

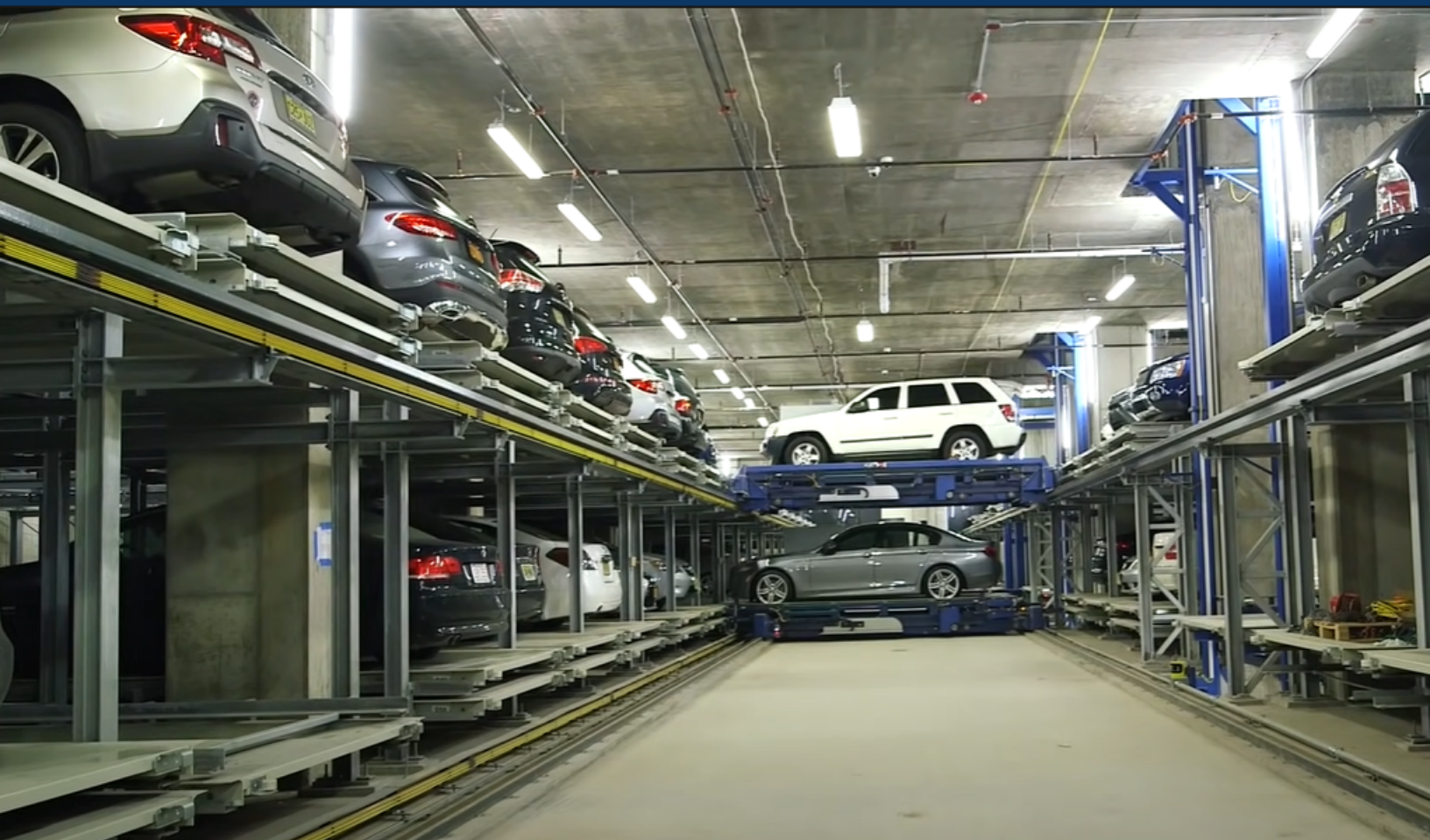


AUTOMOTION PARKING SYSTEMS
THE TRUE TURNKEY PARKING SOLUTIONS

AUTOMOTION SP SYSTEM

FULLY-AUTOMATED SHUTTLE PARKING SYSTEM

The SP system is designed for locations that require a large number of parking spots and receive a high volume of traffic.



