



TECHO-SPEC



PAVERS EDGES
OUTDOOR FEATURES SLABS
STEPS WALL
& CAPS

VOLUME
13

USA

Message from the President

Our Precious Stones are forever and so is our warranty

Techo-Bloc is proud to certify that our paving stones and retaining walls meet the latest industry standards effective in Canada and the United States of America. All Techo-Bloc manufactured landscape products comply with and surpass all applicable standards set by the CSA (Canadian Standards Association), ASTM (American Society for Testing and Materials) and the BNQ (Bureau de normalisation du Québec), acknowledged as the strictest in the world.

Techo-Bloc offers a transferable lifetime warranty on the structural integrity of all paving stones and retaining wall stones it manufactures. It covers any disintegration and/or decomposition of the above mentioned products resulting from natural causes and the abnormal deterioration of the surface due to the use of sodium chloride (NaCl) such as deicing salt.

If products prove defective we will replace these units. Techo-Bloc's responsibility is limited to its products only and not to costs related to the installation of those products. Techo-Bloc will honor this transferable warranty with a proof of purchase (invoice or delivery slip).

A handwritten signature in black ink, appearing to read 'C. Ciccarello', with a stylized flourish at the end.

Charles Ciccarello
PRESIDENT

* For warranty details and exclusions on Techo-Bloc products, please go to page 191 or visit our website at www.techo-bloc.com

For warranty details and exclusions on the Stonedge Collection products, please go to page 191 or download the digital Stonedge warranty off our website.

Table of content

INTRODUCTION

Message from the President	3
Benefits of our Precious Stones	6
What makes our stones precious	6
Techo-Bloc.com	7
Textures	8
Colors	10
Physical and geometrical characteristics	14

PAVERS

Allegro	16
Antika	17
Athena	18
Blu 80 mm Slate and Slate Aged	19
Blu 80 mm Smooth NEW	20
Blu 60 mm (6"×13") NEW	21
Elena	22
Exflo	23
Flagstone	24
Hera Square and Rectangle	25
Inflo	26
Linea NEW	27
Industria Collection NEW	28
Mista Grande	32
Mista Random Permeable	33
Mista Square	34
Olympia Circle	35
Olympia Random	36
Olympia Square	37
Parisien Square and rectangle	38
Parisien Circle	39
Permea	40
Rotondo	41
San Marino NEW	42
Trias	43
Victorien 60 mm and 80 mm	44
Victorien 60 mm Permeable	45
Villagio	46
Villagio Grande	47

SLABS

Aberdeen	49
Blu 60 mm Slate or Slate Aged	51
Blu 60 mm Smooth NEW	52
Blu Grande Slate or Smooth NEW	53
Inca	54
Maya Slab	55
Mezzo NEW	56
Monticello	57
Royale	59
Travertina NEW	60

WALLS

Escala 3.5" Wall	62
Manchester	63
Mini-Creta 3"	64
Mini-Creta 3" Architectural	65
Mini-Creta 6"	66
Mini-Creta 6" Architectural	67
Pillar 24" Mini-Creta	68
Pillar 28" Mini-Creta	69
Pillar 24" Mini-Creta Architectural	70
Monumental Wall	71
Monumental Base and 90° Corners	72
Monumental Cap	73
Muro Naturale 6"	74
Quarry Stone 100 mm	75
Quarry Stone 200 mm	76
Semma	77
Semma Corners or Pillar	78
Suprema	79

STEPS AND CAPS

STEPS

Maya Step	81
Röcka Steps	82
York 60" Step	83

CONCRETE OVERLAY SYSTEM

Blu 45 mm	84
Venetian Step Overlay System	85

CAPS

Antique 14" Step	86
Aged Cap	87
Bali Travertina Pool coping NEW	88
Bullnose Cap	89
Escala 3.5" Cap	90
Muro Naturale	91
Niagara Cap	92
Piedimonte Cap NEW	93
Portofino Cap	94
Prima 14" Cap	95
Stonedge Pillar Cap	96
Vega Counter Top NEW	97
York Pillar Caps	98
York Wall Caps NEW	99
York Counter Top	100

EDGES

Avignon	102
Belgik	103
Pietra	104
Tundra	105

ACCESSORIES

Foyer Harvest Gold	107
Foyer Oceana	108
Valencia Fire pit	109
Grill Island	110

INSTALLATION GUIDE

Interlocking Concrete Pavement	112
Segmental Permeable Pavement	114
Slabs	118
Walls	120
Monumental wall	139
Steps	145
Concrete Overlay System	147
Pool Coping	148
Edges	149
Valencia Fire Pit	151
Foyer	152
Grill Island 6 ft.	156
Grill Island 8 ft.	157
Grill Island 10 ft.	158
Grill Island 12 ft.	159
Pillars	160

TECHNICAL GUIDELINES

Wall design charts - Summary of characteristics without geogrid	165
Wall with geogrid	
Mini-Creta 6"	168
Quarry Stone 200 mm	171
Semma	174
Suprema	177
Monumental (without geogrid)	180
Decoratives Mozaïks	188
Warranty	191
Color Chart	192
Wall design charts Preliminary design assistance	195

LEGEND



TECHO-BLOC WARRANTY



USE VIBRATING PLATE



STONEDGE WARRANTY



DO NOT USE VIBRATING PLATE



DEICING SALT RESISTANT



PERMEABLE PAVERS

Benefits of our Precious Stones

What makes our stones precious

FULL COLOR PIGMENTATION THROUGHOUT THE STONE. THE COLOR WILL NOT FADE.

We use iron-oxide pigments to achieve a thermodynamically stable and consistent natural color throughout our stone. The iron-oxide pigments are resistant to the sun's rays and will not discolor over time.

DEICING SALT RESISTANT

You can rest assure that the use of deicing salt will not alter or damage the structural integrity of your Techo-Bloc paver. Included in our warranty.

WE EXCEED ALL AMERICAN AND CANADIAN INDUSTRY STANDARDS

OUR PRECIOUS STONES ARE THE BENCHMARK FOR QUALITY.

- ASTM International (C936 M-09)
- ASTM International (1372)
- CSA (A231.2-M95)
- BNQ (N.Q.2624.120)

TRANSFERABLE LIFETIME WARRANTY

A transferable warranty is an attractive benefit if you decide to sell your home. Techo-Bloc stands by its products and values your satisfaction.

* For warranty details and exclusions on Techo-Bloc products, please go to page 191 or visit our website at www.techo-bloc.com

For warranty details and exclusions on the Stonedge Collection products, please go to page 191 or download the digital Stonedge warranty off our website.

Techo-Bloc.com

Ressources guide



www.youtube.com/techobloc



www.twitter.com/techobloc



www.facebook.com/techobloc



- STEP 1 <http://sketchup.google.com/3dwarehouse/>
- STEP 2 Type "Techo-Bloc"
- STEP 3 Change "model" to "collection"
- STEP 4 Click on "search"



Techo-Bloc Apps

- Manage your list of contracts
- Inspire your clients with over 500 project images
- View product information in the catalog
- Automatically measure and plan the job site
- Generate a list of required materials
- Locate a nearby dealer
- Consult the Spec Book
- Educate your staff by viewing over 250 installation videos

DOWNLOAD THE USER GUIDE AT:
www.techo-bloc.com/app



AVAILABLE FOR APPLE® AND
ANDROID® PRODUCTS

Textures

Inspired by thousands of years of nature's work, our textures inject life into our Precious Stones. Raw and robust or finely decorated and refined, allow yourself to be tempted by the variety and possibilities they offer. Inspire your imagination.

PAVERS

LATEST TEXTURES Slate, Sculpted, Beveled



BLU (slate)



FLAGSTONE (slate)



MISTA (multi-textured)



PERMEA (beveled)



VILLAGIO (beveled)



VILLAGIO GRANDE (beveled)



OLD WORLD Undulated and Aged



ALLEGRO



ATHENA AND ELENA



HERA



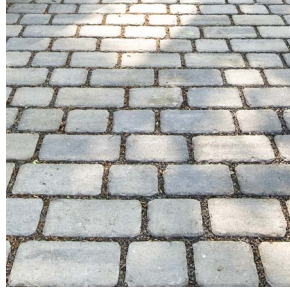
OLYMPIA



PERMEABLE PAVERS



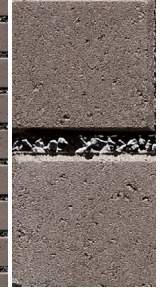
MISTA (multi-textured)



PERMEA (beveled)



VICTORIEN PERMEABLE (smooth)



TRADITIONALS Smooth and /or Aged



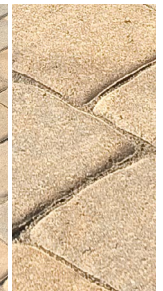
ANTIKA (smooth and aged)



TRIAS (smooth and aged)



PARISIEN (smooth)



VICTORIEN (smooth)



LINEA (smooth)



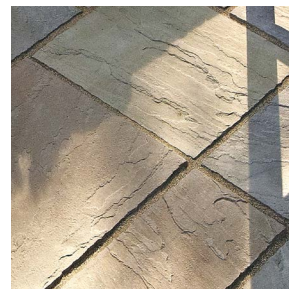
SLABS
NATURAL TEXTURES



ABERDEEN



INCA



MONTICELLO



Colors

COLORS

Techo-Bloc's signature pallet of natural hues creates beauty that is more than skin deep. Pigments are blended right into the mix, making pavements brilliant throughout, not just near the surface. Choose a solid color, or create a diversified look with a 3-color blend. Techo-Bloc uses thermodynamically stable iron-oxide pigments, so the color of each individual unit will not fade or wear off when exposed to the elements.

COLOR VARIATION

Comprised of natural ingredients, pavement units vary slightly in color depending on environmental conditions. Therefore, colors shown are approximate representations of standard colors and shouldn't be expected to be an exact match.

EFFLORESCENCE

Efflorescence is a natural phenomenon that appears in the form of white powdery film on the pavement surface. Consisting of mostly calcium carbonate, it does not affect the structural integrity of the pavement. Although efflorescence cannot be prevented, it will disappear over time or it can be cleaned with an efflorescence cleaner.

LAYING TECHNIQUES

Proper installation enhances the overall color of pavement. Pavement units should be selected from at least two pallets and then randomly mixed. This creates an attractive and subtle blending of color.

TECHO-BLOC COLORS

01	SANDLEWOOD	Mix of tan and charcoal
07	GREY	Grey
08	SHALE GREY	Mix of grey and charcoal
10	CHARCOAL	Charcoal
11	RED	Red
13	RED & BLACK	Mix of red and charcoal
16	MOJAVE BEIGE	Mix of brown and tan
21	CHAMPLAIN GREY	Mix of grey, charcoal and tan
27	ONYX BLACK	Dark charcoal
39	HARVEST GOLD	Mix of chocolate brown, light cream and gold
40	CHESTNUT BROWN	Mix chocolate brown and light cream
41	AUTUMN RED	Mix of deep red, tan and gold
42	OCEANA	Mix of charcoal, light green and light grey
43	CHOCOLATE BROWN	Dark brown
58	NICKEL	Light grey with light coloured aggregates

01 SANDLEWOOD



07 GREY



08 SHALE GREY



10 CHARCOAL



13 RED & BLACK



16 MOJAVE BEIGE



21 CHAMPLAIN GREY



27 ONYX BLACK



39 HARVEST GOLD



40 CHESTNUT BROWN



41 AUTUMN RED



42 OCEANA



43 CHOCOLATE BROWN



58 NICKEL



01 SANDLEWOOD



08 SHALE GREY



16 MOJAVE BEIGE



21 CHAMPLAIN GREY



39 HARVEST GOLD



40 CHESTNUT BROWN



41 AUTUMN RED



42 OCEANA



Stonedge

COLLECTION

STONEDGE COLLECTION COLOURS

24	VICTORIA	Mix of light grey, charcoal, brown and rust
25	RIVIERA	Mix of dark grey, charcoal, brown, light green and rust
27	ONYX BLACK	Dark charcoal
37	ROCK GARDEN BROWN	Mid-light brown
38	ARIZONA GOLD	Mix of tan brown, charcoal and yellow moss
43	CHOCOLATE BROWN	Dark brown
44	IVORY	Mix of yellow and cream
46	AZZURRO	Light blue
47	BAJA BEIGE	Mix of light tan and brown highlights
48	OLIVE	Light green
60	GALAXIE BLACK	Dark charcoal with multicolored exposed aggregates



Physical and geometrical characteristics

All interlocking pavers, slabs and walls manufactured by Techo-Bloc follow strict regulations in their components, be it sand, stone, cement or color. They are all vigorously tested for maximum quality control. Techo-Bloc pavers are manufactured with zero slump concrete and cured in a controlled environment. All pavers must meet the following standards: ASTM C936 and CSA A231.2 which are recognized as the strictest in the world. The main components of these standards can be summarized as follows:

INTERLOCKING CONCRETE PAVEMENT

CHARACTERISTICS	ASTM C936	TECHO-BLOC
Compressive strength	8000 psi [55 MPa] at 28 days	8000 psi at 28 days
Durability to freeze thaw cycles	Total mass loss after 50 cycles, no greater than 1%	Total mass loss after 50 cycles, no greater than 1%
Water absorption	Lower than 5%	Lower than 5%
Dimension tolerance	± 1/8" [3.2 mm] height ± 1/16" [1.6 mm] length and width	± 1/8" height ± 1/16" length and width
CHARACTERISTICS	CSA A231.2	TECHO-BLOC
Compressive strength	7200 psi [50 MPa] min.	7200 psi [50 MPa] min.
Freeze-thaw durability with use of deicing salt	Loss of 0.046 lb/ft ² [225 g/m ²] max. at 28 cycles Loss of 0.102 lb/ft ² [500 g/m ²] max. at 49 cycles	Loss of 0.046 lb/ft ² [225 g/m ²] max. at 28 cycles Loss of 0.102 lb/ft ² [500 g/m ²] max. at 49 cycles
Water absorption	-	5% (max.)
Dimension tolerance	± 1/8" [3 mm] height -1/32" [1 mm] to +1/16" [2 mm] length and width	± 1/8" [3 mm] height -1/32" [1 mm] to +1/16" [2 mm] length and width

SLABS

CHARACTERISTICS	CSA A231.1	TECHO-BLOC
Compressive strength	-	6500 psi [45 MPa] min.
Flexural strength	650 psi [4.5 MPa] min.	650 psi [4.5 MPa] min.
Freeze-thaw durability with use of deicing salt	Loss of 0.102 lb/ft ² [500 g/m ²] max. at 28 cycles Loss of 0.246 lb/ft ² [1200 g/m ²] max. at 49 cycles	Loss of 0.102 lb/ft ² [500 g/m ²] max. at 28 cycles Loss of 0.246 lb/ft ² [1200 g/m ²] max. at 49 cycles
Water absorption	-	5% (max.)
Dimension tolerance	± 1/8" [3 mm] height -1/32" [1 mm] to +1/16" [2 mm] length and width	± 1/8" [3 mm] (height) -1/32" [1 mm] to +1/16" [2 mm] length and width
Warpage	± 1/16" [2 mm] Dimension of 17 1/16" [450 mm] and less ± 1/8" [3 mm] Dimension over 17 1/16" [450 mm]	± 2 mm ± 3 mm

WALLS

CHARACTERISTICS	WALLS (OTHER THAN "MONUMENTAL")		"MONUMENTAL" WALL	
	ASTM C 1372 ⁴	TECHO-BLOC	MTQ ⁵	TECHO-BLOC
Compressive strength	3000 psi [21 MPa] min.	5050 psi [35 MPa] min.	5050 psi [35 MPa] min.	5050 psi [35 MPa] min.
Durability to freeze thaw cycles	after 100 cycles 1 % (max.)	after 100 cycles 1 % (max.)	after 49 cycles 0.123 lb/ft ²	after 49 cycles 0.123 lb/ft ²
Mass loss	after 150 cycles 1.5 % (max.)	after 150 cycles 1.5 % (max.)	[0.60 kg/m ²] max	[0.60 kg/m ²] max
Water absorption	13 lb/ft ³ [208 kg/m ³] max	9 lb/ft ³ [144 kg/m ³] max.	-	9 lb/ft ³ [144 kg/m ³] max.
Dimension tolerance ¹	length	± 1/8" [3 mm]	± 1/8" [3 mm]	± 1/8" [3 mm]
	width	± 1/8" [3 mm]	± 1/8" [3 mm]	± 1/8" [3 mm]
	height	± 1/8" [3 mm]	± 1/16" [1.5 mm]	± 1/8" [3 mm]

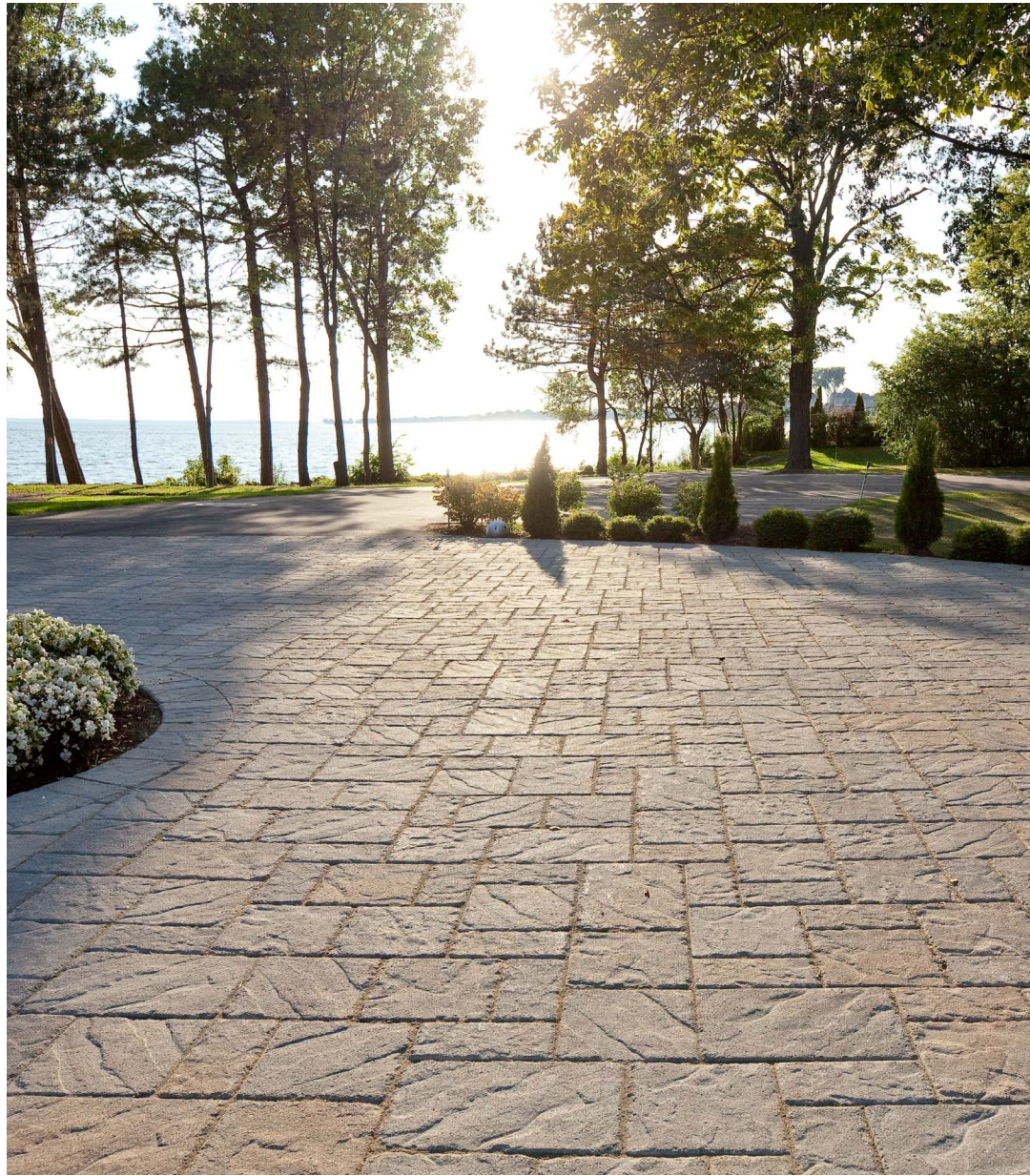
Notes : 1. The dimension tolerance is not applicable to split facings or other architectural finish.

2. CSA A231.2, Precast concrete pavers

3. CSA A231.1, Precast concrete paving slabs

4. ASTM C 1372, Standard Specification for Dry-Cast Segmental Retaining Wall Units

5. MTQ, requirement according to the *Ministère des Transports du Québec* standard for certified walls.



PAVERS





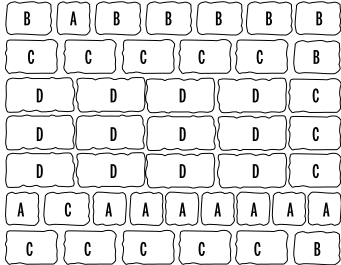
Allegro

DESCRIPTION: Paver
CODE: 0010
TEXTURE: Undulated and Aged



PAVERS

PALLET OVERVIEW 0010



Specifications per pallet	Imperial	Metric
Cubing	129.80 ft.²	12.06 m ²
Weight	3610 lbs	1637 kg
Number of rows	11	
	11.80 ft. ² /row	1.096 m ² /row

APPLICATIONS

Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

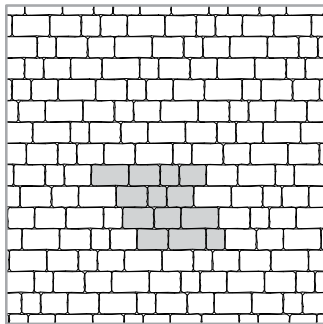
The Allegro paver allows for gentle curves and winding pathways eliminating the need for cuts.

NOTES

See page 112 for more technical information and installation details.

	Unit dimensions	in	mm	Units/pallet
	Thickness	2 ³ / ₈	60	99 units
	Width	5 ⁵ / ₁₆	135	
	Length	4 ¹¹ / ₁₆	119	
	Thickness	2 ³ / ₈	60	88 units
	Width	5 ⁵ / ₁₆	135	
	Length	6 ¹¹ / ₁₆	170	
	Thickness	2 ³ / ₈	60	154 units
	Width	5 ⁵ / ₁₆	135	
	Length	7 ¹³ / ₁₆	198	
	Thickness	2 ³ / ₈	60	132 units
	Width	5 ⁵ / ₁₆	135	
	Length	9 ³ / ₈	238	

01 | Linear pattern



- 01 sandlewood
001001
- 08 shale grey
001008
- 16 mojave beige
001016
- 21 champlain grey
001021
- 39 harvest gold
001039
- 40 chestnut brown
001040
- 41 autumn red
001041
- 42 oceana
001042



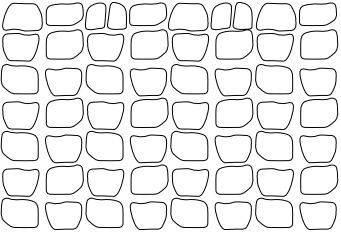


Antika

DESCRIPTION: Paver
CODE: 0030
TEXTURE: Smooth and Aged



PALLET OVERVIEW 0030



APPLICATIONS

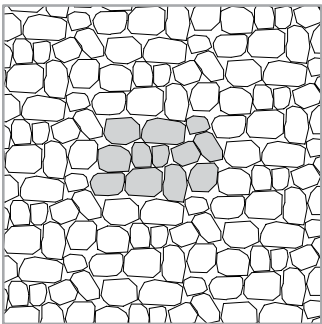
Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

The Antika paver is perfect as a filler in a circle, around a fan design or on a winding pathway. Antika can also be used as a mosaic frame around any design.



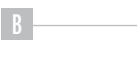











NOTES

See page 112 for more technical information and installation details.

01 | Random pattern



Specifications per pallet	Imperial	Metric
Cubing	87 ft.²	8.10 m ²
Weight	2230 lbs	1012 kg
Number of rows	9	
	9.67 ft. ² /row	0.90 m ² /row

	Unit dimensions	in	mm
	Thickness	2 3/8	60
	Width	-	-
	Length	-	-
	Thickness	2 3/8	60
	Width	-	-
	Length	-	-
	Thickness	2 3/8	60
	Width	-	-
	Length	-	-
	Thickness	2 3/8	60
	Width	-	-
	Length	-	-
	Thickness	2 3/8	60
	Width	-	-
	Length	-	-
	Thickness	2 3/8	60
	Width	-	-
	Length	-	-
	Thickness	2 3/8	60
	Width	-	-
	Length	-	-



01 sandlewood 003001 **08** shale grey 003008 **40** chestnut brown 003040





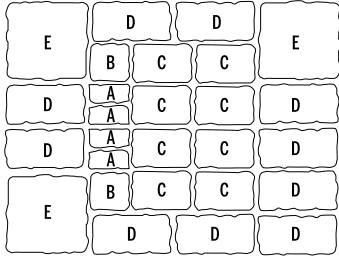
Athena

DESCRIPTION: Paver
CODE: 0040
TEXTURE: Undulated and Aged



PAVERS

PALLET OVERVIEW 0040









APPLICATIONS

Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

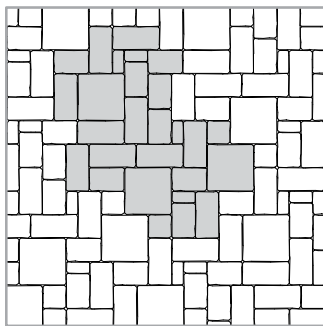
NOTES

See page 112 for more technical information and installation details.

Specifications per pallet	Imperial	Metric
Cubing	116.50 ft.²	10.83 m ²
Weight	3515 lbs	1594 kg
Number of rows	10	
	11.65 ft.²/row	1.08 m ² /row

	Unit dimensions	in	mm	Units/pallet
 A	Thickness	2 9/16	65	40 units
	Width	5 7/8	150	
	Length	2 15/16	75	
B	Thickness	2 9/16	65	20 units
	Width	5 7/8	150	
	Length	5 7/8	150	
C	Thickness	2 9/16	65	80 units
	Width	5 7/8	150	
	Length	8 7/8	225	
D	Thickness	2 9/16	65	100 units
	Width	5 7/8	150	
	Length	11 13/16	300	
E	Thickness	2 9/16	65	30 units
	Width	11 13/16	300	
	Length	11 13/16	300	

01 | Modular pattern



- 01 sandlewood
004001
- 08 shale grey
004008
- 16 mojave beige
004016
- 21 champlain grey
004021
- 39 harvest gold
004039
- 40 chestnut brown
004040
- 41 autumn red
004041
- 42 oceana
004042





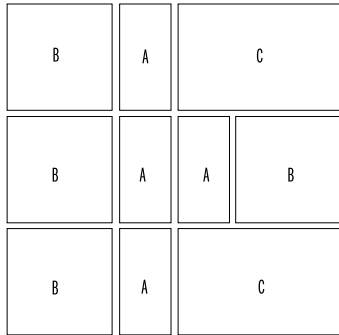
Blu

80 mm Slate and Slate Aged

DESCRIPTION: Pavers
CODE: 1121 (slate)
 0161 (slate aged)
TEXTURE: Slate or Slate Aged



PALLET OVERVIEW 1121 - 0161



Specifications per pallet	Imperial	Metric
Cubing	84.96 ft.²	7.90 m ²
Weight	3110 lbs	1411 kg
Number of rows	8	
	10.62 ft. ² /row	0.99 m ² /row

	Unit dimensions	in	mm	Units/pallet
A	Thickness	3 1/8	80	32 units
	Width	13	330	
	Length	6 1/2	165	
B	Thickness	3 1/8	80	32 units
	Width	13	330	
	Length	13	330	
C	Thickness	3 1/8	80	16 units
	Width	13	330	
	Length	19 1/2	495	

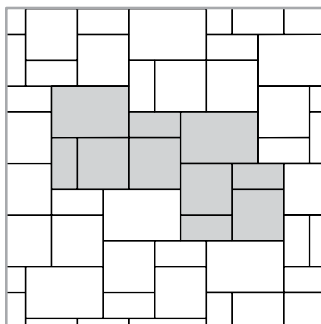
APPLICATIONS

Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

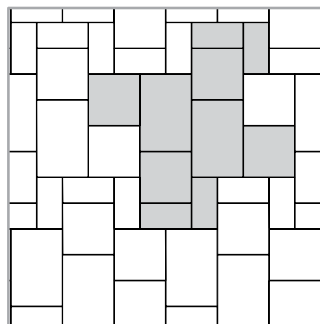
NOTES

See page 112 for more technical information and installation details.

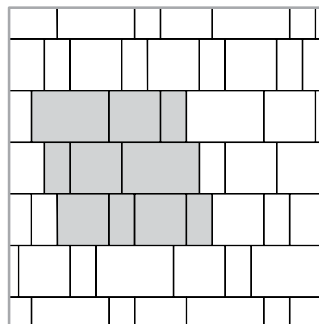
01 | Modular pattern



02 | Modular pattern



03 | Linear pattern



- 01 sandlewood**
slate 112101
aged 016101
- 08 shale grey**
slate 112108
aged 016108
- 16 mojava beige**
slate 112116
aged 016116
- 21 champlain grey**
slate 112121
aged 016121
- 39 harvest gold**
slate 112139
aged 016139
- 40 chestnut brown**
slate 112140
aged 016140
- 41 autumn red**
slate 112141
aged 016141
- 42 oceana**
slate 112142
aged 016142





Blu

80 mm Smooth or Polished

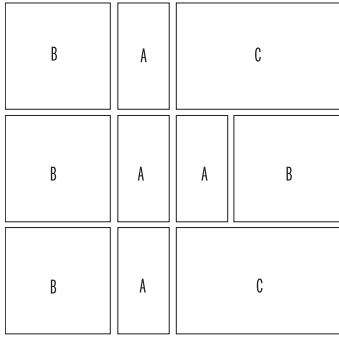
DESCRIPTION: Pavers
CODE: 2040 (smooth)
 2042 (polished)
TEXTURE: Smooth or Polished



PAVERS

NEW PRODUCTS

PALLET OVERVIEW 2040 - 2042



(2040) SMOOTH

(2042) POLISHED

Specifications per pallet	Imperial	Metric
Cubing	84.96 ft.²	7.90 m ²
Weight	3 152 lbs	1 430 kg
Number of rows	8	
	10.62 ft. ² /row	0.99 m ² /row
	9.75 lin ft./row	2.97 lin m/row

Specifications per pallet	Imperial	Metric
Cubing	84.96 ft.²	7.90 m ²
Weight	3 110 lbs	1 411 kg
Number of rows	8	
	10.62 ft. ² /row	0.99 m ² /row
	9.75 lin ft./row	2.97 lin m/row

APPLICATIONS

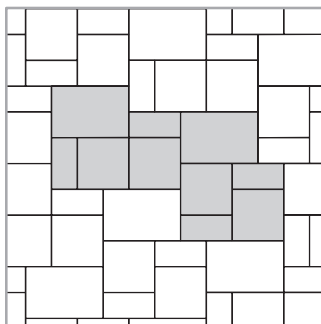
Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

NOTES

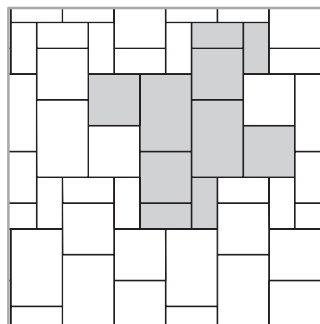
See page 111 for more technical information and installation details.

	Unit dimensions	in	mm	Units/pallet
A	Thickness	3 1/8	80	32 units
	Width	13	330	
	Length	6 1/2	165	
B	Thickness	3 1/8	80	32 units
	Width	13	330	
	Length	13	330	
C	Thickness	3 1/8	80	16 units
	Width	13	330	
	Length	19 1/2	495	

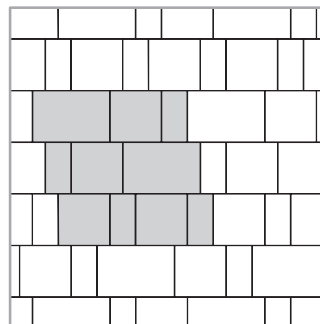
01 | Modular pattern



02 | Modular pattern



03 | Linear pattern



SMOOTH

POLISHED

08 shale grey smooth 204008 40 chestnut brown smooth 204040 42 oceana smooth 204042

08 shale grey polished 204208 40 chestnut brown polished 204240 42 oceana polished 204242





Blu

60 mm (6"×13")

DESCRIPTION: Paver and Slab

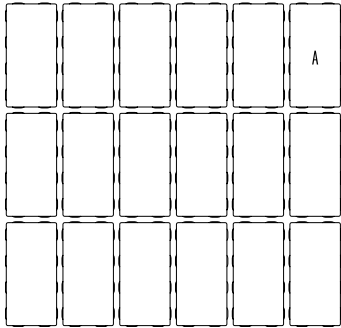
CODE: 2430

TEXTURE: Slate



NEW PRODUCT

PALLET OVERVIEW 2430



Specifications per pallet	Imperial	Metric
Cubing	116.05 ft.²	10.78 m ²
Weight	3230 lbs	1465 kg
Number of rows	11	
	10.55 ft. ² /row	0.98 m ² /row

Specifications Half-pallet*	Imperial	Metric
Cubing	63.30 ft.²	5.88 m ²
Weight	1778 lbs	807 kg
Number of rows	6	
	10.55 ft. ² /row	0.98 m ² /row

APPLICATIONS

Pedestrian or light vehicular traffic, patios and swimming pool decks. Can be installed in a soldier and sailor course.

NOTES

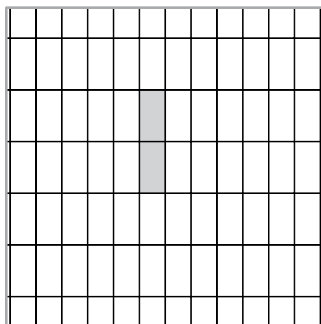
* Onyx black and chocolate brown are only available in half-pallets.

See page 112 for more technical information and installation details

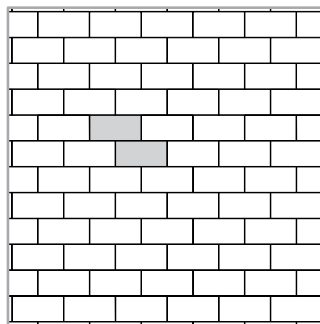


Unit dimensions	in	mm	Units/pallet
Thickness	2 3/8	60	198 units
Width	13	330	
Length	6 1/2	165	

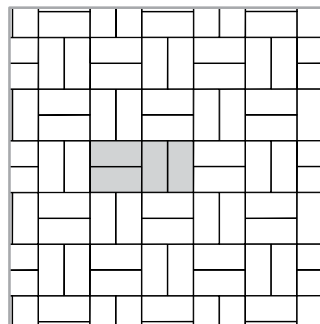
01 | Linear pattern



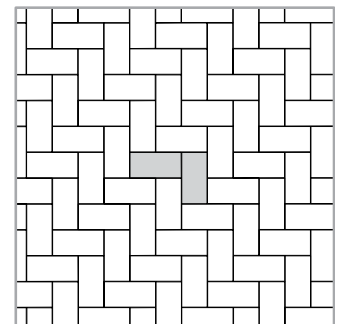
02 | Linear pattern



03 | Linear pattern



04 | Herringbone pattern



- 01 sandlewood 243001
- 08 shale grey 243008
- 16 mojave beige 243016
- 21 champlain grey 243021
- 27 onyx black* 243027
- 38 harvest gold 243039
- 40 chestnut brown 243040
- 41 autumn red 243041
- 43 chocolate brown* 243043





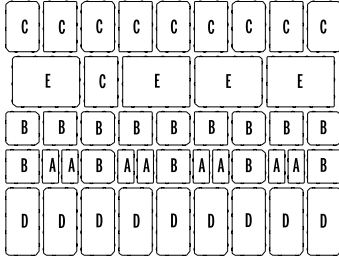
Elena

DESCRIPTION: Paver
CODE: 0060
TEXTURE: Undulated and Aged



PAVERS

PALLET OVERVIEW 0060



Specifications per pallet	Imperial	Metric
Cubing	125.52 ft.²	11.67 m ²
Weight	3580 lbs	1624 kg
Number of rows	12	
	10.46 ft. ² /row	0.97 m ² /row

APPLICATIONS






Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

CHARACTERISTICS

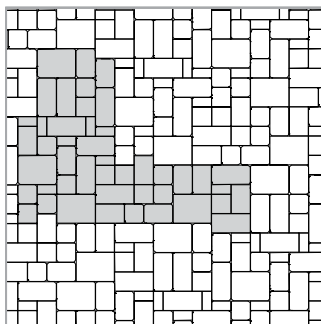
The Elena paving stone has the same texture as the Athena, although the Elena units are smaller in size.

NOTES

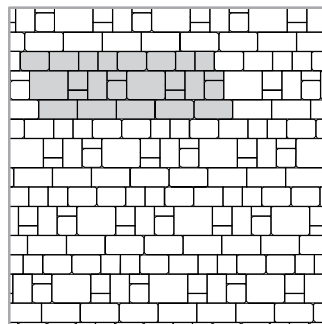
See page 112 for more technical information and installation details.

	Unit dimensions	in	mm	Units/pallet
 A	Thickness	2 ³ / ₈	60	96 units
	Width	4 ¹⁵ / ₁₆	125	
	Length	2 1/2	63	
 B	Thickness	2 ³ / ₈	60	168 units
	Width	4 ¹⁵ / ₁₆	125	
	Length	4 ¹⁵ / ₁₆	125	
 C	Thickness	2 ³ / ₈	60	120 units
	Width	4 ¹⁵ / ₁₆	125	
	Length	7 ³ / ₈	188	
 D	Thickness	2 ³ / ₈	60	108 units
	Width	4 ¹⁵ / ₁₆	125	
	Length	9 ¹³ / ₁₆	250	
 E	Thickness	2 ³ / ₈	60	48 units
	Width	7 ³ / ₈	188	
	Length	9 ¹³ / ₁₆	250	

01 | Modular pattern



02 | Linear pattern



01 sandlewood 006001 **08** shale grey 006008 **16** mojave beige 006016 **21** champlain grey 006021



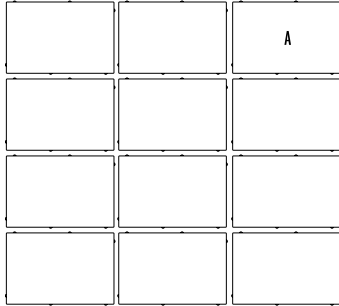


Exflo

DESCRIPTION: Paver
CODE: 1160
TEXTURE: Smooth



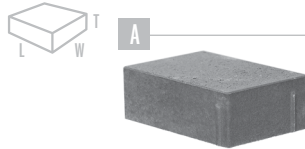
PALLET OVERVIEW 1160



Specifications per pallet	Imperial	Metric
Cubing	62 ft.²	5.76 m ²
Weight	2860 lbs	1297 kg
Number of rows	8	
	7.75 ft. ² /row	0.72 m ² /row

PAVERS

Unit dimensions	in	mm	Units /pallet
	Thickness	3 ¹⁵ / ₁₆	
Width	7 ⁷ / ₈	200	
Length	11 ¹³ / ₁₆	300	



APPLICATIONS

Industrial, commercial and municipal pavement projects. Crosswalks subject to ESALs (Equivalent Single Axle Loads).

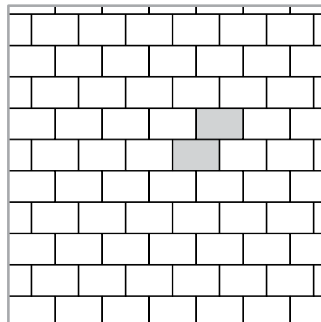
CHARACTERISTICS

- Aspect Ratio (length to thickness) 3 to 1 provides superior repetitive traffic and ESAL performance.
- Reduced chamfer for a smoother paved surface. Eases plowing and reduces vibration.
- Surface is ADA (Americans with Disabilities Act compliant) firm, stable, and skid resistant.
- Contributes to reduction of the Urban Heat Island Effect. SRI (Solar Reflectivity Index) values available upon request.
- Vertical Interlock: 100 mm (4") of ASTM C33 sand in the 2 to 4 mm wide joints.
- Rotational interlock: 3 to 1 aspect ratio with 100 mm (4") thick units. Horizontal interlock: Can be laid in Herringbone pattern.

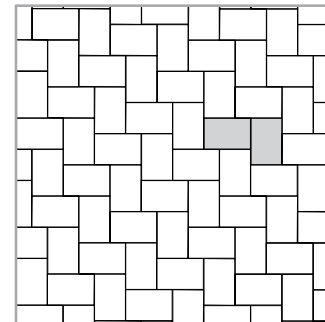
NOTES

See page 112 for more technical information and installation details.

01 | Linear pattern



02 | Herringbone pattern



08 | shale grey 116008
 40 | chestnut brown 116040





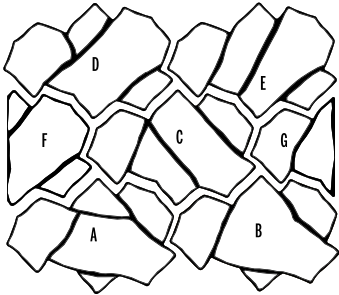
Flagstone

DESCRIPTION: Paver
CODE: 1150
TEXTURE: Slate



PAVERS

PALLET OVERVIEW 1150



Specifications per pallet	Imperial	Metric
Cubing	81.60 ft.²	7.58 m ²
Weight	2960 lbs	1343 kg
Number of rows	8	
	10.20 ft. ² /row	0.95 m ² /row

APPLICATIONS




Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

The Flagstone paving stone can easily adorn the interior of a circle.

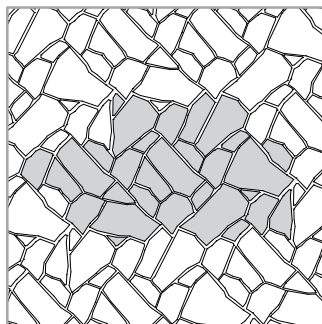
NOTES

When the half units are placed together they form a regular size unit.

See page 112 for more technical information and installation details.

	Unit dimensions	in	mm	Units/pallet
	Thickness	3 1/8	80	40 units
	Width	16 3/16	411	
	Length	23 11/16	602	
	Thickness	3 1/8	80	8 units
	Width	16 3/16	411	
	Length	11 7/8	301	
	Thickness	3 1/8	80	8 units
	Width	13 15/16	354	
	Length	11 7/8	301	

01 | Modular pattern



- 01** sandlewood
115001
- 16** mojave beige
115016
- 21** champlain grey
115021
- 39** harvest gold
115039
- 40** chestnut brown
115040
- 42** oceana
115042





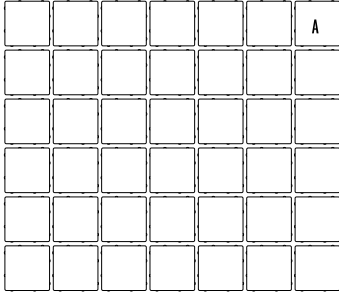
Hera

Square and Rectangle

DESCRIPTION: Pavers
CODE: 0070 (square)
 0080 (rectangle)
TEXTURE: Undulated and Aged



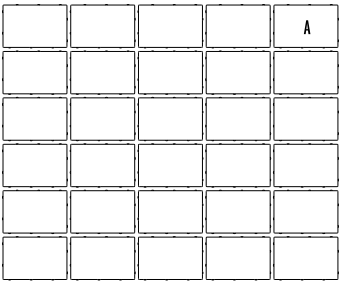
PALLET OVERVIEW 0070 square



CUBING
(0070) SQUARE

Specifications per pallet		Imperial	Metric
Cubing		124.20 ft.²	11.54 m ²
	Weight	3540 lbs	1606 kg
	Number of rows	11	
		11.29 ft. ² /row	1.05 m ² /row
Half-pallet*	Cubing	56.45 ft.²	5.25 m ²
	Number of rows	5	
	Weight	1560 lbs	708 kg

PALLET OVERVIEW 0080 rectangle



RECTANGLE
(0080) RECTANGLE

	Unit dimensions		in	mm	Units/pallet
	Thickness	2 3/8	60	462 units	
	Width	6 1/4	158	3.72 units/ft. ²	
	Length	6 1/4	158	40 units/m ²	

Specifications per pallet		Imperial	Metric
Cubing		134.20 ft.²	12.47 m ²
	Weight	3850 lbs	1746 kg
	Number of rows	11	
		12.20 ft. ² /row	1.13 m ² /row
Half-pallet*	Cubing	61 ft.²	5.67 m ²
	Number of rows	5	
	Weight	1755 lbs	796 kg

APPLICATIONS

Pedestrian or light vehicular traffic, residential driveways, patios, borders and swimming pool decks.

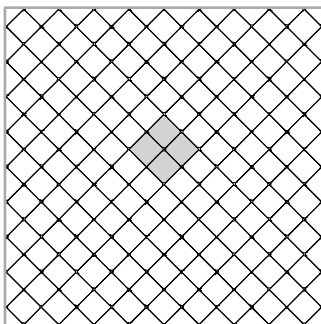
NOTES

* Onyx black and chocolate brown are only available in half-pallet.

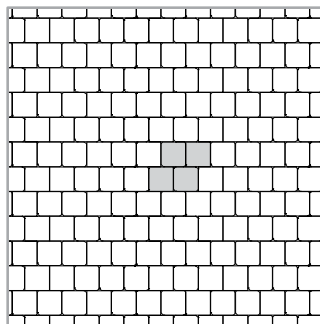
See page 112 for more technical information and installation details.

	Unit dimensions		in	mm	Units/pallet
	Thickness	2 3/8	60	330 units	
	Width	6 1/4	158	2.47 units/ft. ²	
	Length	9 3/8	238	26.50 units/m ²	

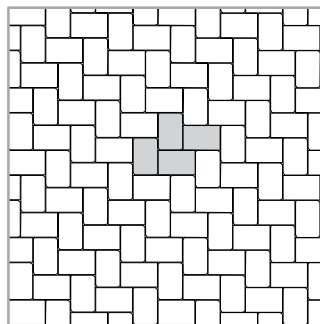
01 | Linear pattern
Checkerboard 45° | 100% square



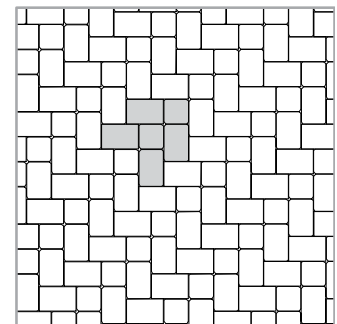
02 | Linear pattern
100% square



03 | Herringbone pattern
100% rectangle



04 | Herringbone pattern
75% rectangle | 25% square



- 01** sandlewood square 007001 rectangle 008001
- 08** shale grey square 007008 rectangle 008008
- 16** mojave beige square 007016 rectangle 008016
- 21** champlain grey square 007021 rectangle 008021
- 27** onyx black* square 007027 rectangle 008027
- 39** harvest gold square 007039 rectangle 008039
- 40** chestnut brown square 007040 rectangle 008040
- 41** autumn red square 007041 rectangle 008041
- 42** oceana square 007042 rectangle 008042
- 43** chocolate brown* square 007043 rectangle 008043



PAVERS



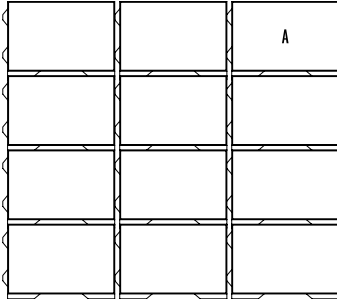
Inflo

DESCRIPTION: Paver
CODE: 1820
TEXTURE: Smooth



PAVERS

PALLET OVERVIEW 1820



Specifications per pallet	Imperial	Metric
Cubing	62 ft.²	5.76 m ²
Weight	2620 lbs	1189 kg
Number of rows	8	
	7.75 ft. ² /row	0.72 m ² /row
Void space : 5.8%		
Joint width	1/2"	13 mm

APPLICATIONS

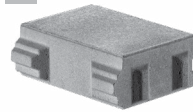
- For industrial, commercial and municipal paving projects.
- LEED® Projects.
- Reduces stormwater runoff to municipal sewers.
- Eliminates the need for retention basins and optimizes the use of land.

CHARACTERISTICS

- Mechanical connection (tongue and groove system).
- 6000 to 8000 sq. ft. can be installed per day with the TB100SI and a team of 5 persons.
- Maintains its interlocking properties, over time and under heavy traffic loads.

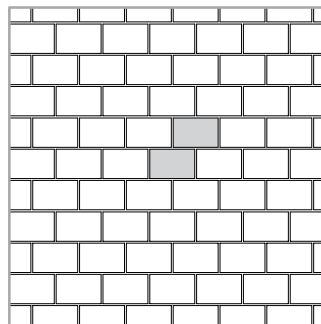
NOTES

See page 114 for the permeable Paver Installation Guide.



Unit dimensions	in	mm	Units/pallet
Thickness	3 ¹⁵ / ₁₆	100	96 units
Width	7 ⁷ / ₈	200	
Length	11 ¹³ / ₁₆	300	

01 | Linear pattern



08 shale grey 182008 40 chestnut brown 182040

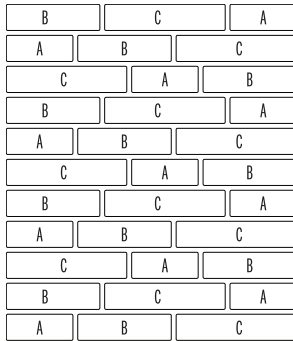


Linea

Small rectangles and Large rectangles

NEW PRODUCTS

PALLET OVERVIEW 1290 - small rectangles



APPLICATIONS

Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

NOTES

* Onyx black and chocolate brown are only available in half-pallets.

See page 111 for more technical information and installation details

DESCRIPTION: Pavers
CODE: 1290 (small rectangles)
 1280 (large rectangles)
TEXTURE: Smooth



(1290) SMALL RECTANGLES

Specifications per pallet		Imperial	Metric
Cubing		80.81 ft.²	7.51 m ²
Weight		3 696 lbs	1 677 kg
Number of rows		7	
		11.54 ft.²/row	1.07 m ² /row
Half-pallet*	Cubing	46.18 ft.²	4.29 m ²
	Number of rows	4	
	Weight	2 131 lbs	967 kg

Unit dimensions	in	mm	Units/pallet	
A	Thickness	3 ¹⁵ / ₁₆	100	77 units
	Width	3 ¹⁵ / ₁₆	100	
	Length	8 ⁷ / ₈	225	
B	Thickness	3 ¹⁵ / ₁₆	100	77 units
	Width	3 ¹⁵ / ₁₆	100	
	Length	12 ¹³ / ₁₆	325	
C	Thickness	3 ¹⁵ / ₁₆	100	77 units
	Width	3 ¹⁵ / ₁₆	100	
	Length	16 ³ / ₄	425	

(1280) LARGE RECTANGLES

Specifications per pallet		Imperial	Metric
Cubing		77.14 ft.²	7.17 m ²
Weight		3 601 lbs	1 633 kg
Number of rows		11	
		11.02 ft.²/row	1.02 m ² /row
Half-pallet*	Cubing	44.08 ft.²	4.10 m ²
	Number of rows	6	
	Weight	2 036 lbs	923 kg

Unit dimensions	in	mm	
A	Thickness	3 ¹⁵ / ₁₆	100
	Width	5 ⁷ / ₈	150
	Length	8 ⁷ / ₈	225
B	Thickness	3 ¹⁵ / ₁₆	100
	Width	5 ⁷ / ₈	150
	Length	12 ¹³ / ₁₆	325
C	Thickness	3 ¹⁵ / ₁₆	100
	Width	5 ⁷ / ₈	150
	Length	16 ³ / ₄	425

- 01 sandlewood
small 129001
large 128001
- 08 shale grey
small 129008
large 128008
- 21 champlain grey
small 129021
large 128021
- 27 onyx black*
small 129027
large 128027
- 40 chestnut brown
small 129040
large 128040
- 41 autumn red
small 129041
large 128041
- 43 chocolate brown*
small 129043
large 128043



Industria

200 Series

PAVERS

DESCRIPTION: Pavers
TEXTURE: Smooth, Granitex or Polished

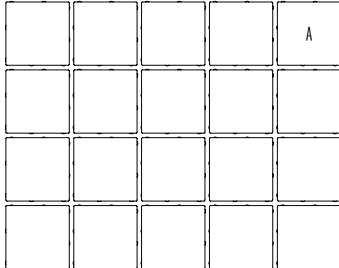
CODES

SMOOTH	GRANITEX	POLISHED
200x200 1210	200x200 1213	200x200 1212
200x400 1200	200x400 1203	200x400 1202

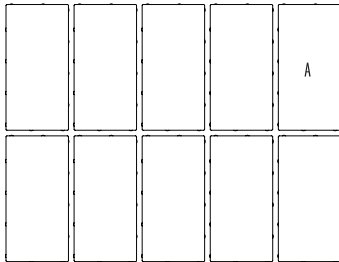


NEW PRODUCTS

PALLET OVERVIEW 200x200



PALLET OVERVIEW 200x400



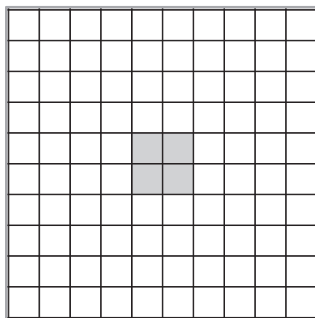
APPLICATIONS

A contemporary paver, intended for commercial and municipal pedestrian use, Industria is available in a variety of sizes allowing for great design flexibility, giving each project an exclusive appearance.

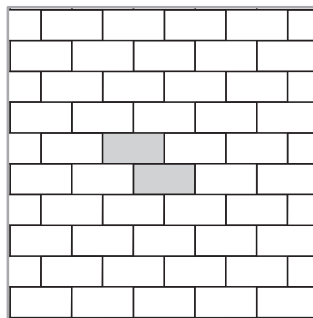
NOTES

See page 112 for more technical information and installation details.

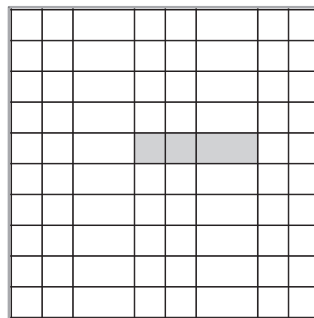
01 | Linear pattern
100 % 200x200



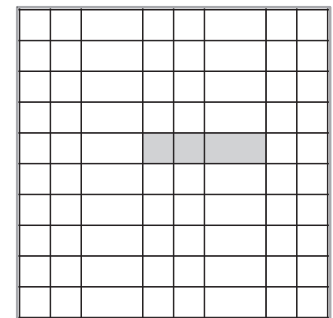
02 | Linear pattern
100 % 200x400



03 | Linear pattern
50 % 200x200 | 50 % 200x400



04 | Linear pattern
60 % 200x200 | 40 % 200x400



07 grey **10 charcoal** **27 onyx black** **58 nickel**



Specifications per pallet	Imperial	Metric
	Cubing	60.28 ft.²
Weight	2848 lbs	1292 kg
Number of rows	7	
	8.61 ft. ² /row	0.80 m ² /row

Unit dimensions	in	mm	Units /pallet
	Thickness	3 ¹⁵ / ₁₆	100
Width	7 ⁷ / ₈	200	
Length	7 ⁷ / ₈	200	

Specifications per pallet	Imperial	Metric
	Cubing	60.28 ft.²
Weight	2848 lbs	1292 kg
Number of rows	7	
	8.61 ft. ² /row	0.80 m ² /row

Unit dimensions	in	mm	Units /pallet
	Thickness	3 ¹⁵ / ₁₆	100
Width	7 ⁷ / ₈	200	
Length	15 ³ / ₄	400	

Industria

300 Series

CODES

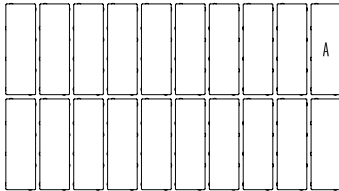
DESCRIPTION: Pavers
TEXTURE: Smooth, Granitex or Polished

SMOOTH	GRANITEX	POLISHED
300x100 1240	300x100 1243	300x100 1242
300x150 1220	300x150 1223	300x150 1222
300x300 1180	300x300 1183	300x300 1182

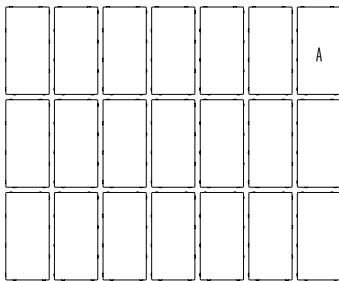


NEW PRODUCTS

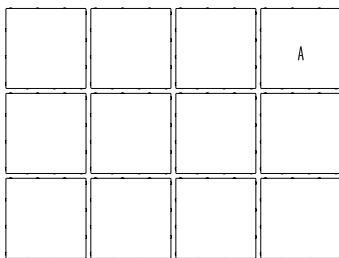
PALLET OVERVIEW 300x100



PALLET OVERVIEW 300x150



PALLET OVERVIEW 300x300



APPLICATIONS

A contemporary paver, intended for commercial and municipal pedestrian use, Industria is available in a variety of sizes allowing for great design flexibility, giving each project an exclusive appearance.

NOTES

See page 112 for more technical information and installation details.

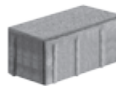
07 grey 10 charcoal 27 onyx black 58 nickel



300x100	Specifications per pallet	Imperial	Metric
	Cubing		45.21 ft.²
Weight		2145 lbs	973 kg
Number of rows		7	
		6.46 ft. ² /row	0.60 m ² /row



A



Unit dimensions	in	mm	Units /pallet
Thickness	3 ¹⁵ / ₁₆	100	140 units
Width	11 ¹³ / ₁₆	300	
Length	3 ¹⁵ / ₁₆	100	

300x150	Specifications per pallet	Imperial	Metric
	Cubing		71.20 ft.²
Weight		3357 lbs	1523 kg
Number of rows		7	
		10.17 ft. ² /row	0.95 m ² /row



A



Unit dimensions	in	mm	Units /pallet
Thickness	3 ¹⁵ / ₁₆	100	147 units
Width	11 ¹³ / ₁₆	300	
Length	5 ⁷ / ₈	150	

300x300	Specifications per pallet	Imperial	Metric
	Cubing		81.38 ft.²
Weight		3832 lbs	1738 kg
Number of rows		7	
		11.63 ft. ² /row	1.08 m ² /row



A



Unit dimensions	in	mm	Units /pallet
Thickness	3 ¹⁵ / ₁₆	100	84 units
Width	11 ¹³ / ₁₆	300	
Length	11 ¹³ / ₁₆	300	

Industria

600 Series

PAVERS

CODES

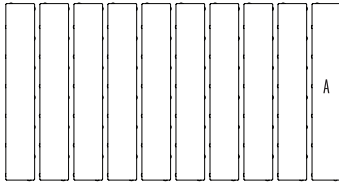
DESCRIPTION: Pavers
TEXTURE: Smooth, Granitex or Polished

SMOOTH	GRANITEX	POLISHED
600x100 1230	600x100 1233	600x100 1232
600x200 1190	600x200 1193	600x200 1192
600x300 1250	600x300 1253	600x300 1252

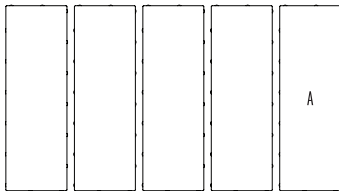


NEW PRODUCTS

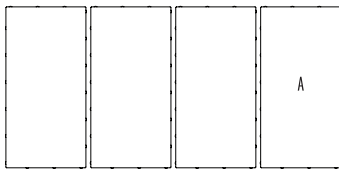
PALLET OVERVIEW 600x100



PALLET OVERVIEW 600x200



PALLET OVERVIEW 600x300



APPLICATIONS

A contemporary paver, intended for commercial and municipal pedestrian use, Industria is available in a variety of sizes allowing for great design flexibility, giving each project an exclusive appearance.

NOTES

See page 112 for more technical information and installation details.

Specifications per pallet	Imperial	Metric
	Cubing	45.21 ft.²
Weight	2145 lbs	973 kg
Number of rows	7	
	6.46 ft. ² /row	0.60 m ² /row

Unit dimensions	in	mm	Units /pallet
	Thickness	3 ¹⁵ / ₁₆	
Width	23 ⁵ / ₈	600	
Length	3 ¹⁵ / ₁₆	100	

Specifications per pallet	Imperial	Metric
	Cubing	45.21 ft.²
Weight	2145 lbs	973 kg
Number of rows	7	
	6.46 ft. ² /row	0.60 m ² /row

Unit dimensions	in	mm	Units /pallet
	Thickness	3 ¹⁵ / ₁₆	
Width	23 ⁵ / ₈	600	
Length	7 ⁷ / ₈	200	

Specifications per pallet	Imperial	Metric
	Cubing	54.25 ft.²
Weight	2567 lbs	1164 kg
Number of rows	7	
	7.75 ft. ² /row	0.72 m ² /row

Unit dimensions	in	mm	Units /pallet
	Thickness	3 ¹⁵ / ₁₆	
Width	23 ⁵ / ₈	600	
Length	11 ¹³ / ₁₆	300	

07 grey 10 charcoal 27 onyx black 58 nickel



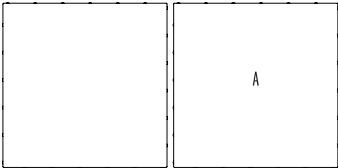


Industria

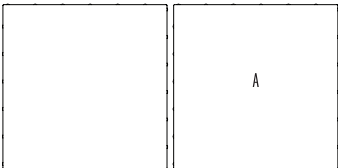
600 Series

NEW PRODUCTS

PALLET OVERVIEW 600×600×100 PAVER



PALLET OVERVIEW 600×600×60 SLAB



APPLICATIONS

A contemporary paver, intended for commercial and municipal pedestrian use, Industria is available in a variety of sizes allowing for great design flexibility, giving each project an exclusive appearance.

NOTES

600×600×100 Paver:

See page 112 for more technical information and installation details.

600×600×60 Slab:

See page 118 for more technical information and installation details.

DESCRIPTION: Pavers and Slabs
TEXTURE: Smooth, Granitex or Polished

CODES

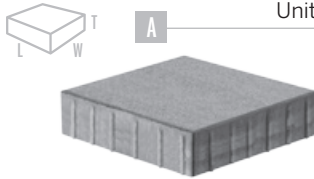
SMOOTH	GRANITEX	POLISHED
paver 1260 slab 1270	paver 1263 slab 1273	paver 1262 slab 1272



Specifications per pallet	Imperial	Metric
	Cubing	54.25 ft.²
Weight	2567 lbs	1164 kg
Number of rows	7	
	7.75 ft. ² /row	0.72 m ² /row

PAVER 600×600×100

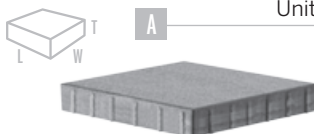
Unit dimensions	in	mm	Units /pallet
	Thickness	3 ¹⁵ / ₁₆	
Width	23 ⁵ / ₈	600	
Length	23 ⁵ / ₈	600	



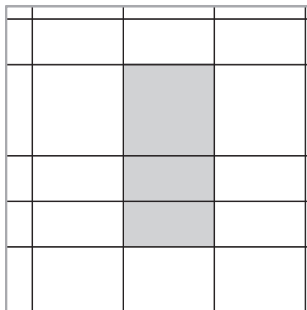
Specifications per pallet	Imperial	Metric
	Cubing	54.25 ft.²
Weight	1555 lbs	705 kg
Number of rows	7	
	7.75 ft. ² /row	0.72 m ² /row

SLAB 600×600×60

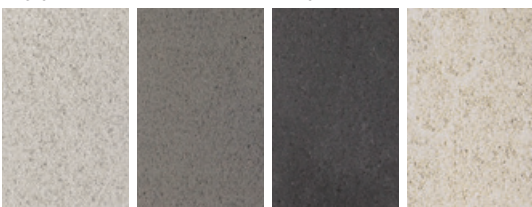
Unit dimensions	in	mm	Units /pallet
	Thickness	2 ³ / ₈	
Width	23 ⁵ / ₈	600	
Length	23 ⁵ / ₈	600	



01 | Linear pattern
50 % 600×300 | 50 % 600×300



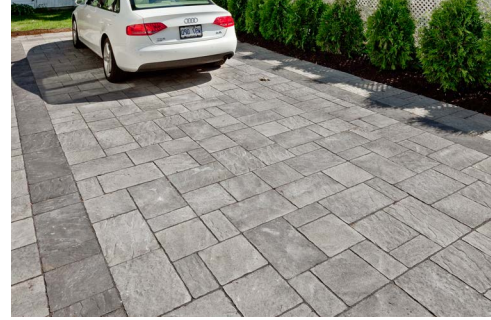
07 grey 10 charcoal 27 onyx black 58 nickel





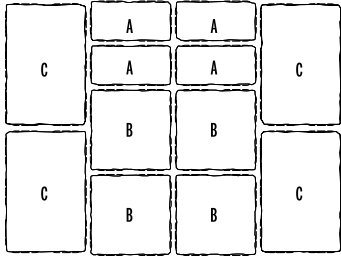
Mista Grande

DESCRIPTION: Paver
CODE: 1142
TEXTURE: Multi-Textured



PAVERS

PALLET OVERVIEW 1142



Specifications per pallet	Imperial	Metric
Cubing	93.04 ft.²	8.65 m ²
Weight	3474 lbs	1576 kg
Number of rows	8	
	11.63 ft. ² /row	1.08 m ² /row

APPLICATIONS

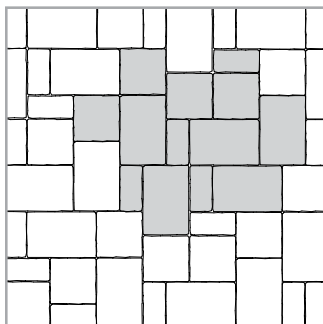
Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

NOTES

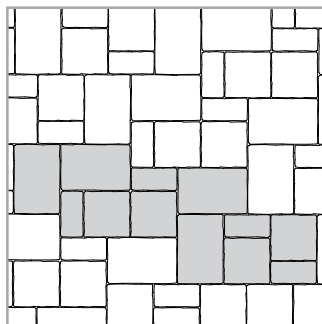
See page 112 for more technical information and installation details.

	Unit dimensions	in	mm	Units/pallet
A	Thickness	3 1/8	80	32 units
	Width	11 13/16	300	
	Length	5 7/8	150	
B	Thickness	3 1/8	80	32 units
	Width	11 13/16	300	
	Length	11 13/16	300	
C	Thickness	3 1/8	80	32 units
	Width	11 13/16	300	
	Length	17 11/16	450	

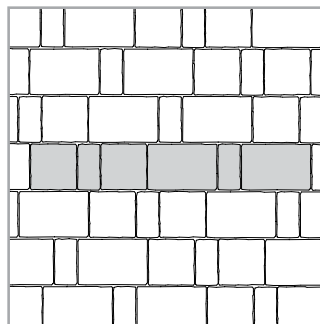
01 | Modular pattern



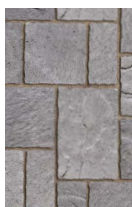
02 | Modular pattern



03 | Linear pattern



08 | shale grey
114208



27 | onyx black
114227



39 | harvest gold
114239



40 | chesnut brown
114240



43 | chocolate brown
114243



21 | champlain grey
114221





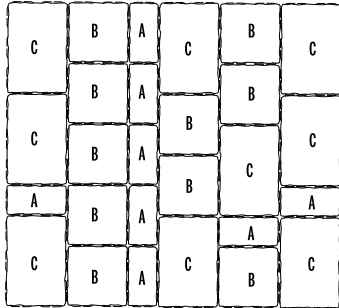
Mista

Random Permeable

DESCRIPTION: Paver
CODE: 1140
TEXTURE: Multi-textured



PALLET OVERVIEW 1140







Specifications per pallet	Imperial	Metric
Cubing	116.20 ft.²	10.80 m ²
Weight	3450 lbs	1565 kg
Number of rows	10	
	11.62 ft. ² /row	1.08 m ² /row
Void space : 6.3%		
Joint width	3/16" to 9/16"	4 to 14 mm

APPLICATIONS

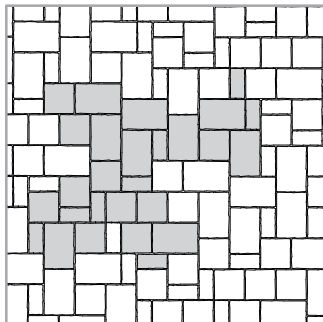
Mista pavers can be used in permeable applications for driveways, pathways, swimming pool decks and patios. Permeable pavers allow for storm water drainage and manage excess runoff. The use of permeable pavers also facilitates LEED® certification easier to obtain.

NOTES

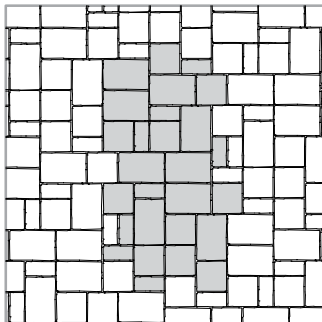
See page 112 for more technical information and installation details and page 114 when used as a permeable application.

