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LIAO ELEVATOR 既有住宅加装电梯

INSTALLING ELEVATOR IN EXISTING RESIDENTIAL



苏州菱奥电梯有限公司
SUZHOU LINGAO ELEVATOR CO.,LTD.



企业简介 Corporate profile

菱奥电梯有限公司是一家集研发、生产、销售及工程设计安装、售后服务于一体的专业电梯制造企业。公司可以满足顾客多样化需求产品，产品覆盖：小机房乘客电梯、无机房乘客电梯、观光电梯、病床电梯、别墅电梯、载货电梯及自动扶梯、自动人行道等系列产品，公司是一个集电梯研发，制造，销售，安装维修服务于一体的专业化电梯企业。完全可以近距离提供LIAO电梯全球统一标准的产品。

菱奥企业以不懈的技术创新，诠释质量与安全的内涵，本着求实创新的精神提供优质的产品，始终坚持“完善的服务网络，真诚的服务态度、快捷的服务流程”作为对客户永久的承诺。面向未来，我们信心满怀！LIAO品牌电梯也必将为您的建筑增光添彩！

LIAO Elevator Co., Ltd. is a production, sales and engineering design, installation and aftersales service in one of the professional elevator manufacturer. Company to meet the diverse needs of customers products, covering: Small machine room passenger elevator, Machine roomless passenger elevator, Panorama elevator, Hospital elevator, Villa elevator, Freight elevator and Escalator, Moving-walk and other products, the company is a collection of R&D Elevator manufacturing, sales, installation and maintenance services in the integration of specialized elevator companies. Can provide LIAO elevator close global standard products.

LIAO enterprise relentless technological innovation, the interpretation of quality and safety, in line with spirit of innovation to provide quality products, and always adhere to the "perfect service network, sincere service attitude, fast service process" as a permanent customer commitment. Facing the future, we are full of confidence! LIAO brand elevator will also add luster to your building!



经营理念 | Business philosophy

品质优良、服务精细、合作共赢、客户满意。

Good quality, fine service, win-win cooperation and customer satisfaction.

企业使命 | Our Mission

为城市生活提供完善的楼宇客流体验。

Provide a complete building passenger flow experience for city life.

核心价值观 | Core value

敬业、诚信、创新、高效、奉献、宽容。

Dedication, integrity, innovation, efficiency, dedication, tolerance.

企业资质荣誉

Enterprise qualification honor

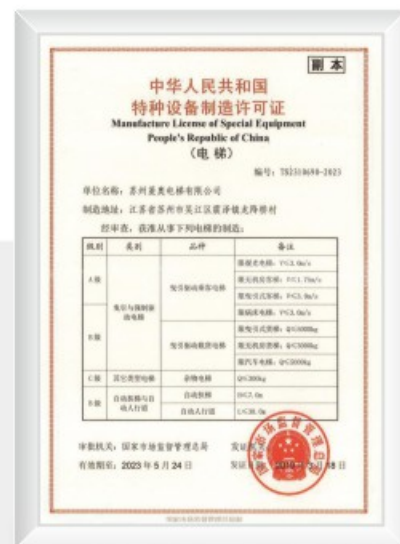


1. 营业执照
2. 特种设备制造许可证
3. 质量管理体系认证
4. 职业健康安全管理体系认证
5. 环境管理体系认证
6. 节能绿色环保推广产品证书
7. 中国科技创新优秀企业证书
8. 中国著名品牌荣誉证书
9. 质量荣誉证书
10. 全国AAA级信用单位荣誉证书

1. Business License
2. Special equipment manufacturing license
3. Quality management system certification
4. Occupational health and safety management system certification
5. Environmental management system certification
6. Energy-saving green environmental protection promotion product certificate
7. Certificate of Outstanding Enterprise of Chinese Science and Technology Innovation
8. Honorary certificate of famous Chinese brand
9. Quality Honor Certificate
10. National AAA-level credit unit honor certificate



