

# **THE THREE LEVELS OF ECOLOGY: IMAGINING AND DESIGNING ECOLOGICALLY**

**IURC-China Thematic Webinar: Green and Sustainable Buildings  
IURC-China**

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# **A Dancing Pavilion in Chengdu**

## **A landscape exoskeleton for an old pavilion**

**First level of Ecology:  
IDEAS**

**Second level of Ecology:  
DESIGN**

**Third level of Ecology:  
DETAILS**

First level of Ecology:  
**IDEAS**

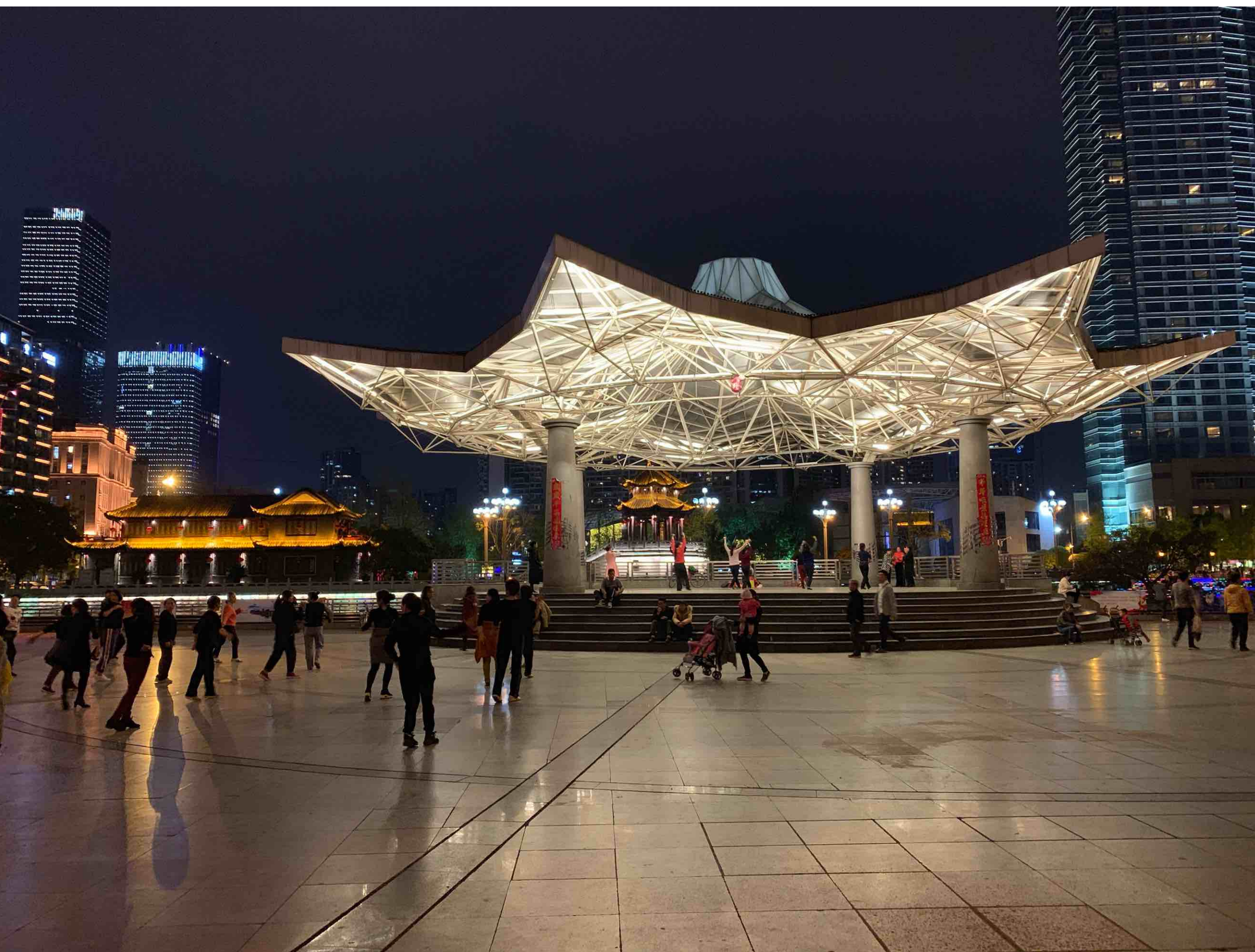
**RE-USE AN EXISTING PAVILION - CHENGDU**



First level of Ecology:  
**IDEAS**

**A DANCING PAVILION**





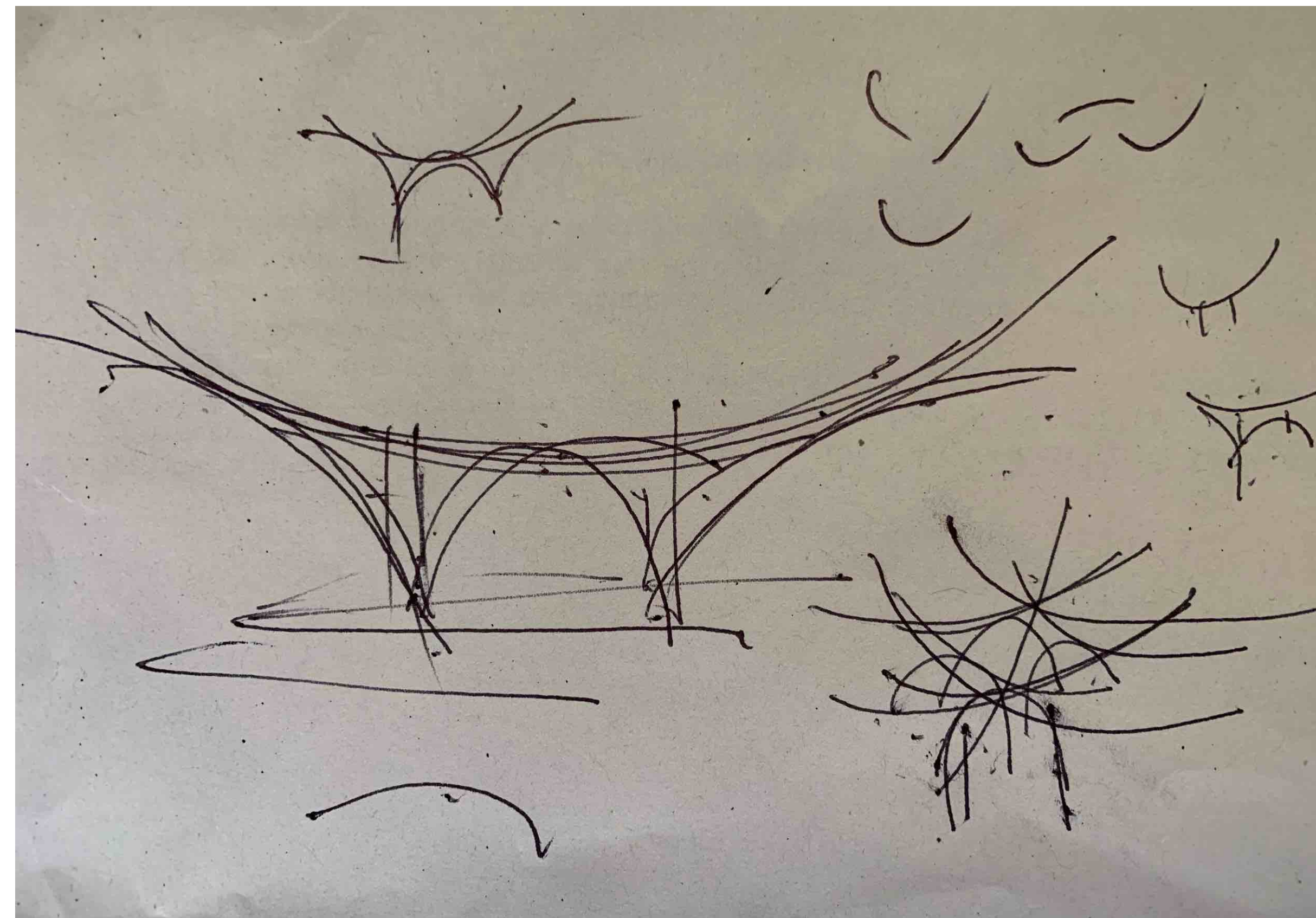
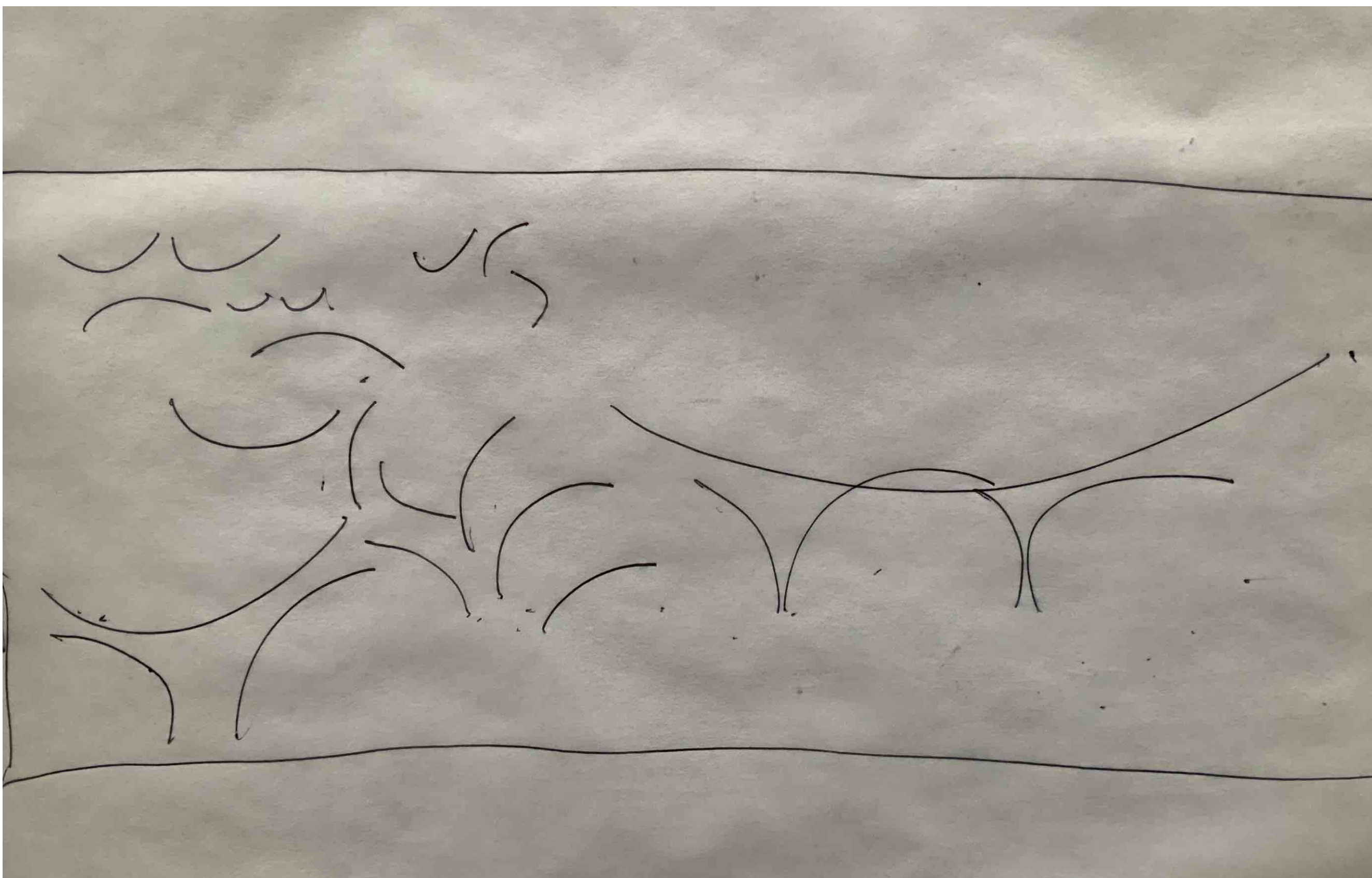
**The existing pavilion**





