

## Cultivating Heritage

Recuperating Dutch Colonial Architecture's Relation to Local Community's Practices through Heritage and Socio-Cultural Approaches in Kota Lama Semarang

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TU Delft \ 2020



Rijksdienst voor het Cultureel Erfgoed  
Ministerie van Onderwijs, Cultuur en  
Wetenschap



University Fund

# Physical Model

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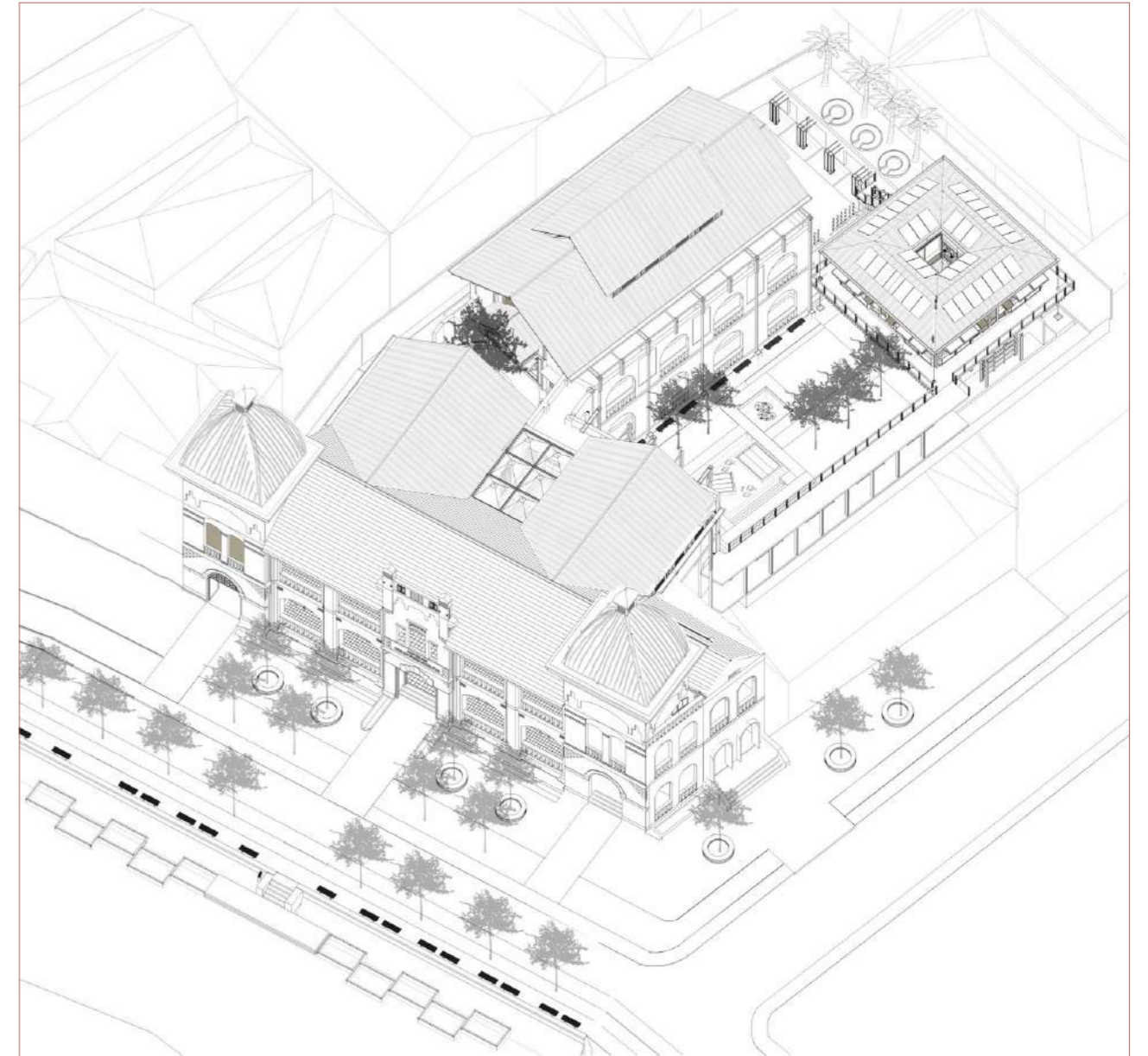
*1: 10 Scale Fragment Model of the Office Part  
of the Proposed Urban Permaculture Co-Operative Office,  
Demonstrating the Coexistence of the Old and the New.*



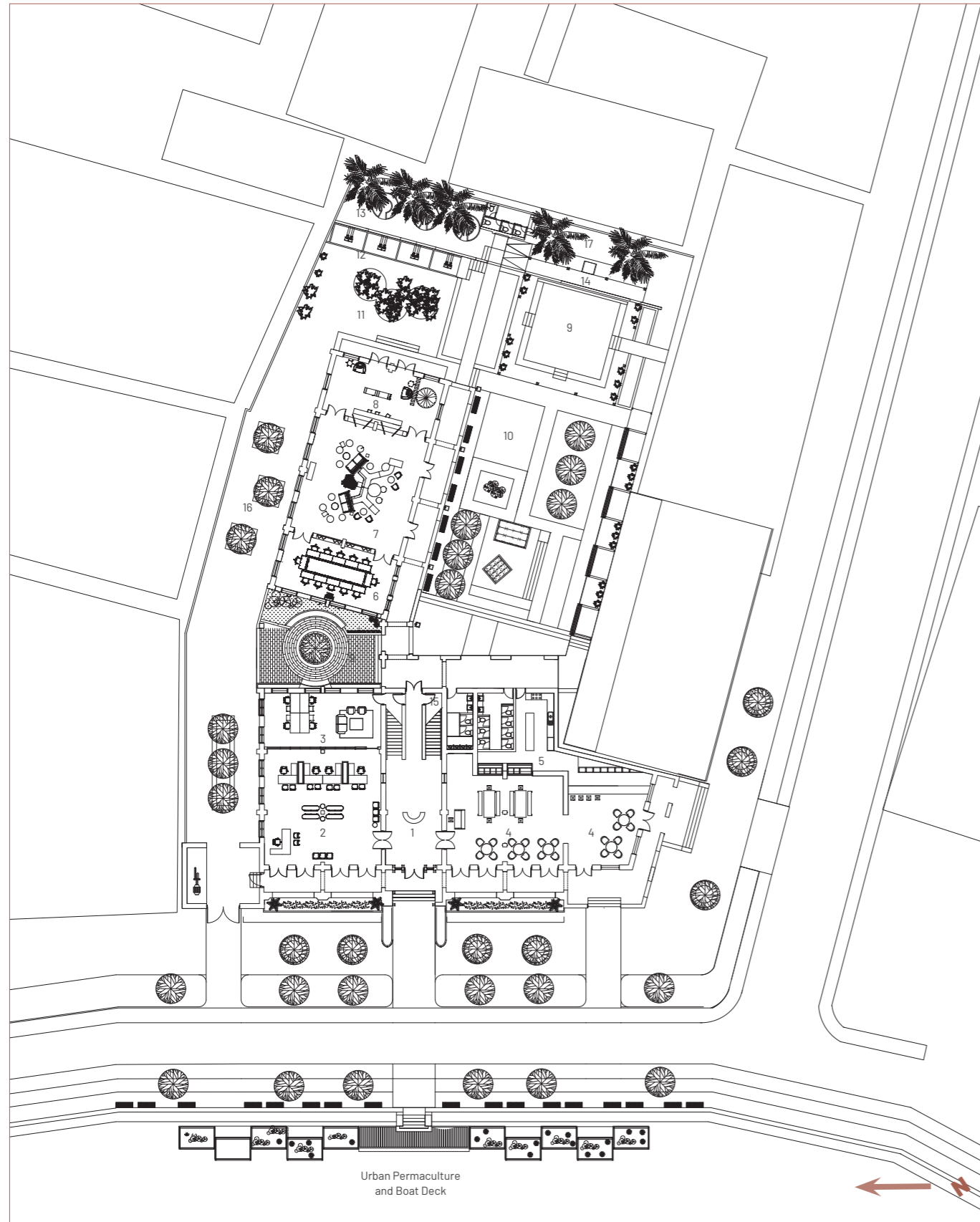


# Technical Drawings

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Isometric View of the Building Proposal

