

志特集团

股票代码: SZ 300986

运营总部: 粤港澳大湾区-广东中山翠亨新区和清路13号志特新材科技园

华南基地一: 广东省江门市开平翠山湖科技园

华南基地二: 广东省惠州市产业转移工业园

华东基地一: 江西省抚州市广昌县工业园区

华东基地二: 福建省福州市闽清县白中工业园区

华中基地: 湖北省咸宁高新技术产业开发区

华北基地: 山东省潍坊市临朐铝模板产业园

西南基地: 重庆市潼南高新区现代制造产业园

西北基地: 甘肃省定西市安定区循环经济园区

海南基地: 海南省临高县金牌港开发区

海外基地: 马来西亚森美兰州

服务热线: 400-069-1399

全国销售热线: 0794-3633 999

GETO Group

Headquarters:

Greater Bay Area—No. 13 Heqing Road, Tsuihang New District, Zhongshan City, Guangdong Province

Southern China Production Base I :

Cuishan Lake Science and Technology Park, Kaiping, Jiangmen City, Guangdong Province

Southern China Production Base II :

Huizhou Industrial Transfer Industrial Park, Huizhou City, Guangdong Province

Eastern China Production Base I :

Guangchang Industrial Park, Fuzhou City, Jiangxi Province

Eastern China Production Base II :

Baizhong Industrial Park, Minqing, Fuzhou City, Fujian Province

Central China Production Base:

Hi-tech Industry Development Zone, Xianning City, Hubei Province

Northern China Production Base:

China Aluminium Industrial Park, Linqu, Weifang City, Shandong Province

Southwest China Production Base:

Modern Manufacturing Industrial Park, Tongnan High-Tech District, Chongqing City

Northwest China Production Base:

The Circular Economy Park, Anding District, Dingxi City, Gansu Province

Hainan Production Base:

Gold Medal Port Industrial Park, Lingao County, Hainan Province

ASEAN Production Base:

Negeri Sembilan, Malaysia

GETO INDIA

Regd. Off: C/703, RAAS, VU, Thakur Village, Kandivali East, Mumbai 400101

Operational Office: 8/11 Row House, Suncity Bungalows Shelter Heights, Suncity Rd,

Vasai West, Maharashtra 401202

Mobile: +91 7738091831, +91 9699173295

Email: skp@oxygreen.in; samit@geto.com.cn

Sales Hotline: 0086-760-88589004

E-mail: geto_market@geto.com.cn



www.getoformwork.com

20230501V1



单侧支撑模板

SINGLE-SIDE WALL FRAMEWORK

经济 | 高效 | 安全 | 环保

High Economic | High Efficiency | Safety | Environmental-Friendly

公司介绍

Company Profile

志特新材是一家专注于新型建筑铝模、爬架、装配式PC构件,业务涵盖民建及公建领域的A股上市公司(股票代码:SZ 300986),公司从江西广昌革命老区起步,运营总部设在粤港澳大湾区腹地广东中山翠亨新区,产品畅销海内外全球30多个国家和地区。

华南生产基地分别位于广东江门、惠州,华东生产基地位于江西广昌,华中生产基地位于湖北咸宁,华北生产基地位于山东潍坊,西南生产基地位于重庆潼南,西北生产基地位于甘肃定西,海南自贸港装配式建筑基地位于临高金牌港,海外基地设在马来西亚森美兰州。公司是行业内率先实现规模化、专业化、智能化,专注模架、装配式系统研发、设计、生产、租售、技术服务为一体的首批特级资质企业,竭诚为客户提供超预期的优质服务。

公司产品涵盖铝合金标准层模板、地下室模板、变化层模板、屋面层模板、防空鼓装修模板、一体化隧道模板、爬架、爬模、塔式支撑、盘扣、单边支撑、悬挑等全系列模架产品,以及装配式构件产品的生产、供应,实现了“1+N”一站式服务战略模式落地。

未来,我们将以精进多年的信息化为依托,运用行业大数据、人工智能和物联网技术,打造全产业链生态圈系统,积极推动传统建筑向绿色智慧建筑革新转型。

GETO New Material is an A-share listed company (stock code: SZ 300986) focusing on new-type aluminium building formwork, self-climbing platform, and assembly precast concrete(PC) components, with civil and public construction fields covered. The company was established in Guangchang, an old revolutionary base in Jiangxi Province. Its global management headquarters was set up in Tsui Hang, a new district of Zhongshan in Guangdong Province, with the Greater Bay Area as its back-land. Our products are sold well in over 30 countries and regions around the world.

GETO Group has its Southern China production base located in Jiangmen and Huizhou of Guangdong Province, Eastern China production base in Guangchang, Jiangxi Province, Central China production base in Xianning, Hubei Province, Northern China production base in Weifang, Shandong Province, South-Western China production base in Tongnan, Chongqing Province, and North-Western China production base in Dingxi, Gansu Province. GETO Group also has its prefabricated construction base in Lingao Jinpai Port, a free-trade port in Hainan, and its ASEAN (Association of South East Asian Nations) production base in Negeri Sembilan of Malaysia. GETO is one of the first batch of super-qualified enterprises in the industry to realize scale, specialization, and intelligence, focusing on research and development, design, production, lease and sales, and technical services of aluminium formwork and assembly system. We are dedicated to offer high-quality products above expectation to our clients.

