

LINVOL

Passenger Elevator

Every journey for better arrival

LINVOL

Every Journey for Better Arrival

MIDEA BUILDING TECHNOLOGY ELEVATOR PRODUCT COMPANY

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WEB: <https://mbtibuilding.midea.com>

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美的楼宇科技二维码



Brand introduction

Linvol elevator is a professional digital elevator brand under the building technology division of Midea Group. Lin is derived from English link, which represents seamless connection, connecting people with technology, and connecting you with your destination; Vol is from the Italian word volare, which stands for spreading wings and flying. Linvol means that we can safely and reliably take you to destinations and highlands around the world.

Relying on Midea building technology, in the field of global smart buildings, Linvol focuses on the size R & D innovation and service practice ability of building digital service platform, as well as the foundation of elevator equipment hardware manufacturing and production capacity, and deeply focuses on elevator control technology, electronic security technology, digital elevator control platform and intelligent operation service platform to provide users with intelligent, digital and low-carbon overall solutions for pedestrian logistics.



300+
Cumulative special
authorizations



400+
Professional R &
D personnel



278 items
Participated in the revision of
national inspection standards
Post-Doctoral Research Center



Provincial
Guangdong provincial enterprise
technology center



CNAS
has a certified Laboratory

EVIK & EVIN

The application of digital intelligence technology not only changes the mechanical structure, but also makes customer no longer satisfied with the space enjoyment of "up and down". Evik & Evin passenger elevator, based on the application of cutting-edge digital elevator technology, adopts new technical equipment and processing technology, and perfectly integrates the humanized design concept. It has excellent performance in operation performance, safety function, decoration design, energy saving and consumption reduction, and can be widely used in hotels, office buildings, residential / apartment buildings and other construction sites



Intelligent building interconnection engine

Building full scene digital application



Smart elevator management system

Realize trend prediction and abnormal warning



Smart elevator service system

Improve personnel management efficiency



MRL shaft design

The shaft utilization rate is as high as 58.9%



Strengthen installation efficiency

Modular installation, efficiency increased by 10%



Scene decoration design

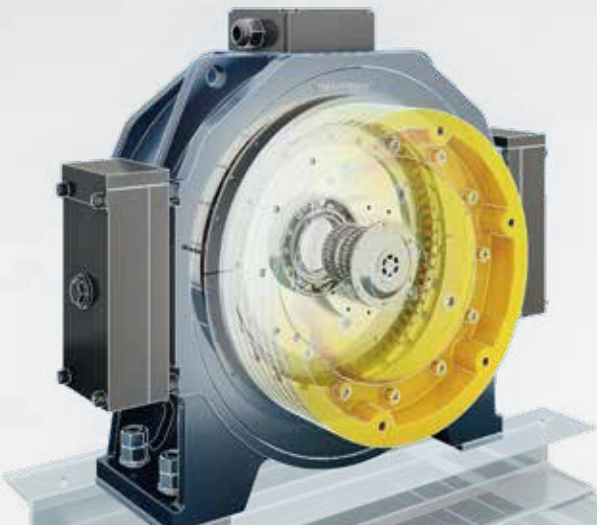
Diversified decoration and complete supporting services



Originally developed traction machine



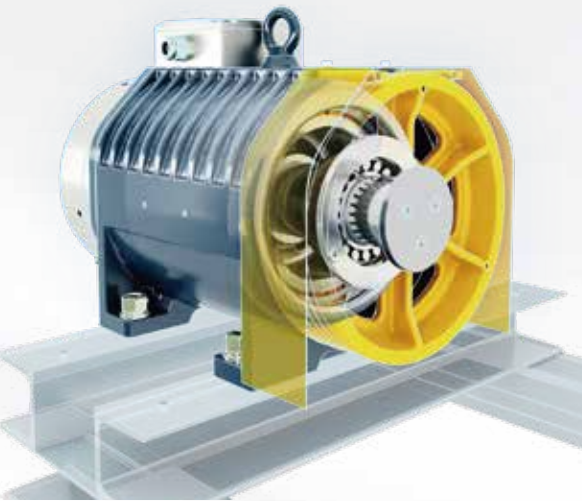
Ultra-thin host, thin design
compact structure, the thickness of the whole machine is reduced by 75mm



secondary energy efficiency
Operating noise is less than 55db



Fully automatic winding stator technology
Shaft space utilization increased by 20%



Fast and efficient processing
Special cantilever structure design, simple and quick to process and install



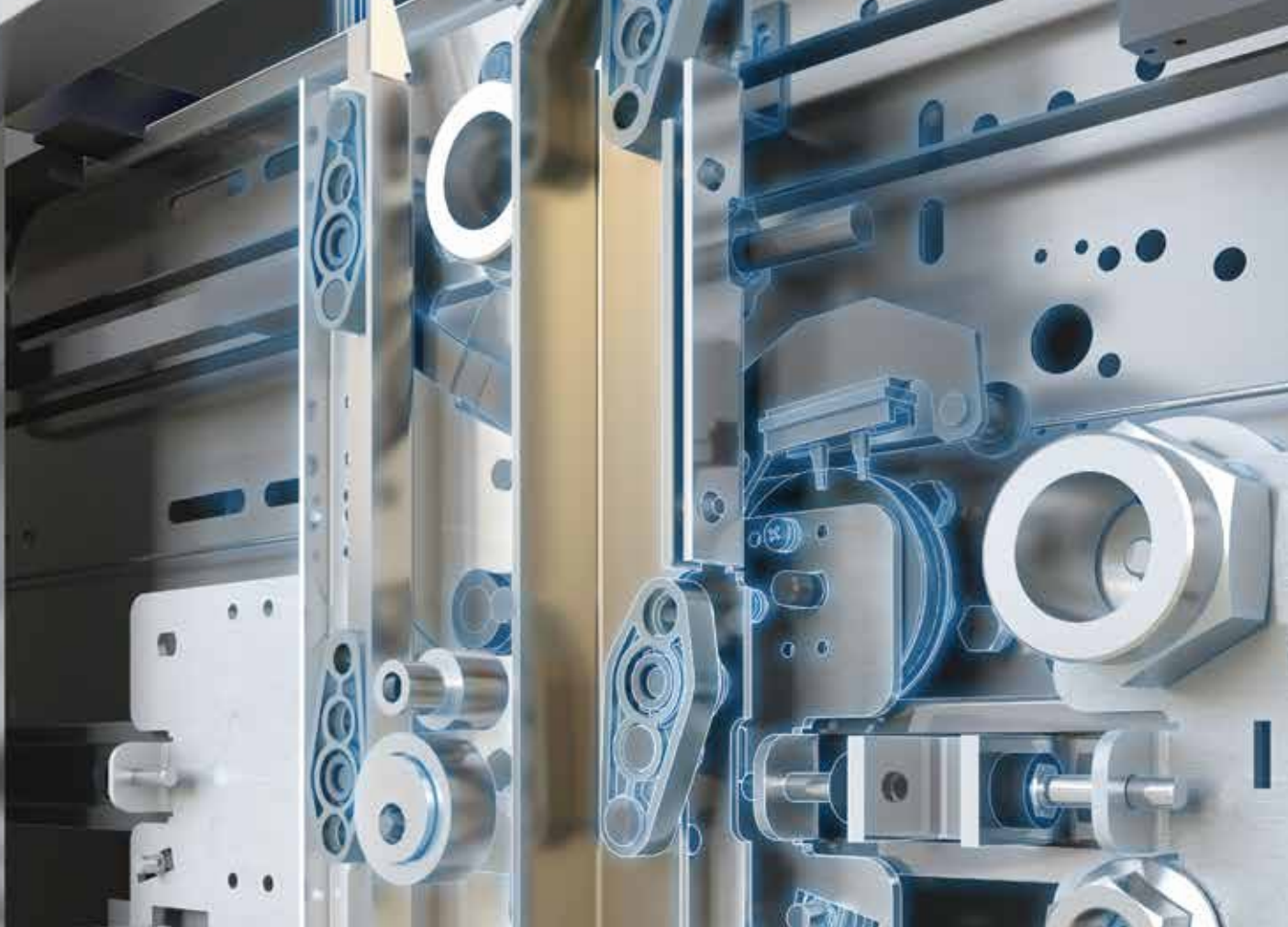
safe and reliable
Combining the advantages of the inner rotor and the outer rotor, the structural safety factor is greater than 5 times



