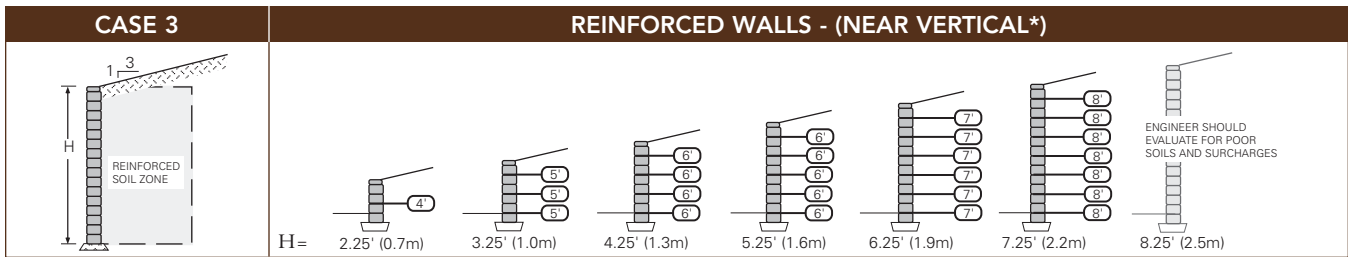
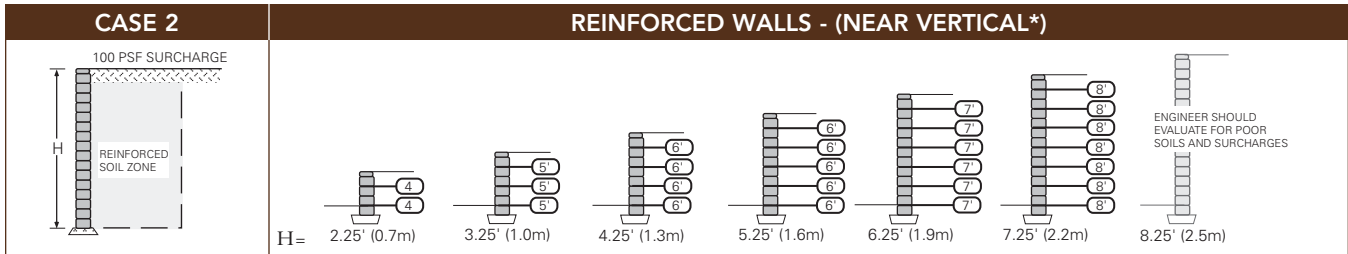
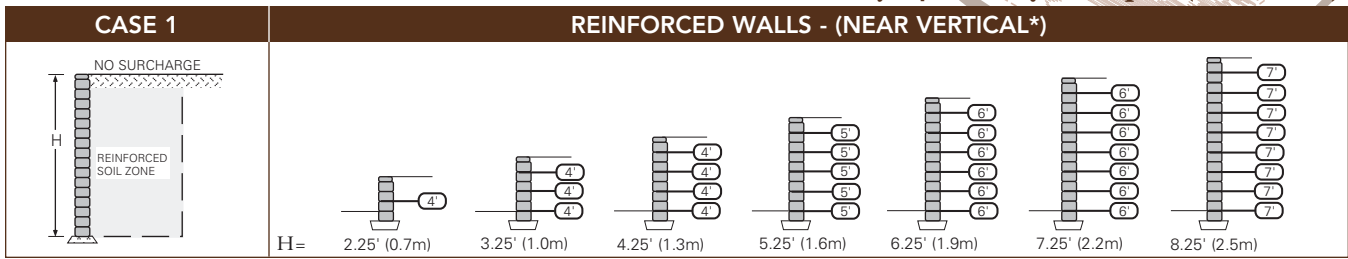
