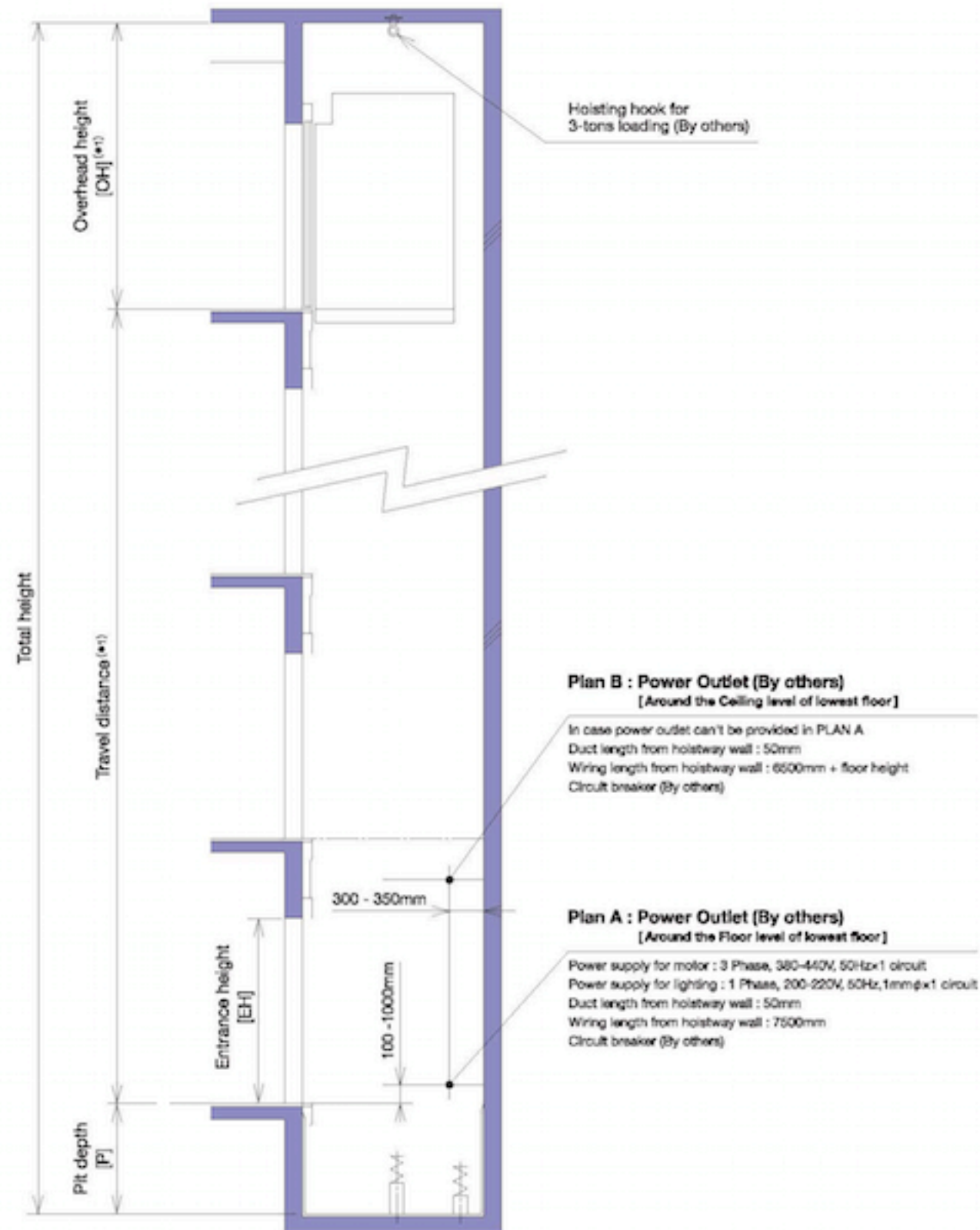


OVERHEAD HEIGHT AND PIT DEPTH

■ Hoistway section



■ Specifications

Maximum travel distance	60 m	
Maximum number of stops	25 stops	
Minimum floor height	EH < 2100mm	2500mm
	EH ≥ 2100mm	EH + 400mm

Remarks

1. If total number of floors is 2, please consult Hitachi or local agent about minimum travel distance and overhead height.

