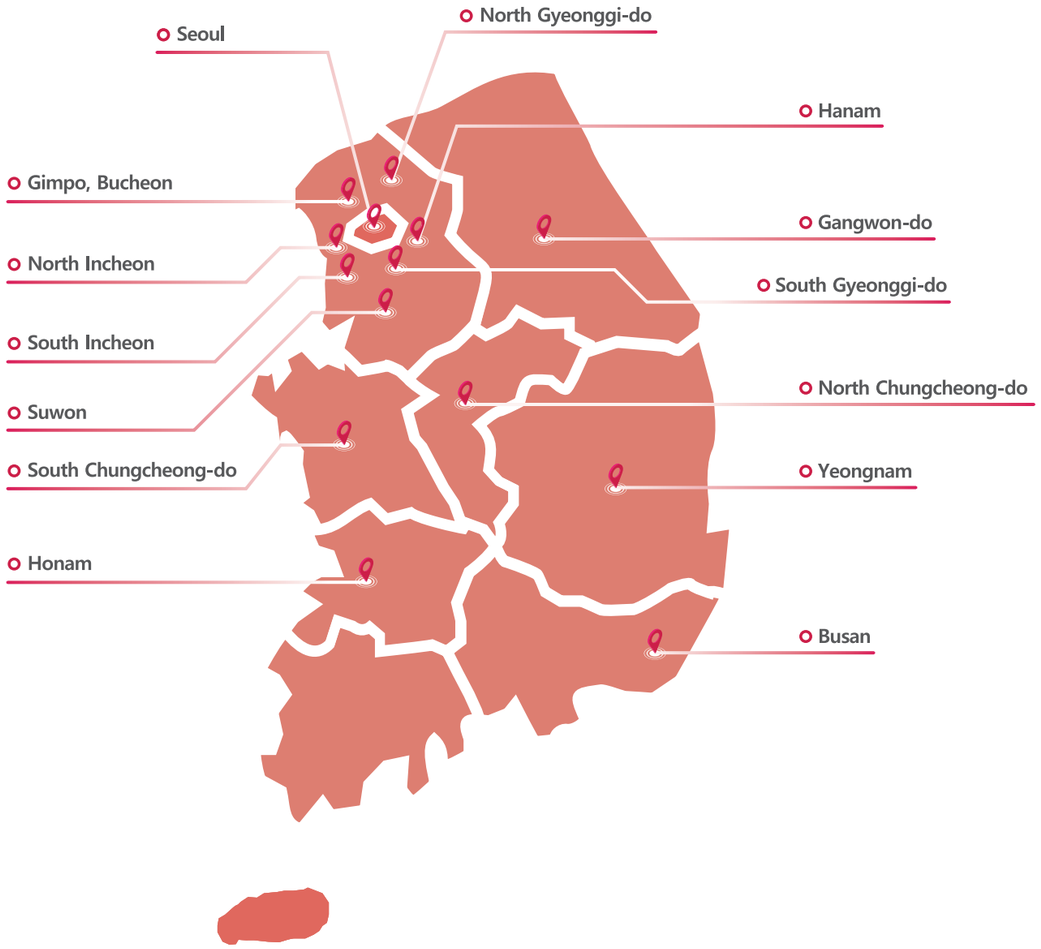
Our Service Region



A1 ELEVATOR

OFFICE

Seoul : 141, Songpa-daero, Songpa-gu

Gyeonggi-do : #318, Block B, 135, Misagangbyeonhangang-ro, Hanam-si

TEL : 02-2039-7966

FACTORY

24, Majung 3-ro, Seo-gu, Incheon, Republic of Korea

TEL : 032-721-7967

WEB. www.a1ev.kr

A1 ELEVATOR

BUSINESS TIME LINE

2021.09
Established A1 ELEVATOR

2021.10
Obtained ISO 9001, ISO 14001 certification

2022.01
Obtained Certificate of Start-up Company

2022.03
Registerd as a professional construction business

2022.04
- Relocated manufactory from Geochang, Gyeongnam to Seogu, Incheon
- Registered with Public Procurement Service

2022.05
- Registered as a Elevator Manufacturing Business
- Obtained Factory Registration Certificate (Seogu, Incheon)
- Estabilished Corporate Research Institute (KOITA)

2022.06
Obtained Certificate of Direct Production Verification

2022.07
- "BESPOKE ELEVATOR" model patent registration (KIPO)
- Patent registration "Elevating System Comprising Filter Module" (KIPO)
- Patent registration "Elevator Structure with Detachable Interior Panel" (KIPO)

2022.08
Selected as a venture company by Korea Venture Business Association

2023.03
Singed an "Development of an Elevator Safety Device" MOU with the KOELSA

2023.06
Patent registration "Bridge Installation Structure Connecting Overpass and Elevator" (KIPO)

2023.07
Patent registration "Method And Computer Readable Medium for Elevator Safety System" (KIPO)

2023.11
- Patent registration "Elevating System Sensing the Boarding Space" (KIPO)
- jointly developed "Overcapacity volume detection sensor, MANTA GO" with the KOELSA

2024.04
Registered as a partner of TKE



"A1 ELEVATOR, An Icon of Innovation and Trust"

CEO of A1 ELEVATOR, **Jeong Seong-hyun**

About Us

Trust We build trust by delivering reliable and safe elevator solutions

Gratitude We show our gratitude by prioritizing customer satisfaction

Excellence We strive for excellence by continuously improving our products and services to meet the highest standards of quality.

As one of the fastest-growing elevator companies specializing in passenger and freight elevators and escalators, we provide efficient and innovative mobility solutions.

From design through the entire product lifecycle, we work closely with our customers, offering tailored maintenance service including periodic preventive inspections, parts replacement and repair work, and replacement work to meet their needs.

Our high-quality products maximize user safety and space efficiency, delivering reliable and trusted solutions.

In keeping with evolving trends in urban architecture, A1 Elevator strives to offer the fastest, most convenient, and safest mobility experiences.
We aim to enhance the value of buildings with sophisticated designs and a range of amenities.

We promise unwavering quality, safety, and service anytime and anywhere, and we are committed to delivering solutions that exceed our clients' expectations.

BESPOKE ELEVATOR



Front view

Product Features

Ease of Use	Customizable with detachable panels
Safety	Superior service in monitoring panel
Distinctiveness	Custom specifications for each elevator
Aesthetic	Trendy art space



Rear view

AMBIENT ELEVATOR



Front view

Product Features

Concept	Platinum Edition Combination of light, sound, and scent
Light	Light On Edition Sensory-moving light throughout the cabin
Sound	Sound On Edition Customizable music combined with lighting
Scent	Scent On Edition Scent Harmonized with light and sound



Rear view

PREMIUM ELEVATOR



GOLD



BRONZE



BROWN



BLACK

A1-01

이미지는 실제 제품과 약간의 차이가 있을 수 있습니다.

Note
The printed image might be different than the actual design.
There may be a variance in car wall pattern depending on car size and capacity.

Car Design

Ceiling	CEA1-A1
Car-Wall	STS Mirror + Bead Blast STS Bead Blast
Car-Door	STS Bead Blast
Handrail	Handrail-01
Floor	Engineered Stone



Front View



Rear View

Entrance Design

Door (G)	STS Bead Blast
Jamb (G)	STS Hairline
Door (T)	STS Bead Blast
Jamb (T)	STS Hairline



- CEA1-01
- STS Bead Blast
- Engineered Stione





A1-02

이미지는 실제 제품과 약간의 차이가 있을 수 있습니다.

Note
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Car Design

Ceiling	CEA1-A2
Car-Wall	STS Mirror + Vibration STS Vibration + LED
Car-Door	STS Vibration + Mirror
Handrail	Handrail-01
Floor	Marble



Front View



Rear View

Entrance Design

Door (G)	STS Vibration + Mirror
Jamb (G)	STS Vibration
Door (T)	STS Vibration + Mirror
Jamb (T)	STS Vibration



- CEA1-A2
- STS Vibration + Mirror
- Marble





A1-03

이미지는 실제 제품과 약간의 차이가 있을 수 있습니다.
Note
The printed image might be different than the actual design.
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Car Design

Ceiling	STS Mirror + LED + Acrylic
Car-Wall	STS Hairline STS Hairline + Etching
Car-Door	STS Hairline + Etching
Handrail	Handrail-01
Floor	Engineered Stone



Front View



Rear View

Entrance Design

Door (G)	STS Hairline + Etching
Jamb (G)	STS Hairline
Door (T)	STS Hairline + Etching
Jamb (T)	STS Hairline



- STS Mirror + LED + Acrylic
- STS Hairline + Etching
- Engineered Stone





A1-04

이미지는 실제 제품과 약간의 차이가 있을 수 있습니다.

