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ABA ABIA STATE, NIGERIA
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Jl.Anggrek,Rosliana V11 No.2B. Kemanggisan,
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Tel: 21-5366-1061 M)0811-137-983
Fax: 21-532-9480 e-mail: jet_elevator@yahoo.com

DAESUNG IDS

I HEAD OFFICE & FACTORY I

156-14, Chilbongsan-ro 228beon-gil, Yangju-si,
Gyeonggi-do, Korea
TEL : +82 2 2633 6466 FAX : +82 31 858 6466
E-mail : daesungids@dsids.com

www.dsids.com
Scan QR code with smart phone

DSIDS
DAESUNG INDUSTRIAL SYSTEMS CO.,LTD.

www.dsids.com

DAESUNG IDS

Elevator & Escalator

DSIDS HISTORY

1990's

1992 Established DAESUNG Industrial Systems
1993 Registered Elevator Business
1996 Started exporting Elevator & Control Panel

2000's

2000 Introduced DS Series Control
2002 DS-VF was completely developed
Certified ISO9001
Initiated in Korea Elevator Service Co-Operative.
Registered Specialized Contractor for Elevator
Established DAESUNG IDS Inc.
2004 Registered Business of Mechanical Parking Systems
2006 Obtained KS Mark Certificate
2007 Obtained MRL (EN81 Code) K Mark Certificate, the first in Korea.
2009 DAESUNG Remote Control Elevator Systems developed completely

2010's

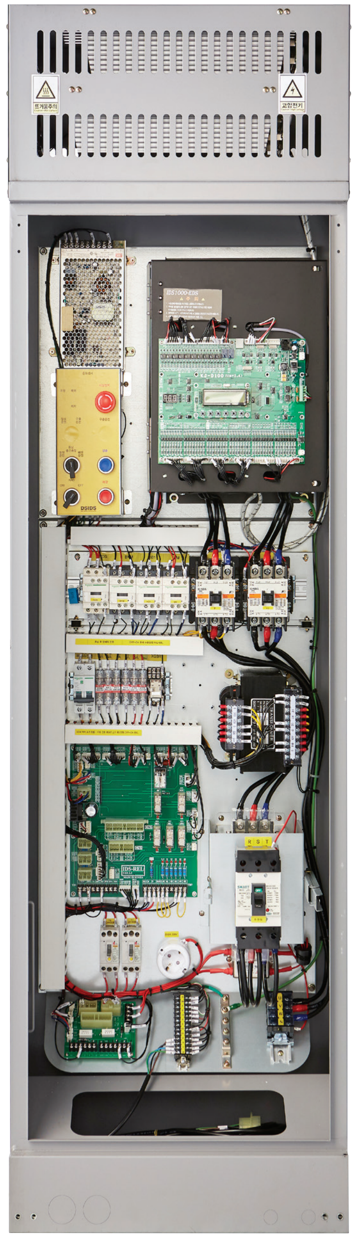
2010 DAESUNG Remote Control Elevator Systems developed completely
Patent for Elevator Remote Control Systems was registered.
2011 Factory and Office were relocated to Yangju City.
2012 The Elevator Test Tower (50M) completed Obtained ISO 14001
2013 Emergency Call Systems for Elevator was completely developed.
Registered the patent of Elevator Emergency Call System
Obtained SASO (Saudi Standards, Metrology and Quality Organization) Certificate
Obtained CE (DS-D7) Certificate
Obtained CE (DS-VFP-Y) Certificate
KC and Patent Registered for ELP 1000 and ELP2000, ELP 400
2014 Obtained Safety and Health OHSAS 18001: 2007 Certificate
Awarded Export Promising Business Company
2016 Obtained Elevator Manufacturing Certificate
2017 Selected as Korea Government Performance Assured Company
Obtained Certificate of Patent for Elevator Drive Support
2018 Adopted Smart Factory System

CERTIFICATE

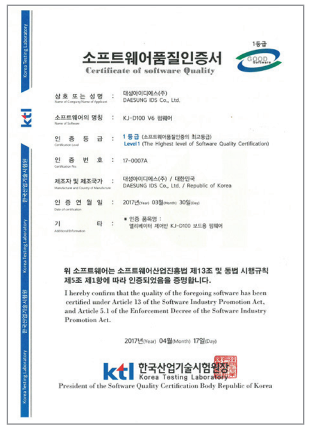
CE (DS-D7)
CE (DS-VFP-Y)
ISO9001
ISO14001
OHSAS18001
SASO
GOST-K
INNO-BIZ Certificate
DS-F100 (11, 15, 30KW)
DS-F200 (7.5KW)
DS-VFC (11, 12KW)
DS-Y100 (7.5, 11KW)
CE (IDS-7000)
Patent of Elevator remote control system
Patent of Elevator emergency Call System

MR, MMR MODEL Machine Room type

IDS 7000



▶ Certificate of Software Quality



1등급

GOOD Software

소프트웨어품질인증서
Certificate of software Quality

상호 또는 성명 Name of Company/Name of Applicant	:	대성아이디에스(주) DAESUNG IDS Co., Ltd.
소프트웨어의 명칭 Name of Software	:	KJ-D100 V6 펌웨어
인증등급 Certification Level	:	1 등급 (소프트웨어품질인증의 최고등급) Level 1 (The Highest level of Software Quality Certification)
인증번호 Certification No.	:	17-0007A
제조자 및 제조국가 Manufacturer and Country of Manufacture	:	대성아이디에스(주) / 대한민국 DAESUNG IDS Co., Ltd. / Republic of Korea
인증연월일 Date of certification	:	2017년(Year) 03월(Month) 30일(Day)
기타 Additional Information	:	▪ 인증 품목명 : 엘리베이터 제어반 KJ-D100 보드용 펌웨어

위 소프트웨어는 소프트웨어산업진흥법 제13조 및 동법 시행규칙 제5조 제1항에 따라 인증되었음을 증명합니다.

I hereby confirm that the quality of the foregoing software has been certified under Article 13 of the Software Industry Promotion Act, and Article 5.1 of the Enforcement Decree of the Software Industry Promotion Act.

2017년(Year) 04월(Month) 17일(Day)

ktl 한국산업기술시험원장 Korea Testing Laboratory

President of the Software Quality Certification Body Republic of Korea

▶ SPECIFICATIONS

• Number of floors	64 floors
• Power Supply	3 phase 220V~480V
• Frequency	50/60Hz (Applicable to low frequency motors)
• Output Power	3 phase 130V~480V (Applicable to low roltage motors)
• Speed	30~180M/MIN
• Operation System	Rope
• Communication System	CAN Communication (distributed control)
• Detection System	Encoder (500/8192 Pulse) sine cosine
• Floor Indicator	Dot Matrix
• Usage	Passenger

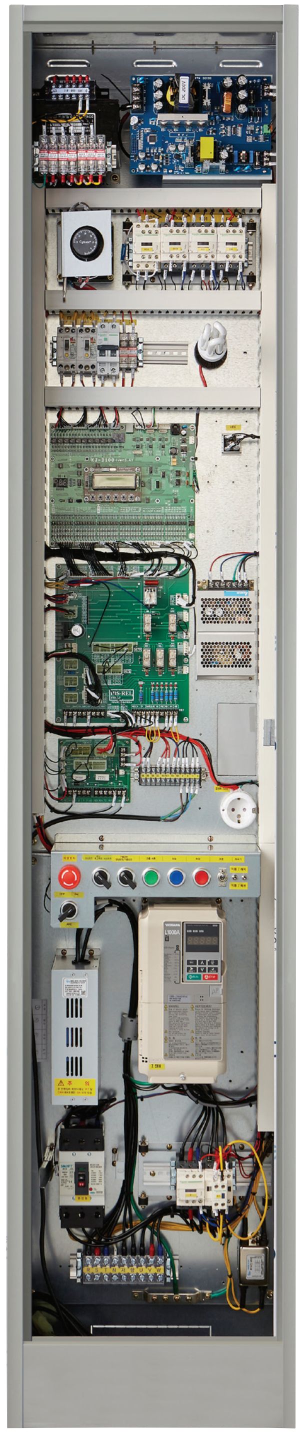
▶ FEATURE

Obtain Certificate of Software Quality for the fist time among Korean elevator companies

- MMR (gearless motor), the most comfortable riding quality without load cell.
- Distributed Control (CAN Communication)
- Error Detection of operation, recording of malfunction.
- Operator only for microcontroller is equipped as a standard.
- 8Car Group control
- Fireman Only Operation
- Short deceleration section for optimum driving
- Static auto-tuning

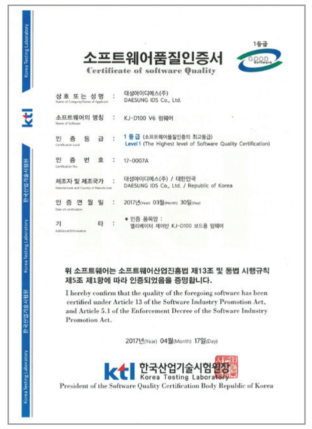
MRL MODEL Machine Room Less

IDS 1000



C.P SIZE : H2100xW450xD230

▶ Certificate of Software Quality



1등급

GOOD Software

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Certificate of software Quality

상호 또는 성명 Name of Company/Name of Applicant : 대성아이디에스(주) DAESUNG IDS Co., Ltd.
소프트웨어의 명칭 Name of Software : KJ-D100 V6 펌웨어
인증등급 Certification Level : 1 등급 (소프트웨어품질인증의 최고등급) Level 1 (The Highest level of Software Quality Certification)
인증번호 Certification No. : 17-0007A
제조자 및 제조국가 Manufacturer and Country of Manufacture : 대성아이디에스(주) / 대한민국 DAESUNG IDS Co., Ltd. / Republic of Korea
인증연월일 Date of certification : 2017년(Year) 03월(Month) 30일(Day)
기타 Additional Information : ▪ 인증 품목명 : 엘리베이터 제어반 KJ-D100 보드용 펌웨어

위 소프트웨어는 소프트웨어산업진흥법 제13조 및 동법 시행규칙 제5조 제1항에 따라 인증되었음을 증명합니다.

