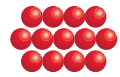
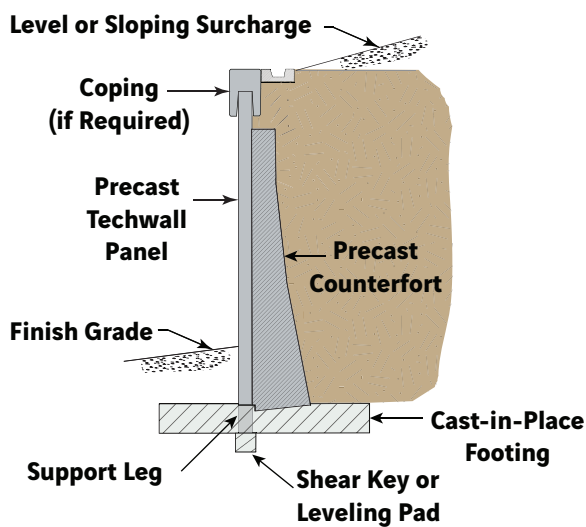


TechWall™

Retaining Wall System



REINFORCED EARTH®



Typical Section

TechWall™ is a precast counterfort retaining wall system which combines counterfort design advantages with the quality and efficiency of precast concrete. Key to the overall efficiency of the system is the superiority of counterforts, acting as equivalent cantilever beams, in resisting lateral earth pressure. While the counterforts are heavily reinforced, the moments in the facing panel are minimized and a relatively thin concrete facing panel may be used.

- Rapid construction - Faster erection process compared to C.I.P.
- Eliminates the need for vertical formwork
- Superior exposed finish - Architectural consistency
- Efficient panel design



TechWall is used when space or design constraints favor a cantilever type wall. Types of constraints include limited right-of-way, roadway widening, large utility zones, construction in cut conditions, soundwall freeboards and more.

CONSTRUCTION SEQUENCE:

- Precast panels are set, each with its two vertical legs resting on a leveling pad or shear key
- Lateral bracing is installed
- Footing forms are erected
- Reinforcing steel is placed and tied
- Footing concrete is poured
- Structure is backfilled