The products of our company include aluminium formwork system (for typical floors, basements, non-typical floors and roof floor), anti-hollowing formwork, integrated tunnel formwork, self-climbing platform, climbing formwork, tower-type scaffolding, ring-lock scaffolding, single-side wall framework, cantilever and other full range of formwork, scaffolding and precast component products, realizing the “N+1” one-stop solution service strategy.

With continuously improved information system we have from the past, we will initiate the industrial big data, artificial intelligence and IoT (Internet of Things) technologies to form omni-channel supply chain ecosystem in future. We actively promote innovation in transforming the conventional construction industry into a green and smart one.

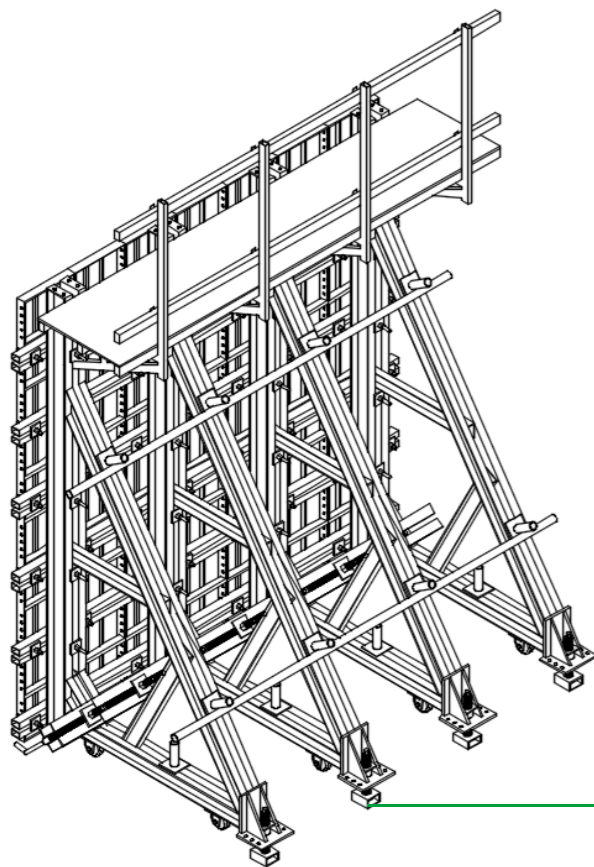
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PRODUCT INTRODUCTION
产品介绍

01



单侧支撑模板
SINGLE-SIDE WALL FRAMEWORK

- 单侧支撑模板是针对地铁车站、地下室外墙等防水要求高, 无法使用螺杆对拉加固, 必须采取单侧支设模板, 浇筑混凝土时一侧支模为施工方法的模板系统。

Single-Side Framework is catered for casting building structures that have strict waterproofing demand and unable to be strengthened by using tie-rod system, such as railway stations and external wall of basements. Due to certain unique characteristics, these structures need to be casted by single sides.

- 传统的三角桁架式单侧支撑模板, 可根据机械及场地适用情况可采用塔吊、汽车吊、人力推行、轨道行进等方式进行架体移动与周转。

The conventional triangular truss type single-side wall framework can be moved and turned over by using tower crane, mobile crane, manpower push, truck moving or other methods, based on machinery and site applicability.



塔吊
TOWER CRANE



汽车吊
MOBILE CRANE



人力推行
MANPOWER PUSH



轨道行进
TRUCK MOVING

- 志特通过分析市场动态和调研客户意向, 同时充分考虑综合成本、产品高周转率、施工便利性、不同应用场景等因素, 成功研发更符合实际施工要求和绿色建筑发展趋势的轻量化单面模支架体系——铝梁式单侧支撑模板。

In the process of launching single-side framework, GETO fully consider relevant integrative factors include cost, product turnover rate, operational convenience and applicability to different situation. After conducting a thorough market trend analysis and customer purchase intention research, GETO successfully developed a lightweight single-side wall framework that is more adhere to realistic construction requirements and green building development trend - Aluminium beam type single-side framework.



低综合成本
Integrated Cost



高周转率
HIGH TURNOVER RATE



施工便利
EASY-TO-OPERATE



多应用场景
MULTIPLE APPLICABILITY

- 以上单侧支撑模板系统适用于浇筑高度≤7.5米的结构类型。

This type of single-side framework is applicable to building structures with casting height that is less or equivalent to 7.5m.

