

Installation Guide



# ATLAS

hardscapes



naples



# naples

collection &  
Europa Pillars

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

Milan Set



## Milan Unit (large)

**Dimensions:**  
 Height: 7 1/2" (191 mm)  
 Width: front face 12" (305 mm) back face 10" (254 mm)  
 Depth: 9" (229 mm)

**Weight:** 52 lbs. (23.6 kg)



## Milan Unit (small)

**Dimensions:**  
 Height: 7 1/2" (191 mm)  
 Width: front face 7" (178 mm) back face 5" (127 mm)  
 Depth: 9" (229 mm)

**Weight:** 29 lbs. (13.2 kg)

Venice Set



## Venice Unit (large)

**Dimensions:**  
 Height: 3 3/4" (95 mm)  
 Width: front face 12" (305 mm) back face 10" (254 mm)  
 Depth: 9" (229 mm)

**Weight:** 25 lbs. (11.3 kg)



## Venice Unit (small)

**Dimensions:**  
 Height: 3 3/4" (95 mm)  
 Width: front face 7" (178 mm) back face 5" (127 mm)  
 Depth: 9" (229 mm)

**Weight:** 14 lbs. (6.4 kg)

Naples Cap Set



## Naples Cap Unit (large)

**Dimensions:**  
 Height: 3 3/4" (95 mm)  
 Width: front face 12" (305 mm) back face 10" (254 mm)  
 Depth: 10" (254 mm)

**Weight:** 32 lbs. (14.5 kg)



## Naples Cap Unit (small)

**Dimensions:**  
 Height: 3 3/4" (95 mm)  
 Width: front face 7" (178 mm) back face 5" (127 mm)  
 Depth: 10" (254 mm)

**Weight:** 17 lbs. (7.7 kg)



## Architectural Cap Unit

**Dimensions:**  
 Height: 2 1/2" (64 mm) at peak - 2" (51 mm) at edge  
 Width: 2' (610 mm)  
 Depth: 1' (305 mm)

**Weight:** 44 lbs. (20 kg)



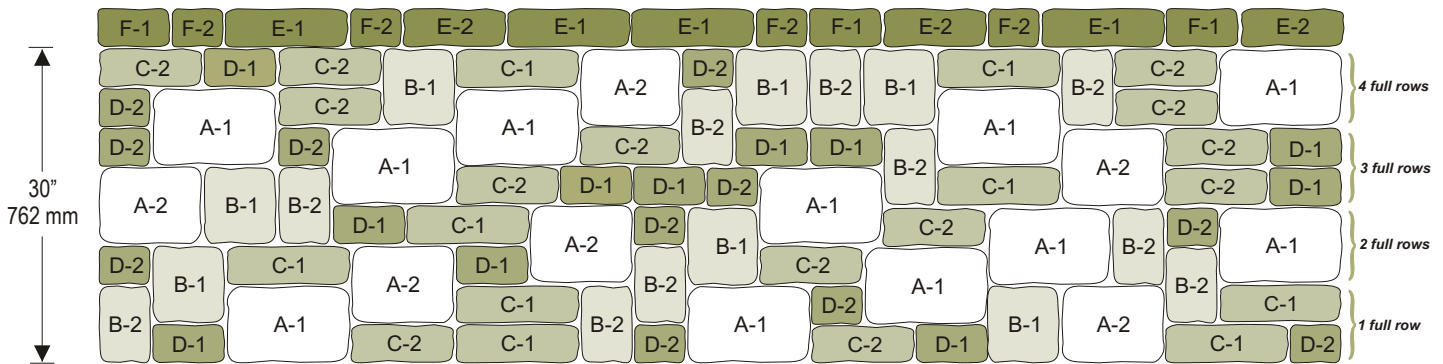
# Naples Coursing Charts

The coursing charts shown below can be used as a guide to get started with the layout of your wall. The designs shown can be expanded lengthwise.

