

STONEWALL[®] ORANA

Built to Welcome. Designed to Endure.

StoneWall[®]Orana is an outdoor living system used to create beautiful and durable hardscape features reminiscent of handcrafted stone. Orana provides a large variety of design options that allow the creation of a backyard retreat that will be the envy of the neighborhood.



Easily Create



Outdoor Kitchens



Fire Features



Fountains and Planters

Available Colors

See Local Manufacturer
For Color Options



Retaining Walls



Columns



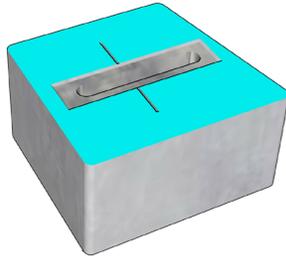
Free Standing Walls

And More

Unit Details



5/7" x 10.5" x 6"



10/12" x 10.5" x 6"

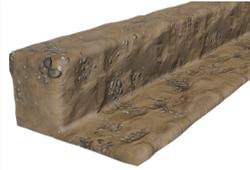


14/16" x 10.5" x 6"

Installation

1. Excavate the Base Trench*

Excavate trench 20" wide and 12" deep along the length of wall, assuring depth provides proper unit embedment. On sloped sites step up 6" to change elevation.



2. Prepare the Base Leveling Pad & Compact*

Place 6" of 3/4"-1/2" crushed aggregate in the trench. Level, then compact to 95% or greater of standard proctor.



3. Set & Align Base Course*

Starting at lowest elevation, ideally a corner, place and level the block using a string line and 2' level. Follow the suggested patterns as shown, or create your own. Make sure the recess next to the center core is placed top up. Place alignment plugs into the center core following the guidelines below.



Lay out the entire bottom course before proceeding to the next courses. Place perforated drain pipe onto leveling pad, behind base course (retaining wall) then backfill, 12" deep, to top of wall with crushed aggregate. Stack additional courses altering the pattern course to course. Repeat the steps to reach the desired wall.



4. 3-Way Alignment Plug (3WAP)*

After stacking the block course, place a 3WAP into the core of each unit, assuring that the flange on the plug rests within the recess adjacent to the core. Orient the plug to achieve your desired wall batter. Use the setback position for retaining walls to achieve a batter, the vertical position for bench walls, and the reveal position to occasionally highlight a unit.



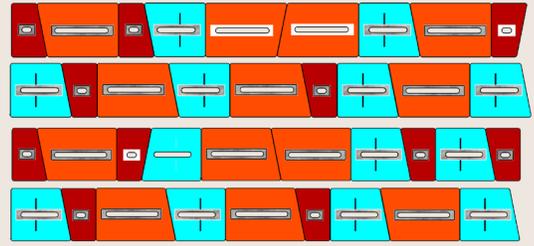
5. Capping the Wall*

Adhere clean and dry cap blocks to the wall using silicon concrete construction adhesive. Place cap flush to the wall face or with an overhang.



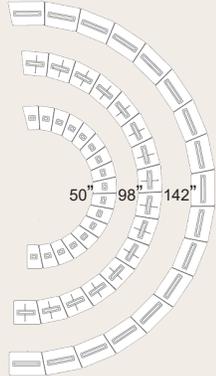
*The installation instructions and illustrations shown are a basic overview of the StoneWall® Orana installation. Because of the variety of applications, please refer to local building codes or visit us online at westblocksystems.com.

Wall Layout



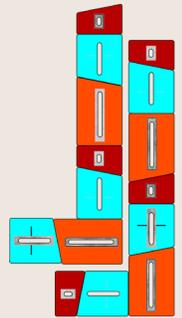
Planning For Curves and Radii

- Build the wall out from the corner.
- Determine the desired radius and then select the block combination that matches this radius.
- CONVEX curves show the WIDE FACE, CONCAVE corners show the SMALL FACE.
- As the wall panel approaches the curve, place the desired radius pattern at the end of the straight wall section.
- After completing the radius curve, return to the beginning of the desired wall panel pattern.
- NOTE: If building a wall with the 3WAP in the setback position, the radius of the corner will decrease 1" per vertical foot of wall, creating a lateral shift of the blocks on each course.



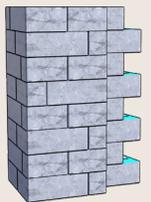
Corner Installation

- Place the square side of the unit at the tip of the corner.
- Build the wall panel section in either direction from that corner point.
- Alternate the square sided units on each course to assure that no vertical joints are



Column and Returns

- Column are created using the 16/14 and the 7/5 units, rotate the pattern each course to achieve a consistent joint offset, or vary the pattern as desired for a custom layout
- When returning from a column use the 12/10 units, use a concrete saw to cut along the imprinted score every-other course to create a new 7/5 unit



Proudly Offered By:



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