


ESCALATOR/TRAVELATOR
— 扶梯/人行道 —



VILOBOX



ESCALATOR / TRAVELATOR 扶梯/人行道

安全 (Safety) 国内外先进的微机控制系统配以完善的安全保护装置, 多达36项的标准安全保护, 给您的乘梯全面保护。

Advanced microcomputer control system with perfect safety protection devices, with bilateral direction track system and up to 36 standard security protection, to give you full protection.

舒适 (Comfort) 根据人体工程学设计, 采用双边梯路导向, 上下曲率半径大, 滚轮直径大, 并研发减噪装置, 带给您非凡的乘梯舒适感, 俊美的外观和装饰材料, 为建筑物增光添彩。

Fluctuation of curvature radius according to the human body mechanics design, and development of noise reduction device, gives you extraordinary comfort, beautiful appearance and decoration materials, is a good addition to the building.

可靠 (Reliable) 主要部件设计寿命达7万小时, 极大的保证运行的可靠性; 严格的设计验证与测试认证。

Design life time of main components to 70000 hours, the strict design verification and testing certification, greatly ensure the reliability of the operation.



商用型自动扶梯
COMMERCIAL ESCALATOR

VILOBOX

商用型自动扶梯

技术参数 Specifications

提升高度(mm) Rise	倾斜角度 Angle of Inclination	额定速度(m/s) Rated speed	梯级宽度(mm) Step width
≤8000	30°/35°	0.5	1000/800/600

主要配置 Main Configuration

主要部件 Main components	技术类型 Type
控制柜 Controller	微机控制 Micro control
桁架 Truss	挠度 Deflection 1/750 (1/1000; 1/1500)
主机 Machine	蜗轮蜗杆/斜齿轮 Turbo-Worm/Helical gear
链条 Chain	滚轮内置 Roller inside
梯级 Step	不锈钢/铝合金 / St. steel/Aluminum Alloy
滚轮 Roller	聚氨酯骨架滚轮 Polyurethane
驱动 Main drive	大摩擦轮驱动 Big friction wheel
侧板 Side panel	整体焊接式 Overall welding
梯路 Track system	型材导轨 Profile rail
扶手带 Handrail	C型带 C type
扶手导轨 Handrail guide rail	不锈钢/铝合金 St. steel/Aluminum Alloy
扶手拦板 Balustrade	钢化玻璃/不锈钢 Toughened glass/St. steel
裙板/盖板 Skirt panel/Decking	不锈钢 St. steel
润滑系统 Lubrication system	电磁泵/齿轮泵 Electromagnetic pump/Gear pump
扶手入口 Handrail entry	铝合金 Aluminum Alloy
前沿板 Floor plate	不锈钢/铝合金 St. steel/Aluminum Alloy
梳齿 Comb	铝合金/工程塑料 Aluminum Alloy/Engineering plastics

公交型自动扶梯 PUBLIC ESCALATOR



公交型自动扶梯

技术参数 Specifications

提升高度(mm) Rise	倾斜角度 Angle of Inclination	额定速度(m/s) Rated speed	梯级宽度(mm) Step width
≤20000	30°/27.3°/23.2°	0.65/0.5	1000/800/600

主要配置 Standard Configuration

主要部件 Main components	技术类型 Type
控制柜 Controller	微机控制 Micro control
桁架 Truss	挠度 Deflection 1/1000(1/1500)
主机 Machine	斜齿轮 Helical gear
链条 Chain	滚轮内置/外置 Roller outside
梯级 Step	不锈钢(铝合金) St. steel(Aluminum Alloy)
滚轮 Roller	聚氨酯骨架滚轮 Polyurethane
驱动 Main drive	端部驱动/大摩擦轮驱动 End drive
侧板 Side panel	导轨拼接 Guide rail splice
梯路 Track system	型材导轨 Profile rail
扶手带 Handrail	V型带/C型带 V type/C type
扶手导轨 Handrail guide rail	不锈钢 St. steel
扶手拦板 Balustrade	钢化玻璃/不锈钢 Toughened glass/St. steel
裙板/盖板 Skirt panel/Decking	不锈钢 St. steel
润滑系统 Lubrication system	电磁泵/齿轮泵 Electromagnetic pump/Gear pump
扶手入口 Handrail entry	不锈钢 St. steel
前沿板 Floor plate	不锈钢/铝合金 St. steel/Aluminum Alloy
梳齿 Comb	铝合金/工程塑料 Aluminum Alloy/Engineering plastics

自动人行道 TRAVELATOR



自动人行道

技术参数 Specifications

提升高度(mm) Rise	倾斜角度 Angle of inclination	额定速度(m/s) Rated speed	梯级宽度(mm) Step width
≤6000	10°/11°/12°	0.5	1000/800

主要配置 Main Configuration

主要部件 Main components	技术类型 Type
控制柜 Controller	微机控制 Micro control
桁架 Truss	挠度 Deflection 1/750(1/1000;1/1500)
主机 Machine	蜗轮蜗杆/斜齿轮 Turbo-Worm/Helical gear
链条 Chain	滚轮内置 Roller inside
梯级 Step	不锈钢/铝合金 St. steel/Aluminum Alloy
滚轮 Roller	聚氨酯滚轮 Polyurethane
驱动 Main drive	大摩擦轮驱动 Big friction wheel
侧板 Side panel	整体焊接式 Overall welding
梯路 Track system	型材导轨 Profile rail
扶手带 Handrail	C型带 C type
扶手导轨 Handrail guide rail	不锈钢/铝合金 St. steel/Aluminum Alloy
扶手拦板 Balustrade	钢化玻璃/不锈钢 Toughened glass/St. steel
裙板/盖板 Skirt panel/Decking	不锈钢 St. steel
润滑系统 Lubrication system	电磁泵 Electromagnetic pump
扶手入口 Handrail entry	铝合金 Aluminum Alloy
前沿板 Floor plate	不锈钢/铝合金 St. steel/Aluminum Alloy
梳齿 Comb	铝合金/工程塑料 Aluminum Alloy/Engineering plastics



控制系统

- 采用全面提升的32位微处理器，控制系统功能全面。
- 全方位的安全功能保护（安全完整性等级SIL2）。
- 双CPU容与设计。
- 自学习，自推测。
- 独立工频切换功能。

CONTROL SYSTEM

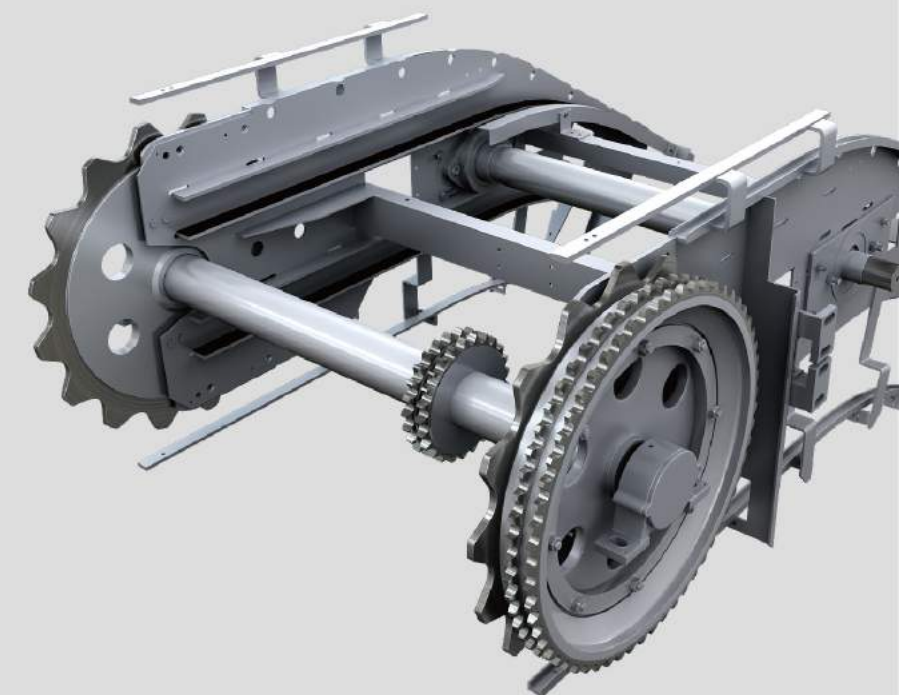
- Adopts the comprehensive promotion of 32-bit microprocessor, the control system is fully functional.
- A full range of security features to protect (safety integrity level SIL2).
- More than double CPU design.
- Self-study, speculation.
- Independent power frequency switching function.

梯路导轨

- 采用高强度耐磨性良好的聚氨酯滚轮和高强度板式链，负载能力大，抗腐蚀能力强，使用寿命长。
- 侧板式梯路采用全自动机器人焊接，有效提高梯路品质和精度。
- 端部采用先进的降噪技术，大大提高乘梯舒适感。
- 双侧梯路导向，安装精度高，定位便捷。

TRACK SYSTEM

- High strength wear-resistant polyurethane rollers and high strength plate chain, large load capacity, strong corrosion resistance, long service life.
- Side plate track system with fully automatic robot welding, effectively increase the track system quality and precision.
- End use of advanced noise reduction technology, greatly improving the comfort.
- Bilateral direction track system, high precision of installation.



主机

- 专业的主机研发团队致力于品质卓越的设计理念，缔造无与伦比的成熟系统。
- 将紧凑，高效，强悍动力集于一身，实现旗舰级工艺。
- 制造工艺先进，使用寿命高，制动系统配置抱闸打开检测，进口闸衬电机过热保护，使安全性更高，可靠性更强，寿命更长，运行可靠。
- 电机飞轮内置，有效防止人为接触，防护等级高。

MACHINE

- Professional research and development of the machine team is committed to the design concept of excellent quality, to create unique mature system.
- Compact, high efficiency, strong power, realize the flagship process.
- Advanced manufacturing technology, high service life, brake system with brake open inspection, imported brake lining and motor overheating protection, make safer, more reliability and longer service life, reliable operation.
- The built-in flywheel can effectively prevent contact, high protection class.



主驱动

- 采用高强度的合金材质，高精度的制造，同步性好，安全系数高。

MAIN DRIVE

- High strength alloy material, precision manufacturing, good synchronization, high safety coefficient.

