Techo-Bloc

TECHO SPEC

CANADA

VOLUME **16**

PAVERS, SLABS, WALLS,
STEPS & CAPS, EDGES AND
OUTDOOR FEATURES

COLOUR

Due to the inherent nature of printed literature and current digital media, Techo-Bloc cannot guarantee specific colour matching to printed representations of its colour swatches.

Each colour option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another. Therefore, colour samples shown are approximate representations of our standard colours and actual product colours may vary.

Final colour selection should be made at your local dealer from stocked product. Techo-Bloc always recommends immediately verifying the product and colour upon reception. If there are any discrepancies, contact your local dealer before continuing your project. Installation of the product constitutes your acceptance of the product as is.

PROPER COLOUR DISTRIBUTION AND LAYING TECHNIQUES

Proper installation enhances the overall colour of pavement. Units should be randomly picked from at least two pallets when installing. This creates an attractive and subtle blending of colour.

EFFLORESCENCE

This warranty does not apply to efflorescence. Efflorescence is a natural occurring process in all concrete products which sometimes appears in the form of a white powdery film on the pavement surface. Efflorescence is more perceivable in darker colours such as Onyx Black and Chocolate Brown as there is a higher level of contrast than with other blended colours. 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 efflorescence cleaner. Techo-Bloc accepts no responsibility or liability for this condition.

POLYMERIC HAZE

Polymeric haze from the use of polymeric joint sand may appear on your concrete products if the sand was not removed from the surface of the paver properly. This does not, in any way, affect the integrity of the product or your installation. The hazing will weather away naturally with time and rain. It can be removed with a specialized cleaner; you are advised to contact your contractor or the polymeric sand company used for advice on recommendations. Techo-Bloc accepts no responsibility or liability for this occurrence.

CONSTRUCTION RESIDUE

A by-product of cutting with a saw is residue-filled water or concrete dust. Residue-filled water or re-hydrated dust can cling to the surface and leave a concrete stain. It is recommended to wash and remove the water or concrete dust from the surface of the pavers before it dries. Construction residue can also happen through soil disturbance or environmental elements. These contaminants should be removed immediately but do not affect the integrity of the product or your installation. Techo-Bloc accepts no responsibility or liability for these occurrences.

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 during 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 is not responsible for damage caused by the misuse of compaction or snow removal equipment, which may leave scuff marks, or burns on pavers.

TECHO-BLOC WARRANTY

TECHO-BLOC IS PROUD TO CERTIFY *that our paving stones and retaining walls meet the latest industry standards in Canada and the United States of America. All Techo-Bloc manufactured landscape products comply with and surpass all applicable standards established by the CSA (Canadian Standards Association), ASTM (American Society for Testing and Materials) and the BNQ (Bureau de normalisation du Québec), recognized as the strictest standards throughout 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 abovementioned products resulting from natural causes and the abnormal deterioration of the surface due to the use of sodium chloride (NaCl) such as de-icing salt.*

IF PRODUCTS PROVE DEFECTIVE, *we will replace these units. Techo-Bloc's responsibility is limited to its products only and not to the costs related to the installation of those products. Techo-Bloc will honor this transferable lifetime warranty with a proof of purchase such as an invoice or delivery slip.*

STONEDGE COLLECTION WARRANTY

STONEDGE™ LANDSCAPE AND MASONRY PRODUCTS *are manufactured under the highest standards of quality and workmanship. This warranty is offered to the original Consumer Purchaser (Homeowner), for as long as they own their home. STONEDGE™ warrants that the product is free from defects in material and workmanship, and is in compliance with the specifications of the Canadian Standards Association and the American Standards for testing Materials.*

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. 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.

For industry information about efflorescence, polymeric haze or information pertaining to installation specifications, please visit **www.icpi.org** or **www.ncma.org**.

Techo-Bloc.com
RESOURCES GUIDE

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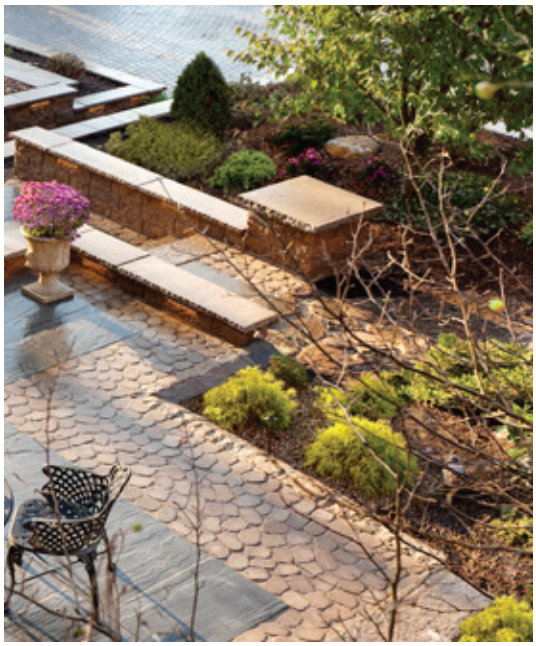
www.linkedin.com/**company/techo-bloc**



Sketch it!

STEP 1
https://3dwarehouse.sketchup.com/

STEP 2
Taper «**TECHO-BLOC**»

STEP 3
If you want to see **OUR OFFICIAL COLLECTION**, change "MODEL" to "COLLECTION".

STEP 4
Click on "search"

Be well equiped!

DOWNLOAD THE APP ON **APPLE®** AND **ANDROID®**.

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USE VIBRATING PLATE
DO NOT USE VIBRATING PLATE
PERMEABLE PAVERS
STONE TO STONE TONE DISTRIBUTION

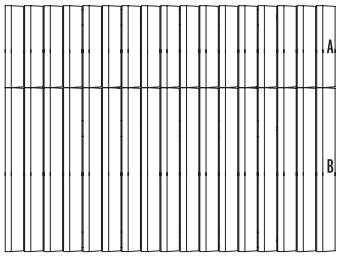
SLABS

PATIOS, WALKWAYS, POOLSIDES
& STEPPING STONES

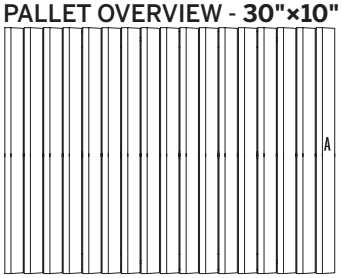
Aberdeen

DESCRIPTION: Slab
TEXTURE: Slate

PALLET OVERVIEW - 20"×10" and 20"×20"



PALLET OVERVIEW - 30"×10"



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 driveways.

NOTES

Palletized upright.

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 160 for more technical information.

Specifications per pallet		Imperial	Metric
20"×10" - 20"×20"	Cubing	**70.83 ft²**	6.58 m²
	Weight	1 900 lbs	862 kg
	Number of rows	1	
	Coverage per unit A	1.39 ft²/unit	0.13 m²/unit
	Coverage per unit B	2.78 ft²/unit	0.26 m²/unit
	Linear coverage per row	42.5 lin. ft/row	12.95 lin. m/row

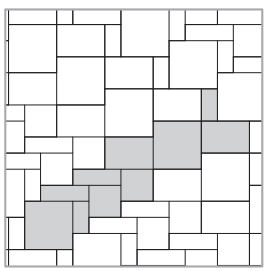
	Unit dimensions	in	mm	Units /pallet
A	Height	2 ¼	57	17 units
	Depth	20	508	
	Length	10	254	

	Unit dimensions	in	mm	Units /pallet
B	Height	2 ¼	57	17 units
	Depth	20	508	
	Length	20	508	

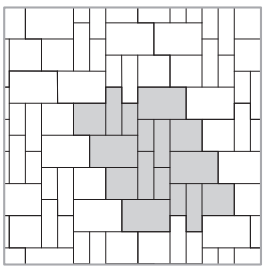
Specifications per pallet		Imperial	Metric
30"×10"	Cubing	**35.42 ft²**	3.29 m²
	Weight	992 lbs	450 kg
	Number of rows	1	
	Coverage per unit	2.08 ft²/unit	0.19 m²/unit
	Linear coverage per row Depth	42.5 lin. ft/row	12.95 lin. m/row
	Length	14.2 lin. ft/row	4.33 lin. m/row

	Unit dimensions	in	mm	Units /pallet
A	Height	2 ¼	57	17 units
	Depth	30	762	
	Length	10	254	

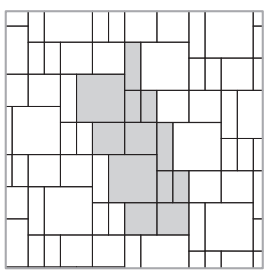
01 | Modular pattern
38% - 30"x30" | **25%** - 30"x20" | **12%** - 30"x10" | **25%** - 20"x20" & 20"x10"



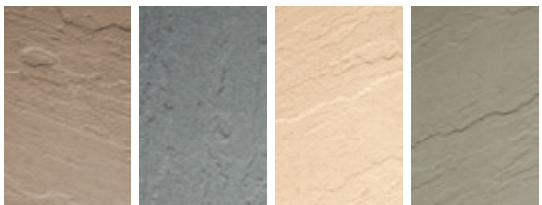
02 | Modular pattern
40% - 30"x20" | **20%** - 30"x10" | **40%** - 20"x20" & 20"x10"



03 | Modular pattern
38% - 30"x30" | **12%** - 30"x10" | **50%** - 20"x20" & 20"x10"



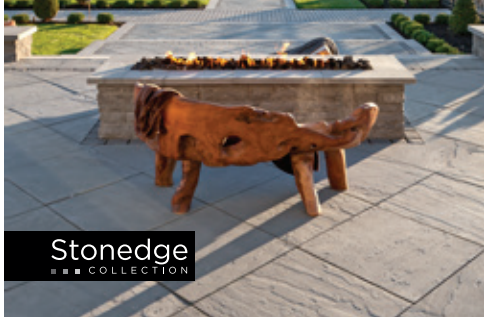
rock garden brown | azzurro | baja beige | olive



TONE DISTRIBUTION **HIGH**

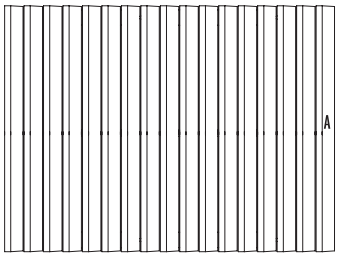
Aberdeen

DESCRIPTION: Slab
TEXTURE: Slate



SLABS

PALLET OVERVIEW



APPLICATIONS

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The Aberdeen slabs cannot be used for driveways.

NOTES

Palletized upright.

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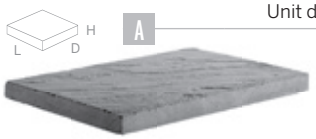
See page 160 for more technical information.

Specifications per pallet		Imperial	Metric
30"×20"	Cubing	**70.83 ft²**	6.58 m²
	Weight	1 880 lbs	853 kg
	Number of rows	1	
	Coverage per unit	4.17 ft²/unit	0.39 m²/unit
	Linear coverage per row — Depth	42.5 lin. ft/row	12.95 lin. m/row
	Length	28.3 lin. ft/row	8.63 lin. m/row

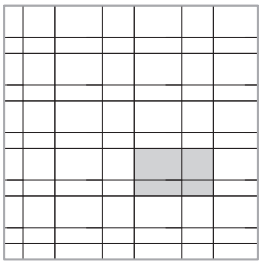


Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	17 units
Depth	30	762	
Length	20	508	

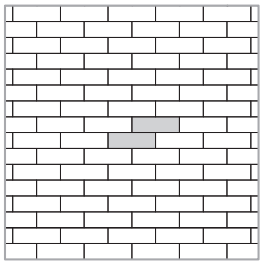
Specifications per pallet		Imperial	Metric
30"×30"	Cubing	**106.25 ft²**	9.87 m²
	Weight	2 820 lbs	1 279 kg
	Number of rows	1	
	Coverage per unit	6.25 ft²/unit	0.58 m²/unit
	Linear coverage per row	42.5 lin. ft/row	12.95 lin. m/row

Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	17 units
Depth	30	762	
Length	30	762	

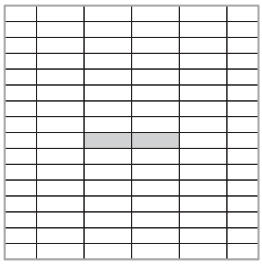
04 | Linear pattern
40% - 30"x20" | **20%** - 30"x10" | **40%** - 20"x20" & 20"x10"



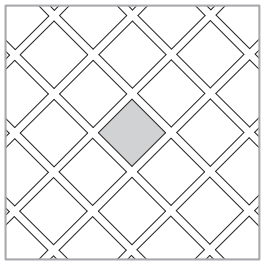
05 | Linear pattern
100% - 30"x10"



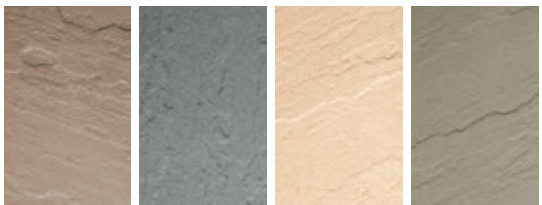
06 | Linear pattern
100% - 30"x10"



07 | Linear pattern
Checkerboard 45° | **100%** - 30"x30"



rock garden brown | azzurro | baja beige | olive



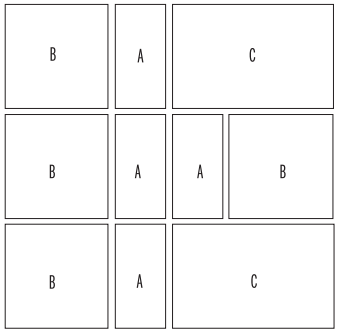
TONE DISTRIBUTION **HIGH**

Blu

60 mm, Slate

DESCRIPTION: Slab
TEXTURE: Slate

PALLET OVERVIEW



APPLICATIONS

Pedestrian traffic, patios and swimming pool decks.

The Blu 60 mm slabs cannot be used for driveways.

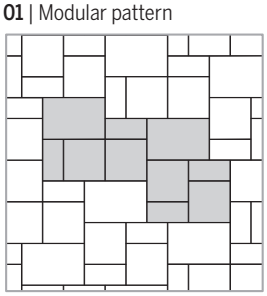
NOTES

See page 160 for more technical information.

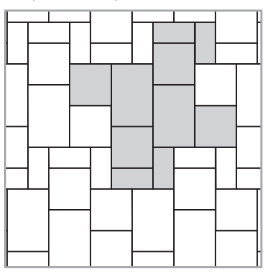
Specifications per pallet	Imperial	Metric
Cubing	**116.82 ft²**	10.96 m²
Weight	3 175 lbs	1 440 kg
Number of rows	11	
Coverage per row	10.62 ft²/row	0.99 m²/row
Linear coverage per row	9.81 lin. ft/row	3.02 lin. m/row

	Unit dimensions	in	mm	Units/pallet
A	Height	2 3/8	60	44 units
	Depth	13	330	
	Length	6 1/2	165	
B	Height	2 3/8	60	44 units
	Depth	13	330	
	Length	13	330	
C	Height	2 3/8	60	22 units
	Depth	13	330	
	Length	19 1/2	495	

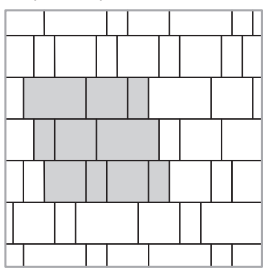
01 | Modular pattern



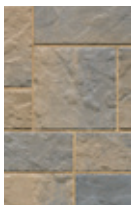
02 | Modular pattern



03 | Linear pattern

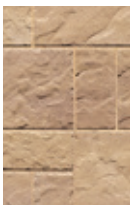


sandlewood



shale grey

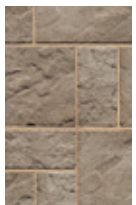
mojave beige



champlain grey

harvest gold

chestnut brown



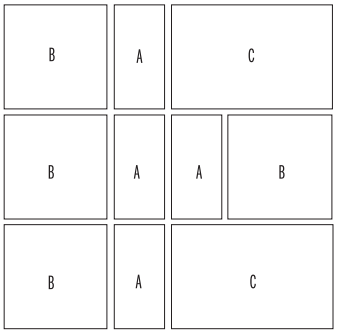
autumn red

Blu

60 mm, Smooth

DESCRIPTION: Slab
TEXTURE: Smooth

PALLET OVERVIEW



APPLICATIONS

Pedestrian traffic, patios and swimming pool decks.

The Blu 60 mm slabs cannot be used for driveways.

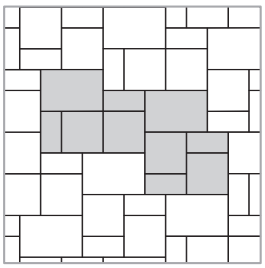
NOTES

See page 160 for more technical information.

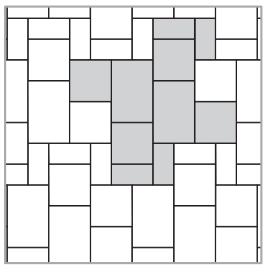
Specifications per pallet	Imperial	Metric
Cubing	**116.82 ft²**	10.96 m²
Weight	3 247 lbs	1 473 kg
Number of rows	11	
Coverage per row	10.62 ft²/row	0.99 m²/row
Linear coverage per row	9.81 lin. ft/row	3.02 lin. m/row

	Unit dimensions	in	mm	Units/pallet
A	Height	2 3/8	60	44 units
	Depth	13	330	
	Length	6 1/2	165	
B	Height	2 3/8	60	44 units
	Depth	13	330	
	Length	13	330	
C	Height	2 3/8	60	22 units
	Depth	13	330	
	Length	19 1/2	495	

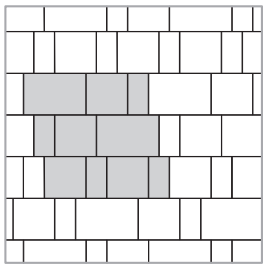
01 | Modular pattern



02 | Modular pattern



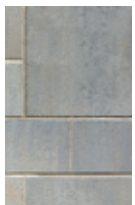
03 | Linear pattern



shale grey

chestnut brown

champlain grey



onyx black

greyed nickel

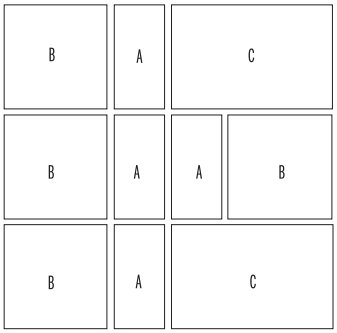
beige cream

Blu

60 mm, Polished or Galaxy

DESCRIPTION: Slab
TEXTURE: Polished or Galaxy

PALLET OVERVIEW



APPLICATIONS

Pedestrian traffic, patios and swimming pool decks.

The Blu 60 mm slabs cannot be used for driveways.

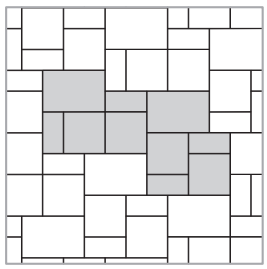
NOTES

See page 160 for more technical information.

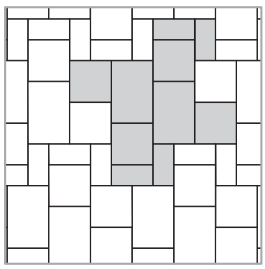
Specifications per pallet	Imperial	Metric
Cubing	**116.82 ft²**	10.96 m²
Weight	3 125 lbs	1 417 kg
Number of rows	11	
Coverage per row	10.62 ft²/row	0.99 m²/row
Linear coverage per row	9.81 lin. ft/row	3.02 lin. m/row

	Unit dimensions	in	mm	Units/pallet
A	Height	2 3/8	60	44 units
	Depth	13	330	
	Length	6 1/2	165	
B	Height	2 3/8	60	44 units
	Depth	13	330	
	Length	13	330	
C	Height	2 3/8	60	22 units
	Depth	13	330	
	Length	19 1/2	495	

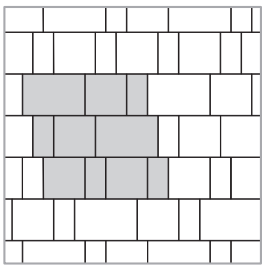
01 | Modular pattern



02 | Modular pattern

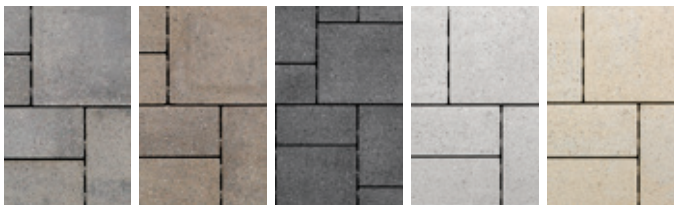


03 | Linear pattern



POLISHED

shale grey | chestnut brown | onyx black | greyed nickel | beige cream



NEW TEXTURE

GALAXY

greyed nickel | beige cream

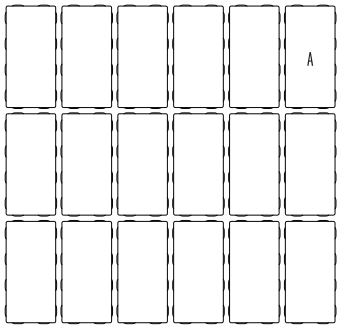
Blu

60 mm (6"×13"), Slate

DESCRIPTION: Paver and slab
TEXTURE: Slate

SLABS

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
Cubing	**FULL PALLET**	**116.05 ft²**	10.78 m²
	***HALF-PALLET**	**63.30 ft²**	5.88 m²
Weight	**FULL PALLET**	3 267 lbs	1 482 kg
	***HALF-PALLET**	1 778 lbs	806 kg
Number of rows	**FULL PALLET**	11	
	***HALF-PALLET**	6	
Coverage per row		10.55 ft²/row	0.98 m²/row
Linear coverage per row	Depth	19.5 lin. ft/row	5.94 lin. m/row
	Length	9.75 lin. ft/row	2.97 lin. m/row

A

Unit dimensions	in	mm	Units/pallet
Height	2 ⅜	60	198 units
Depth	13	330	
Length	6 ½	165	

APPLICATIONS

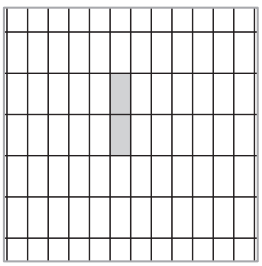
Pedestrian or light vehicular traffic, residential driveway, patios and swimming pool decks. Can be used as a border to complete the Blu Collection.

NOTES

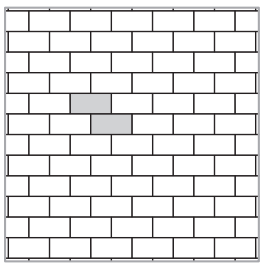
* Colours only available in half-pallets.

See page 160 for more technical information.

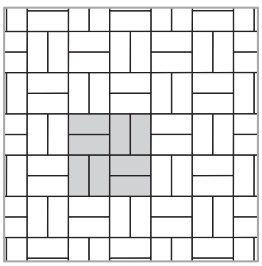
01 | Linear pattern



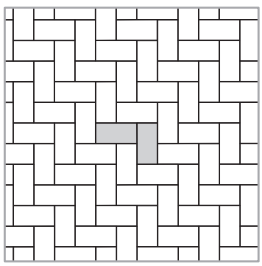
02 | Linear pattern



03 | Parquet pattern



04 | Herringbone pattern



sandlewood

shale grey

mojave beige

champlain grey

harvest gold

chestnut brown

autumn red

onyx black*

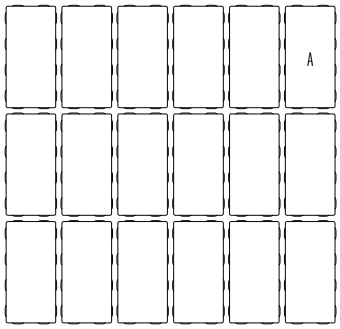
chocolate brown*

Blu

60 mm (6"×13"), Smooth

DESCRIPTION: Paver and slab
TEXTURE: Smooth

PALLET OVERVIEW



APPLICATIONS

Pedestrian or light vehicular traffic, residential driveway, patios and swimming pool decks. Can be used as a border to complete the Blu Collection.

NOTES

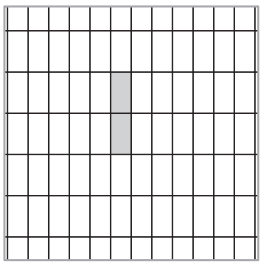
* Colours only available in half-pallets.

See page 160 for more technical information.

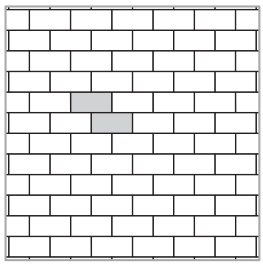
Specifications per pallet		Imperial	Metric
Cubing	**FULL PALLET**	**116.05 ft²**	10.78 m²
	***HALF-PALLET**	**63.30 ft²**	5.88 m²
Weight	**FULL PALLET**	3 138 lbs	1 423 kg
	***HALF-PALLET**	1 722 lbs	781 kg
Number of rows	**FULL PALLET**	11	
	***HALF-PALLET**	6	
Coverage per row		10.55 ft²/row	0.98 m²/row
Linear coverage per row	Depth	19.5 lin. ft/row	5.94 lin. m/row
	Length	9.75 lin. ft/row	2.97 lin. m/row

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

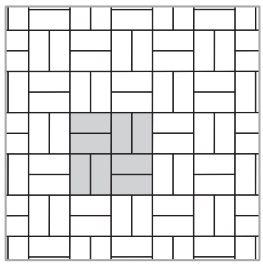
01 | Linear pattern



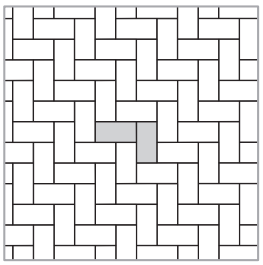
02 | Linear pattern



03 | Parquet pattern



04 | Herringbone pattern

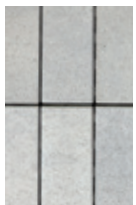


shale grey

champlain grey

chestnut brown

greyed nickel



beige cream

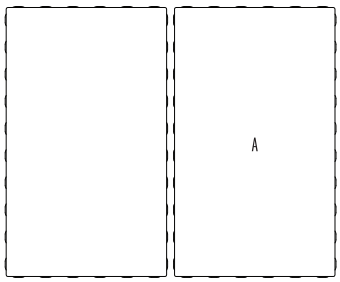
onyx black*

chocolate brown*

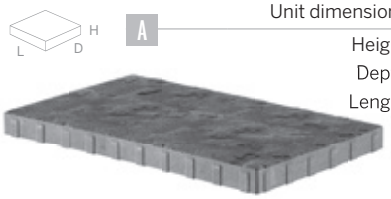
Blu Grande
Slate

DESCRIPTION: Slab
TEXTURE: Slate

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
Cubing		**96.71 ft²**	8.98 m²
Weight		2 727 lbs	1 237 kg
Number of rows		11	
Coverage per row		8.79 ft²/row	0.82 m²/row
Linear coverage per row	Depth	3.25 lin. ft/row	0.99 lin. m/row
	Length	5.41 lin. ft/row	1.65 lin. m/row



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

APPLICATIONS

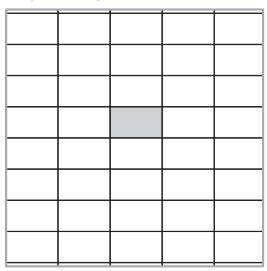
Pedestrian traffic, patios and swimming pool decks.

The Blu Grande slab cannot be used for driveways.

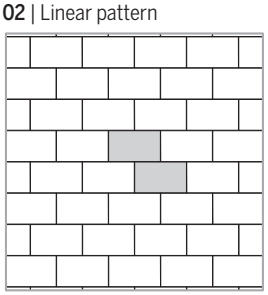
NOTES

See page 160 for more technical information.

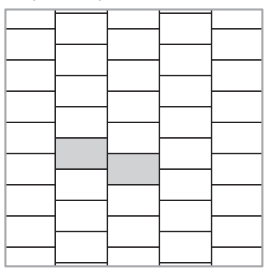
01 | Linear pattern



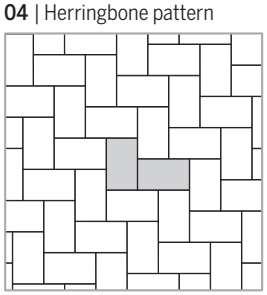
02 | Linear pattern



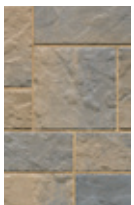
03 | Linear pattern



04 | Herringbone pattern

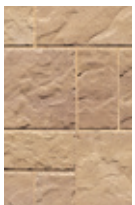


sandlewood



shale grey

mojave beige



champlain grey

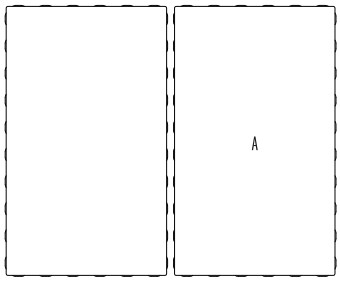
harvest gold

chestnut brown

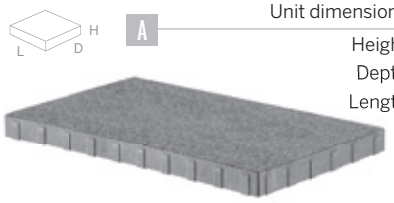
Blu Grande
Smooth

DESCRIPTION: Slab
TEXTURE: Smooth

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
Cubing		**96.71 ft²**	8.98 m²
Weight		2 720 lbs	1 234 kg
Number of rows		11	
Coverage per row		8.79 ft²/row	0.82 m²/row
Linear coverage per row	Depth	3.25 lin. ft/row	0.99 lin. m/row
	Length	5.41 lin. ft/row	1.65 lin. m/row



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

APPLICATIONS

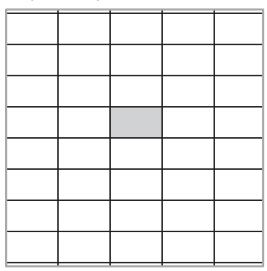
Pedestrian traffic, patios and swimming pool decks.

The Blu Grande slab cannot be used for driveways.

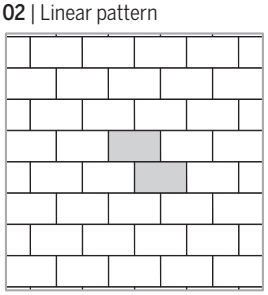
NOTES

See page 160 for more technical information.

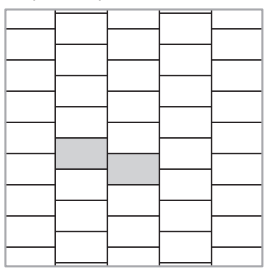
01 | Linear pattern



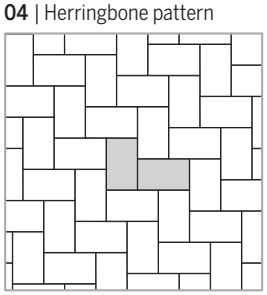
02 | Linear pattern



03 | Linear pattern



04 | Herringbone pattern



shale grey | chestnut brown | champlain grey | onyx black | greyed nickel | beige cream

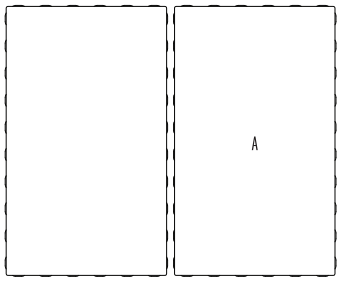
Blu Grande

Polished or Galaxy

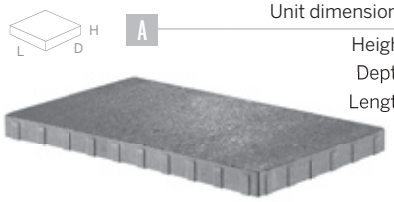
DESCRIPTION: Slab
TEXTURE: Polished or Galaxy

SLABS

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
Cubing		**96.71 ft²**	8.98 m²
Weight		2 525 lbs	1 145 kg
Number of rows		11	
Coverage per row		8.79 ft²/row	0.82 m²/row
Linear coverage per row	Depth	3.25 lin ft/row	0.99 lin m/row
	Length	5.41 lin ft/row	1.65 lin m/row



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

APPLICATIONS

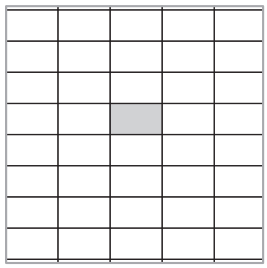
Pedestrian traffic, patios and swimming pool decks.

The Blu Grande slab cannot be used for driveways.

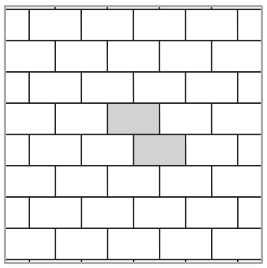
NOTES

See page 160 for more technical information.

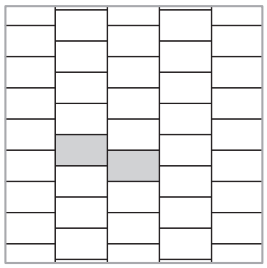
01 | Linear pattern



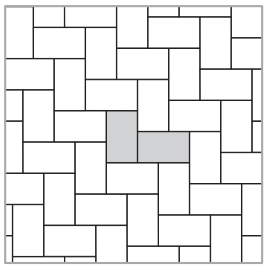
02 | Linear pattern



03 | Linear pattern

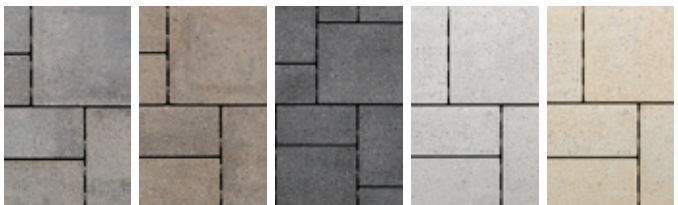


04 | Herringbone pattern



POLISHED

shale grey | chestnut brown | onyx black | greyed nickel | beige cream



NEW TEXTURE

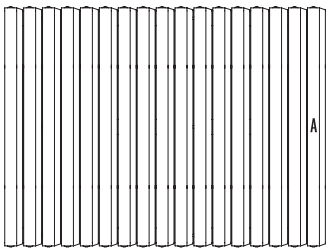
GALAXY

greyed nickel | beige cream

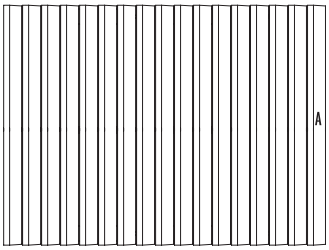
Borealis

DESCRIPTION: Slab
TEXTURE: Wood

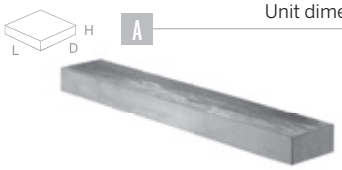
PALLET OVERVIEW - 5×30



PALLET OVERVIEW - 10×30

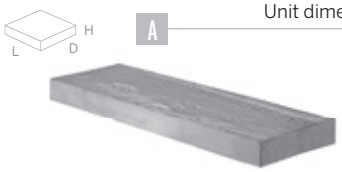


Specifications per pallet		Imperial	Metric
5"×30"	Cubing	**68 units**	68 units
		70.83 ft²	6.58 m²
	Units	1.04 ft²	0.10 m²
	Weight	1 885 lbs	855 kg
	Number of rows	4	
	Coverage per row	17.71 ft²/row	1.65 m²/row
	Linear coverage per row — Depth	7.08 lin. ft/row	2.16 lin. m/row
	Linear coverage per row — Length	42.5 lin. ft/row	12.96 lin. m/row



Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	68 units
Depth	5	127	
Length	30	762	

Specifications per pallet		Imperial	Metric
10"×30"	Cubing	**34 units**	34 units
		70.83 ft²	6.58 m²
	Weight	1 920 lbs	871 kg
	Units	2.08 ft²	0.19 m²
	Number of rows	2	
	Coverage per row	35.42 ft²/row	3.29 m²/row
	Linear coverage per row — Depth	42.5 lin. ft/row	12.95 lin. m/row
	Linear coverage per row — Length	14.2 lin. ft/row	4.33 lin. m/row



Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	34 units
Depth	10	254	
Length	30	762	

APPLICATIONS

Pedestrian traffic, patios and swimming pool decks.

The Borealis slabs cannot be used for driveways.

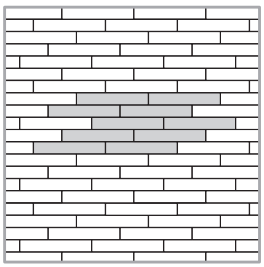
NOTES

Palletized upright.

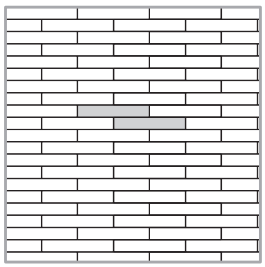
* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 160 for more technical information.

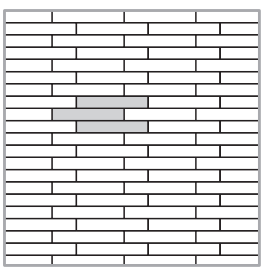
01 | Linear pattern



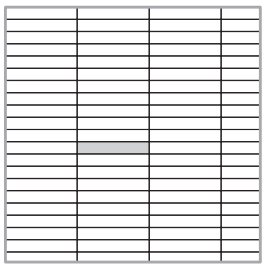
02 | Linear pattern



03 | Linear pattern



04 | Linear pattern



smoked pine

hazelnut brandy

sauvignon oak

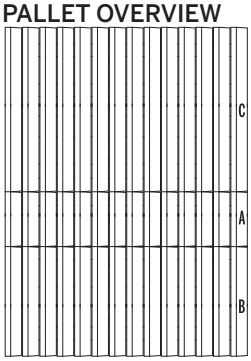
TONE DISTRIBUTION
HIGH

Inca

DESCRIPTION: Slab
TEXTURE: Natural stone (slate)

SLABS

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
Cubing		**66.50 ft²**	6.18 m²
Weight		1 640 lbs	744 kg
Number of rows		1	
Coverage per unit	A	0.78 ft²/unit	0.07 m²/unit
	B	1.56 ft²/unit	0.14 m²/unit
	C	2.34 ft²/unit	0.22 m²/unit
Linear coverage per row		52.5 lin. ft/row	16 lin. m/row

	Unit dimensions	in	mm	Units/pallet
A	Height	2	51	14 units
	Depth	15	381	
	Length	7 ½	191	
B	Height	2	51	14 units
	Depth	15	381	
	Length	15	381	
C	Height	2	51	14 units
	Depth	15	381	
	Length	22 ½	572	

APPLICATIONS

Pedestrian traffic, patios and swimming pool decks.

The Inca slabs cannot be used for driveways.

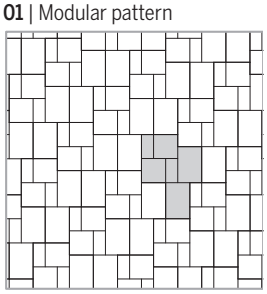
NOTES

Palletized upright.

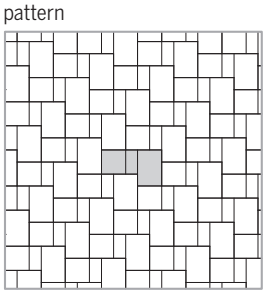
* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 160 for more technical information.

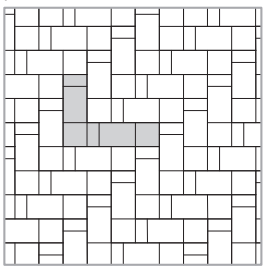
01 | Modular pattern



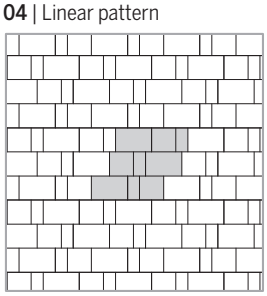
02 | Modified Herringbone pattern



03 | Modified Herringbone pattern



04 | Linear pattern



victoria

riviera

baja beige

coral sands

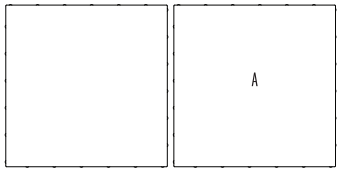
TONE DISTRIBUTION
MEDIUM

Industria
600 Series

DESCRIPTION: Slab
TEXTURE: Smooth, Granitex or Polished

SLABS

PALLET OVERVIEW



APPLICATIONS

EXPANDING DESIGN HORIZONS WITH LIVEABLE ROOFTOPS.

COOL ROOF
High Solar Reflectivity

CONCRETE PRODUCT WITH SUPERIOR STRUCTURAL PROPERTIES
Exceeds ASTM C1491 and CSA 231.1 standards.

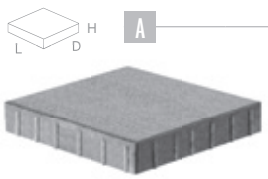
LENGTHENS ROOF LIFE SPAN
Protects the waterproofing membrane from UV rays and accidental perforations.

EASY ACCESS FOR MAINTENANCE
When installed on pedestals, INDUSTRIA slab can be moved for roof system maintenance.

NOTES

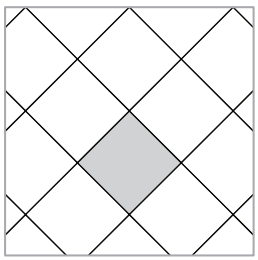
See page 160 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**54.25 ft²**	5.04 m²
Weight	1 555 lbs	705 kg
Number of rows	7	
Coverage per row	7.75 ft²/row	0.72 m²/row
Linear coverage per row	3.94 lin. ft/row	1.20 lin. m/row

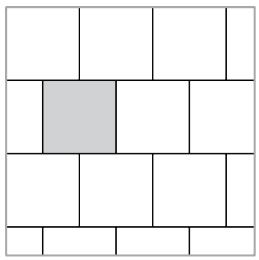


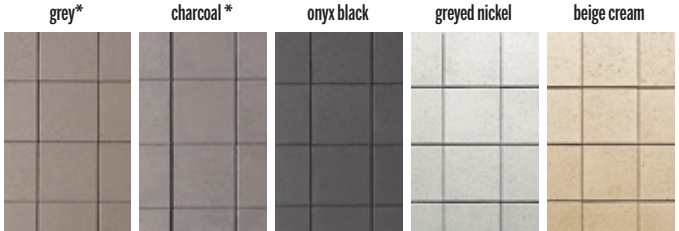
Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	14 units
Depth	23 5/8	600	
Length	23 5/8	600	

01 | Linear pattern
100% - 600x600



02 | Linear pattern
100% - 600x600



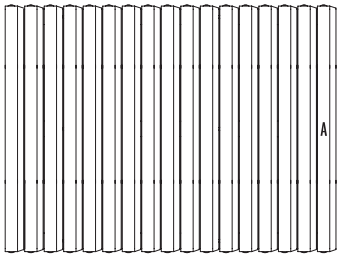


*grey & charcoal: min. pre-order of 1000 ft²

Maya
Slab

DESCRIPTION: Slab
TEXTURE: Natural stone (slate)

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**17 units**	17 units
Weight per pallet	1 565 lbs	710 kg
Weight by unit	89 lbs	41 kg
Number of rows	1	
Coverage per unit	4.95 ft²/unit	0.46 m²/unit
Linear coverage per pallet	84.15 ft²/pal	7.82 m²/pal

A-F

Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	17 units
Depth	23	584	
Length	31	788	

APPLICATIONS

Pedestrian traffic.

The Maya slabs cannot be used for driveways.

NOTES

Palletized upright.

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

Each pallet contains a variation of six different shapes.

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 160 for more technical information.

victoria

riviera

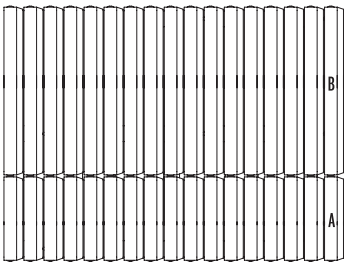
baja beige

TONE DISTRIBUTION **MEDIUM**

Monticello

DESCRIPTION: Slab
TEXTURE: Slate with chiseled edges

PALLET OVERVIEW



APPLICATIONS

Pedestrian traffic, patios and swimming pool decks.

The Monticello slabs cannot be used for driveways.

NOTES

Palletized upright.

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 160 for more technical information.

Specifications per pallet		Imperial	Metric
20"×10" - 20"×20"	Cubing	**70.83 ft²**	6.58 m²
	Weight	1 865 lbs	846 kg
	Number of rows	1	
	Coverage per unit A	1.39 ft²/unit	0.13 m²/unit
	Coverage per unit B	2.78 ft²/unit	0.26 m²/unit
	Linear coverage per row	42.5 lin. ft/row	12.95 lin. m/row

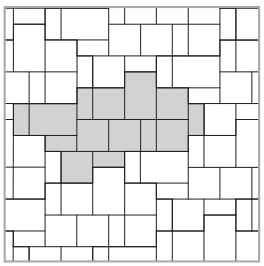
A

Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	17 units
Depth	20	508	
Length	10	254	

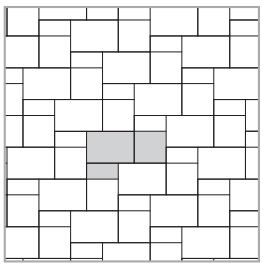
B

	in	mm	
Height	2 ¼	57	17 units
Depth	20	508	
Length	20	508	

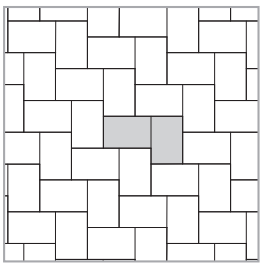
01 | Modular pattern
25% - 20"x30" | **75%** - 20"x20" & 20"x10"



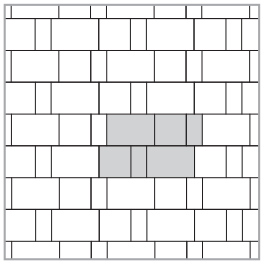
02 | Modified Herringbone pattern
50% - 20"x30" | **50%** - 20"x20" & 20"x10"



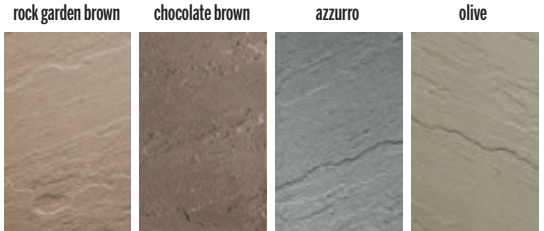
03 | Herringbone pattern
100% - 20"x30"



04 | Linear pattern
50% - 20"x30" | **50%** - 20"x20" & 20"x10"



rock garden brown | chocolate brown | azzurro | olive

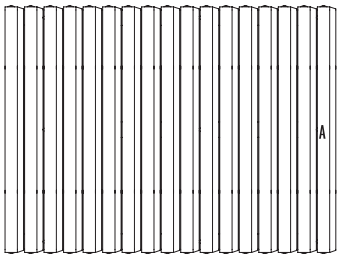


TONE DISTRIBUTION
HIGH

Monticello

DESCRIPTION: Slab
TEXTURE: Slate with chiseled edges

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
20"×30"	Cubing	**70.83 ft²**	6.58 m²
	Weight	1 870 lbs	848 kg
	Number of rows	1	
	Coverage per row	4.17 ft²/unit	0.39 m²/unit
	Linear coverage per row — Depth	28.3 lin. ft/row	8.63 lin. m/row
	Length	42.5 lin. ft/row	12.95 lin. m/row

Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	17 units
Depth	20	508	
Length	30	762	

APPLICATIONS

Pedestrian traffic, patios and swimming pool decks.

The Monticello slabs cannot be used for driveways.

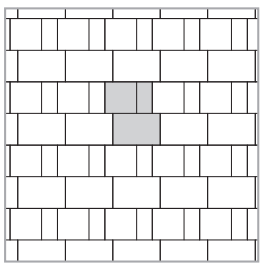
NOTES

Palletized upright.

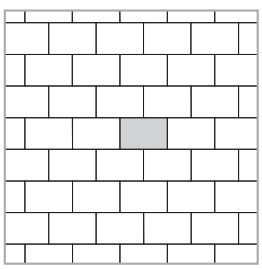
* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 160 for more technical information.

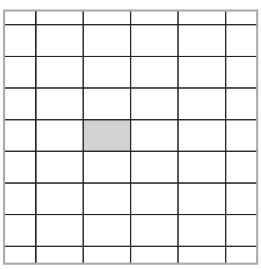
05 | Linear pattern
50% - 20" x 30" | **50%** - 20" x 20" & 20" x 10"



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



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



rock garden brown

chocolate brown

azzurro

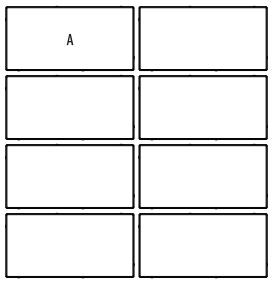
olive

TONE DISTRIBUTION
HIGH

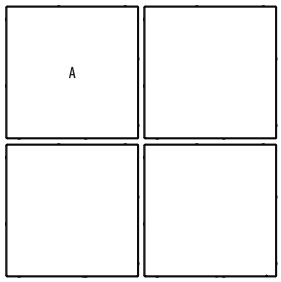
Para

DESCRIPTION: Slab
TEXTURE: Smooth

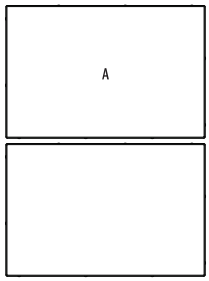
PALLET OVERVIEW - 500 × 250



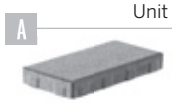
PALLET OVERVIEW - 500 × 500



PALLET OVERVIEW - 500 × 750

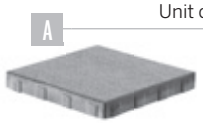


Specifications per pallet 500 × 250		Imperial	Metric
Cubing		**118.40 ft²**	11 m²
Weight		3 400 lbs	1 542 kg
Number of rows		11	
Linear coverage per row	Depth	13.12 lin. ft/row	4 lin. m/row
	Length	6.56 lin. ft/row	2 lin. m/row
Coverage per row		10.76 ft²/row	1 m²/row



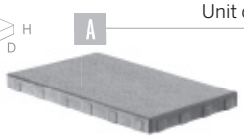
Unit dimensions	in	mm	Units / pallet
Height	2 3/8	60	88 units
Depth	19 11/16	500	
Length	9 13/16	250	

Specifications per pallet 500 × 500		Imperial	Metric
Cubing		**118.40 ft²**	11 m²
Weight		3 360 lb	1 524 kg
Number of rows		11	
Linear coverage per row		6.56 lin. ft/row	2 lin. m/row
Coverage per row		10.76 ft²/row	1 m²/row



Unit dimensions	in	mm	Units / pallet
Height	2 3/8	60	44 units
Depth	19 11/16	500	
Length	19 11/16	500	

Specifications per pallet 500 × 750		Imperial	Metric
Cubing		**88.40 ft²**	8.25 m²
Weight		2 523 lbs	1 144 kg
Number of rows		11	
Linear coverage per row	Depth	3.28 lin. ft/row	1 lin. m/row
	Length	4.92 lin. ft/row	1.50 lin. m/row
Coverage per row		8.07 ft²/row	0.75 m²/row



Unit dimensions	in	mm	Units / pallet
Height	2 3/8	60	22 units
Depth	19 11/16	500	
Length	29 1/2	750	

APPLICATIONS

edestrian traffic, patios and swimming pool decks.

The Para slabs cannot be used for driveways.

NOTES

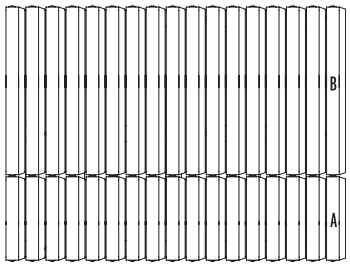
See page 160 for more technical information.

onyx black | greyed nickel | beige cream

Travertina

DESCRIPTION: Slab
TEXTURE: Travertine

PALLET OVERVIEW - 20"×20" AND 20"×10"



Specifications per pallet		Imperial	Metric
20"×20" - 20"×10"	Cubing	70.89 ft²	6.59 m²
	Weight	1 863 lbs	845 kg
	Number of rows	1	
	Coverage per unit A	1.39 ft²/unit	0.13 m²/unit
	Coverage per unit B	2.78 ft²/unit	0.26 m²/unit
	Linear coverage per row	42.5 lin. ft/row	12.95 lin. m/row

A	Unit dimensions	in	mm	Units/pallet
	Height	2 ¼	57	17 units
	Depth	20	508	
	Length	10	254	

B	Unit dimensions	in	mm	Units/pallet
	Height	2 ¼	57	17 units
	Depth	20	508	
	Length	20	508	

APPLICATIONS

Pedestrian traffic, patios and swimming pool decks.

The Travertina slabs cannot be used for driveways.

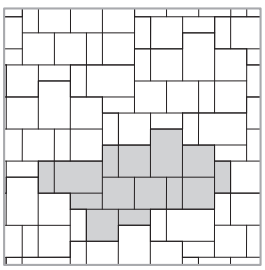
NOTES

Palletized upright.

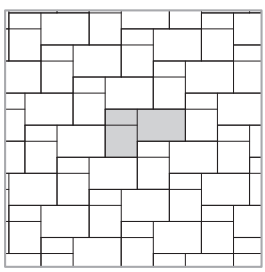
* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 160 for more technical information.

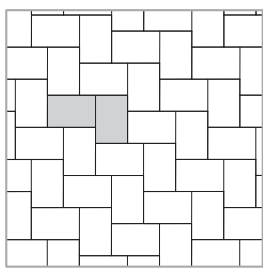
01 | Modular pattern
25% - 20"x30" | **75%** - 20"x20" & 20"x10"



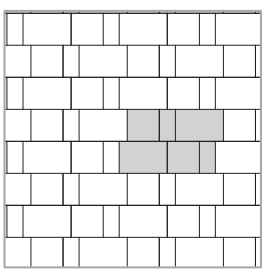
02 | Modified Herringbone pattern
50% - 20"x30" | **50%** - 20"x20" & 20"x10"



03 | Herringbone pattern
100% - 20"x30"



04 | Linear pattern
50% - 20"x30" | **50%** - 20"x20" & 20"x10"



riviera

rock garden brown

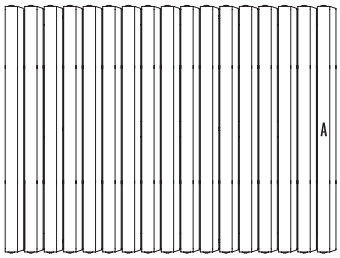
ivory

TONE DISTRIBUTION
HIGH

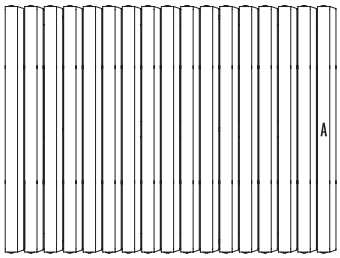
Travertina

DESCRIPTION: Slab
TEXTURE: Travertine

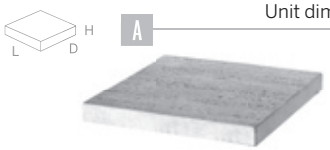
PALLET OVERVIEW - 20"×30"



PALLET OVERVIEW - 30"×30"

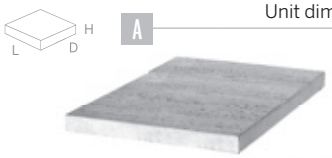


Specifications per pallet		Imperial	Metric
20"×30"	Cubing	**70.89 ft²**	6.59 m²
	Weight	1 830 lbs	830 kg
	Number of rows	1	
	Coverage per row	4.17 ft²/unit	0.39 m²/unit
	Linear coverage per row Depth	28.3 lin. ft/row	8.63 lin. m/row
	Length	42.5 lin. ft/row	12.95 lin. m/row



Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	17 units
Depth	20	508	
Length	30	762	

Specifications per pallet		Imperial	Metric
30"×30"	Cubing	**106.25 ft²**	9.87 m²
	Weight	2 782 lbs	1 262 kg
	Number of rows	1	
	Coverage per row	6.25 ft²/unit	0.58 m²/unit
	Linear coverage per row	42.5 lin. ft/row	12.95 lin. m/row



Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	17 units
Depth	30	762	
Length	30	762	

APPLICATIONS

Pedestrian traffic, patios and swimming pool decks.

The Travertina slabs cannot be used for driveways.

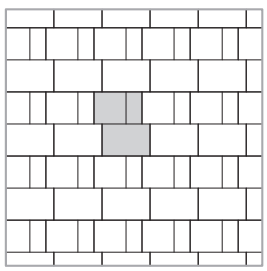
NOTES

Palletized upright.

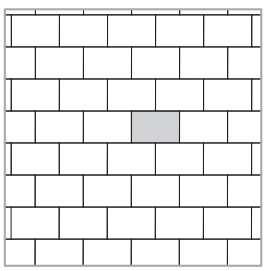
* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 160 for more technical information.

05 | Linear pattern
50% - 20"x30" | **50%** - 20"x20" & 20"x10"



06 | Linear pattern
100% - 20"x30"



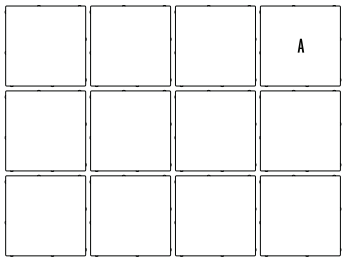
riviera | rock garden brown | ivory

TONE DISTRIBUTION
HIGH

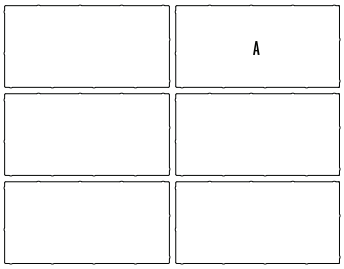
Tux

DESCRIPTION: Slab
TEXTURE: Smooth

PALLET OVERVIEW - 12"×12"



PALLET OVERVIEW - 12"×24"



APPLICATIONS

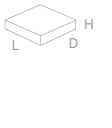
Pedestrian traffic, patios and swimming pool decks.

The Tux slabs cannot be used for driveways.

NOTES

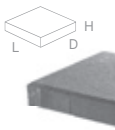
See page 160 for more technical information.

Specifications per pallet		Imperial	Metric
12"×12"	Cubing	**132 units**	132 units
	Weight	3 600 lbs	1 633 kg
	Number of rows	11	
	Coverage per row	11.63 ft²/row	1.08 m²/row
	Linear coverage per pallet	127.88 ft²	11.88 m²
	Linear coverage per row	11.81 lin. ft/row	3.60 lin. m/row



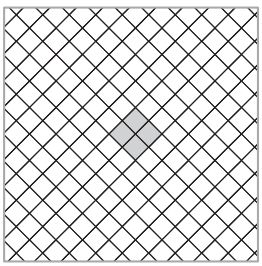
Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	132 units
Depth	11 13/16	300	
Length	11 13/16	300	

Specifications per pallet		Imperial	Metric
12"×24"	Cubing	**60 units**	60 units
	Weight	3 747 lbs	1 700 kg
	Number of rows	10	
	Coverage per row	11.63 ft²/row	1.08 m²/row
	Linear coverage per pallet	116.25 ft²	10.80 m²
	Linear coverage per row - Depth	5.91 lin. ft/row	1.80 lin. m/row
	Linear coverage per row - Length	11.81 lin. ft/row	3.60 lin. m/row

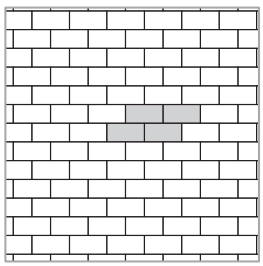


Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	60 units
Depth	11 13/16	300	
Length	23 5/8	600	

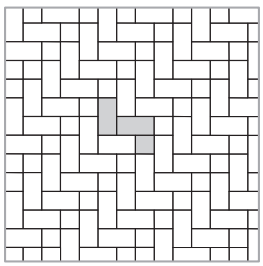
01 | Linear pattern
100 % - 12" x 12"



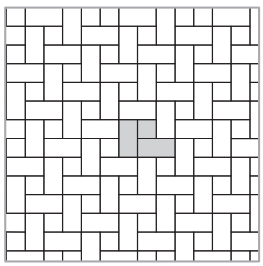
02 | Linear pattern
100 % - 12" x 24"



03 | Modified Herringbone pattern
80 % - 12" x 24" | **20 %** - 12" x 12"



04 | Modified Herringbone pattern
80 % - 12" x 24" | **20 %** - 12" x 12"



onyx black

greyed nickel

beige cream

PAVERS

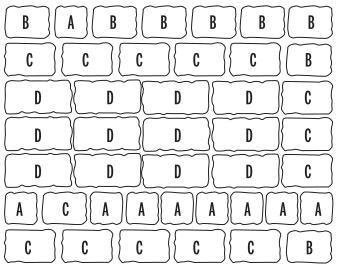
DRIVEWAYS, PERMEABLE DRIVEWAYS & PATIOS

Allegro

DESCRIPTION: Paver
TEXTURE: Undulated and aged

PATENT 2,214,295

PALLET OVERVIEW



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.

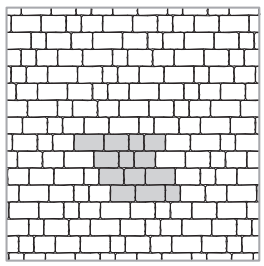
NOTES

See page 150 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**129.80 ft²**	12.06 m²
Weight	3 573 lbs	1 621 kg
Number of rows	11	
Coverage per row	11.80 ft²/row	1.10 m²/row
Linear coverage per row	26.64 lin. ft/row	8.12 lin. m/row

	Unit dimensions	in	mm	Units/pallet
A	Height	2 3/8	60	99 units
	Depth	5 5/16	135	
	Length	4 11/16	119	
B	Height	2 3/8	60	88 units
	Depth	5 5/16	135	
	Length	6 11/16	170	
C	Height	2 3/8	60	154 units
	Depth	5 5/16	135	
	Length	7 13/16	198	
D	Height	2 3/8	60	132 units
	Depth	5 5/16	135	
	Length	9 3/8	238	

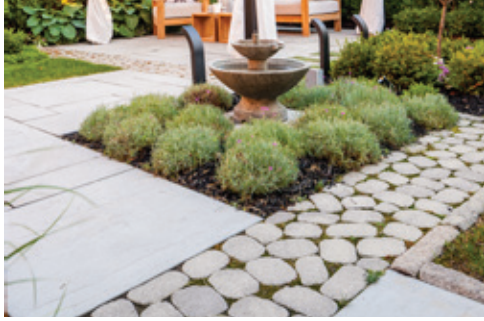
01 | Linear pattern



sandlewood | shale grey | mojave beige | champlain grey | harvest gold | chestnut brown | autumn red

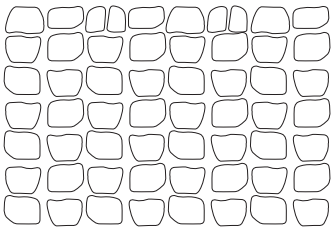
Antika

DESCRIPTION: Paver
TEXTURE: Smooth and aged



PAVERS

PALLET OVERVIEW



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.

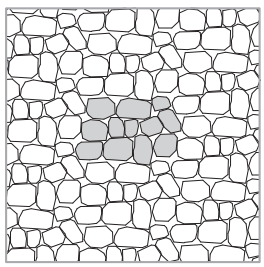
NOTES

See page 150 for more technical information and page 156 when used as a permeable application.

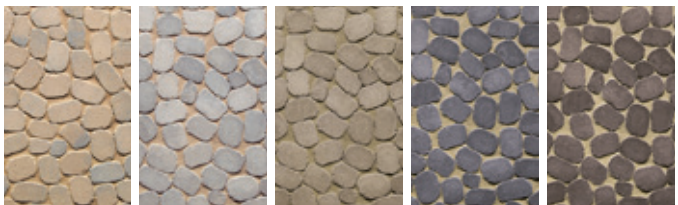
Specifications per pallet	Imperial	Metric
Cubing	**87 ft²**	8.10 m²
Weight	2 183 lbs	990 kg
Number of rows	9	
Coverage per row	9.67 ft²/row	0.90 m²/row

		Unit dimensions	in	mm	Units/pallet
A		Height	2 3/8	60	
		Depth	-	-	
		Length	-	-	
B		Height	2 3/8	60	
		Depth	-	-	
		Length	-	-	
C		Height	2 3/8	60	
		Depth	-	-	
		Length	-	-	
D		Height	2 3/8	60	
		Depth	-	-	
		Length	-	-	
E		Height	2 3/8	60	
		Depth	-	-	
		Length	-	-	
F		Height	2 3/8	60	
		Depth	-	-	
		Length	-	-	
G		Height	2 3/8	60	
		Depth	-	-	
		Length	-	-	

01 | Random pattern



sandlewood | shale grey | chestnut brown | onyx black | chocolate brown

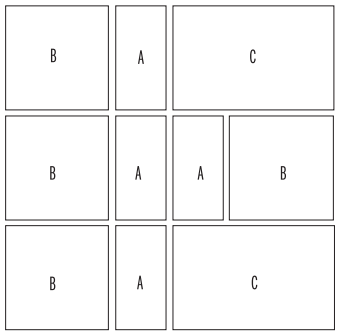


Blu

80 mm, Slate

DESCRIPTION: Paver
TEXTURE: Slate

PALLET OVERVIEW



APPLICATIONS

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

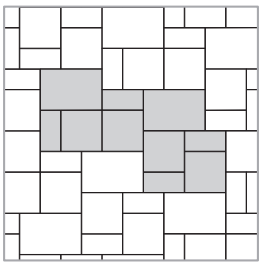
NOTES

See page 150 for more technical information.

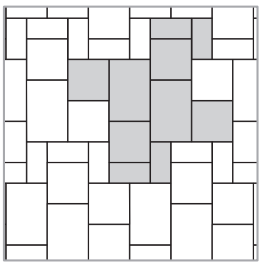
Specifications per pallet	Imperial	Metric
Cubing	**84.96 ft²**	7.90 m²
Weight	3 167 lbs	1 437 kg
Number of rows	8	
Coverage per row	10.62 ft²/row	0.99 m²/row
Linear coverage per row	9.75 lin. ft/row	2.97 lin. m/row

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

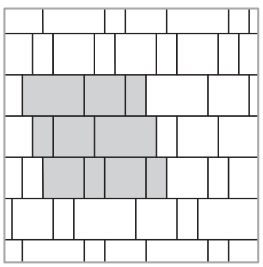
01 | Modular pattern



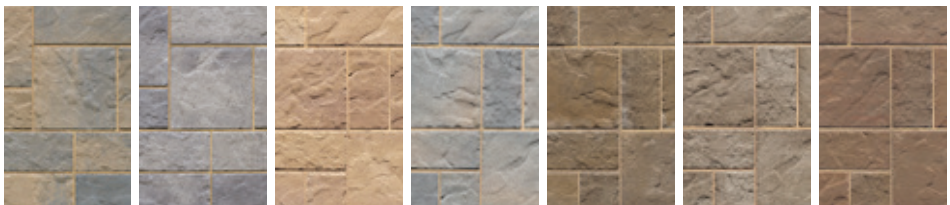
02 | Modular pattern



03 | Linear pattern



sandlewood | shale grey | mojave beige | champlain grey | harvest gold | chestnut brown | autumn red

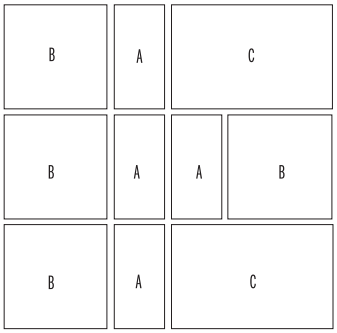


Blu

80 mm, Smooth

DESCRIPTION: Paver
TEXTURE: Smooth

PALLET OVERVIEW



APPLICATIONS

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

NOTES

See page 150 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**84.96 ft²**	7.90 m²
Weight	3 152 lbs	1 430 kg
Number of rows	8	
Coverage per row	10.62 ft²/row	0.99 m²/row
Linear coverage per row	9.75 lin. ft/row	2.97 lin. m/row

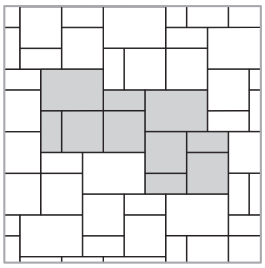
A

B

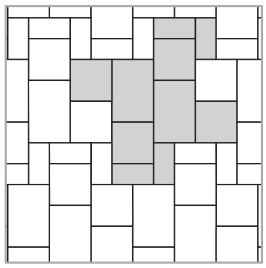
C

Unit dimensions	in	mm	Units/pallet
A			
Height	3 ⅛	80	32 units
Depth	13	330	
Length	6 ½	165	
B			
Height	3 ⅛	80	32 units
Depth	13	330	
Length	13	330	
C			
Height	3 ⅛	80	16 units
Depth	13	330	
Length	19 ½	495	

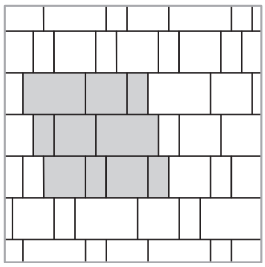
01 | Modular pattern



02 | Modular pattern



03 | Linear pattern



shale grey

chestnut brown

champlain grey

onyx black

greyed nickel

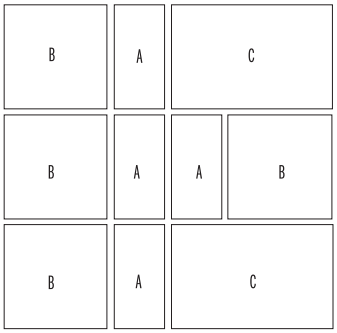
beige cream

Blu

80 mm, Polished or Galaxy

DESCRIPTION: Paver
TEXTURE: Polished or Galaxy

PALLET OVERVIEW



APPLICATIONS

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

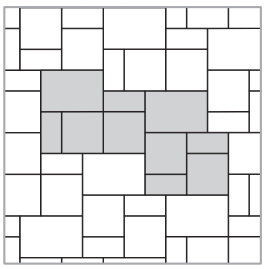
NOTES

See page 150 for more technical information.

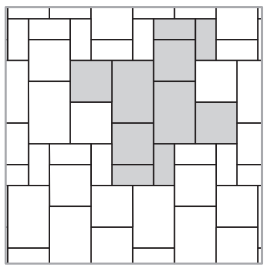
Specifications per pallet	Imperial	Metric
Cubing	**84.96 ft²**	7.90 m²
Weight	3 042 lbs	1 380 kg
Number of rows	8	
Coverage per row	10.62 ft²/row	0.99 m²/row
Linear coverage per row	9.75 lin. ft/row	2.97 lin. m/row

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

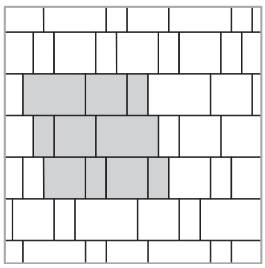
01 | Modular pattern



02 | Modular pattern



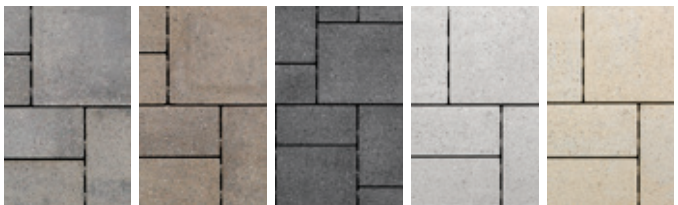
03 | Linear pattern



NEW PRODUCT

POLISHED

shale grey | chestnut brown | onyx black | greyed nickel | beige cream



GALAXY

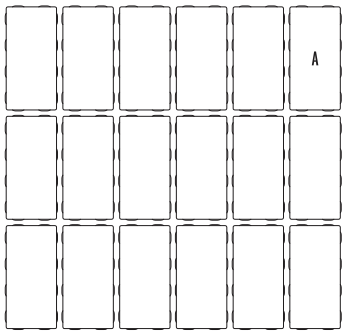
greyed nickel | beige cream

Blu

80 mm (6"×13"), Slate

DESCRIPTION: Paver
TEXTURE: Slate

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
Cubing		**84.40 ft²**	7.84 m²
Weight		3 133 lbs	1 421 kg
Number of rows		8	
Coverage per row		10.55 ft²/row	0.98 m²/row
Linear coverage per row	Depth	19.49 lin. ft/row	5.94 lin. m/row
	Length	9.74 lin. ft/row	2.97 lin. m/row

A

Unit dimensions	in	mm	Units/pallet
Height	3 1/8	80	144 units
Depth	13	330	
Length	6 1/2	165	

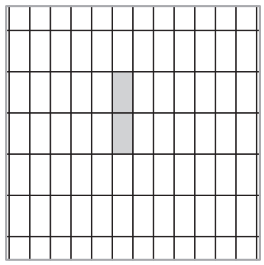
APPLICATIONS

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

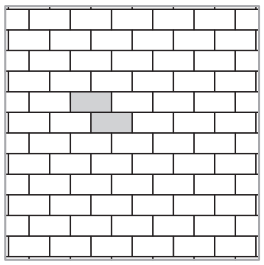
NOTES

See page 150 for more technical information.

