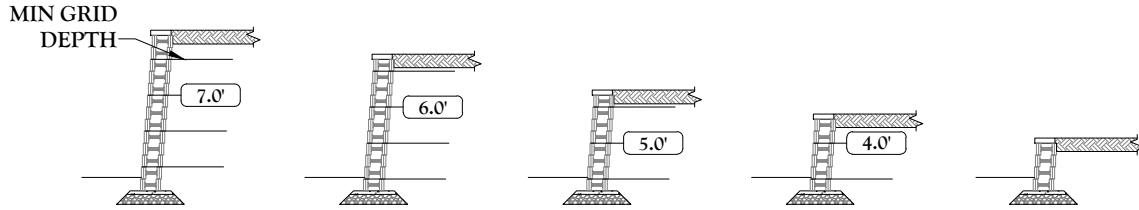
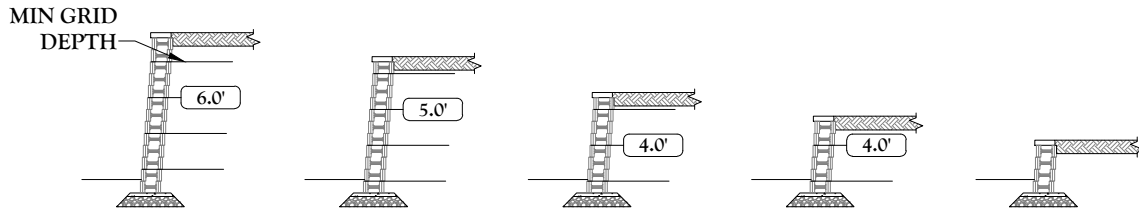


SANDY LEAN CLAY 26° ϕ ANGLE AND NO SURCHARGE.
WALLS UNDER 2.59' TOTAL HEIGHT MAY BE
CONSTRUCTED AS GRAVITY WALLS.



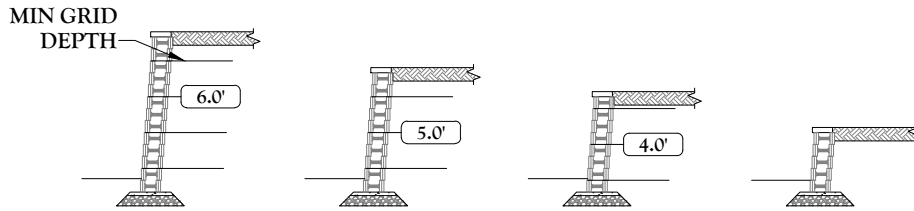
HEIGHT	7.86' - 7.27'	6.69' - 5.52'	4.93' - 4.35'	3.76' - 3.18'	2.59'	
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SILTY SAND 30° ϕ ANGLE AND NO SURCHARGE.
WALLS UNDER 2.59' TOTAL HEIGHT MAY BE
CONSTRUCTED AS A GRAVITY WALL.



HEIGHT	7.86' - 7.27'	6.69' - 5.52'	4.93' - 4.35'	3.76' - 3.18'	2.59'	
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SELECT GRANULAR 34° ϕ ANGLE AND NO SURCHARGE.
WALLS UNDER 3.18' TOTAL HEIGHT MAY BE
CONSTRUCTED AS A GRAVITY WALL.



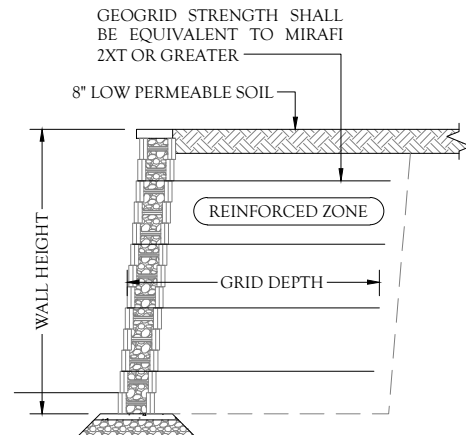
HEIGHT	7.86' - 6.69'	6.10' - 5.52'	4.93' - 3.76'	3.18'		
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**BELGARD - TANDEM WALL™
REINFORCED GEOGRID DEPTHS
(NO SURCHARGE)**