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2017년(Year) 04월(Month) 17일(Day)

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President of the Software Quality Certification Body Republic of Korea

▶ SPECIFICATIONS

• Number of floors	64 floors
• Power Supply	3 phase 220V~440V
• Frequency	50/60Hz
• Speed	30~180M/MIN
• Operation System	Rope
• Communication System	CAN Communication (distributed control)
• Detection System	Encoder (2048/8192 Pulse)
• Floor Indicator	Dot Matrix
• Usage	Passenger/Freight

▶ FEATURE

Obtain Certificate of Software Quality for the fist time among Korean elevator companies

- MMR (gearless motor), the most comfortable riding quality without load cell.
- Distributed Control (CAN Communication)
- Error Detection of operation, recording of malfunction.
- Operator only for microcontroller is equipped as a standard.
- 8Car Group control
- Fire Only Operation
- Short deceleration section for optimum driving
- Static auto-tuning

Regenerative brake unit

Save electricity
• 30~40% of electric power usage of the existing elevators

Prevent heating
• Temperature reduction effect of machine room by not using resistance braking device
• Save energy by not using the additional ventilation fan and the fan air conditioner

Recoup the investment
• Initial investment cost recovery within 2~3 years by excellent energy saving effect

Reduce failure
• Stable operation with high frequency elimination by the built-in reactor and the noise filter
• High-quality power generation close to sine wave through SVPWM control
• Improved braking torque (from 125 to 150%)

Anion

Maintain a comfortable indoor condition(optional) by air cleaning function(negative ion generator)

Cage Design (Standard)

IDS-P10

Ceiling : CD-009
Wall : Stainless Hairline Etching or Mirror Etching
Car Doors : Stainless Hairline Etching or Mirror Etching
Operating Panel : OPP-002
Flooring : DECOTILE

IDS-P30

Ceiling : CD-011
Wall : Stainless Hairline Etching or Mirror Etching
Car Doors : Stainless Hairline Etching or Mirror Etching
Operating Panel : OPP-002
Flooring : DECOTILE

IDS-P20

Ceiling : CD-012
Wall : Stainless Hairline Etching or Mirror Etching
Car Doors : Stainless Hairline Etching or Mirror Etching
Operating Panel : OPP-002
Flooring : DECOTILE

IDS-P40

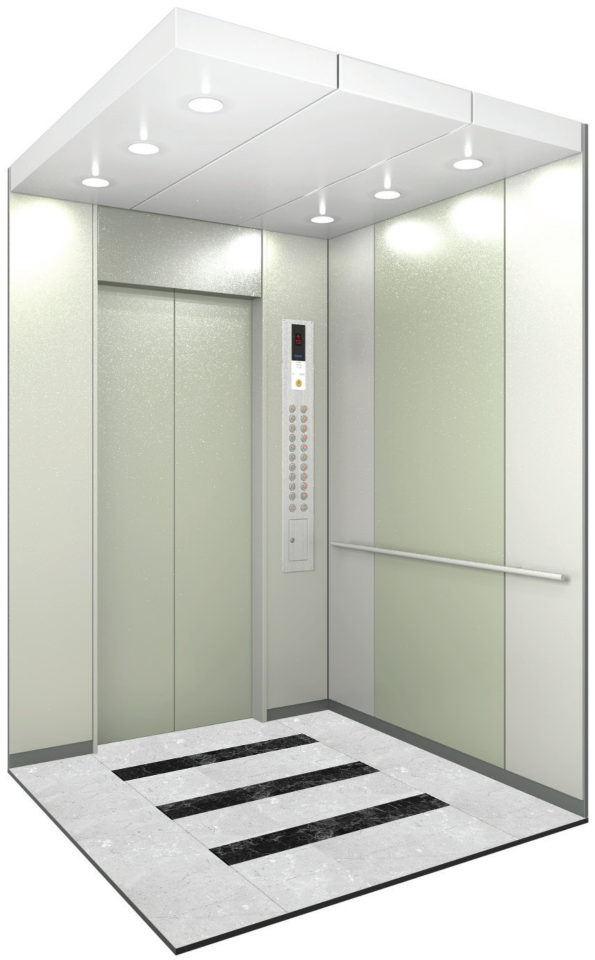
Ceiling : CD-009
Wall : Stainless Hairline Etching or Mirror Etching
Car Doors : Stainless Hairline Etching or Mirror Etching
Operating Panel : OPP-002
Flooring : DECOTILE

IDS-P50

Ceiling : LED + Painted Steel
Wall : Painted Steel
Car Doors : Painted Steel
Operating Panel : OPP-002
Flooring : DECOTILE

IDS-P70

Ceiling : LED + Painted Steel
Wall : Painted Steel
Car Doors : Painted Steel
Operating Panel : OPP-002
Flooring : DECOTILE



Cage Design (Standard)

IDS-P60

Ceiling : CD-012
Wall : Stainless Hairline
Car Doors : Stainless Hairline
Operating Panel : OPP-002
Flooring : DECOTILE

IDS-P90

Ceiling : CD-009
Wall : Stainless Hairline Etching or Mirror Etching
Car Doors : Stainless Hairline Etching or Mirror Etching
Operating Panel : OPP-002
Flooring : DECOTILE

Cage Design (Modern)

CFT-P10

CAGE DESIGN

Ceiling : CD-003
Wall : Stainless Mirror Etching
Car Doors : Stainless Mirror Etching
Flooring : DECOTILE

ENTRANCE DESIGN

Door : Stainless Mirror Etching
Jamb : Stainless Mirror

Cage Design (Modern)

CFT-P20

CAGE DESIGN

Ceiling : CD-007
Wall : Stainless Mirror Etching
Car Doors : Stainless Mirror Etching
Flooring : DECOTILE

ENTRANCE DESIGN

Door : Stainless Mirror Etching
Jamb : Stainless Mirror

Cage Design (Standard)

CFT-P30

CAGE DESIGN

Ceiling	: CD-005
Wall	: Stainless Hairline + Black Line
Car Doors	: Black Line
Flooring	: DECOTILE

ENTRANCE DESIGN

Door	: Black Line
Jamb	: Stainless Hairline

Cage Design (Premium)

CFT-P40

CAGE DESIGN

Ceiling	: CD-004
Wall	: Stainless Vibration+ Mirror
Car Doors	: Stainless Vibration
Flooring	: DECOTILE

ENTRANCE DESIGN

Door	: Stainless Vibration
Jamb	: Stainless Vibration

Cage Design (Standard)

CFT-P100

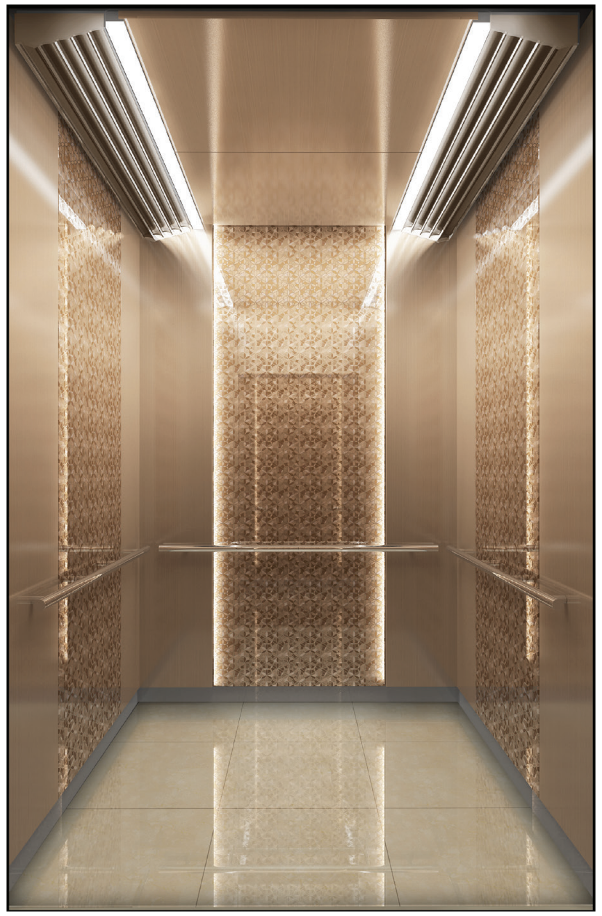
CAGE DESIGN

Ceiling	: V-Cube/ LED / V-Hairline
Wall	: V-Cube/ Stainless Mirror LED / V-Hairline / Stainless Hairline
Car Doors	: V-CUBE
Flooring	: DECOTILE

ENTRANCE DESIGN

Door	: V-Cube
Jamb	: Stainless Hairline

Cage Design (Standard)



CFT-P200

CAGE DESIGN

Ceiling	: Aluminum / LED / Polycarbonate
Wall	: Hairline Color / LED/ Circle Pattern
Car Doors	: Circle Pattern
Flooring	: DECOTILE

ENTRANCE DESIGN

Door	: Circle Pattern
Jamb	: Stainless Hairline

Cage Design (Premium)

CFT-P300

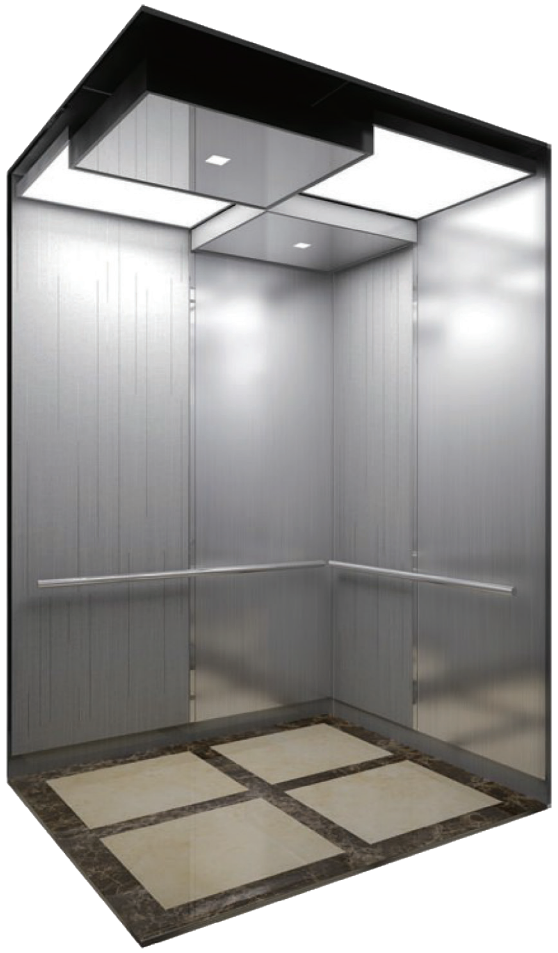
CAGE DESIGN

Ceiling : LED/Aluminum
Wall : Stainless Steel Mirror
Etching Ti-Gold
Ti-Steel Vibration Gold
Car Doors : Stainless Steel Mirror
Ti-Gold
Flooring : DECOTILE

