ZEIT ELEVATOR

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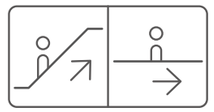
ZEIT ELEVATOR

Elevate Today, Move Tomorrow



- Escalator
- Moving Walks

Elavate Today, Move Tomorrow

The former subsidiary of GS E&C is embarking on a new journey as a key player within the 'Xi(Zeit)' brand.

Xi(Zeit) Elevator will continue to uphold the premium values of GS Construction, leveraging the trust and quality established by the parent company.

2025

ZEIT ELEVATOR

2025. 04 Changed company name to “ZEIT Elevator"

2020s

GS Elevator

2021. 09 Accredited ISO 9001 / 14001

2020. 07 GS E&C invest in a new business “GS ELEVATOR”

2000s

GS E&C

2005 Corporate name changed to “GS E&C”

1999 LG Construction and Engineering merge

1990s

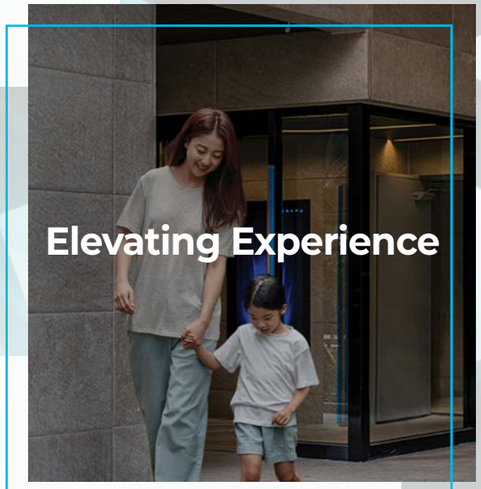
LG건설

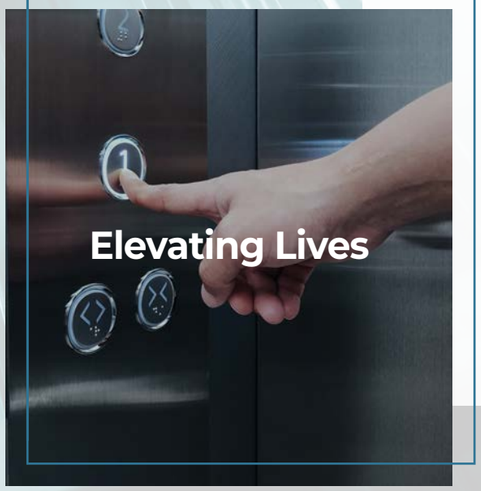
1995 Corporate name changed to : LGIS”

1968 Geumsung Co. launch elevator business

Manufactured domestically,
we promise the highest quality.

We provide differentiated experiences and satisfaction based on design for the environment, safety, and relaxation.





As an advanced product aiming for sustainability, we create new value.

Scope & Requirements

ZEIT Elevator's escalators and moving walks series are made of high strength profiles with rigorously advanced technology, adhering to safe, reliable and meticulous design concept, making them the best choice for modern commercial area, airport, large supermarket, shopping center, and city multimodal transportation hub.

Smart System, Carrying Large Passenger Flows

ZEIT Elevator adopts microcomputer VVVF technology, dual CPU processors, and multiple safety designs to guarantee smooth and stable running, high strength profiles, which are with strong bearing capacity, to guarantee high transportation efficiency with large passenger flows. Over 20 safety protective devices also ensure a safe and reliable transportation.

Fine Workmanship, Beautiful and Practical

Special surface treatment enables our product to be anti-skid, anti-oxidation and anti-rust. Detailed appearance design perfectly matches the environment. Flexible and adaptable architectural pattern saves valuable building space.

Comfortable, Smooth, and Endurable

Ergonomic design makes the start and stop steady and smooth. Big roller handrail belt drive is with little noise. Unique square tube structure is with high stability and longer service live.

Max rising height 30000mm

Max step width 1400mm

Max transportation capacity 8200p/hour

Escalator Series

Applicable to

- Shopping malls and supermarkets
- City multimodal transportation
- Outdoor scenic spot
- Clubhouse

Production Range of Application

- Rising height ≤ 30000mm
- Rated speed ≤ 0.65m/s
- Step width: 600mm/800mm/1000mm
- Inclination angle : 30°, 35°, 27.3°
- Capacity ≤ 7300P\hour

Moving Walk Series

Applicable to

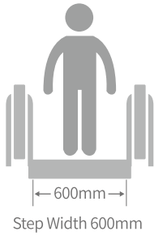
- Airport and railway station
- Large scale supermarket
- City multimodal transportation

Production Range of Application

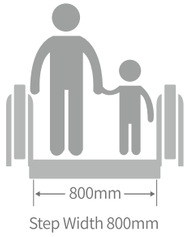
- Span length ≤ 105000mm
- Rated speed ≤ 0.75m/s
- Step width: 800mm/1000mm (When inclined degree is not more than 6°, step width can be 1200mm/1400mm)
- Inclination angle ≤ 12°
- Capacity ≤ 8200P\hour

Reasonable Layout Scientific Arrangement

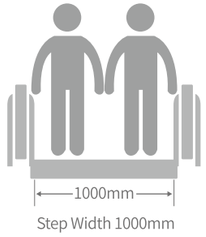
Escalator Step Width



Step Width 600mm



Step Width 800mm



Step Width 1000mm

Escalator Arrangement

Single Arrangement

This arrangement needs little space and installation position can be quite flexible. It can only fulfill transportation of one-way sequent passenger flow, mostly applied to small shopping malls or supermarkets.

Scissored Arrangement

This arrangement is applicable to larger shopping malls and public transportation areas, which can fulfill transportation of two-way sequent passenger flows.

Parallel Arrangement

This arrangement is applicable to large shopping malls or public transportation areas which are with large passenger flows. It can fulfill transportation of two-way sequent passenger flows. When one-way direction is with much larger passenger flows, you can adjust the running direction to meet any transportation needs.

Cross Arrangement

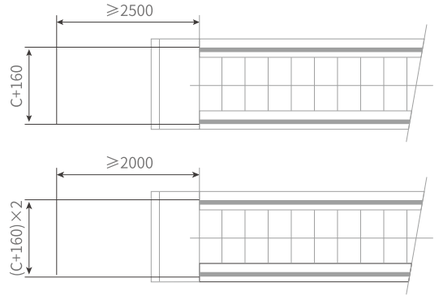
This arrangement can service two running directions which is widely used at shopping malls and more and more applied to government agencies and public areas. It can obviously reduce transportation time from floor to floor.

Installation Instructions

Notes

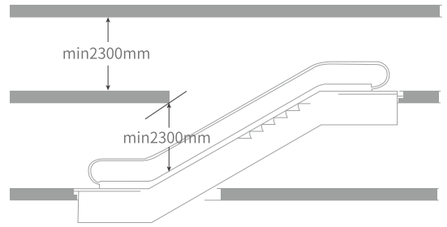
Beside all the sizes and requirements in the contract and layout, following requirements must be met as well.

- To ensure the safety operation of the escalator and moving walk, free space should be large enough in the landing area (See the minimum size right)
- C-Distance between the outer edge of two handrails.



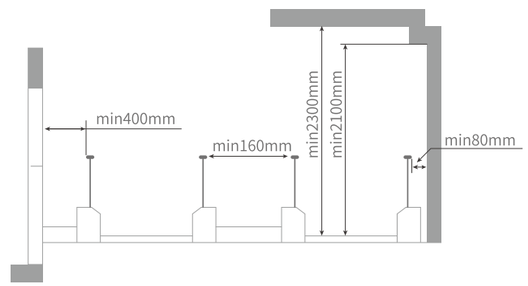
Overhead Safety Distance

- There should be at least 2.3m safety distance without any barriers from any point on the pallet/step to the overhead.
- If one paralleled escalator right above another one, with rising height less than 3.3m, then it's impossible to meet 2.3m overhead safety distance requirement.



Horizontal distance that must be guaranteed during escalator / moving walks installation:

- The horizontal distance between handrail edge to walls or other obstacles should be more than 80mm.
- Vertical safety distance above step/pallet should be more than 2300mm.
- Vertical safety distance above handrail area should be more than 2100mm.
- Regarding floors with holes or escalator/moving walks with cross arrangement, the horizontal safety distance from handrail distance between the outer edge to obstacles should be more than 400mm.
- If above requirements can't be met, then the special protection device and anti-bump guard board should be installed.
- As to details for special protection device and guard board, please contact with our sales person.

