

PTH

Double-Layer Light Steel Villa in New Caledonia

1. Project No. : PT190124
2. Project Date : Year 2019
3. Location : New Caledonia
4. Scale : 105m²*4
5. Category : light steel villa
6. Function : Residential
7. Characteristics : Double-layer light steel villa suitable for family living, strong in earthquake resistance and wind resistance.



PROJECT DESIGN



PTH owns 100+ architect and engineers at home and abroad, to provide customized design service for client with different requirements. We use the relevant information data of construction projects as the basis of the model to build the building model, and simulate the real information of the building through digital information simulation.

At present, we have finished the Revit research and development of company's products, laying a solid foundation to finish design effectively and accurately and also presenting details and three dimensional effects of our company's products to customers.

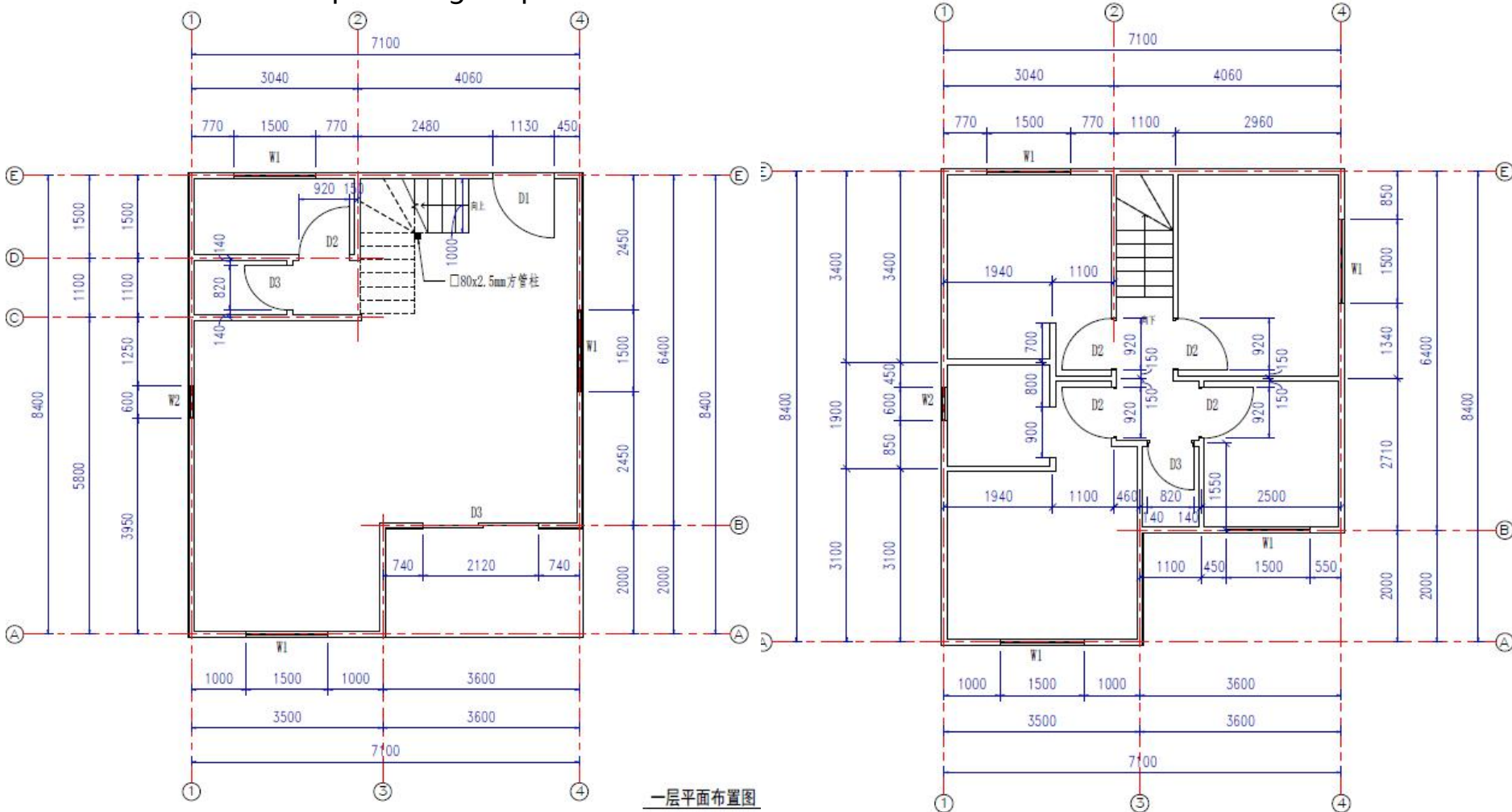
Project characteristics :

The project is 4 sets of two-floor private residential projects with an area of 105 square meters. In this project, our company needs to provide light steel frames, stairs and stair handrails for each house, 12mm OSB panels on the outside wall, and 18mm OSB panels on the floor.