■ Dimension for overhead height

Load [kg]	Speed [m/min]	Minimum overhead height : OH [mm]							
		Counterweight location : Rear				Counterweight location : Side			
		EN	HKG COP	SS550	MS	EN	HKG COP	SS550	MS
1150	60	4150 (4250)	4200 (4300)	4150 (4250)	3800 (3900)	3950 (4050)	3750 (3850)	3750 (3850)	
1350									
1600									
1800									
2000	90	4300 (4400)	4300 (4400)	4300 (4400)	4150 (4250)	4150 (4250)	4100 (4200)	4050 (4150)	
1150									
1350									
1600									
1800	105	4350 (4450)	4400 (4500)	4350 (4450)	4300 (4350)	4300 (4350)	4200 (4250)	4200 (4250)	
1150									
1350									
1600									
1800	2000	4300 (4150)	4300 (4250)	4200 (4050)	4300 (4150)	4300 (4250)	4200 (4050)	4200 (4050)	

■ Dimension for pit depth

Load [kg]	Speed [m/min]	Minimum pit depth : P [mm]								Maximum pit depth : P [mm]
		Counterweight location : Rear				Counterweight location : Side				Counterweight location : Rear/Side EN/HKG COP/SS550/MS
		EN	HKG COP	SS550	MS	EN	HKG COP	SS550	MS	
1150	60	1550	1700	1550	1700	1650	1800	1650 (1850)	1800 (2000)	2150
1350										
1600										
1800										
2000	90	1650 (1700)	1800 (1850)	1650 (1700)	1800 (1850)	1650 (1800)	1800 (2050)	1650 (1900)	1800 (2100)	2150
1150										
1350										
1600										
1800	105	1700 (1750)	1850 (1900)	1700 (1750)	1850 (1900)	1700 (1950)	1850 (2100)	1700 (1950)	1850 (2100)	2150
1150										
1350										
1600										
1800	2000	1700 (1750)	1850 (1900)	1700 (1950)	1850 (2100)	1700 (1950)	1850 (2100)	1700 (1950)	1850 (2100)	2150

Remarks

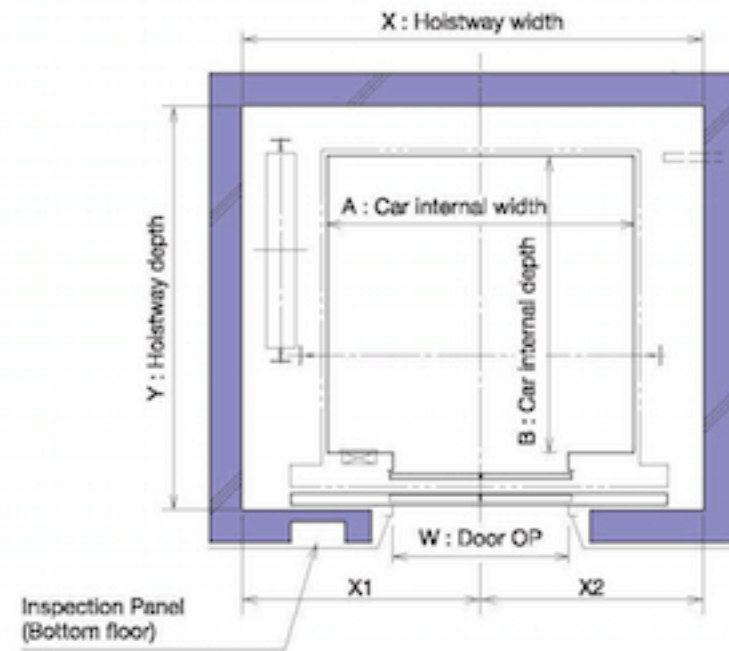
1. If bare ceiling height is more than 2300mm, please consult to Hitachi or local agent.