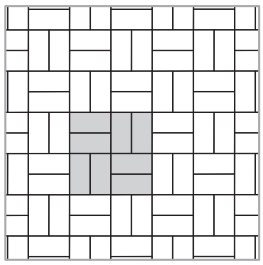
01 | Linear pattern



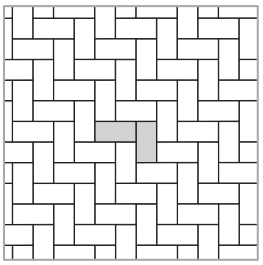
02 | Linear pattern



03 | Parquet pattern



04 | Herringbone pattern



sandlewood

shale grey

mojave beige

champlain grey

harvest gold

chestnut brown

chocolate brown

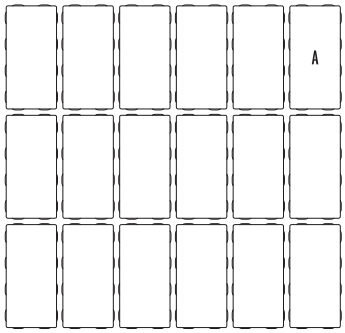
onyx black

Blu

80 mm (6"×13"), Smooth

DESCRIPTION: Paver
TEXTURE: Smooth

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
Cubing		**84.40 ft²**	7.84 m²
Weight		3 138 lbs	1 423 kg
Number of rows		8	
Coverage per row		10.55 ft²/row	0.98 m²/row
Linear coverage per row	Depth	19.49 lin. ft/row	5.94 lin. m/row
	Length	9.74 lin. ft/row	2.97 lin. m/row

A

Unit dimensions	in	mm	Units/pallet
Height	3 1/8	80	144 units
Depth	13	330	
Length	6 1/2	165	

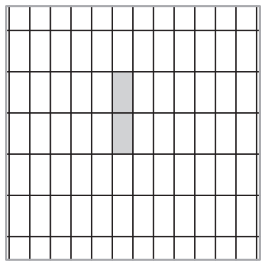
APPLICATIONS

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

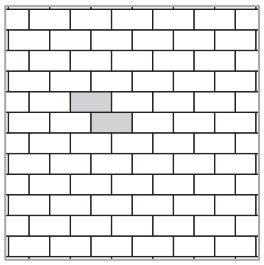
NOTES

See page 150 for more technical information.

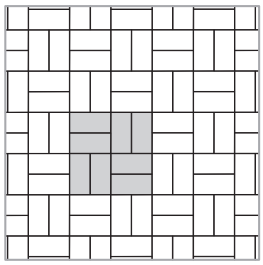
01 | Linear pattern



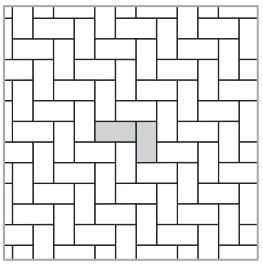
02 | Linear pattern



03 | Parquet pattern



04 | Herringbone pattern

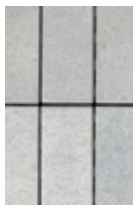


shale grey

champlain grey

chestnut brown

greyed nickel



beige cream

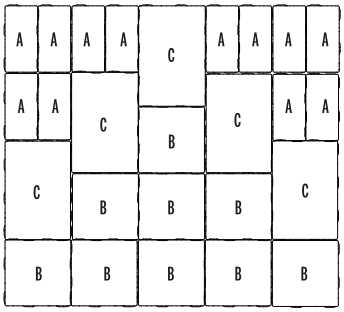
onyx black*

chocolate brown*

Eva

DESCRIPTION: Paver
TEXTURE: Slate

PALLET OVERVIEW



APPLICATIONS

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

NOTES

See page 150 for more technical information.

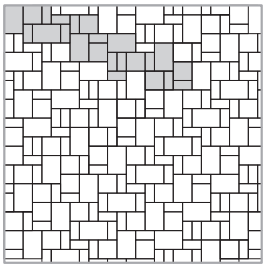
Specifications per pallet	Imperial	Metric
Cubing	**132.48 ft²**	12.31 m²
Weight	3 800 lbs	1 724 kg
Number of rows	11	
Coverage per row	12.04 ft²/row	1.12 m²/row
Linear coverage per row	16.46 lin. ft/row	5.02 lin. m/row

A	Unit dimensions	in	mm	Units/pallet
	Height	2 3/8	60	132 units
	Depth	8 3/4	223	
	Length	4 3/8	112	

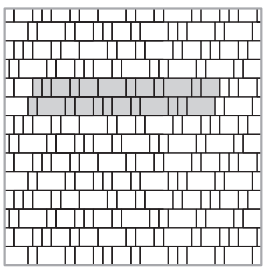
B				
	Height	2 3/8	60	99 units
	Depth	8 3/4	223	
	Length	8 3/4	223	

C				
	Height	2 3/8	60	55 units
	Depth	8 3/4	223	
	Length	13 3/16	335	

01 | Modular pattern



02 | Linear pattern



sandlewood

shale grey

mojave beige

champlain grey

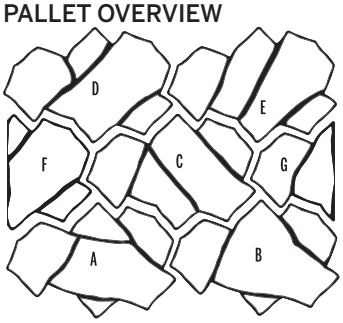
harvest gold

chestnut brown

Flagstone

DESCRIPTION: Paver
TEXTURE: Slate

PALLET OVERVIEW



APPLICATIONS

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

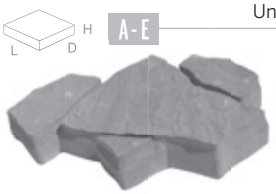
The Flagstone paving stone can easily adorn the interior of a circle.

NOTES

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

See page 150 for more technical information.

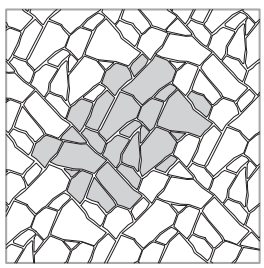
Specifications per pallet	Imperial	Metric
Cubing	**81.60 ft²**	7.58 m²
Weight	3 020 lbs	1 370 kg
Number of rows	8	
Coverage per row	10.20 ft²/row	0.95 m²/row

A-E	Unit dimensions	in	mm	Units/pallet
	Height	3 1/8	80	40 units
	Depth	16 3/16	411	
	Length	23 11/16	602	

F				
	Height	3 1/8	80	8 units
	Depth	16 3/16	411	
	Length	11 7/8	301	

G				
	Height	3 1/8	80	8 units
	Depth	13 15/16	354	
	Length	11 7/8	301	

01 | Modular pattern



sandlewood

mojave beige

champlain grey

harvest gold

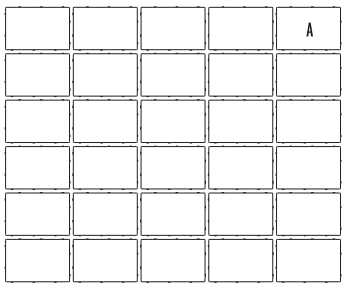
chestnut brown

Hera
Rectangle

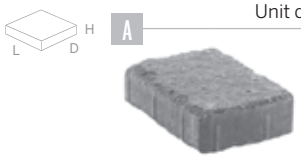
DESCRIPTION: Paver
TEXTURE: Undulated and aged

PAVERS

PALLET OVERVIEW



Specifications half-pallet*	Imperial	Metric
Cubing	**61 ft²**	5,67 m²
Weight	1 790 lbs	812 kg
Number of rows	5	
Coverage per row	12.20 ft²/row	1.13 m²/row
Linear Coverage per row - Depth	15.62 lin. ft/row	4.76 lin. m/row
Linear Coverage per row - length	23.54 lin. ft/row	7.17 lin. m/row



Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	150 units
Depth	6 1/4	158	2.47 units/ft²
Length	9 3/8	238	26.50 units/m²

APPLICATIONS

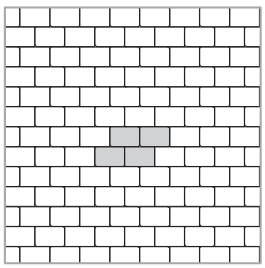
Pedestrian or light vehicular traffic, residential driveways, patios, borders and swimming pool decks.

NOTES

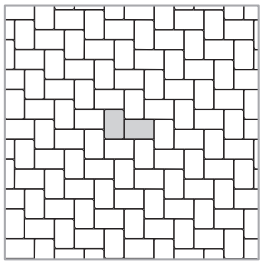
- Onyx black and chocolate brown are only available in half-pallet.

See page 150 for more technical information.

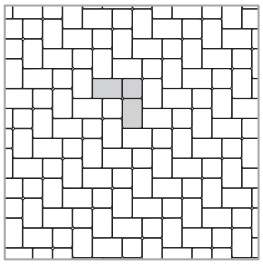
01 | Linear pattern
100% rectangle



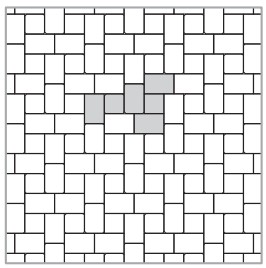
02 | Herringbone pattern
100% rectangle



03 | Modified Herringbone pattern
75% rectangle | **25%** square



04 | Modular pattern
75% rectangle | **25%** square



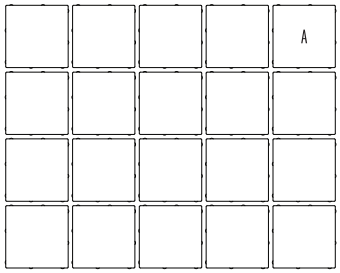
onyx black *

chocolate brown *

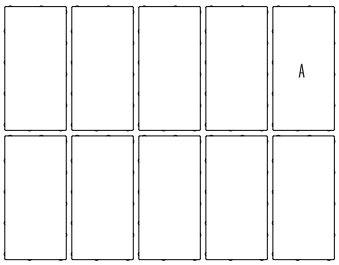
Industria
200 Series

DESCRIPTION: Paver
TEXTURE: Smooth, Granitex or Polished

PALLET OVERVIEW - 200×200



PALLET OVERVIEW - 200×400



Specifications per pallet		Imperial	Metric
200×200	Cubing	**60.28 ft²**	5.60 m²
	Weight	2 848 lbs	1 292 kg
	Number of rows	7	
	Coverage per row	8.61 ft²/row	0.80 m²/row
	Linear coverage per row	13.12 lin. ft/row	4 lin. m/row

A

Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	140 units
Depth	7 7/8	200	
Length	7 7/8	200	

Specifications per pallet		Imperial	Metric
200×400	Cubing	**60.28 ft²**	5.60 m²
	Weight	2 848 lbs	1 292 kg
	Number of rows	7	
	Coverage per row	8.61 ft²/row	0.80 m²/row
	Linear coverage per row — Depth	6.56 lin. ft/row	2 lin. m/row
	Linear coverage per row — Length	13.12 lin. ft/row	4 lin. m/row

A

Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	70 units
Depth	7 7/8	200	
Length	15 3/4	400	

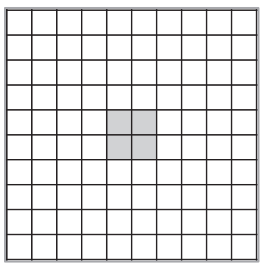
APPLICATIONS

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.

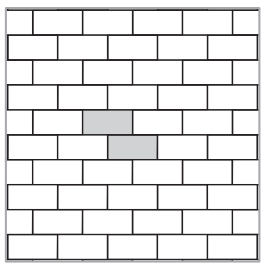
NOTES

See page 150 for more technical information.

01 | Linear pattern
100% 200×200



02 | Linear pattern
100% 200×400



grey*

charcoal *

onyx black

greyed nickel

beige cream

*grey & charcoal: min. pre-order of 1000 ft²

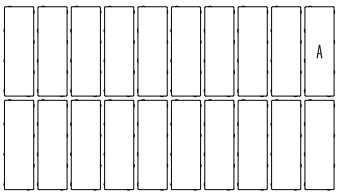
Industria

300 Series

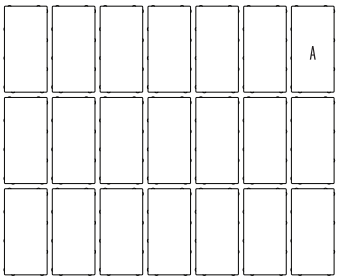
DESCRIPTION: Paver
TEXTURE: Smooth, Granitex or Polished

PAVERS

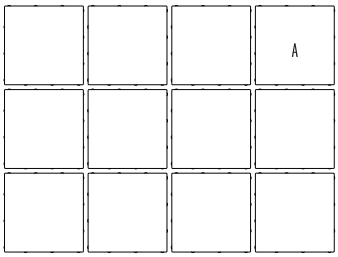
PALLET OVERVIEW - 300×100



PALLET OVERVIEW - 300×150



PALLET OVERVIEW - 300×300



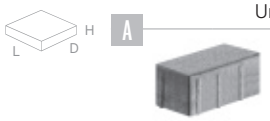
APPLICATIONS

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

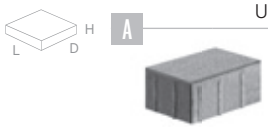
See page 150 for more technical information.

Specifications per pallet 300×100		Imperial	Metric
Cubing		**45.21 ft²**	4.20 m²
Weight		2 145 lbs	973 kg
Number of rows		7	
Coverage per row		6.46 ft²/row	0.60 m²/row
Linear coverage per row	Depth	19.69 lin. ft/row	6 lin. m/row
	Length	6.56 lin. ft/row	2 lin. m/row



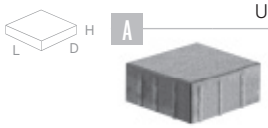
Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	140 units
Depth	11 13/16	300	
Length	3 15/16	100	

Specifications per pallet 300×150		Imperial	Metric
Cubing		**71.20 ft²**	6.62 m²
Weight		3 357 lbs	1 523 kg
Number of rows		7	
Coverage per row		10.17 ft²/row	0.95 m²/row
Linear coverage per row	Depth	20.67 lin. ft/row	6.30 lin. m/row
	Length	10.33 lin. ft/row	3.15 lin. m/row



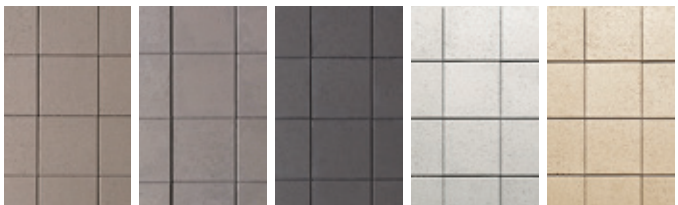
Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	147 units
Depth	11 13/16	300	
Length	5 7/8	150	

Specifications per pallet 300×300		Imperial	Metric
Cubing		**81.38 ft²**	7.56 m²
Weight		3 832 lbs	1 738 kg
Number of rows		7	
Coverage per row		11.63 ft²/row	1.08 m²/row
Linear coverage per row		11.81 lin. ft/row	3.60 lin. m/row



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

grey* charcoal * onyx black greyed nickel beige cream



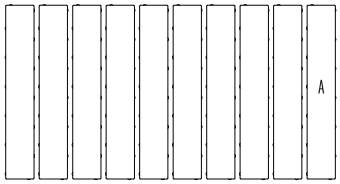
*grey & charcoal: min. pre-order of 1000 ft²

Industria
600 Series

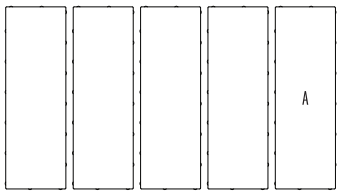
DESCRIPTION: Paver
TEXTURE: Smooth, Granitex or Polished

PAVERS

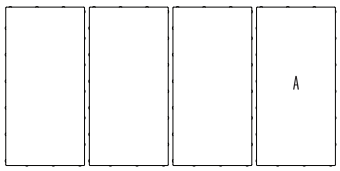
PALLET OVERVIEW - 600×100



PALLET OVERVIEW - 600×200



PALLET OVERVIEW - 600×300



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 150 for more technical information.

Specifications per pallet 600×100		Imperial	Metric
Cubing		**45.21 ft²**	4.20 m²
Weight		2 145 lbs	973 kg
Number of rows		7	
Coverage per row		6.46 ft²/row	0.60 m²/row
Linear coverage per row	Depth	19.69 lin. ft/row	6 lin. m/row
	Length	3.28 lin. ft/row	1 lin. m/row

A

Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	70 units
Depth	23 5/8	600	
Length	3 15/16	100	

Specifications per pallet 600×200		Imperial	Metric
Cubing		**45.21 ft²**	4.20 m²
Weight		2 145 lbs	973 kg
Number of rows		7	
Coverage per row		6.46 ft²/row	0.60 m²/row
Linear coverage per row	Depth	9.84 lin. ft/row	3 lin. m/row
	Length	3.28 lin. ft/row	1 lin. m/row

A

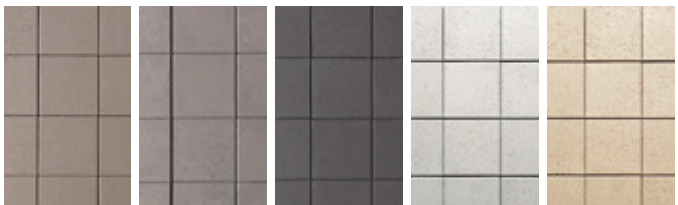
Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	35 units
Depth	23 5/8	600	
Length	7 7/8	200	

Specifications per pallet 600×300		Imperial	Metric
Cubing		**54.25 ft²**	5.04 m²
Weight		2 567 lbs	1 164 kg
Number of rows		7	
Coverage per row		7.75 ft²/row	0.72 m²/row
Linear coverage per row	Depth	7.87 lin. ft/row	2.40 lin. m/row
	Length	3.94 lin. ft/row	1.20 lin. m/row

A

Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	28 units
Depth	23 5/8	600	
Length	11 13/16	300	

grey* | charcoal * | onyx black | greyed nickel | beige cream



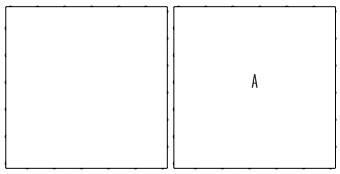
*grey & charcoal: min. pre-order of 1000 ft²

Industria
600 Series

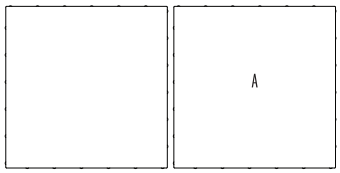
DESCRIPTION: Paver and Slab
TEXTURE: Smooth, Granitex or Polished

PAVERS

PALLET OVERVIEW - 600×600×100 PAVER



PALLET OVERVIEW - 600×600×60 SLAB



APPLICATIONS

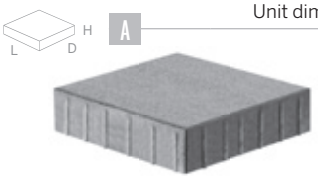
A contemporary paver, intended for commercial and municipal pedestrian use, Industria is available in a variety of sizes allowing for great design flexibility, giving each project an exclusive appearance.

NOTES

600×600×100 PAVER:
See page 150 for more technical information.

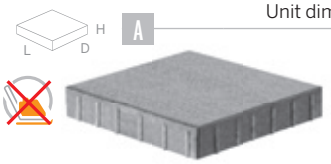
600×600×60 SLAB:
See page 160 for more technical information and installation details

Specifications per pallet		Imperial	Metric
PAVER 600×600×100	Cubing	**54.25 ft²**	5.04 m²
	Weight	2 551 lbs	1 157 kg
	Number of rows	7	
	Coverage per row	7.75 ft²/row	0.72 m²/row
	Linear coverage per row	3.94 lin. ft/row	1.20 lin. m/row



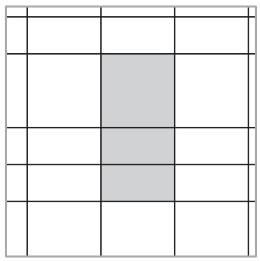
Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	14 units
Depth	23 5/8	600	
Length	23 5/8	600	

Specifications per pallet		Imperial	Metric
SLAB 60×600×600	Cubing	**54.25 ft²**	5.04 m²
	Weight	1 555 lbs	705 kg
	Number of rows	7	
	Coverage per row	7.75 ft²/row	0.72 m²/row
	Linear coverage per row	3.94 lin. ft/row	1.20 lin. m/row

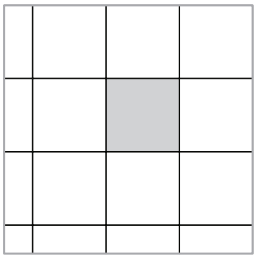


Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	14 units
Depth	23 5/8	600	
Length	23 5/8	600	

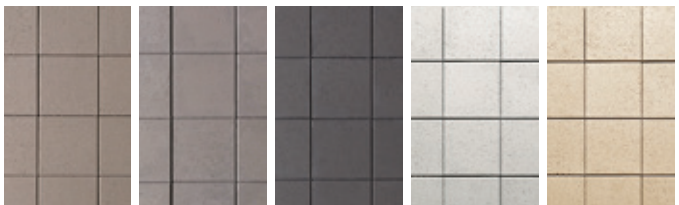
01 | Linear pattern
50% 600×300 | **50%** 600×300



02 | Linear pattern
100% - 600x600



grey* | charcoal * | onyx black | greyed nickel | beige cream

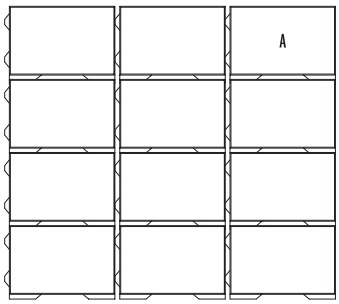


*grey & charcoal: min. pre-order of 1000 ft²

Inflo

DESCRIPTION: Paver
TEXTURE: Smooth

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**62 ft²**	5.76 m²
Weight	2 710 lbs	1 229 kg
Number of rows	8	
Coverage per row	7.75 ft²/row	0.72 m²/row
Linear coverage per row	11.80 lin. ft/row	3.60 lin. m/row
Void space	5.8%	
Joint Depth	1/2"	13 mm

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

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.

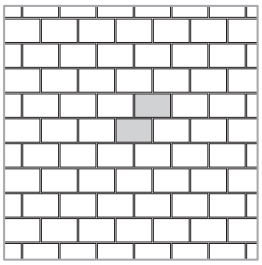
CHARACTERISTICS

- 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 150 for more technical information and page 156 when used as a permeable application.

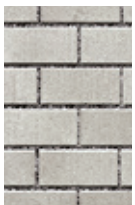
01 | Linear pattern



shale grey

chestnut brown

grey



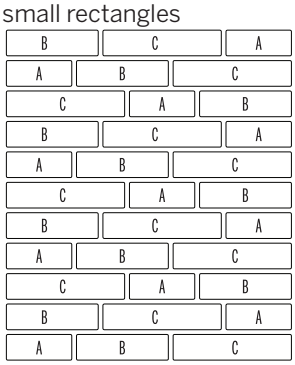
Linea

Small rectangles

DESCRIPTION: Paver
TEXTURE: Smooth

PALLET OVERVIEW

small rectangles



Specifications per pallet		Imperial	Metric
Cubing	**FULL PALLET**	**80.81 ft²**	7.51 m²
	***HALF-PALLET**	**46.18 ft²**	4.29 m²
Weight	**FULL PALLET**	3 629 lbs	1 646 kg
	***HALF-PALLET**	2 152 lbs	976 kg
Number of rows	**FULL PALLET**	7	
	***HALF-PALLET**	4	
Coverage per row		11.54 ft²/row	1.07 m²/row
Linear coverage per row		35.25 lin. ft/row	10.74 lin. m/row

A	Unit dimensions	in	mm	Units /pallet
	Height	3 15/16	100	77 units
	Depth	3 15/16	100	
	Length	8 7/8	225	

B				
	Height	3 15/16	100	77 units
	Depth	3 15/16	100	
	Length	12 13/16	325	

C				
	Height	3 15/16	100	77 units
	Depth	3 15/16	100	
	Length	16 3/4	425	

APPLICATIONS

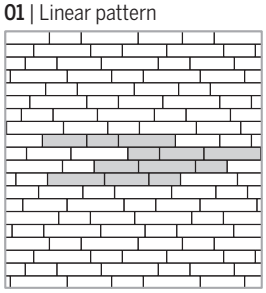
Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

NOTES

* Colours only available in half-pallets.

See page 150 for more technical information.

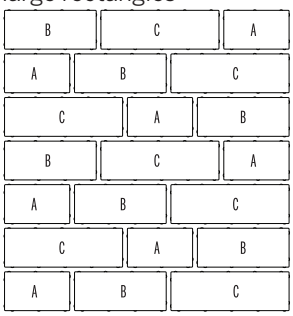
01 | Linear pattern



Linea
Large rectangles

DESCRIPTION: Paver
TEXTURE: Smooth

PALLET OVERVIEW
large rectangles



APPLICATIONS

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

NOTES

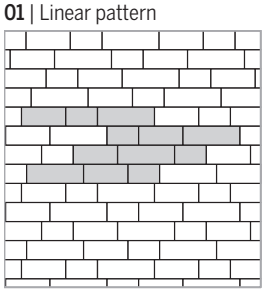
* Colours only available in half-pallets.

See page 150 for more technical information.

Specifications per pallet		Imperial	Metric
Cubing	**FULL PALLET**	**77.14 ft²**	7.17 m²
	***HALF-PALLET**	**44.08 ft²**	4.10 m²
Weight	**FULL PALLET**	3 629 lbs	1 646 kg
	***HALF-PALLET**	2 095 lbs	950 kg
Number of rows	**FULL PALLET**	7	
	***HALF-PALLET**	4	
Coverage per row		11.02 ft²/row	1.02 m²/row
Linear coverage per row		22.40 lin. ft/row	6.83 lin. m/row

	Unit dimensions	in	mm	Units/pallet
A	Height	3 15/16	100	49 units
	Depth	5 7/8	150	
	Length	8 7/8	225	
B	Height	3 15/16	100	49 units
	Depth	5 7/8	150	
	Length	12 13/16	325	
C	Height	3 15/16	100	49 units
	Depth	5 7/8	150	
	Length	16 3/4	425	

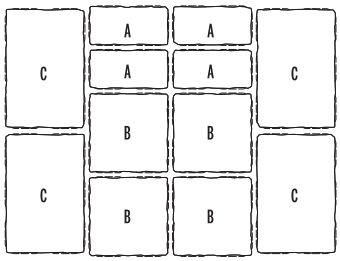
01 | Linear pattern



Mista Grande

DESCRIPTION: Paver
TEXTURE: Multi-textured

PALLET OVERVIEW



APPLICATIONS

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

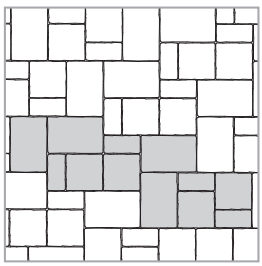
NOTES

See page 150 for more technical information.

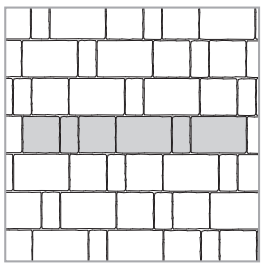
Specifications per pallet	Imperial	Metric
Cubing	**93.04 ft²**	8.65 m²
Weight	3 427 lbs	1 554 kg
Number of rows	8	
Coverage per row	11.63 ft²/row	1.08 m²/row
Linear coverage per row	11.80 lin. ft/row	3.60 lin. m/row

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

01 | Modular pattern



02 | Linear pattern

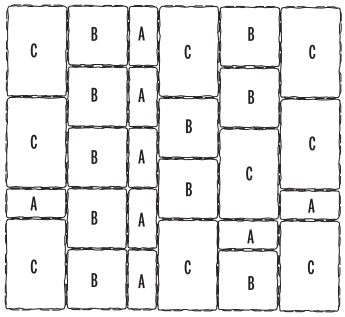


shale grey | champlain grey | onyx black | harvest gold | chestnut brown | chocolate brown

Mista
Random Permeable

DESCRIPTION: Paver
TEXTURE: Multi-textured

PALLET OVERVIEW



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 150 for more technical information and page 156 when used as a permeable application.

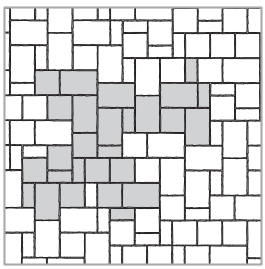
Specifications per pallet	Imperial	Metric
Cubing	**116.20 ft²**	10.80 m²
Weight	3 450 lbs	1 565 kg
Number of rows	10	
Coverage per row	11.62 ft²/row	1.08 m²/row
Linear coverage per row	17.71 lin. ft/row	5.40 lin. m/row
Void space	6.3 %	
Joint Depth	3/16" to 9/16"	4 to 14 mm

A	Unit dimensions	in	mm	Units/pallet
	Height	2 9/16	65	80 units
	Depth	7 7/8	200	
	Length	3 15/16	100	

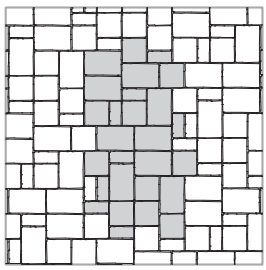
B				
	Height	2 9/16	65	100 units
	Depth	7 7/8	200	
	Length	7 7/8	200	

C				
	Height	2 9/16	65	90 units
	Depth	7 7/8	200	
	Length	11 13/16	300	

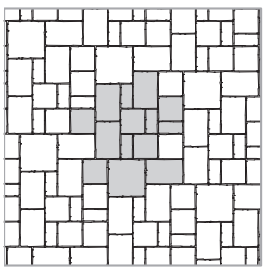
01 | Modular pattern
100% Mista random



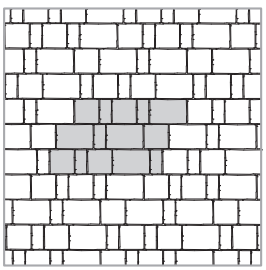
02 | Modular pattern
100% Mista random



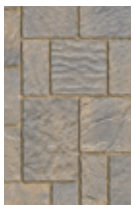
03 | Modular pattern
85% Mista random |
15% Mista square



04 | Linear pattern
100% Mista random



sandlewood



shale grey

mojave beige

champlain grey

harvest gold

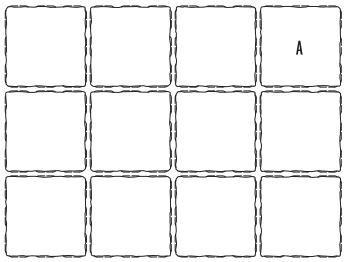
chestnut brown

autumn red

Mista
Square

DESCRIPTION: Paver
TEXTURE: Multi-textured

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**116.20 ft²**	10.80 m²
Weight	3 450 lbs	1 565 kg
Number of rows	10	
Coverage per row	11.62 ft²/row	1.08 m²/row
Linear coverage per row	11.81 lin. ft/row	3.60 lin. m/row

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

APPLICATIONS

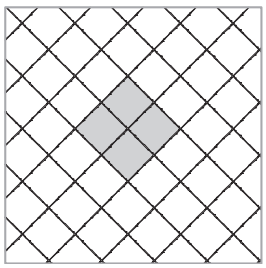
Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

NOTES

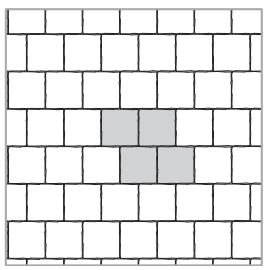
The Mista square is not permeable unless combined with the Mista random.

See page 150 for more technical information.

01 | Linear pattern
Checkerboard 45°



02 | Linear pattern



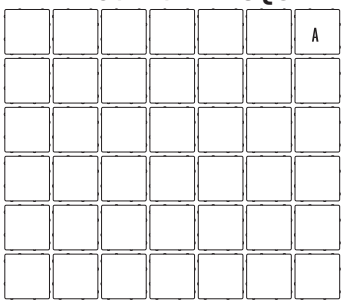
sandlewood | shale grey | mojave beige | champlain grey | harvest gold | chestnut brown | autumn red

Parisien

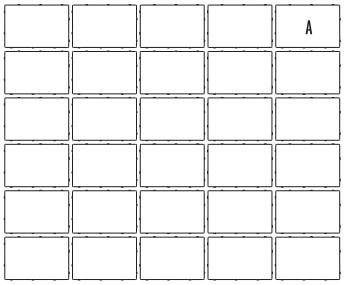
Square and rectangle

DESCRIPTION: Paver
TEXTURE: Smooth and beveled

PALLET OVERVIEW - **SQUARE**



PALLET OVERVIEW - **RECTANGLE**



APPLICATIONS

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

NOTES

See page 150 for more technical information.

Specifications per pallet		Imperial	Metric
SQUARE	Cubing	**124.20 ft²**	11.54 m²
	Weight	3 526 lbs	1599 kg
	Number of rows	11	
	Coverage per row	11.29 ft²/row	1.05 m²/row
	Linear coverage per row	21.88 lin. ft/row	6.67 lin. m/row

A

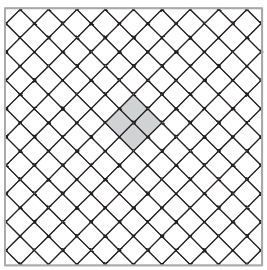
Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	462 units
Depth	6 1/4	158	
Length	6 1/4	158	

Specifications per pallet		Imperial	Metric
RECTANGLE	Cubing	**134.20 ft²**	12.47 m²
	Weight	3 824 lbs	1 735 kg
	Number of rows	11	
	Coverage per row	12.20 ft²/row	1.13 m²/row
	Linear coverage per row — Depth	15.60 lin. ft/row	4.75 lin. m/row
	Linear coverage per row — Length	23.45 lin. ft/row	7.15 lin. m/row

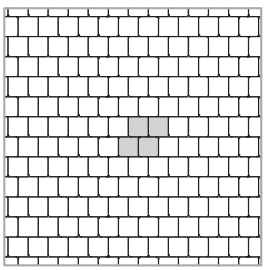
A

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

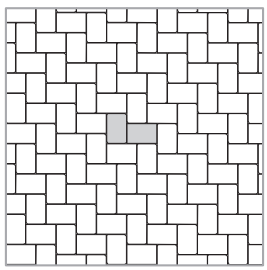
01 | Linear pattern
Checkerboard 45° | **100%** square



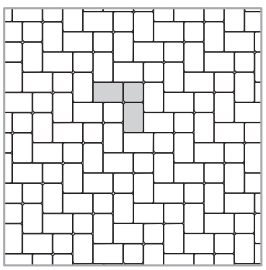
02 | Linear pattern
100% square



03 | Herringbone pattern
100% rectangle



04 | Modified Herringbone pattern
75% rectangle | **25%** square



sandlewood
Square
Rectangle

shale grey
Square
Rectangle

champlain grey
Square
Rectangle

onyx black
Rectangle

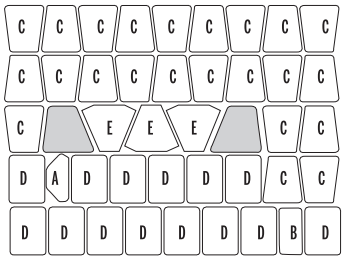
chestnut brown
Square
Rectangle

chocolate brown
Rectangle

Parisien
Circle

DESCRIPTION: Paver
TEXTURE: Smooth and beveled

PALLET OVERVIEW



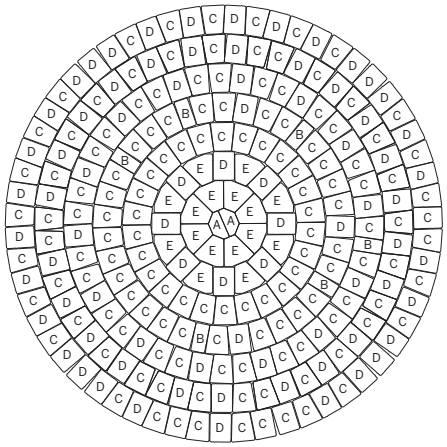
APPLICATIONS

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

NOTES

One pallet creates one full or two half-circles.

See page 150 for more technical information.



Specifications per pallet		Imperial	Metric
CIRCLE	Cubing	**50.70 ft²**	4.70 m²
	Weight	1 534 lbs	696 kg
	Number of rows	6	
	Coverage per row	8.45 ft²/row	0.79 m²/row
	Circle diameter	7' 11"	2.41 m

		Unit dimensions	in	mm	Units/pallet
A	HALF OCTAGON	Height	2 3/8	60	6 units
		Depth	-	-	
		Length	-	-	
B	SMALL RECTANGLE	Height	2 3/8	60	6 units
		Depth	-	-	
		Length	-	-	
C	SMALL RADIUS	Height	2 3/8	60	138 units
		Depth	-	-	
		Length	-	-	
D	RECTANGLE	Height	2 3/8	60	84 units
		Depth	-	-	
		Length	-	-	
E	RADIUS	Height	2 3/8	60	18 units
		Depth	-	-	
		Length	-	-	

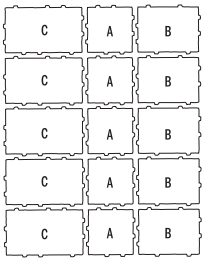
ROW	UNIT	DIAMETER in.	DIAMETER cm
Center	A = 2	6.3	16
1	E = 8	18.9	48
2	E = 8, D = 8	31.5	80
3	C = 26	44.1	112
4	C = 28, D = 3, B = 5	57.5	146
5	C = 28, D = 14, B = 1	70.1	178
6	C = 28, D = 23	82.7	210
7	C = 25, D = 34	94.9	241

sandlewood | shale grey | champlain grey | chestnut brown

Pure

DESCRIPTION: Paver
TEXTURE: Beveled

PALLET OVERVIEW



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.

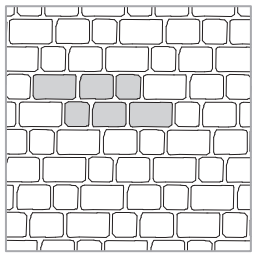
NOTES

See page 156 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**90 ft²**	8.36 m²
Weight	3 175 lbs	1 440 kg
Number of rows	8	
Coverage per row	11.25 ft²/row	1.05 m²/row
Linear coverage per row	15 lin. ft/row	4.57 lin. m/row
Void space	5.0 %	
Joint Depth	3/8"	10 mm

	Unit dimensions	in	mm	Units/pallet
A	Height	3 1/8	80	40 units
	Depth	9	229	
	Length	9	229	
B	Height	3 1/8	80	40 units
	Depth	9	229	
	Length	12	305	
C	Height	3 1/8	80	40 units
	Depth	9	229	
	Length	15	381	

01 | Linear pattern



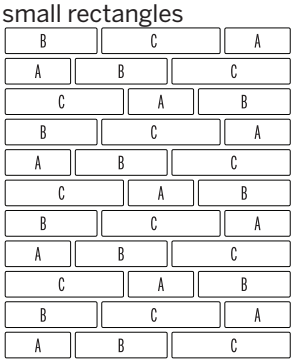
San Marino

Small rectangles

DESCRIPTION: Paver
TEXTURE: Slate

PALLET OVERVIEW

small rectangles



APPLICATIONS

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

NOTES

* Colours only available in half-pallets.

See page 150 for more technical information.

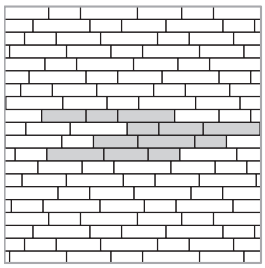
Specifications per pallet		Imperial	Metric
Cubing	**FULL PALLET**	**80.81 ft²**	7.51 m²
	***HALF-PALLET**	**46.18 ft²**	4.29 m²
Weight	**FULL PALLET**	3 527 lbs	1 600 kg
	***HALF-PALLET**	2 050 lbs	930 kg
Number of rows	**FULL PALLET**	7	
	***HALF-PALLET**	4	
Coverage per row		11.54 ft²/row	1.07 m²/row
Linear coverage per row		35.25 lin. ft/row	10.74 lin. m/row

A	Unit dimensions	in	mm	Units/pallet
	Height	3 15/16	100	77 units
	Depth	3 15/16	100	
	Length	8 7/8	225	

B				
	Height	3 15/16	100	77 units
	Depth	3 15/16	100	
	Length	12 13/16	325	

C				
	Height	3 15/16	100	77 units
	Depth	3 15/16	100	
	Length	16 3/4	425	

01 | Linear pattern

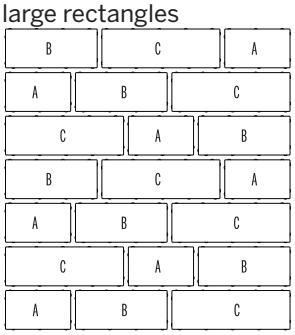


sandlewood | shale grey | champlain grey | chestnut brown | onyx black* | chocolate brown*

San Marino
Large rectangles

DESCRIPTION: Paver
TEXTURE: Slate

PALLET OVERVIEW
large rectangles



Specifications per pallet		Imperial	Metric
Cubing	**FULL PALLET**	**77.14 ft²**	7.17 m²
	***HALF-PALLET**	**44.08 ft²**	4.10 m²
Weight	**FULL PALLET**	3 527 lbs	1 600 kg
	***HALF-PALLET**	2 050 lbs	930 kg
Number of rows	**FULL PALLET**	7	
	***HALF-PALLET**	4	
Coverage per row		11.02 ft²/row	1.02 m²/row
Linear coverage per row		22.40 lin. ft/row	6.83 lin. m/row

	Unit dimensions	in	mm	Units /pallet
A	Height	3 15/16	100	49 units
	Depth	5 7/8	150	
	Length	8 7/8	225	
B	Height	3 15/16	100	49 units
	Depth	5 7/8	150	
	Length	12 13/16	325	
C	Height	3 15/16	100	49 units
	Depth	5 7/8	150	
	Length	16 3/4	425	

APPLICATIONS

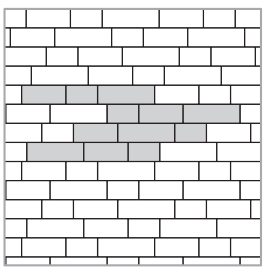
Pedestrian or light vehicular traffic, residential driveways, patios and swimming pool decks.

NOTES

* Colours only available in half-pallets.

See page 150 for more technical information and installation details

01 | Linear pattern



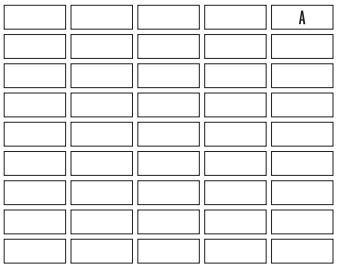
sandlewood | shale grey | champlain grey | chestnut brown | onyx black* | chocolate brown*

Victorien

60 mm and 80 mm

DESCRIPTION: Paver
TEXTURE: Smooth

PALLET OVERVIEW



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 150 for more technical information.

Specifications per pallet		Imperial	Metric
60 mm	Cubing	**123.70 ft²**	11.50 m²
	Weight	3 481 lbs	1 579 kg
	Number of rows	11	
	Coverage per row	11.25 ft²/row	1.05 m²/row
	Linear coverage per row — Depth	15.87 lin. ft/row	4.84 lin. m/row
	Length	31.74 lin. ft/row	9.68 lin. m/row

A

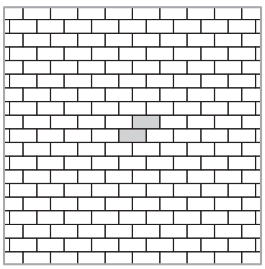
Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	495 units
Depth	4 1/4	108	4 units/ft²
Length	8 1/2	216	43.10 units/m²

Specifications per pallet		Imperial	Metric
80 mm	Cubing	**90 ft²**	8.40 m²
	Weight	3 400 lbs	1 542 kg
	Number of rows	8	
	Coverage per row	11.25 ft²/row	1.05 m²/row
	Linear coverage per row — Depth	15.87 lin. ft/row	4.84 lin. m/row
	Length	31.74 lin. ft/row	9.68 lin. m/row

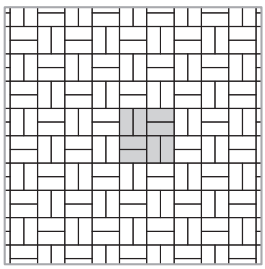
A

Unit dimensions	in	mm	Units/pallet
Height	3 1/8	80	360 units
Depth	4 1/4	108	4 units/ft²
Length	8 1/2	216	43.10 units/m²

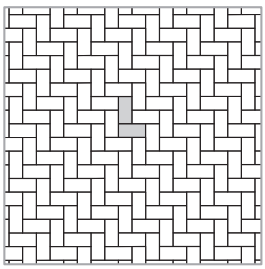
01 | Linear pattern



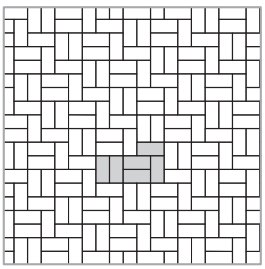
02 | Parquet pattern



03 | Herringbone pattern



04 | Modified Herringbone pattern



sandlewood
60 mm

grey
60 mm
80 mm

shale grey
60 mm

red and black
60 mm

mojave beige
60 mm

onyx black
60 mm
80 mm

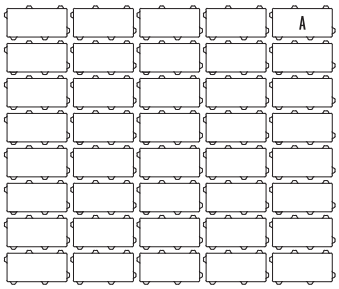
chocolate brown
60 mm
80 mm

Victorien

60 mm Permeable

DESCRIPTION: Paver
TEXTURE: Smooth

PALLET OVERVIEW



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.

NOTES

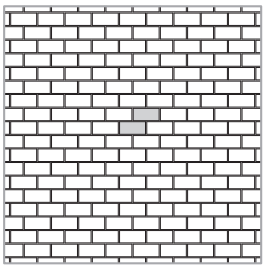
See page 156 for more technical information and installation details

Specifications per pallet		Imperial	Metric
60 mm PERMEABLE	Cubing	**110.22 ft²**	10.24 m²
	Weight	2 888 lbs	1 310 kg
	Number of rows	11	
	Coverage per row	10.02 ft²/row	0.93 m²/row
	Linear coverage per row — Depth	15.87 lin. ft/row	4.84 lin. m/row
	Linear coverage per row — Length	31.74 lin. ft/row	9.68 lin. m/row
	Void space	9.6 %	
	Joint Depth	3/8"	10 mm

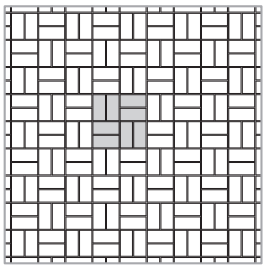
A

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

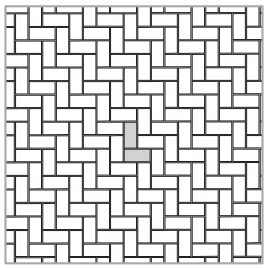
01 | Linear pattern



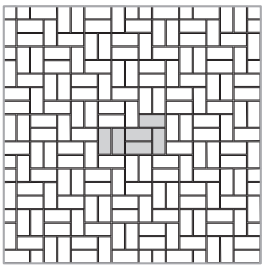
02 | Parquet pattern



03 | Herringbone pattern



04 | Modified Herringbone pattern



shale grey

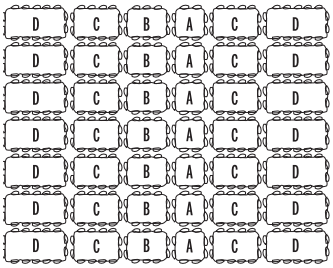
chestnut brown

Villagio

DESCRIPTION: Paver
TEXTURE: Beveled

PAVERS

PALLET OVERVIEW



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

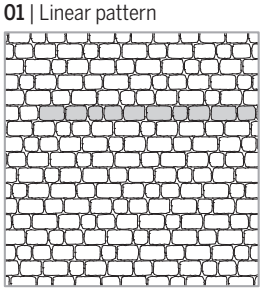
* Colours only available in half-pallets.

See page 150 for more technical information and page 156 when used as a permeable application.

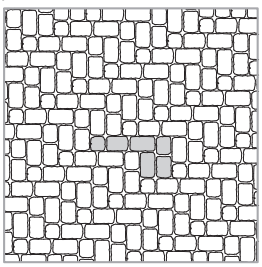
Specifications per pallet		Imperial	Metric
Cubing	**FULL PALLET**	**117 ft²**	10.88 m²
	***HALF-PALLET**	**53.18 ft²**	4.94 m²
Weight	**FULL PALLET**	2 935 lbs	1 331 kg
	***HALF-PALLET**	1 390 lbs	630 kg
Number of rows	**FULL PALLET**	11	
	***HALF-PALLET**	5	
Coverage per row		10.64 ft²/row	0.99 m²/row
Linear coverage per row		24.94 lin. ft/row	7.61 lin. m/row
Void space		8.0 %	
Joint Depth		3/8" to 9/16"	9 to 15 mm

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

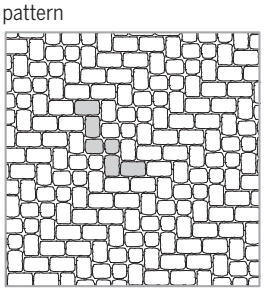
01 | Linear pattern



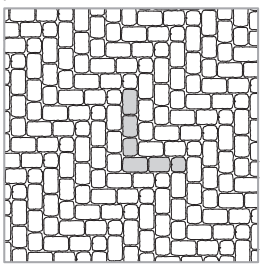
02 | Modified Herringbone pattern



03 | Modified Herringbone pattern



04 | Modified Herringbone pattern



sandlewood

shale grey

mojave beige

champlain grey

harvest gold

chestnut brown

onyx black*

chocolate brown *

WALLS

WALLS, PILLARS & PLANTERS

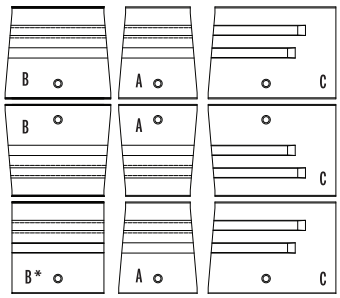
Baltimore

90 mm

DESCRIPTION: Wall double-sided
TEXTURE: Sculpted

PALLET OVERVIEW

Pallet layout may vary.



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, Escala 3.5", Muro Naturale, Piedimonte, Portofino, Prima 14", Raffinato and York.

NOTES

When building a double-sided wall one pallet will cover an average of 20 ft².

The positioning of the modules on the pallet may vary.

See page 162 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**21.04 ft²**	1.95 m²
	71.26 lin. ft	21.72 lin. m
Weight	2 353 lbs	1 067 kg
Minimum radius	7.5 ft	2.3 m
Number of rows	8	
Coverage per row	2.63 ft²/row	0.24 m²/row
Linear coverage per row	8.91 lin. ft/row	2.72 lin. m/row

A

Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	24 units
Depth	10 5/8	270	
Length 1	9 1/16	230	
Length 2	7 1/2	190	

B

Height	3 9/16	90	18 units
Depth	10 5/8	270	
Length 1	12 3/16	310	
Length 2	10 5/8	270	

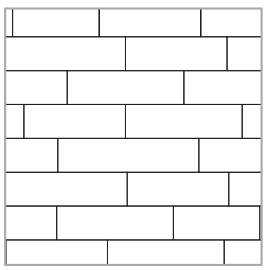
B*

Height	3 9/16	90	6 units
Depth	10 5/8	270	
Length 1	10 5/8	270	
Length 2	10 5/8	270	

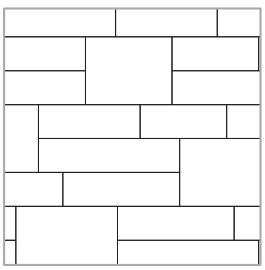
C

Height	3 9/16	90	24 units
Depth	10 5/8	270	12 right corners
Length 1	14 3/4	375	12 left corners
Length 2	14	355	

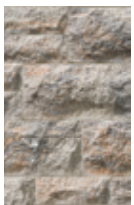
01 | Linear pattern



02 | Linear pattern

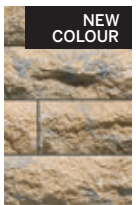


champlain grey



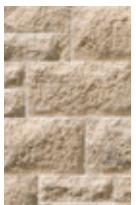
chestnut brown

sandlewood



shale grey
formely brushed pewter

brazilian sand



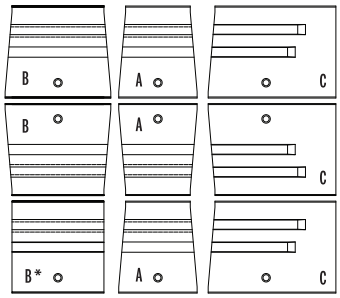
Baltimore

180 mm

DESCRIPTION: Wall double-sided
TEXTURE: Sculpted

PALLET OVERVIEW

Pallet layout may vary.



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, Escala 3.5", Muro Naturale, Piedimonte, Portofino, Prima 14", Raffinato and York.

NOTES

When building a double-sided wall one pallet will cover an average of 20 ft².

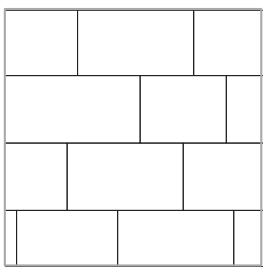
The positioning of the modules on the pallet may vary.

See page 162 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**21.04 ft²**	1.95 m²
	35.63 lin. ft	10.86 lin. m
Weight	2 364 lbs	1 072 kg
Minimum radius	7.5 ft	2.3 m
Number of rows	4	
Coverage per row	5.26 ft²/row	0.49 m²/row
Linear coverage per row	8.91 lin. ft/row	2.72 lin. m/row

	Unit dimensions	in	mm	Units / pallet
A	Height	7 1/16	180	12 units
	Depth	10 5/8	270	
	Length 1	9 1/16	230	
	Length 2	7 1/2	190	
B	Height	7 1/16	180	9 units
	Depth	10 5/8	270	
	Length 1	12 3/16	310	
	Length 2	10 5/8	270	
B*	Height	7 1/16	180	3 units
	Depth	10 5/8	270	
	Length 1	10 5/8	270	
	Length 2	10 5/8	270	
C	Height	7 1/16	180	12 units
	Depth	10 5/8	270	6 right corners
	Length 1	14 3/4	375	6 left corners
	Length 2	14	355	

01 | Linear pattern

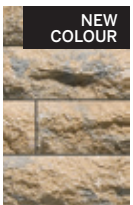


champlain grey

chestnut brown

sandlewood

NEW COLOUR



shale grey

formely brushed pewter

brazilian sand

Borealis
Wall

DESCRIPTION: Wall
TEXTURE: Wood

PALLET OVERVIEW

A

APPLICATIONS

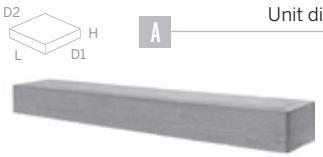
Garden walls and double-sided walls.

NOTES

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 162 for more technical information and installation details.

Specifications per pallet	Imperial	Metric
Cubing	**32 ft²**	2.97 m²
Linear coverage per pallet	64 lin. ft/pal	19.51 lin. m/pal
Weight	3 042 lbs	1 380 kg
Number of rows	4	
Coverage per row	8 ft²/row	0.74 m²/row
Coverage per unit	2 ft²/unit	0.19 m²/unit
Linear coverage per unit	4 lin. ft/unit	1.22 lin. m/unit



Unit dimensions	in	mm	Units/pallet
Height	6	152	16 units
Depth 1	7 3/4	197	
Depth 2	8	203	
Length	48	1 219	

smoked pine | hazelnut brandy | sauvignon oak

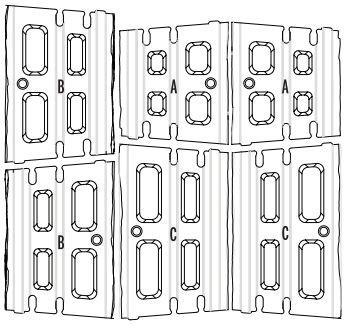
TONE DISTRIBUTION **HIGH**

Brandon

90 mm

DESCRIPTION: Double-sided wall
TEXTURE: Slate

PALLET OVERVIEW



COMPATIBLE CAPS

Muro Naturale, Piedimonte, Portofino & York.

NOTES

When building a double-sided wall one pallet will cover an average of 19.28 ft².

See page 162 for more technical information and installation details.

Specifications per pallet	Imperial	Metric
Cubing	**20.44 ft²**	1.90 m²
	69.23 lin. ft	21.10 lin. m
Weight	1 823 lbs	827 kg
Minimum radius	7.5 ft	2.3 m
Number of rows	10	
Coverage per row	2.04 ft²/row	0.19 m²/row
Linear coverage per row	6.92 lin. ft/row	2.11 lin. m/row

A	Unit dimensions	in	mm	Units/pallet
	Height	3 9/16	90	20 units
	Depth	9 13/16	250	
	Length 1	11 1/4	285	
	Length 2	9 5/8	245	

B				
	Height	3 9/16	90	20 units
	Depth	9 13/16	250	
	Length 1	14 3/8	365	
	Length 2	12 13/16	325	

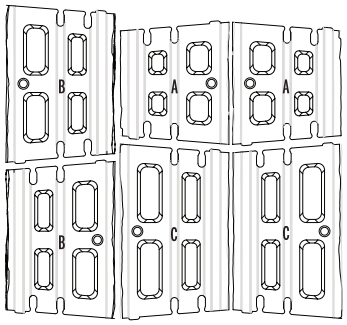
C				
	Height	3 9/16	90	20 units
	Depth	9 13/16	250	
	Length 1	15 15/16	405	
	Length 2	14 3/8	365	

Brandon

180 mm

DESCRIPTION: Double-sided wall
TEXTURE: Slate

PALLET OVERVIEW



COMPATIBLE CAPS

Muro Naturale, Piedimonte, Portofino & York.

NOTES

When building a double-sided wall one pallet will cover an average of 19.28 ft².

See page 162 for more technical information and installation details.

Specifications per pallet	Imperial	Metric
Cubing	**20.44 ft²**	1.90 m²
	34.61 lin. ft	10.55 lin. m
Weight	1 898 lbs	861 kg
Minimum radius	7.5 ft	2.3 m
Number of rows	5	
Coverage per row	4.09 ft²/row	0.38 m²/row
Linear coverage per row	6.92 lin. ft/row	2.11 lin. m/row

A	Unit dimensions	in	mm	Units/pallet
	Height	7 1/16	180	10 units
	Depth	9 13/16	250	
	Length 1	11 1/4	285	
	Length 2	9 5/8	245	

B				
	Height	7 1/16	180	10 units
	Depth	9 13/16	250	
	Length 1	14 3/8	365	
	Length 2	12 13/16	325	

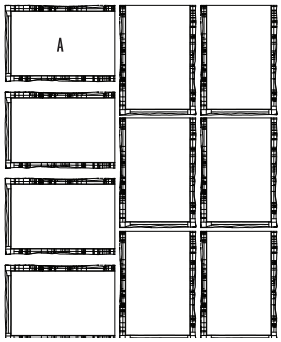
C				
	Height	7 1/16	180	10 units
	Depth	9 13/16	250	
	Length 1	15 15/16	405	
	Length 2	14 3/8	365	

Brandon

Corners and pillars
90 mm & 180 mm

DESCRIPTION: Corners and pillars
TEXTURE: Slate

PALLET OVERVIEW



COMPATIBLE CAPS

Piedimonte 28" pillar cap, Raffinato smooth, Stonedge 28" & York 28".

NOTES

See page 224 for more technical information and installation details.

Specifications per pallet		Imperial	Metric
PILLAR 90 mm	Cubing	**40 units**	40 units
	Weight	1 638 lbs	743 kg
	Number of rows	4	
	Pillar height	35 7/16"	900 mm

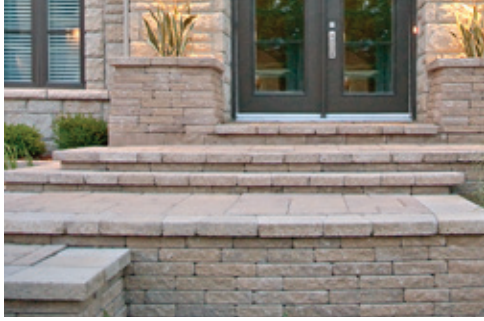
A	Unit dimensions	in	mm	Units/pallet
	Height	3 9/16	90	40 units
	Depth	9 13/16	250	
	Length	14 3/16	360	

Specifications per pallet		Imperial	Metric
PILLAR 180 mm	Cubing	**20 units**	20 units
	Weight	1 694 lbs	768 kg
	Number of rows	2	
	Pillar height	35 7/16"	900 mm

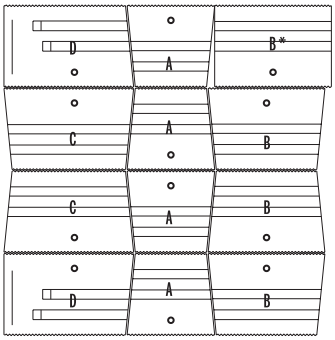
A	Unit dimensions	in	mm	Units/pallet
	Height	7 1/16	180	20 units
	Depth	9 13/16	250	
	Length	14 3/16	360	

Escala 3.5"
Wall

DESCRIPTION: Wall double-sided
TEXTURE: Split face and aged



PALLET OVERVIEW



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

NOTES

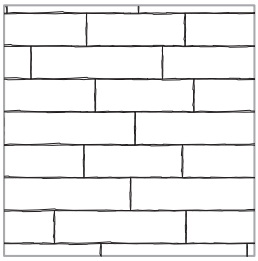
When building a double-sided wall one pallet will cover an average of 26.24 ft².

See page 162 for more technical information and installation details.

Specifications per pallet	Imperial	Metric
Cubing	**27.65 ft²**	2.57 m²
	94.62 lin. ft	28.84 lin. m
Weight	2 940 lbs	1 334 kg
Minimum radius	7.5 ft	2.25 m
Number of rows	7	
Coverage per row	3.95 ft²/row	0.37 m²/row
Linear coverage per row	13.52 lin. ft/row	4.12 lin. m/row

Unit dimensions	in	mm	Units/pallet
A			
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	

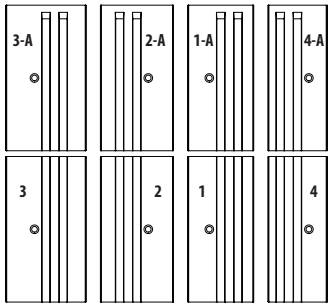
01 | Linear pattern



Graphix

DESCRIPTION: Wall double-sided
TEXTURE: Smooth & split face

PALLET OVERVIEW



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

Piedimonte & Raffinato cap.

NOTES

See page 162 for more technical information and installation details.

Specifications per pallet	Imperial	Metric
Cubing	**26.25 ft²**	2.44 m²
	107.67 lin. ft	32.51 m lin.
Weight	2 773 lbs	1 258 kg
Number of rows	8	
Coverage per row	3.28 ft²/row	0.30 m²/row
Linear coverage per row	13.33 lin. ft/row	4.06 lin. m/row

	Unit dimensions	in	mm	Units/pallet
1	Height	2 15/16	75	8 units
	Depth	9 1/16	230	
	Length	20	508	
2	Height	2 15/16	75	8 units
	Depth	10 1/16	255	
	Length	20	508	
3	Height	2 15/16	75	8 units
	Depth	11	280	
	Length	20	508	
4	Height	2 15/16	75	8 units
	Depth	8 1/16	205	split on one side
	Length	20	508	
1A	Height	2 15/16	75	8 units
	Depth	9 1/16	230	Left corner unit
	Length	20	508	
2A	Height	2 15/16	75	8 units
	Depth	10 1/16	255	Right corner unit
	Length	20	508	
3A	Height	2 15/16	75	8 units
	Depth	11	280	Left corner unit
	Length	20	508	
4A	Height	2 15/16	75	8 units
	Depth	8 1/16	205	Right corner unit, split on one side
	Length	20	508	

greyed nickel

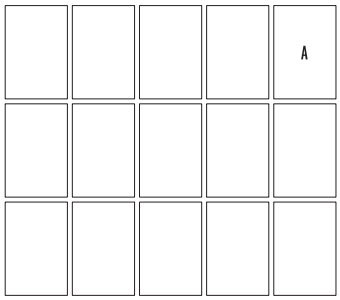
onyx black

beige cream

Manchester

DESCRIPTION: Wall
TEXTURE: Smooth and aged

PALLET OVERVIEW



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

NOTES

* Colours only available in half-pallets.

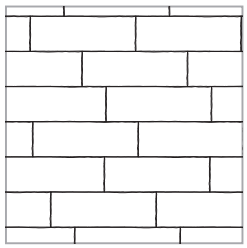
See page 162 for more technical information.

Specifications per pallet		Imperial	Metric
Cubing	FULL PALLET	**90 units**	90 units
		29.10 ft²	2.70 m²
		88.58 lin. ft	27 lin. m
	*HALF-PALLET	**45 units**	45 units
		14.53 ft²	1.35 m²
		44.29 lin. ft	13.50 lin. m
Weight	FULL PALLET	2 760 lbs	1 252 kg
	*HALF-PALLET	1 384 lbs	628 kg
Number of rows	FULL PALLET	6	
	*HALF-PALLET	3	
Coverage per row		4.84 ft²/row	0.45 m²/row
Linear coverage per row		14.76 lin. ft/row	4.5 lin. m/row

A

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

01 | Linear pattern



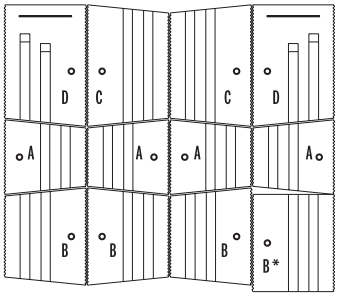
sandlewood | shale grey | champlain grey | onyx black* | harvest gold | chestnut brown | chocolate brown *

Mini-Creta 3"

DESCRIPTION: Wall double-sided
TEXTURE: Aged with chiseled corners

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

PALLET OVERVIEW



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

NOTES

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

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

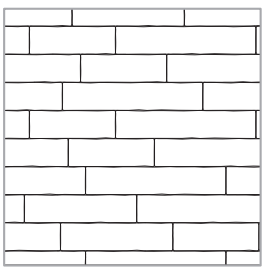
When building a double-sided wall one pallet will cover and average of 21.76 ft².

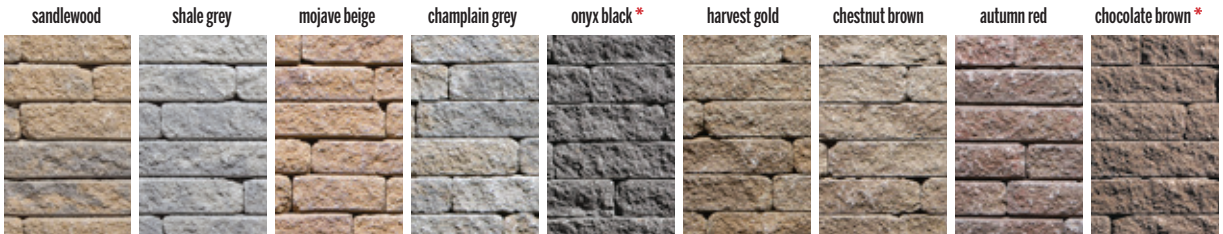
See page 162 for more technical information.

Specifications per pallet		Imperial	Metric
Cubing	FULL PALLET	24 ft²	2.23 m²
		95.01 lin. ft	28.96 lin. m
	*HALF-PALLET	12 ft²	1.11 m²
		47.51 lin. ft	14.48 lin. m
Linear coverage per row		11.88 lin. ft/row	3.62 lin. m/row
Weight	FULL PALLET	2 430 lbs	1 102 kg
	*HALF-PALLET	1 230 lbs	558 kg
Minimum radius		7 ft	2.1 m
Number of rows	FULL PALLET	8	
	*HALF-PALLET	4	

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

01 | Linear pattern



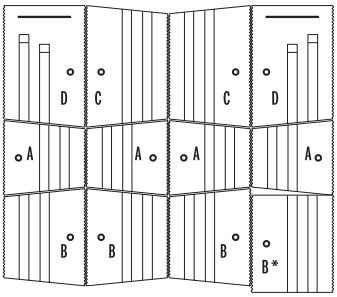


Mini-Creta 6"

DESCRIPTION: Wall double-sided
TEXTURE: Aged with chiseled corners

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

PALLET OVERVIEW



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

NOTES

When building a double-sided wall one pallet will cover an average of 27.21 ft².

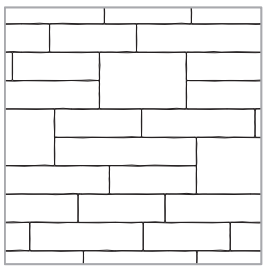
B* unit can be used as a regular or vertical unit.

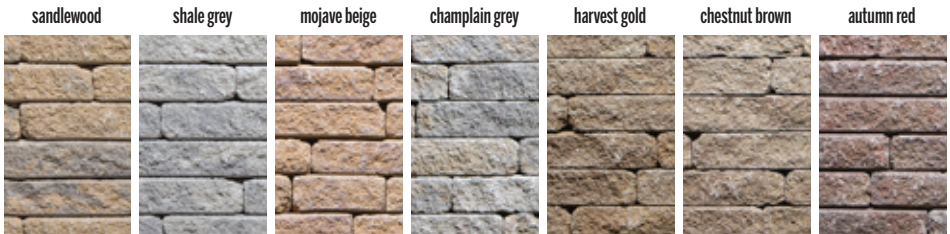
See page 162 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**30 ft²**	2.79 m²
	59.38 lin. ft	18.10 lin. m
Weight	3 100 lbs	1 406 kg
Minimum radius	7 ft	2.1 m
Number of row	5	
Coverage per row	6 ft²/row	0.56 m²/row
Linear coverage per row	11.88 lin. ft/row	3.62 lin. m/row

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

01 | Linear pattern



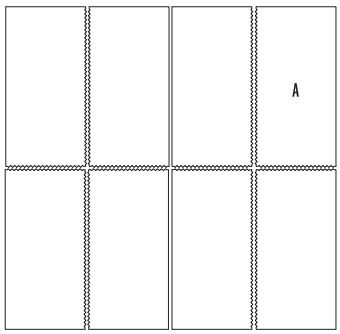


Pillar 24"

Mini-Creta

DESCRIPTION: Pillar
TEXTURE: Aged with chiseled corners

PALLET OVERVIEW



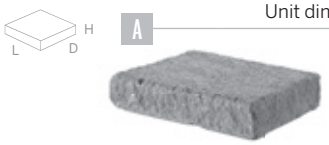
COMPATIBLE CAPS

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

NOTES

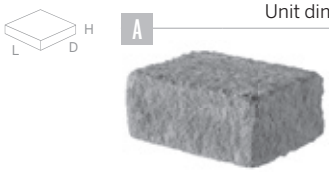
See page 224 for more technical information and installation details.

Specifications per pallet		Imperial	Metric
PILLAR 24"×3"	Cubing	**48 units**	48 units
	Weight	1 547 lbs	702 kg
	Number of rows	6	
	Pillar height	35 7/16"	900 mm



Unit dimensions	in	mm	Units/pallet
Height	2 15/16	75	48 units
Depth	8	203	
Length	16	406	

Specifications per pallet		Imperial	Metric
PILLAR 24"×6"	Cubing	**24 units**	24 units
	Weight	1 500 lbs	680 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	

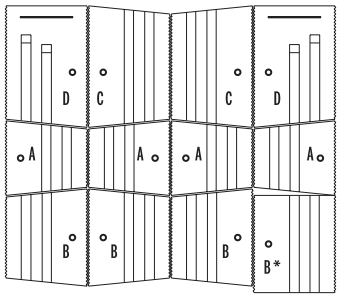
sandlewood | shale grey | mojave beige | champlain grey | harvest gold | chestnut brown | autumn red

Mini-Creta 3"
Architectural

DESCRIPTION: Wall double-sided
TEXTURE: Split face with straight edged corners

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

PALLET OVERVIEW



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

NOTES

When building a double-sided wall one pallet will cover an average of 21.76 ft².

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

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

See page 162 for more technical information.

Specifications per pallet		Imperial	Metric
Cubing	FULL PALLET	24 ft²	2.23 m²
		95.01 lin. ft	28.96 lin. m
	*HALF-PALLET	12 ft²	1.11 m²
		47.51 lin. ft	14.48 lin. m
Weight	FULL PALLET	2 430 lbs	1 102 kg
	*HALF-PALLET	1 180 lbs	535 kg
Minimum radius		7 ft	2.1 m
Number of rows	FULL PALLET	8	
	*HALF-PALLET	4	
Coverage per row		3 ft²/row	0.28 m²/row
Linear coverage per row		11.88 lin. ft/row	3.62 lin. m/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	

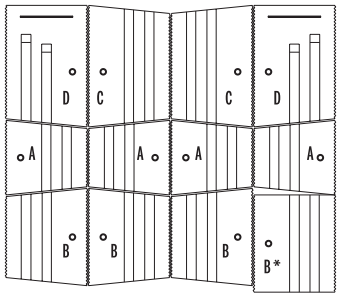
sandlewood | shale grey | champlain grey | onyx black * | chestnut brown | chocolate brown *

Mini-Creta 6"
Architectural

DESCRIPTION: Wall double-sided
TEXTURE: Split face with straight edged corners

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

PALLET OVERVIEW



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

NOTES

When building a double-sided wall one pallet will cover an average of 27.21 ft².

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

See page 162 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**30 ft²**	2.79 m²
	59.38 lin. ft	18.10 lin. m
Weight	3 100 lbs	1 406 kg
Minimum radius	7 ft	2.1 m
Number of row	5	
Coverage per row	6 ft²	0.56 m²
Linear coverage per row	11.88 lin. ft	3.62 lin. m

A

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	5 right corners
Length 1	14 3/4	375	5 left corners
Length 2	13 3/4	350	

sandlewood

shale grey

champlain grey

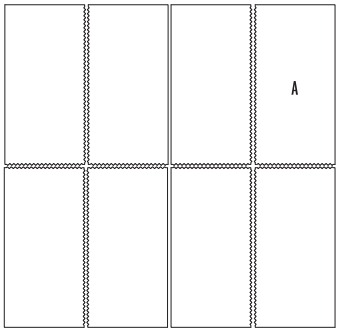
chestnut brown

Pillar 24"

Mini-Creta Architectural

DESCRIPTION: Pillar
TEXTURE: Split face with straight edged corners

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**24 units**	24 units
Weight	1 510 lbs	685 kg
Pillar height	35 7/16	900 mm
Number of rows	3	

A

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

COMPATIBLE CAPS

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

NOTES

See page 224 for more technical information and installation details.

sandlewood

shale grey

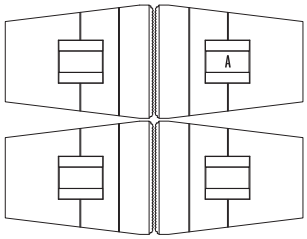
champlain grey

chestnut brown

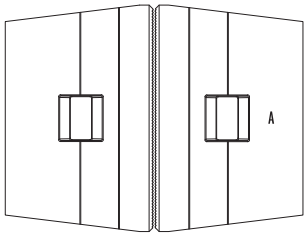
Monumental
Wall

DESCRIPTION: Wall
TEXTURE: Split face and Chiseled

PALLET OVERVIEW - **HALF**



PALLET OVERVIEW - **REGULAR**



COMPATIBLE CAPS

Only Monumental cap is compatible.