	Unit dimensions	in	mm	Units/pallet
 A	Thickness	2 9/16	65	80 units
	Width	7 7/8	200	
	Length	3 15/16	100	
B	Thickness	2 9/16	65	100 units
	Width	7 7/8	200	
	Length	7 7/8	200	
C	Thickness	2 9/16	65	90 units
	Width	7 7/8	200	
	Length	11 13/16	300	

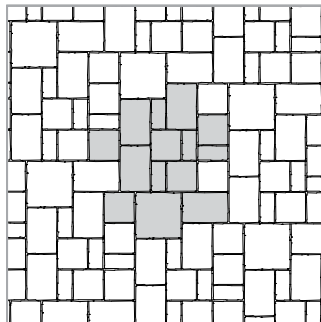
01 | Modular pattern
100% Mista random



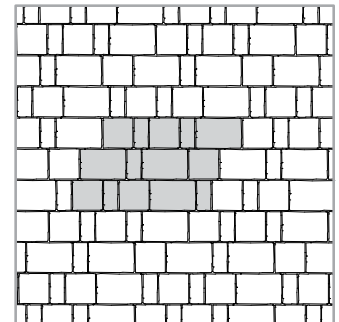
02 | Modular pattern
100% Mista random



03 | Modular pattern
85% Mista random | 15% Mista square



04 | Linear pattern
100% Mista random



- 01** sandlewood 114001
- 08** shale grey 114008
- 16** mojave beige 114016
- 21** champlain grey 114021
- 39** harvest gold 114039
- 40** chestnut brown 114040
- 41** autumn red 114041
- 42** oceana 114042





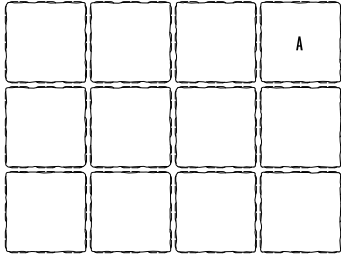
Mista Square

DESCRIPTION: Paver
CODE: 1141
TEXTURE: Multi-textured



PAVERS

PALLET OVERVIEW 1141



Specifications per pallet	Imperial	Metric
Cubing	116.20 ft.²	10.80 m ²
Weight	3450 lbs	1565 kg
Number of rows	10	
	11.62 ft.²/row	1.08 m²/row



Unit dimensions	in	mm	Units/pallet
Thickness	2 ⁹ / ₁₆	65	120 units
Width	11 ¹³ / ₁₆	300	
Length	11 ¹³ / ₁₆	300	

APPLICATIONS

Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

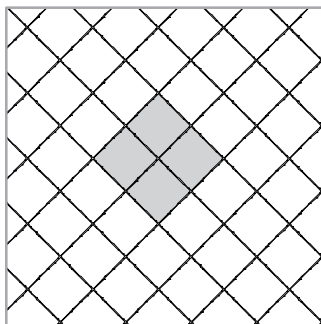
The Mista square can serve as a border for all paving stones, particularly for the Athena paver which is also 65 mm.

NOTES

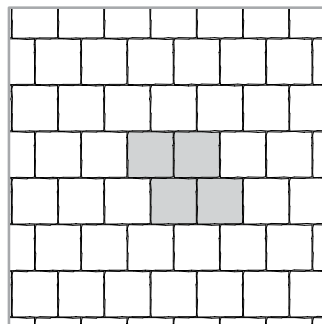
The Mista square is not permeable unless combined with the Mista random.

See page 112 for more technical information and installation details.

01 | Linear pattern
Checkerboard 45°



02 | Linear pattern



- 01 sandlewood
114101
- 08 shale grey
114108
- 16 mojava beige
114116
- 21 champlain grey
114121
- 39 harvest gold
114139
- 40 chestnut brown
114140
- 41 autumn red
114141
- 42 oceana
114142



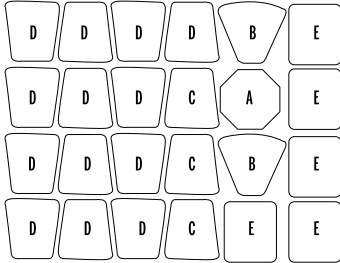


Olympia Circle

DESCRIPTION: Paver
CODE: 0132
TEXTURE: Undulated and Aged



PALLET OVERVIEW 0132



APPLICATIONS

Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

NOTES

1 pallet creates one full or 2 half-circles. Material left over from one skid after completion of circle:

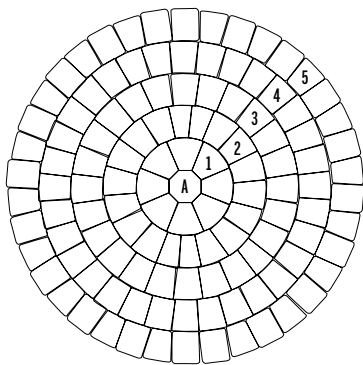
A : 5 **B** : 4 **C** : 1 **D** : 13 **E** : 2

To expand the circle, use Olympia random (3 pcs) in a stringer (soldier) pattern around the perimeter. Continue until the desired diameter is achieved.

See page 112 for more technical information and installation details.

Specifications per pallet	Imperial	Metric
Cubing	59 ft.²	5.48 m ²
Weight	2630 lbs	1193 kg
Number of rows	6	
	9.83 ft. ² /row	0.91 m ² /row
Circle diameter	8' 8"	2.64 m

		Unit dimensions	in	mm	Units/pallet
OCTAGON A		Thickness	3 1/8	80	6 units
		Width	-	-	
		Length	-	-	
BIG RADIUS B		Thickness	3 1/8	80	12 units
		Width	-	-	
		Length	-	-	
MEDIUM RADIUS C		Thickness	3 1/8	80	18 units
		Width	-	-	
		Length	-	-	
SMALL RADIUS D		Thickness	3 1/8	80	78 units
		Width	-	-	
		Length	-	-	
RECTANGLE E		Thickness	3 1/8	80	30 units
		Width	-	-	
		Length	-	-	



ROW	UNIT	DIAMETER	
		in.	(cm)
Center	A=1	9.50	(24)
1	B=8	28.35	(72)
2	C=17	47.25	(120)
3	D=24	66.15	(168)
4	D=21, E=10	85	(216)
5	D=20, E=18	104	(264)

- 01** sandlewood 013201
- 08** shale grey 013208
- 16** mojave beige 013216
- 21** champlain grey 013221
- 39** harvest gold 013239
- 40** chestnut brown 013240
- 41** autumn red 013241
- 42** oceana 013242



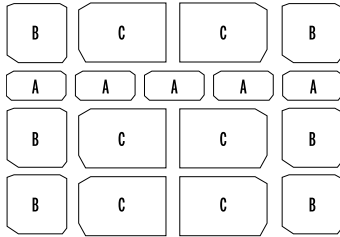
Olympia

Random

DESCRIPTION: Paver
CODE: 0130
TEXTURE: Undulated and Aged



PALLET OVERVIEW 0130



Specifications per pallet	Imperial	Metric
Cubing	86.32 ft.²	8.02 m ²
Weight	3260 lbs	1478 kg
Number of rows	8	
	10.79 ft.²/row	1 m ² /row

APPLICATIONS

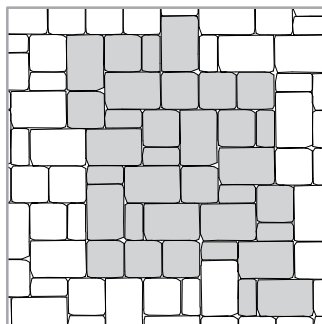
Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

NOTES

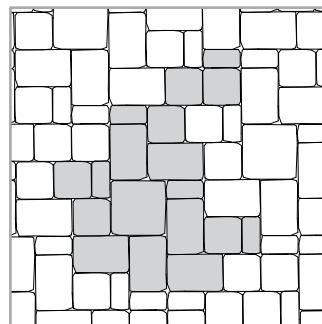
See page 112 for more technical information and installation details.

	Unit dimensions	in	mm	Units/pallet
 	Thickness	3 1/8	80	40 units
	Width	9 7/16	239	
	Length	4 11/16	119	
 	Thickness	3 1/8	80	48 units
	Width	9 7/16	239	
	Length	9 7/16	239	
 	Thickness	3 1/8	80	48 units
	Width	9 7/16	239	
	Length	14 1/8	359	

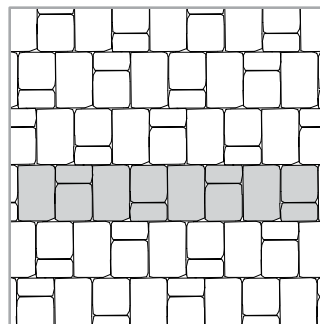
01 | Modular pattern
100% Olympia random



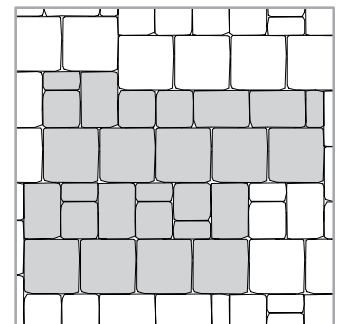
02 | Modular pattern
90% Olympia random |
10% Olympia square



03 | Linear pattern
100% Olympia random



04 | Linear pattern
55% Olympia square |
45% Olympia random



- 01** sandlewood
013001
- 08** shale grey
013008
- 16** mojave beige
013016
- 21** champlain grey
013021
- 39** harvest gold
013039
- 40** chestnut brown
013040
- 41** autumn red
013041
- 42** oceana
013042



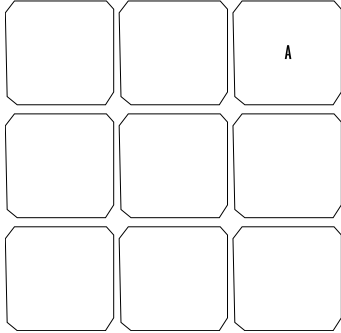


Olympia Square

DESCRIPTION: Paver
CODE: 0131
TEXTURE: Undulated and Aged



PALLET OVERVIEW 0131



Specifications per pallet	Imperial	Metric
Cubing	99.68 ft.²	9.26 m ²
Weight	3690 lbs	1673 kg
Number of rows	8	
	12.46 ft.²/row	1.16 m²/row

PAVERS



Unit dimensions	in	mm	Units/pallet
Thickness	3 1/8	80	72 units
Width	14 1/8	359	
Length	14 1/8	359	

APPLICATIONS

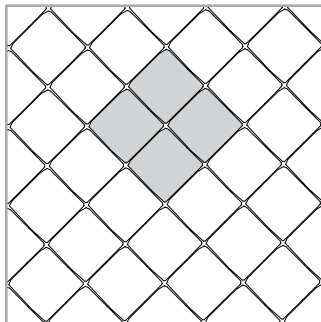
Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

Perfect as a border. You may also choose to design a large square, in our landscape design, to draw attention to a particular area.

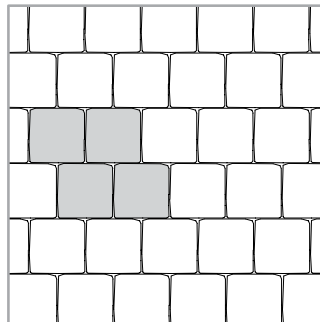
NOTES

See page 112 for more technical information and installation details.

01 | Linear pattern
Checkerboard 45°



02 | Linear pattern



- 01 | sandlewood
013101
- 08 | shale grey
013108
- 16 | mojava beige
013116
- 21 | champlain grey
013121
- 39 | harvest gold
013139
- 40 | chestnut brown
013140
- 41 | autumn red
013141
- 42 | oceana
013142





Parisien

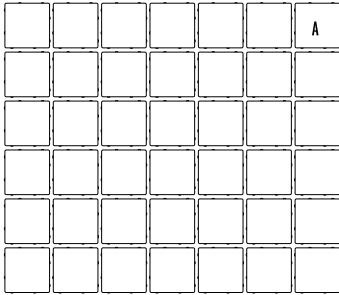
Square and rectangle

DESCRIPTION: Pavers
CODE: 1030 (square)
 1040 (rectangle)
TEXTURE: Smooth and Beveled



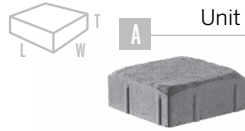
PAVERS

PALLET OVERVIEW 1030 square



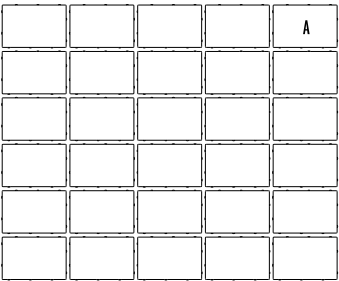
(1030) SQUARE

Specifications per pallet	Imperial	Metric
Cubing	124.20 ft.²	11.54 m ²
Weight	3575 lbs	1622 kg
Number of rows	11	
	11.29 ft. ² /row	1.05 m ² /row



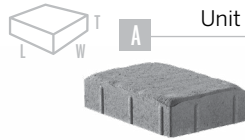
Unit dimensions	in	mm	Units/pallet
Thickness	2 ³ / ₈	60	462 units
Width	6 ¹ / ₄	158	
Length	6 ¹ / ₄	158	

PALLET OVERVIEW 1040 rectangle



(1040) RECTANGLE

Specifications per pallet	Imperial	Metric
Cubing	134.20 ft.²	12.47 m ²
Weight	3870 lbs	1755 kg
Number of rows	11	
	12.20 ft. ² /row	1.13 m ² /row



Unit dimensions	in	mm	Units/pallet
Thickness	2 ³ / ₈	60	330 units
Width	6 ¹ / ₄	158	
Length	9 ³ / ₈	238	

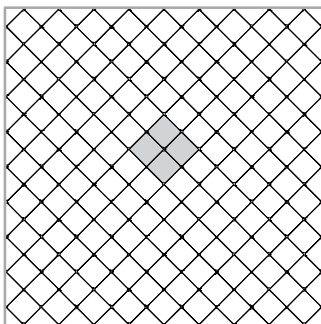
APPLICATIONS

Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

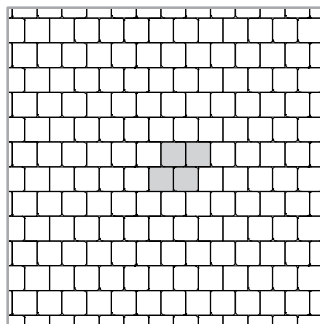
NOTES

See page 112 for more technical information and installation details.

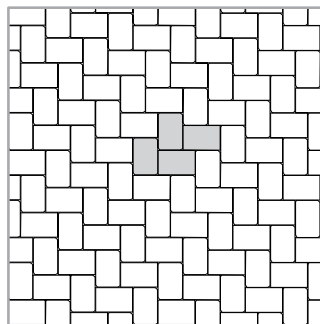
01 | Linear pattern
Checkerboard 45° | 100% square



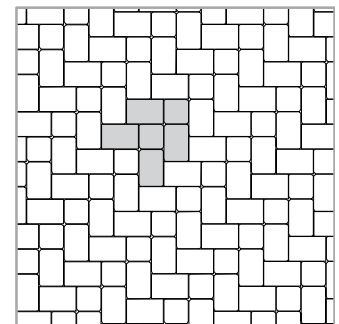
02 | Linear pattern
100% square



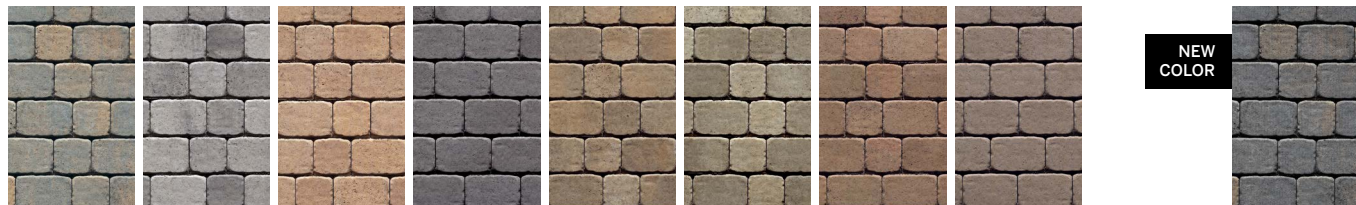
03 | Herringbone pattern
100% rectangle



04 | Herringbone pattern
75% rectangle | 25% square



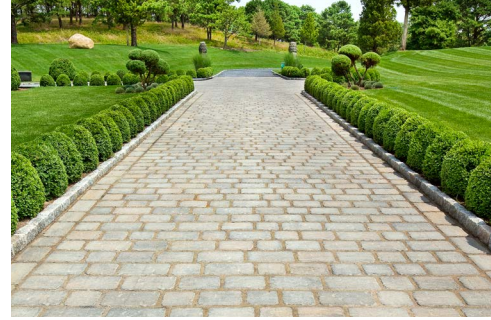
- 01** sandlewood square 103001 rectangle 104001
- 08** shale grey square 103008 rectangle 104008
- 16** mojave beige square 103016 rectangle 104016
- 27** onyx black square 103039 rectangle 104039
- 39** harvest gold square 103039 rectangle 104039
- 40** chestnut brown square 103040 rectangle 104040
- 41** autumn red square 103041 rectangle 104041
- 43** chocolate brown square 103041 rectangle 104043
- 21** champlain grey square 103021 rectangle 104021





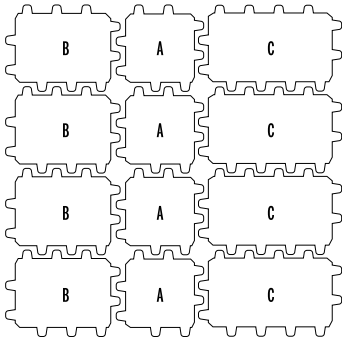
Permea

DESCRIPTION: Paver
CODE: 1810
TEXTURE: Beveled



PAVERS

PALLET OVERVIEW 1810



Specifications per pallet	Imperial	Metric
Cubing	72 ft.²	6.70 m ²
Weight	2470 lbs	1120 kg
Number of rows	8	
	9 ft. ² /row	0.84 m ² /row
Void space: 9.1%		
Joint width	7/8"	22 mm




APPLICATIONS

Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

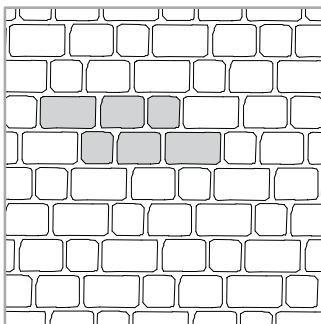
The use of permeable pavement systems throughout the world has proven effective in reducing storm water runoff while increasing infiltration rates as it returns the water to the environment. The use of permeable pavers also facilitates LEED® certification easier to obtain.

NOTES

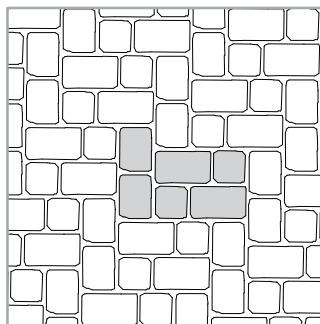
See page 114 for more technical information and installation details.

	Unit dimensions	in	mm	Units/pallet
 A	Thickness	3 1/8	80	32 units
	Width	9	228	
	Length	9	228	
 B	Thickness	3 1/8	80	32 units
	Width	9	228	
	Length	12	305	
 C	Thickness	3 1/8	80	32 units
	Width	9	228	
	Length	14 15/16	380	

01 | Linear pattern



02 | Herringbone pattern



08 shale grey 181008 **16** mojave beige 181016 **21** champlain grey 181021



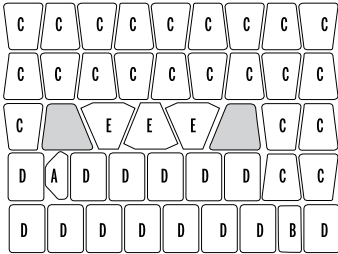


Rotondo

DESCRIPTION: Paver
CODE: 0100
TEXTURE: Undulated and Aged



PALLET OVERVIEW 0100



Specifications per pallet	Imperial	Metric
Cubing	50.70 ft. ²	4.70 m ²
Weight	1440 lbs	653 kg
Number of rows	6	
	8.45 ft. ² /row	0.79 m ² /row
Circle diameter	7' 11"	2.41 m

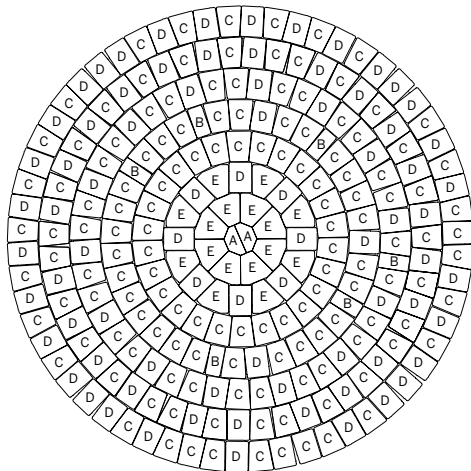
APPLICATIONS

Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

NOTES

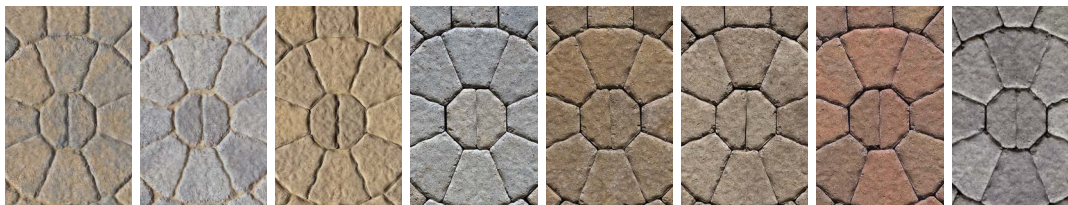
1 pallet creates one full or 2 half-circles.
 See page 112 for more technical information and installation details.

	Unit dimensions	in	mm	Units/pallet
HALF OCTAGON 	Thickness	2 3/8	60	6 units
	Width	-	-	
	Length	-	-	
SMALL RECTANGLE 	Thickness	2 3/8	60	6 units
	Width	-	-	
	Length	-	-	
SMALL RADIUS 	Thickness	2 3/8	60	138 units
	Width	-	-	
	Length	-	-	
RECTANGLE 	Thickness	2 3/8	60	84 units
	Width	-	-	
	Length	-	-	
RADIUS 	Thickness	2 3/8	60	18 units
	Width	-	-	
	Length	-	-	



ROW	UNIT	DIAMETER	
		in.	(cm)
Center	A = 2	6.3	(16)
1	E = 8	18.9	(48)
2	E = 8, D = 8	31.5	(80)
3	C = 26	44.1	(112)
4	C = 28, D = 3, B = 5	57.5	(146)
5	C = 28, D = 14, B = 1	70.1	(178)
6	C = 28, D = 23	82.7	(210)
7	C = 25, D = 34	94.9	(241)

- 01 sandlewood
010001
- 08 shale grey
010008
- 16 mojave beige
010016
- 21 champlain grey
010021
- 39 harvest gold
010039
- 40 chestnut brown
010040
- 41 autumn red
010041
- 42 oceana
010042



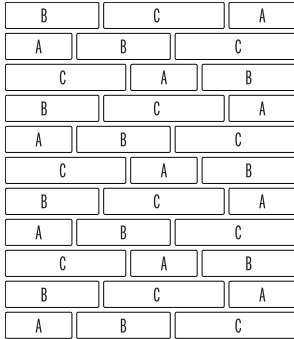
San Marino

Small rectangles and Large rectangles

PAVERS

NEW PRODUCTS

PALLET OVERVIEW 1300 - small rectangles



APPLICATIONS

Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

NOTES

* Onyx black and chocolate brown are only available in half-pallets.

See page 111 for more technical information and installation details

DESCRIPTION: Pavers
CODE: 1300 (small rectangles)
 1310 (large rectangles)
TEXTURE: Slate



(1300) SMALL RECTANGLES

Specifications per pallet		Imperial	Metric
Cubing		80.81 ft.²	7.51 m ²
Weight		3 564 lbs	1 617 kg
Number of rows		7	
		11.54 ft.²/row	1.07 m ² /row
Half-pallet*	Cubing	46.18 ft.²	4.29 m ²
	Number of rows	4	
	Weight	2 036 lbs	923 kg

	Unit dimensions	in	mm	Units/pallet
A	Thickness	3 ¹⁵ / ₁₆	100	77 units
	Width	3 ¹⁵ / ₁₆	100	
	Length	8 ⁷ / ₈	225	
B	Thickness	3 ¹⁵ / ₁₆	100	77 units
	Width	3 ¹⁵ / ₁₆	100	
	Length	12 ¹³ / ₁₆	325	
C	Thickness	3 ¹⁵ / ₁₆	100	77 units
	Width	3 ¹⁵ / ₁₆	100	
	Length	16 ³ / ₄	425	

(1310) LARGE RECTANGLES

Specifications per pallet		Imperial	Metric
Cubing		77.14 ft.²	7.17 m ²
Weight		3 560 lbs	1 615 kg
Number of rows		11	
		11.02 ft.²/row	1.02 m ² /row
Half-pallet*	Cubing	44.08 ft.²	4.10 m ²
	Number of rows	6	
	Weight	2 014 lbs	913 kg

	Unit dimensions	in	mm
A	Thickness	3 ¹⁵ / ₁₆	100
	Width	5 ⁷ / ₈	150
	Length	8 ⁷ / ₈	225
B	Thickness	3 ¹⁵ / ₁₆	100
	Width	5 ⁷ / ₈	150
	Length	12 ¹³ / ₁₆	325
C	Thickness	3 ¹⁵ / ₁₆	100
	Width	5 ⁷ / ₈	150
	Length	16 ³ / ₄	425

01 sandlewood
 small 130001
 large 131001

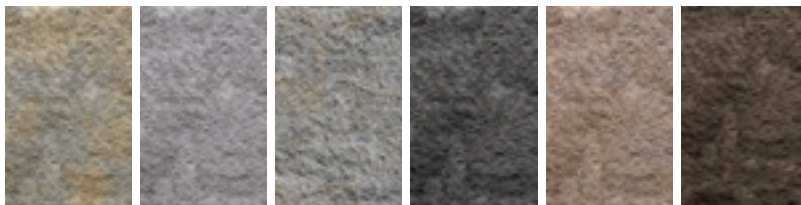
08 shale grey
 small 130008
 large 131008

21 champlain grey
 small 130021
 large 131021

27 onyx black*
 small 130027
 large 131027

40 chestnut brown
 small 130040
 large 131040

43 chocolate brown*
 small 130043
 large 131043



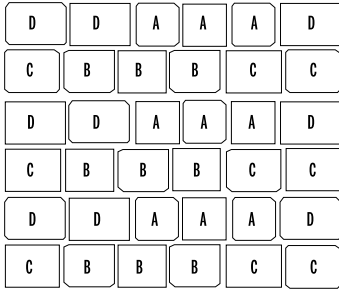


Trias

DESCRIPTION: Paver
CODE: 0120
TEXTURE: Smooth and Aged



PALLET OVERVIEW 0120



Specifications per pallet	Imperial	Metric
Cubing	115.24 ft.²	10.71 m ²
Weight	3250 lbs	1474 kg
Number of rows	11	
	10.47 ft. ² /row	0.97 m ² /row

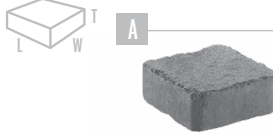



APPLICATIONS

Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

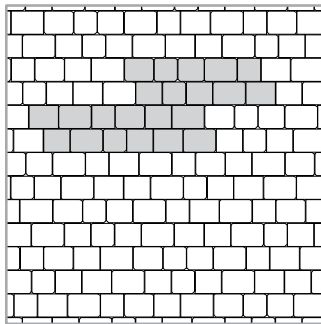
The Trias paver allows for gentle curves and winding pathways, eliminating the need for cuts.

NOTES

See page 112 for more technical information and installation details.

	Unit dimensions	in	mm	Units/pallet
	Thickness	2 ³ / ₈	60	99 units
	Width	5 ¹³ / ₁₆	148	
	Length	5 ¹³ / ₁₆	148	
	Thickness	2 ³ / ₈	60	99 units
	Width	5 ¹³ / ₁₆	148	
	Length	6 ⁵ / ₈	168	
	Thickness	2 ³ / ₈	60	99 units
	Width	5 ¹³ / ₁₆	148	
	Length	7 ³ / ₈	188	
	Thickness	2 ³ / ₈	60	99 units
	Width	5 ¹³ / ₁₆	148	
	Length	8 ³ / ₁₆	208	

01 | Linear pattern



- 01** sandlewood
012001
- 08** shale grey
012008
- 16** mojave beige
012016
- 21** champlain grey
012021





Victorien

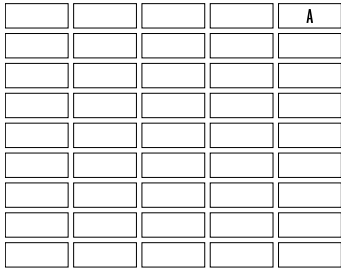
60 mm and 80 mm

DESCRIPTION: Pavers
CODE: 1060 (60 mm)
 1061 (80 mm)
TEXTURE: Smooth



PAVERS

PALLET OVERVIEW 1060 - 1061



(1060) 60 mm

Specifications per pallet	Imperial	Metric
Cubing	123.70 ft.²	11.50 m ²
Weight	3500 lbs	1588 kg
Number of rows	11	
	11.25 ft. ² /row	1.05 m ² /row



A



Unit dimensions	in	mm	Units/pallet
Thickness	2 ³ / ₈	60	495 units
Width	4 ¹ / ₄	108	4 units/ft. ²
Length	8 ¹ / ₂	216	43.10 units/m ²

APPLICATIONS

Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

Ideal border for our 80 mm paving stone collection.

NOTES

See page 112 for more technical information and installation details.

(1061) 80 mm

Specifications per pallet	Imperial	Metric
Cubing	90 ft.²	8.40 m ²
Weight	3320 lbs	1506 kg
Number of rows	8	
	11.25 ft. ² /row	1.05 m ² /row

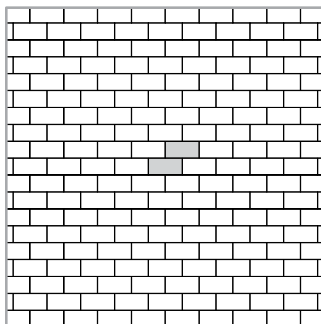


A

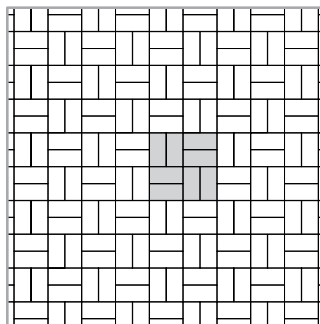


Unit dimensions	in	mm	Units/pallet
Thickness	3 ¹ / ₈	80	360 units
Width	4 ¹ / ₄	108	4 units/ft. ²
Length	8 ¹ / ₂	216	43.10 units/m ²

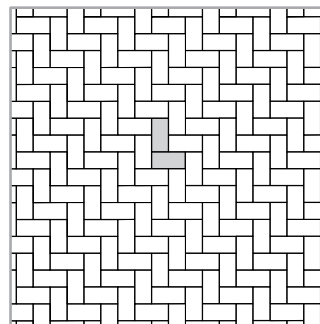
01 | Linear pattern



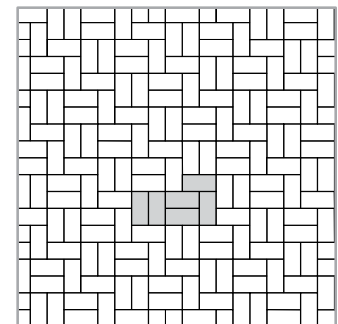
02 | Parquet pattern



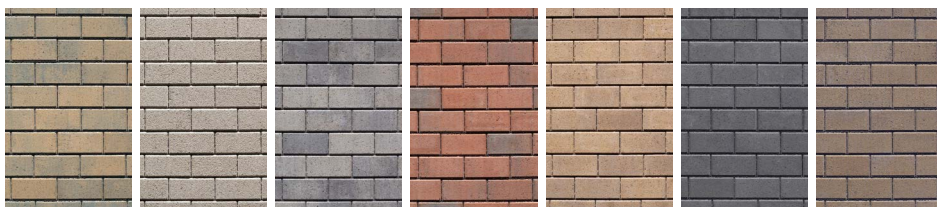
03 | Herringbone pattern



04 | Modified Herringbone pattern



- 01 sandlewood
60mm 106001
- 07 grey
60mm 106007
80mm 106107
- 08 shale grey
60mm 106008
- 13 red & black
60mm 106013
- 16 mojave beige
60mm 106016
- 27 onyx black
60mm 106027
80mm 106127
- 43 chocolate brown
60mm 106043
80mm 106143





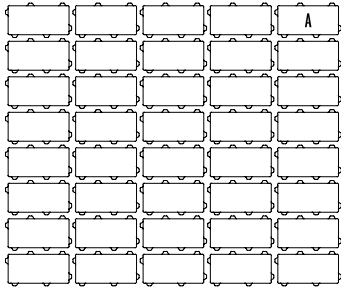
Victorien

60 mm Permeable

DESCRIPTION: Paver
CODE: 1830
TEXTURE: Smooth



PALLET OVERVIEW 1830



Specifications per pallet	Imperial	Metric
Cubing	110.22 ft.²	10.24 m ²
Weight	3080 lbs	1397 kg
Number of rows	11	
	10.02 ft. ² /row	0.93 m ² /row
Void space: 9.6 %		
Joint width	3/8"	10 mm

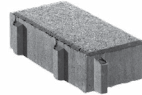
PAVERS

APPLICATIONS

Victorien permeable pavers are perfect for driveways, walkways, patios and urban applications such as drainage swales along roadways. Permeable pavers let storm water drain away and help manage excess runoff. They also smooth the path to obtaining LEED® certification.



A

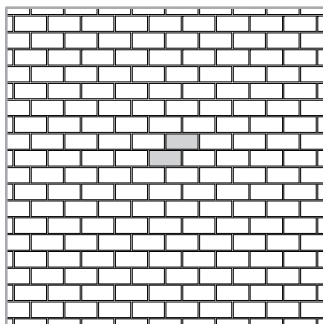


Unit dimensions	in	mm	Units/pallet
Thickness	2 3/8	60	440 units
Width	4 1/4	108	
Length	8 1/2	216	

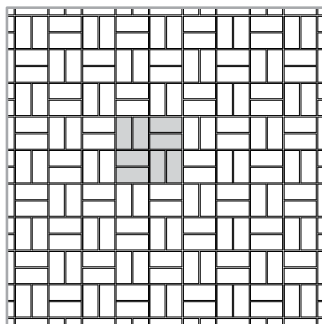
NOTES

See page 114 for more technical information and installation details.

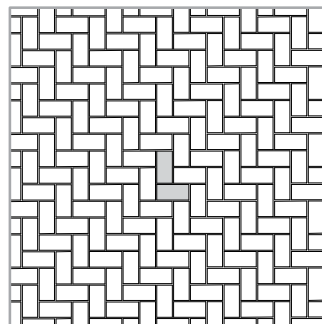
01 | Linear pattern



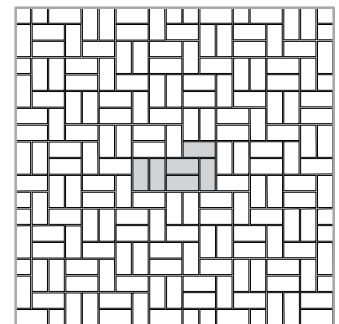
02 | Parquet pattern



03 | Herringbone pattern



04 | Modified Herringbone pattern



08 | shale grey 183008 40 | chestnut brown 183040 41 | autumn red 183041





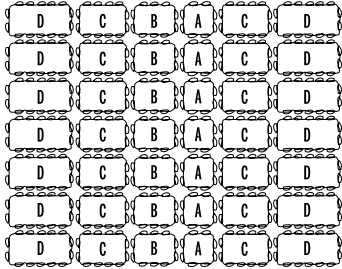
Villagio

DESCRIPTION: Paver
CODE: 1800
TEXTURE: Beveled



PAVERS

PALLET OVERVIEW 1800



APPLICATIONS

Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

The Villagio paver allows for gentle curves and winding pathways, eliminating the need for cuts.

NOTES

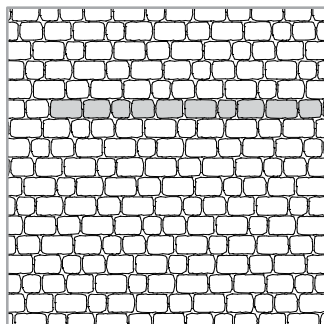
* Onyx black and chocolate brown are only available in half-pallets.

See page 112 for more technical information and installation details and page 114 when used as a permeable application.

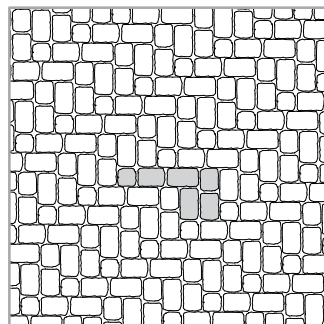
Specifications per pallet	Imperial	Metric
Cubing	117 ft.²	10.88 m ²
Weight	2935 lbs	1331 kg
Number of rows	11	
	10.64 ft. ² /row	0.99 m ² /row
Void space: 8.0 %		
Joint width	3/8" to 9/16"	9 to 15 mm
Specifications Half-pallet*	Imperial	Metric
Cubing	53.18 ft.²	4.94 m ²
Weight	1455 lbs	660 kg
Number of rows: 5	10.64 ft. ² /row	0.99 m ² /row

	Unit dimensions	in	mm	Units /pallet
A	Thickness	2 3/8	60	77 units
	Width	5 1/8	130	
	Length	5 1/8	130	
B	Thickness	2 3/8	60	77 units
	Width	5 1/8	130	
	Length	6 5/16	160	
C	Thickness	2 3/8	60	154 units
	Width	5 1/8	130	
	Length	7 5/16	185	
D	Thickness	2 3/8	60	154 units
	Width	5 1/8	130	
	Length	8 7/16	215	

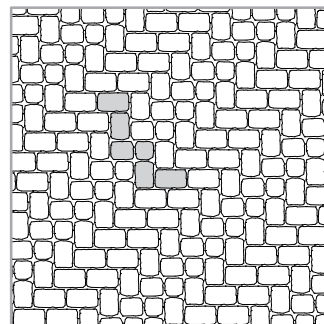
01 | Linear pattern



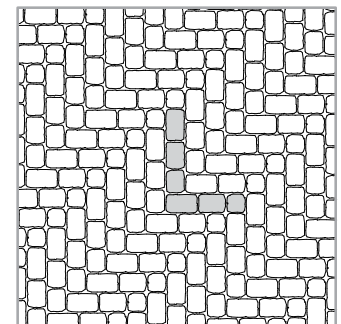
02 | Herringbone pattern



03 | Herringbone pattern



04 | Herringbone pattern



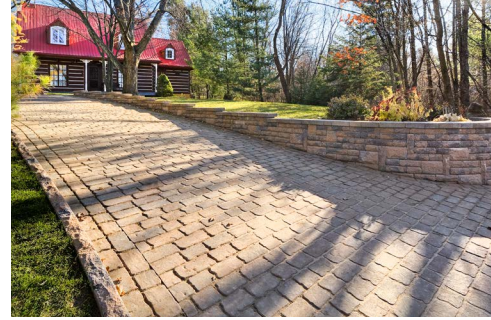
01 sandlewood 180001 08 shale grey 180008 16 mojave beige 180016 21 champlain grey 180021 27 onyx black* 180027 38 harvest gold 180039 40 chestnut brown 180040 41 autumn red 180041 42 oceana 180042 43 chocolate brown* 180043



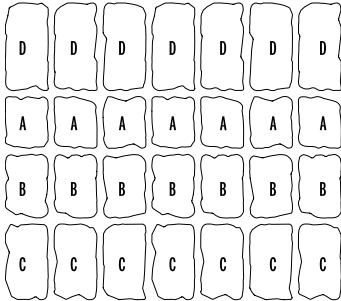


Villagio Grande

DESCRIPTION: Paver
CODE: 1801
TEXTURE: Beveled



PALLET OVERVIEW 1801



Specifications per pallet	Imperial	Metric
Cubing	85.84 ft.²	7.98 m ²
Weight	2960 lbs	1343 kg
Number of rows	8	
	10.73 ft. ² /row	0.99 m ² /row
Void space: 7.3 %		
Joint width	1/4" to 1/2"	6 to 12 mm

APPLICATIONS

Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

The Villagio paver allows for gentle curves and winding pathways, eliminating the need for cuts.

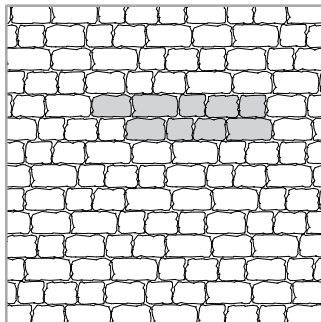
NOTES

See page 112 for more technical information and installation details and page 114 when used as a permeable application.

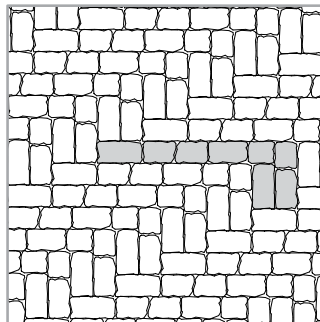


	Unit dimensions	in	mm	Units/pallet
A	Thickness	3 1/8	80	56 units
	Width	5 7/8	149	
	Length	7 1/16	179	
B	Thickness	3 1/8	80	56 units
	Width	5 7/8	149	
	Length	8 5/8	219	
C	Thickness	3 1/8	80	56 units
	Width	5 7/8	149	
	Length	10 3/16	259	
D	Thickness	3 1/8	80	56 units
	Width	5 7/8	149	
	Length	11 3/4	299	

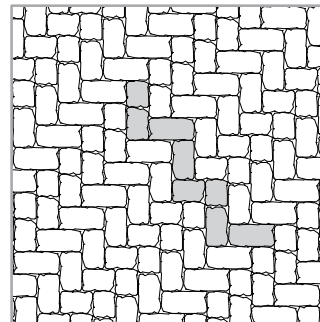
01 | Linear pattern



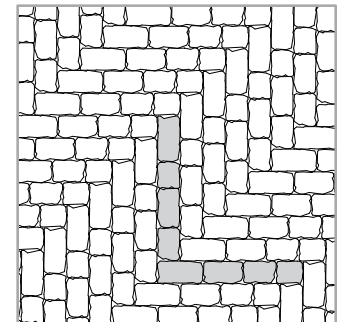
02 | Herringbone pattern



03 | Herringbone pattern

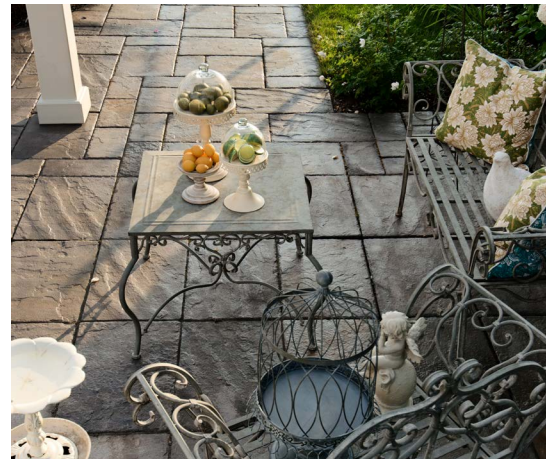
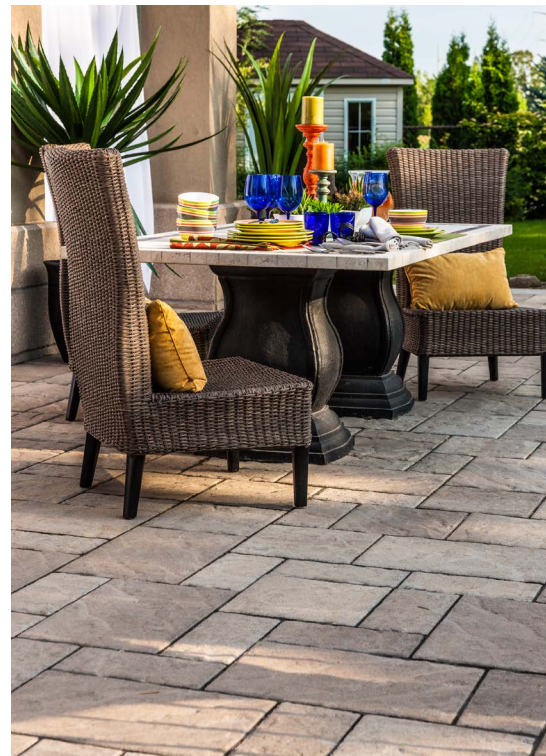


04 | Herringbone pattern



- 01** sandlewood
180101
- 03** shale grey
180108
- 21** champlain grey
180121
- 39** harvest gold
180139
- 40** chestnut brown
180140





SLABS

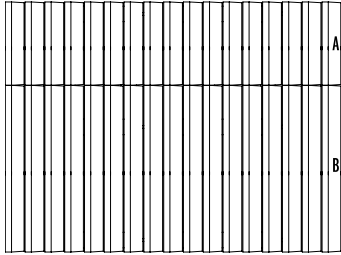


Aberdeen

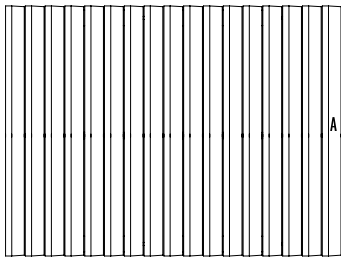
DESCRIPTION: Slabs
CODE: 2473 (20"x10" and 20"x20")
 2472 (30"x10")
TEXTURE: Slate



PALLET OVERVIEW 2473 - 20"x10" and 20"x20"



PALLET OVERVIEW 2472 - 30"x10"



APPLICATIONS

Refer to page 50.

NOTES

Palletized upright.

See page 118 for more technical information and installation details.

Specifications per pallet		Imperial	Metric
Cubing (2473) 20"x10" and 20"x20"	Cubing	70.83 ft.²	6.58 m ²
	Weight	1900 lbs	862 kg
Number of rows	A	1	
		1.39 ft. ² /unit	0.129 m ² /unit
Number of rows	B	1	
		2.78 ft. ² /unit	0.258 m ² /unit

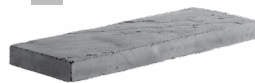


Unit dimensions	in	mm	Units/pallet
Thickness	2 1/4	57	17 units
Width	20	508	
Length	10	254	



Unit dimensions	in	mm	Units/pallet
Thickness	2 1/4	57	17 units
Width	20	508	
Length	20	508	

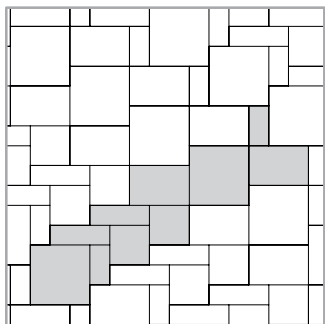
Specifications per pallet		Imperial	Metric
Cubing (2472) 30"x10"	Cubing	35.42 ft.²	3.29 m ²
	Weight	1000 lbs	454 kg
Number of rows	A	1	
		2.08 ft. ² /unit	0.19 m ² /unit



Unit dimensions	in	mm	Units/pallet
Thickness	2 1/4	57	17 units
Width	30	762	
Length	10	254	

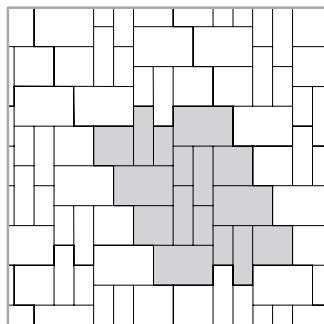
01 | Modular pattern

38% - 30"x30" | 25% - 30"x20" |
 12% - 30"x10" | 25% - 20"x20" & 20"x10"



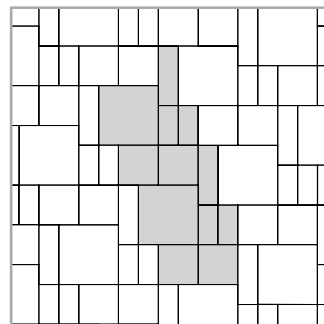
02 | Modular pattern

40% - 30"x20" | 20% - 30"x10" |
 40% - 20"x20" & 20"x10"



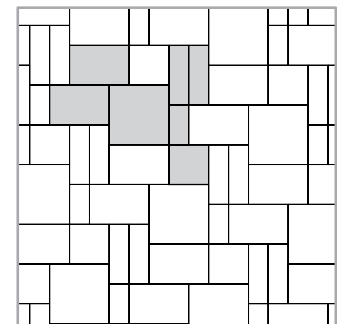
03 | Modular pattern

38% - 30"x30" | 12% - 30"x10" |
 50% - 20"x20" & 20"x10"



04 | Modular pattern

28% - 30"x30" | 36% - 30"x20" |
 18% - 30"x10" | 18% - 20"x20" & 20"x10"



37 rock garden brown 46 azzurro 47 baja beige 48 olive
 20x10/20x20 247337 20x10/20x20 247346 20x10/20x20 247347 20x10/20x20 247348
 30x10 247237 30x10 247246 30x10 247247 30x10 247248



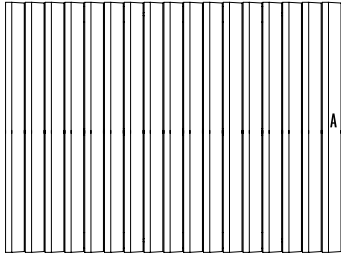


Aberdeen

DESCRIPTION: Slabs
CODE: 2471 (30"×20")
 2470 (30"×30")
TEXTURE: Slate



PALLET OVERVIEW 2471 - 2470



(2471) 30"×20"

Specifications per pallet	Imperial	Metric
Cubing	70.83 ft.²	6.58 m ²
Weight	1880 lbs	853 kg
Number of rows	1	
	4.17 ft. ² /unit	0.387 m ² /unit



Unit dimensions	in	mm	Units/pallet
Thickness	2 1/4	57	17 units
Width	30	762	
Length	20	508	

APPLICATIONS

Available in random, linear and diamond shapes, Aberdeen slabs are ideal for a wide variety of applications. Use them for patios, footpaths (linear) or giant steppers, as caps for seating and retaining walls, and, when combined in footpath or multileveled patios, as caps for steps.

The Aberdeen slabs cannot be used for residential driveways.

NOTES

Palletized upright.

See page 118 for more technical information and installation details.

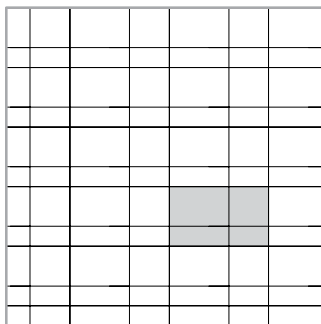
(2470) 30"×30"

Specifications per pallet	Imperial	Metric
Cubing	106.25 ft.²	9.87 m ²
Weight	2820 lbs	1279 kg
Number of rows	1	
	6.25 ft. ² /unit	0.58 m ² /unit

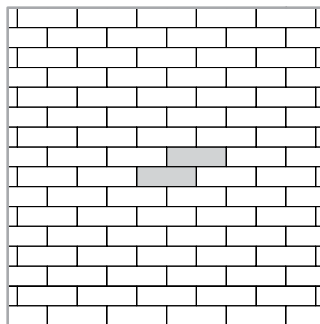


Unit dimensions	in	mm	Units/pallet
Thickness	2 1/4	57	17 units
Width	30	762	
Length	30	762	

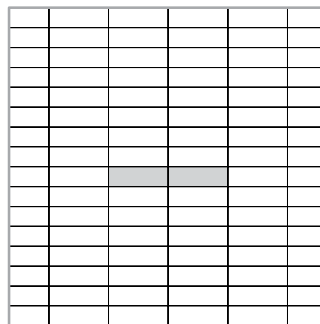
05 | Linear pattern
 40% - 30"×20" | 20% - 30"×10" |
 40% - 20"×20" & 20"×10"



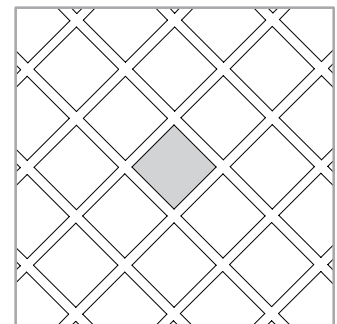
06 | Linear pattern
 100% - 30"×10"



07 | Linear pattern
 100% - 30"×10"



08 | Linear pattern
 Checkerboard 45° | 100% - 30"×30"



37 rock garden brown **46** azzurro **47** baja beige **48** olive
 30x20 247137 30x20 247146 30x20 247147 30x20 247148
 30x30 247037 30x30 247046 30x30 247047 30x30 247048





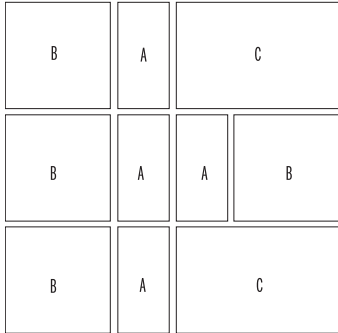
Blu

60 mm Slate or Slate Aged

DESCRIPTION: Slabs
CODE: 1122 (slate)
 0162 (slate aged)
TEXTURE: Slate or Slate Aged



PALLET OVERVIEW 1122 - 0162



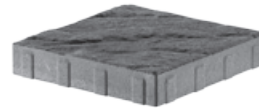
(1122-0162) SLAB

Specifications per pallet	Imperial	Metric
Cubing	116.82 ft.²	10.96 m ²
Weight	3125 lbs	1417 kg
Number of rows	11	
	10.62 ft. ² /row	0.99 m ² /row



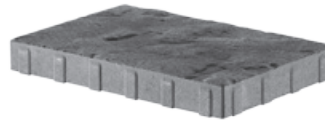
Unit dimensions	in	mm	Units/pallet
Thickness	2 ³ / ₈	60	44 units
Width	13	330	
Length	6 1/2	165	

B



Thickness	2 ³ / ₈	60	44 units
Width	13	330	
Length	13	330	

C



Thickness	2 ³ / ₈	60	22 units
Width	13	330	
Length	19 1/2	495	

APPLICATIONS

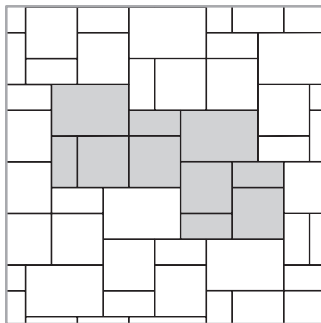
Pedestrian traffic, patios and swimming pool decks.

The Blu 60 mm slabs cannot be used for residential driveways.

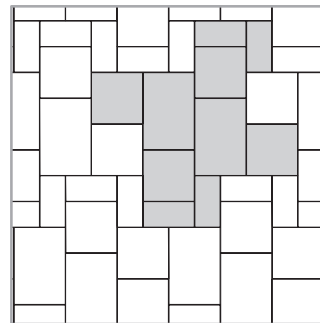
NOTES

See page 118 for more technical information and installation details.

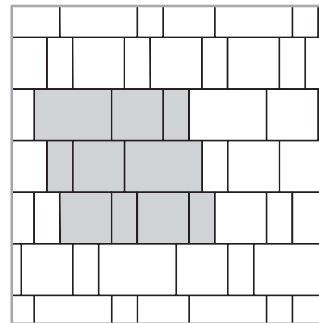
01 | Modular pattern



02 | Modular pattern



03 | Linear pattern



01 sandlewood
 slate 112201
 aged 016201

08 shale grey
 slate 112208
 aged 016208

16 mojave beige
 slate 112216
 aged 016216

21 champlain grey
 slate 112221
 aged 016221

39 harvest gold
 slate 112239
 aged 016239

40 chestnut brown
 slate 112240
 aged 016240

41 autumn red
 slate 112241
 aged 016241

42 oceana
 slate 112242
 aged 016242





Blu

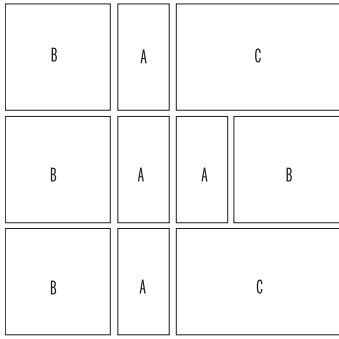
60 mm Smooth or Polished

DESCRIPTION: Slab
CODE: 2660 (smooth)
 2662 (polished)
TEXTURE: Smooth or Polished



NEW PRODUCTS

PALLET OVERVIEW 2660 - 2662



(2660) SMOOTH

Specifications per pallet	Imperial	Metric
Cubing	116.82 ft.²	10.96 m ²
Weight	3 196 lbs	1 450 kg
Number of rows	11	
	10.62 ft. ² /row	0.99 m ² /row
	9.75 lin ft./row	2.97 lin m/row

(2662) POLISHED

Specifications per pallet	Imperial	Metric
Cubing	116.82 ft.²	10.96 m ²
Weight	3 125 lbs	1 417 kg
Number of rows	11	
	10.62 ft. ² /row	0.99 m ² /row
	9.75 lin ft./row	2.97 lin m/row

APPLICATIONS

Pedestrian traffic, patios and swimming pool decks.

The Blu 60 mm slabs cannot be used for residential driveways.

NOTES

See page 117 for more technical information and installation details.



Unit dimensions	in	mm	Units/pallet
Thickness	2 3/8	60	44 units
Width	13	330	
Length	6 1/2	165	

B



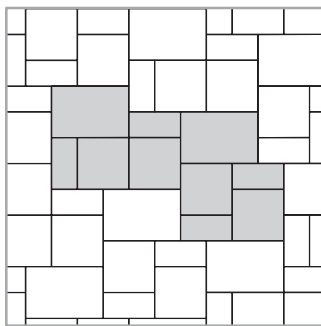
Thickness	2 3/8	60	44 units
Width	13	330	
Length	13	330	

C

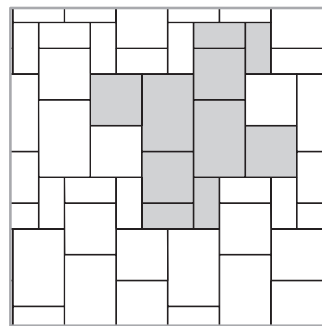


Thickness	2 3/8	60	22 units
Width	13	330	
Length	19 1/2	495	

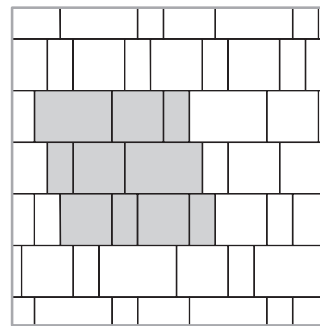
01 | Modular pattern



02 | Modular pattern



03 | Linear pattern



SMOOTH

POLISHED

08 shale grey smooth 266008 40 chestnut brown smooth 266040 42 oceana smooth 266042

08 shale grey polished 266208 40 chestnut brown polished 266240 42 oceana polished 266242



Blu Grande

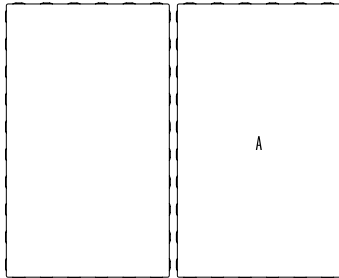
Slate or Smooth

DESCRIPTION: Slabs
CODE: 2420 (slate)
 2400 (smooth)
TEXTURE: Slate or Smooth



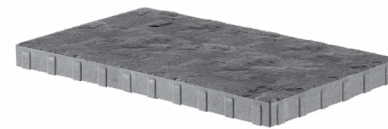
NEW PRODUCTS

PALLET OVERVIEW 2420 - 2400



(2420) SLATE

Specifications per pallet	Imperial	Metric
Cubing	96.71 ft.²	8.98 m ²
Weight	2698 lbs	1224 kg
Number of rows	11	
	8.79 ft. ² /row	0.82 m ² /row



Unit dimensions	in	mm	Units/pallet
Thickness	2 3/8	60	22 units
Width	19 1/2	495	
Length	32 1/2	825	

APPLICATIONS

Pedestrian traffic, patios and swimming pool decks.

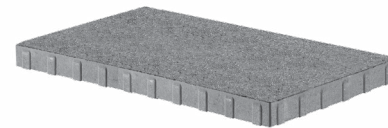
The Blu Grande slab cannot be used for residential driveways.

NOTES

See page 118 for more technical information and installation details.

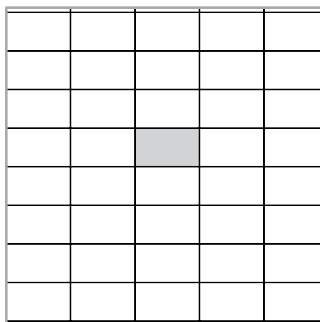
(2400) SMOOTH

Specifications per pallet	Imperial	Metric
Cubing	96.71 ft.²	8.98 m ²
Weight	2698 lbs	1224 kg
Number of rows	11	
	8.79 ft. ² /row	0.82 m ² /row

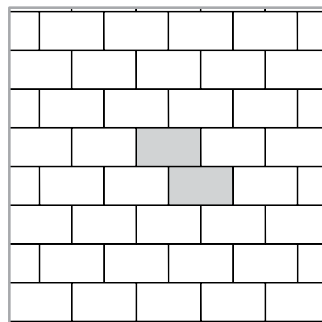


Unit dimensions	in	mm	Units/pallet
Thickness	2 3/8	60	22 units
Width	19 1/2	495	
Length	32 1/2	825	

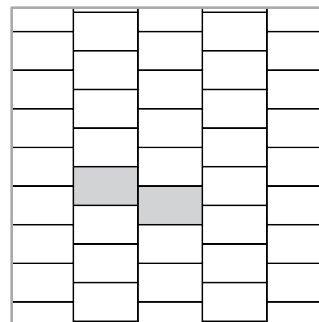
01 | Linear pattern



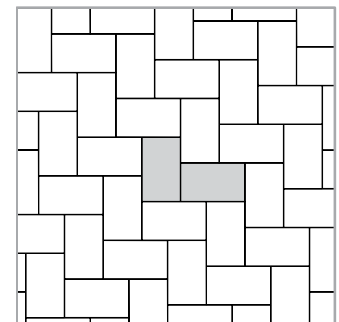
02 | Linear pattern



03 | Linear pattern



04 | Herringbone pattern



SLATE

SMOOTH

01 sandlewood slate 242001 08 shale grey slate 242008 16 mojave beige slate 242016 21 champlain grey slate 242021 39 harvest gold slate 242039 40 chestnut brown slate 242040

08 shale grey smooth 240008 40 chestnut brown smooth 240040 42 oceana smooth 240042





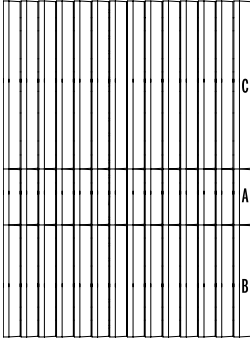
Inca

DESCRIPTION: Slab
CODE: 2569
TEXTURE: Natural Stone (Slate)



Stonedge
COLLECTION

PALLET OVERVIEW 2569



Specifications per pallet	Imperial	Metric
Cubing	66.50 ft.²	6.18 m ²
Weight	1640 lbs	744 kg
Number of rows	A 1	
	0.78 ft. ² /unit	0.07 m ² /unit
	B 1	
	1.56 ft. ² /unit	0.14 m ² /unit
	C 1	
	2.34 ft. ² /unit	0.22 m ² /unit

APPLICATIONS

Pedestrian traffic, patios and swimming pool decks.

The Inca slabs cannot be used for residential driveways.

NOTES

Palletized upright.

See page 118 for more technical information and installation details.



A



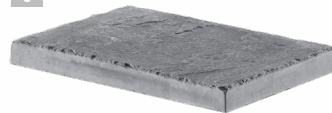
Unit dimensions	in	mm	Units/pallet
Thickness	2	51	14 units
Width	15	381	
Length	7 1/2	191	

B



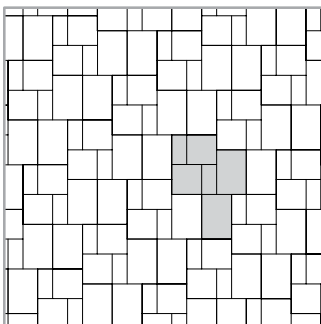
Thickness	2	51	14 units
Width	15	381	
Length	15	381	

C

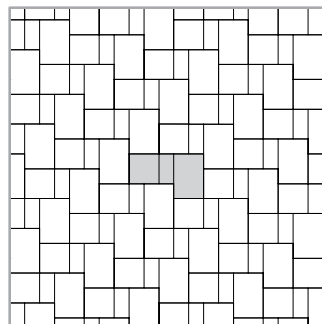


Thickness	2	51	14 units
Width	15	381	
Length	22 1/2	572	

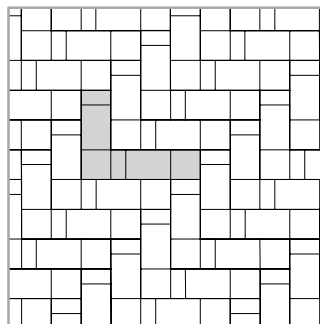
01 | Modular pattern



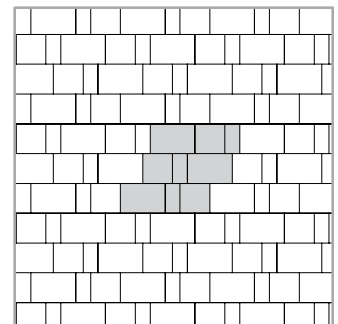
02 | Herringbone pattern



03 | Herringbone pattern



04 | Herringbone pattern



24 victoria
256924

25 riviera
256925

47 baja beige
256947



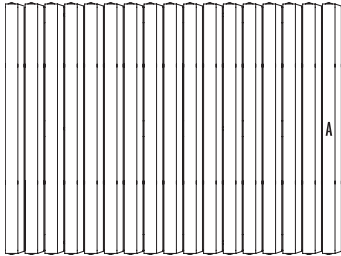


Maya Slab

DESCRIPTION: Slab
CODE: 2571
TEXTURE: Natural Stone (Slate)



PALLET OVERVIEW 2571



Specifications per pallet	Imperial	Metric
Cubing	17 units	17 units
Weight per pallet	1587 lbs	720 kg
Weight by unit	93 lbs	42 kg
Number of rows	1	
	4.95 ft. ² /unit	0.46 m ² /unit

APPLICATIONS

Pedestrian traffic.

The Maya slabs cannot be used for residential driveways.

NOTES

Palletized upright.

It is preferable to lay the stones in a random configuration.

Each pallet contains a variation of six different shapes.

See page 118 for more technical information and installation details.



A-F



Unit dimensions	in	mm	Units/pallet
Thickness	2 1/4	57	17 units
Width	23	584	
Length	31	788	

SLABS

24 victoria
257124



25 riviera
257125



47 baja beige
257147



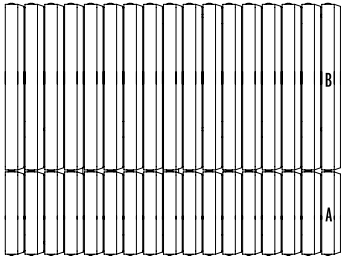


Monticello

DESCRIPTION: Slab
CODE: 2491 (20"×10" and 20"×20")
TEXTURE: Slate with chiseled edges



PALLET OVERVIEW 2491



Specifications per pallet	Imperial	Metric
Cubing	70.83 ft.²	6.58 m ²
Weight	1905 lbs	864 kg
Number of rows	A 1	1.39 ft. ² /unit
	B 1	0.13 m ² /unit
	2.78 ft. ² /unit	0.26 m ² /unit

APPLICATIONS

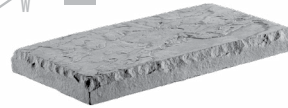
Pedestrian traffic, patios and swimming pool decks.

The Monticello slabs cannot be used for residential driveways.

NOTES

Palletized upright.

See page 118 for more technical information and installation details.



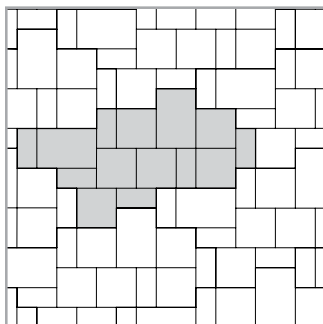
Unit dimensions	in	mm	Units/pallet
Thickness	2 1/4	57	17 units
Width	20	508	
Length	10	254	



Thickness	2 1/4	57	17 units
Width	20	508	
Length	20	508	

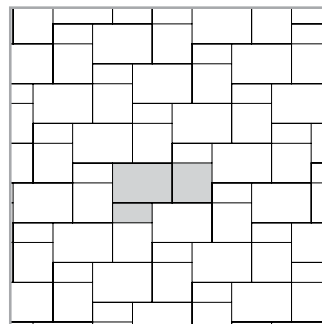
01 | Modular pattern

25% - 20"×30" | 75% - 20"×20" & 20"×10"



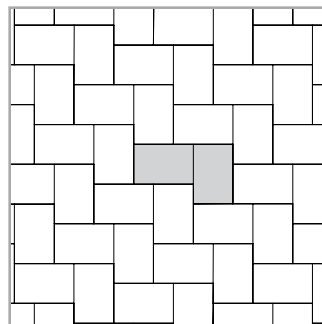
02 | Herringbone pattern

50% - 20"×30" | 50% - 20"×20" & 20"×10"



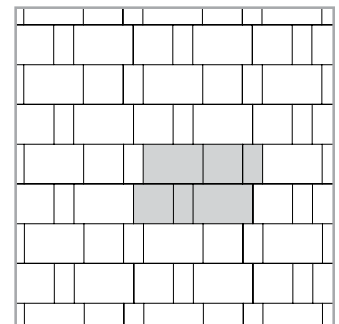
03 | Herringbone pattern

100% - 20"×30"



04 | Linear pattern

50% - 20"×30" | 50% - 20"×20" & 20"×10"



- 37 rock garden brown
249137
- 43 chocolate brown
249143
- 46 azzurro
249146
- 48 olive
249148



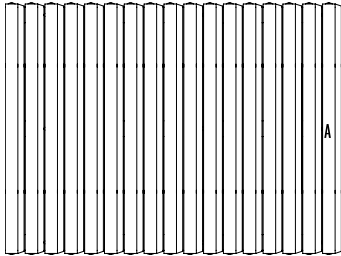
Monticello

DESCRIPTION: Slab
CODE: 2490 (20"×30")
TEXTURE: Slate with chiseled edges



Stonedge
COLLECTION

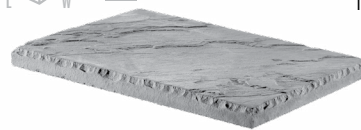
PALLET OVERVIEW 2490



Specifications per pallet	Imperial	Metric
Cubing	70.83 ft.²	6.58 m ²
Weight	1870 lbs	848 kg
Number of rows	1	
	4.17 ft. ² /unit	0.39 m ² /unit



Unit dimensions	in	mm	Units/pallet
Thickness	2 1/4	57	17 units
Width	20	508	
Length	30	762	



APPLICATIONS

Pedestrian traffic, patios and swimming pool decks.

