



BELGARD®

JEWELL RESOURCE GUIDE

WHY BELGARD®?

Our purpose is to make outside your kind of beautiful. This goes beyond turning creativity and craftsmanship into lasting outdoor spaces. It means bringing your vision to life, together. Because with Belgard, you get more than just beautiful products, you get a partner to help you every step of the way.

INSPIRATION. Ignite your creativity with our online visualizer tool—designed to help you explore and experiment with different styles and design principles.

Visit: Belgard.com/Seeit

EXPERTISE. Our network of Belgard Authorized Contractors are ICPI* trained and must pass specific Belgard requirements to deliver superior craftsmanship, ensuring your outdoor space features only the most contemporary work.

*Interlocking Concrete Pavement Institute

Find a contractor: Belgard.com/Locator

PEACE OF MIND. Not only do we stand behind our products with a lifetime limited warranty, but Belgard is also the only hardscapes company backed by the Good Housekeeping Seal for quality and assurance.

Visit: Belgard.com/GHseal and Belgard.com/Warranty

FLEXIBILITY. We offer same-as-cash financing options and payment plans to help you realize your vision on your budget. Belgard Preferred Payment is available through select Belgard Authorized Contractors and Dealers.

Visit: Belgard.com/BPP



ABOUT US

At Belgard®, our uncompromising quality and craftsmanship sets the standard for hardscapes, landscape design and innovation. Our products combine weather-resistant beauty and long-lasting durability to create captivating outdoor spaces that last for decades with minimal maintenance. And our remarkably natural look and feel is unrivaled in the industry.

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.

Stay connected with Belgard® for design inspiration, entertaining ideas, contests, recipes and more.



Belgard.com/Enews



Facebook.com/BelgardHardscapes



YouTube.com/BelgardHardscapes



Belgard.com/Blog



Pinterest.com/Belgard



Twitter.com/Belgard

PEACE OF MIND, GUARANTEED

Lifetime Transferable Limited Warranty

Oldcastle Architectural, 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 ICPI. 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 the ICPI (www.ICPI.org), The NCMA (www.ncma.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 is installed by a Belgard Authorized Contractor who guarantees their workmanship for a minimum of 2 years from the date of install.

For warranty service, contact Belgard at **1-800-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 more information, please visit us at:

Belgard.com/GHseal and Belgard.com/Warranty



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EASY REFERENCE



BELGARD®



PREFERRED PAYMENT

Get started with Same-as-Cash financing available only through
Belgard Authorized & Participating Contractors.

3/6/12/18 MONTH PAYMENT OPTIONS

BENEFITS:

- No payments and no interest on approved credit
- 100% unsecured financing up to \$55,000 on approved credit*
- A quick, easy and safe toll-free loan-by-phone application process
- A fast credit decision in about 10 minutes
- No paperwork
- Peace of mind because you provide your personal financial information directly to the bank and not to your contractor or online
- No application fee, no closing costs and no prepayment penalties

Do you have questions? Are you ready to get started?

Go to Belgard.com/locator to find a participating contractor.

*"We had originally planned to phase out our makeover plans over a couple of years. **Belgard Preferred Payment** allowed us to do all of the work at once without overextending our budget by spreading the cost out over time with zero interest."*

*— Christi Simoneaux,
homeowner, regarding her
recent backyard makeover*



* EnerBank USA has helped tens of thousands of homeowners get the payment options they need to fulfill their home improvement and remodeling dreams. EnerBank USA is a wholly owned subsidiary of CMS Energy Corp., which is traded on the New York Stock Exchange under the symbol CMS. Loans provided by EnerBank USA (1245 E. Brickyard Rd., Suite 640, Salt Lake City, UT 84106) on approved credit, for a limited time. Repayment terms vary from 15 to 138 months. 16.72% fixed APR, effective as of June 1, 2014, is subject to change. Interest waived if repaid before loan due date.

Belgard Preferred Payment is only available in the United States

DESIGN STUDIO

Research has shown that 3D design has a
significant competitive advantage.

THE PROCESS:

STEP 1: Gather

Estimate Site Measurements - Capture Site Photos

Complete Project Sketch/Design - Establish Product Preferences

STEP 2: Submit

Belgard.com/designstudio - Submit Project Data

STEP 3: Receive

4-5 Day Turnaround - 4 Perspective Photos - Overhead Photo

Estimated Material List & Video upon Request

TOP THREE REASONS TO USE BELGARD DESIGN STUDIO:

Reason 1: It's **FREE** to Belgard Authorized Contractors

Reason 2: It works - closure rates from our users average 80%

Reason 3: It's easy to use - either laptop or mobile device



BEFORE



AFTER



DESIGN



Belgard.com/designstudio

"BDS completed designs help tremendously with explaining the intended result with our skilled staff and supervisors. It is also great to see the before photos, design, and after picture to see how we have taken an outdoor living project from concept to complete."

*— Ben Pamplin,
President of Heart of Texas
Landscape and Irrigation*








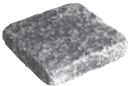
PAVERS & SLABS

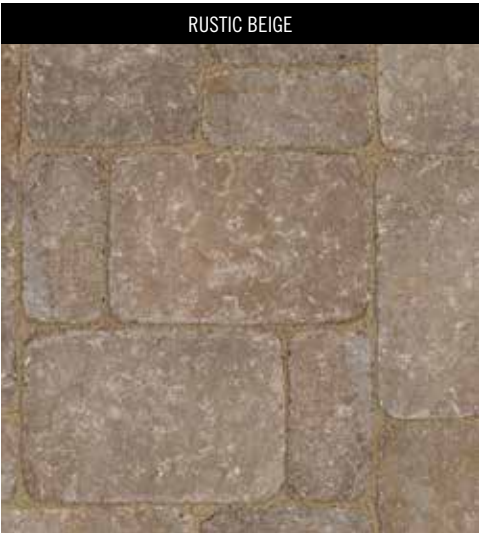
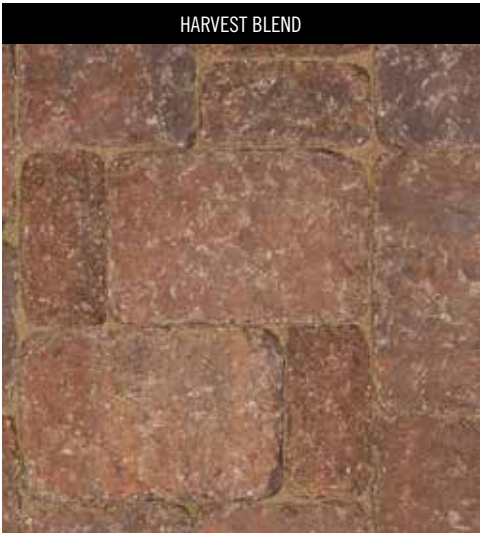
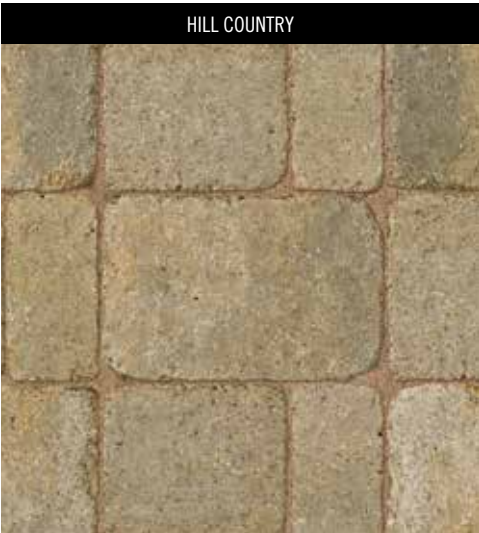
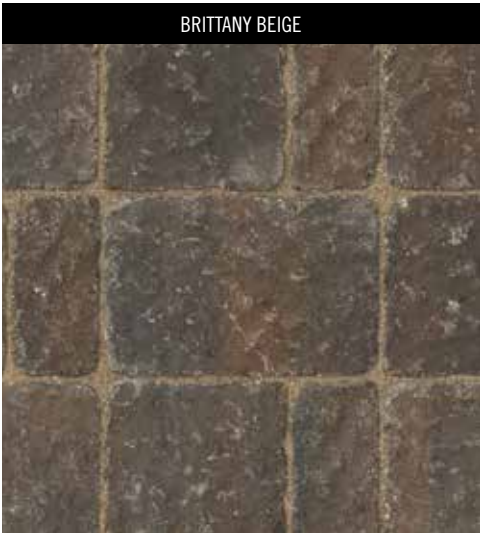
BERGERAC[®] 3-PIECE

Paver



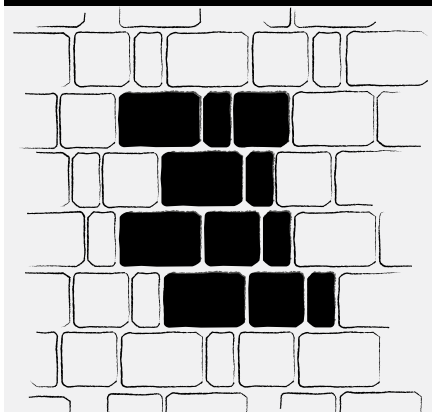
PRODUCT SPECIFICATIONS

A 3-Piece Combo	
7 1⁄16 x 3 9⁄16 x 2 3⁄8	
7 1⁄16 x 7 1⁄16 x 2 3⁄8	
7 1⁄16 x 10 5⁄8 x 2 3⁄8	
B Large Square	
10 5⁄8 x 10 5⁄8 x 2 3⁄8	

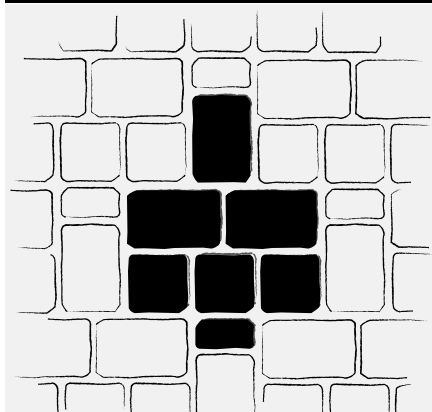


BERGERAC LAYING GUIDE

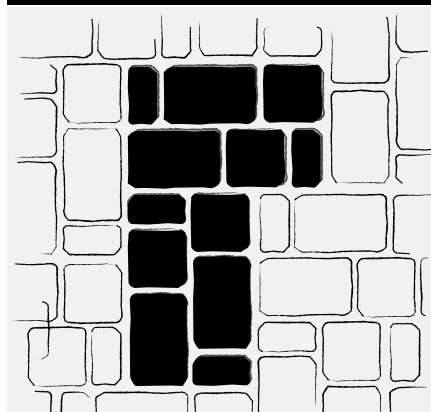
3-PIECE RANDOM RUNNING BOND



3-PIECE - PATTERN B



3-PIECE - PATTERN C



For more pattern options visit belgard.com/products/pavers

NOTES

PALLET INFORMATION/ ESTIMATING CHART




UNIT	SqFt/ Pallet	SqFt/ Layer	Layer/Pallet	Units/Pallet	Units/Layer	LnFt Pallet (Soldier)	LnFt Pallet (Sailor)	Units/SqFt	SqFt/Units	Weight/Layer	Weight/Pallet
A	16	1.6	-	70	7	-	-	4.17	.229	-	-
	39	3.97	-	130	13	-	-	3.31	.306	-	-
	57	5.73	-	150	15	-	-	2.76	.382	-	-
Total	113.30	11.3	10	440	44	123	194	-	-	365 LBS	2,832 LBS
B	94.2	9.42	10	90	9	102	-	5.64	.153	-	2,260 LBS

CAMBRIDGE COBBLE® 3-PIECE

Paver



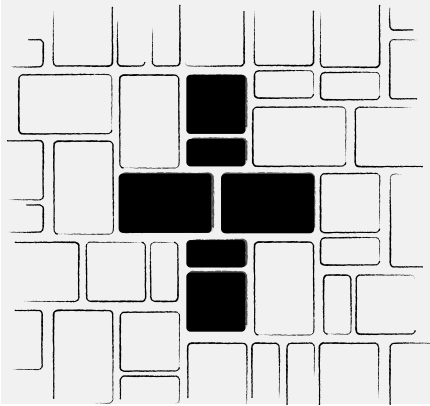
PRODUCT SPECIFICATIONS

3-Piece Modular	
6 x 3 x 2 3⁄8	
6 x 6 x 2 3⁄8	
6 x 9 x 2 3⁄8	



CAMBRIDGE COBBLE LAYING GUIDE

3-PIECE



For more pattern options visit belgard.com/products/pavers

NOTES

PALLET INFORMATION/ ESTIMATING CHART







UNIT	SqFt/ Pallet	SqFt/ Layer	Layer/Pallet	Units/Pallet	Units/Layer	LnFt Pallet (Soldier)	LnFt Pallet (Sailor)	Units/SqFt	SqFt/Units	Weight/Layer	Weight/Pallet
A	120	12	10	-	-	160	240	-	-	-	3,000 LBS

CATALINA SLATE™

Paver



PRODUCT SPECIFICATIONS

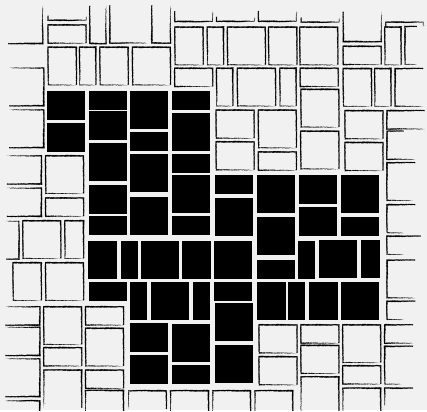
A 3-Piece Modular		B 3-Piece Stone	
3 x 6 x 2 3/8		6 x 12 x 2 3/8	
6 x 6 x 2 3/8		9 x 12 x 2 3/8	
9 x 6 x 2 3/8		12 x 12 x 2 3/8	

Contact your Belgard Sales Representative for local colors.

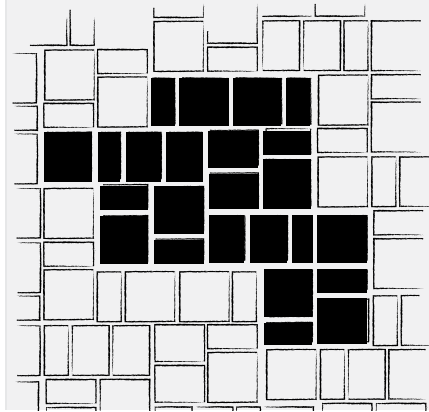


CATALINA SLATE LAYING GUIDE

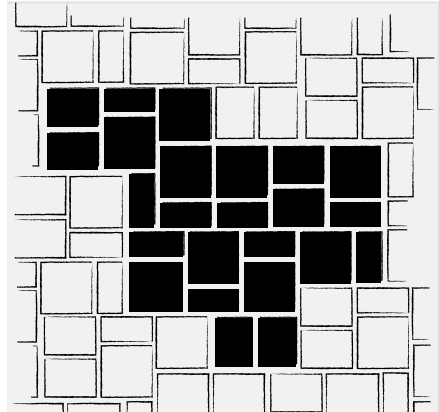
LARGE UNIT PATTERN



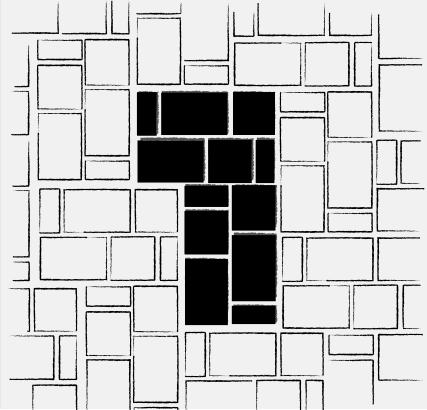
LARGE UNIT PATTERN



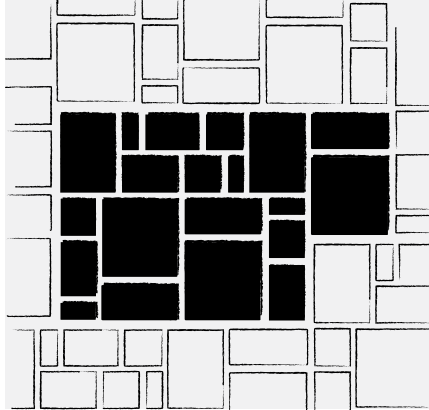
SMALL UNIT PATTERN



SMALL UNIT PATTERN



SMALL & LARGE UNIT PATTERN



For more pattern options visit belgard.com/products/pavers

NOTES

PALLET INFORMATION/ ESTIMATING CHART

UNIT	SqFt/ Pallet	SqFt/ Layer	Layer/Pallet	Units/Pallet	Units/Layer	LnFt Pallet (Soldier)	LnFt Pallet (Sailor)	Units/SqFt	SqFt/Units	Weight/Layer	Weight/Pallet
A	120	12	10	-	-	-	-	-	-	-	3,225 LBS
B	120	12	10	-	-	-	-	-	-	-	3,300 LBS

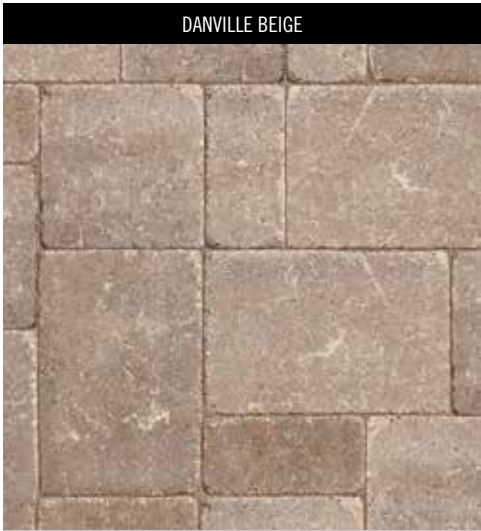
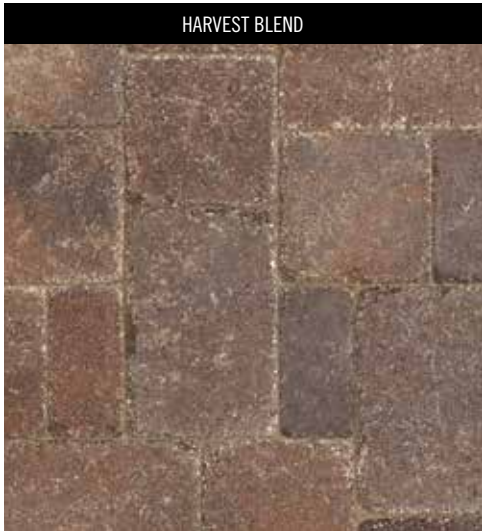
DUBLIN COBBLE® 3-PIECE & CIRCLE KIT

Paver

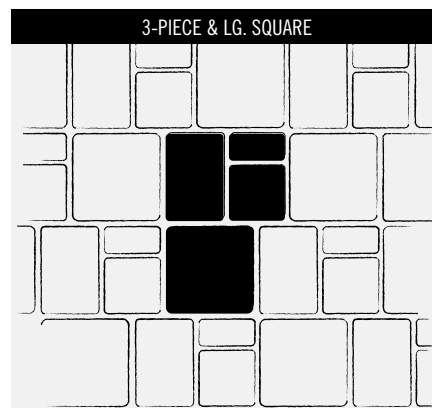
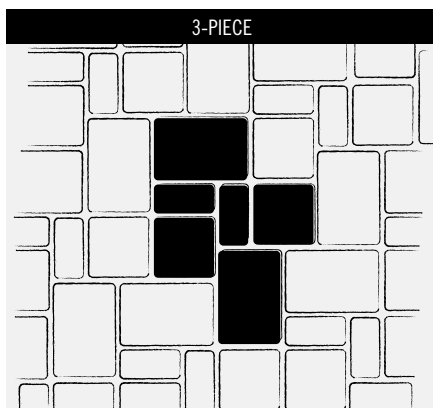
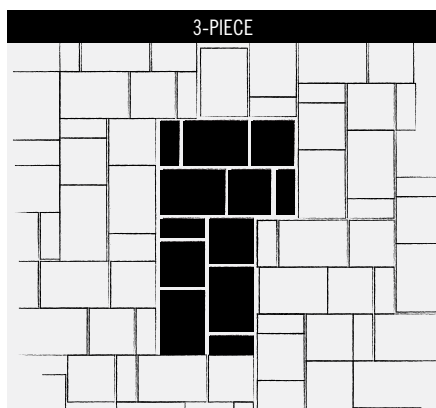


PRODUCT SPECIFICATIONS

A	3-Piece Modular
6 x 3 x 2 3/4"	
6 x 6 x 2 3/4"	
6 x 9 x 2 3/4"	
B	Large Square
9 x 9 x 2 3/4"	
C	Circle Kit
6 x Variable x 2 3/4"	



DUBLIN COBBLE LAYING GUIDE



DUBLIN CIRCLE LAYING GUIDE



*Mold Filler Piece "A"



*Mold Filler Piece "B"



2 3/8" x 5 13/16" x 5"



2 3/8" x 5 13/16" x 5 13/16"



2 3/8" x 5 13/16" x 5 13/16"



2 3/8" x 5 13/16" x (6 5/8" - 2 3/8")



2 3/8" x 5 13/16" x (5 3/8" - 3 3/8")



2 3/8" x 5 13/16" x 5 13/16"



2 3/8" x 5 13/16" x 5 13/16"

One Pallet can create (1) circle 9 feet, 5 inches in diameter or two (2) circles 6 feet, 5 inches in diameter.



* Each pallet layer contains one Mold Filler Piece A and B. They are not used in the Dublin Circle Layout. Each piece is accounted for in weights mentioned in the table below. Square footage does not account for these pieces. Their purpose is solely for packaging and shipping stability.

For more pattern options visit belgard.com/products/pavers

PALLET INFORMATION/ ESTIMATING CHART

UNIT	SqFt/ Pallet	SqFt/ Layer	Layer/Pallet	Units/Pallet	Units/Layer	LnFt Pallet (Soldier)	LnFt Pallet (Sailor)	Units/SqFt	SqFt/Units	Weight/Layer	Weight/Pallet
A	20.84	1.89	-	176	16	-	-	8.38	.118	-	-
	44.98	3.91	-	176	16	-	-	4.09	.244	-	-
	64.20	5.84	-	176	16	-	-	2.75	.365	-	-
Total	127.9	11.63	11	528	48	170	256	-	-	322 LBS	3,200 LBS
B	120	10.9	11	220	20	160	-	1.835	.547	287 LBS	3,240 LBS
C	73	-	10	-	-	-	-	-	-	-	2,121 LBS

HOLLAND STONE

Paver



PRODUCT SPECIFICATIONS

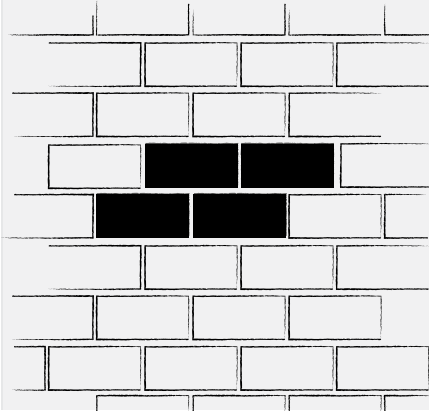
A 60MM Holland Stone	
4 x 8 x 2 3/8"	
B 80MM Holland Stone	
4 x 8 x 3 1/8"	



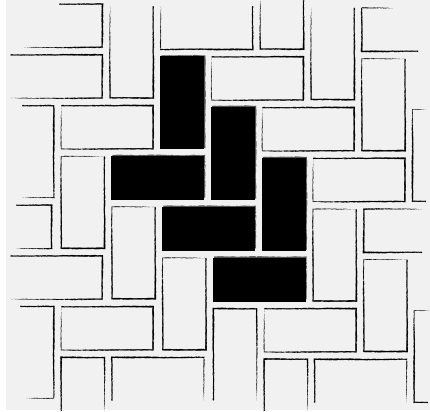
*Special Order Only

HOLLAND STONE LAYING GUIDE

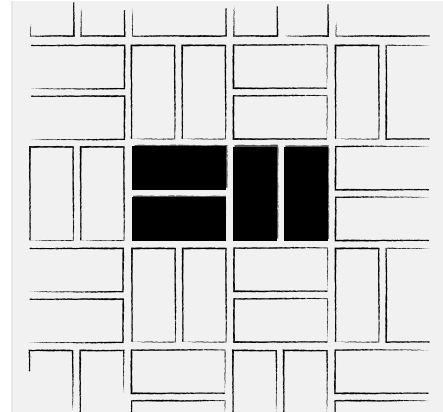
RUNNING BOND



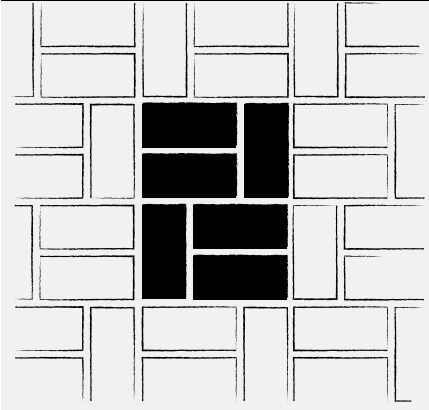
90° HERRINGBONE



BASKET WEAVE



MODIFIED BASKET WEAVE



For more pattern options visit belgard.com/products/pavers

NOTES

PALLET INFORMATION/ ESTIMATING CHART


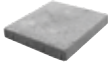
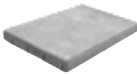
UNIT	SqFt/ Pallet	SqFt/ Layer	Layer/Pallet	Units/Pallet	Units/Layer	LnFt Pallet (Soldier)	LnFt Pallet (Sailor)	Units/SqFt	SqFt/Units	Weight/Layer	Weight/Pallet
A	120	12	10	540	54	180	360	4.54	.209	320 LBS	3,100 LBS
B	96	12	8	432	54	144	288	4.54	.209	432 LBS	3,200 LBS