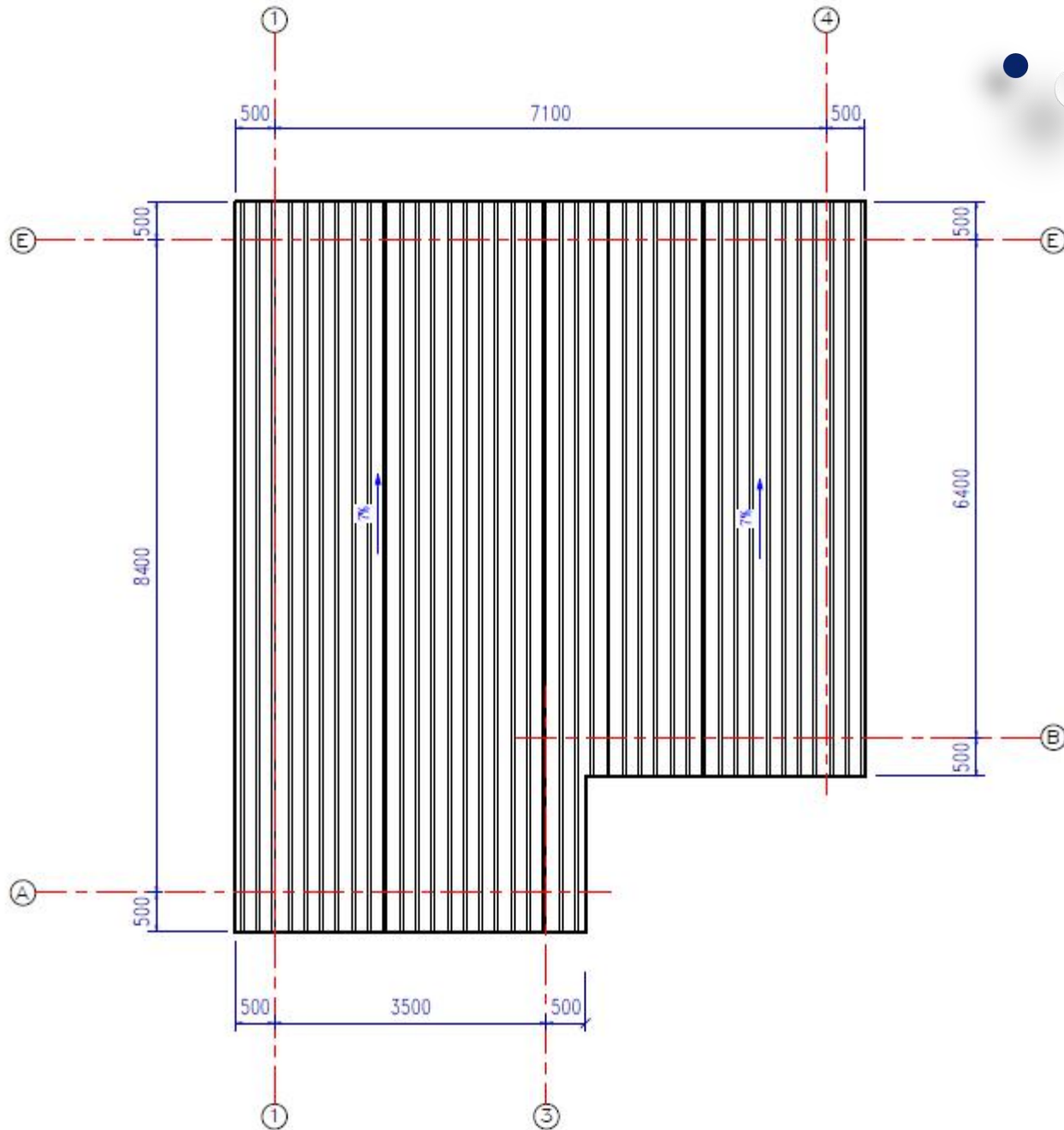
The frame adopts light steel keel system, and the inside and outside walls adopt 89 series light steel keel, the material is G550 (aluminum zinc AZ150g/m²).