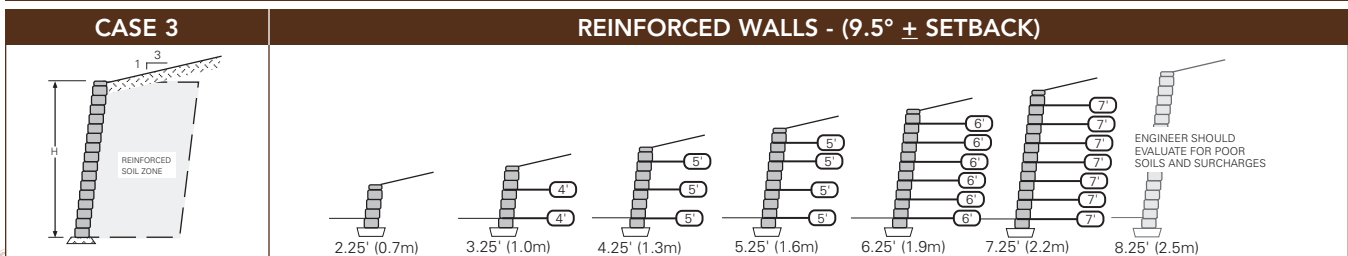
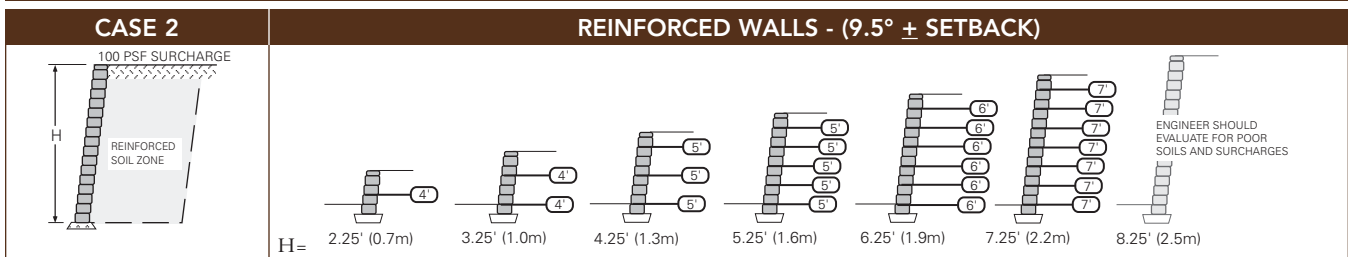
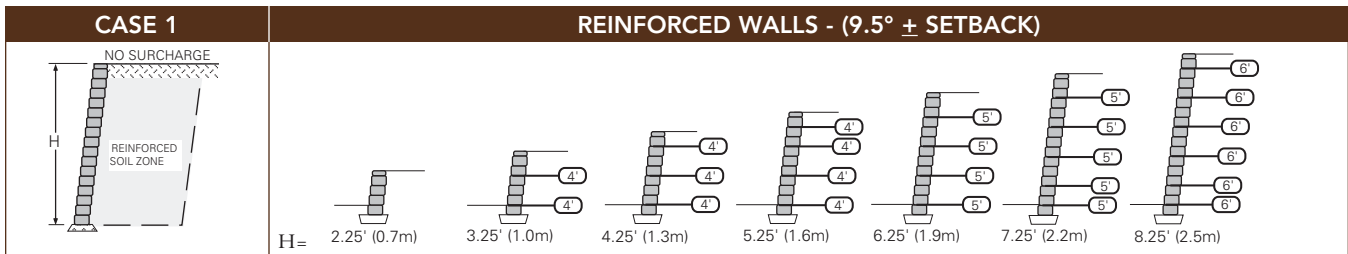


