

Temporary Dormitories of Mae Tao Clinic

by Jan Glasmeier / (1) 2015-07-10 10:49:00 / International / ⊚ 9350 / ▶ EN



Building Type: Student residence Construction Year: 2013 Delivery year: 2013

Address 1 - street: 63110 MAE SOT, TAK, THAILAND, Thailand

Climate zone : [Aw] Tropical Wet & Dry with dry winter.

Net Floor Area: 72 m² Other

Construction/refurbishment cost : 1 700 €

Cost/m2 : 23.61 €/m²

Proposed by:



General information

The armed conflict that has persisted for decades in the Karen State of Myanmar results in a daily flow of refugees and immigrants to neighboring Thailand. In the Thai town of Mae Sot, a few kilometers from the Burmese border, numerous schools and orphanages offer accommodation and education for the refugees and immigrants. One of these Learning Canters, the CDC School (Children Development Center) under the tutelage of Mae Tao Clinic organization, hosts more than 800 students

The lack of space, and in many cases, the need for immediate accommodation for new students has forced the School to present a new model of temporary low-cost dormitories that is easy to assemble and can be built by using as many recycled materials as possible.

The Embassy of Luxembourg in Bangkok funded the construction of four dormitories. The first of four dormitories was built in April 2012 within four weeks. With a space capacity of 25students, the building meets the Modus Vivendi by fitting into the local environment in which it is located. The interior layout ensures an open and airy space that offers semi-privacy and includes storage space for the students. The building materials used are locally available and well known to their users, thus allowing for easy maintenance and resulting in low maintenance costs.

The recycled timber used for the dormitories comes from old buildings in town that are carefully stripped and put aside by the demolition crew. The timber is

polished, de-nailed, and saw down to size. Every timber frame is easy to disassemble and assemble again in a new location.

The quality of available timber, mainly teak, at the Thai-Burma border is told to be one of the best in the world. However, the price of the timber has risen by over 300% in the last few years due to the deforestation and the illegal trafficking along the border. Thus recycling timber has become popular among the local people in order to reduce the cost of the new buildings. Using timber as a main building material allows us to help preserve the traditional construction skills of the local people who are already very familiar with this material.

See more details about this project

☐ http://www.archdaily.com/499287/temporary-dormitories-a-gor-a-architects

Stakeholders

Stakeholders

Function: Others
Mae Tao Clinic

Owner

Function: Designer a.gor.a architects

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Contracting method

Other methods

Energy

Energy consumption

Primary energy need: 10,00 kWhpe/m².year

Primary energy need for standard building: 10,00 kWhpe/m².year

Calculation method: Other

Envelope performance

Envelope U-Value: 1,00 W.m⁻².K⁻¹

Renewables & systems

Systems

Heating system :

No heating system

Hot water system:

No domestic hot water system

Cooling system :

No cooling system

Ventilation system :

Natural ventilation

Renewable systems :

No renewable energy systems

Environmen³

Urban environment

The new dormitories are been build on the country side near the new Mae Tao Clinic Campus

Products

Product

Temporary Boarding House

a.gor.a architects

jan.glasmeier@gmail.com

Product category: Structural work / Carpentry, cover, titghtness

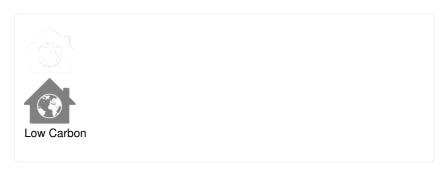
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Recycled timber as a construction product is important in both raising industry and local community awareness towards deforestation and promoting more environmentally friendly practices.

Costs

Contest

Building candidate in the category







Ban Pang N