

DONGYANG ADVANCED PARKING SYSTEM



ADVANCE
PARKING

DONGYANG AP Co.,Ltd



INTRODUCTION

DONGYANG ADVANCED PARKING CO.,LTD(DYAP) promise to provide Clients to Safe and Convenience and Reliable product.

DYAP Specializes in Automated Car Parking system. DYAP consists of veteran engineers who have over 20years experience in Car Parking System industrial.

Based on our know-how and experience, DAYP provides Clients with products which have More parking in less space, User friendly, Making valuable property, Reliable.

In order to meet Client's need we are supplying for various service such as Parking consulting, Design, Fabrication, Installation, Supervision, Maintenance etc.

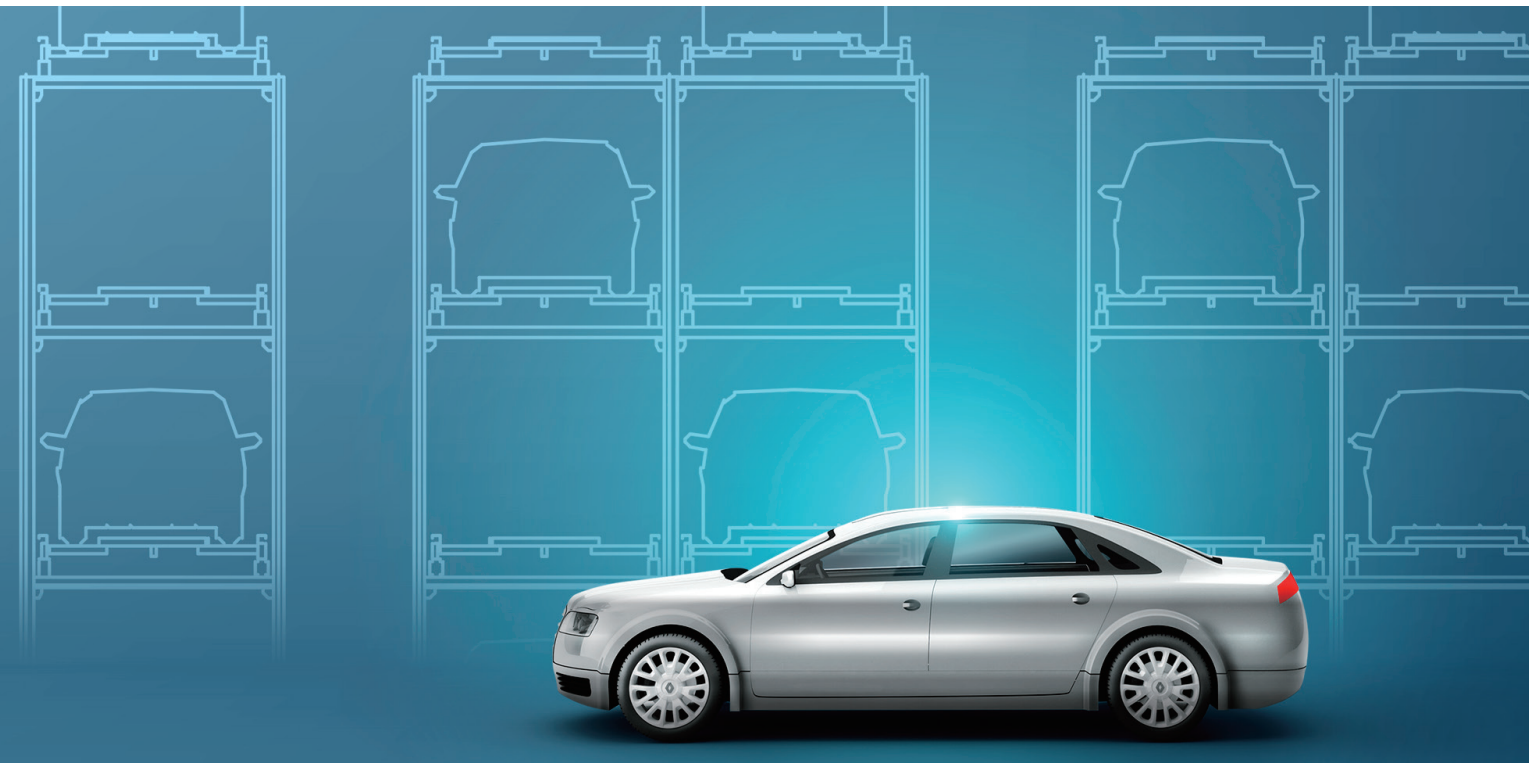
Automated Car Parking System is getting popular and highlighted on Modern city and Urban Area to solve Car Parking problem. We continually expand our knowledge of techniques and industry practices.

We ensure a reliable service and engineering solution for our clients.

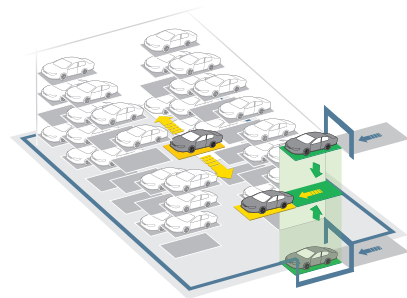
Thank You.



Your Close Mate for Convenient and Safe Parking

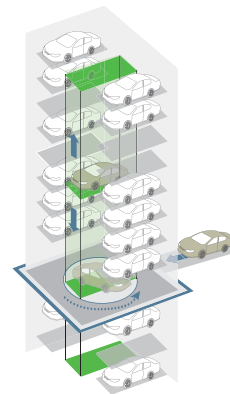


MAIN PRODUCT



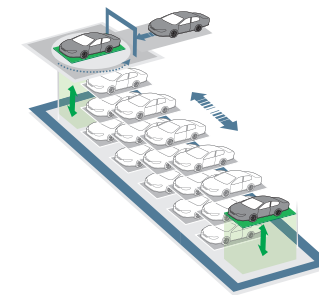
CART SYSTEM(CS)

- 009** _ Length-wise Standard type(F-type), Outer Turn-table
- 010** _ Length-Wise Tandem type(F-Type), Outer Turn-table
- 011** _ Length-wise type(F-type), Lift with Turn-table
- 012** _ Length-wise type(F-type), Cart with Turn-table
- 013** _ Length-wise type(F-type), Cart with Turn-table on Lift
- 014** _ Breath-wise type(S-type), Outer Turn-table
- 015** _ Breath-wise type(S-type), Cart on Lift
- 016** _ Pallet-less type



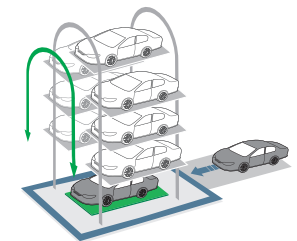
TOWER SYSTEM(TS)

- 021** _ Built-in and Lower Entrance
- 022** _ Built-in and Intermediate Entrance
- 023** _ Built-in and Upper Entrance
- 024** _ Stand Alone and Lower Entrance
- 025** _ Stand Alone and Intermediate Entrance



SQUARE SYSTEM(SS)

- 029** _ L2 type - Standard type
- 030** _ L2 type - Upper Turn type
- 031** _ L2 type - Lower Turn type
- 032** _ L2 type - Direct entrance type
- 033** _ L3 type - Standard type



ROTARY SYSTEM(RS)

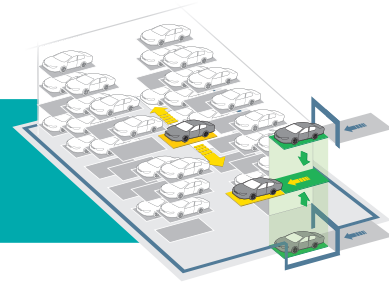
- 037** _ Sedan Parking(8cars), SUV Parking(8cars)

DONGYANG ADVANCED PARKING SYSTEM

CART SYSTEM(CS)

- Length-wise Standard type(F-type), Outer Turn-table
- Length-Wise Tandem type(F-Type), Outer Turn-table
- Length-wise type(F-type), Lift with Turn-table
- Length-wise type(F-type), Cart with Turn-table
- Length-wise type(F-type), Cart with Turn-table on Lift
- Breath-wise type(S-type), Outer Turn-table
- Breath-wise type(S-type), Cart on Lift
- Pallet-less type

CART SYSTEM-Pallet type



CART SYSTEM(CS)-Pallet type

The lift drives from entry and exit level to parking floor and quantity of lift are determined according to parking bays and time performance in design stage.

The cart(shuttle) performs to transfer vehicles from lift to parking storage or reverse. Each cart and lift moves independently and simultaneously for better performance.

FEATURES

- Each tier has independent operation.
- It can be customized by building lay-out.
- Less excavation cost than conventional parking.
- Applying Safety devices

STANDARD SPECIFICATION

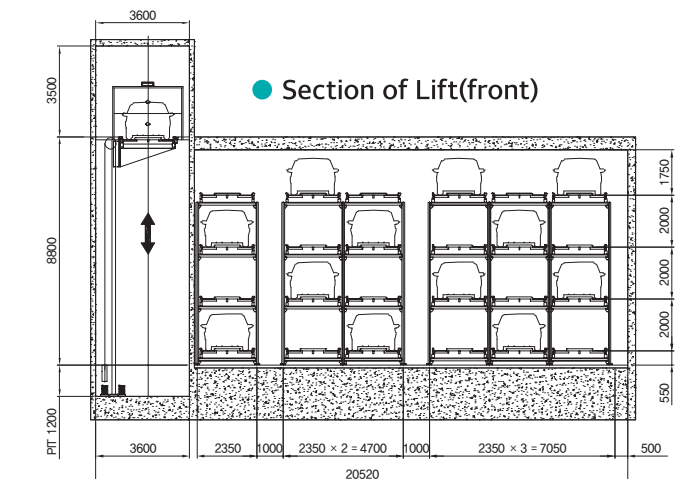
CAPACITY	ACCEPTABLE CAR SIZE			MOTOR		
8 cars ~ Unlimited	Classify	Sedan	SUV	HOISTING	PICKING	TRAVELING
	Length(mm)	4800~5300		18.5kw~30kw	1.5kw~2.2kw	1.5kw~3.7kw
	Width(mm)	2100~2200		SPEED		
	Height(mm)	1550~2000		40~90 m/min	38~48 m/min	72~120 m/min
	Weight(kg)	1850~2500		-	-	-
	OPERATION & CONTROL			SAFETY DEVICES		
	· Touch Screen · PLC Control · Computer Monitoring(Optional) · RF Card system(Optional)			· Traffic Lamp · Guide indicator · Position Sensor · Anti over-run Device · Emergency Stop Switch · Various Sensor		

※ The Specification can be changeable by site condition.

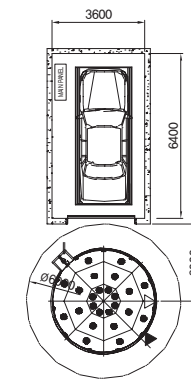
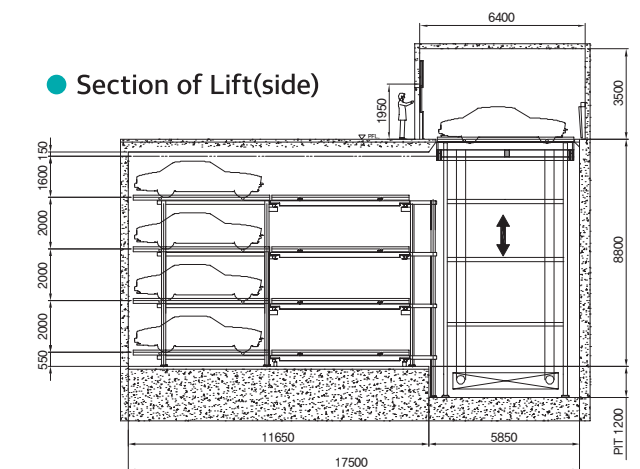
Length-wise Standard type(F-type), Outer Turn-table



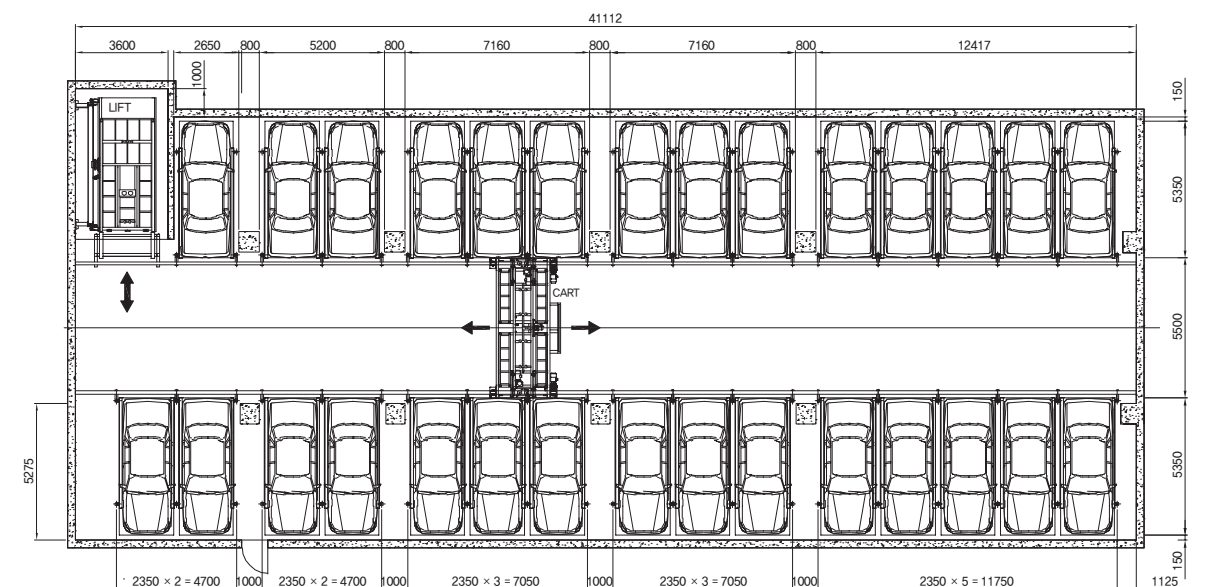
DONGWON TOWER



Section of Lift(side)



