LA Parking Lifts
P.O. Box 4011
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Attn: Eddie

RESEARCH REPORT NO.: 930547

Approval Date: December 15, 2020
Expires: December 15, 2021

GENERAL APPROVAL – Renewal – Passenger *Vehicle Lift System (2-Level)* - Manufactured by *LA Parking Lifts* consist of a "*Vehicle Lift*" and a "*Hydraulic Power Pack*". Vehicle Lift Model PL201D is suitable for indoor (dry) and model PL 201W for outdoor (wet) installations.

CONDITIONS OF APPROVAL

The installation of this *Vehicle Lift System* is approved when the following conditions are met:

1. Each "*Vehicle Lift System*" shall consist of the following:

Vehicle Lift						***Hydraulic Power Pack***		
Lift's Model #	Overall Outside Dimensions of Lifts*			Inside Dimensions of Platforms*		*Mfg,&* Model #	Electrical Ratings	Motor Rated Disconnect
	Width	Length	Height	Width	Length			
PL201D / PL201W	7'6"-9'4"	13'9"	11'6"	6'8"-8'6"	13'2"	SPX, 4763-AC	208/230V,1Ph, 15-18A, 2HP	30 Amps

* See manufacturer's specification sheets for requirements.

2. The installation of the Vehicle Lift Systems shall comply with the requirements of LADBS Information Bulletin document #P/ZC 2002-001 Section Q.
http://www.ladbs.org/docs/default-source/publications/information-bulletins/zoning-code/parking-lot-design-ib-p-zc2002-001.pdf

3. Each *"Vehicle Lift"* shall be plainly and permanently marked on a contrasting background with 1/4" minimum height letters where readily visible with the following:
   A. Manufacturer's name: **LA Parking Lifts**
   B. Model designation: **PL 201D / PL 201W**
   C. Serial number: _____
   D. Electrical Ratings in Volts, Amp, HP, Phase & Hz, **208/230VAC, 18/15Amp, 1Ph, 60HZ**

E. Location of installation.

F. "**CAUTION** - For Installation in Non-Hazardous locations only"

G. "**WARNING** - **Electrical Shock Hazard**. Do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel."

H. "**WARNING** - **RISK OF INJURY OR DEATH** - This Vehicle Lift System shall ONLY be accessible to and operated by authorized, trained and qualified personnel. Read all the instructions before operating the equipment. Do not operate the lift if people are present on or near the lift. Read all the instructions before operating this Vehicle Lift System"

I. "**CAUTION** - To access the vehicle on the platform, lower the vehicle to the ground level first, DO NOT climb the lift. The driver and the passengers must exit the vehicle prior to operation of the lift. The vehicle must be completely on the platform prior to operating the lift."

J. "**DANGER** - **Risk of injury and damage to the Lift System.** Maximum Load Capacity is 5000 Lb. Do not lift a vehicle exceeding its capacity. Do not attempt to modify or adjust the lift. In case of any malfunction or damage, do not operate the lift. Contact the manufacturer's authorized representative.

K. "This Vehicle Lift System shall comply with the conditions of approval listed in Research Report 930547. Not valid if RR is not current. For a copy of the RR visit www.LADBS.org or call 213-482-6721."

4. For each installation of the Vehicle Lift System, a separate one-time field application shall be submitted to LADBS Electrical Testing Lab to evaluate site specific issues and requirements.

5. The Vehicle Lift System shall only be accessible to and operated by trained, authorized and qualified parking attendees.

6. The *Vehicle Lift System* shall only be installed and maintained in strict compliance with the manufacturer's instructions by trained, authorized and qualified personnel.

7. Maintenance of safety mechanisms indicated in the manufacturer's manual shall be recorded and to be included in the maintenance record.

8. The *Vehicle Lift System* shall be equipped with an adjustable release valve.

9. An accessible power disconnect switch shall be installed within sight of each Vehicle Lift System. The disconnect switch shall be clearly labeled *"Power Disconnect for Vehicle Lift System*".

10. All components of Vehicle Lift System shall be listed by a City of Los Angeles recognized electrical testing laboratory or approved by the Department.

