

PTH

Zoo Hilltop Villa in Philippine

1. Project number: PTZV189-2
2. Date : 2013
3. Location : Philippines
4. Size: 225m²
5. Product Type: Light Steel Villa
6. Purpose of the project:
Accommodation of zoo park personnel
7. Features: Four-sided corridor design is convenient for zoo staff to observe; the chassis design increases the stability of the house.



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 Features:

Customers visit the PTH factory and are very interested in villas and containers. The project is a zoo project in the Philippines, and the villa is built on the top of the zoo hill for the accommodation of personnel in the park. In order to facilitate the staff to observe the zoo on the top of the mountain, on the basis of meeting the internal room requirements, a 3m external corridor was added on all sides of the villa.

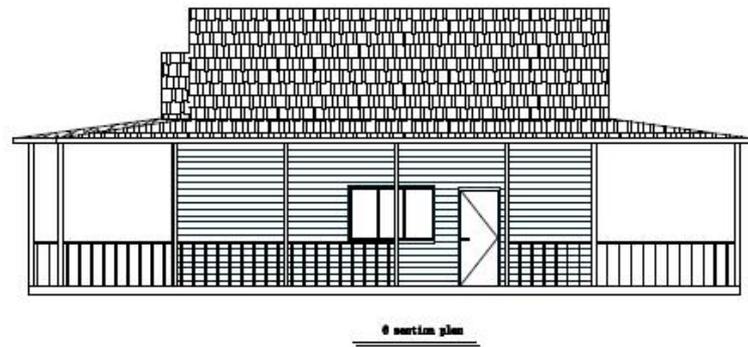
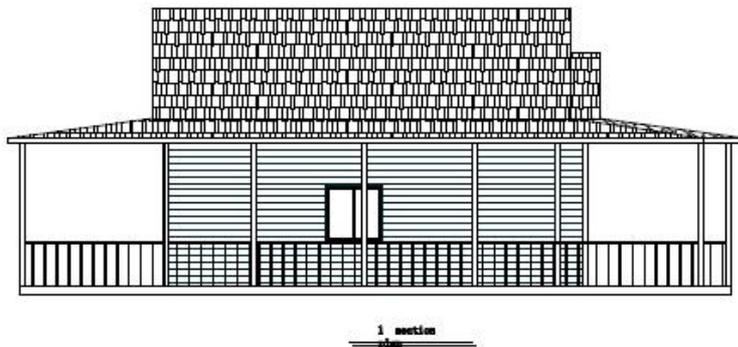
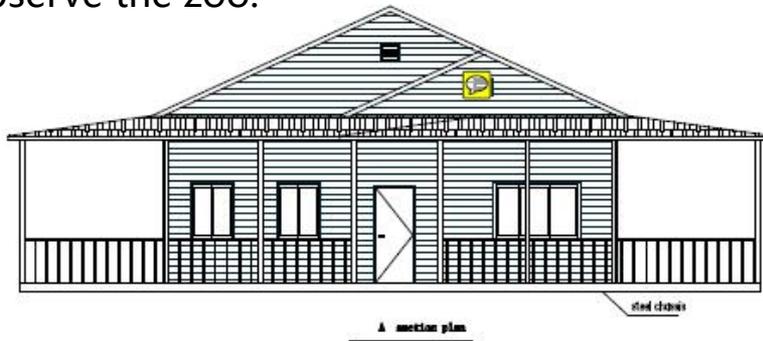
We designed the wind load on the basis of a wind speed of 250km/h, and at the same time made a chassis to increase the stability of the entire house.