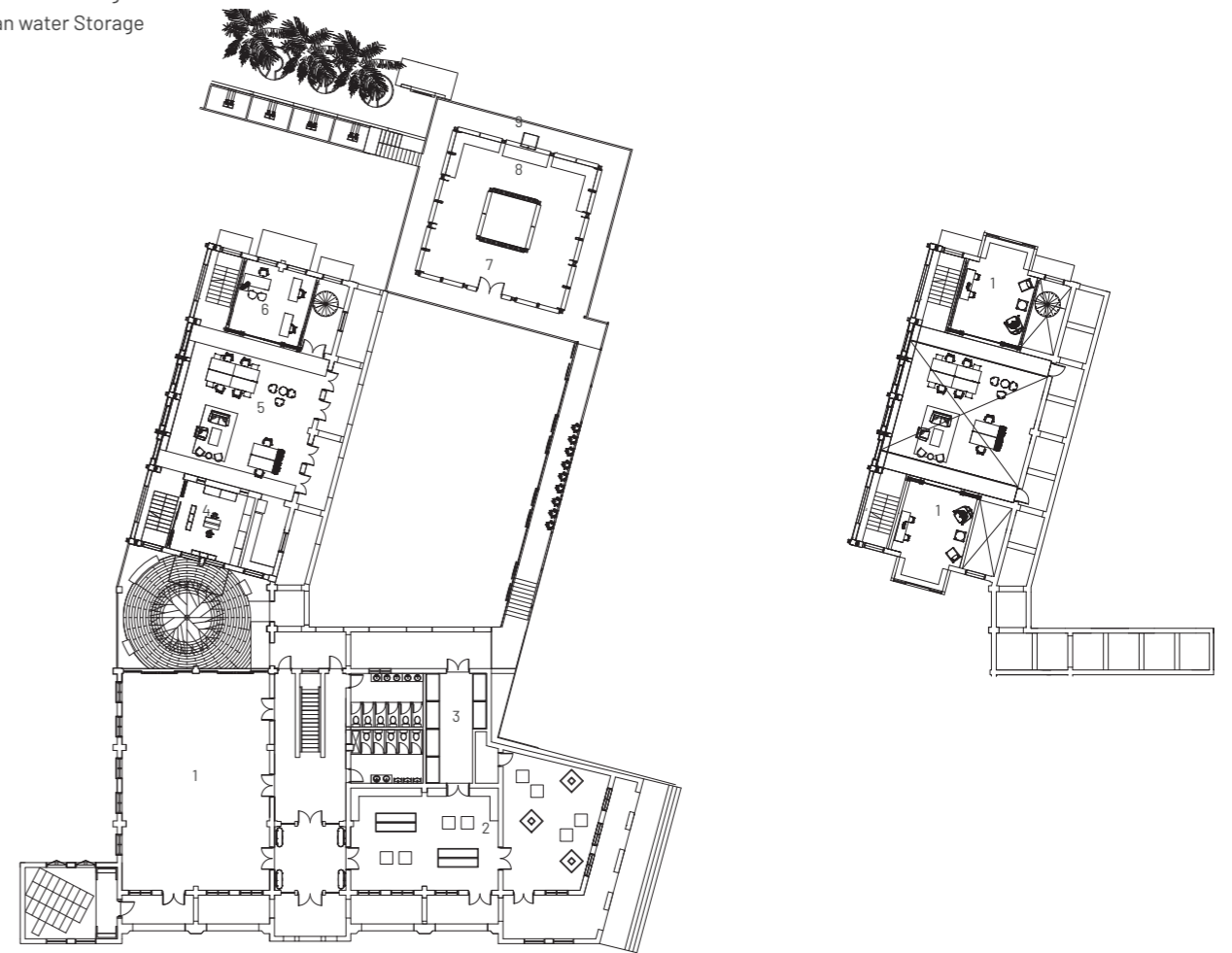


Ground Floor Plan

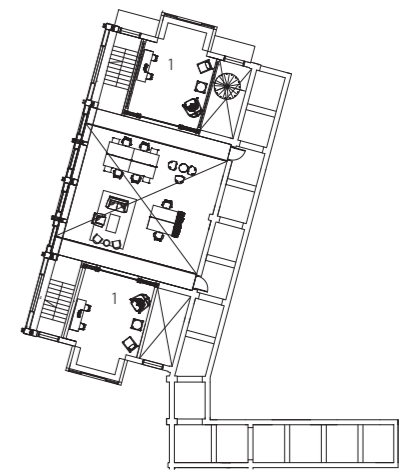
- GROUND LEVEL**
1. Information Desk
  2. Purchasing Point
  3. Purchasing Office
  4. Cafe
  5. Kitchen
  6. Meeting Room
  7. Co-Operative Members Consultation Space
  8. Mini Library
  9. Social/Lecture Area
  10. Urban Permaculture
  11. Rain Garden
  12. Water Filtration
  13. Banana Trees and Keyhole Garden
  14. Trolley Elevator
  15. Storage
  16. Rainwater Storage
  17. Clean water Storage

- FIRST LEVEL**
1. Multi-Purpose Room
  2. Seeds and Tools Display and Shop
  3. Crops Storage
  4. Archive Room
  5. Management and Administration Working Area
  6. Accounting Room
  7. Production Area
  8. Packaging Area
  9. Trolley Elevator

- MEZZANINE LEVEL**
1. Contemplation Space



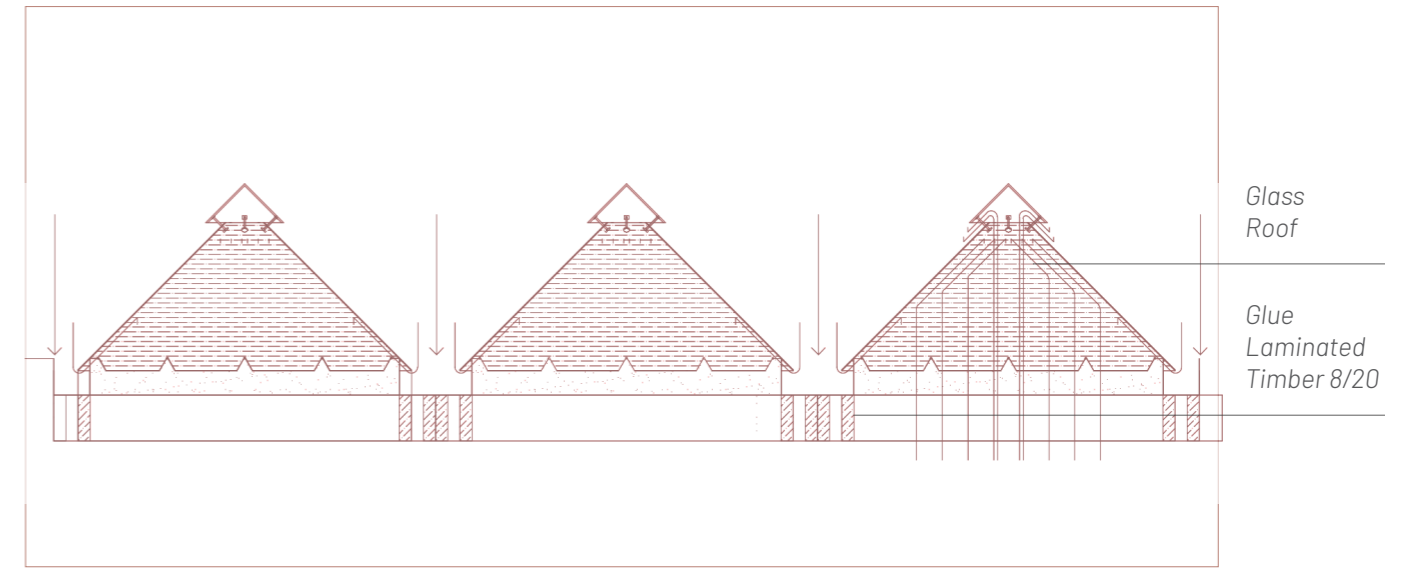
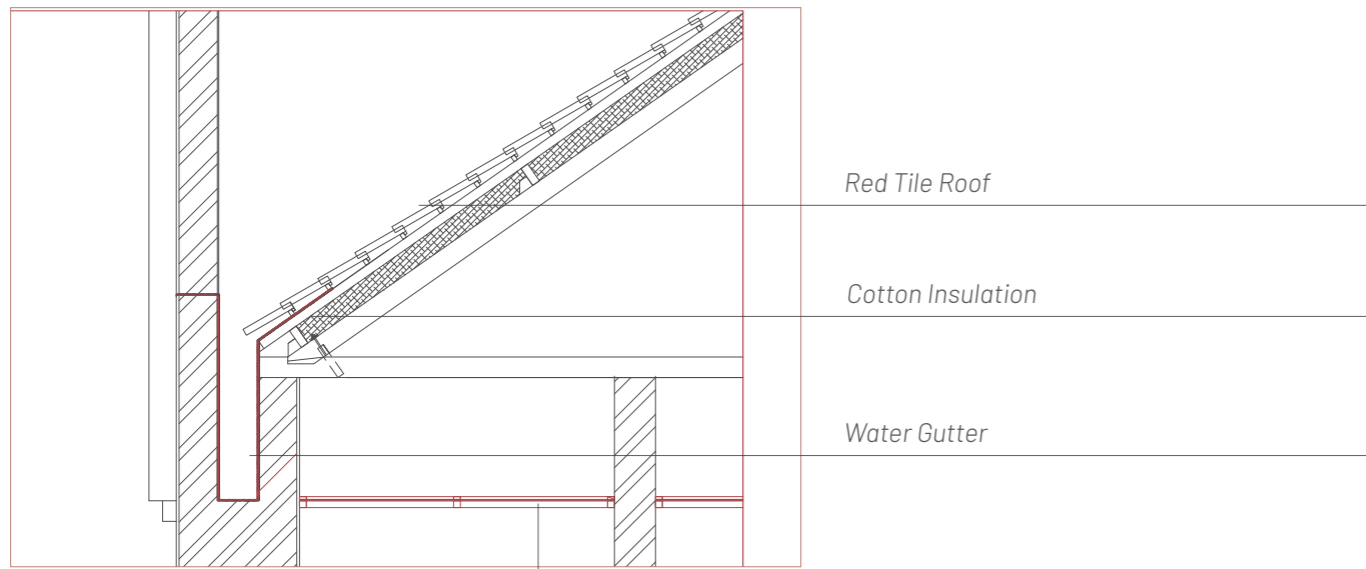
First Floor Plan



