

**PTH**

## **New Zealand Light Steel Villa**

- 1. Project No. : PTP6V073**
- 2. Date : Year 2014**
- 3. Location : New Zealand**
- 4. Scale : 119m<sup>2</sup>**
- 5. Category: light steel villa**
- 6. Function : Residential villa**
- 7. Characteristics : High-end light steel villa that meets Australian import standards**



# DESIGN

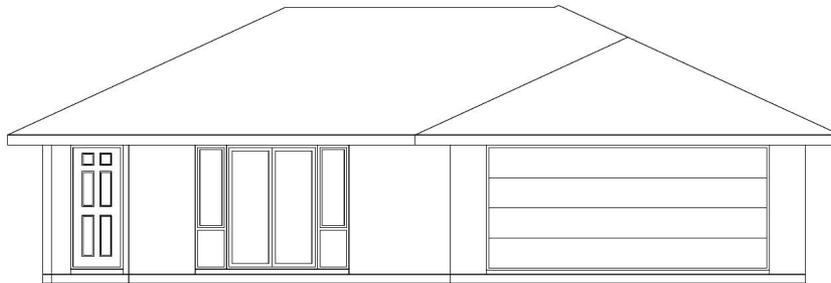
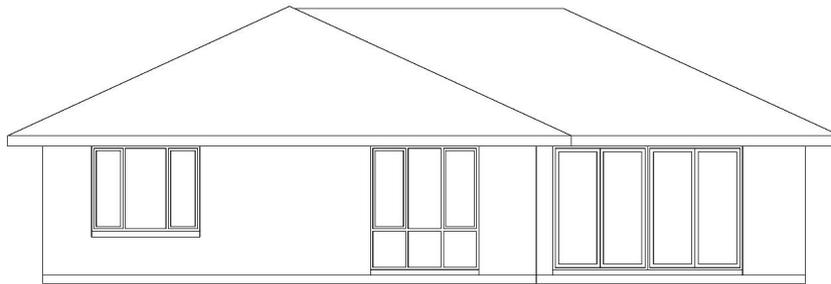
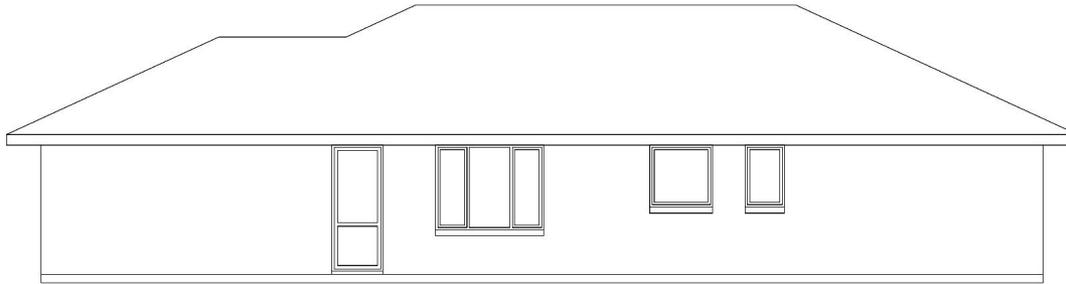
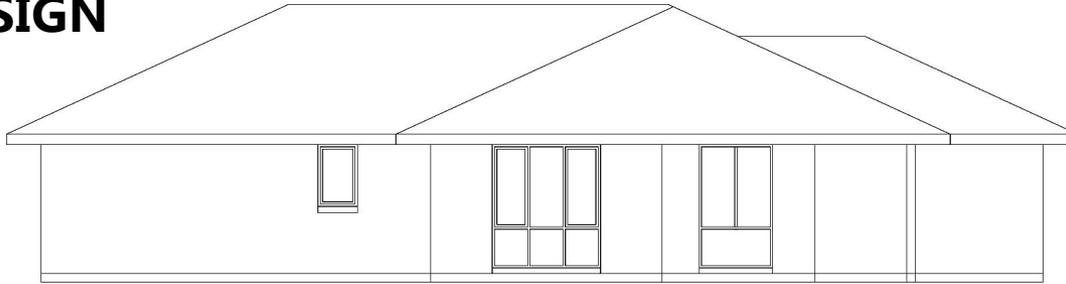


PTH owns 100+ architect and engineers at home and abroad, to provide customized design service for client with different requirements. We use the relevant information data of construction projects as the basis of the model to build the building model, and simulate the real information of the building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

**Project Features:** This project is a high-end villa project cooperated by PTH and a New Zealand local construction company. All materials and designs are provided by PTH, and all products comply with Australian import standards;  
The local construction company is responsible for the installation.

