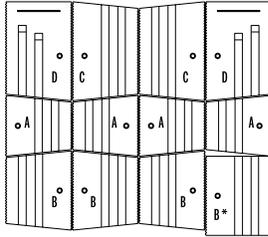




## MINI-CRETA 3"

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

### PALLET OVERVIEW



### COMPATIBLE CAPS

See page 109 for product compatibility.

### NOTES

When building a double-sided wall one pallet will cover an average of 21.76 ft<sup>2</sup>.

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

See page 105 to 125 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	<b>24 ft<sup>2</sup></b>	2.23 m <sup>2</sup>
	95.01 lin. ft	28.96 lin. m
Approx. Weight	2 486 lbs	1 128 kg
Minimum radius	7 ft	2.1 m
Number of rows	8	
Coverage per row	3 ft <sup>2</sup>	0.28 m <sup>2</sup>
Linear coverage per row	11.88 lin. ft	3.62 lin. m

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

Chocolate Brown



Chestnut Brown



Mojave Beige\*



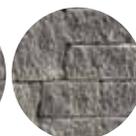
Sandlewood



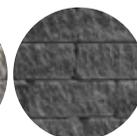
Champlain Grey



Shale Grey



Onyx Black

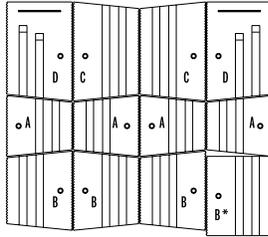




# MINI-CRETA 6"

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

## PALLET OVERVIEW



## COMPATIBLE CAPS

See page 109 for product compatibility.

## NOTES

When building a double-sided wall one pallet will cover an average of 27.21 ft<sup>2</sup>.

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

See page 105 to 125 for more technical information.

Specifications per pallet	Imperial	Metric
Cubing	<b>30 ft<sup>2</sup></b>	2.79 m <sup>2</sup>
	59.38 lin. ft	18.10 lin. m
Approx. Weight	3 192 lbs	1 448 kg
Minimum radius	7 ft	2.1 m
Number of row	5	
Coverage per row	6 ft <sup>2</sup>	0.56 m <sup>2</sup>
Linear coverage per row	11.88 lin. ft	3.62 lin. m

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

Chestnut Brown

Mojave Beige\*

Sandlewood

Champlain Grey

Shale Grey

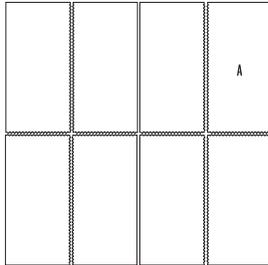




## PILLAR 24" MINI-CRETA

**DESCRIPTION:** Pillar **TEXTURE:** Aged with chiseled corners

### PALLET OVERVIEW



### COMPATIBLE CAPS

See page 109 for product compatibility.

### NOTES

See page 105 to 125 for more technical information.

\*Mojave beige is only available in Midwestern USA. See page 13 for list of Eastern and Midwestern States.

Specifications per pallet		Imperial	Metric
PILLAR 24" x 36"	Cubing	<b>48 units</b>	48 units
	Approx. Weight	1 537 lbs	697 kg
	Number of rows	6	
	Pillar height	35 $\frac{7}{16}$ in	900 mm

 	Unit dimensions		in	mm	Units/pallet
	Height	2 $\frac{15}{16}$	75	48 units	
	Depth	8	203		
	Length	16	406		

Specifications per pallet		Imperial	Metric
PILLAR 24" x 36"	Cubing	<b>24 units</b>	24 units
	Approx. Weight	1 510 lbs	685 kg
	Number of rows	3	
	Pillar height	35 $\frac{7}{16}$ in	900 mm

 	Unit dimensions		in	mm	Units/pallet
	Height	5 $\frac{7}{8}$	150	24 units	
	Depth	8	203		
	Length	16	406		

Chestnut Brown



Mojave Beige\*



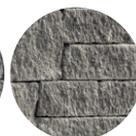
Sandlewood



Champlain Grey

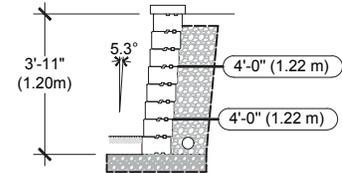
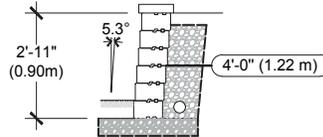
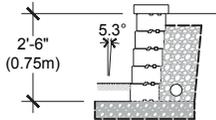


Shale Grey

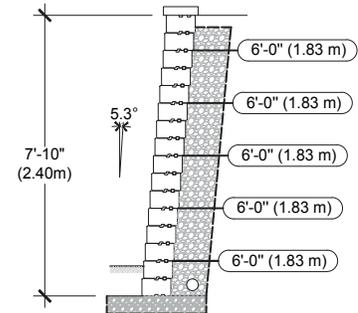
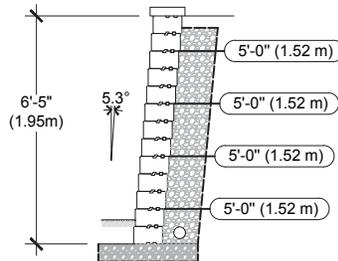
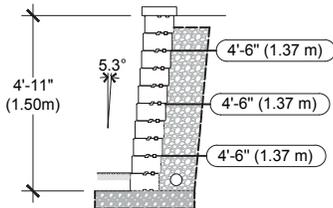