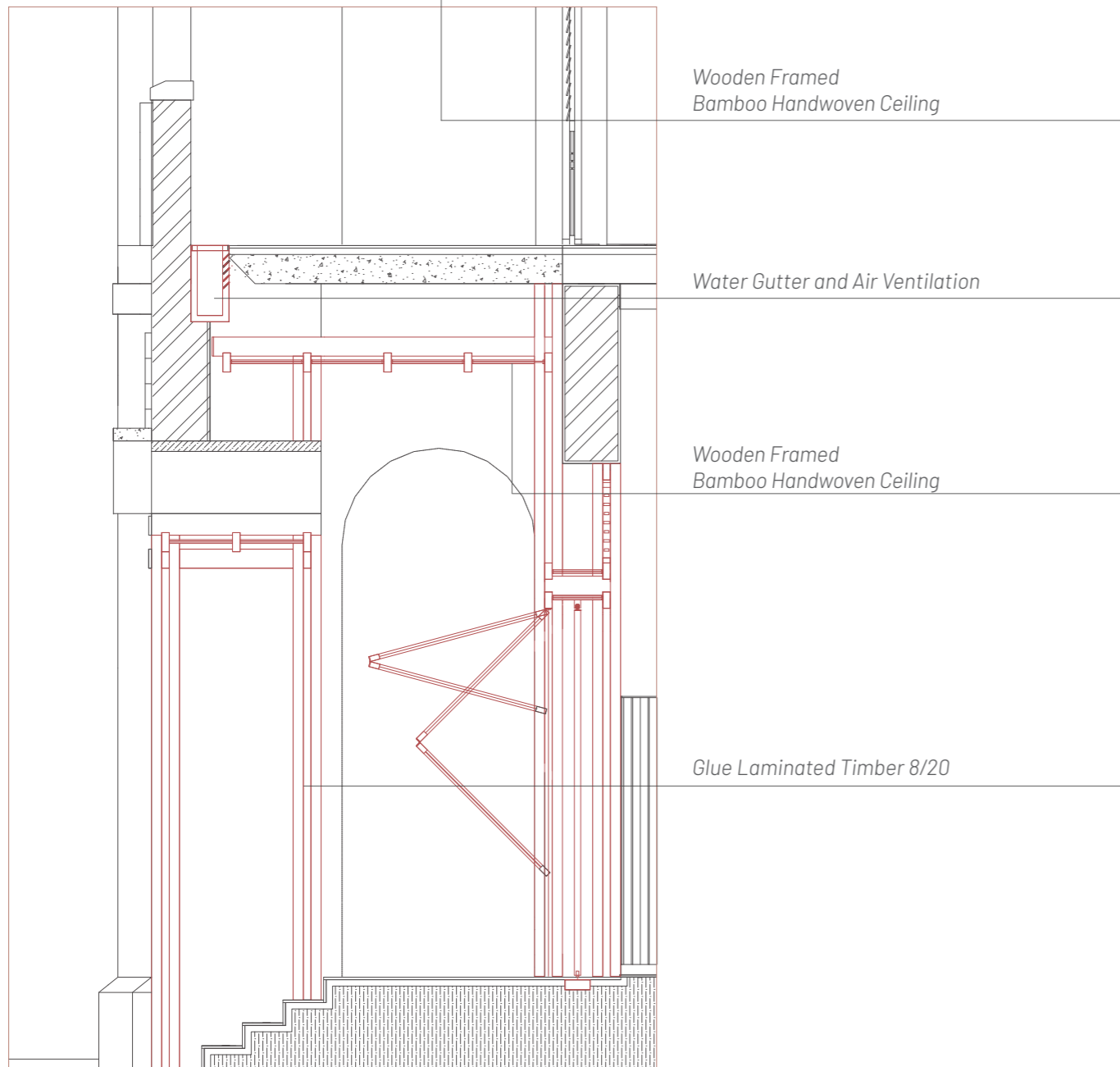
Mezzanine Floor Plan



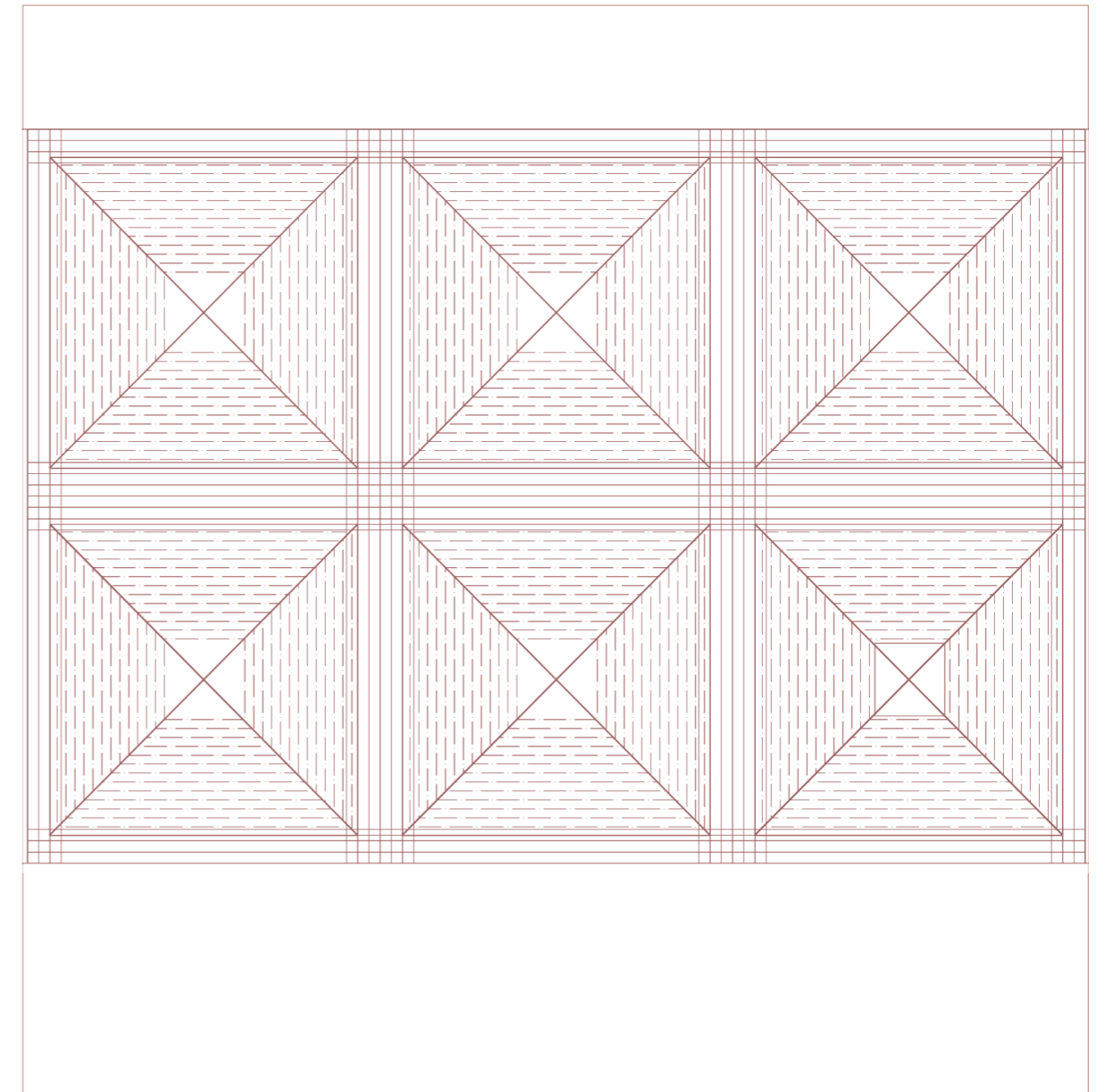
Longitudinal Section



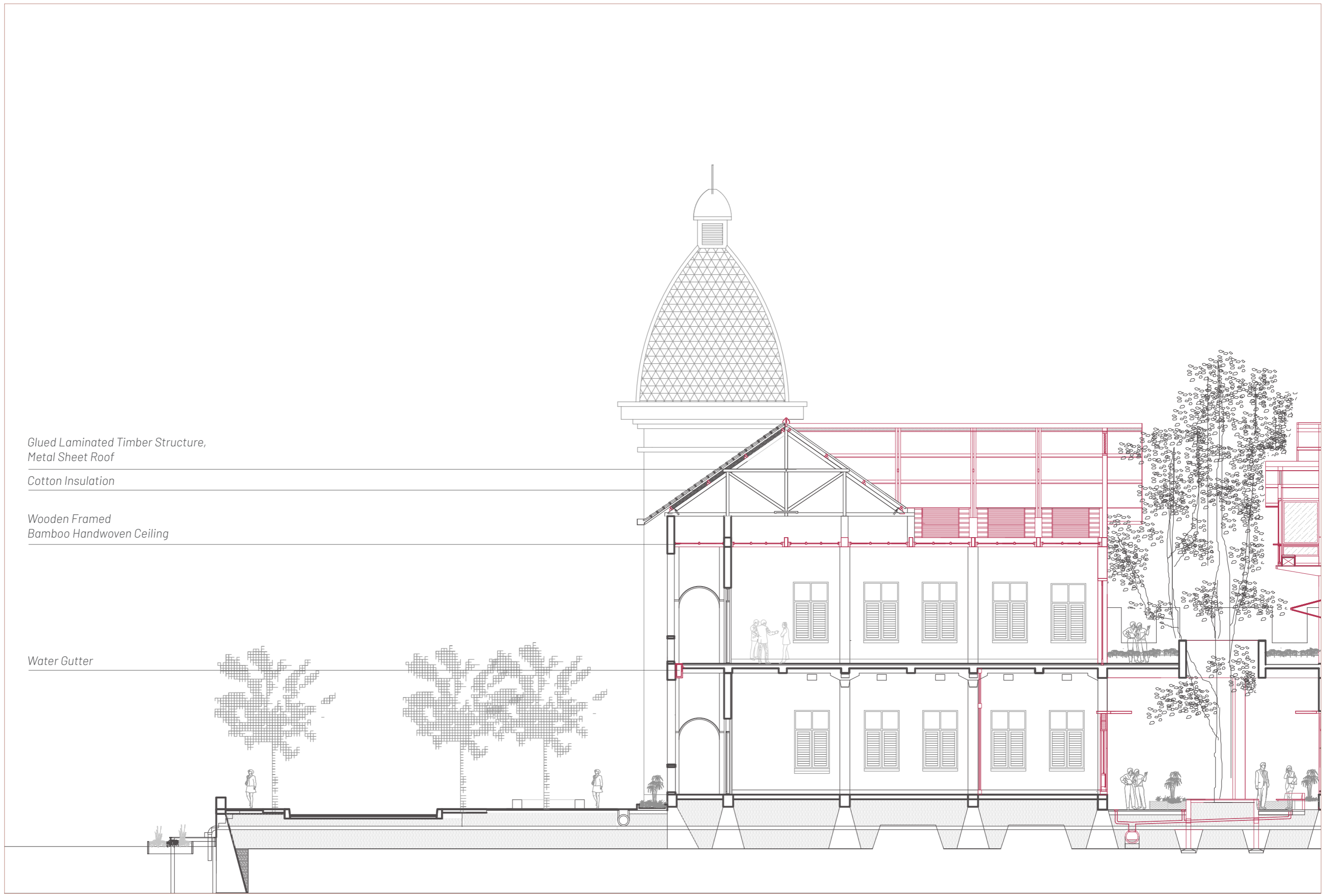
**Section of the Roof Intervention**



**Section of Gate Intervention**



**Plan of the Roof Intervention**



Glued Laminated Timber Structure,  
Metal Sheet Roof