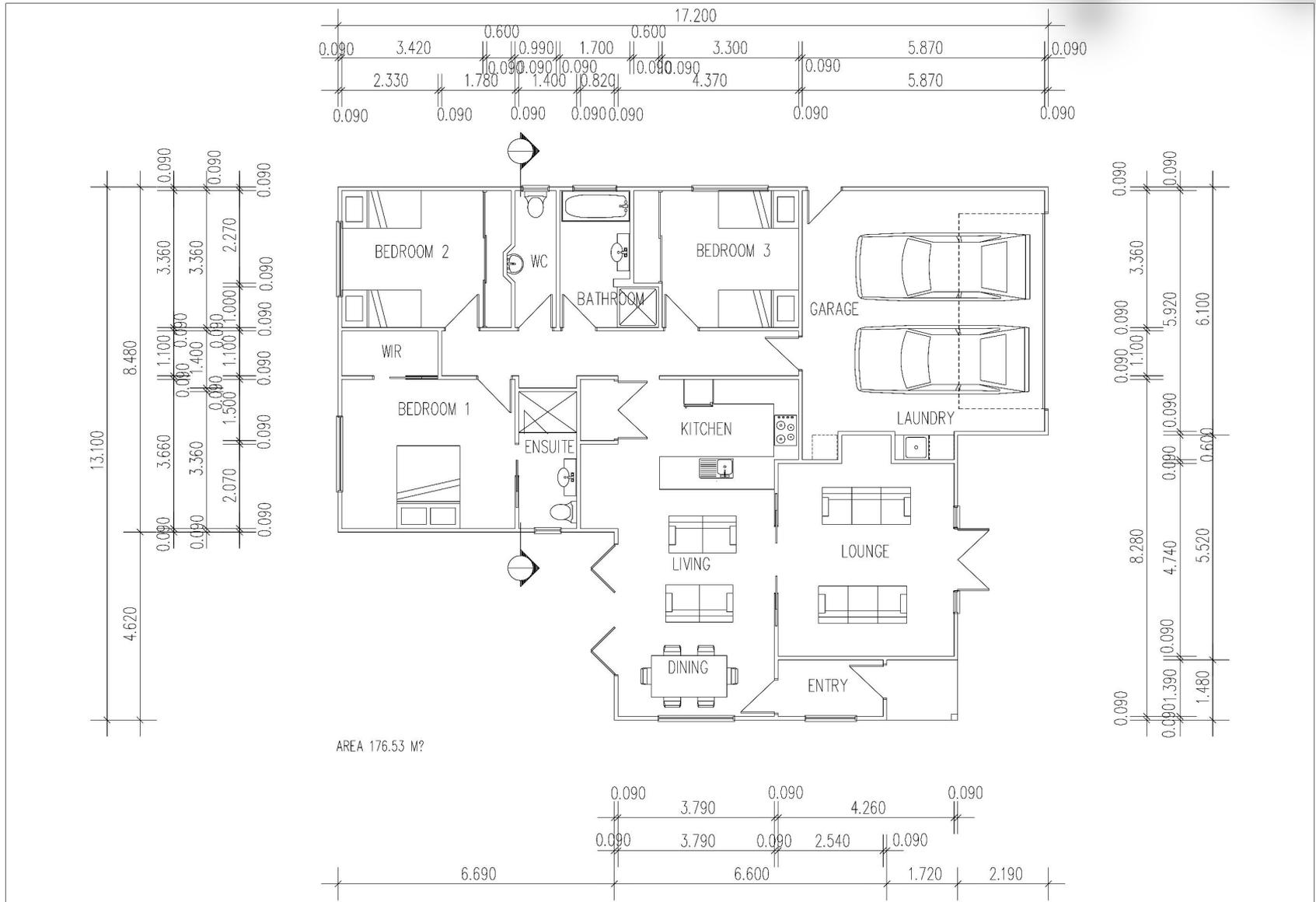
The seismic performance of the light steel structure is far superior to the traditional concrete and brick-concrete housing. At the same time, due to the light weight of the light steel structure, the weight per unit area is only 1/4 to 1/6 of the weight of the brick-concrete structure of the same area. The basic treatment is simple, economical, and suitable for most geological conditions, so it is widely used in residential buildings. PTH conducts a reasonable space layout according to customer needs.