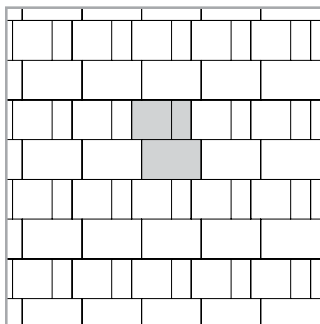
The Monticello slabs cannot be used for residential driveways.

NOTES

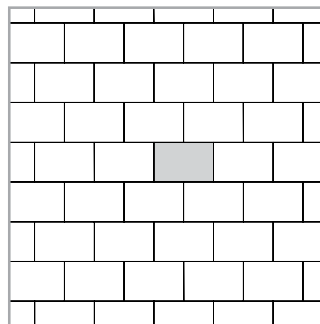
Palletized upright.

See page 118 for more technical information and installation details.

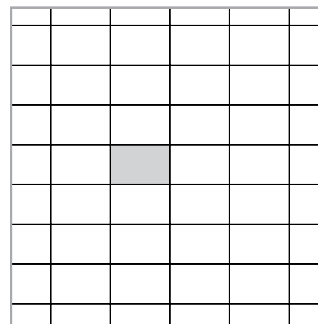
05 | Linear pattern
 50% - 20" x 30" | 50% - 20" x 20" & 20" x 10"



06 | Linear pattern
 100% - 20" x 30"



07 | Linear pattern
 100% - 20" x 30"



37 rock garden brown 249037 **43** chocolate brown 249043 **46** azzurro 249046 **48** olive 249048





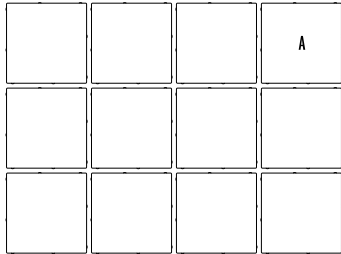
Royale

12"×12" and 12"×24"

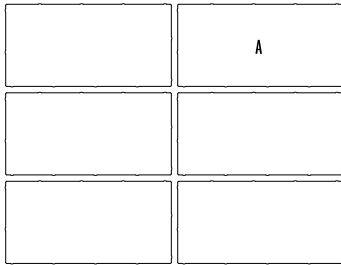
DESCRIPTION: Slabs
CODE: 2530 (12"×12")
 2540 (12"×24")
TEXTURE: Smooth



PALLET OVERVIEW 2530 - 12"×12"



PALLET OVERVIEW 2540 - 12"×24"



APPLICATIONS

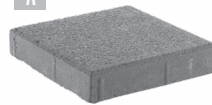
Pedestrian traffic, patios and swimming pool decks.

The Royale slabs cannot be used for residential driveways.

NOTES

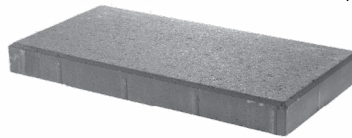
See page 118 for more technical information and installation details.

Specifications per pallet		Imperial	Metric
(2530) 12"×12"	Cubing: 132 units	132 ft. ²	12.27 m ²
	Weight	3615 lbs	1640 kg
	Number of rows	11	
		12 ft. ² /row	1.11 m ² /row



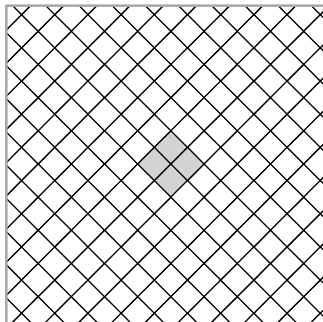
Unit dimensions	in	mm	Units/pallet
Thickness	2 3/8	60	132 units
Width	11 13/16	300	1 unit/ft. ²
Length	11 13/16	300	10.76 units/m ²

Specifications per pallet		Imperial	Metric
(2540) 12"×24"	Cubing: 60 units	120 ft. ²	11.15 m ²
	Weight	3345 lbs	1517 kg
	Number of rows	10	
		12 ft. ² /row	1.11 m ² /row

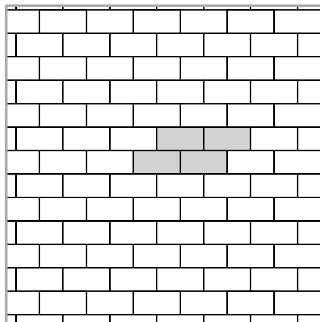


Unit dimensions	in	mm	Units/pallet
Thickness	2 3/8	60	60 units
Width	11 13/16	300	0.5 unit/ft. ²
Length	23 5/8	600	5.38 units/m ²

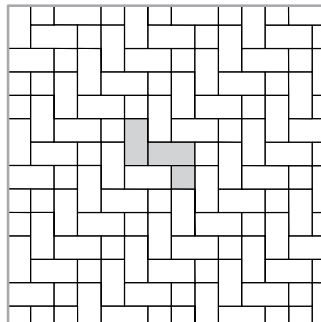
01 | Linear pattern
100% - 12"×12"



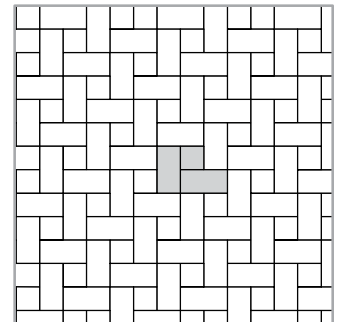
02 | Linear pattern
100% - 12"×24"



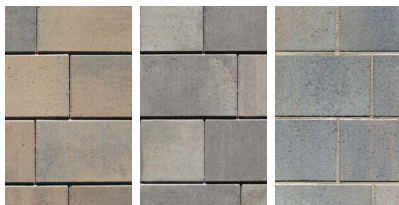
03 | Herringbone pattern
80% - 12"×24" | 20% - 12"×12"



04 | Herringbone pattern
80% - 12"×24" | 20% - 12"×12"



- 01** sandlewood **08** shale grey **21** champlain grey
- 12X12 253001 12X12 253008 12X12 253021
- 12X24 254001 12X24 254008 12X24 254021

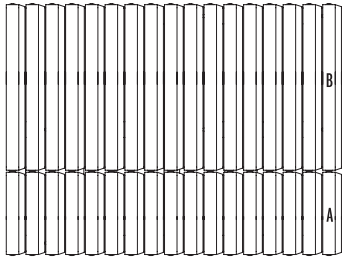


Colors available upon request:
 07 grey (253007 12×12 and 254007 12×24) and 10 charcoal (253010 12×12 and 254010 12×24).

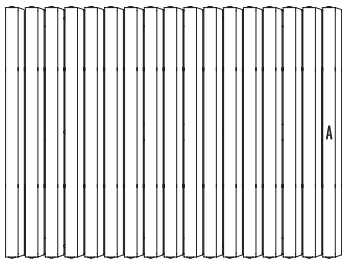
Travertina

NEW PRODUCTS

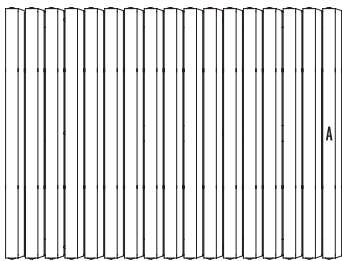
PALLET OVERVIEW 2449 - 20x20 and 20x10 - Palletized upright



PALLET OVERVIEW 2448 - 20x30 Palletized upright



PALLET OVERVIEW 2440 - 30x30 Palletized upright



APPLICATIONS

The Travertina slabs cannot be used for residential driveways.

NOTES

For installation layout refer to hatch patterns 1 to 7 on pages 58-59 (for 20x30, 20x20 and 20x10 mix) and refer to hatch pattern 8 on page 50 (for 30x30).

See page 117 for more technical information and installation details.

DESCRIPTION: Slabs
CODE: 2449 (20x20, 20x10)
 2448 (20x30), 2440 (30x30)
TEXTURE: Travertine



(2449) 20x20 - 20x10

Specifications per pallet	Imperial	Metric
Cubing	70.89 ft.²	6.59 m ²
Weight	1835 lbs	832 kg
Number of rows	A 1	
	1.39 ft. ² /unit	0.129 m ² /unit
	B 1	
	2.78 ft. ² /unit	0.258 m ² /unit



Unit dimensions	in	mm	Units/pallet
Thickness	2 1/4	57	17 units
Width	20	508	
Length	10	254	

B



Thickness	2 1/4	57	17 units
Width	20	508	
Length	20	508	

(2448) 20x30

Specifications per pallet	Imperial	Metric
Cubing	70.89 ft.²	6.59 m ²
Weight	1841 lbs	835 kg
Number of rows	1	
	4.17 ft. ² /unit	0.39 m ² /unit



Unit dimensions	in	mm	Units/pallet
Thickness	2 1/4	57	17 units
Width	30	762	
Length	20	508	

(2440) 30x30

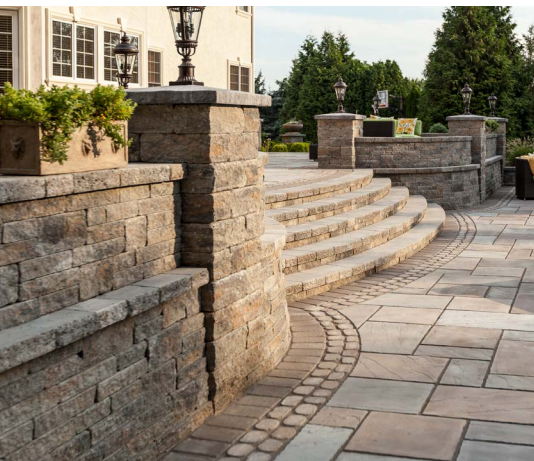
Specifications per pallet	Imperial	Metric
Cubing	106.25 ft.²	9.87 m ²
Weight	2736 lbs (approx.)	1241 kg (approx.)
Number of rows	1	
	6.25 ft. ² /unit	0.58 m ² /unit



Unit dimensions	in	mm	Units/pallet
Thickness	2 1/4	57	17 units
Width	30	762	
Length	30	762	

25 riviera	37 rock garden brown	44 ivory
20x20/20x10 244325	20x20/20x10 244337	20x20/20x10 244344
20x30 244125	20x30 244137	20x30 244144
30x30 244025	30x30 244037	30x30 244044





WALLS & PILLARS

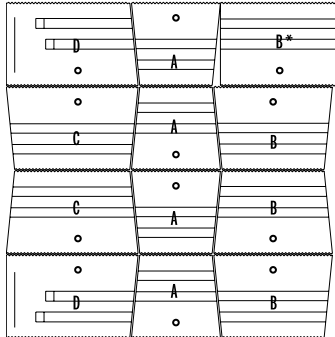


Escala 3.5'' Wall

DESCRIPTION: Double-Sided
CODE: 3090
TEXTURE: Split Face and Aged



PALLET OVERVIEW 3090

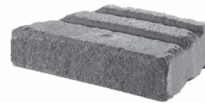


Specifications per pallet	Imperial	Metric
Cubing*	27.65 ft.²	2.570 m ²
Weight	2900 lbs	1315 kg
Minimum radius	7.5 ft.	2.25 m
Number of rows	7	
	3.95 ft. ² /row	0.37 m ² /row



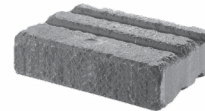
Unit dimensions	in	mm	Units/pallet
Height	3 ⁹ / ₁₆	90	28 units
Depth	9 ¹³ / ₁₆	250	
Length 1	10 ⁵ / ₈	270	
Length 2	8 ¹¹ / ₁₆	220	

B



Height	3 ⁹ / ₁₆	90	21 units
Depth	9 ¹³ / ₁₆	250	
Length 1	14 ³ / ₁₆	360	
Length 2	12 ³ / ₁₆	310	

B*



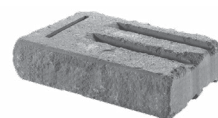
Height	3 ⁹ / ₁₆	90	7 units
Depth	9 ¹³ / ₁₆	250	
Length 1	14 ³ / ₁₆	360	
Length 2	14 ³ / ₁₆	360	

C



Height	3 ⁹ / ₁₆	90	14 units
Depth	9 ¹³ / ₁₆	250	
Length 1	15 ³ / ₄	400	
Length 2	13 ³ / ₄	350	

D



Height	3 ⁹ / ₁₆	90	14 units
Depth	9 ¹³ / ₁₆	250	7 right corners*
Length 1	15 ³ / ₄	400	7 left corners*
Length 2	14 ³ / ₄	375	

APPLICATIONS

Versatile units that can be used to build planters, double and single walls, steps, edge restraints, pillars, fireplaces and exterior kitchen components.

COMPATIBLE CAPS

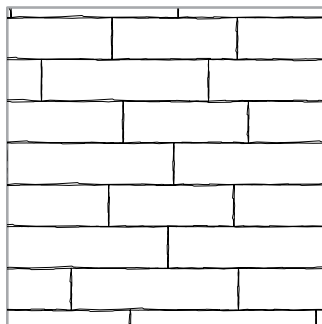
Aged, Antique 14", Bullnose, Escala 3.5", Muro Naturale, Piedimonte, Portofino, Prima 14" and York.

NOTES

* When building a double-sided wall, the square footage covered per pallet will vary.

See page 120 for more technical information and installation details.

01 | Linear pattern



- 01 sandlewood
309001
- 08 shale grey
309008
- 16 mojave beige
309016
- 21 champlain grey
309021
- 39 harvest gold
309039
- 40 chestnut brown
309040
- 41 autumn red
309041
- 42 oceana
309042



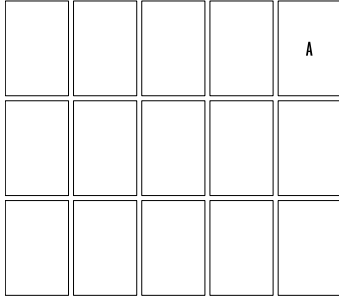


Manchester

DESCRIPTION: Wall
CODE: 3110
TEXTURE: Smooth and Aged



PALLET OVERVIEW 3110



Specifications per pallet	Imperial	Metric
Cubing: 90 units	29.10 ft. ²	2.70 m ²
Weight	2760 lbs	1252 kg
Number of rows	6	
(Approx.)	4.85 ft. ² /row	0.45 m ² /row

Specifications Half-pallet*	Imperial	Metric
Cubing: 45 units	14.53 ft. ²	1.35 m ²
Weight	1398 lbs	634 kg
Number of rows	3	
(Approx.)	4.85 ft. ² /row	0.45 m ² /row

APPLICATIONS

Versatile units that can be used to build planters, double and single walls, edge restraints, pillars, fireplaces and exterior kitchen components.

COMPATIBLE CAPS

Aged, Antique 14", Bullnose, Escala 3.5", Muro Naturale, Niagara, Piedimonte, Portofino, Prima 14" and York.

NOTES

* Onyx black and chocolate brown are only available in half-pallets.

See page 120 for more technical information and installation details.



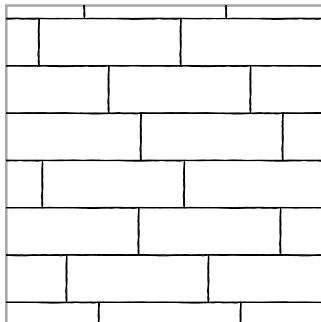
A



Unit dimensions	in	mm	Units/pallet
Height	3 ¹⁵ / ₁₆	100	90 units
Depth	7 ⁷ / ₈	200	
Length	11 ¹³ / ₁₆	300	

WALLS & PILLARS

01 | Linear pattern



- 01 sandlewood
311001
- 08 shale grey
311008
- 39 harvest gold
311039
- 40 chestnut brown
311040
- 41 autumn red
311041
- 42 oceana
311042
- 21 champlain grey
311021
- 27 onyx black*
311027
- 43 chocolate brown*
311043



NEW COLORS

Mini-Creta 3"

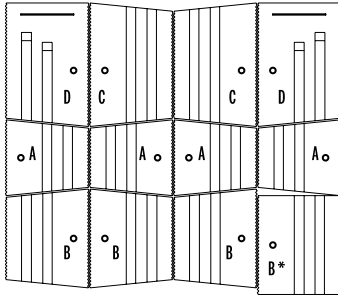
DESCRIPTION: Wall Double-Sided
CODE: 3011
TEXTURE: Split Face and Aged



CND 2,114,677
 US 5,528,873



PALLET OVERVIEW 3011



APPLICATIONS

Versatile units that can be used to build planters, double and single walls, steps, edge restraints, pillars, fireplaces and exterior kitchen components.

COMPATIBLE CAPS

Aged, Antique 14", Bullnose, Escala 3.5", Muro Naturale, Niagara, Piedimonte, Portofino, Prima 14" and York.

NOTES

B* unit can be used as a regular or vertical unit.

* Onyx black and chocolate brown are only available in half-pallets.

** When building a double-sided wall and/or using the corner unit as corners, the square footage covered per pallet will vary.

See page 120 for more technical information and installation details.

Specifications per pallet	Imperial	Metric
Cubing**	24 ft.²	2.23 m ²
Weight	2430 lbs	1102 kg
Minimum radius	7 ft.	2.1 m
Number of rows	8	
	3 ft. ² /row	0.28 m ² /row

Specifications Half-pallet*	Imperial	Metric
Cubing	12 ft.²	1.11 m ²
Weight	1180 lbs	535 kg
Minimum radius	7 ft.	2.1 m
Number of rows	4	
	3 ft. ² /row	0.28 m ² /row



	Unit dimensions	in	mm	Units/pallet
A	Height	2 15/16	75	32 units
	Depth	9 13/16	250	
	Length 1	9 1/16	230	
	Length 2	7 1/16	180	
B	Height	2 15/16	75	24 units
	Depth	9 13/16	250	
	Length 1	11 13/16	300	
	Length 2	9 13/16	250	
B*	Height	2 15/16	75	8 units*
	Depth	9 13/16	250	
	Length 1	11 13/16	300	
	Length 2	11 13/16	300	
C	Height	2 15/16	75	16 units
	Depth	9 13/16	250	
	Length 1	14 3/4	375	
	Length 2	12 13/16	325	
D	Height	2 15/16	75	16 units
	Depth	9 13/16	250	8 right corners
	Length 1	14 3/4	375	8 left corners
	Length 2	13 3/4	350	

- 01 sandlewood
301101
- 08 shale grey
301108
- 16 mojave beige
301116
- 21 champlain grey
301121
- 27 onyx black*
301127
- 39 harvest gold
301139
- 40 chestnut brown
301140
- 41 autumn red
301141
- 42 oceana
301142
- 43 chocolate brown*
301143



Mini-Creta 3"

Architectural

DESCRIPTION: Wall Double-sided
CODE: 3150
TEXTURE: Split Face

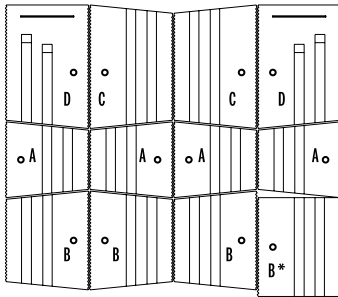


CND 2,114,677
 US 5,528,873



NEW PRODUCT

PALLET OVERVIEW 3150



APPLICATIONS

Versatile units that can be used to build planters, double and single walls, steps, edge restraints, pillars, fireplaces and exterior kitchen components.

COMPATIBLE CAPS

Aged, Antique 14", Bullnose, Escala 3.5", Muro Naturale, Niagara, Piedimonte, Portofino, Prima 14" and York.

NOTES

B* unit can be used as a regular or vertical unit.

* Onyx black and chocolate brown are only available in half-pallets.

** When building a double-sided wall and/or using the corner unit as corners, the square footage covered per pallet will vary.

See page 120 for more technical information and installation details.

Specifications per pallet	Imperial	Metric
Cubing**	24 ft.²	2.23 m ²
Weight	2430 lbs	1102 kg
Minimum radius	7 ft.	2.1 m
Number of rows	8	
	3 ft. ² /row	0.28 m ² /row

Specifications Half-pallet*	Imperial	Metric
Cubing	12 ft.²	1.11 m ²
Weight	1180 lbs	535 kg
Minimum radius	7 ft.	2.1 m
Number of rows	4	
	3 ft. ² /row	0.28 m ² /row

	Unit dimensions	in	mm	Units/pallet
A	Height	2 ¹⁵ / ₁₆	75	32 units
	Depth	9 ¹³ / ₁₆	250	
	Length 1	9 ¹ / ₁₆	230	
	Length 2	7 ¹ / ₁₆	180	
B	Height	2 ¹⁵ / ₁₆	75	24 units
	Depth	9 ¹³ / ₁₆	250	
	Length 1	11 ¹³ / ₁₆	300	
	Length 2	9 ¹³ / ₁₆	250	
B*	Height	2 ¹⁵ / ₁₆	75	8 units*
	Depth	9 ¹³ / ₁₆	250	
	Length 1	11 ¹³ / ₁₆	300	
	Length 2	11 ¹³ / ₁₆	300	
C	Height	2 ¹⁵ / ₁₆	75	16 units
	Depth	9 ¹³ / ₁₆	250	
	Length 1	14 ³ / ₄	375	
	Length 2	12 ¹³ / ₁₆	325	
D	Height	2 ¹⁵ / ₁₆	75	16 units 8 right corners 8 left corners
	Depth	9 ¹³ / ₁₆	250	
	Length 1	14 ³ / ₄	375	
	Length 2	13 ³ / ₄	350	

- 01 sandlewood
315001
- 08 shale grey
315008
- 21 champlain grey
315021
- 27 onyx black*
315027
- 40 chestnut brown
315040
- 43 chocolate brown*
315043



Mini-Creta 6"

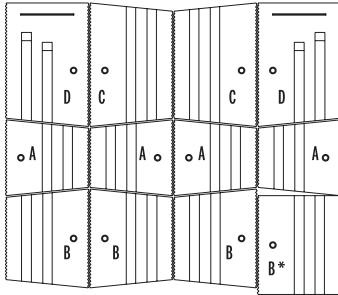
DESCRIPTION: Wall Double-Sided
CODE: 3012
TEXTURE: Split Face and Aged



CND 2,114,677
 US 5,528,873



PALLET OVERVIEW 3012



APPLICATIONS

Versatile units that can be used to build planters, double and single walls, steps, edge restraints, pillars, fireplaces and exterior kitchen components.

COMPATIBLE CAPS

Aged, Antique 14", Bullnose, Escala 3.5", Muro Naturale, Niagara, Piedimonte, Portofino, Prima 14" and York.

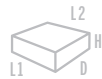
NOTES

B* unit can be used as a regular or vertical unit.

* When building a double-sided wall and/or using the corner unit as corners, the square footage covered per pallet will vary.

See page 120 for more technical information and installation details.

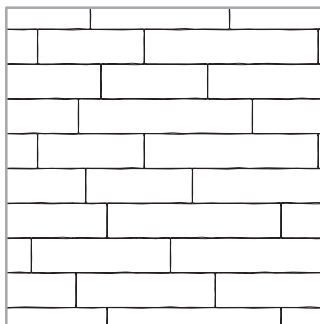
Specifications per pallet	Imperial	Metric
Cubing*	30 ft. ²	2.79 m ²
Weight	3166 lbs	1436 kg
Minimum radius	7 ft.	2.1 m
Number of rows: 5	6 ft. ² /row	0.56 m ² /row



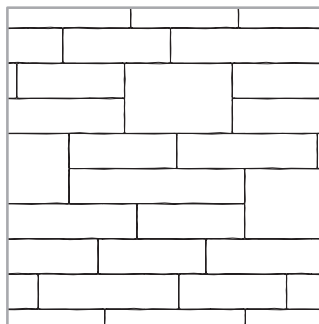
Unit	Unit dimensions	in	mm	Units/pallet
A	Height	5 7/8	150	20 units
	Depth	9 13/16	250	
	Length 1	9 1/16	230	
	Length 2	7 1/16	180	
B	Height	5 7/8	150	15 units
	Depth	9 13/16	250	
	Length 1	11 13/16	300	
	Length 2	9 13/16	250	
B*	Height	5 7/8	150	5 units*
	Depth	9 13/16	250	
	Length 1	11 13/16	300	
	Length 2	11 13/16	300	
C	Height	5 7/8	150	10 units
	Depth	9 13/16	250	
	Length 1	14 3/4	375	
	Length 2	12 13/16	325	
D	Height	5 7/8	150	10 units 5 right corners 5 left corners
	Depth	9 13/16	250	
	Length 1	14 3/4	375	
	Length 2	13 3/4	350	

WALLS & PILLARS

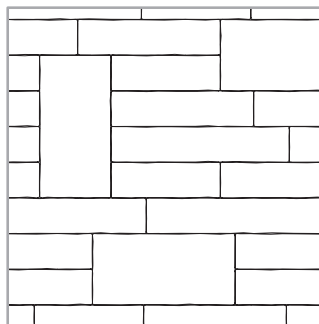
01 | Linear pattern



02 | Linear pattern



03 | Linear pattern with vertical units



- 01 sandlewood 301201
- 08 shale grey 301208
- 16 mojave beige 301216
- 21 champlain grey 3012221
- 39 harvest gold 301239
- 40 chestnut brown 301240
- 41 autumn red 301241
- 42 oceana 301242



Mini-Creta 6''

Architectural

DESCRIPTION: Wall Double-Sided
CODE: 3160
TEXTURE: Split Face

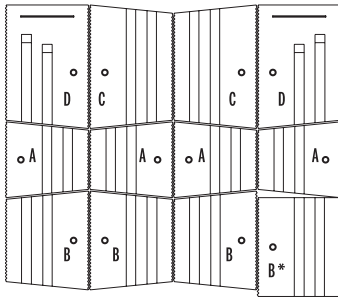


CND 2,114,677
 US 5,528,873



NEW PRODUCT

PALLET OVERVIEW 3160



APPLICATIONS

Versatile units that can be used to build planters, double and single walls, steps, edge restraints, pillars, fireplaces and exterior kitchen components.

COMPATIBLE CAPS

Aged, Antique 14", Bullnose, Escala 3.5", Muro Naturale, Niagara, Piedimonte, Portofino, Prima 14" and York.

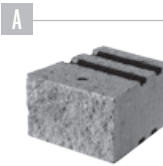
NOTES

B* unit can be used as a regular or vertical unit.

* When building a double-sided wall and/or using the corner unit as corners, the square footage covered per pallet will vary.

See page 120 for more technical information and installation details.

Specifications per pallet	Imperial	Metric
Cubing*	30 ft. ²	2.79 m ²
Weight	3166 lbs	1436 kg
Minimum radius	7 ft.	2.1 m
Number of rows: 5	6 ft. ² /row	0.56 m ² /row



Unit dimensions	in	mm	Units/pallet
Height	5 7/8	150	20 units
Depth	9 13/16	250	
Length 1	9 1/16	230	
Length 2	7 1/16	180	

B



Height	5 7/8	150	15 units
Depth	9 13/16	250	
Length 1	11 13/16	300	
Length 2	9 13/16	250	

B*



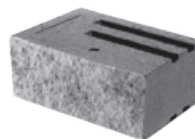
Height	5 7/8	150	5 units*
Depth	9 13/16	250	
Length 1	11 13/16	300	
Length 2	11 13/16	300	

C



Height	5 7/8	150	10 units
Depth	9 13/16	250	
Length 1	14 3/4	375	
Length 2	12 13/16	325	

D



Height	5 7/8	150	10 units
Depth	9 13/16	250	
Length 1	14 3/4	375	
Length 2	13 3/4	350	

01 sandlewood 316001 08 shale grey 316008 21 champlain grey 316021 40 chestnut brown 316040



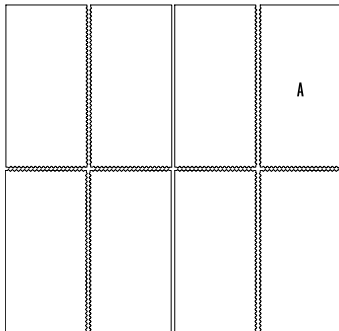
Pillar 24"

Mini-Creta

DESCRIPTION: Pillar
CODE: 3032 (24"×3")
 3031 (24"×6")
TEXTURE: Split Face and Aged



PALLET OVERVIEW 3032-3031



(3032) PILLAR 24"×3"

Specifications per pallet	Imperial	Metric
Cubing	48 units	48 units
Weight	1560 lbs	708 kg
Number of rows	6	
Pillar height	35 7/16"	900 mm



Unit dimensions	in	mm	Units/pallet
Height	2 7/8	75	48 units
Depth	8	203	
Length	16	406	

COMPATIBLE CAPS

Stonedge cap 28", Piedimonte cap 28" and York Pillar cap 28".

NOTES

See pages 160 to 163 for more technical information and installation details.

(3031) PILLAR 24"×6"

Specifications per pallet	Imperial	Metric
Cubing	24 units	24 units
Weight	1510 lbs	685 kg
Number of rows	3	
Pillar height	35 7/16"	900 mm



Unit dimensions	in	mm	Units/pallet
Height	5 7/8	150	24 units
Depth	8	203	
Length	16	406	

- | | | | | | | | |
|--|--|--|--|--|--|--|--|
| 01 sandlewood
24x3 303201
24x6 303101 | 08 shale grey
24x3 303208
24x6 303108 | 16 mojava beige
24x3 303216
24x6 303116 | 21 champlain grey
24x3 303221
24x6 303121 | 39 harvest gold
24x3 303239
24x6 303139 | 40 chestnut brown
24x3 303240
24x6 303140 | 41 autumn red
24x3 303241
24x6 303141 | 42 oceana
24x3 303242
24x6 303142 |
|--|--|--|--|--|--|--|--|





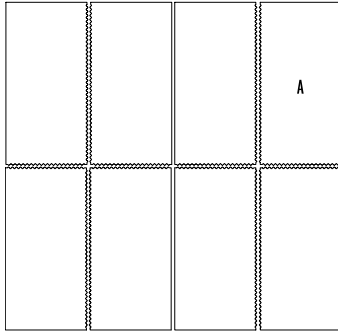
Pillar 28"

Mini-Creta

DESCRIPTION: Pillar
CODE: 3030 (28"×6")
TEXTURE: Split Face and Aged



PALLET OVERVIEW 3030



(3030) PILLAR 28"×6"

Specifications per pallet	Imperial	Metric
Cubing	16 units	16 units
Weight	1440 lbs	653 kg
Number of rows	2	
Pillar height	23 5/8"	600 mm



Unit dimensions	in	mm	Units/pallet
Height	5 7/8	150	16 units
Depth	9 13/16	250	
Length	18 1/8	460	

COMPATIBLE CAP

York Pillar cap 32".

NOTES

See pages 160 to 163 for more technical information and installation details.

AVAILABLE UPON REQUEST

WALLS & PILLARS



Pillar 24"

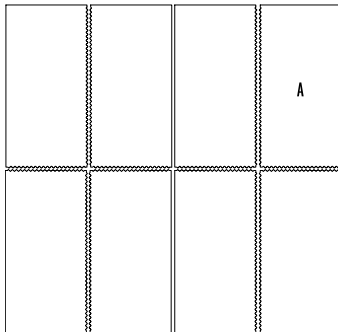
Mini-Creta Architectural

DESCRIPTION: Pillar
CODE: 3180
TEXTURE: Split Face



NEW PRODUCT

PALLET OVERVIEW 3180



Specifications per pallet	Imperial	Metric
Cubing	24 units	24 units
Weight	1510 lbs	685 kg
Pillar height	35 ⁷ / ₁₆	900 mm
Number of rows	3	



Unit dimensions	in	mm	Units/pallet
Thickness	5 ⁷ / ₈	150	24 units
Width	8	203	
Length	16	406	



COMPATIBLE CAPS

Stonedge cap 28", Piedimonte cap 28" and York Pillar cap 28".

NOTES

See pages 160 to 163 for more technical information and installation details.

- 01 sandlewood
318001
- 08 shale grey
318008
- 21 champlain grey
318021
- 40 chestnut brown
318040



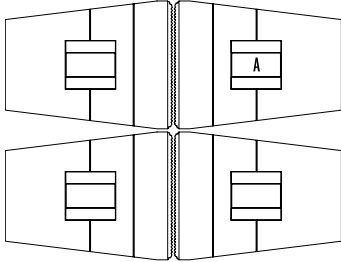


Monumental Wall

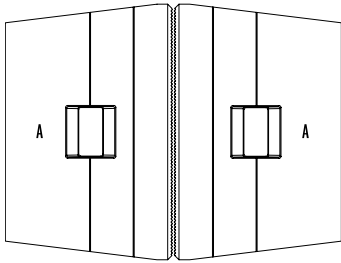
DESCRIPTION: Wall
CODE: 3521 (half)
 3522 (regular)
TEXTURE: Split Face and Chiseled



PALLET OVERVIEW 3521 half



PALLET OVERVIEW 3522 regular



COMPATIBLE CAPS

Only Monumental cap is compatible.

NOTES

When placing an order for Monumental, it is important to specify if you are building a vertical or an inclined wall in order to receive the correct inserts.

For more technical information and installation details, see page 139.

Email: walls@techo-bloc.com

Web: www.techo-bloc.com/monumental

(3521) HALF

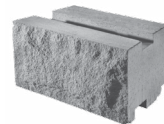
Specifications per pallet	Imperial	Metric
Cubing	13.80 ft.²	1.28 m ²
	1.73 ft. ² /unit	0.16 m ² /unit
Weight	2350 lbs	1065 kg
	287 lbs/unit	130 kg/unit



Unit dimensions	in	mm	Units/pallet
Height	15 3/4	400	8 units
Depth	20 1/2	521	
Length	15 3/4	400	

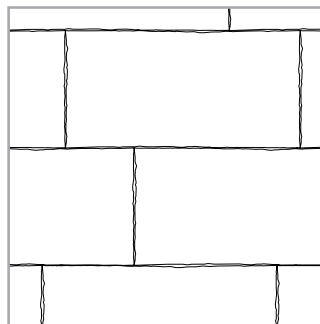
(3522) REGULAR

Specifications per pallet	Imperial	Metric
Cubing	13.80 ft.²	1.28 m ²
	3.45 ft. ² /unit	0.32 m ² /unit
Minimum radius	17 ft.	5.2 m
Weight	2760 lbs	1252 kg
	690 lbs/unit	312 kg/unit



Unit dimensions	in	mm	Units/pallet
Height	15 3/4	400	4 units
Depth	20 1/2	521	
Length	31 1/2	800	

01 | Linear pattern



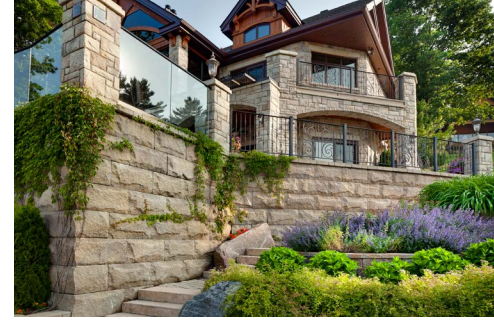
08 shale grey half 352108 regular 352208
 16 mojave beige half 352116 regular 352216



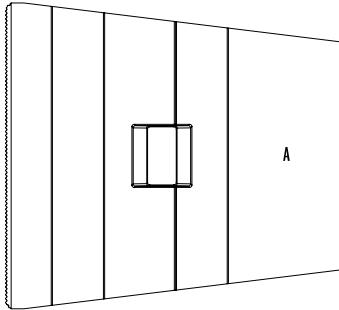
Monumental

Base and 90° Corners

DESCRIPTION: Base and Corners
CODE: 3523 (base)
 3524 (left corner)
 3527 (right corner)
TEXTURE: Split Face and Chiseled



PALLET OVERVIEW 3523 Base



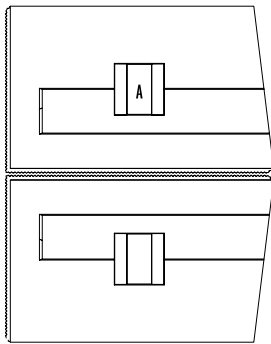
(3523) BASE

Specifications per pallet	Imperial	Metric
Cubing	6.90 ft.²	0.64 m ²
	3.45 ft. ² /unit	0.32 m ² /unit
Weight	2335 lbs	1059 kg
	1142 lbs/unit	518 kg/unit



Unit dimensions	in	mm	Units/pallet
Height	15 3/4	400	2 units
Depth	34 1/2	876	
Length	31 1/2	800	

PALLET OVERVIEW 3524 - 3527 corners



(3524-3527) CORNERS

Specifications per pallet	Imperial	Metric
Cubing	20.67 ft.²	1.92 m ²
	5.17 ft. ² /unit	0.48 m ² /unit
Weight	2335 lbs	1059 kg
	571 lbs/unit	259 kg/unit



Unit dimensions	in	mm	Units/pallet
Height	15 3/4	400	4 units
Depth	15 3/4	400	
Length	31 1/2	800	

WALLS & PILLARS

COMPATIBLE CAP

Only Monumental cap is compatible.

NOTES

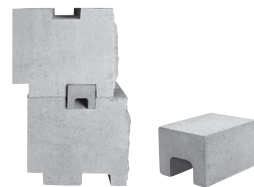
* Right or Left corners must be specified when placing an order.

For more technical information and installation details, see page 139.

Email: walls@techo-bloc.com

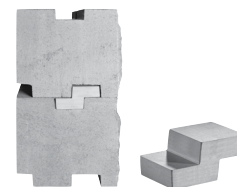
Web: www.techo-bloc.com/monumental

"U" insert



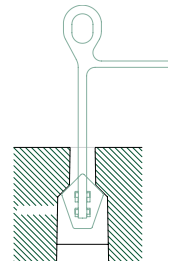
"U" insert creates 11° (3") inclined wall.

"Z" insert



"Z" insert creates straight wall (vertical).

Lifting anchor



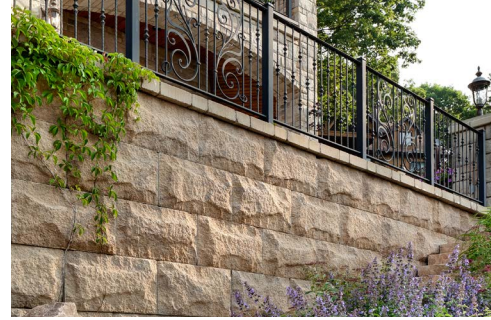
08 shale grey	16 mojava beige
base 352308	base 352316
left corner 352408	left corner 352416
right corner 352708	right corner 352716



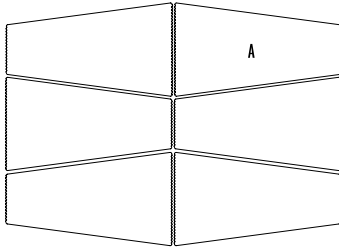


Monumental Cap

DESCRIPTION: Cap
CODE: 3530
TEXTURE: Split Face and Chiseled

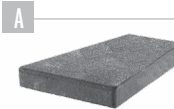


PALLET OVERVIEW 3530



(3530) CAP

Specifications per pallet	Imperial	Metric
Cubing	29.82 lin. ft.	9.09 lin. m
	4.97 lin. ft./row	1.51 lin. m/row
Number of rows	6	
Weight	2720 lbs	1234 kg



Unit dimensions	in	mm	Units/pallet
Height	3 ¹⁵/₁₆	100	36 units
Depth	23	584	
Length 1	6 ⁷ / ₈	174	
Length 2	13	330	

APPLICATIONS

Caps for Monumental wall only.

NOTES

For more technical information and installation details, see page 139.

Email: walls@techo-bloc.com

Web: www.techo-bloc.com/monumental

WALLS & PILLARS

08 shale grey
cap 353008

16 mojave beige
cap 353016

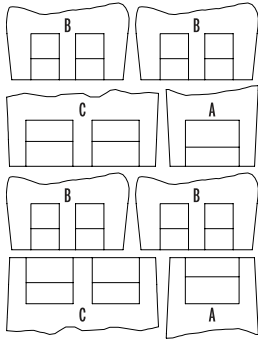


Muro Naturale 6"

DESCRIPTION: Wall
CODE: 4120
TEXTURE: Natural Stone (Coral Stone)



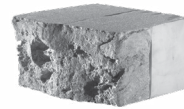
PALLET OVERVIEW 4120



Specifications per pallet	Imperial	Metric
Cubing	21 ft.²	1.95 m ²
Weight	1820 lbs	826 kg
Number of rows	4	
	5.25 ft. ² /row	0.49 m ² /row



Unit dimensions	in	mm	Units/pallet
Height	6	152	8 units
Depth	10	254	
Length	12	305	

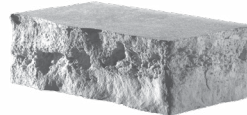


B



Height	6	152	16 units
Depth	10	254	
Length	16	406	

C



Height	6	152	8 units
Depth	10	254	
Length	19	483	

APPLICATIONS

Versatile units that can be used to build planters, single walls and exterior kitchen components.

COMPATIBLE CAPS

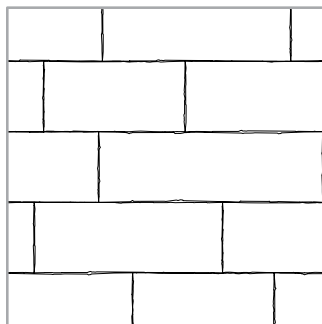
Muro Naturale, Piedimonte, Portofino and York caps.

NOTES

C unit can be used as corner unit or as a regular unit.

See page 120 for more technical information and installation details.

01 | Linear pattern



37 rock garden brown 412037 **38** arizona gold 412038

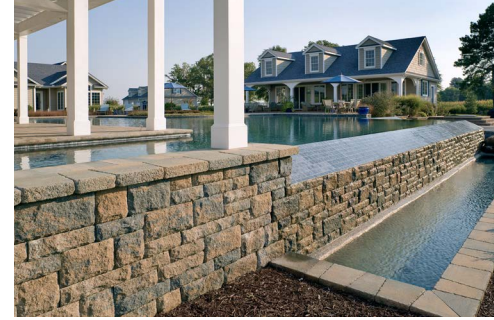


Quarry Stone 100 mm

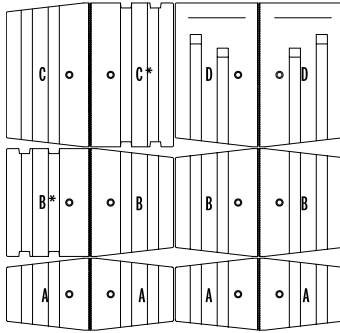
DESCRIPTION: Wall
CODE: 3500
TEXTURE: Chiseled and Aged



CND 2,114,677
US 5,528,873



PALLET OVERVIEW 3500



APPLICATIONS

Versatile units that can be used to build planters, single walls, steps, edge restraints, pillars, fireplaces and exterior kitchen components.

COMPATIBLE CAPS

Aged, Antique 14", Bullnose, Escala 3.5", Muro Naturale, Niagara, Piedimonte, Portofino, Prima 14" and York.

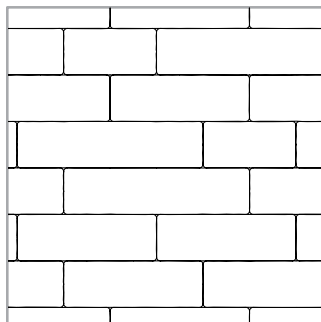
NOTES

B* and **C*** unit can be used as regular and/or vertical unit.

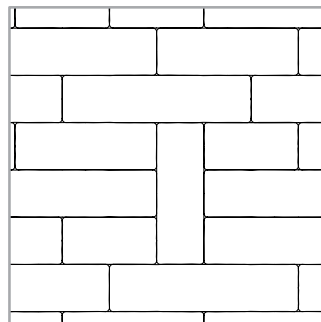
D unit can be used as a regular unit and/or corner.

See page 120 for more technical information and installation details.

01 | Linear pattern



02 | Linear pattern with vertical units



Specifications per pallet	Imperial	Metric
Cubing	23.25 ft.²	2.16 m ²
Weight	2160 lbs	980 kg
Minimum radius	6 ft.	1.82 m
Number of rows	6	
	3.87 ft. ² /row	0.36 m ² /row



A



Unit dimensions	in	mm	Units/pallet
Height	3 ¹⁵ / ₁₆	100	24 units
Depth	9 ¹ / ₁₆	230	
Length 1	7 ⁷ / ₈	200	
Length 2	5 ⁷ / ₈	150	

B/B*



B Height	3 ¹⁵ / ₁₆	100	18 units
Depth	9 ¹ / ₁₆	230	
Length 1	11 ¹³ / ₁₆	300	
Length 2	9 ¹³ / ₁₆	250	

B* Height	3 ¹⁵ / ₁₆	100	6 units
Depth	9 ¹ / ₁₆	230	
Length	11 ¹³ / ₁₆	300	

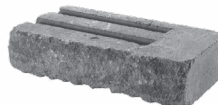
C/C*



C Height	3 ¹⁵ / ₁₆	100	6 units
Depth	9 ¹ / ₁₆	230	
Length 1	15 ³ / ₄	400	
Length 2	13 ³ / ₄	350	

C* Height	3 ¹⁵ / ₁₆	100	6 units
Depth	9 ¹ / ₁₆	230	
Length	15 ³ / ₄	400	

D



Height	3 ¹⁵ / ₁₆	100	12 units
Depth	9 ¹ / ₁₆	230	6 right corners
Length 1	15 ³ / ₄	400	6 left corners
Length 2	14 ³ / ₄	375	

- 01 sandlewood 350001
- 08 shale grey 350008
- 16 mojave beige 350016
- 21 champlain grey 350021
- 39 harvest gold 350039
- 40 chestnut brown 350040
- 41 autumn red 350041
- 42 oceana 350042



Quarry Stone 200 mm

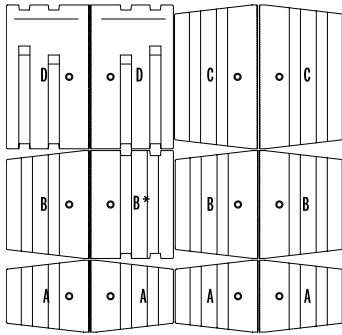
DESCRIPTION: Wall
CODE: 3510
TEXTURE: Chiseled and Aged



CND 2,114,677
US 5,528,873



PALLET OVERVIEW 3510



Specifications per pallet	Imperial	Metric
Cubing	23.25 ft.²	2.16 m ²
Weight	2220 lbs	1007 kg
Minimum radius	6 ft.	1.82 m
Number of rows	3	
	7.75 ft.²/row	0.72 m²/row

APPLICATIONS

Versatile units that can be used to build planters, single walls, steps, edge restraints, pillars, fireplaces and exterior kitchen components.

COMPATIBLE CAPS

Aged, Antique 14", Bullnose, Escala 3.5", Muro Naturale, Niagara, Piedimonte, Portofino, Prima 14" and York.

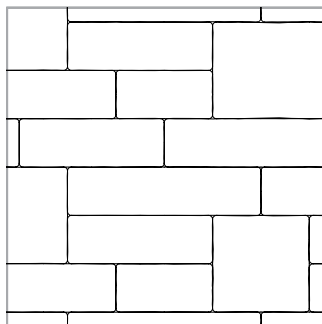
NOTES

B* and **D** unit can be used as a regular and or vertical unit. **D** unit can be used as a regular unit and/or corner.

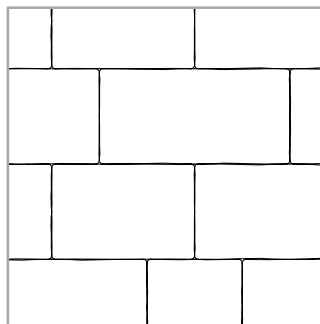
See page 120 for more technical information and installation details.

	Unit dimensions	in	mm	Units/pallet
A	Height	7 7/8	200	12 units
	Depth	9 1/16	230	
	Length 1	7 7/8	200	
	Length 2	5 7/8	150	
B/B*	B Height	7 7/8	200	9 units
	Depth	9 1/16	230	
	Length 1	11 13/16	300	
	Length 2	9 13/16	250	
	B* Height	7 7/8	200	3 units
	Depth	9 1/16	230	
	Length	11 13/16	300	
C	Height	7 7/8	200	6 units
	Depth	9 1/16	230	
	Length 1	15 3/4	400	
	Length 2	13 3/4	350	
D	Height	7 7/8	200	6 units
	Depth	9 1/16	230	3 right corners
	Length	15 3/4	400	3 left corners

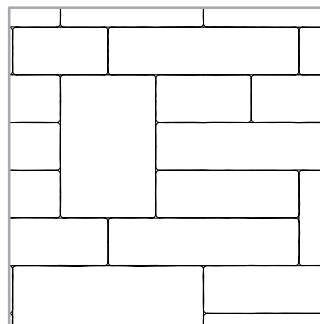
01 | Linear pattern



02 | Linear pattern



03 | Linear pattern with vertical units



01 sandlewood 351001 08 shale grey 351008 16 mojave beige 351016 21 champlain grey 351021 39 harvest gold 351039 40 chestnut brown 351040 41 autumn red 351041 42 oceana 351042



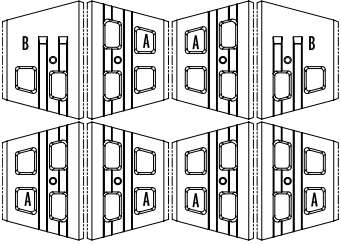


Semma

DESCRIPTION: Wall Double-Sided
CODE: 4260
TEXTURE: Split Face



PALLET OVERVIEW 4260



Specifications per pallet		Imperial	Metric
Cubing: * 40 units		26.25 ft. ²	2.44 m ²
Weight		2300 lbs	1043 kg
Weight by unit	A REGULAR	57 lbs	25.90 kg
	B CORNER	63.50 lbs	28.80 kg
Number of rows		5	
		5.25 ft. ² /row	0.49 m ² /row

COMPATIBLE CAPS

Antique 14", Muro Naturale, Piedimonte, Portofino, Prima 14" and York.

NOTES

The corner units for the Semma block should be glued with a concrete adhesive.

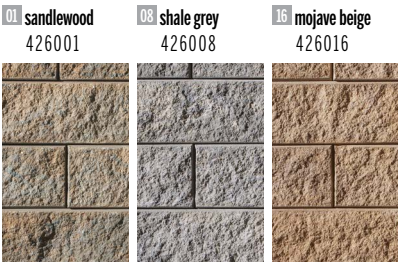
The corner unit can be used as a right or left corner unit and as a regular unit. Metric measures are approximate.

* When building a double-sided wall, the square footage covered per pallet will vary.

See page 120 for more technical information and installation details.

	Unit dimensions	in	mm	Units/pallet	
REGULAR 		Height	5 7/8	150	30 units
		Depth	11	279	
		Length 1	16	406	
		Length 2	10 1/2	266	
CORNER 		Height	5 7/8	150	10 units
		Depth	11	279	
		Length 1	16	406	
		Length 2	10 1/2	266	

WALLS & PILLARS





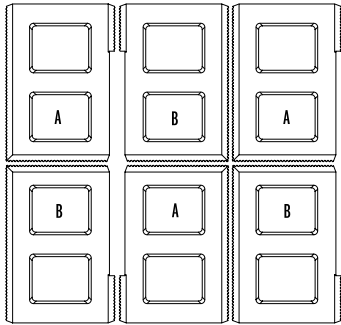
Semma

Corners or Pillar

DESCRIPTION: Corners or Pillar
CODE: 4270
TEXTURE: Split Face



PALLET OVERVIEW 4270



Specifications per pallet	Imperial	Metric
Cubing	24 units	24 units
Weight	1495 lbs	678 kg
Number of rows	4	
Pillar height	35 7/16"	900 mm



Unit dimensions	in	mm	Units/pallet
Height	5 7/8	150	24 units
Depth	10 1/2	266	
Length	16	406	

WALLS & PILLARS

APPLICATIONS

Semma pillars can also be used as corner blocks.

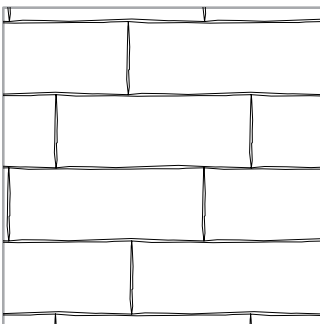
COMPATIBLE CAP

York Pillar Cap 32" x 32".

NOTES

See page 120 for more technical information and installation details.

01 | Linear pattern

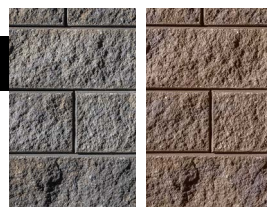


01 sandlewood 427001 **08** shale grey 427008 **16** mojave beige 427016



21 champlain grey 427021 **40** chestnut brown 427040

NEW COLORS



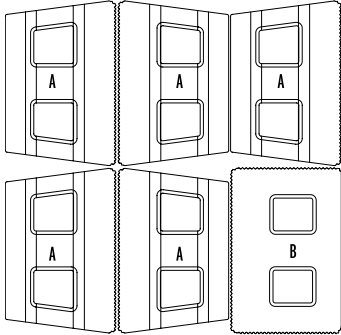
Suprema

Chiseled or Split Face

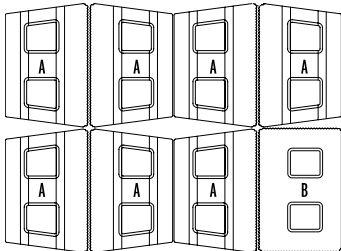
DESCRIPTION: Walls
CODE: 3610 (Chiseled)
 3600 (Split Face)
TEXTURE: Chiseled or Split Face



PALLET OVERVIEW 3610 chiseled



PALLET OVERVIEW 3600 split face



COMPATIBLE CAPS

Antique 14", Muro Naturale, Piedimonte, Portofino, Prima 14" and York.

NOTES

The corners for both the chiseled and split face Suprema have no grooves to accommodate the inserts and must therefore be glued with a concrete adhesive. The corners can be used as right or left corner units or as a regular unit.

See page 120 for more technical information and installation details.

(3610) CHISELED

Specifications per pallet	Imperial	Metric
Cubing	24 ft.²	2.23 m ²
Weight	2493 lbs	1131 kg
Minimum radius	6 ft.	1.82 m
Number of rows	4	
	6 ft. ² /row	0.56 m ² /row



Unit dimensions	in	mm	Units/pallet
Height	8	203	20 units
Depth	12	305	
Length	18	457	



B

Height	8	203	4 units
Depth	12	305	
Length	18	457	

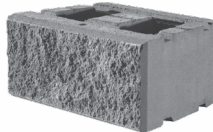


(3600) SPLIT FACE

Specifications per pallet	Imperial	Metric
Cubing	24 ft.²	2.23 m ²
Weight	2560 lbs	1161 kg
Minimum radius	6 ft.	1.82 m
Number of rows	3	
	8 ft. ² /row	0.74 m ² /row



Unit dimensions	in	mm	Units/pallet
Height	8	203	21 units
Depth	12	305	
Length	18	457	



B

Height	8	203	3 units
Depth	12	305	
Length	18	457	



CHISELED

- 01 sandlewood
chiseled 361001
- 08 shale grey
chiseled 361008
- 16 mojave beige
chiseled 361016
- 21 champlain grey
chiseled 361021



NEW COLOR

SPLIT FACE

- 01 sandlewood
split face 360001
- 08 shale grey
split face 360008
- 16 mojave beige
split face 360016
- 21 champlain grey
split face 360021



NEW COLOR



STEPS, CAPS &
OVERLAY SYSTEM



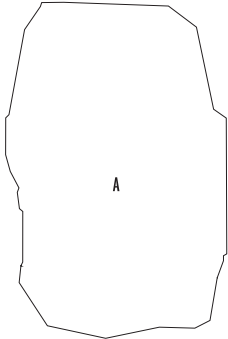
Maya Step

DESCRIPTION: Step
CODE: 2469
TEXTURE: Natural Stone (Slate)



Stonedge
 ■ ■ ■ COLLECTION

PALLET OVERVIEW 2469



Specifications per pallet		Imperial	Metric
Cubing: 1 unit	Approx.	4 lin. ft./pal	1.22 lin. m/pal
Weight		695 lbs	315 kg
Number of rows		1	
	Approx.	10.6 ft. ²	0.98 m ²



Unit dimensions	in	mm	Units/pallet
Thickness	6	152	1 unit
Width	32	813	
Length	48	1219	

STEPS, CAPS & OVERLAY SYSTEM

- 25** riviera
246125
- 37** rock garden brown
246137
- 43** chocolate brown
246143
- 47** baja beige
246147



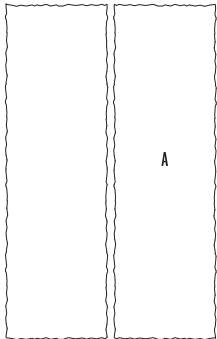
Röcka

Steps

DESCRIPTION: Steps
CODE: 2600 (48") Double-sided
 2609 (60")
TEXTURE: Natural Stone (Fossil Stone)



PALLET OVERVIEW 2600 - 48"



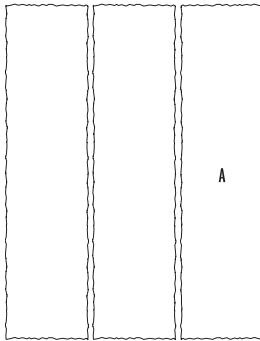
(2600) 48" DOUBLE-SIDED

Specifications per pallet	Imperial	Metric
Cubing: 8 units	32 lin. ft.	9.75 lin. m
Weight	2795 lbs	1268 kg
Number of rows	4	
	8 lin. ft./row	2.44 lin. m/row



Unit dimensions	in	mm	Units/pallet
Height	6	152	8 units
Lower Depth	15	381	
Upper Depth	14 5/8	371	
Length	48	1219	

PALLET OVERVIEW 2609 - 60"



(2609) 60"

Specifications per pallet	Imperial	Metric
Cubing: 3 units	15 lin. ft./pal	4.57 lin. m/pal
Weight	1394 lbs	632 kg
Number of rows	1	



Unit dimensions	in	mm	Units/pallet
Height	6	152	3 units
Lower Depth	15	381	
Upper Depth	14 5/8	371	
Length	60	1524	

STEPS, CAPS & OVERLAY SYSTEM

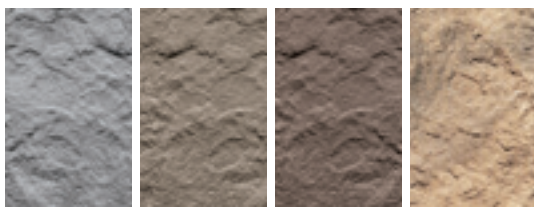
NOTES

Röcka 48" is a double-sided step. Each side has slight natural texture differences. Please take that into consideration when installing them side by side. We recommend keeping the same texture together.

Please note that there is a slight vertical angle on the front and back faces of the step 3/8", from the bottom to the top of the step.

To achieve a natural appearance, stone dimensions can vary up to 1/4" in width.

- 25 | riviera
48 260025
60 260125
- 37 | rock garden brown
48 260037
60 260137
- 43 | chocolate brown
48 260043
60 260143
- 47 | baja beige
48 260047
60 260147





York 60"

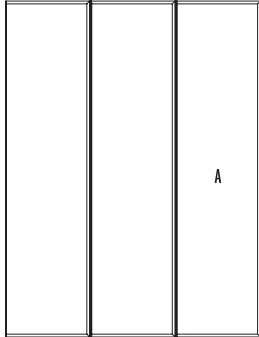
Step

DESCRIPTION: Step
CODE: 2459
TEXTURE: Limestone surface with chiseled edges



Stonedge
 ■ ■ ■ COLLECTION

PALLET OVERVIEW 2459

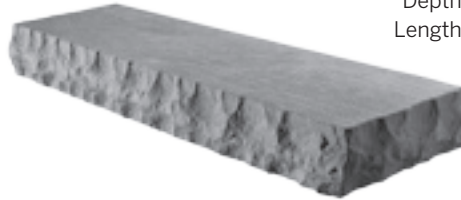


Specifications per pallet	Imperial	Metric
Cubing: 3 units	15 lin. ft./pal	4.57 lin. m/pal
Weight	1394 lbs	632 kg
Number of rows	1	



A

Unit dimensions	in	mm	Units/pallet
Height	6	152	3 units
Depth	15	381	
Length	60	1524	

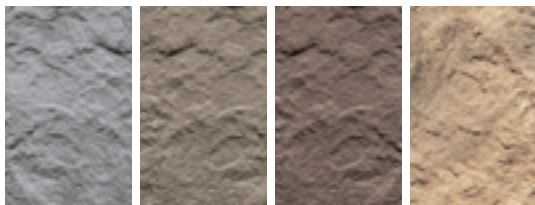


NOTES

York is a single sided step chiseled on 3 sides.

STEPS, CAPS & OVERLAY SYSTEM

- 25 **riviera**
245025
- 37 **rock garden brown**
245037
- 43 **chocolate brown**
245043
- 47 **baja beige**
245047





Blu

45 mm

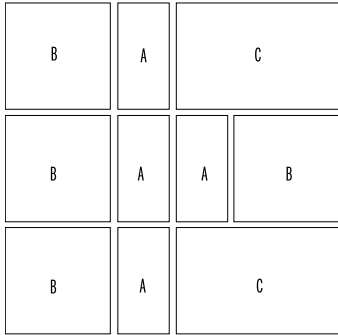
DESCRIPTION: Concrete Overlay System

CODE: 2480

TEXTURE: Slate



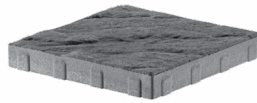
PALLET OVERVIEW 2480



Specifications per pallet	Imperial	Metric
Cubing	127.44 ft.²	11.84
Weight	2560 lbs	1161 kg
Number of rows	12	
	10.62 ft. ² /row	0.99 m ² /row



Unit dimensions	in	mm	Units/pallet
Thickness	1 3/4	45	48 units
Width	13	330	
Length	6 1/2	165	



Thickness	1 3/4	45	48 units
Width	13	330	
Length	13	330	



Thickness	1 3/4	45	24 units
Width	13	330	
Length	19 1/2	495	

APPLICATIONS

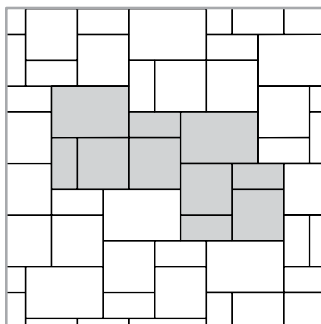
Concrete overlay system.

NOTES

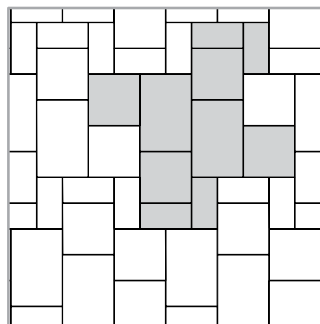
Blu 45 mm should only be used to overlay existing concrete patios.

STEPS, CAPS & OVERLAY SYSTEM

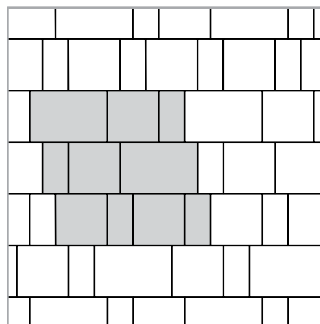
01 | Modular pattern



02 | Modular pattern



03 | Linear pattern



- 01 sandlewood
248001
- 08 Shale grey
248008
- 16 mojave beige
248016
- 21 champlain grey
248021
- 39 harvest gold
248039
- 40 chestnut brown
248040
- 41 autumn red
248041
- 42 oceana
248042





Venetian

Step Overlay System

DESCRIPTION: Step overlay system

CODE: 2590 (riser)

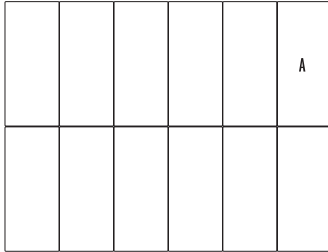
2591 (cap)

2580 (slab)

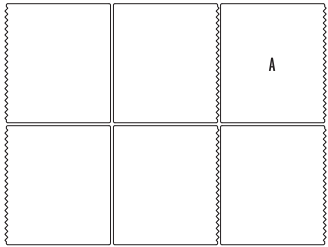
TEXTURE: Slate



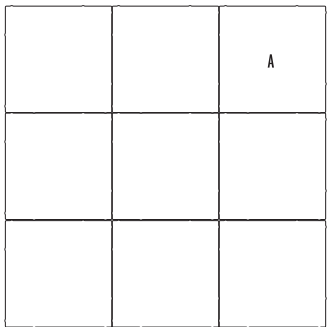
PALLET OVERVIEW 2590 riser



PALLET OVERVIEW 2591 cap



PALLET OVERVIEW 2580 slab



APPLICATIONS

Step overlay system.

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

See page 147 for more technical information and installation details.

(2590) RISER	Specifications per pallet	Imperial	Metric
	Cubing: 48 units	64 lin. ft.	19.52 lin. m
Weight	740 lbs	336 kg	
Units	1.33 lin. ft.	0.41 lin. m	
Number of rows	4		
	16 lin. ft./row	4.88 lin. m/row	



Unit dimensions	in	mm	Units/pallet
Height	1 3/4	45	48 units
Thickness	7	178	
Length	16	406	

(2591) CAP	Specifications per pallet	Imperial	Metric
	Cubing: 48 units	64 lin. ft.	19.52 lin. m
Weight	1500 lbs	680 kg	
Units	1.33 lin. ft.	0.41 lin. m	
Number of rows	8		
	8 lin. ft./row	2.44 lin. m/row	



Unit dimensions	in	mm	Units/pallet
Thickness	1 3/4	45	48 units
Depth	14	356	
Length	16	406	

(2580) SLAB	Specifications per pallet	Imperial	Metric
	Cubing: 108 units	108 ft. ²	10.04 m ²
Weight	2120 lbs	961 kg	
Units	1 ft. ²	0.09 m ²	
Number of rows	12		
	9 ft. ² /row	0.84 m ² /row	



Unit dimensions	in	mm	Units/pallet
Thickness	1 3/4	45	108 units
Width	12	305	
Length	12	305	

- | | | | | | | | |
|---|---|---|---|---|---|---|---|
| 01 sandlewood
riser 259001
cap 259101
slab 258001 | 08 shale grey
riser 259008
cap 259108
slab 258008 | 16 mojave beige
riser 259016
cap 259116
slab 258016 | 21 champlain grey
riser 259021
cap 259121
slab 258021 | 39 harvest gold
riser 259039
cap 259139
slab 258039 | 40 chestnut brown
riser 259040
cap 259140
slab 258040 | 41 autumn red
riser 259041
cap 259141
slab 258041 | 42 oceana
riser 259042
cap 259142
slab 258042 |
|---|---|---|---|---|---|---|---|



STEPS, CAPS & OVERLAY SYSTEM

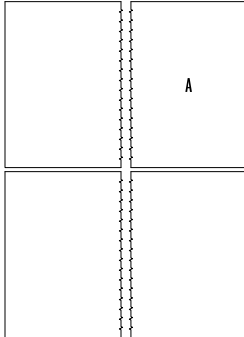


Antique 14" Step

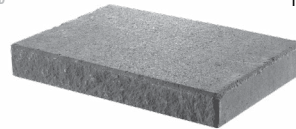
DESCRIPTION: Step
CODE: 3060
TEXTURE: Split Face and Aged



PALLET OVERVIEW 3060



Specifications per pallet	Imperial	Metric
Cubing: 28 units	46.70 lin. ft.	14.30 lin. m
Weight	1950 lbs	885 kg
Number of rows	7	
	6.67 lin. ft./row	2.04 lin. m/row
	1 lin. ft. = 0.6 unit	1 lin. m = 1.96 units



Unit dimensions	in	mm	Units/pallet
Thickness	2 ¹⁵ / ₁₆	75	28 units
Depth	14	355	
Length	20	508	

APPLICATIONS

Cap for single-sided walls and steps.

COMPATIBLE WALLS

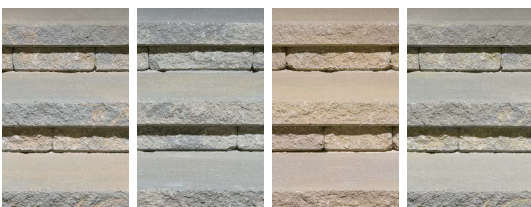
Escala 3.5", Mini-Creta 3" and 6",
 Quarry Stone 100 and 200 mm,
 Semma and Suprema.

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

STEPS, CAPS &
OVERLAY SYSTEM

- 01 sandlewood
306001
- 08 shale grey
306008
- 16 mojave beige
306016
- 21 champlain grey
306021





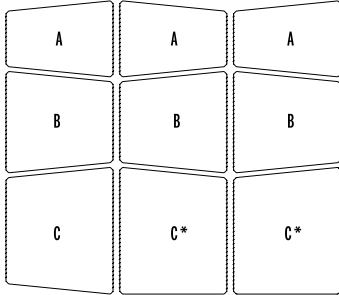
Aged

Cap Double-Sided

DESCRIPTION: Cap Double-Sided
CODE: 3050
TEXTURE: Split Face and Aged



PALLET OVERVIEW 3050



APPLICATIONS

The Aged cap may be used for single- or double-sided walls, benches and stairs.