Cotton Insulation

Wooden Framed  
Bamboo Handwoven Ceiling

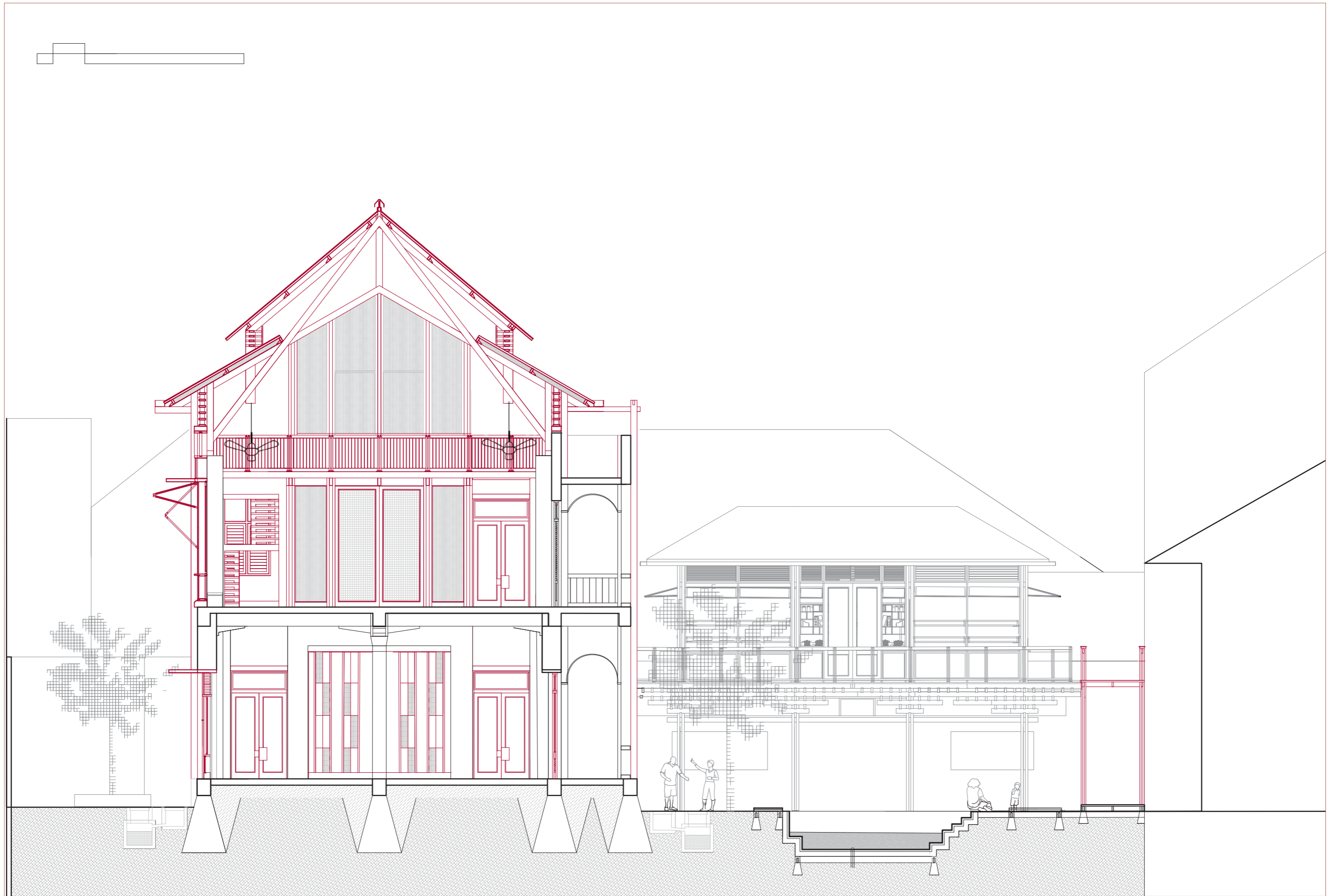
Water Gutter

**Longitudinal Section of The Entrance Area**

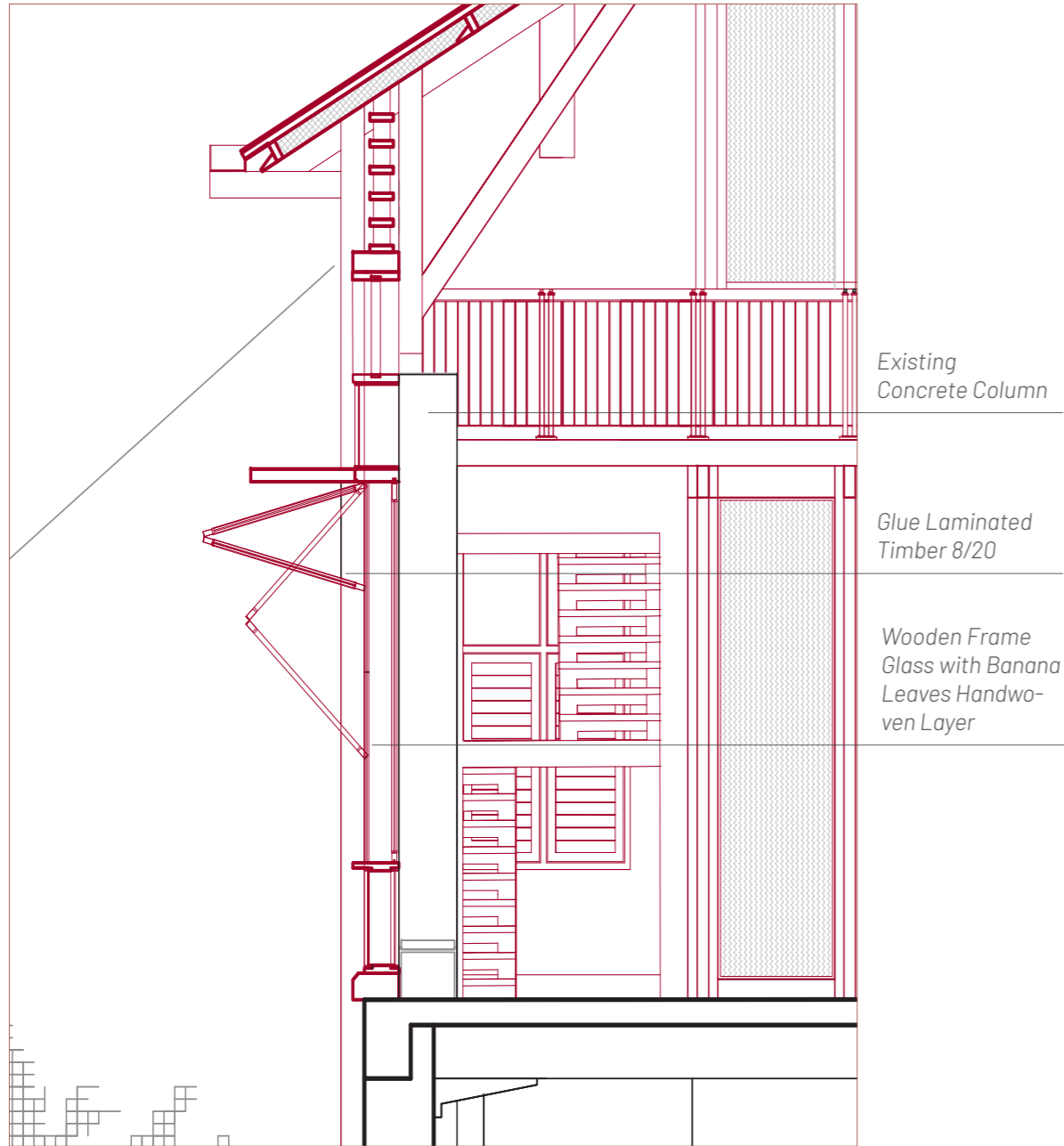




Longitudinal Section of The Office Area



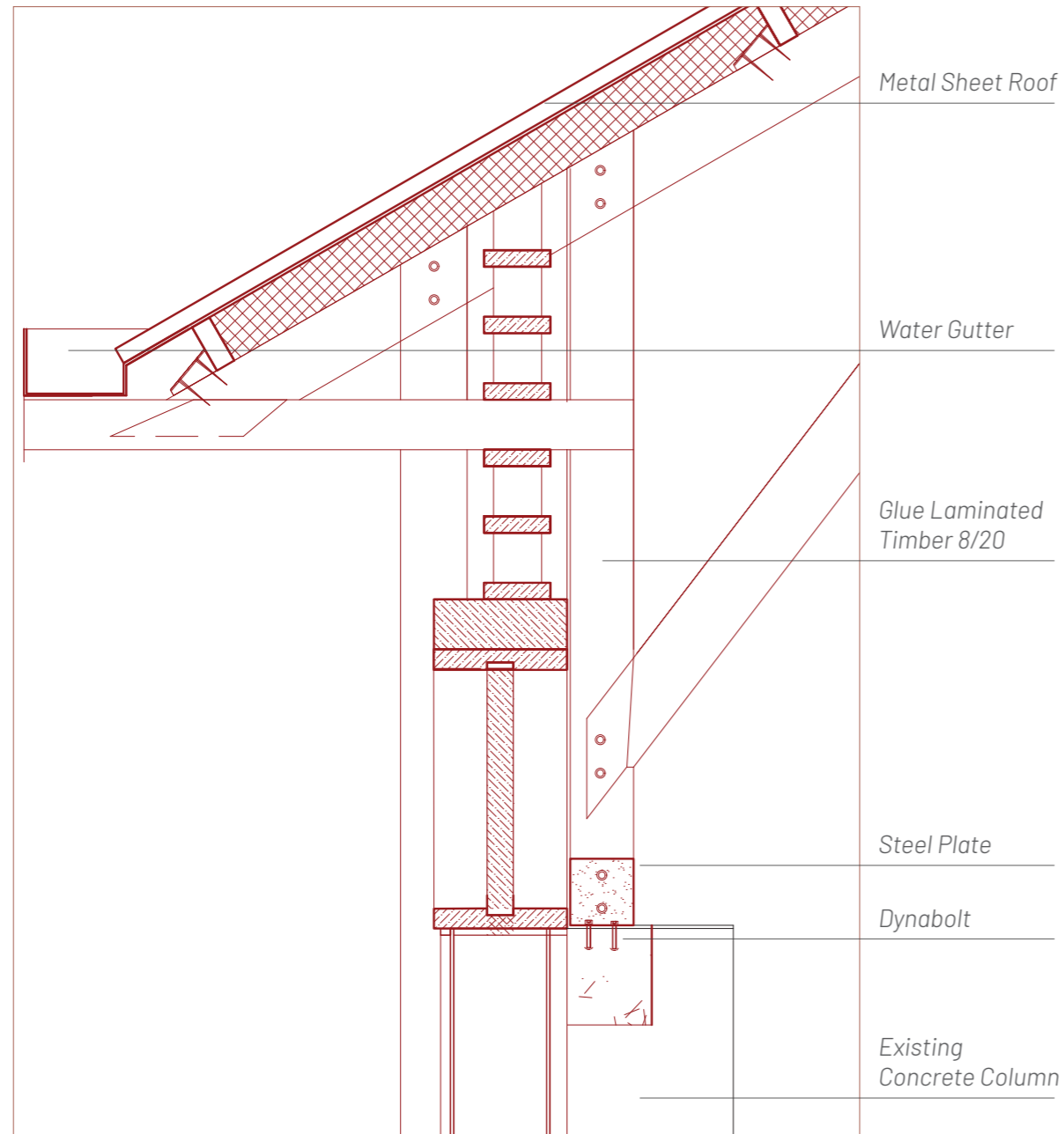
Cross Section of The Office Area



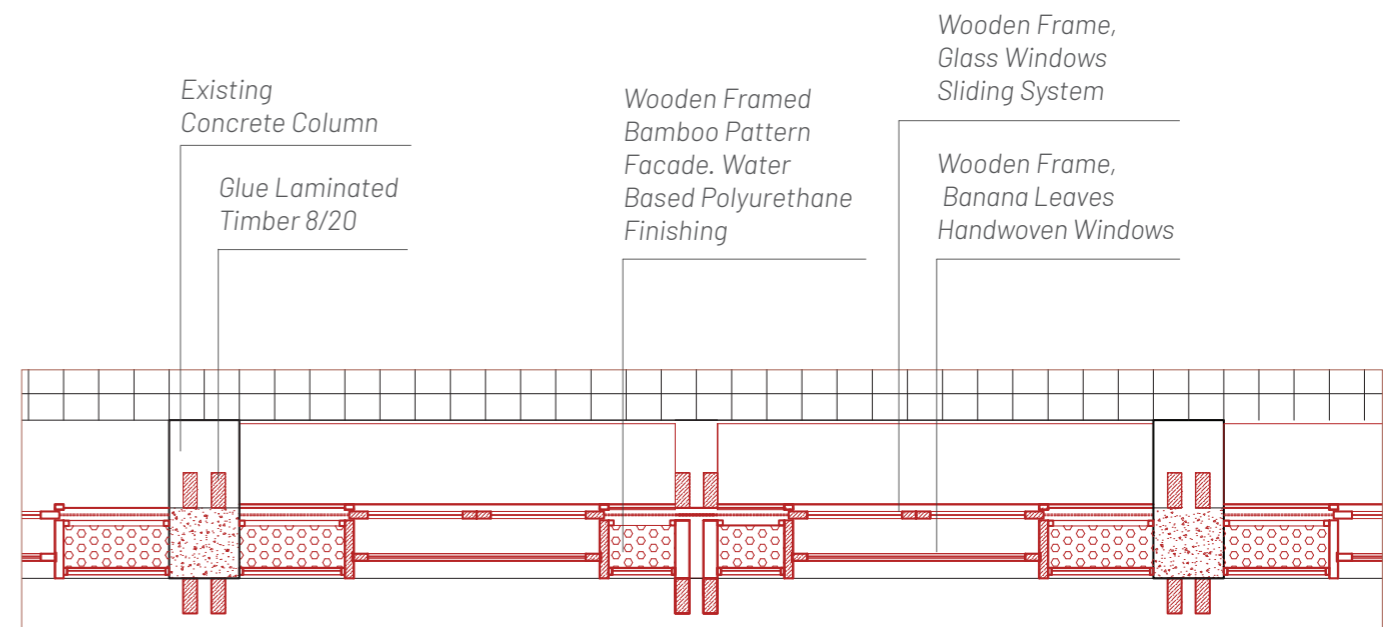