2. (): For 30 < travel distance ≤ 60 m

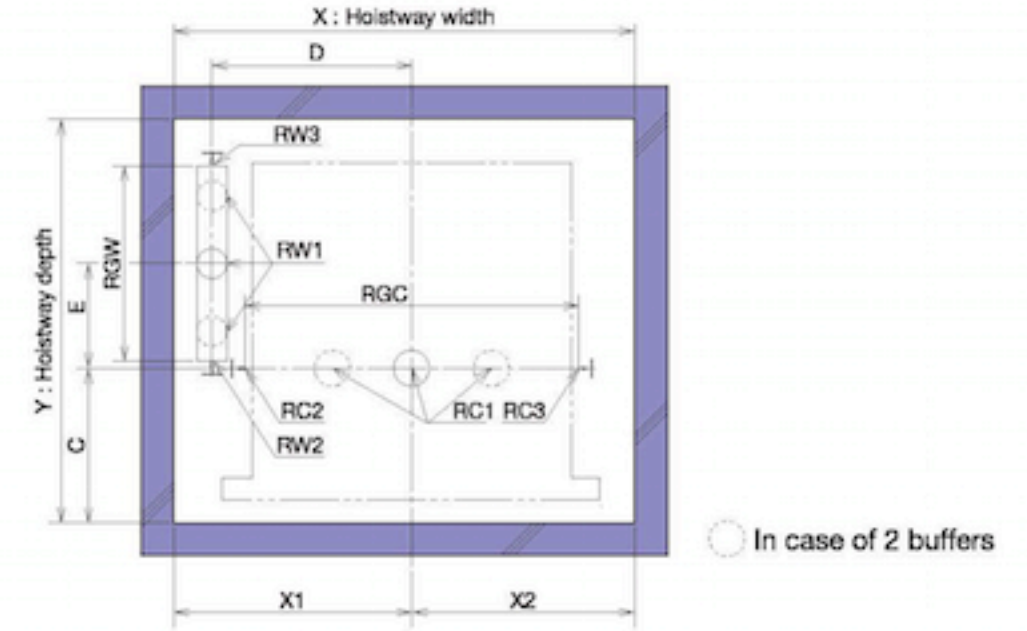
3. If total number of floors is 2, please consult Hitachi or local agent about minimum travel distance and overhead height.

DIMENSION OF HOISTWAY AND PIT REACTION LOADING [EN / HKG COP]

■ Hoistway dimension (OUG, Counterweight location : Side)



■ Pit and reaction loading (OUG, Counterweight location : Side)



■ Dimension of hoistway

Load [kg]	Speed [m/min]	Car internal size A × B [mm]	Door OP width W [mm]	Hoistway X × Y [mm]	Location [mm]	
					X1	X2
1150	60	1800 × 1450	1000	2750 × 2050	1575	1175
	90					
	105					
1350	60	1800 × 1650	1000	2750 × 2050	1575	1175
	90			2800 × 2050		
	105					
	60	2000 × 1500	1100	2950 × 2050	1675	1275
	90			3000 × 2050		
	105					
1600	60	2000 × 1700	1100	3000 × 2150	1735	1265
	90			3050 × 2150		
	105					
	60	2100 × 1650	1100	3100 × 2100	1785	1315
	90			3150 × 2100		
	105					
1800	60	2000 × 1850	1100	3000 × 2300 (3050 × 2400)	1735 (1750)	1265 (1300)
	90			3050 × 2300 (3050 × 2400)		
	105					
2000	60	2000 × 2000	1100	3000 × 2450 (3050 × 2550)	1735 (1750)	1265 (1300)
	90			3050 × 2450 (3050 × 2550)		
	105					

Remarks

- () : For 30 < travel distance ≤ 60 m
- Above tables shows the dimensions on the following conditions:
 - (1) Single elevator in hoistway
 - (2) 2 panels center opening
 - (3) Fire rated door
 - (4) Without counterweight safety
 Please consult Hitachi or local agent if other specifications are required.

