



# PRODUCT & TECHNICAL GUIDE

PAVING STONES AND RETAINING WALLS





The legacy of CST's service and commitment to its customers has remained the same — to provide the highest value products that allow endless design and creative possibilities. Our business model will bring you and your family an uncompromising level of quality and craftsmanship that — in tandem with our wealth of manufacturing knowledge — creates pavers and wall stones designed to stand the test of time.

Our products are conceived and designed to bring out the very best for your hardscape design with styles, shapes, unique colors and textures that will enhance your creativity. Whether you're creating a patio, driveway, pool deck, fire pit or something else entirely, you're sure to find a CST product that fits your lifestyle. We invite you to explore this catalog and Discover the Difference®.

We want to thank you for your continued business and look forward to partnering with you in 2018 and beyond.



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# PAVERS - 60MM

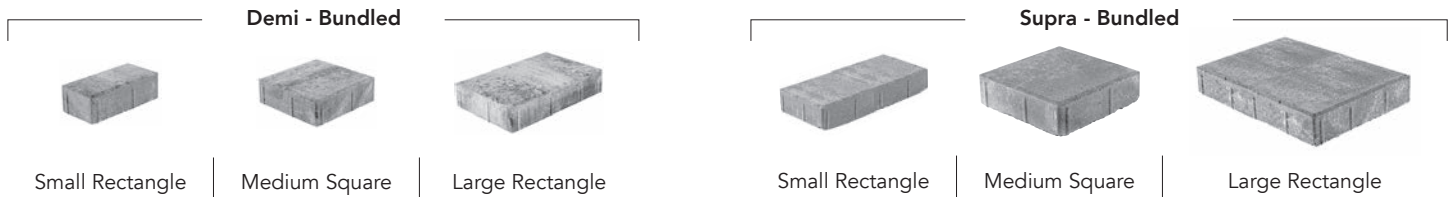
All paver sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## CITYSTONE™ - Demi & Supra

Branchville/Montgomery		Full cubes only. • Standard finish only. • Available in Branchville and Montgomery only.										
	PRODUCT	NOMINAL DIMENSIONS	LAYERS/ CUBE	SQ. FT./ CUBE	PIECES/ CUBE	WEIGHT/ CUBE (LBS)	BANDS/ CUBE	SQ. FT./ BAND	WEIGHT/ BAND (LBS)	PIECES/ BAND	PIECES/ SQ. FT.	PART #
DEMI	Bundled	Small Rectangle	10	103	80	2,971				Combined Cube/No Bands	2.33	36378
		Medium Square			80							
		Large Rectangle			80							
SUPRA	Bundled	Small Rectangle	10	103	20	2,971				Combined Cube/No Bands Not intended for vehicular applications.	0.58	36478
		Medium Square			20							
		Large Rectangle			20							

	Standard Colors			
	03 Antique Grey	46 Bedford Brown	47 Hickory Blend	NCG North Creek**
Branchville/Montgomery	✓	✓	✓	✓

\*\* Premium color; call for pricing.



## CLASSIC BRICK

Branchville/Montgomery		Full cubes only. • Available in antiqued texture finish only.										
	PRODUCT	NOMINAL DIMENSIONS	LAYERS/ CUBE	SQ. FT./ CUBE	PIECES/ CUBE	WEIGHT/ CUBE (LBS)	BANDS/ CUBE	SQ. FT./ BAND	WEIGHT/ BAND (LBS)	PIECES/ BAND	PIECES/ SQ. FT.	PART #
	Classic Brick	4"W x 8"L x 2 3/8"H	9	96	432	2,500	6	16	417	72	4.5	HC + Color

Pedricktown		Full cubes only. • Available in antiqued texture finish only.										
	PRODUCT	NOMINAL DIMENSIONS	LAYERS/ CUBE	SQ. FT./ CUBE	PIECES/ CUBE	WEIGHT/ CUBE (LBS)	BANDS/ CUBE	SQ. FT./ BAND	WEIGHT/ BAND (LBS)	PIECES/ BAND	PIECES/ SQ. FT.	PART #
	Classic Brick	4"W x 8"L x 2 3/8"H	10	120	540	3,282	6	20	547	90	4.5	PCB060408M



	Standard Colors			UltraBelle Collection
	46 Bedford Brown	645 Old Chicago	644 River Square Red	76 Ocean City Sand*
Branchville/Montgomery	✓	✓	✓	
Pedricktown		✓**		✓

\* Special order only. \*\* Color code 26 in Pedricktown.

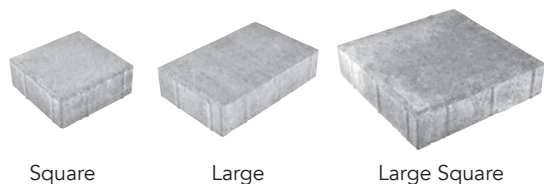
# PAVERS - 60MM

All paver sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## CONTEMPRA®

Branchville/Montgomery		Full cubes only. • Standard finish only.									
PRODUCT	NOMINAL DIMENSIONS	LAYERS/CUBE	SQ. FT./CUBE	PIECES/CUBE	WEIGHT/CUBE (LBS)	BANDS/CUBE	SQ. FT./BAND	WEIGHT/BAND (LBS)	PIECES/BAND	PIECES/SQ. FT.	PART #
Square	6"W x 6" L x 2 3/8"H	9	87	315	2,360	7	12.43	337	45	3.62	CS6Q
Large	6"W x 9"L x 2 3/8"H	9	93	225	2,450	5	18.6	490	45	2.42	CS6L
Large Square	9"W x 9"L x 2 3/8"H	9	111	180	2,950	5	22.2	580	36	1.62	CS6X

Pedricktown		Full cubes only. • Standard finish only.									
PRODUCT	NOMINAL DIMENSIONS	LAYERS/CUBE	SQ. FT./CUBE	PIECES/CUBE	WEIGHT/CUBE (LBS)	BANDS/CUBE	SQ. FT./BAND	WEIGHT/BAND (LBS)	PIECES/BAND	PIECES/SQ. FT.	PART #
Square	6"W x 6" L x 2 3/8"H	10	116	420	3,048	7	16.6	435	60	3.62	PCT060606S
Large	6"W x 9"L x 2 3/8"H	10	124	300	3,337	5	24.8	667	60	2.42	PCT060609S
Large Square	9"W x 9"L x 2 3/8"H	9	111	180	2,995	5	22.2	599	36	1.62	PCT060909S



Square

Large

Large Square

	Standard Colors					
	03 Antique Grey	46 Bedford Brown*	09 Brown Flash	36 Butternut	47 Hickory Blend	05 Red Flash
Branchville/Montgomery	✓	✓	✓	✓	✓	✓
Pedricktown	✓		✓	✓	✓	✓

\* Special order only.

## HOLLAND STONE

Branchville/Montgomery		Available in standard finish only.									
PRODUCT	NOMINAL DIMENSIONS	LAYERS/CUBE	SQ. FT./CUBE	PIECES/CUBE	WEIGHT/CUBE (LBS)	BANDS/CUBE	SQ. FT./BAND	WEIGHT/BAND (LBS)	PIECES/BAND	PIECES/SQ. FT.	PART #
Holland Stone	4"W x 8" L x 2 3/8"H	9	96	432	2,500	6	20	502	90	4.5	H6

Pedricktown		Available in standard finish only.									
PRODUCT	NOMINAL DIMENSIONS	LAYERS/CUBE	SQ. FT./CUBE	PIECES/CUBE	WEIGHT/CUBE (LBS)	BANDS/CUBE	SQ. FT./BAND	WEIGHT/BAND (LBS)	PIECES/BAND	PIECES/SQ. FT.	PART #
Holland Stone	4"W x 8" L x 2 3/8"H	10	120	540	3,014	6	20	502	90	4.5	PHS060408S



	Standard Colors							
	03 Antique Grey	08 Brown*	09 Brown Flash	36 Butternut	02 Charcoal	47 Hickory Blend	04 Red	05 Red Flash
Branchville/Montgomery	✓	✓	✓	✓	✓	✓	✓	✓
Pedricktown	✓		✓	✓	✓	✓	✓	✓

\* Special order only.

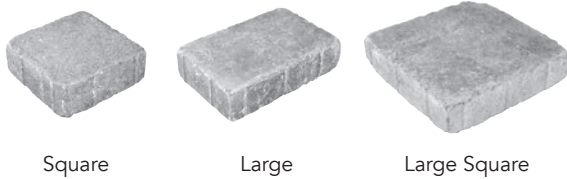
# PAVERS - 60MM

All paver sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## MUNICH

Branchville/Montgomery		Full cubes only. • Antiqued texture finish only.									
PRODUCT	NOMINAL DIMENSIONS	LAYERS/ CUBE	SQ. FT./ CUBE	PIECES/ CUBE	WEIGHT/ CUBE (LBS)	BANDS/ CUBE	SQ. FT./ BAND	WEIGHT/ BAND (LBS)	PIECES/ BAND	PIECES/ SQ. FT.	PART #
Square	6"W x 6"L x 2 <sup>3</sup> / <sub>8</sub> "H	9	87	315	2,400	7	12.43	337	45	3.62	SF6Q
Large	6"W x 9"L x 2 <sup>3</sup> / <sub>8</sub> "H	9	93	225	2,450	5	18.6	490	45	2.42	SF6L
Large Square	9"W x 9"L x 2 <sup>3</sup> / <sub>8</sub> "H	9	111	180	2,950	5	22.2	580	36	1.62	SF6X

Pedricktown		Full cubes only. • Antiqued texture finish only.									
PRODUCT	NOMINAL DIMENSIONS	LAYERS/ CUBE	SQ. FT./ CUBE	PIECES/ CUBE	WEIGHT/ CUBE (LBS)	BANDS/ CUBE	SQ. FT./ BAND	WEIGHT/ BAND (LBS)	PIECES/ BAND	PIECES/ SQ. FT.	PART #
Square	6"W x 6"L x 2 <sup>3</sup> / <sub>8</sub> "H	10	116	420	3,159	7	16.57	451	60	3.62	PMS060606M
Large	6"W x 9"L x 2 <sup>3</sup> / <sub>8</sub> "H	10	124	300	3,370	5	24.8	674	60	2.42	PMS060609M
Large Square	9"W x 9"L x 2 <sup>3</sup> / <sub>8</sub> "H	9	111	180	3,057	5	22.2	611	36	1.62	PMS060909M



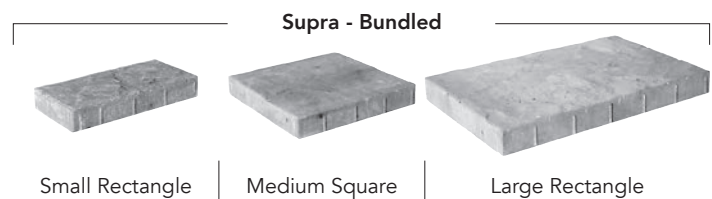
	Standard Colors			ULTRABELLE Collection	
	03 Antique Grey	36 Butternut	47 Hickory Blend	72 Brandywine	76 Ocean City Sand
Branchville/Montgomery	✓	✓	✓		
Pedricktown	✓	✓	✓	✓	✓

## PANORAMA Demi & Supra

Branchville/Montgomery		Full cubes only. • Standard finish only. • Available in Branchville/Montgomery only.										
	PRODUCT	NOMINAL DIMENSIONS	LAYERS/ CUBE	SQ. FT./ CUBE	PIECES/ CUBE	WEIGHT/ CUBE (LBS)	BANDS/ CUBE	SQ. FT./ BAND	WEIGHT/ BAND (LBS)	PIECES/ BAND	PIECES/ SQ. FT.	PART #
DEMI	Bundled	Small Rectangle	10	103	80	2,881					2.33	36778
		Medium Square			80							
		Large Rectangle			80							
SUPRA	Bundled	Small Rectangle	10	103	20	2,881					0.58	36878
		Medium Square			20							
		Large Rectangle			20							

	Standard Colors			
	03 Antique Grey	46 Bedford Brown	47 Hickory Blend	NGC North Creek**
Branchville/Montgomery	✓	✓	✓	✓

\*\* Premium color; call for pricing.



# PAVERS - 60MM

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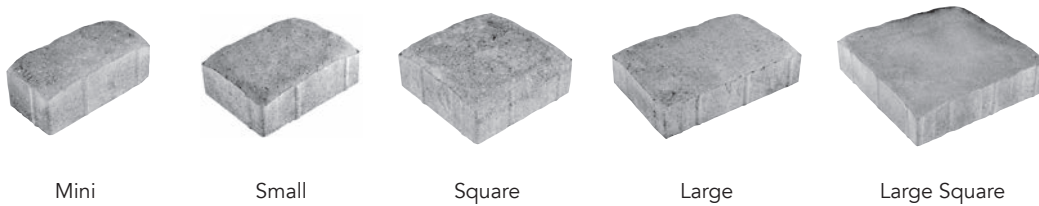
## ROMAN COBBLE

Branchville/Montgomery		Full cubes only. • Available in standard and antiqued texture										
PRODUCT	NOMINAL DIMENSIONS	LAYERS/ CUBE	SQ. FT./ CUBE	PIECES/ CUBE	WEIGHT/ CUBE (LBS)	BANDS/ CUBE	SQ. FT./ BAND	WEIGHT/ BAND (LBS)	PIECES/ BAND	PIECES/ SQ. FT.	PART # Standard	PART # Antiqued
Mini	3"W x 6"L x 2 <sup>3</sup> / <sub>8</sub> "H	8	78	560	2,020	7	11.08	288	80	7.24	RC6M	T6M
Small	4 <sup>1</sup> / <sub>2</sub> "W x 6"L x 2 <sup>3</sup> / <sub>8</sub> "H	8	81	392	2,190	7	11.67	313	56	4.84	RC6S	T6S
Square	6"W x 6"L x 2 <sup>3</sup> / <sub>8</sub> "H	9	87	315	2,360	7	12.43	337	45	3.62	RC6Q	T6Q
Large	6"W x 9"L x 2 <sup>3</sup> / <sub>8</sub> "H	9	93	225	2,450	5	18.6	490	45	2.42	RC6L	T6L
Large Square	9"W x 9"L x 2 <sup>3</sup> / <sub>8</sub> "H	9	111	180	2,950	5	22.2	580	36	1.62	RC6X	T6X

Pedricktown		Full cubes only. • Available in standard and antiqued texture										
PRODUCT	NOMINAL DIMENSIONS	LAYERS/ CUBE	SQ. FT./ CUBE	PIECES/ CUBE	WEIGHT/ CUBE (LBS)	BANDS/ CUBE	SQ. FT./ BAND	WEIGHT/ BAND (LBS)	PIECES/ BAND	PIECES/ SQ. FT.	PART #	
Square	6"W x 6"L x 2 <sup>3</sup> / <sub>8</sub> "H	10	116	420	3,035	7	16.57	434	60	3.62	PRC060606S	
Large	6"W x 9"L x 2 <sup>3</sup> / <sub>8</sub> "H	10	124	300	3,306	5	24.8	661	60	2.42	PRC060609S	
Large Square	9"W x 9"L x 2 <sup>3</sup> / <sub>8</sub> "H	9	111	180	3,040	5	22.2	608	36	1.62	PRC060909S	

	Standard Colors								ULTRABELLE Collection	
	03 Antique Grey	46 Bedford Brown	08 Brown* 6x9 Only	09 Brown Flash	36 Butternut	02 Charcoal 6x9 Only	47 Hickory Blend	05 Red Flash	72 Brandywine	76 Ocean City Sand
Branchville/Montgomery	✓	✓		✓	✓	✓	✓	✓		
Pedricktown	✓			✓	✓	✓	✓	✓	✓ Not available in 9x9	✓ Not available in 9x9

\* Special order only.



Mini

Small

Square

Large

Large Square



# PAVERS - 60MM

All paver sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

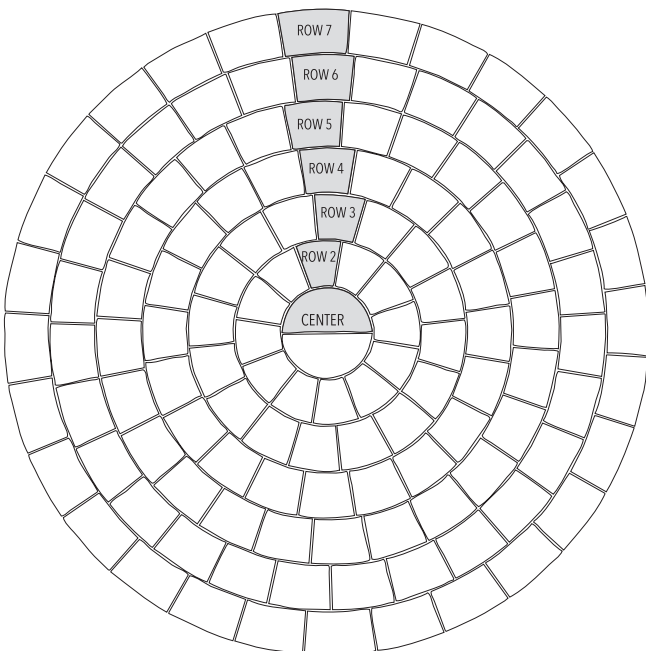
## ROMAN COBBLE Circle

Branchville/Montgomery		Available in standard finish. Antique texture - special order in Branchville/Montgomery.						
PRODUCT	DIAMETER	COVERAGE	KITS REQUIRED	KITS/PALLET	PALLET WEIGHT (Branchville/Montg.)	PALLET WEIGHT (Pedricktown)	PART # Standard	PART # Antiqued
Roman Cobble Circle Kit	10' - 1 1/4"	81 sq. ft.	1 per circle	1	2,820 lbs	2,876 lbs	RC6C	T6C

Pedricktown		Available in standard finish only.						
PRODUCT	DIAMETER	COVERAGE	KITS REQUIRED	KITS/PALLET	PALLET WEIGHT (Branchville/Montg.)	PALLET WEIGHT (Pedricktown)	PART #	
Roman Cobble Circle Kit	10' - 1 1/4"	81 sq. ft.	1 per circle	1	2,820 lbs	2,876 lbs	PRC060081S	

Our new 10' 1 1/4" diameter circle kits feature seven large distinctively shaped pavers that can unify your project with the hardscape around it. They're produced just like our other pavers, making the surface texture and color a precise match. Create a focal point by using a circle to design an intimate seating area or to transition from a walkway or a patio.

	Standard Colors					
	03 Antique Grey	46 Bedford Brown	09 Brown Flash	36 Butternut	47 Hickory Blend	05 Red Flash
Branchville/Montgomery	✓	✓	✓	✓	✓	✓
Pedricktown	✓		✓	✓	✓	✓



# PAVERS - 60MM

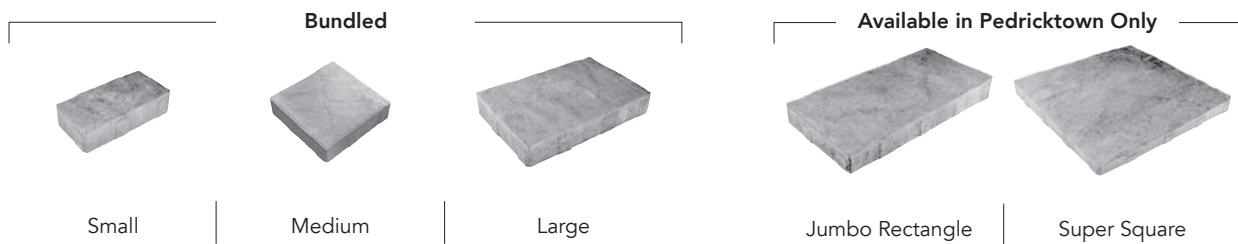
All paver sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## SLATE STONE

Branchville/Montgomery		Full cubes only. • Available in standard finish only.									
PRODUCT	NOMINAL DIMENSIONS	LAYERS/ CUBE	SQ. FT./ CUBE	PIECES/ CUBE	WEIGHT/ CUBE (LBS)	BANDS/ CUBE	SQ. FT./ BAND	WEIGHT/ BAND (LBS)	PIECES/ BAND	PIECES/ SQ. FT.	PART #
Bundled	Small	10	109	100	2,830			NA			SS6
	Medium			60							
	Large			60							

Pedricktown		Full cubes only. • Available in standard finish only. The Jumbo Rectangle and Super Square pavers are not intended for vehicular applications.									
PRODUCT	NOMINAL DIMENSIONS	LAYERS/ CUBE	SQ. FT./ CUBE	PIECES/ CUBE	WEIGHT/ CUBE (LBS)	BANDS/ CUBE	SQ. FT./ BAND	WEIGHT/ BAND (LBS)	PIECES/ BAND	PIECES/ SQ. FT.	PART #
Bundled	Small	10	109	100	2,876			NA			PSS060109S
	Medium			60							
	Large			60							
Jumbo Rectangle	8¾" W x 17½" L x 2⅜"H	10	87	80	2,334	2	43.5	1,167	40	0.88	PSS060817S
Super Square	17½"W x 17½"L x 2⅜"H	10	87	40	2,289	2	43.5	1,145	20	0.44	PSS061717S

	Standard Colors				ULTRABELLE Collection		
	03 Antique Grey	46 Bedford Brown	36 Butternut	47 Hickory Blend	72 Brandywine	07 Deep Creek Grey	76 Ocean City Sand
Branchville/Montgomery	✓	✓	✓	✓			✓
Pedricktown	✓		✓	✓	✓	✓	✓





# PAVERS - 60MM

All paver sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## SLATE STONE Circle

### Branchville/Montgomery

Available in standard finish only.

PRODUCT	DIAMETER	COVERAGE	PIECES/CUBE	PALLET WEIGHT	PART #
Slate Stone Circle Kit	10' - 1 1/4"	81 sq. ft.	170	2,868	SSC6

### Pedricktown

Available in standard finish only.

