



**PTH**

# Maldives double storey school

1. Project No. : PT170419
2. Date : 2017
3. Location : Maldives
4. Scale : 2058m<sup>2</sup>
5. Category : Double- C structure + Light Gauge Steel
6. Function : School
7. Characteristics : Main structure is double-C structure with light gauge steel wall frame



# 项目设计



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 Features:

The project is a local charity project in Maldives, used for the construction of local schools, including classrooms, teachers' offices, libraries, computer rooms, toilets, etc.

For structural strength, safety performance, use space and cost considerations, the main frame of the whole building is a double-braced C structure; the wall, roof, floor structure is light steel structure; the wall enclosure is cement fiber board plus new decorative board Materials, the whole building is more beautiful. Both the structural design and the material selection of the entire project are in line with the building codes and architectural styles of the local school in Maldives.

# Design



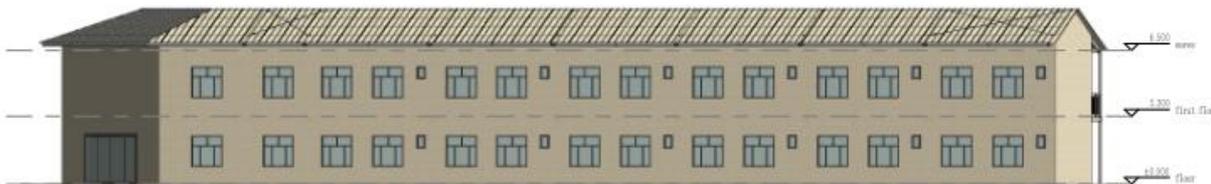
North Elevation



South Elevation



West Elevation

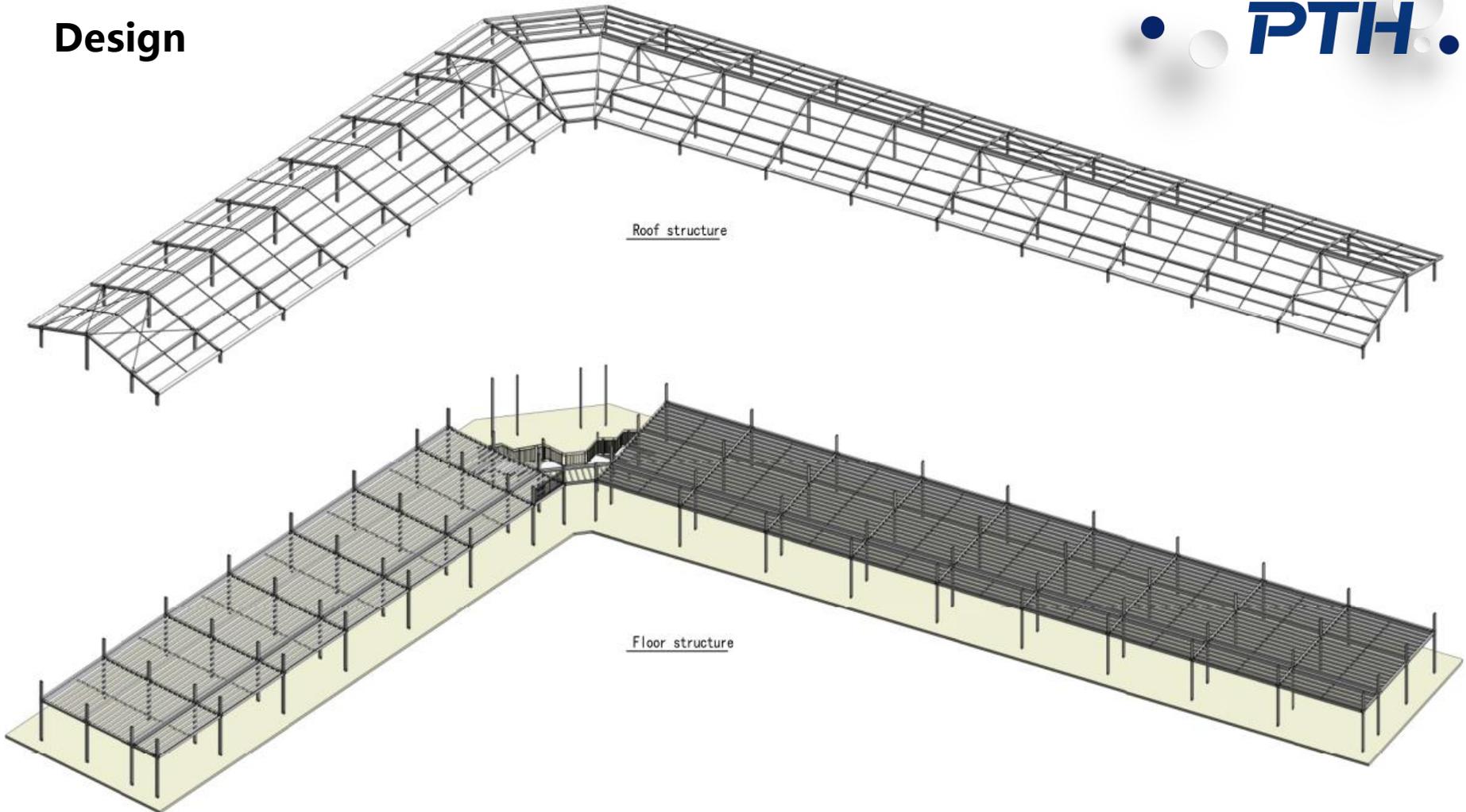


East Elevation

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.



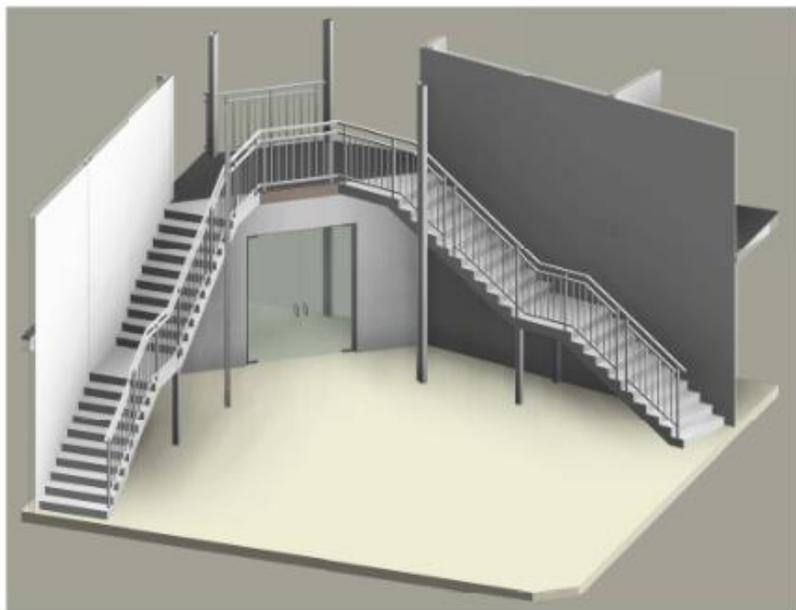
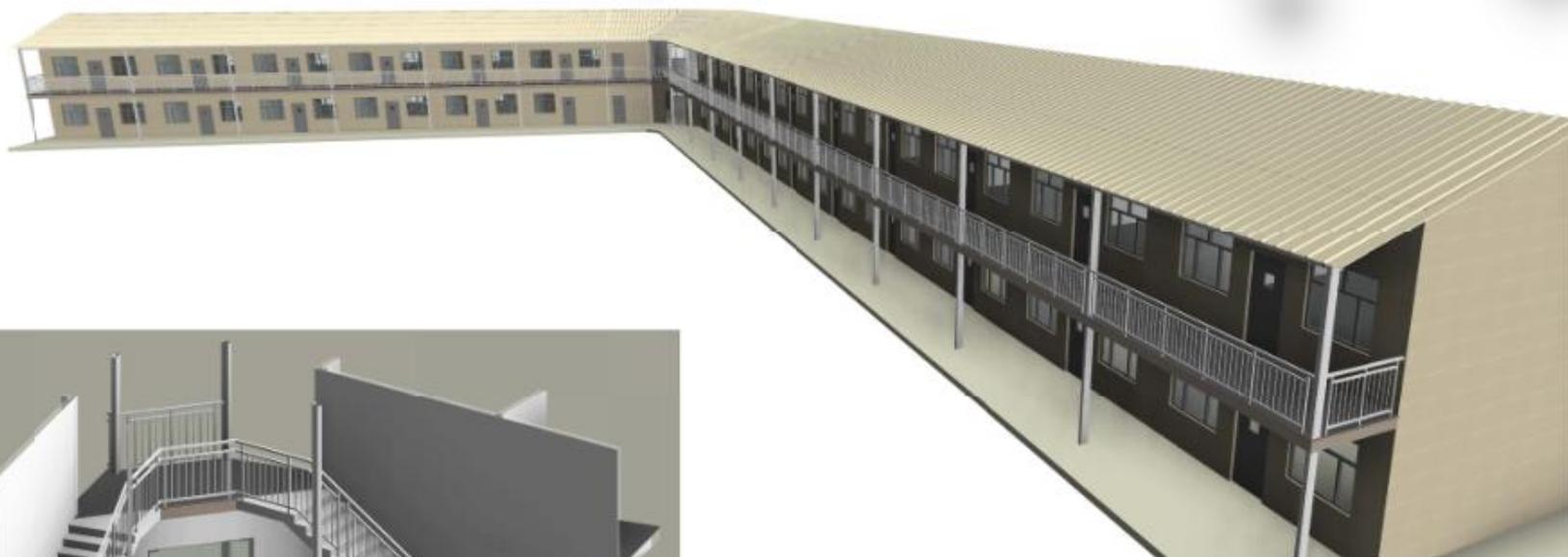
# Design