LAFITT™ GRANA SLAB

Slab

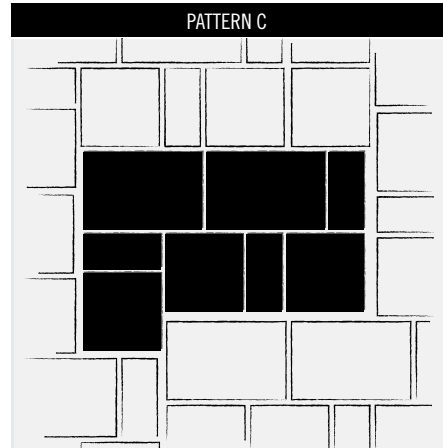
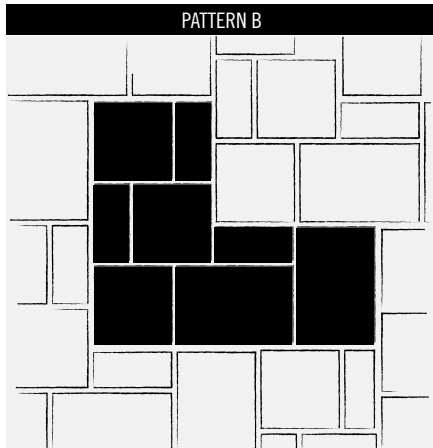
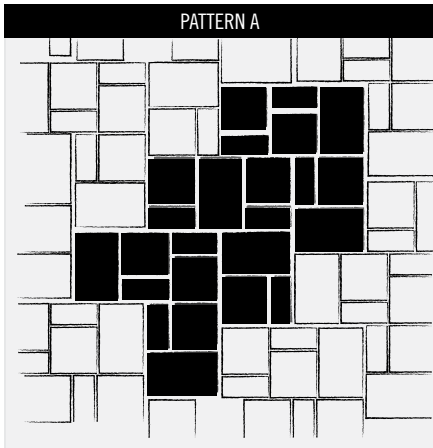


PRODUCT SPECIFICATIONS

3-Piece Modular	
14 7⁄8 x 7 3⁄8 x 2	
14 7⁄8 x 14 7⁄8 x 2	
14 7⁄8 x 22 5⁄8 x 2	



LAFITT GRANA SLAB LAYING GUIDE



For more pattern options visit belgard.com/products/pavers

NOTES

PALLET INFORMATION/ ESTIMATING CHART


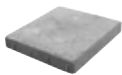
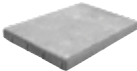
UNIT	SqFt/ Pallet	SqFt/ Layer	Layer/Pallet	Units/Pallet	Units/Layer	LnFt Pallet (Soldier)	LnFt Pallet (Sailor)	Units/SqFt	SqFt/Units	Weight/Layer	Weight/Pallet
A	163.2	11.65	14	-	-	89	130	-	-	-	3,673 LBS

LAFITT™ RUSTIC SLAB

Slab



PRODUCT SPECIFICATIONS

A	3-Piece Combo
Large Square	
14 7⁄8 x 7 7⁄8 x 2	
Large Square	
14 7⁄8 x 14 7⁄8 x 2	
Large Rectangle	
14 7⁄8 x 22 5⁄8 x 2	

BRITTANY BEIGE



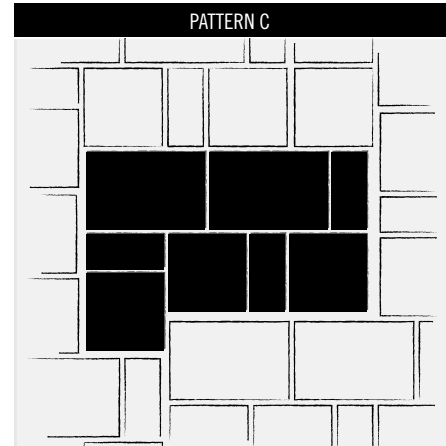
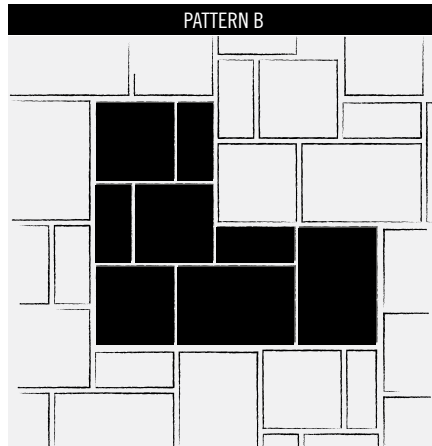
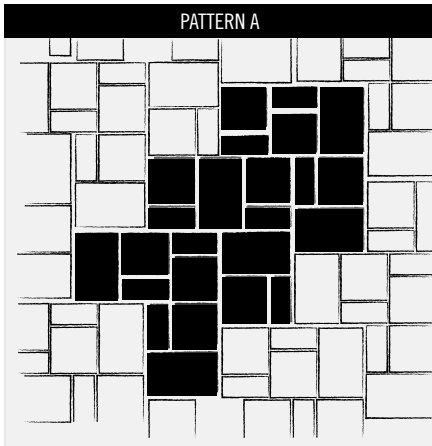
DANVILLE BEIGE



HILL COUNTRY



LAFITT RUSTIC SLAB LAYING GUIDE



For more pattern options visit belgard.com/products/pavers

NOTES

PALLET INFORMATION/ ESTIMATING CHART

UNIT	SqFt/ Pallet	SqFt/ Layer	Layer/Pallet	Units/Pallet	Units/Layer	LnFt Pallet (Soldier)	LnFt Pallet (Sailor)	Units/SqFt	SqFt/Units	Weight/Layer	Weight/Pallet
A	163.2	11.65	14	-	-	89	130	-	-	-	3,673 LBS

MEGA-ARBEL®

Paver



PRODUCT SPECIFICATIONS

Mega-Arbel 60MM	
15 3⁄8 x 21 x 2 3⁄8	

BRITTANY BEIGE



DANVILLE BEIGE



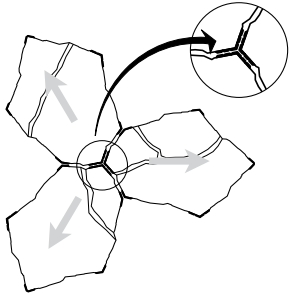
OKLAHOMA FLAGSTONE



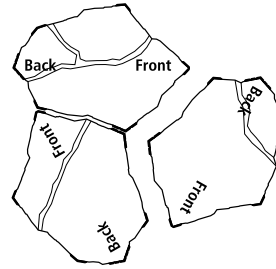
MEGA-ARBEL LAYING GUIDE

Before you start, familiarize yourself with the Mega Arbel pavers. Begin by placing 3 pavers together to form a cloverleaf.

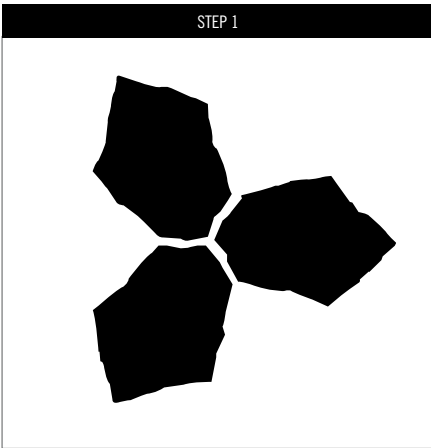
A set of 3 pavers forming a cloverleaf



To make the installation easier, the front of the paver should point to the back of the other paver.

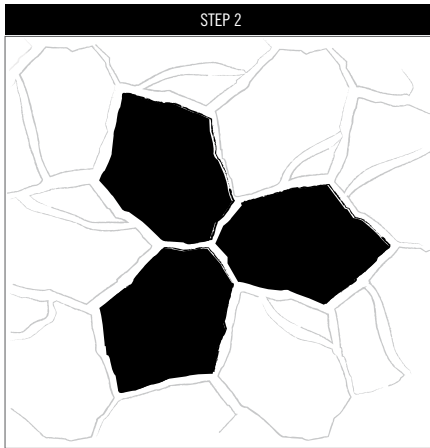


STEP 1



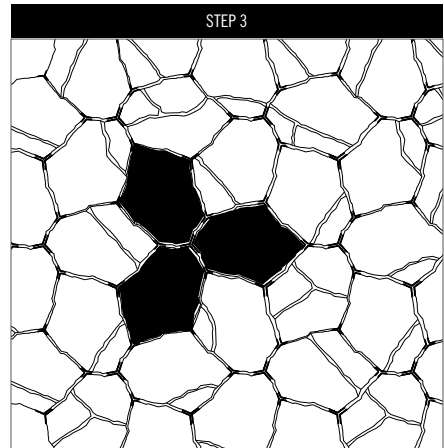
Begin by laying 3 pavers at the center of the surface to be covered.

STEP 2



Add more sets of cloverleaves to fill in the surface to be covered.

STEP 3



Complete the balance of the surface to be covered with single pavers.

For more pattern options visit belgard.com/products/pavers

NOTES

PALLET INFORMATION/ ESTIMATING CHART



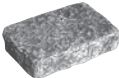
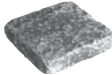
UNIT	SqFt/ Pallet	SqFt/ Layer	Layer/Pallet	Units/Pallet	Units/Layer	LnFt Pallet (Soldier)	LnFt Pallet (Sailor)	Units/SqFt	SqFt/Units	Weight/Layer	Weight/Pallet
A	103.41	8.62	12	-	-	-	-	-	-	-	2,792 LBS

MEGA-BERGERAC[®]

Paver



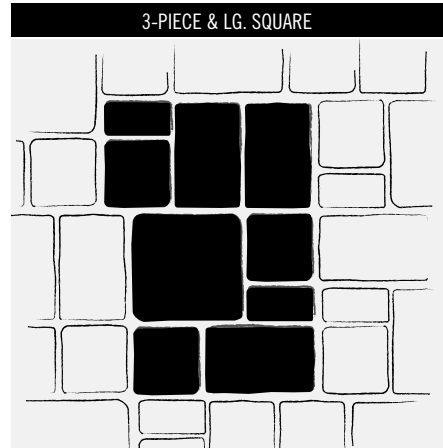
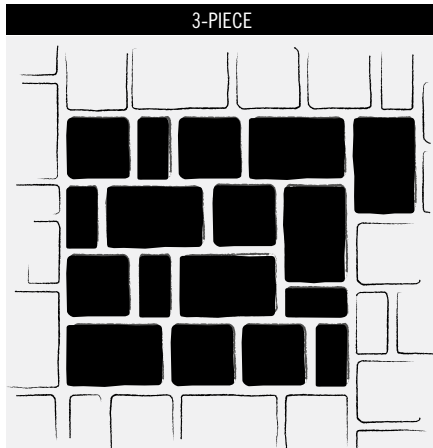
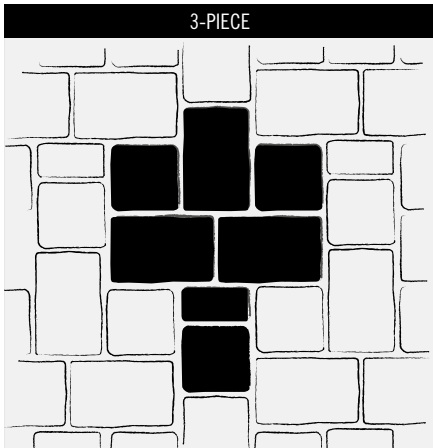
PRODUCT SPECIFICATIONS

A	3-Piece Modular*	
9 7⁄16 x 4 3⁄4 x 3 1⁄8		
9 7⁄16 x 9 7⁄16 x 3 1⁄8		
9 7⁄16 x 14 3⁄16 x 3 1⁄8		
B	Large Square*	
14 3⁄16 x 14 3⁄16 x 3 1⁄8		

*Special Order Only



MEGA-BERGERAC LAYING GUIDE



For more pattern options visit belgard.com/products/pavers

NOTES

PALLET INFORMATION/ ESTIMATING CHART




UNIT	SqFt/ Pallet	SqFt/ Layer	Layer/Pallet	Units/Pallet	Units/Layer	LnFt Pallet (Soldier)	LnFt Pallet (Sailor)	Units/SqFt	SqFt/Units	Weight/Layer	Weight/Pallet
A	13.95	1.55	-	45	5	-	-	3.21	.31	-	-
	33.48	3.72	-	54	6	-	-	1.61	.62	-	-
	50.22	5.58	-	54	6	-	-	1.08	.93	-	-
Total	97.65	10.85	9	153	17	84	123	-	-	375 LBS	3,320 LBS
B	75.33	8.37	9	54	6	65	-	.72	1.4	290 LBS	2,561 LBS

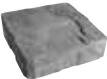
MEGA-LAFITT™

Paver



PRODUCT SPECIFICATIONS

A	3-Piece Modular*
10 1/2 x 5 1/4 x 3 1/8	
10 1/2 x 10 1/2 x 3 1/8	
10 1/2 x 15 3/4 x 3 1/8	

B	Large Square*
15 3/4 x 15 3/4 x 3 1/8	

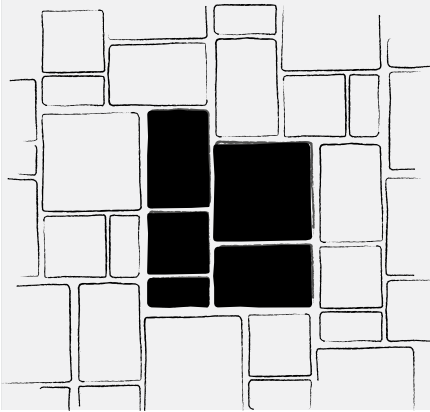
**Special Order Only*

Contact your Belgard Sales Representative for local colors.

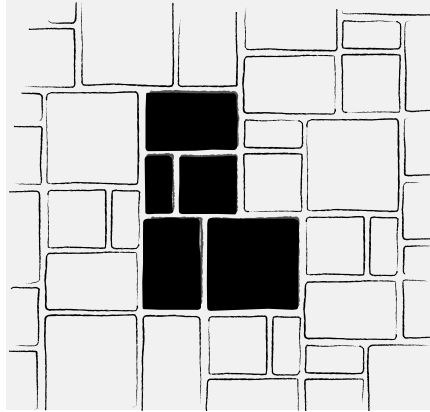


MEGA-LAFITT LAYING GUIDE

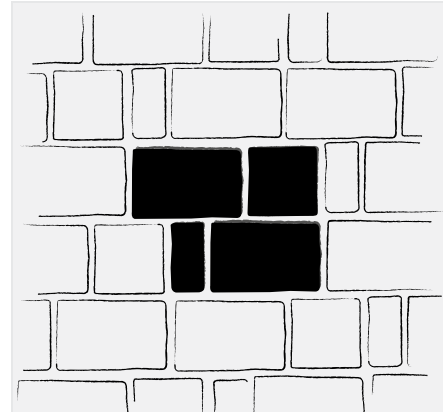
3-PIECE & LARGE SQUARE - PATTERN A



3-PIECE & LARGE SQUARE - PATTERN B



3-PIECE RUNNING BOND



For more pattern options visit belgard.com/products/pavers

NOTES

PALLET INFORMATION/ ESTIMATING CHART


UNIT	SqFt/ Pallet	SqFt/ Layer	Layer/Pallet	Units/Pallet	Units/Layer	LnFt Pallet (Soldier)	LnFt Pallet (Sailor)	Units/SqFt	SqFt/Units	Weight/Layer	Weight/Pallet
A	92.66	10.3	9	-	-	70	106	-	-	-	3,521 LBS
B	93.02	10.34	9	-	-	70	-	-	-	-	3,534 LBS

MODULINE SERIES™ 3 x 12

Paver



PRODUCT SPECIFICATIONS

Moduline 3 x 12	
3 x 12 x 2 3/8	

ALMOND



DESERT



FOUNDRY



GRAPHITE



LINEN



RUST



SUEDE



SUNSET

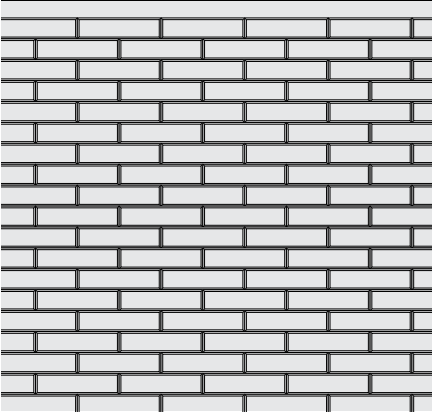


TRUFFLE

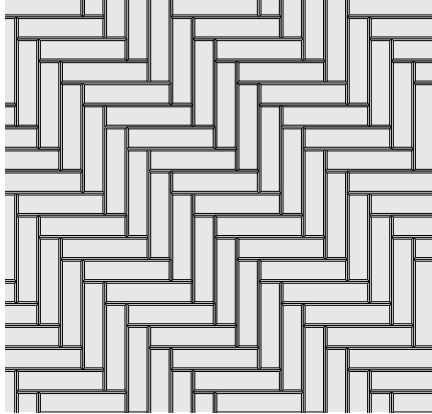


MODULINE 3 X 12 LAYING GUIDE

RUNNING BOND



90° HERRINGBONE



For more pattern options visit belgard.com/products/pavers

NOTES

PALLET INFORMATION/ ESTIMATING CHART




UNIT	SqFt/ Pallet	SqFt/ Layer	Layer/Pallet	Units/Pallet	Units/Layer	LnFt Pallet (Soldier)	LnFt Pallet (Sailor)	Units/SqFt	SqFt/Units	Weight/Layer	Weight/Pallet
A	120	12	10	540	54	180	360	4.54	.209	320 LBS	3,100 LBS

OLD WORLD PAVER™

Paver



PRODUCT SPECIFICATIONS

3-Piece Modular	
5 1/8 x 7 3/4 x 3 1/8	
5 1/8 x 10 1/4 x 3 1/8	
5 1/8 x 12 13/16 x 3 1/8	

LEUDERS GREY

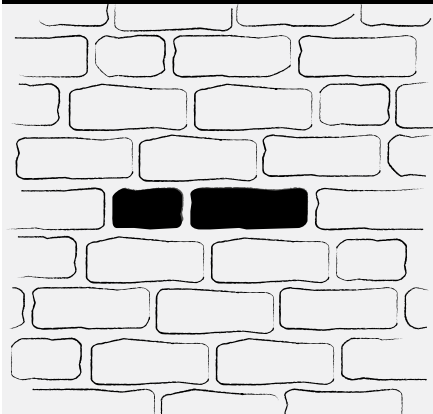


RUSTIC BEIGE

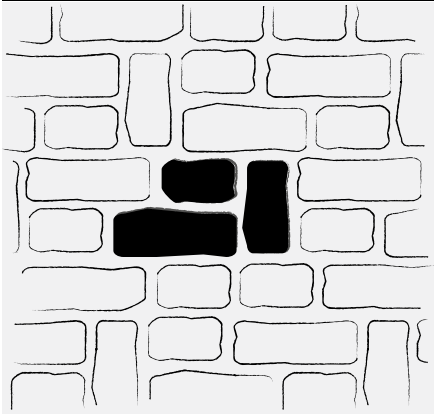


OLD WORLD PAVER LAYING GUIDE

RANDOM RUNNING BOND - PATTERN A



RANDOM RUNNING BOND - PATTERN B



For more pattern options visit belgard.com/products/pavers

NOTES

PALLET INFORMATION/ ESTIMATING CHART


UNIT	SqFt/ Pallet	SqFt/ Layer	Layer/Pallet	Units/Pallet	Units/Layer	LnFt Pallet (Soldier)	LnFt Pallet (Sailor)	Units/SqFt	SqFt/Units	Weight/Layer	Weight/Pallet
A	90.00	11.25	8	-	-	-	216	-	-	-	2,880 LBS

OLD YORK™ PAVER

Paver



PRODUCT SPECIFICATIONS

Rectangle	
3 15⁄16 x 7 7⁄8 x 2 3⁄8	

CHARCOAL



DANVILLE BEIGE



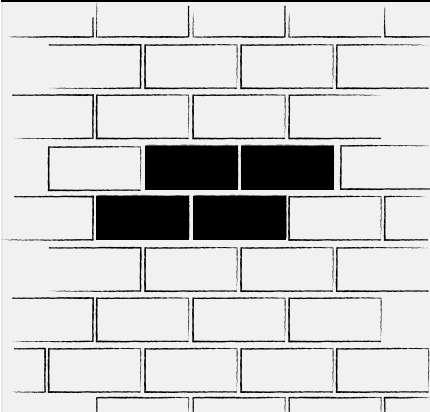
TERRACOTTA FLASH



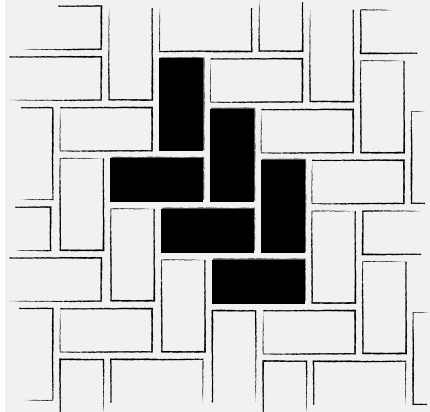
Old York can be used as a permeable paver with the proper joint materials.

OLD YORK LAYING GUIDE

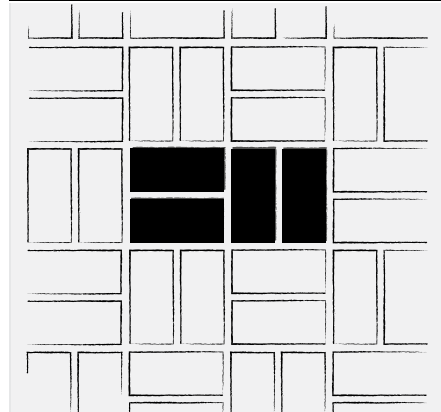
RUNNING BOND



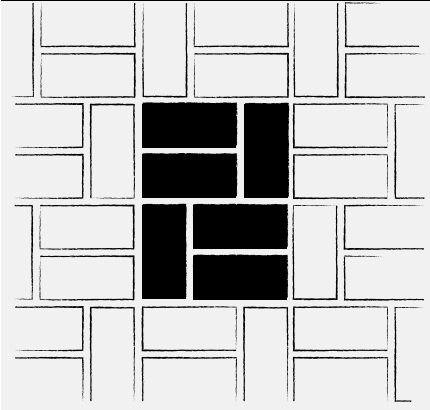
90° HERRINGBONE



BASKET WEAVE



MODIFIED BASKET WEAVE



For more pattern options visit belgard.com/products/pavers

NOTES

PALLET INFORMATION/ ESTIMATING CHART





UNIT	SqFt/ Pallet	SqFt/ Layer	Layer/Pallet	Units/Pallet	Units/Layer	LnFt Pallet (Soldier)	LnFt Pallet (Sailor)	Units/SqFt	SqFt/Units	Weight/Layer	Weight/Pallet
A	120	12	10	-	-	-	-	-	-	-	3,060 LBS

URBANA® STONE

Paver



PRODUCT SPECIFICATIONS

A	3-Piece Modular	
7 7⁄8 x 3 15⁄16 x 2 3⁄8		
7 7⁄8 x 7 7⁄8 x 2 3⁄8		
7 7⁄8 x 11 13⁄16 x 2 3⁄8		
B	Large Square	
11 13⁄16 x 11 13⁄16 x 2 3⁄8		

