

Soil Data

Soil Zone	Description	Cohesion (c) (psf)	Friction Angle(Φ) (degrees)	Unit Weight (γ)(pcf)
Retained Soil	silty clay and clean rock	N/A	29.00	115.00
Leveling Pad Soil	minus crushed limestone	N/A	36.00	135.00
Foundation Soil	rocky clay	50.00	28.00	125.00

Segmental Unit Data

Segmental Unit Name : **Classic 8**
 Cap Height (Inches) : **4.00**
 Unit Height (Hu)(Inches) : **8.00**
 Unit Width (Wu)(Inches) : **12.00**
 Unit Length (Inches) : **18.00**
 Setback (Inches) : **1.00**
 Weight (Infilled)(lb) : **118.00**
 Unit Weight (Infilled)(pcf) : **118.00**
 Center of Gravity(Inches) : **6.00**

Unit-Unit Interface Properties

Minimum Shear Capacity(lb/ft)	Shear Friction Angle	Maximum Shear Capacity (lb/ft)
585.00	56.00	6000.00

Vertical Components

Vertical Components of Earth Pressures Used : **No**

Coefficients of Earth Pressure and Failure Plane Orientation

Retained Soil(Static)(Ka) : **0.348**
 Retained Soil(Static)(Kah Horizontal Component) : **0.323**
 External Modified Back Slope(Bext) : **18.300**
 Orientation of failure plane from horizontal(degrees) for
 External Stability : **46.774**