PRODUCT CATEGORY

产品分类

02

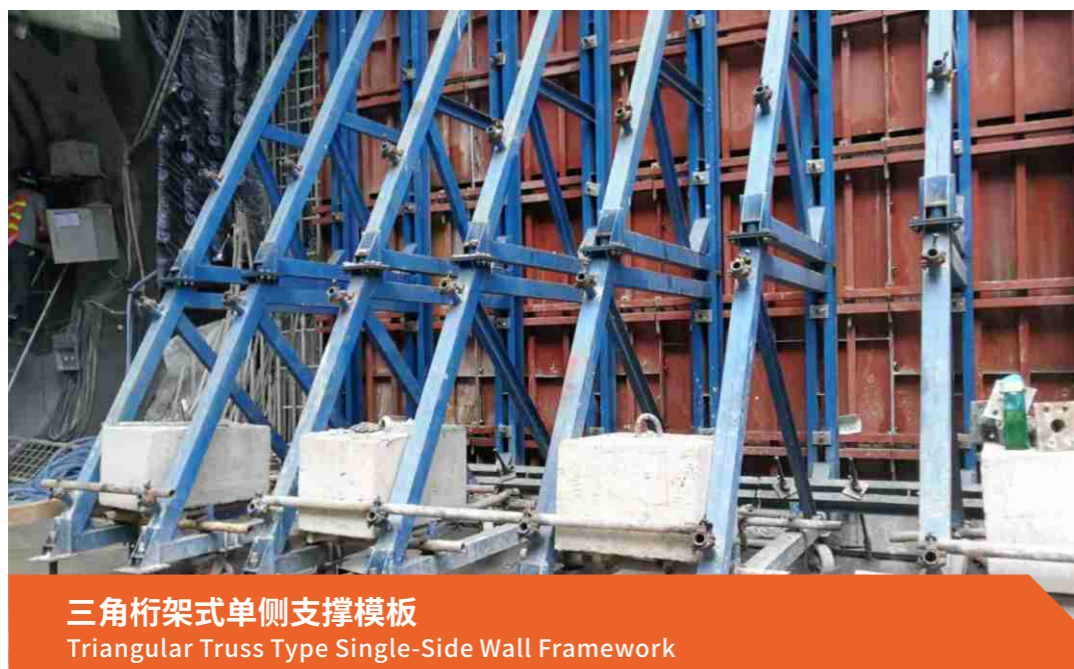
COMPETITIVE ADVANTAGES

优势对比

03



铝梁式单侧支撑模板
Aluminium Beam Type Single-Side Wall Framework



三角桁架式单侧支撑模板
Triangular Truss Type Single-Side Wall Framework

	铝梁式单侧支撑模板 Aluminium Beam Type Single-Side Wall Framework	三角桁架式单侧模板 Triangular Truss Type Single-Side Wall Framework
架体样式 Framework Pattern		
适用单面墙高度 Applicable Single-Side Wall Height	3.0m及以下 3.0m and below	3.0m - 7.5m
布置间距 Layout Spacing	600mm	800mm
铝件重量 Weight of Aluminium Components	16.92kg	-
铁件重量 Weight of Steel Components	106.15kg	208.37kg
是否需要背楞 Waler in Need	否 No	是 Yes
架体总重量 Total Weight of the Framework	125.35kg	208.37kg
优点 Advantages	<ul style="list-style-type: none"> ① 单侧模板架体较轻, 仅为三角桁架式单侧模板重量的60%, 可以实现人工移动或搬运; ② 材料重复利用率高, 部分材料可周转到其他施工场景; ③ 材料成本相对更低; ④ 铝合金残值率高; ⑤ 人工操作少, 施工更安全; ⑥ 符合环境友好型建筑要求。 <p>① The framework has lighter weight. Its weight is only 60% of the weight of the triangular truss single-side framework, which can be manually moved or lifted;</p> <p>② High reuse rate of material, with part of the product materials can be turned over to other construction sites for use;</p> <p>③ Lower material cost;</p> <p>④ Aluminium components has higher scrap values;</p> <p>⑤ Less labor works and safer operation;</p> <p>⑥ Compliant with environmental-friendly building requirements.</p>	<ul style="list-style-type: none"> ① 架体整体性强 (大部分架体在厂内焊接); ② 现场装拆的构件少, 施工效率较高; ③ 稳定的架体结构, 受力性能更好。 <p>① Overall framework is strong, with majority of the components welded in a factory;</p> <p>② Less works for installation and dismantlement, contributing to higher working efficiency on site;</p> <p>③ Stable frame structure with better mechanical performance.</p>

Product Introduction

Product Category

Competitive Advantages

Construction Flow

Material Composition

Project Case

产品介绍

产品分类

优势对比

施工流程

材料组成

工程案例

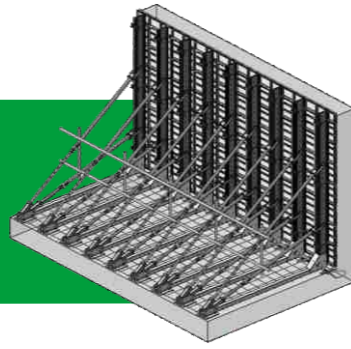
FRAMEWORK CONSTRUCTION FLOW

施工流程

04

铝梁式单侧支撑模板-安装施工方法

Aluminium Beam Type Single-Side Wall Framework Installation and Operational Method

