

Greetings

Modeun Elevator Co., Ltd. has been an expert manufacturer of passenger, freight, car elevator and dumbwaiter responding to various customer needs, since year 1992.

We have achieved one-stop service from engineering, production, installation to maintenance with the world-best competitiveness in the elevator field.

We have factory automation facilities to produce elevator more than 900 set per year with accumulative high technical skills and have installation and maintenance ability over 1,700 sites as well as Daegu subway & Incheon airport.

We are currently supplying our products with own brand more than 5 million US dollars to emerging market places like South-East Asia, the Middle East, Russia and South America.

We will make every effort to meet customer satisfaction as well as to maintain quality and reliability by flexible responding to any changing circumstances in a rapidly changing circumstances in the world.

History

Dec. 1992	"Modeun Elevator" established
Jul. 1998	Licensed for "Specialty Construction"
Apr. 2005	Acquired "Enterprise specializing in parts materials"
Dec. 2007	Registered a patent for "elevator braking device" by Korean Intellectual Property Office
May. 2009	Certified ISO 9001 / 14001
Jun. 2009	Designated "Export promising small and medium-sized enterprise" by Small and Medium Business Administration
Jun. 2009	Designated "Main-Biz company" by Small and Medium Business Administration
Jun. 2009	Established Research and Development Center
Oct. 2009	Designated "Inno-Biz company" by Small and Medium Business Administration
Mar. 2010	Acquired GOST certification
Apr. 2010	Designated as a "Venture Company" by Small and Medium Business Administration
Nov. 2010	Appointed as a company for "Special Military Service" by Military Manpower Administration
Nov. 2010	Awarded "US\$ 3 million" export monument
Apr. 2011	Appointed as a "Global IP (Intellectual Property) Enterprise"
Aug. 2012	Licensed electrical contractor
Jan. 2013	Relocated and built newly Head Office and Main Factory to Geochang (Located in Geochang elevator valley complex)
Jan. 2013	Registered a trademark by Korean Intellectual Property Office

Car & Door Design

Freight Elevator



MFCA-CO1(4Panel Center Open)

Ceiling Design MCI-F01
 Ceiling Plate Color No. : MCGP-015
 Car Wall Color No. : STS-HL / STS-HL-ET
 Car Door Color No. : STS-HL / STS-HL-ET
 Car Floor Chequered Plate
 Car Sill Hardness Aluminum
 COP MOPD-FMR01
 Car Position Indicator COP Integral type



MFCA-CO2(2Panel Side Open)

Ceiling Design MCI-F01
 Ceiling Plate Color No. : MCGP-943
 Car Wall Color No. : STS-HL / STS-HL-ET
 Car Door Color No. : STS-HL / STS-HL-ET
 Car Floor Chequered Plate
 Car Sill Hardness Aluminum
 COP MOPD-FMR01
 Car Position Indicator COP Integral type



MFCA-CO3(2Panel UpSliding Open)

Ceiling Design MCI-F01
 Ceiling Plate Color No. : MCGP-923
 Car Wall Color No. : STS-HL / STS-HL-ET
 Car Door Color No. : STS-HL / STS-HL-ET
 Car Floor Chequered Plate
 Car Sill Chequered Plate
 COP MOPD-FMR01
 Car Position Indicator COP Integral type



MOPD-FMR01S (standard)

Color Chip



MCGP-015



MCGM-922



MCGP-923



MCGP-928



MCGP-943



MFHA-EO1 (4Panel Center Open)

Jamb MJ-SL201 (Color No. : MCGP-015 / STS-HL)
Hatch Door Color No. : MCGP-015 / STS-HL / STS-HL-ET
Hatch Sill Hardness Aluminum
Car Position Indicator Hatch button integral type
Hatch Button MHID-CMR01F



MFHA-EO2 (2Panel Side Open)

Jamb MJ-SL201 (Color No. : MCGP-943 / STS-HL)
Hatch Door Color No. : MCGP-943 / STS-HL / STS-HL-ET
Hatch Sill Hardness Aluminum
Car Position Indicator Hatch button integral type
Hatch Button MHID-CMR01F



MFHA-EO3 (2Panel UpSliding Open)

Jamb MJ-SL201 (Color No. : MCGP-928 / STS-HL)
Hatch Door Color No. : MCGP-928 / STS-HL / STS-HL-ET
Hatch Sill Chequered Plate
Car Position Indicator Hatch button integral type
Hatch Button MHID-CMR01F



Car position Indicator & Car call button



MHID-CMR01F



MHID-CMR01S

Car & Door Design



MCCA-C01

Ceiling Design	MCI-C01
Ceiling Plate	Color No. : MCGP-943
Car Wall	Color No. : MCP-943 / STS-HL / STS-HL-ET
Car Door	None
Car Floor	Chequered Plate
Car sill	Chequered Plate
COP	MOPD-CMR01
Car Position Indicator	COP Integral type
Photo Beam	Car entrance both sides
Car stoppage Device	Wheel stopper



MHID-CMR01F



MHID-CMR01S

MCHA-EO1(2Panel UpSliding Open)

Jamb	MJ-SL201(Color No. : MCGP-943)
Hatch Door	Color No. : MCGP-943 / STS-HL / ET
Hatch Sill	Hardness Aluminum
Car Position Indicator	Hatch Button Integral type
Hall Button	MHID-CMR01F
Hatch Signal	Driving lamp
Photo Beam	Jamb both sides



Acceptable dimension of car (Max size)

Load	Acceptable dimension of car (Max size)		
	Length(L)	Width(W)	Height(H)
2000kg	4800mm	1800mm	1700mm
2500kg	5200mm	2060mm	1700mm
3000kg	5200mm	2060mm	1700mm

Note : Please ask for us if client use car elevator for SUV (Sports Utility Vehicle) or truck.