Milan units (sold in pairs)		Venice units (sold in pairs)		Naples Caps (sold in pairs)	
front	back	front	back	front	back
A-1	A-2	C-1	C-2	E-1	E-2
B-1	B-2	D-1	D-2	F-1	F-2

Remember to avoid long vertical and horizontal lines. This will make your wall more aesthetically pleasing and it will add overall strength to the installation. Keep an eye on both sides of the wall when building as, due to the unit angle, long lines may appear on one side and not the other. The Naples Collection units are sold in pairs as shown above. Always try to use equal amounts of each units within the set as much as possible. The Naples Wall is recommended for walls up to 3' (914 mm).

## Sample random pattern: 4 full rows in height - (H) 30" (762 mm) x (L) 120" (3.1 m)

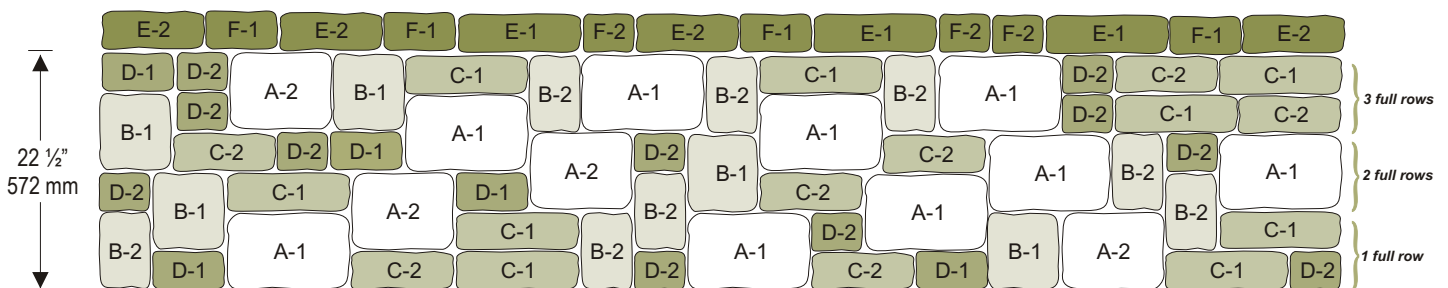


**Milan Units: A & B = 17 pairs**

**Venice Units: C & D = 22 pairs**

**Cap Units: E & F = 7 pairs**

## Sample random pattern: 3 full rows in height - (H) 22 1/2" (572 mm) x (L) 120" (3.1 m)

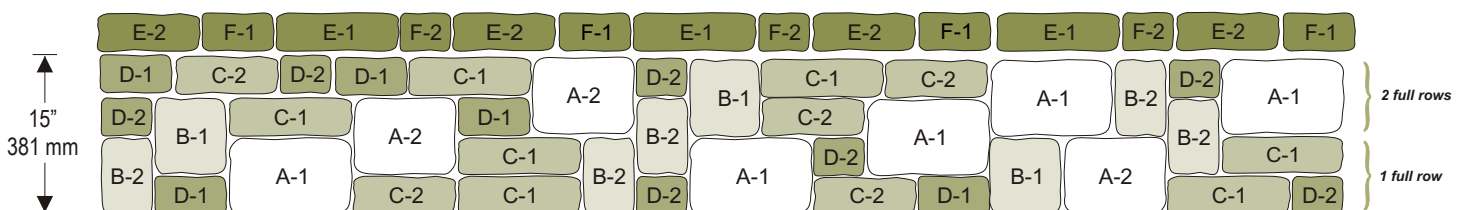


**Milan Units: A & B = 13 pairs**

**Venice Units: C & D = 16 pairs**

**Cap Units: E & F = 7 pairs**

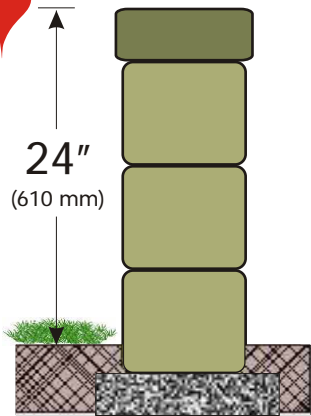
## Sample random pattern: 2 full rows in height - (H) 15" (381 mm) x (L) 120" (3.1 m)