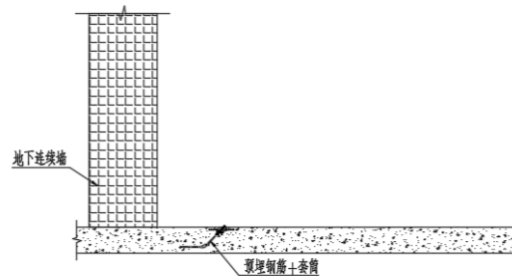


• 安装流程 INSTALLATION FLOW

Step 1:

浇筑基础底板, 在对应位置预埋好锚固螺栓;

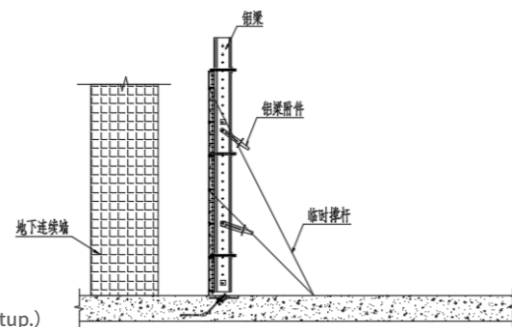
Cast the base plate and embed the anchor bolts at corresponding positions



Step 2:

安装墙板及铝梁、铝梁 (安装墙板前涂刷脱模剂, 支设模板时应边临时采用钢管固定);

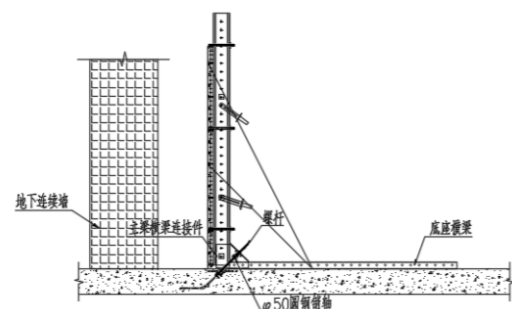
Install wall panel and aluminium beam. (Apply mold release agent prior to wall panel installation. Temporarily use steel pipe to fix the framework during the setup.)



Step 3:

安装主梁横梁连接件和底座横梁;

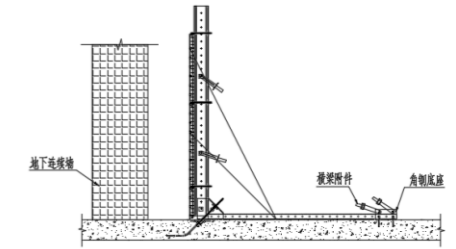
Install connecting components between main beam and horizontal beam, as well as base horizontal beam.



Step 4:

安装底座横梁的角钢底座及横梁;

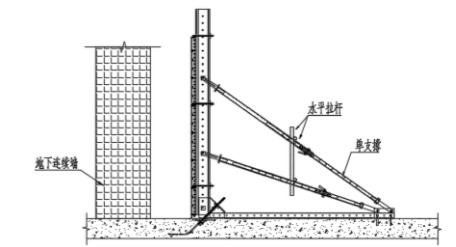
Install horizontal beam, and corner steel base of the base horizontal beam.



Step 5:

安装单支撑及水平拉杆;

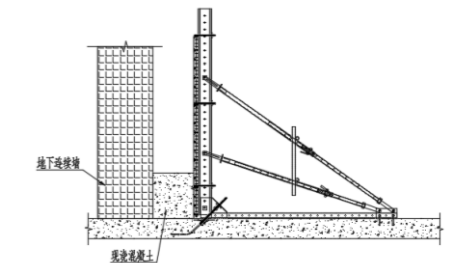
Install single props and horizontal rods.



Step 6:

调校垂直度, 检查预埋件紧固后浇筑混凝土。

Adjust the straightness of the framework. Cast concrete after the embedded components are fully-tightened.



• 拆除流程 DISMANTLEMENT FLOW

工具准备: 锤子、钩子、撬棍、扳手、图纸

Tools to be prepared: Hammer, Hook, Crowbar, Spanner, Construction Drawings

Step 1:

外墙混凝土浇筑完24小时后 (混凝土强度达到50%以上), 先拆除水平拉杆, 再松动单支撑、横梁的角钢底座, 后松动埋件部分;

After concrete cast for external wall is completed by 24 hours (Concrete strength has reached over 50%), dismantle the horizontal rods, loosen the single props, corner steel base plate of horizontal beam, and loosen the embedded parts.

