



## Architectural Specification

### Nordock TRUCK-LOCK® Series – Model MTL-200 Manual Vehicle Restraint

#### SECTION 11161 VEHICLE RESTRAINTS

##### PART 1 - GENERAL

##### 1.01 WORK INCLUDED

- A. Factory assembled vehicle restraint
- B. Control panel and communication system.
- C. Installation and Owner's Manual.

##### 1.02 RELATED WORK

- A. Section 11160 – Dock Levelers
- B. Section 11164 - Seals and Shelters.
- D. Section 11165 - Dock Bumpers.

##### 1.03 SYSTEM DESCRIPTION

- A. Vehicle restraint provided to the following requirements:
  - 1. Restraint shall engage and restrain variable height rear impact guards.
  - 2. Standard service range of 9" to 30" from ground.
  - 3. Communication system shall have red and green lights with selector switch and instruction signs inside and outside.
  - 4. Restraint shall maintain engagement during loading.
  - 5. Operation shall be manually with a control bar for engage and disengage functions.
  - 6. Restraint shall be stored down for unobstructed positioning of trailer.

##### 1.05 SUBMITTALS

- A. Submit Manufacturer's installation instructions.

- B. Submit shop drawings showing layout, conduit positions and wiring schematics.

## PART 2 PRODUCTS

### 2.01 ACCEPTABLE MANUFACTURERS

- A. TRUCK-LOCK Series - Model MTL-200 as manufactured by Nordock Inc.

### 2.02 EQUIPMENT

- A. Cast in Plate (Optional): 3/8" steel plate with concrete anchors poured into dock face for welded installation of restraint.
- B. Vehicle Restraint:
  - 1. Vertical Frame: Mounting plate of 3/8" steel and vertical track of 1/2" steel suitable for welding to cast in plate or bolted to dock face with 5/8 " concrete wedge anchors.
  - 2. Barrier: Large combination steel barrier and housing to enclose and protect all lift components. Barrier to be guided in vertical track through entire travel.
  - 3. Actuator: Manually released with control bar to actuate up stroke of barrier to secure and maintain contact with rear impact guard during all loading and unloading operations. Control bar stores barrier in lowered position after loading to release trailer.
  - 4. Inside Communication System: Either a Green light to indicate when restraint is actuated or a Red light to indicate that the restraint is stored. Include label to instruct dock attendant.
  - 5. Outside Communication System: Red light to indicate when restraint is actuated. Green light to indicate restraint is stored in low profile position leaving a clear path for a vehicle to enter or leave the dock. Include sign to instruct Truck Driver.
  - 6. Controls: Power source requirement is 115 volt, single phase.
  - 7. Finish: All structural steel components to be zinc plated including barrier, housing, vertical frame and lift mechanism.
- C. Options:
  - 1. LED light system for improved visual communication

## PART 3 EXECUTION

### 3.01 PREPARATION

- A. Provide cast in plate for setting in front wall. (Optional)

### 3.02 INSTALLATION

- A. Inspect site conditions and report anything detrimental to the proper installation and performance of vehicle restraint. Do not proceed until unsatisfactory conditions have been corrected.
- B. Manufacturer's representative shall install vehicle restraint in accordance with manufacturer's instructions and recommendations.
- C. Adjust installed unit for operation as specified by manufacturer.
- D. Manufacturer's representative to examine finished installation to ensure proper operation and demonstrate proper use of the restraint to the owner.