

Exhibit H: Mechanical Parking System Specifications

citylift

SPECIFICATION SHEET

PUZZLE



33 SECONDS

AVERAGE RETRIEVALTIME

UP TO 7 LEVELS

2 - 7 LEVEL CONFIGURATIONS

40,000SPACES INSTALLED

Our most popular and versatile mechanical parking solution is the Puzzle. It comes in 2, 3, 4, 5, 6, and 7-level configurations; with or without pits and is ideal for new construction or retrofits. This mechanical parking lift also works in a tandem configuration without impacting retrieval time. They are widely used in residential, mixed use, and public garages in impacted urban areas. Replacing traditional stackers with the Puzzle can drastically reduce valet costs since each space is independently accessed. The Puzzle can be used indoors or outdoors and requires a minimum clear height of 11' 7 3/4" beginning with the 2 level system.









PUZZLE









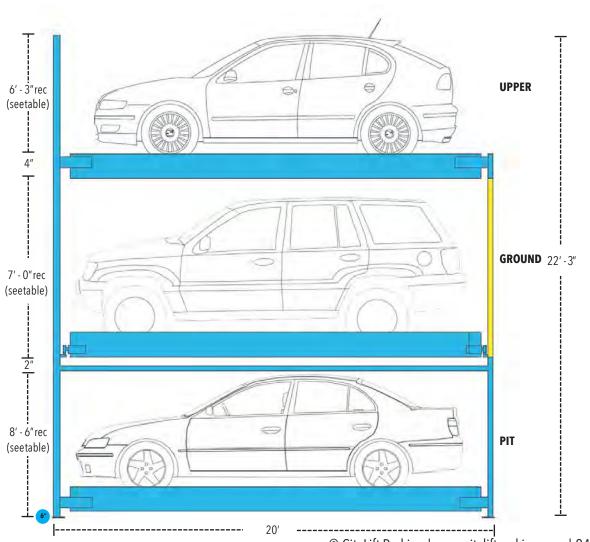




THREE-LEVEL W/PIT



MODEL NO 3LPWP



CAR SIZES

	LENGTH	WIDTH
UPPER	17' - 03/4"	6′ - 10″
GROUND	17' - 03/4"	6' - 63/4"
PIT	17' - 03/4"	6' - 63/4"

HEIGHT OPTIONS

	RECOMMENDED	MINIMUM
UPPER	6' - 3"	5' - 5"
GROUND	7' - 0"	6' - 3"
PIT	8' - 6"	7' - 0"

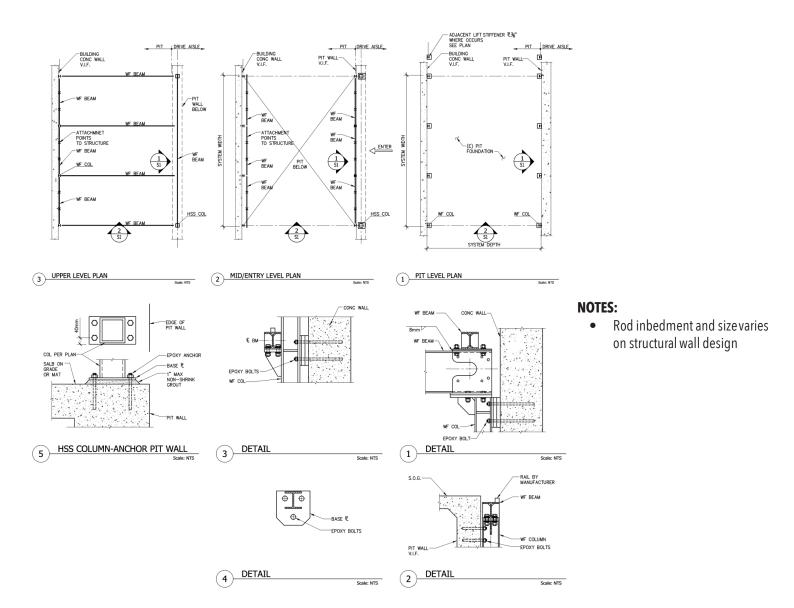
NOTES:

- Recommended and minimum car heights:
- o SUV: 6' 3"
- Sedan: 5' 5"
- Additional sizes can be customized. See *Car Sizes* page.
- Each dimension has a tolerance of:
 6" for length, 6" for width, and 3" for height
- Recommend 4" depressed slab if doing ground level installation for flat driving onto platform
- Usable space dimensions will not change for flat pallets
- 6" needed from back of rear column to face of wall