**Cross Section of The Office Area**



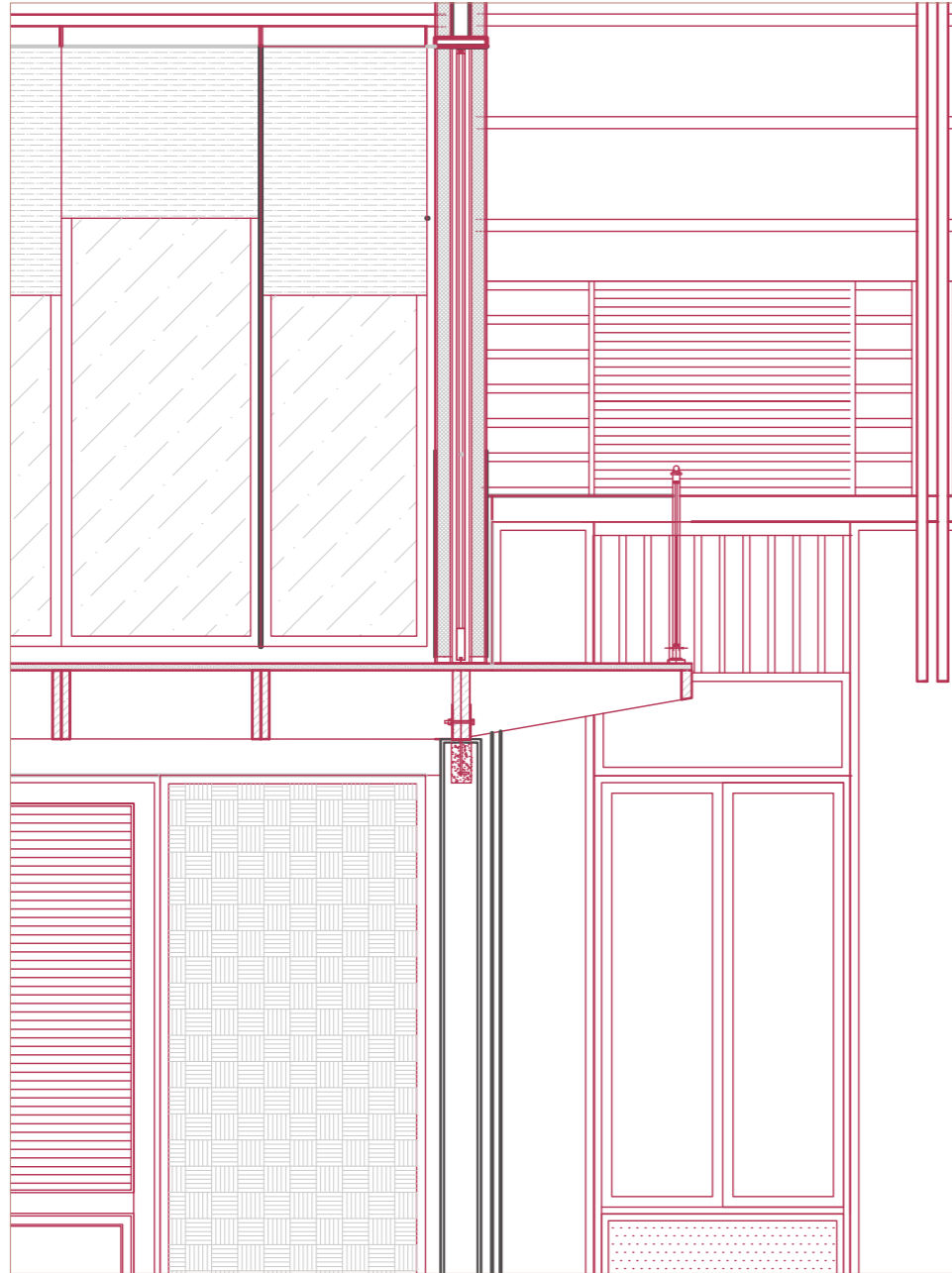
**Elevation of The Office Area**



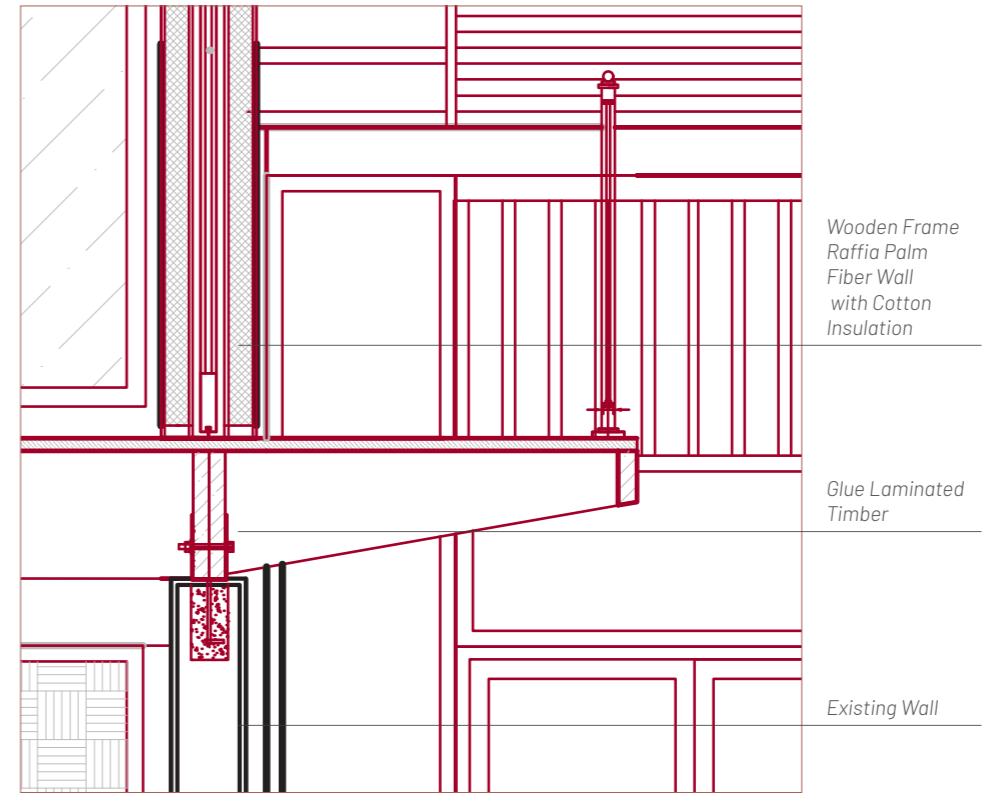
**Detail Section of The Office Area**



**Detail Plan of The Office Area**



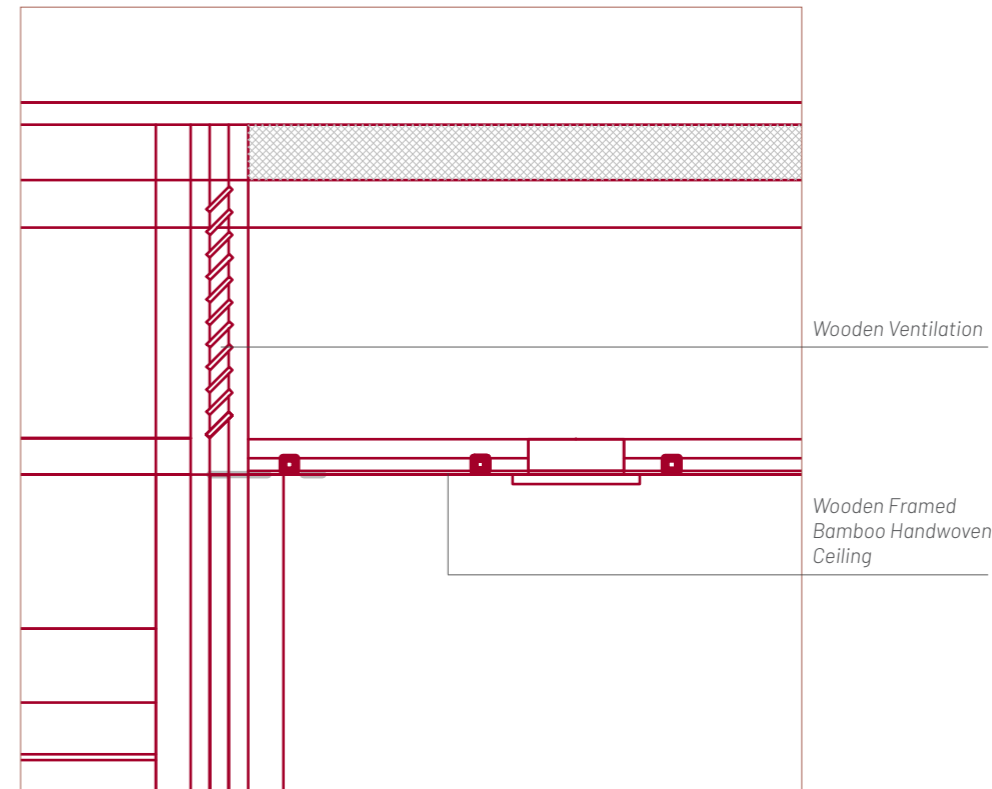
**Detail Section of The Office Area**



Wooden Frame  