NOTES

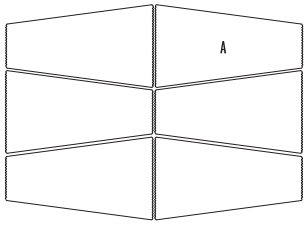
***Monumental retaining wall units are available on special order only. Minimum order quantities apply. Contact your local representative for details**.

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.

See page 165 for more technical information.

Email: walls@techo-bloc.com
Web: www.techo-bloc.com/products/monumental/

CAP PALLET OVERVIEW



COMPATIBLE WALL

Caps for Monumental wall only.

shale grey*

mojave beige*

Specifications per pallet		Imperial	Metric
HALF	Cubing	**13.80 ft²**	1.28 m²
		10.50 lin. ft	3.20 lin. m
		1.73 ft²/unit	0.16 m²/unit
	Weight	2 350 lbs	1 065 kg
		287 lbs/unit	130 kg/unit
	Number of rows	2	
	Coverage per row	6.89 ft.²/row	0.64 m²/row
	Linear coverage per row	5.25 lin. ft/row	1.60 lin. m/row

A

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

Specifications per pallet		Imperial	Metric
REGULAR	Cubing	**13.80 ft.²**	1.28 m²
		10.50 lin. ft	3.20 lin. m
		3.45 ft.²/unit	0.32 m²/unit
	Minimum radius	17 ft.	5.2 m
	Weight	2 845 lbs	1 290 kg
		612 lbs/unit	278 kg/unit
	Number of rows	2	
	Coverage per row	6.89 ft.²/row	0.64 m²/row
	Linear coverage per row	5.25 lin. ft/row	1.60 lin. m/row

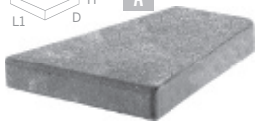
A

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

CAP

Specifications per pallet	Imperial	Metric
Cubing	**29.82 lin. ft**	9.09 lin. m
Linear coverage per row	4.97 lin. ft/row	1.51 lin. m/row
Weight	2 720 lbs	1 234 kg
Number of rows	6	

A



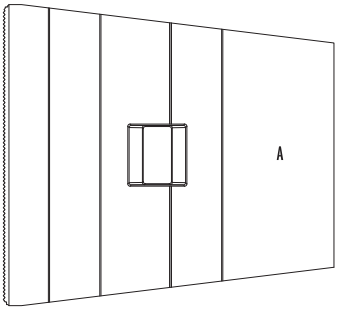
Unit dimensions	in	mm	Units/pallet
Height	3 15/16	100	36 units
Depth	23	584	
Length 1	13	330	
Length 2	6 7/8	174	

Monumental

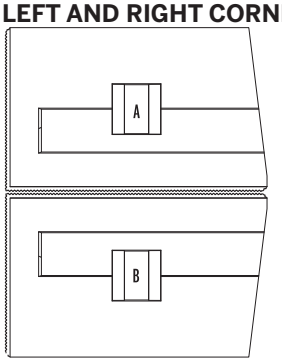
Base and 90° Corners

DESCRIPTION: Base and Corners
TEXTURE: Split face and Chiseled

PALLET OVERVIEW - **BASE**



PALLET OVERVIEW -- LEFT AND RIGHT CORNERS



COMPATIBLE CAP

Only Monumental cap is compatible.

NOTES

Monumental retaining wall units are available on special order only. Minimum order quantities apply. Contact your local representative for details.

- Right or Left corners must be specified when placing an order. **The end of the module is taken into consideration in the calculating of cubing.**

See page 165 for more technical information.

Email: walls@techo-bloc.com
Web: www.techo-bloc.com/products/monumental/

Specifications per pallet		Imperial	Metric
BASE	Cubing	**6.90 ft²**	0.64 m²
		5.25 lin. ft	1.60 lin. m
		3.45 ft²/unit	0.32 m²/unit
	Weight	2 335 lbs	1 059 kg
		1 142 lbs/unit	518 kg/unit
	Number of rows	2	
	Coverage per row	3.45 ft.²/row	0.32 m²/row
	Linear coverage per row	2.62 lin. ft/row	0.80 lin. m/row

A

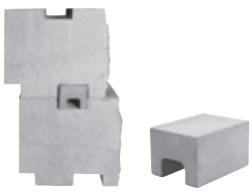
Unit dimensions	in	mm	Units/pallet
Height	15 3/4	400	2 units
Depth	34 1/2	876	
Length	31 1/2	800	

Specifications per pallet		Imperial	Metric
LEFT CORNERS AND RIGHT CORNERS	Cubing*	**20.67 ft²**	1.92 m²
		15.75 lin. ft	4.80 lin. m
		5.17 ft²/unit	0.48 m²/unit
	Weight	2 282 lbs	1 035 kg
		571 lbs/unit	259 kg/unit
	Number of rows	2	
	Coverage per row	10.33 ft.²/row	0.96 m²/row
	Linear coverage per row	7.87 lin. ft/row	2.40 lin. m/row

A-B

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

"U" insert

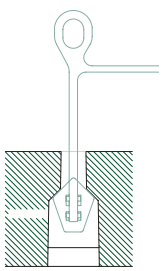


"U" insert creates 11° (3") inclined wall.

"Z" insert

"Z" insert creates straight wall (vertical).

Lifting anchor



shale grey*

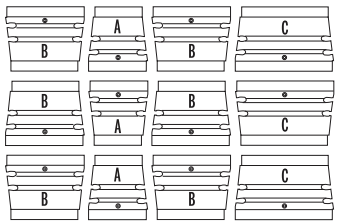
mojave beige*

Prescott

2.25"

DESCRIPTION: Wall double-sided
TEXTURE: Natural stone

PALLET OVERVIEW



APPLICATIONS

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

COMPATIBLE CAPS

Muro Naturale, Piedimonte, Portofino, Raffinato and York.

NOTES

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

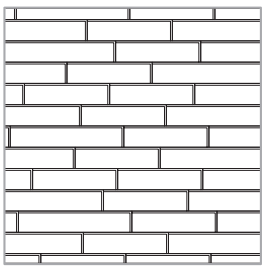
When building a double-sided wall one pallet will cover an average of 25.23 ft².

See page 162 for more technical information.

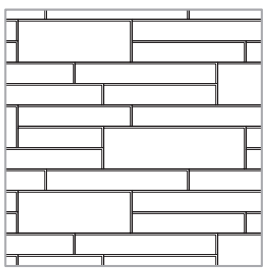
Specifications per pallet	Imperial	Metric
Cubing	**27 ft²**	2.51 m²
	144 lin. ft	43.89 lin. m
Weight	2 661 lbs	1 207 kg
Minimum radius	5.2 ft	1.6 m
Number of rows	12	
Coverage per row	2.25 ft²/row	0.21 m²/row
Linear coverage per row	12 lin. ft/row	3.66 lin. m/row

	Unit dimensions	in	mm	Units/pallet
A	Height	2 1/4	57	36 units
	Depth	9 13/16	250	
	Length 1	9	229	
	Length 2	7 7/16	189	
B	Height	2 1/4	57	72 units
	Depth	9 13/16	250	
	Length 1	12	305	
	Length 2	10 7/16	265	
C	Height	2 1/4	57	36 units
	Depth	9 13/16	250	
	Length 1	15	381	
	Length 2	13 7/16	341	

01 | Linear pattern



02 | Linear pattern



victoria

riviera

rock garden brown

coral sands

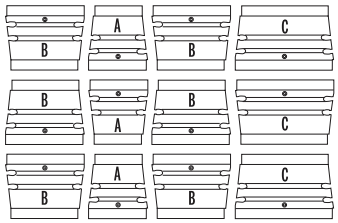
TONE
DISTRIBUTION
MEDIUM

Prescott

4.5"

DESCRIPTION: Wall double-sided
TEXTURE: Natural stone

PALLET OVERVIEW



APPLICATIONS

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

COMPATIBLE CAPS

Muro Naturale, Piedimonte, Portofino, Raffinato and York.

NOTES

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

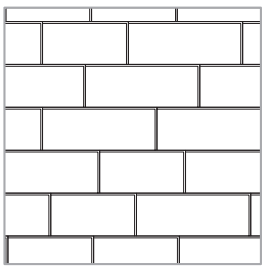
When building a double-sided wall one pallet will cover an average of 25.23 ft².

See page 162 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**27 ft²**	2.51 m²
	72 lin. ft	21.95 lin. m
Weight	2 728 lbs	1 237 kg
Minimum radius	5.2 ft	1.6 m
Number of rows	6	
Coverage per row	4.50 ft²/row	0.42 m²/row
Linear coverage per row	12 lin. ft/row	3.66 lin. m/row

	Unit dimensions	in	mm	Units/pallet
A	Height	4 1/2	114	18 units
	Depth	9 13/16	250	
	Length 1	9	229	
	Length 2	7 7/16	189	
B	Height	4 1/2	114	36 units
	Depth	9 13/16	250	
	Length 1	12	305	
	Length 2	10 7/16	265	
C	Height	4 1/2	114	18 units
	Depth	9 13/16	250	
	Length 1	15	381	
	Length 2	13 7/16	341	

01 | Linear pattern



victoria

riviera

rock garden brown

coral sands

TONE DISTRIBUTION
MEDIUM

Prescott

Corners and pillars

DESCRIPTION: Corners and pillars
TEXTURE: Natural stone

PALLET OVERVIEW

Specifications per pallet		Imperial	Metric
2.25	Cubing	**72 units**	72 units
	Weight	1 789 lbs	811 kg
	Number of rows	8	
	Pillar height	40 1/2"	1 029 mm

A

Unit dimensions	in	mm	Units / pallet
Height	2 1/4	57	72 units
Depth	9 13/16	250	
Length	14 3/16	360	

Specifications per pallet		Imperial	Metric
4.5	Cubing	**36 units**	36 units
	Weight	1 871 lbs	849 kg
	Number of rows	4	
	Pillar height	40 1/2"	1 029 mm

A

Unit dimensions	in	mm	Units / pallet
Height	4 1/2	114	36 units
Depth	9 13/16	250	
Length	14 3/16	360	

APPLICATIONS

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

COMPATIBLE CAPS

Piedimonte 28", Raffinato smooth, Stonedge 28" & York 28" caps.

NOTES

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 224 for more technical information.

victoria

riviera

rock garden brown

coral sands

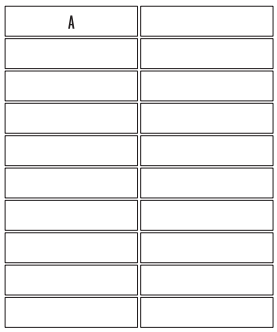
TONE
DISTRIBUTION
MEDIUM

Raffinato

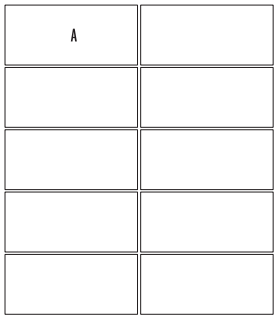
90 mm & 180 mm, Polished

DESCRIPTION: Wall
TEXTURE: Polished

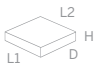
PALLET OVERVIEW - **90 mm**



PALLET OVERVIEW - **180 mm**

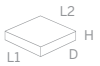


Specifications per pallet		Imperial	Metric
90 mm	Cubing	**23.08 ft²**	2.14 m²
		78.15 lin ft	23.82 lin m
	Weight	1 948 lbs	884 kg
	Minimum radius	8.5 ft	2.6 m
	Number of rows	3	
	Coverage per row	7.69 ft²/row	0.71 m²/row
	Linear coverage per row	26.05 lin ft/row	7.94 lin m/row



Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	60 units
Depth	9 3/4	248	
Length 1	15 5/8	397	
Length 2	14 1/4	362	

Specifications per pallet		Imperial	Metric
180 mm	Cubing	**23.08 ft²**	2.14 m²
		39.07 lin ft	11.91 lin m
	Weight	1 936 lbs	878 kg
	Minimum radius	8.5 ft	2.6 m
	Number of rows	3	
	Coverage per row	7.69 ft²/row	0.71 m²/row
	Linear coverage per row	13.02 lin ft/row	3.97 lin m/row



Unit dimensions	in	mm	Units/pallet
Height	7 1/16	180	30 units
Depth	9 3/4	248	
Length 1	15 5/8	397	
Length 2	14 1/4	362	

APPLICATIONS

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

COMPATIBLE CAPS

Muro Naturale, Piedimonte, Prima 14" polished and Raffinato Cap.

NOTES

When building a double-sided wall one pallet will cover an average of 22.06 ft².

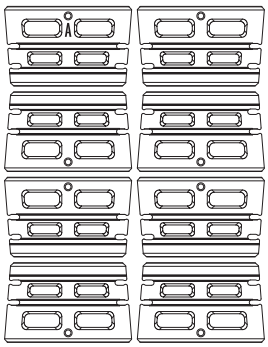
See page 162 for more technical information.

Raffinato

90 mm & 180 mm, Smooth

DESCRIPTION: Wall double-sided
TEXTURE: Smooth

PALLET OVERVIEW - **90 mm & 180 mm**



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

Muro Naturale, Piedimonte, Prima 14" polished and Raffinato Cap.

NOTES

When building a double-sided wall one pallet will cover an average of 23.53 ft².

See page 162 for more technical information.

Specifications per pallet		Imperial	Metric
90 mm	Cubing	**24.61 ft²**	2.29 m²
		83.36 lin. ft	25.41 lin. m
	Weight	2 060 lbs	934 kg
	Minimum radius	8.5 ft	2.6 m
	Number of rows	8	
	Coverage per row	3.08 ft²/row	0.29 m²/row
	Linear coverage per row	10.42 lin. ft/row	3.18 lin. m/row

A

Unit dimensions	in	mm	Units / pallet
Height	3 9/16	90	64 units
Depth	9 13/16	249	
Length 1	15 5/8	397	
Length 2	14 1/4	362	

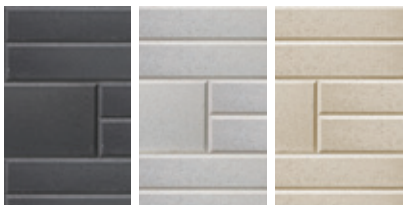
Specifications per pallet		Imperial	Metric
180 mm	Cubing	**24.61 ft²**	2.29 m²
		41.68 lin. ft	12.70 lin. m
	Weight	2 071 lbs	939 kg
	Minimum radius	8.5 ft	2.6 m
	Number of rows	4	
	Coverage per row	6.15 ft²/row	0.57 m²/row
	Linear coverage per row	10.42 lin. ft/row	3.18 lin. m/row

A

Unit dimensions	in	mm	Units / pallet
Height	7 1/16	180	32 units
Depth	9 13/16	249	
Length 1	15 5/8	397	
Length 2	14 1/4	362	

SMOOTH

onyx black | greyed nickel | beige cream

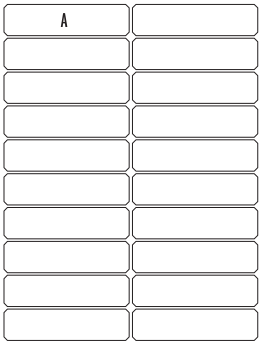


Raffinato

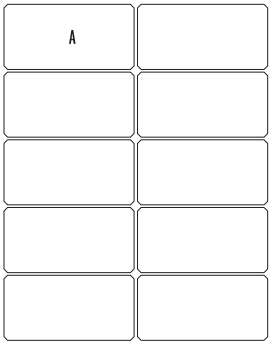
90 mm & 180 mm, Pillars, corners and edges, Polished

DESCRIPTION: Pillars, corners and edges
TEXTURE: Polished

PALLET OVERVIEW - **90 mm**



PALLET OVERVIEW - **180 mm**



Specifications per pallet		Imperial	Metric
90 mm	Cubing	**40 units**	40 units
	Weight	1 559 lbs	707 kg
	Number of rows	2	
	Pillar height	35 7/16"	900 mm

Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	40 units
Depth	9 3/4	248	
Length	14 1/16	357	

Specifications per pallet		Imperial	Metric
180 mm	Cubing	**20 units**	20 units
	Weight	1 557 lbs	706 kg
	Number of rows	2	
	Pillar height	35 7/16"	900 mm

Unit dimensions	in	mm	Units/pallet
Height	7 1/16	180	20 units
Depth	9 3/4	248	
Length	14 1/16	357	

APPLICATIONS

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

COMPATIBLE CAPS

Piedimonte 28" & Raffinato cap.

NOTES

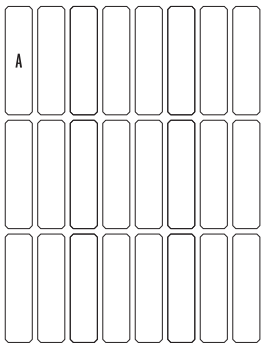
See page 224 for more technical information.

Raffinato

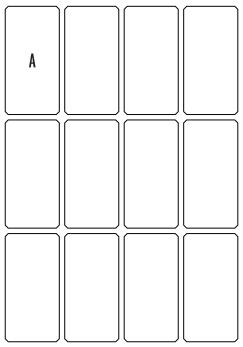
90 mm & 180 mm, Pillars, corners and edges, Smooth

DESCRIPTION: Pillars, corners and edges
TEXTURE: Smooth

PALLET OVERVIEW - **90 mm**



PALLET OVERVIEW - **180 mm**



Specifications per pallet		Imperial	Metric
90 mm	Cubing	**48 units**	48 units
	Weight	1 548 lbs	702 kg
	Number of rows	2	
	Pillar height	42 1/2"	1 080 mm

A

Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	48 units
Depth	9 13/16	249	
Length	14 1/8	359	

Specifications per pallet		Imperial	Metric
180 mm	Cubing	**24 units**	24 units
	Weight	1 529 lbs	694 kg
	Number of rows	2	
	Pillar height	42 1/2"	1 080 mm

A

Unit dimensions	in	mm	Units/pallet
Height	7 1/16	180	24 units
Depth	9 13/16	249	
Length	14 1/8	359	

APPLICATIONS

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

COMPATIBLE CAPS

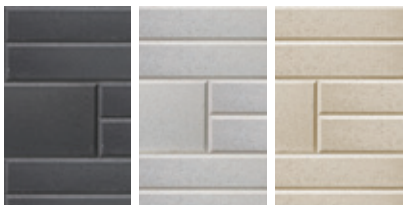
Piedimonte 28" & Raffinato cap.

NOTES

See page 224 for more technical information.

SMOOTH

onyx black | greyed nickel | beige cream



Röcka

Wall & Edge double-sided

DESCRIPTION: Wall & edge double-sided
TEXTURE: Natural stone (Fossil stone)

PALLET OVERVIEW - **ROW 1**

A	B
A	B
C	
A	B

PALLET OVERVIEW - **ROW 2**

A	B
C	
A	B
A	B

PALLET OVERVIEW - **ROW 3**

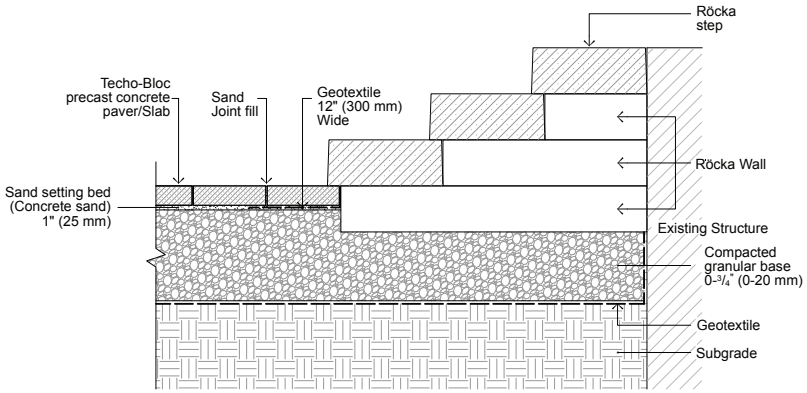
C	
A	B
A	B
C	

Specifications per pallet		Imperial	Metric
Cubing		**19.88 ft²**	1.85 m²
Weight		1 860 lbs	844 kg
Number of rows		3	
Coverage per row		6.63 ft²/row	0.62 m²/row
Coverage per unit	A	0.55 ft²/unit	0.05 m²/unit
	B	1.10 ft²/unit	0.10 m²/unit
	B	1.66 ft²/unit	0.15 m²/unit

A	Unit dimensions	in	mm	Units /pallet
	Height	6	152	8 units
	Depth 1	7 3/4	197	
	Depth 2	8	203	
	Length	13 1/4	337	

B				
	Height	6	152	8 units
	Depth 1	7 3/4	197	
	Depth 2	8	203	
	Length	26 1/2	673	

C				
	Height	6	152	4 units
	Depth 1	7 3/4	197	
	Depth 2	8	203	
	Length	39 3/4	1 010	



UTILISATIONS

Garden walls and double-sided walls. The Röcka wall can also be used as a staircase carriage to build a stair with the Röcka steps.

NOTES

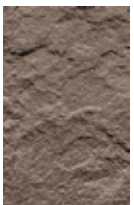
* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 162 for more technical information.

riviera

rock garden brown

chocolate brown



baja beige

TONE
DISTRIBUTION
MEDIUM

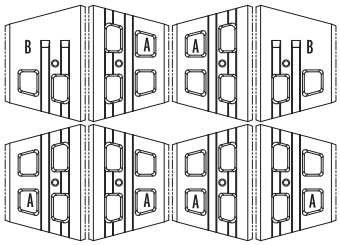
Semma

Split Face or Polished

DESCRIPTION: Wall double-sided
TEXTURE: Split face or polished

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

PALLET OVERVIEW



COMPATIBLE CAPS FOR SEMMA SPLIT FACE

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

COMPATIBLE CAPS FOR SEMMA POLISHED

Aged, Piedimonte, Prima 14" and York.

NOTES

When building a double-sided wall one pallet will cover an average of 21.74 ft².

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

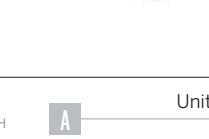
The corner unit can be used as a right or left corner unit and as a regular unit.
Metric measures are approximate.

See page 162 for more technical information.

Specifications per pallet		Imperial	Metric
		40 units	40 units
Cubing		26.25 ft²	2.44 m²
		53.33 lin ft	16.26 lin m
Weight	SPLIT FACE	2 363 lbs	1 072 kg
	POLISHED	2 232 lbs	1 012 kg
Weight by unit	A REGULAR	57 lbs	25.90 kg
	B CORNER	63.50 lbs	28.80 kg
Number of rows		5	
Coverage per row		5.25 ft²/row	0.49 m²/row
Linear coverage per row		10.67 lin ft/row	3.25 lin m/row

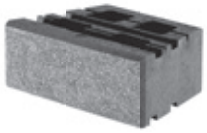
SPLIT FACE

	Unit dimensions	in	mm	Units/pallet
A REGULAR	Height	5 7/8	150	30 units
	Depth	11	279	
	Length 1	16	406	
	Length 2	10 1/2	267	
B CORNER	Height	5 7/8	150	10 units
	Depth	11	279	
	Length 1	16	406	
	Length 2	10 1/2	267	



POLISHED

	Unit dimensions	in	mm	Units/pallet
A REGULAR	Height	5 7/8	150	30 units
	Depth	10 13/16	274	
	Length 1	16	406	
	Length 2	10 1/2	267	
B CORNER	Height	5 7/8	150	10 units
	Depth	10 13/16	274	
	Length 1	16	406	
	Length 2	10 1/2	267	



SPLIT FACE

sandlewood | shale grey | mojave beige | champlain grey | chestnut brown

POLISHED

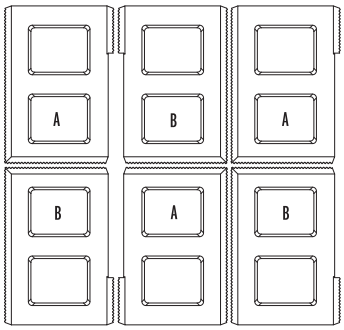
shale grey | chestnut brown

Semma

Corners or Pillars, Split Face or Polished

DESCRIPTION: Corners or pillars
TEXTURE: Split face or polished

PALLET OVERVIEW



APPLICATIONS

Semma pillars can also be used as corner blocks.

COMPATIBLE CAP

York Pillar Cap 32".

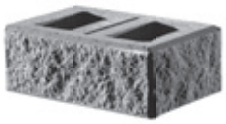
NOTES

See page 224 for more technical information.

Specifications per pallet		Imperial	Metric
Cubing		**24 units**	24 units
Weight	SPIT FACE	1 403 lbs	636 kg
	POLISHED	1 340 lbs	608 kg
Number of rows		4	
Pillar height		35 7/16"	900 mm

SPLIT FACE

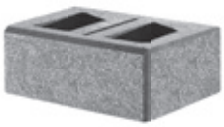
A-B



Unit dimensions	in	mm	Units/pallet
Height	5 7/8	150	24 units
Depth	10 1/2	266	12 right corners
Length	16	406	12 left corners

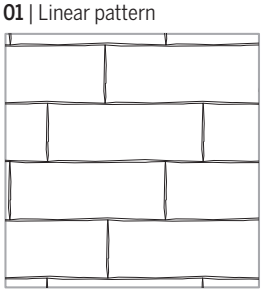
POLISHED

A-B

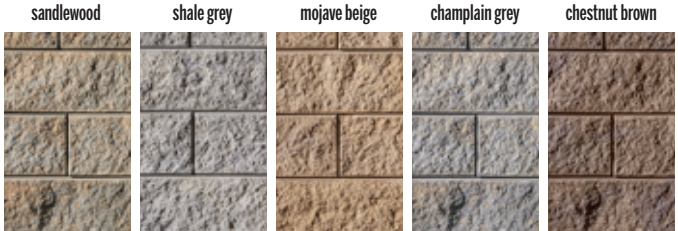


Unit dimensions	in	mm	Units/pallet
Height	5 7/8	150	24 units
Depth	10 7/16	264	12 right corners
Length	15 15/16	405	12 left corners

01 | Linear pattern



SPLIT FACE



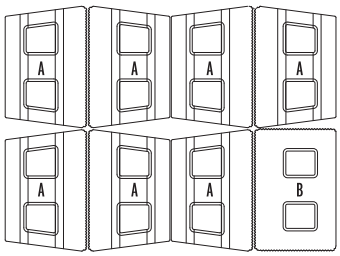
POLISHED

Suprema

Split face or Sculpted

DESCRIPTION: Wall
TEXTURE: Split face or sculpted

PALLET OVERVIEW



COMPATIBLE CAPS

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

NOTES

The corners for 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 162 for more technical information.

Specifications per pallet		Imperial	Metric
SPLIT FACE & SCULPTED	Cubing	**24 ft²**	2.23 m²
		36 lin. ft	10.97 lin. m
	Weight	2 560 lbs	1 161 kg
	Minimum radius	6 ft	1.82 m
	Number of rows	3	
	Coverage per row	8 ft²/row	0.74 m²/row
	Linear coverage per row	12 lin. ft/row	3.66 lin. m/row

A	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	

SPLIT FACE

sandlewood | shale grey | mojave beige | champlain grey

SCULPTED

sandlewood | shale grey | mojave beige | champlain grey

STEPS & CAPS

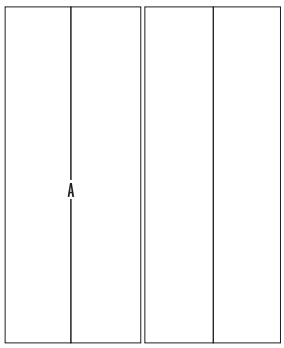
STEPS, CAPS (WALLS, COUNTERS AND PILLARS),
POOL COPPING & OVERLAY SYSTEMS

Borealis

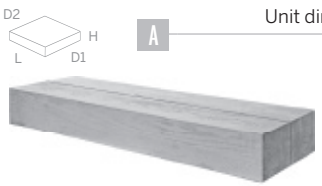
Step

DESCRIPTION: Step
TEXTURE: Wood

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**32 lin. ft/pal**	9.76 lin. m/pal
Weight	3 073 lbs	1 394 kg
Number of rows	4	
Coverage per row	8 lin. ft/row	2.44 lin. m/row
Linear coverage per units	4 lin. ft/unit	1.22 lin. m/unit



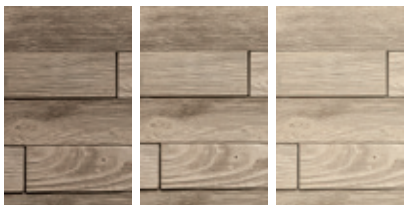
Unit dimensions	in	mm	Units/pallet
Height	6	152	8 units
Depth 1	15 3/4	400	
Depth 2	16	406	
Length	48	1 219	

NOTES

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 232 for more technical information.

smoked pine | hazelnut brandy | sauvignon oak

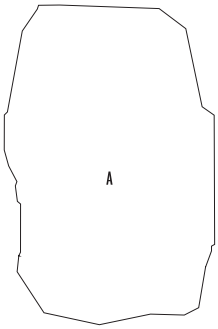


TONE DISTRIBUTION **HIGH**

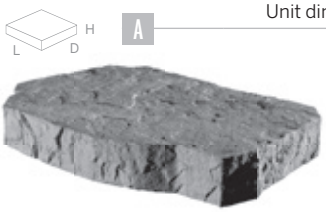
Maya
Step

DESCRIPTION: Step
TEXTURE: Natural stone (slate)

PALLET OVERVIEW



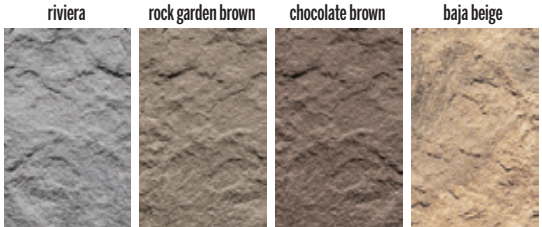
Specifications per pallet	Imperial	Metric
Cubing	**1 unit**	1 unit
Weight	715 lbs	324 kg
Number of rows	1	
Coverage (Approx.)	10.6 ft²/unit	0.98 m²/unit
Linear coverage (Approx.)	4 lin. ft/pal	1.22 lin. m/pal



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

NOTES

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.



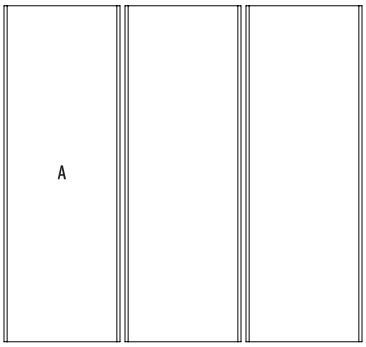
TONE DISTRIBUTION
MEDIUM

Raffinato

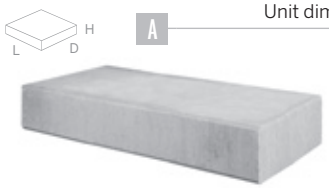
Step, Smooth

DESCRIPTION: Step
TEXTURE: Smooth

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**9 units**	9 units
Weight	3 236 lbs	1 468 kg
Number of rows	3	
Linear coverage per row	10.5 lin. ft/row	3.2 lin. m/row
Linear coverage per pallet	31.5 lin. ft/pal	9.6 lin. m/pal



Unit dimensions	in	mm	Units/pallet
Height	7 1/16	180	9 units
Depth	14 1/2	368	
Length	42	1 067	

NOTES

See page 232 for more technical information.

SMOOTH

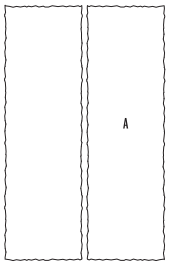
onyx black | greyed nickel | beige cream

Röcka

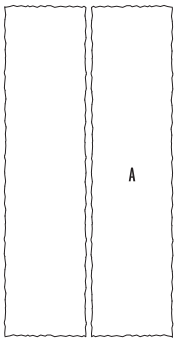
Steps

DESCRIPTION: Step
TEXTURE: Natural stone (Fossil stone)

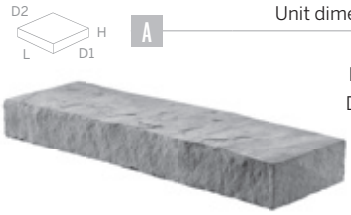
PALLET OVERVIEW - 48"



PALLET OVERVIEW - 60"

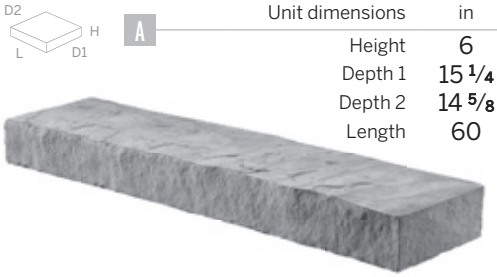


Specifications per pallet		Imperial	Metric
48" DOUBLE-SIDED	Cubing	**8 units**	8 units
	Weight	2 795 lbs	1 268 kg
	Number of rows	4	
	Linear coverage per pallet	32 lin. ft	9.75 lin. m
	Linear coverage per row	8 lin. ft/row	2.44 lin. m/row



Unit dimensions	in	mm	Units /pallet
Height	6	152	8 units
Depth 1	15	381	
Depth 2	14 5/8	359	
Length	48	1 219	

Specifications per pallet		Imperial	Metric
60"	Cubing	**2 units**	2 units
	Weight	995 lbs	451 kg
	Number of rows	1	
	Linear coverage per pallet	10 lin. ft/pal	3.05 lin. m/pal



Unit dimensions	in	mm	Units /pallet
Height	6	152	2 units
Depth 1	15 1/4	387	
Depth 2	14 5/8	371	
Length	60	1 524	

NOTES

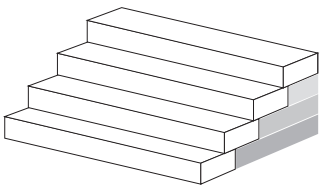
Röcka 48" is a double-sided step. Each side has slight natural texture differences. Please take that into consideration when installing them side by side. We recommend keeping the same texture together.

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.

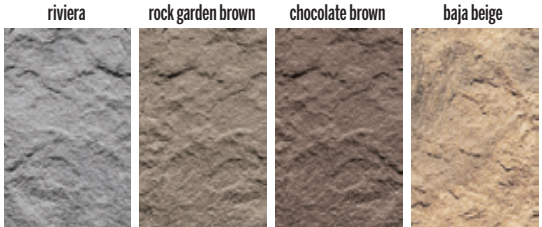
* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 232 for more technical information.



Röcka
Wall & Edge

When building a staircase, the Rocka wall can be used to complete the sides and act as part of a structural system. See the product specifications on page 85.



TONE DISTRIBUTION
MEDIUM

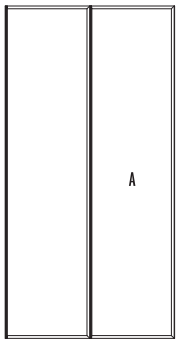
York 60"

Step

DESCRIPTION: Step

TEXTURE: Limestone surface with chiseled edges

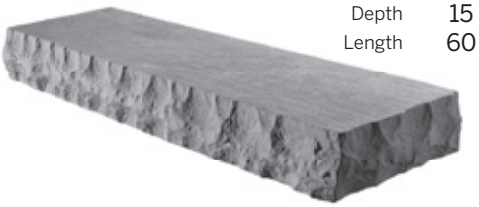
PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**2 units**	2 units
Linear coverage per pallet	10 lin. ft/pal	3.05 lin. m/pal
Weight	1 029 lbs	467 kg
Number of rows	1	

A

Unit dimensions	in	mm	Units/pallet
Height	6	152	2 units
Depth	15	381	
Length	60	1 524	



NOTES

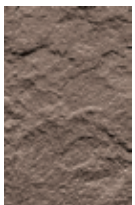
York is a single sided step chiseled on 3 sides.

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

riviera

rock garden brown

chocolate brown



baja beige

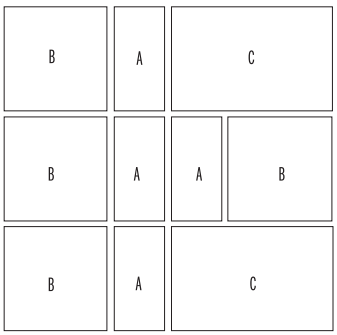
TONE DISTRIBUTION **HIGH**

Blu

45 mm, Slate

DESCRIPTION: Concrete Overlay System
TEXTURE: Slate

PALLET OVERVIEW



APPLICATIONS

Concrete overlay system.

NOTES

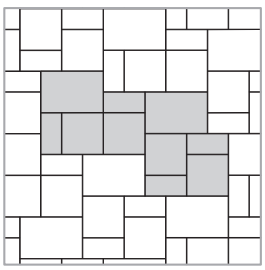
Blu 45 mm should only be used to overlay existing concrete patios.

See page 238 for more technical information.

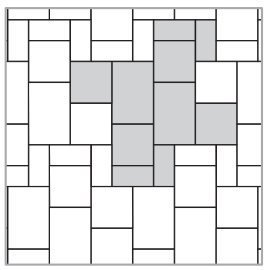
Specifications per pallet	Imperial	Metric
Cubing	**127.44 ft²**	11.84 m²
Weight	2 607 lbs	1 183 kg
Number of rows	12	
Coverage per row	10.62 ft²/row	0.99 m²/row

	Unit dimensions	in	mm	Units/pallet
A	Height	1 3/4	45	48 units
	Depth	13	330	
	Length	6 1/2	165	
B	Height	1 3/4	45	48 units
	Depth	13	330	
	Length	13	330	
C	Height	1 3/4	45	24 units
	Depth	13	330	
	Length	19 1/2	495	

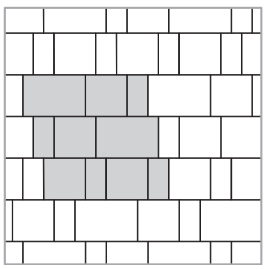
01 | Modular pattern



02 | Modular pattern



03 | Linear pattern



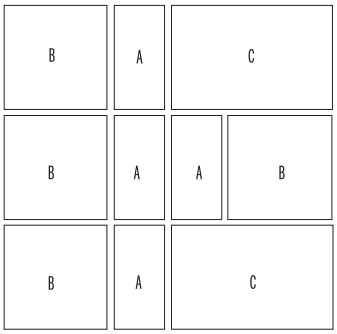
sandlewood | shale grey | mojave beige | champlain grey | harvest gold | chestnut brown | autumn red

Blu

45 mm, Smooth

DESCRIPTION: Concrete Overlay System
TEXTURE: Smooth

PALLET OVERVIEW



APPLICATIONS

Concrete overlay system.

NOTES

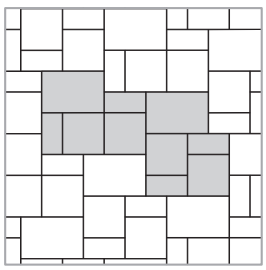
Blu 45 mm should only be used to overlay existing concrete patios.

See page 238 for more technical information.

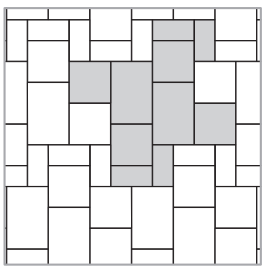
Specifications per pallet	Imperial	Metric
Cubing	**127.44 ft²**	11.84 m²
Weight	2 560 lbs	1 161 kg
Number of rows	12	
Linear coverage per row	10.62 ft²/row	0.99 m²/row

	Unit dimensions	in	mm	Units/pallet
A	Height	1 ¾	45	48 units
	Depth	13	330	
	Length	6 ½	165	
B	Height	1 ¾	45	48 units
	Depth	13	330	
	Length	13	330	
C	Height	1 ¾	45	24 units
	Depth	13	330	
	Length	19 ½	495	

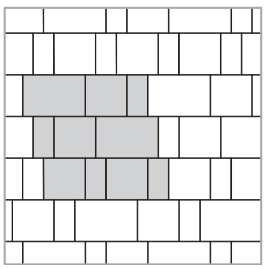
01 | Modular pattern



02 | Modular pattern



03 | Linear pattern



shale grey

champlain grey

chestnut brown

onyx black

greyed nickel

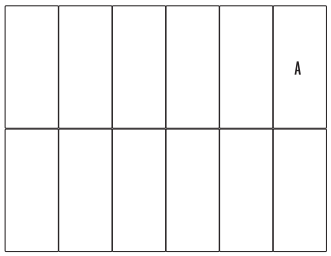
beige cream

Venetian

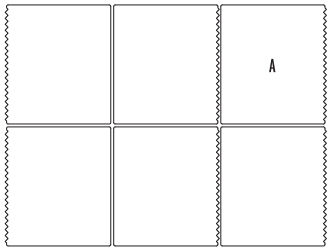
Step Overlay System, Slate

DESCRIPTION: Step Overlay System
TEXTURE: Slate

PALLET OVERVIEW - RISER



PALLET OVERVIEW - CAP



Specifications per pallet		Imperial	Metric
RISER	Cubing	**48 units**	48 units
	Weight	811 lbs	368 kg
	Units	1.33 lin. ft	0.41 lin. m
	Number of rows	4	
	Linear coverage per pallet	64 lin. ft/pal	19.52 lin. m/pal
	Linear coverage per row	16 lin. ft/row	4.88 lin. m/row

A

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

Specifications per pallet		Imperial	Metric
CAP	Cubing	**48 units**	48 units
	Weight	1 500 lbs	680 kg
	Units	1.33 lin. ft	0.41 lin. m
	Number of rows	8	
	Linear coverage per pallet	64 lin. ft/pal	19.52 lin. m/pal
	Linear coverage per row	8 lin. ft/row	2.44 lin. m/row

A

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

APPLICATIONS

Step overlay system.

NOTES

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

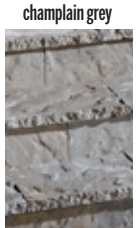
See page 238 for more technical information.

sandlewood

shale grey

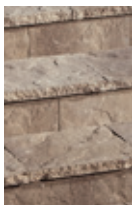
mojave beige

champlain grey



harvest gold

chestnut brown

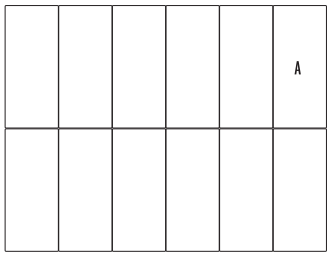


Venetian

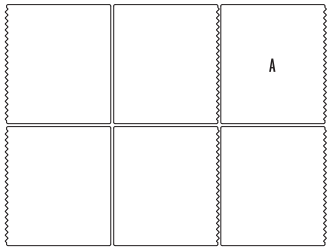
Step Overlay System, Smooth

DESCRIPTION: Step Overlay System
TEXTURE: Smooth

PALLET OVERVIEW - **RISER**



PALLET OVERVIEW - **CAP**



Specifications per pallet		Imperial	Metric
RISER	Cubing	**48 units**	48 units
	Weight	811 lbs	368 kg
	Units	1.30 lin. ft	0.40 lin. m
	Number of rows	4	
	Linear coverage per pallet	62.52 lin. ft/pal	19.06 lin. m/pal
	Linear coverage per row	15.63 lin. ft/row	4.76 lin. m/row

A

Unit dimensions	in	mm	Units/pallet
Height	1 3/4	45	48 units
Depth	7	178	
Length	15 5/8	397	

Specifications per pallet		Imperial	Metric
CAP	Cubing	**48 units**	48 units
	Weight	1 500 lbs	680 kg
	Units	1.30 lin. ft	0.40 lin. m
	Number of rows	8	
	Linear coverage per pallet	62.52 lin. ft	19.06 lin. m
	Linear coverage per row	7.81 lin. ft/row	2.38 lin. m/row

A

Unit dimensions	in	mm	Units/pallet
Height	1 3/4	45	48 units
Depth	14	356	
Length	15 5/8	397	

APPLICATIONS

Step overlay system.

NOTES

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

See page 238 for more technical information.

shale grey

champlain grey

chestnut brown

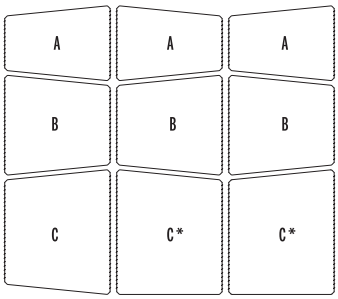
greyed nickel

beige cream

Aged
Cap Double-Sided

DESCRIPTION: Cap Double-Sided
TEXTURE: Split Face and aged

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
Cubing	**FULL PALLET**	**66 lin. ft**	20.12 lin. m
	***HALF-PALLET**	**33 lin. ft**	10.06 lin. m
Weight	**FULL PALLET**	1 940 lbs	880 kg
	***HALF-PALLET**	1 220 lbs	553 kg
Number of rows	**FULL PALLET**	8	
	***HALF-PALLET**	4	
Linear coverage per row		8.25 lin. ft/row	2.51 lin. m/row

A	Unit dimensions	in	mm	Units/pallet
	Height	2 15/16	75	24 units
	Depth	12 1/2	317	
	Length 1	8 7/8	225	
	Length 2	6 1/2	165	

B				
	Height	2 15/16	75	24 units
	Depth	12 1/2	317	
	Length 1	11 13/16	300	
	Length 2	9 7/16	240	

C				
	Height	2 15/16	75	8 units
	Depth	12 1/2	317	
	Length 1	14 3/4	375	
	Length 2	12 3/8	315	

C*				
	Height	2 15/16	75	16 units
	Depth	12 1/2	317	
	Length 1	14 3/4	375	
	Length 2	13 9/16	345	

APPLICATIONS

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

COMPATIBLE WALLS

Baltimore 90 mm & 180 mm, Escala 3.5", Manchester, Mini-Creta 3" & 6", Mini-Creta 3" & 6" Architectural and Semma splt face and polished.

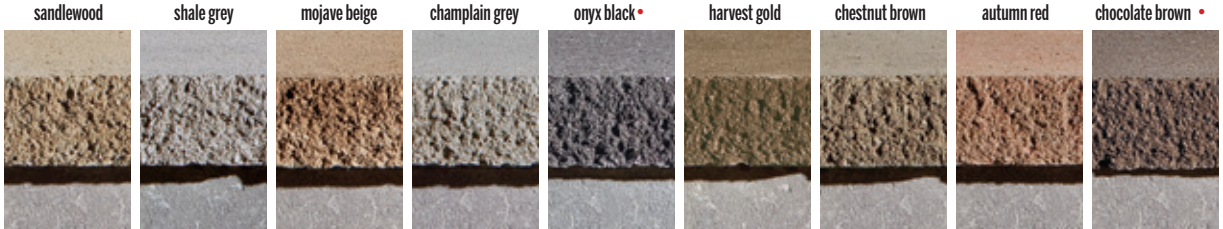
NOTES

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.

sandlewood | shale grey | mojave beige | champlain grey | onyx black • | harvest gold | chestnut brown | autumn red | chocolate brown •

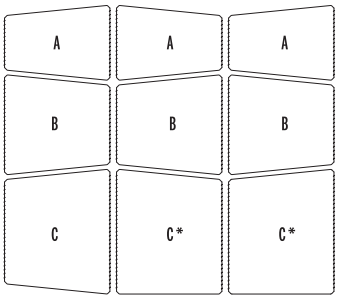


Architectural
Cap

DESCRIPTION: Cap Double-Sided
TEXTURE: Split Face

NEW PRODUCT

PALLET OVERVIEW



APPLICATIONS

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

COMPATIBLE WALLS

Baltimore 90 mm & 180 mm, Manchester, Mini-Creta 3" & 6", Mini-Creta 3" & 6" Architectural and Semma split face.

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.

Specifications per pallet	Imperial	Metric
Cubing	**66 lin. ft**	20.12 lin. m
Weight	2 390 lbs	1 084 kg
Number of rows	8	
Linear coverage per row	8.25 lin. ft/row	2.51 lin. m/row

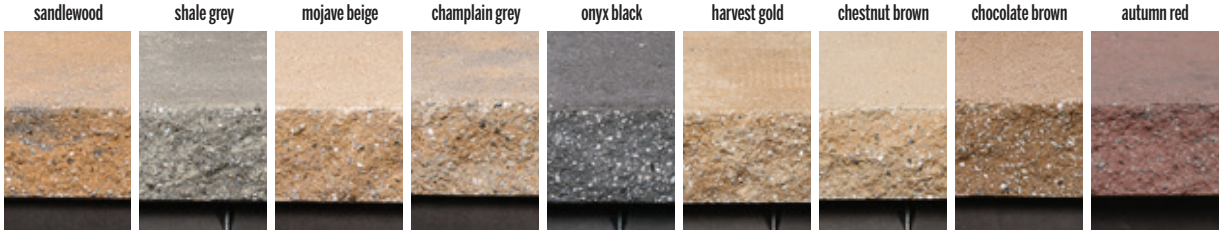
A	Unit dimensions	in	mm	Units/pallet
	Height	2 15/16	75	24 units
	Depth	12 1/2	317	
	Length 1	8 7/8	225	
	Length 2	6 1/2	165	

B				
	Height	2 15/16	75	24 units
	Depth	12 1/2	317	
	Length 1	11 13/16	300	
	Length 2	9 7/16	240	

C				
	Height	2 15/16	75	8 units
	Depth	12 1/2	317	
	Length 1	14 3/4	375	
	Length 2	12 3/8	315	

C*				
	Height	2 15/16	75	16 units
	Depth	12 1/2	317	
	Length 1	14 3/4	375	
	Length 2	13 9/16	345	

sandlewood | shale grey | mojave beige | champlain grey | onyx black | harvest gold | chestnut brown | chocolate brown | autumn red

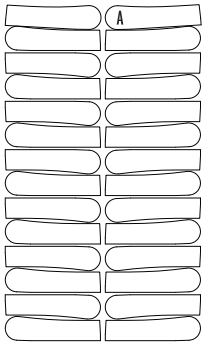


Bali Travertina

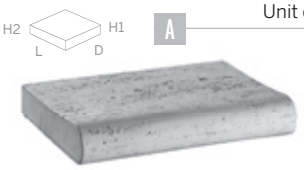
Pool Coping

DESCRIPTION: Pool Coping
TEXTURE: Travertine

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**28 units**	28 units
Linear coverage per pallet	37.34 lin. ft/pal	11.38 lin. m/pal
Weight	1 091 lbs	495 kg
Number of rows	2	
Linear coverage per row	18.67 lin. ft/row	5.69 lin.m/row



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

APPLICATION

Pool coping.

NOTES

Palletized upright.

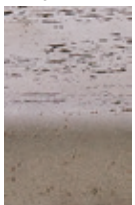
Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 237 for more technical information.

riviera

rock garden brown



ivory

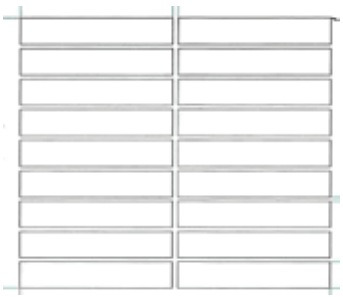
TONE DISTRIBUTION **HIGH**

Brandon
Cap

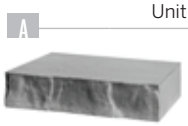
DESCRIPTION: Cap
TEXTURE: Slate

NEW PRODUCT

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
Cubing	FULL PALLET	**24 lin. ft**	7.32 lin. m
Weight	FULL PALLET	1 213 lbs	550 kg
Linear coverage per row		24 lin. ft/row	7.32 lin. m/row
		1 lin. ft =.75 units	1 lin. m =2.46 units



Unit dimensions	in	mm	Units /pallet
Height	3 9/16	90	18 units
Depth	14	356	
Length	16	406	

APPLICATIONS

The Brandon cap may be used for single-sided walls and stairs.

COMPATIBLE WALLS

Brandon 90 & 180 mm, Baltimore 90 & 180 mm, Mini-Creta Collection, Semma

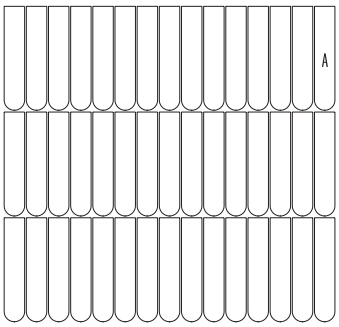
sandlewood | shale grey | chestnut brown | champlain grey | onyx black

Bullnose

Cap & pool coping

DESCRIPTION: Cap and Pool Coping
TEXTURE: Smooth

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
Cubing	**FULL PALLET**	**180 units**	180 units
Linear coverage per pallet		88.60 lin. ft	27 lin. m
	***HALF-PALLET**	**90 units**	90 units
Linear coverage per pallet		44.30 lin. ft	13.50 lin. m
Units		2 units/lin. ft	6.56 units/lin. m
Weight	**FULL PALLET**	2 454 lbs	1 113 kg
	***HALF-PALLET**	1 250 lbs	567 kg
Number of rows	**FULL PALLET**	4	
	***HALF-PALLET**	2	
Linear coverage per row		22.15 lin. ft/row	6.75 lin. m/row
		1 lin. ft =2.03 units	1 lin. m =6.67 units

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

APPLICATIONS

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

COMPATIBLE WALLS

Mini-Creta 3" & 6", Mini-Creta 3" & 6" Architectural and Semma split face.

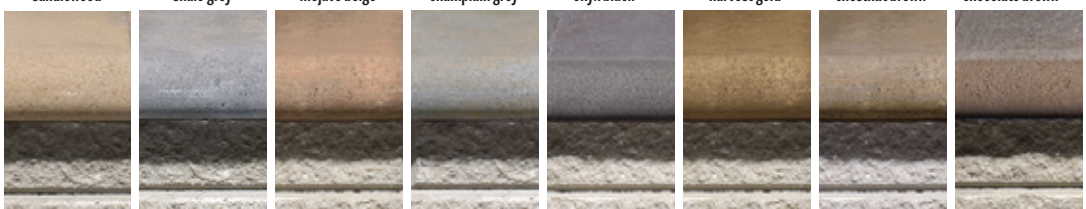
NOTES

* Colours only available in half-pallets.

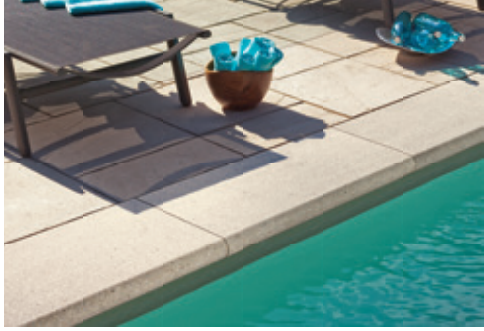
Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

See page 237 for more technical information.

sandlewood | shale grey | mojave beige | champlain grey | onyx black * | harvest gold | chestnut brown | chocolate brown *



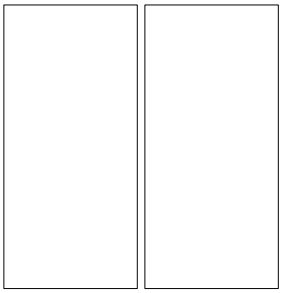
Bullnose Grande
Cap



DESCRIPTION: Cap and pool coping
TEXTURE: Smooth and grinded

NEW PRODUCT

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**12 units**	12 units
Linear coverage per pallet	29.53 lin. ft	9 lin. m
Weight	891 lbs	404 kg
Number of rows	6	
Linear coverage per row	4.92 lin. ft/row	1.50 lin. m/row

A

Unit dimensions	in	mm	Units/pallet
Height	2 3/8	60	12 units
Depth	13 7/8	353	
Length	29 1/2	750	

APPLICATIONS

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

COMPATIBLE WALLS

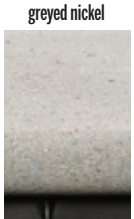
Raffinato smooth and polished.

NOTES

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

See page 237 for more technical information.

greyed nickel



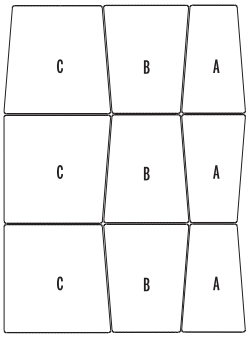
beige cream

Escala 3.5"

Cap Double-Sided

DESCRIPTION: Cap Double-Sided
TEXTURE: Smooth surface, split & aged edge

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**56.70 lin. ft**	17.28 lin. m
Weight	3 007 lbs	1 363 kg
Number of rows	7	
Linear coverage per row	8.10 lin. ft/row	2.47 lin. m/row

A	Unit dimensions	in	mm	Units/pallet
	Height	3 9/16	90	21 units
	Depth	14 15/16	380	
	Length 1	8 7/8	225	
	Length 2	6 1/2	165	

B				
	Height	3 9/16	90	21 units
	Depth	14 15/16	380	
	Length 1	11 13/16	300	
	Length 2	9 7/16	240	

C				
	Height	3 9/16	90	21 units
	Depth	14 15/16	380	7 right corners
	Length 1	14 3/4	375	7 left corners
	Length 2	12 3/8	315	7 regular units

APPLICATIONS

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

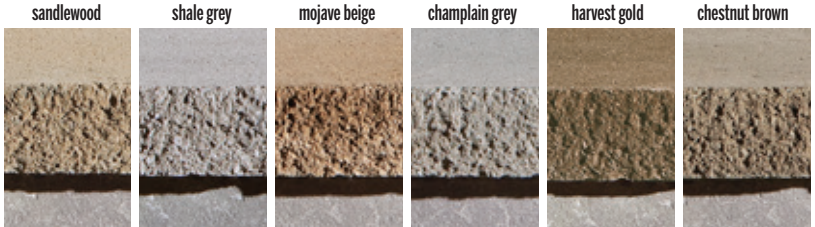
COMPATIBLE WALLS

Baltimore 90 mm & 180 mm, Escala 3.5", Manchester and Mini-Creta 3" & 6", Mini-Creta 3" & 6" Architectural and Semma split face.

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.

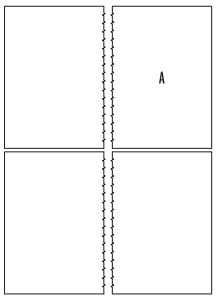


Graphix
Reversible Cap

DESCRIPTION: Reversible Cap
TEXTURE: Split Face and smooth

NEW PRODUCT

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**28 units**	28 units
	46.70 lin. ft	14.30 lin. m
Units	0.60 unit/lin. ft	1.97 unit/lin. m
Weight	1 950 lb	885 kg
Number of rows	7	
	6.67 lin. ft/row	2.04 lin. m/row
	1 lin. ft = 0.60 unit	1.96 lin. m/unit

A

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

split face side

smooth side

APPLICATIONS

Graphix Cap can be used for steps, single and double sided walls.

COMPATIBLE WALLS

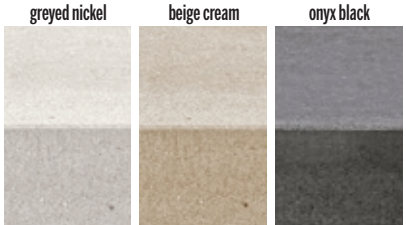
Graphix, raffinato, semma and suprema wall.

NOTES

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

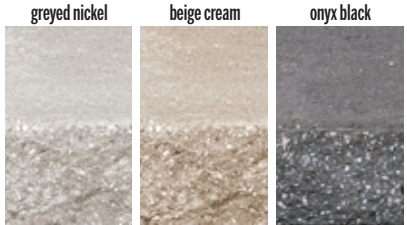
smooth side

greyed nickel | beige cream | onyx black



split side

greyed nickel | beige cream | onyx black

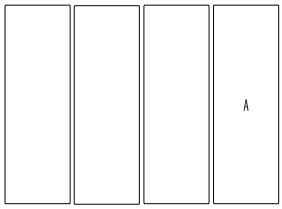


Piedimonte

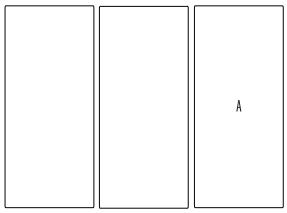
Caps Double-Sided

DESCRIPTION: Caps Double-Sided
TEXTURE: Smooth

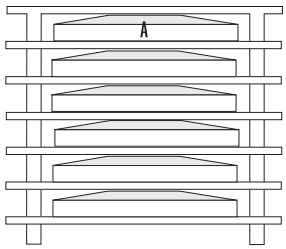
PALLET OVERVIEW - 12"×30"



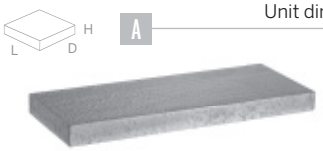
PALLET OVERVIEW - 14"×30"



PALLET SIDE VIEW - 28"×28"

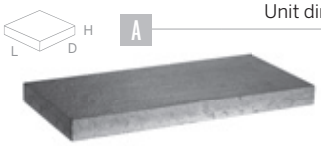


Specifications per pallet		Imperial	Metric
12×30 WALL CAP	Cubing	**80 lin. ft**	24.39 lin. m
	Weight	2 004 lbs	909 kg
	Number of rows	8	
	Linear coverage per row	10 lin. ft/row	3.05 lin. m/row



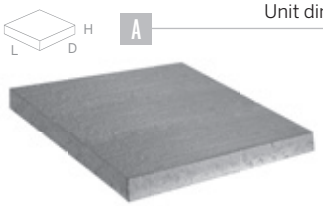
Unit dimensions	in	mm	Units/pallet
Height	2 1/4	57	32 units
Depth	11 3/4	298	
Length	30	762	

Specifications per pallet		Imperial	Metric
14×30 WALL & STEP CAP	Cubing	**60 lin. ft**	18.29 lin. m
	Weight	1 840 lbs	835 kg
	Number of rows	8	
	Linear coverage per row	7.5 lin. ft/row	2.29 lin. m/row



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

Specifications per pallet		Imperial	Metric
28×28 PILLAR CAP	Cubing	**6 units**	6 units
	Weight	1 434 lbs	650 kg
	Number of rows	6	



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

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

Baltimore 90 mm & 180 mm, Brandon 90 mm & 180 mm, Escala 3.5", Graphix, Manchester, Mini-Creta 3" & 6", Mini-Creta 3" & 6" Architectural, Prescott 2.25" & 4.5", Raffinato 90 mm & 180 mm, Semma split face & polished and Suprema.

NOTES

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

To acheive a natural appearance, stone dimension can vary up to 1/4".

Metric measures are approximate.

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

COMPATIBLE PILLARS FOR PIEDIMONTE PILLAR CAP 28"×28"

Brandon 90 mm and 180 mm, Pillar 24" (Mini-Creta 3" and 6"), Pillar 24" (Mini-Creta 6" Architectural), Raffinato 90 mm and 180 mm (smooth and polished) and Semma split face.

riviera | onyx black | rock garden brown

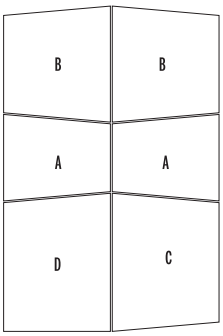
TONE DISTRIBUTION **HIGH**

Portofino

Cap Double-Sided

DESCRIPTION: Cap Double-Sided
TEXTURE: Natural stone (Fossil stone)

PALLET OVERVIEW



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

Baltimore 90 mm & 180 mm, Brandon 90 mm & 180 mm, Escala 3.5, Manchester, Mini-Creta 3" & 6", Mini-Creta 3" & 6" Architectural, Prescott 2.25" & 4.5", Raffinato 90 mm & 180 mm, Semma split face, Suprema & Brandon Wall.

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.

To acheive a natural appearance, stone dimension can vary up to ¼".

Metric measures are approximate.

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

Specifications per pallet	Imperial	Metric
Cubing	**50.22 lin. ft**	15.30 lin. m
Weight	1 712 lbs	777 kg
Number of rows	7	

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

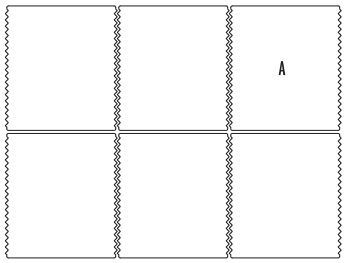
riviera | onyx black | rock garden brown | chocolate brown | azzurro | baja beige

TONE DISTRIBUTION **MEDIUM**

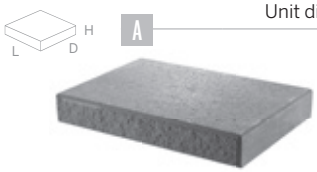
Prima 14"
Cap Double-Sided

DESCRIPTION: Cap Double-Sided
TEXTURE: Smooth surface, split and aged edge

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**48 units**	48 units
Weight	2 655 lbs	1 204 kg
Number of rows	8	
Linear coverage per pallet	64 lin. ft/pal	19.51 lin. m/pal
Linear coverage per row	8 lin. ft/row	2.44 lin. m/row
	1 lin. ft = 0.75 unit	1 lin. m = 2.46 units



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

APPLICATIONS

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

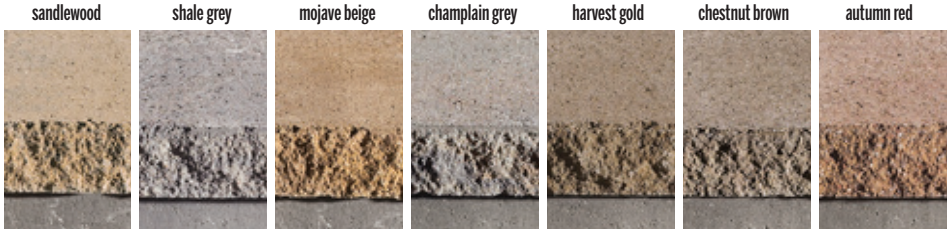
COMPATIBLE WALLS

Baltimore 90 mm & 180 mm, Escala 3.5", Manchester, Mini-Creta 3" & 6", Mini-Creta 3" & 6" Architectural, Semma split face & polished and Suprema.

NOTES

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

sandlewood | shale grey | mojave beige | champlain grey | harvest gold | chestnut brown | autumn red

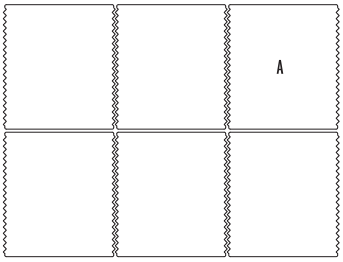


Prima 14"

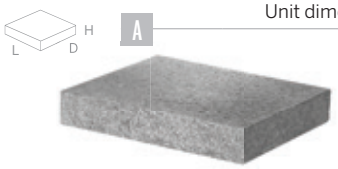
Cap Double-Sided, Polished

DESCRIPTION: Cap Double-Sided
TEXTURE: Polished

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**48 units**	48 units
Weight	2 655 lbs	1 204 kg
Number of rows	8	
Linear coverage per pallet	64 lin. ft/pal	19.51 lin. m/pal
Linear coverage per row	8 lin. ft/row	2.44 lin. m/row
	1 lin. ft = 0.75 unit	1 lin. m = 2.46 units



Unit dimensions	in	mm	Units / pallet
Height	2 15/16	75	48 units
Depth	13 3/4	350	
Length	16	406	

APPLICATIONS

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

COMPATIBLE WALLS

Baltimore 90 mm & 180 mm, Escala 3.5", Manchester, Mini-Creta 3" & 6", Mini-Creta 3" & 6" Architectural, Semma split face & polished and Suprema.

NOTES

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

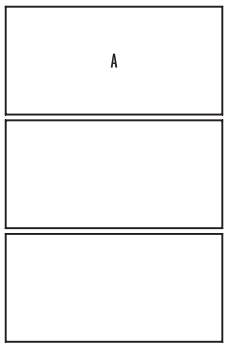
shale grey | chestnut brown | onyx black | greyed nickel | beige cream

Raffinato

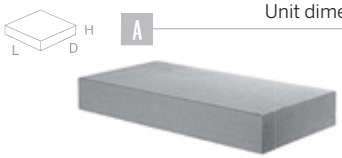
Cap double-sided, 14"×28"

DESCRIPTION: Cap double-sided
TEXTURE: Smooth

PALLET OVERVIEW - **14×28**



Specifications per pallet		Imperial	Metric
14"×28"	Cubing	**24 units**	24 units
	Weight	3 175 lbs	1 440 kg
	Number of rows	8	
	Linear coverage per pallet	56 lin. ft/pal	17.07 lin. m/pal
	Linear coverage per row	7 lin. ft/row	2.13 lin. m/row



Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	24 units
Depth	14	356	
Length	28	711	

APPLICATIONS

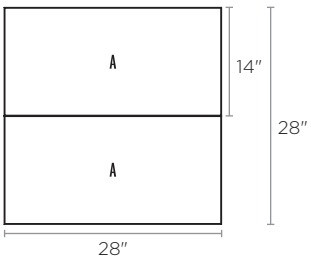
Double-sided walls, caps for bench seats, ramps and balustrades.

COMPATIBLE WALLS

Brandon 90 mm & 180 mm, Graphix, Manchester, Mini-Creta 3" & 6", Mini-Creta 3" & 6" architectural, Prescott 2.25" and 4.5", Raffinato 90 mm & 180 mm, Semma split face and Suprema.

NOTES

By placing two units side by side, you will obtain a 28" pillar cap.



COMPATIBLE PILLARS

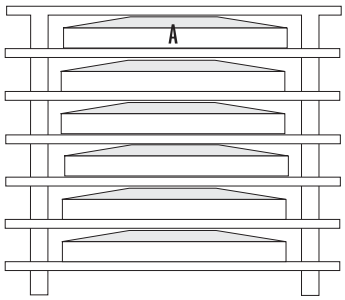
Pillar 24 (Mini-Creta 3" & 6"), Pillar 24 (Mini-Creta 6" Architectural), Manchester, Prescott 2,25 & 4,5, Raffinato 90 mm & 180 mm (smooth & polished).

Stonedge

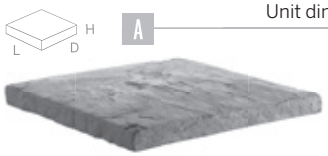
Pillar cap

DESCRIPTION: Pillar Cap
TEXTURE: Natural stone (slate)

PALLET SIDE VIEW



Specifications per pallet	Imperial	Metric
Cubing	**6 units**	6 units
Weight	1 438 lbs	652 kg
Number of rows	6	



Unit dimensions	in	mm	Units / pallet
Height	2 ¼	57	6 units
Width	28	711	
Length	28	711	

COMPATIBLE PILLARS - STONEDGE 28"

Pillar 24" (Mini-Creta 3" & 6"), Pillar 24" (Mini-Creta 6" Architectural), Manchester and Prescott 2.25" & 4.5".

NOTES

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

To acheive a natural appearance, stone dimension can vary up to ¼".

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

onyx black | chocolate brown | baja beige

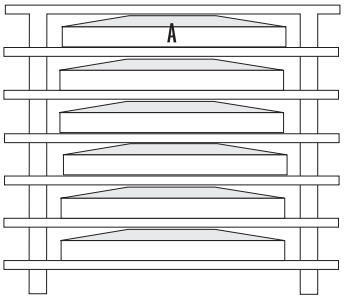
TONE DISTRIBUTION
MEDIUM

York

Pillar Caps

DESCRIPTION: Pillar Caps
TEXTURE: Limestone surface with chiseled edges

PALLET SIDE VIEW **28" AND 32"**



APPLICATIONS

York caps are also 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.

COMPATIBLE PILLARS - **YORK 28"**

Brandon 90 mm & 180 mm, Pillar 24" (Mini-Creta 3" & 6"), Pillar 24" (Mini-Creta 6" Architectural), Raffinato 90 mm & 180 mm.

COMPATIBLE PILLARS - **YORK 32"**

Semma (split face and polished).

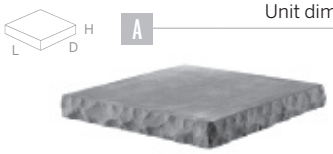
NOTES

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

To acheive a natural appearance, stone dimension can vary up to ¼".

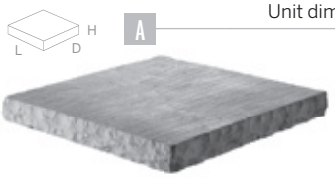
* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

Specifications per pallet		Imperial	Metric
28"	Cubing	**6 units**	6 units
	Weight	1 676 lbs	760 kg
	Number of rows	6	



Unit dimensions	in	mm	Units / pallet
Height	3 ½	89	6 units
Width	28 ¾	730	
Length	28 ¾	730	

Specifications per pallet		Imperial	Metric
32"	Cubing	**6 units**	6 units
	Weight	2 083 lbs	945 kg
	Number of rows	6	



Unit dimensions	in	mm	Units / pallet
Height	3 ½	89	6 units
Width	32	813	
Length	32	813	

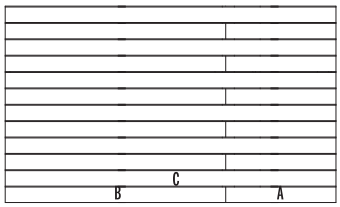
riviera | onyx black | rock garden brown | chocolate brown | ivory

TONE DISTRIBUTION **HIGH**

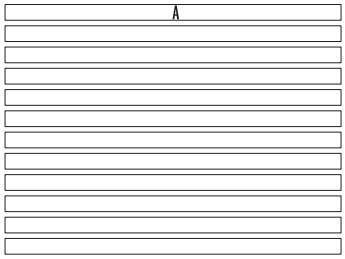
York
Wall Caps

DESCRIPTION: Wall Caps
TEXTURE: Limestone surface with chiseled edges

PALLET OVERVIEW - 14"×16", 14"×32" & 14"×48"



PALLET OVERVIEW - 14×48



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.

