

Rite-Hite High Capacity Hydraulic Dock Leveler

PART 1 - GENERAL

- 1.1 CONDITIONS SPECIFIED ELSEWHERE: Section 010000 - General Requirements.
- 1.2 SUBMIT SHOP DRAWINGS showing pit dimension (length, width and depth) and anchorage of curb angle and embedded plates.
- 1.3 SUBMIT 3 copies of manufacturer's Owner's Manual, Maintenance Manual and Master Service Manual to the A/E. Also, provide manufacturer's maintenance video tape at same time.
- 1.4 WARRANTY: Proposals submitted without the following written warranties will be considered non-responsive. Standard warranty shall be 5 years parts and 1 year labor with an extended warranty as listed below.
 - 1.4.1 This warranty is based on a standard fork lift truck operating procedure. A standard procedure is; no load shall exceed the rated lift capacity of the truck, and no load shall be pre-staged or stacked and pushed or pulled over the dock leveler into or out of the truck.
 - 1.4.2 Dock leveler manufacturer shall provide with his bid a written 10-20 year money back warranty on dock levelers. Warranty shall be based on the following criteria:

Gross weight of fork lift and load shall not exceed _____ lbs. (See attached fork lift truck wheel foot print data sheet.)

User's operation shall not exceed _____ full truckloads per 24-hour period over any one dock position.

Lift truck speed shall be no more than 5 mph. Leveler grade shall be no more than the recommended grade as determined by the material handling equipment manufacturer and never more than 7.17%.

- 1.4.3 Dock leveler parts covered under the warranty shall include:

Lip Assembly	Front Hinge Assembly
Rear Hinges and Hinge Pins	Rear Hinge Assembly
Platform Assembly	Working Range Toeguards
Front Hinge and Hinge Pins	Lip Cylinder
Main Lifting Cylinder	Safety Stop Fuse
Hydraulic Hoses and Fittings	Hydraulic Pump and Motor
Subframe Assembly	
End Load Leg Assembly	

PART 2 - PRODUCTS

- 2.1 HYDRAULIC DOCK LEVELERS shall be manufactured by Rite-Hite, or an approved substitute. Dock levelers shall be sized by the manufacturer to meet the warranty requirements specified herein.

NOTE TO SPECIFIER: Size and operating range apply to a typical leveler. Select proper dimensions from manufacturer's literature. Length of leveler specified to be determined by specifier based on range of trucks being serviced and recommended grade as determined by material handling equipment.

- 2.1.1 Recessed adjustable dock levelers shall be _____ wide x _____ long, with a minimum _____ lip and a _____ lb. capacity rating. Unit to have an operational range of 12" above and below dock level. Equip each unit with two (2), 12" high x 4" deep laminated dock bumpers.
- 2.1.2 Dock leveler shall meet ANSI MH30.1-2007 test load specifications with proper documentation from a 3rd party.
- 2.1.3 The largest unsupported deck section will be no greater than 7.75 inches.
- 2.1.4 When leveler is in stored position, the leveler lip will provide an integral and automatically- positioned, impact-rated, solid barrier 7" above the building floor to help prevent accidental falls from vacant dock positions. **Unobstructed end loading shall be possible from below dock level.** Overlapping platform barriers or pinch points are not acceptable.
- 2.1.5 Leveler shall be equipped with non-adjustable emergency stop velocity system to limit free fall 3".
- 2.1.6 The main cylinder shall be inverted and directly opposing the platform.
- 2.1.7 Automatic night locks to be integral part of manufacturer's standard dock levelers.
- 2.1.8 Full operating range telescoping toe guards to close off sides when leveler is in the highest upward position. Working range of 12".
- 2.1.9 Positive acting Safe-T-StrutTM maintenance support system will support lip and deck. This system must withstand a 10,000 lb. moving load and provide OSHA approved lock-out/tag-out capabilities.
- 2.1.10 Levelers shall have ramp flex of 4" to compensate for unlevel trailer beds. Rear hinges shall be fixed and shall not rise above floor level.

PART 2 - PRODUCTS (continued)

- 2.1.11 Dock leveler control box: All individual components, as well as the complete box unit, shall be UL-approved.
- 2.1.12 Control box shall include infinite lip control to extend the lip at any time during the operation of the leveler **AND** shall provide a momentary push button to pause the leveler at any position.
- 2.1.13 Leveler shall include brush style weatherseal.
- 2.1.14 Hydraulic fluid shall be biodegradable and have a pour point of -80 degrees below zero.

PART 3 - EXECUTION

- 3.1 **INSTALLER** shall examine the substrate and conditions under which dock levelers and truck restraints are to be installed and notify the A/E and Contractor in writing of any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the installer.
- 3.2 **DOCK LEVELER MANUFACTURER'S REPRESENTATIVE** shall install dock levelers in accordance with approved shop drawings and manufacturer's recommendations. Location of dock levelers shall be indicated on drawings.
- 3.3 **SHIM DOCK LEVELERS** as necessary, weld into pit.
- 3.4 **ADJUST UNITS** to operate smoothly.
- 3.5 **AFTER INSTALLATION** is completed, a representative of the manufacturer shall examine the installation and require that all connections and adjustments necessary to assure proper operation of dock levelers be made. Before acceptance, a demonstration shall be conducted in the presence of the owner's representative to guarantee that all levelers operate properly in every respect. In addition, a detailed user/operator training session shall be conducted at time and place agreed upon by owner's representative and manufacturer's representative.