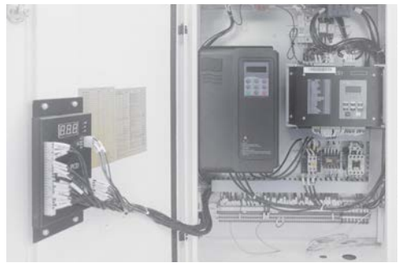


Commercial Escalator

ZEIT Elevator commercial escalator is designed based on human engineering and aesthetics concepts, which is with luxurious style, full of fashion and aesthetics feeling, being an additional visual view to modern constructions. All-around product varieties and specifications fully meet usage requirements in shopping mall or supermarket, big markets and etc.

Safety Monitoring System :

Dual 32-bit CPU, two-circuit redundant safety design, and DI input with opto-isolator enables the escalator to be safer.

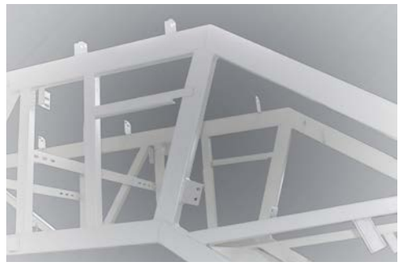


High Precision Worm Gear Reducer :

It can withstand continuously heavy load, enables the elevators to be steadier, with less vibration and noise.

High Strength Support Structure :

The sealing welded wide square tube truss is with high rigidity, good symmetry, strong bearing capacity and excellent stability.



Overspeed / Anti-reverse Detection Device :

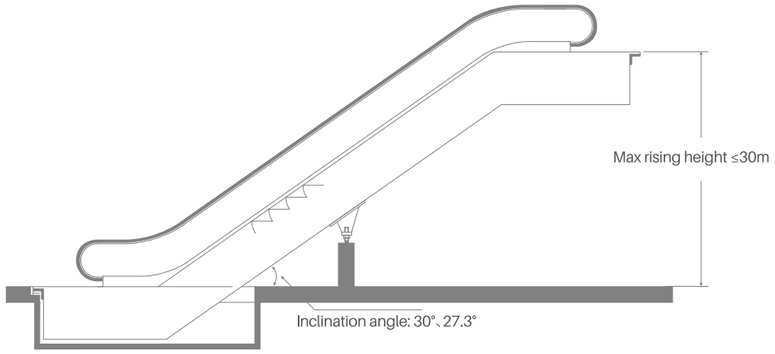
Dual CPU will synchronously detect the speed once escalator is detected to be under speed 80%, overspeed 120% or anti-reverse running, control system will stop the escalator immediately.

Other functions

Advanced VVVF speed adjustment technology	Intelligent energy saving control technology	Intelligent control system	Limit mute design
●	●	●	●
○	○	○	○

Public Escalator

Since the living pace of the city becomes faster and faster and people's increasing demands on better transportation environment and comfort, ZEIT Elevator public escalator is designed with leading technology, being safe and reliable, aiming to create modern transportation hubs, which can be widely used in public places like metro station, bus station, airports and etc.



Exquisite Material and Stable Structure :

We use quality guaranteed raw materials, whose performance are stable and with excellent forming effect after welding; use high specification square tube and angle steel, together with thick and solid truss bottom plate to guarantee stable and steady truss structure; equip with advance infrared calibration technology to improve truss forming quality.

European Certification, Perfect Choice :

Our product has passed EN1090 steel structure test, won wide recognition in the European markets, met latest European standards on earthquake and deflection, and already been widely put into Germany metro stations.

Strong, Stable and Reliable :

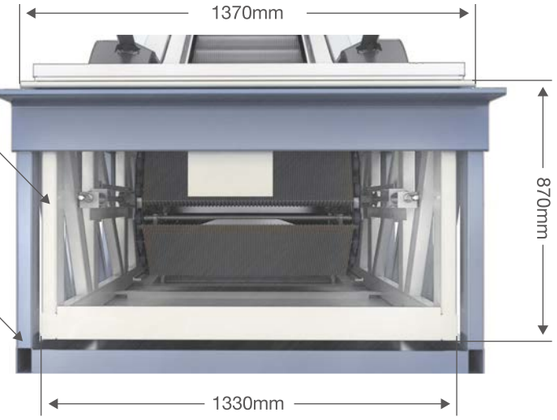
The main drive axle adopts mature and stable structure, uses self-aligning roller bearing, which is with large bearing capacity and long service life; when motor exceeds 120% rotating speed, the control system will take actions and the anti-reverse device will be activated to stop motor from non-maneuverable reversion.

Other functions

Advanced VVVF speed adjustment technology	Intelligent energy saving control technology	Intelligent control system	Strong performance and limit mute
●	●	●	●
○	○	○	○

Mini-type Escalator

As time goes by, aged escalators in shopping malls, supermarkets, bus station, metro station, airports and etc. are facing modernization or obsoleteness. However, the original components and parts needed for modernization is a big headache to most of people. Being dedicated to becoming industry leading escalator modernization solution expert, ZEIT Elevator succeed to develop Mini-type escalator, which can be widely applied to commercial area, shopping malls, office building, hotel and etc. sustainably assists city transportation.



Note:
The Mini-type escalator is directly embedded into the old truss to realize fast switching.

Maintain the Original Truss and Decoration :

ZEIT Elevator Mini-type escalator completely solves the problems for aged escalators, like frequently reported faults, high maintenance cost, without destroying original main truss body and surrounding decorations, which enables to make a quick switch from old escalator to a new one.

Super Strong Support, Steady and Comfortable :

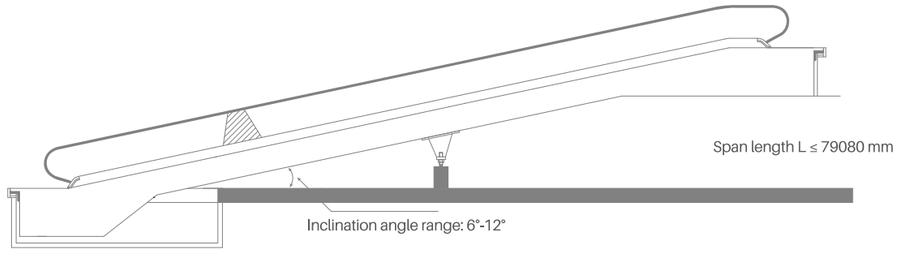
The mini-type escalator is with smaller comprehensive inclination angel, steadier running, and orderly ups and downs. It also equips with high strength truss support structure and streamline step system guide rail with large turning radius, which is safer and widely recognized and used by international clients. It will be assembled and commissioned in the factory first and then shipped to clients, which uttermost minimizes construction period, and guarantees product quality, smooth and comfortable running conditions.

More Time-saving and Economical :

Compact structure and high adaptation save a lot of precious time and cost for clients caused by traditional escalator modernization. Fully adopts advanced manufacturing technology, prolong whole components service life to save running cost. WF drive technology is optional, which can save energy consumption and greatly minimize whole escalator running cost as well.

Inclined Moving Walks

ZEIT Elevator inclined moving walks takes shopping and riding to a new simple and comfortable state. It not only satisfies huge passenger flows transportation needs, also meet requirements for long distance walk and transport suitable baggage cart and shopping cart etc., which greatly make travelling and shopping convenient.



Low Noise, Comfortable Riding Experience :

High precision roll-in forming galvanized guide rail, good anti-abrasion PU roller, high strength axle pallet chain, and integrated support plate enable the moving walks to be with higher precision, pallet running more smooth, improve rising comfort and lower running noise.

Stable Control, All-round protection

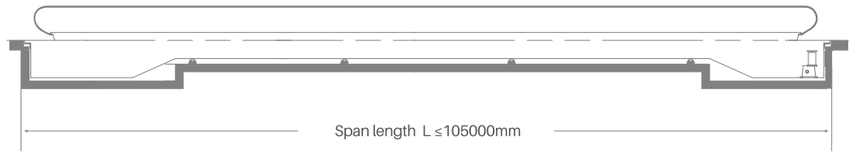
We adopt newly developed exclusive usage micro-computer control system, equipped with complete functions, which is able to achieve human-machine exchange, easy maintenance and superior performance. Safety switches are installed at every important parts, real-time monitoring whole moving walks running conditions. If any abnormal running condition is detected, it is able to brake and stop reliably, and shows fault code, which make maintenance efficient.

