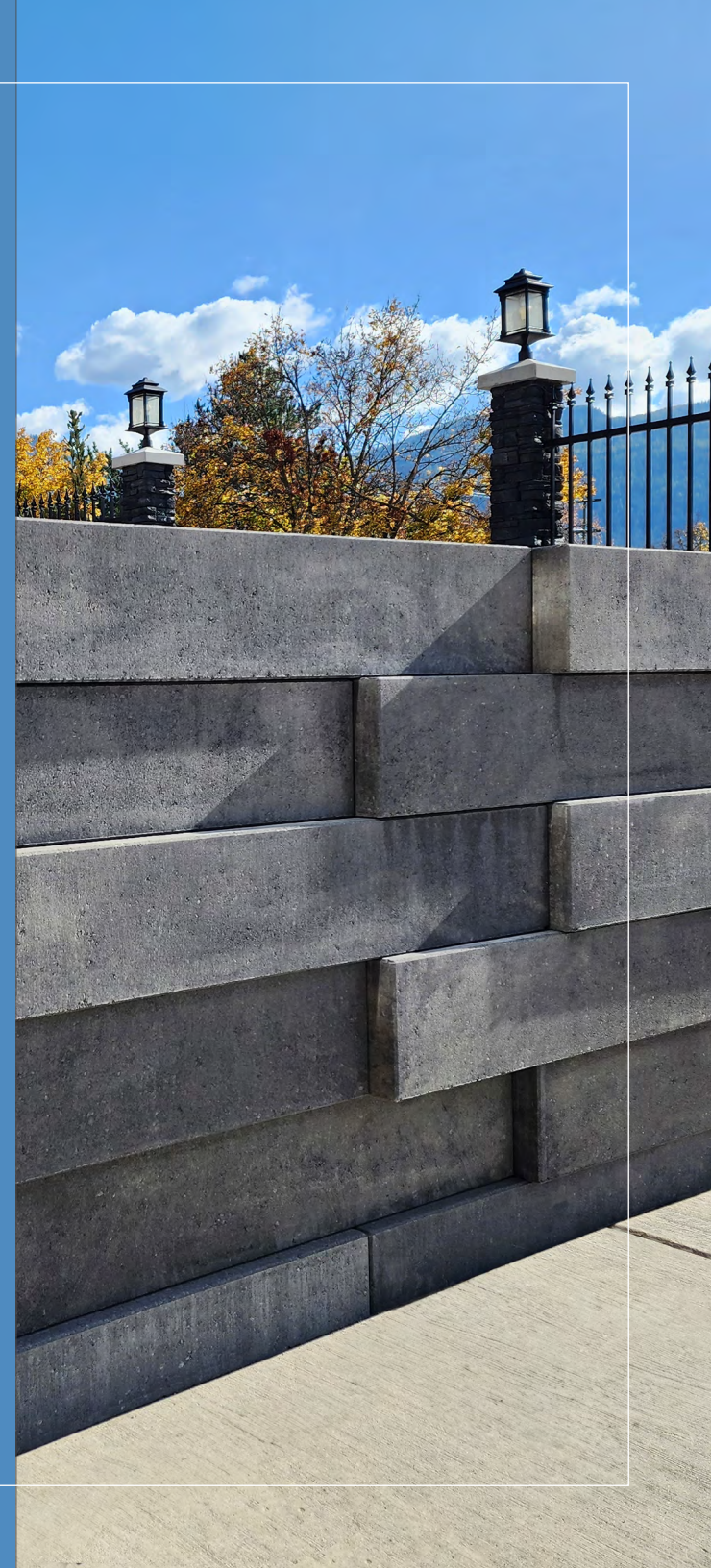


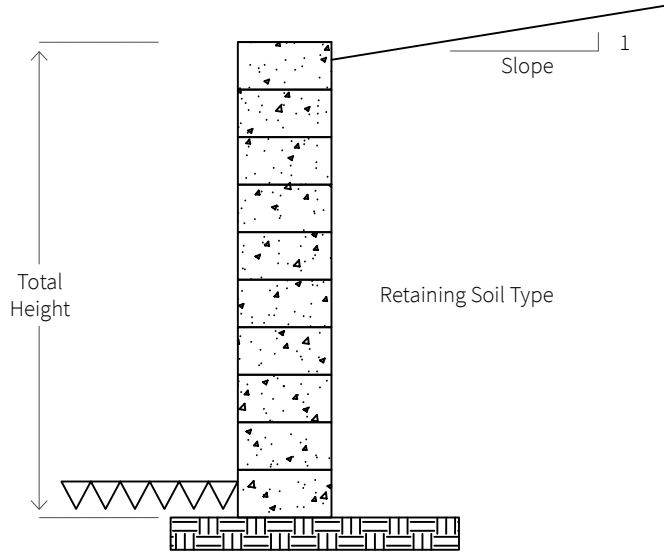
barkman™

KEYSTONE  
**LINEAR**

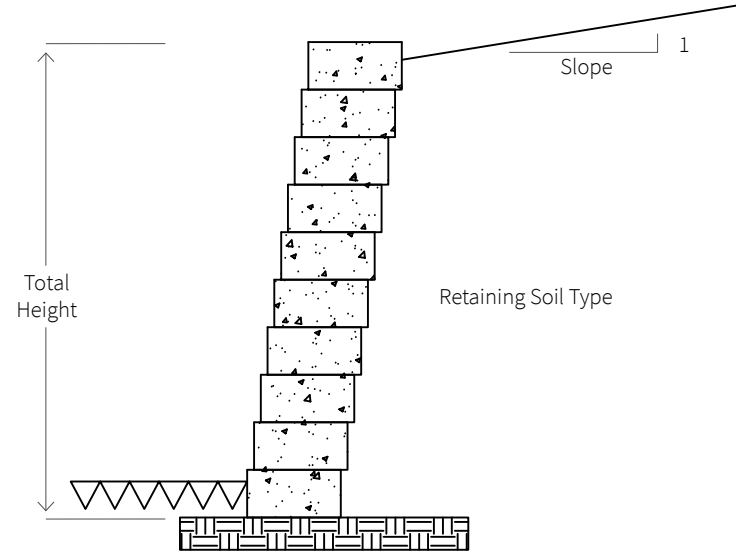
Design Estimating Charts



**VERTICAL GRAVITY WALL**



**SETBACK GRAVITY WALL**



**NCMA GRAVITY CHART: LINEAR WALL (UNIT AND CAP HEIGHT = 178MM) - VERTICAL**

SOIL TYPE	LEVEL	4H:1V (14°)	3H:1V (18.4°)	2H:1V (26°)
Gravel ( $\phi=34^\circ$ , $\gamma=19$ KN/m <sup>3</sup> )	1068mm	890mm	890mm	712mm
Sand ( $\phi=30^\circ$ , $\gamma=19$ KN/m <sup>3</sup> )	890mm	712mm	712mm	534mm
Clay ( $\phi=26^\circ$ , $\gamma=19$ KN/m <sup>3</sup> )	890mm	712mm	534mm	356mm

**NCMA GRAVITY CHART: LINEAR WALL (UNIT AND CAP HEIGHT = 178MM) - SETBACK**

SOIL TYPE	LEVEL	4H:1V (14°)	3H:1V (18.4°)	2H:1V (26°)
Gravel ( $\phi=34^\circ$ , $\gamma=19$ KN/m <sup>3</sup> )	1424mm	1246mm	1068mm	890mm
Sand ( $\phi=30^\circ$ , $\gamma=19$ KN/m <sup>3</sup> )	1246mm	890mm	890mm	712mm
Clay ( $\phi=26^\circ$ , $\gamma=19$ KN/m <sup>3</sup> )	890mm	712mm	712mm	356mm