A Dancing Pavilion

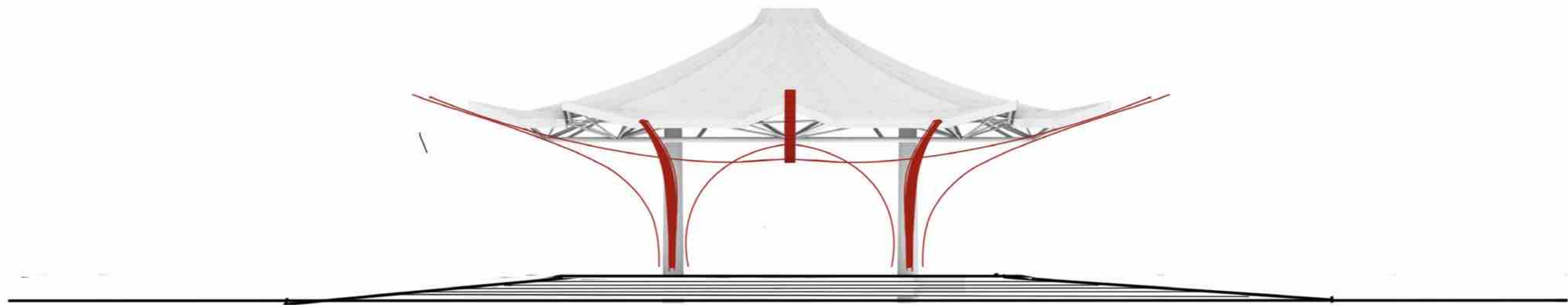
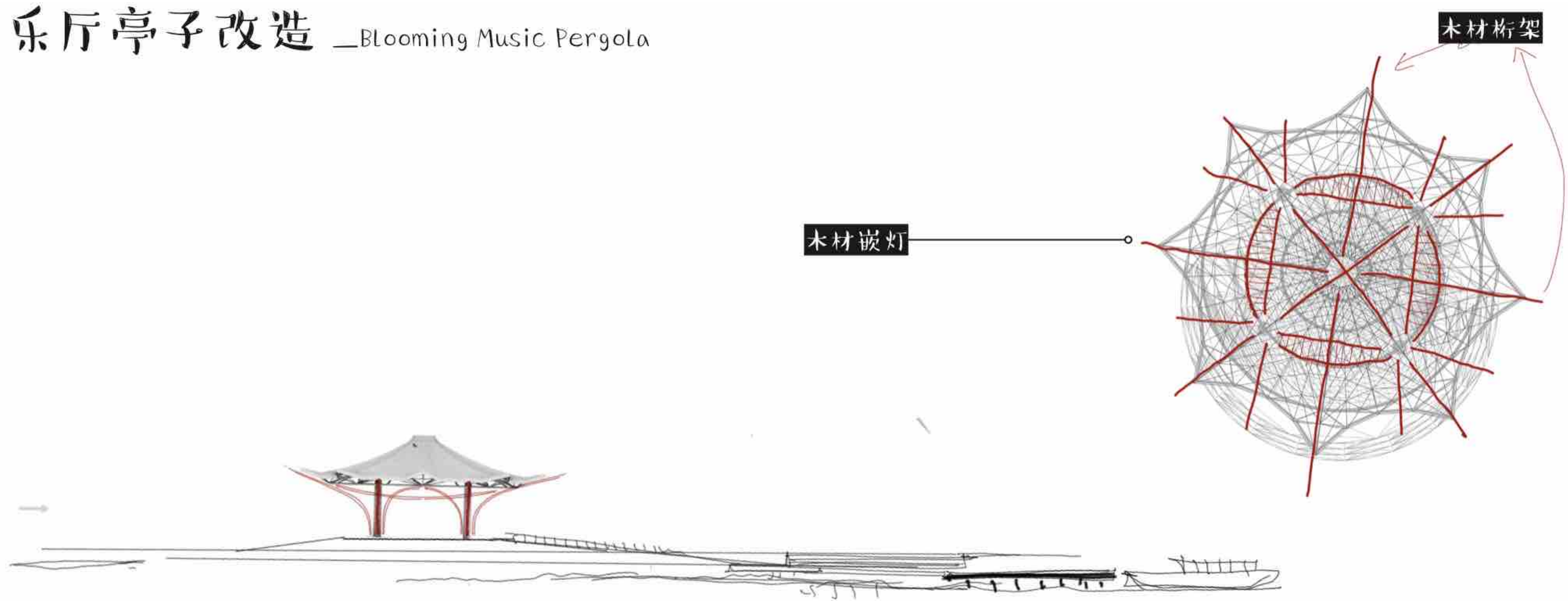




