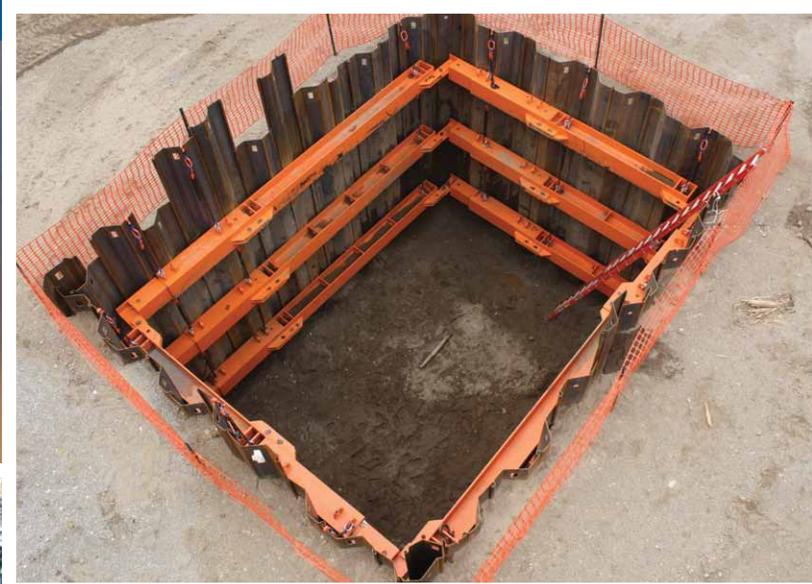




*Trench Protection Specialists*



**ENGINEERED SOLUTIONS**



*Trench Protection Specialists*

**Our purpose is to deliver world class trench protection products and customer solutions by anticipating and going beyond their expectations.**

## Slide Rail:

**The GME\E+S Slide Rail system is a durable, modular dig and push style system that allows for multiple configurations to fit just about any jobsite need.**

The unique, patented design of the GME\E+S Slide Rail system is the only slide rail system in North America with an open track system. The entire slide rail system can be installed in a non-vibratory fashion, making it an ideal system to be used in vibration sensitive zones such as hospitals, next to buildings or near adjacent structures.



### **Open track design for quicker installation**

The open track design allows panels to be swung into place at ground level, instead of requiring a larger machine to lift the panels to the top of the rails for installation. This enables a quicker installation and the use of a smaller machine for installation.



### **Standard and heavy duty Guard Rail System**

Certified by a Registered Professional Engineer to meet O.S.H.A. Fall protection standards, the GME Guard Rail System is available in a standard duty model - using common 2" x 4" boards as railing or in a heavy duty model - featuring a wire mesh design for added safety.

# Consists of 4 main components:

## Panels

Standard sizes from 4'to 8' in height and up to 32' in length. With custom sizes available to fit any job specific needs.

## Corner Rails

Placed in the corner of a three or four-sided system, the corner rails allow panels to be connected at right angles.

## Linear Rails

Used in multiple bay systems, the linear rails (available in standard, medium and heavy-duty models) can provide up to 14' of vertical clearance. Standard lengths from 15' to 30' allowing for multiple excavations depths. With custom sizes available to fit any job specific needs.

## Strut Carts

Used in between the Linear Rails as spreaders, to help maintain the systems stability. Shown with vertical supports, which are recommended for widths greater than 8'



Panels



Corner rails



Linear rails



Strut carts



Linear system



Bore pit or 4-sided system



Sheeting guide system



Weldment guide

## Slide Rail: Types of Systems

### Linear system

With the GME\E+S Slide Rail system, linear systems are able to be installed quickly and easily with the open track design. Excellent for long pipe runs, the linear systems are designed to allow the greatest amount of work to be done, while preserving a safe work space and stability of adjacent buildings and structures.

### Bore pit or 4-sided system

4-Sided systems, ideal for the installations of Pump Stations, large manholes and Bore Pit systems are able to be installed and removed with relative ease using the GME\E+S system.

