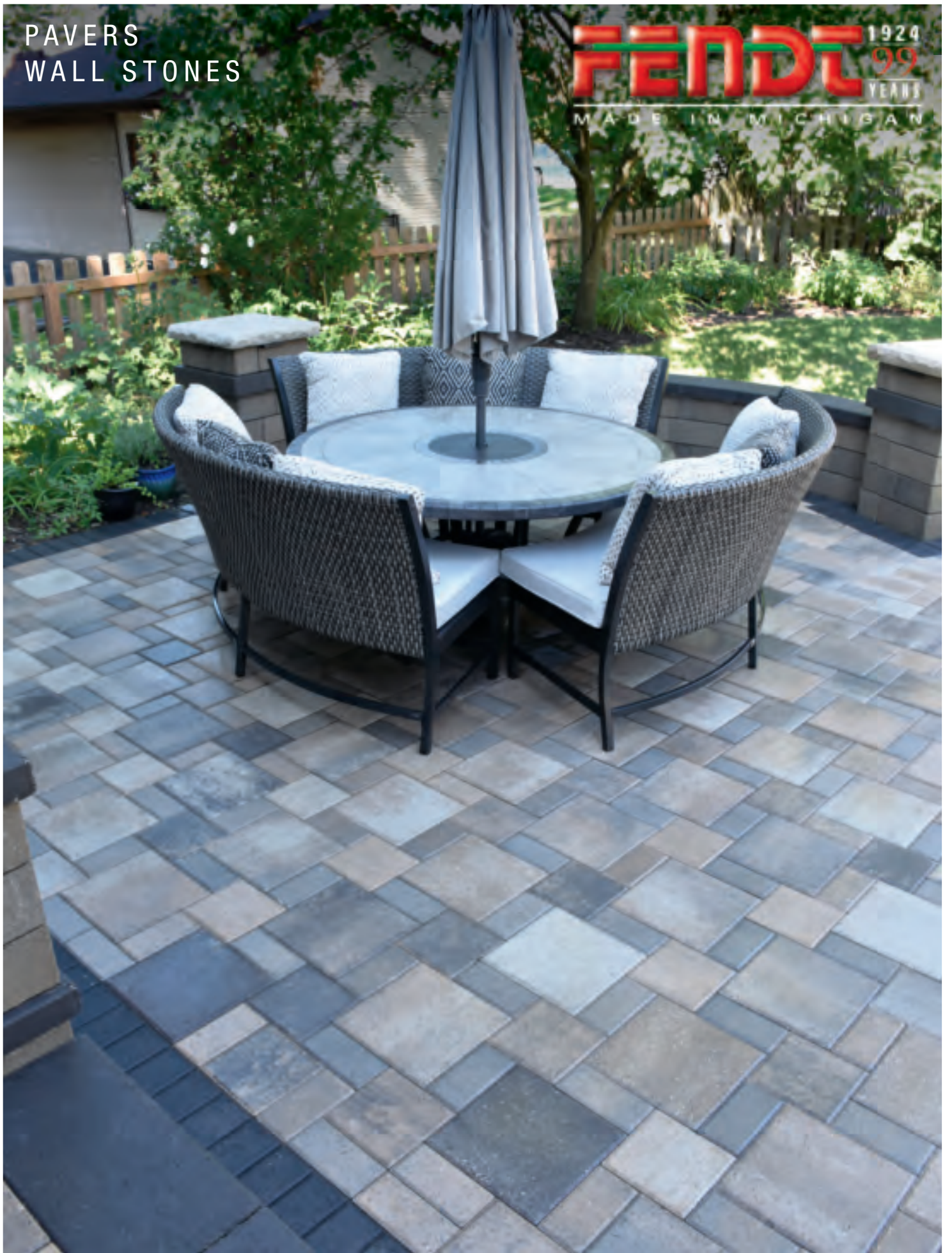


PAVERS  
WALL STONES

**FENDT** 1924  
99  
YEARS  
MADE IN MICHIGAN





› OUR HISTORY

Nothing brings more beauty to your outdoor living than a landscape beautifully adorned with paving brick and stone work. Now celebrating our 99th year in business, we have been providing the products and service that can turn any landscape into an earth-friendly and welcoming environment and can often increase the value of your home. Ever since my grandfather, Leo Fendt, began mining sand and gravel on our present site on Gill Road in Farmington, Michigan, in 1924, we've been creating building blocks for Michigan homes and businesses. But we have not just been passionate about the structural benefits of solid and durable masonry products and construction for thousands of homes, offices, factories and schools across the state. In the early '80s, my father's passion guided us in finding new ways to turn common grounds into beautiful and purposeful outdoor living spaces. Our paving stones and retaining wall blocks have transformed the ordinary backyard into the extraordinary family oasis – a true extension of the home.

› OUR PHILOSOPHY

Michigan was built on good old-fashioned, hard-working, Middle-American, family values. We like to think we're representative of those values. We work hard, like you do, to provide the best for our families. We shop locally, worship locally and we send our kids to the local schools. Because we believe that in order to be good at our business, we also have to be good neighbors. Embedded in the community. Always ready to lend a hand. We're good listeners too. Charitable. Honest. Trustworthy. In fact, it's truly been my pleasure, over the years, to be able to personally meet and discuss building and landscaping plans with customers like you at our local stores. It's nice to know so many still appreciate quality products and service for a fair price. Funny, that's been the cornerstone of our business since its inception. My grandfather, my father and I have all believed in the power of listening to our customers and letting their input help shape how we innovate and how we conduct business.

› SPECIAL THANKS TO YOU...OUR CUSTOMERS

As we approach our company's centennial in business, our families would like to thank yours for the continued support and patronage throughout the years. We're so humbled to have been able to provide service for so many great customers and we look forward to working with families like yours in the near future.

Sincerely,

Alan Fendt  
Alan Fendt  
President



# CONTENTS

## IDEA GALLERY . . . . . 4-12

### PAVERS

#### Tumbled Pavers

Old World Holland 4x8 . . . . .	14-15
Old World Vintage . . . . .	16-19
Old World Vintage Patterns . . . . .	20-21

#### Contemporary Pavers

Harbor Stone . . . . .	22-24
Harbor Stone & Bay Stone Patterns . . . . .	25
Bay Stone . . . . .	26-29
Vintage Series . . . . .	30-33
Holland 4x8 . . . . .	34-37
Holland Series . . . . .	38-45

#### Special Order Pavers

Symetry . . . . .	46-48
Symetry Patterns . . . . .	49

#### Inventoried Paver Colors

Standard Color Chart . . . . .	50
Spectrum & Elite Color Chart . . . . .	51
Old World Color Chart . . . . .	52
Accent Pavers Color Chart . . . . .	53

#### Special Order Colors

Custom Color Projects . . . . .	54-55
---------------------------------	-------

Installation Instructions . . . . .	56
-------------------------------------	----

Inventoried Paver Colors/Shapes . . . . .	57
---	----

## ENVIRONMENTAL

Permeable Pavers . . . . .	59-62
Geolink Erosion Control . . . . .	63
Monoslab® Grass Paver . . . . .	64-65

## WALL STONES

Garden Wall . . . . .	67
Glenstone . . . . .	68
Old World Glenstone . . . . .	69
Glenstone Bullnose . . . . .	70
Old World Glenstone Bullnose . . . . .	71
Verazzo Stone . . . . .	72-75
Stonegate . . . . .	76-79
Old World Stonegate . . . . .	80-81
Stonegate Caps & Steps . . . . .	82
Stonegate Piers . . . . .	83
Stonegate Design Details . . . . .	84-85
Keystone Compacs . . . . .	86
Compac Straight Split . . . . .	87-90
Compac Hewnstone . . . . .	91-92
Compac Contemporary . . . . .	93
Compac Sculptured Split . . . . .	94
Keystone Standards . . . . .	95
Fire Pit Block . . . . .	96-97
Coping Stone . . . . .	98
Wall Caps & Stair Treads . . . . .	99
Inventoried Wall Colors/Shapes . . . . .	100
Wall Color Charts . . . . .	101
Installation Instructions . . . . .	102-104
Design Details & Geogrid Locations . . . . .	105-107
Product Reference Guide . . . . .	108-109



Fendt is a proud member of both the Interlocking Concrete Pavement Institute (ICPI) and the National Concrete Masonry Association (NCMA). These organizations are recognized as the leading national associations for the advancement of properly designed and installed concrete paving stones and segmental retaining walls, respectively. We recommend that installations of our quality products follow the accepted installation standards of the ICPI and NCMA.



## ➤ WARRANTY

Fendt Builder's Supply, Inc., guarantees the structural integrity of our paver and retaining wall products to the original purchaser for residential applications. Should any product prove defective by not meeting existing ASTM specifications and standards, it will be replaced without cost. Replacement labor and shipping costs are not included in this guarantee. Color matching of any replacement units cannot be guaranteed. Proof of original purchase is required.

### GUIDELINES FOR NON-WARRANTIED TOPICS

#### COLORS

The colors of products shown in this catalog are to be used as representations or guidelines only. The photography and printing processes are not fully capable of reproducing exact color of all products. Colors may also change from production run to production run. Not all colors are available in all shapes – check with the sales department for availability. Fendt Builder's Supply, Inc., may change, amend, add or discontinue any product, shape, style or color at its sole discretion with no prior notification. To assure random color distribution, it is recommended that individual blocks and/or pavers be mixed from different pallets on the job site.

#### CLEANING AND MAINTENANCE

Efflorescence, a white deposit common on concrete and masonry surfaces, is a natural occurrence and no warranty or liability is either expressed or implied for this condition. Cleaners are available for the removal of efflorescence. Residues left on pavers and wall stones from saw-cutting of units or from improper installation of polymeric sands are not the responsibility of Fendt. Cleaners are available for these situations. The face of retaining walls can be stained due to mineral and soil-laden moisture in the backfill area. Cleaners and sealers are available for routine maintenance.

#### SNOW REMOVAL AND SALTING

Snow can be shoveled or plowed from pavers as readily as other pavements. High-strength, low-absorption Fendt pavers are more resistant to de-icing salts than ordinary concretes, but they can still be damaged by intense application. Magnesium chloride is less damaging to concrete surfaces than other rock salt (sodium chloride) or calcium chloride.

# IDEA GALLERY – WALKWAYS

PAVERS: HOLLAND 4x8 – STERLING SMOKE  
ACCENT PAVERS: HOLLAND 4x8 – SLATE



# IDEA GALLERY – DRIVEWAYS

> PAVERS: BAY STONE – MACKINAC  
ACCENT PAVERS: HOLLAND 4x8 – SUMMER WHEAT & SLATE



# IDEA GALLERY – PATIOS

PAVERS: HOLLAND SERIES – POLAR ASH  
BORDER PAVERS: HOLLAND 4x8 – JET BLACK  
WALL STONES: STONEGATE – LIMESTONE BLEND  
WALL CAPS: 3x24 SMOOTH CAP – SLATE



# IDEA GALLERY – POOLS

PAVERS: HOLLAND SERIES – DUNEWOOD  
ACCENT PAVERS: HOLLAND 4x8 – COFFEE



# IDEA GALLERY – OUTDOOR KITCHENS

› PAVERS: HOLLAND 4x8 – POLAR ASH  
ACCENT PAVERS: HOLLAND 4x8 – SLATE  
WALL STONES: STONEGATE – LIMESTONE BLEND  
ACCENT WALL BAND: STONEGATE – SLATE





# IDEA GALLERY – FIRE PITS

> FIRE PIT: FIRE PIT BLOCK – SLATE  
FIRE PIT CAP: PRECAST UNIT  
SEAT WALL: STONEGATE – SLATE  
SEAT WALL CAPS: PRECAST UNIT  
WALLS: STONEGATE – SLATE  
WALL CAPS: 3x24 SMOOTH CAP – LIMESTONE BLEND



# IDEA GALLERY – PRIVACY WALLS

WALLS: OLD WORLD STONEGATE – LIMESTONE BLEND  
ACCENT WALL COURSE: OLD WORLD STONEGATE – SLATE  
CAP: 3x24 SMOOTH CAP – LIMESTONE BLEND



# IDEA GALLERY – RETAINING WALLS

WALLS: STONEGATE – SLATE  
WALL CAPS & STEPS: 3x24 SMOOTH CAP – LIMESTONE BLEND



# IDEA GALLERY – OUTDOOR FIREPLACES

› PAVERS: HOLLAND SERIES – WALNUT BLEND  
WALLS STONES: VERAZZO – WALNUT BLEND & SLATE  
CAPS: UNIVERSAL CAP – SLATE  
CHIMNEY STONES: GLENSTONE – SLATE



# PAVING STONES

PAVERS: OLD WORLD VINTAGE – POLAR ASH  
ACCENT PAVERS: OLD WORLD VINTAGE XLR – JET BLACK  
STEP COPING: OLD WORLD GLENSTONE BULLNOSE – LIMESTONE BLEND

## CONTENTS

Old World Holland 4x8 . . . . .	14-15
Old World Vintage . . . . .	16-19
Old World Vintage Patterns . . . . .	20-21
Harbor Stone . . . . .	22-24
Harbor Stone & Bay Stone Patterns . . . . .	25
Bay Stone . . . . .	26-29
Vintage Series . . . . .	30-33
Holland 4x8 . . . . .	34-37
Holland Series . . . . .	38-45
Symetry . . . . .	46-48
Symetry Patterns . . . . .	49
Standard Color Chart . . . . .	50
Spectrum & Elite Color Chart . . . . .	51
Old World Color Chart . . . . .	52
Accent Pavers Color Chart . . . . .	53
Custom Color Projects . . . . .	54-55
Installation Instructions . . . . .	56
Inventoried Paver Colors/Shapes . . . . .	57



When it comes to choosing a pavement surface that combines beauty, strength, color, texture and durability, it's hard to look any further than interlocking concrete paving stones, or pavers, for the perfect answer for your driveway, walk or patio.

The wide range of styles and shapes gives the design flexibility to create the most imaginative layouts and patterns. The vast choices of vibrant colors open the possibilities to match virtually any color scheme that you can dream of. And the strength and durability of pavers will pass the most stringent engineering tests that concrete can be put through.

For many years, Fendt has been known as a premier and quality paver manufacturer with some of the richest and most varied colors available to the homeowner and designer alike. As you page through this catalog and begin to dream of your new or refurbished patio, pool deck or driveway, let your imagination dream what can be possible. Fendt — Dream in Color.

# OLD WORLD HOLLAND 4x8



## OLD WORLD HOLLAND 4x8

Units per sq. ft.: 4.5  
Sq. ft. per cube: 108  
Weight per sq. ft.: 28 lbs.  
Weight per cube: 3,024 lbs.

Sq. ft. per strap: 18  
Soldier Coursing:  
Per Strap – 27 lineal feet  
Per Cube – 162 lineal feet

➤ RIGHT:  
PAVERS: OLD WORLD HOLLAND 4x8 – RUSTIC BLEND  
BORDER PAVERS: OLD WORLD VINTAGE XLR – SUMMER WHEAT

➤ BELOW:  
PAVERS: OLD WORLD HOLLAND 4x8 – BURGUNDY BLEND  
(SPECIAL ORDER COLOR)  
BORDERS: HOLLAND 4x8 – SLATE  
OLD WORLD VINTAGE – LIMESTONE BLEND



# OLD WORLD HOLLAND 4x8

PAVERS: OLD WORLD HOLLAND 4x8 – BURGUNDY BLEND  
(SPECIAL ORDER COLOR)  
BORDERS: HOLLAND 4x8 – SLATE  
OLD WORLD VINTAGE – LIMESTONE BLEND



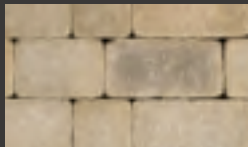
O.W. RUSTIC BLEND



O.W. ANTIQUE BLEND



O.W. WALNUT BLEND



O.W. LIMESTONE BLEND



O.W. SLATE

# OLD WORLD VINTAGE

PAVERS: OLD WORLD VINTAGE – LIMESTONE BLEND  
BORDER PAVERS: OLD WORLD VINTAGE XLR – JET BLACK





# OLD WORLD VINTAGE

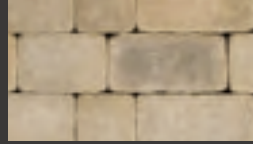
PAVERS: OLD WORLD VINTAGE – POLAR ASH  
ACCENT PAVERS: OLD WORLD VINTAGE XLR – JET BLACK



## STANDARD COLORS



O.W. WALNUT BLEND



O.W. LIMESTONE BLEND

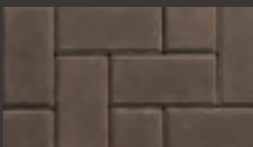
## ELITE COLORS



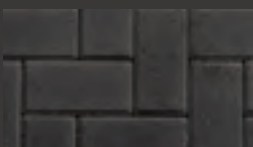
O.W. POLAR ASH



O.W. SUMMER WHEAT  
Stocked in Extra Large  
Rectangle (XLR) only



O.W. COFFEE  
Stocked in Extra Large  
Rectangle (XLR) only



O.W. JET BLACK  
Stocked in Extra Large  
Rectangle (XLR) only

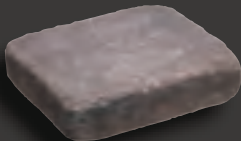
# OLD WORLD VINTAGE

PAVERS: OLD WORLD VINTAGE – LIMESTONE BLEND  
ACCENT PAVERS: HOLLAND 4x8 – SLATE  
WALLS: OLD WORLD STONEGATE – LIMESTONE BLEND  
CAPS: 3x24 SMOOTH CAP – SLATE

Large Square



Double Large Rectangle



XL Rectangle



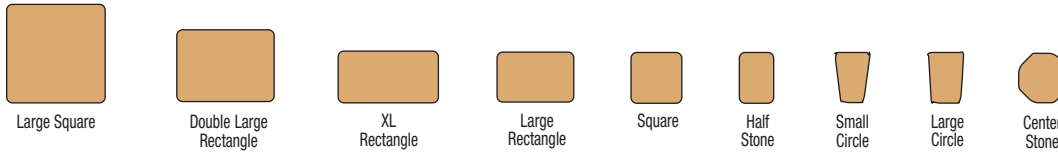
Large Rectangle



Square



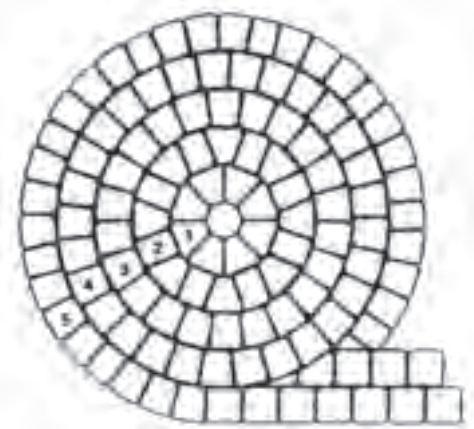
# OLD WORLD VINTAGE SERIES



LARGE SQUARE CUBE		UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PER LAYER	UNITS PER CUBE	SQ. FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT. (LBS.)		
	Large Square 9-1/2" x 9-1/2" x 2-3/8"	1.65	20	12.1	160	97	19.4	28		
DOUBLE LARGE RECTANGLE CUBE		UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PER LAYER	UNITS PER CUBE	SQ. FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT. (LBS.)		
	Double Large Rectangle 7-1/8" x 9-1/2" x 2-3/8"	2.2	25	11.36	200	91	18.2	28		
XL RECTANGLE CUBE		UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PER LAYER	UNITS PER CUBE	SQ. FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT.	SOLDIER COURSING LINEAL FOOTAGE	
	Extra Large Rectangle 9-1/2" x 4-3/4" x 2-3/8"	3.1	35	11.2	280	90	17.92	28	CUBE	STRAP
									111	22.2
LARGE RECTANGLE CUBE		UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PER LAYER	UNITS PER CUBE	SQ. FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT.	SOLDIER COURSING LINEAL FOOTAGE	
	Large Rectangle 7-1/8" x 4-3/4" x 2-3/8"	4.2	42	10.0	336	80	13.33	28	CUBE	STRAP
									133	22.2
SQUARE CUBE		UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PER LAYER	UNITS PER CUBE	SQ. FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT. (LBS.)		
	Square 4-3/4" x 4-3/4" x 2-3/8"	6.3	63	10.0	504	80	8.89	28		
CIRCLE BOX (1 CIRCLE PER BOX)		UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PER LAYER	UNITS PER BOX	SQ. FT. PER BOX	SQ. FT. PER STRAP	WEIGHT PER SQ. FT. (LBS.)		
	Square 4-3/4" x 4-3/4" x 2-3/8"	6.3			56	8.85		28		
	Large Circle 4-11/16" x 4-5/16" x 2-3/8"	8.3			120	14.45		28		
	Small Circle 4-11/16" x 4-5/16" x 2-3/8"	8.7			16	1.8		28		
	Half Stone 4-3/4" x 3-5/8" x 2-3/8"	8.4			84	10		28		
	Center Stone 4-3/4" x 3-5/8" x 2-3/8"	9.0			4	0.4		28		
<b>Totals for Cube</b>					280	35.5		1,988		

## LAYING A CIRCLE

ROW NUMBER	SMALL CIRCLE	LARGE CIRCLE	HALF STONE	SQUARE STONE	DIAMETER (INCHES)	SEQUENCE
1	8	—	—	—	14-1/8	Next to each other
2	8	—	8	—	23-1/2	SC, HS, SC, HS, etc.
3	—	24	—	—	33	Next to each other
4	—	24	7	1	42-1/2	LC, LC, LC, HS, LC, LC, LC, HS, etc., plus a square at random
5	—	24	16	—	52	HS, LC, HS, LC, LC, HS, LC, HS, LC, LC, etc.
6	—	24	24	—	61-1/2	LC, HS, LC, HS, etc.
7	—	22	23	9	71	LC, HS, LC, HS, Square, LC, HS, LC, HS, Square, etc.



Note: The extra Square Stones left from the Circle Cube can be used to enlarge the circle and to complete your project by themselves or with the stones from the Square/Small Rectangle (SSR) Cube and Large Rectangle (LR) Cube.