ENTRANCE DESIGN

Door : Ti-Steel Vibration Gold
Jamb : Stainless Hairline

Cage Design (Premium)



CFT-P400

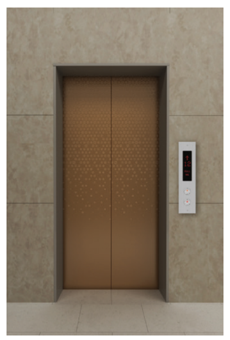
CAGE DESIGN

Ceiling : LED/Stainless Steel
Mirror /Painted Steel
Wall : Stainless Steel Hairline
Ti-Steel(Rain) / Stainless
Steel Mirror Trim
Car Doors : Ti-Steel(Rain)
Flooring : DECOTILE

ENTRANCE DESIGN

Door : Ti-Steel(Rain)
Jamb : Stainless Steel Hairline

Flame Pattern



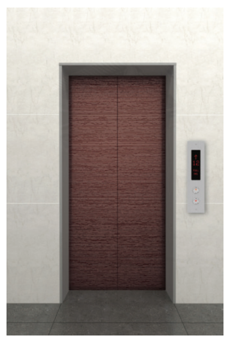
Flame Pattern

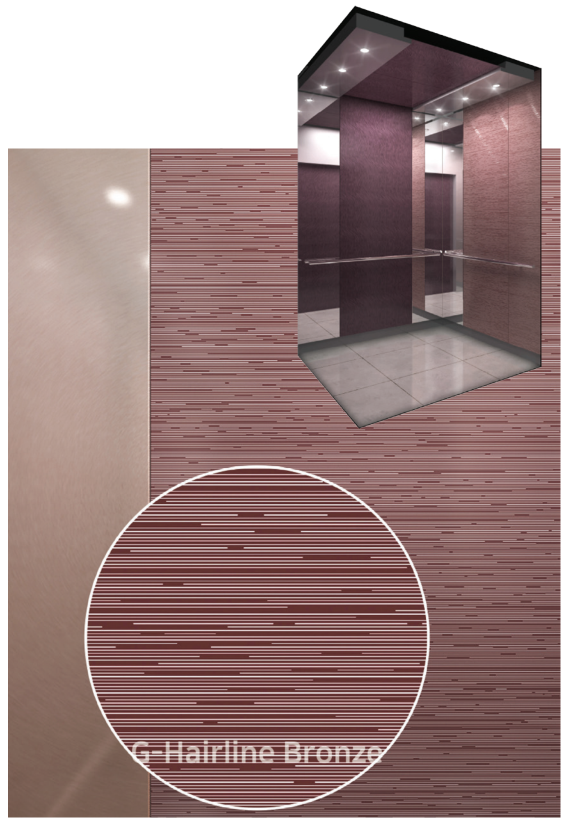
CAGE DESIGN

Ceiling	:	Painted Steel / Arcyalic / LED
Wall	:	Flame Pattern / STS Bead Black / G-Hairline Silver STS Mirror
Car Doors	:	Hanabi
Handrail	:	1 Pipe
Flooring	:	DECOTILE

Jamb(G)	:	STS Mirror
Jamb(T)	:	STS Hairline
Door(G)	:	Flame Pattern
Door(T)	:	Flame Pattern

G-Hairline Bronze





G-Hairline Bronze

CAGE DESIGN

Ceiling	:	STS Mirror / G-Hairline Bronze / LED Light
Wall	:	G-Hairline Bronze / T-Steel / T-Steel / STS Mirror
Car Doors	:	Hanabi
Handrail	:	1 Pipe
Flooring	:	DECOTILE

Jamb(G)	:	STS Bead
Jamb(T)	:	STS Hairline
Door(G)	:	G-Hairline Bronze
Door(T)	:	G-Hairline Bronze

Observation Lift

CFT-P1000

CAGE DESIGN

Ceiling : CD-006
Wall : Stainless Hairline Etching or Mirror Etching + glass
Car Doors : Stainless Hairline Etching or Mirror Etching + glass
Flooring : DECOTILE

ENTRANCE DESIGN

Door : Stainless Hairline or MirrorEtching + glass
Jamb : Stainless Hairline or Mirror

Observation Lift

CFT-P1000

CAGE DESIGN

Ceiling : CD-006
Wall : Stainless Hairline Etching or Mirror Etching + glass
Car Doors : Stainless Hairline Etching or Mirror Etching + glass
Flooring : DECOTILE

ENTRANCE DESIGN

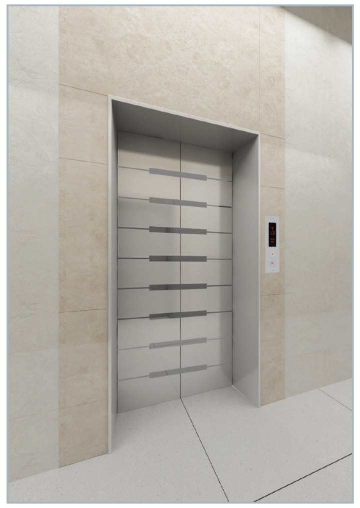
Door : Stainless Hairline or Mirror Etching + glass
Jamb : Stainless Hairline or Mirror

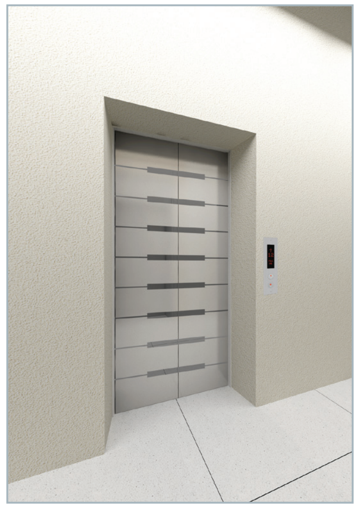
Observation Lift

JAMB | Stainless Hairline or Mirror

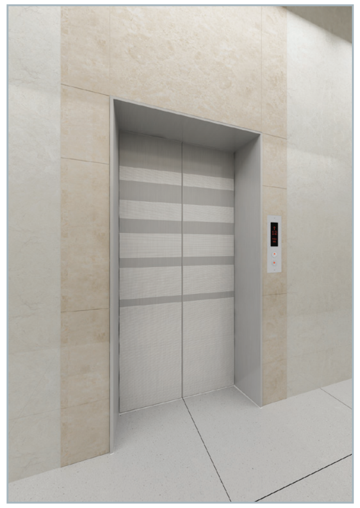
DOOR | Stainless Hairline (Etching), Mirror (Etching)

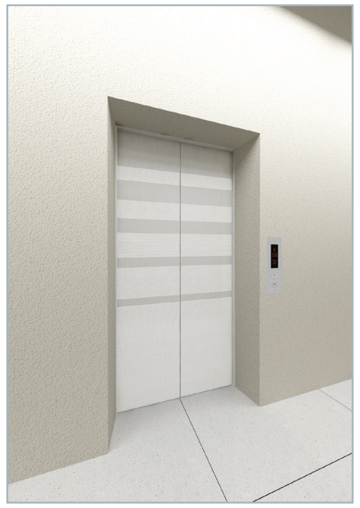

Ground Floor


Ground Floor

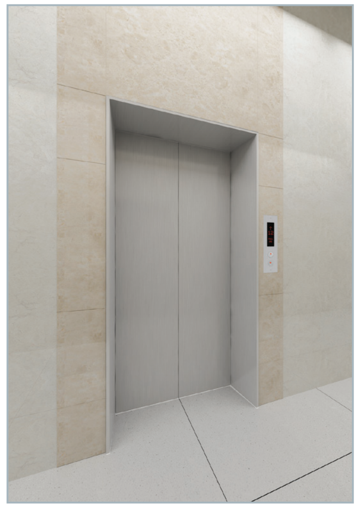

Other Floor

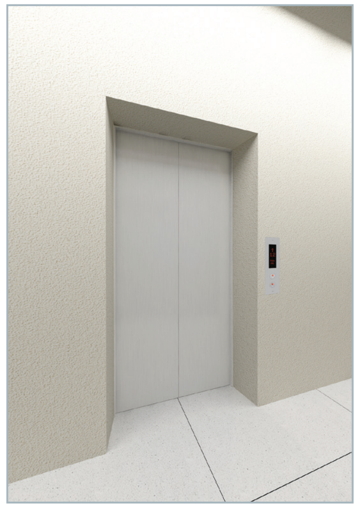

Ground Floor


Ground Floor


Other Floor


Ground Floor


Ground Floor


Other Floor

Bed Elevator

CTF-B1000

CAGE DESIGN

Ceiling : Stainless Hairline
Wall : Stainless Hairline Etching or Mirror Etching
Car Doors : Stainless Hairline Etching or Mirror Etching
Flooring : DECOTILE