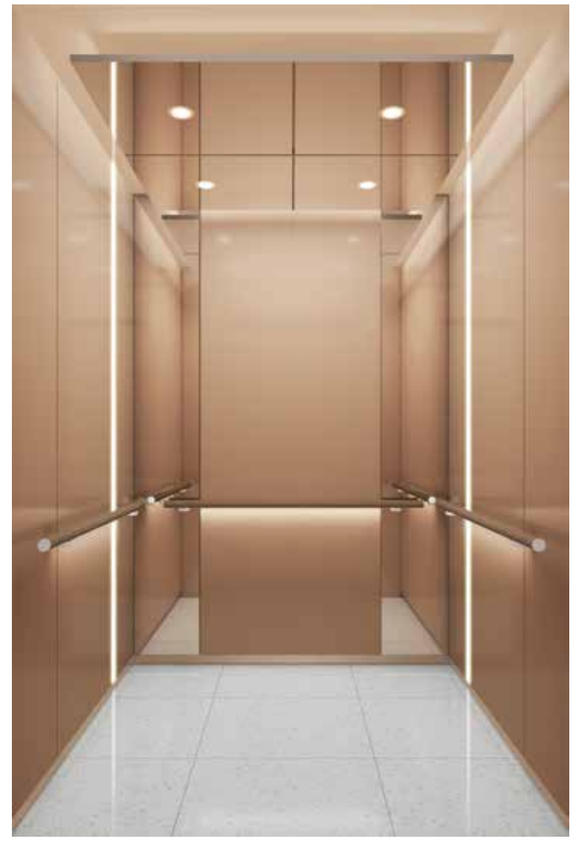
Note
The printed image might be different than the actual design.
There may be a variance in car wall pattern depending on car size and capacity.

Car Design

Ceiling	CEA1-A3
Car-Wall	STS Bronze Hairline + LED Lighting STS Mirror
Car-Door	STS Bronze Hairline
Handrail	AL Bronze Handrail
Floor	Engineered Stone



Front View



Rear View

Entrance Design

Door (G)	STS Bronze Hairline
Jamb (G)	STS Bronze Hairline
Door (T)	STS Bronze Hairline
Jamb (T)	STS Bronze Hairline



- CEA1-A3
- STS Bronze Hairline
- Engineered Stone





A1-05

이미지는 실제 제품과 약간의 차이가 있을 수 있습니다.

Note
The printed image might be different than the actual design.
There may be a variance in car wall pattern depending on car size and capacity.

A1-05

Car Design

Ceiling	Bronze AL Frame + LED
Car-Wall	STS Ti-Bronze Hairline STS Mirror + LED
Car-Door	STS Ti-Bronze Hairline
Handrail	Handrail-01
Floor	Engineered Stone



Front View



Rear View

Entrance Design

Door (G)	STS Ti-Bronze Hairline
Jamb (G)	STS Ti-Bronze Hairline
Door (T)	STS Ti-Bronze Hairline
Jamb (T)	STS Ti-Bronze Hairline



- Bronze AL Frame + LED
- STS T0-Bronze Hairline
- Engineered Stone





A1-06

Car Design

Ceiling	CEA1-A4
Car-Wall	STS Black Hairline STS Mirror
Car-Door	STS Black Hairline
Handrail	AL Black Handrail
Floor	Engineered Stone



Front View



Rear View

Entrance Design

Door (G)	STS Black Hairline
Jamb (G)	STS Black Hairline
Door (T)	STS Black Hairline
Jamb (T)	STS Black Hairline



- CEA1-04
- STS Black Hairline
- Engineered Stione





A1-06

이미지는 실제 제품과 약간의 차이가 있을 수 있습니다.

Note
The printed image might be different than the actual design.
There may be a variance in car wall pattern depending on car size and capacity.

A1-07

이미지는 실제 제품과 약간의 차이가 있을 수 있습니다.

Note
The printed image might be different than the actual design.
There may be a variance in car wall pattern depending on car size and capacity.

Car Design

Ceiling	CEA1-A5
Car-Wall	STS Ti-Black Hairline + LED STS Mirror
Car-Door	STS Ti-Black Hairline
Handrail	Handrail-01
Floor	Engineered Stone



Front View



Rear View

Entrance Design

Door (G)	STS Ti-Black Hairline
Jamb (G)	STS Ti-Black Hairline
Door (T)	STS Ti-Black Hairline
Jamb (T)	STS Ti-Black Hairline



- CEA1-05
- STS Ti-Black Hairline
- Engineered Stone





PANORAMIC ELEVATOR

이미지는 실제 제품과 약간의 차이가 있을 수 있습니다.

Note
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Car Design

Ceiling	CEA1-A6
Car-Wall	Clear Glass STS Mirror
Car-Door	STS Mirror + Glass
Handrail	Handrail-01
Floor	Engineered Stone



Front View



Rear View

Entrance Design

Door (G)	STS Mirror + Glass
Jamb (G)	STS Mirror
Door (T)	STS Mirror + Glass
Jamb (T)	STS Mirror



- CEA1-06
- STS Mirror + Glass
- Engineered Stone





PASSENGER & FREIGHT

Car Design



Ceiling	STS Hairline + LED
Car-Wall	STS Hairline
Car-Door	STS Hairline
Handrail	STS Polishing 1Pipe
Floor	Engineered Stone

Front View

Entrance Design



Door	STS Hairline
Jamb	STS Hairline

Entrance

PASSENGER & FREIGHT

이미지는 실제 제품과 약간의 차이가 있을 수 있습니다.

Note
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FREIGHT

Car Design



Front View

Ceiling	STS Hairline + LED
Car-Wall	STS Hairline
Car-Door	STS Hairline
Handrail	-
Floor	Check Plate

Entrance Design



2UP Sliding Door

Door(G)	STS Hairline 2UP Sliding Door
Jamb(G)	STS Hairline



3UP Sliding Door

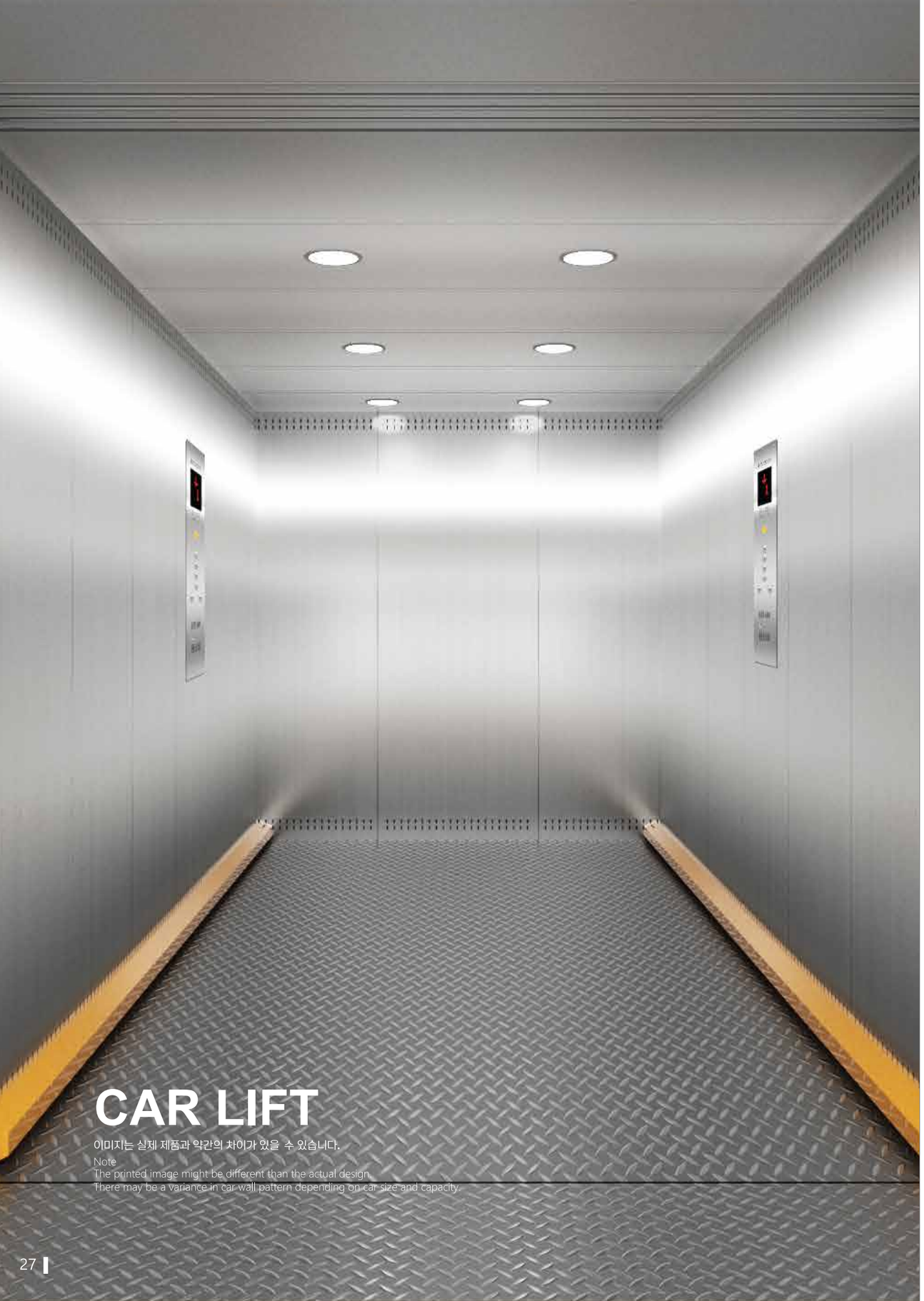
Door(G)	STS Hairline 3UP Sliding Door
Jamb(G)	STS Hairline

※ Fire-proof door can be applied to freight elevator and car lift door

FREIGHT

이미지는 실제 제품과 약간의 차이가 있을 수 있습니다.

