AUTOMATIC CAR PARKING SYSTEM

TAECHANG E&P



CEO GREETINGS

We are the leading engineering company in the field of mechanical parking facilites and have been at the forefront of developing required new model since the beginning of our establishment in November. 1996. We will keep developing new utmost technologies, which can satisfy the customer's needs and be leader in the field of automatic mechanical car parking system.

Thank you.

Sam-Jung Technic, OTIS)

C.E.O Lee Keum Chul

2005 2008 Dec. MOU agreement with Jan. Development of car parking system Sam-Jung for PSD (Elevator type-bottom entrance) (passenger sliding door) Sep. Development of automatic folding canopy 1996 2006 2009 Nov, Establishment of TaeChang engineering Mar. Headquarter relocation Feb. Patent Application (bicycle parking tube type) as a coopertion company for (Megaventure tower Feb. Patent Application (bicycle parking elevator type) (Hyun-dai elevator, Lotte engineering, Yeongdeung po-gu,

Seoul, Korea)

Feb. Patent Application (bicycle parking elevator type) Mar. Development of safety foot plate on platform Aug. To be selected by Ministry of Knowledge Economy Oct. Participation in exhibition of RFID/USN KOREA Oct. Register a venture company Nov. Register a enterprises for technological inovation

Dec. Patent Application (bicycle parking stacker type)

Elevator Type 4-11P



Stacker Type 12–15P



Muiti Cart Type 16-27P



Universal Type 30-35P Best Technology, Best Product, Customer Satisfaction TAECHANG E&P Foundation on November, 1996

Company history table

2017

Jan. Development of elevator

position type & Cart slim type

2010

May. Installation of bicycle parking system (stacker type)

2015

Jun. Establishment of subsidiary co. (Tae Chang engineering Co.,Ltd) Acquisition of a Licence for the construction industry

2011

Jan, Register corporate body Rename of company (TaeChang E&P Co.,Ltd)

d)

2016 May, Register mechanical parking

facility maintenance licence

2018

Jun, Development of Sliding gate for underground entrance, subway Line 9

Automatic Parking System



Cross Type 36-38P



Puzzle Cross Type 39–40P



Puzzle Type 28–29P

01.Elevator Type



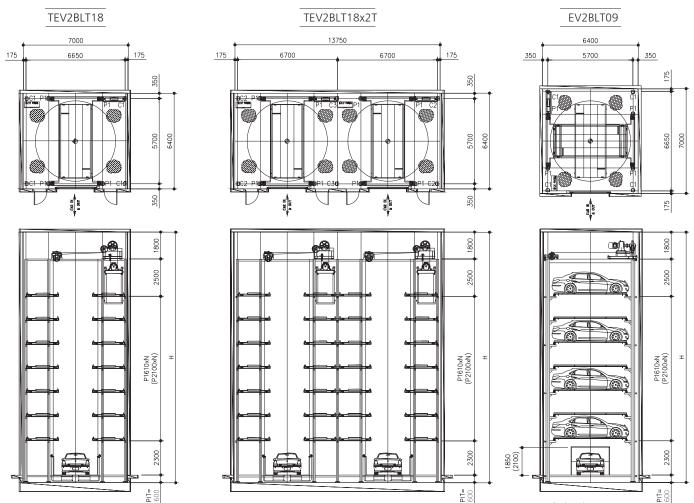




Standard Specification				
Parking capacity		Max. 70 cars		
		Medium	Medium Large	Large
	Length	5,050mm	5,205mm	5,205mm
Dimension of allowable vehicle	width	2,050mm	2,100mm	2,100mm
	Height	1,550mm	1,550mm	1,850mm
	Weight	1,850kg	2,100kg	2,200kg
	Lifting drive		22kW ~ 55kW 60m/min ~ 150m/min	
Matar	Shifting drive		0.75kW ~ 3.7kW 25m/min ~ 48m/min	
Motor power of driving device	Turn table drive		1.5kW ~ 2.2k 3.9rpm ~ 4.3	
	Up-down drive		2.2kW ~ 3.7k 1.8m/min ~ 4	
Control spec.	IGBT inverter / PLC co	ntroller / Touch so	creen	
Safety device	Induction board / Emergency switch / Buffer Various photo electric sensor / Motion sensor for safety			
Option				

Turn table - Easy driving to the forward direction.

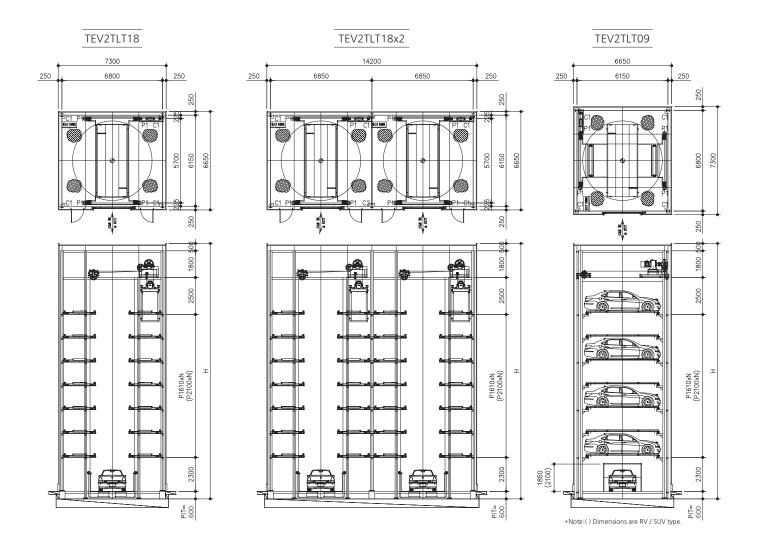
Administrative computer - Easy montioring the status of parkied vehicles.



