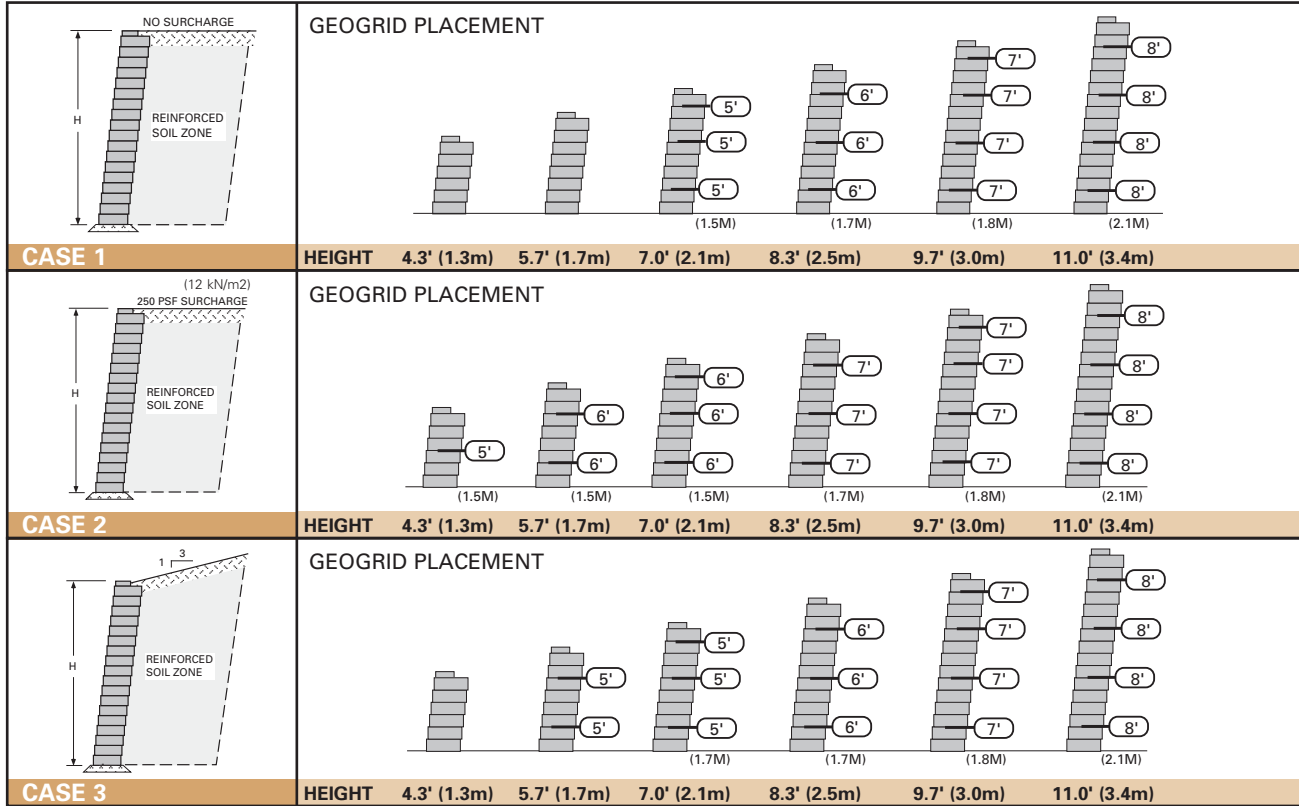


# Design Charts - Reinforced Wall Charts

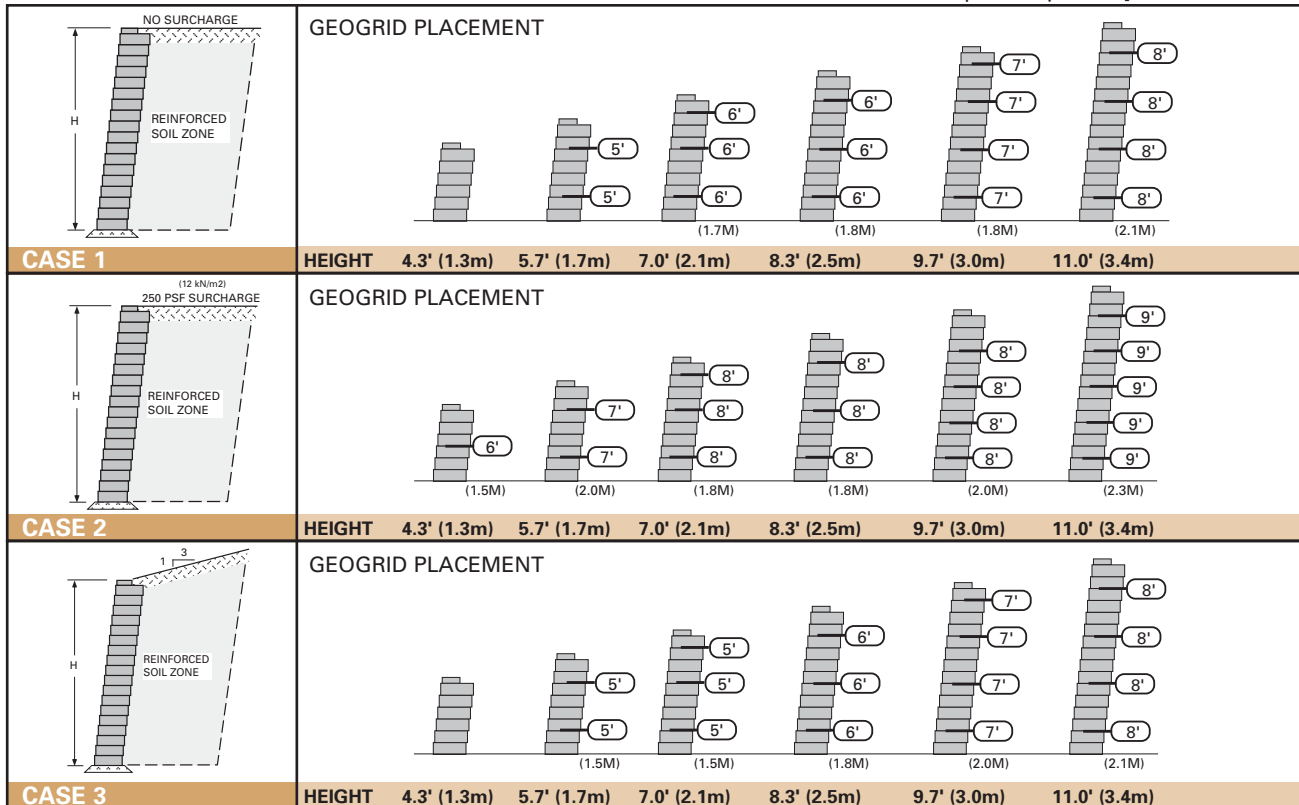
## STANDARD UNITS - 1" (25mm) SET BACK

SAND/GRAVEL:  $\phi=34^\circ$ ,  $\gamma=120$  pcf (19kN/m<sup>3</sup>)



## STANDARD UNITS - 1" (25mm) SET BACK

SILTY SAND:  $\phi=30^\circ$ ,  $\gamma=120$  pcf (19kN/m<sup>3</sup>)