Car Operating Panel

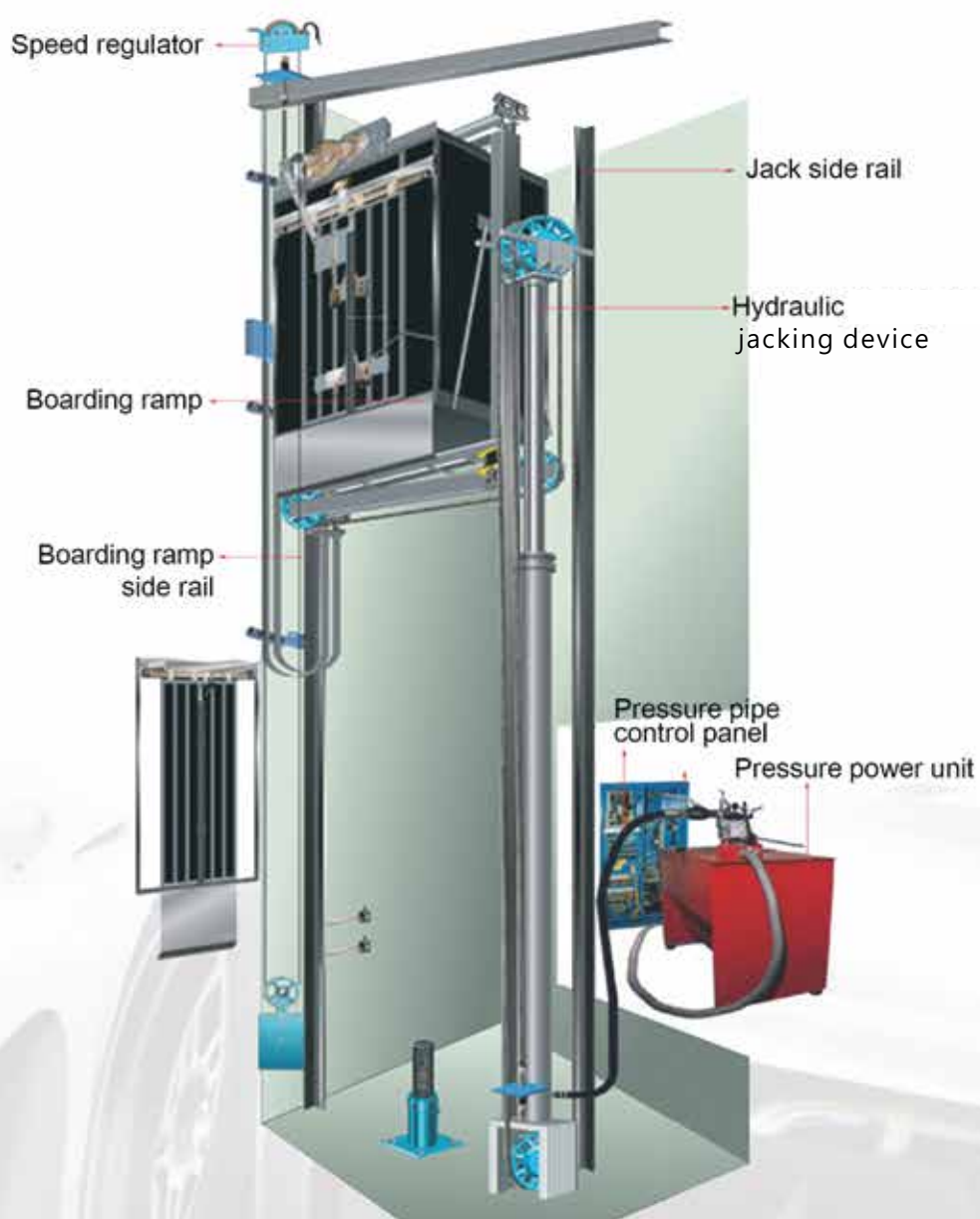


MOPD-CMRO1

Driving lamp



Construction drawing of Hydraulic type Elevator



Color Chip



MCGP-015



MCGM-922



MCGP-923



MCGP-928



MCGP-943

Technical Data

Freight & Car Elevator

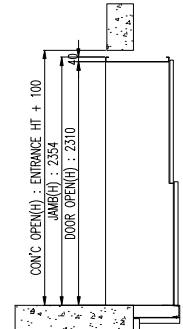
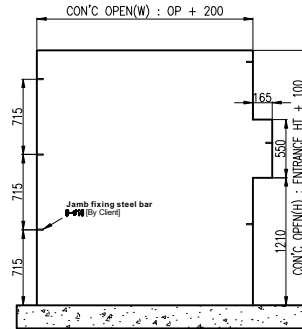
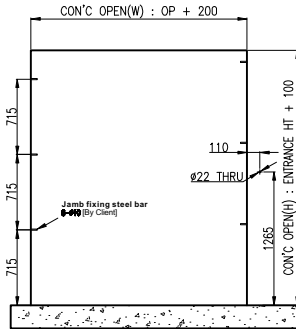
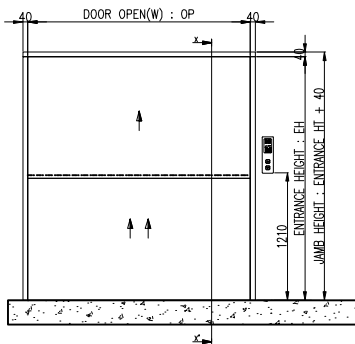
Construction specifications for entrance

