

2025
ESCALATOR CATALOGUE



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COMPREHENSIVE
PRODUCT CATEGORIES



PROFESSIONAL
R&D TEAMS



GLOBAL
MARKET



ATTENTIVE
SAFETY QUALITY



COMPANY INTRODUCTION

ZEN ELEVATOR was inspired by the wisdom of the ZEN masters with more than 20 years professional industry experience , blending oriental philosophy with smart technology to create a seamless and harmonious vertical transportation experience.

The name 'ZEN' embodies its core values: 'Z' for Zenith, representing the brand's pursuit of excellence; 'E' for Equilibrium, symbolizing balance and smooth operation; and 'N' for Nirvana, reflecting the goal of peaceful ride. Rooted in simplicity, reliability, and innovation, ZEN Elevator redefines modern mobility, delivering technology that moves with both safety and peace.

ZEN ELEVATOR as the group elevator brand of leading OEM solution for the big brands with the comprehensive ability to provide the design and manufacture of complete elevator, escalator, moving walk as well as the main parts and modernization solutions.

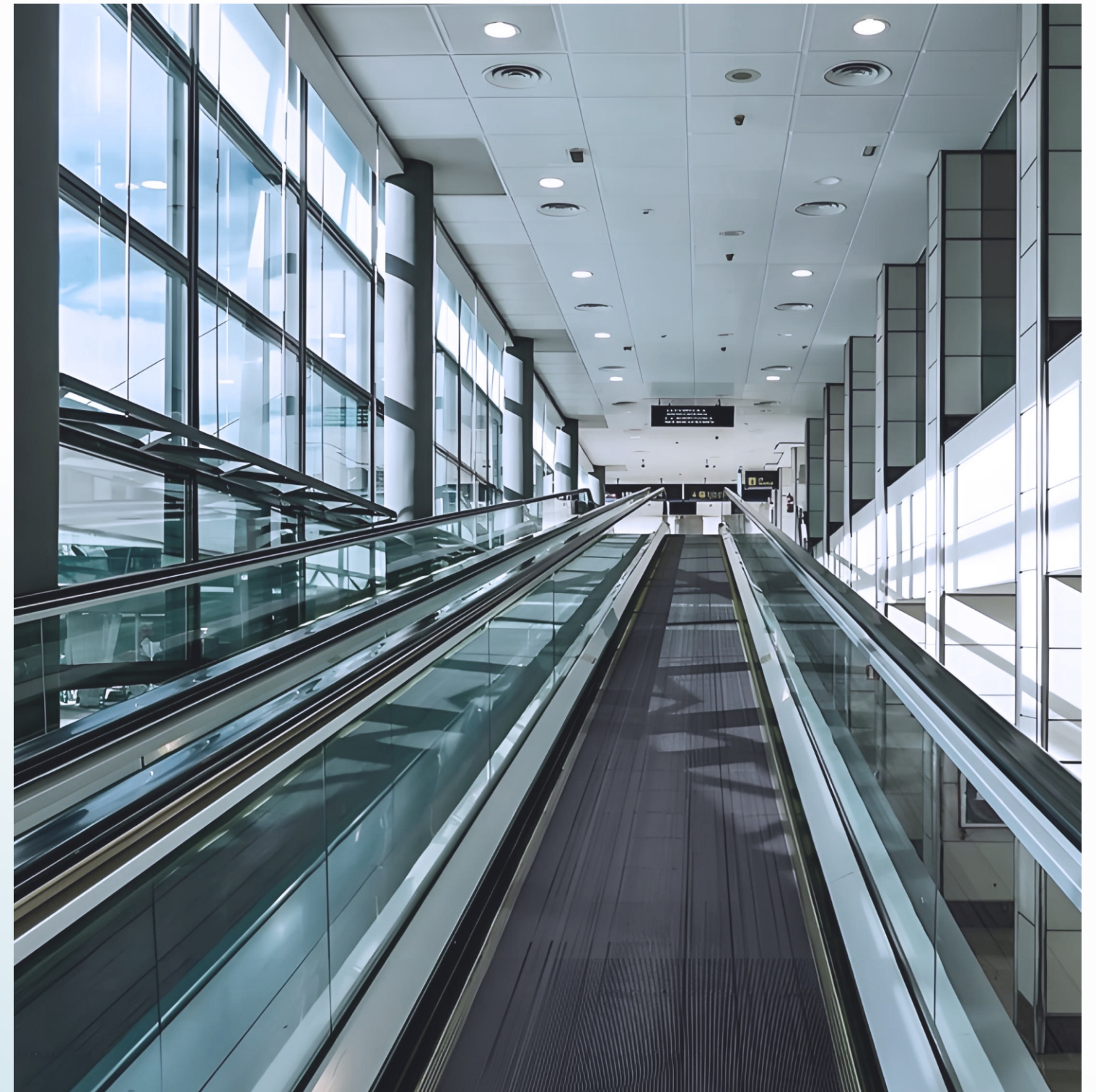
ESCALATOR

Advanced technology

ZEN escalator applies the advanced technology with the features of smooth running, low noise, durable, convenient maintenance which bring the best experience for the passengers.

Efficient energy saving

Compared with the traditional technology, the variable frequency with the automatic operation model which will improve the higher working efficiency and save the energy.



MOVING WALK

SHOPPING CART ESCALATOR

High tech escalator focus on the future

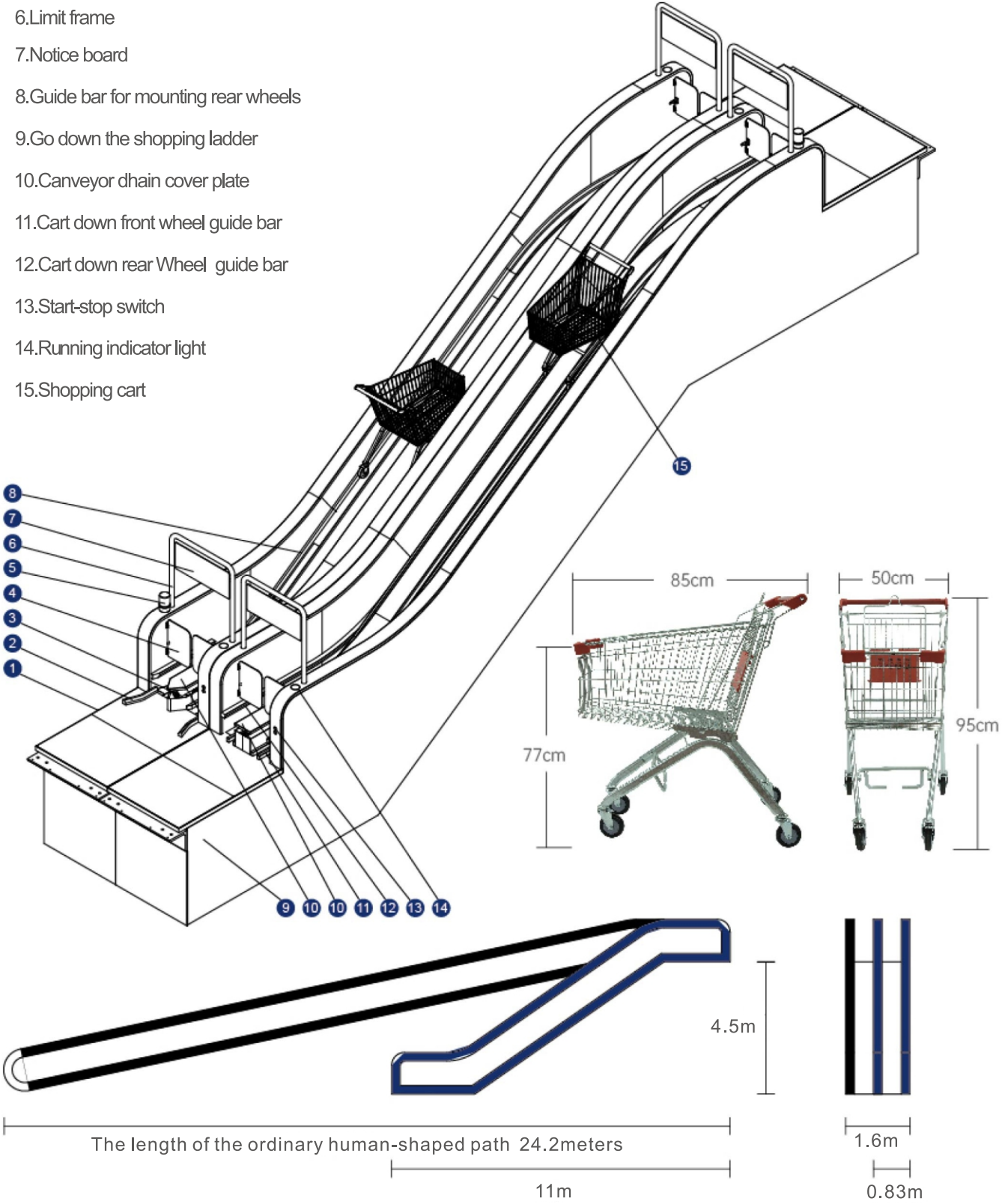
ZEN shopping cart escalator adopts the way of separation between people and cars, which solves the inconvenience for the go up and down, Saving space and bring the better shopping experiences for the customers.