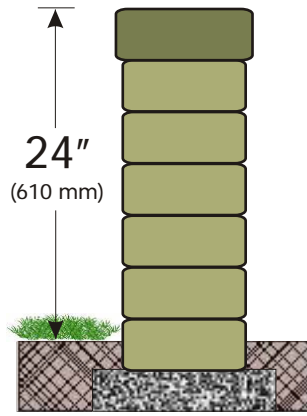
**Milan Units: A & B = 8 pairs**

**Venice Units: C & D = 12 pairs**

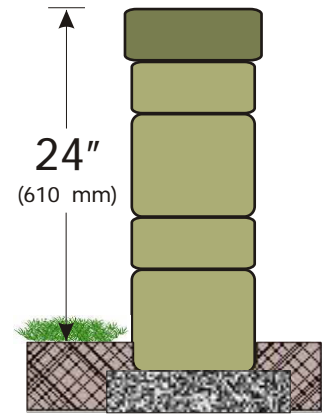
**Cap Units: E & F = 7 pairs**



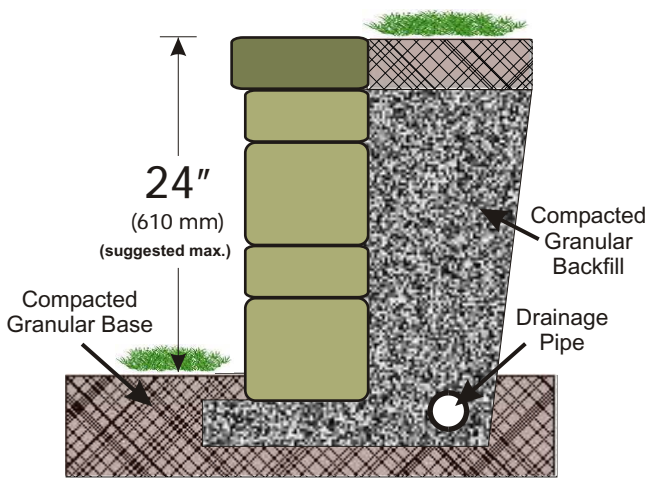
**MILAN Freestanding Wall**



**VENICE Freestanding Wall**



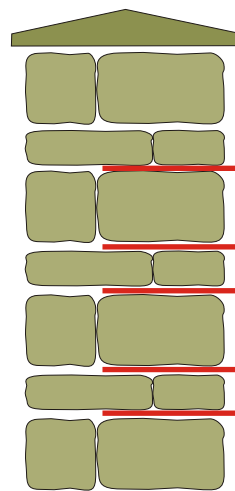
**NAPLES Freestanding Wall**



**NAPLES Retaining Wall**

Cap can be pulled forward for great overhang. Naples can be used in low retaining wall applications (up to 24" or 610 mm). Make sure proper compaction & drainage protocol is followed.