扶手驱动

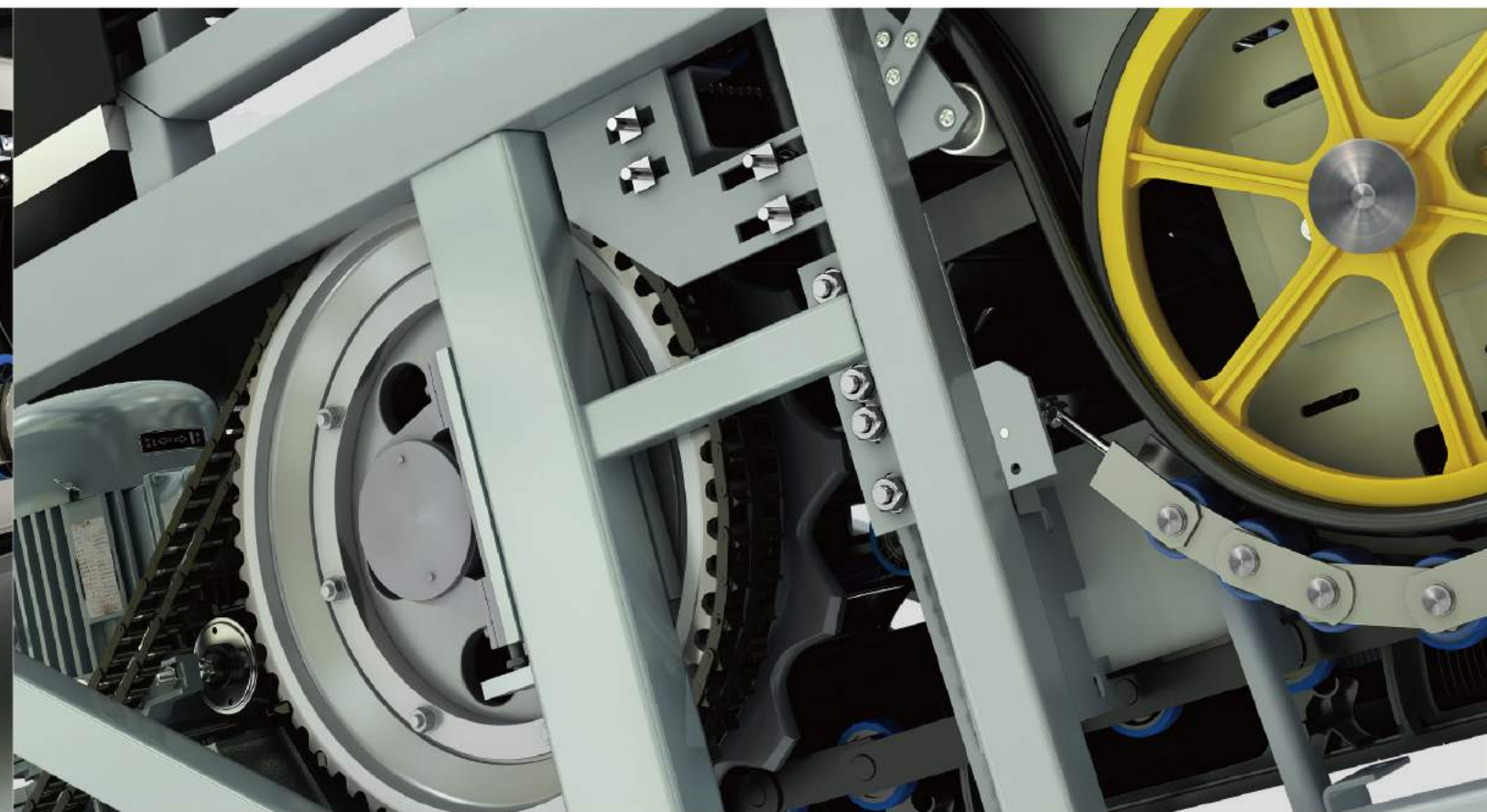
- 大摩擦轮驱动，超强的扶手驱动力，保证扶手带与梯级同步运行。

HANDRAIL DRIVE

- Big friction drive, the super drive power of handrail ensure handrail belt and step synchronization operation.



可靠 RELIABLE



梯级

- 防滑处理高强度不锈钢梯级。
- 采用国标或更高防火等级的梯级边框。
- 梯级进行动载试验2000万次，远超过国标要求。

STEP

- Anti-skidding treatment, high strength stainless steel step.
- National standard or higher level of fire prevention step frame.
- Step past dynamic load test of 20 million times, far more than national standard.

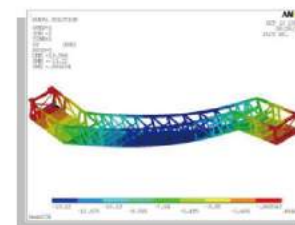


链条

- 高强度梯级传送链，能极大满足使用需要，设计寿命达70,000小时。

CHAIN

- High strength step transmission chain, can greatly meet the requirements of use, the design life time reach 70000 hours.



桁架

- 结构稳定的焊接桁架，桁架强度通过ANSYS有限元分析，结构安全更可靠。
- 室内梯经过防腐喷涂处理，室外梯热镀锌处理。
- 通过EN1090焊接认证，焊接水平达到世界领先。

TRUSS

- Stable welding truss structure, truss strength through ANSYS finite element analysis, safer and more reliable.
- Indoor truss through anti-corrosion spraying processing, outdoor truss galvanized processing.
- Pass EN1090 welding certification, welding reached world leading level.

舒适 COMFORT

自动润滑装置

- 定时对扶梯所有链条进行润滑，有效保证乘梯通畅舒适运行。
- 扶梯运行过程中保证所有链条处于合理润滑状态，有效防止生锈造成的卡链、断链风险，提高扶梯运行的质量，舒适度，使用寿命。

AUTOMATIC LUBRICATION DEVICE

- Timely carrying out lubrication for all escalator chain guarantees operation smooth and comfort.
- Ensuring that all the chain is in reasonable lubrication condition when escalator is running, prevent rust, broken risk.

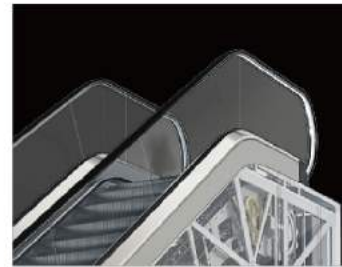


玻璃栏板

- 采用铝合金材质的玻璃夹紧装置，使用更稳固。
- 玻璃栏板高度930mm，比行业同类产品高，有效防止意外攀爬。

GLASS BALUSTRADE

- Using aluminum alloy material of glass clamping device, more stable.
- Glass balustrade height is 930 mm, higher than the same products in industry, effectively prevent the accident of climbing.

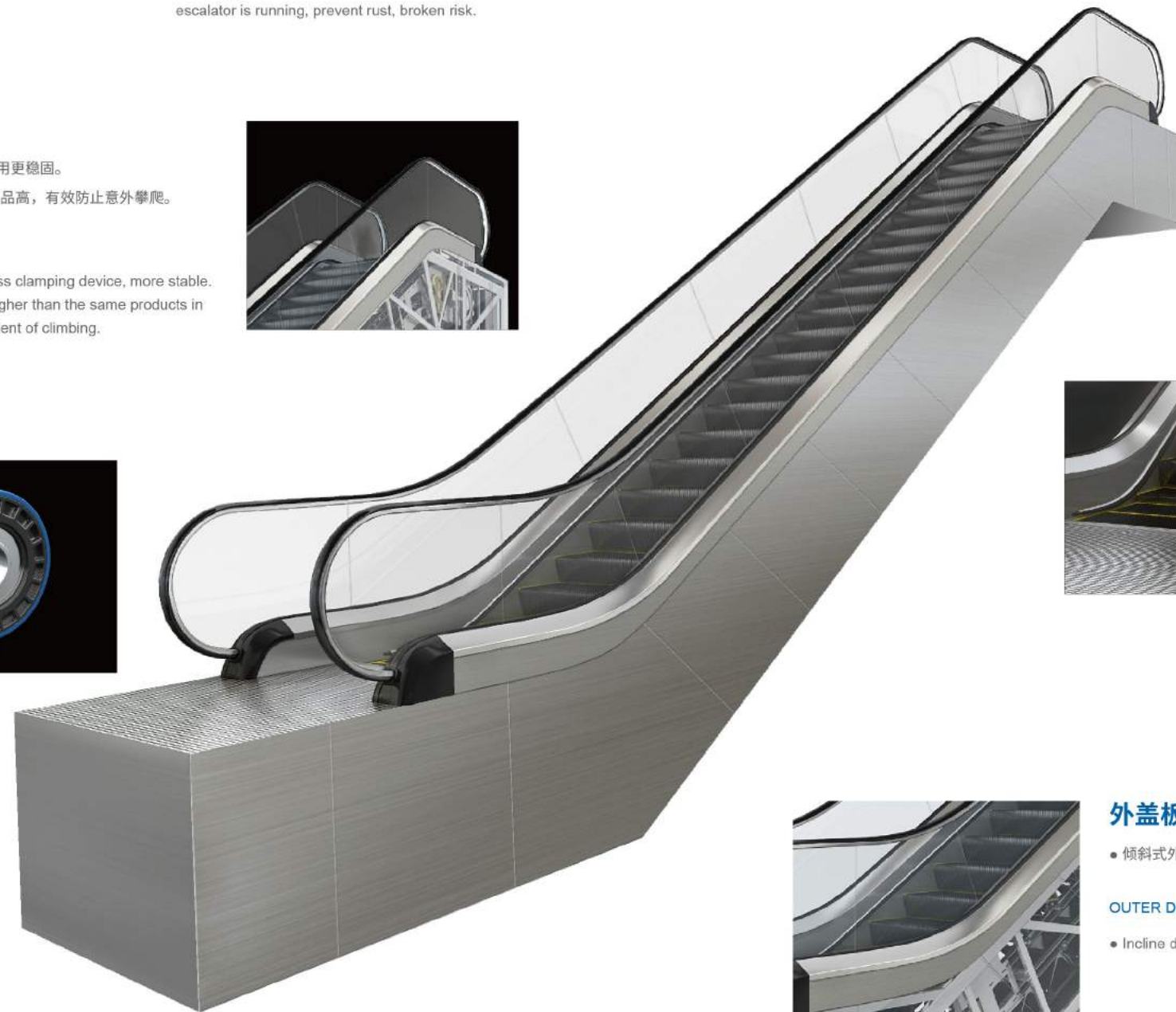


滚轮

- 高强度聚氨酯骨架滚轮，承载能力强。
- 大直径滚轮采用德国进口聚氨酯材料，乘坐舒适性强，使用寿命更长久。

ROLLER

- High strength of polyurethane skeleton roller, carrying capacity is strong
- Large diameter roller adopts Germany imported polyurethane materials, comfort and longer service life



前沿板

- 经过防滑特殊处理。
- 强度通过专业测试。
- 商务大气的花纹设计。

FLOOR PLATE

- Special anti-skidding treatment.
- Professional test for intension.
- Beautiful pattern design.

扶手入口

- 采用铝合金材质的扶手入口。
- 线条美观，大方。
- 强度高，入口保护安全等级高。

HANDRAIL ENTRY

- Using aluminium alloy material .
- Beautiful appearance.
- High strength, high protection grade.



外盖板

- 倾斜式外盖板，有效防止意外攀爬。

OUTER DECKING

- Incline decking, prevent climbing accident.