- 1.Go up the shopping ladder
- 2.Cart entry rear wheel guide bar
- 3.Electromagnetic pusher
- 4.Protective doors
- 5.Notice light
- 6.Limit frame
- 7.Notice board
- 8.Guida bar for mounting rear wheels
- 9.Go down the shopping ladder
- 10.Canveyor chain cover plate
- 11.Cart down front wheel guide bar
- 12.Cart down rear Wheel guide bar
- 13.Start-stop switch
- 14.Running indicator light
- 15.Shopping cart

Four advantages

- The installation position is limited
- People and cars splits, more safety
- Small footprint increase the space
- Energy saving

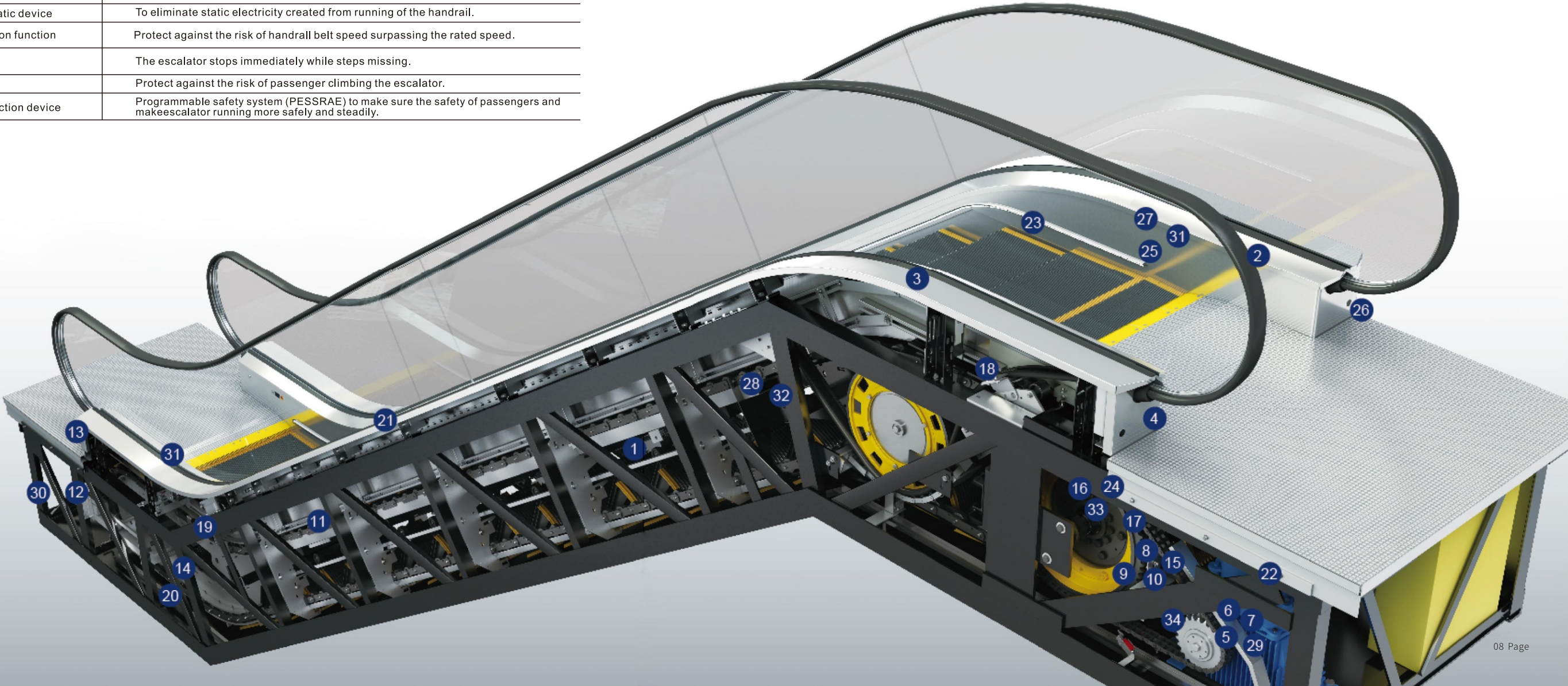


SAFETY DEVICES

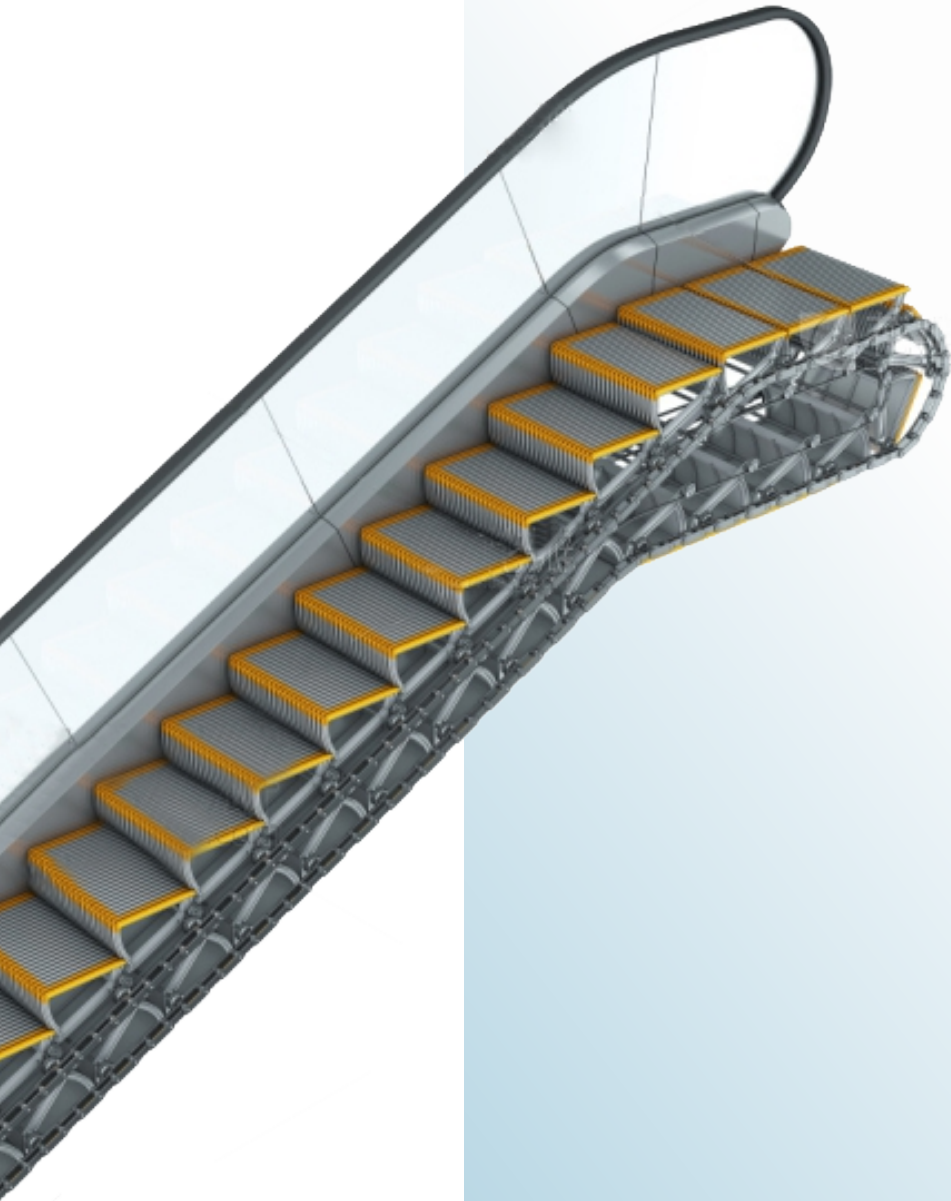
NO.	Safety function	Remarks
01	Anti-static brush	Eliminates static electricity created from running of the stepsipallets.
02	Emergency stop press-button	To stop the escalator immediately for emergency.
03	Skirting protection	Protect against the risk caused by the foreign bodies between steps and skirting panels.
04	Handrail entrance protection	Protect against the risk of foreign matter being jammed into handrail entrance.
05	Broken Drive-chain protection	Protect against the risk of drive chains breaking or elongation.
06	Overlunder-speed monitor	Protect against the risk of the escalator being order or under speed.
07	Anti- reversal protection	Protect against the risk of wrong running direction.
08	Default phase protection	Protect against the risk of phase failure.
09	Electrical circuit protection	Double protection on circuits to make sure escalator runnning more steadily.
10	Motor overload, overheat protection	The escalator will stop running automatically while the motor electric current is over 120%.
11	Step (tread) sagging protection	Protect against the risk of steps ipallets breaking and sagging.
12	Broken step-chain protection	Protect against the risk of step chain breaking or undue elongation.
13	Comb safety protection	Protect against the risk of foreign bodies being trapped at the point.
14	Step gap illumination	To light up the top and bottom entrances of escalator.
15	Trouble self-diagnosis	Self diagnostic and displaying fault to improve work efficiency.
16	Automatic lubrication	Supply oil for chain timely and precisely.
17	Alarm-bell start device	3 seconds alarm alert to remind passengers before escalator starts.
18	Handrail anti-electrostatic device	To eliminate static electricity created from running of the handrail.
19	Handrail speed-detection function	Protect against the risk of handrail belt speed surpassing the rated speed.
20	Step missing function	The escalator stops immediately while steps missing.
21	Anti-creeping device	Protect against the risk of passenger climbing the escalator.
22	Functional safety protection device	Programmable safety system (PESSRAE) to make sure the safety of passengers and makeescalator running more safely and steadily.

