

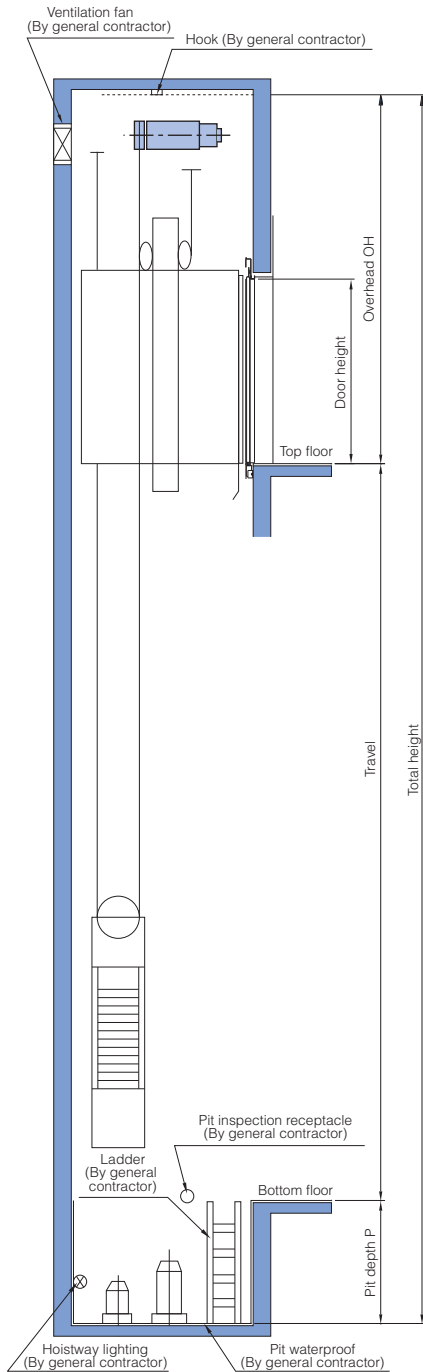
# TOSHIBA

Leading Innovation >>>

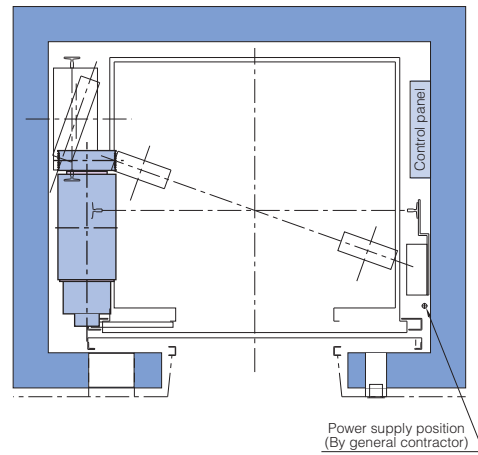


## SPACE-UNI

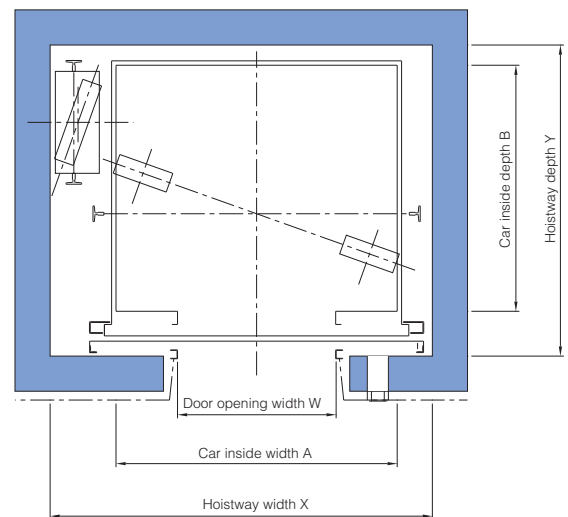
TOSHIBA MACHINE-ROOM-LESS ELEVATORS  
Installation plan and power facility plan for *Singapore*