Entrance Plan

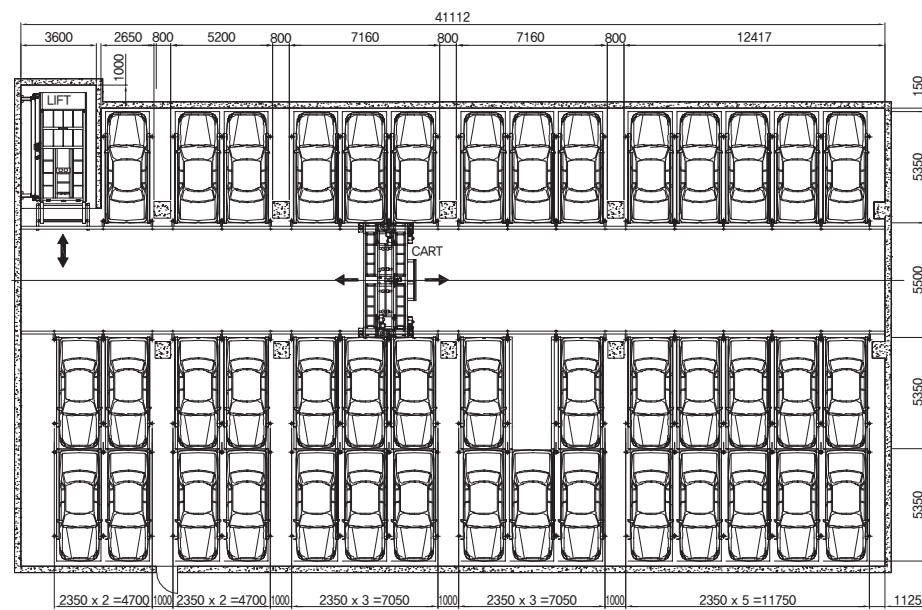
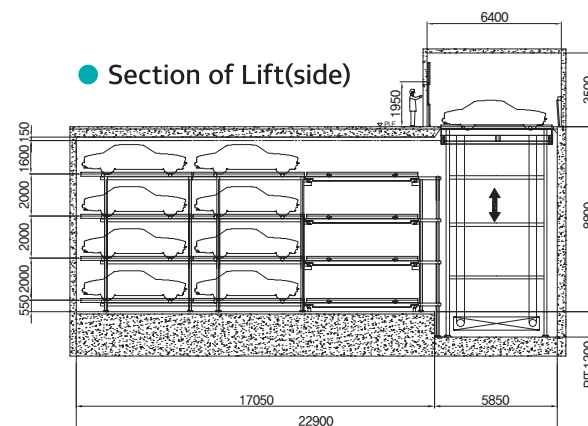
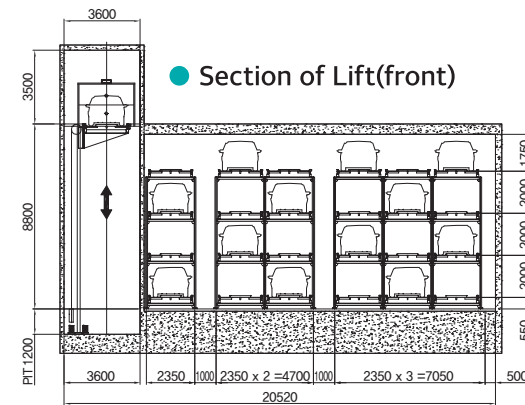
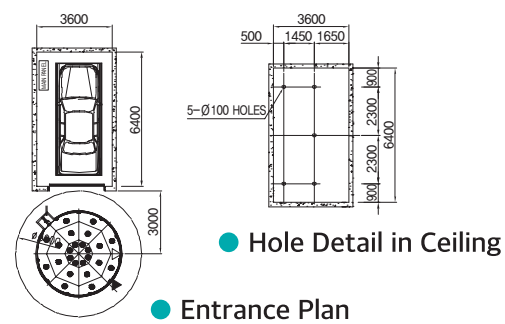


Parking System Plan

Sample Drawing(Above)

- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

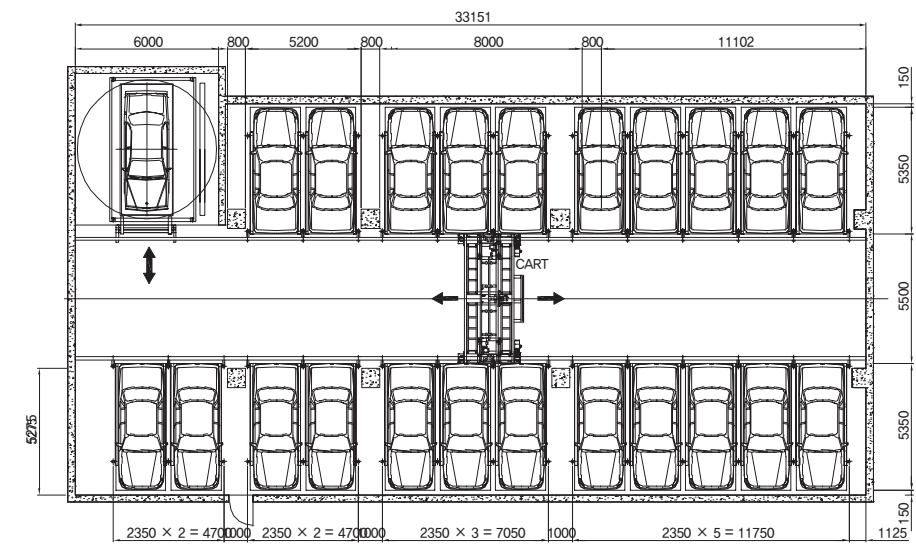
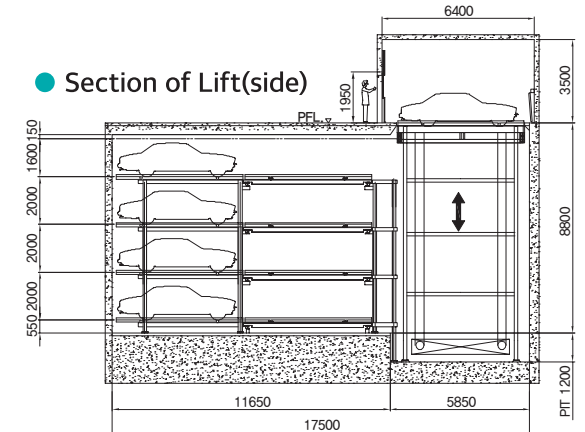
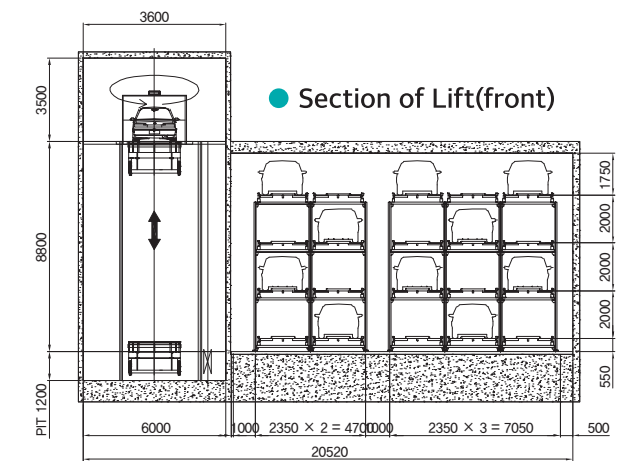
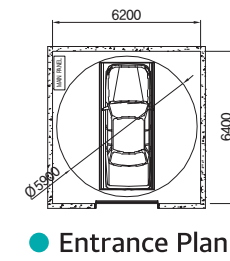
Length-Wise Tandem type(F-Type), Outer Turn-table



Sample Drawing(Above)

- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

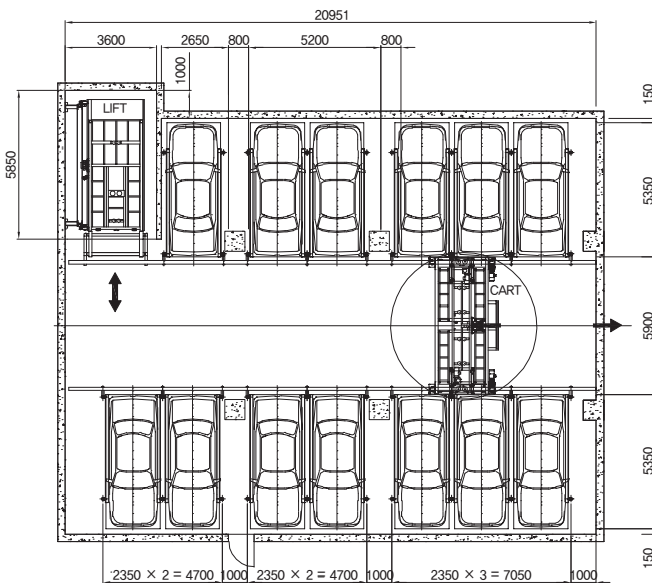
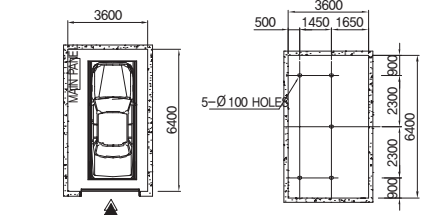
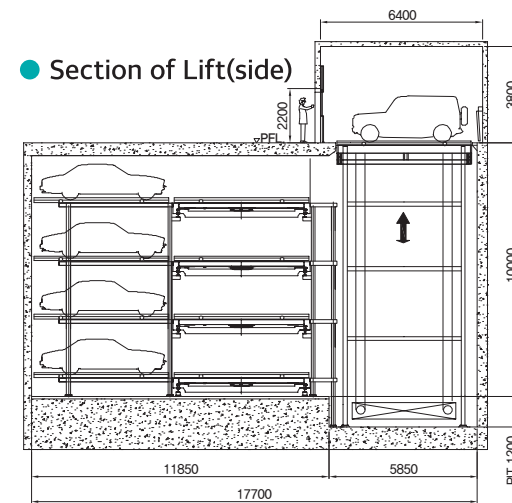
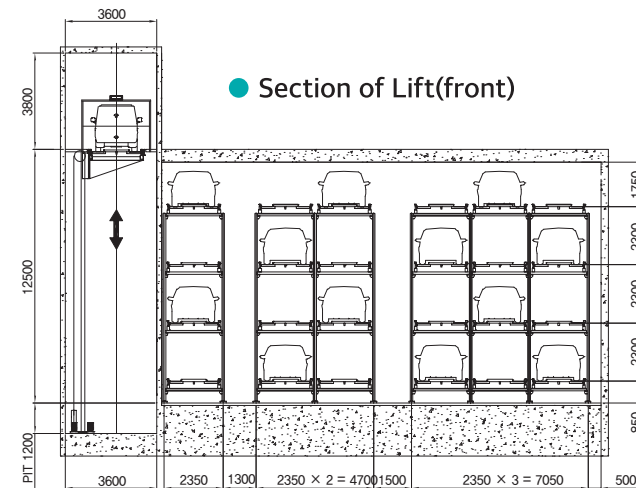
Length-wise type(F-type), Lift with Turn-table



Sample Drawing(Above)

- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

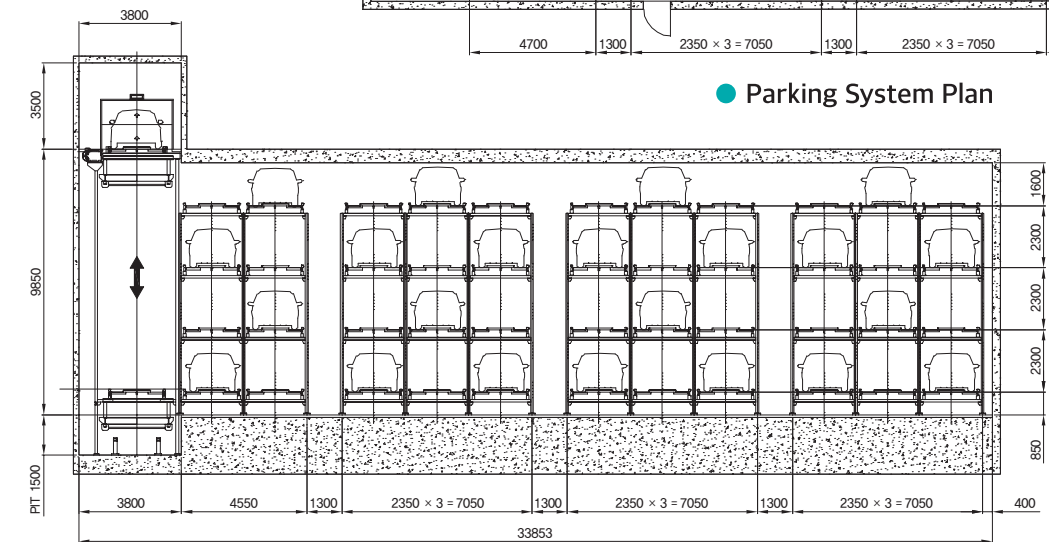
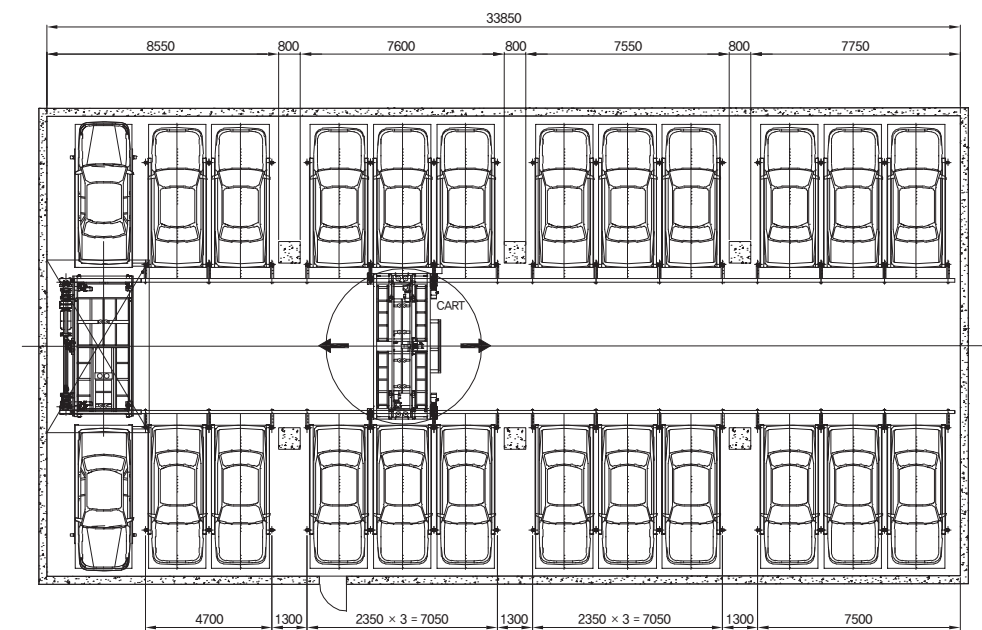
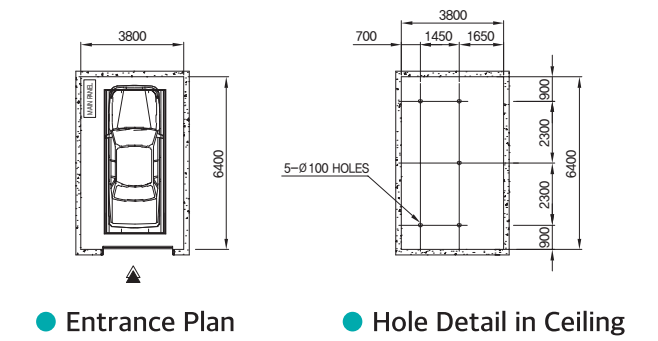
Length-wise type(F-type), Cart with Turn-table



Sample Drawing(Above)

- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

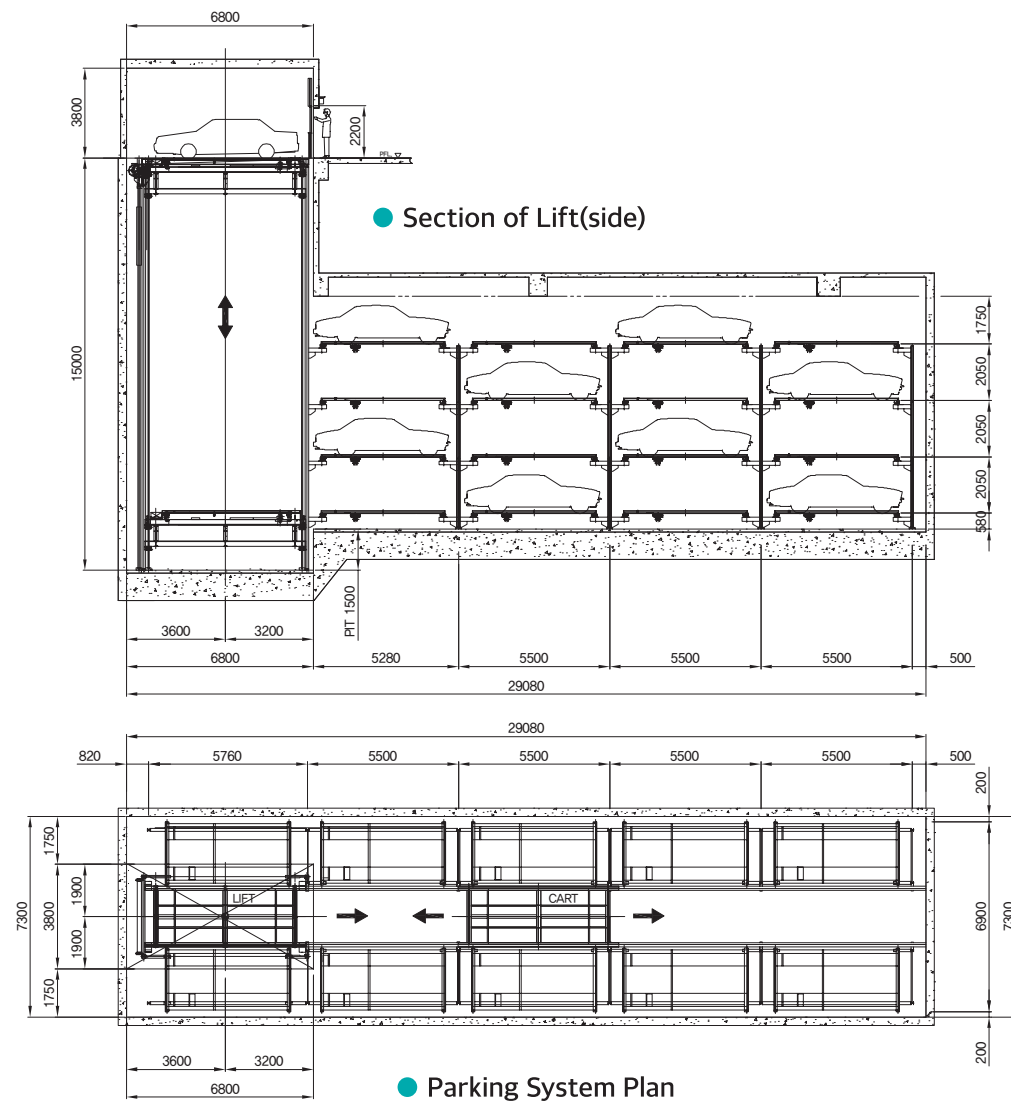
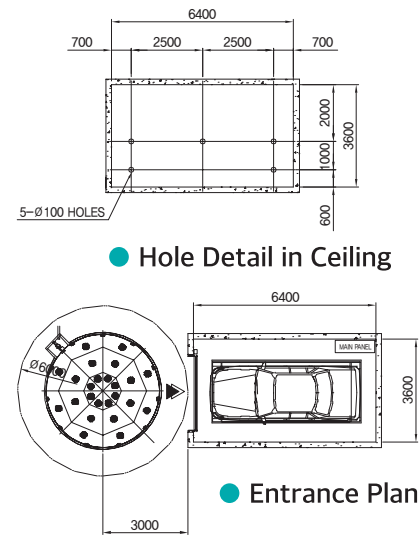
Length-wise type(F-type), Cart with Turn-table on Lift



Sample Drawing(Above)

- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

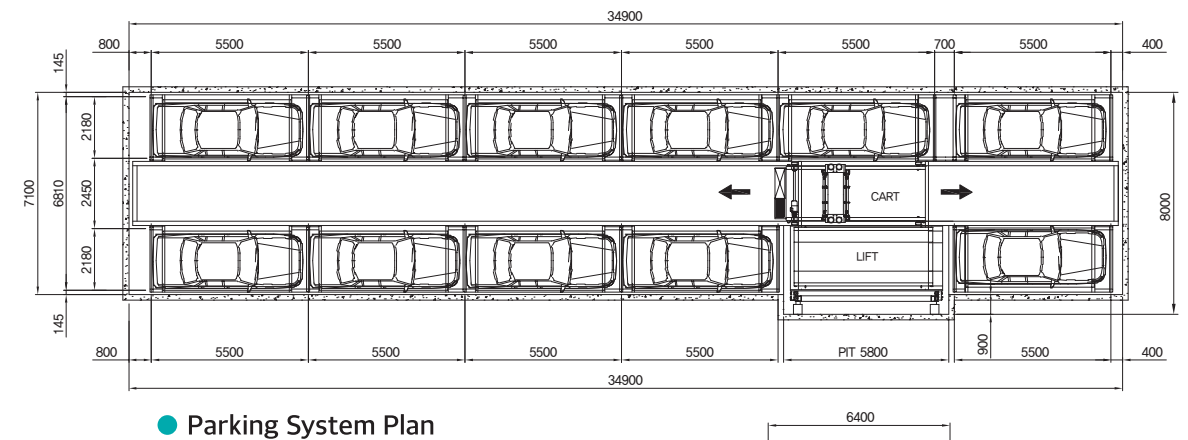
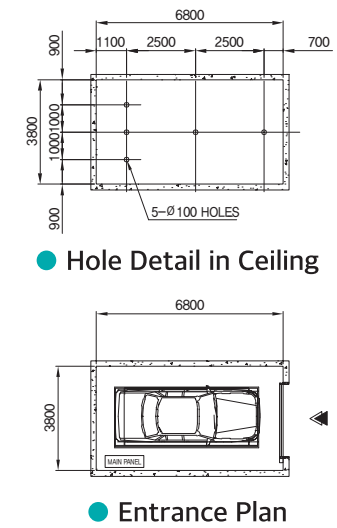
Breath-wise type(S-type), Outer Turn-table



Sample Drawing(Above)

- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

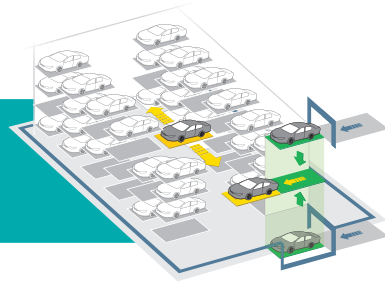
Breath-wise type(S-type), Cart on Lift



Sample Drawing(Above)

- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

CART SYSTEM_Pallet-less type



PALLET-LESS TYPE

It is a kind of cart system. But there are no pallets. The robotic arms grab four wheels of vehicle. And transfer the vehicle from lift to cart and cart to parking storage. A centering device makes minimize width in parking storage. Therefore, It has unique space efficiency. For the safety, various sensor were applied in this system.

FEATURES

- Robotic arms transfer a vehicle without a pallet.
- Each tier has independent operation.
- Centering Device makes less space(width) in Parking lot
- Various sensors were applied.