NO.	Safety function	Remarks
23	Skirting brush	Avoid the passenger's shoes, socks touching the skirting to protect passenger's safety, also protect the steps and the whole escalator normal operation.
24	Machine room Protection-panel	To make sure the safety of the passengers avoid touching the steps when under maintenance.
25	Fault display	The error number wil be display on the screen and easy for maintenance.
26	*Auto-start by Microwave sensors/ photocell sensors / step contact mats 27	Stop or slow running to achieve energy saving.
27	*Comb heating function	Avoid comb freezing under low temperature.
28	*Truss heating function	Avoid the step freezing under low temperature
29	*BMS remote monitoring system	Remote control the single escalator, centralized control method for Multi-escalators.
30	*Oil -water separator	Separated Oil from water to avoid polluting the environment while escalators are intalled outside.
31	*Comb lighting	Providing higher brightness level for safety.
32	*Step up-skid function	Switch on-off to stop escalator running if steps jump.
33	*Auxiliary brake	The escalator will be stopped when the drive chain broken or overspeed.
34	*Mechanical anti-reversal function	Protect against the wrong running direction.

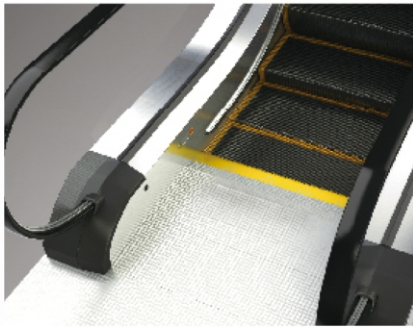
*Optional function



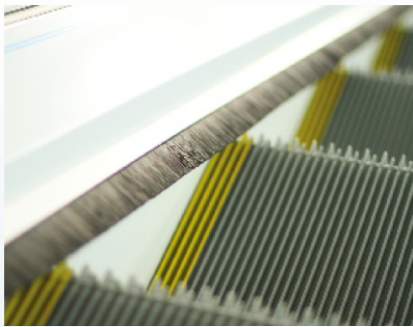
STANDARD CONFIGURATION



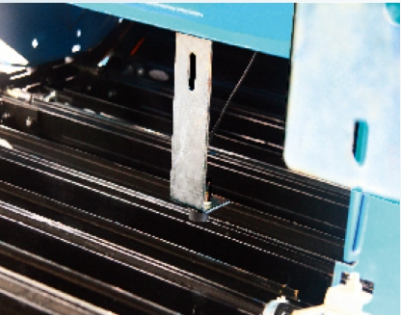
Handrail entrance



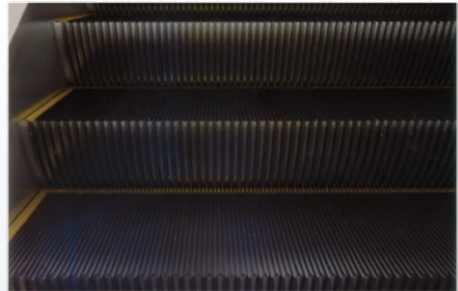
Skirting brush



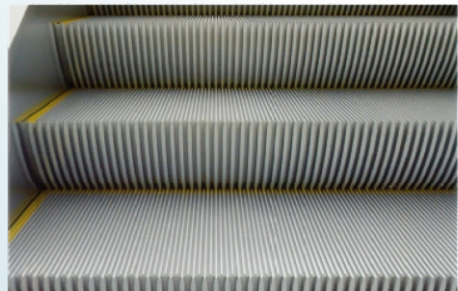
Step missing
protection device



Step

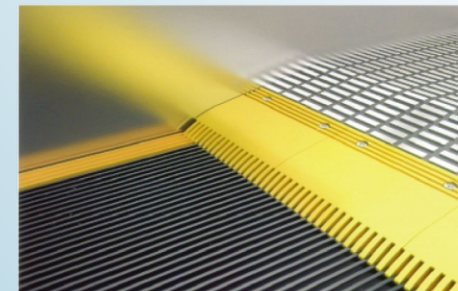


Black stainless steel
(Standard for indoor escalator)



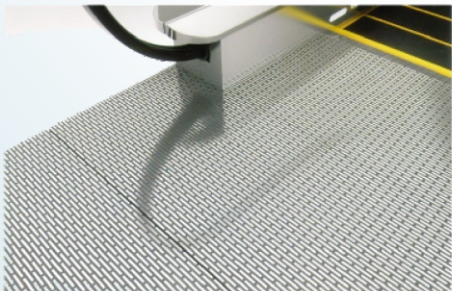
Silver grey aluminum alloy
(Standard for outdoor escalator)

Comb plate



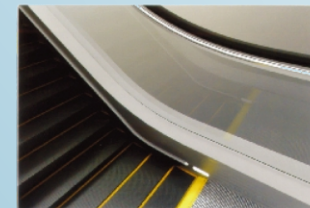
Yellow resin

Landing plate

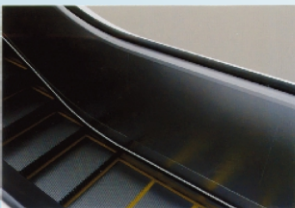


Stainless steel

Balustrade panel



Safety glass
(Vertical handrail standard)