Second level of Ecology:  
**DESIGN**

# **THE INVENTION OF AN EXOSKELETON**





# 音乐厅亭子改造 — Blooming Music Pergola



Locally Sourced Wood

改造立面



改造透视















Third level of Ecology:  
**DETAILS**

**USING CORTEN STEEL FOR DETAILS**











# **Gardens Villa Museum - China**

First level of Ecology:  
**IDEAS**

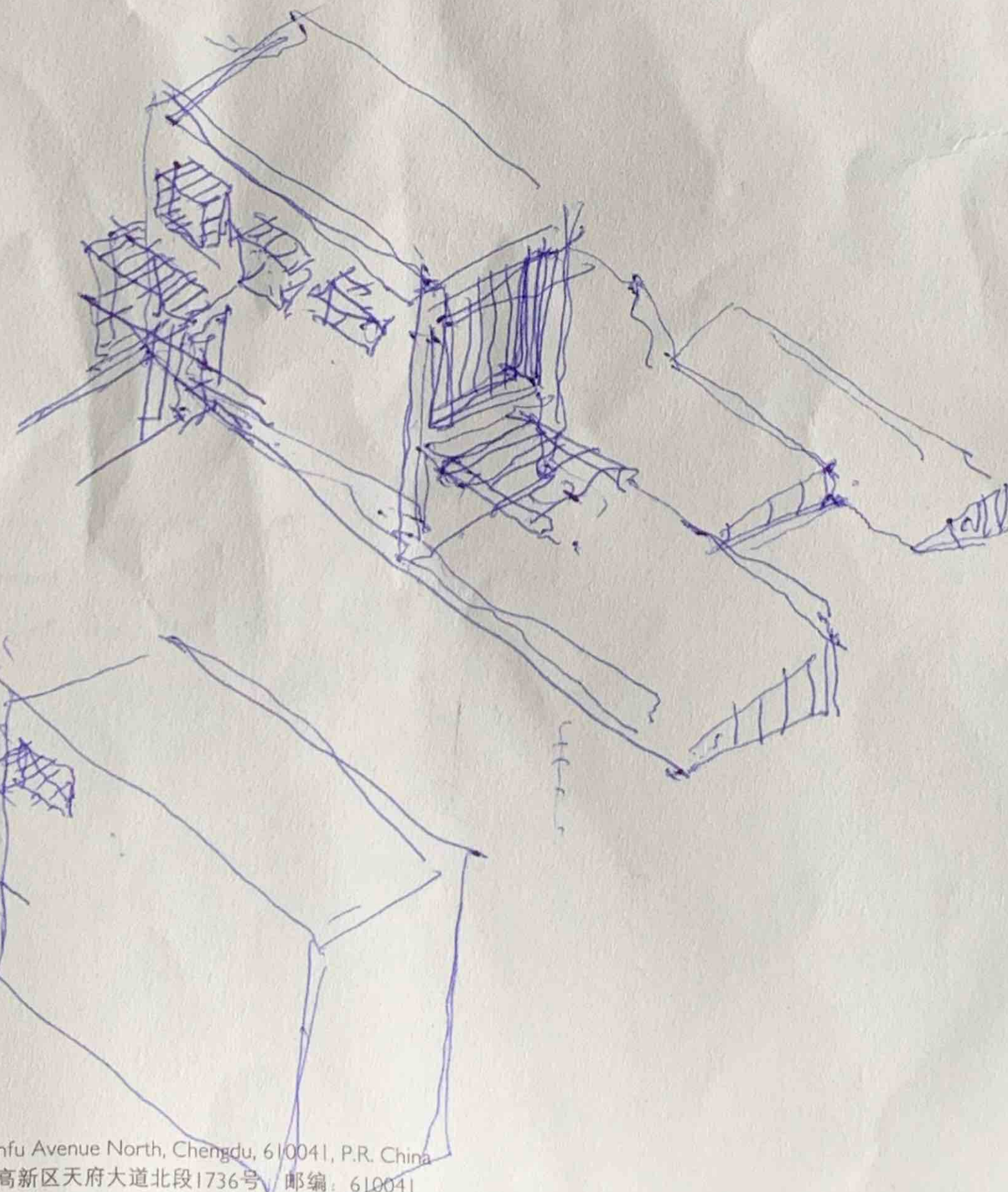
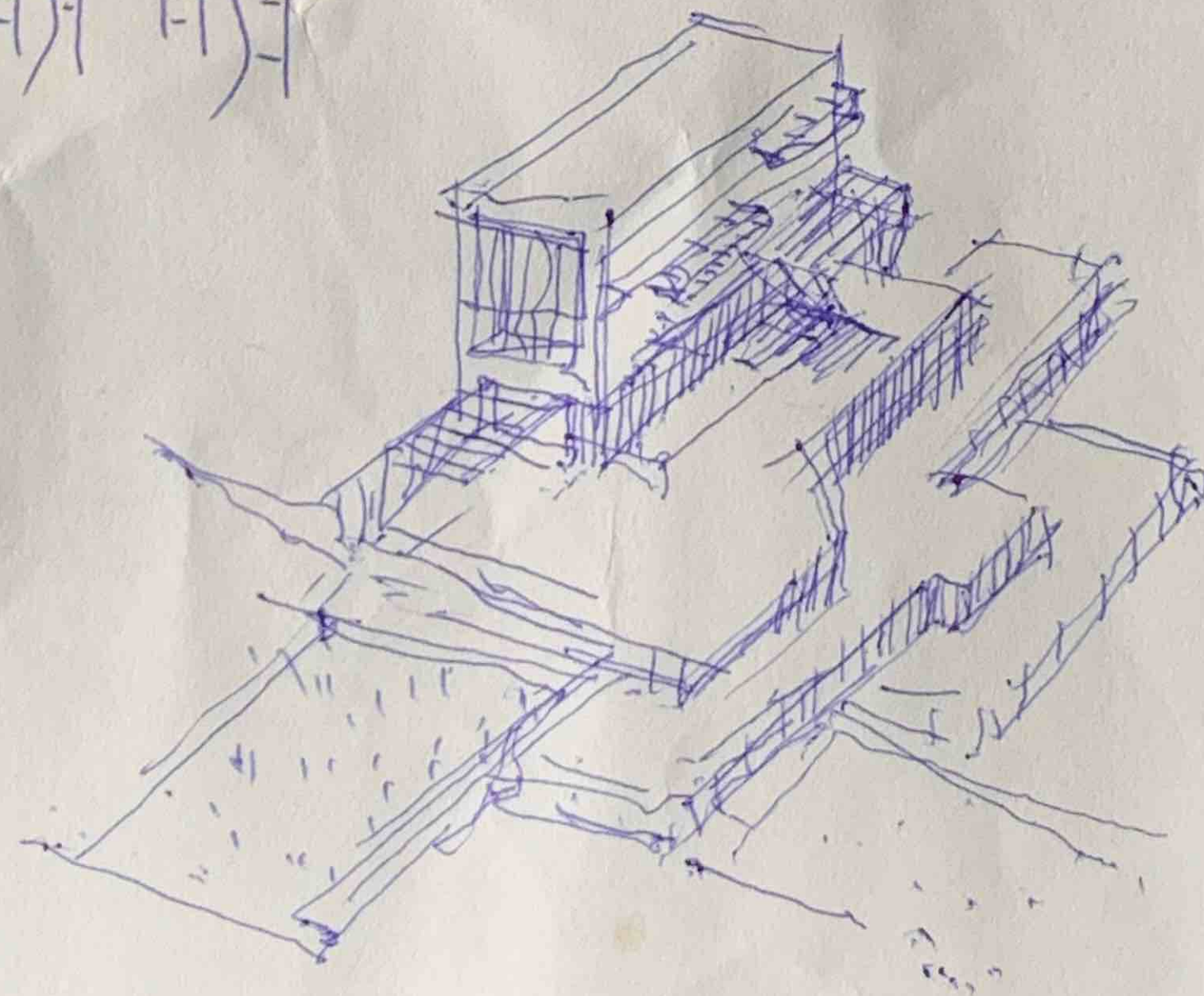
**COLLECTING GARDENS**



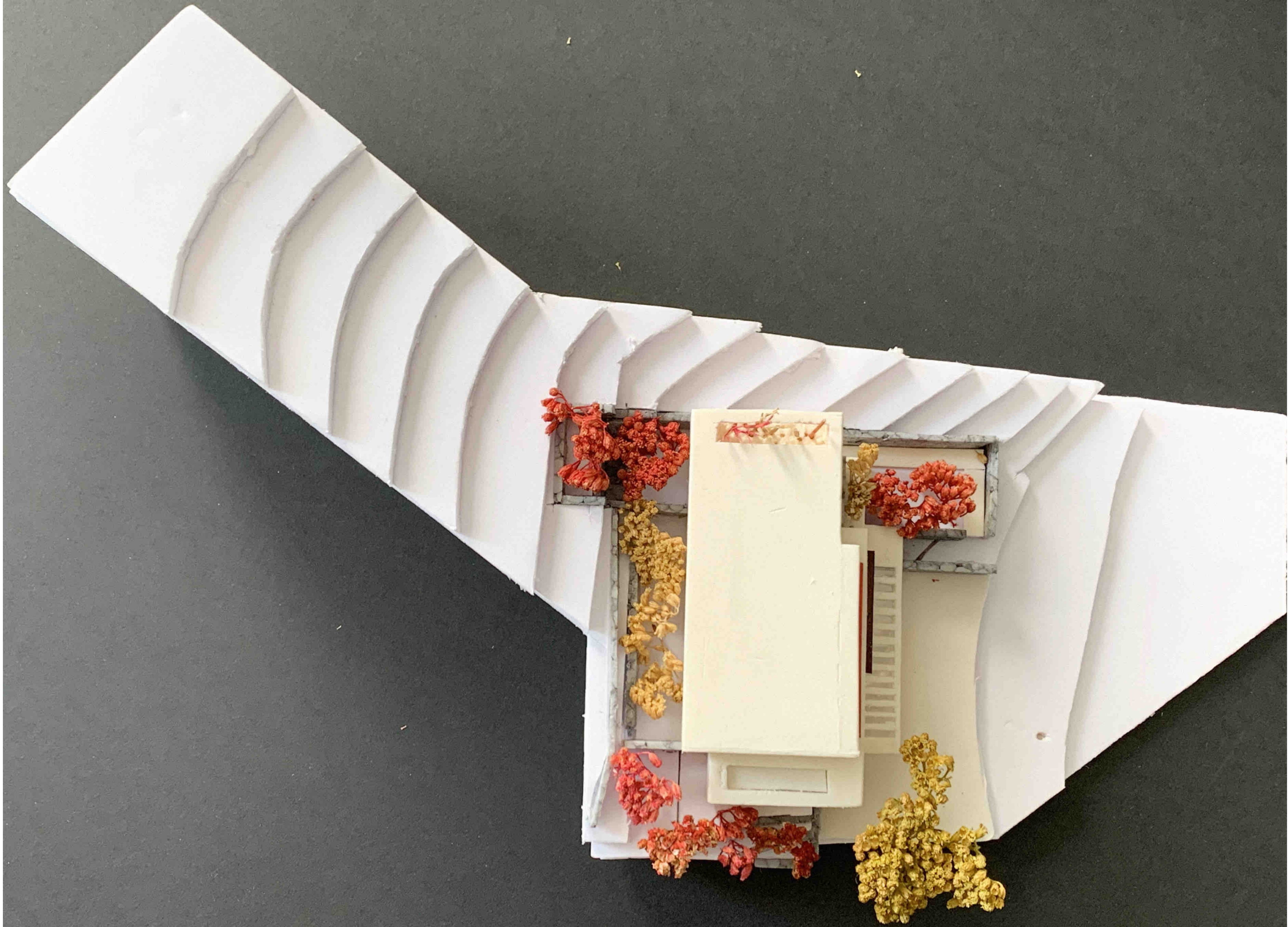
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明明







