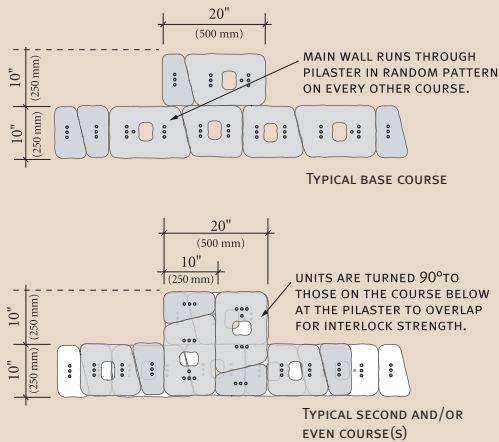
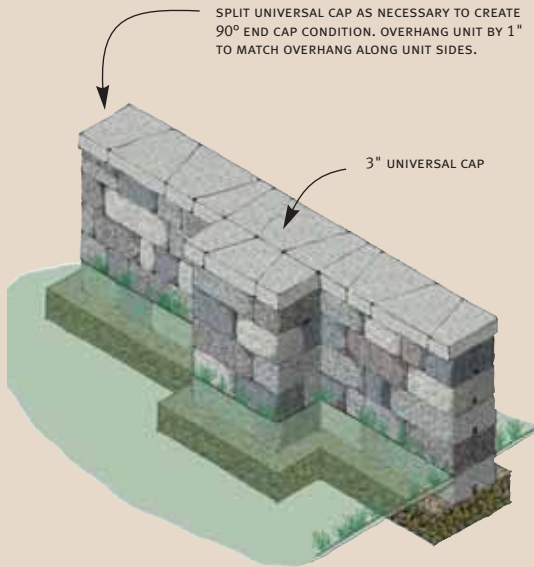




PILASTER DETAIL

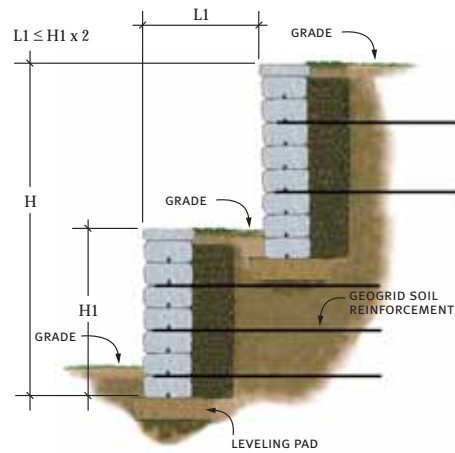
The pilaster detail creates a deeper wall section within the wall which can provide stability for a retaining structure, freestanding wall or parapet.



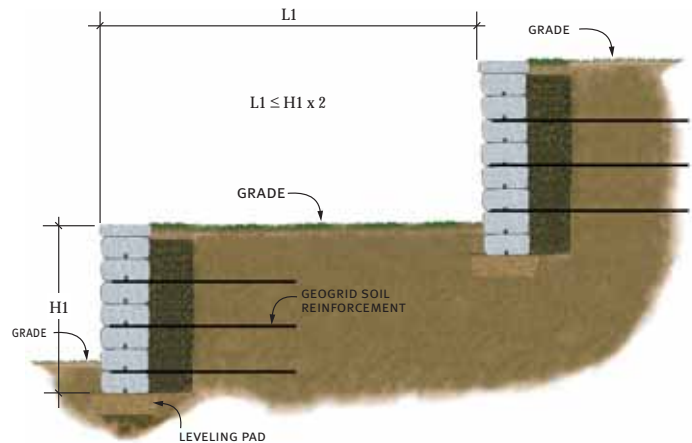
TERRACES

Terraces are a pleasing way to build a taller retaining wall where aesthetics dictate the separation of walls to reduce the wall height and large mass appearance. Closely spaced terraces need to be reviewed by a qualified engineer to avoid global instability issues and to make sure soil reinforcement (geogrids) are properly designed to handle the loads for the entire wall structure. Terraced walls should be analyzed as a complete wall system versus individual walls unless they are spread apart greater than twice the wall height of each terrace and the soils are free draining and granular in nature.

Terrace Wall Proximity Evaluation



For walls where $L1 \leq H1 \times 2$, then the walls are to be considered as a composite and the entire wall height (H) needs to be considered in the design.



For walls where $L1 \geq H1 \times 2$, then the walls typically are analyzed separately. Walls built on slopes $\geq 3:1$ or on soft soils need to be analyzed for "global stability". Consult a qualified engineer.