



EVERGREEN® WALLS, INC.

Evergreen GEO - GENERAL NOTES

- The Evergreen - GEO unit lengths are 8 ft. from center to center of the legs and 2.5 ft. lift.
- One unit covers $2.5 \times 2 \times 8 = 40$ sf of wall face including the slope directly above.
- Start erection at place of lowest elevation of foundations.
- Foundation tolerance: 1/2" is desirable, yet 1" or even 1 1/2" would be acceptable if 'minus', to be corrected by adding mortar.
- Erect the evergreen - geo wall units, making sure they are perfectly horizontal. Line them up to each other. Use small, 1/2" wide hardwood wedges and fast set mortar and engineer's level and a wooden triangle of a 1' and a 6' side, and use a 1/2" thick piece of board to space the units apart. The proper adjustment to the desirable 1/8" tolerance. This means a lot less adjustments for the upper units, which then just stack easily.
- Note that the fill within the tension beams must be select fill ($\phi = \text{min. } 35^\circ$) to mobilize friction within the fill to transfer loads from one layer to the next. Should such good fill not be available, use shear blocks to connect cross beams between levels.
- Use additional legs for bends wherever the wall is in a turn to bring the loads down to the foundation, except for the top two layers.
- Use legs and end leg left and end leg right wherever the wall steps down.
- Use top beam units across the top of the wall for ensuring good fill compaction on the top of the wall.
- Foundation excavation must reach well bearing soil or rock. Excavate deeper as needed and as approved by the engineer as noted in specs.
- Any soft, wet or organic or otherwise unsuitable material encountered in the footing area shall be removed and replaced a minimum 2 ft. away and replaced with gravel placed and compacted in 1 ft. lifts.
- Minimum requirement for foundation material beneath foundation depends on individual project and is here
 - Friction angle $\phi = \text{min. } \phi = 34^\circ$
 - Cohesion = 0
 - Gamma = min. 125 pcf.

The contractor shall consult and follow the 'Specification, Notes, and Erection Instructions for 'Evergreen-GEO' as provided by the manufacturer.