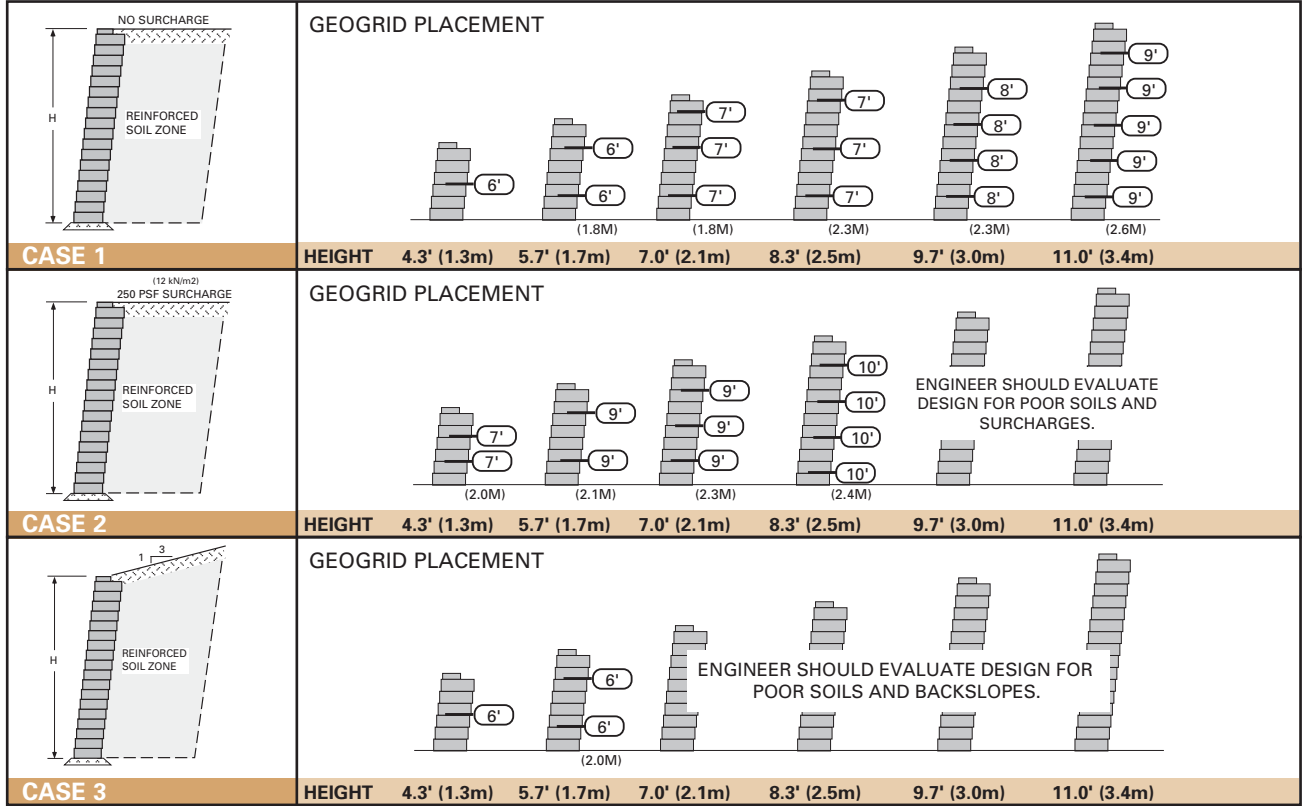


The information contained herein has been compiled by Keystone® Retaining Wall Systems, Inc. and to the best of our knowledge, accurately represents the Keystone product use in the applications which are illustrated. Final determination of the suitability for the use contemplated and its manner of use are the sole responsibility of the user. Structural design and analysis shall be performed by a qualified engineer.