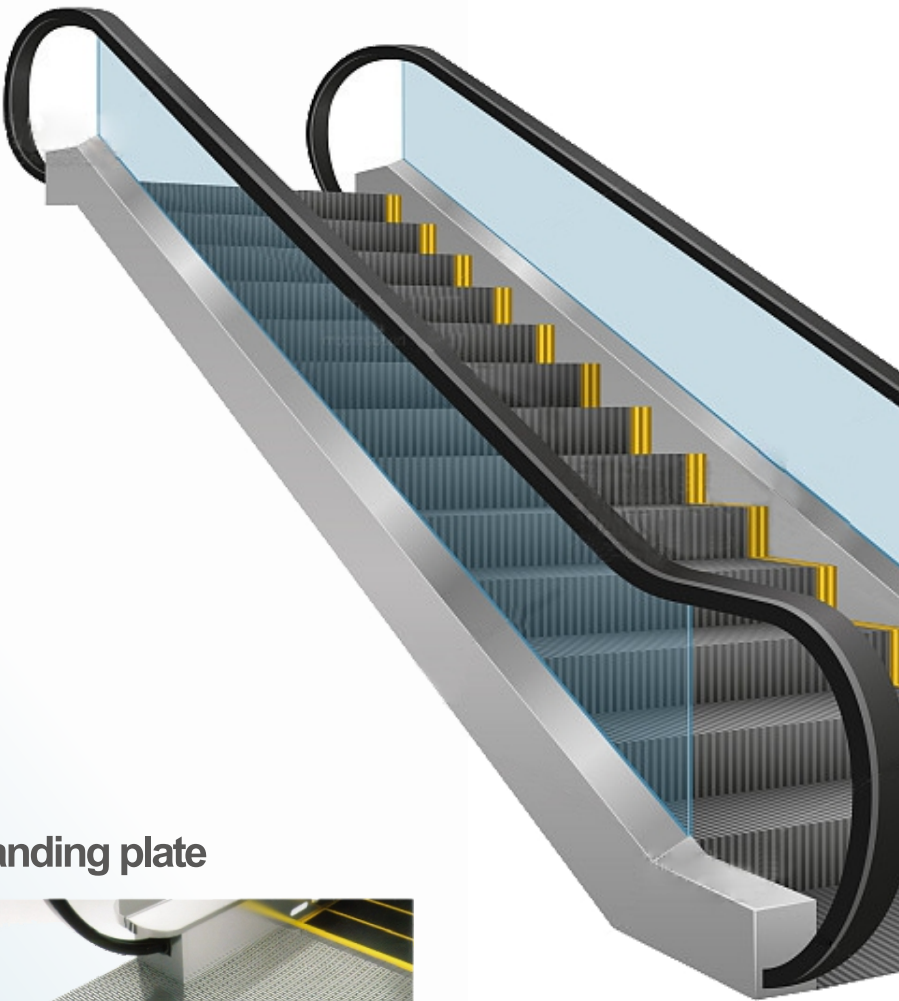


Stainless steel
(Inclined handrail standard)

Handrail

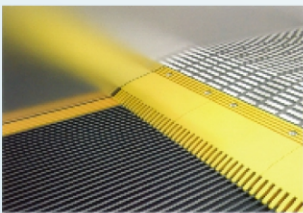


Black

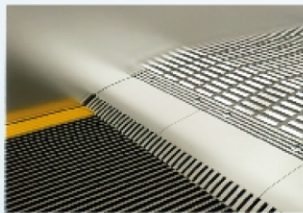


CUSTOMIZED DESIGN

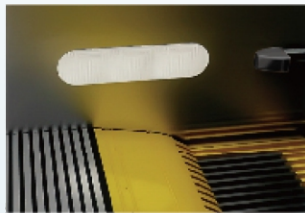
Comb



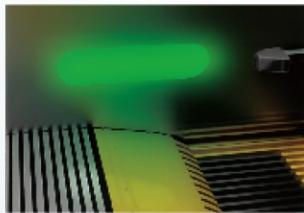
Yellow synthetic resin



Aluminum alloy



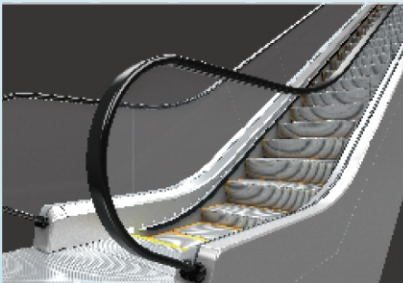
White LED



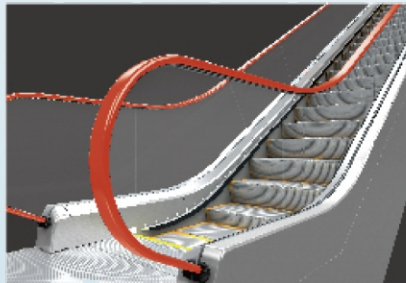
Green LED

Comb lighting(Optional)

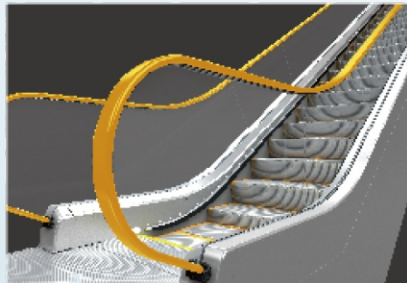
Handrail color optional



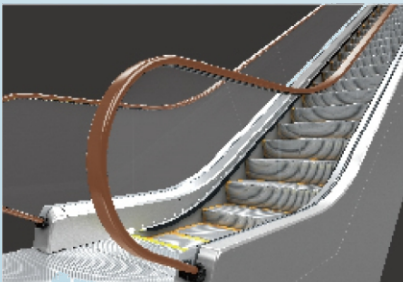
Black (Standard)



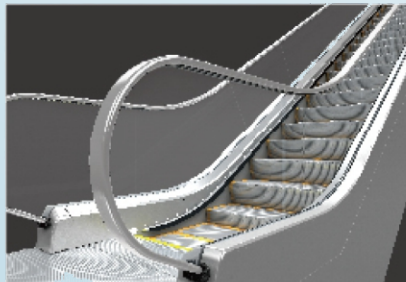
Red(Optional)



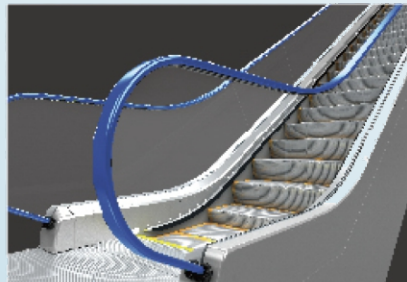
Orange (Optional)



Coffee(Optional)

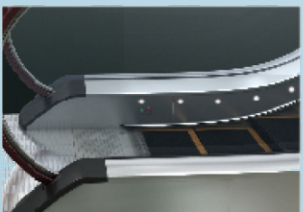


Silver grey (Optional)

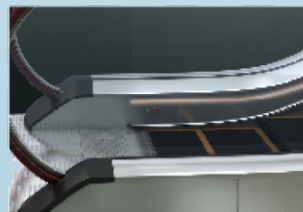


Blue (Optional)

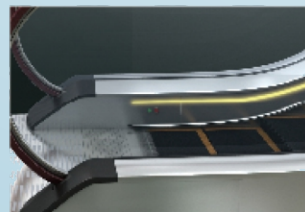
Skirting light optional



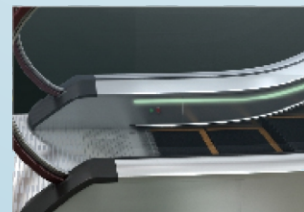
White(Standard)



White(Optional)