# DESIGN

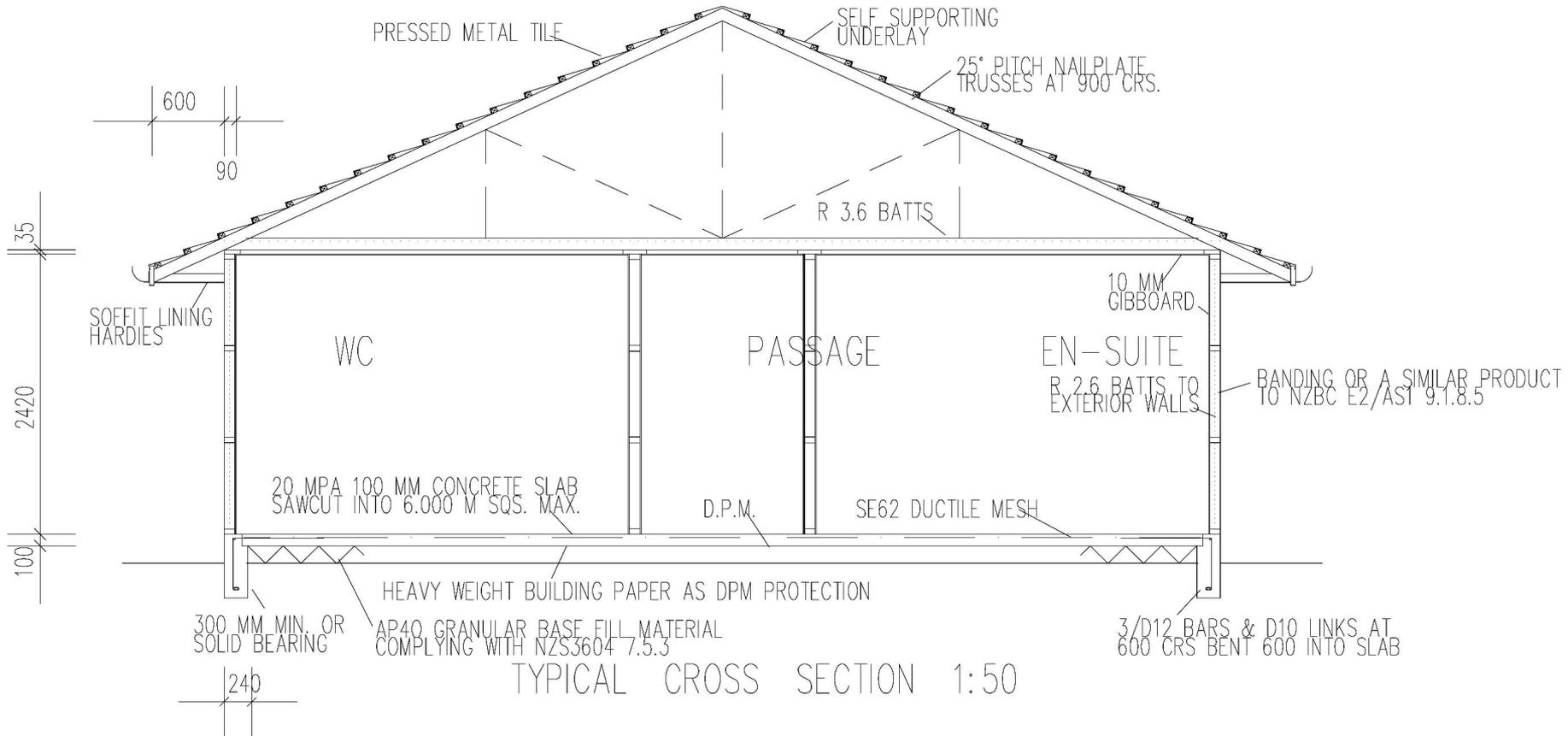


The preliminary design is made in accordance to client' s requirement and local building code. After getting the permission by local authority, PTH will do the shop drawing for production.

