

THAILAND  
**ARCHITECTURE  
IN STEEL 7**



**SYS**  
SIAM YAMATO STEEL



**STUDIO K**  
MATERIAL STUDIO

Location: Mueang, Chiang Mai  
Client: Navin Rawanchaikul  
Structural Engineer: Rangsarid Khanta  
Area: 300 sq.m.  
Year: 2017

Studio K has grown tremendously, requiring the gallery to be a flexible, multifunctional working space for both artists and support staff. This building is linked to a legacy edifice by a staircase, leaving a middle courtyard space in between that creates the main entrance and activities area. The building consists of a gallery, workshop, garage, and storage area.

The two story building is comprised of a first floor for steel and wood working, and a second floor with a high ceiling for art displays, and bigger footprints for providing shade to the first floor. Towering roofs provide natural ventilation and indirect light. The designer's aspiration is to show the contrast of the studio's material texture with that of the old building. Metal sheets are used for the new workshop while exposed concrete is used for the original. The facade is made as a sandwich of exterior black metal sheets and interior gypsum and plywood boards.

The second structure connected to the owner's office in the old building is the owner's residence. The purpose of this project is to complete the unfinished rooms by adding doors, windows and interior design.

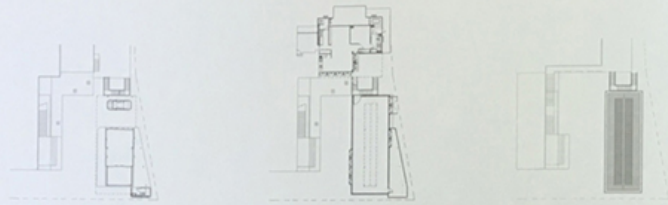
The residence is connected to the workshop by the public ground terrace. This residential building consists of a living area with a river view outdoor terrace, open kitchen and dining zone connected to the living space, two bedrooms, and two bathrooms. The overall elements include built-in ash plywood, ceramic floor tile and a concrete polished wall.







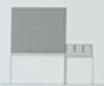




Ground Floor Plan

Second Floor Plan

Roof Plan



Elevation



Section