COMPATIBLE WALLS

Baltimore 90 mm & 180 mm, Brandon 90 mm & 180 mm, Escala 3.5", Mini-Creta 3" & 6", Mini-Creta 3" & 6" Architectural, Prescott 2.25" & 4.5", Semma and Suprema.

NOTES

Palletized upright.

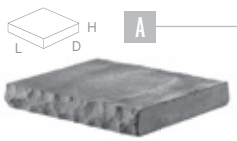
Techo-Bloc always recommends gluing the caps with concrete adhesive to ensure stability and safety.

To acheive a natural appearance, stone dimension can vary up to ¼".

Metric measures are approximate.

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

Specifications per pallet (14"×16", 14"×32", 14"×48")	Imperial	Metric
Cubing	**48 lin. ft**	14.63 lin. m
Weight	1 597 lbs	724 kg
Number of rows	1	
Linear coverage per pallet	48 lin. ft/pal	14.63 lin. m/pal



A

Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	6 units
Depth	14	356	
Length	16	406	

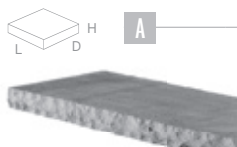
B

Height	2 ¼	57	6 units
Depth	14	356	
Length	32	813	

C

Height	2 ¼	57	6 units
Depth	14	356	
Length	48	1 219	

Specifications per pallet (14"×48")	Imperial	Metric
Cubing	**48 lin. ft**	14.63 lin. m
Weight	1 582 lbs	718 kg
Number of rows	1	
Linear coverage per unit	4 lin. ft/unit	1.22 lin. m/unit



A

Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	12 units
Depth	14	356	
Length	48	1 219	

TONE
DISTRIBUTION
HIGH

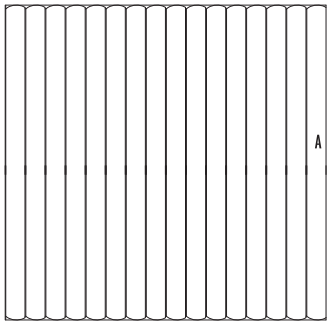
riviera | onyx black | rock garden brown | chocolate brown | ivory

York

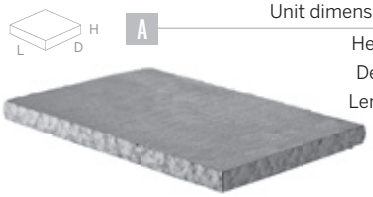
Counter Top 24"×36"

DESCRIPTION: Counter Top
TEXTURE: Limestone surface with chiseled edges

PALLET OVERVIEW



Specifications per pallet		Imperial	Metric
24"×36"	Cubing	**16 units**	16 units
	Weight	2 595 lbs	1 177 kg
	Number of rows	1	



Unit dimensions	in	mm	Units/pallet
Height	2 ¼	57	16 units
Depth	24	610	
Length	36	914	

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.

To acheive a natural appearance, stone dimension can vary up to ¼".

Metric measures are approximate.

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

riviera | onyx black | rock garden brown | chocolate brown | ivory

TONE DISTRIBUTION
HIGH

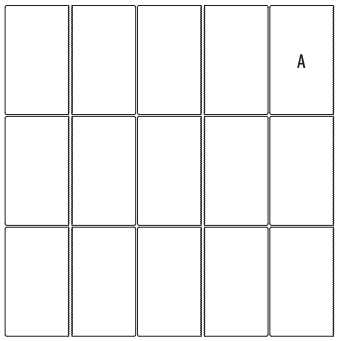
EDGES

EDGES & BORDERS

Avignon

DESCRIPTION: Edge
TEXTURE: Chiseled top and one sculpted side

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**90 units**	90 units
Linear coverage per pallet	90 lin. ft	27.44 lin. m
Weight	2 785 lbs	1 263 kg
Number of rows	6	
Linear coverage per row	15 lin. ft/row	4.57 lin. m/row
	1 lin. ft = 1 unit	1 lin. m = 3.28 units

A

Unit dimensions	in	mm	Units/pallet
Height	7	178	90 units
Depth	4 ½	114	
Length	12	305	

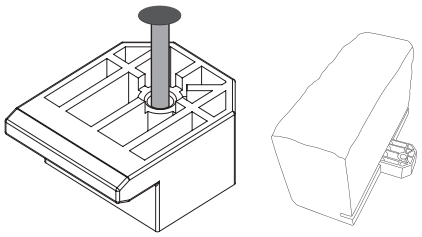
NOTES

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 152 for more technical information.

PLASTIC EDGE RESTRAINT SYSTEM.
(Nail is not included)



sandlewood | shale grey | mojave beige | champlain grey | harvest gold | chestnut brown

Borealis

DESCRIPTION: Edge
TEXTURE: Wood

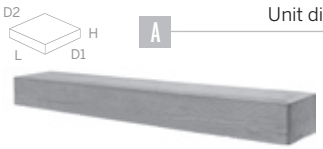
PALLET OVERVIEW

A

NOTES

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

Specifications per pallet	Imperial	Metric
Cubing	**32 ft²**	2.97 m²
Linear coverage per pallet	64 lin. ft/pal	19.51 lin. m/pal
Weight	3 042 lbs	1 380 kg
Number of rows	4	
Coverage per row	8 ft²/row	0.74 m²/row
Coverage per unit	2 ft²/unit	0.19 m²/unit
Linear coverage per unit	4 lin. ft/unit	1.22 lin. m/unit



Unit dimensions	in	mm	Units/pallet
Height	6	152	16 units
Depth 1	7 3/4	197	
Depth 2	8	203	
Length	48	1 219	

smoked pine

hazelnut brandy

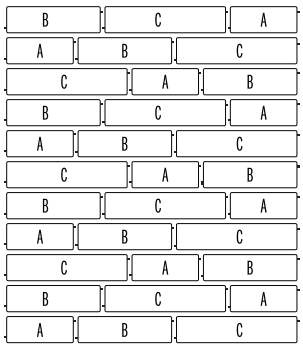
sauvignon oak

TONE DISTRIBUTION **HIGH**

Brandon

DESCRIPTION: Edge
TEXTURE: Slate

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**140.75 lin. ft**	42.90 lin. m
Weight	3 827 lbs	1 736 kg
Number of rows	4	
Linear coverage per row	35.19 lin. ft/row	10.73 lin. m/row

A	Unit dimensions	in	mm	Units/pallet
	Height	7 1/16	180	44 units
	Depth	3 15/16	100	
	Length	8 7/8	225	

B				
	Height	7 1/16	180	44 units
	Depth	3 15/16	100	
	Length	12 13/16	325	

C				
	Height	7 1/16	180	44 units
	Depth	3 15/16	100	
	Length	16 3/4	425	

EDGES

sandlewood

shale grey

champlain grey

onyx black

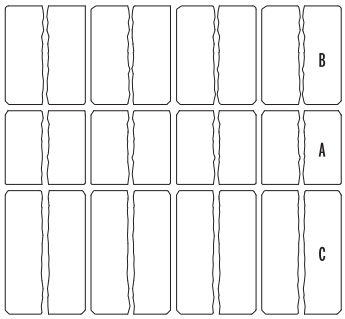
chestnut brown

chocolate brown

Pietra

DESCRIPTION: Edge
TEXTURE: Split face and aged

PALLET OVERVIEW



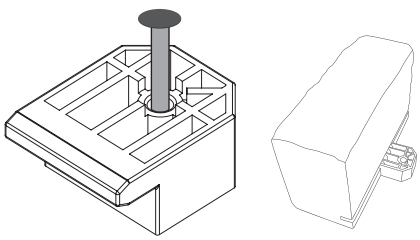
NOTES

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 152 for more technical information.

PLASTIC EDGE RESTRAINT SYSTEM.
(Nail is not included)



Specifications per pallet	Imperial	Metric
Cubing	**96 lin. ft**	29.20 lin. m
Weight	1 277 lbs	579 kg
Number of rows	4	
Linear coverage per row	24 lin. ft/row	7.32 lin. m/row
(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
	Depth	3 1/8	80	
	Length	8 7/8	225	
B	Height	4 1/2	114	32 units
	Depth	3 1/8	80	
	Length	11 13/16	300	
C	Height	4 1/2	114	32 units
	Depth	3 1/8	80	
	Length	14 3/4	375	

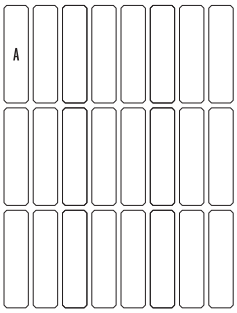
sandlewood | shale grey | mojave beige | champlain grey | harvest gold | chestnut brown

Raffinato

Smooth or Polished

DESCRIPTION: Edges
TEXTURE: Smooth or polished

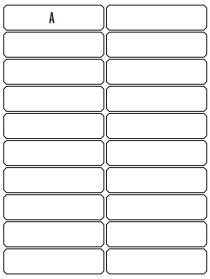
PALLET OVERVIEW - **90 mm SMOOTH**



Specifications per pallet		Imperial	Metric
90 mm SMOOTH	Cubing	**48 units**	48 units
	Weight	1 548 lbs	702 kg
	Number of rows	2	

Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	48 units
Depth	9 13/16	249	
Length	14 1/8	359	

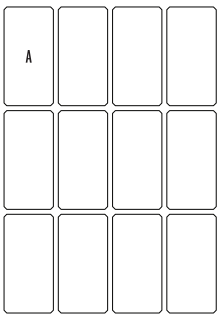
PALLET OVERVIEW - **90 mm POLISHED**



Specifications per pallet		Imperial	Metric
90 mm POLISHED	Cubing	**40 units**	40 units
	Weight	1 559 lbs	707 kg
	Number of rows	2	

Unit dimensions	in	mm	Units/pallet
Height	3 9/16	90	40 units
Depth	9 3/4	248	
Length	14 1/16	357	

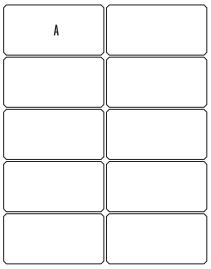
PALLET OVERVIEW - **180 mm SMOOTH**



Specifications per pallet		Imperial	Metric
180 mm SMOOTH	Cubing	**24 units**	24 units
	Weight	1 529 lbs	694 kg
	Number of rows	2	

Unit dimensions	in	mm	Units/pallet
Height	7 1/16	180	24 units
Depth	9 13/16	249	
Length	14 1/8	359	

PALLET OVERVIEW - **180 mm POLISHED**



Specifications per pallet		Imperial	Metric
180 mm POLISHED	Cubing	**20 units**	20 units
	Weight	1 557 lbs	706 kg
	Number of rows	2	

Unit dimensions	in	mm	Units/pallet
Height	7 1/16	180	20 units
Depth	9 3/4	248	
Length	14 1/16	357	

Röcka

DESCRIPTION: Edge
TEXTURE: Natural stone (Fossil stone)

PALLET OVERVIEW - **ROW 1**

A	B
A	B
C	
A	B

PALLET OVERVIEW - **ROW 2**

A	B
C	
A	B
A	B

PALLET OVERVIEW - **ROW 3**

C	
A	B
A	B
C	

Specifications per pallet		Imperial	Metric
Cubing		**19.88 ft²**	1.85 m²
Weight		1 860 lbs	844 kg
Number of rows		3	
Coverage per row		6.63 ft²/row	0.62 m²/row
Coverage per unit	A	0.55 ft²/unit	0.05 m²/unit
	B	1.10 ft²/unit	0.10 m²/unit
	B	1.66 ft²/unit	0.15 m²/unit
Linear coverage per pallet		39.75 lin. ft/pal	12.12 lin. m/pal

A	Unit dimensions	in	mm	Units/pallet
	Height	6	152	8 units
	Depth 1	7 3/4	197	
	Depth 2	8	203	
	Length	13 1/4	337	

B				
	Height	6	152	8 units
	Depth 1	7 3/4	197	
	Depth 2	8	203	
	Length	26 1/2	673	

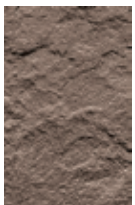
C				
	Height	6	152	4 units
	Depth 1	7 3/4	197	
	Depth 2	8	203	
	Length	39 3/4	1 010	

NOTES

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.


riviera


rock garden brown


chocolate brown

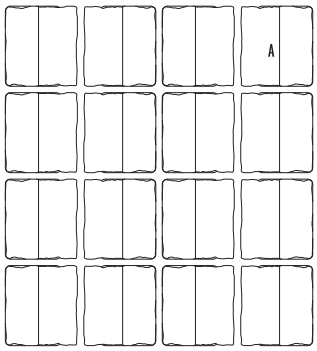

baja beige

TONE DISTRIBUTION
HIGH

Tundra

DESCRIPTION: Edge
TEXTURE: Slate

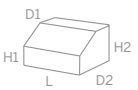
PALLET OVERVIEW



NOTES

See page 238 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	**64 units**	64 units
Linear coverage per pallet	52.50 lin. ft	16 lin. m
Weight	2 520 lbs	1 143 kg
Number of rows	4	
Linear coverage per row	13.12 lin. ft/row	4 lin. m/row
	1 lin. ft = 1.22 units	1 lin. m = 4 units



A

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

sandlewood | shale grey | mojave beige | champlain grey | harvest gold | chestnut brown

OUTDOOR FEATURES

FIREPLACES, FIRE PITS, PIZZA OVENS & GRILL ISLANDS

Brandon

Rectangular Fire pit

NEW PRODUCT

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

NOTES

Sold as a kit not pre-assembled.
Piedimonte caps inculded.

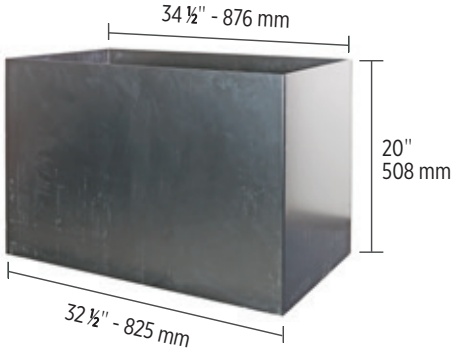
Techo-Bloc is not responsible for any damages to the firepit if it is not installed with a sleeve or accessory kit.

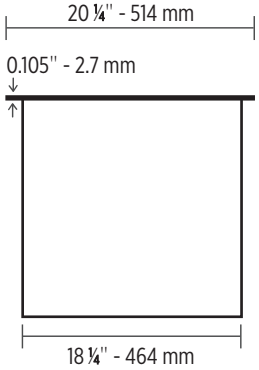
* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 244 for more technical information.

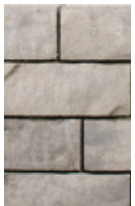
Specifications per pallet	Imperial	Metric
Cubing	**58 units**	58 units
Weight	2205 lbs	1000 kg
Overall Height	19 15/16"	507 mm
Overall Width	44 1/2"	1 130 mm
Overall Length	57 3/4"	1 467 mm
Brandon 90 mm units	10 B units	20 C units
Brandon 90 mm corner units	20 units	
Cap units	8 units	

INSERT





shale grey



chestnut brown

Brandon

Square Fire pit

NEW PRODUCT

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

NOTES

Sold as a kit not pre-assembled.
Piedimonte caps inculded.

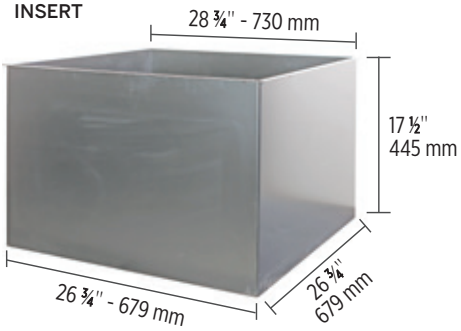
Techo-Bloc is not responsible for any damages to the firepit if it is not installed with a sleeve or accessory kit.

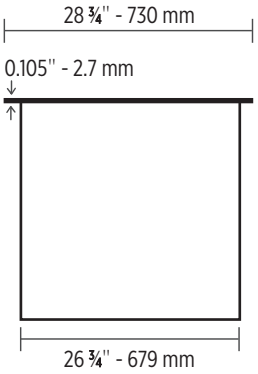
* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 245 for more technical information.

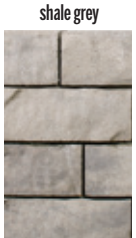
Specifications per pallet	Imperial	Metric
Cubing	66 units	66 units
Weight	2 283 lbs	1 036 kg
Overall Height	19 15/16"	507 mm
Overall Width	50 3/4"	1 289 mm
Overall Length	53 1/2"	1 359 mm
Brandon 90 mm units	30 A units	10 B units
Brandon 90 mm corner units	20 units	
Cap units	6 units	

INSERT





shale grey



chestnut brown

Manchester Foyer Shale Grey

DESCRIPTION: Fireplace
TEXTURE: Smooth and aged

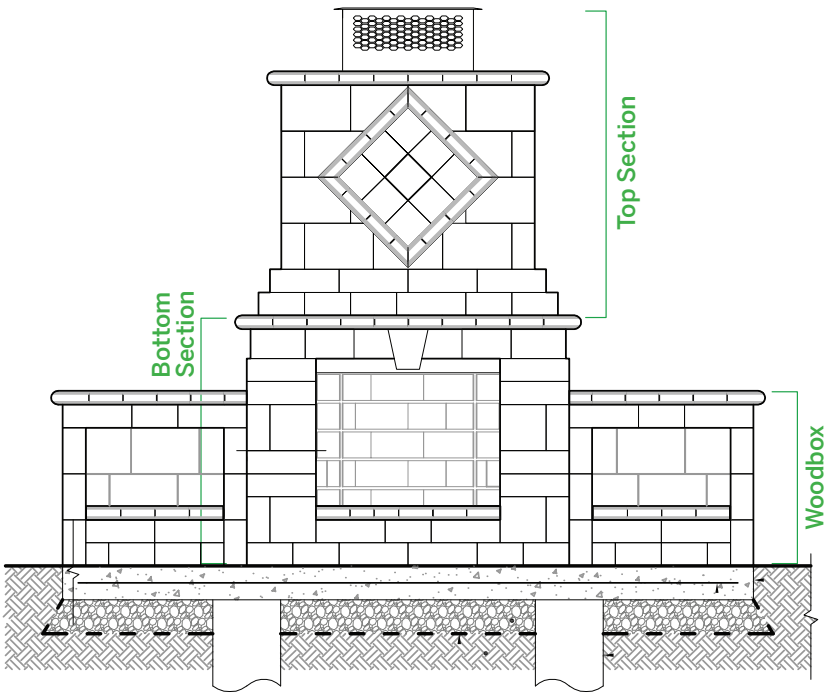
Top Section (with chimney)	imperial	metric
Weight	1 958 lbs	888 kg
Height	53 3/8"	1 356 mm
Width	52"	1 321 mm
Thickness	32"	813 mm

Woodbox (With Bullnose Cap)	imperial	metric
Weight	1 474 lbs	669 kg
Height	30 3/8"	772 mm
Width	34"	864 mm
Thickness	36 5/8"	930 mm

Bottom Section	imperial	metric
Weight	4 554 lbs	2 066 kg
Height	43 1/2"	1 105 mm
Width	60 1/8"	1 527 mm
Thickness	44"	1 118 mm

NOTES

See page 239 for more technical information.



FRONT

shale grey

Manchester Foyer Harvest Gold

DESCRIPTION: Fireplace
TEXTURE: Smooth and aged

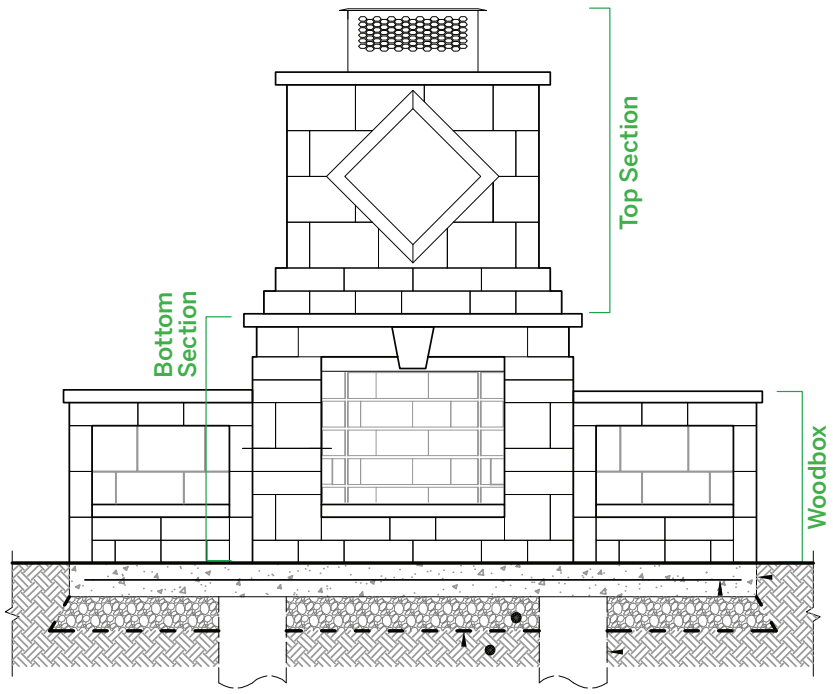
Top Section (with chimney)	imperial	metric
Weight	1 958 lbs	888 kg
Height	53 ¼"	1 353 mm
Width	52"	1 321 mm
Thickness	32"	813 mm

Woodbox (With York Cap)	imperial	metric
Weight	1 474 lbs	669 kg
Height	30 ¼"	768 mm
Width	33"	838 mm
Thickness	34"	864 mm

Bottom Section	imperial	metric
Weight	4 554 lbs	2 066 kg
Height	43 ½"	1 105 mm
Width	59"	1 499 mm
Thickness	43"	1 092 mm

NOTES

See page 239 for more technical information.



FRONT

harvest gold

Manchester

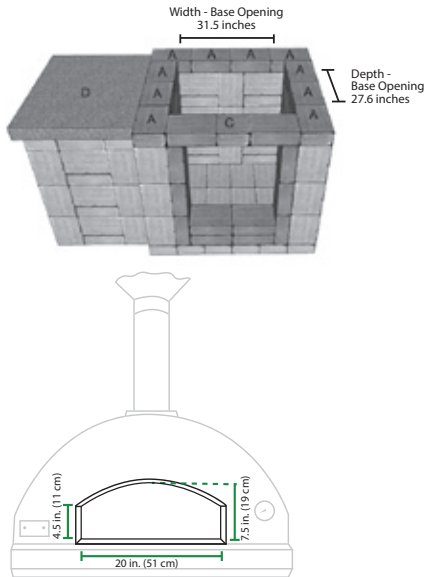
Pizza Ovens, Rustic & Elite

DESCRIPTION: Pizza ovens
TEXTURE: Smooth and aged

RUSTIC

COMES WITH VARIOUS PIZZA ACCESSORIES. Modular system, Sold as a kit not pre-assembled.

See page 249 for more technical information about the Manchester Rustic pizza oven.



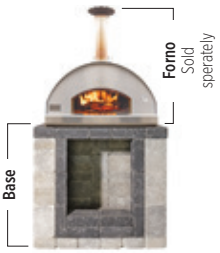
ELITE

COMES WITH VARIOUS PIZZA ACCESSORIES. 2 pieces Modular system, Sold as a kit not pre-assembled.

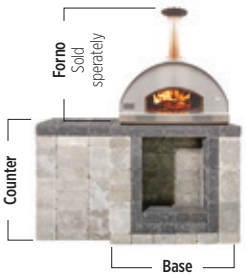
See page 248 for more technical information about the Manchester Elite pizza oven.

The Manchester Rustic & Elite pizza oven kit includes color accent pieces in each kit : the shale grey version includes Onyx Black accents; the harvest gold includes chocolate brown accents.

RUSTIC



Specifications per pal.		Imperial	Metric
BASE	Weight	4 230 lbs	1 919 kg
	Height	43 5/16"	1 100 mm
	Depth	43 5/16"	1 100 mm
	Length	47 1/4"	1 200 mm
	Manchester shale grey	112	
	Manchester onyx black	23	



Specifications per pal.		Imperial	Metric
COUNTER	Weight	2 330 lbs	1 056 kg
	Height	42 15/16"	1 090 mm
	Depth	37"	940 mm
	Length	30"	762 mm
	Counter top	1	
	Manchester shale grey	64	

Specifications per pal.		Imperial	Metric
FORNO PIZZA OVEN	Weight	400 lbs	181 kg
	Height	45 11/16"	1 160 mm
	Width	33 11/16"	855 mm
	Length	38 9/16"	980 mm

ELITE

Specifications per pallet		Imperial	Metric
TOP SECTION	Weight	3 950 lbs	1 772 kg
	Height	49 5/8"	1 260 mm
	Depth	49 1/4"	1 251 mm
	Length	49 1/8"	1 248 mm

Specifications per pallet		Imperial	Metric
BOTTOM SECTION	Weight	4 990 lbs	2 263 kg
	Height	41 3/4"	1 060 mm
	Depth	49 1/4"	1 251 mm
	Length	58 3/4"	1 492 mm

PIZZA OVEN CHAMBER Can be purchased separately

Specifications per pallet	Imperial	Metric
Weight		
Interior depth × length × height	27 × 30 × 15	686 × 762 × 381
Exterior depth × length × height	33 × 36 × 33 1/2	838 × 914 × 851
Chamber opening width×height	15 1/2 × 8	393 × 203

Raffinato
Pizza Oven

DESCRIPTION: Pizza oven
TEXTURE: Smooth

NOTES

COMES WITH VARIOUS PIZZA ACCESSORIES. Sold as a kit not pre-assembled.

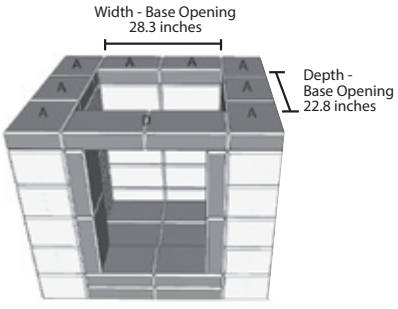
See page 250 for more technical information.

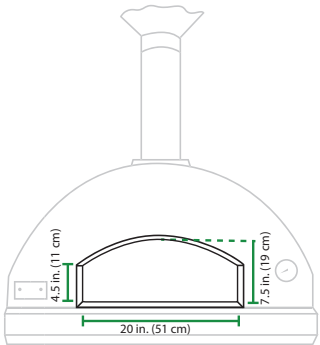
Specifications per pallet		Imperial	Metric
BASE	Weight	4 150 lbs	1 282 kg
	Height	39"	990 mm
	Width	42 3/8"	1 077 mm
	Length	47 7/8"	1 216 mm
	Raffinato 90 mm block	24	
	Raffinato 180 mm block	40	

Specifications per pallet		Imperial	Metric
COUNTER	Weight	2 660 lbs	1 206 kg
	Height	39"	990 mm
	Width	37"	940 mm
	Length	30"	762 mm
	Counter top	1	
	Raffinato 180 mm block	25	

Specifications per pallet			Imperial	Metric
FORNO, PIZZA OVEN	Weight		400 lbs	181 kg
	EXTERIOR DIMENSIONS	Height	77"	1 956 mm
		Width	34"	864 mm
		Length	39"	991 mm
	INTERIOR DIMENSIONS	Height	14"	356 mm
		Width	24"	610 mm
		Length	32"	813 mm

- 100% Made in Italy
- Steel and 441 Stainless Steel Construction
- Solid weld construction
- Rock Based Insulation which will not break down
- Food Grade Cooking Stones
- 10-15 Min Preheat Time
- Easy Setup
- Portable





greyed nickel

beige cream

The Raffinato pizza oven includes colour accent pieces in each kit : the Greyed Nickel version includes Onyx Black accents; the Beige Cream includes Greyed Nickel accents.

Prescott

Fire pit

DESCRIPTION: Fire pit
TEXTURE: Natural stone

NOTES

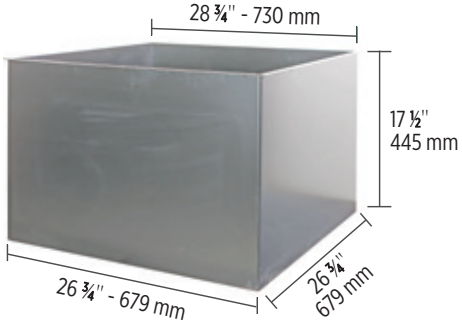
Sold as a kit not pre-assembled.
Piedimonte caps inculded.

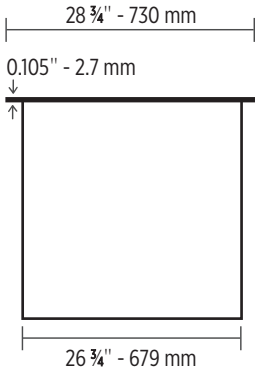
Techo-Bloc is not responsible for any damages to the firepit if it is not installed with a sleeve or accessory kit.

* For an authentic look, each color option is composed of a variety of darker & lighter tones. Natural ingredients such as granite are present within the recipe to allow for a range in tones, veining and textures from one stone to another.

See page 246 for more technical information.

Specifications per pallet	Imperial	Metric
Weight	2 520 lbs	1 143 kg
Height	18"	457 mm
Width	51 3/4"	1 314 mm
Length	51 3/4"	1 314 mm
Piedimonte caps	6	
Prescott 2,25" block	7 A, 18 B, 7 C	
Prescott 4,5" block	3 A, 6 B, 3 C	
Prescott 2,25" corner block	16	
Prescott 4,5" corner block	6	





riviera

rock garden brown

TONE DISTRIBUTION
HIGH

Raffinato

Fire pit

DESCRIPTION: Fire pit
TEXTURE: Smooth

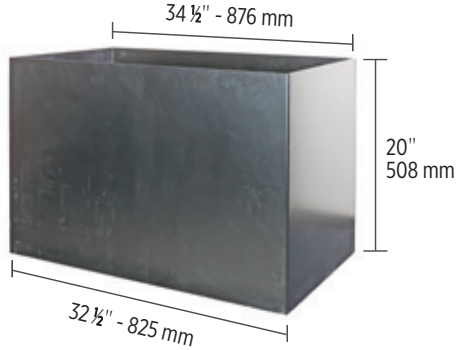
NOTES

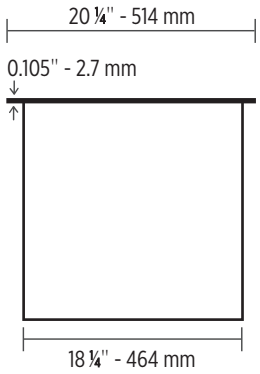
Sold as a kit not pre-assembled.
12"×24" caps inculded.

Techo-Bloc is not responsible for any damages to the firepit if it is not installed with a sleeve or accessory kit.

See page 247 for more technical information.

Specifications per pallet	Imperial	Metric
Weight	2 700 lbs	1 225 kg
Height	21 1/4"	540 mm
Width	41 1/2"	1 054 mm
Length	55 7/8"	1 419 mm
12"×24" caps	8	
Raffinato 90 mm corner block	10	
Raffinato 180 mm corner block	20	





greyed nickel

beige cream

The Raffinato fire pit kit includes colour accent pieces in each kit : the Greyed Nickel version includes Onyx Black accents; the Beige Cream includes Greyed Nickel accents.

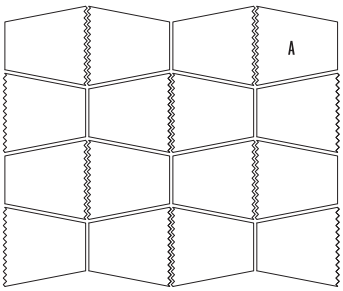
Valencia

Fire pit

DESCRIPTION: Fire pit
TEXTURE: Split face and aged

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

PALLET OVERVIEW



Specifications per pallet	Imperial	Metric
Cubing	**80 units**	80 units
Weight	1 525 lbs	692 kg
Height	14 3/4"	0.375 m (375 mm)
Exterior Diameter	48 15/16" (4' 1")	1.243 m (1 243 mm)
Interior Diameter	29 1/8" (2' 5")	0.74 m (740 mm)
Number of rows	5	

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

APPLICATIONS

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

NOTES

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

Techo-Bloc is not responsible for any damages to the firepit if it is not installed with a sleeve or accessory kit.

See page 243 for more technical information.

sandlewood | shale grey | mojave beige | champlain grey | harvest gold | chestnut brown | autumn red

Grill Island

Mini-Creta

DESCRIPTION: BBQ Grill Island
TEXTURE: Split face

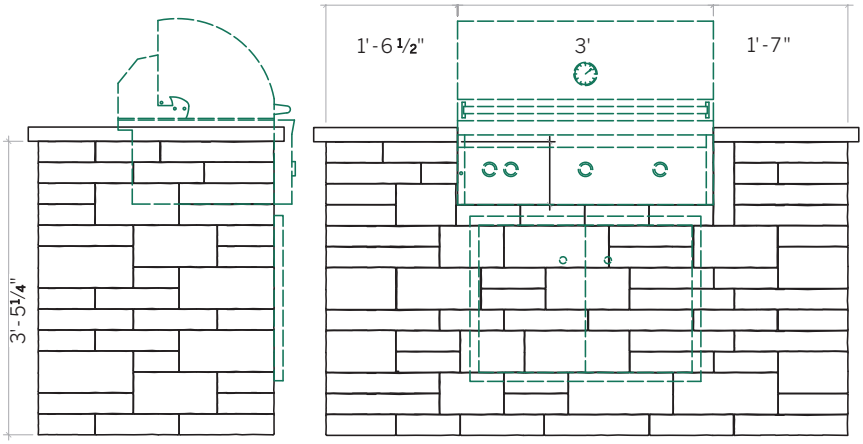
NOTES

See page 241 for more technical information.

* Colours only available in half-pallets.

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" × 3" (Mini-Creta)	½ 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" × 3" (Mini-Creta)	½ 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" × 3" (Mini-Creta)	½ 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" × 3" (Mini-Creta)	½ 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

ADDITIONAL INFORMATION

Textures

SLABS

SLATE

Aberdeen (p. 08)
Blu 60 mm (p. 10)
Blu Grande (p. 15)
Inca (p. 19)
Maya (p. 21)
Mezzo (p. 22)
Monticello (p. 23)

SMOOTH

Blu 60 mm (p. 11)
Blu Grande (p. 16)
Industria (p. 20)
Tux (p. 27)

TRAVERTINE

Travertina (p. 25)

WOOD

Borealis (p. 18)

POLISHED

Blu 60 mm (p. 10)
Blu Grande (p. 17)
Industria (p. 20)

PAVERS

AGED

Allegro (p. 29)
Hera (p. 38)

BEVELED

Pure (p. 51)
Villagio (p. 57)

SLATE

Blu 80 mm (p. 31)
Eva (p. 36)
Flagstone (p. 37)
Mista (p. 46)
San Marino (p. 52)

SMOOTH

Antika (p. 30)
Blu 80 mm (p. 32)
Industria (p. 39)
Linea (p. 44)
Parisien (p. 49)
Victorien (p. 55)

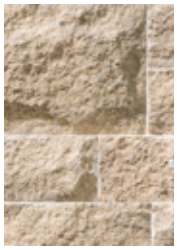
HIGHLY TEXTURED

Mista (p. 46)
San Marino (p. 52)

POLISHED

Blu 80 mm (p. 33)
Industria (p. 39)

WALLS



SCULPTED

Baltimore (p. 58)
Suprema (p. 85)

SPLIT FACE

Mini-Creta 3" & 6" (p. 67)
Mini-Creta Architectural (p. 70)
Semma (p. 83)
Suprema (p. 85)

WOOD

Borealis (p. 60)

NATURAL

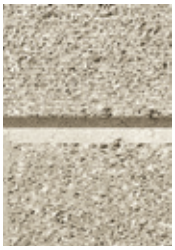
Prescott (p. 75)
Röcka (p. 82)

SMOOTH & SPLIT FACE

Graphix (p. 65)

RUSTIC

Manchester (p. 66)



POLISHED

Raffinato (p. 78)
Semma (p. 83)

CAPS

SPLIT FACE

Aged (p. 96)
Prima (p. 106)

SMOOTH

Bullnose (p. 100)
Raffinato Cap (p. 108)

TRAVERTINE

Bali Travertina (p. 98)

NATURAL/SLATE

Portofino Cap (p. 105)
Stonedge Cap (p. 109)
York Cap (p. 110)

THERMAL

Piedimonte (p. 104)

POLISHED

Prima 14 (p. 107)

STEPS & OVERLAY SYSTEMS

WOOD

Borealis Step (p. 87)

NATURAL

Maya Step (p. 88)
Röcka Step (p. 90)
York Step (p. 91)

SMOOTH

Blu 45 mm Overlay system (p. 93)
Raffinato Step (p. 89)
Venetian Overlay system (p. 95)

SLATE

Blu 45 mm Overlay system (p. 92)
Venetian Overlay system (p. 94)

EDGES

NATURAL

Avignon (p. 114)
Brandon Edge (p. 116)
Röcka Edge (p. 119)
Tundra (p. 120)

SPLIT/AGED

Belgik (p. 114)
Pietra (p. 117)

WOOD

Borealis (p. 115)

SMOOTH

Raffinato (p. 118)

POLISHED

Raffinato (p. 118)

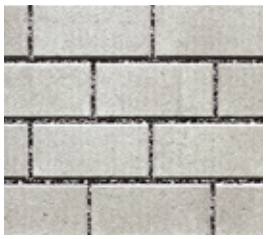
Colours

TECHO-BLOC COLOURS

SANDLEWOOD	Mix of tan and charcoal
GREY	Grey
SHALE GREY	Mix of grey and charcoal
RED & BLACK	Mix of red and charcoal
MOJAVE BEIGE	Mix of tan with brown midtones & lowlights
CHAMPLAIN GREY	Mix of grey, charcoal and tan
ONYX BLACK	Dark black tones
HARVEST GOLD	Mix of chocolate brown, light cream and gold
CHESTNUT BROWN	Mix of chocolate brown and light cream to light grey
AUTUMN RED	Mix of deep red, tan and gold
CHOCOLATE BROWN	Dark brown tones
BRUSHED PEWTER	Mix of pewter grey and charcoal with black undertones
BRAZILIAN SAND	Sand-coloured base with a mix of gold and yellow tones
GREYED NICKEL	Light grey with warm undertones
BEIGE CREAM	Cream base with warm beige midtones

SANDLEWOOD

GREY



SHALE GREY

RED & BLACK

MOJAVE BEIGE

CHAMPLAIN GREY

ONYX BLACK

HARVEST GOLD

CHESTNUT BROWN

AUTUMN RED

CHOCOLATE BROWN

BRUSHED PEWTER

BRAZILIAN SAND

GREYED NICKEL

BEIGE CREAM

Techo-Bloc

Stonedge COLLECTION

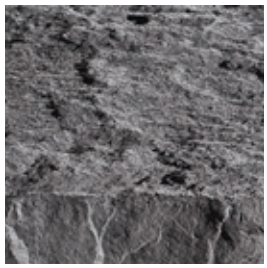
STONEDGE COLLECTION TONES

VICTORIA TONES	Mix of light grey, charcoal, brown and rust tones
RIVIERA TONES	Mix of dark grey, charcoal, brown, light green and rust tones
ONYX BLACK TONES	Mix of dark black tones
ROCK GARDEN BROWN TONES	Mix of mid & light brown tones
CHOCOLATE BROWN TONES	Mix of dark brown tones
IVORY TONES	Mix of yellow and cream tones
AZZURRO TONES	Mix of light blue & grey tones
BAJA BEIGE TONES	Mix of light tan and brown highlights
OLIVE TONES	Mix of light green & yellow highlights
CORAL SANDS TONES	Mix of golden sand and light beige tones
SMOKED PINE TONES	Rich dark brown base veined with darker tones
HAZELNUT BRANDY TONES	Light brown base veined with darker tones
SAUVIGNON OAK TONES	Sand-coloured base tones with tan highlights

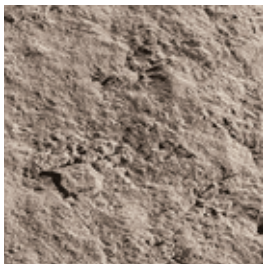
VICTORIA

RIVIERA

ONYX BLACK



ROCK GARDEN BROWN



CHOCOLATE BROWN

IVORY

AZZURRO

BAJA BEIGE

OLIVE

CORAL SANDS

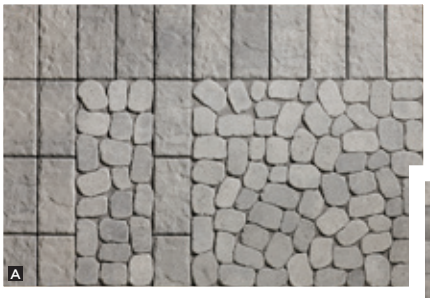
SMOKED PINE

HAZELNUT BRANDY

SAUVIGNON OAK

DESIGN

ENGLISH GARDEN


A


B


C

A BLU 60 mm (6" × 13") slate slab , shale grey • ANTIKA paver, shale grey

B SAN MARINO paver small rectangles, shale grey

C ABERDEEN slab (30" × 30"), rock garden brown tones

D RAFFINATO cap, greyed nickel • SEMMA wall, shale grey

E ANTIKA paver, shale grey • INCA slab, victoria tones


D

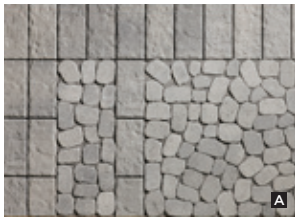

E

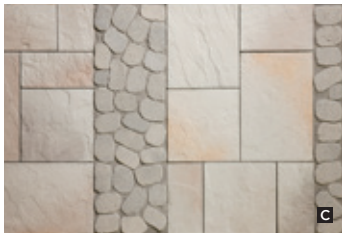
English Garden

STYLE LAB

MAKE IT YOURS

TEXTURES





ADDITIONAL INFORMATION

A BLU 60 mm slate slab (6" × 13"), shale grey • ANTIKA paver, shale grey

B RAFFINATO cap, greyed nickel • SEMMA wall, shale grey

C ANTIKA paver, shale grey • INCA slab, victoria

D SAN MARINO paver small rectangles, shale grey

E ABERDEEN slab (30 × 30), rock garden brown

Country Rustic

STYLE LAB

MAKE IT YOURS



TEXTURES

MOSAÏKS

A PRESCOTT wall (2.25" and 4.5"), rock garden brown • PORTOFINO cap, chocolate brown

B BOREALIS slab, smoked pine and hazelnut brandy

C MISTA paver square & random, chestnut brown and harvest gold

D BLU 60 mm slab slate, champlain grey • BOREALIS slab, smoked pine

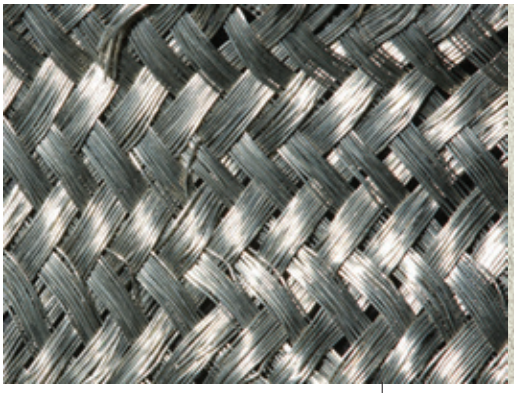
E VILLAGIO paver, chocolate brown and chestnut brown

ADDITIONAL INFORMATION

Contemporary

STYLE LAB

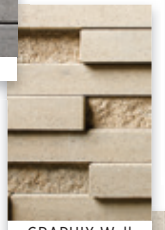
MAKE IT YOURS



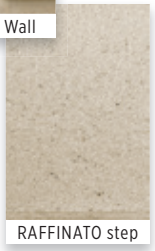
MOSAÏKS

TEXTURES


LINEA


GRAPHIX Wall


INDUSTRIA smooth


RAFFINATO step


PIEDIMONTE

A RAFFINATO 180 mm smooth wall, onyx black • RAFFINATO 90 mm smooth wall, greyed nickel • RAFFINATO cap, onyx black

B BLU 80 mm smooth paver, greyed nickel • LINEA paver small rectangles, onyx black

C BLU 60 mm smooth slab, greyed nickel

D INDUSTRIA 600 slab, greyed nickel • BOREALIS slab, hazelnut brandy

E ABERDEEN slab 10 × 30, azzurro tones • PIEDIMONTE cap (14" × 30"), riviera

ADDITIONAL INFORMATION

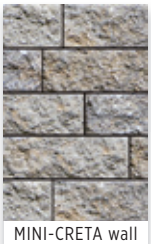
Polished Casual

STYLE LAB

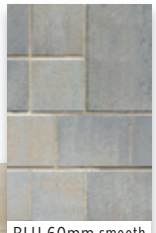
MAKE IT YOURS

TEXTURES

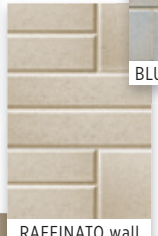
MOSAÏKS



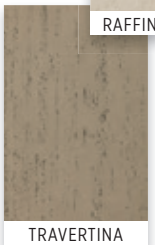
MINI-CRETA wall



BLU 60mm smooth



RAFFINATO wall



TRAVERTINA

ANTICA

B

A

C

D

E

ADDITIONAL INFORMATION

A BOREALIS slab, hazelnut brandy • ANTIKA paver, chestnut brown

B TRAVERTINA 20 × 30 slab, ivory • BOREALIS 5 × 30 slab, hazelnut brandy

C PRIMA cap, chestnut brown • RAFFINATO 90 mm wall, greyed nickel • MINI-CRETA wall 3" & 6", chestnut brown

D INDUSTRIA 300 × 600 smooth paver, greyed nickel • SAN MARINO paver small rectangles, chestnut brown

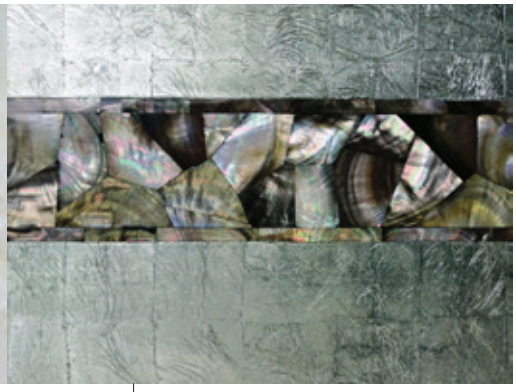
E BLU 60 mm slate slab, shale grey • BOREALIS 5 × 30 slab, hazelnut brandy

EURO FLAIR

Euro Flair

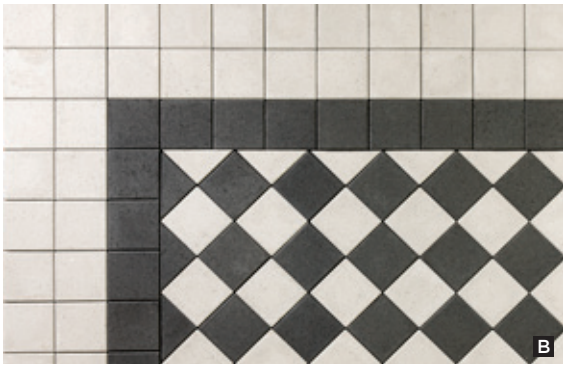
STYLE LAB

MAKE IT YOURS



MOSAÏKS


A

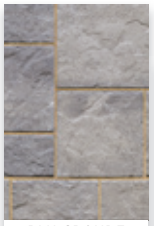

B


C

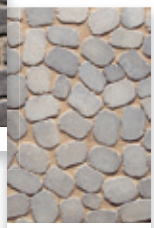

D


E

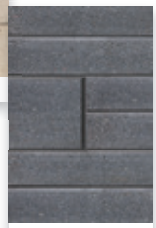
TEXTURES


BLU GRANDE


VILLAGIO


ANTIKA


TUX


RAFFINATO wall

A BLU 60 mm smooth slab (6" × 13"), greyed nickel and onyx black • INDUSTRIA 600 slab, greyed nickel and onyx black

B TUX slab, greyed nickel and onyx black

C VILLAGIO paver, shale grey and onyx black • BLU GRANDE smooth slab, shale grey

D BALTIMORE 180 mm wall, brushed pewter • RAFFINATO 180 mm corner smooth, greyed nickel • RAFFINATO cap, onyx black

E VICTORIEN and ANTIKA pavers, onyx black

ADDITIONAL INFORMATION

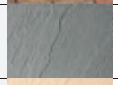
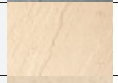
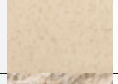
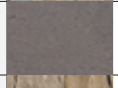
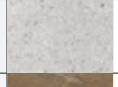
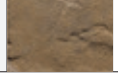
Solar Reflectance Index

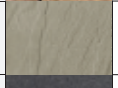
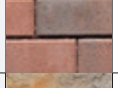
Solar Reflectance Index (SRI) is a composite measure that combines surface's solar reflectance and emittance. Essentially, the SRI is an indicator of how well a surface reflects (reflectance) and release absorbed solar radiation (emittance). The lower the SRI, the hotter a material is likely to become in the sunlight. High SRI surfaces can help reduce the urban heat island that causes cities to stay warmer which contributes to increase energy consumption for air conditioning systems and air pollution.

Summary of LEED® criterion for credits on heat island reduction applicable to paving products for non-roof and parking cover applications (minimum values):

			INITIAL	3-YEAR AGED
NON-ROOF APPLICATIONS	LEED 2009	Solar Reflectance Index (SRI)	29	-
	LEED v4	Solar reflectance	0.33	0.28
PARKING COVER APPLICATIONS	LEED 2009	Solar Reflectance Index (SRI)	29	-
	LEED v4	Solar Reflectance Index (SRI)	39	32

Solar reflectance and SRI values for Techo-Bloc landscaping products, as tested by independent testing laboratory:

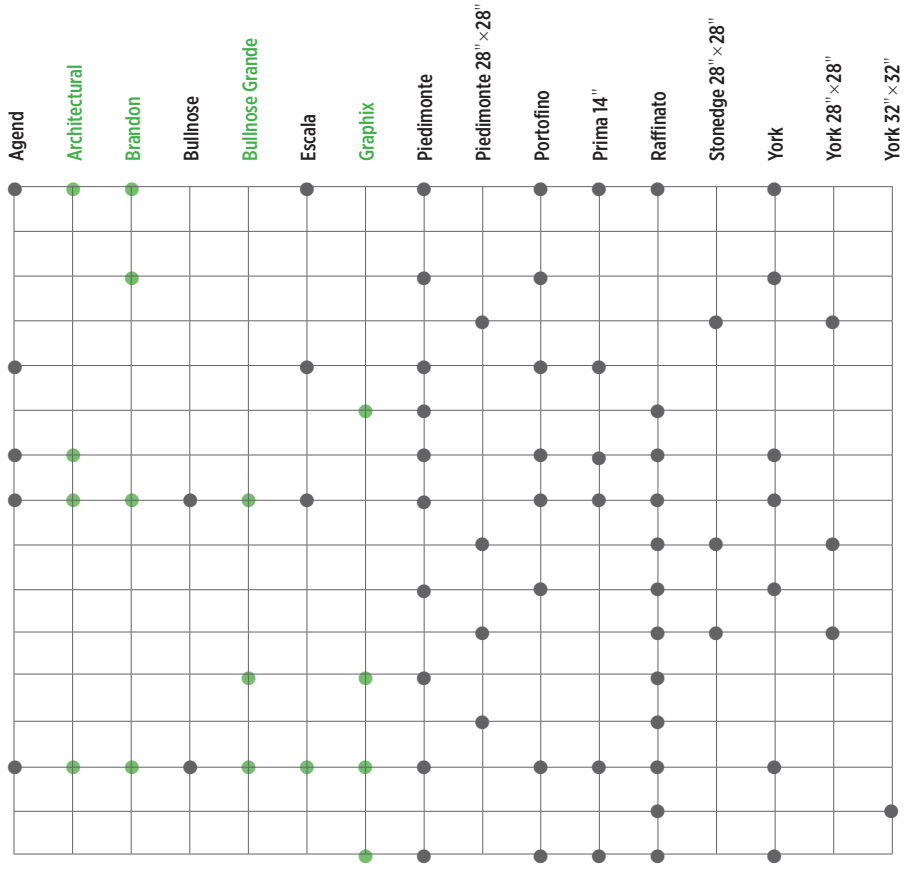
COLOR	SWATCH	SOLAR REFLECTANCE	SOLAR REFLECTANCE INDEX (SRI)
Autumn red		0.15	14
Azzurro		0.15	12
Baja Beige		0.38	42
Beige Cream		0.30	32
Brazilian sand		See note below	
Brushed pewter		See note below	
Champlain grey		0.23	25
Charcoal		See note below	
Chestnut brown		0.23	25
Chocolate brown		See note below	
Coral Sands		0.40	45
Grey		0.30	34
Greyed Nickel		0.32	35
Harvest gold		0.18	18

COLOR	SWATCH	SOLAR REFLECTANCE	SOLAR REFLECTANCE INDEX (SRI)
Hazelnut Brandy		0.23	23
Ivory		0.46	53
Mojave beige		0.26	29
Olive		0.17	15
Onyx black		See note below	
Red & black		See note below	
Riviera		0.20	19
Rock Garden Brown		0.21	20
Sandlewood		0.21	23
Sauvignon Oak		0.35	38
Shale grey		0.24	26
Smoked Pine		0.12	9
Victoria		0.36	40

Note: Since the overall objective of the SRI is to encourage light colored surfaces, these colors were not tested either because of their darkness or they were not applicable to paving products.

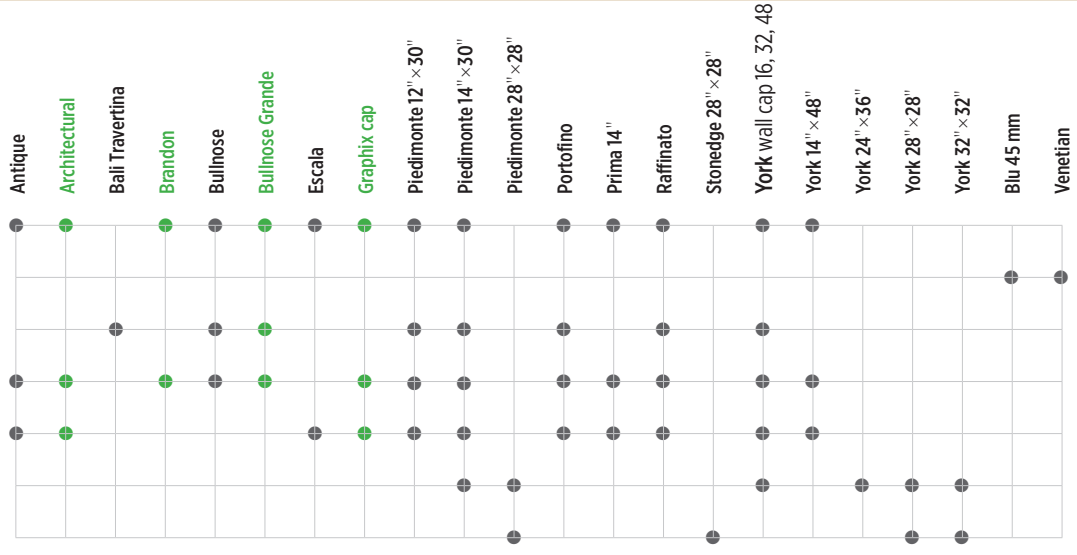
Compatibility Charts

WALLS & PILLARS	CAPS



NOTE: The combinations shown in this chart are not complete. Other possible combinations exist.

APPLICATIONS	CAPS



LEGEND: ● NEW PRODUCTS

Color Coordinate

SLABS	sandlewood	grey	slate grey	charcoal	red & black	mojave beige	champlain grey	victoria	riviera	onyx black	rock garden brown	harvest gold	chestnut brown	autumn red	chocolate brown	ivory	azzurro	baja beige	olive	brazilian sand	brushed pewter	coral sands	smoked pine	hazelnut brandy	sauvignon oak	greyed nickel	beige cream
Aberdeen											●						●	●	●								
Blu 60 mm - Slate	●		●			●	●					●	●	●													
Blu 60 mm - Smooth			●				●			●			●													●	●
Blu 60 mm - Polished			●							●			●													●	●
Blu 60 mm - Galaxy																										●	●
Blu 60 mm (6"×13") - Slate	●		●			●	●			◖		●	●	●	◖												
Blu 60 mm (6"×13") - Smooth			●				●			◖			●		◖											●	●
Blu Grande - Slate	●		●			●	●					●	●														
Blu Grande - Smooth			●				●			●			●													●	●
Blu Grande - Polished			●							●			●													●	●
Blu Grande - Galaxy																										●	●
Borealis																							●	●	●		
Inca								●	●									●				●					
Industria - 600 series		●		●						●																●	●
Maya slab								●	●									●									
Monticello											●				●		●		●								
Para										●																●	●
Travertina									●		●					●											
Tux										●																●	●

PAVERS	sandlewood	grey	slate grey	charcoal	red & black	mojave beige	champlain grey	victoria	riviera	onyx black	rock garden brown	harvest gold	chestnut brown	autumn red	chocolate brown	ivory	azzurro	baja beige	olive	brazilian sand	brushed pewter	coral sands	smoked pine	hazelnut brandy	sauvignon oak	greyed nickel	beige cream
Allegro	●		●			●	●					●	●	●													
Antika	●		●							●			●		●												
Blu 80 mm - Slate	●		●			●	●					●	●	●													
Blu 80 mm - Smooth			●				●			●			●													●	●
Blu 80 mm - Polished			●							●			●													●	●
Blu 80 mm - Galaxy																										●	●
BLU 80 mm (6"×13") - Slate	●		●			●	●			●	●	●			●												
BLU 80 mm (6"×13") - Smooth			●				●			●			●		●											●	●
Eva	●		●			●	●					●	●														
Flagstone	●					●	●					●	●														
Hera - Rectangle										◖					◖												
Industria Collection		●		●						●																●	●
Inflo		●	●										●														
Linea	●		●				●			◖			●		◖												
Mista - Square & random Permeable	●		●			●	●					●	●	●													
Mista Grande			●				●			●		●	●		●												
Parisien - Square & Circle	●		●				●						●														
Parisien - Rectangle	●		●				●			●			●		●												
Pure	●		●				●						●														
San Marino	●		●				●			◖			●		◖												
Victorien 60 mm	●	●	●		●	●				●					●												
Victorien 60 mm Permeable			●										●														
Villagio	●		●			●	●			◖		●	●		◖												

● Pre-Order ● New ● Available ◖ Available ½ pallet

Techo-Bloc

WALLS & PILLARS

	sandlewood	grey	shale grey	charcoal	red & black	mojave beige	champlain grey	victoria	riviera	onyx black	rock garden brown	harvest gold	chestnut brown	autumn red	chocolate brown	ivory	azzurro	baja beige	olive	brazilian sand	brushed pewter	coral sands	smoked pine	hazelnut brandy	sauvignon oak	greyed nickel	beige cream
Baltimore 90 mm et 180 mm			●				●						●							●							
Borealis																							●	●	●		
Brandon	●		●				●						●														
Escala 3.5" wall	●		●			●	●					●	●														
Graphix										●																●	●
Manchester	●		●				●			◖		●	●		◖												
Mini-Creta 3"	●		●			●	●			◖		●	●	●	◖												
Mini-Creta 6"	●		●			●	●					●	●	●													
Pillar 24"×3" & 24" × 6" Mini-Creta	●		●			●	●					●	●	●													
Mini-Creta 3" Architectural	●		●				●			◖			●		◖												
Mini-Creta 6" Architectural	●		●				●						●														
Pillar 24"×6" Mini-Creta Architectural	●		●				●						●														
Prescott 2,25''&t 4,5" (wall and pillars)								●	●		●											●					
Raffinato 90 mm et 180 mm - Smooth and polsihed (wall and pillars)										●																●	●
Röcka									●		●				●			●									
Semma -Split face	●		●			●	●						●														
Semma - Polished			●										●														
Suprema-Split face	●		●			●	●																				

STEPS, CAPS AND OVERLAY SYSTEM

	sandlewood	grey	shale grey	charcoal	red & black	mojave beige	champlain grey	victoria	riviera	onyx black	rock garden brown	harvest gold	chestnut brown	autumn red	chocolate brown	ivory	azzurro	baja beige	olive	brazilian sand	brushed pewter	coral sands	smoked pine	hazelnut brandy	sauvignon oak	greyed nickel	beige cream
Aged Cap	●		●			●	●			◖		●	●	●	◖												
ARCHITECTURAL CAP	●		●			●	●			●		●	●	●	●												
Bullnose Cap	●		●			●	●			◖		●	●		◖												
BULLNOSE GRANDE																										●	●
Bali Travertina Cap									●		●					●											
BRANDON CAP	●		●				●						●														
Escala 3.5" Cap	●		●			●	●					●	●														
GRAPHIX CAP										●																●	●
Piedimonte Caps									●	●	●																
Portofino Cap									●	●	●				●		●	●									
Prima 14" Cap	●		●			●	●					●	●	●													
Prima 14" Cap - Polished			●							●			●													●	●
Raffinato Caps - Smooth										●																●	●
Stonedge 28" Pillar Cap										●					●			●									
York Collection									●	●	●				●	●											
Borealis step																							●	●	●		
Maya Step									●		●				●			●									
Raffinato Step, Smooth										●																●	●
Röcka Steps 48" et 60"									●		●				●			●									
York Step									●		●				●			●									
Blu 45 mm Concrete Overlay System - Slate	●		●			●	●					●	●	●													
Blu 45 mm Concrete Overlay System - Smooth			●				●			●			●													●	●
Venetian Concrete Overlay System - Slate	●		●			●	●					●	●	●													
Venetian Concrete Overlay System - Smooth			●				●						●													●	●

● Pre-Order ● New ● Available ◖ Available ½ pallet

ADDITIONAL INFORMATION

Techo-Bloc

EDGES	sandlewood	grey	shale grey	charcoal	red & black	mojave beige	champlain grey	victoria	riviera	onyx black	rock garden brown	harvest gold	chestnut brown	autumn red	chocolate brown	ivory	azzurro	baja beige	olive	brazilian sand	brushed pewter	coral sands	smoked pine	hazelnut brandy	sauvignon oak	greyed nickel	beige cream
Avignon	●		●			●	●					●	●														
Borealis																							●	●	●		
Brandon	●		●				●			●			●		●												
Pietra	●		●			●	●					●	●														
Raffinato										●																●	●
Röcka									●		●				●			●									
Tundra	●		●			●	●					●	●														

OUTDOOR FEATURES	sandlewood	grey	shale grey	charcoal	red & black	mojave beige	champlain grey	victoria	riviera	onyx black	rock garden brown	harvest gold	chestnut brown	autumn red	chocolate brown	ivory	azzurro	baja beige	olive	brazilian sand	brushed pewter	coral sands	smoked pine	hazelnut brandy	sauvignon oak	greyed nickel	beige cream
Foyer			●									●															
BRANDON FIRE PIT			●										●														
Prescott fire pit									●				●														
Raffinato fire pit																										●	●
Valencia fire pit	●		●			●	●					●	●	●													
Manchester Elite, pizza oven			●									●															
Manchester rustic, pizza oven			●									●															
Raffinato, pizza oven																										●	●

● Pre-Order ● New ● Available ◖ Available ½ pallet

INSTALLATION GUIDE

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 colour. 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	8 000 psi [55 MPa] at 28 days	8 000 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	7 200 psi [50 MPa] min.	7 200 psi [50 MPa] min.
Freeze-thaw durability with use of deicing salt	Loss of 0.046 lb/ft² [225 g/m²] max. at 28 cycles Loss of 0.102 lb/ft² [500 g/m²] max. at 49 cycles	Loss of 0.046 lb/ft² [225 g/m²] max. at 28 cycles Loss of 0.102 lb/ft² [500 g/m²] 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	-	6 500 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/ft² [500 g/m²] max. at 28 cycles Loss of 0.246 lb/ft² [1200 g/m²] max. at 49 cycles	Loss of 0.102 lb/ft² [500 g/m²] max. at 28 cycles Loss of 0.246 lb/ft² [1200 g/m²] 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 11/16" [450 mm] and less ±1/8" [3 mm] Dimension over 17 11/16" [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		3 000 psi [21 MPa] min.	5 050 psi [35 MPa] min.	5 050 psi [35 MPa] min.	5 050 psi [35 MPa] min.
Durability to freeze thaw cycles Mass loss		after 100 cycles 1 % (max.)	after 100 cycles 1 % (max.)	after 49 cycles 0.123 lb/ft² [0.60 kg/m²] max	after 49 cycles 0.123 lb/ft² [0.60 kg/m²] max
		after 150 cycles 1,5 % (max.)	after 150 cycles 1,5 % (max.)		
Water absorption		13 lb/ft³ [208 kg/m³] max	9 lb/ft³ [144 kg/m³] max	-	9 lb/ft³ [144 kg/m³] max
Dimension tolerance[1]	length	± 1/8" [3 mm]	± 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]	± 1/8" [3 mm]
	height	± 1/8" [3 mm]	± 1/16" [1.5 mm]	± 1/8" [3 mm]	± 1/16" [1.5 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.

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% (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 0-3/4"[0-20 mm] crushed stone). Refer to the table "**Thickness of the Granular Foundation**" (on next page) to find the minimum thickness of foundation required.

02 FOUNDATION

A. Install a 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 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 ± 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 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 colour 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.

THICKNESS OF THE GRANULAR FOUNDATION[1]		
RESIDENTIAL PROJECTS	TYPE OF EXISTING SOIL	
	Clayey or Silty[2]	Sandy or Gravelly
Driveways	300 to 500 mm (12" to 20")	200 to 350 mm (8" to 14")
Patios and Walkways	250 to 350 mm (10" to 14")	150 to 200 mm (6" to 8")

1. Data shown in this chart are provided as guidelines only. The range of values suggested depends particularly on existing soil conditions. The thicker the granular foundation, the greater the increase in stability of the whole structure.
2. In the case of unstable soils or ones particularly affected by the freeze-thaw cycles, a thicker foundation may be necessary. For soils with these conditions or for commercial, industrial, or institutional works, a geotechnical professional should be consulted.

QUANTITY CHART FOR JOINTS FILLING

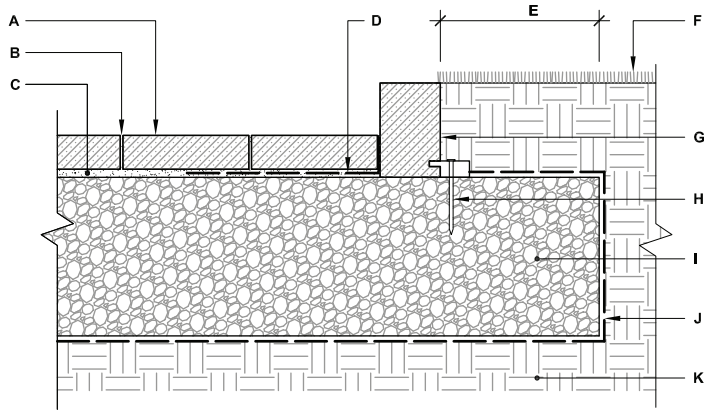
Approximate surface coverage per 50 lbs (22.7 kg) polymeric sand bag.

