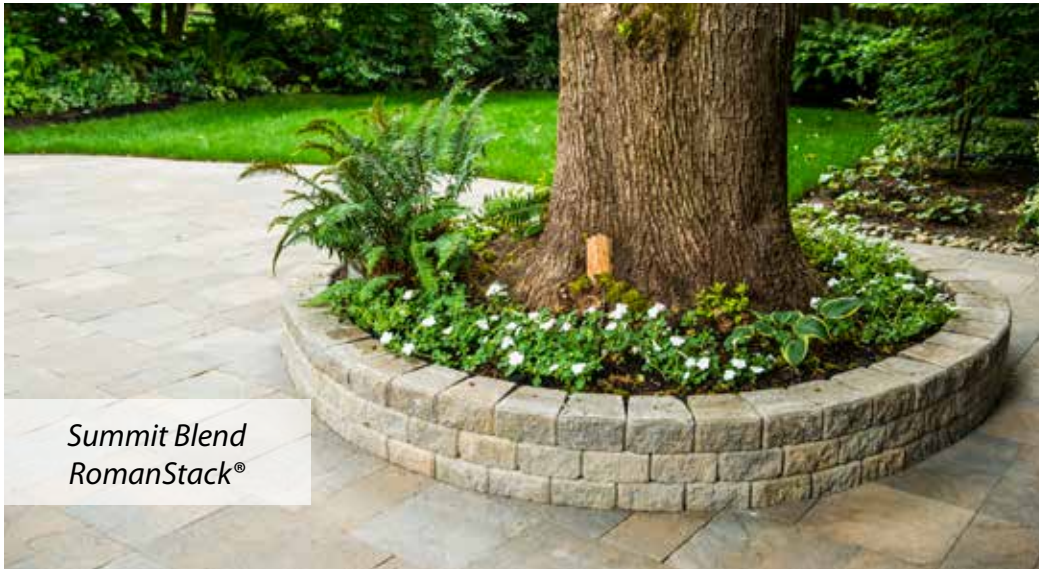




# ROMANSTACK®



Summit Blend  
RomanStack®

RomanStack uses a tongue and groove connection system. It is ideal for raised garden beds, tree rings, planters and short patio walls up to 2' tall.

Minimum radius using 4" x 8" units is approx. 1' 9".

## PRODUCT DATA\*

Product	Coverage*	Units / Pallet	Coverage*	Weight / Piece*	Weight / Pallet
4 x 8 Wall Unit	4.5 pcs / ft <sup>2</sup> (48.44 pcs / m <sup>2</sup> )	168	37.33 ft <sup>2</sup> (3.47 m <sup>2</sup> )	18 lb (8.6 kg)	3,242 lb (1,470 kg)
4 x 8 Cap Unit	1.6 pcs / ln ft (4.92 pcs / ln m)	168	122 ln ft (34.14 ln m)	18 lb (8.6 kg)	3,242 lb (1,470 kg)

All **Weight per Pallet** noted above include a 50 lb pallet weight.

**Maximum wall height: 2'. Minimum radius: 2' 4".**

\* For walls built by alternating 6" and 8" faces, there are 54.9 pcs / m<sup>2</sup> (5.1 pc / ft<sup>2</sup>) and 3.06 m<sup>2</sup> (32.94 ft<sup>2</sup>) per pallet.  
For walls built by alternating 6" and 8" faces, there are 5.6 pc / ln m (1.7 pc / ln ft) and 30.11 ln m (98.8 ln ft) per pallet.

## AVAILABLE COLORS

For more information regarding custom colors, please contact a Mutual Materials sales representative. Custom colors may be restricted by the size of the order or project.



Northwest Blend



Summit Blend



**4 x 8 Wall Unit**  
4" x 8" x (8" or 6" face)  
10 cm x 20 cm x (20 cm or 15 cm)

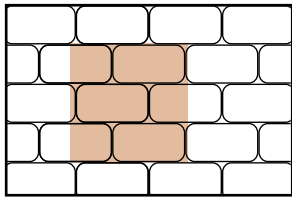


**4 x 8 Cap Unit**  
4" x 8" x (8" or 6" face)  
10 cm x 20 cm x (20 cm or 15 cm)

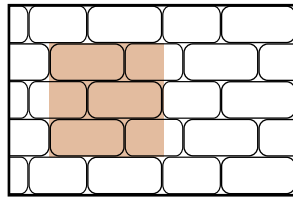
## PROJECT ESTIMATION

Max Height = 2' 0"		Wall Length			
		8" Faces		Alternating 8" & 6" Faces	
Wall Height	Courses	10 ft	25 ft	10 ft	25 ft
8"	2	30	75	34	85
1' 0"	3	45	113	51	128
1' 4"	4	60	150	68	170
1' 8"	5	75	188	85	213
Caps Needed	Top Course	15	38	17	43