Note
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CAR LIFT

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Note
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There may be a variance in car wall pattern depending on car size and capacity.

Car Design



Front View

Ceiling	STS Hairline + LED
Car-Wall	STS Hairline
Car-Door	STS Hairline
Protector	Painted Steel
Floor	Check Plate

Entrance Design



2UP Sliding Door

Door (G)	STS Hairline 2UP Sliding Door
Jamb (G)	STS Hairline



3UP Sliding Door

Door (G)	STS Hairline 3UP Sliding Door
Jamb (G)	STS Hairline

※ Fire-proof door can be applied to freight elevator and car lift door



DUMBWAITER

이미지는 실제 제품과 약간의 차이가 있을 수 있습니다.

Note
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There may be a variance in car wall pattern depending on car size and capacity.

DUMBWAITER

Car Design



FD

Floor Type

The entrance is installed horizontally with the floor, making it easy and convenient to use hand carts, trolleys, etc., for transporting large volumes of cargo.

ENT/JAMB	STS Hairline
Ceiling	STS Hairline
Car-Wall	STS Hairline
Car-Door	STS Hairline
Floor	Check Plate



WD

Window Type

The entrance is installed at waist height for ease of use, making it convenient for transporting ood in restaurants, as well as books, documents, and other materials in libraries, offices, and banks.

ENT/JAMB	STS Hairline
Ceiling	STS Hairline
Car-Wall	STS Hairline
Car-Door	STS Hairline
Floor	Check Plate

Specification

Speed	Capacity weight (kg)	Entrance width (OP)	Entrance height (EH)	CAR size (mm) Inner (W * D)	Elevator shaft (mm) (X x Y)
20m/min	150kg	600mm	1200mm 이하	700 x 700	1600 x 1400
	300kg	800mm			2000 x 1600
30m/min	150kg	600mm			1600 x 1400
	300kg	800mm			2000 x 1600

※ According to the Elevator Safety Inspection Standards, Annex 25, and the Small Freight Elevator Inspection Criteria, Sections 8.1 and 8.2, the 'car dimensions' and 'effective area and rated load of the car' must comply. However, the floor area must be no more than 1m², and the height must be no more than 1.2m."

CEILING



CEA1-A1



CEA1-A2



CEA1-A3



CEA1-A4



CEA1-A5

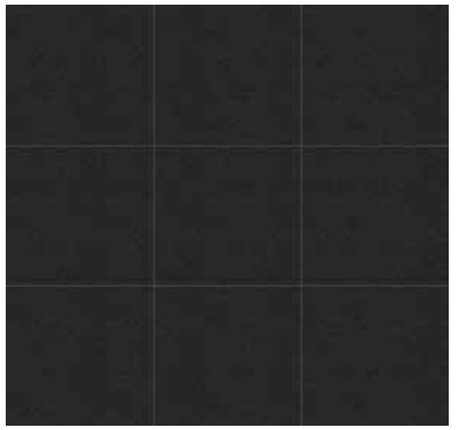


CEA1-A6

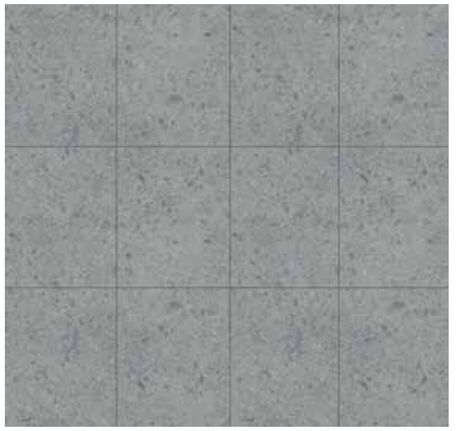
FLOOR



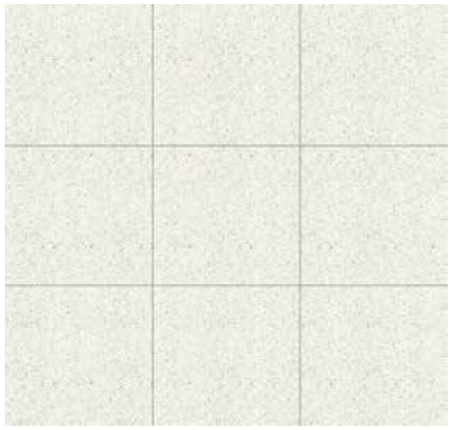
FLOOR-01



FLOOR-02

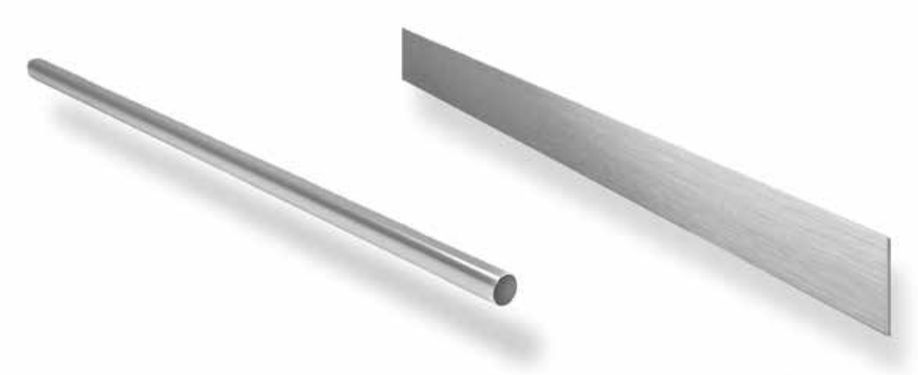


FLOOR-03



FLOOR-04

HANDRAIL



HANDRAIL-01

HANDRAIL-02

HIP



A1-HPI-01



A1-HPI-03

HB



A1-HB-01



A1-HB-02

CPI



A1-CPI-01



A1-CPI-02

HIB



A1-HIB-01



A1-HIB-02

COP



A1-COP-01



A1-COP-02



A1-COP-03
(FRP TYPE)

H.COP



A1-HCOP-01

A1 ESCALATOR

High-efficiency operation

Smart production

Advanced technology

Safety protection

Maximize mobility convenience in commercial and public facilities.

The A1 escalator, equipped with enhanced safety features, energy efficiency, and space-saving capabilities, offers cutting-edge mobility solutions for commercial and public spaces.

Supporting details for easy planning

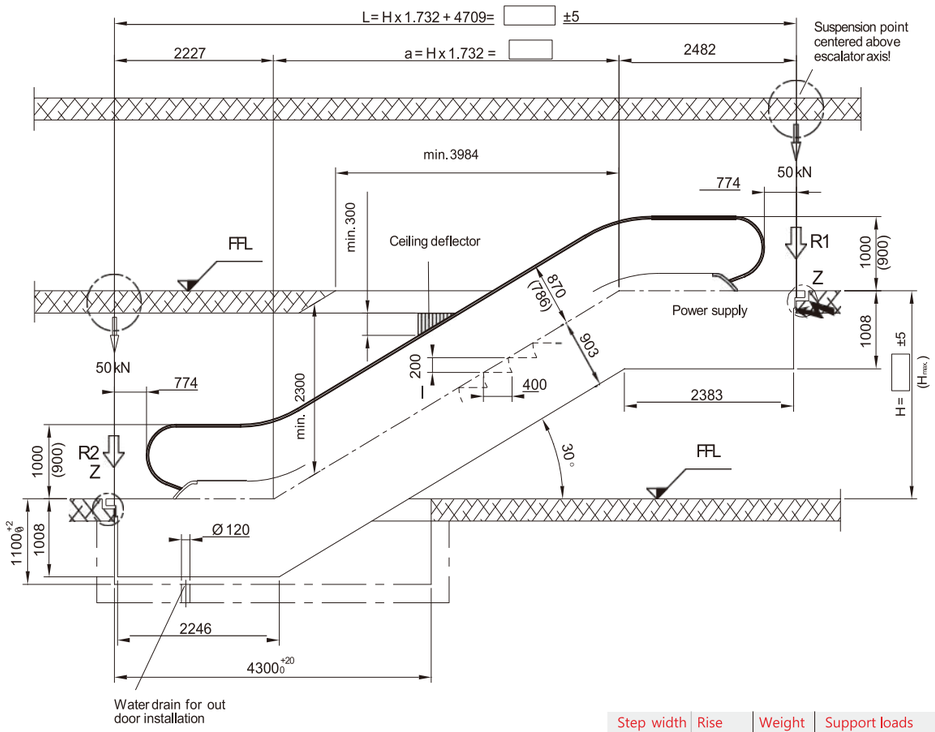
Nominal step width [mm]	600 / 800 / 1,000
Angle of inclination [degrees]	30 / 35
Max. rise H [m]	13
Balustrade height [mm]	900 / 1,000 / 1,100
Horizontal steps	2 / 3
Speed [m/s]	0.5 / 0.6 / 0.65



