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Attn: Michael Fant

RESEARCH REPORT NO.: 501203
Approval Date: Dec 4th, 2025
One Time Approval

GENERAL APPROVAL - Passenger Vehicle Lift System (Double Stacker) - Manufactured by Sultan Development, Inc. The system consists of a “Hydraulic Power Pack”, and the “Vehicle Lifts”. This electrical approval is not a product endorsement nor a certification of accuracy or function of the approved item.

CONDITIONS OF APPROVAL

The following conditions apply to all models. The installation of this Vehicle Lift System is approved when the following conditions are met:

- The following two “Hydraulic Power Pack” models may be used with the Vehicle Lift Systems:

Model Number	Electrical Ratings	# of Lifts	Fused Disconnect
HPP1	110 / 115V / 1PH / 1HP / 20 Amp	1 to 2 Lifts	20 Amp
HPP2	220V / 3PH / 10HP / 40 Amp	1 though 30	40Amp

- The following “Vehicle Lifts” models may be used with the Lift Systems:

Lift Model Number	Overall Outside Dimensions of Lifts		Inside Dimensions of Platforms		Overall Height
	Width	Length	Width	Length	
Parklift 245	8’0 7/16”	14’ 9 1/8”	6’10 11/16”	14’ 9 1/8”	10’4 9/16”
Parklift 245T	8’0 7/16”	14’ 9 1/8”	6’10 11/16”	14’ 9 1/8”	11’4 ½”
Parklift 255	8’4 3/8”	14’ 9 1/8”	7’2 5/8”	14’ 9 1/8”	10’4 9/16
Parklift 255T	8’4 3/8”	14’ 9 1/8”	7’2 5/8”	14’ 9 1/8”	11’4 ½”
Parklift 265	8’8 5/15”	14’ 9 1/8”	7’6 9/16”	14’ 9 1/8”	10’4 9/16”
Parklift 265	8’8 5/15”	14’ 9 1/8”	7’6 9/16”	14’ 9 1/8”	11’4 ½”
Parklift 275	9’0”	14’ 9 1/8”	8’0”	14’ 9 1/8”	11’ 4 ½”

* See manufacturer’s specification sheets.

3. 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>

4. The “*Hydraulic Power Pack*” 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,
 - b. Model designation,
 - c. Serial number,
 - d. Electrical Ratings in Volts, Amp, HP, Phase & Hz,
 - e. “**Caution** - For Installation in Non-Hazardous locations only”,
 - f. “**WARNING - Electrical Shock Hazard.** Do not remove cover. No user serviceable parts inside. Refer servicing to qualified service personnel.”,
 - g. “**WARNING** - This Vehicle Lift System shall ONLY be operated by authorized, trained and qualified personnel. Read all the instructions before operating the equipment”,
 - h. “This Vehicle Lift System shall comply to the conditions of approval listed in Research Report, RR 930550. Not valid if RR is not current. For a copy of the RR visit www.LADBS.org or call 213-482-6721.”

5. Each lift of the “*Vehicle Lift*” shall be plainly and permanently marked on a contrasting background with ½" minimum height letters where readily visible with the following:
 - a. Manufacturer’s name,
 - b. Model designation,
 - c. “**WARNING** - RISK OF INJURY OR DEATH. This Vehicle Lift System shall ONLY be operated by authorized, trained and qualified personnel. Do not operate the lift if people are present on or near the lift. Read all the instructions before operating this Vehicle Lift System”,
 - d. “**CAUTION** - To access the vehicle on the platform, lower the vehicle to the ground level first, DO NOT climb the lift.”,
 - e. “**CAUTION** - The driver and the passengers must exit the vehicle prior to operation of the lift.”,
 - f. “**CAUTION** - The vehicle must be completely on the platform prior to operating the lift.”,
 - g. “**CAUTION** - Maximum dimensions of the vehicle on this lift shall not exceed:
 Height: 78 Inches, Length: 216 Inches, Width 80 Inches”,
 - h. “**DANGER** - **Risk of injury and damage to the Lift System.** Maximum Load Capacity: 6,000 Lb. Do not lift a vehicle exceeding its capacity.”
 - i. “**DANGER** - **Risk of injury.** 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 at 866-512-8768 for repair or replacement.”
 - j. “This Vehicle Lift System shall comply to the conditions of approval listed in Research Report, RR 501203. Not valid if RR is not current. For a copy of the RR visit www.LADBS.org or call 213-482-6721.”