Other functions

Advanced VVVF speed adjustment technology	Integrated aluminum alloy floor plate	Intelligent control system	Perfect matching with cart
●	●	●	●
○	○	○	○

Flat Moving Walks

ZEIT Elevator flat moving walks transport passenger and goods with compact and solid pallets. Its design is more comfortable, steadier and safer. Advanced design concept and manufacturing technology bestows ZEIT Elevator moving walks superior quality including fashionable and outstanding outlook, being grand and luxurious, being safe and reliable, with low energy consumption etc., which enable our moving walks to be widely used in large supermarkets, airport, shopping center, metro station and etc.



More Space Saving, More Fashionable Outlook :

Adoption of fish-bellied beam short pallet design greatly minimized horizontal span and makes whole structure to be compact, able to flexibly applied to all kinds of construction layouts, saving construction spaces. Various handrail colors and punched patterned floor plate designs make colorful decoration possible, thus to meet different application environment personalization needs.

Perfect Riding Experience, Firm Earth Walking Feeling :

ZEIT Elevator flat moving walks adopts unique horizon design powerful drive and control device, enable passenger to feel no bumps, just like walk on firm earth. Various pallet width are available, which enables to control transport capacity freely.

Stable Control, Safe and Reliable :

We adopt excellent stability, strong anti-interference, and superior performance control system, which is easy to operate and free to commission Reliable safety monitoring devices are also equipped, which are small, exquisite, and with high sensitivity, all-round real time guarding safety.

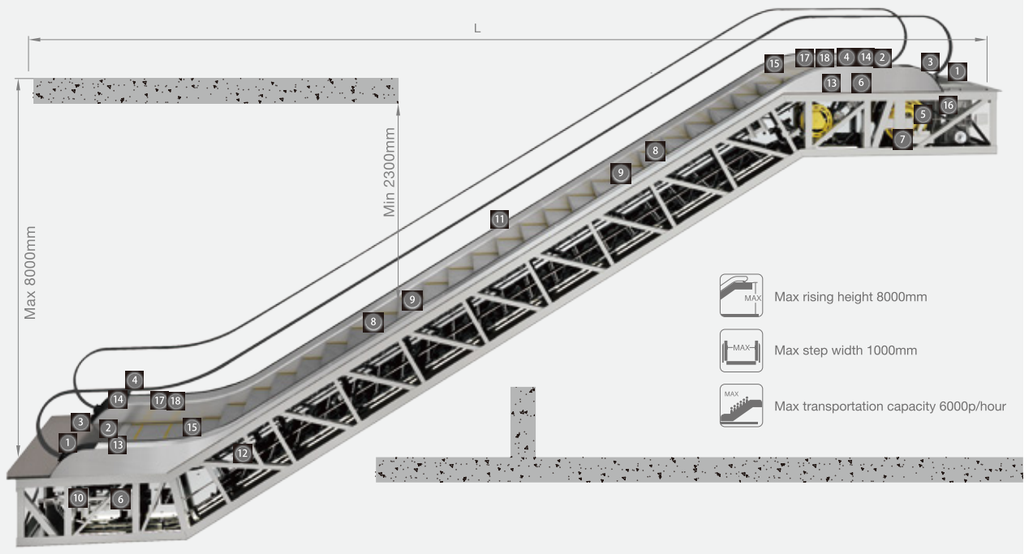
Other functions

Advanced VVVF speed adjustment technology	Integrated aluminum alloy floor plate	Intelligent control system	Energy saving lighting and lighting reminder
●	●	●	●
○	○	○	○

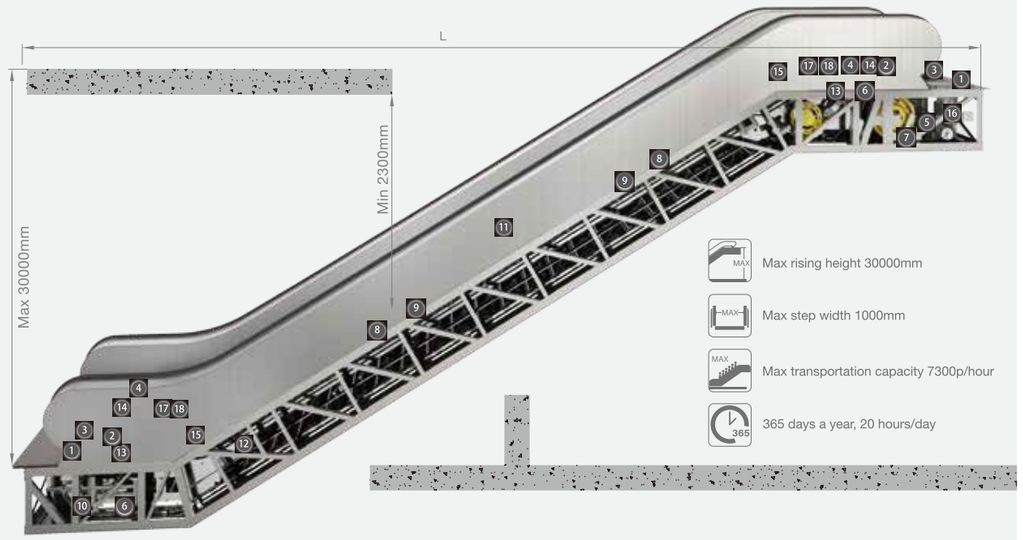
Safety

We have improved the safety of each series of products so that you can use it at ease every day!

Commercial Escalator



Public Escalator



Floor Plate Open Protection ①

When floor plate is opened, floor plate safety switch will be activated into protection function, which will stop escalator from running.

Passenger Detect Photoelectricity ④

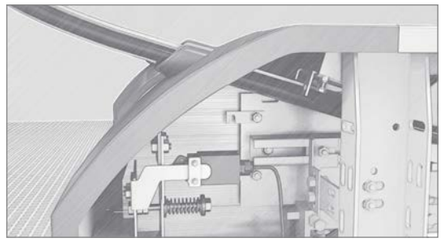
Auto-start, WF auto-start and VWF low speed modes are available. Passenger detect photoelectricity is used to detect passenger, thus the system can take escalator/moving walks start or stops and doing speed switch etc. control actions accordingly.

Comb Plate Protection ②

When unknown objects are into the comb plate, the comb plate will make some backward movement, the inclined block under comb plate will strike the safety switch and activate it. Thus the control system stop the escalator from running.

Entrance and Exit Protection ③

If any unknown objects get clamped at handrail entrance or exit, the safety switch will be cut off, and escalator stops from running then.

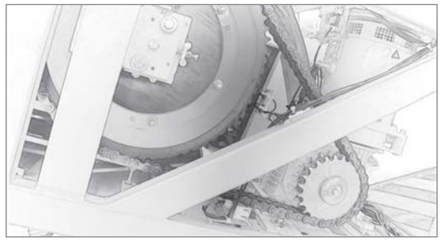


Main Drive Speed Detection ⑤

When escalator is under 80% rated speed, the control system will cut off motor power, thus escalator will stop from running.

Drive Chain Broken Protection ⑦

When drive chain is broken or unnecessarily long, it will activate the safety switch immediately and control system will stop the escalator from running.



Step Missing Protection ⑥

When any step is detected to be missing, the control system will stop the escalator from running.

Anti-static Protection ⑧

This device will induct step surface static electricity to ground, avoid passenger feeling shocked when get in touch with static electricity.

Anti-sagging Protection ⑨

When a step or roller is broken, step will sag, and it will activate the safety switch and then control system will stop the escalator from running.