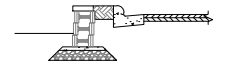
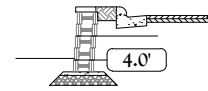
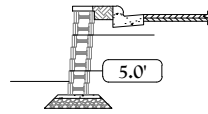
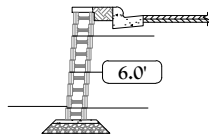
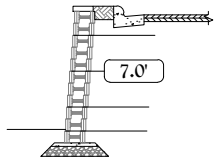
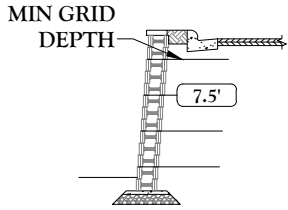
Notes: Calculations assume a unit weight of 120 LBS/CF Assumed for all soil types. Assumed ϕ angles for earth pressure calculations are: Select Granular = 34°, Silty Sand = 30°, and Sandy Lean Clay = 26°. Non critical structures with safety factor >1.5. Sliding calculations assume 6" crushed stone leveling pad as compacted foundation material. The information provided is for preliminary design use only. A qualified Professional Engineer shall be consulted. Belgard accepts no liability for the improper use of these tables.



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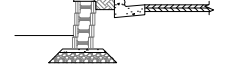
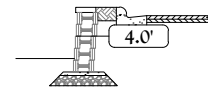
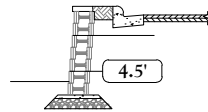
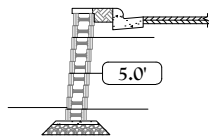
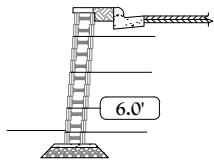
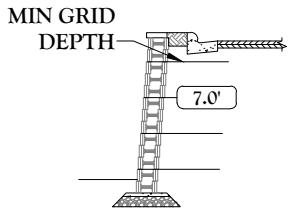


SANDY LEAN CLAY 26° ϕ ANGLE AND 250 PSF SURCHARGE. WALLS UNDER 2.01' TOTAL HEIGHT MAY BE CONSTRUCTED AS GRAVITY WALLS.



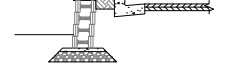
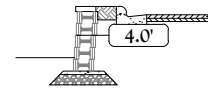
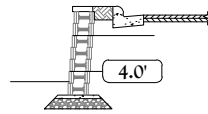
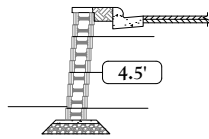
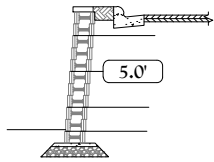
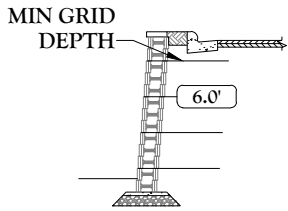
HEIGHT	7.86' - 7.27'	6.69' - 6.10'	5.52' - 4.93'	4.35' - 3.76'	3.18' - 2.01'	2.01'
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SILTY SAND 30° ϕ ANGLE AND 250 PSF SURCHARGE. WALLS UNDER 2.59' TOTAL HEIGHT MAY BE CONSTRUCTED AS A GRAVITY WALL.



HEIGHT	7.86' - 7.27'	6.69' - 6.10'	5.52' - 4.93'	4.35' - 3.76'	3.18'	2.59'
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SELECT GRANULAR 34° ϕ ANGLE AND 250 PSF SURCHARGE. WALLS UNDER 2.59' TOTAL HEIGHT MAY BE CONSTRUCTED AS A GRAVITY WALL.



HEIGHT	7.86' - 7.27'	6.69' - 6.10'	5.52' - 4.93'	4.35' - 3.76'	3.18'	2.59'
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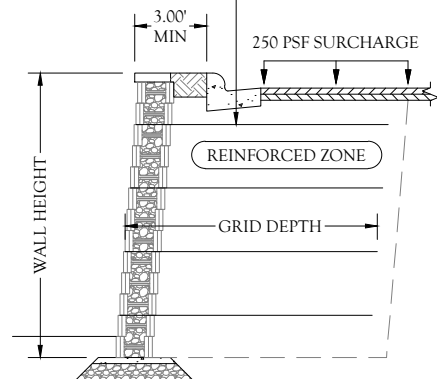
BELGARD - TANDEM WALL™ REINFORCED GEOGRID DEPTHS (250 PSF LIVE LOAD)

Notes: Calculations assume a unit weight of 120 LBS/CF Assumed for all soil types. Assumed ϕ angles for earth pressure calculations are: Select Granular = 34°, Silty Sand = 30°, and Sandy Lean Clay = 26°. Non critical structures with safety factor >1.5. Sliding calculations assume 6" crushed stone leveling pad as compacted foundation material. The information provided is for preliminary design use only. A qualified Professional Engineer shall be consulted. Belgard accepts no liability for the improper use of these tables.