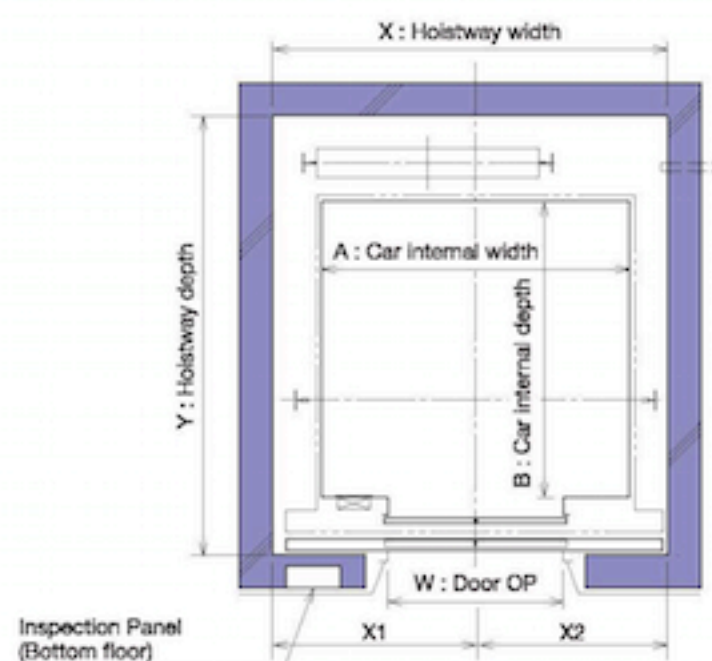
■ Pit and reaction loading

Load [kg]	Speed [m/min]	Car internal size A × B [mm]	Location [mm]							Pit reaction loading [kN]						
			X1	X2	C	D	E	RGC	RGW	Car side			Counterweight side			
										RC1	RC2	RC3	RW1	RW2	RW3	
1150	60	1800 × 1450	1575	1175	855	1415	425	1940	1250	71.5 × 2sets	58 (61.5)	41.5 (46.5)	61 × 2sets	54 (59.5)	21.5 (26.5)	
	90									132.5						112.5
	105									138.5						117.5
1350	60	1800 × 1650	1575	1175	855	1415	425	1940	1250	80 × 2sets	60 (65)	45 (50.5)	68 × 2sets	58 (63)	23.5 (29)	
	90									148.5						125
	105									155.5						131
	60	2000 × 1500	1675	1325	1515	425	2140	1550	80 × 2sets	60 (65)	45 (50.5)	68 × 2sets	58 (63)	23.5 (29)		
	90								148.5						125	
	105								155.5						131	
1600	60	2000 × 1700	1735	1265	705	1580	425	2140	1550	120	66.5 (72)	50.5 (55.5)	76 × 2sets	61 (66.5)	30 (35)	
	90									168						140
	105									176						146.5
	60	2100 × 1650	1785	1315	655	1630	425	2240	1550	120	66.5 (72)	50.5 (55.5)	76 × 2sets	61 (66.5)	30 (35)	
	90									168						140
	105									176						146.5
1800	60	2000 × 1850	1735 (1750)	1265 (1300)	855	1580	425 (525)	2140	1550	132 (135)	71.5 (77.5)	54.5 (61)	83 × 2sets (85.5 × 2sets)	65.5 (79.5)	32.5 (31.5)	
	90									184.5 (189)						152.5 (157)
	105									193 (197)						159.5 (164)
2000	60	2000 × 2000	1735 (1750)	1265 (1300)	985	1580	425 (525)	2140	1550	72 × 2sets (73.5 × 2sets)	75 (81.5)	58.5 (65)	90 × 2sets (92.5 × 2sets)	69.5 (83.5)	35 (33.5)	
	90									100.5 × 2sets (103 × 2sets)						165 (169.5)
	105									105 × 2sets (107.5 × 2sets)						173 (177.5)