PTH deepen design adopts Tekla and FRAMECAD Structure design software. Before making production 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 deepening the 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.

# 深化图



# 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."



# PRODUCTION PICTURES

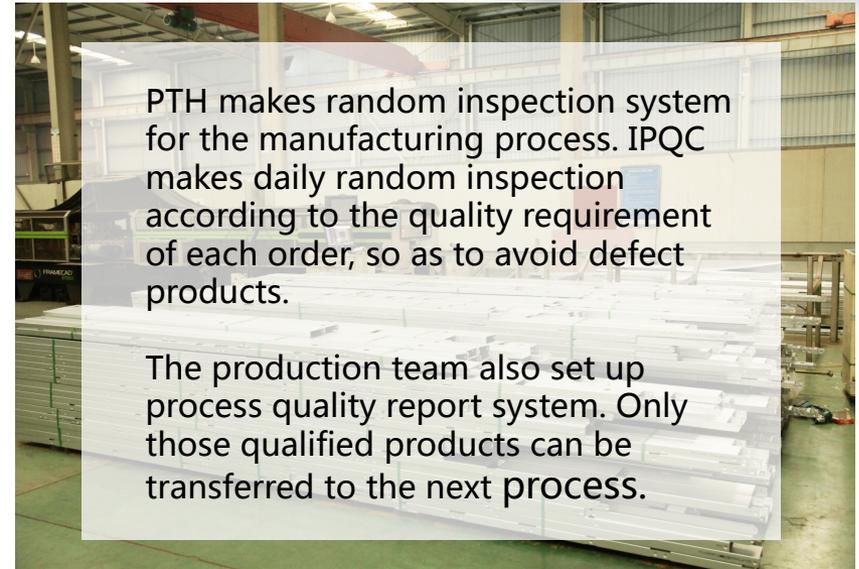


Quality is the life of a enterprise and the foundation of sustainable development. PTH strictly follows the ISO9000 quality system and make quality control in each process from material procurement to finish product delivery.

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



# 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**



**URL : [www.pthhouse.com](http://www.pthhouse.com) / [www.putriahouse.com](http://www.putriahouse.com)  
E-mail : [inquiry@putriahouse.com](mailto:inquiry@putriahouse.com)**

# INSTALLATION



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

# 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 structure and material environmental protection of the project are in line with the inspection of the local review agency. The customer has highly recognized the structure of Shuangbao C plus light steel used by our company. The school has been in normal use.



# CLIENT FEEDBACK



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

# CLIENT FEEDBACK



# CLIENT FEEDBACK



# CLIENT FEEDBACK