STANDARD SPECIFICATION

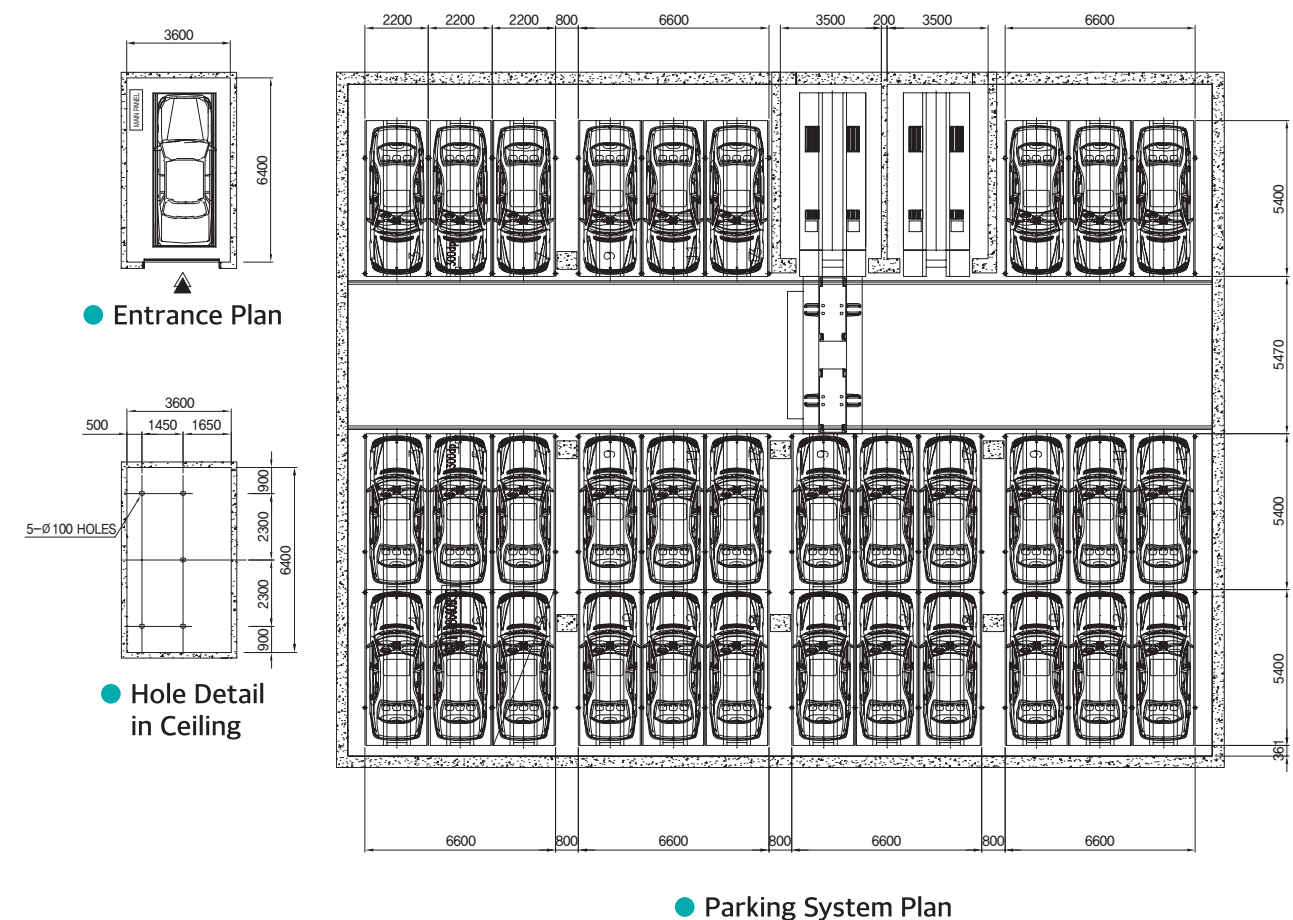
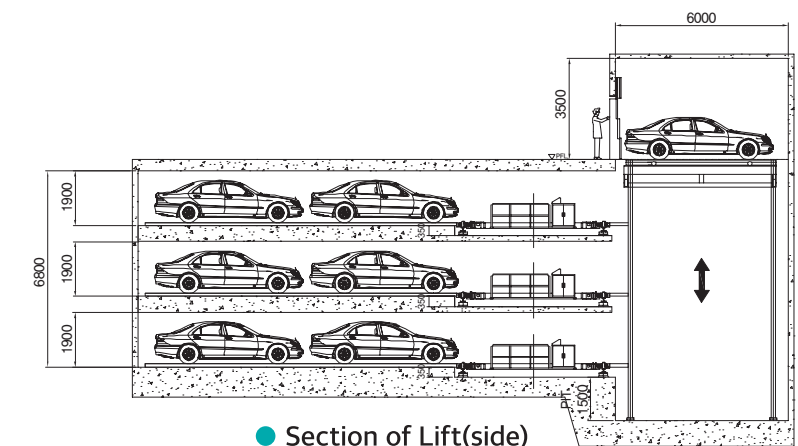
CAPACITY	ACCEPTABLE CAR SIZE			MOTOR		
10 cars~ Unlimited	Classify	Sedan	SUV	HOISTING	LOADING	TRAVELING
	Length(mm)	4800~5300		18.5kw~30kw	0.75 kw	1.5kw~2.2kw
	Width(mm)	2150		SPEED		
	Height(mm)	1550~2000		40~90m/min	0.6m/min	72~120m/min
	Weight(kg)	1850~2500		-	-	-
	OPERATION & CONTROL			SAFETY DEVICES		
	· Touch Screen · PLC Control · Computer Monitoring(Optional) · RF Card system(Optional)			· Traffic Lamp · Guide indicator · Position Sensor · Anti over-run Device · Emergency Stop Switch · Various Sensor		

※ The Specification can be changeable by site condition.

Length-wise type(F-type), Upper Entrance



GABEUL MYEONGGA



Sample Drawing(Above)

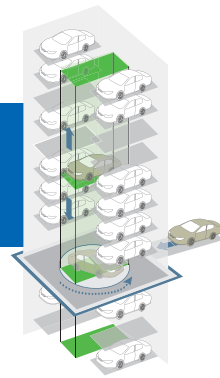
- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

DONGYANG ADVANCED PARKING SYSTEM

TOWER SYSTEM(TS)

- Built-in and Lower Entrance
- Built-in and Intermediate Entrance
- Built-in and Upper Entrance
- Stand Alone and Lower Entrance
- Stand Alone and Intermediate Entrance

TOWER SYSTEM



TOWER SYSTEM(TS)

The Lift is placed on center of system. And Transfer a vehicle to left or right. It has simple procedure to park and retrieve vehicles. In a case of Free-zone type, parking time is more speedy than normal type. And inner turn-table will help users when they drive out in forward direction.

FEATURES

- Speedy Performance.
- Less vibration and less noise.
- It is Simple system and less rate of Malfunction.
- Steel structure design allows the local wind velocity and seismic conditions

STANDARD SPECIFICATION

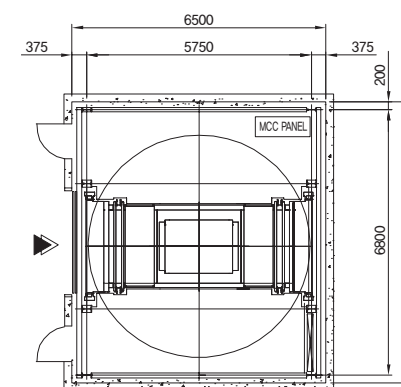
CAPACITY	ACCEPTABLE CAR SIZE			MOTOR		
10 cars~ 80 cars	Classify	Sedan	SUV	HOISTING	PICKING	TRAVELING
	Length(mm)	4800~5300		22kw~45kw	2.2kw~3.7KW	1.5kw
	Width(mm)	2100~2200		SPEED		
	Height(mm)	1550~2000		60~120 m/min	28~48 m/min	-
	Weight(kg)	1850~2500		-	-	-
	OPERATION & CONTROL			SAFETY DEVICES		
	· Touch Screen · PLC Control · Computer Monitoring(Optional) · RF-Cars system(Optional)			· Traffic Lamp · Guide indicator · Position Sensor · Anti over-run Device · Emergency Stop Switch · Various Sensor		

※ The Specification can be changeable by site condition.

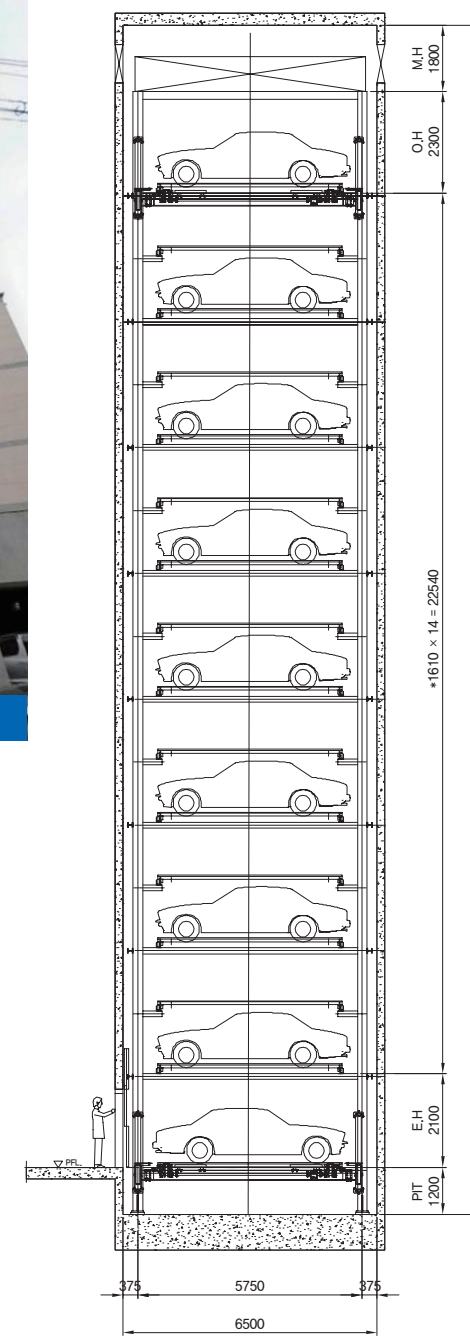
Built-in and Lower Entrance



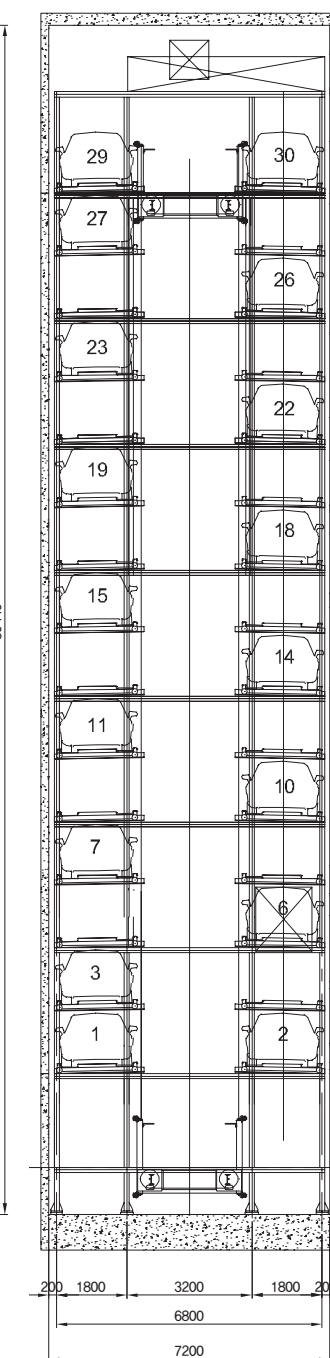
CHANGWOO VILLA



● Entrance Plan



● Section of Lift(side)

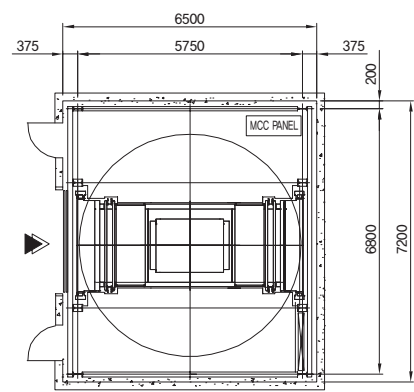


● Section of Lift(front)

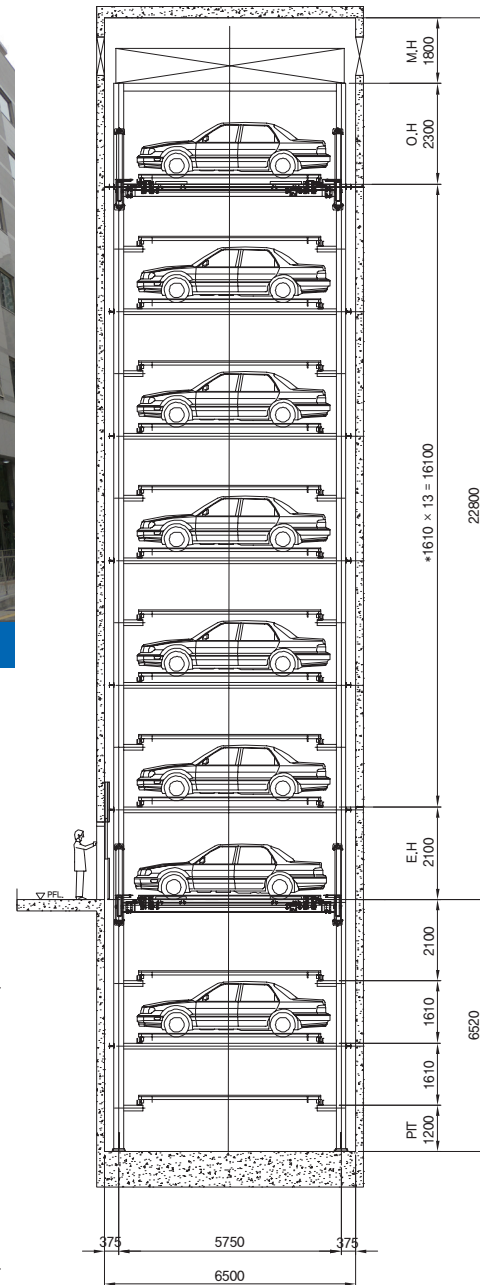
Sample Drawing(Above)

- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

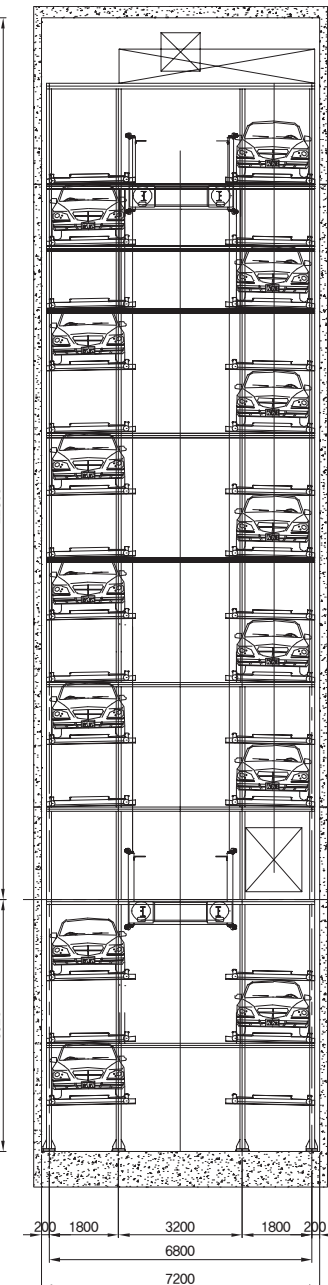
Built-in and Intermediate Entrance



● Entrance Plan



● Section of Lift(side)

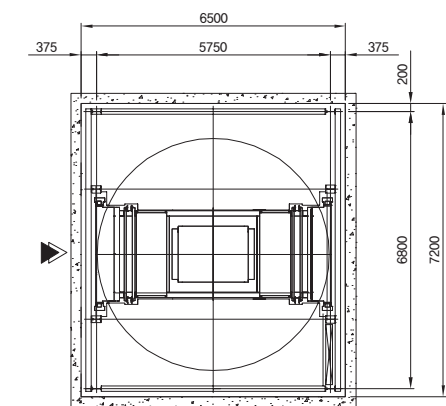


● Section of Lift(front)

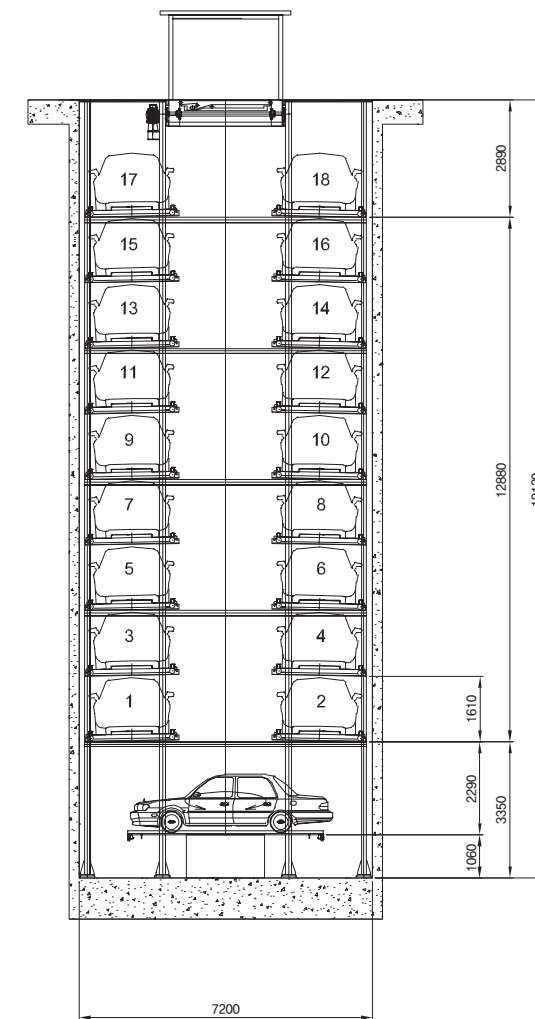
Sample Drawing(Above)

- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

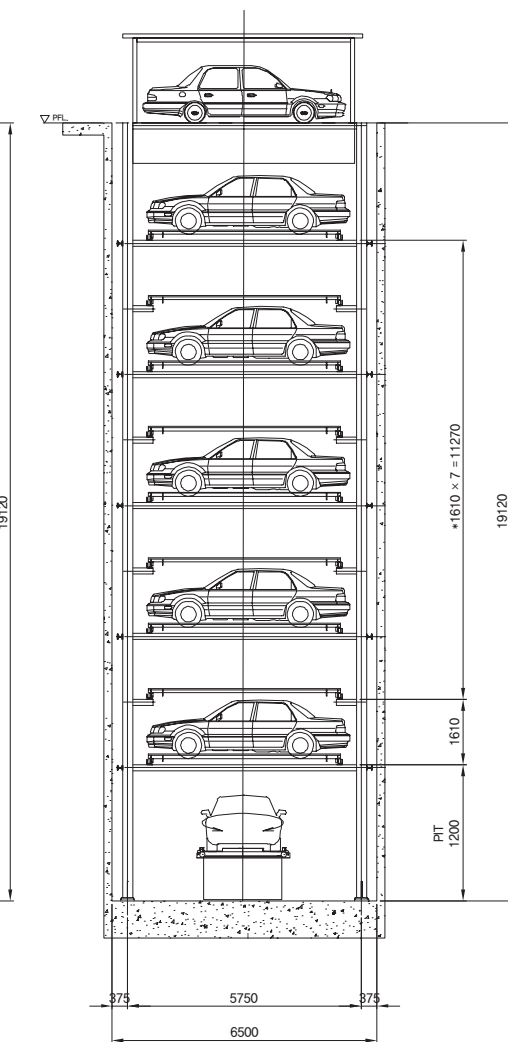
Built-in and Upper Entrance



● Entrance Plan



● Section of Lift(side)

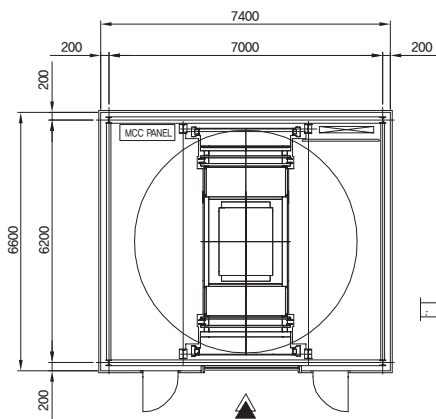
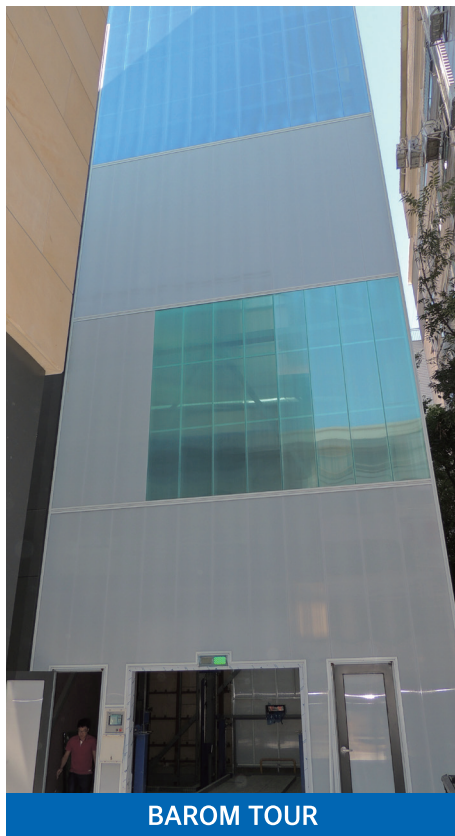


● Section of Lift(front)

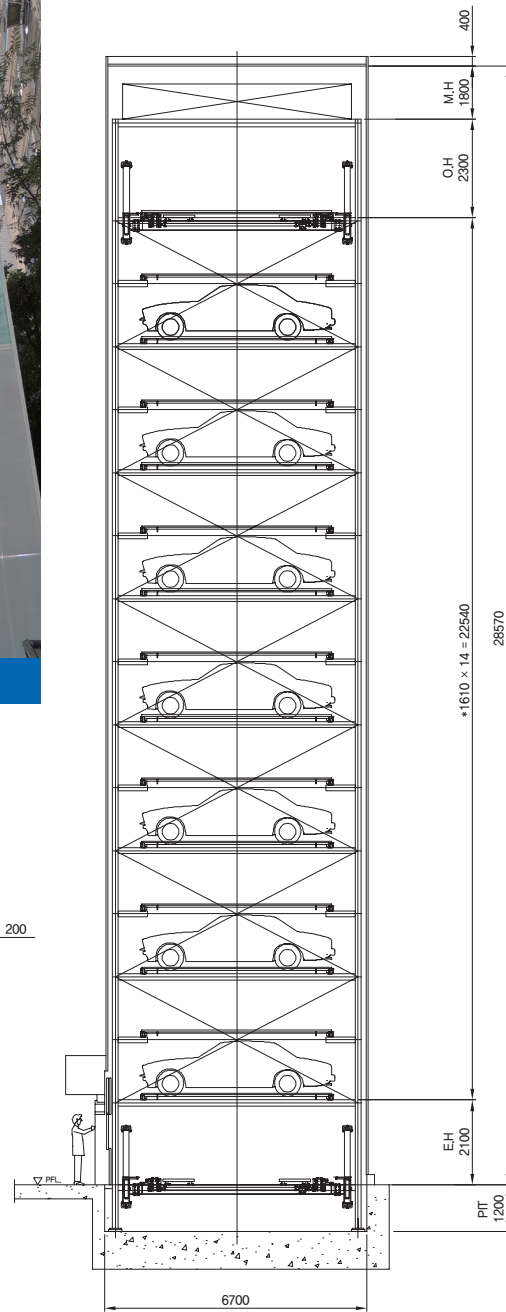
Sample Drawing(Above)

- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

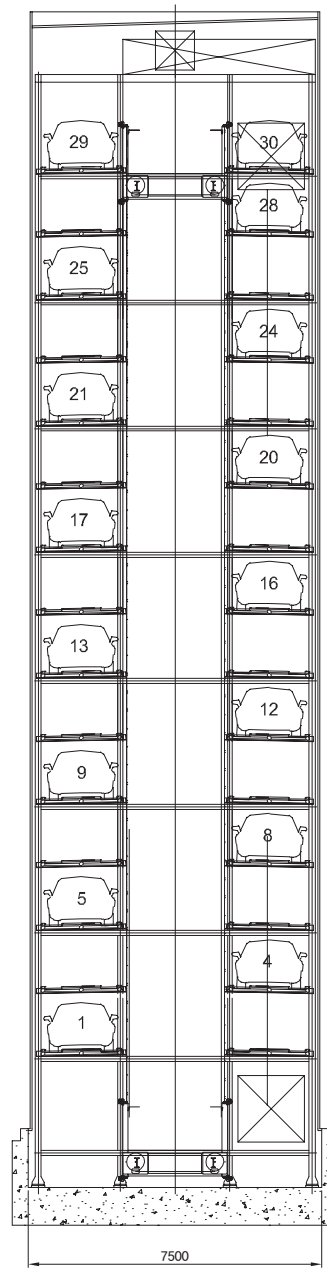
Stand Alone and Lower Entrance



● Entrance Plan



● Section of Lift(side)

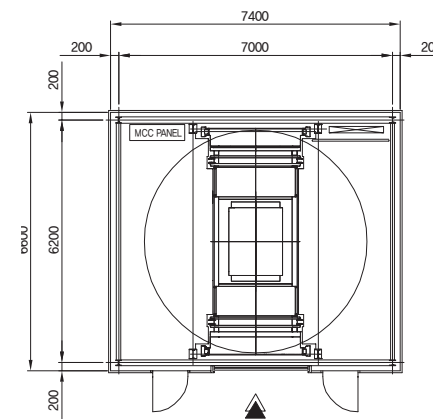


● Section of Lift(front)

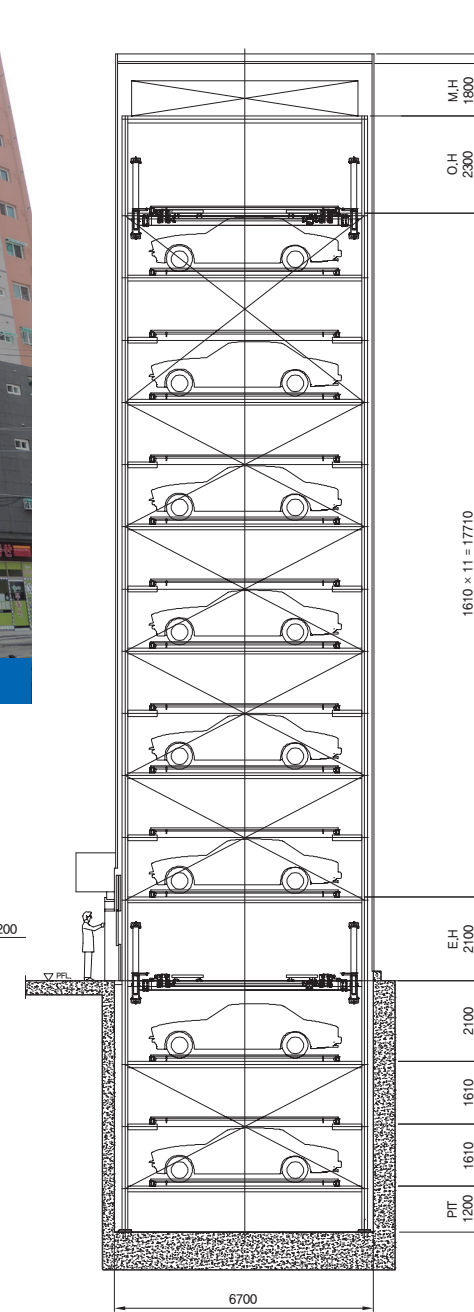
Sample Drawing(Above)

- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

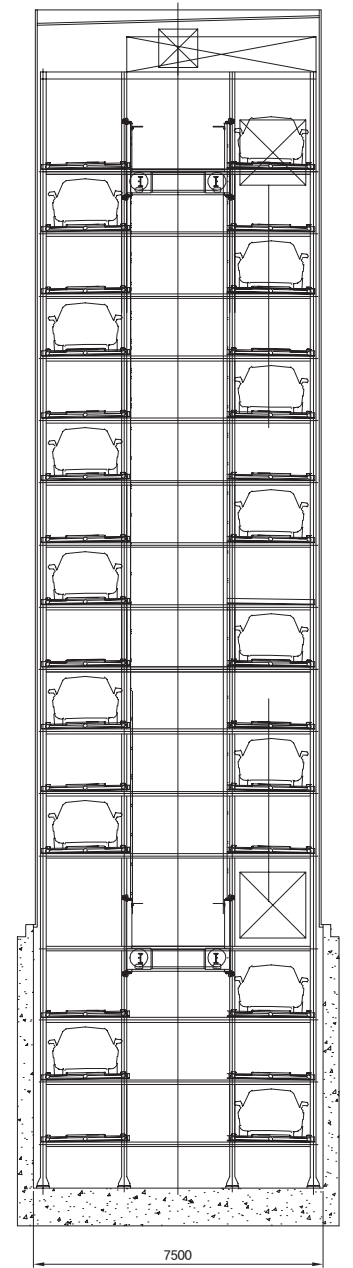
Stand Alone and Intermediate Entrance



● Entrance Plan



● Section of Lift(side)



● Section of Lift(front)

Sample Drawing(Above)

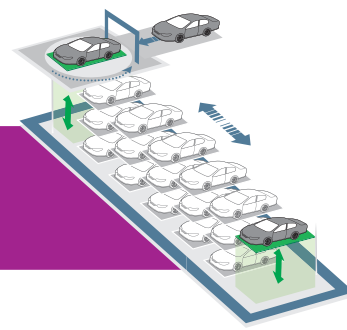
- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

DONGYANG ADVANCED PARKING SYSTEM

SQUARE SYSTEM(SS)

- L2 type - Standard type
- L2 type - Upper Turn type
- L2 type - Lower Turn type
- L2 type - Direct entrance type
- L3 type - Standard type

SQUARE SYSTEM



SQUARE SYSTEM(SS)

There are lifts on both sides. They go up and down to rotate parking storage. Mostly it is applied in basement because it has unique space efficiency. This system are sorted by entrance type(Upper entrance, Intermediate entrance, Lower entrance).

FEATURES

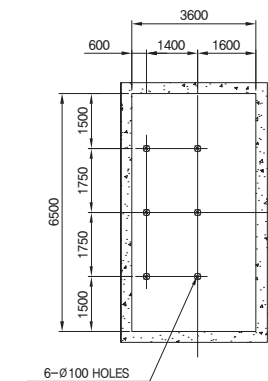
- Function of system is simple. It is easy to operate and maintain.
- Users can monitor the system with touch screen and computer monitor system.
- It is the most suitable for basement type.

STANDARD SPECIFICATION

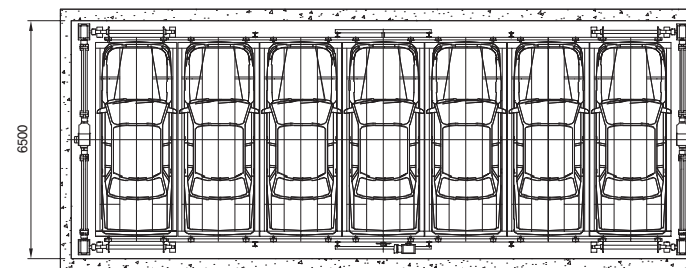
CAPACITY	ACCEPTABLE CAR SIZE			MOTOR	
12 cars ~ 42 cars	Classify	Sedan	SUV	HOISTING	SLIDING
	Length(mm)	4800~5300		15kw~18.5kw	3.7kw~5.5kw
	Width(mm)	2100~2200		SPEED	
	Height(mm)	1550~2000		17~20m/min	20~25m/min
	Weight(kg)	1850~2500		-	-
	OPERATION & CONTROL			SAFETY DEVICES	
	· Touch Screen · PLC Control · Computer Monitoring(Optional) · RF-Card system(Optional)			· Traffic Lamp · Guide indicator · Guide Mirror · Position Sensor · Chain Detecting Sensor · Emergency stop	

※ The Specification can be changeable by site condition.

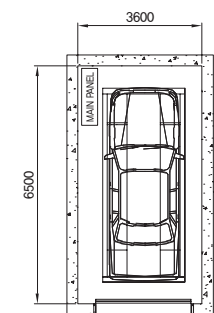
L2 type - Standard type



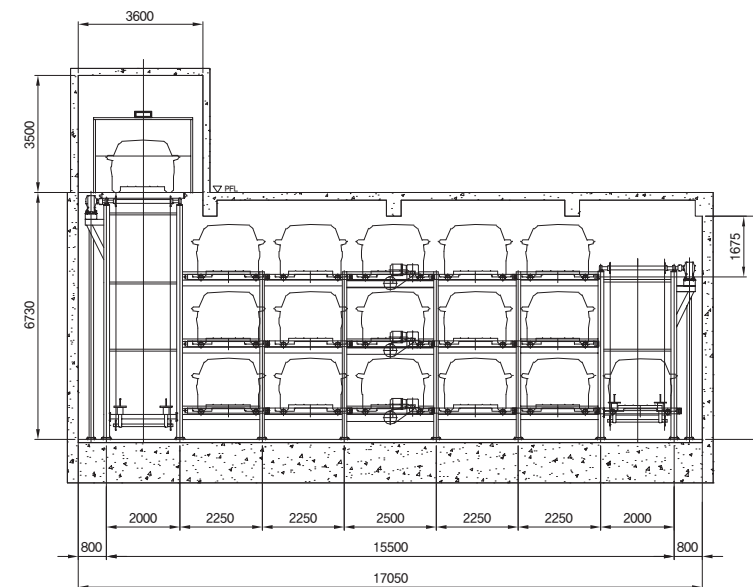
● Hole Detail in Ceiling



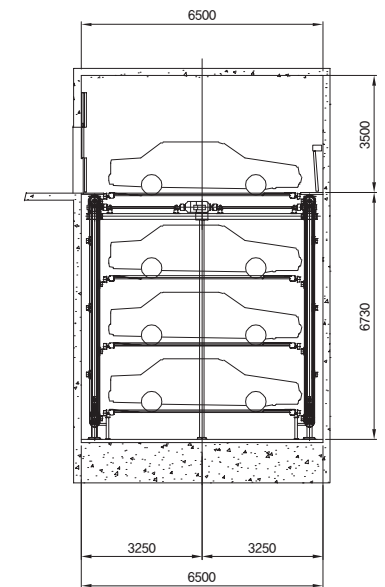
● Parking Plan



● Entrance Plan



● Section of Lift(front)

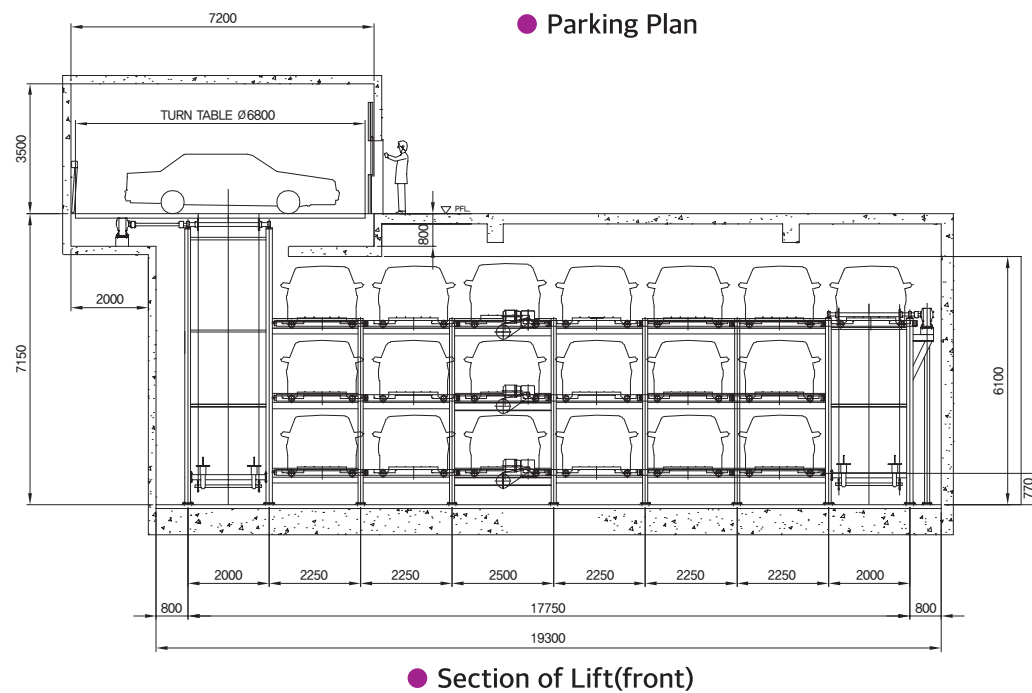
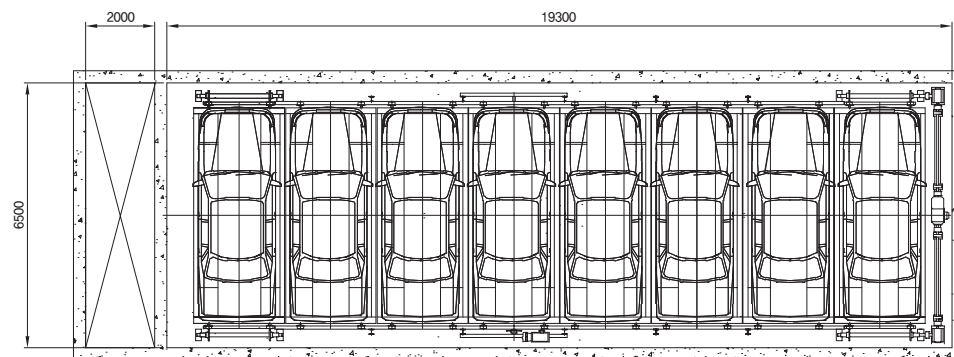
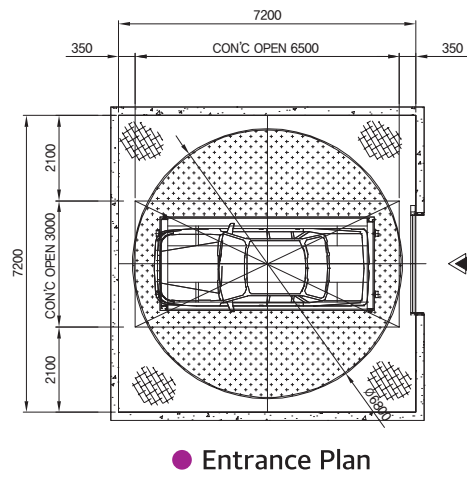


● Section of Lift(side)

Sample Drawing(Above)

- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

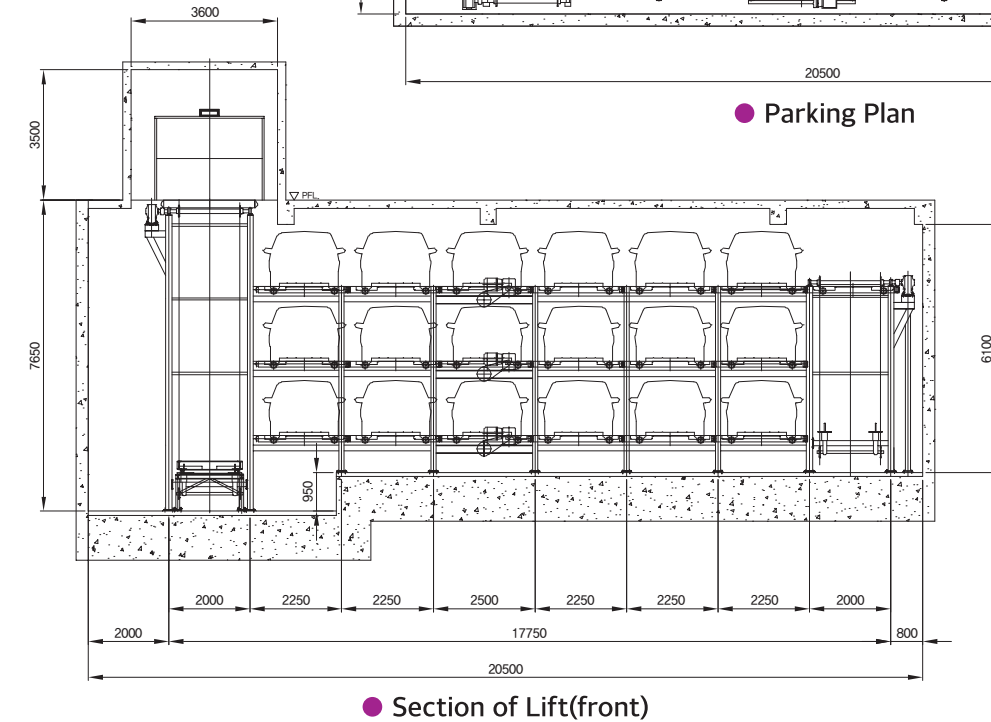
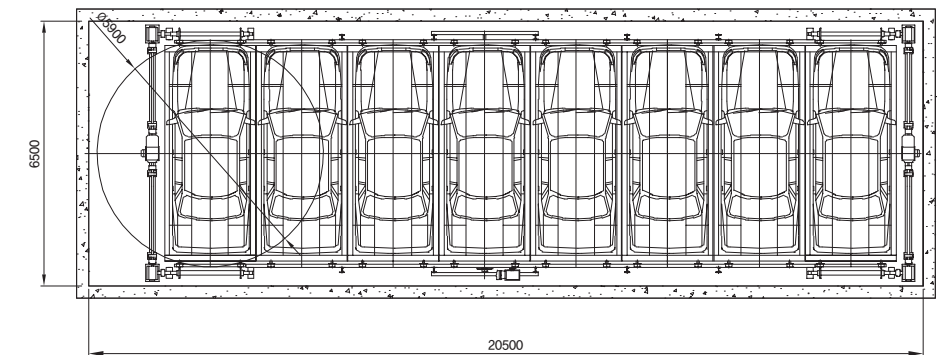
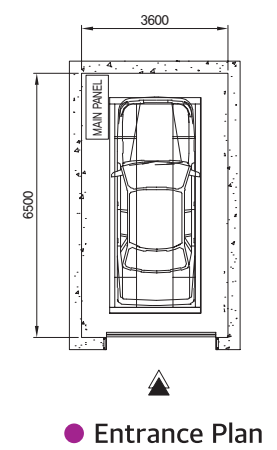
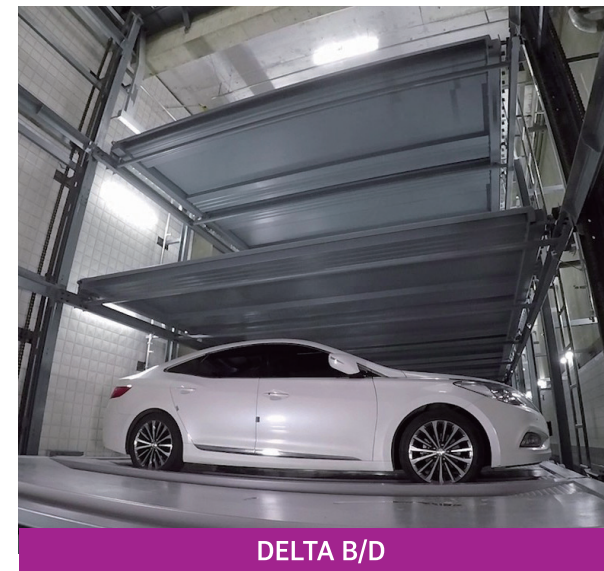
L2 type - Upper Turn type



Sample Drawing(Above)

- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

L2 type - Lower Turn type



Sample Drawing(Above)

- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

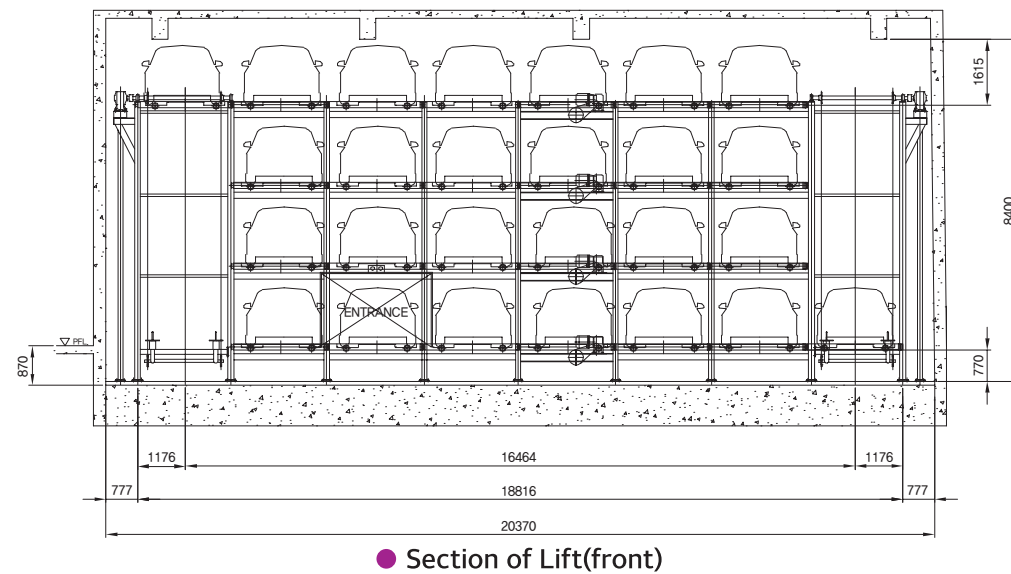
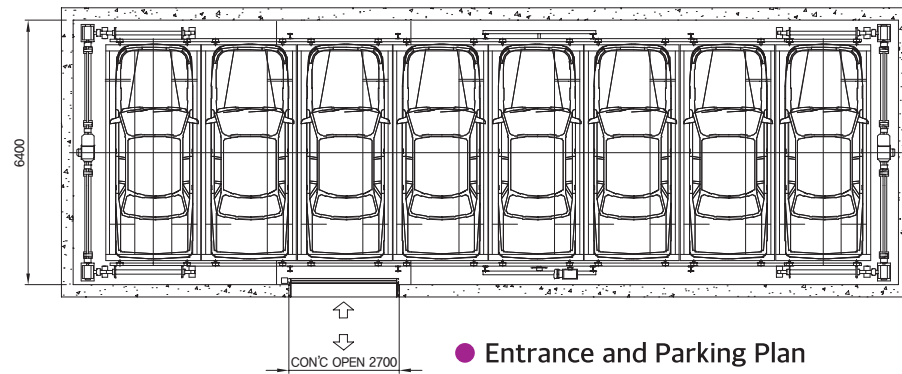
L2 type - Direct entrance type



GOOD HOUSE



DAEWON B/D



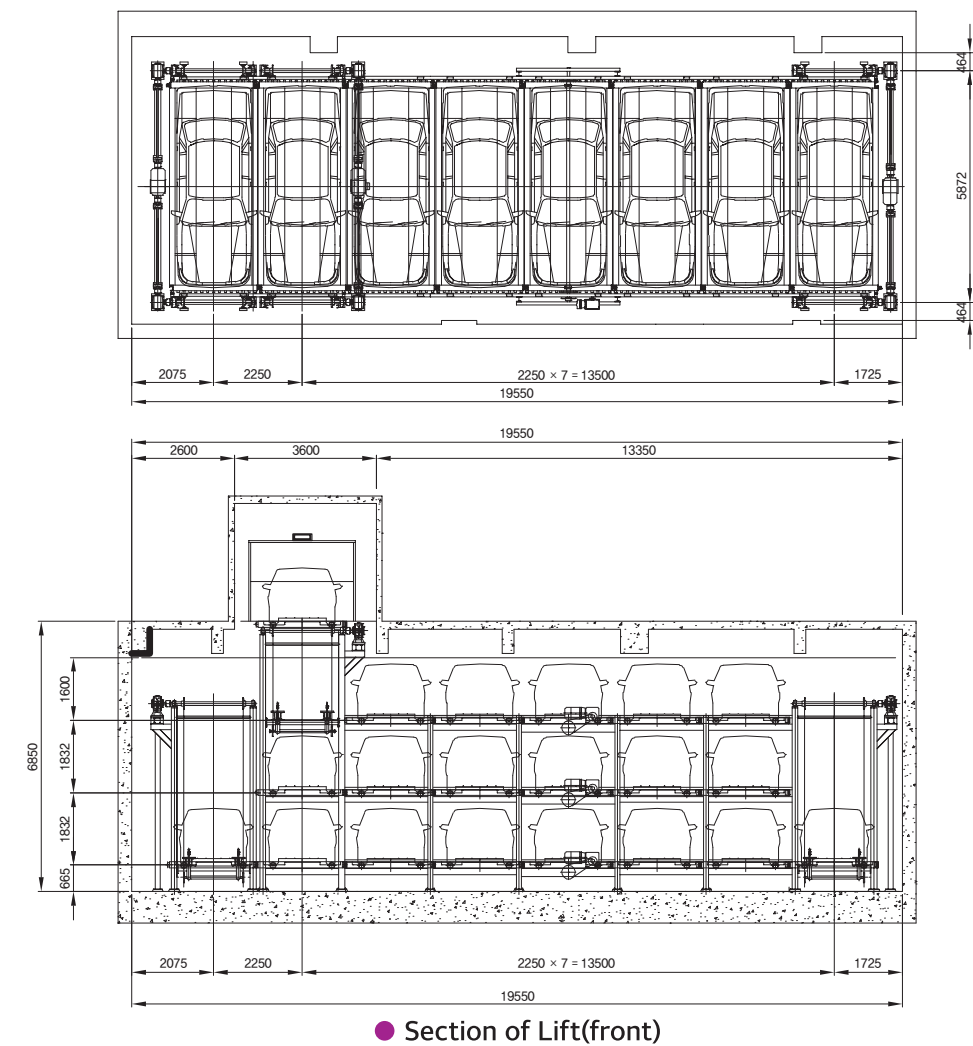
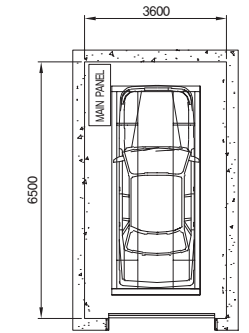
Sample Drawing(Above)

- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

L3 type - Standard type



GREEN CASTLE



Sample Drawing(Above)

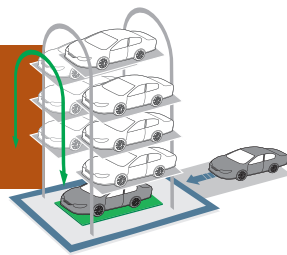
- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

DONGYANG ADVANCED PARKING SYSTEM

ROTARY SYSTEM(RS)

- Sedan Parking(8cars)
- SUV Parking(8cars)

ROTARY SYSTEM



ROTARY SYSTEM(RS)

It is a kind of Carousel type. The vehicle is loaded on the pallet. Parking storages are to go round in a circle.

FEATURES

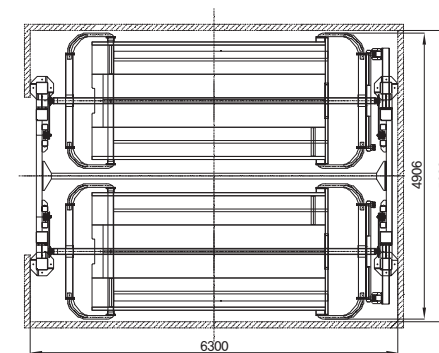
- Easy to install for short period.
- Users can operate system with Touch screen.
- Parking Capacity : Sedan 6~16cars / SUV 6~12cars

STANDARD SPECIFICATION

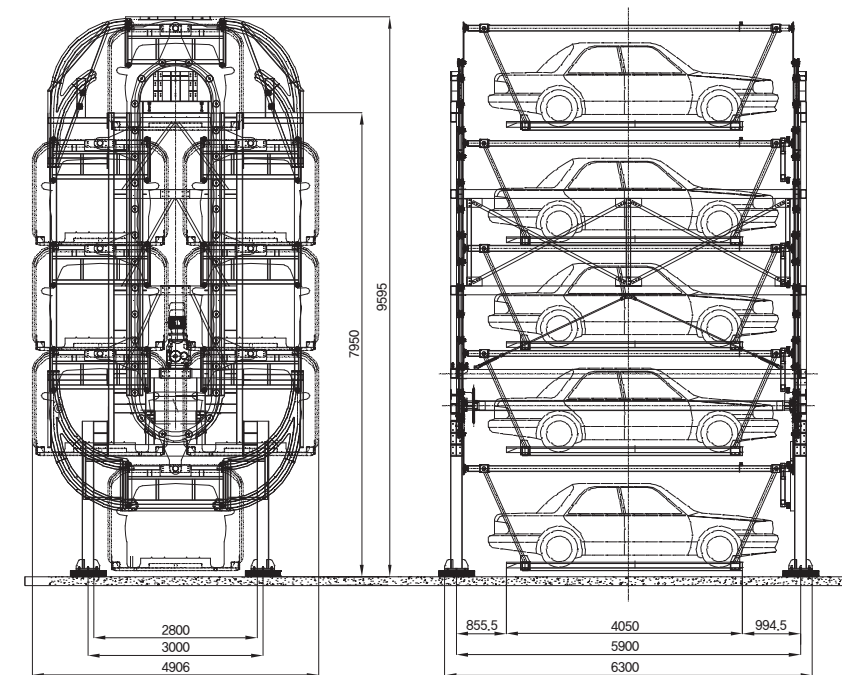
CAPACITY	ACCEPTABLE CAR SIZE			MOTOR
SEDAN (6~16 cars) / SUV (6~12cars)	Classify	Sedan	SUV	HOISTING
	Length(mm)	5200		5.5~15kw
	Width(mm)	2150		SPEED
	Height(mm)	1550	1950	Max 4 m/min
	Weight(kg)	1850~2200		-
	OPERATION & CONTROL			SAFETY DEVICES
	<div>· PLC Control</div> <div>· Key Pad panel or Touch Screen</div> <div>· RF CARD(Optional)</div>			<div>· Safety Fence</div> <div>· Detecting Sensor(Front/Rear)</div> <div>· Hanger Guide</div> <div>· Safety Mirror</div>

※ The Specification can be changeable by site condition.