MR or MRL
Thin design, for MRL can be placed on rails



Originally developed door machine system



Standardized and efficient

Single-person installation completed in 45 minutes

Well utilization rate is high

12% saving of hall door space
11% saving of car door space

High performance/high standard/pre-maintenance

32-bit high-performance processor Pre-maintenance reminders for exceptions

Field installation has good fault tolerance

Double Floating Synchronized Door Skate Adjustable gate ball design

Intelligent security

Power-off anti-collision, door closing protection, etc. Real-time detection of working conditions and adaptive adjustment

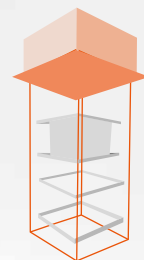
Stable and reliable, strong sense of industry

Avoid secondary closures
Anti-pinch protection

EVIN—Machine room less elevator

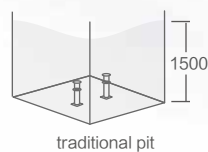


High shaft utilization rate

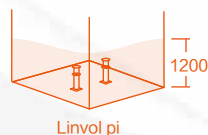


Compact structure design, suitable for various scenarios.
The hoistway utilization rate is as high as 58.9% to maximize passenger load

Super shallow pit



traditional pit



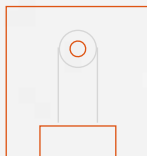
Linvol pit

The bottom pit is as low as 1200, saving space and high installation efficiency. design

EVIK—Machine room elevator



Improve the utilization rate of the top floor



Machine room-less structure design, the compact strip traction The machine is flexibly placed in the shaft, effectively saving the building area and reducing the overall cost of the building.

Stable and comfortable operation, low noise



We pursue the whole process of elevator operation to be guarded with peace of mind. Linvol's mature safety design and comfortable humanistic customs
Embracing and humanized functions make your riding experience comfortable. Ultra-quiet operation with just the right quality.

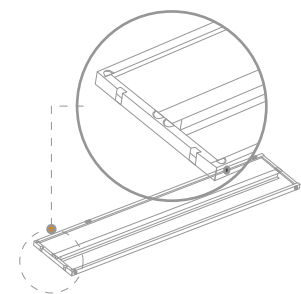
INTELLIGENT PRODUCTION

The LINVOL production line has been upgraded in an all-round way. Through intelligent manufacturing, lean production, process substitution, and flexible manufacturing upgrades, it has enabled the leap-forward development of digital elevators. With advanced technology to bring efficient production efficiency, the overall processing capacity is industry-leading.

			
D&I operation	Auto-manufacturing	Excellent service	Project breakthrough
Order Flow Digitization Product line digitization Equipment Management EAM Digitization	Sheet metal unmanned Host winding automation Flexible machining center automation	Short delivery time, low cost products and services Innovative manufacturing technology leading	AI visual inspection automatic welding equipment People-saving and labor-saving special machine robot project

Innovative structural efficient design

Efficient flexible processing The self-adjustment of process and material parameters is highly consistent. More reliable quality control through the new four-folded structure



Modular installation

Modular installation reduces welding structure, and the installation efficiency is increased by 10% compared with traditional products.



Production line plan

Innovative technology

Imported production line – Salvagnini S4+P4 sheet metal flexible production line, with advanced sheet metal flexible processing system. With automatic, high efficiency, good flexibility, intelligence, informatization, easy Usability and other features and advantages.



Salvagnini (automated production line)

Efficient delivery

Innovative structural design, new digital production line, new process application, improve delivery efficiency. Provide customers with comfortable and secure elevator services, calmly respond to various needs, and improve customer satisfaction.

		
intelligent	flexible	efficient

STAND DECORATION

Standard decoration



AJY-01

Retro

In the dialogue between modern minimalist design and traditional culture, we resonate with the space

- Ceiling: C026
M001 Baking paint metallic grey
Etching P001 painted steel board
Opal acrylic plate transparent indirect lighting
- Cabin Wall: Hairline stainless steel
Painted steel board+ etching 001
- Floor: F016 PVC Floor



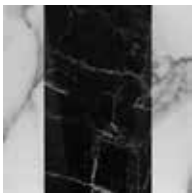
COP014
S-type integrated control box,
Hairline stainless steel



LOP008
Wall mounted outbound call box,
hairline stainless steel



B002W Button



F016
F016 PVC Mix



Hairline stainless steel

Cabin decoration optional



AZX-01

exclusive

The beauty of the level of space blocks makes Confucianism elegant, calm, peaceful and low profile

- Ceiling: C045
Soft film ceiling
Apple sand black border
- Cabin Wall: "Apple sand black+Anti fingerprint
Mirror black+Anti fingerprint panel"
Etching P020 baking varnish elegant gold
- Floor: F020, Grey marble



AWL-01

Perch

The warm wood tone, with a small amount of primary color stainless steel, releases a little cold and original atmosphere in the warmth.

- Ceiling: C033
Apple sand stainless steel
Front and rear LED lighting
- Cabin Wall: Apple sand platinum gold
P007 woodlike steel board
- Floor: F020, Moden grey marble



ASY-01

Shang Dynasty

Originated from the decoration style of the ancient Shang Dynasty in China

- Ceiling: C030
M002 Baking paint elegant gold
Mirror platinum gold
Acrylic transparent plate+LED lighting
- Cabin Wall: Apple sand platinum gold
Mirror platinum gold+etching P002
- Floor: F020 Olive grey marble



ALC-01

Ambiglow

Flying birds, in this short rest space, relive the good memories of childhood.

- Ceiling: C027
M002 Baking paint elegant gold
Acrylic transparent plate+LED lighting
- Cabin Wall: Apple sand bronze gold
Mirror platinum gold
Mirror platinum gold+etching P030
- Floor: F024, PVC



ACZ-01

Minimalism

Minimalism is a complex, abandoning too many complicated designs and pursuing a modern space that is more suitable for rest.

- Ceiling: C037
Middle apple sand stainless steel
LED light strip hidden in milky acrylic board around
- Cabin Wall: Apple sand + anti fingerprint
Mirror stainless steel + anti fingerprint
Matte white sprayed steel plate
- Floor: F020, black and white



AWL-01

Quiet

Here, enjoy the relaxation of body and mind, and feel the feeling of calm down in a quiet space.

- Ceiling: C043
Soft film ceiling
Apple sand dark brown frame
- Cabin Wall: "Apple sand platinum gold + anti fingerprint
Mirror platinum + anti fingerprint trim strip"
Apple sand dark brown + anti fingerprint
- Floor: F020, Grey Marble



AYG-01

Accord-W

Under the design of fusion and penetration, the spatial levels and materials are simple and refined, bringing people a natural experience of simplicity, comfort and leisure.

- Ceiling: C040
Matte white sprayed steel plate
P007 woodlike stainless steel
Hidden LED light belt
- Cabin Wall: Apple sand + anti fingerprint
Mirror stainless steel + anti fingerprint
"P007 woodlike stainless steel+Matte white sprayed steel plate Hidden LED light belt"
- Floor: F020, Moden grey marble



ADY-01

Interlace

You and me, in this crisscross space, talk more happily.

- Ceiling: C051
Apple sand bronze gold
Matte white sprayed steel plate
Middle LED lighting
- Cabin Wall: Apple sand bronze gold + anti fingerprint
Art decorative board
- Floor: F020, Bulgarian grey marble

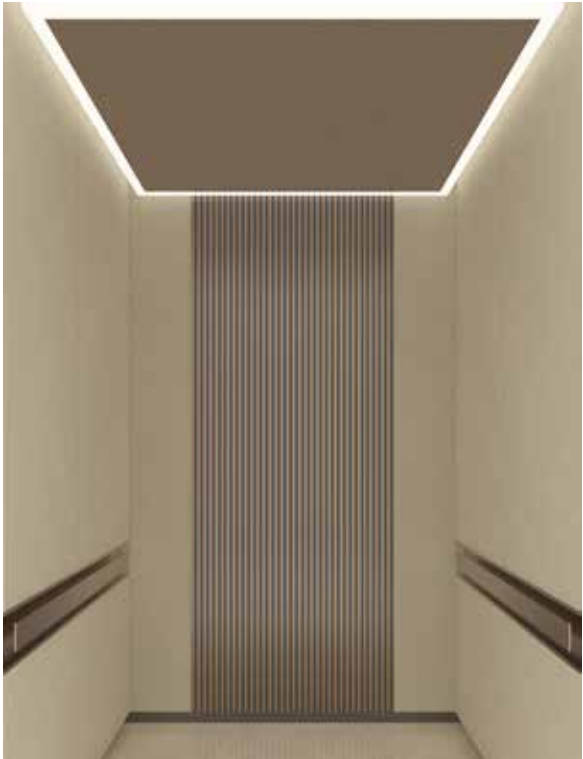


AZY-01
Rhythm
We are constantly chasing light, which turns ordinary things into magic.