ENTRANCE DESIGN

Door : Stainless Hairline or Mirror Etching
Jamb : Stainless Hairline

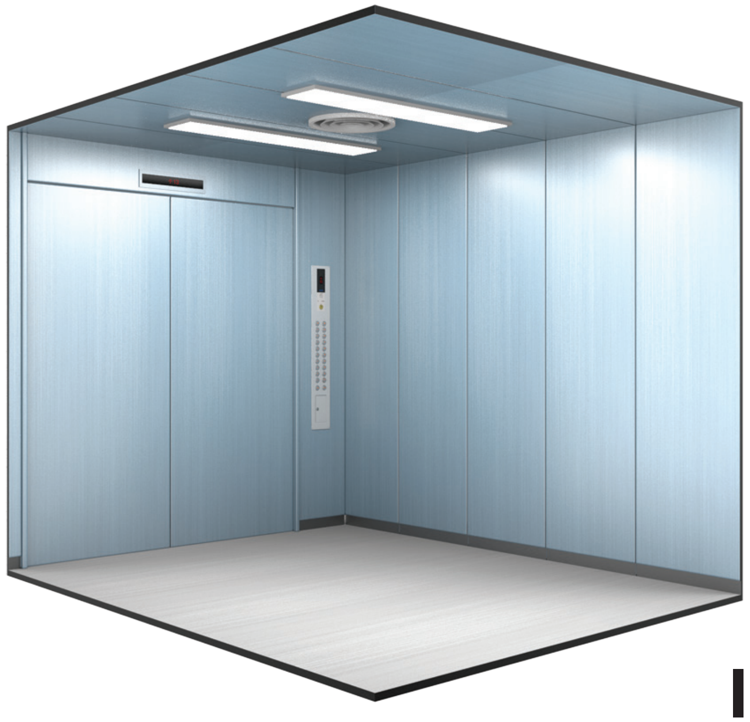
IDS-F100

CAGE DESIGN

Ceiling : Stainless Hairline or Painted Steel
Wall : Stainless Hairline or Painted Steel
Car Doors : Stainless Hairline or Painted Steel
Flooring : Stainless Check Plate

ENTRANCE DESIGN

Door : Stainless Hairline or Painted Steel
Jamb : Stainless Hairline or Painted Steel



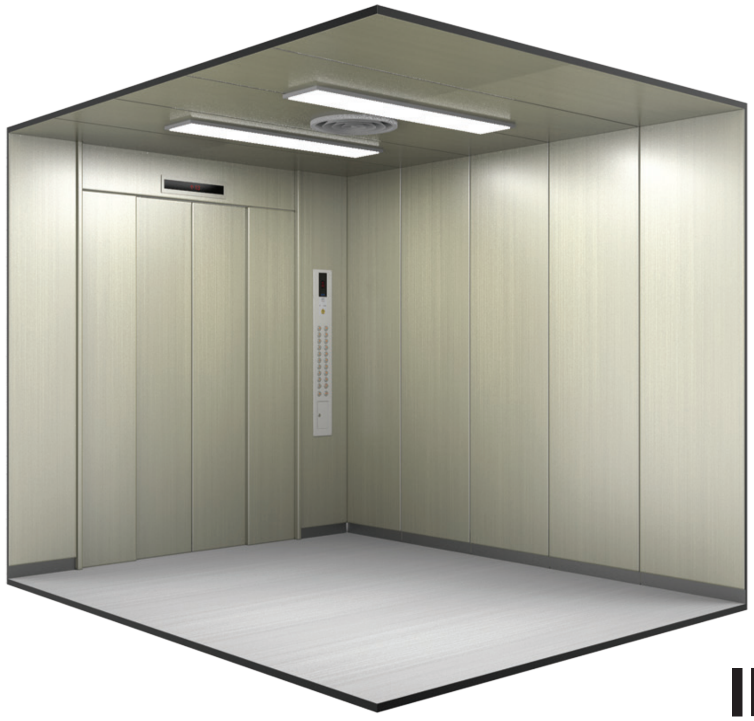
IDS-F200

CAGE DESIGN

Ceiling : Stainless Hairline or Painted Steel
Wall : Stainless Hairline or Painted Steel
Car Doors : Stainless Hairline or Painted Steel
Flooring : Stainless Check Plate

ENTRANCE DESIGN

Door : Stainless Hairline or Painted Steel
Jamb : Stainless Hairline or Painted Steel



IDS-F300

CAGE DESIGN

Ceiling : Stainless Hairline or Painted Steel
Wall : Stainless Hairline or Painted Steel
Car Doors : Stainless Hairline or Painted Steel
Flooring : Stainless Check Plate

ENTRANCE DESIGN

Door : Stainless Hairline or Painted Steel
Jamb : Stainless Hairline or Painted Steel

IDS-F400

CAGE DESIGN

Ceiling : Stainless Hairline or Painted Steel
Wall : Stainless Hairline or Painted Steel
Car Doors : Stainless Hairline or Painted Steel
Flooring : Stainless Check Plate

ENTRANCE DESIGN

Door : Stainless Hairline or Painted Steel
Jamb : Stainless Hairline or Painted Steel

Ceiling Design


▲ CD-001

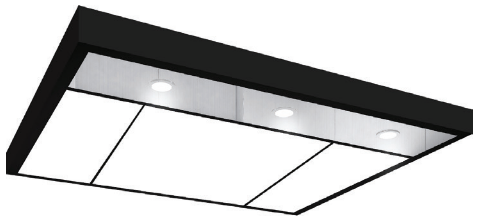

▲ CD-002


▲ CD-003

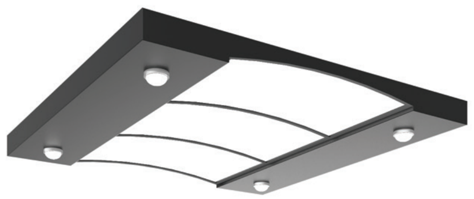

▲ CD-004


▲ CD-005

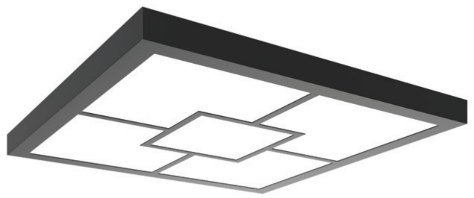

▲ CD-006

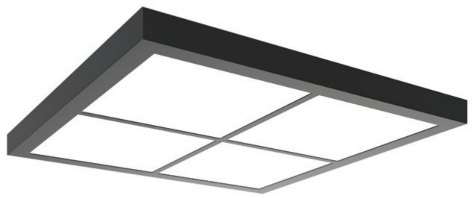

▲ CD-007


▲ CD-008

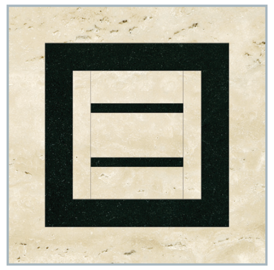

▲ CD-009

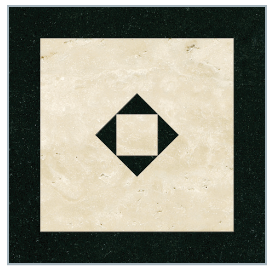

▲ CD-010


▲ CD-011

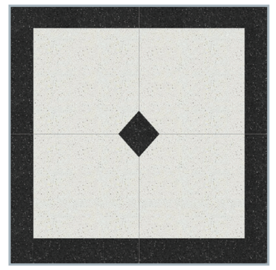

▲ CD-012

Floor Design

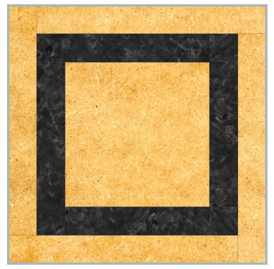

DSF-001


DSF-002


DSF-003


DSF-004


DSF-005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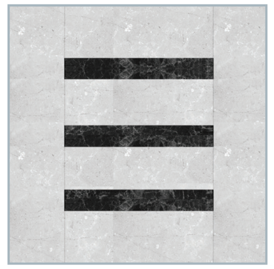
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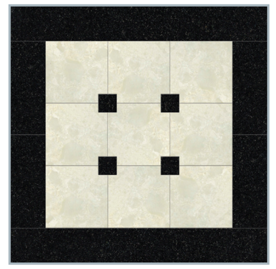
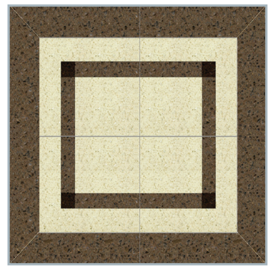

DSF-008


DSF-009


DSF-010


DSF-011


DSF-012

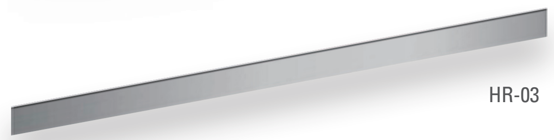
Hand rail Design

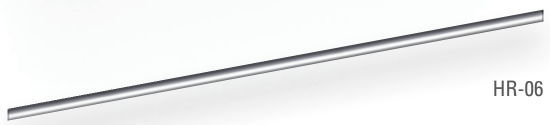

HR-01


HR-04


HR-02


HR-05


HR-03


HR-06

Car Operating Panel

OPP-001 OPP-002 OPP-003 OPP-005 OPP-006

OPB-S10

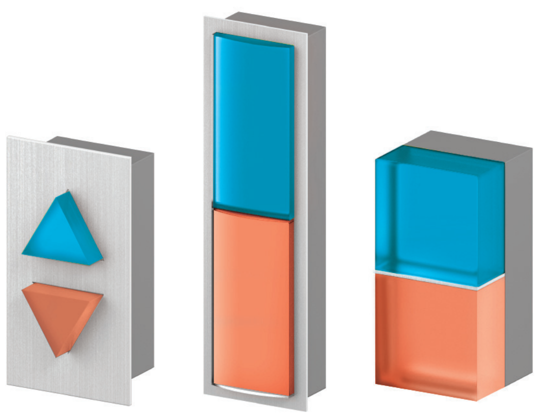
COP-P12

Hall Indicator Button

HIB-P01 HIB-P02 HIB-P07 HIB-P08 HIB-P05 HIB-P06

HB-P01 HB-P02 HB-P07 HB-P08 HB-P05 HB-P06

Lantern



LD-01 LD-02 LD-03

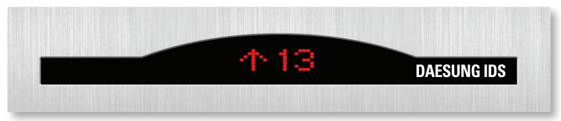
Button

BD-01 BD-02 BD-03 BD-04

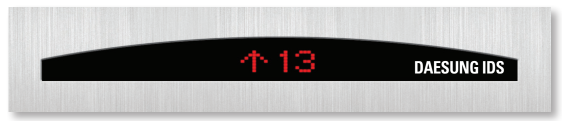
Hall / Car Position Indicator

CPI-C01 / HPI-C01

CPI-C02 / HPI-C02 (Air purifying function)