DESIGN

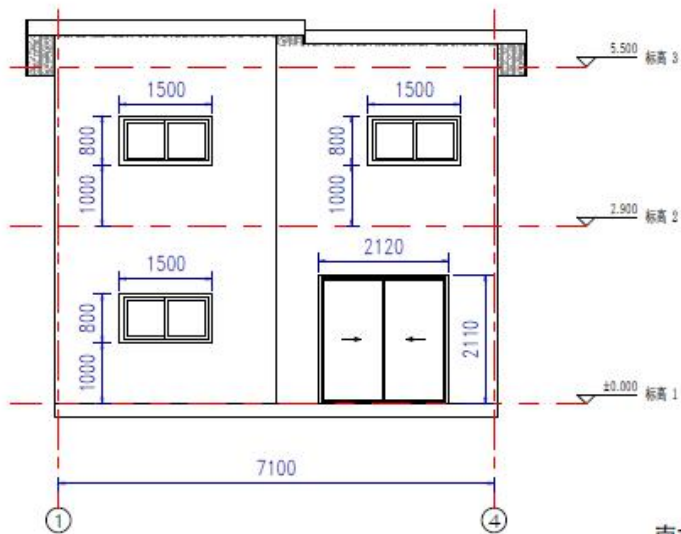
The preliminary design is made in accordance to client' s requirement and local building code. After getting the permission by local authority, PTH will do the shop drawing for production.



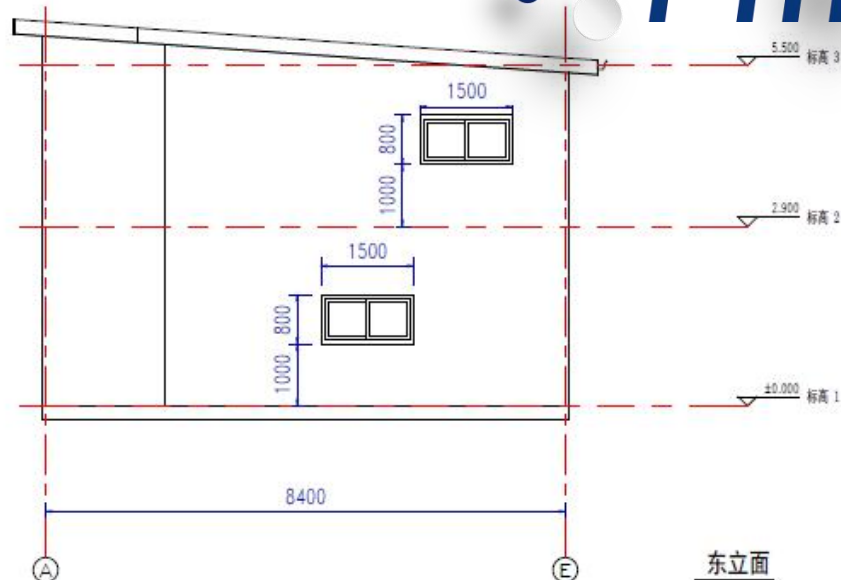
DESIGN



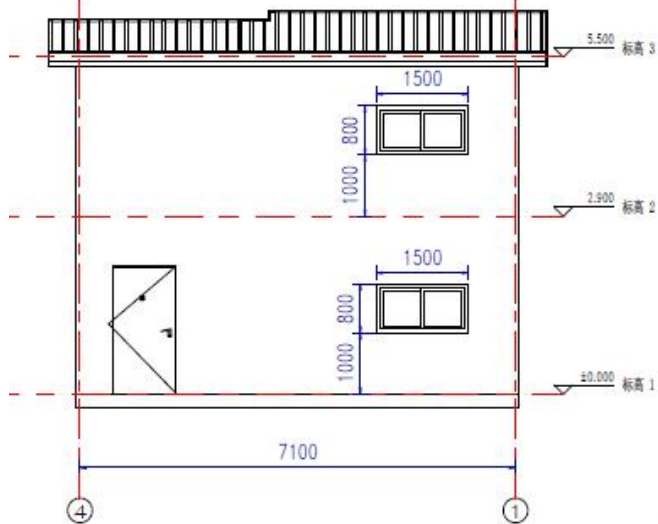
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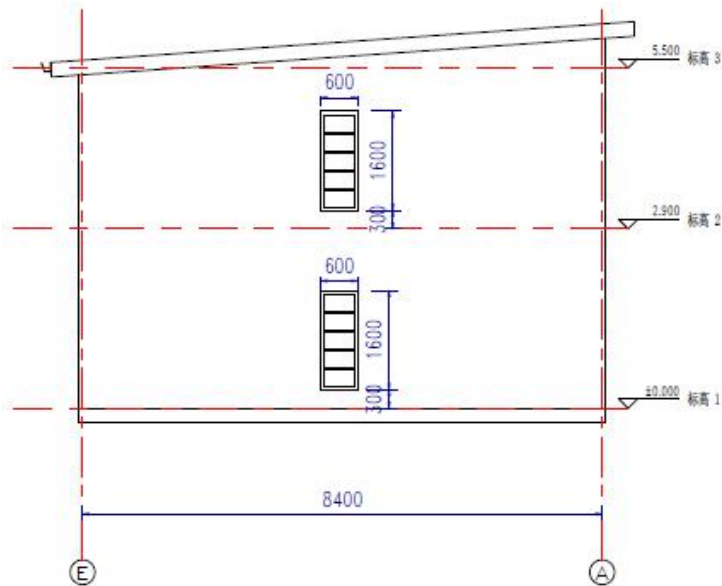
南立面