Raffia Palm  
Fiber Wall  
with Cotton  
Insulation

Glue Laminated  
Timber

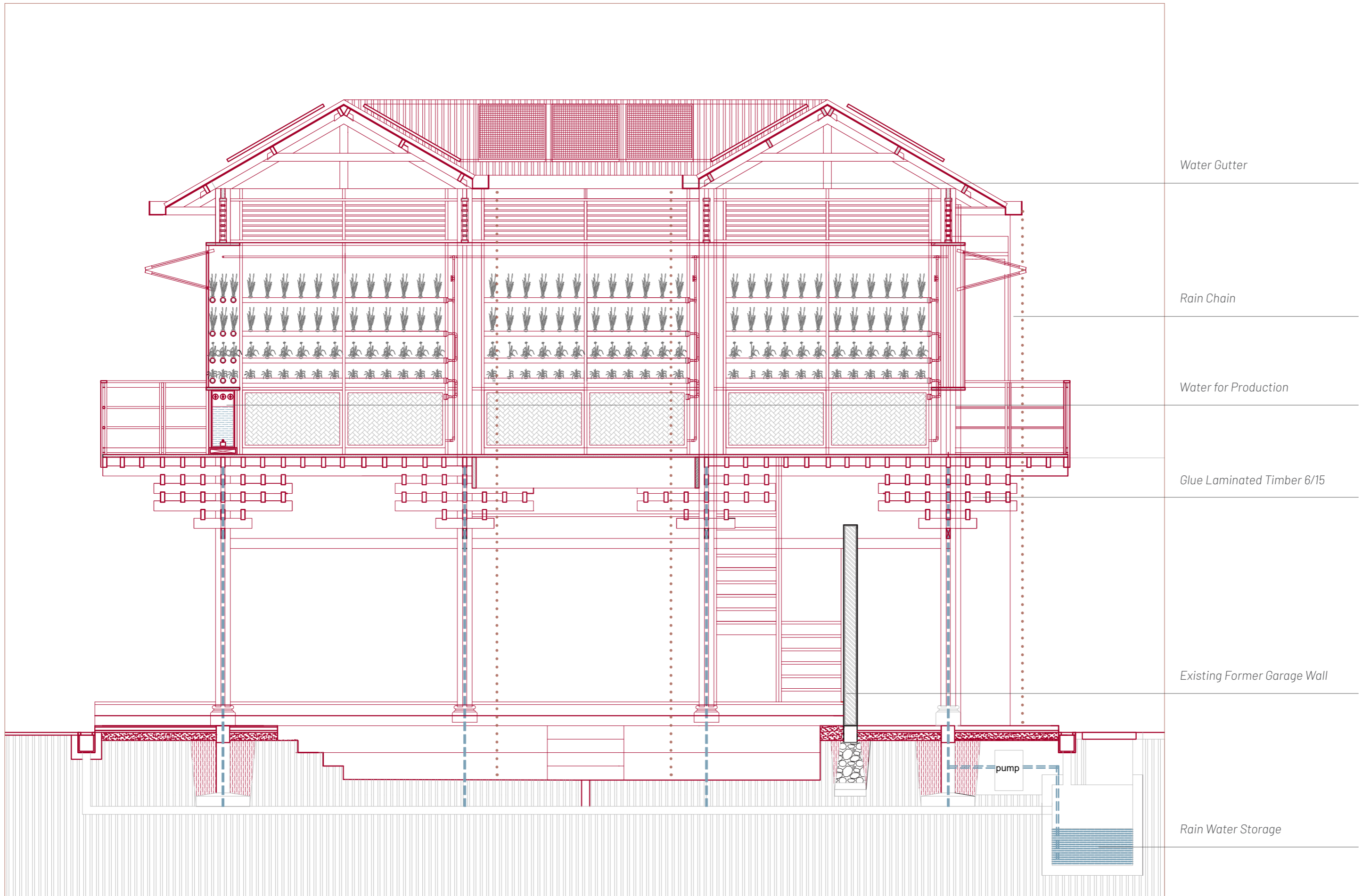
Existing Wall



Wooden Ventilation

Wooden Framed  
Bamboo Handwoven  
Ceiling

**The Mezzanine Detailed Section**



Water Gutter

Rain Chain

Water for Production

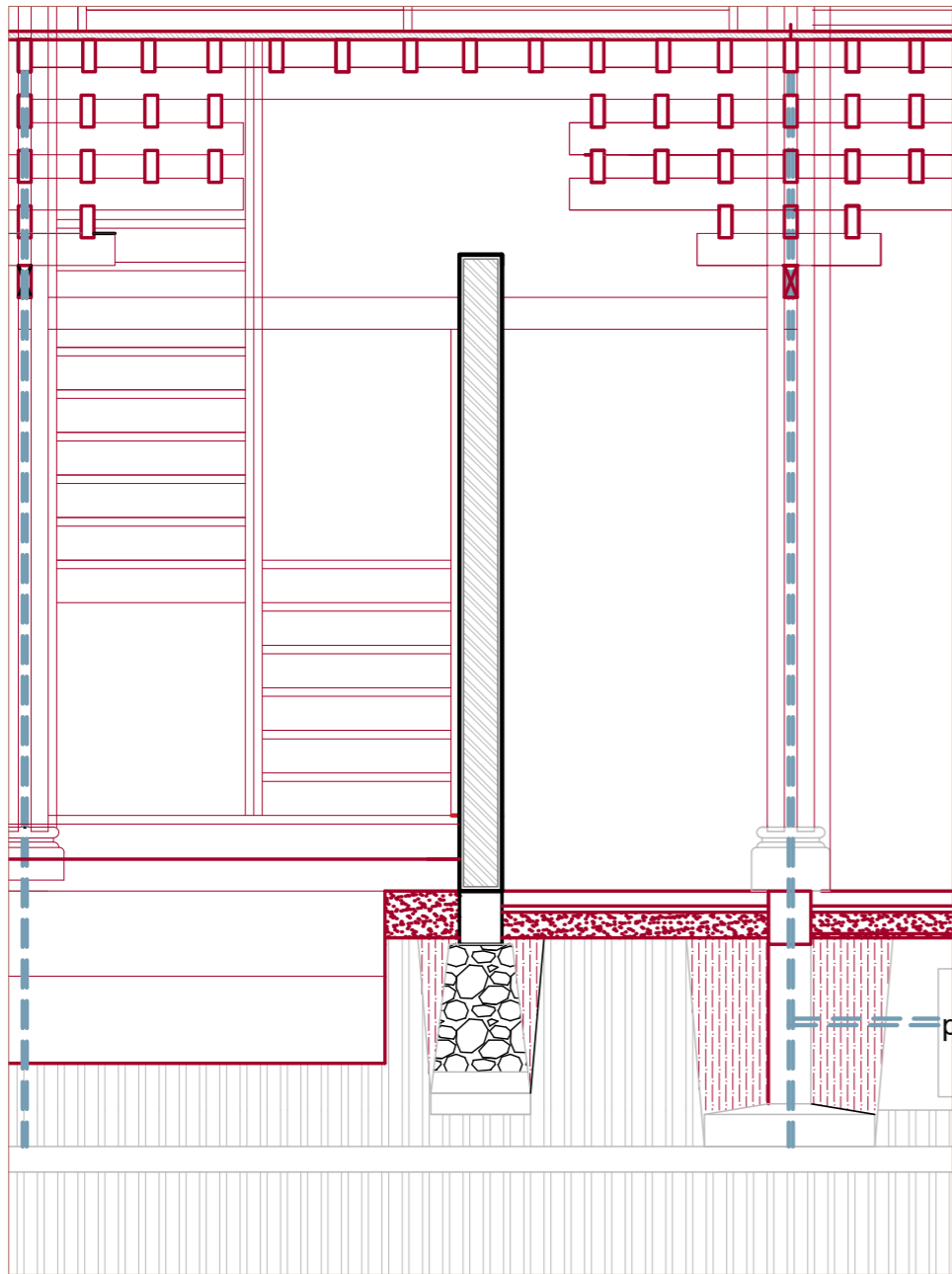
Glue Laminated Timber 6/15

