated drainage system requiring no additional parts or labor.



SMALLER FOOTPRINT

Avoid utility and property line issues while still meeting your project goals



SOLID

Sheer size and weight provides structural strength without tie-backs

INNOVATIVE

Hollow design allows for rapid, built in drainage

GRAVITY WALLS

Positive Connection

Geosynthetic polyester yarn bundles encased in durable polyethylene sheath

Rough surface develops excellent friction

Conforms to AASHTO standards

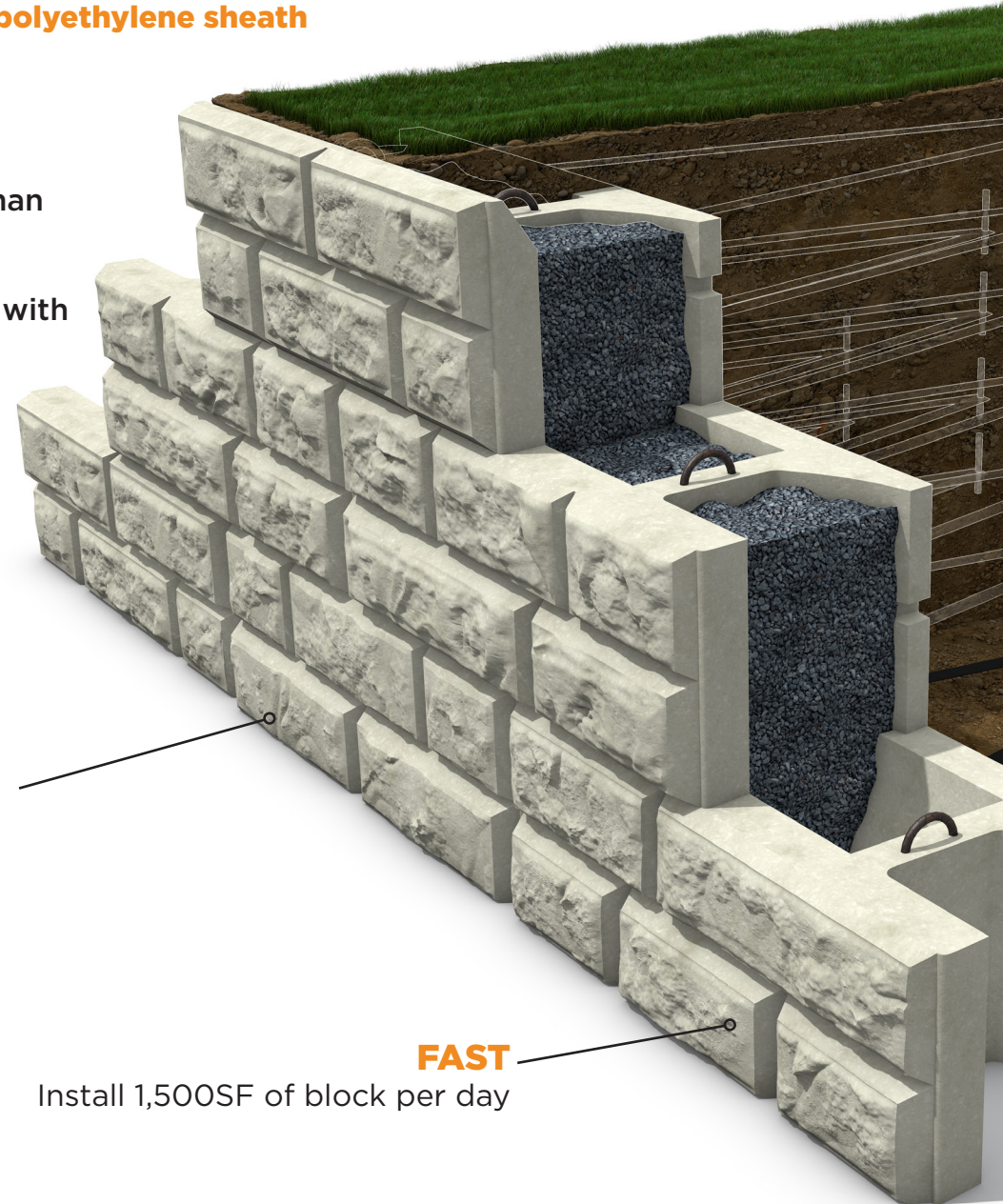
100 year wall design life

Resistant to corrosion

Higher pH range tolerance makes it more resilient than traditional steel straps

Simple, easy to use system

Ability to use a wider variety of fills not compatible with steel reinforcement or geo-grid