CLEAN SAND/GRAVEL/ SAND AND GRAVEL MIXES ( $\phi=34^\circ$ ,  $\gamma = 120$  pcf)  
GEOGRID: MIRAGRID 3XT BY TENCATE (RFd=1.10, RFcr=1.45, RFid=1.25, Cds=0.9, Ci=0.9)

**CASE N° 1 :**  
No Surcharge  
No Backslope  
No Toe Slope



VISIT [WWW.TECHO-BLOC.COM](http://WWW.TECHO-BLOC.COM) FOR COMPLETE DESIGN CHART DOCUMENT



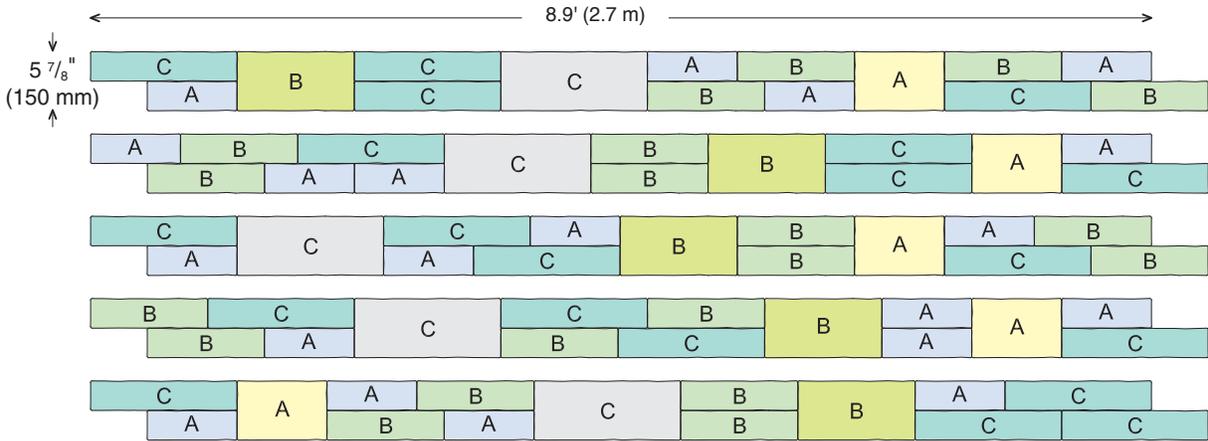
1. The information contained in the design charts is supplied for information purposes only and as such should only be used for preliminary designs.
2. The height (H) of the wall is the total height from the leveling pad to the top of the wall not including the thickness of the cap.
3. Soil parameters: reinforced soil ( $\phi = 34^\circ$ ,  $\gamma = 120$  pcf); retained soil ( $\phi = 34^\circ$ ,  $\gamma = 120$  pcf); foundation soil ( $\phi = 34^\circ$ ,  $\gamma = 120$  pcf)
4. A qualified engineer should be consulted for the final design to be used for construction.
5. The foundation soil must be able to support the wall system. The bearing capacity of the foundation soil, settlement, and global stability must be verified and validated by a qualified geotechnical engineer.
6. The seismic analysis is not included.
7. The design charts do not apply to tiered walls.
8. The charts assume that the walls are constructed in accordance with Techo-Bloc specifications, good construction practice and an adequate drainage system.
9. The geogrid layout has been optimized to satisfy the design requirements of the NCMA's Design Manual for Segmental Retaining Walls, 3rd Edition.
10. The minimum burial depth must be 6 in (150 mm) or 10% of the exposed height, whichever is greater.
11. Engineering judgement should be used when interpolating between heights.
12. Techo-Bloc and its predecessors, successors, beneficiaries, employees, associates, administrators and insurers accepts no liability for the incorrect use of information contained in the design charts.
13. For further information, please contact our technical service department.

# 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

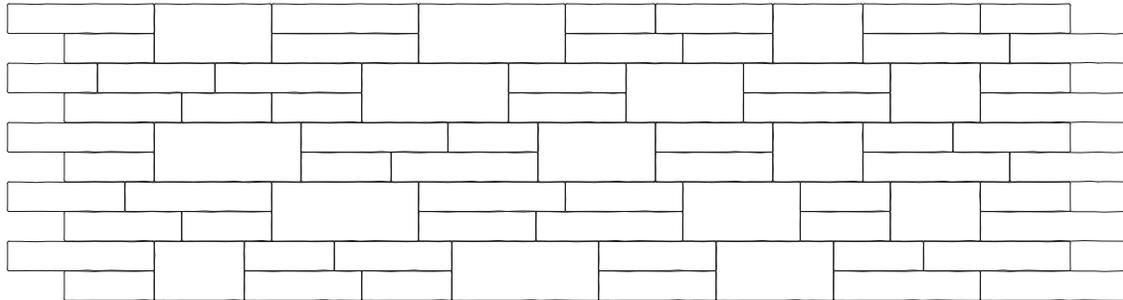
4

33% of the surface - Mini-Creta 6"