Entrance design

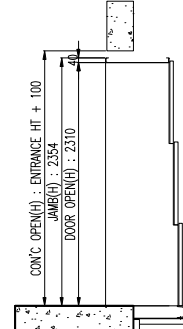
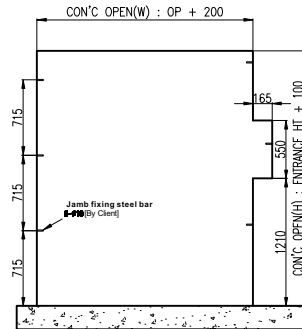
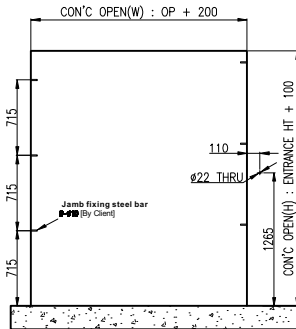
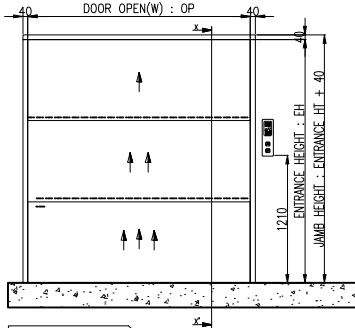
Projected button

Built-in button

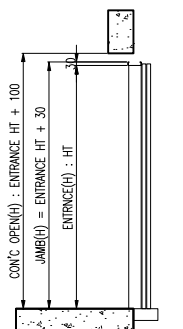
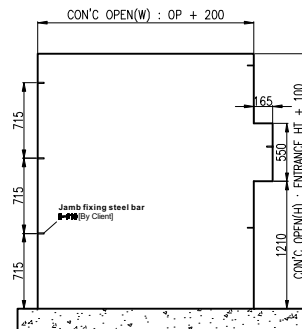
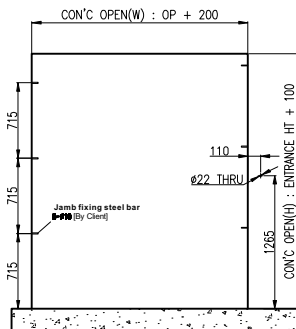
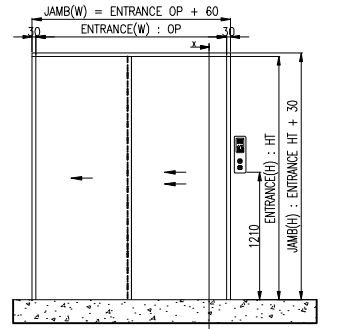
2P UP SLID OPEN TYPE
JAMB TYPE : MJ-SL201



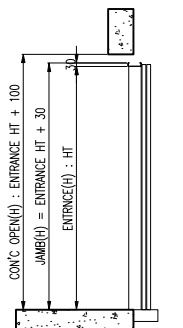
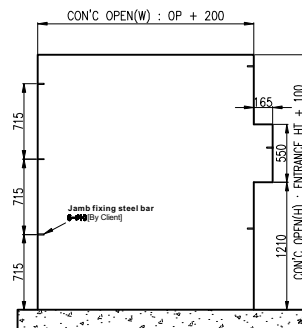
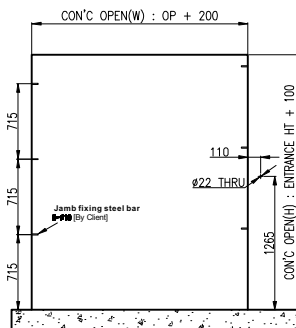
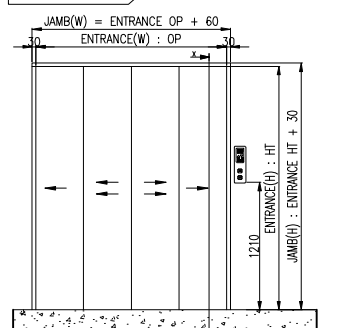
3P UP SLID OPEN TYPE
JAMB TYPE : MJ-SL201



2P, 3P SIDE OPEN TYPE
JAMB TYPE : MJ-SS101

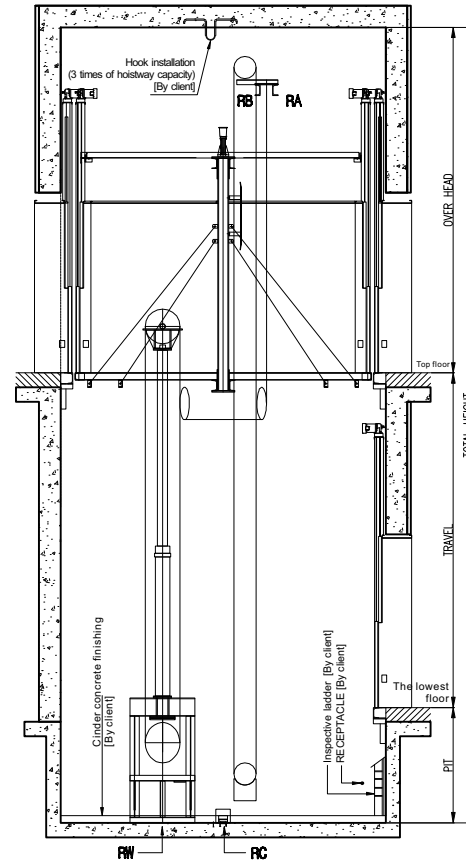
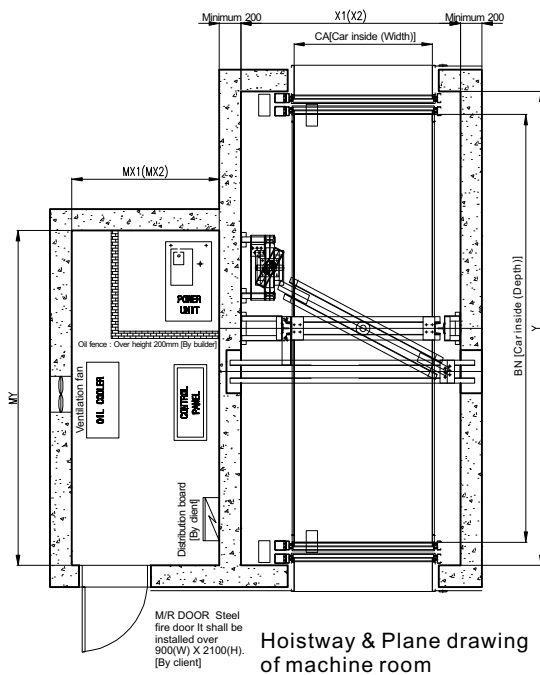


