Estimating Chart for Geosynthetic Reinforcement with Mega-Tandem™ Retaining Wall Systems
No Slopes and No Surcharges

Clay and Silt Soils
\[ \gamma = 120 \text{pcf (19 kN/m}^3) \]

Silty / Clayey Sand Soil
\[ \gamma = 120 \text{pcf (19 kN/m}^3) \]

Clean Sand and Gravel Soil
\[ \gamma = 120 \text{pcf (19 kN/m}^3) \]

FOR ESTIMATING PURPOSES ONLY - NOT FOR CONSTRUCTION
Estimating Chart for Geosynthetic Reinforcement with Mega-Tandem™ Retaining Wall Systems
250 PSF Surcharge

Clay and Silt Soils
φ = 26°
γ = 120 pcf (19 kN/m³)

Silty / Clayey Sand Soil
φ = 30°
γ = 120 pcf (19 kN/m³)

Clean Sand and Gravel Soil
φ = 34°
γ = 120 pcf (19 kN/m³)

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MTECGRSU-B Rev 6-16
### Estimating Chart for Geosynthetic Reinforcement with Mega-Tandem™ Retaining Wall Systems

#### 3:1 Crest Slope

<table>
<thead>
<tr>
<th>Clay and Silt Soils</th>
<th>Silty / Clayey Sand Soil</th>
<th>Clean Sand and Gravel Soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>$\phi = 25^\circ$</td>
<td>$\phi = 30^\circ$</td>
<td>$\phi = 34^\circ$</td>
</tr>
<tr>
<td>$\gamma = 120 \text{pcf} (19 \text{ kN/m}^3)$</td>
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</tr>
</tbody>
</table>

#### Dimensions:

- **4'-0" (1200 mm)** 4 Courses
- **6'-0" (1800 mm)** 6 Courses
- **8'-0" (2400 mm)** 8 Courses
- **10'-0" (3000 mm)** 10 Courses
- **12'-0" (3600 mm)** 12 Courses

#### Notes:

- **3.5 FT (2250 mm)**
- **4.0 FT (2400 mm)**
- **4.5 FT (2700 mm)**
- **5.0 FT (3000 mm)**
- **5.5 FT (3300 mm)**
- **6.0 FT (3600 mm)**
- **6.5 FT (3900 mm)**
- **7.0 FT (4200 mm)**
- **7.5 FT (4500 mm)**
- **8.0 FT (4800 mm)**
- **8.5 FT (5100 mm)**
- **9.0 FT (5400 mm)**
- **9.5 FT (5700 mm)**
- **10.0 FT (6000 mm)**
- **10.5 FT (6300 mm)**
- **11.0 FT (6600 mm)**
- **11.5 FT (6900 mm)**
- **12.0 FT (7200 mm)**

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