## Securing Pillars to Naples Collection Walls

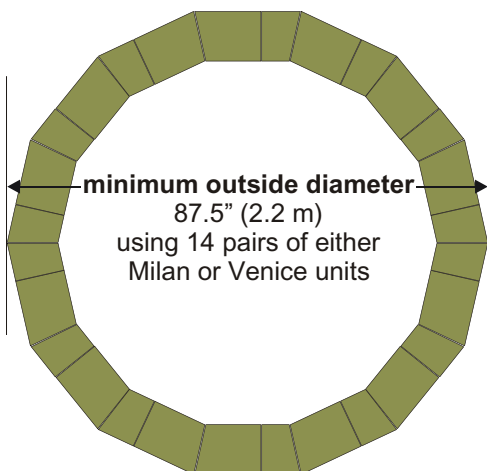


**Geo Textile**  
6" (152 mm) wide x length needed

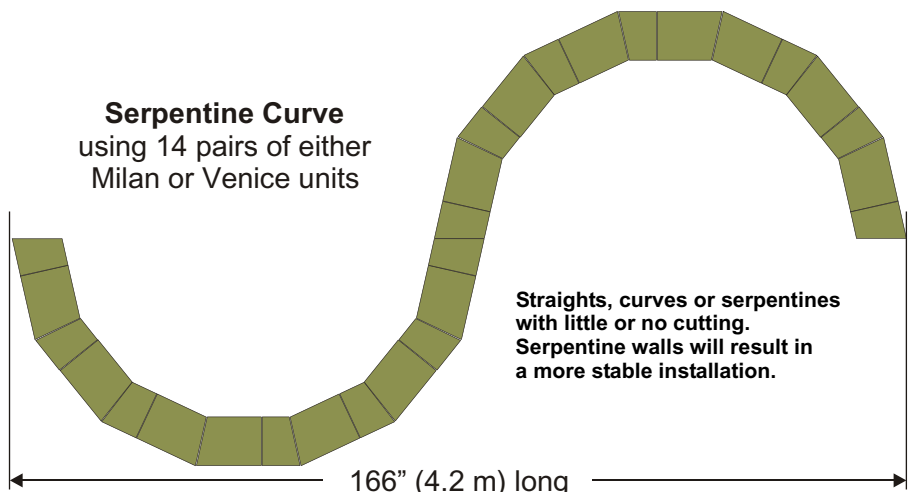
Geo Textile is recommended for walls over 24" (610 mm) and when the wall span between Pillars exceeds 7' (2.1 m). The Pillars evenly course out with the Naples Collection walls. The Geo Textile should be secured to the Naples Wall & to the Pillar with a concrete adhesive.

**Pillar**

**Naples Wall**



**Serpentine Curve**  
using 14 pairs of either Milan or Venice units



Straights, curves or serpentine walls with little or no cutting. Serpentine walls will result in a more stable installation.

The Naples wall system is designed to be used in combination with our Europa Pillars or an existing wall. Corners can be made by modifying the existing units if desired.

## 1. Planning the wall:

- a) Using a string line or garden hose, lay out your wall on the ground.

## 2. Base:

- a) Dig a trench 4 - 6" (102-152 mm) deep and 14" (356 mm) wide, then fill with a granular material.
- b) Compact the granular material to create a level base.
- c) Remember that it is essential that the base is level at this point as errors will multiply as each row is added.

## 3. Laying the first row:

- a) Place the first row down along the base using a combination of Milan & Venice units. Refer to the provided coursing chart on page 3 or create your own pattern.
- b) Check the level (both along the wall and from front to back) and adjust if necessary.
- c) **Tip:** leveling photo: use a spare Venice unit when leveling a dual level row to ensure that the lower row is level to the upper row. See (figure #1).
- d) Sweep any debris from the surface of the wall.
- e) Apply a landscape construction adhesive to the top surface in order to fasten the next row in place.

## 4. Additional Rows:

- a) Stack the next row of units in place.
- b) The design of each unit enables it to be used in four different positions. You can alternate front to back as well as (top to bottom). This unique feature gives you various design options whether you are building a straight or curved wall.
- c) As you build the wall make every effort to minimize long vertical and horizontal lines. This will make your wall more aesthetically pleasing as well as adding to the strength of the overall installation.
- d) Repeat steps (3b - 3d)

## 5. Capping the wall:

- a) The Naples cap units can also be used in four different positions. The cap units are 1" (25 mm) wider than the wall units, therefore to create an even overhang, center each cap unit on the wall.
- b) Our Architectural Cap Unit is also a cap option for this collection offering the perfect compliment to the Architectural Pillar Caps (see back cover).

figure #1





The instructions below can be used for either The Milan or Venice wall systems. Each wall system has two units that work in combination to build a wall with four face options. Refer to specifications on page 2 for specific unit information.

The Milan and Venice wall systems are designed to be used in combination with our Europa Pillars or an existing wall. Corners can be made by modifying the existing units if desired.

### 1. Planning the wall:

- a) Using a string line or garden hose, lay out your wall on the ground.

### 2. Base:

- a) Dig a trench 4 - 6" (102-152 mm) deep and 14" (356 mm) wide, then fill with a granular material.
- b) Compact the granular material to create a level base.
- c) Remember that it is essential that the base is level at this point, as errors will multiply as each row is added.

### 3. Laying the first row:

- a) Place the first row down along the base mixing the two units of either the Milan or Venice wall systems.
- b) Check the level (both along the wall and from front to back) and adjust if necessary.
- c) Sweep any debris from the surface of the wall.
- d) Apply a landscape construction adhesive to the top surface in order to fasten the next row in place.