①



②



③



④



⑤



⑥



⑦



⑧



⑨



⑩

经典工程案例

Classic engineering case

1. 山西仁怀
2. 山西朔州
3. 海南海口
4. 常州市孟河
5. 广西河池
6. 广元曾家山
7. 海南临高
8. 江西萍乡
9. 山西吕梁
10. 永城王集

1. Shanxi Renhuai
2. Shuozhou, Shanxi
3. Haikou, Hainan
4. Changzhou Menghe
5. Guangxi Hechi
6. Guangyuan Zengjiashan
7. Hainan Lingao
8. Jiangxi Pingxiang
9. Shanxi Luliang
10. Yongcheng King Collection



加装电梯 Install elevator

占地面积小

施工时间短

按需设计外包造型

结构稳固可靠

方便老弱人群使用

入户方案灵活多样

既有建筑 快装式钢结构电梯

Existing building quick-mounted steel structure elevator

定制化设计 绘就精彩生活

Customized design paints a wonderful life

玻璃结构

井道框架采用坚固的钢结构，四面设置高强度钢化夹胶玻璃，安全可靠，杜绝玻璃破碎引起的危险，外形美观，且不影响采光，用户在上下之中尽情享受电梯外景色。

Glass structure

The shaft frame adopts strong steel structure, high strength toughened glass-clamped glass is set on all sides, it is safe and reliable, prevents the danger caused by the broken glass, has beautiful appearance, and does not affect the daylighting, so the user can enjoy the color of the elevator exterior scene as much as he can up and down.



铝塑板结构

加工性能优异，施工便捷，井道有超耐候性，无论在炎热或严寒气候中均无损于外观，长达20年不褪色，色彩多样，可满足客户个性化需求，彰显建筑的优雅与大气。

Aluminium plastic plate structure

Excellent processing performance, convenient construction, super weather resistance of the hoistway, no damage to appearance in hot or cold climates, no fading in 20 years and various colors, can meet the personalized requirements of customers and highlight the elegance and the atmosphere of the building.



彩钢板结构

重量轻，拼接式安装灵活便捷，大大缩短施工周期，有效降低成本，具有良好的保温隔热效果，使轿厢内保持舒适的环境温度，外光色泽鲜艳，使用寿命长。

Colored steel plate structure

The utility model has the advantages of light weight, flexible and convenient splicing installation, greatly shortening the construction period, effectively reducing the cost, having good thermal insulation effect, keeping comfortable ambient temperature in the car, bright external light color and long service life.



多样化入户、连接方案

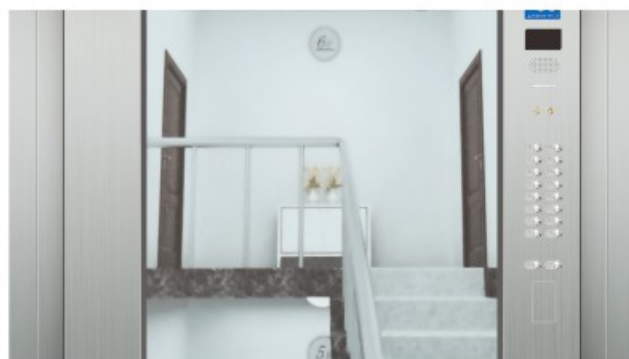
Diversified home entry and connection solutions

多种方案，随心搭配。两种入户方式，
平层入户与错半层入户。

Multiple schemes, mix and match. There are two ways to enter a
household: flat-level and half-level.