BRITTANY BEIGE



DANVILLE BEIGE

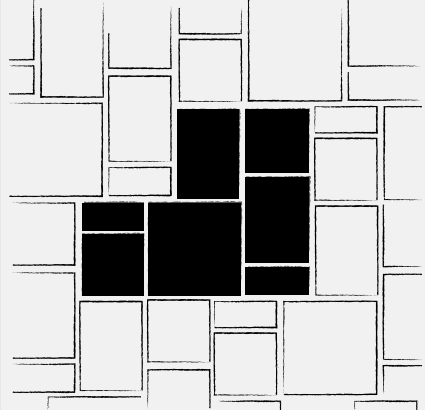


SLATE GREY

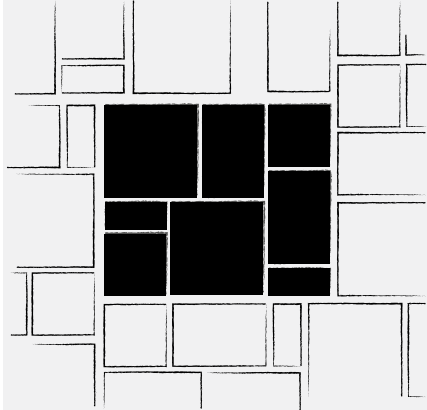


URBANA STONE LAYING GUIDE

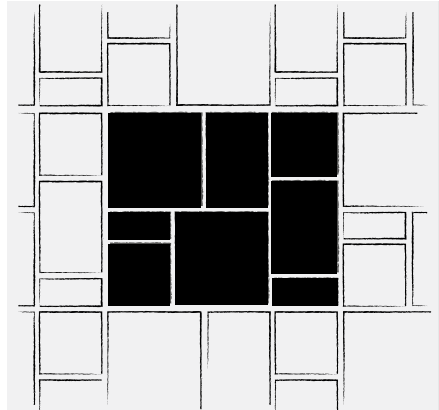
3-PIECE & LG. SQUARE - PATTERN A



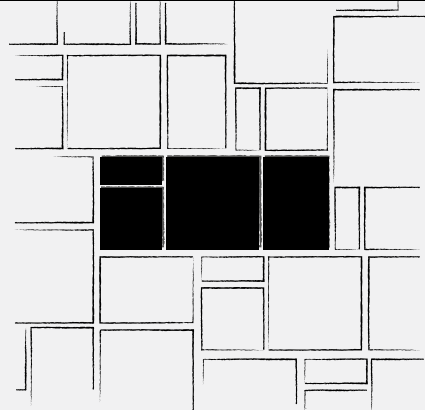
3-PIECE & LG. SQUARE - PATTERN B



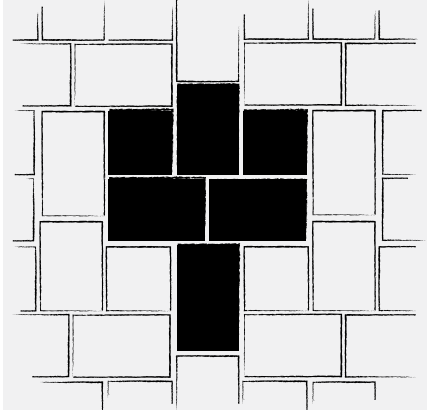
3-PIECE - PATTERN C



3-PIECE - PATTERN D



PATTERN E



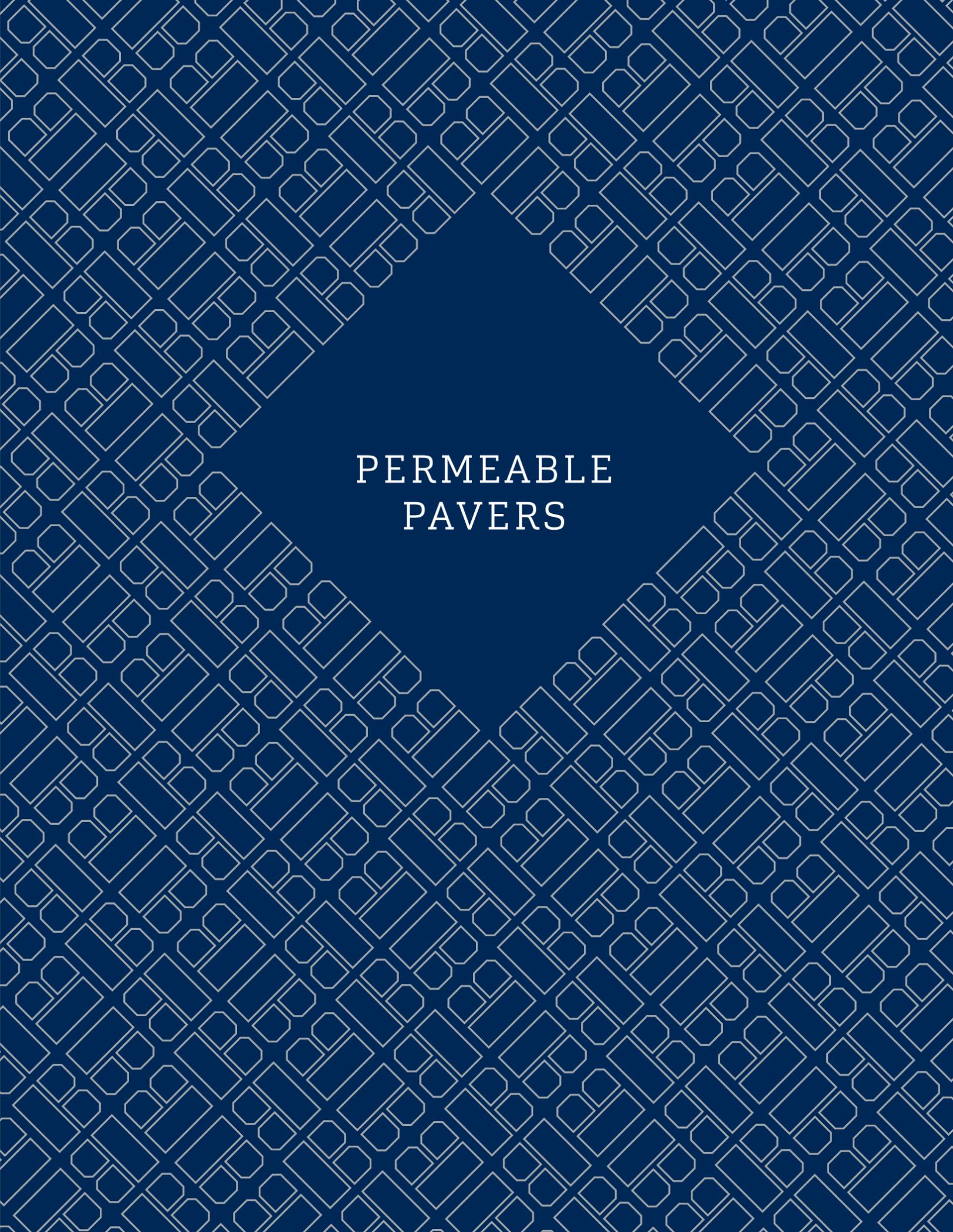
For more pattern options visit belgard.com/products/pavers

NOTES

PALLET INFORMATION/ ESTIMATING CHART

UNIT	SqFt/ Pallet	SqFt/ Layer	Layer/Pallet	Units/Pallet	Units/Layer	LnFt Pallet (Soldier)	LnFt Pallet (Sailor)	Units/SqFt	SqFt/Units	Weight/Layer	Weight/Pallet
A	46.5	15.5	-	72	24	-	-	1.55	.6458	-	-
	31.0	10.33	-	72	24	-	-	2.32	.4306	-	-
	15.5	5.17	-	72	24	-	-	4.65	.2153	-	-
Total	127.9	11.63	11	216	72	128	192	-	-	1,117 LBS	3,453 LBS
B	127.9	11.63	11	96	24	120	-	1	1	848.5 LBS	3,453 LBS





PERMEABLE
PAVERS

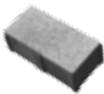
AQUA ROC™

Permeable Paver



SPECIAL ORDER ONLY

PRODUCT SPECIFICATIONS

Aqua Roc*	
4 ½ x 9 x 3 ½	

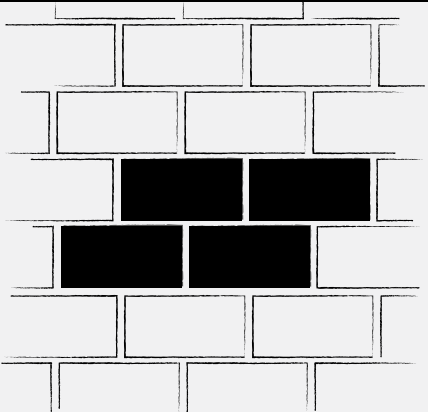
*Special Order Only

All sizes listed to the left are Special Order Only. Minimum order of 2,000 sq. ft. Allow for lead time. Check with your local provider for details.

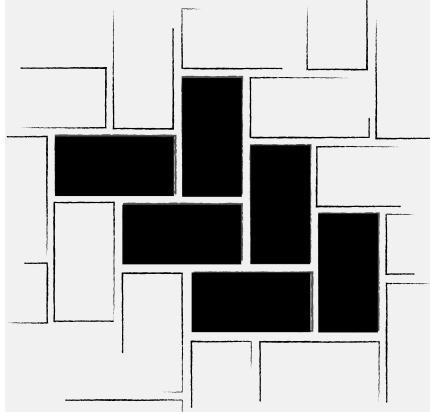


AQUA ROC LAYING GUIDE

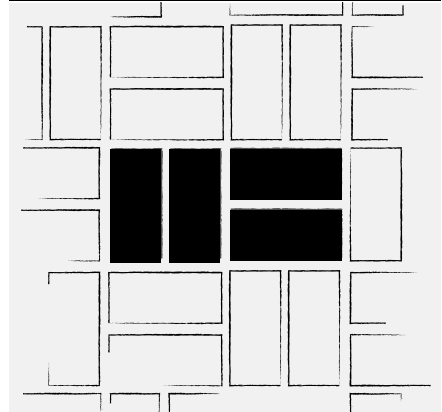
RUNNING BOND



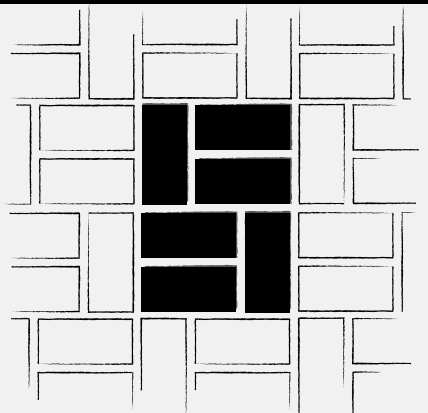
90° HERRINGBONE OR 45° HERRINGBONE



BASKET WEAVE



MODIFIED BASKET WEAVE



For more pattern options visit belgard.com/products/pavers

NOTES

PALLET INFORMATION/ ESTIMATING CHART




UNIT	SqFt/ Pallet	SqFt/ Layer	Layer/Pallet	Units/Pallet	Units/Layer	LnFt Pallet (Soldier)	LnFt Pallet (Sailor)	Units/SqFt	SqFt/Units	Weight/Layer	Weight/Pallet
A	97.40	10.82	9	-	-	130	259	-	-	332 LBS	3,116 LBS

ECO-DUBLIN®

Permeable Paver



PRODUCT SPECIFICATIONS

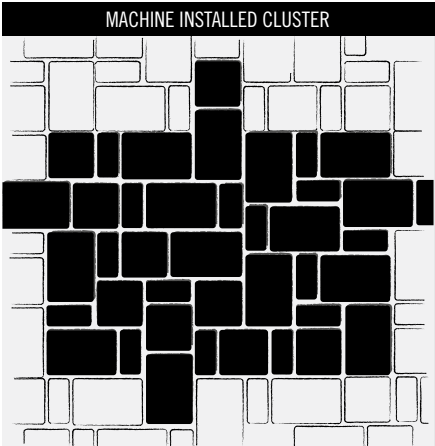
Ashlar	
6 7/8" x 3 7/16" x 3 1/8"	
6 7/8" x 6 7/8" x 3 1/8"	
6 7/8" x 10 1/4" x 3 1/8"	

DANVILLE BEIGE



FOSSIL BEIGE





For more pattern options visit belgard.com/products/pavers

NOTES											


PALLET INFORMATION/ ESTIMATING CHART											
UNIT	SqFt/ Pallet	SqFt/ Layer	Layer/Pallet	Units/Pallet	Units/Layer	LnFt Pallet (Soldier)	LnFt Pallet (Sailor)	SqFt/Units	Units/SqFt	Weight/Layer	Weight/Pallet
A	91.60	11.45	8	-	-	109	157	-	-	-	3,022 LBS

TURFSTONE®

Permeable Paver



PRODUCT SPECIFICATIONS

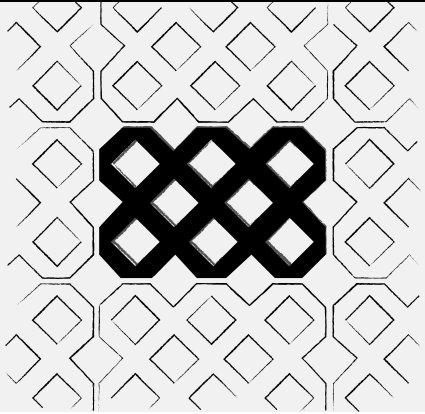
Turfstone	
23 5/8 x 15 3/4 x 3 1/8	

GRAY

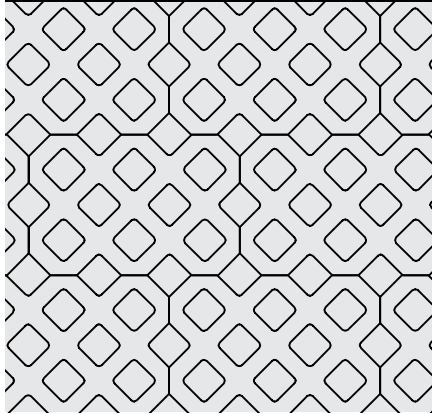


TURFSTONE LAYING GUIDE

RUNNING BOND



STAGGERED RUNNING BOND



For more pattern options visit belgard.com/products/pavers

NOTES

PALLET INFORMATION/ ESTIMATING CHART

UNIT	SqFt/ Pallet	SqFt/ Layer	Layer/Pallet	Units/Pallet	Units/Layer	LnFt Pallet (Soldier)	LnFt Pallet (Sailor)	Units/SqFt	SqFt/Units	Weight/Layer	Weight/Pallet
A	101	12.62	8	40	5	50	75	.38	2.66	399 LBS	2,575 LBS





PORCELAIN PAVERS

PORCELAIN PAVERS

Belgard® is excited to announce an exclusive new offering being added to the versatile line of outdoor paving materials. Introducing Mirage® Porcelain Pavers, imported exclusively to the United States for Belgard. Mirage delivers authentic Italian-made porcelain pavers that meet the most aggressive durability standards. Porcelain pavers can be used in a variety of applications – from creative walkways, contemporary pool surrounds and gorgeous patio areas.



V1:
Uniform
appearance



V2:
Slight
variation



V3:
Moderate
variation



V4:
Substantial
variation



BELGARD®



ARDESIE

STONE FINISH

APPLICATIONS



SHAPES & SIZES

23.54" x 23.54" x 3/4"



Spacers are recommended for all porcelain paver installations.



Shore AD 01 NAT



Island AD 02 NAT



African Stone AD 03 NAT

Actual size & color may vary. Check with your local provider for availability and pricing.

ESPRIT

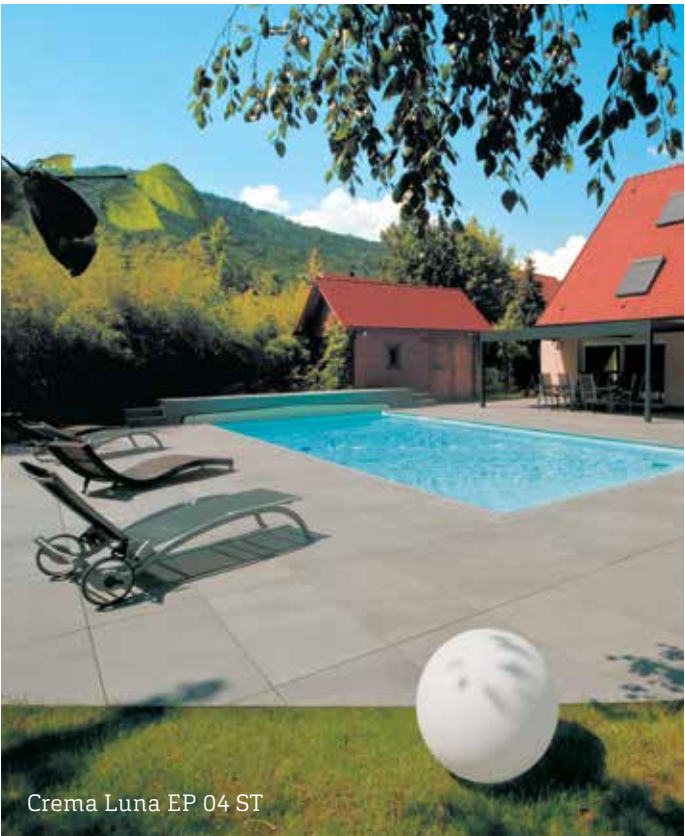
STONE FINISH

APPLICATIONS



SHAPES & SIZES

23.54" x 23.54" x 3/4"



Crema Luna EP 04 ST



Spacers are recommended for all porcelain paver installations.



Crema Delicato EP 01 ST



Pieyra Piasentina EP 02 ST



Lagos Grey EP 03 ST



Crema Luna EP 04 ST

Actual size & color may vary. Check with your local provider for availability and pricing.

QUARZITI 2.0

STONE FINISH

APPLICATIONS



SHAPES & SIZES

23.54" x 23.54" x 3/4"



MODULAR*

11.73" x 23.54" x 3/4"



*Available colors: QR 02 - QR 03



Waterfall QR03



Spacers are recommended for all porcelain paver installations.



Glacier QR 01 NAT



Mountains QR 02 NAT



Waterfall QR 03 NAT



River QR 04 NAT



Mantle QR 05 NAT

Actual size & color may vary. Check with your local provider for availability and pricing.

STONES 2.0

STONE FINISH

APPLICATIONS



SHAPES & SIZES

23.54" x 23.54" x 3/4"



Pierre Bleue Sablée SO 11 ST



Spacers are recommended for all porcelain paver installations.



Chambrod SO 05 ST



Pierre Bleue SO 10 ST



Pierre Bleue Sablée SO 11 ST

Actual size & color may vary. Check with your local provider for availability and pricing.

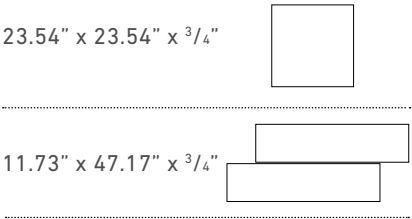
SUNDECK

WOOD FINISH

APPLICATIONS



SHAPES & SIZES



Spirit SD 03 RD



Spacers are recommended for all porcelain paver installations.



Origin SD 01 RD



Classic SD 02 RD



Spirit SD 03 RD

Actual size & color may vary. Check with your local provider for availability and pricing.

UNICO

STEP AND COPING

SIZE

12.99 x 23.54 x 3/4

Double sided special trim

Two installation needs, a single solution. UNICO, size 13"x24"x3/4", is processed on both sides, on one side it has a rounded edge and on the other a square edge.

An extremely versatile special piece, which can be used both as a step and as a special piece for swimming pools, with bullnose edge or straight edge, both colored along the side.



Spacers are recommended for all porcelain paver installations.



Quartziti 2.0



Quartziti 2.0

Mountains QR 02



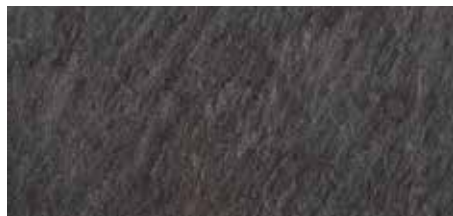
Quartziti 2.0

Waterfall QR 03



Quartziti 2.0

River QR 04



Quartziti 2.0

Mantle QR 05

Actual color may vary. Check with your local provider for availability and pricing.







WALLS

ANCHOR DIAMOND® 9D

Retaining Wall



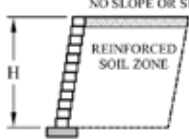
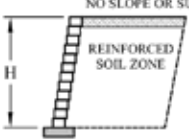
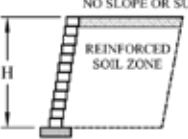






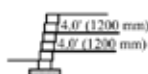
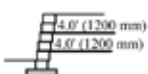

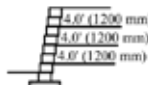
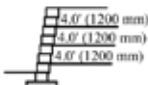
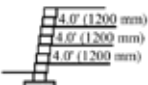
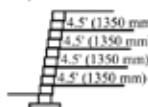
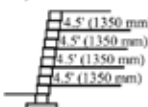
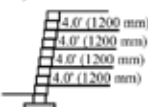


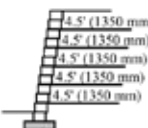
PRODUCT SPECIFICATIONS

A	Diamond 9D	B	Diamond Wall cap
6 x 17 ¾ x 9		3 x 16 x 9	



PALLET INFORMATION/ ESTIMATING CHART

UNIT	Units/ Pallet	Layer/Pallet	Units/Layer	SqFt/ Pallet	LnFt Pallet (Soldier)	LBS/Unit	Units/SqFt	LBS/Layer	Weight/Pallet
A	-	-	-	35.5	-	-	-	-	2,378 LBS
B	-	-	-	64	-	-	-	-	2,828 LBS

CLAY AND SILT SOIL $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	SILTY/CLAYEY SAND SOIL $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	CLEAN SAND AND GRAVEL SOIL $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
 <p>NO SLOPE OR SURCHARGE</p> <p>REINFORCED SOIL ZONE</p> <p>H</p>	 <p>NO SLOPE OR SURCHARGE</p> <p>REINFORCED SOIL ZONE</p> <p>H</p>	 <p>NO SLOPE OR SURCHARGE</p> <p>REINFORCED SOIL ZONE</p> <p>H</p>
Total Height: 1'-0" (300 mm)	Total Height: 1'-0" (300 mm)	Total Height: 1'-0" (300 mm)
 <p>NO REINFORCEMENT REQUIRED</p>	 <p>NO REINFORCEMENT REQUIRED</p>	 <p>NO REINFORCEMENT REQUIRED</p>
Total Height: 2'-0" (600 mm)	Total Height: 2'-0" (600 mm)	Total Height: 2'-0" (600 mm)
 <p>4'-0" (1200 mm)</p>	 <p>NO REINFORCEMENT REQUIRED</p>	 <p>NO REINFORCEMENT REQUIRED</p>
Total Height: 3'-0" (900 mm)	Total Height: 3'-0" (900 mm)	Total Height: 3'-0" (900 mm)
 <p>4'-0" (1200 mm) 4'-0" (1200 mm)</p>	 <p>4'-0" (1200 mm) 4'-0" (1200 mm)</p>	 <p>NO REINFORCEMENT REQUIRED</p>
Total Height: 4'-0" (1200 mm)	Total Height: 4'-0" (1200 mm)	Total Height: 4'-0" (1200 mm)
 <p>4'-0" (1200 mm) 4'-0" (1200 mm) 4'-0" (1200 mm)</p>	 <p>4'-0" (1200 mm) 4'-0" (1200 mm) 4'-0" (1200 mm)</p>	 <p>4'-0" (1200 mm) 4'-0" (1200 mm) 4'-0" (1200 mm)</p>
Total Height: 5'-0" (1500 mm)	Total Height: 5'-0" (1500 mm)	Total Height: 5'-0" (1500 mm)
 <p>4'-5" (1350 mm) 4'-5" (1350 mm) 4'-5" (1350 mm) 4'-5" (1350 mm)</p>	 <p>4'-5" (1350 mm) 4'-5" (1350 mm) 4'-5" (1350 mm) 4'-5" (1350 mm)</p>	 <p>4'-0" (1200 mm) 4'-0" (1200 mm) 4'-0" (1200 mm) 4'-0" (1200 mm)</p>
Total Height: 6'-0" (1800 mm)	Total Height: 6'-0" (1800 mm)	Total Height: 6'-0" (1800 mm)
 <p>5'-0" (1500 mm) 5'-0" (1500 mm) 5'-0" (1500 mm) 5'-0" (1500 mm) 5'-0" (1500 mm)</p>	 <p>5'-0" (1500 mm) 5'-0" (1500 mm) 5'-0" (1500 mm) 5'-0" (1500 mm) 5'-0" (1500 mm)</p>	 <p>4'-5" (1350 mm) 4'-5" (1350 mm) 4'-5" (1350 mm) 4'-5" (1350 mm) 4'-5" (1350 mm)</p>

For project material estimating, use the formulas listed in each step.

1. WALL UNIT ESTIMATING

Determine the square footage of the total wall, including buried base course. Wall square footage (SF) = length (L) x height (H).

2. CAP ESTIMATING

Convert wall length (L) to inches: $L \times 12 = L$ in inches (LI). Cap factor (CF) = cap front inches + cap back inches $\div 2$. (Additional caps will be needed for elevation changes and curves.) $LI \div CF = \#$ caps

3. LEVELING PAD AGGREGATE ESTIMATING

Leveling pad aggregate is a compactible base material of 3/4-inch minus (with fines). The leveling pad extends at least 6 inches in front of and behind the wall units and is at least 6 inches deep after compaction. Wall length in feet (L) $\div 27 \times 1.1 =$ cubic yards (CY). $CY \times 1.6 =$ tons. $L \div 27 \times 1.1 = CY$ $CY \times 1.6 =$ tons

4. DRAINAGE AGGREGATE ESTIMATING

Drainage aggregate is clear, 1-inch crushed stone (with no fines). The drainage column extends 12 inches behind the wall units. Wall length (L) x total wall height (H) = square feet (SF) $\div 27 \times 1.1 =$ cubic yards (CY). $CY \times 1.6 =$ tons. $SF \div 27 \times 1.1 = CY$ $CY \times 1.6 =$ tons

5. GEOSYNTHETIC REINFORCEMENT

See reinforcement estimating charts on pages for variations in soil and site conditions.

