

杭州斯沃德电梯有限公司
HANGZHOU SWORD ELEVATOR CO.,LTD.

地址：浙江省杭州市余杭经济开发区恒毅街169号（311100）
国内销售热线：0571-88048526
出口销售热线：0086-571-56076090
传真：0571-86903368 网址：www.sword-cn.com

ADD: 169 Hengyi Road, Yuhang Economic Development Zone,
Zhejiang Province(311100)
Domestic sales hotline: 0571-88048526
Export sales hotline: 0086-571-56076090
FAX: 0571-86903368 WEB: www.sword-cn.com

 SERVICE LINE
服务热线 /400-826-9998

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2014.09A版

S900E 自动扶梯 ➤ Escalators
S900T 自动人行道 ➤ Travelator



SWORD
HANGZHOU SWORD ELEVATOR CO.,LTD.



SWORD

安全、品质，追求卓越
Safety, quality, and the pursuit of excellence

世界纷繁多变，唯过人智慧，方能突破旧格局
斯沃德，以“精品、精工、精细”的品质理念，
开创空间客流承载新纪元

The world's numerous and varied, only the extraordinary wisdom
in order to break the old pattern
SWORD, in order to "fine, delicate, fine quality of ideas,
To create a space for passenger carrying a new era

To Zoran quality from the strength 卓然品质、源于强大实力

杭州斯沃德电梯有限公司位于杭州市余杭经济开发区恒毅路169号，是中国电梯领域新近崛起的一家大投入、高起点和高品位的电梯制造与服务商。

公司积聚了大量行业精英和专业人士，并长期聘请日本、美国等专家作为技术、制造、设计顾问，以精益制造的国际先进理念和管理，建立“精品、精工、精细”的安全品质体系、致力于打造高端电梯、扶梯、自动人行道产品。

2010年，公司投资5亿元，在余杭经济开发区建造了一个占地160亩，年产50000台电、扶梯产品生产基地，并于2012年2月2日正式投产。

公司已建成一座高度超过120米、具备8m/s电梯试验能力的国内领先电梯试验塔。从而为高速、高档和特种消防电梯的研发和制造奠定了坚实的基础。公司具备国内最高速度7m/s电梯制造资质，以及高达20m的全室外公交扶梯制造测试能力。

杭州斯沃德电梯有限公司产品覆盖小机房、无机房电梯，其中包括低速梯、中速梯、高速梯和家用别墅电梯、观光电梯、医用电梯、汽车梯、以及自动扶梯和自动人行道等。能够满足客户对电梯产品的各种高端需求并提供最佳解决方案。杭州斯沃德产品种类的多样化及设计研发制造能力均已达到行业领先水平。

Hangzhou SWORD elevator co., Ltd. locates in No.169, hengyi road, Yuhang economic development zone, Hangzhou, which is a big investment, high starting point and high grade elevator manufacturer and service provider newly rising in China elevator field.

Company amasses a large number of industry elites and professionals, and long-term engages Japanese, American and other country's experts for technical, manufacture, design consultant, with the international advanced concept and management of lean manufacture, establishes "quality, precision, fine" safety quality system, and seeks to build high-end elevator, escalator, moving walkway products.

In 2010, the company invested 500 million Yuan, has constructed a production base in Yuhang economic development zone, which covers an area of 160 mu, products 50,000 elevators and escalators every year, and put into production on February 2, 2012.

Company has built a leading domestic elevator testing tower, which has a height of more than 120 meters, and 8m/s elevator testing ability, and then to lay a solid foundation for the study and manufacture of high speed, high grade and special fire elevator. Company has an elevator manufacture certification of domestic highest speed 7m/s, and outdoor traffic escalator manufacture testing ability of up to 20m.

Hangzhou SWORD elevator co., Ltd. products cover small machine room and no machine room elevators, including low-speed elevators, medium-speed elevators, high-speed elevators, and villa elevators, room sightseeing elevators, bed elevators, automobile elevators, escalators, and moving walkways. To meet customers' demand for high-end elevator products and provide the best solution, the diversification of Hangzhou SWORD product type and the ability of design, R&D and manufacture have achieved the leading status in the profession.

高效 PERFORMANCE

高效可靠，您的安全首选
Efficient and reliable and safe, it is your first choice



Perfect quality, extraordinary performance

完美品质 性能卓越

自动扶梯、自动人行道一直描绘着建筑中流动的风景。杭州斯沃德电梯有限公司在打造产品时，不仅仅考虑了安全、节能、舒适、安静的传统元素，更是力求与建筑整体的协调与互动，功能上的完备与便捷。也正是因为这样，诸多机场、交通枢纽、大型购物中心等选择了杭州斯沃德电梯的S900E、S900T产品。

Escalators, travelator have been painted the flowing landscape in the buildings. Hangzhou SWORD Elevator Co., Ltd in the building products, not only considers the traditional elements of safety, energy saving, comfort, quiet, but also seeks to coordination and interaction with the building, completeness and convenience of functions. Because of this, many airports, transportation hubs, shopping malls select the S900E, S900T products of Hangzhou SWORD elevator.

