



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 II Dock Control Panels: As manufactured by BLUE GIANT.
 - 1. **Type:** Multiple touch button control station, includes stop and LED message interface.
 - 2. **Function:** The Blue Genius Gold Series II- Restraint Control Panel controls a powered vehicle restraint via 'Engage' and 'Release' touch buttons. The LED Lights Communication System (Red, Yellow, and Green) is mounted on the controller and supplemented by driver warning signs. A 'STOP' button cuts power to the restraint: should the arm be in mid-travel, it will lower to a hard stop via gravity. The 'Esc' touch button releases the unit from the stopped condition. Comes with exterior LED traffic lights package.
 - 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 cuts power to the restraint in the event of an emergency.
 - 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. Power: __ V, __ Amps, __ Phase.
6. **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).
7. **Warranty:** Warranties are subject to standard limitations on liability. Consult manufacturer for full details on warranty information and product registration.
8. **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. Red/Green/Yellow LED interior Lights Communication System.
 - h. Exterior Red/Green Traffic Lights.
 - i. Programmable ports; two inputs and one output for interlocking purposes.
 - j. Finger safeguard against risk of shock.
 - k. UL/CSA approved.

END OF SECTION