### 4. Additional Rows:

- a) Stack the next row of units in place.
- b) The design of each unit enables it to be used in four different positions. You can alternate front to back as well as top to bottom. This unique feature gives you various design options whether you are building a straight or curved wall.
- c) As you build the wall make every effort to minimize long vertical or horizontal lines. This will make your wall more aesthetically pleasing as well as adding to the strength of the overall installation.
- d) Repeat steps (3b to 3d)

### 5. Capping the wall:

- a) The Naples cap units can also be used in four different positions. The cap units are 1" (25 mm) wider than the wall units, therefore to create an even overhang, center each cap unit on the wall.
- b) Our Architectural Coping is also a cap option for this collection offering the perfect compliment to the Architectural Pillar Caps (see back cover).

Note: all corners shown have a 0 degree setback and are available in lefts & rights.

Old World Tumbled

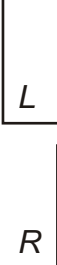


## Milan (Full Height) Europa Dover/Palermo Corner

### Dimensions:

Height: 7 1/2" (191 mm) at the back and 8 1/8" (206 mm) at the front including lip  
Width: 13 5/8" (346 mm)  
Depth: 7 5/8" (194 mm)

Weight: 50 lbs. (22.7 kg)



## Venice (Half Height) Europa Barcelona /Bordeaux Corner

### Dimensions:

Height: 3 3/4" (95 mm) at the back and 4 1/16" (103 mm) at the front including lip  
Width: 13 5/8" (346 mm)  
Depth: 7 5/8" (194 mm)

Weight: 27 lbs. (12.3 kg)

Classic Cut Stone

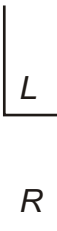


## Full Height Classic AB Classic Universal Corner

### Dimensions:

Height: 7 1/2" (191 mm) at the back and 8 1/8" (206 mm) at the front including lip  
Width: 13 5/8" (346 mm)  
Depth: 7 5/8" (194 mm)

Weight: 51 lbs. (23.1 kg)



## Half Height Classic AB Classic Lite Stones Corner

### Dimensions:

Height: 3 3/4" (95 mm) at the back and 4 3/8" (111 mm) at the front including lip  
Width: 13 5/8" (346 mm)  
Depth: 7 5/8" (194 mm)

Weight: 27 lbs. (12.3 kg)



## Architectural Pillar Cap (Pyramid)

### Dimensions:

Height: 4" (102 mm) at peak - 2" (51 mm) at edge  
Width: 2' (610 mm)  
Depth: 2' (610 mm)

Weight: 70 lbs. (31.8 kg)



## Architectural Pillar Cap (Flat Top)

### Dimensions:

Height: 3" (76 mm) at peak - 2" (51 mm) at edge  
Width: 2' (610 mm)  
Depth: 2' (610 mm)

Weight: 70 lbs. (31.8 kg)

Option # 1 Random Pattern



Tumbled



Classic

Made by mixing Full Height Europa Dover/Palermo and Barcelona/Bordeaux Half Height Corner Units on each row. See ordering chart on back cover.

Made by mixing Full Height AB Classic Universal Corners & Lite Stones Corner Units on each row. See ordering chart on back cover.

Option # 2 Alternating Random Pattern



Tumbled



Classic

Made by alternating Full Height Europa Dover/Palermo and Barcelona/Bordeaux Half Height Corner Units on each row. See ordering chart on back cover.

Made by alternating Full Height AB Classic Universal Corners & Lite Stones Corner Units on each row. See ordering chart on back cover.

## Option # 3 Milan Pattern or Classic Full Height Pattern



Tumbled



Classic

Made by using Full Height Europa Dover/Palermo Corner Units only. Alternate 2 Course Pattern by using 4 Right D/P Corners on 1st row then 4 Left D/P Corners on 2nd row or vice versa. Repeat to desired height then top with a pillar cap.

Made by using Full Height AB Classic Universal Corner Units only. Alternate 2 Course Pattern by using 4 Right Corners on 1st row then 4 Left Corners on 2nd row or vice versa. Repeat to desired height then top with a pillar cap.

