

## Retaining Walls - Pisa Light®

Pisa Light® is a light weight segmental retaining wall intended for homeowners constructing planter boxes or low retaining walls.

### GENERAL DETAILS

The maximum exposed (above grade) height for a gravity wall is 675 mm (26.6"). This includes a 75 mm (2.95") cap and 4 exposed courses, and requires one additional buried course.

The minimum radius for curves (without cutting) is 2.4 metres (8ft).

### COLOURS

Stock colours include: Autumn Range, Blackwood Range, Granite, Laurentian Range, Robinson Range, Sandstone Range, Timmins Range.

### DIMENSIONS

#### STANDARD UNITS

Length: 200 mm (7.9")  
Height: 150 mm (5.9")  
Depth: 216 mm (8.5")



#### TAPER UNITS (no picture provided)

Length: 200 mm (7.9") at front, 188 mm (7.4") at back  
Height: 150 mm (5.9")  
Depth: 216 mm (8.5")

### ORDER INFORMATION

- Standard and Taper units are sold individually.
- For delivery, part cubes will be shrink wrapped.
- Details are provided in the following table.

	Standard Unit	Taper Unit
Sq.Ft. per Bundle	42.6	42.6
Stones per Sq.Ft.	3.1	3.1
Stones per Bundle	132	132
Ln.Ft. per Bundle	86.6	86.6
Weight per Bundle	3168 lb / 1440 kg	3036 lb / 1380 kg

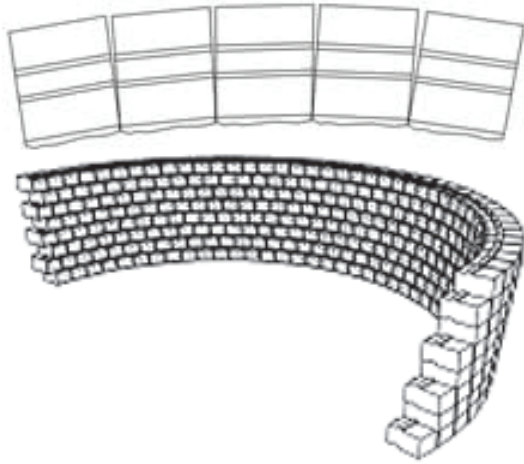
## ESTIMATING QUANTITIES

### Number of Units Required

Exposed Wall Height	Wall Length					
	10'	15'	20'	30'	40'	50'
Buried Course	15	23	30	45	60	75
6" - 1 course	30	46	60	90	120	150
12" - 2 course	45	69	90	135	180	225
18" - 3 course	60	92	120	180	240	300
24" - 4 course	75	115	150	225	300	375

## ADDITIONAL INSTALLATION INSTRUCTIONS

### Inside Curves



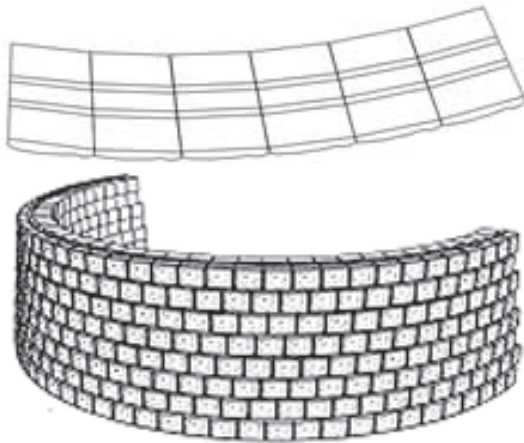
Standard units are typically used to construct inside curves. The front faces of the units are placed tightly together while small spaces are left between the back of the units.

The minimum inside radius is 2.4 m (8 ft). Smaller inside radii would require cutting.

The minimum radii would occur at the bottom row. The radius will increase 19mm (3/4") for each course added due to the wall's natural batter.

With curves, the joints begin to line up because of the natural batter- a cut (half) unit can be used to re-establish the running bond.

### Outside Curves



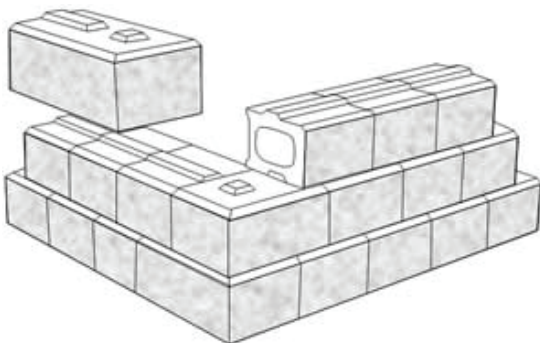
Taper units are used to construct outside curves. For smooth flowing curves, place all units tapered on the left side on one course, and all units tapered on the right side on the next course.

The minimum outside radius is 2.4 m (8 ft). Smaller outside radii would require cutting.

Because the radius decreases with each course, the minimum radius would occur at the top row. The radius of the bottom row needs to be adjusted 19mm (3/4") for each additional row constructed.

When laying all but the top row (if at the minimum radii), the front faces are placed tightly together while small spaces are left between the back of the units. The top row would then be placed flush from front to back of the unit.

### Outside Corners

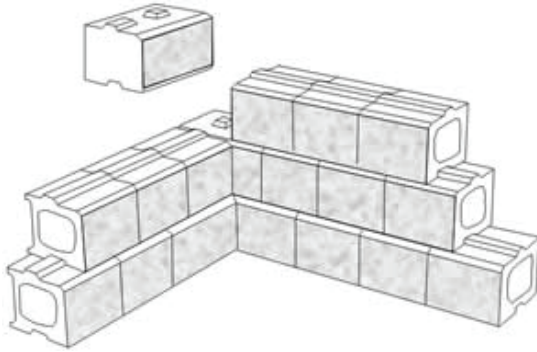


1st Course– Position corner unit so both rough faces will be exposed in the final construction.

2nd Course– Place a corner unit that faces the other direction on the next course to interlock the corner.

3rd Course– repeat 1st course. Continue pattern until desired height is achieved.

## Inside Corners

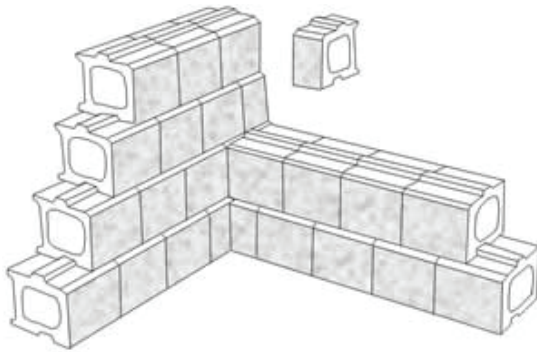


### Corner Unit Method

Place first Corner unit so small face will be hidden behind the final construction.

Place a corner unit from the other direction on the next course to interlock the corners.

Repeat the first course. Continue pattern until desired height is achieved.



### Half Unit Method

Complete three or four courses on one side of the corner.

End the wall using half units on every other course. Each course should extend 19mm (3/4") beyond the first course to match batter of adjacent wall.

Place units along the second wall using half units on alternate courses.