PRODUCT	DIAMETER	COVERAGE	PIECES/CUBE	PALLET WEIGHT	PART #
Slate Stone Circle Kit	10' - 1 1/4"	81 sq. ft.	170	2,852	PSS060081S

#### Standard Colors

#### ULTRABELLE Collection

	03	46	36	47	72	07	76
	Antique Grey	Bedford Brown	Butternut	Hickory Blend	Brandywine	Deep Creek Grey	Ocean City Sand
Branchville/Montgomery	✓	✓	✓	✓			✓
Pedricktown	✓		✓	✓	✓	✓	✓



Center Piece(s)



Row 2



Row 3



Row 4



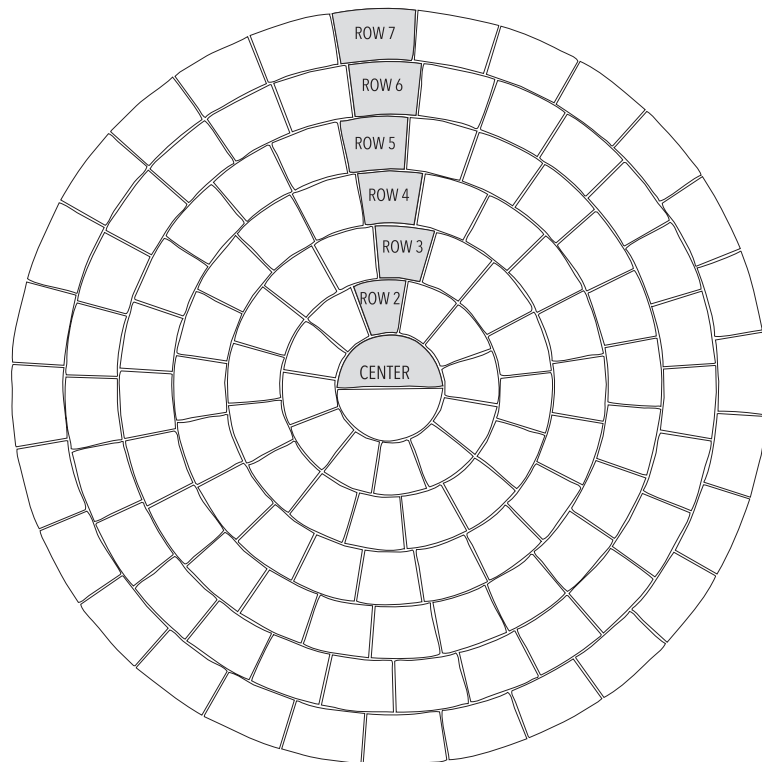
Row 5



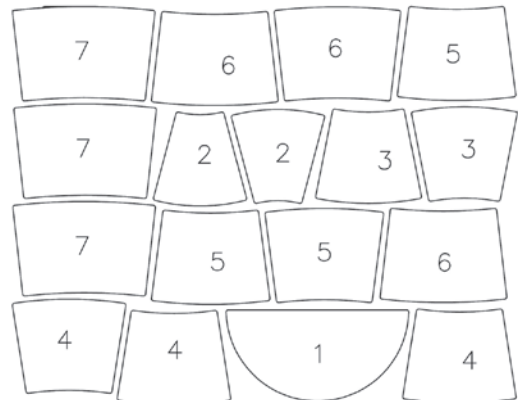
Row 6



Row 7



The diagram shows the layout of the Slate Stone Circle Kit Cube. If you go by this diagram you will see that each layer of the cube has these same pieces in this order. You will have left over pieces. Another way to know which pieces go on each row is to pre-stack them by size before you begin laying the circle. This will help eliminate the need for cutting. Extra pieces could be used for stepping stones, or cuts within the circle if needed.



# PAVERS - 70MM

All paver sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## VIENNA CLASSIC™

Branchville/Montgomery			Full combined cubes only. • Available in antiqued texture only.									
PRODUCT		NOMINAL DIMENSIONS	LAYERS/CUBE	SQ. FT./CUBE	PIECES/CUBE	WEIGHT/CUBE (LBS)	BANDS/CUBE	SQ. FT./BAND	WEIGHT/BAND (LBS)	PIECES/BAND	PIECES/SQ. FT.	PART #
SMALL	Bundled	Small	10	113	160	3,300						VC7S_T
		Square			160							
		Large			160							
LARGE	Bundled	Extra Large	10	93	120	3,450						VC7L_T
		Jumbo			60							

Pedricktown			Full combined cubes only. • Available in antiqued texture only.									
PRODUCT		NOMINAL DIMENSIONS	LAYERS/CUBE	SQ. FT./CUBE	PIECES/CUBE	WEIGHT/CUBE (LBS)	BANDS/CUBE	SQ. FT./BAND	WEIGHT/BAND (LBS)	PIECES/BAND	PIECES/SQ. FT.	PART #
SMALL	Bundled	Small	7	115	160	3,584						PVC070603M
		Square			160							
		Large			160							
LARGE	Bundled	Extra Large	7	114	120	3,573						PVC070612M
		Jumbo			60							

	Standard Colors			ULTRABELLE Collection	
	03 Antique Grey	36 Butternut	47 Hickory Blend	72 Brandywine	76 Ocean City Sand
Branchville/Montgomery	✓	✓	✓		
Pedricktown	✓	✓	✓	✓	✓



# PAVERS - 70MM

All paver sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## VILLA GRANDE SERIES®

Branchville/Montgomery		Full cubes only. • Available in standard and antiqued texture.										
PRODUCT	NOMINAL DIMENSIONS	LAYERS/ CUBE	SQ. FT./ CUBE	PIECES/ CUBE	WEIGHT/ CUBE (LBS)	BANDS/ CUBE	SQ. FT./ BAND	WEIGHT/ BAND (LBS)	PIECES/ BAND	PIECES/ SQ. FT.	PART # Standard	PART # Antiqued
Square	9"W x 9"L x 2¾"H	8	90	160	2,720	5	18	544	32	1.8	VG7S	VG7S-T
Jumbo	9"W x 12"L x 2¾"H	8	96	128	2,850	4	24	712	32	1.33	VG7L	VG7L-T
Jumbo Square	12"W x 12"L x 2¾"H	8	96	96	2,820	4	24	712	24	1	VG7J	VG7J-T
Giant	12"W x 15L" x 2¾"H	8	90	72	2,690	3	30	897	24	0.8	VG7G	VG7G-T

### Standard Colors

	03 Antique Grey	46 Bedford Brown*	09 Brown Flash*	36 Butternut	47 Hickory Blend	05 Red Flash*
Branchville/Montgomery	✓	✓	✓	✓	✓	✓

\* Special order only.



Square



Jumbo



Jumbo Square



Giant

### WARNING:

Because of the high-profile (ridged-top) of the Villa Grande Series, protection is needed when using a plate compactor in order to avoid scratching the surface. The recommended application is the use of a layer between the compactor and the pavers. The preferred anti-scuffing device is a neoprene pad for the compactor. Other options include a mat, cardboard, thin plywood, carpeting or soil separation fabric. CST Pavers suggests using one of these separators with All of our paving lines.



# PAVERS - 80MM

All paver sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## HOLLAND STONE and ROMAN COBBLE

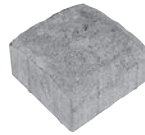
Branchville/Montgomery		Available in standard finish only.									
PRODUCT	NOMINAL DIMENSIONS	LAYERS/ CUBE	SQ. FT./ CUBE	PIECES/ CUBE	WEIGHT/ CUBE (LBS)	BANDS/ CUBE	SQ. FT./ BAND	WEIGHT/ BAND (LBS)	PIECES/ BAND	PIECES/ SQ. FT.	PART #
Holland Stone 80mm	4"W x 8"L x 3 $\frac{1}{8}$ "H	7	75	336	2,850	6	12.5	475	56	4.5	H8
Roman Cobble 6x9 80mm	6"W x 9"L x 3 $\frac{1}{8}$ "H	7	73	175	2,450	5	14.6	490	35	2.42	RC8

Pedricktown		Available in standard finish only.									
PRODUCT	NOMINAL DIMENSIONS	LAYERS/ CUBE	SQ. FT./ CUBE	PIECES/ CUBE	WEIGHT/ CUBE (LBS)	BANDS/ CUBE	SQ. FT./ BAND	WEIGHT/ BAND (LBS)	PIECES/ BAND	PIECES/ SQ. FT.	PART #
Holland Stone 80mm	4"W x 8"L x 3 $\frac{1}{8}$ "H	7	75	336	2,867	6	12.5	448	56	4.5	PHS080408S
Roman Cobble 6x6 80mm	6"W x 6"L x 3 $\frac{1}{8}$ "H	7	67	245	2,458	7	8.7	350	35	3.62	PRC080606S
Roman Cobble 6x9 80mm	6"W x 9"L x 3 $\frac{1}{8}$ "H	7	73	175	2,546	5	14.6	509	35	2.42	PRC080609S

These 8cm pavers are non-stock, special order only. Minimum job size for a special order is 3,000 square feet.



Holland Stone  
80mm



Roman Cobble 6x6  
80mm



Roman Cobble 6x9  
80mm



# SPECIALTY PAVERS

All paver sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## ADA - Detectable Warning Paver

Pedricktown		Standard finish only. Available by special order only. Please call for availability and color options.									
PRODUCT	NOMINAL DIMENSIONS	LAYERS/CUBE	SQ. FT./CUBE	PIECES/CUBE	WEIGHT/CUBE (LBS)	BANDS/CUBE	SQ. FT./BAND	WEIGHT/BAND (LBS)	PIECES/BAND	PIECES/SQ. FT.	PART #
ADA Rectangle	4"W x 8"L x 2¾"H	10	103	480	2,884	6	17.16	480	80	4.66	20051



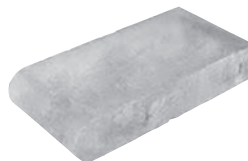
## BULLNOSE

Branchville/Montgomery		Available in standard finish. Antiqued texture finish available by special order. Full cubes only.									
PRODUCT	NOMINAL DIMENSIONS	LAYERS/CUBE	SQ. FT./CUBE	PIECES/CUBE	WEIGHT/CUBE (LBS)	BANDS/CUBE	SQ. FT./BAND	WEIGHT/BAND (LBS)	PIECES/BAND	PIECES/SQ. FT.	PART #
Bullnose	6"W x 12"L x 2½"H	4	104	208	2,375	4	26	594	52	2	Standard - LBW6 Antiqued - TLBW6

Pedricktown		Available in standard finish only.									
PRODUCT	NOMINAL DIMENSIONS	LAYERS/CUBE	SQ. FT./CUBE	PIECES/CUBE	WEIGHT/CUBE (LBS)	BANDS/CUBE	SQ. FT./BAND	WEIGHT/BAND (LBS)	PIECES/BAND	PIECES/SQ. FT.	PART #
Bullnose	6"W x 12"L x 2½"H	4	104	208	2,680	4	26	670	52	2	PBN061206S

	Standard Colors								ULTRABELLE Collection		
	03 Antique Grey	46 Bedford Brown	08 Brown*	09 Brown Flash	36 Butternut	02 Charcoal*	47 Hickory Blend	05 Red Flash	72 Brandywine	07 Deep Creek Grey	76 Ocean City Sand
Branchville/Montgomery	✓	✓	✓	✓	✓	✓	✓	✓			
Pedricktown	✓			✓	✓		✓	✓	✓	✓	✓

\* Special order only.

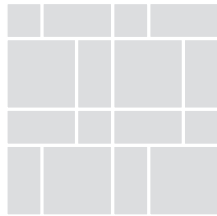


# SPECIALTY PAVERS

All paver sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## MOUNTAIN STONE

Pedricktown		Standard finish only. Please call for availability and color options.									
PRODUCT	NOMINAL DIMENSIONS	LAYERS/ CUBE	SQ. FT./ CUBE	PIECES/ CUBE	WEIGHT/ CUBE (LBS)	BANDS/ CUBE	SQ. FT./ BAND	WEIGHT/ BAND (LBS)	PIECES/ BAND	PIECES/ SQ. FT.	PART #
Unit 1	12"W x 12"L x 1½"H	NA									KMB001212S
Unit 2	12"W x 24"L x 1½"H										KMB001224S
Unit 3	18"W x 18"L x 1½"H										KMB001818S
Unit 4	18"W x 24"L x 1½"H										KMB001824S
Unit 5	24"W x 24"L x 1½"H										KMB002424S
Unit 6	24"W x 36"L x 1½"H										KMB002436S
Unit 7	18"W x 30"L x 1½"H										KMB001830S



	Standard Colors		
	08 Brown*	01 Grey	70 Sandstone
Pedricktown	✓	✓	✓

\* Special order only.



## VERONA™

Pedricktown		Standard finish only. Available by special order only in Pedricktown only. Please call for availability and color options.									
PRODUCT	NOMINAL DIMENSIONS	LAYERS/ CUBE	SQ. FT./ CUBE	PIECES/ CUBE	WEIGHT/ CUBE (LBS)	BANDS/ CUBE	SQ. FT./ BAND	WEIGHT/ BAND (LBS)	PIECES/ BAND	PIECES/ SQ. FT.	PART #
Verona	3"W x 18"L x 3⅞"H	8	55	144	2,066			NA		2.66	330



# PERMEABLE PAVERS

## ROMAN COBBLE GREEN

Branchville/Montgomery		Available in standard and antiqued texture. Special order only.									
PRODUCT	NOMINAL DIMENSIONS	LAYERS/CUBE	SQ. FT./CUBE	PIECES/CUBE	WEIGHT/CUBE (LBS)	BANDS/CUBE	SQ. FT./BAND	WEIGHT/BAND (LBS)	PIECES/BAND	PIECES/SQ. FT.	PART #
Roman Cobble Green	6"W x 9"L x 3 1/8"H	7	86	210	2,840	5	17.2	568	42	2.42	GR8L
Roman Cobble Green Antiq.	6"W x 9"L x 3 1/8"H	7	86	210	2,840	5	17.2	568	42	2.42	GM8L_T

Pedricktown		Available in antiqued texture. Special order only.									
PRODUCT	NOMINAL DIMENSIONS	LAYERS/CUBE	SQ. FT./CUBE	PIECES/CUBE	WEIGHT/BAND (LBS)	BANDS/CUBE	SQ. FT./BAND	WEIGHT/BAND (LBS)	PIECES/BAND	PIECES/SQ. FT.	PART #
Roman Cobble Green	6"W x 9"L x 3 1/8"H	7	86	210	2,926	5	17.2	585	42	2.42	GRG080609S
Roman Cobble Green Antiq.	6"W x 9"L x 3 1/8"H	7	86	210	2,926	5	17.2	585	42	2.42	GRG080609A



Roman Cobble Green

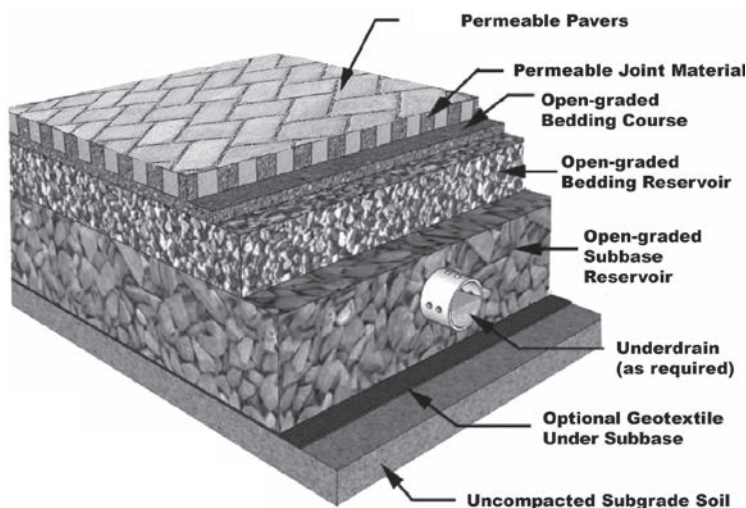


Roman Cobble Green Antiqued

Permeable pavers are environmentally-friendly hardscape paver product from CST Pavers.

- Permeable pavers with storage bed systems may be used to meet the groundwater recharge requirements of the NJDEP.
- LEED Point eligibility for sustainable sites.
- Infiltrate, filters and decreases stormwater run-off rate.
- Meets U.S. EPA stormwater performance criteria as a best management practice (BMP).

## Permeable Interlocking Concrete Paver Detail (PICP)



An open-graded base is most commonly used because it has water storage capacity (void space between the aggregates) of typically 30% to 40%. The stone sizes in open-graded bases can be as large as 3 in. (75 mm) and as small as 1/4 in. (6 mm). There is typically a thinner layer of small stone sizes (6 mm to 1 mm) used for bedding directly under the concrete pavers. The bedding and base bedding material maximizes storage, filtering, and treatment of pollutants in stormwater runoff entering the pavement surface. Open-graded bases are preferred because of the storage and treatment benefits.

If soil infiltration is slow (generally under 0.5 in./hour or 1.3 x 10<sup>-2</sup> m/sec), perforated plastic pipe drains at the bottom of the base can remove excess water while still allowing some of the water to infiltrate into the soil. The drainage rate for the water contained in the base is typically no greater than 24 hours. Over practically impervious soils or high bedrock, an impervious pond liner can be used to detain, filter and release the water through drain pipes. Regardless of the rate of soil infiltration, the filtering action of the open-graded base can reduce water pollutants.

# PERMEABLE PAVERS

All paver sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## ECO-ENVIRO STONE

Branchville/Montgomery		Available in standard finish only. Special order only.					
PRODUCT	NOMINAL DIMENSIONS	LAYERS/CUBE	SQ. FT./CUBE	PIECES/CUBE	WEIGHT/CUBE (LBS)	PIECES/SQ. FT.	PART #
Eco-Enviro Stone	5"W x 10"L x 3 1/8"H	8	98	280	3,583	2.86	68001

Pedricktown		Available in standard finish only.					
PRODUCT	NOMINAL DIMENSIONS	LAYERS/CUBE	SQ. FT./CUBE	PIECES/CUBE	WEIGHT/CUBE (LBS)	PIECES/SQ. FT.	PART #
Eco-Enviro Stone	5"W x 10"L x 3 1/8"H	8	98	280	3,634	2.86	682



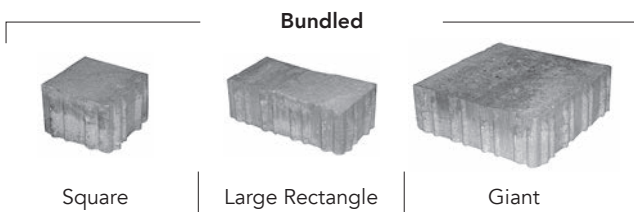
	Standard Colors		
	03 Antique Grey	36 Butternut	47 Hickory Blend
Pedricktown	✓	✓	✓

## ECO-VENETIAN® STONE II

Branchville/Montgomery		Full cubes only. • Standard finish only.											
	PRODUCT	NOMINAL DIMENSIONS	LAYERS/CUBE	SQ. FT./CUBE	PIECES/CUBE	WEIGHT/CUBE (LBS)	BANDS/CUBE	SQ. FT./BAND	WEIGHT/BAND (LBS)	PIECES/BAND	PIECES/SQ. FT.	PART #	
Bundled	Small Rectangle	5"W x 5"L x 3 1/8"H	8	84	80	3,178					5.8	682	
	Medium Square	5"W x 10"L x 3 1/8"H			136						Packaged in full cubes. No bands.		2.9
	Large Rectangle	10"W x 10"L x 3 1/8"H			32						1.44		

Pedricktown		Full cubes only. • Standard finish only.											
	PRODUCT	NOMINAL DIMENSIONS	LAYERS/CUBE	SQ. FT./CUBE	PIECES/CUBE	WEIGHT/CUBE (LBS)	BANDS/CUBE	SQ. FT./BAND	WEIGHT/BAND (LBS)	PIECES/BAND	PIECES/SQ. FT.	PART #	
Bundled	Small Rectangle	5"W x 5"L x 3 1/8"H	8	84	80	3,178					5.8	682	
	Medium Square	5"W x 10"L x 3 1/8"H			136						Packaged in full cubes. No bands.		2.9
	Large Rectangle	10"W x 10"L x 3 1/8"H			32						1.44		



	Standard Colors		
	03 Antique Grey*	36 Butternut*	47 Hickory Blend*
Branchville/Montgomery	✓		✓
Pedricktown	✓	✓	✓

\* Special order only.



# PERMEABLE PAVERS

Turf-Stone offers specific and distinct advantages for Erosion Control, Overflow Parking, Scenic Parks, Emergency Access and other vehicular access areas. Turf-Stone Pavers have 40% open space and it takes  $\frac{1}{3}$  cubic foot of material to fill the voids (dependent on compaction.)

## TURF-STONE

Branchville/Montgomery		Available in standard finish only.					
PRODUCT	NOMINAL DIMENSIONS	LAYERS/CUBE	SQ. FT./CUBE	PIECES/CUBE	WEIGHT/CUBE (LBS)	PIECES/SQ. FT.	PART #
Turf-Stone 10cm	15 $\frac{3}{4}$ "W x 23 $\frac{3}{8}$ "L x 4"H	6	63	24	1,680	0.4	G1001

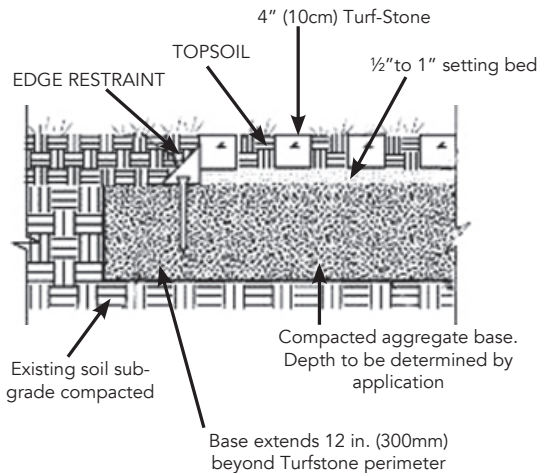
  

Pedricktown		Available in standard finish only.					
PRODUCT	NOMINAL DIMENSIONS	LAYERS/CUBE	SQ. FT./CUBE	PIECES/CUBE	WEIGHT/CUBE (LBS)	PIECES/SQ. FT.	PART #
Turf-Stone 8cm	15 $\frac{3}{4}$ "W x 23 $\frac{3}{8}$ "L x 3 $\frac{1}{8}$ "H	8	84	32	1,970	0.4	GTS081524S

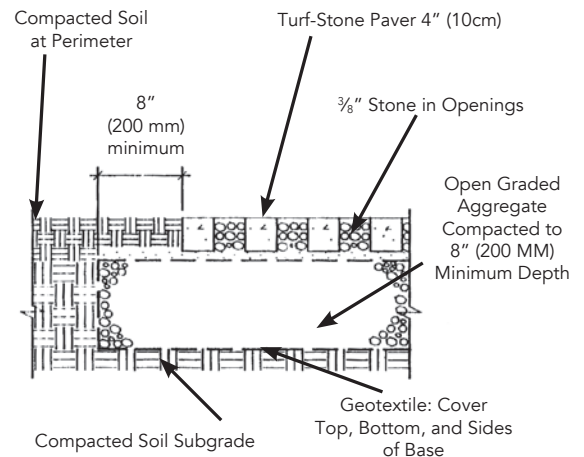


Permeable Interlocking Concrete Pavement (PICP) comprises a layer of solid concrete pavers separated by joints filled with small stones. Water enters the joints between the pavers and into an "open-graded" base-crushed stone layer with no small or fine particles. The void spaces among the crushed stone store water and infiltrate it back into the soil subgrade. The stones in the joints provide permeability, and the base filters stormwater and helps reduce pollutants.

## Typical Detail



## Storm Water Run-Off Control



**MAINTENANCE:** CST Pavers Turf-Stone pavers planted with grass require the same maintenance as lawns, such as watering, mowing, removal of weeds and occasional fertilizing. Placing #8 aggregate may be used inside the Turf-Stone openings as an alternative. Snow can be plowed from Turf-Stone if the plow blade is raised slightly above the surface. Because of their large slab-style shape, Turf-Stone pavers may crack during compaction or while in use. One or two cracks in a unit will not affect the structural integrity or its performance.

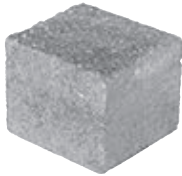
# EDGERS, BORDERS & STEPPING STONES

All paver sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## CARRIAGE STONE™

Available in standard and antiqued finish. Available by special order in Pedricktown only. Please call for availability and color options.

Pedricktown												
PRODUCT	NOMINAL DIMENSIONS	LAYERS/ CUBE	SQ. FT./ CUBE	PIECES/ CUBE	WEIGHT/ CUBE (LBS)	BANDS/ CUBE	SQ. FT./ BAND	WEIGHT/ BAND (LBS)	PIECES/ BAND	PIECES/ SQ. FT.	PART # Standard	PART # Antiqued
Carriage Stone	3 7/8" W x 3 7/8" L x 3 1/8" H	NA	35	324	1,524			NA		9.2	203S	203A



**Standard Colors**

02

Charcoal

Pedricktown	✓
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## CURB STONE

Available in standard finish only. Available by special order in Pedricktown only. Please call for availability and color options.