CPI-C03 / HPI-C03



CPI-C04 / HPI-C04

CPI-C05 / HPI-C05

CPI-C046/ HPI-C06

Typical Entrance layout

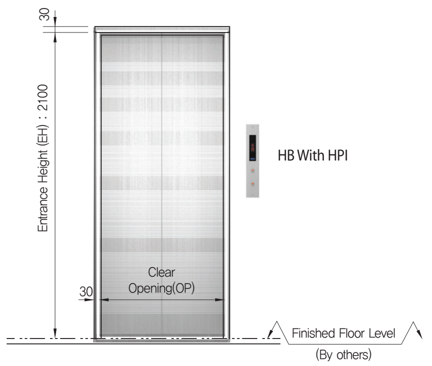
Entrance

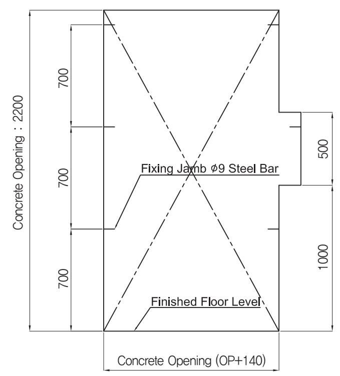
Structural Opening of Entrance

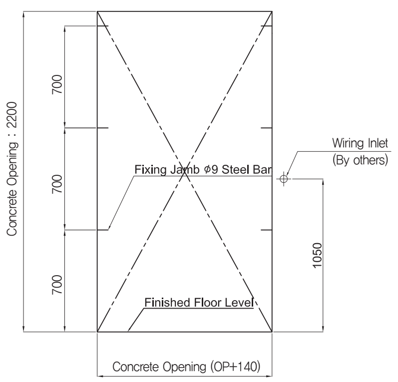
In case of Box Type

In case of Box Type

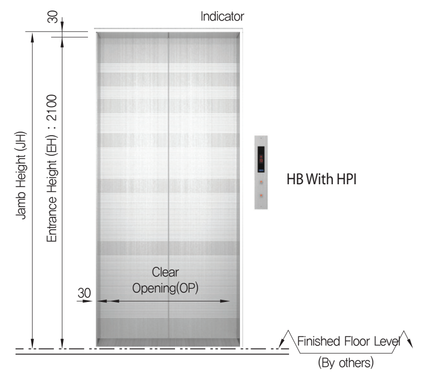
JP050 Type(Basic)

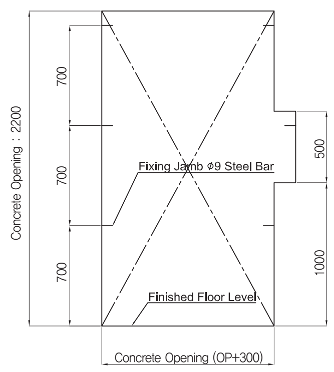


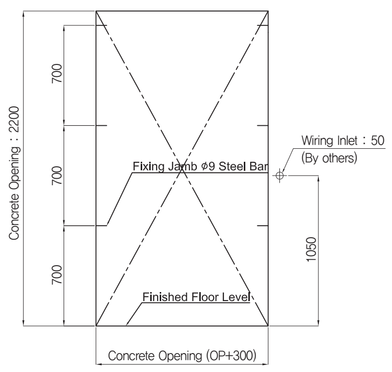




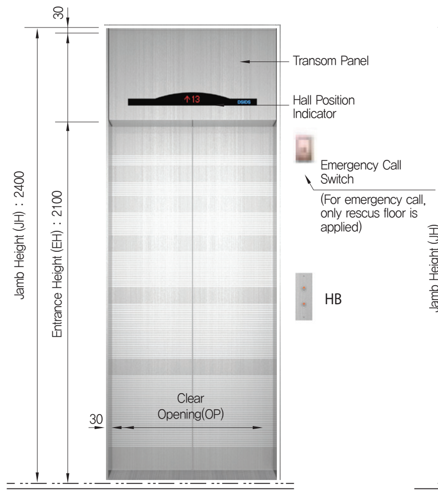
JP100 Type(Optional)

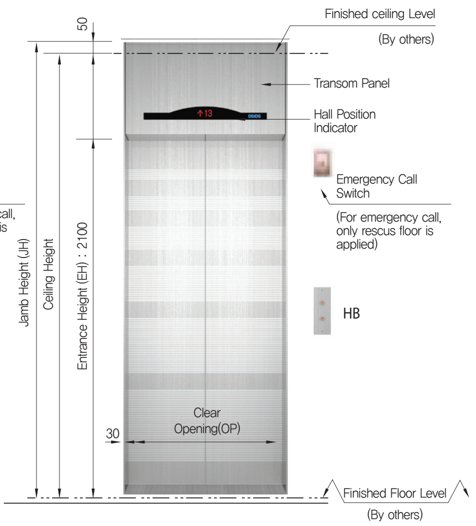


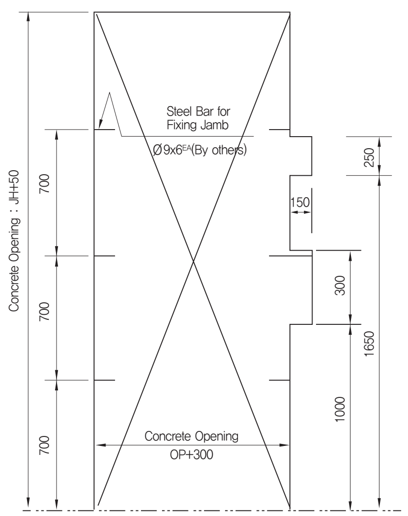




JP200 Type(Optional)

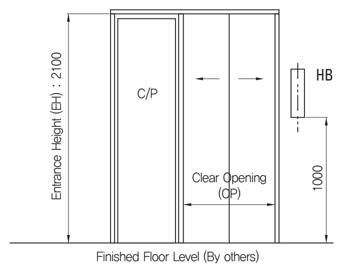






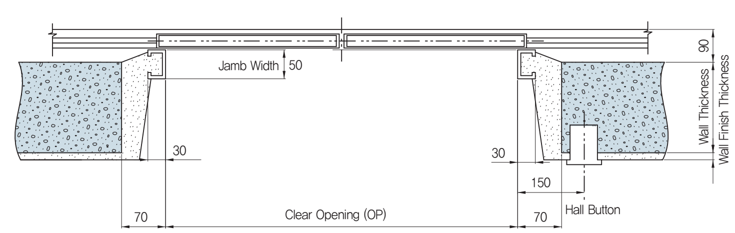
Entrance layout [Center opening]

Plan of Entrance



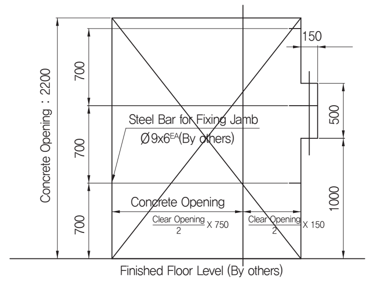
WE-050 Type(Standard)

Plan of Entrance

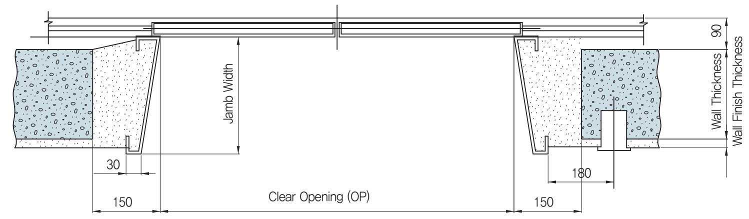


JP050 Type

Structural Opening of Entrance



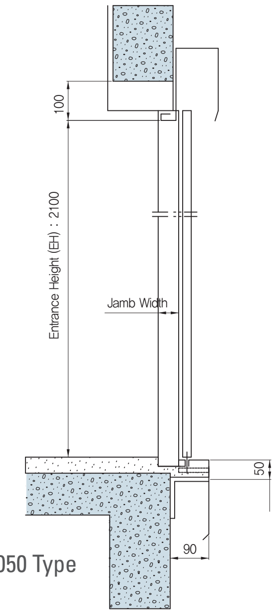
WE-050 Type(Standard)



JP100, JP200 Type

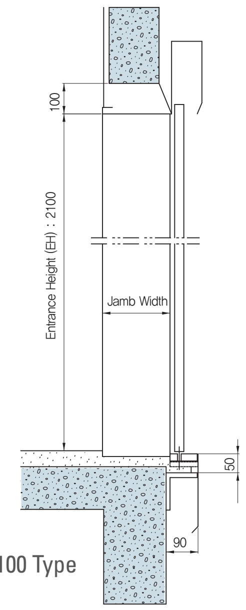
Only for Floor with Control Panel of the Machine-Room-Less Elevators.

Section Entrance



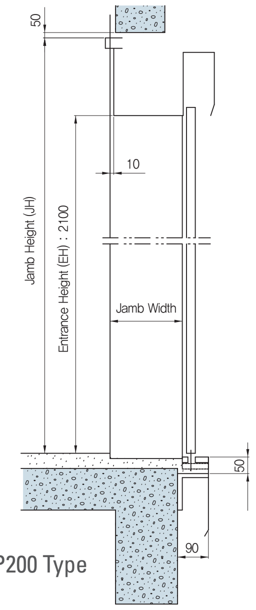
JP050 Type

Section Entrance



JP100 Type

Section Entrance



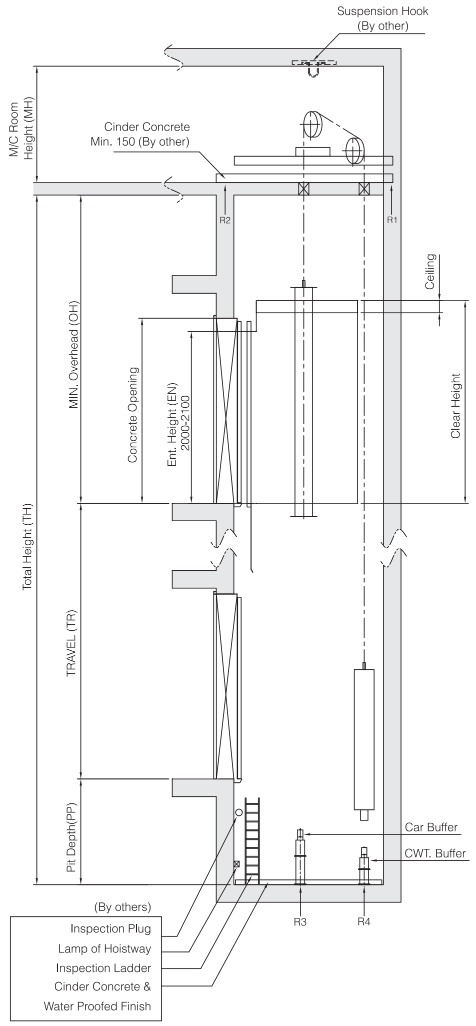
JP200 Type

Building Structure (By other Contractors)