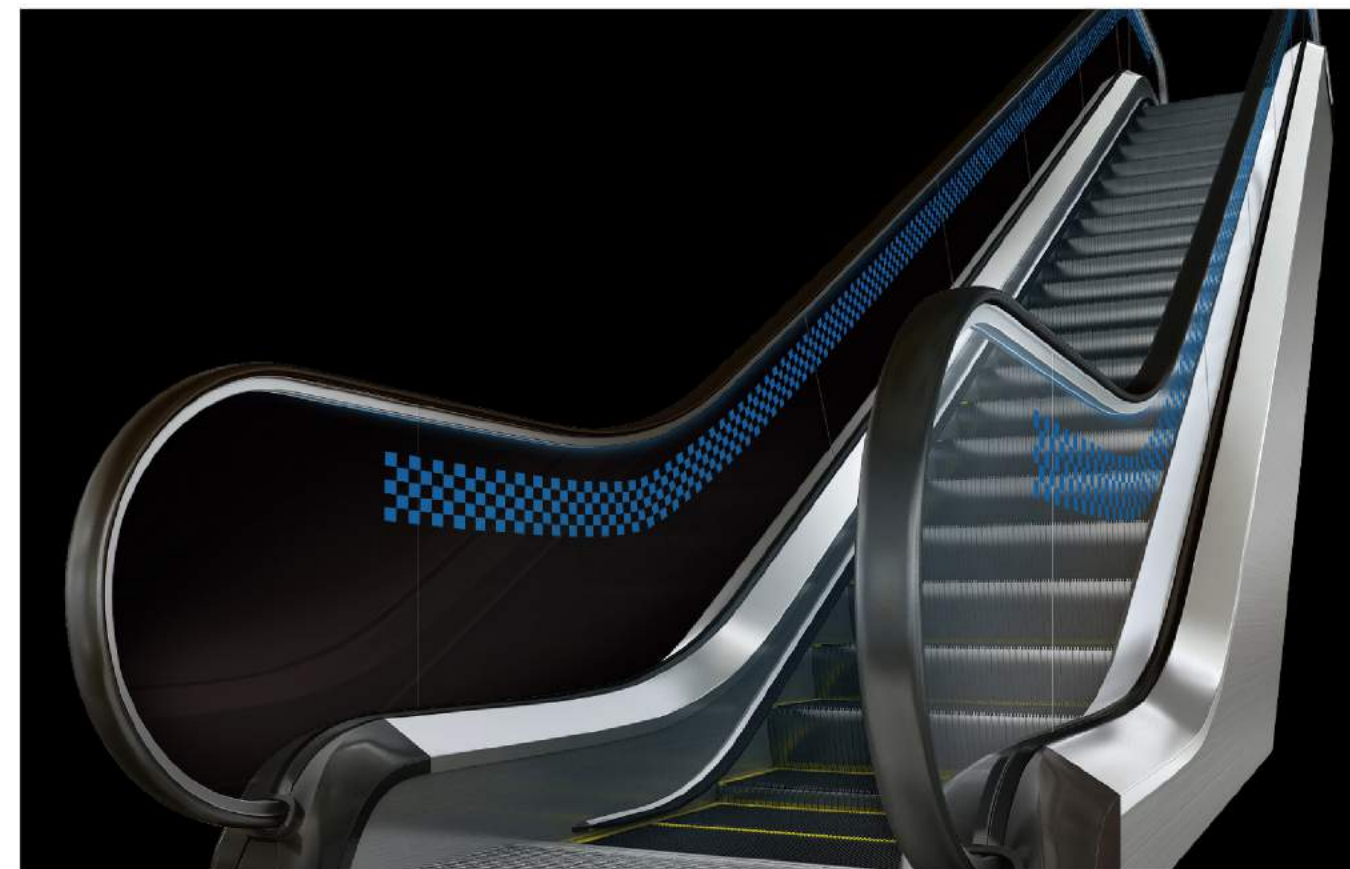
可选配置
OPTIONAL



扶手带 HANDRAIL BELT



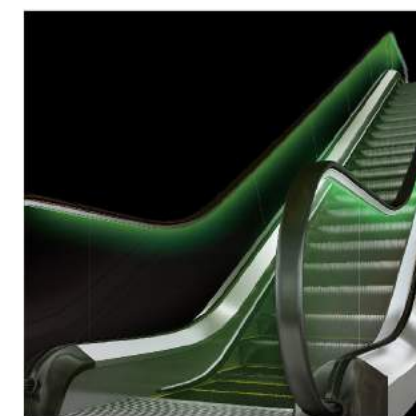
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扶手照明 - P型 HANDRAIL LIGHTING - P TYPE



扶手照明 - P型
HANDRAIL LIGHTING - P TYPE

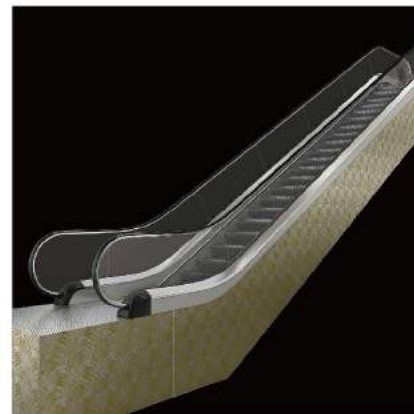
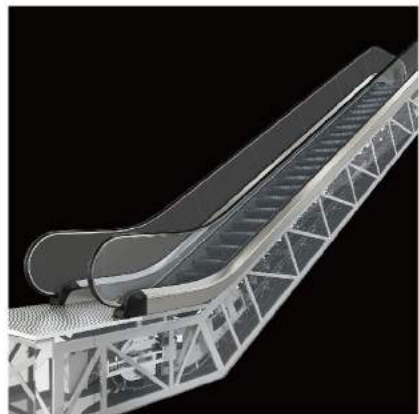


扶手照明 - S型
HANDRAIL LIGHTING - S TYPE

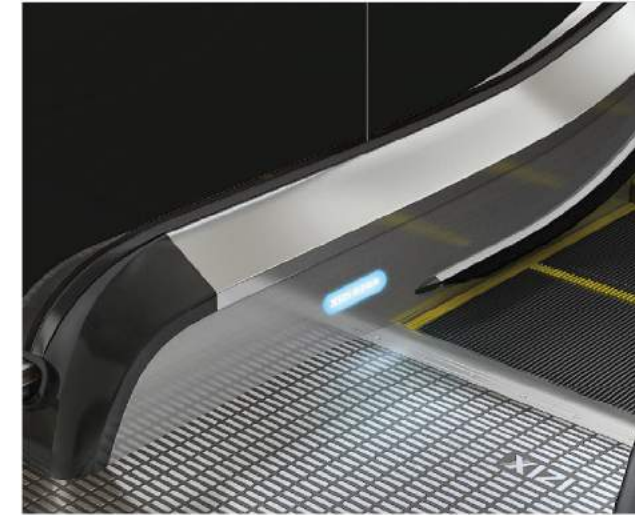


扶手照明 - S型
HANDRAIL LIGHTING - S TYPE

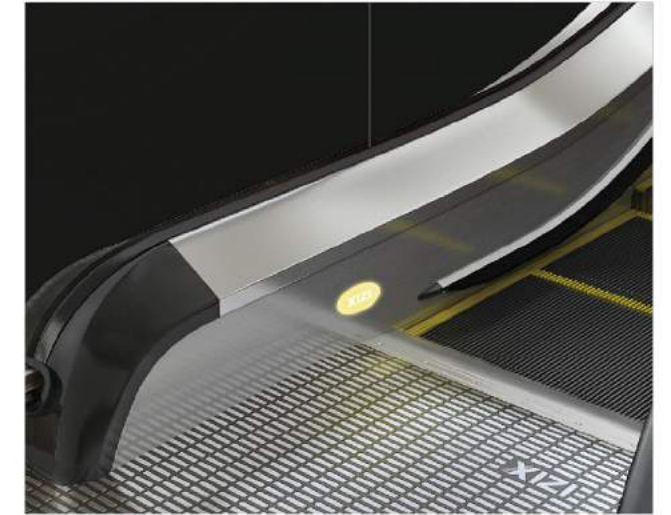
可选配置
OPTIONAL



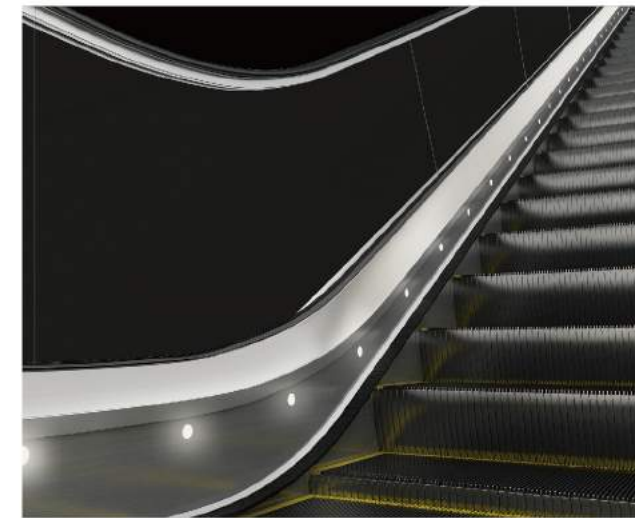
可选装潢
OUTER CLADDING



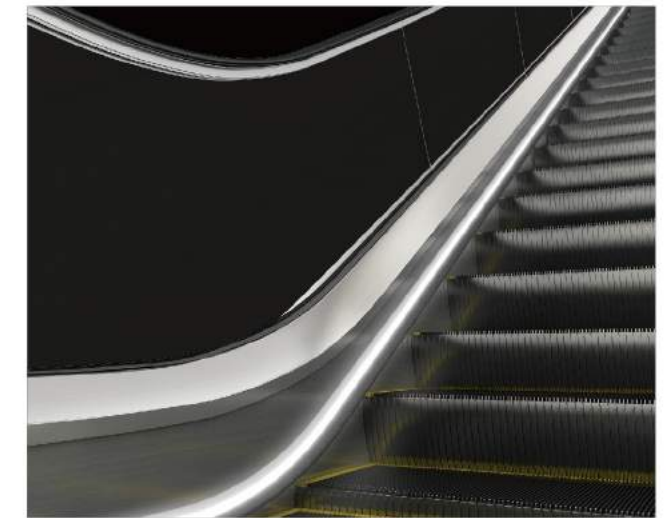
梳齿照明 - L型
COMB LIGHTING - L TYPE



梳齿照明 - O型
COMB LIGHTING - O TYPE



裙板照明 - P型
SKIRT PANEL LIGHTING - P TYPE



裙板照明 - S型
SKIRT PANEL LIGHTING - S TYPE

可选配置
OPTIONAL



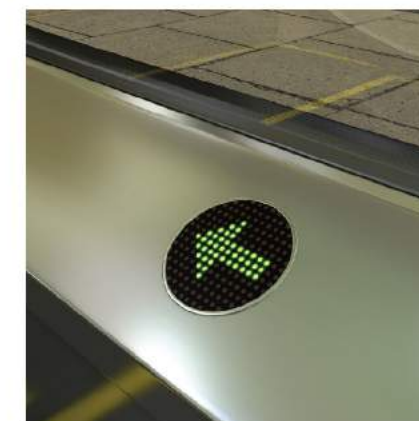
梯级照明
STEP LIGHTING



扶梯加热系统 ESCALATOR HEATING SYSTEM



交通流量灯 - O型
TRAFFIC FLOW LIGHT - O TYPE



交通流量灯 - I型
TRAFFIC FLOW LIGHT - I TYPE



多功能立柱
MULTI - FUNCTION PILLAR

功能选项 OPTIONAL FUNCTION

扶梯及人行道可提供三种节能样式

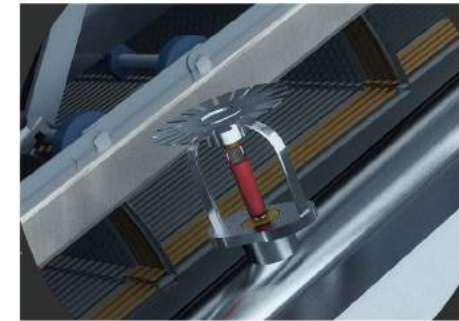
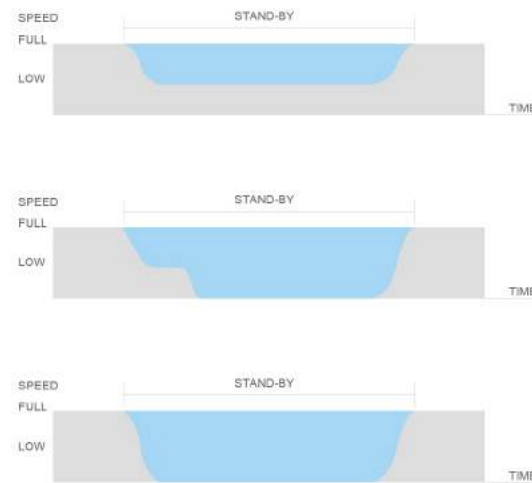
- ◎ 智能变频节能模式
- ◎ 智能变频自启动模式
- ◎ 智能自启动模式

多方式实现节能效果，为您提供贴心的选择

Escalator and travelator can provide three kinds of energy-saving mode

- ◎ Frequency conversion energy-saving mode
- ◎ Intelligent variable frequency mode
- ◎ Intelligent self-start running mode

Achieve the energy-saving effect, gives you close choice



消防功能 (选配)

配备消防喷淋系统，自动感应到异常状态时即会启动。

FIRE PROTECTION (OPTIONAL)

With fire sprinkler system, will start when abnormal situation is detected automatically.



维保管理系统 (选配)

维保管理系统能够自动检测扶梯运行并发送短信，提醒维护。

MAINTAIN MANAGEMENT SYSTEM (OPTIONAL)

Maintain management system can automatically detect the running situation of escalator and send the message by mobile phone to remind maintain.

节能方法 Energy-saving mode	变频节能模式 (选配) Frequency conversion energy-saving mode (Standard configuration)	智能自启动 (选配) Intelligent self-start (Selected by payment)	智能可变速系统 (选配) Intelligent variable speed system (Selected by payment)
空载节能效果 Non-load energy-saving effect	大于60% Larger than 60%	大于70% Larger than 70%	大于80% Larger than 80%
机械寿命 Mechanical life	延长 Extend	延长 Extend	延长 Extend
噪音 Noise	小 Small	小 Small	小 Small



能耗反馈系统 (选配)

能耗反馈系统，准确反馈扶梯运行能耗，确保扶梯始终处于良好状态。

ENERGY FEEDBACK SYSTEM (OPTIONAL)

Energy feedback system accurate feedback escalator running energy consumption, to ensure that the escalator has always been in good condition.