4P CENTER OPEN TYPE
JAMB TYPE : MJ-SS101

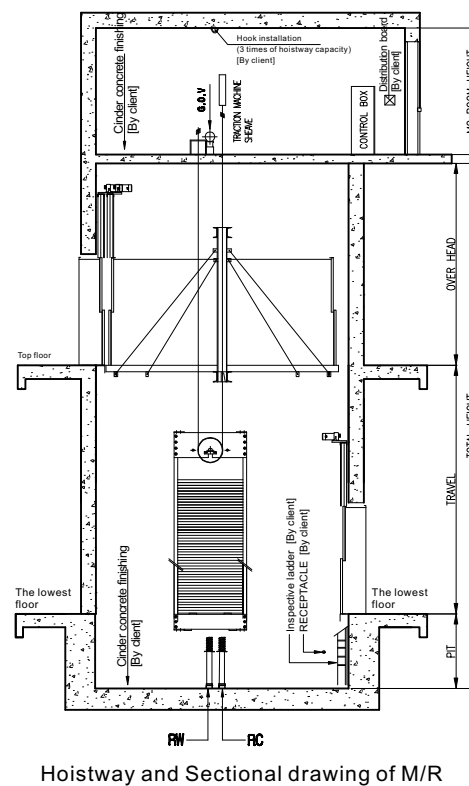
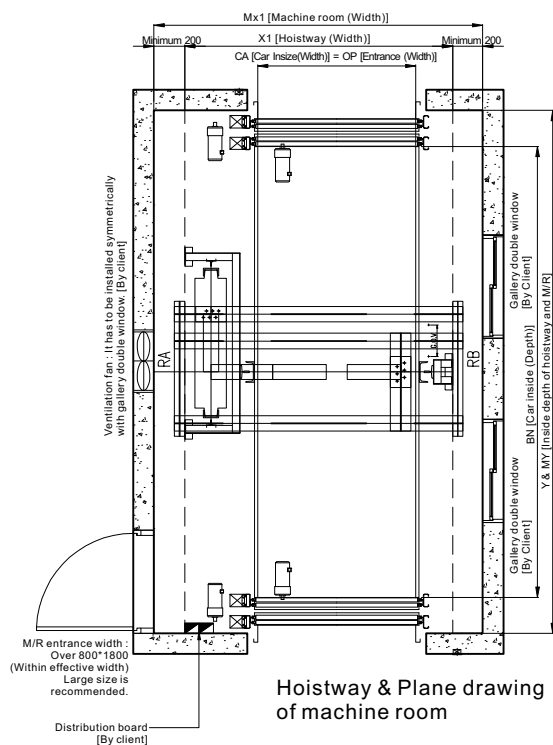


Construction specifications for car elevators (Hydraulic & Rope type)

◆ Hydraulic type of car elevator (MCH)



◆ Rope type of car elevator (MCR)

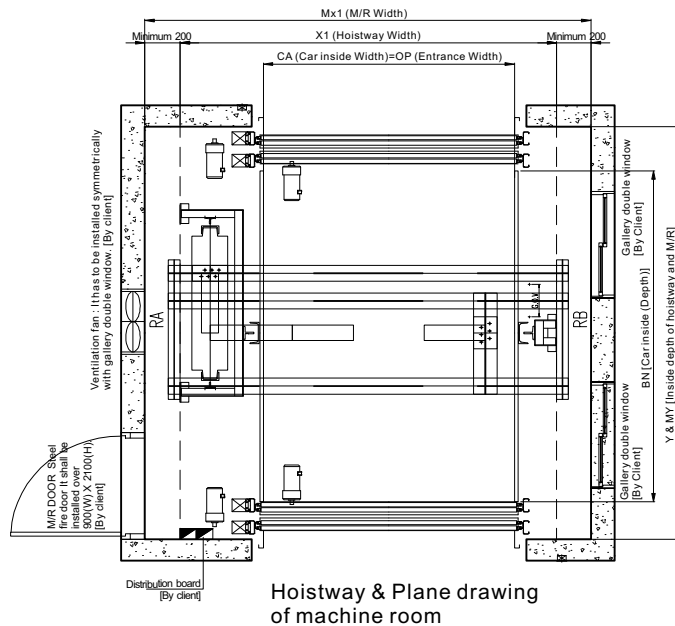


Technical Data

Freight Elevator

Construction specifications for Freight Elevator (Rope type)