COMPATIBLE WALLS

Manchester. Mini-Creta 3" and 6" and Quarry Stone 100 and 200 mm.

NOTES

The **C*** unit can be used as left and right corner units. It can also be used as a regular unit.

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

* Onyx black and chocolate brown are only available in half-pallets.

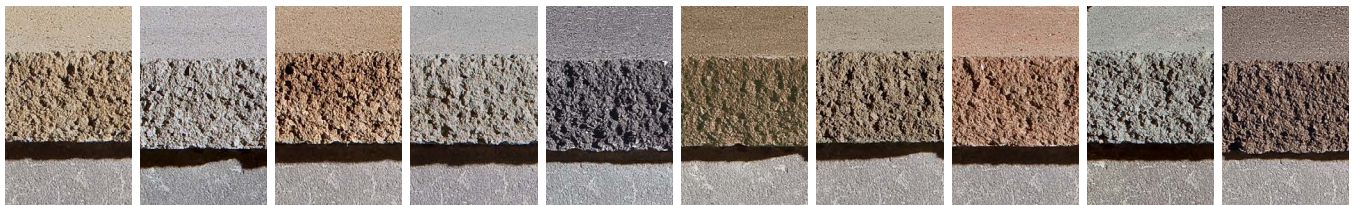
Specifications per pallet	Imperial	Metric
Cubing	66 lin. ft.	20.12 lin. m
Weight	2390 lbs	1084 kg
Number of rows	8	
	8.25 lin. ft./row	2.51 lin. m/row

Specifications Half-pallet*	Imperial	Metric
Cubing	33 lin. ft.	10.06 lin. m
Weight	1190 lbs	540 kg
Number of rows	4	
	8.25 lin. ft./row	2.51 lin. m/row

	Unit dimensions	in	mm	Units/pallet
A	Thickness	2 ¹⁵ / ₁₆	75	24 units
	Depth	12 ¹ / ₂	317	
	Length 1	8 ⁷ / ₈	225	
	Length 2	6 ¹ / ₂	165	
B	Thickness	2 ¹⁵ / ₁₆	75	24 units
	Depth	12 ¹ / ₂	317	
	Length 1	11 ¹³ / ₁₆	300	
	Length 2	9 ⁷ / ₁₆	240	
C	Thickness	2 ¹⁵ / ₁₆	75	8 units
	Depth	12 ¹ / ₂	317	
	Length 1	14 ³ / ₄	375	
	Length 2	12 ³ / ₈	315	
C*	Thickness	2 ¹⁵ / ₁₆	75	16 units
	Depth	12 ¹ / ₂	317	
	Length 1	14 ³ / ₄	375	
	Length 2	13 ⁹ / ₁₆	345	

STEPS, CAPS & OVERLAY SYSTEM

- 01 sandlewood 305001
- 08 shale grey 305008
- 16 mojave beige 305016
- 21 champlain grey 305021
- 27 onyx black * 305027
- 39 harvest gold 305039
- 40 chestnut brown 305040
- 41 autumn red 305041
- 42 oceana 305042
- 43 chocolate brown * 305043



Bali Travertina

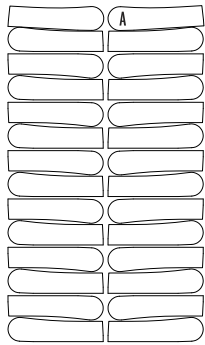
Pool Coping

DESCRIPTION: Pool Coping
CODE: 4111
TEXTURE: Travertine



NEW PRODUCT

PALLET OVERVIEW 4111



Specifications per pallet	Imperial	Metric
Cubing: 28 units	37.34 lin. ft.	11.38 lin. m
Weight	1100 lbs	499 kg
Number of rows	2	
	18.67 lin. ft./row	5.69 lin. m/row



Unit dimensions	in	mm	Units/pallet
Thickness 1	2 1/4	57	28 units
Thickness 2	2 3/4	70	
Depth	12	305	
Length	16	406	

APPLICATIONS

Pool coping.

NOTES

Palletized upright.

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

See page 148 for more technical information and installation details.

STEPS, CAPS & OVERLAY SYSTEM

25 riviera 411125 37 rock garden brown 411137 44 ivory 411144



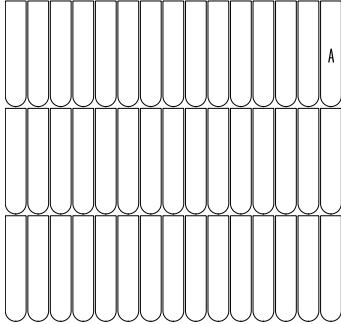


Bullnose Caps

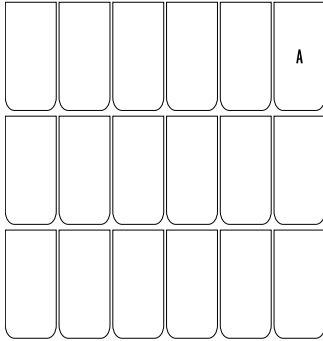
DESCRIPTION: Caps and pool copings
CODE: 4150 (Smooth)
 3070 (Aged)
TEXTURE: Smooth and Aged



PALLET OVERVIEW 4150 smooth



PALLET OVERVIEW 3070 aged



Specifications per pallet	Imperial	Metric
Cubing: 180 units	88.60 lin. ft.	27 lin. m
Units	2 units/lin. ft.	6.56 units/lin. m
Weight	2435 lbs	1104 kg
Number of rows	4	
Bullnose Smooth	22.15 lin. ft./row	6.75 lin. m/row
	1 lin. ft. = 2.03 units	1 lin. m = 6.67 units
Number of rows	10	
Bullnose Aged	8.86 lin. ft./row	2.70 lin. m/row
	1 lin. ft. = 2.03 units	1 lin. m = 6.67 units

Specifications Half-pallet*	Imperial	Metric
Cubing: 90 units	44.30 lin. ft.	13.50 lin. m
Weight	1185 lbs	538 kg
Number of rows	2	
Bullnose Smooth	22.15 lin. ft./row	6.75 lin. m/row
	1 lin. ft. = 2.03 units	1 lin. m = 6.67 units
Number of rows	5	
Bullnose Aged	8.86 lin. ft./row	2.70 lin. m/row
	1 lin. ft. = 2.03 units	1 lin. m = 6.67 units

APPLICATIONS

Bullnose Cap can be used for steps, single-wall caps and/or pool coping.

COMPATIBLE WALLS

Escala 3.5", Manchester, Mini-Creta 3" and 6", Quarry Stone 100 and 200 mm and Semma.

NOTES

* Onyx black and chocolate brown are only available in half-pallets.

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

See page 148 for more technical information and installation details.

SMOOTH
(4150)



Unit dimensions	in	mm	Units/pallet
Thickness	2 3/8	60	180 units
Depth	12	305	
Length	5 7/8	150	

AGED
(3070)



Unit dimensions	in	mm	Units/pallet
Thickness	2 3/8	60	180 units
Depth	12	305	
Length	5 7/8	150	

- 01 sandlewood
smooth 415001
aged 307001
- 08 shale grey
smooth 415008
aged 307008
- 16 mojava beige
smooth 415016
aged 307016
- 21 champlain grey
smooth 415021
aged 307021
- 27 onyx black*
smooth 415027
aged 307027
- 39 harvest gold
smooth 415039
aged 307039
- 40 chestnut brown
smooth 415040
aged 307040
- 41 autumn red
smooth 415041
aged 307041
- 42 oceana
smooth 415042
aged 307042
- 43 chocolate brown*
smooth 415043
aged 307043



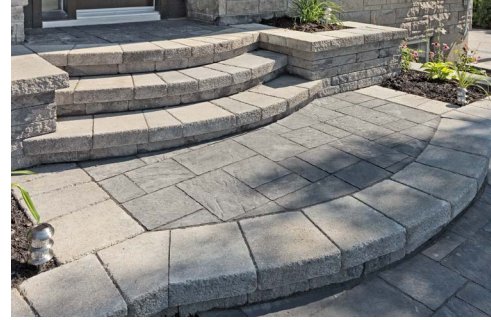
STEPS, CAPS & OVERLAY SYSTEM



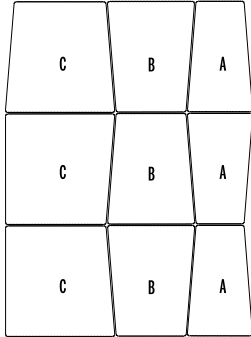
Escala 3.5"

Cap Double-Sided

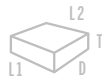
DESCRIPTION: Cap Double-Sided
CODE: 3100
TEXTURE: Smooth Surface, Split and Aged Edge



PALLET OVERVIEW 3100



Specifications per pallet	Imperial	Metric
Cubing	56.70 lin. ft.	17.28 lin. m
Weight	2935 lbs	1331 kg
Number of rows	7	
	8.10 lin. ft./row	2.47 lin. m/row



Unit dimensions	in	mm	Units/pallet
Thickness	3 ⁹ / ₁₆	90	21 units
Depth	14 ¹⁵ / ₁₆	380	
Length 1	8 ⁷ / ₈	225	
Length 2	6 ¹ / ₂	165	
A			
Thickness	3 ⁹ / ₁₆	90	21 units
Depth	14 ¹⁵ / ₁₆	380	
Length 1	11 ¹³ / ₁₆	300	
Length 2	9 ⁷ / ₁₆	240	
B			
Thickness	3 ⁹ / ₁₆	90	21 units
Depth	14 ¹⁵ / ₁₆	380	
Length 1	14 ³ / ₄	375	7 right corners
Length 2	12 ³ / ₈	315	7 left corners
C			

APPLICATIONS

Caps for single-or double-sided walls, bench seats and stairs.

COMPATIBLE WALLS

Escala 3.5", Manchester, Mini-Creta 3" and 6", Quarry Stone 100 and 200 mm, Semma and Suprema.

NOTES

The corner caps can also be used as a regular unit.

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

STEPS, CAPS & OVERLAY SYSTEM



Muro Naturale

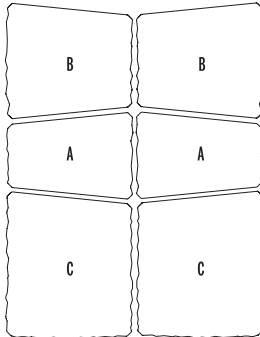
Cap Double-Sided

DESCRIPTION: Cap Double-Sided
CODE: 4130
TEXTURE: Natural Stone (Fossil Stone)



Stonedge
COLLECTION

PALLET OVERVIEW 4130



APPLICATIONS

Caps for single- or double-sided walls, bench seats and stairs.

COMPATIBLE WALLS

Escala 3.5", Manchester, Mini-Creta 3" and 6", Muro Naturale 6" and Quarry Stone 100 and 200 mm.

NOTES

You can use the **C** cap as a left or right corner. It can also be used as a regular unit.

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

Installing the Muro cap on stairs needing winter deicing is not recommended.

Metric measures are approximate.

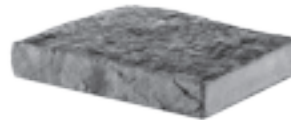
Specifications per pallet	Imperial	Metric
Cubing	58.30 lin. ft.	17.77 lin. m
Weight	2458 lbs	1115 kg
Number of rows	8	
	7.29 lin. ft./row	2.22 lin. m/row



Unit dimensions	in	mm	Units/pallet
Thickness	3	76	16 units
Depth	14 1/2	368	
Length 1	12	305	
Length 2	9 1/2	241	



Thickness	3	76	16 units
Depth	14 1/2	368	
Length 1	15 3/4	400	
Length 2	13 3/4	349	



Thickness	3	76	16 units
Depth	14 1/2	368	
Length 1	19 1/4	489	
Length 2	17 1/2	445	

STEPS, CAPS & OVERLAY SYSTEM

- 27 onyx black
413027
- 37 rock garden brown
413037
- 38 arizona gold
413038
- 43 chocolate brown
413043





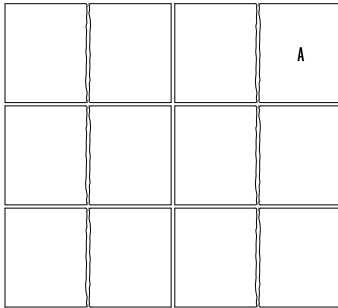
Niagara

Cap

DESCRIPTION: Cap
CODE: 4200
TEXTURE: Sculpted



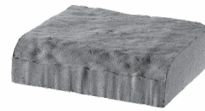
PALLET OVERVIEW 4200



Specifications per pallet	Imperial	Metric
Cubing: 96 units	94.40 lin. ft.	28.77 lin. m
Weight	2800 lbs	1270 kg
Number of rows	8	
	11.80 lin. ft./row	3.60 lin. m/row
	1 lin. ft. = 1.02 units	1 lin. m = 3.34 units



Unit dimensions	in	mm	Units/pallet
Thickness	3 1/8	80	96 units
Depth	9 13/16	250	
Length	11 13/16	300	



APPLICATIONS

Niagara cap can be used as a paving stone border and as a finishing for a step or landing.

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

STEPS, CAPS & OVERLAY SYSTEM

- 01 sandlewood
420001
- 08 shale grey
420008
- 16 mojave beige
420016
- 21 champlain grey
420021
- 39 harvest gold
420039
- 40 chestnut brown
420040
- 41 autumn red
420041
- 42 oceana
420042



Piedimonte

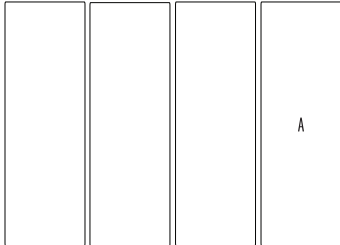
Caps Double-Sided

DESCRIPTION: Caps Double-Sided
CODE: 4282 (12×30) Wall cap
 4281 (14×30) Wall & step cap
 4299 (28×28) Pillar cap
TEXTURE: Smooth

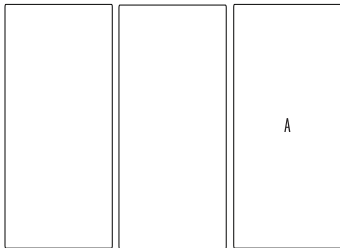


NEW PRODUCTS

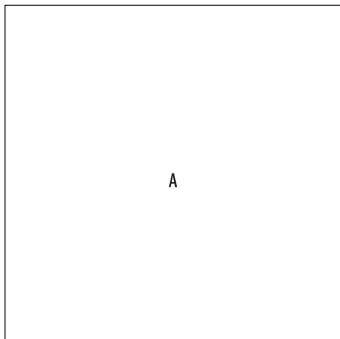
PALLET OVERVIEW 4282 - 12×30



PALLET OVERVIEW 4281 - 14×30



PALLET OVERVIEW 4299 - 28×28



APPLICATIONS

Swimming pool edges, borders for Inca and Monticello slabs. Piedimonte can also be used as a cap on single-or double-sided walls.

COMPATIBLE WALLS

Escala 3.5", Manchester, Mini-Creta 3" and 6", Muro Naturale 6", Quarry Stone 100 and 200 mm, Semma and Suprema.

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

Metric measures are approximate.

Specifications per pallet	Imperial	Metric
Cubing	80 lin. ft.	24.39 lin. m
Weight	2095 lbs	950 kg
Number of rows	8	
	10 lin. ft./row	3.05 lin. m/row

(4282) 12×30 WALL CAP

Unit dimensions	in	mm	Units/pallet
Height	2 1/4	57	32 units
Depth	11 3/4	298	
Length	30	762	

Specifications per pallet	Imperial	Metric
Cubing	60 lin. ft.	18.29 lin. m
Weight	1840 lbs	835 kg
Number of rows	8	
	7.5 lin. ft./row	2.29 lin. m/row

(4281) 14×30 WALL & STEP CAP

Unit dimensions	in	mm	Units/pallet
Height	2 1/4	57	24 units
Depth	14	356	
Length	30	762	

Specifications per pallet	Imperial	Metric
Cubing	6 units	
Weight	1380 lbs	626 kg
Number of rows	6	

(4299) 28×28 PILLAR CAP

Unit dimensions	in	mm	Units/pallet
Thickness	2 7/8	73	6 units
Width	28	711	
Length	28	711	

- 25 riviera**
 12x30 428225
 14x30 428125
 28x28 429925
- 27 onyx black**
 12x30 428227
 14x30 428127
 28x28 429927
- 37 rock garden brown**
 12x30 428237
 14x30 428137
 28x28 429937



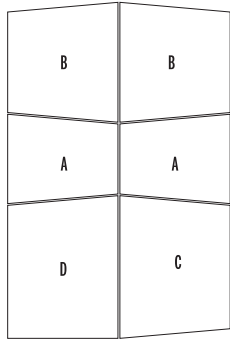
Portofino

Cap Double-Sided





DESCRIPTION: Cap Double-Sided
CODE: 4220
TEXTURE: Natural Stone (Fossil Stone)



PALLET OVERVIEW 4220



Specifications per pallet	Imperial	Metric
Cubing	50.22 lin. ft.	15.30 lin. m
Weight	1591 lbs	722 kg
Number of rows	7	

	Unit dimensions	in	mm	Units/pallet
	Thickness Depth Length 1 Length 2	2 1/4 14 1/2 11 3/4 9 3/8	57 368 298 238	14 units
	Thickness Depth Length 1 Length 2	2 1/4 14 1/2 15 7/8 13 3/4	57 368 403 349	14 units
	Thickness Depth Length 1 Length 2	2 1/4 14 1/2 18 13/16 16 1/2	57 368 478 419	7 units
	Thickness Depth Length 1 Length 2	2 1/4 14 1/2 19 19	57 368 483 483	7 units

APPLICATIONS

Swimming pool edges, borders for Inca and Monticello slabs. Portofino can also be used as a cap on single- or double-sided walls.

COMPATIBLE WALLS

Escala 3.5", Manchester, Mini-Creta 3" and 6", Muro Naturale 6" and Quarry Stone 100 and 200 mm.

NOTES

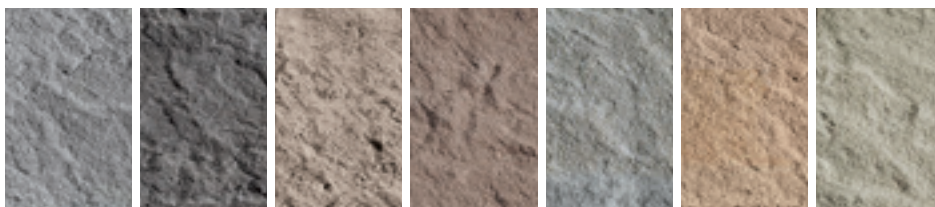
You can use the **D** cap as a left or right corner. It can also be used as a regular unit.

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

Metric measures are approximate.

STEPS, CAPS & OVERLAY SYSTEM

- 25 riviera 422025
- 27 onyx black 422027
- 37 rock garden brown 422037
- 43 chocolate brown 422043
- 46 azzurro 422046
- 47 baja beige 422047
- 48 olive 422048





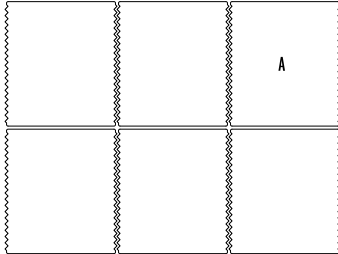
Prima 14"

Cap Double-Sided

DESCRIPTION: Cap Double-Sided
CODE: 3120
TEXTURE: Smooth surface,
 Split and Aged Edge



PALLET OVERVIEW 3120



Specifications per pallet	Imperial	Metric
Cubing: 48 units	64 lin. ft.	19.51 lin. m
Weight	2655 lbs	1204 kg
Number of rows	8	
	8 lin. ft./row	2.44 lin. m/row
	1 lin. ft. = 0.75 unit	1 lin. m = 2.46 units

APPLICATIONS

Double-sided walls, caps for bench seats, ramps and balustrades.

COMPATIBLE WALLS

Escala 3.5", Mini-Creta 3" and 6", Quarry Stone 100 and 200 mm, Semma and Suprema.

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.



Unit dimensions	in	mm	Units/pallet
Thickness	2 ¹⁵ / ₁₆	75	48 units
Depth	14	356	
Length	16	406	

STEPS, CAPS & OVERLAY SYSTEM

- 01 sandlewood 312001
- 08 shale grey 312008
- 16 mojave beige 312016
- 21 champlain grey 312021
- 39 harvest gold 312039
- 40 chestnut brown 312040
- 41 autumn red 312041
- 42 oceana 312042



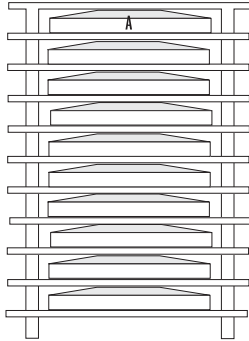
Stonedge

Pillar Cap

DESCRIPTION: Pillar Cap
CODE: 4199
TEXTURE: Natural Stone (Slate)



PALLET OVERVIEW 4199



Specifications per pallet	Imperial	Metric
Cubing	6 units	6 units
Weight	1400 lbs	635 kg
Number of rows	6	



A



Unit dimensions	in	mm	Units/pallet
Thickness	3	76	6 units
Width	28	711	
Length	28	711	

APPLICATIONS

The 28" x 28" Stonedge Pillar Cap is fitted for 24" x 6" (Mini-Creta) and 24" x 3" (Mini-Creta) pillars.

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

AVAILABLE UPON REQUEST

STEPS, CAPS & OVERLAY SYSTEM

- 27 onyx black 28x28 419927
- 43 chocolate brown 28x28 419943
- 47 baja beige 28x28 419947





Vega

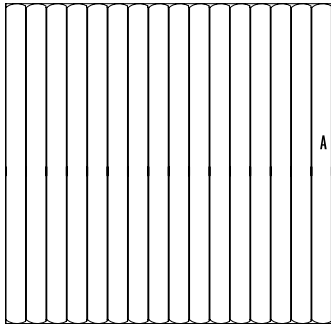
Counter Top

DESCRIPTION: Counter Top
CODE: 4300
TEXTURE: Granite



NEW PRODUCT

PALLET OVERVIEW 4300



Specifications per pallet	Imperial	Metric
Cubing	16 units	16 units
Weight	2600 lbs (Approx.)	1179 kg (Approx.)
Number of rows	1	



Unit dimensions	in	mm	Units/pallet
Height	2	51	16 units
Depth	23	584	
Length	35	889	

APPLICATIONS

Vega Counter top is an excellent choice for seating walls, giant steps and thresholds, as counter tops, and in stepper applications, both on the ground and just above water.

NOTES

Palletized upright.

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

Metric measures are approximate.

STEPS, CAPS & OVERLAY SYSTEM

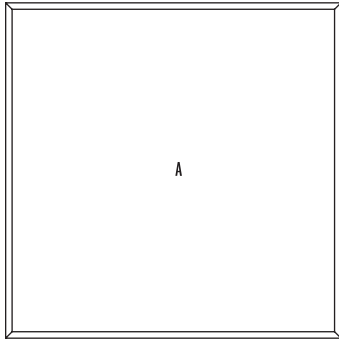
60 galaxie black
430060



York

Pillar Caps

PALLET OVERVIEW 4258 - 28" and 4259 - 32"



APPLICATIONS

York caps are an excellent choice for seating walls, giant steps and thresholds, as counter tops, and in stepper applications, both on the ground and just above water.

NOTES

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

DESCRIPTION: Pillar Caps
CODE: 4258 (28"), 4259 (32")
TEXTURE: Limestone surface with chiseled edges



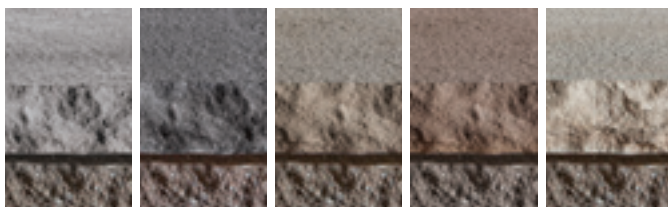
Specifications per pallet		Imperial	Metric
(4258) 28"	Cubing	6 units	6 units
	Weight	1620 lbs	735 kg
	Number of rows	6	

	Unit dimensions		in	mm	Units/pallet 6 units
	Thickness	3 1/2	89		
	Width	28 3/4	730		
	Length	28 3/4	730		

Specifications per pallet		Imperial	Metric
(4259) 32"	Cubing	6 units	6 units
	Weight	1950 lbs	885 kg
	Number of rows	6	

	Unit dimensions		in	mm	Units/pallet 6 units
	Thickness	3 1/2	89		
	Width	32	813		
	Length	32	813		

- 25 riviera
28x28 425825
32x32 425925
- 27 onyx black
28x28 425827
32x32 425927
- 37 rock garden brown
28x28 425837
32x32 425937
- 43 chocolate brown
28x28 425843
32x32 425943
- 44 ivory
28x28 425844
32x32 425944



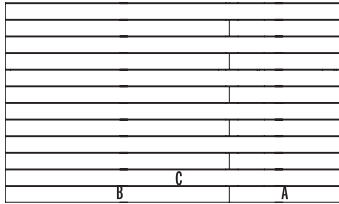


York Wall Caps

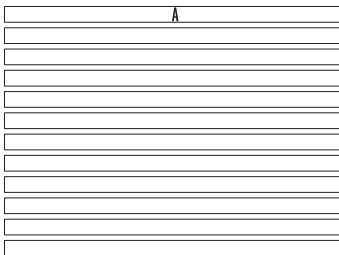
DESCRIPTION: Wall Caps
CODE: 4240 (14×16, 14×32, 14×48)
 4242 (14×48)
TEXTURE: Limestone surface with
 chiseled edges



PALLET OVERVIEW 4240



PALLET OVERVIEW 4242



APPLICATIONS

Multi-purpose York caps are the right choice for more than capping seating walls. Use them to cap retaining walls and double-sided fence walls, or as pool copings. They are ideal in slab applications and pathways, and you can continue your design by installing them as steps or use them as steppers across a lawn or pool. The perfect bar top, a York cap even makes a great low coffee table.

NOTES

Palletized upright.

Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

Metric measures are approximate.

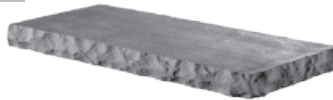
Specifications per pallet	Imperial	Metric
Cubing	48 lin. ft.	14.63 lin. m
Weight	1597 lbs	724 kg
Number of rows	1	

(4240) 14×16, 14×32, 14×48



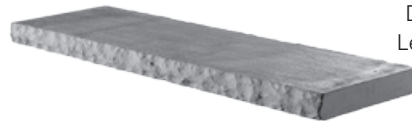
Unit dimensions	in	mm	Units/pallet
Thickness	2 1/4	57	6 units
Depth	14	356	
Length	16	406	

B



Thickness	2 1/4	57	6 units
Depth	14	356	
Length	32	813	

C

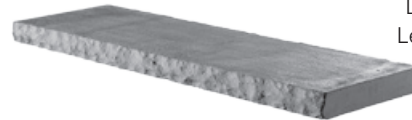


Thickness	2 1/4	57	6 units
Depth	14	356	
Length	48	1219	

NEW PRODUCT

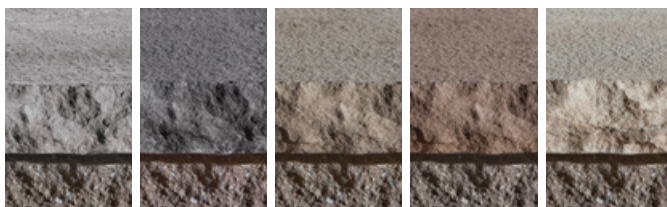
(4242) 14"×48"

Specifications per pallet	Imperial	Metric
Cubing	48 lin. ft.	14.63 lin. m
Weight	1552 lbs	704 kg
Number of rows	1	
	4 lin. ft./unit	1.22 lin. m/unit



Unit dimensions	in	mm	Units/pallet
Thickness	2 1/4	57	12 units
Depth	14	356	
Length	48	1219	

- 25 riviera
424025
14x48 424225
- 27 onyx black
424027
14x48 424227
- 37 rock garden brown
424037
14x48 424237
- 43 chocolate brown
424043
14x48 424243
- 44 ivory
424044
14x48 424244



STEPS, CAPS & OVERLAY SYSTEM



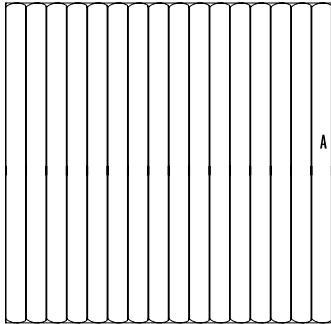
York

Counter Top 24" x 36"

DESCRIPTION: Counter Top
CODE: 4241
TEXTURE: Limestone surface with chiseled edges

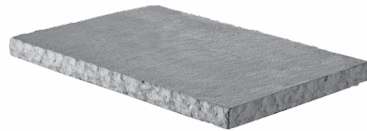


PALLET OVERVIEW 4241



Specifications per pallet	Imperial	Metric
Cubing	16 units	16 units
Weight	2656 lbs	1204 kg
Number of rows	1	

Unit dimensions	in		mm		Units/pallet
	Thickness	Depth	Thickness	Depth	
Thickness	2 1/4	24	57	610	16 units
Depth	36	36	914	914	
Length					



APPLICATIONS

York counter top is an excellent choice for seating walls, giant steps and thresholds, as counter tops, and in stepper applications, both on the ground and just above water.

NOTES

Palletized upright.

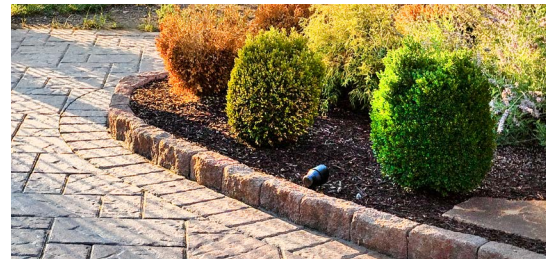
Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

Metric measures are approximate.

STEPS, CAPS & OVERLAY SYSTEM

- 25 riviera
424125
- 27 onyx black
424127
- 37 rock garden brown
424137
- 43 chocolate brown
424143
- 44 ivory
424144





EDGES



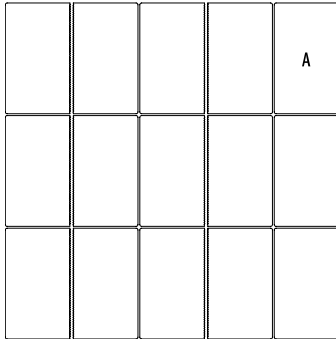


Avignon

DESCRIPTION: Edge
CODE: 5020
TEXTURE: Chiseled top and one sculpted side



PALLET OVERVIEW 5020



Specifications per pallet	Imperial	Metric
Cubing: 90 units	90 lin. ft.	27.44 lin. m
Weight	2750 lbs	1247 kg
Number of rows	6	
	15 lin. ft/row	4.57 lin. m/row
	1 lin. ft. = 1 unit	1 lin. m = 3.28 units



Unit dimensions	in	mm	Units/pallet
Height	7	178	90 units
Width	4 1/2	114	
Length	12	305	

NOTES

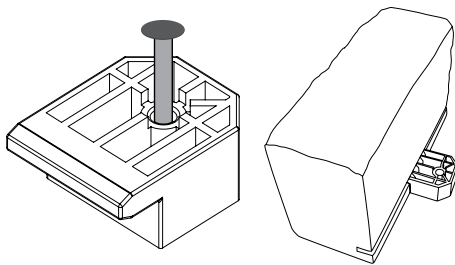
The Avignon and Pietra edges come with a plastic edge restraint system that can receive an 8" or 10" (200 mm or 250 mm) nail.

The edge restraint is easily inserted in the back groove of the block and secures the block in place with the use of an 8" or 10" (200 mm or 250 mm) nail. Nail is not included.

See page 149 for more technical information and installation details.

PLASTIC EDGE RESTRAINT SYSTEM.

(Nail is not included)



EDGES

- 01 sandlewood
502001
- 08 shale grey
502008
- 16 mojave beige
502016
- 21 champlain grey
502021
- 39 harvest gold
502039
- 40 chestnut brown
502040
- 41 autumn red
502041
- 42 oceana
502042



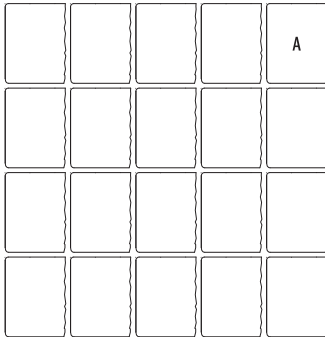


Belgik

DESCRIPTION: Edge
CODE: 5000
TEXTURE: Split Face and Aged



PALLET OVERVIEW 5000



Specifications per pallet	Imperial	Metric
Cubing: 120 units	98.42 lin. ft.	30 lin. m
Weight	2665 lbs	1209 kg
Number of rows	6	
	16.40 lin. ft./row	5 lin. m/row
	1 lin. ft. = 1.22 units	1 lin. m = 4 units



Unit dimensions	in	mm	Units/pallet
Height	7	177	120 units
Width	3 ¹⁵ / ₁₆	100	
Length	9 ¹³ / ₁₆	250	

NOTES

The Belgik border can be installed with mortar joints.

See page 149 for more technical information and installation details.



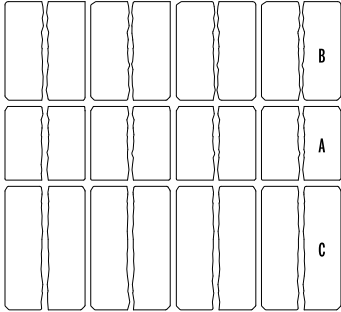


Pietra

DESCRIPTION: Edge
CODE: 5010
TEXTURE: Split Face and Aged



PALLET OVERVIEW 5010



Specifications per pallet	Imperial	Metric
Cubing	96 lin. ft.	29.20 lin. m
Weight	1285 lbs	583 kg
Number of rows	4	
	(Average) 1 lin. ft. = 1 unit	1 lin. m = 3.28 units

	Unit dimensions	in	mm	Units/pallet
A	Height	4 1/2	114	32 units
	Width	3 1/8	80	
	Length	8 7/8	225	
B	Height	4 1/2	114	32 units
	Width	3 1/8	80	
	Length	11 13/16	300	
C	Height	4 1/2	114	32 units
	Width	3 1/8	80	
	Length	14 3/4	375	

NOTES

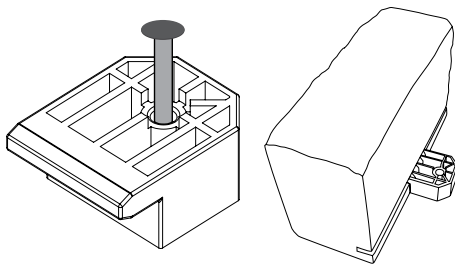
The Avignon and Pietra edges come with a plastic edge restraint system that can receive an 8" or 10" (200 mm or 250 mm) nail.

The edge restraint is easily inserted in the back groove of the block and secures the block in place with the use of an 8" or 10" (200 mm or 250 mm) nail. Nail is not included.

See page 149 for more technical information and installation details.

PLASTIC EDGE RESTRAINT SYSTEM.

(Nail is not included)



EDGES

- 01** sandlewood
501001
- 08** shale grey
501008
- 16** mojave beige
501016
- 21** champlain grey
501021
- 39** harvest gold
501039
- 40** chestnut brown
501040
- 41** autumn red
501041
- 42** oceana
501042



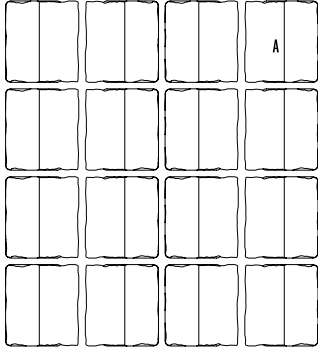


Tundra

DESCRIPTION: Edge
CODE: 5540
TEXTURE: Slate



PALLET OVERVIEW 5540



Specifications per pallet	Imperial	Metric
Cubing: 64 units	52.50 lin. ft.	16 lin. m
Weight	2520 lbs	1143 kg
Number of rows	4	
	13.12 lin. ft./row	4 lin. m/row
	1 lin. ft. = 1.22 units	1 lin. m = 4 units



Unit dimensions	in	mm	Units/pallet
Height 1	3 ⁹ / ₁₆	90	64 units
Height 2	6 ⁵ / ₁₆	160	
Width 1	4	102	
Width 2	8 ⁷ / ₈	225	
Length	9 ¹³ / ₁₆	250	

NOTES

See page 150 for more technical information and installation details.

EDGES





OUTDOOR FEATURES



Foyer

HARVEST GOLD

DESCRIPTION: Fireplace



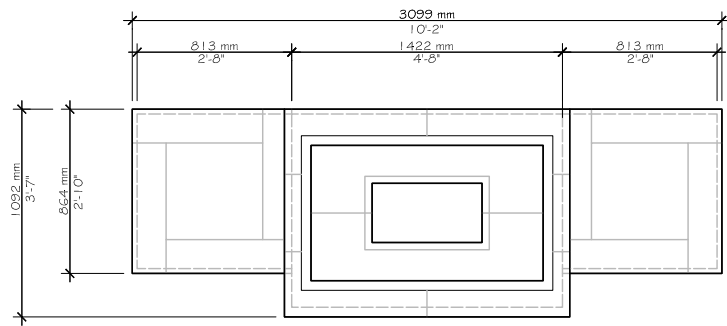
Top Section (with chimney)	imperial	metric
Code: 833139		
Weight	1958 lbs	890 kg
Height	52 1/4"	1327 mm
Width	51 3/8"	1305 mm
Thickness	31 5/8"	803 mm

Woodbox (With York Cap)	imperial	metric
Woodbox Code - Left: 833239		
Woodbox Code - Right: 833339		
Weight	1474 lbs	670 kg
Height	29 7/8"	759 mm
Width	33 1/2"	851 mm
Thickness	34 5/8"	879 mm

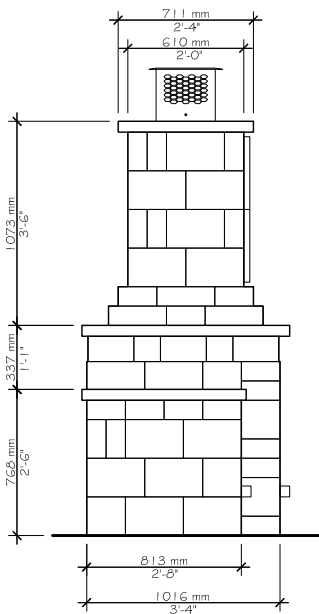
Bottom Section	imperial	metric
Code: 833039		
Weight	4554 lbs	2070 kg
Height	43 1/2"	1105 mm
Width	59 1/4"	1505 mm
Thickness	43 1/4"	1099 mm

NOTES

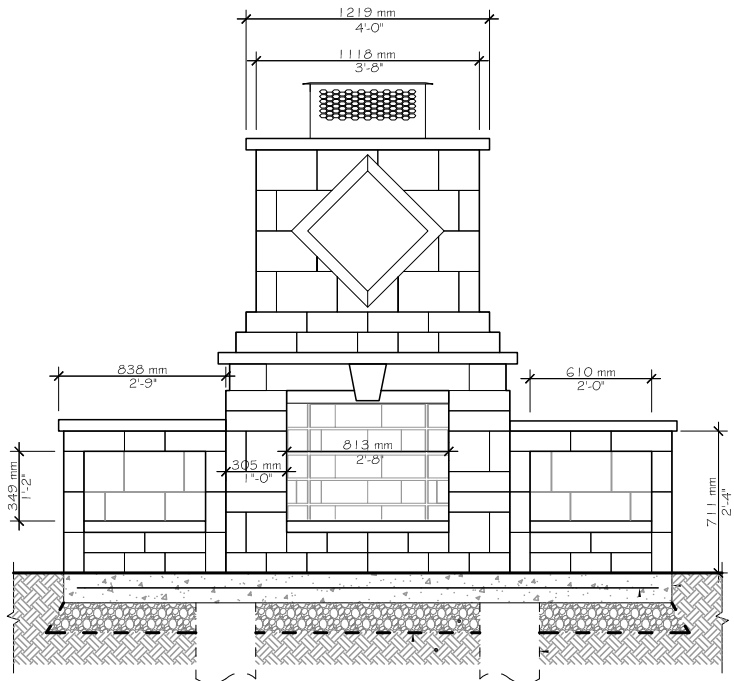
See pages 152 to 155 for more technical information and installation details.



TOP



SIDE



FRONT

39 harvest gold



OUTDOOR
FEATURES

Foyer Oceana



DESCRIPTION: Fireplace



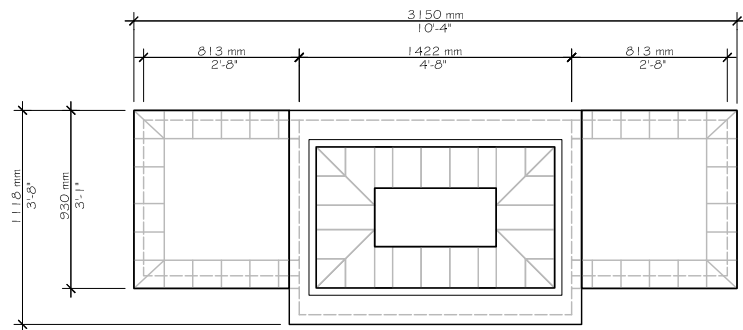
Top Section (with chimney)	imperial	metric
Code: 833142		
Weight	2046 lbs	930 kg
Height	52 3/8"	1330 mm
Width	51 1/4"	1302 mm
Thickness	31 1/2"	800 mm

Bottom Section	imperial	metric
Code: 833042		
Weight	4598 lbs	2090 kg
Height	43 3/8"	1102 mm
Width	59 3/4"	1518 mm
Thickness	44 1/4"	1124 mm

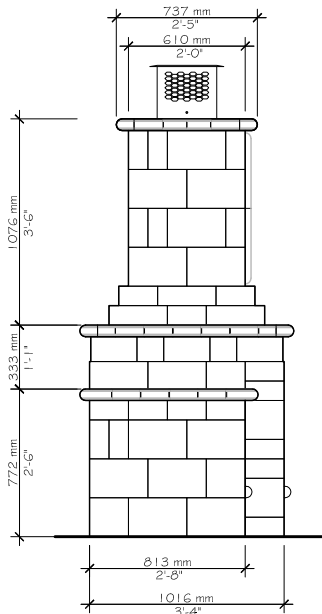
NOTES

See pages 152 to 155 for more technical information and installation details.

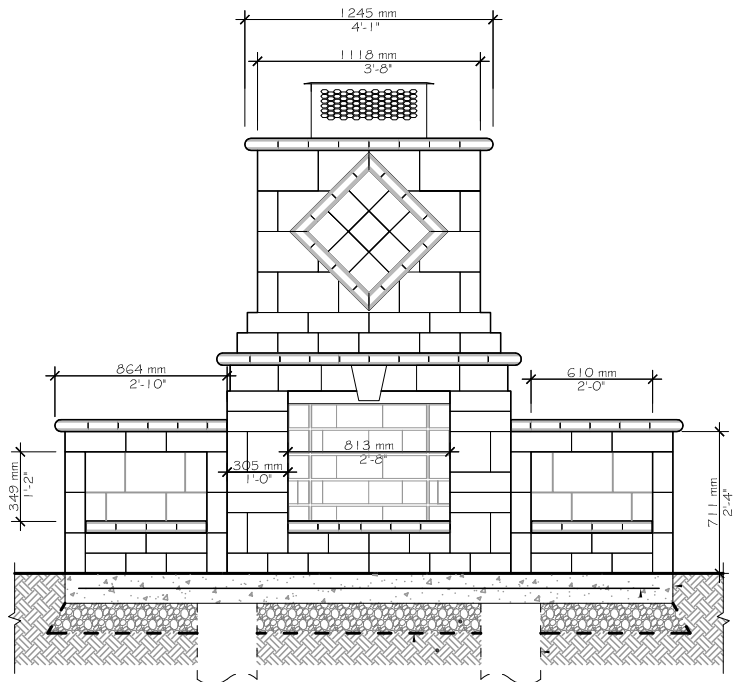
Woodbox (With Bullnose Cap)	imperial	metric
Woodbox Code - Left: 833242		
Woodbox Code - Right: 833342		
Weight	1496 lbs	680 kg
Height	30 1/4"	768 mm
Width	34"	864 mm
Thickness	36 3/4"	933 mm



TOP



SIDE



FRONT

OUTDOOR
FEATURES

42 oceana





Valencia

Fire pit

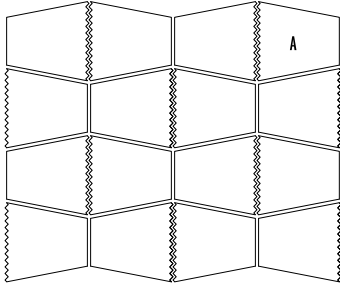
DESCRIPTION: Fire pit
CODE: 8311
TEXTURE: Split Face and Aged



TECHO-BLOC WARRANTY APPLIES TO VALENCIA STONES
 THE WARRANTY **DOES NOT APPLY** TO ACCESSORY KIT



PALLET OVERVIEW 8311



Specifications per pallet	Imperial	Metric
Cubing	80 units	80 units
Weight	1535 lbs	696 kg
Height	14 3/4"	0.375 m (375 mm)
Exterior Diameter	48 15/16"	1.243 m (1243 mm)
Interior Diameter	29 1/8"	0.74 m (740 mm)
Number of rows	5	

APPLICATIONS

Circular garden wall or when used with Valencia fire bowl kit, converts to a fireplace.

NOTES

The Spark screen should always cover the fire bowl when the fireplace is in use.

See page 151 for more technical information and installation details.



Unit dimensions	in	mm	Units/pallet
Height	2 15/16	75	80 units
Depth	9 13/16	250	
Length	9 3/4	247	



COMPLETE ACCESSORIES KIT

code 8320 100 lbs/45kg

FIRE BOWL ELEMENTS WHEN SOLD SEPARATELY

code 8321 Spark screen: 16" (406 mm) height - 28 1/2" (724 mm) diameter

code 8322 Firebowl: 30 1/2" (775 mm) diameter - 7" (178 mm) depth

code 8323 Log support grill: 17" (432 mm) diameter

code 8324 Poker stick

- 01 sandlewood
831101
- 08 shale grey
831108
- 16 mojave beige
831116
- 21 champlain grey
831121
- 39 harvest gold
831139
- 40 chestnut brown
831140
- 41 autumn red
831141
- 42 oceana
831142



Grill Island

Mini-Creta

DESCRIPTION: BBQ Grill Island
TEXTURE: Split Face and Aged



NOTES

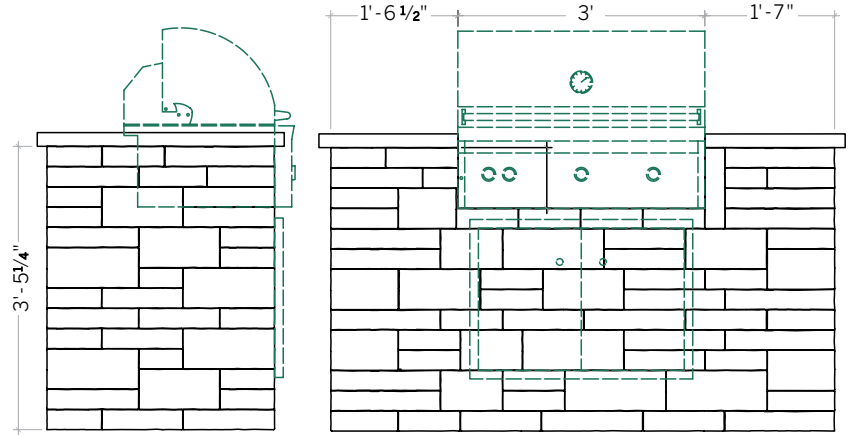
See pages 156 to 159 for more technical information and installation details.

Not sold pre-assembled.
Appliances not included



WARNING:

When installing the built-in grill, refer to the manufacturer's instruction guide for all specifications and requirements for natural gas or propane tank location, installation and ventilation.

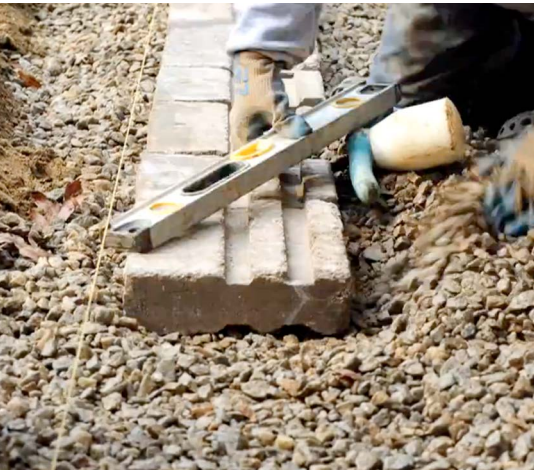


REQUIRED PRODUCTS

6 ft.	PALLET	UNITS USED	UNITS REMAINING
Pillar 24" x 3"	1/2 pal.	A 24	
Mini-Creta 3"	1 pal.	A 31 B 24 B* 8 C 16 D 16	A 1
Mini-Creta 6"	1 pal.	A 6 B 11 B* 2 C 9 D 8	A 14 B 4 B* 3 C 1 D 2
8 ft.	PALLET	UNITS USED	UNITS REMAINING
Pillar 24" x 3"	1/2 pal.	A 24	
Mini-Creta 3"	1 pal. + 5 rows	A 51 B 38 B* 11 C 25 D 24	A 1 B 1 B* 2 C 1 D 2
Mini-Creta 6"	1 pal.	A 7 B 12 B* 4 C 7 D 8	A 13 B 3 B* 1 C 3 D 2
10 ft.	PALLET	UNITS USED	UNITS REMAINING
Pillar 24" x 3"	1/2 pal.	A 24	
Mini-Creta 3"	2 pal.	A 64 B 47 B* 16 C 32 D 32	B 1
Mini-Creta 6"	1 pal.	A 14 B 11 B* 4 C 9 D 8	A 6 B 4 B* 1 C 1 D 2
12 ft.	PALLET	UNITS USED	UNITS REMAINING
Pillar 24" x 3"	1/2 pal.	A 24	
Mini-Creta 3"	2 pal. + 6 rows	A 88 B 62 B* 22 C 44 D 44	B 1 B 4
Mini-Creta 6"	1 pal.	A 11 B 9 B* 2 C 8 D 9	A 9 B 6 B* 3 C 2 D 1

- 01 sandlewood
- 08 shale grey
- 16 mojave beige
- 21 champlain grey
- 27 onyx black *
- 39 harvest gold
- 40 chestnut brown
- 41 autumn red
- 42 oceana
- 43 chocolate brown *





INSTALLATION GUIDE

Installation guide

Interlocking Concrete Pavement

INSTALLATION OUTLINE

01 EXCAVATION

- A. Before excavating, call all the local utility companies (e.g., phone, gas, electrical) to ensure that the area in which you plan to dig is clear of underground cables or wires. If any are found, please notify the appropriate companies before you begin.
- B. When excavating, it is important to achieve a slope in increments of 1.5% ($\frac{3}{16}$ " per ft./5 mm per 300 mm), which will allow for proper drainage. The excavation should mirror the final grade of pavement.
- C. The width of the base behind the edge should be equivalent to the thickness of the base.
- D. Using a rake, grade the bottom of the excavated area. If the natural soil is granular or sandy, we recommend that you compact the soil with a vibrating plate. If the soil is clay-like, change the soil with a blend of lime and crushed stone prior to compaction. Next, cover it with a layer of geotextile fabric to prevent the contamination of the base (clay and 0- $\frac{3}{4}$ " [0-20 mm] crushed stone).

02 FOUNDATION

- A. Install a 0- $\frac{3}{4}$ " (0-20 mm) crushed stone base, in 4" (100 mm) lifts with a minimum 5,000 lbf (22 kN) vibrating plate compactor.
- B. To facilitate compacting, wet the base material thoroughly and compact with a vibrating plate proceeding in all directions. Continue this process until you have achieved the desired height. At this stage, you can verify the final height with the help of a paver.
- C. Base tolerance $\pm \frac{3}{8}$ " (10 mm) for every 10' (3-m) increment.

03 THE SETTING BED

- A. On the compacted crushed base, install two pipes with an outside diameter of 1" (25 mm). Grade the concrete sand with the help of a straight edge (or Quick-E leveler). If the base is not properly graded and smooth, imperfections will be evident in the finishing grade of the pavement.
- B. Bedding sand should not be compacted until all paving stones have been laid down. Passing the vibrating plate over the paving stones causes them to settle approximately $\frac{3}{8}$ " (10 mm) into the bedding sand.

04 INSTALLATION OF PAVING STONES

- A. Once the choice of paving stones and the design have been finalized, we recommended that you start installing the pavers at a 90-degree angle. To do so, proceed as follows: measure a first horizontal line of 3' (1-m) and a second line of 4' (1.2 m) perpendicular to the first. Connect a third straight line of 5' (1.5 m) which will form a triangle. The result will be a perfect 90-degree angle. While installing the paving stones, walk on the installed pavers, and fill in gaps caused by the pipes with concrete sand.
- B. It is always recommended that you use more than two cubes at a time in order to maximize the color blend. Furthermore, you should proceed with the cubes from top to bottom.
- C. You may use a chalk line to mark the stones to be cut along the borders, using a guillotine or a concrete saw. When cutting paving stones, we recommend that you wear protective ear and eyewear.
- D. Once you finish installing the paving stones, you can then install Tundra, Avignon, Belgik or Pietra curbstone on the granular base. To keep curbs in place, add mortar along the back to form a 45-degree angle between the ground and the curbstone or, when available, using the plastic retention system. In a vehicular traffic application, the mortar must be reinforced using steel rods.

05 FILLING IN JOINTS

- A. Spread out the polymer stabilizer sand on the paving stones and sweep in between joints in all directions.
- B. Pass a vibrating plate in all directions to allow sand to penetrate between the joints.
- C. Sweep once more and remove excess sand. Follow the instructions exactly as indicated on the polymer stabilizer sand packaging.

Installation guide

Interlocking Concrete Pavement



VIBRATING PLATE ALERT!

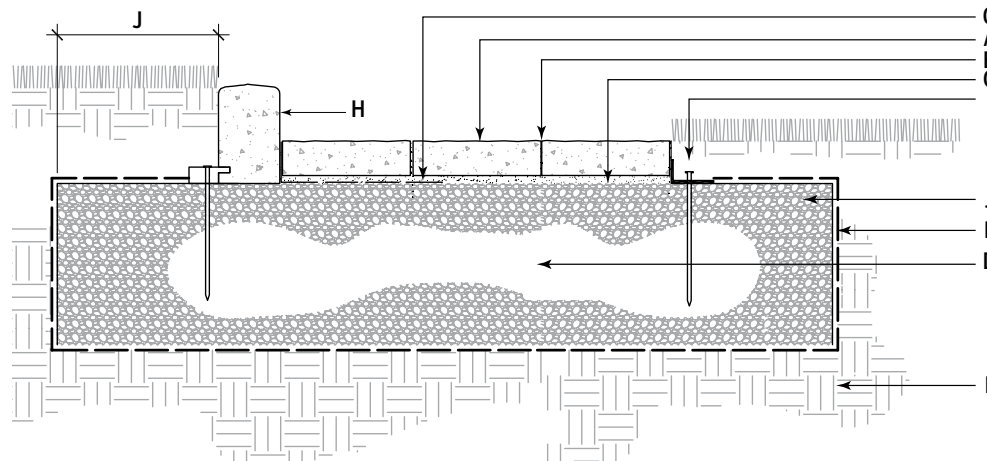
Avoid scuffs on paver surfaces. Pavers with embossed surfaces (high and low points) are more susceptible to scuff marks from plate compactors. Techo-Bloc recommends the use of urethane mats between the plate and the paver surface when compacting. Techo-Bloc will not be held responsible for compaction scuffs or burns on pavers.

NOTE: STABILIZING SAND

Approximate surface coverage per 50 lbs. (22.7 kg) bag. Available in graphite grey and sandy beige.

PRODUCTS	sq. ft.	sq. m
Antika and Permea	21	2
Allegro	38	3.5
Athena	42	4
Blu 80 mm	76.5	7.11
Blu 60 mm (6"×13") 60×330×165	42.63	3.96
Elena, Hera, Trias	64	6
Flagstone	66	6.13
Linea small rectangles	57.80	5.37
Linea large rectangles	78.25	7.27

PRODUCTS	sq. ft.	sq. m
Mista Random	50.4	4.69
Mista Square	65.6	6.10
Olympia	55	5
San Marino small rectangles	57.80	5.37
San Marino large rectangles	78.25	7.27
Villagio	18.50	1.72
Villagio Grande	22.75	2.11



INTERLOCKING CONCRETE PAVEMENT INSTALLATION
Typical cross section

- A TECHO-BLOC PRECAST PAVING STONES ASTM C936, (CSA A231.2). PAVER SURFACE PITCH FOR POSITIVE DRAINAGE (MINIMUM 2%, 1/4" / FT. [6 mm / 300 mm])
- B SAND JOINT FILL (ASTM C144), (CSA A179)
- C SAND SETTING BED: 1" (25 mm) BEFORE COMPACTION (ASTM C33), (CSA A23.1)
- D BASE STONE DEPTH VARIES WITH SOIL TYPE, CLIMATE, LOAD AND WATER TABLE
- E GEOTEXTILE
- F SUBGRADE SOIL: CLASSIFIED AND PROPERLY GRADED
- G GEOTEXTILE STRIP TO PREVENT DOWNWARD SAND MIGRATION
- H EDGE RESTRAINT (TECHO-BLOC PRECAST CONCRETE EDGES: AVIGNON, BELGIK, PIETRA, OR TUNDRA)
- I EDGE RESTRAINT (PVC, ALUMINUM) ANCHORED TO BASE STONE
- J BASE STONE EXTENDS BEYOND EDGE OF PAVEMENT TO A MINIMUM OF 6" (150 mm) OR EQUAL TO DEPTH OF BASE STONE



Installation guide

Segmental Permeable Pavement

INSTALLATION OUTLINE

01 DATA COLLECTION

- A. Determine the size, shape, and intended use of finished areas (i.e. residential driveway, secondary commercial parking, etc.).
- B. Classify sub-grade soils.
- C. Document all existing conditions (i.e. fixed points, existing grades, site contours, etc.).
- D. Document soil type, location, and elevation of below grade and overhead utilities both public and private.
- E. Ensure public utilities are marked through the use of a locating service.
- F. Determine the cross section design of the system based on soil type and application, showing proposed sub-grade and finished grade elevations and all geotextiles and drainage pipes needed for the construction.
- G. Establish the type, location, and elevation of relief structures if required (i.e. overflow pipe discharging to rain garden, etc.).
- H. Determine the curb or edge restraint type, elevation, and location.
- I. Choose a pattern appropriate to the application (traffic type and load).

02 EXCAVATION

- A. Before digging, contact the concerned companies if wires or pipes are located in the area to be excavated.
- B. Excavation depth is determined from the foundation thickness according to the project specifications (foundation thickness is determined by a qualified engineer based on structural and hydrological analyses).
- C. Although the slope of the sub-grade will depend on the drainage design and infiltration type, a minimum slope of 0.5% ($\frac{1}{16}$ " per ft., or 5 mm per meter) is recommended.
- D. The distance that the excavated area should extend beyond the area to be paved should be one to 1.5 times the thickness of the foundation. This extra space will ensure the stability of the pavers near the edge and the edge restraints.
- E. Level the bottom of the excavated area with a rake.

Compaction will reduce the permeability of the sub-grade and it should be executed according to the project specifications. If compaction is not specified, care should be taken to maintain undisturbed soil infiltration during excavation and construction. Stabilization of the sub-grade may be required with weak, continually saturated soils, or when subject to high traffic conditions. If the compaction or stabilization of sub-grade is necessary, reduced infiltration may require drainage pipes within the sub-base to conform to storm water drainage requirements.

03 GEOTEXTILE, IMPERMEABLE LINERS, AND DRAIN PIPES

- A. Use the geotextile specified and install it according to project specifications. The use of a woven geotextile with bi-axel strength that meets design criteria is recommended.
- B. Place the geotextile on the bottom and sides of the soil sub-grade. Eliminate wrinkles in the geotextile and ensure it is not damaged during construction.
- C. Overlap of geotextile should be a minimum of 2' (600 mm) in the direction of drainage. Overlapping should be "shingle" style with respect to any slope direction and base stone distribution direction. Keep properly tensioned, eliminate wrinkles, and avoid damaging fabric (no spikes).
- D. If impermeable liners are required, install them according to project specifications and manufacturer's instructions. Impermeable liners are used when full exfiltration from the reservoir (sub-base and base) into the underlying sub-grade is not allowed (no infiltration design). Perforated drainage pipes are usually required in no infiltration and partial infiltration designs.
- E. If drainage pipes are required, install them according to project specifications. The aggregate cover over drainage pipes should be at least 12" (300 mm) to protect them from damage during sub-base or base compaction.

04 SUB-BASE

For residential pedestrian applications, the sub-base may not be required and then only ASTM No. 57 (CSA 5-28) aggregate base layer with a minimum thickness of 6" (150 mm) can be used (use a thicker base for additional water storage). Refer to Base (see below 06).

Installation guide

Segmental Permeable Pavement

When traffic load, soil conditions, and climate require greater than 12" (300 mm) of base or volume requirements for detention are higher, a sub-base may be required. Use sub-base ASTM No. 2 or No. 3 (CSA 40-80) meeting the following requirements:

- 90% fractured symmetrical particles
 - Less than 5% passing the 200 sieve
 - Industry hardness tested
- A. Moisten, spread and compact the ASTM No. 2 (CSA 40-80) aggregate sub-base in minimum 6" (150 mm) lifts (without distorting or damaging the geotextile) according to the project specifications.
 - B. Make at least two passes in the vibratory mode followed by at least two passes in the static mode with a minimum 10 ton (9 metric ton) vibratory roller, until there is no visible movement of the aggregate. Alternately, a 13,500 lbf (60 kN) plate compactor can be used to compact the ASTM No. 2 (CSA 40-80) aggregate sub-base.
 - C. Do not allow the compactor to crush the aggregate.
 - D. Surface tolerance of the ASTM No. 2 (CSA 40-80) sub-base should be $\pm 2 \frac{1}{2}$ " (64 mm) over 10' (3 m).

05 EDGE RESTRAINT

- A. Install edge restraint according to project specifications.
- B. Depending on the design, the top of the edge restraint can be hidden or exposed.
- C. Install Avignon, Belgik, Pietra, Tundra or Universal edge units. Cast-in-place concrete or precast concrete curbs should be considered in vehicular use applications (commercial/ industrial driveways, parking lots or streets).
- D. Edge restraint may rest on an open-graded or dense-graded aggregate base.

06 BASE

- A. Moisten, spread and compact the ASTM No. 57 (CSA 5-28) aggregate base layer in one 4" (100 mm) thick lift.
- B. Make a minimum of two passes in vibratory mode followed by at least two in static mode with a minimum 10 ton (9 metric ton) vibratory roller, until there is no visible movement of the aggregate. Alternately, a 13,500 lbf (60 kN) plate compactor can be used to compact the ASTM No. 57 (CSA 5-28) aggregate base.
- C. Do not allow the compactor to crush the aggregate.
- D. Surface tolerance of the ASTM No. 57 (CSA 5-28) base should be ± 1 " (25 mm) over 10' (3 m). Verify prior to setting bed installation.

07 BEDDING COURSE

- A. Moisten, spread and screed the ASTM No. 8 (CSA 2.5-10) aggregate bedding layer in one 2" (50 mm) thick lift.
- B. Surface tolerance of the ASTM No. 8 (CSA 2.5-10) bedding course should be $\pm \frac{3}{8}$ " (10 mm) over 10' (3 m).
- C. Construction equipment and pedestrian traffic on the screeded bedding course should not be permitted.

08 PAVER

- A. Pavers should be placed in the pattern shown on the drawings. Lay units hand tight to designated laying patterns. Units have lugs to maintain consistent joint width.
- B. In sloped conditions, it is preferable to start laying from the bottom in an uphill direction.
- C. The minimum slope recommended for permeable pavement surface is 1%.
- D. Inflo pavers can be installed with the TB100SI (Techo-Bloc mechanical tool) to expedite installation.
- E. When subject to vehicular traffic, cut units should not be smaller than $\frac{1}{3}$ of a whole paver. When using cut pieces, maintain joint.
- F. In vehicular applications, pattern strength will increase if laying pattern is perpendicular to traffic flow.

09 JOINT FILL

- A. Fill the paver joint openings with ASTM No. 8 (CSA 2.5-10) aggregate (or No. 89, No. 9 depending on joint width). Sweep stone to fill joints. Surface must be swept clean prior to compaction.

Installation guide

Segmental Permeable Pavement

- B. Compact with a minimum 5,000 lbf (22 kN) plate compactor (two passes minimum). The installation of a neoprene pad is recommended to protect the texture of the paving units.
- C. Do not compact within 6' (1.8 m) of unrestrained edges of the pavers.
- D. Apply additional aggregate to fill the joint openings if needed and compact.
- E. Surface tolerance of compacted pavers should be $\pm 3/8"$ (10 mm) over 10' (3 m).

PRODUCTS	JOINT FILL MATERIAL	(lbs/sq. ft.)	(kg/sq. m)
Inflo	ASTM No. 8 (CSA 2.5 - 10) (1/4")	2.1	10.3
Mista random	ASTM No. 9 (CSA 2.5 - 5) (1/8")	1.0	5.0
Permea	ASTM No. 8 (CSA 2.5 - 10) (1/4")	2.8	13.6
Victorien permeable	ASTM No. 9 (CSA 2.5 - 5) (1/8")	1.7	8.5
Villagio	ASTM No. 8 (CSA 2.5 - 10) (1/4")	2.1	10.2
Villagio Grande	ASTM No. 9 (CSA 2.5 - 5) (1/8")	2.0	9.9

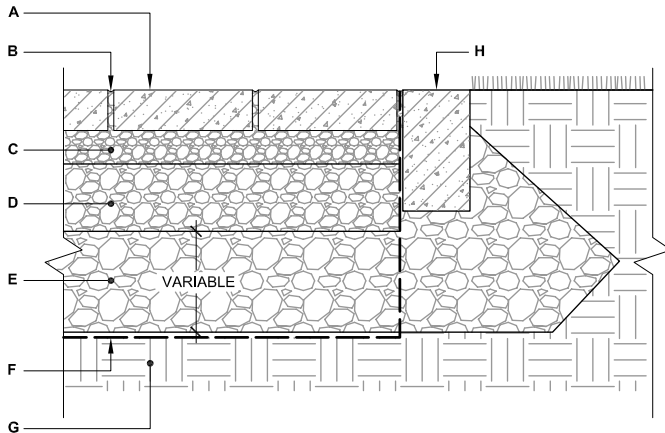
Approximate quantity of clean stone required per sq. ft. or sq. m

10 POST INSTALLATION PROTECTION

Prevent contamination of the porous (permeable) pavement system from fine aggregates and debris by maintaining Erosion and Sedimentation (E&S) measures at the perimeter.

Installation guide

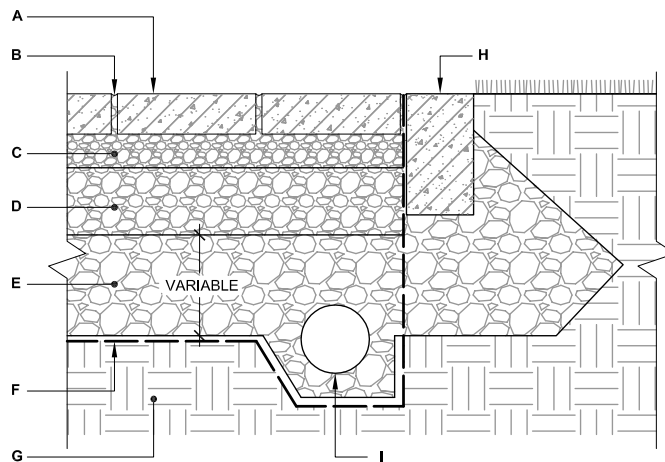
Segmental Permeable Pavement



- A. PERMEABLE PAVER FROM TECO-BLOC (INFLO, MISTA RANDOM, PERMEA OR VICTORIEN PERMEABLE)
- B. JOINT FILLING MATERIAL
ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- C. BEDDING COURSE 1½" to 2" (40 to 50 mm)
ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- D. BASE COURSE 4" (100 mm)
ASTM No 57 (CSA 5-28 mm) AGGREGATE
- E. SUBBASE COURSE
ASTM No 2 (CSA 40-80 mm) AGGREGATE
- F. GEOTEXTILE
- G. SUBGRADE
- H. CONCRETE EDGE

SEGMENTAL PERMEABLE PAVEMENT – FULL INFILTRATION

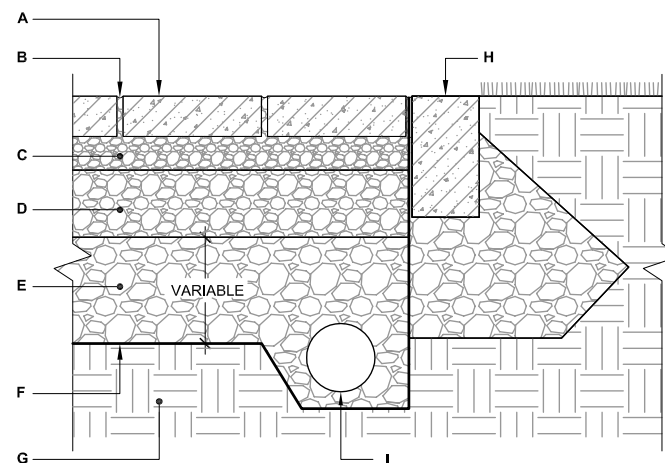
Typical cross section



- A. PERMEABLE PAVER FROM TECO-BLOC (INFLO, MISTA RANDOM, PERMEA OR VICTORIEN PERMEABLE)
- B. JOINT FILLING MATERIAL
ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- C. BEDDING COURSE 1½" to 2" (40 to 50 mm)
ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- D. BASE COURSE 4" (100 mm)
ASTM No 57 (CSA 5-28 mm) AGGREGATE
- E. SUBBASE COURSE
ASTM No 2 (CSA 40-80 mm) AGGREGATE
- F. GEOTEXTILE
- G. SUBGRADE
- H. CONCRETE EDGE
- I. PERFORATED DRAIN CONNECTED TO DRAINAGE SYSTEM

SEGMENTAL PERMEABLE PAVEMENT – PARTIAL INFILTRATION

Typical cross section



- A. PERMEABLE PAVER FROM TECO-BLOC (INFLO, MISTA RANDOM, PERMEA OR VICTORIEN PERMEABLE)
- B. JOINT FILLING MATERIAL
ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- C. BEDDING COURSE 1½" to 2" (40 to 50 mm)
ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- D. BASE COURSE 4" (100 mm)
ASTM No 57 (CSA 5-28 mm) AGGREGATE
- E. SUBBASE COURSE
ASTM No 2 (CSA 40-80 mm) AGGREGATE
- F. IMPERMEABLE MEMBRANE
- G. SUBGRADE
- H. CONCRETE EDGE
- I. PERFORATED DRAIN CONNECTED TO DRAINAGE SYSTEM

SEGMENTAL PERMEABLE PAVEMENT – NO INFILTRATION

Typical cross section

Installation guide

Slabs

INSTALLATION OUTLINE

01 EXCAVATION

- A. Before excavating, call all the local utility companies (e.g., phone, gas, electrical) to ensure that the area in which you plan to dig is clear of underground cables or wires. If any are found, please notify the appropriate companies before you continue.
- B. When excavating, it is important to achieve a slope in increments of $\frac{3}{16}$ " per ft. (5 mm per 300 mm) which will allow for proper drainage. The excavation should mirror final grade of pavement.
- C. The width of the base behind the edge should be equivalent to the thickness of the base.
- D. With the help of a rake, grade the bottom of the excavated area. If the natural soil is granular or sandy we recommend that you compact the soil with a vibrating plate. If the soil is clay-like, change the soil with a blend of lime and crushed stone prior to compaction. Next, cover it with a layer of geotextile membrane to prevent the contamination of the base (clay and 0- $\frac{3}{4}$ " [0-20 mm] crushed stone).

