



Architectural Specification

Nordock HEAVY-METAL™ Series – Model HM Mechanical Docklevelers

Available Capacities: 20,000 to 40,000 (5,000 lb. Increments)
Available Widths: 6', 6'6" & 7'
Available Lengths (Nominal): 6', & 8'

SECTION 11161 DOCKLEVELERS

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Factory assembled dockleveler with subframe, crossover lip, retractable deck stops, and working range side guards.
- B. Curb angles or pour-in-pan assembly.
- C. Installation and Owner's Manual.

1.02 RELATED WORK

- A. Section 11160 - Truck Restraints.
- B. Section 11164 - Seals and Shelters.
- C. Section 11165 - Dock Bumpers.

1.03 REFERENCES

- A. ANSI/ASME MH 14.1 1987, "Loading Dock Levelers and Dockboards."

1.04 SYSTEM DESCRIPTION

- A. Hinged lip, mechanical, recessed dockleveler to the following requirements:
 - 1. Nominal Size: (_____) wide x (_____) long.
 - 2. Capacity: (_____) lbs. per ANSI/ASME MH 14.1 1987.
 - 3. Service Range: Twelve inches above dock level and Twelve inches below dock level.
 - 4. Lip projection: 11 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. HEAVY-METAL™ Series - Model HM (_____) as manufactured by Nordock Inc.

2.02 EQUIPMENT

- A. Curb angles (Optional): 8-piece 3 x 3 x 1/4 inch angle iron with concrete anchors to cover all pit edges.
- B. Pour-In-Pan (Optional): 6-piece angle iron frame with concrete anchors and fully enclosed steel pan on sides back and bottom. Dockleveler to be pre-installed in pan.
- C. Dockleveler:
 - 1. Ramp: 50-55,000 psi-yield steel tread plate, reinforced with 50,000 psi-yield steel beams. Beams to be formed channel type 6" high with 2" top and bottom flanges for additional plate support. Unitized welded ramp to allow side-to-side tilt to follow uneven truck beds. Five rear hinges and hinge rod run the full width of deck. Lip hinge tubes and header plate to beam connections to be continuously welded. Front and rear hinge rods to be SAE 1045 factory coated with anti-seize lubricant. Working range side guards to be welded to deck for structural support.
 - 2. Lip: 50-55,000-psi yield tread plate. Superior DOM hinge tubes to be continuously welded to lip plate. Plate to be full width of deck, non-tapered with leading edge chamfer to be milled at maximum 15 degrees.
 - 3. Subframe: Welded assembly to have a rear structural angle welded to hinge tubes and seven solid steel rear supports connected to the longitudinal members. Front center section to be open for easy pit cleaning. Security night lock to prevent illegal entry to the building when the dock leveler is stored and the door is closed.
 - 4. Mechanical System: Ramp to be spring counter-balanced and raise when the integral holdown is released. The lip to extend automatically into the truck as the ramp is walked down. Ramp shall be free to float with the up and down movement of the truck bed with auto release holdown to allow for unlimited upward float. Lip must not lock in the extended position and automatically retract behind bumpers when not engaging a truck bed. Deck stop legs must support the deck under full rated load and be retractable to service below dock height trucks and provide full end loading access.

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

2.03 OPTIONS

- A. 18" or 20" long lip.
- B. Side or side and rear brush weather seals.
- C. Full range telescoping side guards.

PART 3 EXECUTION

3.01 PREPARATION

- A. Provide curb angles for setting pit edges. (Optional)
- B. Provide dock leveler in pour-in-pan for setting in place. (Optional)

3.02 INSTALLATION

- A. Install in prepared pit in accordance with manufacturer's instructions.
- B. Adjust installed unit for operation as specified by Manufacturer.