1

1

1

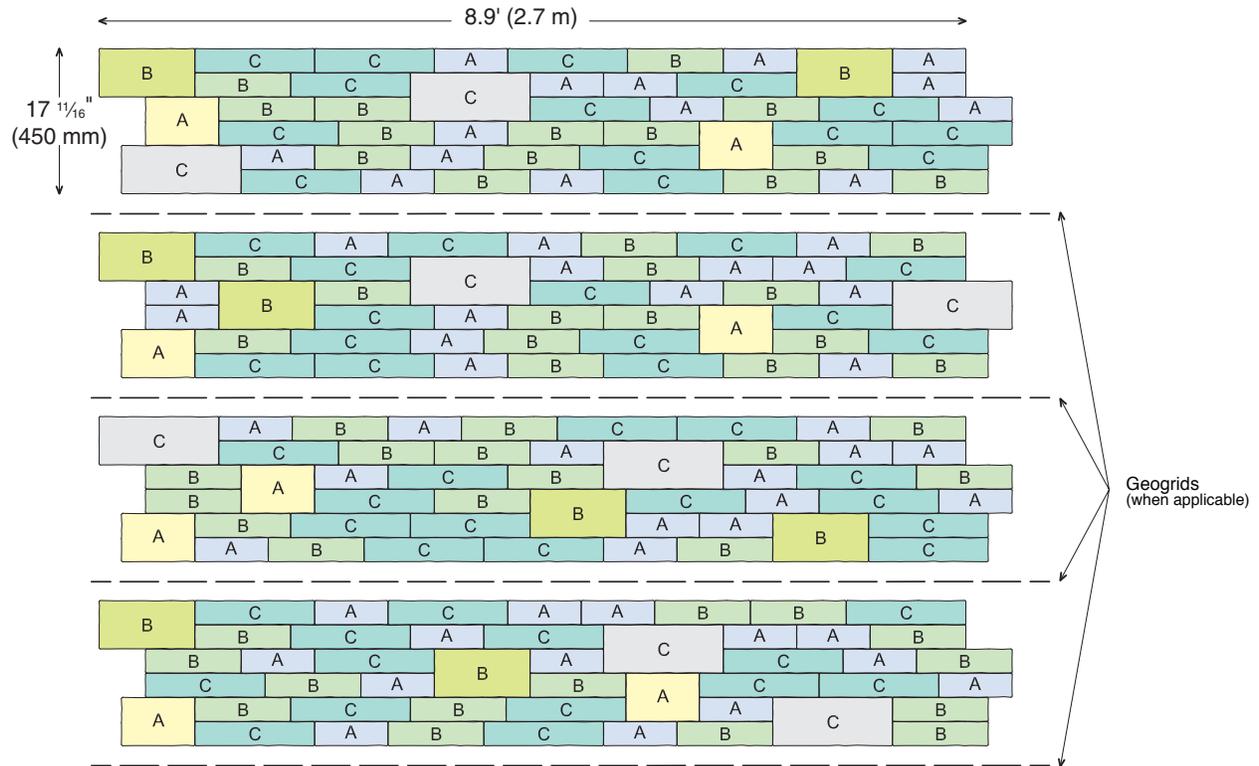


# INSTALLATION GUIDE

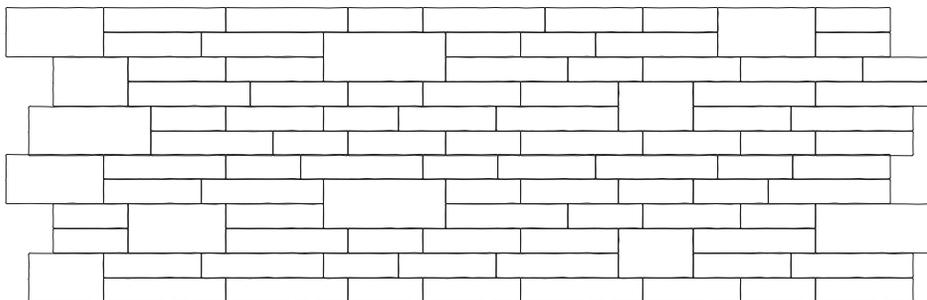
## RETAINING WALLS - MINI-CRETA 3" AND 6"

### 3-Row Pattern | Laying Patterns

The 3-row pattern provides four different combinations. Each combination is 8.9' (2.7 m) long and 17 1/16" (450 mm) high. This pattern gives a leveled surface every 17 1/16" (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		
	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