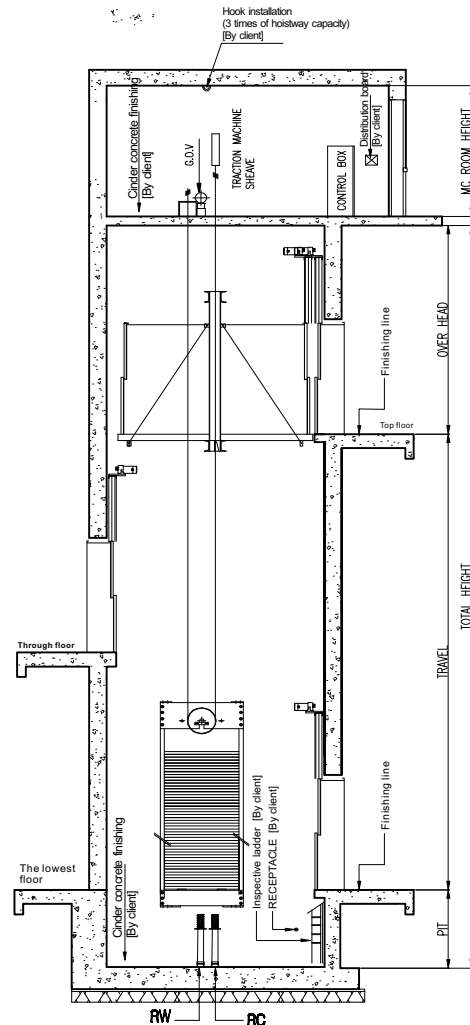
◆ Freight Elevator of Rope type (MFR)



Standard Specifications (MFR) [Unit : mm]

Load	Speed	Overhead	Pit depth	Machine room & Pit reaction (kg)				M/R height
kg	m/min	mm	mm	RA	RB	RC	RW	mm
1000	30,45	4500	1500	6700	3800	13400	10900	2500
	60	4700	1500	6900	5200	13700	12300	2500
2000	30,45	4500	1500	13900	6700	24000	19900	2500
	60	4700	1500	14600	7000	25800	20800	2500
3000	30,45	4500	1500	18800	9400	35300	27900	2500
5000	30	4500	1500	29800	14400	57300	49900	2800

* M/R Heating value = Speed x Load x Coefficient(1/40)



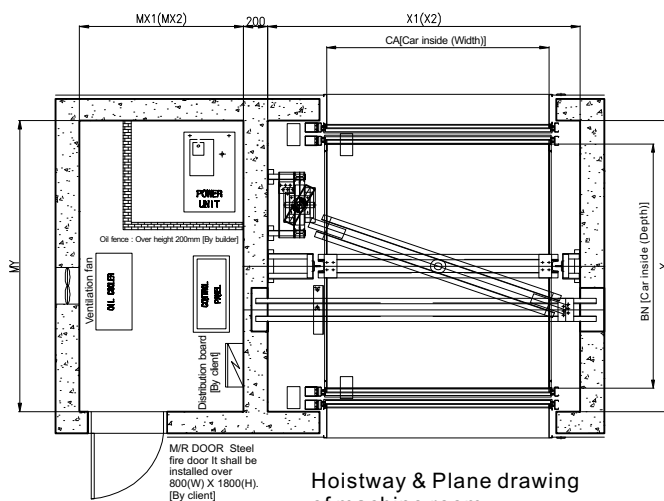
Load	Speed	Door open	Entrance size		Car inside size		Hoistway size				M/R size			
			Width	Height	Width	Depth	Simplex	Duplex			Simplex	Duplex		
kg	m/min	Method	OP	EH	CA	CB	X1	Y	X2	Y	MX1	MY	MX2	MY
1000	30,45	2S	1100	2100	1500	2400	2450	3000	5050	3000	2850	3000	5450	3000
	60	2U	1500				2500	3000	5150	3000	2900	3000	5550	3000
2000	30,45	2S	1700	2100	2200	3000	3250	3600	6700	3600	3650	3800	7100	3800
		3S	1800				3250	3700	6700	3700	3650	3700	7100	3700
		4C	1600				3250	3800	6700	3800	3650	3800	7100	3800
		2U	2200				3300	3800	6800	3800	3700	3800	7200	3800
	60	3S	2300				4050	4100	8350	4100	4450	4100	8750	4100
		4C	2000				4050	4000	8350	4000	4450	4000	8750	4000
3000	30	2U	2800				4100	4000	8450	4000	4500	4000	8850	4000
		2U	3200				4650	5600	9600	5600	5050	5600	10000	5600

Note

1. Due to applying for minimum hoistway size, above hoistway size must be considered as per construction error and inclination of building.
2. Please ask for us in case of nonstandard. (Ex. Fire door & Through type)
3. Duplex hoistway must be considered as per partition construction from the bottom of pit to the ceiling of hoistway.

Construction specifications for Freight Elevator (Hydraulic type)

◆ Freight Elevator of Hydraulic type (MFH)

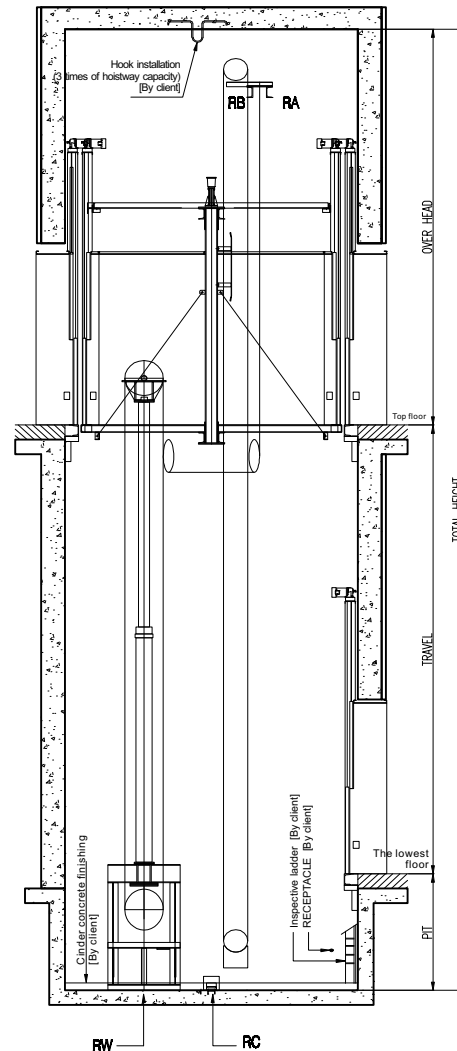


Standard Specification (MFH)