Design drawing

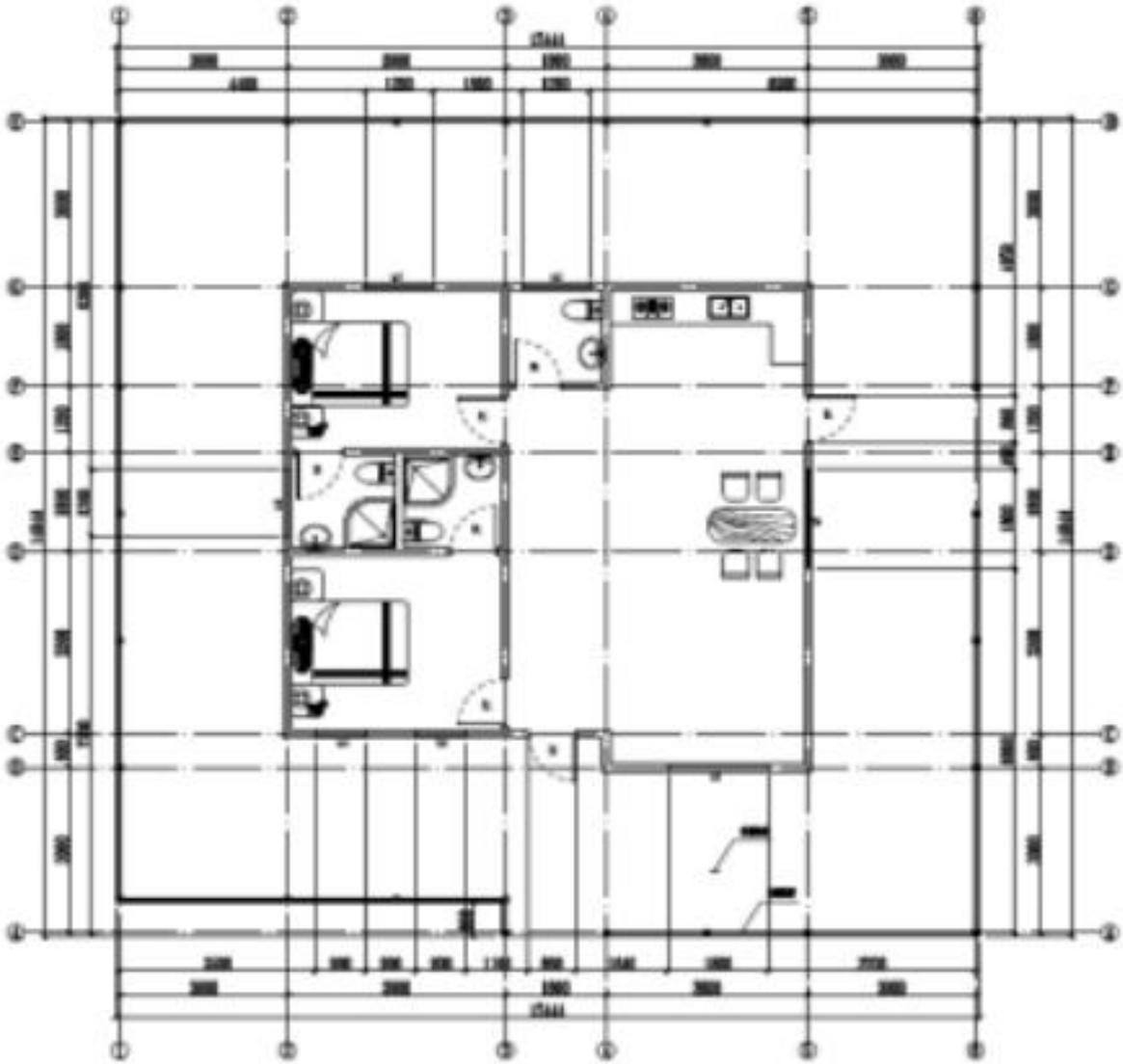


The design drawings of PTH are designed according to the needs of customers and local building codes. After obtaining the permission of the local government, they can finally continue to deepen the design after passing the review of the local government.