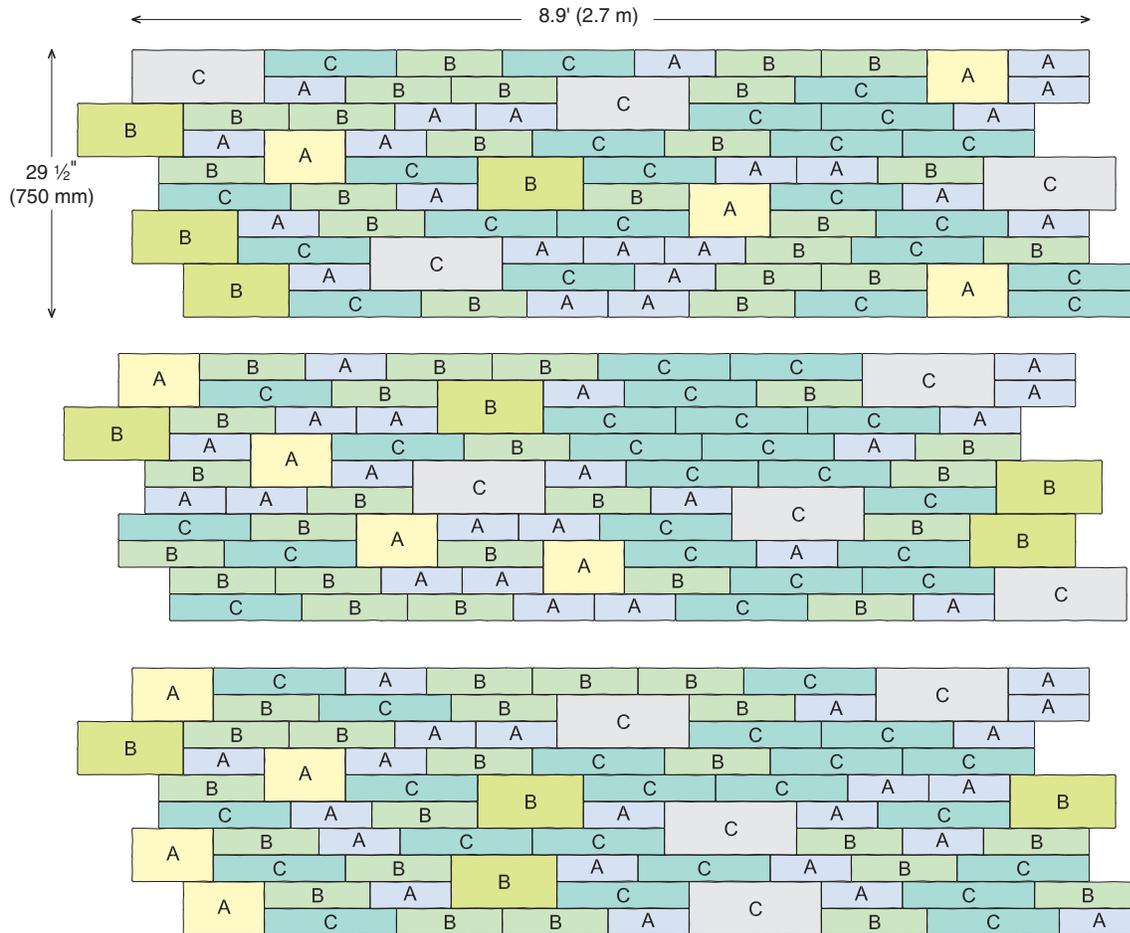


# INSTALLATION GUIDE

## 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 1/2" (750 mm) high. **This pattern should only be used when geogrid is not required.**



NUMBER OF BLOCKS REQUIRED

MODULE

**MINI-CRETA**

73% of the surface - Mini-Creta 3"

27% of the surface - Mini-Creta 6"

**A**

**B OR B\***

**C OR D**

22

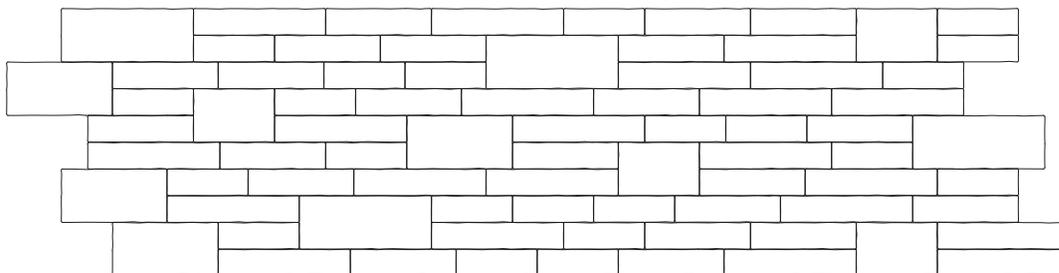
22

22

4

4

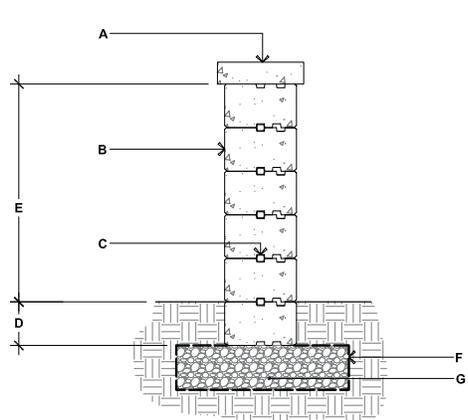
4



PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

# INSTALLATION GUIDE

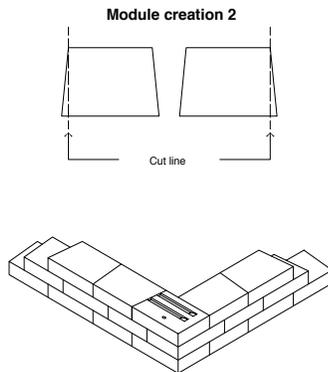
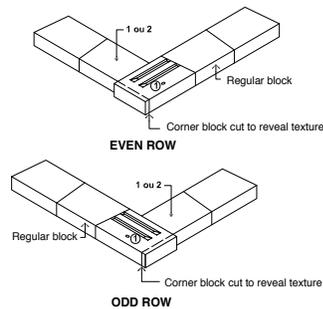
## FREESTANDING WALLS - MINI-CRETA 3" AND 6"