The following charts assume the use of a coated polyester geogrid with a minimum allowable design strength of:  
 LTDS = 750 plf (10.9 kN/m) or Tal = 500 plf (7.3 kN/m)

Silt/Lean Clay:  $\phi=26^\circ$ ,  $\gamma=120$  pcf (19kN/m<sup>3</sup>)



\*FOR CONSTRUCTION OF NEAR VERTICAL BATTER (CENTER PIN HOLE), CONSTRUCT WITH POSITIVE BATTER BY TILTING UNITS BACK TOWARDS FILL ON LEVELING PAD. ELEVATION DROP ALONG THE 10" WIDTH OF THE BLOCK TO BE 3/8".

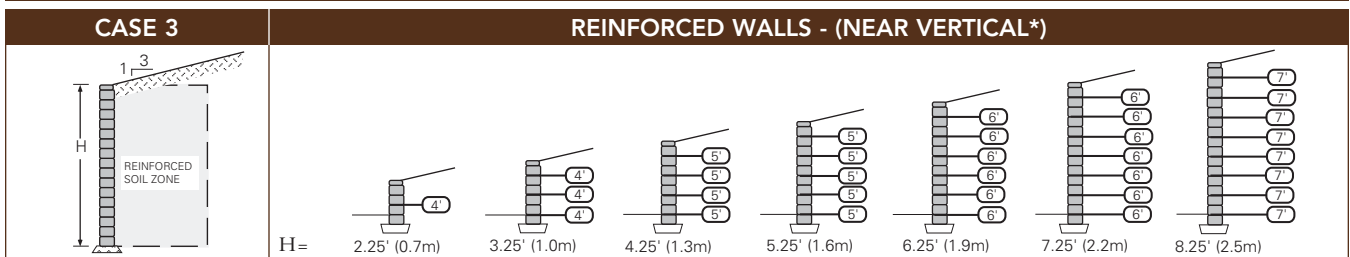
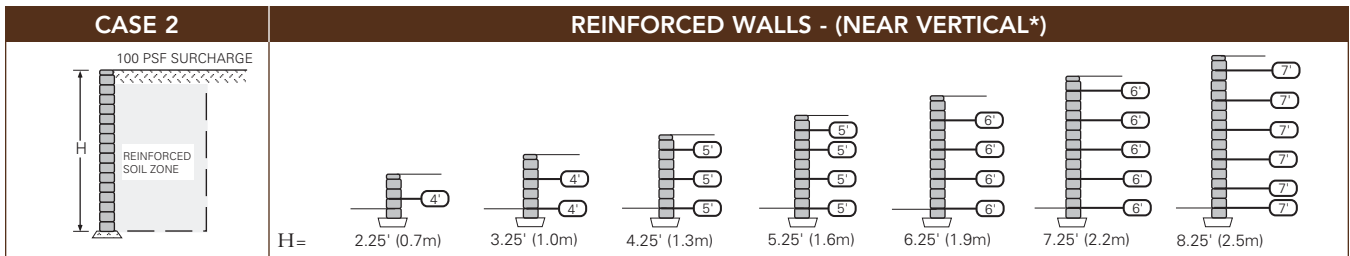
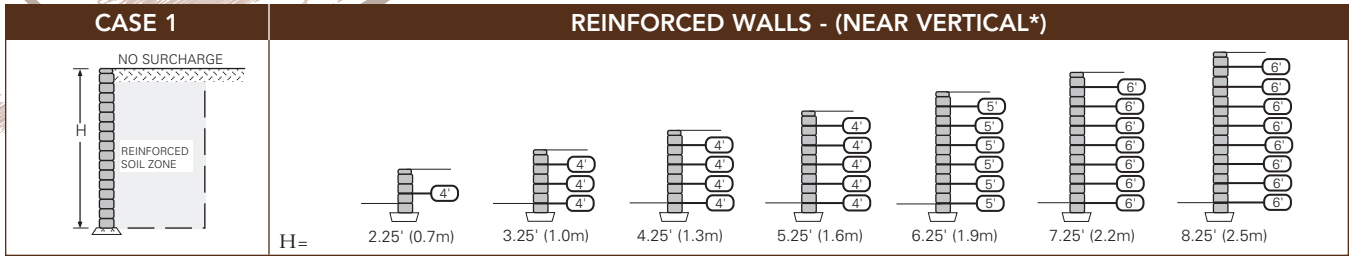


• The information provided herein is for preliminary design use only. A qualified engineer should be consulted for design and analysis of structures. Keystone Retaining Wall Systems, Inc. assumes no liability for the improper use of this information. \*Information on specific geogrids is available from the geogrid manufacturer.