Pedricktown											
PRODUCT	NOMINAL DIMENSIONS	LAYERS/ CUBE	SQ. FT./ CUBE	PIECES/ CUBE	WEIGHT/ CUBE (LBS)	BANDS/ CUBE	SQ. FT./ BAND	WEIGHT/ BAND (LBS)	PIECES/ BAND	PIECES/ SQ. FT.	PART #
Curb Stone	9" W x 8" L x 3 3/4" H	NA	100	150	3,157			NA		1.5	PCS080908S



**Standard Colors**

03

36

47

05

**ULTRABELLE Collection**

72

76

Antique Grey

Butternut

Hickory Blend

Red Flash

Brandywine

Ocean City Sand

Pedricktown	✓	✓	✓	✓	✓	✓
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# EDGERS, BORDERS & STEPPING STONES

All paver sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## EDGE STONE

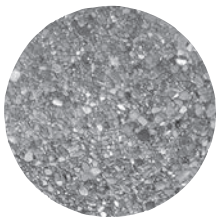
Pedricktown		Available in Pedricktown only. Please call for color options.										
PRODUCT	NOMINAL DIMENSIONS	LAYERS/ CUBE	LN. FT./ CUBE	PIECES/ CUBE	WEIGHT/ CUBE (LBS)	BANDS/ CUBE	SQ. FT./ BAND	WEIGHT/ BAND (LBS)	PIECES/ BAND	PIECES/ LN. FT.	PART # Standard	PART # Antiqued
Edge Stone	8"W x 6"L x 2½"W	NA	120	240	2,237			NA		2	PES060806S	PES060806A



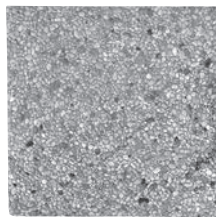
	Standard Colors				ULTRABELLE Collection	
	03 Antique Grey	36 Butternut	47 Hickory Blend	05 Red Flash	72 Brandywine	76 Ocean City Sand
Pedricktown	✓	✓	✓	✓	✓	✓

## STEPPING STONES - Wet Cast

Pedricktown		Available by special order in Pedricktown only. Please call for availability and color options.			
PRODUCT	NOMINAL DIMENSIONS	PIECES/ PALLET	WEIGHT/ PIECE	WEIGHT/ PALLET	PART #
Stepping Stone	18"W x 24"L x 1½"H	60	50	3,000	KSR002424S
Round	18" (round) x 1½"H	60	37	2,200	KEA000018S
Square	24"W x 24"L x 1½"H	40	80	3,200	KEA002424S



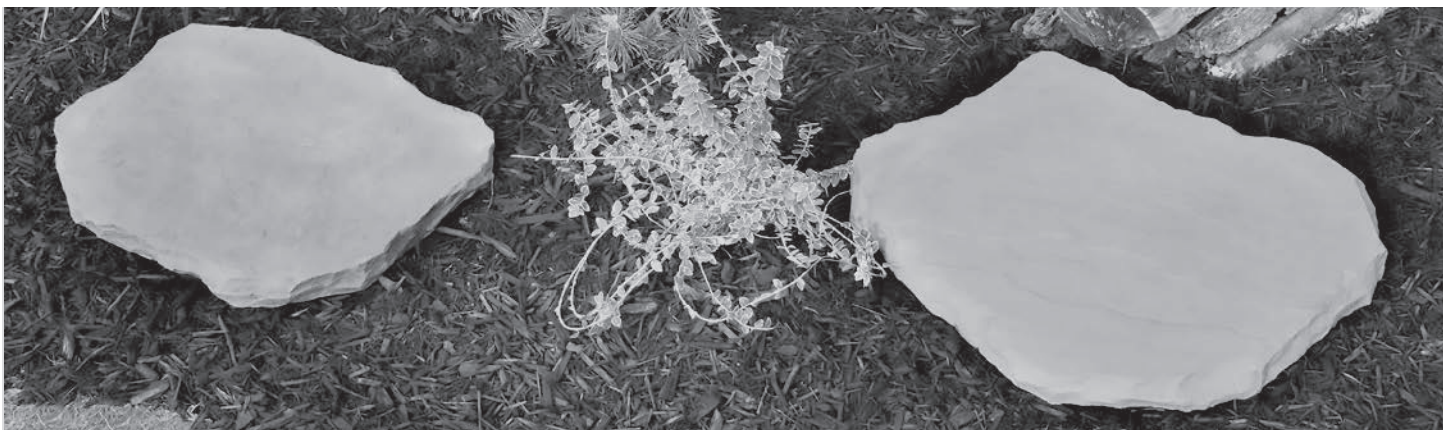
Round



Square

	Standard Colors					
	08 Brown*	12 Delaware Stone*	01 Grey	12 Lilac*	13 Maryland Stone*	70 Sandstone*
Pedricktown	✓	✓	✓	✓	✓	✓

\* Special order only.



# OVERVIEW FOR PAVING STONE INSTALLATIONS

All paver sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## INTERLOCKING CONCRETE PAVER INSTALLATION

Professionals and do-it-yourselfers alike can install interlocking concrete pavers successfully. You will probably have to rent some tools that the average homeowner does not have. If you take our time and pay close attention to the base preparation, you will be pleased with the results.



### EXCAVATION:

Before digging, always call your local utility company to locate any underground lines. In general terms, a minimum of 4" of compacted aggregate base is recommended for patios and walkways, and 8" for residential driveways where freeze/thaw conditions exist. Add 3" for the depth of the bedding sand and the paver thickness to determine the total depth to excavate. Excavation should be 6" wider than the finished pavement's dimensions on sides where edge restraint is to be used. Slope and grade are important to ensure proper runoff. It is best to plan at least a 1/4" per foot drop, but try not to exceed 1/2" per foot.



### BASE PREPARATION:

As with any building project, the finished pavers will be only as good as the construction of the base. For this reason, this is the MOST important part of the installation process.

First, run your plate compactor over the excavated area, making sure that the soil does not get stuck to the bottom of the plate tamper. Each pass should overlap the previous one by about 4". Compaction should be performed in one direction(north-south)then a second time at a right angle (east-west) to the first compaction. It is suggested that a soil separation fabric be laid down over the compacted sub grade, especially in moist or wet areas, to separate virgin soil from the base.



Now spread your stone base material out evenly in a 2" layer. If material is dry and dusty, use a garden hose to evenly moisten it down. This will help make the gravel easier to rake and faster to compact.

Starting around the outer perimeter, use the plate compactor to pack together the base, again overlapping each pass about 4" and working towards the center. You should make at least two complete passes for each layer. Repeat this process for each subsequent layer of base material until the final thickness is achieved. After final compaction, check the entire area for proper pitch and level conditions. The base should now reflect the final grade of your pavers. If you were to place a straight edge on the surface, there should be no more than a 1/4" gap at any point along the straight edge.



### EDGE RESTRAINTS:

The borders for your layout design may now be put into place. The edging is laid directly upon the quarry process base and secured with 10" steel spikes. One spike should be used every (2) feet for walkways and patios and every one (1) foot for driveways and radii.

### SAND SETTING BED:

A setting bed of concrete sand can now be spread on top of the compacted base. Note: It is always important to keep your sand dry. Always keep your sand covered in case of rain. It is suggested that you only screed sand for areas where you will be laying pavers that same day. Lay the screed guides (1" outside diameter electrical conduit, strips of wood or other suitable rigid material) on top of the compacted base material 4'- 6' apart and parallel. For narrow areas such as walkways, the PVC edging can be used as a guide with a notched 2 x 4" board. When the pavers are set on the sand and compacted, the 1" of sand will compress to 1/2" to 5/8" thickness.



### INSTALLATION OF PAVERS:

All projects must start a perfect 90-degree angle. Use the 3-4-5-triangle method to establish this. For an even mix of pavers, select pavers from multiple cubes for optimum color blending. Starting from a permanent edge such as a house, driveway, or even a piece of rigid PVC edge restraint, lay your first paver starting from either side. String lines will assist in assuring straight lines. Spacing between pavers should not exceed 1/8". Set pavers lightly on the sand, never press or hammer them in. If you are doing the project over a couple of days, cover the entire area with plastic overnight if rain is expected.



### COMPACTING AND SWEEPING:

Spread and sweep sand over the entire top of the pavers using a stiff bristle broom. Vibrating with a plate compactor will force the sand between the joints stabilizing and leveling the final surface. The recommended application is the use of a layer between the compactor and the pavers. Excess sand should be swept in the joints. Re-sweep additionally as necessary.

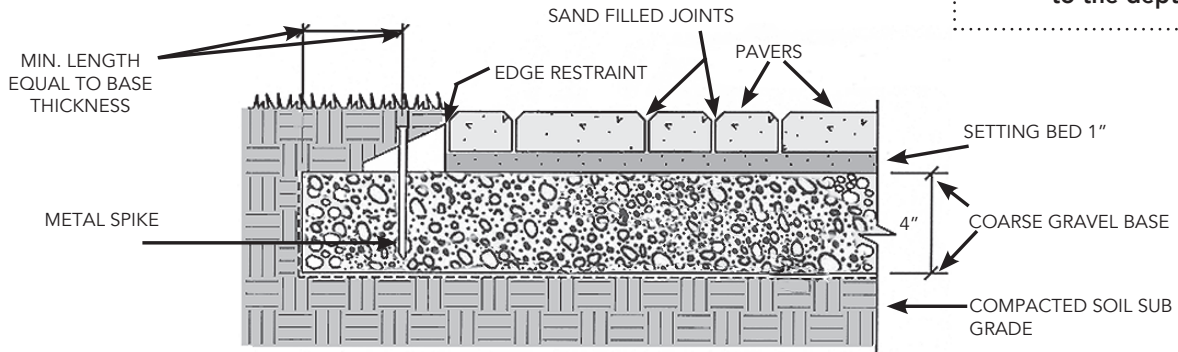
# OVERVIEW FOR PAVING STONE INSTALLATIONS

These illustrations are just a basic guideline.

These illustrations show only a "cut-away" view, the gravel base should extend beyond the edge restraint an equal amount to the depth.

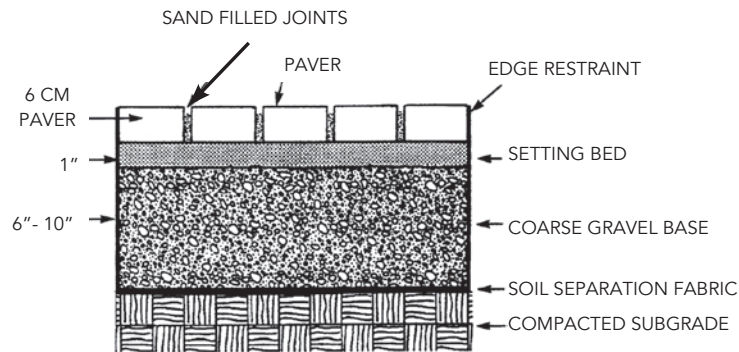
## Typical Residential Detail

Walkway • Patio • Pool Deck



## Typical Light Vehicular Detail

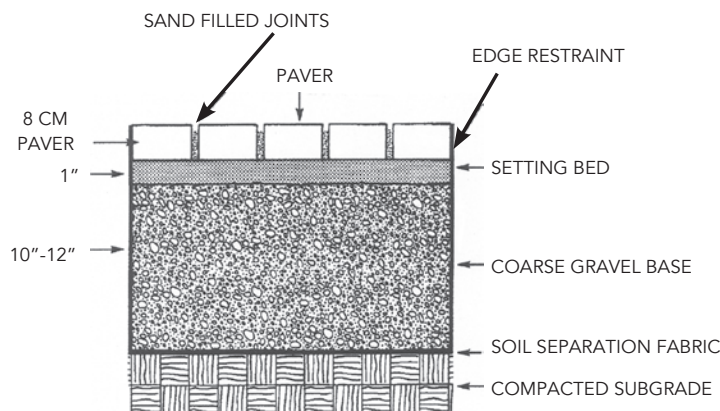
Residential Driveway • Light Truck • Shopping Mall • Plaza



Depending on soil conditions, soil separation fabric may be necessary.

## Typical Heavy Construction Detail

Roadway • Industrial/Heavy Truck • Gas Station



# SITE PREPARATION FORMULAS

## BASE MATERIAL CALCULATIONS:

The following formula is used to calculate the amount of base material ( $\frac{3}{4}$  O.P.).

- Step 1:** Length x Width = Area (Measured in square feet)
- Step 2:** Area  $\div$  12 x Inches of Base Required = Total Cubic Feet of Base
- Step 3:** Cubic Feet of Base x 1.25 (compaction factor)  $\div$  27 = Yards of Base Needed

## BEDDING SAND CALCULATIONS:

The following formula is used to calculate the amount of bedding sand (Clean, sharp, well graded).

Note: 1" to 1 $\frac{1}{2}$ ", but no greater than 1 $\frac{1}{2}$  ".

- Step 1:** Length x Width = Area (Measured in square feet)
- Step 2:** Area  $\div$  12 x 1" (typical thickness) = Cubic Feet of Sand
- Step 3:** Cubic Feet of Sand  $\div$  27 = Yards of Sand Needed

## EDGE RESTRAINT CALCULATIONS:

The following formula is used to calculate the amount of edging.

- Step 1:** Measure the total linear footage of job, less any existing edge (foundation, curbing, wall etc.)
- Step 2:** Total Lineal Feet of Edge Restraint Required  $\div$  length of edging = Total Pieces of Edge Restraint required. some rigid edge restraint pieces are 8')
- Step 3:** Spikes Required: Driveway 1 Per 1 L/F; Walkway 1 Per 2 L/F



\*Calculation formulas are provided as a service by CST Pavers for estimating material requirements. CST Pavers will not be held responsible in any way for resulting product overage or shortage.



# FREQUENTLY ASKED QUESTIONS

## How are Pavers made?

With CST Pavers, the strength and color goes all the way through the paver, so the color won't wear away. CST Pavers uses extremely high quality pigments to color our products. Unlike some pavers that have a thin "topcoat," CST Pavers pavers are colored throughout the entire paver. Because of the sun's ultraviolet rays some overall fading may occur on any pavers.

## How do I clean my Pavers?

CST Pavers recommends using one of the many hardscape cleaners available on the market. Contact your local dealer for their recommendation on which cleaner is best for you.

## Should I seal my pavers?

Sealers help in enhancing colors and resisting stains. There are variety of sealers available, including some that are high gloss, and some that are matte surface. You must wait at least a full season before applying a sealer.

## Will weeds grow up through the pavers?

Weeds do not grow up from below the pavers through the quarry process base. The growth of weeds and grasses results from airborne seeds. Ask your local dealer for their recommendations on which type of weed killer to use for your particular application. But for best results, use a Polymeric Sand during the installation of your pavers to eliminate weeds, ants, etc.

## What is efflorescence?

Efflorescence is a whitish powder-like deposit which sometimes appears on concrete and clay products. The deposit is the residue of a soluble salt (inherent in concrete products) carried to the face of the product by moisture and left on the surface as a dried white powder. Efflorescence is completely natural and will disappear with time.

## What should I do about de-icing?

CST Pavers Pavers are high-density units that resist deterioration from freeze-thaw cycles and deicing salts better than asphalt, ordinary poured-in-place concrete and stamped concrete. Pavers meet or exceed 8000 psi. (which is about three times stronger than regular concrete) and are more resistant to de-icers, but NO concrete product is immune to long term effects. The recommended salts are calcium chloride. Also acceptable are magnesium chloride and sodium chloride. Snow removal is the same as with other pavements, just plow, shovel or use a snow blower.

## Can I pick the color of my CST Pavers Pavers from the color sales literature?

CST Pavers products are made from natural materials, which have variations in colors and shades. The color photos are prepared with great concern for accuracy. Because photo reproductions cannot precisely convey the feel and color of the actual product, we strongly encourage you to visit an Authorized CST Pavers dealer.

## Can I use stone dust under my pavers for the setting bed?

No. Most stone dust has too many fine particles that slow drainage and rut under repeated loads from tires. These small particles hold excessive amounts of water, causing the bedding layer to become saturated. This liquefied layer then becomes unstable and can even pump out of the joints. Concrete sand is recommended. It's the same sand mixed into concrete pavers and poured, cast-in-place concrete. This type of sand is readily available from your local supplier. Most suppliers may refer to this product as washed concrete sand.

## What are Permeable Pavers?

Permeable interlocking concrete pavement (PICP) is comprised of a layer of concrete pavers separated by joints filled with small stones. Water enters joints between solid concrete pavers and flows through an "open-graded" base, i.e. crushed stone layers with no small or fine particles. The void spaces among the crushed stones store water and infiltrate it back into the soil subgrade. The stones in the joints provide 100% surface permeability and the base filters stormwater and reduces pollutants.

## Do you install Permeable Pavers just like regular pavers?

No. Permeable Pavers are installed over an open-graded stone aggregate base with no fines. Standard pavers are installed over a crushed stone base with a sand setting bed.

## Are Permeable Pavers worse or better than regular pavers in winter conditions?

When the sun and temperature are right, ice and snow on PICPs (Permeable Interlocking Concrete Pavement) can melt and immediately soak into the pavement surface. Water does not collect on the surface and re-freeze. This reduces slipping hazards. Sand should not be used for foot or tire traction on PICP. Deicing salts can be used. After plowing, melting of any remaining snow can occur if the temperature rises above freezing. This will help eliminate ice from forming and reduce salt contamination in groundwater. They have the same ability to accept snow plows & blowers without paver damage.

## Are there different kinds of Permeable Pavers?

There are Grass Pavers which can have vegetation planted in the holes or voids. CST Pavers calls theirs Turf-Stone. Interlocking Concrete Pavers are a popular choice in permeable paving. They are filled with open-graded stone aggregates. CST Pavers manufactures many options of permeable pavers.

## Does the surface conform to the Americans with Disabilities Act (ADA) requirements?

Yes. ADA Design Guidelines require that surfaces be firm, stable and slip resistant. PICP designs can provide a firm and stable surface for visually impaired persons and those using wheeled mobility devices. If the openings in the surface are not desirable, solid units can be used in areas subject to disabled persons. Such areas might include designated spaces in parking lots.

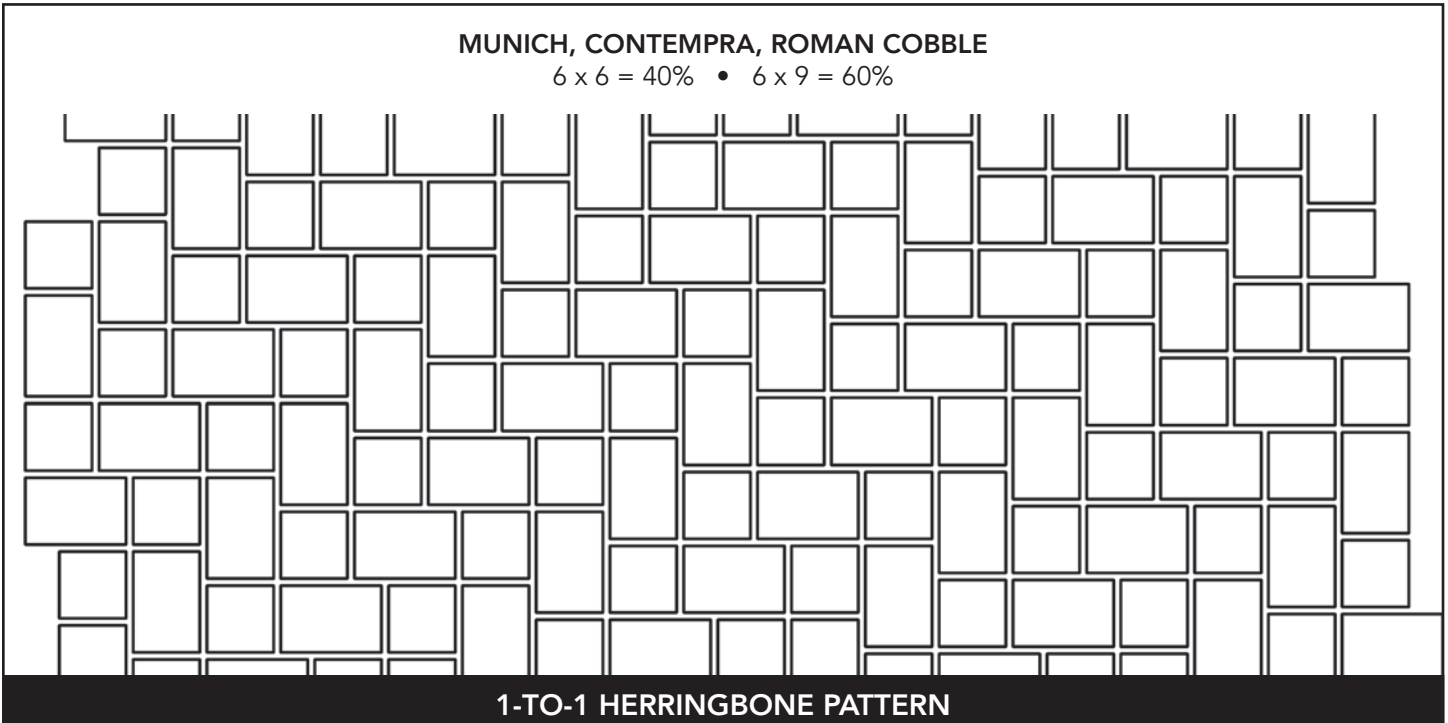
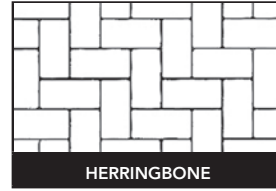
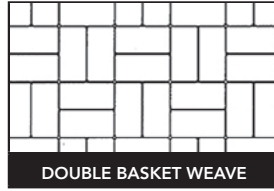
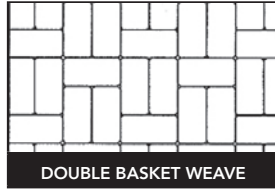
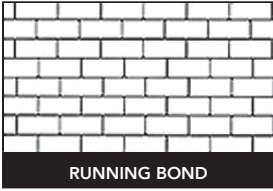
## How is a PICP surface cleaned and how often?

The openings in the surface of PICPs will require periodic removal of detritus and sediment trapped by the small sized crushed stone. Dirt is typically removed by a vacuum-sweeping street cleaning machine. Cleaning is done when the pavement surface and detritus are dry and can be loosened by sweeping and vacuuming. The frequency of cleaning will vary with the used of the pavement and position of the sediment, leaves, etc. from adjacent areas. Cleaning should be done at least once a year, and the surface monitored during the early life of the pavement so that a regular cleaning schedule can be established.

# PAVER PATTERN DESIGNS

Find all of our patterns in a larger, downloadable version on our website: [www.cstpavers.com](http://www.cstpavers.com)

These 5 patterns can be made out of Holland Stone or any of the rectangular shaped pavers.