## Option # 4 Venice Pattern or Classic Half Height Pattern



Tumbled



Classic

Made by using Half Height Europa Barcelona / Bordeaux Corner Units only. Alternate 2 Course Pattern by using 4 Right B/B Corners on 1st row then 4 Left B/B Corners on 2nd row or vice versa. Repeat to desired height then top with a pillar cap.

Made by using Half Height AB Classic Lite Stones Corner Units only. Alternate 2 Course Pattern by using 4 Right Lite Stones Corners on 1st row then 4 Left Lite Stones Corners on 2nd row or vice versa. Repeat to desired height then top with a pillar cap.

figure #1

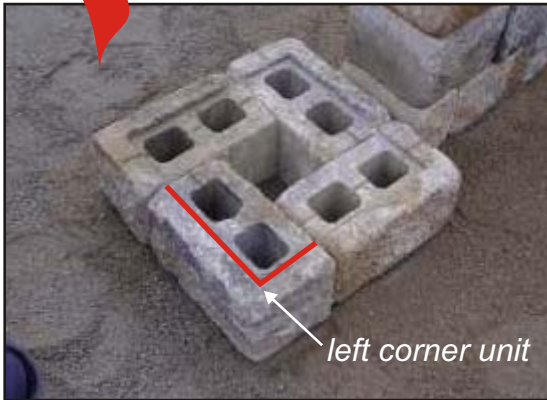


figure #2

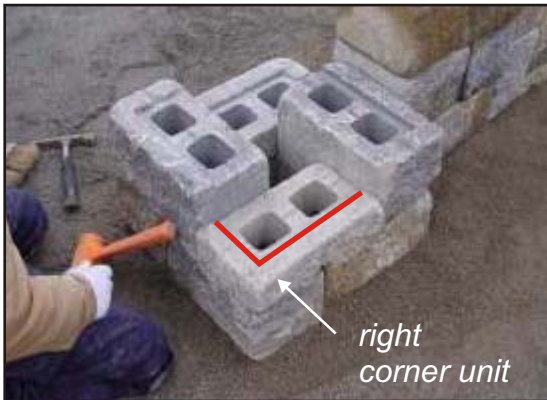
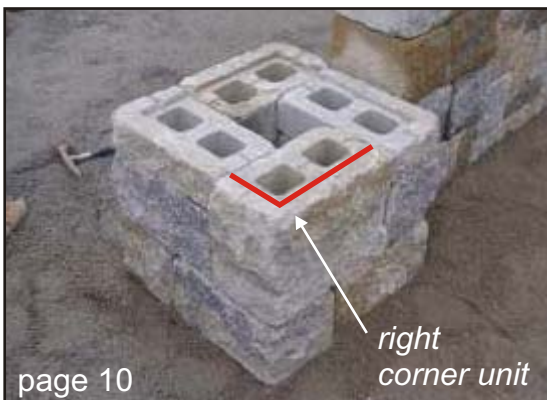


figure #3



figure #4



The instructions below are to be used for random pattern pillars. This pattern combines both the full height and half height corner units. Refer to our specifications on page 7 for specific unit information. If you intend on adding lighting to your pillar installation, remember to run the proper wiring through the ground first and build your pillar around it.

### 1. Base:

- a) Excavate an area of 30" x 30" x 16" (762 mm x 762 mm x 406 mm) in depth and fill in increments of 4" (102 mm) of granular at a time.
- b) Compact each 4" (102 mm) layer using a hand tamper and repeat until a 12" (305 mm) compacted base is achieved.
- c) Level the base in all directions and compact. Remember that it is essential that the base is level at this point as errors will multiply as each row is added.

### 2. Laying the first row:

- a) Place the first 4 (full height) left corner units down as shown in (figure #1).
- b) Check the level across the units, from front to back and diagonally. Adjust if necessary.
- c) Sweep any debris from the surface of the pillar.

### 3. Laying the second Row:

- a) Stack 2 (full height) right corner units and 2 (half height) right corner units down as shown in (figure #2).
- b) Repeat steps (2b & 2c)
- c) As you add each row check the level on the outside and inside of the pillar as shown in (figure #3).