安全配置

SAFETY CONFIGURATION



主驱动断链保护/主驱动张紧
Main drive chain broken detect



扶梯测速/扶梯防逆转
Main drive speed detect



梯级塌陷
Step collapse detect



防静电
Step anti - static



扶手测速
Handrail speed detect



围裙板保护
Skirt panel protection



梯级链松断保护
Step chain loosen and broken protection



急停按钮 + 故障显示
Emergency stop button + fault display



前沿板打开保护
Floor plate open detect

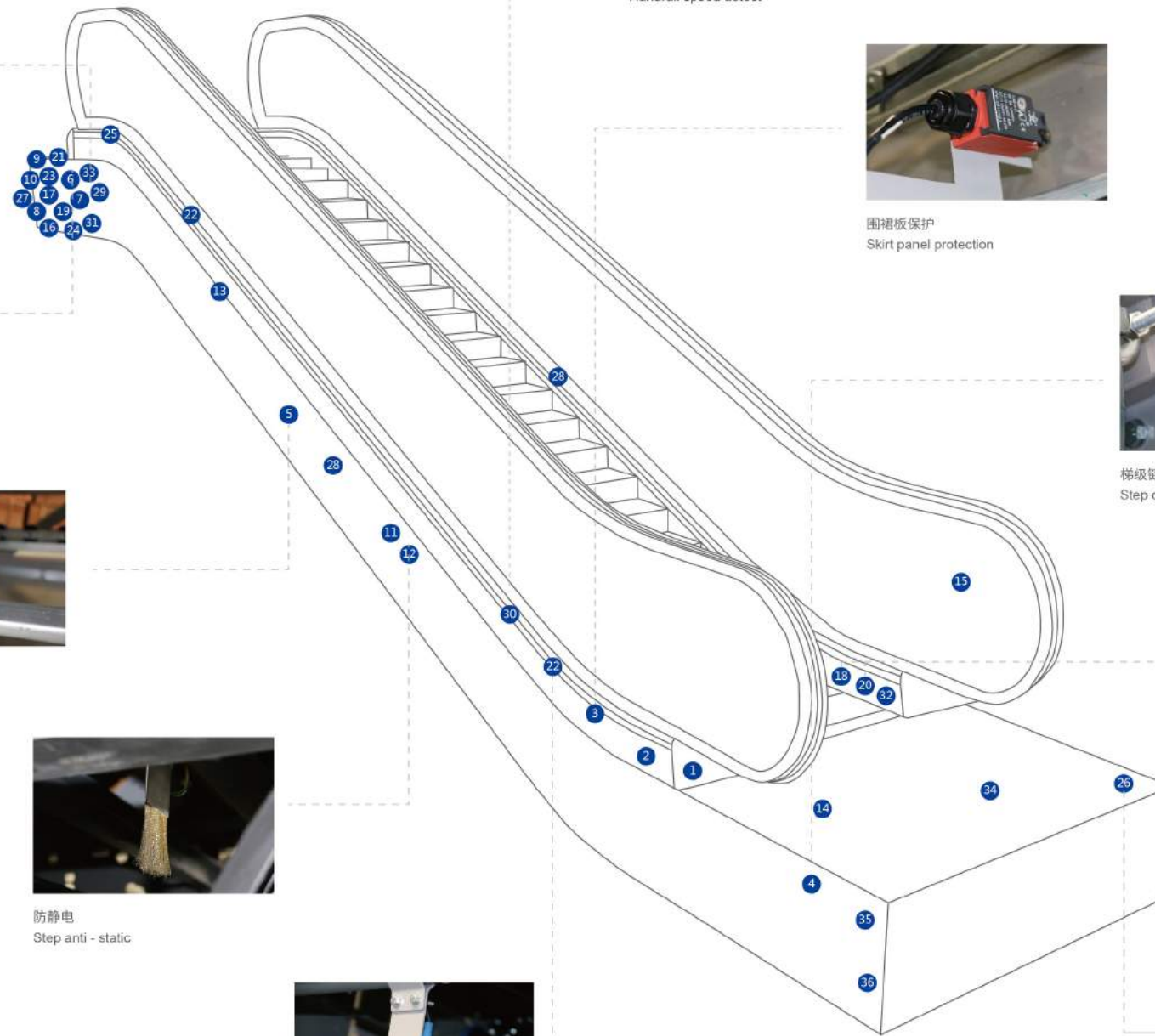
标准安全配置 Standard safety configuration

- (1) 扶手入口保护装置 Handrail entry protection
- (2) 梳齿板保护 Comb plate protection
- (3) 围裙板挤压保护 Skirt panel protection
- (4) 梯级链松断保护 Step chain loosen and broken protection
- (5) 梯级塌陷及滚轮破裂保护 Step collapse and roller broken protection
- (6) 超速保护 Overspeed protection
- (7) 非操纵逆转保护 Unintentional Reversal Safety Device
- (8) 电机过载过热保护 Motor Overload And Overheat Protective Device
- (9) 接地系统 GND Protective Device
- (10) 断相错相保护 Phase-failure-reverse Device
- (11) 扶手带防静电 Handrail Antistatic Brush
- (12) 梯级防静电 Step Antistatic Brush
- (13) 梯级防上跳保护 Step Anti-rebound Device
- (14) 机房护板 Machine Room Protective Device
- (15) 安全警示标签 Safety warning labels
- (16) 制动器松闸保护 Brake release protection
- (17) 风扇罩打开 Fan cover open protection
- (18) 上下行钥匙开关 Up & Down key switch

- (19) 自动润滑 Auto lubrication
- (20) 急停按钮 Emergency stop button
- (21) 主回路断路器 Main Circuit Protective Device
- (22) 梯级丢失保护 Step missing protection
- (23) 抱闸打开检测 Brake Open Detect Device
- (24) 手动盘车保护 Hand winding device
- (25) 检修运行 Inspection running
- (26) 前沿板打开检测 Floor Plate Open Protective Device
- (27) 启动警铃 Starting Alarm Bell
- (28) 围裙毛刷 Skirt panel brush
- (29) 制动距离检测 Brake distance detect
- (30) 扶手带速度检测 Handrail Speed Detect Device
- (31) 主驱动链张紧和断链保护 Main Drive Chain Tension and Broken Control device
- (32) 故障显示 Fault display
- (33) 上下维修互锁定 Lock up and down under Maintenance
- (34) 前沿板提升工具 Floor plate lifting device
- (35) 上下机房踏板 Up and down machine room pedal
- (36) 检修安全工具 Inspection safety tools

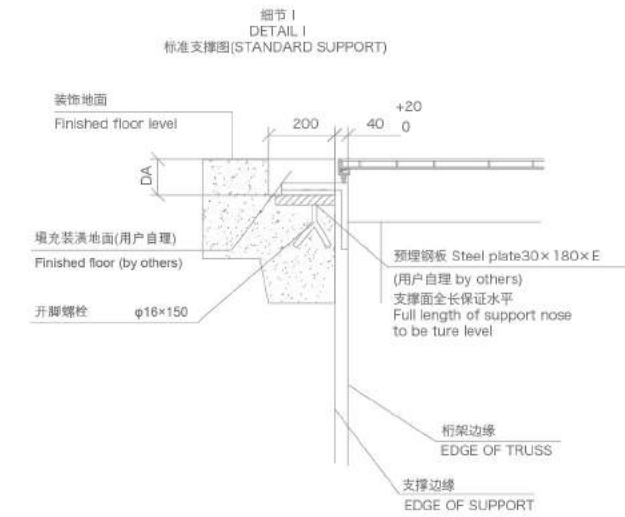
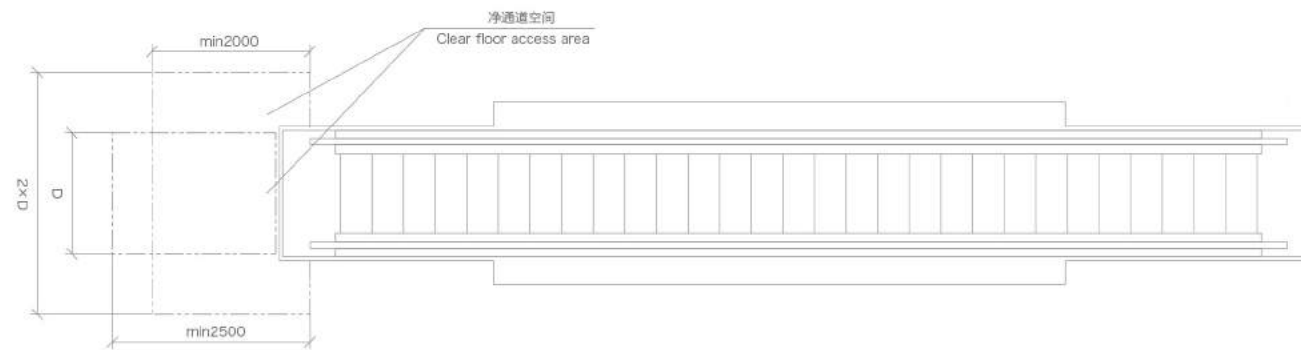
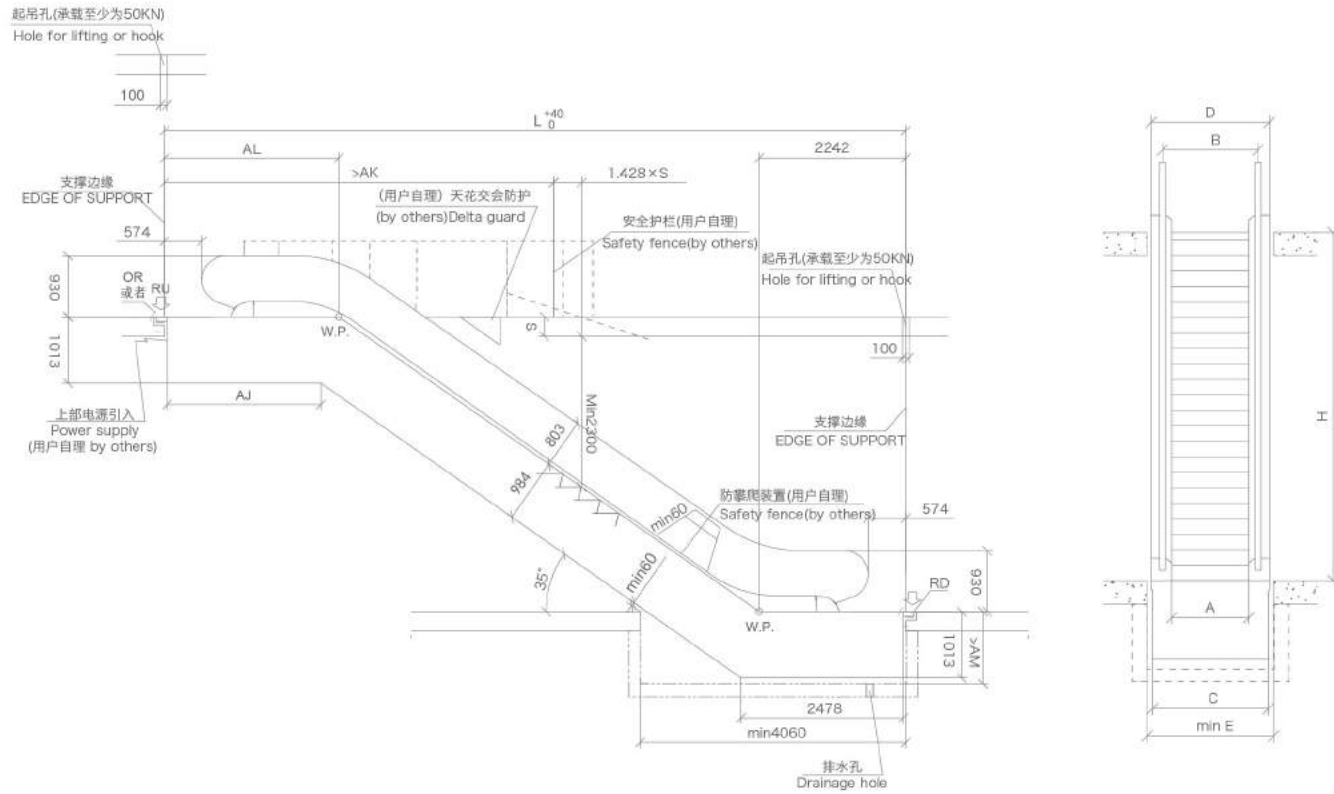


