

PART I – GENERAL**WORK SPECIFIED HEREIN**

- All labor, materials, equipment and services necessary to furnish and install all dock accessories as indicated or specified. **This is a Required Vendor.**

SUBMITTALS

- Unless otherwise noted, the contractor shall prepare all shop drawings, product literature, etc. only as required to properly coordinate and construct the project.
- Review of submittals by the Professional of Record is limited to specific shop drawings as called for in the Project Manual.
- Shop drawings for review by the Professional of Record are not required for this section.

QUALITY ASSURANCE

- Inserts and anchorages: Furnish inserts and anchoring devices which must be set in concrete for the installation of units. Provide setting, drawings, templates, critical installation clearances, connections, accessory items, instructions and directions for installation of anchorage devices. Coordinate delivery with other work to avoid delay.
- Field verify dimensions to insure that specified equipment properly conforms to the actual driveway grades, equipment, dock height, and door size.

PART II – PRODUCTS**POWERAMP: “VS” VERTICAL STORING LEVELER**

Leveler will only operate when the door is in the full open position. In the stored position, a Blue indicator light illuminates informing dock attendants leveler is in the safely stored position. Infinite control of the leveler and lip are standard with our multiple push button station. Power-up and power-down “dead man” control features enhance operator control and safety. A mechanical prop-kicker provides redundant safety while leveler is in the stored positions. Leveler must be stored towards the door; levers that store over center will not be accepted. Push button release of the mechanical prop-kicker is accomplished with a trombetta solenoid valve. Free float of the lever in the “working range” reduces the potential hazards associated with safely transitioning wheeled equipment with a non-floating power down system. An extended service range of 10” above dock and 8” below dock is standard on all 5’ levelers. 3” high run-off guards are standard on all platforms. Dual maintenance props are provided with each ramp for safe, long term, storage of ramp during installation or servicing or equipment. Factory finish includes rust inhibitive prime coat industrial grade finish. Each VS Series leveler ships with two (2) VB420-11, 4 ½” thick 20”h x 11”w dock bumpers and mounting brackets.

- Door Limit Switch – Interlock Overhead Door and Leveler
- Overhead Door Track guards – 48” tall powder coated yellow track guards.
- Wheel chocks – (1) Pair per position, 15’ long Chain, and (1) Sign.
- Leveler Chain Guard – Linked chain between track guards and leveler

DOCK SEALS (SLOPED)

- Refer to Materials and Product Schedule for Additional Information.

The dock pad shall meet the following requirements:

- Seals to be designed to suit truck slope and door size for each door position.
- Truck dock pads shall be Series 1000 with stationary head pad, as manufactured by Fairborn.
- 40 oz. Wear plates in 8” exposure.
- Heavy duty 22 oz base fabric.
- Heavy duty construction, including galvanized steel back plate.
- Front face exposure to have yellow guide stripes on each side.
- Color: Black.
- Fabric to be flame-retardant.

PART III – EXECUTION

- Install dock seals and duck bumpers at locations indicated in strict accordance with manufacturer’s printed instructions.

PREPARATION

- Installer must examine the substrates and conditions under which the loading dock equipment will be installed and notify the Owner and Contractor in writing of 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.
- Coordinate and finish anchorages with templates, diagrams and instructions for their installation, for loading dock equipment indicated to be attached to concrete or masonry construction. Coordinate delivery of these items to project site.

INSTALLATION

General:

- Comply with manufacturer's detailed instructions for installing dock equipment.

Dock Leveler:

- Install in accordance with manufacturer's detailed instructions.
- Adjust and Clean: Make necessary adjustments for safe, efficient operation of dock bridge. After installation, restore marred or abraded surfaces to original condition.

Dock Bumpers:

- Two each per door opening. Attached to structure with top of bumper flush with top of platform, unless otherwise indicated. Set outside edges of bumpers even with the inside face of door jambs.

Bolted Attachments:

- Attach to preset anchor bolts embedded in concrete or to cast-in-place inserts or threaded studs welded to embedded steel plates or angles, or if none provided, attach by drilling and anchoring with expansion anchors and bolts (paint to match all hardware).

Dock Seals:

- Securely attach supporting frames to building structure in proper relationship to openings, dock bumpers and to ensure effective compression of dock seals when trucks are positioned against dock bumpers.
- Adjust and Clean: Make necessary adjustment for safe, efficient operation of loading dock equipment. Provide adequate protection of this work until final acceptance.

Adjusting and Cleaning

- Adjust installed unit for smooth safe, efficient and balanced operation.
- Remove temporary labels and coverings and protection of adjacent work areas.
- Inspect for damaged or defects. Replace if necessary.
- Remove construction debris from site and dispose.

Instruction of Owner's Personnel

- Instruct Owner's personnel in operation and maintenance of installed units. Provide bound copy of manufacturer's operation and maintenance manual at time of instruction.

END OF SECTION