A Framework For Constellating Bandung

Shared Heritage Lab
Heritage & Architecture
P5

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SHARED HERITAGE LAB

01 // How heritage sites and buildings can contribute to the future of former colonial cities

02 // How to give new meaning and use to this environment, taking history, present and future into account

03 // Shared Heritage takes on crucial built heritage issues as investigations and attempts to discover how it can be a driver for sustainable development
01. Introduction

GOAL OF THE STUDIO

How to evolve the railroad of Bandung, in order to realise inclusive, thriving and healthy environments for working, living and leisure
01. Introduction
01. Introduction
01. Introduction
01. Ambitions

Bandung, Indonesia
Context of The Railway

1. The railway that once was the core of servicing system that was feeding the areas around it, either in terms of the military or industrial sector is now a physical boundary between the north and south regions of the city.

2. The Railway line contributes to a significant extent to the traffic problems.

3. Social inequality and segregation between the formal and informal areas of the city.
The Problem

The railway is today acting as a no-go zone throughout the whole middle section of the city.
Segregation

Problem Statement:

“The current correlation of Bandung’s urban structure from north to south through the railway track is not done in an integrated and approachable way”
The dancer / performer

The musician

The Artist / Handcraft

The street sport
Qualities

Parks
Green streets
Sports Facilities
Human Scale
Arts
Urban Fabric
Flexibility
Community
Mix use
Mix of Materiality
StreetScape
Plants & Fresh Air
Meeting points
Street formation
Music Industry

01. Ambitions
01. Ambitions

Railway becomes a **green zone**

Sites around the railway **transformed** for the **communities**

A more **sustainable** city
01. Ambitions

Sustainable flow in the city

Healthy city

Create community spaces

Integrated conservation

Integration between neighborhoods

Educate the city
02. **Strategy**

- Cultural Value
- Program
- Urban Strategy
1910

1921

1921 - 1942

1921 - 1942

1946 - 2017
Transport goods → Inspection → Storage → Distribution to military community
Central Axis

Unique Timber Roof

The Trolley Track

New Communities

The Wall

The Flexibility

02. CV | Program | Urban Strategy
Intervention Location
Research by design

- Process work
Research by design

- Process work
Research by design

- Process work
Nurture

- Position decision
Centralize
Natural
- Research by design
- Positioning the program

Bigger interventions on the west side

Different programs
Removing

- Re-use
Integrate

- Move the waste / buildings to another empty - adapted area
Direct Connection | Adapt Tram System

- Area in front of the complex becomes a meeting point
New Semi Axis

- Make use of the passages
Opening Up

- Opening up according to program concept and the program function
Main Circulation

- The sides becomes a programmatic circulation, whilst the mid part is revitalizing the site's historic past
Bridging The Site

- Building are connected through internal circulation
- Trolley track is back
- Connecting the storages from both sides
Preserving The Typology
03. Implementation / Interventions
View | Icon | Materiality
Entrance
03. Implementation | Entrance
Entrance
03. Implementation | Entrance

Entrance
03. Implementation | Axis

Axis | Street formation | Typology
Axis | Street formation | Typology
Mix Use | Program
Meeting Points
03. Implementation | Meeting points
Climate Concept

- Solar panel
- Cross ventilate
Climate Concept

- Water storage
- Green area
03. Implementation | Connections
Skate-bowl / Meeting point / Theater

- Enhancing the timber structure
- Connection to trolley track
Skate-bowl / Meeting point / Theater

- Natural light
Skate-bowl / Meeting point / Theater

- Problems with existing Structure
03. Implementation | Timber Roof

Detail - Roof
03. Implementation | Gutter

Detail - Gutter

01: Corrugated Steel  02: Timber  03: Waterproof Membrane  04: Gutter  05: Window  06: Brick Wall  07: Timber support
The In-Between zone - Circulation
The In-Between zone - Circulation
The In-Between zone - Circulation
The In-Between zone - Circulation
The In-Between zone - Concept
The In-Between zone - Materiality
The In-Between zone
The In-Between zone
Connection between In-Between and program
Connection between In-Between and program
Connection between In-Between and program
Connection between In-Between and program
Connection between In-Between and program
Zooming into intervention structure
Zooming into intervention structure
Glulam Timber Column
Woodworking - Ancient Building Technology
Program lifted up for climatic reasons
Bamboo Facade & Balustrade
Climate concept
Connection between In-Between and program
Connection between In-Between and Facade
03. Implementation | Detail

Detail - New / Old structure / Gutter

01: Steel Holder  
02: Bamboo  
03: Gutter  
04: Brick  
05: Timber floor  
06: Floor Joist  
07: Acoustic Layer  
08: Beam  
09: Glulam Column  
10: Beam  
11: Steel Plate

03: Implementation | Detail
Bridging the structures
Bridging the structures
Bridging the structures
Bridging the structures
Theater / Multi-functional room
Theater / Multi-functional room / Daytime
Theater / Multi-functional room / Nighttime
Theater - Industrial look - Trolley Track
Theater - Industrial look - Trolley Track
Theater - Industrial look - Trolley Track
03. Implementation | Theater

Theater - Industrial look - Trolley Track
03. Implementation | Theater

Detail - Dealing with acoustics
Vertical / horizontal connection
Music hall
Music hall - Different surfaces
Music hall - Atmosphere & Materiality
Urban Fabric & Community Feeling
Urban Fabric & Community Feeling
01. Ambitions

Showcase

Influence

Example