梯级丢失
Step missing detect



商用型扶梯(35°) - 土建图

LAYOUT DRAWING - COMMERCIAL ESCALATOR (35°)



业主和土建承包商应完成的工作:

1. 本图适用提升高度H≤8米, 允许偏差-15mm~+15mm.
2. 当水平跨度L>15.3米时需加1中间支撑, 位置基本居中.
3. 安装之前, 所有洞必须设有高度不小于1.2米的安全防护围封, 并应保证有足够的强度.
4. 底坑内应防水, 排水孔应设在墙角处.
5. 根据技术参数表中的要求配备电源, 电源应设保护的开关且上锁并把线拉到机房, 电源波动范围不应超过±7%, 电源零线和接地线应分开, 且接地电阻值不大于4Ω.
6. 当扶手中心线与任何障碍物之间的距离小于500mm时, 用户需在外盖板上方设立一个无锐利边缘的垂直防撞挡板, 高度不应小于300mm.
7. 用户如有特殊要求, 需经厂家技术认可, 方可签约.
8. 土建必须满足扶梯或人行道相关使用规范和标准.
9. 预留3米长, 10平方电源线, 客户自理.

THE WORK THAT CUSTOMER AND CONTRACTOR HAVE TO DO:

1. This drawing is fit for the products which rise H≤8m, the permitted tolerance is -15mm~+15mm.
2. Before installed, all holes have to be enveloped with the safety guard which height is not less than 1.2m and guarantee the strength is enough.
3. There should be anti water inside pit. The location of plash should be at the basement.
4. According to the requirement of the technology data, the power supply with the safety switch is setting at the machine room. The fluctuation of voltage can not over than ±7%. The N wire and earth wire should be separated and the ground resistance is not more than 4 Ω.
5. The corresponding parameter about machine should reference SEB.
6. If the customer need the photoelectricity VFstart, there should be a space for multifunction installed, the distance between the space and the comb crossline is at least 1.3m.
7. If the customer have any special request, should contract after being agreed by the company technology.
8. Constructions should conform with the relevant regulations & codes of the usage of escalators and moving walks.
9. 3m reservation, 10m² power line solved by users.

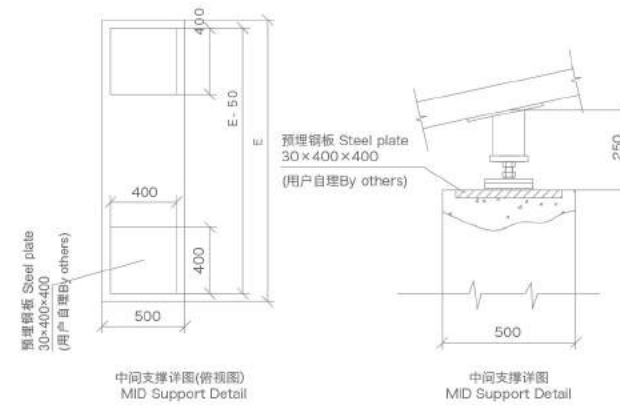
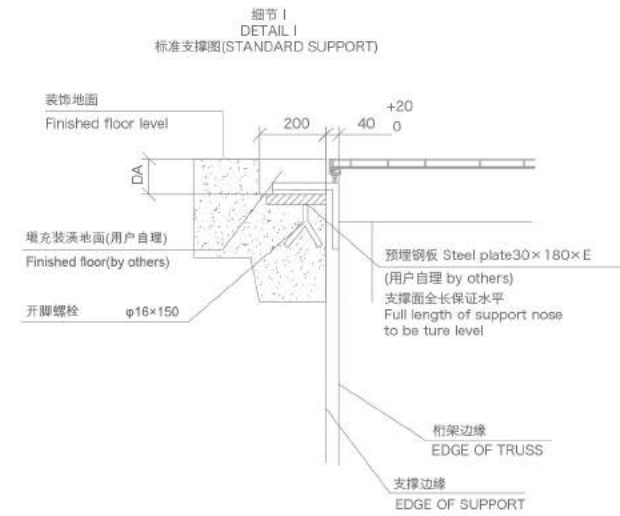
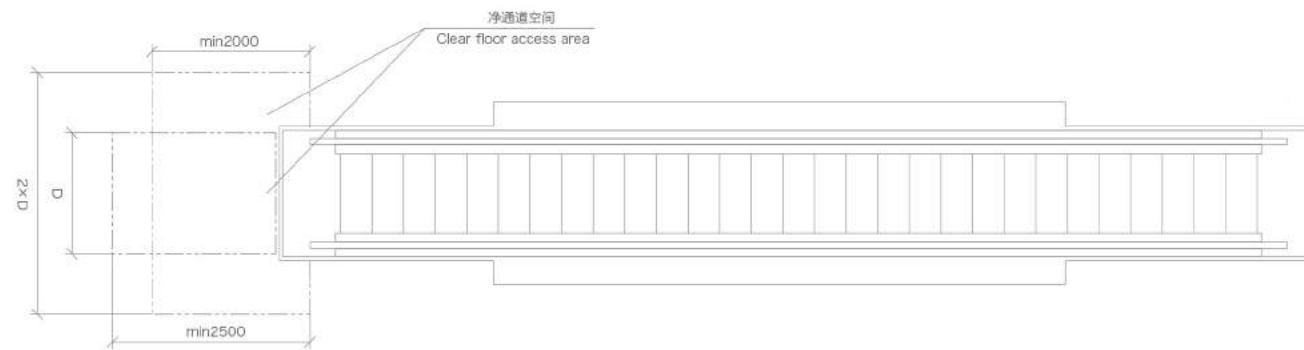
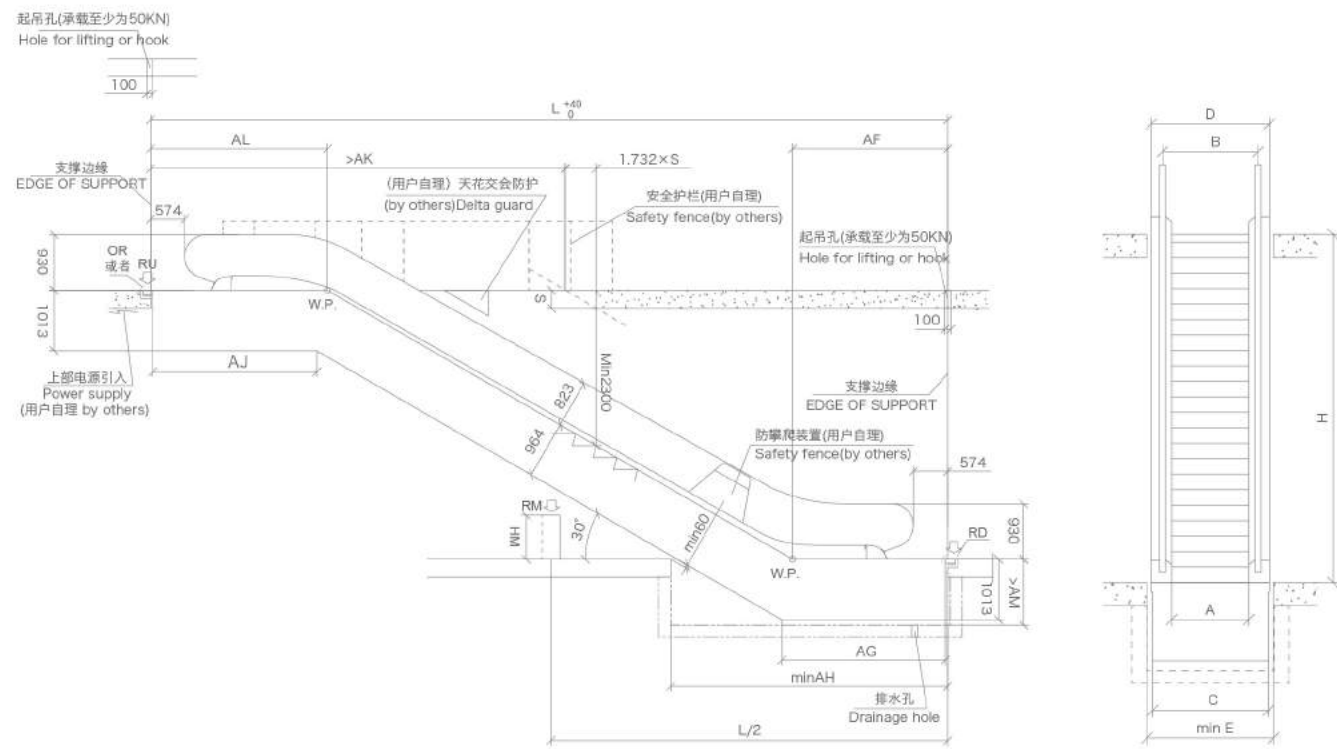
REACTIONS 反应力(KN)	梯级宽度 STEP WIDTH	2个支撑点 2 supports L-单位m	
		RU=	RD=
1000	1000	RU=	5.11L+13
		RD=	5.11L+5
800	800	RU=	4.41L+15
		RD=	4.41L+9
600	600	RU=	3.76L+18
		RD=	3.76L+12

600	837	1100	1130	1240	2844	6450	3163	1.428H+5405	室内、室外A包标配 For Indoor, Outdoor model A	1103	标配不含减震垫 Without Shock absorbing rubber	108
800	1037	1300	1330	1440	2344	5950	2663	1.428H+4905				
1000	1237	1500	1530	1640					室外B包加配油水分离器时 For Outdoor model B with Oil separator	1353	加配减震垫 With Shock absorbing rubber	128
A	B	C	D	E	AJ	AK	AL	L		AM		DA

* 土建跨距允许缩短, 具体尺寸咨询我司 Span can be shorter, details please contact sales

商用型扶梯(30°) - 土建图

LAYOUT DRAWING - COMMERCIAL ESCALATOR (30°)



业主和土建承包商应完成的工作:

1. 本图适用提升高度H≤8米, 允许偏差-15mm~+15mm,
2. 当水平跨度L>15.3米时需加1中间支撑, 位置基本居中。
3. 安装之前, 所有洞必须设有高度不小于1.2米的安全防护围封, 并应保证有足够的强度。
4. 底坑内应防水, 排水孔应在墙角处。
5. 根据技术参数表中的要求配备电源, 电源应设保护的开关且上锁并把线拉到机房, 电源波动范围不应超过±7%。电源零线和接地线应分开, 且接地电阻值不大于4Ω。
6. 当扶手中心线与任何障碍物之间的距离小于500mm时, 用户需在外盖板上方设立一个无锐利边缘的垂直防撞挡板, 高度不应小于300mm,
7. 用户如有特殊要求, 须经厂家技术认可, 方可签约。
8. 土建必须满足扶梯或人行道相关使用规范和标准。
9. 预留3米长, 10平方电源线, 客户自理。

THE WORK THAT CUSTOMER AND CONTRACTOR HAVE TO DO:

1. This drawing is fit for the products which rise H≤8m, the permitted tolerance is -15mm~+15mm.
2. Before installed, all holes have to be enveloped with the safety guard which height is not less than 1.2m and guarantee the strength is enough.
3. There should be anti water inside pit. The location of splash should be at the basement.
4. According to the requirement of the technology data, the power supply with the safety switch is setting at the machine room. The fluctuation of voltage can not over than ±7%. The N wire and earth wire should be separated and the ground resistance is not more than 4 Ω.
5. The corresponding parameter about machine should reference SEB.
6. If the customer need the photoelectricity VFstart, there should be a space for multifunction installed, the distance between the space and the comb crossline is at least 1.3m.
7. If the customer have any special request, should contract after being agreed by the company technology.
8. Constructions should conform with the relevant regulations & codes of the usage of escalators and moving walks.
9. 3m reservation, 10mm² power line solved by users.