1 Controller
2 Band brake
3 Newel
4 Steps
5 Balustrade
6 Inner/outer decking
7 Skirting
8 Handrail
9 Comb plate
10 Newel end cap
11 Floor covers
12 End support
13 Tension station
14 Step chain
15 Tracks
16 Truss
17 Handrail drive
18 Main shaft
19 Duplex chain
20 Drive unit

A1 Escalator

30° inclination, rise up to 6m



Balustrade:
design E

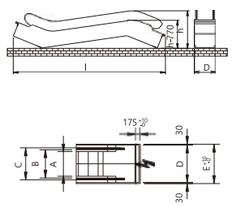
Balustrade height:
900 / 1,000 / 1,100 mm

Step width:
600 / 800 / 1,000 mm

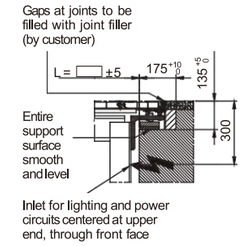
Step run:
2 horizontal steps

Transition radius:
top/bottom: 1.0 m / 1.0 m

Transportation dimensions



Detail Z



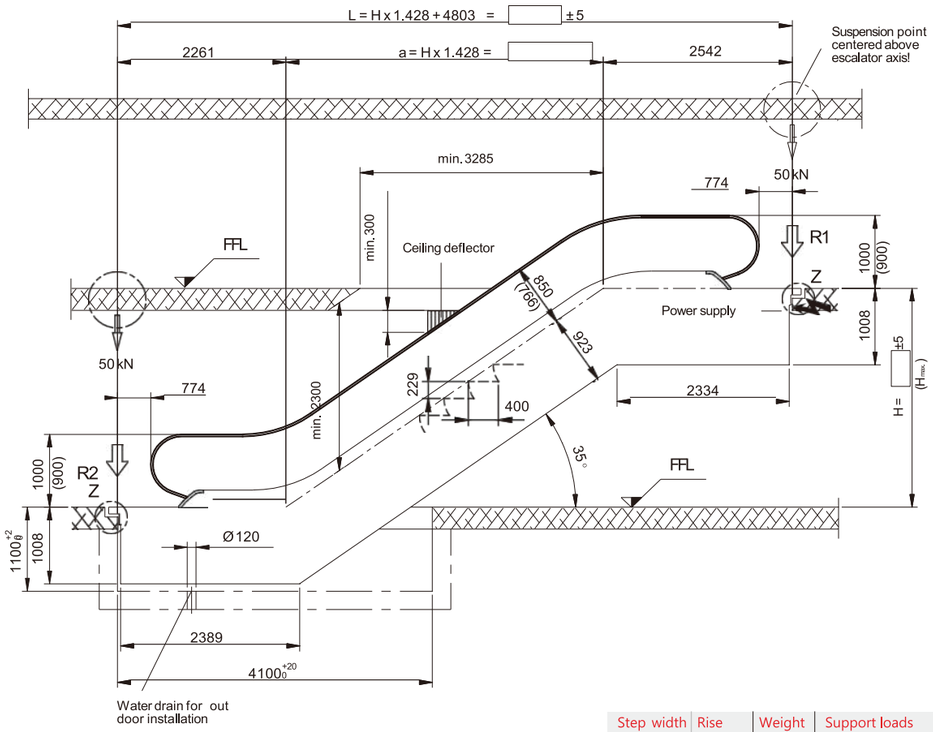
Note:
All dimensions in mm.
Observe national regulations!
Subject to change.

Step width [mm]	600	800	1,000
A: Step width	600	800	1,000
B: Width between handrails	750	950	1,150
C: Handrail outer distance	894	1,094	1,294
D: Width of escalator	1,065	1,265	1,465
E: Width of pit	1,125	1,325	1,525
Hmax.: Maximum rise	6,000	6,000	6,000

Step width	Rise	Weight	Support loads			Transp. dimensions Balustrade height 1000	
A [mm]	H [mm]	[kN]	R1 [kN]	R2 [kN]	R3 [kN]	h [mm]	l [mm]
600	3,000	52	44	38	-	2,790	10,830
	3,500	56	47	41	-	2,810	11,820
	4,000	59	50	44	-	2,840	12,810
	4,500	62	53	47	-	2,850	13,800
	5,000	65	56	50	-	2,870	14,800
	5,500	69	58	53	-	2,880	15,790
	6,000	72	61	56	-	2,890	16,790
800	3,000	55	50	45	-	2,790	10,830
	3,500	59	54	48	-	2,810	11,820
	4,000	62	57	52	-	2,840	12,810
	4,500	66	61	55	-	2,850	13,800
	5,000	69	64	58	-	2,870	14,800
	5,500	73	68	62	-	2,880	15,790
	6,000	76	71	65	-	2,890	16,790
1,000	3,000	59	57	51	-	2,790	10,830
	3,500	62	61	55	-	2,810	11,820
	4,000	66	65	59	-	2,840	12,810
	4,500	70	69	63	-	2,850	13,800
	5,000	73	73	67	-	2,870	14,800
	5,500	81	79	73	-	2,880	15,790
	6,000	85	83	77	-	2,890	16,790

A1 Escalator

35° inclination, rise up to 6m



Balustrade:
design E

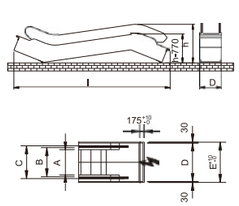
Balustrade height:
900 / 1,000 / 1,100 mm

Step width:
600 / 800 / 1,000 mm

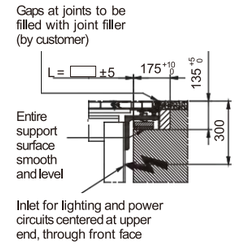
Step run:
2 horizontal steps

Transition radius:
top/bottom: 1.0 m / 1.0 m

Transportation dimensions



Detail Z



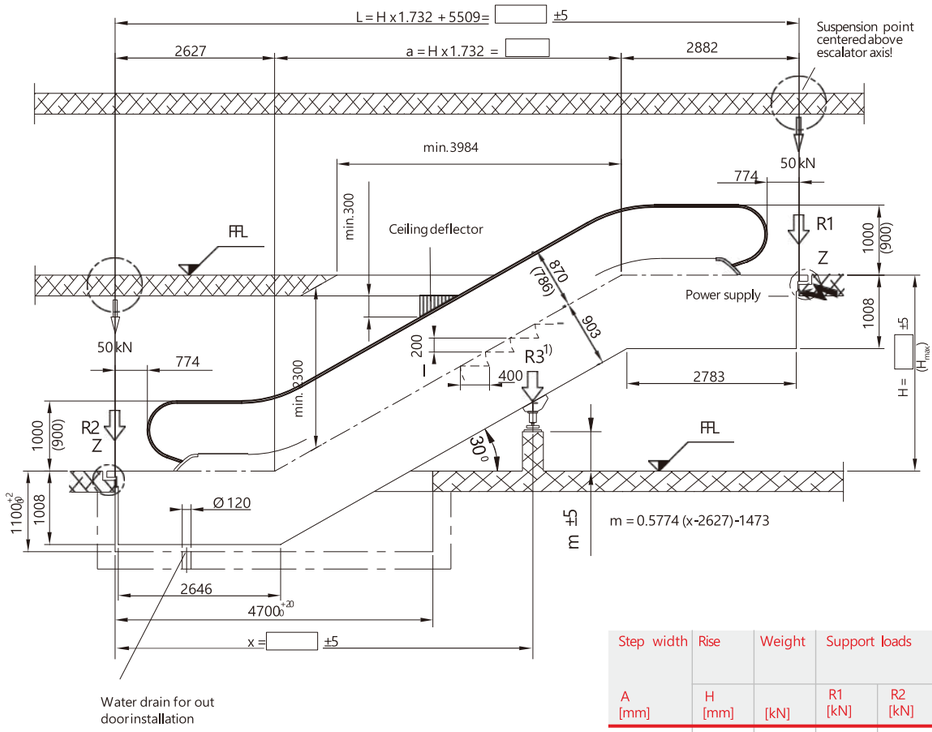
Note:
All dimensions in mm.
Observe national regulations!
Subject to change.

Step width [mm]	600	800	1,000
A: Step width	600	800	1,000
B: Width between handrails	750	950	1,150
C: Handrail outer distance	894	1,094	1,294
D: Width of escalator	1,065	1,265	1,465
E: Width of pit	1,125	1,325	1,525
Hmax.: Maximum rise	6,000	6,000	6,000

Step width	Rise	Weight	Support loads			Transp. dimensions Balustrade height 1000	
A [mm]	H [mm]	[kN]	R1 [kN]	R2 [kN]	R3 [kN]	h [mm]	l [mm]
600	3,000	49	41	35	-	2,870	10,070
	3,500	52	44	38	-	2,910	10,920
	4,000	55	46	40	-	2,930	11,780
	4,500	58	49	43	-	2,950	12,640
	5,000	60	51	45	-	2,970	13,500
	5,500	63	53	48	-	2,980	14,360
	6,000	66	56	50	-	3,000	15,270
800	3,000	52	47	41	-	2,870	10,070
	3,500	55	50	44	-	2,910	10,920
	4,000	58	53	47	-	2,930	11,780
	4,500	61	56	50	-	2,950	12,640
	5,000	64	59	53	-	2,970	13,500
	5,500	67	62	56	-	2,980	14,360
	6,000	70	65	59	-	3,000	15,270
1,000	3,000	55	53	47	-	2,870	10,070
	3,500	58	57	51	-	2,910	10,920
	4,000	62	60	54	-	2,930	11,780
	4,500	65	63	58	-	2,950	12,640
	5,000	68	67	61	-	2,970	13,500
	5,500	71	70	64	-	2,980	14,360
	6,000	74	74	68	-	3,000	15,270

A1 Escalator

30° inclination, rise up to 8.5m



Balustrade:
design E

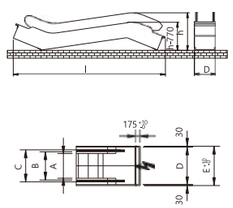
Balustrade height:
900 / 1,000 / 1,100 mm

Step width:
600 / 800 / 1,000 mm

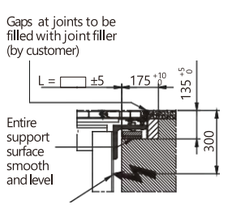
Step run:
3 horizontal steps

Transition radius:
top/bottom: 1.0 m / 1.0 m

Transportation dimensions



Detail Z



Note:
All dimensions in mm. Observe national regulations!
Subject to change.