Hoistway section



Topmost floor hoistway plan



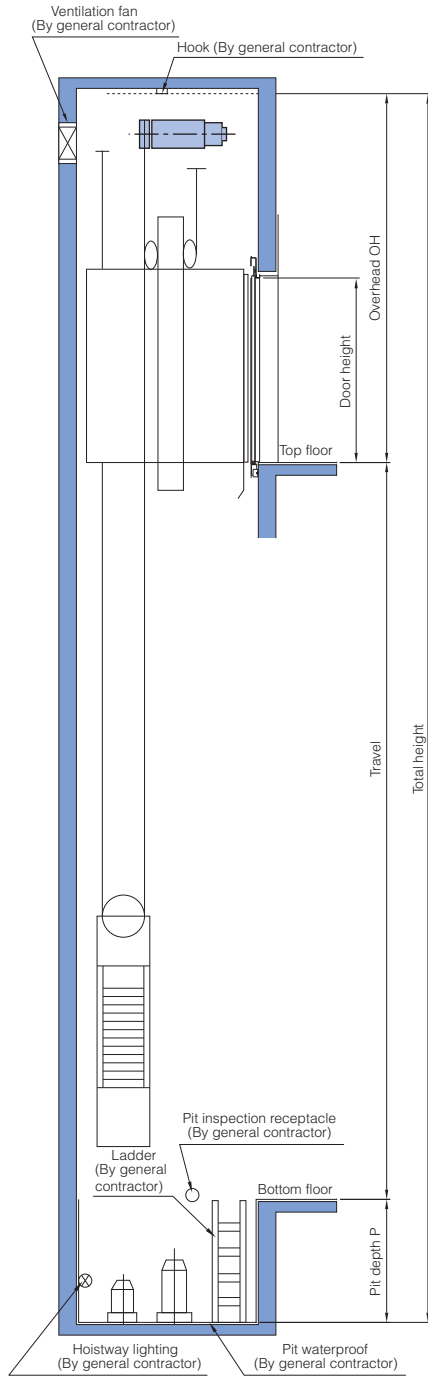
Typical floor hoistway plan

## Specifications

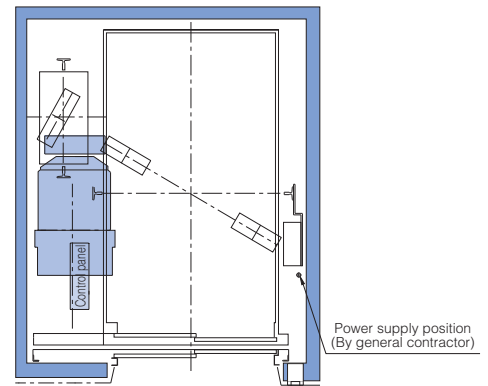
Type	Nos. of Person	Capacity (kg)	Speed (m/s)	Cage size (mm)	Door width W (mm)	Hoistway size (mm)			Motor capacity (kw)	Max. service stops (s)	Max. travel (m)								
				Internal (A x B)		X x Y	OH	P											
P9-CO60	D	9	610	1	1100×1400	800	1850×1900	3900	1300	3.6	24	60							
	D					900	2050×1900												
P9-CO96	D					1.6	800	1850×1900	4050				1400	5.8	32	80			
	D						900	2050×1900											
P9-CO105	D					1.75	800	1850×1900	4150				1450				6.3	32	80
	D						900	2050×1900											
P11-CO60	W	11	750	1	1350×1400	800	1975×1900	3900	1300	4.6	24	60							
	W					900	2075×1900												
P11-CO96	W					1.6	800	1975×1900	4050				1400	7.3	32	80			
	W						900	2075×1900											
P11-CO105	W					1.75	800	1975×1900	4150				1450				8.0	32	80
	W						900	2075×1900											
P11-CO60	D	11	750	1	1100×1700	800	1855×2200	3900	1300	4.6	24	60							
	D					900	2050×2200												
P11-CO96	D					1.6	800	1855×2200	4050				1400	7.3	32	80			
	D						900	2050×2200											
P11-CO105	D					1.75	800	1855×2200	4150				1450				8.0	32	80
	D						900	2050×2200											
P13-CO60	W	13	900	1	1600×1400	900	2200×1900	3900	1300	5.7	24	60							
	W					1000	2300×1900												
	W					1100	2450×1900												
P13-CO96	W					1.6	900	2200×1900	4050				1400	9.2	32	80			
	W						1000	2300×1900											
	W						1100	2450×1900											
P13-CO105	W	1.75	900	2200×1900	4150	1450	10.0	32	80										
	W		1000	2300×1900															
	W		1100	2450×1900															
P14-CO60	D	14	950	1	1100×2100	800				1855×2600	3900	1300	5.7	24	60				
	D					900				2050×2600									
P14-CO96	D					1.6				800	1855×2600	4050				1400	9.2	32	80
	D						900	2050×2600											
P14-CO105	D					1.75	800	1855×2600	4150	1450	10.0	32				80			
	D						900	2050×2600											
P15-CO60	W	15	1000	1	1600×1550	900	2200×2050	3900	1300	5.7			24	60					
	W					1000	2300×2050												
	W					1100	2450×2050												
P15-CO96	W					1.6	900	2200×2050	4050						1400		9.2	32	80
	W						1000	2300×2050											
	W						1100	2450×2050											
P15-CO105	W	1.75	900	2200×2050	4150	1450	10.0	32	80										
	W		1000	2300×2050															
	W		1100	2450×2050															