STRONG

Precast Concrete - Minimum 4,000PSI means a less permeable product

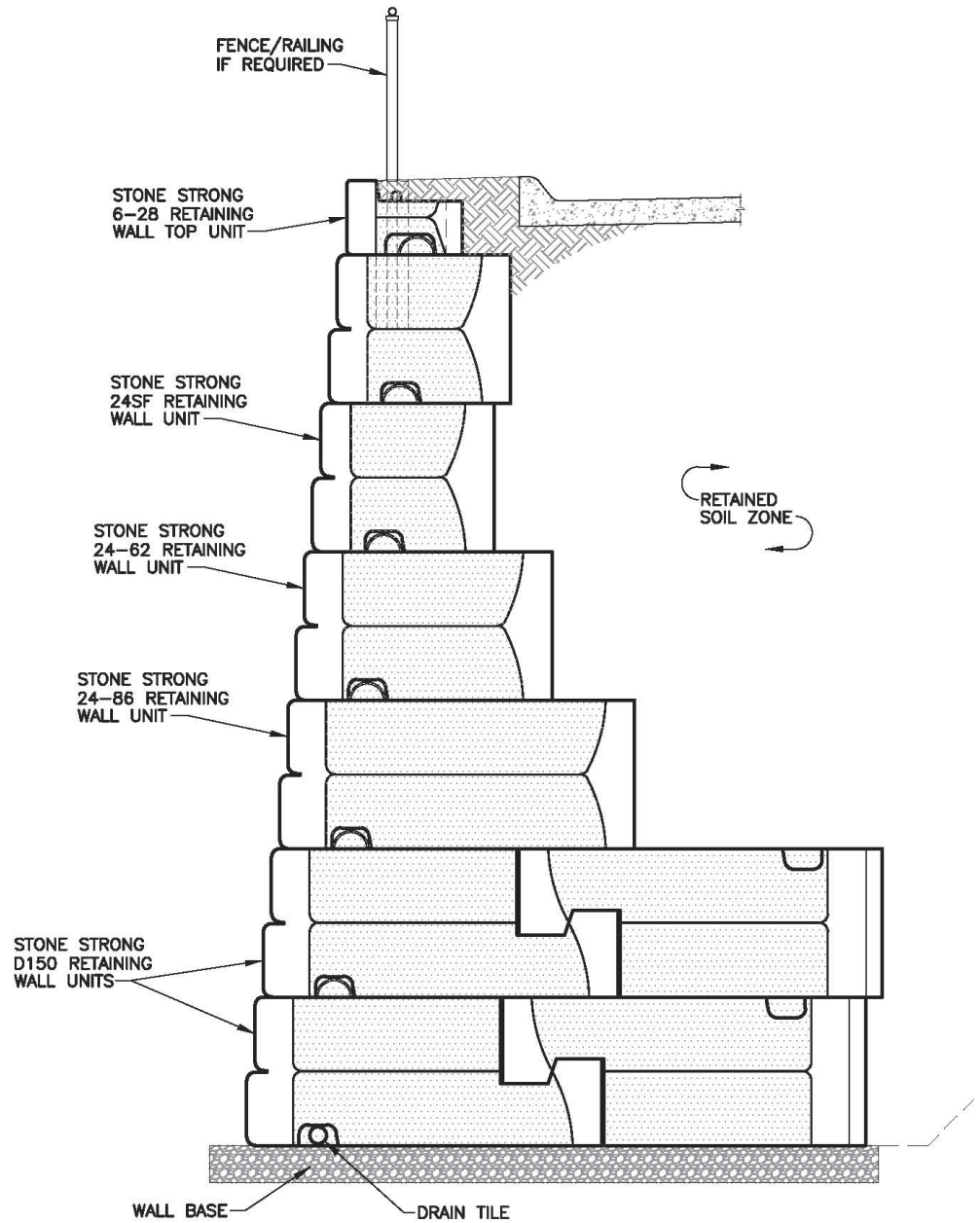
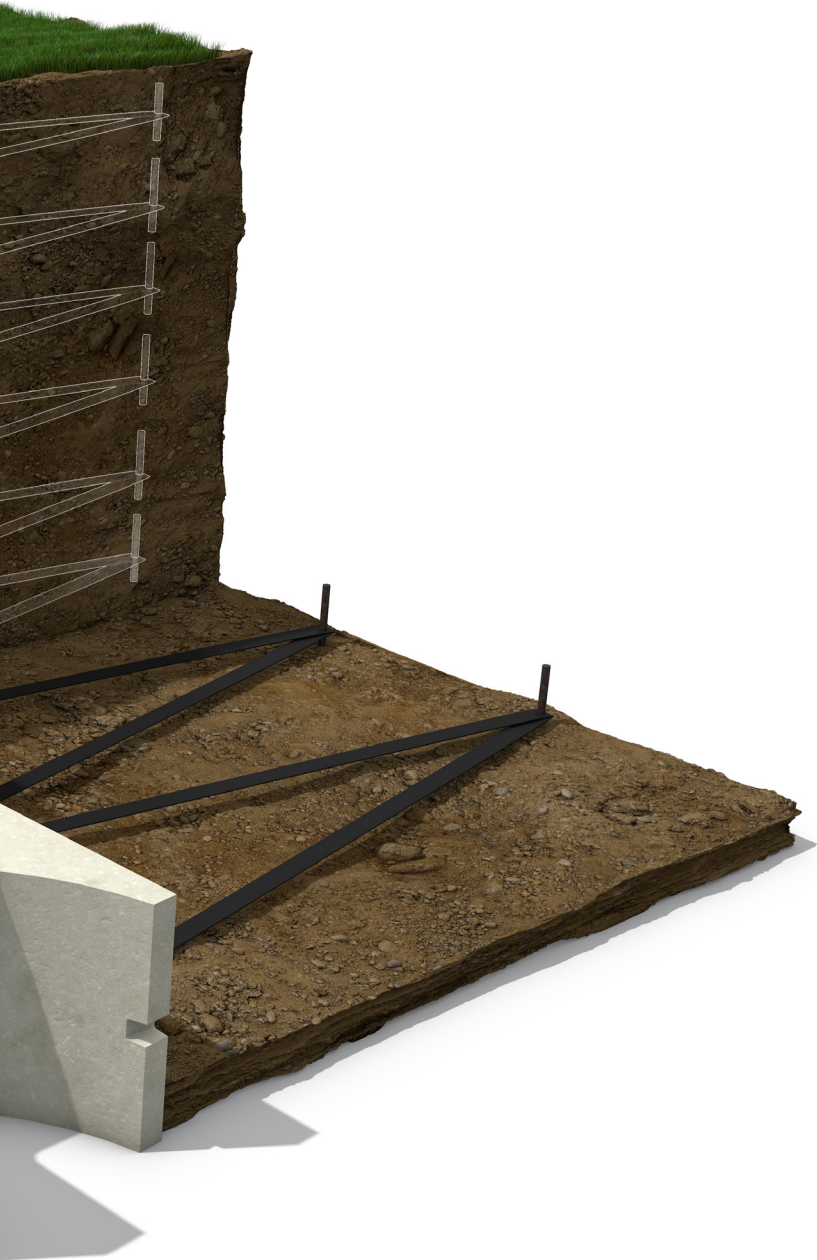
FAST