Safety

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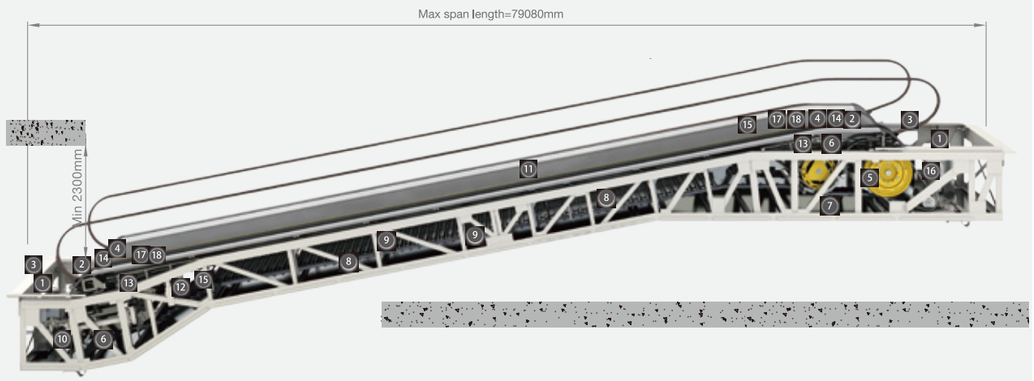
Moving Walk



Max step width 1000mm

Max rising height 8000mm

Max transportation capacity 6000p/hour

Running Direction Light(Optional) ⑭

It will show the passenger running direction, thus passenger can subjectively tell if they can go in and choose which side they should go (the one with running direction display means you can go in)

Key Switch Box ⑰

It enables escalator administrator to work on start/upward running/ downward running controls.

Skirt Panel Protection(Optional) ⑮

When unknown objects get clipped between skirt panel and step, the escalator/moving walks will be stopped from running.

Auxiliary Brake Electromagnet (Optional) ⑯

It is used to control auxiliary brake releasing or activating, which can protect passenger when there is any emergent situation.

Fault Display ⑱

When there is any faults, the fault display will show the fault codes to ensure that parts with faults can be precisely noticed, which greatly improve maintenance efficiency.

Functions

● Standard ○ Optional

Step chain broken protection device	Step chain broken switches are installed at the two sides of lower machine room.When the step chain is abraded or unnecessarily shortened with unknown reason, the safety switches will be activated to cut off the safety ciruit and the escalator stop running.	●	
Phase protection device	The device will be activated when power phase dislocation or lack detected, which will make the escalator stop running or unable to start.	●	
Drive chain safeyt device	If the drive chain is borken or unnecessarily long, it will touch and activate the safety switch, which will cut off the safety circuit and make the escalator stop running.	●	
Handrail entry protection device	If any unknown objects get clamped at handrail entry, the switch will be activated to cut off the satety circuit and the escalator stop running.	●	
Emergency stop button	Emergency stop buttons are installed at upper and lower ends. Press the energency stop buttons when there is any emergent situation to cut off the safety circuit stop the escalator from running.	●	
Comb plate safety device	When unknown objects are into comb plate, the comb plate will make some movements to front. When moves to a certain distance, the inclined block under comb plate will strike the safety switch and activate it,then the safety circuit will be cut of and the escalator stop running.	●	
Non-operating reversal protection device	When the escalator is changing its set running direction, the control system will make the motor off power,and the escalator will stop running.	●	
Landing plate opening protection device	The landing plate safety switch will be activated when landing plate is opened, which will cut off the safety circuit and the escalator stop running.	●	
Step missing protection device	When step is detected to be missing, the control system will stop the escalator from running.	●	
Handrail speed detection protection	When the handrail speed is not in accordance with step running speed,the system will stop the escalator from running.	●	
Step sagging protection device	when step or roller is broken, it will sag and activate the safety switch,which will cut off the safety circuit and stop the escalator from running.	●	
Motor overload protection	When the motor current is detected to over the set value,safety switch will be activated, then to stop the escalator from running.	●	
Circuit grounding device	Grounding device is set in control system circuit, which will effectively protect the electrical components from damages and improve the escalator running reliability.	●	
Overspeed & underspeed protection	when escalator is running at set overspeed or underspeed, the control system will cut off moter power so that the escalator will stop running.	●	
Upper and lower inspection switches and sockets	Inspection switches and sockets are installed at upper and lower machine room, which is convenient for the maintenance worker to do their job.	●	
Yellow demarcation lines	The steps are with yellow demarcation lines at front and sides, leading passengers to safely taking the escalator and improve the safety.	●	
Automatic lubrication device	Automatic lubricating system with oil level detection device will stop the escalator to awoid over abrasion.	●	
Brake release detecting	When the escalator is setting in motion and the brake didn't release, the control system will cut off motor power to stop the escalator form running to protect the machine.	●	
Step anti-static brush	This device will induct the step surface static electricity into ground to avoid the electric shock when passengers touch the steps.	●	
VVVF low speed	Adopts economic dual speed running mode according to the passenger flows where the escalators are installed. When there is no passenger, the escalator will automatically change to run at a low speed; once there is a passenger coming up, it will change to normal running speed, which is more efficient and energy-saving.	●	
Fault code display	When there is ang fault, the fault display will show the fault codes to ensure that parts with fault can be precisely noticed, which can greatly improve maintenance efficiency.	●	

● Standard ○ Optional

Handrail anti-static device	This device will induct the handrail surface static electricity into ground avoid the electric shock when passengers touch the handrail.	●	
Start-up alarm	When the escalator is setting in motion, the start-up alarm will ring to warn the passengers to keep eye on their safety.	●	
Working brake	It's main device to brake the escalator. When the escalator is setting in motion, the motor brake will release and escalator runs at normal conditions. When escalator stops, the working brake will the power off and activated and thus escalator stops running.	●	
Machine room protection plate	Protection plate is used to separate moving parts area and static parts area at upper and lower machine rooms to ensure maintenance workers' safety.	●	
Machine flywheel guard opening monitoring switch	When use handwheel device, control system will make the motor power off, enable to start up in order to keep maintenance workers' safety.	●	
Hand wheel protection	Protection cover is installed on machine hand wheel flywheel to keep workers from damages.	●	
Main power switch	Main power switch is installed above the controller, which is convenient for the maintenance workers to cut off the power once enter into the machine room.	●	
Portable lighting	Protable lighting is equipment, which can be convenient for the maintenance workers to get access to lights.	●	
Safety alarm signs	Safety alarm signs are installed at upper and lower ends according to relevant standards to warm passengers to keep an eye on safety.	●	
Skirt panel anti-clamp device (moving walk optional)	When passenger stand at the edges of the step, they will touch the brush. It will remind them to stand at the middle of the step to avoid their cloths getting clamped into the gaps between steps and skirt panel.	●	
Water level safety switch (outdoor)	When there is water into escalator or the water level reaches alarm line, the water level safety switch will be activated and cut off the safety circuit, and then the escalator will stop running.	●	
Oil/water separator (outdoor)	The oil and water will be separated via the oil/water separator. The water will be vented and oil regularly cleaned, which is environmentally friendly.	●	
Step gap illumination	Install green lighting below the steps at upper and lower ends, which improve the brightness at entrance and exit,leading passengers to safely taking the escalators.	●	
Auxiliary brake	The auxiliary brake will be put into use when the working brake is not working or drive chain broken, which effcetively slowly stop the downward running escalator and finally keep static to ensure passenger' safety.		○
Handrail broken protection device	When the handrail is broken during escalator running, the handrail broken protection switch will be activated and cut off the safety circuit, and then the escalator will be stopped.		○
Skirt panel protection device	When unknown objects are into the gaps between steps and skirt panel, the skirt panel will be out of shape. When deformed to certain position, it will strike the safety switch and activate it, then the safety circuit will be cut off and the escalator stop running.		○
VVVF auto-start	Adopts smart running mode according to the passenger flows where the escalators are installed. When there is no passenger, the escalator will automatically change to run at a low speed and then stops; once there is a passenger coming up, it will automatically start up, and quickly chiange to normal speed running, which is smarter, more efficient and energy-saving.		○
Comb lighting	The comb lighting is installed on the skirt panel beside the comb plate, offering lighting to step and comb plate, which help passengers safely take the escalator.		○
Handrail lighting	Lighting is installed at upper part of handrail balustrade, which delivers more enjoyments and safety.		○
Skirt panel lighting	Lighting is installed at skirt panel, which delivers more enjoyments and safety.		○
Heating device	Heating devices installed inside the escalator is mainly used to heat machine, control system, step route, comb plate and handrail ect. to avoid components frozen situations, which is suitable for public escalators at northern cold areas.		○

Decoration

Costomization, Light Your Life !

