

BLUE GIANT[®]
BLUE GIANT EQUIPMENT CORPORATION
LOADING DOCK EQUIPMENT

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Loading dock equipment of the following types:
 - 1. Control stations.

1.2 RELATED SECTIONS

- A. Section 03100 - Concrete Forms and Accessories: Placement of anchors into concrete.
- B. Section 03300 - Cast-In-Place Concrete: Docks and pits.
- C. Section 05500 - Metal Fabrications: Metal angles for edge of dock.

1.3 REFERENCES

- A. American National Standards Institute (ANSI):
 - 1. ANSI MH30.1- Industrial Loading Dock Boards (Ramps).
 - 2. ANSI MH29.1- Industrial Scissor Lifts.
 - 3. ANSI MH30.3- Vehicle Restraining Devices (Safety, Performance, and Testing)

1.4 SUBMITTALS

- A. Section 01330 - Submittals Procedures: Procedures for submittals.
- B. Product Data: For each product specified.
 - 1. Bumpers: Indicate unit dimensions, method of anchorage, and details of construction.
 - 2. Levelers: Indicate materials and finish, installation details, roughing-in measurements, and operation of unit.
- C. Shop Drawings:
 - 1. Indicate required opening dimensions, tolerances of opening dimensions, placement dimensions, and perimeter conditions of construction.
 - 2. Wiring diagrams including location of control stations and disconnect switches.
- D. Assurance/Control Submittals:
 - 1. Certificates: Manufacturer's certificate that Products meet or exceed specified requirements.
 - 2. Qualification Documentation: Submit documentation of experience indicating compliance with specified qualification requirements.

1.5 QUALITY ASSURANCE

- A. Dock Levelers: Conform to requirements of ANSI MH30.1.
- B. Vehicle Restraining Devices: Conform to requirements of ANSI MH30.3.
- C. Manufacturer Qualifications:
 - 1. Manufacturer specializing in manufacturing products specified with minimum 30 years' experience.
 - 2. Manufacturer to have quality assurance improvement programs.
 - 3. Manufacturer shall be associated with Loading Dock Equipment Manufacturers (LODEM) setting ANSI standards.
 - 4. Manufacturers welding procedure compliant with A.W.S.D1 .1 specifications.
- D. Installer Qualifications: Company specializing in performing the Work of this Section with minimum 5 years' experience.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Refer to Section 01600 - Product Requirements: Transporting, handling, storage, installation and protection of products.

1.7 WARRANTY

- A. Warranty: Provide manufacturer's standard warranty.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Blue Giant Equipment Corp., which is located at:
85 Heart Lake Rd. S., Brampton, ON, Canada L6W 3K2
Toll Free Tel: 800-668-7078 Tel: 905-457-3900
Email: marketing@bluegiant.com
Web: www.BlueGiant.com

2.2 DOCK CONTROL PANELS

- A. Blue Genius Platinum Series Master Control Panel: As manufactured by BLUE GIANT.
 - 1. **Type:** Multiple touch button control station
 - 2. **Function:** The Blue Genius Platinum Series Master Control Panel controls a combination of dock leveler, vehicle restraint, overhead door, dock light, and inflatable seal. The LED lights communication system (red, yellow, and green) is mounted on the controller and supplemented by driver warning signs. Safety devices include door interlock terminals (24VDC provided), an audible alarm, and a 'STOP' touch button that will freeze the unit in mid-motion when pressed. The 'Esc' touch button releases the unit from the stopped condition.
 - 3. **Operation:** All connected dock equipment is controlled via audible touch buttons that correspond to the equipment's function. The sequence of equipment operation is properly interlocked to optimize safety and productivity.
 - 4. **Lights Communication System:** The lights communication system consists of LED red/yellow/green control station lights and a set of exterior red/green

traffic lights mounted on exterior wall, on the driver's side of the dock entrance. This system alerts both dock attendant and truck driver to current safety conditions.

5. **Safety Devices:**
 - a. 'STOP' button
 - b. Audible alarm
 - c. Advanced communication package (includes LED interior red/yellow/green and exterior red/green traffic lights and driver warning signs)
 - d. Overhead door interlock photo sensor (24VDC)
6. **Power:** 115-575V, 1PH and 3PH, 50-60Hz
7. **Construction and Finish:** NEMA4X/IP65 (wet and corrosion resistant) rated polycarbonate enclosure. Overall body dimensions: 23.62"L x 15.75"W x 9.06"D (600 x 400 x 230mm).
8. **Warranty:** Warranties are subject to standard limitations on liability. Consult manufacturer for full details on warranty information and product registration.
9. **Standard Features:**
 - a. NEMA4X / IP65 polycarbonate enclosure
 - b. Microprocessor-based
 - c. Updated via software
 - d. Printed circuit board technology
 - e. Onboard diagnostics and self-testing
 - f. Flat-surface audible touch buttons
 - g. Numeric keypad with supervisory override option
 - h. LCD intelligent display with multilingual support
 - i. Integral rotary disconnect
 - j. UL/CSA approved.
10. **Optional Accessories:**
 - a. Step-down transformer for dock light or inflatable seal operation (if equipment voltage does not match the main power)

END OF SECTION