T-WALL®

Retaining Wall System

REINFORCED EARTH®

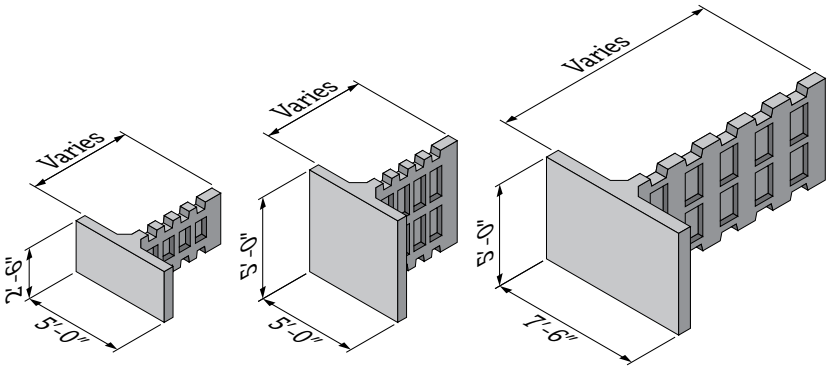
T-WALL® is a gravity retaining wall system, consisting of modular precast concrete units and select backfill. The system is a simple proven solution for grade separation on highway, bridge, railroad, water, commercial applications, and more.

- Precast monolithic units require no separate soil reinforcement or connection.
- Variable length reinforcing stems reduce select backfill quantity as the wall rises in height.
- Durable precast facing units allow for a wide variety of surface textures, or custom artwork.
- Heavy, but stable units, eliminate the need for external bracing during construction.

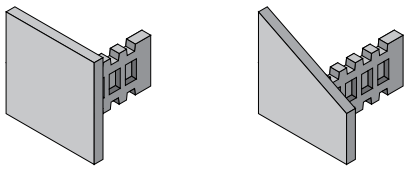
The concrete facing units have monolithic perpendicular stems, forming the shape of a "T". The stems internally stabilize the wall, providing pullout resistance against the lateral earth pressure exerted on the back of the facing. The units are easily stacked without mechanical connections.

T-WALL units come in three sizes, each with its own advantages depending on the application, wall size, and other criteria. Each of the three unit types accommodate varying stem lengths, as well as extended-height and sloped tops for the uppermost wall course. A wide range of standard and custom architectural treatments can be applied to the front face.

T-WALL's design methodology allows for a stem length that varies over the height of the wall. As the courses are stacked, the stems decrease in length and require less select backfill. The robust precast units efficiently provide the stability needed for gravity retaining walls with extreme height and loading.

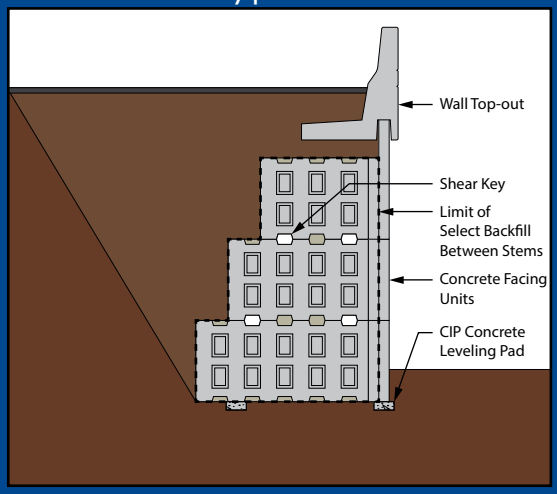


Standard Unit | Double Unit | Large Unit

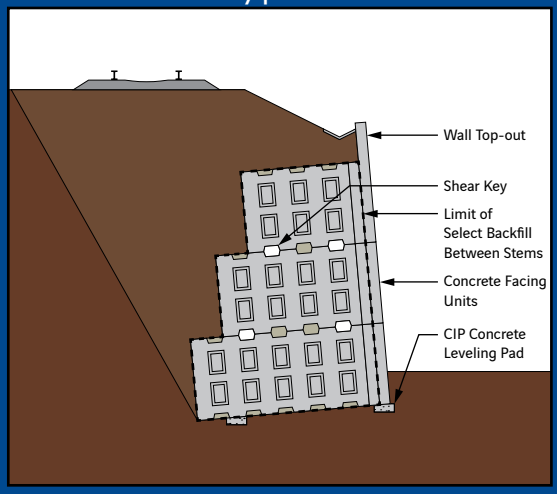


Standard Extended Top Unit | Standard Sloped Top Unit

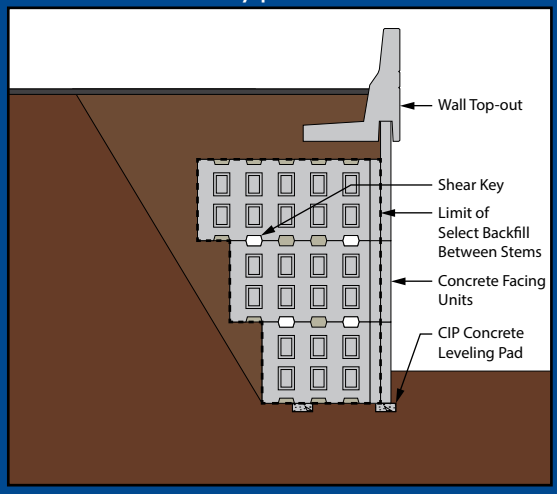
Vertical Typical Section



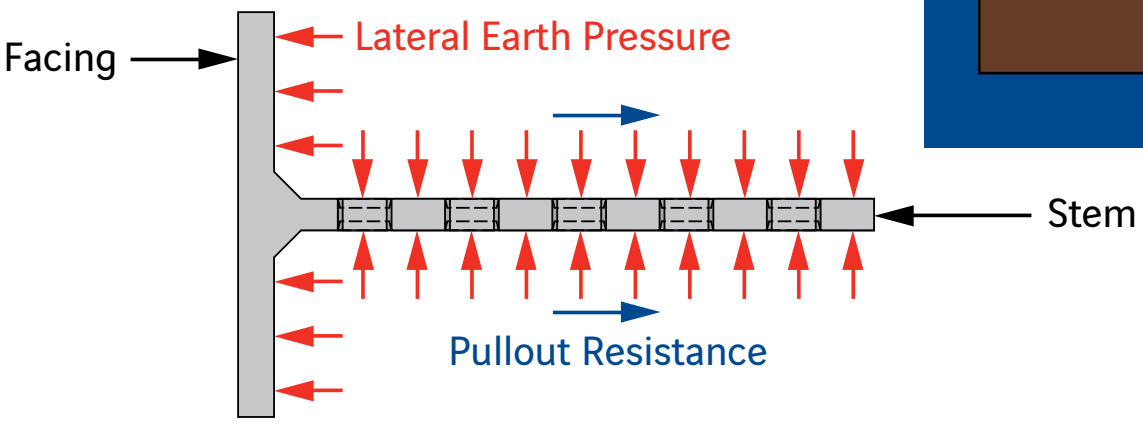
Battered Typical Section



Inverted Typical Section



Internal Stability
Top View



Railway

Highway

Water

Architectural Finishes

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