AUTOMOTION PARKING SYSTEMS, LLC

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SP SYSTEM

ABOUT SP SYSTEM

The SP system is designed for locations that require a large number of parking spots and receive a high volume of traffic.



Based on a modular concept, the SP can be adapted to meet the specific requirements of any given location. Through the combination of vertical car elevators passing through the entire system and shuttles that work on each individual parking level, the SP boasts a limitless array of possible configurations. The SP provides several hundred parking spots that can be built above or below grade.



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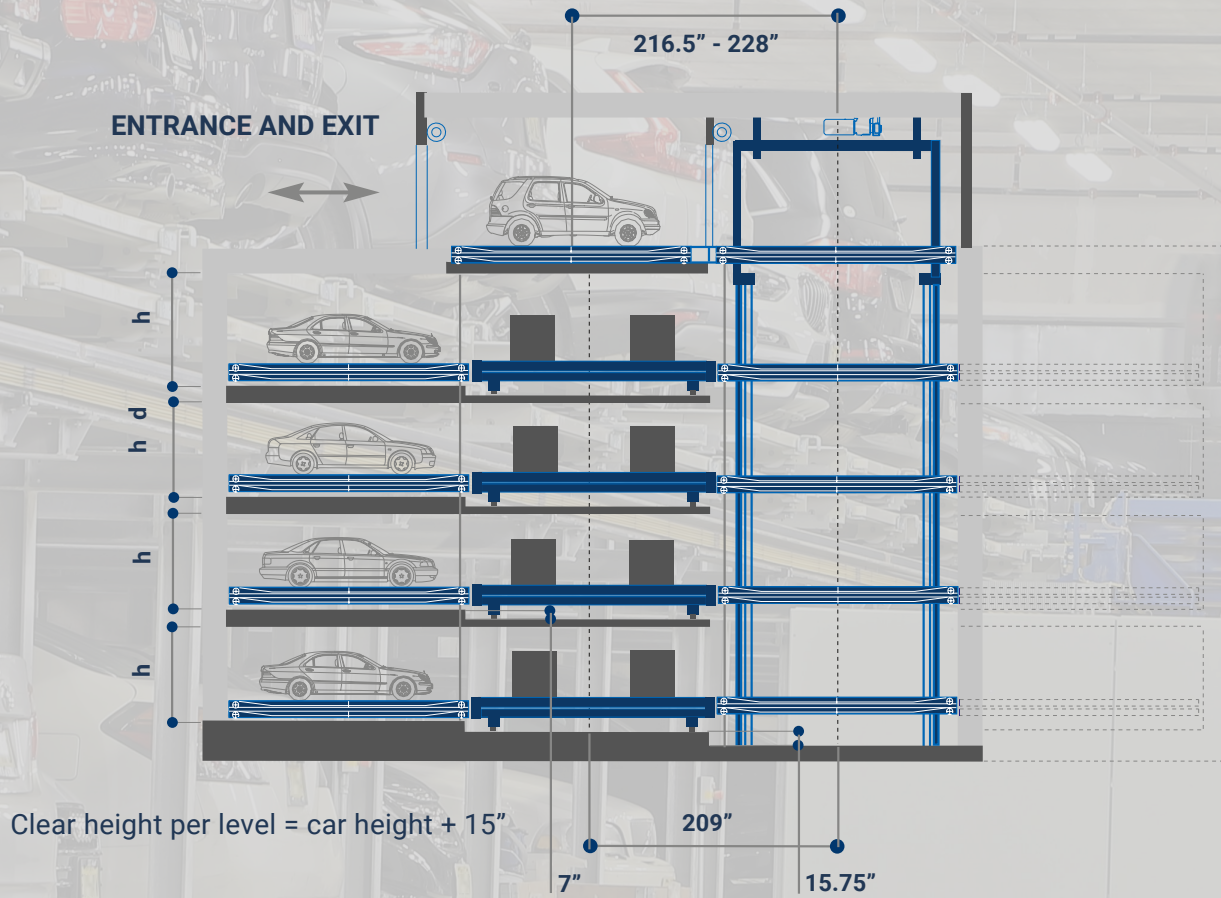


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SIDE VIEW: PARKING SPOTS WITHIN A CONCRETE STRUCTURE



The size of the control cabinet room depends on the number of car elevators and the number of transfer rooms. If the system contains one car elevator and one transfer room, the control cabinet room must be 11.5' (138") L x 79" W x 86.5" H. To accommodate an additional car elevator, the length must be increased to 14.75' (177").