[Unit : mm]

Load	Speed	Overhead	Pit depth	Machine room & Pit reaction (kg)				M/R height
kg	m/min	mm	mm	RA	RB	RC	RW	mm
1000	20,30	3800	1500	6100	500	18100	8600	2100
2000	20,30	3800	1500	9000	600	31700	11100	2100
3000	20	3800	1500	13100	700	51000	19100	2100
5000	20	3800	1500	22100	1550	57300	49800	2100

* M/R Caloric Value = (585 x Motor capacity x Running time) / (44 + Running time x 2)



[Unit : mm]

Load	Speed	Door open	Entrance size		Car inside size		Hoistway size				M/R size						
			Width	Height	Width	Depth	Simplex		Duplex		Simplex		Duplex				
kg	m/min	TYPE	OP	EH	CA	CB	X1	Y	X2	Y	MX1	MY	MX2	MY			
1000	20,30	2S	1100	2100	1500	2400	2350	3210	4850	3210	2500	2500	5000	2500			
		2U	1500				2400	3200	4950	3200							
2000	20,30	2S	1700	2100	2200	3000	3250	3810	6700	3810							
		3S	1800				3250	3970	6700	3970							
		4C	1600				3250	3810	6700	3810							
		2U	2200				3300	3800	6800	3800							
							3850	4370	7950	4370							
3000	20	3S	2300	2100	2800	3400	3850	4210	7950	4210							
		4C	2000				3850	4210	7950	4210							
		2U	2800				3900	4200	8050	4200							
5000	20	2U	3200	2100	3200	5000	4300	5800	8900	5800							

Note

1. Due to applying for minimum hoistway size, above hoistway size must be considered as per construction error and inclination of building.
2. Please ask for us in case of nonstandard. (Ex. Fire door & Through type)
3. Duplex hoistway must be considered as per partition construction from the bottom of pit to the ceiling of hoistway.

Technical Data

Freight Elevator

Electrical facilities for Freight Elevator

Speed (m/min)	Load (Kg)	Electric motor capacity (kw)	Building NFB Capacity(A)				Building electric transformer (KVA)		Power cable size (m3)				Power cable size (m3)		
			Simplex		Duplex				Simplex		Duplex				
			220V	380V	220V	380V	1대	2대	220V	380V	220V	380V	Simplex	Duplex	
1000	20	22	175				50	90	60	22	150	80	14	22	
	30	5.5	30	225	30	100	4	75	7	110	5.5	80	5.5	38	
	45	7.5	75	350	50	125	75	50	9	90	15	160	14	150	
1500	20	29.4	225	200			75	110	80	38	250	100	22	38	
	30	7.5	36.8	75	300	50	125	75	50	9	75	15	140	14	125
	45	11	51.5	75	400	50	175	100	50	10	90	16	180	14	200
2000	20	29.4	25	225			75	110	80	38	250	100	22	38	
	30	15	44.1	100	350	75	125	100	75	11	90	19	160	22	150
	45	18	58.8	100	450	75	200	125	75	14	23	220	38	250	8
2500	20	36.8	300	250			75	140	125	50	325	150	22	38	
	30	15	44.1	100	350	75	175	100	75	12	90	21	160	22	150
	45	22	125	75	200	175	100	15	26	38	14	60	22	14	14
3000	20	36.8	300				75	140	125	50	325	150	22	38	
	30	18	51.5	100	400	75	175	750	75	15	90	25	180	38	200
	45	22	125	75	225	175	100	18	30	38	14	100	38	14	14
4000	15	36.8	300				75	140	125	50	325	150	22	38	
	20	51.5	400	175			90	180	200	80	400	200	22	60	
	30	22	125	75	225	175	100	19	33	38	14	100	38	14	14
5000	45	30	150	100	250	125	25	43	60	22	150	50	14	22	
	15	51.5	400	225			90	180	200	80	400	200	22	60	
	20	73.6	500	300				240	250	125	500	325	38	60	
	30	30	150	100	250	125	25	43	60	22	150	50	14	22	
	45	17	175	125	350	175	30	50	200	38	150	60	14	22	