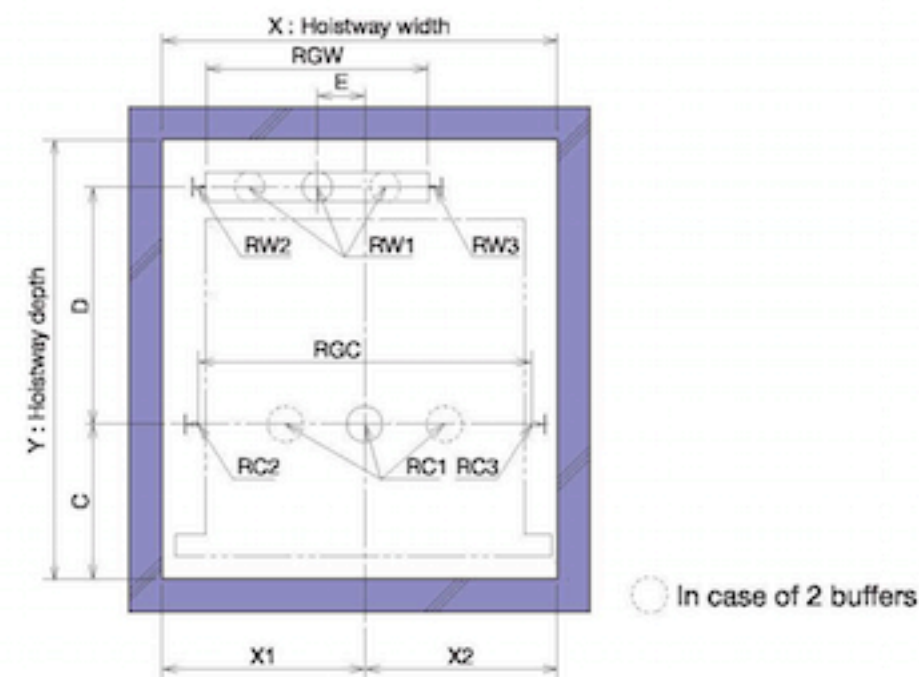
Remarks

- () : For 30 < travel distance ≤ 60 m
- Above tables shows the dimensions on the following conditions:
 - (1) Single elevator in hoistway
 - (2) 2 panels center opening
 - (3) Fire rated door
 - (4) Without counterweight safety
 Please consult Hitachi or local agent if other specifications are required.

■ Hoistway dimension (OUG, Counterweight location : Rear)



■ Pit and reaction loading (OUG, Counterweight location : Rear)



■ Dimension of hoistway

Load [kg]	Speed [m/min]	Car internal size A × B [mm]	Door OP width W [mm]	Hoistway X × Y [mm]	Location [mm]	
					X1	X2
1150	60	1800 × 1450	1000	2500 × 2300	1350	1150
	90					
	105					
1350	60	1800 × 1650	1000	2500 × 2300	1350	1150
	90					
	105					
	60	2000 × 1500	1100	2700 × 2300	1425	1275
	90					
	105					
1600	60	2000 × 1700	1100	2750 × 2400	1460	1290
	90					
	105					
	60	2100 × 1650	1100	2850 × 2350	1550	1300
	90					
	105					
1800	60	2000 × 1850	1100	2750 × 2550	1460	1290
	90					
	105					
2000	60	2000 × 2000	1100	2750 × 2650	1460	1290
	90					
	105					

Remarks

- Above tables shows the dimensions on the following conditions:
 - (1) Single elevator in hoistway
 - (2) 2 panels center opening
 - (3) Fire rated door
 - (4) Without counterweight safety
 Please consult Hitachi or local agent if other specifications are required.