# DESIGN



# DESIGN



# DESIGN



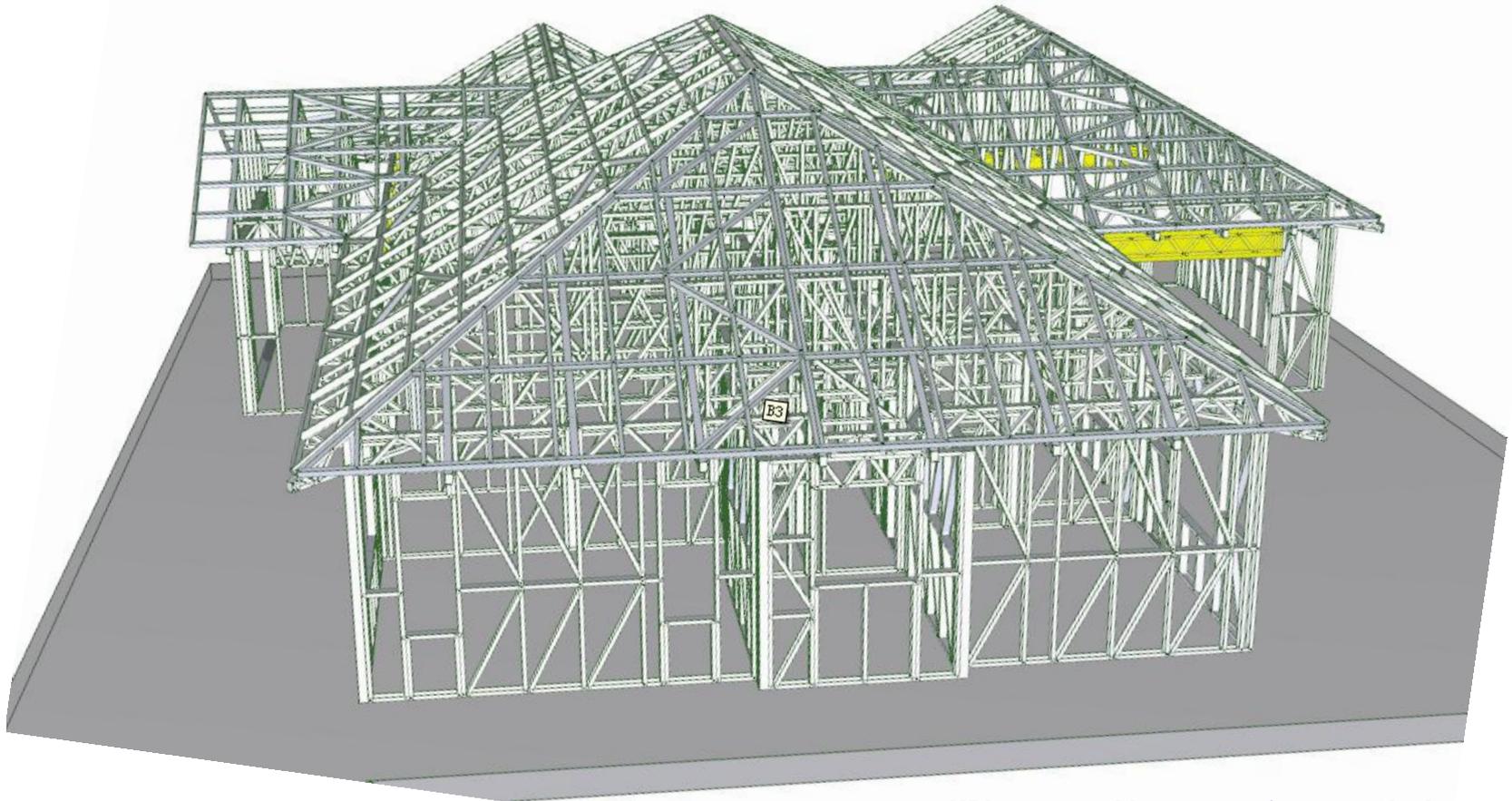
URL : [www.pthouse.com](http://www.pthouse.com) / [www.putianhouse.com](http://www.putianhouse.com)  
E-mail : [inquiry@putianhouse.com](mailto:inquiry@putianhouse.com)