Existing Former Garage Wall

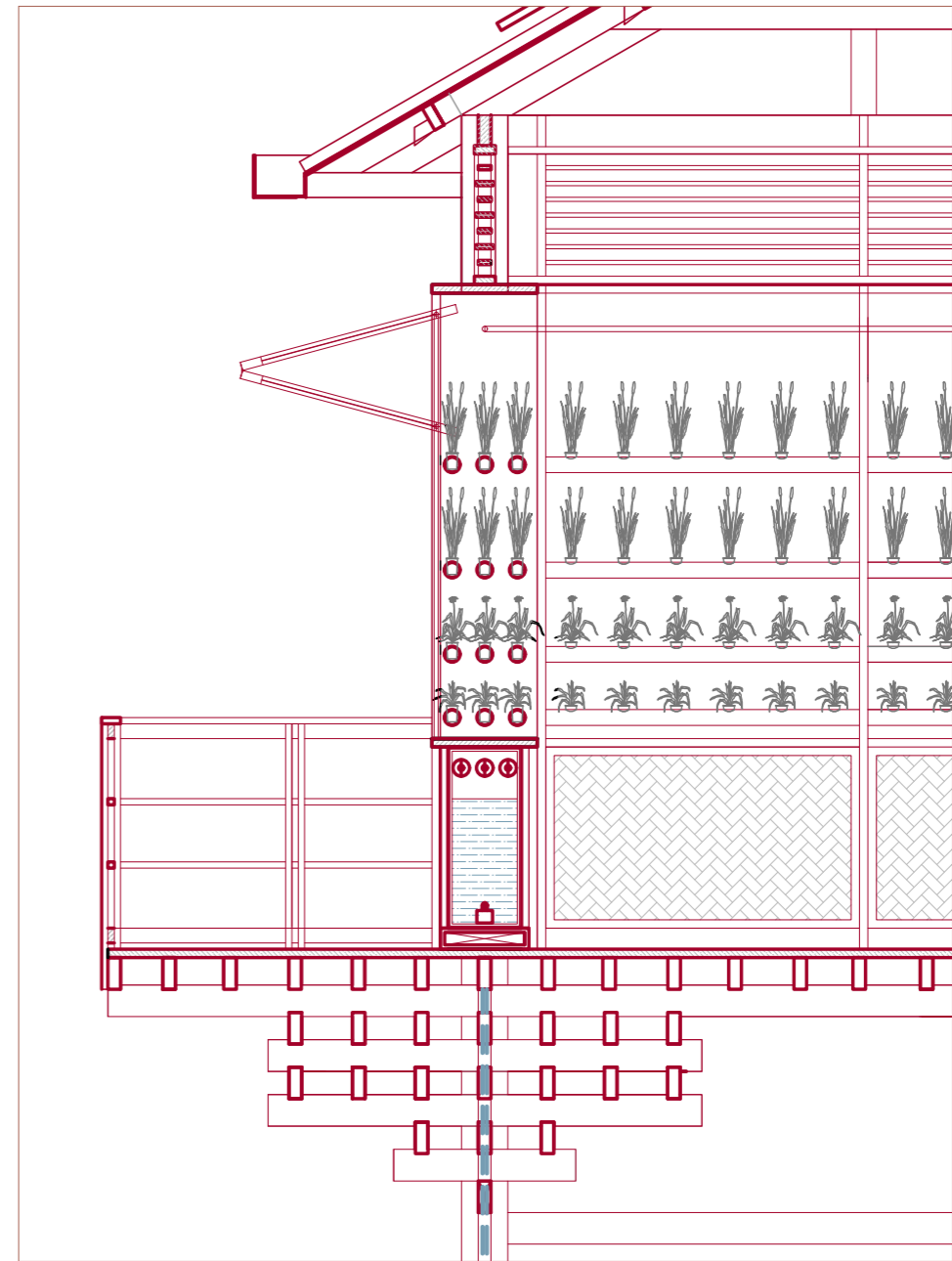
Rain Water Storage

pump

The Elevated Socio-Production Pod Section



Detail Section of The Former Garage Wall



Detail Section of The Production Facade

# Illustration Drawings

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Perspective Section of the Site



