CELTIK® WALL

Retaining Wall

RESIDENTIAL	COMMERCIAL	STEPS	COLUMNS	FIREPIT	RETAINING WALLS	MAILBOX	FINISHES					
							SHOT BLAST	SHOT BLAST SEALED	GROUND FACE	GROUND FACE SEALED	SMOOTH	TUMBLED/ ANTIQUED
✓	✓	✓	✓	✓	✓	✓						

PRODUCT SPECIFICATIONS

Celtik Wall 90mm

3 1⁄2 x 6 3/4 x 9

3 1⁄2 x 10 1/4 x 9

3 1⁄2 x 13 3/4 x 9

3 1⁄2 x 17 1/4 x 9

Celtik Wall 135mm

5 1/4 x 6 3/4 x 9

5 1/4 x 10 1/4 x 9

5 1/4 x 13 3/4 x 9

5 1/4 x 17 1/4 x 9
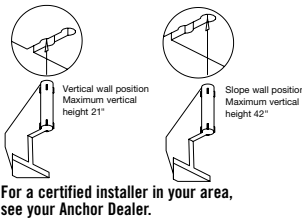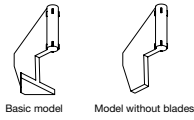
Cap

3 1⁄2 x 12 x 16

TOSCANA

VICTORIAN

BELLA

Each pallet of 90mm or 135mm makes one 29"x29' column at 4' high.

BELGARD

CELTIK PIN SYSTEM

The Celtik® Wall anchor pin has been designed to facilitate the construction of walls with a maximum height of 42". The special pin system has been designed to stabilize the overall structure and guide the installation of units. The dual-position system allows for the construction of vertical or 9°-sloped walls. Units are delivered with two different anchor pins: a regular pin with blades, and a second pin without blades, designed for the construction of corners.

NOTE: Pins for the different Celtik® units are inserted from underneath, as shown in the illustration below. This is why units are placed bottom up on the pallet.
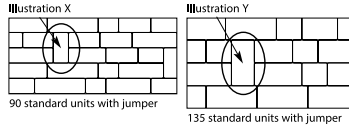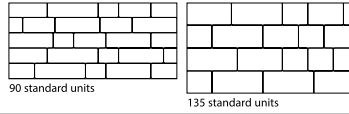
Vertical wall position
Maximum vertical height 21"

Slope wall position
Maximum vertical height 42"

Basic model   Model without blades

For a certified installer in your area, see your Anchor Dealer.

CELTIK® WALL CONSTRUCTION
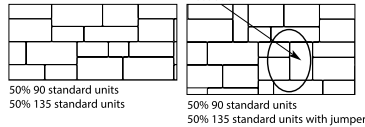
Select one of the following arrangements:
1. 90 standard units
2. 135 standard units
3. combination of 90 and 135 standard units

A. Installation of the first row: It is preferable to use the longest units for the first row, and lay them on the compacted foundation. It is important to carefully align the first-row units horizontally to ensure that the wall will be level. Even if the selected arrangement is a combination of 90 and 135 units, the first row must contain only one size (90 or 135). At this stage no pins are used.

B. Installation of following rows, walls of 90 or 135 standard units: Harmoniously lay units of following rows, not forgetting, however, to insert a pin in each unit before installation. First insert pins in units to be installed. Use appropriate grooves, depending on whether the wall is to be vertical or 9-sloped. Lay each row by overlapping joints of the last row installed.

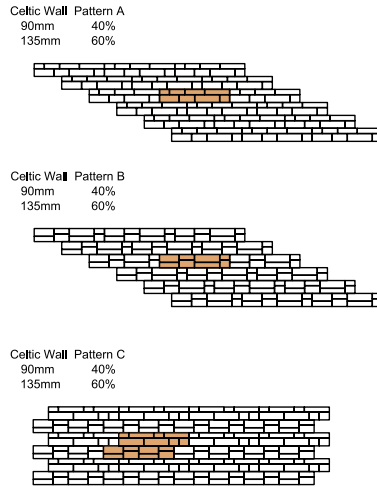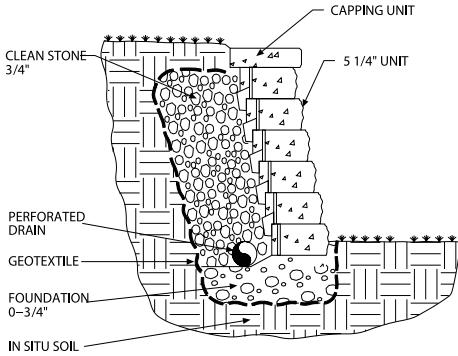90 standard units

135 standard units

Supplied radiuses may be used vertically to give a natural and original look to the layout. Two of those radiuses measure two rows high. Use a small radius (6 3/4") to match two 90 unit rows (see illustration X), and a medium radius (10 1/4") to cover two 135 unit rows (see illustration Y).