			Ω.
*Note:()	Dimensions areR V/	SUVt ype	

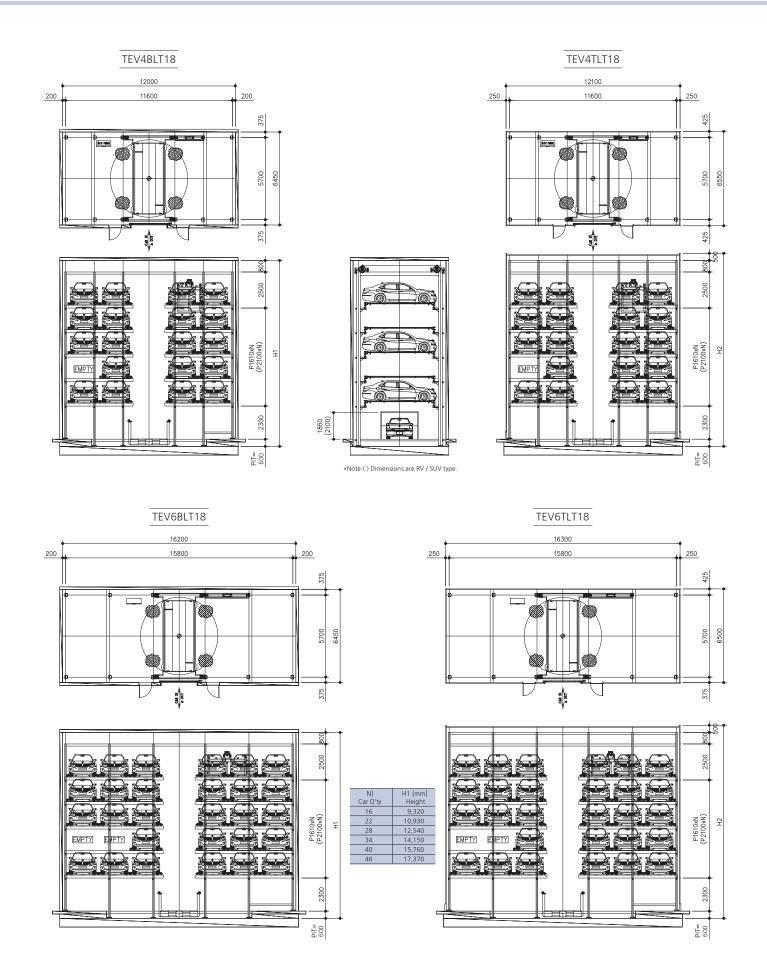
[N]	H [mm]	COLUN	COLUMN LOADING DATA [KN]		
Car Q'ty	Height	C1	C2	C3	[KW]
18 [x2]	20,080	131	133	198	
20 [x2]	21,690	145	147	219	
22 [x2]	23,300	158	161	239	
24 [x2]	24,910	172	175	260	
26 [x2]	26,520	186	189	281	
28 [x2]	28,130	199	203	302	22
30 [x2]	29,740	213	217	323	
32 [x2]	31,350	227	231	343	
34 [x2]	32,960	240	244	364	
36 [x2]	34,570	254	258	385	
38 [x2]	36,180	268	272	406	
40 [x2]	37,790	281	286	426	
42 [x2]	39,400	295	300	447	
44 [x2]	41,010	309	314	468	
46 [x2]	42,620	322	328	489	
48 [x2]	44,230	336	342	509	
50 [x2]	45,840	350	356	530	30
52 [x2]	47,450	363	369	551	1
54 [x2]	49,060	377	383	275	1
56 [x2]	50,670	391	397	593	
58 [x2]	52,280	404	411	613	
60 [x2]	53,890	418	425	634	
62 [x2]	55,500	431	439	655	37
64 [x2]	57,110	445	453	676	
66 [x2]	58,720	459	467	696	15
68 [x2]	60,330	472	481	717	45
70 [x2]	61,940	486	494	738	55

E-Independent tower type (lateral style)













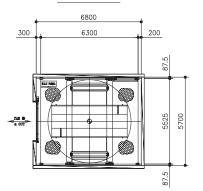
Standard Specification

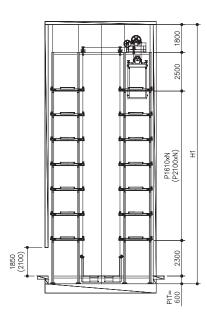
We are the **specialized** company remodeling the aged Rotary parking to the elevator type parking.

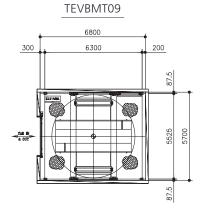
Especially we have many accumulated experience of installation. on "Low-pit t/t type" with patent technology.

Parking capacity			Max. 70 cars	
		Medium	Medium Large	Large
	Length	5,050mm	5,205mm	5,205mm
Dimension of allowable vehicle	width	2,050mm	2,100mm	2,100mm
	Height	1,550mm	1,550mm	1,850mm
	Weight	1,850kg	2,100kg	2,200kg
	Lifting di	rive	22kW ~ 55kV 60m/min ~ 1	
	Shifting drive		0.75kW ~ 3.7kW 25m/min ~ 48m/min	
Motor power of driving device	Turn table drive		1.5kW ~ 2.2kW 3.9rpm ~ 4.3rpm	
	Up-down drive		2.2kW ~ 3.7kW 1.8m/min ~ 4.3m/min	
Control spec.	IGBT inverter / PLC controller / Touch screen			
Safety device	Induction board / Emergency switch / Buffer Various photo electric sensor / Motion sensor for safety			
Option				
Administrative c	driving to the forward omputer - Easy montior w knowing operation co	ing the status of I		









1850 (2100) 1800

2500

P1610xN2 (P2100xN2)

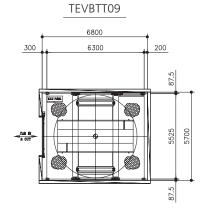
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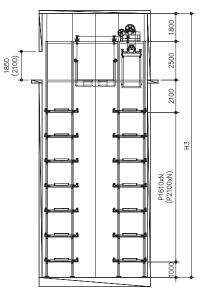
2100

P1610xN1 (P2100xN1)

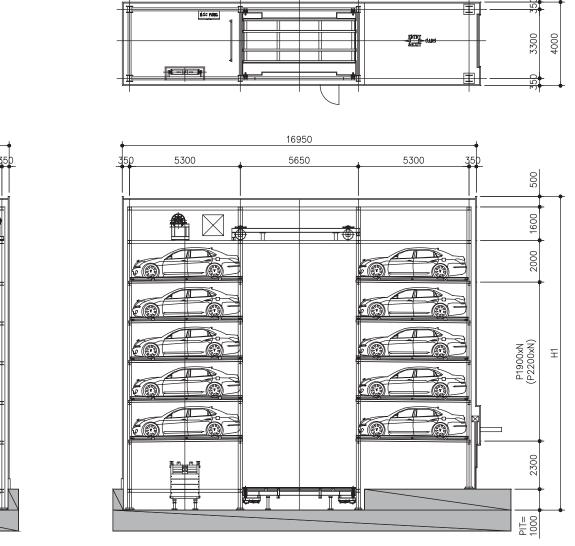
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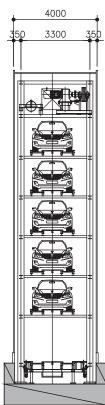
ΗZ











It is a parking lot developed with the purpose of exhibition so as to maximize the effect.



- 1. Exbition hall is intended to be free entry and exit.
- 2. Staniless steel embossing pallet made by British Remix.
- 3. Tempered glass door made by British Vitrocsa.
- 4. Various safety sensors and lighting.