PRODUCTS	sq. ft	sq. m
Allegro	38	3.5
Antika	21	2
Blu 80 mm	76.5	7.11
Blu 80 mm (6"×13")	31.97	2.97
Eva	143.56	13.34
Flagstone	66	6.13
Hera rectangle	101.24	9.41
Industria 200 series - 200×200	41.03	3.81
Industria 200 series - 200×400	54.57	5.07
Industria 300 series - 300×100	30.77	2.86
Industria 300 series - 300×200	41	3.81
Industria 300 series - 300×300	61.39	5.70
Industria 600 series - 600×100	35.06	3.26
Industria 600 series - 600×200	61.32	5.70
Industria 600 series - 600×300	81.72	7.59
Industria 600 series - 600×600	122.48	11.38

PRODUCTS	sq. ft	sq. m
Linea and San Marino small rectangles	31.47	2.92
Linea and San Marino large rectangles	42.33	3.93
Mista random	50.4	4.69
Mista square	65.6	6.10
Mista Grande	25.67	2.38
Parisien square	100.64	9.35
Parisien rectangle	120.55	11.20
Parisien circle	49.25	4.58
Trias	64	6
Victorien 60 mm	97.06	9.02
Victorien 80 mm	72.79	6.76
Villagio	18.50	1.72

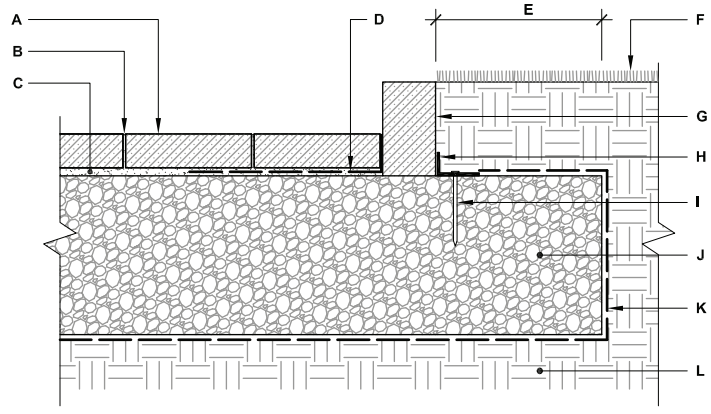
Installation guide

INTERLOCKING CONCRETE PAVEMENT



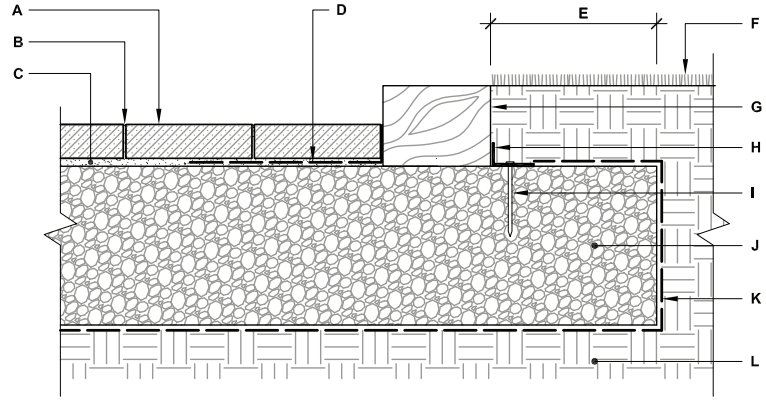
TYPICAL PAVER CROSS SECTION WITH AVIGNON EDGE

- **A.** TECHO-BLOC PRECAST CONCRETE PAVER 60 mm (2 3/8") THICK MIN.
- **B.** SAND JOINT FILL
- **C.** SAND SETTING BED (CONCRETE SAND) 25 mm (1")
- **D.** GEOTEXTILE 300 mm (12") WIDE
- **E.** EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
- **F.** LAWN
- **G.** TECHO-BLOC AVIGNON EDGE
- **H.** NAIL
- **I.** COMPACTED GRANULAR BASE 0-20 mm (0-3/4")
- **J.** GEOTEXTILE
- **K.** SUBGRADE



TYPICAL PAVER CROSS SECTION WITH BELGIK EDGE

- **A.** TECHO-BLOC PRECAST CONCRETE PAVER 60 mm (2 3/8") THICK MIN.
- **B.** SAND JOINT FILL
- **C.** SAND SETTING BED (CONCRETE SAND) 25 mm (1")
- **D.** GEOTEXTILE 300 mm (12") WIDE
- **E.** EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
- **F.** LAWN
- **G.** TECHO-BLOC BELGIK EDGE
- **H.** PLASTIC EDGE
- **I.** NAIL
- **J.** COMPACTED GRANULAR BASE 0-20 mm (0-3/4")
- **K.** GEOTEXTILE
- **L.** SUBGRADE

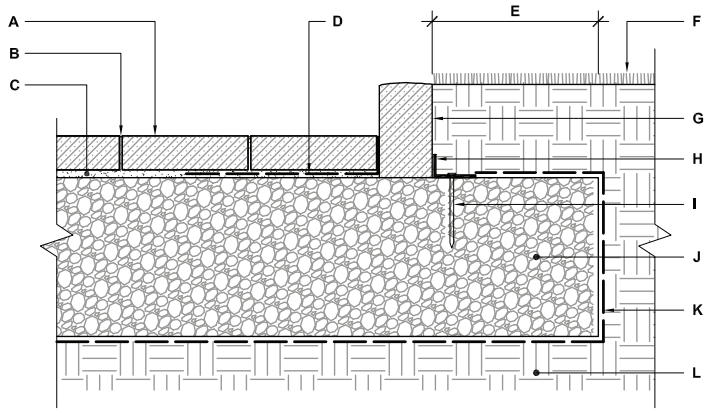


TYPICAL PAVER CROSS SECTION WITH BOREALIS EDGE

- **A.** TECHO-BLOC PRECAST CONCRETE PAVER 60 mm (2 3/8") THICK MI N.
- **B.** SAND JOINT FILL
- **C.** SAND SETTING BED (CONCRETE SAND) 25 mm (1")
- **D.** GEOTEXTILE 300 mm (12") WIDE
- **E.** EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
- **F.** LAWN
- **G.** TECHO-BLOC BOREALIS EDGE
- **H.** PLASTIC EDGE
- **I.** NAIL
- **J.** COMPACTED GRANULAR BASE 0-20 mm (0-3/4")
- **K.** GEOTEXTILE
- **L.** SUBGRADE

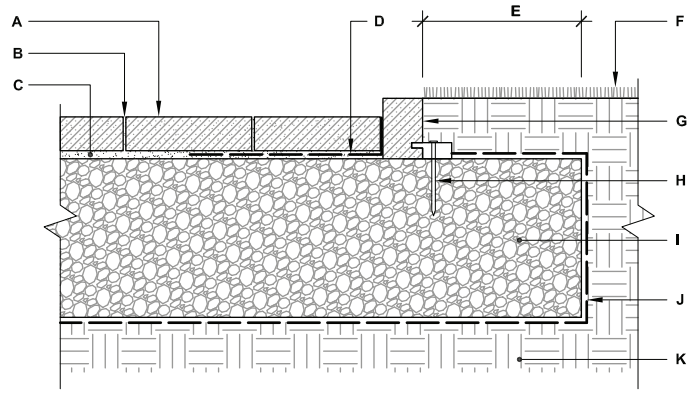
Installation guide

INTERLOCKING CONCRETE PAVEMENT



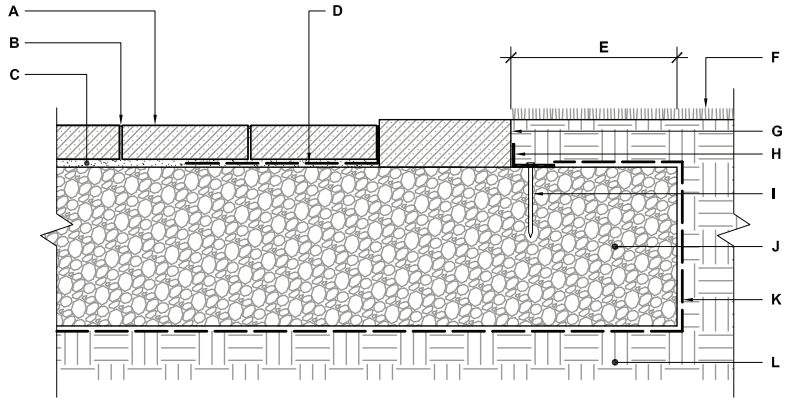
TYPICAL PAVER CROSS SECTION WITH BRANDON EDGE

- **A.** TECHO-BLOC PRECAST CONCRETE PAVER 60 mm (2 3/8") THICK MIN.
- **B.** SAND JOINT FILL
- **C.** SAND SETTING BED (CONCRETE SAND) 25 mm (1")
- **D.** GEOTEXTILE 300 mm (12") WIDE
- **E.** EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
- **F.** LAWN
- **G.** TECHO-BLOC BRANDON EDGE
- **H.** PLASTIC EDGE
- **I.** NAIL
- **J.** COMPACTED GRANULAR BASE 0-20 mm (0-3/4")
- **K.** GEOTEXTILE
- **L.** SUBGRADE



TYPICAL PAVER CROSS SECTION WITH PIETRA EDGE

- **A.** TECHO-BLOC PRECAST CONCRETE PAVER 60 mm (2 3/8") THICK MIN.
- **B.** SAND JOINT FILL
- **C.** SAND SETTING BED (CONCRETE SAND) 25 mm (1")
- **D.** GEOTEXTILE 300 mm (12") WIDE
- **E.** EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
- **F.** LAWN
- **G.** TECHO-BLOC PIETRA EDGE
- **H.** NAIL
- **I.** COMPACTED GRANULAR BASE 0-20 mm (0-3/4")
- **J.** GEOTEXTILE
- **K.** SUBGRADE

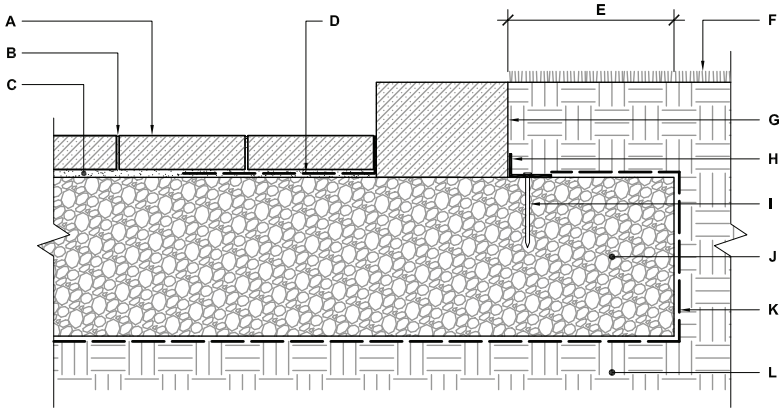


TYPICAL PAVER CROSS SECTION WITH RAFFINATO 90 mm EDGE

- **A.** TECHO-BLOC PRECAST CONCRETE PAVER 60 mm (2 3/8")
- **B.** SAND JOINT FILL
- **C.** SAND SETTING BED (CONCRETE SAND) 25 mm (1")
- **D.** GEOTEXTILE 300 mm (12") WIDE
- **E.** EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
- **F.** LAWN
- **G.** TECHO-BLOC RAFFINATO 90 mm EDGE
- **H.** PLASTIC EDGE
- **I.** NAIL
- **J.** COMPACTED GRANULAR BASE 0-20 mm (0-3/4")
- **K.** GEOTEXTILE
- **L.** SUBGRADE

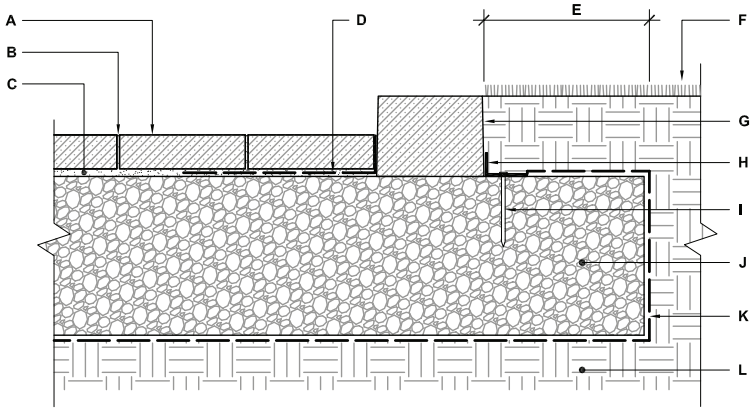
Installation guide

INTERLOCKING CONCRETE PAVEMENT



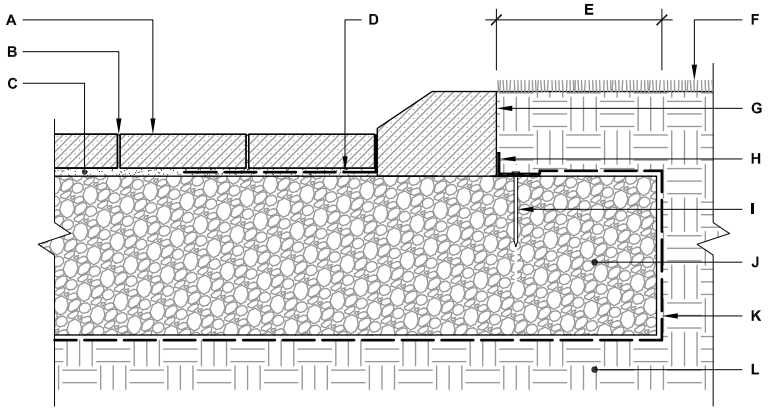
A. TECHO-BLOC PRECAST CONCRETE PAVER 60 mm (2 3/8") THICK MIN.
B. SAND JOINT FILL
C. SAND SETTING BED (CONCRETE SAND) 25 mm (1")
D. GEOTEXTILE 300 mm (12") WIDE
E. EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
F. LAWN
G. TECHO-BLOC RAFFINATO 180 mm EDGE
H. PLASTIC EDGE
I. NAIL
J. COMPACTED GRANULAR BASE 0-20 mm (0-3/4")
K. GEOTEXTILE
L. SUBGRADE

TYPICAL PAVER CROSS SECTION WITH RAFFINATO 180 mm EDGE



A. TECHO-BLOC PRECAST CONCRETE PAVER 60 mm (2 3/8") THICK MIN.
B. SAND JOINT FILL
C. SAND SETTING BED (CONCRETE SAND) 25 mm (1")
D. GEOTEXTILE 300 mm (12") WIDE
E. EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
F. LAWN
G. TECHO-BLOC RÖCKA EDGE
H. PLASTIC EDGE
I. NAIL
J. COMPACTED GRANULAR BASE 0-20 mm (0-3/4")
K. GEOTEXTILE
L. SUBGRADE

TYPICAL PAVER CROSS SECTION WITH RÖCKA EDGE

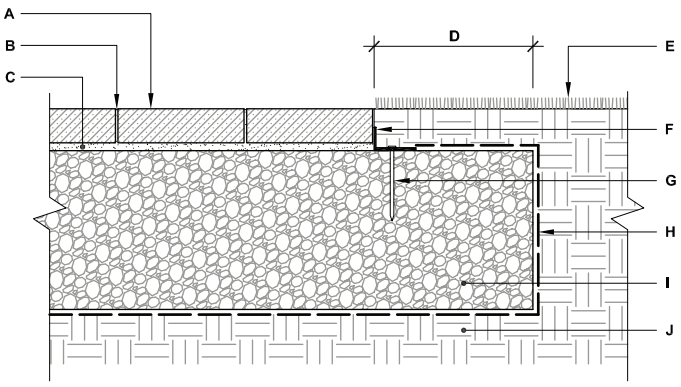


A. TECHO-BLOC PRECAST CONCRETE PAVER 60 mm (2 3/8") THICK MIN.
B. SAND JOINT FILL
C. SAND SETTING BED (CONCRETE SAND) 25 mm (1")
D. GEOTEXTILE 300 mm (12") WIDE
E. EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
F. LAWN
G. TECHO-BLOC TUNDRA EDGE
H. PLASTIC EDGE
I. NAIL
J. COMPACTED GRANULAR BASE 0-20 mm (0-3/4")
K. GEOTEXTILE
L. SUBGRADE

TYPICAL PAVER CROSS SECTION WITH TUNDRA EDGE

Installation guide

INTERLOCKING CONCRETE PAVEMENT



TYPICAL PAVER CROSS SECTION WITH PLASTIC EDGE

A. TECHO-BLOC PRECAST CONCRETE PAVER 60 mm (2 3/8") THICK MIN.

B. SAND JOINT FILL

C. SAND SETTING BED (CONCRETE SAND) 25 mm (1")

D. EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS

E. LAWN

F. PLASTIC EDGE

G. NAIL

H. GEOTEXTILE

I. COMPACTED GRANULAR BASE 0-20 mm (0-3/4")

J. SUBGRADE

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% (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 subgrade 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.

Installation guide
SEGMENTAL PERMEABLE PAVEMENT

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).

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 ± 2 ½" (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 ± ⅜" (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 ⅓ 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.

Installation guide
SEGMENTAL PERMEABLE PAVEMENT

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.

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 ± 3/8" (10 mm) over 10' (3 m).

APPROXIMATE MEASURES

Clean stone quantity in kg (lb) to cover an area of 1 m2 (1 pi^2) to fill between joints.
It is recommended to always start with a small area.

PRODUCTS	JOINT FILL MATERIAL	(lbs/sq. ft)	(kg/sq. m)
Antika	ASTM No. 8 (CSA 2.5 - 10) (1/4")	1.9	9.3
Blu 60 mm	ASTM No. 9 (CSA 2.5 - 5) (1/8")	0.7	3.2
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
Pure	ASTM No. 9 (CSA 2.5 - 5) (1/8")	1.4	7.0
Victorien 60 mm permeable	ASTM No. 9 (CSA 2.5 - 5) (1/8")	1.7	8.5
Villagio	ASTM No. 8 (CSA 2.5 - 10) (1/4") or ASTM No. 9 (CSA 2.5 - 5) (1/8")	2.1	10.2

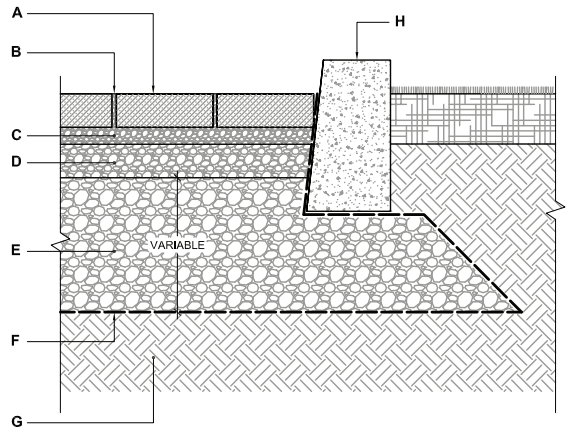
Approximate quantity of clean stone required per sq. ft or sq. m

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

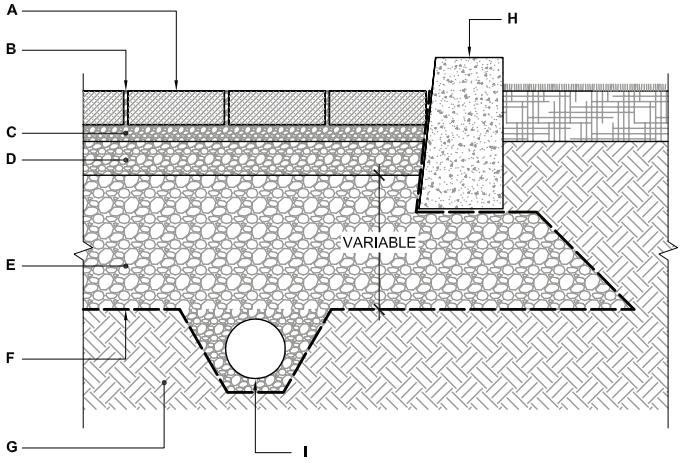
SEGMENTAL PERMEABLE PAVEMENT



- **A.** PERMEABLE PAVER FROM TECHO-BLOC (INFLO, MISTA RANDOM, VICTORIEN PERMEABLE) OR VILLAGIO.
- **B.** JOINT FILLING MATERIAL ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- **C.** BEDDING COURSE 1 ½" 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

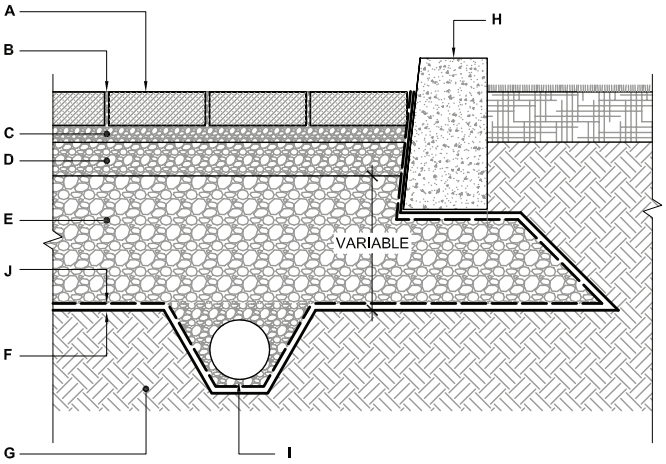
Typical cross section



- **A.** PERMEABLE PAVER FROM TECHO-BLOC (INFLO, MISTA RANDOM, VICTORIEN PERMEABLE) OR VILLAGIO.
- **B.** JOINT FILLING MATERIAL ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- **C.** BEDDING COURSE 1 ½" 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 TECHO-BLOC (INFLO, MISTA RANDOM, VICTORIEN PERMEABLE) OR VILLAGIO.
- **B.** JOINT FILLING MATERIAL ASTM No 8 (CSA 2.5-10 mm) AGGREGATE
- **C.** BEDDING COURSE 1 ½" 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 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 priorto compaction. Next, cover it with a layer of geotextile membrane to prevent the contamination of the base (clay and 0-3/4" [0-20 mm] crushed stone). Refer to the table "**Thickness of the Granular Foundation**" (on next page) to find the minimum thickness of foundation required.

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. 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 ± 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 colour 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.

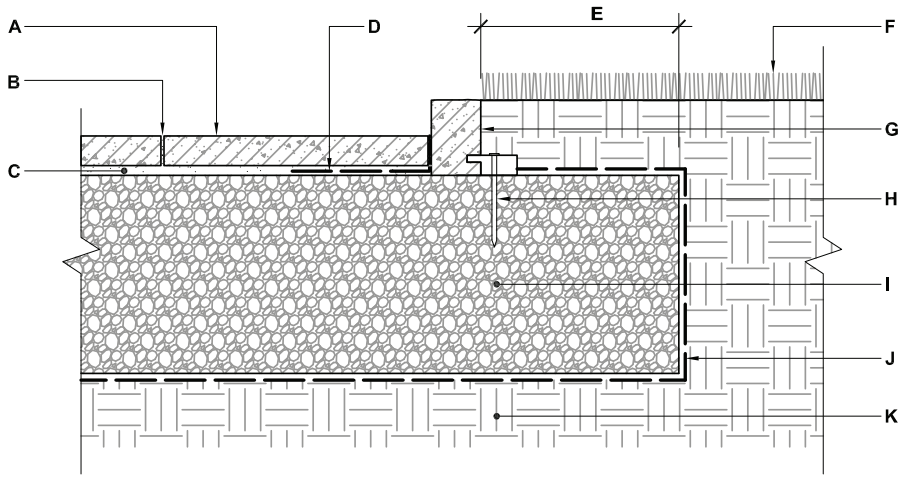
THICKNESS OF THE GRANULAR FOUNDATION[1]		
RESIDENTIAL PROJECTS	TYPE OF EXISTING SOIL	
	Clayey or Silty[2]	Sandy or Gravelly
Patios and Walkways	250 to 350 mm (10" to 14")	150 to 200 mm (6" to 8")

1. Data shown in this chart are provided as guidelines only. The range of values suggested depends particularly on existing soil conditions. The thicker the granular foundation, the greater the increase in stability of the whole structure.
2. In the case of unstable soils or ones particularly affected by the freeze-thaw cycles, a thicker foundation may be necessary. For soils with these conditions or for commercial, industrial, or institutional works, a geotechnical professional should be consulted.

QUANTITY CHART FOR JOINTS FILLING
Approximate surface coverage per 50 lbs (22.7 kg) polymeric sand bag.

SLABS	size	sq. ft	sq. m
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
Blu 60 mm		90.2	8.37
Blu 60 mm (6"×13")		42.63	3.96
Blu Grande	60×495×825	118.49	11.01
Borealis	2,25×5×30	124.64	11.58
	2,25×10×30	233.03	21.65
Inca		108.3	10.06

SLABS	size	sq. ft	sq. m
Industria 600 series	600×600×60	204.13	18.96
Monticello	30×20	388	36.05
	20×20	324	30.07
	20×10	216	20.08
Travertina	30×30	483	44.87
	30×20	388	36.05
	20×20	324	30.07
	20×10	216	20.08
Tux	12×12	133	12.36
	12×24	178	16.54

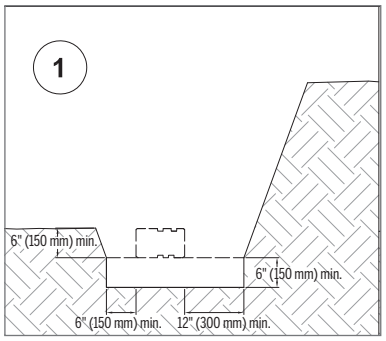


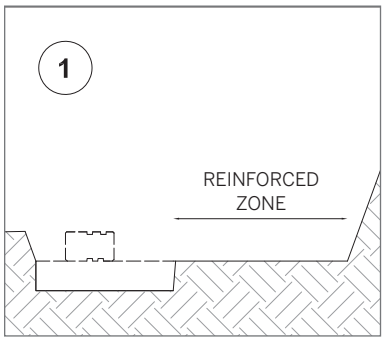
A. TECHO-BLOC PRECAST CONCRETE SLAB 1 3/4" TO 2 3/8" (45 TO 60 mm)
B. SAND JOINT FILL
C. SAND SETTING BED (CONCRETE SAND) 1" (25 mm)
D. GEOTEXTILE 12" (300 mm) WIDE
E. EXTRA WIDTH EQUAL TO FOUNDATION THICKNESS
F. LAWN
G. EDGE RESTRAINT
H. NAIL
I. COMPACTED GRANULAR BASE 0-3/4" (0-20 mm)
J. GEOTEXTILE
K. SUBGRADE

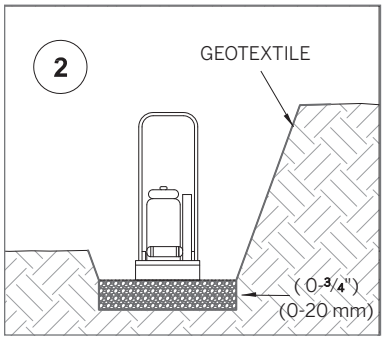
SLAB INSTALLATION
Typical cross section

Installation guide
RETAINING 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 into account the legth of geogrid.

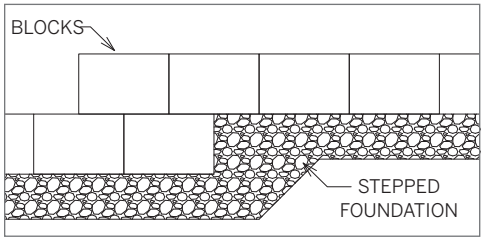
02 FOUNDATION

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.

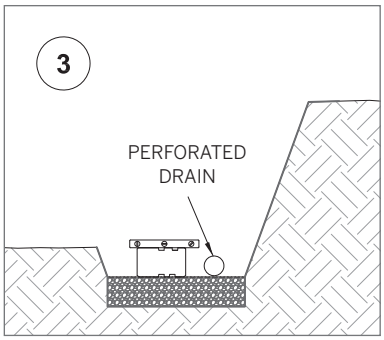
NOTE FOR STEPPED FOUNDATION

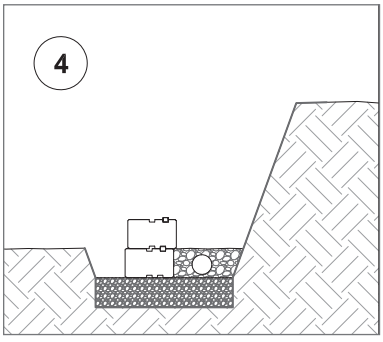
A wall built on an incline requires stepped foundations. For steep inclines, several steps may be required. Construction should start at the lowest level. Each of the steps must follow a level horizontal path and the vertical distance separating the successive steps must equal the height of a block.

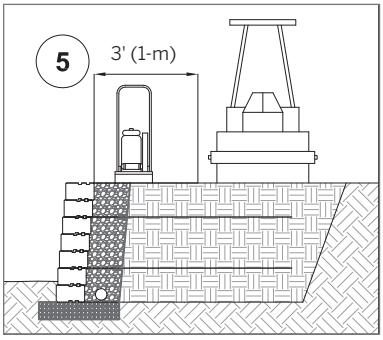


Installation guide

RETAINING 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 ¾" (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.

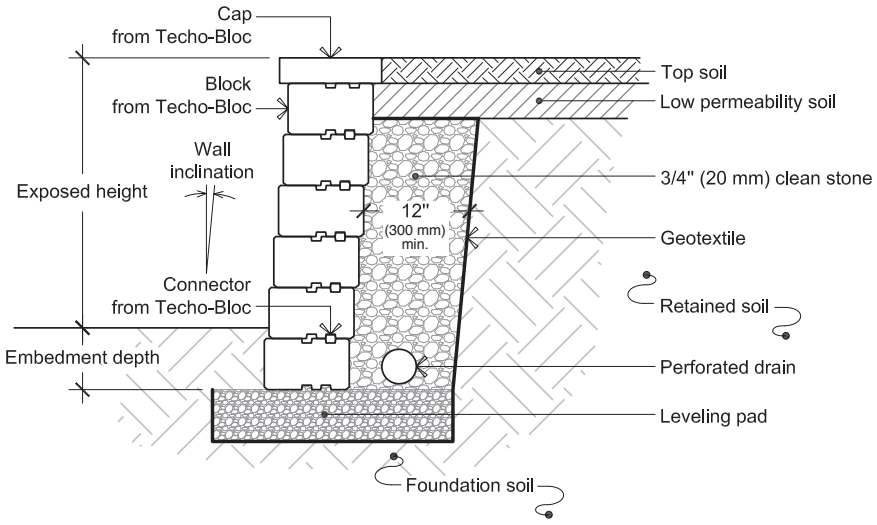
Repeat the various installation steps.

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.

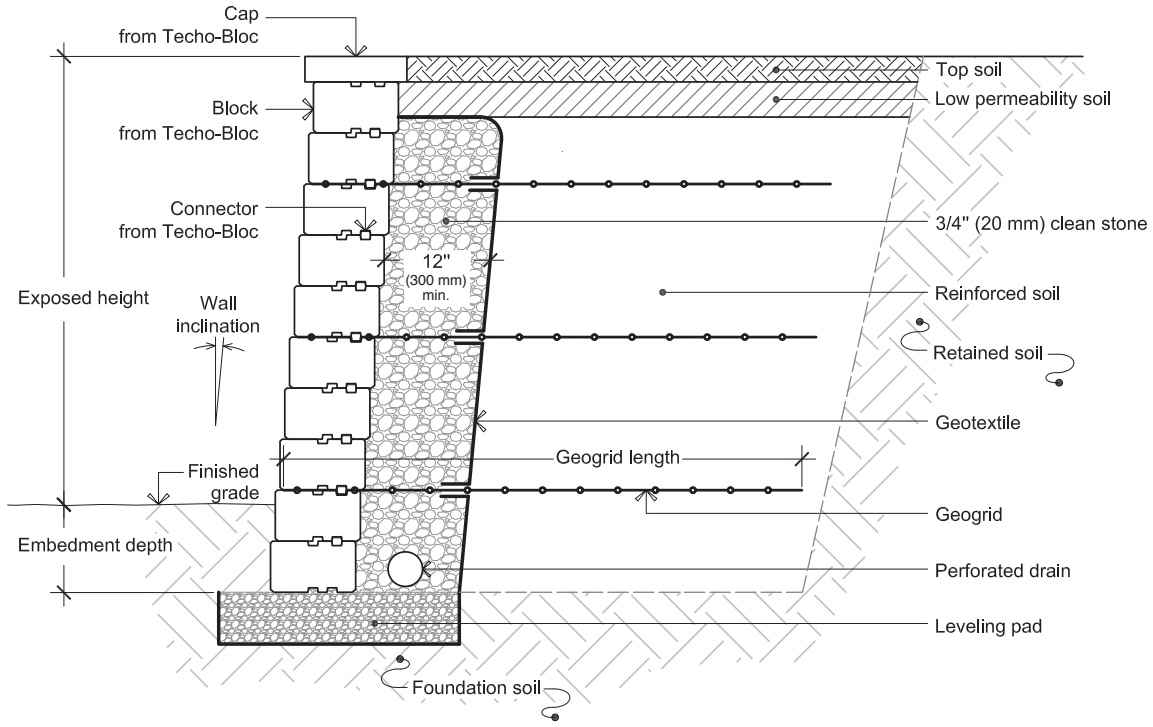
Installation guide

RETAINING 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 page 175.

Installation guide
MONUMENTAL RETAINING 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 RETAINING 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.

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.

Installation guide
MONUMENTAL RETAINING WALL

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 ¼" 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.

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.

Installation guide
MONUMENTAL RETAINING WALL

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.

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.

Installation guide
MONUMENTAL RETAINING WALL

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.

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.

Installation guide
MONUMENTAL RETAINING WALL

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 2' (600 mm) behind the Monumental wall with a lightweight compacting plate at 6" (150 mm) intervals.

Retaining Wall Design Charts - CANADA

RETAINING WALL
SUMMARY OF CHARACTERISTICS | WALL WITHOUT GEOGRID

		Maximum Height [1] (including embedment)				Setback		Minimum wall radius [3]	
Type of wall		Number of rows	Meters	Ft	Wall inclination degrees	mm	Inches	Meters	Ft
Baltimore 90 mm [2]	inclined	10	0.90	2.95	4.4	7	9/32	2.3	7.5
	vertical	8	0.72	2.36	0	0	0	2.3	7.5
Baltimore 180 mm [2]	inclined	5	0.90	2.95	4.4	14	9/16	2.3	7.5
	vertical	4	0.72	2.36	0	0	0	2.3	7.5
Borealis	vertical	4	0,61	2,00	0	0	0	-	-
Brandon 90 mm [2]	inclined	10	0.90	2.95	4.4	7	9/16	2.3	7.5
	vertical	8	0.72	2.36	0	0	0	2.3	7.5
Brandon 180 mm [2]	inclined	5	0.90	2.95	4.4	14	9/16	2.3	7.5
	vertical	4	0.72	2.36	0	0	0	2.3	7.5
Escala 3.5" [2]	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
Graphix	variable	8	0,60	1.97	variable			-	-
Manchester	vertical	5	0.50	1.64	0	0	0	-	-
Mini-Creta 3" [2]	inclined	12	0.90	2.95	5	7	9/32	2.1	7
	vertical	10	0.75	2.46	0	0	0	2.1	7
Mini-Creta 6" [2]	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
Prescott 2.25" [2]	inclined	16	0.91	3.00	4.5	4.5	3/16	1.6	5.2
	vertical	12	0.69	2.25	0	0	0	1.6	5.2
Prescott 4.5" [2]	inclined	8	0.91	3.00	4.5	9	11/32	1.6	5.2
	vertical	6	0.69	2.25	0	0	0	1.6	5.2
Raffinato 90 mm [2]	incliné	10	0.90	2.95	4.4	7	9/32	2.6	8.5
	vertical	8	0.72	2.36	0	0	0	2.6	8.5
Raffinato 180 mm [2]	incliné	5	0.90	2.95	4.4	14	9/16	2.6	8.5
	vertical	4	0.72	2.36	0	0	0	2.6	8.5
Röcka	vertical	4	0,61	2,00	0	0	0	-	-
Semma [2]	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 [2]	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) [2]	Refer to page 185				11	76	3	5.2	17

[1] 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.

[2] These products can be used with geogrid reinforcement to build higher (inclined) 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 173).

[3] 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 page 197).

Retaining 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. TECHO-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 _____ T-B Distributor _____

Maximum wall height (above-ground) _____ Wall length _____

Tiered wall ☐ No ☐ 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
☐ Route	_____
☐ Parking / alley for heavy vehicles	_____
☐ Parking / alley for light vehicles	_____
☐ Swimming pool	_____
☐ Paved surface (patio)	_____
☐ Lawn / grass	_____
☐ Other _____	

6. TYPE OF SOIL

Reinforced soil _____ Retained soil _____

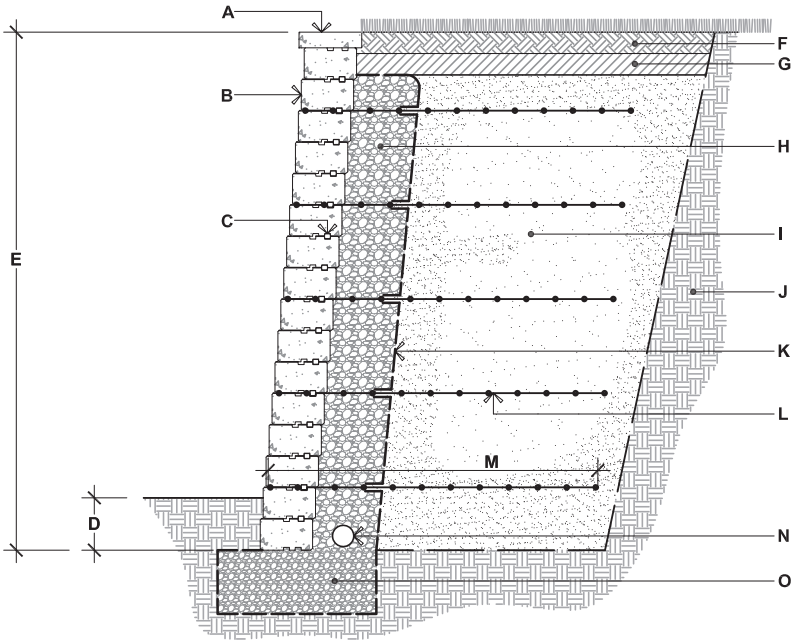
- ☐ Clean sand and gravel
- ☐ Silty gravel
- ☐ Clayey gravel
- ☐ Silty sand
- ☐ Clayey sand
- ☐ Silt and clay
- ☐ Other _____

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

Wall Design Charts

RETAINING WALLS



A. CAP UNIT FROM TECHO-BLOC
B. TECHO-BLOC WALL UNIT
C. CONNECTOR
D. EMBEDMENT DEPTH LARGEST: 8'' (200 mm) OR 10% OF THE HEIGHT ABOVE GROUND MIN.
E. TOTAL HEIGHT (VARIABLE)
F. TOPSOIL
G. LOW PERMEABILITY SOIL
H. CLEAN STONE 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 0-3/4'' (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 forpreliminary 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 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 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; 100 mm (3.94 in) for Monumental wall. The wall height varies approximately from 0.6 m (1.97 ft) to 2.5 m (8.20 ft), gradually increasing in height increments of 0.4-0.8 m (1.31-2.62 ft). The type of soil assumed in the reinforced soil zone (reinforced backfill) is a mixture of sand and gravel (minimum friction angle of 36°). The description of the soil is provided for information purposes; it is the actual shear strength parameter that will govern the design.

THE TWO LOAD CONDITIONS ARE:

(i) A horizontal surface above the wall with a surcharge of 6 kPa (125 psf).

(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 height of the wall and the length of the geogrid are given in millimeters.

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 0-20 mm (0-3/4 in) crushed stone. A concrete pad can be used. Compaction must be carried out in successive layers of a maximum of 8 in (200 mm) in thickness and in accordance with project specifications. The minimum burial depth must be 200 mm (8 in) or 10% of the above ground wall height, whichever is greater.

For further information, please contact our technical service department.

Email: WALLS@TECHO-BLOC.COM
Web site: WWW.TECHO-BLOC.COM

Wall Design Charts

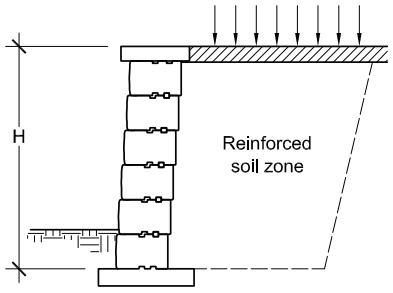
RETAINING WALL - BALTIMORE 180 mm

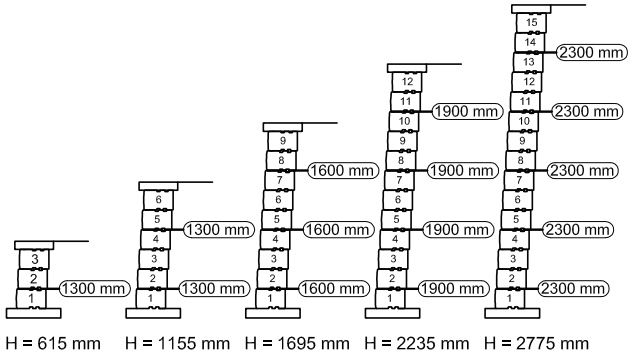
EQUIVALENT TO TWICE THE BALTIMORE 90 mm

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 page 175.**

CASE Nº 1

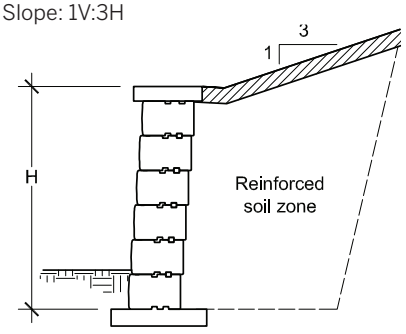
Inclined wall (4,4°)
Surcharge: 6 kPa

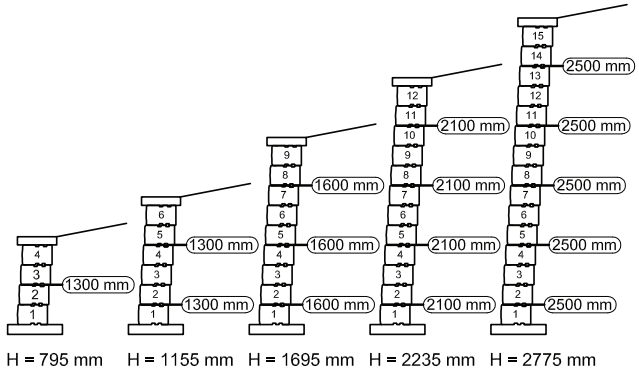




CASE Nº 2

Inclined wall (4.4°)
Slope: 1V:3H





THE DESIGN CHARTS WERE DEVELOPED BASED ON THE FOLLOWING CONDITIONS:

- Geogrid layout determined as per the requirements of the "Design Manual for Segmental Retaining Walls, 3rd Edition" from the National Concrete Masonry Association.
- Geogrid type Miragrid® 3XT from Tencate Mirafi.
- Soil parameters: reinforced soil (ϕ = 36°, γ = 21 kN/m³); retained soil (ϕ = 28°, γ = 20 kN/m³); foundation soil (ϕ= 28°, γ = 19 kN/m³).
- The bearing capacity of the soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
- The seismic analysis was not considered.
- The hydrostatic pressure is not considered. The wall must be provided with an adequate drainage system.
- 6 kPa (125 psf) surcharge (cars and light trucks).
- 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

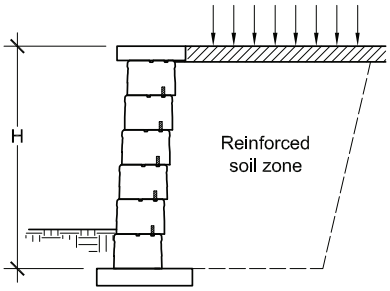
RETAINING WALL - BRANDON 180 mm

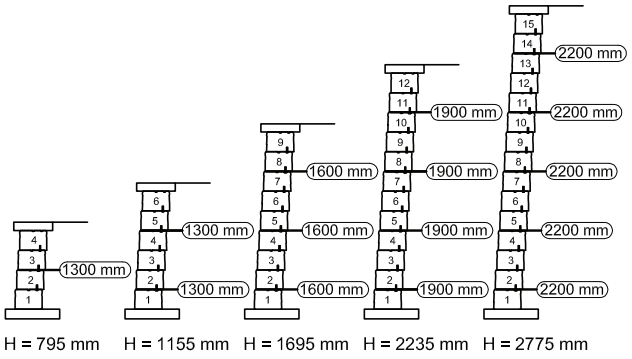
EQUIVALENT TO TWICE THE BRANDON 90 mm

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 page 175.**

CASE Nº 1

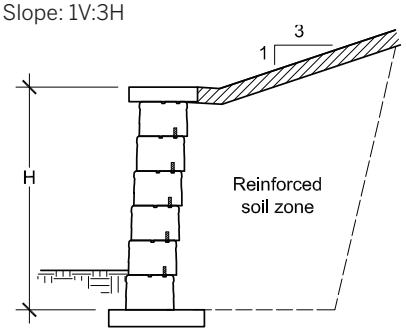
Inclined wall (4.4°)
Surcharge: 6 kPa

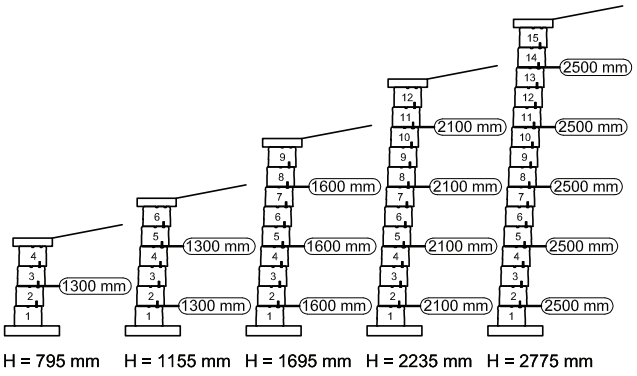




CASE Nº 2

Inclined wall (4.4°)
Slope: 1V:3H





THE DESIGN CHARTS WERE DEVELOPED BASED ON THE FOLLOWING CONDITIONS:

- Geogrid layout determined as per the requirements of the "Design Manual for Segmental Retaining Walls, 3rd Edition" from the National Concrete Masonry Association.
- Geogrid type Miragrid® 3XT from Tencate Mirafi.
- Soil parameters: reinforced soil (ϕ = 36°, γ = 21 kN/m^3); retained soil (ϕ = 28°, γ = 20 kN/m^3); foundation soil (ϕ= 28°, γ = 19 kN/m^3).
- The bearing capacity of the soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
- The seismic analysis was not considered.
- The hydrostatic pressure is not considered. The wall must be provided with an adequate drainage system.
- 6 kPa (125 psf) surcharge (cars and light trucks).
- 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

RETAINING WALL - ESCALA 3.5"

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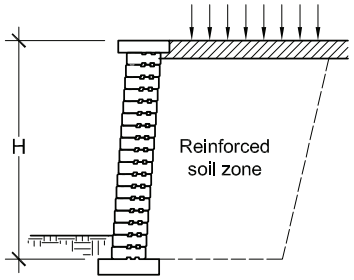
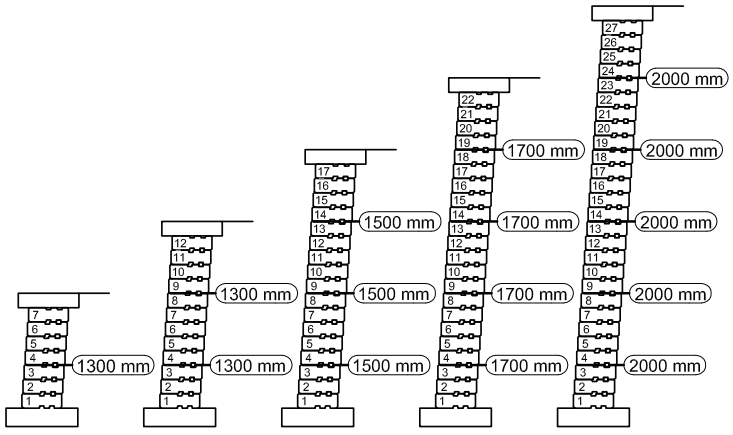
CASE Nº 1

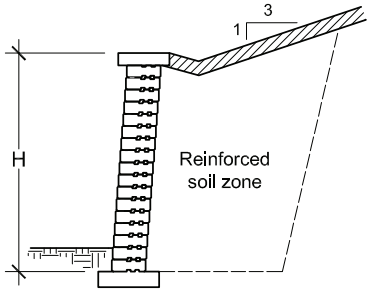
Inclined wall (4°)
Surcharge: 6 kPa

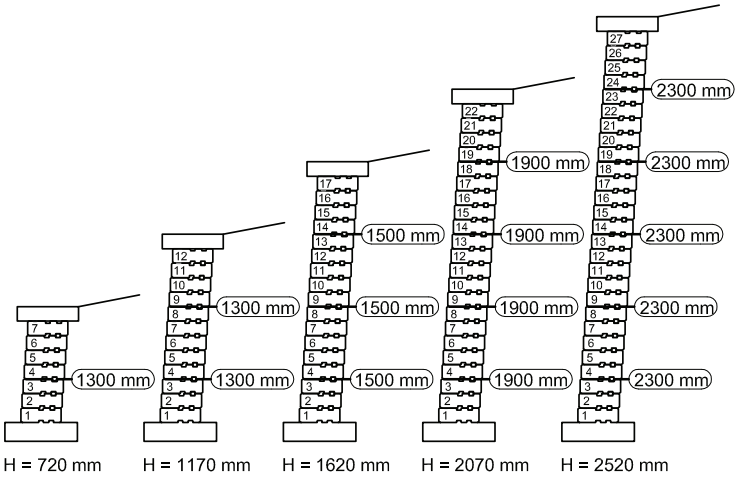




CASE Nº 2

Inclined wall (4°)
Slope: 1V:3H





THE DESIGN CHARTS WERE DEVELOPED BASED ON THE FOLLOWING CONDITIONS:

- Geogrid layout determined as per the requirements of the "Design Manual for Segmental Retaining Walls, 3rd Edition" from the National Concrete Masonry Association.
- Geogrid type Miragrid® 3XT from Tencate Mirafi.
- Soil parameters: reinforced soil (ϕ = 36°, γ = 21 kN/m³); retained soil (ϕ = 28°, γ = 20 kN/m³); foundation soil (ϕ= 28°, γ = 19 kN/m³).
- The bearing capacity of the soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
- The seismic analysis was not considered.
- The hydrostatic pressure is not considered. The wall must be provided with an adequate drainage system.
- 6 kPa (125 psf) surcharge (cars and light trucks).
- The design charts do not apply to tiered walls.

For further information, please contact our technical service department.
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Wall Design Charts

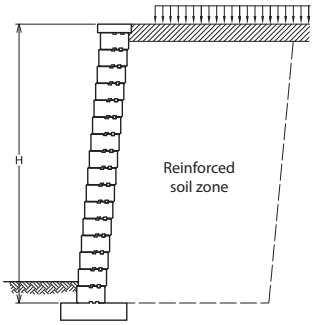
RETAINING WALL - MINI-CRETA 6"

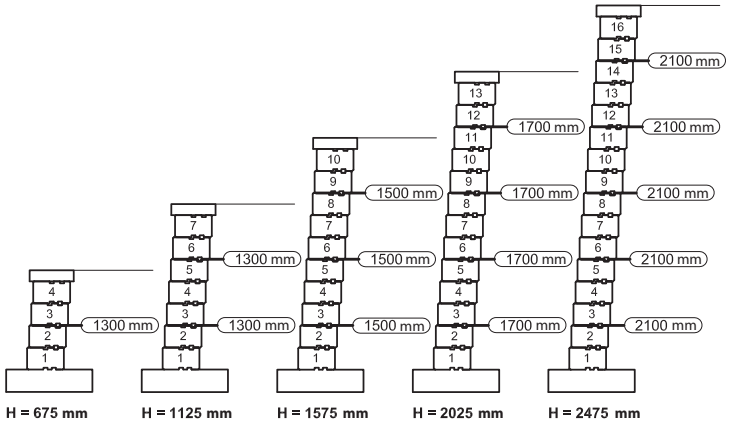
EQUIVALENT TO TWICE THE MINI-CRETA 3"

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 page 175.**

CASE Nº 1

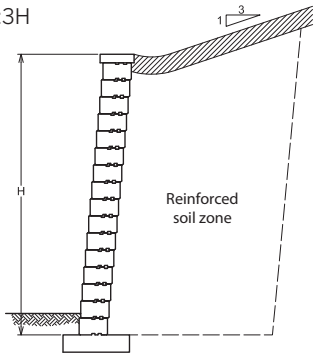
Inclined wall (5°)
Surcharge: 6 kPa

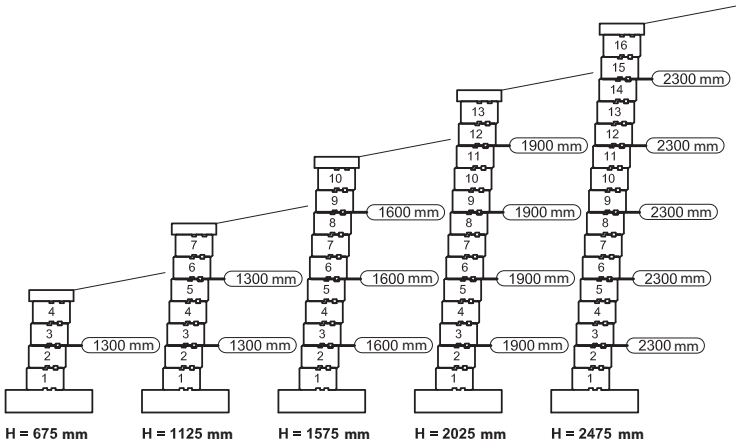




CASE Nº 2

Inclined wall (5°)
Slope: 1V:3H





THE DESIGN CHARTS WERE DEVELOPED BASED ON THE FOLLOWING CONDITIONS:

- Geogrid layout determined as per the requirements of the "Design Manual for Segmental Retaining Walls, 3rd Edition" from the National Concrete Masonry Association.
- Geogrid type Miragrid® 3XT from Tencate Mirafi.
- Soil parameters: reinforced soil (ϕ = 36°, γ = 21 kN/m^3); retained soil (ϕ = 28°, γ = 20 kN/m^3); foundation soil (ϕ= 28°, γ = 19 kN/m^3).
- The bearing capacity of the soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
- The seismic analysis was not considered.
- The hydrostatic pressure is not considered. The wall must be provided with an adequate drainage system.
- 6 kPa (125 psf) surcharge (cars and light trucks).
- The design charts do not apply to tiered walls.

For further information, please contact our technical service department.
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Wall Design Charts

RETAINING WALL - MONUMENTAL

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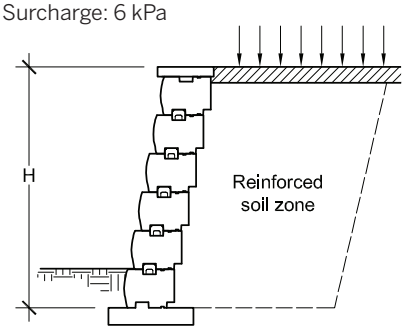
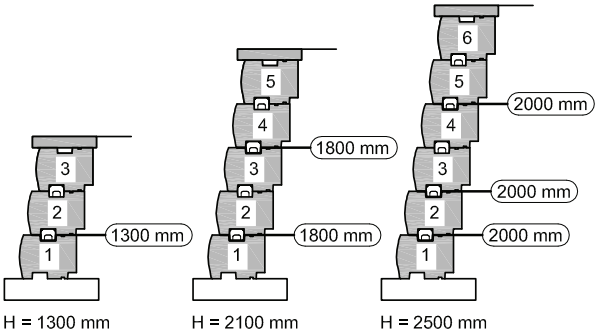
CASE Nº 1

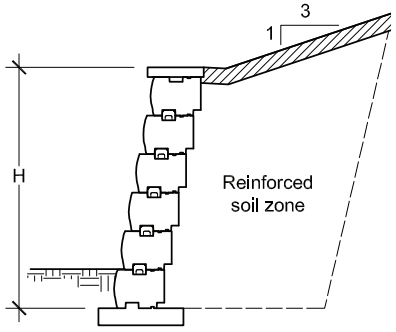
Inclined wall (10.8°)
Surcharge: 6 kPa

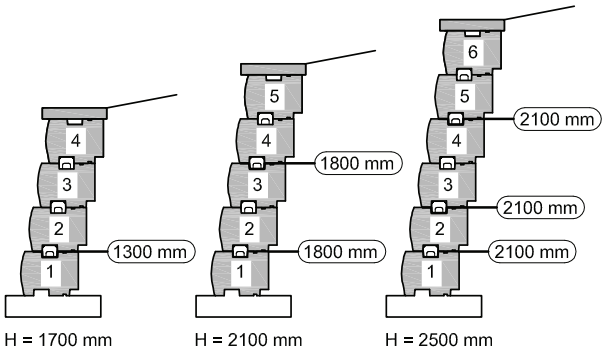




CASE Nº 2

Inclined wall (10.8°)
Slope: 1V:3H





THE DESIGN CHARTS WERE DEVELOPED BASED ON THE FOLLOWING CONDITIONS:

- Geogrid layout determined as per the requirements of the "Design Manual for Segmental Retaining Walls, 3rd Edition" from the National Concrete Masonry Association.
- Geogrid type Miragrid® 3XT from Tencate Mirafi.
- Soil parameters: reinforced soil (ϕ = 36°, γ = 21 kN/m³); retained soil (ϕ = 28°, γ = 20 kN/m³); foundation soil (ϕ= 28°, γ = 19 kN/m³).
- The bearing capacity of the soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
- The seismic analysis was not considered.
- The hydrostatic pressure is not considered. The wall must be provided with an adequate drainage system.
- 6 kPa (125 psf) surcharge (cars and light trucks).
- 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

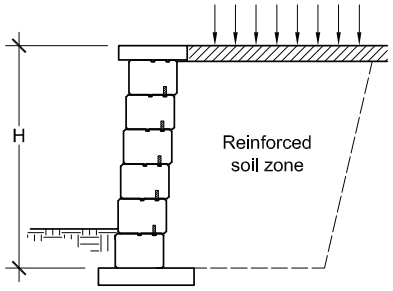
RETAINING WALL - RAFFINATO 180 mm

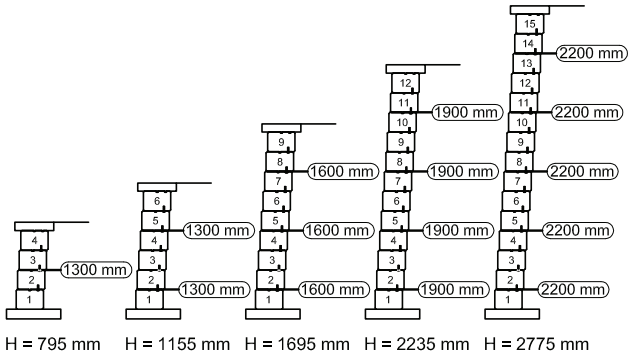
EQUIVALENT TO TWICE THE RAFFINATO 90 mm

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 page 175.**

CASE Nº 1

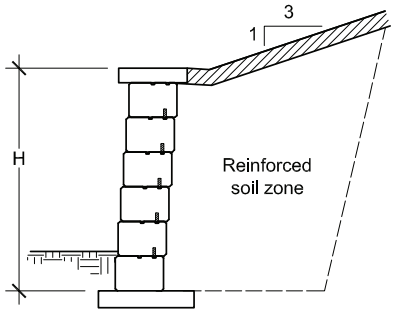
Inclined wall (4.4°)
Surcharge: 6 kPa

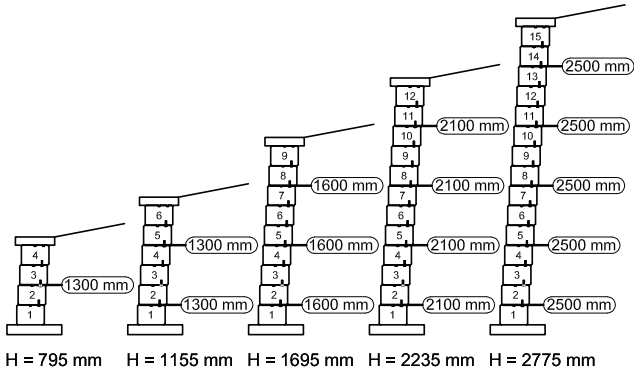




CASE Nº 2

Inclined wall (4.4°)
Slope: 1V:3H





THE DESIGN CHARTS WERE DEVELOPED BASED ON THE FOLLOWING CONDITIONS:

- Geogrid layout determined as per the requirements of the "Design Manual for Segmental Retaining Walls, 3rd Edition" from the National Concrete Masonry Association.
- Geogrid type Miragrid® 3XT from Tencate Mirafi.
- Soil parameters: reinforced soil ($\phi = 36°$, $\gamma = 21$ kN/m³); retained soil ($\phi = 28°$, $\gamma = 20$ kN/m³); foundation soil ($\phi = 28°$, $\gamma = 19$ kN/m³).
- The bearing capacity of the soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
- The seismic analysis was not considered.
- The hydrostatic pressure is not considered. The wall must be provided with an adequate drainage system.
- 6 kPa (125 psf) surcharge (cars and light trucks).
- The design charts do not apply to tiered walls.

For further information, please contact our technical service department.

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Wall Design Charts

RETAINING WALL - MONUMENTAL

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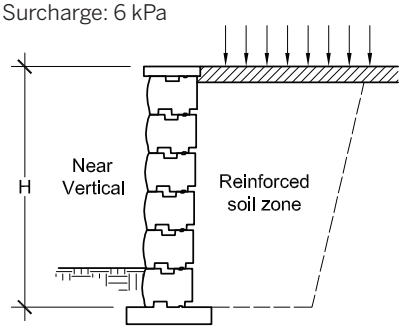
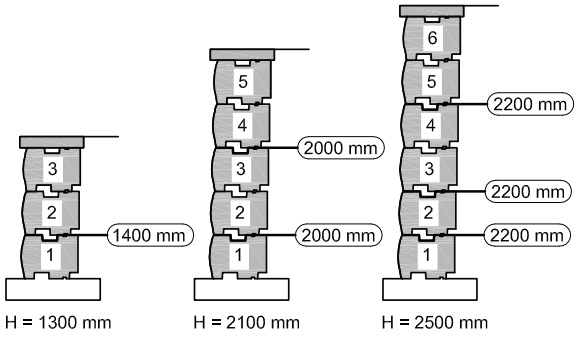
CASE Nº 3

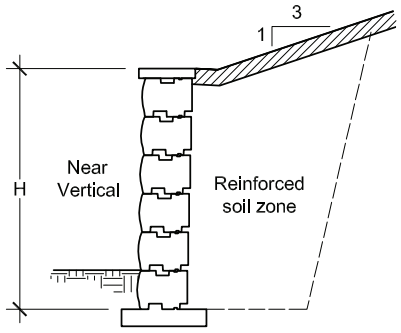
Near vertical wall (1.4°)
Surcharge: 6 kPa

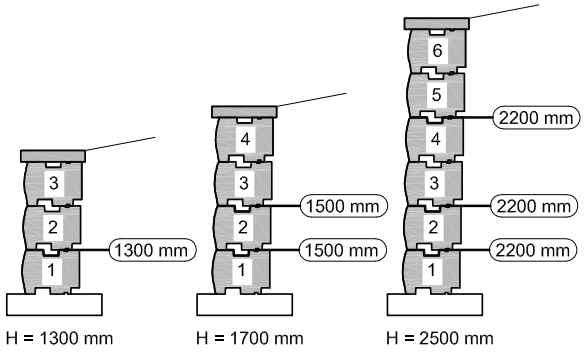




CASE Nº 4

Near vertical wall (1.4°)
Slope: 1V:3H





THE DESIGN CHARTS WERE DEVELOPED BASED ON THE FOLLOWING CONDITIONS:

- Geogrid layout determined as per the requirements of the "Design Manual for Segmental Retaining Walls, 3rd Edition" from the National Concrete Masonry Association.
- Geogrid type Miragrid® 3XT from Tencate Mirafi.
- Soil parameters: reinforced soil (ϕ = 36°, γ = 21 kN/m³); retained soil (ϕ = 28°, γ = 20 kN/m³); foundation soil (ϕ= 28°, γ = 19 kN/m³).
- The bearing capacity of the soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
- The seismic analysis was not considered.
- The hydrostatic pressure is not considered. The wall must be provided with an adequate drainage system.
- 6 kPa (125 psf) surcharge (cars and light trucks).
- The design charts do not apply to tiered walls.

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Wall Design Charts

RETAINING WALL - SEMMA

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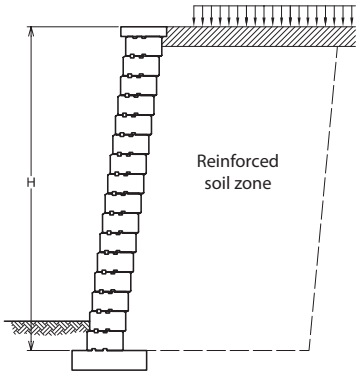
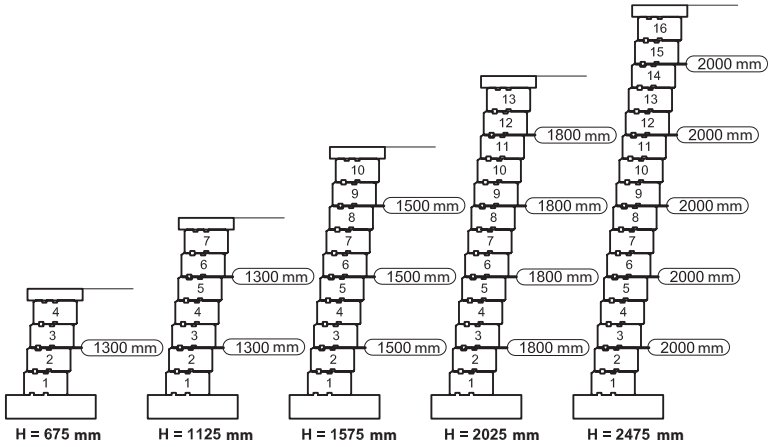
CASE Nº 1

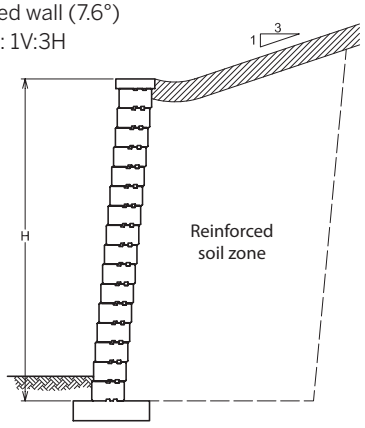
Inclined wall (7.6°)
Surcharge: 6 kPa

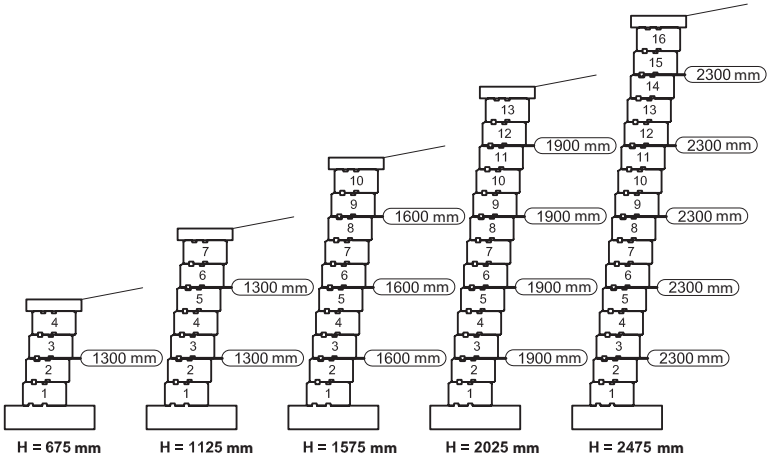




CASE Nº 2

Inclined wall (7.6°)
Slope: 1V:3H





THE DESIGN CHARTS WERE DEVELOPED BASED ON THE FOLLOWING CONDITIONS:

- Geogrid layout determined as per the requirements of the "Design Manual for Segmental Retaining Walls, 3rd Edition" from the National Concrete Masonry Association.
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- Soil parameters: reinforced soil (ϕ = 36°, γ = 21 kN/m³); retained soil (ϕ = 28°, γ = 20 kN/m³); foundation soil (ϕ= 28°, γ = 19 kN/m³).
- The bearing capacity of the soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
- The seismic analysis was not considered.
- The hydrostatic pressure is not considered. The wall must be provided with an adequate drainage system.
- 6 kPa (125 psf) surcharge (cars and light trucks).
- The design charts do not apply to tiered walls.

For further information, please contact our technical service department.
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Wall Design Charts

RETAINING WALL - SUPREMA

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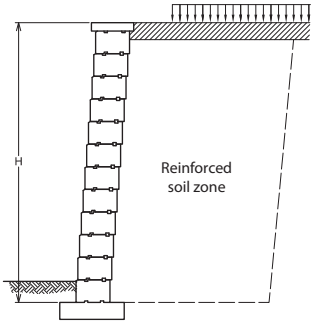
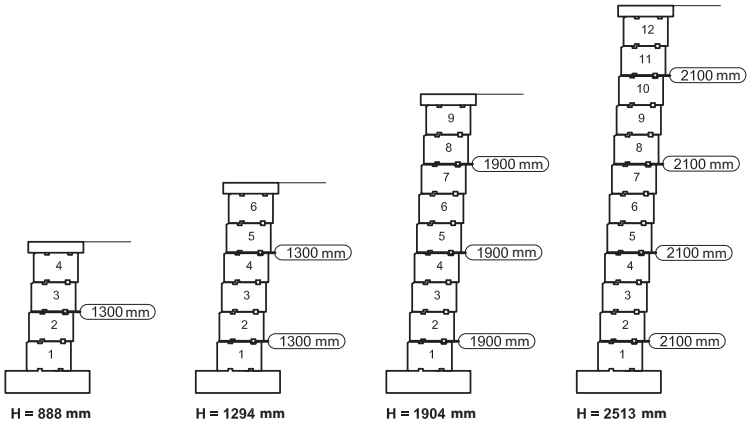
CASE Nº 1

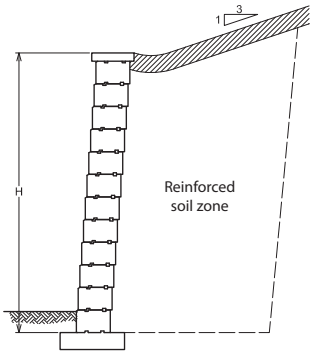
Inclined wall (4.5°)
Surcharge: 6 kPa

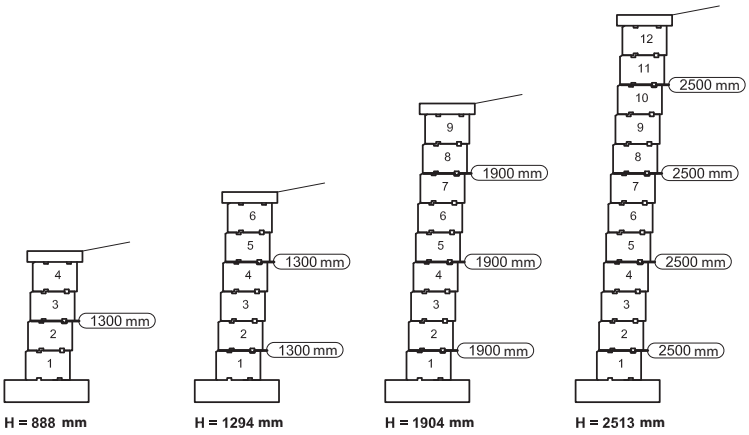




CASE Nº 2

Inclined wall (4.5°)
Slope: 1V:3H





THE DESIGN CHARTS WERE DEVELOPED BASED ON THE FOLLOWING CONDITIONS:

- Geogrid layout determined as per the requirements of the "Design Manual for Segmental Retaining Walls, 3rd Edition" from the National Concrete Masonry Association.
- Geogrid type Miragrid® 3XT from Tencate Mirafi.
- Soil parameters: reinforced soil (ϕ = 36°, γ = 21 kN/m³); retained soil (ϕ = 28°, γ = 20 kN/m³); foundation soil (ϕ= 28°, γ = 19 kN/m³).
- The bearing capacity of the soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
- The seismic analysis was not considered.
- The hydrostatic pressure is not considered. The wall must be provided with an adequate drainage system.
- 6 kPa (125 psf) surcharge (cars and light trucks).
- The design charts do not apply to tiered walls.

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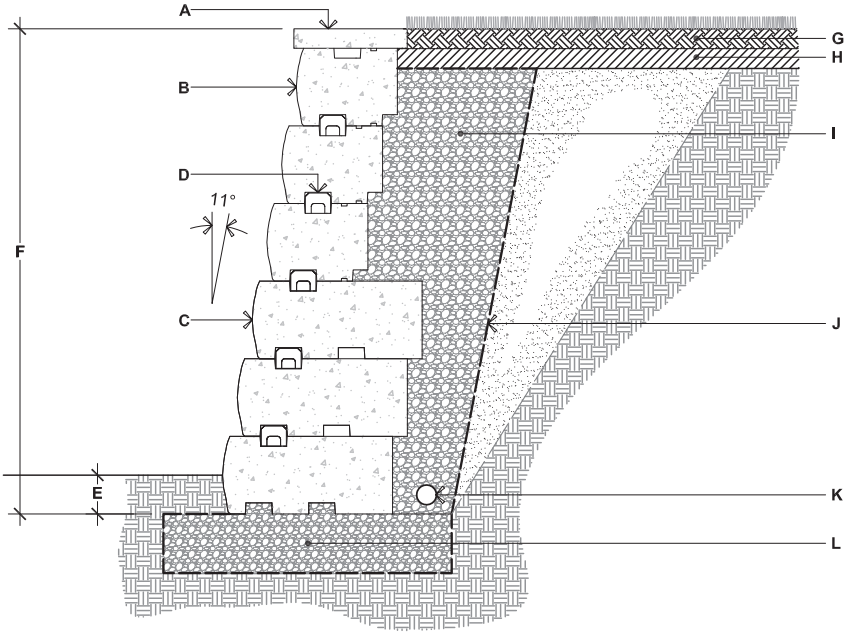
Wall Design Charts

RETAINING WALL - MONUMENTAL



A. MONUMENTAL CAP UNIT
B. MONUMENTAL (REGULAR BLOCK)
C. MONUMENTAL (BASE BLOCK)
D. CONNECTOR
E. EMBEDMENT DEPTH
Largest: 8" (200 mm) or 10% of the height above ground Min.
F. TOTAL HEIGHT (VARIABLE)
G. TOPSOIL
H. LOW PERMEABILITY SOIL
I. CLEAN STONE ¾" (20 mm)
12" (300 mm) MIN. BEHIND WALL
J. GEOTEXTILE
K. PERFORATED DRAIN 4" (100 mm) ø
L. LEVELING PAD
CRUSHED STONE 0-¾" (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 (⅜" (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

RETAINING WALL - 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 8" (200 mm) or 10% of the above ground wall height, whichever is greater.

For further information, please contact our technical service department.

Email
WALLS@TECHO-BLOC.COM

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WWW.TECHO-BLOC.COM/MONUMENTAL

Wall Design Charts

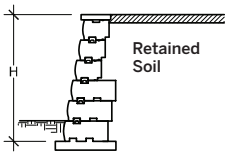
RETAINING WALL - MONUMENTAL

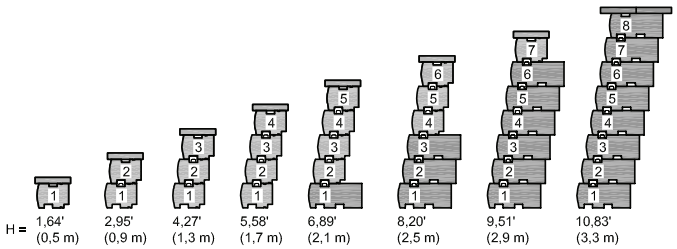
The information contained in the design charts is supplied for information purposes only. Techo-Bloc and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers can not under any circumstances be held liable for the incorrect use of information contained in design charts. **This chart should be read in conjunction with the notes on page 185.**

RETAINED SOIL: SAND AND GRAVEL MIXES (ϕ = 36°, γ = 125 pcf [19.6 kN/m^3])

CASE N^O 1

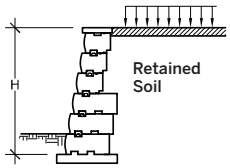
Inclined wall (10.8°)
Surcharge: None

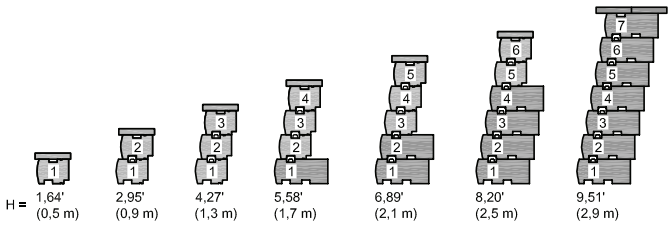




CASE N^O 2

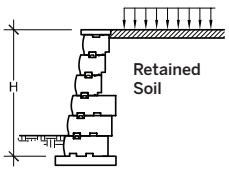
Inclined wall (10.8°)
Surcharge: 100 psf (4.8 kPa)

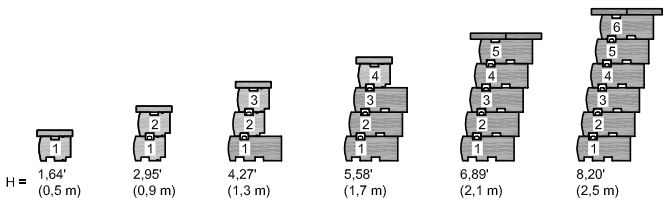




CASE N^O 3

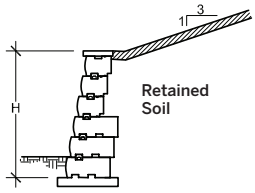
Inclined wall (10.8°)
Surcharge: 250 psf (12 kPa)

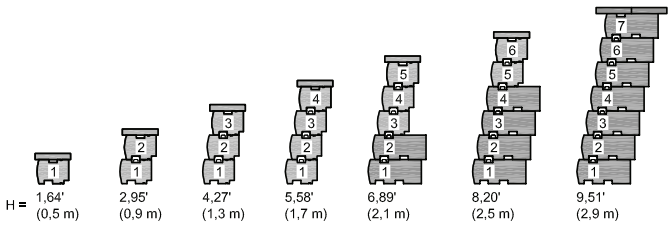




CASE N^O 4

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 ϕ = see above, γ = 125 pcf [19.6 kN/m^3]; foundation soil (ϕ = see above, γ = 120 pcf [18.9 kN/m^3]). 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 seismic analysis was not considered.
- 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.

