



NYC Department of Buildings
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Patricia Lancaster, FAIA, Commissioner
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Report of Materials and Equipment Acceptance Division

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

MEA 393-05-E

Manufacturer: Tada Auto Parking Company, Tada Road, Laiwu City, Shandong Province, China

Trade Name(s): Spacemaker L/S

Product: Model LS-4 Four-Level Automobile Lift Sliding Machine

Pertinent Code Section(s): 27-990, 27-991 and Reference Standard RS18-3

Prescribed Test(s): Load Test and Computations signed and sealed by Seymour Warren Gage, New York State P.E. License No. 31662.

Laboratory: Seymour Warren Gage, P.E., License #: 31662.

Test Report(s): Computations and tests witnessed by Seymour Gage, P.E., State of New York License No. 31662. The platforms were loaded in place with weights of 12,034 lbs. (on each of 7 supported platforms on the 3 supported levels). In addition, each supported level was subjected to a lateral load of 1,122 lbs.

Description – The SpaceMaker L/S system is a one, two or three supported level automatic parking garage system. It consists of any number of rows and columns of vehicle platforms supported by a steel structure, which is enclosed by paneling or left open to the elements. The system is able to park and retrieve cars automatically and independently of other cars within the system, i.e. unattended parking.

The maximum height of the system structure is approximately 24'-6" and the rated capacity is 6000lbs. per platform.

The structure is manufactured from A36 steel sections and the platforms are made from drip proof pressed steel panels, electroplated for anti-corrosion purposes.

The system is an electro-mechanical operation with no hydraulic equipment.

Standard safety features are: Personal protection beam devices; Over-size device; Overload device; Fail-to-safe device for rope and brake failure; Lifting and travel limits.

Terms and Conditions: The SpaceMaker model L/S be accepted for indoor and outdoor use also with the following conditions:

Indoor Use

1. Installation of the lifts shall be in sprinklered garages, which also have side wall sprinklers to protect the lower vehicle parked on the lift. The sidewall sprinklers shall be protected from mechanical injury. The sprinkler pipe sizes shall be adequate to supply the additional side wall sprinklers.
2. Plans shall be filed and approved by the Department of Buildings for the alteration of the existing sprinkler system and tie-in of the additional sprinklers. Hydrostatic tests of the sprinkler system components shall be witnessed and approved by the Fire Department and the Department of Buildings.
3. The floor loads shall be recalculated for the additional weight of the lift and the cars, and filed with the Department of Buildings by a structural Professional Engineer for adequacy.
4. The indoor use shall be limited to garages with a minimum of 24'-6" ceiling height plus adequate distance for sprinkler coverage.
5. In garages that do not have pre-existing sprinklers, the sprinkler system shall be designed for "High Piled Storage".

Outdoor Use

1. The requirements of Section 27-4080 of the Administrative Code shall be complied with.
2. Each proposed use of the car lift shall be submitted to the Department of Buildings to determine whether it complies with the Zoning Resolution and whether the soil conditions are adequate. Each unit shall have suitable anchorage of its structural members and integral base plates into concrete footings, the strength, size and depth of which shall be based on an assumed weight of 6,000 lbs. for each car.
3. Where the property is located in or about residentially zoned districts, this device shall not be located at the first row of cars or within 20 feet of the property line, whichever distance is greater.

For Both Indoor and Outdoor Use

1. All regulations of Department of Consumer Affairs shall be complied with.
2. Each proposed use of the car lifts shall be submitted to the Department of Buildings to determine whether it complies with the Zoning Resolution.

3. The lifts shall not be used to park or store any vans, trucks, recreational vehicles or any other type of vehicle other than passenger cars capable of seating up to 6 persons and weighing a maximum of 6,000 lbs. each car.
4. Drawings and specifications shall be filed with the Department of Buildings Elevator Division for each site.

All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to that tested and acceptable for use, as provided in Section 27-131 of the Building Code.

Final Acceptance March 17, 2006.
Examined by Donald [Signature]