02. Stacker Type





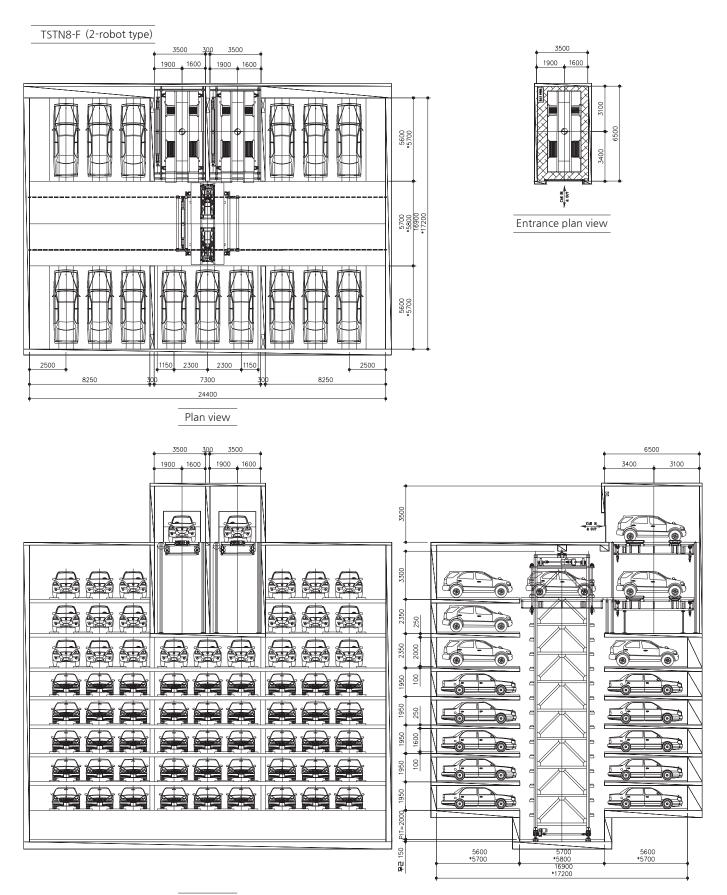
Standard Specification



Parkin	Parking capacity		Max. 70 cars	
		Medium	Medium Large	Large
	Length	5,050mm	5,205mm	5,205mm
Dimension of allowable vehicle	width	2,050mm	2,100mm	2,100mm
	Height	1,550mm	1,550mm	1,850mm
	Weight	1,850kg	2,100kg	2,200kg
	Lifting drive		22kW ~ 55kW 60m/min ~ 150m/min	
Mataz	Shifting drive		5.5kW 50m/min	
Motor power of driving device	Robot Travelling drive		0.75kW * 2EA 40m/min	
	Robot picking drive		0.75kW * 2EA 5sec	
Control spec.I	GBT inverter / PLC co	ntroller / Touch so	reen	
Safety device	Induction board / Emergency switch / Buffer Various photo electric sensor / Motion sensor for safety			
Option				

Turn table - Easy driving to the forward direction.

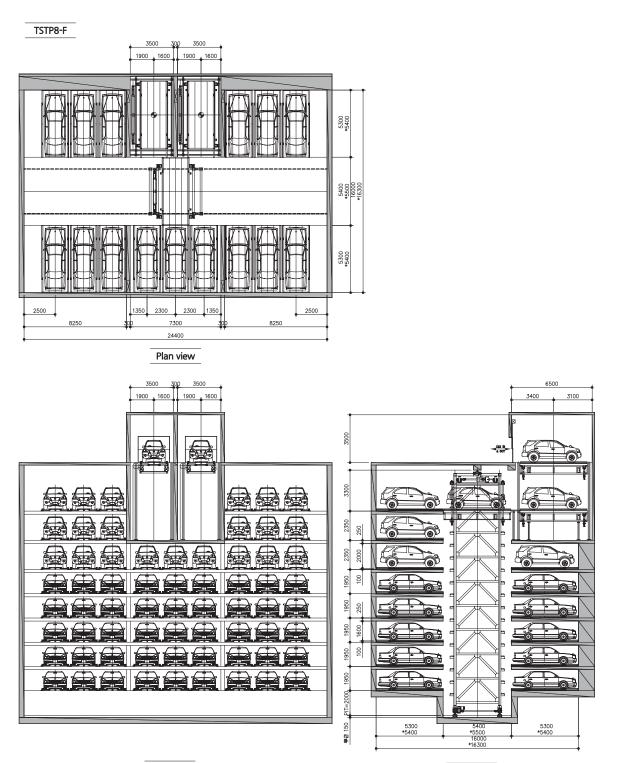
Administrative computer - Easy montioring the status of parkied vehicles.



Front view

Side view

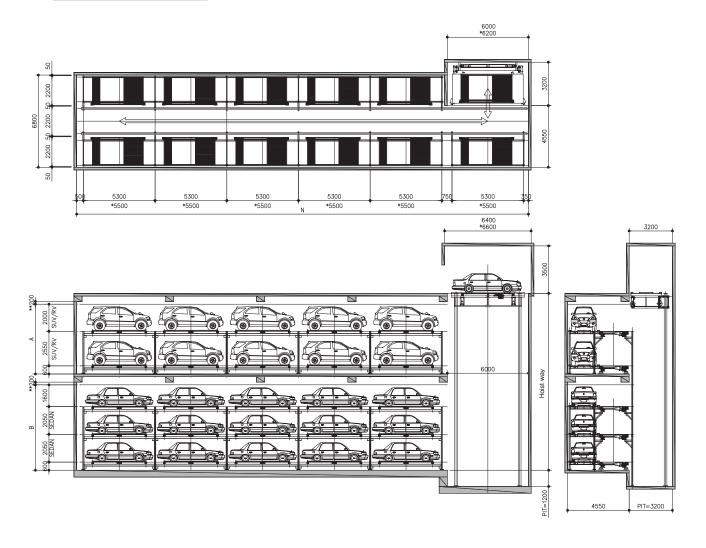
* Dimensions are Equus type



Front view

Side view

TSTNC5-S (Roller conveyor type)



03. Multi Cart Type







Parking capacity		Max. 80 cars			
		Medium	Medium Large	Large	
	Length	5,050mm	5,160mm	5,160mm	
Dimension of allowable vehicle	width	2,050mm	2,100mm	2,100mm	
	Height	1,550mm	1,550mm	1,850mm	
	Weight	1,850kg	2,100kg	2,200kg	
	Lifting drive		18.5kW ~ 30kW 65m/min ~ 90m/min		
	Running drive		90m/min ~ 10	90m/min ~ 100m/min	
Motor power of driving device	Shifting drive		38m/min ~ 45	im/min	
	Turn table drive		2.2kW 3.5rpm		
Control spec.	IGBT inverter / PLC cor	ntroller / Touch s	creen		
Safety device	Induction board / Emergency switch / Buffer Various photo electric sensor / Motion sensor for safety				

Turn table - Easy driving to the forward direction.

Administrative computer - Easy montioring the status of parkied vehicles.



