

## FREESTANDING WALL INSTALLATION

Redi-Rock free-standing wall blocks are finished on two or three sides and are used in applications where both sides of the wall are visible. They can be installed as “stand alone” walls, such as perimeter walls or fences. They can also be installed as top courses on a standard Redi-Rock retaining wall to provide a visual or structural barrier.

1. Start and end free-standing walls with straight blocks. (Three sided curved blocks are not available.)

2. Free-standing walls are installed with no batter.

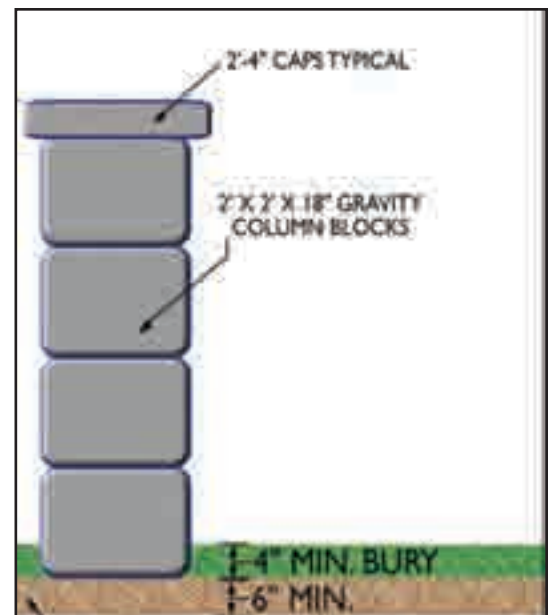
TIP: Standard Redi-Rock blocks have a 1 ¼” setback between courses. Free-standing blocks installed on retaining blocks with two setback options. If the retaining blocks have a 10” knob, the setback between the retaining block and the first free-standing block will be 2 ½”. If the retaining blocks have a 7 ½” knob, the setback between the retaining block and the first free-standing block will be 1 ¼”.

3. A 6 inch minimum leveling pad shall be installed per the instructions in the Leveling Pad details in the RETAINING WALL INSTALLATION Section.

4. Free-standing walls shall have a minimum of 6 inch bury at the base.

5. A wall constructed with all free-standing curved blocks will have a radius of 14’ 6”. A wall constructed with alternating straight and curved free-standing blocks will have a radius of 29’ 0”.

TIP: Pre-plan the construction of a free-standing wall on top of a curved retaining wall so that the top course of the retaining wall blocks has a 14’ 6” or 29’ 0” radius to insure a proper fit. If these radii are not possible, the freestanding blocks will need to be field cut as needed to fit. Ordering blocks constructed with the 4” x 12” end insert will aid in field cutting.



6. The maximum gap between free-standing blocks on curves or transitions shall not exceed  $\frac{1}{2}$ ". Gaps shall alternate every other course so they do not line up in adjacent courses.

7. Colored foam "Backer Rod" can be used to fill any gaps which may occur between the blocks when installing walls. Backer rods from  $\frac{5}{8}$ " to 1" diameter can be purchased from Ersco at 1-800-224-6048 or from Concrete Central at 616-475-8800.

8. Larger gaps due to variable radius walls shall be eliminated by field cutting the free-standing blocks. Plan all field cuts ahead to minimize the impact to the joint alignment between courses.



## Cap Installation

1. Mark the center of the free-standing blocks to monitor the correct bond beam spacing.

2. Place a minimum of two beads of construction adhesive on top of the free-standing block before setting the cap block. Use an adhesive that meets the requirements of ASTM D3498 and C557 and HUD/FHA Use of Materials Bulletin #60. An example is Titebond Heavy Duty Construction Adhesive by Franklin International (1-800-347-4583) or PL Premium Construction Adhesive ([www.stickwithpl.com](http://www.stickwithpl.com)). Mortar cement may also be used if desired.

3. Three sided caps shall be used on the end of walls. Two sided caps shall be used in the middle of walls. Caps may be saw cut as needed for proper alignment.

4. Joints between caps can be grouted after installation for a more finished look.



**TIP:** A Probst Quick Lift may be used for easier installation of cap blocks or free-standing top (flat) blocks.

