PPMU GRAPE
SHELTER #01

□ probono project   □ research project

□ commission project   □ workshop

■ built project   □ exhibition

Project Year : 2022
Location : Blitar, Indonesia
Project Type : Built Project
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Short Desc. : In 2022, SB301 Office was involved and commissioned to design a grape harvesting shelter that located in an abandoned ruined class of one of city's oldest islamic school. The challange of this project relies on how to reactivating the site without replacing the old narratives that has been there years ago as well as choosing what kind of construction system that would fit with the existing site, local builders, etc.

Tags : *Adaptive-Reuse, Dry/Light Construction, Pre-Fab, Education, Placemaking, Harvesting*

GENERAL
CONCEPT

Located in a rural area of Blitar, this project aimed to convert an abandoned 18th century classroom building to an educational grape garden display area. This project is a part of an educational activation series initiated by a grape community known as Kung Anggur along with City's oldest islamic boarding school named Pondok Pesantren Maftahul Uluum.

During the design process, our main focus relies on how to minimize our physical intervention to the existing buildings and how not to touch the existing building while we are placing our design in the existing building. Instead of considering the existing building as an object of intervention, we position the existing building as a working canvas for the new program that we will inject. Our challenge doesn't only stop on the fact that we should be aware not to touch the existing building, but also the limitations of technology and understanding of local builders regarding the reactivation of old buildings for a new purpose or adaptive-reuse's approaches.