Ceiling: C031
M002 baking varnish elegant gold
Mirror bronze gold + etching p003
Acrylic light transmission plate +led light

Cabin Wall: Corrugated bronze gold
Mirror bronze gold + etching p003

Floor: F020, Olive grey marble



AWJ-01
Gentle
The vertical arrangement of grid array extends the handrail belt horizontally, forming a modern art space with clear vertical and horizontal moving lines.

Ceiling: C034
M002 baking varnish elegant gold
Transparent acrylic hidden LED light band around

Cabin Wall: Apple sand bronze gold + anti fingerprint
P008 decorative film steel plate

Floor: F020, Magnolia marble



ALJ_01
Gilding
In the flowing golden charm, modern life and oriental charm are perfectly integrated.

Ceiling: C028
M002 baking varnish elegant gold
Acrylic light transmission plate +led light

Cabin Wall: Apple sand bronze gold
Mirror platinum
Mirror platinum+etchingP031

Floor: F024, Single color PVC



AYZ-01
Charm
The warm stainless steel luster emphasizes the beauty of scattered lines and surfaces in the space.

Ceiling: C038
M002 baking varnish elegant gold in the middle
LED light strip hidden in milky acrylic board around

Cabin Wall: Apple sand bronze gold + anti fingerprint
Mirror + anti fingerprint trim
Matte white sprayed steel plate

Floor: F020, Magnolia marble



AYM-01
Accord-Y
In the full charm of light and shadow, create a comfortable space with elegant style.

Ceiling: C041
Apple sand titanium gold
Matte white sprayed steel plate
Hidden light belt

Cabin Wall: Apple sand black + anti fingerprint
Mirror Black + anti fingerprint
"Apple sand titanium gold + anti fingerprint
Matte white sprayed steel plate"

Floor: F020, Magnolia marble



AFY-01
Abstract
The crystal luster of stainless steel endows the quiet rest space with a sense of flexibility.

Ceiling: C032
M001 Baking paint metallic grey
Mirror hairline stainless steel
Acrylic light transmission plate +LED light

Cabin Wall: Apple sand stainless steel
Mirror hairline stainless steel+Etching P004

Floor: F020, Olive grey marble



ALX-01
Share
We firmly believe that the beauty of nature will never be out of date, and it is also the eternal value rooted in your heart. We try to keep a distance from secular interests and spend other people's time chasing flashiness to create taste and style.

Ceiling: C050
M002 baking varnish elegant gold Apple sand titanium gold trim strip LED lighting in the middle, hidden atmosphere lights around

Cabin Wall: Apple sand bronze gold + anti fingerprint
P011retro craft + anti fingerprint

Floor: F020, Bulgarian grey marble



ALG-01
Moment
Flowing lines perfectly reflect the beauty of contemporary space.

Ceiling: C029
M001 Baking paint metallic grey
Acrylic light transmission plate +LED light

Cabin Wall: Apple sand stainless steel
Mirror hairline stainless steel
Mirror hairline stainless steel+Etching P031

Floor: F037, PVC parquet



AWS-01

Windsor

Bronze embellishments are reasonably distributed throughout the space, and the feeling of urban modern luxury is naturally released.

- Ceiling: C035
Soft film ceiling
Apple sand black titanium frame
- Cabin Wall: Apple sand bronze+Anti fingerprint
Black mirror+Anti fingerprint
Apple sand bronze+Etching P009
- Floor: F021, Jazz white marble + decorative copper strip



AWR-01

Dawn

No matter day or night, the experience brought by space is full of endless possibilities. We regard it as the emotional power of our inner pursuit, and we will never abandon it.

- Ceiling: C036
Apple sand stainless steel
Front and rear LED lighting
- Cabin Wall: Apple sand +Anti fingerprint
P016 Decorative film steel plate
- Floor: F020, Modern grey marble



AZZ-01

Resolution

Black, white and gray of different color scales, reconcile a minimalist fashion space.

- Ceiling: C039
M001 baking paint metallic grey in the middle
LED light strip hidden in milky acrylic board around
- Cabin Wall: Apple sand black+Anti fingerprint
"Mirror+Anti fingerprint panel
Matte white sprayed steel plate"
Apple sand +Anti fingerprint
- Floor: F023, Black and white marble inlaid with copper strips



AYY-01

Accord-B

The world seems calm, but there are infinite possibilities, both contradictory and harmonious, just like us at present, both simple and complex.

- Ceiling: C042
P016 decorative film steel plate
Matte white sprayed steel plate
Hidden light belt
- Cabin Wall: Apple sand Platinum+Anti fingerprint
Mirror platinum+Anti fingerprint
"P016 decorative film steel plate
Matte white sprayed steel plate"
- Floor: F020, Magnolia marble

Standard COP



COP014
S-type integrated control box,
Hairline stainless steel

Optional COP



COP007
L-type integrated control box,
Hairline stainless steel



COP015
Split tempered
glass control box



COP016
Wall mounted control box,
Hairline stainless steel



COP018
Split control box,
Hairline stainless steel

Standard HOP



LOP008
Wall mounted
outbound call box,
hairline stainless steel

Optional HOP



LOP009
Apple sand platinum
gold+anti fingerprint



LOP009
Hairline
stainless steel



LOP009
Apple sand bronze
gold+anti fingerprint



LOP009
Apple sand black
+anti fingerprint



LOP012
Apple sand platinum
gold + anti fingerprint



LOP012
Hairline
stainless steel



LOP012
Apple sand bronze
gold + anti fingerprint



LOP012
Apple sand black
+ anti fingerprint



LOP010
Tempered glass
outbound call box



LOP011
Touch screen
outbound call box

Standard buttons



B002W Button

Optional buttons



B003W Button



B004W Button



B005W Button



B006W Button



B004W button



B005W button

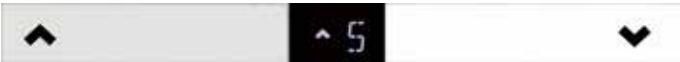
Arriving light



HL001 Landing Light



HL003 Landing Light



HL002 Landing Light

Standard HOP indicator



4.3SEG,
Dot matrix Display

Optional HOP indicator



4.3UPB,
LCD Display



4.3LFB,
LCD Display

Optional COP indicator



6.4SEG
Dot matrix display



10.4LFG
Color LCD



10.4LFKV
Multimedia color LCD



7UPD
Color LCD



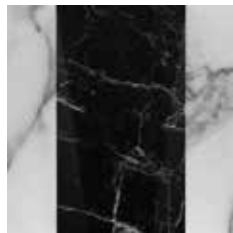
12LFAV
Multimedia color LCD



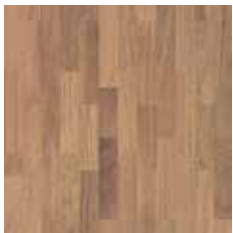
15LFAV
Multimedia color LCD

Standard floor decoration

Optional floor decoration



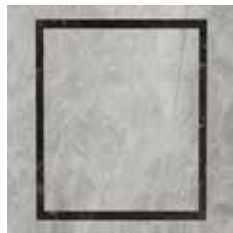
F016
PVC Mix



F017
PVC Woodlik



F018
Marble with grey
and bronze strip



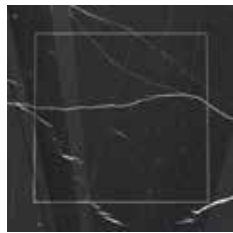
F019
Mix Marble



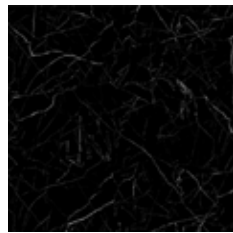
F020
Olive grey marble



F021
Jazz white marble +
decorative copper strip



F023
Black and white marble +
decorative copper strip



F024
PVC Black



F024
PVC Grey

Handrail



H001 circular handrail



H002 teak round handrail



H003 circular curved handrail



H004 flat handrail



H005 oval handrail



H005A oval handrail



H006 square handrail



H007 runway type handrail

Standard hall door



Hairline stainless steel

Optional hall door



Landing Door P038
Landing Door :
Sandblasting black +
etching P038
Doorjamb : Sandblasted
stainless steel