### Note:

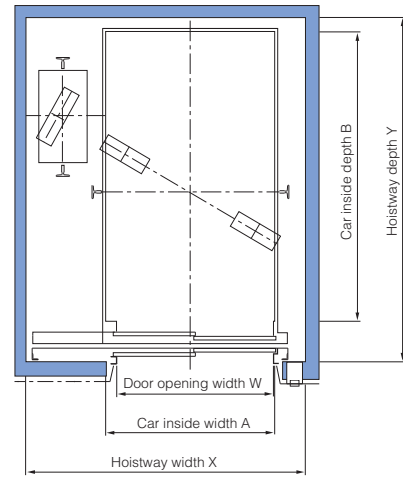
- Hoistway dimensions are the minimum dimension after the building work.
- Hoistway dimensions are the minimum requirement.
- The hoistway structure wall must be 150mm thick or more.
- Piping, wiring and cables not related to elevator are prohibited inside the hoistway.
- OH value in the chart is not related the elevator for standard cars, As for the non-standard cars, additional consultation should be carried out.
- If the size of the hoistway is greater than above sizes, OH will be larger, please contact us.
- If the location of Power source panel, Control panel and Electric power supply are changed, please contact us.
- When travel is 40m or more, and 150mm to above mentioned dimension at the OH dimension and TC dimension.
- Example: P13W W: Wide car D: Deep car
- EBOPS should be installed to the back-side wall of the hoistway. In case of EBOPS is installed to the side wall or top back side of the hoistway, please contact us.
- In the case of the EBOPS hoistway back installation.



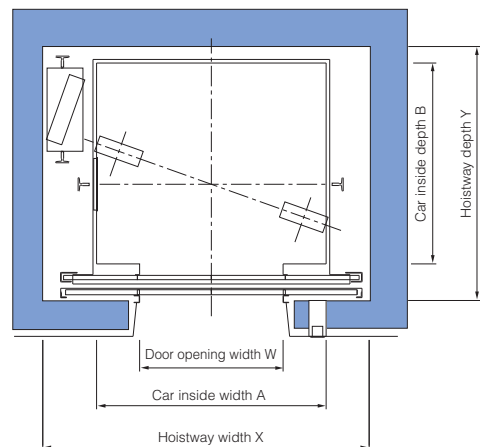
Hoistway section



Top floor hoistway plan



Two panel slide opening door hoistway plan (Type P17D, P21D)