dry-knock down-material was chosen as the main construction material in this building with the consideration that it will reduce the wet construction work during the construction phase and will be able to be constructed in a short period of time with fewer manpower. With this strategy, it is hoped that it can minimize the margin of error in the construction site considering that even small mistakes might damage the authenticity of the existing old building.
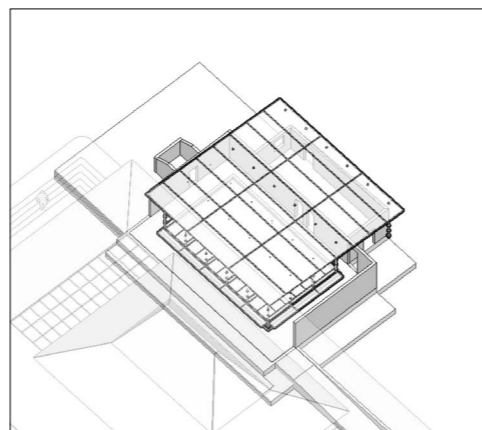The main structure of this building uses ring-lock scaffolding which has its own simple installment logic that is very familiar among local builders. Its familiarity allows the builder to learn our design easier and execute all the structural construction faster within hours in less than 6 people.
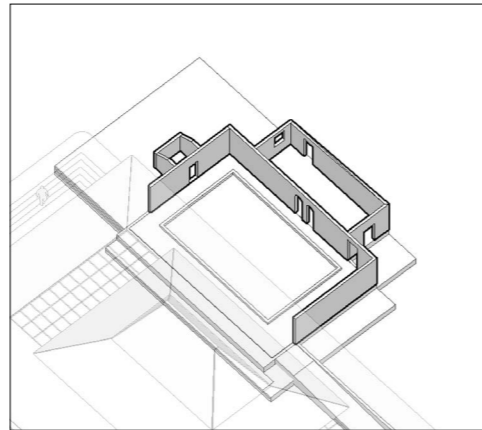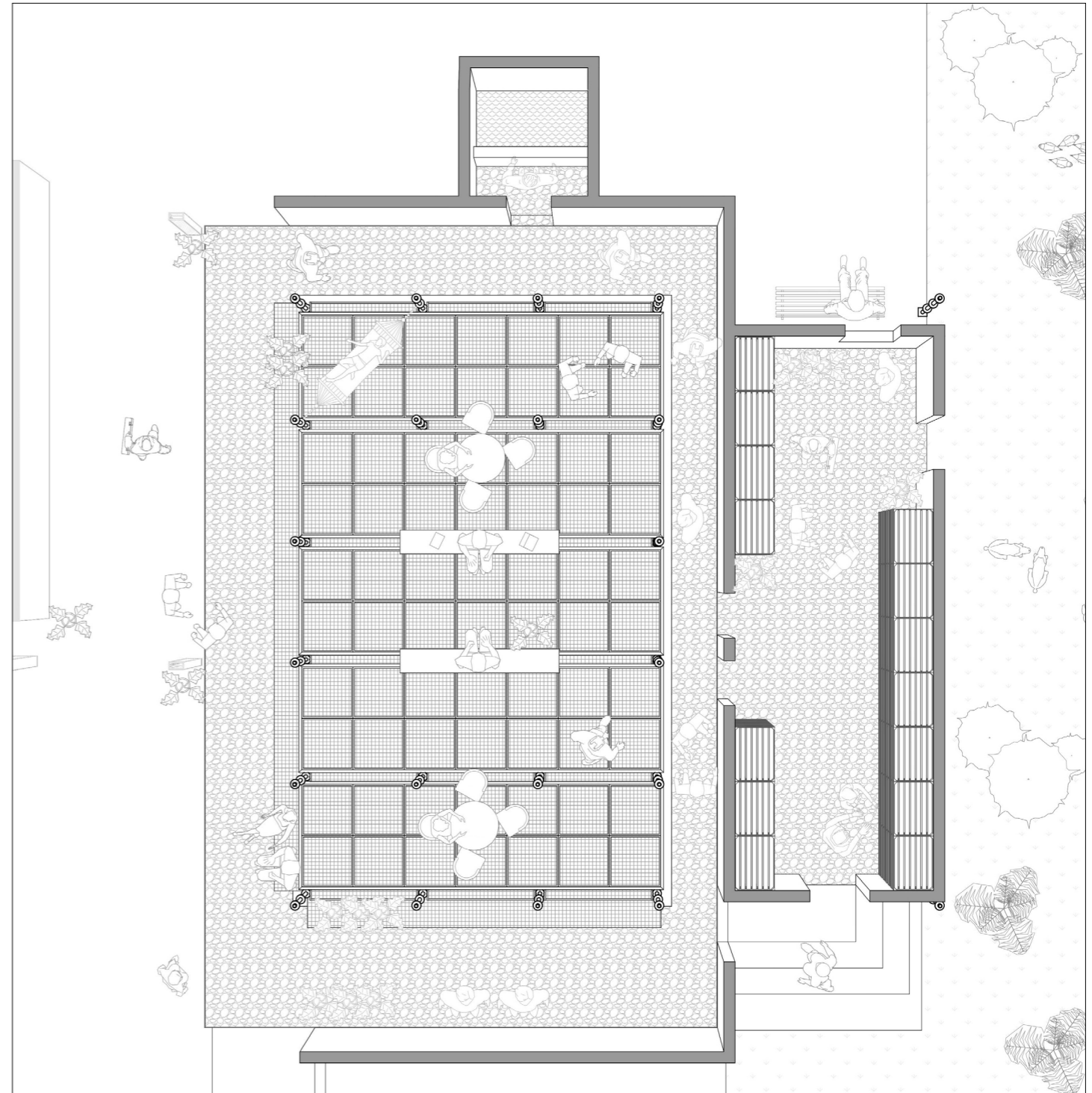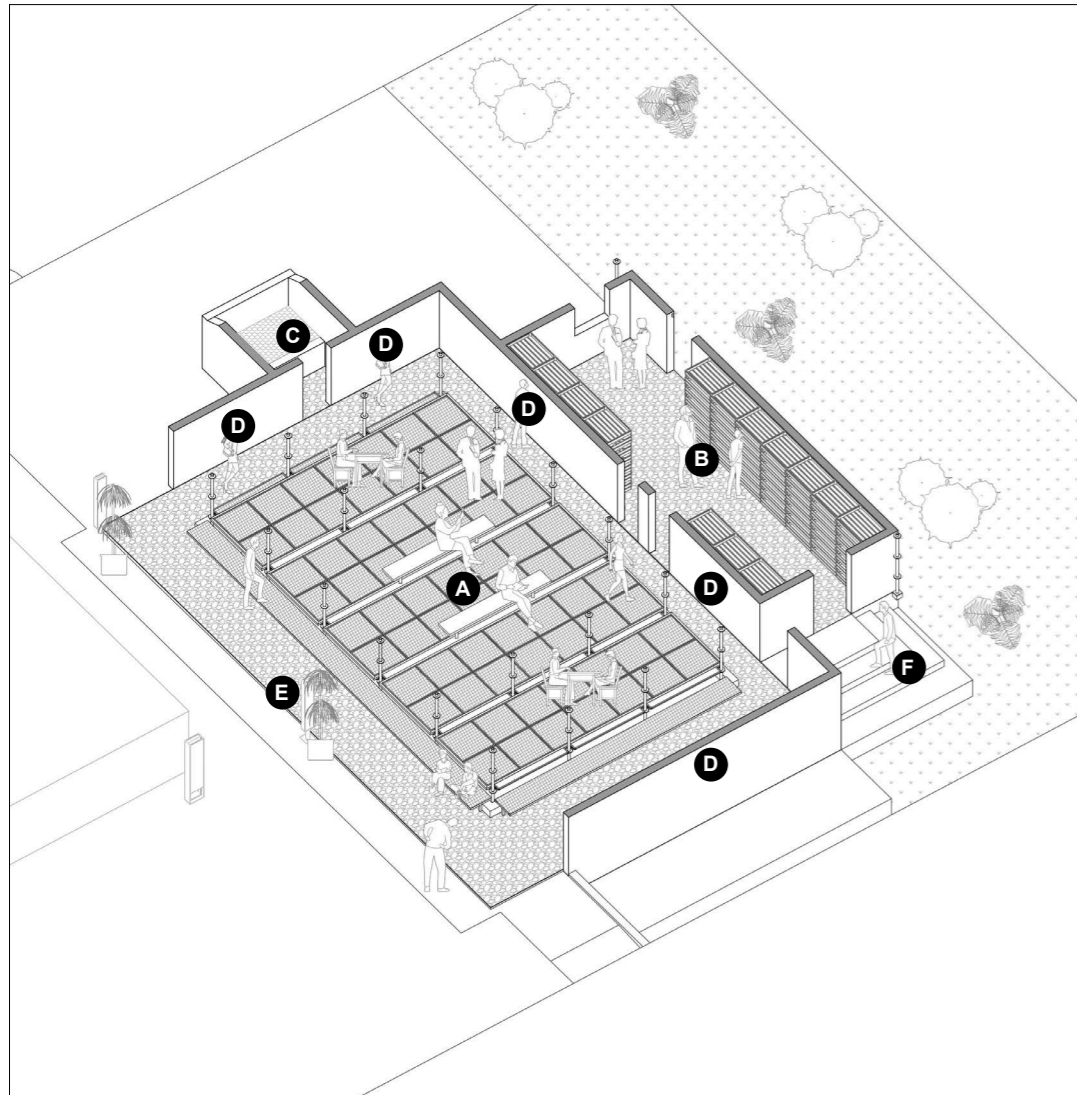