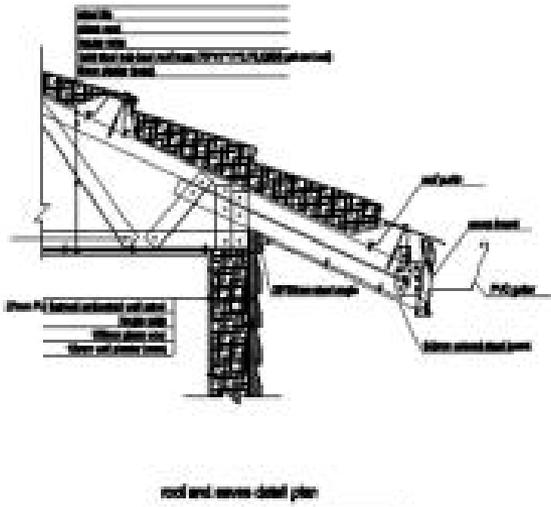
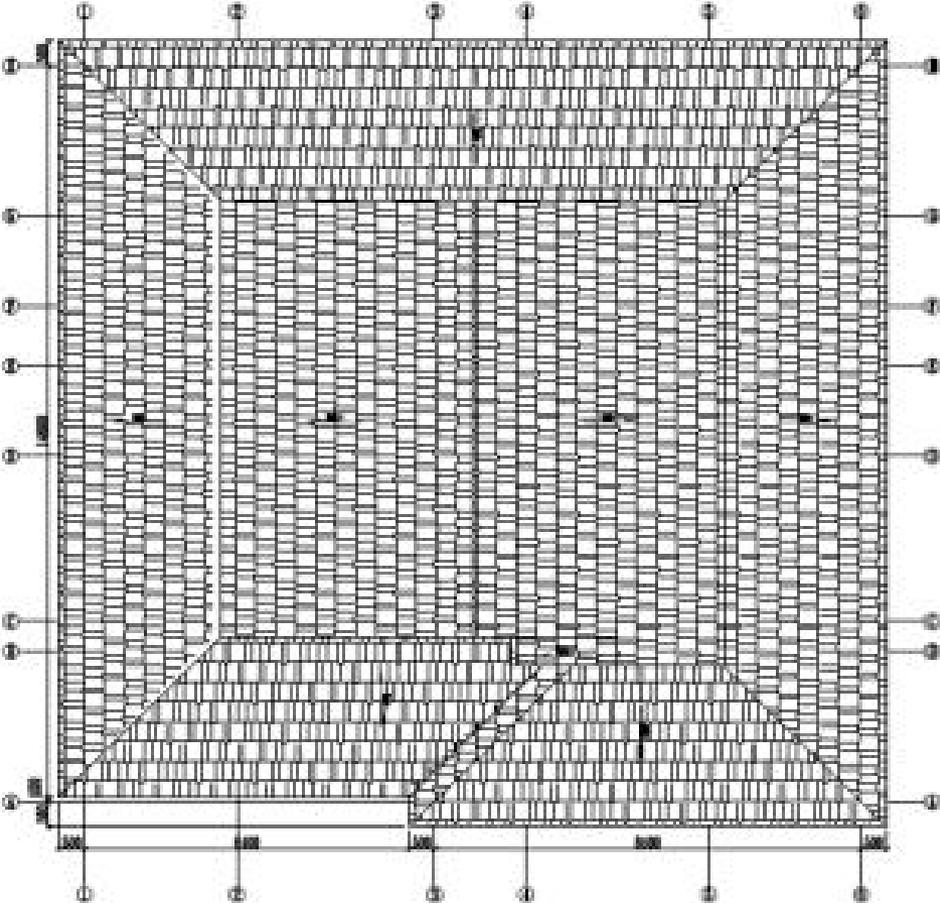
The villa is built on the top of the zoo and used for the accommodation of the people in the park. It is designed with 4 external corridors. The staff stands on the top of the mountain to observe the zoo.