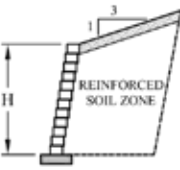
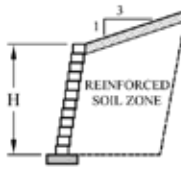
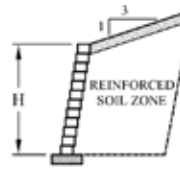



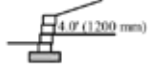





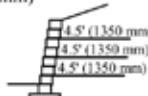
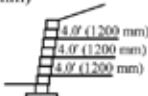
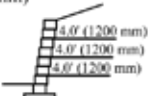
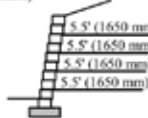
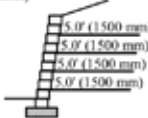
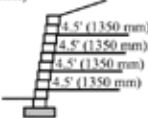
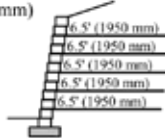
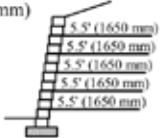
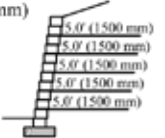
Diamond® 9D Retaining Wall System

Estimating Chart for Geosynthetic Reinforcement

100 PSF Surcharge

CLAY AND SILT SOIL $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	SILTY/CLAYEY SAND SOIL $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	CLEAN SAND AND GRAVEL SOIL $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
Total Height: 1'-0" (300 mm) NO REINFORCEMENT REQUIRED	Total Height: 1'-0" (300 mm) NO REINFORCEMENT REQUIRED	Total Height: 1'-0" (300 mm) NO REINFORCEMENT REQUIRED
Total Height: 2'-0" (600 mm) 4.0' (1200 mm)	Total Height: 2'-0" (600 mm) NO REINFORCEMENT REQUIRED	Total Height: 2'-0" (600 mm) NO REINFORCEMENT REQUIRED
Total Height: 3'-0" (900 mm) 4.0' (1200 mm) 4.0' (1200 mm)	Total Height: 3'-0" (900 mm) 4.0' (1200 mm) 4.0' (1200 mm)	Total Height: 3'-0" (900 mm) 4.0' (1200 mm) 4.0' (1200 mm)
Total Height: 4'-0" (1200 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm)	Total Height: 4'-0" (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm)	Total Height: 4'-0" (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm)
Total Height: 5'-0" (1500 mm) 5.5' (1650 mm) 5.5' (1650 mm) 5.5' (1650 mm) 5.5' (1650 mm)	Total Height: 5'-0" (1500 mm) 4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm)	Total Height: 5'-0" (1500 mm) 4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm)
Total Height: 6'-0" (1800 mm) 6.0' (1800 mm) 6.0' (1800 mm) 6.0' (1800 mm) 6.0' (1800 mm) 6.0' (1800 mm)	Total Height: 6'-0" (1800 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm)	Total Height: 6'-0" (1800 mm) 4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm)

Diamond® 9D Retaining Wall System Estimating Chart for Geosynthetic Reinforcement 3:1 Crest Slope



CLAY AND SILT SOIL $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	SILTY/CLAYEY SAND SOIL $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	CLEAN SAND AND GRAVEL SOIL $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
		
Total Height: 1'-0" (300 mm)	Total Height: 1'-0" (300 mm)	Total Height: 1'-0" (300 mm)
 NO REINFORCEMENT REQUIRED	 NO REINFORCEMENT REQUIRED	 NO REINFORCEMENT REQUIRED
Total Height: 2'-0" (600 mm)	Total Height: 2'-0" (600 mm)	Total Height: 2'-0" (600 mm)
	 NO REINFORCEMENT REQUIRED	 NO REINFORCEMENT REQUIRED
Total Height: 3'-0" (900 mm)	Total Height: 3'-0" (900 mm)	Total Height: 3'-0" (900 mm)
		
Total Height: 4'-0" (1200 mm)	Total Height: 4'-0" (1200 mm)	Total Height: 4'-0" (1200 mm)
		
Total Height: 5'-0" (1500 mm)	Total Height: 5'-0" (1500 mm)	Total Height: 5'-0" (1500 mm)
		
Total Height: 6'-0" (1800 mm)	Total Height: 6'-0" (1800 mm)	Total Height: 6'-0" (1800 mm)
		

ANCHOR DIAMOND® 9D MULTI-PIECE

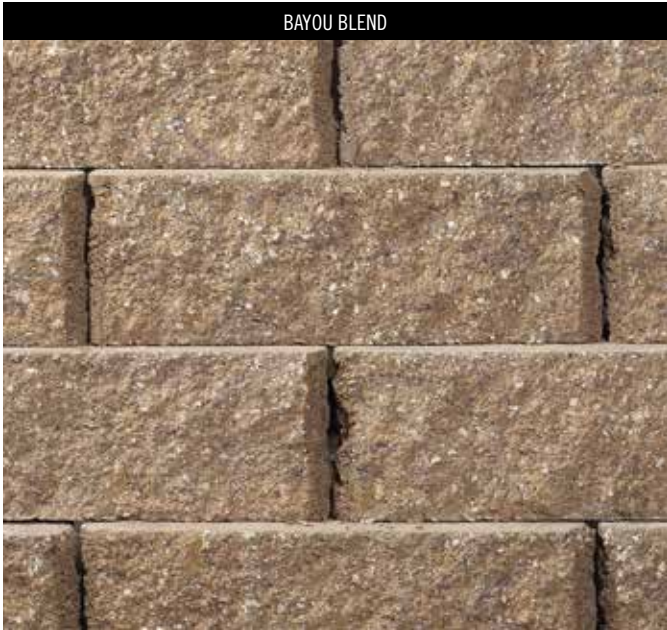
Retaining Wall



PRODUCT SPECIFICATIONS

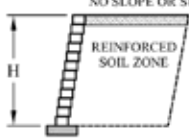
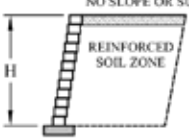








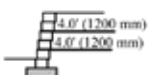


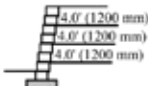

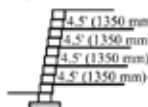
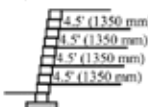
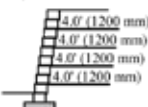
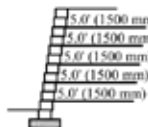
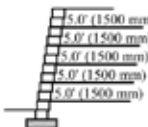

Multi-Piece	
<div> <div>6 x 11 7⁄8 x 9</div> <div>6 x 5 7⁄8 x 9</div> </div>	<div>   </div>

NOTES



PALLET INFORMATION/ ESTIMATING CHART										
UNIT	Units/ Pallet	Layer/Pallet	Units/Layer	SqFt/ Pallet	LBS/Unit	Units/SqFt	LBS/Layer	Weight/Cube	Weight/Layer	Weight/Pallet
A	-	-	-	35.5	-	-	-	-	-	2,804 LBS

For more pattern options visit belgard.com/products/retaining_walls

CLAY AND SILT SOIL $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	SILTY/CLAYEY SAND SOIL $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	CLEAN SAND AND GRAVEL SOIL $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
		
Total Height: 1'-0" (300 mm)  NO REINFORCEMENT REQUIRED	Total Height: 1'-0" (300 mm)  NO REINFORCEMENT REQUIRED	Total Height: 1'-0" (300 mm)  NO REINFORCEMENT REQUIRED
Total Height: 2'-0" (600 mm) 	Total Height: 2'-0" (600 mm)  NO REINFORCEMENT REQUIRED	Total Height: 2'-0" (600 mm)  NO REINFORCEMENT REQUIRED
Total Height: 3'-0" (900 mm) 	Total Height: 3'-0" (900 mm) 	Total Height: 3'-0" (900 mm)  NO REINFORCEMENT REQUIRED
Total Height: 4'-0" (1200 mm) 	Total Height: 4'-0" (1200 mm) 	Total Height: 4'-0" (1200 mm) 
Total Height: 5'-0" (1500 mm) 	Total Height: 5'-0" (1500 mm) 	Total Height: 5'-0" (1500 mm) 
Total Height: 6'-0" (1800 mm) 	Total Height: 6'-0" (1800 mm) 	Total Height: 6'-0" (1800 mm) 

PROJECT ESTIMATING EXAMPLE

Total wall is 50 feet long and 4 feet high. The product is beveled-face units. There is no toe or crest slope, and soils are clean sand and gravel.

1. TOTAL WALL UNITS

$$50' \text{ L} \times 4' \text{ H} = 200 \text{ SF} \div 1.5 = 300 \text{ units}$$

2. CAP UNITS

LI example: $50' \text{ L} \times 12" = 600$
 CF example: $17.25' + 12" = 29.25' \div 2 = 14.6$
 Project example: $600 \div 14.6 = 42 \text{ caps}$

3. LEVELING PAD AGGREGATE

$$50' \text{ L} \div 27 = 1.85 \times 1.1 = 2.1 \text{ CY} \times 1.6 = 3.4 \text{ tons needed}$$

4. DRAINAGE AGGREGATE

$$50' \text{ L} \times 4' \text{ H} = 200 \text{ SF} \div 27 \times 1.1 = 8.15 \text{ CY} \times 1.6 = 13 \text{ tons needed}$$

5. GEOSYNTHETIC REINFORCEMENT

See reinforcement estimating charts on pages for variations in soil and site conditions.

Diamond® 9D Retaining Wall System

Estimating Chart for Geosynthetic Reinforcement

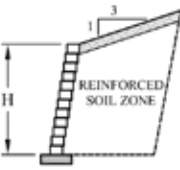
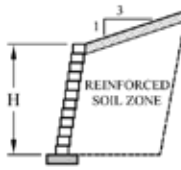
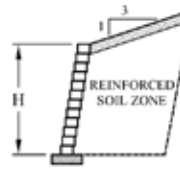



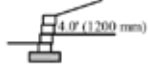





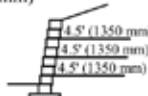
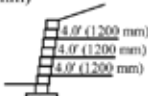
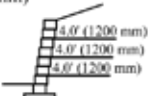
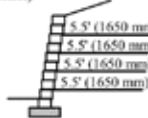
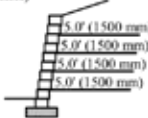
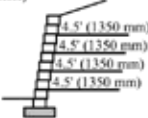
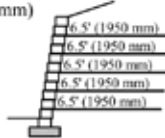
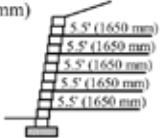
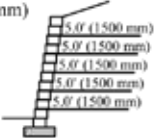
100 PSF Surcharge

CLAY AND SILT SOIL $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	SILTY/CLAYEY SAND SOIL $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	CLEAN SAND AND GRAVEL SOIL $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
<p>H</p>	<p>H</p>	<p>H</p>
<p>Total Height: 1'-0" (300 mm)</p> <p>NO REINFORCEMENT REQUIRED</p>	<p>Total Height: 1'-0" (300 mm)</p> <p>NO REINFORCEMENT REQUIRED</p>	<p>Total Height: 1'-0" (300 mm)</p> <p>NO REINFORCEMENT REQUIRED</p>
<p>Total Height: 2'-0" (600 mm)</p> <p>4.0' (1200 mm)</p>	<p>Total Height: 2'-0" (600 mm)</p> <p>NO REINFORCEMENT REQUIRED</p>	<p>Total Height: 2'-0" (600 mm)</p> <p>NO REINFORCEMENT REQUIRED</p>
<p>Total Height: 3'-0" (900 mm)</p> <p>4.0' (1200 mm) 4.0' (1200 mm)</p>	<p>Total Height: 3'-0" (900 mm)</p> <p>4.0' (1200 mm) 4.0' (1200 mm)</p>	<p>Total Height: 3'-0" (900 mm)</p> <p>4.0' (1200 mm) 4.0' (1200 mm)</p>
<p>Total Height: 4'-0" (1200 mm)</p> <p>5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm)</p>	<p>Total Height: 4'-0" (1200 mm)</p> <p>4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm)</p>	<p>Total Height: 4'-0" (1200 mm)</p> <p>4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm)</p>
<p>Total Height: 5'-0" (1500 mm)</p> <p>5.5' (1650 mm) 5.5' (1650 mm) 5.5' (1650 mm) 5.5' (1650 mm)</p>	<p>Total Height: 5'-0" (1500 mm)</p> <p>4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm)</p>	<p>Total Height: 5'-0" (1500 mm)</p> <p>4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm)</p>
<p>Total Height: 6'-0" (1800 mm)</p> <p>6.0' (1800 mm) 6.0' (1800 mm) 6.0' (1800 mm) 6.0' (1800 mm) 6.0' (1800 mm)</p>	<p>Total Height: 6'-0" (1800 mm)</p> <p>5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm)</p>	<p>Total Height: 6'-0" (1800 mm)</p> <p>4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm)</p>

Diamond® 9D Retaining Wall System

Estimating Chart for Geosynthetic Reinforcement

3:1 Crest Slope








CLAY AND SILT SOIL $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	SILTY/CLAYEY SAND SOIL $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	CLEAN SAND AND GRAVEL SOIL $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
		
Total Height: 1'-0" (300 mm)	Total Height: 1'-0" (300 mm)	Total Height: 1'-0" (300 mm)
 NO REINFORCEMENT REQUIRED	 NO REINFORCEMENT REQUIRED	 NO REINFORCEMENT REQUIRED
Total Height: 2'-0" (600 mm)	Total Height: 2'-0" (600 mm)	Total Height: 2'-0" (600 mm)
	 NO REINFORCEMENT REQUIRED	 NO REINFORCEMENT REQUIRED
Total Height: 3'-0" (900 mm)	Total Height: 3'-0" (900 mm)	Total Height: 3'-0" (900 mm)
		
Total Height: 4'-0" (1200 mm)	Total Height: 4'-0" (1200 mm)	Total Height: 4'-0" (1200 mm)
		
Total Height: 5'-0" (1500 mm)	Total Height: 5'-0" (1500 mm)	Total Height: 5'-0" (1500 mm)
		
Total Height: 6'-0" (1800 mm)	Total Height: 6'-0" (1800 mm)	Total Height: 6'-0" (1800 mm)
		

CASTLE MANOR™

Freestanding & Retaining Wall



PRODUCT SPECIFICATIONS

A	Unit 1	
6 x 16/14 x 10		
Unit 2		
6 x 12/10 x 10		
Unit 3		
6 x 10/8 x 10		
Unit 4		
6 x 8/6 x 10		
Unit 5		
6 x 6/4 x 10		
Unit 6		
6 x 8/7 x 10		
B	Cap	
3 x 12/8 x 12		

TOSCANA



VICTORIAN





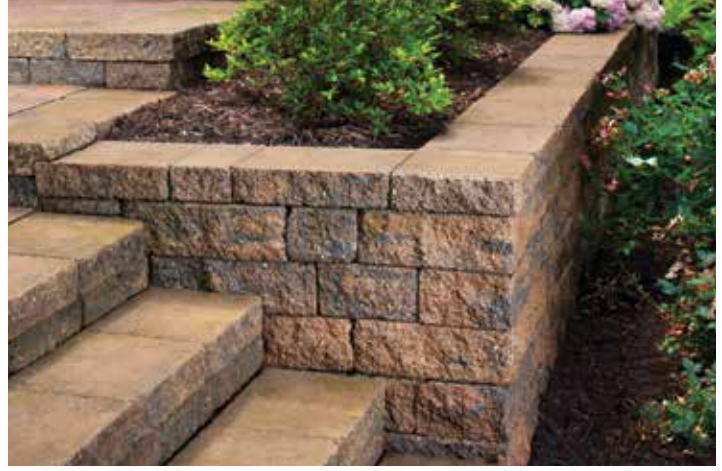
PALLET INFORMATION/ ESTIMATING CHART							
UNIT	SqFt/Layer	SqFt/Pallet	Units/Pallet	Layers/Pallet	Units/Layer	Weight/Unit	Weight/Pallet
A	8.2	26	90	5	-	-	3394 LBS
B	-	-	120	10	12	28 LBS	2039 LBS

NOTES





For more pattern options visit belgard.com/products/retaining_walls





CELTIK® WALL


Freestanding & Retaining Wall



PRODUCT SPECIFICATIONS

A	90mm Celtik Wall
3 ¹ / ₁₆ x 8 ⁷ / ₈ x 17 ¹ / ₈	
3 ¹ / ₁₆ x 8 ⁷ / ₈ x 13 ¹ / ₁₆	
3 ¹ / ₁₆ x 8 ⁷ / ₈ x 10 ⁷ / ₁₆	
3 ¹ / ₁₆ x 8 ⁷ / ₈ x 6 ⁷ / ₈	

B	135mm Celtik Wall
5 ¹ / ₁₆ x 8 ⁷ / ₈ x 17 ¹ / ₈	
5 ¹ / ₁₆ x 8 ⁷ / ₈ x 13 ¹ / ₁₆	
5 ¹ / ₁₆ x 8 ⁷ / ₈ x 10 ⁷ / ₁₆	
5 ¹ / ₁₆ x 8 ⁷ / ₈ x 6 ⁷ / ₈	

C	Cap
3 ¹ / ₁₆ x 12 x 15 ¹ / ₂	



PALLET INFORMATION/ ESTIMATING CHART

UNIT	Units/ Pallet	Layer/Pallet	Units/Layer	SqFt/ Pallet	LnFt Pallet (Soldier)	LBS/Unit	Units/SqFt	LBS/Layer	Weight/Pallet
A	28	-	4	11.73	-	-	.419	-	-
	28	-	4	9.35	-	-	.334	-	-
	28	-	4	6.97	-	-	.249	-	-
	28	-	4	4.59	-	-	.164	-	-
Total	112	7	4.71	32.45	-	-	-	-	2,920 LBS
B	20	-	4	-	-	-	.629	-	-
	20	-	4	-	-	-	.501	-	-
	20	-	4	-	-	-	.374	-	-
	20	-	4	-	-	-	.246	-	-
Total	80	5	7	34.71	-	-	-	-	3,089 LBS
C	64	8	8	64	85	-	.39	-	3,136 LBS

CELTIK PIN SYSTEM

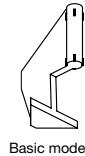
The Celtik® Wall anchor pin has been designed to facilitate the construction of walls with a maximum height of 42". The special pin system has been designed to stabilize the overall structure and guide the installation of units. The dual-position system allows for the construction of vertical or 9°-sloped walls. Units are delivered with two different anchor pins: a regular pin with blades, and a second pin without blades, designed for the construction of corners.

NOTE: Pins for the different Celtik® units are inserted from underneath, as shown in the illustration below. This is why units are placed bottom up on the pallet.

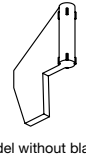
CELTIK® WALL CONSTRUCTION

Select one of the following arrangements:

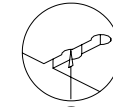
1. 90 standard units
2. 135 standard units
3. combination of 90 and 135 standard units



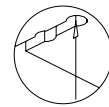
Basic model



Model without blades



Vertical wall position
Maximum vertical
height 21"

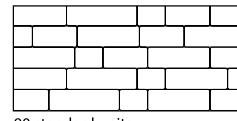


Slope wall position
Maximum vertical
height 42"

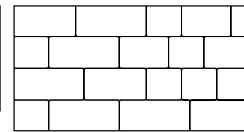
**For a certified installer in your area,
see your Anchor Dealer.**

A. Installation of the first row: It is preferable to use the longest units for the first row, and lay them on the compacted foundation. It is important to carefully align the first-row units horizontally to ensure that the wall will be level. Even if the selected arrangement is a combination of 90 and 135 units, the first row must contain only one size (90 or 135). At this stage no pins are used.

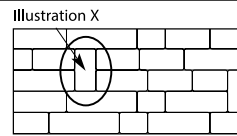
B. Installation of following rows, walls of 90 or 135 standard units: Harmoniously lay units of following rows, not forgetting, however, to insert a pin in each unit before installation. First insert pins in units to be installed. Use appropriate grooves, depending on whether the wall is to be vertical or 9-sloped. Lay each row by overlapping joints of the last row installed.



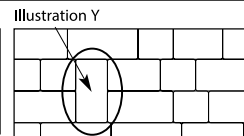
90 standard units



135 standard units



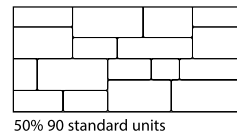
90 standard units with jumper



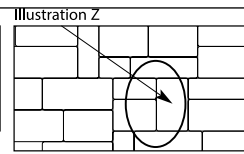
135 standard units with jumper

Supplied radiuses may be used vertically to give a natural and original look to the layout. Two of those radiuses measure two rows high. Use a small radius (6 3/4") to match two 90 unit rows (see illustration X), and a medium radius (10 1/4") to cover two 135 unit rows (see illustration Y).

Combination of 90 and 135 standard units. Carefully distribute different sizes of units to give a well-balanced, natural look to the layout (see opposite arrangement examples). To integrate vertical elements to the arrangement, split 17 1/4"-long units (90 or 135 high) in halves. A split half covers the total height of a 90 unit plus a 135 unit. (see illustration Z).



50% 90 standard units
50% 135 standard units



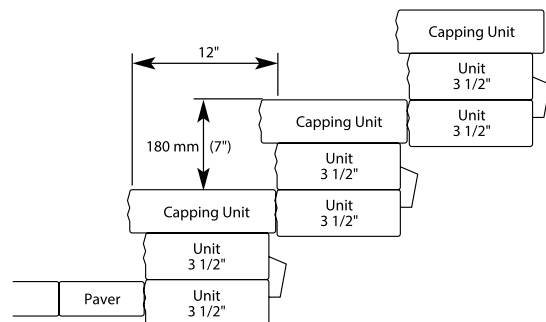
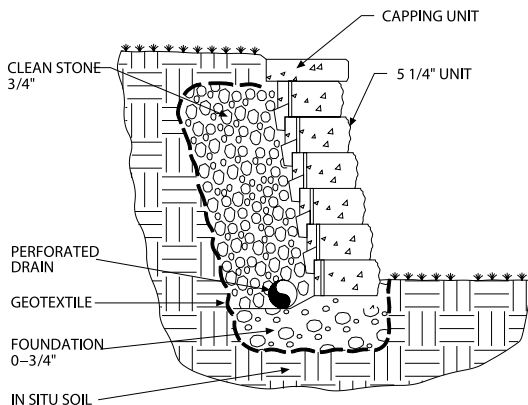
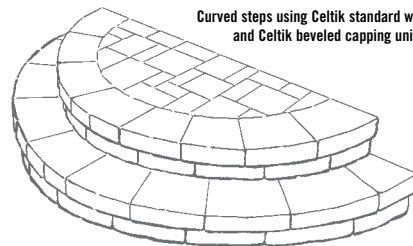
50% 90 standard units
50% 135 standard units with jumper

C. Back filling: Every two rows, fill the space behind units with 3/4" clean stone. Repeat steps B and C up to the desired height. NOTE: When combining 90 and 135 units, spaces may appear between some units in the structure.

Building Steps Using Celtik® Capping Units: Creating straight steps or curved landings: Steps or landings can be laid using Celtik standard wall and Celtik capping units. Semicircular landings can also be created using the Celtik beveled capping units.

Note: Celtik steps and risers have a combined height of 7". If the height of the wall and that of the steps must be the same, it is important that the height of the wall containing the steps is in multiples of 7". For a certified installer in your area, see your Belgard sales representative.

Curved steps using Celtik standard wall units
and Celtik beveled capping units





CELTIK PRO™ WALL

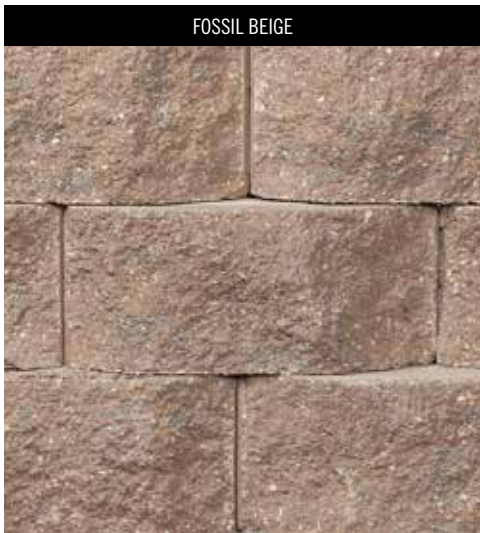
Retaining Wall



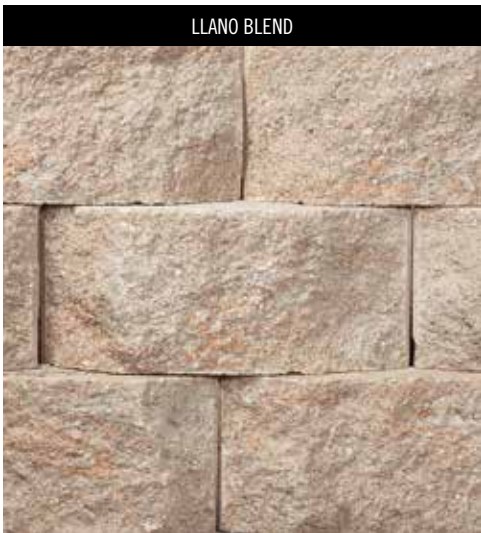
PRODUCT SPECIFICATIONS

A	Celtik Pro Wall	
8 x 18 x 12		
B	Cap	
4 x 18 x 10 1/2		

FOSSIL BEIGE



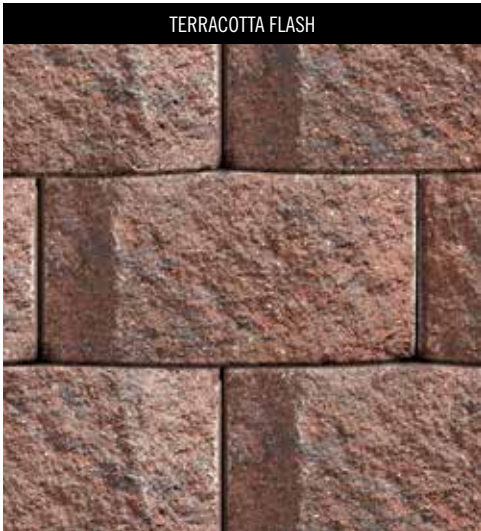
LLANO BLEND



TAN



TERRACOTTA FLASH





For more pattern options visit belgard.com/products/retaining_walls

NOTES										

PALLET INFORMATION/ ESTIMATING CHART										
UNIT	Units/ Pallet	Layer/Pallet	Units/Layer	SqFt/ Pallet	LBS/Unit	Units/SqFt	LBS/Layer	Weight/Cube	Weight/Layer	Weight/Pallet
A	-	-	-	36	-	-	-	-	-	2,628 LBS
B	48	-	-	-	-	-	-	-	-	2,784 LBS

MEGA-TANDEM™

Retaining Wall



PRODUCT SPECIFICATIONS

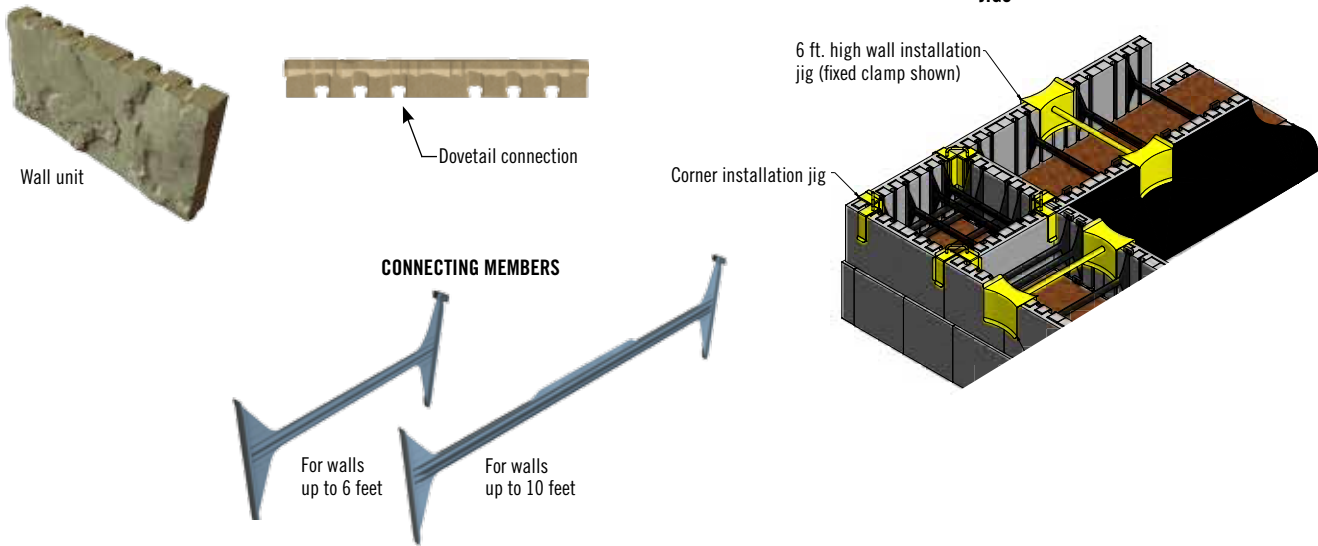
Final swatch selection should always be verified with physical samples.