# SHOP DRAWING

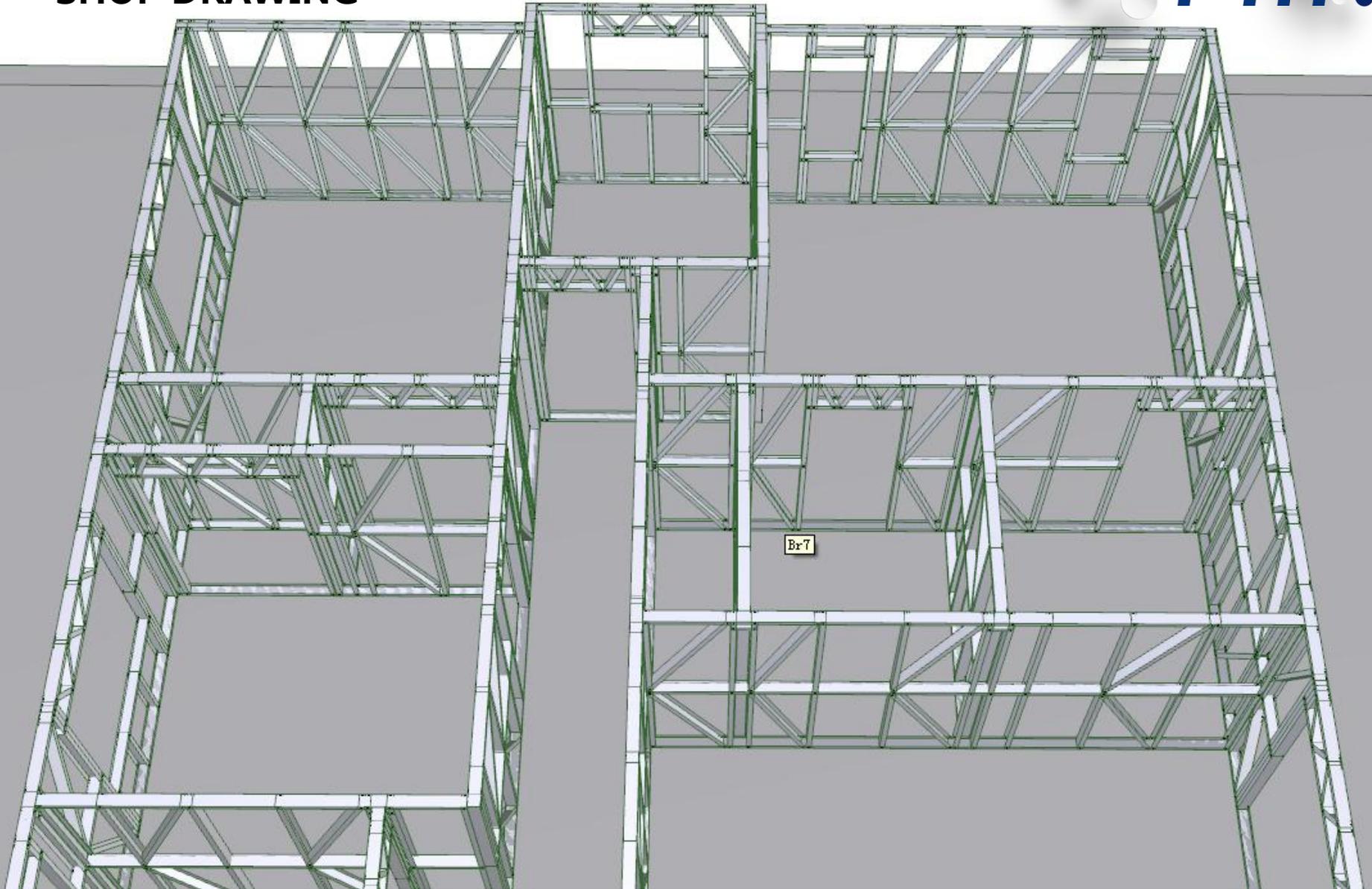


PTH shop drawing designers adopt Tekla and FRAMECAD Structure design software. Before making shop drawing, manager will check whether the technical information of the design drawing is clear enough, and then carry out production drawing according to the final design drawing.