6. The Vehicle Lift System shall only be used by a trained and “Qualified Person” as defined in the Los Angeles Electrical Code.

7. The Vehicle Lift System shall be installed and maintained in strict compliance with the

- manufacturer's instructions by trained, authorized and qualified personnel only.
8. Maintenance of safety mechanisms indicated in the manufacturer's manual shall be recorded and to be included in the maintenance record.
 9. The *Hydraulic Pump & Lift System* shall be equipped with an adjustable release valve, set at 2,500 Lb. to prevent injuries to the operator and damages to the lift system and personal properties, if the vehicle's weight exceeds 6,000 Lb.
 10. An accessible power disconnect switch shall be installed within sight of the Vehicle Lift System. The disconnect switch shall be clearly labeled "Power Disconnect for Vehicle Lift System."
 11. All components of Vehicle Lift System shall be listed by a City of Los Angeles recognized electrical testing laboratory or approved by the Department.
 12. The "transportation system" shall be cleared from foreign objects at all times, and the safety sensing devices shall prevent operation of the equipment when object is blocking its path.
 13. The installation of this *Passenger Vehicle Lift System* shall comply with applicable provisions of the Los Angeles City Codes including but not limited to Building, Electrical, Mechanical, Plumbing, Fire, Zoning Codes and Planning regulations.
 14. 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.
 15. A building permit shall be obtained prior to installation or relocation of the Vehicle Lift System in the City of Los Angeles.
 16. An electrical permit shall be obtained prior to installation of the Vehicle Lift System in the City of Los Angeles.
 17. The Vehicle Lift System shall employ an approved motion / occupancy sensor to disable the lift system if an object or a person is present or enters into the boundaries of the lift system.
 18. In commercial installations the vehicle lift system shall only be accessible to and operated by trained, authorized and qualified parking attendants.
 19. All sensing devices shall be set and sealed at the factory. Field adjustable settings shall be accessible only to the manufacturer's authorized personnel.
 20. A component, when replaced, shall be of the identical original manufacturer's part that was approved by the Los Angeles City Electrical Testing Laboratory.
 21. Homeowner of a single family, duplex or multi dwelling shall file with the City of Los Angeles, Department of Building and Safety (LADBS) "*Covenant and Agreement Regarding Maintenance of Vehicle Lift System - 2 levels*".

22. For each installation of Vehicle Lift System that deviates from the conditions of approval of this research report, a separate One-time field application shall be submitted to Electrical Testing Lab to evaluate site specific issues and requirements.
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. All wiring shall be installed in a listed raceway/channel. A ½" UL-Listed FMC conduit will be installed on the existing control arm to meet LA City Electrical code per Article 300.4 and 348.12.
27. 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 *Passenger Vehicle Lift System* that is installed in nonhazardous locations. The Vehicle Lift System is 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 two hydraulic arm cylinders. When the upper vehicle is raised and secured on to its steel-on-steel lock system, a second vehicle may be parked underneath the raised platform.

The Vehicle Lift System employs a steel-on-steel 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 an authorized, trained and qualified person with a key can operate the lift system. The lock system must be manually 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.

This lift system employs listed and approved motion sensors. The motion sensors stops the operation of the lift system if an object or person either present or enters under a lifted parked vehicle or during descent or rise of a vehicle transportation system. If the motion sensors fail to function as intended, the lift system will not operate until its repaired or replaced.

Multiple lifts can be connected to a single "*Hydraulic Power Pack*", however, only one lift may be operated at a time.

When the Vehicle Lift System is installed in commercial applications, it is only be accessible to and operated by trained, authorized and qualified parking attendant. When the vehicle system is installed in a single or duplex family dwelling it is operated by authorized, trained and qualified individual homeowner or a parking attendant from a key operated control box mounted on each machine.

When this 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.

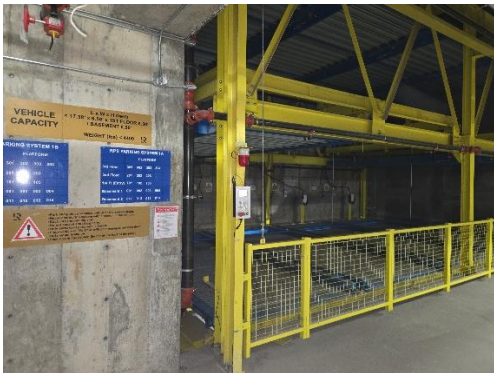
The fabrication details and strength of the structure of the vehicle lift system was not evaluated as a part of this approval.

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



APPROVED BY:

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