

SL20 Vehicle Restraint

Product Specifications

DESIGN HIGHLIGHTS

- Non-impact design & operation
- Manually activated interior/exterior LED light communication system
- Patented dual locking positions at 7" & 11" from face of 4" bumper
- Horizontal hooking range 0 - 11" from face of 4" bumper
- Low-profile - stores at 9" off grade
- UL listed interlock capable control panel
- Hot dip galvanized finish
- Compatible with NHTSA regulation rear impact guards
- Standard wall mount configuration
- Manual control bar with mounting bracket

AVAILABLE OPTIONS

- ☐ Ground mount
- ☐ Stand-off bracket _____ projection
- ☐ Embed mounting plate (new construction)
- ☐ Pit floor mounting bracket
- ☐ Back plate cut-down (wall or ground mount) _____
- ☐ Other _____

AVAILABLE ACCESSORIES

- ☐ Control panel stanchion
- ☐ Other _____

PROJECT INFORMATION

JOB NAME _____

ADDRESS _____

GENERAL CONTRACTOR _____

DISTRIBUTOR _____

MODEL _____ QUANTITY _____

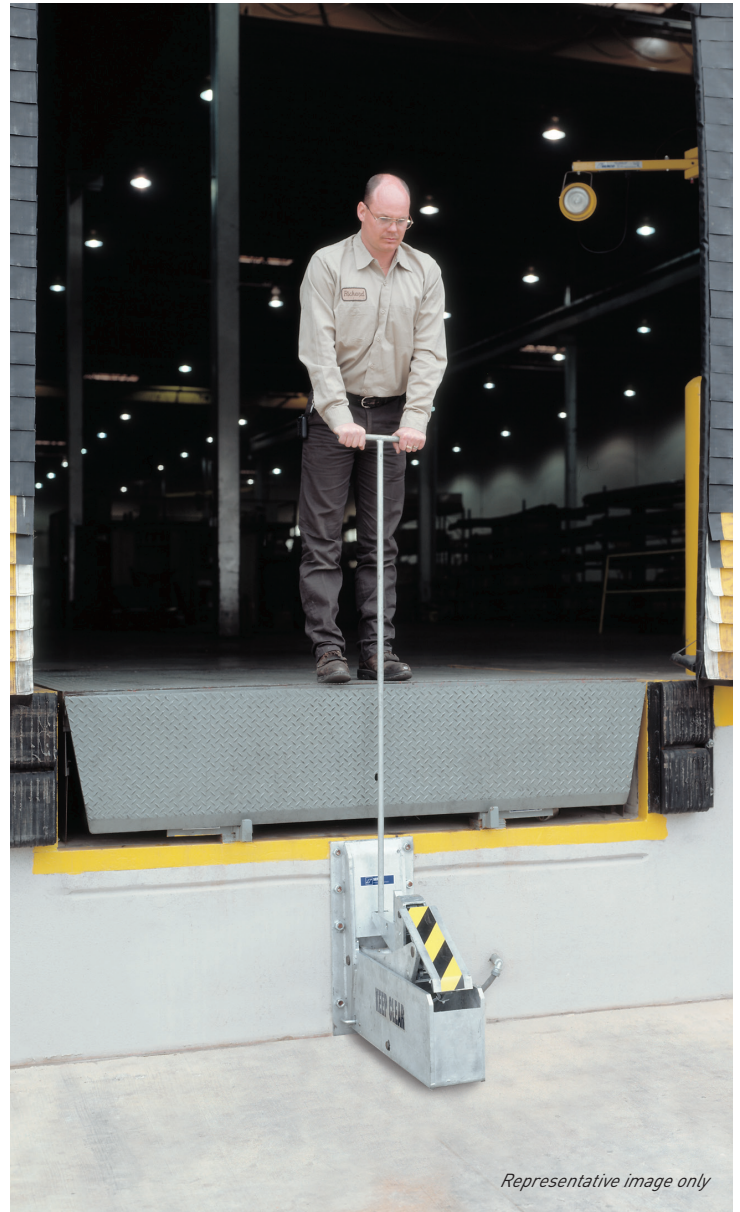
CERTIFIED FOR CONSTRUCTION

BY _____

COMPANY _____

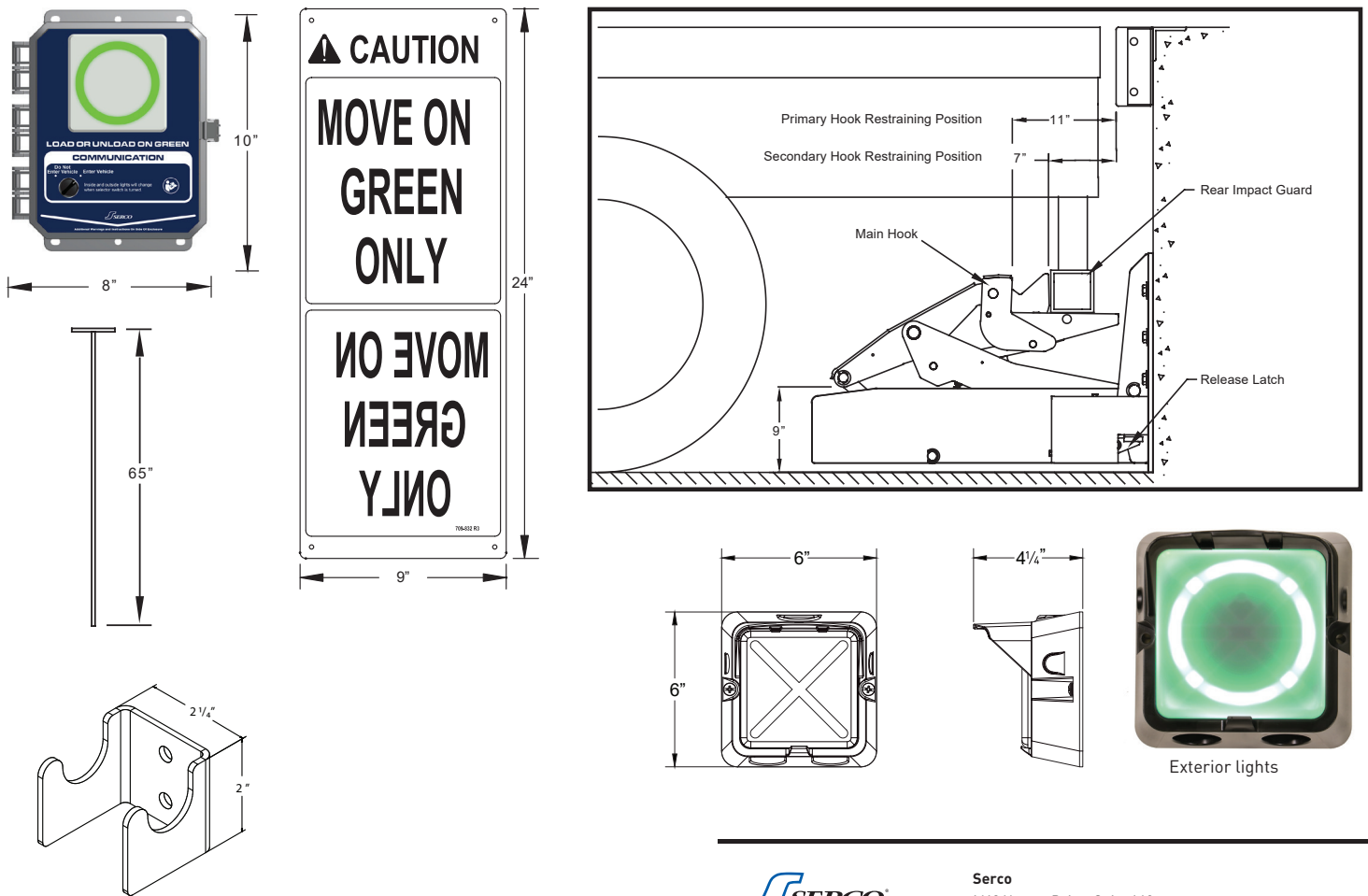
ADDRESS _____

DATE _____



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1. **General:** SL20 upward biased, mechanically actuated restraint featuring patented dual locking positions. Includes locking unit, interior & exterior communication light system, exterior caution sign, control bar, and control bar mounting bracket. Unit conforms to OSHA standards.
2. **Construction:** Mainframe structure to be stationary mounted, side and rear members to be ½" welded steel plate with hot dip galvanized finish. Unit to have a resistance to pull-out of 32,000 lbs. and feature high strength self-lubricating bushings to ensure maximum life and minimal maintenance.
3. **Operation:** After the vehicle backs up against the dock bumpers, the operator easily positions a control bar between the rear of the vehicle and the dock face to activate the release latch and engage the vehicle restraint. Dual gas springs raise the locking unit, engaging the rear impact guard. Once in position, the operator turns the selector switch on the wall mounted control panel to the "ENTER" position, switching the exterior lights to red and the interior lights to green. The restraint maintains positive contact with the rear impact guard as the vehicle moves vertically during loading and unloading operations. Dual locking positions minimize the vehicle's horizontal movement. To release the vehicle restraint, the operator applies a downward force