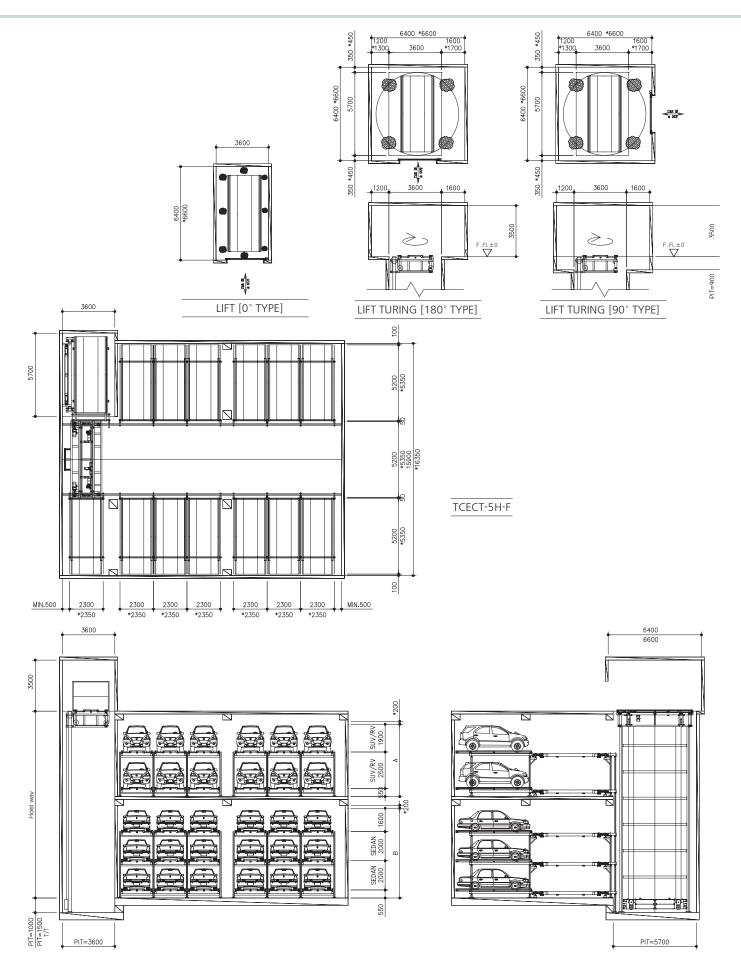


Chain Specification					
Parking	Parking capacity		Max. 60 cars		
		Medium	Medium Large	Large	
Dimension of	Length	5,050mm	5,160mm	5,160mm	
allowable vehicle	width	2,050mm	2,100mm	2,100mm	
	Height	1,550mm	1,550mm	1,850mm	
	Weight	1,850kg	2,100kg	2,200kg	
	Lifting drive		2.2kW ~ 30kW 35m/min ~ 60m/min		
Matarapura	Running drive		1.5kW x 2SET 90m/min ~ 100m/min		
Motor power of driving device	Shifting drive		1.5kW x 2SET 38m/min ~ 45		
	Turn table drive		2.2kW 3.5rpm		
Control spec.	IGBT inverter / PLC controller / Touch screen				
Safety device	Induction board / Emerge ncy switch / Buffer Various photo electric sensor / Motion sensor for safety				
Option					

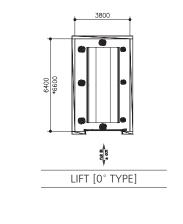
Turn table - Easy driving to the forward direction.

Administrative computer - Easy montioring the status of parkied vehicles.

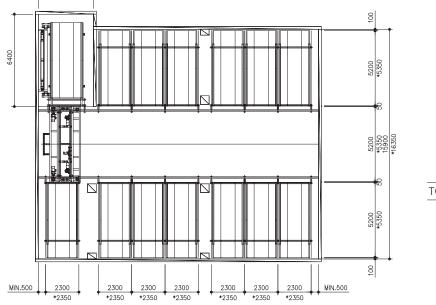
Multi cart type (top entrance)



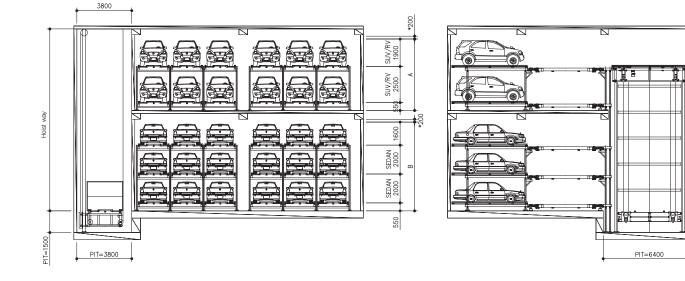
18 www.taechangeng.com

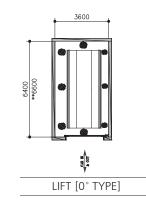


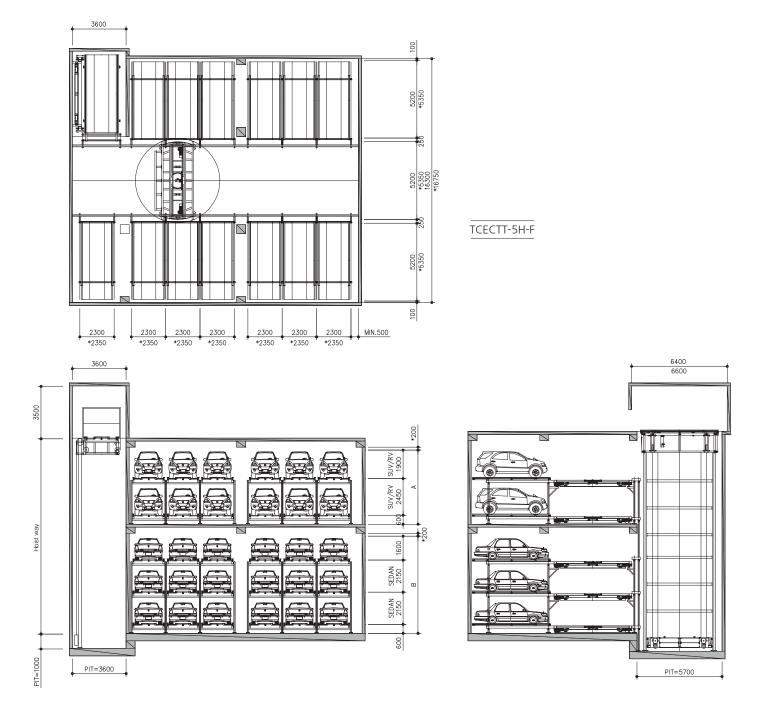
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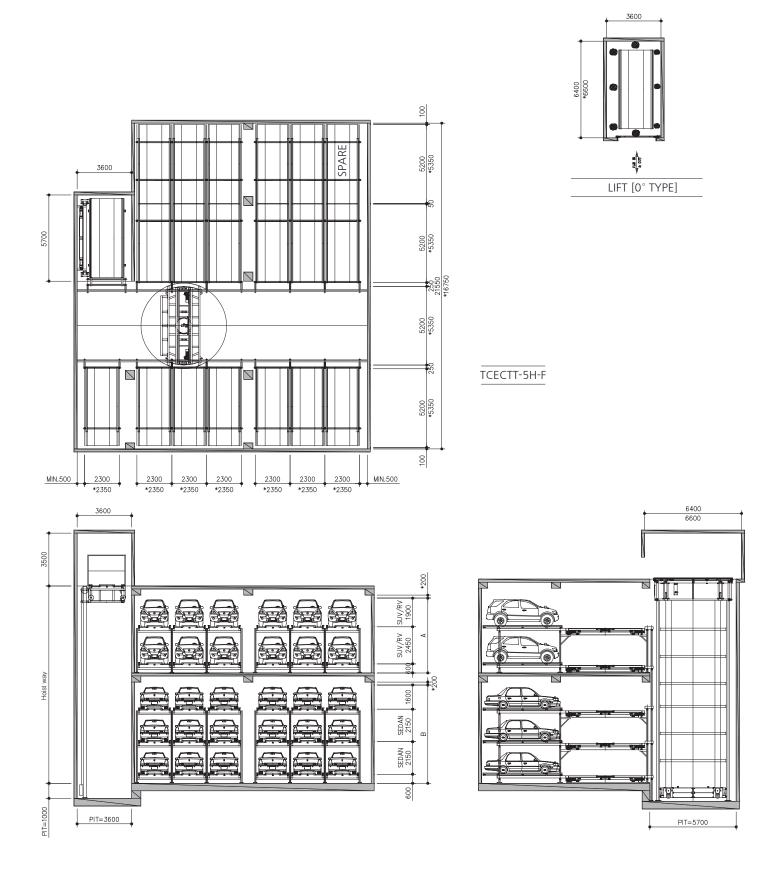


