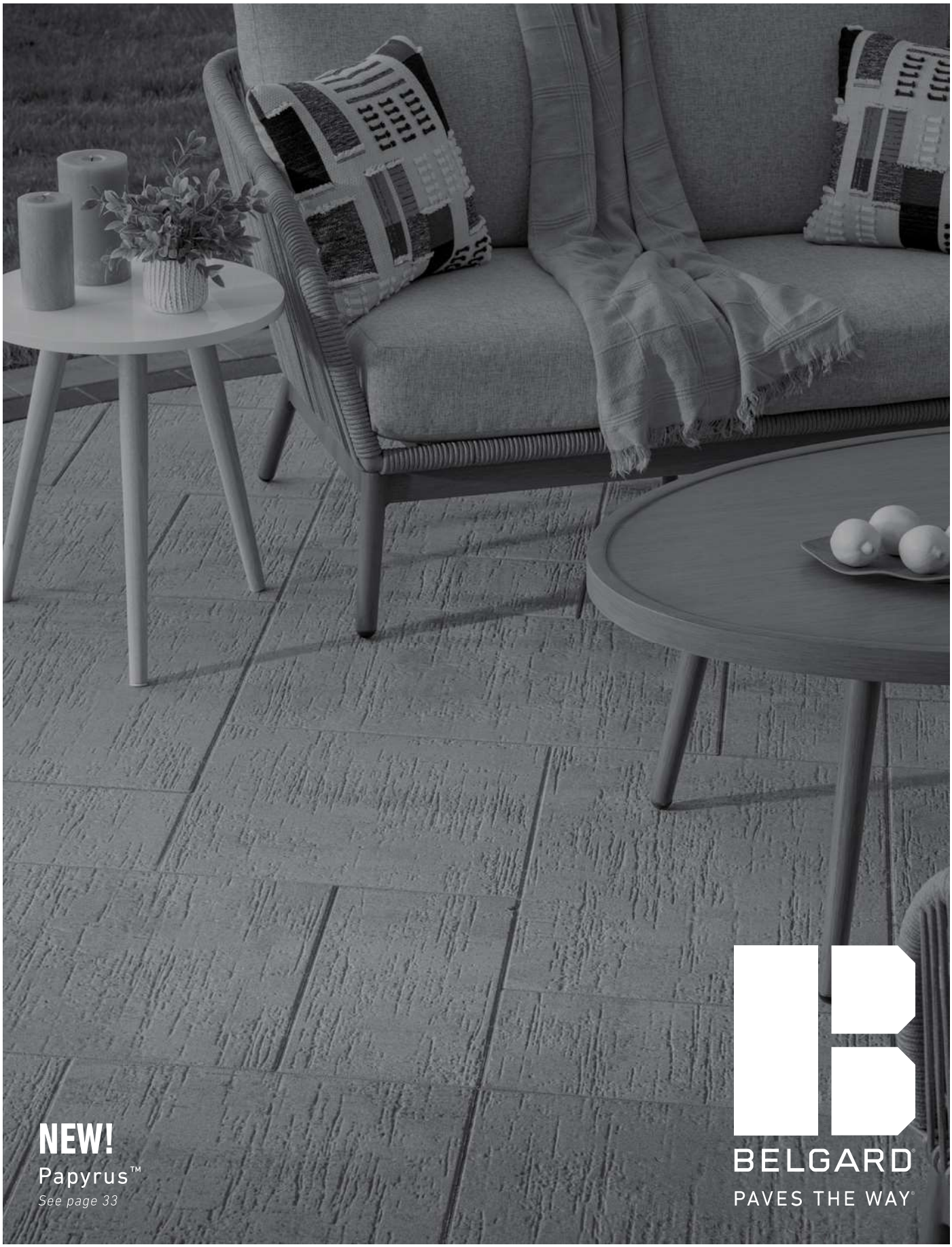


RESOURCE GUIDE | COASTAL

LIFETIME TRANSFERABLE LIMITED WARRANTY

Oldcastle® APG, Inc. ("Belgard") is proud to inform you that all of our interlocking concrete paver and retaining walls ("Products") meet and/or exceed the requirements of ASTM C-936 and ASTM C-1372. Belgard® guarantees its Products against these standards for the lifetime of the Product defined by CMHA. This guarantee does not apply to splitting, chipping or other breakage that could be caused by impact, abrasion or overloading. This warranty is transferable. The original proof of purchase is required.

This warranty is only valid if the material is installed under the guidelines of CMHA (masonryandhardscapes.org) or the Belgard Installation Guideline Manual. Improper installation voids this warranty. This warranty is for residential applications only and does not apply to commercial applications. It is recommended that the job be installed by a Belgard Authorized Contractor participant who guarantees their workmanship for a minimum of 3 years from the date of install. For warranty service, contact Belgard at 877-BELGARD. A service representative will investigate your claim within 10 business days. If the Belgard product fails to meet the specifications, Belgard will replace the defective product at no charge. Color matching cannot be guaranteed. Belgard will not be responsible for any replacement labor, consequential damages or incidental damages. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow for the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

For specific information regarding warranty coverage and exclusions in regards to the Elements™ and Porcelain Paver products, please visit: Belgard.com/Warranty.

ABOUT US

At Belgard®, we take our role as industry leaders seriously. Our rigorous research and development program is centered on innovation and quality. We never take it for granted that our products are the best in the business and constantly strive to improve and take the industry to the next level. Our overarching goal is to continue to find new and exciting ways to create beautiful outdoor spaces while maintaining incredibly high standards for product quality and performance.

Since 1995, our locally made and nationally backed products have transformed thousands of residential and commercial properties across North America. With more shapes, styles and textures than any other brand, Belgard's Outdoor Living paving and wall products aren't just functional, they infuse outdoor spaces with distinctive atmosphere and style.

Every day, our network of Belgard Authorized Dealers and Contractors helps customers realize their outdoor dreams. And every year, we strive to improve our product and service offerings by dedicating more than 20,000 hours to research and development. By staying ahead of design trends, we are able to provide design-forward products that homeowners envision for their backyard spaces.

All of our outdoor products—when installed by a Belgard Authorized Contractor—are covered by a transferable lifetime limited warranty. That's just part of our commitment to lasting outdoor beauty.

PAVERS & SLABS

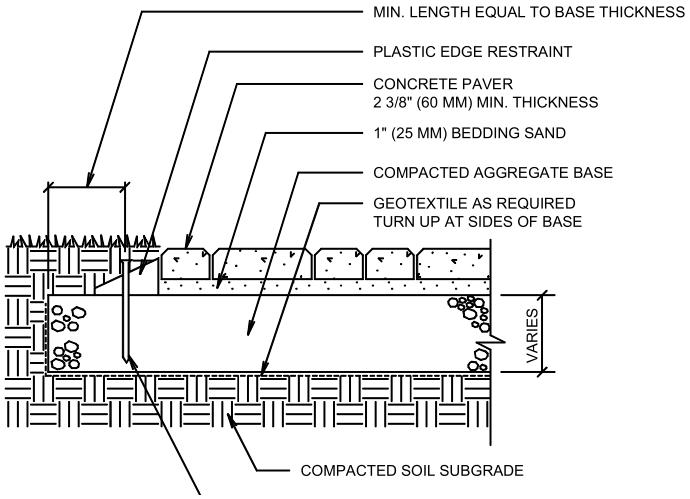
PAVERS & SLABS INSTALLATION GUIDE

PAVERS & SLABS

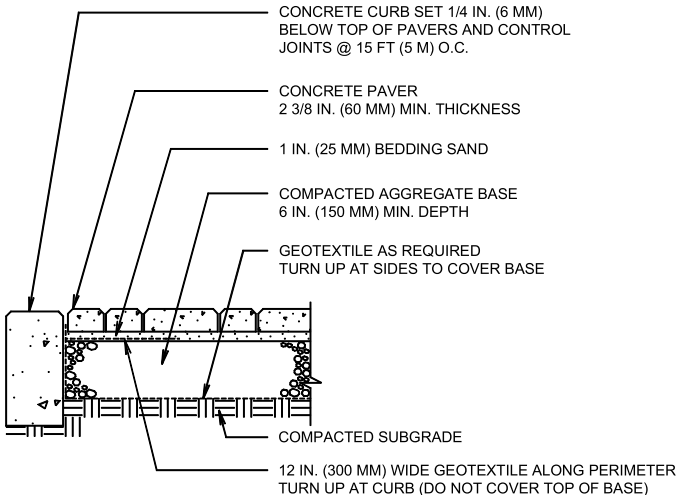
For basic paver installation information visit masonryandhardscapes.org

INTERLOCKING CONCRETE PAVEMENT (ICP)

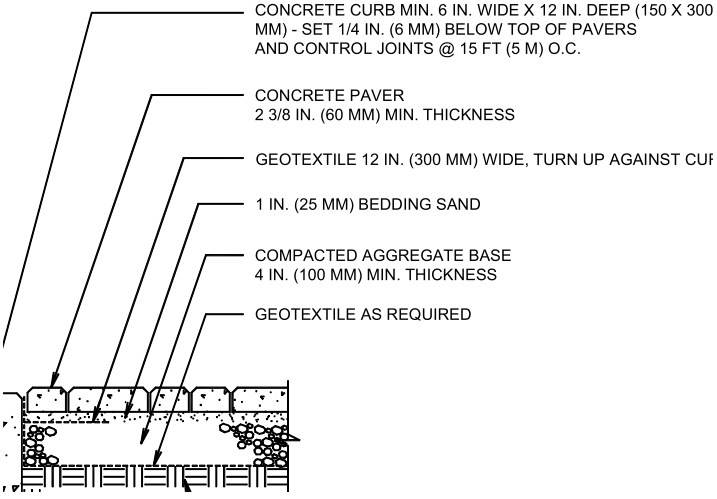
PATIO/WALK/RESIDENTIAL DRIVEWAY WITH PLASTIC EDGE RESTRAINT CROSS SECTION



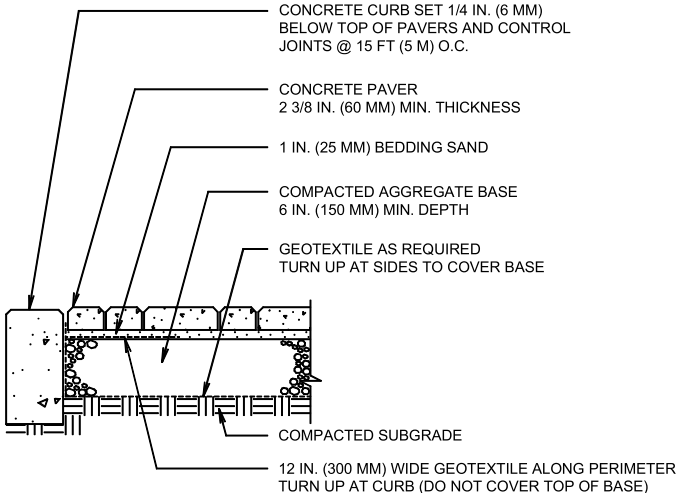
RESIDENTIAL DRIVEWAY WITH CONCRETE EDGES CROSS SECTION



PATIO/SIDEWALK ON COMPACTED AGGREGATE BASE CROSS SECTION



SWIMMING POOL DECK AND COPING CROSS SECTION



APPIAN-STONE®

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	✓	80MM		✓	

SHAPES & SIZES

2-Piece | 30mm*

6 x 6 x 1³⁄₁₆

6 x 9 x 1³⁄₁₆

2-Piece | 60mm

6 x 6 x 2³⁄₈

6 x 9 x 2³⁄₈

Rectangle | 60mm

6 x 9 x 2³⁄₈

**Vehicular use only approved with use of DriBond™*

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
2-PIECE COMBO | 30MM*							
JAX, LA, WPB	124	–	12	336	–	–	1652
HC	124	–	15	336	–	–	1652
2-PIECE COMBO | 60MM							
HC, JAX ,ORL, WPB	103	–	10	280	–	–	2678
LA	103	–	12	276	–	–	2600
RECTANGLE | 60MM							
JAX, ORL, WPB	103	–	10	250	–	–	2678
HC	121	–	10	300	–	–	3200
LA	121	–	10	300	–	–	3200

Appian Combo is packaged per cube: 75% 6x9, 25% 6x6

**Vehicular use only approved with use of DriBond™*

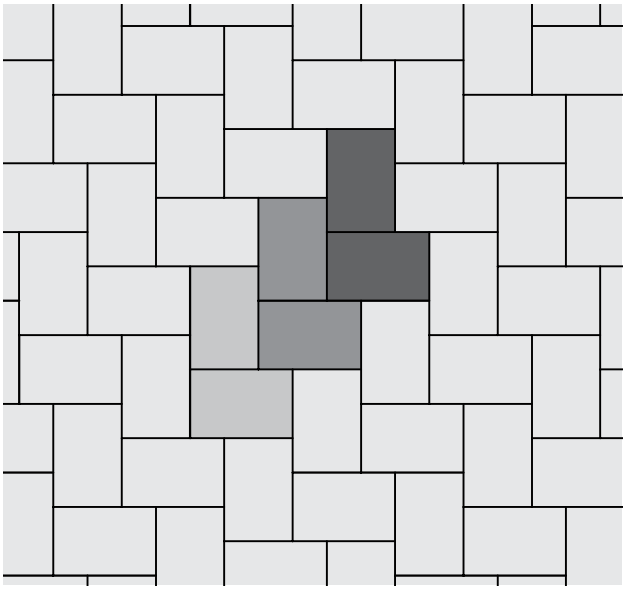
APPIAN-STONE®

NOTES:
AutoCAD® hatch pattern files can be downloaded from belgard.com for use in architectural drawings.

Some patterns may not necessarily reflect the percentages of stone sizes within a particular pallet. In some cases you may have extras in one or more of the sizes. This must be accounted for in your planning and design.

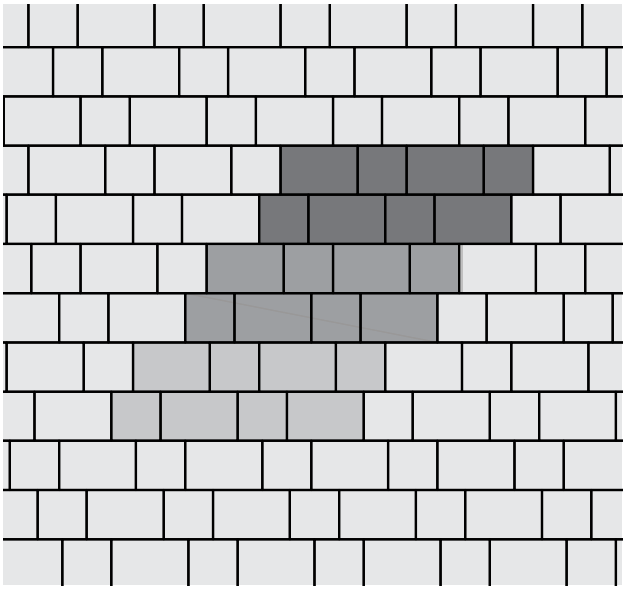
Percentages are based on area by paver.

1-PIECE HERRINGBONE



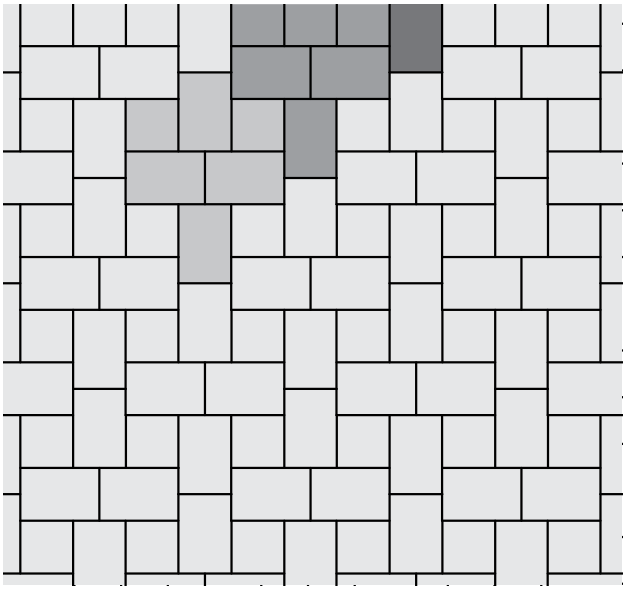
100% - 6 x 9

2-PIECE | PATTERN



25% - 6 x 6 | 75% - 6 x 9

2-PIECE | LARGE REGTANGLE & SQUARE PATTERN



25% - 6 x 6 | 75% - 6 x 9

BELGIAN COBBLE®

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	✓		✓		

SHAPES & SIZES

Multi-piece | 70mm

Variable x 2¾

With proper base and joint material, Belgian Cobble can be used as a permeable product.

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
MULTI-PIECE | 70MM							
VARIABLE X 2¾	98	–	–	504	–	–	3000

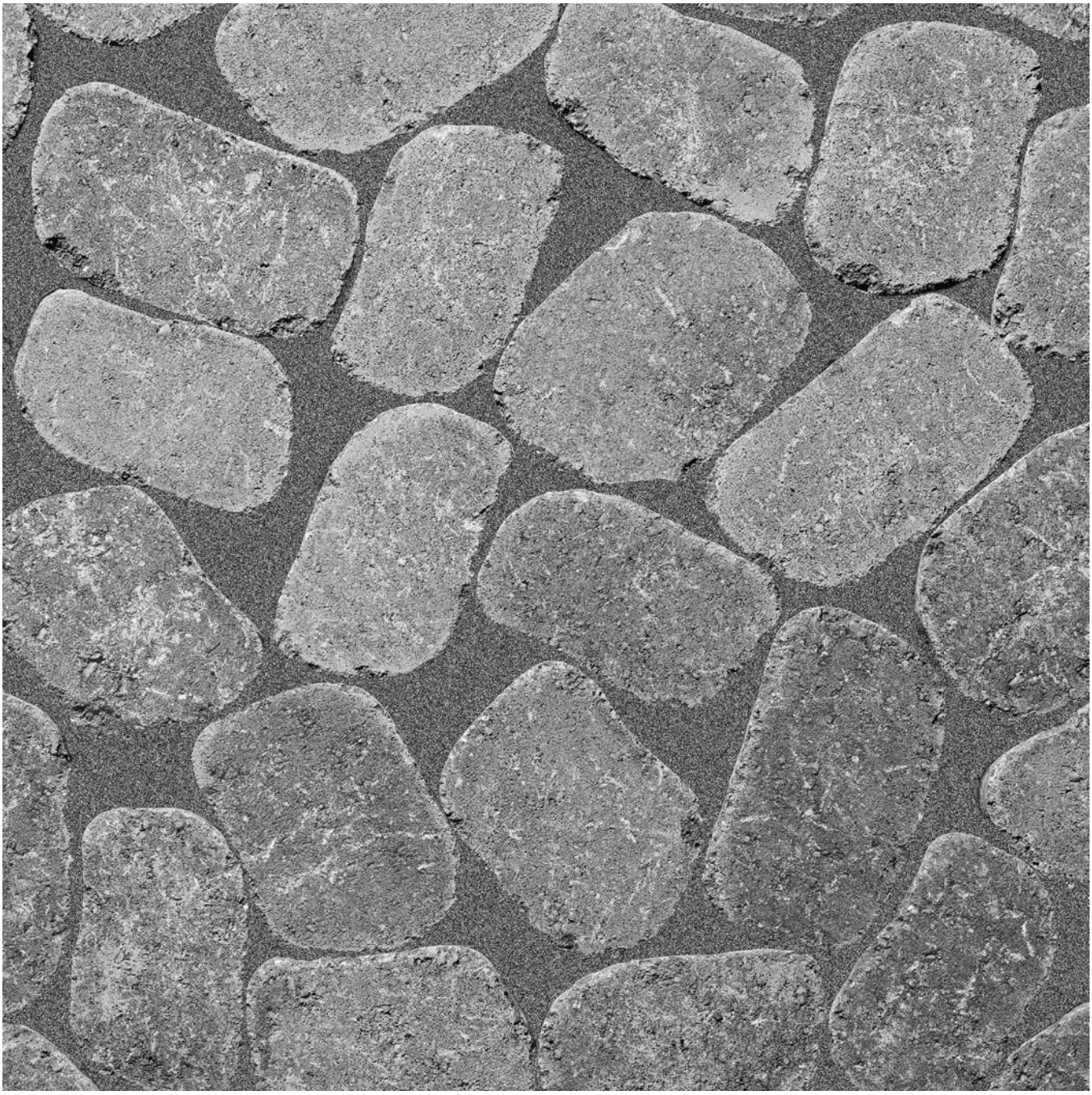
BELGIAN COBBLE®

RANDOM PATTERN

NOTES:
AutoCAD® hatch pattern files can be downloaded from belgard.com for use in architectural drawings.

Some patterns may not necessarily reflect the percentages of stone sizes within a particular pallet. In some cases you may have extras in one or more of the sizes. This must be accounted for in your planning and design.

Percentages are based on area by paver.



CATALINA™

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	✓			✓	

SHAPES & SIZES

3-Piece | 30mm*

4 x 8 x 1 3/16

8 x 8 x 1 3/16

8 x 12 x 1 3/16

**Vehicular use only approved with use of DriBond™*

3-Piece | 60mm

4 x 8 x 2 3/8

8 x 8 x 2 3/8

8 x 12 x 2 3/8

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
3-PIECE | 30MM*							
JAX, LA, WPB	103	–	10	240	–	–	1490
3-PIECE| 60MM							
JAX, LA, ORL, WPB	103	–	10	240	–	–	2778

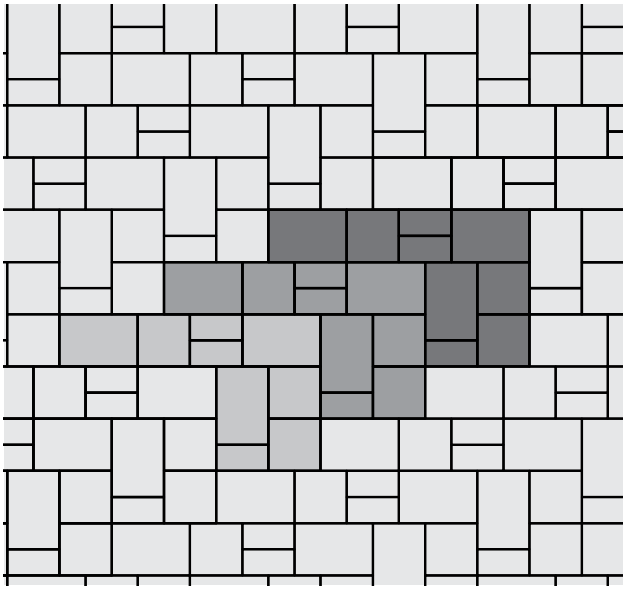
CATALINA™

NOTES:
AutoCAD® hatch pattern files can be downloaded from belgard.com for use in architectural drawings.

Some patterns may not necessarily reflect the percentages of stone sizes within a particular pallet. In some cases you may have extras in one or more of the sizes. This must be accounted for in your planning and design.

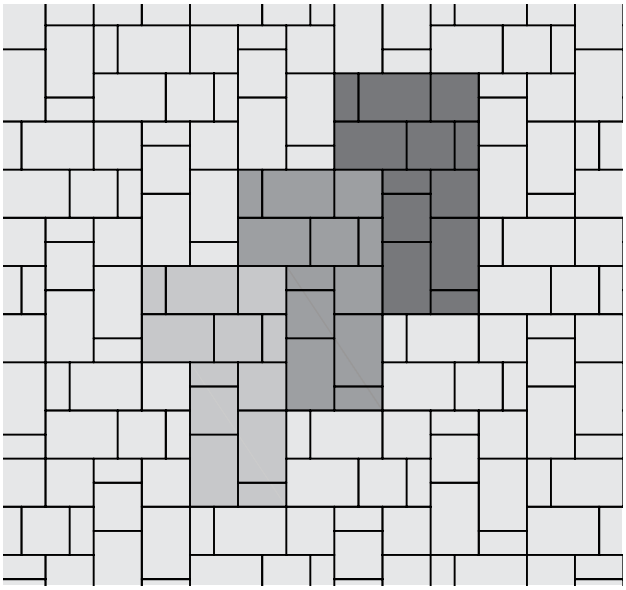
Percentages are based on area by paver.

3-PIECE PATTERN A



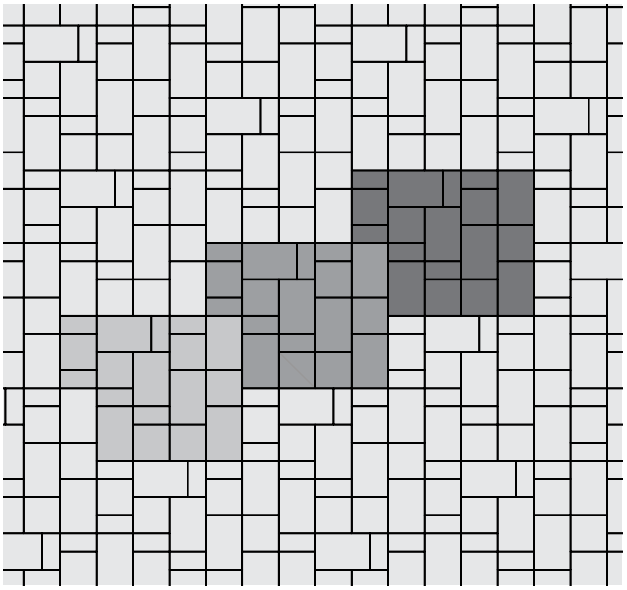
17% - 4 x 8 I 33% - 8 x 8 I 50% - 8 x 12

3-PIECE PATTERN B



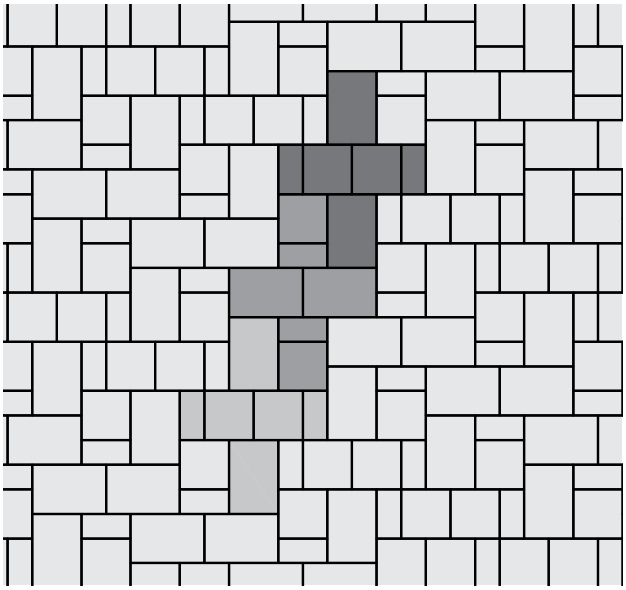
17% - 4 x 8 I 33% - 8 x 8 I 50% - 8 x 12

3-PIECE PATTERN C



17% - 4 x 8 I 33% - 8 x 8 I 50% - 8 x 12

3-PIECE I PATTERN



17% - 4 x 8 I 33% - 8 x 8 I 50% - 8 x 12

CATALINA GRANA®

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	✓			✓	

SHAPES & SIZES

3-Piece | 30mm*

4 x 8 x 1 3/16

8 x 8 x 1 3/16

8 x 12 x 1 3/16

**Vehicular use only approved with use of DriBond™*

3-Piece | 60mm

4 x 8 x 2 3/8

8 x 8 x 2 3/8

8 x 12 x 2 3/8

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
3-PIECE | 30MM*							
LA, WPB	103	–	10	240	–	–	1490
3-PIECE | 60MM							
HC, JAX, LA, ORL, WPB	103	–	10	240	–	–	2778

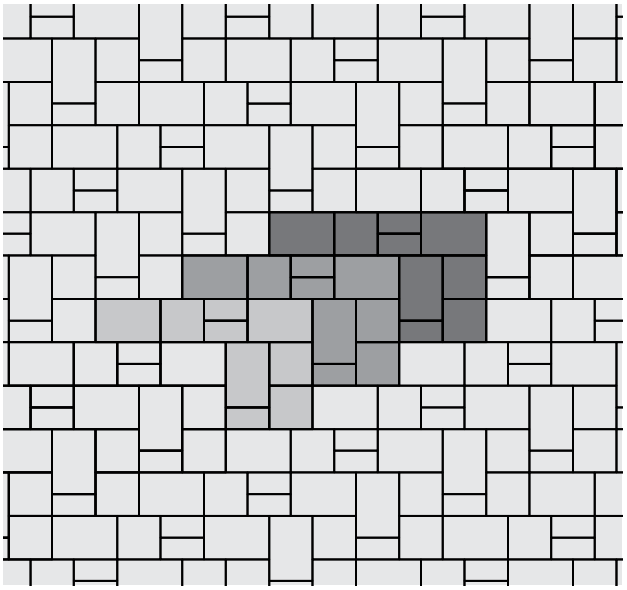
CATALINA GRANA®

NOTES:
AutoCAD® hatch pattern files can be downloaded from belgard.com for use in architectural drawings.

Some patterns may not necessarily reflect the percentages of stone sizes within a particular pallet. In some cases you may have extras in one or more of the sizes. This must be accounted for in your planning and design.

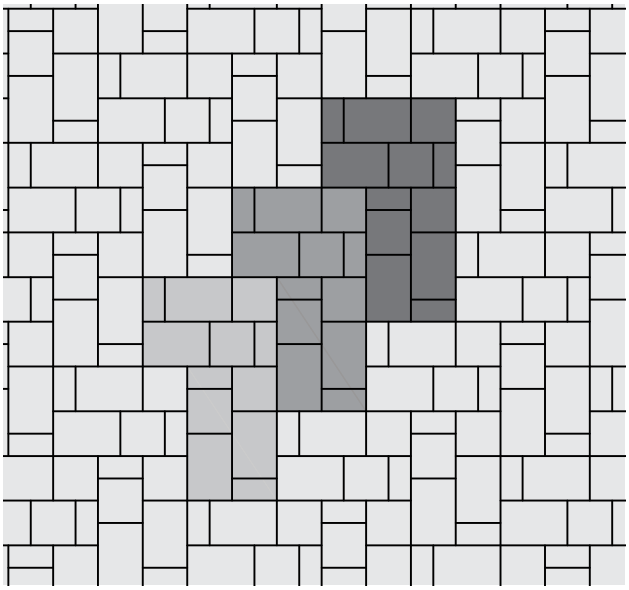
Percentages are based on area by paver.