# Design Charts - Reinforced Wall Charts

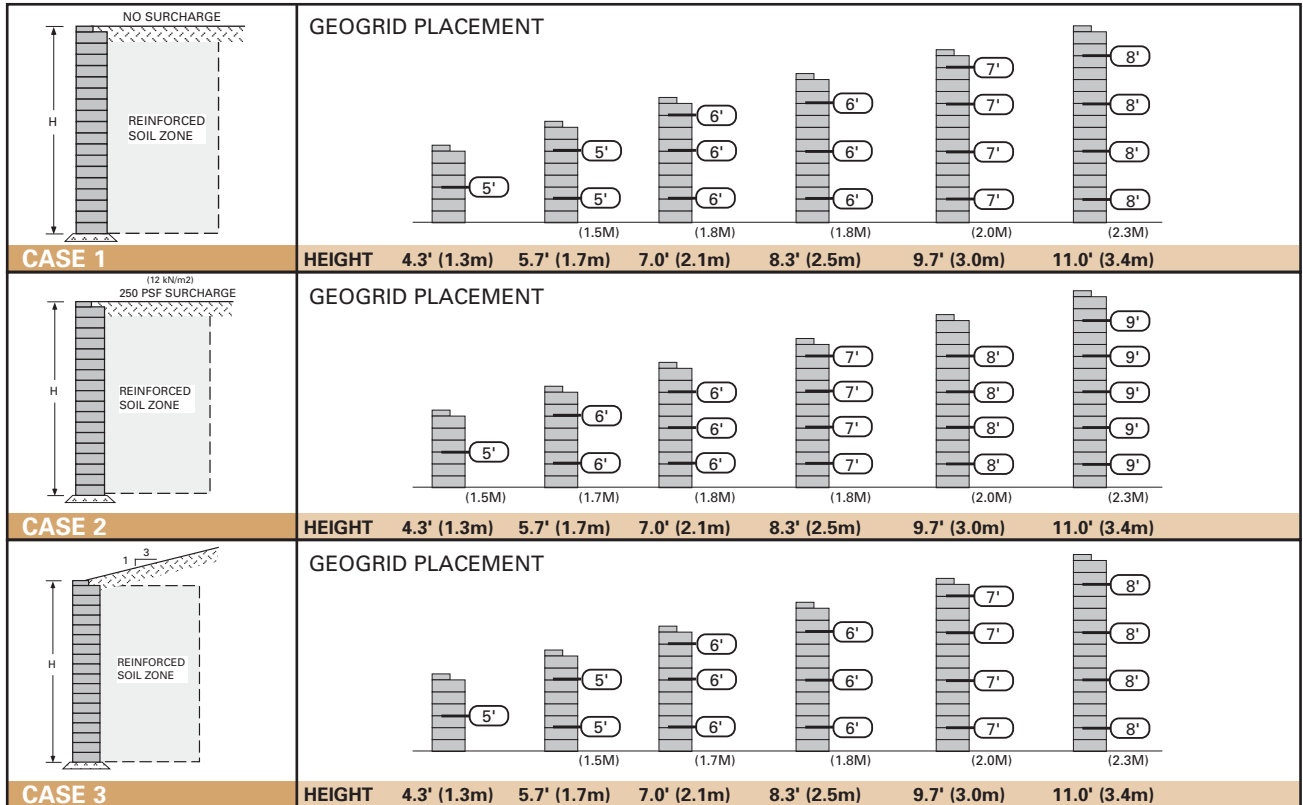
**STANDARD UNITS - 1" (25mm) SET BACK**

**SILT/LEAN CLAY:  $\phi=26^\circ$ ,  $\gamma=120$  pcf (19kN/m<sup>3</sup>)**



**STANDARD UNITS - NEAR