

Expert Results are Built Right into the Block

StackStone & RomanStack's integrated design features and tapered profile assure it's a perfect fit every time. Whether installing straight walls, curves, serpentes or corners, the Diamond Tongue & Groove design make it quick and easy for any Do-it-Yourselfer to create fabulous landscape walls.

Impeccably Straight Walls

Easily create perfectly straight and vertical retaining, garden or low double sided seat walls. Simply lay the blocks next to each other rotating each consecutive block 180°. Ensure that you create a running bond pattern by offsetting the vertical joints with the blocks below. Complete your wall by securely adhering the coping blocks with Approved Concrete Adhesive ⑤. Start or End double sided walls with corner blocks, by splitting the block in the split-key using a Masonry Chisel, to create two (2), 3-sided end wall blocks.



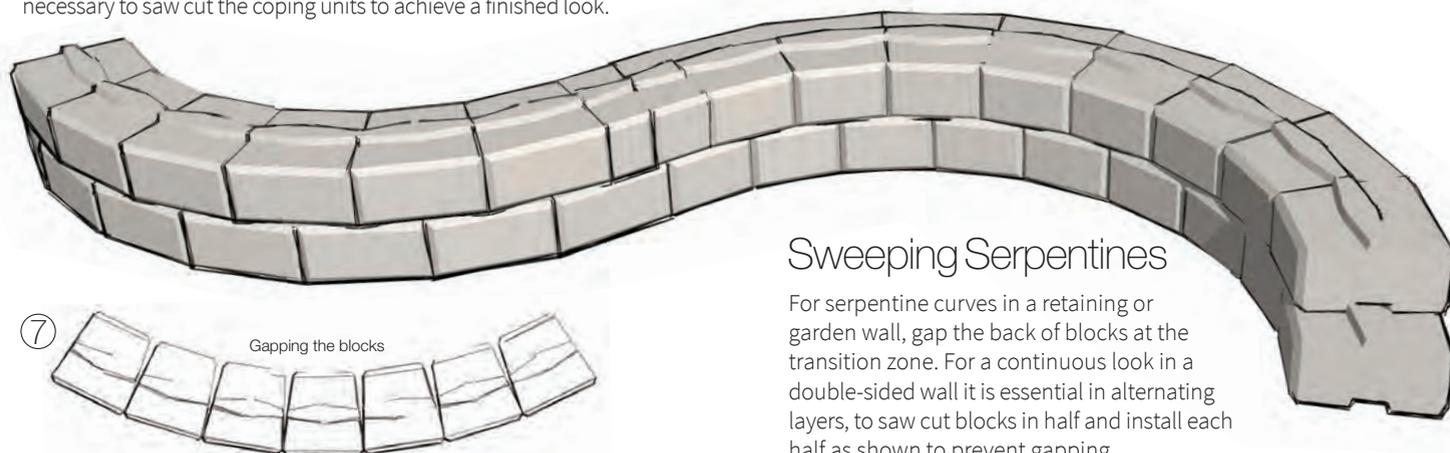
Crisp Clean Corners

Utilizing the special StackStone & RomanStack corner blocks, constructing great looking corners has never been easier. Position the corner block in line with the leading wall with the split-key face down. Then follow by abutting a coping block. Repeat the process for the next layer using the opposite corner block, applying Concrete Adhesive between each layer to bind the corner together.



Graceful Outside Curves

Both the StackStone and RomanStack blocks are designed to create a flawless outside curve with a front edge radius of 30" (77cm). Simply lay the blocks next to each other with the taper pointing inward. For more gentle curve when creating retaining or garden walls, simply gap the blocks at the rear ⑦, however it will be necessary to saw cut the coping units to achieve a finished look.



Tight Inside Curves

Construct inside curves with a front edge radius of 21" (57cm) the exact opposite as with outside curves. Simply lay the blocks next to each other with the taper pointing out. It is necessary to saw cut the blocks to achieve a more gentle inside curve.