Design drawing



Design drawing

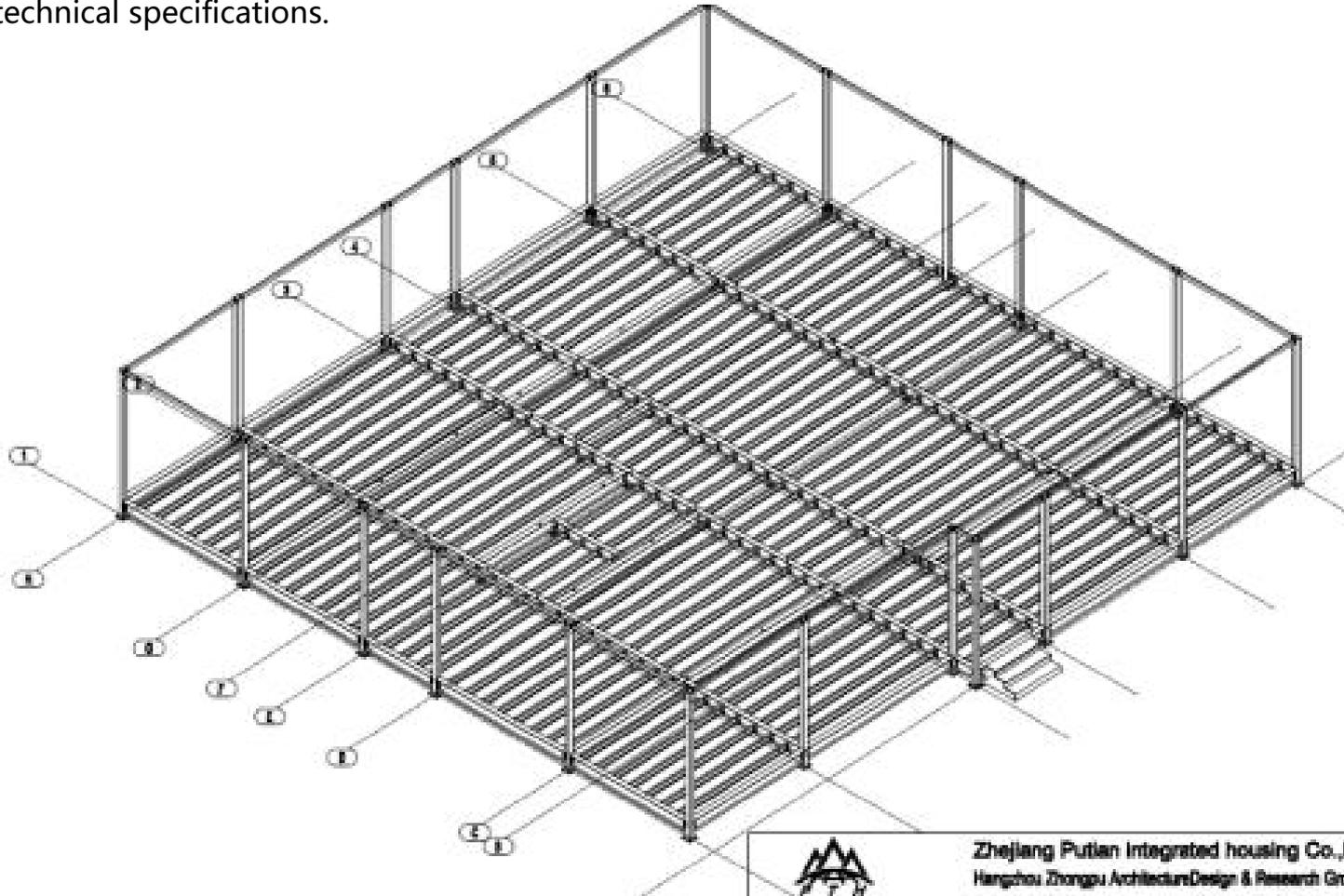


Deepening design



PTH deepening designers use Tekla and FRAMECAD Structure deepening design software. Before deepening the design, you need to check whether the technical information of the design drawing meets the technical requirements of the deepening design, and then carry out the deepening design and production according to the final design drawing.

When deepening the design, we must ensure that the product assembly size deviation standards, welding quality technical requirements, structural connection nodes, product anti-corrosion technology, etc. meet the design technical specifications.



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PRODUCTION & DELIVERY



purchase

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."



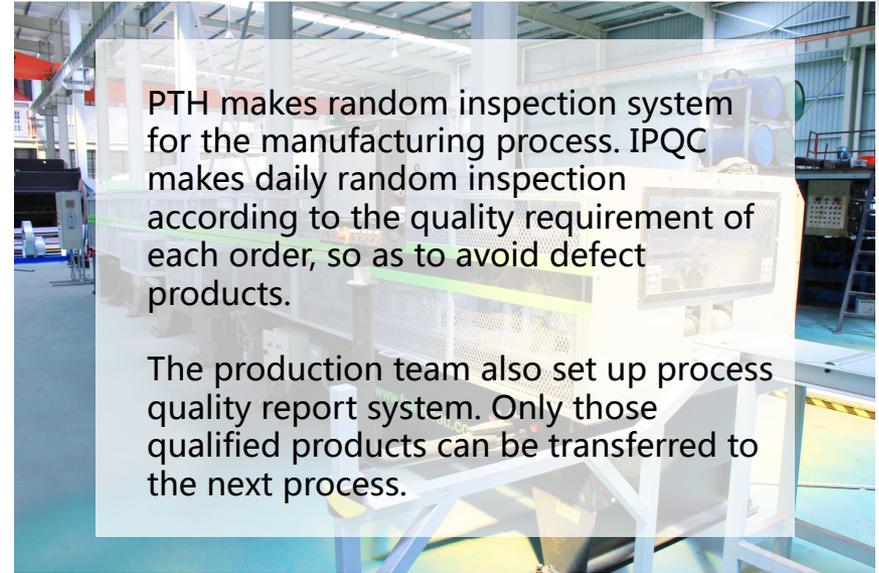
PRODUCTION



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



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. The logistics of this project totaled 805 pieces, with a total weight of 35900kgs, using one 40 HQ and one 20ft shipping container with a total volume of 88m².

PTH adopts the unitized design of components when packaging, which effectively reduces the product packaging volume. Each unit component uses an independent small package, and multiple small packages are combined into an overall package that is easy to transport and install. And because of the overall packaging, it is easy to load and unload, reducing labor costs.



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".



2014-04-30

INSTALLATION



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