11. The mechanical "transportation system" shall be kept clear from foreign objects at all times.

12. The installation of this Passenger Vehicle Lift System shall comply with applicable provisions of the Los Angeles City Code including but not limited to Building, Electrical Mechanical, Plumbing, Fire, Zoning Codes and Planning regulations.

13. The Vehicle Lift System shall be installed on a leveled surface, and its supporting structure shall be approved and anchored seismically per Chapter 16 of the City of Los Angeles Building Code

14. A building permit shall be obtained prior to installation or relocation of the Vehicle Lift System in the City of Los Angeles.

15. An electrical permit shall be obtained prior to installation of the Vehicle Lift System in the City of Los Angeles.

16. Interconnected Class 1 wiring shall comply with Chapter 3 and Article 725 of the National Electrical Code.

17. If the area of installation is not secured and the lifts may be accessible to unauthorized personnel, the lifts shall employ listed and approved motion / occupancy / photoelectric sensors to disable the lift system if an object or a person is present or enters into the boundaries of the lift system.

18. Sensing devices shall be set and sealed at the factory. Field adjustable settings shall be accessible only to the manufacturer's authorized personnel.

19. Control Panel's short circuit rating shall be greater than the available fault current.

20. Wiring shall be routed away from sharp edges and moving parts.

21. Exposed wiring shall be rated for outdoor use or physically protected by an approved means.

22. A component, when replaced, shall be of the identical original manufacturer's part that was approved by the Los Angeles City Electrical Testing Laboratory.

23. If the equipment is no longer in service, it shall be repaired or replaced by the manufacturer's authorized representative. The total number of parking spaces shall comply with the requirements of the building department.

24. This approval shall be void if the product is modified or moved without prior authorization from the Los Angeles City Electrical Testing Laboratory.

25. This approval does not include the calibration of the Vehicle Lift System or any test equipment that is used to service the unit.

26. A copy of this research report shall be placed inside the control panel of the Vehicle Lift System.

DISCUSSION

The product covered under this Research Report is the electrical system of a *Passenger Vehicle Lift System* that is installed in secured commercial or residential buildings in nonhazardous locations. The Vehicle Lift System is only designed for the parking and storage of passenger vehicles. Two vehicles may be placed in a sized single parking space. One vehicle is stored on an elevated horizontal platform or pan that is raised by a hydraulic pump. When the upper vehicle is raised and secured with a steel-on-steel safety lock system, a second vehicle may be parked underneath the raised platform.

The *Vehicle Lift System* employs a steel-on-steel safety locking system that automatically engages when the platform is raised to its designated height. When properly locked, the lift cannot be lowered accidentally due to electrical or hydraulic failure. Only authorized, trained and qualified persons with a key can operate the lift system. The lock system must be released before the lift can be lowered. The lift system cannot be operated by remote control or from a control switch located anywhere except directly adjacent to the individual lift. All low voltage wiring is being energized by a Class 2 power source.

The *Vehicle Lift System* will only be installed in secured lots, accessible to and operated by trained, authorized and qualified parking attendants. If the area of installation is not completely secured and accessible to unauthorized personnel, the lifts will employ listed and approved photoelectric sensors. The sensors will stop the operation of the lift system if an object or person enters the clearance perimeter of the lift while it is being operated. If the sensors fail to function as intended, the lift system will not operate until it is repaired or replaced.

When this *Vehicle Lift System* is installed in accordance with the provisions of this General Approval, it should meet the minimum safety standards of the Los Angeles City Electrical Code.

The fabrication details and strength of the structure of the vehicle lift system was not evaluated as a part of this approval.

For this General Approval to be valid on any installation in the City of Los Angeles, an engineer or inspector of the Department of Building and Safety must make a determination that all conditions of the General Approval required to provide equivalency have been met.

This General Approval is in accordance with Section 93.0303 of the Electrical Code pertaining to "New Materials and Methods of Construction" and does not waive the requirements of the City of Los Angeles Building Code.

This General Approval is neither a product endorsement nor a certification of accuracy or function of the approved item.

PICTURES:

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