安全可靠

符合最新的安全标准，安全开关遍布整体的各个关键部件，对运行状态实时监控。

方便维修

采用了故障自诊断显示装置，快速找到故障原因与部位，减少因故障停机时间。

驱动力强劲

强劲、可靠的驱动主机能满足短时间的过载。

多环境适应性

适合室内室外两种环境，适合50Hz，60Hz两种频率，多种电压下运行。

Safe and Reliable

Meet the latest safety standards, safety switch spreads all over the key parts, real time monitoring the running condition.

Easy to Maintain

Use the fault self-diagnostic indication device; quickly find the cause and part of the faults, and reduce the downtime.

Strong Driving Force

The strong, reliable driving host can meet the short-time overload.

Excessive Environmental Adaptability

It's suitable for indoor and outdoor environments, suitable for 50Hz and 60Hz two frequencies, and running under a variety of voltages.



精致 DELICATE
精致部件，完美的艺术体现
Delicate parts, perfectly embodies the art

Dedicated Host Driven System

专用主机驱动系统

自动扶梯、自动人行道的主机在原有优势的基础上进行了技术上的改良，并且经过不断的调教和测试，使驱动力更强劲、运行更平稳，制动更及时、灵敏。

The host of escalators, travelator has technical improvement on the basis of original advantage, and through continuous tuning and testing, make the driving stronger, running more smooth and braking more timely, sensitive.



Precision, Energy-saving Control System

精准、节能控制系统

控制系统采用先进技术、微控系统，功能齐全、反应速度快，满足客户各种需求。控制柜位于桁架上端部，能全面监控运行状态，及时消除运行隐患，减少维护时间。

Control system adopts a microcomputer system with advanced technology and improved functionalities, the function is complete, the reaction speed is fast, to meet different kinds of needs of customers. Control cabinet is located in top of the shelves, full monitoring the running state, timely eliminating the running hidden troubles, reducing the maintenance time.



Truss

桁架

桁架由矩形方管材料焊接而成，带密封焊接底板确保水和油等污渍不会从底板渗漏。具有坚固的稳定性和承载能力，可有效延长扶梯使用寿命。

Truss is welded of rectangular tube materials; with seal welded bed plate to ensure that water and oil stain will not leak from the bed plate. With hard stability and bearing capacity, it can effectively extend the life of escalators.



Step Board

梯级踏板

不锈钢踏板表面喷黑色电泳漆，质地硬、防氧化、易维护。并刻上防滑花纹，两边嵌有黄色警示条。

The surface of stainless steel pallets sprays the black electrophoretic paint, hard texture, oxidation resistance, easy maintenance. Engrave antiskid patterns, embed with a yellow warning on both sides.

