



霖柏建筑
Linbo Construction

霖柏建筑工程有限公司

LINBO CONSTRUCTION ENGINEERING CO., LTD.



提供钢结构设计、制造、安装及工程总承包一站式解决方案
Steel Structure: Design, Fabrication, Erection & Full EPC Turnkey Solutions



Certificate of Incorporation (under Act XVIII of 1994)

NO. C-205911/2025

*I hereby certify that **LINBO CONSTRUCTION ENGINEERING COMPANY LIMITED** is this day incorporated under the Companies Act (Act XVIII) of 1994 and that the Company is Limited.*

*Given under my hand at **Dhaka** this **Third** day of **November two thousand and twenty-five**.*

*By order of
Registrar*

*Assistant Registrar
Registrar of Joint Stock Companies & Firms
Bangladesh*



N.B. This certificate is digitally signed. Please find the soft copy to verify the signature.

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公司概况

CORPORATE PROFILE

企业理念

Corporate Philosophy

交付一个项目 · 结交一方伙伴

Deliver a Project, Gain a Partner.

我们始终秉持这样的信念：每一个工程项目，不仅是技术与材料的凝结，更是信任与承诺的起点。我们致力于在交付高质量工程的同时，与客户建立超越合同、值得托付的长期伙伴关系。这种关系以相互尊重为基础，以共同成长为目标，是我们一切行动的出发点和归属。

We hold steadfast to the belief that every engineering project is not merely the culmination of technology and materials, but the starting point of trust and commitment. We are dedicated to delivering high-quality projects while establishing long-term, reliable partnerships with our clients that transcend contracts. Rooted in mutual respect and aimed at shared growth, these relationships are both the origin and destination of all our endeavors.

关于我们 About Us

以实力启航 • 融贯国际视野与本土智慧

On Strength We Sail • Uniting Global Vision with Local Insight

霖柏建筑工程有限公司成立于2025年，诞生于孟加拉国经济蓬勃发展、基础设施需求日益增长的黄金时代。我们是一家融贯国际先进工程经验与本土市场深刻洞察的综合性工程集团。公司由拥有超过二十年卓越业绩的中国基础设施专家团队，与深植于孟加拉国市场、精通本地法规、文化与商业实践的精英力量联合创立。

Founded in 2025 during Bangladesh's dynamic economic ascent and growing infrastructure demands, Linbo Construction Engineering Co., Ltd. is an integrated engineering group that masterfully blends international engineering expertise with deep local market insight. Our company was established through a powerful alliance between seasoned Chinese infrastructure professionals with over two decades of excellence and local market elites deeply rooted in Bangladesh, possessing intimate knowledge of local regulations, culture, and business practices.

这不仅是一次资本与资源的结合，更是一次战略性的智慧融合。我们成功嫁接了中国在大型基建、工业化建造和项目管理方面的系统化经验，与孟加拉国本土团队对市场脉搏、客户需求及落地执行环境的精准把握。这种独特的“国际技术+本土智慧”双引擎模式，为霖柏奠定了无与伦比的发展基础，构建了广泛而坚实的资源网络与信任桥梁，使我们能更高效、更精准地服务于孟加拉国及区域市场。

This union represents far more than a combination of capital and resources; it is a strategic convergence of wisdom. We have successfully integrated China's systematic experience in large-scale infrastructure, industrialized construction, and project management with our Bangladeshi team's precise grasp of the local market pulse, client needs, and on-the-ground execution environment. This unique dual-engine model of "International Technology + Local Insight" provides Linbo with an unparalleled foundation for development, building an extensive and robust network of resources and trust, enabling us to serve the Bangladeshi and regional markets with greater efficiency and precision.



战略布局·全链整合解决方案引领者

Strategic Layout · Leader in Integrated Whole-Industry-Chain Solutions

霖柏深刻认识到，未来的行业竞争力核心在于对全产业链的深度整合与掌控能力。碎片化的服务模式已无法满足客户对效率、成本与品质的极致追求。为此，我们正以前瞻性的战略眼光，在孟加拉国的核心工业区域，积极投资建设一座具备国际先进水平的现代化智能钢结构制造基地。

Linbo deeply understands that the core of future competitiveness lies in the capacity for deep integration and control across the entire industrial chain. Fragmented service models can no longer meet clients' paramount demands for efficiency, cost, and quality. Therefore, with forward-looking strategic vision, we are actively investing in and developing a modern, smart steel structure manufacturing base of international advanced standards in a key industrial region of Bangladesh.

我们的目标，是通过自身能力的升级，树立工程建造领域的新标杆，将国际化的品质标准与项目管理体系深度融入本地实践，从而助力整体提升孟加拉国工程建设行业的标准与效率，为国家的工业化与城市化进程贡献坚实力量。

Our goal is to set new benchmarks in the engineering and construction sector through the enhancement of our own capabilities, deeply integrating international quality standards and project management systems into local practice. In doing so, we aim to contribute to elevating the overall standards and efficiency of Bangladesh's engineering construction industry, providing solid support for the nation's industrialization and urbanization.



企业承诺 · 不止于建造，更创造价值

Corporate Commitment · Beyond Building, We Create Value

我们始终恪守“诚信霖柏，构筑未来”的核心信念。诚信是我们立业的基石，构筑未来是我们肩负的使命。然而，我们深知，真正的建筑杰作远不止于砖瓦钢材的堆砌与图纸的完美复现。我们的使命，是让经由我们建造的每一座项目，都能成为持续创造价值的载体。

We remain true to our core philosophy “**Integrity Linbo, Building Tomorrow.**” Integrity is the cornerstone of our enterprise, and building tomorrow is the mission we uphold. Yet, we deeply understand that a true architectural masterpiece extends far beyond the assembly of bricks, steel, and the flawless execution of blueprints. Our mission is to ensure that every project we deliver becomes a vessel for continuous value creation.

因此，我们致力于超越传统的承包商角色，成为客户在项目全生命周期中可以信赖的长期战略伙伴。我们关注建筑如何更好地服务于人的需求，如何通过高效节能的设计降低运营成本，如何以坚固耐用的品质延长资产寿命，如何以其卓越的设计成为城市的文化地标与社区活力的源泉。我们坚信，建筑的价值在于其承载的生活、激发的灵感与传承的时代精神。对我们而言，客户的长期信任与成功，胜过一切短暂的荣誉与奖杯。

Therefore, we are committed to transcending the traditional contractor role to become a trusted long-term strategic partner for our clients throughout the project lifecycle. We care about how buildings better serve human needs, how energy-efficient designs reduce operational costs, how durable quality extends asset life, and how iconic design becomes a source of cultural identity and community vitality. We firmly believe a building's value lies in the life it accommodates, the inspiration it sparks, and the era it represents. For us, a client's long-term trust and success outweigh any transient honor or trophy.



携手同行·共筑未来

Joining Hands, Building Tomorrow

当前，孟加拉国正站在一个历史性的发展拐点，充满前所未有的机遇、活力与雄心。基础设施的现代化、城市的升级扩张、工业的蓬勃发展，共同描绘出一幅波澜壮阔的蓝图。

Today, Bangladesh stands at a historic inflection point of development, brimming with unprecedented opportunity, vitality, and ambition. The modernization of infrastructure, the expansion and upgrading of cities, and the vigorous development of industry together paint a magnificent blueprint for the future.

凭借扎实卓越的工程技术能力、前瞻务实的全产业链战略布局，以及对品质与承诺坚定不移的恪守，霖柏已经整装待发。我们不仅仅是一个工程服务的提供者，更是志在参与并推动这场变革的可靠战略盟友。

Bolstered by solid and excellent engineering capabilities, a forward-thinking and pragmatic full-industry-chain strategy, and an unwavering commitment to quality and our promises, Linbo is ready. We are not merely a provider of engineering services; we are a reliable strategic ally determined to participate in and propel this transformation.

我们诚邀您，在这片充满希望与潜力的土地上，与霖柏携手并肩。让我们以信任为基石，以合作为桥梁，共同为明天奠定坚实的基础，携手创造属于这个时代的建设传奇，共享发展与成功的丰硕果实。

We sincerely invite you to join hands with Linbo on this land brimming with hope and potential. Let us build upon a foundation of trust, connect through collaboration, lay a solid groundwork for tomorrow, co-create construction legends for this era, and share the fruitful outcomes of development and success.



核心业务

Core Business & Services

作为一家综合性的建筑工程集团，霖柏汇聚设计、制造、施工与管理的全链条专业能力，致力于为多元化的市场领域提供卓越的结构解决方案。我们的业务矩阵围绕核心钢结构技术体系构建，覆盖从重型工业到轻型临时设施的全谱系应用，旨在通过技术创新与精益管理，为客户创造超越期望的价值。

As a comprehensive construction engineering group, Linbo integrates full-chain expertise in design, fabrication, construction, and management, committed to delivering excellent structural solutions for diverse market sectors. Our business portfolio is built around core steel structure technologies, spanning the full spectrum from heavy industrial facilities to lightweight temporary structures. We aim to create value that exceeds client expectations through technological innovation and lean management.

01 门式钢结构

Portal Frame Steel Structures

此类结构是工业建筑领域的经典与高效之选，以其空间开阔、施工快捷、经济性突出而著称。我们不仅提供标准化的门式刚架，更能根据工艺流程、吊车配置及特殊荷载需求进行定制化设计与优化。依托自有的现代化智能加工基地，我们实现了从深化设计、数控下料、自动组焊到精准涂装的全流程可控生产，并由经验丰富的项目管理与安装团队确保现场高效、精准的落地执行，为客户工业资产的快速投产与长期稳定运行提供坚实基础。

These structures represent the classic and efficient choice for industrial buildings, renowned for their expansive clear spans, rapid construction, and outstanding cost-effectiveness. We provide not only standardized portal frames but also customized design and optimization based on process flow, crane requirements, and special load conditions. Leveraging our own modern intelligent fabrication base, we ensure fully controlled production from detailed design and CNC cutting to automatic assembly-/welding and precision coating. This is complemented by our experienced project management and erection teams, guaranteeing efficient and precise on-site execution. We deliver a solid foundation for the swift commissioning and long-term, stable operation of our clients' industrial assets.

