









Create columns, seat walls, edging and more...



One block does it all and requires no cutting!



Tango[®] Lawn-and-Garden Project Block

Enhance your outdoor entry and living spaces with this amazingly versatile lawn-and-garden project block. Let your imagination run free! With this unique T-shaped block you can create columns, seat and freestanding walls, battered or vertical retaining walls, planters, edging and more! For inspiration check out the ideas in this guide and view videos online. Then use the installation information included in this book to efficiently build your project.

See how easily the Tango lawn-and-garden project block can transform your yard.

Inspiration

Seat and Freestanding Walls

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Installation Videos

Scan the QR code with your mobile device here to see the full play list or visit us at: http://bitly.com/Tangoplaylist



Product Overview

Approximate dimensions* Minimum dimensions	4"H x 12"W x 6"D 3.93"H x 11.7"W x 5.54"D
Approximate weight*	16 lbs.
Coverage**	0.31 sq. ft.
System batter (battered wall)	10.6°
System batter (vertical wall)	O°
Minimum outside radius†	7'
Minimum inside radius†	4′
Maximum retaining gravity wall height	‡ Battered: 2' Vertical: 1'4"
Maximum seat wall height‡	Curved: 2' Straight: 2'
Maximum column height‡	4'

- Actual dimensions and weights may vary from these approximate values due to variations in manufacturing processes. The minimum dimensions are smallest possible due to these variations.
- ** Based on front face of block.
- [†] Minimum radius without cutting.
- * Maximum heights that can be safely built without geosynthetic reinforcement, including the buried course, but excluding the cap. Maximum gravity wall heights assume no slope below or above the wall; no surcharge loads (e.g., driveway, parking pad, pool); and all replaced soil is well compacted.

Score line 6.125"W 12"W Textured end

Block shown with score line side up and textured end

Block Available Colors:



Granite



Mocha



Sahara

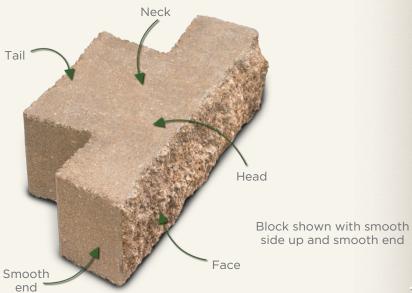
Cap Available Colors:



Aux Vases



Pewter Mist



Straight Seat Wall

The design of the Tango® project block allows for nested installation to surround a backyard patio, enhance a front yard courtyard, and provide seating. For nested installation example, see non-capped wall on page 5.

Design Parameters

- Wall depth: 9" without cap
- Maximum height, including buried course but excluding the cap: 2'
- Recommended seating height: 1'7" to 1'11"

For estimating and installation see pages 20-22.





Cap Ideas

- ShortCut® caps (shown above)
- Add a row of pavers between wall blocks and caps for color and/or texture accent (shown above)
- Cap and accent options vary by market



Seat Wall Corner

Projects with a 90-degree corner are a breeze. Ideal for enclosing a patio area or defining a space.

Design Parameters

- Wall depth: 9" without cap
- Maximum height, including buried course but excluding the cap: 2'
- Recommended seating height: 1'7" to 1'11"





Seat Wall Finished End

Show off the clean lines at the end of a seat or freestanding wall, or abut next to a structure, such as a house or a column. This is perfect for smaller spaces.



- ShortCut® caps (shown on page 6)
- Add texture or color contrast with pavers or patio stones (see photos on page 8)
- Cap and accent options vary by market



Curved Seat Wall

Some landscapes lend themselves to a curved seat wall. This more sophisticated tail-to-tail design and installation project creates a softened, intimate space. Add a column or two for visual impact. For tail-to-tail installation example, see non-capped wall on page 9.

Design Parameters

- Wall depth: 1' without cap
- Maximum height, including buried course but excluding the cap: 2'
- Recommended seating height: 1'7" to 1'11"

For estimating and installation see pages 20-22.