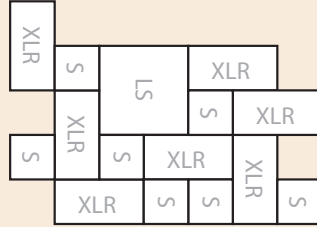
# OLD WORLD VINTAGE PATTERNS

LEGEND: S (Square) LR (Large Rectangle) LS (Large Square) DLR (Double Large Rectangle)

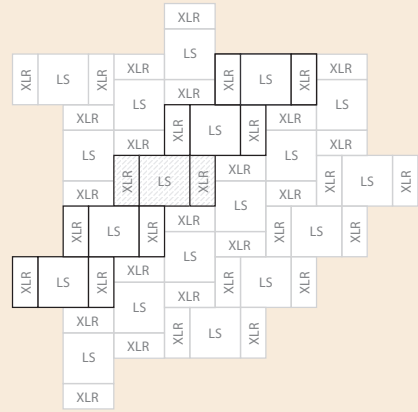
XLR (Extra Large Rectangle)



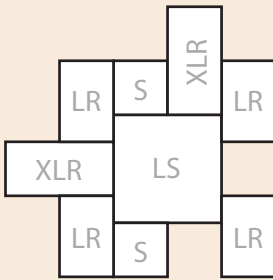
**PATTERN 1**  
 2 DLR .....34%  
 1 LS.....22%  
 2.83 square feet  
 4 XLR .....44%



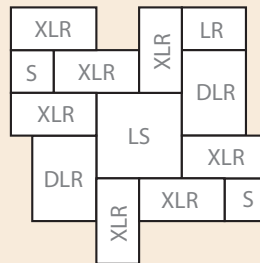
**PATTERN 5**  
 7 S .....28%  
 7 XLR .....56%  
 3.91 square feet  
 1 LS.....16%



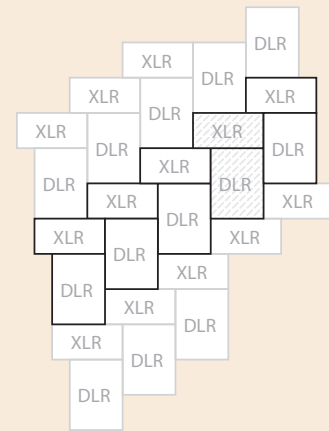
**PATTERN 9**  
 2 XLR .....50%  
 1 LS.....50%  
 1.25 square feet



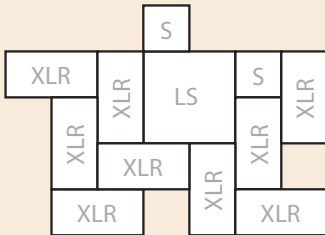
**PATTERN 2**  
 2 S .....12%  
 4 LR .....38%  
 2.52 square feet  
 2 XLR .....25%  
 1 LS.....25%



**PATTERN 6**  
 2 S .....7%  
 1 LR .....6%  
 4.32 square feet  
 7 XLR .....51%  
 2 DLR .....22%  
 1 LS.....14%



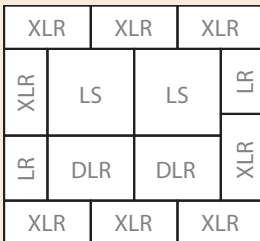
**PATTERN 10**  
 1 XLR .....40%  
 1 DLR .....60%  
 .79 square feet



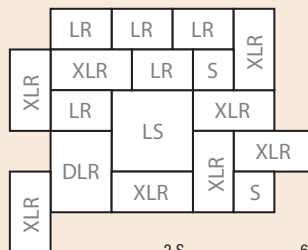
**PATTERN 3**  
 9 XLR .....75%  
 1 LS.....17%  
 3.75 square feet  
 2 S .....8%



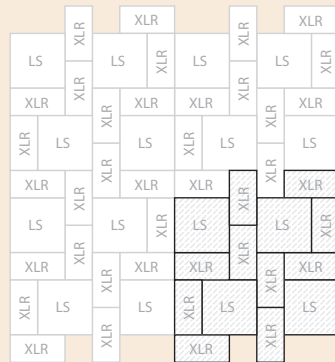
**PATTERN 7**  
 4 S .....14%  
 4 LR .....22%  
 4.41 square feet  
 2 XLR .....14%  
 2 DLR .....22%  
 2 LS.....28%



**PATTERN 4**  
 2 LR .....9%  
 8 XLR .....48%  
 5.18 square feet  
 2 DLR .....19%  
 2 LS.....24%

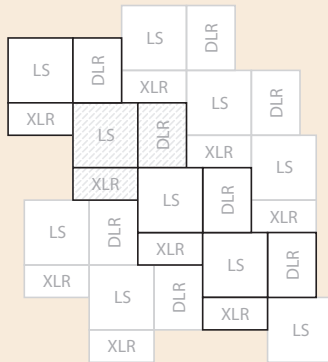


**PATTERN 8**  
 2 S .....6%  
 5 LR .....24%  
 5.10 square feet  
 8 XLR .....49%  
 1 DLR .....9%  
 1 LS.....12%



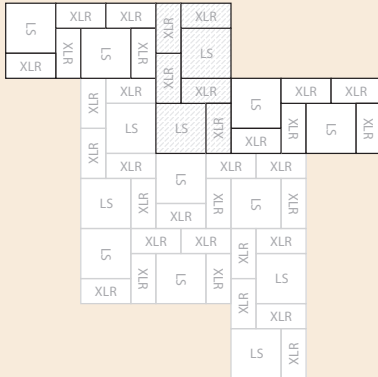
**PATTERN 11**  
 10 XLR .....56%  
 4 LS.....44%  
 5.62 square feet

# OLD WORLD VINTAGE PATTERNS



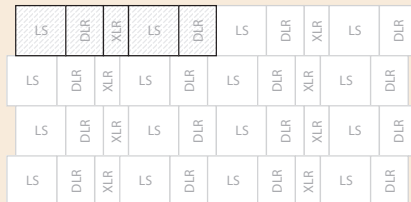
**PATTERN 12**  
1.41 square feet

1 XLR.....	22%
1 DLR.....	34%
1 LS.....	44%



**PATTERN 13**  
2.81 square feet

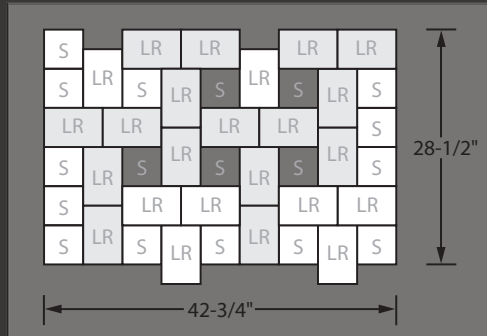
5 XLR.....	56%
2 LS.....	44%



**PATTERN 14**  
2.51 square feet

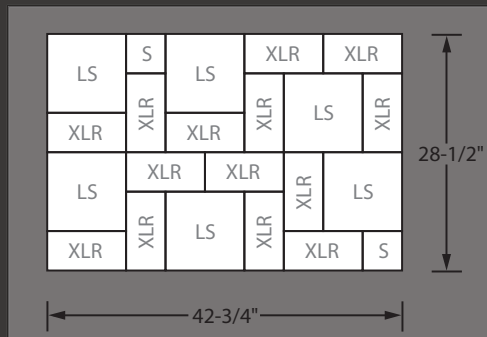
2 LS.....	50%
2 DLR.....	38%
1 XLR.....	12%

## SIDEWALK PATTERNS



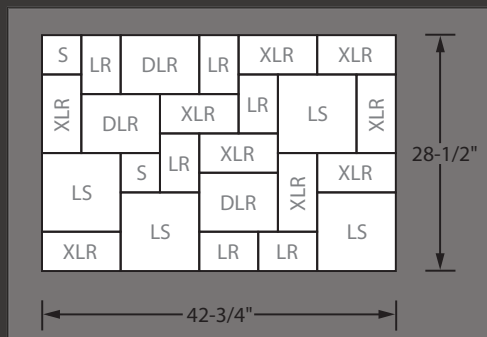
**SIDEWALK PATTERN 1**  
8.48 square feet

18 S.....	33%
24 LR.....	67%



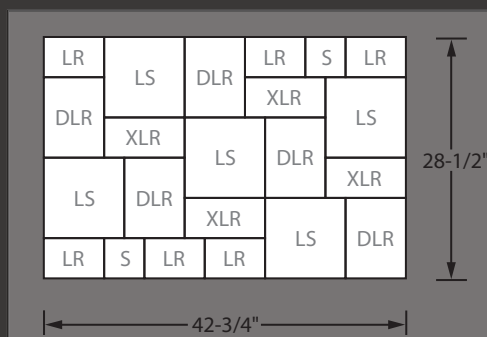
**SIDEWALK PATTERN 2**  
8.48 square feet

2 S.....	4%
14 XLR.....	53%
6 LS.....	43%



**SIDEWALK PATTERN 3**  
8.48 square feet

2 S.....	4%
6 LR.....	17%
9 XLR.....	33%
3 DLR.....	17%
4 LS.....	29%



**SIDEWALK PATTERN 4**  
8.48 square feet

2 S.....	3%
6 LR.....	17%
4 XLR.....	15%
5 DLR.....	28%
5 LS.....	37%

	SQ. FT. PER CUBE	UNITS PER SQ. FT.	UNITS PER CUBE	SQ. FT. PER STRAP
Square (O.W. only)	80	6.3	198	8.89
Square/Small Rectangle	80		576	8.89
Large Rectangle	80	4.2	336	13.33
Extra Large Rectangle	90	3.1	280	17.92
Double Large Rectangle	91	2.2	200	18.2
Large Square	97	1.6	160	19.4

# HARBOR STONE

PAVERS: HARBOR STONE – IRONWOOD BLEND  
BORDER PAVERS: OLD WORLD VINTAGE XLR – TITANIUM  
BAY STONE XLR – JET BLACK



# HARBOR STONE

PAVERS: HARBOR STONE – STERLING SMOKE  
ACCENT PAVERS: HOLLAND 4x8 – SLATE  
WALLS: OLD WORLD STONEGATE – LIMESTONE BLEND  
CAPS: 3x24 SMOOTH CAP – SLATE  
(Installed utilizing Pattern 4)



# HARBOR STONE

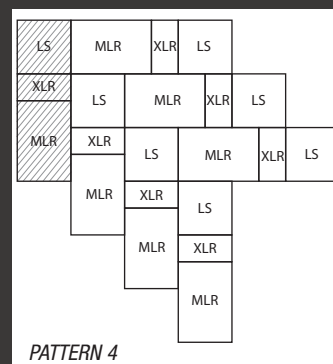
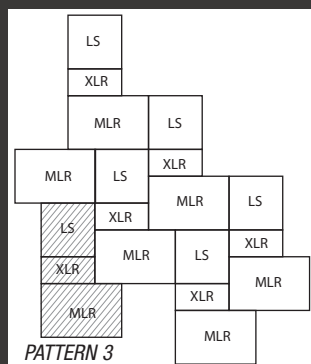
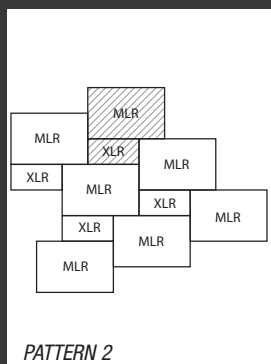
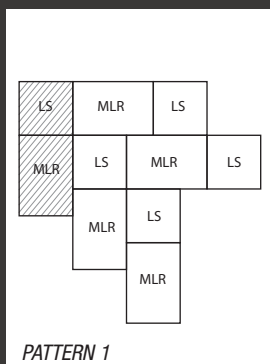
> PAVERS: HARBOR STONE – WALNUT BLEND  
PAVER BORDER: HOLLAND 4x8 – JET BLACK  
(Installed utilizing Pattern 2)





# HARBOR STONE & BAY STONE PATTERNS

> PAVERS: HARBOR STONE – STERLING SMOKE  
 ACCENT PAVERS: HOLLAND 4x8 – SLATE  
 WALL STONES: OLD WORLD STONEGATE – LIMESTONE BLEND  
 CAPS: 3x24 SMOOTH CAP – SLATE  
 (Installed utilizing Pattern 4)






LS – 40%  
MLR – 60%

XLR – 25%  
MLR – 75%

XLR – 17%  
LS – 33%  
MLR – 50%

XLR – 17%  
LS – 33%  
MLR – 50%

		UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PER LAYER	UNITS PER CUBE	SQ. FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT.	SOLDIER COURSING LINEAL FOOTAGE	
	<i>Mega Large Rectangle</i> 9-1/2" x 14-1/4" x 2-3/8"	1.06	12	11.25	96	90	30	28		
	<i>Large Square</i> 9-1/2" x 9-1/2" x 2-3/8"	1.65	20	12.1	160	97	19.4	28		
	<i>Extra Large Rectangle</i> 9-1/2" x 4-3/4" x 2-3/8"	3.1	35	11.2	280	90	17.92	28	CUBE	STRAP
									111	22.2

## HARBOR STONE COLORS

### STANDARD COLORS

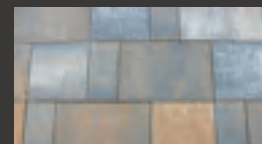


WALNUT BLEND

### ELITE COLORS



STERLING SMOKE



IRONWOOD

# BAY STONE

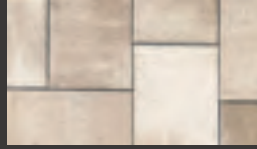
▶ PAVERS: BAY STONE (MLR) – AU GRES  
ACCENT PAVERS: HOLLAND 4x8 WHITESTONE & JET BLACK  
FIRE PIT: STONEGATE – SLATE  
CAP ON FIRE PIT: 3x24 SMOOTH CAP – SLATE  
WALL STONES: STONEGATE – GRAPHITE  
CAP: 3x24 SMOOTH CAP – WHITESTONE



# BAY STONE

PAVERS: BAY STONE – MACKINAC  
ACCENT PAVERS: HOLLAND 4x8 – SUMMER WHEAT & SLATE

## SPECTRUM ELITE COLORS



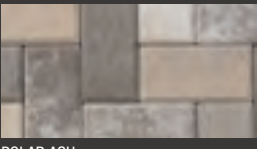
BIRCHWOOD



MACKINAC



AU GRES



POLAR ASH



JET BLACK  
Stocked in Extra  
Large Rectangle (XLR) only



# BAY STONE

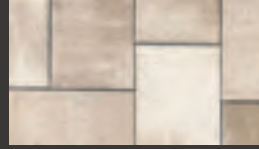
› PAVERS: BAY STONE – MACKINAC  
FIRE PIT: STONEGATE – Mixture of WALNUT BLEND & CAMEL (SPECIAL ORDER)  
FIRE PIT CAP: 3x24 SMOOTH CAP – WALNUT BLEND



# BAY STONE

PAVERS: BAY STONE – AU GRES  
ACCENT PAVERS: BAY STONE XLR – JET BLACK  
(Installed utilizing Pattern 2)

## SPECTRUM ELITE COLORS



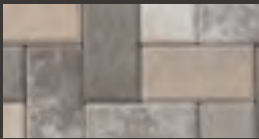
BIRCHWOOD



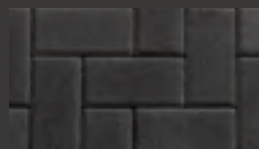
MACKINAC



AU GRES



POLAR ASH



JET BLACK  
Stocked in Extra  
Large Rectangle (XLR) only





# VINTAGE

PAVERS: VINTAGE – SANDSTONE BLEND



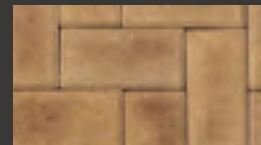
## STANDARD COLORS



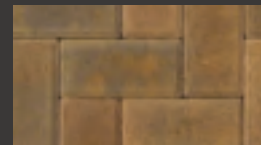
RUSTIC BLEND



ANTIQUE BLEND



SANDSTONE BLEND



WALNUT BLEND



SLATE  
Stocked in Large  
Rectangle (LR) only

# VINTAGE

PAVERS: VINTAGE – RUSTIC BLEND  
ACCENT PAVERS: HOLLAND 4x8 – JET BLACK





# VINTAGE SERIES



Large Rectangle



Square



Small Rectangle



Half Stone



Small Circle










Large Circle



Center Stone

LARGE RECTANGLE CUBE		UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PER LAYER	UNITS PER CUBE	SQ. FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT.	SOLDIER COURSING LINEAL FOOTAGE	
								CUBE		STRAP
	Large Rectangle 7-1/8" x 4-3/4" x 2-3/8"	4.2	42	10.0	336	80	13.33	28	133	22.2

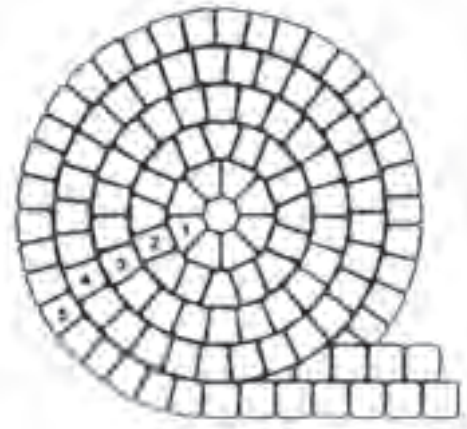
SQUARE & SMALL RECTANGLE CUBE		UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PER LAYER	UNITS PER CUBE	SQ. FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT. (LBS.)
<i>(Sold in ratio of 3 squares to 1 small rectangle only)</i>								
	Square 4-3/4" x 4-3/4" x 2-3/8"	6.3	54	8.5	432	68.6	8.89	28
	Small Rectangle 4-3/4" x 2-7/16" x 2-3/8"	12.6	18	1.4	144	11.4		28
Totals for Cube			72		576	80		2,440

CIRCLE CUBE		UNITS PER SQ. FT.	UNITS PER LAYER	SQ. FT. PER LAYER	UNITS PER CUBE	SQ. FT. PER CUBE	SQ. FT. PER STRAP	WEIGHT PER SQ. FT. (LBS.)
<i>(1 circle per cube)</i>								
	Square 4-3/4" x 4-3/4" x 2-3/8"	6.3	14	2.2	56	8.85		28
	Large Circle 4-11/16" x 4-5/16" x 2-3/8"	8.3	30	3.6	120	14.45		28
	Small Circle 4-11/16" x 4-5/16" x 2-3/8"	8.7	4	0.5	16	1.8		28
	Half Stone 4-3/4" x 3-5/8" x 2-3/8"	8.4	21	2.5	84	10		28
	Center Stone 4-3/4" x 3-5/8" x 2-3/8"	9.0	1	0.1	4	0.4		28
Totals for Cube					280	35.5		994

## LAYING A CIRCLE

ROW NUMBER	SMALL CIRCLE	LARGE CIRCLE	HALF STONE	SQUARE STONE	DIAMETER (INCHES)	SEQUENCE
1	8	—	—	—	14-1/8	Next to each other
2	8	—	8	—	23-1/2	SC, HS, SC, HS, etc.
3	—	24	—	—	33	Next to each other
4	—	24	7	1	42-1/2	LC, LC, LC, HS, LC, LC, LC, HS, etc., plus a square at random
5	—	24	16	—	52	HS, LC, HS, LC, LC, HS, LC, HS, LC, LC, etc.
6	—	24	24	—	61-1/2	LC, HS, LC, HS, etc.
7	—	22	23	9	71	LC, HS, LC, HS, Square, LC, HS, LC, HS, Square, etc.

Note: The extra Square Stones left from the Circle Cube can be used to enlarge the circle and to complete your project by themselves or with the stones from the Square/Small Rectangle (SSR) Cube and Large Rectangle (LR) Cube.