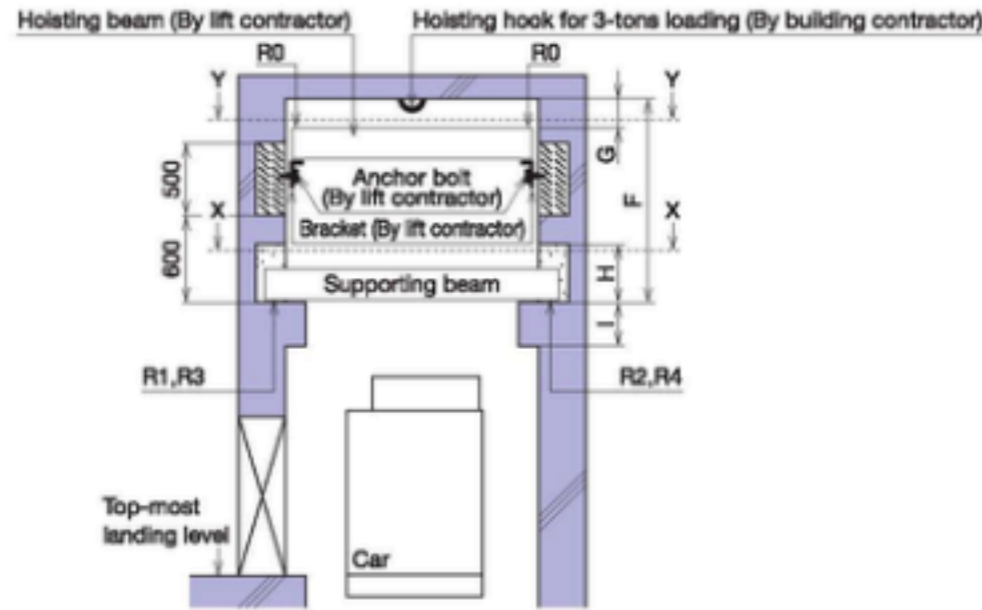
■ Pit and reaction loading

Load [kg]	Speed [m/min]	Car internal size A × B [mm]	Location [mm]							Pit reaction loading [kN]					
			X1	X2	C	D	E	RGC	RGW	Car side			Counterweight side		
										RC1	RC2	RC3	RW1	RW2	RW3
1150	60	1800 × 1450	1350	1150	855	1485	345	1940	1250	71.5 × 2sets	37 (42.5)	41.5 (46.5)	61 × 2sets	59.5 (65)	35 (40.5)
	90									132.5			112.5		
	105									139			117.5		
1350	60	1800 × 1650	1350	1150	855	1485	345	1940	1250	80 × 2sets	39.5 (45)	45 (50.5)	68 × 2sets	64 (69.5)	38 (43.5)
	90									148.5			125		
	105									155.5			131		
	60	2000 × 1500	1425	1275	855	1485	445	2140	1250	80 × 2sets	39.5 (45)	45 (50.5)	68 × 2sets	64 (69.5)	38 (43.5)
	90									148.5			125		
	105									155.5			131		
1600	60	2000 × 1700	1460	1290	705	1505	295	2140	1550	120	45.5 (50.5)	50.5 (55.5)	76 × 2sets	70.5 (76)	42 (47.5)
	90									168			140		
	105									176			146.5		
	60	2100 × 1650	1550	1300	655	1505	345	2240	1550	120	45.5 (50.5)	50.5 (55.5)	76 × 2sets	70.5 (76)	42 (47.5)
	90									168			140		
	105									176			146.5		
1800	60	2000 × 1850	1460	1290	855	1505	295	2140	1550	132 (135)	48.5 (54.5)	54.5 (61)	83 × 2sets (85.5 × 2sets)	78 (83)	45.5 (51.5)
	90									184.5 (189)			152.5 (157)		
	105									193 (197)			159.5 (164)		
2000	60	2000 × 2000	1460	1290	985	1505	295	2140	1550	72 × 2sets (73.5 × 2sets)	51.5 (57)	58.5 (65)	90 × 2sets (92.5 × 2sets)	80.5 (87)	48 (54.5)
	90									100.5 × 2sets (103 × 2sets)			165 (169.5)		
	105									105 × 2sets (107.5 × 2sets)			173 (177.5)		

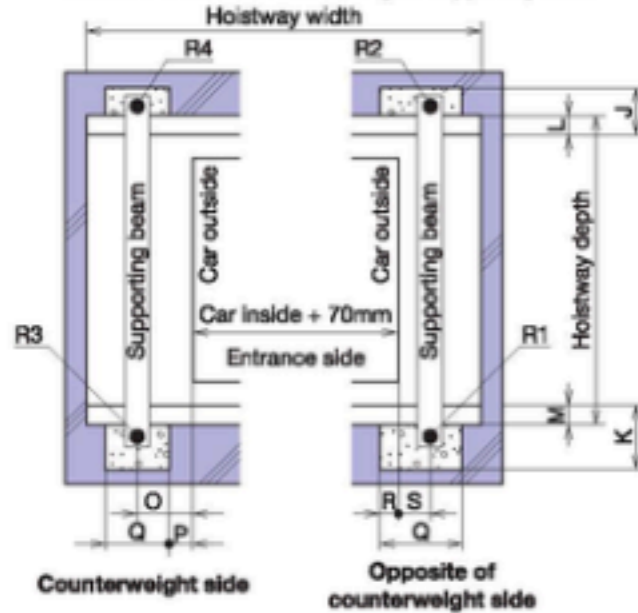
Remarks

- () : For 30 < travel distance ≤ 60 m
- Above tables shows the dimensions on the following conditions:
 - (1) Single elevator in hoistway
 - (2) 2 panels center opening
 - (3) Fire rated door
 - (4) Without counterweight safety
 Please consult Hitachi or local agent if other specifications are required.

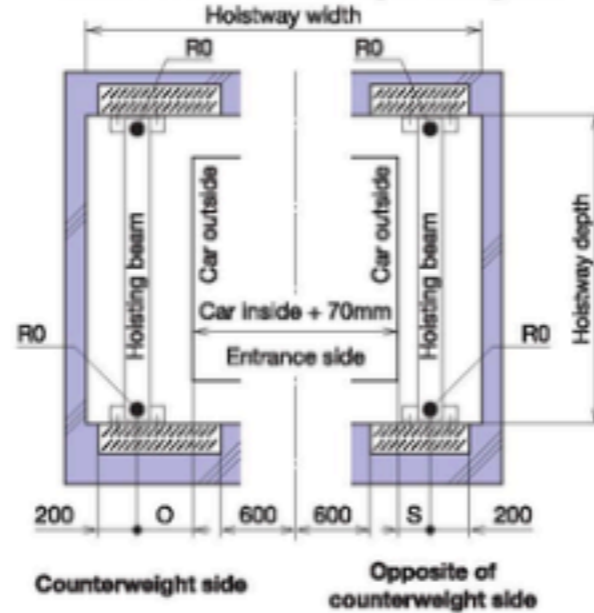
1. Parameters for each dimension and reaction loading of hoisting beam and cutout for installing supporting beam



Section X-X : Location and loading for supporting beam



Section Y-Y : Location and loading for hoisting beam



: Grouting by building contractor

: Installing location of anchor bolt
Please secure the wall that can be installed anchor bolt.