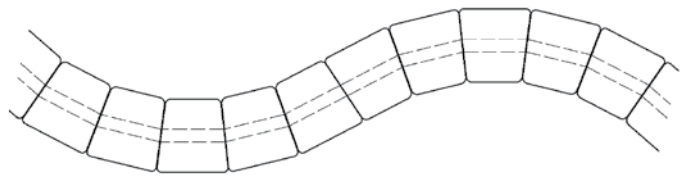
## STANDARD INSTALLATION PATTERNS



8" Faces  
(4.5 units / ft<sup>2</sup>)



Alternating 6" & 8" Faces  
(5.1 units / ft<sup>2</sup>)



4 x 8 Units - Curved Wall Using 6" & 8" Faces

## INSTALLATION INSTRUCTIONS

Due to the complexity of RomanStack®/RomanStack® Ashlar installation, Mutual Materials recommends you consult a Mutual Materials representative before beginning your RomanStack/RomanStack Ashlar project.

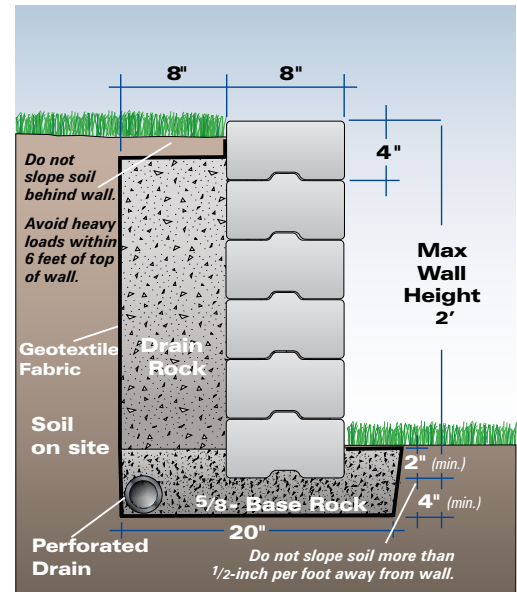
### Maximum height: 2'

**1. Excavation:** First mark the area of the wall with chalk or spray paint and then string a line. Dig out a trench that is a minimum of 6" (152 mm) deep plus one inch for every foot of wall height. Allow 8" (200 mm) of space behind the wall for ¾" washed drain rock (this means your trench should be 20" wide). Roots and large rocks should be removed from the trench.

**2. Base Preparation:** The project requires a perforated drain, so cover the back and the bottom of the trench with a geotextile fabric to prevent soil from blocking the drainage system. Measure geotextile fabric with excess length of about 12" (305 mm) at the top of the bank, which will be folded over the completed drainage fill.

**3. Foundation:** Install a 4" (102 mm) diameter perforated drain in this foundation, and connect it to the existing drainage system. Next, prepare a 4" (102 mm) deep foundation, with ⅝ minus or ¾ minus crushed rock. Add 1"-2" of ⅝ minus or ¾ minus crushed rock, rake smooth and compact with plate compactor. Base rock should have a certain amount of moisture content. Repeat steps until final 4" base elevation is achieved.

**4. First Course:** Lay the base course of retaining wall blocks. Using a string line at the back of the units for alignment, place units side by side on the gravel checking for level in both directions. Begin laying block at the lowest point of the wall and/or 90° corner. It is easier to start at a straight section of the wall. Complete the base course before proceeding to the second course. When curves are laid out, space the base course block slightly apart to allow for their set back.



**NOTE:** Before installing additional courses, it is recommended that the installer front fills and backfills the first course with base rock and compacts to ensure stability of the wall.

**5. Second & Additional Courses:** Sweep top of underlying course and stack next course in running bond pattern so the middle of the unit is above the joint between adjacent blocks below. To cut blocks for the ends of the wall, or in tight curved sections, use a hammer and chisel to score the unit on all sides. Always wear eye protection when splitting stones. If many cuts are needed, a masonry saw may be the better option to use.

**6. Backfilling:** After each course is laid, backfill behind the wall with ¾" washed drain rock. This improves drainage and prevents soil from leaching through the wall face.

**7. Top Course:** Use concrete adhesive to secure the cap course. Lay the cap down and press firmly. Finish backfilling behind the wall.

RomanStack® is a registered trademark of Risi Stone Products.



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