### MINI-CRETA 3" & 6"

- A.** TECO-BLOC CAP UNIT SECURED TO UNIT BELOW WITH CONCRETE ADHESIVE
- B.** MINI-CRETA 3" AND 6" DOUBLE-SIDED WALL UNITS SECURE EACH ROW WITH CONCRETE ADHESIVE
- C.** CONNECTOR
- D.** EMBEDMENT DEPTH, 6" (150 mm) MIN.
- E.** 29 7/16" (750 mm) MAX.
- F.** GEOTEXTILE
- G.** COMPACTED GRANULAR LEVELING PAD, 6" (150 mm) THICK MIN. THICKNESS ACCORDING TO PROJECT SPECIFIC CONDITIONS

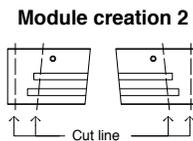
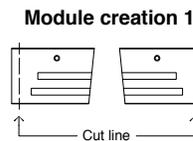
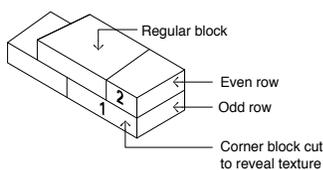
## 90° CORNER OF A DOUBLE-SIDED WALL



### 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.

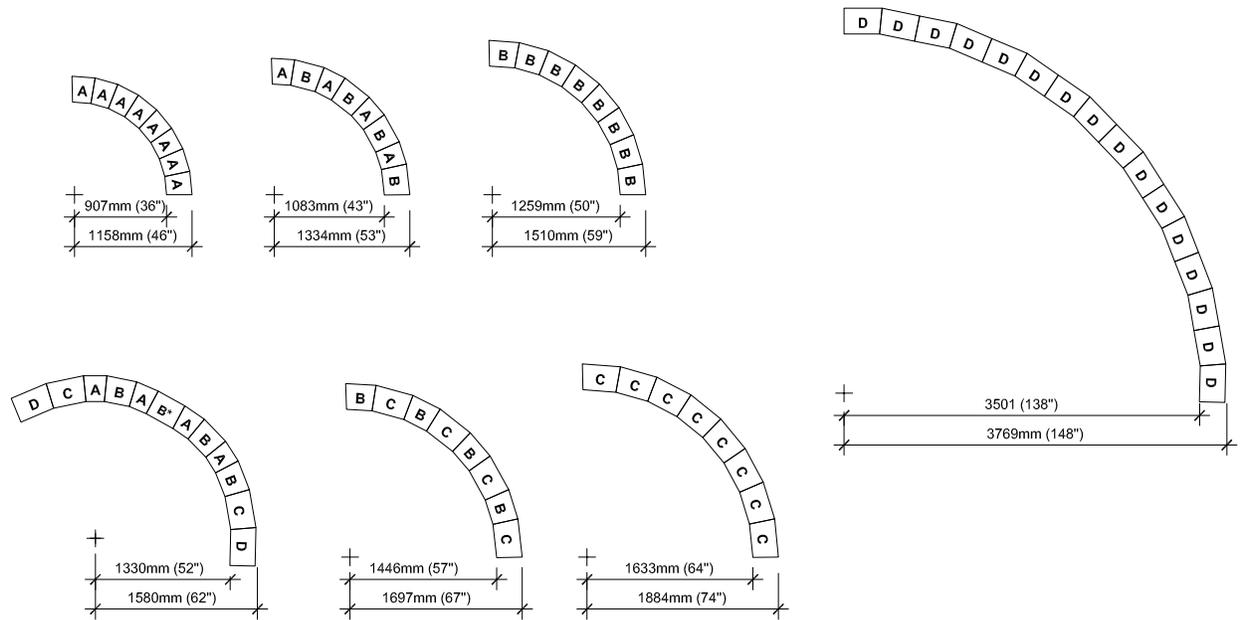
## DOUBLE-SIDED WALL - END OF A STRAIGHT WALL



\* 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.