Design Tip

Curved seat walls can be abutted next to a structure, such as a house, or a standalone element flanked by column(s).





Column

10

Columns make statements and add visual interest besides being functional. Build columns in just minutes to enhance an entryway or showcase potted

plants; add ambience by including light fixtures.

Design Parameters

- Column footprint: 1'3" x 1'3" without cap
- Maximum height, including buried course but excluding the cap: 4'
- Hollow core provides space for wiring electricity or mounting post: approximately 3" x 3"

For estimating and installation see page 23.

Design Tip Build column 1-2 courses higher than wall.

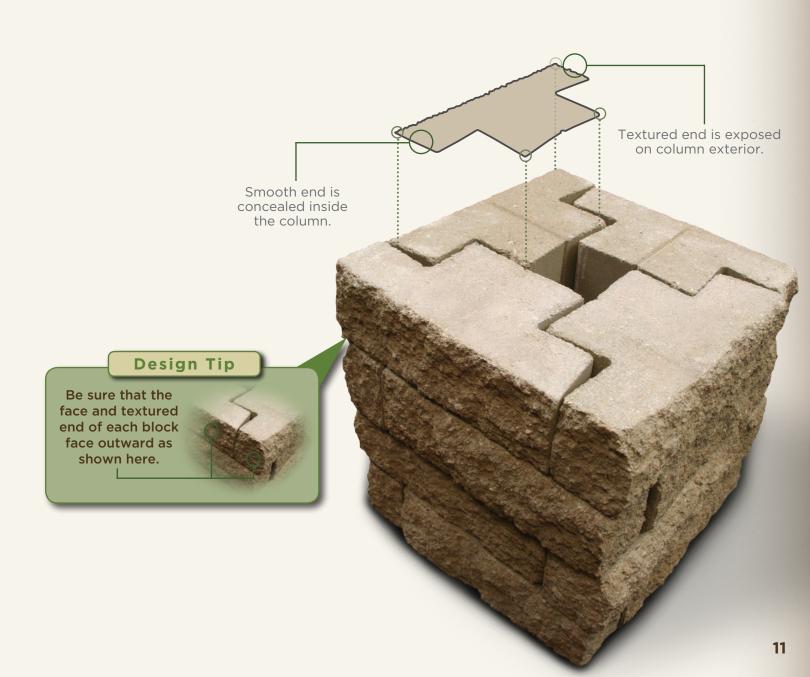


Column Cap Ideas

• 18" x 18" natural stone

Other cap ideas (not shown):

- Poured concrete top
- Glass block
- Granite



Battered Retaining Wall

A wall built to retain soil is known as a retaining wall. A battered wall has the blocks set back on each course to improve the wall stability.

Design Parameters

 Maximum battered height, including buried course but excluding the cap: 2'

For cross-section details, estimating and installation see pages 24-25.



Cap Ideas

- Anchor™ small cap (shown above)
- Match or contrast the wall's color and texture
- Cap and accent options vary by market



Vertical Retaining Wall

A wall built to retain soil is known as a retaining wall. A vertical wall has the blocks stacked vertically on each course to maximize use of space for lawn, garden or other plantings.

Design Parameters

• Maximum vertical height, including buried course but excluding the cap: 1'4"

For estimating and installation, see pages 24-25.



- Pavers; fill gaps with mortar
- Anchor[™] small cap (shown below)
- Match or contrast the wall's color and texture
- Cap and accent options vary by market



Planter

Small vertical retaining wall projects are ideal for herb, floral or vegetable gardens.

Design Parameters

 Maximum vertical height, including buried course but excluding the cap: 1'4"

For cross-section details, estimating and installation see pages 24-25.



Cap Ideas

- Anchor[™] small cap (shown below)
- Match or contrast the wall's color and texture
- Cap and accent options vary by market



Edging

This versatile block can also be used in multiple ways to create garden and project edging. Edgers provide landscape detail and keep mulch, soil and weeds from entering your garden or landscape area.

For estimating, installation and design options, see pages 26-27.