2. Cutout size, location, and reaction loading

Load [kg]	Speed [m/min]	F [mm]	G [mm]	H [mm]	I [mm]	J [mm]	K [mm]	L [mm]	M [mm]	O [mm]	P [mm]	Q [mm]	R [mm]	S [mm]	R0 [kN]	R1 [kN]	R2 [kN]	R3 [kN]	R4 [kN]
1150	60	Min. 1100	50	Min. 400	Max. 300	Min. 150	Min. 300	Max. 50	Max. 85	300	125	Min. 300	95	100	15	30	27	51	60
	90																		
	105																		
1350	60	Min. 1100	50	Min. 400	Max. 300	Min. 150	Min. 300	Max. 50	Max. 85	300	125	Min. 300	95	100	15	32	28	58	66
	90																		
	105																		
1600	60	Min. 1100	50	Min. 400	Max. 300	Min. 150	Min. 300	Max. 50	Max. 85	300	125	Min. 300	95	100	15	34	32	62	73
	90																		
	105																		
1800	60	Min. 1175	50	Min. 400	Max. 300	Min. 150	Min. 300	Max. 50	Max. 85	320	125	Min. 300	95	100	15	38	34	63	78
	90																		
	105																		
2000	60	Min. 1175	50	Min. 400	Max. 300	Min. 150	Min. 300	Max. 50	Max. 85	320	125	Min. 300	95	100	15	37	37	63	83
	90																		
	105																		