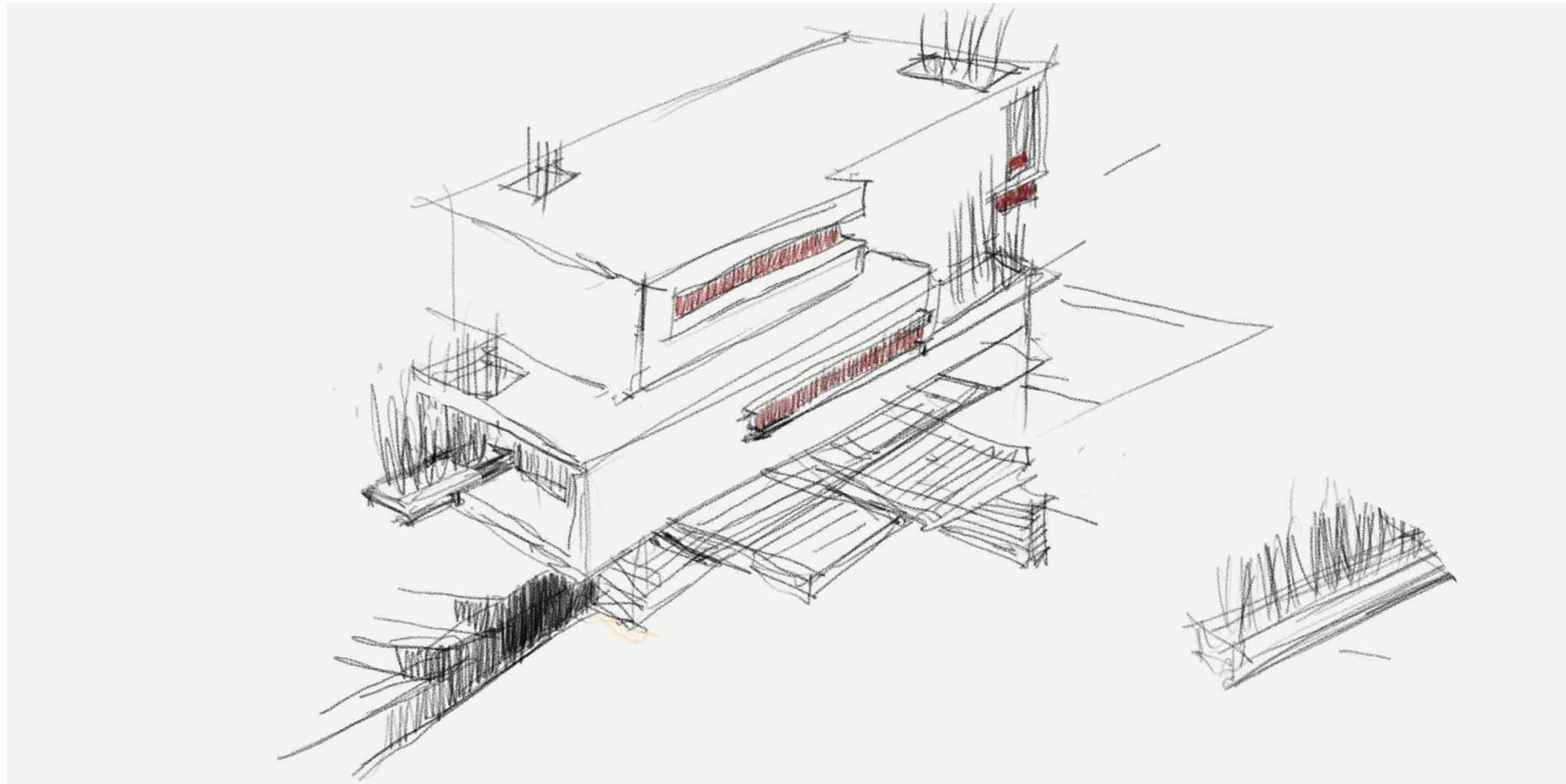
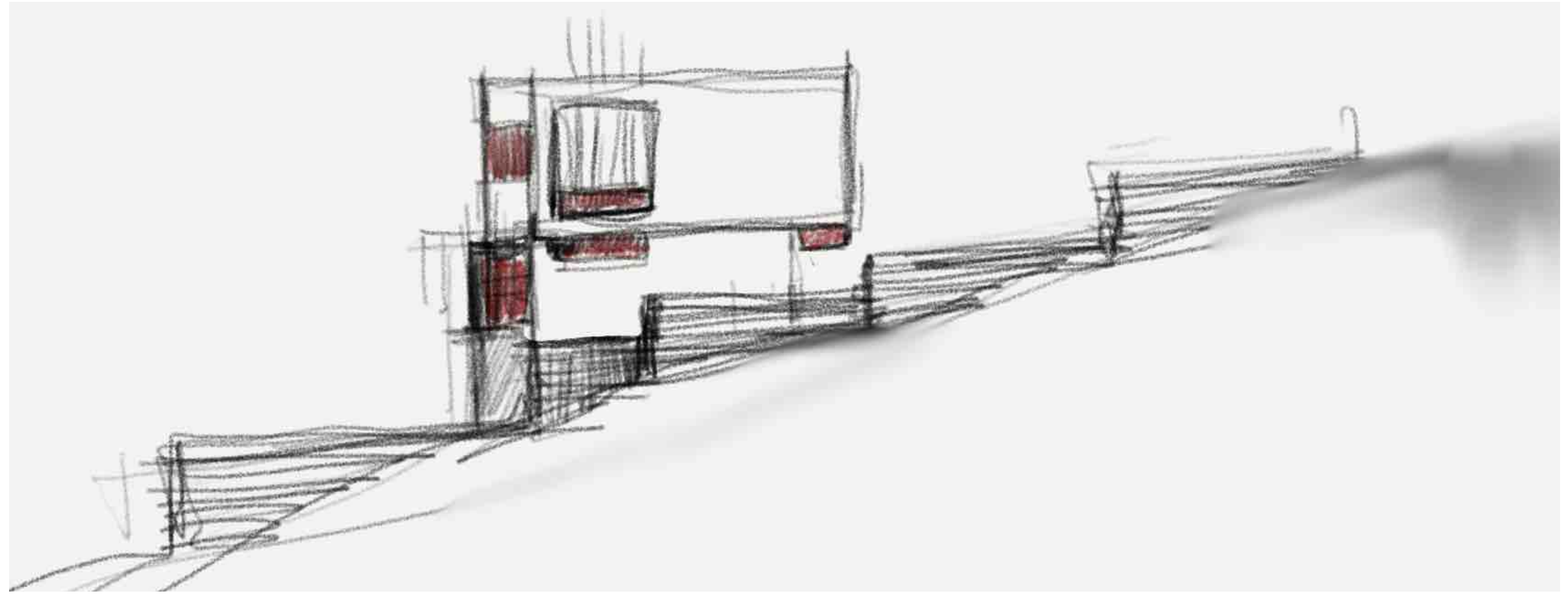
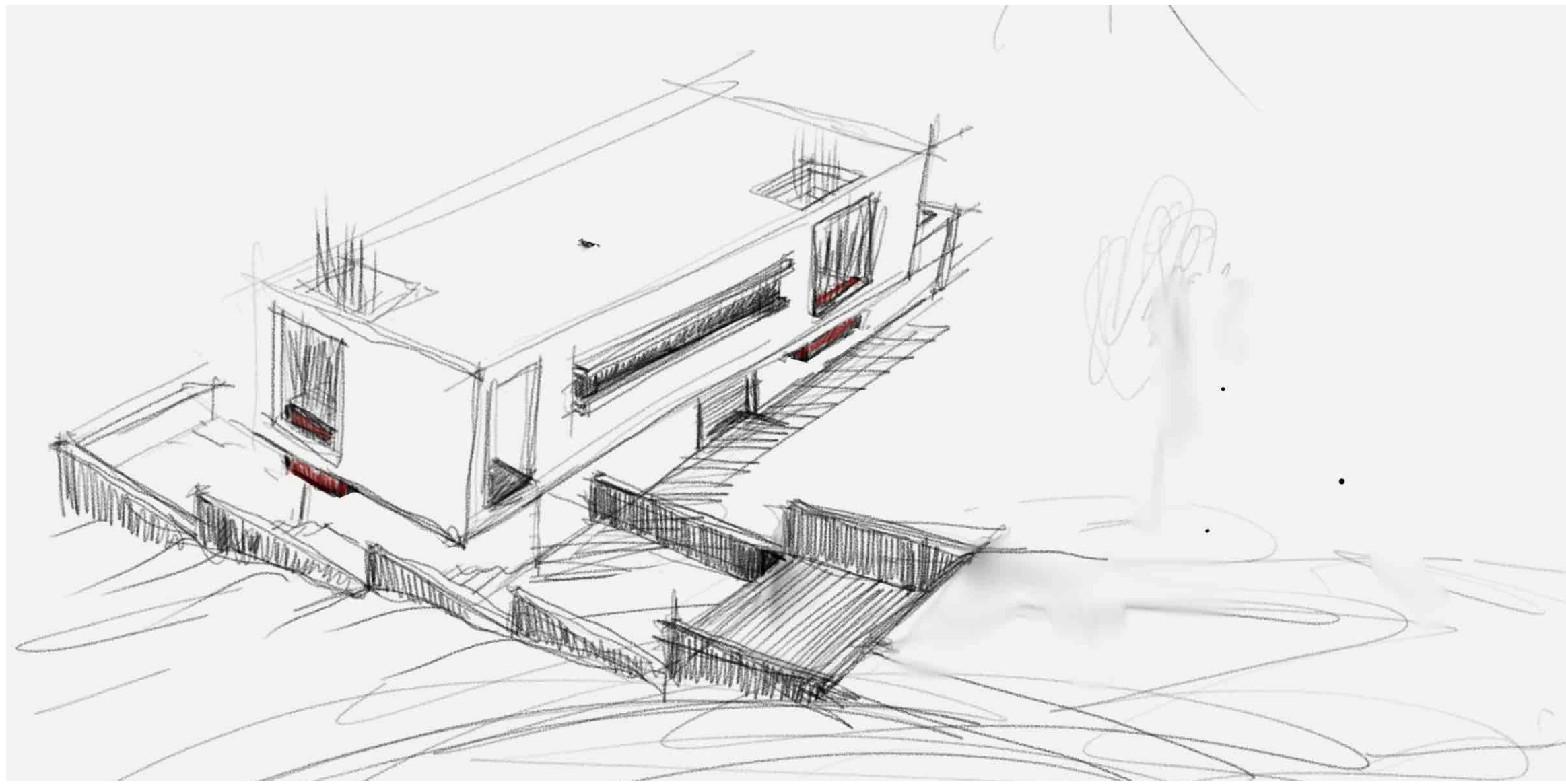