Install 1,500SF of block per day

MSE WALLS

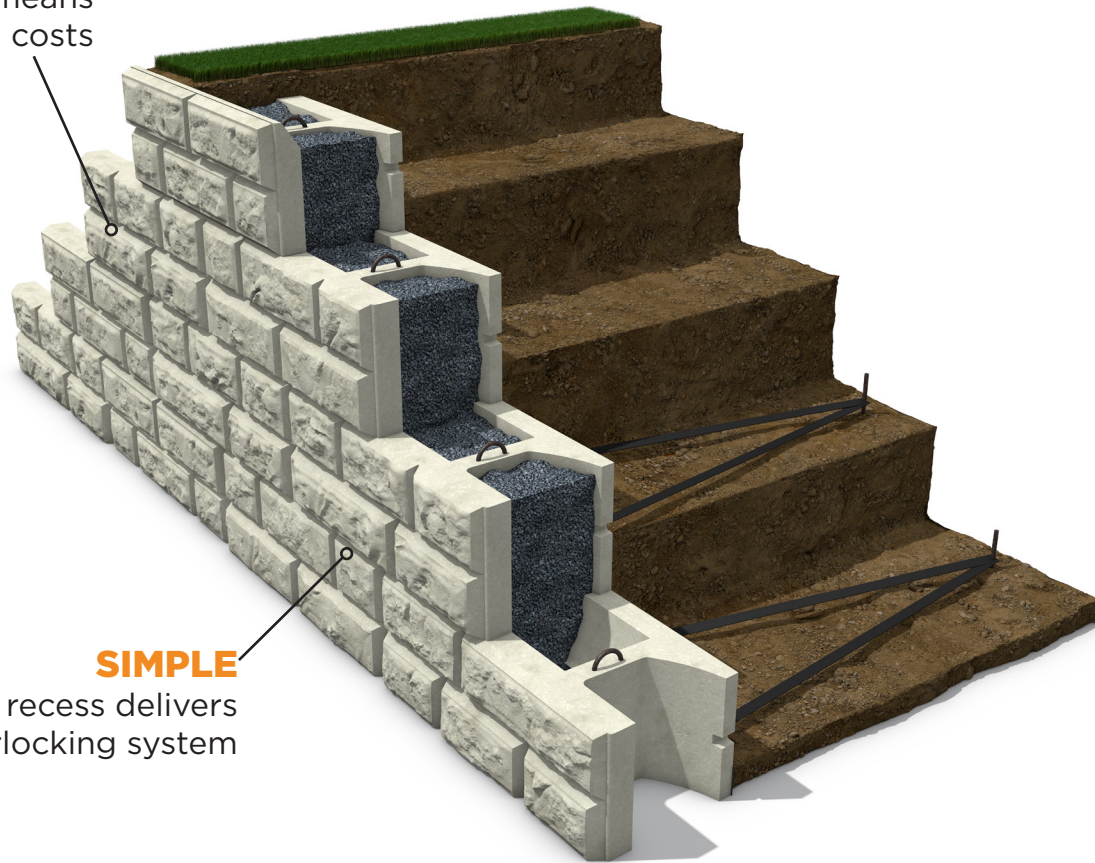
“THE MOST COMPLETE RETAINING SYSTEM ON THE MARKET TODAY”

- GORDON STEVENS P.E.



EFFICIENT

Unique design means reduced transportation costs



SIMPLE

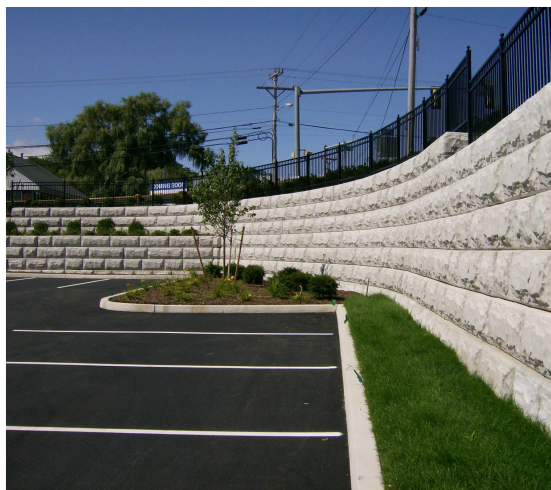
Stack and go. Built in recess delivers coherent interlocking system