02 网架及网壳结构

Space Frames & Reticulated Shells

网架与网壳结构是实现大跨度自由空间与标志性建筑造型的理想载体。我们在此领域具备深厚的技术积淀与丰富的项目经验，能够驾驭从规则网格到复杂自由曲面的各类设计挑战。我们的服务涵盖螺栓球节点、焊接空心球节点等多种成熟体系，通过先进的3D建模与受力分析，确保结构在实现视觉震撼力的同时，兼具卓越的安全性、经济性与施工可行性，完美适配体育场馆、交通枢纽、文化中心等大型公共建筑的需求。

Space frames and reticulated shells are the ideal mediums for achieving long-span, column-free spaces and iconic architectural forms. We possess profound technical expertise and extensive project experience in this field, capable of tackling design challenges ranging from regular grids to complex free-form surfaces. Our services cover various mature systems including bolted spherical joints and welded hollow spherical joints. Utilizing advanced 3D modeling and structural analysis, we ensure that our structures deliver visual impact while maintaining excellent safety, economy, and constructability, perfectly meeting the needs of large-scale public buildings such as stadiums, transportation hubs, and cultural centers.



03 钢桁架结构

Truss Steel Structures

钢桁架以其极高的材料效率与结构表现力，成为塑造宏伟建筑空间的骨骼。我们提供从方案咨询、精细化设计到制造安装的一站式桁架解决方案。无论是用于大型场馆屋盖的平面桁架、桥梁的主承重结构，还是作为建筑立面的装饰性构件，我们均能通过精准的荷载分析、节点设计与工艺控制，将设计创意转化为稳定可靠的现实。我们擅长处理大跨度、重荷载及复杂边界条件下的桁架体系，确保结构性能与建筑美学的和谐统一。

Steel trusses, with their exceptional material efficiency and structural expressiveness, serve as the skeleton for shaping magnificent architectural spaces. We provide one-stop truss solutions encompassing conceptual consultation, detailed design, fabrication, and installation. Whether for planar trusses in large venue roofs, primary load-bearing structures for bridges, or decorative elements in building facades, we translate design concepts into stable and reliable reality through precise load analysis, joint design, and process control. We specialize in handling truss systems under conditions of long spans, heavy loads, and complex boundary constraints, ensuring a harmonious unity between structural performance and architectural aesthetics.

04 钢结构桥梁

Steel Bridges

我们致力于提供全类型的钢结构桥梁解决方案，涵盖城市立交、公路铁路跨线桥、人行景观桥等。我们深刻理解桥梁工程的耐久性、服役安全与全生命周期成本要求。从创新的结构选型与轻量化设计，到工厂化精益制造和模块化快速安装，我们运用先进技术最大程度减少现场作业与对交通环境的影响。我们不仅建造桥梁，更致力于打造安全耐久、与周边环境和谐共生的交通艺术品。

We are committed to providing comprehensive steel bridge solutions covering urban overpasses, highway and railway crossings, pedestrian landscape bridges, and more. We have a deep understanding of the durability, service safety, and lifecycle cost requirements of bridge engineering. From innovative structural selection and lightweight design to industrialized lean fabrication and modular rapid installation, we employ advanced technologies to minimize on-site work and impact on traffic and the environment. We do not merely build bridges; we strive to create traffic artworks that are safe, durable, and in harmonious symbiosis with their surroundings.

05 拱形波纹钢屋面**Arched Corrugated Steel Roofs**

拱形波纹钢屋面（俗称“无梁拱”）是一种极具性价比的大跨度轻质屋面系统。我们提供的解决方案集成了高性能镀铝锌或彩涂钢板与成熟的机械咬合技术，形成连续、自支撑的拱形壳体。该系统具有施工速度极快、零维护、卓越的防水与抗风性能等特点，特别适用于物流仓储、体育训练馆、农业大棚及各类需要快速建成的临时或永久性大空间建筑，为客户提供经济高效的遮蔽解决方案。

Arched corrugated steel roofs (commonly known as "beamless arches") represent a highly cost-effective, long-span, lightweight roofing system. Our solutions integrate high-performance galvalume or coated steel sheets with proven mechanical seaming technology to form a continuous, self-supporting arched shell. The system is characterized by extremely fast construction, zero maintenance, and excellent waterproofing and wind resistance. It is particularly suitable for logistics warehouses, sports training halls, agricultural greenhouses, and various temporary or permanent large-space buildings requiring rapid completion, offering clients an economical and efficient shelter solution.

06 模块化打包箱系统**Modular Packaged House System**

我们的模块化打包箱系统是“工业化建造”理念的典范。每个标准箱体均采用全焊接热镀锌钢框架，在工厂内完成结构、保温、装饰、机电管线及内饰的集成化生产，达到建筑产品级的交付标准。该系统支持灵活的横向与纵向组合，可快速构成办公单元、营地宿舍、医疗站、教室等各类功能空间。其“快速部署、零建筑垃圾、可整体迁移”的核心优势，完美契合临时设施、应急工程、文旅项目及快速扩张的商业场景对时间、成本与环保的苛刻要求。

Our Modular Packaged House System is a paradigm of "industrialized construction." Each standard unit is built with a fully welded, hot-dip galvanized steel frame and undergoes integrated factory production encompassing structure, insulation, finishes, MEP lines, and interior furnishings, achieving deliverable building product standards. The system supports flexible horizontal and vertical combinations, enabling the rapid creation of various functional spaces such as office units, camp dormitories, medical stations, and classrooms. Its core advantages of "rapid deployment, zero construction waste, and complete relocatability" perfectly meet the stringent demands for time, cost, and environmental protection in scenarios involving temporary facilities, emergency projects, cultural tourism developments, and rapidly expanding commercial operations.





07 活动板房

Prefabricated Houses & Site Accommodation

我们提供多样化、标准化的活动板房产品系列，是应对临时空间需求的可靠选择。产品以轻钢龙骨为框架，复合夹芯板为围护体系，兼具良好的保温隔热性能与结构强度。从基础的工地办公室、工人宿舍，到定制化的移动零售店、设备 shelter、高端景观房，我们均可提供快速响应的解决方案。我们注重产品的耐用性、安全性与使用体验，确保即使在临时性应用中，也能为用户提供舒适、可靠的建筑环境。

We offer a diverse and standardized range of prefabricated house products, serving as a reliable choice for temporary space needs. Our products feature a light-gauge steel frame and composite sandwich panel envelope, offering both good thermal insulation and structural strength. We provide rapidly responsive solutions for everything from basic site offices and worker dormitories to customized mobile retail shops, equipment shelters, and high-end scenic villas. We prioritize product durability, safety, and user experience, ensuring a comfortable and reliable built environment even in temporary applications.



门式钢结构

PORTAL STEEL STRUCTURES

门式钢结构是现代工业与仓储建筑的核心结构形式，由型钢通过高强度连接形成刚接框架。该体系充分发挥钢材的高强轻质特性，通过优化设计实现高效用材与抗震延性。其标准化、无柱大空间的特点，结合现代围护系统，可快速建造并满足多功能需求，广泛应用于物流、制造、体育与商业领域。

The portal steel frame is a core structural system for modern industrial and warehouse buildings, formed by steel sections connected into rigid frames via high-strength joints. It leverages the high strength-to-weight ratio of steel, achieving efficient material use and seismic ductility through optimized design. With its standardized, column-free large spans and integration with modern envelopes, it enables rapid construction and meets diverse functional needs, widely applied in logistics, manufacturing, sports, and commercial sectors.

核心优势 | Core Advantages

高强轻质 · 空间自由

High Strength & Lightweight Spatial Freedom

钢材强度高、密度低，同等荷载下构件截面更小、自重更轻，可降低基础造价达30%以上。这一特性特别适用于体育场馆、交通枢纽、大型厂房等大跨度建筑，实现40米以上无柱开阔空间，赋予建筑设计无限可能。

Steel offers exceptional strength-to-weight ratios, enabling smaller structural sections and lighter self-weight under equivalent loads—reducing foundation costs by over 30%. This characteristic makes it ideal for long-span structures such as stadiums, transportation hubs, and large industrial plants, creating column-free spaces exceeding 40 meters and unlocking boundless design potential.

施工高效 · 工期可控

Rapid Construction Schedule Control

构件工厂预制精度达 $\pm 1\text{mm}$ ，现场机械化安装效率提升60%，是目前工业化程度最高的结构体系。标准化流程使项目周期缩短40%以上，显著降低现场管理复杂度与天气依赖，确保项目按时高质量交付。

With factory prefabrication precision reaching $\pm 1\text{mm}$ and mechanized on-site installation efficiency increasing by 60%, this represents the most industrialized structural system available. Standardized processes shorten project timelines by over 40%, substantially reducing on-site management complexity and weather dependency while ensuring timely, high-quality project delivery.

性能可靠 · 安全卓越

Reliable Performance Superior Safety

钢材材质均匀、韧性优异，结构实际表现与理论设计高度一致。具备9度抗震设防能力，抗冲击性能超过传统结构200%，能在极端荷载与恶劣环境下保持稳定，为建筑提供75年以上全生命周期安全保障。

Steel's material homogeneity and excellent toughness ensure structural performance aligns precisely with theoretical design. With seismic fortification capabilities up to intensity 9 and impact resistance exceeding traditional structures by 200%, it maintains stability under extreme loads and harsh environments, providing over 75 years of full lifecycle safety assurance.

绿色持续 · 面向未来

Green & Sustainable Future-Oriented

钢材100%可回收利用，全生命周期碳足迹比混凝土结构降低45%以上。通过优化设计与智能系统集成，建筑能效提升35%，结合BIPV光伏屋面等技术，可实现建筑能耗降低60%，是推动建筑业绿色转型的必然选择。

Steel is 100% recyclable, with a lifecycle carbon footprint reduced by over 45% compared to concrete structures. Through optimized design and integrated smart systems, building energy efficiency improves by 35%. Combined with technologies like BIPV roofing, building energy consumption can be reduced by 60%, making it the essential choice for advancing green transformation in construction.



典型应用 | Typical Applications

工业与仓储

Industrial & Warehousing

- 大型生产厂房 | Large-scale manufacturing plants
- 物流配送中心 | Logistics distribution centers
- 冷链仓储设施 | Cold chain storage facilities
- 综合市场 | General markets



文体与商业

Cultural, Sports & Commercial

- 体育训练场馆 | Sports training venues
- 展览会议中心 | Exhibition and convention centers
- 大型商业综合体 | Large commercial complexes
- 汽车4S店展厅 | Automobile 4S showrooms
- 综合性办公楼 | Integrated office buildings



工程设备体系 | Equipment System

我们建立了覆盖设计、制造到施工的全流程先进装备体系，为门式钢结构提供可靠技术支持。

We have established an advanced equipment system covering the entire workflow from design to fabrication and construction, delivering reliable technical support for portal steel structures.

智能切割系统 | Intelligent Cutting Systems

采用数控等离子/火焰及激光切割，实现毫米级精度自动化下料。

CNC plasma/oxy-fuel and laser cutting enable automated, millimeter-precision blanking.

精密焊接系统 | Precision Welding Systems

配备自动埋弧焊、气体保护焊等设备，确保节点强度与焊接质量。

Automated SAW, GMAW, and specialized equipment ensure joint strength and welding quality.