VERTICAL**

**SAND/GRAVEL:  $\phi=34^\circ$ ,  $\gamma=120$  pcf (19kN/m<sup>3</sup>)**

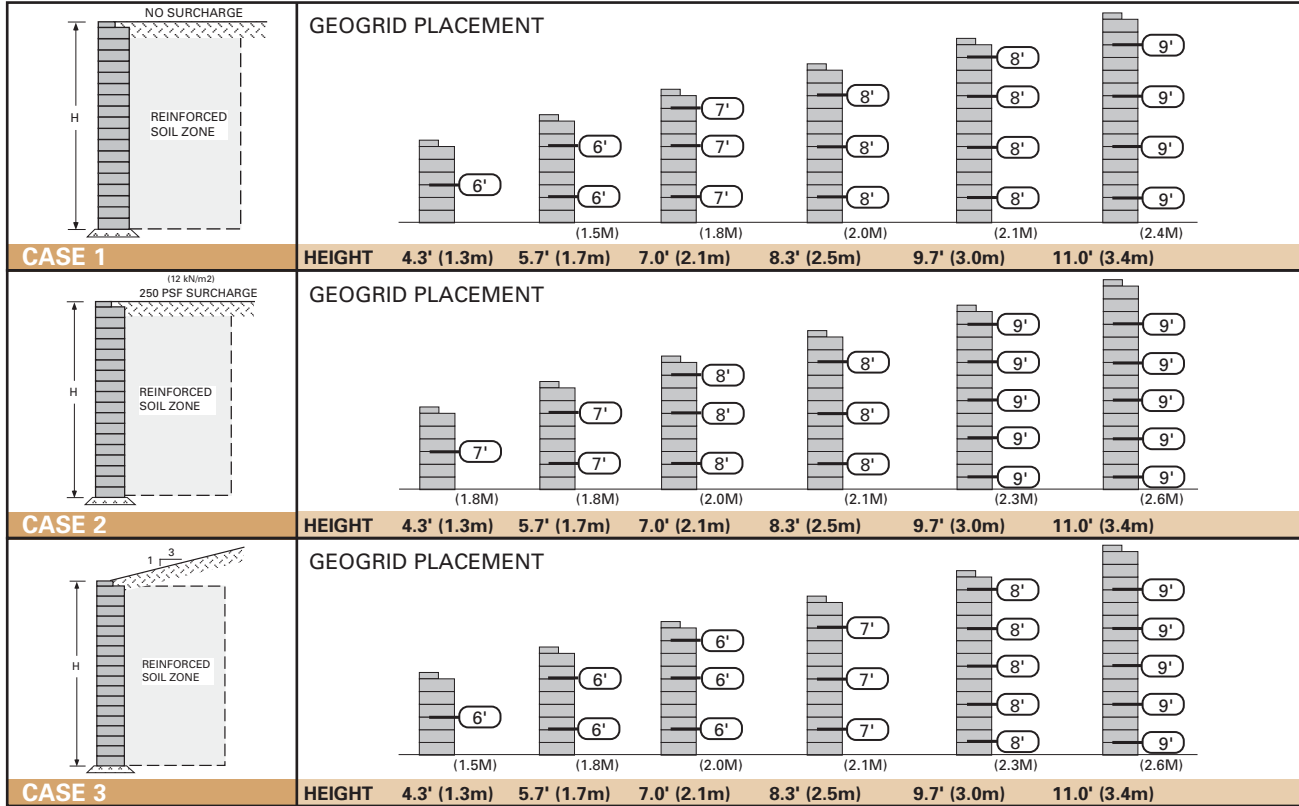


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# Design Charts - Reinforced Wall Charts