### Sheeting guide system

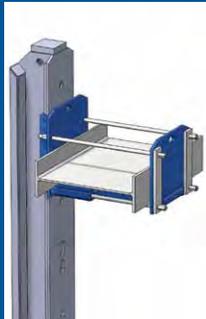
Showing the flexibility of the system, bore pits and existing utilities and be handled using the sheeting guide system. Designed to be used in tandem with a the GME\E+S Slide Rail system, there are 3 different models; Light duty - for use with the **NEW** GME overlap sheeting, Standard duty - 4' high panel, utilizing 4" thick sheeting elements, and the Heavy-duty - 6' high panel, utilizing 6" thick sheeting elements, for the toughest projects, ideal for crossing utilities. All three models are designed to be used without a waler.

### Weldment guide

Also available is the Weldment guide. Used on existing GME\E+S Slide Rail panels, the Weldment guide allows the panels to act as both a slide rail panel and a sheeting guide. The Weldment guide can be designed to accommodate several different sheeting profiles. Ideal for projects with utilities and pipes toward the bottom of the excavation.

# Clear Span Solution:

For larger projects such as, fuel tank installations and cast-in-place projects, the GME\E+S Slide Rail system can provide a clear-span solution. Using external walers and tiebacks, the internal strut carts can be removed to provide an unobstructed working area.



## Tieback System

Using the tieback system, all internal strut carts are able to be removed safely from a system. As opposed to other systems, once the tiebacks are in place the strut carts do not need to be replaced to remove the system, saving both time and money in removing this system.

## Octagon Slide Rail System

Specifically designed for multiple tank installation projects, the GME\E+S Octagon Slide Rail system eliminates the need for external walers, tiebacks and sacrificial beams while still providing vertical clearance needed to properly install the tanks.

# Sheeting and Bracing:

**Designed to be used for large clear span projects, such as Cast-In-Place projects (bridge footings, pump stations), soil remediation's, large tank installations and linear applications, the GME Sheeting and Bracing is a cost saving system compared to traditional weld and cuts systems.**



## **Designed and engineered to be used with a variety of sheet piles**

The GME Sheeting and Bracing system is designed and engineered to be used with a variety of sheet piles and can obtain larger clear span widths.

Consisting of enclosed hydraulic rams and static extensions, the rings spacing, which is determined by a Registered Professional Engineer, can be stacked on top of each other during initial installation to help speed up installation time.



## **The GME Sheeting and Bracing 90 T Strut.**

Coming in first quarter of 2013, The GME Sheeting and Bracing 90 T Strut. With the addition of the 90 T Strut system, the GME Sheeting and Bracing system will allow users to excavate and shore system in excess of 60' long!

Later in 2013, The HD Sheeting and Bracing System will allow for longer/bigger clearspans using a larger and stronger extension, which in certain configurations, will eliminate the need for a crossing strut.



## The Hybrid

**The combination of the Sheeting and Bracing and Slide Rail system provides users the best of both worlds. The adjustability of the Bracing System with the non-vibratory installation and removal of the GME\E+S Slide Rail system.**

The Hybrid system, with its internal and external supports eliminates the need for sacrificial beams and strut carts. With its engineered design, the Hybrid system saves time and money on the installation of the strut carts and the purchasing of the sacrificial beam which would normally be buried and lost at the bottom of the system.

The Hybrid system uses the same rings as the Sheeting and Bracing system, which, in instances where ground pressure makes removal of the system challenging, the Hybrid system is able to ease the removal of the system.

## Max Waler System

**The GME Max Waler system is a custom engineered system developed for instances where standard systems don't fit the bill.**

Designed using a GME hydraulic triple cylinder pack. The Max Waler system provides an internal working range of 24" – 88" with lengths of 12' to 24'.



Steel Shields



Lite Shields

Height  
Adapters



AEX Shields

Manhole  
Shields



Hydraulic  
Shoring

Bedding  
Boxes



Hydraulic  
Shields

Exit Grids



Port-a-Bridges



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