## Paver Calculation Formula

I. Total Area (square footage)	(I) _____	Sq. ft.
II. Total Border (linear footage)	(II) _____	Ln. ft.
a. Convert Ln. ft. to # of pavers	(IIa) _____	Pavers
b. Convert # of pavers to sq. ft.	(IIb) _____	Square foot
c. Field area = total area (sq. ft.)	(I) _____	Total area (sq. footage)
Subtract Border (sq. footage)	minus (IIc) _____	Border (sq. footage)
	equals _____	Field area (sq. footage)

### III. Calculate Pattern Ratio Using Field Area

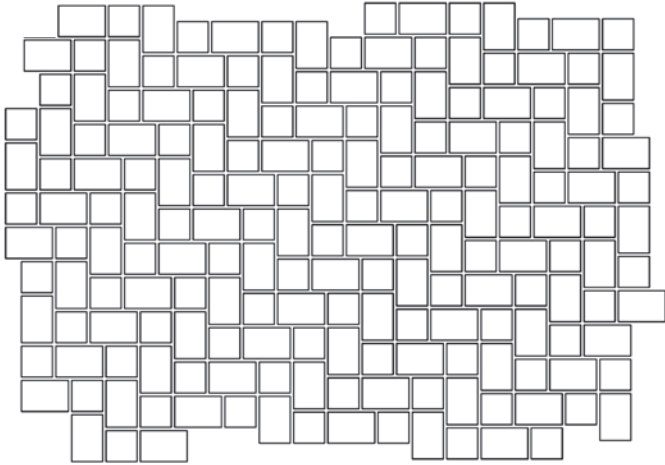
Paver _____	Size 5	( _____ %)	x (Field Area) = _____	sq. ft. = _____	Cubes _____	Bands _____
Paver _____	Size 5	( _____ %)	x (Field Area) = _____	sq. ft. = _____	Cubes _____	Bands _____
Paver _____	Size 5	( _____ %)	x (Field Area) = _____	sq. ft. = _____	Cubes _____	Bands _____
Paver _____	Size 5	( _____ %)	x (Field Area) = _____	sq. ft. = _____	Cubes _____	Bands _____
Paver _____	Size 5	( _____ %)	x (Field Area) = _____	sq. ft. = _____	Cubes _____	Bands _____
Border (sq. footage from above) =				sq. ft. = _____	Cubes _____	Bands _____



# PAVER PATTERN DESIGNS

## ROMAN COBBLE

6 x 3 = 40% • 6 x 4½ = 60%

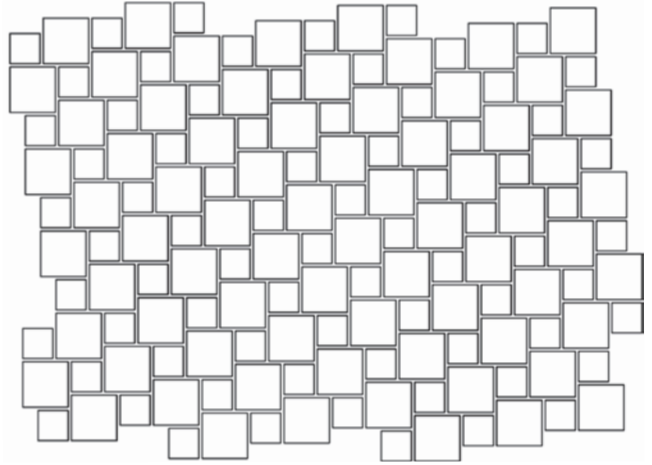


Sizes available only at Branchville/Montgomery.

1-TO-1 HERRINGBONE PATTERN

## CONTEMPRA, MUNICH AND ROMAN COBBLE

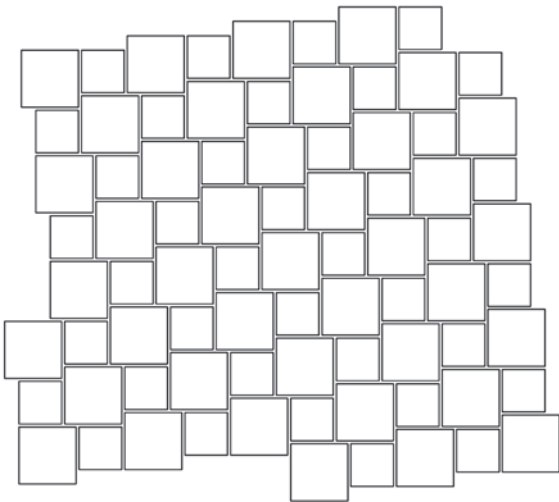
9 x 9 = 69% • 6 x 6 = 31%



1-TO-1 HERRINGBONE PATTERN

## VILLA GRANDE®

9 x 9 = 36% • 12 x 12 = 64%

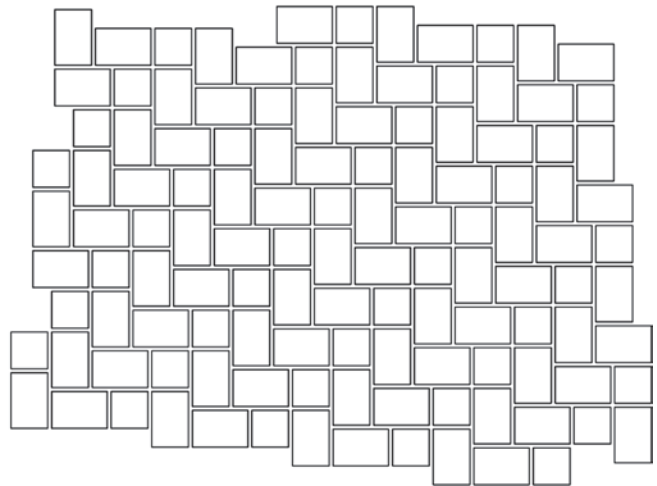


This paver available only at Branchville/Montgomery.

1-TO-1 HERRINGBONE PATTERN

## CONTEMPRA, MUNICH AND ROMAN COBBLE

6 x 6 = 25% • (2) 6 x 9 = 75%

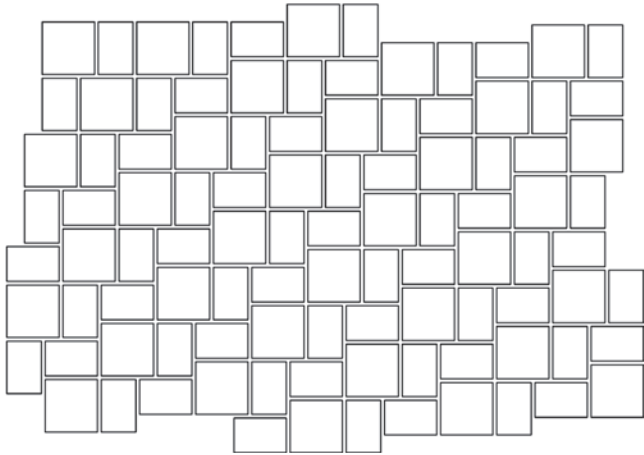


2-TO-1 HERRINGBONE PATTERN

# PAVER PATTERN DESIGNS

## CONTEMPRA, MUNICH AND ROMAN COBBLE

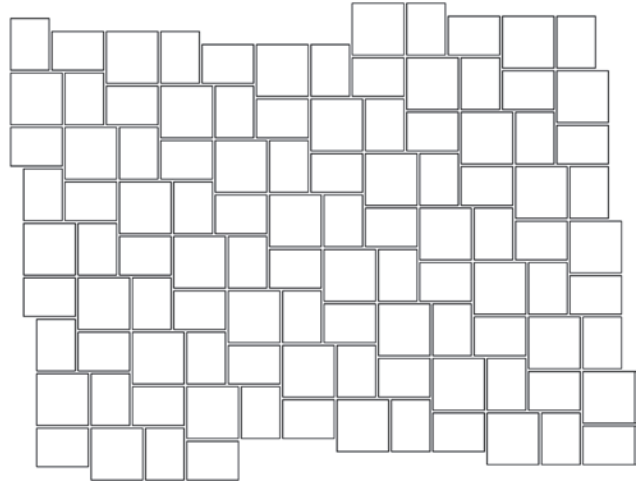
(2)  $6 \times 9 = 57\%$  •  $9 \times 9 = 43\%$



**2-TO-1 HERRINGBONE PATTERN**

## VILLA GRANDE®

(2)  $9 \times 12 = 60\%$  •  $12 \times 12 = 40\%$

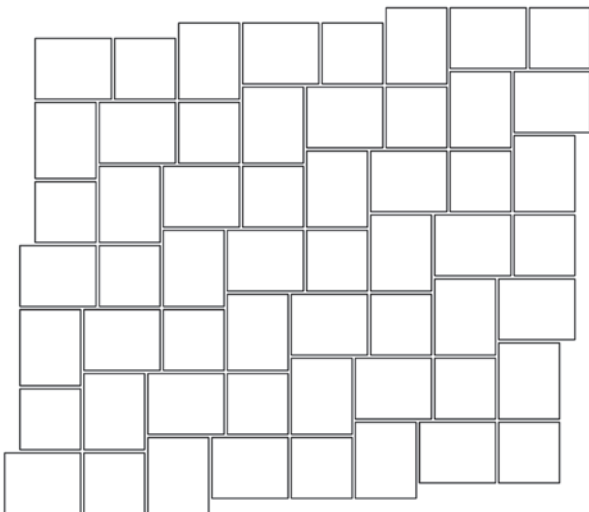


This paver available only at Branchville/Montgomery.

**2-TO-1 HERRINGBONE PATTERN**

## VILLA GRANDE®

$9 \times 9 = 27\%$  • (2)  $9 \times 12 = 73\%$

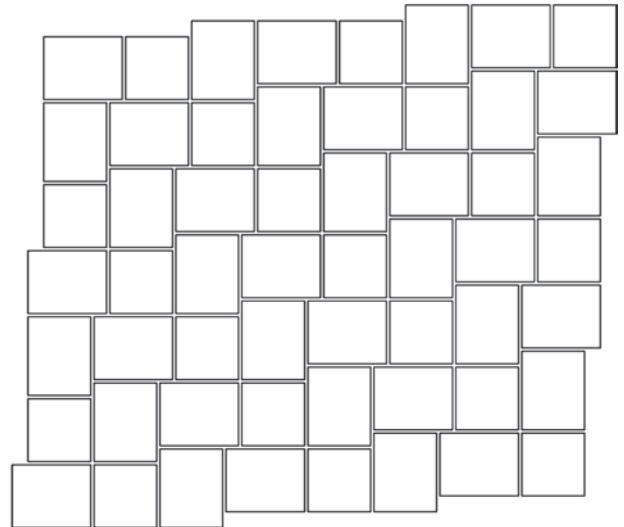


This paver available only at Branchville/Montgomery.

**2-TO-1 HERRINGBONE PATTERN**

## VILLA GRANDE®

$12 \times 12 = 29\%$  • (2)  $12 \times 15 = 71\%$



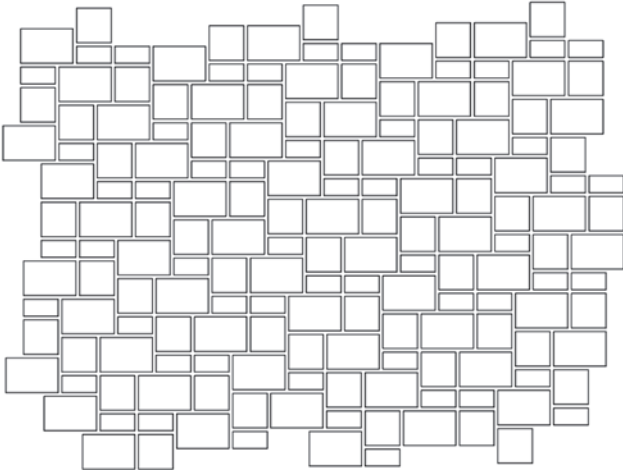
This paver available only at Branchville/Montgomery.

**2-TO-1 HERRINGBONE PATTERN**

# PAVER PATTERN DESIGNS

## ROMAN COBBLE

6 x 3 = 17% • 6 x 6 = 33% • 6 x 9 = 50%

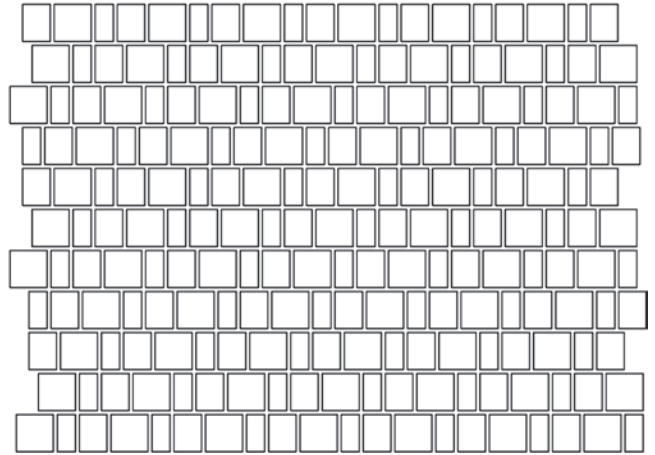


6x3 available only at Branchville/Montgomery.

### 1-TO-1-TO-1 HERRINGBONE PATTERN

## ROMAN COBBLE

6 x 3 = 23% • 6 x 6 = 44% • 6 x 4.5 = 33%

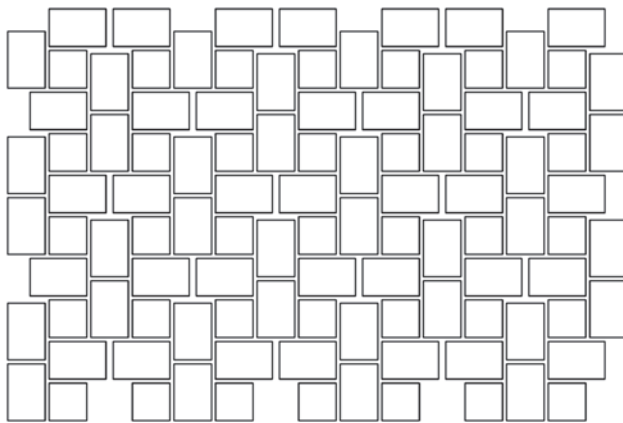


The two smaller sizes available only at Branchville/Montgomery.

### RUNNING BOND PATTERN

## CONTEMPRA®, MUNICH AND ROMAN COBBLE

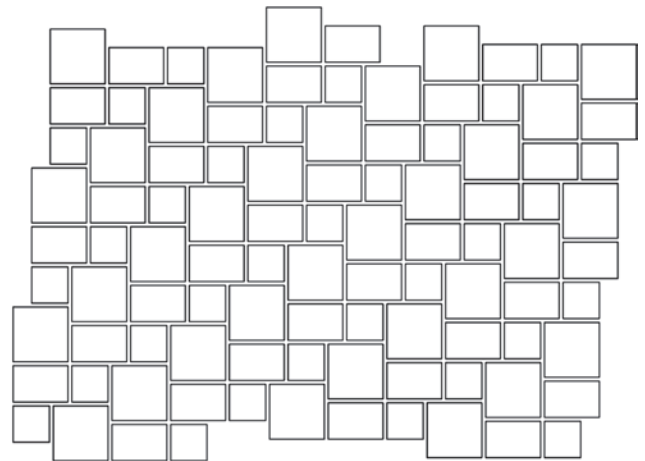
6 x 6 = 25% • 6 x 9 = 75%



### K-PATTERN

## CONTEMPRA®, MUNICH AND ROMAN COBBLE

6 x 6 = 21% • 6 x 9 = 32% • 9 x 9 = 47%

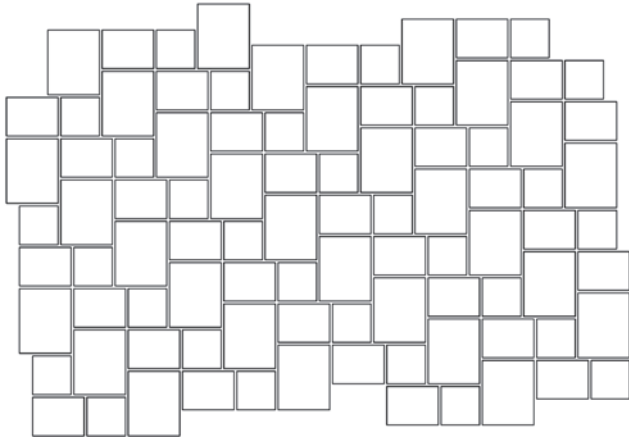


### 1-TO-1-TO-1 HERRINGBONE PATTERN

# PAVER PATTERN DESIGNS

## VILLA GRANDE®

9 x 9 = 22% • 9 x 12 = 29% • 12 x 15 = 49%

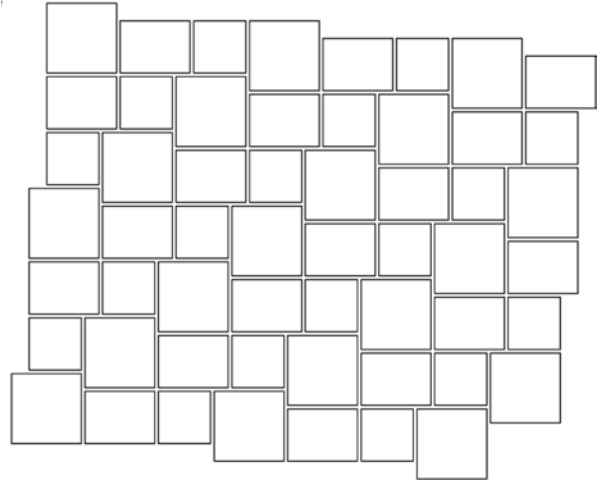


This paver available only at Branchville/Montgomery.

### 3-SIZE HERRINGBONE PATTERN

## VILLA GRANDE®

9 x 9 = 25% • 9 x 12 = 33% • 12 x 12 = 42%

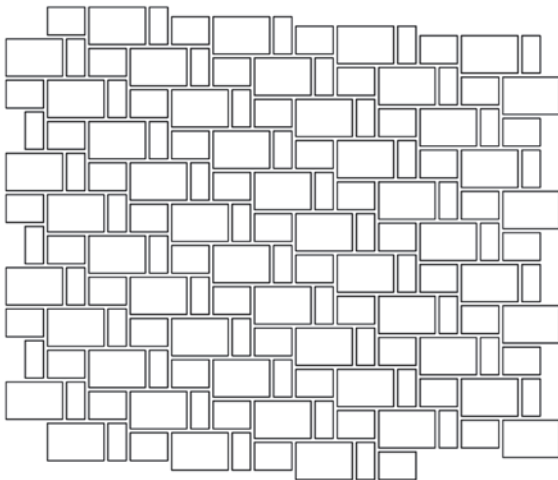


This paver available only at Branchville/Montgomery.

### 3-SIZE HERRINGBONE PATTERN

## ROMAN COBBLE

6 x 3 = 18% • 6 x 9 = 55% • 6 x 4.5 = 27%

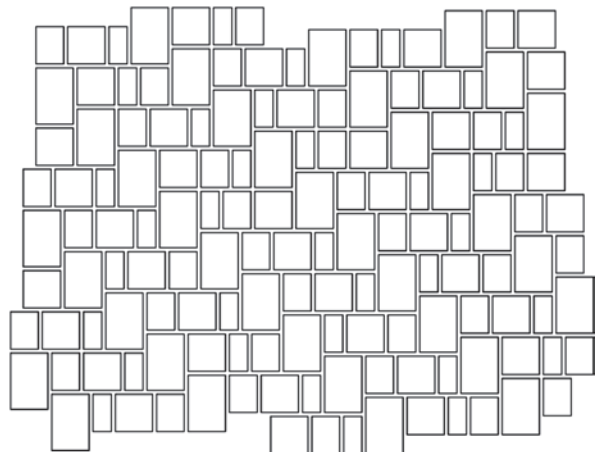


The smaller sizes available only at Branchville/Montgomery.

### 1-TO-1-TO-1 HERRINGBONE PATTERN

## ROMAN COBBLE

6 x 3 = 13% • 6 x 6 = 27% • 6 x 4½ = 20% • 6 x 9 = 40%



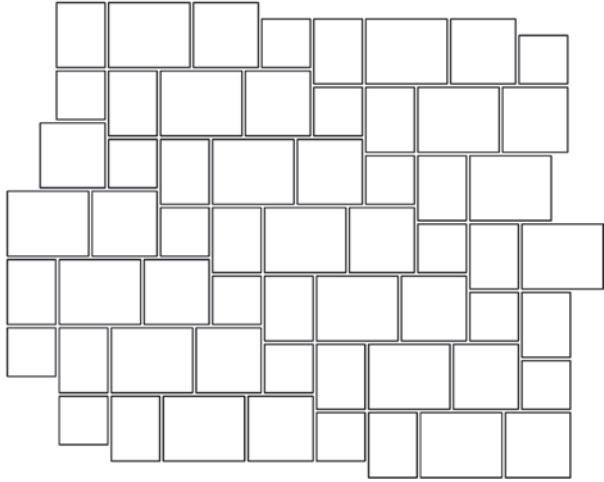
The two smaller sizes available only at Branchville/Montgomery.

### 2-TO-1 HERRINGBONE PATTERN

# PAVER PATTERN DESIGNS

## VILLA GRANDE®

9 x 9 = 16% • 12 x 12 = 28%  
 9 x 12 = 21% • 12 x 15 = 35%

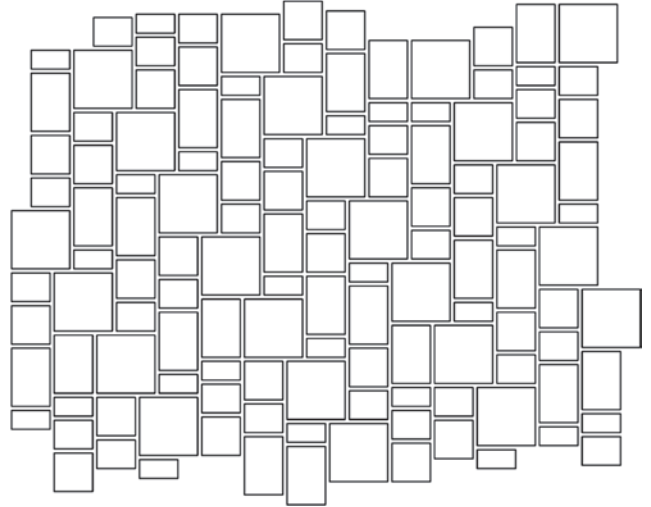


This paver available only at Branchville/Montgomery.

**4-SIZE HERRINGBONE PATTERN**

## ROMAN COBBLE

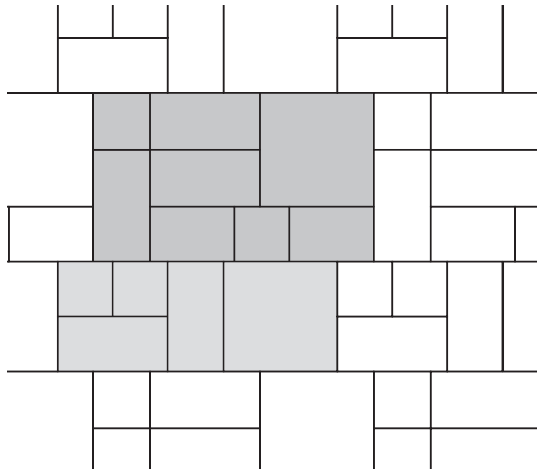
6 x 3 = 8% • 6 x 4½ = 12% • 6 x 6 = 17%  
 6 x 9 = 25% • 9 x 9 = 38%



The two smaller sizes available only at Branchville/Montgomery.