# INSTALLATION GUIDE

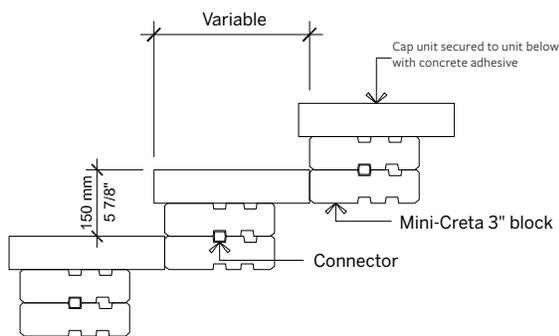
## DOUBLE-SIDED WALL RADIUS - MINI-CRETA 3" AND 6"



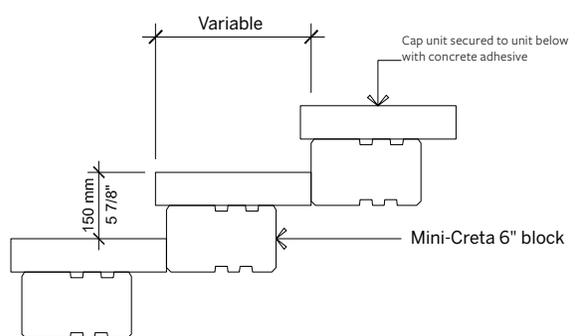
It is the user's responsibility to verify for the quantity of materials required.

### STEPS

#### MINI-CRETA 3"



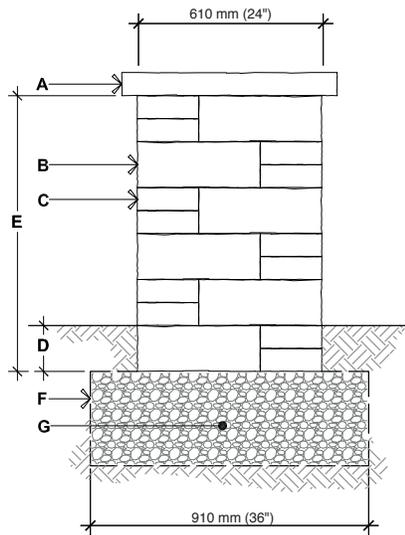
#### MINI-CRETA 6"



For all possible combinations of pillars and caps, please refer to the correspondence table on page 109

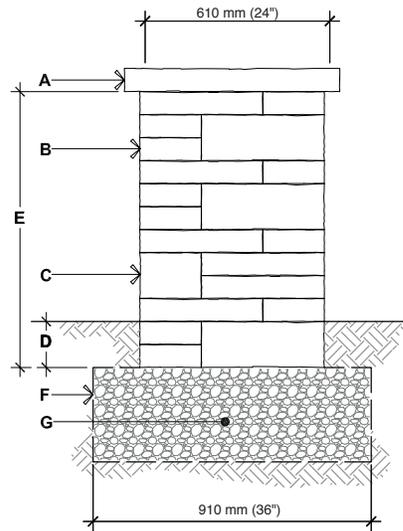
# INSTALLATION GUIDE

## PILLARS- MINI-CRETA 3" AND 6"



**PILLAR 24" x 3" & 24" x 6"**  
**MINI-CRETA - OPTION A**

- A.** PILLAR CAP UNIT  
(SECURE WITH CONCRETE ADHESIVE)
- B.** PILLAR 24" x 6" (MINI-CRETA) UNIT  
SECURE EACH ROW WITH CONCRETE ADHESIVE
- C.** PILLAR 24" x 3" (MINI-CRETA) UNIT  
SECURE EACH ROW WITH CONCRETE ADHESIVE
- D.** EMBEDMENT 6" (150 mm) MIN.
- E.** 35 <sup>7</sup>/<sub>16</sub>" (900 mm)  
47 <sup>1</sup>/<sub>4</sub>" (1200 mm), MAXIMUM HEIGHT
- F.** GEOTEXTILE
- G.** COMPACTED GRANULAR BASE 150 mm (6")  
THICK MIN. THICKNESS ACCORDING TO  
PROJECT SPECIFIC CONDITIONS



**PILLAR 24" x 3" & 24" x 6"**  
**MINI-CRETA - OPTION B**

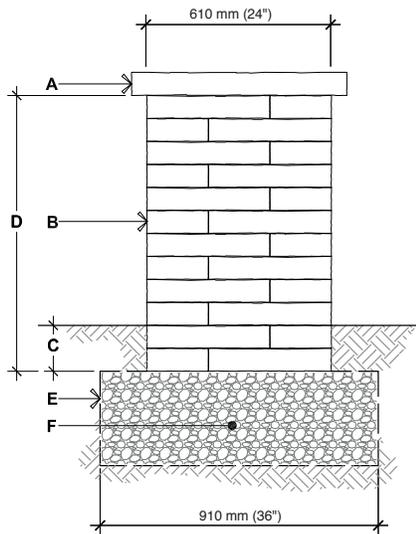
- A.** PILLAR CAP UNIT  
(SECURE WITH CONCRETE ADHESIVE)
- B.** PILLAR 24" x 3" (MINI-CRETA) UNIT  
SECURE EACH ROW WITH CONCRETE ADHESIVE
- C.** PILLAR 24" x 6" (MINI-CRETA) UNIT  
SECURE EACH ROW WITH CONCRETE ADHESIVE
- D.** EMBEDMENT 6" (150 mm) MIN.
- E.** 35 <sup>7</sup>/<sub>16</sub>" (900 mm)  
47 <sup>1</sup>/<sub>4</sub>" (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 109

PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

# INSTALLATION GUIDE

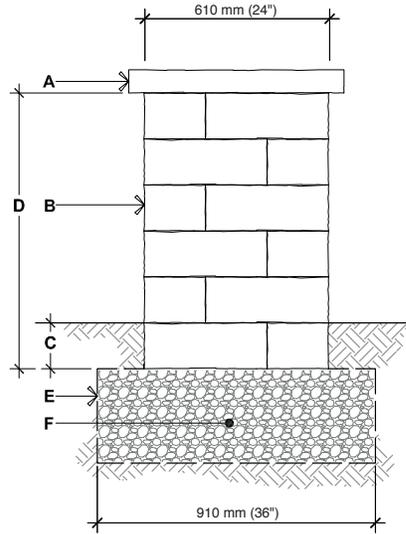
## PILLARS- MINI-CRETA 3" AND 6"



### 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 <sup>7</sup>/<sub>16</sub>" (900 mm), HEIGHT PER PALLET  
47 <sup>1</sup>/<sub>4</sub>" (1200 mm), MAXIMUM HEIGHT
- E. GEOTEXTILE
- F. COMPACTED GRANULAR BASE 150 mm (6")  
THICK MIN. THICKNESS ACCORDING TO  
PROJECT SPECIFIC CONDITIONS



### PILLAR 24"×6"

#### MINI-CRETA

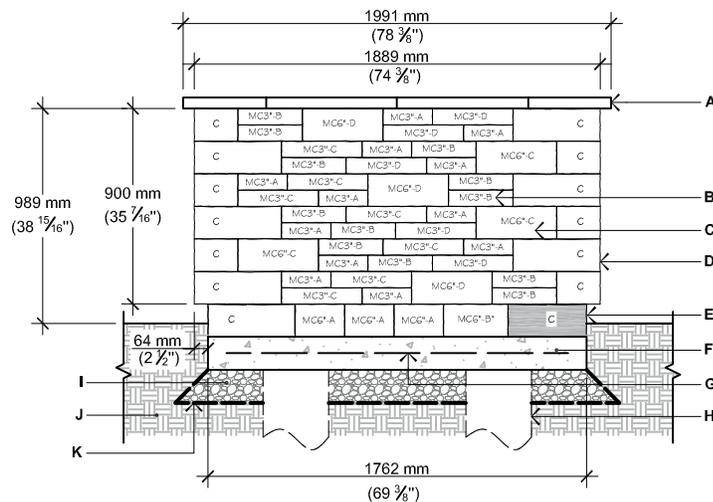
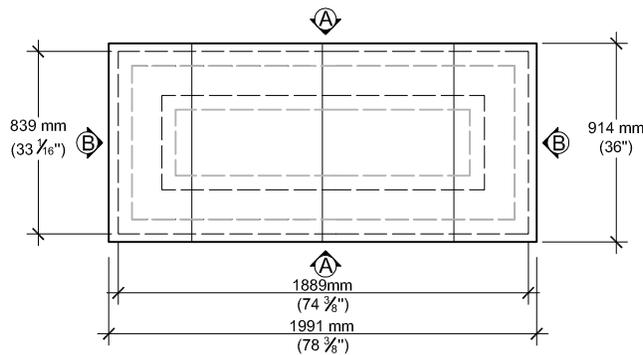
- A. PILLAR CAP UNIT  
(SECURE WITH CONCRETE ADHESIVE)
- B. PILLAR 24" × 6" (MINI-CRETA) UNIT SECURE  
EACH ROW WITH CONCRETE ADHESIVE
- C. EMBEDMENT 6" (150 mm) MIN.
- D. 35 <sup>7</sup>/<sub>16</sub>" (900 mm), HEIGHT PER PALLET  
47 <sup>1</sup>/<sub>4</sub>" (1200 mm), MAXIMUM HEIGHT
- E. GEOTEXTILE
- 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 109

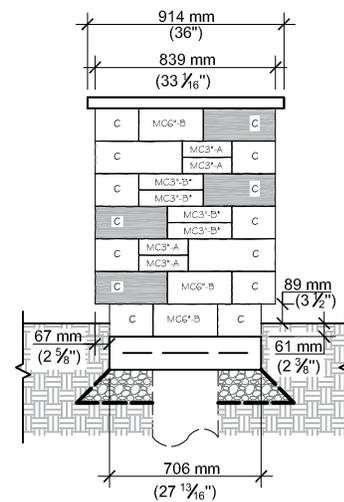
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

# INSTALLATION GUIDE

## GRILL ISLAND 6 FT - MINI-CRETA 3" AND 6"



ELEVATION A



ELEVATION B

- A. YORK COUNTER TOP 24" × 36" × 2 1/4"
- B. MINI-CRETA 3" UNIT (A, B, B\*, C, OR D)
- C. MINI-CRETA 6" UNIT (A, B, B\*, C, OR D)
- D. PILLAR 24" × 36" (MINI-CRETA) UNIT
- E. PILLAR 24" × 36" (MINI-CRETA) UNIT (CUT ON FIELD)
- F. CAST IN PLACE CONCRETE SLAB 4350 PSI (30 MPA), 5" (125 MM) THICK
- G. 4X4-4/4 (102X102-MW25.8XMW25.8) WELDED WIRE MESH AND/OR REBAR AS PER SITE CONDITIONS
- H. 12" (300 MM) DIA. CONCRETE PILLAR, AS PER LOCAL CODE
- I. 3/8" (20 MM) CLEAN STONE 6" (150 MM) THICK MIN. AS PER SITE CONDITIONS
- J. NATURAL SOIL OR COMPACTED BACKFILL
- K. GEOTEXTILE