# HOLLAND 4x8

> PAVERS: HOLLAND 4x8 – SEASHELL BLEND



# HOLLAND 4x8

PAVERS: HOLLAND 4x8 – POLAR ASH  
ACCENT PAVERS: HOLLAND 4x8 – SLATE  
WALLS: STONEGATE – LIMESTONE BLEND  
WALL ACCENT COURSE: STONEGATE – SLATE  
CAPS: 3x24 SMOOTH CAP – LIMESTONE BLEND



# HOLLAND 4x8

PAVERS: HOLLAND 4x8 – JET BLACK & WHITESTONE  
ACCENT PAVERS: HOLLAND 4x8 – JET BLACK  
PIERS: GLENSTONE – LIMESTONE BLEND  
FIRE PIT: COMPAC CONTEMPORARY – LIMESTONE BLEND  
CAPS: 3x24 SMOOTH CAP – SLATE



# HOLLAND 4x8

> PAVERS: HOLLAND 4x8 – STERLING SMOKE  
 ACCENT PAVERS: HOLLAND 4x8 – SLATE  
 STEP RISERS: GLENSTONE – STERLING SMOKE  
 STEP CAPS: 3x24 SMOOTH CAP – LIMESTONE BLEND



## STANDARD COLORS



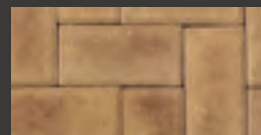
ANTIQUE BLEND



RUSTIC BLEND



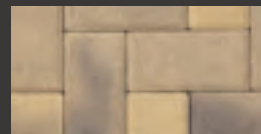
SLATE



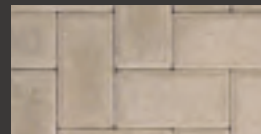
SANDSTONE BLEND



WALNUT BLEND



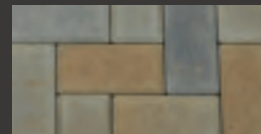
LIMESTONE BLEND



PEWTER



MOSSY OAK BLEND

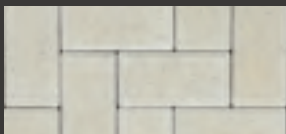


LAKESHORE BLEND

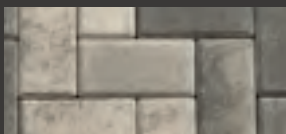
## ELITE COLORS



IRONWOOD



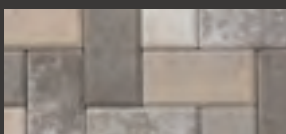
WHITESTONE



STERLING SMOKE

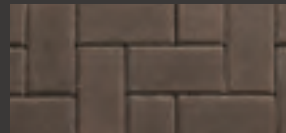


SEASHELL BLEND



POLAR ASH

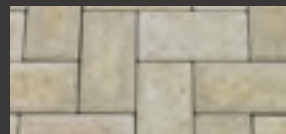
## ELITE COLORS



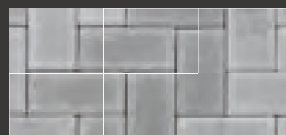
COFFEE



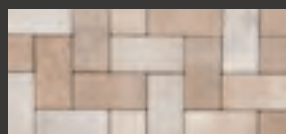
JET BLACK



SUMMER WHEAT



ALABASTER



DUNEWOOD

## SPECTRUM COLORS



BURGUNDY

# HOLLAND SERIES

› PAVERS: HOLLAND SERIES – WALNUT BLEND  
ACCENT PAVERS: HOLLAND 4x8 – WALNUT BLEND  
BORDER PAVERS: OLD WORLD VINTAGE XLR – SUEDE (SPECIAL ORDER)



# HOLLAND SERIES

PAVERS: HOLLAND SERIES – POLAR ASH  
ACCENT PAVERS: HOLLAND 4x8 – JET BLACK  
WALL STONES: STONEGATE – LIMESTONE BLEND  
CAPS: 3x24 SMOOTH CAP – SLATE



# HOLLAND SERIES

PAVERS: HOLLAND SERIES – LIMESTONE BLEND  
ACCENT PAVERS: HOLLAND 4x8 – JET BLACK  
WALL STONES: STONEGATE – LIMESTONE BLEND  
WALL ACCENT COURSE: OLD WORLD VINTAGE XLR – JET BLACK  
STEP COPING: 3x24 SMOOTH CAP – SLATE





# HOLLAND SERIES

PAVERS: HOLLAND SERIES – DUNEWOOD BLEND  
BORDER PAVERS: HOLLAND 4x8 – COFFEE



# HOLLAND SERIES

> PAVERS: HOLLAND SERIES – DUNEWOOD  
ACCENT PAVERS: HOLLAND 4x8 – COFFEE  
STEP CAPS: 3x24 SMOOTH CAP – CHESTNUT



# HOLLAND SERIES

PAVERS: HOLLAND SERIES (12x12 & 8x8 ONLY) – STERLING SMOKE  
BORDER PAVERS: HOLLAND 4x8 – SLATE



# HOLLAND SERIES

> PAVERS: HOLLAND SERIES – LAKESHORE BLEND  
 ACCENT PAVERS: HOLLAND 4x8 – SLATE  
 WALL STONES: STONEGATE – LIMESTONE BLEND  
 WALL ACCENT COURSE: STONEGATE – SLATE  
 CAPS & STEPS: 3x24 SMOOTH CAP – SLATE

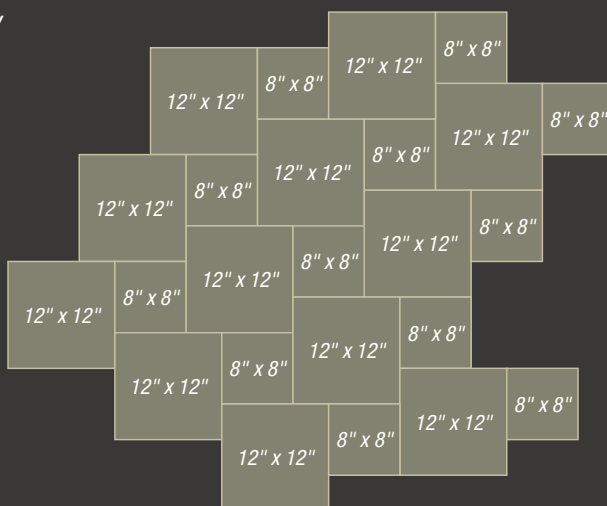


*HOLLAND SERIES PATTERN – 12x12 and 8x8 only*

Approximate % of total area

12x12 – 69%

8x8 – 31%

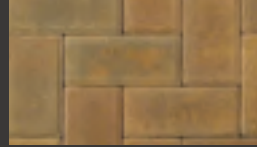


# HOLLAND SERIES

PAVERS: HOLLAND SERIES – STERLING SMOKE  
 ACCENT PAVERS: HOLLAND 4x8 – JET BLACK  
 STEP CAPS: 3x24 SMOOTH CAP – SLATE



## STANDARD COLORS



WALNUT BLEND

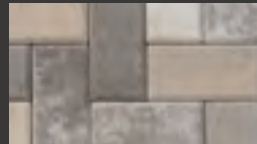


LIMESTONE BLEND



LAKESHORE BLEND

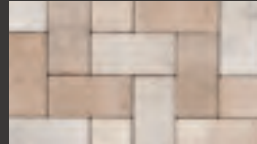
## ELITE COLORS



POLAR ASH



STERLING SMOKE



DUNEWOOD

### HOLLAND 4x8

2-3/8" thick  
 Units per sq. ft.: 4.5  
 Sq. ft. per cube: 108  
 Weight per sq. ft.: 28 lbs.  
 Weight per cube: 3,024 lbs.  
 Sq. ft. per strap: 18

### HOLLAND 8x8

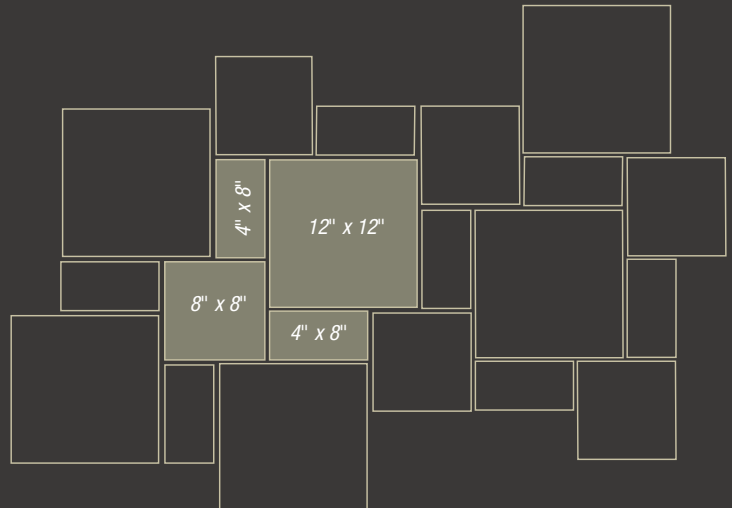
2-3/8" thick  
 Units per sq. ft.: 2.25  
 Sq. ft. per cube: 96  
 Weight per sq. ft.: 28 lbs.  
 Weight per cube: 2,688 lbs.  
 Sq. ft. per strap: 16

### HOLLAND 12x12

2-3/8" thick  
 Units per sq. ft.: 1  
 Sq. ft. per cube: 72  
 Weight per sq. ft.: 28 lbs.  
 Weight per cube: 2,016 lbs.  
 Sq. ft. per strap: 18

### HOLLAND SERIES PATTERN ►

Approximate %  
 4" x 8" 24%  
 8" x 8" 24%  
 12" x 12" 52%



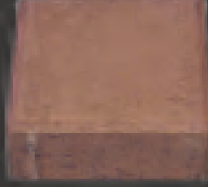
# SYMETRY<sup>®</sup> (SPECIAL ORDER)

▶ NEXT PAGE:  
PAVERS: SYMETRY – RUSTIC BLEND  
6x6 – CUSTOM COLOR  
(Installed utilizing Venetian Parquet Pattern)



SYMETRY

Units per sq. ft.: 3.4  
Sq. ft. per cube: 84  
Weight per sq. ft.: 28 lbs.  
Weight per cube: 2,352 lbs.  
Sq. ft. per strap: 21



6x6 SQUARE

Units per sq. ft.: 4  
Sq. ft. per cube: 92  
Weight per sq. ft.: 28 lbs.  
Weight per cube: 2,576 lbs.  
Sq. ft. per strap: 13.14

▶ RIGHT:  
PAVERS: SYMETRY – RUSTIC BLEND  
6x6 – CUSTOM COLOR  
(Installed utilizing Venetian Parquet Pattern)

▶ BELOW:  
PAVERS: SYMETRY – RUSTIC BLEND  
6x6 – SLATE  
(Installed utilizing Venetian Parquet Pattern)



# SYMETRY<sup>®</sup> (SPECIAL ORDER)



SYMETRY<sup>®</sup> AND 6X6 SHAPES ARE AVAILABLE ON SPECIAL ORDER ONLY.

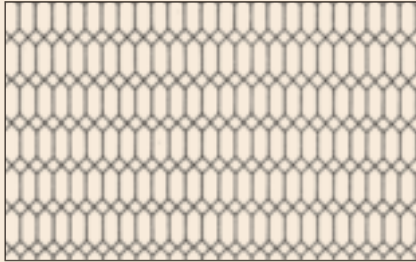
# SYMETRY<sup>®</sup> (SPECIAL ORDER)

PAVERS: SYMETRY<sup>®</sup> – RUSTIC BLEND  
6x6 – CREAM – CUSTOM COLOR  
(Installed utilizing Venetian Parquet Pattern)



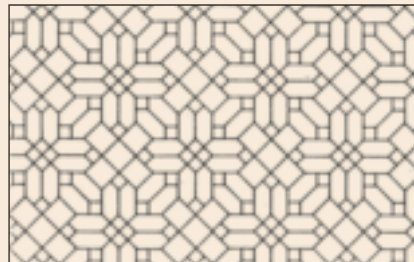


## SYMETRY® PATTERNS (SHOWN WITH 6x6)



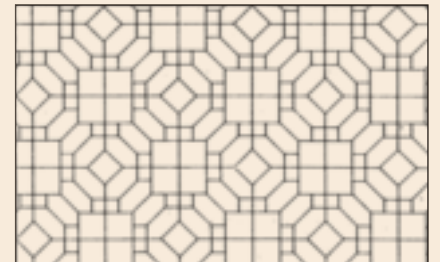
Diamond Run Pattern

100% SYMETRY



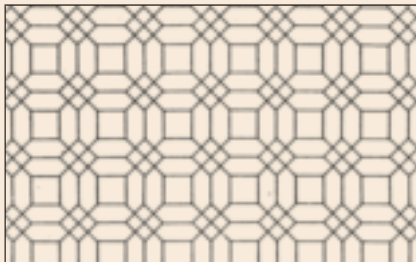
Pattern #7

74.5% SYMETRY 25.5% SQUARES



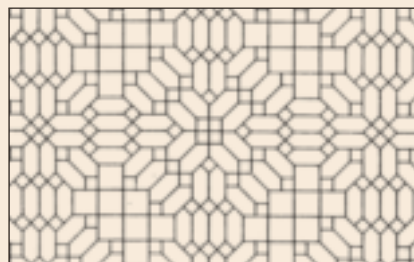
Grand Parquet Pattern

66.2% SYMETRY 33.8% SQUARES



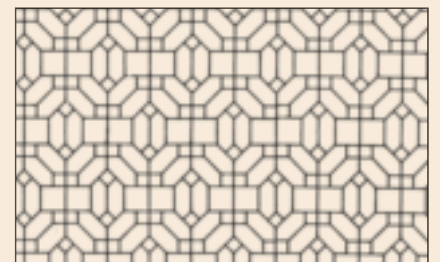
Venetian Parquet Pattern

83% SYMETRY 17% SQUARES



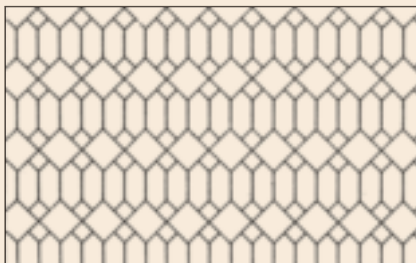
Regency Pattern

83% SYMETRY 17% SQUARES



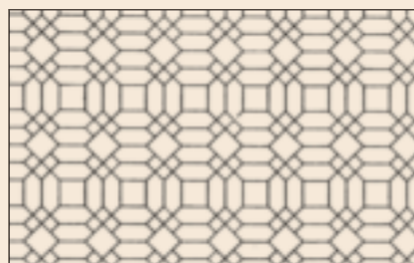
Interpace Pattern

78.5% SYMETRY 21.5% SQUARES



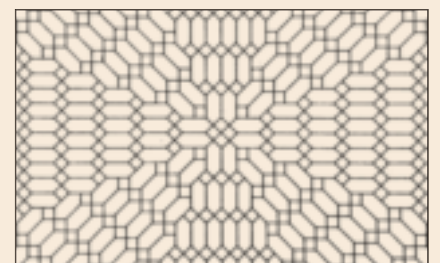
Embassy Row Pattern

71% SYMETRY 29% SQUARES



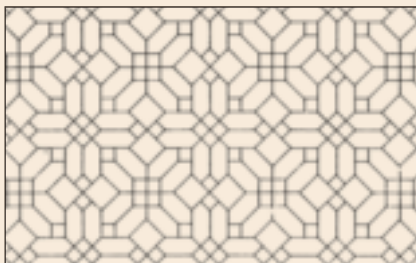
Georgian Parquet Pattern

78.5% SYMETRY 21.5% SQUARES



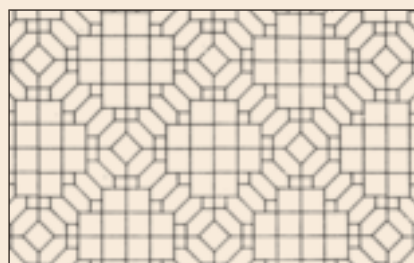
Rondolais Pattern

100% SYMETRY



Palace Parquet Pattern

83% SYMETRY 17% SQUARES



Pattern R.S.

53% SYMETRY 47% SQUARES

Approximate Scale: 1/4" = 1'  
(Percentages in Square Feet)

# STANDARD COLORS

Fendt offers separate color lines at three separate pricing levels, which include Standard Colors, Spectrum Colors and Elite Colors. Fendt's Standard Colors offer some of the widest varieties of both solid colors and blended colors that are available in today's market.



RUSTIC BLEND



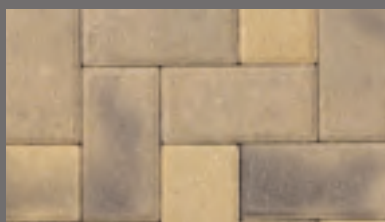
WALNUT BLEND



PEWTER



ANTIQUE BLEND



LIMESTONE BLEND



LAKESHORE BLEND



SANDSTONE BLEND



SLATE



MOSSY OAK BLEND  
(Minimal Upcharge)

WHEN SELECTING COLOR: The color samples depicted are only a guide to assist in color selection and should not be used to select final color. Actual colors of pavers and walls may vary due to the nature of the raw materials used in processing and the variation of reproduction and printing processes. Final color selection should be made from actual paver and wall products. When installing pavers, use several cubes simultaneously for proper color blending.

# SPECTRUM COLORS & ELITE COLORS

Fendt offers two premium color lines, namely Spectrum Colors and Elite Colors. The Spectrum Colors line offers deeper and richer color tones which take standard paver colors to a higher level. The Elite Colors line offers the latest color possibilities when premium colors are combined with premium cements.

## SPECTRUM COLORS



BURGUNDY

## ELITE COLORS



IRONWOOD

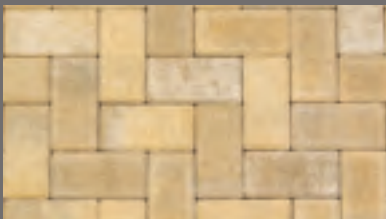


JET BLACK



STERLING SMOKE

## ELITE COLORS



SEASHELL BLEND



SUMMER WHEAT

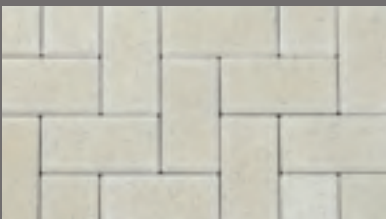


COFFEE

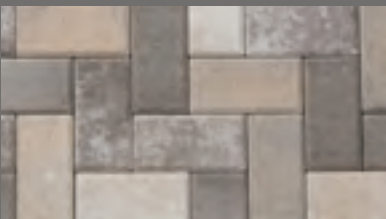
## ELITE COLORS



ALABASTER

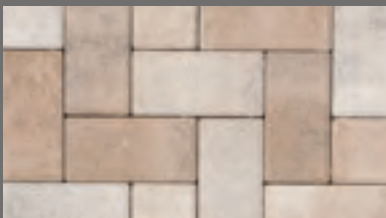


WHITESTONE



POLAR ASH

## ELITE COLORS



DUNEWOOD

# OLD WORLD COLORS

WHEN SELECTING COLOR: The color samples depicted are only a guide to assist in color selection and should not be used to select final color. Actual colors of pavers and walls may vary due to the nature of the raw materials used in processing and the variation of reproduction and printing processes. Final color selection should be made from actual paver and wall products. When installing pavers, use several cubes simultaneously for proper color blending.

## STANDARD COLORS



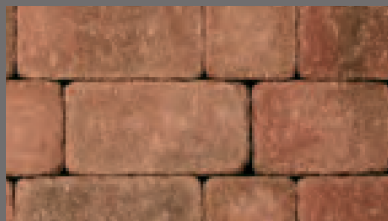
LIMESTONE BLEND



WALNUT BLEND



ANTIQUE BLEND



RUSTIC BLEND



SLATE

## ELITE COLORS



POLAR ASH



SUMMER WHEAT  
Stocked in Extra Large Rectangle (XLR) only

# ACCENT PAVERS — ELITE COLORS

- > TOP:  
PAVERS: OLD WORLD VINTAGE – SEASHELL BLEND  
ACCENT PAVERS: OLD WORLD VINTAGE XLR – RUBY & JET BLACK
- > BOTTOM:  
PAVERS: OLD WORLD VINTAGE – SEASHELL BLEND  
ACCENT PAVERS: OLD WORLD VINTAGE XLR – JET BLACK



ELITE ACCENT COLORS INVENTORIED IN  
OLD WORLD VINTAGE EXTRA LARGE RECTANGLE



# CUSTOM COLOR PROJECTS

Looking for something just a little out of the ordinary? While most wall stone and paver products are stocked in a wide range of common colors, Fendt has the capability to produce custom colors on select jobs. Need your driveway pavers a certain shade of gray or even something bolder? Have a special color that is your backyard patio inspiration? Perhaps you just want something no one else has! Fendt understands.



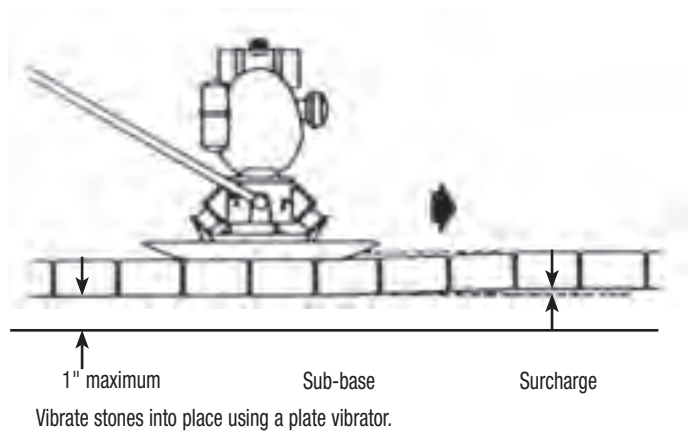
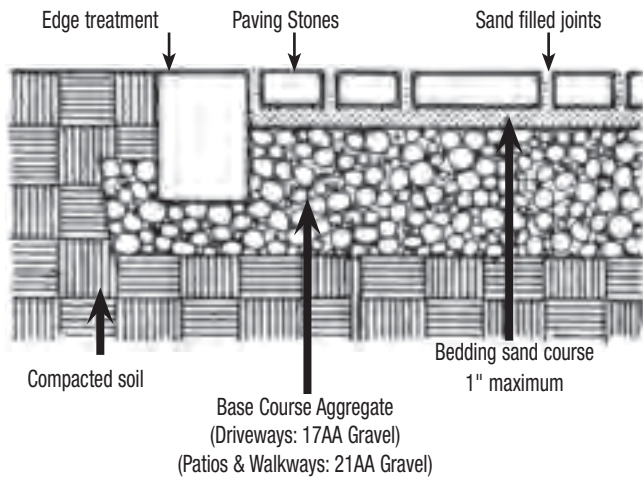
# CUSTOM COLOR PROJECTS



# PAVER INSTALLATION INSTRUCTIONS

## Interlocking Concrete Paving Stones

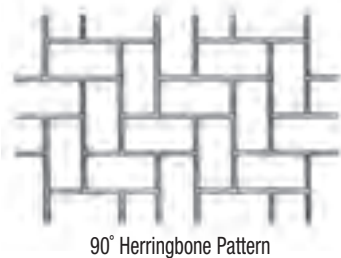
1. Prepare the site, making a compacted base with 21AA gravel between 8" and 12" for driveways and with 21AA gravel up to 4" to 6" for patios and walkways. Slope as necessary.
2. Spread a layer of 2NS concrete sand 1" over compacted base. It is important to maintain consistent thickness of bedding sand. Screen the sand to desired level. Allow for thickness of paver and for compaction of sand (approximately ¼" to ½") to be done in step #5.
3. Lay the paving stones in the patterns you choose, starting the edge stones from an existing line such as a curb or house.
4. Make any necessary cutting of stones with a paving stone splitter or masonry saw.
5. Remove and replace any chipped, cracked, or otherwise undesirable pavers prior to compacting, polysanding, or sealing.
6. Make a minimum of two passes over paving stones with a plate vibrator.
7. Fill the joints by sweeping dry sand over the paving stones, leaving a thin layer for final vibration.
8. Vibrate sand into joints and sweep off excess sand. The pavement is now ready for immediate use.



## Interlocked Patterns

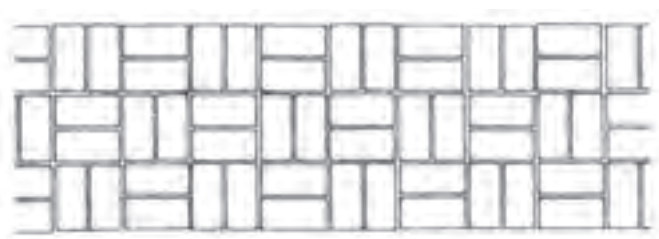
### The Herringbone Patterns

Form the greatest interlock, since the longest continuous joint is only 1-1/2 stones long.



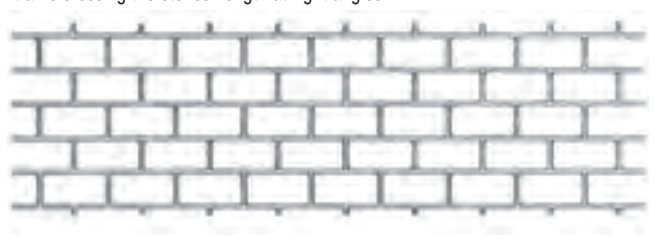
### Parquet Pattern

A pattern with unlimited variations.



