

Brisa™ Retaining Wall System

Estimating Chart for Geosynthetic Reinforcement

No Slopes / No Surcharges

CLAY AND SILT SOIL $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	SILTY/CLAYEY SAND SOIL $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	CLEAN SAND AND GRAVEL SOIL $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
<p>H</p>	<p>H</p>	<p>H</p>
<p>Total Height: 1'-0" (300 mm)</p> <p style="text-align: center;">NO REINFORCEMENT REQUIRED</p>	<p>Total Height: 1'-0" (300 mm)</p> <p style="text-align: center;">NO REINFORCEMENT REQUIRED</p>	<p>Total Height: 1'-0" (300 mm)</p> <p style="text-align: center;">NO REINFORCEMENT REQUIRED</p>
<p>Total Height: 2'-0" (600 mm)</p> <p style="text-align: center;">4.0' (1200 mm)</p>	<p>Total Height: 2'-0" (600 mm)</p> <p style="text-align: center;">NO REINFORCEMENT REQUIRED</p>	<p>Total Height: 2'-0" (600 mm)</p> <p style="text-align: center;">NO REINFORCEMENT REQUIRED</p>
<p>Total Height: 3'-0" (900 mm)</p> <p style="text-align: center;">4.0' (1200 mm) 4.0' (1200 mm)</p>	<p>Total Height: 3'-0" (900 mm)</p> <p style="text-align: center;">4.0' (1200 mm) 4.0' (1200 mm)</p>	<p>Total Height: 3'-0" (900 mm)</p> <p style="text-align: center;">NO REINFORCEMENT REQUIRED</p>
<p>Total Height: 4'-0" (1200 mm)</p> <p style="text-align: center;">4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm)</p>	<p>Total Height: 4'-0" (1200 mm)</p> <p style="text-align: center;">4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm)</p>	<p>Total Height: 4'-0" (1200 mm)</p> <p style="text-align: center;">4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm)</p>
<p>Total Height: 5'-0" (1500 mm)</p> <p style="text-align: center;">4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm)</p>	<p>Total Height: 5'-0" (1500 mm)</p> <p style="text-align: center;">4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm)</p>	<p>Total Height: 5'-0" (1500 mm)</p> <p style="text-align: center;">4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm)</p>
<p>Total Height: 6'-0" (1800 mm)</p> <p style="text-align: center;">5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm)</p>	<p>Total Height: 6'-0" (1800 mm)</p> <p style="text-align: center;">5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm)</p>	<p>Total Height: 6'-0" (1800 mm)</p> <p style="text-align: center;">4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm)</p>

Brisa™ Retaining Wall System

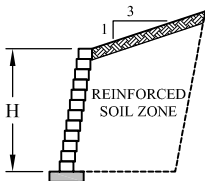
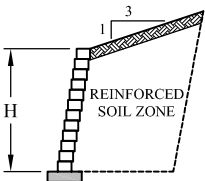
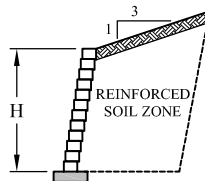
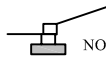
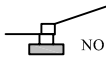
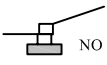
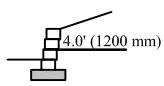
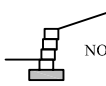
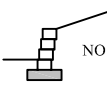
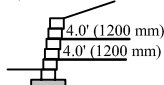
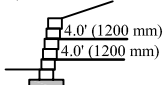
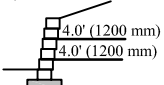
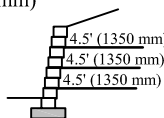
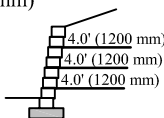
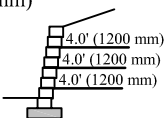
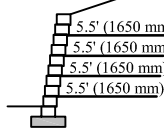
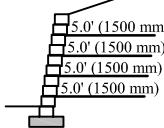
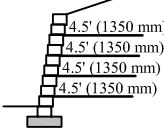
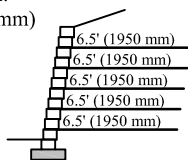
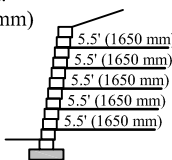
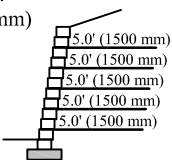
Estimating Chart for Geosynthetic Reinforcement