the existing ruins situation
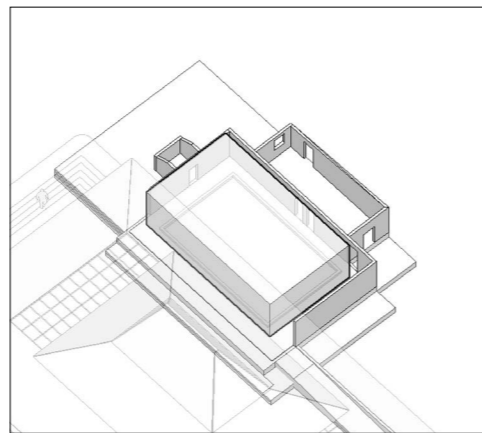
new program insertation
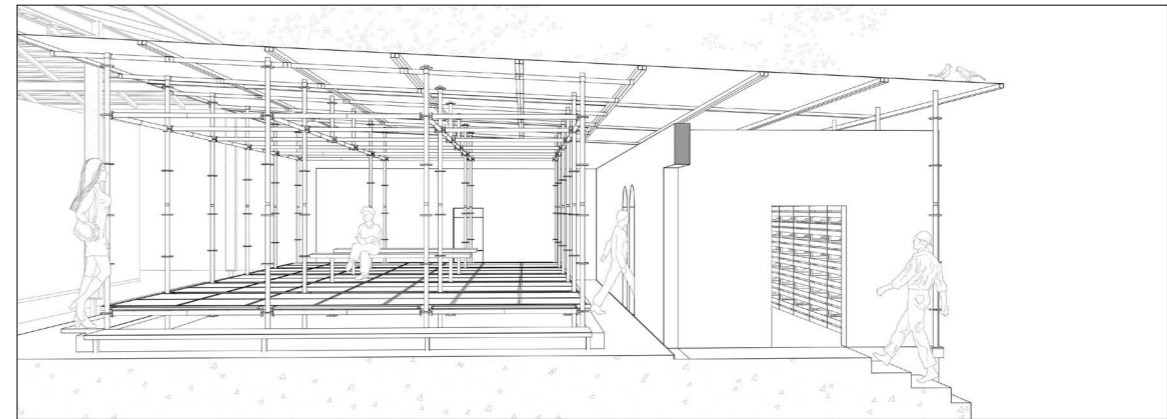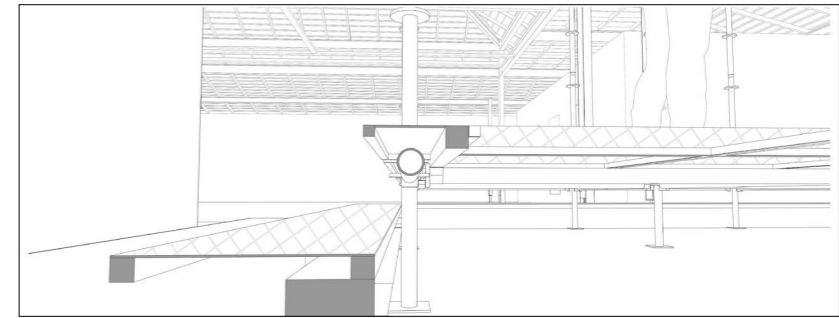