### Running Bond Pattern

A traditional pattern that, when used for vehicular traffic, should have traffic crossing the stones' length at right angles.





# PAVERS — INVENTORIED COLORS AND SHAPES

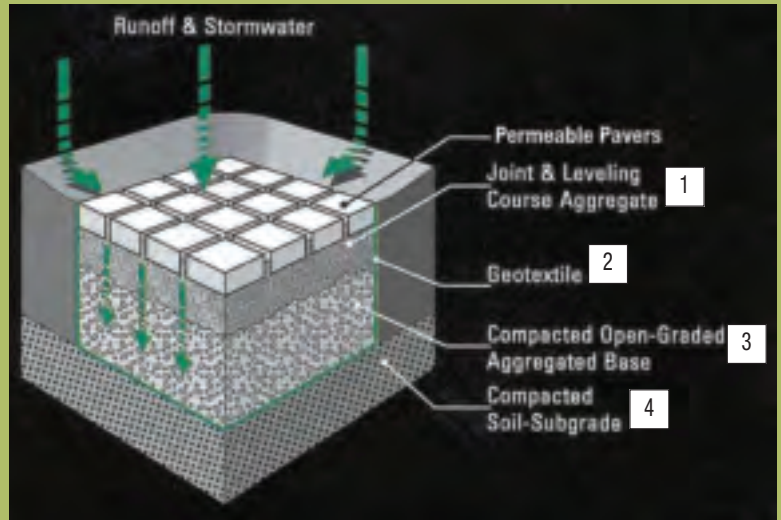
	ALABASTER	ANTIQUE	AU GRES	BIRCHWOOD	BURGUNDY	COFFEE	DUNEWOOD	IRONWOOD	JET BLACK	LAKESHORE	LIMESTONE	MACKINAC	MOSSY OAK	PEWTER	POLAR ASH	RUSTIC	SANDSTONE	SEASHELL	SLATE	STERLING SMOKE	SUMMER WHEAT	WALNUT	WHITESTONE
<b>BAY STONE</b>																							
Bay Stone Extra Large Rectangle (XLR)			•	•					•			•			•								
Bay Stone Large Square (LS)			•	•								•			•								
Bay Stone Mega Large Rectangle (MLR)			•	•								•			•								
<b>COPING STONE</b>																							
											•								•			•	
<b>ECOLOGICAL PAVERS</b>																							
Eco-Brick																							
Eco-Classic											•												
Eco-Classic – Old World (OW)																							
Monoslab Grass Paver														•									
<b>HARBOR STONE</b>																							
Harbor Stone Extra Large Rectangle (XLR)								•													•		•
Harbor Stone Large Square (LS)								•													•		•
Harbor Stone Mega Large Rectangle (MLR)								•													•		•
<b>HOLLAND</b>																							
Holland 4x8	•	•			•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•
Holland 8x8							•			•	•				•						•		•
Holland 12x12							•			•	•				•						•		•
Holland 4x8 Old World (OW)		•									•					•			•				•
<b>VINTAGE</b>																							
Vintage Circle (C)		•														•	•						•
Vintage Square/Small Rectangle (SSR)		•														•	•						•
Vintage Large Rectangle (LR)		•														•	•		•				•
Vintage Extra Large Rectangle (XLR)																							
Vintage Double Large Rectangle (DLR)																							
Vintage Large Square (LS)																							
<b>VINTAGE – OLD WORLD (OW)</b>																							
OW Vintage Circle (C)											•				•								•
OW Vintage Square (S)											•				•								•
OW Vintage Large Rectangle (LR)											•				•								•
OW Vintage Extra Large Rectangle (XLR)						•		•		•	•				•						•		•
OW Vintage Double Large Rectangle (DLR)											•				•								•
OW Vintage Large Square (LS)											•				•								•

• = In Stock

# ENVIRONMENTAL PRODUCTS

## > CONTENTS

Permeable Pavers . . . . .	59-61
Geolink Erosion Control . . . . .	63
Monoslab® Grass Paver . . . . .	64-65



- 1 JOINT FILLING BEDDING LAYER  
1/8" Crushed Stone Chips @ 1-1/2" Thick
- 2 GEOTEXTILE  
Non-woven Geotextile Fabric, Minimum 4.0 Ounces Per Square Yard
- 3 BASE COURSE  
6A Crushed Aggregate @ 6" Minimum Thickness
- 4 SUBGRADE\*  
Well Compacted Undisturbed Soil

\*Subgrade soil type will determine the need for an outlet from base course to bioswale area. Applicable soil types are fine-grain or impervious soils such as clay. See a qualified Fendt representative for bioswale applications.

Permeable pavements now offer a new dimension by allowing a higher percentage of rainwater to permeate through the pavement system as opposed to overburdened storm water systems. When installed as part of the Bio-Aquifer Storm System (BASS), permeable pavers allow for natural storm water drainage and ground water recharge, making them ecologically sound and economically smart.

A parking lot or street created with BASS uses durable, permeable components that allow water to flow through, retaining the water runoff and directing it through a series of natural filtration systems before it enters nearby streams or rivers. Fendt's Eco-Brick™ and Eco-Classic are the perfect solution that can transform any paver parking lot, driveway or pavement area into a beautiful and sustainable pavement that effectively manages storm water.

# PERMEABLE PAVERS: ECO-CLASSIC

## Eco-Classic

### PRODUCT INFORMATION

FULL BRICK  
4-1/2" x 9" x 3-1/8"  
.272 sq. ft. per unit  
3.68 units per sq. ft.  
36 units/layer, 252/cube

HALF BRICK  
4-1/2" x 4-1/2" x 3-1/8"  
.136 sq. ft. per unit  
7.35 units per sq. ft.  
8 units/layer, 56/cube

10.9 sq. ft. per layer  
76.30 sq. ft. per cube

Weight per cube: 2,719 lbs.



ECO-CLASSIC  
INVENTORIED IN LIMESTONE BLEND (ABOVE)

## Old World Eco-Classic (SPECIAL ORDER)

### PRODUCT INFORMATION

FULL BRICK  
4-1/2" x 9" x 3-1/8"  
.272 sq. ft. per unit  
3.68 units per sq. ft.  
36 units/layer, 252/cube

HALF BRICK  
4-1/2" x 4-1/2" x 3-1/8"  
.136 sq. ft. per unit  
7.35 units per sq. ft.  
8 units/layer, 56/cube

10.9 sq. ft. per layer  
76.30 sq. ft. per cube

Weight per cube: 2,719 lbs.

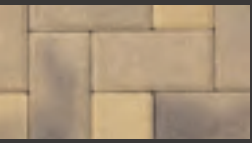


OLD WORLD ECO-CLASSIC

# PERMEABLE PAVERS: ECO-CLASSIC

▶ PAVERS: ECO-CLASSIC – WALNUT BLEND (Special Order Color)

STANDARD COLORS



LIMESTONE BLEND



# PERMEABLE PAVERS: ECO-CLASSIC

› PAVERS: ECO-CLASSIC – SANDSTONE BLEND (Special Order Color)  
ACCENT PAVERS: ECO-CLASSIC – JADE (Special Order Color)



# PERMEABLE PAVERS: ECO-BRICK™ (SPECIAL ORDER)

ECO-BRICK – LIMESTONE BLEND  
BORDER: HOLLAND 4x8 – SLATE



## PRODUCT INFORMATION

**FULL BRICK**  
4-1/2" x 9" x 3-1/8"  
.272 sq. ft. per unit  
3.68 units per sq. ft.  
36 units/layer, 252/cube

**HALF BRICK**  
4-1/2" x 4-1/2" x 3-1/8"  
.136 sq. ft. per unit  
7.35 units per sq. ft.  
8 units/layer, 56/cube



# GEOLINK (SPECIAL ORDER)



Soil erosion has been an issue plaguing engineers for decades. It is a well-known fact that the single biggest impact on water quality is the soil erosion process. As a result of new federal and local regulations mandating the control of silt runoff, the engineering community must now use innovative measures to control the erosion process.

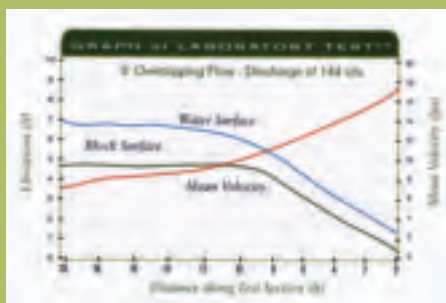
Geolink's premium design inhibits the transport of soil during the erosion process and helps keep our waterways free from silt and hazardous pollutants. Open cells within the block support and maintain vegetative growth, enhancing water quality through a natural cleansing process by filtering out contaminants. Geolink's superior methods of erosion control promote a natural, aesthetically pleasing environment.

G E O L I N K Unit Specifications							
depth	width	length	gross coverage per ft <sup>2</sup>	weight	weight per sq ft	open area %	
4"	12"	16"	1.12	36.6	32-37	20	
UNITS PER PALLET – 48				WEIGHT PER PALLET – 1,469 LBS.			



## PERMEABLE GRASS PAVER

- Geolink units with vegetation
- Soil-filled units
- Engineering fabric layer
- Drainage media
- Prepared subgrade foundation



# GRASS PAVERS: MONOSLAB®

MULTI-PURPOSE MONOSLAB GRASS PAVER ... THE PROBLEM SOLVER!

## STABILIZES GRASSY AREAS:

- FOR FIRE LANES
- HIGHWAY CROSSOVERS
- RUNWAY SHOULDERS

It's the natural look in paving ... proven over three decades in use. Monoslab Grass Pavers allow a lawn area to be used for parking or driveways — preserving green space in places where it's scarce.

Monoslab Grass Pavers eliminate the dust or mud normally created by allowing traffic in unpaved areas, and can be used in any area where you want to allow vehicular traffic while preserving the look of a lawn.

The unique design of Monoslab affords better weight distribution and increased load bearing capacity. The surface pattern encourages controllable drainage, while stimulating grass growth.

Fast and simple to install in any weather, Monoslab Grass Pavers are available for immediate use.

Monoslab Grass Paver grids permit emergency vehicles and fire trucks to approach buildings from all directions saving time and possibly lives. Heavy trucks drive over stabilized grassy areas leaving no trace.

When considering the areas around apartments and other commercial buildings, the design professional has an alternative to traditional asphalt and other hard surfacing. Monoslab is not subject to most restrictive zoning ordinances that cover hard pavement.

Monoslab grids enable emergency and surface vehicles to cross over between concrete and asphalt pavements.

Especially suitable at curves, concrete grids are readily seen at night. Fast, easy installation. Tire rumbling when driving over the concrete grids alerts drivers.



## GOOD NEWS FOR FIREFIGHTERS, LANDSCAPE ARCHITECTS & HIGHWAY/WATERWAY ENGINEERS

**SAVES GRASS** ... The design professional now has an exciting option when considering surfacing for areas around apartment buildings, shopping malls, office buildings and other urban developments. Monoslab offers a relief from traditional hard surfacing by introducing stabilized grass areas. Suitable for parking lots and overflow parking areas, it will also allow utility trucks to drive over landscaped grounds.

**STOPS EROSION** ... Monoslab is the best answer to stabilize slopes and put an end to persistent erosion problems. Even river bed erosion in fast-flowing rivers or open culverts can be effectively controlled with Monoslab.

It is also successfully used as revetments to reinforce reservoirs and shoreline slopes and to provide seawall toe protection. After Monoslab is laid and grass established, an installation can be mowed as normal grass.





# MONOSLAB® GRASS PAVERS

## EASY TO INSTALL



### STEP 1

For heavy loads, bulldoze one foot below finished grade.

For light loads (automobiles), bulldoze one-half foot below finished grade.



### STEP 4

Level the paver grids on the sand bed. Keep them "pencil thickness" apart.



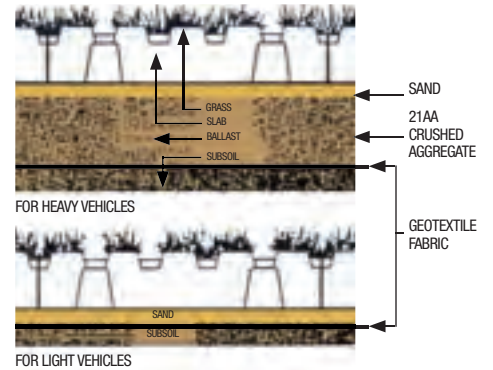
### STEP 2

For light loads, spread and tamp — or roll — one inch sand bed directly on the sub-grade.



### STEP 5

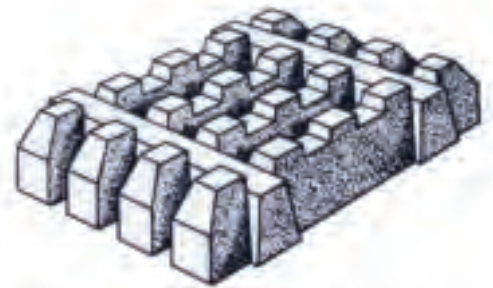
Ready for service.



### STEP 3

For heavy loads (trucks), spread and tamp — or roll — six inches of crushed rock or crushed concrete over continuous geotextile fabric for heavy vehicle base course. Not required for light loads, such as automobiles.

Spread and tamp — or roll — one-inch sand bed on the six-inch ballast course.



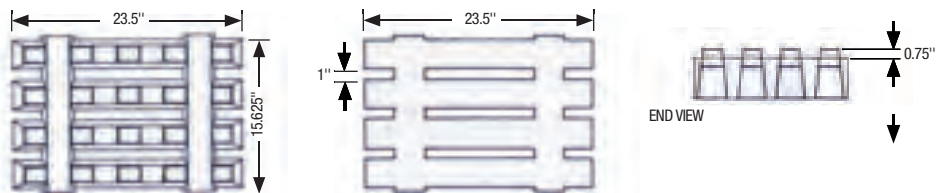
## SO MANY BENEFITS:

- Minimize storm water runoff
- Replenish subterranean ground water
- Avoid erosion and soil wash away
- Protect lawns from wheel tracks
- Reduce hard surface pavement

All of the above objectives can be accomplished by installing Monoslab. On a test installation of tufted Grass Paver bedded on two inches of coarse sand spread over six inches of gravel, with clay subsoil, no water ran off for an hour. Storm water runoff then ranged from 5% to 18%.

## SPECIFICATIONS

MEASUREMENTS	USA/CAN actual	USA/CAN nominal	USE NOMINAL VALUES FOR COMPUTATIONS
Length	23-1/2"	24 in. - 2 ft.	+/- 1/8"
Width	15-3/8"	16 in. - 1-1/3 ft.	+/- 1/8"
Thickness	4-9/16"	4-1/2 in. - 3/8 ft.	+/- 1/16"
Area, gross	370 sq. in.	2-2/3 sq. ft.	3 grids = 8 sq. ft.
Area, upper surface	95 sq. in.	2/3 sq. ft.	25% of gross area
Area, base surface	326 sq. in.	2-1/2 sq. ft.	85% of gross area
Weight/grid	94 lb. +/- 3 lbs.	94 lbs.	depends on water absorption
Strength, compression	4000 psi	4000 psi	per ASTM C140-70
Braking load, transverse	-	-	see specification and test procedure sheets
Absorption, water	13 lbs. / cu. ft.	13 lbs. / cu. ft.	per ASTM C140-70



# WALL STONES

WALLS: OLD WORLD STONEGATE – LIMESTONE BLEND  
ACCENT WALL COURSE: OLD WORLD STONEGATE – SLATE  
CAPS: 3x24 SMOOTH CAPS – LIMESTONE BLEND

## CONTENTS

Garden Wall . . . . .	67
Glenstone. . . . .	68
Old World Glenstone. . . . .	69
Glenstone Bullnose. . . . .	70
Old World Glenstone Bullnose. . . . .	71
Verazzo Stone . . . . .	72-75
Stonegate. . . . .	76-79
Old World Stonegate . . . . .	80-81
Stonegate Caps & Steps . . . . .	82
Stonegate Piers . . . . .	83
Stonegate Design Details. . . . .	84-85
Keystone Compacs . . . . .	86
Compac Straight Split . . . . .	87-90
Compac Hewnstone . . . . .	91-92
Compac Contemporary . . . . .	93
Compac Sculptured Split . . . . .	94
Keystone Standards . . . . .	95
Fire Pit Blocks . . . . .	96-97
Coping Stone . . . . .	98
Wall Caps & Stair Treads . . . . .	99
Inventoried Wall Colors/Shapes . . . . .	100
Wall Color Charts . . . . .	101
Installation Instructions . . . . .	102-104
Design Details & Charts . . . . .	105-107
Product Reference Guide . . . . .	108-109



The perfect way to complete your hardscape project is with Fendt concrete wall stones. We feature the Keystone Retaining Wall product line, which has been recognized as the leader in Segmental Retaining Walls (SRWs).

This same style, technology and performance that engineers have specified for years is now available in a wide range of colors and designs to fit your every need and situation. With various styles of wall stones to choose from, your yard can become a showcase to satisfy every possible design.

Fendt's history and experience with colors in concrete pavers is now yours to expand your design options when utilizing retaining walls, courtyard walls, piers and fire pits. As you consider the right wall product to use to complement the rest of your hardscape design, let yourself dream in color!

# GARDEN WALL



LIMESTONE BLEND



RUSTIC BLEND



DESERT BROWN



ANTIQUE BLEND



SLATE



GREY

When it's time to create the garden of your dreams, Fendt offers a full line of Garden Wall brand wall stones to create the elegant and unique look you want. Garden Wall products come in a wide variety of exceptional colors. With their three-dimensional, textured appearance, they add an element of rugged perfection to any garden project.



(Unit shown upside-down to show rear lug)



➤ RIGHT:  
KEYSTONE GARDEN WALL – GRAY

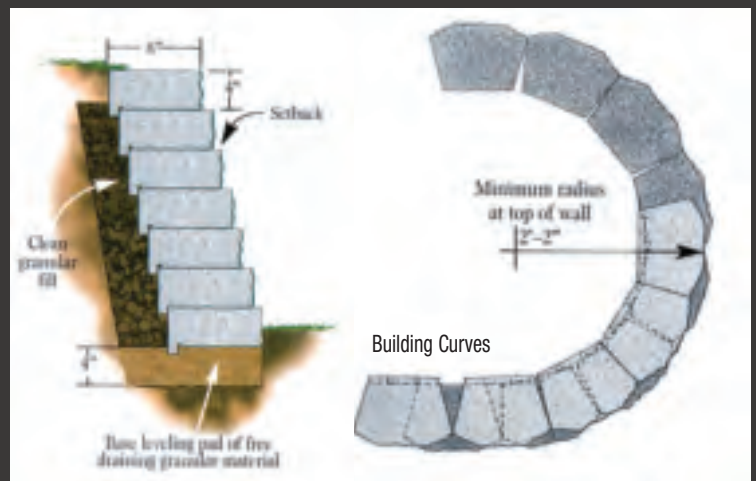
## Removing rear lugs when building curves

To remove outside lugs or edges of retaining lip, hold unit securely or place at angle on ground. Strike the lug firmly with a hammer. Always wear safety glasses to protect eyes from chips.



Size: 4" h x 12" w x 8" d  
Exposed face area: 1/3 sq. ft. (4" x 12")  
Weight: 25 lbs.  
Units per pallet: 96 units  
Weight per pallet: 2,400 lbs.

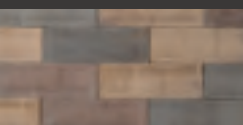
## Typical Landscape Wall Section Shown at Right



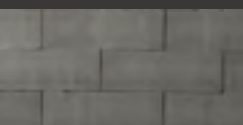
# GLENSTONE

> WALL STONES: GLENSTONE – SLATE  
 WALL ACCENT COURSE: OLD WORLD VINTAGE XLR – COFFEE  
 WALL CAPS: GLENSTONE BULLNOSE – SLATE  
 PIERS: GLENSTONE – LIMESTONE BLEND  
 PIER ACCENT COURSE: OLD WORLD VINTAGE XLR – COFFEE

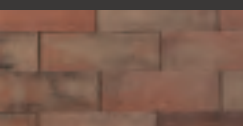
## STANDARD COLORS



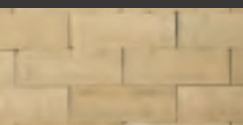
WALNUT BLEND



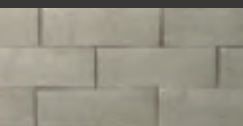
SLATE



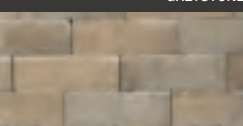
RUSTIC BLEND



SAHARA BLEND

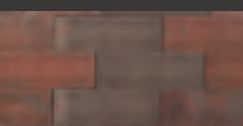


GREYSTONE

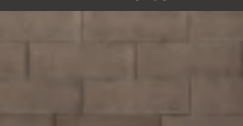


LIMESTONE BLEND

## SPECTRUM COLORS

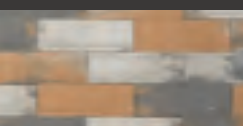


BURGUNDY BLEND

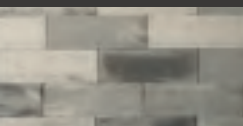


CHESTNUT

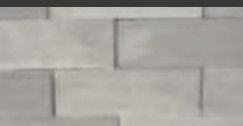
## ELITE COLORS



IRONWOOD



STERLING SMOKE



ALABASTER



Old World 4'' Radius Glenstone

- Size: 4" h x 8" d x 12-1/4" / 9-1/8" w
- Use with Glenstone to Turn Radius
- No Cutting Required – 16 units per circle
- Weight: 27.55 lbs.
- Units per pallet: 96 units
- Weight per pallet: 2,645 lbs.
- Stock Colors: Walnut, Limestone, Slate



Glenstone / Old World Glenstone

- Size: 4" h x 8" d x 12" w
- Exposed face area: 1/3 sq. ft. (4" x 12")
- Weight: 32 lbs.
- Units per pallet: 96 units
- Weight per pallet: 3,072 lbs.