Handrail color (Optional)

Red Silver grey Blue

Step

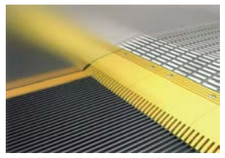

Aluminum alloy (Optional)


Black stainless steel (Standard)

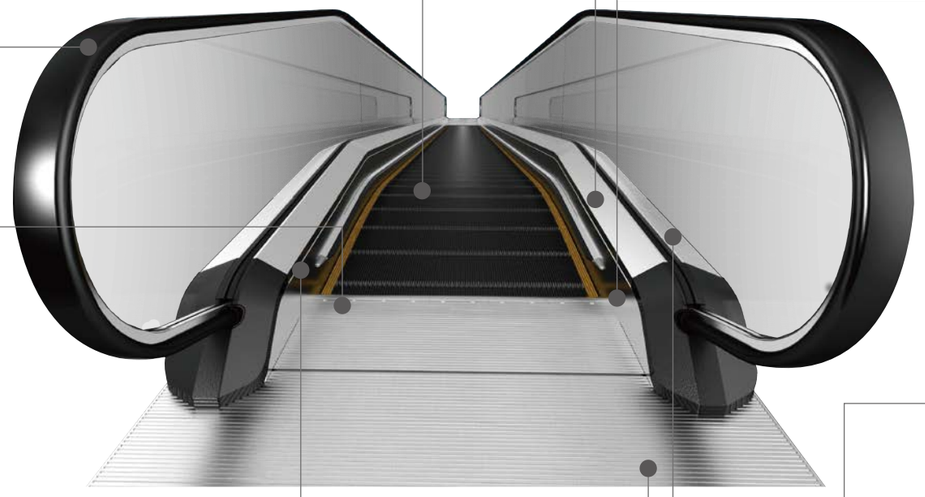
Running direction indicator (Optional)


When balustrade is glass

Comb

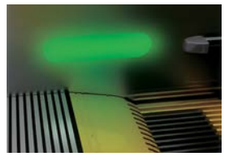

Yellow synthetic resin


Aluminum alloy

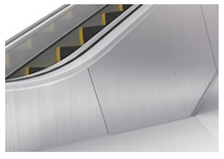


Comb lighting (Optional)

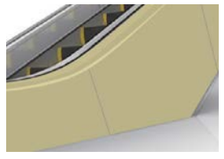

White LED


Green LED

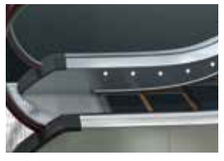
Outer cladding decoration (Optional)

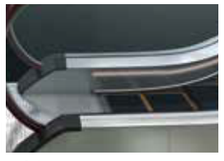

Hairline stainless steel

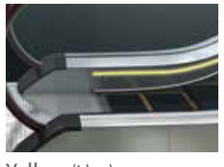
Outer cladding decoration (Optional)

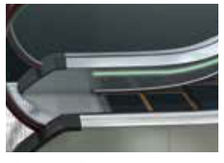

Painted steel plate

Skirt panel lighting (Optional)


White (Spot)

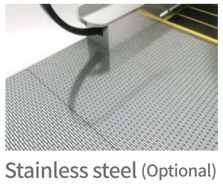

White (Line)


Yellow (Line)


Green (Line)

Landing plate


Aluminum alloy (Standard)


Stainless steel (Optional)

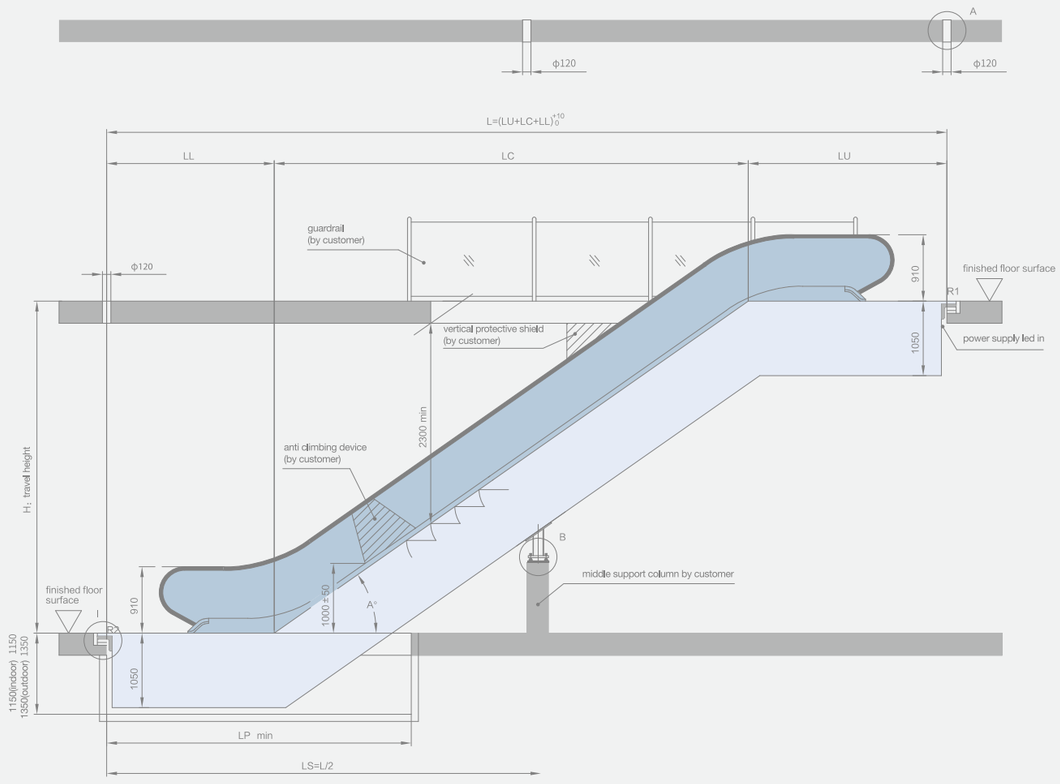
Inner/outer decking

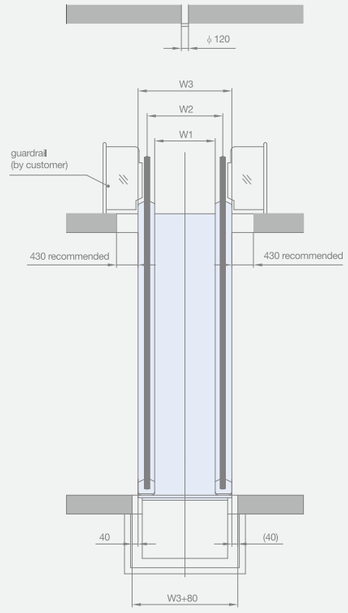

Stainless steel (Standard)

