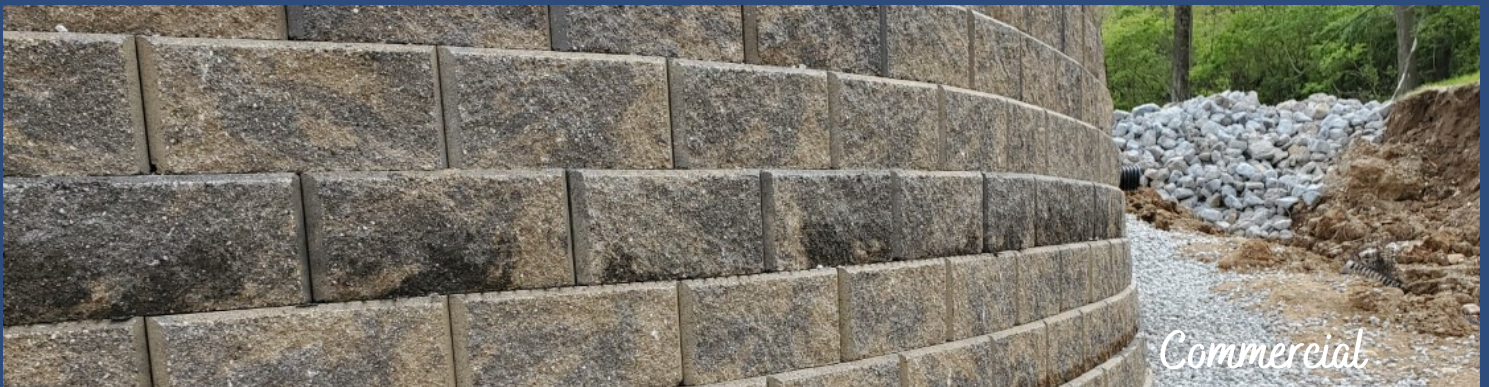
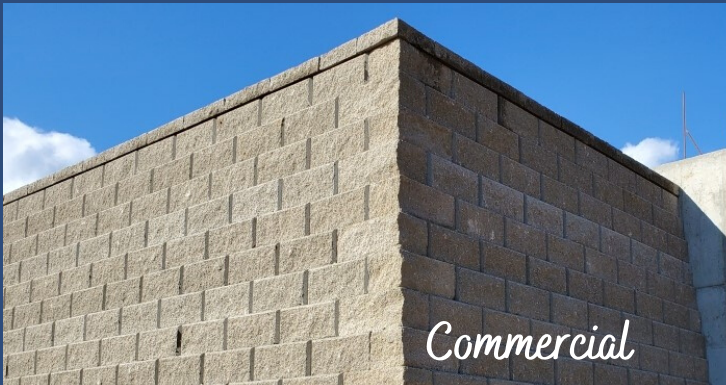


# TRINITY

Segmental Block Wall System

Engineers and  
contractors  
preferred choice  
for segmental  
block retaining  
walls!



## ----- 1 Block | 3 Solutions -----

**1**

**Frictional**

MSE With  
Geogrid

**2**

**Structural**

Earth  
Anchor/Soil Nail

**3**

**Gravity Mass**

No Fines  
Concrete



[www.snyderonline.com](http://www.snyderonline.com)

# TRINITY

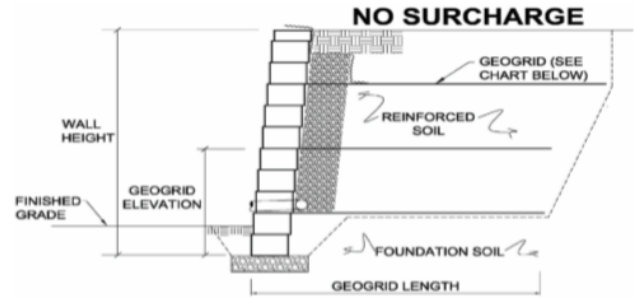
## Segmental Block Wall System



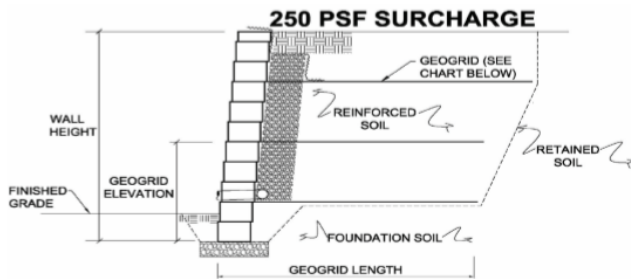
### Style - Chiseled Face

- 8"H x 18"W x 12"D (1 SF/Unit and approx. 75 lbs per unit)
- 5.4° Setback (3/4" Per Course)
- Mechanical (positive) geogrid connector available
- Vertically aligned cores for efficient stone filling
- Rear hand holds assist in lifting