Project Preparation and Tips

Advance planning and careful layout at the job site help ensure successful projects. Read all instructions prior to installation.

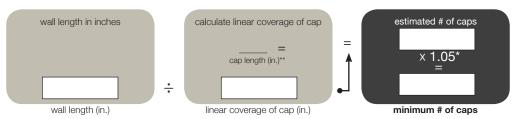
- 1. Have utilities location(s) marked.
- 2. Develop a plan; confirm lot lines, project location and area.
- **3.** Stake project location with string line or garden hose.

Tips

- Score line does not indicate top or bottom of project block. See example on next page.
- Texture irregularities are a characteristic of this block. Flip blocks as needed during installation to minimize gaps between blocks, being mindful of whether your project has exposed textured ends (e.g., columns, corners).
- Wall projects require a running bond pattern. See example on page 17.
- Use an exterior-grade concrete adhesive. Apply a $\frac{1}{4}$ -inch bead (string) of glue on the project block prior to capping, as shown on page 17.
- Multiple cap and accent options are available for each project.

Cap Estimating

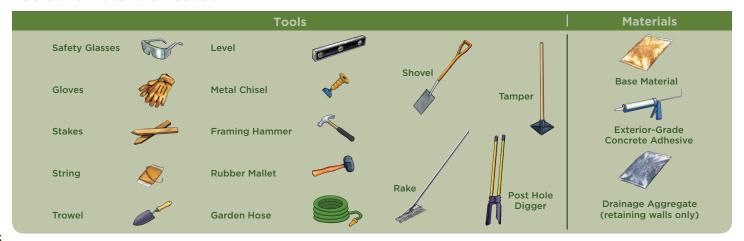
Select wall cap product; then calculate number of caps needed for project.



- * It is recommended that you purchase 5 percent more product than estimated to account for cutting and breakage. Add an extra 10 percent for curved walls.
- ** Average if two different lengths.

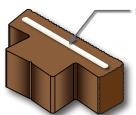
	Project	Freestanding Wall	Retaining Wall	Column
ShortCut* cap Holland paver 4" X 8"		Holland paver 4" X 8" Small cap	18" X 18" natural stone	
Curved Wall ShortCut* cap Holland paver 4" X 8"		Holland paver 4" X 8" Small cap		

Tools and Materials Needed



Project Preparation and Tips (continued)

Glue Placement

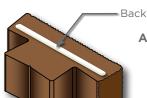


Middle

Apply along middle of block head for:

- Column (all courses)
- Seat/freestanding walls (top two courses)
- Vertical retaining walls (all courses)
- Capping

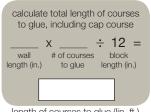




Apply along back of block head for:

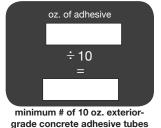
• Battered retaining walls (all courses)

Calculate exterior-grade concrete adhesive needed.

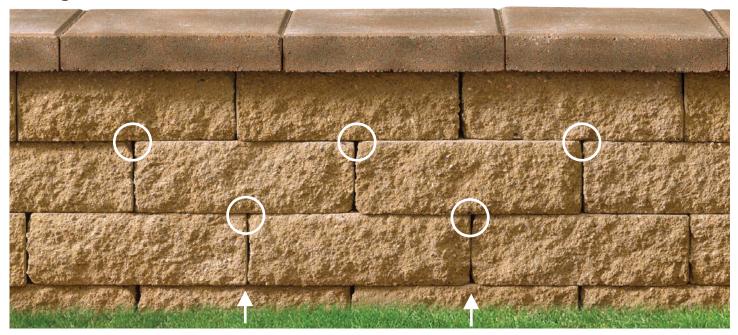


length of courses to glue (lin. ft.)





Running Bond Pattern



How to Split a Block in Half

Just four simple steps split a Tango® lawn-and-garden project block into two L-shaped pieces which are used for corners and ends. Following these steps will result in cleaner splits.