3-PIECE PATTERN A



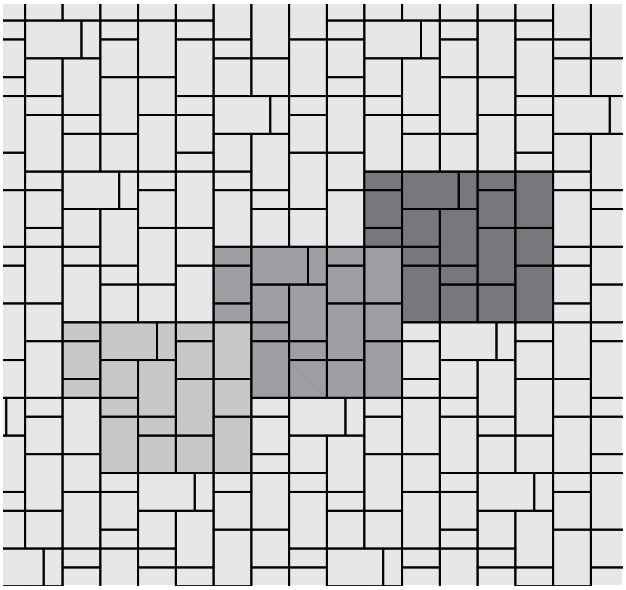
17% - 4 x 8 I 33% - 8 x 8 I 50% - 8 x 12

3-PIECE PATTERN B



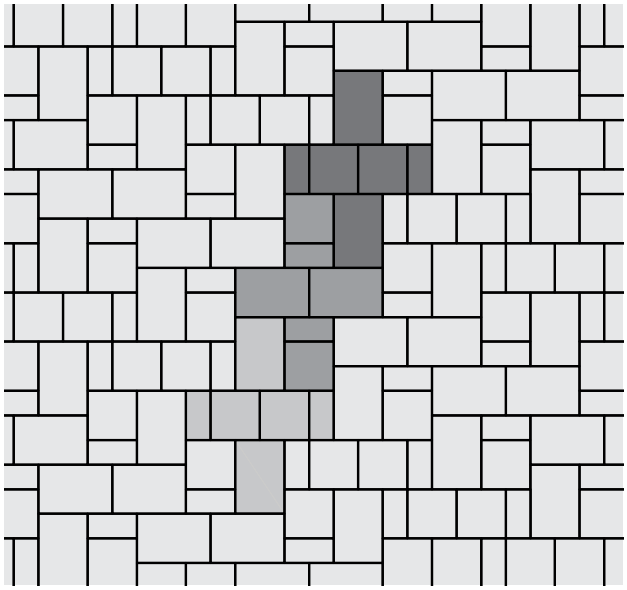
17% - 4 x 8 I 33% - 8 x 8 I 50% - 8 x 12

3-PIECE PATTERN C



17% - 4 x 8 I 33% - 8 x 8 I 50% - 8 x 12

3-PIECE I PATTERN



17% - 4 x 8 I 33% - 8 x 8 I 50% - 8 x 12

CHARLESTONE™

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	✓				

SHAPES & SIZES

3-Piece

6 x 6 x 2⅜

6 x 9 x 2⅜

6 x 12 x 2⅜

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
3-PIECE							
6 X 6 X 2⅜	15	1.5	10	60	16	–	–
6 X 9 X 2⅜	45	4.5	10	120	16	–	–
6 X 12 X 2⅜	45	4.5	10	90	16	–	–
TOTAL	105	10.5	30	270	–	–	2997

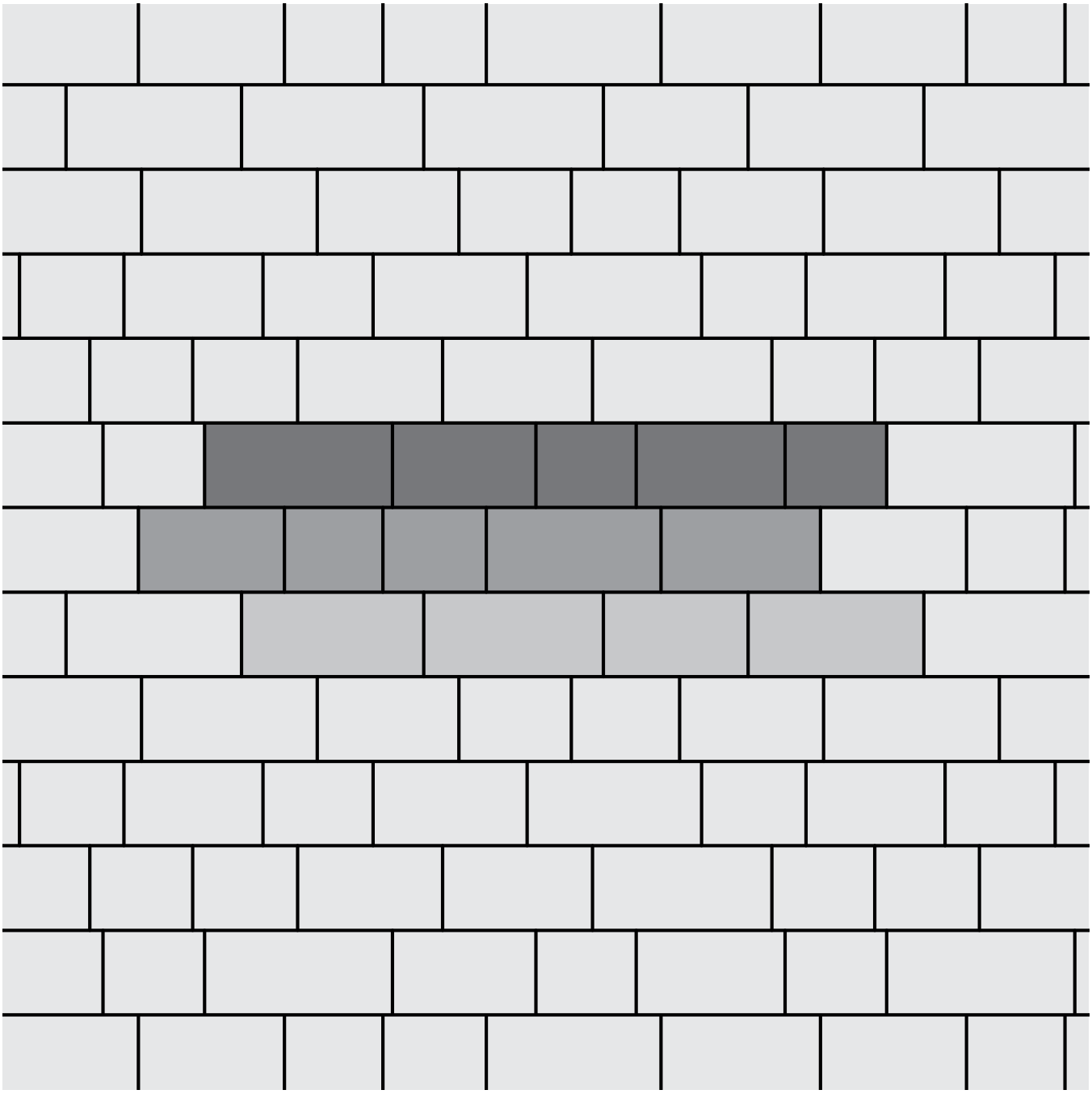
CHARLESTONE™

3-PIECE PATTERN A

NOTES:
AutoCAD® hatch pattern files can be downloaded from belgard.com for use in architectural drawings

Some patterns may not necessarily reflect the percentages of stone sizes within a particular pallet. In some cases you may have extras in one or more of the sizes. This must be accounted for in your planning and design.

Percentages are based on area by paver.



CITY SERIES

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓				✓	

SHAPES & SIZES

8 x 8 | 60mm **12 x 12 | 60mm**

8 x 8 x 2⅜ 12 x 12 x 2⅜

**Vehicular use only approved with use of DriBond™*

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
8 X 8 | 60MM							
HC	104	–	10	160	–	–	3458
LA, ORL, WPB	104	–			–	–	2704
12 X 12 | 60MM							
HC	104	–	13	104	–	–	2727
LA, ORL, WPB	116	–	10	120	–	–	3016

NOTES:
AutoCAD® hatch pattern files can be downloaded from belgard.com for use in architectural drawings.

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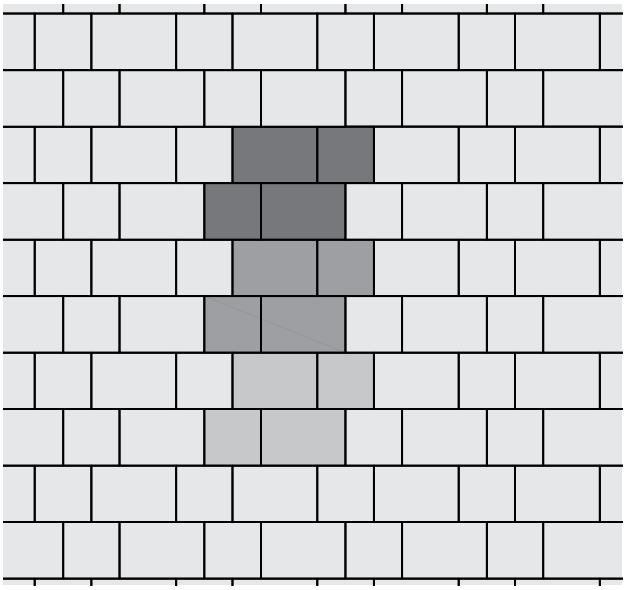
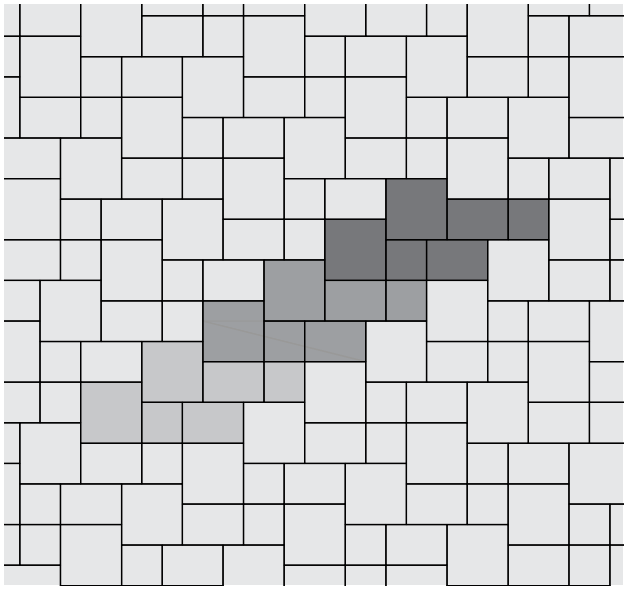
Percentages are based on area by paver.

RUNNING BOND PATTERN



40% - 8 x 8 squares I 60% - 8 x 12 rectangles

3-PIECE PATTERN A



21% - 8 x 8 squares I 32% - 8 x 12 rectangles I
47% - 12 x 12 squares

DIMENSIONS™ 18

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓				✓	

SHAPES & SIZES

Dimensions 18 | 3-Piece | 60mm

9 x 18 x 2⅜

18 x 18 x 2⅜

18 x 27 x 2⅜

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
DIMENSIONS 18 | 3-PIECE | 60MM							
9 X 18 X 2⅜	22.5	2.25	–	20	–	–	–
18 X 18 X 2⅜	22.5	2.25	–	10	–	–	–
18 X 27 X 2⅜	67.5	6.75	–	20	–	–	–
TOTAL	112.5	11.25	10	50	–	–	3516

DIMENSIONS™ 18

NOTES:
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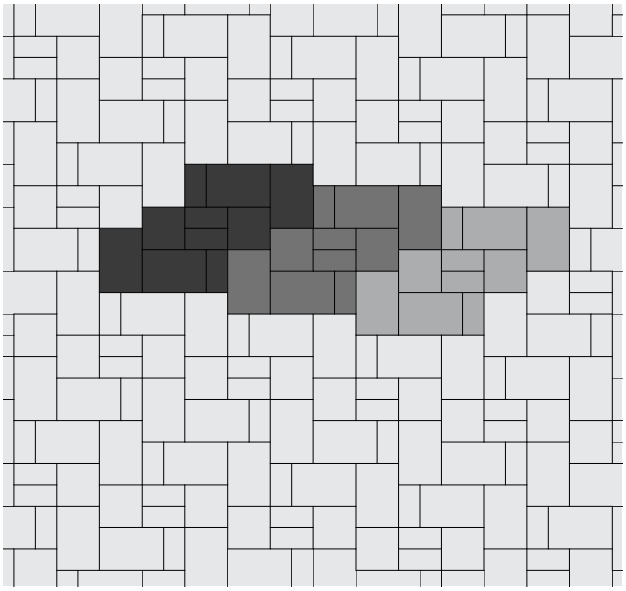
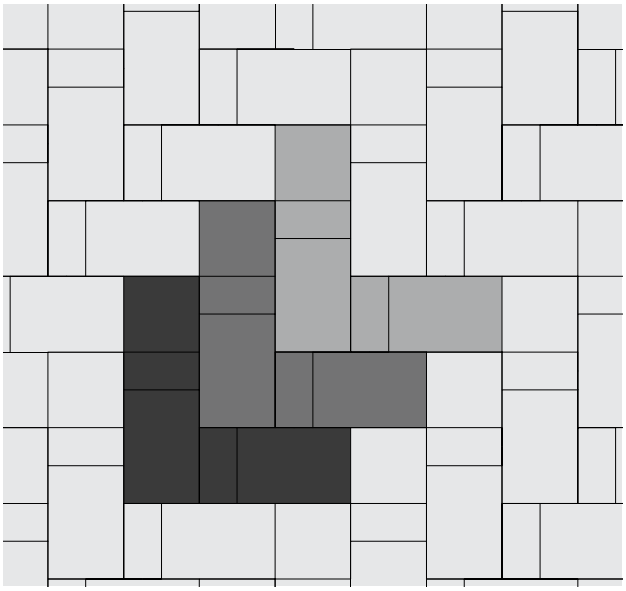
Percentages are based on area by paver.

3-PIECE LARGE PATTERN A



3-PIECE LARGE PATTERN B



EMPIRE™

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓					

SHAPES & SIZES

3 x 12

3 x 12 x 2⅜

NOTE: All 7 face styles are sold on a single pallet.

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
			60MM				
3 X 12 X 2⅜	110	11	10	440	44	4	3056

EMPIRE™

NOTES:
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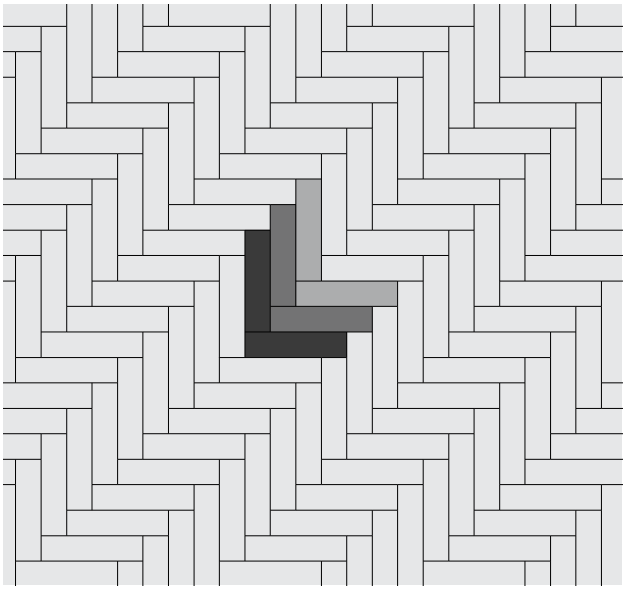
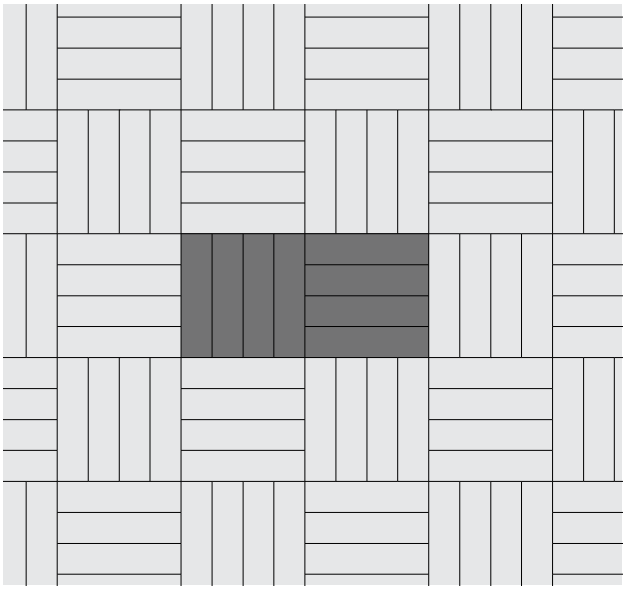
Percentages are based on area by paver.

100% 3 x 12

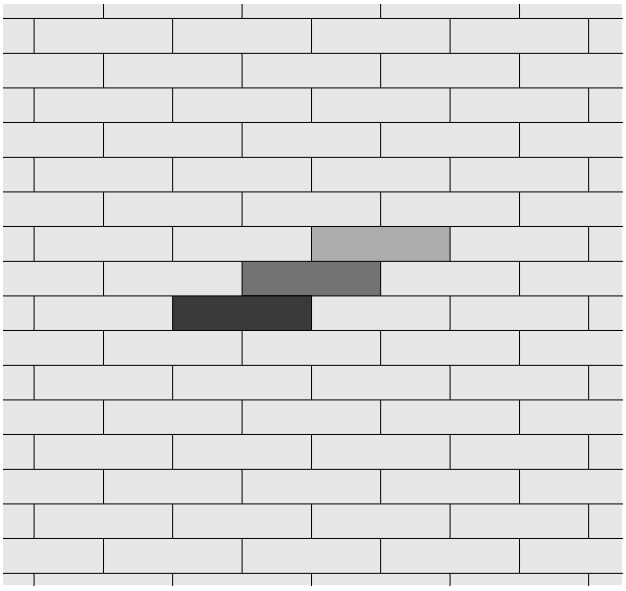
1-PIECE HERRINGBONE PATTERN



1-PIECE BASKET WEAVE PATTERN



1-PIECE RUNNING BOND PATTERN



HOLLAND STONE

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	60MM			✓	

SHAPES & SIZES

30mm*

4 x 8 x 1 3/16

60mm

4 x 8 x 2 3/8

**Vehicular use only approved with use of DriBond™*

UNIT	SQFT/ PALLET	SQFT/ BAND	LAYER/ PALLET	UNITS/ PALLET	UNITS/ BAND	UNITS/ SQFT	WEIGHT/ PALLET
			30MM*				
4 X 8 X 1 3/16	145	–	16	672	–	–	1925
			60MM				
4 X 8 X 2 3/8	120	12	10	540	54	–	3120

HOLLAND STONE

NOTES:
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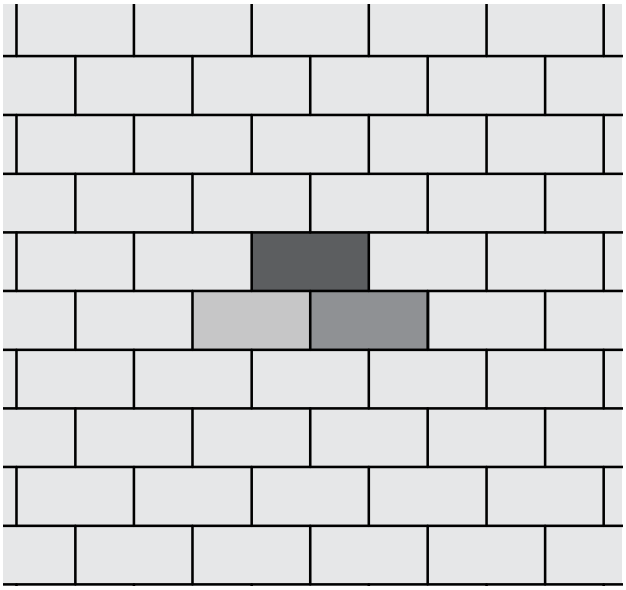
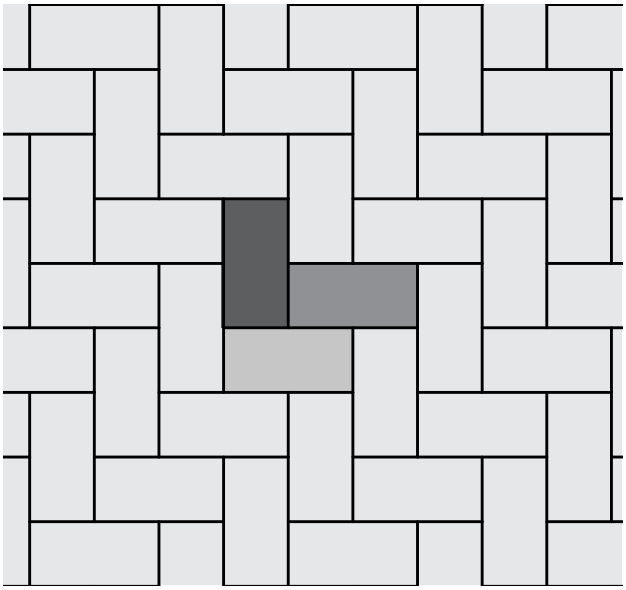
Percentages are based on area by paver.

1-PIECE RUNNING BOND PATTERN



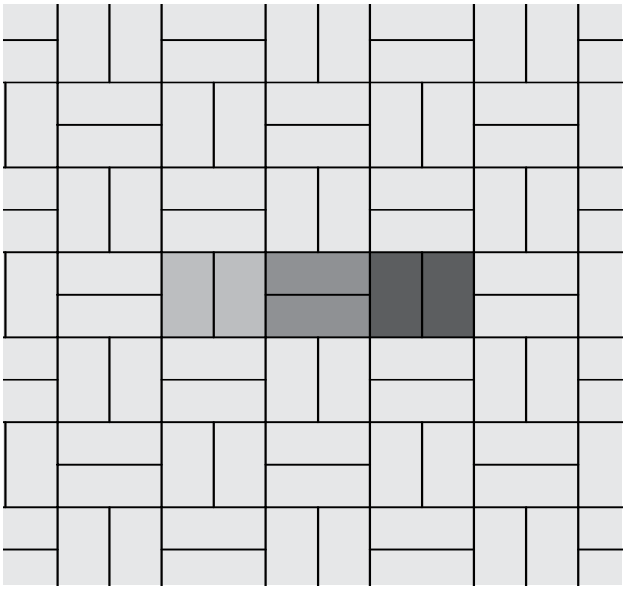
100% - 4 x 8

1-PIECE HERRINGBONE PATTERN



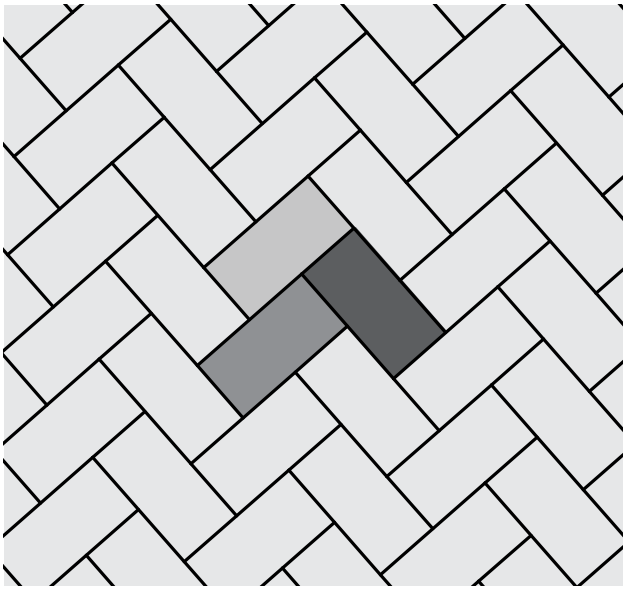
100% - 4 x 8

1-PIECE BASKET WEAVE PATTERN



100% - 4 x 8

45° HERRINGBONE PATTERN



100% - 4 x 8

MEGA CAMBRIDGE™

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	✓				

SHAPES & SIZES

3-Piece | 30mm*

6 x 9 x 1 3/16

9 x 9 x 1 3/16

9 x 12 x 1 3/16

3-Piece | 60mm

6 x 9 x 2 3/8

9 x 9 x 2 3/8

9 x 12 x 2 3/8

**Vehicular use only approved with use of DriBond™*

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
3-PIECE | 30MM*							
6 X 9 X 1 3/16 9 X 9 X 1 3/16 9 X 12 X 1 3/16	136	11.4	12	240	20	–	1904
3-PIECE | 60MM							
6 X 9 X 2 3/8 9 X 9 X 2 3/8 9 X 12 X 2 3/8	104	8.53	12	180	15	–	2808

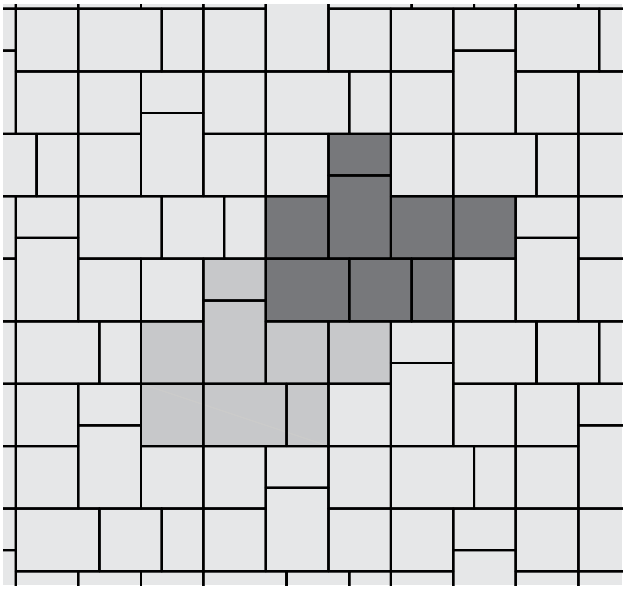
MEGA CAMBRIDGE™

NOTES:
AutoCAD® hatch pattern files can be downloaded from belgard.com for use in architectural drawings.

Some patterns may not necessarily reflect the percentages of stone sizes within a particular pallet. In some cases you may have extras in one or more of the sizes. This must be accounted for in your planning and design.

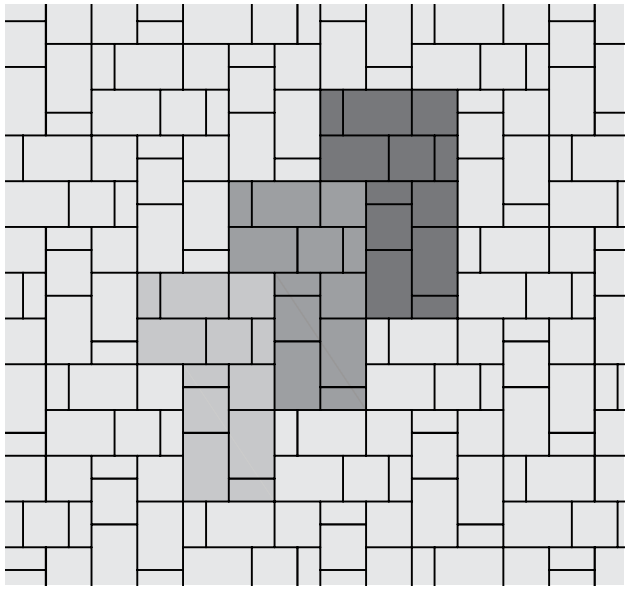
Percentages are based on area by paver.