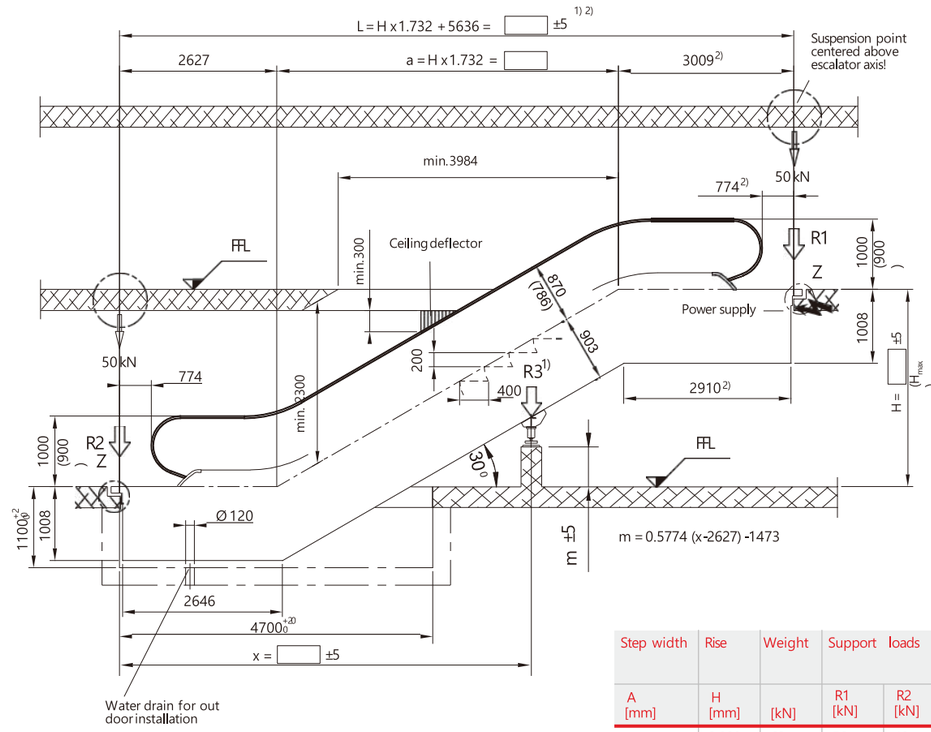
Step width	Rise	Weight	Support loads			Transp. dimensions Balustrade height 1000	
A [mm]	H [mm]	[kN]	R1 [kN]	R2 [kN]	R3 [kN]	h [mm]	l [mm]
600	3,000	52	44	38	-	2,900	11,570
	4,000	59	50	44	-	2,960	13,550
	5,000	65	56	50	-	2)	2)
	6,000	72	61	56	-	2)	2)
	7,000	88	42	34	68	2)	2)
	8,000	94	44	36	76	2)	2)
	8,500	98	45	37	81	2)	2)
800	3,000	55	50	45	-	2,850	11,610
	4,000	62	57	52	-	2,910	13,580
	5,000	69	64	58	-	2,950	15,570
	6,000	76	71	65	-	2)	2)
	7,000	93	47	39	82	2)	2)
	8,000	100	49	41	92	2)	2)
	8,500	103	50	42	96	2)	2)
1,000	3,000	59	57	51	-	2,850	11,610
	4,000	66	65	59	-	2,910	13,580
	5,000	73	73	67	-	2,950	15,570
	6,000	85	83	77	-	2)	2)
	7,000	99	52	44	96	2)	2)
	8,000	106	55	47	107	2)	2)
	8,500	110	56	48	113	2)	2)

1) For H > 6 m, an intermediate support may be required. Please consult A1 Elevator.
2) Delivery in 2 parts.

Step width [mm]	600	800	1,000
A: Step width	600	800	1,000
B: Width between handrails	750	950	1,150
C: Handrail outer distance	894	1,094	1,294
D: Width of escalator	1,065	1,265	1,465
E: Width of pit	1,125	1,325	1,525
Hmax.: Maximum rise	8,500	8,500	8,500

A1 Escalator

30° inclination, rise up to 13m



Balustrade:
design E

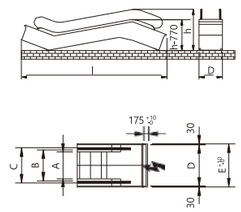
Balustrade height:
900 / 1,000 / 1,100 mm

Step width:
800 / 1,000 mm

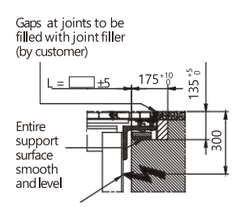
Step run:
3 horizontal steps

Transition radius:
top/bottom: 1.5 m / 1.0 m

Transportation dimensions



Detail Z



Note:
All dimensions in mm. Observe national regulations!
Subject to change.

Step width	Rise	Weight	Support loads			Transp. dimensions Balustrade height 1000	
A [mm]	H [mm]	[kN]	R1 [kN]	R2 [kN]	R3 [kN]	h [mm]	l [mm]
800	3,000	62	56	49	-	2,930	11,690
	4,000	69	63	56	-	3,000	13,670
	5,000	76	70	63	-	3,050	15,650
	6,000	85	78	71	-	3,080	17,630
	7,000	93	52	30	88	3)	3)
	8,000	101	55	33	97	3)	3)
	9,000	111	53	44	104	3)	3)
	10,000	119	56	47	114	3)	3)
	11,000	126	59	49	123	3)	3)
	12,000	133	61	52	133	3)	3)
	13,000	147	67	58	142	3)	3)
1,000	3,000	66	63	57	-	2,930	11,690
	4,000	100	49	41	-	3,000	13,670
	5,000	103	50	42	-	3,050	15,650
	6,000	59	57	51	-	3,080	17,630
	7,000	99	59	34	103	3)	3)
	8,000	107	61	38	113	3)	3)
	9,000	118	60	50	121	3)	3)
	10,000	126	63	53	132	3)	3)
	11,000	140	69	60	142	3)	3)
	12,000	154	78	63	154	3))	3)
	13,000	163	81	66	165	3))	3))

1) For H > 8.5 m, a second intermediate support may be required. Please consult A1 Elevator.
2) For H > 8.5 m, a top extension of 417 mm is needed.
3) Delivery in 2 parts.

Step width [mm]	800	1,000
A: Step width	800	1,000
B: Width between handrails	950	1,150
C: Handrail outer distance	1,094	1,294
D: Width of escalator	1,265	1,465
E: Width of pit	1,325	1,525
Hmax.: Maximum rise	13,000	13,000

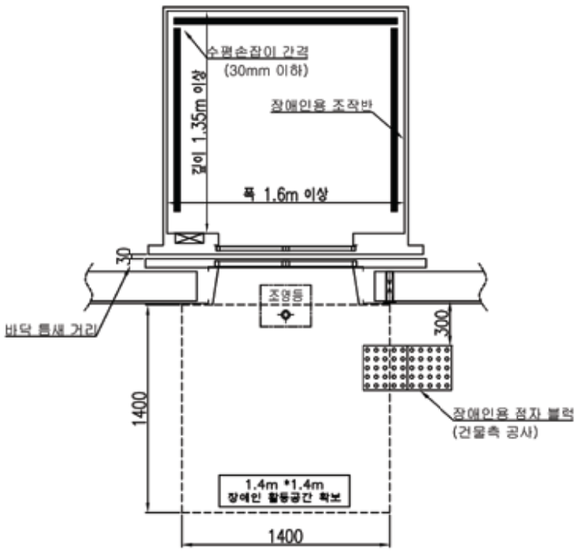
Installation guide of Elevators for disabled

1) Setup and available areas
- Install near entrances connected to accessible pathways for people with disabilities.
- Ensure a clear activity space of 1.4m x 1.4m or larger in front.
- The gap between the elevator floor and the landing floor should be no more than 3 cm.