100 PSF Surcharge

CLAY AND SILT SOIL $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	SILTY/CLAYEY SAND SOIL $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	CLEAN SAND AND GRAVEL SOIL $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
<p>Total Height: 1'-0" (300 mm)</p> <p>NO REINFORCEMENT REQUIRED</p>	<p>Total Height: 1'-0" (300 mm)</p> <p>NO REINFORCEMENT REQUIRED</p>	<p>Total Height: 1'-0" (300 mm)</p> <p>NO REINFORCEMENT REQUIRED</p>
<p>Total Height: 2'-0" (600 mm)</p> <p>4.0' (1200 mm)</p>	<p>Total Height: 2'-0" (600 mm)</p> <p>NO REINFORCEMENT REQUIRED</p>	<p>Total Height: 2'-0" (600 mm)</p> <p>NO REINFORCEMENT REQUIRED</p>
<p>Total Height: 3'-0" (900 mm)</p> <p>4.0' (1200 mm) 4.0' (1200 mm)</p>	<p>Total Height: 3'-0" (900 mm)</p> <p>4.0' (1200 mm) 4.0' (1200 mm)</p>	<p>Total Height: 3'-0" (900 mm)</p> <p>4.0' (1200 mm) 4.0' (1200 mm)</p>
<p>Total Height: 4'-0" (1200 mm)</p> <p>5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm)</p>	<p>Total Height: 4'-0" (1200 mm)</p> <p>4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm)</p>	<p>Total Height: 4'-0" (1200 mm)</p> <p>4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm)</p>
<p>Total Height: 5'-0" (1500 mm)</p> <p>5.5' (1650 mm) 5.5' (1650 mm) 5.5' (1650 mm) 5.5' (1650 mm)</p>	<p>Total Height: 5'-0" (1500 mm)</p> <p>4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm)</p>	<p>Total Height: 5'-0" (1500 mm)</p> <p>4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm)</p>
<p>Total Height: 6'-0" (1800 mm)</p> <p>6.0' (1800 mm) 6.0' (1800 mm) 6.0' (1800 mm) 6.0' (1800 mm) 6.0' (1800 mm)</p>	<p>Total Height: 6'-0" (1800 mm)</p> <p>5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm)</p>	<p>Total Height: 6'-0" (1800 mm)</p> <p>4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm)</p>

Brisa™ Retaining Wall System

Estimating Chart for Geosynthetic Reinforcement 3:1 Crest Slope

CLAY AND SILT SOIL $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	SILTY/CLAYEY SAND SOIL $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	CLEAN SAND AND GRAVEL SOIL $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
 <p>H</p>	 <p>H</p>	 <p>H</p>
<p>Total Height: 1'-0" (300 mm)</p>  <p>NO REINFORCEMENT REQUIRED</p>	<p>Total Height: 1'-0" (300 mm)</p>  <p>NO REINFORCEMENT REQUIRED</p>	<p>Total Height: 1'-0" (300 mm)</p>  <p>NO REINFORCEMENT REQUIRED</p>
<p>Total Height: 2'-0" (600 mm)</p>  <p>4.0' (1200 mm)</p>	<p>Total Height: 2'-0" (600 mm)</p>  <p>NO REINFORCEMENT REQUIRED</p>	<p>Total Height: 2'-0" (600 mm)</p>  <p>NO REINFORCEMENT REQUIRED</p>
<p>Total Height: 3'-0" (900 mm)</p>  <p>4.0' (1200 mm) 4.0' (1200 mm)</p>	<p>Total Height: 3'-0" (900 mm)</p>  <p>4.0' (1200 mm) 4.0' (1200 mm)</p>	<p>Total Height: 3'-0" (900 mm)</p>  <p>4.0' (1200 mm) 4.0' (1200 mm)</p>
<p>Total Height: 4'-0" (1200 mm)</p>  <p>4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm)</p>	<p>Total Height: 4'-0" (1200 mm)</p>  <p>4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm)</p>	<p>Total Height: 4'-0" (1200 mm)</p>  <p>4.0' (1200 mm) 4.0' (1200 mm) 4.0' (1200 mm)</p>
<p>Total Height: 5'-0" (1500 mm)</p>  <p>5.5' (1650 mm) 5.5' (1650 mm) 5.5' (1650 mm) 5.5' (1650 mm)</p>	<p>Total Height: 5'-0" (1500 mm)</p>  <p>5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm)</p>	<p>Total Height: 5'-0" (1500 mm)</p>  <p>4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm) 4.5' (1350 mm)</p>
<p>Total Height: 6'-0" (1800 mm)</p>  <p>6.5' (1950 mm) 6.5' (1950 mm) 6.5' (1950 mm) 6.5' (1950 mm) 6.5' (1950 mm)</p>	<p>Total Height: 6'-0" (1800 mm)</p>  <p>5.5' (1650 mm) 5.5' (1650 mm) 5.5' (1650 mm) 5.5' (1650 mm) 5.5' (1650 mm)</p>	<p>Total Height: 6'-0" (1800 mm)</p>  <p>5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm) 5.0' (1500 mm)</p>