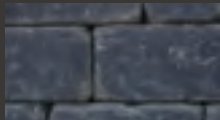
# OLD WORLD GLENSTONE

- > TOP:  
WALLS: OLD WORLD GLENSTONE – STERLING SMOKE  
PAVERS: HOLLAND SERIES – STERLING SMOKE
- > BOTTOM:  
WALL STONES: OLD WORLD GLENSTONE – IRONWOOD  
WALL ACCENT COURSE: GLENSTONE – SLATE  
PAVERS: HOLLAND SERIES – SANDSTONE  
ACCENT PAVERS: OLD WORLD VINTAGE XLR – SUMMER WHEAT

## STANDARD COLORS



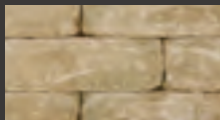
O.W. WALNUT BLEND



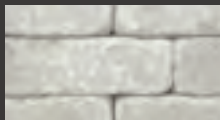
O.W. SLATE



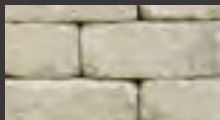
O.W. RUSTIC BLEND



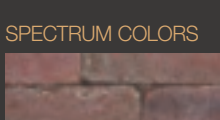
O.W. SAHARA BLEND



O.W. GREYSTONE



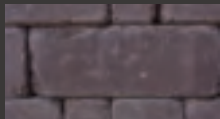
O.W. LIMESTONE BLEND



## SPECTRUM COLORS

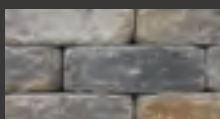


O.W. BURGUNDY BLEND



O.W. CHESTNUT

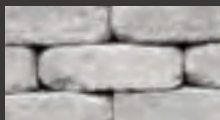
## ELITE COLORS



O.W. IRONWOOD



O.W. STERLING SMOKE



O.W. ALABASTER

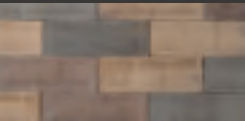


# GLENSTONE BULLNOSE

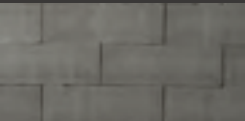
TOP:  
STEP COPING: GLENSTONE BULLNOSE – SLATE  
WALL STONES: OLD WORLD GLENSTONE – IRONWOOD BLEND

BOTTOM:  
WALLS: VERAZZO STONE – CAMEL (SPECIAL ORDER)  
STEP COPING: GLENSTONE BULLNOSE – CAMEL (SPECIAL ORDER)  
WALL ACCENT COURSE: GLENSTONE – SLATE  
PAVERS: HOLLAND SERIES – WALNUT BLEND  
ACCENT PAVERS: HOLLAND 4x8 – SLATE

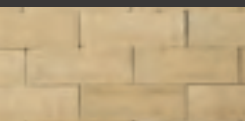
## STANDARD COLORS



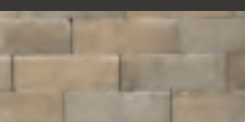
WALNUT BLEND



SLATE



SAHARA BLEND



LIMESTONE BLEND



# OLD WORLD GLENSTONE BULLNOSE

STEP COPING: OLD WORLD GLENSTONE BULLNOSE – CAMEL (SPECIAL ORDER)  
PAVERS: HARBOR STONE – IRONWOOD  
ACCENT PAVERS: OLD WORLD VINTAGE XLR – COFFEE & SUMMER WHEAT  
WALLS: OLD WORLD STONEGATE – CAMEL (SPECIAL ORDER)  
WALL ACCENT COURSE: OLD WORLD VINTAGE XLR – COFFEE



## STANDARD COLORS



O.W. WALNUT BLEND



O.W. SAHARA BLEND



O.W. SLATE



O.W. LIMESTONE BLEND

# KEYSTONE VERAZZO STONE™

WALLS: VERAZZO STONE – WALNUT BLEND  
CAPS: UNIVERSAL CAP – GRAY  
PAVERS: HOLLAND SERIES – WALNUT BLEND





# KEYSTONE VERAZZO STONE™

› WALLS: VERAZZO STONE – WALNUT BLEND  
STEPS: UNIVERSAL CAP – WALNUT BLEND  
PAVERS: HOLLAND SERIES – WALNUT BLEND



# KEYSTONE VERAZZO STONE™

PIERS: VERAZZO RETURN CORNERS – WALNUT BLEND  
 PIER ACCENT COURSE: GLENSTONE – SLATE  
 PAVERS: HOLLAND SERIES – WALNUT BLEND



## STANDARD COLORS



WALNUT BLEND



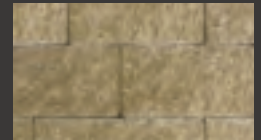
RUSTIC BLEND



LIMESTONE BLEND

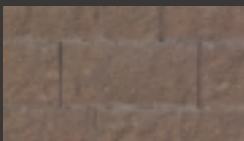


SLATE



SAHARA BLEND

## SPECTRUM COLOR



CHESTNUT

## ELITE COLOR



GRAPHITE BLEND



With unmatched strength and stability, Keystone Verazzo Stone™ has rugged good looks and aesthetic appeal. Each Keystone Verazzo Stone™ is angled on both sides providing different face lengths for a tight fitting, straight wall. Aligning units is also effortless due to the Keystone proven pin connection system. Each stone contains multiple pin positions allowing for a nearly vertical or offset wall.

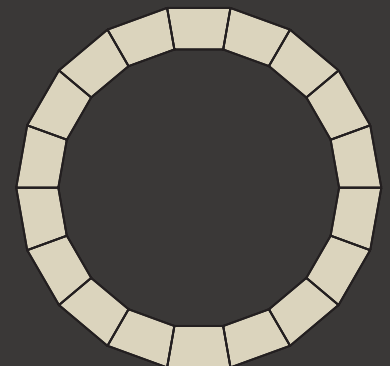
Keystone Verazzo Stone™ looks like a natural element in your yard because each unit is finished on two sides.

Size.....6" h x 16" / 12" w x 10-1/2" d  
 Exposed face area.....0.58 sq. ft. (avg.)  
 Weight.....73 lbs.  
 Units per pallet.....45 units  
 Weight per pallet.....3,272 lbs.  
 Pins.....2/block, 50/bag

Verazzo Pin

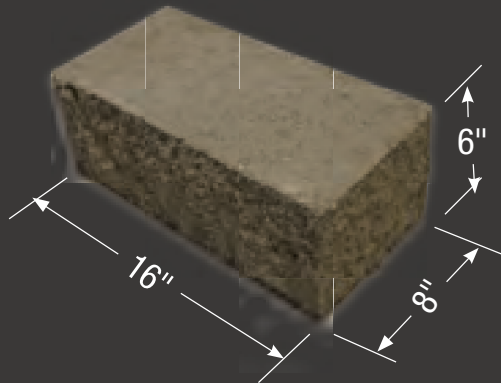


18 Pieces  
 93" O.D.  
 71" I.D.



# VERAZZO RETURN CORNER

WALL STONES: VERAZZO STONE – CAMEL (SPECIAL ORDER)  
PAVERS: HOLLAND SERIES – WALNUT BLEND  
PAVER BORDER: HOLLAND 4x8 – SLATE



Verazzo Return Corner



Corner Construction



24" x 24" Pier  
Utilizing 4-Return Corners



# KEYSTONE STONEGATE

› WALLS: STONEGATE – LIMESTONE BLEND  
WALL ACCENT COURSE: STONEGATE – SLATE  
CAPS: 3x24 SMOOTH CAP – LIMESTONE BLEND  
PAVERS: HOLLAND 4x8 – POLAR ASH  
PAVER BORDER: HOLLAND 4x8 – SLATE



# KEYSTONE STONEGATE

› WALL STONES: STONEGATE – SAHARA BLEND  
WALL CAPS: 3x24 CAP SMOOTH – CHESTNUT  
PAVERS: HOLLAND SERIES – DUNEWOOD



# KEYSTONE STONEGATE

- › TOP:  
WALLS: STONEGATE – LIMESTONE BLEND  
STEPS: GLENSTONE BULLNOSE – LIMESTONE BLEND
- › BOTTOM:  
WALLS: STONEGATE – WALNUT BLEND  
CAPS: 3x24 SMOOTH CAPS – WALNUT BLEND

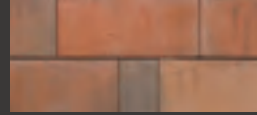


# KEYSTONE STONEGATE

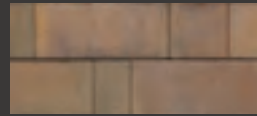
> WALL STONES: STONEGATE – SLATE  
 ACCENT WALL COURSE: STONEGATE – LIMESTONE BLEND  
 WALL CAPS: 3x24 CAP SMOOTH – LIMESTONE BLEND  
 PAVERS: HARBOR STONE – WALNUT BLEND



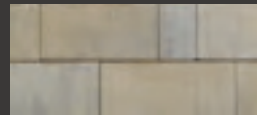
## STANDARD COLORS



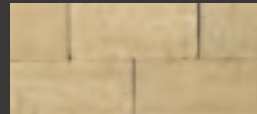
RUSTIC BLEND



WALNUT BLEND



LIMESTONE BLEND



SAHARA BLEND



SLATE

## ELITE COLORS



GRAPHITE BLEND



ALABASTER

Set size .....6" h x 10" d x 32" w max.  
 Exposed face area .....1.4 sq. ft. max.  
 Weight/set .....137 lbs.  
 Sets per pallet .....20  
 Weight per pallet .....2,788 lbs.

### LARGE UNIT

60 lbs. (27 kg)  
 6" h x 10" d x 16" / 14" w  
 (150mm x 250mm x 400mm/350mm)



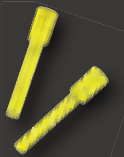
### MEDIUM UNIT

40 lbs. (18 kg)  
 6" h x 10" d x 12" / 10" w  
 (150mm x 250mm x 300mm/250mm)



### SMALL UNIT

25 lbs. (11 kg)  
 6" h x 10" d x 6" / 4" w  
 (150mm x 250mm x 150mm/100mm)



# KEYSTONE OLD WORLD STONEGATE

WALLS: OLD WORLD STONEGATE – WALNUT BLEND  
CAPS: 3x24 CAP – GREYSTONE (Special Order Color)





# KEYSTONE OLD WORLD STONEGATE

WALLS: OLD WORLD STONEGATE – LIMESTONE BLEND  
CAPS: 3x24 SMOOTH CAP – SLATE  
PAVERS: HARBOR STONE – STERLING SMOKE  
ACCENT PAVERS: HOLLAND 4x8 – SLATE



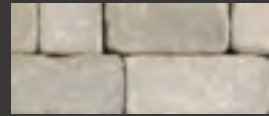
## STANDARD COLORS



O.W. RUSTIC BLEND



O.W. WALNUT BLEND



O.W. LIMESTONE BLEND



O.W. SAHARA BLEND

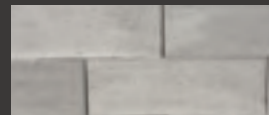


O.W. SLATE

## ELITE COLORS



O.W. GRAPHITE BLEND



O.W. ALABASTER

Set size ..... 6" h x 10" d x 32" w max.  
Exposed face area ..... 1.4 sq. ft. max.  
Weight/set ..... 137 lbs.  
Sets per pallet ..... 20  
Weight per pallet ..... 2,788 lbs.

### LARGE UNIT

60 lbs. (27 kg)  
6" h x 10" d x 16" / 14" w  
(150mm x 250mm x 400mm/350mm)



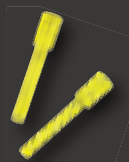
### MEDIUM UNIT

40 lbs. (18 kg)  
6" h x 10" d x 12" / 10" w  
(150mm x 250mm x 300mm/250mm)



### SMALL UNIT

25 lbs. (11 kg)  
6" h x 10" d x 6" / 4" w  
(150mm x 250mm x 150mm/100mm)



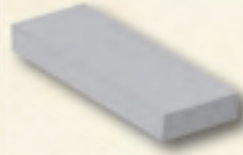
# STONEGATE • CAPS & STEPS

## CAPS

**Cap Unit**  
(One side textured)  
72 lbs.  
3" h x 12" d x 24" w



**Cap Unit**  
(Smooth all sides)  
72 lbs.  
3" h x 12" d x 24" w



Stocked in all six Standard colors

Stocked in all Stonegate colors and Burgundy Blend

Exposed face area ..... 1/2 sq. ft. (3" x 24")  
Units per pallet ..... 48 units  
Weight per pallet ..... 3,504 lbs.  
Linear foot coverage ..... 2 l.f.

## PINS

**Stonegate Shouldered Pin**  
5-1/4" long  
1/2" diameter  
3/4" diameter at shoulder  
100 pins/box  
5 pins/set of Stonegate  
1 box (100 pins) per pallet of Stonegate



## COUNTRY CORNER



The 3" x 12" x 12" Country Corner coping corner unit allows the user to make attractive and simple-to-build 90 degree corners when capping a wall using the 3" x 12" x 24" cap. It has two faces, either textured or smooth to match the 24" caps with one side textured or with all smooth sides. This eliminates the need to make difficult miter cuts and also allows the user to make attractive caps for the 20", 26", 30" and 38" Stonegate piers (See page 83).

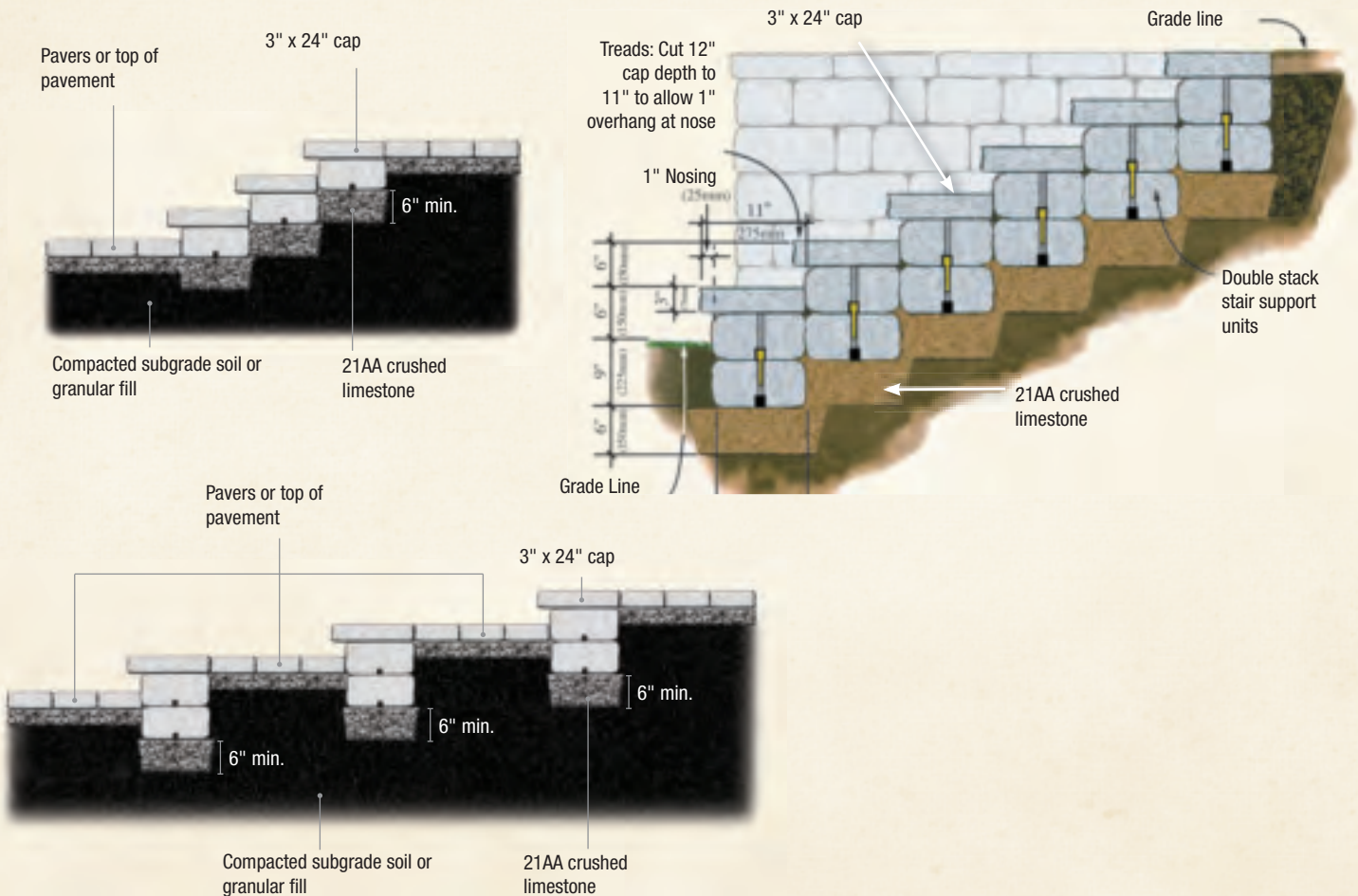
Size ..... 3" h x 12" d x 12" w  
Exposed face area ..... 1/4 sq. ft. (3" x 12")  
Weight ..... 36 lbs.  
Units per pallet ..... 96 units  
Weight per pallet ..... 3,504 lbs.

Face and Sides Textured  
Special Order

Smooth All Sides



## STEP DETAILS



# STONEGATE • PIERS

## PIER AND PIER CAP DETAILS

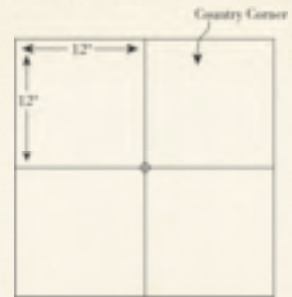
### 20" Pier



20" Pier, 1st and odd numbered courses



20" Pier, 2nd and even numbered courses



Small Pier Cap: Size: 24" square  
For 20" pier or center top cap of larger piers.

### 26" Pier



26" Pier, 1st and odd numbered courses



26" Pier, 2nd and even numbered courses



Cap for 26" Pier: Size: 30" square  
Note: Leave 6" square in center open for plantings or cover with 24" pier cap.

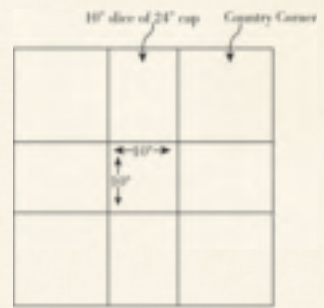
### 30" Pier



30" Pier, 1st and odd numbered courses



30" Pier, 2nd and even numbered courses



Cap for 30" Pier: Size: 34" square  
Note: Leave 10" square in center open for plantings or cover with 24" pier cap.

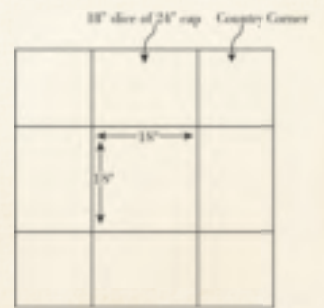
### 38" Pier



38" Pier, 1st and odd numbered courses



38" Pier, 2nd and even numbered courses



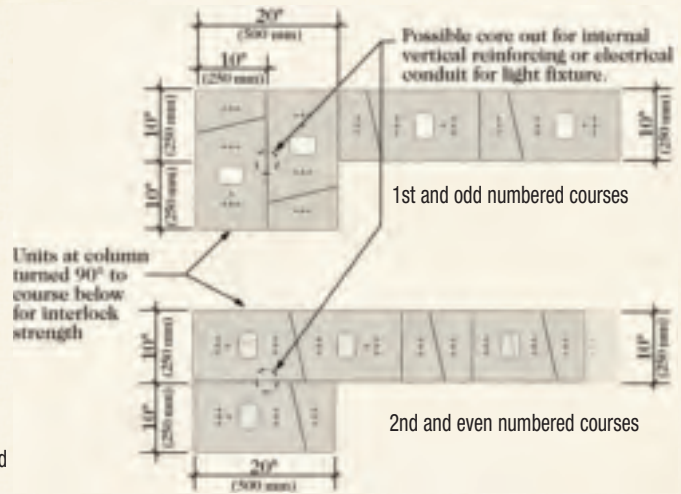
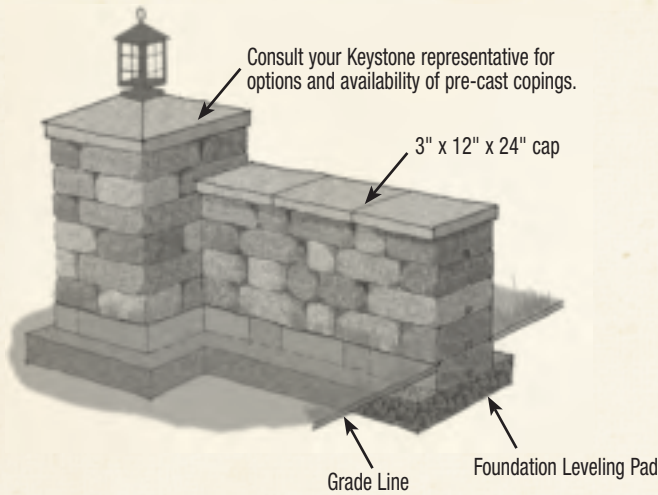
Cap for 38" Pier: Size: 42" square  
Note: Leave 18" square in center open for plantings or cover with 24" pier cap. (24" pier cap for center may need to be glued at the joints ahead of time and allowed to set up prior to installation.)

## DESIGN DETAILS

### FREE-STANDING WALL APPLICATIONS

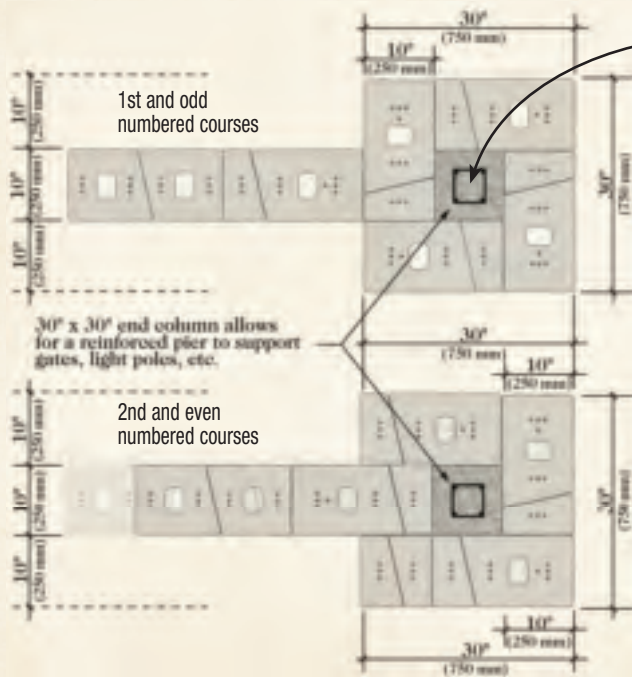
#### Column Corner

Similar to the "L" Return End wall detail, the Column Corner utilizes a 20" x 20" column geometry to develop an integrated pier at the end of a running wall. The detail offers visual aesthetic interest as well as provides strength at the termination end of the free-standing wall.