THREE-LEVEL W/PIT







TECHNICAL SPECS



Average Retrieval Time	Ranges from 30-90 seconds depending on system		
Maximum VehicleWeight	5,200 pounds (6,000 pounds optional)		
Electrical Requirement	480 3-Phase or 208 3-Phase		
Lifting Motor	4.0kW-4P or 2.2 kW-4P (5.5kW for +5 Systems)		
Traverse Motor	0.37 kW-4P		
Control Method	PLC control		
Circuit Breaker	ABB S204-C40		
Operation Method	Button type or touch panel control		
Emergency Stop Switch	XB2-BS542C		
Optoelectronic Switch	LA31/K31/25/31/115		
Remote Monitoring	Primitive Logic / AMI		
Drive System/Motor	SEW-Germany		
PLC/Sensor	Rockwell		
Applicable Code	CA Building Code, 2016 edition		
Seismic Loads	Ch.15 ASCE 7-10: Steel ordinary moment frame		
Machine Bolts	Min tensile strength = 900 MP		
Anchor Bolts/Rods	ASTM F1554, GR.55		
Welding Electrodes	480 MP (E-70 KSI) MIN		







CAR SIZES



LARGE		MEDIUM		SMALL		
LENGTH	WIDTH	LENGTH	WIDTH	LENGTH	WIDTH	
17' - 0 ^{3/4} "	6' - 10"	16' - 5"	6' - 10"	15' - 9"	6' - 10"	
17' - 03/4"	6' - 6 ^{3/4} "	16' - 5"	6' - 6 ^{3/4} "	15' - 9"	6' - 6 ^{3/4} "	
NOTAVAILABLE	NOTAVAILABLE	NOTAVAILABLE	NOT AVAILABLE	15' - 9"	6' - 4 ^{3/4} "	

NOTES:

- Recommended car sizes are listed above
- Additional sizes can be customized
- Each dimension has a tolerance of:
 6" for length, 6" for width, and 3" for height
- Recommend 4" depressed slab if doing ground level installation for flat driving onto platform
- Usable space dimensions will not change for flat pallets

SAMPLE CAR LIST

LARGE					
BMW 5-Series	Audi Q5	Tesla Model S Volvo XC60			
MEDIUM					
Audi A6	BMW X5	Dodge Durango	Jeep Grand Cherokee		
SMALL					
Acura ILX	BMW 3-Series	Honda Civic	Lexus IS		

Note: Standard load is 5,200 lbs per vehicle. Heavier loads available. Individual cars should be measured for size fit. Above is a sample list of 2016 model cars that can fit on the different platform sizes given a 6' horizontal clear height. This list is not meant to be comprehensive or exahaustive.



EQUIPMENT SIZES



3LPWP	LENGTH	RECOMMENDED WIDTH		MINIMUM WIDTH	
	LENGIN	2 BAYS	3 BAYS	2 BAYS	3 BAYS
S	18'-8 3/4"	16'-11 7/8"	25'-2 3/8"	16'-1/8"	23'-8 5/8"
М	19'-6"	16'-11 7/8"	25'-2 3/8"	16'-1/8"	23'-8 5/8"
L	20'-3 1/4"	16'-11 7/8"	25'-2 3/8"	16'-1/8"	23'-8 5/8"

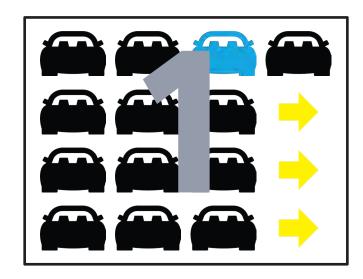
NOTES:

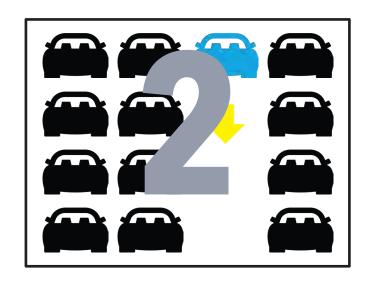
- Equipment Length: 6" back clearance needed for cable tray and installation
- Equipment Width: 6" clearance needed at two sides for vehicle door opening
- Length and Width are measured from edge of base plate to edge of base plate
- 6LP and 7LP configurations are high-rise custom-made Puzzle systems. Column and sizes are subject to change per project based on site condition/roofing/skin/etc.

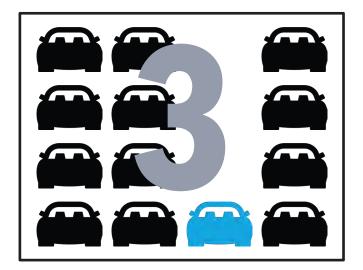


CAR RETRIEVAL









- 1. Except for the top level, one space will be missing from each level. This allows for each car to be indepently accessible via kiosk or remote key fob. For the blue car to be retrieved, 3 cars from levels 1-3 will move to the right.
- 2. This allows for the blue car to drop to ground level.
- 3. Blue car is ready to be retrieved.