Illustration X

Illustration Y

90 standard units with jumper
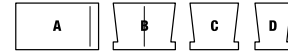
135 standard units with jumper

Combination of 90 and 135 standard units Carefully distribute different sizes of units to give a well-balanced, natural look to the layout (see opposite arrangement examples). To integrate vertical elements to the arrangement, split 17 1/4"-long units (90 or 135 high) in halves. A split half covers the total height of a 90 unit plus a 135 unit. (see illustration Z).

Illustration Z

50% 90 standard units
50% 135 standard units

50% 90 standard units
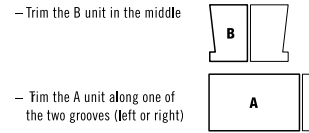50% 135 standard units with jumper

C. Back filling: Every two rows, fill the space behind units with 3/4" clean stone. Repeat steps B and C up to the desired height. NOTE: When combining 90 and 135 units, spaces may appear between some units in the structure.
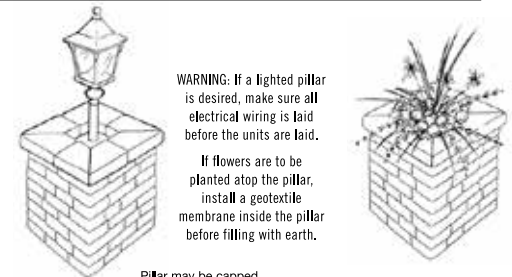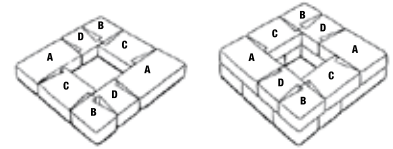
CAPPING UNIT

CLEAN STONE 3/4"

5 1/4" UNIT

PERFORATED DRAIN

GEOTEXTILE

FOUNDATION 0–3/4"

IN SITU SOIL

Celtic Wall Pattern A
90mm   40%
135mm   60%

Celtic Wall Pattern B
90mm   40%
135mm   60%

Celtic Wall Pattern C
90mm   40%
135mm   60%

To build a pillar minimizing joint alignment and better stability, be sure to follow the laying order for each step and by rows, as illustrated.

A   B   C   D

For the corners, cut a B and A units as illustrated:

– Trim the B unit in the middle

B

– Trim the A unit along one of the two grooves (left or right)

A

1. Installing the first row: Lay the first four units as illustrated (A, B, C and D), followed by the next four.

2. Installing the second, third and fourth rows: For each row, proceed as illustrated.
   Starting from the fifth row, lay as for the first row, followed by the next until the desired height is reached (see illustration).

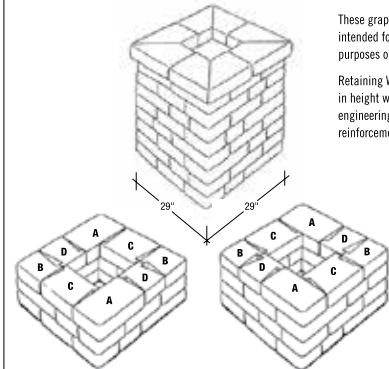3. Capping: Use Celtik straight capping units.

Step 1 (rows 1 and 5)   Step 2 (rows 2 and 6)

WARNING: If a lighted pillar is desired, make sure all electrical wiring is laid before the units are laid.

If flowers are to be planted atop the pillar, install a geotextile membrane inside the pillar before filling with earth.

Pillar may be capped using Celtik cutting capping units

These graphic representations are intended for preliminary design purposes only.

Retaining Walls over two (2) feet in height will require additional engineering including soil reinforcement or geogrid.

Step 3 (rows 3 and 7)   Step 4 (rows 4 and 8)

WALL PRODUCT NAME	SQFT/ PALLET	# OF LAYERS	PIECES/ PALLET	WEIGHT/PALLET (LBS)	UNIT HEIGHT	UNIT FRONT WIDTH	UNIT BACK WIDTH	UNIT DEPTH
CELTIK WALL 90mm								
3 9/16 x 6 7/8 x 8 7/8	-	-	28	-	3 9/16	6 7/8	-	8 7/8
3 9/16 x 10 7/16 x 8 7/8	-	-	28	-	3 9/16	10 7/16	-	8 7/8
3 9/16 x 13 9/16 x 8 7/8	-	-	28	-	3 9/16	13 9/16	-	8 7/8
3 9/16 x 17 1/8 x 8 7/8	-	-	28	-	3 9/16	17 1/8	-	8 7/8
Total	33	7	112	3056	N/A	N/A	-	N/A
CELTIK WALL 135mm								
5 5/16 x 6 7/8 x 8 7/8	-	-	20	-	5 5/16	6 7/8	-	8 7/8
5 5/16 x 10 7/16 x 8 7/8	-	-	20	-	5 5/16	10 7/16	-	8 7/8
5 5/16 x 13 9/16 x 8 7/8	-	-	20	-	5 5/16	13 9/16	-	8 7/8
5 5/16 x 17 1/8 x 8 7/8	-	-	20	-	5 5/16	17 1/8	-	8 7/8
Total	33	5	80	3325	N/A	N/A	-	N/A
CELTIK WALL CAP								
12 x 15 3/4 x 3 9/16	-	7	72	3795	3 9/16	15 3/4	-	12