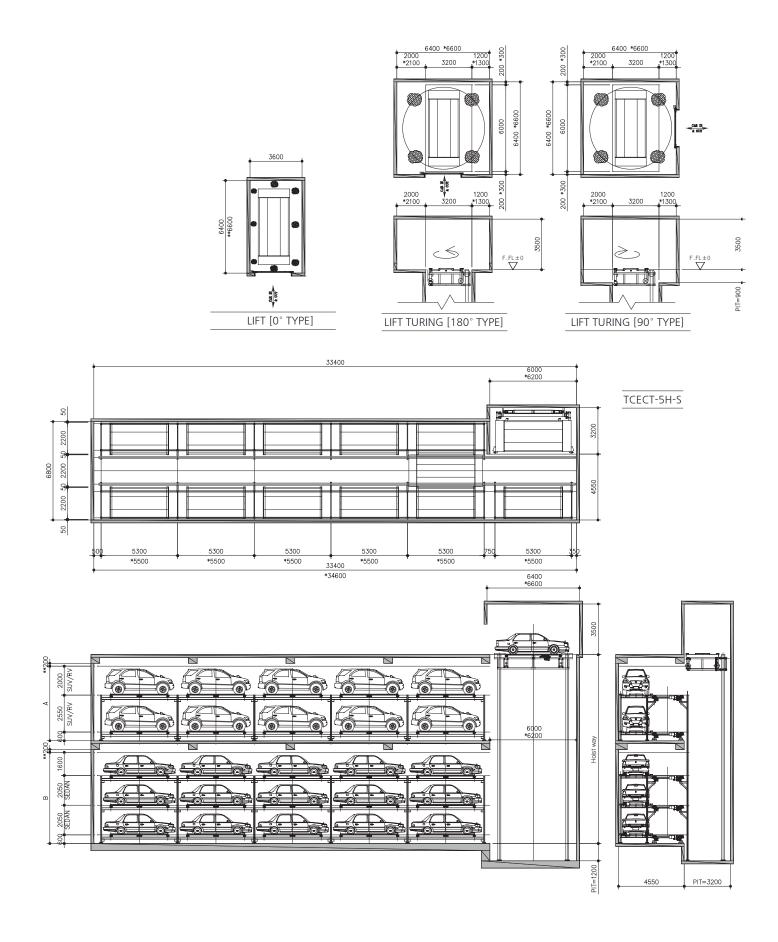


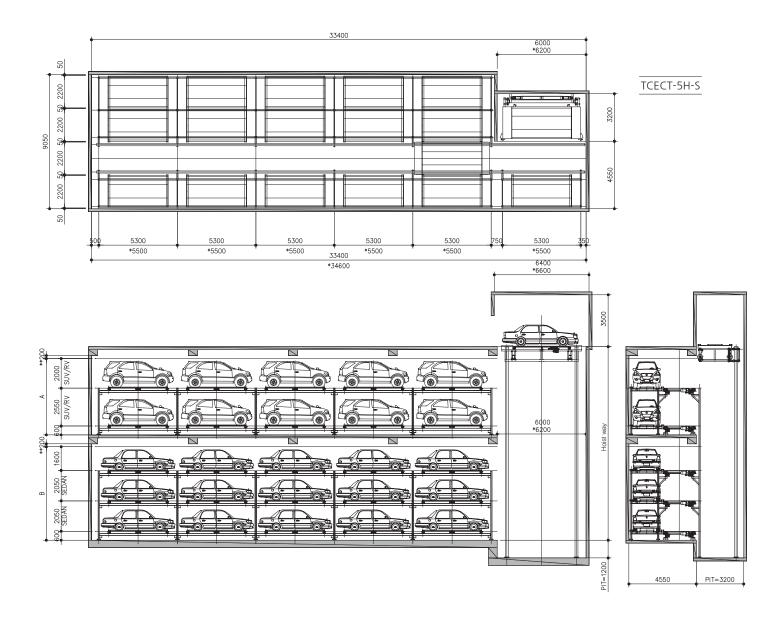




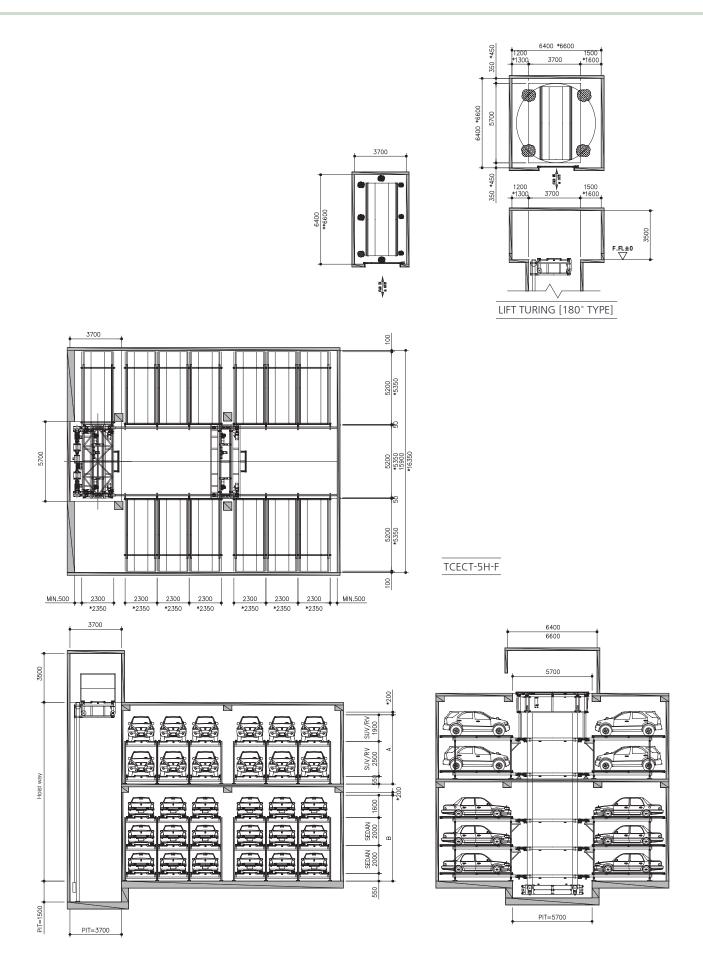
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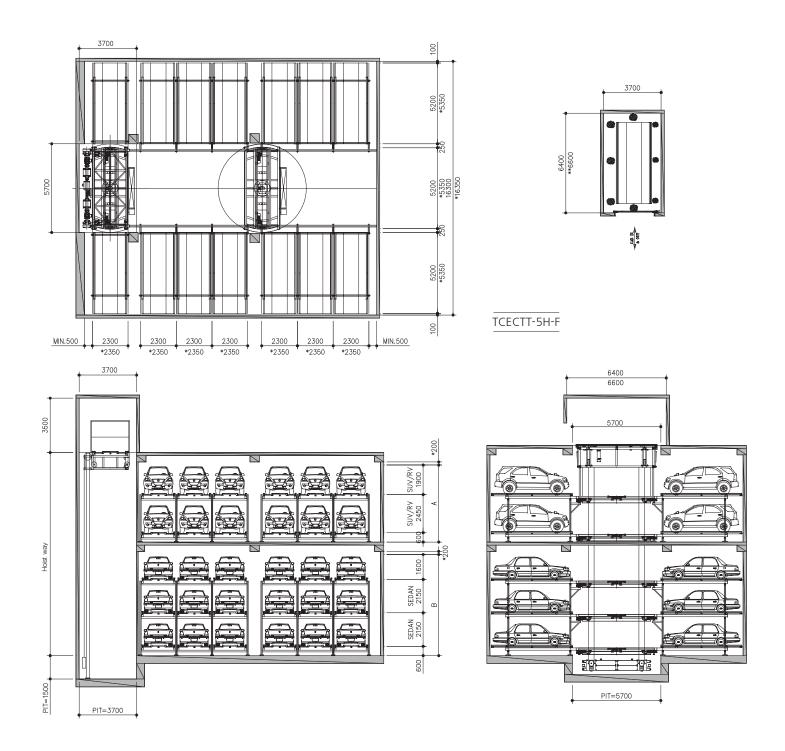