the final design result

DESIGN
OVERVIEW

The new configuration program tries to respond to the existing building. It has 3 different sizes of rooms. We made the largest room as the main room, functioning as a grapefruit display and multifunctional area. The medium one converted into a storage room to store the grape seeds that is still able to be accessed by the public for educational purposes. The smallest one was restored and preserved so that anyone who visits can be able to experience an 18th century scale of living space.

legend :

A main room   **C** preserved room   **E** enterance 01 (main)

B storage room   **D** preserved wall   **F** enterance 02 (secondary)

Conceptual detail of building construction.

Section of relationship between new and old building from the secondary access
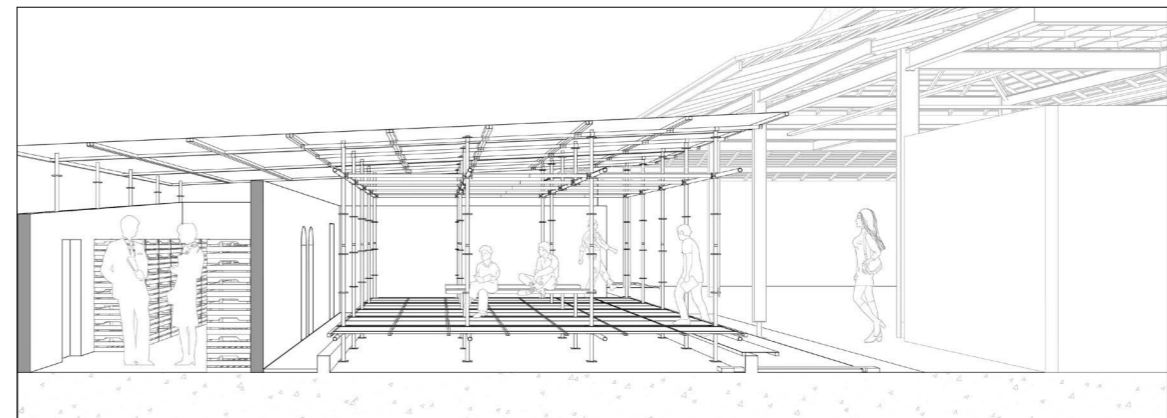
Section of relationship between new and old building from the main access