3-PIECE PATTERN A



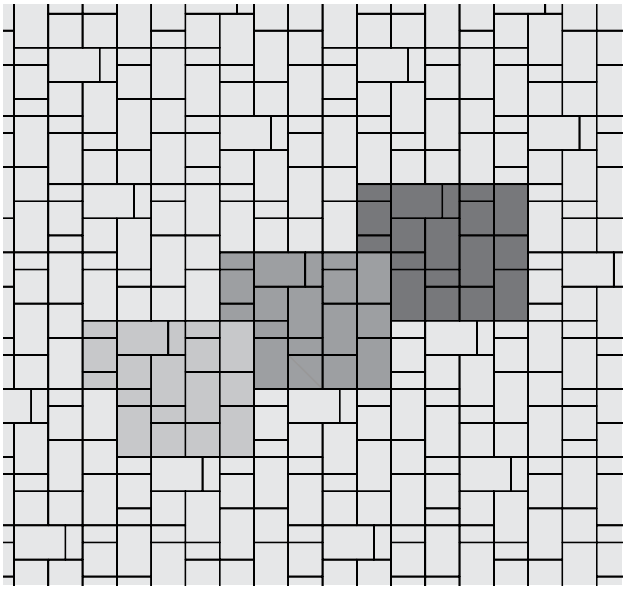
17% - 6 x 9 I 50% - 9 x 9 I 33% - 9 x 12

3-PIECE PATTERN B



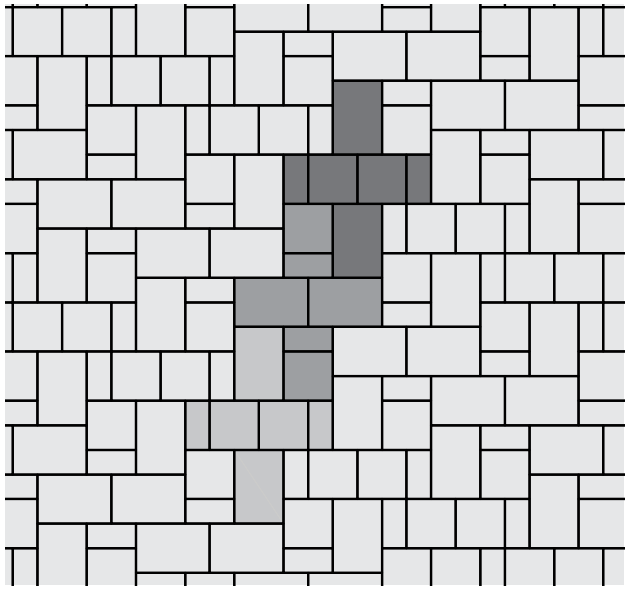
17% - 6 x 9 I 50% - 9 x 9 I 33% - 9 x 12

3-PIECE PATTERN C



17% - 6 x 9 I 50% - 9 x 9 I 33% - 9 x 12

3-PIECE I PATTERN



17% - 6 x 9 I 50% - 9 x 9 I 33% - 9 x 12

MELVILLE™ PLANK

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓				✓	

SHAPES & SIZES

3-Piece | 60mm

5 x 11¾ x 2⅜

5 x 15¾ x 2⅜

5 x 19¾ x 2⅜

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
3-PIECE | 60MM							
5 X 11¾ X 2⅜ 5 X 15¾ X 2⅜ 5 X 19¾ X 2⅜	114.53	11.45	10	210	–	–	2920

MEVILLE™ PLANK

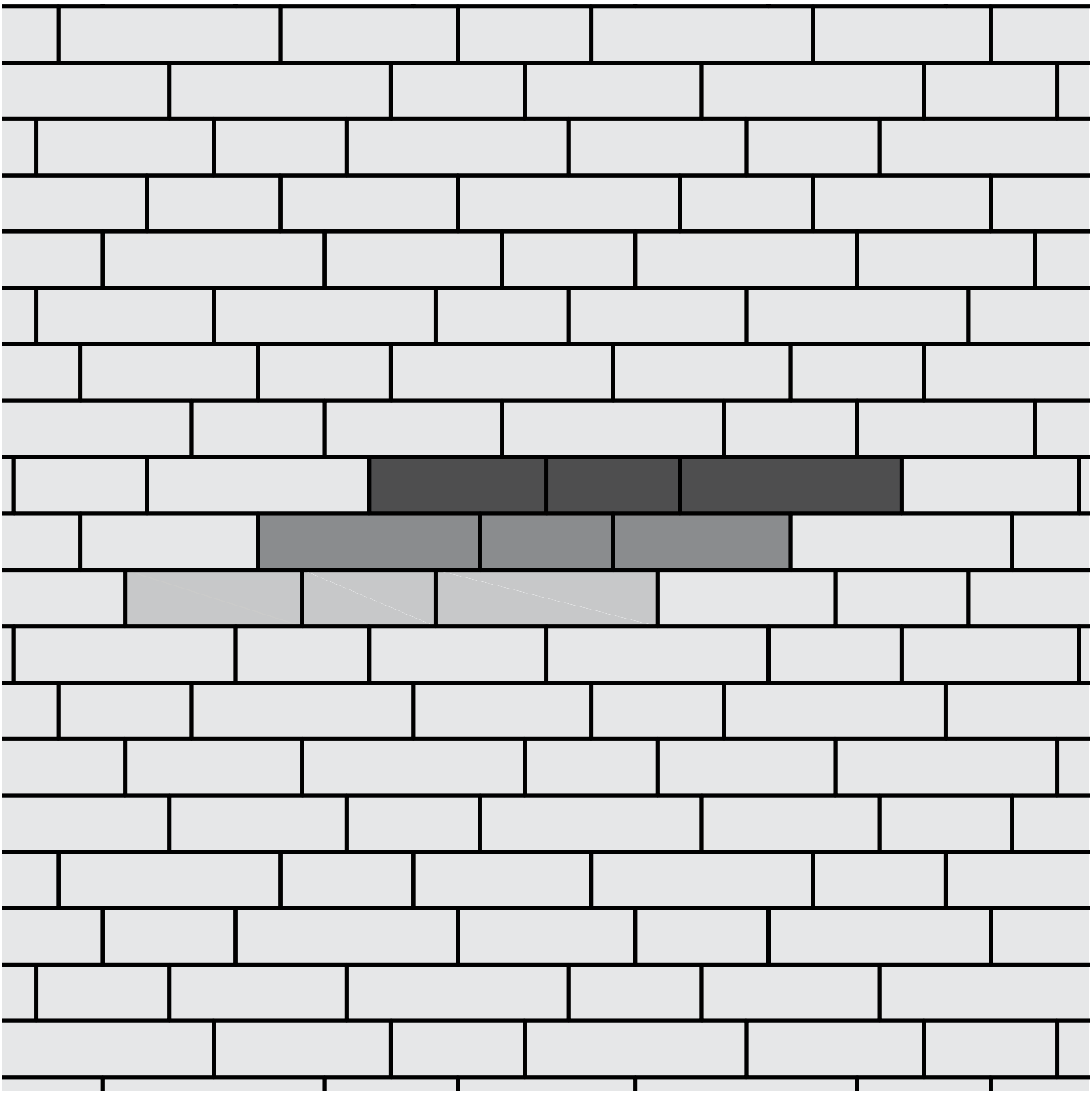
3-PIECE RUNNING BOND

NOTES:
AutoCAD® hatch pattern files can be downloaded from belgard.com for use in architectural drawings.

Some patterns may not necessarily reflect the percentages of stone sizes within a particular pallet. In some cases you may have extras in one or more of the sizes. This must be accounted for in your planning and design.

Percentages are based on area by paver.

25% 5 x 11 13/16
33% 5 x 15 3/4
42% 5 x 19 11/16



OCEANSIDE

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	60MM			✓	

SHAPES & SIZES

30mm*

4 x 8 I 30mm

4 x 8 x 1 3/16

12 x 12 I 30mm

12 x 12 x 1 3/16

60mm

4 x 8 I 60mm

4 x 8 x 2 3/8

8 x 8 I 60mm

8 x 8 x 2 3/8

8 x 12 I 60mm **Vehicular use only approved with use of DriBond™*

8 x 12 x 2 3/8

12 x 12 I 60mm

12 x 12 x 2 3/8

16 x 16 I 60mm **Not intended for vehicular use.*

16 x 16 x 2 3/8

OCEANSIDE

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
4 X 8 | 30MM*							
4 X 8 X 1 3/16	145	–	18	648	–	–	2275
12 X 12 | 30MM*							
12 X 12 X 1 3/16	192	–	24	192	–	–	2980
4 X 8 | 60MM							
4 X 8 X 2 3/8	96	–	12	432	–	–	2596
8 X 8 | 60MM							
8 X 8 X 2 3/8	96	–	12	216	–	–	2596
8 X 12 | 60MM							
8 X 12 X 2 3/8	96	–	12	144	–	–	2596
12 X 12 | 60MM							
12 X 12 X 2 3/8	96	–	12	96	–	–	2596
16 X 16 | 60MM							
16 X 16 X 2 3/8	107	–	10	60	–	–	2882

NOTES:
AutoCAD® hatch pattern files can be downloaded from belgard.com for use in architectural drawings.

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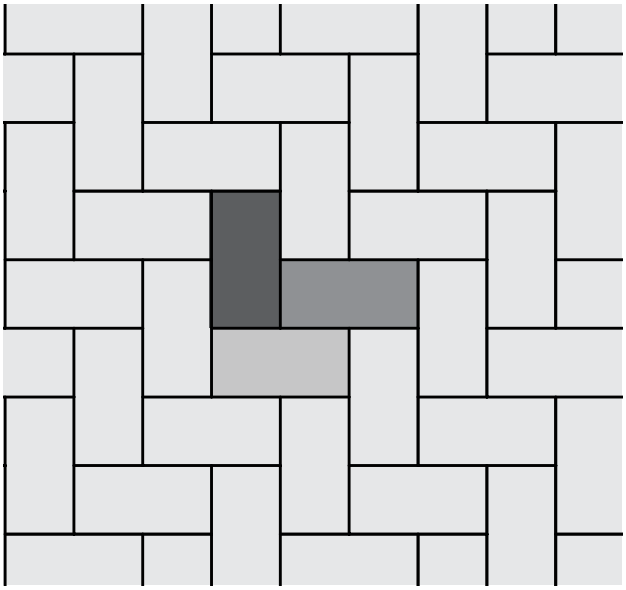
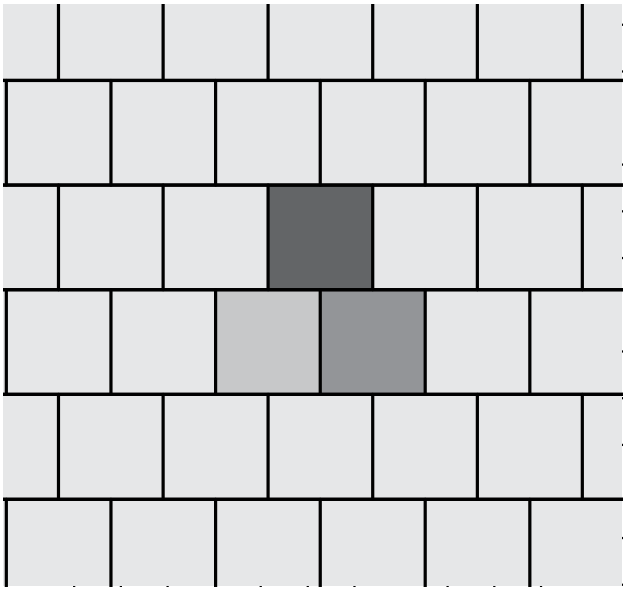
Percentages are based on area by paver.

1-PIECE HERRINGBONE



100% - 4 x 8

1-PIECE RUNNING BOND



100% - 8 x 8 Squares OR 100% - 12 x 12 Squares
OR 100% - 16 x 16 Squares

ORIGINS™ 18

NATURAL COLLECTION

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓				✓	✓

SHAPES & SIZES

Origins 18 | 3-Piece | 60mm

9 x 18 x 2⅜

18 x 18 x 2⅜

18 x 27 x 2⅜

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
ORIGINS 18 | 3-PIECE | 60MM							
9 X 18 X 2⅜	22.5	2.25	–	20	–	–	–
18 X 18 X 2⅜	22.5	2.25	–	10	–	–	–
18 X 27 X 2⅜	67.5	6.75	–	20	–	–	–
TOTAL	112.5	11.25	10	50	–	–	3516

ORIGINS™ 18

NOTES:
AutoCAD® hatch pattern files can be downloaded from belgard.com for use in architectural drawings.

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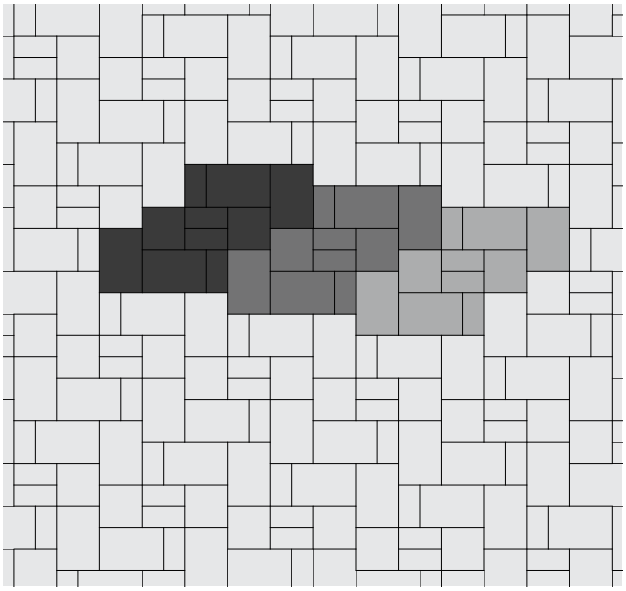
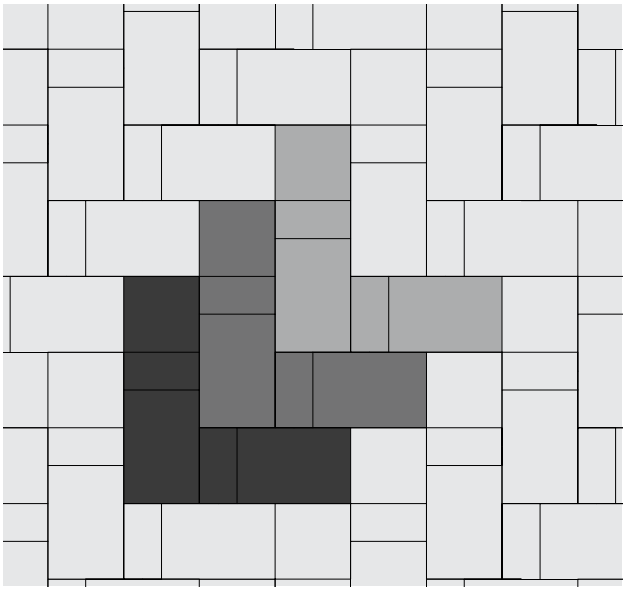
Percentages are based on area by paver.

3-PIECE LARGE PATTERN A



3-PIECE LARGE PATTERN B



PAPYRUS™

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓				✓	✓

SHAPES & SIZES

3-Piece

9 x 18 x 2⅜

18 x 18 x 2⅜

18 x 27 x 2⅜

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	SQFT/ UNIT	WEIGHT/ PALLET	LNFT/PALLET (SOLDIER)	LNFT/PALLET (SAILOR)
3-PIECE									
9 X 18 X 2⅜ 18 X 18 X 2⅜ 18 X 27 X 2⅜	112.5	11.25	10	50	5	–	3038	–	82.5

PAPYRUS™

3-PIECE

NOTES:
AutoCAD® hatch pattern files can be downloaded from belgard.com for use in architectural drawings

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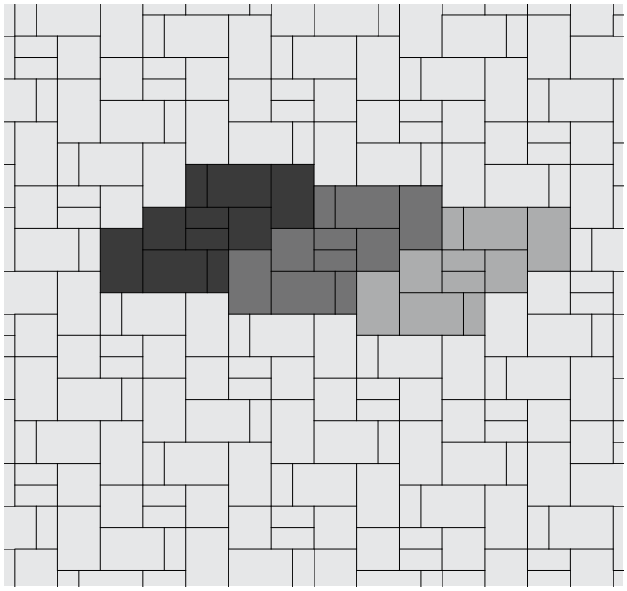
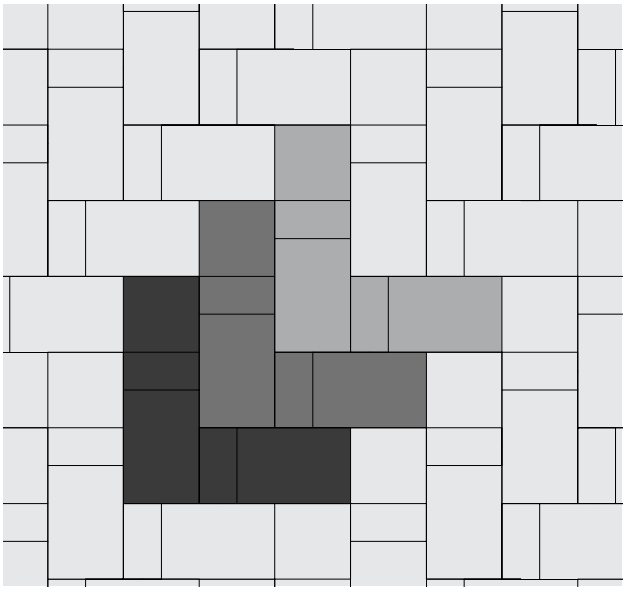
Percentages are based on area by paver.

3-PIECE LARGE PATTERN A



3-PIECE LARGE PATTERN B



PERMEABLE PAVERS

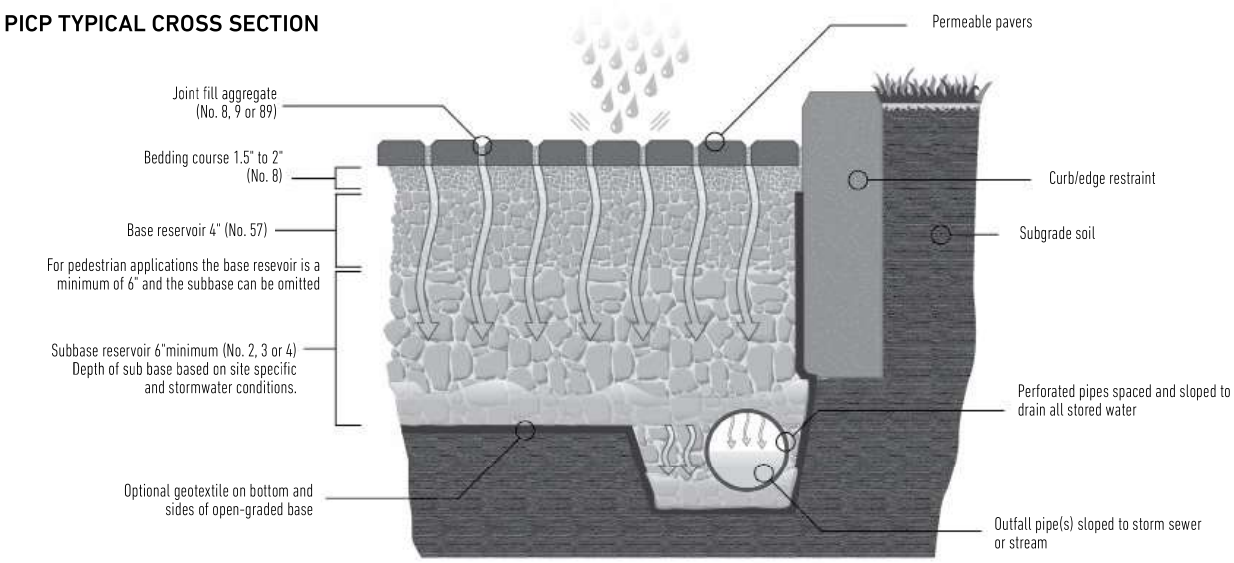
PERMEABLE PAVER INSTALLATION GUIDE

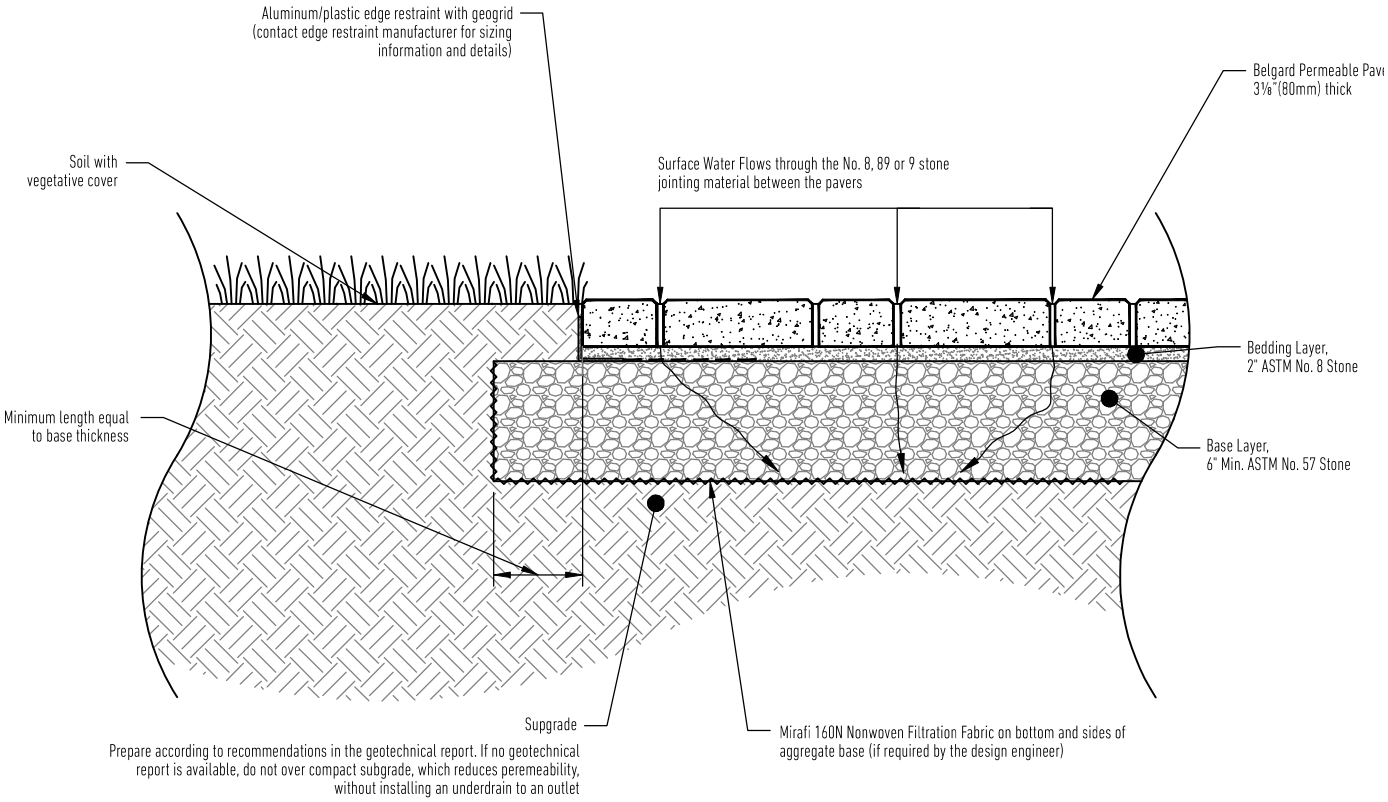
PERMEABLE PAVERS

For basic paver installation information visit masonryandhardscapes.org

PERMEABLE INTERLOCKING CONCRETE PAVEMENT (PICP)

PICP TYPICAL CROSS SECTION





Design Notes:
1. Cross section as shown is suitable for pedestrian applications and residential driveways, patios, and sidewalks.
2. Depth of aggregate base subject to site specific conditions (soil conditions, groundwater levels, climatic conditions). Contact local Belgard sales representative.
3. Drain pipes may be required within the aggregate base depending on the permeability of the subgrade soils. Verify drainage needs with the geotechnical engineer. Ensure drain pipes are able to daylight via gravity flow to surface, or connect to catch basin.

AQUALINE™ SERIES

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	✓	✓	✓	✓	

SHAPES & SIZES

80mm

4½ x 9 x 3⅛

3-Piece Ashlar I 80mm

4½ x 4½ x 3⅛

4½ x 9 x 3⅛

9 x 9 x 3⅛

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
80MM							
FP, JAX, ORL, LA	47.21	5.901	–	168	21	3.56	–
3-PIECE ASHLAR I 80MM							
FP, JAX, ORL, LA	92	–	–	–	–	–	3220

AQUALINE™ SERIES

3-PIECE BOX PATTERN

14% 4½ x 4½
29% 4½ x 9
57% 9 x 9

NOTES:
AutoCAD® hatch pattern files can be downloaded from belgard.com for use in architectural drawings

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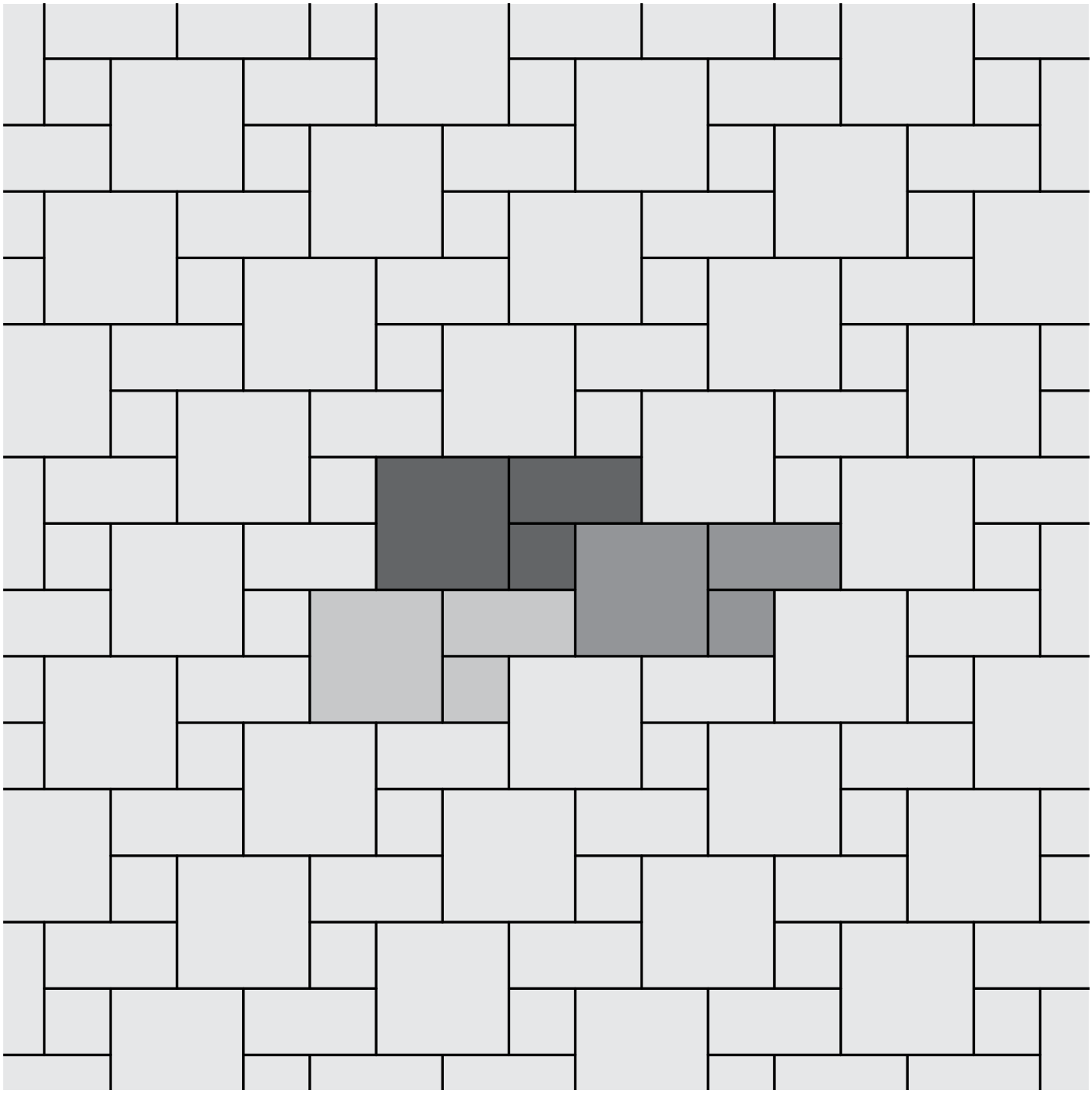
Percentages are based on area by paver.



TURFSTONE™

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	✓		✓		

SHAPES & SIZES

1-Piece | 80mm

15¾ x 23⅝ x 3⅛

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
1-PIECE | 80MM							
15¾ X 23⅝ X 3⅛	133	12.8	10	67	5	.39	2833

TURFSTONE™

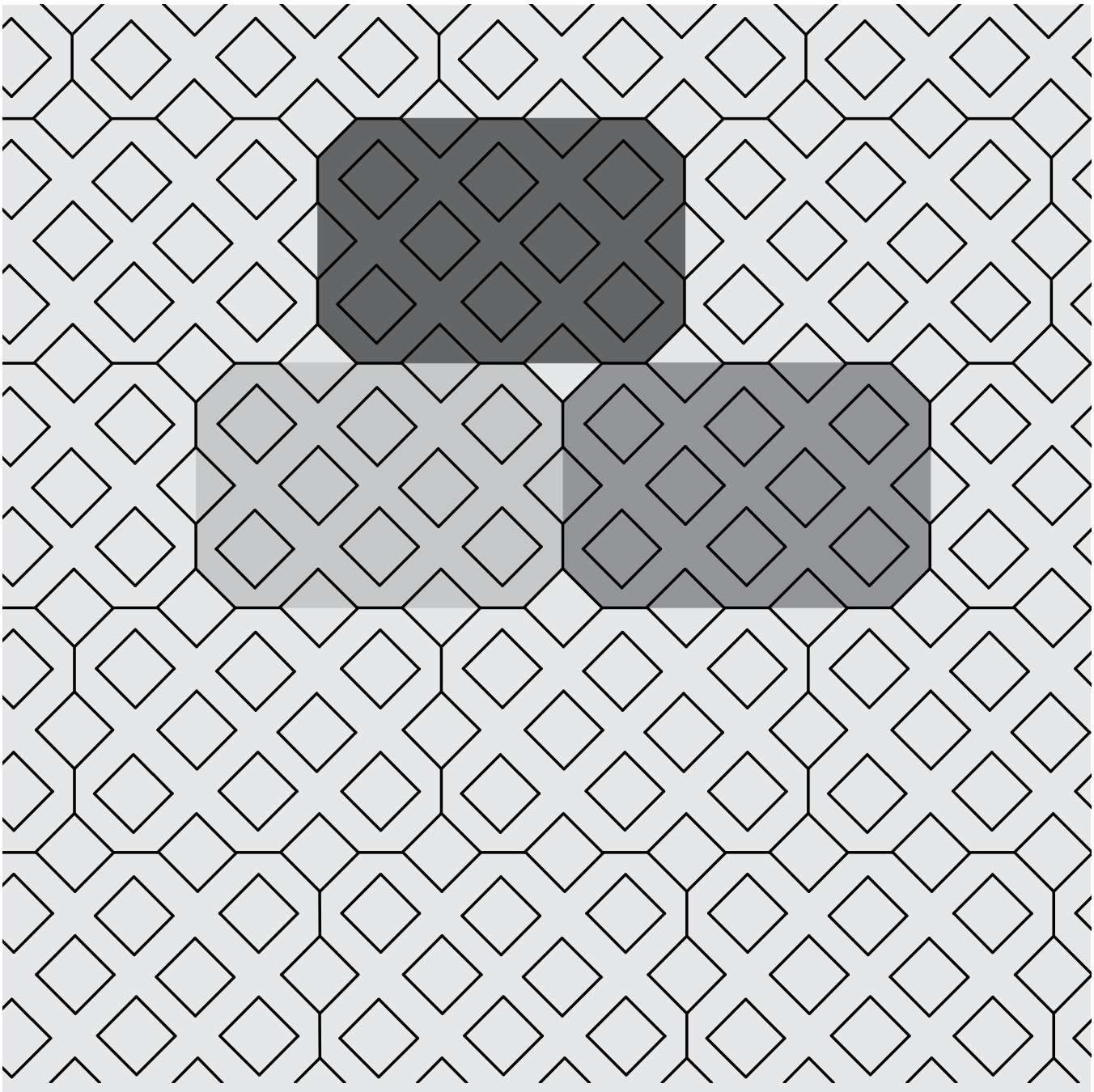
1-PIECE STAGGERED RUNNING BOND PATTERN

100% 15¾ x 23⅝

NOTES:
AutoCAD® hatch pattern files can be downloaded from belgard.com for use in architectural drawings

Some patterns may not necessarily reflect the percentages of stone sizes within a particular pallet. In some cases you may have extras in one or more of the sizes. This must be accounted for in your planning and design.