- 1. Place the block on the grass or soft surface with the score line facing up. With a metal chisel and framing hammer, lightly tap starting from the face of the block to extend the score line. Continue tapping along the score line to the tail.
- 2. Stand block on its face and again lightly tap, creating a score line on the end of the block.
- **3.** Flip the block over and continue lightly tapping, creating another centered score line from the tail to the face of the block.
- **4.** Repeat process with solid force as needed until the block splits in half.





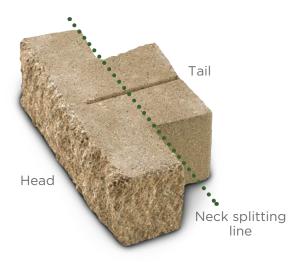


How to Create Wedge Pieces

Option 1. Use the tail to create a wedge piece for ends of curved walls or for one of the edger options.

- 1. Place the block on the grass or soft surface.
- 2. With a metal chisel and framing hammer, lightly tap along the neck.
- **3.** Flip the block over and continue lightly tapping, creating a score line all the way around the four sides of the block.
- **4.** Repeat process with solid force as needed until the block splits in two.









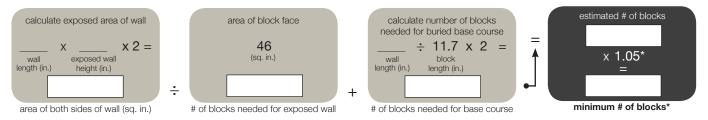
Seat/Freestanding Wall Estimating

Use the quick reference chart or calculate number of blocks needed per formula below. Note: Quick reference chart is rounded up to account for additional pieces for splitting.

Quick Reference Chart Number of Blocks Needed

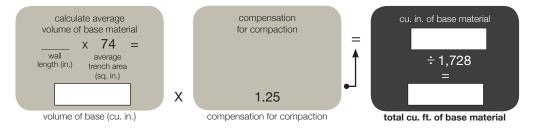
	Wall Length					
Number of Courses (Height)	5′	10′	15′	20′	25′	30′
1 Course/base course (4")	12	22	32	42	54	64
2 Courses (8")	22	42	64	84	106	126
3 Courses (12")	32	64	96	126	158	190
4 Courses (16")	42	84	126	168	210	252
5 Courses (20")	54	106	158	210	264	316
6 Courses (24")	64	126	190	252	316	378

Calculate number of blocks needed for project. If building on top of existing paver or concrete base, exclude adding number of blocks needed for buried base course.



^{*} It is recommended that you purchase 5 percent more product than estimated to account for splitting and breakage.

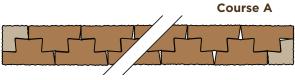
Calculate base material (paver base or $\frac{3}{4}$ -inch minus [with fines] aggregate) needed for project. Base material is not needed if building on top of existing paver or concrete base. Calculations are based on an average of straight and curved walls.



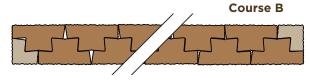
For cap estimating see page 16.