### 4. Additional Rows:

- a) For the next row, stack 2 (full height) right corner units and 2 (half height) right corner units down as shown in (figure #4).
- b) Repeat steps (2b - 2c). Then stack 2 (full height) left & 2 (half height) left corner units down & repeat.
- d) It is important to alternate between the right and left corner units as each row is added. This creates an interlock at this level.

### 5. Capping the pillar:

- a) There are two cap options for Pillars, the Pyramid pillar cap and the Flat Top pillar cap.
- b) The Flat Top pillar cap is perfect for adding lighting or a finial to your project (see back cover).

Same height units on each row  
(Options # 3 & # 4, page 9 )

The instructions below can be used for pillars using either the full height or half height Europa corner units or AB Classic Full & Half Height Corner units on each row. For option #2, alternate between full and half height units on each row. Refer to our specifications on page 7 for specific unit information.

If you intend on adding lighting to your pillar installation, remember to run the proper wiring through the ground first and build your pillar around it.

## 1. Base:

- Excavate an area of 30" x 30" x 16" (762 mm x 762 mm x 406 mm) in depth and fill in increments of 4" (102 mm) of granular at a time.
- Compact each 4"(102 mm) layer using a hand tamper and repeat until a 12" (305 mm) compacted base is achieved. See (figure #1).
- Level the base in all directions and compact. Remember that it is essential that the base is level at this point as errors will multiply as each row is added.

## 2. Laying the first row:

- Place the first 4 right corner units down as shown in (figure #2).
- Check the level across the units, from front to back and diagonally. Adjust if necessary.
- Sweep any debris from the surface of the pillar.

## 3. Additional Rows:

- For the second row, stack 4 left corner units down as shown in (figure #3).
- Repeat steps (2b & 2c)
- As you add each row check the level on the outside and inside of the pillar.
- Also remember to alternate between the right and left corner units as each row is added.

## 4. Capping the pillar:

- There are two cap options for our Pillars, the Pyramid pillar cap and the Flat Top pillar cap.
- The Flat Top pillar cap is perfect for adding lighting or a finial to your project (see back cover).

figure #1



figure #2



figure #3

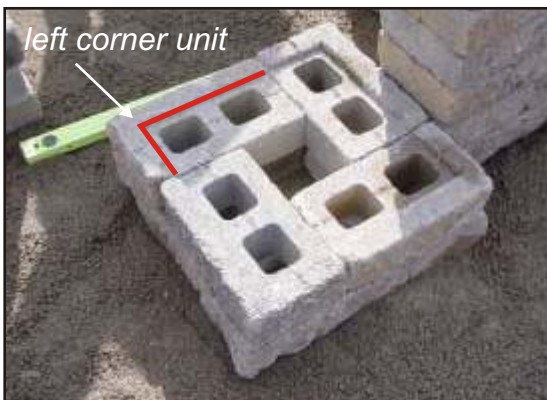


figure #4



# Pillar Ordering Charts (*Tumbled & Classic*)

See pages 8 & 9, Options 1-4

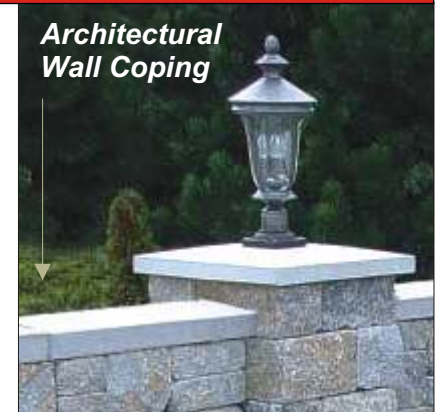
FH= Full Height (*Europa Dover/Palermo*) or (*AB Classic Universal*) Corners HH= Half Height (*Europa Barcelona/Bordeaux*) or (*AB Classic Lite Stones*) Corners  
**Note:** all Pillar measurements shown do not include the height of the front lip on the block or the Pillar Cap .

