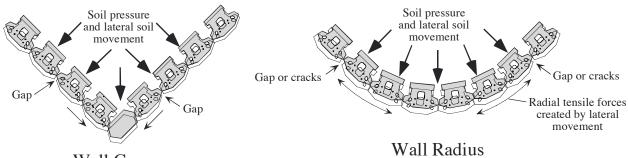
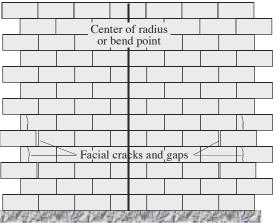


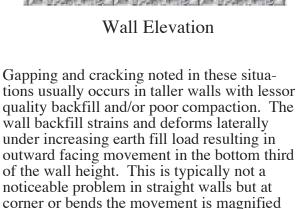
Unit Cracking/Gapping - Corners/Bends

Keystone modular retaining wall structures can tolerate a certain amount of movement due to the flexible nature of the system and small individual unit size. When corners and tight curves are inserted into an otherwise two dimensional system, a third direction of movement can occur which can cause unit cracking or gapping.



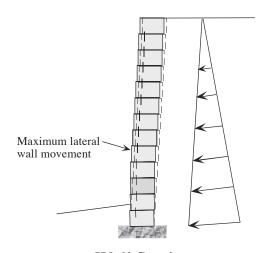
Wall Corner





and can create the gapping and cracking noted due to the buildup of radial tensile forces

along the wall face.



Wall Section

Solution: Use high quality granular fill in tight radius or bend areas in taller walls. Backfill entire zone with 3/4" stone to minimize lateral wall movement.

Wall Translation Potential Active Earth Pressure Theory

Soil Type and Conditon	% of Height
Cohesionless, dense	0.1 to 0.2
Cohesionless, loose	0.2 to 0.4
Cohesive, firm	1.0 to 2.0
Cohesive, soft	2.0 to 5.0