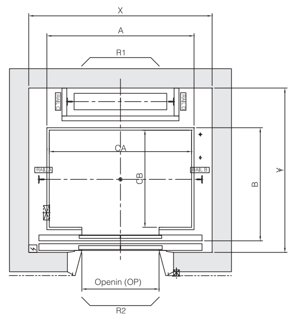
Wall and Floor Finishing(By other Contractors)

Geared Type layout

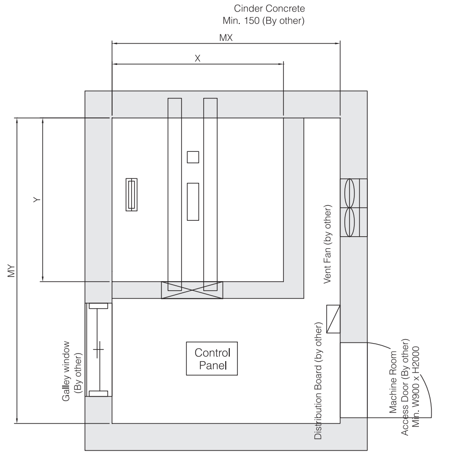
Section & Hoistway



Section & Machine Room



Plan of Hoistway



Unit : mm

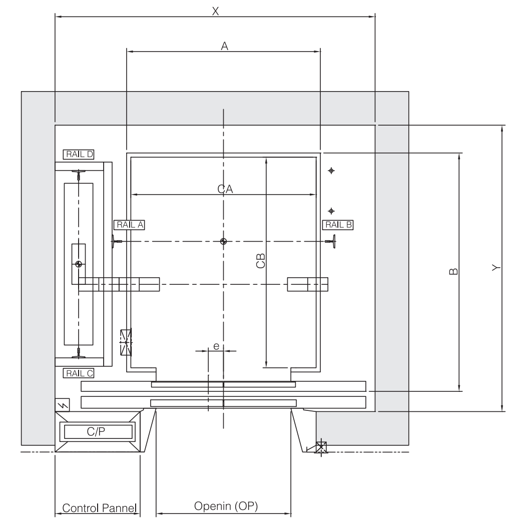
Speed (m/min)	6~24		M/C Room Height (MH)
	Overhead(OH)	Pit(PP)	
60	4200	1350	2200
90	4500	1500	2400
105	4700	1600	2400
120	5000	2000	2600
150	5200	2200	2600

Unit : mm

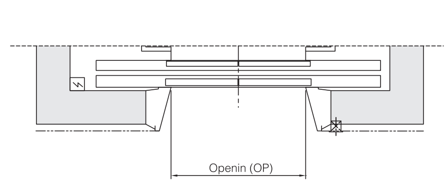
Speed (m/min)	Capacity		Entrance width	CAGE Specification	Inside of hoistway		MR standard		MR reaction force (kg)		Buffer reaction force (kg)	
				Inside	Width	Depth	Width	Depth				
	Passenger	kg	OP	CA X CB	X	Y	MX	MY	R1	R2	R3	R4
60 · 90 · 105	6	450	800	1400 X 850	1800	1450	2000	3200	3600	2000	5400	4500
	8	550	800	1400 X 1030	1800	1650	2000	3400	4050	2250	6000	4900
	9	630	800	1400 X 1130	1800	1700	2000	3500	4100	2450	6300	5100
	10	700	800	1400 X 1250	1800	1850	2000	3600	4200	2700	6800	5400
	11	750	800	1400 X 1350	1800	1950	2000	3700	4550	2800	7100	5600
	13	900	900	1600 X 1350	2050	1950	2300	3750	5100	3750	8100	6300
	15	1000	900	1600 X 1500	2050	2150	2300	3850	5450	4300	8600	6600
	17	1150	1000	1800 X 1500	2350	2200	2600	3900	6600	5100	11000	8700
	20	1350	1000	1800 X 1700	2350	2400	2600	4200	7800	6000	12200	9500
			1100	2000 X 1500	2550	2200	2800	4000				
	24	1600	1100	2000 X 1750	2550	2450	2900	4300	8500	6800	13600	10400
				2150 X 1600	2700	2300	3000	4200				
120 · 150	13	900	900	1600 X 1350	2300	2150	2800	4500	12030	6630	12400	10600
	15	1000	900	1600 X 1500	2300	2300	2800	4700	12810	6950	13300	11300
	17	1150	1000	1800 X 1500	2500	2550	3000	4700	13080	7130	14500	12200
	20	1350	1000	1800 X 1700	2500	2550	3000	5000	114360	7650	16500	13800
			1100	2000 X 1500	2700	2350	3200	4700				
	24	1600	1100	2000 X 1750	2700	2600	3200	5000	15090	8080	18100	14900
				2150 X 1600	2950	2450	3400	4900				

Machine Room Less[MRL] layout

Plan of Hoistway

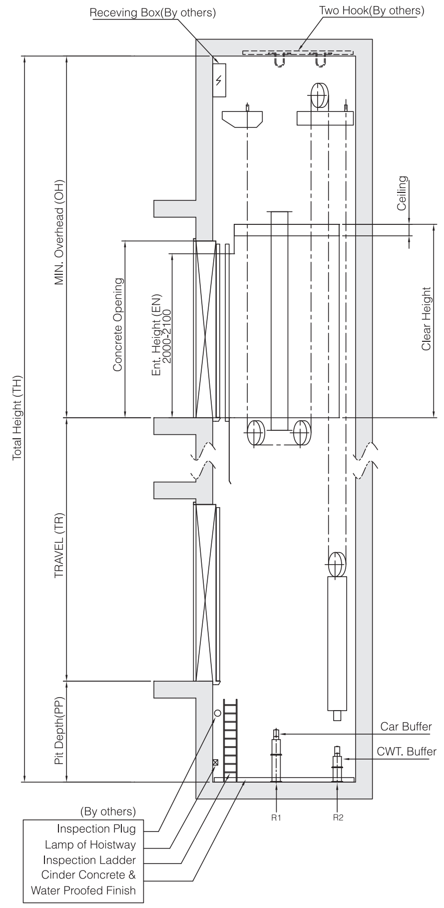


Top Floor [with control panel]



Other Floor

Section & Hoistway



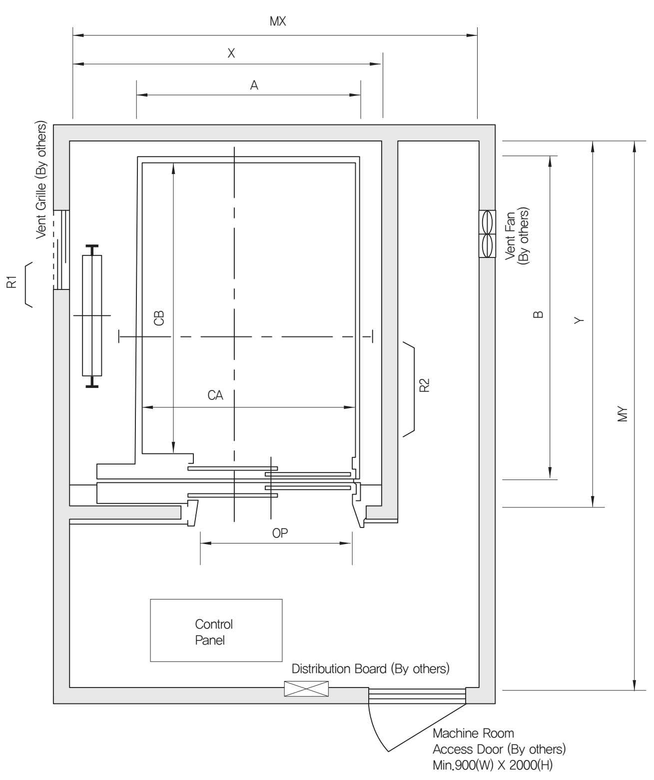
Speed	6~24	
	(m/min)	Pit (PP)
60	3900	1350
90	4000	1500
105	4200	1600

Unit : mm

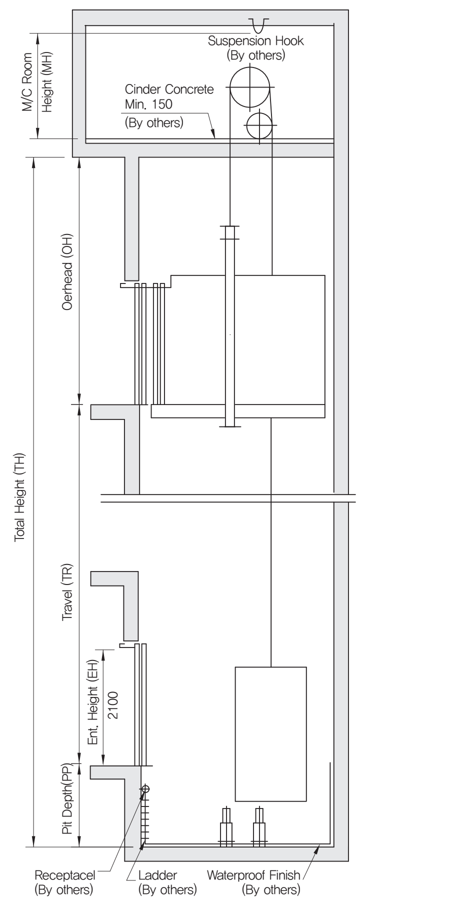
Speed (m/min)	Capacity		Entrance width	CAGE Specification	Inside of hoistway		Buffer reaction force (kg)	
				Inside	Width	Depth		
	Passenger	kg	OP	CA X CB	X	Y	R1	R2
60 · 90 · 105	6	450	700	1000 X 1200	1750	1550	5400	4500
	8	550	800	1100 X 1250	1900	1600	6500	5400
		550	800	1100 X 1250	1800	1600	6500	5400
	9	630	800	1100 X 1400	1900	1800	6800	5600
		630	800	1100 X 1400	1800	1800	6800	5600
	11	750	800	1300 X 1400	2050	1800	7600	6100
	13	900	900	1600 X 1350	2200	1800	8400	6600
	15	1000	900	1600 X 1400	2200	1800	8900	6900
	17	1150	1000	1800 X 1400	2500	1800	11800	9500
	20	1350	1000	1800 x 1600	2650	2400	13400	10700
	24	1600	1100	2000 x 1700	2850	2500	14200	11000

Hospital Bed Elevators

Section & Hoistway



Section & Hoistway



Unit : mm

Speed (m/min)	Overhead (OH)	Pit (PP)	M/C Room Height (MH)
30, 45	4400	1200	2200
60	4600	1500	
90	4800	1800	2400
105	5000	2100	

NOTE

1. Machin room temperature should be maintained below 40℃ with wentilating fan and/or air conditioner, If it is possible, keep humidity under 90%
2. In case of special hoistway, machine room height may be higher than size below.
3. The size below is minimum.