Step 2:

拆除各个部件的连接螺栓和销轴, 并分类码放;

Dismantle the connecting bolts and pins of every component, and keep them according to their respective classification code;

Step 3:

拆除墙板, 根据具体的方案进行材料转运;

Dismantle the wall panels, and transfer the materials by specific solution plans;

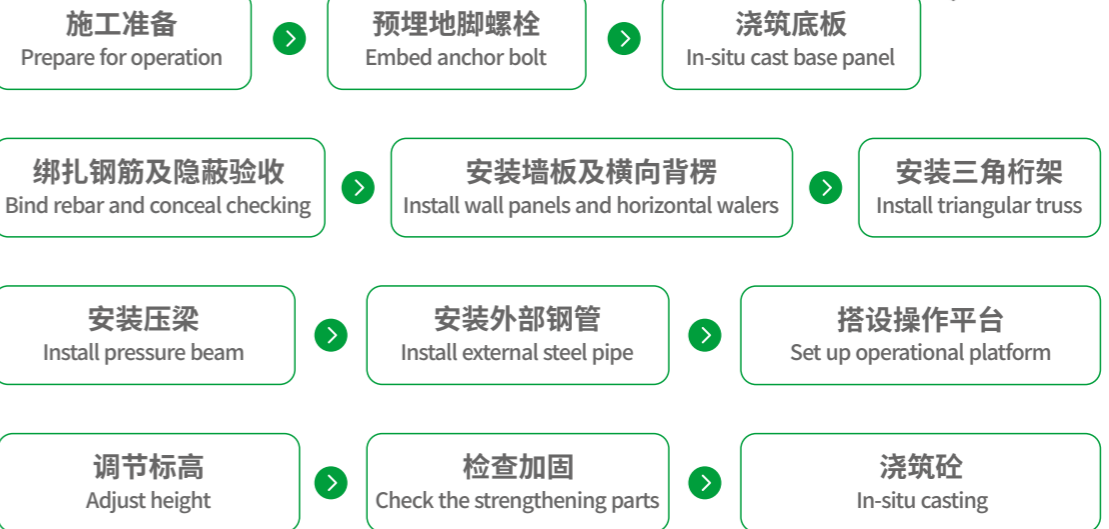
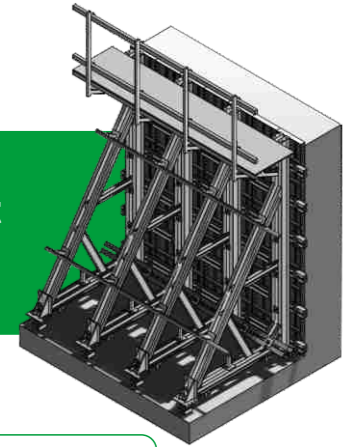
Step 4:

拆模后进行混凝土的养护工作, 及时涂刷养护剂, 冬季施工时墙体注意保温, 防止墙体产生裂缝导致渗水。

After the framework is dismantled, maintenance of the concrete is carried on with the curing agent applied in time. For the construction during winter times, the concrete wall should be kept warm to avoid water leakage resulted from wall cracks.

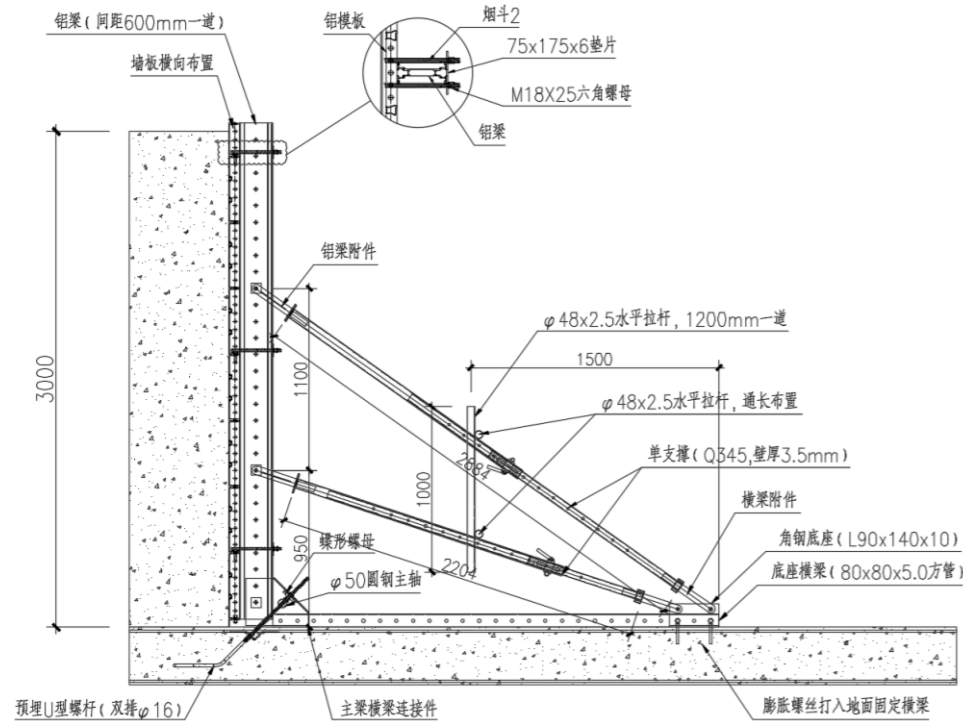
三角桁架式单侧支撑模板-安装施工方法

Triangular Truss Type Single-Side Wall Framework Installation and Operational Method

