

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 Gold Series I Dock Control Panels: As manufactured by BLUE GIANT.
 - 1. Type: Multiple touch button control station, includes independent lip, stop and LED message interface.
 - 2. Function: The Blue Genius Gold Series I- Dock Control Panel controls an independent hydraulic or air-powered dock leveler via constant pressure 'Deck' and 'Lip' touch buttons. The hydraulically or air-powered powered lip is controlled independently of the main deck cylinder, with driver warning signs. Safety devices include door interlock terminals (24VDC provided) 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: Operating System: Loading dock equipment connected to the Blue Genius Control Panel is controlled via touch buttons that correspond to the equipment's function. The 'STOP' button causes a complete motion freeze of connected dock equipment.
 - 4. Power: ___ V, ___ Amps, ___ Phase.
 - 5. Construction and Finish: The Blue Genius is a multiple touch button control station with constant pressure buttons. NEMA4X/IP65 (wet and corrosion resistant) rated polycarbonate enclosure. Overall dimensions 11-1/4 inches L

x 7-1/2 inches W x 5-1/2 inches D (287 x 190 x 140 mm).

6. Warranty: Warranties are subject to standard limitations on liability. Consult manufacturer for full details on warranty information and product registration.
7. Standard Features:
 - a. NEMA4X /IP65 polycarbonate enclosure- resistant to both corrosion and wet conditions.
 - b. Printed circuit board technology.
 - c. Keypad with supervisory override option.
 - d. Network connections- bidirectional communication and power wiring.
 - e. Onboard diagnostics and self-testing.
 - f. LCD intelligent display.
 - g. Programmable ports; two inputs and one output for interlocking purposes.
 - h. Finger safeguard against risk of shock.
 - i. UL/CSA approved.
8. Optional Accessories:
 - a. Auto-Park: automatic ramp return should the vehicle depart unexpectedly. (Not available when exterior LED traffic lights are present. Also not available with vertical storing dock levelers)
 - b. Exterior LED Traffic Lights. (Not available when auto-park is present.)
 - c. Blue Genius™ advanced communication package (includes LED interior red/yellow/green and exterior red/green traffic lights and driver warning signs) with security features.

END OF SECTION