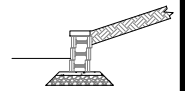
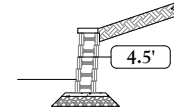
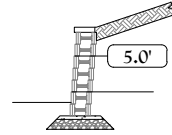
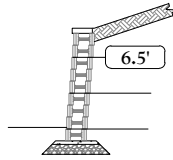
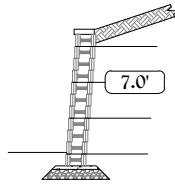
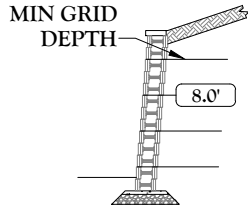


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GEOGRID STRENGTH SHALL BE EQUIVALENT TO MIRAFI 2XT OR GREATER

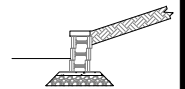
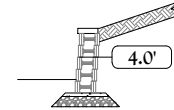
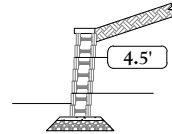
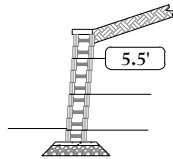
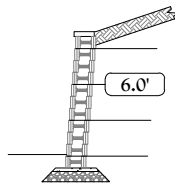
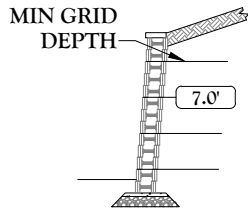


SANDY LEAN CLAY $26^\circ \phi$ ANGLE AND 3H:1V BACK SLOPE. WALLS UNDER 2.01' TOTAL HEIGHT MAY BE CONSTRUCTED AS GRAVITY WALLS.



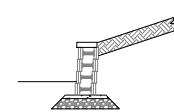
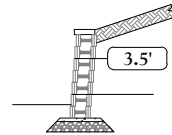
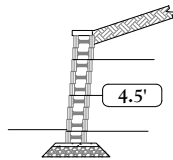
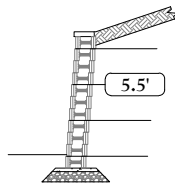
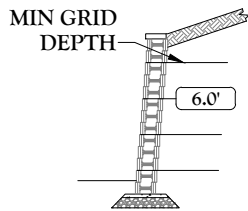
HEIGHT	7.86' - 7.27'	6.69' - 6.10'	5.52' - 4.93'	4.35' - 3.76'	3.18' - 2.59'	2.01'
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SILTY SAND $30^\circ \phi$ ANGLE AND 3H:1V BACK SLOPE. WALLS UNDER 2.01' TOTAL HEIGHT MAY BE CONSTRUCTED AS A GRAVITY WALL.



HEIGHT	7.86' - 7.27'	6.69' - 6.10'	5.52' - 4.93'	4.35' - 3.76'	3.18' - 2.59'	2.01'
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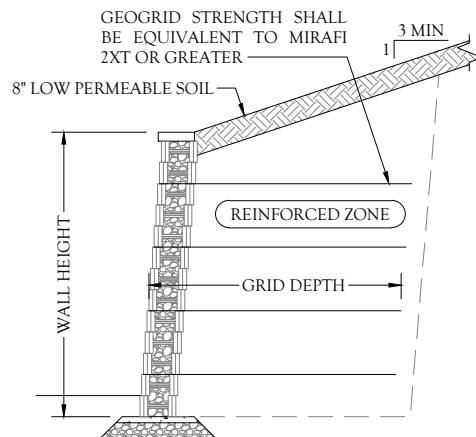
SELECT GRANULAR $34^\circ \phi$ ANGLE AND 3H:1V BACK SLOPE. WALLS UNDER 2.59' TOTAL HEIGHT MAY BE CONSTRUCTED AS A GRAVITY WALL.



HEIGHT	7.86' - 7.27'	6.69' - 6.10'	5.52' - 4.93'	4.35' - 3.18'	2.59'	
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BELGARD - TANDEM WALL™ REINFORCED GEOGRID DEPTHS (3H:1V BACK SLOPE)

Notes: Calculations assume a unit weight of 120 LBS/CF Assumed for all soil types. Assumed ϕ angles for earth pressure calculations are: Select Granular = 34° , Silty Sand = 30° , and Sandy Lean Clay = 26° . Non critical structures with safety factor >1.5 . Sliding calculations assume 6" crushed stone leveling pad as compacted foundation material. The information provided is for preliminary design use only. A qualified Professional Engineer shall be consulted. Belgard accepts no liability for the improper use of these tables.



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