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Wall Design Charts

RETAINING WALL - MONUMENTAL

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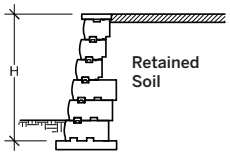
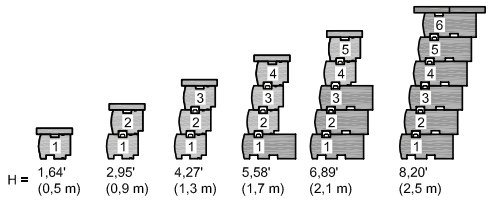
RETAINED SOIL: SANDS (ϕ = 30°, γ = 125 pcf [19.6 kN/m^3])

CASE Nº 5

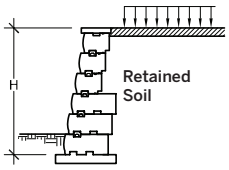
Inclined wall (10.8°)
Surcharge: None

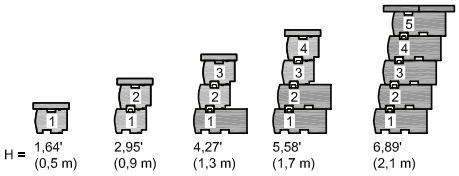




CASE Nº 6

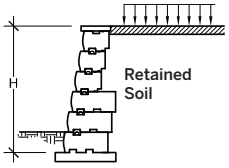
Inclined wall (10.8°)
Surcharge: 100 psf
(4.8 kPa)

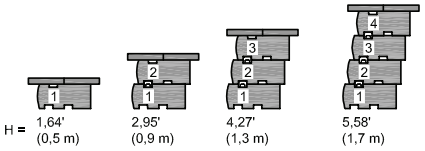




CASE Nº 7

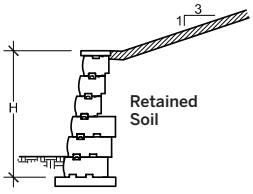
Inclined wall (10.8°)
Surcharge: 250 psf
(12 kPa)

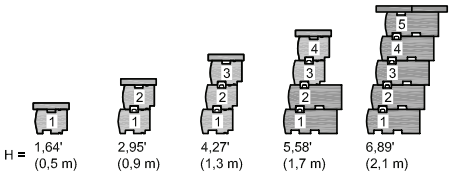




CASE Nº 8

Inclined wall (10.8°)
Slope: 1V:3H





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Wall Design Charts

RETAINING WALL - MONUMENTAL

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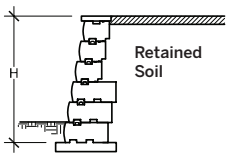
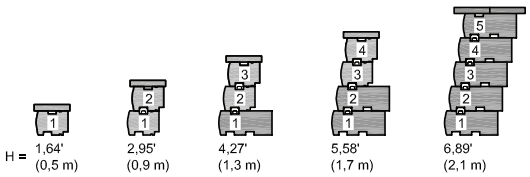
RETAINED SOIL: LOW PLASTIC SILTS AND CLAYS (ϕ = 28°, γ = 125 pcf [19.6 kN/m^3])

CASE Nº 9

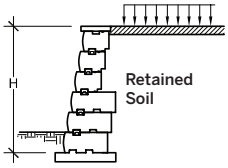
Inclined wall (10.8°)
Surcharge: None

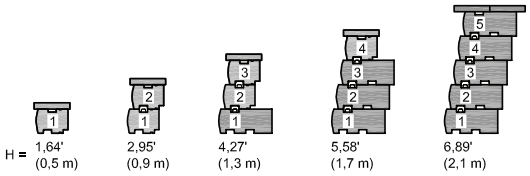




CASE Nº 10

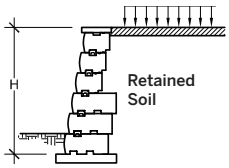
Inclined wall (10.8°)
Surcharge: 100 psf (4.8 kPa)

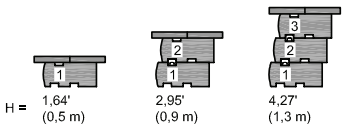




CASE Nº 11

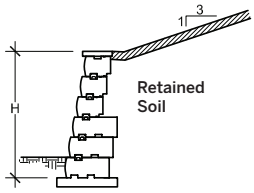
Inclined wall (10.8°)
Surcharge: 250 psf (12 kPa)

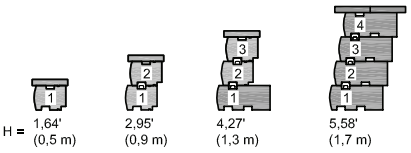




CASE Nº 12

Inclined wall (10.8°)
Slope: 1V:3H





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Wall Design Charts

RETAINING WALL - MONUMENTAL

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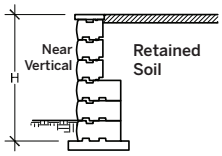
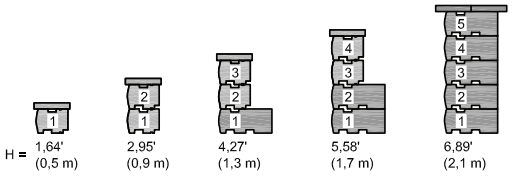
RETAINED SOIL: SAND AND GRAVEL MIXES (ϕ = 36°, γ = 125 pcf [19.6 kN/m^3])

CASE N^O 13

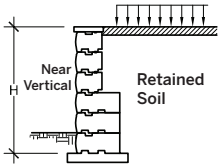
Near vertical wall (1.4°)
Surcharge: None

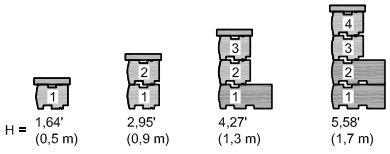




CASE N^O 14

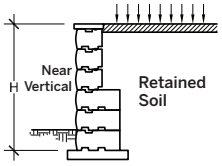
Near vertical wall (1.4°)
Surcharge: 100 psf (4.8 kPa)

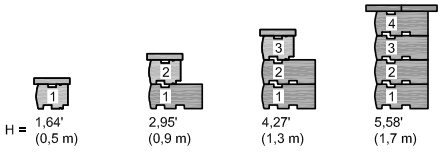




CASE N^O 15

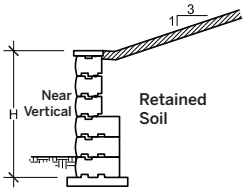
Near vertical wall (1.4°)
Surcharge: 250 psf (12 kPa)

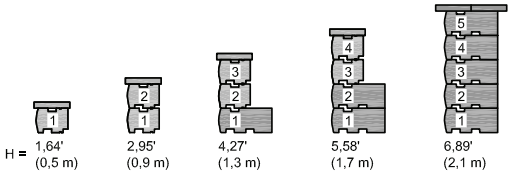




CASE N^O 16

Near vertical wall (1.4°)
Slope: 1V:3H





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Wall Design Charts

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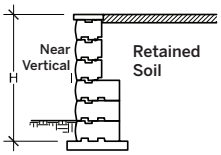
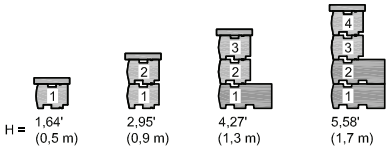
RETAINED SOIL: SANDS (ϕ = 30°, γ = 125 pcf [19.6 kN/m^3])

CASE N^O 17

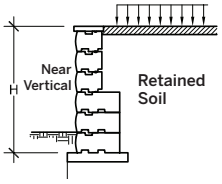
Near vertical wall (1.4°)
Surcharge: None

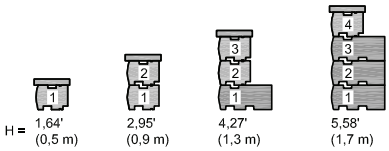




CASE N^O 18

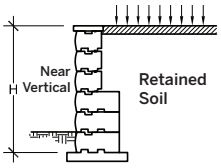
Near vertical wall (1.4°)
Surcharge: 100 psf
(4.8 kPa)

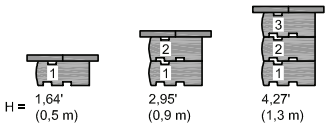




CASE N^O 19

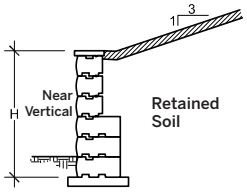
Near vertical wall (1.4°)
Surcharge: 250 psf
(12 kPa)

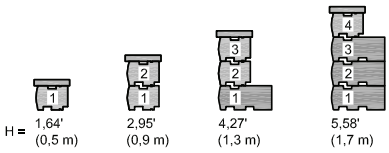




CASE N^O 20

Near vertical wall (1.4°)
Slope: 1V:3H





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Wall Design Charts

RETAINING WALL - MONUMENTAL

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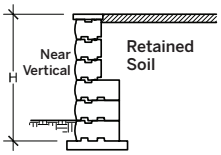
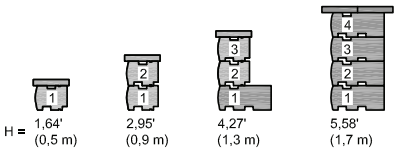
RETAINED SOIL: LOW PLASTIC SILTS AND CLAYS (ϕ = 28°, γ = 125 pcf [19.6 kN/m^3])

CASE N^O 21

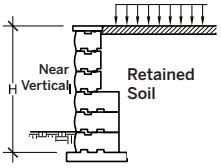
Near vertical wall (1.4°)
Surcharge: None

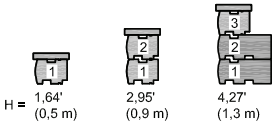




CASE N^O 22

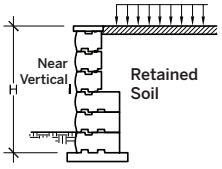
Near vertical wall (1.4°)
Surcharge: 100 psf (4.8 kPa)

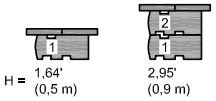




CASE N^O 23

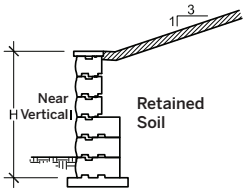
Near vertical wall (1.4°)
Surcharge: 250 psf (12 kPa)

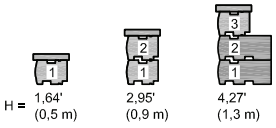




CASE N^O 24

Near vertical wall (1.4°)
Slope: 1V:3H





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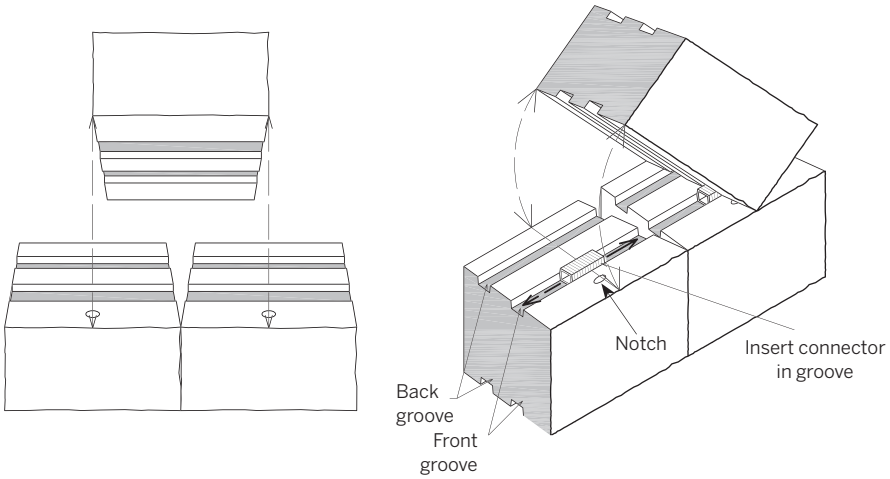
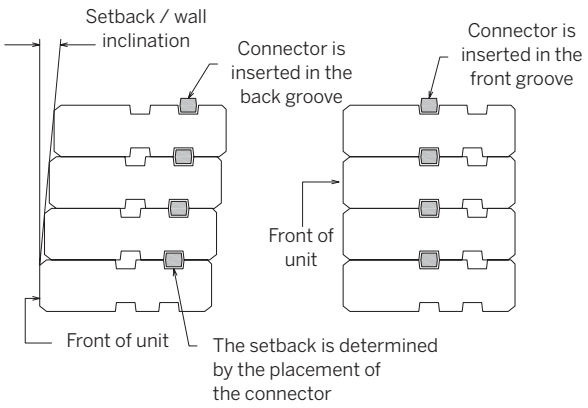
Installation guide
RETAINING WALLS

Anchoring system

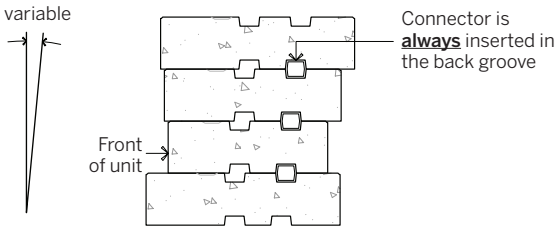
BALTIMORE, ESCALA 3.5", MINI-CRETA, SEMMA AND SUPREMA BLOCKS



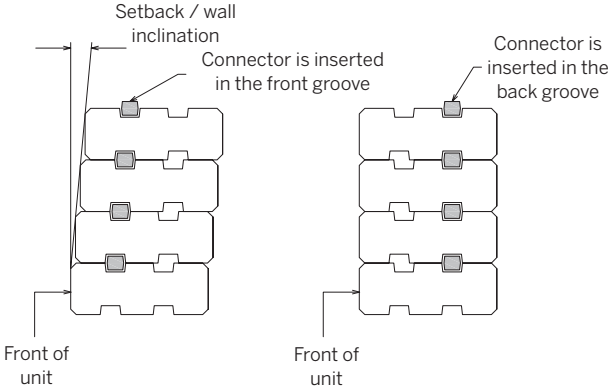
BALTIMORE, ESCALA 3.5", MINI-CRETA AND SUPREMA BLOCKS



GRAPHIX



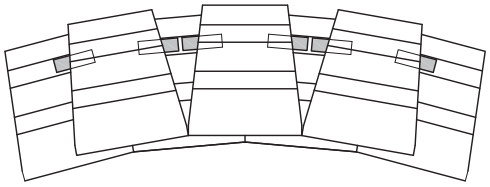
SEMMA



Installation guide
RETAINING WALLS

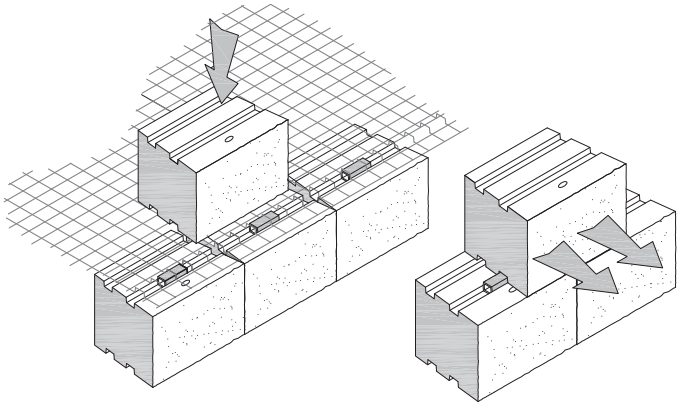
Anchoring system | Connectors in curved wall application

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

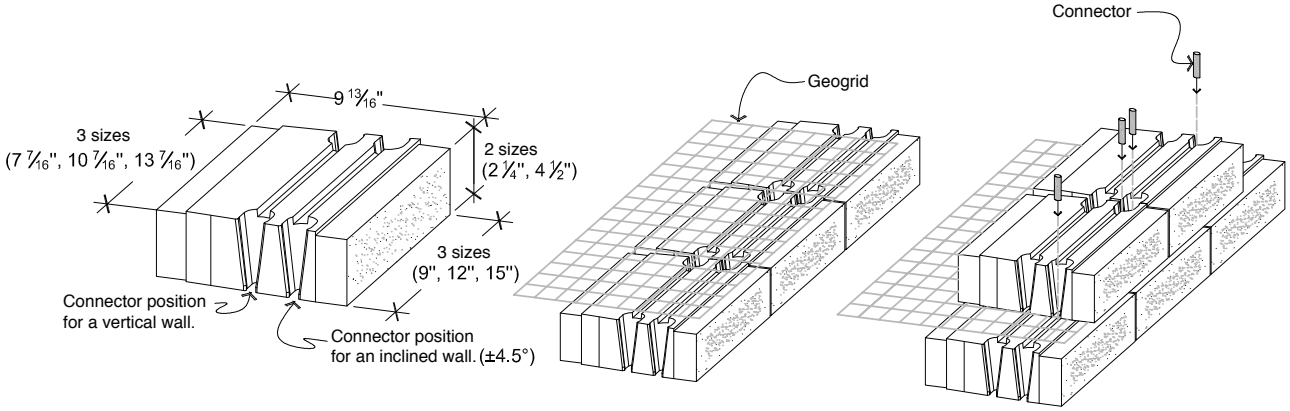


Anchoring system | Connectors in geogrid reinforced wall application

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.



PRESCOTT BLOCKS

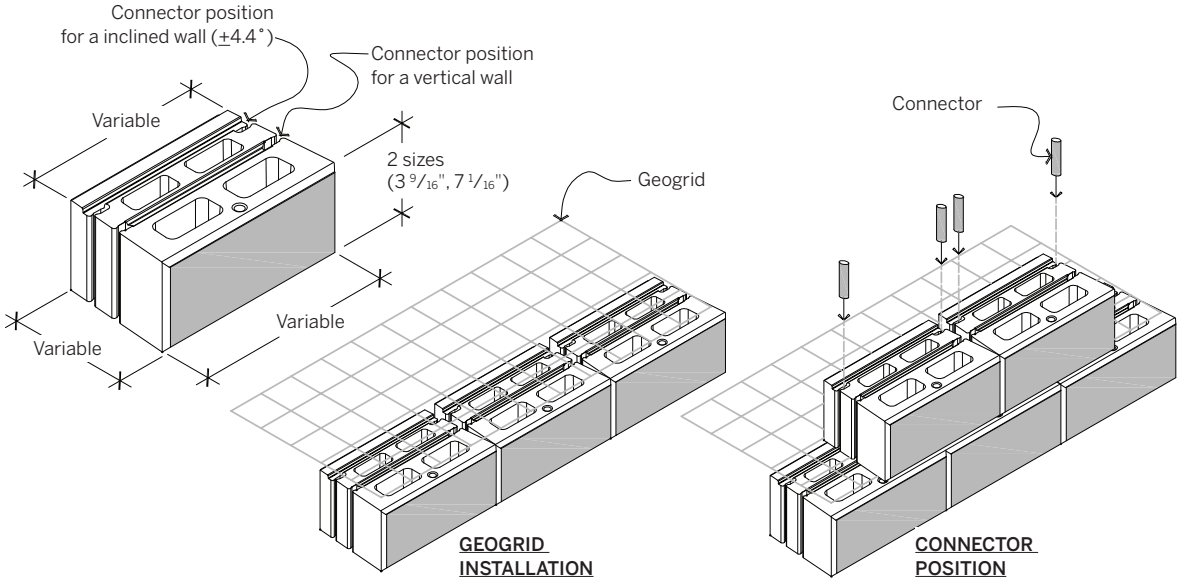


GEOGRID INSTALLATION CONNECTOR POSITION

Note: It is recommanded to install the connectors for an inclined wall when a geogrid is required.

Installation guide
RETAINING WALLS

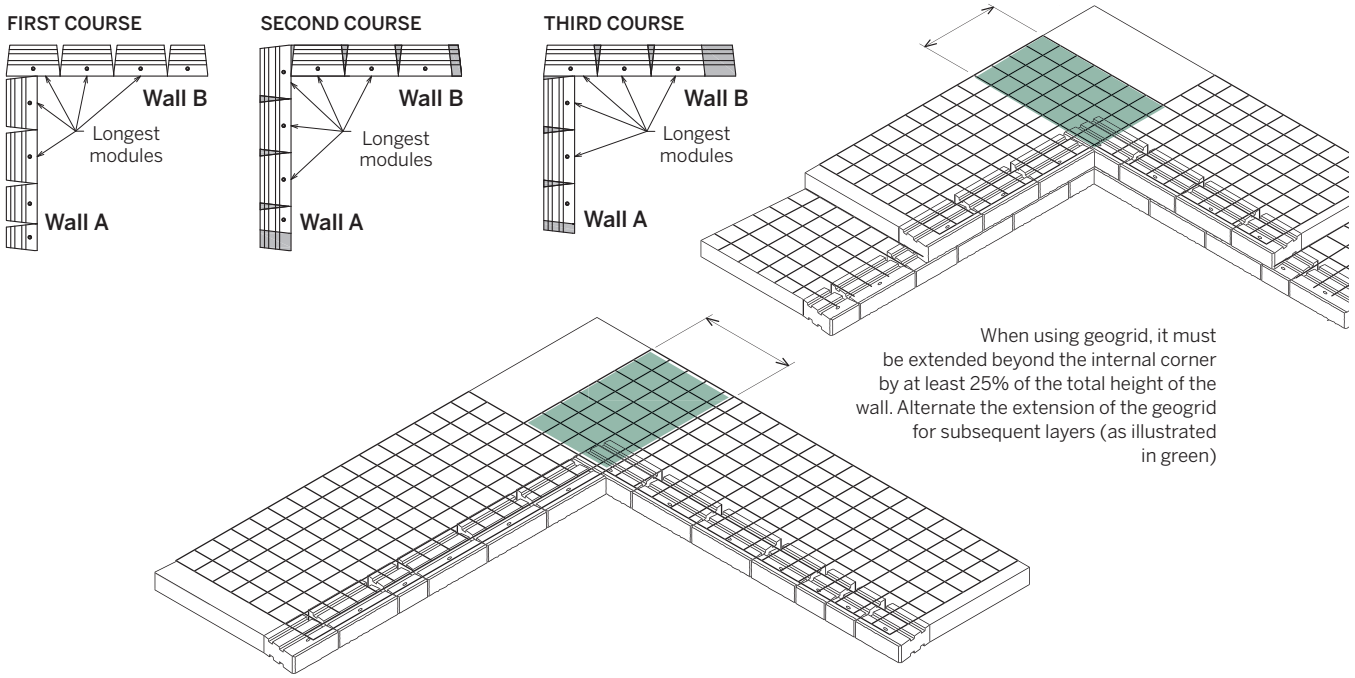
BRANDON & RAFFINATO BLOCKS



NOTE: It is recommanded to install the connectors for an inclined wall when a geogrid is required.

Internal corner

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 so 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.

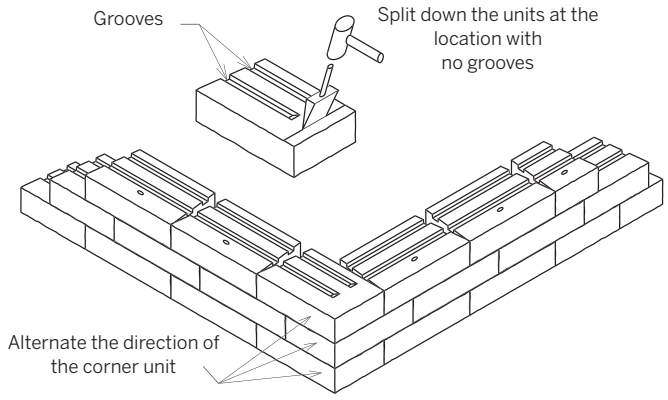


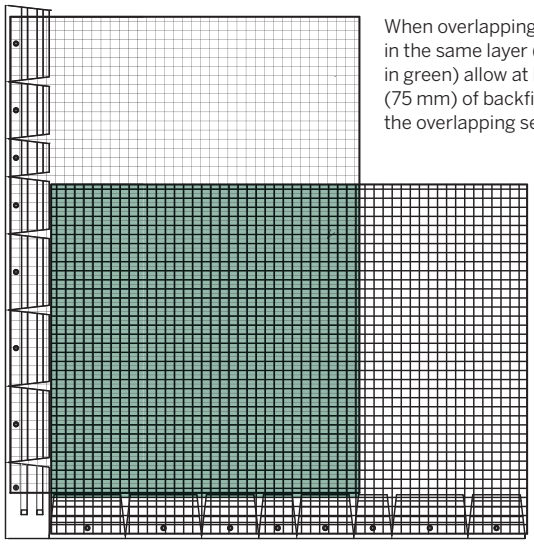
When using geogrid, it must be extended beyond the internal corner by at least 25% of the total height of the wall. Alternate the extension of the geogrid for subsequent layers (as illustrated in green)

Installation guide
RETAINING WALLS

External corner

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.

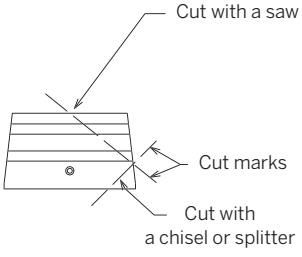


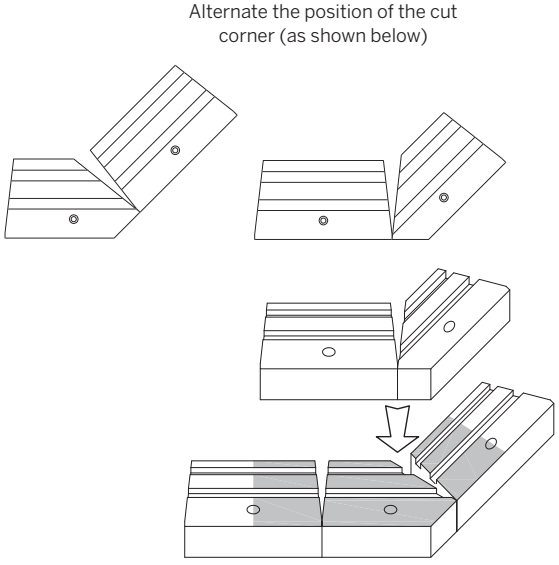


When overlapping two geodrids in the same layer (as illustrated in green) allow at least 3" (75 mm) of backfill in between the overlapping section

Oblique corner

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.



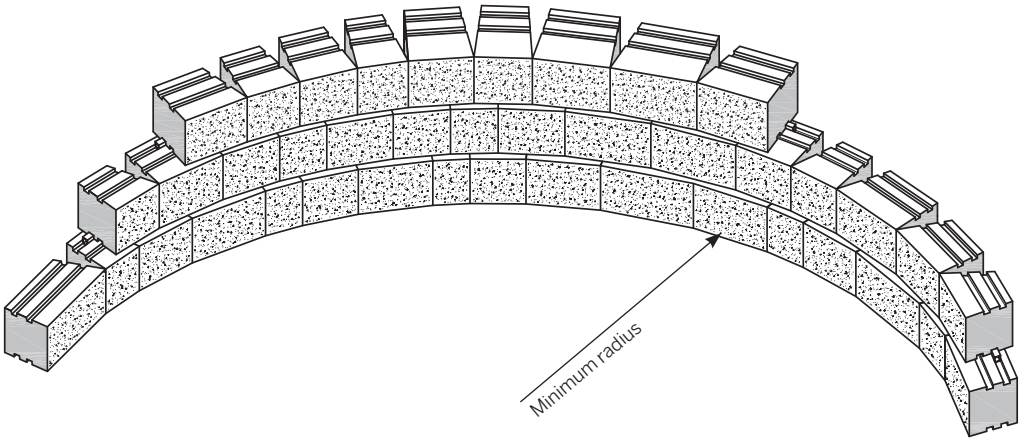


Installation guide
RETAINING WALLS

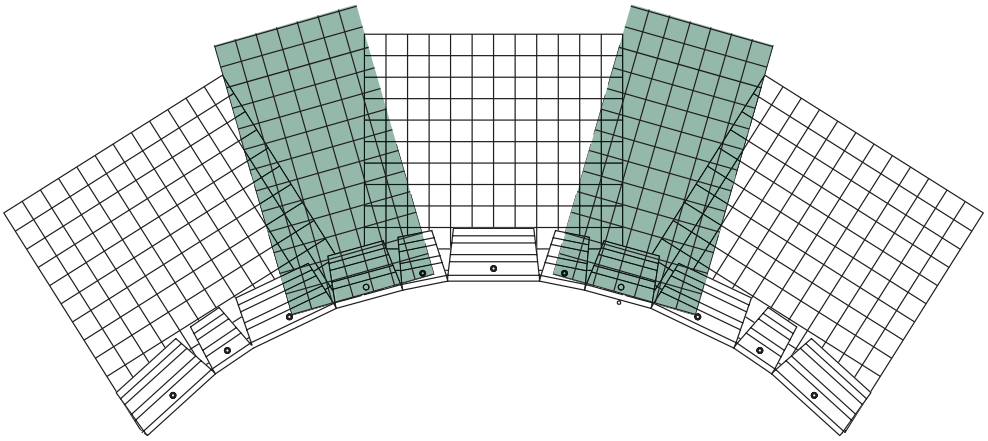
Internal curve

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.



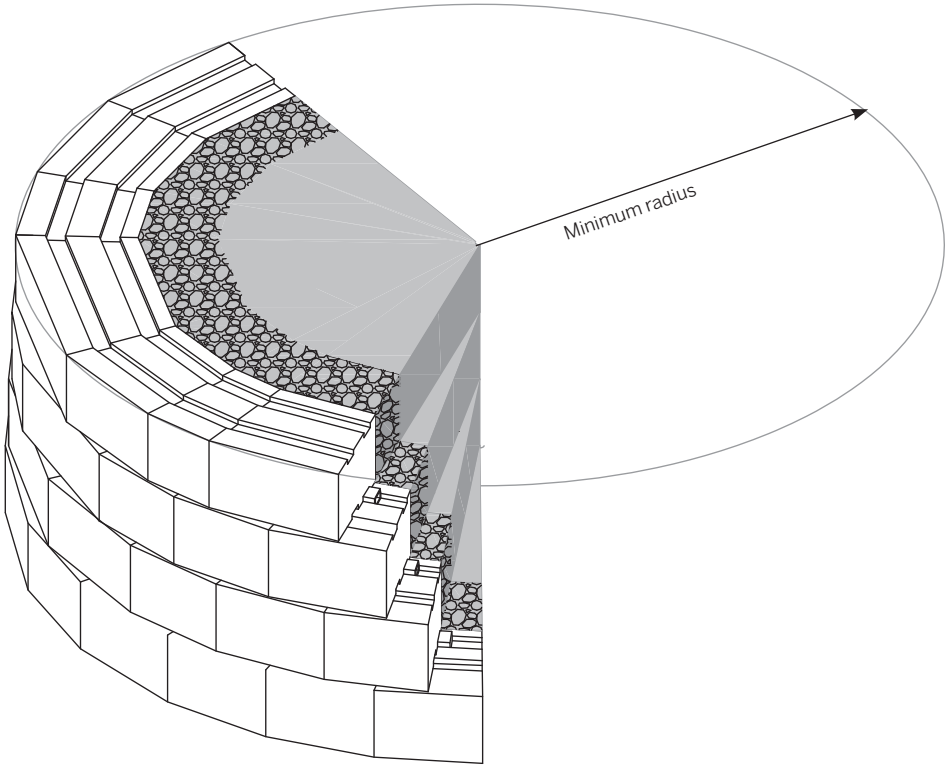
When using geogrid, it must cover 100% of the surface around the curve. To do this, additional layers of geogrid are placed on the next course of blocks to fill voids created from previous course (as illustrated in green).



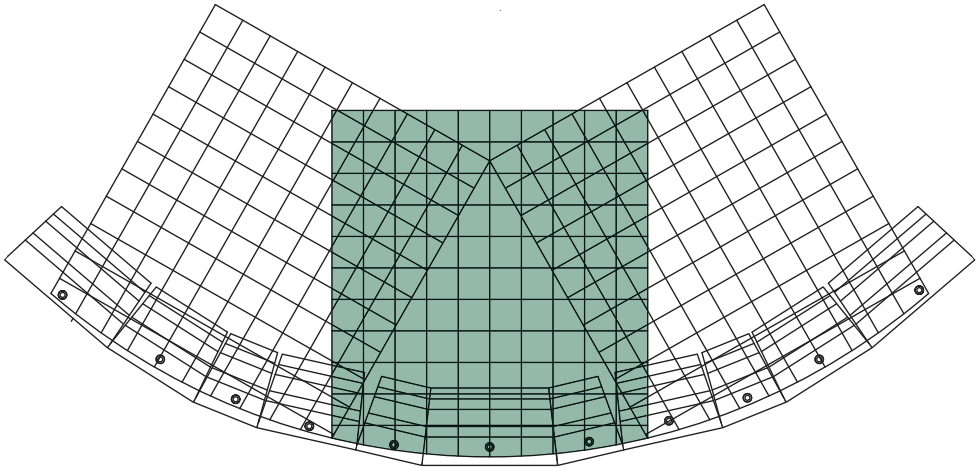
Installation guide
RETAINING WALLS

External curve

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 internal curves, the external curve gets smaller as courses are added. The minimum radius is therefore that of the last course.



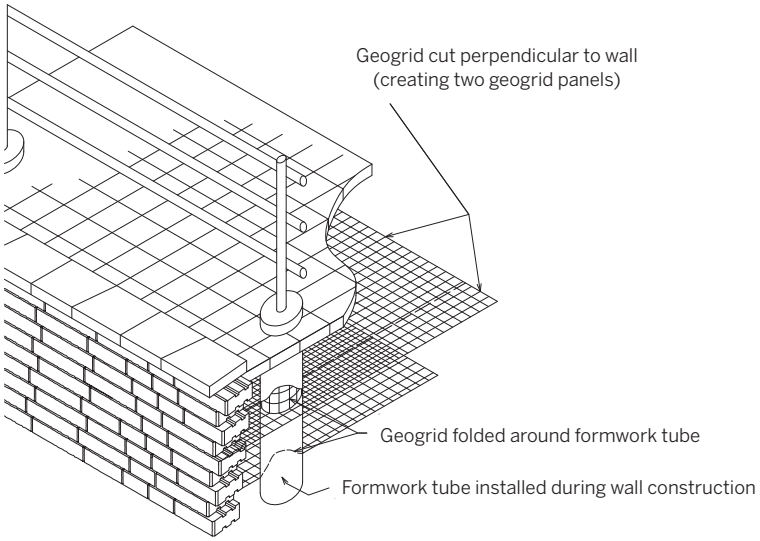
When using geogrid, it must cover 100% of the surface around the curve. To achieve this, additional layers of geogrid are placed on the same course of blocks to fill voids (as illustrated in green). In this case, we recommend at least 3" (75 mm) of backfill in between the overlapping sections.



Installation guide
RETAINING WALLS

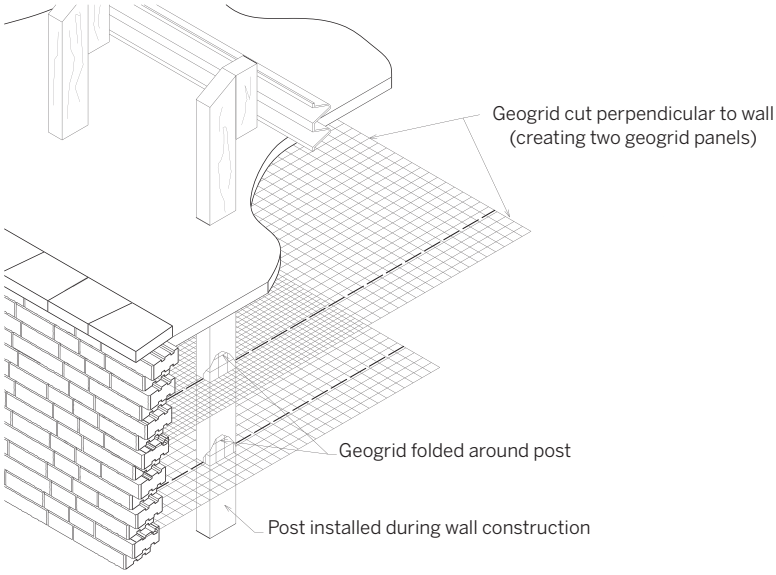
Fencing

Fencing can be erected behind the blocks. 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.



Guard Rail

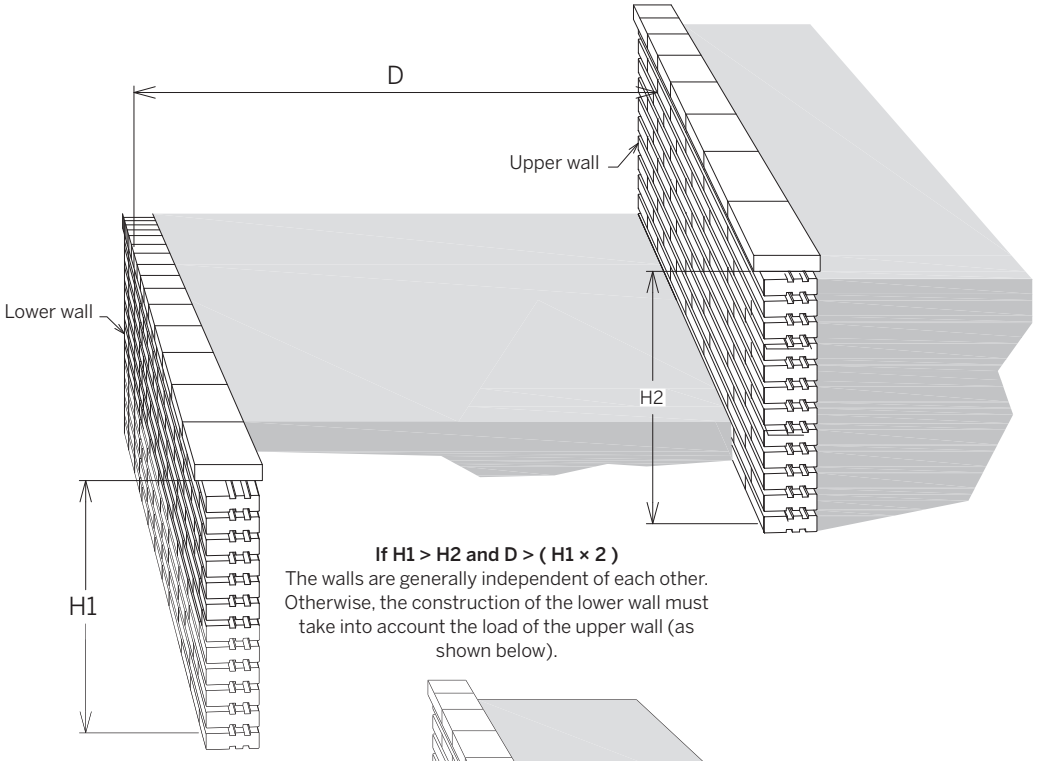
As with fencing, a guardrail can be incorporated behind the blocks. The guardrail posts must be installed during construction of the wall. The geogrid is cut perpendicular to the wall and in alignment with the center of the post, thus creating two geogrid panels. These two panels are connected at the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



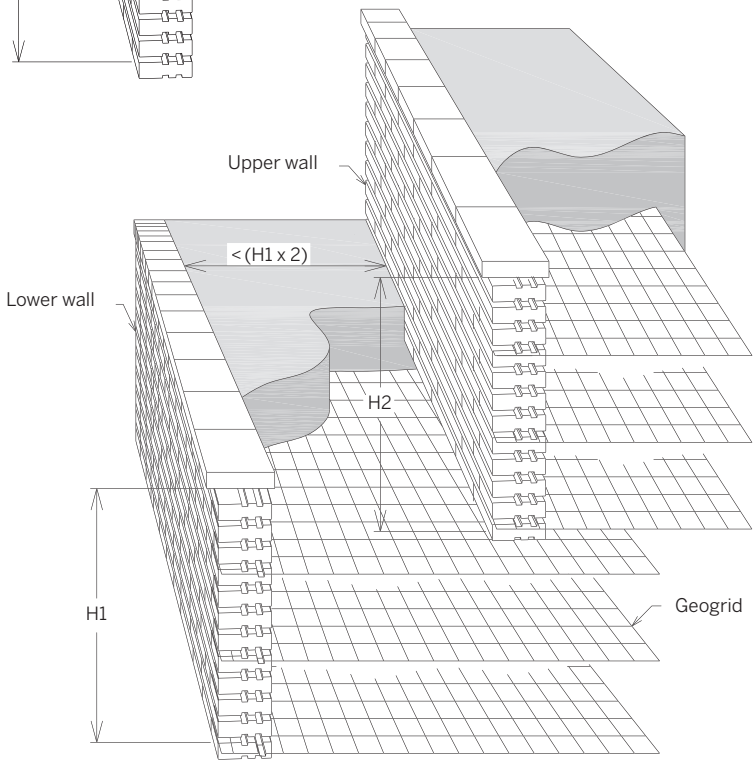
Installation guide
RETAINING WALLS

Tiered wall

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.



If H1 > H2 and D > (H1 × 2)
The walls are generally independent of each other. Otherwise, the construction of the lower wall must take into account the load of the upper wall (as shown below).



Installation guide

LAYING PATTERNS FOR RETAINING WALL

Techo-Bloc has developed a series of patterns to inspire you and help create your retaining wall projects and include the following products: (Baltimore, Mini-Creta, Prescott and Raffinato). The patterns are created from various models.

Each model provides the possibility of different combinations of modules. A combination can be repeated several times or combined to create a variety of combinations. Depending on the height of the wall or, if the geogrid is used, a combination of different patterns may be used for the same wall.

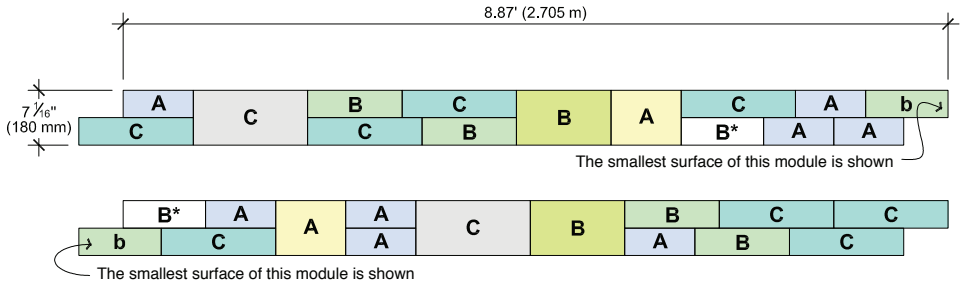
These patterns have been developed to capture the look of hand-laid stone. For each pattern, a ratio of quantity is provided, which will guide you in estimating the overall material required for a given project.

WALLS - BALTIMORE 90 mm & 180 mm

1-row pattern | Laying patterns

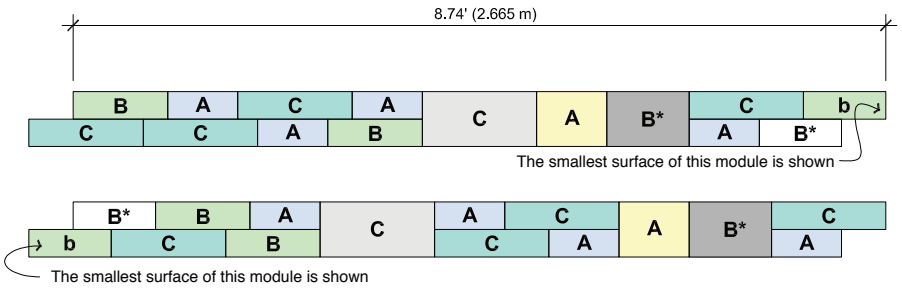
The single row model shows two examples of combinations without the B* module of the Baltimore 180 mm and two examples of combinations without the B module of the Baltimore 180 mm. Each combination is 180 mm long (7 1/16") high. **This model can be used for installing the last row of modules or where other models cannot be used.**

COMBINATIONS WITHOUT THE B * MODULE OF THE BALTIMORE 180 mm:



NUMBER OF BLOCKS REQUIRED	MODULE			
BALTIMORE	**A**	**B**	**B***	**C**
67% of the surface - Baltimore 90 mm	4	3	1	4
33% of the surface - Baltimore 180 mm	1	1	0	1

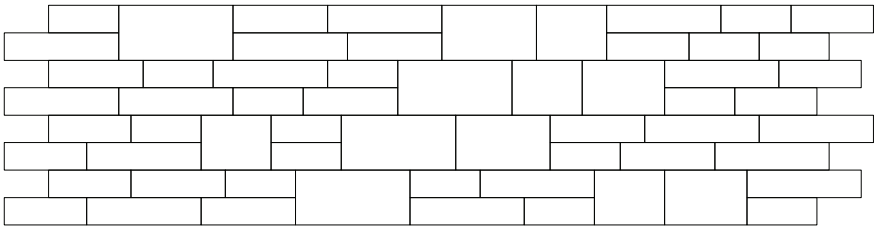
COMBINATIONS WITHOUT THE B MODULE OF THE BALTIMORE 180 mm:



Installation guide

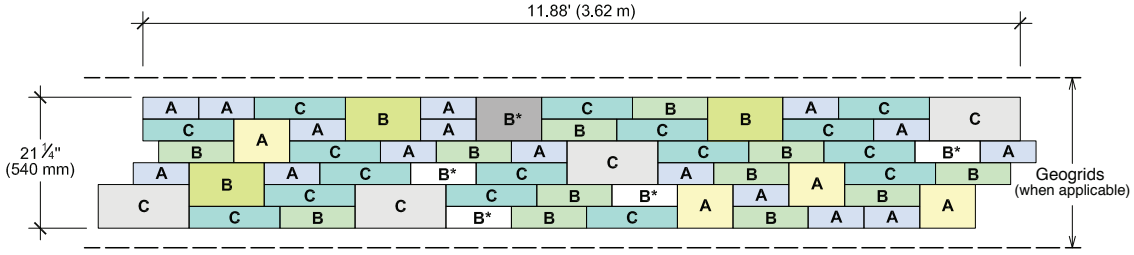
RETAINING WALLS - BALTIMORE 90 mm & 180 mm

NUMBER OF BLOCKS REQUIRED		MODULE		
BALTIMORE	**A**	**B**	**B***	**C**
67% of the surface - Baltimore 90 mm	4	3	1	4
33% of the surface - Baltimore 180 mm	1	0	1	1

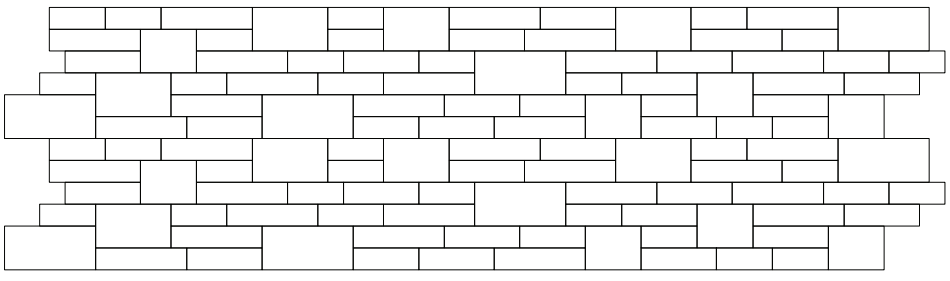


3-row pattern | Laying patterns

The 3-row model is 3.62 m (11.88') long and 540 mm (21 ¼") high. This model allows for a graded area at every 540 mm (21 ¼"), which corresponds to the recommended spacing between the layers of geogrid in a Baltimore wall. **This model is recommended when using the geogrid.**



NUMBER OF BLOCKS REQUIRED		MODULE		
BALTIMORE	**A**	**B**	**B***	**C**
67% of the surface - Baltimore 90 mm	16	12	4	16
33% of the surface - Baltimore 180 mm	4	3	1	4

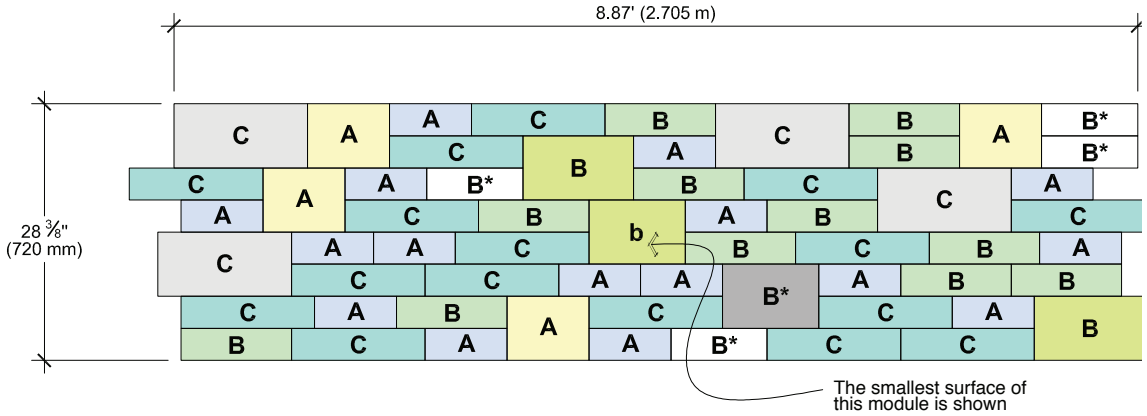


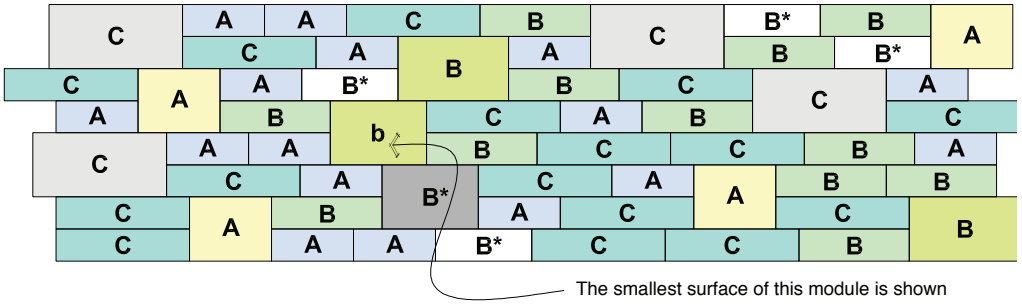
Installation guide

RETAINING WALLS - BALTIMORE 90 mm & 180 mm

4-row pattern | Laying patterns

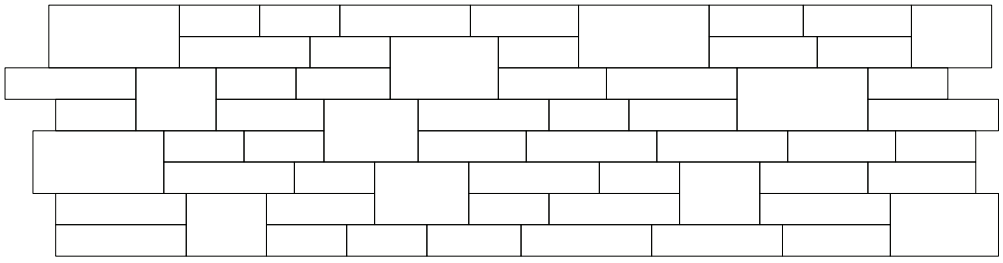
The 4-row model shows two examples of combination. This combination is 2.705 m (8,87') long and 720 mm (28 3/8") high. **This model should be used only where the geogrid is not required.**





NUMBER OF BLOCKS REQUIRED — MODULE

BALTIMORE	A	B	B*	C
67% of the surface - Baltimore 90 mm	16	12	4	16
33% of the surface - Baltimore 180 mm	4	3	1	4

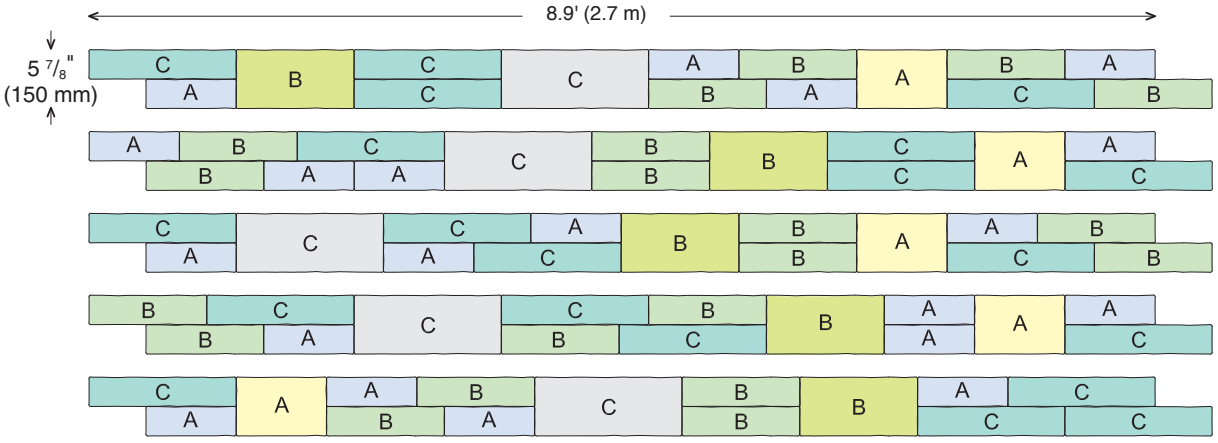


Installation guide

RETAINING WALLS - MINI-CRETA 3" AND 6"

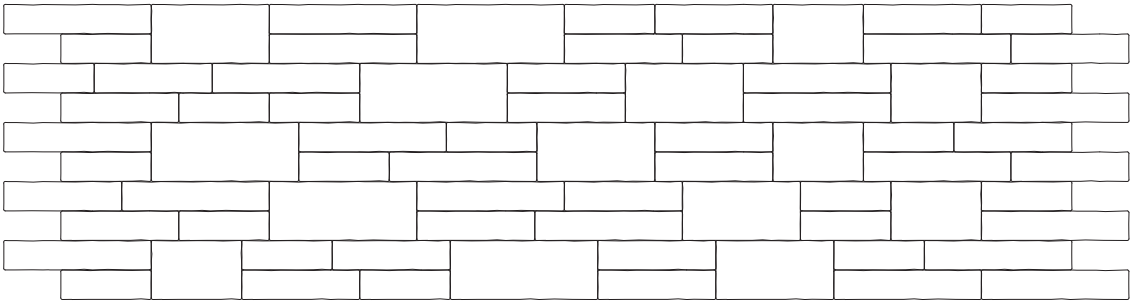
1-row pattern | Laying patterns

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 — MODULE

MINI-CRETA	A	B OR B*	C OR D
67% of the surface - Mini-Creta 3"	4	4	4
33% of the surface - Mini-Creta 6"	1	1	1

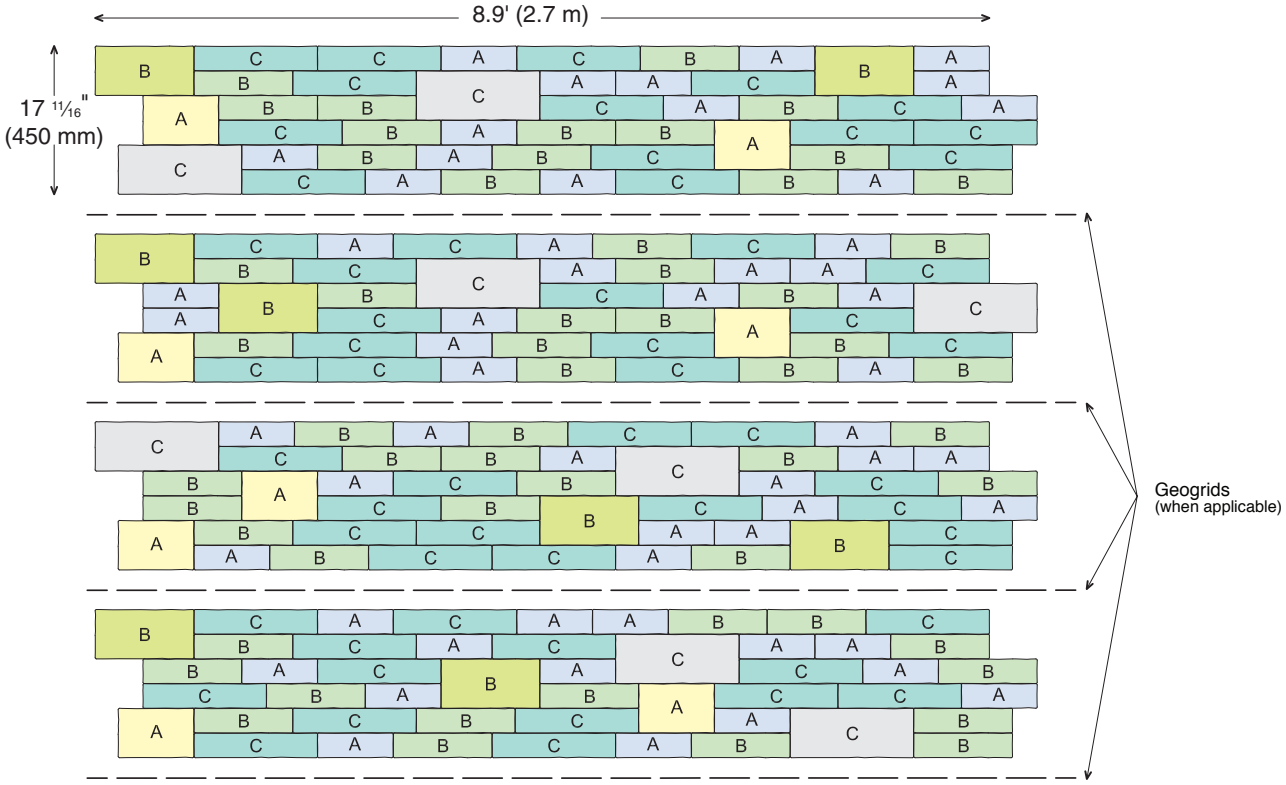


Installation guide

RETAINING WALLS - MINI-CRETA 3" AND 6"

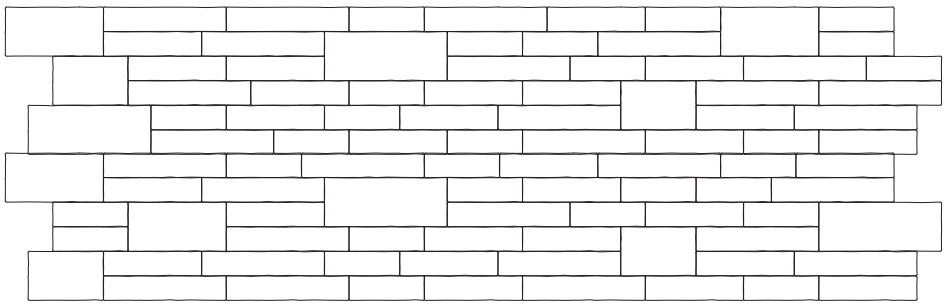
3-row pattern | Laying patterns

The 3-row pattern provides four different combinations. Each combination is 8.9' (2.7 m) long and 17 11/16" (450 mm) high. This pattern gives a leveled surface every 17 11/16" (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 — MODULE

MINI-CRETA	A	B OR B*	C OR D
78% of the surface - Mini-Creta 3"	14	14	14
22% of the surface - Mini-Creta 6"	2	2	2

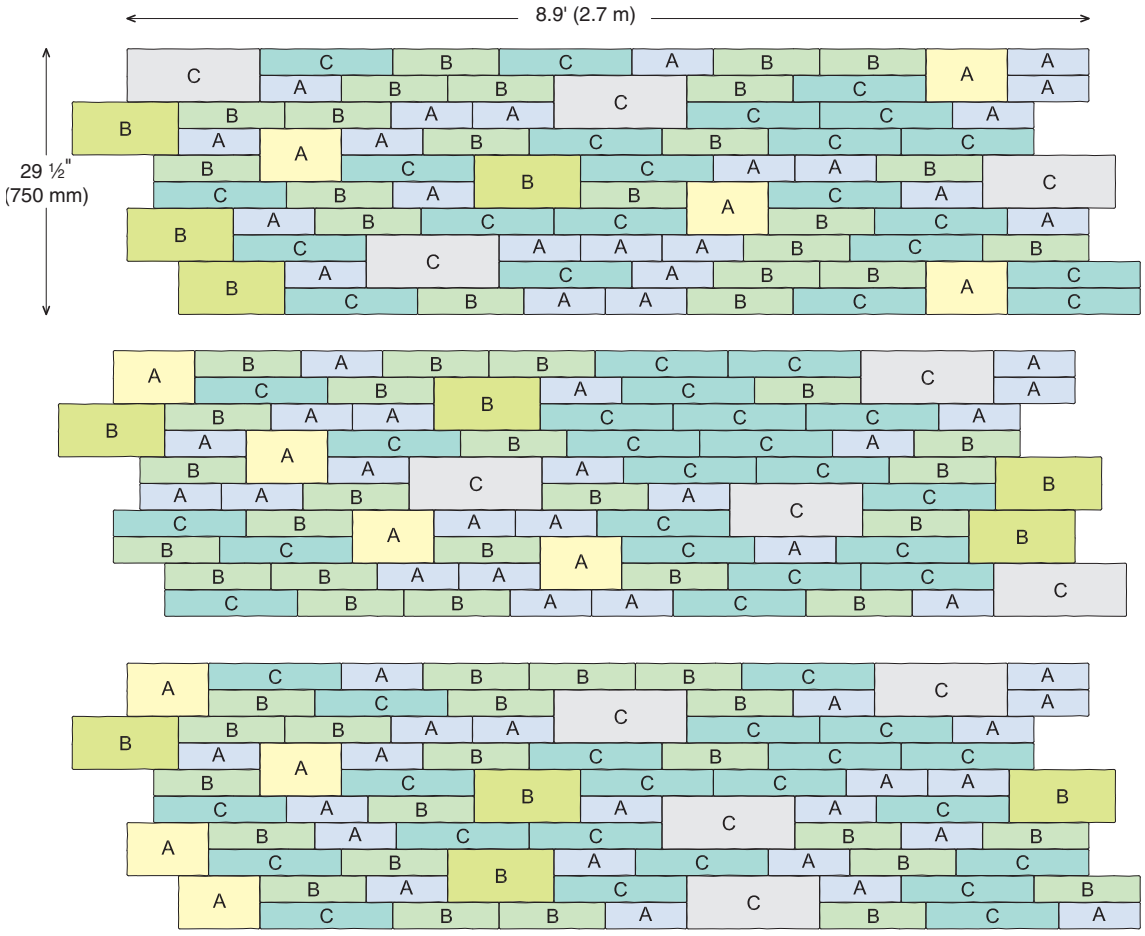


Installation guide

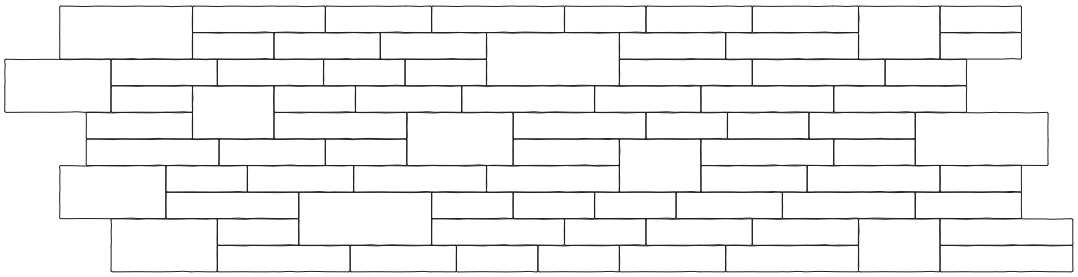
RETAINING WALLS - MINI-CRETA 3" AND 6"

5-row pattern | Laying patterns

The 5-row pattern provides three different combinations. Each combination is 8.9' (2.7 m) long and 29 ½" (750 mm) high. **This pattern should only be used when geogrid is not required.**



NUMBER OF BLOCKS REQUIRED		MODULE	
MINI-CRETA	**A**	**B OR B***	**C OR D**
73% of the surface - Mini-Creta 3"	22	22	22
27% of the surface - Mini-Creta 6"	4	4	4

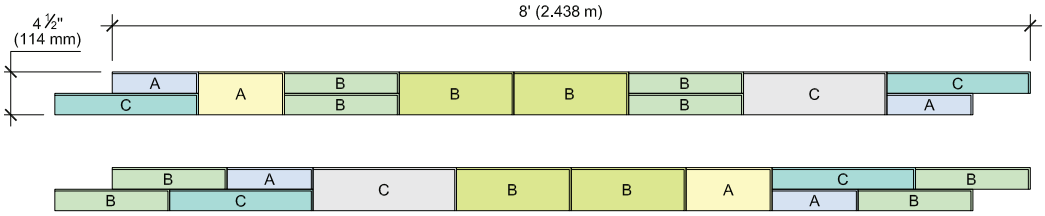


Installation guide

RETAINING WALLS - PRESCOTT 2.25" & 4.5"

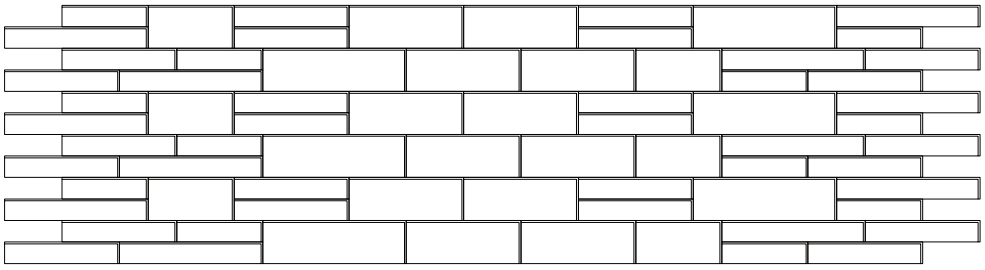
1-row pattern | Laying patterns

The single row model shows two examples of combination. Each combination is 2.438 m (8") long and 114 mm (4 ½") high. **This model can be used for installing the last row of modules or where other models cannot be used.**



NUMBER OF BLOCKS REQUIRED — MODULE

PRESCOTT	A	B	C
50% of the surface - Prescott 2.25"	2	4	2
50% of the surface - Prescott 4.5"	1	2	1

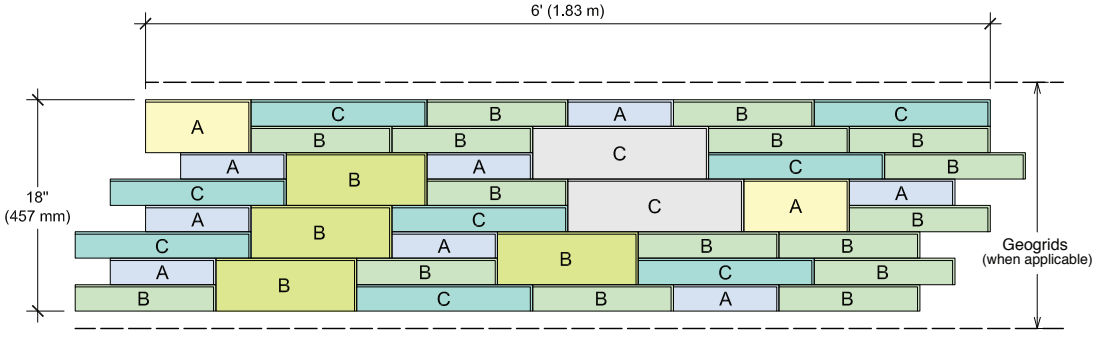


Installation guide

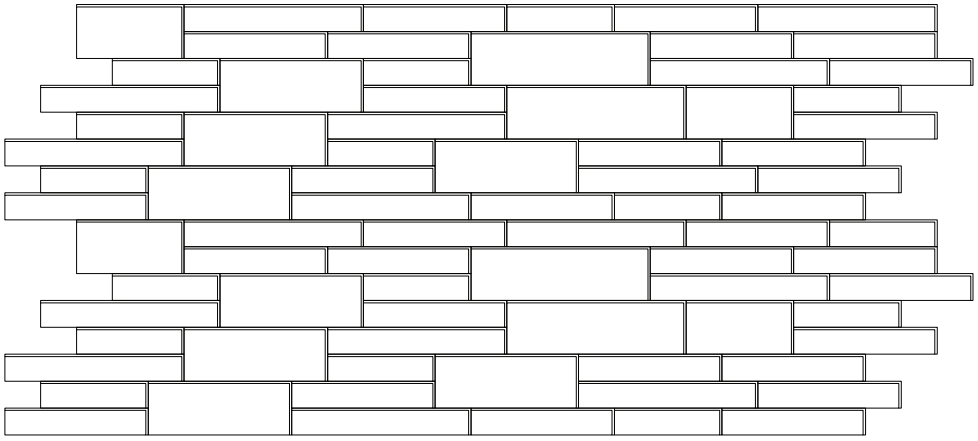
RETAINING WALLS - PRESCOTT 2.25" & 4.5"

4-row pattern | Laying patterns

The 4-row model is 1,83 m (6') long and 457 mm (18") high. This model allows for a graded area at every 457 mm (18"), which corresponds to the recommended spacing between the layers of geogrid in a Prescott wall. **This model is recommended when using the geogrid.**



NUMBER OF BLOCKS REQUIRED		MODULE	
PRESCOTT	**A**	**B**	**C**
67% of the surface - Prescott 2.25"	8	16	8
33% of the surface - Prescott 4.5"	2	4	2

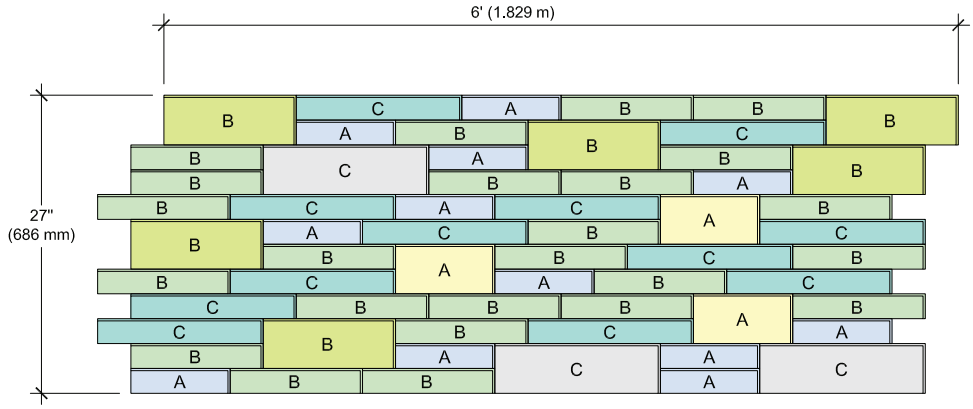


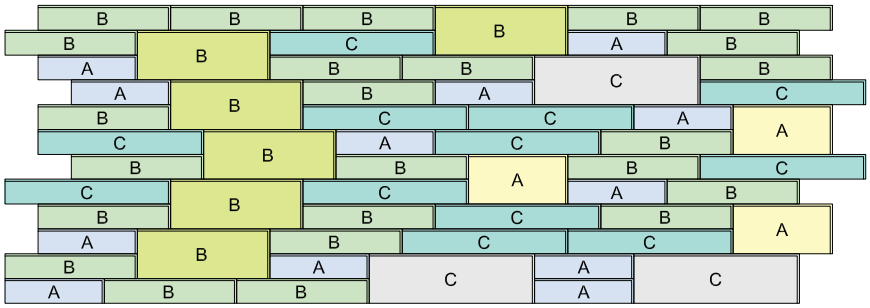
Installation guide

RETAINING WALLS - PRESCOTT 2.25" & 4.5"

6-row pattern | Laying patterns

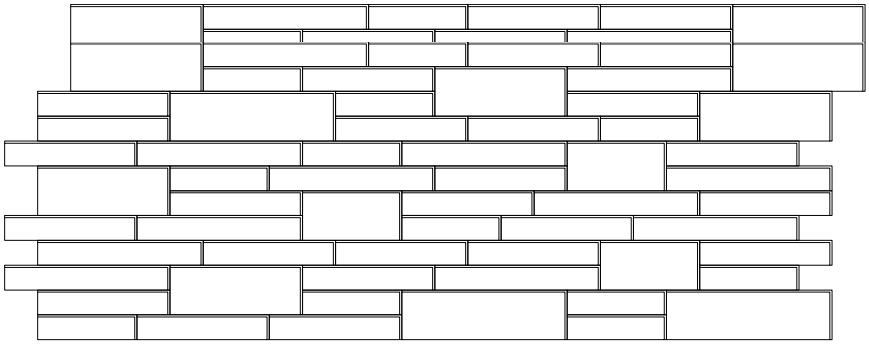
The 6-row model shows two examples of combination. This combination is 1.829 m (6') long and 686 mm (27") high. **This model should be used only where the geogrid is not required.**





NUMBER OF BLOCKS REQUIRED — MODULE

PRESCOTT	A	B	C
67% of the surface - Prescott 2.25"	12	24	12
33% of the surface - Prescott 4.5"	3	6	3

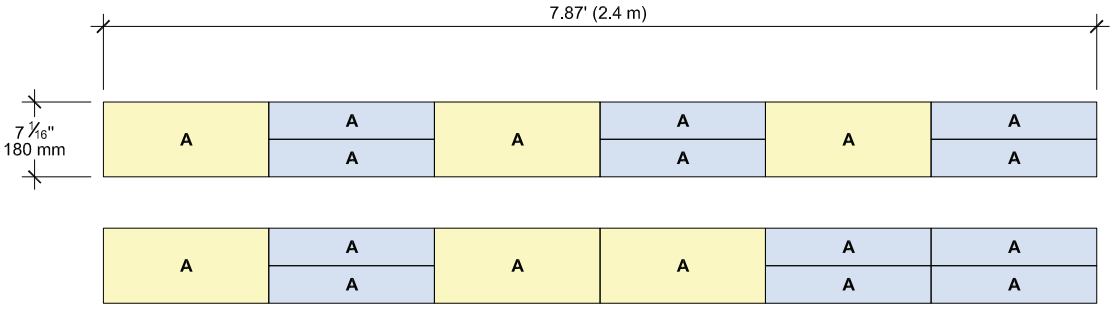


Installation guide

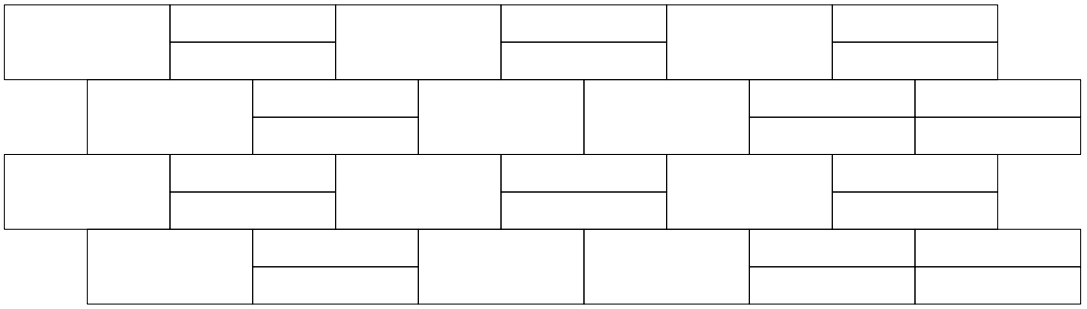
RETAINING WALLS - RAFFINATO 90 mm & 180 mm

1-row pattern | Laying patterns

The single row model shows two examples of combination. Each combination is 2.4 m (7.87") long and 180 mm (7 1/16") high. **This model can be used for installing the last row of modules or where other models cannot be used.**



NUMBER OF BLOCKS REQUIRED	MODULE
RAFFINATO	**A**
50 % of the surface - Raffinato 90 mm	6
50 % of the surface - Raffinato 180 mm	3