Landing Door P034
Landing Door : Mirror
platinum + etching P034
Doorjamb : Apple sand
platinum gold



Landing Door P036
Landing Door : Apple
sand bronze gold+etching
P036
Doorjamb : Apple sand
bronze gold



Landing Door P037
Landing Door : Mirror
sandblasting P037
Doorjamb : Sandblasted
stainless steel



Landing Door P035
Landing Door : Apple
sand bronze gold +
etching P035
Doorjamb : Apple sand
bronze gold

Electrical function list

Safety Protection Functions				Standard ● Option ○
No.	abbreviation	function	description	Standard/Option
1	SAFO	safety operation	The elevator can run only under safe conditions. The elevator that meets the conditions can start running, otherwise the elevator cannot start, and the running elevator stops immediately	●
2	MCCD	contact detection protection of main contactor	The system checks up whether any inconformity between main contactor drive output and contact detection, the elevator would activate fault protection.	●
3	BCCD	contact detection protection of brake contactor	The system checks up whether any inconformity between brake contactor drive output and contact detection, the elevator would activate fault protection.	●
4	SCCD	contact detection protection of sealing star contactor	1)After the main contactor is disconnected, the star sealing contactor is delayed to disconnect 2)The system checks up whether any inconformity between sealing star contactor drive output and contact detection, the elevator would activate fault protection."	●
5	BCD	contact detection protection of brake switch contactor	The system check the reliability of band-type brake through its switch. Protection will be launched once the band-type brake is found not reliable.	●
6	OSP	Over speed protection	Elevator would stop due to running speed higher than control limit.	●
7	LSP	Low speed protection	Elevator would stop due to running speed lower than control limit.	●
8	WDP	Wrong direction protection	When the system has detected an inconsistency between the elevator registered diretion and travel direction for a while, an emergency stop will be activated with the alarm buzzing on.	●
9	OL	Overload protection	If loading in car cage is bigger than 110% rated load, the door remains open with alarm buzzing on and visible warning notice.	●
10	SLFP	Safety circuit protection	Elevator would stop once safety circuit disconnect while elevator running.	●
11	DLFP	Door lock circuit protection	Elevator would stop once door lock circuit disconnect while elevator running.	●
12	MSP	Motor skidding protection	If the elevator in operation has traveled incessantly for a longer time than the value preset by the time limiter, the system will activate the skidding protection	●
13	MOP	Motor overheat protection	This protection function is setted to prevent the traction motor from overheating and causing dangerous operation. If the traction motor starts to overheat, the elevator car is driven to the nearest possible floor wherethe doors will open to let passengers out of the car . After the motor coolsdown the elevator will resume normal operation.	●
14	LSFP	Leveling switch fault protection	A protection functions to be activated in case of abnormal situations casued by failure of leveling switch.	●
15	UCMP	Unintended car movement protection	It can prevent passengers from being injured by unintended car movement when entering and exiting the car	●
16	SSD	Sealing star delay circuit protection	Short-circuit the three windings of the synchronous traction machine to prevent the elevator from being too fast and out of control when the brake is released	●
17	LWP	Limit switch protection	Limit switch installed at the top, bottom of the shaft will protect the elevator run over-travels.	●
18	DAP	Deceleration switch failure protection	When encountering the deceleration switch failure, elevator land in emergency to avoid possible top or bottom floor collision.	●
19	SLP	Leveling position failure protection	The elevator would activate fault protection when the automatically stopping floor is inconsistent with displaying floor	●
20	DOFP	Door opening fault protection	The elevator would activate fault protection when door cannot be opened after the specified number of consecutive times.	●
21	DCFP	Door closing fault protection	The elevator would open the door and activate fault protection in case door cannot be closed after the specified number of consecutive times, or the door lock cannot be closed after the door close.	●
22	DLSCD	Door lock short circuit detection	In automatic state, whether every landing door lock and car door lock are shorted would be detected after the elevator arrive at leveling area and opens the door.	●
23	DOCPD	Open & close door achieving detection	The elevator would activate fault protection in case door open achieving signal and door close achieving signal activate at the same time.	●
24	LCP	Light curtain protection	In automatic state, the light curtain detects if there are passengers or other objects between the doors and so prevents the doors from closing	●
25	BFDP	Brake Torque Detection Function	1)When the braking torque is slightly insufficient after detection, the elevator can operate normally. Record the fault and prompt to report it, and repair it as soon as possible. 2)When the braking torque is seriously insufficient after detection, the elevator door closes and activate fault protection, which needs to be repaired immediately	●
26	WDTP	Master CPU protection by WDT	The master control PCB is integrated with WDT protection. When any CPU or program problems are detected, the WDT circuit will make a forced cutoff at the output terminals of the master control and reset the CPU	●

Trip Operating Functions				Standard ● Option ○
No.	abbreviation	function	description	Standard/Option
1	FCC	Fully collective control	When in automatic or attendant control, the elevator stops in response to the in-car registrations while automatically follows landing calls up and down, i.e., a passenger can register his or her call at any landing.	●
2	FLNS	Full load non-stop	When a full loaded elevator can travels in automatic mode without attendant, the elevator will not answer any calls from its passing landings, stopping at the landings by in-car registrations only.	●
3	AS	Attendant service	Using the switch in the car operation panel, one can put the elevator into attendant service, under which the automatic door closing is absent and the door can only be closed when attendant keep pressing the door-closing button. Meanwhile the function can also allow attendant to choose direction and by-passing.	●
4	INDO	Independent trip	Independent trip is VIP trip function, during which the elevator overlocks all landing calls and automatic door-closing is absent. Other features are similar to attendant service.	●
5	FS	Fire emergency return	When the elevator receives the fire signal, the elevator will immediately clear out all instruction and call and then return to firefighting base floor, the elevator stop service with the door opening.	●
6	MLR	Main landing return	When the elevator travels in automatic mode without attendant service while setting this function in effect, the elevator which receives neither in-car nor landing calls will automatically return to the main landing within a given period of time determined by parameter setting.	●
7	PKS	Parking switch	Setting the parking switches of elevator in automatic mode or with attendant, and clear up all the registration call. The elevator only respond to the in-car instruction until no new instructions registered. Then the elevator returns to the base station, turns off in-car lighting and automatically close the door when 10 seconds time delay expired. Finally, the elevator stops running, and will be back to operation when the parking switch reset.	●
8	SAS	Leveling on changing destination landing	If the door has been opening longer than the setting time without activating the door open limit switch, the door will close and the elevator will travel to the next floor after the door is closed.	●

Controlling Functions				Standard ● Option ○
No.	abbreviation	function	description	Standard/Option
1	DIRD	Direct landing	The elevator can run only under safe conditions. The elevator that meets the conditions can start running, otherwise the elevator cannot start, and the running elevator stops immediately	●
2	LSSR	Self-rescue	When the elevator stays out of the leveling zone (not in inspection state), it will automatically move to the leveling zone slowly to evacuate the passengers only if meeting safety requirements of starting.	●
3	SLCF	Start-up loading weighting compensation	To improve passengers' comfort feeling while the elevator start up, the load compensation value is given based on the car load data inspected by the weighing device.	●
4	ACFP	Automatic correction in landing position signals	The travelling elevator system compare its own position signals at each terminal switch and the leveling switch of each landing against those obtained by self-study and making automatic data corrections accordingly.	●
5	FRDS	Front/rear door setting service	Passenger can make independent control of the front and rear door according to their own needs.	●

