

Architectural Specification

Edge-of-Dock Leveler

Corporate Office:
PO Box 40 Central City, Pa. 15926
Phone: (888) 557-1515 - Fax (888) 564-2525

Available Capacities: 20,000 & 30,000 Pounds
Available Widths: 5' 6", 6', 6'6" & 7'
Available Lip Lengths: 16" & 18"

SECTION 11161 DOCKLEVELERS

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Factory assembled dockleveler with subframe, crossover lip, counter balanced platform, operating lever, and truck bumpers.
- B. Installation and Owner's Manual.

1.02 RELATED WORK

- A. Section 11160 - Truck Restraints.
- B. Section 11164 - Seals and Shelters.

1.03 REFERENCES

- A. ANSI/ASME MH 14.11987, "Loading Dock Levelers and Dockboards."

1.04 SYSTEM DESCRIPTION

- A. Hinged lip, manual, recessed or front of wall mounted dockleveler to the following requirements:
 - 1. Nominal Size: () wide x () long.
 - 2. Capacity: () lbs. per ANSIIASME MH 14.11987.
 - 3. Service Range: Five inches above dock level and Five inches below dock level.
 - 4. Lip projection: 12 inches beyond front face of standard 4" bumpers with a 16" long lip.

1.05 SUBMITTALS

- A. Submit Manufacturer's installation instructions.
- B. Submit shop drawings showing pit construction and dimensions.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. Lever Series - Model NEM () as provided by PMH Material Handling Ph: 888-557-1515

2.02 EQUIPMENT

- A. Curb angle (Optional): 1-piece 5 x 5 x 3/8 inch angle iron with concrete anchors for the leading edge of floor, full width of door opening. Pit mounted units require an additional 7-piece frame of 2 x 2 x 1/4 inch angle iron.

- B. Dockleveler:

1. Ramp: Steel tread plate deck and lugs to be constructed of 50-55,000-psi yield material. Ramp to be continuously welded to the deck lugs and full width rear piano hinge. Front and rear hinge rods to be zinc plated SAE 1045, factory coated with anti-seize lubricant.
2. Lip: Steel tread plate lip and lugs to be constructed of 50-55,000-psi yield material. Lugs to be continuously welded to lip plate. Plate to be full width of deck, non-tapered with leading edge chamfer milled at maximum 15 degrees.
3. Subframe: Welded assembly to have a full width rear hinge and three solid steel deck supports. Anchor holes to be provided for bolting to the building foundation wall.
4. Bumpers: Extension blocks to be closed on all sides with a 4" projection bumper attached to front face. Total projection not to exceed 18" from the foundation wall. Bumper to be 10" Wide x 13" High Molded Type. Anchor holes to be provided for bolting to the wall for additional support.
5. Manual System: Ramp to be spring counter-balanced and operated with a galvanized lever placed in the integral deck pocket by the attendant. Pulling back and then forward on the lever extends the lip automatically into the truck. Lip to unlock when in the service range zone. Ramp shall be free to float with the up and down movement of the truck bed. Deck and lip to automatically return to stored position, protected by the dock bumpers, if the truck pulls away.

Hydraulic System: Ramp to be activated by a single push button. Electric Hydraulic cylinder to lift ramp and extend lip in-lieu of manual requirement. All other specification are the same as Manual System.

6. Finish: All surfaces to be degreased and painted with high solid machinery enamel. Provide standard manufacturer's color.

PART 3 - EXECUTION

3.01 PREPARATION

- A. Provide curb angle for setting pit edges. (optional)

3.02 INSTALLATION

- A. Install to building foundation or in prepared pit in accordance with manufacture's instructions.