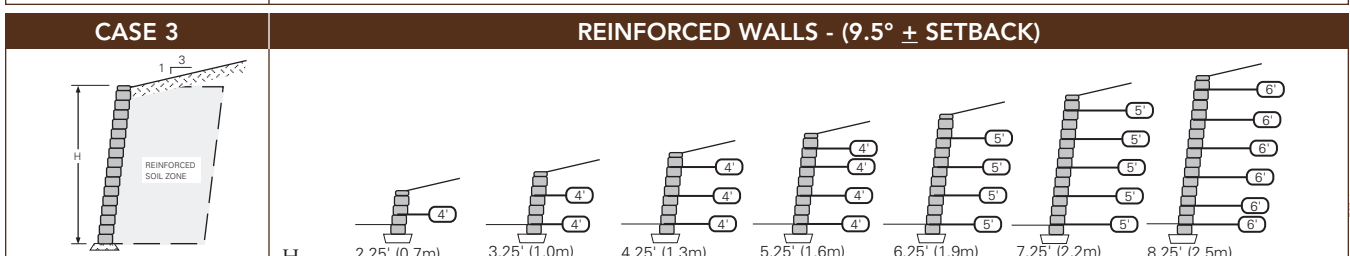
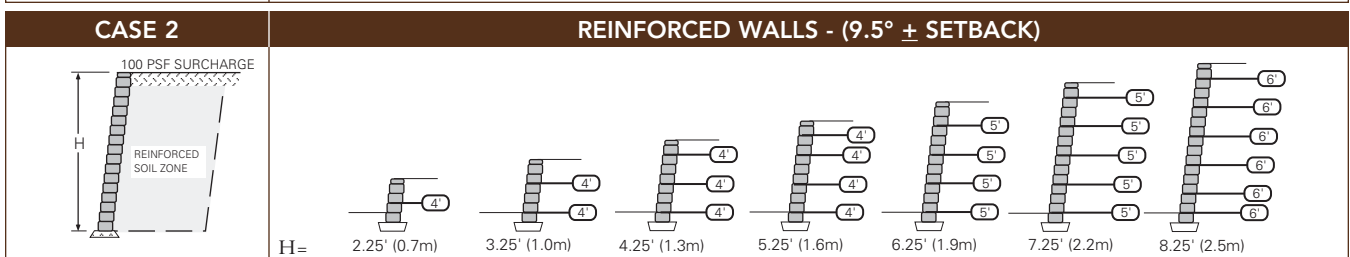
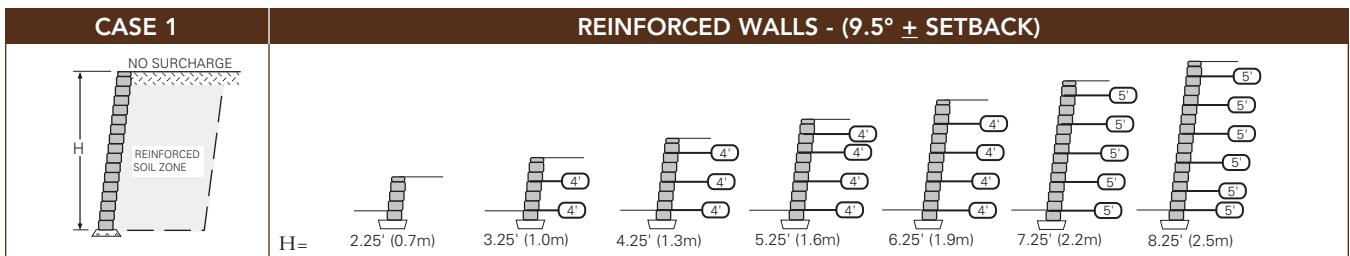
# Design Charts

Silty Sand:  $\phi=30^\circ$ ,  $\gamma=120$  pcf ( $19\text{kN/m}^3$ )

The following charts assume the use of a coated polyester geogrid with a minimum allowable design strength of:  
 LTDS = 750 plf (10.9 kN/m) or Tal = 500 plf (7.3 kN/m)



