

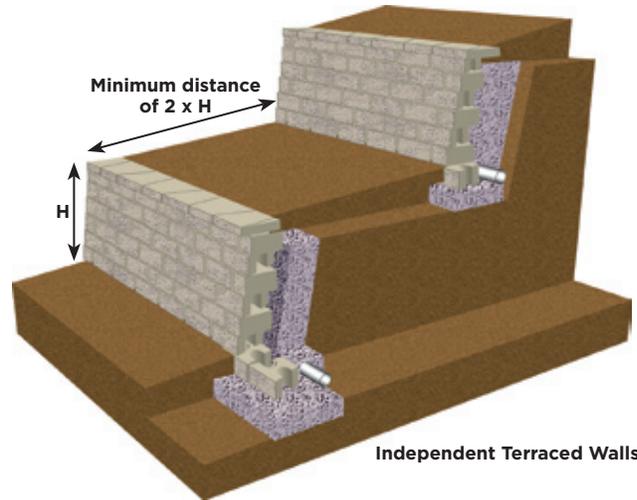
Terraces

SINGLE-PIECE 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 3 feet 4 inches tall the distance to the upper terrace must be at least 6 feet 8 inches, and the upper wall must not be higher than 3 feet 4 inches.

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

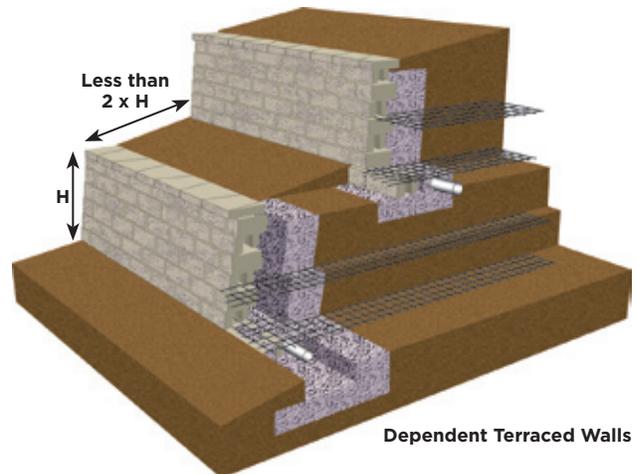


Independent Terraced Walls

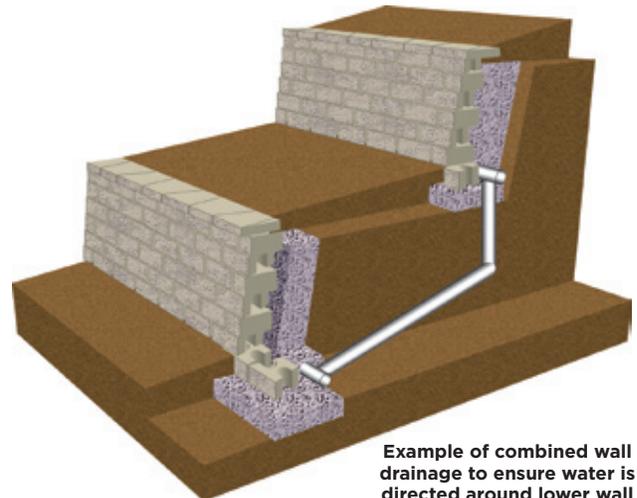
DEPENDENT TERRACED WALLS

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 (the resistance to overall mass movement of the whole SRW system in a circular or sliding mode) into account, incorporating additional reinforcement—and longer layers—into the wall plan. In addition, structurally dependent walls require even more excavation, backfill and time.

For dependent walls, consult a qualified engineer.



Dependent Terraced Walls



Example of combined wall drainage to ensure water is directed around lower wall

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