型钢成型系统 | Section Steel Forming Systems

专用于H型钢等主要构件的精准组立、焊接与校正。

Dedicated to precise assembly, welding, and straightening of primary members like H-beams.

表面处理系统 | Surface Treatment Systems

高效自动化抛丸/喷砂，提供Sa2.5级清洁基面，确保长效防腐。

High-efficiency automated blasting provides Sa2.5-grade substrate for durable anti-corrosion coating.

集成加工中心 | Integrated Processing Centers

融合数控切割、钻孔、坡口与冷弯工艺，完成复杂节点的精细化制造。

Combines CNC cutting, drilling, edge prep, and cold forming for refined fabrication of complex connections.

品质闭环与价值交付 | Quality Assurance & Value Delivery

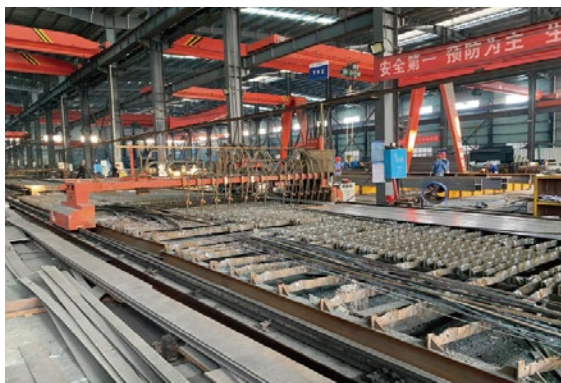
全面贯彻“精准切割 - 精密成型 - 优质焊接 - 可靠涂装”的闭环品控流程，确保所有构件超越设计规范，为客户交付高可靠、长寿命的钢结构整体解决方案。

The system fully implements the closed-loop quality control process of "Precision Cutting – Accurate Forming – Quality Welding – Reliable Coating," ensuring all components exceed design specifications to deliver high-reliability, long-life integrated steel structure solutions.



设备展示

Equipment Showcase



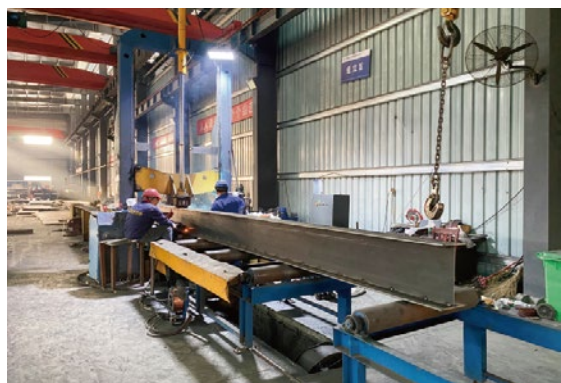
钢结构下料设备

Steel structure cutting equipment



钢结构下料设备

Steel Structure Welding Equipment



焊接H型钢组拼设备

H-beam Assembly Equipment



焊接 H型矫正设备

H-beam Straightening Equipment



抛丸除锈设备

Shot Blasting/Sand Blasting Equipment



加工设备

Processing equipment

工程案例 Project Portfolio



中国江西莲花空压机产业园区

Steel Structure Industrial Park for Lianhua Electronic Air Compressor, Jiangxi



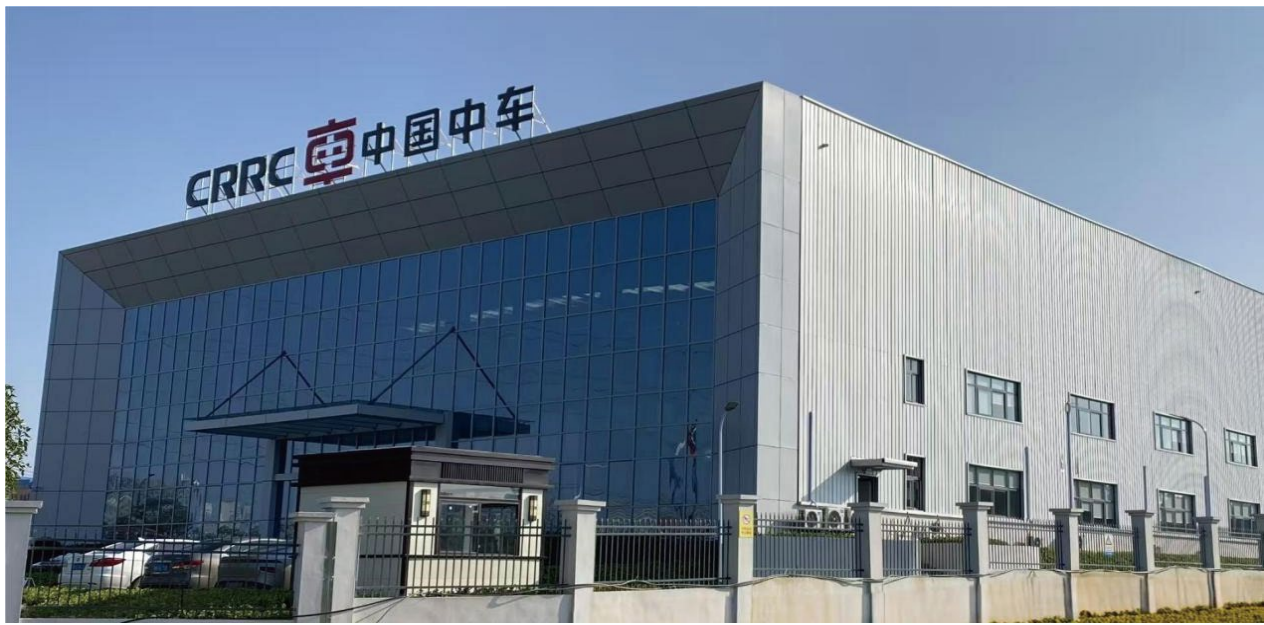
中国铁建重工轨道钢结构生产车间

Rail Equipment Steel Structure Workshop for CRCHI, Hunan



工程案例

Project Portfolio



湖南中车长沙总部基地

CRRC Regional Headquarters Base in Changsha, Hunan



益阳制造谷钢结构生产厂房

Steel Structure Production Plant for Yiyang Manufacturing Valley

网架及网壳结构

SPACE FRAMES & GRID SHELLS

网架与网壳结构是由杆件按特定几何网格在节点连接而成的三维空间受力体系。其基本单元（如三角锥、四棱锥）通过规则或自由的拓扑连接，可灵活组合形成从平面网格到复杂曲面乃至自由形态的空间造型。该结构体系充分利用杆件的轴向受力特性，显著提高材料利用效率，兼具卓越的力学性能与丰富的建筑表现力，适用于大跨度公共建筑、交通枢纽、体育场馆及文化设施，是现代建筑与结构工程高度融合的典范。

Space frames & grid shells are three-dimensional spatial load-bearing systems composed of linear members interconnected at nodes according to precise geometric patterns. basic units, such as triangular or square pyramids, can be flexibly combined through regular or free topological connections to create spatial configurations ranging from planar grids to complex curved surfaces and free-form geometries. this structural system fully leverages the axial load-bearing characteristics of its members, thereby substantially enhancing material efficiency while delivering exceptional mechanical performance and rich architectural expressiveness. as such, it is ideally suited for large-span public buildings, transportation hubs, stadiums, and cultural facilities, representing a paradigm of the high integration between modern architecture and structural engineering.

核心优势 | Core Advantages

空间高效 · 材尽其用

Spatial Efficiency Maximum Material Utilization

所有杆件通过科学网格协同受力，形成高效的三维传力路径。这种空间整体作用使材料强度得以充分发挥，实现“小材大用”的工程智慧。

All members work synergistically through a scientific grid, forming an efficient three-dimensional load-transfer path. This holistic spatial interaction allows material strength to be fully utilized, embodying the engineering wisdom of “achieving more with less.”

形态自由 · 创意无界

Form Freedom Unbounded Creativity

结构体系完美适配多样化、非线性的建筑造型。无论是刚劲的几何韵律还是流动的有机曲面，我们都能将天马行空的创意精准落地，让结构本身成为标志性美学的载体。

The structural system perfectly adapts to diverse, non-linear architectural forms. Whether for bold geometric rhythms or flowing organic curves, we can precisely realize visionary designs, allowing the structure itself to become a carrier of iconic aesthetics.

轻盈坚韧 · 跨度非凡

Lightweight & Resilient Extraordinary Spans

与实腹梁等传统结构相比，用钢量可显著减少。这种高强轻质的特性，不仅大幅降低结构自重与基础成本，更轻松实现百米以上的无柱大跨度，创造震撼的室内空间。

Compared to traditional structures like solid-web beams, steel consumption can be significantly reduced. This high-strength, lightweight characteristic not only dramatically cuts structural self-weight and foundation costs but also effortlessly enables column-free spans exceeding 100 meters, creating awe-inspiring interior spaces.

稳固可靠 · 无畏挑战

Robust & Reliable Fearless in Challenge

得益于杆件分布的均匀性和结构的整体性，体系具备卓越的稳定性与延性。其卓越的抗震与抗风性能，能从容应对多维动力荷载，为建筑提供全生命周期的安全保障。

Thanks to the uniform member distribution and structural integrity, the system possesses excellent stability and ductility. Its outstanding seismic and wind resistance enables it to handle multi-directional dynamic loads with ease, providing lifelong safety assurance for the building.

典型应用 | Typical Applications

体育场馆、交通枢纽、展览中心、剧院、加油站及各类大型公共建筑

Stadiums, transportation hubs, exhibition centers, theaters, gas stations, and large public buildings

结构分类 | Structural Classification

双层板型网架

Double-Layer Plate Space Frame

- 结构构成：上弦杆、下弦杆及腹杆构成双层网格
Structure: Top/bottom chords and web members form double-layer grid
- 应用现状：技术成熟、应用广泛、经济高效的主流结构选择
Status: A mainstream structural choice with mature technology, wide application, and cost-effective performance.