02 FOUNDATION

- A. Install the 0- $\frac{3}{4}$ " (0-20 mm) crushed stone base in 4" (100 mm) lifts with a minimum 5,000 lbf (22 kN) vibrating plate compactor.
- B. To facilitate compacting, wet the base material thoroughly and compact with a vibrating plate proceeding in all directions. Continue this process until you achieve the desired height. At this stage, you can verify the final height with the help of a paver.
- C. Base tolerance $\pm \frac{3}{8}$ " (10 mm) for every 10' (3-m) increment.

03 THE SETTING BED

- A. On the compacted crushed base, install two pipes with an outside diameter of 1" (25 mm). Grade the concrete sand with the help of a straight edge (or Quick-E leveler). If the base isn't properly graded and smooth, imperfections will be evident in the finishing grade of the pavement.
- B. Once the setting bed is graded, pre-compact with a hand tamper, then lightly fluff.

04 INSTALLATION OF SLABS

- A. Once the choice of slabs and the design have been finalized, it is recommended you start installing the slabs at a 90-degree angle. To obtain a 90-degree angle, use the rule of a 3/4/5-triangle. To do this, proceed as follows: measure a first horizontal line of 3' (1-m) and a second line of 4' (1.2 m) perpendicular to the first. Connect a third straight line of 5' (1.5 m), which will form a triangle, and the result will be a perfect 90-degree angle. While installing the slabs, walk on the installed slabs and fill in gaps caused by the pipes with concrete sand.
- B. It is always recommended that you use more than two cubes at a time in order to maximize the color blends. Furthermore, you should proceed with the cubes from top to bottom.
- C. You may use a chalk line to mark the stones to be cut along the borders, using a concrete saw. When cutting slabs, we recommend you wear protective ear and eyewear.
- D. Once you finish installing the slabs, you can then install Belgik, Pietra, Tundra, or Avignon curbstone. To keep curbs in place, add mortar along the back between the ground and the curbstone or, when available, use their plastic retention systems.

05 FILLING IN JOINTS

- A. Spread out the polymer stabilizer sand on the slabs, and sweep in between joints in all directions.
- B. Remove excess sand and follow the instructions exactly as indicated on the polymer stabilizer sand packaging.
- C. The use of a vibrating plate is not recommended on slabs.

Installation guide

Slabs



VIBRATING PLATE ALERT!

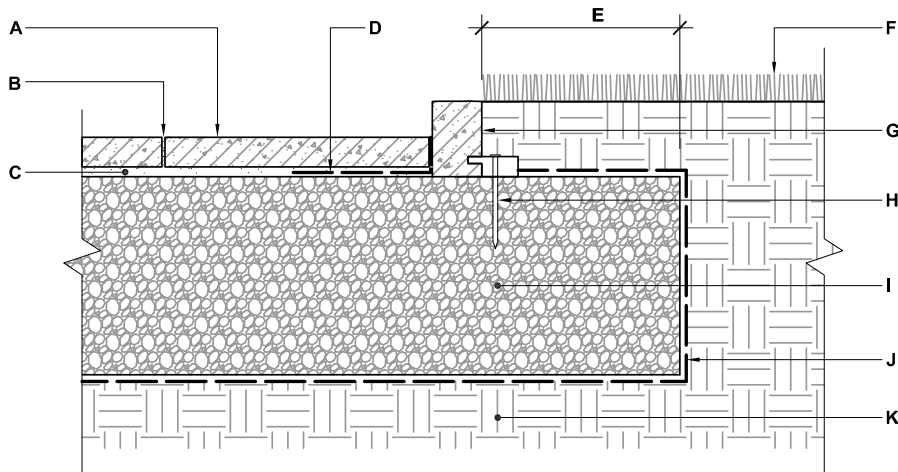
We do not recommend passing the vibrating plate on slabs.

NOTE: POLYMER STABILIZER SAND

Approximate surface coverage per 50 lbs. (22.7 kg) bag. Available in graphite grey and sandy beige.

SLABS	size	sq. ft.	sq. m
Blu 60 mm		90.2	8.37
Blu Grande	60×495×825	118.49	11.01
Aberdeen	30×30	483	44.87
	30×20	388	36.05
	30×10	243	22.56
	20×20	324	30.07
	20×10	216	20.08
Inca		108.3	10.06

SLABS	size	sq. ft.	sq. m
Monticello	30×20	388	36.05
	20×20	324	30.07
	20×10	216	20.08
Royale	12×12	133	12.36
	12×24	178	16.54
Travertina	30×30	483	44.87
	30×20	388	36.05
	20×20	324 <td 30.07	
	20×10	216	20.08



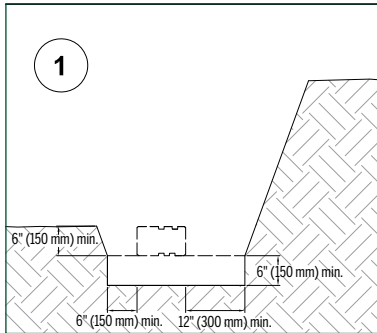
- A. TECO-BLOC PRECAST CONCRETE SLAB 1³/₄" TO 2³/₈" (45 TO 60 mm)
- B. SAND JOINT FILL
- C. SAND SETTING BED (CONCRETE SAND) 1" (25 mm)
- D. GEOTEXTILE 12" (300 mm) WIDE
- E. EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
- F. LAWN
- G. EDGE RESTRAINT
- H. NAIL
- I. COMPACTED GRANULAR BASE 0-³/₄" (0-20 mm)
- J. GEOTEXTILE
- K. SUBGRADE

SLAB INSTALLATION
Typical cross section

Installation guide

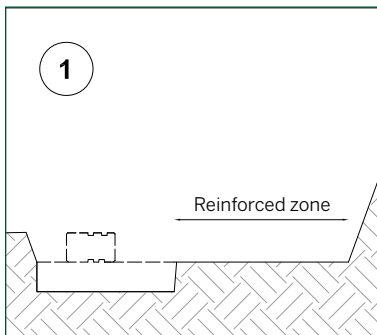
Walls

INSTALLATION OUTLINE



01 EXCAVATION

- A. Check the location of existing structures and utilities before starting the excavation.
- B. Dig out a trench. Its depth should be calculated according to the thickness of the leveling pad and the burial depth of the wall.
- C. Plan for a thickness of at least 6" (150 mm) for the leveling pad and consider that at least 10% of the height of the wall should be buried in the ground. In all cases, the wall must be buried no less than 6" (150 mm) deep.
- D. In determining the width of the trench, allow for a space of at least 6" (150 mm) at the front of the wall and 12" (300 mm) at the back for drainage fill. Compact and level the excavation base.

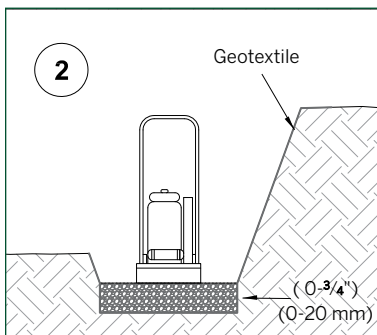


FOR GEOGRID REINFORCED RETAINING WALLS

The excavation must also take account of the geogrid length.

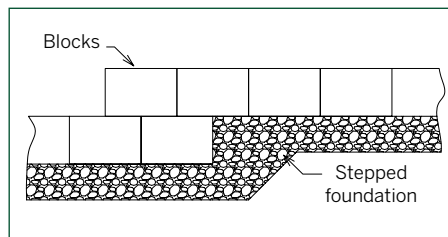
02 FOUNDATION

- A. Cover the base and back of the trench with a geotextile. Extend the geotextile towards the back of the excavation and eventually above the drainage fill once it is in place close to the top of the wall.
- B. Next, spread the 0-3/4" (0-20 mm) stone in the trench and compact using a vibratory plate or jumping jack, ensuring that the surface is level. The compacted leveling pad must be at least 6" (150 mm) thick.



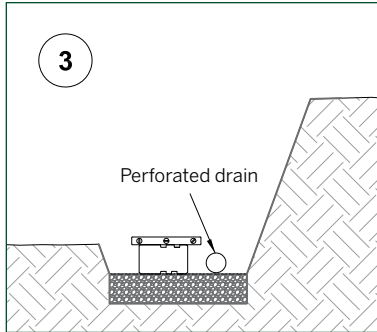
NOTE FOR STEPPED FOUNDATION

A wall built on an incline requires stepped foundations. For steep inclines, several steps may be required. Construction should start at the lowest level. Each of the steps must follow a level horizontal path and the vertical distance separating the successive steps must equal the height of a block.



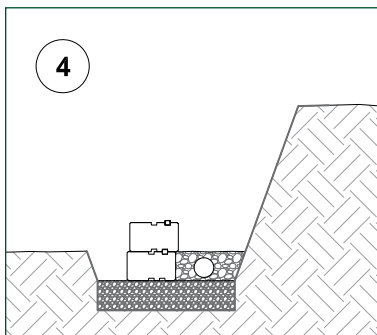
Installation guide

Walls



03 BUILDING THE FIRST COURSE

- A. Using blocks of the same height, place the first course on the compacted leveling pad according to the predetermined layout. Check the alignment and leveling in all directions and make sure that all the blocks are in full contact with the leveling pad and properly supported.
- B. Place the exposed surfaces of the blocks side by side. There must be no space between the exposed faces of adjacent blocks.
- C. At the back of the wall and on the compacted leveling pad, lay a 4" (100 mm) diameter perforated drain. Connect this drain to the existing drainage system so that it clears the water accumulated behind the wall.

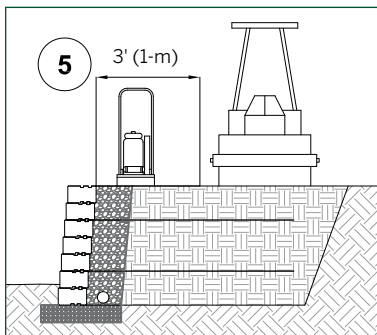


04 BACKFILLING

Backfill at the rear of the wall and the space between the back of the blocks with $\frac{3}{4}$ " (20 mm) clean stone. Level and settle the clean stone. Any cavities in the blocks must also be filled with clean stone.

05 SUBSEQUENT COURSES

- A. Clean the top of each block before laying the next course. Depending on the type of block, install the connectors on the extremity of each block.
- B. Lay the subsequent courses, backfilling at the rear of the wall every 8" (200 mm) maximum, using the same method outlined in step 4.
- C. Make sure the subsequent courses are laid such that the vertical seams are aligned with the blocks below.



FOR GEOGRID REINFORCED RETAINING WALLS

Where geogrids are to be used, cover the clean stone with a geotextile. Select the geogrid according to the type, level and appropriate length. Position the geogrid according to the main reinforcement direction perpendicular to the wall. The geogrid must be continuous all along its embedment length. Splicing of the geogrid in the main reinforcement direction is not permitted. The geogrid must be installed horizontally over the compacted backfill and the previous course of blocks. Fix the connectors on the geogrid and lay the next course of blocks. Pull on the back of the geogrid and maintain its tension by stakes or pins. Repeat with a new section of geotextile and place the reinforced backfill directly behind the drainage fill. Fill and compact up to the level of the blocks.

Heavy equipment must not be used less than 3' (1-m) behind the blocks. Construction equipment must not drive directly over the geogrid.

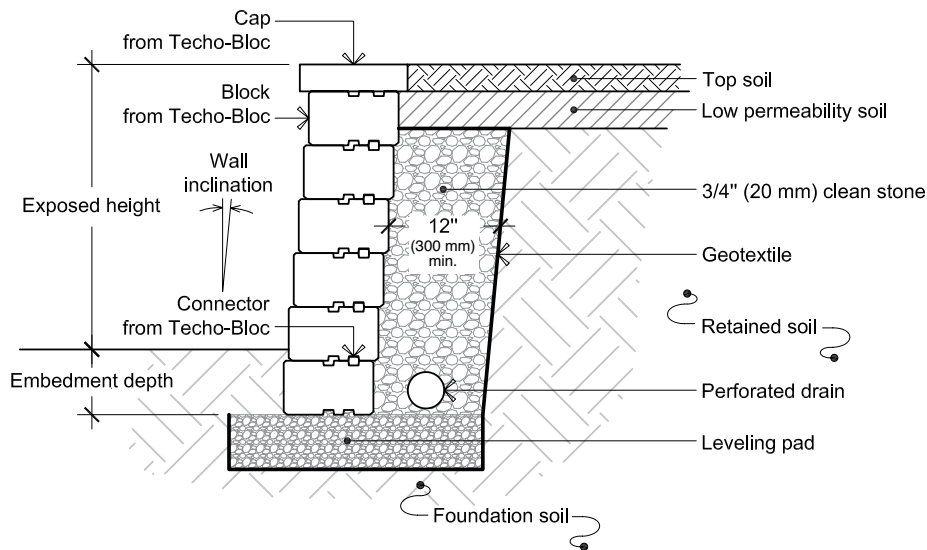
Repeat the various installation steps.

06 FINISHING

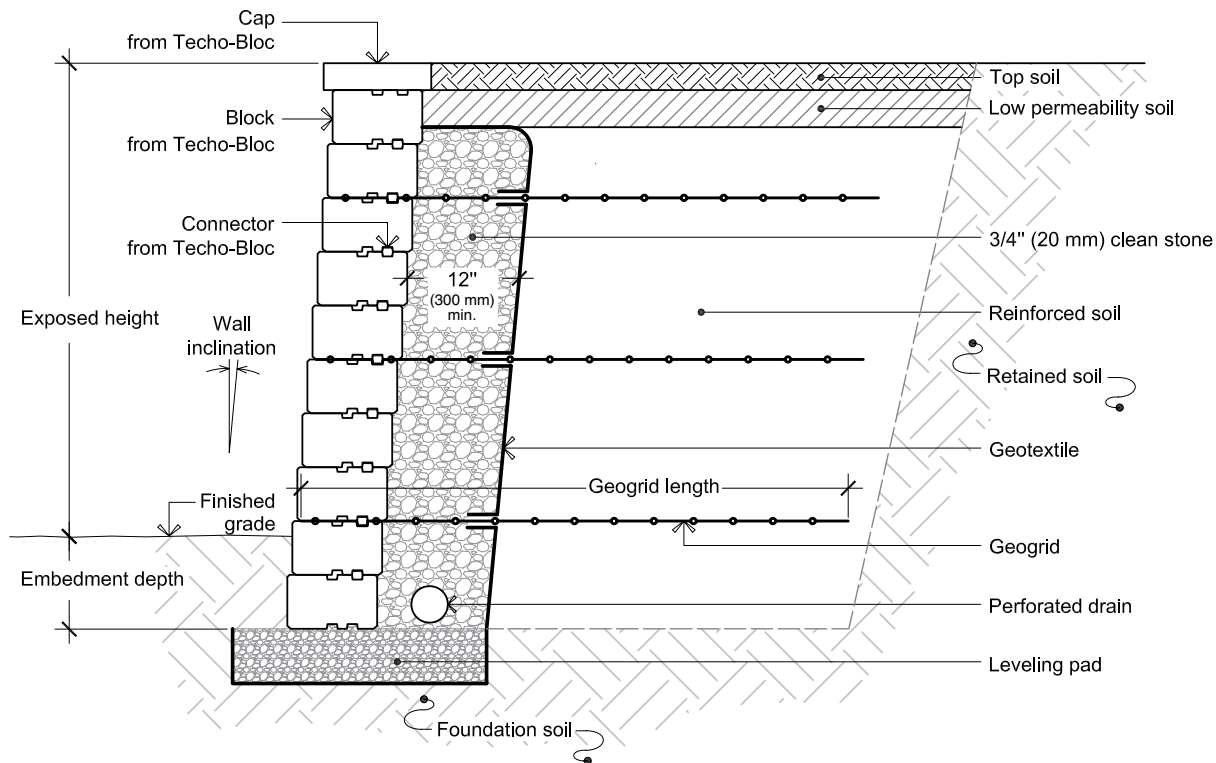
Position the course of coping stones (if applicable) or the final course of blocks to complete the wall. The coping stones or final course of blocks must be fixed to the subjacent blocks using concrete adhesive and there must be no space between the blocks.

Installation guide

Walls



WALL INSTALLATION – GRAVITY WALL
Typical cross section



WALL INSTALLATION – GEOGRID REINFORCED WALL
Typical cross section



FOR GEOGRID REINFORCED RETAINING WALLS

For more information, refer to the Wall Design Charts on pages 166-167.

Installation guide

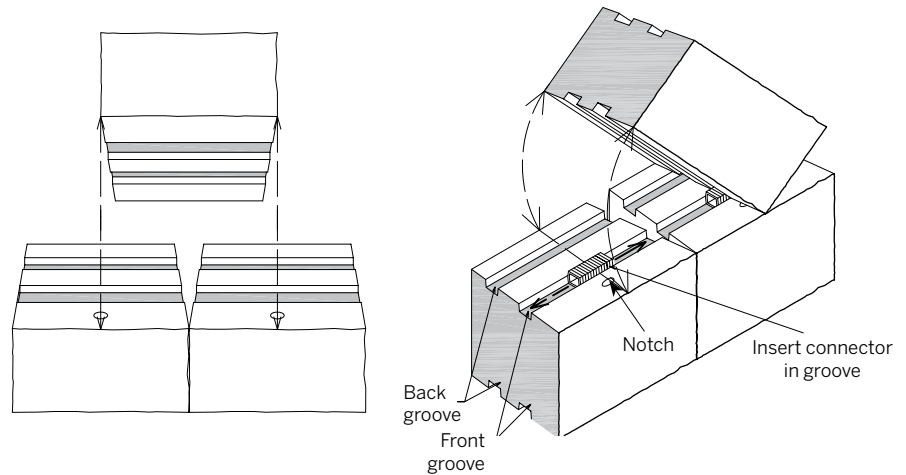
Walls

ANCHORING SYSTEM | Installation

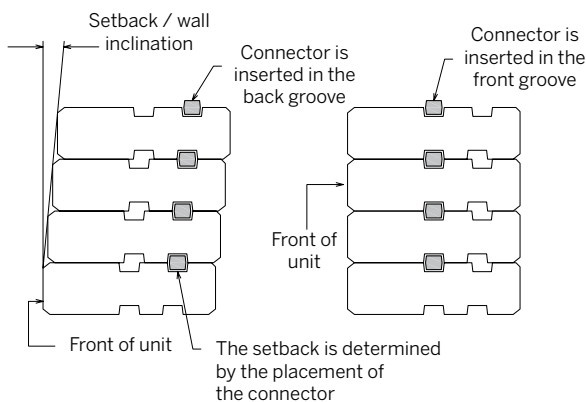
Techo-Bloc has designed an anchoring system that allows Escala, Mini-Creta, Quarry Stone, Semma and Suprema blocks to be installed using high-density polyethylene (HDPE) connectors. These devices ensure a mechanical connection between the blocks with the geogrid and ensure that they are aligned during laying.

Place one block on top of two other blocks. Lift up the end of the block to insert the connector into the predetermined groove. Then, lift the other end of the block to insert a second connector into the same groove. These connectors must remain partially visible in order to fit into the adjacent blocks.

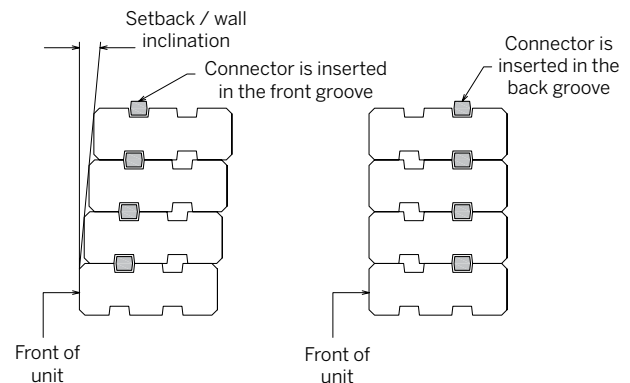
The top of each block is identified by a notch near its front. There are two grooves on the top and underside of each block. The connectors are inserted into these grooves. Before fitting the connectors, check whether the blocks are to be installed with a setback or vertically. If the connector is fitted into the front groove, the wall will be vertical. If the connector is fitted into the back groove, the wall will be recessed and at an angle. When using the Semma units, the positioning of the connector is reversed. When the connector is placed in the front groove, the wall will be at an angle, and if it is in the back groove, the wall will be vertical.



ESCALA, MINI-CRETA, QUARRY STONE AND SUPREMA

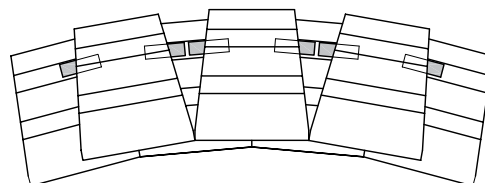


SEMMA



ANCHORING SYSTEM | Connectors in curved wall application

When creating internal curves and the connectors are in the back groove, two connectors must be installed on each block as illustrated.

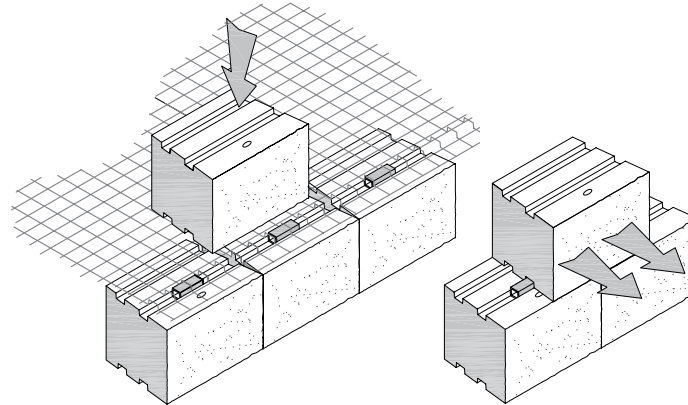


Installation guide

Walls

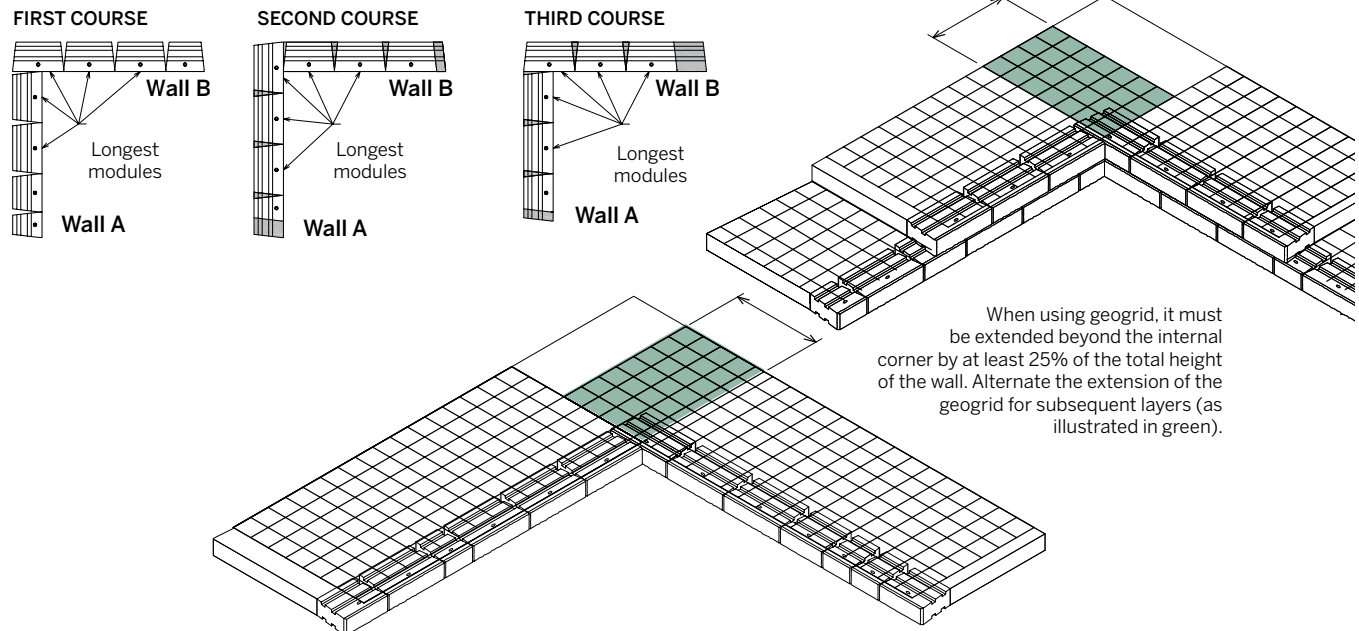
ANCHORING SYSTEM | Connectors in geogrid reinforced wall application

When using a geogrid, it must be placed above the connectors. The connectors will therefore be placed before the geogrid. After positioning the geogrid, move the block (from the above course) forward until it touches the connectors and ensures that the system is locked.



INTERNAL CORNER | Installation outline

When building a wall with an internal corner, it is recommended to start constructing the wall at the corner and build out from this point in both directions. To form the corner, use the longer modules as illustrated. Build wall B by extending it out from wall A such that the end of wall B is aligned with the back of wall A. For subsequent courses, simply alternate the extension of walls A and B.

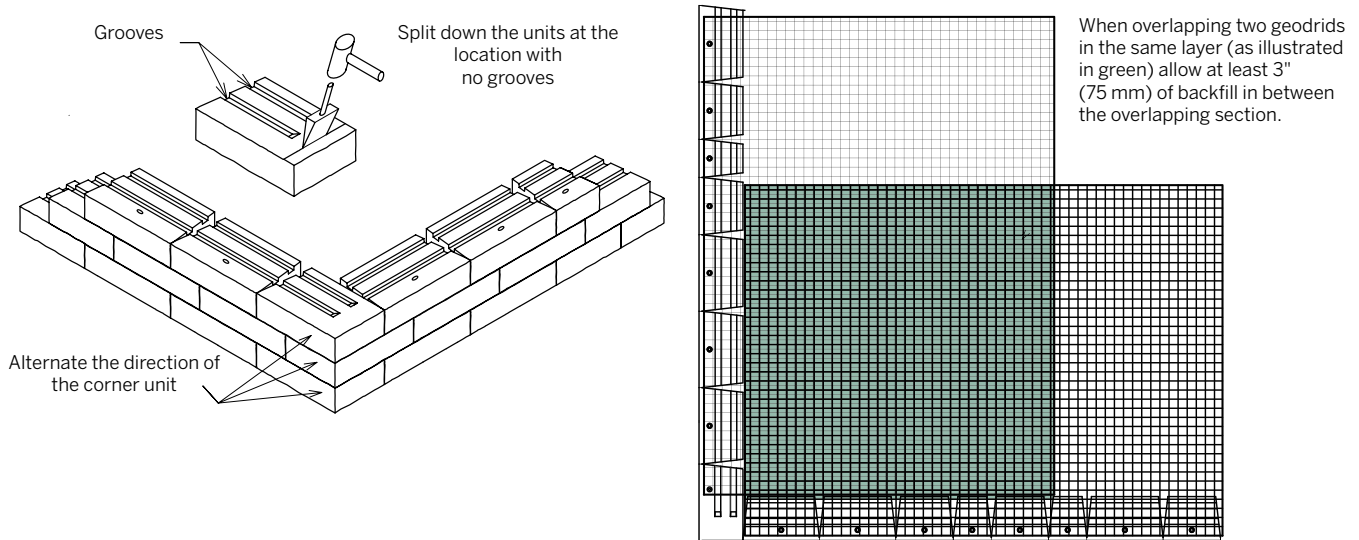


Installation guide

Walls

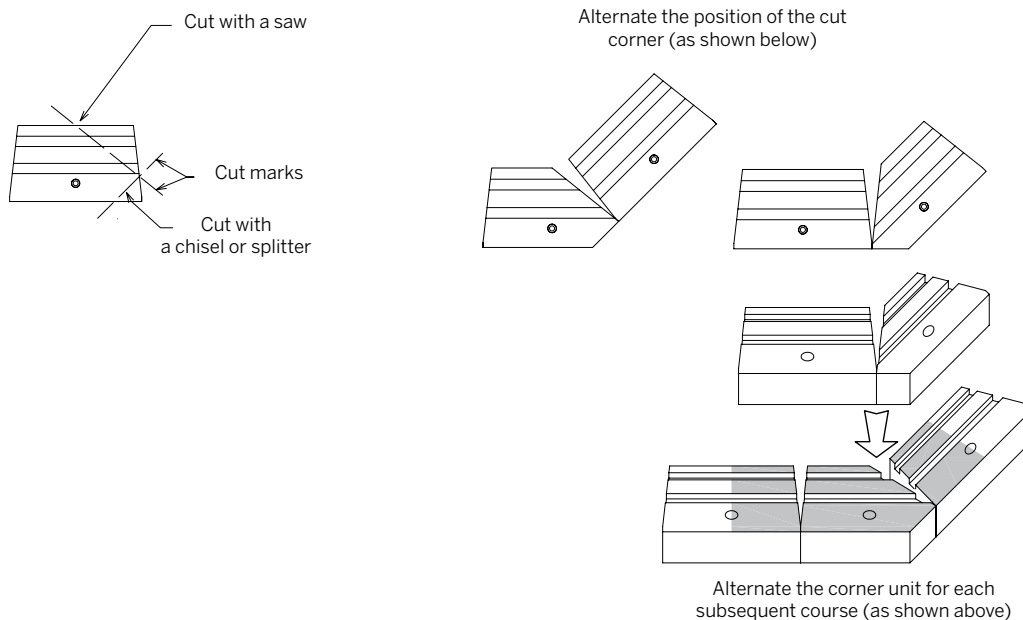
EXTERNAL CORNER | Installation outline

For walls with an external corner, start building the wall from the corner and continue from this point in both directions. Each pallet contains units that can be used to make a corner. On-site, these units (except the Suprema blocks) must be split down the side using a hammer and chisel in order to obtain a corner unit. For each subsequent course, alternate the direction of the corner unit and secure the corner unit to the block below using concrete adhesive.



OBLIQUE CORNER | Installation outline

The longer modules should be used to build an oblique external corner. Cut the non-exposed part of the block using a saw. Use a chisel or splitter to give the exposed face of the block a textured look. Alternate the cutting of the blocks for each subsequent course.



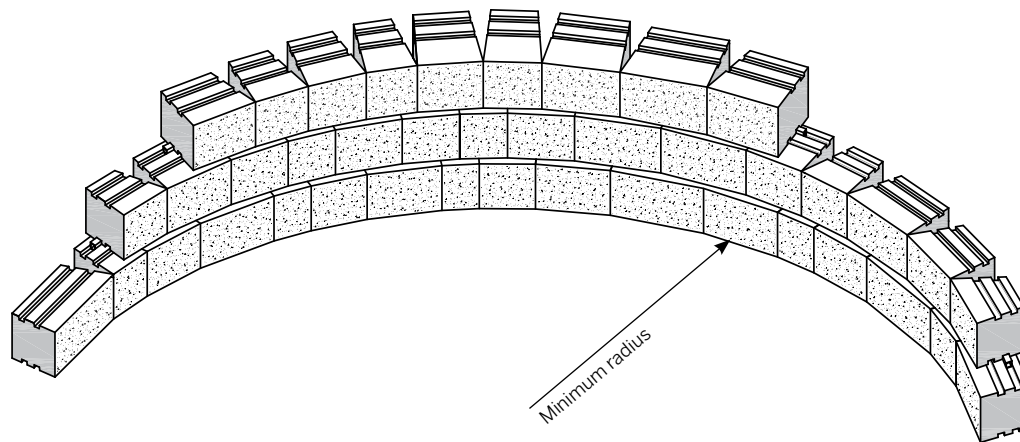
Installation guide

Walls

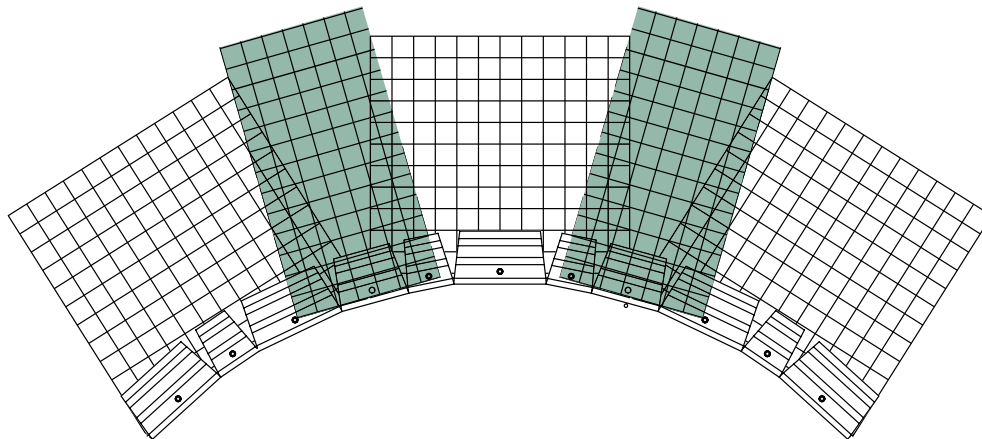
INTERNAL CURVE | Installation outline

The Techo-Bloc retaining wall system allows walls to be built with internal and external curves. These curves can be achieved without cutting the blocks. You will need to angle the curves according to the minimum radius specified by Techo-Bloc.

When building a wall with an internal curve, it is recommended to start building the wall at the center of the curve and place blocks alternately to the left and right of the central block. If the wall to be constructed requires a setback (inclined wall), each course should be offset to the back and the curve will then become bigger. The minimum radius is therefore that of the first course.



When using geogrid, it must cover 100% of the surface around the curve. To do this, additional layers of geogrid are placed on the next course of blocks to fill voids created from previous course (as illustrated in green).

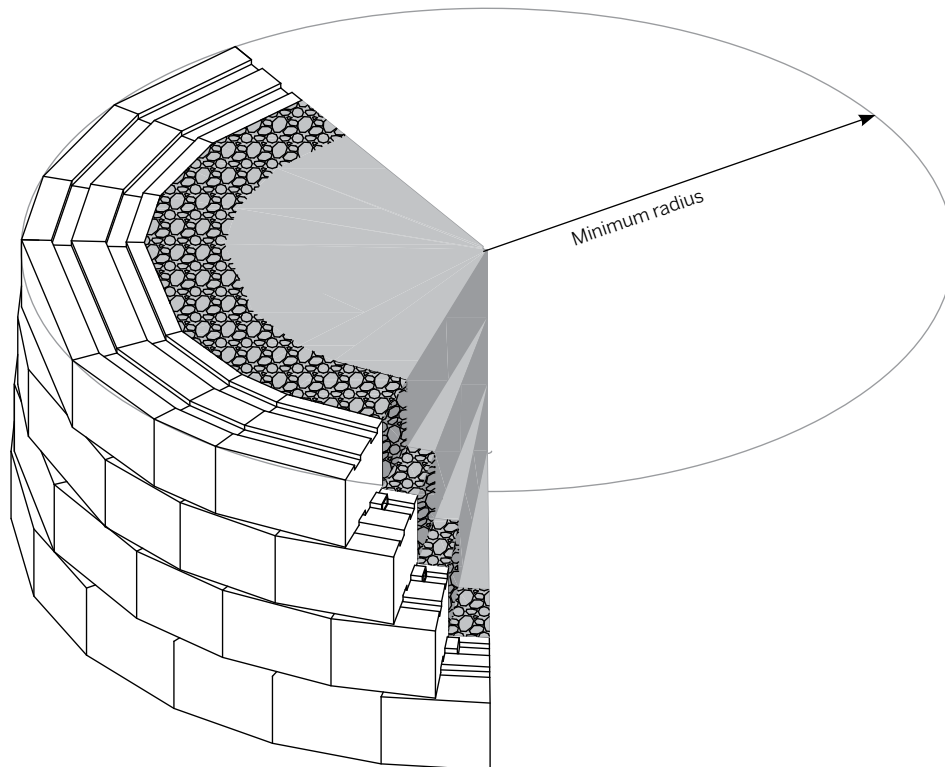


Installation guide

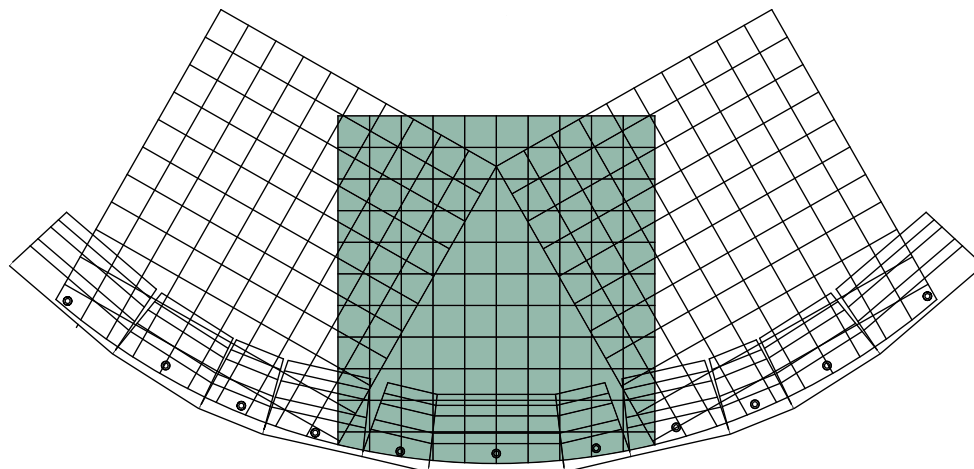
Walls

EXTERNAL CURVE | Installation outline

When building a wall with an external curve, it is recommended to start building the wall at the center of the curve and place blocks alternately to the left and right of the central block. Unlike for internal curves, the external curve gets smaller as courses are added. The minimum radius is therefore that of the last course.



When using geogrid, it must cover 100% of the surface around the curve. To achieve this, additional layers of geogrid are placed on the same course of blocks to fill voids (as illustrated in green). In this case, we recommend at least 3" (75 mm) of backfill in between the overlapping sections.

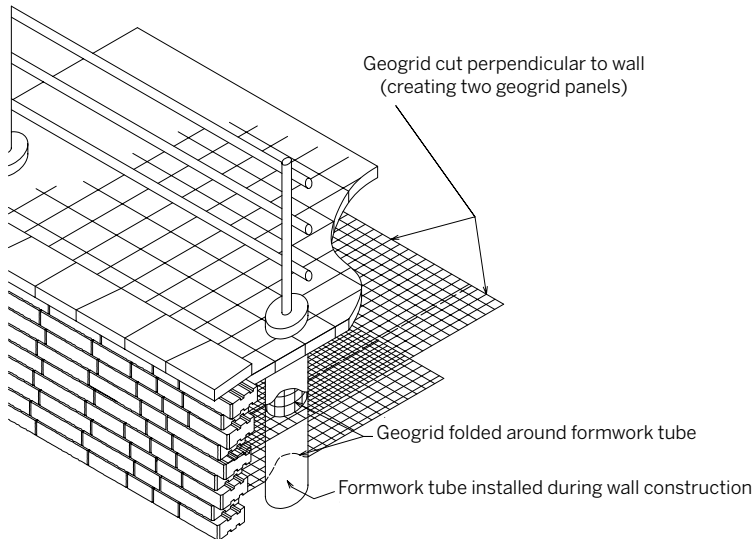


Installation guide

Walls

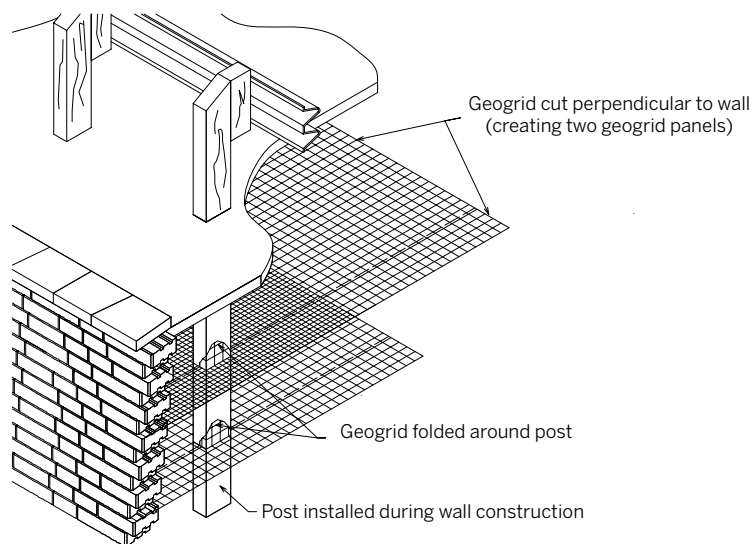
FENCING | Installation outline

Fencing can be erected behind the blocks. The fence posts must be placed in formwork tubes positioned during construction of the wall, and then filled with concrete. The geogrid may be cut to accommodate installation of the tubes. Cut the geogrid in alignment with the center of the formwork tube and perpendicular to the wall, thus creating two geogrid panels. Connect the two geogrid panels at the front and back of the formwork tube and bend the geogrid to fit around the formwork.



GARDRAIL | Installation outline

As with fencing, a guardrail can be incorporated behind the blocks. The guardrail posts must be installed during construction of the wall. The geogrid is cut perpendicular to the wall and in alignment with the center of the post, thus creating two geogrid panels. These two panels are connected at the front and back of the post. The geogrid can be bent to fit around the post.

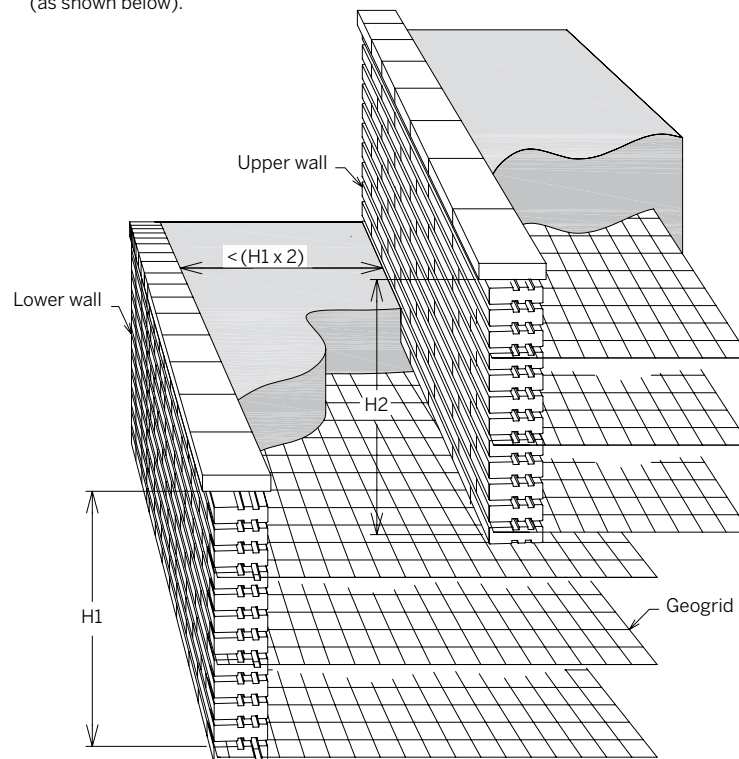
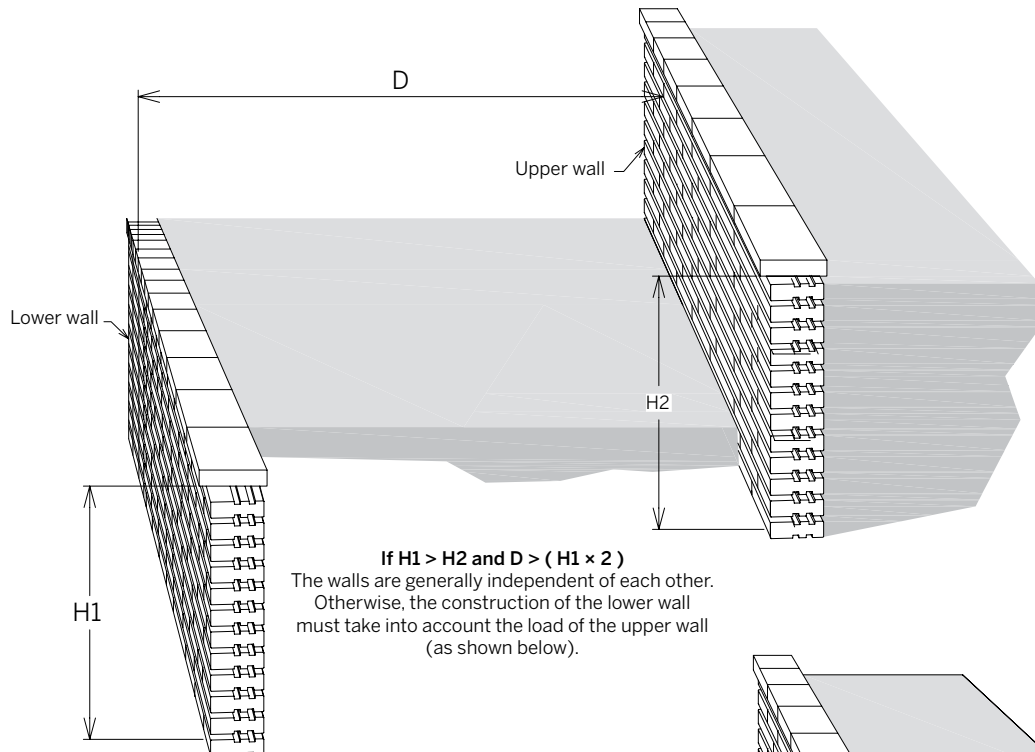


Installation guide

Walls

TIERED WALL | Installation outline

Although tiered walls look appealing, it is important to take into account the additional load the upper wall applies on the lower wall. If the distance between the walls is at least twice the height of the lower wall, the walls are generally independent of each other. However, if this distance is less, the lower wall must be built to take account of the load of the upper wall and geogrids may be required.



Installation guide

Walls - Mini-Creta 3" and 6"

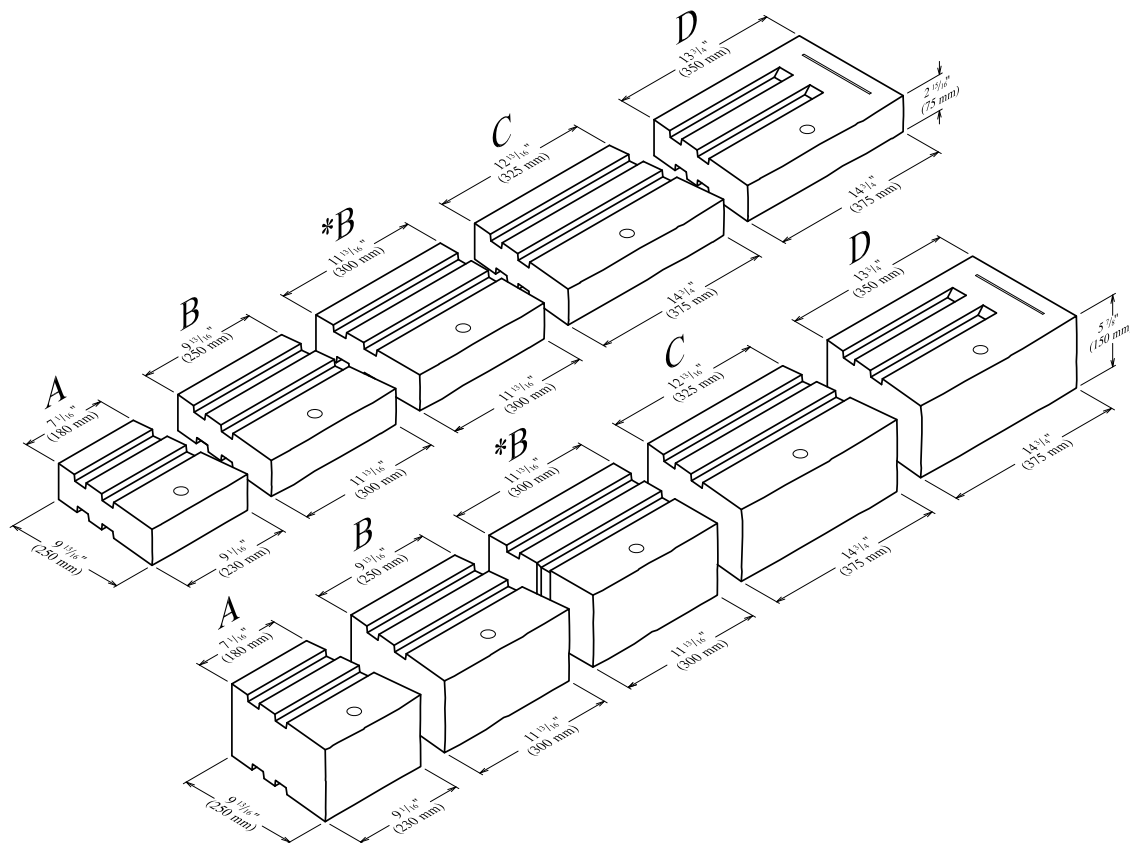
MINI-CRETA 3" AND 6" | Wall pattern

Techo-Bloc has created a series of installation patterns to be used for any projects using the Mini Creta wall system. The patterns are largely based on three designs: The 1-, 3- and 5-row patterns.

Each pattern contains different combinations of units, which can be used several times or combined with other combinations. Depending on the wall height, or whether a geogrid is used, different combinations from different patterns can be combined for the same wall.

These patterns have been designed to maximize the natural blend between the different units. Each pattern also comes with a specific distribution ratio for the Mini Creta 3" and 6", which is proven to be a great tool when estimating the quantity of material needed for a specific project.

NOTE: Only units "A", "B" and "C" have been used to illustrate the different length units.



Units

The Mini-Creta system is comprised of blocks known as units. These units come in two heights: $2\frac{15}{16}$ " (75 mm) and $5\frac{7}{8}$ " (150 mm).

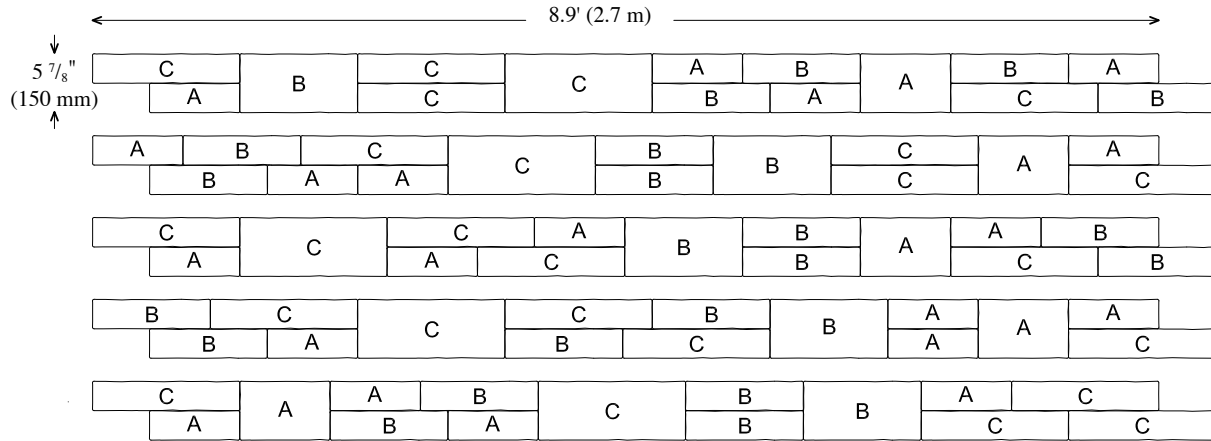
The Mini-Creta 3" and Mini-Creta 6" units are also divided into three lengths. Units "A" are $9\frac{1}{16}$ " (230 mm) long, units "B" are $11\frac{13}{16}$ " (300 mm) long and units "C" and "D" are $14\frac{3}{4}$ " (375 mm) long.

Installation guide

Walls - Mini-Creta 3" and 6"

1-ROW PATTERN | Installation outline

The 1-row pattern provides five different combinations. Each combination is 8.9' (2.7 m) long and 5 7/8" (150 mm) high. **This pattern can be used to lay the last course of units or when the other models cannot be used.**



NUMBER OF BLOCKS REQUIRED

UNITS LENGTH (mm)

MINI-CRETA

230 (A)

300 (B)

375 (C)

66.7% of surface - Mini-Creta 3"

4

4

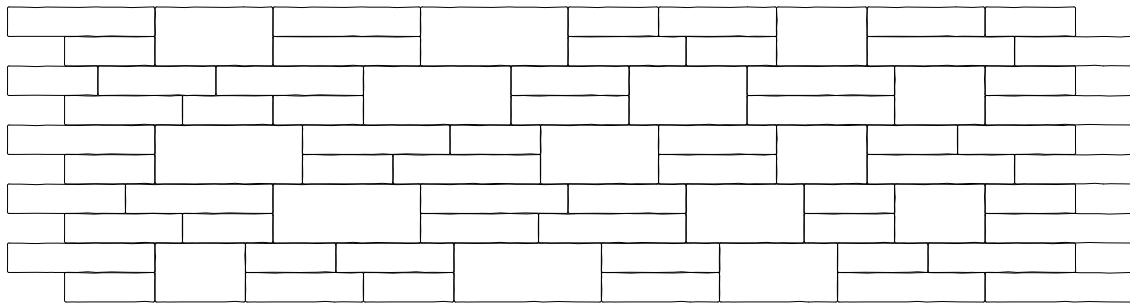
4

33.3% of surface - Mini-Creta 6"

1

1

1

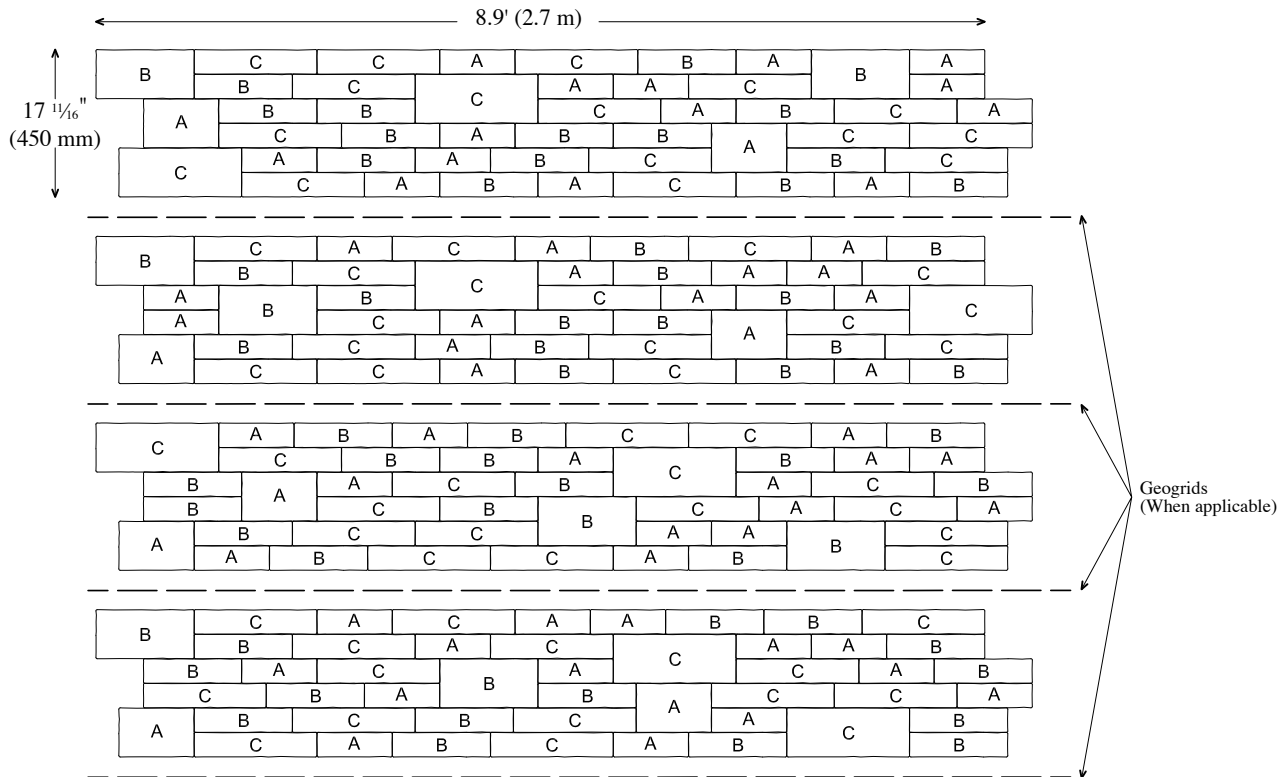


Installation guide

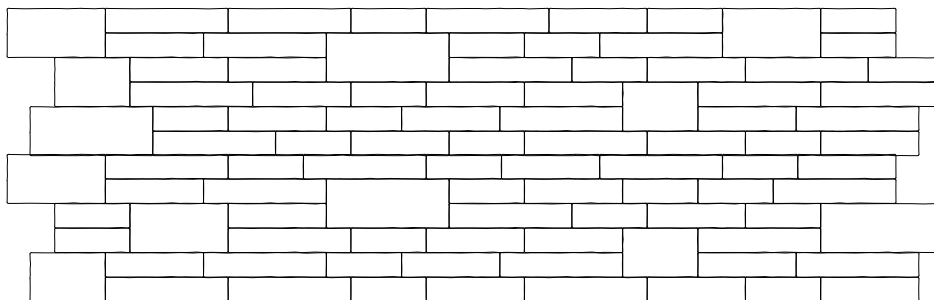
Walls - Mini-Creta 3" and 6"

3-ROW PATTERN | Installation outline

The 3-row pattern provides four different combinations. Each combination is 8.9' (2.7 m) long and 17¹¹/₁₆" (450 mm) high. This pattern gives a leveled surface every 17¹¹/₁₆" (450 mm), which is the recommended spacing between two layers of geogrid in a Mini-Creta wall. **This pattern is recommended when using geogrid.**



NUMBER OF BLOCKS REQUIRED	UNITS LENGTH (mm)		
	230 (A)	300 (B)	375 (C)
77.8% of surface - Mini-Creta 3"	14	14	14
22.2% of surface - Mini-Creta 6"	2	2	2

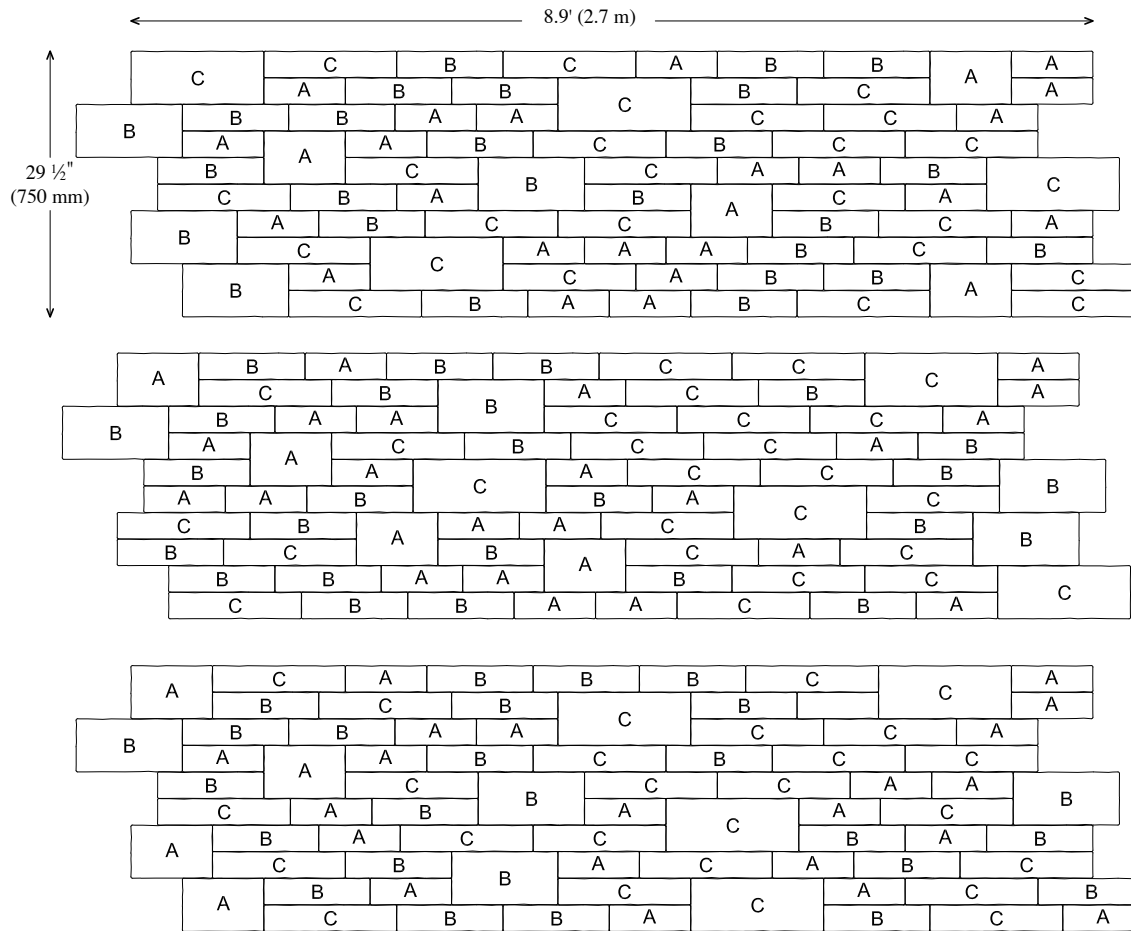


Installation guide

Walls - Mini-Creta 3" and 6"

5-ROW PATTERN | Installation outline

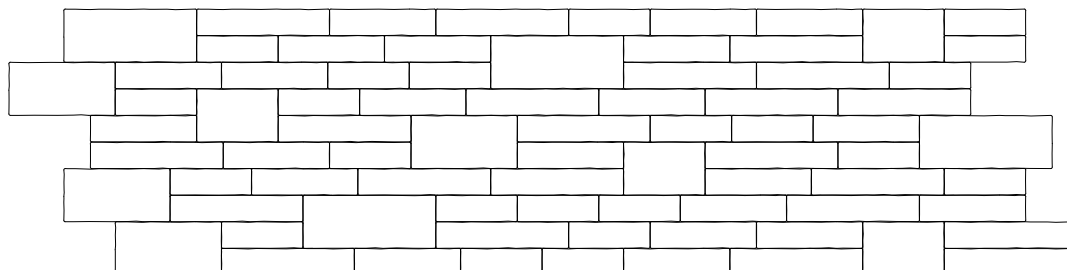
The 5-row pattern provides three different combinations. Each combination is 8.9' (2.7 m) long and 29 1/2" (750 mm) high. **This pattern should only be used when geogrid is not required.**



NUMBER OF BLOCKS REQUIRED

UNITS LENGTH (mm)

MINI-CRETA	230 (A)	300 (B)	375 (C)
73.3% of surface - Mini-Creta 3"	22	22	22
26.7% of surface - Mini-Creta 6"	4	4	4



Installation guide

Walls - Quarry Stone 100 mm and 200 mm

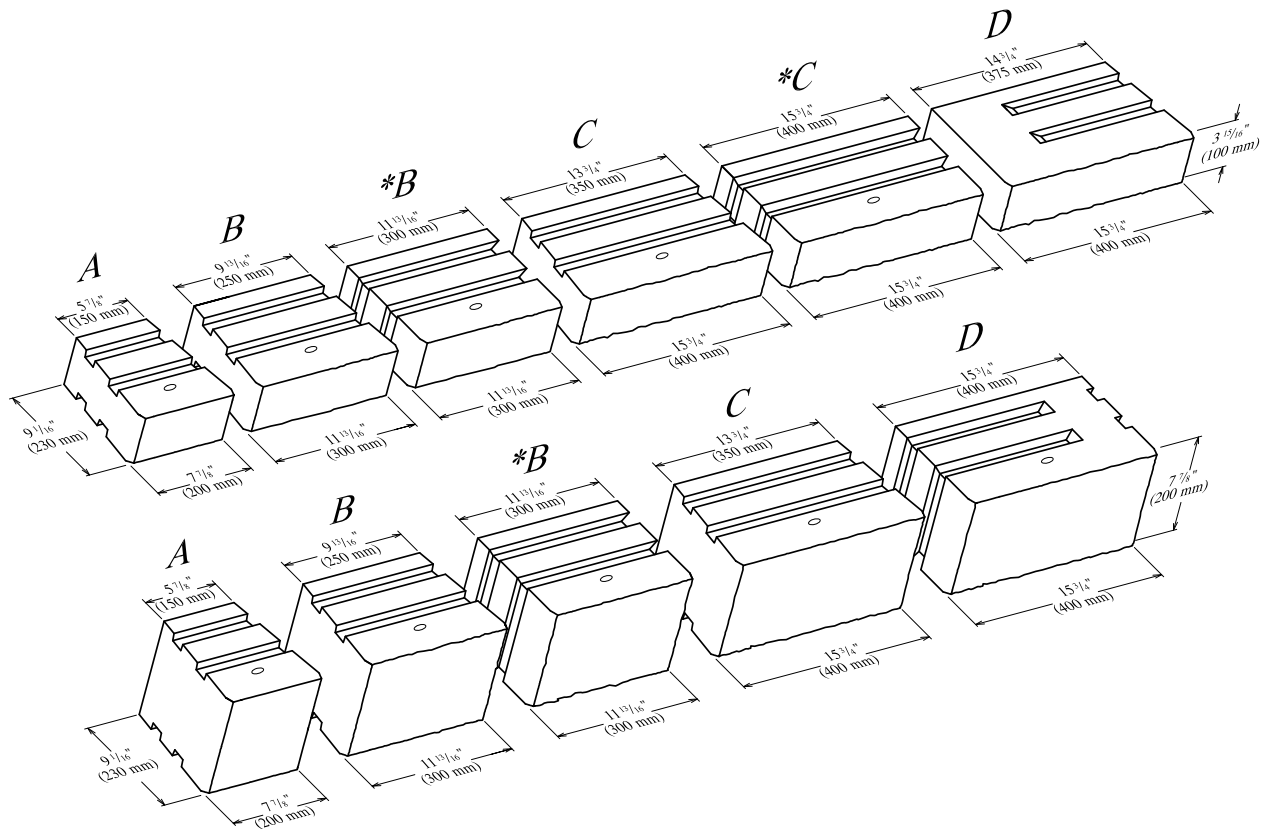
QUARRY STONE 100 mm AND 200 mm | Wall pattern

Techo-Bloc has created a series of installation patterns to be used for any projects using the Quarry Stone Wall system. The patterns are largely based on three designs: The 1-, 2- and 3-row patterns.

Each pattern contains different combinations of units, which can be used several times or combined with other combinations. Depending on the wall height, or whether a geogrid is used, different combinations from different patterns can be combined for the same wall.

These patterns have been designed to maximize the natural blend between the different units. Each pattern comes also with a specific distribution ratio for the Quarry Stone 100 and 200, which is proven to be a great tool when estimating the quantity of material needed for a specific project.

NOTE: Only units "A", "B" and "C" have been used to illustrate the different length units.



Units

The Quarry Stone system is comprised of blocks known as units. These units come in two heights: 3 15/16" (100 mm) and 7 7/8" (200 mm).