注: 用户土建中间支撑梁高度计算公式如下: (单位mm)
 $HM = (L/2 - AF) \times \tan 30^\circ - (964 / \cos 30^\circ + 250)$

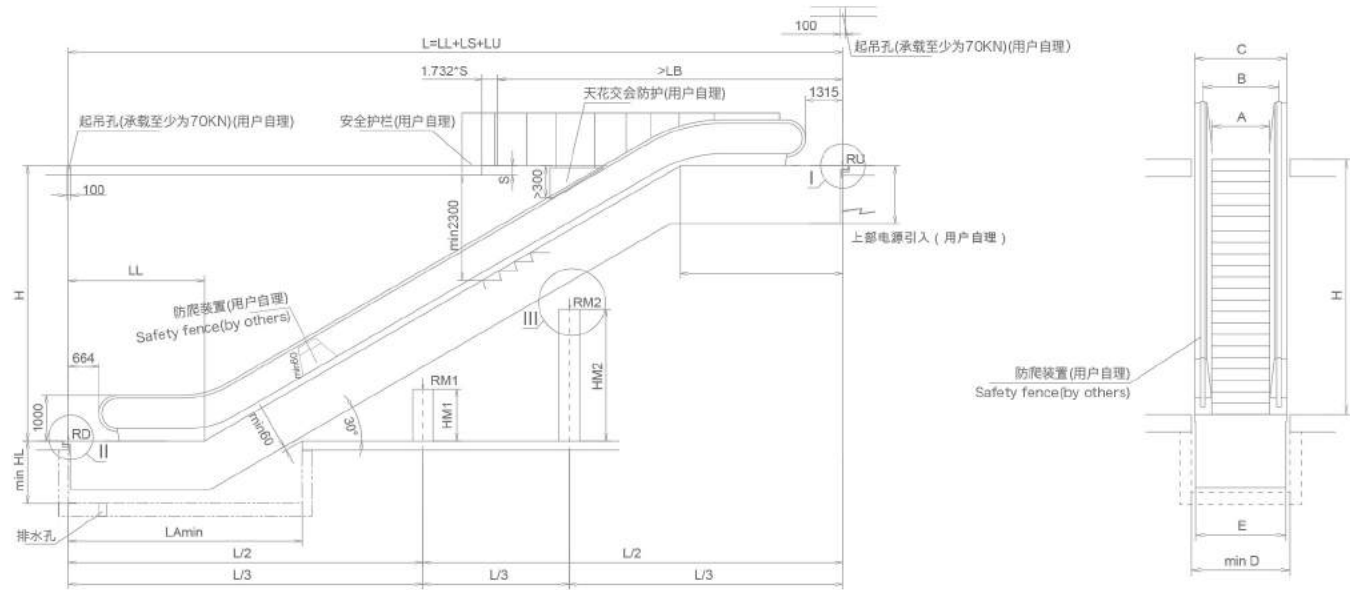
REACTIONS 反作用力(KN)	梯级宽度 STEP WIDTH	2个支撑点 2 supports L:单位m		3个支撑点 3 supports L:单位m	
		RU=	RD=	RU=	RD=
	1000		4.96L+17	4.96L+10	2.3L+13.6
800		4.31L+18	4.31L+10	2.02L+13.2	2.02L+6.8
				RM=	6.33L+4.8
600		3.88L+27			
		RD=	3.88L+22		

6000<H≤8000	3	800	1037	1300	1330	1440	2599	2740	4640	2744	6950	2966	1.732H+5565	室内, 室外A包标配 For Indoor, Outdoor model A	1103	标配不含减震垫 Without Shock absorbing rubber	108
		1000	1237	1500	1530	1640											
3000≤H≤6000	2	600	837	1100	1130	1240	2199	2340	4240	2844	7050	3066	1.732H+5265	室外B包加配油水分离器时 For Outdoor model B with Oil separator	1353	加配减震垫 With Shock absorbing rubber	128
		800	1037	1300	1330	1440											
		1000	1237	1500	1530	1640				2344	6550	2566	1.732H+4765				
H	平梯数 Flat steps	A	B	C	D	E	AF	AG	AH	AJ	AK	AL	L	AM	DA		

* 土建跨距允许缩短, 具体尺寸咨询我司 Span can be shorter, details please contact sales

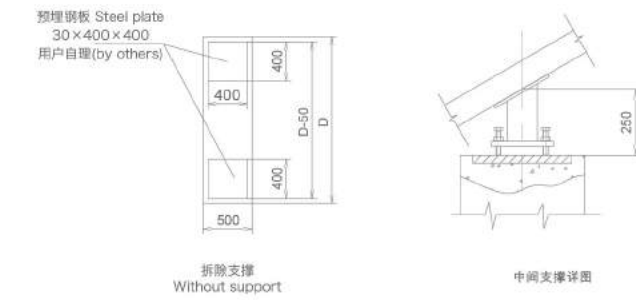
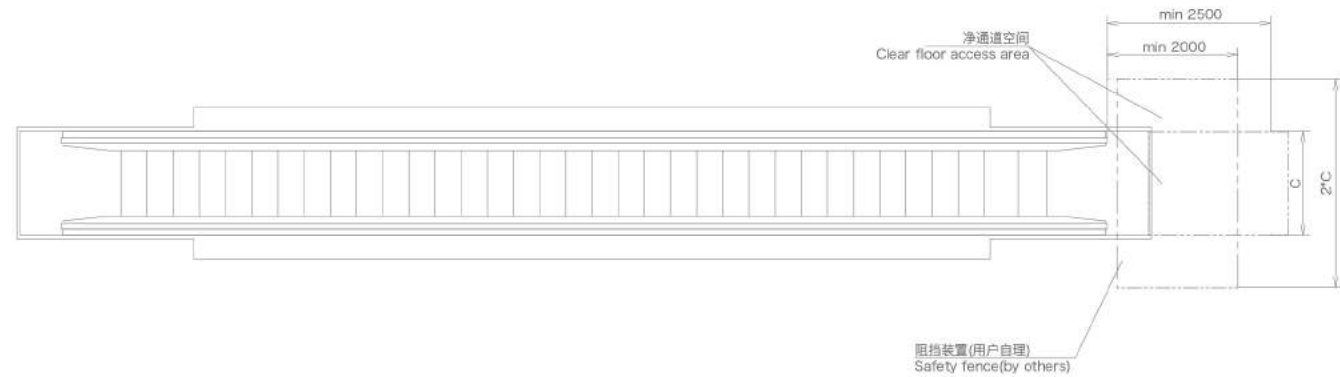
公交型扶梯(30°) - 土建图

LAYOUT DRAWING - PUBLIC ESCALATOR (30°)



$$HM1 = (L1 - LL) \times \tan 30^\circ - (982 / \cos 30^\circ + 250)$$

$$HM2 = (L1 + L2 - LL) \times \tan 30^\circ - (982 / \cos 30^\circ + 250)$$



业主和土建承包商应完成的工作:

- 1、本图适用提升高度H≤20米,允许偏差-15mm~+15mm。
- 2、当水平跨度L>15.3米时需加1中间支撑,位置基本居中。
- 3、安装之前,所有洞必须设有高度不小于1.2米的安全防护围封,并应保证有足够的强度。
- 4、底坑内应防水,排水孔应设在墙角处。
- 5、根据技术参数表中的要求配备电源,电源应设保护的开关且上锁并把线拉至上机房,电源波动范围不应超过±7%。电源零线和接地线应分开,且接地电阻值不大于4Ω。
- 6、当扶手中心线与任何障碍物之间的距离小于500mm时,用户需在外盖板上方设立一个无锐利边缘的垂直防撞挡板,高度不应小于300mm。
- 7、用户如有特殊要求,需经厂家技术认可,方可签约。
- 8、土建必须满足扶梯或人行通相关使用规范和标准。

THE WORK THAT CUSTOMER AND CONTRACTOR HAVE TO DO:

1. This drawing is fit for the products which rise $H \leq 20m$, the permitted tolerance is $-15mm \sim +15mm$.
2. Before installed, all holes have to be enveloped with the safety guard which height is not less than 1.2m and guarantee the strength is enough.
3. There should be anti water inside pit. The location of plash should be at the basement.
4. According to the requirement of the technology data, the power supply with the safety switch is setting at the machine room. The fluctuation of voltage can not over than $\pm 7\%$. The N wire and earth wire should be separated and the ground resistance is not more than 4Ω .
5. The corresponding parameter about machine should reference SEB.
6. If the customer need the photoelectricity VStart, there should be a space for multifunction installed, the distance between the space and the comb crossline is at least 1.3m.
7. If the customer have any special request, should contract after being agreed by the company technology.
8. Constructions should conform with the relevant regulations & codes of the usage of escalators and moving walks.

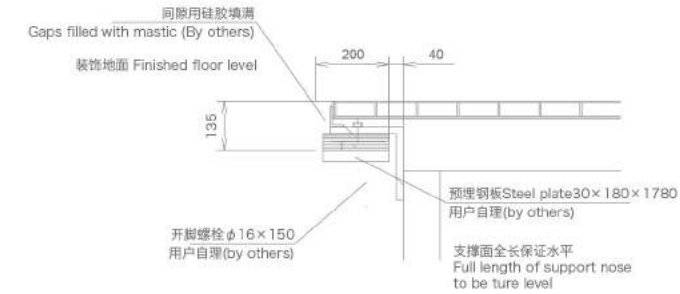
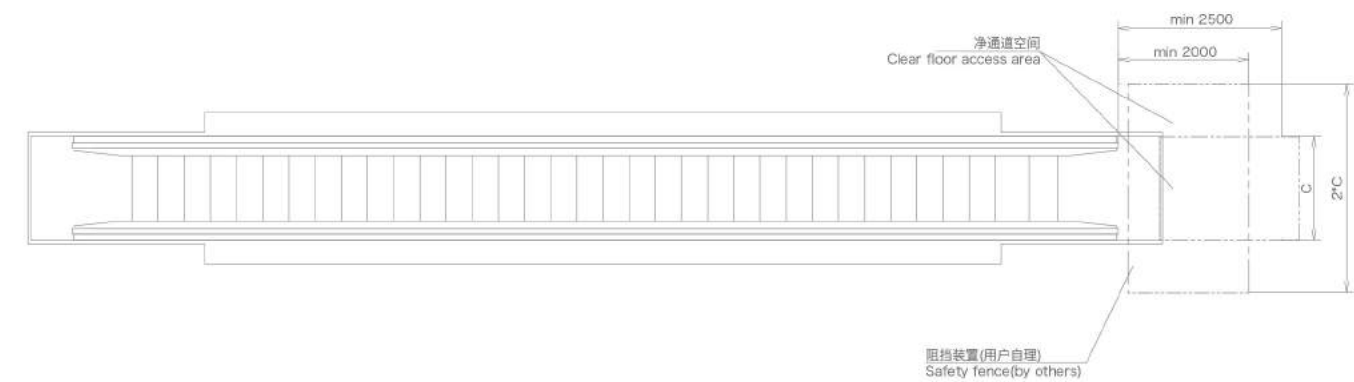
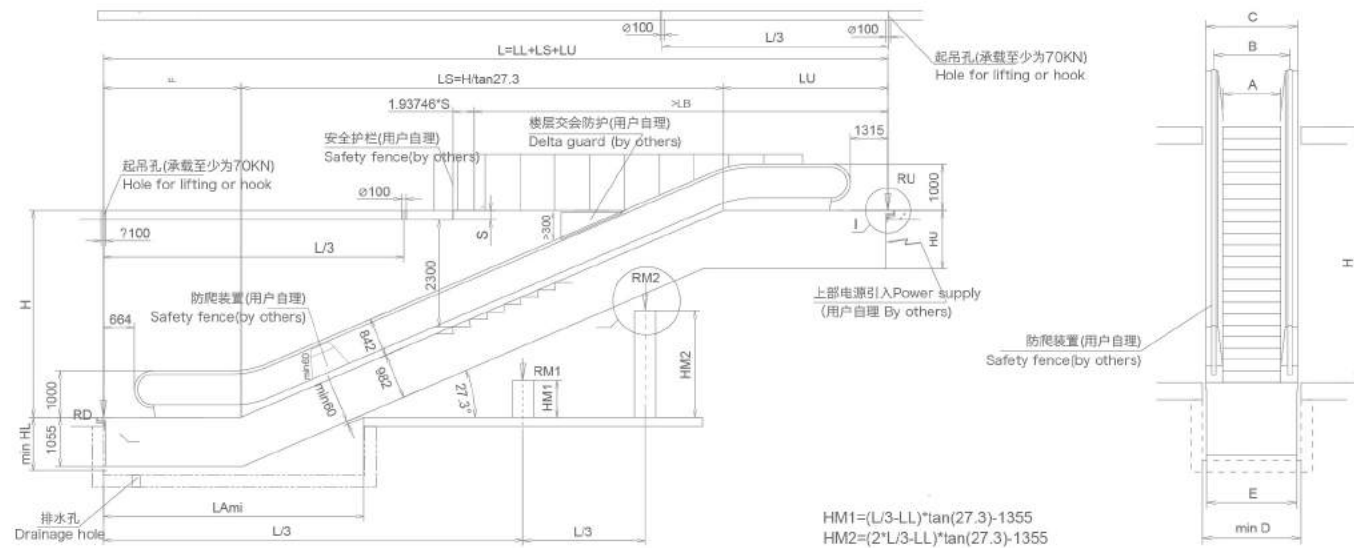
5			5900+DL2	3769+DL2	8835+DL1	4849+DL1	LL+H/tan30+LU	梯级类型	1000	800
4	1150	1400	5500+DL2	3369+DL2	8435+DL1	4449+DL1		A	1000	800
3			5100+DL2	2969+DL2	8035+DL1	4049+DL1		B	1282	1082
水平梯级	室内/in door	室外/out door	LA	LL	LB	LU	L	C	1700	1500
	HL							D	1780	1580
								E	1660	1460