双层壳型网架

Double-Layer Grid Shell

- 结构构成：两个单层壳通过腹杆连接
Structure: Two single-layer shells connected by web members
- 应用现状：用于超大跨度复杂空间结构
Status: For super-large span complex structures

单层壳型网架

Single-Layer Grid Shell

- 结构构成：单层网格，通常为曲面造型
Structure: Single-layer grid, often curved geometry
- 应用现状：适用于造型复杂的标志性建筑
Status: For landmark buildings with complex forms

施工方法 | Construction Methods

整体安装法

Integrated Installation

- 工艺：地面整体拼装后顶升/提升/吊装
Process: On-ground assembly then jacking/lifting/hoisting
- 优点：精度高、高空作业少、工期短
Advantages: High precision, less high-altitude work, short schedule
- 适用：具备大型吊装条件场地
Applicable: Sites with heavy lifting capacity

高空装配法

High-Altitude Assembly

- 工艺：高空散装、分条分块组装、高空滑移
Process: Piece-by-piece, strip/block assembly, sliding
- 优点：起重设备要求灵活，适应复杂场地
Advantages: Flexible equipment needs, adapts to complex sites
- 适用：无法地面整体拼装项目
Applicable: Projects unsuitable for ground assembly

我们的专业能力 | Our Expertise

无论采用何种方法，霖柏都拥有专业的施工团队、经验丰富的现场工程师与严格的安全管理体系，确保每一个安装环节都**精准、高效、安全**。

我们致力于将最具挑战性的设计，转化为完美落地的现实。

Regardless of the construction method employed, Linbo is equipped with a professional execution team, seasoned on-site engineers, and a rigorous safety management system, ensuring every installation phase is executed with precision, efficiency, and safety.

We are committed to transforming even the most ambitious and challenging designs into flawlessly realized structures.



精准 · 高效 · 安全

PRECISION ·
EFFICIENCY ·
SAFETY ·



构件展示

Grid System Components Showcase



螺栓球毛坯
Unfinished Bolt ball



螺栓球成品
Finished Bolt Ball



杆件堆头
Rod Stack Head



网架杆件
Space Frame Rods



网架节点
Space Frame Joint



网架支座
Space Frame Support

工程案例

Project Portfolio



湖南农业大学新建体育馆网架项目

Space Frame Project for the New Gymnasium at Hunan Agricultural University



长沙长郡开福中学体育馆

Gymnasium for Changjun Kaifu Middle School, Changsha



工程案例

Project Portfolio



冷水江市公务员住宅小区综合楼穹顶网架工程

Dome Truss Structure for the Comprehensive Building, Lengshuijiang City, China



珠海格力电器总部搬迁装卸台网架项目

Loading Dock Canopy Structure for GREE Relocation, Zhuhai

钢桁架结构

TRUSS STRUCTURES

桁架是由直线杆件通过节点连接构成的高效承重体系。其核心特征是以三角形为基本稳定单元，通过杆件主要承受轴向力（拉力或压力）的受力模式，能够充分发挥材料强度，在实现优异力学性能的同时达到最佳经济性。这种结构体系特别适合需要大跨度、轻量化设计的建筑与桥梁工程。

A truss is a highly efficient load-bearing system composed of straight members connected at joints. Its defining characteristic is the use of triangles as fundamental stable units. By having members primarily resist axial forces (tension or compression), the system fully utilizes material strength, achieving outstanding mechanical performance while maximizing economic efficiency. This structural system is particularly well-suited for buildings and bridges requiring long spans and lightweight design.

核心优势 | Core Advantages

材料高效 · 轻质高强

Material Efficiency Lightweight & High-Strength

在相同跨度与荷载条件下，桁架结构可比实腹梁节省30%-50%的材料用量。这种高效的材料利用源于其轴向受力机制，真正实现了“轻质高强”的结构设计理念，特别适用于对自重敏感的大跨度建筑。

Under equivalent span and load conditions, truss structures can reduce material usage by 30%-50% compared to solid-web beams. This efficient material utilization stems from their axial force mechanism, truly realizing the structural design philosophy of "lightweight yet high-strength," making them particularly suitable for long-span buildings where self-weight is a critical concern.

刚度卓越 · 变形可控

Excellent Stiffness Controllable Deformation

三角形单元的几何不可变性赋予桁架卓越的整体刚度。该体系能有效抵抗竖向与侧向变形，在风荷载、地震作用及移动荷载下表现出优异的稳定性，确保建筑使用的安全性与舒适性。

The geometric invariability of triangular units gives trusses exceptional overall stiffness. The system effectively resists vertical and lateral deformation, demonstrating excellent stability under wind loads, seismic actions, and moving loads, ensuring both safety and comfort in building use.

自重极轻 · 基础经济

Extremely Lightweight Economical Foundations

通过优化的杆件布置与截面设计，桁架结构能够显著降低自身重量。这不仅减少了材料消耗，更大幅降低了基础工程的规模与造价，在软土地基或高层建筑中体现尤为显著的经济优势。

Through optimized member arrangement and cross-sectional design, truss structures significantly reduce their own weight. This not only decreases material consumption but also substantially reduces the scale and cost of foundation works, offering particularly notable economic advantages in soft soil conditions or for high-rise structures.

经济优越 · 全周期价值

Economic Superiority Full Lifecycle Value

桁架结构在材料、运输、安装及维护各环节均具备成本优势。工厂预制缩短现场工期，标准化设计降低加工成本，耐久性减少维护费用，使其在全生命周期成本上展现出强大的市场竞争力。

Truss structures offer cost advantages at every stage: materials, transportation, installation, and maintenance. Factory prefabrication shortens on-site construction time, standardized design reduces fabrication costs, and durability minimizes maintenance expenses, giving them strong market competitiveness in terms of full lifecycle costs.



可持续性 · 绿色环保

Sustainability Green & Environmental

钢材的高回收率（接近100%）使桁架成为真正的绿色结构体系。其轻量化特点进一步降低了运输能耗，而长寿命与易维护性则减少了建筑全生命周期的资源消耗与碳足迹。

The high recyclability of steel (nearly 100%) makes trusses a genuinely green structural system. Their lightweight nature further reduces transportation energy consumption, while long service life and ease of maintenance decrease resource use and carbon footprint throughout the building's lifecycle.

核心优势 Core Advantages

典型应用 | Typical Applications

大跨度公共建筑

Long-Span Public Buildings

- 体育场馆、展览中心
Sports stadiums, exhibition centers
- 交通枢纽、机场航站楼
Transportation hubs, airport terminals
- 剧院、文化中心
Theaters, cultural centers

桥梁与交通工程

Bridges & Transportation Engineering

- 公路、铁路桥梁
Highway and railway bridges
- 人行天桥、景观桥
Pedestrian bridges, landscape bridges
- 输电塔、通信塔
Transmission towers, communication towers

工业与特种结构

Industrial & Special Structures

- 工业厂房起重机梁
Crane beams in industrial plants
- 大型设备支撑框架
Support frames for large equipment
- 舞台演艺临时结构
Temporary structures for stage performances



设计原理 | Design Principles

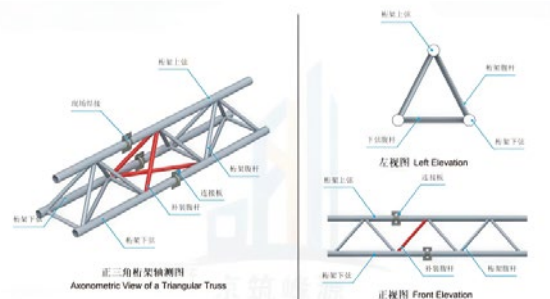
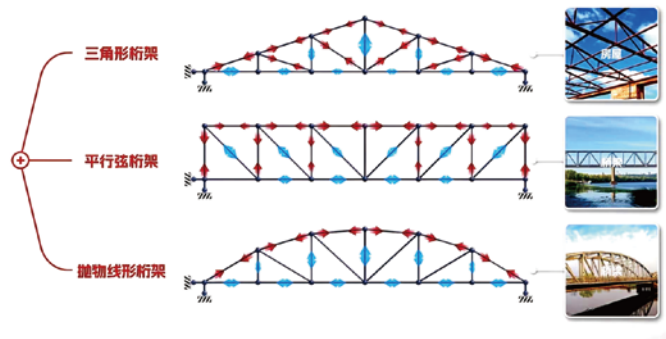
现代技术

Modern Technologies

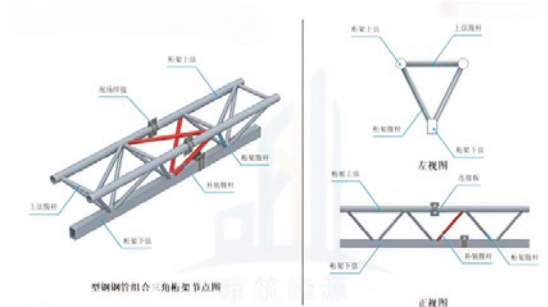
- 有限元与拓扑优化 | Finite element & topology optimization
- 变截面精准配置 | Precise variable-section configuration
- 三维形态优化 | 3D form optimization
- 共振规避设计 | Resonance avoidance design

霖柏建筑工程有限公司在桁架结构领域拥有丰富的设计、制造与施工经验，能够为客户提供从概念设计到竣工交付的全过程专业技术服务。

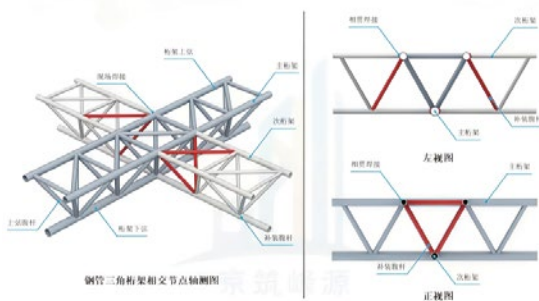
Linbo Construction Engineering Co., Ltd. possesses extensive experience in the design, fabrication, and construction of truss structures, offering clients comprehensive professional services from conceptual design through to project completion.



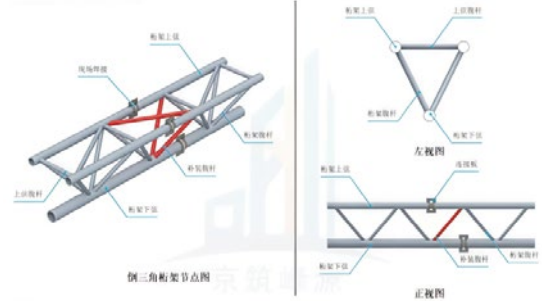
**Axonometric View of a T
riangular Truss**



**Detail Drawing of a Hybrid Steel
Section & Tube Triangular Truss Joint**



**Axonometric Drawing of an Intersecting
Joint in a Tubular Triangular Truss**



**Detail Drawing of an Inverted
Triangular Truss Joint**



工程案例

Project Portfolio



大王山冰雪世界钢结构工程

Steel Structure Project for the Dawang Mountain Ice & Snow World



湖南湘西自治州烟草公司体育馆
Gymnasium for the Tobacco
Company of Xiangxi Prefecture,
Hunan



郑州奥体中心
Olympic Sports Center,
Zhengzhou

钢结构桥梁

STEEL BRIDGES

钢结构桥梁是现代基础设施的卓越之选，完美融合了材料科学、工程力学与建筑美学。其核心优势源于钢材的优异性能与现代工业化建造方式，为跨越江河、连接城市、重塑景观提供了高效、可靠且充满可能性的解决方案。

Steel bridges represent the premier choice for modern infrastructure, seamlessly integrating material science, structural mechanics, and architectural aesthetics. Their core advantages stem from the superior properties of steel and contemporary industrialized construction methods, offering efficient, reliable, and visionary solutions for spanning rivers, connecting cities, and reshaping landscapes.

