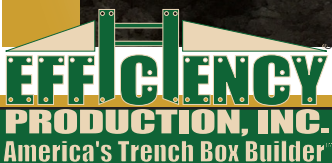
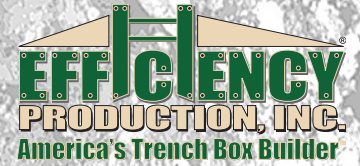


# Fall Protection

## Operator Manual



## 1926.501(b)(6)

"Ramps, runways, and other walkways." Each employee on ramps, runways, and other walkways shall be protected from falling 6 feet (1.8 m) or more to lower levels by guardrail systems.

## 1926.501(b)(7)(i)

Each employee at the edge of an excavation 6 feet (1.8 m) or more in depth shall be protected from falling by guardrail systems, fences, or barricades when the excavations are not readily seen because of plant growth or other visual barrier;

## 1926.501(b)(7)(ii)

Each employee at the edge of a well, pit, shaft, and similar excavation 6 feet (1.8 m) or more in depth shall be protected from falling by guardrail systems, fences, barricades, or covers.

## 1926.501(b)(8)(i)

Each employee less than 6 feet (1.8 m) above dangerous equipment shall be protected from falling into or onto the dangerous equipment by guardrail systems or by equipment guards.

## 1926.501(b)(8)(ii)

Each employee 6 feet (1.8 m) or more above dangerous equipment shall be protected from fall hazards by guardrail systems, personal fall arrest systems, or safety net systems.

## 1926.501(b)(15)

"Walking/working surfaces not otherwise addressed." Except as provided in 1926.500(a)(2) or in 1926.501 (b)(1) through (b)(14), each employee on a walking/working surface 6 feet (1.8 m) or more above lower levels shall be protected from falling by a guardrail system, safety net system, or personal fall arrest system.

## 1926.502(b)(3)

Guardrail systems shall be capable of withstanding, without failure, a force of at least 200 pounds (890 N) applied within 2 inches (5.1 cm) of the top edge, in any outward or downward direction, at any point along the top edge.

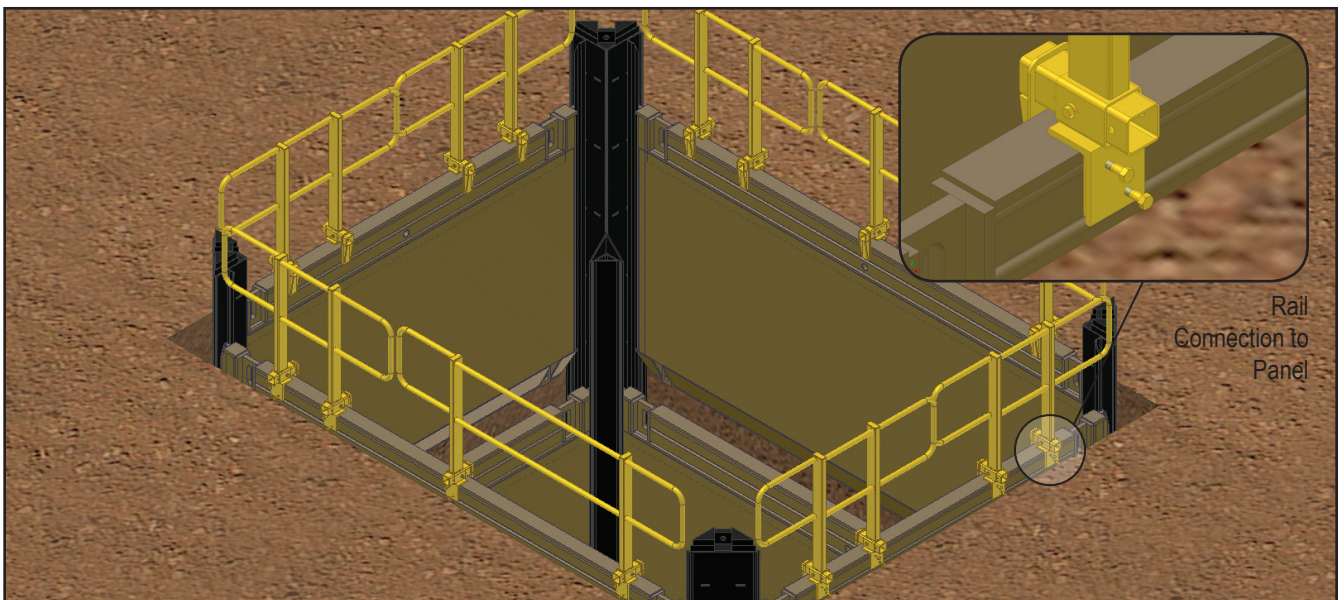
## 1926.502(b)(13)

When guardrail systems are used around holes which are used as points of access (such as ladderways), they shall be provided with a gate, or be so offset that a person cannot walk directly into the hole.

\*See OSHA Subpart P- Excavations, and OSHA Subpart M for complete rules and regulations

Hand Rail Design comply and exceeds the ANSI/ASCE 7-95, section 4, subsection 4.4.2 and 29 CFR OSHA Construction Industry Regulations, Update June 1, 2002, Subpart L (Scaffolds), 1925.451(g) – fall protection.

1. All hardware must be installed and tightened to ¼ turn past snug tight condition.
2. Handrail should be free of movement when properly installed.
3. All handrails must be installed without gaps.
4. Top 4” of shield must be exposed to provide toe board to prevent any items from being kicked into trench.
5. Competent person is responsible for ensuring that all equipment is properly installed before use.



1. Gates must be pinned in either open or closed position to prevent swinging.
2. All hardware must be installed and tightened to ¼ turn beyond snug tight condition.
3. Ladder must be tied off to ladder adapter before use to prevent shifting.
4. Ladder must extend above excavation by 36" see Subpart P – Excavations, 1926.651(c)
5. If platform is used in connection with MANBRIDGE (MB- hinge connect) Hinge connection must be used. All pins and keepers must be installed and platform and bridge must be level and supported at ends to prevent lateral shifts during use.



1. Guardrail must be installed on MANBRIDGE before use if MANBRIDGE is installed over an excavation 6' or more deep. see Subpart M, 1926.501(b)(6)
2. When MANBRIDGE is used to cross over an excavation, MANBRIDGE must be positioned to prevent slippage during use. Efficiency recommends a minimum of 1' overhang of MANBRIDGE on either side of excavation.