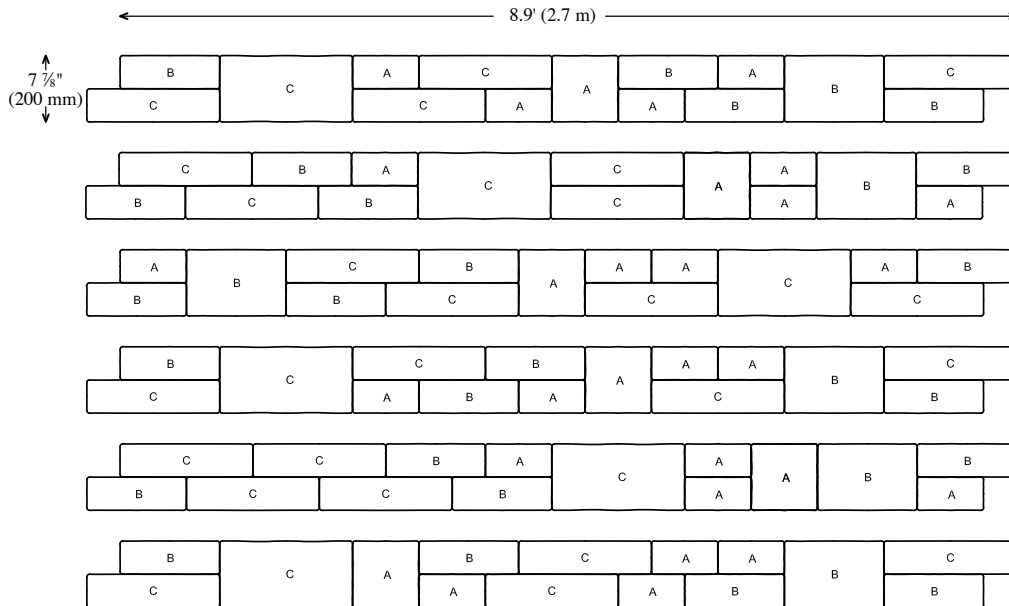
The Quarry Stone 100 and 200 units are also divided into three lengths. Units "A" are 7 7/8" (200 mm) long, units "B" are 11 13/16" (300 mm) long, and units "C" and "D" are 15 3/4" (400 mm) long.

Installation guide

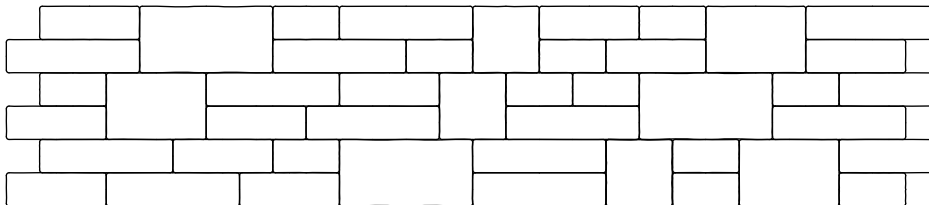
Walls - Quarry Stone 100 mm and 200 mm

1-ROW PATTERN | Installation outline

The 1-row pattern provides six different combinations. Each combination is 8.9' (2.7 m) long and 7 7/8" (200 mm) high. This pattern can be used to lay the last course of units or when the other patterns cannot be used.



NUMBER OF BLOCKS REQUIRED	UNITS LENGTH (mm)		
	200 (A)	300 (B)	400 (C)
66.7% of surface - Quarry Stone 100 mm	4	4	4
33.3% of surface - Quarry Stone 200 mm	1	1	1

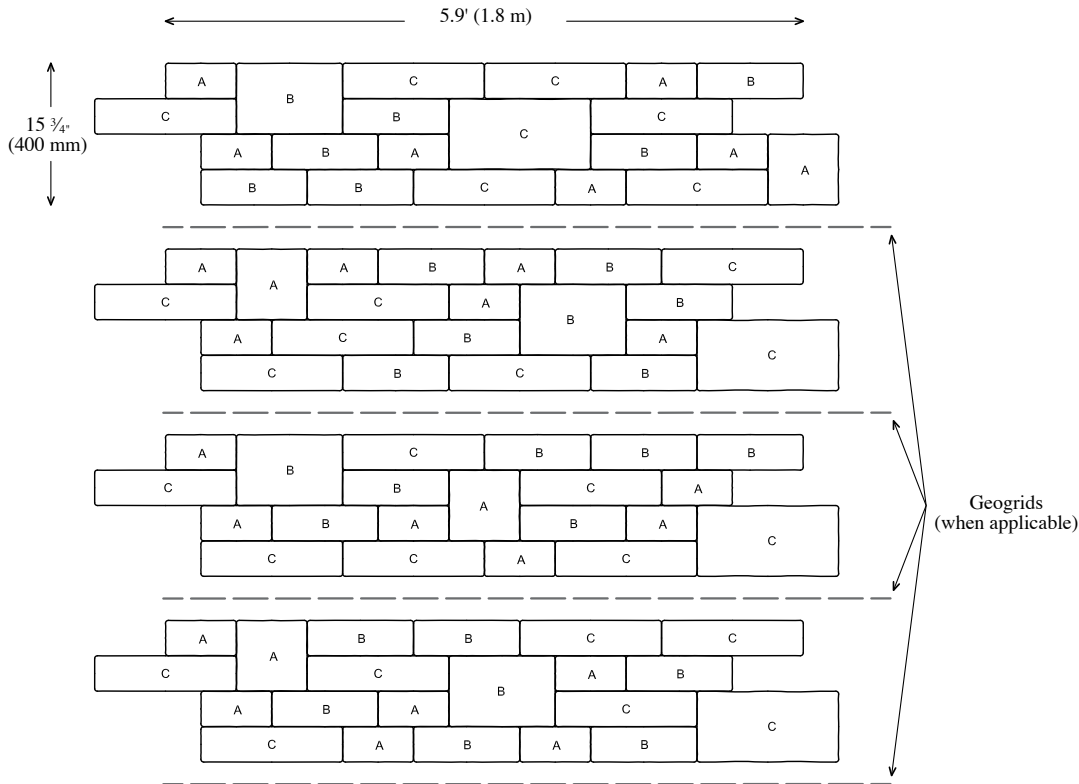


Installation guide

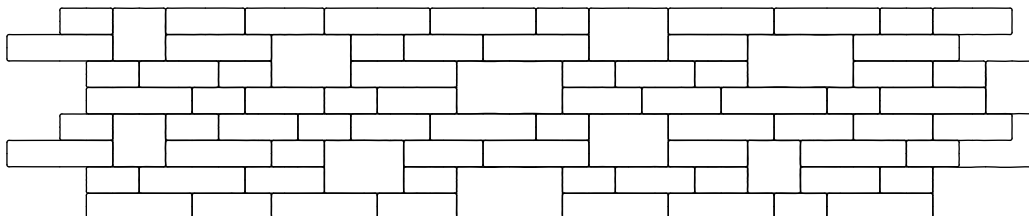
Walls - Quarry Stone 100 mm and 200 mm

2-ROW PATTERN | Installation outline

The 2-row pattern provides four different combinations. Each combination is 5.9' (1.8 m) long and 15 3/4" (400 mm) high. This pattern gives a leveled surface every 15 3/4" (400 mm), which is the recommended spacing between two layers of geogrid in a Quarry Stone wall. **This pattern is recommended when using geogrid.**



NUMBER OF BLOCKS REQUIRED	UNITS LENGTH (mm)		
	200 (A)	300 (B)	400 (C)
75% of surface - Quarry Stone 100 mm	6	6	6
25% of surface - Quarry Stone 200 mm	1	1	1

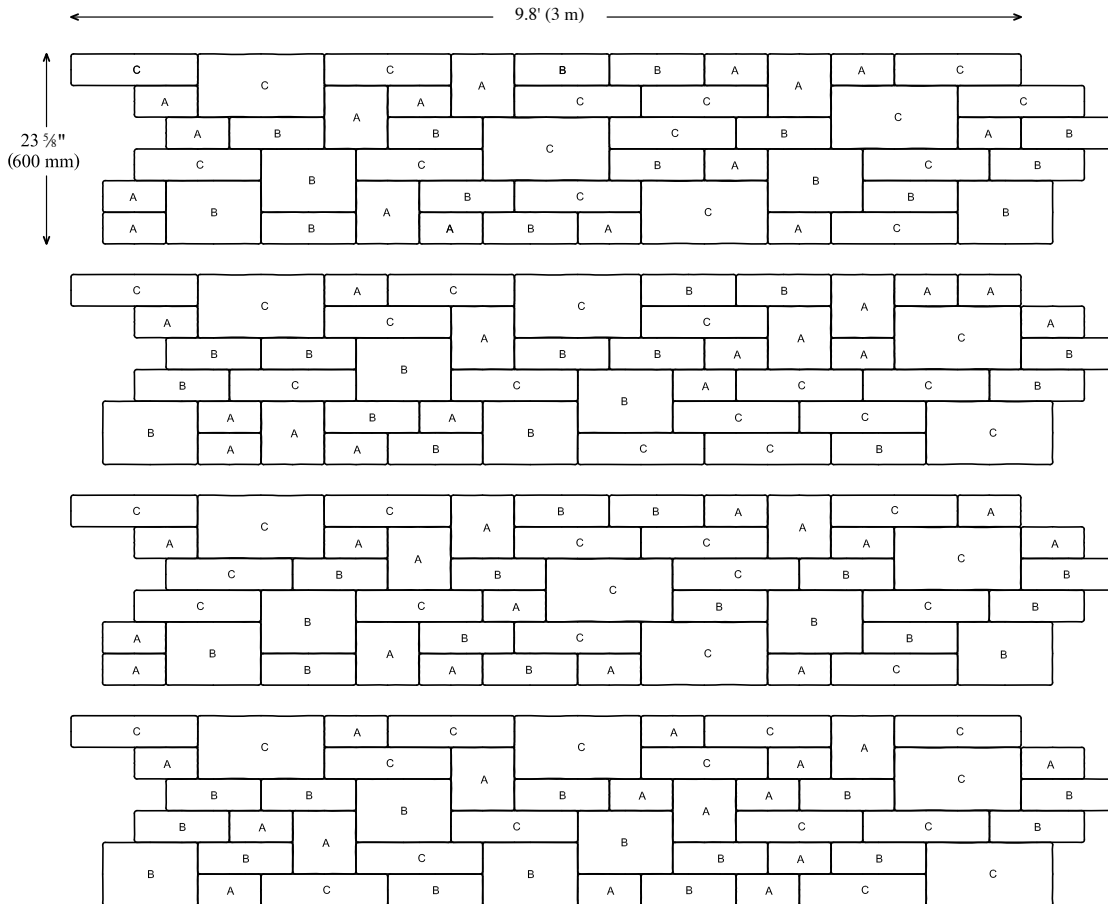


Installation guide

Walls - Quarry Stone 100 mm and 200 mm

3-ROW PATTERN | Installation outline

The 3-row pattern provides four different combinations. Each combination is 9.8' (3-m) long and 23 5/8" (600 mm) high. **This model should only be used when geogrid is not required.**



NUMBER OF BLOCKS REQUIRED

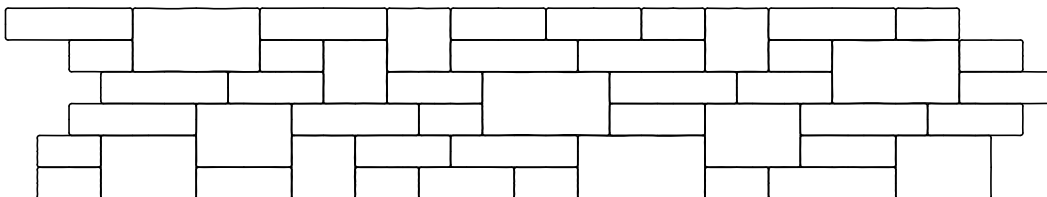
UNITS LENGTH (mm)

QUARRY STONE

60% of surface - Quarry Stone 100 mm

40% of surface - Quarry Stone 200 mm

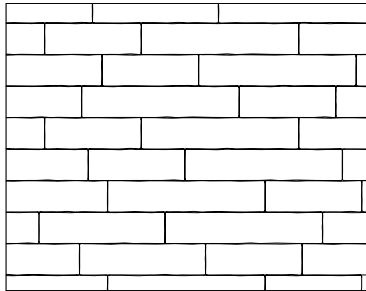
	200 (A)	300 (B)	400 (C)
60% of surface - Quarry Stone 100 mm	12	12	12
40% of surface - Quarry Stone 200 mm	4	4	4



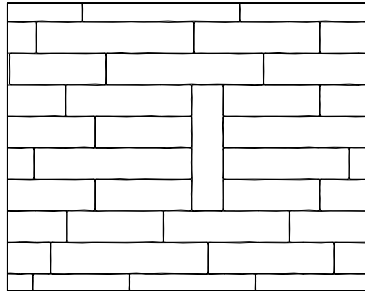
Installation guide

Walls

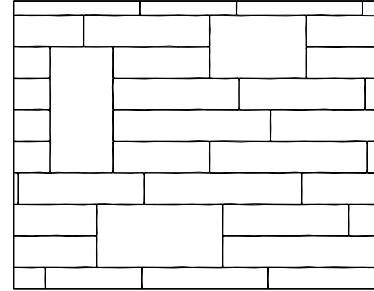
EXTRA WALL PATTERNS FOR MINI-CRETA 3" AND 6"



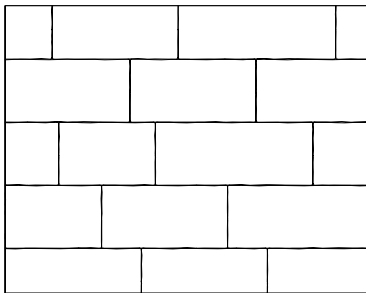
Mini-Creta 3" – Linear pattern



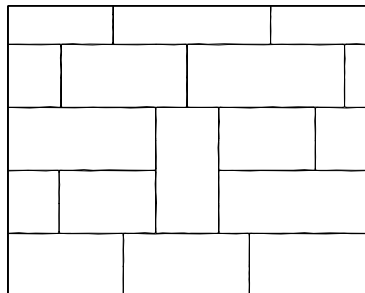
Mini-Creta 3" – with vertical units



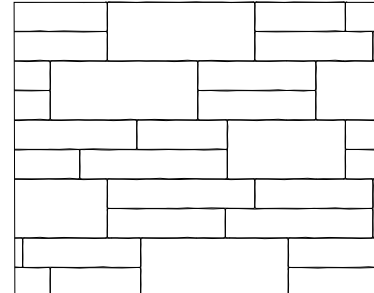
Mini-Creta 3" and 6" – with vertical units



Mini-Creta 6" – Linear pattern

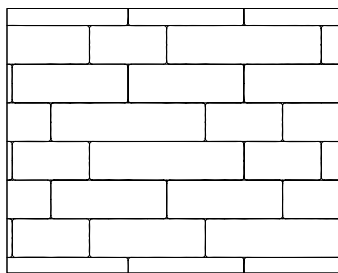


Mini-Creta 6" – with vertical units

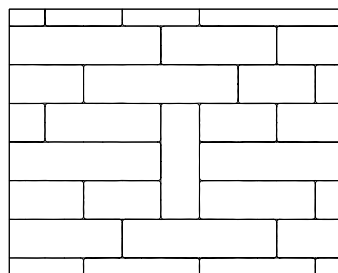


As shown on pages 130 to 133
(Mini-Creta 3" and 6")

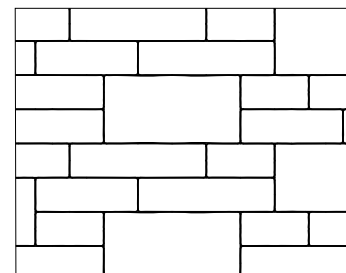
EXTRA WALL PATTERNS FOR QUARRY STONE 100 mm AND 200 mm



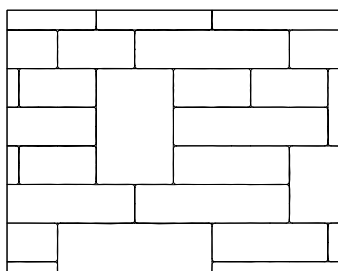
Quarry Stone 100 mm



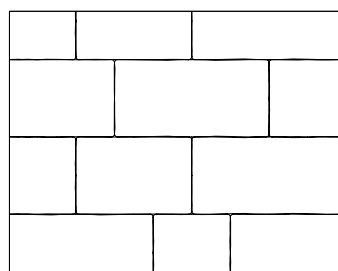
Quarry Stone 100 mm – with
vertical units



As shown on pages 134 to 137
(Quarry Stone 100 and 200 mm)



Quarry Stone 100 and 200 mm –
with vertical units



Quarry Stone 200 mm – with
vertical units

Installation guide

Monumental wall

GENERAL NOTE

Segmental retaining wall blocks are enormously popular today, so much so that a 24' (7-m) high wall supporting a 1,000 psf (48 kPa) load is no longer considered to be a reinforced concrete application. Techo-Bloc's Monumental is granite-like in appearance and suits high wall applications very well. The base block and regular unit allow versatile applications and offer superior structural strength. The units have tapered sidewalls, allowing interior and exterior curves. When incorporating the built-in 11-degree batter under the right soil conditions, walls as high as 10' (3-m) can be achieved without the use of geogrid. The appearance of the Monumental will enhance any environment and soften the image of an industrial facility.



Monumental requires mechanical installation, greatly reducing installation time and avoiding manual labor. Lifting the Monumental units with excavation equipment already on-site for earthwork reduces crew downtime. With its large profile when placed in a running bond stacking pattern, the Monumental brings back the natural carved beauty of a quarried stone.



IMPORTANT

The technical guidelines provided by Techo-Bloc are consistent with industry standards in general and NCMA design methodology and guidelines. Global stability of the wall being built should be addressed by the site designer or project geotechnical engineer. The correct application of any design is the responsibility of the user and should be verified by an engineer. A local wall designer should engineer all retaining walls for site-specific conditions.

For safety during construction a safety rail or net must be installed securely onto the Monumental wall for the fall protection of the wall installers. When building a Monumental wall over five feet all persons working around the perimeter of the wall must be securely harnessed.

It should be noted that all suggestions and recommendations by Techo-Bloc are based on general industry instructions, and should not be interpreted as constituting an engineer's specifications.

INSTALLATION OUTLINE

01 INSPECTION AND PREPARATION

- A. Plan and execute the project according to the drawings and specifications prepared by the engineer.
- B. Notify the engineer of site conditions that may affect wall performance, soil conditions observed other than those assumed, or other conditions that may require a reevaluation of the wall design.
- C. Verify the location of existing structures and utilities prior to excavation.
- D. Ensure surrounding structures and buried utilities are protected from the effects of wall excavation. Embankment support, if required, including stability of the excavation area, are the responsibility of the contractor.

Installation guide

Monumental wall

02 EXCAVATION AND FOUNDATION PREPARATION

- A. Excavate the native soil to the lines and grades specified on the site grading plans. After the excavation, the native soil must be inspected by an engineer in order to ensure that the soil's bearing capacity is in keeping with specifications. Use care in excavating to prevent disturbance of the sub-grade beyond the lines specified by the engineer.
- B. Beginning at the lowest elevation point of the Monumental wall, excavate a trench at least 40" (1-m) wide for the regular Monumental unit or 54" (1.35 m) wide for the Monumental Base unit down the length of the wall that will accommodate at least all of the leveling pad and 8" minimum (200 mm) of block embedment. Fill over excavated areas with suitable compacted backfill, as recommended by the engineer.

03 LEVELING PAD PREPARATION

- A. Before laying the leveling pad material, it is recommended that you install a geotextile membrane along the bottom and banks of the trench to prevent the contamination of soil and leveling pad.
- B. Place leveling pad material to the depths and widths shown on specifications.
- C. Extend the leveling pad laterally at least 7" (175 mm) in front and 12" (300 mm) behind the lowermost Monumental retaining wall unit.
- D. The leveling pad should have a minimum thickness of 8" (200 mm) and should be installed in 6" (150 mm) thick layers and compacted to 98 percent Standard Proctor or according to project specifications. The leveling pad should be composed of 0-3/4" (0-20 mm) granular material.
- E. Compact granular leveling pad material to provide a level, hard surface on which to place the first course of Monumental units.
- F. Prepare leveling pad material to ensure complete contact with bottom of all Monumental retaining wall base units installed. Gaps are not tolerated.



Geotextile and compaction



Leveling pad after compaction



Leveling each unit

04 WALL CONSTRUCTION

- A. The Monumental Wall unit has a unique lifting system. Techo-Bloc has developed a driving anchor for lifting and positioning Monumental. Attach a chain or sling securely to the Monumental-lifting anchor provided by Techo-Bloc and insert the Monumental-lifting anchor into the opening on the top of the block. Turn the Monumental-lifting anchor 90-degrees to lock the Monumental into place. Lift the Monumental up securely and place into the desired area. Stand clear of the Monumental while it is suspended in the air for safety reasons.



Installation guide

Monumental wall

- B. Select the “U” insert for building an 11° batter wall, or the “Z” insert to build a near vertical wall. Make sure you inform your local dealer when building a vertical wall, since only the “U” insert is standard.



Installing the first course



Cleaning debris off units

- C. Install the first course of base block on the prepared leveling pad. Make sure all units are level and aligned correctly. Use a string line measured from the back of the block to set your alignment.
- D. Place the drainage aggregate in 8" (200 mm) lift and a minimum 12" (300 mm) directly behind and in the Monumental wall units. Fill in the voids of the Monumental units with drainage aggregate. Cap the backfill and drainage aggregate zone with 8" (200 mm) of impervious material.
- E. Install a perforated PVC drainage pipe 4" (100 mm) in diameter. Slope the main collection drainage pipe, located just behind the Monumental units $\frac{1}{4}$ " per ft. (6 mm per 300 mm), this will give you a 2% slope and provide gravity flow to the daylighted areas. You can also connect the drainage pipe to a storm sewer system at 50' (15-m) maximum interval.



Installing the first course



- F. For inclined (11°) walls, you will use the “U” connector and a “Z” connector for near vertical walls. Place the connectors as recommended by the manufacturer. When geogrid is required, the insert must be installed above the geogrid so that it gets wedged into the slots.
- G. Check each course for level and alignment. Prior to adding successive courses, the top of each Monumental needs to be cleaned free of foreign material.
- H. Repeat this process for each successive course. Large compaction or construction equipment should be kept more than 3' (1-m) away from the back of the wall. This 3' (1-m) area should be compacted with a vibrating plate compactor.

05 MULTI-LEVEL OR STEPPED BASE WALL

When building a multi-level Monumental wall, each level must be constructed according to rigorous standards.

- A. Separate the elevation into individual landings as per engineer's specifications and consistent with the height of Monumental.
- B. When calculating the landing, take into account the drop value of the height of the Monumental wall.
- C. Step the units accordingly in order to maintain the required embedment.
- D. Maintain running bond joint pattern so that vertical joints are staggered between courses.
- E. Use the Monumental regular to maximize bridging between steps.

Installation guide

Monumental wall

06 INSTALLATION OF GEOGRID (IF REQUIRED)

Geogrids should be installed according to manufacturers' recommendations.

- A. Orient the geogrid with the highest strength axis perpendicular to the wall face.
- B. Prior to geogrid placement, pour the backfill and compact to the elevation of the top of the wall units according to the degree of compacting specified by the engineer. For compacting immediately behind the wall face, see section 4-H.
- C. Install appropriate geogrid strength at the proper elevations and to the lengths specified on the wall design.
- D. Lay the geogrid horizontally on top of the Monumental wall units and the compacted backfill soils. Place the geogrid within two inches of the face of the Monumental wall units. Install the inserts and lay the next course of Monumental wall units on top of the geogrid.



Installing geogrid horizontally



Tensioning geogrid

- E. The geogrid must be pulled taut and free of wrinkles before backfilling the retaining wall. In order to do so, pull the geogrid hand-taut and secure the ends with staples, stakes, or by hand tensioning the geogrid until it is covered by 6" (150 mm) of loose fill.
- F. The geogrid must be continuous throughout its embedment lengths. Splices in the geogrid strength direction are not tolerated.

07 BACKFILL PLACEMENT

- A. Pour backfill at the back of the wall and compact to minimize any geogrid relaxation.
- B. Place fill within the reinforced zone and compact in lifts not exceeding 6" (150 mm) (loose thickness) where hand-operated compaction equipment is used, and not exceeding 10" (250 mm) (loose thickness) where heavy, self-propelled compaction equipment is used.

Note: Only lightweight hand-operated compaction equipment is permitted to operate within less than 3' (1-m) of the back of the Monumental wall units. If the specified compaction level cannot be achieved within 3' (1-m) of the back of the Monumental wall units, replace the reinforced soil in this zone with drainage aggregate material.

- C. Minimum compaction requirements for fill placed in the reinforced zone:

Walls less than 15' (4.5 m) high – Compact to 95% of the soil's Standard Proctor maximum dry density (ASTM D698) or modified Proctor (ASTM D1557) for the entire wall height, as indicated by the engineer.

Walls over 15' (4.5 m) high **but not more than 30' (9-m) high** – Change compaction requirements to 98% of the soil's Standard Proctor or modified Proctor (ASTM D1557) maximum dry density (ASTM D698) for the entire height up to 30' (9-m), as indicated by the engineer.

Walls over 30' (9-m) high – Change compaction requirements to 100% of the soil's Standard Proctor maximum dry density (ASTM D698) or modified Proctor (ASTM D1557) for the entire wall height, as indicated by the engineer.

- D. Utility trench backfill: Compact utility trench backfill in or below the reinforced soil zone to the same requirements as the wall height, as indicated by the engineer.

Note: Utilities must be properly designed (engineered) to withstand all forces from the Monumental wall units, reinforced soil mass, and surcharge load, if any.

- E. Moisture content: Soil shall be moisture conditioned before placement to within two percentage points of the optimum moisture content for all wall heights.
- F. These specifications may be changed based on recommendations by the engineer.
- G. At the end of each day's operation, slope the last level of compacted backfill to direct surface water runoff away from the wall face. The general / earthwork contractor is responsible for ensuring that the site drainage during construction is directed away from the Monumental wall until permanent site drainage features are operational.

Installation guide

Monumental wall

08 CAP UNIT INSTALLATION

- A. Apply a concrete adhesive to the top of the cleaned surface of the unit below and place the Monumental cap unit into the desired position.
- B. If necessary, cut the Monumental cap units to obtain the proper fit.
- C. Backfill and compact to top of the Monumental cap unit.

09 CURVE / CORNER INSTALLATION

CONVEX AND CONCAVE CURVES

- A. Place the Monumental units on the leveling pad such that there are no gaps between the two faces of the Monumental Units used.
- B. When building multiple courses on a curve, begin installation by placing a Monumental in the middle of the curve, centering on two Monumental blocks directly below it.
- C. Place the Monumental units side by side from the center block outward along the curve.
- D. Place the Monumental caps and measure the distance of the gap between the caps. Using this measurement, cut the Monumental cap so it is parallel with the adjacent Monumental cap unit.
- E. Slide the Monumental cap in its place so that it is flush with the adjacent Monumental cap unit.
- F. The minimal radius obtained with the Monumental is 17' (5.2 m).

OUTSIDE 90-DEGREE CORNER

- A. When building a Monumental wall with an outside 90-degree corner, it is recommended that the construction of the Monumental wall start at the corner desired and continue working away from this point in both directions. The placement of the Monumental corner blocks will allow a normal batter consistency in both wall directions.
- B. One standard Monumental corner block will be used at the corner of each course of the wall. The Monumental corner blocks will overlap each other at the corner, coming together in a "zipper fashion". The Monumental corner blocks should be glued at the corner where they overlap with a concrete adhesive.

INSIDE 90-DEGREE CORNER

When building a Monumental wall with an inside 90-degree corner, it is recommended that you start each subsequent course at the corner and lay out block from that corner.



FENCING / GUARDRAILS

Guardrails and handrails should be installed behind the Monumental in the soil. It is possible to install fencing at the top of the Monumental wall by core drilling into the top of the Monumental. Follow the instructions of the railing manufacturer and wall design engineer. It is, however, recommended that if the fencing is to be installed at the top of the wall, the top two rows of Monumental should be glued to the rows of Monumental Blok beneath it with a concrete adhesive.

Installation guide

Monumental wall

10 GEOGRID INSTALLATION IN A CURVE / CORNER APPLICATION

CONVEX CURVE

- A. Place geogrid perpendicular to wall face at center of geogrid. Trim the geogrid to fit onto the curved face of the wall and place the geogrid with the curve to follow its contour.
- B. Overlapping layers of geogrid on a convex curve requires a minimum of 3" (75 mm) of soil between them for proper anchoring. Repeat for successive specified geogrid layers.
- C. Install the geogrid to the length specified by the wall designer.

CONCAVE CURVE

- A. The strength direction of the geogrid must be placed perpendicular to the wall face. Align the cut geogrid sections so that they follow the contour of the concave curve. Geogrid layers should not overlap. A wall designer should specify the desired length of geogrid.
- B. The next successive geogrid layer must be placed to cover the area of reinforced soil below. This will maximize lapping. Repeat these steps for successive specified geogrid layers.

OUTSIDE 90-DEGREE CORNER

To insure proper anchorage, it is important that geogrid layers that overlap on an outside 90-degree corner are covered by 3" (75 mm) of soil. Repeat for successive specified geogrid layers.

11 FINAL TOUCH

When prelaying the last course of Monumental and capstones, overlap the geotextile towards the wall, totally covering the 0-³/₄" (0-20 mm) clear crushed stone (drainage material). Use impervious soil to cover the drainage stone and remainder of the back fill. The soil cap must be manually compacted and it is recommended that a swale be created in order to channel water off the top of the wall. For all other applications, such as concrete or asphalt situated behind the wall, it is a requirement that you compact the 2' (600 mm) behind the Monumental wall with a lightweight compacting plate at 6" (150 mm) intervals.

Installation guide

Steps

GENERAL NOTE

A wide range of options is available for building a Techo-Bloc staircase. The riser may have different heights, depending on the model of block chosen. These models include Escala, Mini-Creta, Quarry Stone and Suprema. The Aged cap, Antique Step 14", Bullnose, Escala cap, Muro cap, Niagara cap, Piedimonte, Portofino or the Prima 14" cap are used for the step and secured with concrete adhesive.

INSTALLATION OUTLINE

01 INSTALLATION OF THE RISER

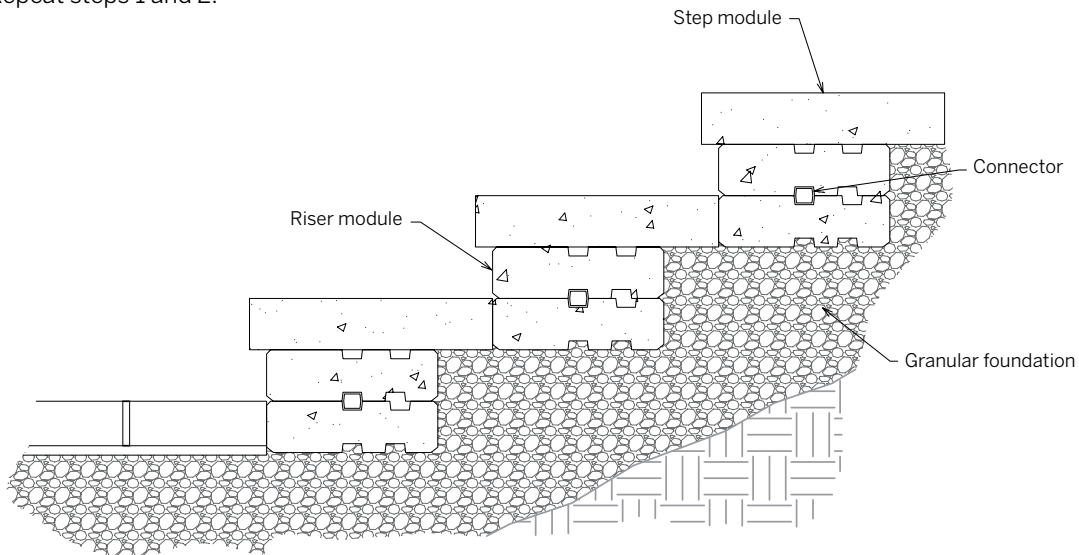
Install the riser with the block model selected. For some models (e.g., Mini-Creta 3"), you will need to install two rows when building a riser. In this case, make sure you use the connectors in the right position. Fill in and compact behind the riser with crushed stone.

02 INSTALLATION OF STEP

Install the step modules on top of the riser row. Stagger the joints between the riser and step. The step modules must be secured to the riser modules with concrete adhesive.

03 INSTALLATION OF ADDITIONAL ROWS

Repeat steps 1 and 2.

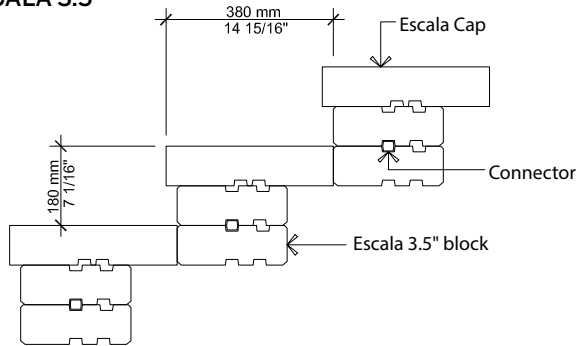


STEP INSTALLATION
Typical cross section

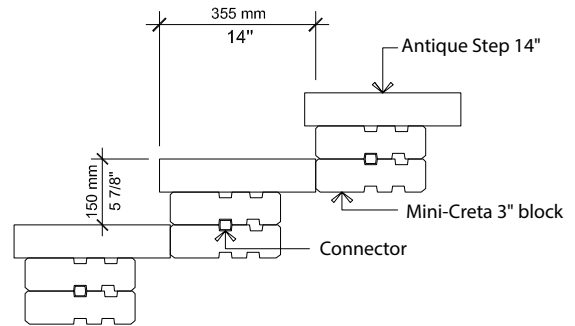
Installation guide

Steps

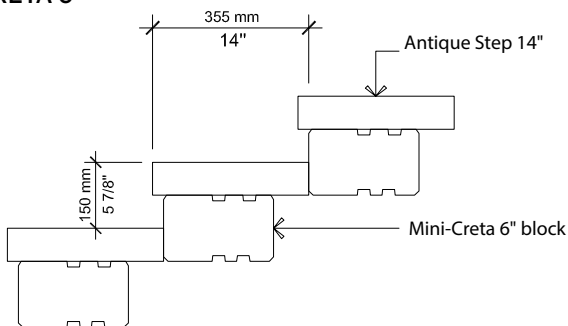
ESCALA 3.5"



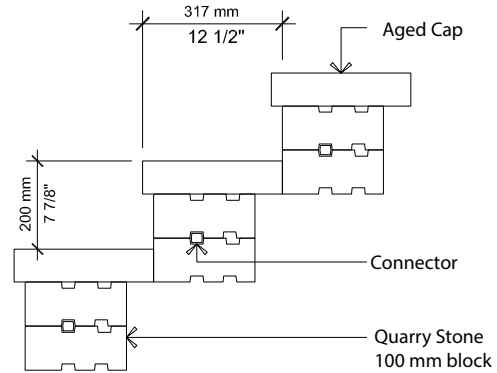
MINI-CRETA 3"



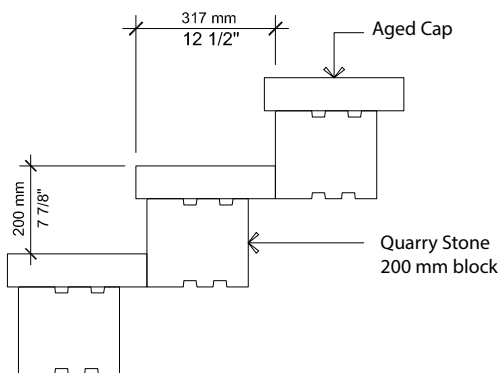
MINI-CRETA 6"



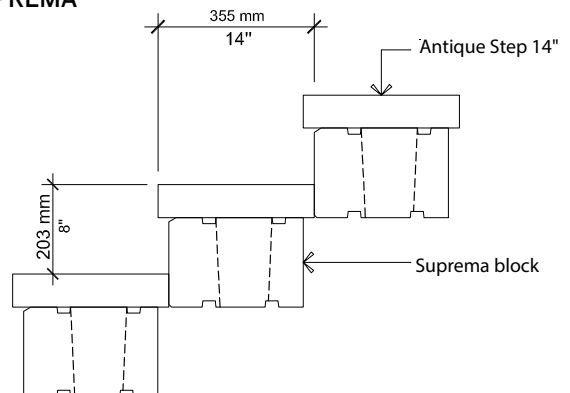
QUARRY STONE 100 mm



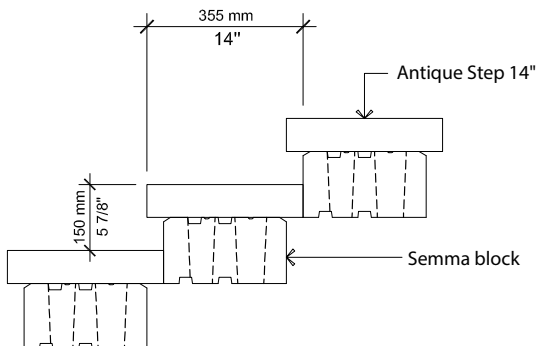
QUARRY STONE 200 mm



SUPREMA



SEMMA



Installation guide

Concrete Overlay System

INSTALLATION OUTLINE

BLU 45 mm

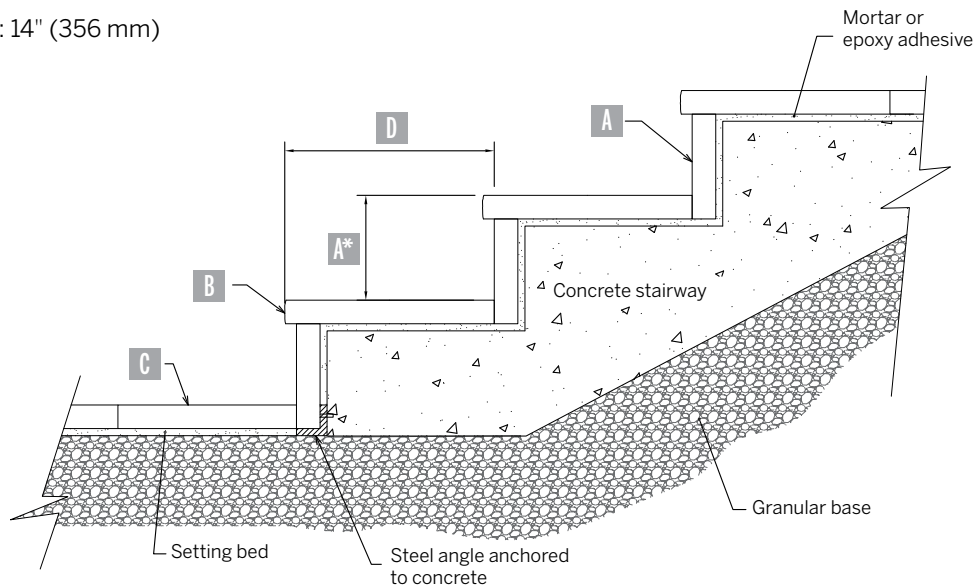
Slabs are used to cover concrete patios.

VENETIAN SERIES

Cap, riser, and slab are used to cover concrete stairways.

Both products can be installed with a suitable binder such as mortar or epoxy adhesive. The installation can also be done with or without filling in joints with mortar.

- A** Riser
- A*** Riser height: 7" (178 mm)
- B** Step
- C** Venetian slab
- D** Step depth: 14" (356 mm)



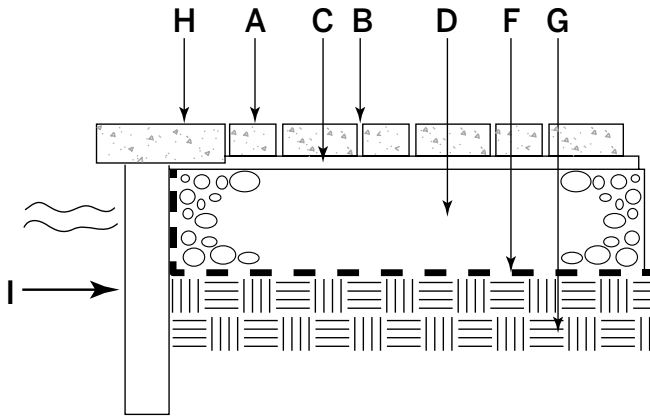
STEP OVERLAY SYSTEM INSTALLATION

Typical cross section

Installation guide

Pool Coping

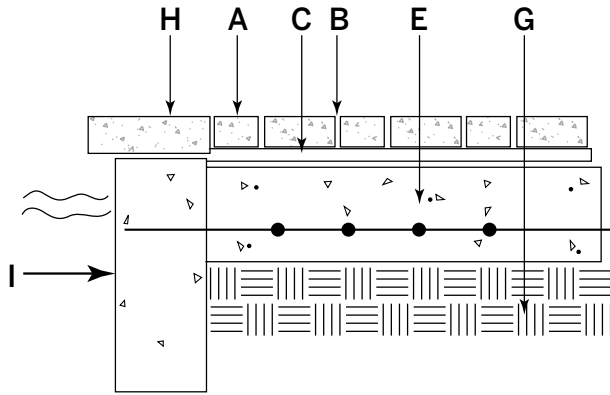
INSTALLATION OUTLINE



POOL COPING INSTALLATION – ON COMPACTED CRUSHED STONES FOUNDATION

Typical cross section

- A TECO-BLOC PRECAST PAVING STONES (ASTM C936), (CSA A231.2). PAVER SURFACE PITCH FOR POSITIVE DRAINAGE (MINIMUM 1.5%, $\frac{3}{16}$ " / FT. [5 mm / 300 mm])
- B SAND JOINT FILL (ASTM C144), (CSA A179)
- C SAND SETTING BED: 1" (25 mm) BEFORE COMPACTION (ASTM C33), (CSA A23.1)
- D BASE STONE DEPTH VARIES WITH SOIL TYPE, CLIMATE, LOAD AND WATER TABLE
- E REINFORCED CONCRETE SLAB
- F WOVEN GEOTEXTILE
- G SUB-GRADE SOIL: COMPACTED, CLASSIFIED AND PROPERLY GRADED
- H TECO-BLOC PRECAST POOL COPING / CAPS
- I POOL SHELL

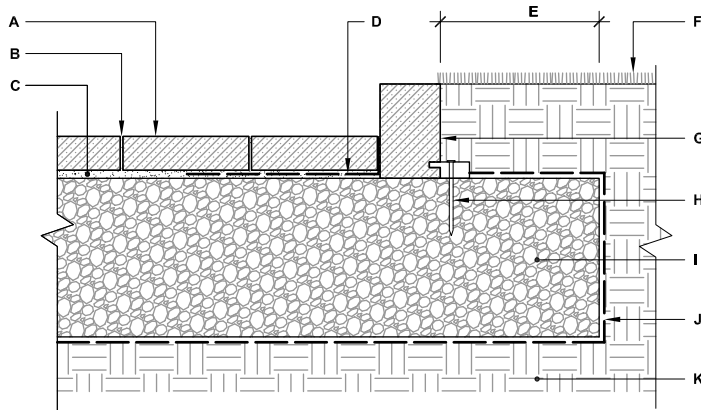


POOL COPING INSTALLATION – ON REINFORCED CONCRETE FOUNDATION

Typical cross section

Installation guide

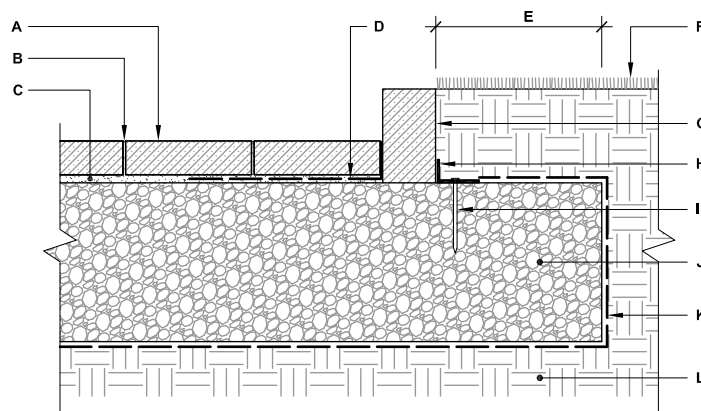
Edges



- A. TECO-BLOC PRECAST CONCRETE PAVER 2³/₈" (60 mm) THICK MIN.
- B. SAND JOINT FILL
- C. SAND SETTING BED (CONCRETE SAND) 1" (25 mm)
- D. GEOTEXTILE 12" (300 mm) WIDE
- E. EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
- F. LAWN
- G. TECO-BLOC AVIGNON EDGE
- H. NAIL
- I. COMPACTED GRANULAR BASE 0-³/₄" (0-20 mm)
- J. GEOTEXTILE
- K. SUBGRADE

AVIGNON EDGE INSTALLATION

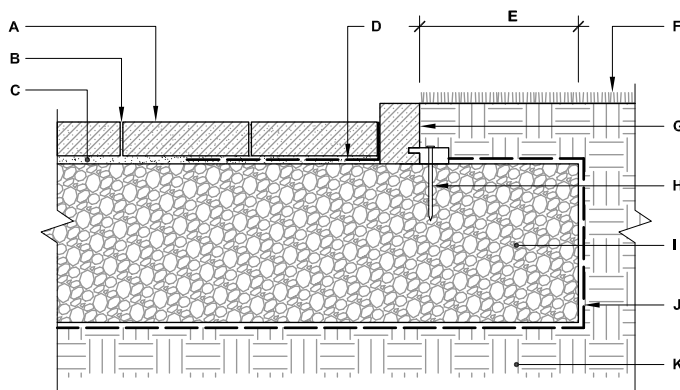
Typical cross section



- A. TECO-BLOC PRECAST CONCRETE PAVER 2³/₈" (60 mm) THICK MIN.
- B. SAND JOINT FILL
- C. SAND SETTING BED (CONCRETE SAND) 1" (25 mm)
- D. GEOTEXTILE 12" (300 mm) WIDE
- E. EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
- F. LAWN
- G. TECO-BLOC BELGIK EDGE
- H. PLASTIC EDGE
- I. NAIL
- J. COMPACTED GRANULAR BASE 0-³/₄" (0-20 mm)
- K. GEOTEXTILE
- L. SUBGRADE

BELGIK EDGE INSTALLATION

Typical cross section



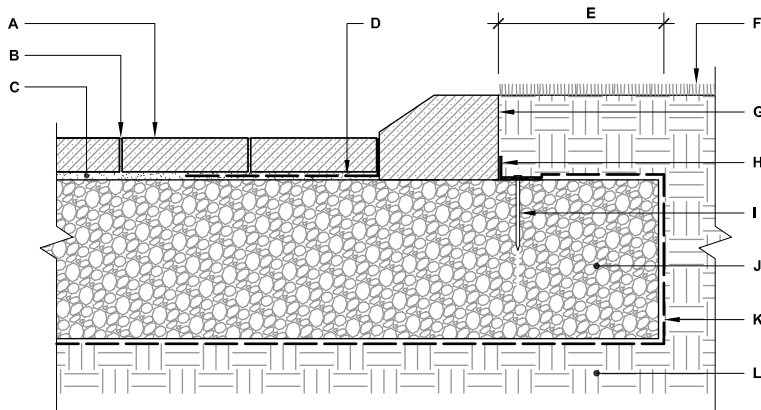
- A. TECO-BLOC PRECAST CONCRETE PAVER 2³/₈" (60 mm) THICK MIN.
- B. SAND JOINT FILL
- C. SAND SETTING BED (CONCRETE SAND) 1" (25 mm)
- D. GEOTEXTILE 12" (300 mm) WIDE
- E. EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
- F. LAWN
- G. TECO-BLOC PIETRA EDGE
- H. NAIL
- I. COMPACTED GRANULAR BASE 0-³/₄" (0-20 mm)
- J. GEOTEXTILE
- K. SUBGRADE

PIETRA EDGE INSTALLATION

Typical cross section

Installation guide

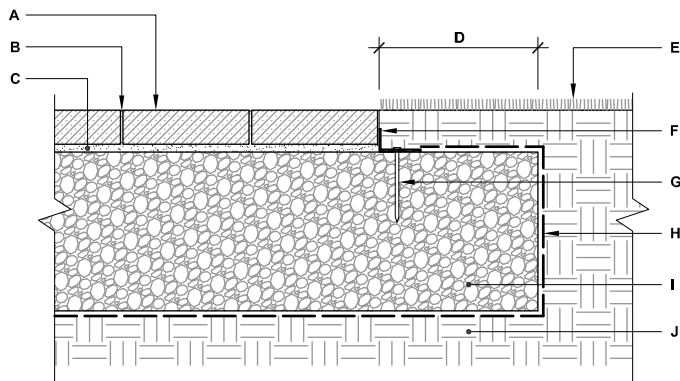
Edges



- A. TECO-BLOC PRECAST CONCRETE PAVER
2³/₈" (60 mm) THICK MIN.
- B. SAND JOINT FILL
- C. SAND SETTING BED (CONCRETE SAND)
1" (25 mm)
- D. GEOTEXTILE 12" (300 mm) WIDE
- E. EXTRA WIDTH EQUAL TO FOUNDATION
THICKNESS
- F. LAWN
- G. TECO-BLOC TUNDRA EDGE
- H. PLASTIC EDGE
- I. NAIL
- J. COMPACTED GRANULAR BASE 0-³/₄"
(0-20 mm)
- K. GEOTEXTILE
- L. SUBGRADE

TUNDRA EDGE INSTALLATION

Typical cross section



- A. TECO-BLOC PRECAST CONCRETE PAVER
2³/₈" (60 mm) THICK MIN.
- B. SAND JOINT FILL
- C. SAND SETTING BED (CONCRETE SAND)
1" (25 mm)
- D. EXTRA WIDTH EQUAL TO FOUNDATION
THICKNESS
- E. LAWN
- F. PLASTIC EDGE
- G. NAIL
- H. GEOTEXTILE
- I. COMPACTED GRANULAR BASE 0-³/₄"
(0-20 mm)
- J. SUBGRADE

PLASTIC EDGE INSTALLATION

Typical cross section

Installation guide

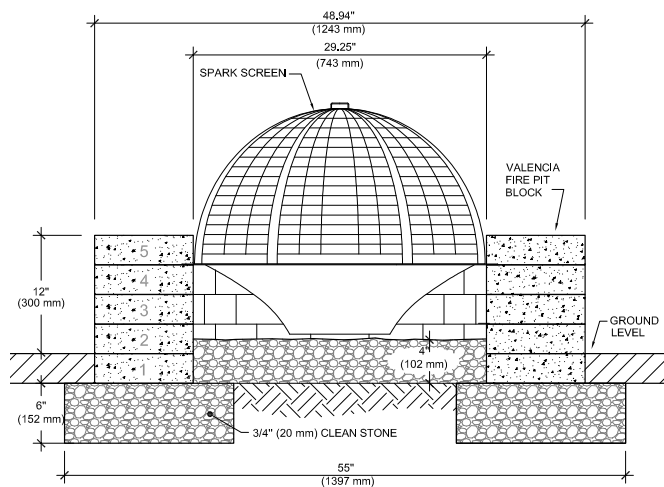
Valencia Fire Pit

INSTALLATION OUTLINE

01 FOUNDATION

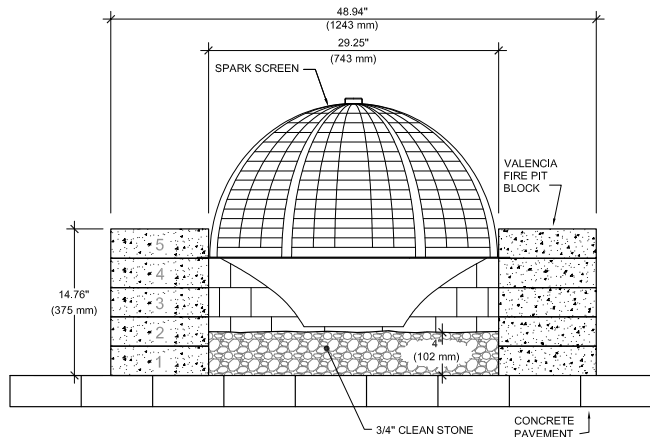
FOUNDATION – OPTION 1 – COMPACTED GRAVEL BASE

The Valencia fire pit should be installed on a well-compacted $\frac{3}{4}$ " (20 mm) stone base (minimum of 4" [100 mm]). The first row of Valencia blocks should be embedded below ground level.



FOUNDATION - OPTION 2 - CONCRETE BASE OR CONCRETE PAVERS

When installing the fire pit on a concrete base or on concrete pavers, make sure you fill the inside of the fire pit with a layer of sand or $\frac{3}{4}$ " (20 mm) clean stone material. This will allow the filtration of any water that may evacuate through the walls following a rainstorm.



02 STARTER ROW

While laying down the first row of blocks, make sure they are perfectly leveled, then glue the second row of blocks to the first using heat-resistant concrete adhesive. Make sure that the joints of the second row are not aligned with the first row of blocks (crossed joints). This is accomplished by laying the first block of the second row as follows: place the center of the block directly on top of the joint created by the two first-row blocks (see image B). Repeat step 2 until you have achieved the desired height of the fire bowl and continue to step 3. Do not glue the second to last row of blocks, as that is where the log support and fire bowl will be installed.

Note: The Valencia fire pit must be a minimum height of 15" (380 mm) including the cap.

03 FIRE PIT

Before installing the last row of blocks (caps), you will need to insert the fire bowl and the log support grill (see image C).

04 INSTALLING CAPS

We strongly recommend against the gluing of caps. When placing the spark screen, make sure it rests on the fire bowl and not on the caps (see images D & E). Finally, you will be required to use the poker stick to remove or place the spark screen when the fire pit is in use. The spark screen handle becomes very hot from the fire.



NOTE:

It is strongly recommended that the sand (or clean stone material) be replaced at the start of each season in order to ensure proper filtration.



Installation guide

Foyer

GENERAL INFORMATION

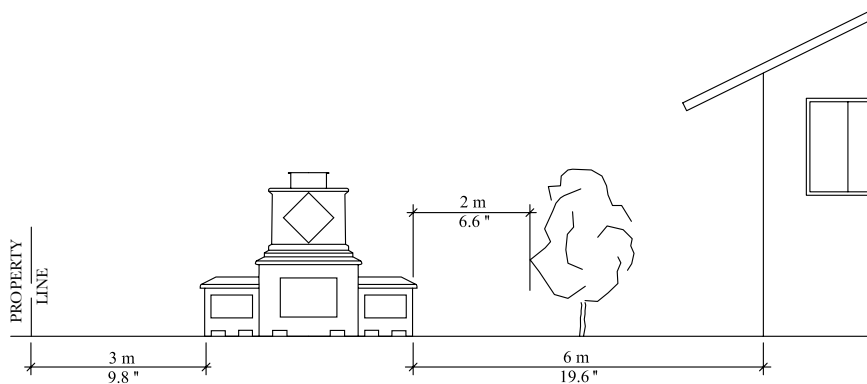
Carefully read the information in this manual before installing and using the fireplace. Improper installation, operation and maintenance can result in serious injury, fire and/or property damage.

IMPORTANT

Techo-Bloc strongly recommends verifying with your municipality for regulations on the installation and use of the outdoor fireplace prior to installation. We also recommend that you contact your home insurance company and advise them of the acquisition of your new Techo-Bloc fireplace.

LOCATION

This fireplace is for OUTDOOR USE ONLY and should NOT be used inside a building, garage, shed, or any other closed space. When selecting the area to install a fireplace, make sure to allocate a minimum distance of 19.6 feet (6 m) from any structure or building (e.g. house, garage, gazebo, etc.). Check local regulations to determine how far from the building, other structures, and property lines the fireplace must be placed.



Make sure that there is nothing directly above the fireplace area that can be a potential fire and/or injury hazard, such as tree branches, awnings, patio umbrellas, electrical wires, transformers, etc.

PREPARATION: FOUNDATION

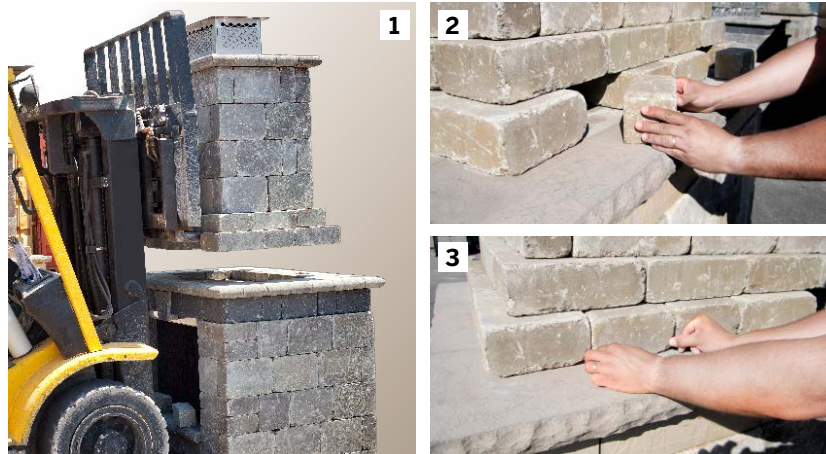
1. Determine where you want to locate your fireplace in your yard or patio. Keep in mind that this is a pre-built unit, and that your contractor or distributor will need access to deliver the unit.
2. Excavate as necessary for the concrete foundation. The foundation must be built according to your local building code. Check with your municipality and local building code for requirements for fireplace foundations.
3. The following drawings are for informational purposes only; they are not site specific. It is the installer's sole responsibility to verify all measurements and local regulations prior to construction.

INSTALLING YOUR FIREPLACE

1. Remove the shipping straps from the fireplace and insert the forklift forks between the openings in the base.
2. Place the base on the level concrete base (see Preparation: foundation in previous section)
3. Install the filler blocks in the fork holes.

Installation guide

Foyer



4. Remove the shipping straps that hold the top unit to the skid.
5. Insert the forks of the lifting device into the slots in the top unit and lift it onto the base unit. Make sure the two units are precisely aligned using the markings on the base unit, otherwise the flue will not slide down into the proper position.
6. Once the top unit is in place, remove the shipping screws from the flue and slide the flue liner into place. The liner should rest flat on top of the base unit, not on the coping or caps. Make sure the flue slides down to the concrete opening. Re-attach the cap to the flue liner through the holes in the chimney cap.



7. Place the filler blocks into the fork holes.
8. Gently place the wood boxes (if purchased) on either side of the fireplace. Be very careful, as the bullnose or coping will break if it is pushed too hard against the fireplace.

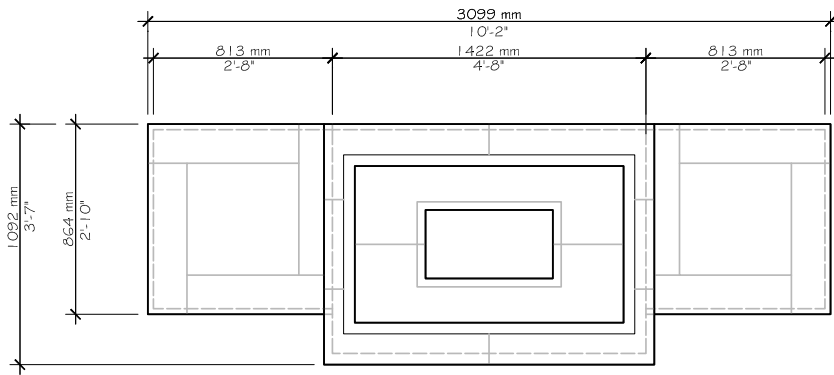


9. You are now ready to start a fire in the fireplace. For best results, you may want to purchase a wood rack at your local hardware store.

NB: If you want a permanent installation, you may glue the units and the filler blocks in place using any paver or masonry glue. Otherwise, avoid glue.

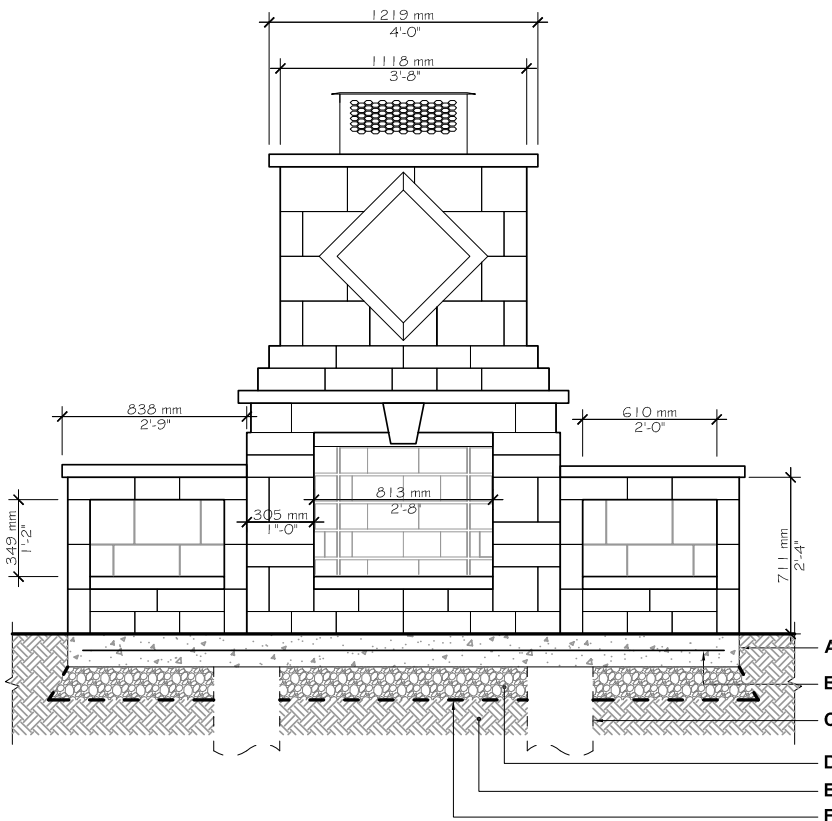
Installation guide

Foyer Harvest Gold

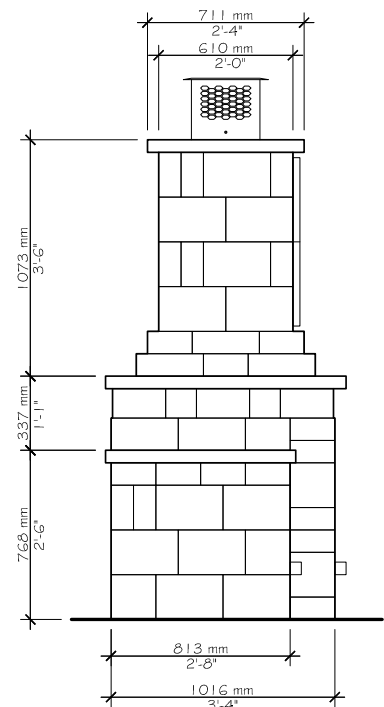


TOP

- A. CAST IN PLACE CONCRETE SLAB - 30 MPa 150 mm (6") THICK
- B. 152 × 152 MW 18.7 × MW 18.7 (6 × 6-W2.9 × W2.9) WELDED WIRE MESH AS PER SITE CONDITIONS
- C. 300 mm (12") Ø CONCRETE PILLAR FOUNDATION EXTENDED TO 150 mm (6") BELOW FROST LINE AS PER SITE CONDITIONS AND LOCAL BUILDING REGULATIONS
- D. 20 mm (3/4") CLEAN STONE 150 mm (6") THICK MIN. AS PER SITE CONDITIONS
- E. NATURAL SOIL OR COMPACTED BACKFILL
- F. GEOTEXTILE



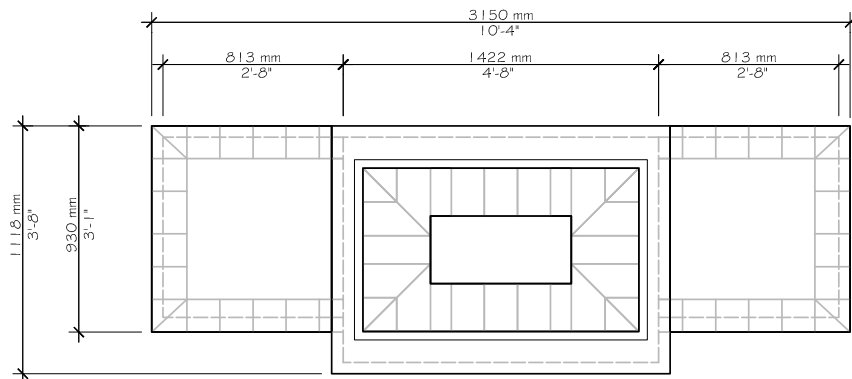
FRONT



SIDE

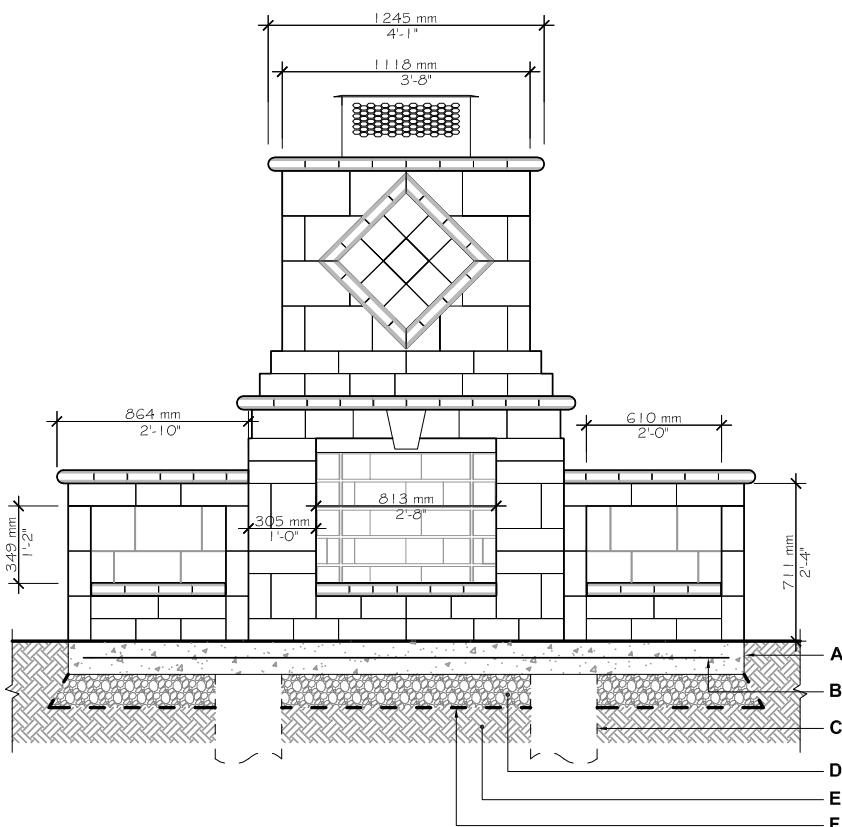
Installation guide

Foyer Oceana

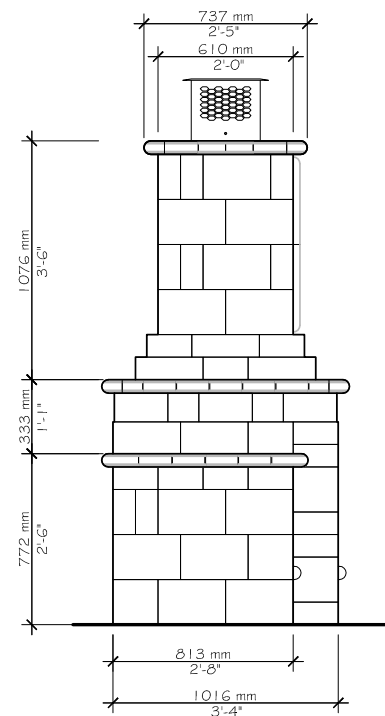


TOP

- A. CAST IN PLACE CONCRETE SLAB - 30 MPa 150 mm (6") THICK
- B. 152 × 152 MW 18.7 × MW 18.7 (6 × 6-W2.9 × W2.9) WELDED WIRE MESH AS PER SITE CONDITIONS
- C. 300 mm (12") Ø CONCRETE PILLAR FOUNDATION EXTENDED TO 150 mm (6") BELOW FROST LINE AS PER SITE CONDITIONS AND LOCAL BUILDING REGULATIONS
- D. 20 mm (3/4") CLEAN STONE 150 mm (6") THICK MIN. AS PER SITE CONDITIONS
- E. NATURAL SOIL OR COMPACTED BACKFILL
- F. GEOTEXTILE



FRONT



SIDE

Installation guide

Grill Island 6 ft.

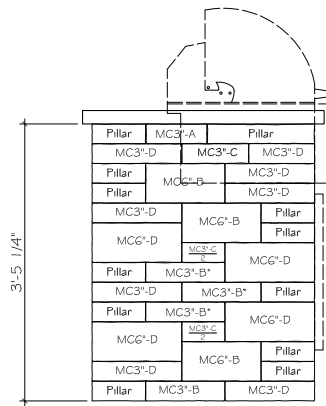
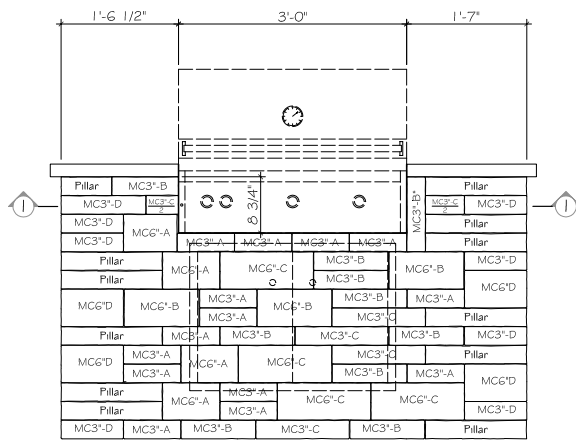
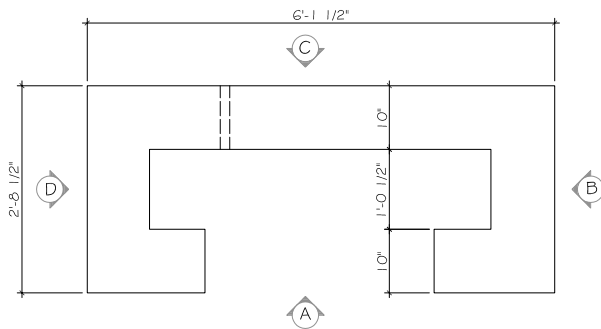


NOTE:

When installing the built-in grill, refer to the manufacturer's instruction guide for all specifications and requirements for natural gas or propane tank location, installation and ventilation.