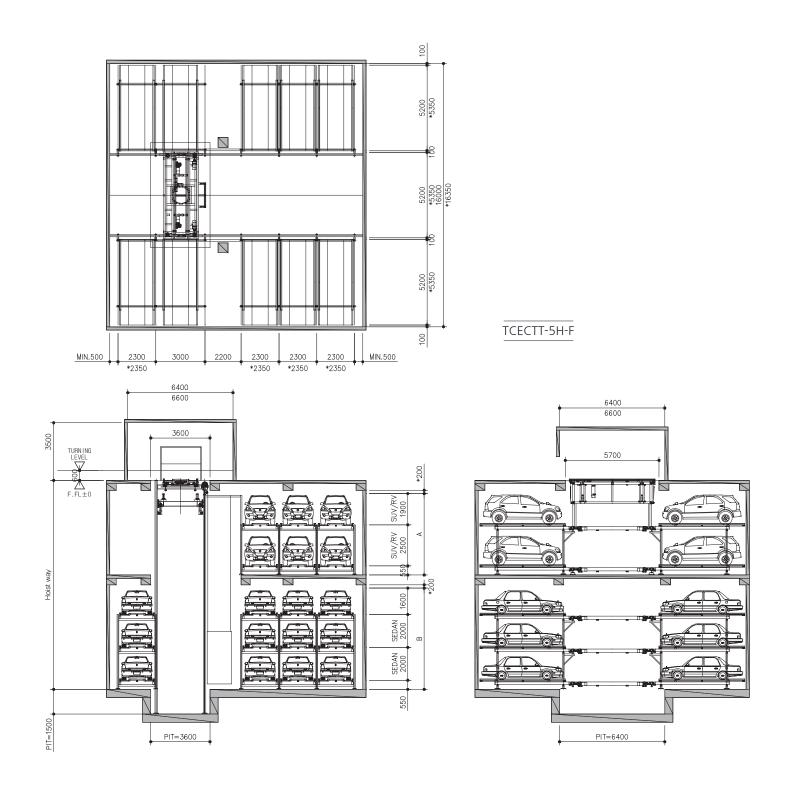


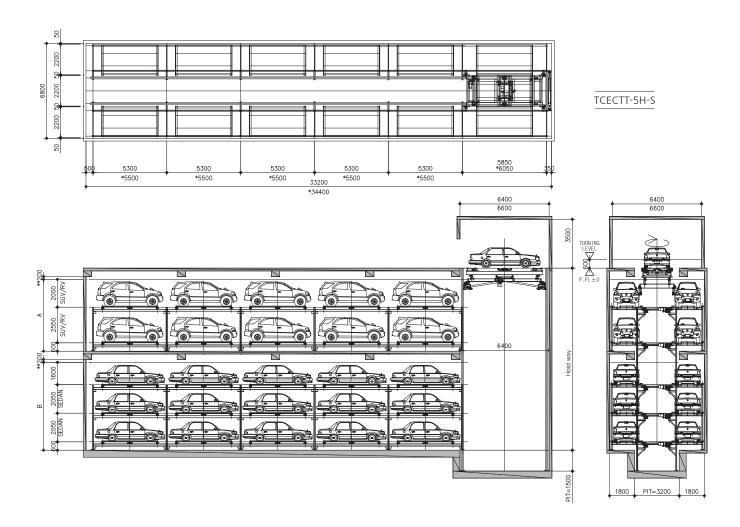












04. Puzzle Type





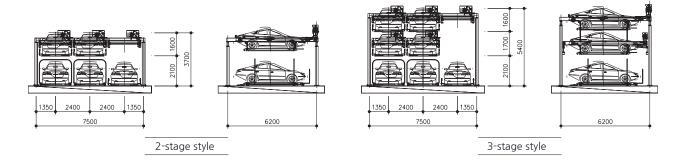


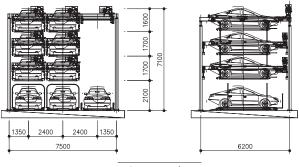
Standard Specification				
Parking capacity		Max. 9 cars		
		Medium		
<u>.</u>	Length	5,050mm		
Dimension of allowable vehicle	width	2,050mm		
	Height	1,550mm		
	Weight	1,850kg		
Motor power	Lifting drive		2.2kW ~ 3.7kW 10m/min	
of driving device	Shifting drive		0.2kW ~ 0.4kW 11m/min	
Control spec.	IGBT inverter / PLC controller / Touch screen			
Safety device	Induction board / Emergency switch / Buffer Various photo electric sensor / Motion sensor for safety			

Option

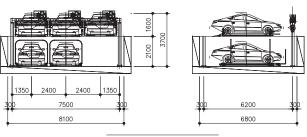
Turn table - Easy driving to the forward direction.

Administrative computer - Easy montioring the status of parkied vehicles.