Unit : mm

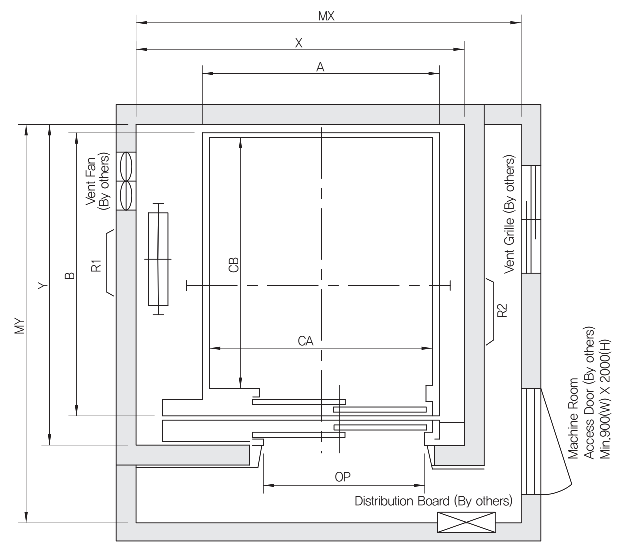
Type	Model	Speed (m/min)	Clear Opening	Car		Hoistway	M/C Room	M/C Room Reaction (kg)	
				Internal	External				
			OP	CA x CB	A x B	X x Y	MX x MY	R1	R2
Standard Type	B750-2S	30,45	1100	1300X2300	1360X2490	2050X2850	2300X3500	5790	3450
		60						5900	3750
	B1000-2S	30,45	1200	1500X2500	1560X2692	2300X3050	2750X4000	6500	3700
		60						6800	4100
Double Entrance Type	B750-2SD	30,45	1100	1300X2300	1360X2634	2050X3000	2300X3500	5790	3450
		60						5900	3700
	B1000-2SD	30,45	1200	1500X2500	1560X2834	2450X3200	2750X4000	9300	3700
		60						9500	4100

NOTE

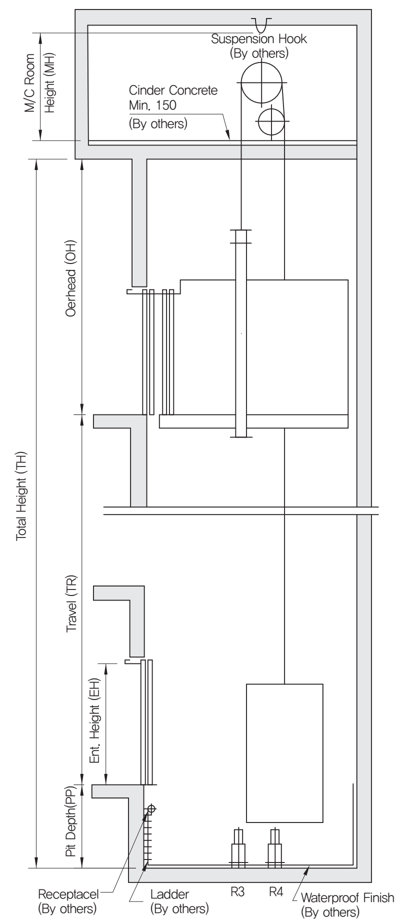
1. When non-standard capacities and dimensions are required, consult Deasung.
2. Above dimensions are applied to standard door only. In case fire protection door is applied, hoistway size for 1 car should be added 100mm to X dimension.

Freight Elevators

PIT & MR Plan



PIT Sectional View



Unit : mm

Speed (m/min)	Pit (PP)	M/C Room Height (MH)
30, 45	1250	2400
60	1500	2600

NOTE

1. You take the circumstance into construction because this standard size is minimum size.
2. Refer to standard & Reaction table when you check overhead height.
3. If traction machine is double-protection against dust, MR minimum size is 2800mm

Unit : mm

Model	Speed (m/min)	Entrance standard			Car		PIT standard		MR standard	MR reaction force (kg)		Buffer reaction force (kg)	
		Door Open type	WidthxHeight (OP x EH)	Enter type	Internal	External	X x Y	Overhead (OH)	MX x MY				
					CA x CB	A x B				R1	R2	R3	R4
F0750-2S	30 45 60	2S	1100 x 2100	Standard Type	1700 x 1650	1800 x 1857	2500 x 2150	4800	2800 x 3200	6200	4100	5000	4300
						1800 x 1989	2500 x 2320						
F1000-2S	30 45 60	2S	1400 x 2100	Standard Type	1850 x 1850	1950 x 2078	2750 x 2400	4800	3200 x 3500	8500	5700	7100	6100
						1950 x 2226	2750 x 2600						
F1500-2S	30 45 60	2S	1700 x 2100	Standard Type	2100 x 2500	2200 x 2728	3000 x 3050	4800	3600 x 4000	10800	7100	9000	7500
						2200 x 2876	3000 x 3250						
F2000-2S	30 45 60	2S	1700 x 2100	Standard Type	2300 x 2700	2400 x 2928	3300 x 3250	4800	3800 x 4200	13300	8800	11400	9400
						2400 x 3076	3300 x 3450						
F2000-2U	30 45 60	2U	2300 x 2100	Standard Type		2400 x 2898	3300 x 3250	4600	3800 x 4200	13300	8800	11400	9400
						2400 x 3016	3300 x 3490						
F2500-2S	30 45 (60)	2S	1800 x 2100	Standard Type	2500 x 3000	2600 x 3228	3500 x 3600	4800	4000 x 4400	15100	10000	13200	10700
						2600 x 3376	3500 x 3750						
F2500-2U	30 45 (60)	2U	2500 x 2100	Standard Type		2600 x 3198	3500 x 3600	4600	4000 x 4400	15100	10000	13200	10700
						2600 x 3316	3500 x 3800						
F3000-2U	30 45	2U	2700 x 2300	Standard Type	2700 x 3300	2800 x 3498	3700 x 3900	4800	4200 x 4800	15200	10100	13500	10500
						2800 x 3616	3700 x 4100						
F3500-2U	30 45	2U	2800 x 2500	Standard Type	2800 x 3800	3020 x 3998	4050 x 4400	5000	4300 x 5200	21700	14500	19000	15500
						3020 x 4116	4050 x 4600						
F4000-3U	25 30	3U	3000 x 2800	Standard Type	3000 x 4500	3220 x 4758	4250 x 5250	5300	4500 x 5900	32500	21700	28700	23700
						3220 x 4936	4250 x 5520						
F5000-3U	25 30	3U	3200 x 3300	Standard Type	3200 x 5000	3420 x 5258	4450 x 5750	5500	4700 x 6400	36000	23000	31700	26700
						3420 x 5436	4450 x 6020						

NOTE

1. Pleas contact if loading capacity is over 500kg or is nonstandard
2. Loading capacity is at least over 250kg/m2
3. Declared reaction fore can be changed, according to location of MR
4. Please contact if you need penetration elevator

EscalatorDesign

30° / 35° Public Traffic Type Escalator

Exterior Design

1 Handrail Design : Vertical Glass / inclined Stainless Steel Banister
2 Handrail Bracket : Aluminum Alloy / Stainless Steel Hairline Finish
3 Handrail : Sulfurized Black Rubber Ring-Bell inserting with steel wire rope (other colors, except black is optional)
4 Exterior / interior Panel or Deck : Stainless Steel Hairline Finish
5 Skirt Board : Stainless Steel Board coated with Teflon.
6 Step : Cast Aluminum / Stainless Steel.
7 Security sign of step : yellow plastic Safety boarder.
8 Landing Board : Rameed antislip stainless steel sheathing.
9 Operation Panel : Red emergency stop button and key switch for up and down.
10 Lighting under step : Green fluorescent lamp.