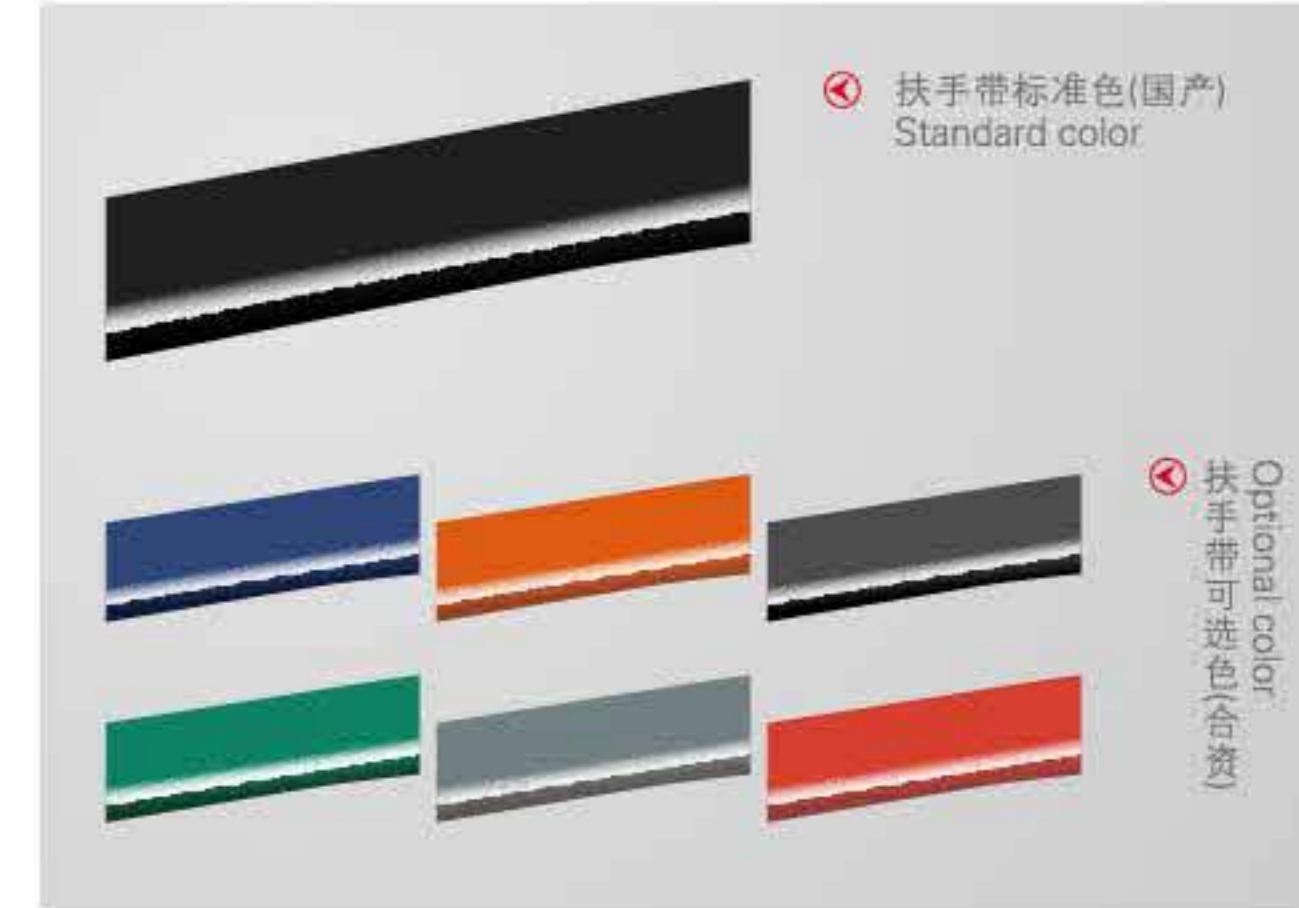


Ladder system

梯路装置

采用镀锌轨道、高强度耐磨性良好的聚氨酯滚轮和高强度板式链，使产品具有抗腐蚀能力，使用寿命延长。

Adopting galvanized steel rail, high strength and good wear resistance polyurethane roller and high strength plate chain, offering products the ability of resistance to corrsion and making life longer.



Handrail

扶手带

多款专业设计、时尚耐用的扶手带可以根据不同的环境灵活选配。

A variety of professional design, stylish and durable handrail can be flexibly selected according to different environment.



Shoe Brake

闸瓦式制动器

闸瓦式制动器置于电机和齿轮箱之间，具有可靠和易调节的特性，可以保证平滑的制动性能及安全的制动距离。

Shoe brake is placed between the motor and gear box, with the reliable and easily regulative characteristic, can guarantee a smooth braking performance and (security) braking distance.

Automatic Lubrication

自动润滑

采用微机控制的自动润滑系统，无需专职人员加油，更能保证加油量的适量控制。

Use computer-controlled automatic lubrication system, don't need full-time staff refuel, and ensure to control a moderate amount of the fuel.



绿色GREEN

绿色的节能系统，实现利润最大化

Green energy-saving system to maximize profits

Intelligent Variable Speed Energy Saving Mode (optional)

智能可变速节能模式（可选）

智能可变速自动扶梯及人行道节能模式积极响应国家绿色低碳的产业政策，拥有本公司完全的自主知识产权，并申请国家专利。智能可变速模式，为您提供了一种经济节能的运行方式。该模式较传统的变频节能运行模式，平均节能效率增加20%左右。智能可变频模式将最终实现用户利益最大化，最大程度上提高了用户的投资回报率。

智能可变速模式的实现通过智能调节扶梯运行速度来达到节能的目的。通过传感器对运行的扶梯及人行道上的人流量进行实时监控，当检测到扶梯及人行道轻载运行时，扶梯及人行道以较低速度运行,以达到节能目的，相比较正常的速度可以节能20%左右，同时降低扶梯及人行道的机械磨损率。若传感器检测到扶梯及人行道重载运行时，则自动恢复正常的速度运行以达到快速运送乘客的目的。若传感器检测到扶梯及人行道空载运行时，则以更低的速度运行或者智能停梯，从而达到全面节能的目的。

Intelligent variable-speed escalators and travelator energy-saving mode responds positively to the industrial policies of national green low-carbon, with completely independent intellectual property rights of the company, and applications for national patents. Intelligent variable-speed mode provides you with an economical and energy-saving operation mode. This mode compares to traditional frequency conversion energy-saving operation mode, average energy-saving efficiency increases about 20%. Intelligent variable frequency mode will finally realize to maximize the benefits of users, extremely improve the user's return on investment.

The energy-saving of intelligent variable-speed mode is realized by intelligent regulating escalator running speed. The sensor monitors in real time the flow of people of running escalator and travelator, and when it detects the light load running of an escalator and travelator, the escalator and travelator runs at lower speed, for the purpose of energy-saving, compares to normal speed it can save energy around 20%, while reducing the mechanical wear rate of escalator and travelator. If the sensor detects the heavy load running of an escalator and travelator, it can automatically return to normal speed to achieve the purpose of quickly transporting passengers. If the sensor detects the non-load running of an escalator and travelator, it runs at a lower speed or an intelligent stop, to achieve the purpose of comprehensive energy-saving.

SWORD escalator and travelator can provide three kinds of energy-saving mode

► SWORD扶梯及人行道可提供三种节能样式

变频节能模式 智能自启动运行模式 智能可变频模式

多方式实现节能效果，为您提供贴心的选择

- Frequency conversion energy-saving mode 智能自启动运行模式 Intelligent variable frequency mode
- Achieve the energy-saving effect, gives you close choice

节能方法 Energy-saving mode	变频节能（标配） Frequency conversion energy-saving (Standard configuration)	智能自启动（有偿选配） Intelligent self-start (selected by payment)	智能可变速系统（有偿选配） 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

安全 SECURITY

完善的安全系统，让您安心、放心、舒心
Improve system security, peace of mind, rest assured, comfortable

该型扶梯 / 人行道采用了全面的安全防护措施，基本上杜绝了各种意外情况的发生
This type of escalator/travelator adopted the comprehensive safety protective measures, and basically eliminate all sorts of accident happening