HYBRID WALLS



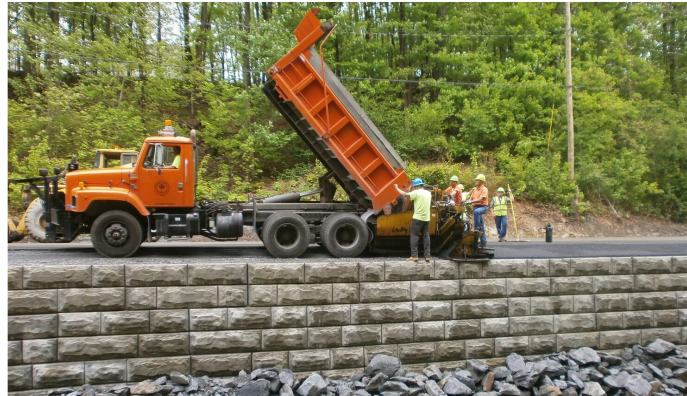
MSE Wall Configuration

Gravity Wall Configuration



STONE STRONG SYSTEMS®

COMPACT AND OPERATE DIRECTLY BEHIND ANY WALL




The mass in each modular block helps resist deflection - allowing compactors and other heavy equipment to operate immediately behind the back of the units. By compacting to the back of the unit, Stone Strong Systems avoids the built-in defect small block systems have with backfill.





Project: Pokono Bridge Abutment

Location: Pokono, New Zealand



The biggest and most innovative precast block in the industry is also the easiest to work with. Stone Strong Systems' fully and intelligently engineered block technology allows for a lighter, interlocking block that greatly reduces installation time and labor costs — with unmatched safety, durability and aesthetics.

COMMERCIAL

Big-time projects demand big-time blocks — Stone Strong Systems' gravity walls are capable of heights in excess of 20 feet. Meanwhile, with proper engineering and reinforcement, Stone Strong MSE walls have topped 50 feet.



RESIDENTIAL

Make impossibly hard projects impossibly easy — Stone Strong Systems' tapered block edges provide the versatility needed to contour to any landscape, including straight, convex, concave and circular designs.



ROADWAY

The better way to wall a highway — Stone Strong Systems has undergone rigorous review by the Highway Innovative Technology Evaluation Center (HITEC) to verify conformance with AASHTO standards and specifications. Meets DOT approval.

BRIDGES

An efficient system for efficient bridges - Stone Strong Systems conforms to the AASHTO Bridge Manual, insuring you are building with a fully geotechnical and structurally engineered retaining wall system.



CHANNELS

Innovative hollow design - makes Stone Strong the only wall system in the industry to feature a fully integrated drainage system requiring no additional parts or labor.

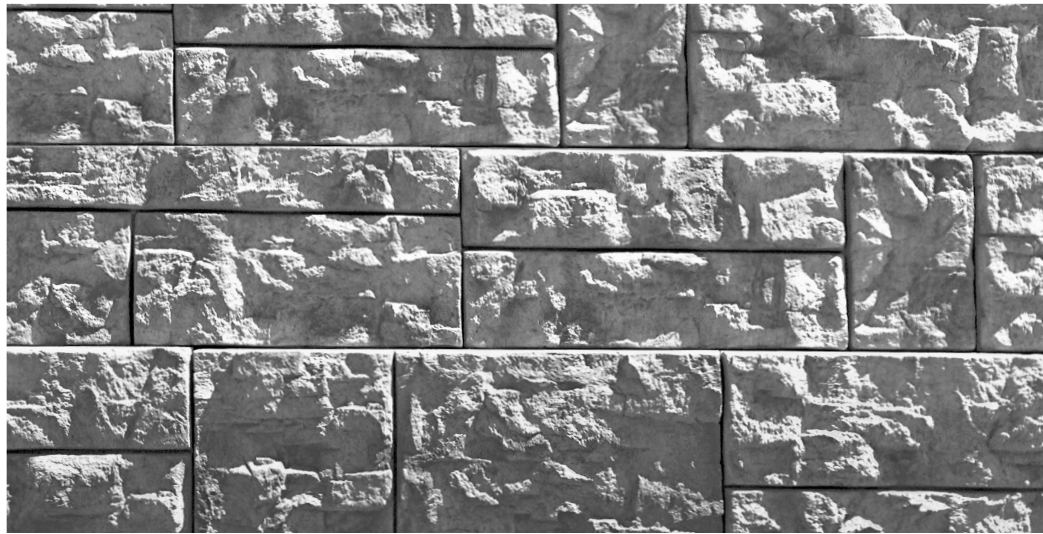


SHORELINE

A more resilient system - With a 100 year design life, even in water applications, Stone Strong Systems provides a product that is not only simple but extremely reliable as well.