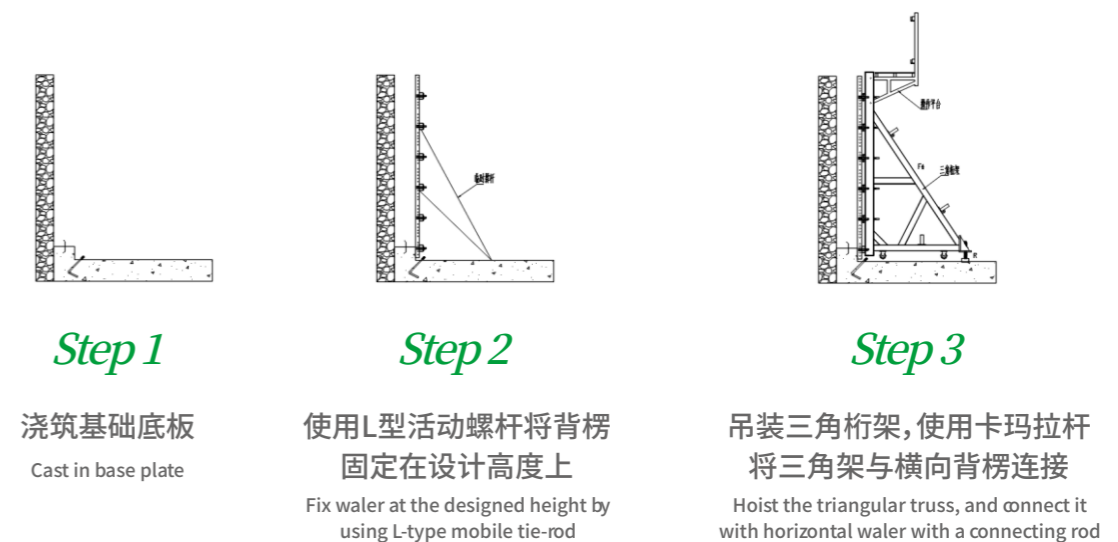


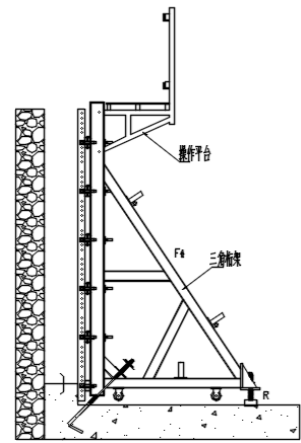
铝梁式单侧支撑模板平面图

Floor Plan of Aluminium Beam Single-Side Wall Framework



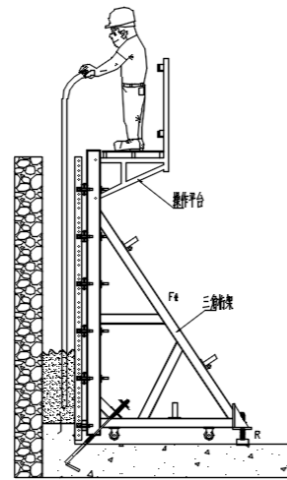
• 安装流程 INSTALLATION FLOW





Step 4

安装三角桁架底部压梁,
安装压梁后安装外部水平钢管
Install the base pressure beam of triangular truss,
and then install external horizontal steel pipe



Step 5

调校垂直度
Adjust the verticality

• 拆除流程 DISMANTLEMENT FLOW

工具准备: 锤子、钩子、撬棍、扳手、图纸

Tools to be prepared: Hammer, Hook, Crowbar, Spanner, Construction Drawings

现场设备: 塔吊或吊车

On-Site Equipment: Tower crane or mobile crane

Step 1:

外墙混凝土浇筑完24小时后(混凝土强度达到50%以上),
先松动支架后支座, 后松动埋件部分

After 24 hours upon completion of external wall casting (concrete strength reach over 50%),
loosen the bracket and rear support before loosening the embedded part.

Step 2:

彻底拆除埋件部分, 并分类码放

Dismantle the embedded part totally and arrange them by categories

Step 3:

