



## PIONEER DOCK EQUIPMENT

### "M" Series Mechanical Pit Leveler 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 leveler shall be fully mechanical pull chain operated with no moving parts. No rollers, cams or lanyards.

#### B. Product Characteristics: Dock Levelers

1. Product: Fully mechanical dock leveler – Model M\_\_\_\_\_
2. Size: \_\_\_\_\_' wide x \_\_\_\_\_' long, \_\_\_\_\_" deep to fit \_\_\_\_\_" deep pit.
3. Capacity: \_\_\_\_\_ lbs.  
(25, 30, 35, 40, 45, & 50,000 lb. capacities available)
4. Construction:
  - 4.1 The platform shall be 1/4" thick, 55,000 lb. minimum yield steel tread plate. Platform support shall be structural steel "C" channel welded at front of leveler to full width header plate. No formed sheet metal shapes will be acceptable.
  - 4.2 Lip shall be 1/2" thick (5/8" to 1/2" depending on capacity), 55,000 lb. minimum yield steel tread plate with a projection beyond the platform edge of 16" and 12" beyond the bumpers. Lip hinge pin shall be 1" cold rolled CF1045 steel shaft. Hinge tubes are 1 1/8" I.D. seamless with grease fittings.
  - 4.3 Toe guards shall be working range type as standard. Full Range Toe Guards are available as an option.

4.4 Counter balance system to be direct extension spring design with no moving parts.

5. Operation:

5.1 Conveniently located pull chain release provides easy activation of deck and lip.

5.2 Lip to automatically extend and stop in the raised position. Hydra Lip feature slows the descent of the lip allowing the unit to be walked down onto the truck bed. Hydra-Lip to be fully yieldable if impacted by incoming truck.

6. Characteristics:

6.1 Positive hold down device to allow up and down float when servicing truck.

6.2 Unit shall have a working range of 12" above and 12" below dock level.

6.3 Below dock safety legs shall provide positive stop in case of premature truck departure and shall not be affected by lip motion.

6.4 Ramp to be recyclable with truck in position at dock.

6.5 Cross traffic support and night lock security to be provided by lip stored in lip keepers.

6.6 Deck to compensate (tilt) a maximum of 4" from side to side to service out of level trucks.

6.7 Levelers and warranty shall meet or exceed the performance requirements of CS202-56., O.S.H.A. and A.N.S.I. MH-14.1. 1 – 1984.

7. Weather seal: Brush type (meets FDA requirements) weather seals optional.

8. Bumpers: Two per dock leveler. Bumpers to be laminated.