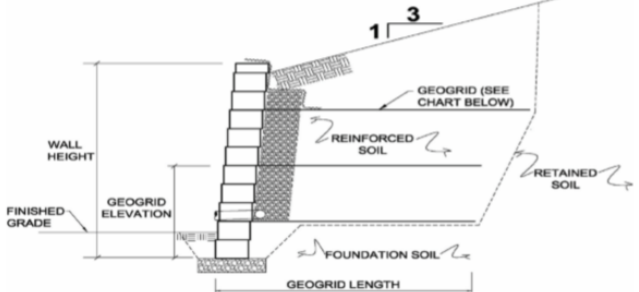
## Estimating Charts



No Surcharge, $\gamma = 120$ PCF								
$\Phi = 28'$ Silt/Clayey Soils			$\Phi = 30'$ Sandy Soils			$\Phi = 34'$ Gravel Soils		
Wall Height	Grid Elevation	Grid Length	Wall Height	Grid Elevation	Grid Length	Wall Height	Grid Elevation	Grid Length
3.0'	1.34	4.0'	3.0'	Geogrid Not Required		3.0'	Geogrid Not Required	
4.3'	1.34	4.0'	4.3'	1.34	4.0'	4.3'	1.34	4.0'
	3.34	4.5'		3.34	4.5'		3.34	4.0'
5.7'	2.00	4.5'	5.7'	2.00	4.0'	5.7'	2.00	4.0'
	4.00	5.0'		4.00	5.0'		4.00	4.5'
7.0'	1.34	4.0'	7.0'	1.34	4.0'	7.0'	1.34	4.0'
	3.34	4.5'		3.34	4.5'		3.34	4.0'
	5.34	6.0'		5.34	5.5'		5.34	5.5'
8.3'	0.67	5.0'	8.3'	0.67	5.0'	8.3'	0.67	5.0'
	2.67	5.0'		2.67	5.0'		2.67	5.0'
	4.67	5.5'		4.67	5.0'		4.67	5.0'
	6.67	6.5'		6.67	6.5'		6.67	6.0'
9.7'	0.67	6.0'	9.7'	0.67	6.0'	9.7'	0.67	6.0'
	2.67	6.0'		2.67	6.0'		2.67	6.0'
	4.67	6.0'		4.67	6.0'		4.67	6.0'
	6.67	6.5'		6.67	6.5'		6.67	6.0'
	8.67	8.0'		8.67	7.5'		8.67	7.0'



250 PSF Surcharge, $\gamma = 120$ PCF								
$\Phi = 28'$ Silt/Clayey Soils			$\Phi = 30'$ Sandy Soils			$\Phi = 34'$ Gravel Soils		
Wall Height	Grid Elevation	Grid Length	Wall Height	Grid Elevation	Grid Length	Wall Height	Grid Elevation	Grid Length
3.0'	1.34	5.5'	3.0'	1.34	5.0'	3.0'	1.34	4.0'
4.3'	1.34	4.0'	4.3'	1.34	4.0'	4.3'	1.34	4.0'
	3.34	7.0'		3.34	6.5'		3.34	5.5'
5.7'	2.00	5.0'	5.7'	2.00	4.5'	5.7'	2.00	4.0'
	4.00	6.5'		4.00	6.0'		4.00	5.0'
7.0'	1.34	4.0'	7.0'	1.34	4.0'	7.0'	1.34	4.0'
	3.34	5.0'		3.34	4.5'		3.34	4.0'
	5.34	7.5'		5.34	7.0'		5.34	6.0'
8.3'	0.67	6.5'	8.3'	0.67	5.5'	8.3'	0.67	5.0'
	2.67	6.5'		2.67	5.5'		2.67	5.0'
	4.67	6.5'		4.67	5.5'		4.67	5.0'
	6.67	8.5'		6.67	8.0'		6.67	6.5'
9.7'	0.67	7.0'	9.7'	0.67	6.5'	9.7'	0.67	6.0'
	2.67	7.0'		2.67	6.5'		2.67	6.0'
	4.67	7.0'		4.67	6.5'		4.67	6.0'
	6.67	7.5'		6.67	7.0'		6.67	6.0'
	8.67	10.5'		8.67	9.5'		8.67	8.5'



3:1 Surcharge, $\gamma = 120$ PCF								
$\Phi = 28'$ Silt/Clayey Soils			$\Phi = 30'$ Sandy Soils			$\Phi = 34'$ Gravel Soils		
Wall Height	Grid Elevation	Grid Length	Wall Height	Grid Elevation	Grid Length	Wall Height	Grid Elevation	Grid Length
3.0'	1.34	4.0'	3.0'	1.34	4.0'	3.0'	No Geogrid Required	
4.3'	1.34	4.0'	4.3'	1.34	4.0'	4.3'	1.34	4.0'
	3.34	5.0'		3.34	5.0'		3.34	4.5'
5.7'	2.00	5.0'	5.7'	2.00	4.5'	5.7'	2.00	4.0'
	4.00	5.5'		4.00	5.5'		4.00	5.0'
7.0'	1.34	5.5'	7.0'	1.34	4.0'	7.0'	1.34	4.0'
	3.34	5.5'		3.34	5.0'		3.34	4.5'
	5.34	7.0'		5.34	6.5'		5.34	6.0'
8.3'	0.67	8.0'	8.3'	0.67	7.0'	8.3'	0.67	5.0'
	2.67	8.0'		2.67	7.0'		2.67	5.0'
	4.67	8.0'		4.67	7.0'		4.67	5.5'
	6.67	8.0'		6.67	7.5'		6.67	7.0'
9.7'	0.67	9.0'	9.7'	0.67	7.5'	9.7'	0.67	6.0'
	2.67	9.0'		2.67	7.5'		2.67	6.0'
	4.67	9.0'		4.67	7.5'		4.67	6.0'
	6.67	9.0'		6.67	7.5'		6.67	7.0'
	8.67	10.0'		8.67	9.0'		8.67	8.0'

The information contained herein has been compiled by Earth Wall Products, LLC and to the best of our knowledge, accurately represents the Trinity Block product use in the applications which are illustrated. Final determination of the suitability for the use contemplated and its manner of use are the sole responsibility of the user. Final structural design and analysis shall be performed by a qualified engineer.

For assistance with stamped final designs by a professional engineer call 678.594.3451.

The soils effective friction angle and unit weight as outlined above is assumed to exist in the reinforced, retained, and foundation zones.

Geogrid type is HTG 35, Mirafi 3XT, Strata 200 or approved equivalent.



Snyder Brick & Block PH (937) 299-7380