核心优势 | Core Advantages

高强高效 · 经济灵活

High Strength Economic Efficiency

钢材极高的强度重量比，使得桥梁构件能以更小的截面实现更大的跨度。这不仅显著降低了结构自重和基础造价，也使材料运输与工厂加工更为便捷，从源头上实现了成本优化与工期控制。

Steel's exceptional strength-to-weight ratio enables bridge components to achieve longer spans with more compact sections. This significantly reduces structural weight and foundation costs while facilitating easier material transport and factory fabrication, optimizing both cost and schedule from the outset.

安全耐久 · 性能可靠

Safety Durability Reliability

钢材优良的塑性、韧性与材质均匀性，赋予了桥梁卓越的抗震、抗疲劳及抵御动力荷载的能力。通过工厂化的精密制造与数字化管理，我们确保每一个构件的质量都具有高度的一致性与完整的可追溯性，为桥梁的百年寿命奠定坚实基础。

The excellent ductility, toughness, and homogeneity of steel grant bridges outstanding seismic resistance, fatigue performance, and capacity to withstand dynamic loads. Through precision factory manufacturing and digital management, we ensure the quality of every component exhibits high consistency and full traceability, laying a solid foundation for a century of service life.

快速建造 · 绿色可持续

Rapid Construction Green Sustainability

“工厂预制，现场装配”的模块化施工模式，能将现场工期缩短达30%-50%，极大减少了对施工现场及周边环境的干扰。钢材本身可100%回收循环利用，是全生命周期内真正的绿色建材，体现了对未来的责任。

The modular “factory prefabrication, on-site assembly” approach can shorten on-site construction time by 30%-50%, dramatically minimizing disruption to the worksite and surrounding environment. Steel is inherently 100% recyclable, making it a truly green building material throughout its entire lifecycle and reflecting our responsibility toward the future.

造型自由 · 适应性强

Design Freedom Adaptability

钢结构无与伦比的造型能力，使其能从经典的桁架、拱桥到现代的斜拉桥、悬索桥，完美实现从力学逻辑到艺术表达的跨越。它能灵活适应各种复杂地形、地质条件与功能需求，让每一座桥都成为独一无二的地标。

Steel's unparalleled form-giving capability allows it to perfectly realize the transition from mechanical logic to artistic expression, from classic trusses and arches to modern cable-stayed and suspension bridges. It flexibly adapts to complex terrains, geological conditions, and functional requirements, making each bridge a unique landmark.



精准分析 · 验证可靠 | Precision Analysis · Proven Reliability

规范是底线，分析是验证。我们通过全面的静动力荷载分析（涵盖恒载、活载、风荷载、地震作用、温度效应及偶然荷载），对结构行为进行全方位模拟与优化。这确保每一座桥梁的设计，都能从容应对自然与时间的考验。

While standards set the baseline, analysis provides verification. We conduct comprehensive static and dynamic load analyses (covering dead loads, live loads, wind loads, seismic actions, thermal effects, and accidental loads) to fully simulate and optimize structural behavior. This ensures every bridge design is prepared to withstand the tests of nature and time with confidence.

我们的专业承诺 | Our Professional Commitment

为确保桥梁在其全寿命周期内实现绝对安全与稳定，我们的设计流程严格遵循项目所在国家及地区的所有适用标准，以及项目所在地的相关地方规范。这不仅是对技术规范的恪守，更是我们“安全至上”工程哲学的根本体现。

To ensure absolute safety and structural stability throughout the entire service life of the bridge, our design process rigorously adheres to all applicable national and regional standards of the project's location, as well as relevant local regulations. This commitment goes beyond mere compliance with technical codes—it is a fundamental reflection of our “safety-first” engineering philosophy.



工程案例

Project Portfolio



长沙万家丽高架改造北延线钢箱梁、组合梁工程

Steel Box Girder & Composite Girder Project for the North Extension of Wanjiali Viaduct Renovation, Changsha

本项目是城市交通主干道升级改造的关键环节，涉及复杂交通流组织下的旧桥改造与新线延伸。我们为北延线提供了大跨度钢箱梁与钢-混凝土组合梁的综合解决方案。

This project was a critical component of upgrading a major urban arterial road, involving the renovation of an existing viaduct and the construction of a new northward extension amidst complex traffic conditions. We delivered an integrated solution utilizing long-span steel box girders and steel-concrete composite girders for the extension. The design prioritized rapid construction, minimizing traffic disruption, and ensuring synergistic load-bearing between new and existing structures. This approach enabled the safe, efficient, and high-quality expansion over a heavily congested existing roadway, significantly enhancing the capacity of the city's expressway network.

拱形波纹钢屋盖

ARCHED CORRUGATED STEEL ROOFS

拱形波纹钢屋盖（俗称“无梁拱”或“太空瓦”）是一种高效、经济的大跨度轻型屋面系统。该体系采用预加工成型的弧形波纹钢板，通过专用设备现场咬合拼接而成，形成连续、稳定的拱形受力壳体。

Arched corrugated steel roofs (commonly known as "beamless arches" or "space tiles") are an efficient, economical, and lightweight roofing system for large spans. The system utilizes pre-formed curved corrugated steel sheets, which are joined on-site using specialized locking equipment to create a continuous, stable arched load-bearing shell.

核心优势 | Core Advantages

自重极轻 · 结构高效

Extremely Lightweight Structurally Efficient

采用0.8-1.5mm厚高强度彩钢板，每平方米自重仅15-25kg，比传统混凝土屋面轻90%以上。无檩条无梁设计形成自支撑拱壳体系，充分利用材料强度与拱形效应的协同作用，结构效率提升40%以上。

Utilizing 0.8-1.5mm thick high-strength color-coated steel sheets, the system weighs only 15-25kg per square meter—over 90% lighter than traditional concrete roofs. The purlin-free and beam-free design forms a self-supporting arched shell system that fully leverages the synergy between material strength and arching effects, enhancing structural efficiency by more than 40%.

快速安装 · 工期缩短

Rapid Installation Schedule Compression

标准板宽300-600mm，长度定制可达40m，现场安装速度达800-1200m²/天，比传统钢结构屋面快60%。全机械化作业减少人工70%，交叉作业时间缩短50%，整体工期压缩40%以上。

With standard panel widths of 300-600mm and custom lengths up to 40m, on-site installation rates reach 800-1,200m² per day—60% faster than traditional steel roofing. Fully mechanized operations reduce labor by 70%, cut overlapping work time by 50%, and compress overall schedules by over 40%.

气密防水 · 性能卓越

Airtight Superior Waterproofing

采用360°机械咬合锁边技术，连接处形成连续密封，水密性达到ASTM E331 3000Pa标准。拱形曲面实现自然排水，排水坡度可达1:4，彻底消除积水隐患，并通过20000次热循环测试无渗漏。

Featuring 360° mechanical interlocking seam technology, connections form continuous seals with watertightness meeting ASTM E331 3000Pa standards. The arched curvature enables natural drainage with slopes up to 1:4, completely eliminating water ponding risks. The system has passed 20,000 thermal cycling tests with zero leakage.

超大跨度 · 空间自由

Super-Large Spans Spatial Freedom

最大无柱跨度可达40m，特殊设计可达60m，空间利用率提升30%。拱高跨比1:4至1:6，内部净空高度增加15-40%，完美适应仓储物流、体育场馆等大空间需求。

Maximum column-free spans reach 40m, with special designs extending to 60m, improving space utilization by 30%. The arch height-to-span ratio of 1:4 to 1:6 increases interior clear height by 15-40%, ideally suited for large-space applications such as warehouses and stadiums.

耐久防腐 · 维护极简

Durable Corrosion Resistance Minimal Maintenance

采用高强度彩钢板基材，经过镀层与涂层工艺处理，具备卓越的耐候性与抗腐蚀性能。表面可根据需求选配高性能涂层系统，长期保持外观品质。系统设计兼顾耐久性与维护便捷性，全生命周期维护成本显著低于传统屋面，实现长期可靠与经济性的统一。

Constructed with high-strength color-coated steel sheets, treated through advanced coating and finishing processes to deliver exceptional weather resistance and corrosion protection. High-performance coating systems are available as options to ensure long-term aesthetic preservation. The system is designed to balance durability with ease of maintenance, offering significantly lower lifecycle maintenance costs compared to conventional roofing, achieving an optimal blend of long-term reliability and cost-effectiveness.

节能环保 · 可持续强

Energy Efficient Highly Sustainable

白色涂层太阳反射率 ≥ 0.65 ，夏季室内温度降低5-8℃。回收利用100%，碳排放比混凝土结构减少65%。自然采光设计可节省照明能耗30%，综合节能率达25%以上。

White coatings provide solar reflectance ≥ 0.65 , reducing interior temperatures by 5-8°C in summer. 100% recyclable with 65% lower carbon emissions compared to concrete structures. Natural lighting designs save 30% on lighting energy, achieving overall energy efficiency exceeding 25%.