Construction specifications for Car Elevator

Classification			2000kg						2500kg						3000kg			
			Rope type			Hydraulic type			Rope type			Hydraulic type			Rope type		Hydraulic type	
Load (kg)			2000						2500						3000			
Speed(m/min)			30	45	60	20	30	30	45	60	20	30	30	45	20	30		
Electric motor capacity(k/w)			11	15	22	24	37	15	18.5	30	29	37	18.5	22	37	48		
Overhead(mm)			4200		4400	3800		4200		4400	3800		4200		3800			
Pit Depth (mm)			1500						1500						1500			
Electric Facilities 220V / 380V	Building MCCB Capacity (A)	S.P	100/75	100/75	125/75	225/125	300/175	100/75	100/75	150/100	225/125	300/175	125/75	125/75	300/175	400/225		
		D.P	100/75	100/75	175/100	450/250	600/350	100/75	125/100	175/100	450/250	600/350	175/100	175/100	600/350	750/450		
	Building electric transformer (VA)	S.P	11	11	16	75	75	12	14	20	75	75	15	16	75	90		
		D.P	19	19	27	110	140	21	23	34	110	140	26	27	140	180		
	Power cable size (m3)	S.P	22/8	22/8	38/14	80/38	125/50	22/8	22/8	50/22	80/38	125/50	38/14	38/14	125/50	125/50		
		D.P	60/14	60/14	100/22	250/100	325/150	60/14	60/22	100/38	250/100	325/150	60/22	60/22	325/150	* /200		
Earth wire size S.P / D.P (mm²)		14/14			22/38		14/14			22/38		14/14		22/38		22/60		
Car inside dimension (AN x BN)		Normal type	2350 × 5400					2500 × 6200					2500 × 6200					
		Through type																
Hoistway inside size (AH) x BM)	Normal type	S.P	3650 × 5800			3650 × 5800		3800 × 6600			3600 × 6600		3800 × 6600		3600 × 6600			
		D.P	7550 × 5800			7150 × 5800		7850 × 6600			7450 × 6600		7850 × 6600		7450 × 6600			
	Through type	S.P	3650 × 5850			3450 × 5850		3800 × 6650			3600 × 6650		3800 × 6650		3600 × 6650			
		D.P	7550 × 5850			7150 × 5850		7850 × 6650			7450 × 6650		7850 × 6650		7450 × 6650			
M/R inside size (AH x BM)	Normal type	S.P	4050 × 5800			2500 × 2500		4200 × 6600			2500 × 2500		4200 × 6600		2500 × 2500			
		D.P	7950 × 5800			2500 × 5000		8250 × 6600			2500 × 5000		8250 × 6600		2500 × 5000			
	Through type	S.P	4050 × 5850			2500 × 2500		4200 × 6650			2500 × 2500		4200 × 6650		2500 × 2500			
		D.P	7950 × 5850			2500 × 5000		8250 × 6650			2500 × 5000		8250 × 6650		2500 × 2500			
Elevator		Car	No existence			No existence		No existence			No existence		No existence		No existence			
Door type		Design	2 panel upsliding					2 panel upsliding					2 panel upsliding					
Elevator		Width (EW)	2350					2500					2500					
Door type		Height (EH)	1800					1800					1800					
Reaction (kg)	M / R	Normal type	Ra	14300	15300	9000		18400	20000	10300		24500	13100					
			Rb	7700	7800	600		9000	9800	500		12200	700					
		Through type	Ra	17800	19100	9000		23000	25000	10300		30600	13100					
			Rb	9600	9700	600		11200	12200	500		15200	700					
	PIT	Normal type	Rc	23000	31000	31700		32500	42500	36000		46100	51000					
			Rw	18000	26000	11100		26000	3700	12100		36700	19100					
		Through type	Rc	28700	38700	31700		40600	53100	36000		57600	51000					
			Rw	22500	22500	32500		32500	46000	12100		45900	19100					

Note

1. Hoistway size and machine room must be considered as per inclination of building.

For carry and repair of machine, entrance of machine room must be installed above 900(Width) x 2100(Height).

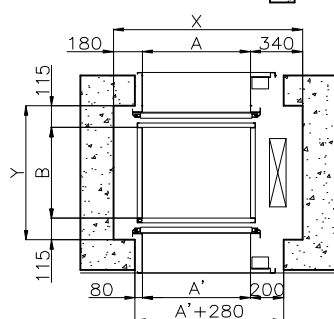
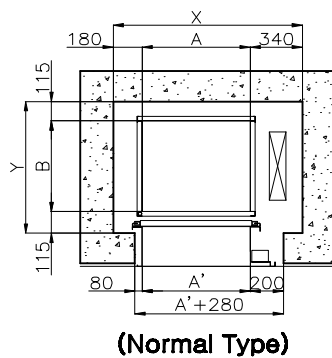
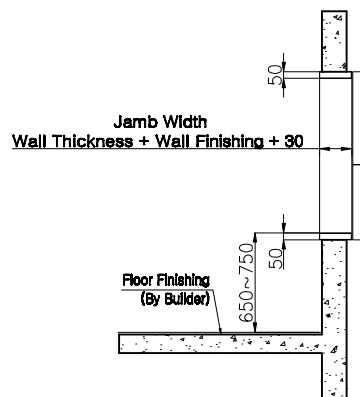
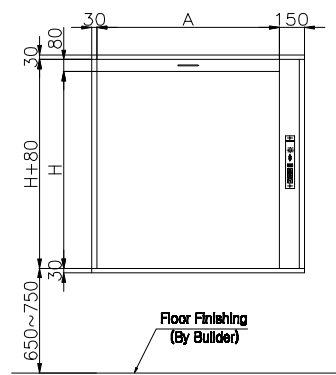
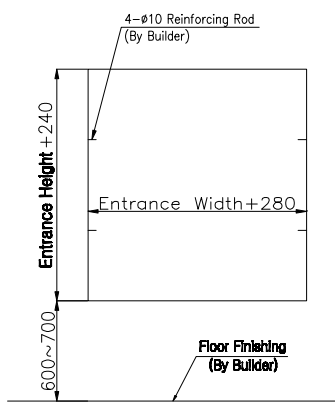
2. To prevent a flood of machine room, door sill must be installed above 150mm.