**5-SIZE HERRINGBONE PATTERN**

## ECO-VENETIAN® STONE II



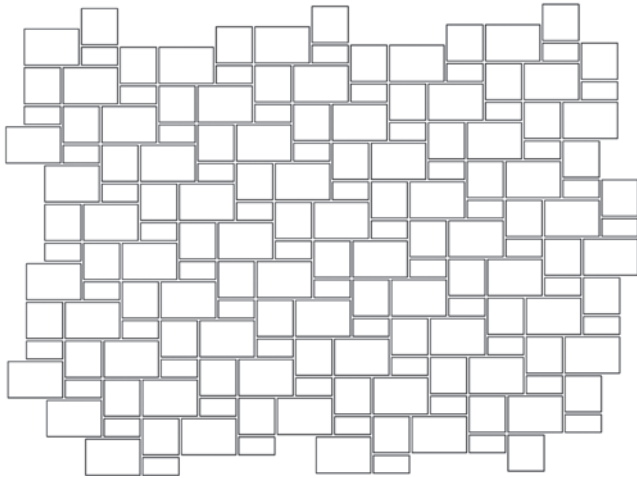
**4-SIZE HERRINGBONE PATTERN**



# PAVER PATTERN DESIGNS

## SLATE STONE

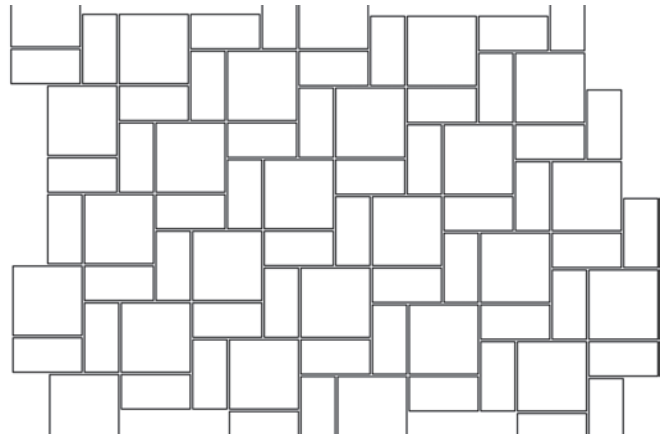
These sizes of Slate Stone, 4 x 9, 9 x 9 and 9 x 13 are packaged together on one Pallet. There are 100 - 4 x 9, 60 - 9 x 9 and 60 - 9 x 13. With this pattern, you will always have extra 4 x 9 pieces. Can be used for a border.



**3-SIZE HERRINGBONE PATTERN**

## SLATE STONE

9 x 18 = 50% • 18 x 18 = 50%

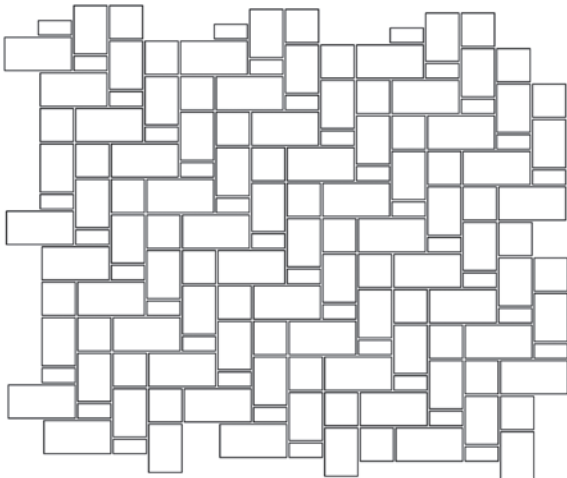


These sizes available only at Pedricktown.

**2-TO-1 HERRINGBONE PATTERN**

## SLATE STONE

4 x 9 = 10% • 9 x 9 = 20%  
9 x 13 = 29% • 9 x 18 = 39%

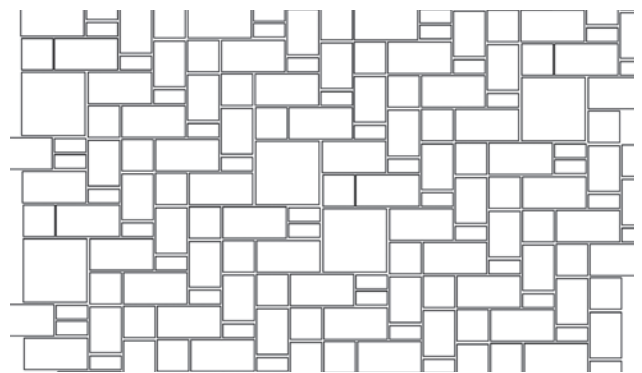


In this pattern, you will have: 20 extra 9 x 18, 40 extra 4 x 9  
You could use these pieces for a border.  
Large 9x18 paver only available at Pedricktown.

**4-SIZE HERRINGBONE PATTERN (1:1:1:1)**

## SLATE STONE

4 x 9 = 10% • 9 x 9 = 20% • 9 x 13 = 29%  
9 x 18 = 39% • 18 x 18 = \*\*%



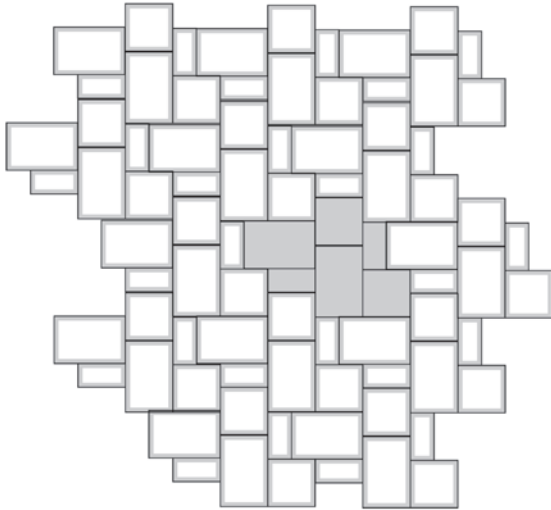
\*\*Just add the 18 x 18 as per your preference. This will  
reduce the other four percentages.  
Two largest sizes only available at Pedricktown.

**5-SIZE RANDOM PATTERN**

# PAVER PATTERN DESIGNS

## PANORAMA DEMI

This cube includes: 240 pieces of 4 x 8, 8 x 8 and 8 x 12.

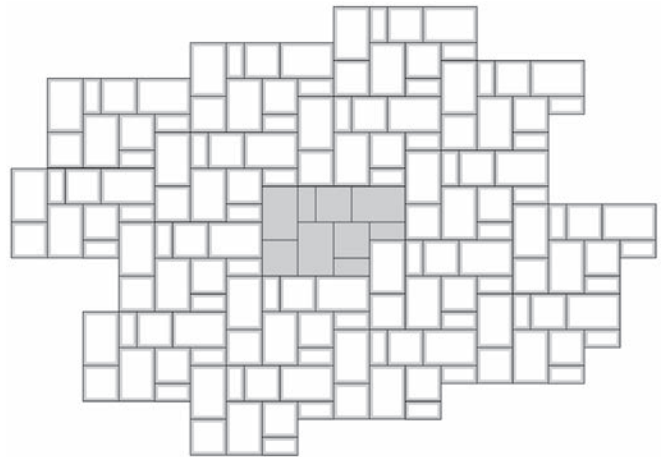


The CityStone Series of pavers can also be layed into these Panorama patterns. This paver series only available at Branchville/Montgomery.

**PANORAMA DEMI**

## PANORAMA DEMI

This cube includes: 240 pieces of 4 x 8, 8 x 8 and 8 x 12.

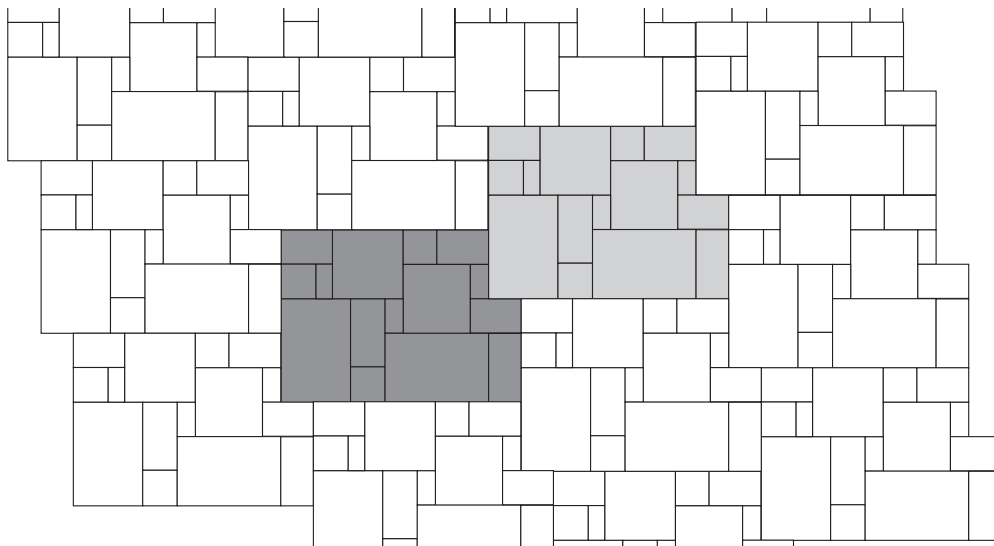


This paver series only available at Branchville/Montgomery.

**PANORAMA DEMI**

## PANORAMA DEMI AND SUPRA

This pattern includes: 4 x 8, 8 x 8, 8 x 12, 8 x 16, 16 x 16 and 16 x 24.

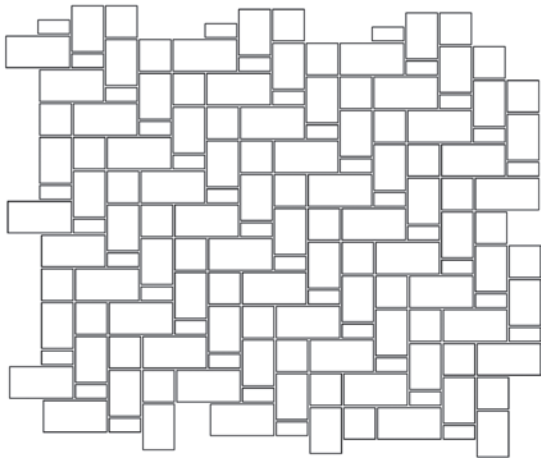


This paver series only available at Branchville/Montgomery.

**PANORAMA DEMI AND SUPRA**

# PAVER PATTERN DESIGNS

## VIENNA CLASSIC

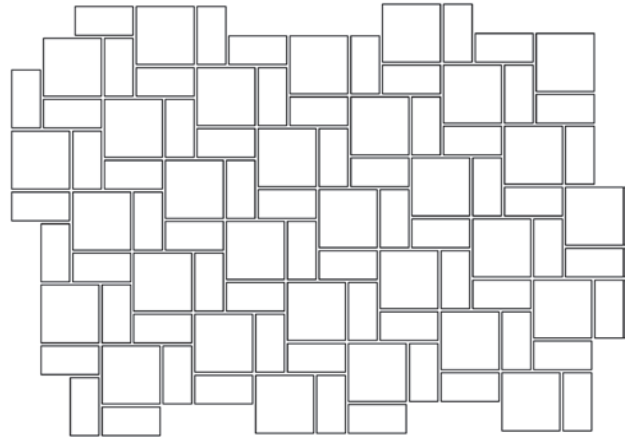


You will have some pieces left over. It is a random pattern, so you should be able to add them in, or used them for cuts.

## VIENNA CLASSIC

## VIENNA CLASSIC

Large cube contains: 6 x 12 and 12 x 12

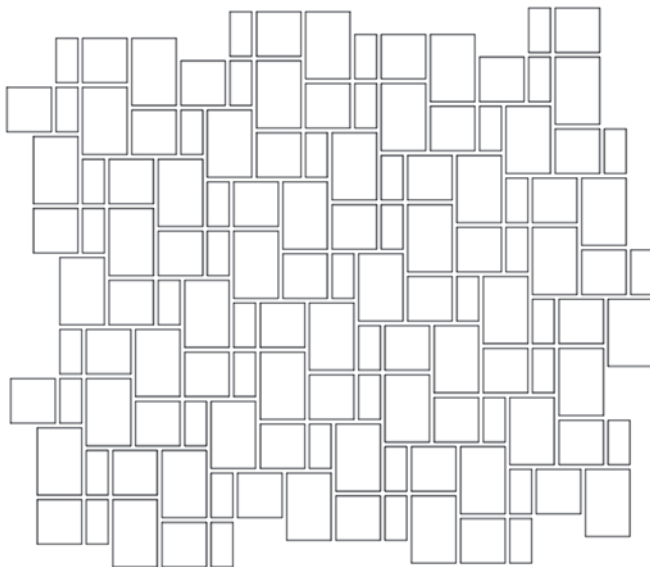


## 2-SIZE HERRINGBONE USING LARGE CUBE

The Five Size Random Pattern is determined by the length of the horizontal and vertical seams. The shorter the straight lines, the more random the pattern. The most random of patterns won't have seams exceeding the length of all five pieces, either horizontally or vertically. A random pattern is the best option when using just the Vienna Classic Small Cube since the piece count won't work for a 1-to-1-to-1 pattern.

## VIENNA CLASSIC

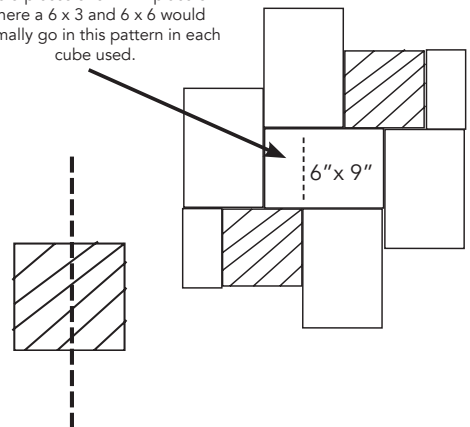
Small cube contains: 6 x 3, 6 x 6 and 6 x 9



In order to make this pattern using only the Vienna Classic Small Cube, you will have to modify (for each cube used) three of the 6"x6" pieces by cutting them in half (making two 6"x3") and using 3 of the 6"x9" pieces in place of the 6"x 3", 6"x 6" combo rows. By doing this, you will make the cube capable of a 1-to-1-to-1-random herringbone design.

Use 3 pieces of 6 x 9 in place of where a 6 x 3 and 6 x 6 would normally go in this pattern in each cube used.

Cut 3 pieces in half to make two 6 x 3's for each cube used.



## 3-SIZE RANDOM HERRINGBONE PATTERN USING SMALL CUBE



# STRUCTURAL RETAINING WALLS

All wall sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## KEYSTONE COMPAC® III - STRAIGHT

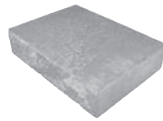
Branchville/Montgomery		RockFace and Medley face styles are available by special order.					
PRODUCT	NOMINAL DIMENSIONS	WEIGHT/ UNIT (LBS)	SQ. FACE FT./ CUBE	UNITS/ CUBE	WEIGHT/ CUBE (LBS)	UNITS/ FACE FT.	PART #
Compac III Straight	8"H x 18"W x 12"D	81	32	32	2,641	1	11017078
Square Foot Corner	8"H x 18"W x 9"D	100	NA	20	2,000	1	VSFCR
C-Cap (Branchville)	3½"H x 16"W x 12"D	57	19.2	48	2,740	64 L.F.	VCC
C-Cap (Montgomery)			18	45	2,569		



Straight Split



Square Foot Corner



C-Cap



Pins - #995-000224  
(Box of 100)

2 Connection pins required per unit. Pins allow for near-vertical or battered setback construction options.

	Standard Colors	
	03 Antique Grey	PBL Pecan Blend
Branchville/Montgomery	✓	✓

Note: There is a 6' minimum radius on Compac III.

## KEYSTONE STANDARD® III - STRAIGHT

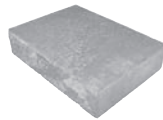
Branchville/Montgomery		RockFace and Medley face styles are available by special order.					
PRODUCT	NOMINAL DIMENSIONS	WEIGHT/ UNIT (LBS)	SQ. FACE FT./ CUBE	UNITS/ CUBE	WEIGHT/ CUBE (LBS)	UNITS/ FACE FT.	PART #
Standard III Straight	8"H x 18"W x 21"D	105	16	16	1,714	1	11017378
Square Foot Corner	8"H x 18"W x 9"D	100	NA	20	2,000	1	VSFCR
C-Cap (Branchville)	3½"H x 16"W x 12"D	57	19.2	48	2,740	64 L.F.	VCC
C-Cap (Montgomery)			18	45	2,569		



Straight Split



Square Foot Corner



C-Cap



Pins - #995-000224  
(Box of 100)

2 Connection pins required per unit. Pins allow for near-vertical or battered setback construction options.

	Standard Colors	
	03 Antique Grey	PBL Pecan Blend
Branchville/Montgomery	✓	✓

# STRUCTURAL RETAINING WALLS

All wall sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## REGAL STONE™ PRO - STRAIGHT

Branchville/Montgomery		Available in standard finish.					
PRODUCT	NOMINAL DIMENSIONS	WEIGHT/ UNIT (LBS)	SQ. FACE FT./ CUBE	UNITS/ CUBE	WEIGHT/ CUBE (LBS)	UNITS/ FACE FT.	PART #
Straight	8"H x 18"W x 12"D	74	32	32	2,360	1	82778 + Color
Square Foot Corner	8"H x 18"W x 9"D	100	NA	20	2,000	1	VSFCR
C-Cap (Branchville)	3 7/8"H x 16"W x 12"D	57	19.2	48	2,740	64 L.F./Cube	VCC
C-Cap (Montgomery)			18	45	2,569	60 L.F./Cube	

Pedricktown		Available in standard finish.					
PRODUCT	NOMINAL DIMENSIONS	WEIGHT/ UNIT (LBS)	SQ. FACE FT./ CUBE	UNITS/ CUBE	WEIGHT/ CUBE (LBS)	UNITS/ FACE FT.	PART #
Straight	8"H x 18"W x 12"D	74	36	36	2,714	1	827
Square Foot Corner	8"H x 18"W x 9"D	98	NA	20	2,000	1	WVL08SFCRS
C-Cap	3 7/8"H x 16"W x 12"D	57	19.2	48	2,740	64 L.F./Cube	WVL03CCAPS



	Standard Colors		
	03 Antique Grey	46 Bedford Brown	47 Hickory Blend
Branchville/Montgomery	✓	✓	✓
Pedricktown	✓		✓

No pins required. Rear-lip system.



# STRUCTURAL RETAINING WALLS

All wall sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## VERSA-LOK® - SQUARE FOOT™

Branchville/Montgomery		Available in standard and weathered finishes.						
PRODUCT	NOMINAL DIMENSIONS	WEIGHT/ UNIT (LBS)	SQ. FACE FT./ CUBE	UNITS/ CUBE	WEIGHT/ CUBE (LBS)	UNITS/FACE FT.	PART # Standard	PART # Weathered
Square Foot	8"H x 18"W x 12"D	84	32	32	2,689	1	VSF	VSF-T
Square Foot Corner	8"H x 18"W x 9"D	100	NA	20	2,000	1	VSFCR	VSFCR-T
C-Cap (Branchville)	3 5/8"H x 16"W x 12"D	57	19.2	48	2,740	64 L.F./Cube	VCC	VCC-T
C-Cap (Montgomery)			18	45	2,569	60 L.F./Cube		

Pedricktown		Available in standard finish.					
PRODUCT	NOMINAL DIMENSIONS	WEIGHT/ UNIT (LBS)	SQ. FACE FT./ CUBE	UNITS/ CUBE	WEIGHT/ CUBE (LBS)	UNITS/ FACE FT.	PART #
Square Foot	8"H x 18"W x 12"D	80	36	36	3,212	1	WVL08SFWLS
Square Foot Corner	8"H x 18"W x 9"D	98	NA	20	2,000	1	WVL08SFCRS
C-Cap	3 5/8"H x 16"W x 12"D	57	19.2	48	2,740	64 L.F./Cube	WVL03CCAPS

### Standard Colors

	03 Antique Grey	46 Bedford Brown	09 Brown Flash*	36 Butternut	47 Hickory Blend	05 Red Flash
Branchville/Montgomery	✓	✓	✓	✓	✓	✓
Pedricktown	✓			✓	✓	✓

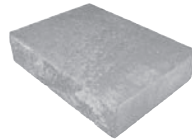
\* Special order only.



Square Foot



Square Foot Corner



C-Cap



Pin

VERSA-LOK PINS	LENGTH	HEIGHT	WEIGHT	UNITS PER CUBE	PART #
Bag of 100	6.8"	1/2"	4 lbs.	100/Bag	PIN1B
Case of 500			20	Case/500	PIN1C
Full Pallet			950 inc. pallet	Full Pallet = 48 cases	PIN1

Square Foot units use the same caps and VL Pins as the Standard Units. \*\*Sq. Foot Corner calculations are using 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. In addition, each unit covers one square foot of wall face, making Square Foot retaining walls an economical choice for large commercial and agency projects.

# STRUCTURAL RETAINING WALLS

All wall sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## VERSA-LOK® - STANDARD

Branchville/Montgomery		Available in standard and weathered finishes.						
PRODUCT	NOMINAL DIMENSIONS	WEIGHT/ UNITS (LBS)	SQ. FACE FT./ CUBE	UNITS/ CUBE	WEIGHT/ CUBE (LBS)	UNITS/ FACE FT.	PART # Standard	PART # Weathered
Standard (Branchville)	6"H x 16"W x 12"D	82	32	48	3,950	1.5	VST	VST-T
Standard (Montgomery)		82	30	45	3,703			
Half Corner	6"H x 8"W x 12"D	42	8	24	1,010	3	VCR	VCR-T
Full Corner	6"H x 16"W x 8"D	60	8.8	20	1,080	1	VFCR	VFCR-T
C-Cap (Branchville)	3½"H x 16"W x 12"D	57	19.2	48	2,740	64 L.F./Cube	VCC	VCC-T
C-Cap (Montgomery)			18	45	2,569	60 L.F./Cube		

Pedricktown		Available in standard and weathered finishes.						
PRODUCT	NOMINAL DIMENSIONS	WEIGHT/ UNITS (LBS)	SQ. FACE FT./ CUBE	UNITS/ CUBE	WEIGHT/ CUBE (LBS)	UNITS/ FACE FT.	PART # Standard	PART # Weathered
Standard	6"H x 16"W x 12"D	80	32	48	3,930	1.5	WVL06STNDS	WVL06STNDA
Full Corner	6"H x 16"W x 8"D	57	8.8	18	1,049	1	WVL06FULLS	WVL06FULLA
C-Cap (Branchville)	3½"H x 16"W x 12"D	57	19.2	48	2,713	64 L.F./Cube	WVL03CCAPS	WVL03CCAPA

	Standard Colors						ULTRABELLE Collection	
	03 Antique Grey	46 Bedford Brown	09 Brown Flash*	36 Butternut	47 Hickory Blend	05 Red Flash*	72 Brandywine**	76 Ocean City Sand**
Branchville/Montgomery	✓	✓	✓	✓	✓	✓		
Pedricktown	✓		✓	✓	✓	✓	✓	✓

\* Special order only. \*\* Premium color; call for pricing.



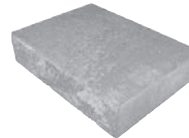
Standard



Half Corner



Full Corner



C-Cap



Pin

VERSA-LOK PINS	LENGTH	HEIGHT	WEIGHT	UNITS PER CUBE	PART #
Bag of 100	6.8"	1/2"	4 lbs.	100/Bag	PIN1B
Case of 500			20	Case/500	PIN1C
Full Pallet			950 inc. pallet	Full Pallet = 48 cases	PIN1

When making a curve with VERSA-LOK Standard Units, the minimum outside radius is 8 feet at the top of the wall. The ¾" setback of each unit creates a cant of approximately 7°(degrees). Canted walls are structurally more stable than vertical walls because the gravitational forces "pull" walls into retained soil.