37 1/2" - 41 1/4" Pillar (953 mm - 1 m)		Total units (plus 1 Pillar Cap)	
Random Pattern	28	8 R FH, 4 R HH, 8 L FH & 8 L HH	<b>1st Row:</b> 4 R FH, <b>2nd Row:</b> 2 L FH & 2 L HH, <b>3rd Row:</b> 2 L FH & 2 L HH, <b>4th Row:</b> 2 R FH & 2 R HH, <b>5th Row:</b> 2 R FH & 2 R HH, <b>6th Row:</b> 2 L FH & 2 L HH, <b>7th Row:</b> 2 L FH & 2 L HH <i>Finished pillar 41 1/4" (1 m)</i>
Alternating Random Pattern	28	16 R FH & 12 L HH	<b>1st Row:</b> 4 R FH, <b>2nd Row:</b> 4 L HH <i>Repeat the 1st and 2nd Row until pillar reaches 41 1/4" (1 m)</i>
Full Height Pattern	20	(12 R & 8 L FH) or (8 R & 12 L FH)	<b>1st Row:</b> 4 R FH, <b>2nd Row:</b> 4 L FH <i>Repeat the 1st and 2nd Row until pillar reaches 37 1/2" (953 mm)</i>
Half Height Pattern	40	20 R & 20 L HH	<b>1st Row:</b> 4 R HH, <b>2nd Row:</b> 4 L HH <i>Repeat the 1st and 2nd Row until pillar reaches 37 1/2" (953 mm)</i>
52 1/2" Pillar (1.3 m)		Total units (plus 1 Pillar Cap)	
Random Pattern	36	12 R FH, 8 R HH, 8 L FH & 8 L HH	<b>Repeat Rows: 1-7 (41 1/4" (1 m) Random Pattern Pillar, shown above), 8th Row:</b> 2 R FH & 2 R HH, <b>9th Row:</b> 2 R FH & 2 R HH, <i>Finished Pillar 52 1/2" (1.3 m)</i>
Alternating Random Pattern	36	20 R FH & 16 L HH	<b>1st Row:</b> 4 R FH, <b>2nd Row:</b> 4 L HH <i>Repeat the 1st and 2nd Row until pillar reaches 52 1/2" (1.3 m)</i>
Full Height Pattern	28	(16 R & 12 L FH) or (12 R & 16 L FH)	<b>1st Row:</b> 4 R FH, <b>2nd Row:</b> 4 L FH <i>Repeat the 1st and 2nd Row until pillar reaches 52 1/2" (1.3 m)</i>
Half Height Pattern	56	28 R & 28 L HH	<b>1st Row:</b> 4 R HH, <b>2nd Row:</b> 4 L HH <i>Repeat the 1st and 2nd Row until pillar reaches 52 1/2" (1.3 m)</i>
60" - 63 3/4" Pillar (1.5 m - 1.6 m)		Total units (plus 1 Pillar Cap)	
Random Pattern	44	12 R FH, 8 R HH, 12 L FH & 12 L HH	<b>Repeat Rows: 1-9 (52 1/2" (1.3 m) Random Pattern Pillar, shown above), 10th Row:</b> 2 L FH & 2 L HH, <b>11th Row:</b> 2 L FH & 2 L HH <i>Finished Pillar 63 3/4" (1.6 m)</i>
Alternating Random Pattern	44	24 R FH & 20 L HH	<b>1st Row:</b> 4 R FH, <b>2nd Row:</b> 4 L HH <i>Repeat the 1st and 2nd Row until pillar reaches 63 3/4" (1.6 m)</i>
Full Height Pattern	32	16 R & 16 L FH	<b>1st Row:</b> 4 R FH, <b>2nd Row:</b> 4 L FH <i>Repeat the 1st and 2nd Row until pillar reaches 60" (1.5 m)</i>
Half Height Pattern	64	32 R & 32 L HH	<b>1st Row:</b> 4 R HH, <b>2nd Row:</b> 4 L HH <i>Repeat the 1st and 2nd Row until pillar reaches 60" (1.5 m)</i>

## Architectural Capping Options



Can also be capped with natural stone.



Midland  
1-800-461-4380

Orillia  
1-800-461-0208

Brockville  
1-800-665-0888 (ON & USA) or 1-800-363-3363 (QC)

USA  
1-800-458-1908