分片整体退模, 根据具体的方案进行材料转运, 通常采用吊车
将模板吊运至下一节施工段

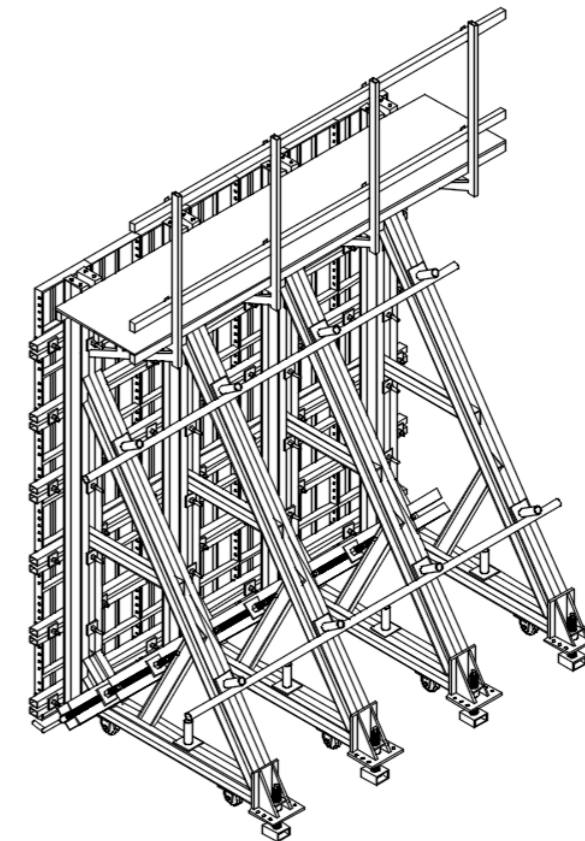
Dismantle complete framework by pieces, and the material is transferred based on specific solution plans.
The framework is usually hoisted by a crane to the next construction section.

Step 4:

拆模后进行混凝土的养护工作, 及时涂刷养护剂, 冬季施工时墙体注意保温,
防止墙体产生裂缝导致渗水

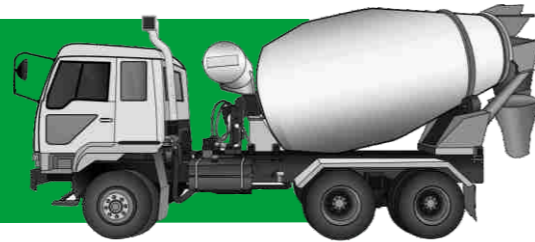
After the framework is dismantled, maintenance of the concrete is carried on with the curing agent applied in time.
For the construction during winter times, the concrete wall should be kept warm to avoid water leakage resulted from wall cracks.

三角桁架式单侧支撑模板立体图 3D Plan of Triangular Truss Type Single-Side Wall Framework



单侧支撑模板浇筑注意事项

Attention Details for Single-Side Wall Framework Casting



1 控制浇筑速度, 避免涨模

Control the speed of casting to prevent bulging.

2 建议分段浇筑和对称浇筑, 有利于控制模板走位, 提高混凝土成型质量

Suggest to cast by sections with leveraging, as to fix the position of the framework and increase the casting quality of the concrete outcome.

3 建议分层浇筑, 有利于混凝土中气体排出, 减少出现混凝土表面的蜂窝麻面的情况

Suggest to cast by levels, as to assist the elimination of gas in concrete and reduce the occurrence of honeycomb phenomena on the concrete surface.



安装中
INSTALLATION



浇筑效果
CASTING EFFECT

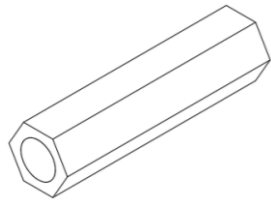
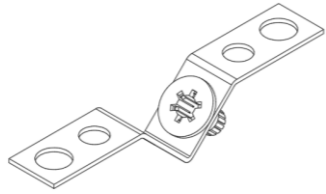
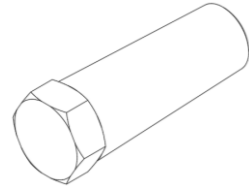
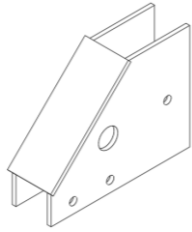
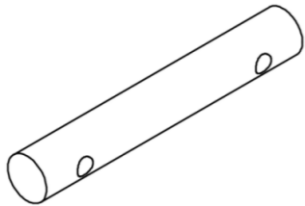
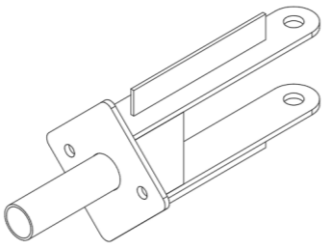
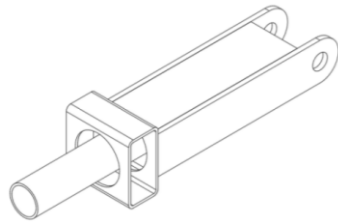
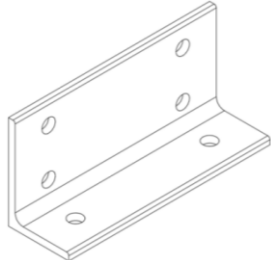
MATERIAL COMPOSITION