典型应用 | Typical Applications

工业与物流设施

Industrial & Logistics Facilities

- 单层厂房：跨度12-40m，檐高6-15m

Single-span workshops: 12-40m spans, eave height 6-15m

- 物流仓储中心：快速部署，月竣工面积可达20000m²

Logistics centers: Rapid deployment, up to 20,000 m² completion per month

- 冷链仓库：优异的气密性与保温性能

Cold storage: Excellent airtightness and thermal performance

农业与特种建筑

Agricultural & Specialized Structures

- 智能温室：透光率可调，配套自然通风系统

Smart greenhouses: Adjustable light transmission with natural ventilation

- 农机仓库：大跨度适应大型设备停放

Agricultural machinery storage: Large spans accommodate heavy equipment

- 粮食储备库：恒温防潮，储量提升20%

Grain silos: Constant temperature & moisture control, 20% increased capacity

体育与公共建筑

Sports & Public Buildings

- 训练馆：无柱空间满足多种运动场地需求

Training halls: Column-free spaces for multi-sport venues

- 游泳馆：卓越的防潮防腐性能

Natatoriums: Superior moisture and corrosion resistance

- 社区活动中心：经济快速的公共设施解决方案

Community centers: Cost-effective rapid public facility solutions

航空与应急设施

Aviation & Emergency Facilities

- 机库：快速启闭设计，维修空间最大化

Aircraft hangars: Rapid open/close design, maximized maintenance space

- 应急物资储备库：72小时内快速建成

Emergency supply depots: Constructed within 72 hours

- 灾后临时设施：可拆卸重复使用

Post-disaster temporary facilities: Dismountable and reusable

工期极短

Rapid Construction

成本可控

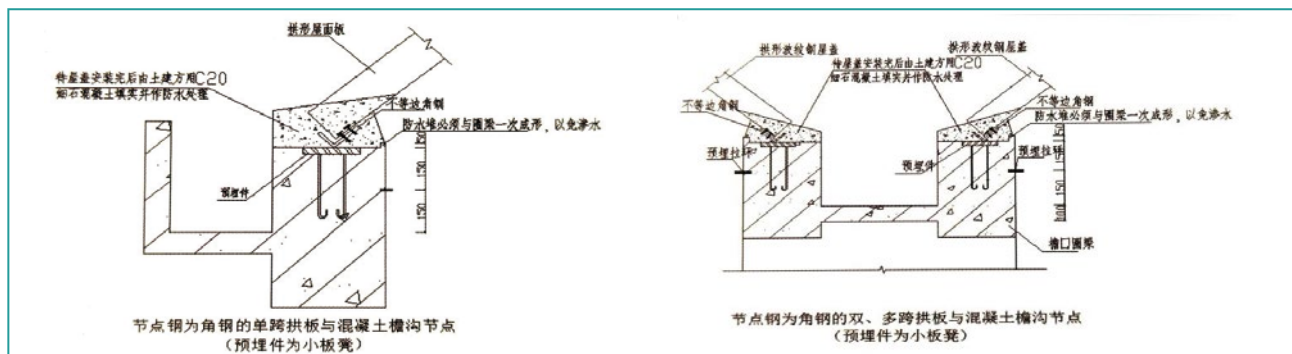
Controllable Cost

空间高效

Efficient Space Utilization



节点图示 | Joint Detail Drawing



拱脚连接图示 (1)
Arch Springing Connection Detail (1)



拱脚连接图示 (2)
Arch Springing Connection Detail (2)



屋面防水处理
Roof Waterproofing Treatment

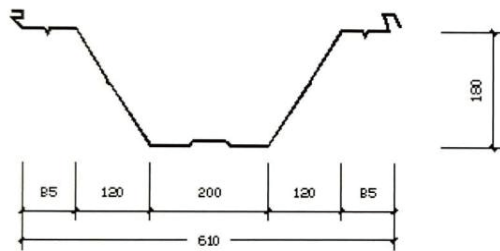


通风帽/山墙通风口
Ridge Ventilator / Gable End Louvre

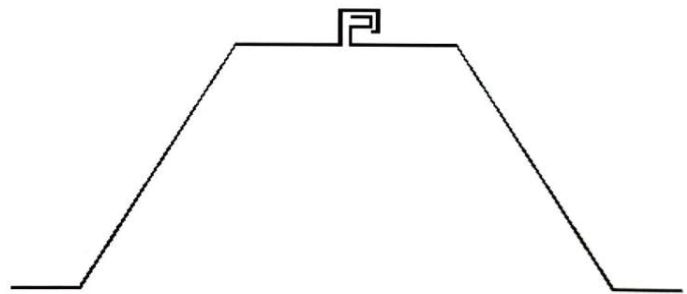


阳光板采光带

Polycarbonate Panel Daylighting Band



拱型屋面板截面图



板形锁扣示意图

拱型屋面板截面图

Sectional Drawing of
Arched Roof Panel

板形锁扣示意图

Schematic Diagram of Panel
Interlocking System



工程案例

Project Portfolio



湖南中烟公司吉首复烤厂仓库

Warehouse for Jishou Redrying Plant of China Tobacco Hunan Industrial Co., Ltd.



江西吉安物流仓库

Logistics Warehouse in Ji'an, Jiangxi

工程案例

Project Portfolio



深圳招商港务可移动式拱形波纹屋盖

Relocatable Arched Corrugated Steel Roof for China Merchants Port (Shenzhen)



新疆伊宁74团落地式无梁拱标准牛棚

Standard Beamless Arch Cattle Barn (Ground-mounted Type) for the 74th Regiment, Yining, Xinjiang



模块化打包箱系统

MODULAR PACKAGED HOUSE SYSTEM

模块化打包箱系统是基于集装箱结构理念的三维模块化集成建筑。以标准ISO集装箱尺寸为基本单元，在工厂内完成结构体、围护系统、内部装修、设备管线的全工序一体化集成制造，形成可独立使用的“空间产品单元”。现场仅需进行吊装、堆叠、连接即可快速形成完整建筑，实现了“建筑即产品”的工业革命。

The modular container-based system is a three-dimensional modular integrated building solution rooted in container structural principles. Using standard ISO container dimensions as basic units, it achieves full-process integrated manufacturing—including structure, envelope, interior finishes, and MEP systems—within the factory, creating independent "spatial product units." On-site work is limited to hoisting, stacking, and connecting, enabling rapid building formation and realizing the industrial revolution of "building as a product."

核心优势 | Core Advantages

极速部署 · 以天为单位的建筑革命

Rapid Deployment • Construction Revolution Measured in Days

- 工厂完成度95%+：建筑以“完工状态”出厂，现场工作量减少85%
95%+ Factory Completion: Buildings delivered in "ready-to-use" state, reducing on-site work by 85%
- 安装速度革命性提升：1000㎡建筑可在7-10天内完成从基础到入住
Revolutionary Installation Speed: 1000㎡ building can be completed from foundation to occupancy in 7-10 days
- 全天候施工能力：主要作业在工厂完成，不受天气影响
All-Weather Construction Capability: Main work completed in factory, unaffected by weather conditions

极致灵活 · 空间组合的无限可能

Ultimate Flexibility • Infinite Spatial Configurations

- 三维模块化组合：支持水平扩展、垂直堆叠（可达6-8层）、错位组合
3D Modular Combinations: Supports horizontal expansion, vertical stacking (up to 6-8 floors), and staggered configurations
- 功能快速转换：箱体单元可整体搬迁，实现功能空间跨项目复用
Rapid Functional Adaptation: Container units can be relocated intact, enabling functional space reuse across projects
- 动态适应性：可根据需求变化增减模块，建筑具备“生长”能力
Dynamic Adaptability: Modules can be added or removed as needs change, giving buildings "growth" capability

工业级品质 • 出厂即精品的可靠保障

Industrial-Grade Quality • Reliability Delivered from Factory

- 标准化精密制造：在受控环境中实现毫米级精度，质量一致性100%
Standardized Precision Manufacturing: Achieves millimeter-level accuracy in controlled environments with 100% quality consistency
- 全过程质量追溯：每个箱体拥有独立“数字身份证”，记录所有生产数据
Full-Process Quality Traceability: Each container has a unique "digital ID" recording all production data
- 性能稳定可靠：工厂化密封工艺确保气密性、水密性远超现场施工
Stable & Reliable Performance: Factory sealing processes ensure air/water tightness far exceeding on-site construction

绿色可持续 • 循环建筑典范

Full-Lifecycle Economics • Maximizing Investment Value

- 高循环利用率：钢结构主体100%可回收，箱体整体复用率可达90%
High Recycling Rate: Steel structure 100% recyclable, container reuse rate up to 90%
- 超低现场干扰：工厂生产减少90%现场建筑垃圾，噪音粉尘降低95%
Minimal On-Site Impact: Factory production reduces on-site construction waste by 90%, noise/dust by 95%
- 低碳足迹：全生命周期碳排放比传统建筑减少60%-70%
Low Carbon Footprint: Lifecycle carbon emissions reduced by 60%-70% compared to traditional buildings

全周期经济性 • 投资价值最大化

Industrial-Grade Quality • Reliability Delivered from Factory

- 总成本可控：规模化制造降低边际成本，预算偏差<3%
Controlled Total Cost: Economies of scale reduce marginal costs, budget deviation <3%
- 时间价值显著：提前投入使用创造额外收益，投资回收期缩短40%
Significant Time Value: Early occupancy generates additional revenue, investment payback period shortened by 40%
- 资产金融化：标准化产品便于资产评估、抵押和证券化
Asset Financialization: Standardized products facilitate asset valuation, mortgage, and securitization





应用场景 | Application Scenarios

医疗与应急领域

Medical & Emergency Applications

- 永久性模块化医院：多层病房楼、门诊中心、医技科室
Permanent Modular Hospitals: Multi-story ward buildings, outpatient centers, medical technology departments
- 高端应急设施：方舱医院、负压隔离病房、移动PCR实验室
High-End Emergency Facilities: Modular field hospitals, negative pressure isolation wards, mobile PCR labs
- 专业医疗空间：透析中心、口腔诊所、医美机构
Specialized Medical Spaces: Dialysis centers, dental clinics, medical aesthetics institutions

酒店与文旅产业

Hotel & Cultural Tourism Industry

- 中高端模块化酒店：度假酒店、精品民宿、主题客房
Mid-to-High-End Modular Hotels: Resort hotels, boutique homestays, themed rooms
- 文旅配套设施：悬崖酒店、树屋、生态营地、观景平台
Cultural Tourism Facilities: Cliffside hotels, treehouses, eco-camps, viewing platforms
- 服务综合体：游客中心、餐饮街区、文创空间
Service Complexes: Visitor centers, food & beverage districts, cultural creative spaces

商业与办公空间

Commercial & Office Spaces

- 快速部署商业体：品牌旗舰店、连锁展厅、银行网点
Rapidly Deployable Commercial Buildings: Brand flagship stores, chain exhibition halls, bank branches
- 创意办公园区：科创办公室、共享办公空间、研发中心
Creative Office Parks: Tech innovation offices, co-working spaces, R&D centers
- 商业综合体模块：商场扩建、电影院、健身中心
Commercial Complex Modules: Mall expansions, cinemas, fitness centers

教育与机构设施

Education & Institutional Facilities

- 永久性校舍：教室、实验室、图书馆、学生公寓
Permanent School Buildings: Classrooms, laboratories, libraries, student apartments
- 培训机构：企业培训中心、会议中心、考试场地
Training Institutions: Corporate training centers, conference centers, examination venues
- 公共机构：政务大厅、社区中心、文化站
Public Institutions: Government service halls, community centers, cultural stations

打包箱系列

Modular packaged house system

结构 | Structure

主要材料

Main Materials

地面:全部材料采用材质Q235B双面镀锌钢带压型

Floor: All materials use Q235B double-sided galvanized steel strip, profiled.

框架结构坚固稳定, 垂直方向可搭3层

墙板灵活拼接, 方便维修及维护, 为您节省后期成本

The frame structure is robust and stable, allowing vertical stacking of up to 3 floors.

Wall panels are flexible and can be spliced easily, facilitating convenient maintenance and repair, and saving you later-stage costs.