Inspection & Comissioning Functions				Standard ● Option ○
No.	abbreviation	function	description	Standard/Option
1	INSO	Inspection operation	When operation conditions are satisfied, an authorized person can inch the car by pressing and releasing the red button, he can move the car at inspection speed by continuously pushing down the button and stop it by releasing the button.	●
2	TESR	Testing operation	It is a function designed for measuring the performance of a new elevator. By setting a given parameter in testing travel on the master control board, a field engineer will put the elevator into automatic operation. Both the total number of trips and the interval time between trips of the testing travel can be determined by parameter setting.	●
3	FAUR	Fault history log	Keeps 20 fault records concerning the occurrence time, floors and fault codes.	●
4	LUA	Leveling overall-tuning	Adjust the leveling position of the floor in a tiny range at one time by debugging the equipment (when the upward or downward deviation for each floor is the same)	●
5	LFT	Leveling fin-tuning	Use the software to adjust the leveling switch position of each floor within a tiny range. So the complicated procedure of adjusting leveling plug-in board can be avoided.	●
6	OPEC	Operation counter	Operation counter (trip and hour, mean time between failure)	●
7	EIE	Evaluation on encoder interference	Use operator to check the interference of encoder signal	●
8	CIA	Evaluation on communication interference	Use operator to check the communication quality	●
9	HCBQ	External board search function	Use operator to check whether the external board at each floor work properly or not	●
10	EMBC	Evaluation and monitoring of balance coefficient	By setting the rated load and test parameter values, the empty load test and full load test are performed respectively, and the balance coefficient is displayed after the elevator automatically runs from the bottom floor to the top floor	●

Door Operating Functions				Standard ● Option ○
No.	abbreviation	function	description	Standard/Option
1	AUTD	Automatic door	When in automatic mode, the elevator door would be opened automatically as it arrive at assigned landing.	●
2	DOPS	Door opening setting	Whether the front and rear doors of each floor are allowed to open can be set as required	●
3	DOB	Door open button	When the car stays within the door zone, a passenger in the car can open a closed door or make a closing door reverse by pushing on the door-opening button.	●
4	DOTS	Waiting after door open	When the elevator travels in automatic state without attendant, the door closes automatically by a delay after the car arrives at a landing with the door open.	●
5	RDPB	Reopen door after push landing button	When the call button of this landing is pressed down, the car door opens automatically. If someone keeps pushing on the button, the door remains open.	●
6	DCB	Door close button	When the door is open in automatic state, the door can be closed immediately before the delay elapses by pushing the door-closing button.	●
7	DN	Door nudging	If the elevator keep door opening and no door-closing signal are sent due to light curtain or other reason, the elevator will be forced to close.	●
8	RDCF	Re-close door	In order to prevent door-closing failure from the contingent failure of the door machine system and possible door block by something, this function is therefore provided to re-close the door.	●
9	ODWL	Door opening standby function	Use parameter setting to choose the elevator door-opening and standby for main floor or other floors	●
10	DAVF	Door lock anti vibration	After the elevator door is closed in place, it will be delayed for a period of time to cancel the door closing output after the door lock is closed stably	●
11	DTH	Door torque holding	Set whether to continuously output the opening / closing command after the door is opened in place / closed in place according to the demand	●
12	DLBF	Door Lock Bypass Function	The function can prevent the abuse of the short-circuit wire of the door lock and forget to remove it after use	●

Electrical function list

Command Management Functions

Standard ● Option ○

No.	abbreviation	function	description	Standard/Option
1	WCC	Wrong call cancel	If a passenger realizes that he or she has pushed down a wrong button in the car panel, he or she can cancel the wrong registration by pushing the same button twice incessantly. The registered signal will be canceled.	●
2	REVC	Clear registrations at changing direction	When the elevator car arrives at the last landing and is about to reverse the direction, all the registrations behind its present travel will be cancelled at once.	●
3	SLS	Service landing setting	The function can setting at which floors the elevator serves and which floors the elevator does not serve.	●
4	BAD	Relieve button adhesion	The system automatically recognizes the button adhesion, and the signal of the button will not be accepted after the adhesion fault occurs; Until the button contact with adhesion failure is disconnected, the system will accept the button signal again, and the button will return to normal use	●

Voice Soothing Function

Standard ● Option ○

No.	abbreviation	function	description	Standard/Option
1	SSVC	Voice Soothing Function	After the elevator breaks down, the passengers will be informed of the soothing voice information	●

Optional Function

Standard ● Option ○

No.	abbreviation	function	description	Standard/Option
1	ARED	Automatic rescue device	When the car has stopped between floors and passenagers are trapped because of a failure of power supply , the car emergency operation will be activated, and the door will be opened to release people at the nearest landing.	○
2	EQO	Earthquake function	Upon operation of a seismic detector, every elevator in the group should immediately stop and make a correction drive down at the nearest possible floor.	○
3	ADO	Door open in advance	The option enable leveling elevator to open door immediately upon arrival at the pre door-opening zone. In this way the elevator operation is more efficient.	○
4	IDC	Independent control function of front and rear doors	1) the independent control of front and rear doors of the rear door control box; 2) the independent control of front and rear doors when there is a rear landing operting panel	○
5	CCM	Car arrival gong	The Up/Down arrival goog in car will ring as the elevator decelerate and level, alarming the passengers that the elevator is leveling and about to arrival.	○
6	MIT	Peak Service Function (Upward)	In automatic state or attendant service state, when the elevator is running, it only responds to the upward button at all landing meanwhile responding to the command signal in the car	○
7	MOT	Peak Service Function (Downward)	In automatic state or attendant service state, when the elevator is running, it only responds to the downward button at all landing meanwhile responding to the command signal in the car	○
8	SSMF	Voice annunciation (arrival)	The broadcaster will report the upcoming floor during the leveling process and report the running direction of the elevator at each time of door-closing. (The voice resource is input by customer)	○
9	SSMX	Voice annunciation (door opening)	The broadcaster will report door opening tips at each time of door-opening. (The voice resource is input by customer)	○
10	SSMBGDM	Voice annunciation (background music)	The broadcaster will broadcast background music when the elevator is running.	○
11	AGVLF	AGV linkage function	Link with intelligent robot AGV(Automated Guided Vehicle), AGV can automatically use the elevator to other floors	○
12	CARFR	Face recognition function (in car)	Face recognition equipment is used in the car to control the authority of elevator passengers. Recogniting is correct, the floor of passengers is automatically registered. Passengers' hands are safer no need to touch the panel.	○
13	HALLFR	Face recognition function (landing)	Face recognition equipment is used at landing to control the authority of elevator passengers. Recogniting is correct, automatically register the up/down direction command according to the floor of passenger. Passengers' hands are safer no need to touch the panel.	○
14	ELEIOT	Internet of things function	Using Internet of things technology to establish a big data platform processing system for elevator remote detection, electronic operation and maintenance, full life cycle fault analysis and health intelligent prediction, and send the collected elevator alarms, events, faults and other signals as well as comprehensive operation and status data to the remote application platform in time. Through the data analysis and processing of the platform, the intelligent management of the elevator is realized	○
15	CARC	Video monitoring	Through the camera equipment, real-time monitoring of the status of passengers and the environment in car cage.	○
16	SFFS	Second refuge floor	If detect fire at main fire refuge floor, elevator returning to the 2nd fire refuge floor, opening the door to release passengers	○
17	FIRS	Fireman service	When the fireman 's switch is set on, the elevator will immediately clear out all instruction and call and then return to main fire refuge floor, the elevator stop service with the door opening. The fireman operates the door open/close and floor registration, after the elevator returns to the main fire refuge floor and resets the fireman' s switch, then the elevator can switch to normal operation.	○
18	SECL	Security floor setting	The security floor function make the security floor is effective during customer setting period. Every time the elevator passes the security floor, it will stop and then run to next destination floor.	○
19	ANTI	Anti- nuisance	When the elevator in light load, the in-car registrations have reached or exceeded the setting value(5). The system will clear all the registration.	○
20	VISF	Visitor services	When there are customers visiting, the restricted floor is open for visitors	○
21	SDF	Earthquake function	Upon operation of a seismic detector, every elevator in the group should immediately stop and make a correction drive down at the nearest possible floor.	○
22	RELE	Re-leveling	When the system detects that the leveling is inaccurate, re-leveling will start with the car running at a low speed (recommend be selected with high-rise lifts)	○
23	EAROP	Door open in advance	The option enable the leveling elevator to open door immediately upon arrival at the pre door-opening zone. In this way the elevator operation is more efficient.	○
24	TDFE	Service floor by time setting	The specied floor would be setting to serve within a specied time, and other floors will not serve	○
25	PELS	Parking by time setting	Set the elevator parking at a specific time	○
26	TIMACS	Arrival gong by time setting	Set the start and end time, and enable the arrival gong function within the time period, which is mainly used to cancel the arrival gong ringing at night	○