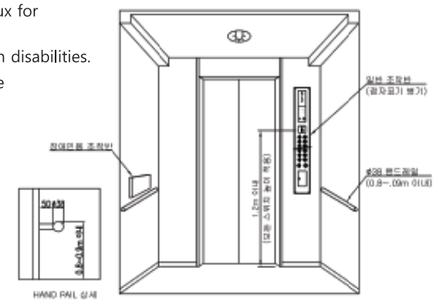
2) Dimensions
- The effective floor area inside the elevator should be at least 1.1m wide and 1.35m deep. For new buildings, ensure a width of at least 1.6m.
- The effective clear width of the entrance door should be at least 0.8m; for new buildings, it should be at least 0.9m.

3) User Control Equipment
- The height of the switch should be installed between 0.8m and 1.2m from the floor.
  However, if there are many switches, this can be relaxed to a maximum height of 1.4m.
- The control panel for wheelchair users inside the elevator should be installed horizontally on the right side, at a height of approximately 0.85m.
  It should include braille markings for floor numbers for the visually impaired.
- Control panels and communication devices must have braille signs attached.

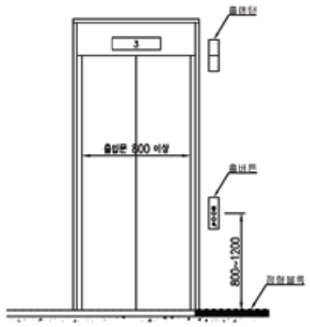
4) Other Equipment
- Install horizontal handrails continuously inside the elevator at a height between 0.8m and 0.9m, or place them on the side and rear with a spacing of no more than 3 cm between handrails.
- If a wheelchair cannot turn 180 degrees in the rear of the elevator,
  install a sturdy mirror at a height of at least 0.6m on the back wall, allowing the user to check the door status or exit.
- Install a flashing light and audible signal at each landing to indicate the elevator's arrival.
- Inside the elevator, install a flashing light and audible signal to indicate the arrival floor and operational status.
- If a photo-sensing opening/closing device is installed, ensure it can detect objects within a range of 0.3m to 1.4m.
- Install a reopening device.
- Install tactile blocks or use different floor textures within 0.3m in front of the call button.
- Use glass in some parts of the elevator front.
- The button should activate the flashing light and provide audio guidance when pressed.
- If the button is a toggle type, pressing it for the first time should activate the flashing light and provide audio guidance for the selected floor. Pressing it a second time should turn off the light and announce cancellation.
- If the entrances on different floors are not aligned, provide audio guidance for the entrance direction.
- Ensure illumination for the entrance, landing, and controls is at least 150 lux for the safety of users with disabilities.
- Clearly distinguish the call buttons for elevators designated for people with disabilities.
- Attach braille signage for floor numbers to the external call buttons for the accessible elevator.



[Elevator Layout]

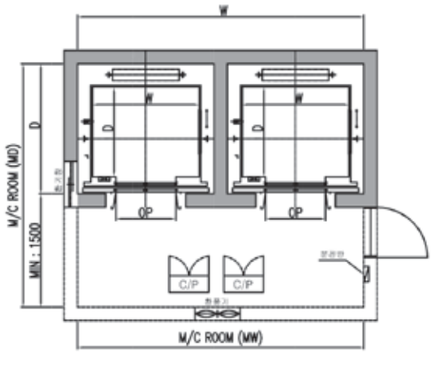


[Elevator Interior Layout]

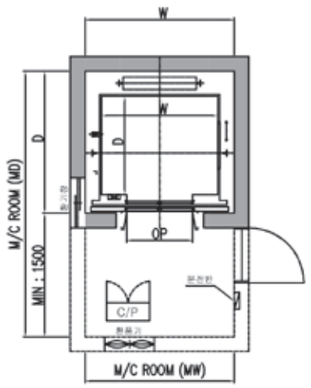


[Entrance Layout]

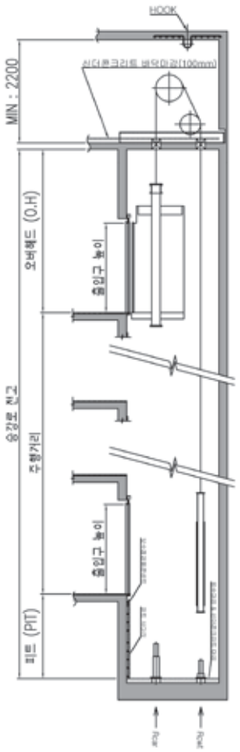
Planning Information MR 60~120m/min



[Plan of M/C Room (Parallel)]



[Plan of M/C Room]



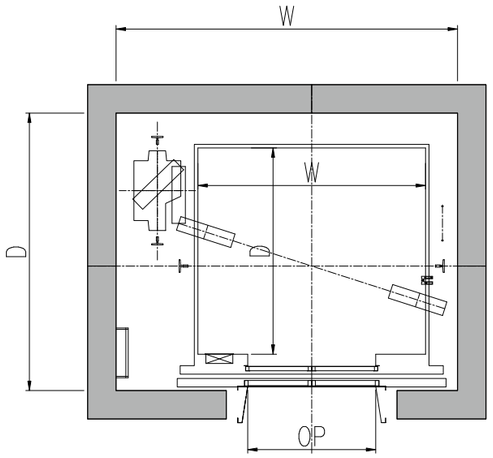
[Elevator Shaft Section]

Capacity (Person)	Load Capacity	Door Width	CAR SIZE			Elevator Shaft Size		CAR SIZE		PIT
			Width	Depth	Height	Single Unit		Two Units in Parallel		
P	KG	CENTER OP	W	D	H	W	D	W	D	H
7	550	800	1250	1150	2250	1750	1750	3650	1750	1300~1500
8	600	800	1250	1250	2250	1750	1850	3650	1850	1300~1500
9	675	800	1250	1350	2250	1750	1950	3650	1950	1300~1500
10	750	800	1250	1450	2250	1750	2050	3650	2050	1300~1500
12	900	900	1600	1350	2250	2100	1950	4350	1950	1350~1500
13	1000	900, 1000	1600	1400	2250	2100	2000	4350	2000	1350~1500
15	1150	1000, 1100	1800	1400	2250	2300	2000	4750	2000	1350~1500
18	1350	1000, 1100	1800	1600	2250	2400	2300	5000	2300	1350~1600
20	1500	1100, 1200	2000	1600	2250	2600	2300	5400	2300	1350~1600
21	1600	1100, 1200	2000	1700	2250	2600	2400	5400	2400	1350~1600
24	1800	1100, 1200	2000	1800	2250	2600	2500	5400	2500	1400~1600
26	2000	1100, 1200	2100	1900	2250	2700	2600	5600	2600	1500~1700
30	2300	1100, 1200	2200	2000	2250	2800	2700	5800	2700	1500~1700
33	2500	1100, 1200	2400	2000	2250	3000	2700	6200	2700	1500~1700

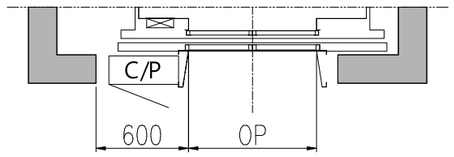
Speed	Top Floor (O.H)
m/min	min
60	4000
90	4200
105	4350
120	4600

1) Unit: mm. All sizes refer to the interior after architectural finishing. Please account for construction tolerances related to insulation, waterproofing, etc.
2) The PIT dimensions are based on a speed of 60 m/min. The PIT depth may vary with increased speed.
3) The elevator shaft size, PIT, and overhead (O.H) are recommendations and may be adjusted based on site conditions.
4) For Deluxe TYPE applications, add 300 mm to the O.H.
5) In principle, there should be no accessible space for people beneath the PIT. Please contact us if this is absolutely necessary.
6) If the elevator shaft has glass finishing, laminated glass that complies with KSL 2004 must be used.
7) If the elevator shaft has glass finishing, a gallery window or air conditioning should be installed in the overhead machinery space to maintain a temperature below 40 degrees Celsius.
8) Communication-related installations such as intercoms and CCTV are excluded from the elevator scope. Please contact us regarding installation locations.