◎ 平层入户
Home entry



◎ 错半层入户
Enter the wrong half of the house



◎ 错半层入户侧连廊式
False half-story entrance side gallery



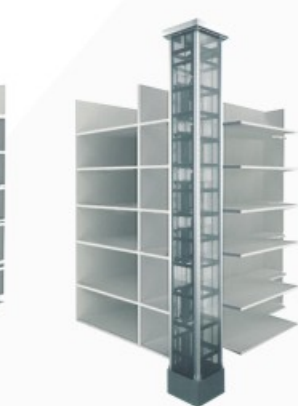
◎ 错半层入户直连廊式
False half-floor home-connected gallery



◎ 平层入户侧连廊式
Flat floor entry side gallery



◎ 半层入户双耳连廊式
Half-floor home ear bin



◎ 平层入户无连廊直连式
Flat floor home without corridor



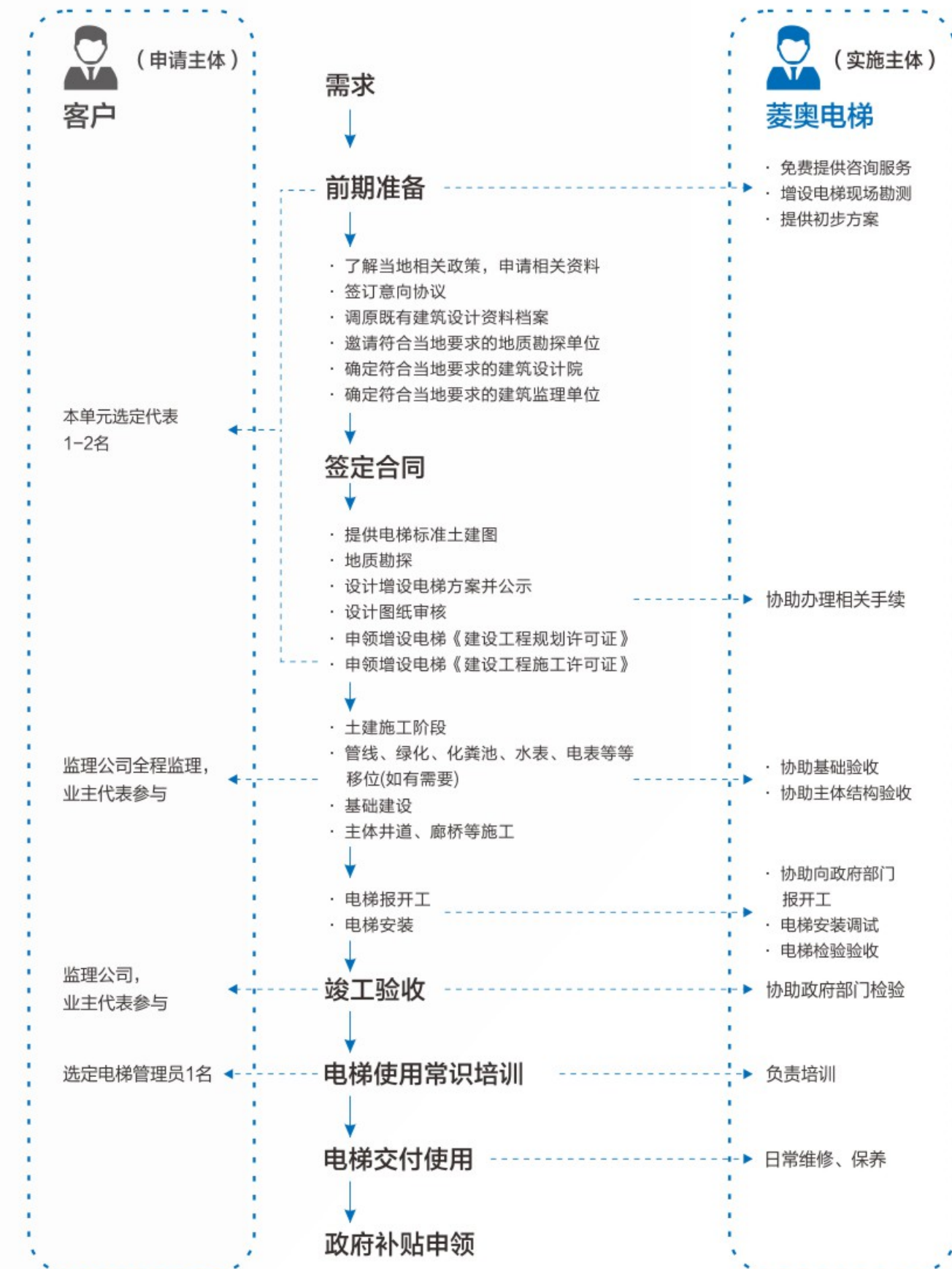
◎ 平层入户直连廊式
Flat floor home straight gallery

