



Architectural Specification

Nordock PUSH-BUTTON™ Series – Model EFH Hydraulic Dock Levelers

Available Capacities: 20,000, 30,000, 40,000, 50,000 & 60,000 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, hydraulic activators, electric controls, 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 14.1 1987, "Loading Dock Levelers and Dockboards."

1.04 SYSTEM DESCRIPTION

- A. Hinged lip, hydraulic, recessed or front of wall mounted dockleveler to the following requirements:
 1. Nominal Size: () wide x () long.
 2. Capacity: () lbs. per ANSI/ASME MH 14.1 1987.
 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. Push Button Series - Model EFH- (_____) as manufactured by Nordock Inc.

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. Hydraulic System: Ramp and lip to be powered by regenerative hydraulic cylinders with hard chrome plated and polished rod, guide bearings, and high-pressure seals. Ramp cylinder housing to be connected to deck with rod extending downward to prevent debris from collecting and allow self-bleeding. Integral power unit with filters, valves, pump and oil reservoir as required. Hoses to be SAE 100R2 high-pressure with factory crimped fittings.
 - 6. Motor and Controls: Hydraulic pump powered by 1 HP totally enclosed non-ventilated type motor. Control box to have NEMA 12 dust tight enclosure containing motor starter and single push-button. Control panel to be UL/CSA approved.

7. 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 angles for setting pit edges. (Optional)

3.02 INSTALLATION

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

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