方案展示 | Scheme Display

功能间: 各种卫生间

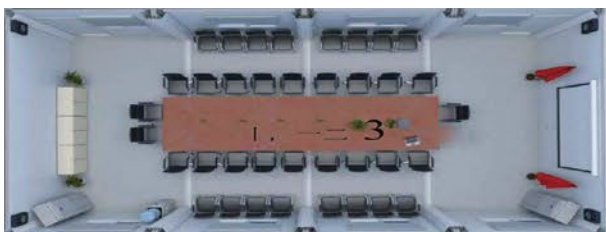
Functional Room: Various Types of Toilets





功能间：会议室

Functional Room: Meeting Room



- ✓ 多箱组成大会议室 Multiple boxes can form a large meeting room.
- ✓ 可设投影，音响设施 Can be equipped with projection and sound system facilities.
- ✓ 可接地插，网络多媒体 Can be fitted with floor sockets, network, and multimedia interfaces.

功能间：楼梯间

Functional Room: Staircase



功能间：闸机箱

Functional Room: Turnstile Box



工程案例

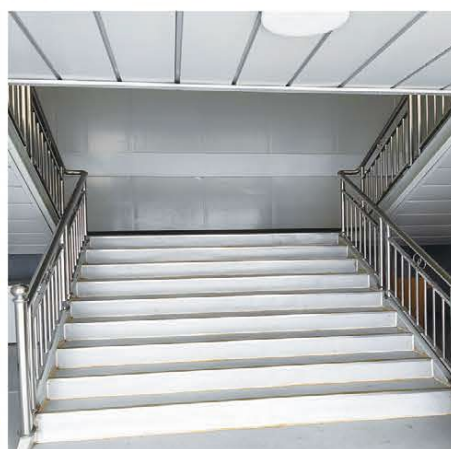
Project Portfolio





工程案例

Project Portfolio



活动板房

PREFABRICATED HOUSES & SITE ACCOMMODATION

活动板房是基于轻钢龙骨框架与复合板材围护的二维板式模块化系统。采用“构件化”生产模式，将建筑分解为梁、柱、墙板、屋面板等离散构件，在工厂预制后运至现场进行“搭积木”式组装。其核心定位是经济型快速临时建筑，在成本敏感的中短期应用中具有不可替代的价值。

The panelized light steel building system is a two-dimensional modular solution based on a light steel frame structure and composite panel enclosure. Adopting a "component-based" production model, it breaks down the building into discrete elements—beams, columns, wall panels, roof panels—that are factory-prefabricated and assembled on-site like building blocks. Its core positioning is as an economical rapid temporary building solution, offering irreplaceable value in cost-sensitive, medium- to short-term applications.

核心优势 | Core Advantages

极致经济 · 性价比最优选择

Ultimate Economy • Optimal Cost-Effectiveness

- 初始投资最低：在预制建筑体系中单方造价最具竞争力
Lowest Initial Investment: Most competitive cost per square meter among prefabricated building systems
- 规模化成本优势：大批量项目边际成本递减效应显著
Economies of Scale: Significant marginal cost reduction for large-scale projects
- 灵活预算控制：可根据不同预算选择材料配置等级
Flexible Budget Control: Material configuration levels can be selected according to different budgets

快速响应 · 规模化部署能力

Rapid Response • Large-Scale Deployment Capability

- 供应链成熟：标准构件全国现货供应，供货周期 < 7天
Mature Supply Chain: Standard components available nationwide, supply cycle < 7 days
- 大批量建设能力：单项目可同时展开10,000m²以上建设
Mass Construction Capability: Single project can simultaneously construct over 10,000m²
- 简单基础要求：对场地适应性极强，甚至可直接放置硬化地面
Simple Foundation Requirements: High adaptability to site conditions, can even be placed directly on hardened ground



设计灵活 · 空间适应性广

Design Flexibility · Wide Spatial Adaptability

- 平面布局自由：不受固定模数限制，可实现大跨度空间
Free Floor Plan Layout: Unconstrained by fixed modules, enabling large-span spaces
- 易改造扩建：可局部拆除、加建，适应功能变化需求
Easy Modification & Expansion: Can be partially dismantled or extended to accommodate functional changes
- 高度可调节：檐口高度可在2.4-6.0m间灵活设计
Adjustable Height: Eave height can be flexibly designed between 2.4-6.0m

物流高效 · 运输成本最优

Logistics Efficiency · Optimal Transportation Costs

- 装载效率极高：散件运输充分利用车辆空间，物流成本降低30%
High Loading Efficiency: Bulk transportation maximizes vehicle space utilization, reducing logistics costs by 30%
- 道路适应性好：适用于限高、限宽的特殊运输路段
Good Road Adaptability: Suitable for special transport routes with height and width restrictions
- 多点并发配送：可同时向多个项目点分发材料
Multi-Point Concurrent Delivery: Materials can be distributed to multiple project sites simultaneously

简易复用 · 短期项目首选

Easy Reuse · Preferred for Short-Term Projects

- 拆装简便：普通工人经简单培训即可操作
Simple Disassembly & Assembly: Can be operated by general workers with minimal training
- 部分构件可复用：主体钢结构可重复使用3-5次
Partial Component Reusability: Main steel structure can be reused 3-5 times
- 低损耗搬迁：整体搬迁材料损耗率<8%
Low-Loss Relocation: Material loss rate for complete relocation <8%



应用场景 | Application Scenarios

工程建设领域

Construction Engineering Sector

- 大型工人生活区：千人以上宿舍、食堂、淋浴综合体
Large Worker Accommodations: Dormitories for 1000+ workers, canteens, shower complexes
- 临时生产设施：钢筋加工棚、搅拌站、预制构件场
Temporary Production Facilities: Steel processing sheds, mixing stations, precast component yards
- 项目配套设施：安全体验馆、样板展示区、物料仓库
Project Support Facilities: Safety experience halls, sample display areas, material warehouses

应急与救灾安置

Emergency & Disaster Relief

- 紧急大规模安置：灾后过渡性安置社区（数百至上万套）
Emergency Large-Scale Settlement: Post-disaster transitional settlement communities (hundreds to tens of thousands of units)
- 应急物资仓储：救灾物资储备库、分发中心
Emergency Material Storage: Disaster relief material warehouses, distribution centers
- 基础应急设施：临时指挥点、基础医疗点
Basic Emergency Facilities: Temporary command posts, basic medical stations

产业与仓储空间

Industrial & Storage Spaces

- 季节性生产车间：农产品加工、节日用品生产
Seasonal Production Workshops: Agricultural product processing, festive goods production
- 物流中转设施：快递分拣中心、临时仓储
Logistics Transfer Facilities: Express delivery sorting centers, temporary storage
- 设备防护棚：机械设备存放、维修车间
Equipment Protection Sheds: Machinery storage, maintenance workshops

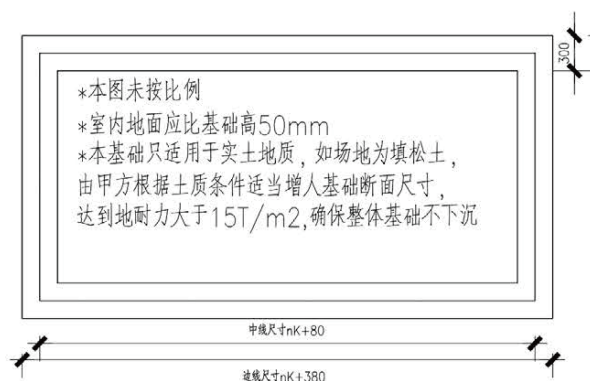
基础商业与市集

Basic Commerce & Markets

- 夜市经济设施：小吃摊位、小商品集市
Night Market Facilities: Snack stalls, small commodity markets
- 季节性商业点：旅游季商铺、节庆活动摊位
Seasonal Commercial Points: Tourist season shops, festival activity stalls
- 基础服务网点：便民服务点、早餐亭、报刊亭
Basic Service Outlets: Community service points, breakfast kiosks, newspaper stands

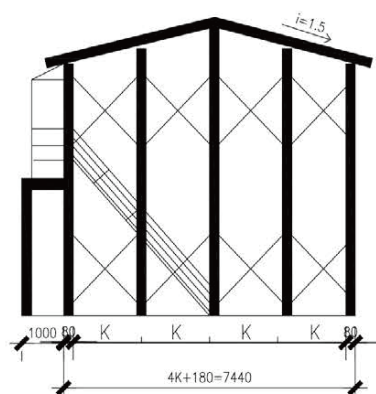
坡顶房与平顶房技术参数 MODEL(1)

TECHNICAL SPECIFICATIONS: PITCHED ROOF & FLAT ROOF MODEL (1)

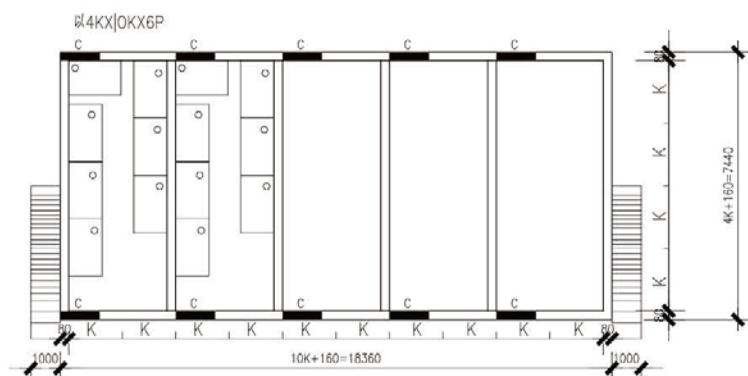


- This drawing is not to scale.
- The indoor floor should be 50mm higher than the foundation level.
- This foundation design is only applicable to solid soil geology. If the site is on loose filled soil, the Party A (Client) shall appropriately increase the foundation cross-section dimensions according to the soil conditions to achieve a ground bearing capacity greater than 15T/m², ensuring the overall foundation does not settle.