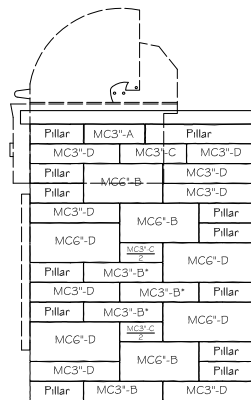
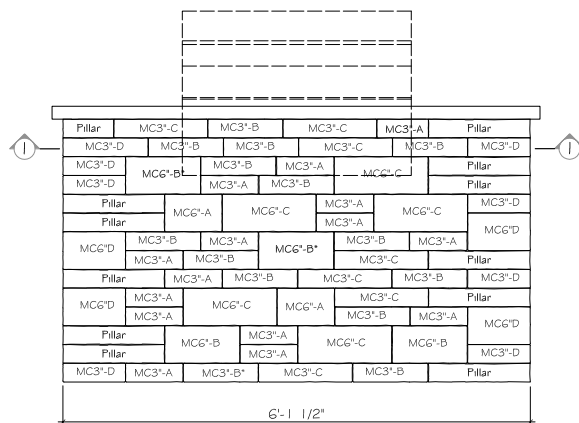
GRILL ISLAND – 6 FT. | Installation outline

6 ft.	PALLET	UNITS USED	UNITS REMAINING
Pillar 24" x 3"	1/2 pal.	A 24	
Mini-Creta 3"	1 pal.	A 31 B 24 B* 8 C 16 D 16	A 1
Mini-Creta 6"	1 pal.	A 6 B 11 B* 2 C 9 D 8	A 14 B 4 B* 3 C 1 D 2



ELEVATION A

ELEVATION B



ELEVATION C

ELEVATION D

Installation guide

Grill Island 8 ft.

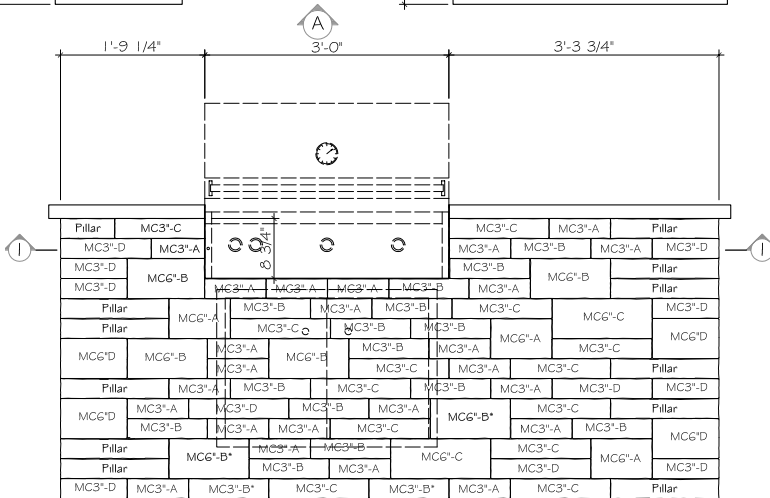
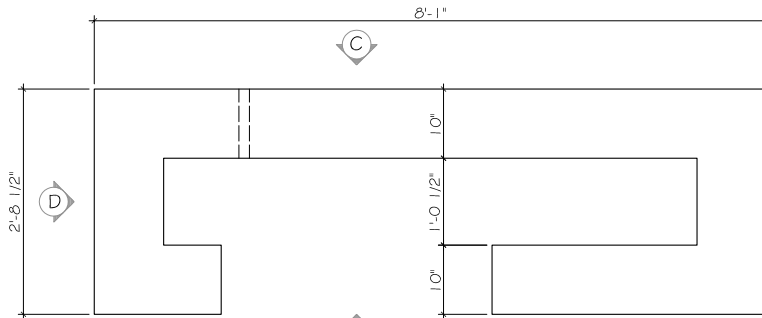


NOTE:

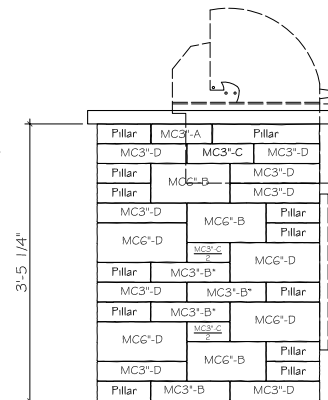
When installing the built-in grill, refer to the manufacturer's instruction guide for all specifications and requirements for natural gas or propane tank location, installation and ventilation.

GRILL ISLAND – 8 FT. | Installation outline

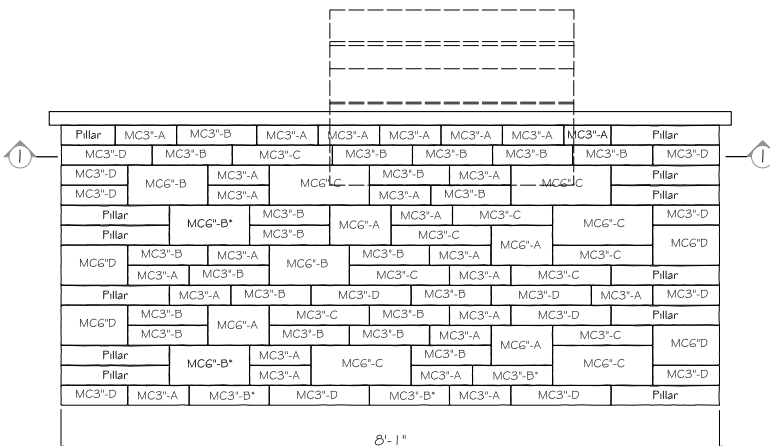
8 ft.	PALLET	UNITS USED	UNITS REMAINING
Pillar 24" x 3"	1/2 pal.	A 24	
Mini-Creta 3"	1 pal. + 5 rows	A 51 B 38 B* 11 C 25 D 24	A 1 B 1 B* 2 C 1 D 2
Mini-Creta 6"	1 pal.	A 7 B 12 B* 4 C 7 D 8	A 13 B 3 B* 1 C 3 D 2



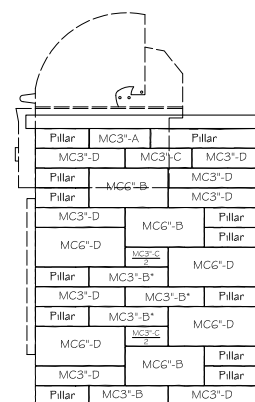
ELEVATION A



ELEVATION B



ELEVATION C



ELEVATION D

Installation guide

Grill Island 10 ft.

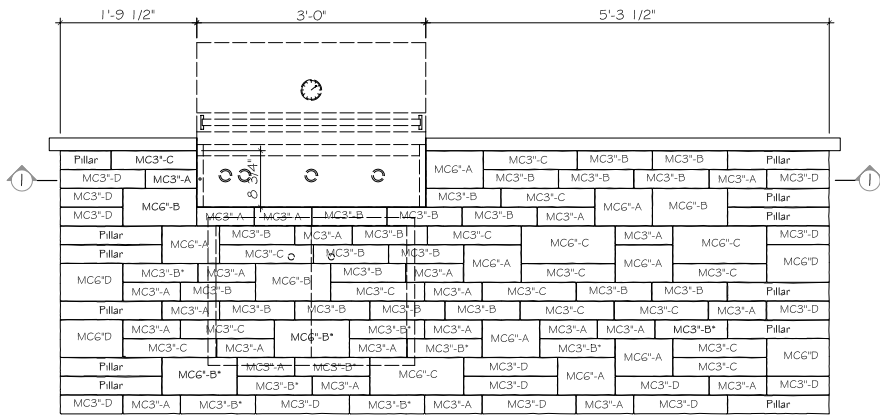
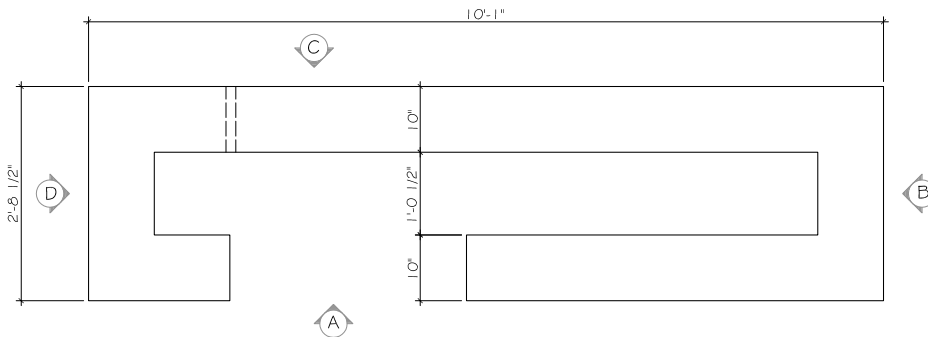


NOTE:

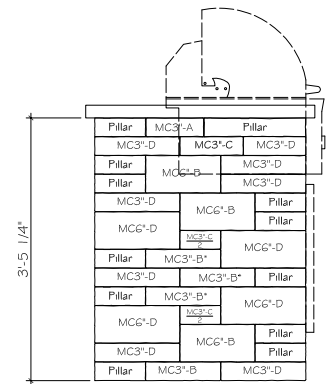
When installing the built-in grill, refer to the manufacturer's instruction guide for all specifications and requirements for natural gas or propane tank location, installation and ventilation.

GRILL ISLAND – 10 FT. | Installation outline

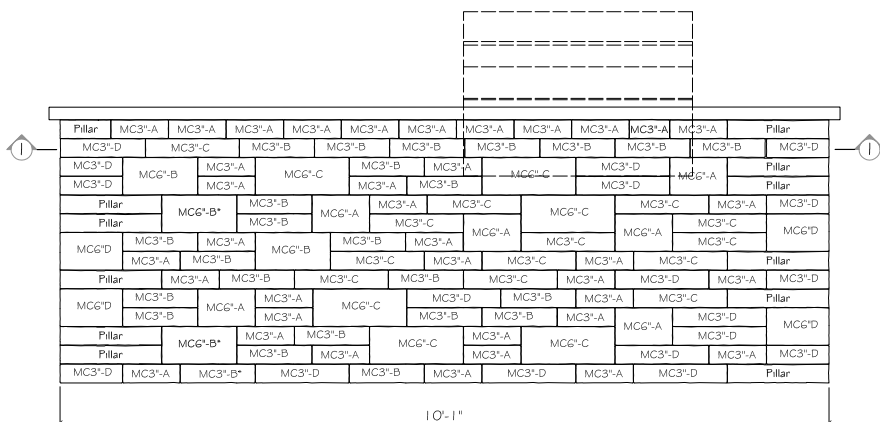
10 ft.	PALLET	UNITS USED	UNITS REMAINING
Pillar 24" x 3"	1/2 pal.	A 24	
Mini-Creta 3"	2 pal.	A 64 B 47 B* 16 C 32 D 32	B 1
Mini-Creta 6"	1 pal.	A 14 B 11 B* 4 C 9 D 8	A 6 B 4 B* 1 C 1 D 2



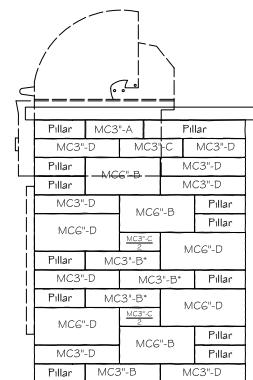
ELEVATION A



ELEVATION B



ELEVATION C



ELEVATION D

Installation guide

Grill Island 12 ft.

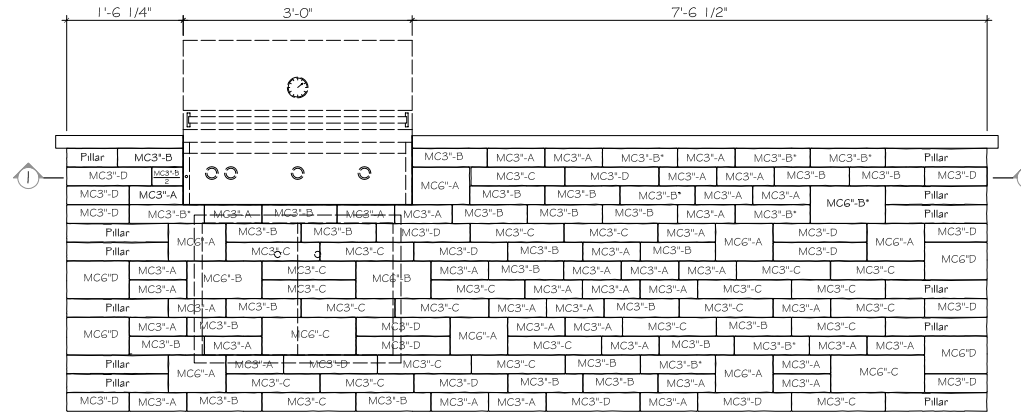
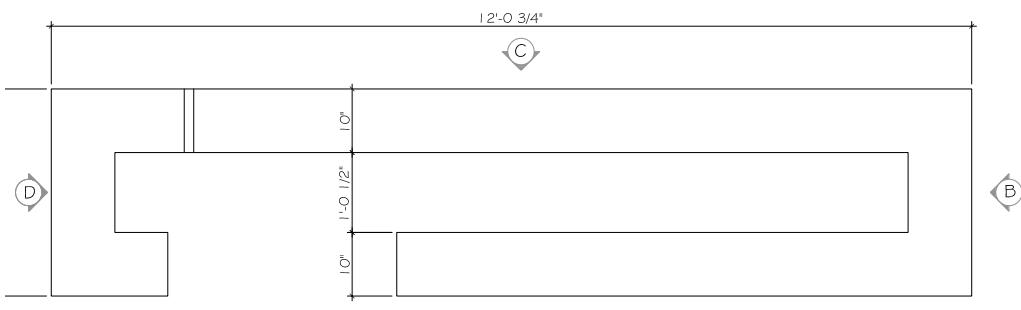


NOTE:

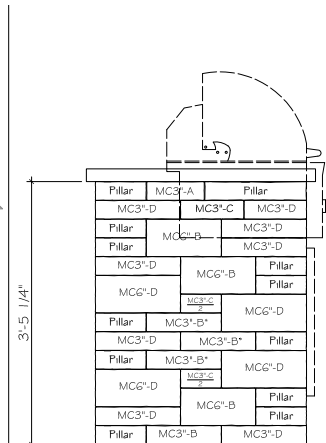
When installing the built-in grill, refer to the manufacturer's instruction guide for all specifications and requirements for natural gas or propane tank location, installation and ventilation.

GRILL ISLAND – 12 FT. | Installation outline

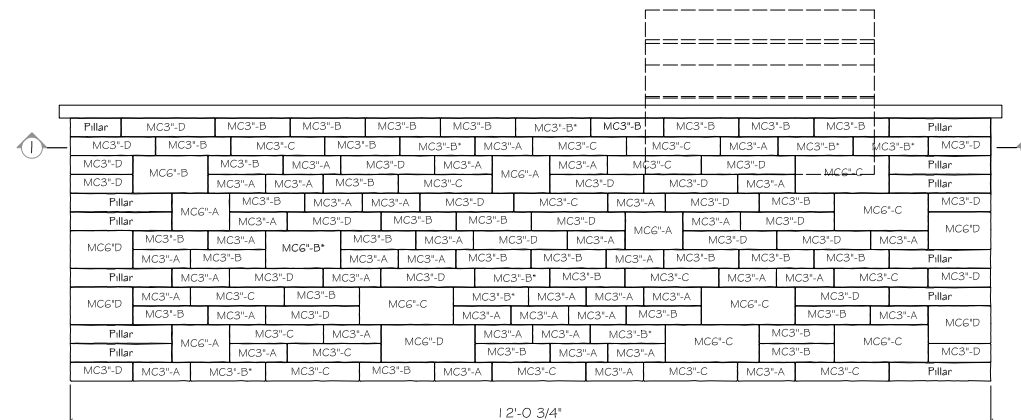
12 ft.	PALLET	UNITS USED	UNITS REMAINING			
Pillar 24" x 3"	1/2 pal.	A 24				
Mini-Creta 3"	2 pal. +6 rows	A 88 B 62 B* 22 C 44 D 44	B 1	B 4		
Mini-Creta 6"	1 pal.	A 11 B 9 B* 2 C 8 D 9	A 9	B 6	B* 3	C 2 D 1



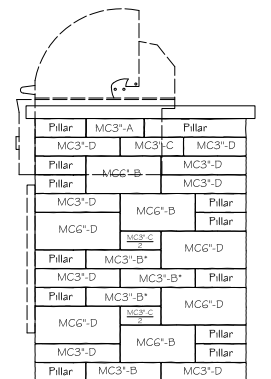
ELEVATION A



ELEVATION B



ELEVATION C



ELEVATION D

Installation guide

Pillars

GENERAL NOTE

For a result that limits joint alignment while adding solidity, it is important to follow the illustrated instructions below. It is also important to adequately glue each row with a concrete adhesive in order to obtain a stable pillar.

If you are planning to install a light on top of the pillar, make sure you run the electrical wires prior to installing the blocks.

If you are planning to build a pillar with a planter, make sure to install a geotextile membrane inside the pillar before filling the cavity with planting soil.

INSTALLATION OUTLINE

01 EXCAVATION

- A. Before excavating, call all the local utility companies (e.g., phone, gas, electrical) to ensure that the area in which you plan to dig is clear of underground cables or wires. If any are found, please notify the appropriate companies before starting the works.
- B. Excavate an area of 40" × 40" (1 m × 1 m) by 8" (200 mm) deep and fill in with 0-3/4" (0-20 mm) crushed stone compacted at 95% of the Proctor.
- C. With the help of a rake, grade the bottom of the excavated area. If the natural soil is granular or sandy, we recommend that you compact the soil with a vibrating plate. If the soil is clay-like, change the soil with a blend of lime and crushed stone prior to compaction. Next, cover it with a layer of geotextile fabric to prevent the contamination of the base (clay and 0-3/4" [0-20 mm] crushed stone).

02 FOUNDATION

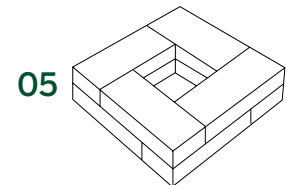
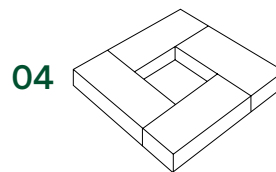
- A. Install the 0-3/4" (0-20 mm) crushed stone base, in 4" (100 mm) lifts with a (minimum 5,000 lbf [22 kN] vibrating plate) compactor.
- B. To facilitate compacting, wet the base material thoroughly and compact with a vibrating plate proceeding in all directions. This process should give you the desired height. At this stage, you can verify the final height with the help of a paver.

03 SETTING BED

- A. On the compacted crushed base, install two pipes with an outside diameter of 1" (25 mm). Grade the concrete sand with the help of a straight edge (or Quick-E leveler). If the base is not properly graded and smooth, imperfections will be evident in the finishing grade of the pavement.
- B. Bedding sand should not be compacted until all paving stones have been laid down. Passing the vibrating plate over the paving stones causes them to settle approximately 3/8" (10 mm) into the bedding sand.

04 STARTER ROW

Place the first four units as illustrated, while making sure that all units are leveled in all directions.



05 SECOND ROW

Proceed with each layer / row as per adjacent illustration.

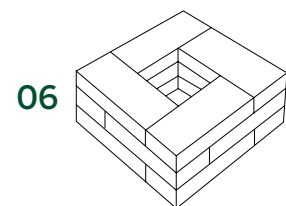
06 THIRD ROW AND SUBSEQUENT ROWS

Repeat procedure from steps 1 and 2 until you reach the desired height.

07 CROWNING

Crown the pillar using Pillar Caps (Stonedge Pillar Cap and York Pillar Caps).

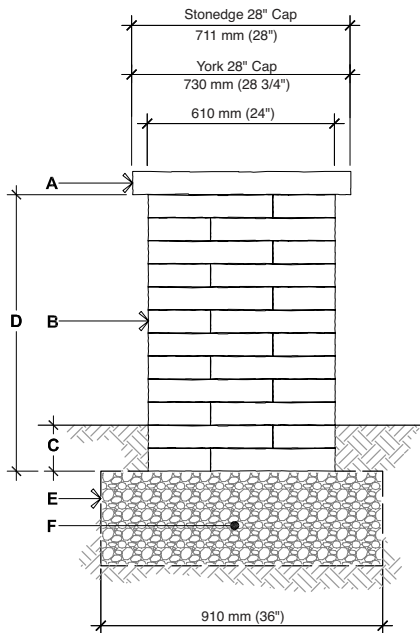
- For the 24" Pillars, use the 28" × 28" caps.
- For the 28" Pillars, use the 32" × 32" caps.



Installation guide

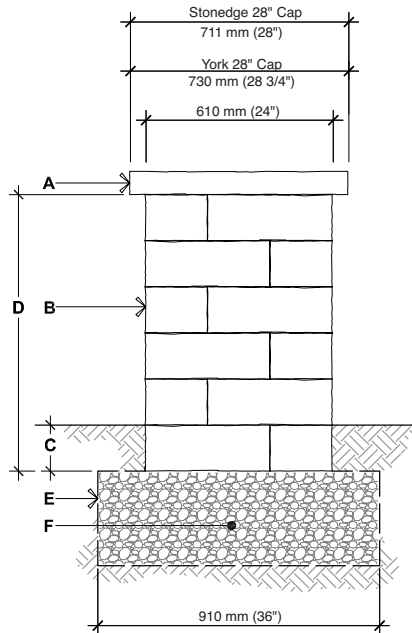
Pillars

Selection



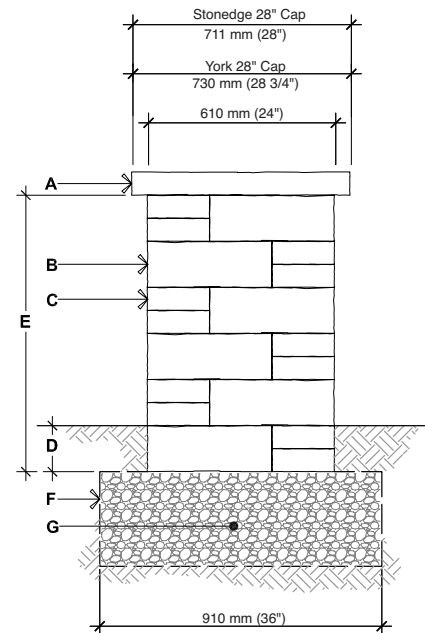
**PILLAR 24" x 3"
MINI-CRETA**

- A. STONEDGE PILLAR CAP 28" OR YORK 28" PILLAR CAP
- B. PILLAR 24"x3" (MINI-CRETA) UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- C. EMBEDMENT 6" (150 mm) MIN.
- D. 35 7/16" (900 mm), HEIGHT PER PALLET 47 1/4" (1200 mm), MAXIMUM HEIGHT
- E. GEOTEXTILE
- F. COMPACTED AGGREGATE BASE 0-3/4" (0-20 mm)



**PILLAR 24" x 6"
MINI-CRETA**

- A. STONEDGE PILLAR CAP 28" OR YORK 28" PILLAR CAP
- B. PILLAR 24"x6" (MINI-CRETA) UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- C. EMBEDMENT 6" (150 mm) MIN.
- D. 35 7/16" (900 mm), HEIGHT PER PALLET 47 1/4" (1200 mm), MAXIMUM HEIGHT
- E. GEOTEXTILE
- F. COMPACTED AGGREGATE BASE 0-3/4" (0-20 mm)

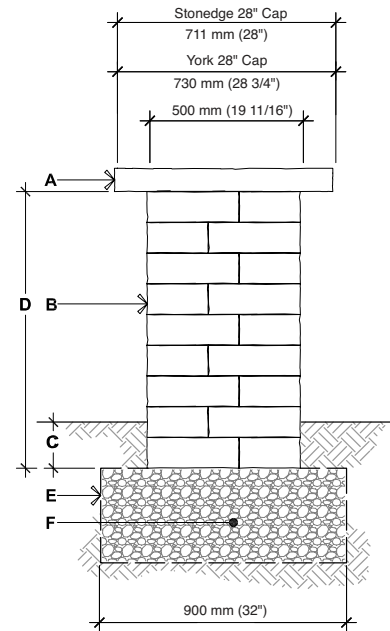
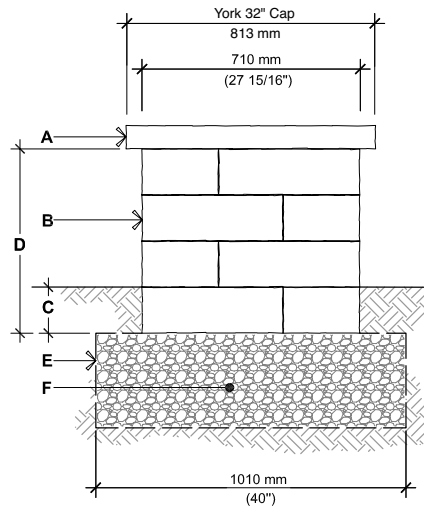
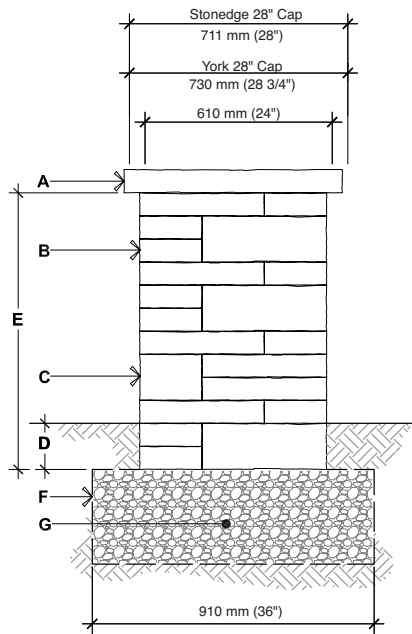


**PILLAR 24" x 3" & 24" x 6"
MINI-CRETA - OPTION A**

- A. STONEDGE PILLAR CAP 28" OR YORK 28" PILLAR CAP
- B. PILLAR 24"x6" (MINI-CRETA) UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- C. PILLAR 24"x3" (MINI-CRETA) UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- D. EMBEDMENT 6" (150 mm) MIN.
- E. 35 7/16" (900 mm) 47 1/4" (1200 mm), MAXIMUM HEIGHT
- F. GEOTEXTILE
- G. COMPACTED AGGREGATE BASE 0-3/4" (0-20 mm)

Installation guide

Pillars



PILLAR 24" x 3" & 24" x 6" MINI-CRETA - OPTION B

- A. STONEDGE PILLAR CAP 28" OR YORK 28" PILLAR CAP
- B. PILLAR 24"x3" (MINI-CRETA) UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- C. PILLAR 24"x6" (MINI-CRETA) UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- D. EMBEDMENT 6" (150 mm) MIN.
- E. 35 7/16" (900 mm) 47 1/4" (1200 mm), MAXIMUM HEIGHT
- F. GEOTEXTILE
- G. COMPACTED AGGREGATE BASE 0-3/4" (0-20 mm)

PILLAR 28" x 6" MINI-CRETA

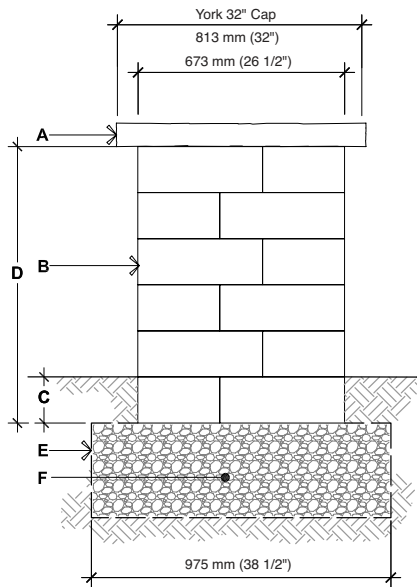
- A. YORK 32" PILLAR CAP
- B. PILLAR 28"x6" (MINI-CRETA) UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- C. EMBEDMENT 6" (150 mm) MIN.
- D. 23 5/8" (600 mm), HEIGHT PER PALLET 47 1/4" (1200 mm), MAXIMUM HEIGHT
- E. GEOTEXTILE
- F. COMPACTED AGGREGATE BASE 0-3/4" (0-20 mm)

MANCHESTER PILLAR

- A. STONEDGE PILLAR CAP 28" OR YORK 28" PILLAR CAP
- B. MANCHESTER UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- C. EMBEDMENT 6" (150 mm) MIN.
- D. 35 7/16" (900 mm), HEIGHT PER PALLET 47 1/4" (1200 mm), MAXIMUM HEIGHT
- E. GEOTEXTILE
- F. COMPACTED AGGREGATE BASE 0-3/4" (0-20 mm)

Installation guide

Pillars



SEMMA PILLAR

- A. YORK 32" PILLAR CAP
- B. SEMMA PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- C. EMBEDMENT 6" (150 mm) MIN.
- D. 35 ⁷/₁₆" (900 mm), HEIGHT PER PALLET
47 ¹/₄" (1200 mm), MAXIMUM HEIGHT
- E. GEOTEXTILE
- F. COMPACTED AGGREGATE BASE 0-³/₄" (0-20 mm)



TECHNICAL GUIDELINES

Wall Design Charts - Preliminary design assistance

Wall Design Charts USA

SUMMARY OF CHARACTERISTICS | Wall without geogrid

Type of wall		Maximum Height ❶ (including embedment)			Wall inclination degrees	Setback		Minimum wall radius ❸	
		Number of rows	Meters	Ft.		mm	Inches	Meters	Ft.
Escala ❷	inclined	10	0.90	2.95	4	7	9/32	2.25	7.5
	vertical	8	0.72	2.36	0	0	0	2.25	7.5
Manchester	vertical	5	0.50	1.64	0	0	0	0	0
Mini-Creta 3" ❷	inclined	12	0.90	2.95	5	7	9/32	2.1	7
	vertical	10	0.75	2.46	0	0	0	2.1	0
Mini-Creta 6" ❷	inclined	6	0.90	2.95	5	14	9/16	2.1	7
	vertical	5	0.75	2.46	0	0	0	2.1	7
Muro Naturale 6"	inclined	4	0.61	2.00	0	0	0	0	0
Quarry Stone 100 mm ❷	inclined	8	0.80	2.62	4	7	9/32	1.8	6
	vertical	6	0.60	1.97	0	0	0	1.8	6
Quarry Stone 200 mm ❷	inclined	4	0.80	2.62	4	14	9/16	1.8	6
	vertical	3	0.60	1.97	0	0	0	1.8	6
Semma ❷	inclined	7	1.07	3.50	7.6	20	25/32	2.1	7
	vertical	5	0.76	2.49	0	0	0	2.1	7
Suprema ❷	inclined	5	1.02	3.35	4.5	16	5/8	1.8	6
	vertical	4	0.81	2.66	0	0	0	1.8	6
Monumental (regular unit) ❷		Available at www.techo-bloc.com/monumental			11	76	3	5.2	17

❶ The maximum wall height recommended in this table is based on the following conditions:

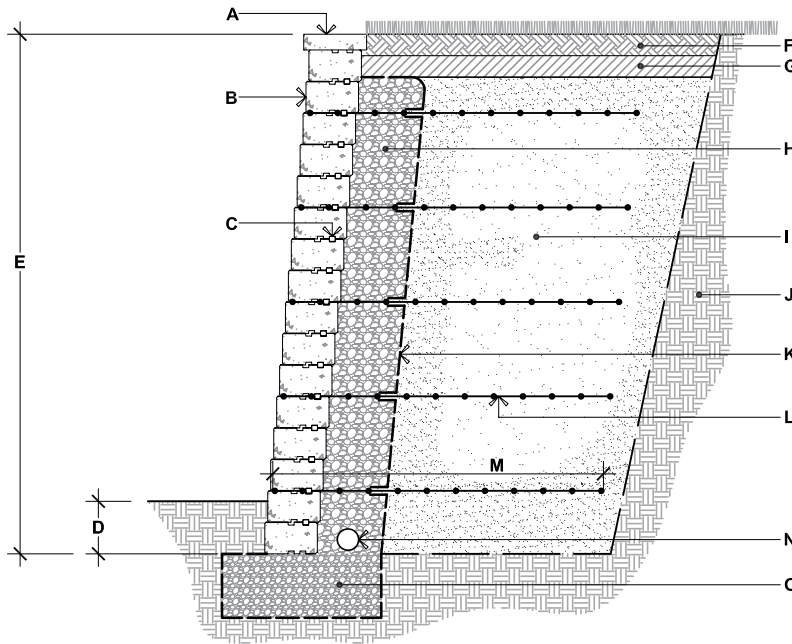
- The retained soil type considered is gravel with an internal friction angle of at least 36°.
- There is no surcharge load applied on top of the wall.
- There is no slope on top of the wall.
- An adequate drainage system is provided at the back of the wall.

❷ These products can be used with geogrid reinforcement to build higher walls or walls subject to different conditions than those mentioned.

Contact your Techo-Bloc representative for more details or fill out our Preliminary Design Assistance form (see page 195).

❸ Minimum wall radius is measured at the front face of the wall. It corresponds to the lowest course in an internal curve and to the uppermost course in an external curve (see pages 126 and 127).

Wall Design Charts USA



- A. CAP UNIT FROM TECO-BLOC
- B. TECO-BLOC WALL UNIT
- C. CONNECTOR
- D. EMBEDMENT DEPTH LARGEST: 6" (150 mm) OR 10% OF THE HEIGHT ABOVE GROUND MIN.
- E. TOTAL HEIGHT (VARIABLE)
- F. TOPSOIL
- G. LOW PERMEABILITY SOIL
- H. CLEAN STONE $\frac{3}{4}$ " (20 mm) PLACED 12" (300 mm) MIN. WIDE BEHIND WALL
- I. REINFORCED SOIL COMPACTED
- J. RETAINED SOIL
- K. GEOTEXTILE
- L. GEOGRID
- M. GEOGRID LENGTH
- N. PERFORATED DRAIN 4" (100 mm) Dia.
- O. LEVELING PAD CRUSHED STONE $0\text{-}\frac{3}{4}$ " (0-20 mm) COMPACTED

WALL INSTALLATION - GEOGRID REINFORCED WALL

Typical cross section

The information contained in the design charts is supplied for information purposes only and as such should only be used for preliminary designs. A qualified engineer should be consulted for the final design to be used for construction. TECO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in the design charts.

The design charts show the number, position and length of the geogrids for a Techo-Bloc inclined wall based on the height of the wall, soil type and the load conditions. Furthermore, geogrid may be required for walls with a height lower than the minimum stated. The geogrid layout has been optimized to satisfy the minimum design requirements of the "Design Manual for Segmental Retaining Walls, 3rd Edition" from the National Concrete Masonry Association.

The height (H) of the wall is the total height from the leveling pad to the top of the wall, including the coping stones of 75 mm (2.95 in) thick. The wall height varies approximately from 1.97 ft. (0.6 m) to 8.20 ft. (2.5 m), gradually increasing in height increments of 1.31-1.97 ft. (0.4-0.6 m). **THE THREE TYPES OF SOIL ASSUMED IN THE REINFORCED SOIL ZONE ARE :**

- (i) Mixes of sand and gravel (minimum friction angle of 34°);
- (ii) Sands (minimum friction angle of 30°);
- (iii) Low plasticity silts and clays (minimum friction angle of 26°).

The description of the soil is provided for information purposes; it is the actual shear strength parameter that will govern the design. **THE THREE LOAD CONDITIONS ASSUMED ARE:**

- (i) a horizontal surface above the wall with no surcharge;
- (ii) a horizontal surface above the wall with a uniform surcharge of 250 psf (12 kPa) or 100 psf (4.8 kPa);
- (ii) a 1V:3H slope above the wall.

The ---XXX symbol shows the position and length of the geogrid taken from the front of the block. The foundation soil must be able to support the wall-reinforced backfill system. A geotechnical study to ascertain the bearing capacity of the soil must be carried out. The leveling pad is made of $0\text{-}\frac{3}{4}$ in (0-20 mm) crushed stone. A concrete pad can be used. Compaction must be carried out in successive layers of a maximum of 8" (200 mm) in thickness and in accordance with project specifications.

The minimum burial depth must be 6 in (150 mm) or 10% of the above ground wall height, whichever is greater.

Wall Design Charts USA

THE DESIGN CHARTS WERE DEVELOPED BASED ON THE FOLLOWING CONDITIONS:

- Geogrid layout determined as per requirements of “*NCMA Design Manual for Segmental Retaining Walls, 3rd Edition*”.
- The geogrid to use must be Miragrid® 3XT by Tencate Mirafi.
- Soil parameters: reinforced soil (ϕ = see above, γ = 120 pcf); retained soil (ϕ = 26°, γ = 120 pcf); foundation soil (ϕ = 26°, γ = 120 pcf).
- The bearing capacity of the foundation soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
- The hydrostatic pressure is not considered. The wall must be provided with an adequate drainage system.
- 250 psf (12 kPa) surcharge equivalent to tractor trailer and heavy truck loadings.
- 100 psf (4.8 kPa) surcharge equivalent to car and light truck traffic.
- The design charts do not apply to tiered walls.

For further information, please contact our technical service department.

Email: WALLS@TECHO-BLOC.COM Web site: WWW.TECHO-BLOC.COM

Wall Design Charts USA

Mini-Creta 6"

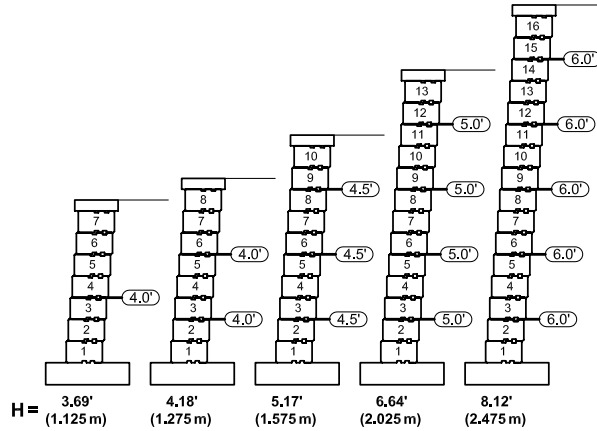
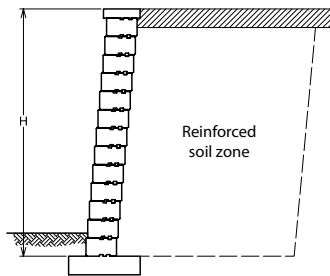
EQUIVALENT TO TWICE THE MINI-CRETA 3"

The information contained in this publication is provided for information purposes only. TECHO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in the design charts. **This chart should be read in conjunction with the notes on pages 166 and 167.**

REINFORCED SOIL TYPE: SAND / GRAVEL ($\phi = 34^\circ$, $\gamma = 120$ PCF)

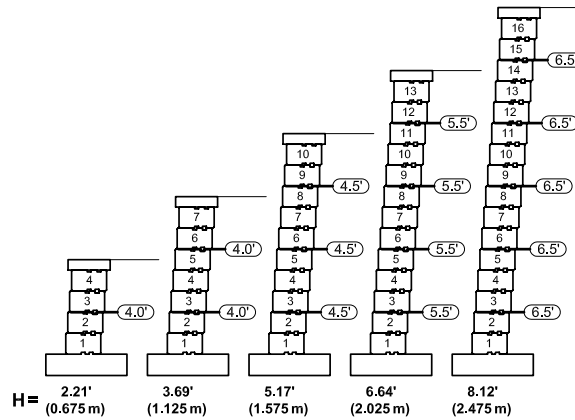
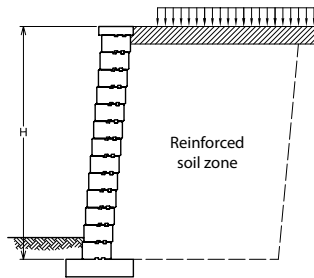
CASE 1

Inclined wall (5°)
No surcharge



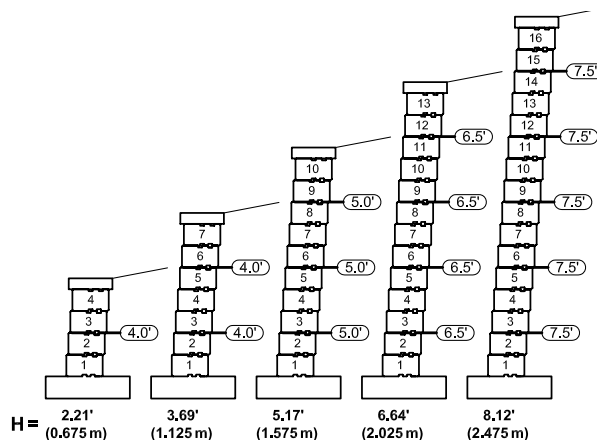
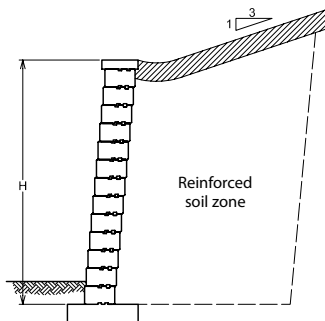
CASE 2

Inclined wall (5°)
250 psf surcharge (12 kPa)



CASE 3

Inclined wall (5°)
Slope 1V:3H



Wall Design Charts USA

Mini-Creta 6"

EQUIVALENT TO TWICE THE MINI-CRETA 3"

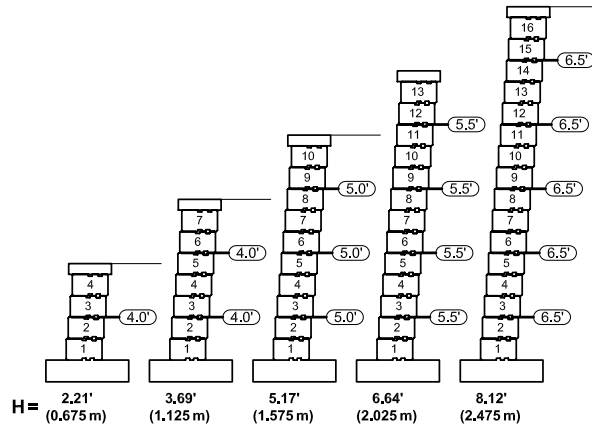
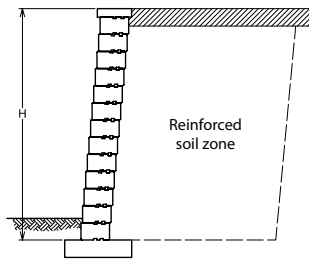
The information contained in this publication is provided for information purposes only. TECHO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in the design charts. **This chart should be read in conjunction with the notes on pages 166 and 167.**

REINFORCED SOIL TYPE: SAND ($\phi = 30^\circ$, $\gamma = 120$ PCF)

CASE 1

Inclined wall (5°)

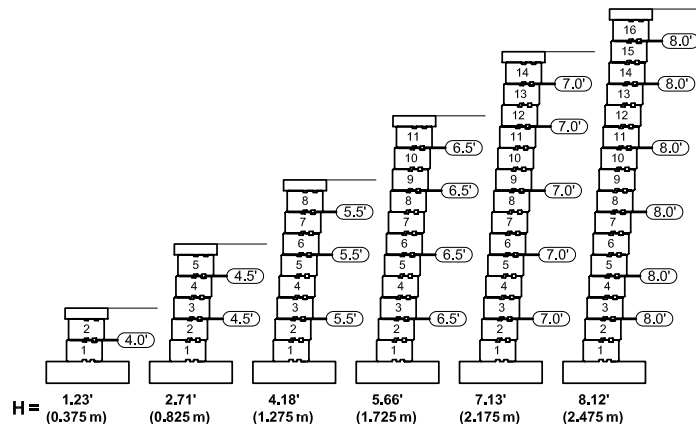
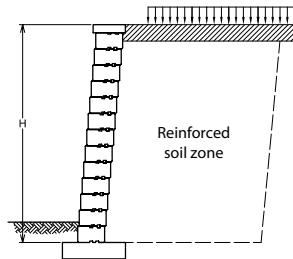
No surcharge



CASE 2

Inclined wall (5°)

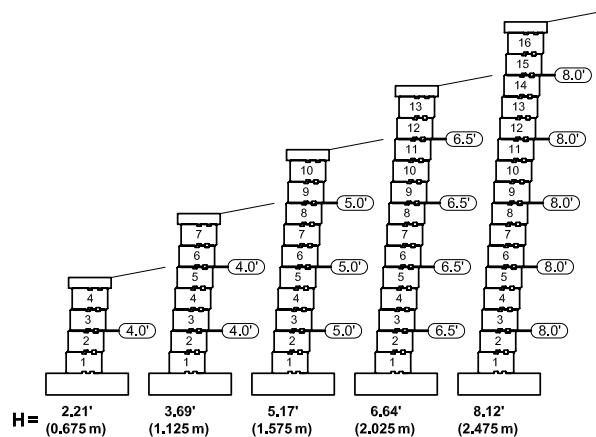
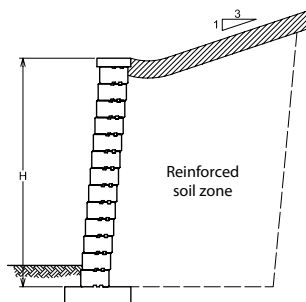
250 psf surcharge (12 kPa)



CASE 3

Inclined wall (5°)

Slope 1V:3H



Wall Design Charts USA

Mini-Creta 6"

EQUIVALENT TO TWICE THE MINI-CRETA 3"

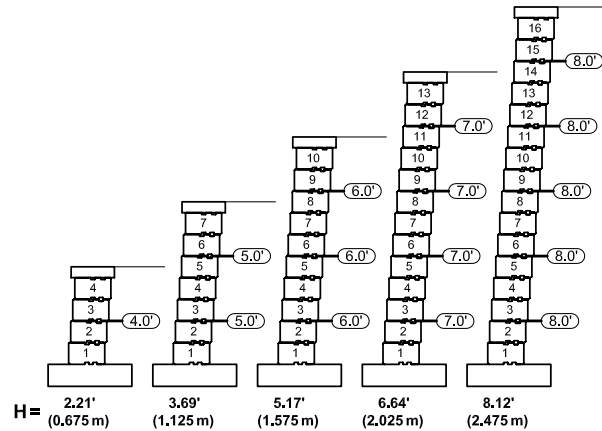
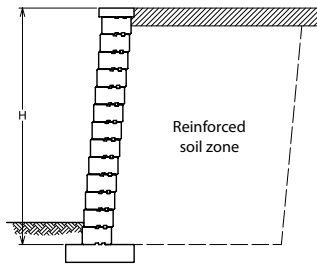
The information contained in this publication is provided for information purposes only. TECHO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in the design charts. **This chart should be read in conjunction with the notes on pages 166 and 167.**

REINFORCED SOIL TYPE: SILT / LEAN CLAY ($\phi = 26^\circ$, $\gamma = 120$ PCF)

CASE 1

Inclined wall (5°)

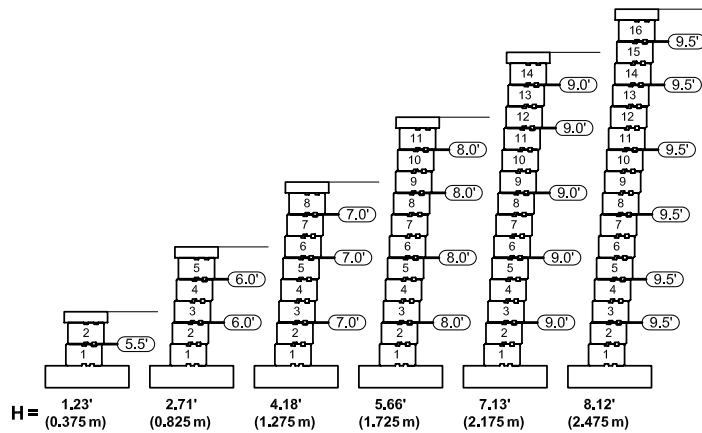
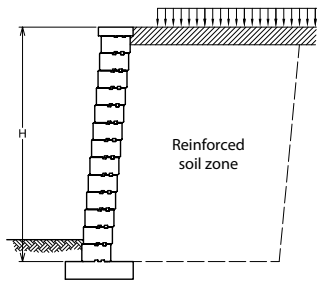
No surcharge



CASE 2

Inclined wall (5°)

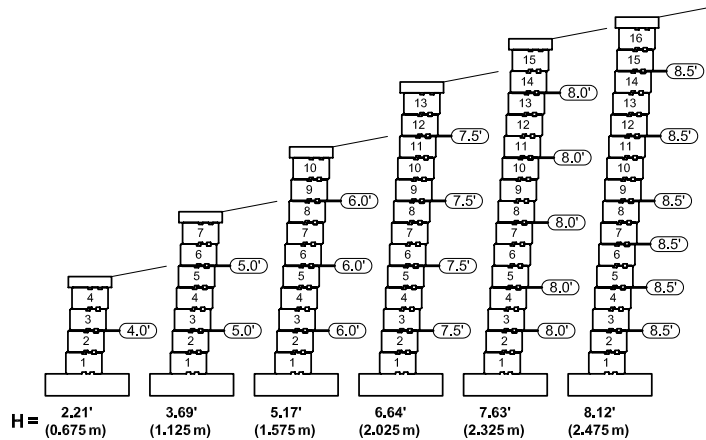
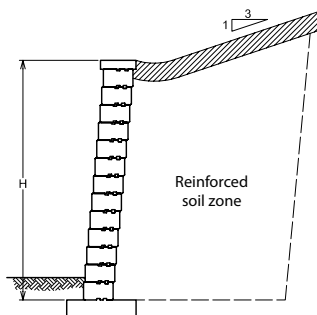
250 psf surcharge (12 kPa)



CASE 3

Inclined wall (5°)

Slope 1V:3H



Wall Design Charts USA

Quarry Stone 200 mm

EQUIVALENT TO TWICE THE QUARRY STONE 100 mm

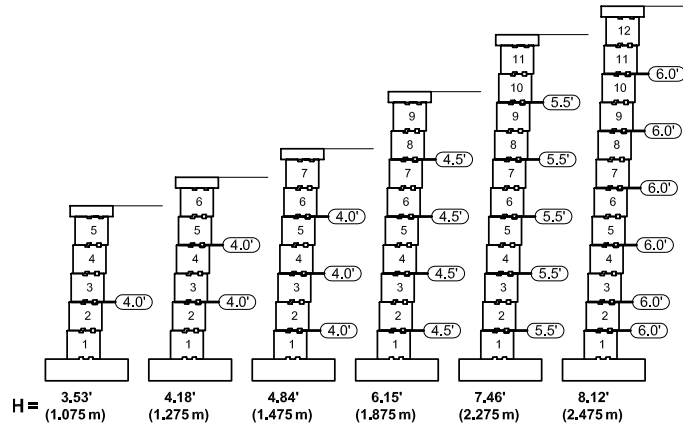
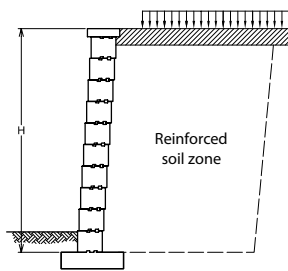
The information contained in this publication is provided for information purposes only. TECHO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in the design charts. **This chart should be read in conjunction with the notes on pages 166 and 167.**

REINFORCED SOIL TYPE: SAND / GRAVEL ($\phi = 34^\circ$, $\gamma = 120$ PCF)

CASE 1

Inclined wall (4°)

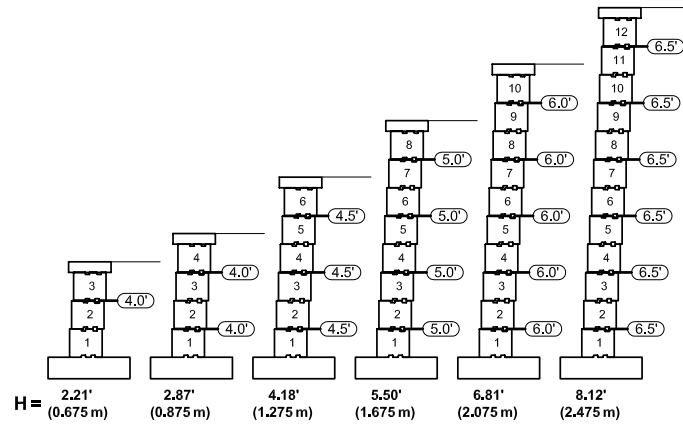
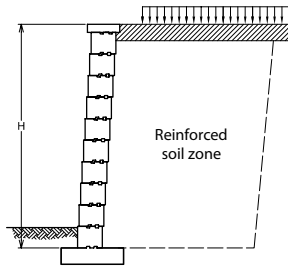
No surcharge



CASE 2

Inclined wall (4°)

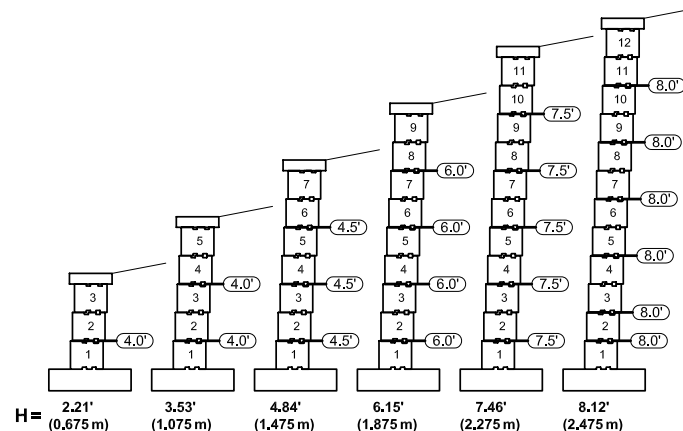
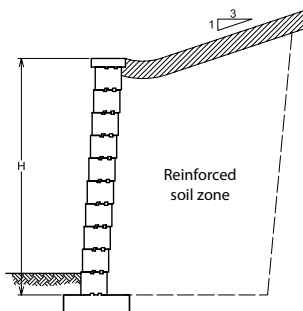
250 psf surcharge (12 kPa)



CASE 3

Inclined wall (4°)

Slope 1V:3H



Wall Design Charts USA

Quarry Stone 200 mm

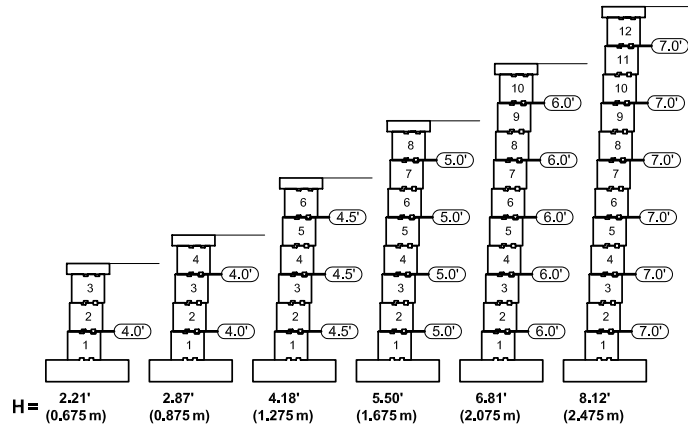
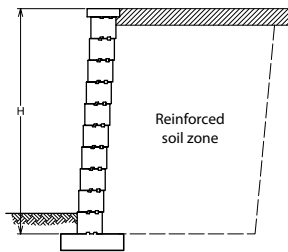
EQUIVALENT TO TWICE THE QUARRY STONE 100 mm

The information contained in this publication is provided for information purposes only. TECHO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in the design charts. **This chart should be read in conjunction with the notes on pages 166 and 167.**

REINFORCED SOIL TYPE: SAND ($\phi = 30^\circ$, $\gamma = 120$ PCF)

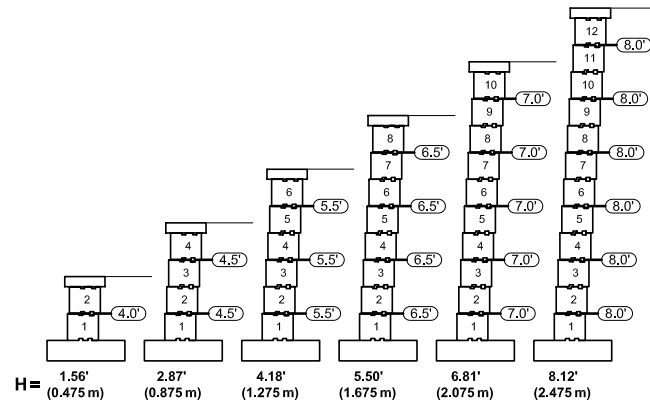
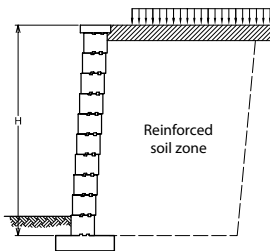
CASE 1

Inclined wall (4°)
No surcharge



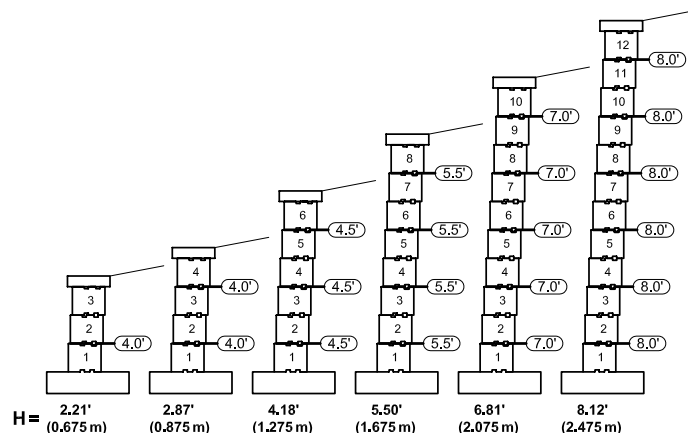
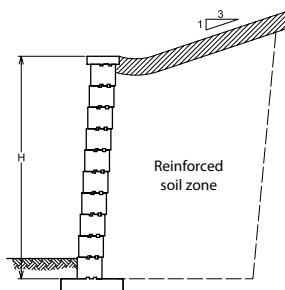
CASE 2

Inclined wall (4°)
250 psf surcharge (12 kPa)



CASE 3

Inclined wall (4°)
Slope 1V:3H



Wall Design Charts USA

Quarry Stone 200 mm

EQUIVALENT TO TWICE THE QUARRY STONE 100 mm

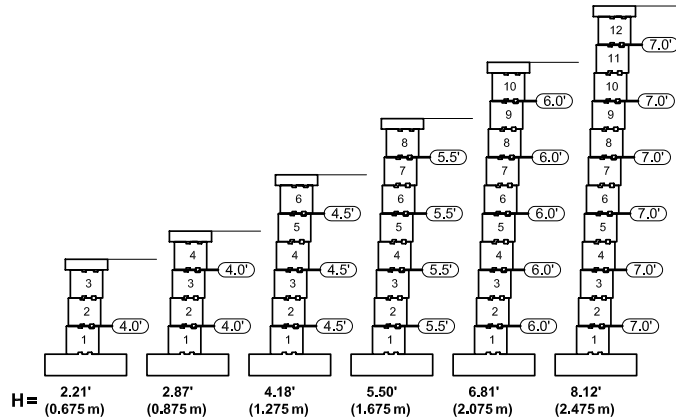
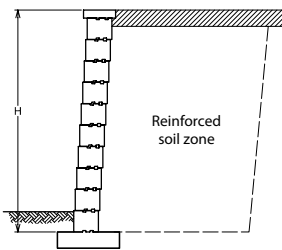
The information contained in this publication is provided for information purposes only. TECHO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in the design charts. **This chart should be read in conjunction with the notes on pages 166 and 167.**

REINFORCED SOIL TYPE: SILT / LEAN CLAY ($\phi = 26^\circ$, $\gamma = 120$ PCF)

CASE 1

Inclined wall (4°)

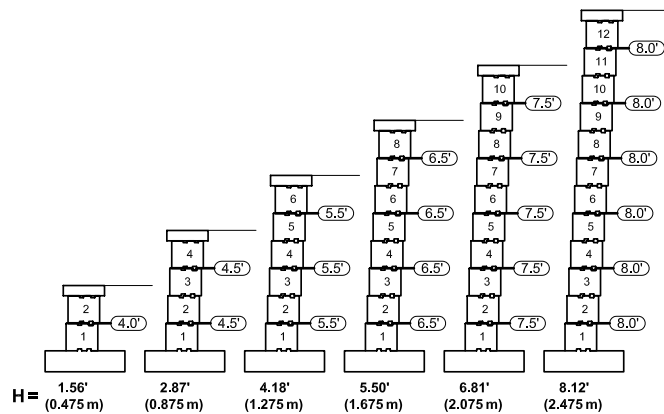
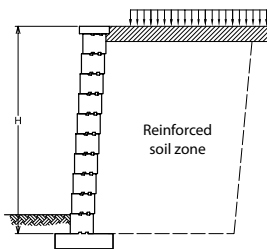
No surcharge



CASE 2

Inclined wall (4°)

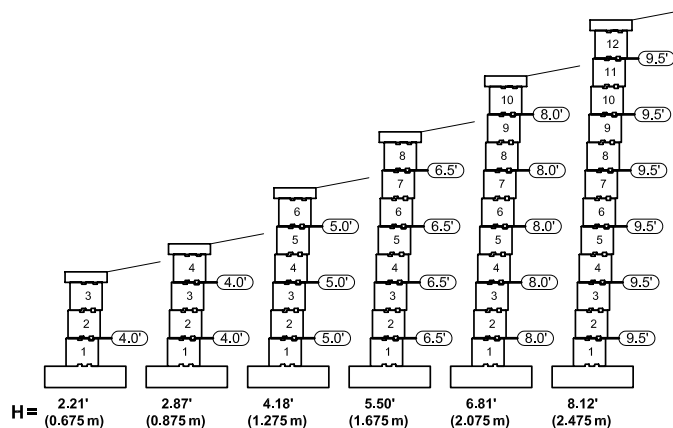
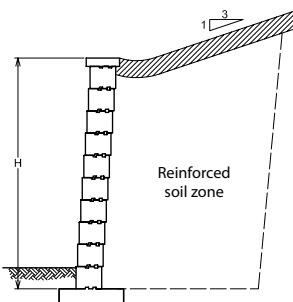
100 psf surcharge (4.8 kPa)



CASE 3

Inclined wall (4°)

Slope 1V:3H



Wall Design Charts USA

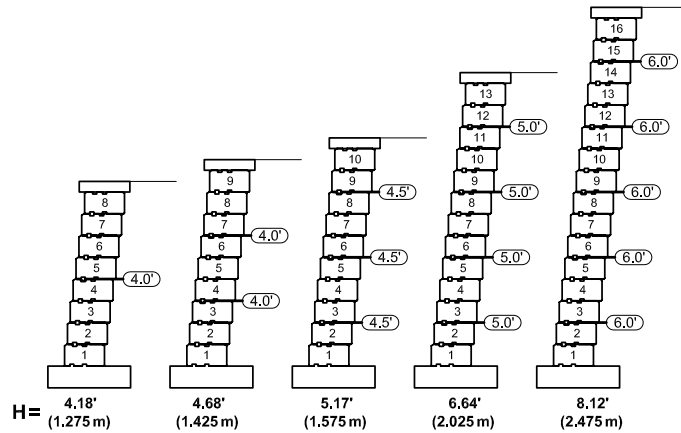
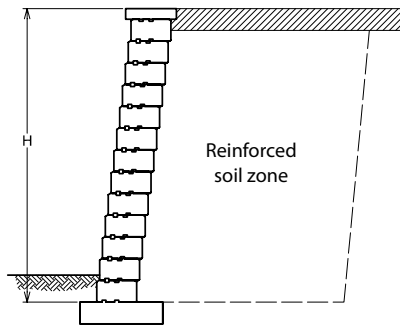
Semma

The information contained in this publication is provided for information purposes only. TECHO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in the design charts. **This chart should be read in conjunction with the notes on pages 166 and 167.**

REINFORCED SOIL TYPE: SAND / GRAVEL ($\phi = 34^\circ$, $\gamma = 120$ PCF)

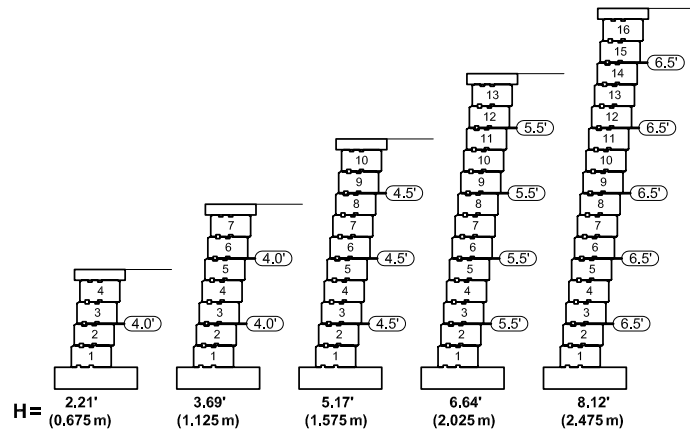
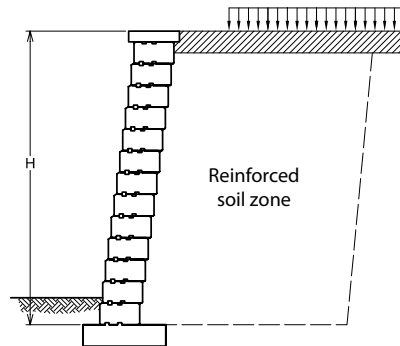
CASE 1

Inclined wall (7.6°)
No surcharge



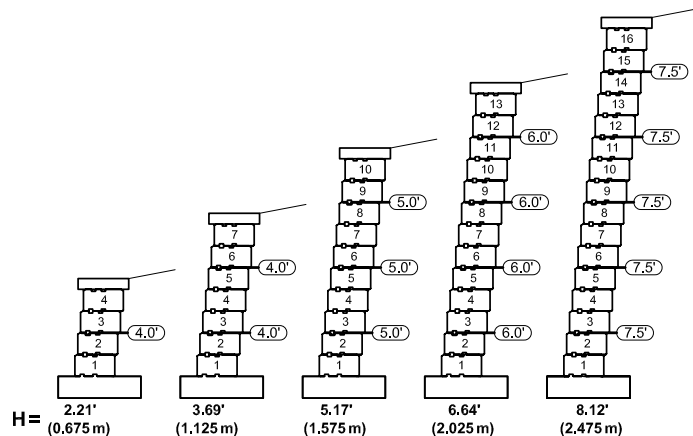
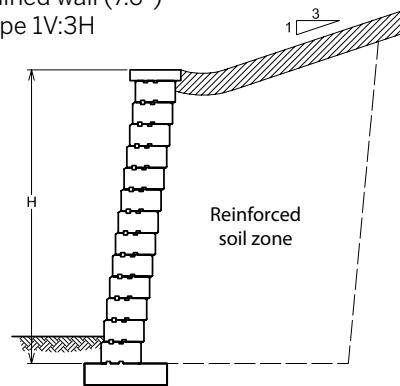
CASE 2

Inclined wall (7.6°)
250 psf surcharge (12 kPa)



CASE 3

Inclined wall (7.6°)
Slope 1V:3H



Wall Design Charts USA

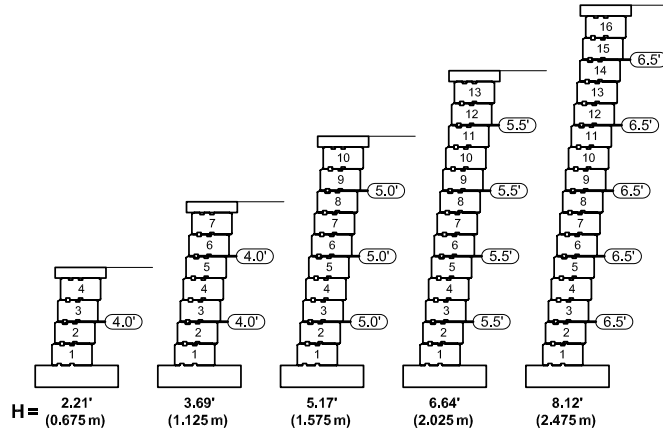
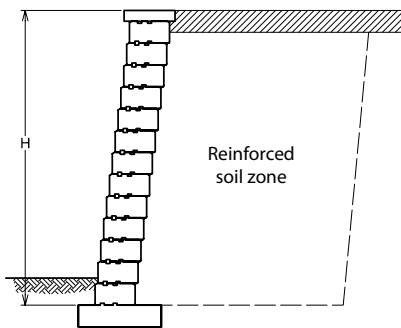
Semma

The information contained in this publication is provided for information purposes only. TECHO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in the design charts. **This chart should be read in conjunction with the notes on pages 166 and 167.**

REINFORCED SOIL TYPE: SAND ($\phi = 30^\circ$, $\gamma = 120$ PCF)