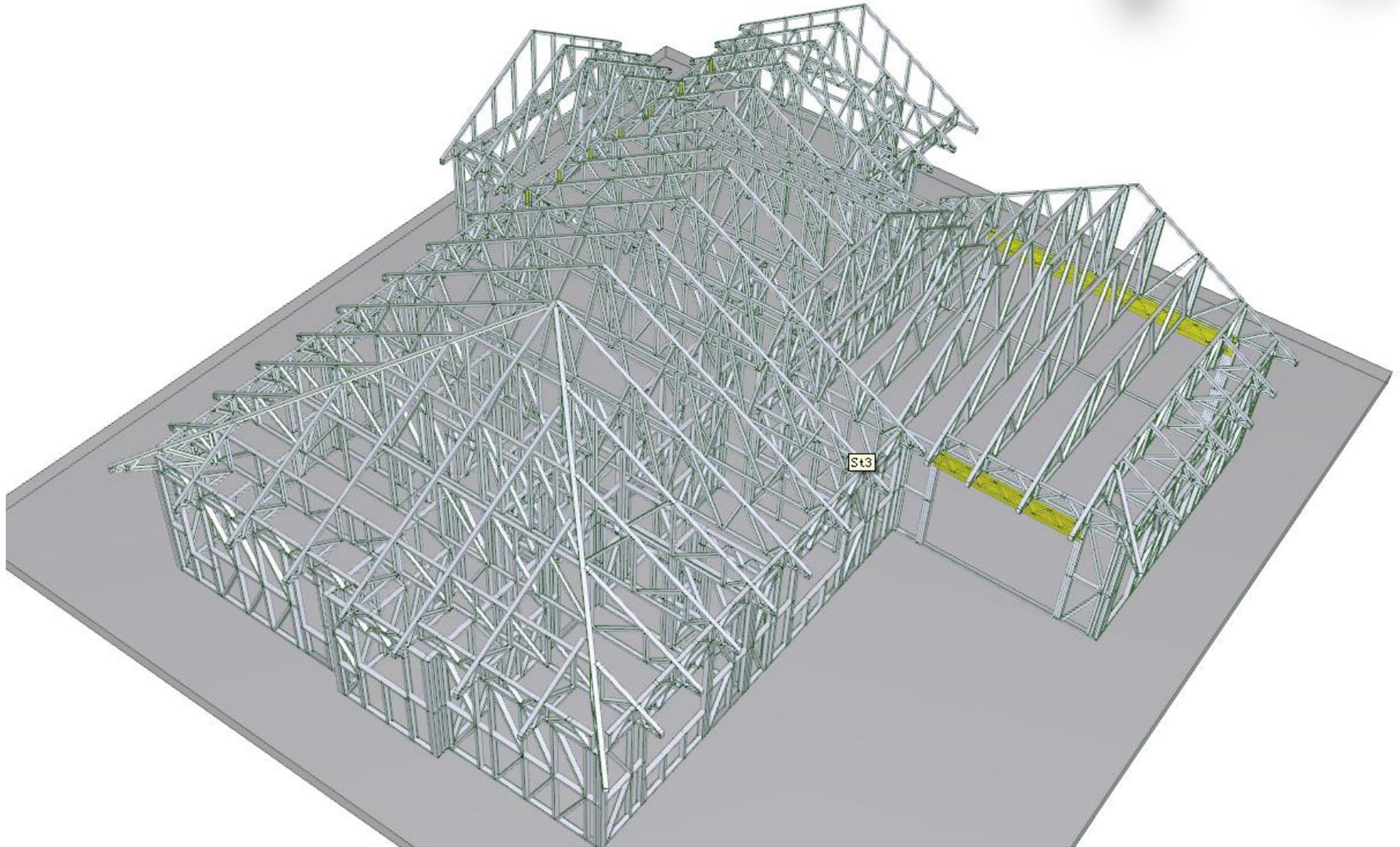
When make detailed design, we will ensure that the product assembly size deviation standards, welding quality technical requirements, structural connection nodes, product anti-corrosion processes, etc. meet the design technical specifications.