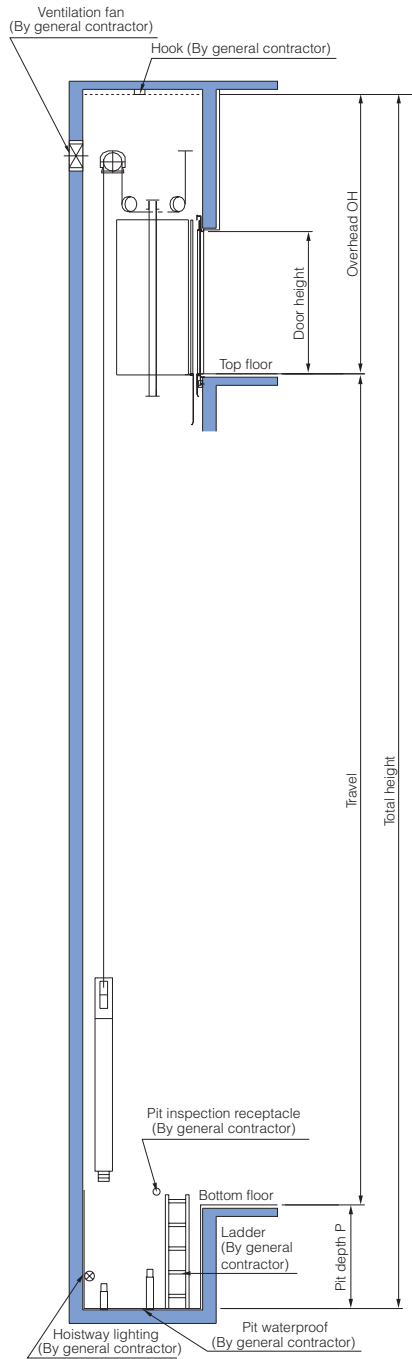
Center opening door hoistway plan (Type P15W)

## ■ Specifications

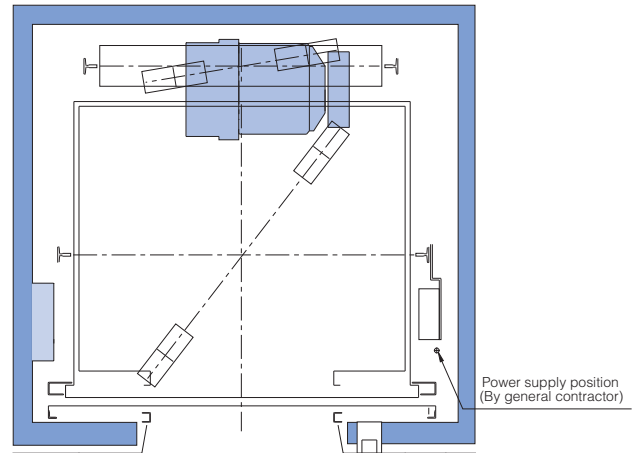
Type		Nos. of Person	Capacity (kg)	Speed (m/s)	Cage size (mm)	Door width W (mm)	Hoistway size (mm)			Motor capacity (kw)	Max. service stops (s)	Max. travel (m)				
					Internal (A x B)		X x Y	OH	P							
P17-CO60	W	17	1150	1	1800×1500	1000	2450×2080	4000	1400	7.3	32	80				
	W					1100	2550×2080									
P17-CO96	W			1.6		1000	2450×2080	4150	1550				11.6	32		
	W					1100	2550×2080									
P17-CO105	W			1.75		1000	2450×2080	4250	1650						12.6	32
	W					1100	2550×2080									
P19-2S60	D	19	1275	1	1200×2500	1100	2100×3050	4300	1400	8.7	32	80				
P19-2S96	D							4500	1550	14.0						
P19-2S105	D							4500	1650	16.0						
P24-2S60	D	24	1600	1	1400×2600	1200	2400×3150	4300	1400	10.0	32	80				
P24-2S96	D							4500	1550	16.0						
P24-2S105	D							4500	1650	18.0						