HOW AUTOMATED PARKING SYSTEM WORKS



Transfer room

Vehicles will be parked head-in inside the transfer room and checked for the correct position. The vehicle will then be parked via the turntable or directly via the storage and retrieval unit onto an empty shelf. To exit, the vehicle will be returned to the driver's head-out. At no time is the driver ever allowed to interact with the automated mechanism.



Rack structure

The system can be constructed around a free-standing or in-house steel rack framework. The vehicles are delivered onto parking pallets situated on a rack. As an alternative, a concrete rack structure can be used with pallet rails bolted to the intermediate slabs.



Turntable

Once the vehicle is parked inside the transfer room, the position checked and passengers have exited, the vehicle will be rotated to a head-out position and parked automatically. The turntable allows for any angle position for entry and exit.



Storage and retrieval unit (SRU)

The automatic storage and retrieval unit moves on vertical and horizontal lines to service the various units of the racks. This system allows for the doubling of available parking compared to conventional garage operations.



ENTRANCE AND EXIT ALTERNATIVES

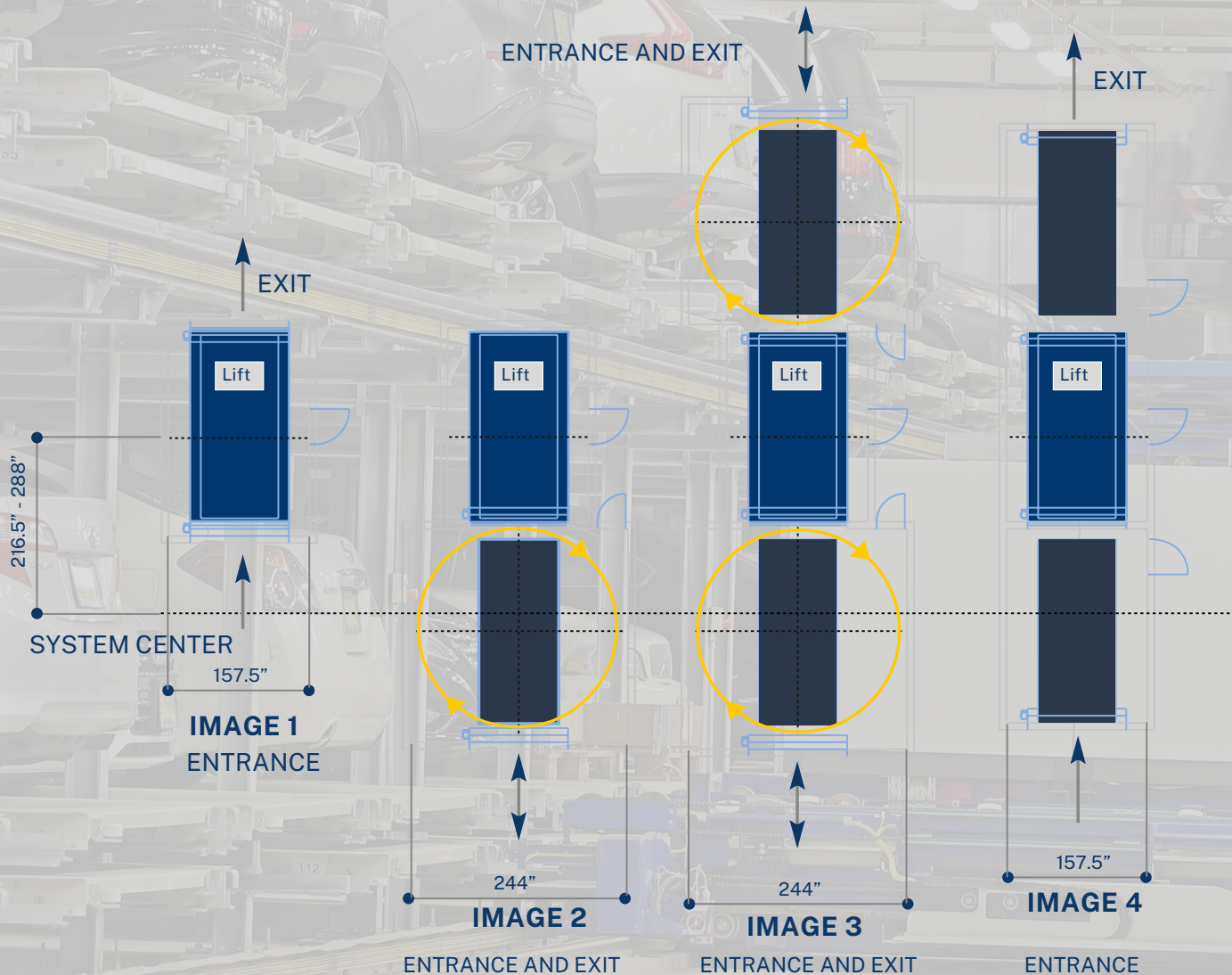


IMAGE 1
Directly driving onto the elevator.

In this case, the transfer room is a drive-through solution without a rotating unit. This solution requires the elevator pit's dimensions to be increased by 39".

IMAGE 3
Double-sided transfer rooms, each with turntable.

This allows both transfer rooms to be used for entering and exiting the parking system, based on demand.

IMAGE 2
Lateral transfer room with turntable.

The elevator can process a new request while the transfer room is occupied.

IMAGE 4
Double-sided transfer rooms with dedicated entrance room and exit room.

The car elevator can process a new request while the transfer room is occupied.

