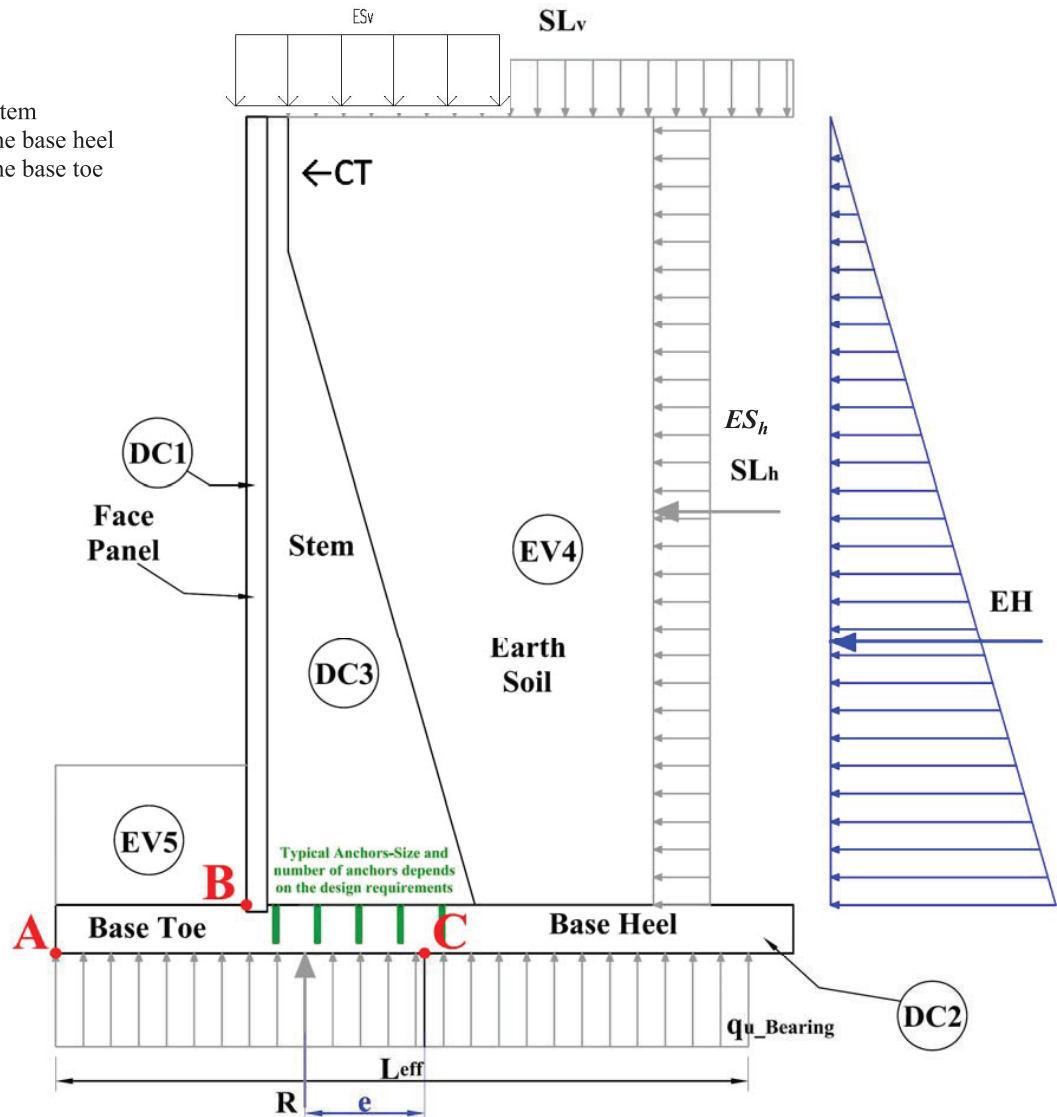




Patent-Pending Counterfort Wall System - Illustration 1

- DC1: Self-weight of face panel
- DC2: Self-weight of base
- DC3: Self-weight of counterfort stem
- EV4: Vertical earth pressure on the base heel
- EV5: Vertical earth pressure on the base toe
- SLv: Vertical surcharge load

- EH: Horizontal earth pressure
- SLh: Horizontal surcharge load
- CT: Vehicular Collision Force
- ESv: Vertical Earth Surcharge
- ESh: Horizontal Earth Surcharge



- R:** Resultant of vertical loads
- e:** eccentricity of resultant
- x_e:** distance from point A to Resultant Force
- q_{u_Bearing}:** equivalent bearing pressure from R distributed over effective Base Area

Figure 1: Loads applied on Counterfort Retaining Wall



Patent-Pending Counterfort Wall System - Illustration 2