Second level of Ecology:  
**DESIGN**

**THE INVENTION OF GARDENS' SPACES**















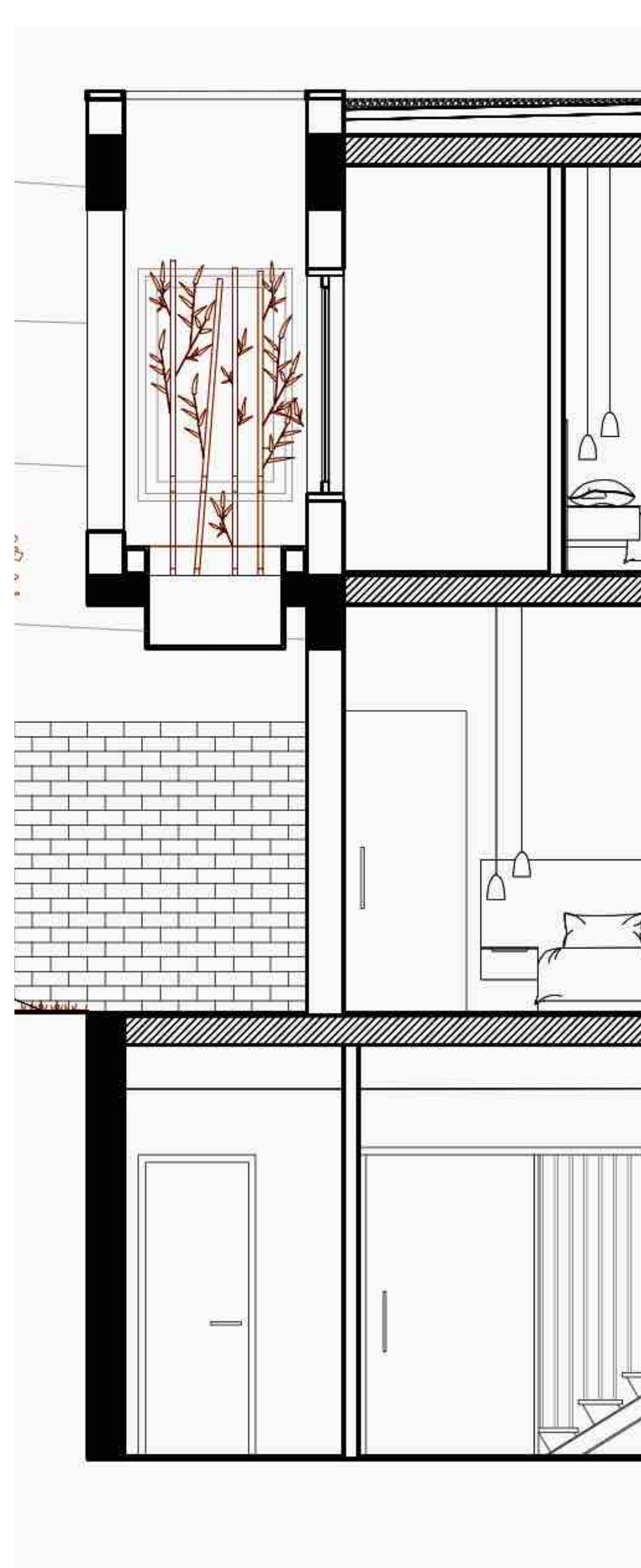
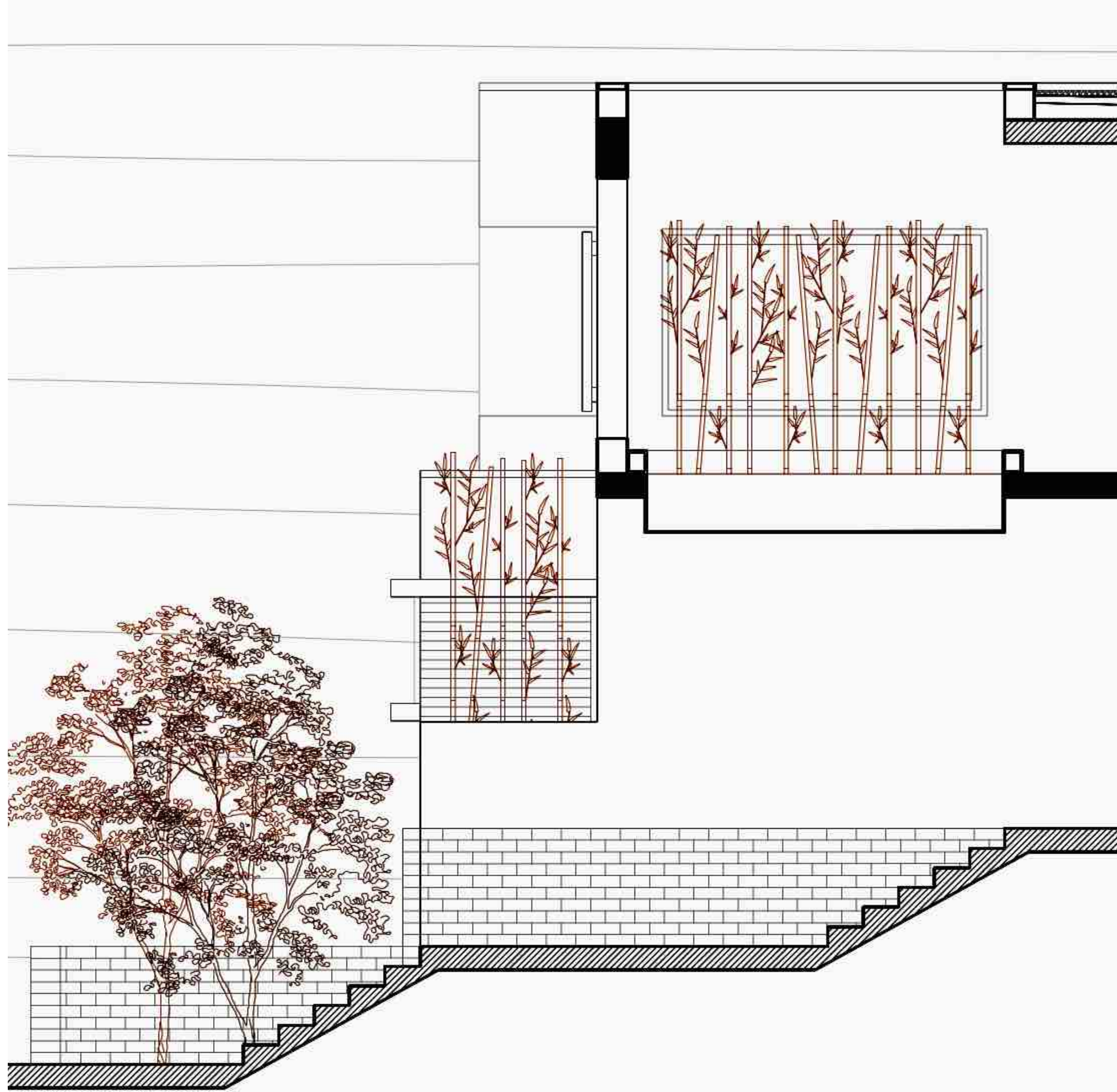