Percentages are based on area by paver.



PORCELAIN PAVERS & PLANKS

PORCELAIN INSTALLATION GUIDE

PORCELAIN PAVERS & PLANKS

For basic paver installation information visit masonryandhardscapes.org

PORCELAIN PAVERS

Belgard Porcelain Pavers are formed by pressing, followed by vitrification: this process involves the total fusion into a single material made from natural raw materials (sand, quartz, feldspars, kaolin, clays and inorganic pigments) which, fired at temperatures above 1226.67° C (2240° F), are transformed into a product with exceptional hardness, ultra-low absorption rate and unmatchable mechanical characteristics. Belgard porcelain pavers are eco-compatible and ecolabel-certified. Each unit is 20mm (0.7874") standard thickness or ¾" nominal thickness and is durable enough to withstand use in exterior applications.

PORCELAIN PAVERS ADVANTAGES:

- Freeze thaw resistant—They are 100% frost-free and their properties remain unaltered at temperatures ranging from -51.1° to + 60° C (-60° F to +140°F).
- Color durability—Color is fused by vitrification, becomes an integral part of the porcelain surface and is not affected by elements.
- Easy installation—Perfect fit and for fast installs.
- Low absorption rate—Spills, salt and other materials will not seep into pours.
- Easy to clean—Household cleaners can be used to wipe down spills and dirt; can even be pressure washed with a low pressure washing device* (see pressure washing warning below).*
- Stylish—Matches what homeowners are currently doing inside the home.
- Durable—High breakage loads of up to 3,587 lbs (1,627 kg) per foot based on ASTM-C648.
- Resistant— High compressive strength and ultra-low absorption rate creates a dense surface that resists mold, moss, dirt and other staining.
- Skid-resistant—Structured paver top textures create slip resistant surfaces for safety; perfect for around pools/spas or in wet climates.
- Modular Design—Superior accuracy in dimensional sizing and linear sides, the slabs allow for perfectly executed installations with tight and accurate lines.
- Light weight—16.8 kg (37 lbs) for the 24"x24" paver permit for easy installation, removal and serviceability and even reusability (Excluding adhered installations).
- Available in colors that have an SRI that qualifies for a LEED certification. The SRI on some units ranges between 60-80. To receive LEED credit, the SRI must be at least 29.
- Impermeable— Deicing salt and other deicing materials can be used without concern of damage.

* It is important that all pressure washing of your porcelain pavers be done with a low pressure washer with a maximum of 1600 psi and nothing more powerful. When pressure washing your installation, care should be taken to prevent damage to the grout (adhesive and grout installations) and some re-sanding will be necessary when power washing an installation with sand or polymeric sand joints.

SPECIALTY TOOLS FOR PORCELAIN PAVER CONSTRUCTION:

- Wet cut tile saw equipped with a diamond blade manufactured for wet cutting porcelain. The saw should be designed to safely cut a 24 inch length porcelain paver.
- A paver clamp for easy handling, which can be used to both install and remove pavers.
- The use of gloves is highly recommended while handling and installing porcelain slabs.
- Appropriate notched trowels and grout float tools for cementitious adhesive and grout installation. The appropriate tool selection would be based on the adhesive and grout manufacturer's recommendation
- Pallets of porcelain pavers are manufactured and shipped with a Heavy Duty plastic protective pallet cover and the individual porcelain pavers are packaged in protective card board boxes. To prevent damage to your pavers, do not remove the protective card board boxes until you are ready to install them.
- Caution: Removing pavers from their protective packaging and handling multiple loose stones together creates the possibility for chipping.

Once the Heavy Duty plastic pallet covers have been removed from the pallet, the unused boxed pavers should be protected from the elements to insure the integrity of the protective cardboard boxes.

CLEANING & MAINTENANCE FOR PORCELAIN PRODUCTS

Post-laying cleaning is obligatory after on site works. Inadequate or late removal of the grouting used on the joints can leave marks difficult to remove and create, on the flooring, a cement film able to absorb all types of dirt, thus giving the impression that it is the material that has become dirty.

It is indispensable to dissolve and remove these residues completely using buffered acids diluted in water (follow the instructions on the packs of the products used), which must then be removed completely and quickly, rinsing the floor with plenty of water to avoid residues or drops on the floor which could damage the tiles.

Allow the product to act on the wet floor, without letting it dry and rubbing it with colorless rags. Next, rinse it thoroughly with water to ensure that the floor is free of detergent residues. If necessary, repeat the operation.

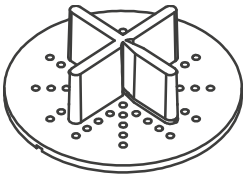
We suggest performing a preliminary wash on a sample surface of a few square meters; if the test is successful, extend clearing over the entire surface. When you have done the above wash, carry out a basic or alkaline wash using degreasing detergents. This is because acid can leave grease on the floor, which could contribute to retaining dirt.

PORCELAIN PAVER INSTALLATION

Each of the following option details will include specific information relative to the selected installation. Base thicknesses vary between different geographical and climatic locations and the contractor will be installing typical base thicknesses for paving installations in their location.

Installing porcelain pavers requires the bedding course sand to be pre-compacted and then struck off with a screed to the required thickness as shown in the detail drawings. The porcelain pavers are not compacted and therefore the sand layer beneath them requires pre-compaction. Do not compact dry sand, but insure the sand has a 5 to 6% moisture content so that it will compact cohesively and allow for a smooth strike off finish.

INSTALLATION INFORMATION THAT MUST BE FOLLOWED:

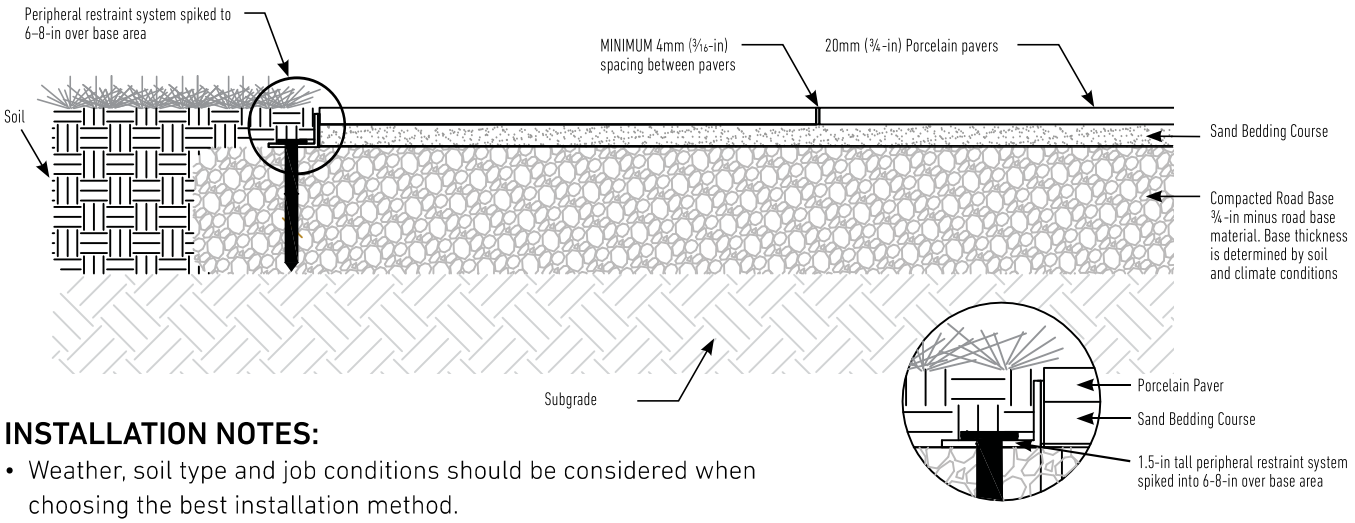


4mm spacers

- Weather, soil type and job conditions should be considered when choosing the best installation method.
- When installing porcelain planks (12 x 48, 8 x 48) always lay the pattern of the ⅓s. These should not be placed next to each other at 50%
- NEVER compact porcelain pavers with a plate compactor. Roller compactor recommended for all compaction with porcelain products
- ALWAYS pre-compact and strike off your sand leveling course before installing your porcelain pavers in sand set installations.
- A proper surface drainage system is required to mitigate standing water. Please consider that Belgard Porcelain Paves are impervious, therefore water must be properly discharged and drained away from the pavement.
- Porcelain pavers should only be wet cut with a tile saw equipped with a wet cut porcelain blade.

- NEVER install porcelain pavers without the required 4mm spacing between them. The porcelain pavers should never be installed with a porcelain to porcelain contact. Plastic 4mm spacers (shown at right) should be used on Sand Set and Permeable installations. The photo on the left illustrates the spacer installed in a perspective to support and space 4 paver corners and the photo on the right illustrates the installed spacer snapped apart (as designed) to form Space T that supports 2 paver corners. This versatility will permit your porcelain pavers to be installed in a stack bond pattern, a running bond patterns as well as a flush installation against another structure.
- For a 100 sf. project, approximately 34 spacers are needed; this allows for overages if needed.

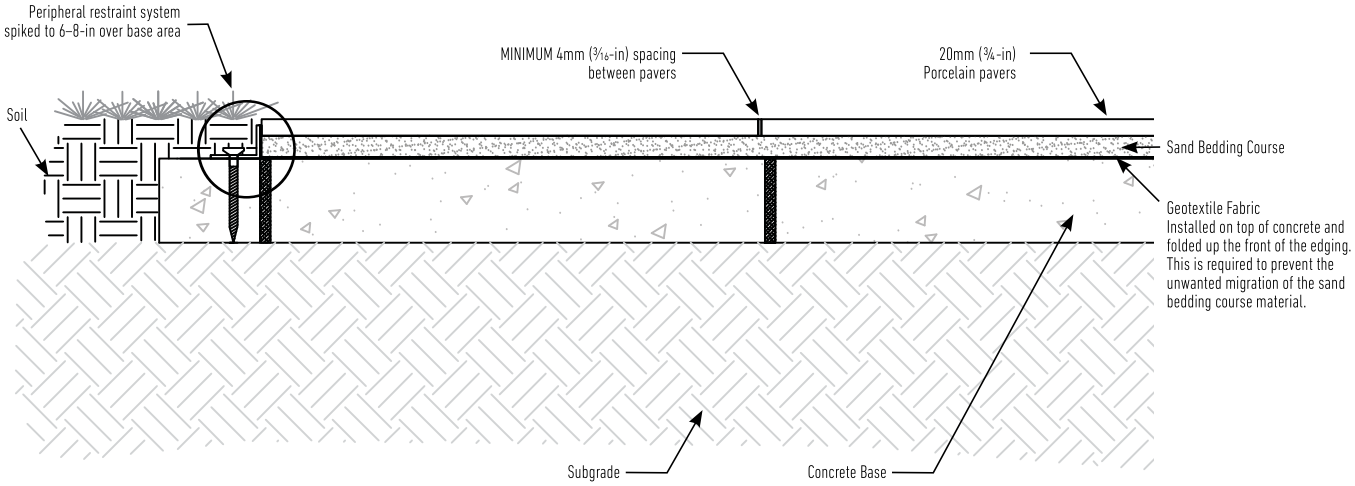
SAND SET OVER COMPACTED ROAD BASE INSTALLATION (PEDESTRIAN FOOT TRAFFIC)



INSTALLATION NOTES:

- Weather, soil type and job conditions should be considered when choosing the best installation method.
- Follow the detailed drawing above
- Base material is to be over based 6 to 8 inches beyond the edge of the pavement.
- Precompact the sand bedding course and screed to 1-in thickness with smooth surface
- The required edge restraint system is a low profile edge restraint with a vertical height of 1½-in as shown in the drawing.
- Insure that pavement is constructed with a 1 ½ to 2% slope that it is pitched away from any building.
- Insure the plastic 4mm spacers are installed at all corners of the installed pavers

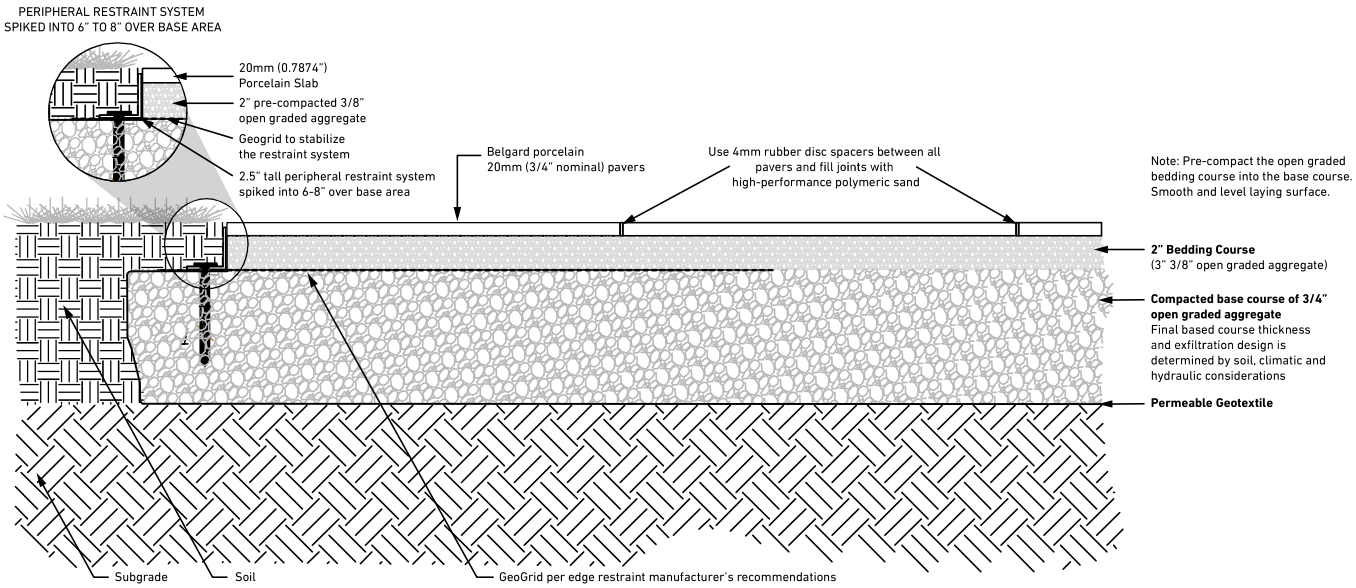
SAND SET OVER CONCRETE OVERLAY INSTALLATION (PEDESTRIAN FOOT TRAFFIC)



INSTALLATION NOTES:

- Weather, soil type and job conditions should be considered when choosing the best installation method.
- A concrete curve with a full depth and finished height is needed to ensure full containment of the bedding sand and the Belgard Porcelain Pavers.
- Precompact the sand bedding course and screed to 1-in thickness with smooth surface
- Mechanically anchor edge restraint into the concrete base.
- Insure geotextile is installed directly on top of the concrete to contain the bedding sand.
- Insure that pavement is constructed with a 1½ to 2 percent slope and that it is pitched away from any building.
- Insure the plastic 4mm spacers are installed at all corners of the installed pavers.

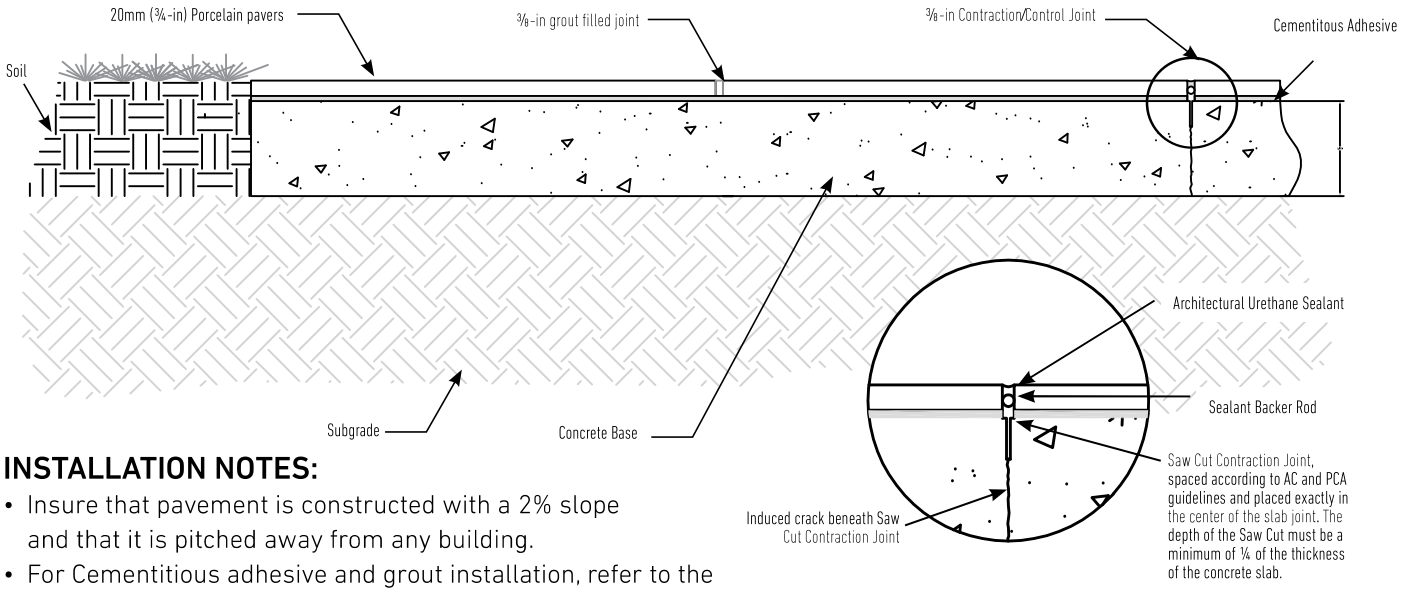
GRAVEL SET OVER OPEN GRADED AGGREGATE INSTALLATION



INSTALLATION NOTES:

- Weather, soil type and job conditions should be considered when choosing the best installation method. Follow the detail drawing.
- The required edge restraint system for this installation has a vertical height of 2½ inches as shown in the drawing. Follow the edge restraint manufacturer's recommendations for the use of their product in permeable applications regarding geogrid usage and placement to maintain the performance of there edging.
- Ensure that pavement is constructed with a 2% slope and that it is pitched away from any building.
- Ensure the 4mm spacers are installed between all pavers.
- The open-graded aggregate should be clean and free from foreign matter, manufactured from crushed rock and conform to ASTM C33 size No. 57. Do not use recycled aggregates or rounded river gravel.
- Additional Drainage: If the project has fine-grained soils, silts or clays, and contributing water sources such as downspouts or groundwater, it is important to install a perforated pipe underdrain to prevent saturation of the subgrade. Make sure underdrain has an acceptable discharge location.
- When installing porcelain planks (12 x 48 & 8 x 48), always lay the pattern of 1/3's. These should not be placed next to each other at 50%.
- Roller Compactor recommended for all compaction with Porcelain products

CEMENTITIOUS ADHESIVE OVERLAY, CONCRETE BASE INSTALLATION (LIGHT VEHICULAR TRAFFIC)



INSTALLATION NOTES:

- Insure that pavement is constructed with a 2% slope and that it is pitched away from any building.
- For Cementitious adhesive and grout installation, refer to the manufacturer's technical instructions and specifically as they relate to outdoor installations.
- For concrete foundation slabs that are not large enough to require contraction / control joints, a minimum 4mm (⅛" to 3/16") grout joint is acceptable, but for larger concrete foundation slabs that do require contraction / control joints, the joint width should be a ⅜". It is absolutely imperative that all contraction / control joints be located in the joint line of installed porcelain pavers and not beneath a paver.
- Caution: If a Porcelain Paver is installed over a control joint, the paver will reflectively crack along the contraction / control joint beneath it.

ARDESIE

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	✓			✓	

**Porcelain must be installed per manufacturer's recommendation on concrete and concrete must be designed by an engineer to support the traffic load that will be imposed.*

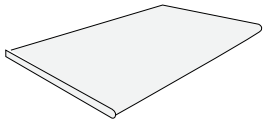
**Only available for the 24 x 24 size.*

SHAPES & SIZES

24 x 24

23.54 x 23.54 x ¾

Unico



12.99 x 23.54 x ¾

UNIT	GROSS WEIGHT / BOX	PIECES / BOX	SQ FT / BOX	BOXES / FULL PALLET	SQ FT / PALLET	GROSS WEIGHT / PALLET
24 X 24						
23.54 X 23.54 X ¾	72	2	7.75	30	232.5	2160 LBS
UNICO						
12.99 X 23.54 X ¾	52	3	6	40	240	2080 LBS

ELYSIAN TRAVERTINI

PORCELAIN COLLECTION

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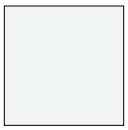
Spacers are recommended for all porcelain paver installations.
*PLEASE NOTE: For vehicular applications, must be a mortar install over a concrete slab. Please refer to the MIRAGE install guide for driveway install procedure.

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	✓				

SHAPES & SIZES

32 x 32



31.42 x 31.42 x ¾

24 x 48

23.54 x 47.17 x ¾

UNIT	SQFT/ PALLET	PCS/ BOX	SQFT/ BOX	BOXES/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
			32 X 32				
31.42 X 31.42 X ¾	289.33	1	6.89	42	–	–	2751
			24 X 48				
23.54 X 47.17 X ¾	271.25	1	7.75	35	–	–	2621

FOUNDATION

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	✓			✓	

**Only available for the 24 x 24 size.*

SHAPES & SIZES

24 x 24

23.54 x 23.54 x ¾

UNIT	SQFT/ PALLET	SQFT/ BOX	BOXES/ PALLET	UNITS / BOX	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
			24 X 24				
23.54 X 23.54 X ¾	275.04	7.64	36	2	–	–	2533.8

ALLOW FOR ADDITIONAL LEAD–TIME

GENOA™

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	✓*			✓	

**Only available for the 24 x 24 size.*

SHAPES & SIZES

12 x 24

11.73 x 23.54 x ¾

24 x 24

23.54 x 47.17 x ¾

UNIT	GROSS WEIGHT / BOX	PIECES / BOX	SQ FT / BOX	BOXES / FULL PALLET	SQ FT / PALLET	GROSS WEIGHT / PALLET
			12 X 24			
11.73 X 23.54 X ¾	68.23 LBS	4	7.59	40	303.6	2807 LBS
			24 X 24			
23.54 X 23.54 X ¾	67.84 LBS	2	7.64	36	275.04	2533.8 LBS

ALLOW FOR ADDITIONAL LEAD–TIME

GLOCAL

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	✓*			✓	

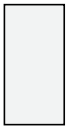
*Only available for the 24 x 24 size.

SHAPES & SIZES

24 x 24

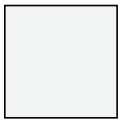
23.54 x 23.54 x ¾

24 x 48



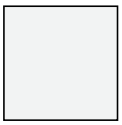
23.54 x 47.17 x ¾

36 x 36



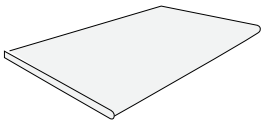
35.35 x 35.35 x ¾

48 x 48



47.17 x 47.17 x ¾

Unico



12.99 x 23.54 x ¾

UNIT	GROSS WEIGHT / BOX	PIECES / BOX	SQ FT / BOX	BOXES / FULL PALLET	SQ FT / PALLET	GROSS WEIGHT / PALLET
GLOCAL						
23.54 X 23.54 X ¾	72 LBS	2	7.75	30	232.5	2160 LBS
23.54 X 47.17 X ¾	74 LBS	1	7.75	35	271.25	2621 LBS
35.35 X 35.35 X ¾	82.89 LBS	1	8.7	18	156.6	1525 LBS
47.17 X 47.17 X ¾	148.5 LBS	1	15.5	18	279	2774.2 LBS
UNICO						
12.99 X 23.54 X ¾	57 LBS	3	5.89	40	240	2080 LBS

ALLOW FOR ADDITIONAL LEAD–TIME

LAGOON

Scan for additional product information

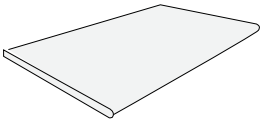
PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓				✓	

SHAPES & SIZES

24 x 48

23.54 x 47.17 x ¾

Unico



12.99 x 23.54 x ¾

UNIT	GROSS WEIGHT / BOX	PIECES / BOX	SQ FT / BOX	BOXES / FULL PALLET	SQ FT / PALLET	GROSS WEIGHT / PALLET
24 X 48						
23.54 X 47.17 X ¾	74 LBS	1	7.75	35	271.25	2621 LBS
UNICO						
12.99 X 23.54 X ¾	57 LBS	3	5.89	40	240	2080 LBS

NOON

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓				✓	

SHAPES & SIZES

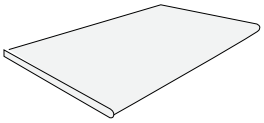
8 x 48

7.64 x 47.17 x ¾

12 x 48

11.73 x 47.17 x ¾

Unico



12.99 x 23.54 x ¾

UNIT	GROSS WEIGHT / BOX	PIECES / BOX	SQ FT / BOX	BOXES / FULL PALLET	SQ FT / PALLET	GROSS WEIGHT / PALLET
NOON						
7.64 X 47.17 X ¾	46 LBS	2	5.06	30	151.8	1380 LBS
11.73 X 47.17 X ¾	74 LBS	2	7.75	36	279	2664 LBS
UNICO						
12.99 X 23.54 X ¾	57 LBS	3	5.89	40	240	2080 LBS

ALLOW FOR ADDITIONAL LEAD–TIME

NORR

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	✓*			✓	

**Only available for the 24 x 24 size.*

SHAPES & SIZES

24 x 24

23.54 x 23.54 x ¾

36 x 36

35.35 x 35.35 x ¾

UNIT	GROSS WEIGHT / BOX	PIECES / BOX	SQ FT / BOX	BOXES / FULL PALLET	SQ FT / PALLET	GROSS WEIGHT / PALLET
			24 X 24			
23.54 X 23.54 X ¾	72 LBS	2	7.75	30	232.5	2160 LBS
			36 X 36			
35.35 X 35.35 X ¾	82.89 LBS	1	8.7	18	156.94	1525 LBS

ALLOW FOR ADDITIONAL LEAD-TIME

OFFICINE

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	✓*			✓	

*Only available for the 24 x 24 size.