安全保护（标准）



Security protection (standards)

- | | |
|-------------|--|
| 梳齿保护装置 | Comb protection device |
| 扶手入口保护装置 | Handrail entrance protection device |
| 梯级断裂保护装置 | Step sunk protection device |
| 梯级链涨紧保护装置 | Protection device for loosen/broken step chain |
| 主机超速保护装置 | Protection device for over-speed of traction machine |
| 主机非操作逆转保护装置 | Non-manipulated reversal protection device of traction machine |
| 风扇罩打开安全开关 | Safety switch for fan cover in open position |
| 接触器保护 | Contact protection |
| 继电器粘连保护 | Relay adhesion protection |
| 变频器故障保护 | Inverter/converter fault protection |
| 断相错相保护装置 | Protection device for phase failure or error |
| 梯级丢失保护 | Detection for open contracting brake |
| 抱闸打开检测 | Skirt panel brush protection |
| 围裙板毛刷保护 | Motor overload & overheat protection |
| 电机过载过热保护 | Water level detecting switch (outdoor type) |
| 水位检测开关（室外梯） | Measurement for handrail speed (outdoor type) |
| 扶手测速（室外梯） | Safety switch for broken drive-chain |
| 驱动链断链安全开关 | Front plate opening protection |
| 前沿板打开保护 | |

安全保护（可选）



Security protected (Optional)

- | | |
|--------------|--|
| 扶手断带保护装置 | Protection for broken handrail |
| 围裙板保护安全开关 | Apron protection safety switch |
| 闸瓦磨损检测 | Detection for over-worn brake shoe |
| 附加制动器（>6m标配） | Additional brake（>6m standard specification） |
| 油位报警开关 | Oil level alarm switch |
| 梯级照明 | Step lighting |
| 梳齿照明 | Comb lighting |

Basic function

基本功能

选择运行方向 Select the Running Direction	自动扶梯、自动人行道入口处操纵盒内有一个钥匙开关控制，面板上有“  ”标记方便操作。用随梯的专用钥匙即可根据需要选择运行方向。 The entrance of escalators and moving walk operating box has a key switch control, the panel has “  ” mark which is easy to operate. With the dedicated key following the escalator you can select the running direction as required.
启动前示警 Warning before Startup	检修操作不示警，正常启动前示意警，先电铃响3秒钟，然后Y型启动，3秒后，△型正常运行，铃声消失。启动前后如有异常情况，可以按操纵面板的急停按钮，终止启动。 Inspection operation is without warning, warning before the normal startup, the bell rings for 3 seconds, and then type Y starts, after 3 seconds, type △ normally operates, the ring disappears. Before and after the startup if there are unusual circumstances, you can press the emergency stop button of operating panel, to put an end to start.
自动润滑 Automatic Lubrication	采用微机控制的自动润滑系统，无需专职人员加油，更能保证加油量的适量控制。 Use computer-controlled automatic lubrication system, don't need full-time staff refuel, and ensure to control a moderate amount of the fuel.
自动故障显示 Automatic Fault Display	对整机的运行状态保持不断的监控，当出现故障时及时将故障位置显示在数码管上，使维修人员能够立即找到故障部位，方便了维修，减少了因故障停机的时间。 Maintain a constant monitoring of machine running condition, when there is a fault, it displays the fault location timely on the nixie tube, allows service personnel to find fault immediately and easy to maintain, reduces the downtime.
检修点动 Inspection Inching	为了方便自动扶梯、自动人行道的维护和维修，自动扶梯、自动人行道设有检修点动功能。把检修插头插入到上下机房的任何一个检修插座上，自动扶梯、自动人行道即进入检修状态。自动扶梯、自动人行道在检修状态下所有的安全开关与正常运行时一样起作用。 In order to easy to maintain and repair the escalator, travelator, the escalator and travelator has the function of inspection inching. Insert the inspection plug into the any of inspection outlet of upper and under machine room, the escalator, travelator then goes into an inspection condition. All safety switches of escalator, travelator function the same as normal operation in an inspection condition.
主机速度检测 Host Speed Testing	为保证乘客的安全，当自动扶梯、自动人行道运行速度超过额定速度的20%时，自动扶梯、自动人行道将自动停止运行，且需专业人员处理后才能启动运行。 In order to ensure the safety of passengers, when the running speed of escalator, travelator is 20% faster than the rated speed, the escalator, travelator will automatically stop operating, and start running after professional disposes.
电机保护功能 Motor Protection Function	为保证设备的安全，自动扶梯、自动人行道还有电机过热保护，断相保护等功能。 In order to guarantee the safety of equipment, the escalator, travelator has the function of motor overheating protection, phase failure protection, etc.
变频功能 Frequency Conversion Function	选用专用变频器控制自动扶梯、自动人行道运行，在无人时采用0.2m/s的低速状态运行；当入口处的红外线装置检测到有人进入自动扶梯、自动人行道前沿踏板区域时，自动扶梯、自动人行道以0.5m/s的正常状态运行，节能可达40%—60%，并减小峰值电流50%—80%，使机械磨损减少。 Select the dedicated inverter to control the escalator, travelator's running, run in the low-speed condition of 0.2m/s without people; When the infrared device of the entrance detect a person walk into the front pallets area of escalator, travelator, the escalator, travelator runs in the normal condition of 0.5m/s, energy saving can reach to 40%—60%, and reduces the peak current 50%—80%, to make the mechanical wear reduced.
围裙板刷(仅限国内) Skirt Panel Brush (Only Domestic)	安装于围裙板的两侧，避免鞋子、鞋带摩擦或卷入围裙板，提高安全性。 Install on the both sides of skirt panel, avoid the shoes, shoelaces to scuff or involve in the skirt panel, improve the security.