# STRUCTURAL RETAINING WALLS

All wall sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

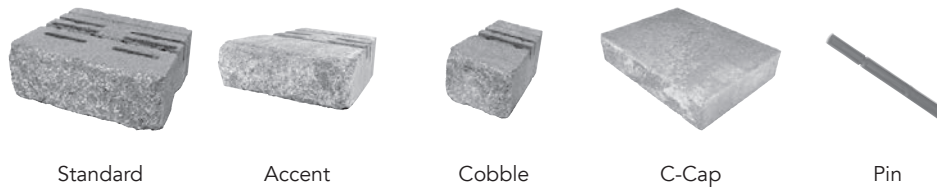
## VERSA-LOK® - MOSAIC®

Branchville/Montgomery		Available in standard and weathered finishes.						
PRODUCT	NOMINAL DIMENSIONS	WEIGHT/ UNIT (LBS)	SQ. FACE FT./ CUBE	UNITS/ CUBE	WEIGHT/ CUBE (LBS)	UNITS/ FACE FT.	PART # Standard	PART # Weathered
Standard (Branchville)	6"H x 16"W x 12"D	82	32	48	3,950	1.5	VST	VST-T
Standard (Montgomery)		82	30	45	3,703			
Accent	4"H x 12"W x 12"D	37	32	96	3,550	3	VAC	VAC-T
Cobble	6"H x 8"W x 12"D	38	30	90	3,420	3	VCO	VCO-T
C-Cap (Branchville)	3 5/8"H x 16"W x 12"D	57	19.2	48	2,740	64 L.F./Cube	VCC	VCC-T
C-Cap (Montgomery)			18	45	2,569	60 L.F./Cube		

Pedricktown		Available in standard and weathered finishes.						
PRODUCT	NOMINAL DIMENSIONS	WEIGHT/ UNITS (LBS)	SQ. FACE FT./ CUBE	UNITS/ CUBE	WEIGHT/ CUBE (LBS)	UNITS/ FACE FT.	PART # Standard	PART # Weathered
Standard	6"H x 16"W x 12"D	80	32	48	3,930	1.5	WWL06STNDS	WWL06STNDA
Accent	4"H x 12"W x 12"D	36.5	32	96	3,469	3	WWL04ACCTS	WWL04ACCTA
Cobble	6"H x 8"W x 12"D	38.5	32	96	3,582	3	WWL06COBBS	WWL06COBBA
C-Cap	3 5/8"H x 16"W x 12"D	57	19.2	48	2,713	64 L.F./Cube	WWL03CCAPS	WWL03CCAPA

	Standard Colors						ULTRABELLE Collection
	03 Antique Grey	46 Bedford Brown	09 Brown Flash*	36 Butternut	47 Hickory Blend	05 Red Flash*	72 Brandywine**
Branchville/Montgomery	✓	✓	✓	✓	✓	✓	
Pedricktown	✓			✓	✓	✓	✓

\* Special order only. \*\* Premium color; call for pricing.



Standard

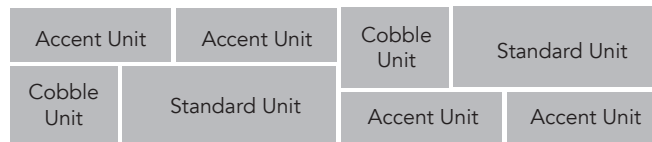
Accent

Cobble

C-Cap

Pin

### MOSAIC SYSTEM DESIGN PATTERN



VERSA-LOK PINS	LENGTH	HEIGHT	WEIGHT	UNITS PER CUBE	PART #
Bag of 100	6.8"	1/2"	4 lbs.	100/Bag	SPIN1B
Case of 500			20	Case/500	SPIN1C
Full Pallet			950 inc. pallet	Full Pallet = 48 cases	SPIN1

No. of Std Units=Wall Sq. Footage ÷ 1.66 | No. of Accent Units= Wall Sq. Footage ÷ 1.66 x2 | No. of Cobble Units=Wall Sq. Footage ÷ 1.66


# LANDSCAPE WALLS

All wall sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.


## STONEGATE® COUNTRY MANOR®

Branchville/Montgomery		Available in weathered finish.						
	PRODUCT	NOMINAL DIMENSIONS	WEIGHT/ UNIT (LBS)	SQ. FACE FT./ CUBE	UNITS/ CUBE	WEIGHT/ CUBE (LBS)	UNITS/ FACE FT.	PART # Weathered
BUNDLED	Small	6"H x 6"/4"W x 10"D	22	25.8	20	2,870	1.6	11017678T
	Medium	6"H x 12"/10"W x 10"D	49		20		2.2	
	Large	6"H x 16"/14"W x 10"D	63		20		4.8	
	Cap	3"H x 12"/10"W x 11"D	30	NA	60	1,836	0.92 L.F.	11017778T

**Bundled**



Small
Medium
Large
Cap



Pins #995-000160  
(Box of 100)

2 Connection pins  
required per unit.

**Standard Colors**

	03 Antique Grey	PBL Pecan Blend
Branchville/Montgomery	✓	✓

Note: The minimum radius that can be built using the random pattern of units is 4.5' (1.4m). To build a smaller radii, a larger proportion of small units is needed and some cutting may be required.



# LANDSCAPE WALLS

All wall sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

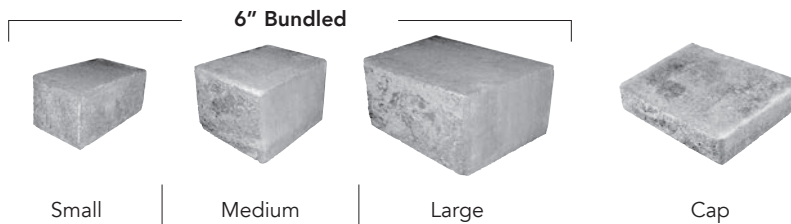
## VERSA-LOK® - VERANDA™

Branchville/Montgomery		Available in standard and weathered finishes.					
	PRODUCT	NOMINAL DIMENSIONS	SQ. FACE FT./ CUBE	UNITS/ CUBE	WEIGHT/ CUBE (LBS)	PART # Standard	PART # Weathered
BUNDLED	6" Small	6"H x 5"W x 9 <sup>3</sup> / <sub>8</sub> "D	40	40	4,310	VWK	VWK-T
	6" Medium	6"H x 8"W x 9 <sup>3</sup> / <sub>8</sub> "D		40			
	6" Large	6"H x 13"W x 9 <sup>3</sup> / <sub>8</sub> "D		40			
	6" Large Only	6"H x 13"W x 9 <sup>3</sup> / <sub>8</sub> "D	30	60	3,350	VWL	VWL-T
	Cap	3"H x 14"W x 12"D	44.16 L.F.	48	1,680	VWC	VWC-T

Pedricktown		Available in standard and weathered finishes.					
	PRODUCT	NOMINAL DIMENSIONS	SQ. FACE FT./ CUBE	UNITS/ CUBE	WEIGHT/ CUBE (LBS)	PART # Standard	PART # Weathered
BUNDLED	6" Small	6"H x 5"W x 9 <sup>3</sup> / <sub>8</sub> "D	40	40	4,505	WVR06CBKTS	WVR06CBKTA
	6" Medium	6"H x 8"W x 9 <sup>3</sup> / <sub>8</sub> "D		40			
	6" Large	6"H x 13"W x 9 <sup>3</sup> / <sub>8</sub> "D		40			
	Cap	3"H x 14"W x 12"D	44.16 L.F.	48	1,803	WVR03WCAPS	WVR03WCAPA
BUNDLED	3" Small	3"H x 5"W x 9 <sup>3</sup> / <sub>8</sub> "D	40	80	4,441	WVR03CBKTS	WVR03CBKTA
	3" Medium	3"H x 8"W x 9 <sup>3</sup> / <sub>8</sub> "D		80			
	3" Large	3"H x 13"W x 9 <sup>3</sup> / <sub>8</sub> "D		80			

	Standard Colors						ULTRABELLE Collection	
	03 Antique Grey	46 Bedford Brown	09 Brown Flash*	36 Butternut	47 Hickory Blend	05 Red Flash*	72 Brandywine**	76 Ocean City Sand**
Branchville/Montgomery	✓	✓	✓	✓	✓	✓		
Pedricktown	✓		✓	✓	✓	✓	✓	✓

\* Special order only. \*\* Premium color; call for pricing.



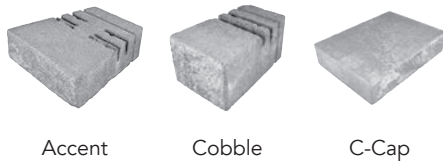
# LANDSCAPE WALLS

All wall sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## VERSA-LOK® - ACCENT® & COBBLE®

Branchville/Montgomery		Available in standard and weathered finishes.						
PRODUCT	NOMINAL DIMENSIONS	WEIGHT/ UNIT (LBS)	SQ. FACE FT./ CUBE	UNITS/ CUBE	WEIGHT/ CUBE (LBS)	UNITS/ FACE FT.	PART # Standard	PART # Weathered
Accent	4"H x 12"W x 12"D	37	32	96	3,550	3	VAC	VAC-T
Cobble	6"H x 8"W x 12"D	38	32	90	3,420	3	VCO	VCO-T
C-Cap (Branchville)	3½"H x 16"W x 12"D	57	19.2	48	2,740	64 L.F./Cube	VCC	VCC-T
C-Cap (Montgomery)			18	45	2,569	60 L.F./Cube		

Pedricktown		Available in standard and weathered finishes.						
PRODUCT	NOMINAL DIMENSIONS	WEIGHT/ UNITS (LBS)	SQ. FACE FT./ CUBE	UNITS/ CUBE	WEIGHT/ CUBE (LBS)	UNITS/ FACE FT.	PART # Standard	PART # Weathered
Accent	4"H x 12"W x 12"D	36.5	32	96	3,469	3	WVL04ACCTS	WVL04ACCTA
Cobble	6"H x 8"W x 12"D	38.5	32	96	3,582	3	WVL06COBBS	WVL06COBBA
C-Cap	3½"H x 16"W x 12"D	57	19.2	48	2,713	64 L.F./Cube	WVL03CCAPS	WVL03CCAPA



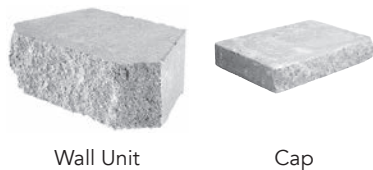
	Standard Colors						ULTRABELLE Collection
	03 Antique Grey	46 Bedford Brown	09 Brown Flash*	36 Butternut	47 Hickory Blend	05 Red Flash*	72 Brandywine**
Branchville/Montgomery	✓	✓	✓	✓	✓	✓	
Pedricktown	✓			✓	✓	✓	✓

\* Special order only. \*\* Premium color; call for pricing.

## GARDEN WALL

Branchville/Montgomery							
PRODUCT	NOMINAL DIMENSIONS	WEIGHT/ UNIT (LBS)	SQ. FACE FT./ CUBE	UNITS/ CUBE	WEIGHT/ CUBE (LBS)	UNITS/ FACE FT.	PART #
Wall	4"H x 11½"W x 6¾"D	22.4	47	144	3,226	3	81178
Cap	2"H x 12"W x 8"D	14	120 L.F.	120	1,680	1	81478

Pedricktown							
PRODUCT	NOMINAL DIMENSIONS	WEIGHT/ UNIT (LBS)	SQ. FACE FT./ CUBE	UNITS/ CUBE	WEIGHT/ CUBE (LBS)	UNITS/ FACE FT.	PART #
Wall	4"H x 11½"W x 6¾"D	22.4	47	144	3,226	3	811
Cap	2"H x 12"W x 8"D	14	120 L.F.	120	1,680	1	814



	Standard Colors	
	00 Pewter	51 River Red
Branchville/Montgomery		
Pedricktown	✓	✓



# LANDSCAPE WALLS

All wall sizes are nominal and should be pre-measured when doing a job where exact dimensions are critical.

## MUNICH WALL™

Branchville/Montgomery		Available in weathered finish only.					
PRODUCT	NOMINAL DIMENSIONS	WEIGHT/UNIT (LBS)	SQ. FACE FT./CUBE	UNITS/CUBE	WEIGHT/CUBE (LBS)	UNITS/FACE FT.	PART #
Munich	4"H x 8"W x 12"D	30	40	120	3,600	3	MW_T
Munich Small Radius	4"H x 8"W x 8"D	16	48	216	3,450	4.5	MWS_T

Pedricktown		Available in weathered finish only.					
PRODUCT	NOMINAL DIMENSIONS	WEIGHT/UNIT (LBS)	SQ. FACE FT./CUBE	UNITS/CUBE	WEIGHT/CUBE (LBS)	UNITS/FACE FT.	PART #
Munich	4"H x 8"W x 12"D	30	40	120	3,633	3	WMW04STND
Munich Small Radius	4"H x 8"W x 8"D	16	48	216	3,542	4.5	WMW04MDRV

	Standard Colors						ULTRABELLE Collection		
	03 Antique Grey	46 Bedford Brown	09 Brown Flash*	36 Butternut	47 Hickory Blend	05 Red Flash*	72 Brandywine**	07 Deep Creek Grey	76 Ocean City Sand**
Branchville/Montgomery	✓	✓	✓	✓	✓	✓			
Pedricktown	✓			✓	✓	✓	✓	✓	✓

\* Special order only. \*\* Premium color; call for pricing.



Munich



Munich Small Radius

## MUNICH WALL™ - FIRE PIT KITS

Fire Pit Kit makes a 46" outside dimension and a 30" inside dimension. The kit comes with 72 pieces of Munich Wall Small Radius and each row requires 18 pieces.

<b>FIRE PIT KITS INCLUDES:</b> Fire Pit Ring - Part # FPR Stainless Steel Spark Screen - Part # FPS Lifter/poker - Part # FPP	<b>SOLD SEPARATELY:</b> Removable grill - Part # FPG Vinyl Grill Cover - Part # FPC
----------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------



BRANCHVILLE/MONTGOMERY					
PRODUCT	HEIGHT	INSIDE DIAMETER	OUTSIDE DIAMETER	WEIGHT (LBS)	PART #
Munich Fire Pit Kit	16"	30"	46"	1,288	FP-SS
PRODUCT	AMOUNT NEEDED	WEIGHT/PIECE	UNITS/CUBE	EST. WEIGHT/CUBE	PART #
Fire Pit Cap	4	68	16	1,100	QFPC-

PEDRICKTOWN					
Pedricktown fire pit kit includes: a black spark screen, fire pit ring, removable grill and 4 bags of coarse sand.					
PRODUCT	HEIGHT	INSIDE DIAMETER	OUTSIDE DIAMETER	WEIGHT (LBS)	PART #
Munich Fire Pit Kit	16"	30"	46"	1,288	FP-SS
PRODUCT	AMOUNT NEEDED	WEIGHT/PIECE	UNITS/CUBE	EST. WEIGHT/CUBE	PART #
Fire Pit Radius Cap	4	35	16	140	WMW06FPKTA

Note: Add 03 after part number for grey; add 07 for cocoa brown.

# FREQUENTLY ASKED WALL QUESTIONS

## Why is it so difficult to get my VERSA-LOK Pins to go into the block?

If you find the pinning to be extremely difficult, the odds are that you have installed the block upside down. The slots and pin holes have to be facing up.

## What is efflorescence?

Efflorescence is a whitish powder-like deposit which sometimes appears on concrete and clay products. The deposit is the residue of a soluble salt (inherent in concrete products) carried to the face of the product by moisture and left on the surface as a dried white powder. Efflorescence is completely natural and will disappear with time.

## Do VERSA-LOK walls require concrete footings below the frost line?

No. VERSA-LOK walls are installed on shallow, non-rigid leveling pads consisting of well compacted gravel, crushed stone or coarse sand. The flexible nature of the walls allows them to accommodate minor earth movement without damage.

## How tall can VERSA-LOK walls be built?

Generally, VERSA-LOK walls can be built to any height. The maximum unreinforced wall height varies depending on site conditions, but does not exceed four feet. Taller walls require soil reinforcement designed by a qualified engineer.

## What maintenance is necessary with VERSA-LOK walls?

None. Once constructed, VERSA-LOK walls provide a lifetime of virtually maintenance-free performance. Color is consistent throughout the units, so natural wear-and-tear is not apparent.

## How do I determine grid lengths needed for my VERSA-LOK wall?

You can use the charts within this book or on our website: [www.cstpavers.com](http://www.cstpavers.com). You could contact your local authorized CST Pavers distributor to have them help you or you could call CST Pavers directly 1.888.275.4278, and we can do a preliminary drawing for your wall application to show you the grid lengths. Depending on local codes you may need stamped plans/drawings.

## Do I need to add drainage to my VERSA-LOK wall?

Yes! The number one cause for wall failure is hydrostatic pressure caused by water build up. You will always need to use ¾" clean stone and drainage pipes to insure proper drainage of your retaining wall.

## Wall Accessories



**Quikrete Adhesive**  
#990210



**SRW Grid**  
5 Series - #GSRW5615  
7 Series - #GSRW7615



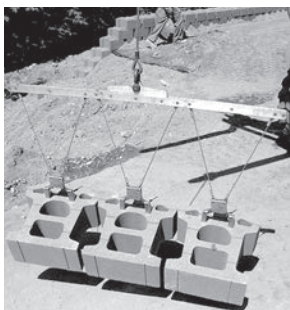
**Versa-Lifter®**  
#VLIFT01



**Square Foot Versa-Lifter®**  
#SFLIFT1C



**Key Lifter**  
#995-000206



**Simple Set**  
# 995-000205



**Versa-Pins**  
Bag: #PINB1B



**Versa-Snap-Off Pins**  
Bag: #SPINB1B



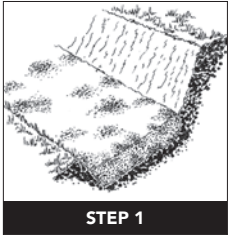
**Keystone Straight Pins**  
Box of 100: #995-000224



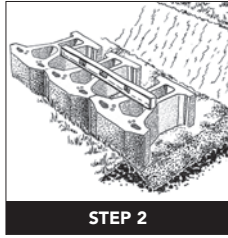
**Keystone Shouldered Pins**  
Box of 100: #995-000160

# OVERVIEW FOR WALL INSTALLATIONS

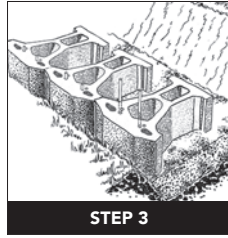
## KEYSTONE STANDARD® III



STEP 1



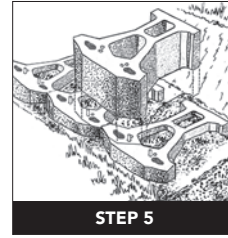
STEP 2



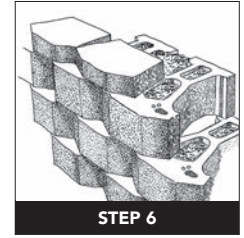
STEP 3



STEP 4



STEP 5



STEP 6

### STEP 1: Prepare the Base Leveling Pad.

Excavate the base trench to the designed width and depth. Start the leveling pad at the lowest elevation along the wall alignment. Step up in 8" (200mm) increments with the base as required at elevation change in the foundation. Level the prepared base with maximum 6" (150mm) lifts of well-compacted granular fill (gravel, road base, or 1/2" to 3/4" [10 - 20mm] crushed stone). Compact to 95% Standard Proctor or greater. Do not use PEA GRAVEL or SAND for leveling pad.

### STEP 2: Install the Base Course.

Place the first course of Keystone units end to end (with face of wall corners touching) on the prepared base. The receiving pin holes should face upward, as shown. Make sure each unit is level. Leveling the first course is critical for accurate and acceptable results. Keystone recommends minimum embedment depth

for below grade placement of Keystone units on a ratio of 1" (25mm) below grade for each 8" (200mm) of wall height above grade or one unit, whichever is greater.

### STEP 3: Insert the Fiberglass Pins.

Place the straight fiberglass pins into the holes of each Keystone unit as required. Once placed, the pins create an automatic setback for the additional courses. Place fiberglass connecting pins in the front holes for near vertical (1/8" or [3mm]) setback and in the rear pin holes for 1 1/8" (29mm) setback per course.

### STEP 4: Install Fill & Compaction.

Provide 1/2" - 3/4" (10 - 20mm) clean crushed stone drainage fill behind the units to a minimum distance behind the tail of 6" (150mm). Fill all open spaces between units and open cavities/cores with the same drainage material. Proceed to place backfill in

maximum 6 - 8" (150 - 200mm) layers and compact to 95% Standard Proctor with the appropriate compaction equipment.

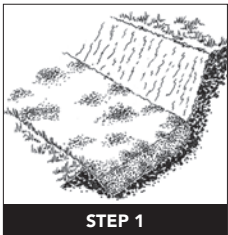
### STEP 5: Install Additional Courses.

Place the next course of Keystone units over the fiberglass pins, fitting the pins into the triangular shaped receiving hole in the units above. Push the units toward the face of the wall until they make full contact with the pins. Continue backfilling and building to desired top elevation.

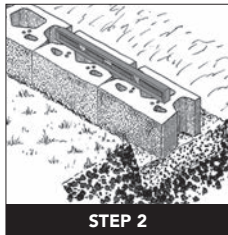
### STEP 6: Capping the Wall.

Complete your wall with the appropriate Keystone capping units. With units dry and clean, use exterior construction grade adhesive on the top surface of the last course before applying cap units. Backfill and compact to finish grade.

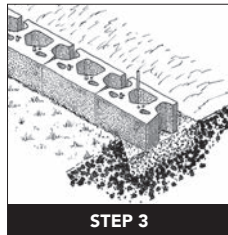
## KEYSTONE COMPAC® III



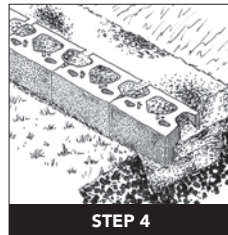
STEP 1



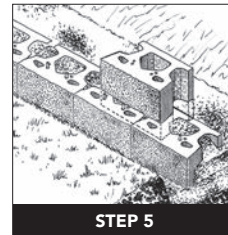
STEP 2



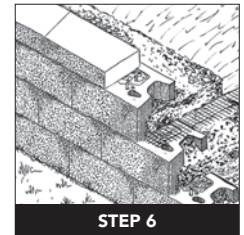
STEP 3



STEP 4



STEP 5



STEP 6

### STEP 1: Prepare the Base Leveling Pad.

Excavate the base trench to the designed width and depth. Start the leveling pad at the lowest elevation along the wall alignment. Step up in 8" (200mm) increments with the base as required at elevation change in the foundation. Level the prepared base with maximum lifts of 6" (150mm) of well-compacted granular fill (gravel, road base, or 1/2" to 3/4" [10 - 20mm] crushed stone). Compact to 95% Standard Proctor or greater. Do not use PEA GRAVEL or SAND for leveling pad.

### STEP 2: Install the Base Course.

Place the first course of Keystone units end to end (with face of wall corners touching) on the prepared base. The receiving pin holes should face upward, as shown. Make sure each unit is level. Leveling the first course is critical for accurate and acceptable results. Keystone recommends minimum embedment depth

for below grade placement of Keystone units on a ratio of 1" (25mm) below grade for each 8" (200mm) of wall height above grade or one unit, whichever is greater.