SHAPES & SIZES

24 x 24

23.54 x 23.54 x ¾

36 x 36

35.51 x 35.51 x ¾

UNIT	GROSS WEIGHT / BOX	PIECES / BOX	SQ FT / BOX	BOXES / FULL PALLET	SQ FT / PALLET	GROSS WEIGHT / PALLET
			24 X 24			
23.54 X 23.54 X ¾	72 LBS	2	7.75	30	232.5	2160 LBS
			36 X 36			
35.51 X 35.51 X ¾	82.89 LBS	1	8.7	18	156.94	1525 LBS

ALLOW FOR ADDITIONAL LEAD–TIME

QUARZITI 2.0

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	✓*			✓	

**Only available for the 24 x 24 size.*

SHAPES & SIZES

12 x 24

11.73 x 23.54 x ¾

24 x 24

23.54 x 23.54 x ¾

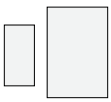
24 x 48

23.54 x 47.17 x ¾

Special Order 18 x 36

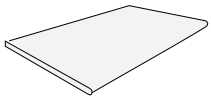
17.64 x 35.35 x ¾

Special Order Modular (Sold as a pair)



11.73 x 23.54 x ¾
23.54 x 35.35 x ¾

Unico



12.99 x 23.54 x ¾

MIRAGE®
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QUARZITI 2.0

UNIT	GROSS WEIGHT / BOX	PIECES / BOX	SQ FT / BOX	BOXES / FULL PALLET	SQ FT / PALLET	GROSS WEIGHT / PALLET
QUARZITI						
17.64 X 23.54 X ¾	73.3 LBS	2	–	27	234.9	2235 LBS
23.54 X 23.54 X ¾	72 LBS	2	7.75	30	232.5	2160 LBS
23.54 X 47.17 X ¾	74.8 LBS	1	7.75	35	271.25	2621 LBS
2-PIECE						
23.54 X 35.35 X ¾	72 LBS	2	7.75	36	279	2592 LBS
11.73 X 23.54						
UNICO						
12.99 X 23.54 X ¾	57 LBS	3	5.89	40	235.4	2450 LBS

ALLOW FOR ADDITIONAL LEAD–TIME

RAIL

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓				✓	

SHAPES & SIZES

12 x 48

11.73 x 47.17 x ¾

UNIT	GROSS WEIGHT / BOX	PIECES / BOX	SQ FT / BOX	BOXES / FULL PALLET	SQ FT / PALLET	GROSS WEIGHT / PALLET
12 X 48						
11.73 X 47.17 X ¾	74 LBS	2	7.75	36	279	2664 LBS

ALLOW FOR ADDITIONAL LEAD–TIME

SILVERLAKE

Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	✓*			✓	

**Only available for the 24 x 24 size.*

SHAPES & SIZES

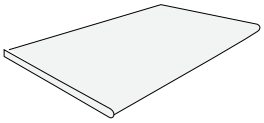
24 x 24

23.54 x 23.54 x ¾

24 x 48

23.54 x 47.17 x ¾

Unico



12.99 x 23.54 x ¾

UNIT	GROSS WEIGHT / BOX	PIECES / BOX	SQ FT / BOX	BOXES / FULL PALLET	SQ FT / PALLET	GROSS WEIGHT / PALLET
SILVERLAKE						
23.54 X 23.54 X ¾	72 LBS	2	7.75	30	232.5	2160 LBS
23.54 X 47.17 X ¾	74 LBS	1	7.75	35	271.25	2621 LBS
UNICO						
12.99 X 23.54 X ¾	57 LBS	3	5.89	40	240	2080 LBS

ALLOW FOR ADDITIONAL LEAD–TIME

VERONA™

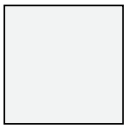
Scan for additional product information

PEDESTRIAN	LIGHT/REGULAR TRAFFIC	HEAVY TRAFFIC	PERMEABLE	ADA	DURAFUSION
✓	✓*			✓	

**Only available for the 24 x 24 size.*

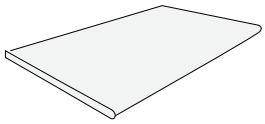
SHAPES & SIZES

24 x 24



23.54 x 23.54 x ¾

Unico



12.99 x 23.54 x ¾

UNIT	GROSS WEIGHT / BOX	PIECES / BOX	SQ FT / BOX	BOXES / FULL PALLET	SQ FT / PALLET	GROSS WEIGHT / PALLET
			24 X 24			
23.54 X 23.54 X ¾	72 LBS	2	7.75	30	232.5	2160 LBS
			UNICO			
12.99 X 23.54 X ¾	57 LBS	3	5.89	40	240	2080 LBS

ALLOW FOR ADDITIONAL LEAD–TIME

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WALLS

WALL INSTALLATION GUIDE

WALLS

For basic wall installation information visit masonryandhardscapes.org

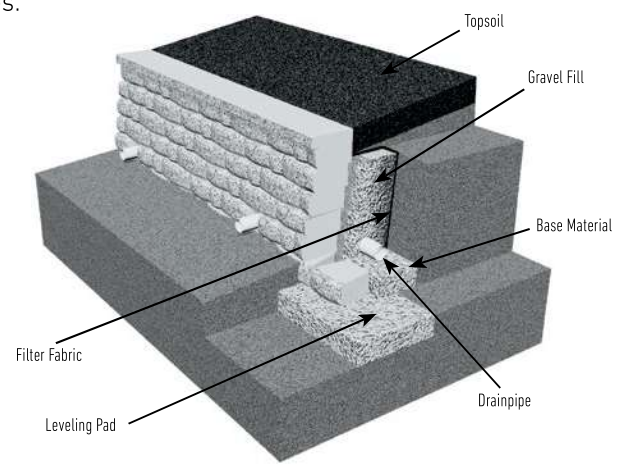
CHMA Segmental Retaining Wall Installation Guide

SEGMENTAL RETAINING WALL TYPES

Segmental retaining walls typically fall into one of three categories.

GRAVITY RETAINING WALL

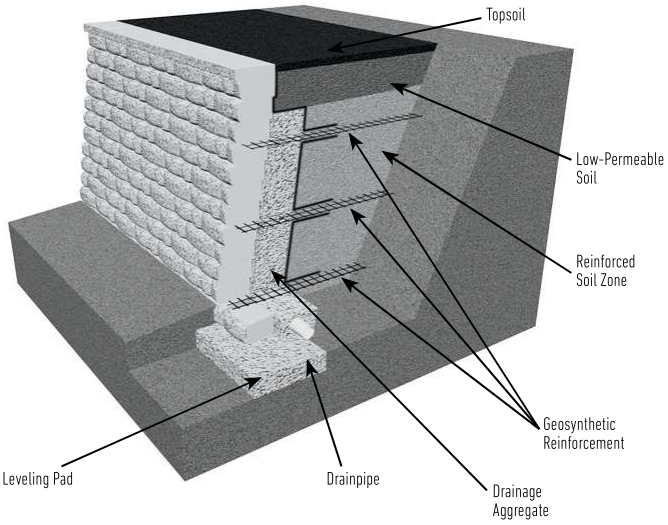
The first category — a gravity wall — is a retaining wall that does not use soil reinforcement. A gravity wall has height limitations specific to each product and project. An advantage of this type of retaining wall is that it requires a smaller work area behind the wall.
A gravity wall relies on the weight, depth and setback of the block to resist the soil forces being exerted on the wall.



GEOSYNTHETIC-REINFORCED RETAINING WALL

The second category is a geosynthetic-reinforced wall, which needs to be designed by a qualified engineer. There are (theoretically) no height limitations with reinforced retaining walls, and they are used in larger applications. It requires more work area behind the structure.

The block of soil is stabilized by introducing reinforcement layers into the soil mass behind the facing units. The larger the stabilized soil mass, the more soil can be retained or held back. The geogrid in the soil extends past the theoretical failure plane and serves to create a large, coherent gravity mass of block, geogrid, and soil, to resist the forces exerted by the retained soil.

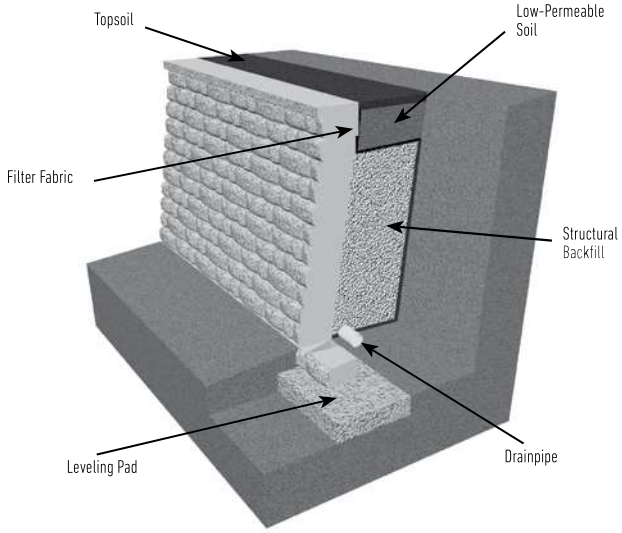


ANCHORPLEX® SYSTEM

The third category is the Anchorplex system, which offers a unique, non-conventional solution to problematic wall construction sites. It is a retaining wall built with Oldcastle™ products and structural backfill specified by ANCHOR Diamond®, and backed by engineering support tools developed by ANCHOR Diamond.

Use of the Anchorplex system eliminates the need for the geogrid and requires substantially less excavation that is usually necessary in geosynthetic-reinforced wall construction.

Contact ANCHOR Diamond at 1-877-295-5415 for more information about designing and building with the Anchorplex system.



BEFORE YOU BEGIN

Advance planning and careful layout at the job site help ensure a successful retaining and freestanding wall project.

- Review the site plan to confirm lot lines, wall location, length and elevations.
- Understand on-site soils. Ideal soils are sand and gravel. For walls built in clay or poor soils, work with a local engineer to confirm the wall design and the required soil reinforcement. Black or organic soils should not be used as backfill.
- Confirm the location of underground utilities. Call 811.
- Seek all necessary building permits.
- Prepare a drawing of the site with the wall location, lengths and elevations.
- Plan drainage to avoid erosion or buildup of water behind the wall. Consider where the water will drain through the wall, where downspouts will expel and whether there's an underground sprinkler. For walls greater than three feet in height, a perforated drainpipe is recommended at the base of the aggregate to quickly remove large amounts of water.
- A best practice is to divert water away from the wall before it has an opportunity to enter the reinforced soil and gravel fill zone.
- Check the block delivered to ensure it is the correct product and color. Check the geogrids to confirm that it's the strength and weight specified in the engineering plans.
- Be sure to use the right tools. Hand tools include a shovel, 4-foot level, dead-blow hammer, 2- or 3-pound hammer, chisel, hand tamper, hydraulic splitter and string line. Power tools may include a circular saw with a diamond blade and a plate compactor.
- Always wear protective eye wear.

For additional wall installation references go to Belgard.com.

BASIC INSTALLATION CONSTRUCTION GUIDE - RETAINING WALL

STAKE OUT THE WALL

- Have a surveyor stake out the wall's placement. Verify the locations with the project supervisor.

EXCAVATION

- Excavate for the leveling pad according to the lines and grades shown on the approved plans and excavate enough soil behind the wall for the geogrids material, if needed.
- The trench for the leveling pad should be at least 12 inches wider than the block you are installing and 6 inches below the bottom of the block. *See Diagram 1.*

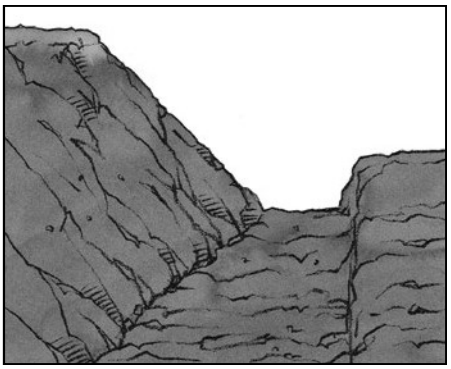


Diagram 1 – Excavation

LEVELING PAD

- An aggregate leveling pad is made of compactable base material of ¾-inch minus (with fines).
- The pad must extend at least 6 inches in front of and behind the first course of block and be at least 6 inches deep after compaction.
- If the planned grade along the wall front will change elevation, the leveling pad may be stepped up in increments of the block height to match the grade change. Start at the lowest level and work upward whenever possible.
- Compact the aggregate and make sure it's level front to back and side to side. *See Diagram 2.*

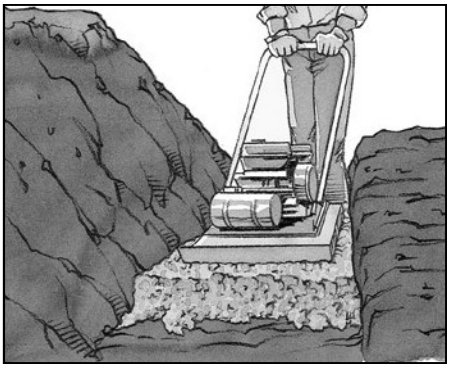


Diagram 2 – Leveling Pad

BASE COURSE

- This is the most important step in the installation process. Bury the base course of block a minimum of 6 inches or as shown on the plans.
- Begin laying block at the lowest elevation of the wall. Remove the rear lip (if applicable) of the block by hitting from the back so that it will lie flat on the leveling pad. *See Diagram 3.*
- Place first block and level, front to back and side to side; lay subsequent blocks in the same manner.
- Place the blocks side by side, flush against each other, and make sure they are in full contact with the leveling pad.
- If the wall is on an incline, don't slope the blocks; step them up so they remain consistently level.
- Use string line along the back edge of block to check for proper alignment.
- For multi-piece products, use the largest unit, 18 inches wide, for the base course.
- Fill cores (if applicable) and voids between blocks with ¾-inch free-draining aggregate prior to laying the next course of block. Clean any debris off the top of the blocks. *See Diagram 4.*
- Install any location devises, such as pins, prior to placing the second course of blocks."
- Install any location devices, such as pins, prior to placing the second course of blocks."

Diagram 3 – Base Course

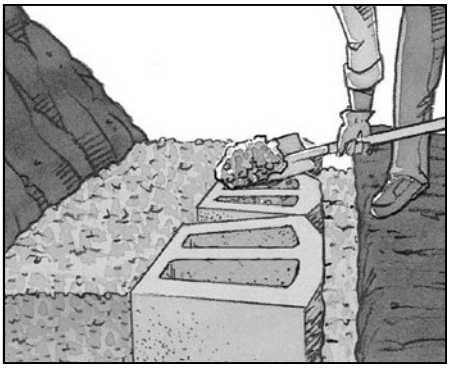


Diagram 4 – Core Fill

CONSTRUCTION OF SUBSEQUENT COURSES

- Clean any debris off the top of the blocks.
- Place the second course of blocks on top of the base course. Maintain running bond. Pull each block forward as far as possible to ensure the correct setback. *See Diagram 5.*
- Fill cores (if applicable) and voids between blocks with ¾-inch free-draining aggregate prior to laying the next course of block. Clean any debris off the top of the blocks.
- Backfill with ¾-inch free-draining aggregate directly behind the block, adding 6 inches at a time followed by proper compaction. Fill thickness will be dependent on compaction equipment
- Add retained soil behind the aggregate. Compact before the next course is laid.
- Don't drive heavy equipment near the wall. Self-propelled compaction equipment should not be used within 3 feet from the back of the wall
- Keep the wall bond by placing units in a staggered relationship to the course beneath.
- You may need partial units to stay on bond. A saw with a diamond blade is recommended for cutting partial units. Use safety glasses and other protective equipment when cutting.

Diagram 5 – Next Course Construction

DRAINAGE DESIGN

- Each project is unique. The grades on your site will determine at what level to install the drainpipe.
- Place the drainpipe as low as possible behind the wall so water drains down and away from the wall into a storm drain or to an area lower than the wall. *See Diagram 6.*
- Fill in the area behind the blocks with ¾-inch free-draining aggregate, at a minimum of 12-inches from behind the back of the block or 24-inches from the front of the block, whichever is greater.
- You may need to place and backfill several courses to achieve the proper drainage level. *See Diagrams 7 and 8.*
- The drainpipe outlets should be spaced not more than every 50 feet and at low points of the wall. In order for the gravel fill to function properly, it must keep clear of regular soil fill. See below diagram of daylight drainage system.

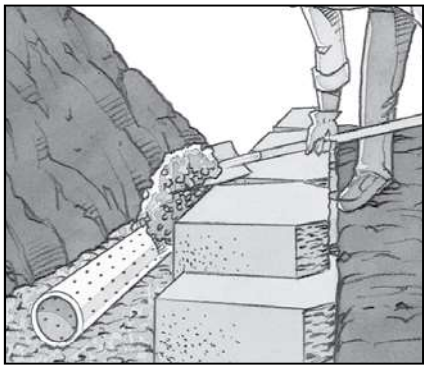


Diagram 6 – Drainage

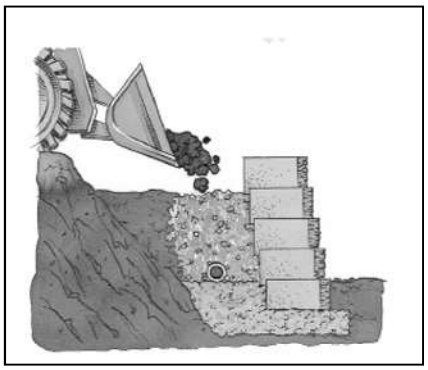


Diagram 7 – Backfill

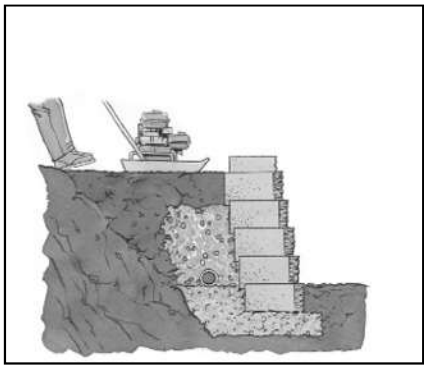
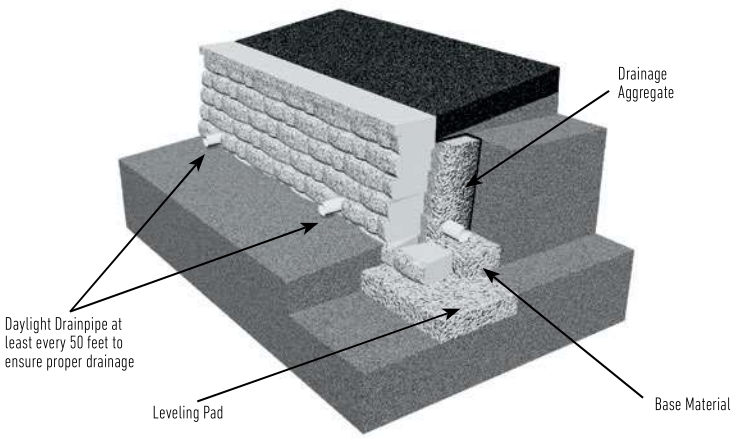


Diagram 8 – Compaction

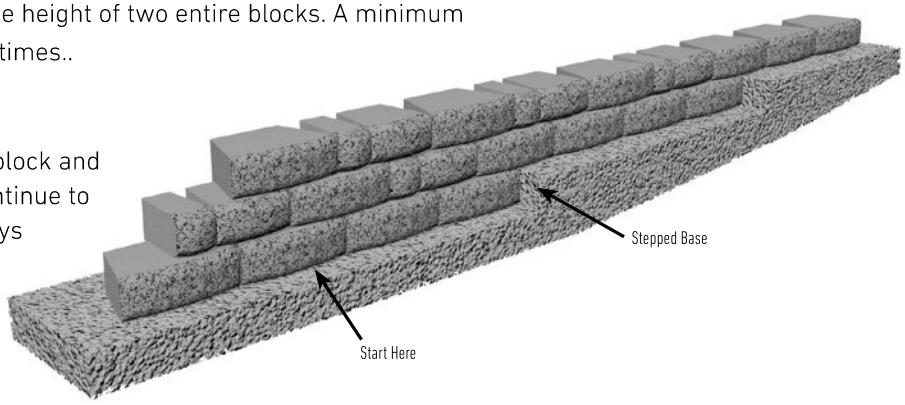


STEPPING UP THE BASE AT LOWEST POINT

Walls built on a sloping grade require a stepped base. Begin excavation at the lowest point and dig a level trench into the slope until it is deep enough to accommodate the base material and the height of two entire blocks. A minimum ebedment of 6 inches is required at all times..

STEP-UP

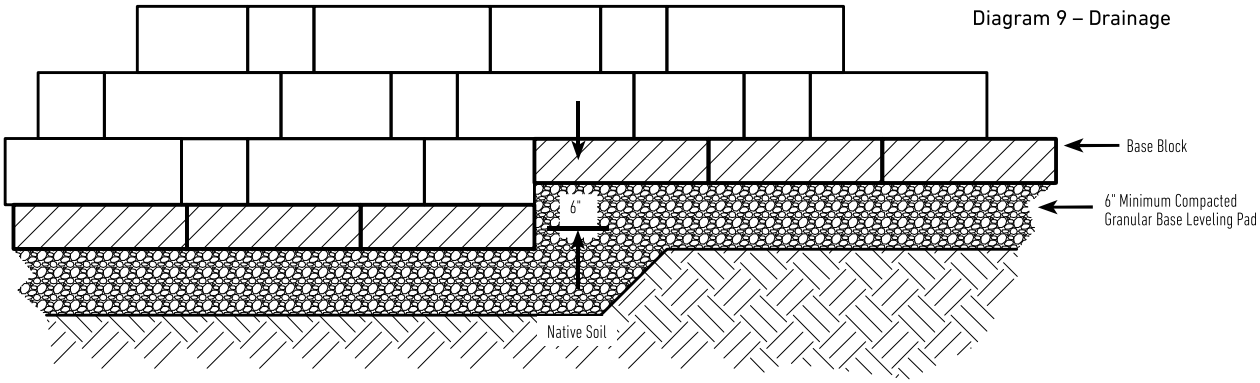
At this point, step up the height of one block and begin a new section of base trench. Continue to step up as needed to top of slope. Always bury at least one full unit at each step, maintaining a minimum ebedment of 6 inches at all times.



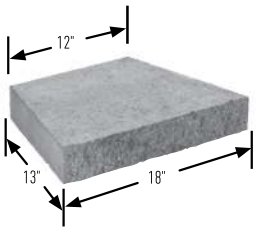
STEPPING UP THE BASE USING THE U START BASE BLOCK

Walls built on a sloping grade require a stepped base. Begin excavation at the lowest point and dig a level trench, 24 inches wide, into the slope until it is deep enough to accommodate the base material, the base block and enough depth to maintain a minimum of 6 inches of ebedment after stepping up.
See Diagram 9.

Diagram 9 – Drainage

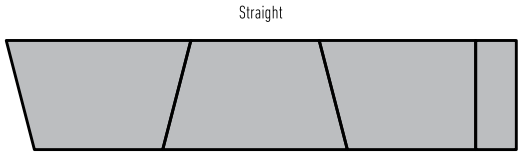


XL™ CAP



STRAIGHT WALL

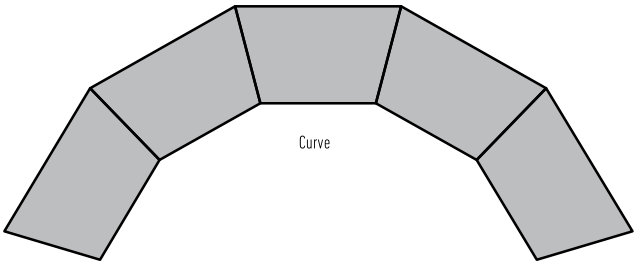
The XL™ cap must be laid alternately, short and long faces for a straight line. Always start capping from the lowest elevation. Once caps are aligned, caps should be glued in place using a concrete adhesive.



CURVES

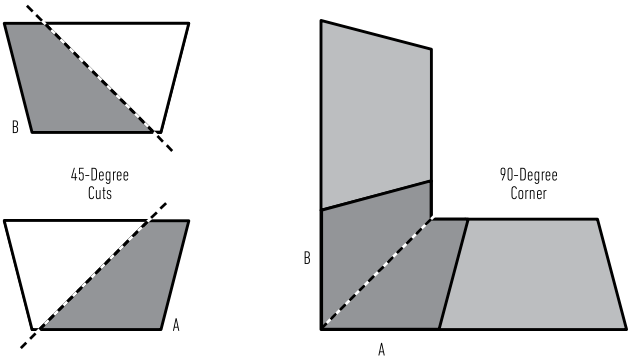
Lay out the cap units side by side with the same face facing out (long faces for outside curves; short face to inside curves). If there's a need to adjust for project's radius, make cuts at least every other cap as needed for the most pleasing aesthetic.

- Minimum radius with XL™ cap: 2 feet 2 inches



90-DEGREE CORNERS

Saw-cut two caps to achieve a 45-degree mitered corner.

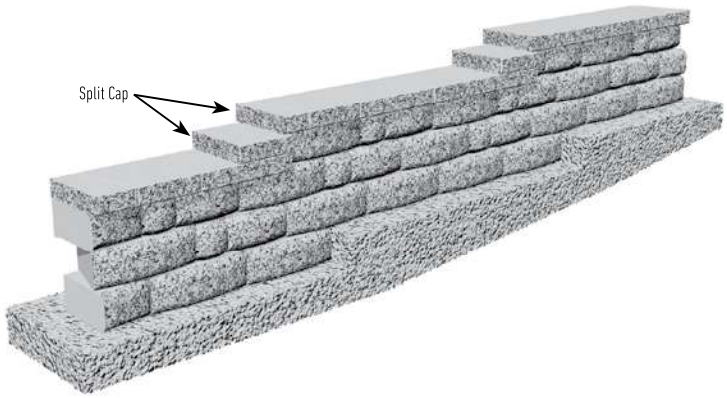


STEPPING UP CAPS WITH XL™ CAP

If the wall elevation changes, caps can be stacked where the wall steps up. Begin laying caps at the lowest elevation change and work your way toward the next step up. Split* a cap unit to fit. Place the split unit directly on top of the capped portion of the wall with all three split faces exposed.

FINISHING WITH XL™ CAP

After layout is complete and caps are saw-cut or split to size, carefully place concrete adhesive on wall top course and then place caps.



***NOTE:** To split a block, use a hydraulic splitter or split manually by using a hammer and chisel to score the block on all sides. Pound the chisel on the same line until the block splits. If partial unit sides are not exposed, use a saw with a diamond blade to achieve a tighter fit.

GEOSYNTHETIC REINFORCEMENT (IF REQUIRED)

- Geosynthetic reinforcement is recommended for walls taller than the gravity height determined for the project, or walls situated in poor soils, supporting a driveway, etc. Consult an engineer for design assistance.
- Check the wall construction plan for which courses will need geogrids.
- Clean any debris off the top layer of blocks.
- Measure and cut the geogrids to the design length in the plans.
- Many geosynthetic reinforcements have a design strength direction, which must be laid perpendicular to the wall.
- Place the front edge of the geogrids on top of the block, making sure it's within 1 inch of the face of the block. Correct placement ensures that you maximize the connection strength and keep the batter consistent.
- Apply the next course of blocks to secure it in place.
- A minimum of 6 inches of backfill is required prior to operating vehicles on the geogrids. Avoid sudden turning or braking.

COMPACTION

- Place the backfill soil behind the drainage aggregate and compact to 95% standard PROCTOR density with a hand-operated compactor.
- Make sure the aggregate is level with or slightly below the top of the course.
- Place soil in front of the base course and compact. The base course should be buried.
- Continue to fill and compact.

FINISH GRADE AND SURFACE DRAINAGE

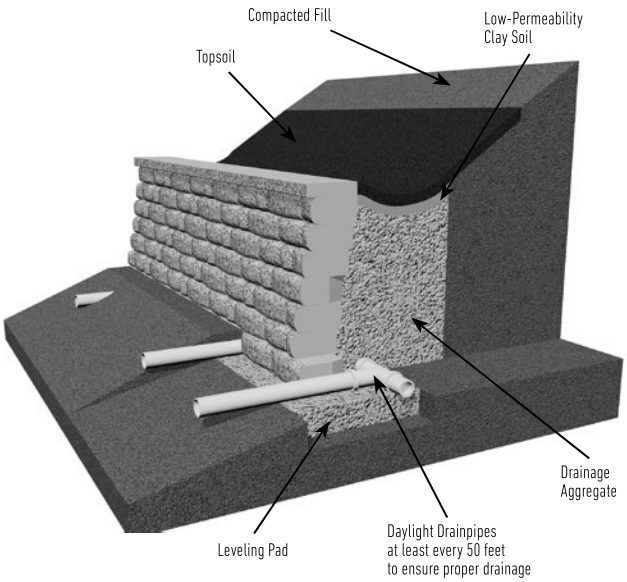
- Protect the wall with a finished grade at the top and bottom.
- To ensure proper water drainage away from the wall, use 8 inches of soil with low permeability. This will minimize water seeping into the soil and gravel fill behind the wall. *See Drainage Swales.*

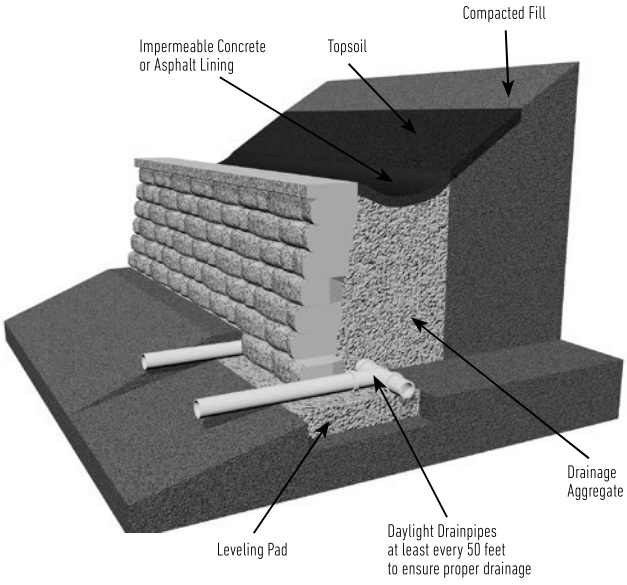
SITE CLEANING AND RESTORATION

- Brush off the wall and pick up any debris left from the construction process.
- Notify the job superintendent in writing of the project's completion and that it is ready for final inspection and acceptance.
- Planting vegetation in front and on top of the wall will help reduce the chance of erosion.
- Following the best practices for construction will ensure the successful installation of Anchor™ products.

DRAINAGE SWALES

- Design and performance of most retaining walls are based on keeping the reinforced zone relatively dry. Appropriate drainage swales to help control water should be designed into the wall construction plan.



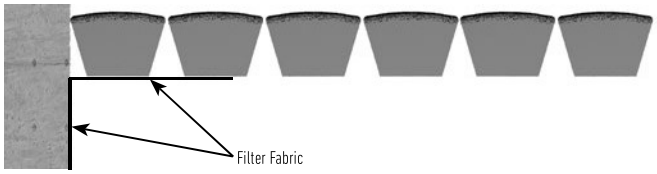


SAFETY NOTE: Always use appropriate equipment, including safety glasses or goggles and respirators, when splitting, cutting or hammering units. Refer to the NCMA Segmental Retaining Wall Installation Guide at www.ncma.org.

ABUTTING AN EXISTING STRUCTURE

FIRST COURSE

Begin with the first block next to the wall and place the first course. Place filter fabric behind the first two units and extend it 2 feet along the existing structure.