The Proposal as Seen from the City



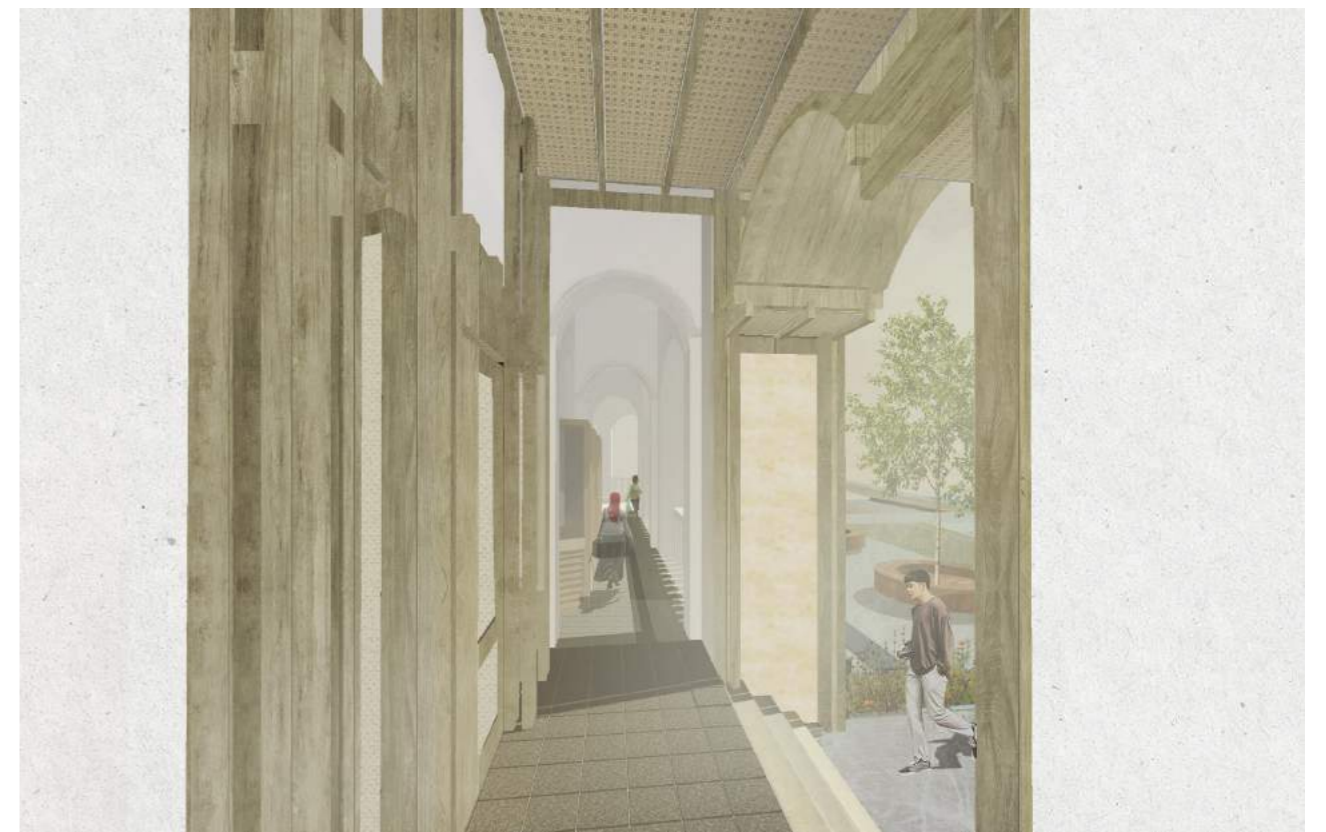
Lobby and Information Desk Area



Purchasing Point Area



Main Stairway Area, Upper Floor



Gate Intervention



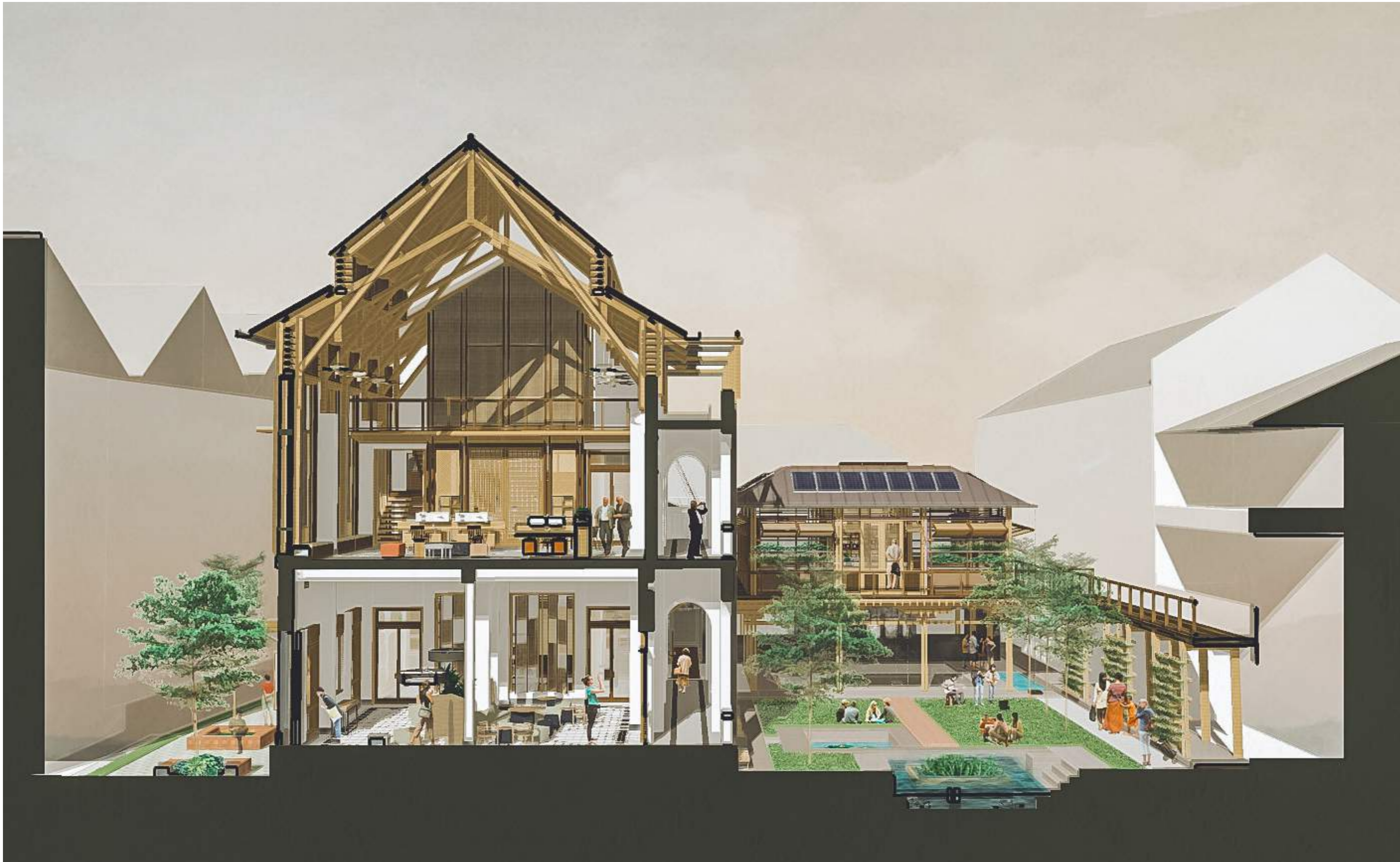
Interventions of the North-Facing Facade



The Preserved South-Facing Facade



Co-Operative Staff Communal Working Area



Co-Operative Staff Communal Working Area



Contemplation Space



Archive Room



Archive Room



**Outdoor Social and Contemplation Space**



**The Building as Seen from the North Tower Access Route**



**Semi Outdoor Social and Contemplation Space**



**The Courtyard**





The Elevated Socio - Production in Relation to the Courtyard and Neighboring Buildings



The Elevated Socio - Production in Relation Rain



**The Elevated Socio - Production in Relation as seen from the Existing Building Corridor**



**Ground Floor - The Elevated Socio - Production on Sunny Day**



**Upper Floor - The Elevated Socio - Production, Production Area**



**Upper Floor - The Elevated Socio - Production, Packaging Area**

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Faculty of Architecture, Urbanism, and Building Sciences

Architecture Track

2019 - 2020