Sweeping Serpentes

For serpentine curves in a retaining or garden wall, gap the back of blocks at the transition zone. For a continuous look in a double-sided wall it is essential in alternating layers, to saw cut blocks in half and install each half as shown to prevent gapping.

Perfect Pillars

Pillars are an excellent way to enhance the beauty and elegance of your landscaping project.

Create a pit for the base at least 26" x 26" (45x45cm) & 10" (25cm) deep, then fill 6" (15cm) with base gravel material and compact.

Arrange four (4) of the same corner block in an inward facing pattern, then repeat on the next layer using four of the opposite corner blocks. It is important to firmly secure all layers with concrete adhesive. Securely top with an appropriate pillar cap. *The hole up the middle is perfect for electrical conduit when adding lighting.*



StackStone®
& RomanStack®
LANDSCAPE WALL

Easy Installation

Quantity Calculator

Use the following formula to calculate the number of StackStone or RomanStack blocks for your landscape wall project. Ask your dealer for additional information.

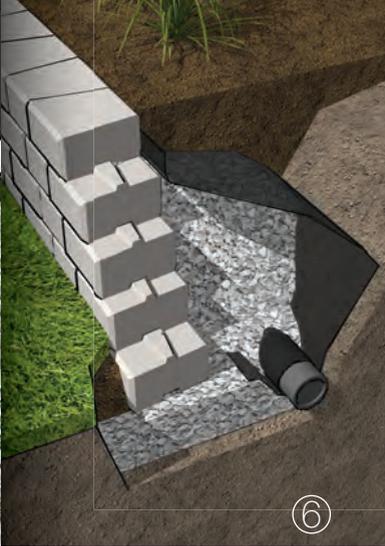
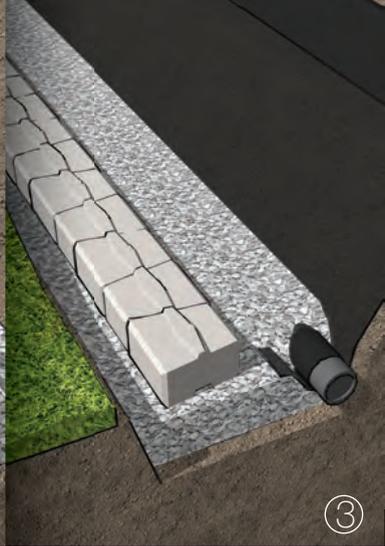
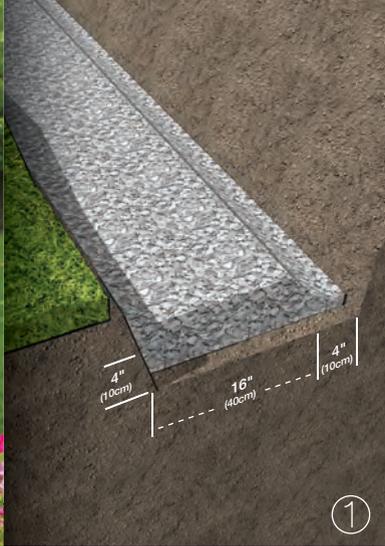
$$\text{Length(ft)} \times \text{Height(ft)} = \text{Area(ft}^2\text{)} \div 0.187 = \text{Number of Blocks}$$

Beauty & Elegance

For more detailed information, refer to the complete Installation Guide available @ www.risistone.com

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Risi Stone Inc. 1.800.626.WALL

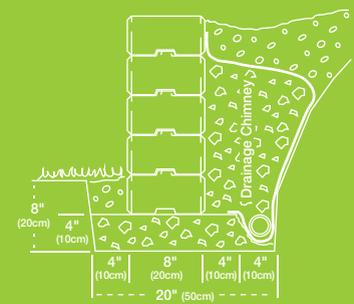
 **RisiStone**
retaining wall systems



StackStone® & RomanStack® LANDSCAPE WALL

How to Build a Landscape Retaining Wall

The StackStone and RomanStack Wall systems are the ideal choice for landscape and garden walls up to 2' (60cm, including buried footing block). The integrated Diamond Tongue & Groove alignment system creates superior vertical interlock, guaranteeing your wall will always look just as great as the day you installed it.