两种入户方式（平层入户和错半层入户），配合五种连接方式（单门无平台直连式、贯通门无平台直连式、直走廊式、双跨耳走廊式、侧平台式），形成多样化的组合方案，能满足与不同场地的加装要求。

Two entry methods (level entry and half-floor entry), with five connection methods (single door without platform direct connection, through door without platform direct connection, straight corridor type, double span ear corridor type, Side platform type) to form a diversified combination plan to meet the installation requirements of different venues.

既有住宅增设电梯办理流程图

Flow chart for adding elevators to existing residences



既有住宅加装电梯 为您解决出行难题

Existing residential installation elevator for you to solve travel problems

随着中国逐渐步入老龄化社会，解决老旧住宅的“垂直交通”问题已经迫在眉睫。菱奥电梯推出的“既有住宅加装电梯”，可快速为旧楼加装电梯，不仅可以提升旧小区的物业价值，更重要的是可以迅速解决业主上下楼梯之苦，为众多行动不便的老弱人群带来了生活便利。



五大优势 快速提升人居品质

Five major advantages rapidly improve the habitation quality



1天主体安装 3天调试完毕

Main-body installation in one days, debugging completed in 3 days

电梯出厂前就进行模块化预组装，分段化处理，然后根据距离选择整体或分体运输方案，正常情况下现场安装只需对模块化分段吊装、连接，1天即可将钢结构和电梯主体安装完毕，3天即可调试完毕正常运行，最大限度缩短安装时间，几乎不影响小区居民的日常生活。

Elevator before they leave the modular assembling, segmentation, and then choose whole according to distance, transport or fission normally only for modular block hoisting installation, connection, just 1 day to steel structure and the elevator installed, 3 days can finish testing the normal operation, shorten the installation time, maximum almost does not affect the community residents' daily life.



节约空间 占地面积小

Space saving, small footprint

采用集成生产，一次成型工艺，使钢结构井道与电梯设备装置有机结合，占地面积小。卧式主机，小曳引轮、无底座设计，进一步节省了顶层空间。

With integrated production and one-time forming process, the steel structure well-way is combined with the elevator equipment. Horizontal host, small traction wheel, no base design, further saving the top floor space.

既有建筑增设电梯出资比例（仅作参考）

Existing buildings add elevator investment proportion(for reference only)

充分借鉴广州、深圳、厦门、福州、南京等市在既有住宅增设电梯出资比例方面的经验，我司推荐既有住宅增设电梯出资比例如下：第一层、第二层为0，第三层为基准层，其出资系数为1.0，自第四层开始增加一个楼层提高0.3个系数，即第四层为1.3、第五层为1.6、第六层为1.9、第七层为2.2，以此类推出资比例。（本参考比例仅适用于底层至顶层均为住宅的房屋）

计算公式

基准层（第三层）承担金额=总价÷每层出资系数之和

本层承担金额=基准层承担金额×本层出资系数

每层出资金额=本层承担金额×(该户面积÷本层面积)



稳固可靠保障乘客安全

Robust and reliable, guarantee the passengers' safety

电梯井道采用坚固耐用并经过电泳处理的钢结构制作，结合建筑主体连接，能与各种砖混结构建筑、水泥建筑稳固牢靠连接；先进的变频门机系统，运用红外感应技术，开合灵敏，保障乘客安全。

The elevator shaft is made of strong and durable steel structure which is treated by electrophoresis. Combined with the main body of the building, it can be firmly connected with various brick and concrete structures. Advanced VVVF door system, with infrared induction technology, sensitive opening and closing, to ensure passenger safety.



