

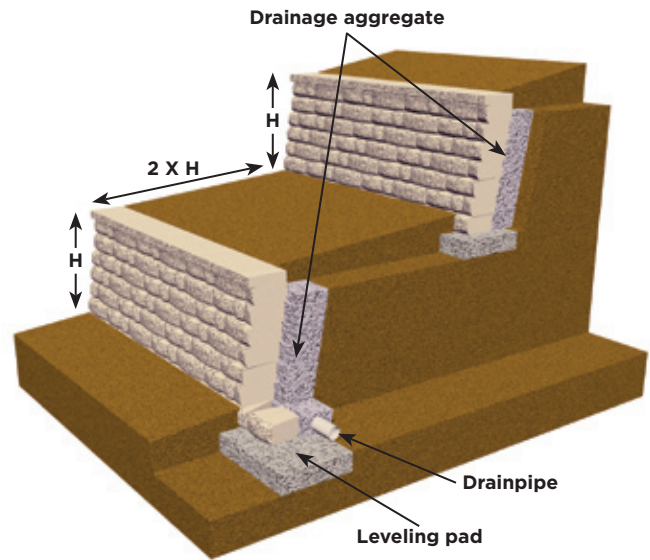
Terraces

MULTIPIECE SYSTEM INSTALLATION GUIDELINES

INDEPENDENT TERRACED WALLS

For each wall to be independent of others, they must be built using a 2:1 ratio. The upper wall must be built a distance away from the lower wall of at least twice the height of the lower wall. In addition, the upper wall must also be equal to or less than the height of the lower wall. Exceptions to this general rule include weak soil conditions or where slopes exist above, below or between wall locations. For example, if the lower terrace is 4 feet tall, the distance between the terraces must be at least 8 feet and the upper wall must not be higher than 4 feet.

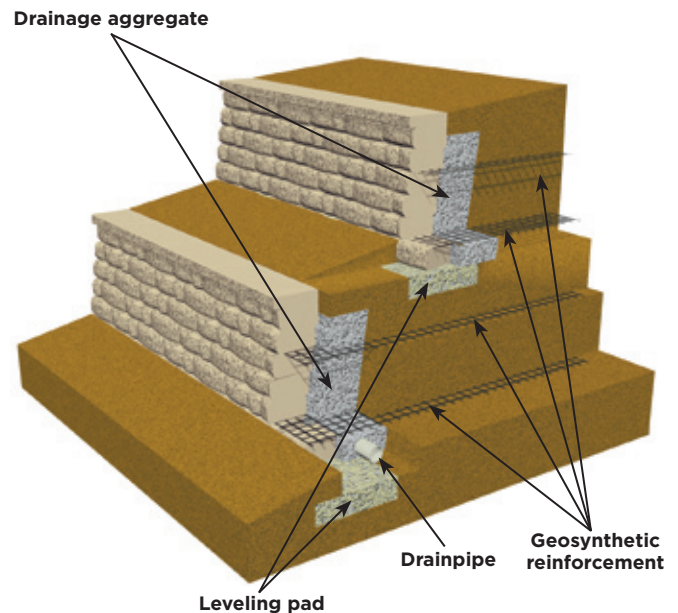
Proper drainage is vital to maintaining stable, long-lasting terraced walls. Drainpipe must be installed so that the water is directed around or under the lower wall. (Never place the drain outlet for the upper wall above or behind the lower wall.)



DEPENDENT TERRACED WALLS

When the distance between the lower and upper walls is less than twice the height of the lower wall, the walls become structurally dependent on each other. In this situation, it is important to take global stability into account, incorporating additional reinforcement - and longer layers - into the wall plan. In addition, structurally dependent walls require even more excavation, backfill and time. So plan ahead. Be sure to check the wall plan for specific requirements. For structurally dependent walls, consult with a qualified engineer.

Tip: For more detailed information, see Daylighting and Drainage Swales.



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