Mega-Tandem	
12 x 24 x 3	
Connectors	
22" Connector Supports gravity walls up to 6'	
43" Connector Supports gravity walls up to 10'	



DANVILLE BEIGE

MEGA TANDEM™ (MSRW) COMPONENTS



STEP 1



Place the 6" crushed stone ($\frac{3}{4}$ " rock) to create the leveling pad for the Mega-Tandem™ (MSRW).

STEP 2



Compact the placed crushed stone to reach 95% standard proctor density.

STEP 3



Forming up to pour a 2" unreinforced concrete overlay for setting the first course of Mega-Tandem™ (MSRW). **A 6" crushed stone leveling pad is an option as well.**

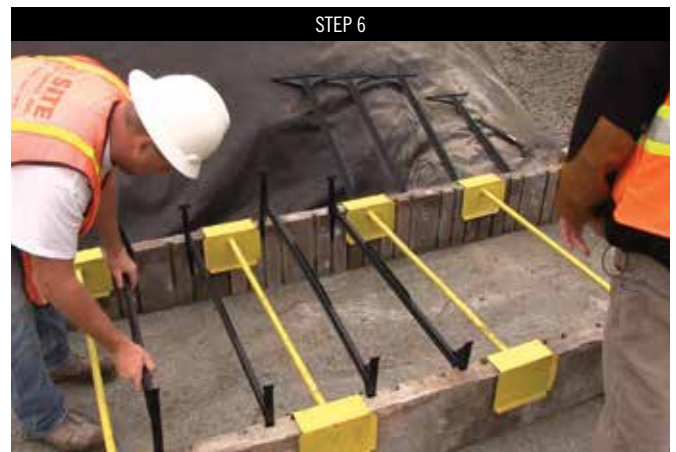
STEP 4



Pouring the leveling pad with a low psi concrete.



Start the Mega-Tandem™ (MSRW) at the lowest elevation. Start by setting the panels in place with the use of the wall jigs to help support the panels during the wall installation.



Insert the Mega-Tandem™ (MSRW) connecting members into the center dovetails to provide the structural support in the wall system.



Run a string line from the back side of the front wall veneer to assure proper horizontal wall alignment.



Place the #57 stone inside the Mega-Tandem™ (MSRW) panels to provide the internal gravel interlock. This will also provide for internal drainage to relieve hydrostatic pressure in the wall.



Place the drain tile directly behind the rear wall panel to provide for positive drainage through the wall to daylight.



Laying out the radii. Insert plastic connecting members into the veneer dovetails to keep the connectors as straight as possible. Make sure that each veneer has at least two connecting members for proper panel support.



Start the corner with the side textured fitting up against a MT wall (MSRW) panel facing the outer side of the wall. Then place additional panels to create a corner column. Insert the first two connectors upside down for the panel supports (break off the setback tab for this step). Then place two connectors in the opposite direction right side up to support the additional panels. Mega-Tandem Wall™ requires four connecting members per course.



Place a concrete paver directly behind the wall panel and level from front to back. Then take the construction adhesive and place the glue on the paver and top of wall panel. Then secure the cap units to create the bond.



Run a string line for accurate wall alignment when setting the caps.



Place a low permeable soil for fill placement for the top of wall.

PALLET INFORMATION / ESTIMATING CHART								
UNIT	Layers/ Pallet	SqFt/ Layer	SqFt (LnFt)/ Pallet	Units/ Pallet	Units/ Layer	Unit Weight	Weight/ Layer	Weight/ Pallet
Mega-Tandem Wall	8	12	96 SqFt	-	-	-	-	2,808 lbs
Mega-Tandem Cap Unit	8	-	144 LnFt	32	4	-	-	2,496 lbs

For more pattern options visit belgard.com/products/retaining_walls

NOTES

TANDEM® WALL

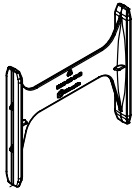
Freestanding & Retaining Wall

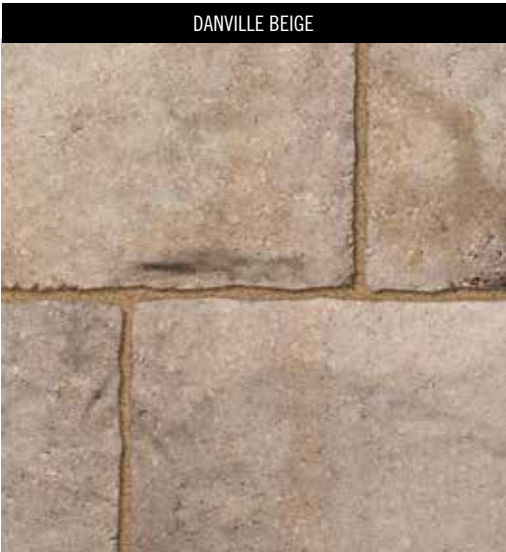


PRODUCT SPECIFICATIONS

Final swatch selection should always be verified with physical samples.

Tandem Wall Ashlar	
7 x 13 2/3 x 3	
7 x 15 2/3 x 3	
7 x 18 x 3	
Cap Unit	
3 1/4 x 24 x 15	

8" Connecting Member




PALLET INFORMATION / ESTIMATING CHART

TANDEM WALL										
Unit Size	Unit Height	Unit Front Width	Unit Back Width	Unit Depth	SqFt/ Pallet	Face Ft/ Pallet	SqFt/ Unit	Unit Weight	Weight/ Pallet	Units/ Pallet
Standard Wall Total	-	-	-	-	70.1	35.05	-	-	2082	90
Smooth Wall Total	-	-	-	-	70.1	35.05	-	-	2082	90
Ashlar Wall Total	-	-	-	-	70.1	35.05	-	-	2082	90
Small Unit	7"	13.2"	-	-	-	-	.64	18	-	30
Medium Unit	7"	15.8"	-	-	-	-	.77	22	-	30
Large Unit	7"	18.5"	-	-	-	-	.90	25	-	30
Cap Unit	3.24"	24"	-	15"	-	-		90	2920	30
Ashlar Column Unit	7	18.5"	-	-	45	-	.90	25	-	50

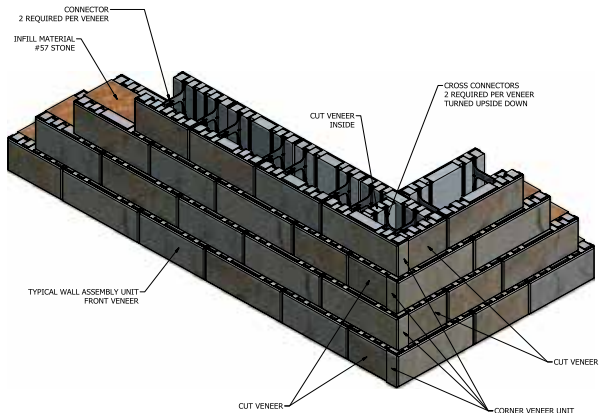
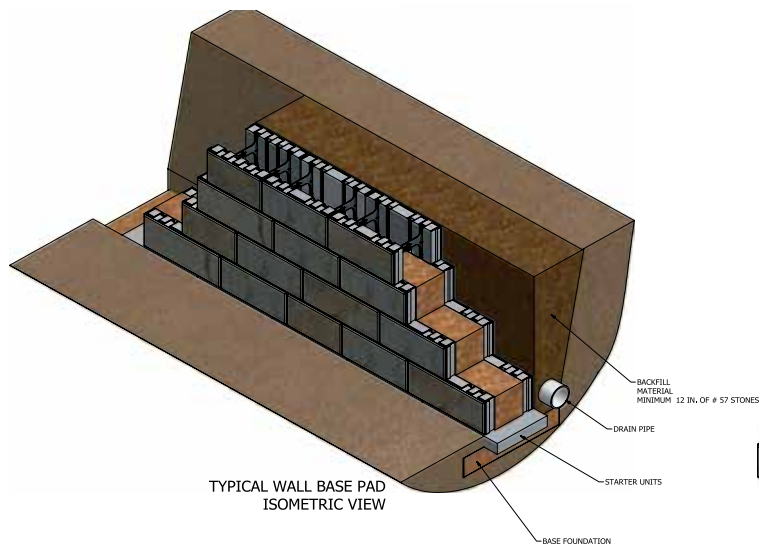
For more pattern options visit belgard.com/products/retaining_walls

NOTES

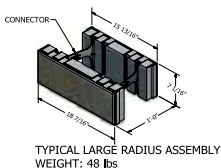
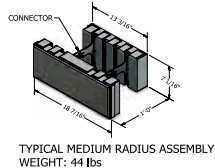
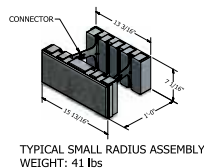
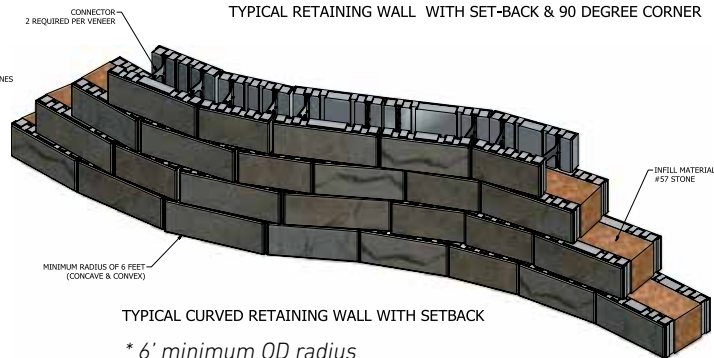
TANDEM SEGMENTAL RETAINING WALL GUIDE

NOTE:

- 1-The base shall be made of starter units.
- 2-Center Tandem veneer units on starter units.
- 3-The base foundation shall be approved by the site geotechnical engineer prior to placement of the starter units.
- 4-Backfill is typically on site soil unless otherwise shown on the plans.



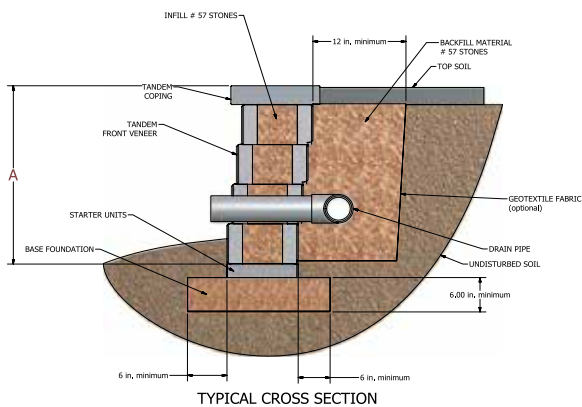
TYPICAL RETAINING WALL WITH SET-BACK & 90 DEGREE CORNER



TANDEM SEGMENTAL RETAINING WALL SECTION VIEWS

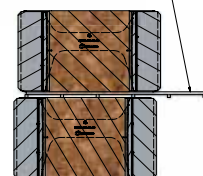
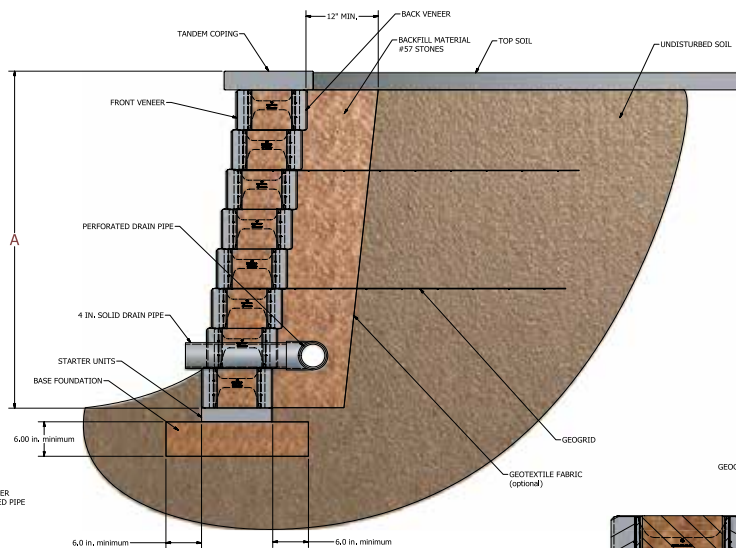
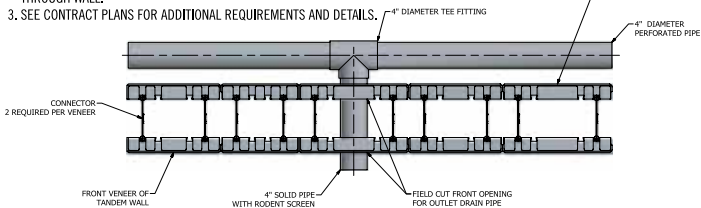
NOTE:

1. Base material shall be constructed of crushed stone, Center Lafitt Tandem units on leveling pad or foundation blocks or 2,000psi unreinforced lean concrete leveling pad.
2. The base foundation shall be approved by the geotechnical engineer prior to placement of the leveling pad.
3. Upper level of wall units not showing infill material in order to show connectors.
4. Backfill is typically on site soil unless otherwise shown on the plans.

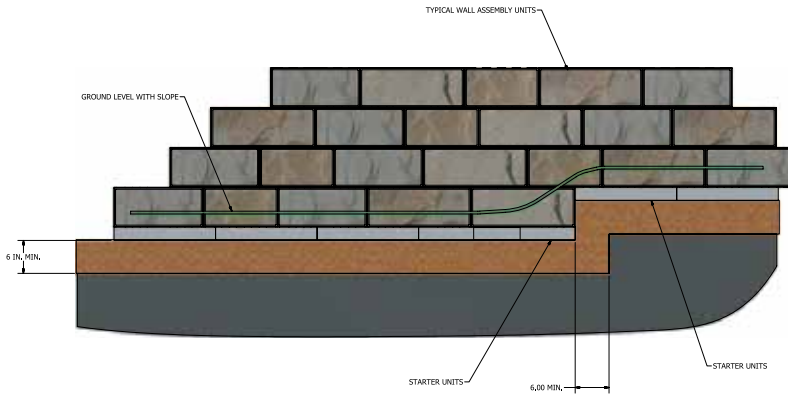


NOTE:

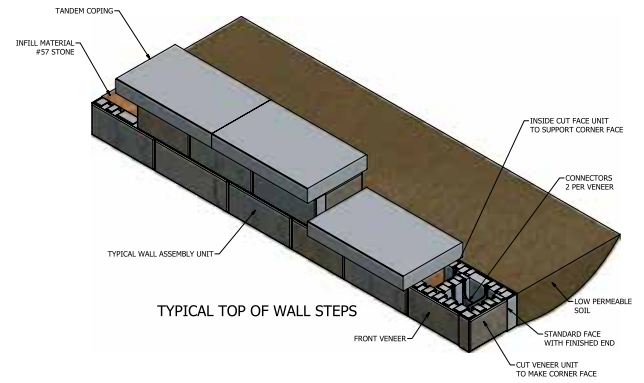
1. THE DRAINAGE SYSTEM SHALL CONSIST OF A 4" DIAMETER PERFORATED PVC PIPE WRAPPED WITH A GEOTEXTILE FABRIC.
2. PROVIDE RODENT SCREEN IN 4" DIAMETER NON-PERFORATED PIPE DAYLIGHTING THROUGH WALL.
3. SEE CONTRACT PLANS FOR ADDITIONAL REQUIREMENTS AND DETAILS.



SEGMENTAL RETAINING WALL TYPICAL DETAIL VIEWS



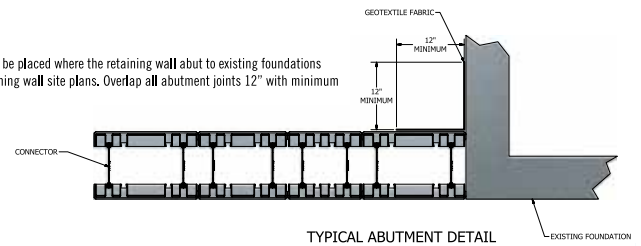
TYPICAL ELEVATION WALL WITH SLOPE



TYPICAL TOP OF WALL STEPS

NOTE:

1. Geotextile fabric shall be placed where the retaining wall abut to existing foundations as shown on the retaining wall site plans. Overlap all abutment joints 12" with minimum 24" fabric.

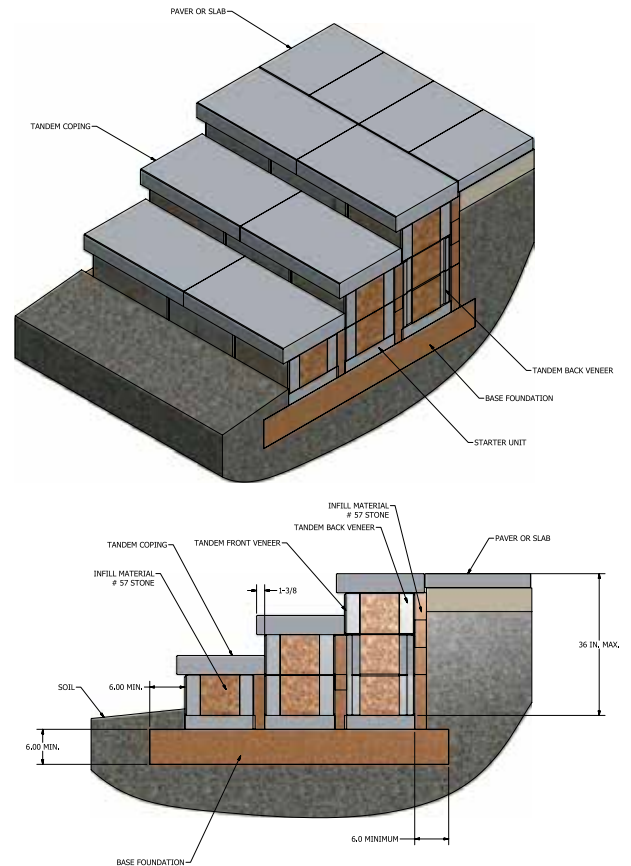
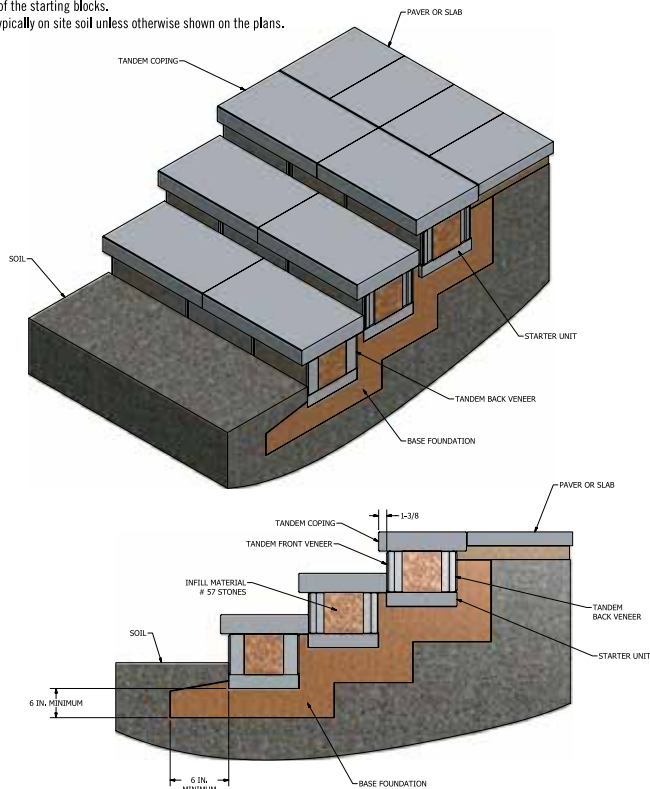


TYPICAL ABUTMENT DETAIL

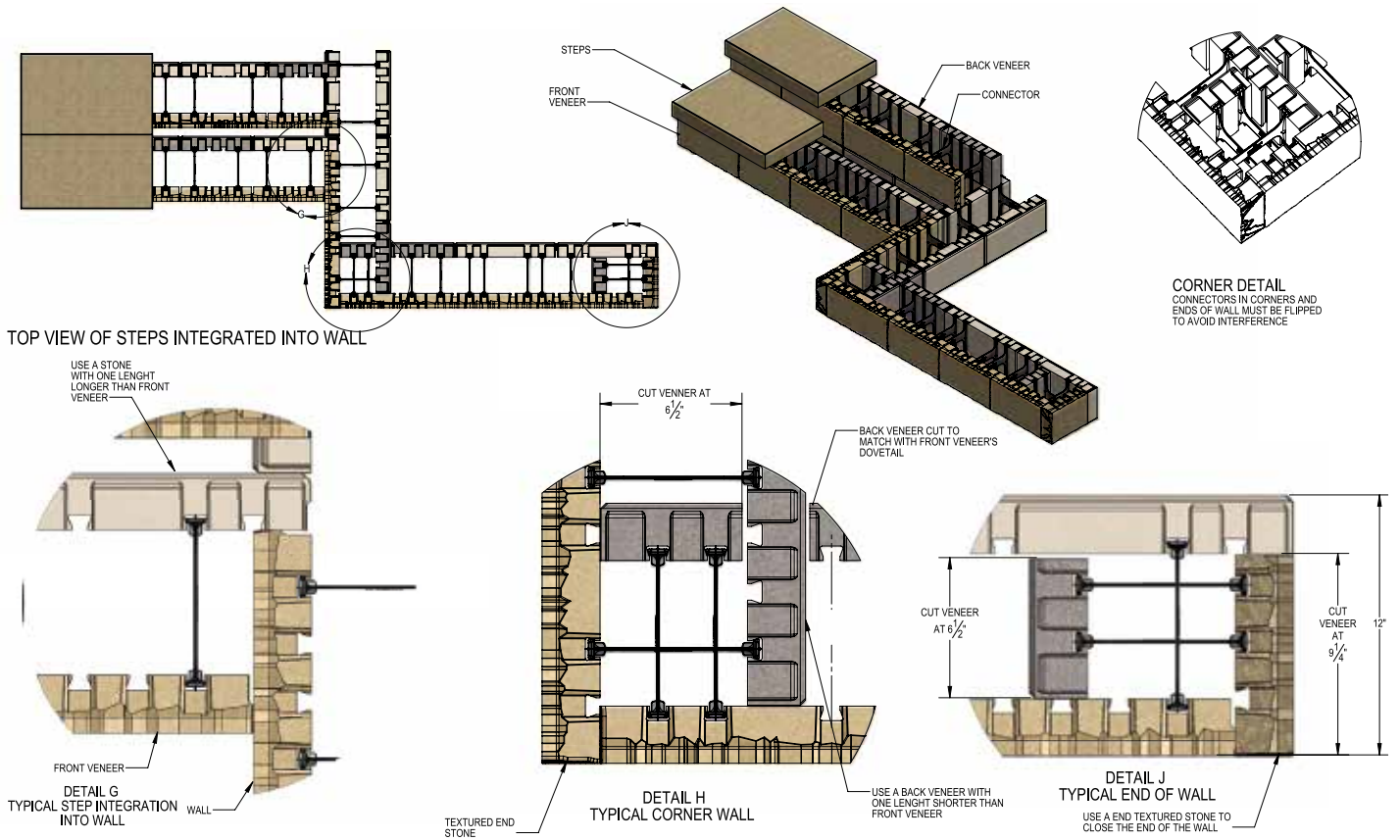
STEP DETAIL VIEWS

NOTE:

- 1-The base shall be made of starting blocks
- 2-Center Tandem face units on starting units.
- 3-The base foundation shall be approved by the site geotechnical engineer prior to placement of the starting blocks.
- 4-Backfill is typically on site soil unless otherwise shown on the plans.