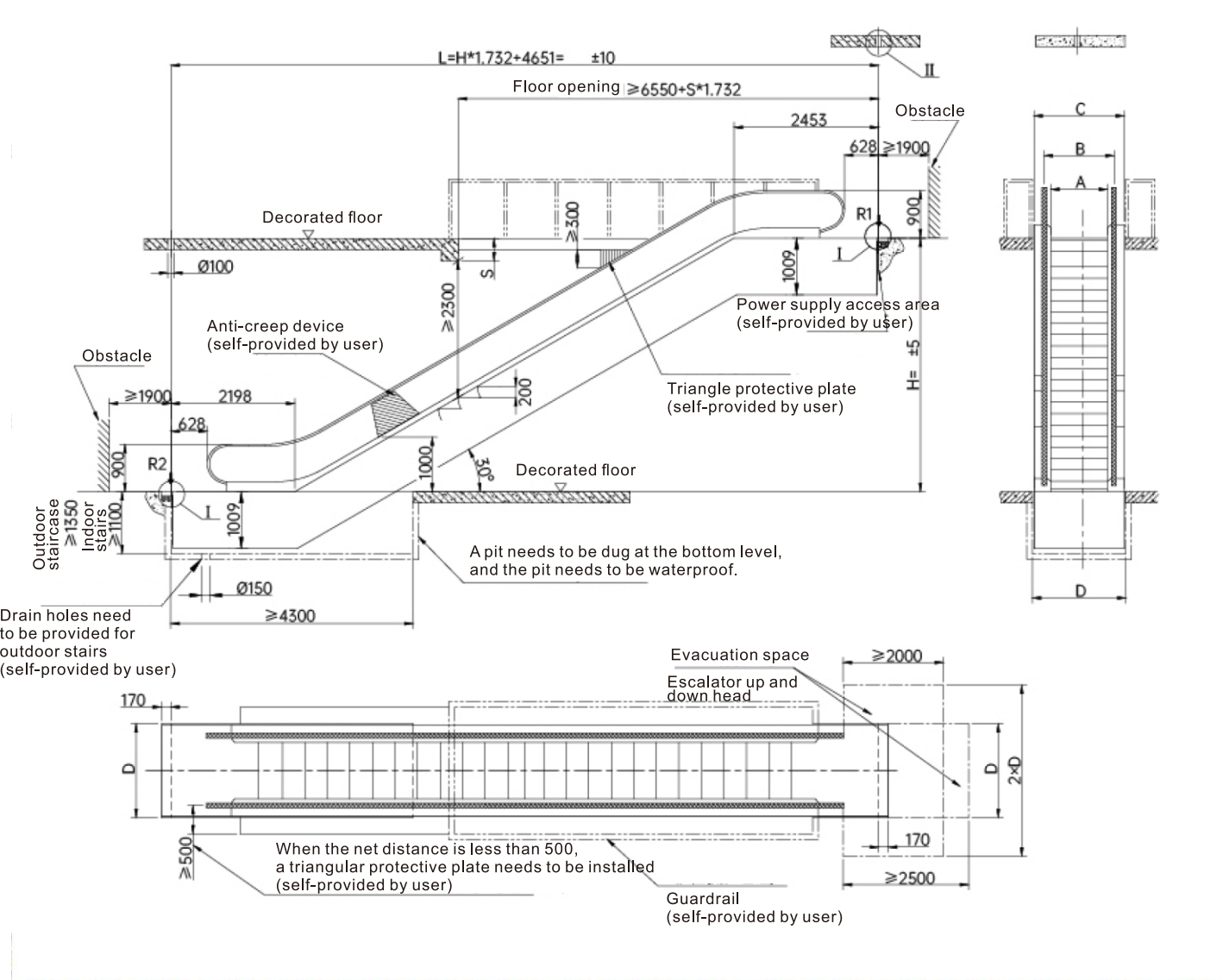
Yellow(Optional)



Green(Optional)



30° ESCALATOR LAYOUT DRAWING



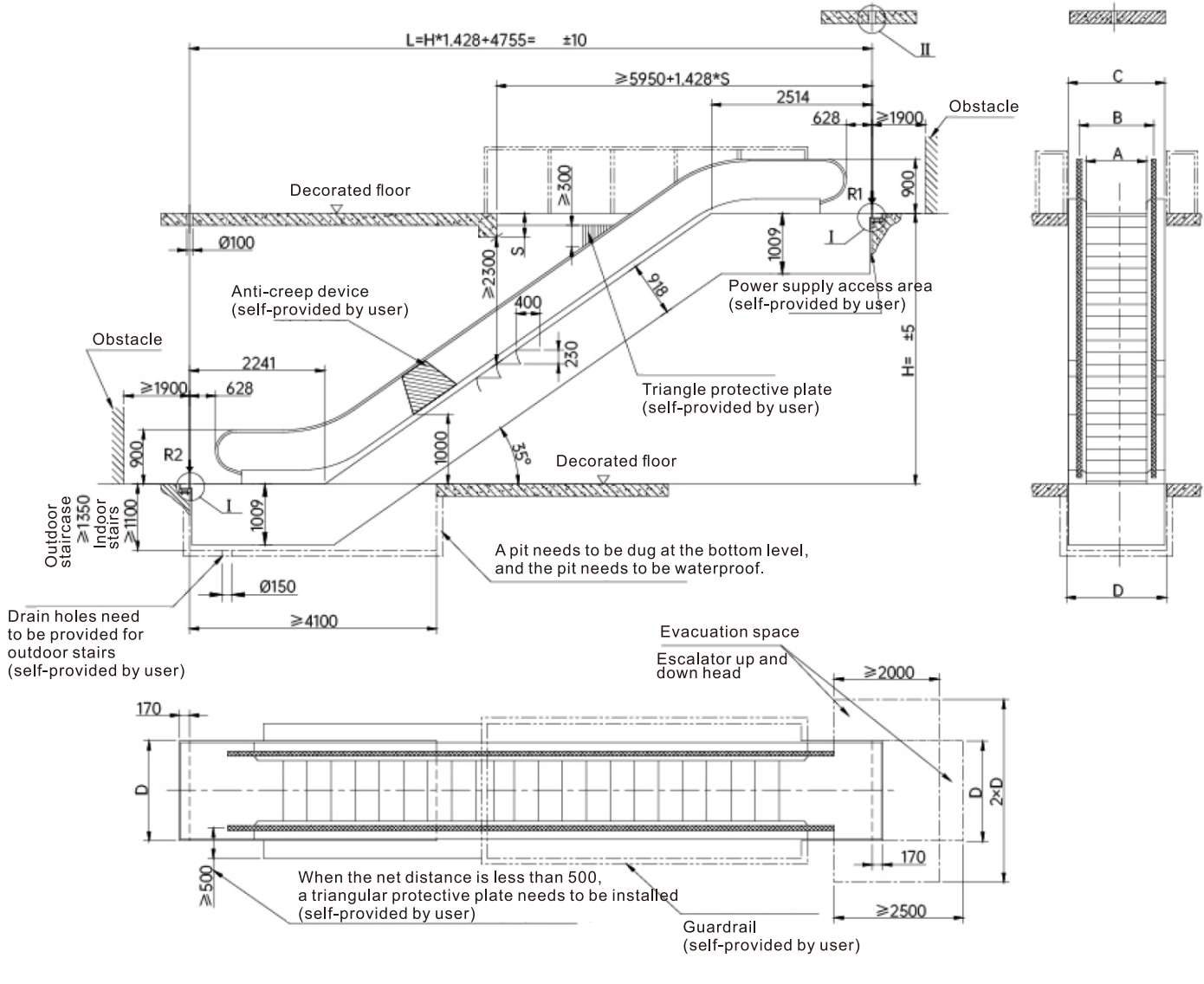
30° Escalator specifications

*When the step width is 600, the horizontal span and the floor opening should be correspondingly extended by 500mm.

NO.	Step width A	Center distance of handrail belt B	Escalator outer width C	Width of shaft load-bearing beam D	Rated speed(optional)
30°/600	600	838	1140	≥ 1200	0.4 m/s
30°/800	800	1038	1340	≥ 1400	0.45 m/s
30°/1000	1000	1238	1540	≥ 1600	0.5 m/s

*Note: Only for reference, Please consult the technical department of the company for the specific size.

