

INSTALLATION



1) Site Preparation:

Before construction is started, utility locates should be done. Excavate for the wall to the desired width and depth to the final grade. Once the excavation for the wall is completed, start trenching the base of the wall at the lowest elevation. This trench should be at approximately 6 to 24 inches below the grade. The trench should then be compacted to 95% Standard Proctor or greater or on native soil. After the trench is complete, place approximately 4 to 8 inches of free-draining aggregate (recycled concrete $1\frac{1}{2}$ x $\frac{3}{4}$) for leveling the base.



2) Installation of bottom row:

Place the first Paragon block unit on the prepared base, along the wall alignment, and make sure the unit is level — front to back and side to side. Repeat this process until the bottom row is installed, having the front corners touching each other. The foundation of the wall is the most important aspects of building a retaining wall. It is critical the bottom row of the wall be level and accurate. Minimum embedment of base course should be at least 2 inches below the grade for every 1-foot of wall height, up to a maximum of 8 inches.



3) Aligning and Core Filling:

Once the bottom row is installed, the straight course of the wall should be aligned using a string line. After the bottom row is aligned, the units should be core filled using free-drainage aggregate. Also, fill the open spaces and up to a minimum of 12 inches behind the units with the free-drainage aggregate. This will help alleviate any hydrostatic pressure on the wall. After the bottom row is installed, one can install up to 2 rows at a time before core filling with the free-drainage aggregate. By doing this, you are insuring that all the voids within the block are being filled correctly.



4) Install Additional Rows:

Place the next course of Paragon units approximately $\frac{3}{4}$ to 1 inch setback from the face of the lower units. This will give the wall a staggered look and help minimize any overturning, while adding strength and stability to the wall. Once the row is installed, repeat the process of aligning the units and core filling the wall with free-drainage aggregate. Continue this process until the desired wall height is reached. If the wall height is going to be greater than 3 feet, see Step 6.



5) Capping the Wall:

Once the desired wall height is reached, clean off the last course in preparation for the cap unit to be installed. With the Paragon block units dry and clean, use a surebond 400-construction grade adhesive to attach cap units to the block. Cap units may be flush or overhanging as required by aesthetics or design.



6) Paragrid Soil Reinforcement:

To install the Paragrid, clean off the course on the row the Paragrid is to be installed. Cut sections from the Paragrid to the required length and place approximately 1 inch from the face of the block and lay the grid flat into the embedment. Place another row of block on top of the grid with the $\frac{3}{4}$ to 1-inch setback. Once the row of block is on top of the Paragrid, pull the grid taut and ensure it is perpendicular to the wall face through the compacted or free-drainage aggregate embedment area.

For taller walls or walls supporting surcharge loads the use of Paragrid reinforcement material may be required. For general wall design for limited heights, refer to the "Design Charts" on the back of this brochure, for conditions beyond these basic charts, consult a qualified engineer.

PARAGON



Paragon represents the model of excellence in the industry by offering a pin-less dry-stack system, which is not only durable but also extremely functional. Paragon offers a gravity system, that can be built up to four feet tall using the combination of the Vegas and Mesquite blocks, or a soil reinforced wall structure using Paragrid for taller walls, to accommodate all soil retention needs.

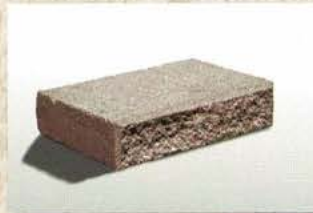
UNIT TYPES



VEGAS
18.0" x 18.75" x 8.0"
103 LBS.



MESQUITE
18.0" x 12.0" x 8.0"
80 LBS.



NEVADA CAP
18.0" x 12.0" x 4.0"
67 LBS.



CORNER
8.0" x 17.0" x 8.0"
60 LBS.

Standard colors shown above — brown, tan & gray.
Custom colors available.

FEATURES

- Easy to Install
- **PINLESS SYSTEM** design makes it easy to:
 - Customize setback
 - Simplifies corners & stairs
 - Construct a variety of curves & walls
- A Positive Block to Grid Connection
- Qualified Engineer Available Upon Request