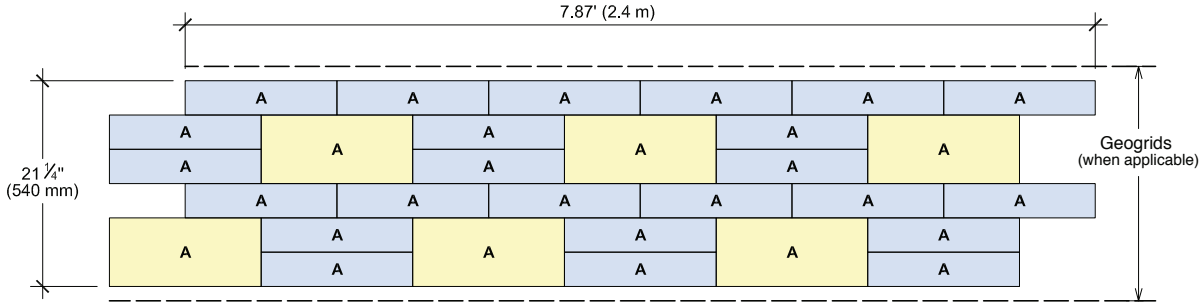


Installation guide

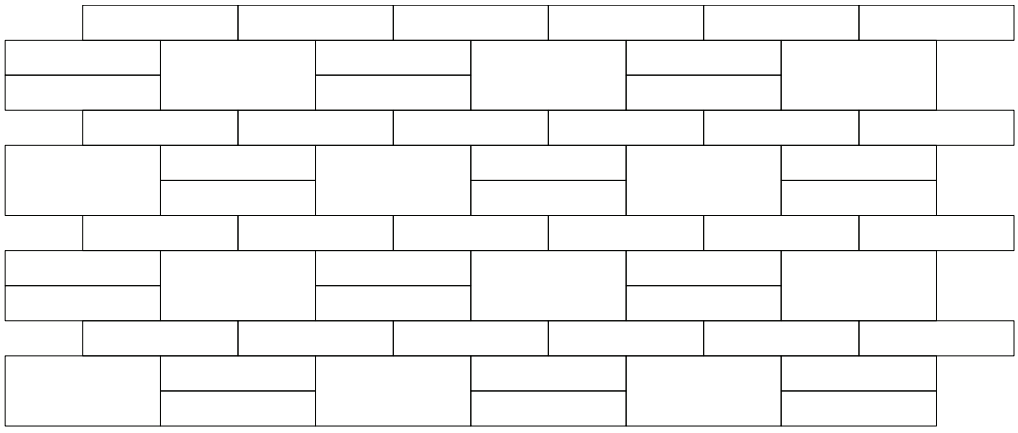
RETAINING WALLS - RAFFINATO 90 mm & 180 mm

3-row pattern | Laying patterns

The 3-row model is 2.4 m (7.87') long and 540 mm (21 ¼") high. This model allows for a graded area at every 540 mm (21 ¼"), which corresponds to the recommended spacing between the layers of geogrid in a Raffinato wall. **This model is recommended when using the geogrid.**



NUMBER OF BLOCKS REQUIRED	MODULE
RAFFINATO	**A**
67 % of the surface - Raffinato 90 mm	24
33 % of the surface - Raffinato 180 mm	6

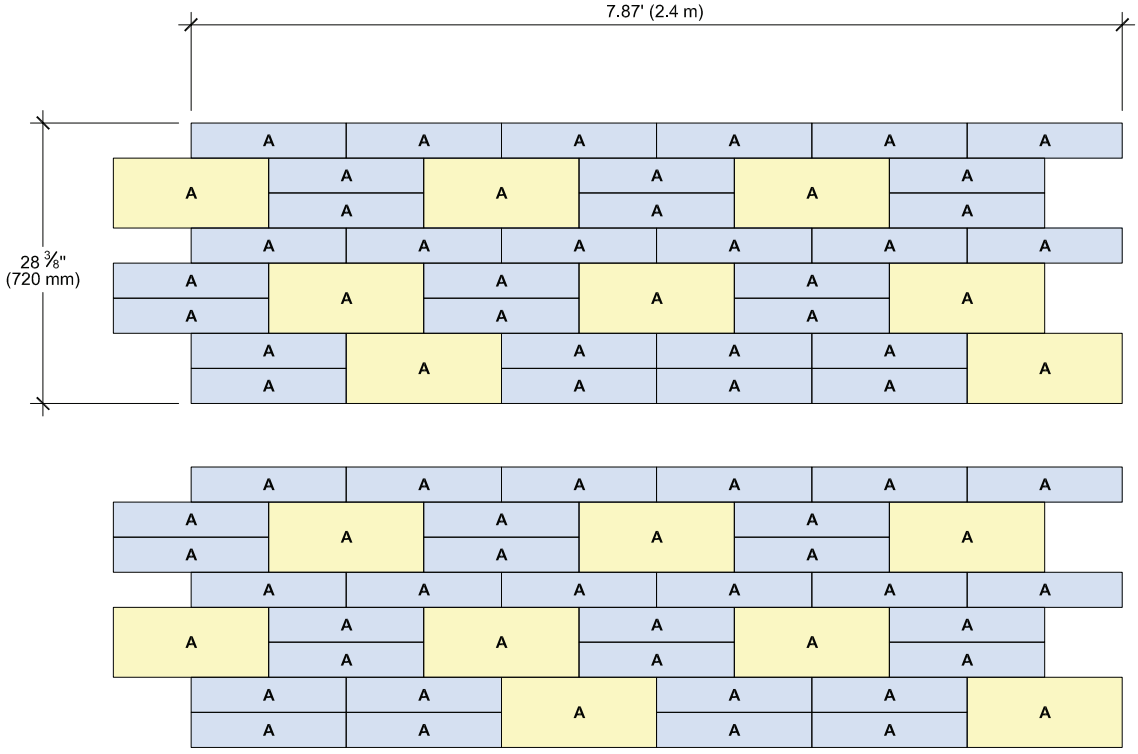


Installation guide

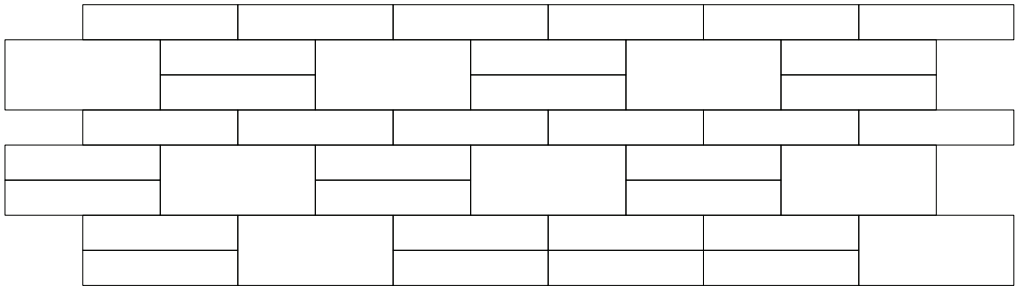
RETAINING WALLS - RAFFINATO 90 mm & 180 mm

4-row pattern | Laying patterns

The 4-row model shows two examples of combination. This combination is 2.4 m (7,87') long and 720 mm (28 3/8") high. **This pattern should only be used when geogrid is not required.**

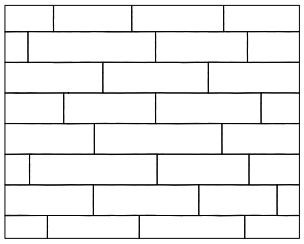


NUMBER OF BLOCKS REQUIRED	MODULE
RAFFINATO	**A**
67 % of the surface - Raffinato 90 mm	32
33 % of the surface - Raffinato 180 mm	8

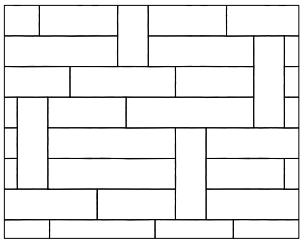


Installation guide
RETAINING WALLS

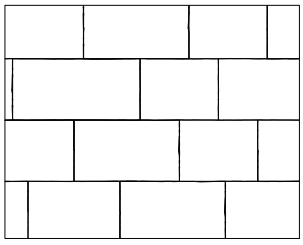
Additional wall patterns



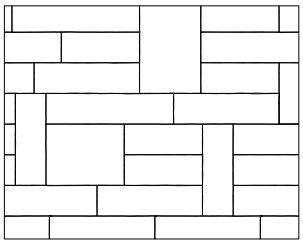
BALTIMORE 90 mm
– Linear pattern



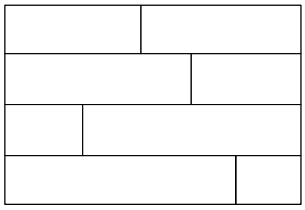
BALTIMORE 90 mm
– with vertical units



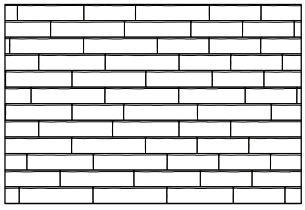
BALTIMORE 180 mm
– Linear pattern



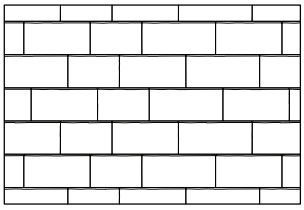
BALTIMORE 90 mm & 180 mm
– with vertical units



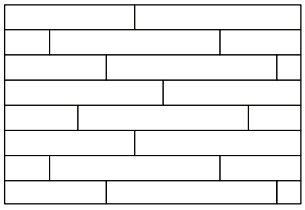
BOREALIS
– Linear pattern



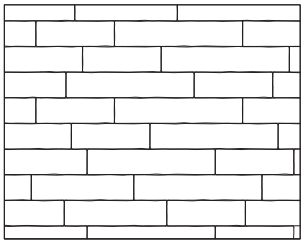
BRANDON 90 mm
– Linear pattern



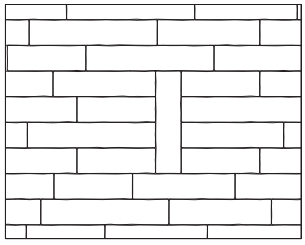
BRANDON 180 mm
– Linear pattern



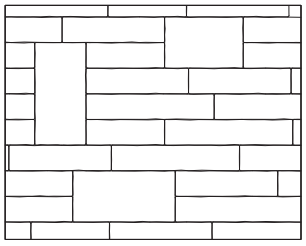
GRAPHIX
– Linear pattern



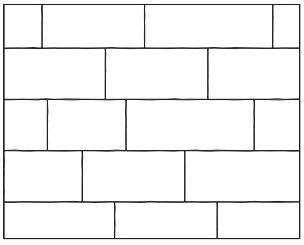
MINI-CRETA 3"
– Linear pattern



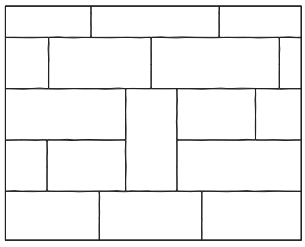
MINI-CRETA 3"
– with vertical units



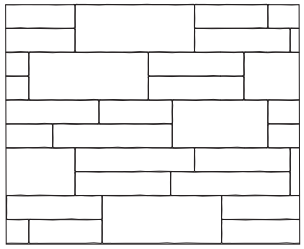
MINI-CRETA 3" & 6"
- with vertical units



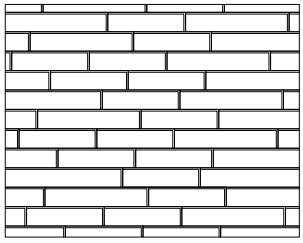
MINI-CRETA 6"
– Linear pattern



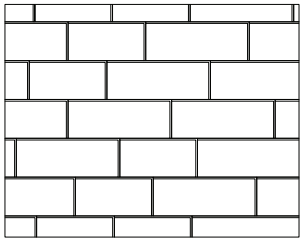
MINI-CRETA 6"
– with vertical units



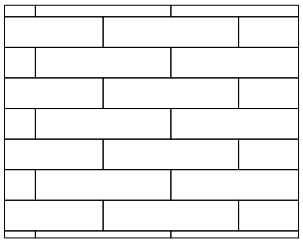
MINI-CRETA 3" & 6"
– Linear pattern



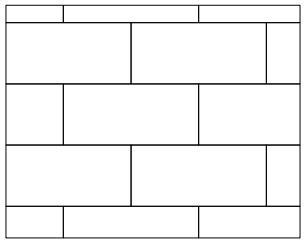
PRESCOTT 2.25"
– Linear pattern



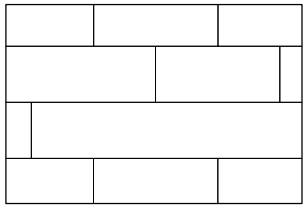
PRESCOTT 4.5"
– Linear pattern



RAFFINATO 90 mm
– Linear pattern



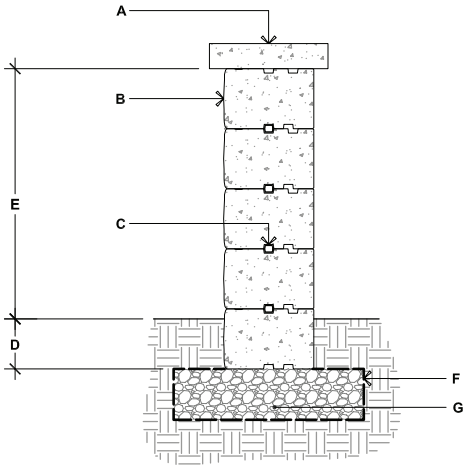
RAFFINATO 180 mm
– Linear pattern



RÖCKA
– Linear pattern

Installation guide

FREESTANDING WALLS



A. TECHO-BLOC CAP UNIT, SECURED TO UNIT BELOW WITH CONCRETE ADHESIVE

B. BALTIMORE 90 mm AND 180 mm DOUBLE-SIDED WALL UNITS SECURE EACH ROW WITH CONCRETE ADHESIVE

C. CONNECTOR

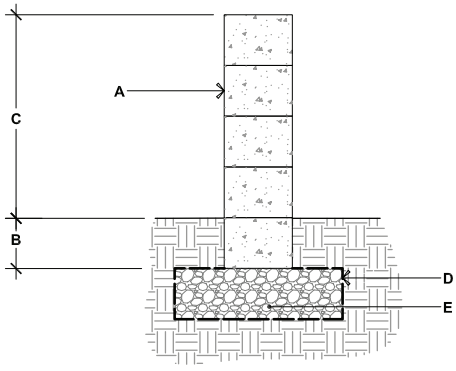
D. EMBEDMENT DEPTH, 6" (150 mm) MIN.

E. 750 mm (29 7/16") MAX.

F. GEOTEXTILE

G. COMPACTED GRANULAR BASE 0-20 mm (0-3/4"), 300 mm (12") THICK MIN.

BALTIMORE 90 mm & 180 mm



A. BOREALIS DOUBLE-SIDED WALL UNITS SECURE EACH ROW WITH CONCRETE ADHESIVE

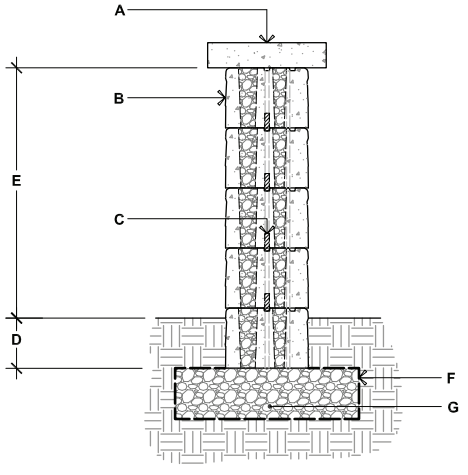
B. EMBEDMENT DEPTH, 150 mm (6") MIN.

C. 612 mm (24") MAX.

D. GEOTEXTILE

E. COMPACTED GRANULAR BASE 0-20mm (0-3/4"), 300mm (12") THICK MIN.

BOREALIS



A. TECHO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH CONCRETE ADHESIVE

B. BRANDON 90 mm AND 180 mm DOUBLE-SIDED WALL UNITS SECURE EACH ROW WITH CONCRETE ADHESIVE

C. CONNECTOR

D. EMBEDMENT DEPTH, 150 mm (6") MIN.

E. 750 mm (29 7/16") MAX.

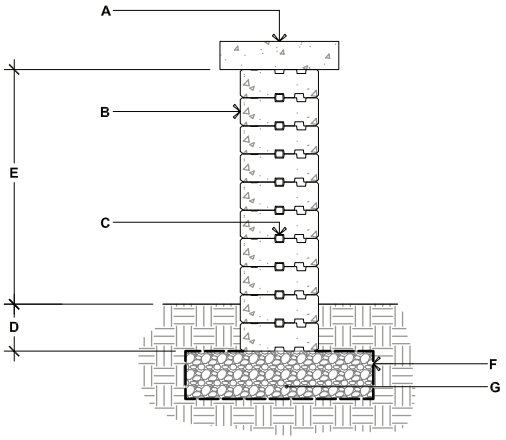
F. GEOTEXTILE

G. COMPACTED GRANULAR BASE 0-20 mm (0-3/4"), 300 mm (12") THICK MIN.

BRANDON 90 mm & 180 mm

Installation guide

FREESTANDING WALLS



A. TECHO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH CONCRETE ADHESIVE

B. ESCALA 3.5" DOUBLE-SIDED WALL UNIT
SECURE EACH ROW WITH CONCRETE ADHESIVE

C. CONNECTOR

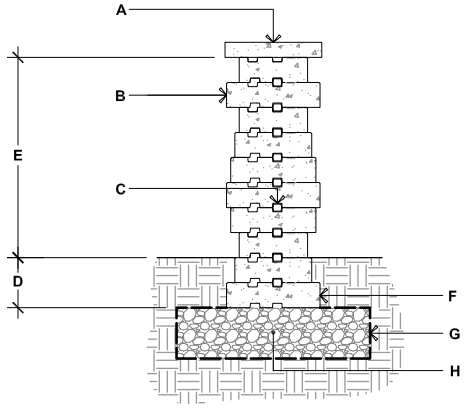
D. EMBEDMENT DEPTH, 6" (150 mm) MIN.

E. 750 mm (29 7/16") MAX.

F. GEOTEXTILE

G. COMPACTED GRANULAR BASE 0-20 mm (0-3/4"), 300 mm (12") THICK MIN.

ESCALA 3.5"



A. TECHO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH CONCRETE ADHESIVE

B. GRAPHIX DOUBLE-SIDED WALL UNITS
SECURE EACH ROW WITH CONCRETE ADHESIVE

C. CONNECTOR

D. EMBEDMENT DEPTH, 150 mm (6") MIN.

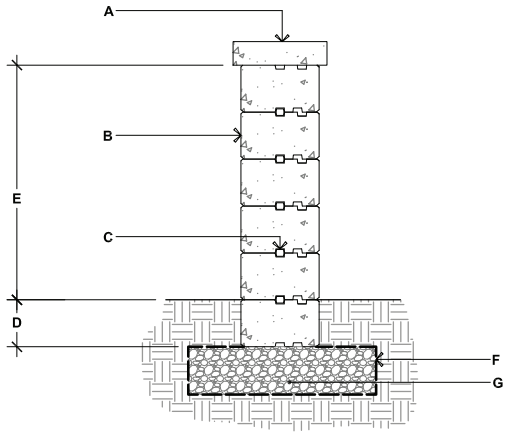
E. 600 mm (23 1/2") MAX.

F. FOR THE FIRST ROW, ALWAYS USE THE DEEPER GRAPHIX BLOCK

G. GEOTEXTILE

H. COMPACTED GRANULAR BASE 0-20 mm (0-3/4"), 300mm (12") THICK MIN.

GRAPHIX



A. TECHO-BLOC CAP UNIT SECURED TO UNIT BELOWWITH CONCRETE ADHESIVE

B. MINI-CRETA 3" AND 6" DOUBLE-SIDED WALL UNITS
SECURE EACH ROW WITH CONCRETE ADHESIVE

C. CONNECTOR

D. EMBEDMENT DEPTH, 150 mm (6") MIN.

E. 750 mm (29 7/16") MAX.

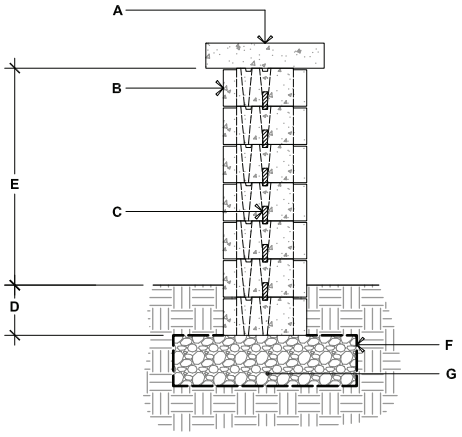
F. GEOTEXTILE

G. COMPACTED GRANULAR BASE 0-20 mm (0-3/4"), 300 mm (12") THICK MIN.

MINI-CRETA 3" & 6"

Installation guide

FREESTANDING WALLS



A. TECHO-BLOC CAP UNIT, SECURED TO UNIT BELOW WITH CONCRETE ADHESIVE

B. PRESCOTT 2.25" AND 4.5" DOUBLE-SIDED WALL UNITS
SECURE EACH ROW WITH CONCRETE ADHESIVE

C. CONNECTOR

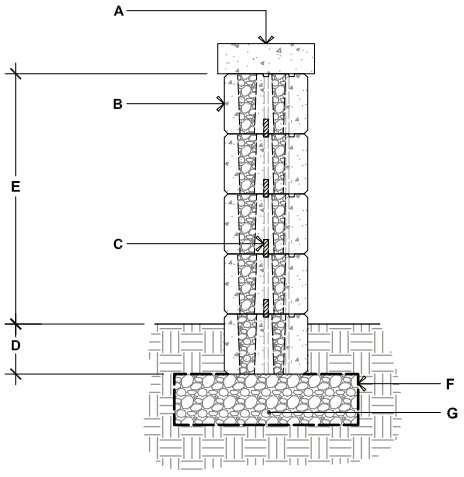
D. EMBEDMENT DEPTH, 6" (150 mm) MIN.

E. 650 mm (25 1/2") MAX.

F. GEOTEXTILE

G. COMPACTED GRANULAR BASE 0-20 mm (0-3/4"), 300 mm (12") THICK MIN.

PRESCOTT 2.25" & 4.5"



A. TECHO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH CONCRETE ADHESIVE

B. RAFFINATO 90 mm AND 180 mm DOUBLE-SIDED WALL UNITS
SECURE EACH ROW WITH CONCRETE ADHESIVE

C. CONNECTOR

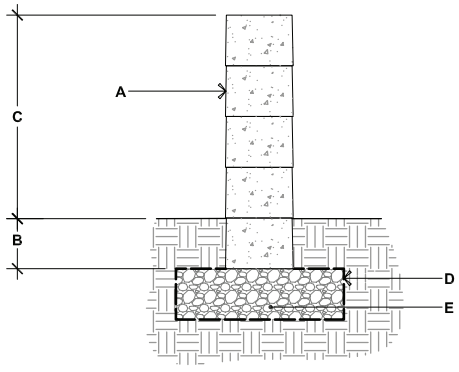
D. EMBEDMENT DEPTH, 150 mm (6") MIN.

E. 750 mm (29 7/16") MAX.

F. GEOTEXTILE

G. COMPACTED GRANULAR BASE 0-20 mm (0-3/4"), 300 mm (12") THICK MIN.

RAFFINATO 90 mm & 180 mm



A. RÖCKA DOUBLE-SIDED WALL UNITS
SECURE EACH ROW WITH CONCRETE ADHESIVE

B. EMBEDMENT DEPTH, 150 mm (6") MIN.

C. 612 mm (24") MAX.

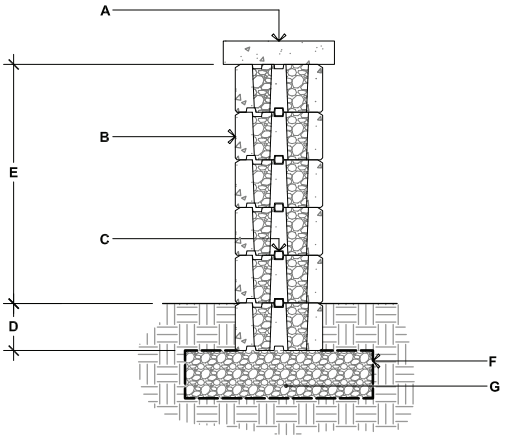
D. GEOTEXTILE

E. COMPACTED GRANULAR BASE 0-20 mm (0-3/4"), 300mm (12") THICK MIN.

RÖCKA

Installation guide

FREESTANDING WALLS



A. TECHO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH CONCRETE ADHESIVE

B. SEMMA DOUBLE-SIDED WALL UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE

C. CONNECTOR

D. EMBEDMENT DEPTH, 150 mm (6") MIN.

E. 750 mm (29 7/16") MAX.

F. GEOTEXTILE

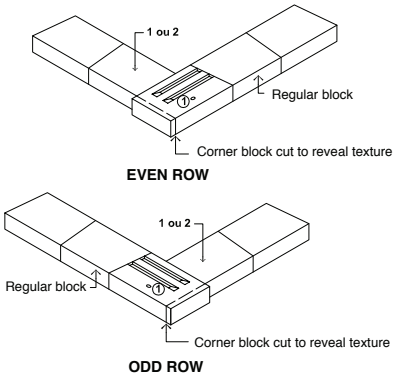
G. COMPACTED GRANULAR BASE 0-20 mm (0-3/4"), 300 mm (12") THICK MIN.

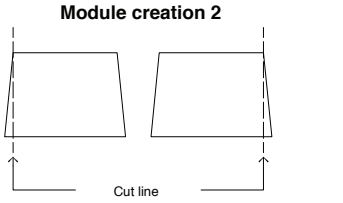
SEMMA

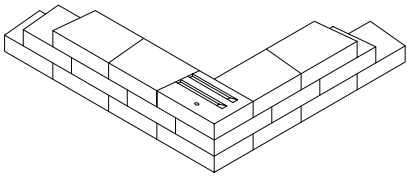
Installation guide

90° CORNER OF A DOUBLE-SIDED WALL

BALTIMORE, ESCALA 3,5" & MINI-CRETA



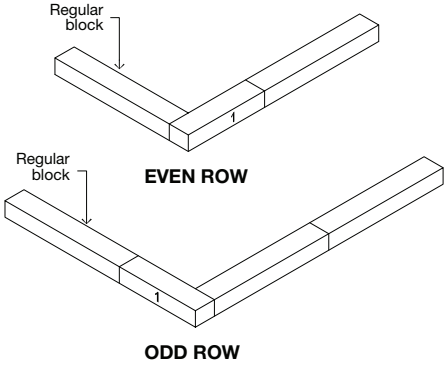


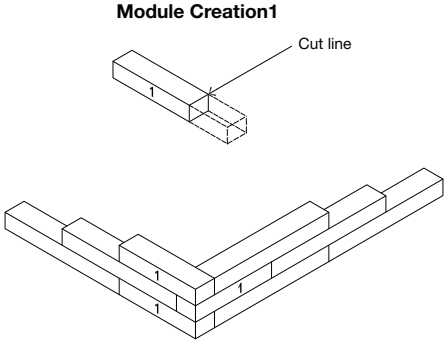


The corner block must be cut to reveal the texture

1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with a concrete adhesive.
4. Cavities, grooves and connectors are not illustrated to avoid overloading the image.
5. It is possible to alternate the blocks (A, B or C) in the same row to create different patterns. However, a corner block must always be present at the end of a row and must be alternated for each subsequent row.

BOREALIS



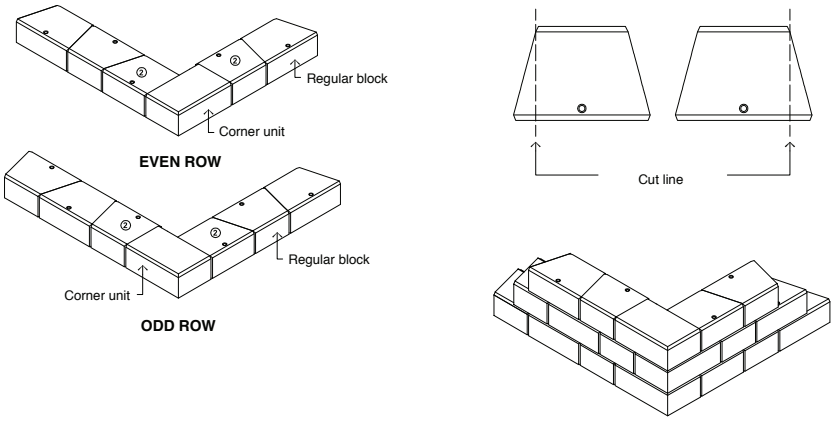


1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with a concrete adhesive.

Installation guide

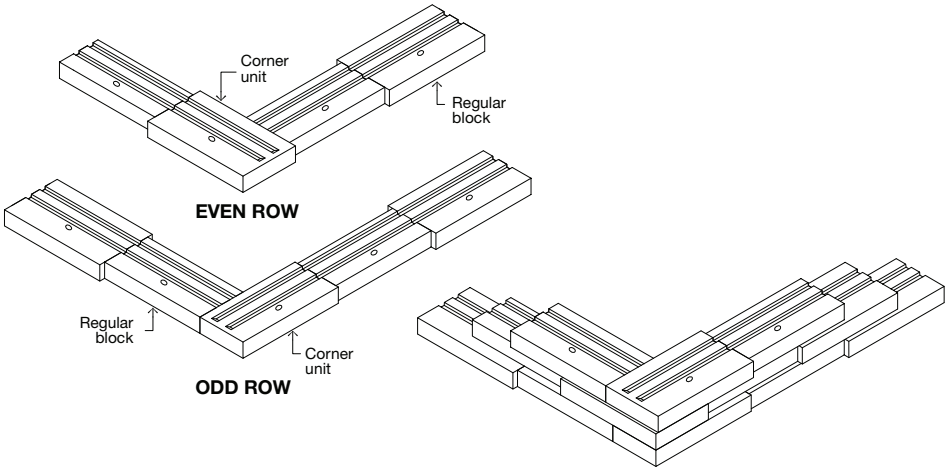
90° CORNER OF A DOUBLE-SIDED WALL

BRANDON, PRESCOTT, RAFFINATO & SEMMA



1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with a concrete adhesive.
4. Cavities, grooves and connectors are not illustrated to avoid overloading the image.

GRAPHIX

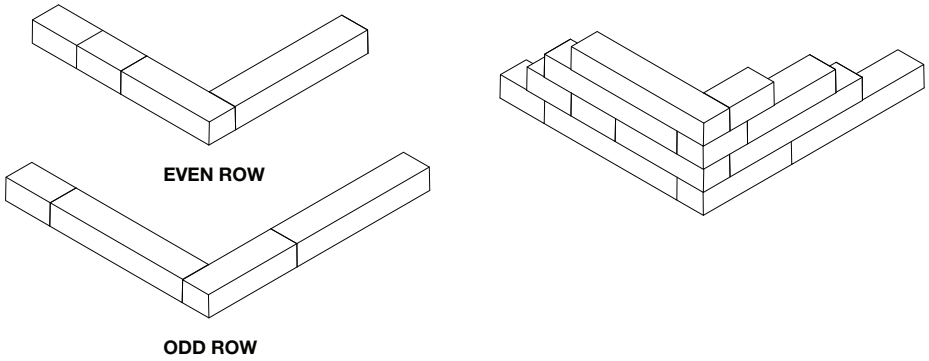


1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with a concrete adhesive.
4. Connectors are not illustrated to avoid overloading the image.
5. It is possible to alternate the blocks (1, 2, 3 or 4) in the same row to create different patterns. However, a corner block (1A, 2A, 3A or 4A) must always be present at the end of a row and must be alternated for each subsequent row.
6. At the corner, make sure to place the blocks so that the grooves of the block cannot be seen.

Installation guide

90° CORNER OF A DOUBLE-SIDED WALL

RÖCKA

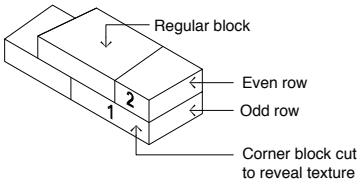


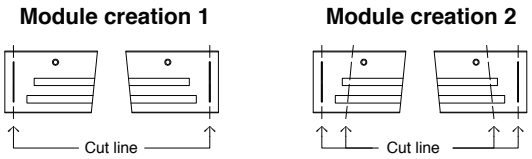
1. Alternate odd and even rows
2. Stagger vertical joints by at least ¼ of the length of the block.
3. Glue all modules at each row with a concrete adhesive.
4. It is possible to alternate the blocks (A, B or C) in the same row to create different patterns.

Installation guide

DOUBLE-SIDED WALL - END OF A STRAIGHT WALL

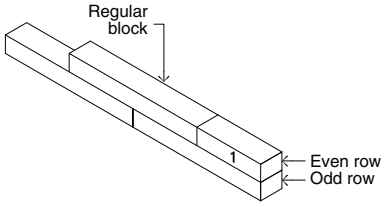
BALTIMORE, ESCALA 3,5" & MINI-CRETA

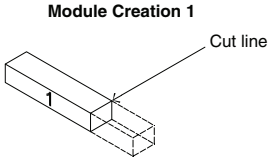




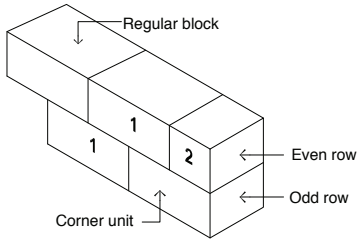
* It is possible to alternate the blocks (A, B or C) in the same row to create different patterns. However, a corner block must always be present at the end of a row and must be alternated for each subsequent row.

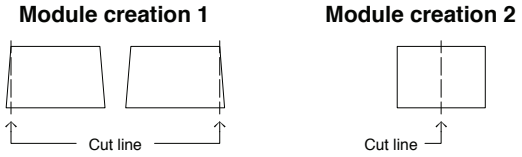
BOREALIS



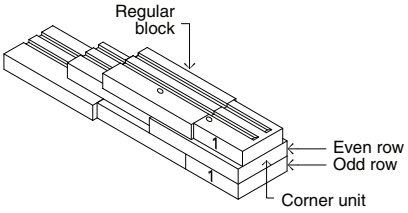


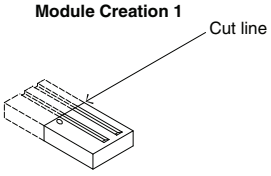
BRANDON, PRESCOTT & RAFFINATO





GRAPHIX





* It is possible to alternate the blocks (1, 2, 3 or 4) in the same row to create different patterns. However, a corner block and a cut corner block (1A, 2A, 3A or 4A) must always be present at the end of a row and must be alternated for each subsequent row.

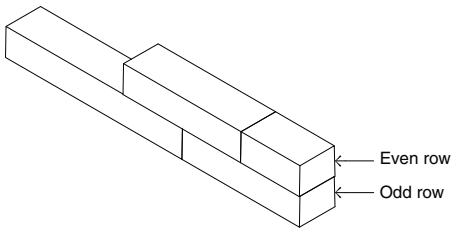
GENERAL NOTES

1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with a concrete adhesive.
4. Cavities, grooves and connectors are not illustrated to avoid overloading the image.

Installation guide

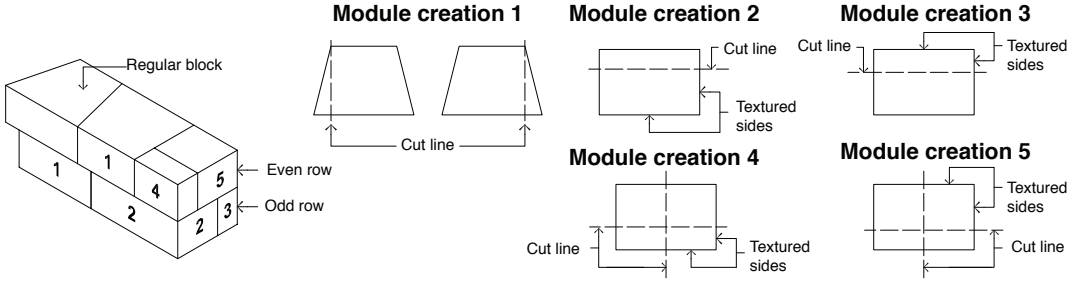
DOUBLE-SIDED WALL - END OF A STRAIGHT WALL

RÖCKA

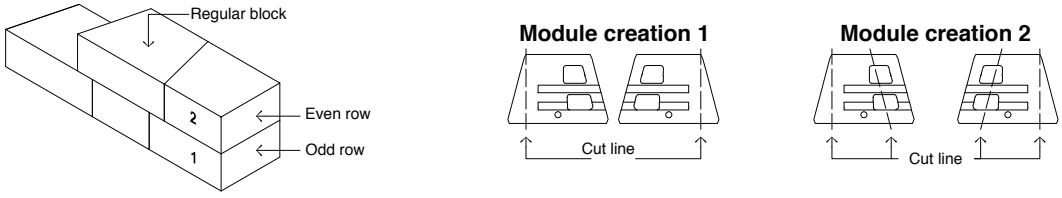


* It is possible to alternate the blocks (A, B or C) in the same row to create different patterns. However, a minimum distance of ¼ the length of the block is required between the vertical joints.

SEMMA (SPLIT FACE AND POLISHED)



SEMMA (SPLIT FACE)



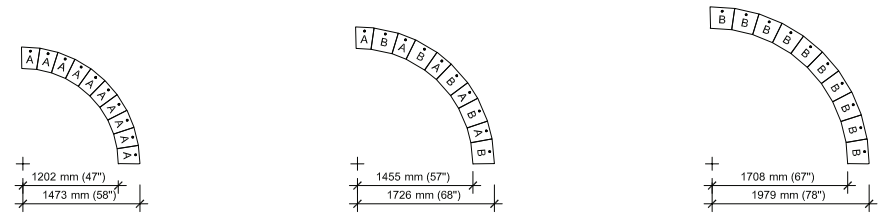
GENERAL NOTES

1. Alternate odd and even rows.
2. Stagger joints from one row to the next.
3. Glue all modules at each row with a concrete adhesive.
4. Cavities, grooves and connectors are not illustrated to avoid overloading the image.

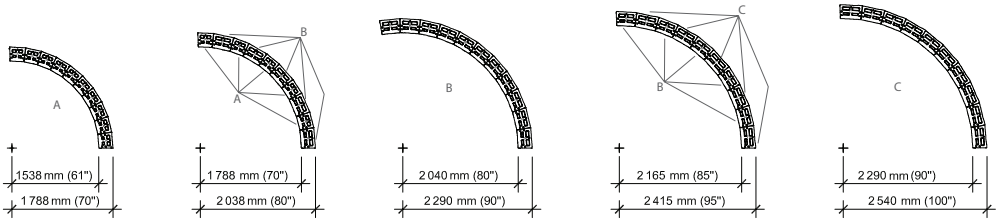
Installation guide

DOUBLE-SIDED WALL RADIUS

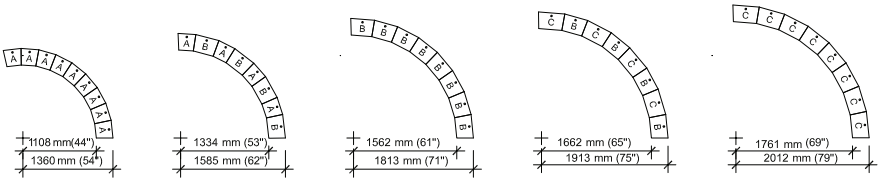
BALTIMORE 90 mm & 180 mm



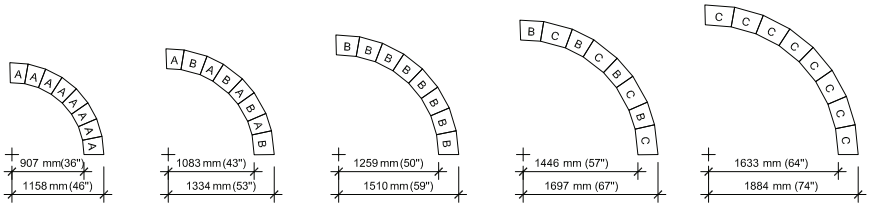
BRANDON 90 mm & 180 mm



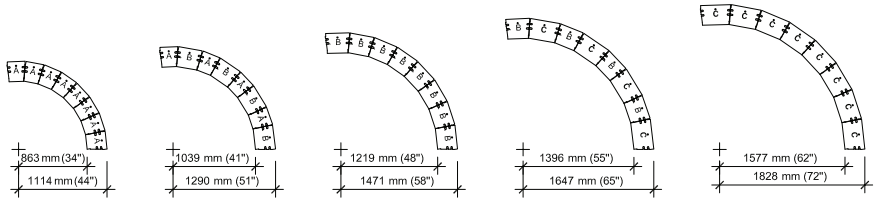
ESCALA 3.5"



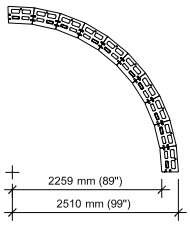
MINI-CRETA 3" & 6"



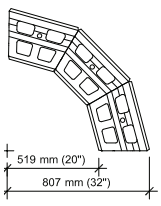
PRESCOTT 2.25" & 4.5"



RAFFINATO



SEMMA



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

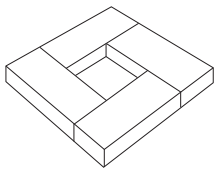
Repeat procedure from steps 1 and 2 until you reach the desired height.

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.

04



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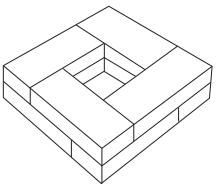

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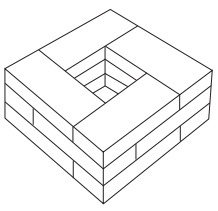
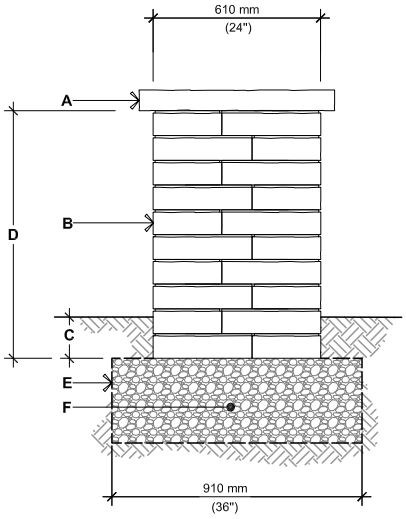


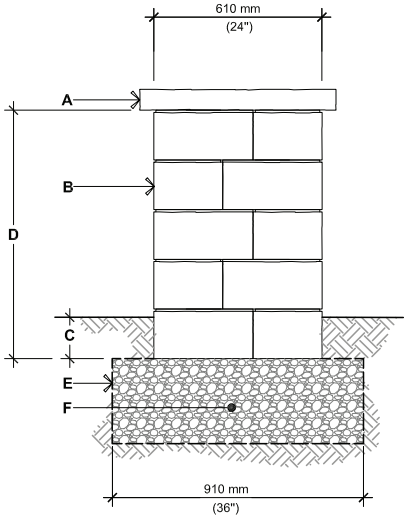
Installation guide

PILLARS



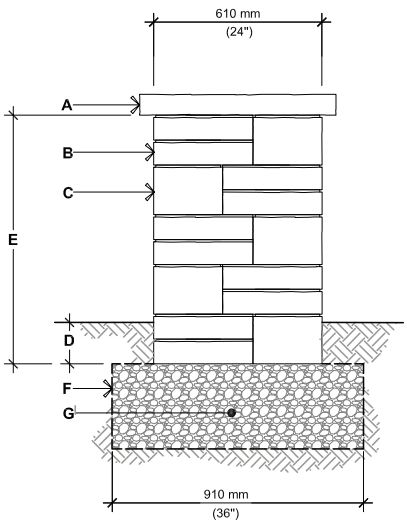
BRANDON 90 mm

- **A.** PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH A CONCRETE ADHESIVE
- **B.** BRANDON 90 mm PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- **C.** EMBEDMENT DEPTH: 150 mm (6") MIN.
- **D.** 900 mm (35 7/16"), HEIGHT PER PALLET 1 080 mm (42 1/2"), MAXIMUM HEIGHT
- **E.** GEOTEXTILE
- **F.** COMPACTED GRANULAR BASE 150 mm (6") THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS



BRANDON 180 mm

- **A.** PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH A CONCRETE ADHESIVE
- **B.** BRANDON 180 mm PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- **C.** EMBEDMENT DEPTH: 150 mm (6") MIN.
- **D.** 900 mm (35 7/16"), HEIGHT PER PALLET 1 080 mm (42 1/2"), MAXIMUM HEIGHT
- **E.** GEOTEXTILE
- **F.** COMPACTED GRANULAR BASE 150 mm (6") THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS



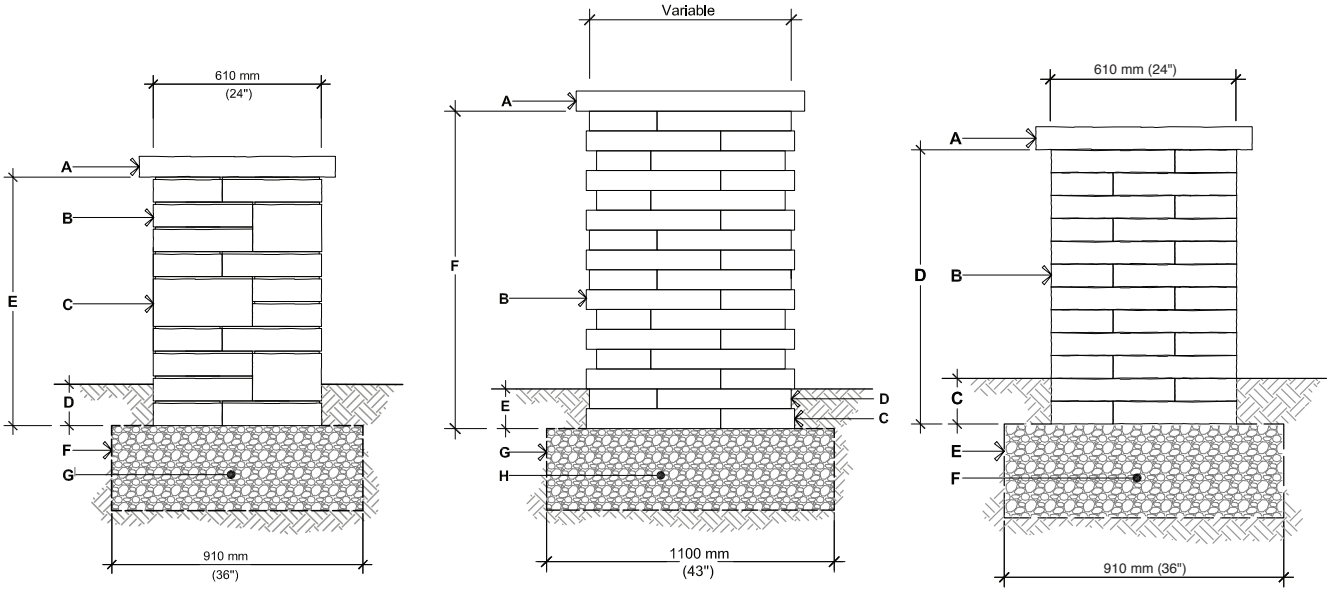
BRANDON 90 mm & 180 mm
OPTION A

- **A.** PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH A CONCRETE ADHESIVE
- **B.** BRANDON 90 mm PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- **C.** BRANDON 180 mm PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- **D.** EMBEDMENT DEPTH: 150 mm (6") MIN.
- **E.** 900 mm (35 7/16"), 1 080 mm (42 1/2"), MAXIMUM HEIGHT
- **F.** GEOTEXTILE
- **G.** COMPACTED GRANULAR BASE 150 mm (6") THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

For all possible combinations of pillars and caps, please refer to the correspondence table on page 144.

Installation guide

PILLARS



BRANDON 90 mm & 180 mm

OPTION B

- **A.** PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH A CONCRETE ADHESIVE
- **B.** BRANDON 90 mm PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- **C.** BRANDON 180 mm PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- **D.** EMBEDMENT DEPTH: 150 mm (6") MIN.
- **E.** 900 mm (35 7/16"), 1 080 mm (42 1/2"), MAXIMUM HEIGHT
- **F.** GEOTEXTILE
- **G.** COMPACTED GRANULAR BASE 150 mm (6") THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

GRAPHIX

- **A.** PILLAR CAP UNIT
- **B.** GRAPHIX CORNER UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE PLACE CONNECTOR IN FRONT GROOVE
- **C.** USE THE BLOCKS 1A-3A FOR THE ODD ROWS
- **D.** USE THE BLOCKS 2A-4A FOR THE EVEN ROWS
- **E.** EMBEDMENT 150 mm DEPTH (6") MIN.
- **F.** 600 mm (23 5/8"), HEIGHT PER PALLET 1200 mm (47 1/4"), MAXIMUM HEIGHT
- **G.** GEOTEXTILE
- **H.** COMPACTED GRANULAR BASE 150 mm (6") THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

PILLAR 24"×3"

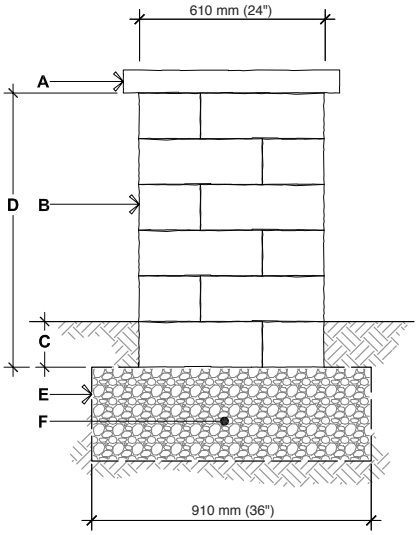
MINI-CRETA

- **A.** PILLAR CAP UNIT (SECURE WITH CONCRETE ADHESIVE)
- **B.** PILLAR 24" × 3" (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 GRANULAR BASE 150 mm (6") THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

For all possible combinations of pillars and caps, please refer to the correspondence table on page 144.

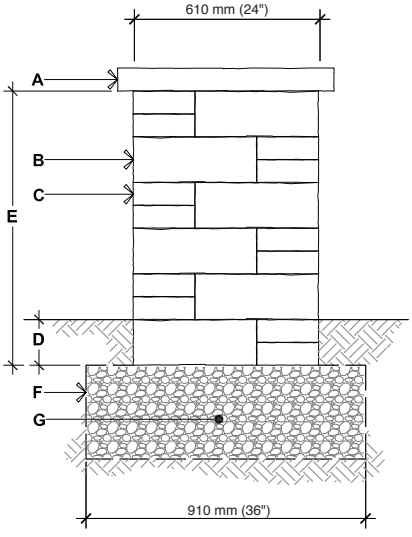
Installation guide

PILLARS



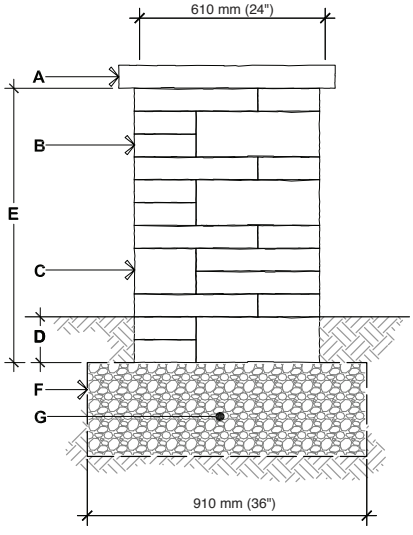
PILLAR 24"×6"
MINI-CRETA

- **A.** PILLAR CAP UNIT (SECURE WITH CONCRETE ADHESIVE)
- **B.** PILLAR 24" × 6" (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 GRANULAR BASE 150 mm (6") THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS



PILLAR 24"×3" & 24"×6"
MINI-CRETA - OPTION A

- **A.** PILLAR CAP UNIT (SECURE WITH CONCRETE ADHESIVE)
- **B.** PILLAR 24" × 6" (MINI-CRETA) UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- **C.** PILLAR 24" × 3" (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 GRANULAR BASE 150 mm (6") THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS



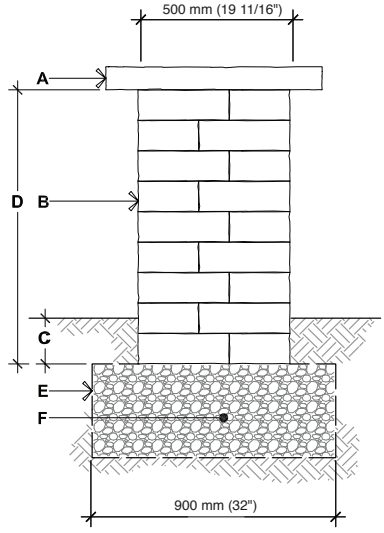
PILLAR 24"×3" & 24"×6"
MINI-CRETA - OPTION B

- **A.** PILLAR CAP UNIT (SECURE WITH CONCRETE ADHESIVE)
- **B.** PILLAR 24" × 3" (MINI-CRETA) UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- **C.** PILLAR 24" × 6" (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 GRANULAR BASE 150 mm (6") THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

For all possible combinations of pillars and caps, please refer to the correspondence table on page 144.

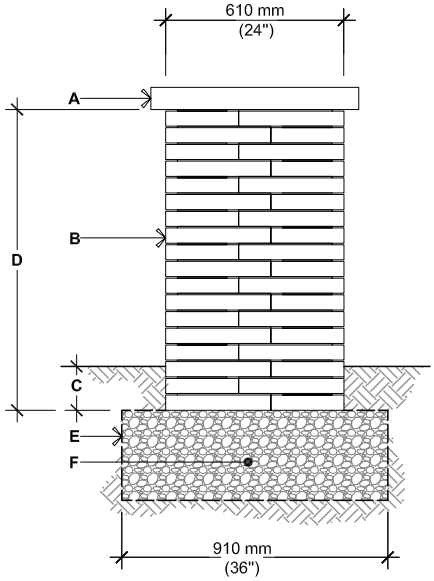
Installation guide

PILLARS



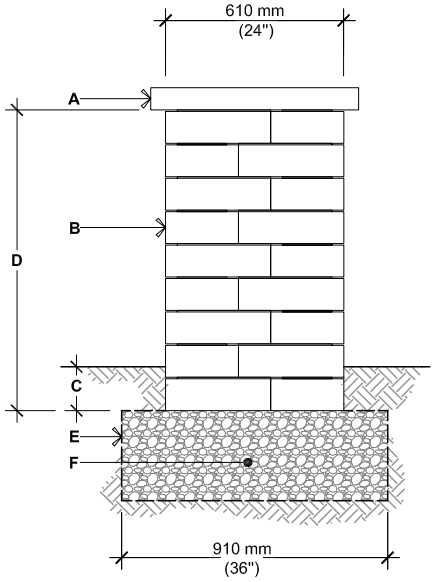
MANCHESTER PILLAR

- **A.** PILLAR CAP UNIT (SECURE WITH CONCRETE ADHESIVE)
- **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 GRANULAR BASE 150 mm (6") THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS



PRESCOTT 2.25"

- **A.** PILLAR CAP UNIT (SECURE WITH CONCRETE ADHESIVE)
- **B.** PRESCOTT 2.25" PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- **C.** EMBEDMENT DEPTH, 6" (150 mm) MIN.
- **D.** 40 1/2" (1 029 mm), HEIGHT PER PALLET 45" (1 143 mm), MAX. HEIGHT
- **E.** GEOTEXTILE
- **F.** COMPACTED GRANULAR BASE 6" (150 mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS



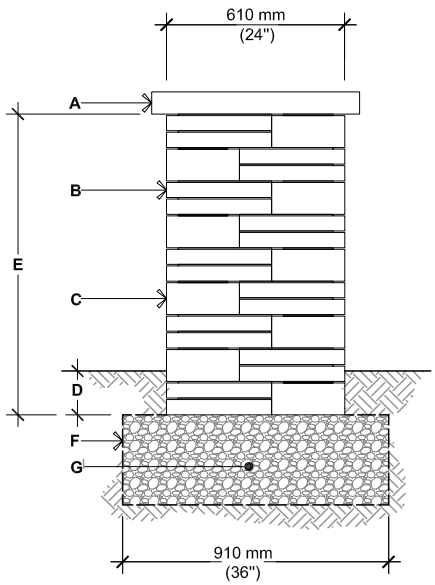
PRESCOTT 4.5"

- **A.** PILLAR CAP UNIT (SECURE WITH CONCRETE ADHESIVE)
- **B.** PRESCOTT 4.5" PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- **C.** EMBEDMENT DEPTH, 6" (150 mm) MIN.
- **D.** 40 1/2" (1 029 mm), HEIGHT PER PALLET 45" (1 143 mm), MAX. HEIGHT
- **E.** GEOTEXTILE
- **F.** COMPACTED GRANULAR BASE 6" (150 mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

For all possible combinations of pillars and caps, please refer to the correspondence table on page 144.

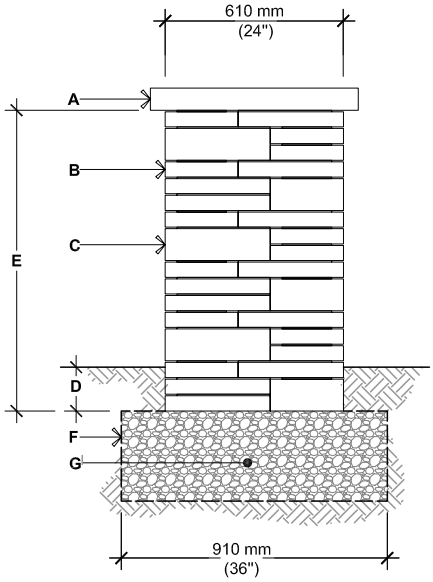
Installation guide

PILLARS



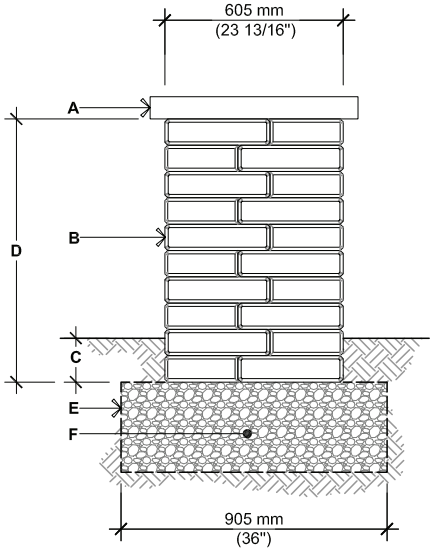
PRESCOTT 2.25" & 4.5"
OPTION A

- **A.** PILLAR CAP UNIT (SECURE WITH CONCRETE ADHESIVE)
- **B.** PRESCOTT 2.25" PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- **C.** PRESCOTT 4.5" PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- **D.** EMBEDMENT DEPTH, 6" (150 mm) MIN.
- **E.** 40 1/2" (1 029 mm) 45" (1 143 mm), MAX. HEIGHT
- **F.** GEOTEXTILE
- **G.** COMPACTED GRANULAR BASE 6" (150 mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS



PRESCOTT 2.25" & 4.5"
OPTION B

- **A.** PILLAR CAP UNIT (SECURE WITH CONCRETE ADHESIVE)
- **B.** PRESCOTT 2.25" PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- **C.** PRESCOTT 4.5" PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- **D.** EMBEDMENT DEPTH, 6" (150 mm) MIN.
- **E.** 40 1/2" (1 029 mm) 45" (1 143 mm), MAX. HEIGHT
- **F.** GEOTEXTILE
- **G.** COMPACTED GRANULAR BASE 6" (150 mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS



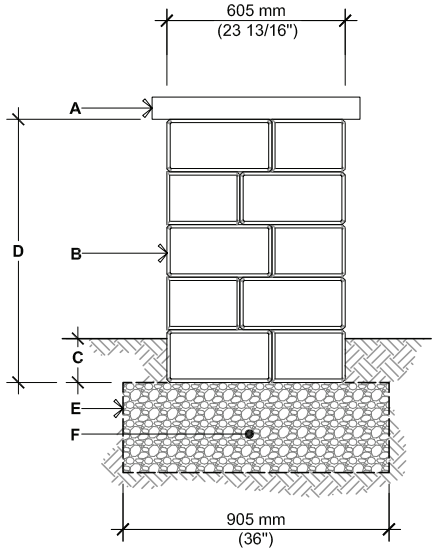
RAFFINATO 90 mm

- **A.** STONEDGE COLLECTION PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH A CONCRETE ADHESIVE
- **B.** RAFFINATO 90 mm PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE
- **C.** EMBEDMENT DEPTH: 150 mm (6") MIN.
- **D.** 900 mm (35 7/16"), HEIGHT PER PALLET 1 080 mm (42 1/2"), MAXIMUM HEIGHT
- **E.** GEOTEXTILE
- **F.** COMPACTED GRANULAR BASE 150 mm (6") THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

For all possible combinations of pillars and caps, please refer to the correspondence table on page 144.

Installation guide

PILLARS



RAFFINATO 180 mm

A. STONEDGE COLLECTION PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH A CONCRETE ADHESIVE

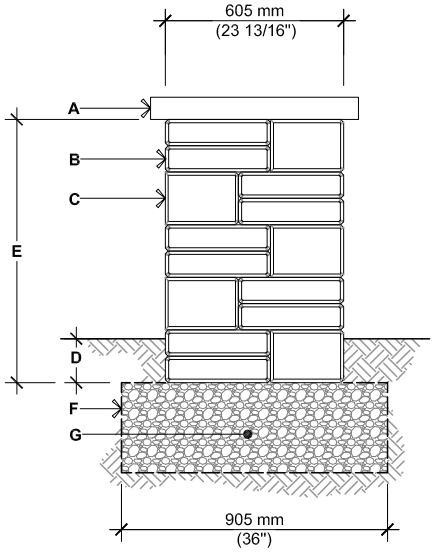
B. RAFFINATO 180 mm PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE

C. EMBEDMENT DEPTH: 150 mm (6") MIN.

D. 900 mm (35 7/16"), HEIGHT PER PALLET 1080 mm (42 1/2"), MAXIMUM HEIGHT

E. GEOTEXTILE

F. COMPACTED GRANULAR BASE 150 mm (6") THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS



RAFFINATO 90 mm & 180 mm
OPTION A

A. STONEDGE COLLECTION PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH A CONCRETE ADHESIVE

B. RAFFINATO 90 mm PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE

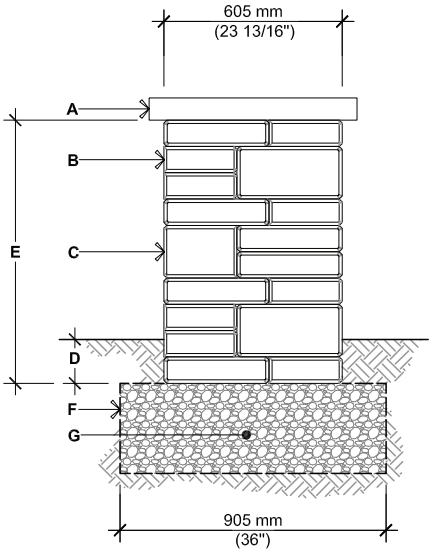
C. RAFFINATO 180 mm PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE

D. EMBEDMENT DEPTH: 150 mm (6") MIN.

E. 900 mm (35 7/16"), 1 080 mm (42 1/2"), MAXIMUM HEIGHT

F. GEOTEXTILE

G. COMPACTED GRANULAR BASE 150 mm (6") THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS



RAFFINATO 90 mm & 180 mm
OPTION B

A. STONEDGE COLLECTION PILLAR CAP UNIT, SECURE TO UNITS BELOW WITH A CONCRETE ADHESIVE

B. RAFFINATO 90 mm PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE

C. RAFFINATO 180 mm PILLAR UNIT SECURE EACH ROW WITH CONCRETE ADHESIVE

D. EMBEDMENT DEPTH: 150 mm (6") MIN.

E. 900 mm (35 7/16"), 1 080 mm (42 1/2"), MAXIMUM HEIGHT

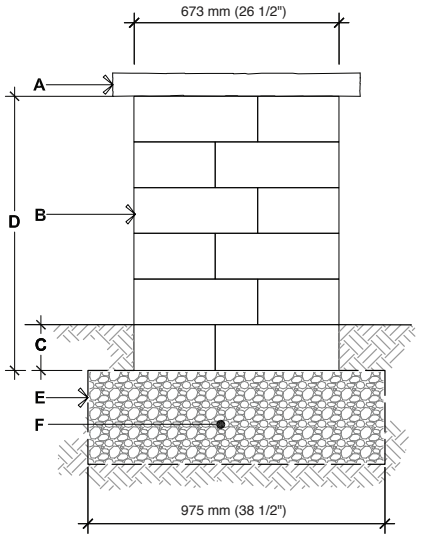
F. GEOTEXTILE

G. COMPACTED GRANULAR BASE 150 mm (6") THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

For all possible combinations of pillars and caps, please refer to the correspondence table on page 144.

Installation guide

PILLARS



SEMMA PILLAR

A. PILLAR CAP UNIT
(SECURE WITH CONCRETE ADHESIVE)

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)

For all possible combinations of pillars and caps, please refer to the correspondence table on page 144.

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 and Suprema. Bullnose, Escala cap, Piedimonte, Portofino or the Prima 14" cap are used as a step and secured with concrete adhesive.

Installation outline

01 INSTALLATION OF THE RISER

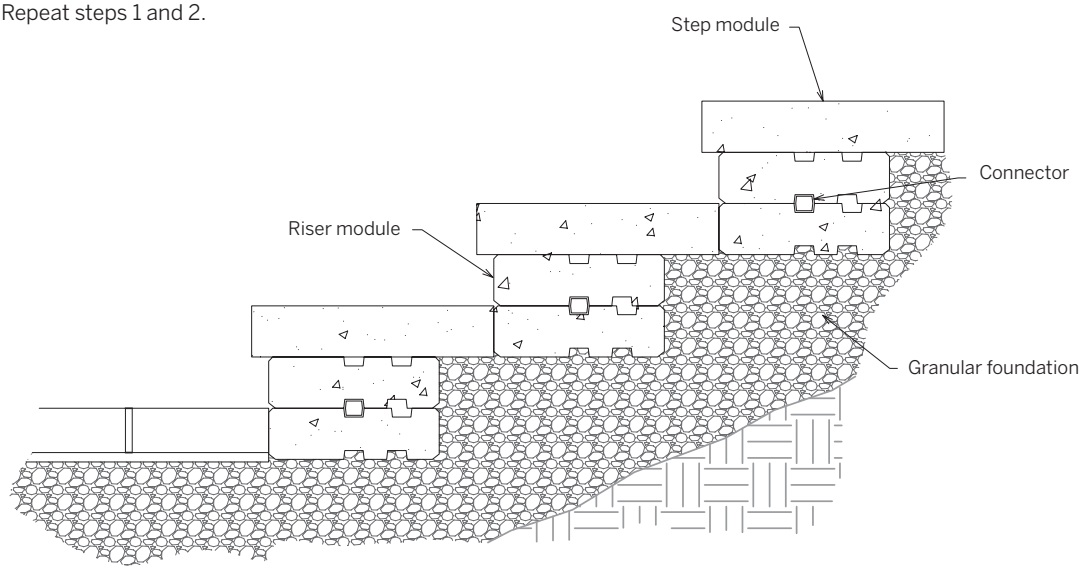
Install the riser with the block model selected. For some models (e.g., Mini-Creta 3"), you will need to install two rows when building a riser. In this case, make sure you use the connectors in the right position. Fill in and compact behind the riser with crushed stone.

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.



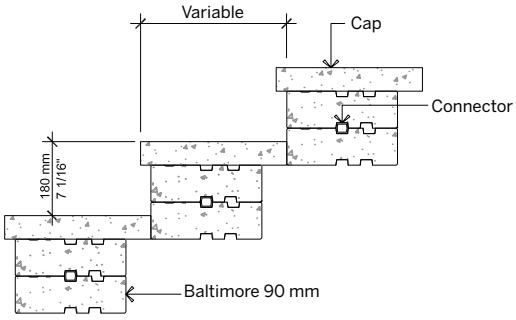
STEP INSTALLATION

Typical cross section

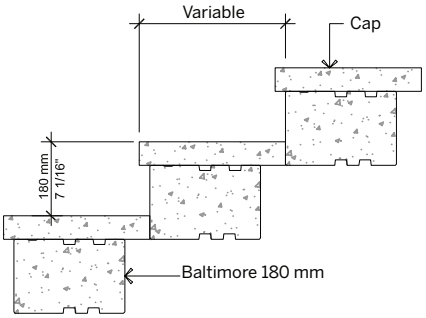
Installation guide

STEPS

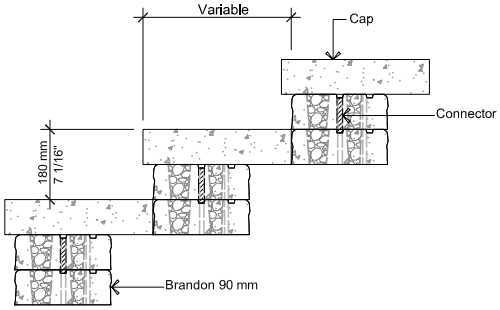
BALTIMORE
90 mm



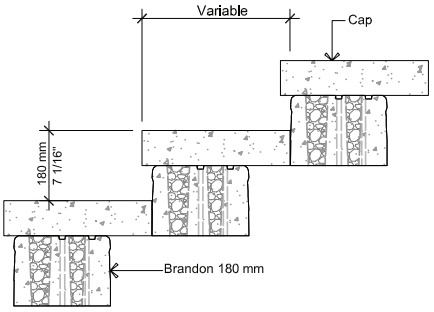
BALTIMORE
180 mm



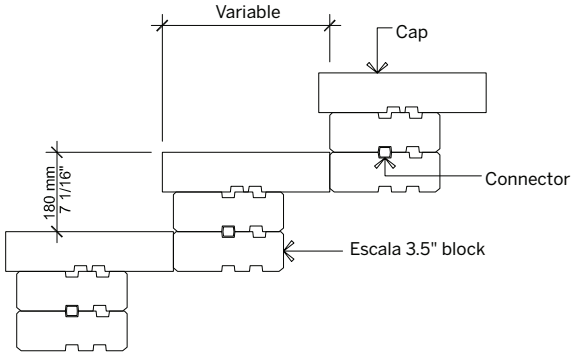
BRANDON
90 mm



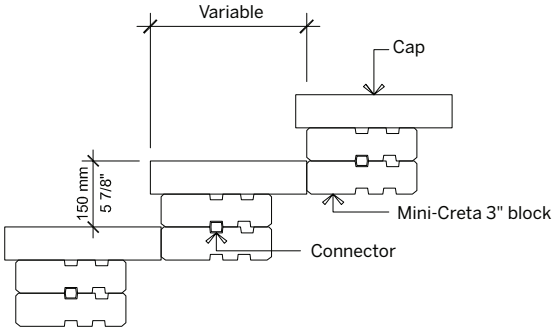
BRANDON
180 mm



ESCALA 3.5"



MINI-CRETA 3"



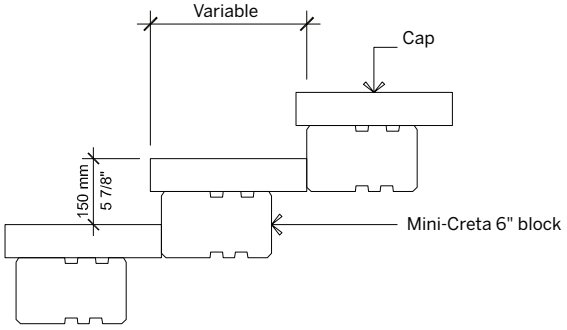
INSTALLATION GUIDE

For all possible combinations of walls and caps, please refer to the correspondence table on page 144.

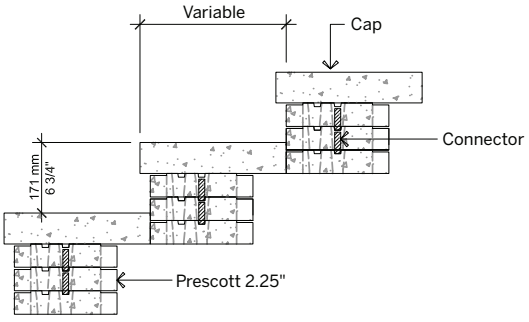
Installation guide

STEPS

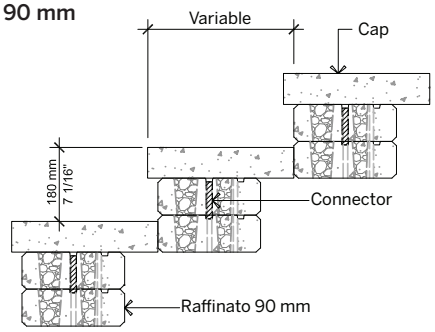
MINI-CRETA 6"



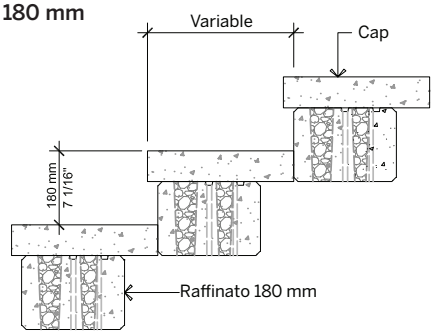
PRESCOTT 2,25"



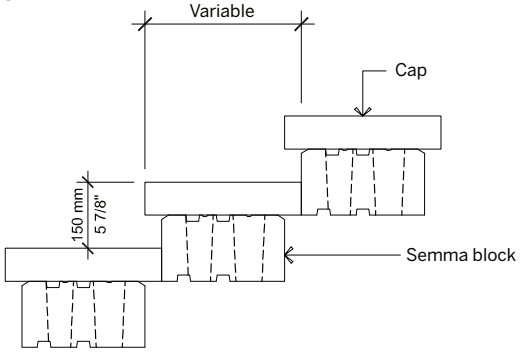
RAFFINATO 90 mm



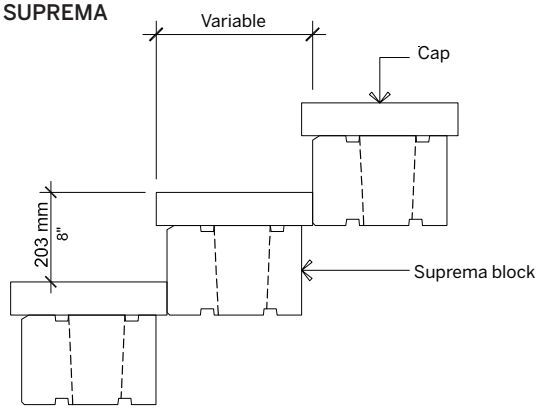
RAFFINATO 180 mm



SEMMA



SUPREMA

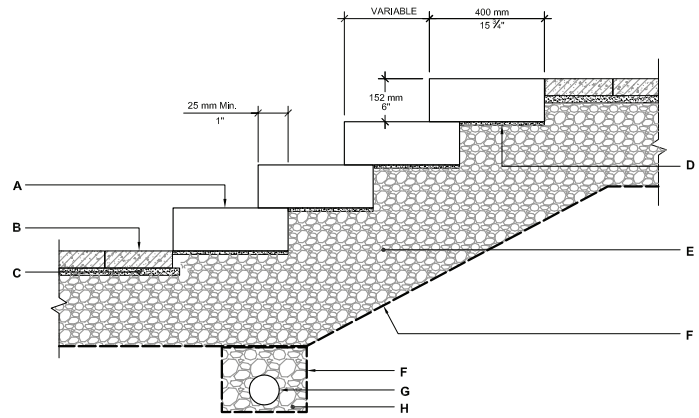


For all possible combinations of walls and caps, please refer to the correspondence table on page 144.