材料组成

铝梁式单侧支撑模板 Aluminium Beam Type Single-Side Wall Framework	
 <p>H×B=200×80mm, L=3000mm</p> <p>铝梁 Aluminium Beam</p>	 <p>内管: Φ48×3500mm, 外管: Φ60×3500mm, 插销: Φ16mm Internal tube: Φ48×3500mm, External tube: Φ60×3500mm, Round pin: Φ16mm</p> <p>单支撑 Prop</p>
 <p>80×80×5.0mm 矩形管 80×80×5.0mm Square tube</p> <p>底座横梁 Base Horizontal Beam</p>	 <p>U型螺杆 (双Φ16) U-type tie rod (Double Φ16)</p> <p>锚固螺杆 Anchor Screw</p>
 <p>M16</p> <p>蝶形螺母 Wing Nut</p>	 <p>M16×400</p> <p>M16螺杆 M16 Tie-Rod</p>

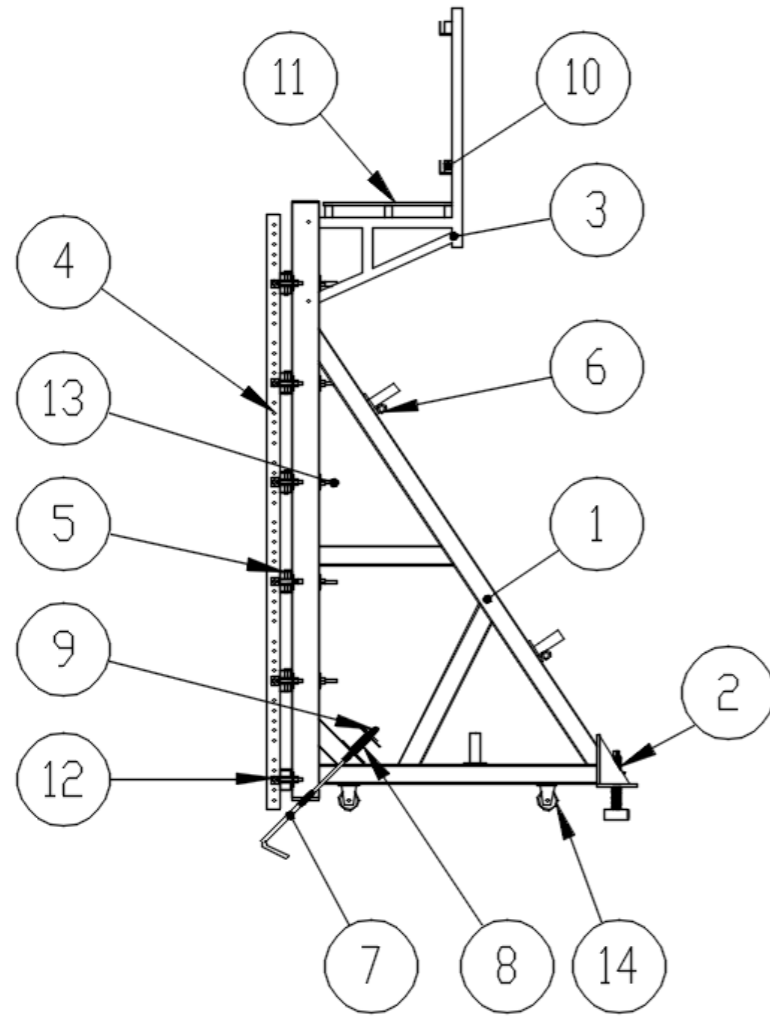
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M16x100 M16x100六角螺母 M16x100 Hexagonal Nut	V型拉桿支架 V-Type Tie-Rod Bracket
	
预埋螺桿套筒 Embedded Tie-Rod Sleeve	主梁橫梁連接件 Connecting Accessory for Main Beam and Horizontal Beam
	
圓鋼主軸 Round Steel Spindle	鋁梁附件 Aluminium Beam Attachment
	
橫梁附件 Horizontal Beam Attachment	角鋼底座 Corner Steel Base Plate

	
烟斗2 Tie-Rod for Waler 2	墊片 Washer
	
M18x25 M18x25六角螺母 M18x25 Hexagonal Nut	銷軸 Pin
	
R型銷 R-Type Pin	六角螺絲、螺母 Hexagonal Screw & Nut
	
φ48x2.5 水平拉桿 Horizontal Rod	旋轉扣件 Swivel Clamp

三角桁架式单侧支撑模板
Triangular Truss Type Single-Side Wall Framework



- ① 单侧支架
Single-Side Support
- ② 调节螺母
Adjustment Nut
- ③ 平台支架
Platform Support
- ④ 铝模板
Aluminium Framework
- ⑤ 横向背楞
Horizontal Waler
- ⑥ 水平拉杆
Horizontal Rod
- ⑦ 地脚螺栓
Anchor Bolt
- ⑧ 压梁
Pressure Beam
- ⑨ 螺母、垫片
Nut & Gasket
- ⑩ 方木栏杆
Square Wood Railing
- ⑪ 木胶板
Plywood Panel
- ⑫ L型活动螺栓
L-Type Mobile Bolt
- ⑬ 卡玛拉杆
Connecting Rod
- ⑭ 万向轮
Universal Wheel

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台湾单侧支撑模板测试项目

Single-Side Wall Framework Testimonial Project in Taiwan, China



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