

VBR-600 Vehicle Restraint

VEHICLE RESTRAINTS – 11160

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PART 1 – PRODUCTS

- 1.1 TRUCK RESTRAINING DEVICE shall be manufactured by the same manufacturer as the dock leveler. Truck restraint shall have the following features:
 - 1.1.1 Barrier utilizes high strength low alloy with yellow dichromate plated vertical barrier.
 - 1.1.2 Electric push button controls.
 - 1.1.3 Flashing red and green lights mounted in low profile light box for external communication.
 - 1.1.4 Lens covers on control box are non-interchangeable.
 - 1.1.5 Signs: Two (2) outside, reading “Back In or Pull Out on Green Only”, one reading forward; one backward; one (1) inside sign reading “Enter On Green Only”.
 - 1.1.6 Recessed-mounted in leveler pit.
 - 1.1.7 Visual flashing red light both inside and outside and audible alarm shall sound when abnormal restraining position exists or when no rear impact guard bar is present.
 - 1.1.8 Vehicle restraint control panel shall have continuous flashing LEDs to monitor the outside communication lights.
 - 1.1.9 Coded alarm override shall allow communication via the lighting system and an audible alarm when abnormal hooking position exists or no rear impact guard is present. Override will turn off audible alarm and leave outside light Red with inside lights simultaneously Red and Green, indicating abnormal condition. Touch pad shall not function until code is re-entered to turn override off.
 - 1.1.10 Vehicle restraint control box: All individual components, as well as control box, shall be U/L listed.
 - 1.1.11 All input and output functions shall be monitored by LEDs on the control module.
 - 1.1.12 Barrier height shall be no less than 4.75” high.
 - 1.1.13 All communication switches shall utilize magnetic resistive switches.
 - 1.1.14 Heavy duty RIG sensor shall be constructed of ½” steel rod protected within barrier housing.

- 2.1 INSTALLER shall examine 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 work. Do not proceed with the work until unsatisfactory conditions have been corrected in a manner acceptable to the installer.
 - 2.1.1 ADJUST UNITS to operate smoothly.
- 2.2 VEHICLE RESTRAINT MANUFACTURER’S REPRESENTATIVE shall install vehicle restraint in accordance with approved shop drawings and manufacturer’s recommendations. Location of vehicle restraint shall be indicated on drawings. Exact locations of signs, lights and control boxes for the truck restraining devices shall be approved by the A/E.
 - 2.2.1 Unit to be installed by embedding the anchoring system attached to the back plate in concrete as specified by manufacturer.
 - 2.2.2 All operator controls shall be mounted in a gasketed control panel.
- 2.3 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 and truck restraining devices be made. Before acceptance, a demonstration shall be conducted in the presence of the Owner’s representative that levelers and truck restraining devices 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.
- 2.4 A representative of the manufacturer shall provide a twelve (12) month money back guarantee of satisfaction in writing.