Installation guide

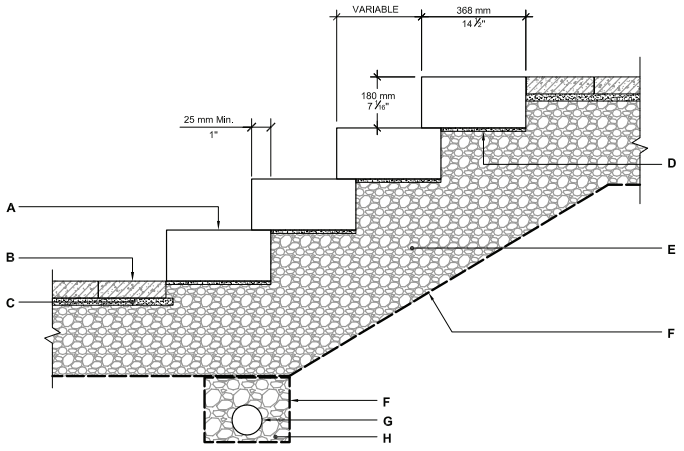
STEPS

BOREALIS



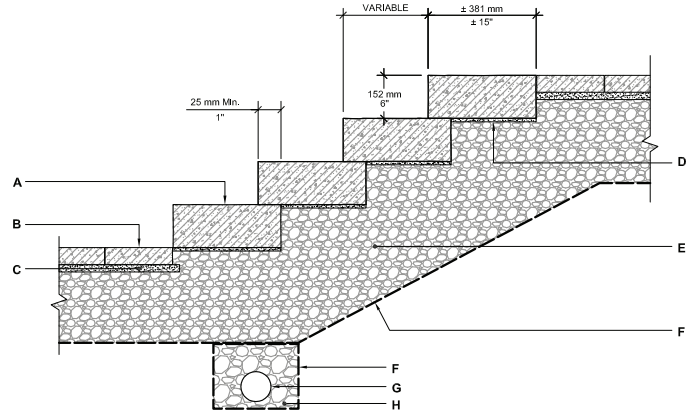
- **A.** BOREALIS STEP UNIT
- **B.** TECHO-BLOC CONCRETE PAVER
- **C.** SETTING BED 25 mm (1") THICK
- **D.** SETTING BED 12 mm (1/2") MAX. TO COMPACT (AS REQUIRED FOR ALIGNMENT)
- **E.** COMPACTED GRANULAR BASE 0-20 mm (0-3/4") THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS
- **F.** GEOTEXTILE
- **G.** PERFORATED DRAIN 100 mm (4") DIA. CONNECTED TO SERVICES
- **H.** CLEAN STONE 20 mm (3/4")

RAFFINATO



- **A.** RAFFINATO STEP UNIT
- **B.** TECHO-BLOC CONCRETE PAVER
- **C.** SETTING BED 25 mm (1") THICK
- **D.** SETTING BED 12 mm (1/2") MAX. TO COMPACT (AS REQUIRED FOR ALIGNMENT)
- **E.** COMPACTED GRANULAR BASE 0-20 mm (0-3/4") THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS
- **F.** GEOTEXTILE
- **G.** PERFORATED DRAIN 100 mm (4") DIA. CONNECTED TO SERVICES
- **H.** CLEAN STONE 20 mm (3/4")

RÖCKA / YORK

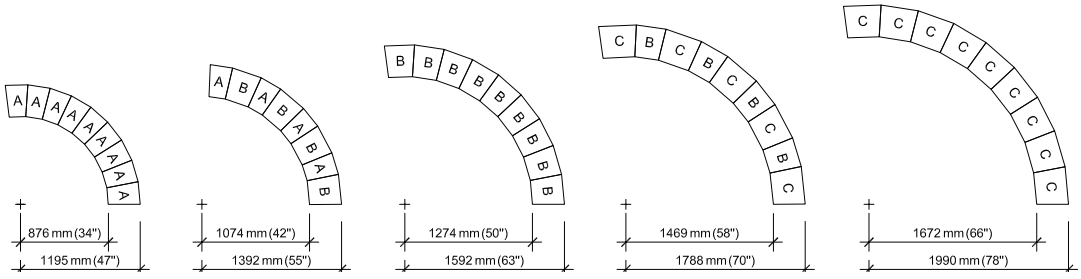


- **A.** RÖCKA OR YORK STEP UNIT
- **B.** TECHO-BLOC CONCRETE PAVER
- **C.** SETTING BED 25 mm (1") THICK
- **D.** SETTING BED 12 mm (1/2") MAX. TO COMPACT (AS REQUIRED FOR ALIGNMENT)
- **E.** COMPACTED GRANULAR BASE 0-20 mm (0-3/4") THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS
- **F.** GEOTEXTILE
- **G.** PERFORATED DRAIN 100 mm (4") DIA. CONNECTED TO SERVICES
- **H.** CLEAN STONE 20 mm (3/4")

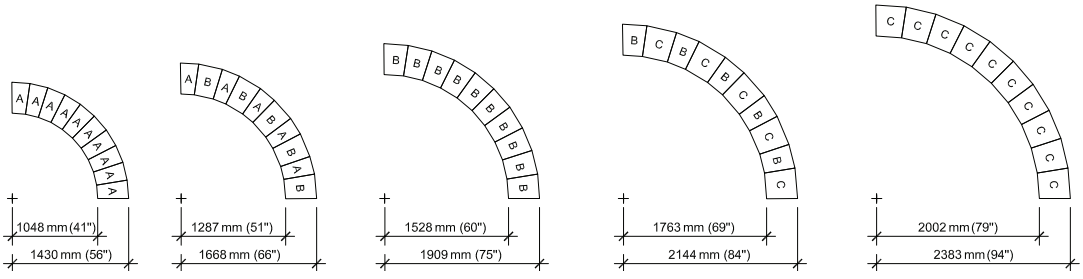
Installation guide

CAPS RADIUS

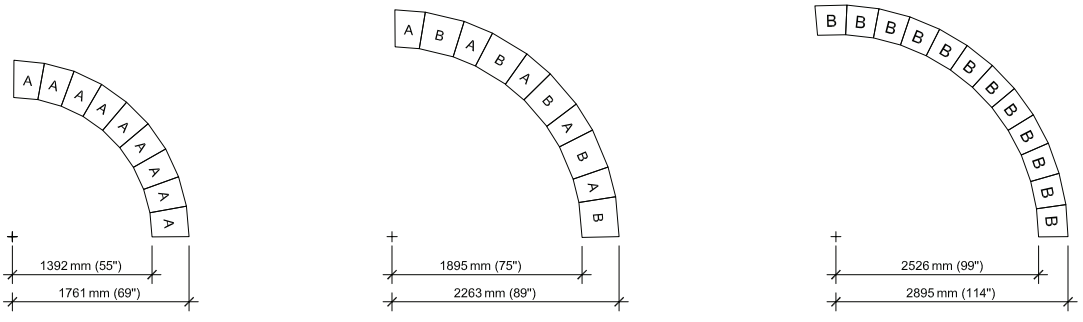
AGED



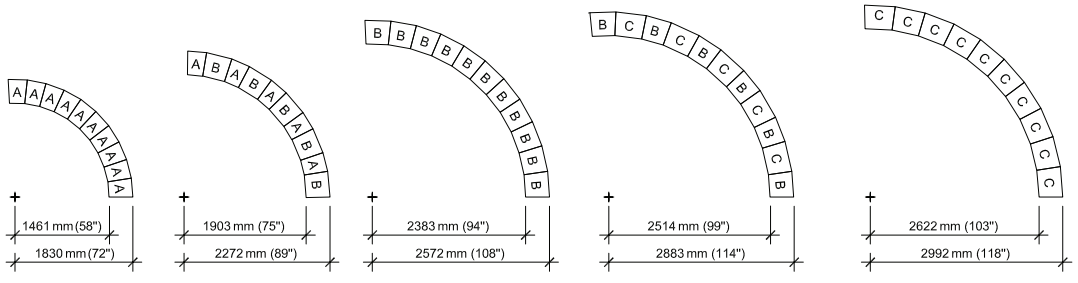
ESCALA 3.5"



MURO NATURALE

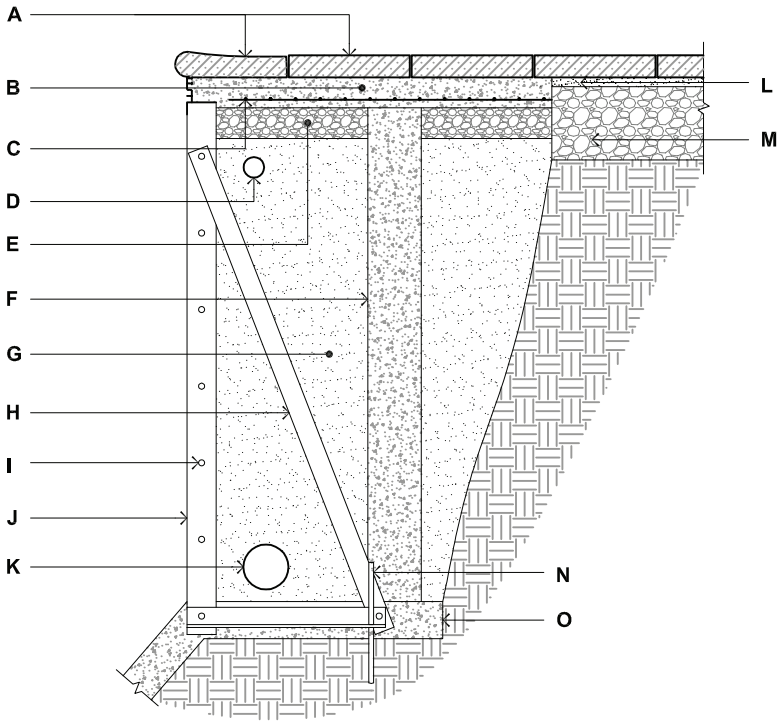


PORTOFINO



Installation guide
POOL COPING

Installation outline



A. TECHO-BLOC POOL COPING AND PAVER SECURED TO CONCRETE SLAB WITH ADHESIVE OR MORTAR

B. CONCRETE DECK 39" (1 m) WIDE BY 4" (100 mm) THICK MIN.

C. WELDED WIRE MESH, 6 X 6 - W1.4/W1.4 (152 X 152 MW9.1 X MW9.1)

D. FLEXIBLE PIPE, 1 ½" (40 mm) DIAM.

E. CLEAN STONE ¾" (20 mm), 2" (50 mm) THICK MIN.

F. CONCRETE PILLAR, 6" (150 mm) DIAM.

G. SAND BACKFILL

H. STRUT

I. POOL PANEL

J. POOL LINER

K. PERFORATED DRAIN, 4" (100 mm) DIAM. WRAPPED WITH A GEOTEXTILE

L. BEDDING COURSE, 1" (25 mm)

M. COMPACTED GRANULAR BASE 0-¾" (0-20 mm) (see table page 151 for thickness)

N. STEEL ROD ⅜" (10 mm) ANCHORED TO SUBGRADE

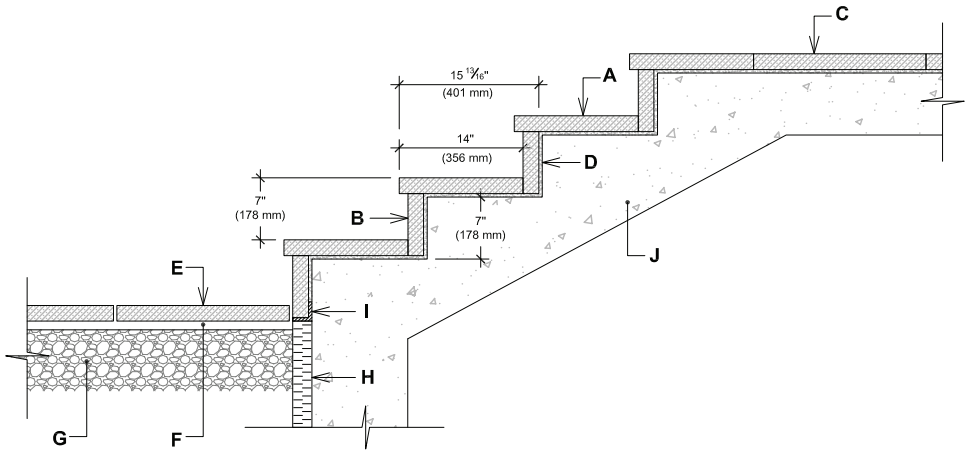
O. CONCRETE FOOTING, 4" (100 mm) THICK MIN.

POOL COPING INSTALLATION
Typical cross section

Installation guide

OVERLAY OF EXISTING CONCRETE STEPS
VENETIAN CAP, RISER AND SLAB BLU 45 mm

OPTION 1: 7" (178 mm) HIGH RISER

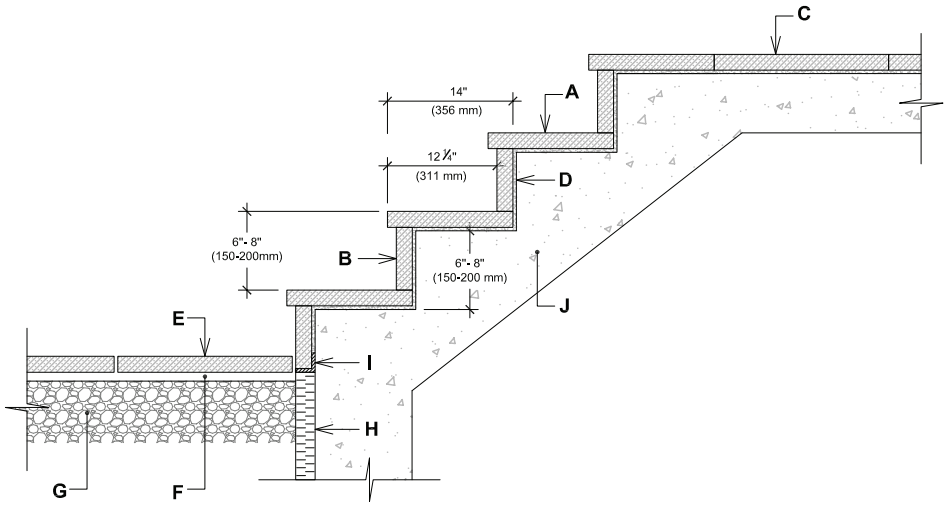


- **A.** Venetian Cap
- **B.** Venetian Riser (cut if the riser height is less than 7")
- **C.** Blu 45 mm Slab (3 sizes)
- **D.** Adhesive
- **E.** Techo-Bloc Pavers or Slabs
- **F.** Setting bed
- **G.** Compacted granular base 0-3/4" (0-20 mm)
- **H.** Rigid insulation
- **I.** Steel angle anchored to concrete
- **J.** Concrete stairway

STEP OVERLAY SYSTEM INSTALLATION

Typical cross section

OPTION 2: 5 7/8" (150 mm) TO 7 7/8" (200 mm) HIGH RISER



- **A.** Venetian Cap
- **B.** Sawn Venetian Riser (depending on the height of the riser)
- **C.** Blu 45 mm Slab (3 sizes)
- **D.** Adhesive
- **E.** Techo-Bloc Pavers or Slabs
- **F.** Setting bed
- **G.** Compacted granular base 0-3/4" (0-20 mm)
- **H.** Rigid insulation
- **I.** Steel angle anchored to concrete
- **J.** Concrete stairway

STEP OVERLAY SYSTEM INSTALLATION

Typical cross section

Installation guide
MANCHESTER 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.

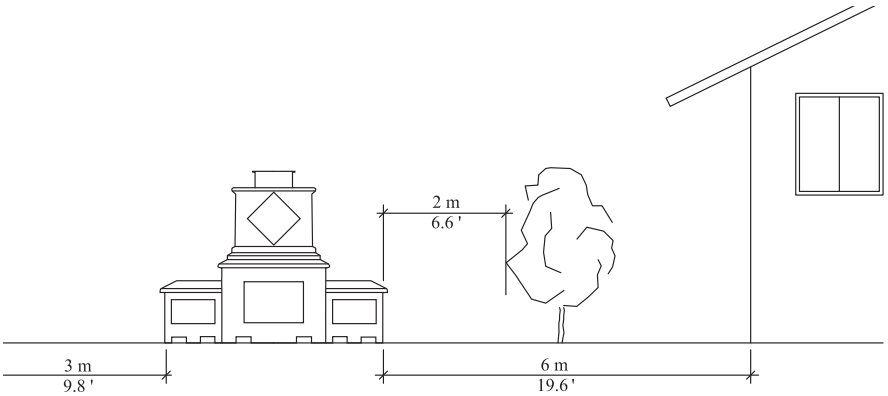
IMPORTANT

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

01 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.

02 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.

03 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

01 Remove the shipping straps from the fireplace and insert the forklift forks between the openings in the base.

02 Place the base on the level concrete base (see Preparation: foundation in previous section)

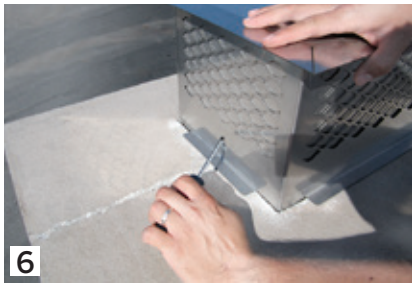
03 Install the filler blocks in the fork holes.

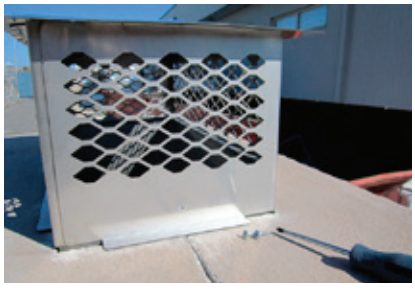
Installation guide
MANCHESTER FOYER

04 Remove the shipping straps that hold the top unit to the skid.

05 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.

06 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.





07 Place the filler blocks into the fork holes.

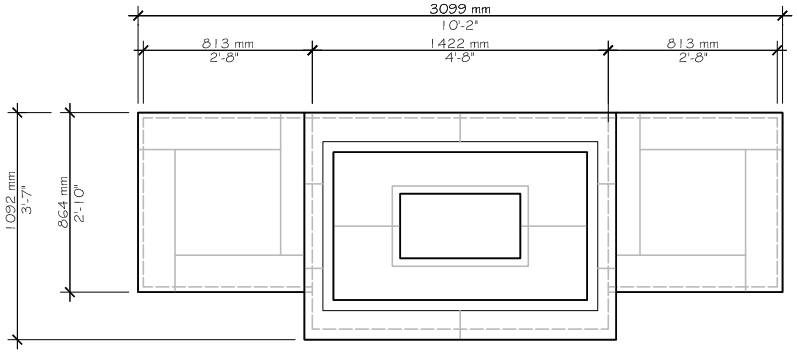
08 Gently place the wood boxes (if purchased) on either side of the fireplace. Be very careful, as the bullnose or coping will break if it is pushed too hard against the fireplace.

09 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.

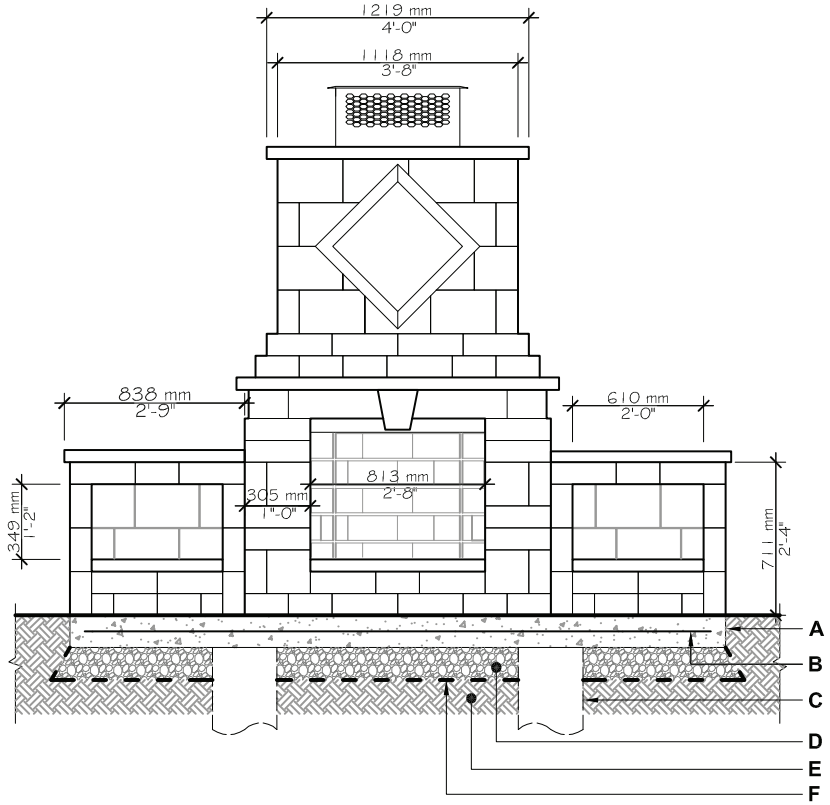
Installation guide

MANCHESTER FOYER HARVEST GOLD

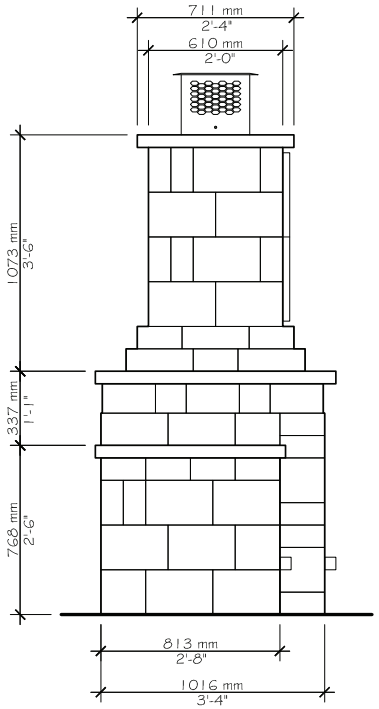


TOP

- **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



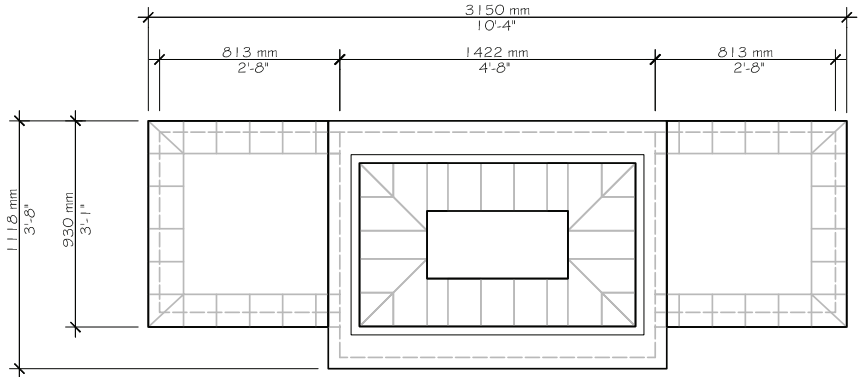
FRONT



SIDE

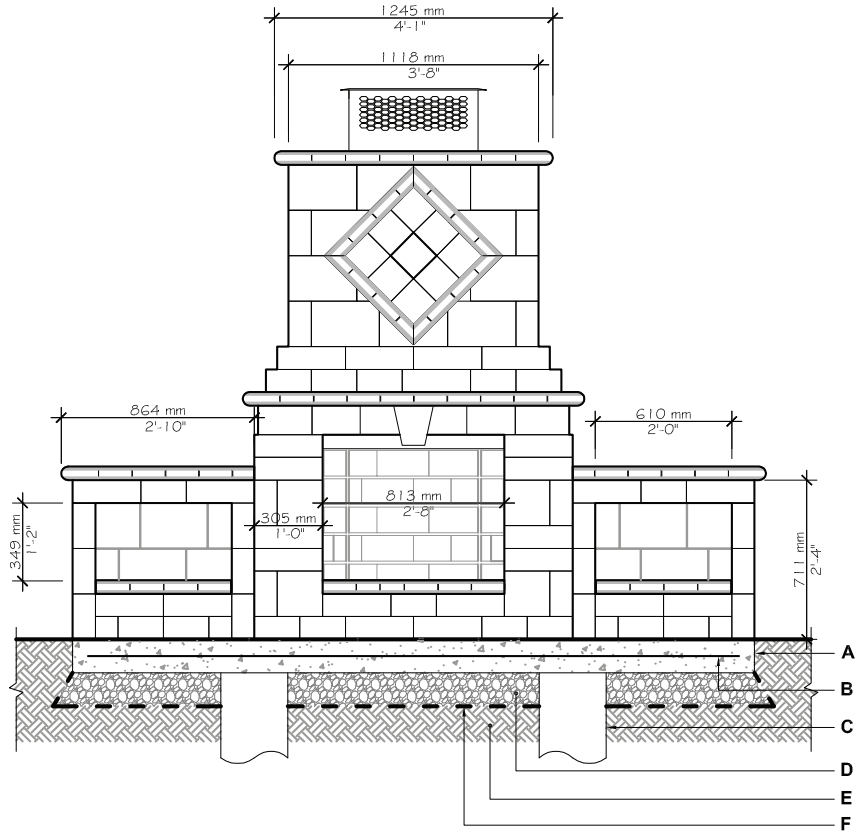
Installation guide
MANCHESTER FOYER SHALE GREY

FOYER
SHALE GREY

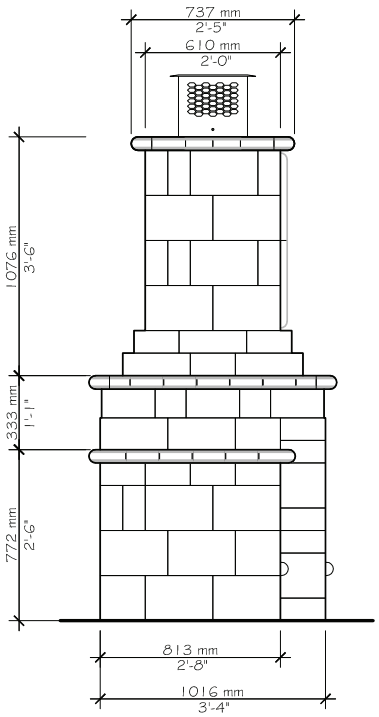


TOP

- **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

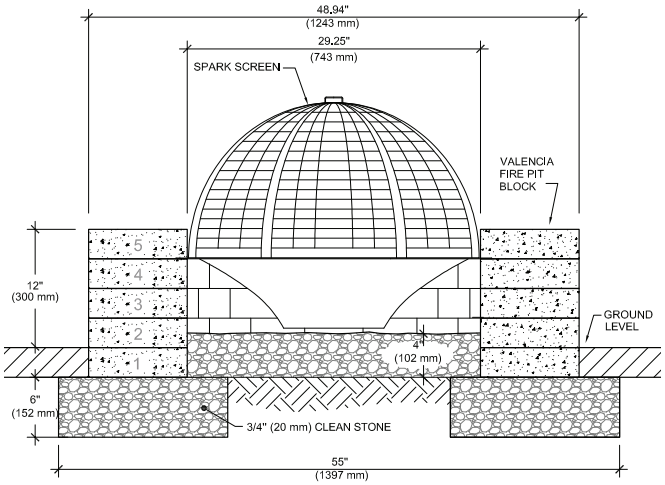
VALENCIA FIRE PIT

Installation outline

01 FOUNDATION

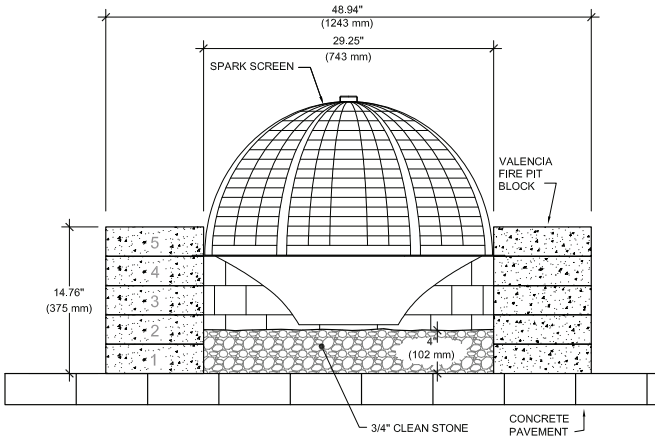
FOUNDATION – OPTION 1
COMPACTED GRAVEL BASE

The Valencia fire pit should be installed on a well-compacted ¾" (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 ¾" (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 14.75" (375 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

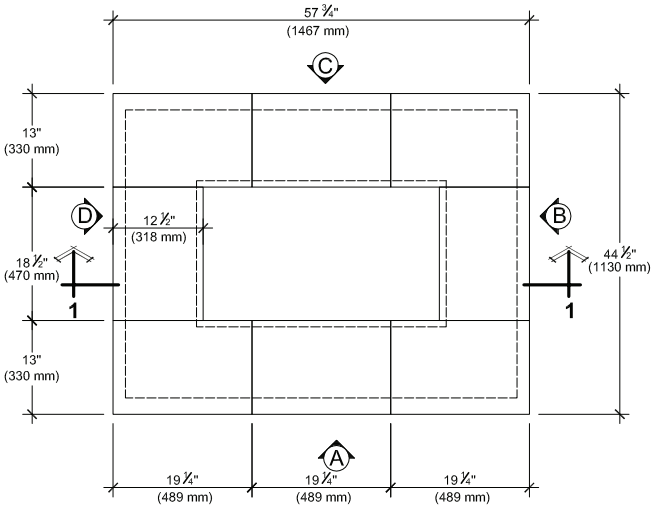
We strongly recommend against the gluing of caps. When placing the spark screen, make sure it rests on the fire bowl and not on the caps (see images D & E). Finally, you will be required to use the poker stick to remove or place the spark screen when the fire pit is in use. **CAUTION : THE SPARK SCREEN HANDLE BECOMES VERY HOT FROM THE FIRE.**

NOTE:

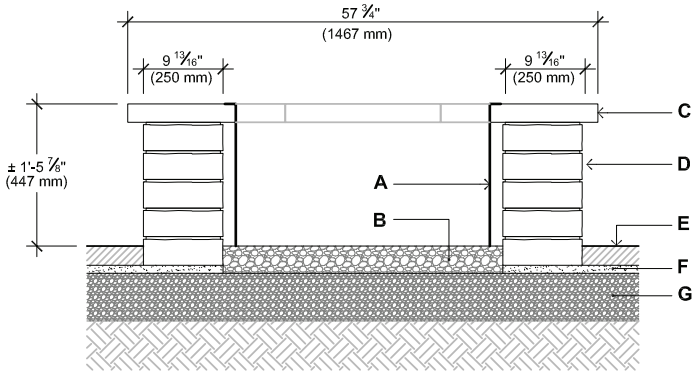
It is strongly recommended that the sand (or clean stone material) be replaced at the start of each season in order to ensure proper filtration.

Installation guide

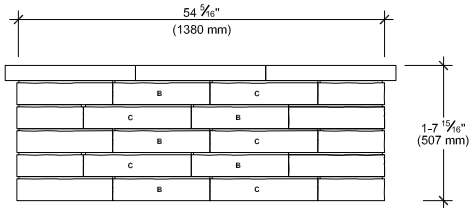
BRANDON RECTANGLE, FIRE PIT



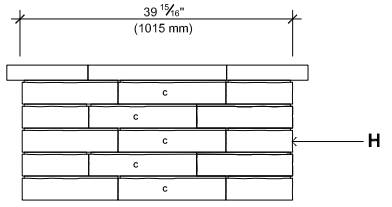
TOP



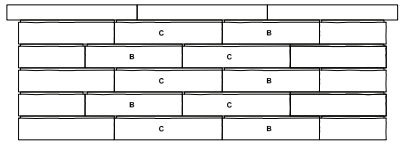
SECTION 1-1



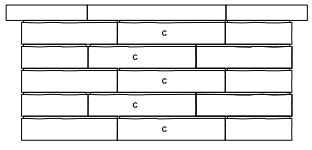
ELEVATION A



ELEVATION B



ELEVATION C



ELEVATION D

- **A.** STEEL BOX INSERT
- **B.** CLEAN STONE 3/4" (20 mm), 4" (100 mm) THICK
- **C.** PIEDIMONTE CAP (PRE-CUT)
- **D.** BRANDON 90 mm BLOCK
- **E.** TECHO-BLOC PAVERS OR SLABS
- **F.** SETTING BED 1" (25 mm)
- **G.** COMPACTED GRANULAR BASE 0-3/4" (0-20 mm)
- **H.** BRANDON 90 mm CORNER BLOCK

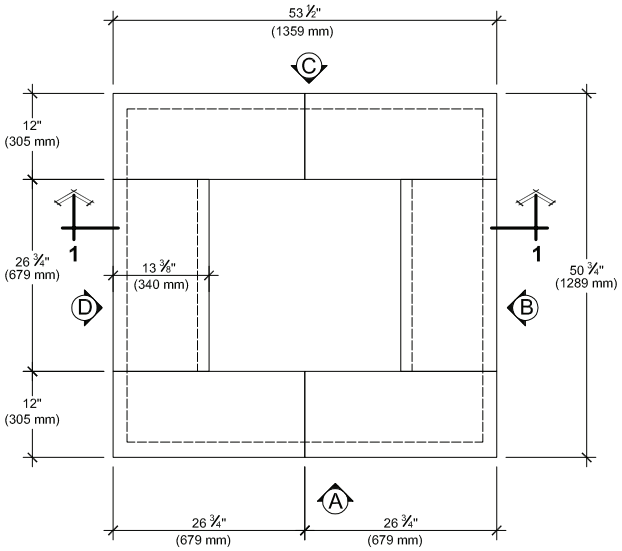
QUANTITY OF MATERIALS REQUIRED

- Piedimonte cap: 8
- Brandon 90 mm block: 10 B, 20 C
- Brandon 90 mm corner block: 20

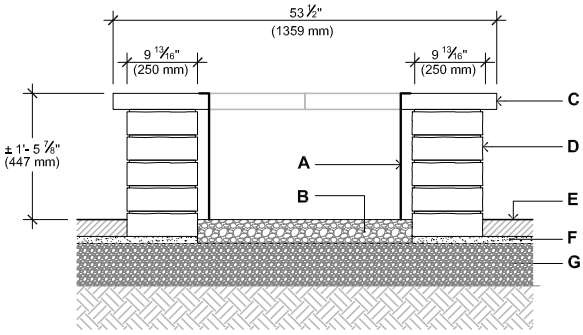
NOTE : Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the firepit comply with local regulations and code requirements.

Installation guide

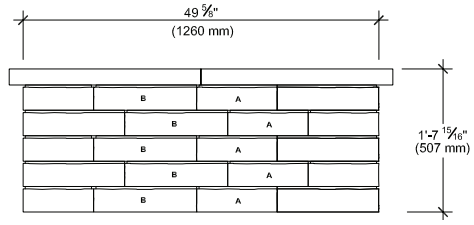
BRANDON SQUARE, FIRE PIT



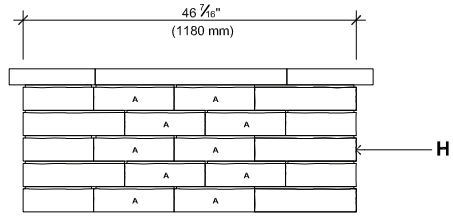
TOP



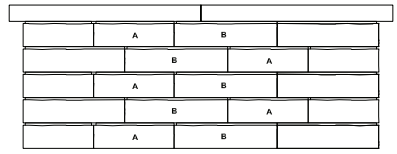
SECTION 1-1



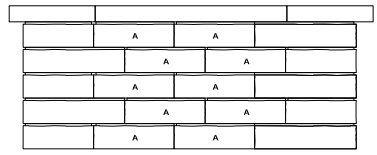
ELEVATION A



ELEVATION B



ELEVATION C



ELEVATION D

- **A.** STEEL BOX INSERT
- **B.** CLEAN STONE ¾" (20 mm), 4" (100 mm) THICK
- **C.** PIEDIMONTE CAP (PRE-CUT)
- **D.** BRANDON 90 mm BLOCK
- **E.** TECHO-BLOC PAVERS OR SLABS
- **F.** SETTING BED 1" (25 mm)
- **G.** COMPACTED GRANULAR BASE 0-¾" (0-20 mm)
- **H.** BRANDON 90 MM CORNER BLOCK

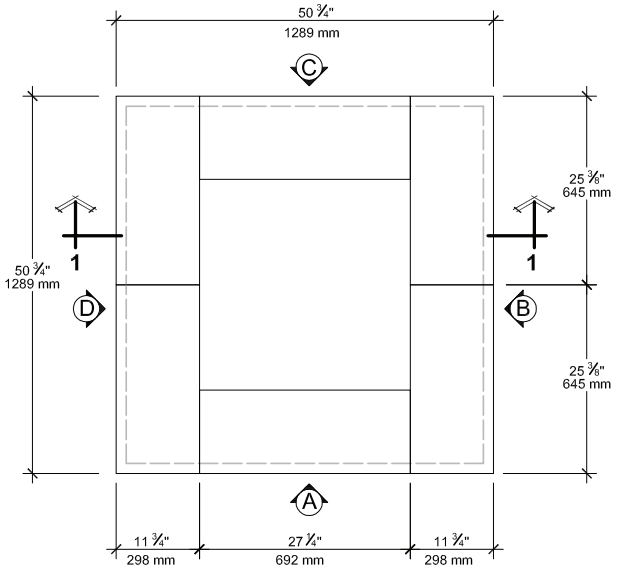
QUANTITY OF MATERIALS REQUIRED

- Piedimonte cap: 6
- Brandon 90 mm block: 30 A, 10 B
- Brandon 90 mm corner block: 20

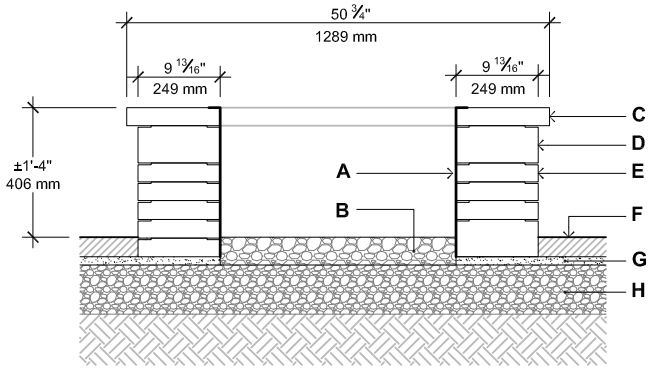
NOTE: Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the firepit comply with local regulations and code requirements.

Installation guide

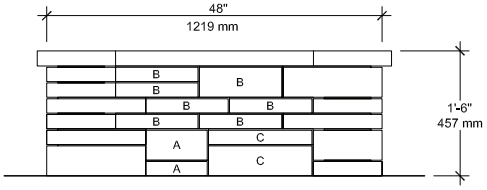
PRESCOTT, FIRE PIT



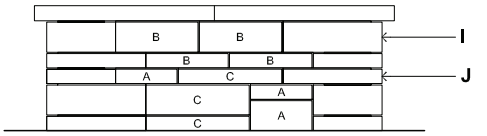
TOP



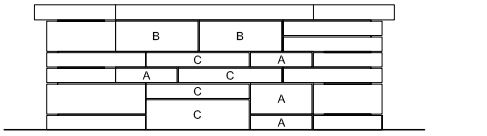
SECTION 1-1



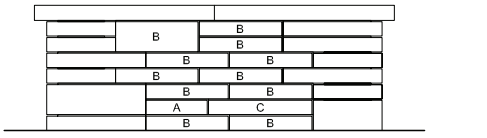
ELEVATION A



ELEVATION B



ELEVATION C



ELEVATION D

- **A.** STEEL BOX INSERT
- **B.** CLEAN STONE 3/4" (20 mm), 4" (100 mm) THICK
- **C.** PIEDIMONTE CAP (CUT)
- **D.** PRESCOTT 4.5" BLOCK
- **E.** PRESCOTT 2.25" BLOCK
- **F.** TECHO-BLOC PAVERS OR SLABS
- **G.** SETTING BED 1" (25 mm)
- **H.** COMPACTED GRANULAR BASE 0-3/4" (0-20 mm) (SEE TABLE PAGE 151 FOR THICKNESS)
- **I.** PRESCOTT 4.5" CORNER BLOCK
- **J.** PRESCOTT 2.25" CORNER BLOCK

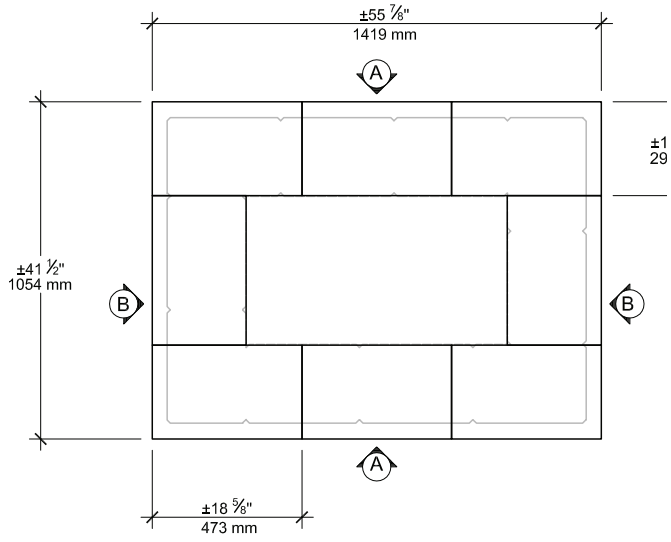
QUANTITY OF MATERIALS REQUIRED

- Piedimonte cap: **6**
- Prescott 2.25"block: **7** A, **18** B, **7** C
- Prescott 4.5"block: **3** A, **6** B, **3** C
- Prescott 2.25" corner block: **16**
- Prescott 4.5" corner block: **6**

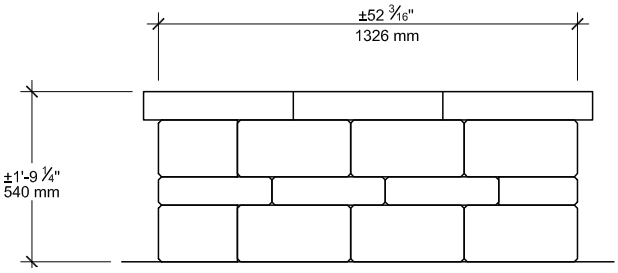
NOTE: Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the firepit comply with local regulations and code requirements.

Installation guide

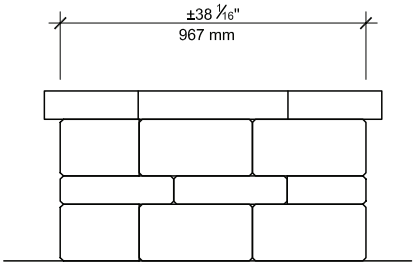
RAFFINATO, FIRE PIT



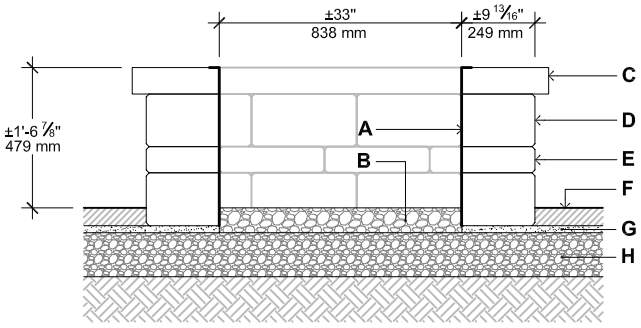
TOP



ELEVATION A



ELEVATION B



SECTION 1-1

A. STEEL BOX INSERT
B. CLEAN STONE 3/4" (20 mm), 4" (100 mm) THICK
C. 12"×24" CAP (CUT)
D. RAFFINATO 180 mm CORNER BLOCK
E. RAFFINATO 90 mm CORNER BLOCK
F. TECHO-BLOC PAVERS OR SLABS
G. SETTING BED 1" (25 mm)
H. COMPACTED GRANULAR BASE 0-3/4" (0-20 mm)
(SEE TABLE PAGE 151 FOR THICKNESS)

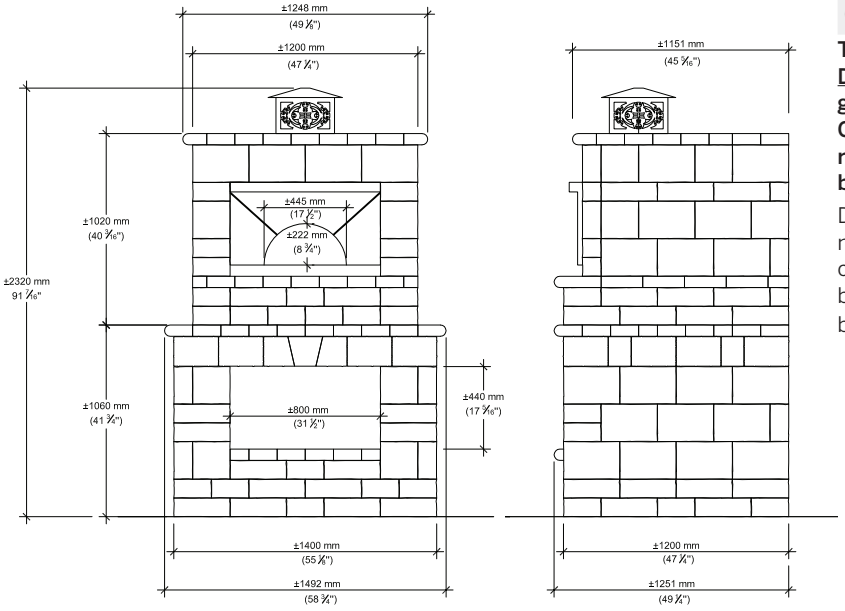
QUANTITY OF MATERIALS REQUIRED

- 12"×24" cap: **8**
- Raffinato 90 mm corner block: **10**
- Raffinato 180 mm corner block: **20**

NOTE : Secure the blocks using a heat resistant concrete adhesive.
The installer must ensure that the installation and use of the firepit comply with local regulations and code requirements.

Installation guide

MANCHESTER ELITE, PIZZA OVEN



FRONT ELEVATION

RIGHT SIDE ELEVATION

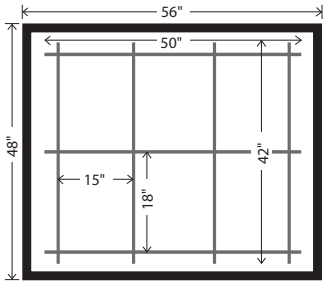
01 CONCRETE PAD PREPARATION

The following drawings are NOT ENGINEERED DRAWINGS. They are provided as a general guidance for the consideration of the installer. Concrete pillars extending to frost line may be required as per local code. Check your local building codes before installing.

Determine the desired location and excavate as necessary to accommodate a minimum of 6" of 3/4" clean stone, 6" of reinforced concrete pad (see drawing below for steel rod placement) and 4" of the pizza oven bottom section below finished grade.

(a)

(b)



(a) #4 rebar (1/2") / (Metric size: 15 M)
(b) 6" concrete slab (4000 psi)

02 INSTALLING BOTTOM SECTION

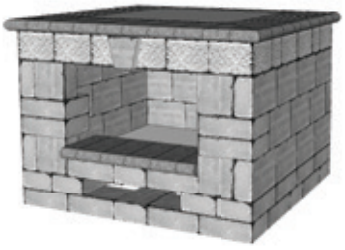
Carefully insert the forklift forks in the openings of the bottom section. Lift the bottom section and place it centered on the concrete pad.

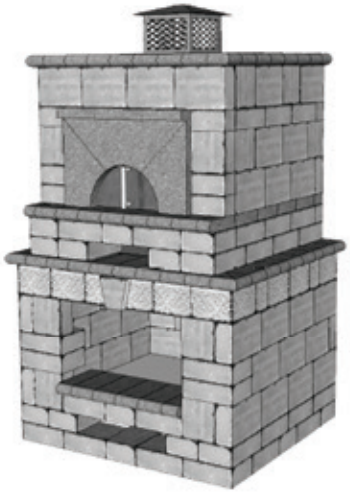
03 INSTALLING TOP SECTION

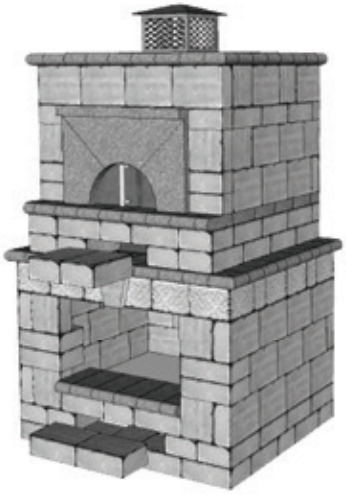
Carefully insert the forklift forks in the openings of the top section. Lift the top section onto the bottom section.

04 FILLER BLOCKS

Place the filler blocks into the fork holes. **Should you want to move the Pizza Oven in the future, do not glue the filler blocks.**





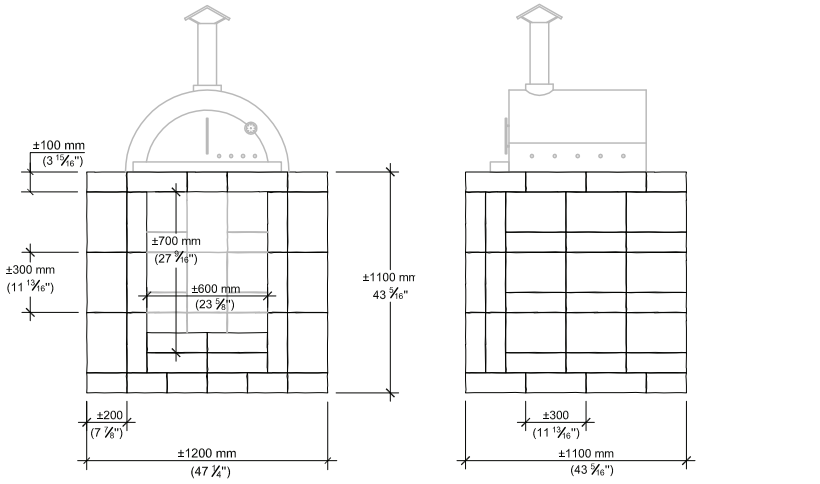


NOTE: The installer must ensure that the installation and use of the pizza oven comply with local regulations and code requirements. The construction of the base should include the installation of a concrete slab and pillars under the slab. The depth of the pillars and reinforcement requirements should be determined based on site conditions and comply with local code.

Installation guide

MANCHESTER RUSTIC, PIZZA OVEN

MODULE WITHOUT COUNTER TOP



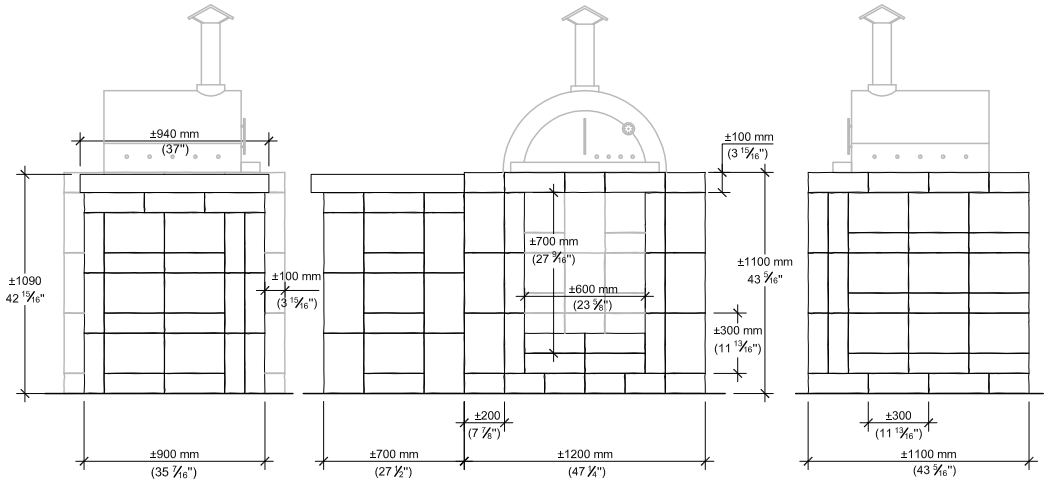
FRONT ELEVATION | RIGHT SIDE ELEVATION

QUANTITY OF MATERIALS REQUIRED - MODULE WITHOUT COUNTER TOP

Manchester block (shale grey): **112**

Manchester block (onyx black): **23**

MODULE WITH COUNTER TOP



LEFT SIDE ELEVATION | FRONT ELEVATION | RIGHT SIDE ELEVATION

QUANTITY OF MATERIALS REQUIRED - MODULE WITH COUNTER TOP

Manchester block (shale grey): **176**

Manchester block (onyx black): **23**

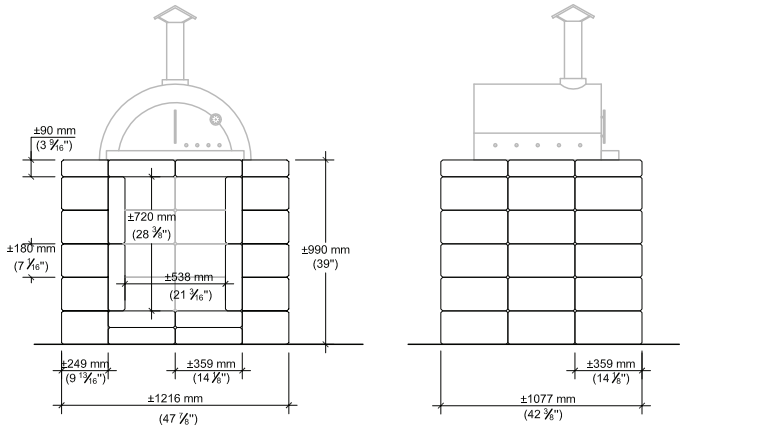
Counter top: **1**

NOTE: Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the pizza oven comply with local regulations and code requirements. The construction of the base should include the installation of a concrete slab and pillars under the slab. The depth of the pillars and reinforcement requirements should be determined based on site conditions and comply with local code.

Installation guide

RAFFINATO, PIZZA OVEN

MODULE WITHOUT COUNTER TOP



FRONT ELEVATION

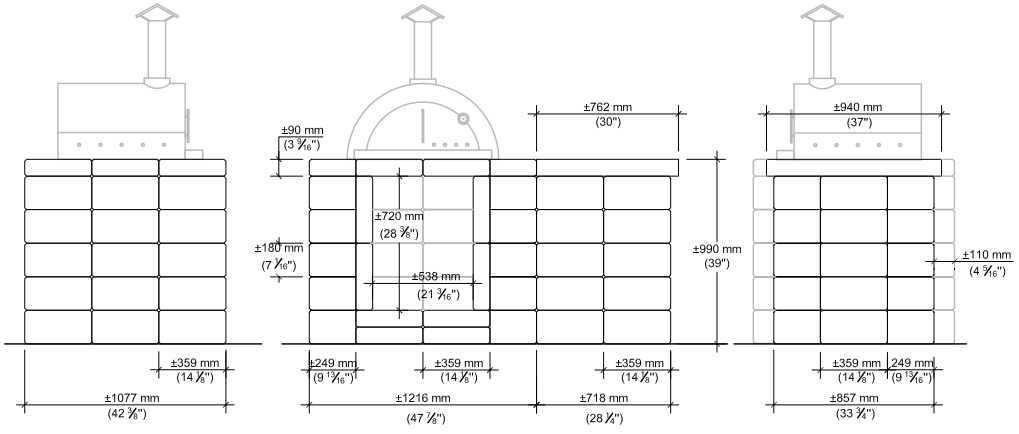
LEFT SIDE ELEVATION

QUANTITY OF MATERIALS REQUIRED - MODULE WITHOUT COUNTER TOP

Raffinato 90 mm block: **24**

Raffinato 180 mm block: **40**

MODULE WITH COUNTER TOP



LEFT SIDE ELEVATION

FRONT ELEVATION

RIGHT SIDE ELEVATION

QUANTITY OF MATERIALS REQUIRED - MODULE WITH COUNTER TOP

Raffinato 90 mm block: **24**

Raffinato 180 mm block: **65**

Counter top: **1**

INSTALLATION GUIDE

NOTE : Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the pizza oven comply with local regulations and code requirements. The construction of the base should include the installation of a concrete slab and pillars under the slab. The depth of the pillars and reinforcement requirements should be determined based on site conditions and comply with local code.

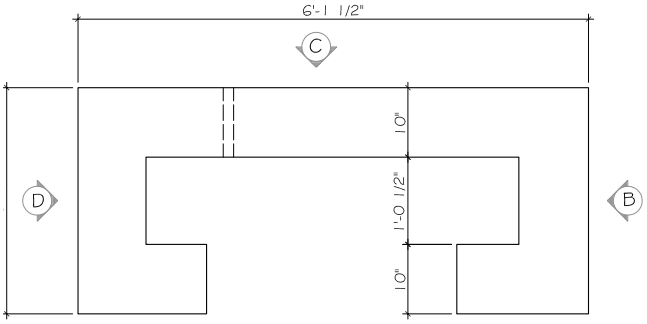
Installation guide

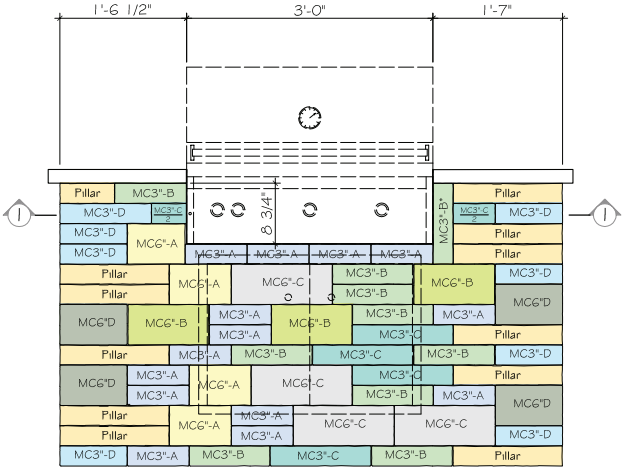
GRILL ISLAND 6 FT

NOTE:

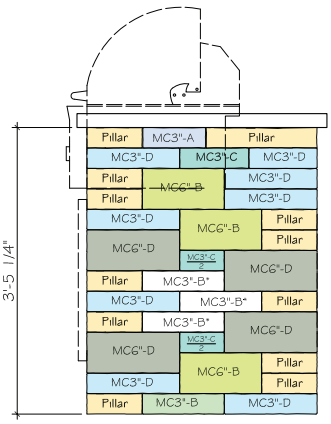
When installing the built-in grill, refer to the manufacturer's instruction guide for all specifications and requirements for natural gas or propane tank location, installation and ventilation.

6 FT	PALLET	UNITS USED	UNITS REMAINING
Pillar 24" x 3" Mini-Creta	½ 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

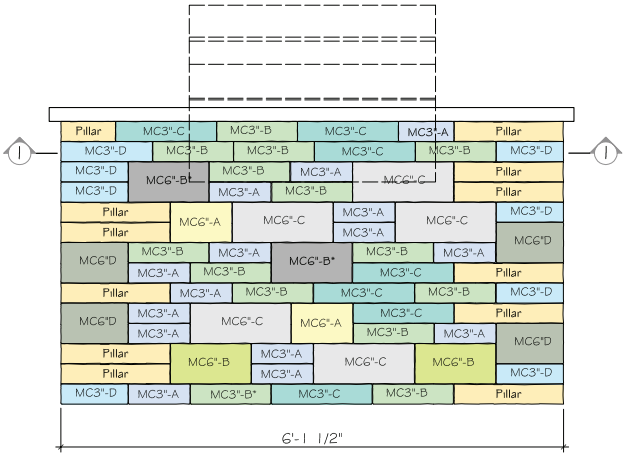




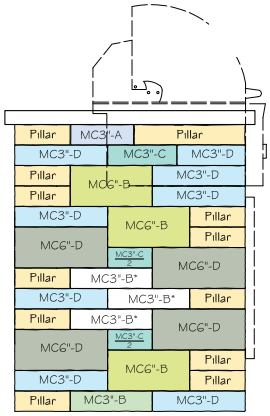
ELEVATION A



ELEVATION B



ELEVATION C



ELEVATION D

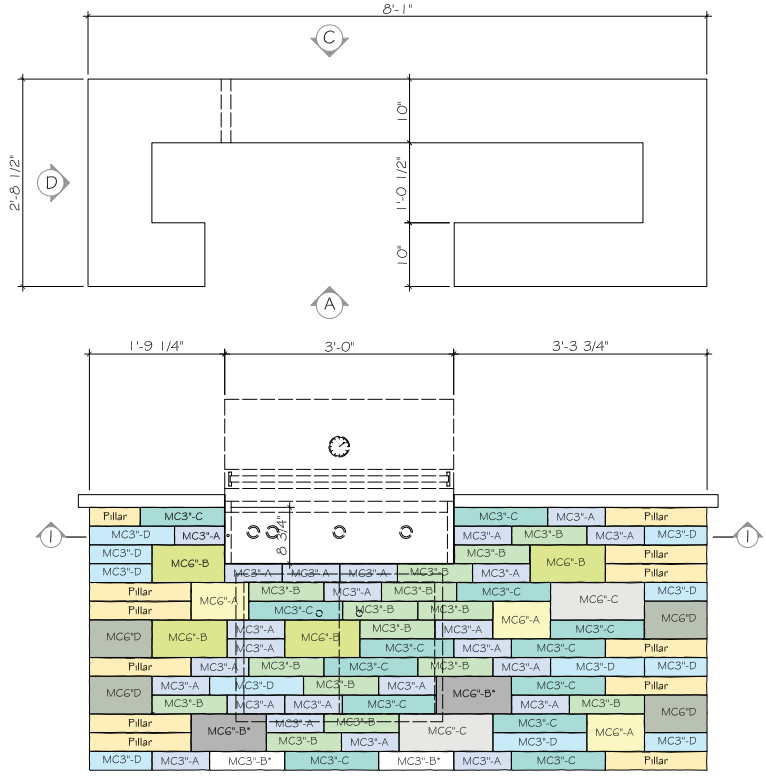
Installation guide

GRILL ISLAND 8 FT

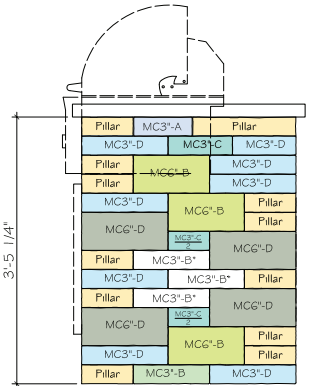
NOTE:

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.

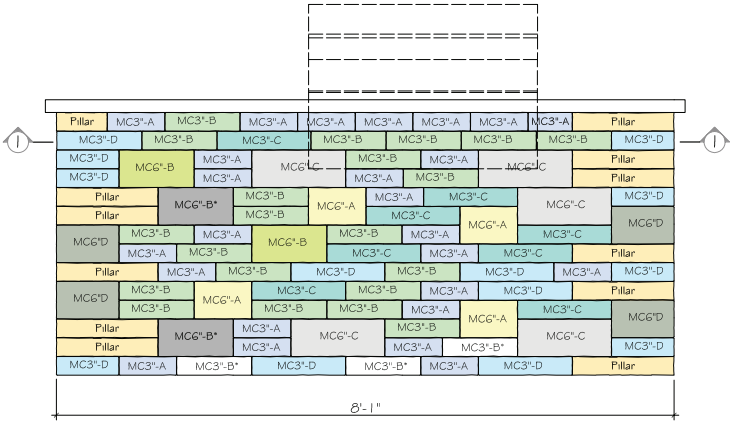
8 FT	PALLET	UNITS USED					UNITS REMAINING				
Pillar 24" x 3" Mini-Creta	½ pal.	A 24									
Mini-Creta 3"	1 pal. + 5 rows	A 51	B 38	B* 11	C 25	D 24	A 1	B 1	B* 2	C 1	D 2
Mini-Creta 6"	1 pal.	A 7	B 12	B* 4	C 7	D 8	A 13	B 3	B* 1	C 3	D 2



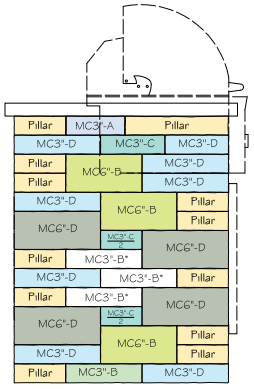
ELEVATION A



ELEVATION B



ELEVATION C



ELEVATION D

INSTALLATION GUIDE

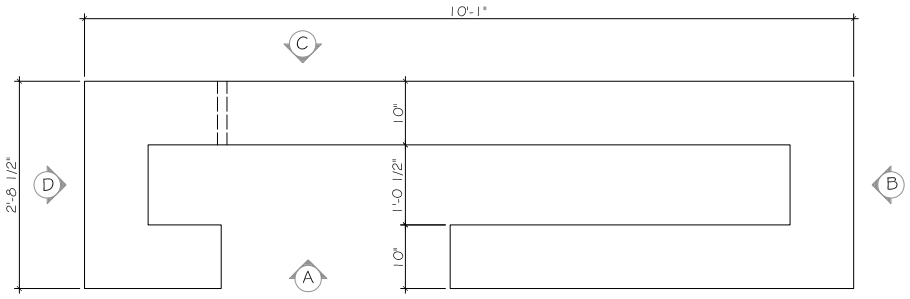
Installation guide

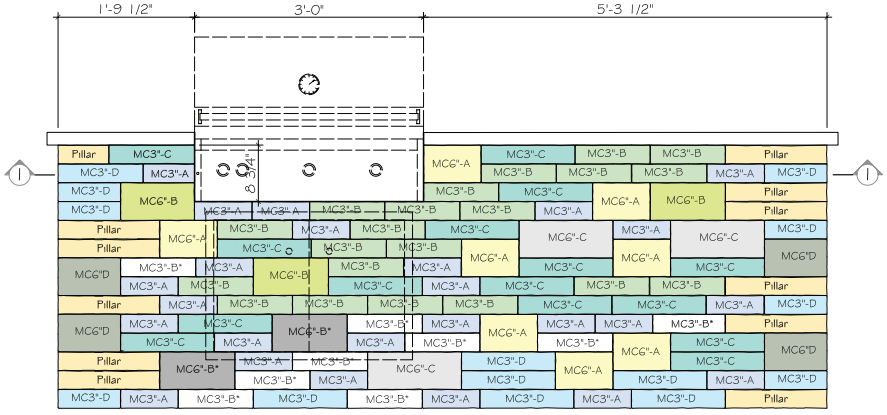
GRILL ISLAND 10 FT

NOTE:

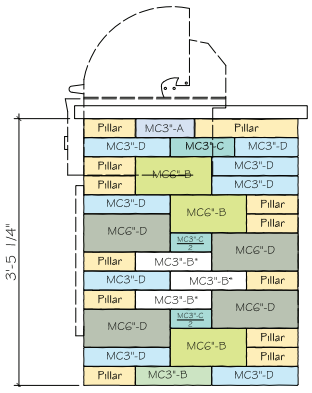
When installing the built-in grill, refer to the manufacturer's instruction guide for all specifications and requirements for natural gas or propane tank location, installation and ventilation.

10 FT	PALLET	UNITS USED	UNITS REMAINING
Pillar 24" x 3" Mini-Creta	½ 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

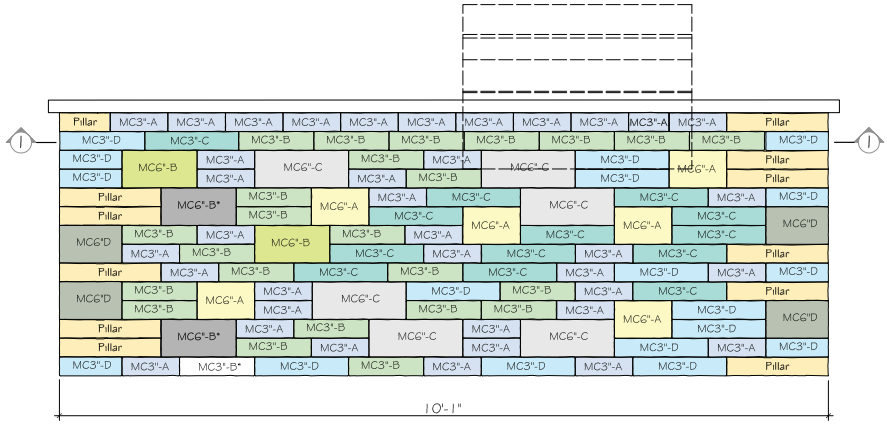




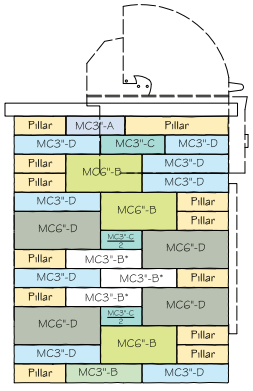
ELEVATION A



ELEVATION B



ELEVATION C



ELEVATION D

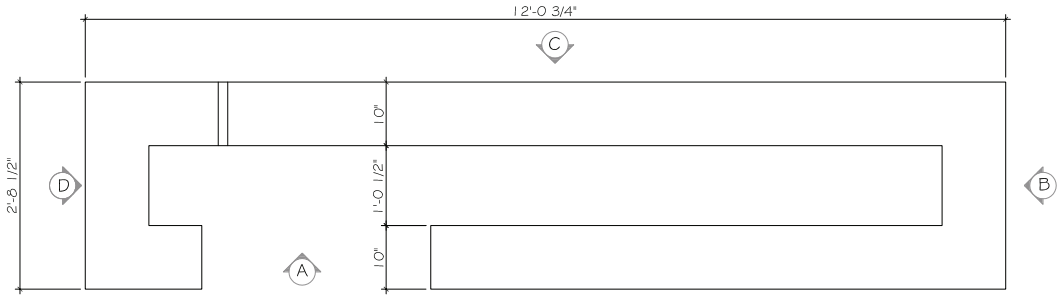
Installation guide

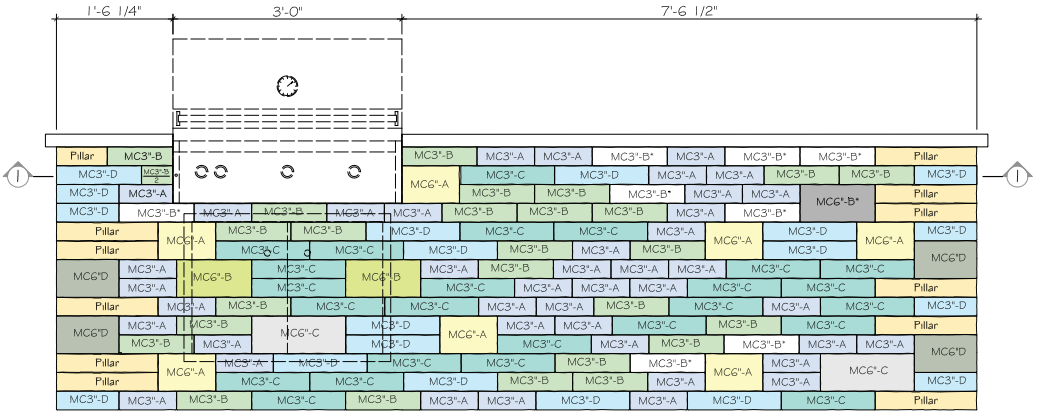
GRILL ISLAND 12 FT

NOTE:

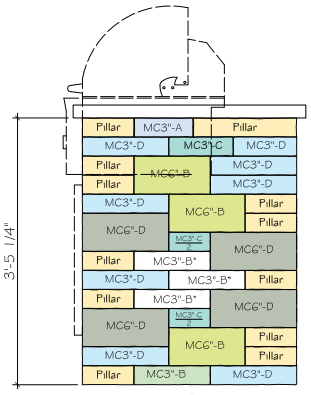
When installing the built-in grill, refer to the manufacturer's instruction guide for all specifications and requirements for natural gas or propane tank location, installation and ventilation.

12 FT	PALLET	UNITS USED	UNITS REMAINING
Pillar 24" x 3" Mini-Creta	½ pal.	A 24	
Mini-Creta 3"	2 pal. +6 rows	A 88 B 62 B* 22 C 44 D 44	A 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

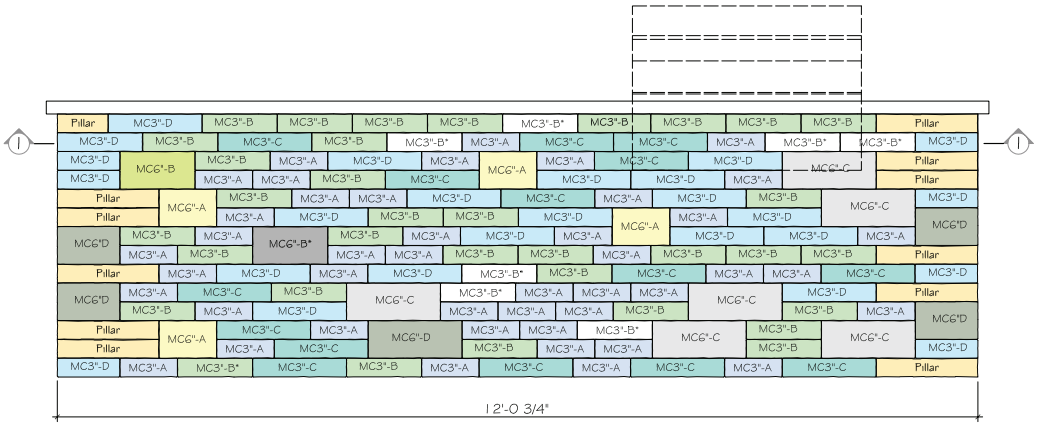




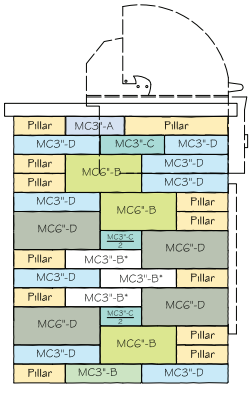
ELEVATION A



ELEVATION B



ELEVATION C



ELEVATION D

Techo-Bloc

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