Optional function

可选功能

运行方向指示灯 Running Direction Indicator Lamp	在入口处配备豪华的运行方向指示灯，使自动扶梯、自动人行道更显典雅高贵。 It is equipped with luxurious running direction indicator lamp at the entrance, make the escalator, travelator more elegant and noblest.
围裙照明 Skirt Lighting	安装于围裙板两侧，沿扶梯的流线线条高亮度照明不仅能提高安全性，更能提升建筑内环境的高雅气质。 Install on the both sides of skirt panel, streamlined line high brightness lighting along the escalator will not only improve the security, but also enhance the elegant temperament of building inside environment.
扶手照明 Balustrade Lighting	安装于扶手支架内，能吸引乘客更稳得手握扶手带，与围裙板照明一样，能为建筑内环境增添气质。 Install inside the balustrade bracket, can attract passengers more stable holding the handrail, like the skirt panel lighting, can enhance the temperament of building inside environment.
斜扶手 Oblique Balustrade	主要使用与客流量大、承重压力大的交通枢纽等场所，能最大限度的扩展乘梯的空间和舒适度，同时提高了乘客的安全性。 Mainly apply to the transportation hubs of large people flow and load bearing pressure and other places, can maximally extend the space and comfort of the escalator, while improve the security of passengers.
梯级警示灯 Step Warning Light	顶部和底部的梯级踏板下装有梯级警示灯，可以让乘客识别梯级的错开与平层状态，提高乘梯的安全性。 The top and bottom of step pallets is equipped with the warning light, it can make the passengers distinguish the stagger and leveling condition of step, improve the security of escalator.