### STEP 3: Insert the Fiberglass Pins.

Place the straight fiberglass pins into the holes of each Keystone unit as required. Once placed, the pins create an automatic setback for the additional courses. Place pins in the front holes for near vertical (1/8" or [3mm]) setback and the rear holes for 1 1/8" (29mm) setback per course.

### STEP 4: Install Fill & Compaction.

Provide 1/2" - 3/4" (10 - 20mm) clean crushed stone drainage fill behind the units to a minimum distance behind the tail of one foot (300mm). Fill all open spaces between units and open cavities/cores with the same drainage material. Proceed to place backfill

in maximum 6-8" (150 - 200mm) layers and compact to 95% Standard Proctor with the appropriate compaction equipment.

### STEP 5: Install Additional Courses.

Place the next course of Keystone units over the fiberglass pins, fitting the pins into the triangular shaped receiving hole in the units above. Push the units toward the face of the wall until they make full contact with the pins. Continue backfilling and building to desired top elevation.

### STEP 6: Capping the Wall.

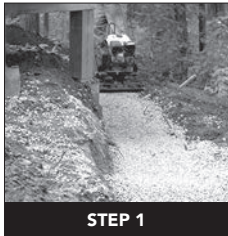
Complete your wall with the appropriate Keystone capping units. With units dry and clean, use exterior construction grade adhesive on the top surface of the last course before applying cap units. Backfill and compact to finish grade.

Note: If drain tile is required for your project, consult an engineer or visit [www.keystonehardscapes.com](http://www.keystonehardscapes.com) for more information.

Complete installation and specification details are available by contacting your CST Pavers Sales Representative.

# OVERVIEW FOR WALL INSTALLATIONS

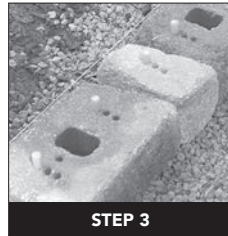
## STONEGATE® COUNTRY MANOR®



STEP 1



STEP 2



STEP 3



STEP 4



STEP 5



STEP 6

### STEP 1:

#### Prepare the Base Leveling Pad.

Remove all surface vegetation and debris. Do not use this material as backfill. After selecting the location and length of the wall, excavate the base trench to the designed width and depth (min. 20" w x 12" d) [500mm x 300mm]. Start the leveling pad at the lowest elevation along wall alignment. Step up in 6" (150mm) increments with the base as required at elevation changes in the foundation. Level the prepared base with 6" (150mm) of well-compacted granular fill (gravel, road base, or ½" to ¾" [10 - 20 mm] crushed stone). Compact to 95% Standard Proctor or greater. Do not use PEA GRAVEL or SAND for leveling pad.

### STEP 2:

#### Install the Base Course.

Place the first course of units end to end (with front corners touching) on the prepared base. The long groove (receiving channel) on the unit should be placed down and the three pin holes should face up, as shown. Make sure each unit is level - side to side and front to back. Leveling the first course is critical for accurate and acceptable results. For alignment of straight walls, use a string line aligned on the unit pin holes for accuracy. Minimum embedment of base course is 6" (152mm) below grade.

### STEP 3:

#### Insert the Fiberglass Pins.

Place the shouldered fiberglass pins into the holes of the Units (note: place one pin only per each grouping of three holes). Place pins in the middle hole for near vertical alignment or the holes nearest the embankment for a 9.5° +/- setback per course. According to wall requirements and design, the front pin hole (towards the face of the wall) can be used randomly to allow a forward projection of a specific unit for accent and variation in the wall appearance.

### STEP 4:

#### Install Fill & Compaction.

Once the pins have been installed, provide ½" - ¾" (10 - 20mm) crushed stone drainage fill behind the units to a minimum depth of 12" (300mm). Fill open spaces between units and open cavities/cores with the same drainage material. Proceed to place backfill in maximum 6" (150mm) layers (lifts) and compact to 95% Standard Proctor with the appropriate compaction equipment. Do not use heavy ride-on compaction equipment within 3' (1m) from back of wall. Do not use jumping or ramming type compaction.

### STEP 5:

#### Install Additional Courses.

Place the next course of units over the fiberglass pins, fitting the pins into the long receiving channel recess of the units above (Note: Some removal of debris in the pin holes and channel may be necessary prior to placement). Push the units toward the face of the wall until they make full contact with the pins. If pins do not connect with channel but align in open core of upper unit, place drainage fill in core to provide unit interlock with pin. For near vertical alignment, center the unit above over the center placed pins below.

### STEP 6:

#### Capping the Wall.

Continue all steps until ready to place the wall cap. Clean off the last course in preparation for the cap or coping to finalize the wall. With units dry and clean, use construction adhesive to secure the caps to the units. Install the Stonegate Country Manor 3" (75mm) capping unit, architectural precast concrete or cut stone as a coping element. Cap may be flush or overhanging as required by aesthetics and design.

Note: If drain tile is required for your project, consult an engineer or visit [www.keystonehardscapes.com](http://www.keystonehardscapes.com) for more information.

Complete installation and specification details are available by contacting your CST Pavers Sales Representative.

# OVERVIEW FOR WALL INSTALLATIONS

## REGAL STONE™ PRO

### STEP 1

**Layout** - Stake out the wall's placement according to lines and grades on approved plans. Excavate for the leveling pad to the lines and grades shown. Excavate soil to a dimension behind the wall for placement of grid and reinforced soils. The trench for the leveling pad should be a minimum six (6) inches in front and back of the placed wall unit.

### STEP 2

**Leveling Pad** - The leveling pad consists of a crushed aggregate compactible base material. The pad must extend a minimum six (6) inches in front and behind the first course of unit, and be a minimum six (6) inches in depth. Compact the aggregate and check top elevation for level.

### STEP 3

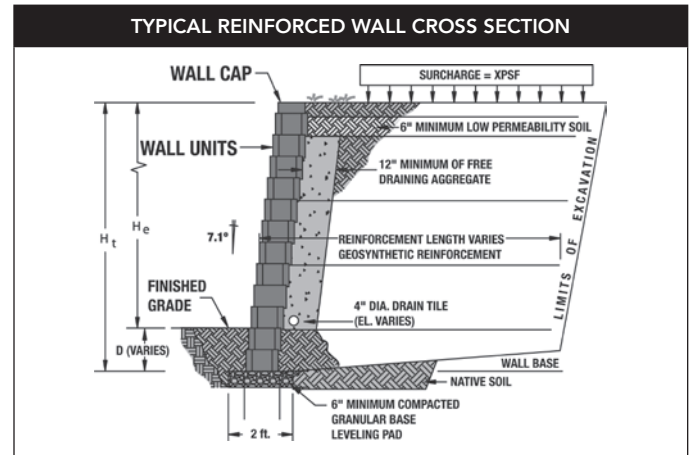
**Base Course** - Place a string line along the back of the unit to align the wall units. Begin laying unit at the lowest elevation of the wall. Place wall units flat on the leveling pad with facings aligned according to plans. If necessary, remove rear lip of the unit so that it will lie flat on the leveling pad. Place the units side-by-side, flush against each other, and in full contact with the leveling pad. Level the unit front-to-back and side-to-side. Check the units for proper horizontal alignment.

### STEP 4

**Wall Construction** - Clean any debris off the top of the units. Place the second course of units on the base course maintaining running bond pattern (do not align vertical joints). Push each unit forward as far as possible to ensure unit-to-unit engagement and the correct setback. Fill all voids between and within concrete wall units with drainage aggregate. Backfill with drainage aggregate directly behind the unit to a depth of 24" from the face of the wall. Fill behind the aggregate with soil meeting design parameters. Place and compact the backfill material before the next course is laid. Hand-operated equipment should be used within three (3) feet of the wall. Avoid driving heavy equipment within three (3) feet of the wall face.

### STEP 5

**Drainage** - Place a perforated drain pipe at the base of the drainage aggregate. Daylight or direct the drain to an area lower than the lowest drain elevation in the wall. Additional drainage design may be required.



### STEP 6

**Install Fill and Compaction** - Place the drainage aggregate and unit core fill as directed. Place reinforced backfill soil behind the drainage aggregate in maximum 6-8" lifts and compact to a minimum of 95% standard Proctor density with the appropriate compaction equipment.

### STEP 7

**Geogrid Reinforcement Placement** - Check approved wall construction plan for grid placement of lengths and elevations. Measure and cut the reinforcement grid to the design length in the plans. The design strength direction of the geogrid shall be laid perpendicular to the wall. Place the front edge of the geogrid on the designated course a maximum of one (1) inch from the face of the unit. Apply the next course of units to secure it in place. Pull the reinforcement taut and secure in place. A minimum of six (6) inches of backfill over the grid is required prior to vehicular operation.

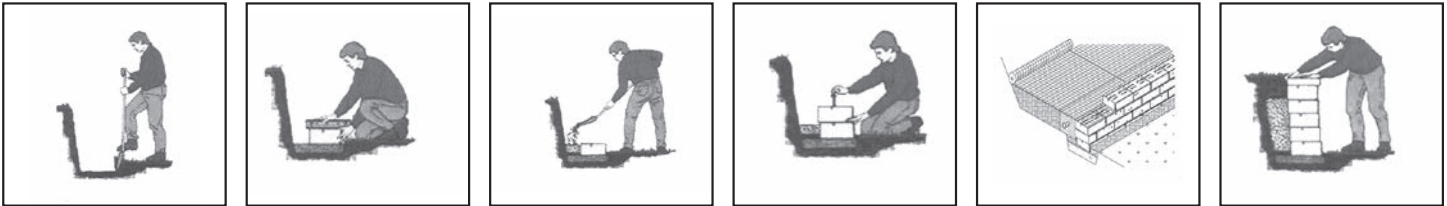
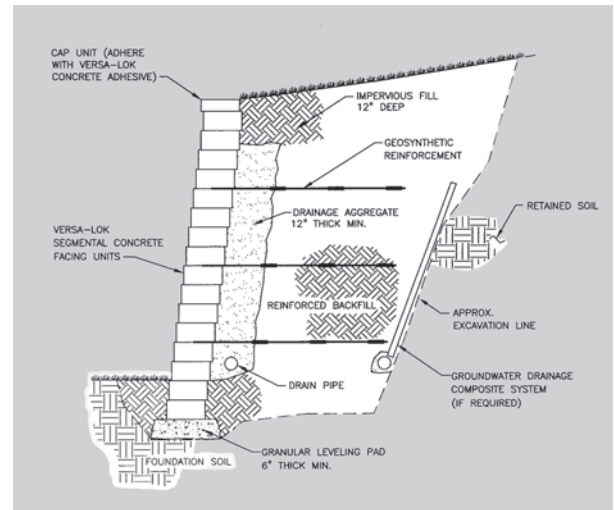
### STEP 8

**Finish Grade and Surface Drainage** - Protect your wall from water damage and erosion with a finished grade to provide positive drainage away from the wall at the top and bottom of the wall structure. To minimize infiltration of water into the top of the backfill area of the wall, place a minimum of eight (8) inches of soil with low permeability (clay or similar materials) over the drainage aggregate and backfill soils.

Complete installation and specification details are available by contacting your CST Pavers Sales Representative.

# OVERVIEW FOR WALL INSTALLATIONS

Maximum height for an unreinforced VERSA-LOK wall is four feet. Individual site, soil and loading condition (including terraces) may limit unreinforced wall height to less than four feet. Taller walls require geosynthetic solid reinforcement and engineering assistance. For information on engineered preliminary designs please contact your local dealer or CST Pavers representative.



## STEP 1 - LEVELING PAD PREPARATION

VERSA-LOK walls should be placed on a leveling pad of compacted gravel, crushed stone or coarse sand about 6" thick and 24" wide. The first course of VERSA-LOK should be embedded below grade approximately  $\frac{1}{10}$  th of the exposed wall height. Excavate to lines and grades you've established for the wall, allowing for leveling pad and unit embedment.

## STEP 2 - INSTALL BASE COURSE:

Place VERSA-LOK units on prepared leveling pad. As you proceed, level each unit-front to back, side to side and with adjacent units. Leveling is critical at this stage, so take your time! Align straight wall sections using a string line or by sighting down the grooves on the top of each unit. If your wall has a corner, begin at the corner and work out from there.

## STEP 3 - BACKFILL

Fill in and compact native soil behind, and in front of, the base course level with the grade in front of the wall. Next, place and compact 13" of drainage aggregate behind the units.

## STEP 4 - INSTALLING SUCCESSIVE COURSES

Stack one course at a time. Set units back  $\frac{3}{4}$ ". Insert two pins in front holes of units so they fall into the rear slots of the units beneath. Tap pins down with a pin and mallet. Place and compact drainage aggregate behind each course as it is completed.

## STEP 5 - GEOSYNTHETIC SOIL REINFORCEMENT

If your wall is higher than four feet or shoulders significant loads, you will need to install geosynthetic soil reinforcement. As each course is laid, place soil reinforcement horizontally on top of compacted backfill and about one inch from the front of the VERSA-LOK units.

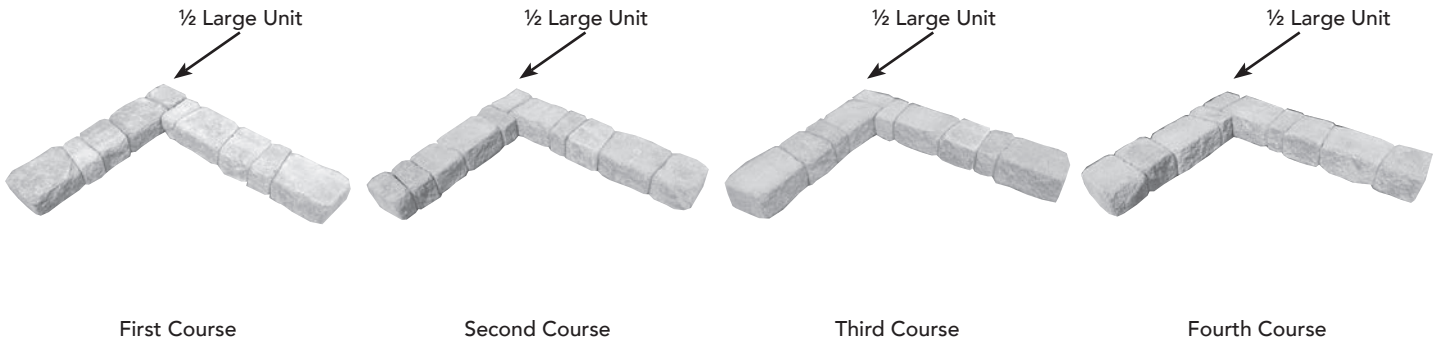
## STEP 6-INSTALLING CAPS

Complete your wall by placing VERSA-LOK cap units on the top course. Install caps with a slight overhang (recommended), set back or flush with the wall face. Use concrete adhesive to secure cap units to wall.

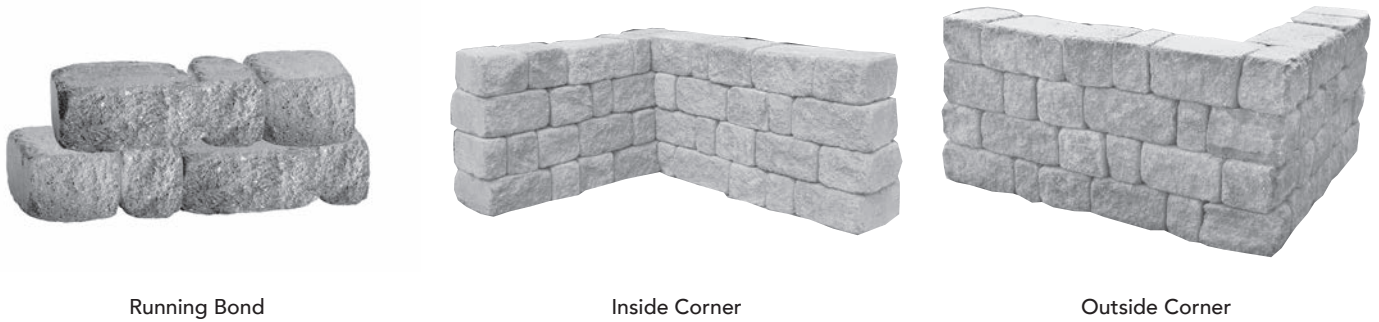
For further information visit VERSA-LOK's website at: [www.versa-lok.com](http://www.versa-lok.com) or call VERSA-LOK 1.800.770.4525.

# VERSA-LOK® VERANDA™ CAPS AND CORNERS

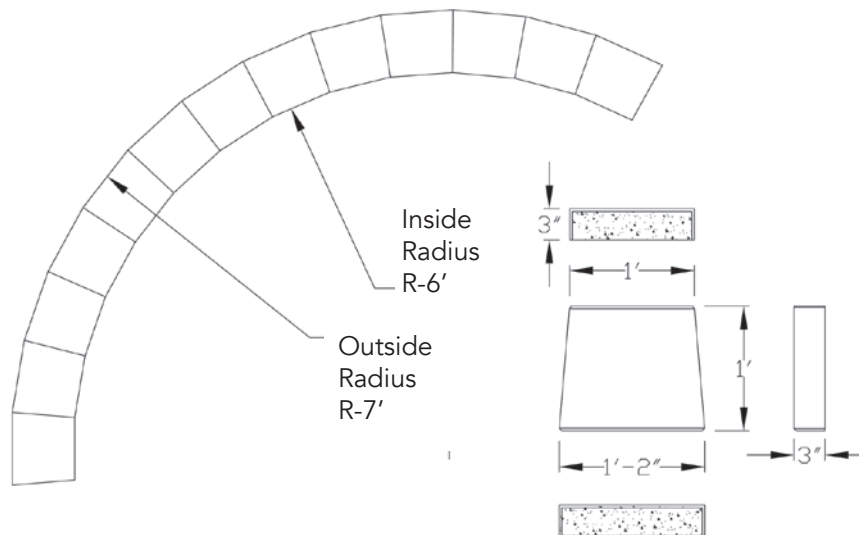
## Building Veranda Corners



With the Veranda Combo Kits, 90-degree corners can be made with just a few splits. We recommend using 1 Large unit split in half for your corner pieces. From the corner, continue on using a running bond. Alternate the first unit coming off the corner on each course to break up the pattern. Veranda Units do not have split lines, so a hydra-splitter will be necessary. A masonry hammer field dressing may also be necessary to achieve the Weathered look.



## Veranda Cap Unit



# VERSA-LOK® STANDARD ESTIMATING WORKSHEET

These are the calculations for VERSA-LOK® Standard Units.

## VERSA-LOK® Units

Formula: Area of wall (sq. ft.) x 1.5 units per sq. ft. = Number of units

\_\_\_\_\_ sq. ft. x 1.5 = \_\_\_\_\_ Units needed

**Note:** Grid estimating information can be found on: [www.versa-lok.com](http://www.versa-lok.com).

## VERSA-LOK® Pins

NOTE: Pins will not be used on the base course.

Formula: Units x 2 pins per unit = Number of pins

\_\_\_\_\_ units x 2 = \_\_\_\_\_ Pins needed

## VERSA-LOK® Caps

Additional caps may be needed for special splits or cuts.

Formula: Linear feet of wall (LF) x 0.75 = Number of C Caps

\_\_\_\_\_ linear feet x 0.75 = \_\_\_\_\_ C caps needed

## Quikrete Construction Adhesive

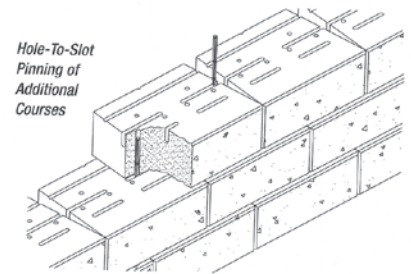
Formula: 10.1 oz. tube: Linear feet of wall (LF) ÷ 12 LF per tube = Number of tubes (Recommended two ¼" beads)

\_\_\_\_\_ linear feet ÷ 12 LF per tube = \_\_\_\_\_ Tubes needed

## Geo Grid and Geosynthetic Materials

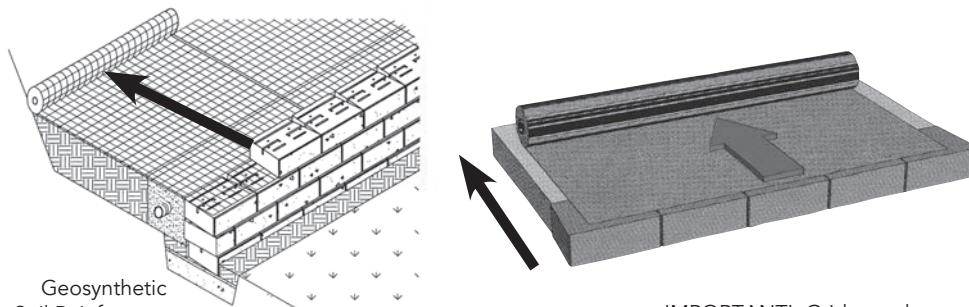
For estimating purposes, use the grid tables. They provide approximate amounts of Grid soil reinforcement needed to construct walls in certain soil and loading conditions. For tall walls or complex situations, VERSA-LOK engineers can prepare specific preliminary designs to be used for estimation purposes.

GRID	LENGTH	WIDTH	TOTAL SQUARE YARDAGE
1.5	50 L/F.	4 Ft.	22.22 S/Y
3.0	150 L/F	6 Ft.	100 S/Y
5.0	150 L/F	6 Ft.	100 S/Y



The maximum unreinforced wall height varies depending on site conditions, but does not exceed four feet. Taller walls require soil reinforcement designed by a qualified engineer.

Properly designed, grid reinforced walls may be economically constructed to heights exceeding 40 feet.



Geosynthetic Soil Reinforcement

**IMPORTANT!** Grid must be unrolled and installed perpendicular to the retaining wall face. Failure to install in this direction may result in structurally unsafe wall conditions. If unsure about any wall construction procedures, please contact CST Pavers or VERSA-LOK at 1 (800) 770-4525.



# VERSA-LOK® MATERIAL ESTIMATING WORKSHEET

For estimating purposes, use the grid tables. They provide approximate amounts of grid soil reinforcement needed to construct walls in certain soil and loading conditions. For tall walls or complex situations, VERSA-LOK staff engineers can prepare project specific preliminary designs to be used for estimation purposes.

**Note: Grid estimating information can be found on: [www.versa-lok.com](http://www.versa-lok.com).**

## VERSA-LOK® Standard (Embedded Units for Burial) N - first course

Formula: Linear feet of wall (LF) x 0.75 units per LF = Number of Standard units for base

$$\underline{\hspace{2cm}} \text{ LF } \times \underline{0.75} = \underline{\hspace{2cm}} \text{ Units needed for 1st course}$$

## VERSA-LOK® Standard

Formula: Area of wall (sq. ft.) ÷ 1.66 units per sq. ft. = Number of Standard units

$$\underline{\hspace{2cm}} \text{ sq. ft. } \div \underline{1.66} = \underline{\hspace{2cm}} \text{ Units needed**}$$

## VERSA-LOK Cobble®

Formula: Area of wall (sq. ft.) ÷ 1.66 units per sq. ft. = Number of Cobble units

$$\underline{\hspace{2cm}} \text{ sq. ft. } \div \underline{1.66} = \underline{\hspace{2cm}} \text{ Units needed**}$$

## VERSA-LOK® Accent®

Formula: Area of wall (sq. ft.) ÷ 1.66 x 2 units per sq. ft. = Number of Accent units

$$\underline{\hspace{2cm}} \text{ sq. ft. } \div \underline{1.66 \times 2} = \underline{\hspace{2cm}} \text{ Units needed**}$$

## VERSA-LOK® Snap-Off Pins

NOTE: Base course of VERSA-LOK Standard Units does not require pins.