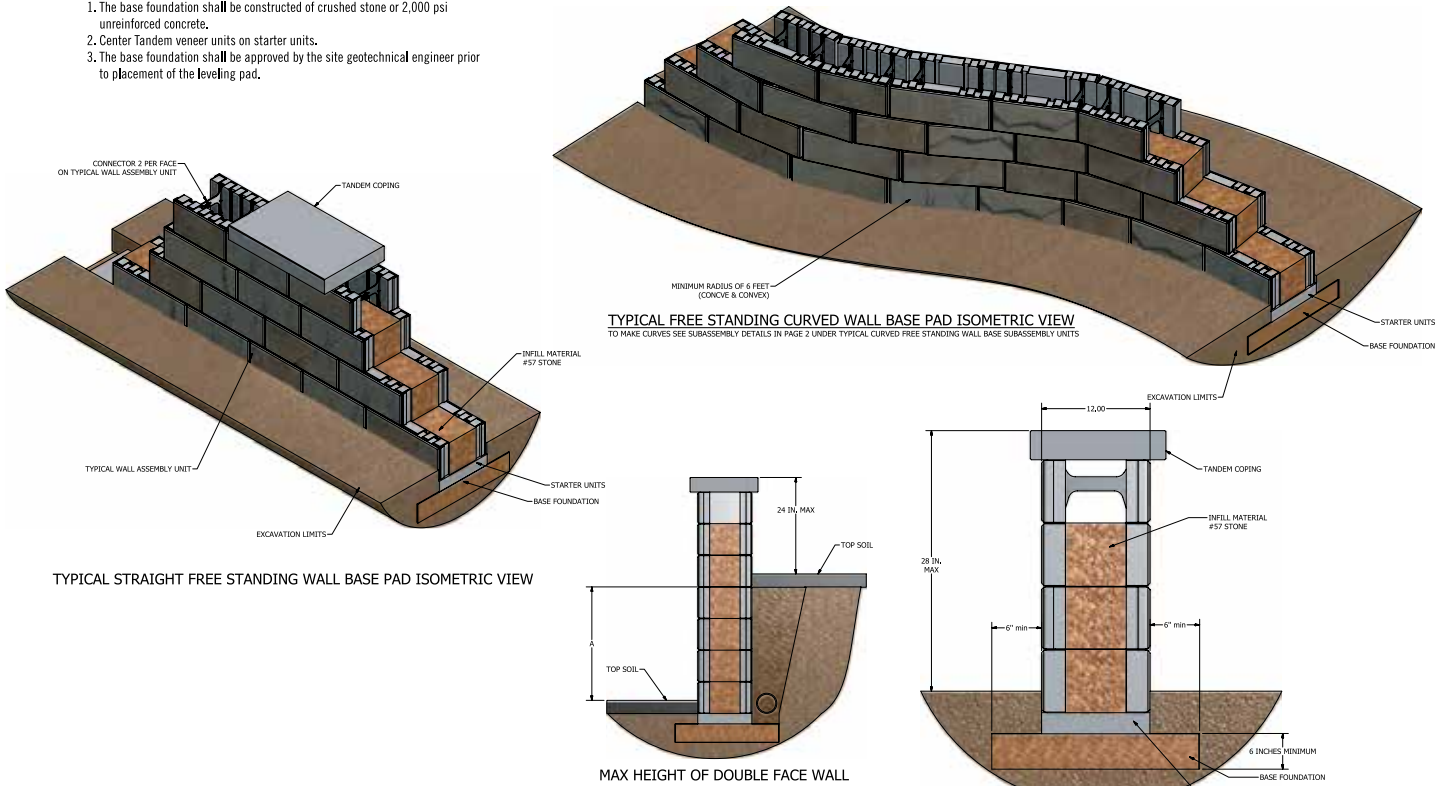
STEPS & CORNERS



FREE STANDING WALLS

NOTE:

1. The base foundation shall be constructed of crushed stone or 2,000 psi unreinforced concrete.
2. Center Tandem veneer units on starter units.
3. The base foundation shall be approved by the site geotechnical engineer prior to placement of the leveling pad.



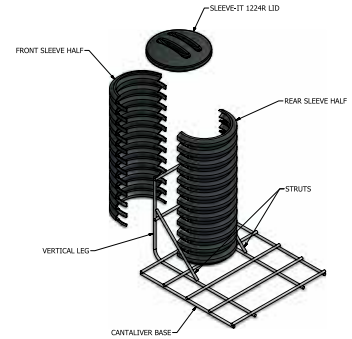
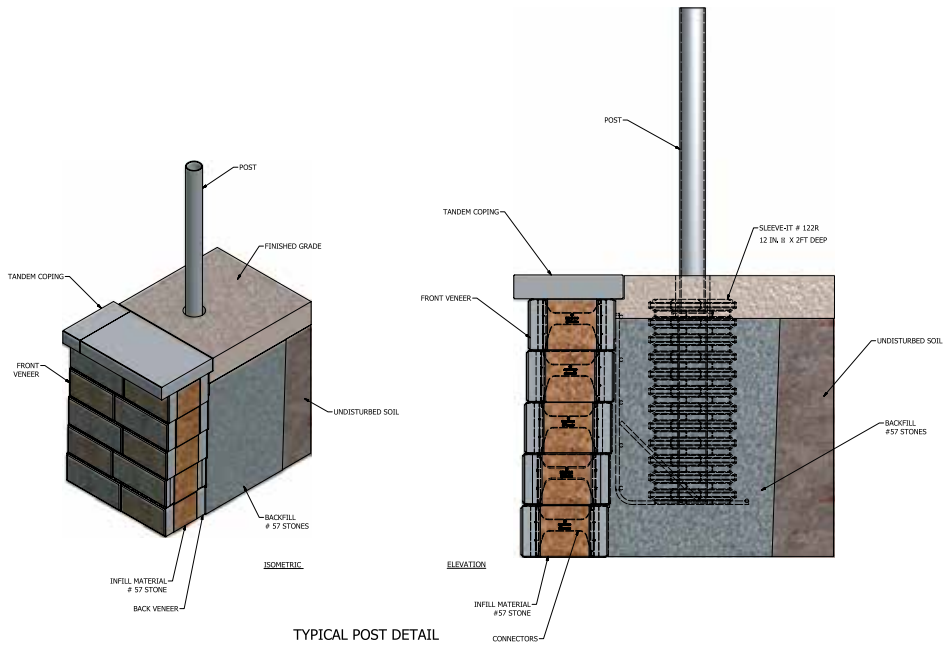
POST DETAIL VIEWS

NOTE:

1. Cut through geogrid layers.
2. Fencing systems approved for use with Sleeve-it 1224R are limited to the following heights: Chain link - up to 8 ft., Privacy-up to 6 ft (wooden, PVC, metal) Pedestrian Guards; 4ft max, Post size 4 x 4 maximum.
3. Designed by others.
4. A geotextile filter fabric separator is required between the unit drainage material and site backfill soil in any application where free water is expected upon the wall face such as in a detention pond or along waterways where the high water level may be above the bottom of the wall. Use of filter fabric shall extend a minimum of 1 foot above the anticipated high water level.
5. A fence, railing, guide rail/fence or other protective barrier is typically required along the top of all walls as required by the site engineer and local codes. The choice, location, and compliance to local codes of the appropriate barrier system is the responsibility of the owner and its site engineer.
6. Backfill is typically onsite soil unless otherwise shown in the plans.

(OPTIONAL)

7. Geotextile fabric as specified by the designing engineer is shown on the back face of the walls, it is recommended to be used to prevent native soils from infiltrating into the infill material.



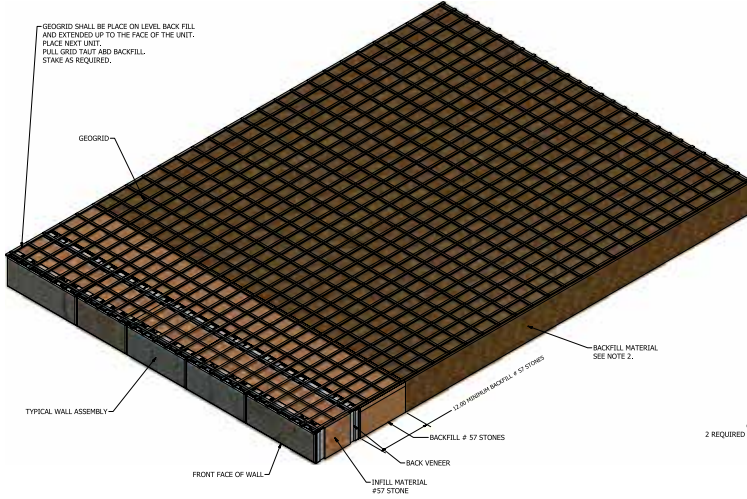
TYPICAL GEOGRID INSTALLATION WITH DRAIN

NOTE:

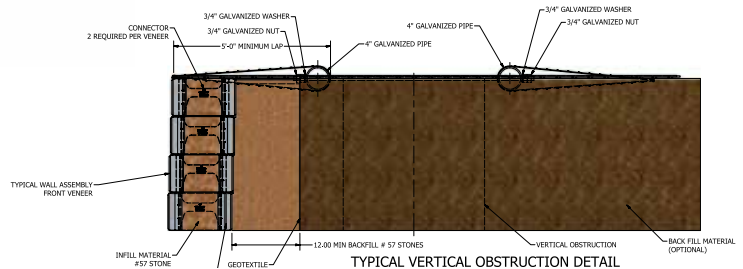
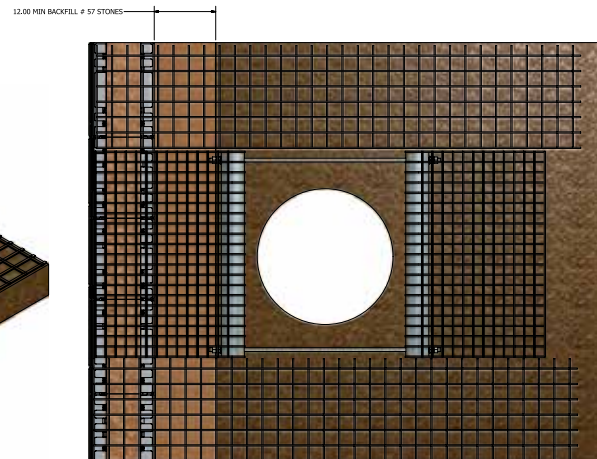
1. Geogrid shall be placed on level backfill and extended over connector and up to the face of the unit, pull grid taut and backfill. Stake as required.
2. Backfill is typically onsite soil unless otherwise shown in the plans.
3. Geotextile fabric as specified by the designing engineer is shown on the back face of the walls, it is recommended to be used to prevent native soils from infiltrating into the infill material.

NOTE:

1. Redirect geogrid above drainage pipes as required to avoid obstructions with drainage pipes extending transversely through the reinforced zone.
2. Reinforce the walls at the vertical obstruction as shown.
3. Backfill is typically onsite soil unless otherwise shown in the plans.



TYPICAL GEOGRID DETAIL

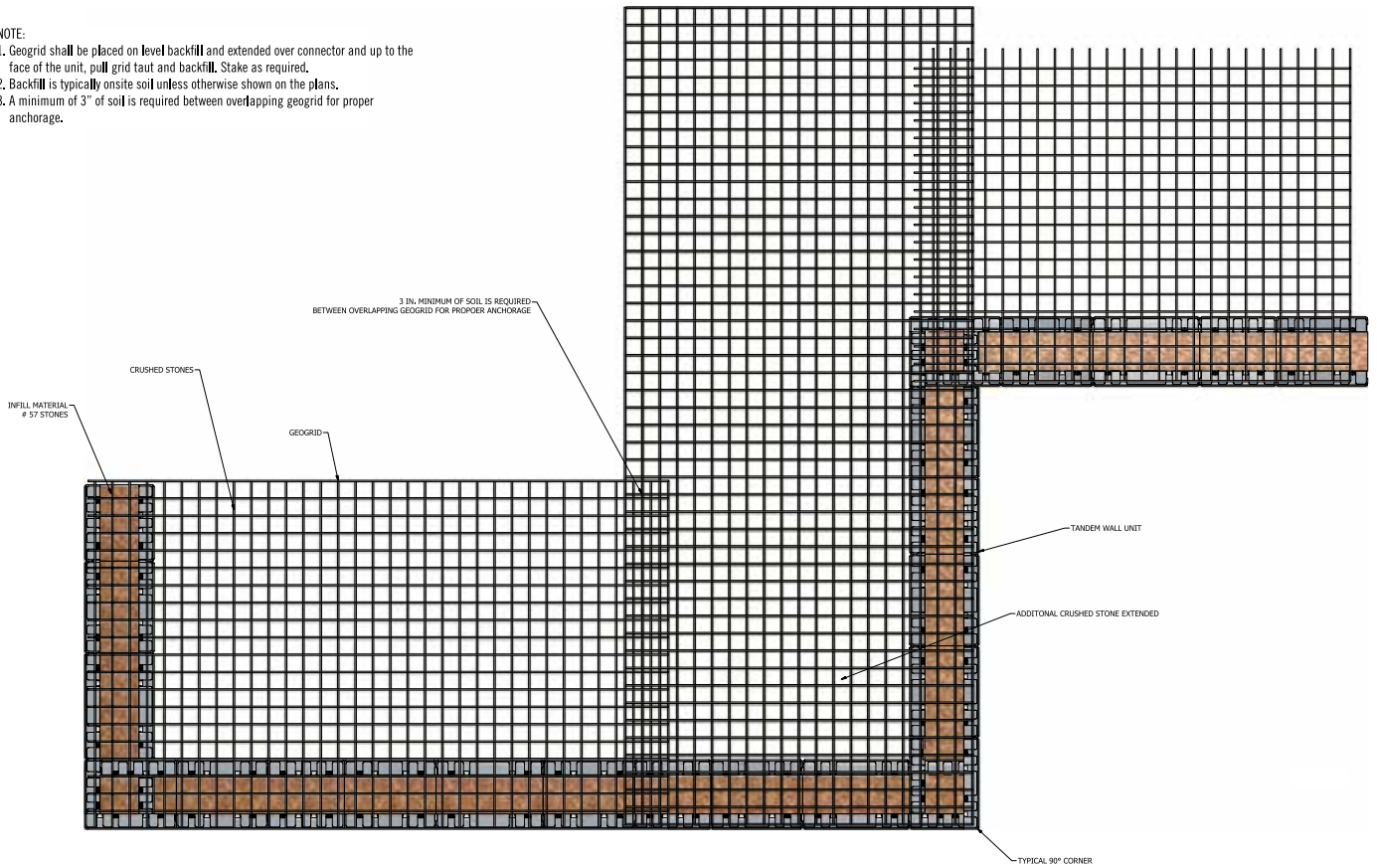


TYPICAL VERTICAL OBSTRUCTION DETAIL

TYPICAL GEOGRID INSTALLATION WITH CORNERS

NOTE:

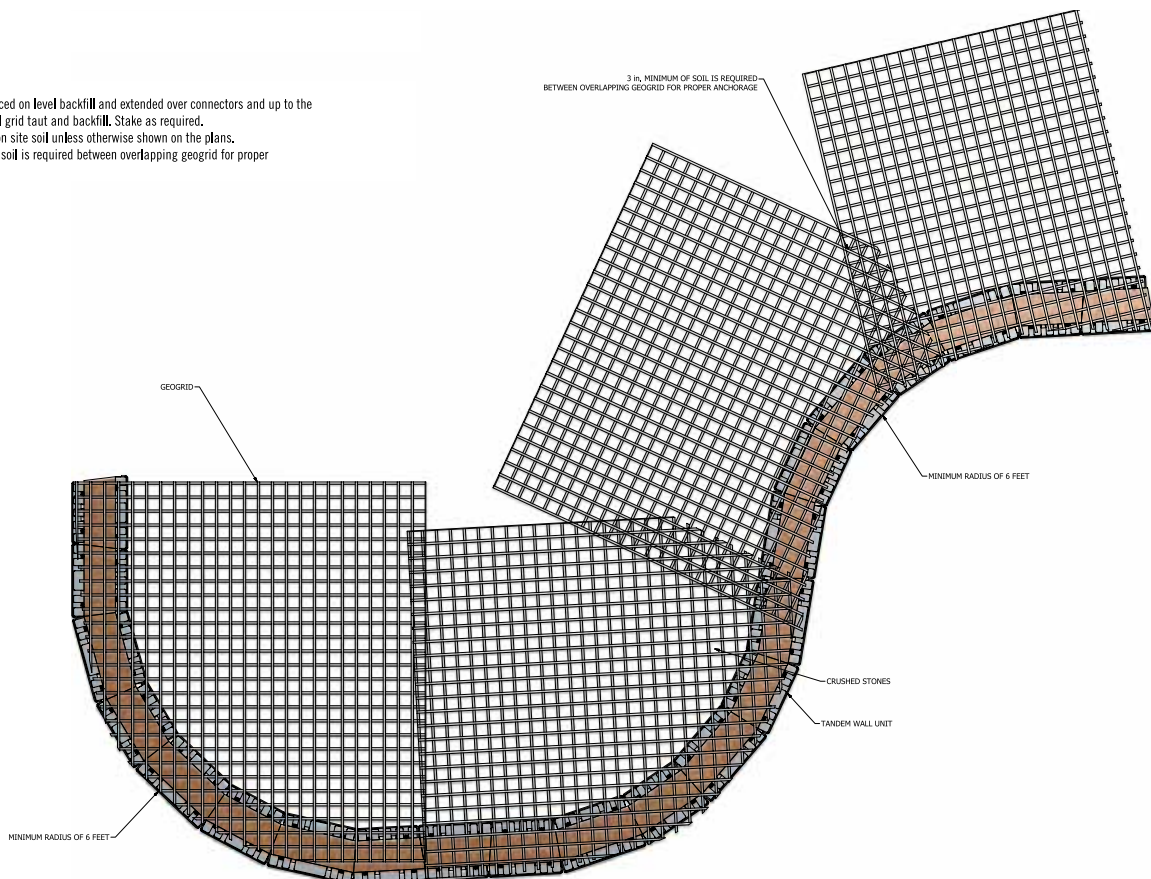
1. Geogrid shall be placed on level backfill and extended over connector and up to the face of the unit, pull grid taut and backfill. Stake as required.
2. Backfill is typically onsite soil unless otherwise shown on the plans.
3. A minimum of 3" of soil is required between overlapping geogrid for proper anchorage.



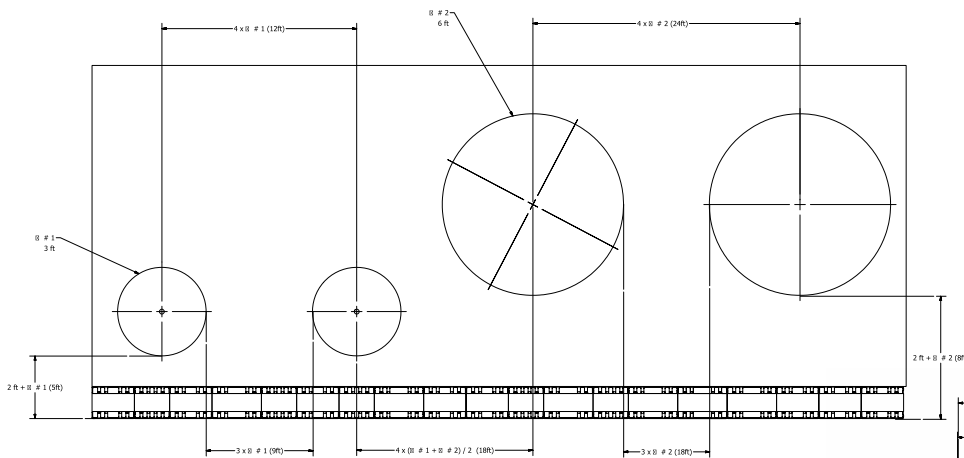
TYPICAL GEOGRID INSTALLATION IN CURVES

NOTE:

- 1-Geogrid shall be placed on level backfill and extended over connectors and up to the face of the unit, pull grid taut and backfill. Stake as required.
- 2-Backfill is typically on site soil unless otherwise shown on the plans.
3. A minimum of 3" of soil is required between overlapping geogrid for proper anchorage.

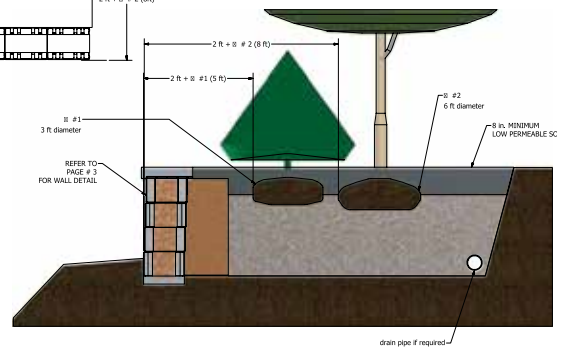


TYPICAL WALL TREE PLANTING DETAILS



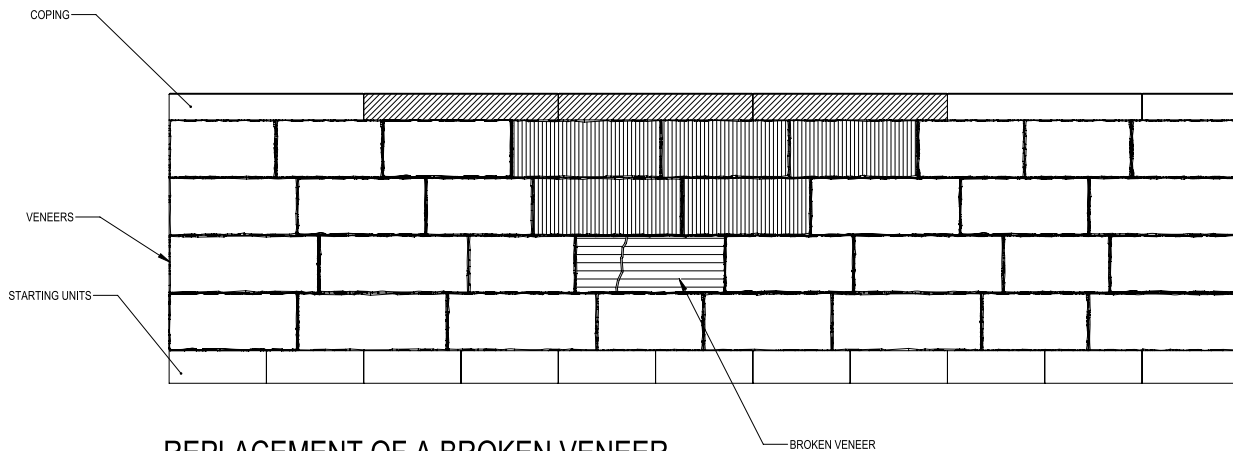
PLAN VIEW

- NOTE:
- 1- All planting offsets shall be a minimum of 2 feet + the opening diameter as measured from face of the wall
 - 2- Lateral spacing between openings shall be a minimum of 3 times the opening diameter.
 - 3- Soil reinforcement shall be carefully cut to avoid disturbance of adjacent reinforcement.
 - 4- Only top two layers of reinforcement may be cut to allow planting of tree root ball.
 - 5- Extreme care shall be taken if installing irrigation systems to not damage soil reinforcement.
 - 6- Numbers in parenthesis are for example only.



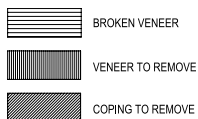
SECTION VIEW

BROKEN VENEER REPLACEMENT



REPLACEMENT OF A BROKEN VENEER

BEFORE REPLACING THE BROKEN VENEER, REMOVE ALL THE VENEERS AND COPINGS FROM TOP OF IT IN A "V" SHAPE. ONCE THE AGREGATES ARE DRAIN FROM THAT SPACE, REPLACE THE BROKEN VENEER AND PUT BACK THE OTHER VENEERS BEFORE REFILLING THE WALL.




TANDEM® WALL COLUMN KIT




PRODUCT SPECIFICATIONS

Final swatch selection should always be verified with physical samples.

A	TANDEM COLUMN VENEER*
7 x 18 x 3	

B	TANDEM COLUMN CLIP*
	

C	WIRE FRAME*
	

**Special Order Only*



TANDEM™ COLUMN COMPONENTS



1 Column grid



Connectors:
50 Pieces per bag
(Enough for one column)

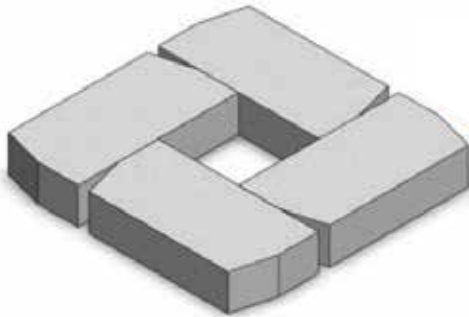


Pallet contains enough veneers
to complete two 42" walls.



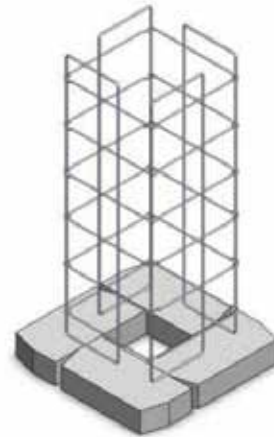
24" x 24" Cap Unit

STEP 1



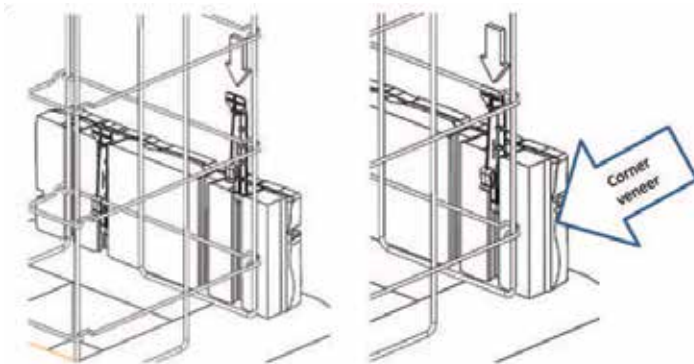
Place the grid on a prepared surface

STEP 2



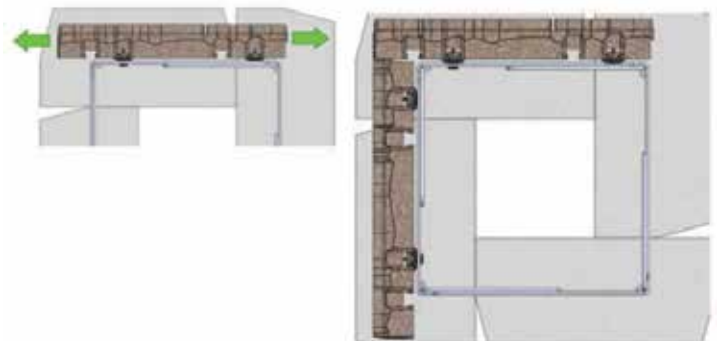
Make sure the outside perimeter of the grid is clear

STEP 3



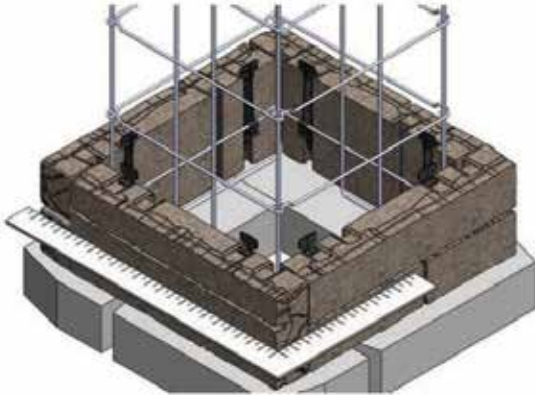
Take a veneer and slide the supplied connectors into the dovetails until they snap onto the horizontal rod of the grid.