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DESIGN



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PRODUCTION & DELIVERY



PROCUREMENT :

PTH has a mature procurement supply chain, including product raw materials, kitchen and bathroom accessories, home equipment and other supporting facilities. Each year, PTH conducts quality assessments of suppliers, resolutely rejects unqualified suppliers, and guarantees the quality of products from the source.

PRODUCTION :

PTH owns hundreds of fully automatic mechanized production lines, which ensures high production efficiency and timely delivery. In the manufacturing process, PTH can provide production progress reports to customers through pictures and video. PTH has a professional quality inspection team which takes strict quality control in each process, and make sure defect product never be delivered to client.

TRANSPORTATION :

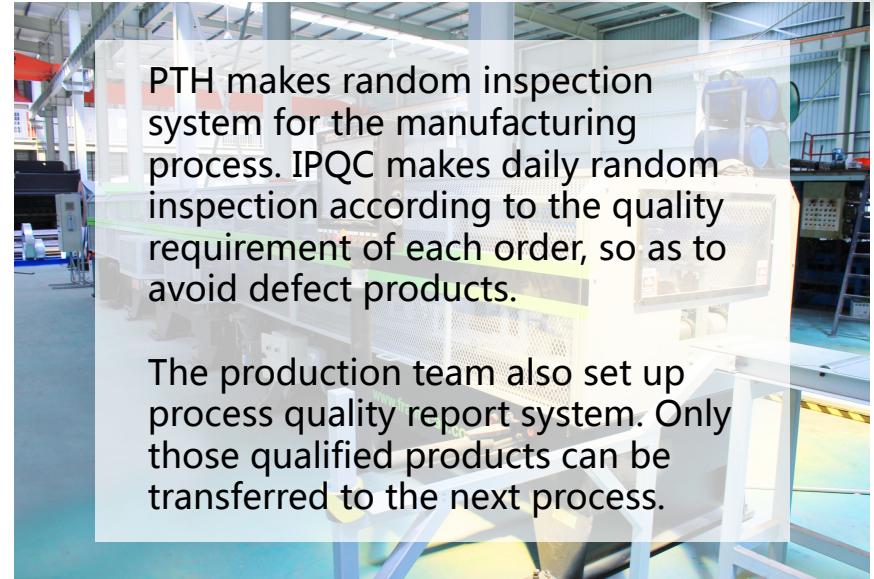
PTH, who has more than 20 years of international logistics experience. can provide customers with the best transportation routes, customs declaration, commodity inspection and other services, and truly realizes "door to door."



Quality is the life of a enterprise and the foundation of sustainable development. PTH strictly follows the ISO9000 quality system and make quality control in each process from material procurement to finish product delivery.

For the outsourcing raw material and accessories, it is reported to the ICQC team for inspection. ICQC will inspect according to "Raw Material Inspection Regulations" , make sure the material technical specs and quality meets GB standard, then upload the inspection record, QC document and test report to ERP system.