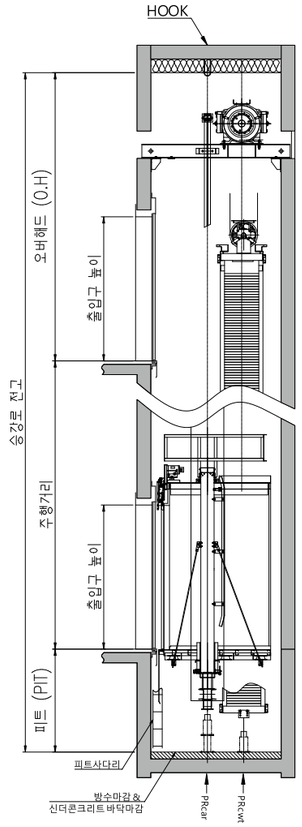
Planning Information MRL-W Type 60~105m/min



[Elevator Shaft Plan]



[Top Floor Elevator Shaft Plan]



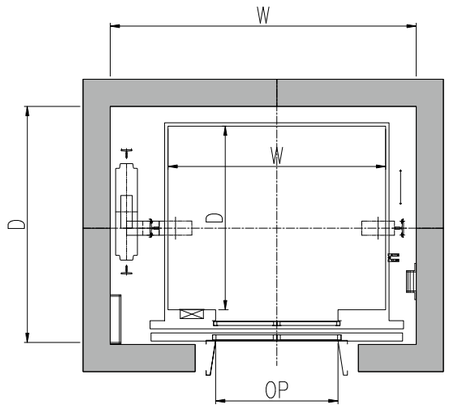
[Elevator Shaft Section]

Capacity (Person)	Load Capacity	Door Width	CAR SIZE			Elevator Shaft Size		CAR SIZE		PIT
			Width	Depth	Height	Single Unit		Two Units in Parallel		
P	KG	CENTER OP	W	D	H	W	D	W	D	H
21	1600	1100, 1200	2000	1700	2250	3000	2400	6200	2400	1700~2000
24	1800	1100, 1200	2000	1800	2250	3000	2500	6200	2500	1700~2000
26	2000	1100, 1200	2100	1900	2250	3100	2500	6400	2500	1700~2000
30	2300	1100, 1200	2200	2000	2250	3200	2550	6600	2550	1800~2000
33	2500	1100, 1200	2400	2000	2250	3400	2650	7000	2650	1800~2000

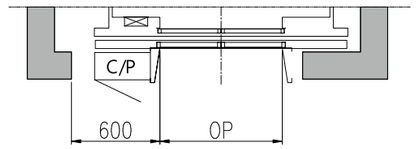
Speed	Top Floor (O.H)
m/min	min
60	5000
90	5200
105	5350

1) Unit: mm. All sizes refer to the interior after architectural finishing. Please consider construction tolerances for insulation, waterproofing, etc.
2) The PIT dimensions are based on a speed of 60 m/min. The PIT depth may vary with increased speed.
3) The elevator shaft size, PIT, and overhead (O.H) are recommendations and may be adjusted based on site conditions.
4) For Deluxe TYPE applications, add 300 mm to the O.H.
5) In principle, there should be no accessible space for people beneath the PIT. Please contact us if this is absolutely necessary.
6) If the elevator shaft has glass finishing, laminated glass suitable for KSL 2004 must be used.
7) If the elevator shaft has glass finishing, a gallery window or air conditioning should be installed in the overhead machinery space to maintain a temperature below 40 degrees Celsius.
8) Communication-related installations such as intercoms and CCTV are excluded from the elevator scope. Please contact us regarding installation locations.

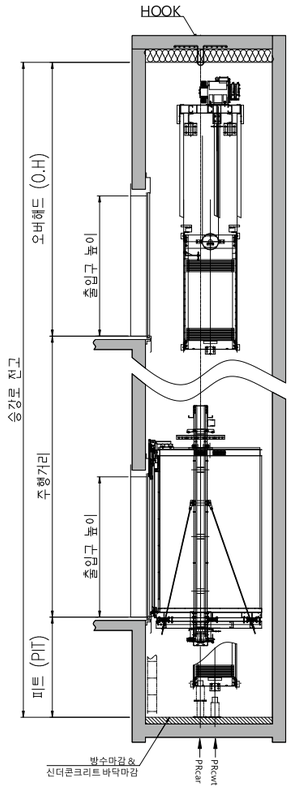
Planning Information MOR Type 60~105m/min



[Elevator Shaft Plan]



[Top Floor Elevator Shaft Plan]



[Elevator Shaft Section]

Capacity (Person)	Load Capacity	Door Width	CAR SIZE			Elevator Shaft Size		CAR SIZE		PIT
			Width	Depth	Height	Single Unit		Two Units in Parallel		
P	KG	CENTER OP	W	D	H	W	D	W	D	H
7	550	800	1250	1150	2250	1900	1650	3950	1650	1300~1500
8	600	800	1250	1250	2250	1900	1650	3950	1650	1300~1500
9	675	800	1250	1350	2250	1900	1750	3950	1750	1300~1500
10	750	800	1250	1450	2250	1900	1850	3950	1850	1300~1500
12	900	900	1600	1350	2250	2200	1750	4550	1750	1300~1600
13	1000	900, 1000	1600	1400	2250	2200	1800	4550	1800	1300~1600
15	1150	1000, 1100	1800	1400	2250	2400	1800	4950	1800	1300~1600
17	1275	1000, 1100	1800	1550	2250	2400	1950	5000	1950	1400~1700
18	1350	1000, 1100	1800	1600	2250	2650	2000	5500	2000	1400~1800
20	1500	1100, 1200	2000	1600	2250	2850	2000	5900	2000	1400~1800
21	1600	1100, 1200	2000	1700	2250	2850	2100	5900	2100	1400~1800

Speed	Top Floor (O.H)
m/min	min
60	4300
90	4500
105	4650

1) Unit: mm. All sizes refer to the interior after architectural finishing. Please account for construction tolerances related to insulation, waterproofing, etc.
2) The PIT dimensions are based on a speed of 60 m/min. The PIT depth may vary with increased speed.
3) For elevators with a capacity of 18 persons or more, add 300 mm to the overhead (O.H).
4) The elevator shaft size, PIT, and O.H are recommendations and may be adjusted based on site conditions.
5) For Deluxe TYPE applications, add 300 mm to the O.H.
6) In principle, there should be no accessible space for people beneath the PIT. Please contact us if this is absolutely necessary.
7) If the elevator shaft has glass finishing, laminated glass that complies with KS L 2004 must be used.
8) If the elevator shaft has glass finishing, a gallery window or air conditioning should be installed in the overhead machinery space to maintain a temperature below 40 degrees Celsius.
9) Communication-related installations such as intercoms and CCTV are excluded from the elevator scope. Please contact us regarding installation locations.

System Power Facility Capacity

MR

Speed	Capacity	Load Capacity	Motor Capacity	Inverter Capacity	Transformer Capacity	N.F.B Capacity	Lead-in Wire Size	Ground Wire Size
[m/min]	[person]	[kg]	[kW]	[kW]	[kVA]	[A]	[㎟]	[㎟]
60	7	550	4	5.5	7.9	40	10	10
	8	600	4	5.5	7.9	40	10	10
	9	675	5.5	7.5	11	40	10	10
	10	750	5.5	7.5	11	40	10	10
	12	900	6.8	7.5	11	40	10	10
	13	1000	6.8	7.5	11	40	10	10
	15	1150	7.4	11	16	50	10	10
	18	1350	9.2	11	16	50	10	10
	20	1500	10.9	15	22	60	16	16
	21	1600	10.9	15	22	60	16	16
	24	1800	13.6	15	22	60	16	16
	26	2000	13.6	15	22	60	16	16
	30	2300	16.6	22	31	75	25	25
	33	2500	16.6	22	31	75	25	25
90	7	550	6.1	7.5	11	40	10	10
	8	600	6.1	7.5	11	40	10	10
	9	675	8.3	11	16	50	10	10
	10	750	8.3	11	16	50	10	1
	12	900	10.2	15	22	60	16	16
	13	1000	10.2	15	22	60	16	16
	15	1150	11.4	15	22	60	16	16
	18	1350	14.7	15	22	60	16	16
	20	1500	17.3	22	31	75	25	25
	21	1600	17.3	22	31	75	25	25
	24	1800	20.5	30	42	100	35	25
	26	2000	20.5	30	42	100	35	25

Speed	Capacity	Load Capacity	Motor Capacity	Inverter Capacity	Transformer Capacity	N.F.B Capacity	Lead-in Wire Size	Ground Wire Size
[m/min]	[person]	[kg]	[kW]	[kW]	[kVA]	[A]	[㎟]	[㎟]
90	30	2300	25.5	30	42	100	35	25
	33	2500	25.5	30	42	100	35	25
105	7	550	7.1	7.5	11	40	10	10
	8	600	7.1	7.5	11	40	10	10
	9	675	9.5	11	16	50	10	10
	10	750	9.5	11	16	50	10	10
	12	900	11.9	15	22	60	16	16
	13	1000	11.9	15	22	60	16	16
	15	1150	13.3	15	22	60	16	16
	18	1350	16	22	31	75	25	25
	20	1500	19	22	31	75	25	25
	21	1600	19	22	31	75	25	25
	24	1800	2.8	30	42	100	35	25
	26	2000	23.8	30	42	100	35	25
	30	2300	29.1	37	52	125	35	25
	33	2500	29.1	37	52	125	35	25
120	13	1000	13.6	15	22	60	16	16
	15	1150	15	15	22	60	16	16
	18	1350	18.4	22	31	75	25	25
	20	1500	21.8	30	42	100	35	25
	21	1600	21.8	30	42	100	35	25
	24	1800	27.2	30	42	100	35	25
	26	2000	27.2	30	42	100	35	25
	30	2300	33.2	37	52	125	35	25
	33	2500	33.2	37	52	125	35	25