STEP 4



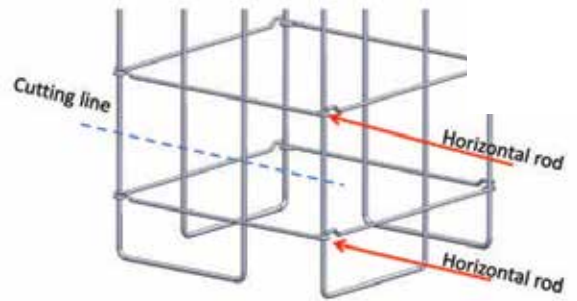
Take another stone and repeat the same process. Make sure you have a corner stone to finish the corner. Once installed, slide the stone along the horizontal axis to adjust the corner.

STEP 5



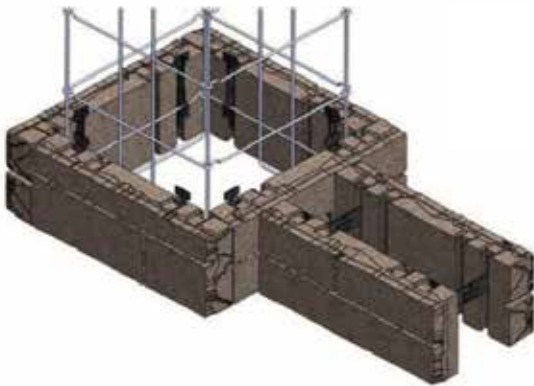
Once you have completed the first two rows, use a square to make sure the column is square and then fill the space with 3/4" clear aggregate. Fill the empty space with aggregates at every row.

OPTIONAL



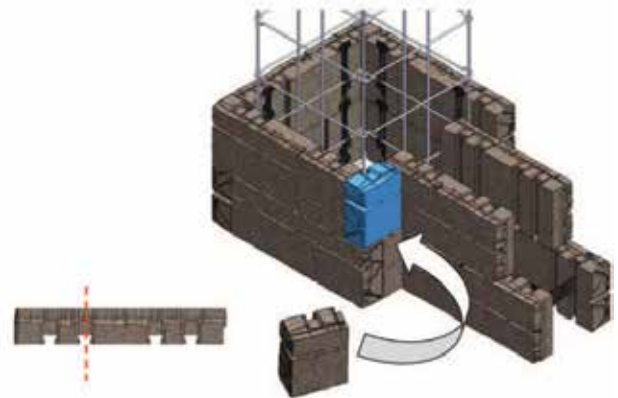
If you have to cut the grid before installation on the base, you must cut the vertical rod at mid distance between two horizontal rods as shown below.

STEP 6



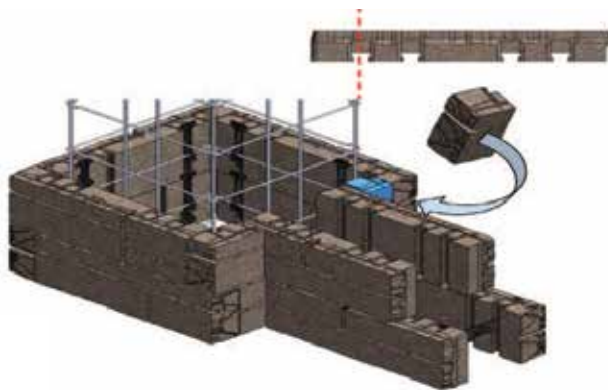
To integrate a wall into the column you must cut a veneer every two rows. The cut must be done at the middle of the dovetail.

STEP 7



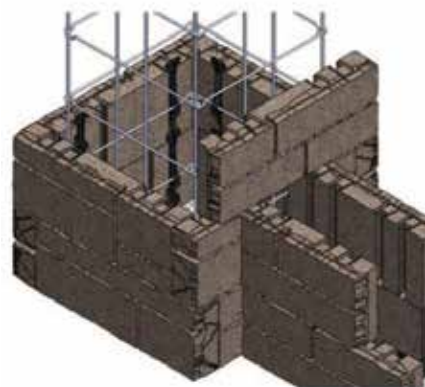
At the second row, cut a veneer (other than G format) at their middle of the selected dovetail to fit with the space left.

STEP 8



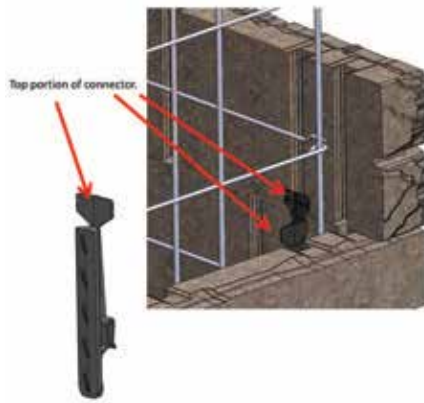
Make the same at the opposite side.

STEP 9



Start again with a full veneer to cover the wall.

STEP 10



IMPORTANT

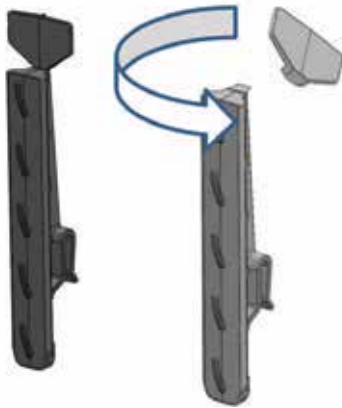
When you are starting the second row, make sure the base of the top veneer hits the top portion of the connector.

STEP 11



When you have reach the last row, cut the top portion of the connectors with pliers snippers or just by twisting the top portion with your hands.

STEP 12



Apply glue on the top of the veneers before putting on the capping. **IMPORTANT:** The capping must lay on the veneers , not on the grid.

For more pattern options visit belgard.com/products/retaining_walls

NOTES

TANDEM® MODULAR GRID



RESIDENTIAL	COMMERCIAL	STEPS	COLUMNS	FIREPIT	RETAINING WALLS	MAILBOX
✓		✓	✓	✓		✓

PRODUCT SPECIFICATIONS

Final swatch selection should always be verified with physical samples.

A	Tandem Veneer Unit
7 x 18 x 3	

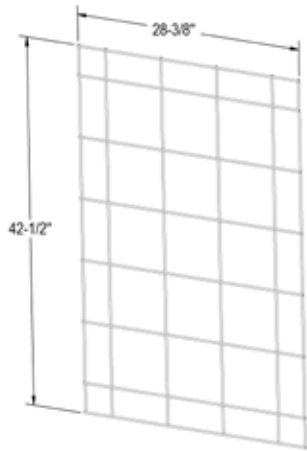
B	Tandem Connector

C	Modular Horizontal Grid

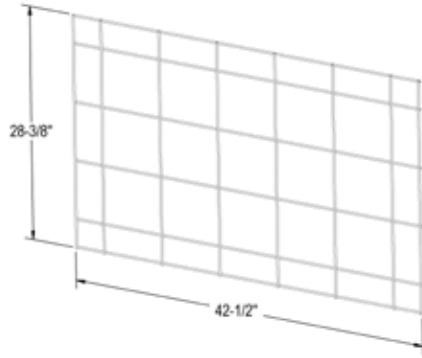
Modular Vertical Grid	



DANVILLE BEIGE



Modular Grid-Vertical



Modular Grid-Horizontal



Connector

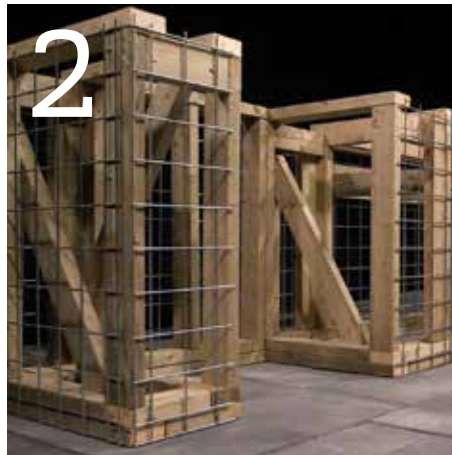


Tandem Veneer Unit*

*Tandem Veneer available in three sizes.



1
Build your wooden frame



2
Attach your Modular Grid







3
Attach Tandem Veneer
with Connector

WESTON STONE® & WESTON STONE® UNIVERSAL

Freestanding & Retaining Wall



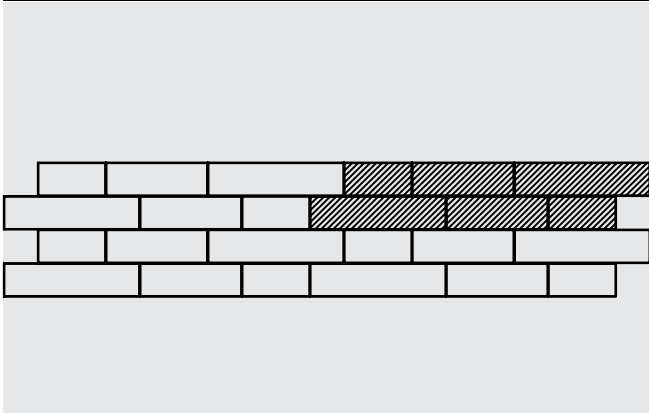
PRODUCT SPECIFICATIONS

A	3-Piece Modular	
4 x 8 x 8		
4 x 12 x 8		
4 x 16 x 8		
B	Universal	
4 x 12 x 8		

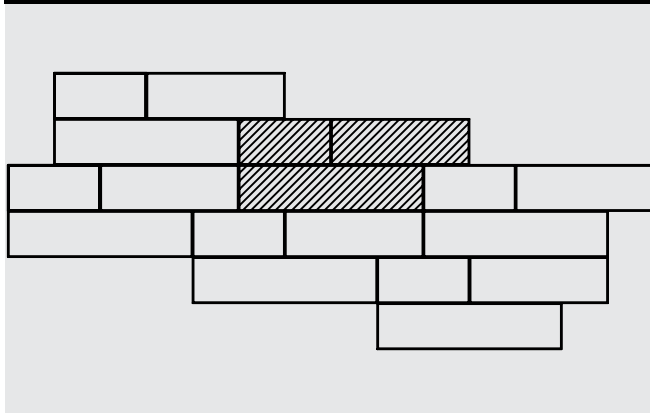


WESTON STONE LAYING GUIDE

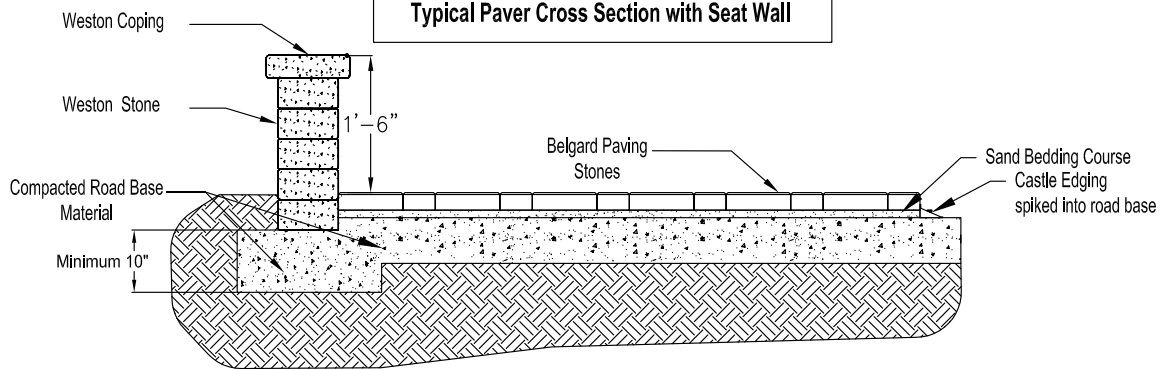
WESTON STONE 3-PIECE PATTERN "A"



WESTON STONE 3-PIECE PATTERN "B"



Weston Stone Seat wall Typical Paver Cross Section with Seat Wall



For more pattern options visit belgard.com/products/retaining_walls

NOTES

PALLET INFORMATION/ ESTIMATING CHART

UNIT	Units/ Pallet	Layer/Pallet	SqFt/ Layer	SqFt/ Pallet	LnFt Pallet (Soldier)	LBS/Unit	Units/SqFt	LBS/Layer	Weight/Pallet
A	-	7	6	42	-	-	-	-	3,360 LBS
B	-	7	16 PCS	112 PCS	-	-	-	-	3,136 LBS





ELEMENTS™

Outdoor Kitchens & Fireplaces

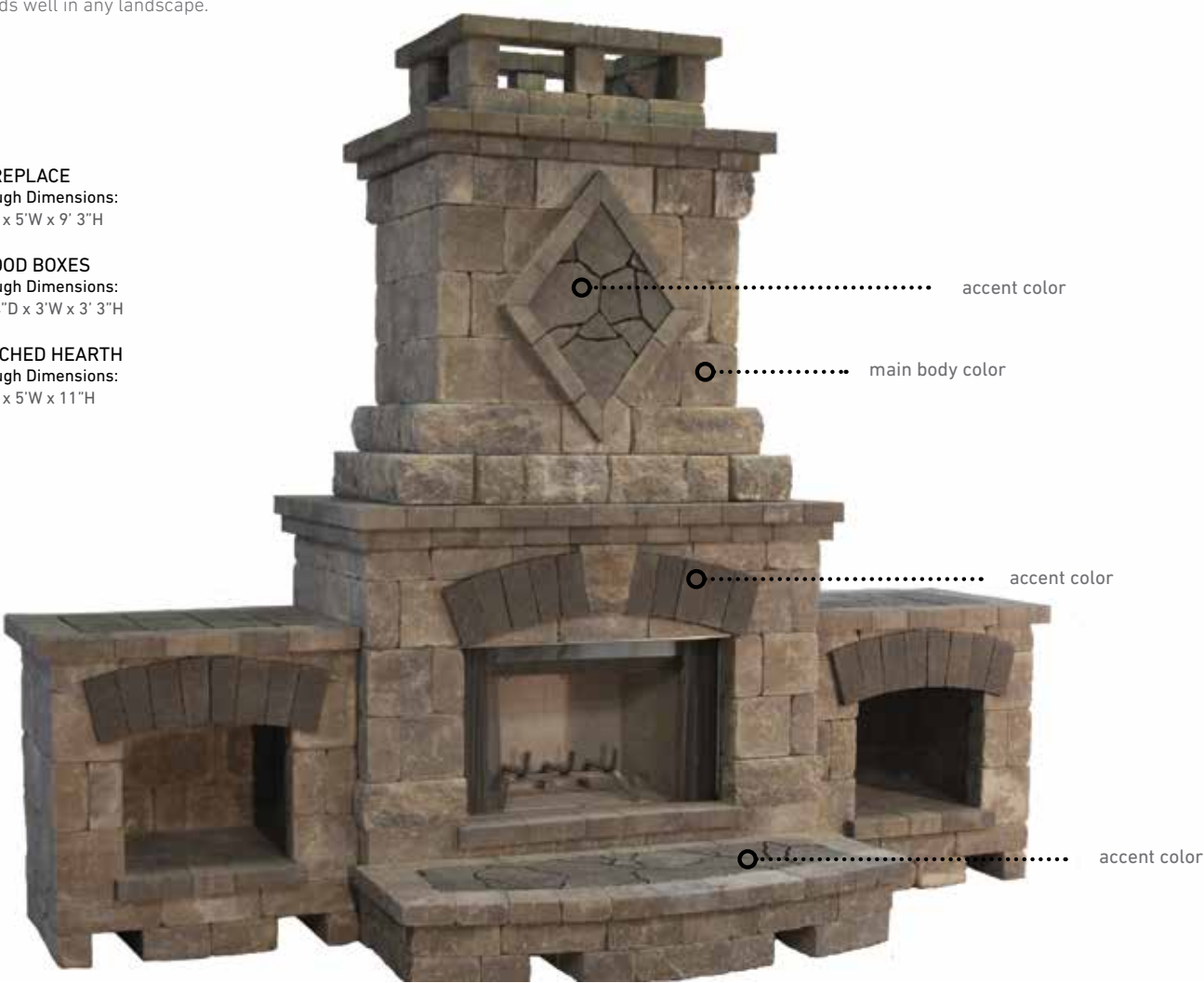
BRISTOL SERIES

A beautiful combination of Weston Stone® tumbled block, featuring Arbel® Paver and Urbana® Stone accents. Bristol's rustic look blends well in any landscape.

FIREPLACE
Rough Dimensions:
3'D x 5'W x 9' 3"H

WOOD BOXES
Rough Dimensions:
2' 4"D x 3'W x 3' 3"H

ARCHED HEARTH
Rough Dimensions:
2'D x 5'W x 11"H



AVAILABLE COLORS

MAIN BODY	ACCENT
Gascony Tan	Ashbury Haze
Cotswold Mist	Brookstone Slate



GASCONY TAN



ASHBURY HAZE



COTSWOLD MIST



BROOKSTONE SLATE

BRISTOL SERIES



FIREPLACE

Rough Dimensions:
3'D x 5'W x 9' 3"H



BRICK OVEN

Rough Dimensions:
4'D x 4'W x 8' 5"H



ARCHED HEARTH

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



WOOD BOXES

Rough Dimensions
Available In:
2' 4"D x 3'W x 3' 3"H



GRILL ISLAND

Rough Dimensions:
3'D x 6' 4"W x 4' 4"H

BRISTOL SERIES

FIREPLACE, WOOD BOXES & ARCHED HEARTH SPECIFICATIONS



FIREPLACE

70580261

Bristol Fireplace

Colors: Weston Gascony Tan/
Arbel Ashbury Haze Base + Top

70580312

Bristol Fireplace

Colors: Weston Cotswold Mist/
Arbel Brookstone Slate Base + Top

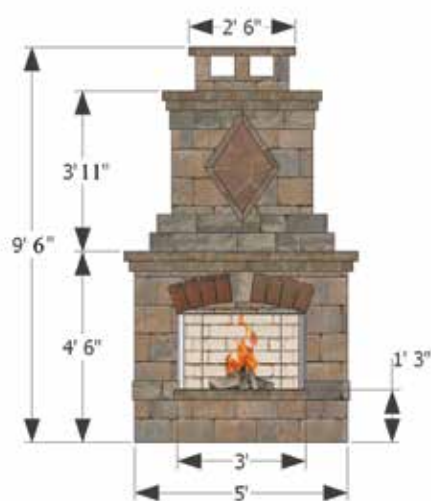
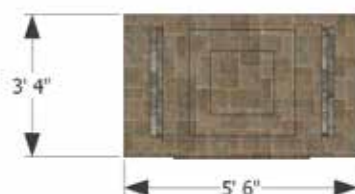
Approximate Weight:

Bottom Unit-4095 lbs.
Top Unit-3200 lbs.

Rough Dimensions:

3'D x 5'W x 9' 6"H

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



WOOD BOXES

70580334

Bristol Wood Boxes (Pair)

Colors: Weston Gascony Tan/Urbana Ashbury Haze

70580534

Bristol Wood Boxes (Pair)

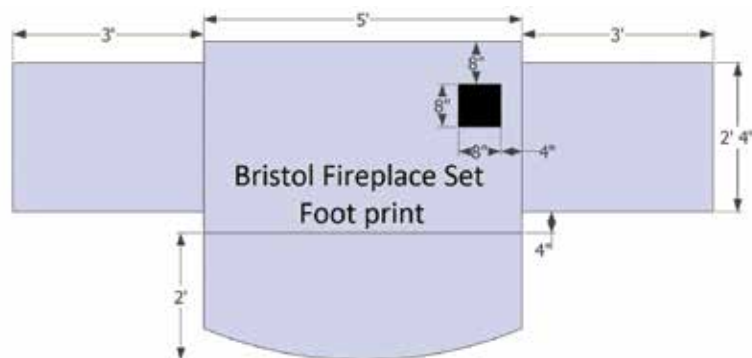
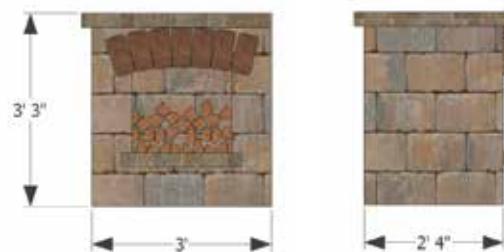
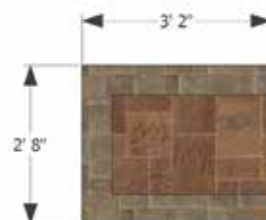
Colors: Weston Cotswold Mist/Urbana Brookstone Slate

Approximate Weight Per Pair:

3950 lbs.

Rough Dimensions:

2' 4"D x 3'W x 3' 3"H



ARCHED HEARTH

70580262

Bristol Arched Hearth

Colors: Weston Gascony Tan/Arbel Ashbury Haze

70580309

Bristol Arched Hearth

Colors: Weston Cotswold Mist/Arbel Brookstone Slate

Approximate Weight:

1180 lbs.

Rough Dimensions:

2'D x 5'W x 11"H

BRISTOL SERIES

BRICK OVEN & GRILL ISLAND SPECIFICATIONS



BRICK OVEN

70583280

Bristol Brick Oven

Colors: Weston Gascony Tan/
Urbana Ashbury Haze Base + Top

70580205

Bristol Brick Oven

Colors: Weston Cotswold Mist/
Urbana Brookstone Slate Base + Top

Approximate Weight:

Bottom Unit-3125 lbs.

Top Unit-3800 lbs.

Rough Dimensions:

4'D x 4'W x 8' 5"H

GRILL ISLAND

13110008 (NG) / 11130250 (LP)

Bristol Grill Island

Colors: Weston Gascony Tan/
Arbel Ashbury Haze + Stainless

13110009 (NG) / 13110256 (LP)

Bristol Grill Island

Colors: Weston Cotswold Mist/
Arbel Brookstone Slate + Stainless

Approximate Weight:

3945 lbs.

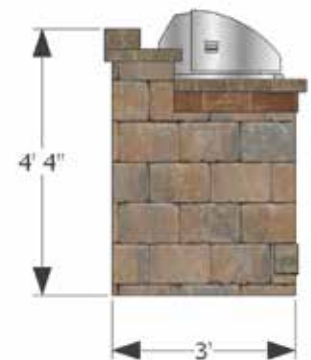
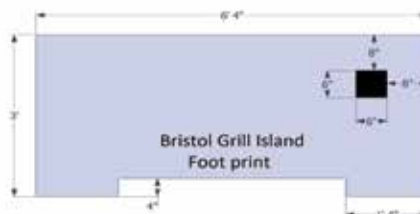
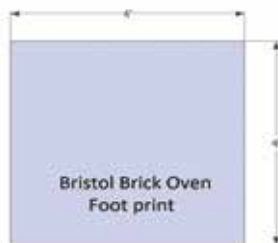
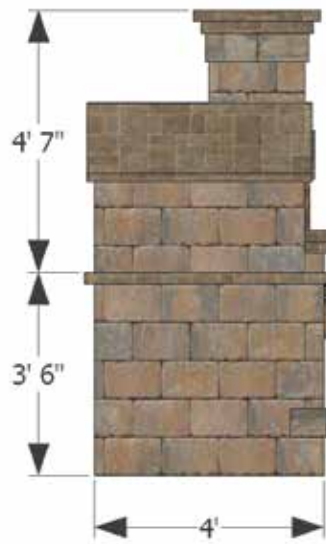
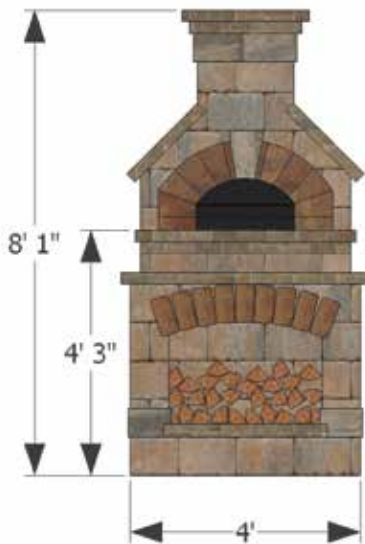
Rough Dimensions:

3'D x 6' 4"W x 4' 4"H

GRILL ISLAND INCLUDES

- Napoleon 5 Burner Grill
- Stainless Steel Cooking Grids
- i-Glow Backlit Control Knobs
- Rear Infrared Rotisserie Burner
- 760 sq. in. of cooking surface
- Up to 66,000 BTU
- Requires 110v outlet
- Napoleon 30" Stainless Steel Double Doors

* Hoses not included, recommended hard-piped installation.



BRIGHTON SERIES

This series features a built-in hearth and available wood boxes. Attractive arched accents complete the look.

FIREPLACE

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

WOOD BOXES

Rough Dimensions:
2' 4"D x 2' 8"W x 2' 11"H



○..... main body color

○..... accent color

AVAILABLE COLORS

MAIN BODY	ACCENT
Gascony Tan	Ashbury Haze
Cotswold Mist	Brookstone Slate



GASCONY TAN



ASHBURY HAZE



COTSWOLD MIST



BROOKSTONE SLATE

BRIGHTON SERIES



FIREPLACE

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



WOOD BOXES

Rough Dimensions:
2' 4"D x 2' 8"W x 2' 11"H



BRIGHTON SERIES

FIREPLACE & WOOD BOXES

SPECIFICATIONS



FIREPLACE

70580007

Brighton Fireplace

Colors: Weston Gascony Tan/Urbana Ashbury Haze Base + Top

70580378

Brighton Fireplace

Colors: Weston Cotswold Mist/Urbana Brookstone Slate Base + Top

Approximate Weight:

Bottom Unit-4605 lbs.

Top Unit-1230 lbs.

