



## PIONEER DOCK EQUIPMENT

### "MVR" Mechanical Truck Restraint Architectural Specifications

#### A. Manufacturer

1. Design is based on products manufactured by;

PIONEER Dock Equipment  
740 Beechcroft Rd.  
Spring Hill, TN 37174  
800-251-3382  
(931) 486-2296

2. Type: Loading dock truck restraint shall be fully mechanical, bar operated.

#### B. Product Characteristics: **Truck Restraint**

1. Product: Fully mechanical truck restraint – Model MVR\_\_\_\_\_
2. Size: 18" wide x 28 13/16" tall. 4 1/2" deep with a 10" deep throat on the hook.
3. Restraining Capacity: 50,000 lbs. The current hook design tested to 56,342 lbs. before failure. This figure exceeds the 22,500 lbs. figure listed in the ANSI 30.3 standard by 33,842 lbs.
4. Working Range: 12" to 30" off ground.
5. Construction: Hot dipped galvanized hook assembly. Hook housing constructed of 1/2", 55,000 lb. minimum yield steel plate (smooth). 5/16", 55,000 lb. minimum yield steel horizontal mounting plate.
6. Operation: Manually operated with push bar. Wall-mounted bracket on which to hang push bar provided.

## 7. Communication System:

MVR100 by PIONEER, Inc.

- a) Outside system: Two (\*2) warning signs (one mirror reverse) for truck driver.
- b) Inside system: One (1) sign for loading / unloading operations.
- c) Required power source: None required for MVR100.

MVR103 by PIONEER, Inc.

- a. Outside system: Manually activated, full time flashing red and green LED lights with sun visors and 2 warning signs (one mirror reverse) for truck driver.
- b. Inside system: Manually activated, full time flashing red and green LED lights with one sign for loading / unloading operations.
- c. Required power source: 110 / 115 volt, single phase.

MVR105 by PIONEER, Inc.

- a. Outside system: Automatically activated, full time flashing red and green LED lights with sun visors and 2 warning signs (one mirror reverse) for truck driver.
- b. Inside system: Automatically activated, full time flashing red and green LED lights with one sign for loading / unloading operations.
- c. Required power source: 110 / 115 volt, single phase.

## 8. Off ground mounting standard.