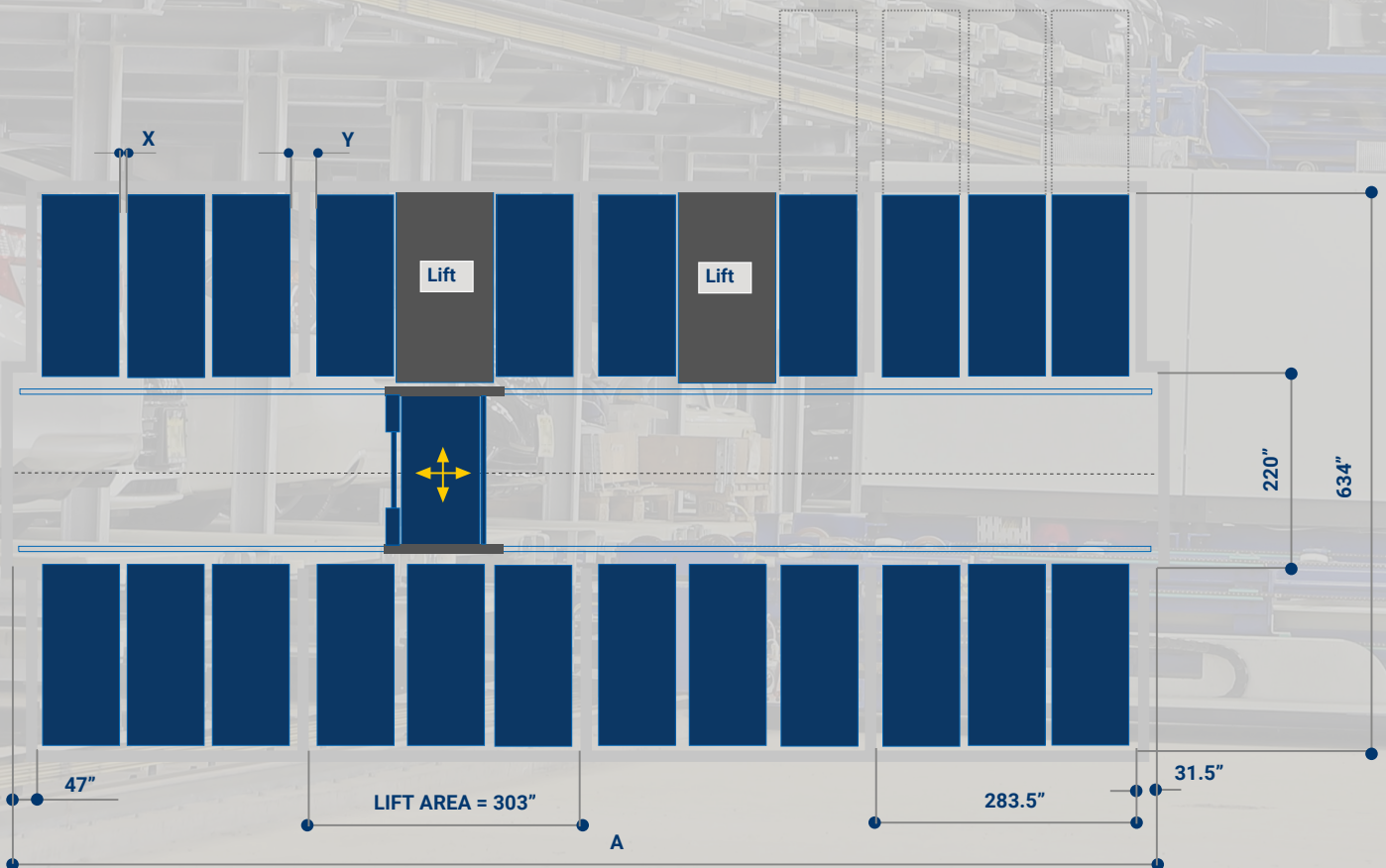


ADDITIONAL INFORMATION

Transfer rooms can be placed on every level within or above the system. The SP allows for various car heights and its integrated quick-change system allows drivers to retrieve cars rapidly, minimizing wait time. The transfer rooms and rotating turntable are arranged to position the vehicle toward the exit, allowing the driver to proceed immediately forward.

Pallet distance X = 4.75", pallet distance Y = 23.5"
 in case of a wall plate with s = 12".

Double and mixed row configurations are possible.



OUR COMPANY

AutoMotion is an innovative parking system that combines a traditional elevator parking system with computerized guidance software. This allows AutoMotion to maximize the number of cars a location can handle while automating the entire vehicle storage and retrieval process. AutoMotion Parking Systems employs a comprehensive staff of architects, engineers, and automated site planning solution specialists to aid in the development of your project. AutoMotion Parking Systems is the leader in transient parking systems in The United States.

UNIVERSAL PARKING SYSTEM (UP)

UNIVERSAL PARKING SOLUTION

- Customized configurations.
- Installation above or below grade
- Retrieves cars quickly, minimizing driver wait times.
- The turntable allows drivers to enter/exit in a driving direction.
- Accommodates a variety of vehicle heights.
- Suitable for public use.