Rough Dimensions:

3' 4"D x 4' 4"W x 8' 4"H

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

WOOD BOXES

70300046

Brighton Wood Boxes (Pair)

Colors: Weston Gascony Tan/Urbana Ashbury Haze

70580291

Brighton Wood Boxes (Pair)

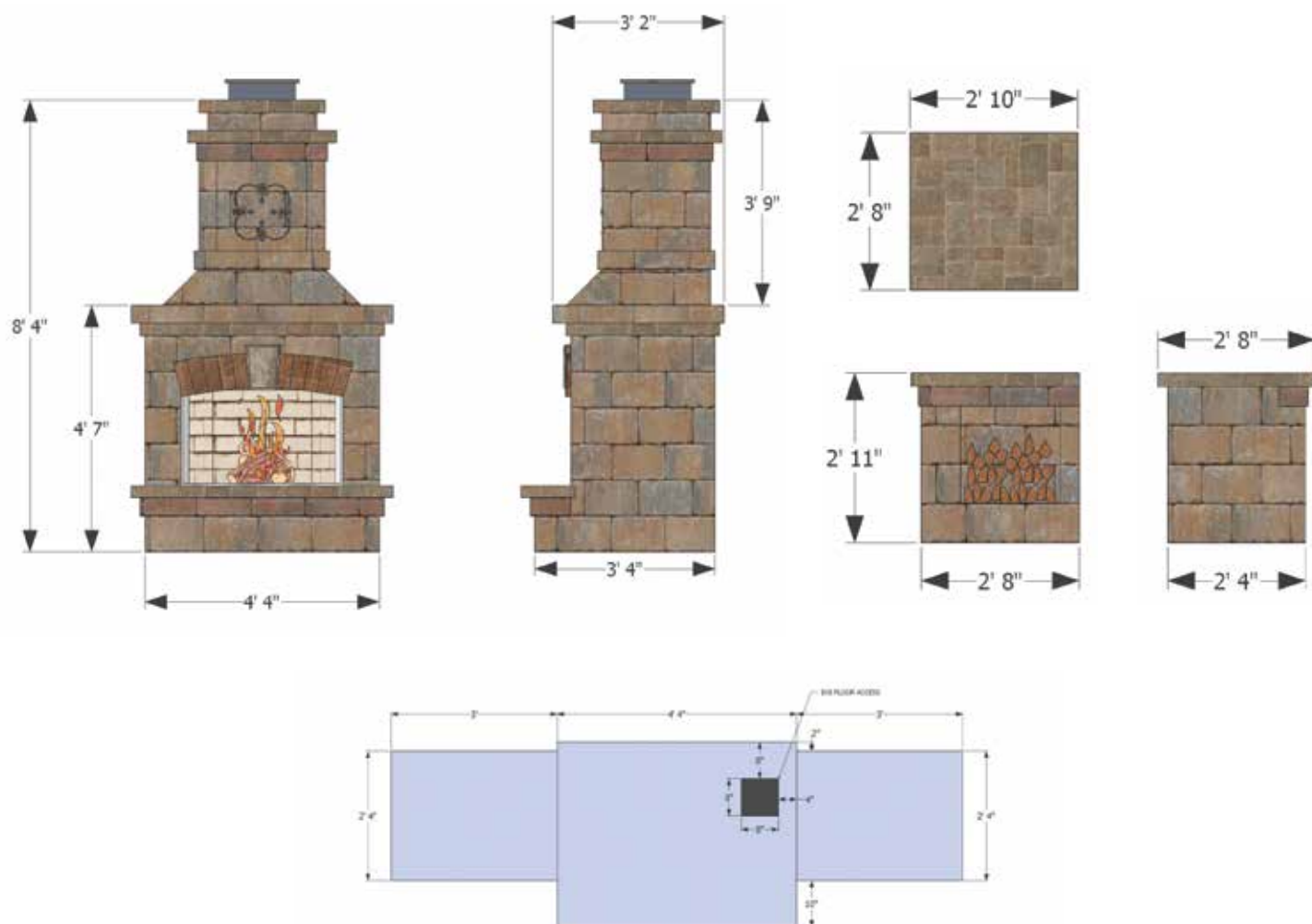
Colors: Weston Cotswold Mist/Urbana Brookstone Slate

Approximate Weight Per Pair:

3200 lbs.

Rough Dimensions:

2' 4"D x 2' 8"W x 2' 11"H



BORDEAUX SERIES

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

WOOD BOXES
Rough Dimensions:
2' 1 1/4"D x 3' 3"W x 3' 1"H



AVAILABLE COLORS

MAIN BODY	ACCENT
Sienna	Buff
Sienna	Midnight

BUFF



SIENNA



MIDNIGHT



BORDEAUX SERIES

FIREPLACE & WOOD BOXES

SPECIFICATIONS



FIREPLACE

70300791

Bordeaux Builder Wood Fireplace

Colors: Lamina Sienna/
Cordova Stone Buff Base + Top

13070014

Bordeaux Builder Wood Fireplace

Colors: Lamina Sienna/
Cordova Stone Midnight Base + Top

Approximate Weight:

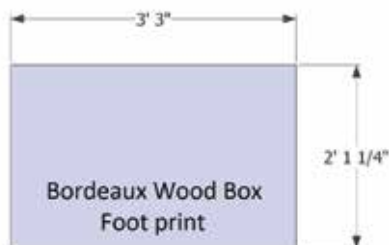
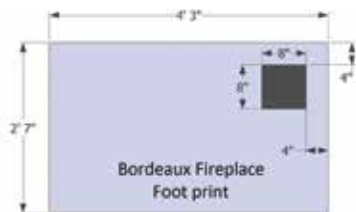
Bottom Unit-2850 lbs.

Top Unit-1320 lbs.

Rough Dimensions:

2' 7"D x 4' 3"W x 8'H

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



WOOD BOXES

13140001

Bordeaux Wood Boxes (Pair)

Colors: Lamina Sienna/Cordova Stone Buff

13140020

Bordeaux Wood Boxes (Pair)

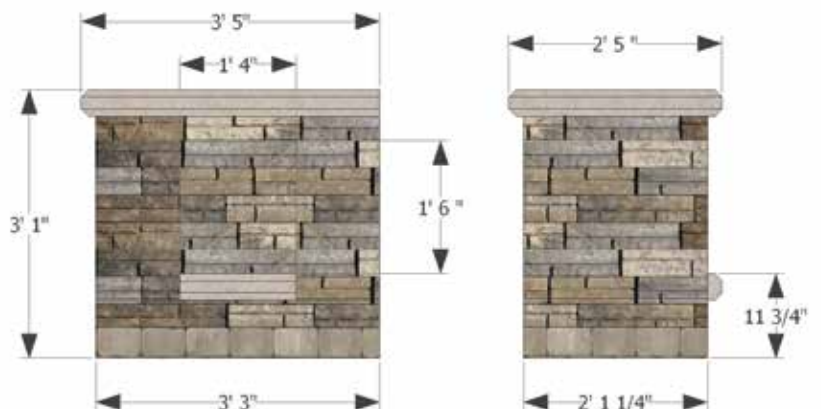
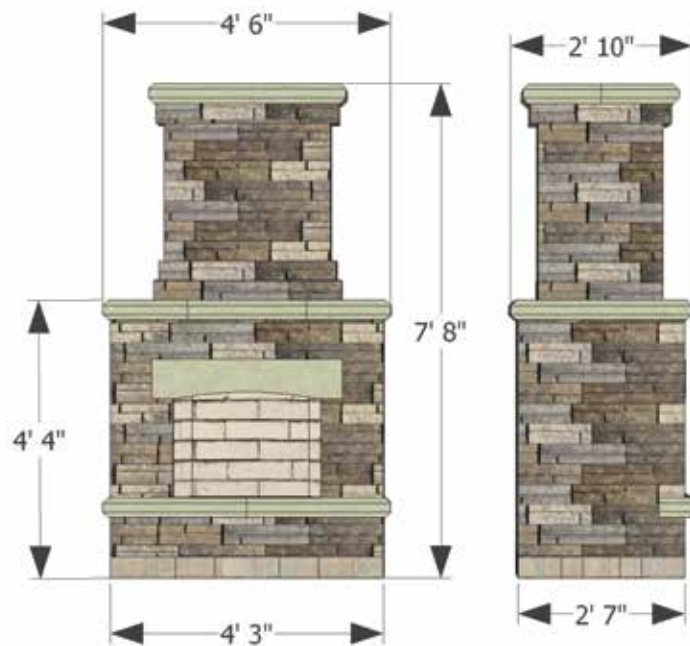
Colors: Lamina Sienna/Cordova Stone Midnight

Approximate Weight:

3070 lbs.

Rough Dimensions:

2' 1 1/4"D x 3' 3"W x 3' 1"H



BORDEAUX SERIES

BRICK OVEN & GRILL ISLAND SPECIFICATIONS



BRICK OVEN

13000012

Bordeaux Brick Oven

Colors: Lamina Sienna/
Cordova Stone Buff Base + Top

13000014

Bordeaux Brick Oven

Colors: Lamina Sienna/
Cordova Stone Midnight Base + Top

Approximate Weight:

5252 lbs.

Rough Dimensions:

3' 6"D x 4' 5"W x 7' 5"H

GRILL ISLAND

13110010 (NG) / 13110011 (LP)

Bordeaux Grill Island

Colors: Lamina Sienna/
Cordova Stone Buff + Stainless

13110014 (NG) / 13110015 (LP)

Bordeaux Grill Island

Colors: Lamina Sienna/
Cordova Stone Midnight + Stainless

Approximate Weight:

3055 lbs.

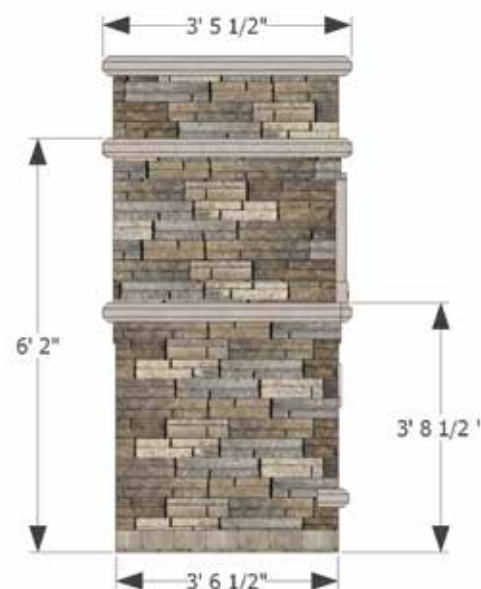
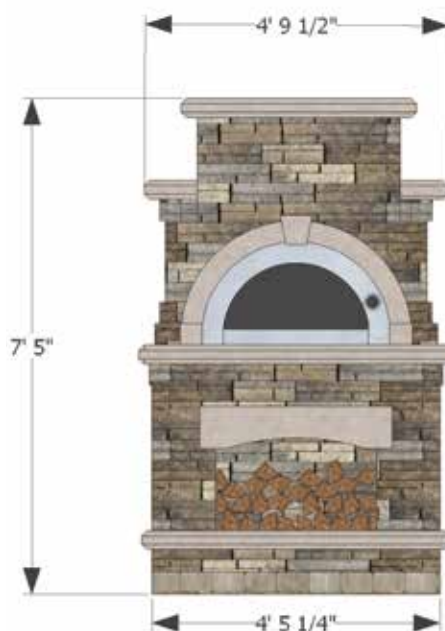
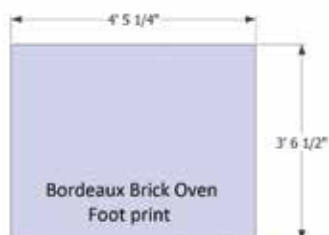
Rough Dimensions:

2' 6"D x 5' 11"W x 3' 5"H

GRILL ISLAND INCLUDES

- Napoleon 5-Burner Grill
- Porcelainized Cast Iron Cooking Grids
- JETFIRE Ignition
- Rear Infrared Rotisserie Burner
- 760 sq. in. of cooking surface
- Up to 66,000 BTU
- Napoleon 30" Stainless Steel Double Doors

* Hoses not included, recommended hard-piped installation.



KITCHEN

DESIGN IDEAS & ACCESSORIES

Kitchens can be customized & combined to fit almost any outdoor space. See some kitchen layout suggestions below.



STRAIGHT KITCHEN



DELUXE KITCHEN



36" AOG GRILL
36NB
37"W x 19 1/2"D x 8 1/2"H



NAPOLEON PRESTIGE 500 GRILL
70583423 NG
70583422 LP*
32"W x 32"D x 26"H



AOG DOUBLE DRAWER
16-15-DSSD
14 1/2"W x 20 1/2"D x 15 3/4"H



AOG DOUBLE ACCESS DOOR
20-30-SSD
20 3/4"H x 30"W



AOG SINGLE ACCESS DOOR
20-14-SSDR or DL
20 3/4"H x 14 1/2"W



AOG REFRIGERATOR
REF-20
19 3/4"W x 21 3/4"D x 34 3/4"H

KITCHEN

DESIGN IDEAS & ACCESSORIES

Kitchens can be customized & combined to fit almost any outdoor space.
See some kitchen layout suggestions below.



“L” KITCHEN



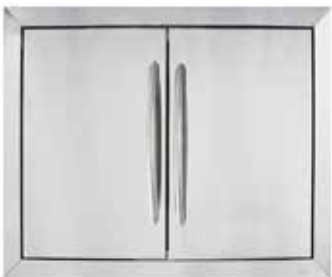
“L” WITH OVEN



NAPOLEON PRESTIGE PRO 500 GRILL
70583420 NG
70583421 LP*
32"W x 32"D x 26"H



FIRE MAGIC SINK & FAUCET
3587 & 3588
14"W x 14"D x 6"H



NAPOLEON 30" STAINLESS STEEL
DOUBLE DOORS
70588232
28 1/4"W x 20 1/4"H



AOG SINGLE SIDE BURNER
3283
8 3/4"W x 14 1/4"D



FIRE MAGIC BAR CADDY
1D-S0
14 1/4"W x 23 3/4"D x 12"H

*NOTE: 1 Napoleon propane regulator required for all Napoleon LP Grills (70580428)

BELGARD® BRICK OVENS

A beautiful focal point to your new outdoor living space, a brick oven will bring your family and friends hours of enjoyment. Options range from complete built-in to easy table top models giving you an unparalleled outdoor experience in any space.



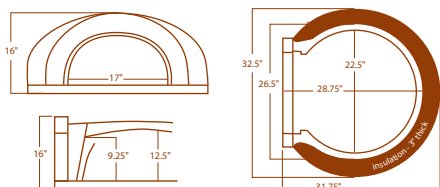
PRODUCT SPECIFICATIONS

CB0-500 Bundle

4-piece oven (Dome, Hearth (2 pieces), Arch, Decorative Door, Flue Adaptor) Install Kit (Insulating Board, Insulating Blanket, Mortar) Cooking Kit (Pizza Peel, Brush)



Model 500



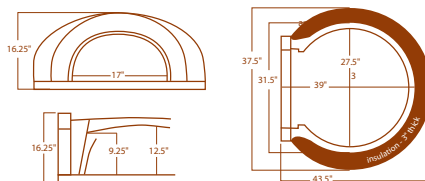
Cooking Surface	Height	Length	Width	Weight	Item Number
29" x 23"	16"	32.5"	31.75"	300	70300031

CB0-750 Bundle

5-piece oven (Dome, Hearth, Arch, Decorative Door, Flue Adaptor) Install Kit (Insulating Board, Insulating Blanket, Mortar) Cooking Kit (Insulating Door, Pizza Peel, Brush)



Model 750



Cooking Surface	Height	Length	Width	Weight	Item Number
41" x 28"	16.25"	37.5"	43.5"	480	70580500



BELGARD BRICK OVEN CART

A durable stainless steel wood burning brick oven and mobile cart unit.

BELGARD COUNTER TOP MODEL

A durable stainless steel countertop brick oven with large cooking surface.



Stationary



CBO Counter Top model

A pre-assembled brick oven that can be placed on a sturdy base of your choice.

Color Availability	Model	Height	Depth	Width	Weight	Item Number
Copper	500	46"	32"	34"	500	70580509
Copper	750	46"	40"	35.5"	600	70580510

Pre-Assembled



Bristol

This preassembled brick oven consists of Weston Stone body with Urbana, Dublin Cobble and Anchor Highland Accents. Comes standard with 750 Series brick oven.

Model	Height	Length	Width	Weight	Item Number
750	7.75'	4'	4'	6500	70306097

Mobile



CBO Cart model

Oven with durable, steel cart to give you a mobile, outdoor wood-fired brick oven.

Color Availability	Model	Height	Depth	Width	Weight	Item Number
Copper	500	61"	32"	34"	550	70580507
Copper	750	61"	32"	35.5"	650	70580508



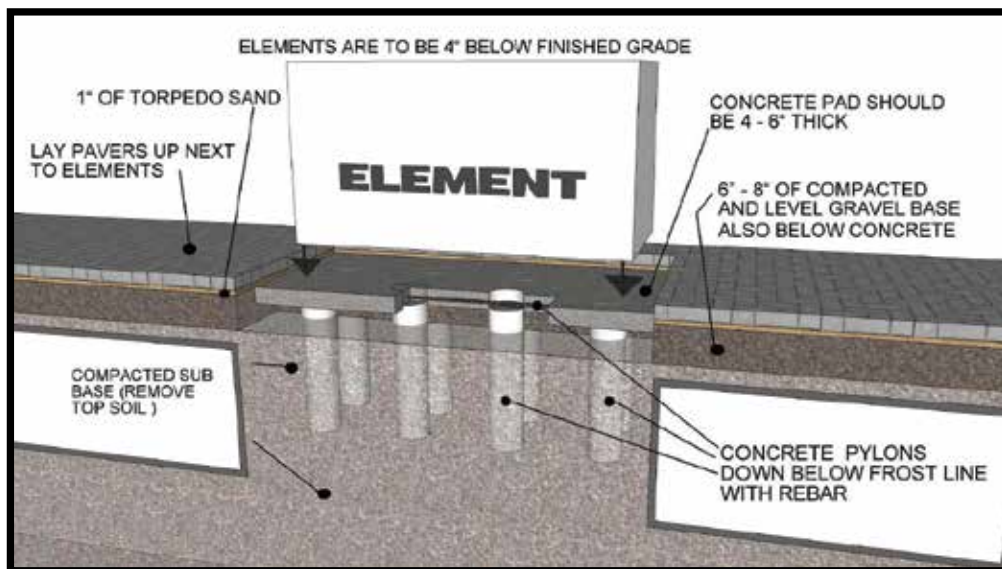
Bordeaux

The newest brick oven model offers a stainless steel dome design with Lamina Stone body & Cordova Stone accents.

Model	Height	Length	Width	Weight	Item Number
750	7.75'	4'	4'	6500	70306097

Elements are very easy to install. Here are a couple cross section details to consider. Keep in mind, these are not engineered plans. Make sure you check with your local municipality for their requirements when installing Elements. Here are a few other key points to remember:

- Always place a piece of material (plywood or carpet work well) between your forks and the Elements to prevent chipping.
- Always transport the Element on the pallet it comes with until you are ready to place on the permanent location.
- Make sure to use a ratchet strap to secure the Element to the loader when transporting and placing.
- Handle Elements with care - they are concrete, but not indestructible.
- Make sure to size the machine to the Elements weight.
- All Elements are designed to be buried 4" below finish grade.



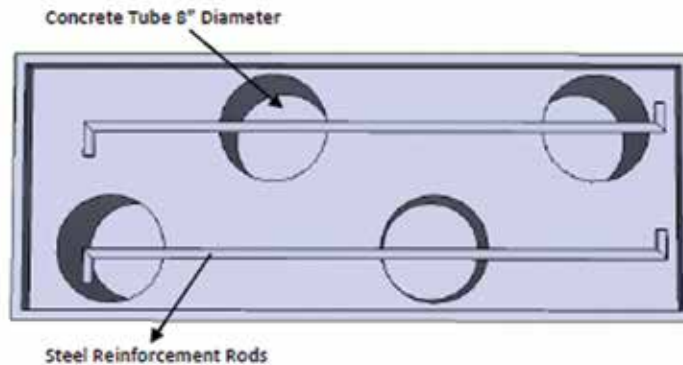
CONCRETE PAD INSTALLATION

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

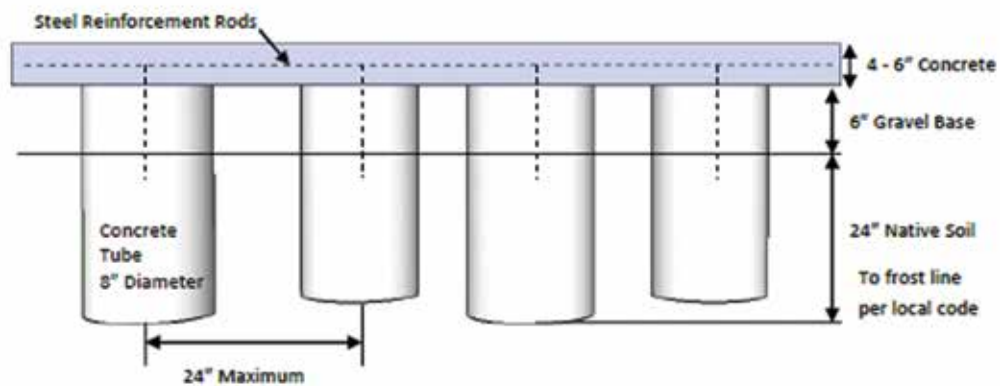
Typical Cross Section for Concrete Pad Installation

*****The following measurements are a suggestion. Always check your local building codes first.***

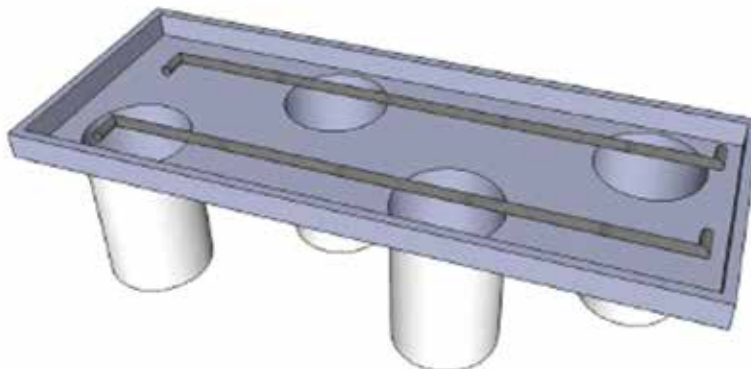
Top View



Side View



3D View





This Element has been manufactured by Belgard Hardscapes, a division of Oldcastle Architectural, Inc. Belgard warrants to the first consumer purchaser (but not to any transferees or subsequent owners) that the Element will be free from defects in workmanship and materials, under normal use, for as long as the Element is owned by such first consumer purchaser, and that the Element, when installed and used in accordance with the written installation manual, shall comply with all applicable federal, state and local laws. If the Element includes a fireplace, it shall comply with UL127 CAN/ULC-S610-M87. Notwithstanding the foregoing, some third party accessories and components such as brick oven domes, fireplace screens, sinks and faucets, stainless kitchen doors, stainless appliances, and countertop material sold with or incorporated into the Element are warranted only for the shorter of the warranty period above or the following specific periods set forth below, and are subject to the limitations described below: Please see specific manufacturer's warranty for more details.

The above warranty periods begin on the date of initial purchase of the Element by the first consumer purchaser. All warranties expire upon any transfer or change of ownership of the Element (or the residence at which it is first installed) to any person other than the first consumer purchaser.

Belgard's sole obligation under this express warranty shall be, at Belgard's option and expense, to replace the Element or part, or to repair the Element or part. Belgard warrants any replaced Element or part for a period of ninety (90) days from shipment, or through the end of the original warranty period, whichever is longer. All Elements or parts that are replaced become the property of Belgard.

Belgard makes no warranty regarding texture, color, color change, efflorescence, fading or other aesthetic characteristics of any Element. Belgard does not guarantee that any replacement components will be an exact match to the color or texture of the original Element.

This limited warranty is void in cases of damage in transit, negligence, abuse, abnormal usage, misuse, accidents, improper maintenance or any unauthorized repair, modification or adjustment of the Element. This limited warranty does not cover labor or other costs or expenses associated with repairs performed by anyone other than Belgard or one of Belgard's authorized agents absent Belgard's prior written consent. Any implied warranties are limited to the duration of this express warranty. Some states do not allow the limitation on implied warranties so the foregoing limitation may not apply to you. In the event that the exclusive remedies provided above fail, Belgard's liability shall be limited to an amount equal to the original purchase price paid by the first consumer purchaser. Under no circumstances shall Belgard be liable for any special, indirect, incidental, consequential, punitive or similar damages, all of which are expressly excluded from this warranty and from any implied warranty arising under state law, including any implied warranty of merchantability and any implied warranty of fitness for a particular purpose, and some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This limited warranty applies to Elements installed in or at personal residences only. No warranty whatsoever, express or implied, is made with respect to commercial applications.







ACCESSORIES

EDGE RESTRAINTS



CASTLEGUARD™ —EDGE RESTRAINTS—

Edge restraints are required in order to prevent paving stones from separating or creeping.

RETAINING WALL PINS



Retaining wall pins serve to connect and accurately position individual wall blocks, ensuring both strength and proper alignment.

GEOGRID



Geogrid increases the wall height that can be constructed. When placed between horizontal layers, the reinforcement grid acts as a “tie back” to resist the outward movement of the retained wall.

TECHNISEAL® PRODUCTS

SEALERS & ADHESIVE

Choose from a complete line of Techniseal® Sealers—the perfect finishing touch for your Belgard® project. Belgard dealers carry a complete line of Techniseal® quality sealers to give your project that final touch to keep your outdoor space looking beautiful season after season for years to come.



POLYMERIC SAND WITH NEXTGEL™

Techniseal® HP NextGel™ Polymeric Sand is a state-of-the-art mix of graded sand (ASTM-C144) and binder that flows smoothly down joints for a fast and effective installation of pavers or slabs with false or wide joints. It is also recommended for surfaces exposed to heavy traffic, and for high-humidity areas. Easy to use, HP Polymeric Sand starts to set only a few minutes after being activated with water, and quickly becomes resistant to water erosion (rain, splashes, sprinklers, etc.). HP Polymeric Sand offers great resistance to weed growth, insect invasion, and erosion.

*For surfaces exposed to normal conditions and for narrow joints, use RG+ Polymeric sand.



ADHESIVES



Quick and easy to apply and are used to secure concrete retaining wall caps.

JOINT SANDS



Sweep-in joint sand is used to bind pavers to help stabilize installations and lock out weeds.

JEWELL an Oldcastle Company

Austin | Dallas/Fort Worth | Houston
Little Rock | New Orleans | Oklahoma City
San Antonio | East & West Texas
844-576-1364 | Belgard.com



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