Seat/Freestanding Wall Installation

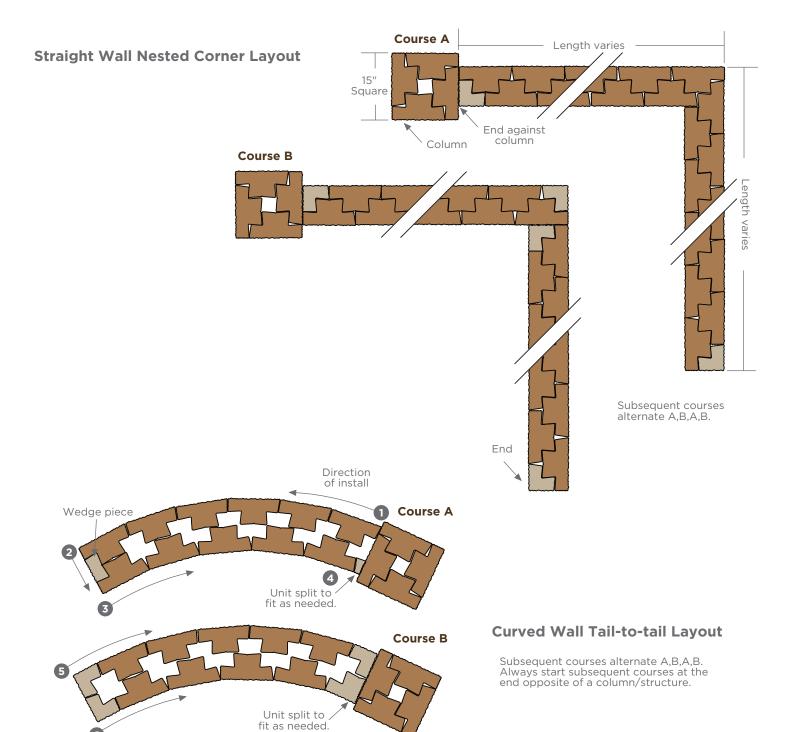
Straight Wall Nested Layout



Reverse order of blocks in the second course to stagger them for a running bond.



Subsequent courses alternate A,B,A,B.



Seat/Freestanding Wall Installation (continued)

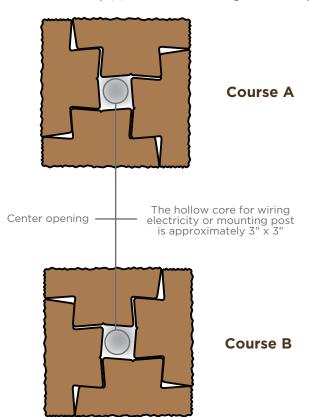
If project will be on top of existing paver or concrete base, consider the weight that is being added and adequacy of existing base to bear the load. Proceed to step 3a or 3b for first course layout.

- 1. Stake out wall and create trench Mark location of the wall from the back of blocks. Dig a trench for the leveling pad.
 - **a. Straight wall trench -** 17 inches wide x 8 inches deep.
 - **b.** Curved wall trench 20 inches wide x 8 inches deep.
- 2. Leveling pad Add a 2-inch layer of base material in the bottom of the trench; rake out and firmly compact. Repeat as needed for finished compacted base depth of 4 inches. Use a carpenter's level to level base material along the trench; check the level every few feet.
- **3. First/Base course -** For buried course installation, place the face of the block about 4 inches from trench side. Level the first block, front-to-back and side-to-side; lay subsequent blocks in the same manner.
 - **a. Straight wall nested layout -** For layout drawings see page 21. With textured surfaces facing out place a full block and a split L-shaped piece at project's end as shown in course A. Level block front-to-back and side-to-side. Lay the next block by rotating 180-degrees and interlock tails with the first block. Continue to level block and repeat to the end of the course.
 - **Important tip for 90-degree corners -** Make sure textured surfaces are facing out and continue to build straight wall course.
 - **b. Curved wall tail-to-tail layout -** For layout drawings see page 21. Starting the wall next to structure such as a column, build the outside radius, first with textured surfaces facing out. Level block front-to-back and side-to-side. End row by placing wedge piece before starting inside radius. Proceed with inside radius, placing blocks with sides and tails touching the outside radius row. Fill any open spaces at the wall end closest to structure with pieces split to fit. Glue all split pieces in place with exterior-grade concrete adhesive.
 - **Important tip for curved walls -** If including column(s) in design, build one column first, then wall, and end with second column if desired.
- **4. Subsequent courses -** Clean any debris off the previous course. Place the blocks as shown in layouts, alternating courses until project's height is reached. Glue the top two courses with an exterior-grade concrete adhesive as shown on page 17. Backfill trench with on-site soil and compact.
 - Important tip for curved walls Begin all subsequent courses at the wall end as shown on course B.
- **5.** Capping the wall Choose a cap option for your wall. Clean debris off the top course. Use an exterior-grade concrete adhesive on block to secure caps in place. Have score line facing down on the top course if using pavers as accent detail.

Column Estimating and Installation

If project will be on top of existing paver or concrete base, consider the weight that is being added and adequacy of existing base to bear the load. Proceed to step 3 for first course layout.