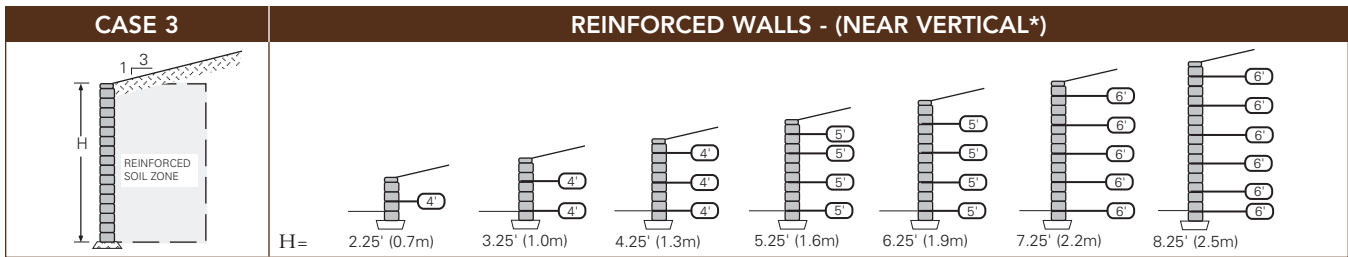
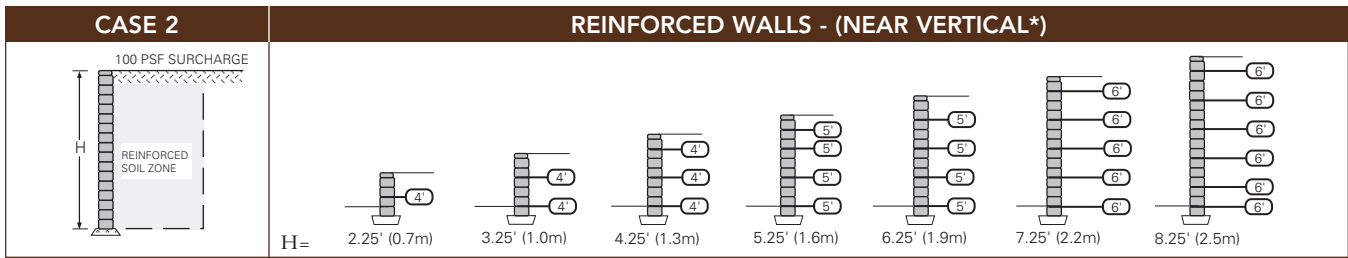
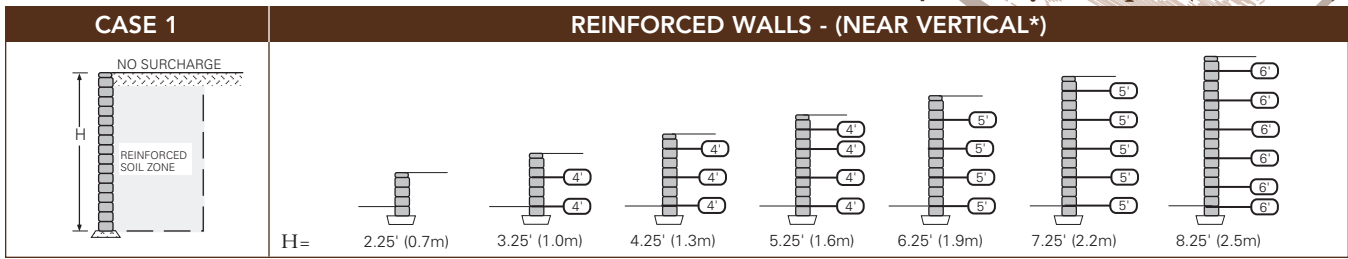
\*FOR CONSTRUCTION OF NEAR VERTICAL BATTER (CENTER PIN HOLE), CONSTRUCT WITH POSITIVE BATTER BY TILTING UNITS BACK TOWARDS FILL ON LEVELING PAD. ELEVATION DROP ALONG THE 10" WIDTH OF THE BLOCK TO BE 3/8".