PLANNING DATA

	CAPACITY	PERSONS	SPEED	CAR SIZE	DOOR SIZE	SHAFT SIZE	OVERHEAD	PIT DEPTH
	(kg)		(m/s)	(CWxCDxCH)	(DWxDH)	MIN. (SWxSD)	MIN. (OH)	MIN. (PD)
MACHINE ROOM LESS LIFT CWS (counterweight at side)	630	8	1.0	1100 × 1400 × 2300 ⁴⁾	C2 ¹⁾ 800 × 2100	1850 × 1800	4000 / 3900 ²⁾	1200
			1.5 / 1.6				4250 / 4150 ²⁾	1350
			1.75				4300 / 4200 ²⁾	1400
	800	10	1.0	1350 × 1400 × 2300	C2 800 × 2100	2000 × 1800	4000 / 3900 ²⁾	1200
			1.5 / 1.6				4250 / 4150 ²⁾	1350
			1.75				4300 / 4200 ²⁾	1400
			2.0				4400	1450
			2.5				4600	1700
			2.5				4600	1700
	1000	13	1.0	1600 × 1400 × 2300	C2 900 × 2100	2250 × 1800	4000 / 3900 ²⁾	1200
			1.5 / 1.6				4250 / 4150 ²⁾	1350
			1.75				4300 / 4200 ²⁾	1400
			2.0				4400	1450
			2.5				4600	1700
			2.5				4600	1700
	1000 (STRECHER)	13	1.0	1100 × 2100 × 2300	S2 ¹⁾ 1000 × 2100	1850 × 2550	4000 / 3900 ²⁾	1200
			1.5 / 1.6				4250 / 4150 ²⁾	1350
			1.75				4300 / 4200 ²⁾	1400
			2.0				4400	1450
			2.5				4600	1700
	1150	15	1.0	1800 × 1400 × 2400	C2 1100 × 2100	2600 × 1800	4100	1200
			1.5 / 1.6				4350	1350
			1.75				4400	1400
			2.0				4550	1450
			2.5				4750	1700
			2.5				4750	1700
	1250	16	1.0	2000 × 1400 × 2400	C2 1100 × 2100	2700 × 1800	4100	1200
			1.5 / 1.6				4350	1350
			1.75				4400	1400
			2.0				4550	1450
			2.5				4750	1700
	1350	18	1.0	2000 × 1500 × 2400	C2 1100 × 2100	2750 × 1900	4100	1200
			1.5 / 1.6				4350	1350
			1.75				4400	1400
			2.0				4550	1450
			2.5				4750	1700
	1600	21	1.0	2000 × 1700 × 2400	C2 1100 × 2100	2750 × 2100	4100	1200
			1.5 / 1.6				4350	1350
			1.75				4400	1400
			2.0				4550	1450
			2.5				4750	1700
	1600 (STRECHER)	21	1.0	1400 × 2400 × 2400	S2 ¹⁾ 1200 × 2100	2150 × 2850	4100	1200
			1.5 / 1.6				4350	1350
			1.75				4400	1400
			2.0				4550	1450
			2.5				4750	1700
			2.5				4750	1700

Note:
1) C2 is 2 panel central opening door, S2 is 2 panel side opening door.
2) The value is available for code EN81-1, other value is available for both EN81-20 and EN81-1.
3) In case false ceiling, the overhead shall increase 150mm.
4) Available car height: 2050~3200mm.

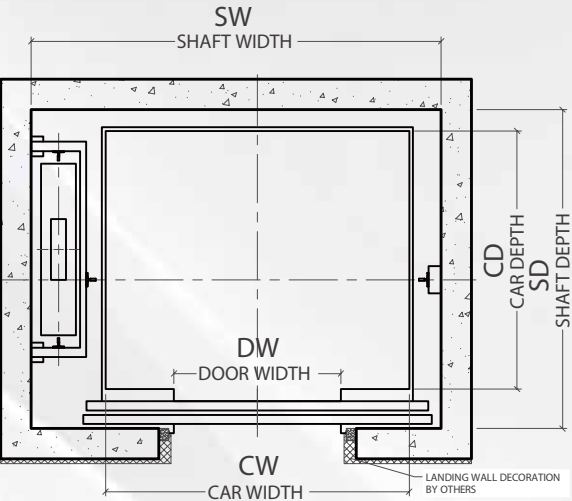
SPEED (m/s)	1.0	1.5 / 1.6	1.75	2.0	2.5
TRAVEL MAX.(m)	50	75	90	110	125

	CAPACITY	PERSONS	SPEED	CAR SIZE	DOOR SIZE	SHAFT SIZE	OVERHEAD	PIT DEPTH
	(kg)		(m/s)	(CWxCDxCH)	(DWxDH)	MIN. (SWxSD)	MIN. (OH)	MIN. (PD)
MACHINE ROOM LIFT at rear	630	8	1.0	1100 × 1400 × 2300 ⁴⁾	C2 ¹⁾ 800 × 2100	1850 × 2000	3800 / 3600 ²⁾	1450 / 1200 ²⁾
			1.5 / 1.6				4050 / 3900 ²⁾	1600 / 1350 ²⁾
			1.75				4100 / 3950 ²⁾	1650 / 1400 ²⁾
			2.0				4200 / 4050 ²⁾	1700 / 1450 ²⁾
	800	10	1.0	1400 × 1350 × 2300	C2 800 × 2100	1850 × 1950	3800 / 3600 ²⁾	1450 / 1200 ²⁾
			1.5 / 1.6				4050 / 3900 ²⁾	1600 / 1350 ²⁾
			1.75				4100 / 3950 ²⁾	1650 / 1400 ²⁾
			2.0				4200 / 4050 ²⁾	1700 / 1450 ²⁾
			2.5				4450 / 4250 ²⁾	1850 / 1700 ²⁾
	1000	13	1.0	1600 × 1400 × 2300	C2 900 × 2100	2050 × 2000	3800 / 3600 ²⁾	1450 / 1200 ²⁾
			1.5 / 1.6				4050 / 3900 ²⁾	1600 / 1350 ²⁾
			1.75				4100 / 3950 ²⁾	1650 / 1400 ²⁾
			2.0				4200 / 4050 ²⁾	1700 / 1450 ²⁾
			2.5				4450 / 4250 ²⁾	1850 / 1700 ²⁾
MACHINE ROOM LIFT at side	630	8	1.0	1100 × 1400 × 2300	C2 800 × 2100	1850 × 1800	3950 / 3550 ²⁾	1200
			1.5 / 1.6				4100 / 3800 ²⁾	1350
			1.75				4250 / 3850 ²⁾	1400
			2.0				4350 / 3950 ²⁾	1450
	800	10	1.0	1350 × 1400 × 2300	C2 800 × 2100	2000 × 1800	3950 / 3550 ²⁾	1200
			1.5 / 1.6				4100 / 3800 ²⁾	1350
			1.75				4250 / 3850 ²⁾	1400
			2.0				4350 / 3950 ²⁾	1450
			2.5				4600 / 4200 ²⁾	1700
	1000	13	1.0	1600 × 1400 × 2300	C2 900 × 2100	2250 × 1800	3950 / 3550 ²⁾	1200
			1.5 / 1.6				4100 / 3800 ²⁾	1350
			1.75				4250 / 3850 ²⁾	1400
			2.0				4350 / 3950 ²⁾	1450
			2.5				4600 / 4200 ²⁾	1700
			2.5				4600 / 4200 ²⁾	1700

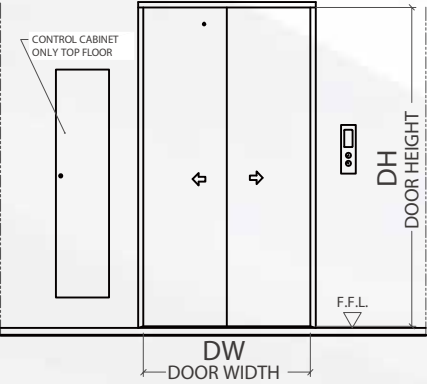
Note:
1) C2 is 2 panel central opening door, S2 is 2 panel side opening door.
2) The value is available for code EN81-1, other value is available for both EN81-20 and EN81-1.
3) In case false ceiling, the overhead shall increase 150mm.
4) Available car height: 2050~3200mm.