# SHOP DRAWING



# SHOP DRAWING



# 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 an enterprise and the foundation of sustainable development. PTH strictly follows the ISO9000 quality system and makes quality control in each process from material procurement to finished product delivery.

For the outsourcing of raw materials and accessories, it is reported to the ICQC team for inspection. ICQC will inspect according to "Raw Material Inspection Regulations", ensure the material technical specifications and quality meet GB standards, then upload the inspection record, QC document and test report to the ERP system.

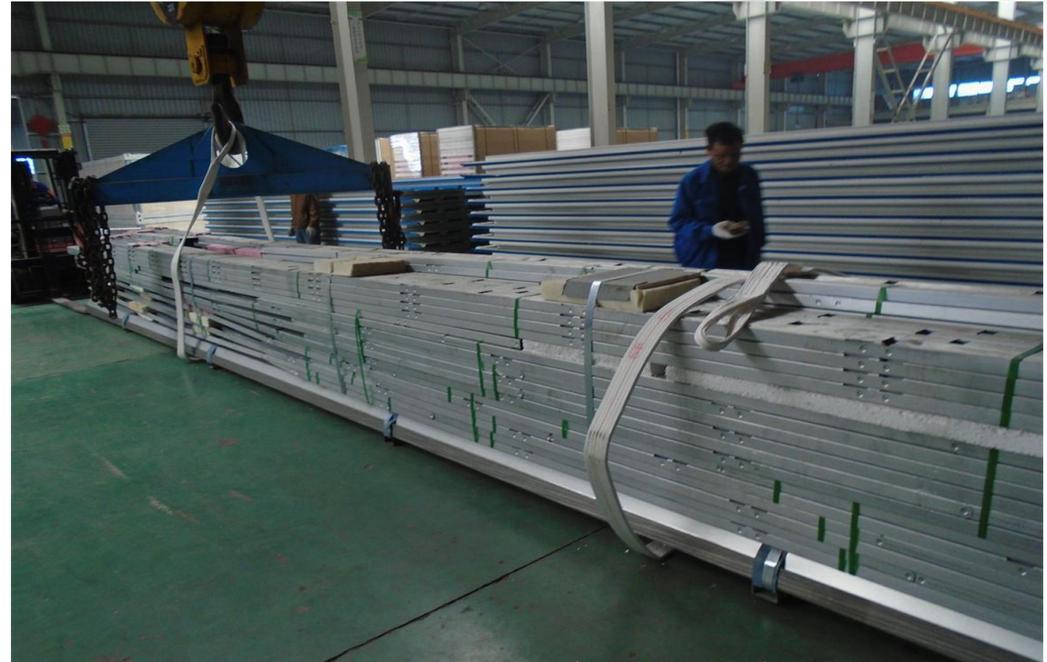
# PRODUCTION PICTURES



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 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".

# INSTALLATION



# INSTALLATION



# 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 subsequently cooperated with PTH on a number of light steel villa projects. We are our long-term partners and trust in PTH.

# CLIENT FEEDBACK



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