MRL

Speed	Capacity	Load Capacity	Motor Capacity	Inverter Capacity	Transformer Capacity	N.F.B Capacity	Lead-in Wire Size	Ground Wire Size
[m/min]	[person]	[kg]	[kW]	[kW]	[kVA]	[A]	[㎟]	[㎟]
60	7	550	4.2	5.5	7.9	40	10	10
	8	600	4.2	5.5	7.9	40	10	10
	9	675	5.3	5.5	7.9	40	10	10
	10	750	5.3	5.5	7.9	40	10	10
	12	900	6.5	7.5	11	40	10	10
	13	1000	6.5	7.5	11	40	10	10
	15	1150	7.6	11	16	50	10	10
	18	1350	9.2	11	16	50	10	10
	20	1500	10.9	15	22	60	16	16
	21	1600	10.9	15	22	60	16	16
	24	1800	13.6	15	22	60	16	16
	26	2000	13.6	15	22	60	16	16
	30	2300	16.6	22	31	75	25	25
	33	2500	16.6	22	31	75	25	25
90	7	550	6.7	7.5	11	40	10	10
	8	600	6.7	7.5	11	40	10	10
	9	675	8	11	16	50	10	10
	10	750	8	11	16	50	10	10
	12	900	9.8	11	16	50	10	10
	13	1000	9.8	11	16	50	10	10
	15	1150	11.3	15	22	60	16	16

Speed	Capacity	Load Capacity	Motor Capacity	Inverter Capacity	Transformer Capacity	N.F.B Capacity	Lead-in Wire Size	Ground Wire Size
[m/min]	[person]	[kg]	[kW]	[kW]	[kVA]	[A]	[㎟]	[㎟]
90	18	1350	14.7	15	22	60	16	16
	20	1500	17.3	22	31	75	25	25
	21	1600	17.3	22	31	75	25	25
	24	1800	20.5	30	42	100	35	25
	26	2000	20.5	30	42	100	35	25
	30	2300	25.5	30	42	100	35	25
	33	2500	25.5	30	42	100	35	25
105	7	550	7.3	7.5	11	40	10	10
	8	600	7.3	7.5	11	40	10	10
	9	675	9.3	11	16	50	10	10
	10	750	9.3	11	16	50	10	10
	12	900	11.4	15	22	60	16	16
	13	1000	11.4	15	22	60	16	16
	15	1150	13.2	15	22	60	16	16
	18	1350	16	22	31	75	25	25
	20	1500	19	22	31	75	25	25
	21	1600	19	22	31	75	25	25
	24	1800	2.8	30	42	100	35	25
	26	2000	23.8	30	42	100	35	25
	30	2300	29.1	37	52	125	35	25
	33	2500	29.1	37	52	125	35	25

MOR

Speed	Capacity	Load Capacity	Motor Capacity	Inverter Capacity	Transformer Capacity	N.F.B Capacity	Lead-in Wire Size	Ground Wire Size
[m/min]	[person]	[kg]	[kW]	[kW]	[kVA]	[A]	[㎟]	[㎟]
60	7	550	4.2	5.5	7.9	40	10	10
	8	600	4.2	5.5	7.9	40	10	10
	9	675	5.3	5.5	7.9	40	10	10
	10	750	5.3	5.5	7.9	40	10	10
	12	900	6.7	7.5	11	40	10	10
	13	1000	6.7	7.5	11	40	10	10
	15	1150	7.5	7.5	11	40	10	10
	17	1275	8.5	11	16	50	10	10
	18	1350	9	11	16	50	10	10
	20	1500	10.7	11	16	50	10	10
	21	1600	10.7	11	16	50	10	10
90	7	550	6.3	7.5	11	40	10	10
	8	600	6.3	7.5	11	40	10	10
	9	675	8	11	16	50	10	10
	10	750	8	11	16	50	10	10
	12	900	10	11	16	50	10	10
	13	1000	10	11	16	50	10	10

Speed	Capacity	Load Capacity	Motor Capacity	Inverter Capacity	Transformer Capacity	N.F.B Capacity	Lead-in Wire Size	Ground Wire Size
[m/min]	[person]	[kg]	[kW]	[kW]	[kVA]	[A]	[㎟]	[㎟]
90	15	1150	11.2	15	22	60	16	16
	17	1275	12.7	15	22	60	16	16
	18	1350	13.5	15	22	60	16	16
	20	1500	16	22	31	75	25	25
	21	1600	16	22	31	75	25	25
105	7	550	7.4	11	16	50	10	10
	8	600	7.4	11	16	50	10	10
	9	675	9.4	11	16	50	10	10
	10	750	9.4	11	16	50	10	10
	12	900	11.7	15	22	60	16	16
	13	1000	11.7	15	22	60	16	16
	15	1150	13.2	15	22	60	16	16
	17	1275	14.9	15	22	60	16	16
	18	1350	15.8	22	31	75	25	25
	20	1500	18.7	22	31	75	25	25
	21	1600	18.7	22	31	75	25	25

Exclusion from Scope of Supply and Work

Work Details				MRL	MR
Elevator Shaft Part	Construction work	1	Drilling work around various entrances (for doors, hall buttons, hall lanterns, etc.) and finishing work on walls and floors after equipment installation (including mortar filling).	O	O
		2	Installation of rebar for securing three-way frames on the left and right sides of the entrance.	O	O
		3	Installation of rebar for securing three-way frames on the left and right sides of the entrance.	O	O
		4	Waterproofing and finishing work in the pit after buffer installation.	O	O
		5	Supply and installation of elevator shaft partitions or intermediate beam members.	O	O
		6	Removal of various tie pins and formwork.	O	O
		7	Other (as indicated on the drawings).	O	O
		8	Construction of concrete structures (150 mm or greater) or beam structures for securing rail brackets.	O	O
		9	Removal and cleaning of elevator shaft wall tie pins.	O	O
		10	Provision of a free storage space for construction materials.	O	O
		11	Demolition and finishing work for concrete constructed differently from the design drawings.	O	O
		12	Lighting facilities in the elevator shaft (installation of lighting with over 50 lux in the upper and lower parts of the shaft).	O	O
		13	Installation of lifting beams or hooks for hoisting machinery on the elevator shaft ceiling (3 locations).	O	O
	Electric work	1	Wiring work for electrical outlets.	O	O
		2	Piping and wiring for power supply from the control panel to the elevator shaft when installing a control panel.	O	O
		3	Piping and wiring for power supply when installing CCTV.	O	O
		4	Other (as indicated on the drawings).	O	O
		5	Wiring for power supply to the elevator shaft for both power and lighting (refer to the building's power supply drawing for power capacity).	O	O
		6	Supply and installation of distribution boards for elevator use, including N.F.B, in the electrical room (to be installed in close proximity to the elevator shaft, power supply capacity as per the building's power supply drawing).	O	O
		7	Power supply work to maintain voltage fluctuation rates of +5% to -10% for distribution boards and ±2% for lighting.	O	O
		8	Piping and wiring for rough outlets for pit inspection.	O	O
		9	Provision of temporary power supply and free power during the installation and testing period.	O	O
		10	Piping and wiring for intercom between the elevator control panel and the central control room or security room (wire specifications: UTP 0.5mm x 2P per elevator). Communication devices connecting designated locations inside and outside the car must also be installed in duplicate at locations such as the central control room, electrical room, or maintenance office, in addition to the security room.	O	O
		11	Provision of control switch contacts for the emergency elevator machine room lighting.		
Machine Room Part	Construction work	1	Drilling for equipment access, rope holes, and other items indicated on the drawings, along with finishing work using cinder concrete in the machine room floor.	O	O
		2	Installation of beams or hooks for pulleys in the machine room ceiling.	O	O
		3	Installation of reinforcement beams in the machine room floor (if necessary).	O	O
		4	Provision of free construction water during the installation period.	O	O
		5	Provision of a free storage space for construction materials.	O	O
	Electric work	1	Piping and wiring work outside the elevator shaft when installing intercoms in locations other than the machine room.	O	O
		2	Installation of lighting fixtures and inspection lighting outlets in the machine room.	O	O
		3	Provision of temporary power supply and free electricity for construction and trial operation during the installation period.	O	O
		4	Piping work for power and cage lighting, as well as the installation of the main power supply panel in the machine room.	O	O
Considerations for related works		1	The machine room entrance should be a fire door and should be installed in a manner that does not create a passage to other areas.	O	O
		2	If the machine room is located within the elevator shaft, please avoid embedding ducts or pipes (electrical, water, gas, fire hydrant) into the walls for other purposes.	O	O
		3	The area beneath the pit must not be used for residential purposes, passageways, or any other uses.	O	O
		4	Please ensure that power and voltage fluctuations remain within +5% to -10%.	O	O
		5	The temperature in the machine room should be maintained at 40°C or lower, and humidity should be kept below 90%. Please install ventilation windows, exhaust fans, or other air conditioning facilities to ensure this. Take care to prevent the generation of toxic gases and dust.	O	O

Projects & References

Art/Cultural Facilities


National Incheon Maritime Museum


Seokchon Lake Art Gallery

Educational Facilities


Incheon National University Bio-Marine Cluster Building


Korea National Open University

Sports Facilities


Changnyeong Namji National Sports Center and Small Cinema


Sejong Bandabi Ice Rink

Convenience Facilities


Icheon Women's Vision Development Center


Chungju Eastern Senior Welfare Center

Projects & References

Convenience Facilities


Gimpo Veterans Affairs Hall


Anyang Disabled People's Cultural Complex

Government Offices


Incheon District Court Annex



Seongnam Godeung-dong Welfare Center

TKE OEM


Cheongna THE LIV Tiamo casa



Pyeongtaek Godeok 2nd Phase I-Park


Ilsan The Sharp Day & View


Hillstate Haeundae Central