SPEED (m/s)	1.0	1.5 / 1.6	1.75	2.0	2.5
TRAVEL MAX.(m)	50	75	90	110	125

EVIN—Machine room less elevator

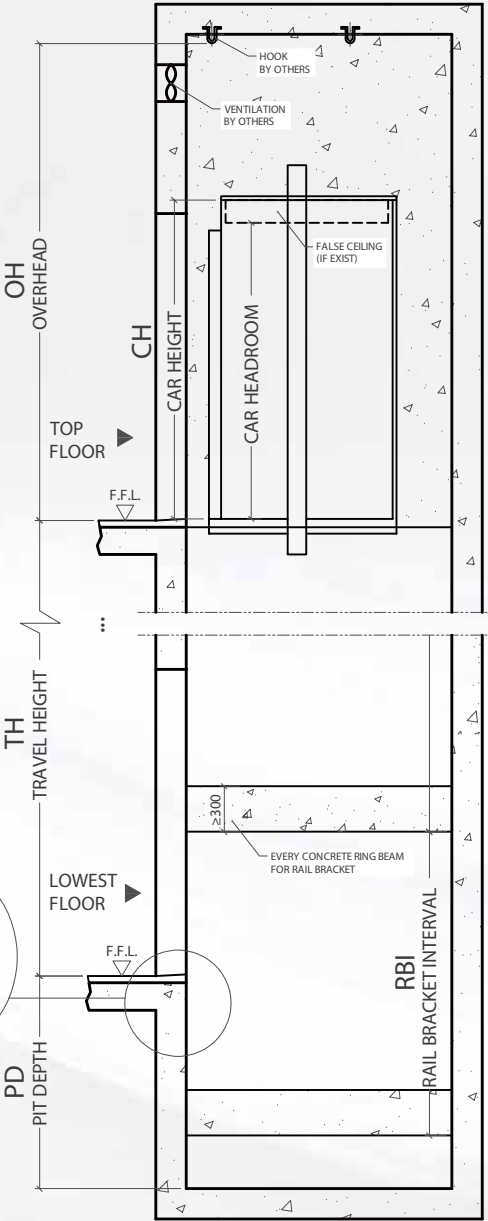


SHAFT PLAN

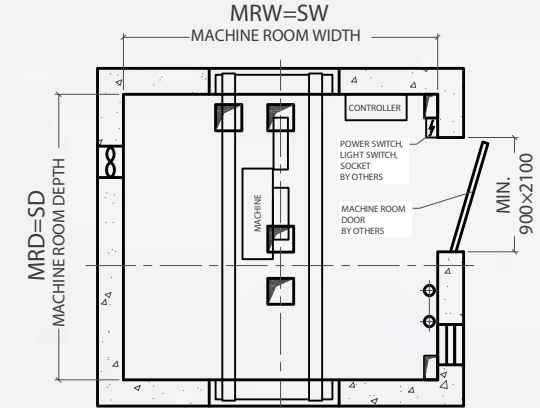


LANDING ELEVATION

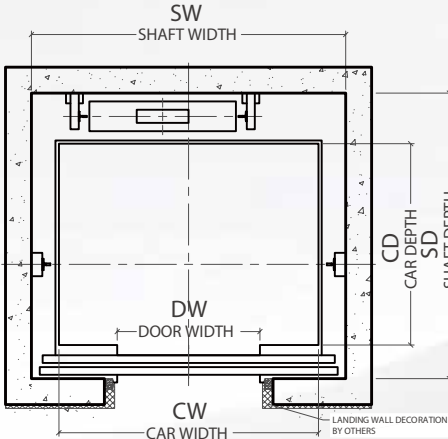
NOTE: PLEASE REFER TO THE PROJECT GAD FOR MORE DETAILS.



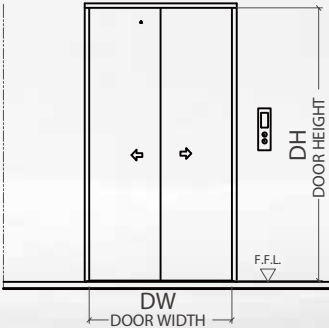
SHAFT SECTION



MACHINE ROOM PLAN

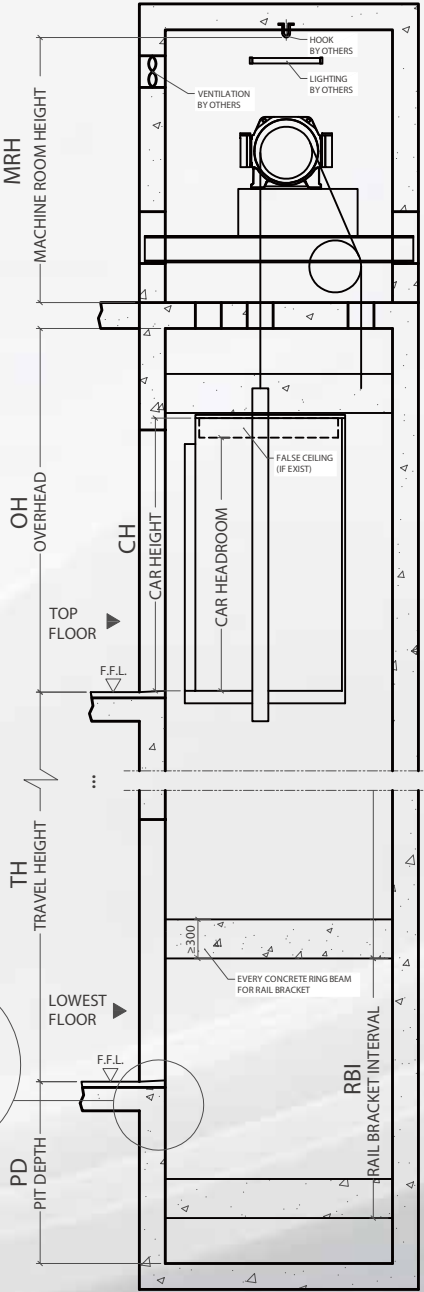


SHAFT PLAN



LANDING ELEVATION

NOTE: PLEASE REFER TO THE PROJECT GAD FOR MORE DETAILS.