35° ESCALATOR LAYOUT DRAWING



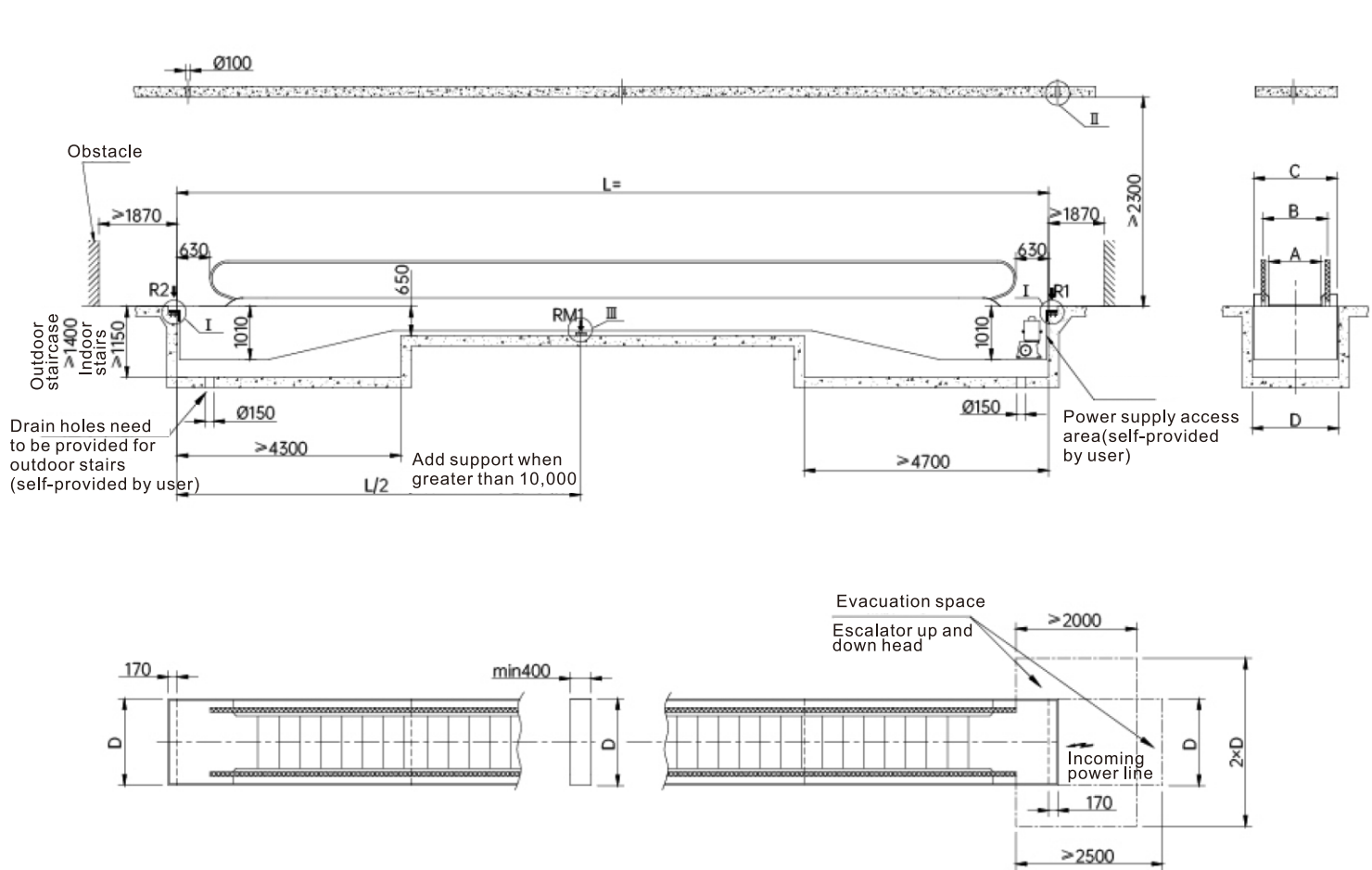
35° Escalator specifications

*When the step width is 600, the horizontal span and the floor opening should be correspondingly extended by 500mm.

NO.	Step width A	Center distance of handrail belt B	Escalator outer width C	Width of shaft load-bearing beam D	Rated speed(optional)
35°/600	600	838	1140	≥ 1200	0.4 m/s
35°/800	800	1038	1340	≥ 1400	0.45 m/s
35°/1000	1000	1238	1540	≥ 1600	0.5 m/s

*Note: Only for reference, Please consult the technical department of the company for the specific size.

0°MOVING WALK
LAYOUT DRAWING

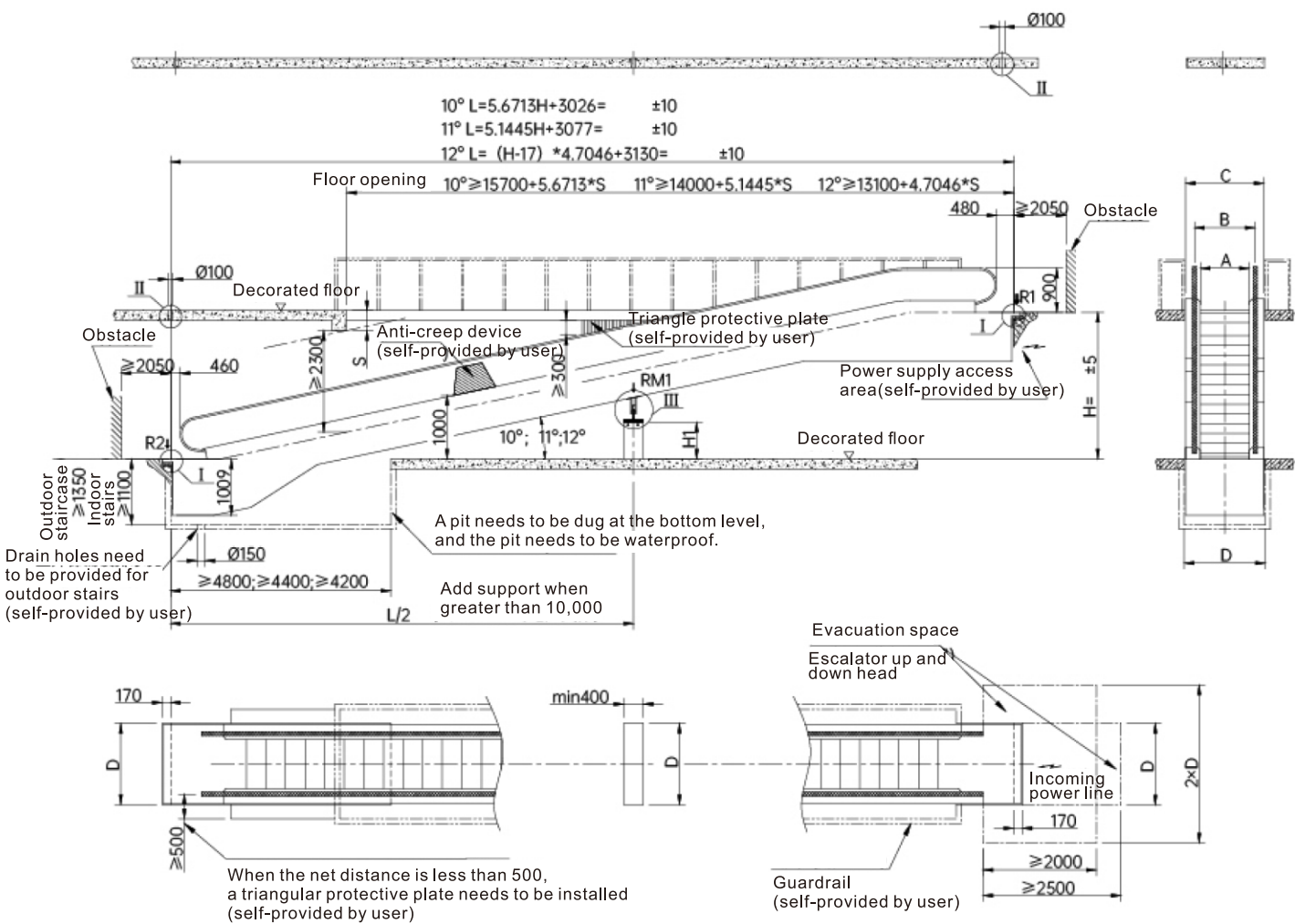


0°Moving walk specifications

NO.	Step width A	Center distance of handrail belt B	Escalator outer width C	Width of shaft load-bearing beam D	Rated speed(optional)
12°/800	800	1038	1340	≥1400	0.5 m/s
12°/1000	1000	1238	1540	≥1600	

*Note:Only for reference, Please consult the technical deparment of the company for the specific size.