### Note:

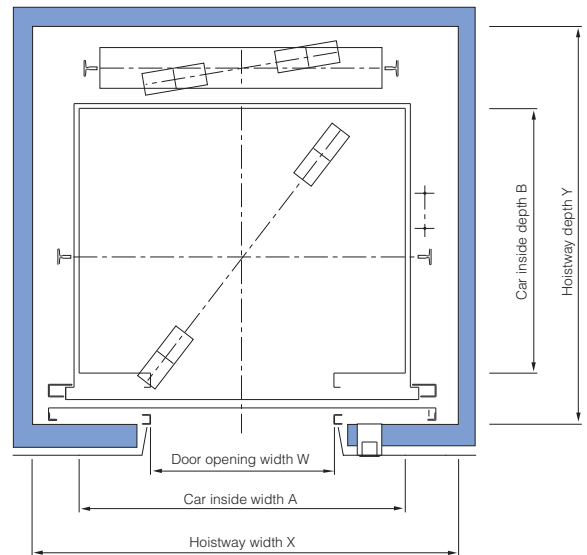
- Hoistway dimensions are the minimum dimension after the building work.
- Hoistway dimensions are the minimum requirement.
- The hoistway structure wall must be 150mm thick or more.
- Piping, wiring and cables not related to elevator are prohibited inside the hoistway.
- OH value in the chart is not related the elevator for standard cars, As for the non-standard cars, additional consultation should be carried out.
- If the size of the hoistway is greater than above sizes, OH will be larger, please contact us.
- If the location of Power source panel, Control panel and Electric power supply are changed, please contact us.
- When travel is 40m or more, and 150mm to above mentioned dimension at the OH dimension and TC dimension.
- Example: P15W W: Wide car D: Deep car