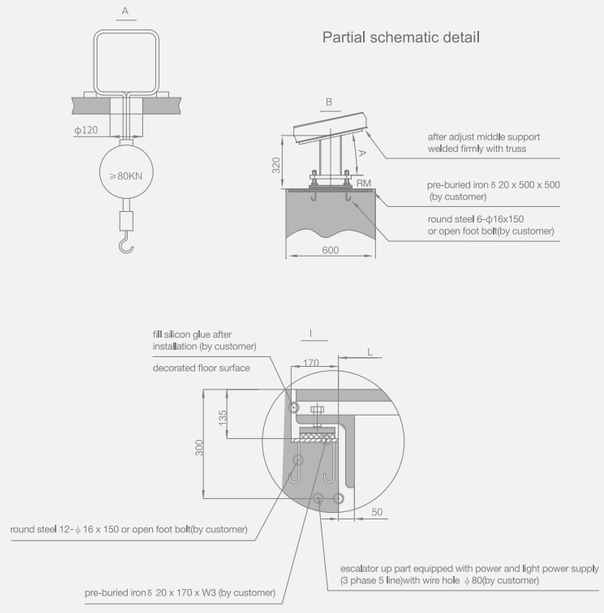

Silver grey painted

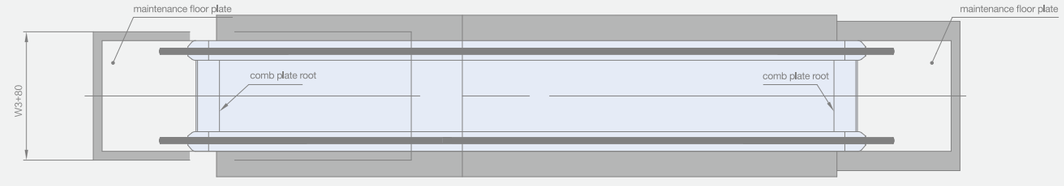

Beige painted

Layout Drawing _Commercial Escalator









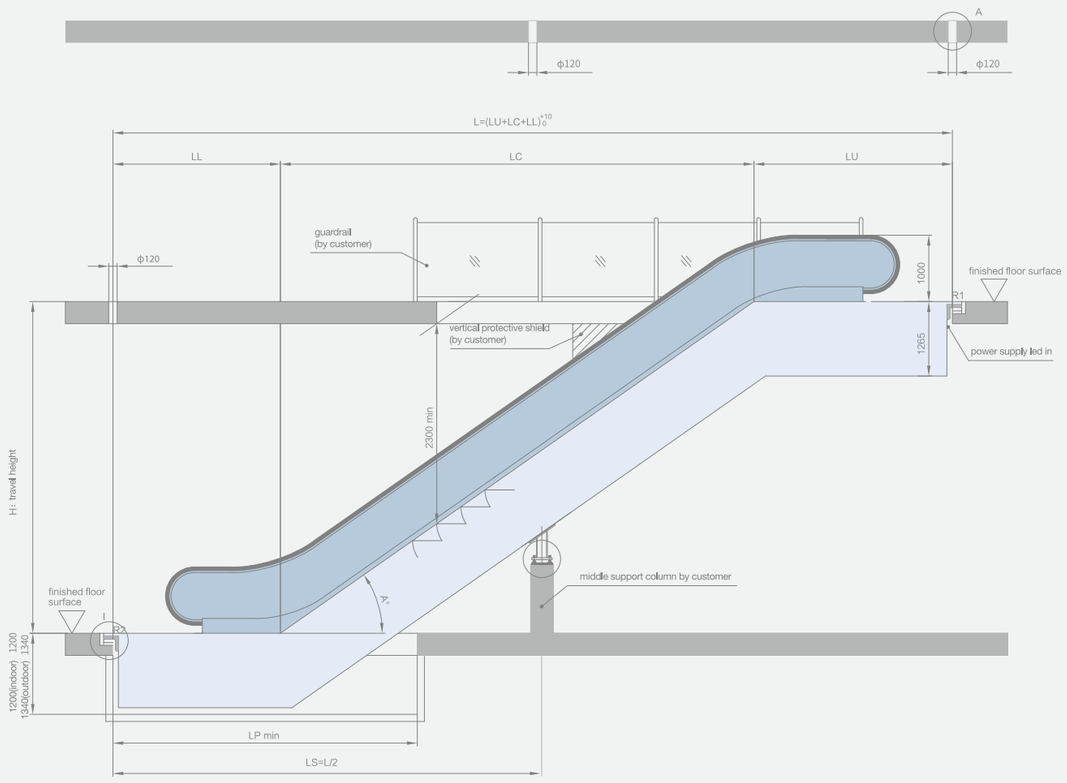
Degree A(°)	Suppports number	Nominal width W1 (mm)	Support force R1(kN) L: (m)	Support force R2(kN) L: (m)	Support force RM1(kN) L: (m)
35	2	600	3.9 x L+21	3.9 x L+16	———
		800	4.5 x L+14	3.98 x L+7	———
		1000	5.1 x L+13	5.1 x L+5	———
30	2	600	3.7 x L+25	3.7 x L+20	———
		800	4.3 x L+18	4.3 x L+11	———
		1000	4.9 x L+17	4.9 x L+9	———
	3	800	19.1 x L+12	19.1 x L+7	3.82 x L+9
		1000	2.5 x L+16	2.5 x L+8	7.3 x L+5

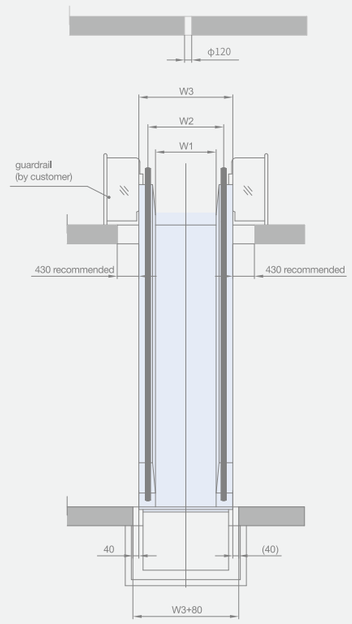
Degree A(°)	Flat step	LL (mm)	LC (mm)	LU (mm)	Nominal width W1 (mm)	Handrail center distance W2(mm)	Escalator outer width W3 (mm)	Pit length LP (mm)
35	2	2275	1.428 x H	2550	1000	1237	1540	4100
					800	1037	1340	
					600	837	1140	
30		2245	1.732 x H	2485	1000	1237	1540	4300
					800	1037	1340	
					600	837	1140	
30	3	2645	1.732 x H	2997	1000	1237	1540	4700
					800	1037	1340	
					600	837	1140	

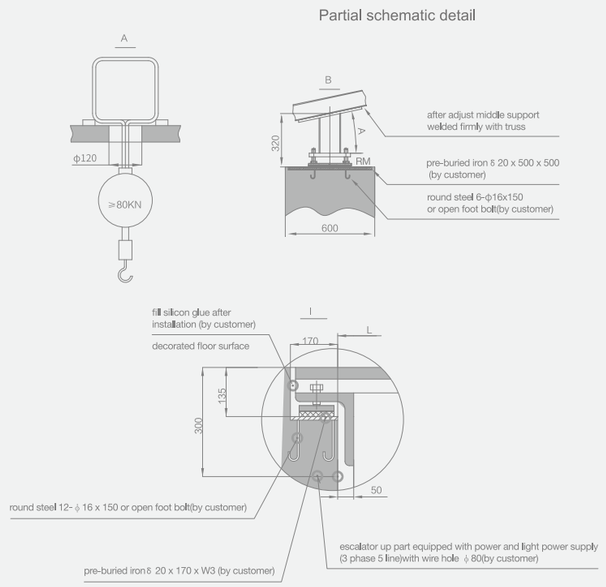
When the step width is 600mm, LU+417mm.

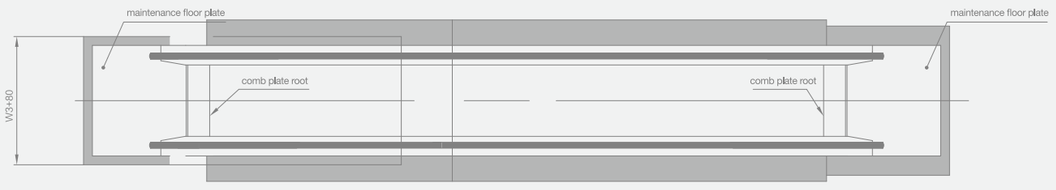
Note: this drawing is not made in scale, above parameter is only for reference. Construction refers to confirmed contract.