### QUANTITY OF MATERIALS REQUIRED

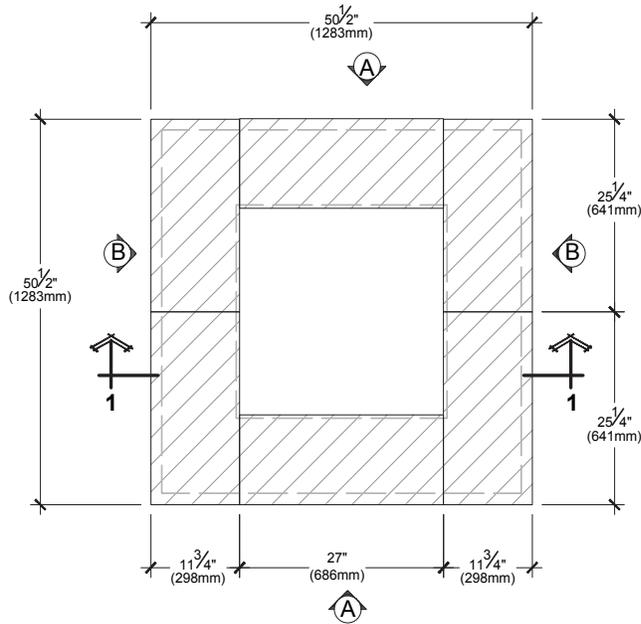
- York Counter top 24" × 36" × 2 1/4": **4**
- Mini-Creta 3" unit: **32 A, 24 B, 8 B\*, 14 C, 10 D**
- Mini-Creta 6" unit: **6 A, 6 B, 2 B\*, 6 C, 6 D**
- Pillar 24" × 6" (Mini-Creta) unit: **28**

**NOTE:** Appliances and utilities may vary for each project and are not shown on this drawing. This drawing is shown for inspiration only and surplus or shortage of materials may result. It is the user's responsibility to verify for the quantity of materials required. Secure the blocks using a heat resistant concrete adhesive. The installer must ensure that the installation and use of the grill island comply with local regulations and code requirements. Concrete pillars extending to frost line may be required as per local code. Check your local building code before installing.

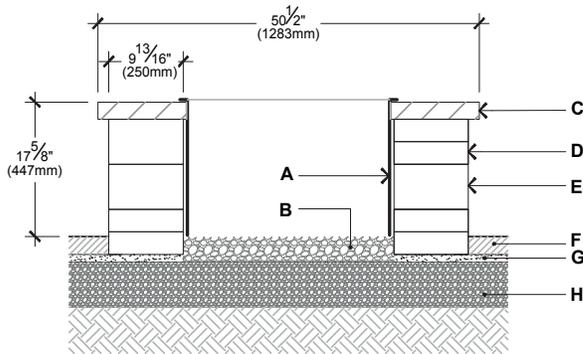
PLEASE REFER TO P.4 FOR THE CORRECT USE AND LIMITATIONS OF PROVIDED TECHNICAL INFORMATION.

# INSTALLATION GUIDE

## SQUARE FIRE PIT - MINI-CRETA 3" AND 6"

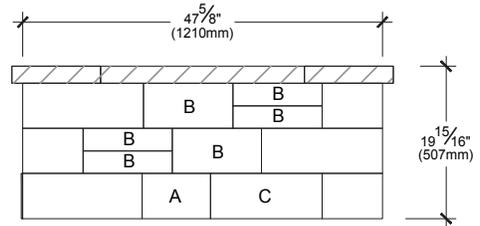


TOP

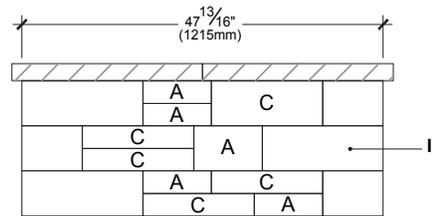


SECTION 1-1

- A. STEEL BOX INSERT
- B. CLEAN STONE 3/4" (20 mm), 4" (100 mm) THICK
- C. PIEDIMONTE CAP (12"X30")
- D. MINI-CRETA 3" BLOCK
- E. MINI-CRETA 6" BLOCK
- F. TECO-BLOC PAVERS OR SLABS
- G. SETTING BED 1" (25 mm)
- H. COMPACTED GRANULAR 0-3/4" (0-20 mm)
- I. PILLAR 24"X6" MINI-CRETA



ELEVATION A



ELEVATION B

 CUT ON FIELD

### QUANTITY OF MATERIALS REQUIRED

- Piedimonte Cap (12"x30") = 6
- Mini-Creta 3" (A) = 8
- Mini-Creta 3" (B or B\*) = 8
- Mini-Creta 3" (C or D) = 8
- Mini-Creta 6" (A) = 4
- Mini-Creta 6" (B or B\*) = 4
- Mini-Creta 6" (C or D) = 4
- Pillar 24"x6" Mini-Creta = 12

**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.