- **1. Stake out area and create trench -** Dig trench 23 inches wide x 23 inches long x 8 inches deep for the leveling pad.
- 2. Leveling pad Add a 2-inch layer of base material in the bottom of the trench; rake out and firmly compact. Repeat as needed for finished compacted base depth of 4 inches. Use a carpenter's level to level base material along the trench; check the level every few feet.
- **3.** Base course Build course A, placing first block with the face and textured end facing out and each positioned 4 inches away from two adjoining sides of the trench. Rotate next block 90-degrees and interlock with first block. Continue with blocks to complete the course.
- **4. Subsequent courses -** Check to make sure all textured sides are facing out. Clean any debris off the blocks and glue all courses with exterior-grade concrete adhesive as shown on page 17. Alternate courses B,A,B,A to maintain staggered bond until project's height is reached.
- **5.** Capping column Choose a cap option for your column. Clean debris off the top course. Use an exterior-grade concrete adhesive on block to secure caps in place. If using pavers as accent detail, have score line facing down on the top course. If layering caps, similarly secure each one in place with adhesive. Cap(s) should overhang column by one to three inches.



Quick Reference Chart

Number of Courses (Height)	Number of Blocks Needed
1 Course/base course (4")	4
2 Courses (8")	8
3 Courses (1')	12
4 Courses (1'4")	16
5 Courses (1'8")	20
6 Courses (2')	24
7 Courses (2'4")	28
8 Courses (2'8")	32
9 Courses (3')	36
10 Courses (3'4")	40
11 Courses (3'8")	44
12 Courses (4')	48

^{*}Including base course but excluding the cap

If installing column project in ground instead of on existing patio, base material is required for buried course:



Retaining Wall Estimating and Cross-Sections

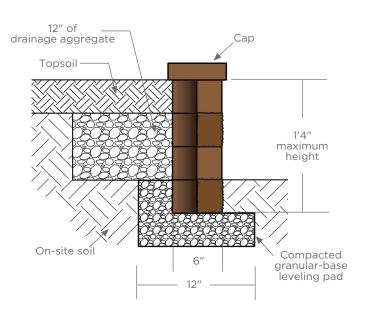
Use the quick reference chart or calculate number of blocks needed per formula on page 25. Note: Quick reference chart is rounded up to the nearest block.

Quick Reference Chart Number of Blocks Needed

	Wall Length					
Number of Courses (Height)	5′	10′	15′	20′	25′	30′
1 Course/base course (4")	6	11	16	21	27	32
2 Courses (8")	11	21	32	42	53	63
3 Courses (12")	16	32	48	63	79	95
4 Courses (16")	21	42	63	84	105	126
5 Courses (20")*	27	53	79	105	132	158
6 Courses (24")*	32	63	95	126	158	189