ATTACHMENT

how the building placed inside the existing ruins
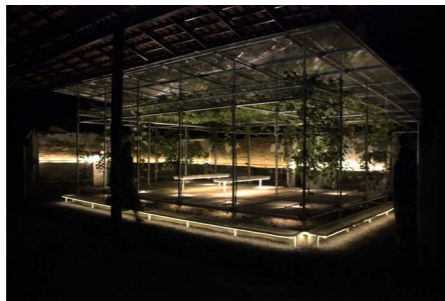

a woman walk from preserved room

relation between context, dry landscape, and the building on main enterance
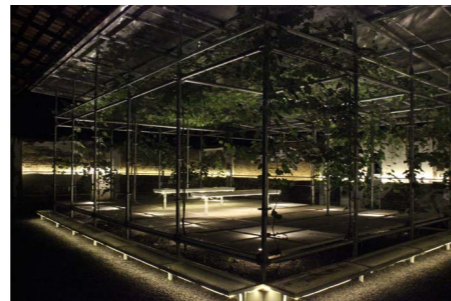

expanded metal allows natural light and airflow to go through to the soil while still able to functioned as a rigid platform
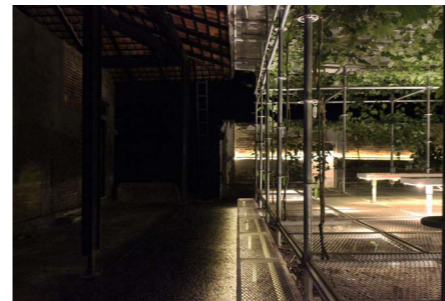

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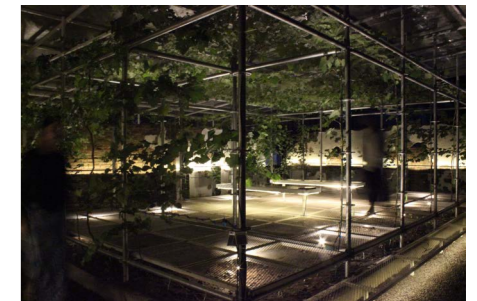

building experience at night

lighting experience at night

contrast between the old and new

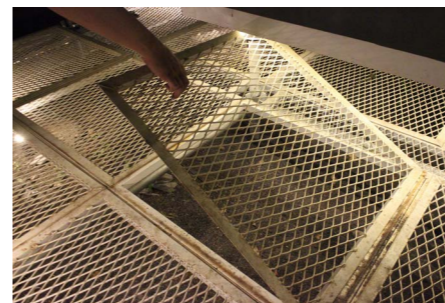dettachable chair while installed to provide sitting and chit-chat-ing activities

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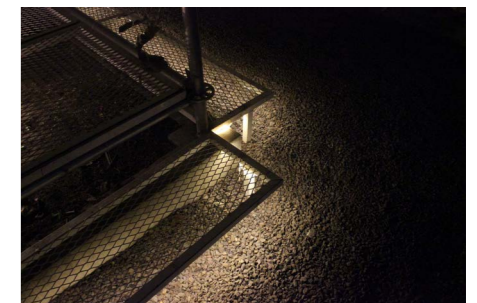the other side of the building, shows how the building inserted inside the existing ruins.

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custom panel is used as the flooring element to allow the grape gardener to take care of the grape trees more easily.

dettached joint for lighting system

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