Third level of Ecology:  
**DETAILS**

**DESIGNING POTS FOR GARDENS**





**PATENT FOR A NEW ENVELOPE FOR  
VERTICAL FARMS RECYCLING UNFINISHED  
CONCRETE BUILDINGS**

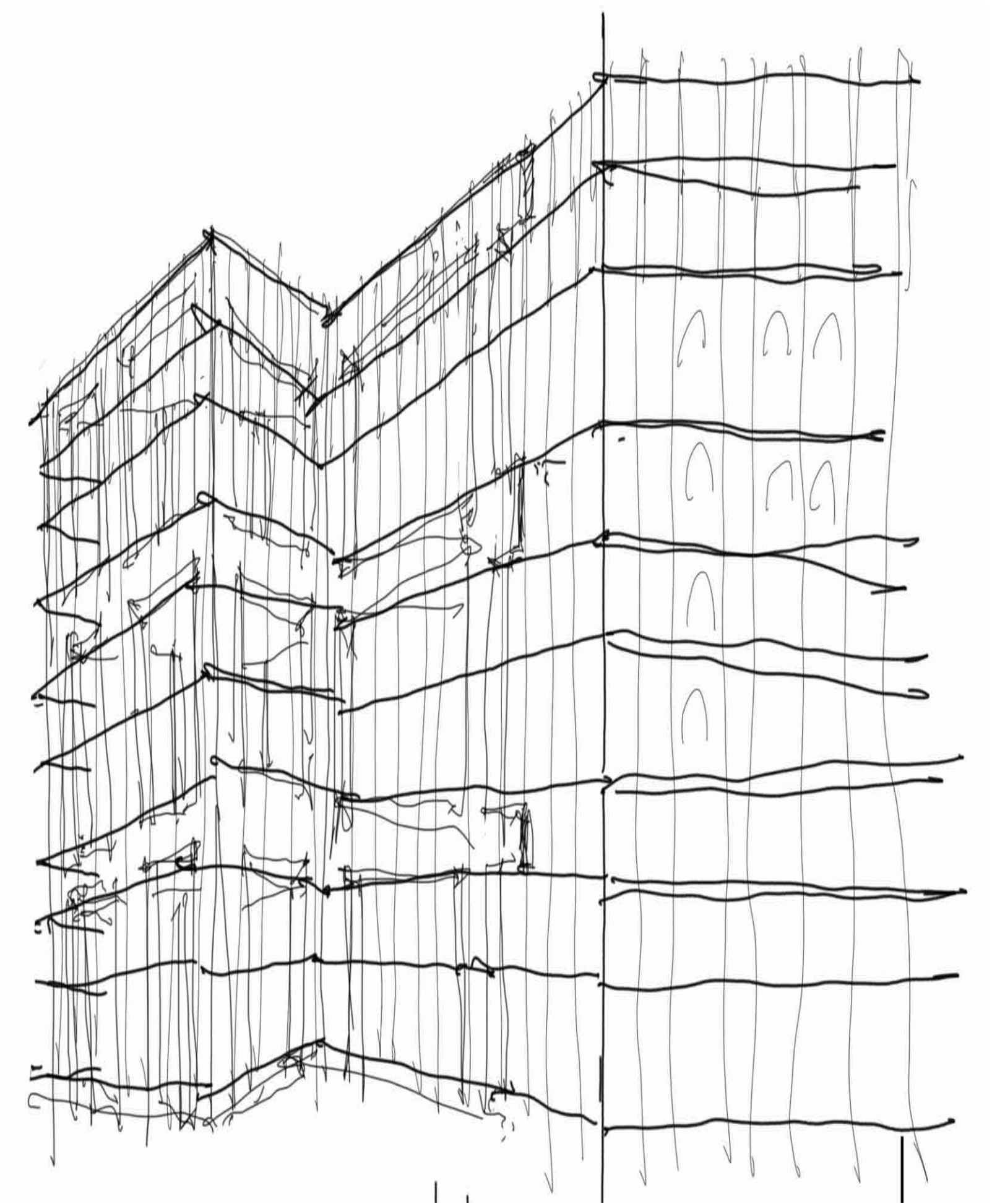
First level of Ecology:  
**IDEAS**

**RECYCLING UNFINISHED  
CONCRETE BUILDINGS**

