

# SINGLE SIDED CAST STONE WALL INSTALLATION GUIDE

## CALCULATE MATERIALS NEEDED

Refer to the Single Sided Cast Stone Wall Calculator.

## PREPARE THE FOOTING

Dig a trench 24" wide and a minimum of 12" below grade. Make sure the soil at the bottom of the trench is well compacted to prevent settling. In heavy or clay soils for best results, wrap the footer trench in a "U" shape configuration with geotextile. This will preserve the stone base over time and keep it from migrating into the clay soil. Using a vibratory plate compactor install 6" of modified stone in two 3" layers making sure the surface of the last layer is smooth and level. Tip: Add a uniform 1" layer of sand or stone screenings on top of the footing to make the base course easier to level.

## INSTALL THE BASE COURSE USING TERRACE WALL™

Install Terrace Wall as the base course by placing the units, lip side up, on the prepared base.

Level the Terrace Wall base course units from front to back and side-to-side using a dead blow hammer and level. Use a string line along the back of the block to verify straightness.

Note: Core fill all units with #57 (1-1/4", 3/4" and 1/2") or #67 (3/4") clean stone. Crushed or recycled concrete is NOT suitable for this purpose.

## BACKFILL THE UNITS

Backfill at least 12" behind each layer of Cast Stone Wall with #57 (1-1/4", 3/4" and 1/2") or #67 (3/4") clean stone (for drainage) with soil behind the drainage stone. All disturbed areas behind the units must be filled and compacted. Tip: One ton of 3/4" clean stone will core fill and backfill about 21 Cast Stone Wall blocks.

## INSTALLING ADDITIONAL COURSES

Place the next and additional courses of Cast Stone Wall in such a fashion that each block bridges two units below in a running bond pattern. Cast Stone Wall is intended to be built as a vertical wall system. Use a level against the back of the blocks to determine vertical alignment from course to course. Use a high strength, flexible concrete adhesive to bond every course to the one below including the Terrace Wall base course. EP Henry recommends the use of Techniseal Structure Bond Adhesive. Backfill each course as the wall is being built and fill the block cores with #57 (1-1/4", 3/4" and 1/2") or #67 (3/4") clean stone.

## CAP THE WALL

Cut caps with a diamond blade saw to fit, as needed. Attach the wall cap block with a high strength, flexible concrete adhesive.

## ADDITIONAL TIPS: BUILDING 90° CORNERS

Full Face and Random Face 8"x6"x16" units with a finished end are available for 90° corners.

## CONSTRUCTING CURVED OR SERPENTINE WALLS

The tapered shape of Cast Stone Wall makes it easy to create curved walls without any additional work.

## CONSTRUCTING STEPS

Attractive steps, in either straight or semi-circular designs, are easy to build with Cast Stone Wall units. The block units are used for the risers, with the block caps or another material, such as Bullnose Pavers, used for the tread. Use the Step Filler block in step applications where the product will not be visible.

NOTE: THESE INSTRUCTIONS ARE MEANT AS A GENERAL GUIDELINE FOR WALLS UNDER IDEAL CONDITIONS, AND ASSUMING NO SLOPES OR SURCHARGES. SITE-SPECIFIC CONDITIONS MAY WARRANT ADDITIONAL INSTALLATION REQUIREMENTS.

## SINGLE SIDED CAST STONE WALL CALCULATOR

		WALL LENGTH														
		1'4"	2'8"	4'0"	5'4"	6'8"	8'0"	9'4"	10'8"	12'0"	13'4"	14'8"	16'0"	17'4"	18'8"	20'0"
WALL HEIGHT	6"	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	1'0"	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30
	1'6"	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45
	2'0"	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60
	2'6"	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75
	3'0"	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90
	CAPS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Maximum unreinforced wall height is 30" (5 courses).

Stretcher Unit Size: 12"Dx6"Hx16"W Weight: Approx. 50 lbs.

Corner Unit Size: 8"Dx6"Hx16"W Weight: Approx. 34 lbs.

14" Double Sided Devonstone Cap: 36" x 14" x 2" Weight: 80 lbs.