What you will need

- ✓ Base/Backfill Material
Free draining gravel (no screenings)
- Perforated Drainage Pipe
Wrapped with filter sock
- Concrete Adhesive
- Bright Spray Paint
- Hand Tamper/Compactor
- Masonry Chisel/Concrete Saw
- Safety Glasses
- Shovel
- Broom
- Level & Leveling Jig-Board ②

IMPORTANT: Always contact your local utility company to find and mark all utilities before digging. This is typically a free service.

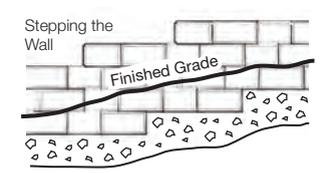
Plan, Excavate & Gravel Base

Start by marking the outline of where you would like the front of the wall to be with spray paint. Excavate a trench 20" (50cm) wide from 4" (10cm) in front of the outline and at least 8" (20cm) deep.

Check the native foundation soil to ensure it is firm and capable of supporting the finished wall. Create a level, well compacted base using the base gravel material and the tamper. The base should be a minimum of 16" (40cm) wide from the front of the trench and 4" (10cm) deep.

Install the First Course

Install the first layer by positioning your first block 4" (10cm) in from the front wall of the trench and ensure it is level side-to-side and front-to-back using leveling jig-board. Continue laying blocks and checking they are level, as it is crucial that extra care is taken at this stage for accurate alignment. Refer to wall construction details for specific information on installing Straight walls, Curves and Corners.



Drainage & Filter Fabric

The most important part in any retaining wall is a proper drainage system. Start by laying the filter fabric along the rear of the trench and extend up the exposed excavation to the proposed wall height. Ensure that you leave enough material at the top to fold back toward the wall to completely contain the drainage material. Install the drain on top of the filter fabric in the 4" (10cm) area behind the base layer and cover with backfill material. Make sure the drainage is sloped and is outlet away from the wall.

Build the Wall & Backfill

Sweep off the top of the blocks so they are clear of dirt or stones. Stack the next layer of units in a running bond pattern ensuring the vertical joints do not line up with the layer below. Continue to construct the wall, backfilling the "drainage chimney" area at least every 3 block layers. Fill the area behind the wall with the backfill gravel material and compact thoroughly with tamper. The drainage chimney should be a minimum of 12" (30cm) thick from the back of the wall and separated from the native soil by the filter fabric.

Glue on Coping Units

It is always important to securely adhere the coping layer, for safety concerns as well as to bond and strengthen the wall. Sweep off any dirt or debris from the top layer to ensure proper adhesion. Apply a bead of Approved Concrete Adhesive along the front and rear on the top layer of blocks. Place the coping unit firmly on top of the adhesive and apply pressure to secure. Install remaining Coping units the same way, checking they are level with each other as you go. If installing a single facing curve it will be necessary to cut the coping units to fit together.

Finish Grading

Confirm the Drainage layer is properly filled and compacted up to the bottom of the coping layer and gradually sloping away from the wall. Fold the excess filter fabric over the top of the drainage layer and up the back face of the coping unit. Place a layer of soil over the filter fabric and compact. Fill in the excavation zone along the bottom of the wall and compact.

StackStone & RomanStack Landscape Wall's natural beauty, versatility and simple installation make the perfect choice for any Do-it-Yourselfer's next landscaping project. Easily create free-standing patio walls, attractive edging details, window wells or tree-rings and give your yard the look you've always imagined.



StackStone® Landscape Wall

The architectural and symmetrical geometry of StackStone walls adds a fresh modern touch to any landscaping project. The combination of smooth beveled edges and rock face texture provide clean elegant lines that will make your vision come to life.



RomanStack® Landscape Wall

The RomanStack Landscape Wall is designed to look like an ancient Roman wall, aged and weathered by time. The natural rock appearance will transport your imagination and surround you in the old world charm you desire.