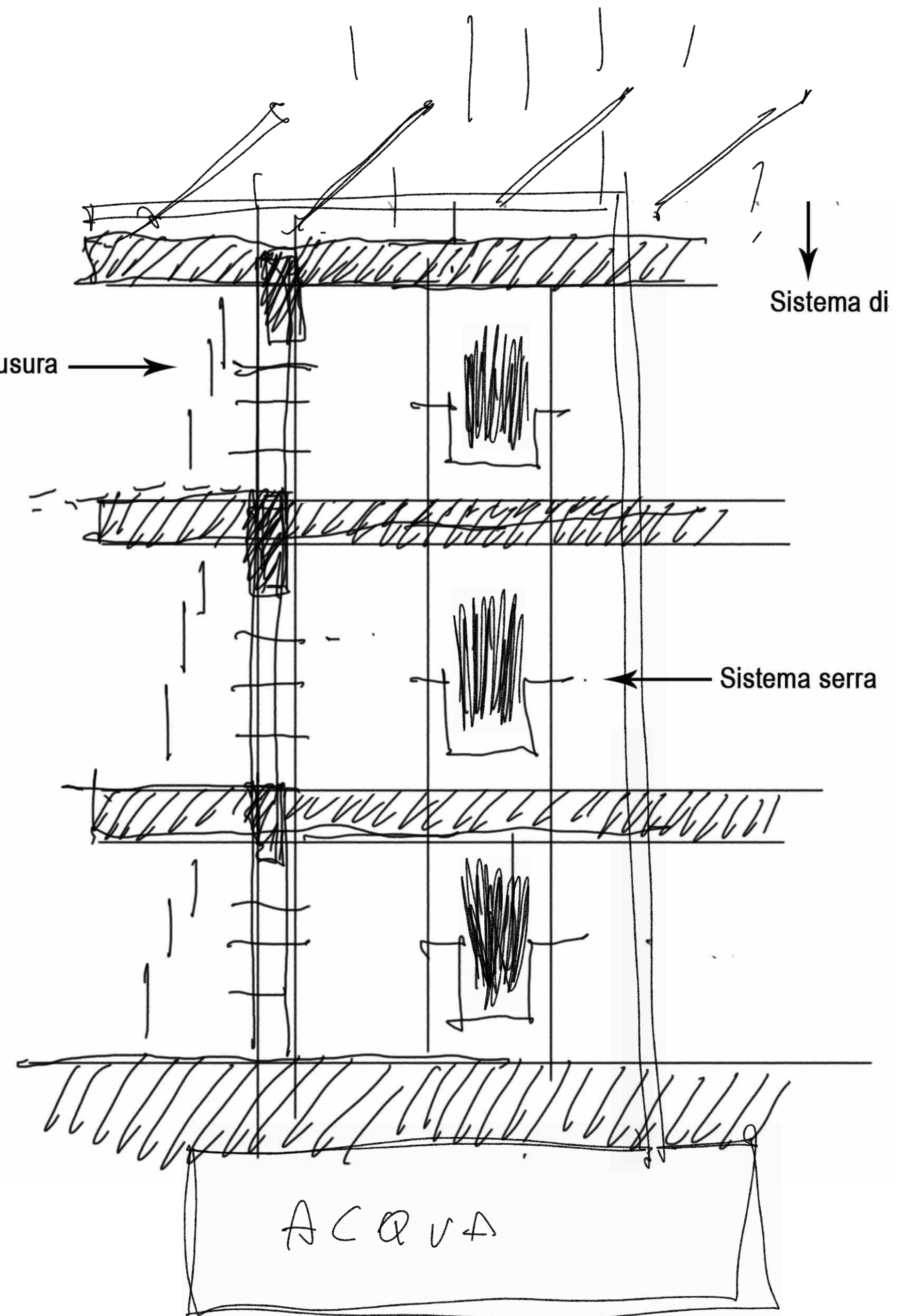








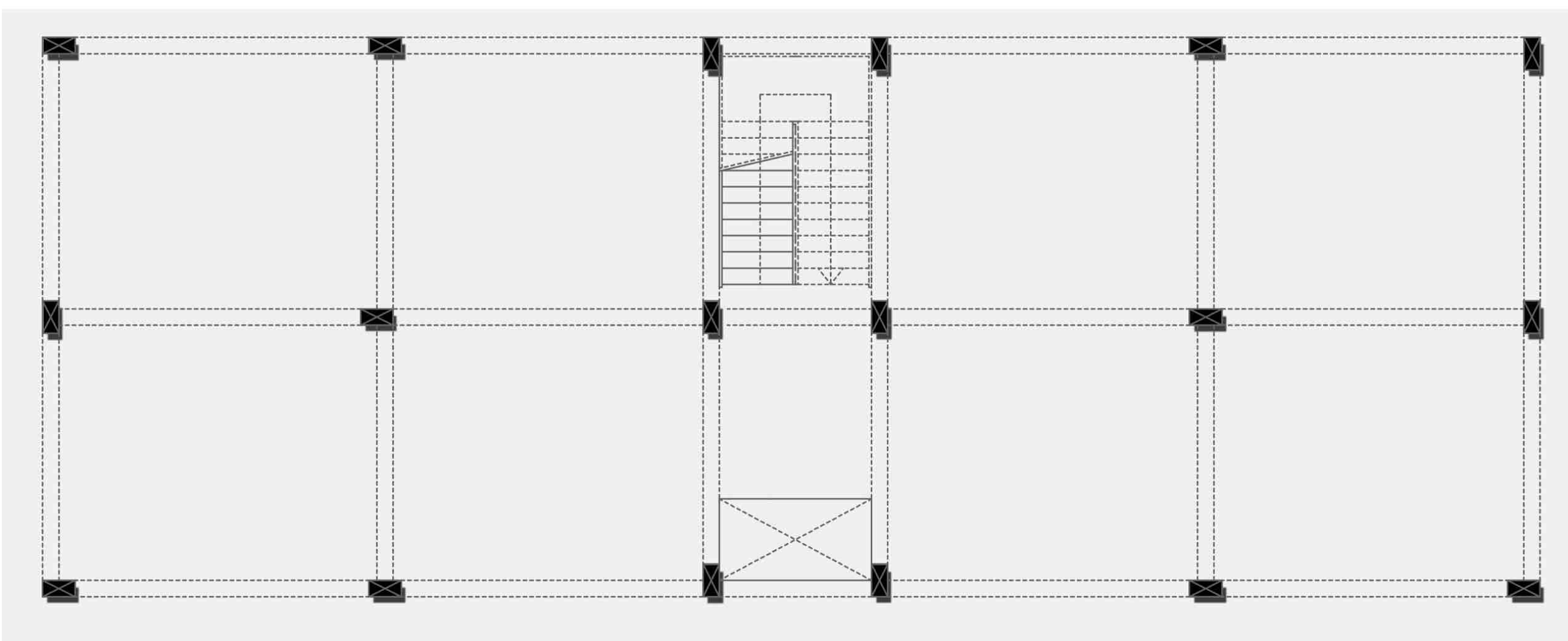
Sistema di chiusura



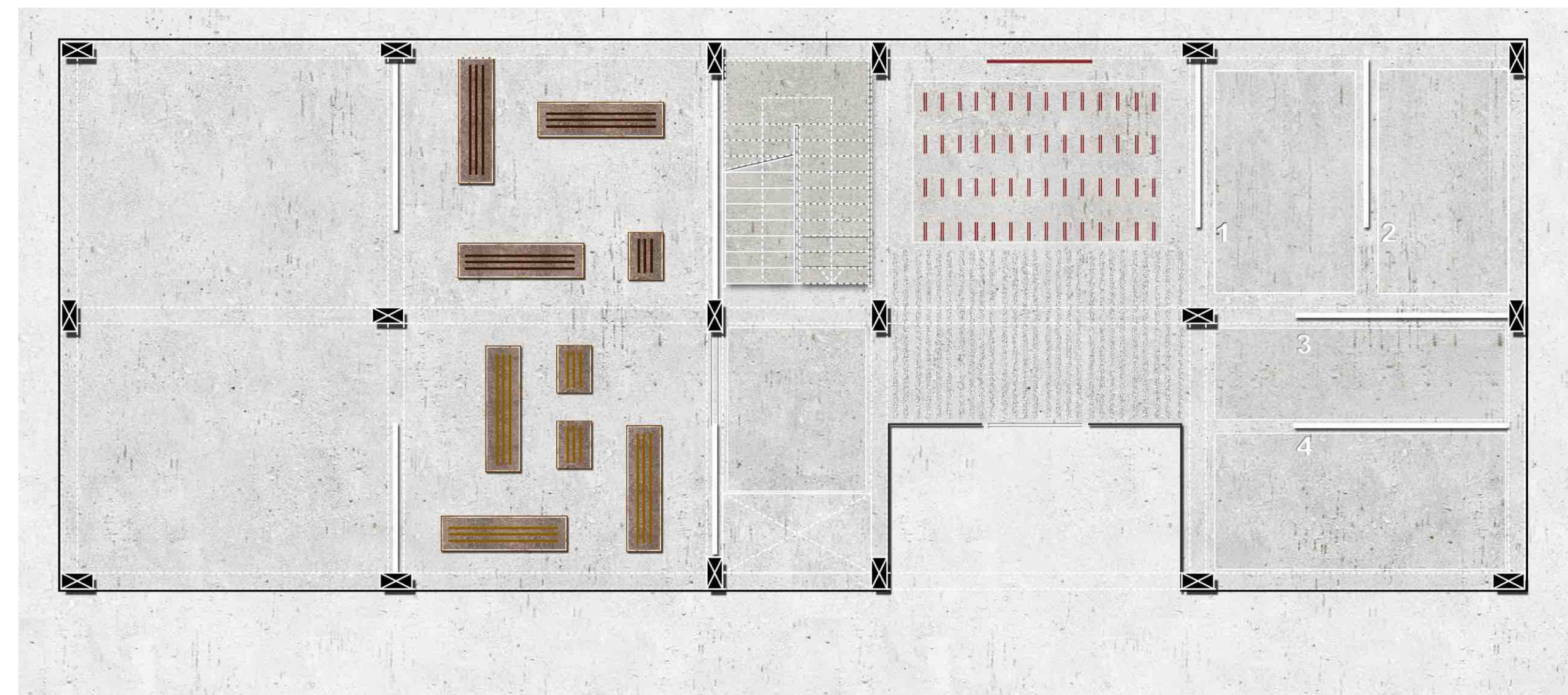
Second level of Ecology:  
**DESIGN**

# **THE ORGANIZATION OF INTERIOR SPACES**



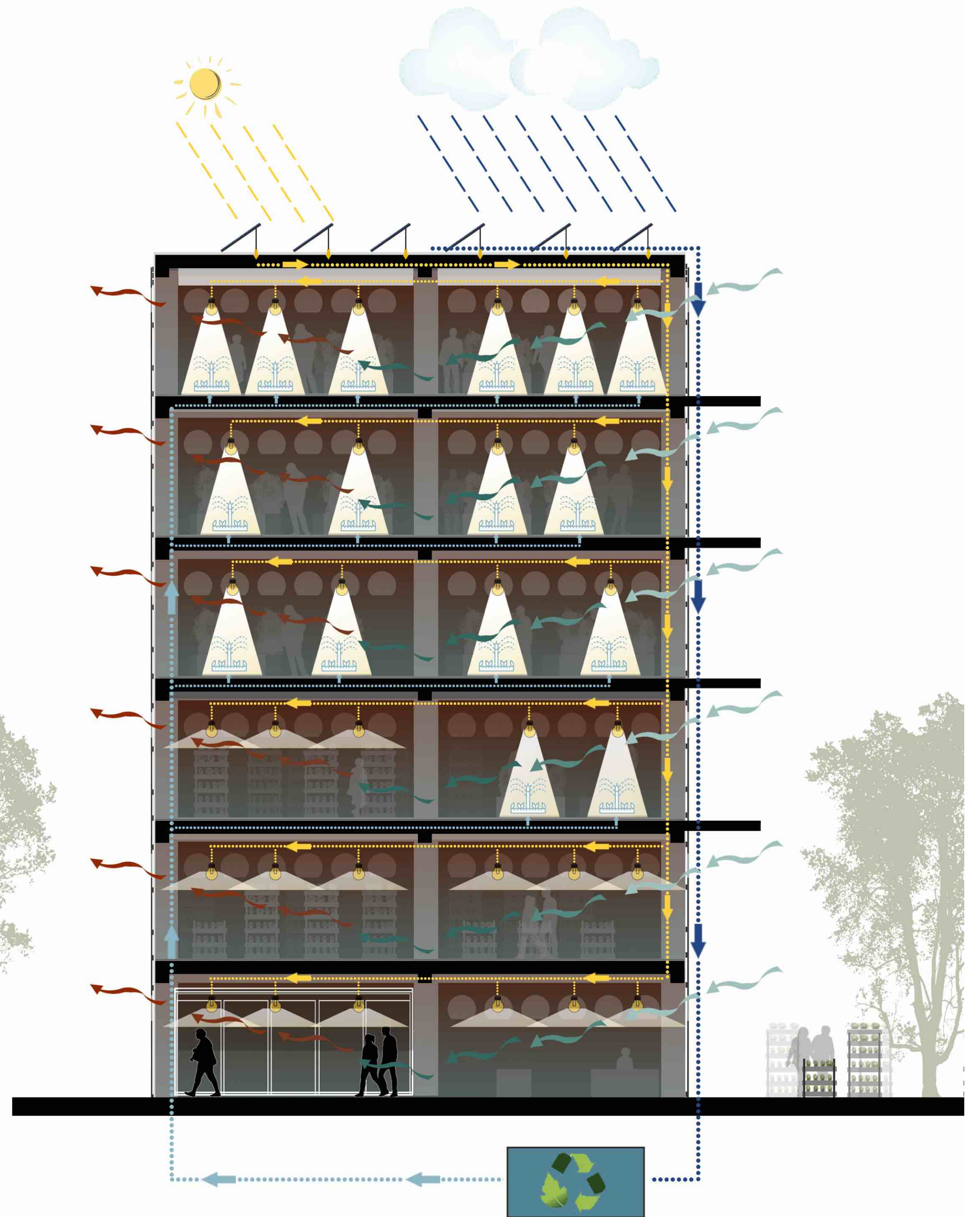
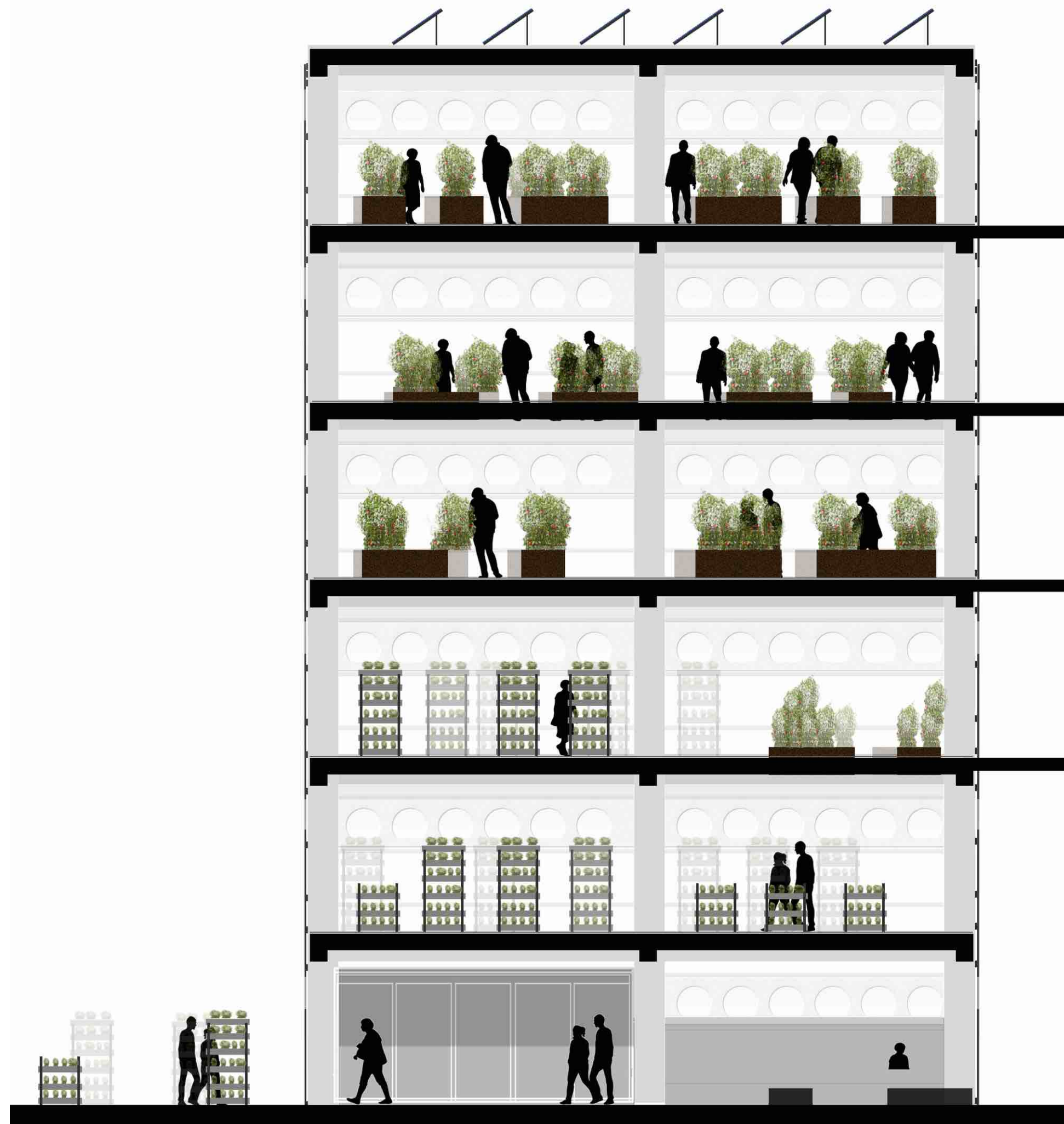


