

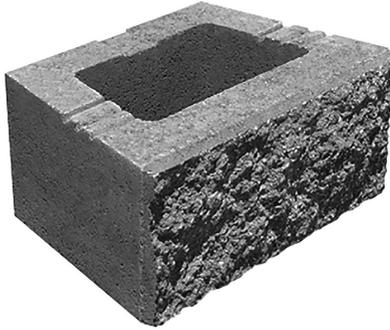
**R.I.** **Lampus**  
*Company*

COMMERCIAL COLLECTION

**GEOSTONE**  
RETAINING WALL SYSTEMS

# GEOSTONE RETAINING WALL SYSTEMS

GeoStone walls are categorically known as Segmental Retaining Walls (SRW) or Modular Wall Systems. These systems mainly consist of interlocking concrete retaining wall blocks, geogrid, crushed aggregate, and compacted soils. The procedure of placement is based on the conditions in which the wall is located and its purpose. GeoStone walls are highly engineered and able to withstand all types of conditions including major heights and surcharges. The system is what is referred to as a "dry-stack" meaning there is no mortar. This wall system relies on friction and spread stabilization techniques.

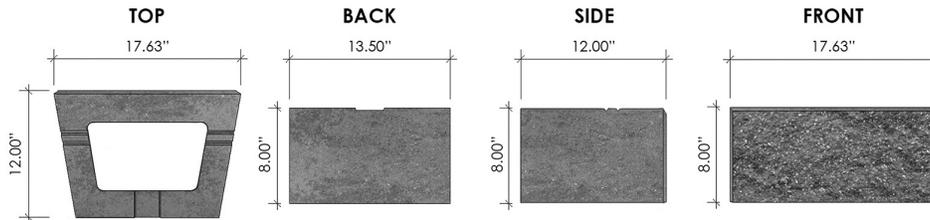


**18" x 12" x 8"**

80 lbs. / unit • 1 unit / sq. ft.  
24 units / pallet • 1,920 lbs. / pallet  
112 cu. ft. / per core

### SETBACK:

- Chamfer = 0.35" per course or 2.5"
- First Groove = 1" per course
- Second Groove = 2" per course

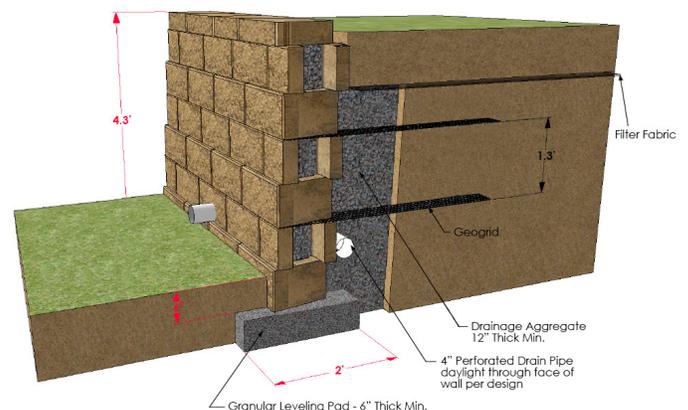


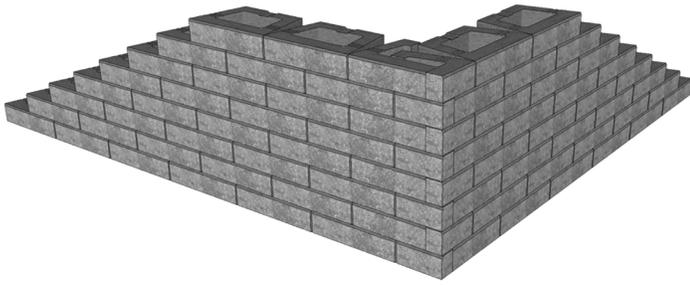
GeoStone is the only true open core system on the market. Its simplistic design makes it the easiest block to manufacture, ship, and install. Open core cuts down on weight and cost. Versatility is another major advantage. GeoStone walls are able to be designed and built at any batter, including true vertical. This option is not available in most modular wall systems.

The open core also provides superior drainage and connection. Its connection to the geogrids continues to hold as the wall and the pressures exerted from behind get higher. GeoStone's bond continues to get stronger as the wall gets taller. This is largely due to the fact that GeoStone's connection relies on the friction created by placing crushed limestone in the larger cores which creates a much larger high friction surface area between block and grid than any other wall systems on the market. We call this "Rock Interlock".