First Course

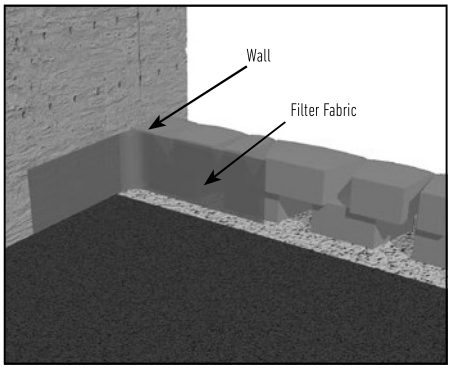
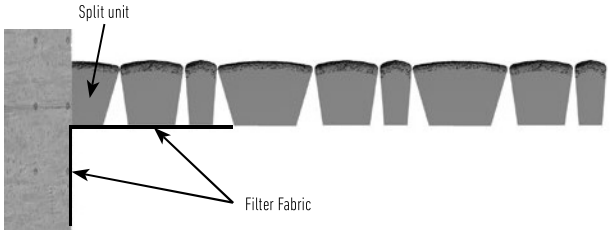


Diagram 10 – Extend Filter Fabric

SECOND COURSE

Build second course with standard installation techniques.
A split unit is shown but may not be necessary in every installation.
Extend filter fabric to the top edge of the final course. *See Diagram 10*.
A rubber membrane may be placed between the units and a non-concrete wall to prevent moisture damage to the structure.



Second Course

Note: To split a block, use a hydraulic splitter or split manually by using a hammer and chisel to score the block on all sides. Pound the chisel on the same line until the block splits. If partial unit sides are not exposed, use a saw with a diamond blade to achieve a tighter fit.

OUTSIDE CURVES

CALCULATE THE RADIUS

When building an outside curve, begin by determining the desired radius of the top course. This will be the smallest radius in the wall and must not be less than the minimum radius for the wall system used.

To determine the approximate base course radius:

1) Add ¼-inch to the setback of the block used. Multiply that by the number of courses in the finished wall.
2) Add desired radius length of the top course to the result of step 1. This number equals the approximate radius length of the base course.
3) To determine the radius for the front edge of the trench, add 6 inches to the approximate radius length of the base course.

Example: Setback of the Highland Stone® product is 1⅛-inch. The wall is 8 courses high. The desired radius of the wall measured to the front of the block on the top course is 6 feet.

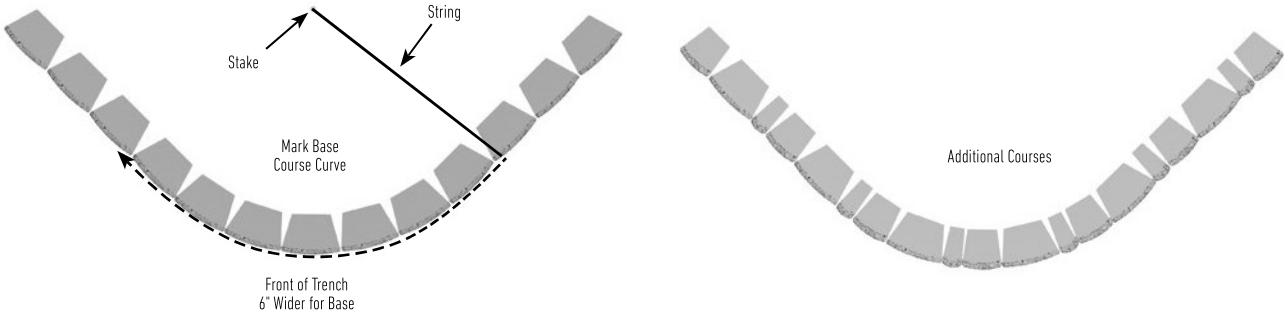
1) Setback multiplied by number of courses
   1⅛" + ¼" = 1⅜" x 8 courses = 11"
2) Desired radius plus setback
   6' + 11" = 6'11"
3) Front of trench
   6'11" + 6" = 7'5"

TIP: Subtract the depth of the block if you prefer to mark the curve from the back of the block.

LAY OUT THE TRENCH

Drive a stake into the ground at the desired radius point of the curve. Attach a string and rotate it in an arc at the desired length to mark the curve in the soil. Dig the trench.

BASE COURSE



Using the existing radius point stake and string, mark the base course curve on the leveling pad. Align the front of the block with the marked curve and ensure level placement from side to side and front to back.

ADDITIONAL COURSES

On each course, some of the rear lip of each block must be in contact with the back of the units below to ensure structural stability. The setback of the block will cause the radius of each course to gradually decrease and eventually affect the running bond of the wall. To maintain proper running bond, use partial units as needed. Once a split or cut unit is cut to size, glue in place with a concrete adhesive.

INSIDE CURVES

CALCULATE THE RADIUS

Check the wall plan to determine the radius of the top course. This will be the biggest radius in the wall and you will need it to determine the radius at the base course, which will be the smallest radius of the wall and must not be less than the minimum for the block system used.

A QUICK WAY TO DETERMINE THE BASE COURSE RADIUS:

1) Add ¼-inch to the setback of the block used. Multiply that by the number of courses in the finished wall.
2) Subtract the result of step 1 from the radius of the top course. This number equals the approximate radius length of the base course.
3) To determine the radius for the front edge of the trench, subtract 6 inches from the approximate radius length of the base course.

Example: The setback of the Highland Stone® product is 1⅛-inches. The wall is 8 courses high. The desired radius of the wall measured to the front of the block on the top course is 10 feet.

1) Setback multiplied by number of courses
   1⅛" + ¼" = 1⅜" x 8 courses = 11"
2) Desired radius minus setback
   10' - 11" = 9'1"
3) Front of trench
   9'1" - 6" = 8'7"

TIP: Add the depth of the block if you prefer to mark the curve from the back of the block.

LAY OUT THE TRENCH

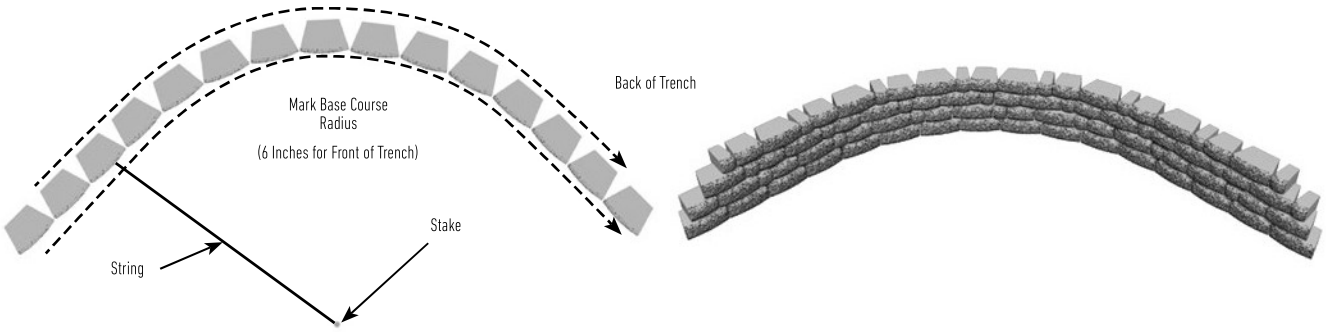
Drive a stake into the ground at the desired radius point of the curve. Attach a string and rotate it in an arc at the desired length to mark the curve in the soil. Dig the trench.

BASE COURSE

Using existing radius point stake and string, mark the base course curve on the leveling pad. Align the front of the block with the marked curve and ensure level placement from side to side and front to back.

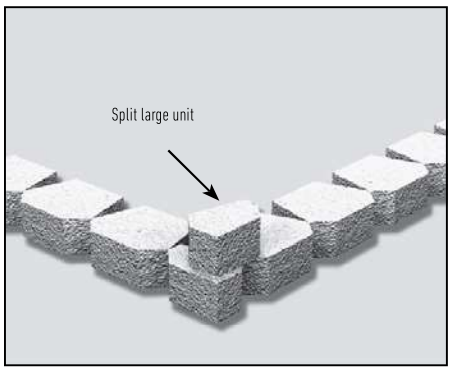
ADDITIONAL COURSES

On each course, some of the lips of each block must be in contact with the back of the units below to ensure structural stability. If not, use construction adhesive to adhere blocks together. To maintain proper running bond, use partial units as needed. Once a split unit is cut to size, glue in place with a concrete adhesive.

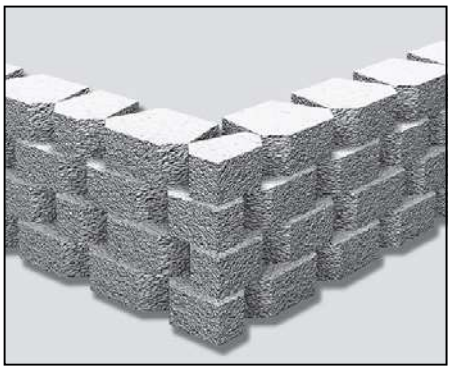


OUTSIDE 90-DEGREE CORNERS

FOR SYSTEMS WITHOUT A CORNER UNIT



Outside 90-Degree Corner
without Corner Unit



Additional Courses

BASE COURSE

To build an outside 90-degree corner, begin by splitting a unit in half. Place this unit with both split faces out at the corner. If needed, remove the rear lip so that the block lies flat. Then lay the rest of the base course working from the corner block out.

ADDITIONAL COURSES

Begin the next course with the other half of the split unit faced in the opposite direction at the corner.
Place the second and third blocks on either side of the corner unit. Once the corner unit is in position, glue block in place with a concrete adhesive. Continue to alternate the corner unit orientation with each course and always use a concrete adhesive on the corner units. Use cut or split units as necessary to maintain running bond.

OUTSIDE 90-DEGREE CORNERS

FOR SYSTEMS WITHOUT A CORNER UNIT

90-degree corners are built by alternating corner/column units so the long side is on different sides of the wall. Build the pattern from the corner unit when possible. Install corner units level from front to back.

Depending on the wall layout, there may be a need to go off the pattern and randomly place wall blocks near the corner. Set back corner units to reflect the batter of the wall block units and glue from bottom to top.

Outside 90-Degree Corner
with Corner/Column Unit

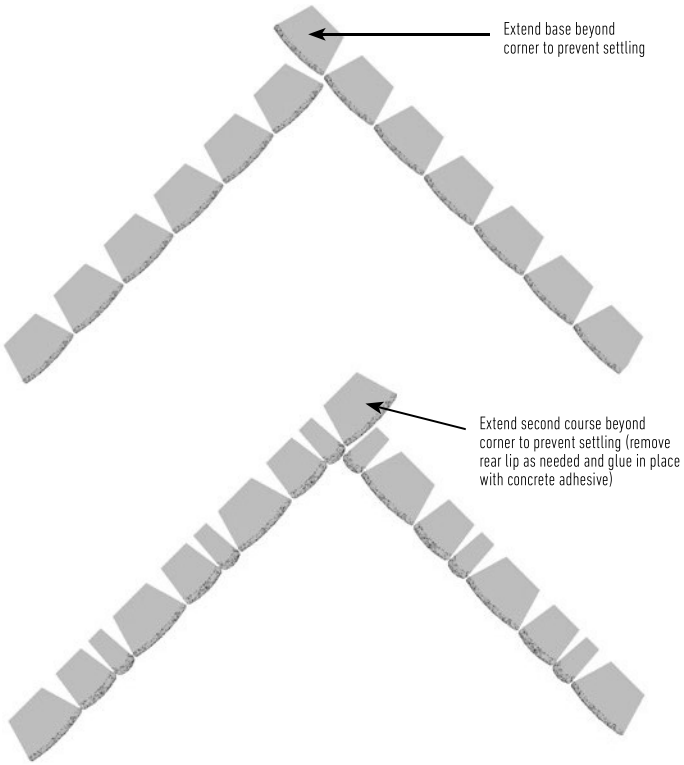
NOTE: To split a block, use a hydraulic splitter or split manually by using a hammer and chisel to score the block on all sides. Pound the chisel on the same line until the block splits. If partial unit sides are not exposed, use a saw with a diamond blade to achieve a tighter fit.

INSIDE 90-DEGREE CORNERS

BASE COURSE

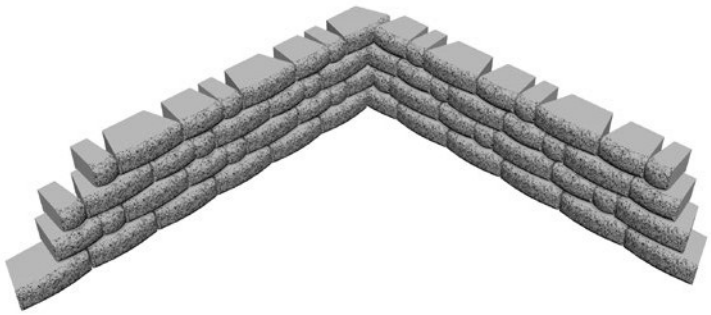
To create an inside 90-degree corner, begin by placing a block at the corner. Then lay a second block perpendicular to the first and continue laying out the rest of the base course working from the corner out. Make sure to construct the base course according to standard site prep and installation procedures.

Example Inside 90-Degree Corner



ADDITIONAL COURSES

On the second course, place all blocks on bond along one side of the corner. Once the second course of one wall is established, begin the second course of the adjacent wall. Split units or units of varying sizes may be required on this wall to maintain running bond. Continue to alternate the corner unit orientation with each course and always use a concrete adhesive on the corner units.



NOTE: To split a block, use a hydraulic splitter or split manually by using a hammer and chisel to score the block on all sides. Pound the chisel on the same line until the block splits. If partial unit sides are not exposed, use a saw with a diamond blade to achieve a tighter fit.

STEPS IN A CURVED WALL

These drawings show Highland Stone®, Diamond® and Diamond Stone Cut® step units.
Caps or pavers can be used for treads. Check local building codes for any tread depth standards.

BASE COURSE

Thoroughly compact the leveling pad. Lay out the base course according to the wall design.
Place step units first, working from the center to each side. Remember, it is very important to backfill and compact behind and along the sides of each course of step units.

FIRST STEP COURSE

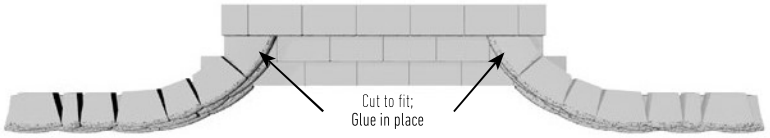
Place the first course of step units directly on top of the base course so there is no setback.
Stagger them from the previous course and glue in place.

SECOND STEP COURSE

Add the second course of steps, staggering them from the previous course to maintain running bond.
Overlap the lower course by a minimum 2 inches and glue to lower course. Place and compact base material prior to installing next course.

NEXT WALL COURSE

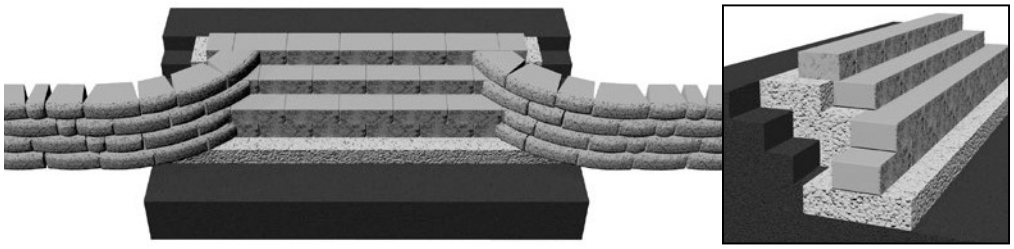
Place a block near the second course of steps, maintaining running bond with the base course. Measure and cut a block to fit the space remaining between the step unit and the next course of the wall. Place the unit in the wall, making sure that both vertical edges fit tight against both the step and standard unit. Remove the rear lip on the blocks when necessary, and angle the blocks flush with the face of the previous course. Glue in place with a concrete adhesive. Repeat these steps until the wall is finished.



ADDITIONAL COURSES

Beginning in the center, add the third course of steps, lining up the units with the first course.
Overlap a minimum 2 inches and glue in place. Repeat until the steps are finished.

DRAINAGE TIP: Drain pipe can be placed behind the lowest step units at grade or behind each wall adjacent to the steps.

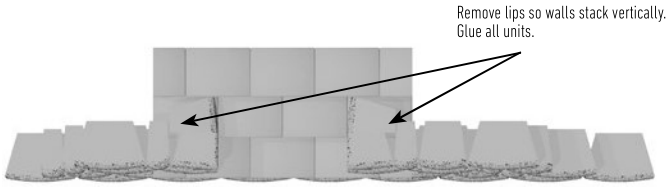


STEPS IN A 90-DEGREE WALL

These drawings show Highland Stone®, Diamond® and Diamond Stone Cut® step units.
Caps or pavers can be used for treads. Check local building codes for any tread depth standards.

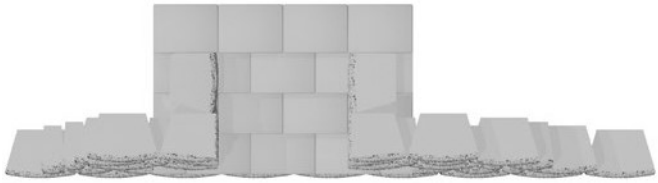
BASE COURSE

Thoroughly compact the leveling pad. Lay out the base course according to the wall design. Place step units first, working from the center to each side. Remember, it is very important to backfill and compact behind and along the sides of each course of step units.



FIRST STEP COURSE

Place the first course of step units directly on top of the base course so there is no setback.
Stagger them from the previous course and glue in place.

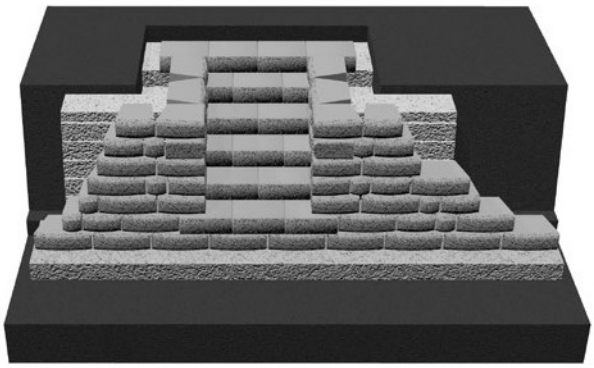


SECOND STEP COURSE

Add the second course of steps, staggering them from the previous course to maintain running bond.
Overlap the lower course by a minimum 2 inches and glue to lower course. Place and compact base material prior to installing next course.

SECOND WALL COURSE

Build the second course of the wall. Corner units are used at the end of steps tied into wall and glued in place. Alternate long and short direction of corner unit every other row.

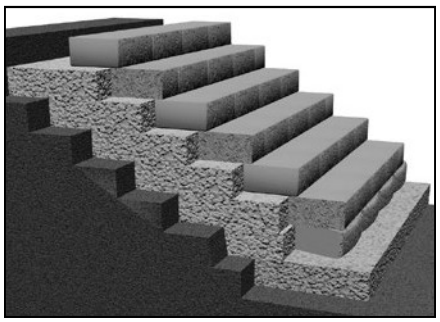


THIRD STEP COURSE

Beginning in the center, add the third course of steps, lining up the units with the first course. Overlap the lower course by 2 inches and glue to lower course.

ADDITIONAL COURSES

Build the third course of the wall.
Repeat these steps until the wall is finished.



ANCHORPLEX® SYSTEM CONSTRUCTION GUIDE

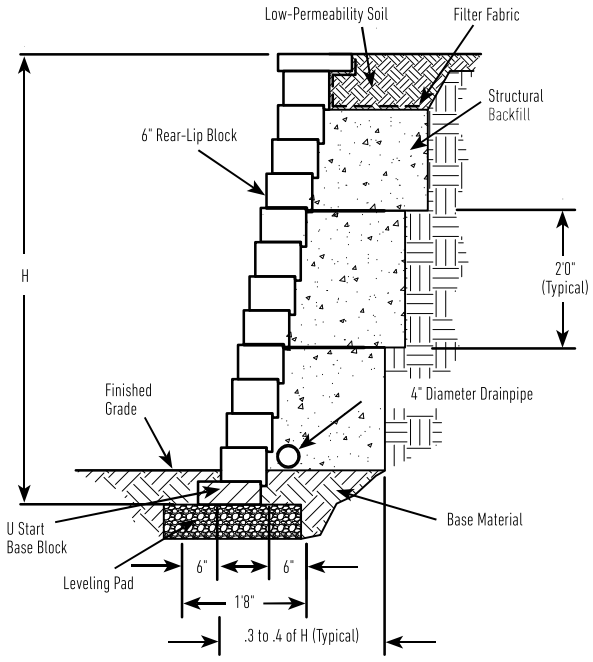
HOW TO USE THIS GUIDE

Use this information to gain a general understanding of the basics of building retaining walls with the Anchorplex system. Do not use this in lieu of construction drawings provided by a qualified engineer. Contact ANCHOR Diamond® at 1-877-295-5415 for more information about designing and building with the Anchorplex system.

ABOUT THE ANCHORPLEX® SYSTEM

The Anchorplex system is a retaining wall built with Oldcastle™ products and self-compacting structural backfill, also known as "no-fines" concrete, which is a highly-porous mixture of clean stone, cement and water. The mixing ratios (by weight) of aggregate to cementitious material should be between 6:1 and 7:1. The mixing rate (by weight) of water to cementitious material should be no more than 1:2. The resulting material, upon curing, should have at least 25 percent voids.

EXAMPLE: 6" MULTI-PEICE RETAINING WALL SYSTEM USING THE ANCHORPLEX SYSTEM

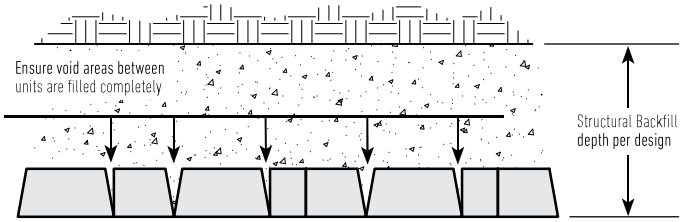


RETAINING WALL CONSTRUCTION

Setting out the wall and excavation is no different for an Anchorplex system construction than for conventional construction, except that the amount of excavation will probably differ. Construction of the leveling pad, base course, subsequent courses and drainage is no different for an Anchorplex system construction than for conventional construction.

INSTALLATION OF STRUCTURAL BACKFILL

After completion of the leveling pad, base course, drainpipe installation and stacking block 2 feet above grade, the first lift of structural backfill that meets Anchor Wall Systems' specifications can be installed. Do not exceed 2 feet vertical stacking of block before placing a lift of structural backfill



The structural backfill can be placed directly from delivery vehicle or with skid-type loader or other equipment. It should be placed behind the blocks and worked into all voids and cores of the blocks (if applicable). When properly formulated, the structural backfill will not leak through the face of the wall.

After installation of the first lift of structural backfill, install additional courses and repeat the process. Place additional lifts every 8 to 24 inches depending on site conditions and project scale. Subsequent pours can be made as soon as the structural backfill in the previous lift has set — usually within 2 to 3 hours.

INSTALLATION OF FILTER FABRIC

Place a layer of filter fabric over the structural backfill and up the back of the top course and the cap. Then fill behind the top course and cap with low-permeability soil.

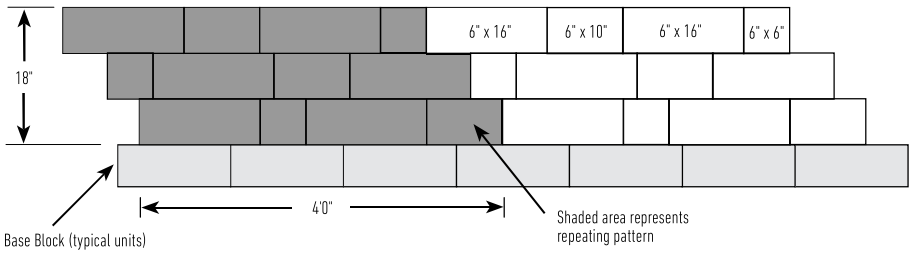
CAPPING & FINISHING

Follow standard practice when capping the wall. Protect the wall with a finish grade at the top and bottom.

LAYING PATTERN GUIDE FOR MULTI-PIECE WALLS

USING A PATTERN FOR SINGLE-HEIGHT RETAINING WALLS

When using a pattern, begin at one edge, laying the units as indicated. Install at least one repeat of the pattern to establish the pattern before proceeding to the next course. Stagger the patterns as shown to avoid vertical bonds.



Blocks required	
6 Sets	
12	6" x 16"
6	6" x 10"
6	6" x 6"

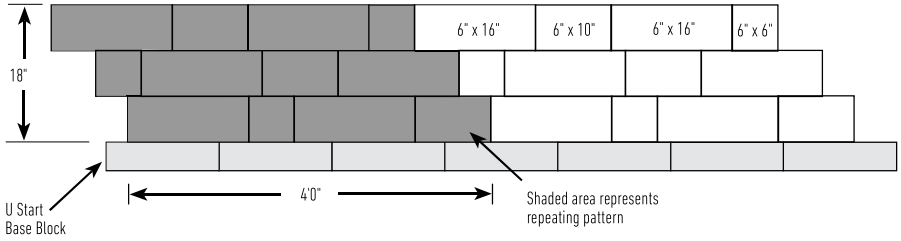
Blocks required	
3 Sets	
6	6" x 16"
3	6" x 10"
3	6" x 6"

One set of 6-inch-high retaining wall blocks consists of 2 large units, 1 medium unit and 1 small unit, and is 2 square feet.

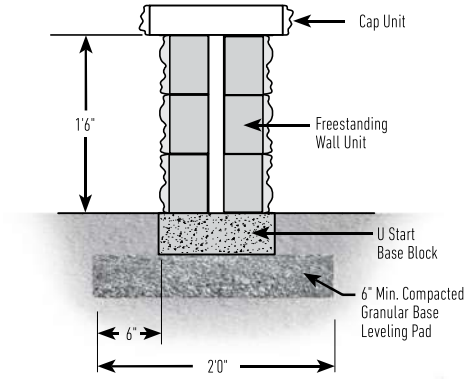
6" Multipiece wall system, 18-inch by 4-foot pattern = 6 sq. ft.

USING A PATTERN FOR FREESTANDING WALLS

One set of 6-inch-high blocks consists of 2 large units, 1 medium unit and 1 small unit, and is 1 square foot of two sided wall.



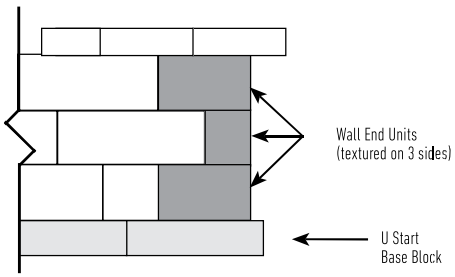
Note: These freestanding wall installation patterns show only one side of the freestanding wall. The same number of blocks are needed to build the other side of a freestanding wall when using Belair Wall 2.0 and Brisa freestanding wall systems. Freestanding wall installation patterns are measured in length by height of one side of the wall, and are expressed in square feet. Sets of blocks required include the number of blocks needed to build both sides of the wall.



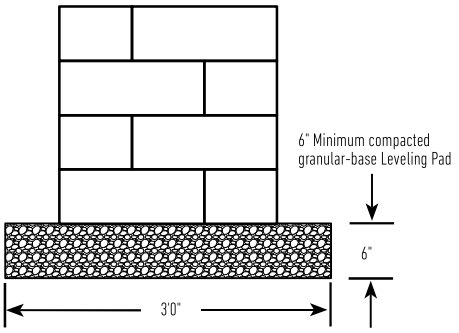
TYPICAL CROSS SECTION

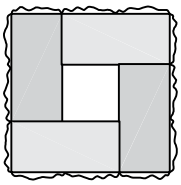
ENDING A WALL WITH WALL ENDS

Start pattern next to a wall end unit if the wall does not end with a column. Every other wall end is cut in half. Glue all pieces in place using concrete adhesive.



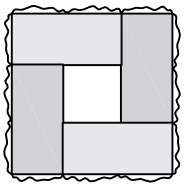
COLUMN CONSTRUCTION



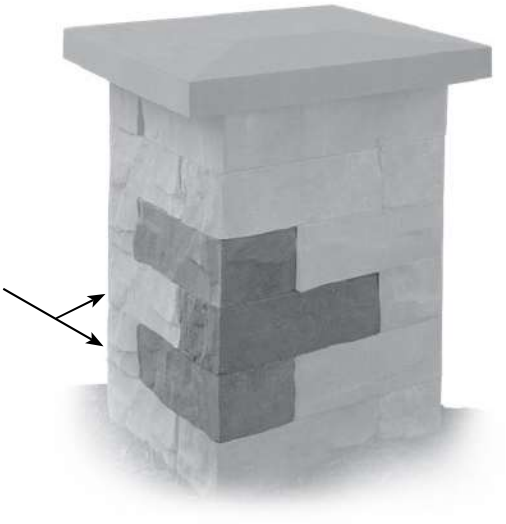


Course A

Stager Corner/Column
Units to maintain bond



Course B

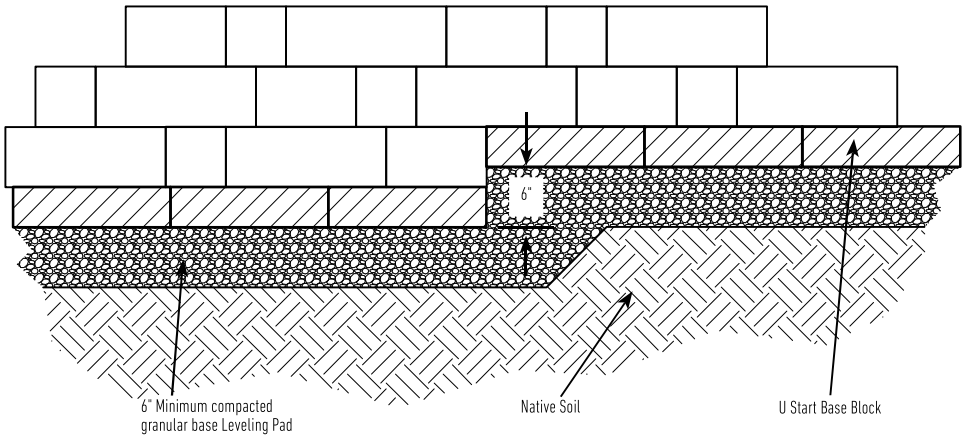


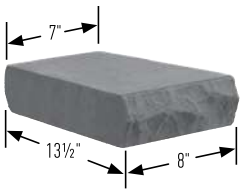
STEPPING UP THE BASE AT LOWEST POINT

Walls built on a sloping grade require a stepped base. Begin excavation at the lowest point and dig a level trench into the slope until it is deep enough to accommodate the base material and height of one entire block.