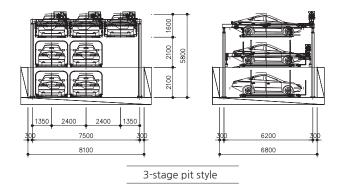


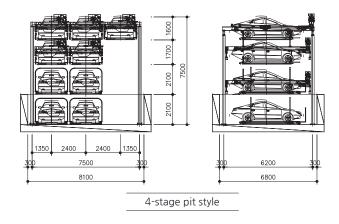


4-stage style



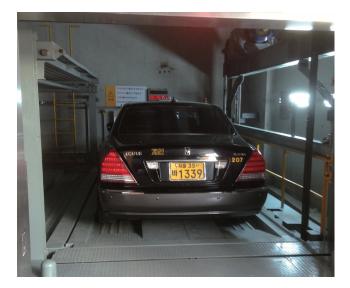
2-stage pit style





05. Universal Type





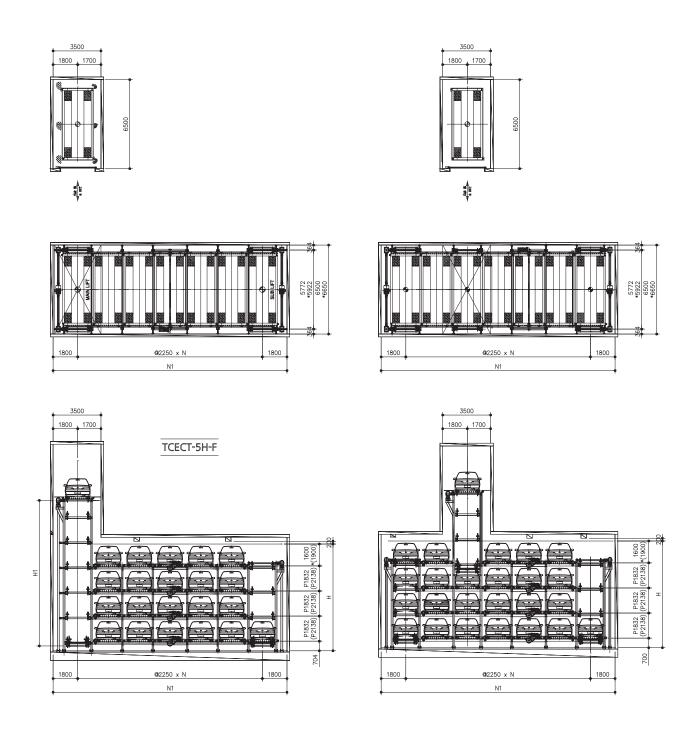


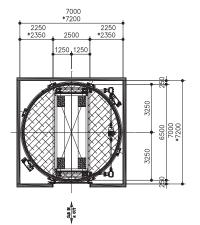
Standard Specification					
Parkin	g capacity	Max. 30 cars			
		Medium	Medium Large	Large	
	Length	5,050mm	5,160mm	5,160mm	
Dimension of allowable vehicle	Width	2,050mm	2,100mm	2,100mm	
	Height	1,550mm	1,550mm	1,850mm	
	Weight	1,850kg	2,100kg	2,200kg	
	Lifting drive		11kW ~ 15kW 60m/min ~ 150m/min		
Motor power	Shifting drive		3.7kW ~ 5.5kW 25m/min ~ 48m/min		
of driving device	Turn Table drive		1.5kW ~ 2.2kW 3.9rpm ~ 4.3rpm		
	Up-down drive		2.2kW ~ 3.7k 1.8m/min ~ 4		
Control spec.	IGBT inverter / PLC co	ntroller / Touch scr	een		
Safety device	Induction board / Emergency switch / Buffer Various photo electric sensor / Motion sensor for safety				
Option					
Turn table - Easy driving to the forward direction.					

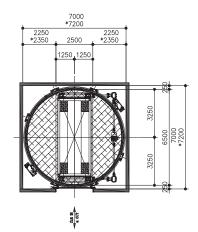
Turn table - Easy driving to the forward direction.

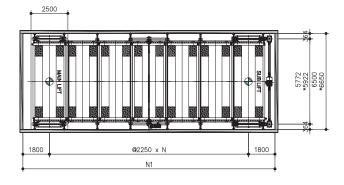
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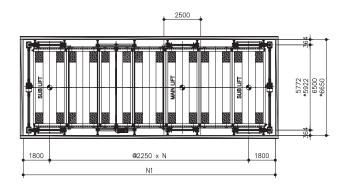
Administrative computer - Easy montioring the status of parkied vehicles.