30° Heavy Duty Public Traffic Type Escalator

Main Specification

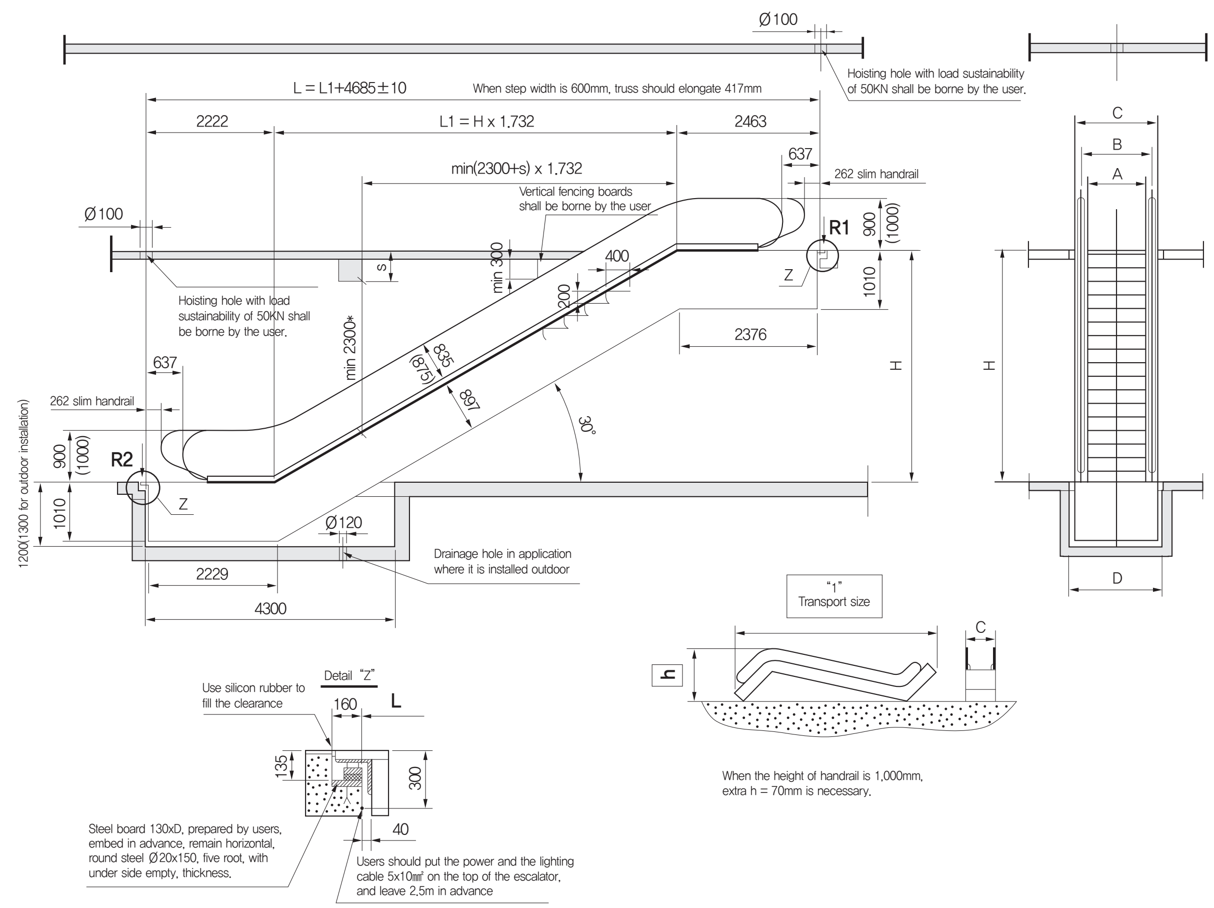
1 Installation Place : Indoor / Semi-Outdoor / Out door
2 Transit / Running Time : 24hrs / day
3 Vertical Height : 3~24m
4 Inclination : 30°m
5 Step Width : 800 / 1,000mm
6 Horizontal step : 4 steps
7 Upside curvature radius of escalator steps : 3,000mm
8 Rated Speed : 0.5m / sec, 0.62m / sec.
9 Delivery Capacity : 0.5m / sec : 4,800 / 6,000 People / hr
0.62m / sec : 5,900 / 7,300 People / hr
10 Power Supply : 3 phase, 380 / 440V, 50 & 60Hz
11 Lighting Power : 1 phase, 220V, 50 & 60Hz

30° / 35° Common & Slim Type Escalator

Exterior Design

1 Handrail Design : Vertical Glass with toughened security glass of 10min for Common and Slim type
2 Handrail Bracket : Aluminum Alloy / Stainless Steel Hairline Finish
3 Handrail : Sulfurized Black Rubber Ring-Bell inserting with steel wire rope (other colors, except black is optional)
4 Exterior / interior Panel or Deck : Stainless Steel Hairline Finish
5 Skirt Board : Stainless Steel Board coated with Teflon.
6 Step : Rammed Stainless Steel.
Black electrophoresis paint, yellow security border.
7 Security sign of step : yellow polycarbonate security boundary.
8 Landing Board : Rameed antislip stainless steel sheathing.
9 Operation Panel : Red emergency stop button and key switch for up and down.
10 Lighting under step : Green fluorescent lamp.

Escalator | 30° Standard Type [Slim Type]



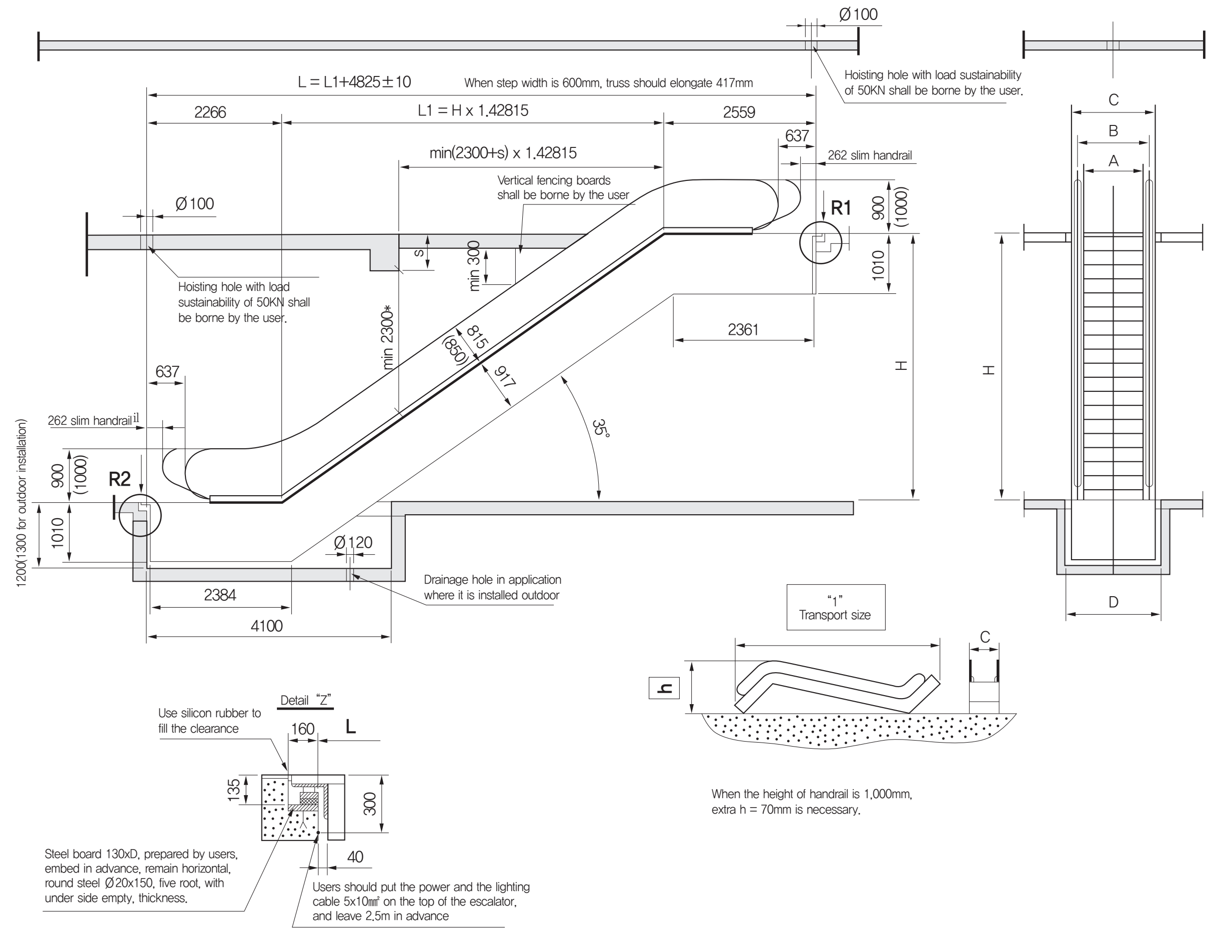
Unit : mm

Model	A	B	C	D	E
MPL30-600	600	838	1140	1200	18500
MPL30-800	800	1038	1340	1400	16900
MPL30-61000	1000	1238	1540	1600	15700

Unit : mm

Model	MPL30-600(4500people/hour)				MPL30-800(6750people/hour)				MPL30-1000(9000people/hour)				Transport size	
Tavelling height (mm)	Net height (KN)	Supporting load R1	Supporting load R2	Motor power (KW)	Net height (KN)	Supporting load R1	Supporting load R2	Motor power (KW)	Net height (KN)	Supporting load R1	Supporting load R2	Motor power (KW)	h	l
3000	57	46	41	5.5	59	52	47	5.5	63	59	53	5.5	2750	10900
3500	60	49	44	5.5	63	56	50	5.5	67	64	57	5.5	2780	11890
4000	64	52	47	5.5	67	60	54	5.5	71	68	61	7.5	2810	12880
4500	68	56	50	5.5	71	64	57	7.5	75	73	65	7.5	2830	13870
5000	71	59	53	5.5	74	68	60	7.5	83	79	71	11	2840	14860
5500	75	62	56	7.5	82	74	66	8	87	84	75	11	2860	15860
6000	79	65	59	7.5	85	78	69	11	92	88	79	11	2870	16850

Escalator | 35° Standard Type [Slim Type]



Unit : mm

Model	A	B	C	D	E
MPL35-600	600	838	1140	1200	18500
MPL35-800	800	1038	1340	1400	16900
MPL35-61000	1000	1238	1540	1600	15700

Unit : mm

Model	MPL30-600(4500people/hour)				MPL30-800(6750people/hour)				MPL30-1000(9000people/hour)				Transport size	
Tavelling height (mm)	Net height (KN)	Supporting load R1	Supporting load R2	Motor power (KW)	Net height (KN)	Supporting load R1	Supporting load R2	Motor power (KW)	Net height (KN)	Supporting load R1	Supporting load R2	Motor power (KW)	h	l
3000	54	43	39	5.5	56	49	44	5.5	60	56	50	5.5	2850	10180
3500	57	46	41	5.5	60	52	47	5.5	65	60	53	5.5	2890	11030
4000	60	49	41	5.5	63	56	50	5.5	67	64	57	7.5	2920	11890
4500	64	52	46	5.5	66	59	53	7.5	71	67	60	7.5	2940	12750
5000	67	54	49	5.5	70	62	56	7.5	74	71	64	11	2970	13610
5500	70	57	51	7.5	73	65	59	8	82	77	69	11	2980	14470
6000	73	60	54	7.5	76	69	61	11	85	81	72	11	3000	15330