STEP-UP

At this point, step up the height of one block and begin a new section of base trench.
Continue to step up as needed to top of slope. Always bury at least one full unit at each step.



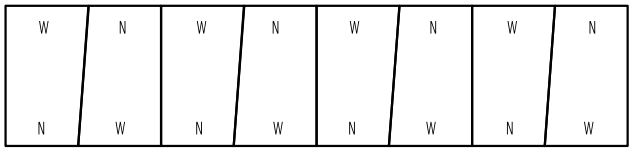


TRAPEZOID DOUBLE-SIDED CAP

The double-sided cap has a right-angle side and an offset-angle side. The caps can be used in any of four directions since there is no specific top or bottom.

STRAIGHT WALL

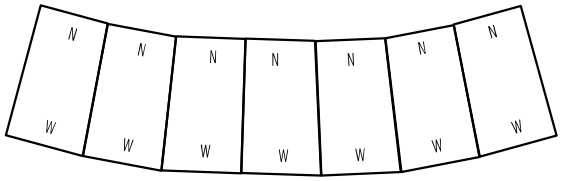
The cap must be laid alternately, narrow (N) and wide (W) faces, for a straight line. Always start capping from the lowest elevation.



CURVES

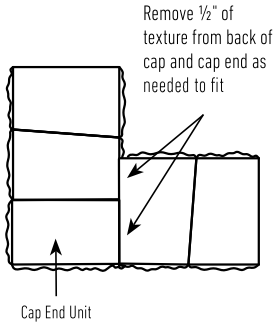
Lay out the cap units side by side with same face facing out (wide faces for outside curves; narrow faces for inside curves).Occasional cutting of some pieces may be necessary.

Minimum radius: 7'6"



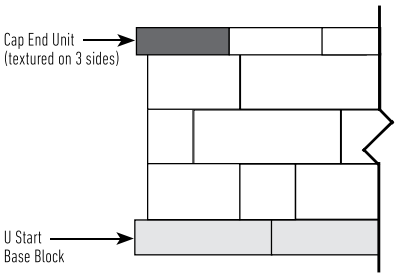
90-DEGREE CORNERS WITH CAP END

Using a Cap End unit.



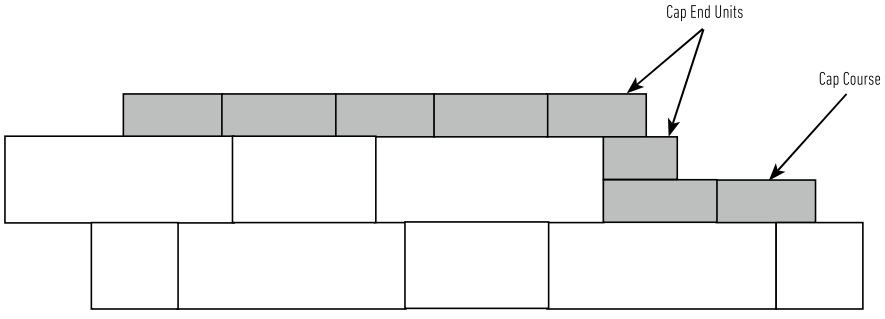
FINISH WITH A CAP END

Do not cut the cap end, cut an interior cap if needed.



STEPPING UP CAPS WITH CAP ENDS

If a wall elevation changes, caps can be stacked where the wall steps up. Begin laying caps at the lowest elevation and work your way toward the next step-up. Cut a cap unit to fit. Place the cut unit directly on top of the capped portion of the wall with the cut side hidden from view. If not using a Cap End, place the trapezoid double-sided cap so that the side with the arrow is hidden.



NOTE: To split a block, use a hydraulic splitter or split manually by using a hammer and chisel to score the block on all sides. Pound the chisel on the same line until the block splits. If partial unit sides are not exposed, use a saw with a diamond blade to achieve a tighter fit.

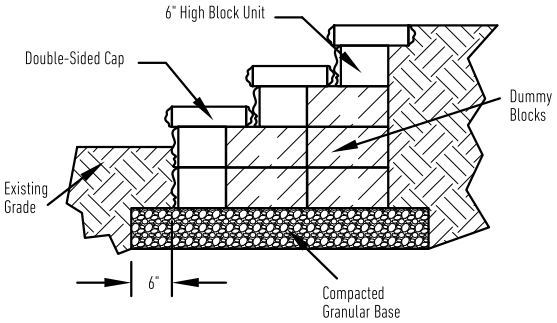
STEP CONSTRUCTION

When constructing steps, you must consider whether it is a fill or a cut-grade situation. Construction is similar, but varies in the amount of dummy units required.

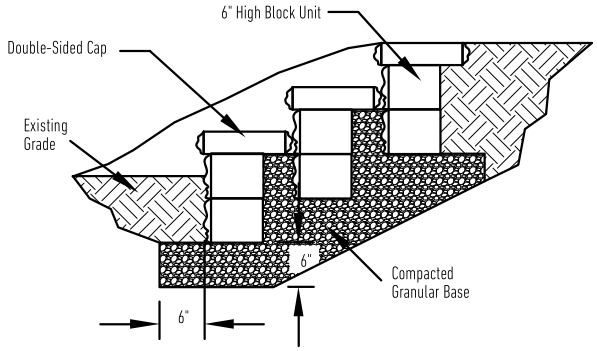
A fill step will have a base course of dummy units in the entire footprint of the steps. For each additional step, add dummy units behind the facing units for stability. There are two methods for creating the step facing. Use sets of either 6-inch-high or 3-inch-high units. A cut-grade set of steps will use one layer of dummy blocks under each step, effectively stepping up the grade.

All applications will require some sort of tread to cover the facing units.

USING FILL SCENARIO



USING CUT SCENARIO

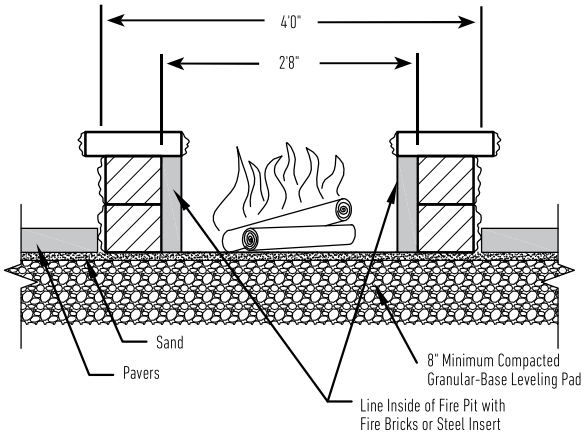


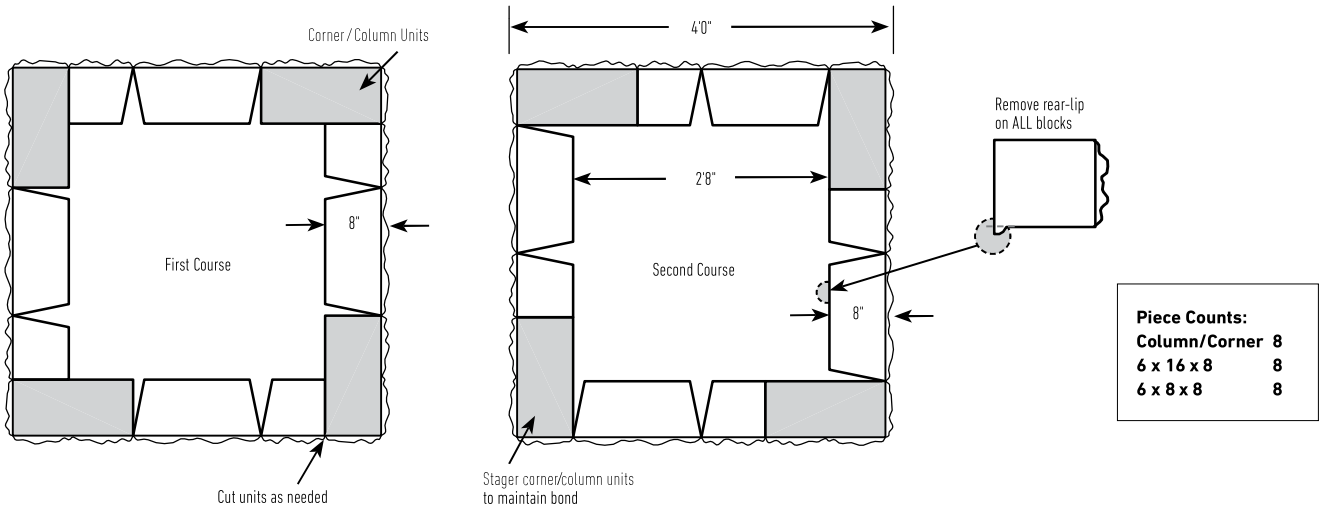
RETAINING WALL SQUARE FIRE PIT CONSTRUCTION

Inside of fire pit must be lined with a heat-resistant material.

Affix all units with construction-grade adhesive.

These blocks are not fireproof and could start to crack under extreme heat. These blocks are intended for landscape applications and are not fire-rated. Over time the blocks may crack. A possible solution is to use heavy fire-rated bricks or a steel liner on the interior of an above or below ground fire ring/pit with the blocks outside the perimeter. Again, the heat may adversely affect landscape products, even with an interior heat-resistant barrier in place.





BELAIR WALL® 2.0 FREESTANDING

NATURAL COLLECTION

Scan for additional product information

RESIDENTIAL	COMMERCIAL	STEPS	COLUMNS	FIRE PITS	KITCHEN	FREESTANDING WALL	RETAINING WALL
✓	✓		✓	✓	✓	✓	

SHAPES & SIZES

3-Piece 6" Frestanding Wall

6 x 6 x 5

6 x 10 x 5

6 x 16 x 5

Corner / Column

6 x 16 x 8

Cap

3 x 8 / 7 x 13½

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ SQFT	WEIGHT/ UNIT	WEIGHT/ PALLET
3-PIECE							
6 X 6 X 5	3.75	0.75	–	30	8	11.25	–
6 X 10 X 5	6.25	1.25	–	30	4.8	18.75	–
6 X 16 X 5	20	4	–	60	3	30	–
TOTAL	30*	6	5	120	–	–	2939
CORNER/COLUMN							
6 X 16 X 8	–	–	2	28	1.5	–	1650
CAP							
3 X 8 / 7 X 13½	–	–	8	144	1.6	–	3200

* Note: 15sq-ft on both sides

DEVELOPED BY ANCHOR DIAMOND WALL INDUSTRY EXPERTS

BELAIR WALL® 2.0 RETAINING

NATURAL COLLECTION

Scan for additional product information

RESIDENTIAL	COMMERCIAL	STEPS	COLUMNS	FIRE PITS	KITCHEN	FREESTANDING WALL	RETAINING WALL
✓	✓	✓	✓	✓	✓		✓

SHAPES & SIZES

3-Piece 6" Retaining Wall

6 x 6 x 8 | 6 x 10 x 8 | 6 x 16 x 8

Corner / Column

6 x 16 x 8

Cap

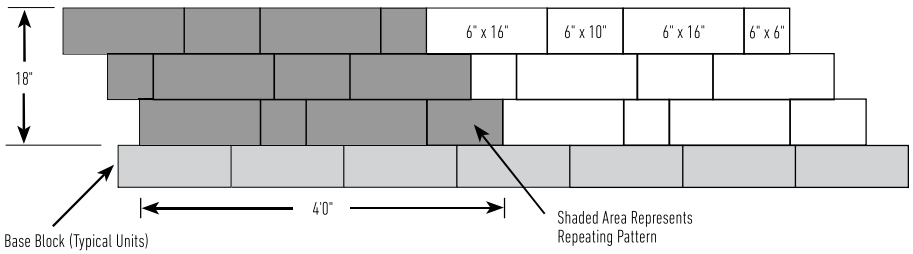
3 x 8 / 7 x 13½

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ SQFT	WEIGHT/ UNIT	WEIGHT/ PALLET
3-PIECE							
6 X 6 X 8	3.75	1.25	–	15	4	20.4	–
6 X 10 X 8	6.25	2.08	–	15	2.4	34.06	–
6 X 16 X 8	20	6.66	–	30	1.5	54.26	–
TOTAL	30	10	3	60	–	–	2318
CORNER/COLUMN							
6 X 16 X 8	–	–	2	28	1.5	–	1650
CAP							
3 X 8 / 7 X 13½	–	–	8	144	1.6	–	3200

DEVELOPED BY ANCHOR DIAMOND WALL INDUSTRY EXPERTS

BELAIR WALL® 2.0 - LAYING PATTERN GUIDE

USING A PATTERN FOR SINGLE-HEIGHT RETAINING WALLS



When using a pattern, begin at one edge, laying the units as indicated. Install at least one repeat of the pattern to establish the pattern before proceeding to the next course. Stagger the patterns as shown to avoid vertical bonds.

One set of 6-inch-high retaining wall blocks consists of 2 large units, 1 medium unit and 1 small unit, and is 2 square feet.

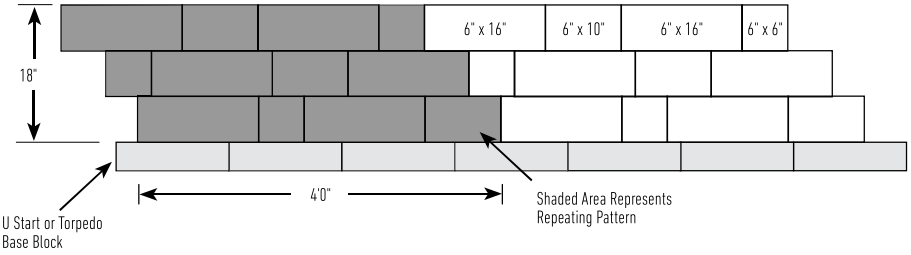
6" Multipiece wall system, 18-inch by 4-foot pattern = 6 sq. ft.

Blocks required	
6 Sets	
12	6" x 16"
6	6" x 10"
6	6" x 6"

Blocks required	
3 Sets	
6	6" x 16"
3	6" x 10"
3	6" x 6"

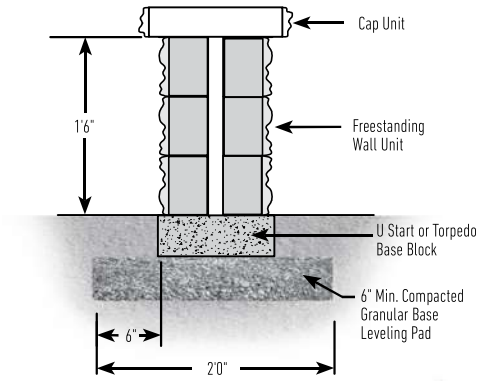
WHEN TO USE A PATTERN FOR FREESTANDING WALLS

One set of 6-inch-high blocks consists of 2 large units, 1 medium unit and 1 small unit, and is 1 square foot of two sided wall.

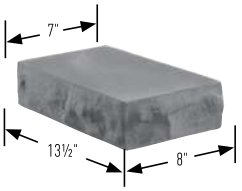


NOTE: *These freestanding wall installation patterns show only one side of the freestanding wall. The same number of blocks are needed to build the other side of a freestanding wall when using Belair Wall 2.0 and Brisa freestanding wall systems. Freestanding wall installation patterns are measured in length by height of one side of the wall, and are expressed in square feet. Sets of blocks required include the number of blocks needed to build both sides of the wall.*

TYPICAL CROSS SECTION



DEVELOPED BY ANCHOR DIAMOND WALL INDUSTRY EXPERTS

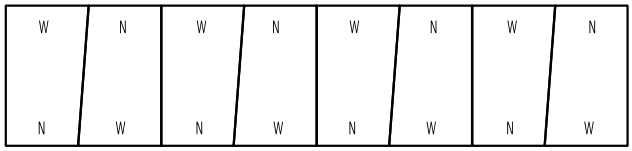


TRAPEZOID DOUBLE-SIDED CAP

The double-sided cap has a right-angle side and an offset-angle side. The caps can be used in any of four directions since there is no specific top or bottom.

STRAIGHT WALL

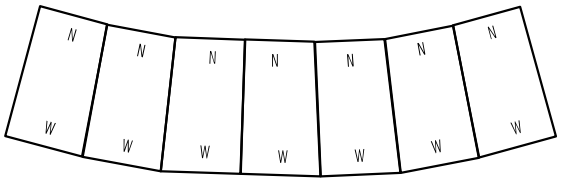
The cap must be laid alternately, narrow (N) and wide (W) faces, for a straight line. Always start capping from the lowest elevation.



CURVES

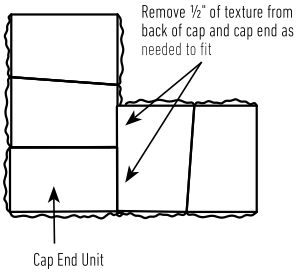
Lay out the cap units side by side with same face facing out (wide faces for outside curves; narrow faces for inside curves).Occasional cutting of some pieces may be necessary.

Minimum radius: 7'6"



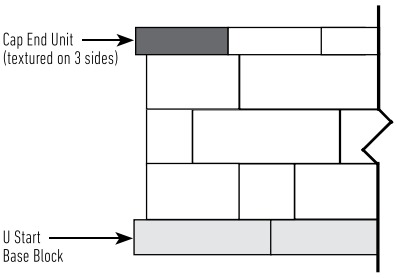
90-DEGREE CORNERS WITH CAP END

Using a Cap End unit



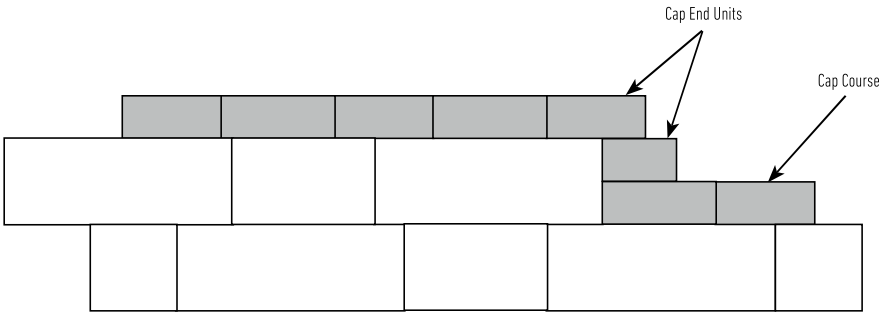
FINISH WITH A CAP END

Do not cut the cap end, cut an interior cap if needed.



STEPPING UP CAPS WITH CAP ENDS

If a wall elevation changes, caps can be stacked where the wall steps up. Begin laying caps at the lowest elevation and work your way toward the next step-up. Cut a cap unit to fit. Place the cut unit directly on top of the capped portion of the wall with the cut side hidden from view. If not using a Cap End, place the trapezoid double-sided cap so that the side with the arrow is hidden.



NOTE: To split a block, use a hydraulic splitter or split manually by using a hammer and chisel to score the block on all sides. Pound the chisel on the same line until the block splits. If partial unit sides are not exposed, use a saw with a diamond blade to achieve a tighter fit.

DEVELOPED BY ANCHOR DIAMOND WALL INDUSTRY EXPERTS

CASTLEMANOR® WALL

Scan for additional product information

RESIDENTIAL	COMMERCIAL	STEPS	COLUMNS	FIRE PITS	KITCHEN	FREESTANDING WALL	RETAINING WALL
✓	✓	✓	✓	✓	✓	✓	✓

SHAPES & SIZES

3-Piece

6 x 6 / 4 x 10

6 x 12 / 10 x 10

6 x 16 / 14 x 10

Cap

3 x 12 x 10

Pins

6" L x ⅜ D
approx. 3.5 pins per sq. ft.

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ SQFT	WEIGHT/ UNIT	WEIGHT/ PALLET
WALL UNITS							
6 X 6 / 4 X 10	4.16	0.83	–	20	4.8	22	440
6 X 12 / 10 X 10	9.16	1.83	–	20	2.18	48	960
6 X 16 / 14 X 10	12.5	2.5	–	20	1.6	66	1320
TOTAL	26	5.16	5	60	–	–	2720
CAP							
3 X 12 / 8 X 12	60 LF	10 LF	6	72	1.2 LF	28.32	2039

DIAMOND PRO®

HERITAGE COLLECTION

Scan for additional product information

RESIDENTIAL	COMMERCIAL	STEPS	COLUMNS	FIRE PITS	KITCHEN	FREESTANDING WALL	RETAINING WALL
✓	✓	✓	✓				✓

SHAPES & SIZES

Straight Face

8 x 18 x 12

Cap Unit

4 x 12 x 18

Corner

8 x 18 x 9

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ SQFT	WEIGHT/ UNIT	WEIGHT/ PALLET
STRAIGHT FACE							
8 X 18 X 12	48	12	4	48	1	–	3874
CAP UNIT							
4 X 12 X 18	96	12	8	64	1.35	–	4096
CORNER							
8 X 18 X 9	–	–	–	36	–	–	3520

DEVELOPED BY ANCHOR DIAMOND WALL INDUSTRY EXPERTS

DIAMOND PRO® PS SERIES

HERITAGE COLLECTION

Scan for additional product information

RESIDENTIAL	COMMERCIAL	STEPS	COLUMNS	FIRE PITS	KITCHEN	FREESTANDING WALL	RETAINING WALL
✓	✓	✓	✓				✓

SHAPES & SIZES

Straight Face

8 x 18 x 12

Corner

8 x 17¼ x 7½

Cap

4 x 12 x 18

Pins

5 x ½

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ SQFT	WEIGHT/ UNIT	WEIGHT/ PALLET
STRAIGHT FACE							
8 X 18 X 12	36	9	4	36	–	74	2664
CORNER							
8 x 17¼ x 7½	–	–	–	–	–	–	–
CAP							
4 X 12 X 18	96	12	8	64	1.35	–	4096

DEVELOPED BY ANCHOR DIAMOND WALL INDUSTRY EXPERTS

DIAMOND® 9D

HERITAGE COLLECTION

Scan for additional product information

RESIDENTIAL	COMMERCIAL	STEPS	COLUMNS	FIRE PITS	KITCHEN	FREESTANDING WALL	RETAINING WALL
✓	✓	✓	✓				✓

SHAPES & SIZES

Diamond® 9D

6 x 17¾ x 9

XL Cap

3 x 17 / 12 x 10

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ SQFT	WEIGHT/ UNIT	WEIGHT/ PALLET
BLOCK							
6 X 17¾ X 9	35.5	8.9	4	48	–	–	2379
XL CAP							
3 X 17 / 12 X 10	–	–	–	64	–	–	2829

DEVELOPED BY ANCHOR DIAMOND WALL INDUSTRY EXPERTS

EASTON STONE™

Scan for additional product information

RESIDENTIAL	COMMERCIAL	STEPS	COLUMNS	FIRE PITS	KITCHEN	FREESTANDING WALL	RETAINING WALL
✓	✓	✓	✓	✓	✓	✓	

SHAPES & SIZES

Universal

4 x 12 x 8

3-Piece

4 x 8 x 8

4 x 12 x 8

4 x 16 x 8

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ SQFT	WEIGHT/ UNIT	WEIGHT/ PALLET
UNIVERSAL							
4 X 12 X 8	–	–	7	112	–	–	3360
3-PIECE							
4 X 8 X 8	9.1	1.33	–	42	–	–	–
4 X 12 X 8	14	2.0	–	42	–	–	–
4 X 16 X 8	18.69	2.67	–	42	–	–	–
TOTAL	42	6	7	126	–	–	3360

MELVILLE™ WALL

METROPOLITAN COLLECTION

Scan for additional product information

RESIDENTIAL	COMMERCIAL	STEPS	COLUMNS	FIRE PITS	KITCHEN	FREESTANDING WALL	RETAINING WALL
✓	✓	✓	✓	✓	✓	✓	

SHAPES & SIZES

Wall Unit

4 x 20 x 10

Cap

2 x 20 x 13

UNIT	LNFT/ PALLET	LNFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ SQFT	WEIGHT/ UNIT	WEIGHT/ PALLET
WALL UNIT							
4 X 20 X 10	26.67	4.45	6	48	–	–	2934
CAP							
2 X 20 X 13	–	–	10	60	–	–	2400

WESTON STONE™

Scan for additional product information

RESIDENTIAL	COMMERCIAL	STEPS	COLUMNS	FIRE PITS	KITCHEN	FREESTANDING WALL	RETAINING WALL
✓	✓	✓	✓	✓	✓	✓	

SHAPES & SIZES

Universal

4 x 12 x 8

3-Piece

4 x 8 x 8

4 x 12 x 8

4 x 16 x 8

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ SQFT	WEIGHT/ UNIT	WEIGHT/ PALLET
UNIVERSAL							
4 X 12 X 8	–	–	7	112	–	–	3360
3-PIECE							
4 X 8 X 8	9.1	1.33	–	42	–	–	–
4 X 12 X 8	14	2.0	–	42	–	–	–
4 X 16 X 8	18.69	2.67	–	42	–	–	–
TOTAL	42	6	7	126	1	–	3360

FIRE FEATURES

FIRE FEATURES INSTALLATION GUIDE

FIRE FEATURES

STANDARD INSTALLATION INSTRUCTIONS

GRAVEL BASE

Gravel Fill shall be a clean angular stone or angular granular fill meeting the following gradation as determined in accordance with ASTM D 422.

Sieve Size	Percent Passing
1-in	100
3/4-in	75-100
No. 4	0-60
No. 40	0-50
No. 200	0-12

FOUNDATION PREPARATION

Following excavation of the leveling pad, foundation soil shall be examined to assure the actual foundation soil strength meets or exceeds the assumed design bearing strength. Soils not meeting the required strength shall be removed and replaced with soil meeting the design criteria.

Scan for Fortified Installation Method
to be used with soft soils or expanding clays

LEVELING PAD PREPARATION

A minimum 18-in thick layer or compacted granular material shall be placed for use as a leveling pad up to the grades and locations as shown on the construction drawings. The granular base shall be compacted to a firm, level bearing pad on which to place the bottom level of the unit. A leveling pad consisting of 6-in (minimum) thick lean, unreinforced concrete may be used at the contractor's option, or if so detailed on the plans. The leveling pad should extend a minimum of 6-in from the toe and from the heel of the unit base.

GRAVEL FILL

Gravel fill shall be placed to the minimum finished thickness and width shown on the construction plans.

Gravel lifts shall be a maximum thickness of 6-in.

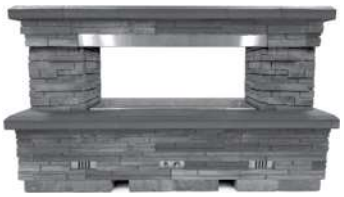
Lifts shall be compacted by three passes of a light weight vibratory plate compactor.

For areas not affected by freeze-thaw conditions please contact your local Belgard sales representative for further installation information.

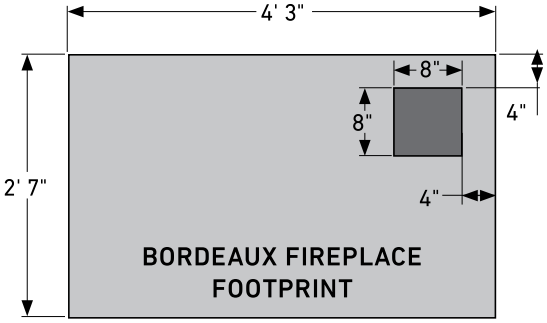
BORDEAUX™ SERIES

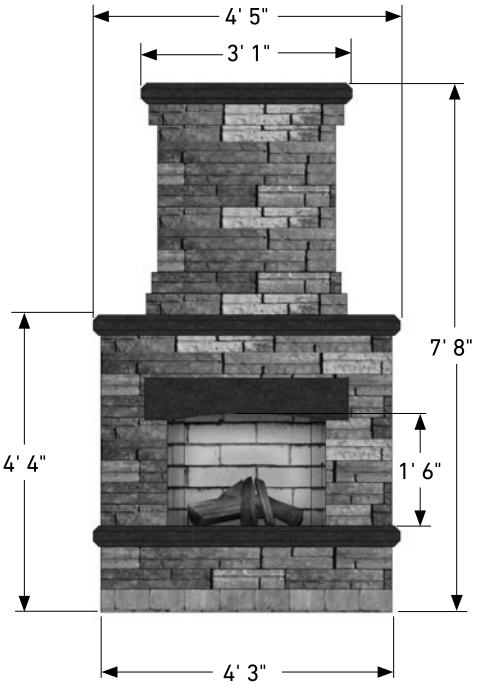
NATURAL COLLECTION

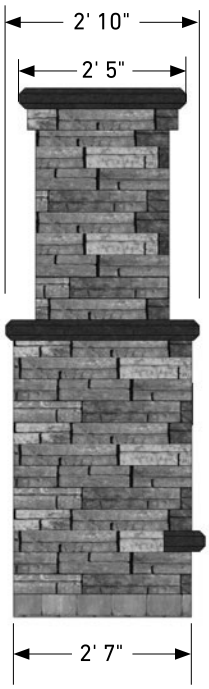
Scan for additional product information



BORDEAUX™ SERIES



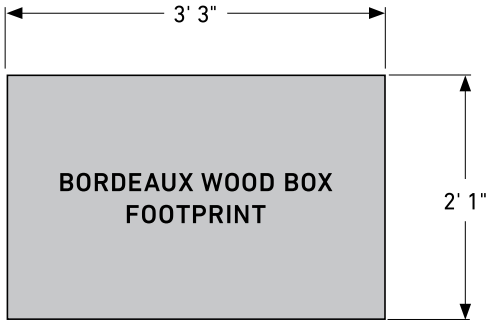


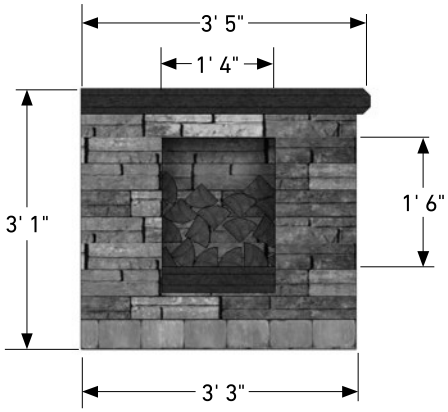


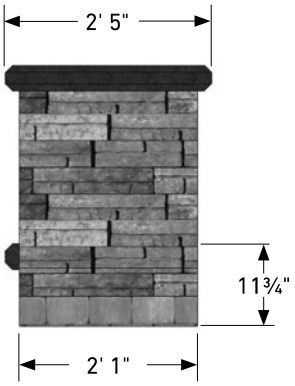
FIREPLACE

Rough Dimensions:
2'7"D x 4'3"W x 7'8"H

Approximate Weight:
4200 lbs.