6.3*L+7	6.3*L+22	2.4*L+3	2.4*L+23	7.8*L+15	1.67*L+5	1.67*L+11	4.55*L+2	4.55*L+2	标准配置
RD	RU	RD	RU	RM1	RD	RU	RM1	RM2	布置方式
无中间支撑/NO MID.SUPPORT		一个中间支撑/ONE INTERMEDIATE SUPPORT			两个中间支撑/TWO INTERMEDIATE SUPPORTS				ARRANGEMENT
支反力/SUPPORT FORCE(KN)									

* 土建跨距允许缩短, 具体尺寸咨询我司 Span can be shorter, details please contact sales

公交型扶梯(27.3°) - 土建图

LAYOUT DRAWING - PUBLIC ESCALATOR (27.3°)

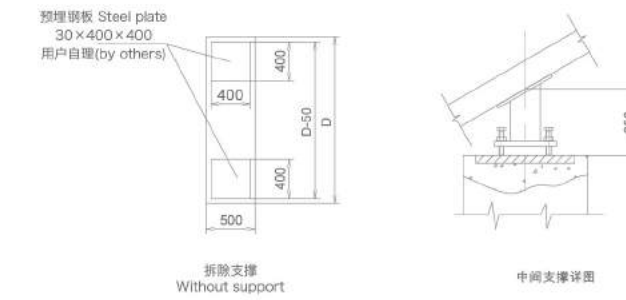


业主和土建承包商应完成的工作:

- 1、本图适用提升高度 $H \leq 20$ 米,允许偏差 $-15\text{mm} \sim +15\text{mm}$ 。
- 2、当水平跨度 $L > 15.3$ 米时需加1中间支撑,位置基本居中。
- 3、安装之前,所有洞必须设有高度不小于1.2米的安全防护围封,并应保证有足够的强度。
- 4、底坑内应防水,排水孔应设在墙角处。
- 5、根据技术参数表中的要求配备电源,电源应设保护的开关且上锁并拉线到机房,电源波动范围不应超过 $\pm 7\%$ 。电源零线和接地线应分开,且接地电阻值不大于 4Ω 。
- 6、当扶手中心线与任何障碍物之间的距离小于 500mm 时,用户需在外盖板上方设立一个无锐利边缘的垂直防撞挡板,高度不应小于 300mm 。
- 7、用户如有特殊要求,需经厂家技术认可,方可签约。
- 8、土建必须满足扶梯或人行通相关使用规范和标准。

THE WORK THAT CUSTOMER AND CONTRACTOR HAVE TO DO:

1. This drawing is fit for the products which rise $H \leq 20\text{m}$, the permitted tolerance is $-15\text{mm} \sim +15\text{mm}$.
2. Before installed, all holes have to be enveloped with the safety guard which height is not less than 1.2m and guarantee the strength is enough.
3. There should be anti water inside pit. The location of plash should be at the basement.
4. According to the requirement of the technology data, the power supply with the safety switch is setting at the machine room. The fluctuation of voltage can not over than $\pm 7\%$. The N wire and earth wire should be separated and the ground resistance is not more than 4Ω .
5. The corresponding parameter about machine should reference SEB.
6. If the customer need the photoelectric VStart, there should be a space for multifunction installed, the distance between the space and the comb crossline is at least 1.3m.
7. If the customer have any special request, should contract after being agreed by the company technology.
8. Constructions should conform with the relevant regulations & codes of the usage of escalators and moving walks.



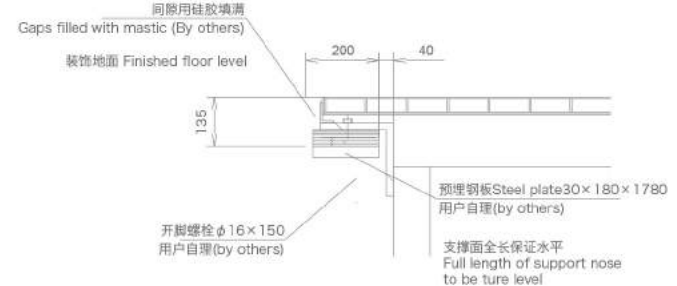
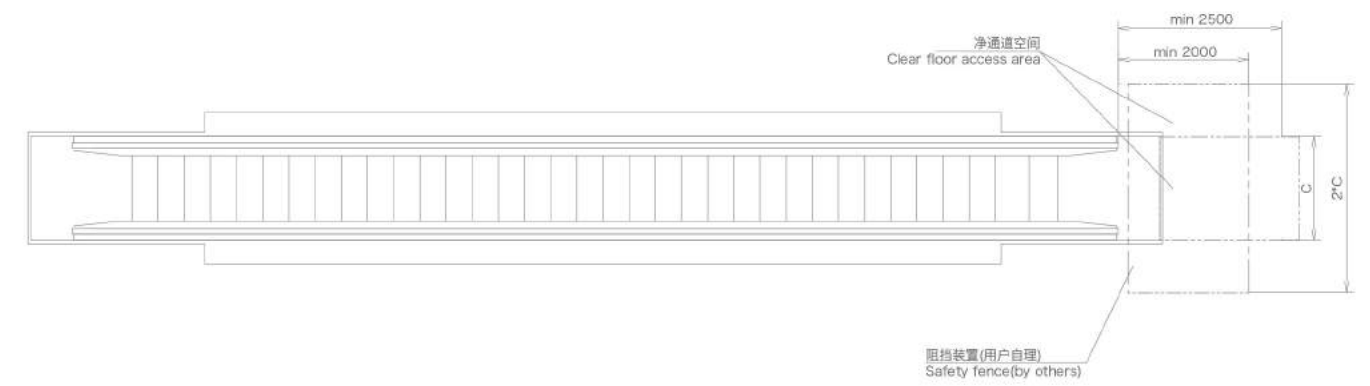
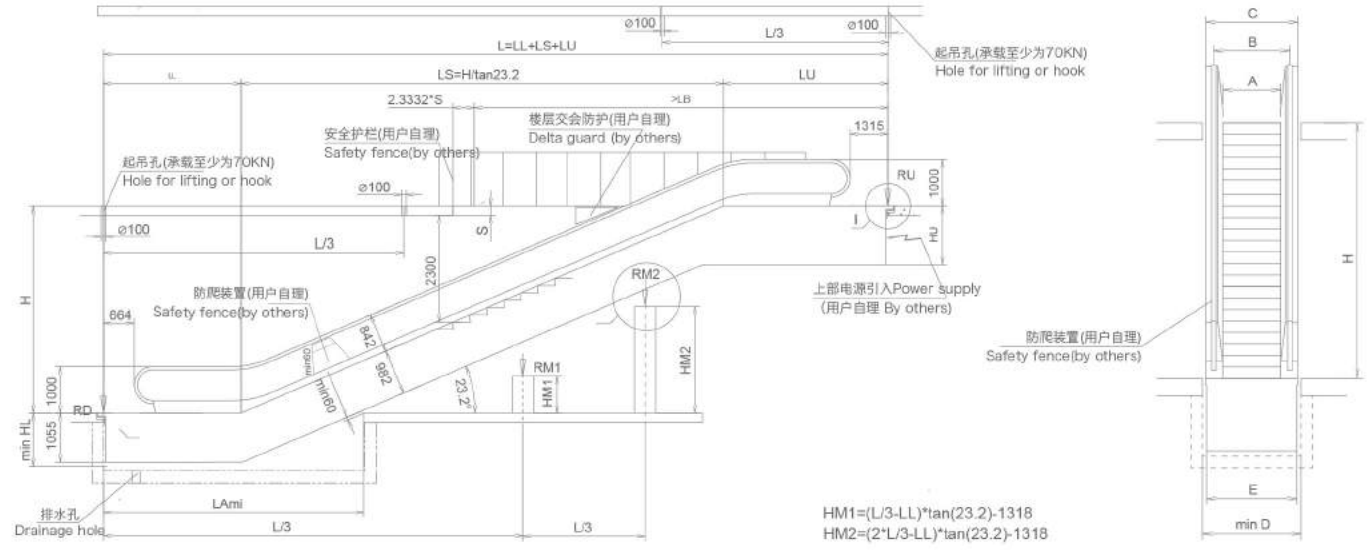
5			6040+DL2	3769+DL2	9305+DL1	4849+DL1	LL+H/tan27.3+LU	梯级类型	1000	800
4	1150	1400	5640+DL2	3369+DL2	8905+DL1	4449+DL1		A	1000	800
3			5240+DL2	2969+DL2	8905+DL1	4049+DL1		B	1282	1082
水平梯级	室内/in door	室外/out door	LA	LL	LB	LU	L	C	1700	1500
	HL							D	1780	1580
								E	1660	1460

6.3*L+7	6.3*L+22	2.4*L+3	2.4*L+23	7.8*L+15	1.67*L+5	1.67*L+11	4.55*L+2	4.55*L+2	标准配置
RD	RU	RD	RU	RM1	RD	RU	RM1	RM2	布置方式
无中间支撑/NO MID.SUPPORT		一个中间支撑/ONE INTERMEDIATE SUPPORT			两个中间支撑/TWO INTERMEDIATE SUPPORTS				ARRANGEMENT
支反力/SUPPORT FORCE(KN)									

* 土建跨距允许缩短, 具体尺寸咨询我司 Span can be shorter, details please contact sales

公交型扶梯(23.2°) - 土建图

LAYOUT DRAWING - PUBLIC ESCALATOR (23.2°)