Layout Drawing _HD Public Escalator









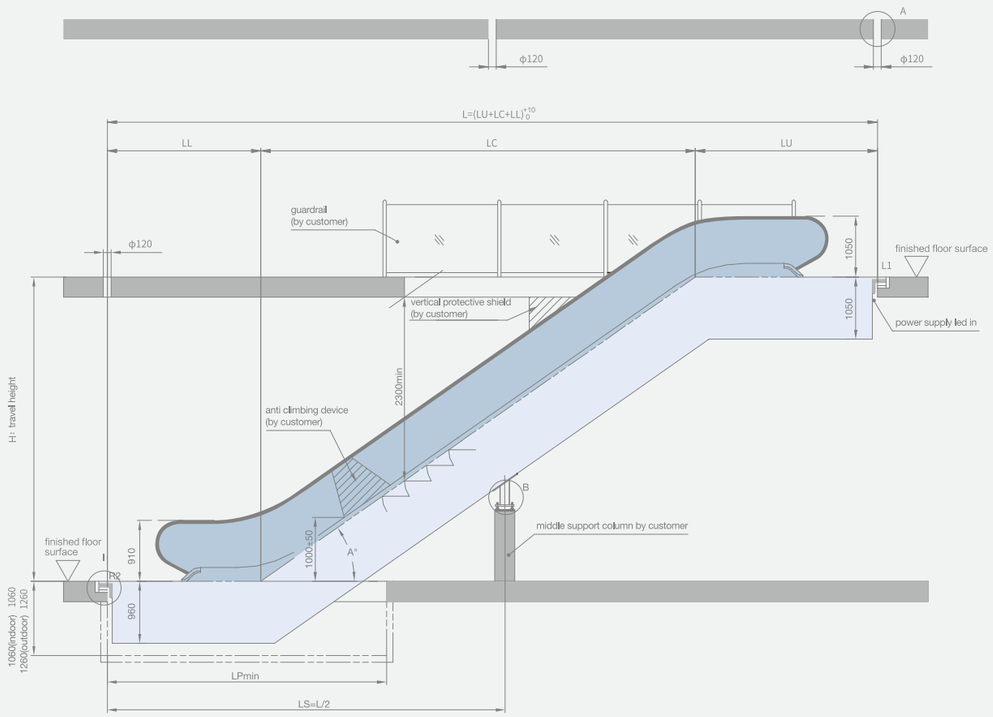
Degree A(°)	Suppports number	Nominal width W1 (mm)	Support force R1(kN) L: (m)	Support force R2(kN) L: (m)	Support force RM1(kN) L: (m)	Support force RM2(kN) L: (m)
30	4	800	1.4 x L+23	1.4 x L+3	3.8 x L+15	3.8 x L+15
		1000	1.5 x L+23	1.5 x L+3	4 x L+15	4 x L+15
	3	800	1.7 x L+23	1.7 x L+3	5.7 x L+15	———
		1000	1.9 x L+23	1.9 x L+3	6.5 x L+15	———
	2	800	4.6 x L+22	4.6 x L+7	———	———
		1000	5 x L+22	5 x L+7	———	———

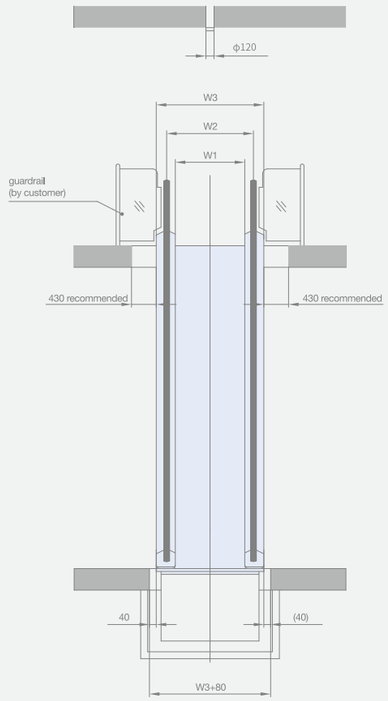
Degree A(°)	Flat step	LL (mm)	LC (mm)	LU (mm)	Nominal width W1 (mm)	Handrail center distance W2(mm)	Escalator outer width W3 (mm)	Pit length LP (mm)
30	3	2710	1.732 x H	3602	1000	1280	1630	5000
					800	1080	1430	
27.3		2696	1.938 x H	3554	1000	1280	1630	5100
					800	1080	1430	
23.2		2676	2.333 x H	3492	1000	1280	1630	5500
					800	1080	1430	

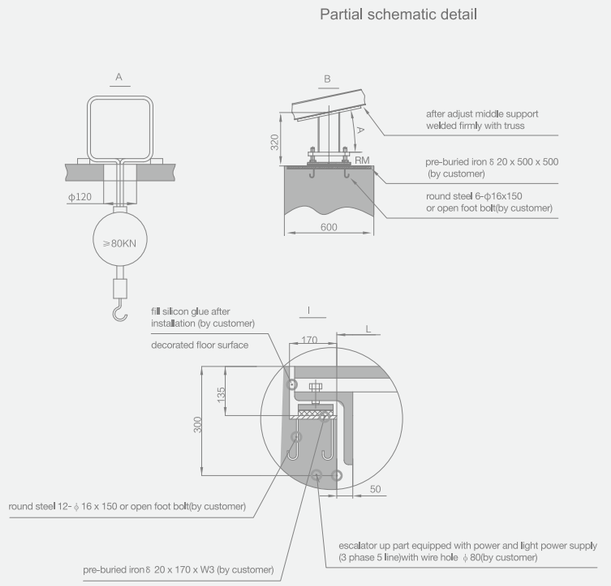
When the step width is 600mm, LU+417mm.

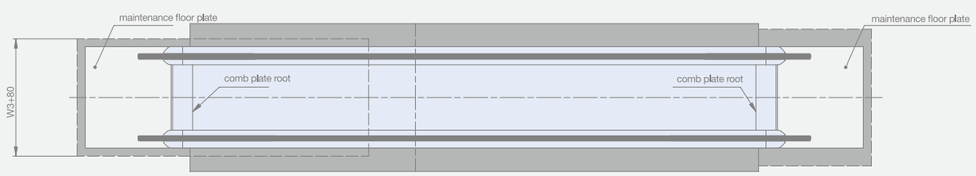
Note: this drawing is not made in scale, above parameter is only for reference. Construction refers to confirmed contract.

Layout Drawing _Mini Type Commercial Escalator









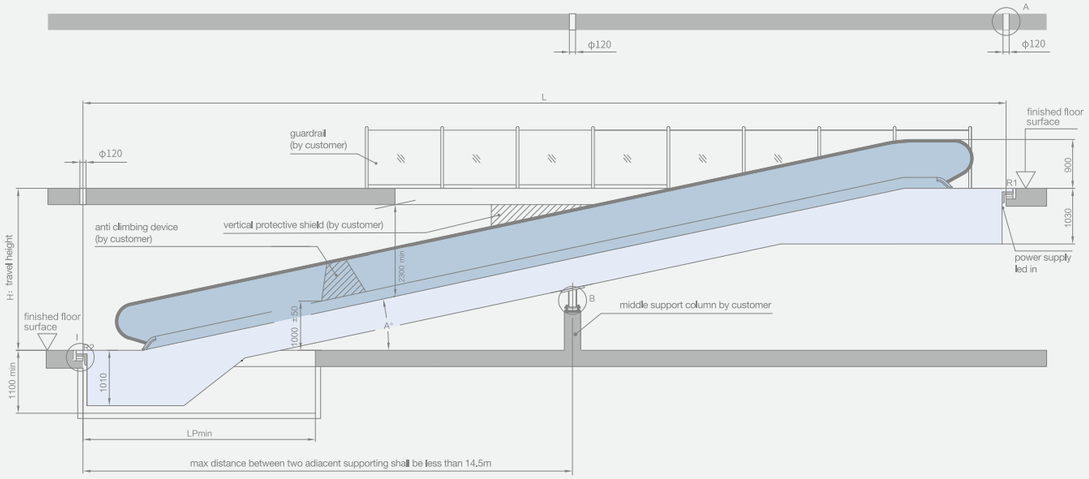
Degree A(°)	Suppports number	Nominal width W1 (mm)	Support force R1(kN) L: (m)	Support force R2(kN) L: (m)	Support force RM1(kN) L: (m)
35	2	600	3.9 x L+21	3.9 x L+16	———
		800	4.5 x L+14	3.98 x L+7	———
		1000	5.1 x L+13	5.1 x L+5	———
30	2	600	3.7 x L+25	3.7 x L+20	———
		800	4.3 x L+18	4.3 x L+11	———
		1000	4.9 x L+17	4.9 x L+9	———

When the step width is 600mm, LU+417mm.

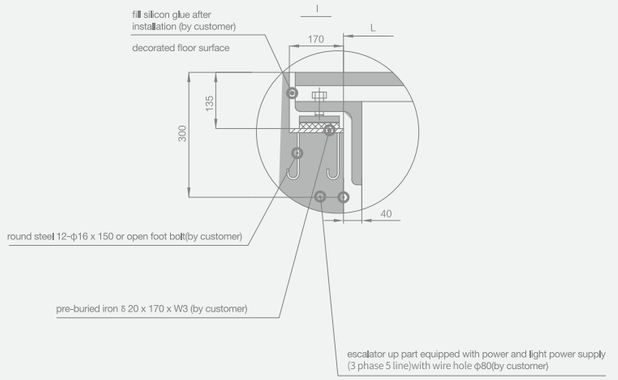
Note: this drawing is not made in scale, above parameter is only for reference. Construction refers to confirmed contract.