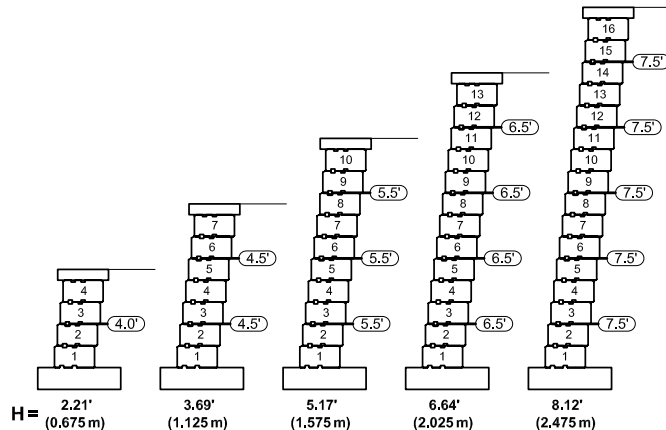
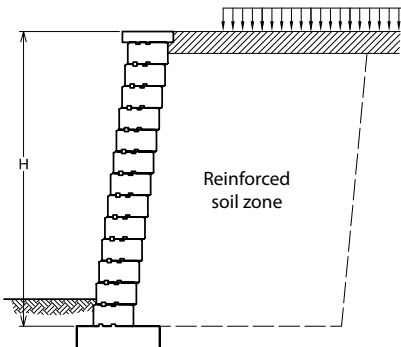
CASE 1

Inclined wall (7.6°)
No surcharge



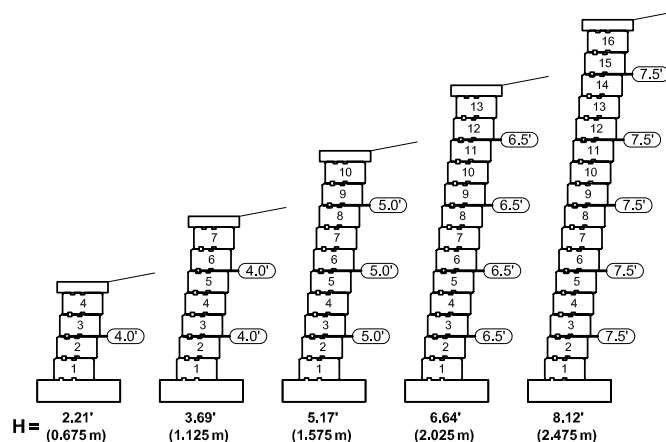
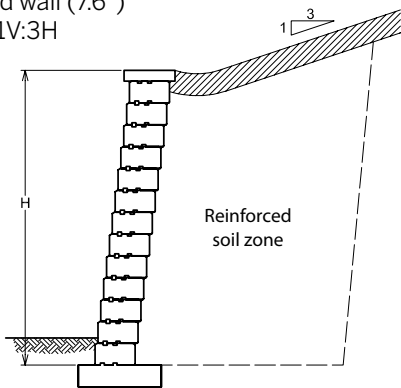
CASE 2

Inclined wall (7.6°)
250 psf surcharge (12 kPa)



CASE 3

Inclined wall (7.6°)
Slope 1V:3H



Wall Design Charts USA

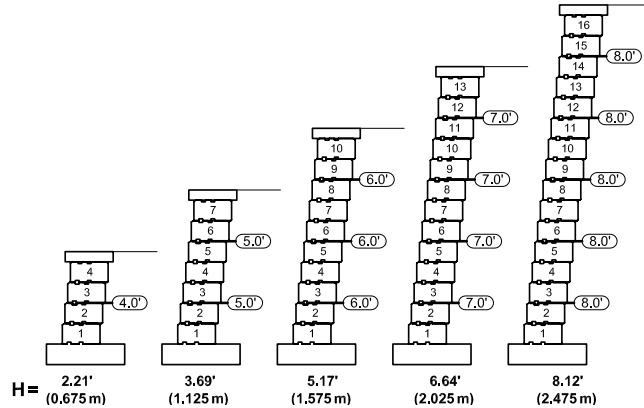
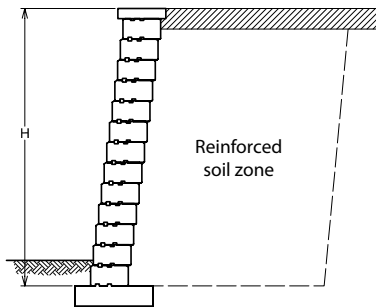
Semma

The information contained in this publication is provided for information purposes only. TECHO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in the design charts. **This chart should be read in conjunction with the notes on pages 166 and 167.**

REINFORCED SOIL TYPE: SILT / LEAN CLAY ($\phi = 26^\circ$, $\gamma = 120$ PCF)

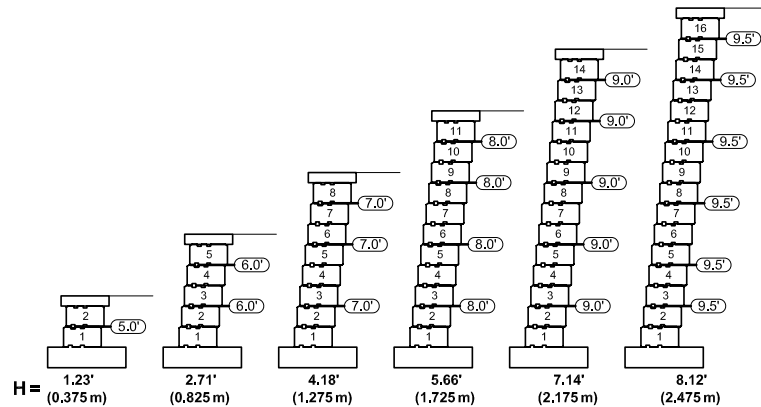
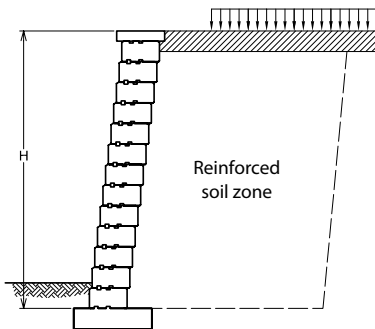
CASE 1

Inclined wall (7.6°)
No surcharge



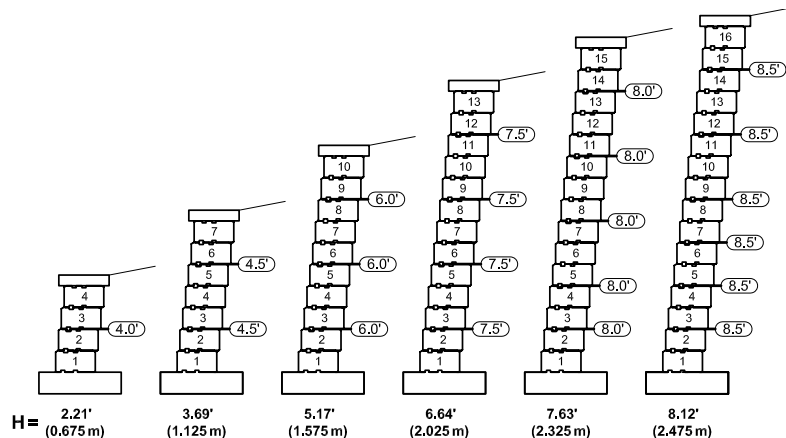
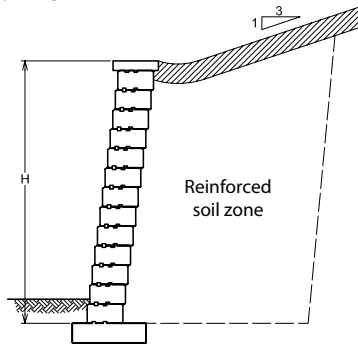
CASE 2

Inclined wall (7.6°)
250 psf surcharge (12 kPa)



CASE 3

Inclined wall (7.6°)
Slope 1V:3H



Wall Design Charts USA

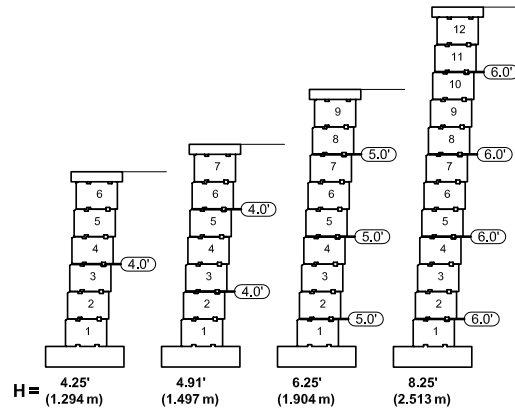
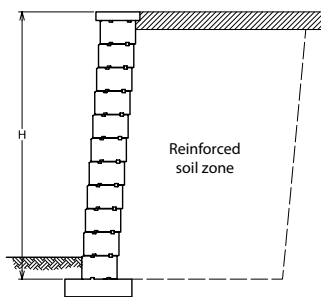
Suprema

The information contained in this publication is provided for information purposes only. TECHO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in the design charts. **This chart should be read in conjunction with the notes on pages 166 and 167.**

REINFORCED SOIL TYPE: SAND/GRAVEL ($\phi = 34^\circ$, $\gamma = 120$ PCF)

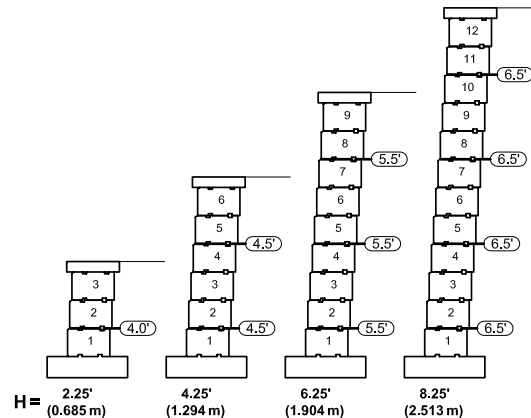
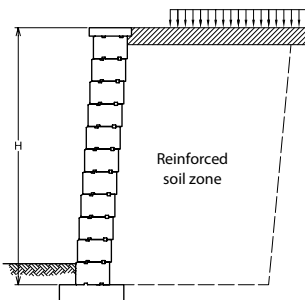
CASE 1

Inclined wall (4.5°)
No surcharge



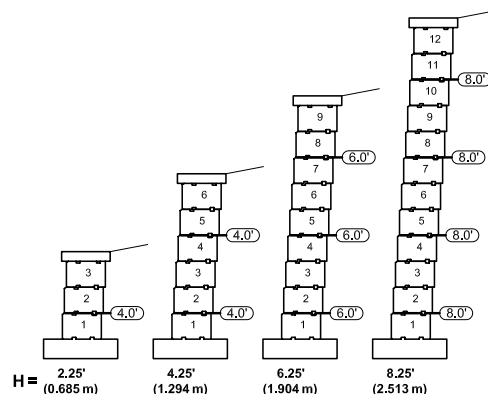
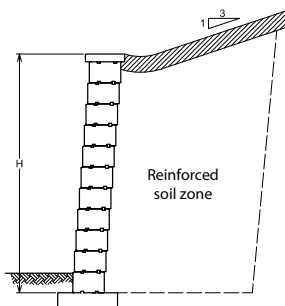
CASE 2

Inclined wall (4.5°)
250 psf surcharge (12 kPa)



CASE 3

Inclined wall (4.5°)
Slope 1V:3H



Wall Design Charts USA

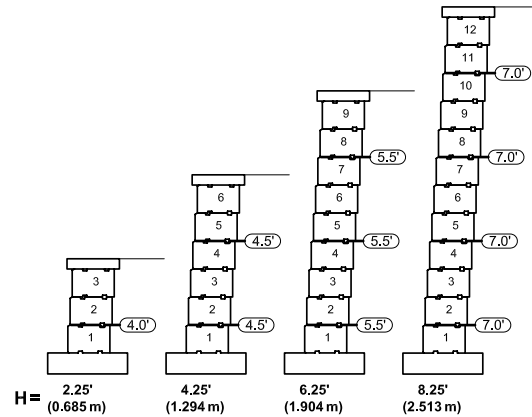
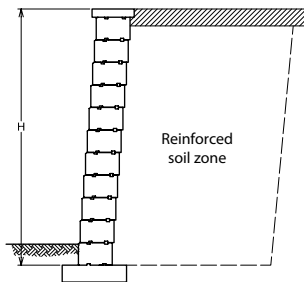
Suprema

The information contained in this publication is provided for information purposes only. TECHO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in the design charts. **This chart should be read in conjunction with the notes on pages 166 and 167.**

REINFORCED SOIL TYPE: SAND ($\phi = 30^\circ$, $\gamma = 120$ PCF)

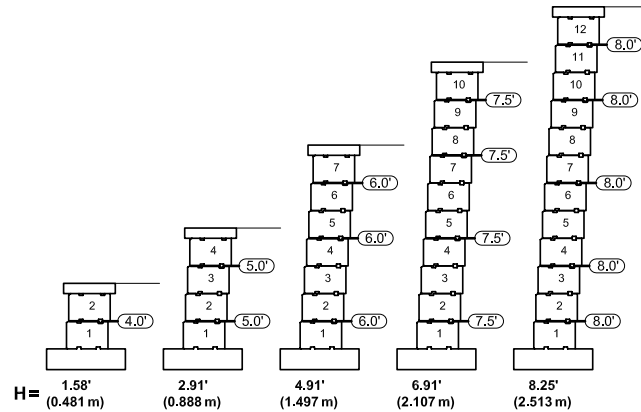
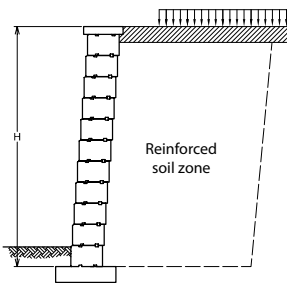
CASE 1

Inclined wall (4.5°)
No surcharge



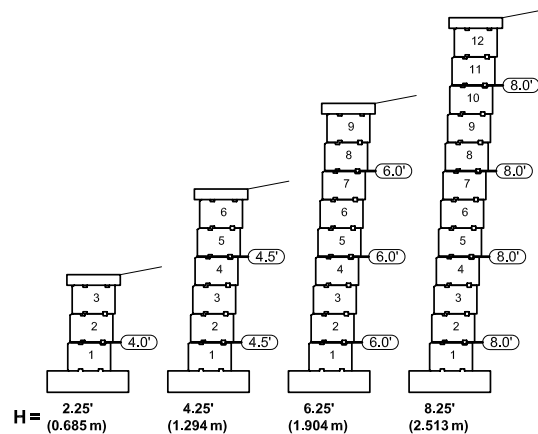
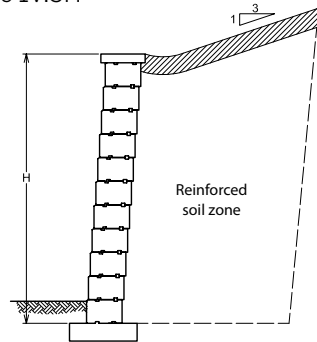
CASE 2

Inclined wall (4.5°)
250 psf surcharge (12 kPa)



CASE 3

Inclined wall (4.5°)
Slope 1V:3H



Wall Design Charts USA

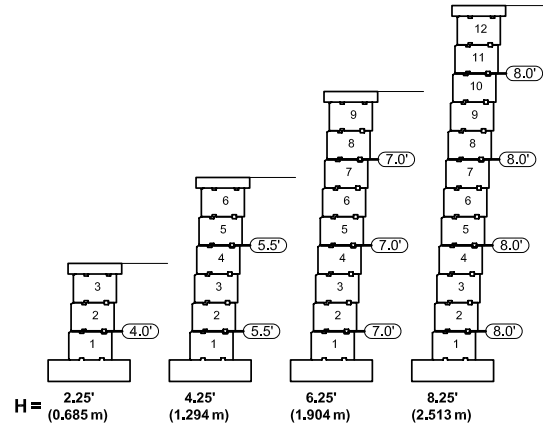
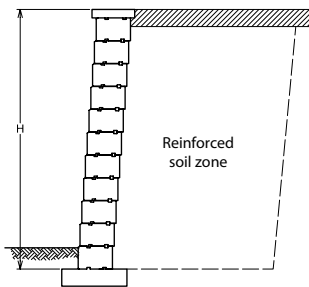
Suprema

The information contained in this publication is provided for information purposes only. TECHO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in the design charts. **This chart should be read in conjunction with the notes on pages 166 and 167.**

REINFORCED SOIL TYPE: SILT / LEAN CLAY ($\phi = 26^\circ$, $\gamma = 120$ PCF)

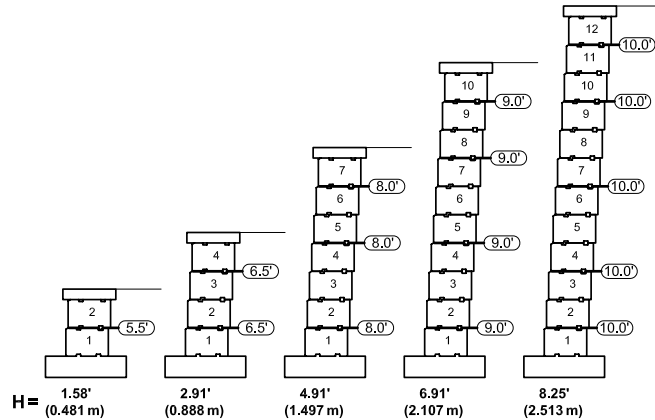
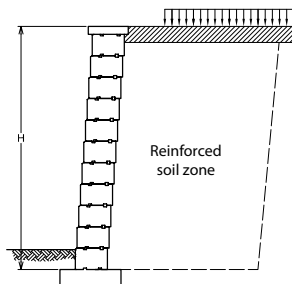
CASE 1

Inclined wall (4.5°)
No surcharge



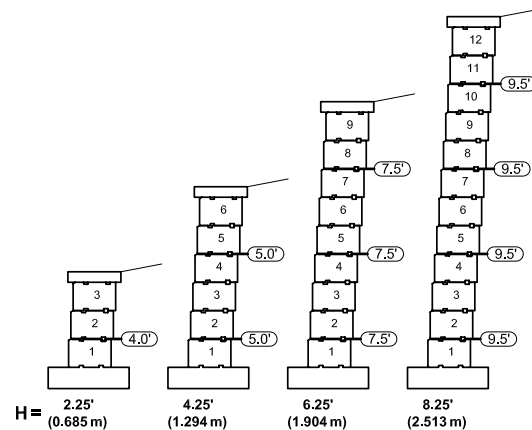
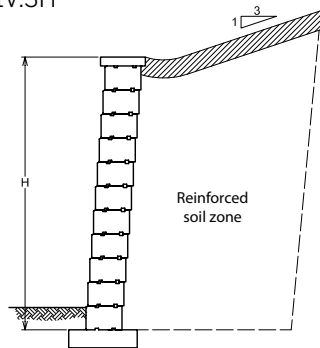
CASE 2

Inclined wall (4.5°)
250 psf surcharge (12 kPa)



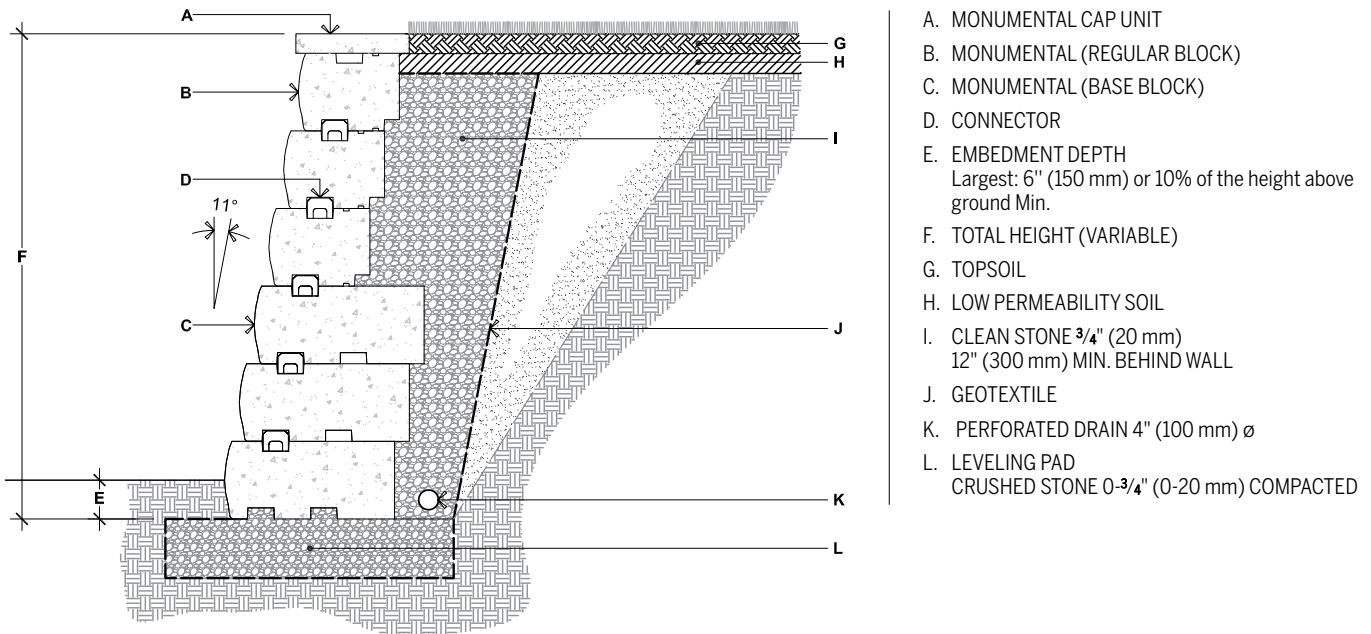
CASE 3

Inclined wall (4.5°)
Slope 1V:3H



Wall Design Charts USA

Monumental



- A. MONUMENTAL CAP UNIT
- B. MONUMENTAL (REGULAR BLOCK)
- C. MONUMENTAL (BASE BLOCK)
- D. CONNECTOR
- E. EMBEDMENT DEPTH
Largest: 6" (150 mm) or 10% of the height above ground Min.
- F. TOTAL HEIGHT (VARIABLE)
- G. TOPSOIL
- H. LOW PERMEABILITY SOIL
- I. CLEAN STONE $\frac{3}{4}$ " (20 mm)
12" (300 mm) MIN. BEHIND WALL
- J. GEOTEXTILE
- K. PERFORATED DRAIN 4" (100 mm) ϕ
- L. LEVELING PAD
CRUSHED STONE 0- $\frac{3}{4}$ " (0-20 mm) COMPACTED

The information contained in the design charts is supplied for information purposes only and as such should only be used for preliminary designs. A qualified engineer should be consulted for the final design to be used for construction. **TECHO-BLOC** and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in design charts.

The design charts are graphically presented to show different configurations of Monumental gravity-wall (geogrid is not required) at the setback position (3" (76 mm) setback per block course) and near vertical position ($\frac{3}{8}$ " (10 mm) setback per block course). Monumental walls can be made of uniform depth block units (either regular or base units). However, in some cases, for economics and speed of construction, regular and base block units are combined. The design charts on the following pages cover the scenarios of walls with uniform and combined depth block units. Each configuration was optimized to meet the minimum design requirements as prescribed in the NCMA Design Manual for Segmental Retaining Walls, 3rd Edition.

The height (H) of the wall is the total height from the leveling pad to the top of the wall including the Monumental cap unit of 3.94" (100 mm) thick. The wall height ranges from 1.64' (0.5 m) to 10.83' (3.3 m), increasing in height incrementally by 1.31' (0.4 m).

THE THREE TYPES OF RETAINED SOIL ASSUMED ARE:

- (i) sand and gravel mixes (friction angle of 36° min.);
- (ii) sands (friction angle of 30° min.);
- (iii) low plastic silts and clays (friction angle of 28° min.).

The soil descriptions are provided only as a general guide and it is the actual shear strength parameter that will govern the design. The assumed moist unit weight of soils is 125 pcf (19.6 kN/m³).

Wall Design Charts USA

Monumental

THE FOUR LOAD CONDITIONS ASSUMED ARE:

- (i) a horizontal surface above the wall with no surcharge;
- (ii) a horizontal surface above the wall with a uniform surcharge of 100 psf (4.8 kPa);
- (iii) a horizontal surface above the wall with a uniform surcharge of 250 psf (12 kPa);
- (iv) a 1V:3H slope above the wall.

The foundation soil must be able to support the wall. A geotechnical study to ascertain the bearing capacity of the soil must be carried out.

The leveling pad is made of crushed stone 0-³/₄" (0-20 mm). A concrete leveling pad can also be used.

Compaction must be carried out in successive layers of a maximum of 8" (200 mm) in thickness and in accordance with project specifications.

The minimum burial depth must be 6" (150 mm) or 10% of the above ground wall height, whichever is greater.

For further information, please contact our technical service department.

E-mail

WALLS@TECHO-BLOC.COM

Web site

WWW.TECHO-BLOC.COM/MONUMENTAL

Wall Design Charts USA

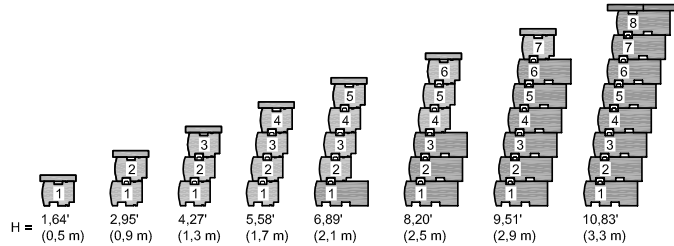
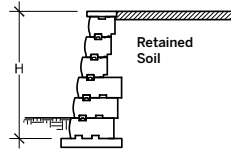
Monumental

The information contained in the design charts is supplied for information purposes only. TECHO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in design charts. **This chart should be read in conjunction with the notes on pages 180 and 181.**

Retained soil: Sand and gravel mixes ($\phi = 36^\circ$, $\gamma = 125$ pcf [19.6 kN/m³])

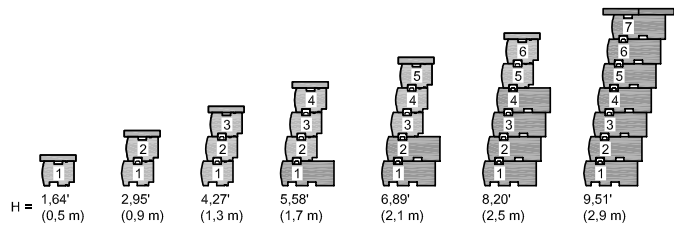
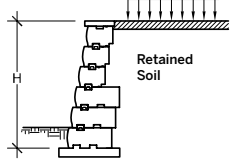
CASE N° 1

Inclined wall (10.8°)
Surcharge: None



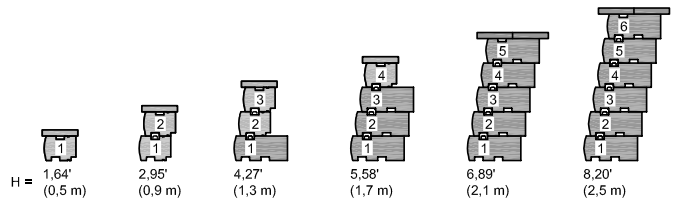
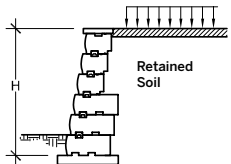
CASE N° 2

Inclined wall (10.8°)
Surcharge: 100 psf (4.8 kPa)



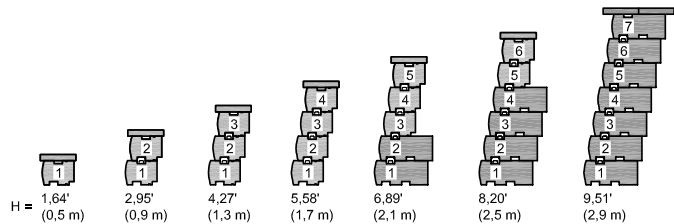
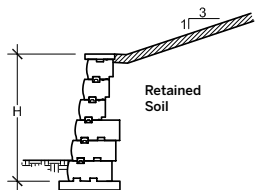
CASE N° 3

Inclined wall (10.8°)
Surcharge: 250 psf (12 kPa)



CASE N° 4

Inclined wall (10.8°)
Slope: 1V:3H



THE DESIGN CHARTS WERE DEVELOPED BASED ON THE FOLLOWING CONDITIONS:

- Design as per requirements of *NCMA Design Manual for Segmental Retaining Walls, 3rd Edition*.
- Soil parameters: (retained soil $\phi =$ see above, $\gamma = 125$ pcf [19.6 kN/m³]; foundation soil ($\phi =$ see above, $\gamma = 120$ pcf [18.9 kN/m³]). The friction angle (ϕ) is assumed to be the same for both the retained and foundation soils.
- The bearing capacity of the soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
- The hydrostatic pressure is not considered. The wall must be provided with an adequate drainage system.
- Surcharge of 250 psf (12 kPa) (trucks).
- Surcharge of 100 psf (4.8 kPa) (cars).
- The design charts do not apply to tiered walls.

For further information, please contact our technical service department.

Wall Design Charts USA

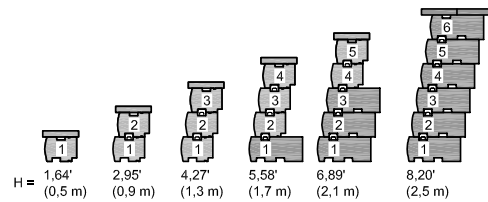
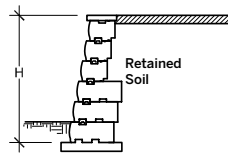
Monumental

The information contained in the design charts is supplied for information purposes only. TECHO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in design charts. **This chart should be read in conjunction with the notes on pages 180 and 181.**

Retained soil: Sands ($\phi = 30^\circ$, $\gamma = 125$ pcf [19.6 kN/m³])

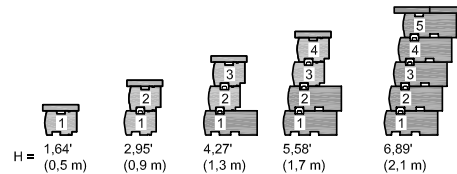
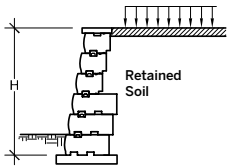
CASE N° 5

Inclined wall (10.8°)
Surcharge: None



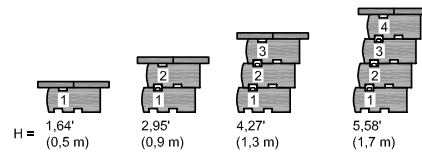
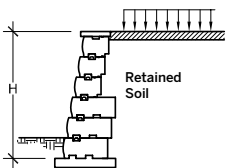
CASE N° 6

Inclined wall (10.8°)
Surcharge: 100 psf (4.8 kPa)



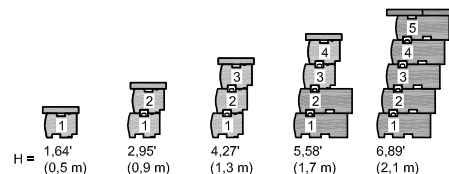
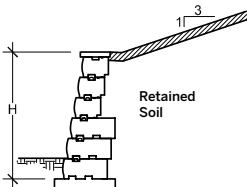
CASE N° 7

Inclined wall (10.8°)
Surcharge: 250 psf (12 kPa)



CASE N° 8

Inclined wall (10.8°)
Slope: 1V:3H



THE DESIGN CHARTS WERE DEVELOPED BASED ON THE FOLLOWING CONDITIONS:

- Design as per requirements of *NCMA Design Manual for Segmental Retaining Walls, 3rd Edition*.
- Soil parameters: (retained soil $\phi =$ see above, $\gamma = 125$ pcf [19.6 kN/m³]; foundation soil ($\phi =$ see above, $\gamma = 120$ pcf [18.9 kN/m³]). The friction angle (ϕ) is assumed to be the same for both the retained and foundation soils.
- The bearing capacity of the soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
- The hydrostatic pressure is not considered. The wall must be provided with an adequate drainage system.
- Surcharge of 250 psf (12 kPa) (trucks).
- Surcharge of 100 psf (4.8 kPa) (cars).
- The design charts do not apply to tiered walls.

For further information, please contact our technical service department.

Wall Design Charts USA

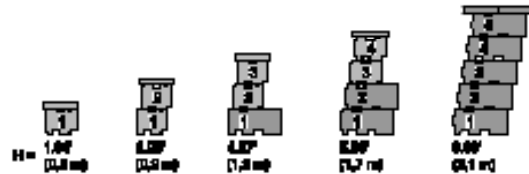
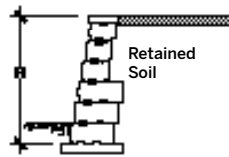
Monumental

The information contained in the design charts is supplied for information purposes only. TECHO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in design charts. **This chart should be read in conjunction with the notes on pages 180 and 181.**

Retained soil: Low plastic silts and clays ($\phi = 28^\circ$, $\gamma = 125$ pcf [19.6 kN/m³])

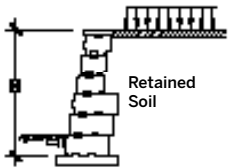
CASE N° 9

Inclined wall (10.8°)
Surcharge: None



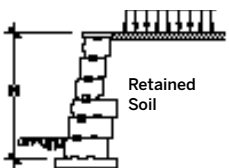
CASE N° 10

Inclined wall (10.8°)
Surcharge: 100 psf
(4.8 kPa)



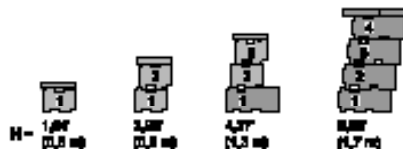
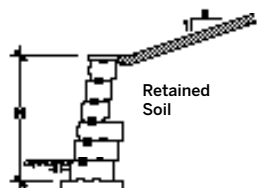
CASE N° 11

Inclined wall (10.8°)
Surcharge: 250 psf
(12 kPa)



CASE N° 12

Inclined wall (10.8°)
Slope: 1V:3H



THE DESIGN CHARTS WERE DEVELOPED BASED ON THE FOLLOWING CONDITIONS:

- Design as per requirements of *NCMA Design Manual for Segmental Retaining Walls, 3rd Edition*.
- Soil parameters: (retained soil $\phi =$ see above, $\gamma = 125$ pcf [19.6 kN/m³]; foundation soil ($\phi =$ see above, $\gamma = 120$ pcf [18.9 kN/m³]). The friction angle (ϕ) is assumed to be the same for both the retained and foundation soils.
- The bearing capacity of the soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
- The hydrostatic pressure is not considered. The wall must be provided with an adequate drainage system.
- Surcharge of 250 psf (12 kPa) (trucks).
- Surcharge of 100 psf (4.8 kPa) (cars).
- The design charts do not apply to tiered walls.

For further information, please contact our technical service department.

Wall Design Charts USA

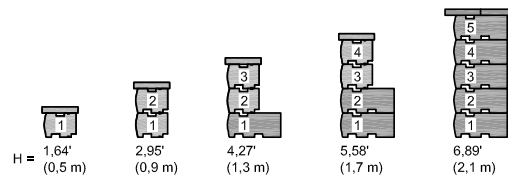
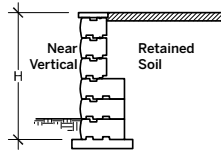
Monumental

The information contained in the design charts is supplied for information purposes only. TECHO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in design charts. **This chart should be read in conjunction with the notes on pages 180 and 181.**

Retained soil: Sand and gravel mixes ($\phi = 36^\circ$, $\gamma = 125$ pcf [19.6 kN/m³])

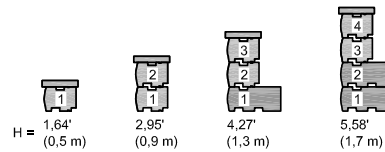
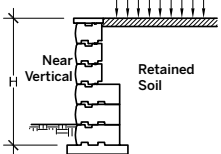
CASE N° 13

Near vertical wall (1.4°)
Surcharge: None



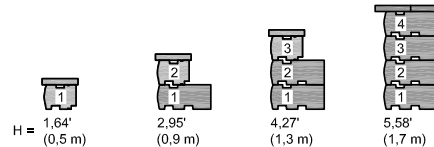
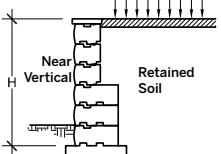
CASE N° 14

Near vertical wall (1.4°)
Surcharge: 100 psf (4.8 kPa)



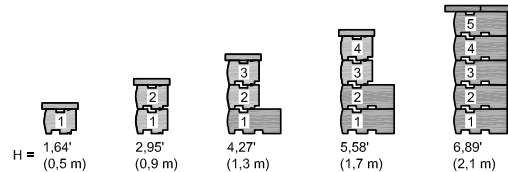
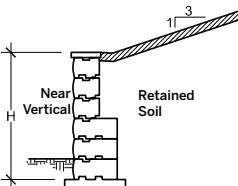
CASE N° 15

Near vertical wall (1.4°)
Surcharge: 250 psf (12 kPa)



CASE N° 16

Near vertical wall (1.4°)
Slope: 1V:3H



THE DESIGN CHARTS WERE DEVELOPED BASED ON THE FOLLOWING CONDITIONS:

- Design as per requirements of *NCMA Design Manual for Segmental Retaining Walls, 3rd Edition*.
- Soil parameters: (retained soil $\phi =$ see above, $\gamma = 125$ pcf [19.6 kN/m³]; foundation soil ($\phi =$ see above, $\gamma = 120$ pcf [18.9 kN/m³]). The friction angle (ϕ) is assumed to be the same for both the retained and foundation soils.
- The bearing capacity of the soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
- The hydrostatic pressure is not considered. The wall must be provided with an adequate drainage system.
- Surcharge of 250 psf (12 kPa) (trucks).
- Surcharge of 100 psf (4.8 kPa) (cars).
- The design charts do not apply to tiered walls.

For further information, please contact our technical service department.

Wall Design Charts USA

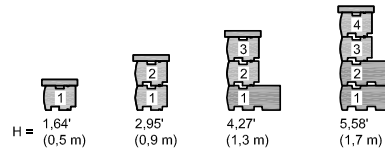
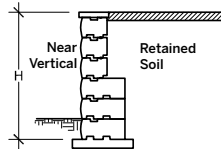
Monumental

The information contained in the design charts is supplied for information purposes only. TECHO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in design charts. **This chart should be read in conjunction with the notes on pages 180 and 181.**

Retained soil: Sands ($\phi = 30^\circ$, $\gamma = 125$ pcf [19.6 kN/m³])

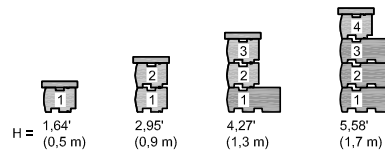
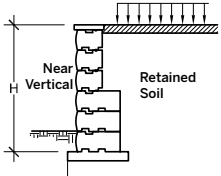
CASE N° 17

Near vertical wall (1.4°)
Surcharge: None



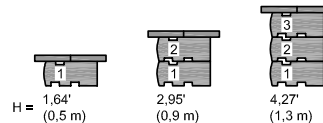
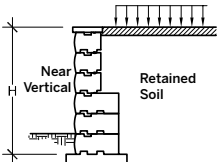
CASE N° 18

Near vertical wall (1.4°)
Surcharge: 100 psf (4.8 kPa)



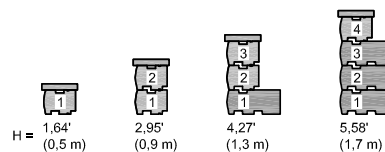
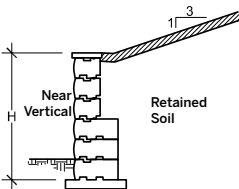
CASE N° 19

Near vertical wall (1.4°)
Surcharge: 250 psf (12 kPa)



CASE N° 20

Near vertical wall (1.4°)
Slope: 1V:3H



THE DESIGN CHARTS WERE DEVELOPED BASED ON THE FOLLOWING CONDITIONS:

- Design as per requirements of *NCMA Design Manual for Segmental Retaining Walls, 3rd Edition*.
- Soil parameters: (retained soil $\phi =$ see above, $\gamma = 125$ pcf [19.6 kN/m³]; foundation soil ($\phi =$ see above, $\gamma = 120$ pcf [18.9 kN/m³]). The friction angle (ϕ) is assumed to be the same for both the retained and foundation soils.
- The bearing capacity of the soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
- The hydrostatic pressure is not considered. The wall must be provided with an adequate drainage system.
- Surcharge of 250 psf (12 kPa) (trucks).
- Surcharge of 100 psf (4.8 kPa) (cars).
- The design charts do not apply to tiered walls.

For further information, please contact our technical service department.

Wall Design Charts USA

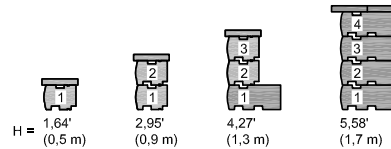
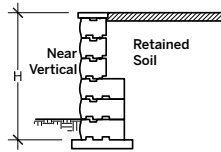
Monumental

The information contained in the design charts is supplied for information purposes only. TECHO-BLOC and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in design charts. **This chart should be read in conjunction with the notes on pages 180 and 181.**

Retained soil: Low plastic silts and clays ($\phi = 28^\circ$, $\gamma = 125$ pcf [19.6 kN/m³])

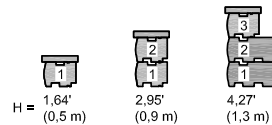
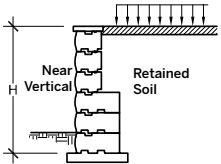
CASE N° 21

Near vertical wall (1.4°)
Surcharge: None



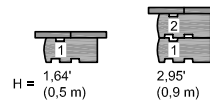
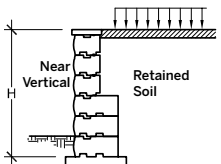
CASE N° 22

Near vertical wall (1.4°)
Surcharge: 100 psf
(4.8 kPa)



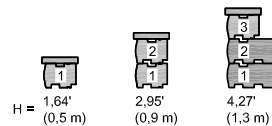
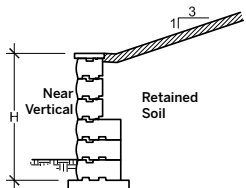
CASE N° 23

Near vertical wall (1.4°)
Surcharge: 250 psf
(12 kPa)



CASE N° 24

Near vertical wall (1.4°)
Slope: 1V:3H



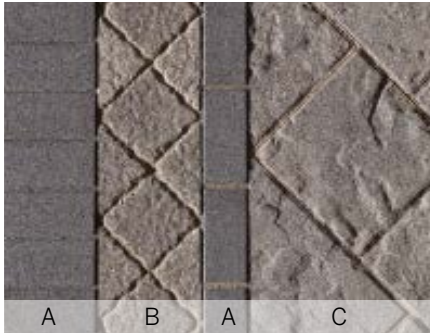
THE DESIGN CHARTS WERE DEVELOPED BASED ON THE FOLLOWING CONDITIONS:

- Design as per requirements of *NCMA Design Manual for Segmental Retaining Walls, 3rd Edition*.
- Soil parameters: (retained soil $\phi =$ see above, $\gamma = 125$ pcf [19.6 kN/m³]; foundation soil ($\phi =$ see above, $\gamma = 120$ pcf [18.9 kN/m³]). The friction angle (ϕ) is assumed to be the same for both the retained and foundation soils.
- The bearing capacity of the soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
- The hydrostatic pressure is not considered. The wall must be provided with an adequate drainage system.
- Surcharge of 250 psf (12 kPa) (trucks).
- Surcharge of 100 psf (4.8 kPa) (cars).
- The design charts do not apply to tiered walls.

For further information, please contact our technical service department.

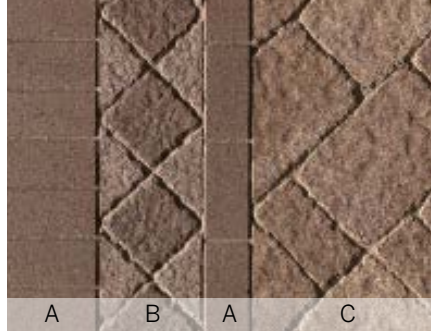
Decorative Mozaïks

MOZAÏK 01



- A Victorien | onyx black
- B Hera square | shale grey
- C Blu | shale grey

MOZAÏK 02



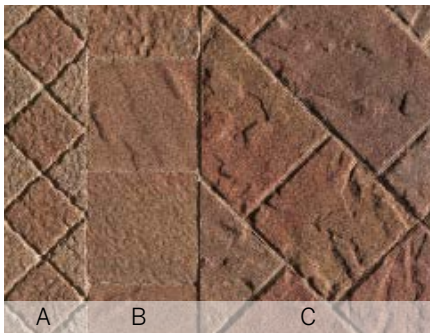
- A Victorien | chocolate brown
- B Hera square | chocolate brown and chestnut brown
- C Olympia random | chestnut brown

MOZAÏK 03



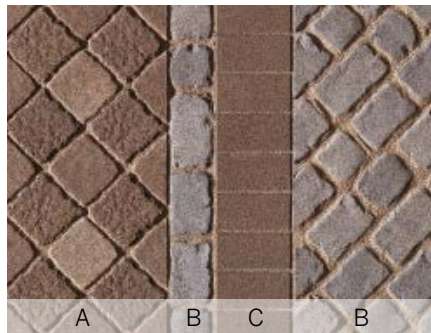
- A Victorien | onyx black
- B Hera square | champlain grey
- C Olympia square | champlain grey

MOZAÏK 04



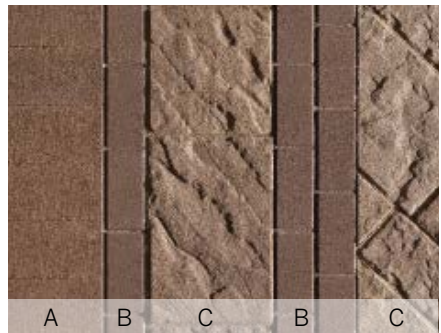
- A Hera square | autumn red
- B Mista square | autumn red
- C Blu | autumn red

MOZAÏK 05



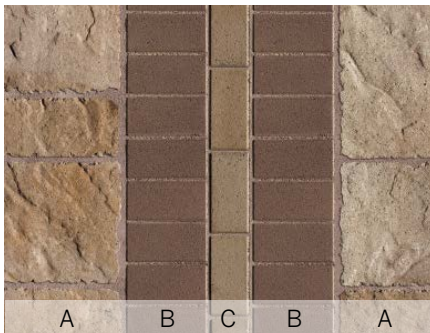
- A Hera square | chocolate brown
Parisien square | chestnut brown
- B Villagio | champlain grey
- C Victorien | chocolate brown

MOZAÏK 06



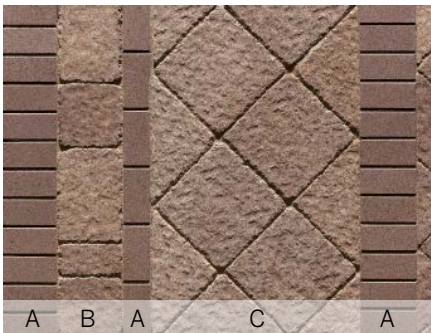
- A Bullnose | chestnut brown
- B Victorien | chocolate brown
- C Blu | chestnut brown

MOZAÏK 07



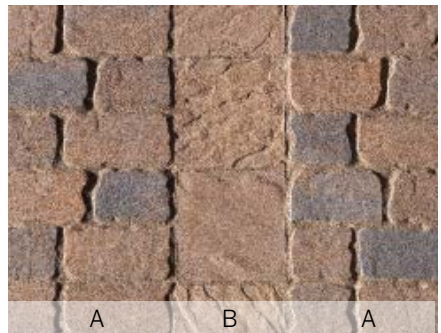
- A Blu | harvest gold
- B Victorien | chocolate brown
- C Victorien | mojave beige

MOZAÏK 08



- A Victorien | chocolate brown
- B Olympia random | chestnut brown
- C Olympia square | chestnut brown

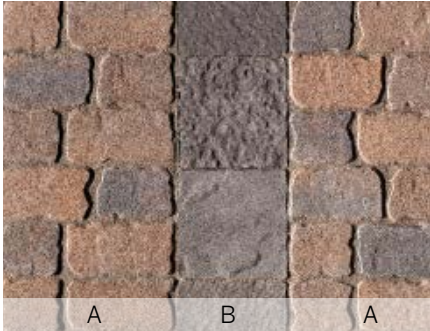
MOZAÏK 09



- A Villagio Grande | sandalwood
- B Mista square | mojave beige

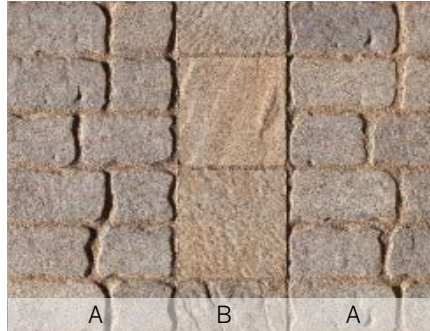
Decorative Mozaïks

MOZAÏK 10



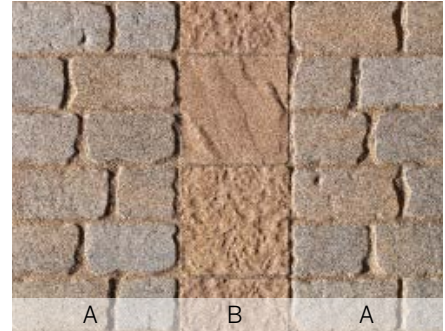
- A Villagio Grande | sandlewood
- B Mista square | shale grey

MOZAÏK 11



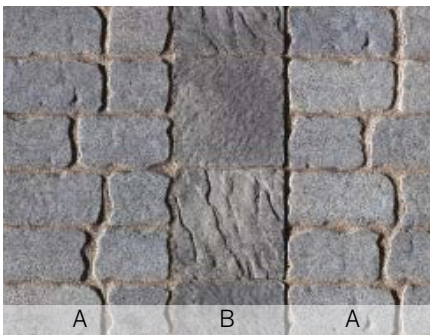
- A Villagio Grande | champlain grey
- B Mista square | champlain grey

MOZAÏK 12



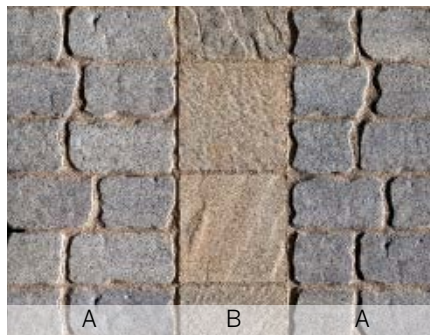
- A Villagio Grande | champlain grey
- B Mista square | mojave beige

MOZAÏK 13



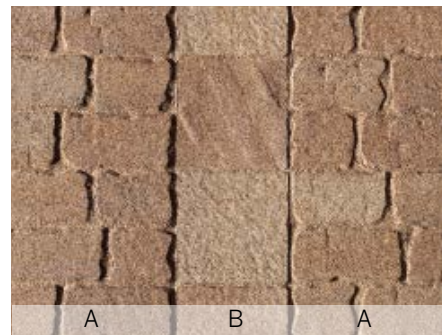
- A Villagio Grande | shale grey
- B Mista square | shale grey

MOZAÏK 14



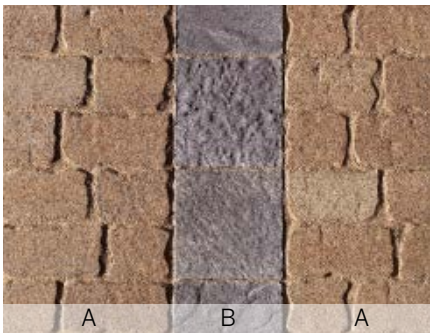
- A Villagio Grande | shale grey
- B Mista square | champlain grey

MOZAÏK 15



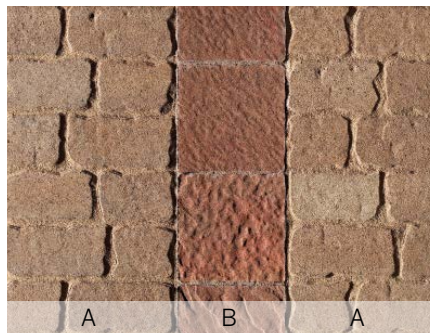
- A Villagio Grande | harvest gold
- B Mista square | harvest gold

MOZAÏK 16



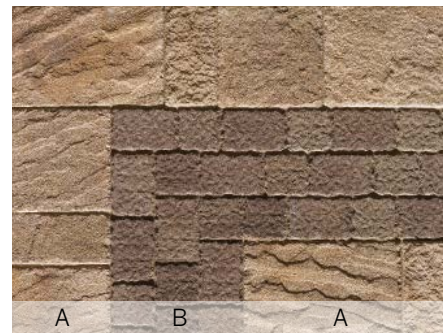
- A Villagio Grande | harvest gold
- B Mista square | shale grey

MOZAÏK 17



- A Villagio Grande | harvest gold
- B Mista square | autumn red

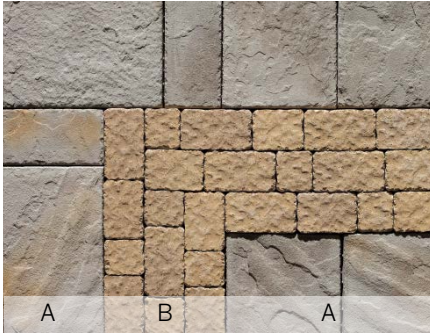
MOZAÏK 18



- A Inca | baja beige
- B Hera rectangle | chestnut brown
Hera square | chestnut brown

Decorative Mozaïks

MOZAÏK 19



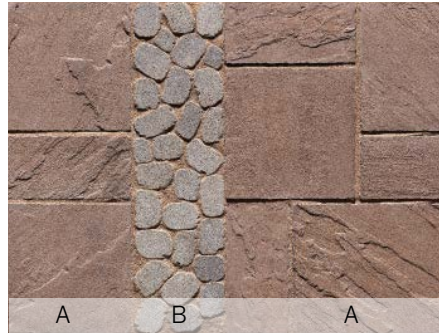
- A Inca | riviera
- B Hera rectangle | mojave beige
Hera square | mojave beige

MOZAÏK 20



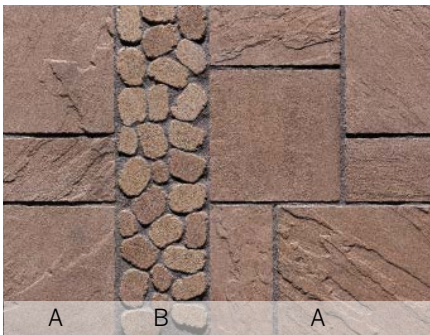
- A Monticello | olive
- B Antika | shale grey
- C Monticello | azzurro, olive, chocolate brown

MOZAÏK 21



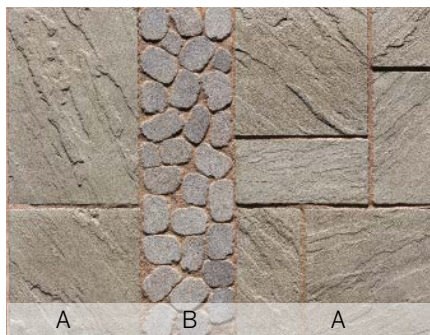
- A Monticello | chocolate brown
- B Antika | shale grey

MOZAÏK 22



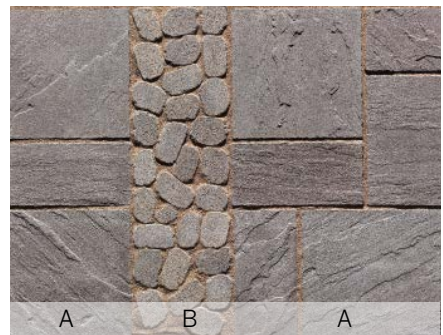
- A Monticello | chocolate brown
- B Antika | chestnut brown

MOZAÏK 23



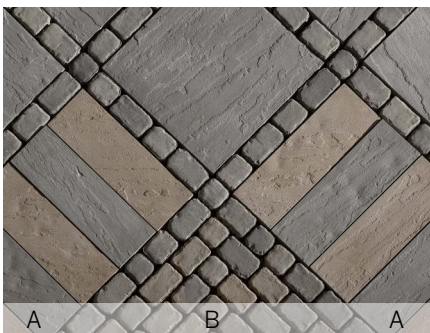
- A Monticello | olive
- B Antika | shale grey

MOZAÏK 24



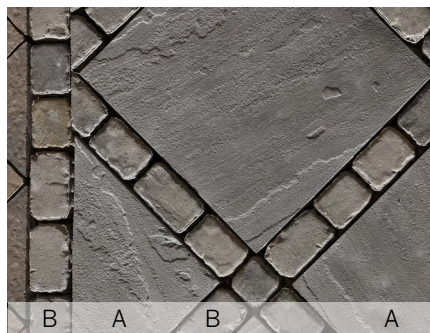
- A Monticello | azzurro
- B Antika | shale grey

MOZAÏK 25



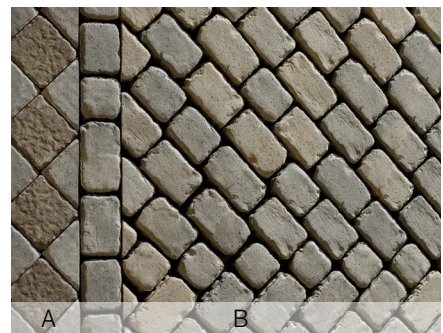
- A Aberdeen 10x30 | azzurro,
rock garden brown
- B Villagio | champlain grey

MOZAÏK 26



- A Aberdeen 30x30 | azzurro
- B Villagio | champlain grey

MOZAÏK 27



- A Hera Square | champlain grey,
chocolate brown
- B Villagio | champlain grey

Warranty



PRINTED COLOR SWATCHES

Due to the inherent nature of printed literature and current digital media Techo-Bloc cannot guarantee specific color matching. The natural materials that we use in our paving stones and retaining wall products deliver a range of natural colors that closely match color samples, in catalogues, spec books, color swatch books and online photos. Comprised of natural ingredients, pavement units vary slightly in color batch depending on environmental conditions. Therefore, colors shown are approximate representations of standard colors and shouldn't be expected to be an exact match. Final color selection should be made at your local dealer from stock product. Techo-Bloc always recommends immediately verifying the product and color upon receipt. If there are any discrepancies, contact your local dealer before continuing your project. Installation of the product constitutes its acceptance.

EFFLORESCENCE

This warranty does not apply to efflorescence. Efflorescence is a naturally occurring process in all concrete products that sometimes appears in the form of a white powdery film on the pavement surface. It does not, in any way, compromise the functionality or the structural integrity of the product. Although efflorescence cannot be prevented, it will wash off over time or can be cleaned with an efflorescence cleaner. Techo-Bloc accepts no responsibility or liability for this condition. For industry information about efflorescence, please visit www.icpi.org or www.ncma.org.

COMPACTOR AND SNOW REMOVAL EQUIPMENT

Pavers with an embossed surface (high and low points) are more susceptible to scuff marks from vibratory plate compactors used in most concrete paver installations. Techo-Bloc recommends the use of a urethane mat between the plate and the paver surface when compacting. Contact your equipment supplier for more information about accessories for this purpose. Also snow removal equipment should have the proper spacing, bumpers, and rubber blade guards to protect the surface of the pavers. Techo-Bloc will not be held responsible for damage caused by the misuse of compaction or snow removal equipment, leaving scuff marks, or burns on pavers.

PROPER COLOR DISTRIBUTION AND LAYING TECHNIQUES

Proper installation enhances the overall color of pavement. Pavement units should be selected from at least two pallets and then randomly mixed. This creates an attractive and subtle blending of color.



For the warranty details and information on the Stonedge Collection Products please visit: www.techo-bloc.com

NOTE: This warranty does not apply to any breakage, chipping, natural wear or other deterioration that were caused from improper design or installation which does not comply with applicable codes, the ICPI (Interlocking Concrete Pavement Institute), NCMA (National Concrete Masonry Association) and recognized work procedures. Please visit www.icpi.org or www.ncma.org for more information on installation specifications. This warranty does not apply to any damage resulting from a natural disaster or from a deliberate and /or negligible act on the part of the purchaser, owner of the building, installer or any third party.

Color Chart

	sandlewood	grey	shale grey	charcoal	red & black	mojave beige	champlain grey	victoria	rivera	onyx black	rock garden brown	arizona gold	harvest gold	chestnut brown	autumn red	oceana	chocolate brown	ivory	azzurro	baja beige	olive	nickel	galaxie black
PAVERS	01	07	08	10	13	16	21	24	25	27	37	38	39	40	41	42	43	44	46	47	48	58	60
Allegro	●		●			●	●						●	●	●	●							
Antika	●		●											●									
Athena	●		●			●	●						●	●	●	●							
Blu 80 mm Slate and Slate Aged	●		●			●	●						●	●	●	●							
Blu 80 mm Smooth NEW			●											●		●							
Blu 60 mm (6" x 13") NEW	●		●			●	●			●			●	●	●	●	●						
Elena	●		●			●	●																
Exflo			●											●									
Flagstone	●					●	●						●	●		●							
Hera Square and Rectangle	●		●			●	●			●			●	●	●	●	●						
Inflo			●											●									
Linea NEW	●		●				●			●				●	●		●						
Industria Collection NEW		●		●						●							●						●
Mista Square and Random Permeable	●		●			●	●						●	●	●	●							
Mista Grande			●				●			●			●	●			●						
Olympia Square, Random and Circle	●		●			●	●						●	●	●	●							
Parisien Square and Circle	●		●			●	●						●	●	●	●							
Parisien Rectangle	●		●			●	●			●			●	●	●		●						
Permea			●			●	●																
Rotondo	●		●			●	●						●	●	●	●							
San Marino NEW	●		●				●			●				●			●						
Trias	●		●			●	●										●						
Victorien 60 mm	●	●	●		●	●				●							●						
Victorien 80 mm		●								●							●						
Victorien 60 mm Permeable			●											●	●								
Villagio	●		●			●	●			●			●	●	●	●	●						
Villagio Grande	●		●				●						●	●	●	●	●						
SLABS	01	07	08	10	13	16	21	24	25	27	37	38	39	40	41	42	43	44	46	47	48	58	60
Aberdeen											●								●	●	●		
Blu 60 mm Slate and Slate Aged	●		●			●	●						●	●	●	●							
Blu 60 mm Smooth NEW			●											●		●							
Blu Grande Slate NEW	●		●			●	●						●	●	●								
Blu Grande Smooth NEW			●											●		●							
Inca								●	●												●		
Maya Slab								●	●												●		
Mezzo NEW								●	●												●		
Monticello											●						●		●			●	
Royale	●	★	●	★			●																
Travertina NEW									●		●							●					

● New ● Available ● Available 1/2 pallet ★ Upon request

Color Chart

	sandlewood	grey	shale grey	charcoal	red & black	mojave beige	champain grey	victoria	rienera	onyx black	rock garden brown	arizona gold	harvest gold	chestnut brown	autumn red	oceana	chocolate brown	ivory	azzurro	baja beige	olive	nickel	galaxie black
	01	07	08	10	13	16	21	24	25	27	37	38	39	40	41	42	43	44	46	47	48	58	60
WALLS & PILLARS																							
Escala 3.5" Wall	●		●			●	●						●	●	●	●							
Manchester	●		●				●			●			●	●	●	●	●						
Mini-Creta 3"						●	●			●			●	●	●	●	●						
Mini-Creta 3" Architectural NEW	●		●			●	●			●			●	●	●	●	●						
Mini-Creta 6"						●	●						●	●	●	●							
Mini-Creta 6" Architectural NEW	●		●			●	●						●	●	●	●							
Monumental			●			●																	
Muro Naturale 6"											●	●											
Pillars 24" x 3" and 24" x 6" Mini-Creta	●		●			●	●						●	●	●	●							
Pillar 28" x 6" Mini-Creta	★		★			★																	
Pillars 24" Mini-Creta Architectural NEW	●		●			●	●							●									
Quarry Stone 100 mm and Quarry Stone 200 mm	●		●			●	●						●	●	●	●							
Semma Split Face						●	●							●									
Suprema	●		●			●	●																
STEPS, CAPS AND OVERLAY SYSTEM	01	07	08	10	13	16	21	24	25	27	37	38	39	40	41	42	43	44	46	47	48	58	60
Aged Cap	●		●			●	●				●		●	●	●	●	●						
Bali Travertina NEW									●		●							●					
Bullnose Cap Smooth and Aged	●		●			●	●			●			●	●	●	●	●						
Escala 3.5" Cap	●		●			●	●						●	●	●	●							
Monumental Cap			●			●																	
Muro Naturale Cap										●	●	●					●						
Niagara Cap	●		●			●	●						●	●	●	●							
Piedimonte Cap NEW									●	●	●												
Portofino Cap									●	●	●						●		●	●	●		
Prima 14" Cap	●		●			●	●						●	●	●	●							
Stonedge 28" Pillar Cap										★							★			★			
Vega Counter Top NEW																							●
York Collection									●	●	●						●	●					
Antique 14" Step	●		●			●	●																
Maya Step									●	●	●						●			●	●		
Röcka Steps 48" and 60"									●	●	●						●			●	●		
York Step									●	●	●						●			●	●		
Blu 45 mm Concrete Overlay System	●		●			●	●						●	●	●	●							
Venetian Series Step Overlay System	●		●			●	●						●	●	●	●							
EDGES	01	07	08	10	13	16	21	24	25	27	37	38	39	40	41	42	43	44	46	47	48	58	60
Avignon	●		●			●	●						●	●	●	●							
Belgik	●		●			●	●						●	●	●	●							
Pietra	●		●			●	●						●	●	●	●							
Tundra	●		●			●	●						●	●	●	●							
OUTDOOR FEATURES	01	07	08	10	13	16	21	24	25	27	37	38	39	40	41	42	43	44	46	47	48	58	60
Foyer													●	●	●	●							
Valencia Fire pit	●		●			●	●						●	●	●	●							

● New ● Available ● Available 1/2 pallet ★ Upon request

TECHNICAL
GUIDELINES



Wall design Charts

Preliminary design assistance

Techo-Bloc can help you in your preliminary design of retaining walls which fall outside the bounds of the Height Charts. However, preliminary design should only be used to assess the suitability of a wall system to a specific project or for estimating budget costs. For final construction designs, please contact a qualified engineer in your area.

1. TECO-BLOC

Representative _____ Date _____

2. GENERAL PROJECT INFORMATION

Enterprise _____ Are you a Techo-Pro? Yes No

Address _____ City _____

State / Province _____ Postal Code _____ Contact _____

Telephone _____ Fax _____

E-mail _____ Information date required _____

Prepared by _____ Project title _____

Address _____ City _____

State / Province _____ Postal Code _____

Type (industrial, commercial, institutional, residential) _____ Units (metric or imperial) _____

3. GENERAL INFORMATION ON WALLS

Block product _____ Techo-Bloc Distributor _____

Maximum wall height (above-ground) _____ Wall length _____

Tiered wall <input type="checkbox"/> No <input type="checkbox"/> Yes	LOWER WALL	Distance between	UPPER WALL
	Height _____	_____	_____

If a grading plan is available, include it with this request (drawings should indicate the location of the wall, grade lines and loads). Otherwise, clear and detailed sketches must be provided.

4. SLOPE INFORMATION

Indicate the angle or the ratio. For example, for a 1-unit vertical difference in level on a 3-unit horizontal plan, write 1V:3H.

Slope at BASE of wall? No Yes _____ (angle or ratio)

Slope ABOVE wall? No Yes _____ (angle or ratio)

5. SURCHARGE ABOVE WALL

TYPE OF SURCHARGE (LOAD)	WALL DISTANCE
<input type="checkbox"/> Route	_____
<input type="checkbox"/> Parking / alley for heavy vehicles	_____
<input type="checkbox"/> Parking / alley for light vehicles	_____
<input type="checkbox"/> Swimming pool	_____
<input type="checkbox"/> Paved surface (patio)	_____
<input type="checkbox"/> Lawn / grass	_____
<input type="checkbox"/> Other	_____

6. TYPE OF SOIL

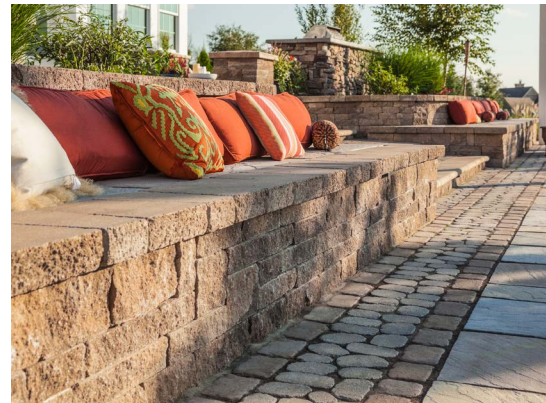
Reinforced soil _____	Retained soil _____
<input type="checkbox"/> Clean sand and gravel	<input type="checkbox"/> Silty sand
<input type="checkbox"/> Silty gravel	<input type="checkbox"/> Clayey sand
<input type="checkbox"/> Clayey gravel	<input type="checkbox"/> Silt and clay
<input type="checkbox"/> Other _____	

If a soil report is available, attach it to this request.

**Return this request by one of the following methods: Fax 450 656-1983 | Email walls@techo-bloc.com
Mail Techo-Bloc - 5255 Albert-Millichamp Street, Saint-Hubert, QC J3Y 8Z8**



DE-ICING SALT RESISTANT • STRENGTH & DURABILITY
TRANSFERABLE LIFETIME WARRANTY • COLOR THROUGH & THROUGH



USA

Pennsylvania - 852 Pennsylvania Avenue, Pen Argyl, PA 18072

Pennsylvania - 23 Quarry Road, Douglassville, PA 19518

Massachusetts - 70 East Brookfield Rd., North Brookfield, MA 01535

North Carolina - 5135 Surret Drive, High Point, NC 27263

Ohio - 15000 W. Akron Canfield Rd., Berlin Center, OH 44401

CANADA

Montreal - 5255 Albert-Millichamp street, Saint-Hubert, QC J3Y 8Z8

Ottawa - 6310 Hazeldean Road - P.O. Box 1791, Stittsville, ON K2S 1B4

Toronto - 10 Freshway Drive, Vaughan, ON L4K 1S3

Toronto - 1050 Industrial Road, Ayr, ON NOB 1E0

Toll free: 1.877.832.4625

www.techo-bloc.com

Proud member of