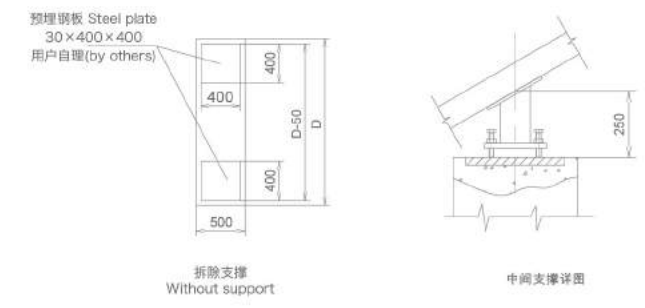


业主和土建承包商应完成的工作:

- 1、本图适用提升高度 $H \leq 20$ 米,允许偏差 $-15\text{mm} \sim +15\text{mm}$ 。
- 2、当水平跨度 $L > 15.3$ 米时需加1中间支撑,位置基本居中。
- 3、安装之前,所有洞必须设有高度不小于1.2米的安全防护围封,并应保证有足够的强度。
- 4、底坑内应防水,排水孔应设在墙角处。
- 5、根据技术参数表中的要求配备电源,电源应设保护的开关且上锁并把线拉至上机房,电源波动范围不应超过 $\pm 7\%$ 。电源零线和接地线应分开,且接地电阻值不大于 4Ω 。
- 6、当扶手中心线与任何障碍物之间的距离小于 500mm 时,用户需在外盖板上方设立一个无锐利边缘的垂直防撞挡板,高度不应小于 300mm 。
- 7、用户如有特殊要求,需经厂家技术认可,方可签约。
- 8、土建必须满足扶梯或人行通相关使用规范和标准。

THE WORK THAT CUSTOMER AND CONTRACTOR HAVE TO DO:

1. This drawing is fit for the products which rise $H \leq 20\text{m}$, the permitted tolerance is $-15\text{mm} \sim +15\text{mm}$.
2. Before installed, all holes have to be enveloped with the safety guard which height is not less than 1.2m and guarantee the strength is enough.
3. There should be anti water inside pit. The location of plash should be at the basement.
4. According to the requirement of the technology data, the power supply with the safety switch is setting at the machine room. The fluctuation of voltage can not over than $\pm 7\%$. The N wire and earth wire should be separated and the ground resistance is not more than 4Ω .
5. The corresponding parameter about machine should reference SEB.
6. If the customer need the photoelectric VFstart, there should be a space for multifunction installed, the distance between the space and the comb crossline is at least 1.3m.
7. If the customer have any special request, should contract after being agreed by the company technology.
8. Constructions should conform with the relevant regulations & codes of the usage of escalators and moving walks.



5			6415+DL2	3769+DL2	10215+DL1	4849+DL1	LL+H/tan23.2+LU
4	1150	1400	6015+DL2	3369+DL2	9815+DL1	4449+DL1	
3			5815+DL2	2969+DL2	9415+DL1	4049+DL1	
水平梯级	室内/in door	室外/out door	LA	LL	LB	LU	L
	HL						

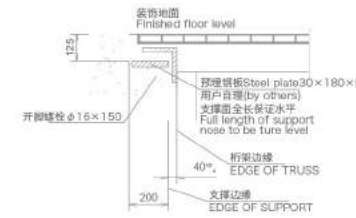
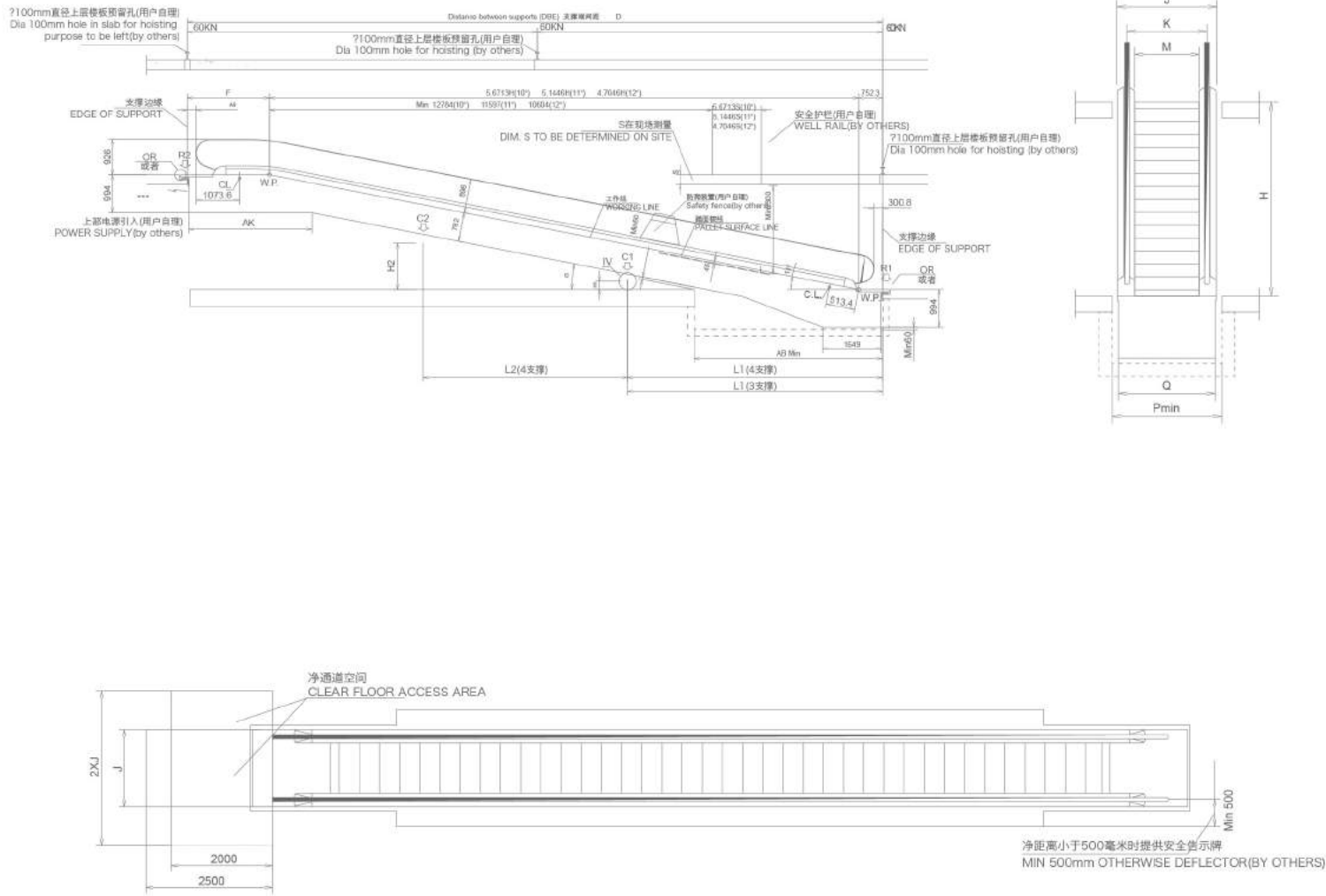
梯级类型	1000	800
A	1000	800
B	1282	1082
C	1700	1500
D	1780	1580
E	1660	1460

6.3*L+7	6.3*L+22	2.4*L+3	2.4*L+23	7.8*L+15	1.67*L+5	1.67*L+11	4.55*L+2	4.55*L+2	标准配置
RD	RU	RD	RU	RM1	RD	RU	RM1	RM2	布置方式
无中间支撑/NO MID.SUPPORT		一个中间支撑/ONE INTERMEDIATE SUPPORT			两个中间支撑/TWO INTERMEDIATE SUPPORTS				ARRANGEMENT
支反力/SUPPORT FORCE(KN)									

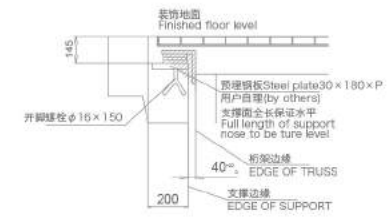
* 土建跨距允许缩短, 具体尺寸咨询我司 Span can be shorter, details please contact sales

自动人行道(10~12°) - 土建图

LAYOUT DRAWING - TRVELATOR (10~12°)



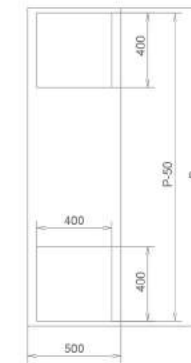
细节 I DETAIL I
标准支撑图 (STANDARD SUPPORT)



细节 II DETAIL II
带防震橡胶垫时支撑图 (ARRANGEMENT WITH ANTI-VIBRATION RUBBER PADS)



细节 IV DETAIL IV



中间支撑详图(俯视图)
Intermediate Support Detail

业主和土建承包商应完成的工作:

1. 本图适用提升高度H≤6米, 允许偏差-15mm~+15mm。
2. 当水平跨度D>15米时需加1中间支撑, 位置基本居中, 当水平跨度D>30米时需加2中间支撑, 位置基本均分。
3. 安装之前, 所有洞必须设有高度不小于1.2米的安全防护围封, 并应保证有足够的强度。
4. 基坑内应防水, 排水孔应设在墙角处。
5. 根据技术参数表中的要求配备电源, 电源应设保护的开关且上锁并把线拉到上机房, 电源波动范围不应超过±7%。电零线和接地线应分开, 且接地电阻值不大于4Ω。
6. 当扶手中心线与任何障碍物之间的距离小于500mm时, 用户需在外盖板上方设立一个无锐利边缘的垂直防撞挡板, 高度不应小于300mm。
7. 用户如有特殊要求, 需经厂家技术认可, 方可签约。
8. 土建必须满足扶梯或自动人行道相关使用规范和标准。

THE WORK THAT CUSTOMER AND CONTRACTOR HAVE TO DO:

1. This drawing is fit for the products which rise H≤6m, the permitted tolerance is -15mm~+15mm.
2. Before installed, all holes have to be enveloped with the safety guard which height is not less than 1.2m and guarantee the strength is enough.
3. There should be anti water inside pit. The location of plash should be at the basement.
4. According to the requirement of the technology data, the power supply with the safety switch is setting at the machine room. The fluctuation of voltage can not over than ±7%. The N wire and earth wire should be separated and the ground resistance is not more than 4 Ω.
5. The corresponding parameter about machine should reference SEB.
6. If the customer need the photoelectricity VFstart, there should be a space for multifunction installed, the distance between the space and the comb crossline is at least 1.3m.
7. If the customer have any special request, should contract after being agreed by the company technology.
8. Constructions should conform with the relevant regulations & codes of the usage of escalators and moving walks.

3.1D+10	3.1D+9.2	1.3D+17	1.3D+9	3.45D+5.2	3.45D+5	1.5D+15	1.5D+6	4
—	5.2D+8.2	1.9D+17	1.9D+8	—	6.1D+4.2	2.2D+14	2.2D+6	3
—	—	4.25D+18	4.25D+8.2	—	—	4.9D+14	4.9D+6.2	2
C2	C1	R2	R1	C2	C1	R2	R1	支撑数量 No. of supports
800			1000				踏板宽度 Pallet width (mm)	
支点反力 Reaction to support in KN (D in m) (1KN=100kg)								

(L1+L2-752.3)x0.2126-1030	(L1-752.3)x0.2126-1030	(L1-752.3)x0.2126-1030	(4.7046H+2937.8) H	304.8	3262	4632.8	2185.8	1300	1430	805	1037	1330	800	12°
(L1+L2-752.3)x0.1944-1027	(L1-752.3)x0.1944-1027	(L1-752.3)x0.1944-1027	(5.1446H+2901.8) H	300.8	3230	5060.3	2149.8	1300	1430	805	1037	1330	800	
(L1+L2-752.3)x0.1763-1024	(L1-752.3)x0.1763-1024	(L1-752.3)x0.1763-1024	(5.6713H+2865.8) H	298.8	3198	5587.8	2113.8	1300	1430	805	1037	1330	800	10°
H2	H1	H1												类型 TYPE
4支撑/4 supports		3支撑/3 supports		D	AR	AK	AB	F	Q	Pmin	M	K	J	
中间支撑梁高度 Height of support														

* 土建跨距允许缩短, 具体尺寸咨询我司 Span can be shorter, details please contact sales