INTERVENTION OF THE CONTEXT

Original Historical Garden
Insert a new walking route into the outer range of garden
Extending the landscape of garden following center axis.
My botanical exhibition center design is at the end of the spatial sequence.
Axonometric Perspective of Structure:

- Glass room
- Timber deck
- Purlins
- Timber framework & timber grid beam
- Timber columns
- Concrete wall
- Concrete strip foundation & slab foundation
- Grass plant in the slope

1. Solar-tracking louvers
2. Rotating bar
3. Steel joint
4. Timber battens in three directions

Diagonal grid roof system

- PV panels
- Concrete and asphalt

Construction Steps & Seismic Strategy:

1. Concrete strip foundation and concrete wall was placed in 1.5 meters below the ground level.
2. Timber column stands on the stiff concrete base to resist the earthquake force.
3. Timber grid roof is lightweight and flexible.

CLT - Cross Laminated Timber wall (Load-bearing Element)

- CLT wall
- Steel anchor support
- Strip foundation

Steel dowel inserted into the crossbeam