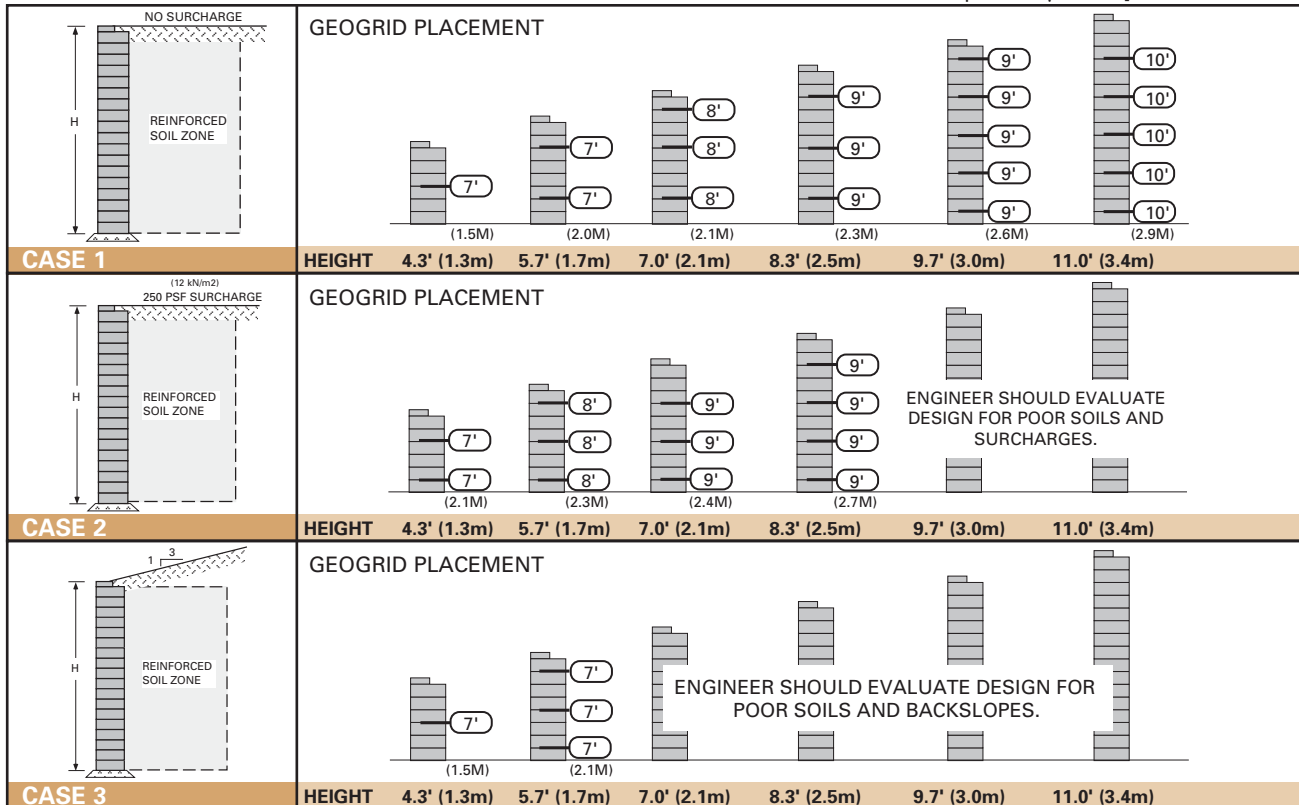
## STANDARD UNITS - NEAR VERTICAL

SILTY SAND:  $\phi=30^\circ$ ,  $\gamma=120$  pcf (19kN/m<sup>3</sup>)



## STANDARD UNITS - NEAR VERTICAL

SILTY/LEAN CLAY:  $\phi=26^\circ$ ,  $\gamma=120$  pcf (19kN/m<sup>3</sup>)



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