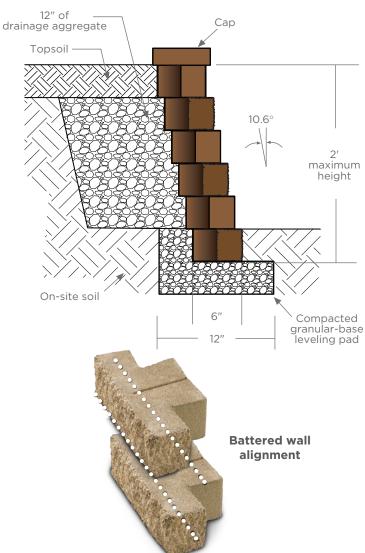
^{*}Battered wall only

Cross-section of a Vertical Wall



Vertical wall alignment

Cross-section of a Battered Wall



Retaining Wall Installation

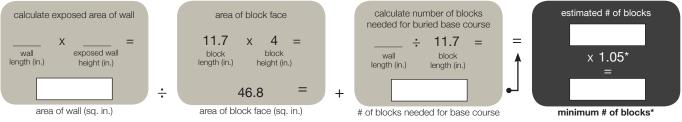
- 1. Stake out wall and create trench Mark location of the wall from the back of the block. Dig a trench 12 inches wide x 8 inches deep x ____ (length of wall) for the leveling pad.
- 2. Leveling pad Add a 2-inch layer of base material in the bottom of the trench; rake out and firmly compact. Repeat as needed for finished compacted base depth of 4 inches. Use a carpenter's level to level base material along the trench; check the level every few feet.
- **3.** Base course For buried course installation place the face of the block about 4 inches from trench side and centered. Level the first block, front-to-back and side-to-side; lay subsequent blocks in the same manner. Backfill behind base course with base material.
 - **a. Straight retaining wall -** Place blocks next to each other using a string line along the back edge to check for proper alignment.
 - **b. Curved retaining wall -** Begin by driving stake into the ground at the desired center of the curve. Attach a string, rotate it in a circle around the stake, and mark the radius in the soil. Align each block face with the outside radius and level front-to-back and side-to-side.
- **4. Subsequent courses -** Stagger blocks to maintain running bond. Split blocks as needed to fit desired length of wall. After each subsequent course, backfill with drainage aggregate and tamp before installing additional courses. The last course of blocks can be backfilled with topsoil to allow for plants or sod. Fill trench in front of wall with on-site soil and compact. Clean any debris off the blocks and glue all courses with an exterior-grade concrete adhesive as shown on page 17.

Important tip for vertical walls - Place block with face aligned vertically as shown on page 24.

Important tip for battered walls - Set block with the front face of the block back by ³/₄ inch as shown on page 24.

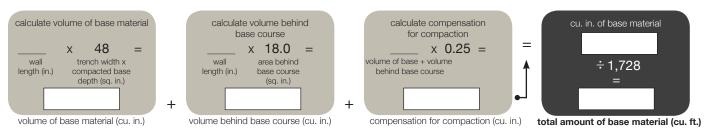
5. Capping the wall - Choose a cap option. Use an exterior-grade concrete adhesive on block to secure caps in place.

Calculate the number of blocks needed for project.

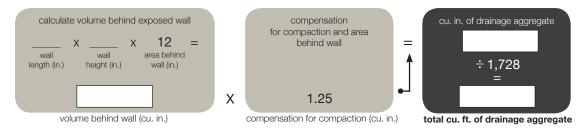


^{*} It is recommended that you purchase 5 percent more product than estimated to account for splitting and breakage.

Calculate base material (paver base or 3/4-inch minus [with fines] aggregate) needed for project.



Calculate drainage aggregate (3/4-inch angular/crushed free-draining aggregate) needed for project.



Edging Estimating and Installation

Basic Installation Prep for All Design Options



Excavation

1. Excavation - Begin by laying out the project using stakes and string line or a garden hose (great for curves). Dig a trench 6 inches wide x 4 inches deep (3 inches deep for Option 3).



Leveling pad

2. Leveling pad - Level bottom of the trench. Place 1-inch of base material in the bottom of the trench and firmly compact.

Helpful tip - Use 1 cubic feet of base material for every 25 feet of edging.

Edger Design Option 1



- 3. Using a post hole digger or hand trowel is recommended. Position blocks centered and end-to-end in the trench by creating a hole 4 inches wide x 3 inches deep x 6 inches long every 12 inches to bury tail into base. Using a rubber mallet, tamp the edger firmly into place. Use a level to ensure edger units are uniformly level. Continue to place the units until the desired length of the project is reached.
- **4.** Split block as needed to fit desired length of edging.
- 5. Finish project by firmly packing excavated material along sides of the edger units.