#### Wall End Column

The Wall End column is a larger version of the "Column Corner" detail. The benefit of this design option is the development of internal reinforcement to provide for greater strength and height, along with a larger footprint dimension for aesthetic purposes.

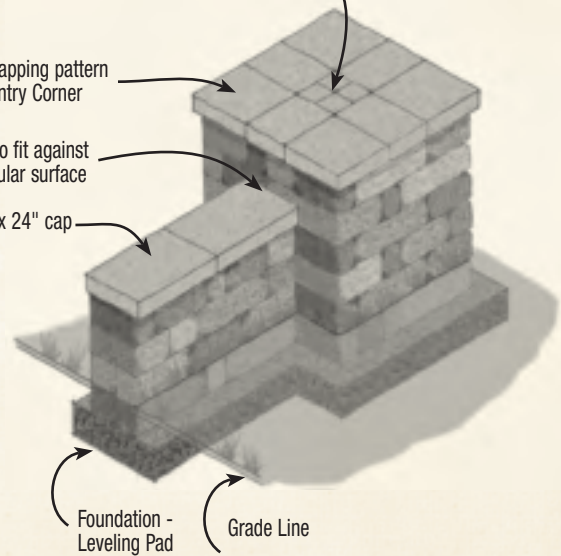


Internal column reinforcing should provide for steel rebar and solid concrete grouting in connection with a reinforced concrete foundation.

Optional capping pattern using Country Corner

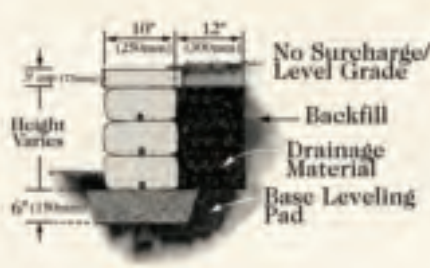
Cut caps to fit against perpendicular surface

3" x 12" x 24" cap

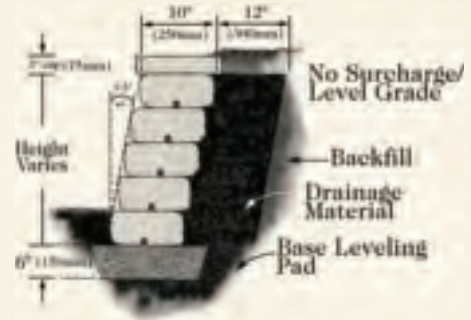


## DESIGN CONSIDERATIONS

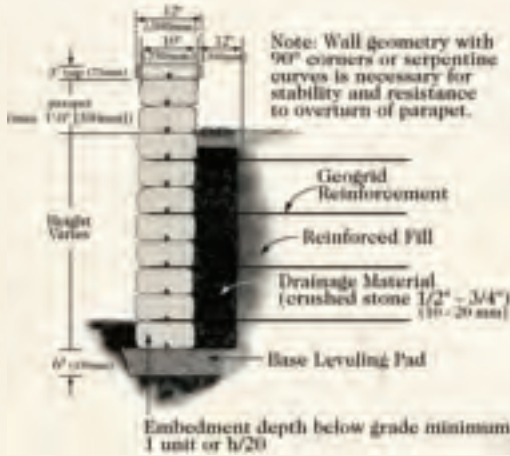
Gravity Wall – Near Vertical Detail



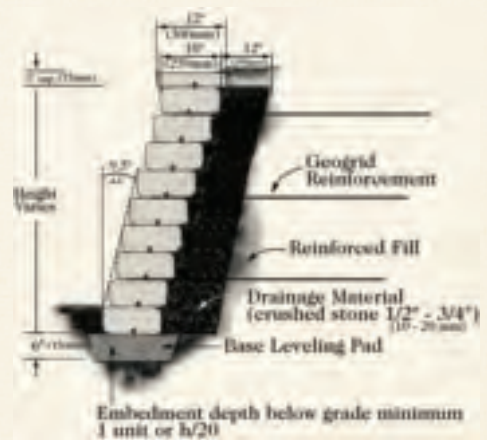
Gravity Wall – Setback Detail 9.5° + Batter



Reinforced Wall – Near Vertical Detail



Reinforced Wall – Setback Detail 9.5° + Batter



GRAVITY WALLS (maximum unreinforced wall height)				
Maximum Height	Near Vertical		9.5° +/- Batter	
	Level	3H:1V	Level	3H:1V
SAND/GRAVEL PHI = 34°	2'-0" (0.6m)	1'-6" (0.45m)	3'-0" (0.9m)	2'-6" (0.75m)
SILTY SAND PHI = 34°	1'-6" (0.45m)	1'-6" (0.45m)	2'-6" (0.75m)	2'-0" (0.6m)
SILT/LEAN CLAY PHI = 26°	1'-6" (0.45m)	1'-0" (0.3m)	2'-0" (0.6m)	1'-6" (0.45m)

**REINFORCED WALLS — Vertical**

GEOGRID: Per manufacturer recommendation.

For walls above 4'-6", use of battered pin position is recommended

**DESIGN NOTES**

- Friction angle (PHI) for earth pressure calculations is min. 28° max. 32°
- Moist weight of all soil types is 120 lbs./ft.<sup>3</sup> (19kN/m<sup>2</sup>)
- Sliding calculations use 6" (150mm) crushed stone leveling pad as compacted foundation material
- All backfill materials are compacted to 95% maximum density
- The term "vertical" implies a wall built to a near vertical alignment with a slight positive setback
- The information provided herein is for preliminary design use only. A qualified engineer should be consulted for design and analysis of structures. Keystone Retaining Wall Systems, Inc. assumes no liability for the improper use of these tables

**REINFORCED WALLS — Battered (9.5° +/- setback)**

GEOGRID: Per manufacturer recommendation.

Stonegate installation and design information reprinted by permission of Keystone Retaining Wall Systems, Inc.

# KEYSTONE COMPACS

## COMPAC 3 STRAIGHT SPLIT

Size ..... 8" h x 18" w x 11" d  
 Exposed face area ..... 1 sq. ft. (8" x 18")  
 Weight ..... 77 lbs.  
 Units per pallet ..... 36 units  
 Weight per pallet ..... 2,772 lbs.



› INVENTORIED COLORS:  
 WALNUT / LIMESTONE / RUSTIC / SAHARA /  
 GREY / GRAPHITE



GREY



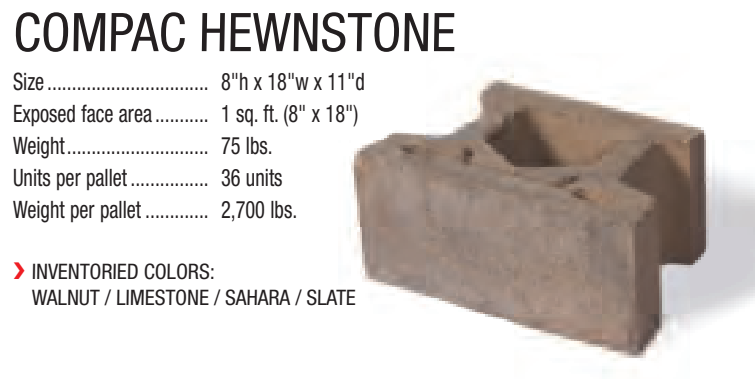
LIMESTONE

## COMPAC HEWNSTONE

Size ..... 8" h x 18" w x 11" d  
 Exposed face area ..... 1 sq. ft. (8" x 18")  
 Weight ..... 75 lbs.  
 Units per pallet ..... 36 units  
 Weight per pallet ..... 2,700 lbs.



› INVENTORIED COLORS:  
 WALNUT / LIMESTONE / SAHARA / SLATE



CARBON BLEND

## COMPAC CONTEMPORARY

Size ..... 8" h x 18" w x 11" d  
 Exposed face area ..... 1 sq. ft. (8" x 18")  
 Weight ..... 75 lbs.  
 Units per pallet ..... 36 units  
 Weight per pallet ..... 2,700 lbs.



› INVENTORIED COLORS:  
 WALNUT / LIMESTONE /  
 CARBON BLEND



DESERT BROWN

## COMPAC SCULPTURED SPLIT

Size ..... 8" h x 18" w x 11" d  
 Exposed face area ..... 1 sq. ft. (8" x 18")  
 Weight ..... 77 lbs.  
 Units per pallet ..... 36 units  
 Weight per pallet ..... 2,772 lbs.



› INVENTORIED COLORS:  
 ALL SPECIAL ORDER.

# KEYSTONE COMPAC STRAIGHT SPLIT

› WALLS: COMPAC STRAIGHT SPLIT – WALNUT BLEND  
CAPS: UNIVERSAL CAPS – WALNUT BLEND



# KEYSTONE COMPAC STRAIGHT SPLIT

WALLS: COMPAC 3 STRAIGHT SPLIT – GRAY  
CAPS: UNIVERSAL CAP – GRAY





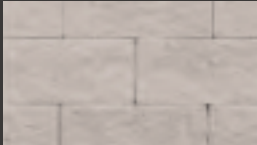
# KEYSTONE COMPAC STRAIGHT SPLIT

WALLS: COMPAC – GRAPHITE BLEND  
CAPS: UNIVERSAL CAP – SLATE



### STANDARD COLORS

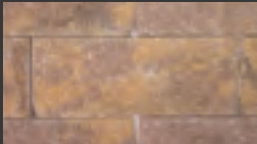
#### COMPAC UNITS



GRAY



RUSTIC BLEND



WALNUT BLEND



LIMESTONE BLEND



SAHARA BLEND

#### ELITE COLORS



GRAPHITE BLEND

# KEYSTONE COMPAC STRAIGHT SPLIT

WALLS: COMPAC – GRAPHITE BLEND  
CAPS: 3X24 SMOOTH CAP – SLATE



# KEYSTONE COMPAC HEWNSTONE

WALLS: COMPAC HEWNSTONE – WALNUT BLEND  
CAPS: 3x24 SMOOTH CAP – WALNUT BLEND



# KEYSTONE COMPAC HEWNSTONE

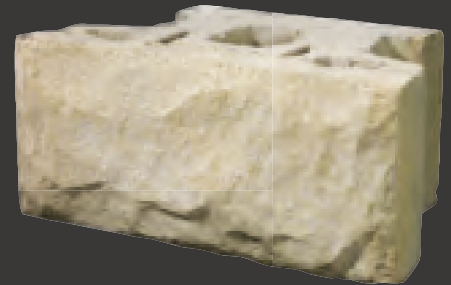
- > TOP:  
WALLS: COMPAC HEWNSTONE – WALNUT BLEND  
CAPS: 3x24 SMOOTH CAP – WALNUT BLEND
- > BOTTOM:  
PIER: COMPAC HEWNSTONE RETURN CORNER – SLATE



8" x 18" x 9" Hewnstone Return Corner

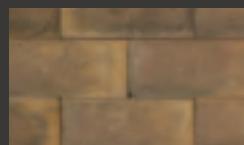
#### KEYSTONE COMPAC HEWNSTONE UNIT:

Size ..... 8" h x 18" w x 11" d  
 Exposed face area ..... 1 sq. ft. (8" x 18")  
 Weight ..... 86 lbs.  
 Units per pallet ..... 36 units  
 Weight per pallet ..... 3,096 lbs.

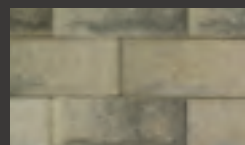


#### HEWNSTONE RETURN CORNER UNIT:

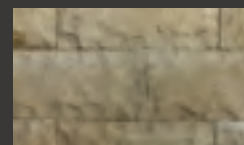
Size ..... 8" h x 18" w x 9" d  
 Weight ..... 100 lbs.  
 Units per pallet ..... 30 units  
 Weight per pallet ..... 3,000 lbs.



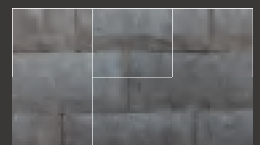
WALNUT BLEND



LIMESTONE BLEND



SAHARA BLEND



SLATE

# KEYSTONE COMPAC CONTEMPORARY

› TOP:  
WALL STONES – LOWER: COMPAC CONTEMPORARY – LIMESTONE BLEND  
WALL STONES – UPPER: GLENSTONE – LIMESTONE BLEND  
WALL CAPS: 3x24 CAP SMOOTH – SLATE

› BOTTOM:  
FIRE PIT: COMPAC CONTEMPORARY – LIMESTONE BLEND  
CAP: 3x24 CAP SMOOTH – SLATE  
PAVERS: HOLLAND 4x8 – WHITESTONE & JET BLACK  
BORDER PAVERS: HOLLAND 4x8 – JET BLACK



# KEYSTONE COMPAC SCULPTURED SPLIT

Like Keystone Straight Split, Keystone Sculptured Split wall stones offer a traditional and classic presentation. But you can add a creative flair with Keystone Sculptured Split wall stones. Turn any landscaping project — large or small — into a work of art!

KEYSTONE COMPAC  
SCULPTURED SPLIT  
(SPECIAL ORDER ONLY)

- RIGHT:  
8" COMPAC SCULPTURED SPLIT – DESERT BROWN
- BELOW:  
8" COMPAC SCULPTURED SPLIT – DESERT BROWN
- BELOW RIGHT:  
8" COMPAC SCULPTURED SPLIT – DESERT BROWN



# KEYSTONE STANDARDS



## STRAIGHT SPLIT

(Available on Special Order Basis Only)

➤ WALNUT BLEND



## SCULPTURED SPLIT

(Available on Special Order Basis Only)

➤ DESERT BROWN



### 8" STANDARD STRAIGHT SPLIT



Size ..... 8"h x 18"w x 22"d  
 Exposed face area ..... 1 sq. ft. (8" x 18")  
 Weight ..... 127 lbs.  
 Units per pallet ..... 20 units  
 Weight per pallet ..... 2,540 lbs.

### 8" STANDARD SCULPTURED SPLIT



Size ..... 8"h x 18"w x 22"d  
 Exposed face area ..... 1 sq. ft. (8" x 18")  
 Weight ..... 119 lbs.  
 Units per pallet ..... 20 units  
 Weight per pallet ..... 2,380 lbs.

### 8" 90° CORNER



Size ..... 8"h x 18"w x 9"d  
 Exposed face area ..... 1 sq. ft. (8" x 18")  
 Weight ..... 86 lbs.  
 Units per pallet ..... 30 units  
 Weight per pallet ..... 2,580 lbs.

### FIBERGLASS PIN



5-1/4" long  
 1/2" diameter  
 100 pins/box  
 Two pins needed for each  
 Mini, Compac and Standard

# FIRE PIT BLOCK

> LEFT SIDE  
 FIRE PIT: 4' FIRE PIT BLOCK – SLATE  
 FIRE PIT CAP: 4' RADIUS GLENSTONE – SLATE  
 PAVERS: HARBOR STONE – STERLING SMOKE  
 ACCENT PAVERS: HOLLAND 4x8 – JET BLACK

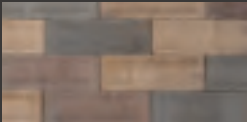
> RIGHT SIDE  
 FIRE PIT: 3' FIRE PIT BLOCK – WALNUT BLEND  
 FIRE PIT CAP: 3' RADIUS GLENSTONE – SLATE  
 PAVERS: HOLLAND SERIES – WALNUT BLEND  
 ACCENT PAVERS: HOLLAND 4x8 – WHITESTONE



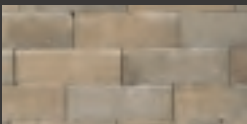
4' Fire Pit Block

3' Fire Pit Block

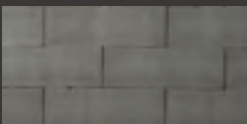
## STANDARD COLORS



WALNUT BLEND



LIMESTONE BLEND



SLATE

These three colors stocked in:

- 3' Fire Pit Block
- 4' Fire Pit Block
- 4" Radius Cap Block

FIRE PIT BLOCKS - BASE UNITS		
4 feet	Inside Circle Diameter	3 feet
5 1/2"	Height	5 1/2"
12	Units per Course	9
75	Units per Pallet	75
38.8	Pounds per Unit	37.8
2,910	Pounds per Pallet	2,835
RADIUS - CAP UNITS		
4"	Height	4"
16	Units per Course	12
96	Units per Pallet	96
27.6	Pounds per Unit	27.6
2,645	Pounds per Pallet	2,650



# OLD WORLD FIRE PIT BLOCK

> FIRE PIT: OLD WORLD FIRE PIT BLOCK – LIMESTONE BLEND  
 FIRE PIT CAP: OLD WORLD 4" RADIUS GLENSTONE – LIMESTONE BLEND  
 WALLS: OLD WORLD STONEGATE – LIMESTONE BLEND  
 WALL ACCENT COURSE: OLD WORLD VINTAGE XLR – BURGUNDY BLEND  
 PAVERS: OLD WORLD VINTAGE – LIMESTONE BLEND  
 ACCENT PAVERS: OLD WORLD VINTAGE XLR – BURGUNDY BLEND



The installation of an optional metal ring may extend the life of the Fire Pit blocks.

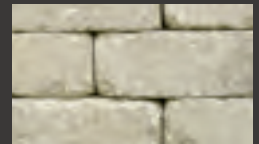


> FIRE PIT: FIRE PIT BLOCK – LIMESTONE BLEND  
 ACCENT COURSE: OLD WORLD VINTAGE XLR – SLATE  
 FIRE PIT CAP: OLD WORLD 4" RADIUS GLENSTONE – LIMESTONE BLEND  
 PAVERS: OLD WORLD VINTAGE – LIMESTONE BLEND

## STANDARD COLORS



O.W. WALNUT BLEND



O.W. LIMESTONE BLEND



O.W. SLATE

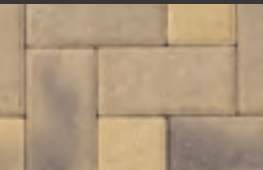
These three colors stocked in:

O.W. 3' Fire Pit Block  
 O.W. 4' Fire Pit Block  
 O.W. 4" Radius Cap Block

# COPING STONE

> POOL COPING: COPING STONE – WALNUT BLEND  
PAVERS: OLD WORLD VINTAGE – SEASHELL

STANDARD COLORS



LIMESTONE BLEND



SLATE



WALNUT BLEND



# WALL CAPS & STAIR TREADS

## Inventoried Colors

### 12" x 12" COUNTRY CORNER CAP

- Chestnut
- Limestone Blend
- Sahara Blend
- Slate
- Walnut Blend
- Whitestone



## Inventoried Colors

### UNIVERSAL CAP

- Chestnut
- Graphite Blend
- Grey
- Limestone Blend
- Rustic Blend
- Sahara Blend
- Slate
- Walnut Blend

### 3" x 24" CAP SINGLE FACE SOFT SPLIT

- Limestone Blend
- Slate
- Walnut Blend



### 3" x 24" ALL SMOOTH CAP

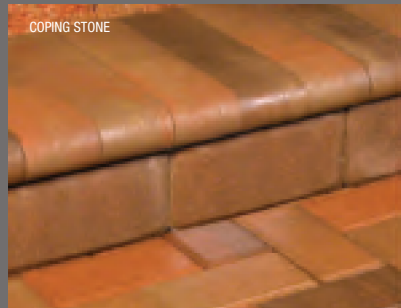


### 3" x 24" CAP ALL SMOOTH

- Chestnut
- Limestone Blend
- Rustic Blend
- Sahara Blend
- Slate
- Walnut Blend
- Whitestone

### COPING STONE

- Limestone Blend
- Slate
- Walnut Blend



### UNIVERSAL STAIR TREAD

(SPECIAL ORDER ONLY)

### GLENSTONE BULLNOSE

LEFT TO RIGHT

- Sahara Blend
- Slate
- Limestone Blend
- Whitestone - *Special Order*
- Walnut Blend



### OLD WORLD GLENSTONE BULLNOSE

LEFT TO RIGHT

- Sahara Blend
- Slate
- Limestone Blend
- Whitestone - *Special Order*
- Walnut Blend

	12" x 12" Country Corner Cap	Universal Cap	3" x 24" Soft Split Cap	3" x 24" All Smooth Cap	Coping Stone	Stair Tread	Glenstone Bullnose
Size (inches)	3"h x 12"w x 12"d	3-1/2"h x 18"w x 12"d	3"h x 24"w x 12"d	3"h x 24"w x 12"d	2-3/8"h x 3-7/8"w x 12-7/8"d	3-1/2"h x 18"w x 20"d	4"h x 8"w x 12"d
Weight per unit (lbs.)	36	62	70.1	71.5	9.915	106	29.7
Units per pallet	96	56	48	48	117	28	96
Weight per pallet (lbs.)	3,456	3,472	3,365	3,432	1,160	2,968	2,858

# WALL STONES — INVENTORIED COLORS AND SHAPES

	ALABASTER	ANTIQUE BLEND	BURGUNDY BLEND	CARBON BLEND	CHESTNUT	GRAPHITE BLEND	GRAY	GREYSTONE	IRONWOOD	LIMESTONE BLEND	RUSTIC BLEND	SAHARA BLEND	SLATE	STERLING SMOKE BLEND	WALNUT BLEND	WHITESTONE
<b>CAPS</b>																
12x12 Cap (Smooth)					•					•		•	•		•	•
3x24 Cap (Smooth)					•					•	•	•	•		•	•
3x24 Cap (Split Face One Face)										•			•		•	
Universal Cap					•	•	•			•	•	•	•		•	
<b>COMPAC SERIES - 8x18x11</b>																
Contemporary (Smooth)				•						•					•	
Contemporary Return Corner				•						•					•	
Hewnstone										•		•	•		•	
Hewnstone Return Corner										•		•	•		•	
Sculptured Split																
Straight Split						•	•			•	•	•			•	
90-Degree Return Corner 8x18x9						•	•			•	•	•			•	
<b>FIRE PIT BLOCKS</b>																
Fire Pit - 4'										•			•		•	
Fire Pit – Old World (OW) - 4'										•			•		•	
Fire Pit - 3'										•			•		•	
Fire Pit – Old World (OW) - 3'										•			•		•	
<b>GARDENWALL</b>																
		•					•			•	•		•		•	
<b>GLENSTONE SERIES</b>																
Glenstone	•		•		•			•	•	•	•	•	•	•	•	•
Glenstone – Old World (OW)	•		•		•			•	•	•	•	•	•	•	•	•
Glenstone Bullnose										•		•	•		•	
Glenstone Bullnose – Old World (OW)										•		•	•		•	
Glenstone Radius										•			•		•	
Glenstone Radius – Old World (OW)										•			•		•	
<b>KEYSTONE STANDARD - 8x18x22</b>																
<b>STONEGATE SERIES - 6"</b>																
Stonegate 6" Contemporary (Smooth)	•					•				•	•	•	•		•	
Stonegate 6" – Old World (OW)	•					•				•	•	•	•		•	
<b>VERAZZO STONE SERIES</b>																
Verazzo - 6"					•	•				•	•	•	•		•	
Verazzo 6" Return Corner					•	•				•	•	•	•		•	

• = In Stock

# FENDT LANDSCAPE WALL COLORS

Fendt offers a wide variety of colors and geometric shapes to meet your specific requirements. Don't see what you need? Fendt can custom manufacture any of the shapes shown, in any color your imagination desires. Your Fendt representative can also discuss Fendt's custom color and texture matching technology. Just bring us a brick or a portion of an existing retaining wall and we'll match the color and texture to add the perfect personalized finishing touch to any commercial or residential job.