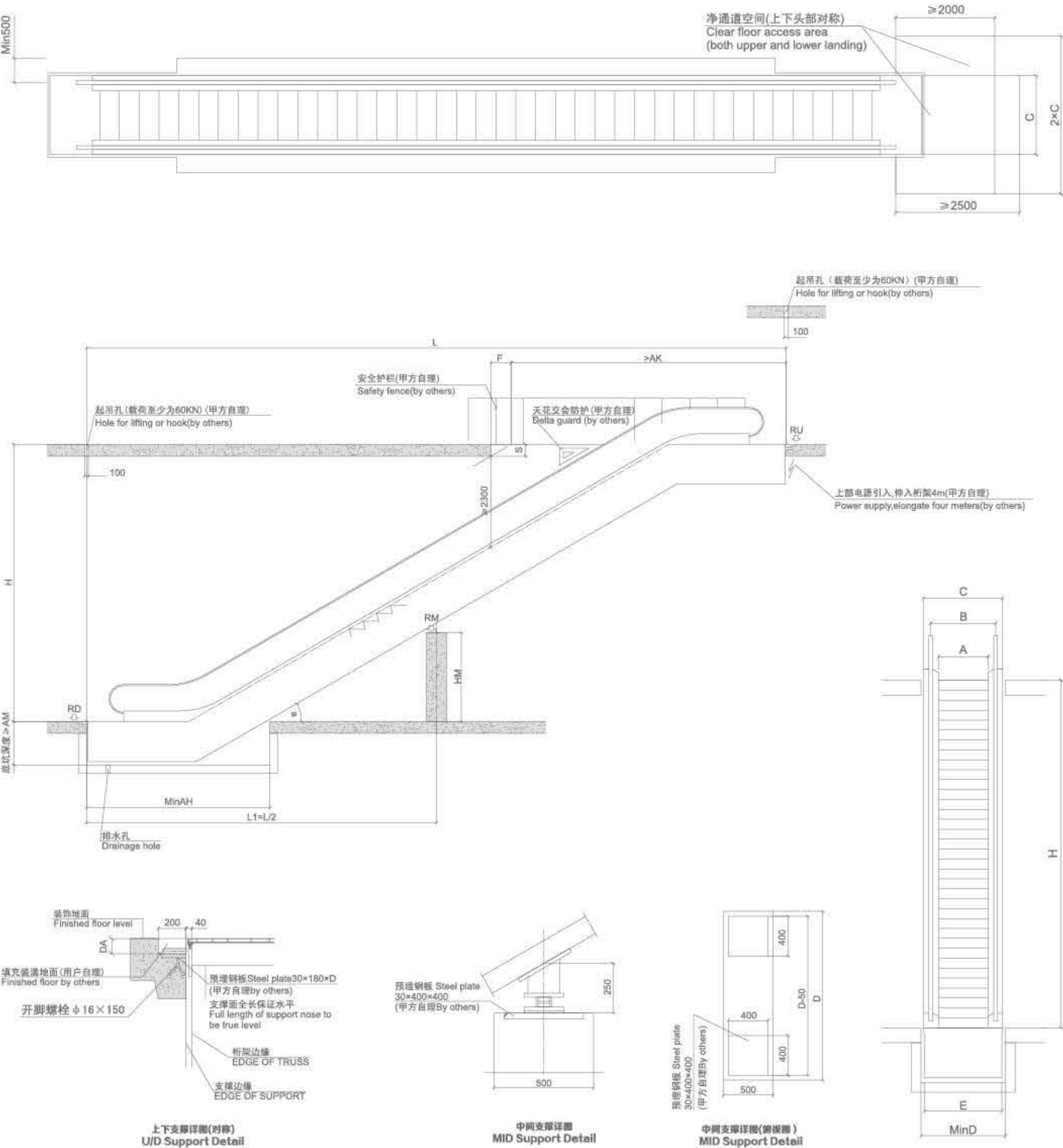


Escalator layout

扶梯土建图

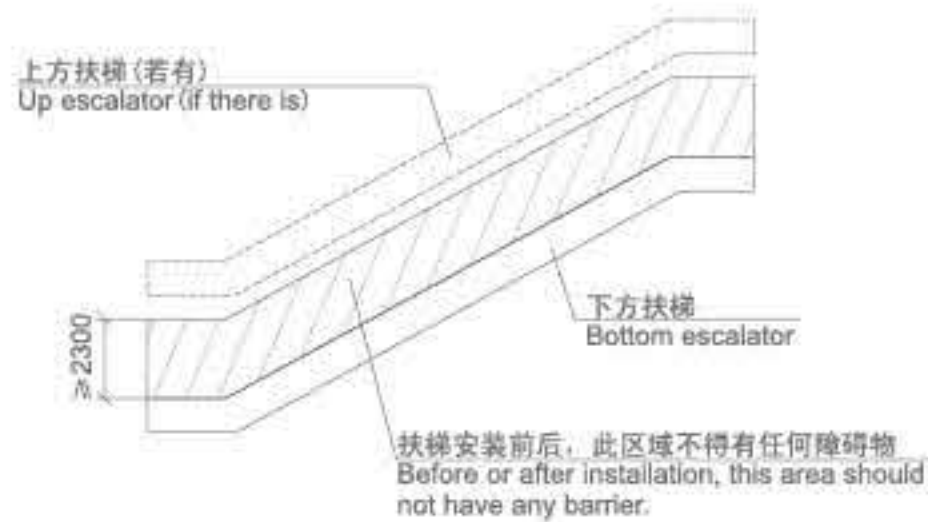
Done by owner or builder

业主和土建承包商应完成的工作



- ① 本图适用提升高度3米≤H≤8米，允许偏差±15mm；水平跨度L允许偏差0~+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 扶梯安装之前，所有洞必须设有高度不小于1.2米的安全防护围栏，并应保证有足够的强度。
- ④ 扶梯安装之后，甲方应考虑在扶梯周边建筑物上设置护栏等安全防护。
- ⑤ 底坑内应防水，积水坑应设在墙角处。
- ⑥ 底坑排水孔需与排水系统连接，甲方自理。
- ⑦ 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%。电源零线和接地线应分开，且接地电阻值不大于4Ω。
- ⑧ 采用10平方毫米多股软线作为电源进入电缆，甲方自理。
- ⑨ 当扶手中心线于任何障碍物之间的距离小于500mm时，甲方需要再扶梯外盖板上方设立一个无锐利边缘的防撞挡板，高度不应小于300mm。
- ⑩ 甲方如有特殊要求，需经厂家技术认可，方可签约。

- ① This drawing is fit for the products with rise 3m≤H≤8m,the permitted tolerance for rise is -15mm~+15mm;The permitted tolerance for level length is 0~+15mm.
- ② When the level length L> 15.3m, the intermediate support base is needed.
- ③ Before installation, all holes have to be enclosed with the safety guard which height is not less than 1.2m and guarantee the strength is enough.
- ④ After finish installation, the owner should consider to set safety guard rail around the escalator.
- ⑤ The pit should be water-proof, and the location of splash should be set at the corner.
- ⑥ The pit drain hole should be connected with the drainage system, the work should be done by others.
- ⑦ According to the requirement of the technical data, the power supply with safety switch is set at the machine room.The fluctuation of voltage should not more than ±7%. The zero line and ground line should be seperated and the ground resistance is not more than 4 Ω.
- ⑧ Use 10mm² soft line as the power input cable, done by others.
- ⑨ When the space between handrail center line and other barrier is less than 500mm, a guard plate without sharp edge should be set above outer deck plate, and the height should not less than 300mm.
- ⑩ If there is any special requirement,the contract should be made after approved by the company technical department



注意：当两台扶梯上下布置时，下方扶梯工作区域上方需要保证不小于2300mm净空要求，如左图中阴影部分所示。如有疑问，请联系斯沃德电梯工程中心。

Note: If the escalator is up and bottom arrangement, it is required to have 2300mm clear space above the bottom escalator. Refer to the dash area in the left. Any questions, pls contact SWORD technical department.