Hoistway section



Top floor hoistway plan



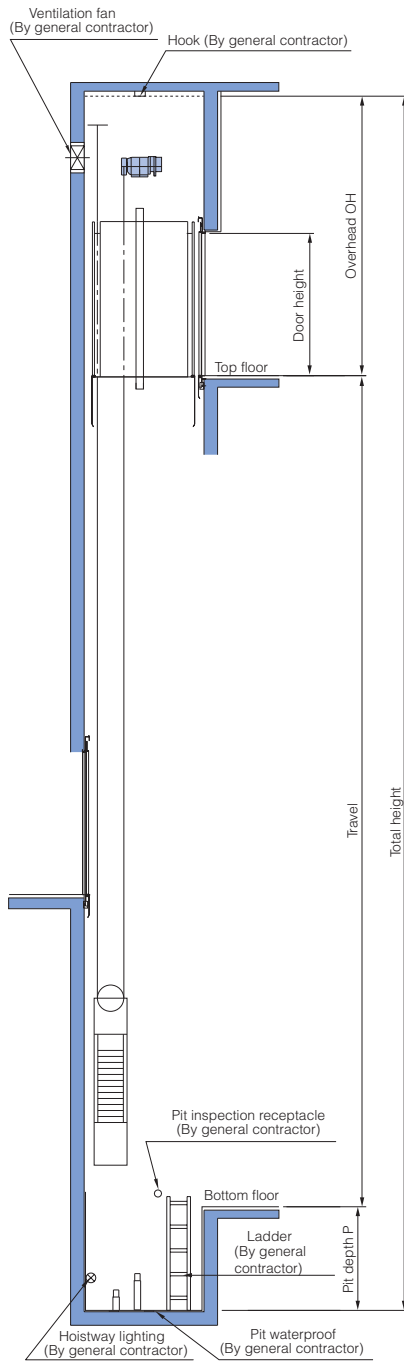
Typical floor hoistway plan

## Specifications

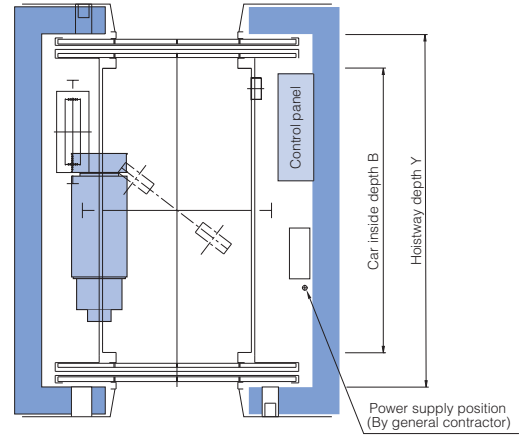
Type		Nos. of Person	Capacity (kg)	Speed (m/s)	Cage size (mm)	Door width W (mm)	Hoistway size (mm)			Motor capacity (kw)	Max. service stops (s)	Max. travel (m)
					Internal (A x B)		X x Y	OH	P			
P19-CO60	W	19	1275	1	2000×1500	1100	2700×2400	4150	1400	8.7	32	80
P19-CO96	W			1.6				4300	1550	14.0		
P19-CO105	W			1.75				4350	1650	16.0		
P20-CO60	W	20	1350	1	2000×1550	1100	2700×2450	4150	1400	8.7	32	80
P20-CO96	W			1.6				4350	1550	14.0		
P20-CO105	W			1.75				4350	1650	16.0		
P24-CO60	W	24	1600	1	2000×1800	1100	2700×2700	4100	1400	10.0	32	80
	W					1200	2740×2700	4300				
P24-CO96	W			1.6		1100	2700×2700	4300	1550	16.0		
	W					1200	2740×2700	4450				
P24-CO105	W			1.75		1100	2700×2700	4350	1650	18.0		
	W					1200	2740×2700	4550				
P27-CO60	W	27	1800	1	2100×1900	1200	2840×2800	4300	1400	12.0	32	80
P27-CO96	W			1.6				4450	1550	18.0		
P27-CO105	W			1.75				4550	1650	20.0		

### Note:

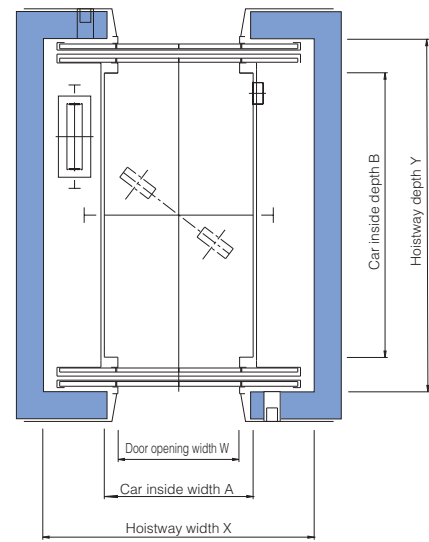
- Hoistway dimensions are the minimum dimension after the building work.
- Hoistway dimensions are the minimum requirement.
- The hoistway structure wall must be 150mm thick or more.
- Piping, wiring and cables not related to elevator are prohibited inside the hoistway.
- OH value in the chart is not related the elevator for standard cars, As for the non-standard cars, additional consultation should be carried out.
- If the size of the hoistway is greater than above sizes, OH will be larger, please contact us.
- If the location of Power source panel, Control panel and Electric power supply are changed, please contact us.
- It is necessary for this type of elevator to install RC structure or steel beam structure for supporting the machine beam in the top of the hoistway by building work. For the details, please contact us.
- When travel is 40m or more, and 150mm to above mentioned dimension at the OH dimension and TC dimension.
- Example: P17W W: Wide car



Hoistway section



Top floor hoistway plan



Typical floor hoistway plan

Front and rear opening hoistway plan (Type: P13D2)