## GARDEN WALL COLORS



ANTIQUE BLEND



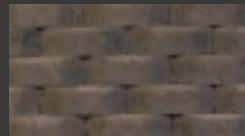
WALNUT BLEND



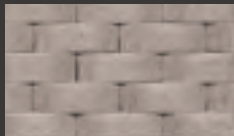
RUSTIC BLEND



LIMESTONE BLEND



SLATE



GRAY

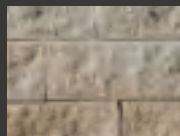
## VERAZZO COLORS



WALNUT BLEND



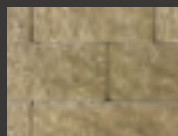
RUSTIC BLEND



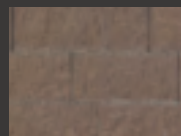
LIMESTONE BLEND



SLATE



SAHARA BLEND

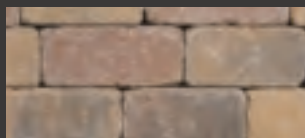


CHESTNUT



GRAPHITE (ELITE)

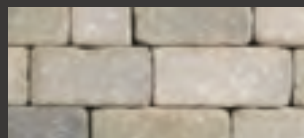
## STONEGATE COLORS (Shown in Old World texture)



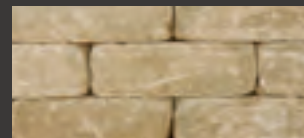
WALNUT BLEND



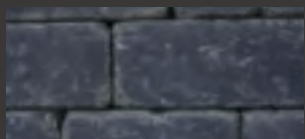
RUSTIC BLEND



LIMESTONE BLEND



SAHARA BLEND



SLATE

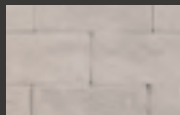


GRAPHITE



ALABASTER

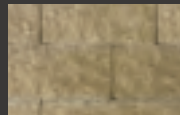
## COMPAC COLORS



GRAY



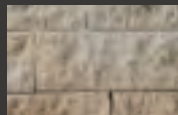
RUSTIC BLEND



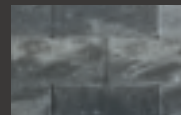
SAHARA BLEND



WALNUT BLEND



LIMESTONE BLEND



GRAPHITE

## GLENSTONE COLORS (Shown in Old World texture)



WALNUT BLEND



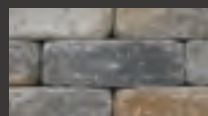
RUSTIC BLEND



BURGUNDY BLEND



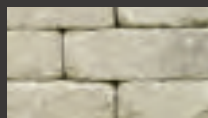
SLATE



IRONWOOD



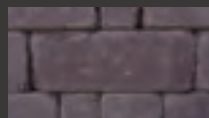
SAHARA BLEND



LIMESTONE BLEND



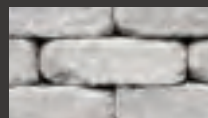
GREYSTONE



CHESTNUT



STERLING SMOKE



ALABASTER

# BASIC PRODUCT INSTALLATION



The Keystone Retaining Wall System was developed with simplicity of construction in mind. The following steps will guide you from start to finish.

## ■ STEP 1: PREPARATION OF BASE LEVELING PAD

Excavate a shallow trench to the designed length and width dimensions for your Keystone wall. Provide 12" behind the Keystone unit to allow for a granular backfill drainage zone. Keystone units should be placed on a 6" leveling pad of compacted well draining fill (i.e., sand, 1/2" to 3/4" crushed stone or gravel) at 95% Standard Proctor compaction or equal. Provide additional trench depth for below grade placement of Keystone units on a ratio of 1" below grade for each 8" of wall height above grade.

## ■ STEP 2: INSTALLING THE BASE COURSE

Install the first course of Keystone units side by side over the prepared base. Level each unit side to side and front to back. Place the units such that the kidney-shaped void is on the bottom surface. Line up pins or back edge of the unit for straight wall alignment. Units should touch side point to side point as diagrammed.

## ■ STEP 3: INSTALLING THE INTERLOCKING PINS

Place the reinforced fiberglass pins into the paired holes in each Keystone unit. Provide pins of correct length for appropriate unit size. Once in place, the pins will allow an automatic setback when installing additional courses as per STEP 5.

## ■ STEP 4: INSTALLING BACKFILL AND COMPACTION

Fill all voids in and between Keystone units and behind units 12". This fill should consist of 1/2" to 3/4" crushed stone or clean, well-draining granular fill. This allows for water drainage and compacts easily. Compact to eliminate potential settlement. Backfill behind gravel drainage zone using existing soils. (NOTE: Heavy clays or organic soils are not recommended due to water holding properties.) Compact to 95% Standard Proctor. Backfill in 8" lifts on a course basis.

**NOTE:** Only lightweight walk-behind mechanical compaction equipment should sweep the units to remove small pebbles, debris, etc., so the units rest evenly upon one another. Backfill and compact at every 8" course.

## ■ STEP 5: INSTALLING ADDITIONAL COURSES

Place the next course of Keystone units over the positioned fiberglass pins so they are centered on and will bridge two units below in a running bond pattern. Pins should fit into kidney-shaped recesses on bottom of units. Pull the Keystone module toward the face of the wall until the module makes full contact with both pins. Repeat STEPS 3, 4, and 5.

## ■ STEP 6: INSTALLING KEYSTONE CAPS

Use Keystone cap units to complete your wall. Place the Keystone cap over the projecting pins on the unit below. Pull forward to the automatic set back position. Backfill and compact to finish grade. **NOTE:** In areas of high public accessibility and vandalism, we recommend construction adhesive or epoxy cement be used around the perimeter underside of the cap prior to unit placement.

The above installation guidelines apply to all Keystone unit sizes. These installation procedures do not take into account geological variations in site and soil conditions and, therefore, may require engineering consideration and detail. The final design and construction of a wall is the responsibility of the owner, not Fendt Builder's Supply, Inc., or Keystone Wall Systems, Inc.

## GEOGRID INSTALLATION (PATENTED PROCEDURES)

For taller, more critical walls where geogrid is required to resist greater lateral earth pressures, use the following steps for installation:

**STEP 1:** Follow steps 1 through 4 of BASIC PRODUCT INSTALLATION.

**STEP 2:** Excavate the reinforced soil area to the maximum embedment length.

**STEP 3:** Cut sections of geogrid off roll to the specified length. Place geogrid in proper orientation (i.e., roll out from wall toward embankment). Check manufacturer's criteria for biaxial or uniaxial geogrids.

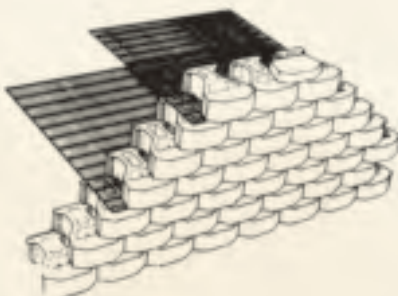
**STEP 4:** Hook geogrid over Keystone fiberglass pins, assuring a secure connection between unit and geogrid.

**STEP 5:** To pretension geogrid, pull the pinned geogrid taut to eliminate loose folds. Stake or secure back edge of the geogrid prior to and during backfill and compaction.

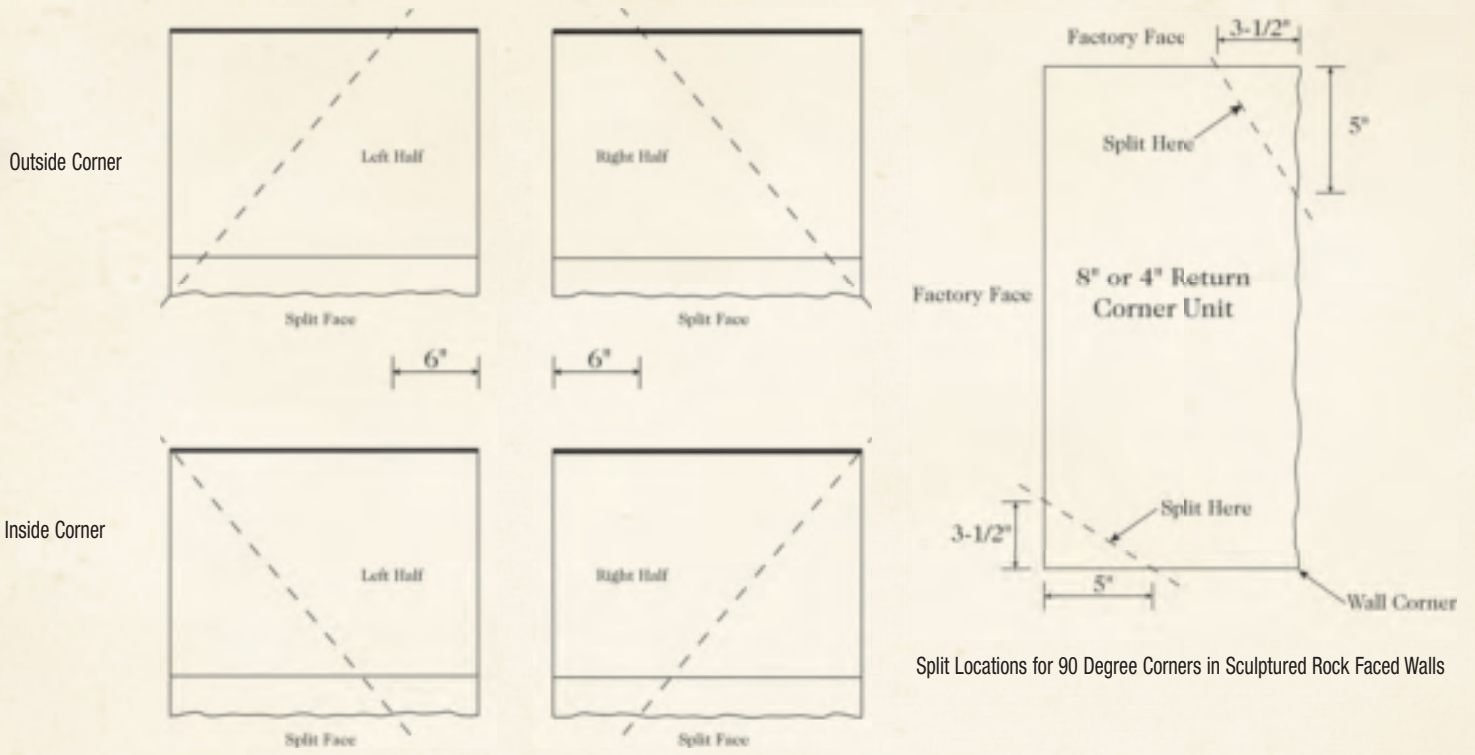
**STEP 6:** Install the next course of Keystone retaining wall units.

**STEP 7:** Proceed to place compacted backfill over geogrid in 8" lifts. Provide minimum 6" soil coverage prior to driving equipment over grid. Avoid tracked or wheeled vehicles directly on grid, or turning on grid.

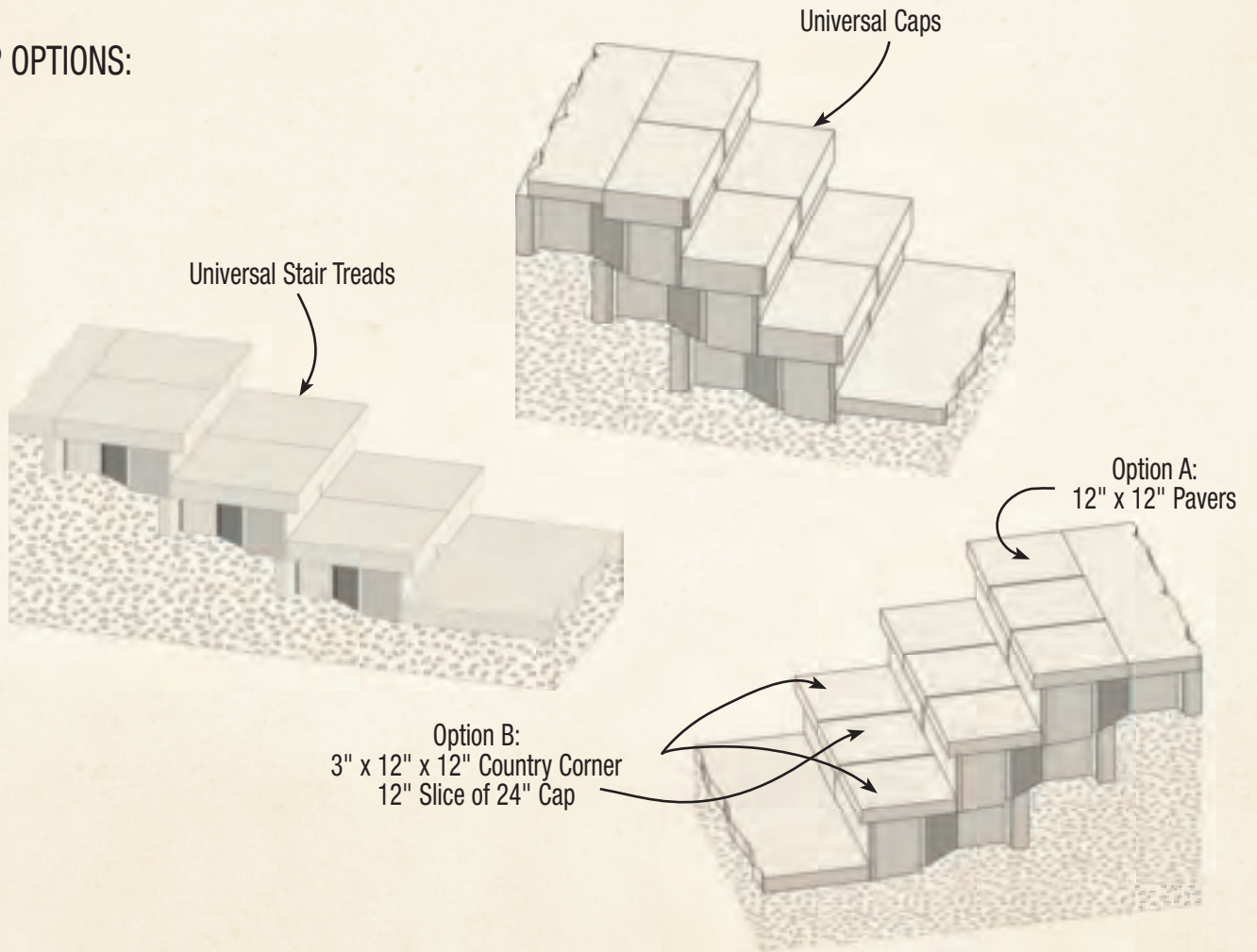
**STEP 8:** Continue steps 3 through 7 until the retaining wall is complete.



# Miter Cutting Universal Cap Units to Cap Inside and Outside 90° Corners



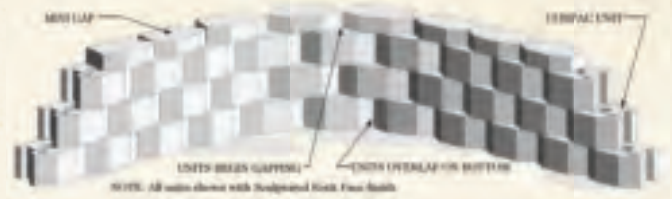
## STEP OPTIONS:



# CURVES AND CORNERS

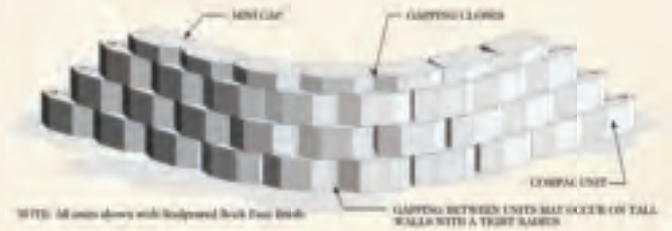
## CONCAVE CURVES INSTALLATION PROCEDURES:

1. Follow standard installation instructions for preparation of the subgrade and the leveling pad.
2. Overlap the corners of the base course. The amount of overlap will vary based on the size of the curve. Gapping will occur as the units batter or move away from the point of radius. The rate of gapping is controlled by the severity of the batter (i.e., a 1:8 batter will gap more quickly than a 1:128 batter). The distance between the pin holes of adjacent first course units should not exceed 12" on center. For best visual appearance, a maximum 1/2" to 3/4" gap is recommended.
3. Follow standard installation instructions for backfilling and placement of additional courses.
4. If geogrid reinforcement is used, refer to manufacturer's recommendations for proper placement of this material along concave curves and corners.
5. Depending on wall height, radius and batter selection, some gapping between units may occur. If gaps exceed acceptable limits, redrill new pin holes as needed, using a 5/8" masonry bit, and realign units to close the gaps.



## CONVEX CURVES INSTALLATION PROCEDURES

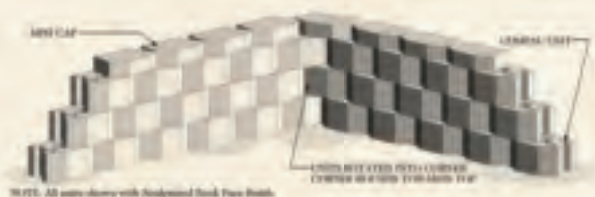
1. Follow standard installation instructions for preparation of subgrade and leveling pad.
2. Place base course units with a small gap between adjacent units. This gap will close with the placement of each additional course of Keystone units as the units batter and converge toward the point of radius. The rate of closure is controlled by the severity of the batter (i.e., a 1:8 batter will close more quickly than a 1:128 batter). A maximum of 1/2"-3/4" gap is recommended for best visual appearance. To achieve this, the distance between the pin holes on adjacent first course units should not exceed 12" on center.
3. Follow standard installation instructions for backfilling and placement of additional courses.
4. If geogrid reinforcement is used, refer to manufacturer's recommendations for proper placement of this material along convex curves.
5. Depending on wall height, radius and batter selection, some binding between units may occur. If this prohibits proper placement of additional units, try one of the following suggestions:
  - Trim unit corners using either a masonry chisel or concrete saw.
  - Push units back and realign. Redrill pin holes as needed using a 5/8" masonry bit.



## 90° OUTSIDE CORNER



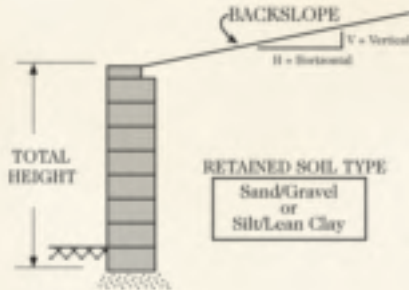
## 90° INSIDE CORNER - ROUNDED



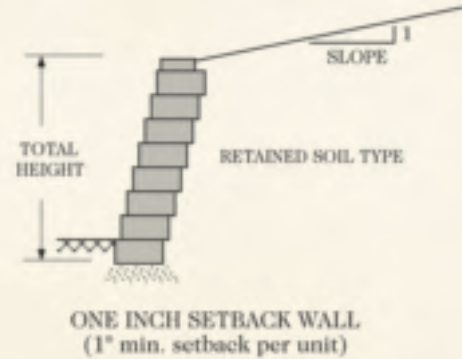


## GRAVITY WALL DESIGN CHARTS

### NEAR VERTICAL WALL



### ONE INCH SETBACK WALL



### STANDARD UNITS

MAXIMUM GRAVITY WALL HEIGHT CHART				
Near Vertical Wall	Backslope			
	Level	4H:1V	3H:1V	2H:1V
Soil Type	Level	4H:1V	3H:1V	2H:1V
Sand/Gravel	5.2' (1.6m)	4.7' (1.5m)	4.6' (1.4m)	4.1' (1.2m)
Silty Sand	4.7' (1.4m)	4.3' (1.3m)	4.1' (1.2m)	3.6' (1.1m)
Silt/Lean Clay	4.4' (1.3m)	3.9' (1.2m)	3.7' (1.1m)	2.9' (0.9m)

### COMPAC UNITS

MAXIMUM GRAVITY WALL HEIGHT CHART				
Near Vertical Wall	Backslope			
	Level	4H:1V	3H:1V	2H:1V
Soil Type	Level	4H:1V	3H:1V	2H:1V
Sand/Gravel	2.9' (0.9m)	2.3' (0.71m)	2.3' (0.71m)	2.3' (0.71m)
Silty Sand	2.3' (0.71m)	2.3' (0.71m)	1.7' (0.51m)	1.7' (0.51m)
Silt/Lean Clay	2.3' (0.71m)	1.7' (0.51m)	1.7' (0.51m)	1.0' (0.30m)

### STANDARD UNITS

MAXIMUM GRAVITY WALL HEIGHT CHART				
Near Vertical Wall	Backslope			
	Level	4H:1V	3H:1V	2H:1V
Soil Type	Level	4H:1V	3H:1V	2H:1V
Sand/Gravel	6.8' (2.1m)	6.2' (1.9m)	5.9' (1.8m)	5.3' (1.6m)
Silty Sand	6.1' (1.9m)	5.5' (1.7m)	5.2' (1.6m)	4.4' (1.3m)
Silt/Lean Clay	5.3' (1.6m)	4.5' (1.4m)	4.1' (1.2m)	3.2' (1.0m)

### COMPAC UNITS (1" SETBACK OPTION AVAILABLE IN STRAIGHT FACE AND HEWNSTONE UNITS ONLY)

MAXIMUM GRAVITY WALL HEIGHT CHART				
Near Vertical Wall	Backslope			
	Level	4H:1V	3H:1V	2H:1V
Soil Type	Level	4H:1V	3H:1V	2H:1V
Sand/Gravel	3.67' (1.20m)	3.67' (1.20m)	3.00' (0.91m)	3.00' (0.91m)
Silty Sand	3.00' (0.91m)	3.00' (0.91m)	3.00' (0.91m)	2.33' (0.71m)
Silt/Lean Clay	3.00' (0.91m)	2.33' (0.71m)	2.33' (0.71m)	<1.00' (0.30m)

## GEOGRID CHART NOTES

The Keystone geogrid charts are graphically presented to show the proper orientation and lengths of geogrids used with Standard and Compac Units at the near vertical batter.