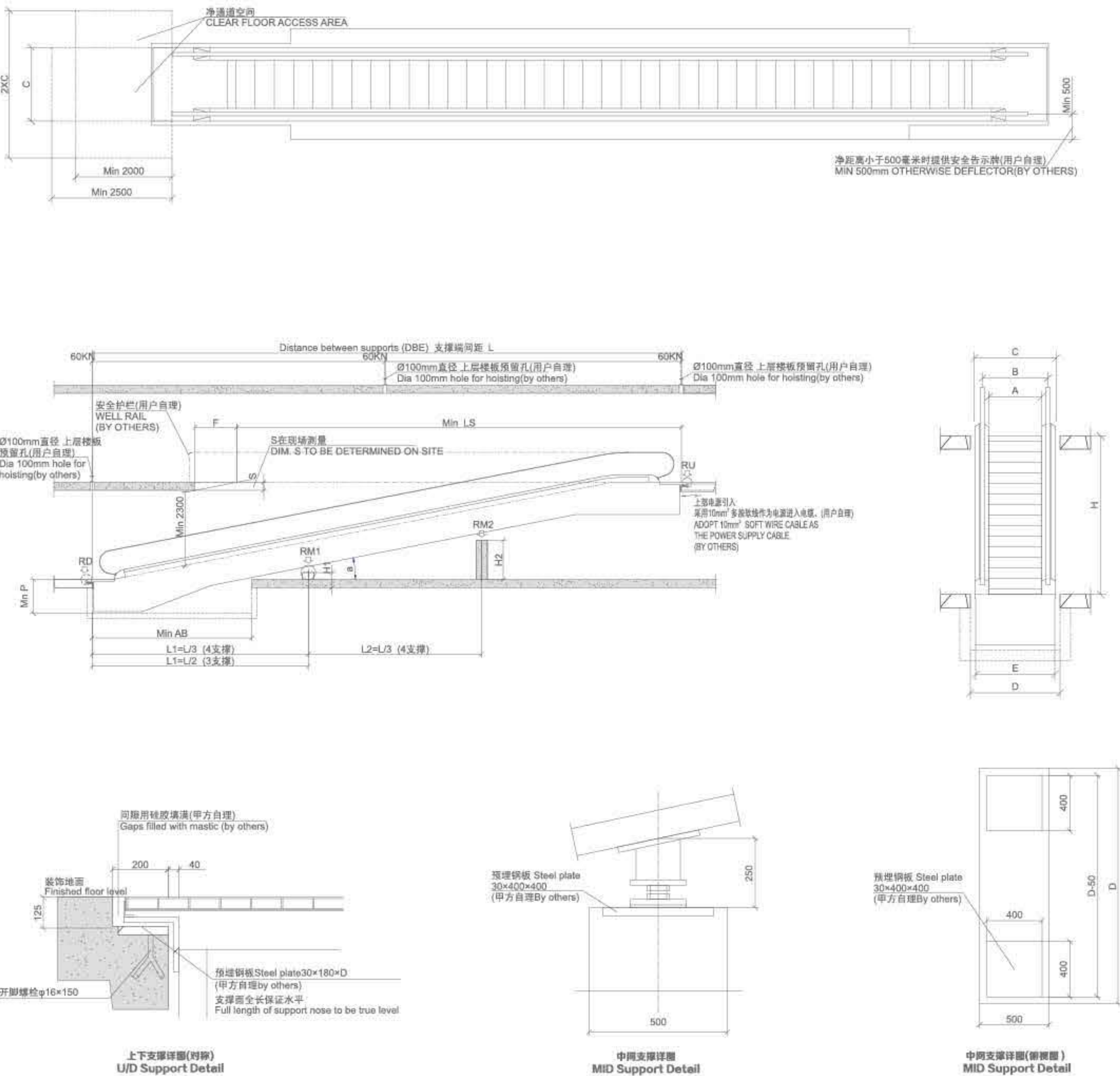
倾斜角度α Angle	速度(m/s) Speed	提升高度H (mm) Rise	水平梯段 Flat steps	梯级宽度A (mm) Step Width	水平跨度L(mm) Span	其他尺寸(mm)								支反力(KN)			底坑深度AM(mm)	DA(mm)
						AH	AK	B	C	D	E	F	RU	RD	RM			
35°	0.5	3000≤H≤6000	2	600	1.428H+5405	4080	6450	837	1130	1240	1100	1.428S	3.76L+18	3.76L+12	室内、室外A包标配 For Indoor, Outdoor model A	1103	标配不含减震垫 Without Shock absorbing rubber	108
				800	1.428H+4905		5950	1037	1330	1440	1300		4.41L+15	4.41L+9				
				1000				1237	1530	1640	1500		5.11L+13	5.11L+5				
				800	1.732H+5565		4640	6950	1037	1330	1440		1300	2.02L+13.2				
30°	0.5	6000<H≤8000	3	800	1.732H+5265	4240	7050	837	1130	1240	1100	1.732S	2.3L+13.6	2.3L+7.1	室外B包加配油水分离器 For Outdoor model B with Oil separator	1353	加配减震垫 With Shock absorbing rubber	128
				1000	1.732H+4765		6550	1037	1330	1440	1300		3.66L+27	3.66L+22				
				800				1237	1530	1640	1500		4.31L+18	4.31L+10				
				1000				1237	1530	1640	1500		4.96L+17	4.96L+10				

NOTE:DO NOT SCALE THIS DRAWING,UNLESS OTHERWISE STATED.注:此图不按比例,除非另有规定.