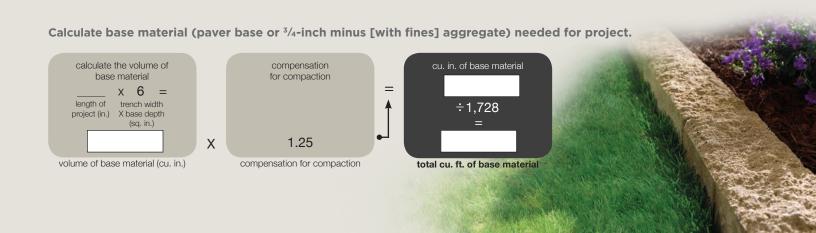
Edger Design Option 2

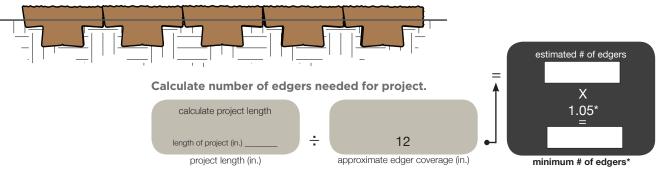


- **3.** Position a block textured face up, then place a block textured face down, both centered in trench. Using a rubber mallet, tamp the edgers firmly into place. Use a level to ensure edger units are uniformly level. Continue repeating this pattern to complete project.
- 4. Split block as needed to fit desired length of edging.
- **5.** Finish project by firmly packing excavated material along sides of the edger units.

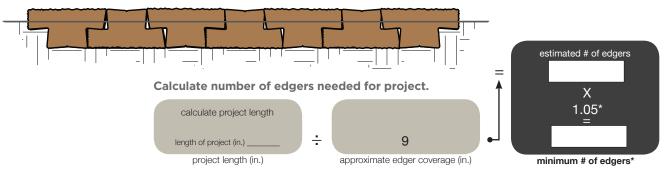
Edger Design Option 3

- **3.** Split each block to create a wedge piece (see page 19).
- **4.** Position the long piece of block textured face up, then place the tail piece next to it, textured surface up. Using a rubber mallet, tamp the edgers firmly into place. Use a level to ensure edger units are uniformly level. Repeat pattern to complete project.
- 5. Finish project by firmly packing excavated material along sides of the edger units.

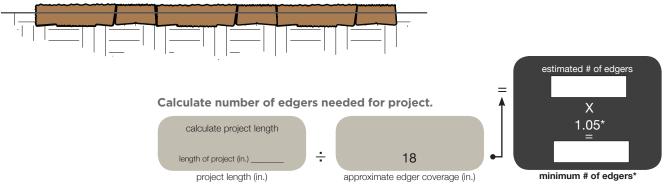




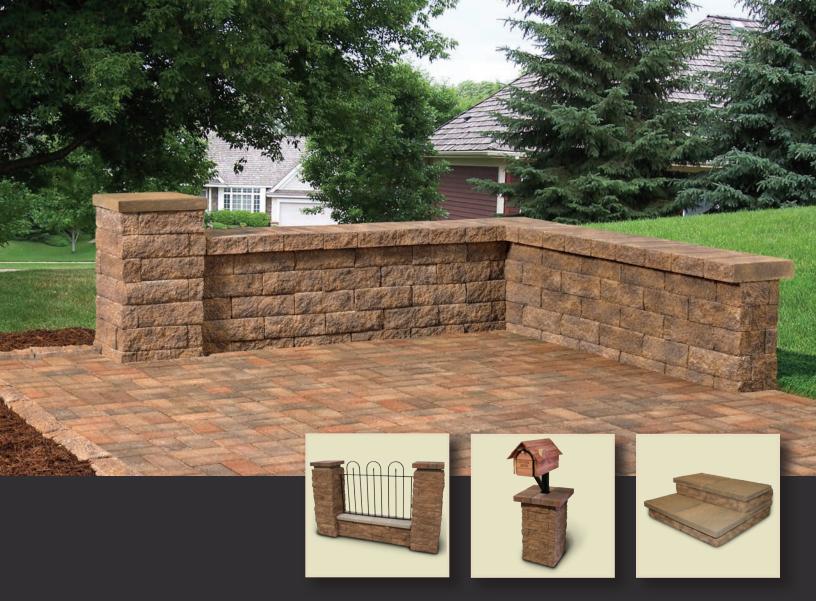
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More project ideas at www.anchorwall.com



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