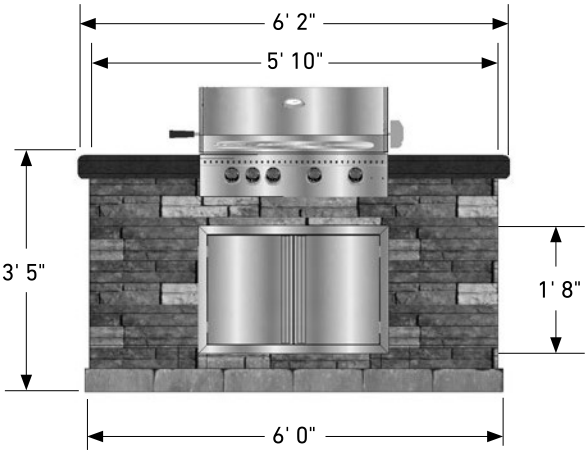




WOOD BOXES

Rough Dimensions:
2'1"D x 3'5"W x 3'1"H

Approximate Weight:
3070 lbs.

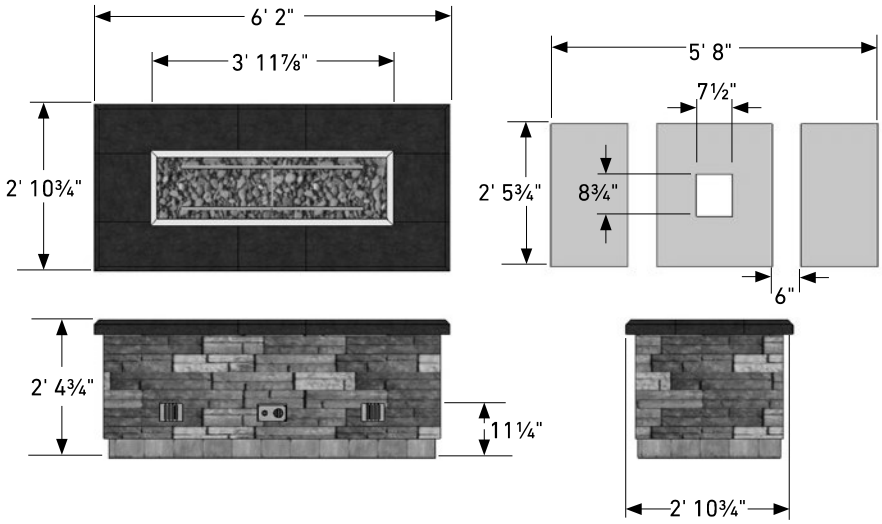


GRILL ISLAND

Rough Dimensions:
2'8"D x 6'W x 3'5"H

Approximate Weight:
2500 lbs.

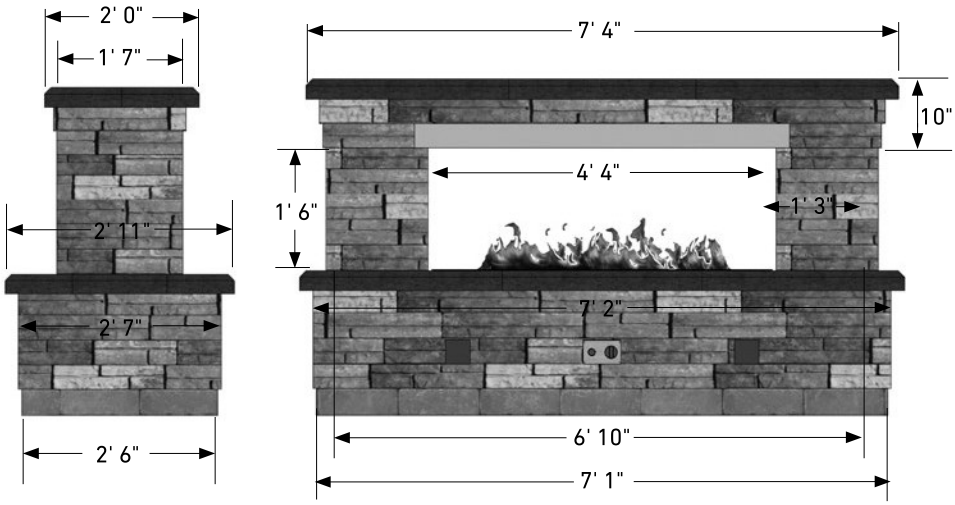
BORDEAUX™ SERIES



LINEAR FIRE TABLE

Rough Dimensions:
2'10¾" D x 6'2" W x 2'4¾" H

Approximate Weight:
2500 lbs.



LINEAR FIREPLACE

Rough Dimensions:
2'6"D x 7'1"W x 5'4"H

Approximate Weight:
3700 lbs.

FIREPLACE

70300791
Bordeaux Wood Fireplace
Colors: Lamina Sienna/Cordova Stone Buff Base + Top

13070014
Bordeaux Wood Fireplace
Colors: Lamina Sienna/Cordova Midnight Base + Top

WOOD BOXES

13140001
Bordeaux Wood Boxes (Pair)
Colors: Lamina Sienna/ Cordova Stone Buff

13140020
Bordeaux Wood Boxes (Pair)
Colors: Lamina Sienna/ Cordova Stone Midnight

36" wood burning fireplace can be converted to a vented gas unit on-site.

GRILL ISLAND

13110010
Bordeaux Grill Island (NG)
Colors: Lamina Sienna/ Cordova Stone Buff + Stainless

13110011
Bordeaux Grill Island (LP)
Colors: Lamina Sienna/ Cordova Stone Buff + Stainless

13110014
Bordeaux Grill Island (NG)
Colors: Lamina Sienna/ Cordova Stone Midnight + Stainless

13110015
Bordeaux Grill Island (LP)
Colors: Lamina Sienna/ Cordova Stone Midnight + Stainless

LINEAR FIREPLACE

13000021
Bordeaux Linear Fireplace
Colors: Sienna/Buff

13000019
Bordeaux Linear Fireplace
Colors: Sienna/Midnight

13000020
Bordeaux Linear Fireplace
Colors: Pewter/Midnight

LINEAR FIRE TABLE

13000023
Bordeaux Linear Fire Table
Colors: Sienna/Buff

13000204
Bordeaux Linear Fire Table
Colors: Sienna/Midnight

13000203
Bordeaux Linear Fire Table
Colors: Pewter/Midnight

FIRE PIT KITS INSTALLATION INSTRUCTIONS

- Always use in accordance with all applicable local and state fire codes
- Failure to follow these instructions could result in a hazardous fire causing property damage or physical injury
- Caution: For outdoor use only
- Use the fire ring on stone, dirt or sand surfaces
- For adult use only — do not allow children to use the fire ring
- Do not use on lawns, wooden decks, concrete or asphalt
- Do not use fire ring indoors or under a patio roof
- Do not use in windy conditions
- Do not leave fire unattended at any time
- Do not use under tree branches, trellis, or overhangs of any kind, including covered porches
- Do not use flammable liquids such as gasoline, alcohol, diesel fuel, kerosene, or charcoal lighter fluid to light or relight fires as this may also cause paint to flake off fire ring
- Care should be taken to make sure all combustible material is far enough away from the fire ring not to ignite it
- Avoid using softwoods such as pine or cedar because they are likely to throw sparks — hardwoods are recommended
- Keep children and pets away from the fire ring while it is in use
- Exercise the same precautions you would with any open fire
- Do not wear flammable or loose clothing when tending an open fire
- Avoid touching surfaces as they will be extremely hot
- Assure the fire is completely extinguished before leaving fire ring
- Any modifications to this appliance may be dangerous and are not permitted

ADDITIONAL MATERIALS NEEDED

- Tamper
- Level
- 2 Bags of Leveling Sand
- 2 Tubes of Concrete Adhesive
- Caulk Gun
- 3 Bags of Gravel or Lava Rock
- Shovel
- Optional Marking Paint or Chalk

EASTON STONE™ FIRE PIT

METROPOLITAN COLLECTION

Scan for additional product information

RESIDENTIAL	COMMERCIAL	STEPS	COLUMNS	FIRE PITS	KITCHEN	FREESTANDING WALL	RETAINING WALL
✓				✓			

SHAPES & SIZES

Round Fire Pit

4 x 8 x 8

4 x 12 x 8

Round Fire Pit:
4 courses
8 large units
10 small units per course

Square Fire Pit

4 x 12 x 8

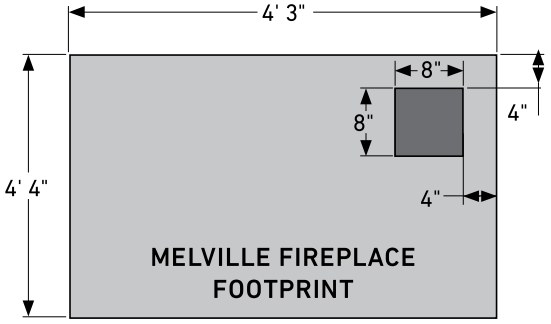
Square Fire Pit:
4 courses
12 units per layer

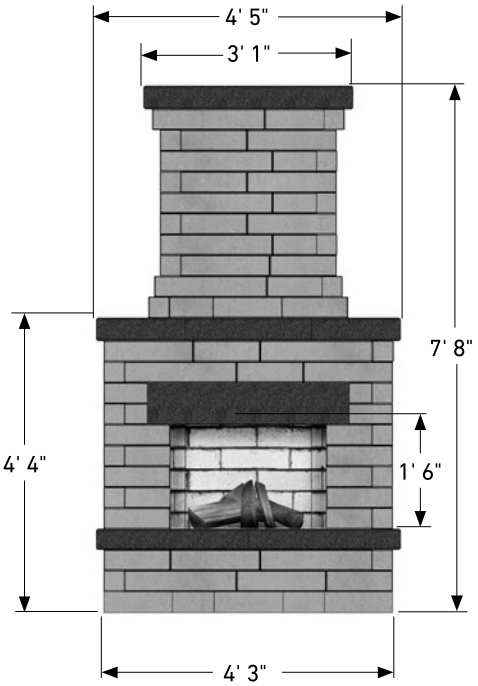
UNIT	INSIDE DIAMETER	OUTSIDE DIAMETER	HEIGHT	ACCESSORIES INCLUDED	WEIGHT/KIT
ROUND FIRE PIT					
JAX, ZH	40 in	55 in	16 in	Metal Insert, Grate and Adhesive	–
SQUARE FIRE PIT					
JAX, ZH	–	–	16 in	Metal Insert, Grate and Adhesive	–

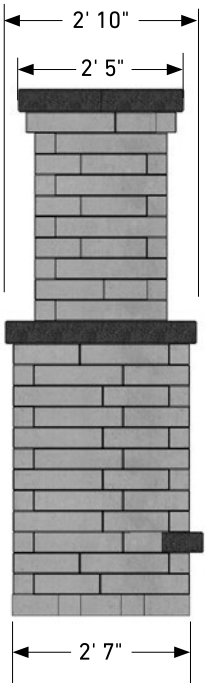
MELVILLE™ SERIES

Scan for additional product information

MELVILLE™ SERIES



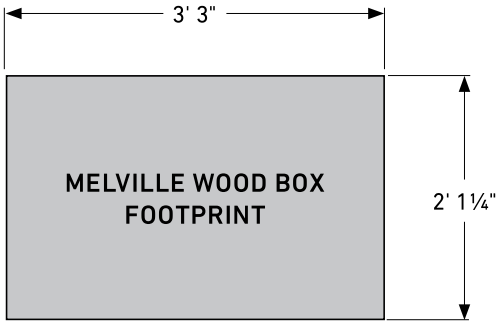


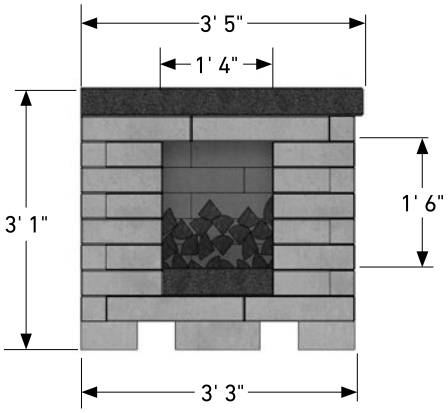


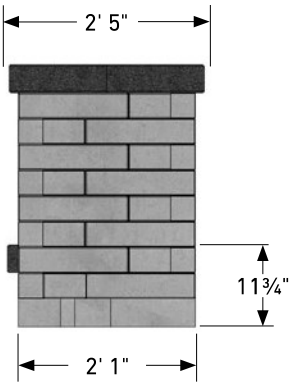
FIREPLACE

Rough Dimensions:
2' 7" D x 4' 3" W x 7' 8" H

Approximate Weight:
4205 lbs.



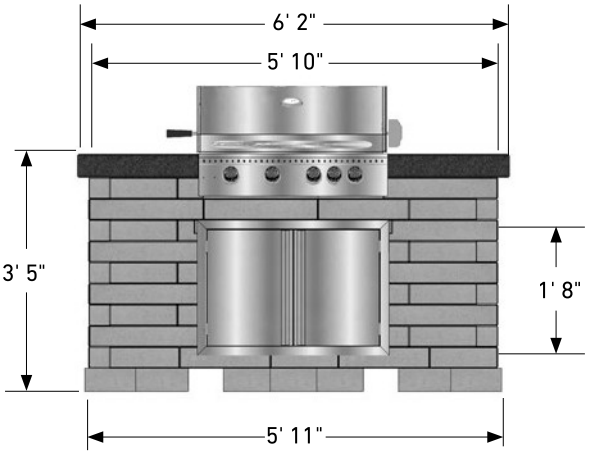




WOOD BOXES

Rough Dimensions:
2' 1" D x 3' 3" W x 3' 1" H

Approximate Weight:
3070 lbs. or 1535 lbs. each



GRILL ISLAND

Rough Dimensions:
2' 8" D x 5' 11" W x 3' 5" H

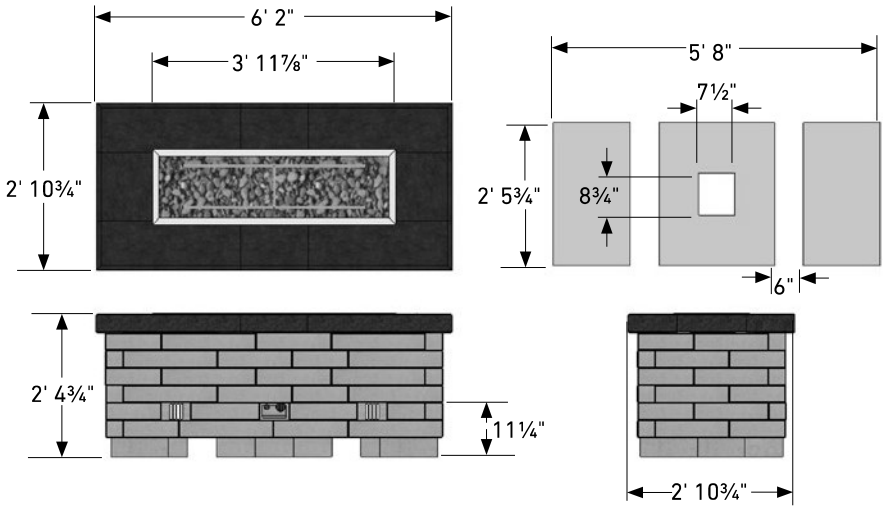
Approximate Weight:
3500 lbs.

MELVILLE™ SERIES

LINEAR FIRE TABLE

Rough Dimensions:
2' 6" D x 5' 8" W x 2' 5" H

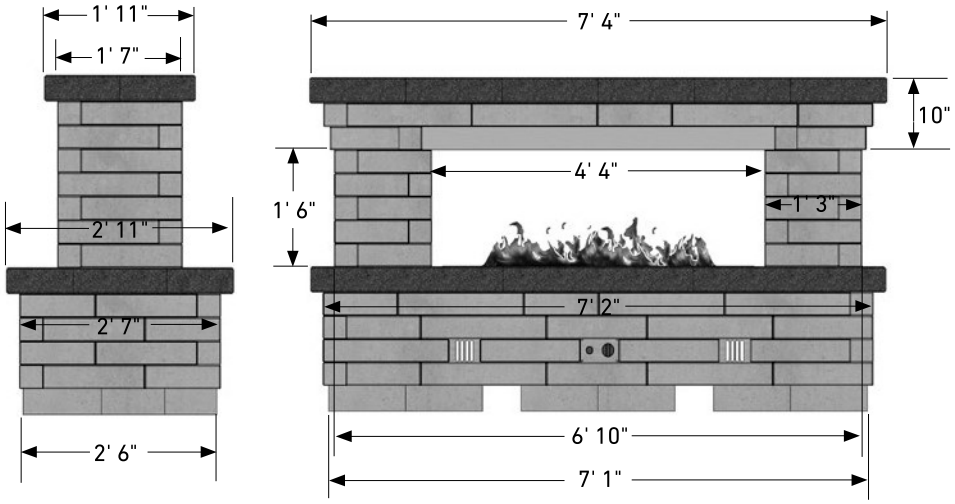
Approximate Weight:
2500 lbs.



LINEAR FIREPLACE

Rough Dimensions:
2' 6" D x 7' 1" W x 5' 4" H

Approximate Weight:
4000 lbs.



FIREPLACE

13070020
Melville Wood Fireplace
Colors: Scandina Gray/Midnight

WOOD BOXES

13140010
Melville Wood Boxes (Pair)
Colors: Scandina Gray/Midnight

36" wood burning fireplace can be converted to a vented gas unit on-site.

GRILL ISLAND

13110028
Melville Grill Island
Colors: Scandina Gray/Midnight

LINEAR FIREPLACE

13000026
Melville Linear Fireplace
Colors: Scandina Gray/Midnight

LINEAR FIRE TABLE

13000027
Melville Linear Fire Table
Colors: Scandina Gray/Midnight

WESTON STONE™ FIRE PIT

HERITAGE COLLECTION

Scan for additional product information

RESIDENTIAL	COMMERCIAL	STEPS	COLUMNS	FIRE PITS	KITCHEN	FREESTANDING WALL	RETAINING WALL
✓				✓			

SHAPES & SIZES

Round Fire Pit

4 x 8 x 8

4 x 12 x 8

Round Fire Pit:
4 courses
8 large units
10 small units per course

Square Fire Pit

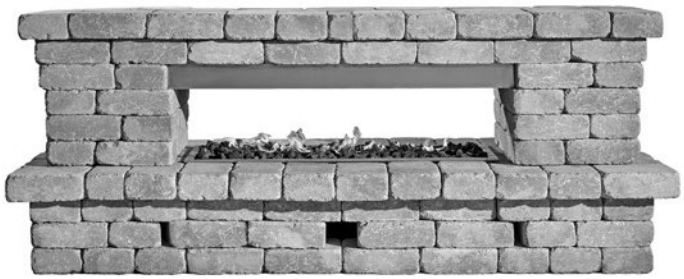
4 x 12 x 8

Square Fire Pit:
4 courses
12 units per layer

UNIT	INSIDE DIAMETER	OUTSIDE DIAMETER	HEIGHT	ACCESSORIES INCLUDED	WEIGHT/KIT
ROUND FIRE PIT					
JAX, ZH	40 in	55 in	16 in	Metal Insert, Grate and Adhesive	–
SQUARE FIRE PIT					
JAX, ZH	–	–	16 in	Metal Insert, Grate and Adhesive	–

WESTON STONE™ KITS

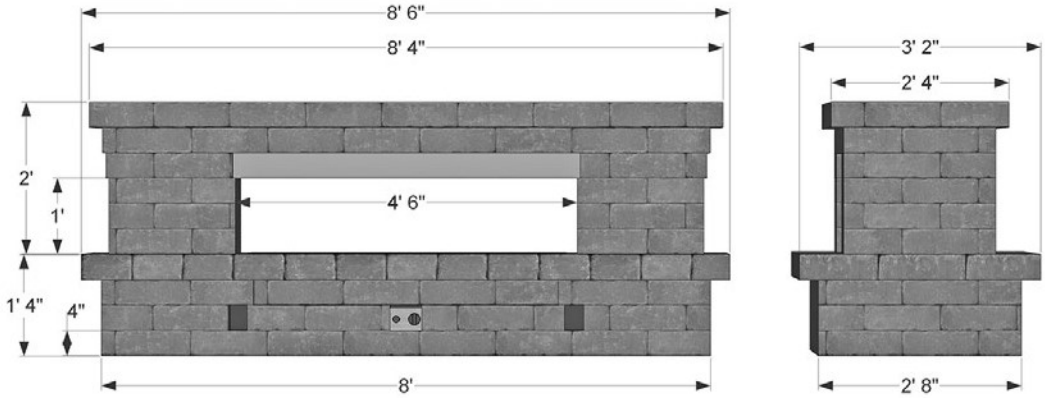
LINEAR FIRE PIT & FIREPLACE



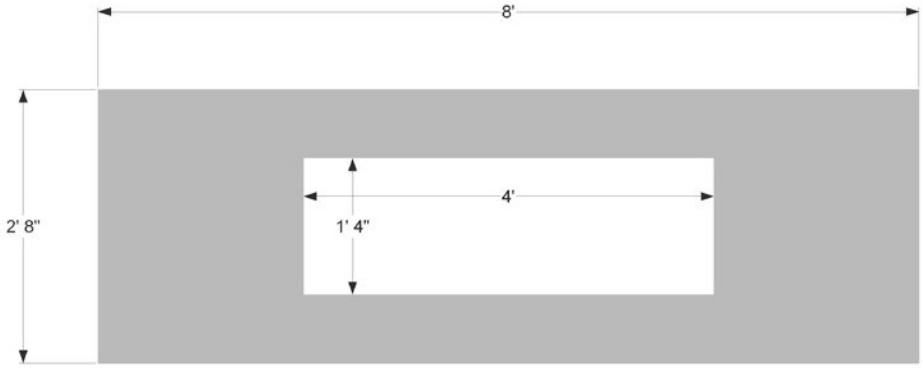
WESTON KIT
Linear Fireplace
Colors: Bella, Toscana, Victorian
Approximate Weight Kit:
Top Portion
2650 lbs.
Bottom Portion
3000 lbs.
Rough Dimensions:
2' 8"D x 8'W x 3' 4"H

LINEAR FIRE PIT AND FIREPLACE INCLUDES

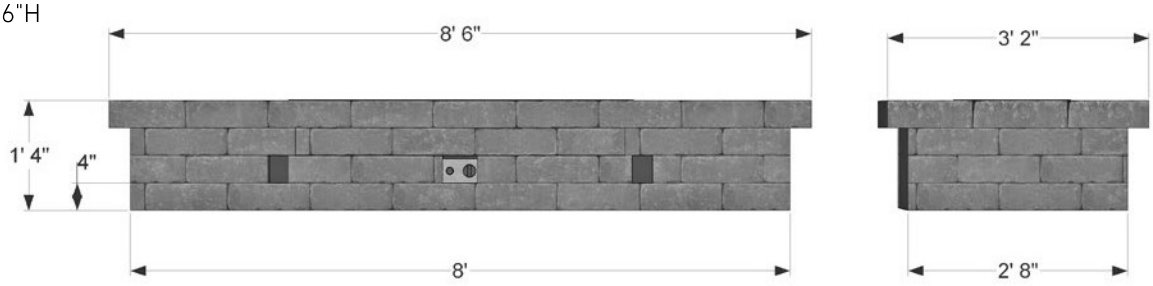
- Insert
- Set up for natural gas. Optional pieces to convert to propane are included in the kits.
- StructureBond, gun and vents are included



Weston Kit Fireplace and Fire Pit Foot Print



WESTON KIT
Linear Fire Pit
Colors: Bella, Toscana, Victorian
Approximate Weight Kit:
3000 lbs.
Rough Dimensions:
2' 8"D x 8'W x 16"H

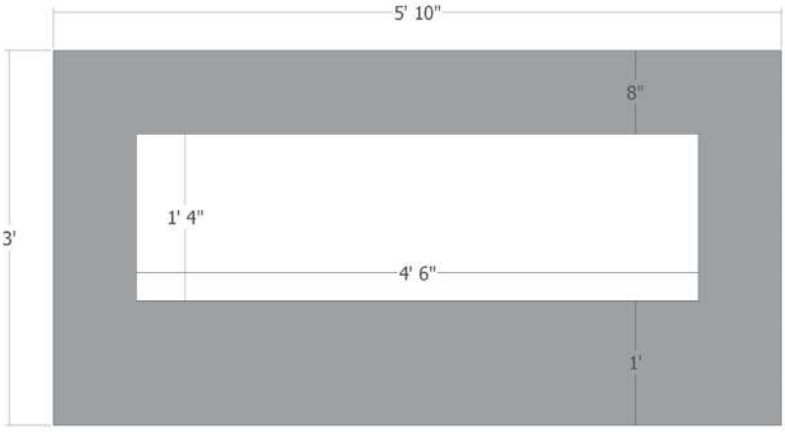


WESTON STONE™ KITS

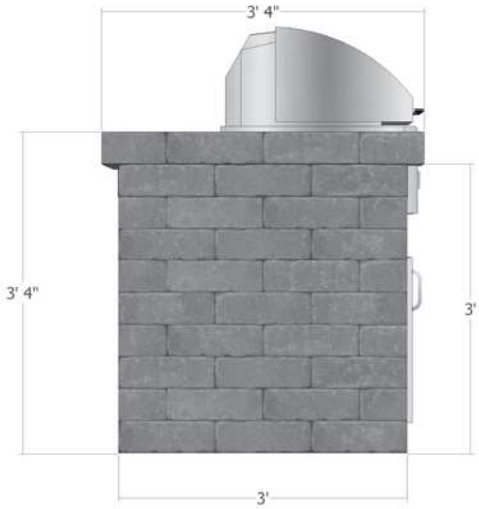
GRILL ISLAND

WESTON KIT
Grill Island
Colors: Bella, Toscana, Victorian
Approximate Weight Kit:
4650 lbs. ~
Rough Dimensions:
3'D x 5' 10"W x 3' 4"H

Weston Kit
Grill Insert Foot Print



GRILL ISLAND INCLUDES
- Stainless Steel Grill
- Stainless Steel Door Set
- StructureBond and gun are included
- Comes stock propane includes natural gas conversion kit



ACCESSORIES

ACCESSORIES

BULLNOSE COPING

Scan for additional product information

RESIDENTIAL	COMMERCIAL	STEPS	CAPS	COPING
✓	✓	✓	✓	✓

SHAPES & SIZES

Coping Unit

4 x 9 x 2⅜

UNIT	LF/ PALLET	LF/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
BULLNOSE							
WPB. HC, LA, JAX	–	–	8	336	–	–	2028

FOUNTAINHEAD COPING

Scan for additional product information

RESIDENTIAL	COMMERCIAL	STEPS	CAPS	COPING
✓	✓	✓		✓

SHAPES & SIZES

Coping Unit

4 x 9 x 1 3/16
*4 inch drop

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
FOUNTAINHEAD							
4 X 9 X 1 3/16	–	–	5	180	36	–	1632

OCEANSIDE COPING

Scan for additional product information

RESIDENTIAL	COMMERCIAL	STEPS	CAPS	COPING
✓	✓	✓	✓	✓

SHAPES & SIZES

60mm

4 x 9 x 2⅜

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
			60MM				
HC	336	–	–	–	–	–	2028

SEVILLE COPING

Scan for additional product information

RESIDENTIAL	COMMERCIAL	STEPS	CAPS	COPING
✓	✓	✓		✓

SHAPES & SIZES

Coping Unit

4 x 9 x 1 3/16
*2 1/2 inch drop

UNIT	SQFT/ PALLET	SQFT/ LAYER	LAYER/ PALLET	UNITS/ PALLET	UNITS/ LAYER	UNITS/ SQFT	WEIGHT/ PALLET
SEVILLE							
HC, WPB	–	–	8	336	42	–	2028

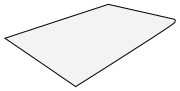
UNICO

Scan for additional product information

RESIDENTIAL	COMMERCIAL	STEPS	CAPS	COPING
✓	✓	✓	✓	✓

SHAPES & SIZES

Unit



12.99 x 23.54 x ¾

UNIT	WEIGHT/ BOX	PIECES/ BOX	SQFT/ BOX	BOXES/ PALLET	LNFT/ PALLET	PALLET WEIGHT
			UNIT			
12.99 X 23.54 X ¾	52	3	6	40	240	2080

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Fx: 904-713-9985

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Orlando, FL 32824
Ph: 800-226-9117
Fx: 407-851-9316

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Sarasota, FL 34237
Ph: 941-957-3933
Fx: 941-366.1343

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Tampa, FL 33604
Ph: 800-356-7283
Fx: 813-933-4914

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West Palm Beach, FL 33407
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Fx: 561-844-5454

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Fx: 352-377-2604

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Fx: 407-331-6150

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Fx: 813-886-8822

2902 Warehouse Road
Ft. Myers, FL 33916
Ph: 239-334-8022
Fx: 239-334-0870

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Fx: 813-783-2728

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Ph: 954-972-7400
Fx: 855-265-5169

1980 Marley Drive
Haines City, FL 33844
Ph: 863-421-7422
Fx: 863-421-1250

421 Leonard Blvd North
Lehigh Acres, FL 33971
Ph: 239-368-9700
Fx: 239-368-3924

28 Gene Hurley Road
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