10°-12°MOVING WALK
LAYOUT DRAWING

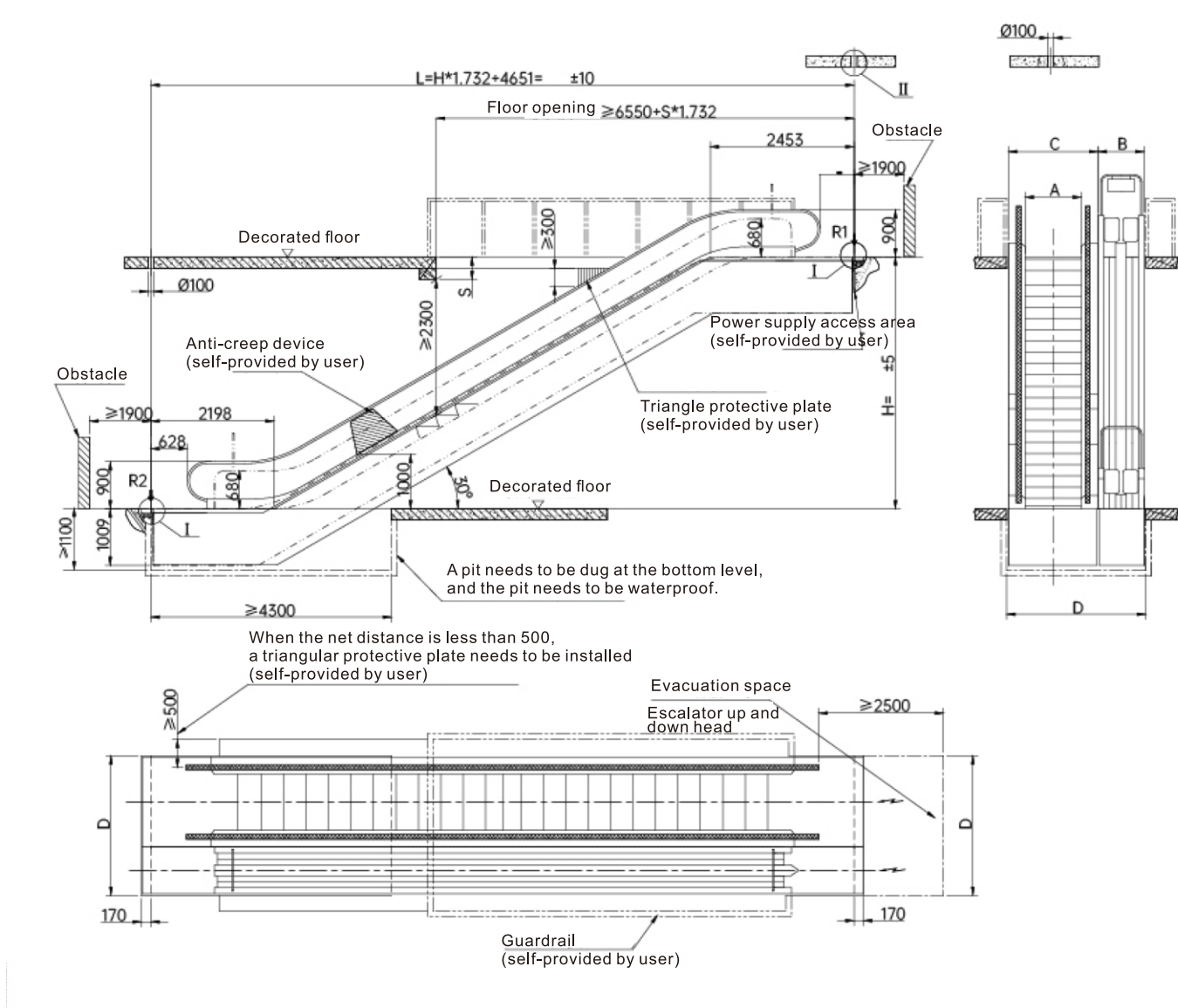


10°-12°Moving walk specifications

NO.	Step width A	Center distance of handrail belt B	Escalator outer width C	Width of shaft load-bearing beam D	Rated speed(optional)
12°/800	800	1038	1340	≥1400	0.5 m/s
12°/1000	1000	1238	1540	≥1600	

*Note:Only for reference, Please consult the technical deparment of the company for the specific size.

30° SHOPPING CART LAYOUT DRAWING



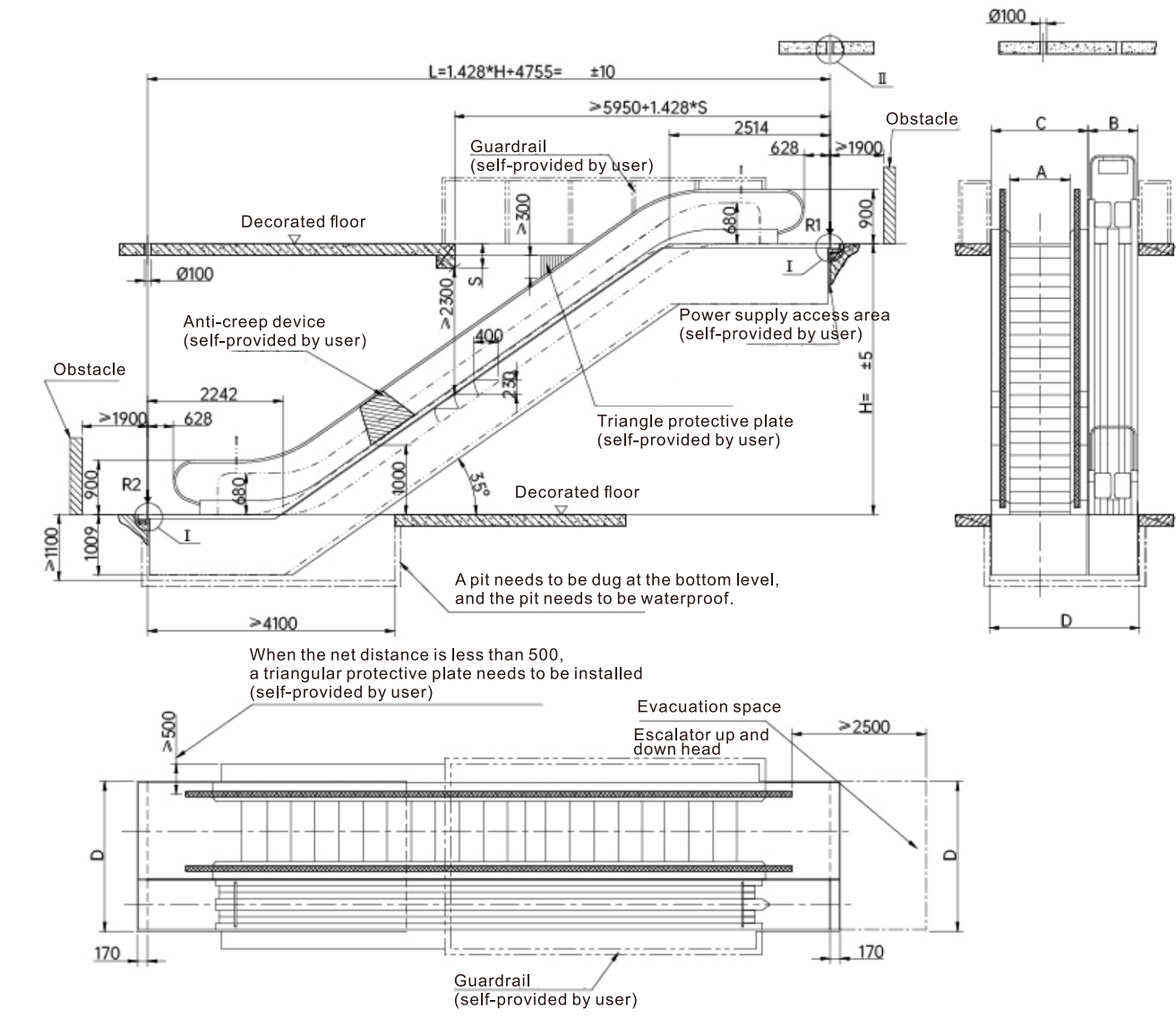
30° Escalator specifications

*When the step width is 600, the horizontal span and the floor opening should be correspondingly extended by 500mm.

Step width A	Shopping cart dimensions(width) B	Escalator outer width C	Width of shaft load-bearing beam D
600	830	1140	≥ 2050
800	830	1340	≥ 2250
1000	830	1540	≥ 2450

*Note: Only for reference, Please consult the technical department of the company for the specific size.