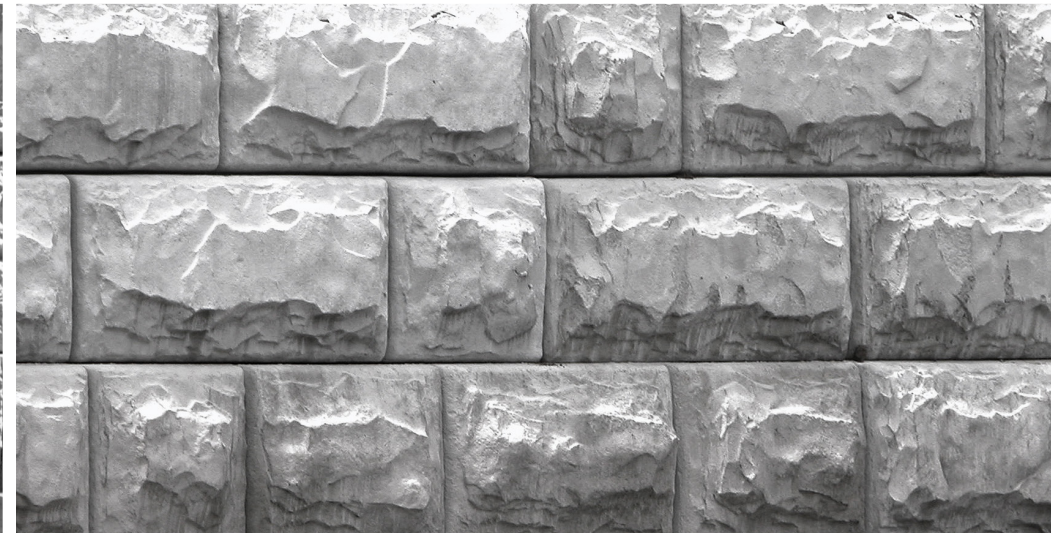
SIMPLE
RELIABLE
ROBUST
INNOVATIVE

BIG. BEAUTIFUL. FULLY CUSTOMIZABLE.



FRACTURED LEDGE

Created from authentic fractured ledge stone, the highly defined pattern offers the most natural look to match any application.

