

PART 1 - GENERAL**1.1 SUMMARY**

- A. WORK INCLUDED
 - 1. Factory assembled unit.
 - 2. Installation and Owner's Manual
- B. RELATED WORK
 - 1. Section 11 13 13 - Dock Bumpers.
- C. REFERENCES
 - 1. CS202-56.
 - 2. A.N.S.I. MH-14.1. 1 – 1984
- D. DESCRIPTION (APPLICATION)
 - 1. Product: fully mechanical truck restraint – Series ML Model: _____.
 - 2. Size: 17 ¾" wide x 28 13/16" tall.
 - 3. Restraining Capacity: 55,000 lbs.

1.2 SUBMITTALS

- A. General: Submit in accordance with Section 01 33 00.
- B. Product Data: Submit for mechanical truck restraint.
- C. Submit dimensional detail.
- D. Provide rough-in drawings for electrical service in advance of concrete work.
- E. Submit specification.

1.3 QUALITY ASSURANCE

- A. Single Source Responsibility: Provide each component of individual truck restraint per particular type by same manufacturer.
- B. Manufacturer Qualifications: Company specializing in manufacturing products specified in this Section with minimum ten years' experience.
- C. Installer Qualifications: Approved in writing by manufacturer.

PART 2 - PRODUCTS**2.1 ACCEPTABLE MANUFACTURERS AND MODEL**

- 1. Series ML Manual Truck Restraint by Chalfant Sewing Fabricators, Cleveland, OH. Contact: <http://www.ChalfantUSA.com> for project quote.

2.2 EQUIPMENT

- A. CONSTRUCTION: Hook and hook housing constructed of ½", 55,000 lb. minimum yield steel plate (smooth).
- B. OPERATION: Manually operated with push bar. Provided wall-mounted bracket on which to hang push bar.
- C. COMMUNICATION SYSTEM:
 - Model ML 1
 - a) Outside system: Two (2) warning signs (one mirror reverse) for truck driver.
 - b) Inside system: One (1) sign for loading / unloading operations.
 - c) Required power source: None required for ML 1

Model ML 3

- d) Outside system: Manually activated, full time flashing red and green LED lights with sun visors and 2 warning signs (one mirror reverse) for truck driver.
- e) Inside system: Manually activated, full time flashing red and green LED lights with one sign for loading / unloading operations.
- f) Required power source: 110 / 115 volt, single phase.

Model ML 5

- g) Outside system: Automatically activated, full time flashing red and green LED lights with sun visors and 2 warning signs (one mirror reverse) for truck driver.
- h) Inside system: Automatically activated, full time flashing red and green LED lights with one sign for loading / unloading operations.
- i) Required power source: 110 / 115 volt, single phase.

- D. **WARRANTY:** Unit shall include the manufacturers standard (1) one year warranty against defects in materials and workmanship on the remaining components.

PART 3 EXECUTION

3.1 INSTALLATION

- 1. Install in accordance with manufacturer's instructions.
- 2. Paint welds with touch-up paint.