

***BLUE GIANT***<sup>®</sup>  
BLUE GIANT EQUIPMENT CORPORATION  
LOADING DOCK EQUIPMENT

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Loading dock equipment of the following types:
  - 1. Dock shelters

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](mailto:marketing@bluegiant.com)  
Web: [www.BlueGiant.com](http://www.BlueGiant.com)

### 2.2 INFLATABLE DOCK SHELTER

- A. Dock Seals: Stationary Inflatable Dock Shelter as manufactured by Blue Giant.
  - 1. Type: Stationary inflatable dock shelter.
    - a. Stationary inflatable dock shelter with inflatable header unit and two inflatable vertical side units.
  - 2. Construction: Dock shelter shall be manufactured to fit door sizes up to and including 10'W x 10'H (3048mm x 3048mm). Unit shall consist of one inflatable header unit 138" (3505mm) wide by 36" (915mm) projection by 50" (1270mm) drop and two vertical side units 134" (3401mm) high by 24" (610mm) projection with a 24" (610mm) inward projection. Head frame shall be made with pressure treated non-rot wood covered with polyethylene sheeting with UV inhibitors to prevent cracking and fading in sunlight. Raked frame diverts water, preventing accumulation. Storage curtain shall consist of one top curtain and two side curtains. Top curtain must have 2 yellow aiming stripes with a minimum of 7 support stiffeners and cover full width and sides of head frame with a 25 inch (635mm) drop. Side curtain shall consist of 7 support stiffeners with a 15 inch (380mm) width. Unit shall consist of two replaceable foam bottom draft pads. Inflate mechanism includes ½ HP motor and blower assembly. All mounting hardware included (manufacturer's standard).
  - 3. Cover Material: Polyester base with a 14oz (0.4kg) Hi-Tear Vinyl. Storage curtains to be made with 22oz Hi-Tear Vinyl.

4. Optional Features/Accessories:
  - a. 16oz rubberized fabric cover material
  - b. Galvanized frame- vinyl
  - c. Galvanized frame- rubberized fabric
  - d. Additional height on verticals
  - e. Additional width on verticals
  - f. Additional drop on head bag

B. EXAMINATION

A. Section 01700 - Execution Requirements: Verification of existing conditions before starting work.

B. Verification of Conditions: Verify that field measurements, surfaces, substrates and conditions are as required, and ready to receive Work.

2.3 INSTALLATION

A. Install dock seal or shelter in prepared opening in accordance with manufacturer's instructions.

2.4 ADJUSTING

A. Adjust installed unit for smooth and balanced operation.

END OF SECTION