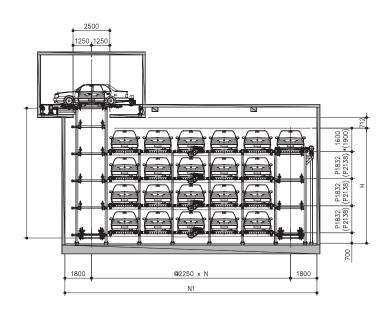


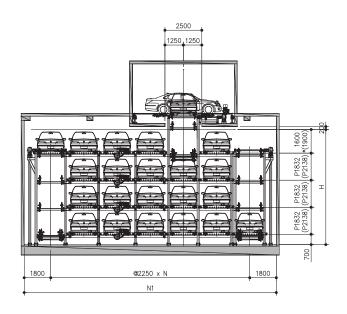


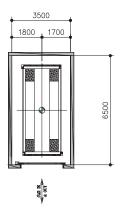


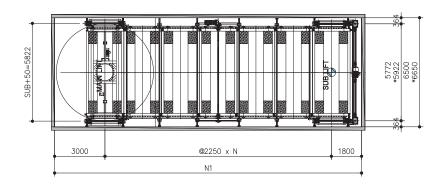


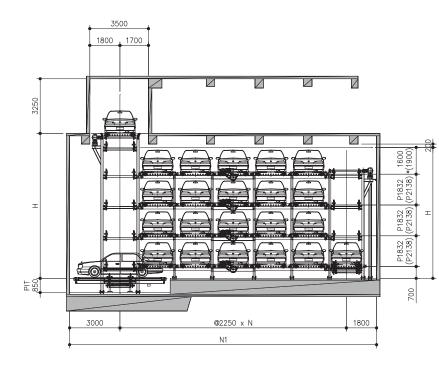


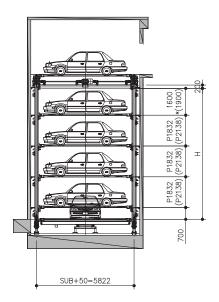


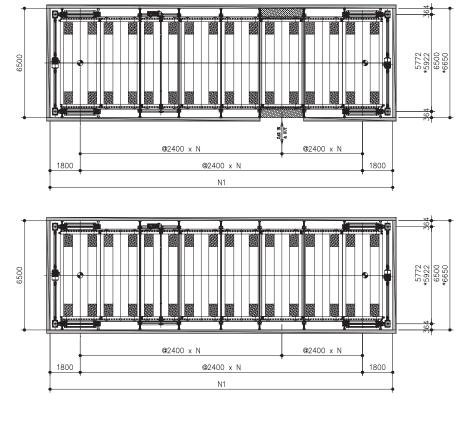


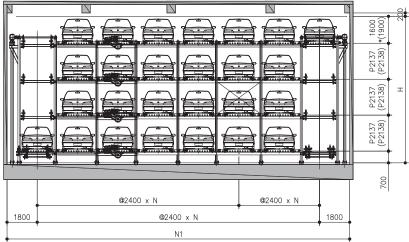


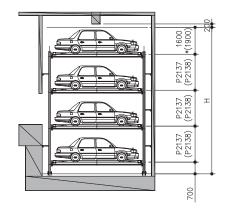


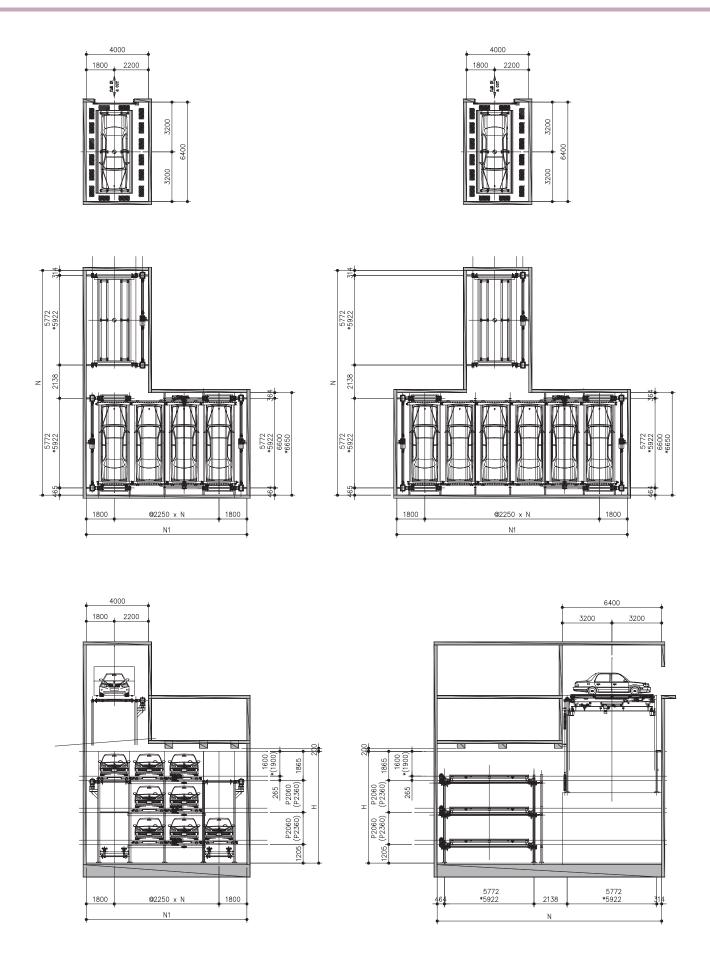












06. Cross Type





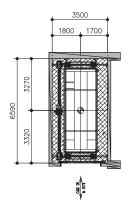


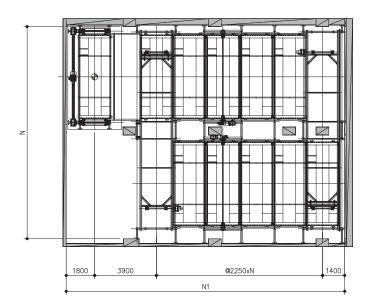
Standard Specification					
Parkin	Parking capacity		Max. 30 cars		
		Medium	Medium Large	Large	
Dimension of	Length	5,050mm	5,160mm	5,160mm	
allowable vehicle	width	2,050mm	2,100mm	2,100mm	
	Height	1,550mm	1,550mm	1,850mm	
	Weight	1,850kg	2,100kg	2,200kg	
	Lifting drive		11kW ~ 18.5kW 17m/min ~ 25m/min		
Motor power	Shifting drive		1.5kW ~ 3.7kW 25m/min ~ 48m/min		
of driving device	Turn table drive		1.5kW ~ 2.2k 3.9rpm ~ 4.3		
	Up-down drive		2.2kW ~ 3.7k 1.8m/min ~ 4		
Control spec.	IGBT inverter / PLC co	ntroller / Touch so	creen		
Safety device	Induction board / Emergency switch / Buffer Various photo electric sensor / Motion sensor for safety				
Option					

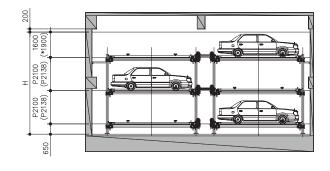
Turn table - Easy driving to the forward direction.

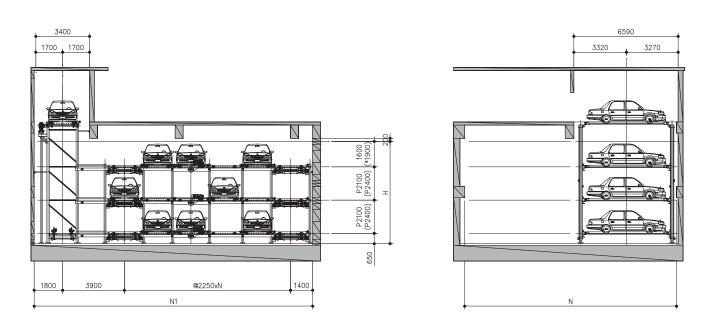
Administrative computer - Easy montioring the status of parkied vehicles.

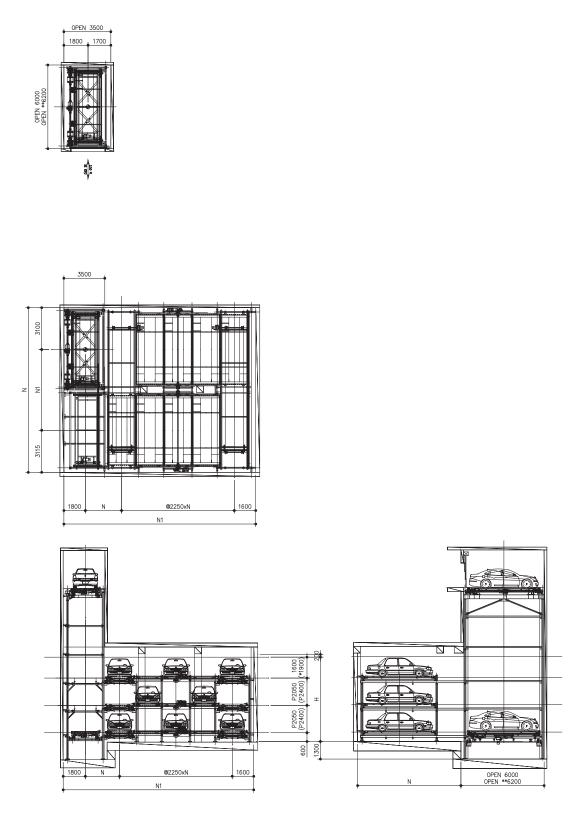
Cross type (standard style)











07. Cross Puzzle Type

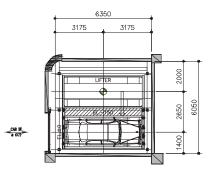


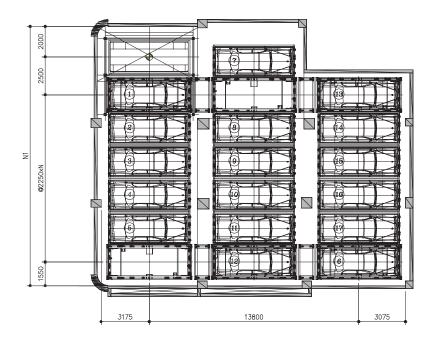


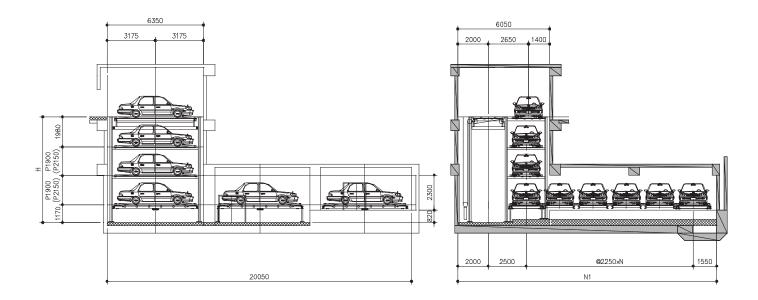
Standard S	pecification			
Parking capacity		Max. 30 cars		
		Medium	Medium Large	Large
	Length	5,050mm	5,160mm	5,160mm
Dimension of allowable vehicle	width2	2,050mm	2,100mm	,100mm
	Height	1,550mm	1,550mm	1,850mm
	Weight	1,850kg	2,100kg	2,200kg
	Lifting drive		18.5kW ~ 30kW 25m/min ~ 40m/min	
Motor power	Shifting drive		0.4kW 20m/min	
of driving device	Turn table drive		1.5kW ~ 2.2k 3.9rpm ~ 4.3	
	Up-down drive		2.2kW ~ 3.7k 1.8m/min ~ 4	
Control spec.I	GBT inverter / PLC controller / Touchscreen			
Safety device	Induction board / Emergency switch / Bdfer Various photo electric sensor / Motion œnsœ for safety			
Option				

Turn table - Easy driving to the forward direction. Administrative computer - Easy montioring the status of parkied vehicles. LED signals - Easy knowing operation condition, various indicating letter is possible.

Cross puzzle type









SATAECHANG E&P

CUSTOMER CENTER 0 2 . 3 6 6 7 . 6 5 8 0



Location

Megaventure tower Right side, 200M far from the Mullae Park. Mullae Stataion 1st exit, Subway No.2

Head office

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