SHUTTLE PARKING SYSTEM (SP)

PARKING SOLUTION FOR A LARGE NUMBER OF PARKING SPOTS AND HIGH-VOLUME TRAFFIC

- Customized configurations.
- Retrieves cars quickly, minimizing driver wait times.
- A turntable allows drivers to enter and exit in a driving direction.
- Accommodates a variety of vehicle heights.
- Suitable for public use.
- Works best in concrete buildings.

LATERAL PARKING SYSTEM (LP)

PARKING SOLUTION FOR NARROW BUILDINGS

- Customized configurations.
- Installation above or below grade.
- Retrieves cars quickly, minimizing driver wait times.
- A turntable allows drivers to enter/exit in a driving direction.
- Accommodates a variety of vehicle heights.

TOWER PARKING SYSTEM (TP)

PARKING SOLUTION FOR SPACES WITH MINIMUM SURFACE AREA AND HIGH HEADROOM

- Customized configurations
- Installation above or below grade
- Retrieves cars quickly, minimizing driver wait times
- A turntable allows drivers to enter/exit in a driving direction
- Accommodates a variety of vehicle heights
- Suitable for public use

WHY OUR AUTOMATED PARKING SYSTEM?

Our fully automated parking garages increase parking up to 100% by sliding cars closer together, both side-to-side and bumper-to-bumper.

Our parking platform allows parking two levels deep with independent access to any car. This can maximize space normally lost in driving lanes and behind columns.

Our turntable allows convenient access in narrow and limited spaces.