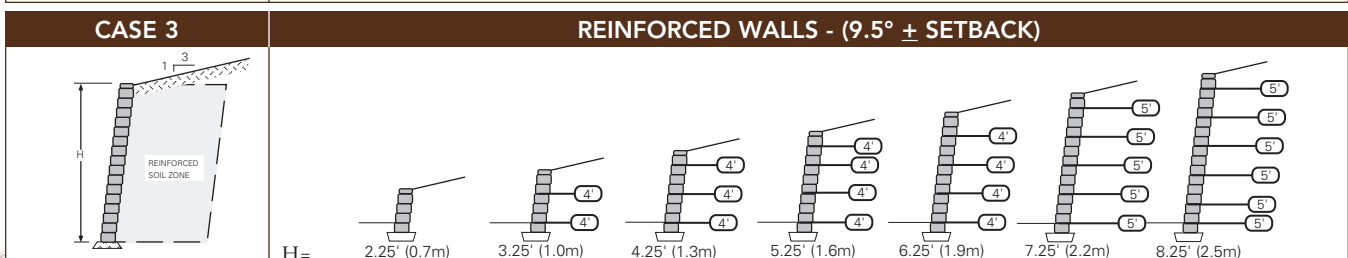
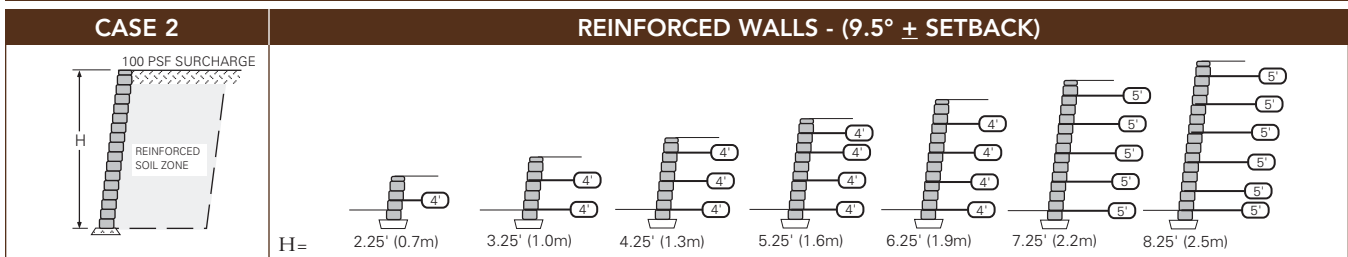
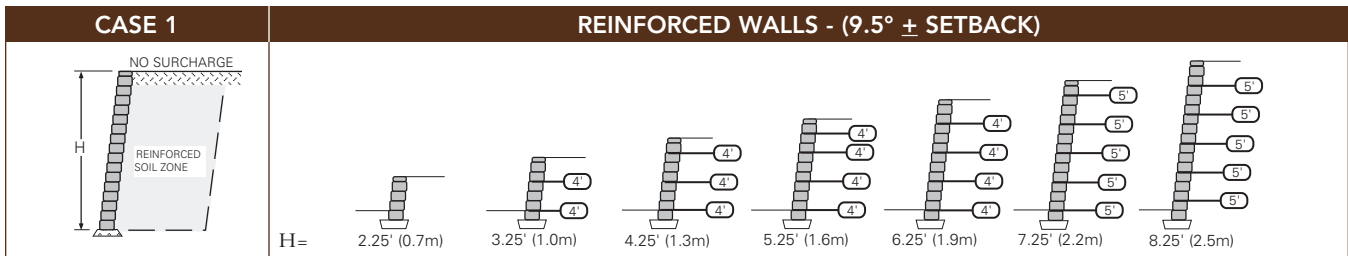
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The following charts assume the use of a coated polyester geogrid with a minimum allowable design strength of:  
 LTDS = 750 plf (10.9 kN/m) or Tal = 500 plf (7.3 kN/m)

Sand/Gravel:  $\phi=34^\circ$ ,  $\gamma=120$  pcf ( $19\text{kN/m}^3$ )



\*FOR CONSTRUCTION OF NEAR VERTICAL BATTER (CENTER PIN HOLE), CONSTRUCT WITH POSITIVE BATTER BY TILTING UNITS BACK TOWARDS FILL ON LEVELING PAD. ELEVATION DROP ALONG THE 10" WIDTH OF THE BLOCK TO BE 3/8".



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