Formula: Area of wall (sq. ft.) ÷ 1.66 x 8 = Number of pins

$$\underline{\hspace{2cm}} \text{ sq. ft. } \div \underline{1.66 \times 8} = \underline{\hspace{2cm}} \text{ Pins needed}$$

## VERSA-LOK® Caps

Additional caps may be needed for special splits or cuts.

Formula: Linear feet of wall (LF) x 0.75 = Number of C Caps

$$\underline{\hspace{2cm}} \text{ LF } \times \underline{0.75} = \underline{\hspace{2cm}} \text{ C Caps needed}$$

## Quikrete Construction Adhesive

Based on two ¼" beads.

Formula: Linear feet of wall (LF) ÷ 6 LF per Tube = Number of tubes

$$\underline{\hspace{2cm}} \text{ LF } \div \underline{6 \text{ LF}} = \underline{\hspace{2cm}} \text{ Tubes needed}$$

\*\* This quantity does not include estimates for embedded or buried units (shown above). The quantity of buried units (generally all Standard units) should be added to this number.

# VERSA-LOK® MOSAIC® UNIT SPECIFICATIONS

All slots should be facing UP when constructing a VERSA-LOK wall.

**Note:** Grid estimating information can be found on: [www.versa-lok.com](http://www.versa-lok.com).

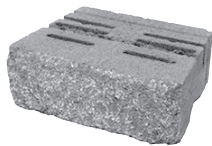
## Mosaic® Panel Configurations



(Actual unit size and weight may vary slightly by region.)

Each Mosaic panel is 1.66 square feet in wall-face area. For each panel, there is one Standard unit, two Accent units, and one Cobble unit. The following formulas and table may be used to estimate quantities of units required for a Mosaic retaining wall project. Mosaic is available in Standard and Weathered finishes.

	STANDARD	Cobble	Accent
Height	6"	6"	4"
Width (face)	16"	8"	12"
Width (rear)	14"	6"	8"
Depth	12"	12"	12"
Face Area	$\frac{2}{3}$ foot <sup>2</sup>	$\frac{1}{3}$ foot <sup>2</sup>	$\frac{1}{3}$ foot <sup>2</sup>
Weight	82 lbs.	38 lbs.	37 lbs.
Weight/Face Area	123 lbs./foot <sup>2</sup>	111 lbs./foot <sup>2</sup>	108 lbs./foot <sup>2</sup>



### Standard

No. of Standard Units =  
Wall Sq. Footage ÷ 1.66



### Accent®

No. of Accent Units =  
Wall Sq. Footage ÷ 1.66 x 2



### Cobble®

No. of Cobble Units =  
Wall Sq. Footage ÷ 1.66

## VERSA-LOK Mosaic Quantity Estimation Chart

EXPOSED WALL HEIGHT	EXPOSED WALL LENGTH	10 FT.	12 FT.	14 FT.	16 FT.	18 FT.	20 FT.	22 FT.	24 FT.	26 FT.	28 FT.	30 FT.
10"	Standard	5	6	7	8	9	10	11	12	13	14	15
	Cobble	5	6	7	8	9	10	11	12	13	14	15
	Accent	10	12	14	16	18	20	22	24	26	28	30
20"	Standard	10	12	14	16	18	20	22	24	26	28	30
	Cobble	10	12	14	16	18	20	22	24	26	28	30
	Accent	20	24	28	32	36	40	44	48	52	56	60
30"	Standard	15	18	21	24	27	30	33	36	39	42	45
	Cobble	15	18	21	24	27	30	33	36	39	42	45
	Accent	30	36	42	48	54	60	66	72	78	84	90
40"	Standard	20	24	28	32	36	40	44	48	52	56	60
	Cobble	20	24	28	32	36	40	44	48	52	56	60
	Accent	40	48	56	64	72	80	88	96	104	112	120

\*This chart does not include estimates for embedded (buried) units. Each panel requires 8 Snap-Off Pins. The quantity of embedded units, (generally Standard units) should be added to the above numbers.

# VERSA-LOK® ACCENT® AND COBBLE® WALLS

## Design Options Using VERSA-LOK® Mosaic® Units

Attractive, durable retaining walls can be constructed using only VERSA-LOK Cobble or VERSA-LOK Accent units. These units offer the same features and benefits a VERSA-LOK Mosaic walls, including:

- Classic split-face texture
- Setback or near-vertical walls
- No mortar or concrete footings required
- Great options for tighter radius projects, such as planting areas and tree rings

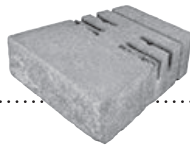
Maximum height for an unreinforced VERSA-LOK Accent or VERSA-LOK Cobble wall using a ¾" inch setback is four feet. Maximum height for an unreinforced wall built with a near-vertical setback is three feet. Individual site, soil, and loading conditions (including terraces) may limit unreinforced wall heights to less than those stated. Taller walls require soil reinforcement and engineering assistance. Please contact your local VERSA-LOK representative if unsure about any site, soil, height, or local construction requirements.

Note: Grid estimating information can be found on: [www.versa-lok.com](http://www.versa-lok.com).



### VERSA-LOK Accent

- 3'0" Minimum Outside Radius
- 1 unit = 37 lbs.
- \*19 pieces per course will make the tightest circle



### VERSA-LOK Cobble

- 4'4" Minimum Outside Radius
- 1 unit = 38 lbs.
- \*21 pieces per course will make the tightest circle



## Using VERSA-LOK® Standard and Cobble® Units

### 1:1 Ratio:

- One Standard block and one Cobble block for each square foot.
- Example: 100s/f = (1)Standard = 100 pcs
- (1) Cobble = 100 pcs

Take the square footage of the project and multiply by the percentages listed below. Multiply standard block by 1.5 (like usual) to get quantity of standard blocks. Multiply Cobble block x 3 (3 pcs. per sq. ft.) to get quantity of Cobble blocks.

### 2:1 Ratio

- Example: 100 s/f = (2) Standard 80% = 80s/f x 1.5 = 120 pcs
- (1) Cobble 20% = 20s/f x 3 = 60 pcs

### 3:1 Ratio

- Example: 100 s/f = (3) Standard 85% = 85 s/f x 1.5 = 128 pcs
- (1) Cobble 15% = 15 s/f x 3 = 45 pcs

### 4:1 Ratio

- Example: 100 s/f = (4) Standard 88% = 88s/f x 1.5 = 132 pcs
- (1) Cobble 12% = 12s/f x 3 = 36 pcs

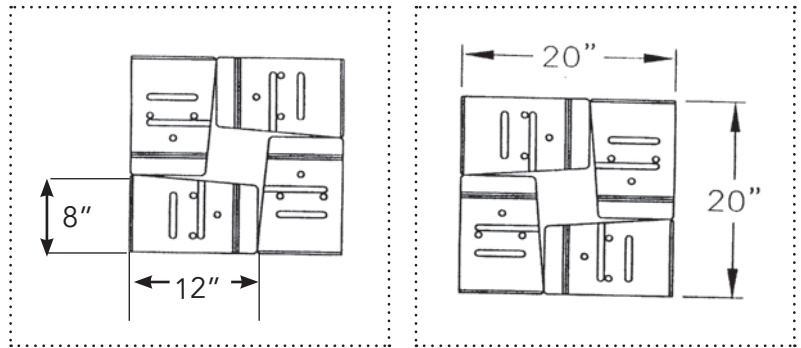


# COLUMN CONSTRUCTION IDEAS

## VERSA-LOK 20" Column



\*\*Now available as a 3 Foot Column Kit



ODD COURSE

EVEN COURSE

### Installation Sequence - Unreinforced Column (6' Tall Max.)

Each course is built with four (4) corner units.

- Alternative courses: even course four right corners and odd course four left corners.
- Right and left can be created simply by flipping them over.

#### Column notes:

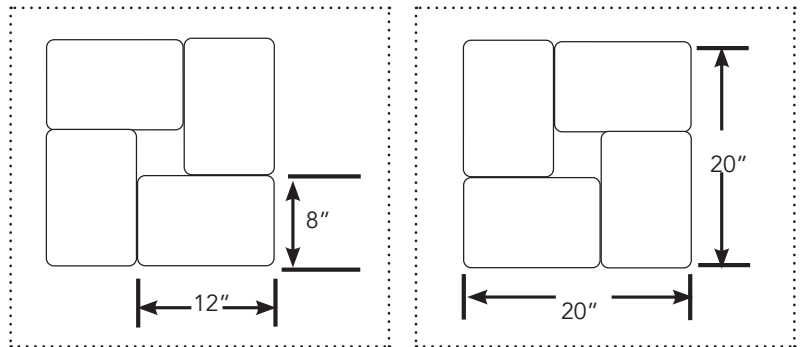
- Units will not pin.
- Adhere units together using concrete adhesive.

COLUMN SIZE	PIECES PER EACH COURSES	PIECES NEEDED 3 FEET TALL	PIECES NEEDED 4 FEET TALL
20"	4 VL Corners	24 VL Corners	32 VL Corners

## Munich Wall 20" Column



\*\*Now available as a 3 Foot Column Kit



ODD COURSE

EVEN COURSE

### Installation Sequence - Unreinforced Column (6' Tall Max.)

Each course is built with four (4) Munich wall units.

- Each odd course is built with four Munich Wall units.
- Even and odd courses are built with the same alternating placement of blocks.

#### Column notes:

- Units will not pin.
- Adhere units together using concrete adhesive.

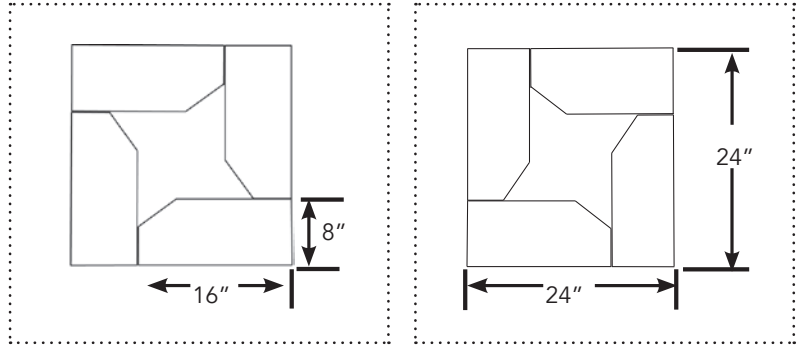
COLUMN SIZE	PIECES PER EACH COURSE	PIECES NEEDED 3 FEET TALL	PIECES NEEDED 3 FEET TALL	PIECES NEEDED 4 FEET TALL
20"	4 Munich Wall Units	4 Munich Wall Units	36 Munich Wall Units	44 Munich Wall Units

# COLUMN CONSTRUCTION IDEAS

## 24" Full Corner Column



\*\*Now available as a 3 Foot Column Kit



ODD COURSE

EVEN COURSE

### Installation Sequence - Unreinforced Column (6' Tall Max.)

Each course is built with four (4) full-size corner units.

- Each odd course is built with four full-size corner units.
- Even and odd courses are built the same alternating placement of blocks.

#### Column notes:

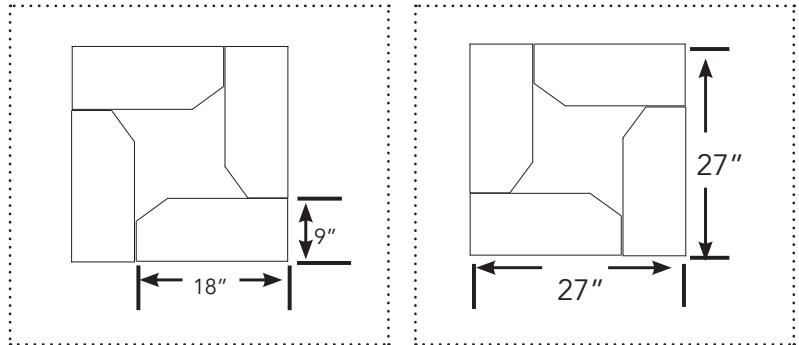
- Units will not pin.
- Adhere units together using concrete adhesive.

COLUMN SIZE	PIECES PER EACH COURSE	PIECES NEEDED 3 FEET TALL	PIECES NEEDED 3 FEET TALL	PIECES NEEDED 4 FEET TALL
24"	4 full-size corner units	4 full-size corner units	24 full-size corner units	24 full-size corner units

## VERSA-LOK Square Foot 27" Corner Column



\*\*Now available as a 3 Foot Column Kit



ODD COURSE

EVEN COURSE

### Installation Sequence - Unreinforced Column (6' Tall Max.)

Each course is built with four (4) Square Foot corner units.

- Each odd course is built with four Square Foot corner units.
- Even and odd courses are built the same alternating placement of blocks.

#### Column notes:

- Units will not pin.
- Adhere units together using concrete adhesive.

COLUMN SIZE	PIECES PER EACH COURSE	PIECES NEEDED 3 FEET TALL	PIECES NEEDED 3 FEET TALL	PIECES NEEDED 4 FEET TALL
27"	4 VL Sq. Ft. corner units	4 VL Sq. Ft. corner units	20 VL Sq. Ft. corner units	24 VL Sq. Ft. corner units

# STONE CAPS, TREADS & STEPS

## PIER CAPS - Wet Cast

BRANCHVILLE/MONTGOMERY					
	SIZE	PIECES/PALLET	WEIGHT/PIECE	EST. SHIP WEIGHT/PALLET	PART #
LIGHT CAPS	22" x 22"	12	135 lbs.	1,620 lbs.	PCLT
	26" x 26"	12	180 lbs.	2,160 lbs.	PCLTS
	30" x 30"	6	240 lbs.	1,440 lbs.	PCLTM
	32" x 32"	6	250 lbs.	1,500 lbs.	PCLTL
PEAK CAPS	22" x 22"	12	145 lbs.	1,740 lbs.	PC
	26" x 26"	12	190 lbs.	2,280 lbs.	PCS
	30" x 30"	6	275 lbs.	1,650 lbs.	PCM
	32" x 32"	6	280 lbs.	1,680 lbs.	PCL
FLAT CAPS	22" x 22"	40	95 lbs.	3,800 lbs.	PCF
	26" x 26"	24	130 lbs.	3,120 lbs.	PCFS
	30" x 30"	12	155 lbs.	1,860 lbs.	PCFM
	32" x 32"	12	180 lbs.	2,160 lbs.	PCFL
	36" x 36"	12	240 lbs.	2,880 lbs.	PCFX

PEDRICKTOWN					
	SIZE	PIECES/PALLET	WEIGHT/PIECE	EST. SHIP WEIGHT/PALLET	PART #
LIGHT CAPS	22" x 22"	12	135 lbs.	1,620 lbs.	PCLT
	26" x 26"	12	180 lbs.	2,160 lbs.	PCLTS
	30" x 30"	6	240 lbs.	1,440 lbs.	PCLTM
	32" x 32"	6	250 lbs.	1,500 lbs.	PCLTL
PEAK CAPS	22" x 22"	12	145 lbs.	1,740 lbs.	PC
	26" x 26"	12	190 lbs.	2,280 lbs.	PCS
	30" x 30"	6	275 lbs.	1,650 lbs.	PCM
	32" x 32"	6	280 lbs.	1,680 lbs.	PCL
FLAT CAPS	22" x 22"	40	95 lbs.	3,800 lbs.	PCF
	26" x 26"	24	130 lbs.	3,120 lbs.	PCFS

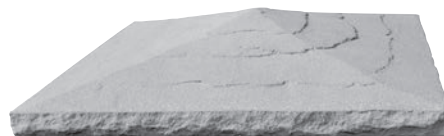
### Standard Colors

	08 Brown	07 Cocoa Brown	03 Grey**	70 Sandstone*
Branchville/Montgomery		✓	✓	
Pedricktown	✓		✓	✓

\* Special order only. \*\* Pedricktown color code #01 - Grey.



Light Cap



Peak Cap



Flat Cap

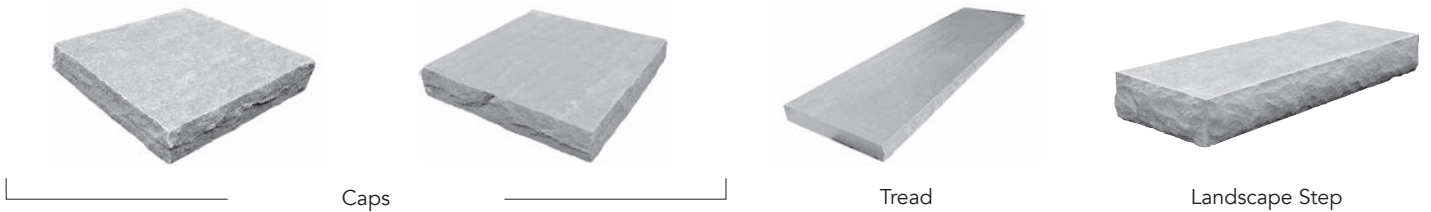
# STONE CAPS, TREADS & STEPS

## NATURAL



PEDRICKTOWN		Full pallets only.			
	SIZE	WEIGHT/PIECE (LBS)	PIECES/CUBE	WEIGHT/CUBE (LBS)	PART #
CAPS	22" x 22" x 2"	97.5	13	1,267	YV22222
	26" x 26" x 2"	131	13	1,706	YV26262
TREADS	12" x 48" x 2"	116	24	2,784	YV21248
	14" x 48" x 2"	135	24	3,248	YV21448
	12" x 72" x 2"	174	12	2,088	YV21272
	14" x 72" x 2"	203	12	2,436	YV1472

Landscape Steps  
(Special Order - please call for availability and pricing.)



Caps

Tread

Landscape Step

## LANDSCAPE STEPS - Wet Cast

BRANCHVILLE/MONTGOMERY	
SIZE	PART #
6" x 16" x 36"	LLS + Color
6" x 16" x 48"	LSM + Color
6" x 16" x 72" (Special Order Only)	LS + Color



PEDRICKTOWN	
SIZE	PART #
6" x 16" x 36"	KLS010672S
6" x 16" x 48"	KLS010648S
6" x 16" x 72"	KLS010636S

	Standard Colors			
	08 Brown	07 Cocoa Brown	03 Grey**	70 Sandstone*
Branchville/Montgomery	✓	✓	✓	
Pedricktown	✓		✓	✓

\* Special order only. \*\* Pedricktown color code #01 - Grey.



### Notes:

- Do not apply salts and/or other de-icing products.
- Do not use efflorescence cleaners.
- Blended colors will provide variations from light to dark.

# STEP TREADS AND WALLS CAPS

## STEP TREADS & WALL CAPS - Wet Cast

PEDRICKTOWN		
PRODUCT	SIZE	PART #
Step Treads	51" L x 12" D x 2 1/4" H	KST005112S
	51" L x 14" D x 2 1/4" H	KST005114S
Wall Caps - RockFace 2-sides	48" L x 12" W x 2 1/4" H	KWC024812S
	48" L x 14" W x 2 1/4" H	KWC024814S
Wall Caps - RockFace 3-sides	51" L x 12" W x 2 1/4" H	KWC035112S
	51" L x 14" W x 2 1/4" H	KWC035114S



Step Tread

	Standard Colors		
	07 Brown	01 Grey	70 Sandstone*
Pedricktown	✓	✓	✓

\* Special order only.



Wall Cap

## MAJESTIC LANDSCAPE STEP

PEDRICKTOWN		
PRODUCT	SIZE	PART #
Landscape Steps	6" x 30" x 40" (approx.)	KMS003040S
	6" x 36" x 60" (approx.)	KMS003060S
Riser Return Units	6" x 12" x 36" (varies)	KMS00RISES

	Standard Colors		
	07 Brown	01 Grey	70 Sandstone*
Pedricktown	✓	✓	✓

\* Special order only.





# COUNTER TOPS

## CUSTOM COUNTER TOPS - Wet Cast

Available in Pedricktown only. Please ask your CST Pavers distributor or landscape contractor for details on color, finish and edge options.

### Notes:

- Do not apply salts and/or other de-icing products.
- Do not use efflorescence cleaners.
- Blended colors will provide variations from light to dark.

	Standard Colors		
	07 Brown	01 Grey	70 Sandstone*
Pedricktown	✓	✓	✓

\* Special order only.



# BISTRO TABLE AND GRILL KITS

## BISTRO TABLE KIT

Pedricktown				
PRODUCT	HEIGHT	WIDTH	LENGTH	PART #
Table Top*	3½"	42"	42"	KBT00TABKS = Top, Base and 44 Munich Wall Units
Table Base (Munich Wall Units)	NA	20"	20"	
Foot Rest	2½"	28"	28"	KBT00TTBS = Table Top/Table Base
Overall Table Height	41"	NA	NA	

\* Top/Base is available in Grey only.



### Notes:

- Do not apply salts and/or other de-icing products.
- Do not use efflorescence cleaners.
- Blended colors will provide variations from light to dark.

### Kit Notes:

- Pre-drilled 1¼" hole in table top and foot rest.
- Table top and foot rest are manufactured Wet-cast with sealer applied.
- Table base includes 11 courses of Munich wall units.
- Chairs not included.

	Standard Colors				ULTRABELLE Collection	
	03 Antique Grey	36 Butternut	47 Hickory Blend	05 Red Flash*	72 Brandywine**	76 Ocean City Sand**
Pedricktown	✓	✓	✓	✓	✓	✓

\* Special order only. \*\* Premium color; call for pricing. Top/Base is available in Grey only.

## GRILL KIT

### Notes:

- Do not apply salts and/or other de-icing products.
- Do not use efflorescence cleaners.
- Blended colors will provide variations from light to dark.

### Specifications:

- 149 pieces of Munich Wall units.
- 3 Wet Cast counter top units with sealer applied

### Kit Notes:

- Kit is designed for a 30"D x 29"W x 64.5"H size grill.
- Other size grills can be accommodated with field adjustments.
- Grills can be purchased from your local retailer.
- (Several CST Pavers Distributors sell grills.) Grill is not included with the kit.



Pedricktown				
PRODUCT	HEIGHT	WIDTH	DEPTH	PART #
Grill Kit	38"	98"	36"	KGK00GKITS

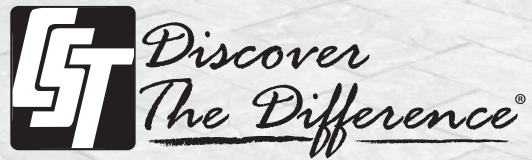
	Standard Colors		
	03 Antique Grey	36 Butternut	47 Hickory Blend
Pedricktown	✓	✓	✓

\* Special order only. \*\* Premium color; call for pricing. Counter Top is available in brown and grey only.



NOTICE OF LIMITED WARRANTY: the terms of the Limited Warranty applicable to our products can be found at [www.cstpavers.com](http://www.cstpavers.com) or can be obtained by sending a written request to c/o CST PAVERS, 5 Concourse Parkway, Atlanta, USA.

QUIKRETE and its subsidiaries (collectively QUIKRETE) reserve the right to improve its products and make changes to its specification and design without notice. The information contained herein has been compiled by QUIKRETE and to the best of its knowledge, accurately represents CST Pavers products and how it may be used in the applications which are illustrated. Site conditions, including load pressures acting on the wall, soil types and drainage conditions, may vary. Final determination of the suitability of the product for the use contemplated and the manner of product use are the sole responsibility of the user. Good construction practices and local building codes require the use of an engineered design when constructing retaining walls or free-standing walls in many conditions. Structural design and analysis should be provided by a qualified engineer.



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