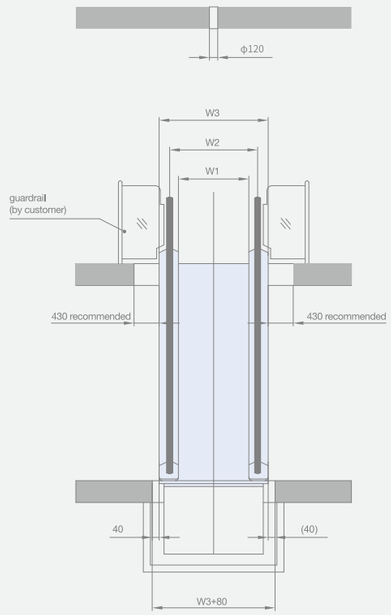
Degree A(°)	Flat step	LL (mm)	LC (mm)	LU (mm)	Nominal width W1 (mm)	Handrail center distance W2(mm)	Escalator outer width W3 (mm)	Pit length LP (mm)
35	2	2275	1.428 x H	2550	1000	1188	1370	3950
					800	988	1170	
					600	788	970	
30		2245	1.732 x H	2485	1000	1188	1370	4150
					800	988	1170	
					600	788	970	

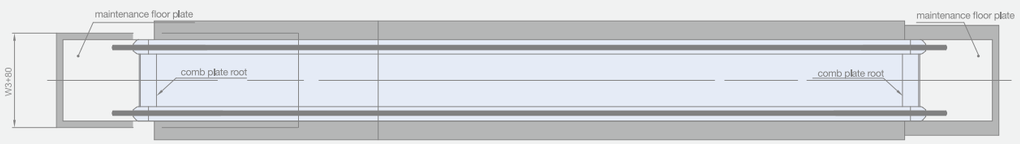
Layout Drawing _Moving Walks



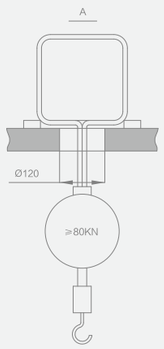
Partial schematic detail

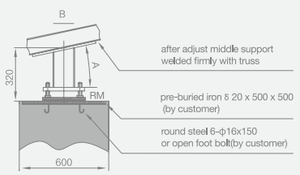






Partial schematic detail



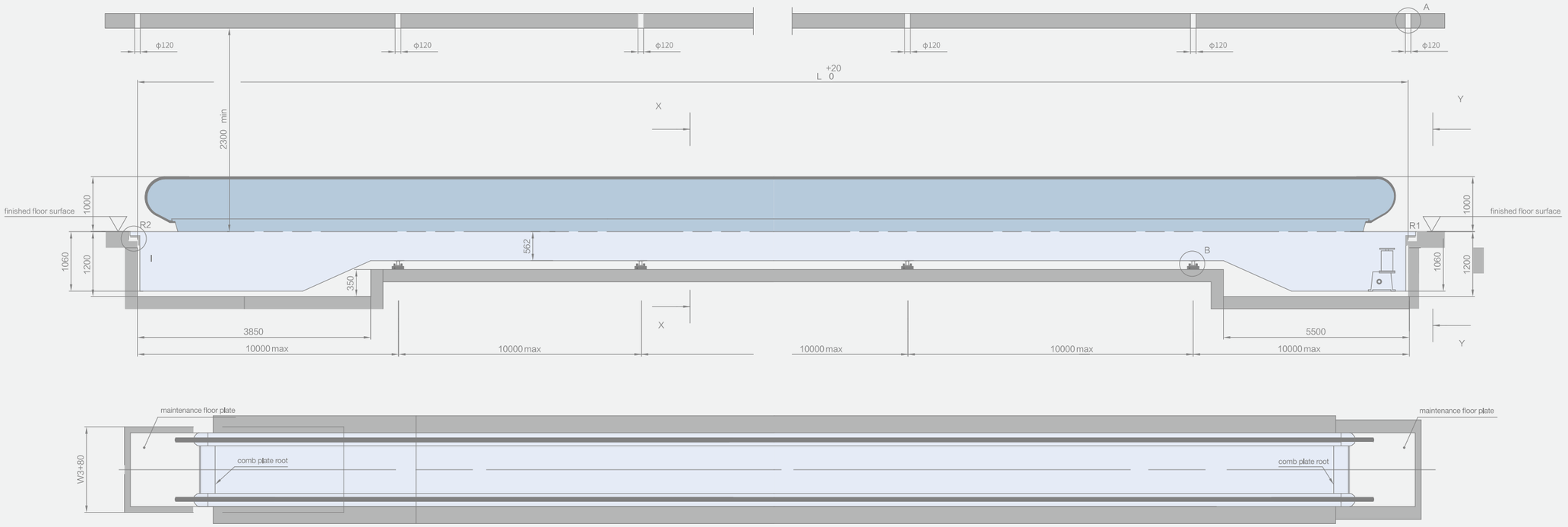


Suppports number	Nominal width W1 (mm)	Support force R1(kN) L: (m)	Support force R2(kN) L: (m)	Support force RM1(kN) L: (m)	Support force RM2(kN) L: (m)
4	800	1.3 x L+19	1.3 x L+11	3.1 x L+10	3.1 x L+11
	1000	1.5 x L+16	1.5 x L+8	3.45 x L+6	3.45 x L+7
3	800	1.9 x L+19	1.9 x L+11	5.2 x L+10	———
	1000	2.2 x L+16	2.2 x L+8	6.1 x L+6	———
2	800	4.25 x L+19	4.25 x L+11	———	———
	1000	4.9 x L+16	4.9 x L+8	———	———

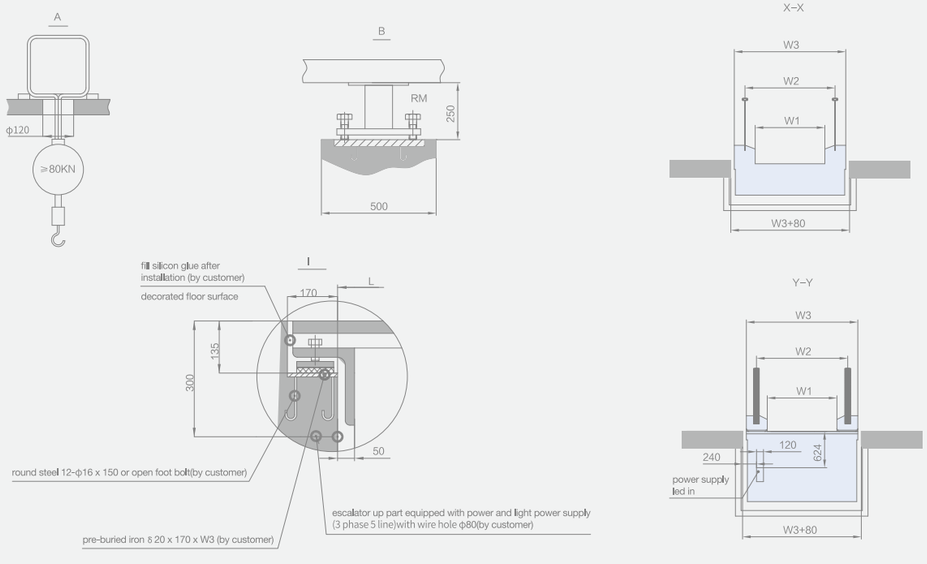
Degree A(°)	LL (mm)	Nominal width W1 (mm)	Handrail center distance W2(mm)	Escalator outer width W3 (mm)	Pit length LP (mm)
10	5.6713 x (H+16.7)+2900	1000	1237	1540	4800
		800	1037	1340	
11	5.1446 x H+2900	1000	1237	1540	4500
		800	1037	1340	
12	4.7046 x (H-16.7)+2900	1000	1237	1540	4300
		800	1037	1340	

Note: this drawing is not made in scale, above parameter is only for reference.
Construction refers to confirmed contract.

Layout Drawing _Moving Walks



Partial schematic detail



Power \ Speed / Applied length	0.5m/s	0.65m/s
8kW	50m	40m
11kW	70m	60m
13kW	100m	85m
15kW	——	100m

Nominal width W1 (mm)	1000	1200	1400
W1	1000	1200	1400
W2	1237	1437	1637
W3	1600	1800	2000

Note: this drawing is not made in scale, above parameter is only for reference.
Construction refers to confirmed contract.