### TYPICAL CROSS-SECTION



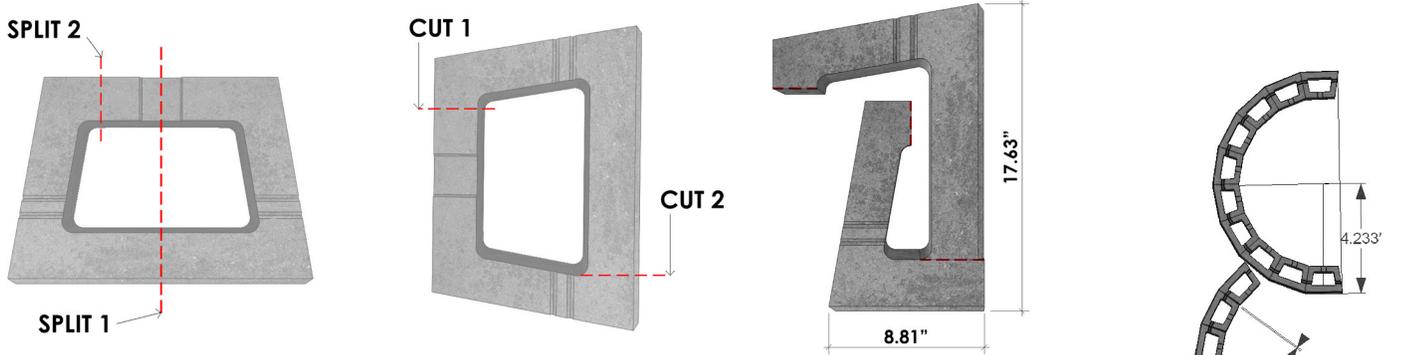


## CORNERS

A corner takes 1.5 blocks per course to make. The first block is split in half. Take care to make sure this split is made at exactly the halfway point so that the other half can be used on the next course's corner.

On the second block, measure all the way to the point where the inside of the core starts to make its turn. This is where a cut is necessary in order to fit snug against the machined edge of the other piece of the corner. The length of the piece to be cut off should be 3" (the same as the width of the split edge on the half block).

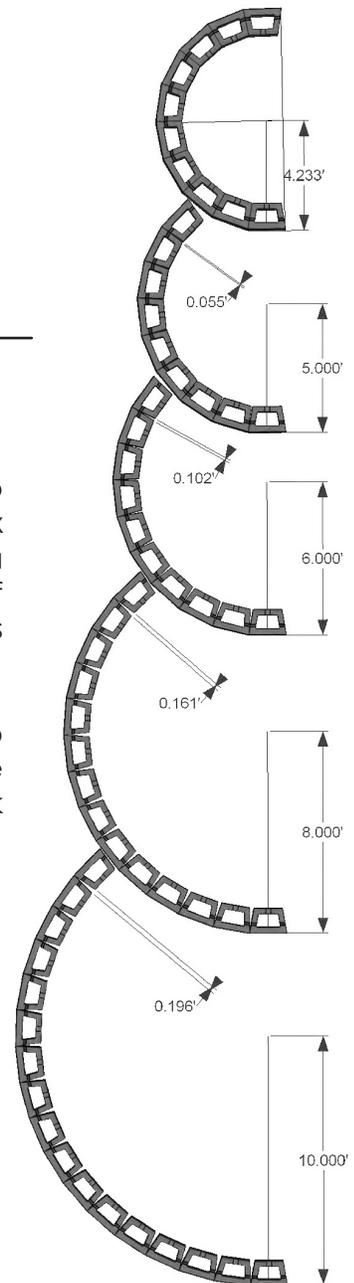
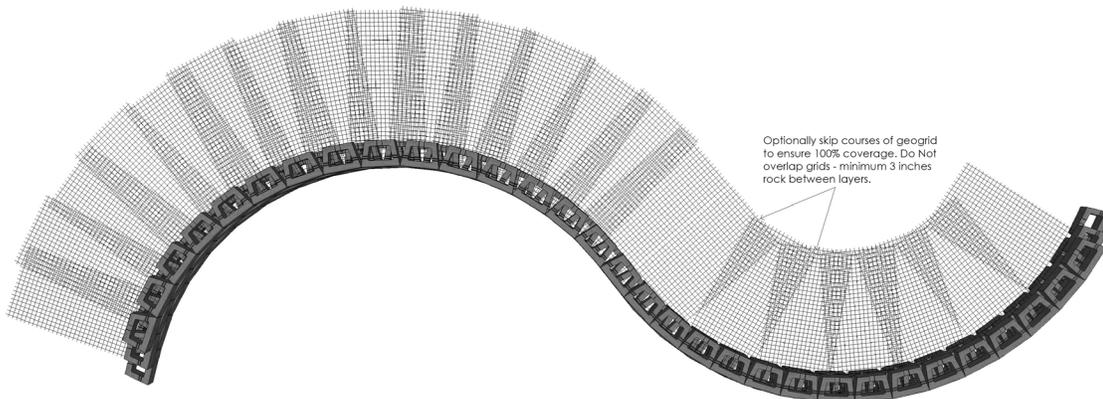
The tails of the block can either be cut or split to fit. Use a liberal amount of glue in your corners for added connection and sack concrete can be used in the cores with the rock for addition strength.



## CURVES & CIRCLES

GeoStone can be used to create walls with convex or concave curves with a minimum convex radius of 4.5' achieved with no gaps at the back of the block.

GeoStone is also able to create a 9.5' diameter circle with no cuts to the block necessary.





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