35° SHOPPING CART LAYOUT DRAWING



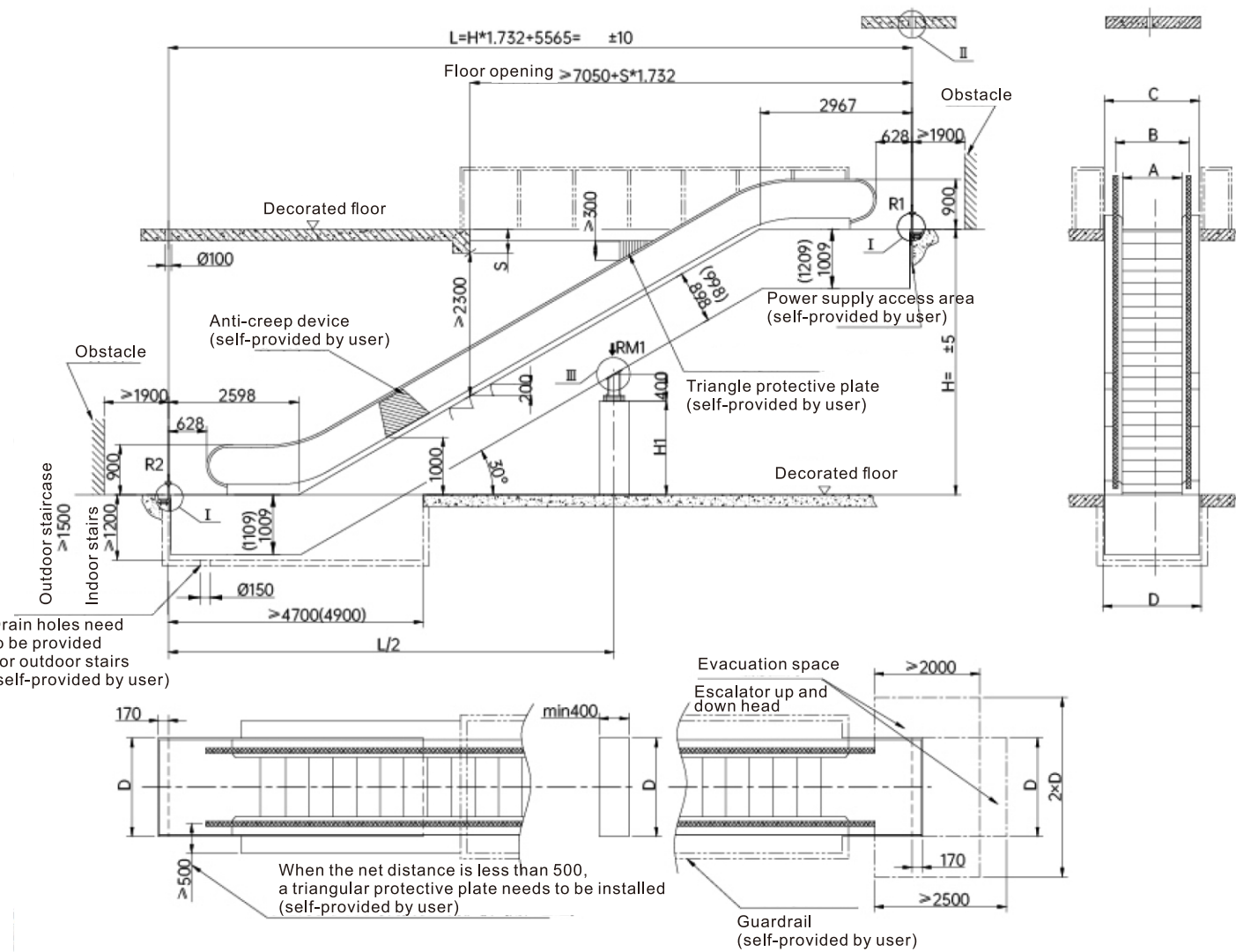
35° Escalator specifications

*When the step width is 600, the horizontal span and the floor opening should be correspondingly extended by 500mm.

Step width A	Shopping cart dimensions(width) B	Escalator outer width C	Width of shaft load-bearing beam D
600	830	1140	≥ 2050
800	830	1340	≥ 2250
1000	830	1540	≥ 2450

*Note: Only for reference, Please consult the technical department of the company for the specific size.

30°THREE LEVEL ESCALATOR
LAYOUT DRAWING



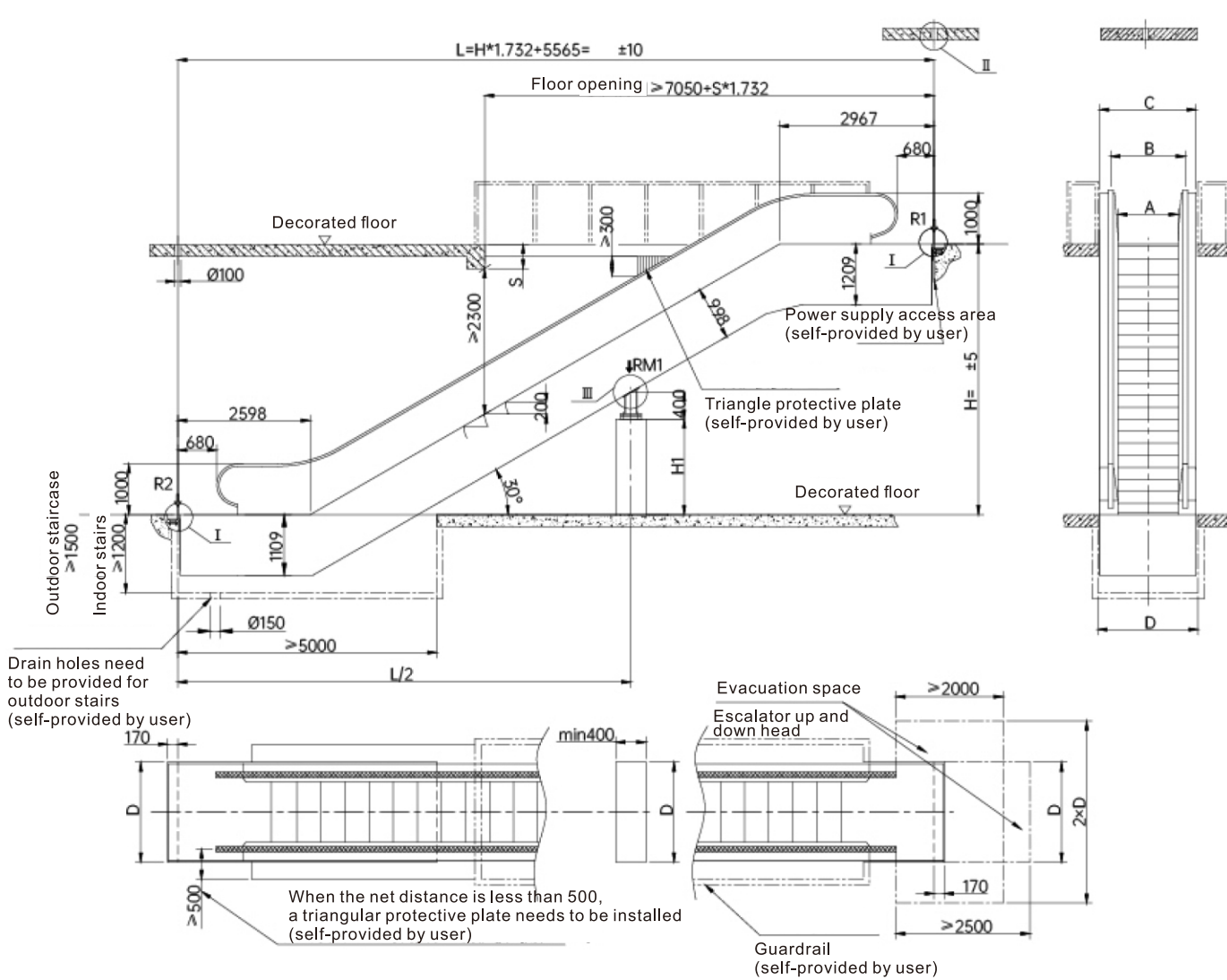
30°Three level Escalator specifications

*When the step width is 600, the horizontal span and the floor opening should be correspondingly extended by 500mm.

NO.	Step width A	Center distance of handrail belt B	Escalator outer width C	Width of shaft load-bearing beam D	Rated speed(optional)
30°/600	600	838	1140	≥ 1200	0.4 m/s
30°/800	800	1038	1340	≥ 1400	0.45 m/s
30°/1000	1000	1238	1540	≥ 1600	0.5 m/s

*Note:Only for reference, Please consult the technical departament of the company for the specific size.

30°PUBLIC ESCALATOR
LAYOUT DRAWING



30°Public Escalator specifications

*When the step width is 600, the horizontal span and the floor opening should be correspondingly extended by 500mm.

NO.	Step width A	Center distance of handrail belt B	Escalator outer width C	Width of shaft load-bearing beam D
30°/800	800	1110	1400	≥ 1460
30°/1000	1000	1310	1600	≥ 1660

*Note:Only for reference, Please consult the technical departament of the company for the specific size.