3. Please ask for us in case that a service wire of electrical facilities is above 50m.

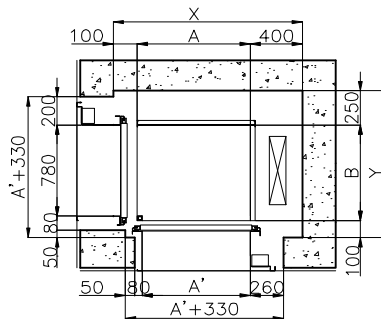
Technical Data

Dumbwaiter

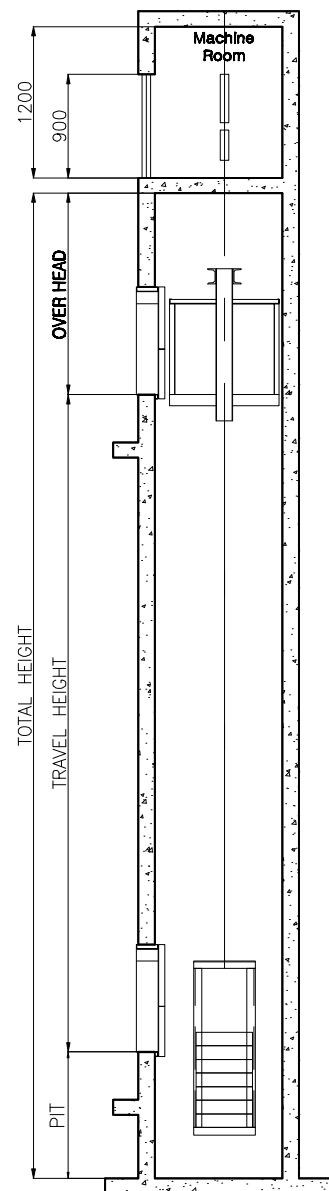
Construction specifications for Dumbwaiter (Window type)



(Through Type)



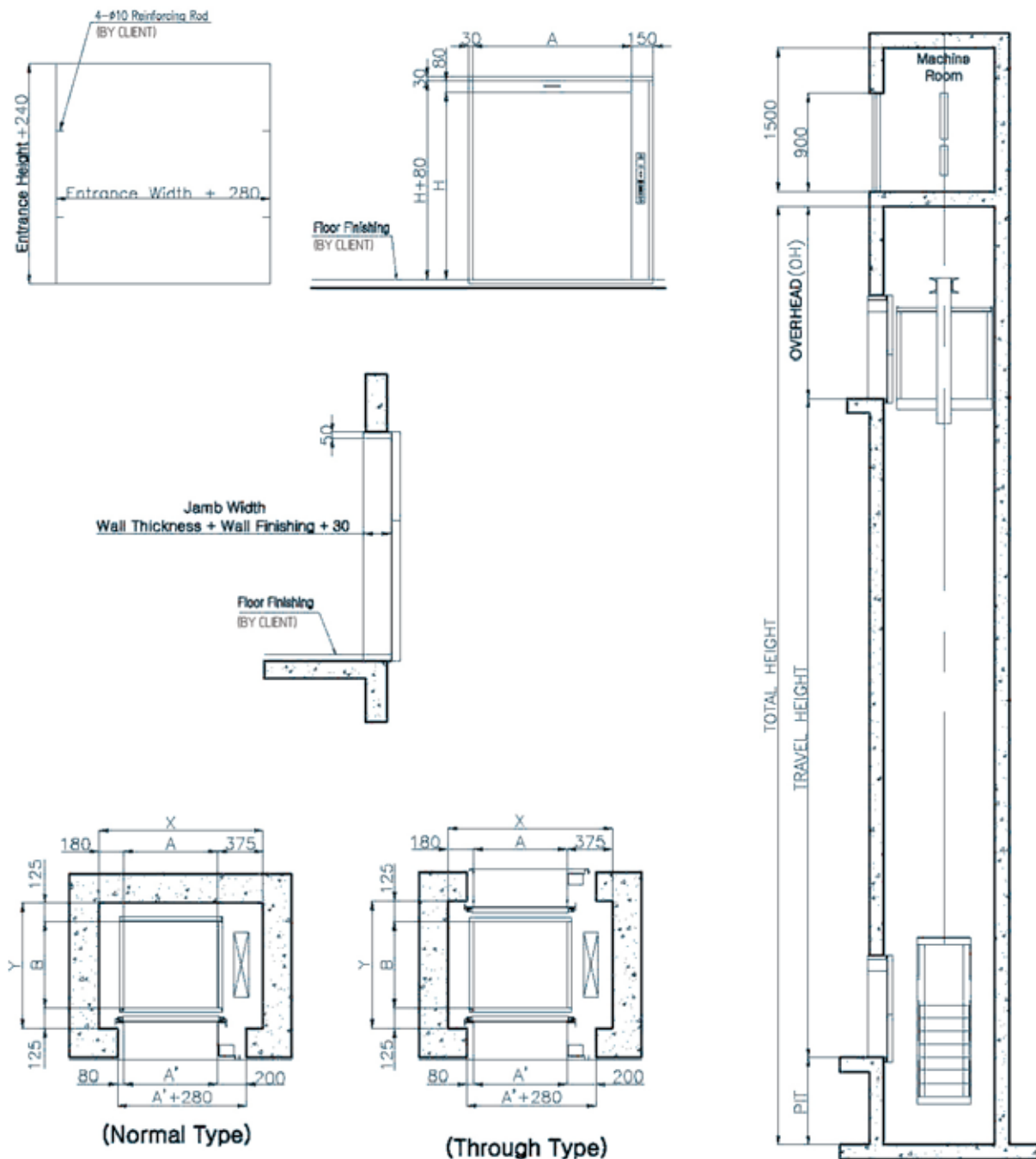
(Left Angle Through Type)



(Unit : mm)

Load (kg)	Speed (m/min)	Entrance size		Car inside size Width x Height	Minimum hoistway size	Overhead	Pit
		Width	Height				
50	30	550	750	550 X 550	1150 X 780	1650	650
				600 X 600	1200 X 870		
80	30	600	800	600 X 600	1200 X 830	1750	650
				650 X 650	1250 X 920		
100	20	700	900	700 X 700	1300 X 930	1900	700
				750 X 750	1350 X 1020		
150	20	850	1000	850 X 850	1450 X 1200	2050	700

Construction specifications for Dumbwaiter (Floor type)



(Unit : mm)

Load (kg)	Speed (m/min)	Entrance size		Car inside size Width x Height	Minimum hoistway size	Overhead	Pit
		Width	Height				
		A	H				
200	20	1000	1200	1000 X 1000	1650 X 1250	2800	750
300	20	1000	1200	1000 X 1000	1650 X 1250	2800	750