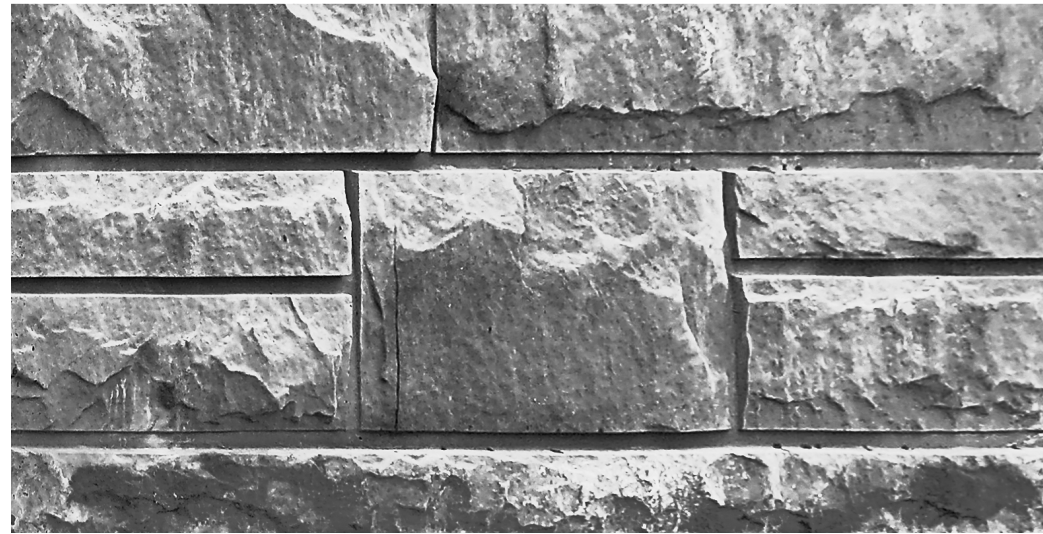


CHISELED GRANITE

Derived from blocks hand-chiseled by artisans, the pattern is intended to match the classic look of natural, chiseled stone.



Every Stone Strong block features a realistic, fully customizable, chiseled-stone facade handcrafted by real artisans. With the option to be stained to match any color imaginable, Stone Strong blocks fit naturally and seamlessly into any design or landscape.



TENNESSEE FOOTHILLS

Sharp and well defined, the pattern was developed by laser-mapping retaining walls in the Smoky Mountains from the 1940's.



POTOMAC

Smooth and broken up, this pattern was produced to replicate original cobblestone from colonial East Coast cities.



THE BUILDING BLOCKS OF INNOVATION.

Comprised of more than a dozen fully engineered blocks, components and accessories, Stone Strong Systems combines the flexibility to accommodate any retaining wall project — large or small — with unmatched safety, durability and aesthetics. Every block is manufactured to product specifications to assure uniform weight, dimensional tolerance and strength. Unlike other brands, returned concrete is never used for Stone Strong blocks. Not to mention, every block is produced with air-entrained 4,000PSI concrete for added protection in the most harsh environments.



24-44

Face 8' x 3', Width 44"

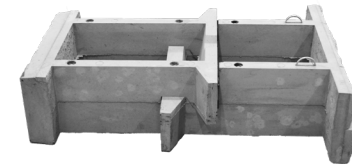
The 24 SF Block contributes to the speed of installation. A small crew and a couple pieces of equipment can install 1,500 SF a day.



24-86

Face 8' x 3', Width 86"

Setting the standard for tall gravity walls. At 22.5', it can go vertical with no tie-back.



D150 ASSEMBLY

Face 8' x 3', Width 172"

For even taller gravity walls. Using the D150 block assembly, gravity walls can reach heights in excess of 50 feet



24-62

Face 8' x 3', Width 62"

Build walls up to 18' tall with no tie-back.



24-MASS EXTENDER

Face 8' x 3', Width 56"

The addition of the extender to the 24 SF Block provides for greater gravity wall heights.



6-44

Face 4' x 18", Width 44"

The 6 SF Block allows for tighter turning radius, wall steps at 18" increments and vertical and horizontal adjustments. Also includes a top block with recess.



6-28

Face 4' x 18", Width 28"

A perfect solution for smaller walls, get up to 60 pieces per truckload. Easy to move around on-site with a skid loader or mini-excavator.

ACCESSORY BLOCKS



TOP BLOCKS

Top Blocks come in 24SF and 6SF options. A recess at the top of the face to allow for multiple finish options.



DUAL FACE

Face 8' x 18", Width 28"

The Dual Face Block provides for above-grade applications.



CAP BLOCKS

The cap block provides a top of wall finish alternative to the top block and dual face block



END/CORNER

Face 4' x 18", Width 2'

The End/Corner Block is used for 90° turns and for end finish treatments.



45°

Face 4' x 18" x 8.25"

The 45° Block provides for inside and outside 45° turns.



3-44

Face 2' x 18", Width 44"

The 3 SF Block allows the wall to stay on running bond.



OUTSIDE CORNER

Multiple face sizes

Provides outside 45° turns in both vertical and battered configurations.



INSIDE CORNER

Multiple face sizes

Provides inside 45° turns in both vertical and battered configurations.



90°

Face 4' x 18", Width 4'

The 90° Block provides for inside and outside 90° turns.



Project: Mingha Bluff Realignment

Location: Arthurs Pass, New Zealand

Blocks: 24-44 & Custom Corbel Block



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