SHAFT SECTION

SAMPLE PROJECT

RUSSIAN AREA



- Location: Pskov , Russia
- Passenger Elevator -4units
- Escalator -4units



- Location: Kazakhstan
- Escalator -2units



- Location: Uzbekistan
- Escalator -4units



- Location: Uzbekistan
- Passenger Elevator -8units



SOUTHEAST ASIA



📍 Location: , Vietnam

🏢 Freight Elevator -22units



📍 Location: Haiphong, Vietnam

🏢 Passenger Elevator -14 units

🏢 Freight Elevator -33 units



📍 Location: Binh Duong, Vietnam

🏢 Passenger Elevator-1 unit

🏢 Freight Elevator-13 units



📍 Location: Manila, Philippines

🏢 Passenger Elevator -14units

🏢 Escalator -16units



📍 Location: Binh Duong, Vietnam

🏢 Passenger Elevator-2 units

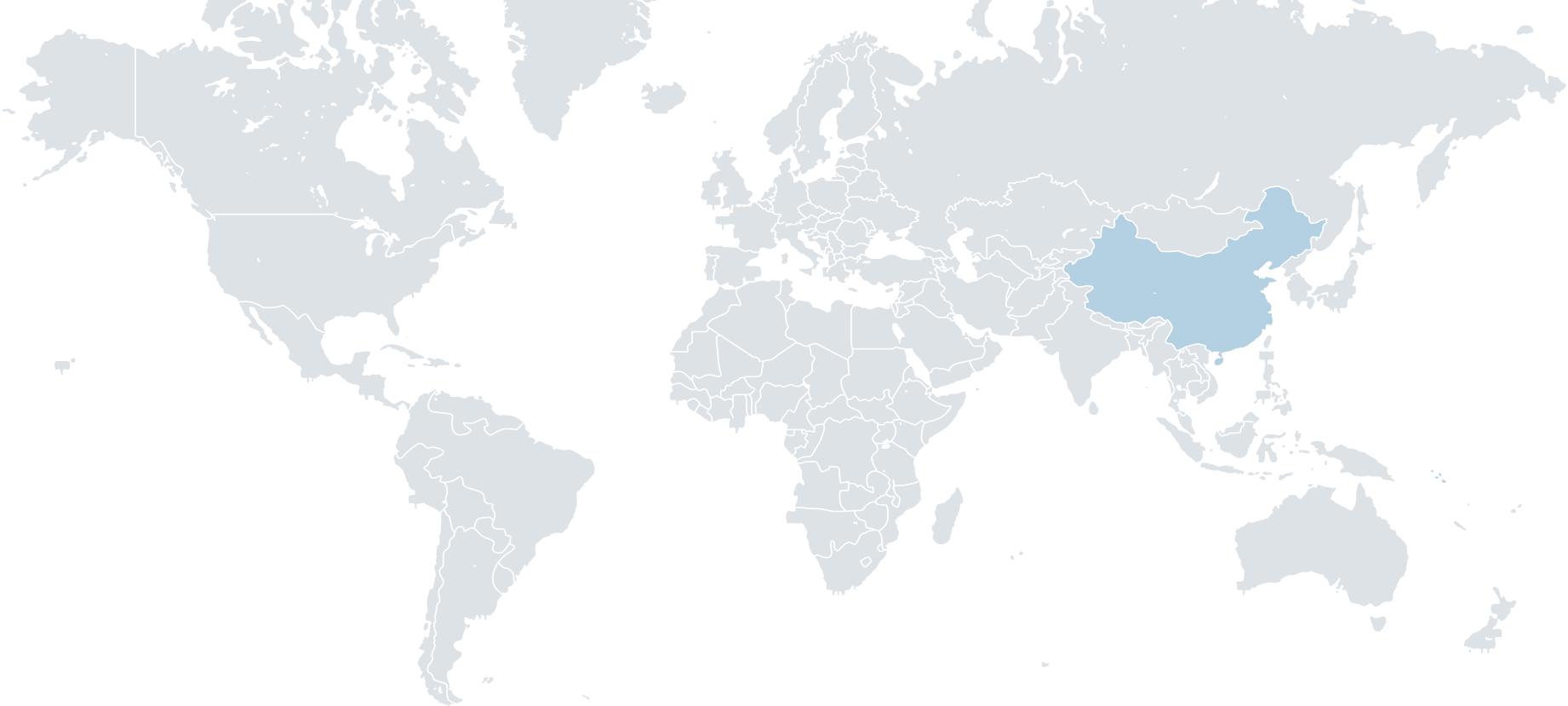
🏢 Freight Elevator-2 units



📍 Location: Kuala Lumpur, Malaysia

🏢 Escalator -8units

MIDDLE EAST



- Location: The Galleria, Pakistan
- Passenger Elevator -6 units
- Escalator -12units



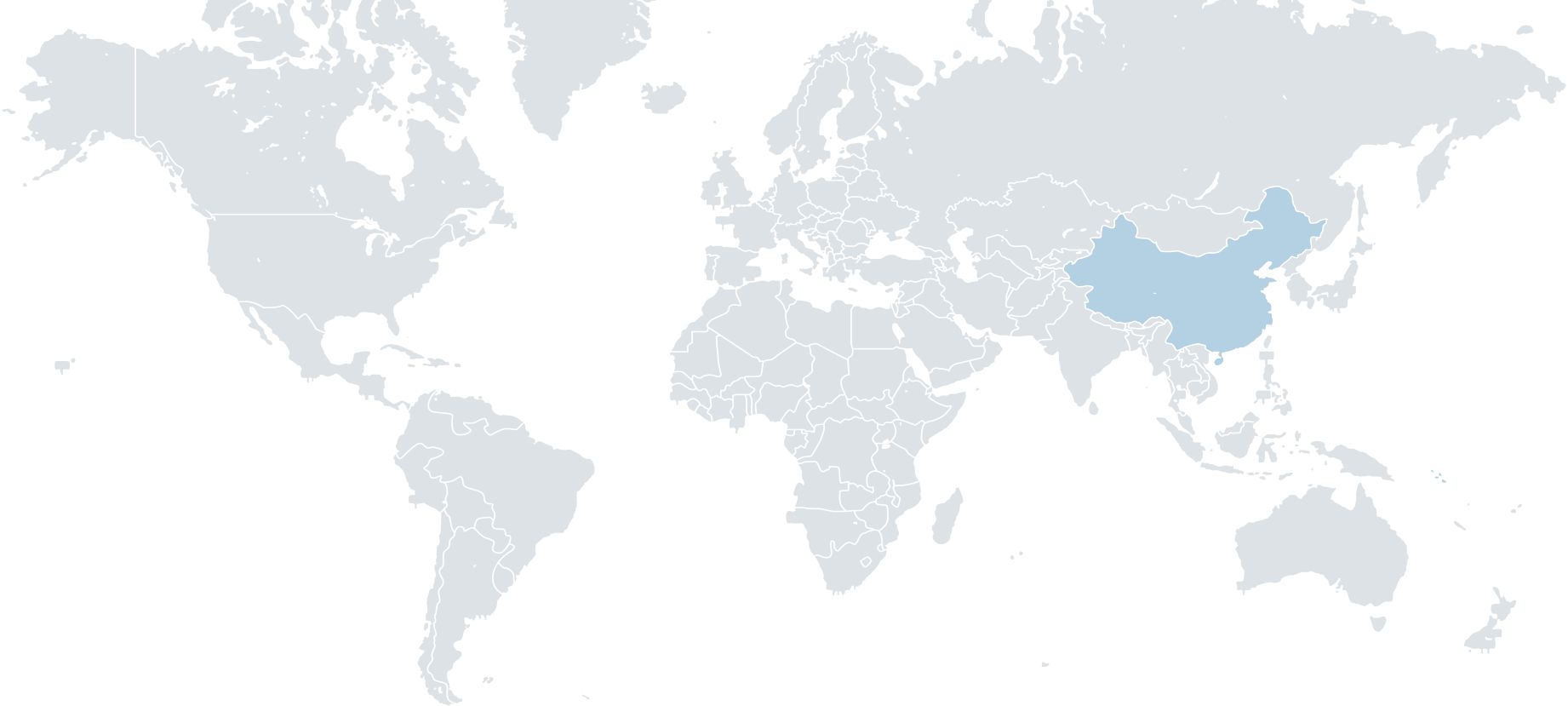
- Location: Dhaka, Bangladesh
- Hospital Elevator -4units



- Location: Royal Mall, Pakistan
- Passenger Elevator -8units



- Location: Dominion, Pakistan
- Passenger Elevator -18 units
- Escalator -34 units



AFRICA



Location: Accra, Ghana
Passenger elevator



Location: Kampala, Uganda
Passenger elevator



Location: Addis ababa, Ethiopia
Freight elevator



Location: Lagos, Nigeria
Passenger elevator



Location: Addis ababa, Ethiopia
Passenger Elevator -2units
Escalator -4units



Location: Mogadishu, Somalia
Passenger Elevator -4units



Location: Nairobi, Kenya
Passenger Elevator -4units



Location: Kigali, Rwanda
Passenger elevator

CHINA



Guangzhou Metro Station

- Location: Guangzhou, China
- Passenger Elevator
- Escalator



Tibet Railway section

- Location: Tibet, China
- Passenger Elevator
- Escalator



FU NING GARDEN(HONG KONG)

- Location: Hong Kong, China
- Passenger Elevator -16 units



Meijing Residential

- Location: Macau, China
- Passenger Elevator -18units