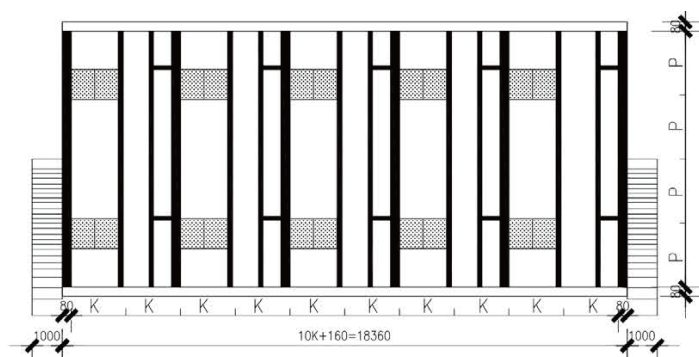
NKxm板房基础图 NKxm Prefabricated House Foundation Drawing



侧立面图 Side Elevation



平面布置图 Layout Plan

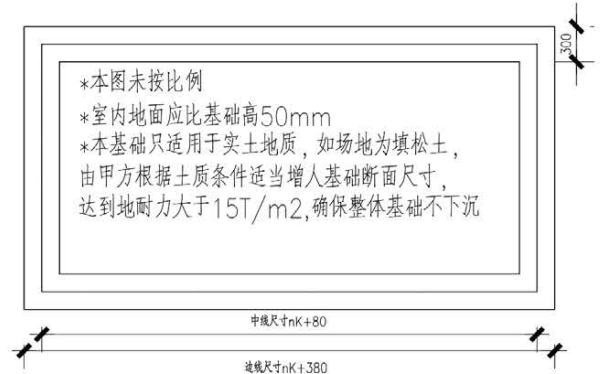


前立面图 Front Elevation

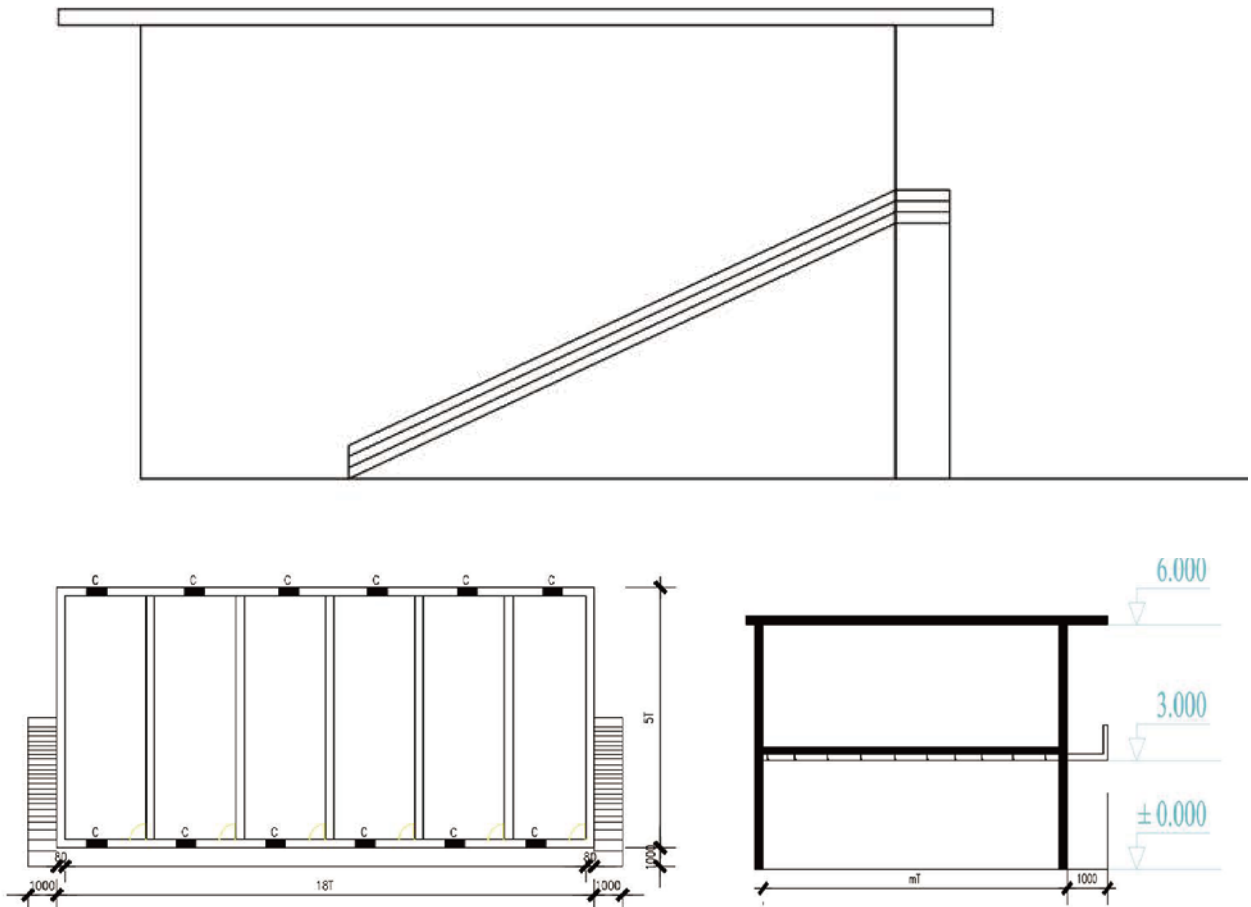
坡顶房与平顶房技术参数 MODEL(2)

TECHNICAL SPECIFICATIONS: PITCHED ROOF & FLAT ROOF MODEL (2)

- This drawing is not to scale.
- The indoor floor should be 50mm higher than the foundation level.
- This foundation design is only applicable to solid soil geology. If the site is on loose filled soil, the Party A (Client) shall appropriately increase the foundation cross-section dimensions according to the soil conditions to achieve a ground bearing capacity greater than 15T/m^2 , ensuring the overall foundation does not settle.



mT*nT板房基础图 mT*nT Prefabricated House Foundation Drawing





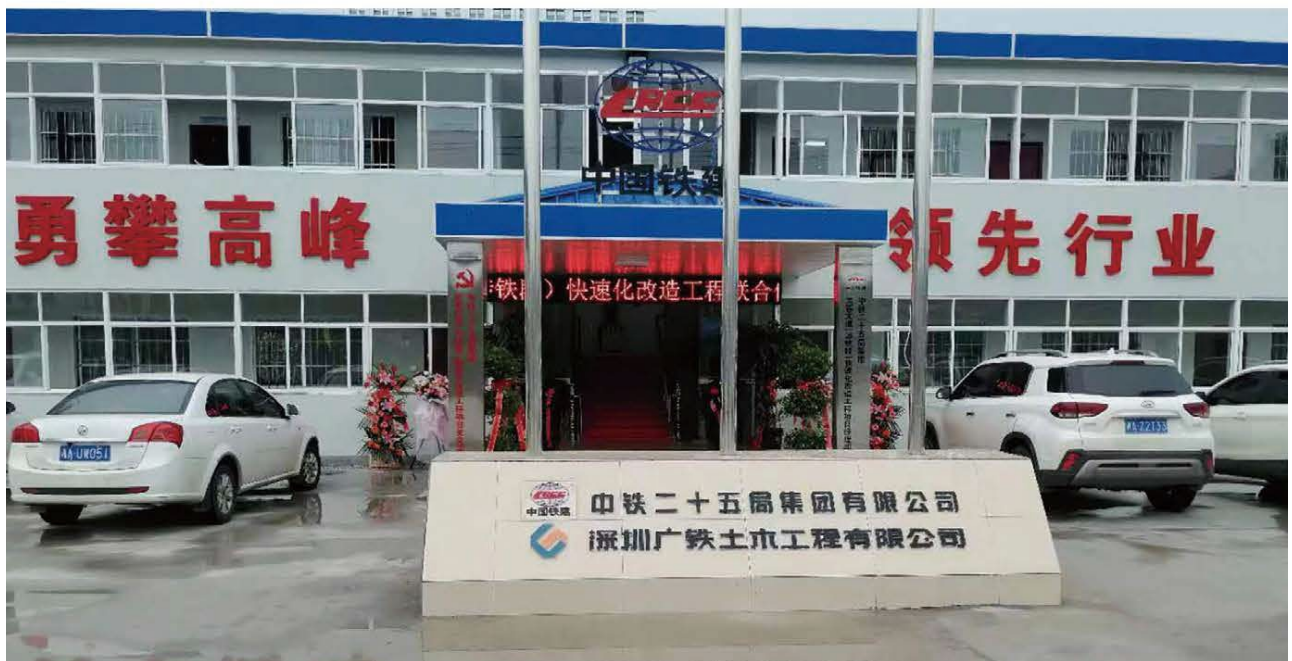
工程案例

Project Portfolio



工程案例

Project Portfolio





选择指南

Selection Guide

选择模块化打包箱系统，当您需要：

Choose Modular Container-Based System When You Need:

- 快速获得高品质空间——项目对建筑品质、舒适度有较高要求

Rapid acquisition of high-quality space—Project demands higher building quality and comfort

- 中长期使用需求——使用周期超过3年，考虑资产长期价值

Medium to long-term usage needs—Service life exceeds 3 years, considering long-term asset value

- 复杂功能集成——需要完善的机电、智能化、精装系统

Complex functional integration—Requires complete MEP, intelligent systems, and finished interiors

- 品牌形象展示——建筑外观代表企业或项目形象

Brand image presentation—Building appearance represents corporate or project image

- 快速投资回报——需要建筑尽早投入运营产生收益

Rapid return on investment—Requires early building occupancy for revenue generation

- 场地条件受限——现场作业时间、空间、环境受限

Constrained site conditions—Limited on-site work time, space, or environmental factors

选择活动板房系统，当您需要：

Choose Panelized Light Steel System When You Need:

- 极致成本控制——预算严格受限，追求最低单方造价

Extreme cost control—Strictly limited budget, pursuing lowest cost per square meter

- 超大规模快速部署——需要短期内建成数万平米临时设施

Ultra-large-scale rapid deployment—Need to construct tens of thousands of square meters of temporary facilities in short time

- 简单临时用途——基础遮风避雨功能，对舒适度要求不高

Simple temporary use—Basic shelter functions, low comfort requirements

- 短期灵活使用——使用周期1-3年，可能频繁搬迁

Short-term flexible use—1-3 year service life, potential for frequent relocation

- 简单场地条件——基础处理简易，甚至无需永久基础

Simple site conditions—Easy foundation treatment, may not require permanent foundations

- 标准化批量需求——大量重复的标准单元需求

Standardized batch requirements—High demand for repeated standard units





咨询与支持 | Consultation & Support

霖柏建筑工程有限公司提供免费的方案咨询服务，帮助您根据具体需求选择最合适的建筑系统。我们的专业团队将为您提供：

Linbo Construction Engineering Co., Ltd. provides free solution consultation services to help you select the most suitable building system based on specific needs. Our professional team will offer:

需求分析与场景匹配

Neds Analysis
Scenario Matching

成本效益对比测算

Cost-Benefit
Comparative Calculation

技术方案优化建议

Technical Solution
Optimization Recommendations

项目实施规划指导

Project Implementation
Planning Guidance

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创新驱动发展 · 合作实现共赢

THROUGH INNOVATION WE GROW · THROUGH PARTNERSHIP WE THRIVE



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