Heights were set in two-block increments beginning at 4.3' and ending at 11'. Engineering judgement should be used when interpolating between heights. Heights under the 4.3' height shown may require geogrid reinforcement depending upon the units used, soil types and surcharge loadings.

Soil ranges were selected to approximate good, medium and poor soil conditions to concisely cover the typical design range. Wall height is the total height of the wall from leveling pad to the top of the wall. The charts assume the use of a lower strength geogrid, and can be used safely with the following materials:

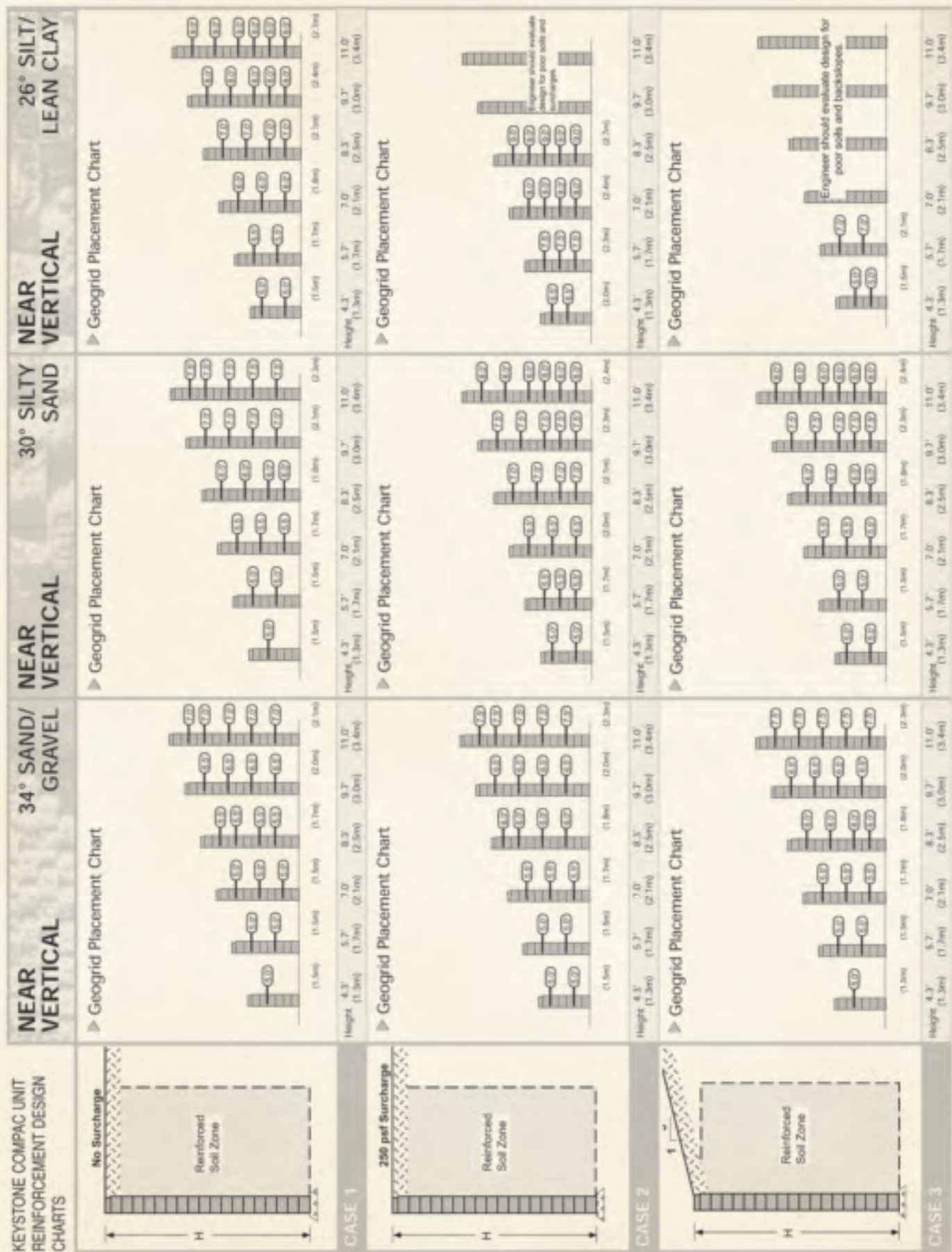
- Synteen SF35
- Stratagrid 200 by Strata Systems
- Mirafi 3XT

All geogrid lengths shown are the actual lengths of geogrids required as measured from the connection points to the end of the geogrid.

The design charts assume that the walls are constructed in accordance with Keystone specifications and good construction practice. All soils must be compacted in 8" lifts to 95% Standard Proctor density as determined by laboratory testing.

The information contained in the design charts is for preliminary design use only. A qualified professional should be consulted for final design assistance. Keystone accepts no liability for the improper use of these charts.

# DESIGN CHARTS FOR KEYSTONE COMPAC



# DESIGN CHARTS FOR KEYSTONE STANDARD

## KEYSTONE STANDARD UNIT REINFORCEMENT DESIGN CHARTS

	NEAR VERTICAL 34° SAND/ GRAVEL	NEAR VERTICAL 30° SILTY SAND	NEAR VERTICAL 26° SILT/ LEAN CLAY
<b>CASE 1</b> No Surcharge			
<b>CASE 2</b> 250 psf Surcharge			
<b>CASE 3</b> 1:3 Slope			
	<p>Geogrid Placement Chart</p> <p>Height: 4.3 (1.3m), 5.7 (1.7m), 7.0 (2.1m), 8.3 (2.5m), 9.7 (3.0m), 11.0 (3.4m)</p> <p>Geogrid Placement Chart</p> <p>Height: 4.3 (1.3m), 5.7 (1.7m), 7.0 (2.1m), 8.3 (2.5m), 9.7 (3.0m), 11.0 (3.4m)</p> <p>Geogrid Placement Chart</p> <p>Height: 4.3 (1.3m), 5.7 (1.7m), 7.0 (2.1m), 8.3 (2.5m), 9.7 (3.0m), 11.0 (3.4m)</p>	<p>Geogrid Placement Chart</p> <p>Height: 4.3 (1.3m), 5.7 (1.7m), 7.0 (2.1m), 8.3 (2.5m), 9.7 (3.0m), 11.0 (3.4m)</p> <p>Geogrid Placement Chart</p> <p>Height: 4.3 (1.3m), 5.7 (1.7m), 7.0 (2.1m), 8.3 (2.5m), 9.7 (3.0m), 11.0 (3.4m)</p> <p>Geogrid Placement Chart</p> <p>Height: 4.3 (1.3m), 5.7 (1.7m), 7.0 (2.1m), 8.3 (2.5m), 9.7 (3.0m), 11.0 (3.4m)</p>	<p>Geogrid Placement Chart</p> <p>Height: 4.3 (1.3m), 5.7 (1.7m), 7.0 (2.1m), 8.3 (2.5m), 9.7 (3.0m), 11.0 (3.4m)</p> <p>Geogrid Placement Chart</p> <p>Height: 4.3 (1.3m), 5.7 (1.7m), 7.0 (2.1m), 8.3 (2.5m), 9.7 (3.0m), 11.0 (3.4m)</p> <p>Geogrid Placement Chart</p> <p>Height: 4.3 (1.3m), 5.7 (1.7m), 7.0 (2.1m), 8.3 (2.5m), 9.7 (3.0m), 11.0 (3.4m)</p>

# PAVER & WALL STONE REFERENCE GUIDE

<b>INVENTORIED PAVERS</b>	<b>Description</b>	<b>Units Per Sq. Ft.</b>	<b>Sq. Ft. Per Cube</b>	<b>Units Per Cube</b>	<b>Weight Per Sq. Ft.</b>	<b>Weight Per Cube</b>	<b>Sq. Ft. Per Strap</b>
<b>Holland 4" x 8"</b>	2-3/8" Thick	4.5	108	486	28	3,024	18
<b>Holland 8" x 8"</b>	2-3/8" Thick	2.25	96	216	28	2,688	16
<b>Holland 12" x 12"</b>	2-3/8" Thick	1	72	72	28	2,016	18
<b>Harbor Stone &amp; Bay Stone</b>							
Mega Large Rectangle	9-1/2" x 14-1/4" x 2-3/8"	1.06	90	96	28	2,688	30
Large Square	9-1/2" x 9-1/2" x 2-3/8"	1.6	97	160	28	2,716	19.4
Extra Large Rectangle	9-1/2" x 4-3/4" x 2-3/8"	3.1	90	280	28	2,509	17.92
<b>Vintage Series - Circle Cube</b>							
Square	4-3/4" x 4-3/4" x 2-3/8"	6.3	8.85	56	28	—	—
Large Circle	4-11/16" x 4-5/16" x 2-3/8"	8.3	14.45	120	28	—	—
Small Circle	4-11/16" x 4-5/16" x 2-3/8"	8.7	1.8	16	28	—	—
Half Stone	4-3/4" x 3-5/8" x 2-3/8"	8.4	10.0	84	28	—	—
Center Stone	4-3/4" x 3-5/8" x 2-3/8"	9	0.4	4	28	—	—
Totals For Cube			35.5	280		994	
<b>Vintage Series - Square &amp; Small Rectangle Cube</b>							
Square	4-3/4" x 4-3/4" x 2-3/8"	6.3	68.6	432	28	—	—
Small Rectangle	4-3/4" x 2-7/16" x 2-3/8"	12.6	11.4	144	28	—	—
Totals For Cube			80	576		2,240	
<b>Vintage Large Rectangle Cube</b>	7-1/8" x 4-3/4" x 2-3/8"	4.2	80	336	28	—	13.33
<b>Old World Holland</b>	2-3/8" Thick	4.5	108	486	28	3,024	—
<b>Old World Vintage</b>	2-3/8" Thick	—	80 (Square Cube)	504	28	2,240	—
	2-3/8" Thick	—	80 (Lg. Rectangle Cube)	336	28	2,240	—
	2-3/8" Thick	—	90 (XL Rectangle Cube)	280	28	2,509	—
	2-3/8" Thick	—	91 (DL Rectangle Cube)	200	28	2,548	—
	2-3/8" Thick	—	97 (Lg. Square Cube)	160	28	2,716	—
<b>Old World Vintage Circle</b>	2-3/8" Thick	—	35.5 (Crate)	—	28	994	—
<b>SPECIAL ORDER PAVERS</b>							
<b>Arrowhead™</b>	2-3/8" Thick	4.8	78.75	378	28	2,205	11.25
<b>Euro Stone (Use With Arrowhead)</b>	2-3/8" Thick	3.7	102	378	28	2,856	14.57
<b>Carousel Series - Circle Cube</b>							
Square	4-1/2" x 4-1/2" x 2-3/4"	7.11	27.84	198	33	—	—
Small Rectangle	4-1/2" x 2-1/4" x 2-3/4"	14.12	.84	12	33	—	—
Large Circle	4-1/2" x 4-1/2" x 2-3/4"	8.3	23.10	192	33	—	—
Small Circle	3-3/8" x 4-1/2" x 2-3/4"	11.43	1.56	18	33	—	—
Totals For Cube			53.34	420		1,760	—
<b>Carousel Series - Square &amp; Small Rectangle Cube</b>							
Square	4-1/2" x 4-1/2" x 2-3/4"	7.11	53.16	378	33	—	—
Small Rectangle	4-1/2" x 2-1/4" x 2-3/4"	14.12	3.84	54	33	—	—
Totals For Cube			57			1,881	
<b>Carousel Series - Large Rectangle Cube</b>							
Large Rectangle	4-1/2" x 6-3/4" x 2-3/4"	4.8	80	384	33		13.33
<b>Cobblestone</b>	2-3/8" Thick	3.5	103	360	28	2,884	20.6
<b>Holland 4" x 4"</b>	2-3/8" Thick	4.5	108	486	28	3,024	18
<b>Holland 8" x 8"</b>	3-1/8" Thick	2.25	74.67	168	37	2,763	—
<b>Holland 4" x 8"</b>	3-1/8" Thick	4.5	84	378	37	3,108	16
<b>Old World Holland 8" x 8"</b>	3-1/8" Thick	2.25	74.67	168	37	2,763	—
<b>Old World Holland 4" x 8"</b>	3-1/8" Thick	4.5	84	378	37	3,108	—
<b>Old World Arrowhead</b>	2-3/8" Thick	4.8	78.75	376	28	2,205	—
<b>Old World Random</b>	2-3/8" Thick	—	96	288	28	2,407	—
<b>Old Style Symetry</b> (Use In Combination With Euro Stone)	2-3/8" Thick	3.1	93	288	28	2,604	23.25
<b>ENVIRONMENTAL PRODUCTS</b>							
<b>Eco-Brick</b>	3-1/8" Thick	3.68	76.3	—	—	2,592	—
<b>Eco-Classic/O.W. Eco-Classic</b>	3-1/8" Thick	3.68	76.3	—	—	2,719	—
<b>Geolink</b>	4"h x 12"w x 16"l	1.12	32	36	36.6	1,469	—
<b>Monoslab® Grass Paver</b>	4-1/2"h x 16"w x 24"l	0.38	95.76	36	31.65	3,031	—

	Description	Units Per Sq. Ft.	Sq. Ft. Per Cube	Units Per Cube	Weight Per Sq. Ft.	Weight Per Cube	Sq. Ft. Per Strap
<b>SPECIAL ORDER PAVERS (Continued)</b>							
<b>Symetry®</b>	2-3/8" Thick	3.4	84	288	28	2,352	21
<b>6" x 6"</b> (Use With Symetry)	2-3/8" Thick	4.1	92	378	28	2,576	13.14
<b>Symetry®</b>	3-1/8" Thick	3.4	65	224	37	2,405	18
<b>6" x 6"</b> (Use In Combination With Symetry)	3-1/8" Thick	4.1	71.4	294	37	2,642	18
<b>Durastone</b>	2-3/8" Thick	3.6	100	360	28	2,800	20
	3-1/8" Thick	3.6	78	280	37	2,886	—
<b>Omnistone</b>	2-3/8" Thick	3.5	103	360	28	2,884	20.6
<b>Honeycomb</b>	2-3/8" Thick	3.1	87	270	28	2,436	14.5
<b>Plazastone</b>	2-3/8" Thick	2.73	89	243	28	2,492	17.8
<b>Vintage Extra Large Rectangle Cube</b>	9-1/2" x 4-3/4" x 2-3/8"	3.1	90	280	28	2,509	17.92
<b>Vintage Double Large Rectangle Cube</b>	7-1/8" x 9-1/2" x 2-3/8"	2.2	91	200	28	2,548	—
<b>Vintage Large Square Cube</b>	9-1/2" x 9-1/2" x 2-3/8"	1.6	97	160	28	2,716	—

<b>INVENTORIED WALL STONES</b>	Size	Exposed Face Area	Weight (lbs.)	Units Per Cube	Weight Per Cube (lbs.)	Linear Foot Coverage
<b>Compac Units</b>						
Compac 3 Straight Split	8"h x 18"w x 11"d	1 Sq. Ft. (8" x 18")	79	36	2,844	1.5 l.f.
8" 90° Split Return Corner	8"h x 18"w x 9"d	1 Sq. Ft. (8" x 18")	86	30	2,580	—
Compac Hewnstone	8"h x 18"w x 11"d	1 Sq. Ft. (8" x 18")	86	36	3,096	1.5 l.f.
Compac Contemporary	8"h x 18"w x 11"d	1 Sq. Ft. (8" x 18")	79	36	2,844	1.5 l.f.
8" Contemporary & Hewn Return Corner	8"h x 18"w x 9"d	1 Sq. Ft. (8" x 18")	100	30	3,000	—
<b>Garden Wall</b>	4"h x 12"w x 8"d	1/3 Sq. Ft. (4" x 12")	25	96	2,352	1 l.f.
<b>Glenstone/O.W. Glenstone</b>	4"h x 12"w x 8"d	1/3 Sq. Ft. (4" x 12")	32	96	3,072	—
<b>3' Radius Glenstone/O.W. Glenstone</b>	4"h x 13-3/8"/9-1/8"w x 8"d	1/3 Sq. Ft. (4" x 12")	28	96	2,650	—
<b>4' Radius Glenstone/O.W. Glenstone</b>	4"h x 12-1/4"/9-1/8"w x 8"d	1/3 Sq. Ft. (4" x 12")	28	96	2,645	—
<b>Glenstone/O.W. Glenstone Bullnose</b>	4"h x 8"w x 12"d	0.22 Sq. Ft. (4" x 8")	29.7	96	2,858	0.67 l.f.
<b>Stonegate/O.W. Stonegate</b>						
6" Large Unit	6"h x 10"d x 16"/14"w	1 Set = 1.4 Sq. Ft. Max.	66	20 Sets/Cube	2,928	1 Set = 2.5 l.f. Max.
6" Medium Unit	6"h x 10"d x 12"/10"w		47			
6" Small Unit	6"h x 10"d x 6"/4"w		23			
<b>Verazzo Stone</b>	6"h x 10-1/2"d x 16"/12"w	1 Unit = 0.58 Sq. Ft. Avg.	73	45	3,272	1 Unit = 1.16 l.f. Avg.
<b>Verazzo Return Corner</b>	6"h x 8"d x 16"w	0.67 Sq. Ft.	62.8	48	3,015	1.33 l.f.
<b>3' Fire Pit Block/O.W. Fire Pit Block</b>	5-1/2"h x 6"d x 13-3/8"/9-1/8"w	—	38	75	2,835	—
<b>4' Fire Pit Block/O.W. Fire Pit Block</b>	5-1/2"h x 6"d x 15-1/2"/12-1/2"w	—	39	75	2,910	—
<b>Universal Cap Unit</b>	3-1/2"h x 18"w x 12"d	0.44 Sq. Ft. (3-1/2" x 18")	62	56	3,472	1.5 l.f.
<b>3" Caps/Coping</b>						
3" x 24" Cap	3"h x 12"d x 24"w	1/2 Sq. Ft. (3" x 24")	72	48	3,504	2 l.f.
<b>Country Corner</b>	3"h x 12"d x 12"w	1/4 Sq. Ft. (3" x 12")	36	96	3,504	1 l.f.
<b>Coping Stone</b>	3-7/8"w x 12 7/8" Length x 2-3/8" Thick	2.83 Pcs/Sq. Ft.	10	117	1,170	0.33 l.f.
<b>SPECIAL ORDER WALL STONES</b>						
Mini Straight Split	4"h x 18"w x 11"d	1/2 Sq. Ft. (4" x 18")	43	63	2,709	1.5 l.f.
Mini Sculptured Split	4"h x 18"w x 11"d	1/2 Sq. Ft. (4" x 18")	46	56	2,576	1.5 l.f.
Mini Cap Sculptured Split	4"h x 18"w x 11"d	1/2 Sq. Ft. (4" x 18")	46	56	2,576	1.5 l.f.
4" 90° Return Corner	4"h x 18"w x 9"d	1/2 Sq. Ft. (4" x 18")	43	60	2,580	—
Compac Cap Sculptured Split	8"h x 18"w x 11"d	1 Sq. Ft. (8" x 18")	96	32	3,072	1.5 l.f.
<b>Country Manor SE - Smooth Ends</b>						
6" Large Unit	6"h x 10"d x 16"/14"w	1 Set = 1.4 Sq. Ft. Max.	66	20 Sets/Cube	2,928	1 Set = 2.5 l.f. Max.
6" Medium Unit	6"h x 10"d x 12"/10"w		47			
6" Small Unit	6"h x 10"d x 6"/4"w		23			
3" Large Unit	3"h x 10"d x 16"/14"w	1 Set = 0.7 Sq. Ft. Max.	35	40 Sets/Cube	3,088	1 Set = 2.5 l.f. Max.
3" Medium Unit	3"h x 10"d x 12"/10"w		26			
3" Small Unit	3"h x 10"d x 6"/4"w		12			
<b>Country Manor Return Corner</b>						
6" Large Unit	6"h x 10"d x 16"/14"w	1 Set = 1.4 Sq. Ft. Max.	70	20 Sets/Cube	2,928	1 Set = 2.5 l.f. Max.
6" Medium Unit	6"h x 10"d x 12"/10"w		50			
6" Small Unit	6"h x 10"d x 6"/4"w		25			
3" Country Manor Return Corner Large	3"h x 10"d x 16"/14"w	1 Set = 0.7 Sq. Ft. Max.	36	40 Sets/Cube	3,088	1 Set = 2.5 l.f. Max.
3" Country Manor Return Corner Medium	3"h x 10"d x 12"/10"w		27			
3" Country Manor Return Corner Small	3"h x 10"d x 6"/4"w		13			
<b>Sculptured Split Face Units</b>						
Standard	8"h x 18"w x 22"d	1 Sq. Ft. (8" x 18")	116	20	2,320	1.5 l.f.
Compac Sculptured Split Face	8"h x 18"w x 11"d	1 Sq. Ft. (8" x 18")	78	36	2,808	1.5 l.f.
<b>Straight Split Face Units</b>						
Standard	8"h x 18"w x 22"d	1 Sq. Ft. (8" x 18")	128	20	2,560	1.5 l.f.
<b>Universal Stair Tread</b>	3-1/2"h x 18"w x 20"d	0.44 Sq. Ft. (3-1/2" x 18")	106	28	2,968	1.5 l.f.



PAVERS – WALL STONES

22005 Gill Rd. / Farmington Hills, MI 48335-4646  
(248) 474-3211

3285 W. Liberty / Ann Arbor, MI 48103-9795  
(734) 663-4277

[www.fendtproducts.com](http://www.fendtproducts.com)