多重外包选择匹配各种建筑

Multiple outsourcing selections, match with all kinds of buildings

四面观光、三面观光、单面观光、全铝塑板、全彩钢板，丰富的外包选择，不止满足各类消费人群需要，更完美匹配不同建筑风格，为建筑锦上添花。

All around tourism, sightseeing, tourism, the whole package of aluminum-plastic plate, turnkey choi steel, rich outsourcing options, not only can meet the needs of all kinds of consumer groups, a more perfect match different architectural styles, for building the icing on the cake.



多样化入户连接方式满足多种需求

Diverse home-entry connection types, meet multiple needs

两种入户方式（平层入户和错半层入户），配合五种连接方式（单门无平台直连式、贯通门无平台直连式、直走廊式、双跨耳走廊式、侧平台式），形成多样化的组合方案，能满足于不同场地的加装要求。

Two entry modes (flat door and half wrong layer door), with five kinds of connection mode (single without platform direct type, through the door without platform direct type, straight type corridor, corridor type, double span ear side platform), the formation of a variety of combination plan, it can meet the demand in different ground mounted.

家装别墅电梯 上乘生活的家居梦想

Home decoration villa elevator dream of a good life at home

在这个消费升级时代，人们不仅需要在别墅里安装一部电梯，还需要更多的安全感和品质感。威特家用梯秉承“精工、定制、专业”的产品理念，运用先进的智慧云技术，选用更精良的材质和配置，倾力打造安全、健康、智能、舒适的专业家用电梯，成为现代人追求极致生活品质的升级之选。

In this era of consumption upgrading, people not only need to install an elevator in the villa, but also need more sense of security and quality. Wittur home elevators adhere to the product concept of "precision, customization, and professionalism", use advanced smart cloud technology, select more sophisticated materials and configurations, and strive to create safe, healthy, intelligent and comfortable professional home elevators, which become the pursuit of modern people. An upgraded choice for the ultimate quality of life.



优势

- 220V或380V的电压均可
- 无底坑、可无土建井道
- 不同风格、不同结构的别墅
- 适合各种装修风格

Advantage

- Both 220V or 380V voltage
- No bottom pit, no civil construction shaft
- Villas of different styles and structures
- Suitable for various decoration styles

多种开门方式 选择不同品味生活

A variety of ways to open the door, choose different tastes of life

菱奥家用电梯，采用多种开门方式供用户选择，同时可根据用户的需求和使用情况专门设计。

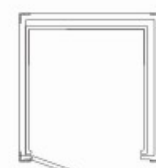
菱奥家用电梯采用多种开门方式供用户选择，同时可根据用户的需求和使用情况专门设计。



中分式
center-opening



旁开式
side-opening



手拉门
manually operated
door



四大品质创新

Four quality innovations

- 全新专利的钢带结构设计
带来非同寻常的乘坐舒适感
New patent design of steel structure
Bring an extraordinary sense of comfort

- 专业化的个性定制
您的电梯听您的
Personalized customization
Your elevator listens to you

- 智能化的呼救系统
让您永远高枕无忧
Intelligent calling system
Let you always sit back and relax

技术领先 性能卓越

Leading technology outstanding performance

专为别墅电梯而设计的钢带曳引机和传统无齿轮相比，技术领先，性能可靠，优势明显。

Compared with traditional gearless gears, the steel belt traction machine designed for villa elevators has leading technology, reliable performance and obvious advantages.



复合钢带
Composite steel belt

VS



传统钢丝绳
Traditional wire rope

铝合金井架特点

Aluminum alloy derrick features

- 独立的框架玻璃设计，不额外增加建筑成本；
- 安装位置可自选，耐腐蚀，寿命周期长；
- 选用工业级铝合金，玻璃采用安全夹胶玻璃。

- Independent frame glass design, no additional increase in construction costs;
- Installation position optional, corrosion resistant, long life cycle;
- Choose industrial grade aluminium alloy, glass USES safety glue glass.