on the restraint with the control bar until the storage latch is engaged. Once restored, the operator turns the selector switch to the "DO NOT ENTER" position, switching the exterior light to green and the interior light to red, indicating it is safe for the vehicle to leave but unsafe to load/unload. If the vehicle restraint cannot engage the vehicle, the operator must first chock the vehicle wheels and then turn the control panel selector switch to the "ENTER" position. When stored, the restraint incorporates an integral cover to protect the activation mechanism from damage and to minimize the collection of debris.
4. **Control Panel:** Solid state interlock capable control panel (8"W x 10"H x 5 ½"D) features real-time diagnostic capability, integral LED red/green/amber visual light communication system and printed operational instructions and NEMA 4X Type Polycarbonate enclosure. All field wiring terminations are made to removable modular terminal connectors.
5. **Hooking Range:** The restraint will engage a rear impact guard positioned up to 11" horizontally from the face of a 4" bumper and is compatible with NHTSA regulation rear impact guards. Dual locking positions limit vehicle movement and engage rear impact guard at 7" and 11" from a 4" bumper.
6. **Exterior Lights:** Low profile flashing green and red LED signals (6 ¾"W x 11 ¾"H x 4"D) indicate safe or unsafe conditions for vehicle movement. Caution sign (9"W x 24"H) with standard and reversed lettering provided.
7. **Electrical:** Exterior lights operate on 24 volt circuit. NEMA 12 control panel requires 120 volt, single phase, 60 Hz supply. All components are UL listed.
8. **Installation:** Requires mounting of restraint, control panel, exterior lights, caution sign and control bar mounting bracket in strict accordance with Serco installation instructions. Installation is recommended to be performed only by authorized Serco Distributors. Locking unit, control panel, and exterior lights to be electrically installed by others. Installation is not included unless specifically contracted with Serco Distributor.
9. **Limited Warranty:** Serco warrants all components to be free of defects in material and workmanship, under normal use, for a 1-year base period from date of shipment in accordance with Serco's Standard Warranty Policy. The "Base Warranty Period" will begin on the completion of installation or the sixtieth (60th) day after shipment, whichever is earlier.



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