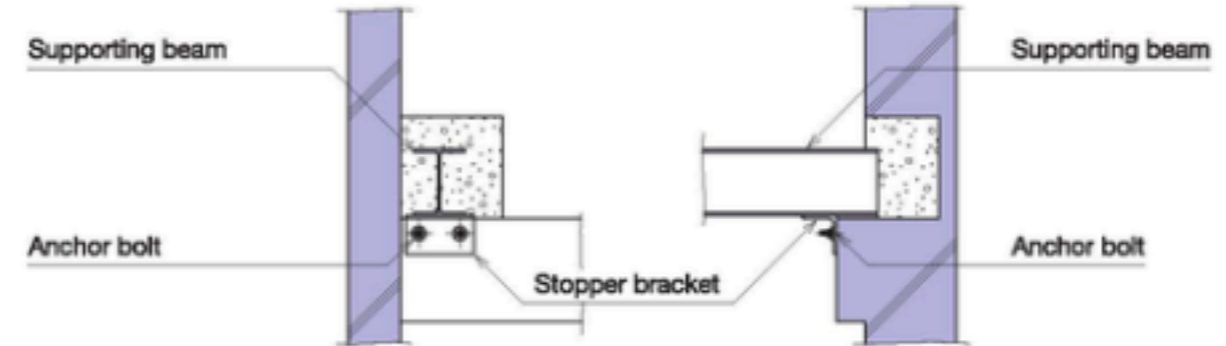
Remarks

1. Above table shows values without counterweight safety.

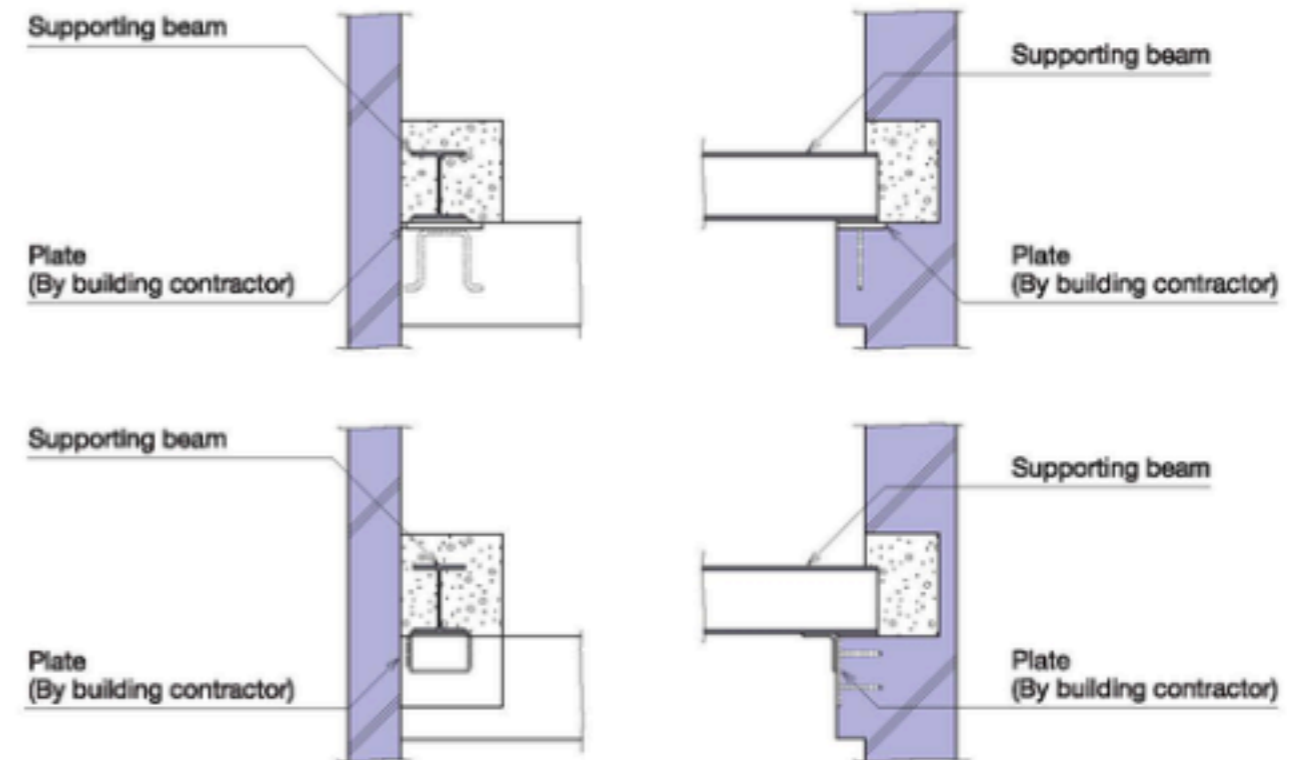
3. Method of installing supporting beam

① For concrete structure building :

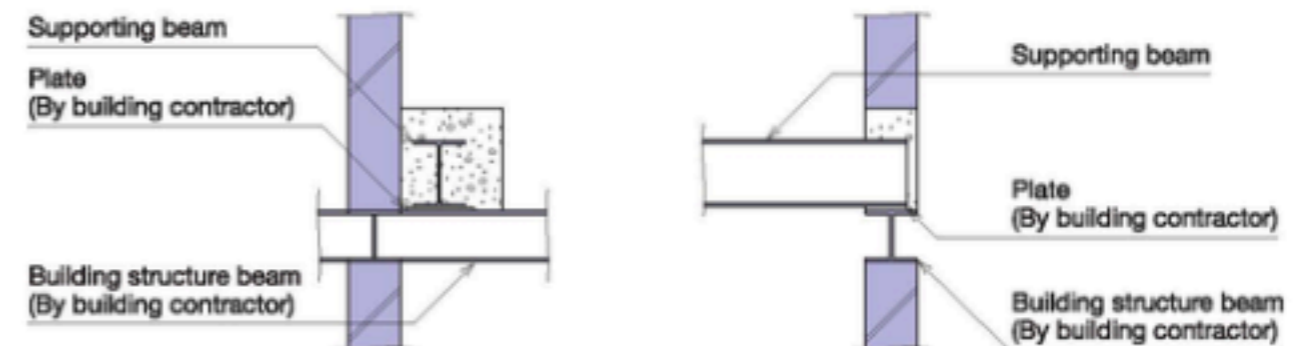
(1) Weld supporting beam to stopper bracket fixed with building by anchor bolts.



(2) Provide the plate (by building contractor), and supporting beam to plate.



② For steel frame structure building : Weld supporting beam to steel frame.



Remarks

1. In the case hoistway wall does not have enough strength for supporting reaction loading (e.g. brick etc.), please supply building structure beam, which has enough strength for reaction loading to install supporting beam as same as steel frame structure building shown as above figure.