可选颜色

Can choose colour



金色 golden



白色 white



银灰色 silver



黑色 black



加装电梯轿厢装潢

Passenger elevator car decoration



LA-J001

标配

吊顶：镜面不锈钢，亚克力灯饰，
两侧LED灯照明
轿壁：发纹不锈钢
地板：PVC（可选大理石）

Standard

Ceiling: Hairline stainless steel, acrylic
lighting decoration, down lamp
Car wall: Hairline stainless steel
Floor: PVC (optional marble)

操纵箱
Operation panel



LC03

标配 Standard



LA-J003

选配

吊顶：不锈钢辅以金色筒灯，
中间拱形白色透光板
轿壁：镜面，蚀刻，发纹
扶手：不锈钢扁扶手
地板：PVC（可选大理石）

Optional

Ceiling: Stainless steel with gold tube lamp,
middle arch white transparent plate
Car wall: Mirror, etching, hairline
Handrail: Stainless steel flat handrail
Floor: PVC (optional marble)



LA-J017

选配

吊顶：发纹不锈钢框架，亚克力透光板
轿壁：发纹不锈钢，镜面钛金蚀刻
扶手：不锈钢单管
地板：PVC（可选大理石）

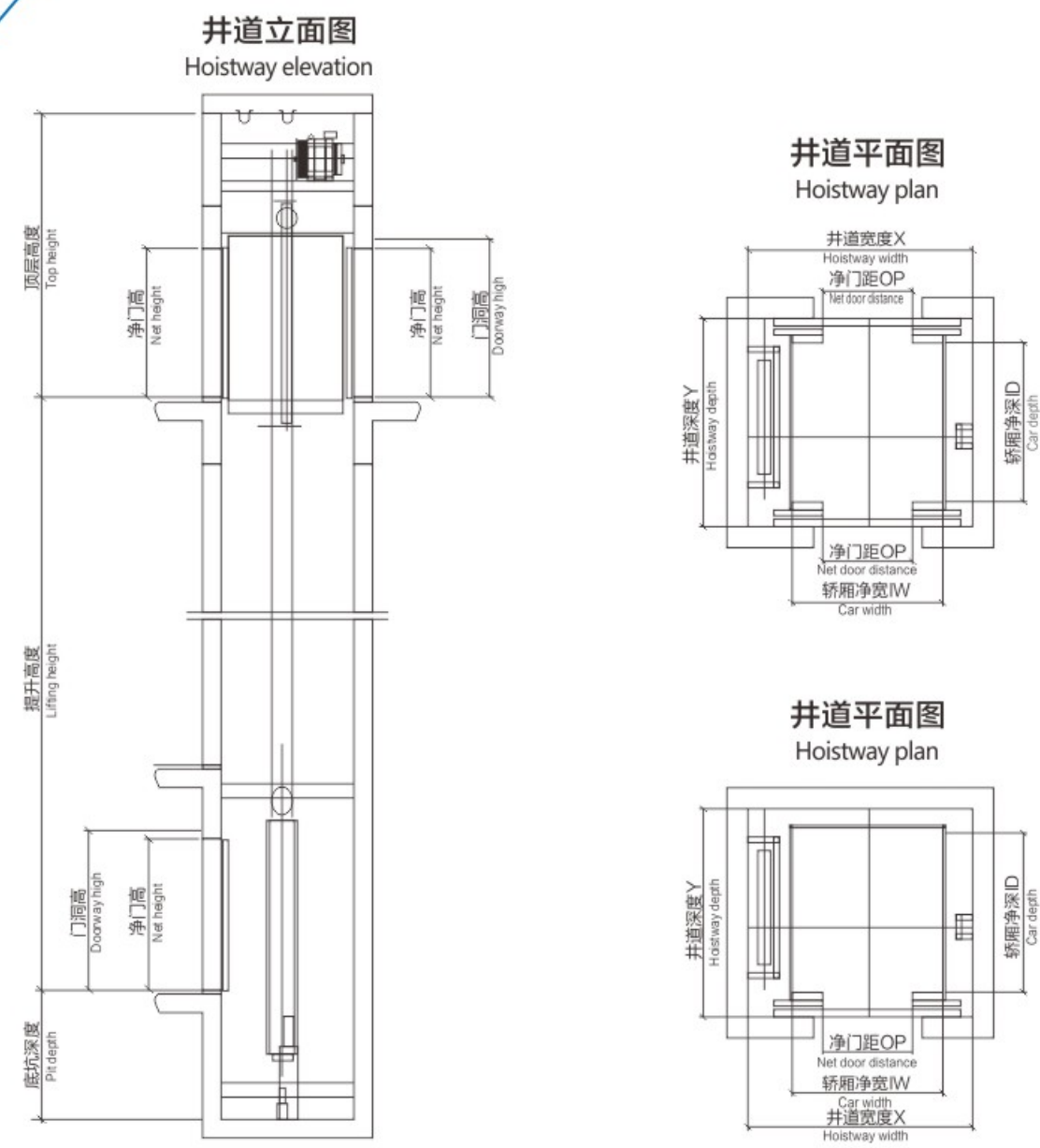
Optional

Ceiling: Mirror surface stainless steel made
frame, acrylic transparent board
Car wall: Hairline stainless steel, mirror
titanium etching
Handrail: Hairline stainless steel
Floor: PVC (optional marble)



加装电梯土建

Additional elevator construction



- 专业团队 Professional team
- 便捷服务 Convenient service
- 服务专线 Service line
- 专业维保 Professional maintenance

专业服务团队