PRODUCTION PICTURES



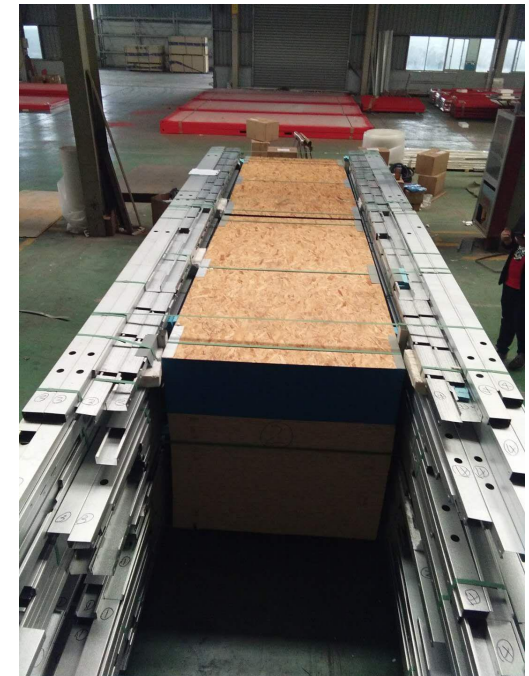
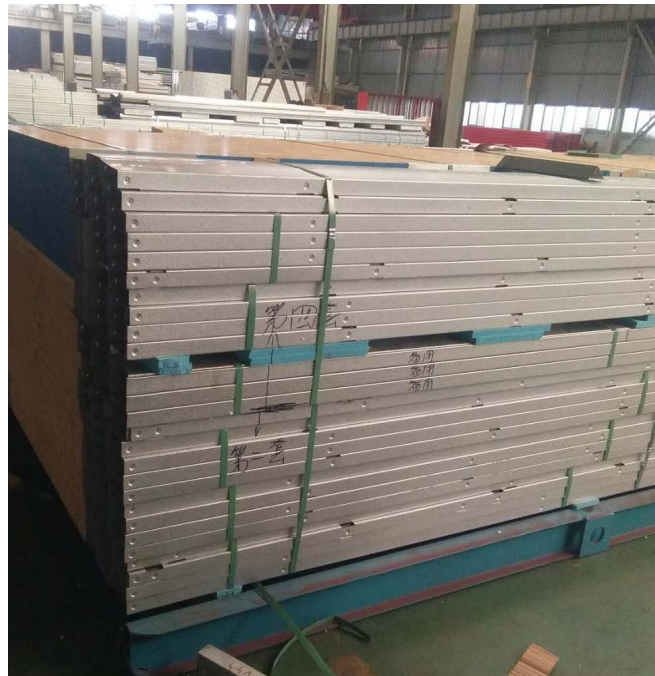
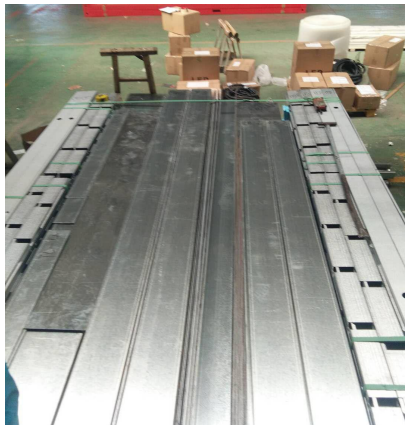
PTH makes random inspection system for the manufacturing process. IPQC makes daily random inspection according to the quality requirement of each order, so as to avoid defect products.

The production team also set up process quality report system. Only those qualified products can be transferred to the next process.



PACKAGE & LOADING

PTH designs reasonable packaging solutions based on product structure characteristics/customer quality requirements. A total of one 40ft high cabinet and one 20ft flat cabinet are used to transport the project. PTH makes the most reasonable package plan according to the structure characteristics and quality requirement. The modular package design of the spare part effectively reduce the package volume. The spare parts of each module is packed in a separate package, these small package modular combination ensures a easy transportation and installation, which in return makes the loading and unloading much easier, and greatly reduces labor cost.



INSTALLATION



PTH will provide complete and detailed installation drawings for the product. PTH has professional photography and post-production personnel who can provide installation videos for the product and intuitively demonstrate the installation steps and installation details of the product.

PTH owns on-site installation guidance experience for dozens of projects such as Mozambican light steel villa resorts, Chilean container camps, etc. It can provide EPC construction services and technical guidance according to the needs of customers to ensure the smooth and safe construction of the houses required by customers and realize real "Check-in".

Local installation



URL : www.pthouse.com / www.putianhouse.com
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CLIENT FEEDBACK



We use BIM system to manage and operate the whole project. For the maintenance, PTH provide online technical support or maintenance service on the site per client requirement. The customer had some problems with the light steel part during the installation process, which has been resolved and made them overall satisfied.

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