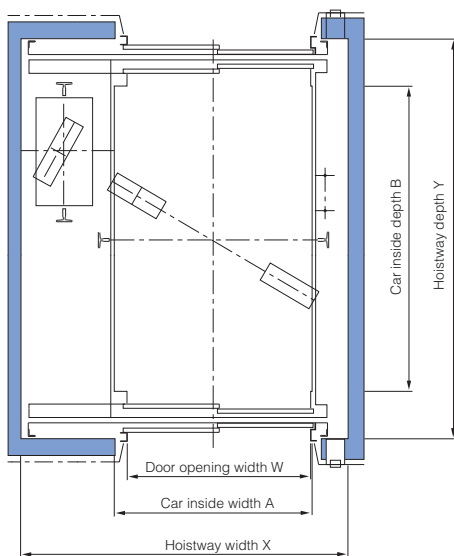
## Specifications

Type	Nos. of Person	Capacity (kg)	Speed (m/s)	Cage size (mm)	Door width W (mm)	Hoistway size (mm)			Motor capacity (kw)	Max. service stops (s)	Max. travel (m)
				Internal (A x B)		X x Y	OH	P			
P14-CO60	D2	14	950	1100×2100	800	1855×2630	3900	1300	5.7	※1	
P14-CO96	D2							1400			
P14-CO105	D2							1450			
P24-2S60	D2	24	1600	1400×2600	1200	2400×3270	4300	1400	10.0	※1	
P24-2S96	D2							1550			
P24-2S105	D2							1650			

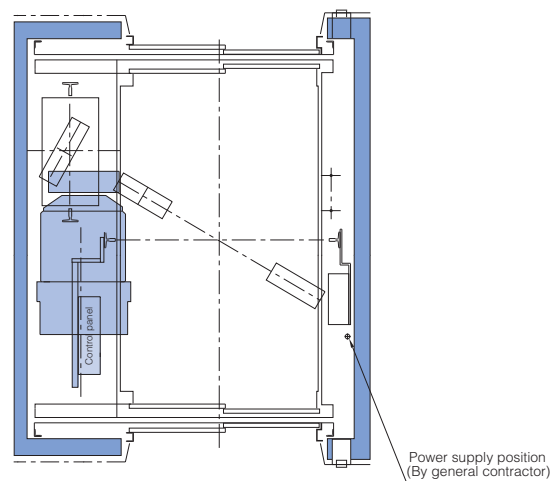
※ 1: Please contact us.

### Note:

- Hoistway dimensions are the minimum dimension after the building work.
- Hoistway dimensions are the minimum requirement.
- The hoistway structure wall must be 150mm thick or more.
- Piping, wiring and cables not related to elevator are prohibited inside the hoistway.
- OH value in the chart is not related the elevator for standard cars, As for the non-standard cars, additional consultation should be carried out.
- If the size of the hoistway is greater than above sizes, OH will be larger, please contact us.
- If the location of Power source panel, Control panel and Electric power supply are changed, please contact us.
- When travel is 40m or more, and 150mm to above mentioned dimension at the OH dimension and TC dimension.
- Example: P13D2 D2: Front and rear opening door deep car



Typical floor hoistway plan



Top floor hoistway plan

Front and rear opening  
hoistway plan  
(Type: P21D2)

# Global network

Together with our global partners, we will connect with Asia and then the world, through our technology and our spirit. The planet is our shared heritage. We must live together, grow together and delight in one another.

## **TOSHIBA ELEVATOR (SHENYANG) CO.,LTD.**

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## **TOSHIBA ELEVATOR (CHINA) CO.,LTD.**

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Factory: 2530, Lorong Perusahaan 10, Prai Industrial Estate, 13600 Prai, Province, Wellesley, Malaysia.



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KL Office: Wisma MS, No.15, Jalan 2/116 D, Kuchai Entrepreneurs' Park, Off Jalan Kuchai Lama, 58200 Kuala Lumpur, Malaysia.

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671-1242 Japan



## Uenohara Operations

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409-0112 Japan

## Fuchu Factory

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183-8511 Japan



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PHONE: +81-3-5423-3389 FAX: +81-3-5423-2746

<http://www.toshiba-elevator.co.jp>



## Safety Cautions

- Observance of relevant laws / regulations are required.
- Read the entire "Instruction Manual" carefully before use, for important information about safety, handling and operation.

# TOSHIBA

**TOSHIBA ELEVATOR AND BUILDING SYSTEMS CORPORATION**

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