所有维保服务人员均接受严格的岗位培训、执行标准的维保流程，并依托强大的技术支持网络和管理系统，向客户提供完善的服务体验。

安心电梯远程监控系统

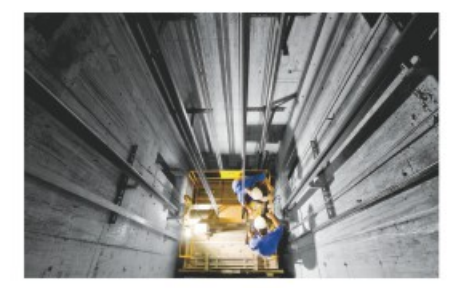
实现24小时电梯远程监控、及时报警救援和维保、检验等工作的信息化管理，保障电梯安全运行，电梯管理更方便快捷。

Professional service team

All the repair and maintenance employees go through strict post training, It executes standard repair and maintenance flow. It is backed by the powerful technical support network and management system. It provides the clients with perfect service experience.

Trustworthy elevator long-distance monitor system

It fulfills 24-hour elevator long-distance monitor, prompt alarm rescue, repair and maintenance, information management such as inspection etc. It ensures safe elevator operation, It is more prompt and convenient in elevator management.



加装电梯参数表

Additional elevator table

载重 KG	速度 m/s	轿厢尺寸mm 宽IW*深ID	开门宽度OP*高HH mm	井道尺寸mm 宽X*深Y	顶层高度 mm	底坑深度 mm
630	1.0	1200*1300	800*2100 (中分门)	2050*1700	≥4400	≥1500
	1.5				≥4500	≥1600
800	1.0	1400*1350	800*2100 (中分门)	2150*1750	≥4400	≥1500
	1.5				≥4500	≥1600
1000	1.0	1600*1400	900*2100 (中分门)	2350*1800	≥4400	≥1500
	1.5				≥4500	≥1600

注:上述尺寸供设计参考,具体尺寸以合同签约时提供的土建图为准。
Note: Only for reference, final manufacture please follow contract.