

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. Dock seals

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 INFLATABLE DOCK SEAL

- A. Dock Shelters: Air Frame Inflatable Dock Shelter as manufactured by Blue Giant.
 - 1. Type: Air Frame Inflatable Dock Shelter.
 - 2. Construction: Dock shelter shall be manufactured to fit door size standard door size of 126 inches wide x 126 inches high (3200mm x 3200mm). Designed to seal trailer heights ranging from 144 inches to 162 inches (3958mm to 4112mm). Unit shall consist of one inflatable header unit 136 inches (3451mm) wide x 36 inches (915mm) projection x 50 inch (1270mm) drop and two vertical air frame units 128 inches high (3250mm) high x 24 inch (610mm) projection and a 24 inch (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. Unit shall consist of two replaceable bottom draft flaps. Inflate mechanism includes-1/2 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: Provide the following optional features/accessories:
 - a. Galvanized frame- Hi-Tear Vinyl
 - b. Galvanized frame- Rubberized fabric
 - c. Additional height on verticals (vinyl)

- d. Additional height on verticals (rubberized)
- e. Additional width on unit (vinyl)
- f. Additional width on unit (rubberized)
- g. Additional drop on head bag (vinyl)
- a. Additional drop on head bag (rubberized)

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