Travelator layout

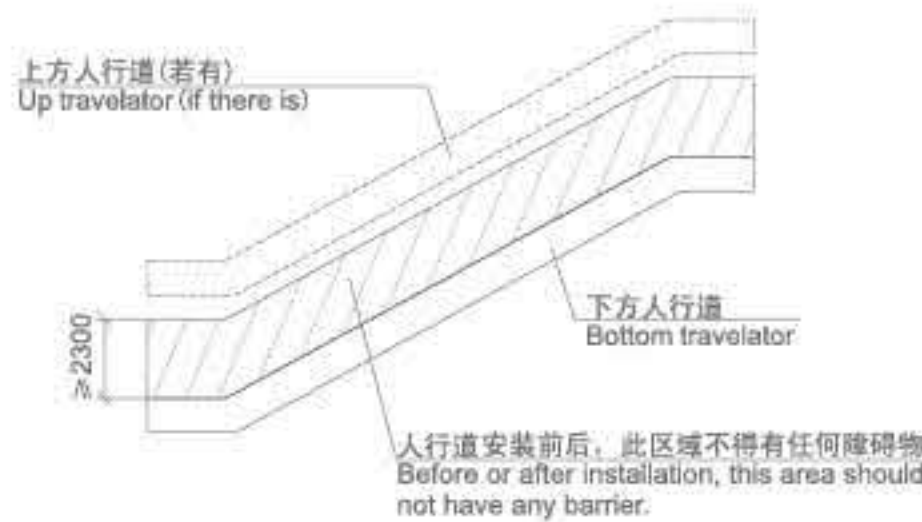
人行道土建图

Done by owner or builder
业主和土建承包商应完成的工作



- ① 本图适用提升高度1.5米≤H≤6米,允许偏差±15mm; 水平跨度L允许偏差0~+15mm。
- ② 档水平跨度L>13米时,需加1中间支撑,位置居中。
- ③ 扶梯安装之前,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 扶梯安装之后,甲方应考虑在扶梯周边建筑物上设置护栏等安全防护。
- ⑤ 底坑内应防水,积水坑应设在墙角处。
- ⑥ 底坑排水孔需与排水系统连接,甲方自理。
- ⑦ 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%。电源零线和接地线应分开,且接地电阻值不大于4Ω。
- ⑧ 采用10平方毫米多股软线作为电源进入电缆,甲方自理。
- ⑨ 当扶手中心线于任何障碍物之间的距离小于500mm时,甲方需要再扶梯外盖板上方设立一个无锐利边缘的防撞挡板,高度不应小于300mm。
- ⑩ 甲方如有特殊要求,需经厂家技术认可,方可签约。

- ① This drawing is fit for the products with rise 1.5m≤H≤6m,the permitted tolerance for rise is -15mm~+15mm;The permitted tolerance for level length is 0~+15mm.
- ② When the level length L> 13 m, the intermediate support base is needed.
- ③ Before installation, all holes have to be enclosed with the safety guard which height is not less than 1.2m and guarantee the strength is enough.
- ④ After finish installation, the owner should consider to set safety guard rail around the escalator.
- ⑤ The pit should be water-proof, and the location of splash should be set at the corner.
- ⑥ The pit drain hole should be connected with the drainage system, the work should be done by others.
- ⑦ According to the requirement of the technical data, the power supply with safety switch is set at the machine room.The fluctuation of voltage should not more than ±7%. The zero line and ground line should be separated and the ground resistance is not more than 4 Ω.
- ⑧ Use 10mm² soft line as the power input cable, done by others.
- ⑨ When the space between handrail center line and other barrier is less than 500mm, a guard plate without sharp edge should be set above outer deck plate, and the height should not less than 300mm.
- ⑩ If there is any special requirement,the contract should be made after approved by the company technical department



注意: 当两台扶梯上下布置时,下方扶梯工作区域上方需要保证不小于2300mm净空要求,如左图中阴影部分所示。如有疑问,请联系斯沃德电梯工程中心。

Note: If the escalator is up and bottom arrangement, it is required to have 2300mm clear space above the bottom escalator. Refer to the dash area in the left. Any questions, pls contact SWORD technical department.

倾斜角度α Angle	速度V(m/s) Speed	提升高度H(mm) Rise	梯级宽度 A(mm) Step Width	水平跨度L(mm) Span	其他尺寸(mm)								支点反力(KN)									
					AB	LS	F	B	C	D	E	P	梯级宽度 (mm)	1000				800				
10°	0.5	1500≤H≤6000	800	5.6713H+2866	5600	14898	5.6713S	1037	1330	1430	1300	1054	1054	2	4.9L+6.2	4.9L+14	4.25L+8.2	4.25L+18	1.9L+8	1.9L+17	5.2L+8.2	3.1L+10
			1000					1237	1530	1630	1500											
11°			800	5.1446H+2902	5060	13747	5.1446S	1037	1330	1430	1300	1054	1054	2	4.9L+6.2	4.9L+14	4.25L+8.2	4.25L+18	1.9L+8	1.9L+17	5.2L+8.2	3.1L+10
			1000					1237	1530	1630	1500											
12°			800	4.7046H+2938	4650	12790	4.7046S	1037	1330	1430	1300	1054	1054	2	4.9L+6.2	4.9L+14	4.25L+8.2	4.25L+18	1.9L+8	1.9L+17	5.2L+8.2	3.1L+10
			1000					1237	1530	1630	1500											

NOTE:DO NOT SCALE THIS DRAWING,UNLESS OTHERWISE STATED.注:此图不按比例,除非另有规定。