Sedan Parking(8cars)



● Parking Plan

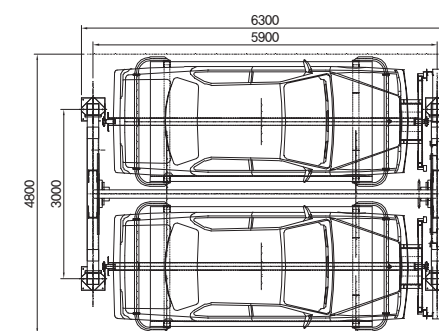


● Section of System

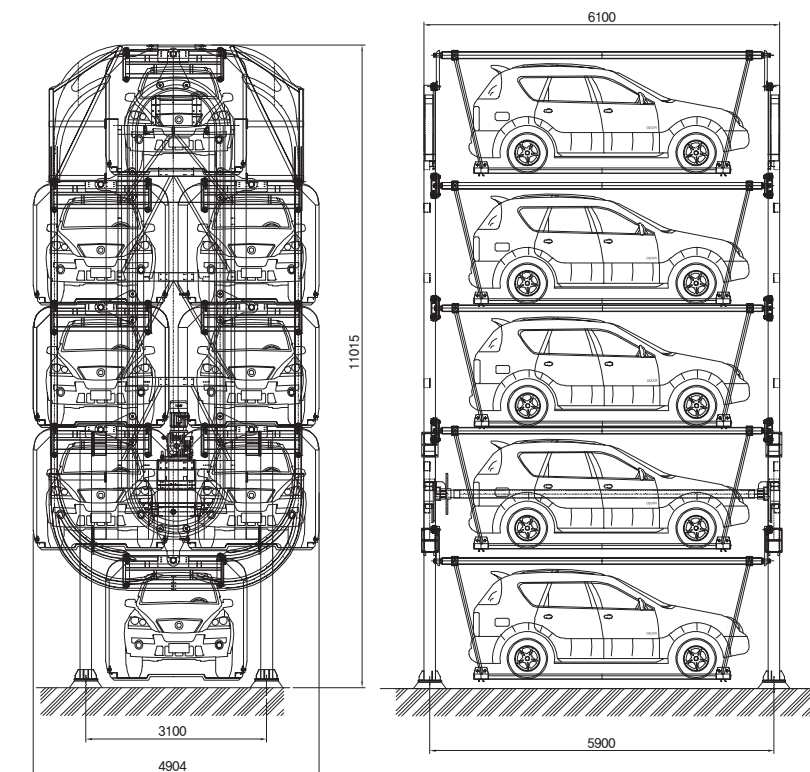
Sample Drawing(Above)

- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition

SUV Parking(8cars)



● Parking Plan

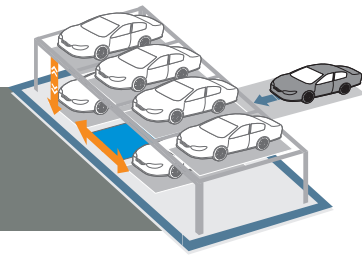


● Section of System

Sample Drawing(Above)

- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1950mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

PUZZLE SYSTEM



PUZZLE SYSTEM(PS)

It is well-known as puzzle system. All entrance can be parking lots. An empty slot is required to shift parking storage. It will be shifted by lifting and transferring. So, minimum 2 tiers are required in this system

FEATURES

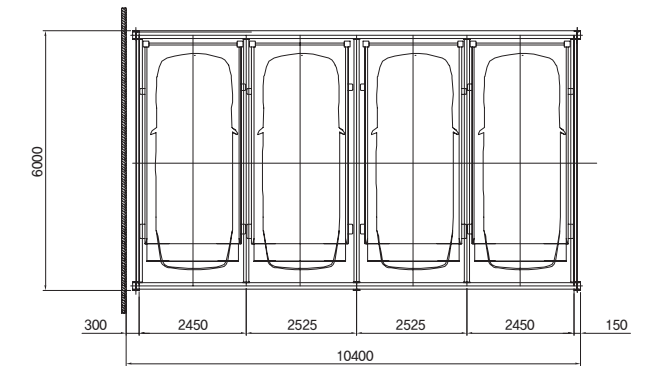
- Minimum 2 tiers are required.
- Low height system.
- SUV and Sedan are available.
- Easy to parking like conventional parking.

STANDARD SPECIFICATION

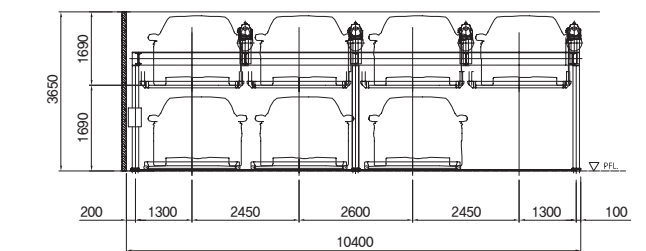
CAPACITY	ACCEPTABLE CAR SIZE			MOTOR	
6cars~ 36cars	Classify	Sedan	SUV	HOISTING	SLIDING
	Length(mm)	4800~5300		2.2 kw	0.2 kw
	Width(mm)	2100~2200		SPEED	
	Height(mm)	1550~2000		3.5 m/min	6.5 m/min
	Weight(kg)	1850~2200		-	-
	OPERATION & CONTROL			SAFETY DEVICES	
	· Ten Key Panel · Touch Screen(Optional) · PLC Control · RF-CARD(Optional)			· Various Sensor	

※ The Specification can be changeable by site condition.

Normal type-2levels 4rows(7cars)

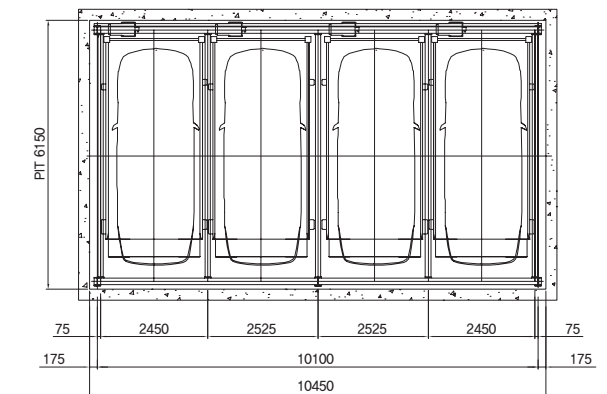


● Parking Plan

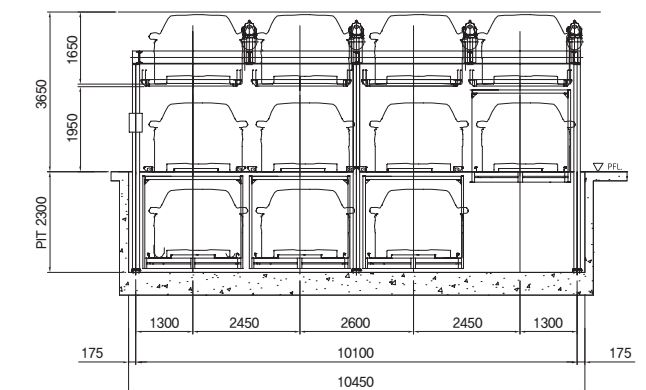


● Section of System

Pit type-3levels 4rows(11cars)



● Parking Plan

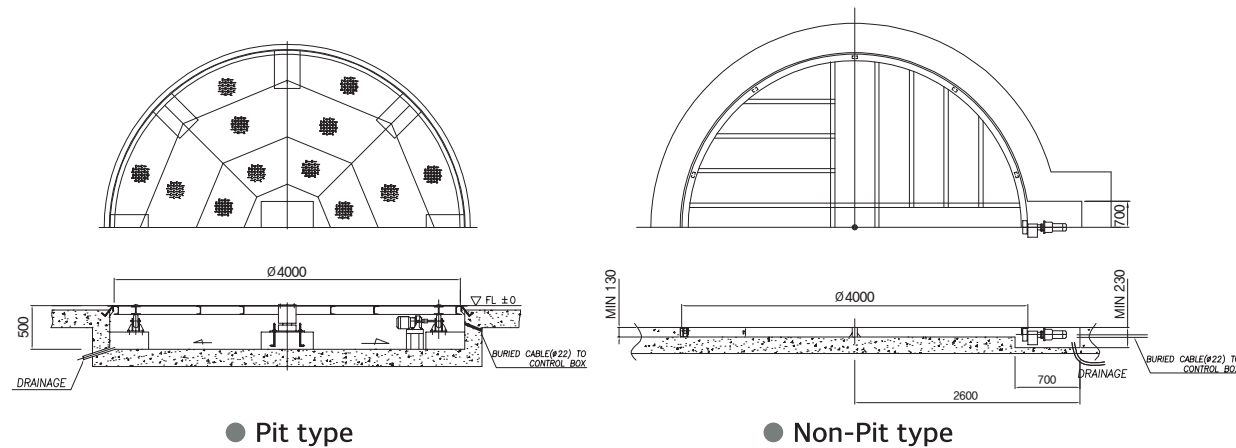
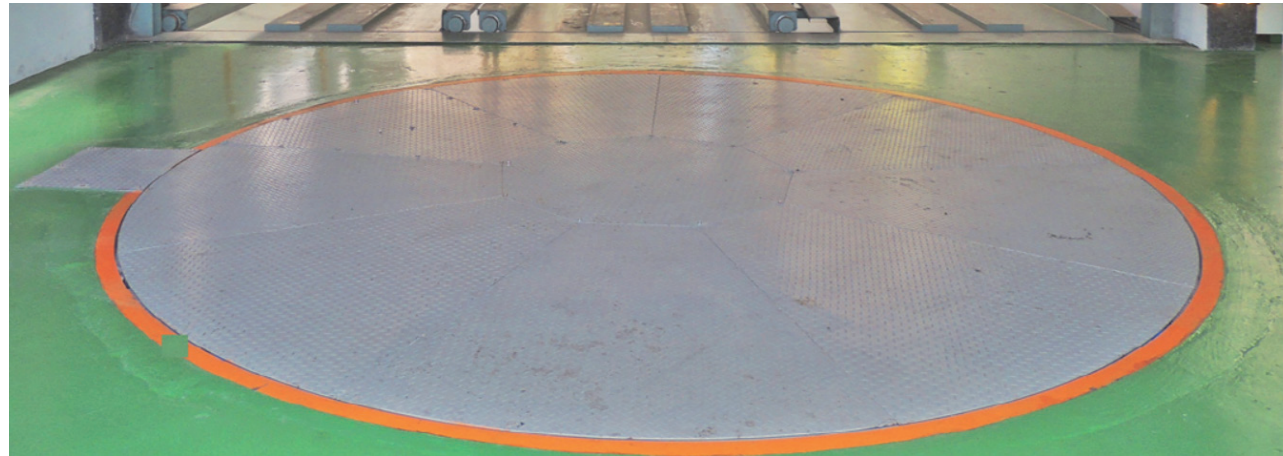
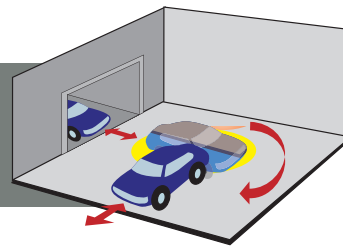


● Section of System

Sample Drawing(Above)

- Acceptable Vehicle(Size and Weight) : 5200mm(L)×2150mm(W)×1550mm(H)×2200kg
- Specification of Acceptable Vehicle can be changeable in accordance with site condition and customer's requirement.
- SUV is available for parking.

OUTER TURN-TABLE



TURN-TABLE

It is used for changing direction of head of a vehicle.
It will be helpful to entry and exit for parking.

FEATURES

- Turning the direction of a vehicle.
- Remote control available(Optional Item)
- Rotate to both direction in clock-wise and reverse

STANDARD SPECIFICATION

CLASSIFICATION	SPECIFICATION
LOADING CAPACITY	2000kg ~ 3000kg
DIAMETER OF PLATFORM	Ø 4000mm ~ Ø 4500mm
SEPPED OF ROTATION	1.6 rpm
CONTROL	PUSH BUTTON
POWER	AC 380 / 220V, 3PHASE, 60HZ
DRVIING TYPE	FRICTION ROLLER TYPE
DIRECTION OF ROATATION	ROTATING TO LEFT AND RIGHT

※ The Specification can be changeable by site condition.

Your Close Mate for Convenient and Safe Parking



 **DONGYANG AP Co.,Ltd**

DONGYANG ADVANCED PARKING SYSTEM



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HOME PAGE www.dyacps.co.kr

- The Specification and Dimension of Parking system can be changeable by new design and engineering development without pre-notice.