Existing unfinished concrete building



Vertical farm organization











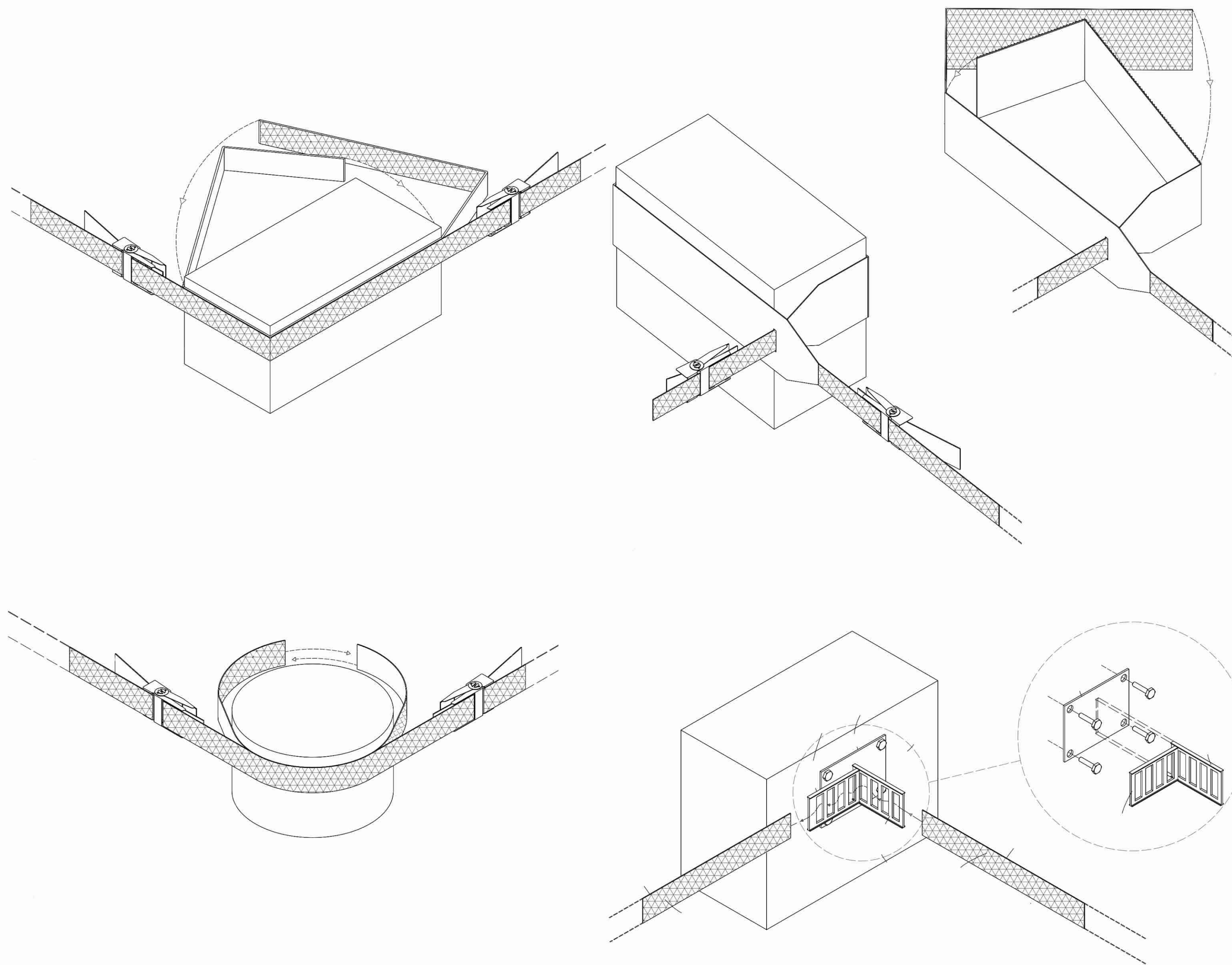




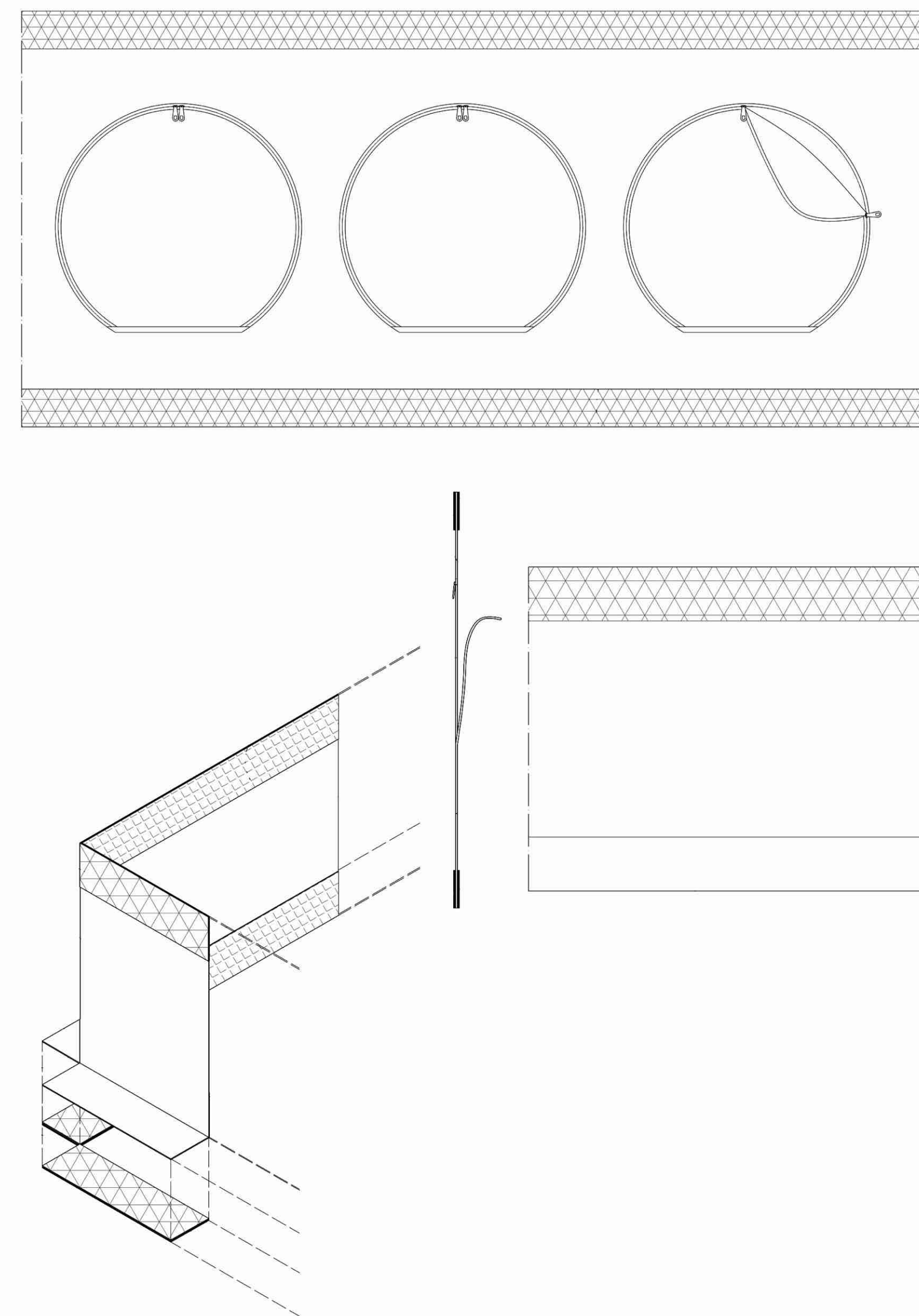
Third level of Ecology:  
**DETAILS**

**PATENT FOR AN INNOVATIVE ENVELOPE**



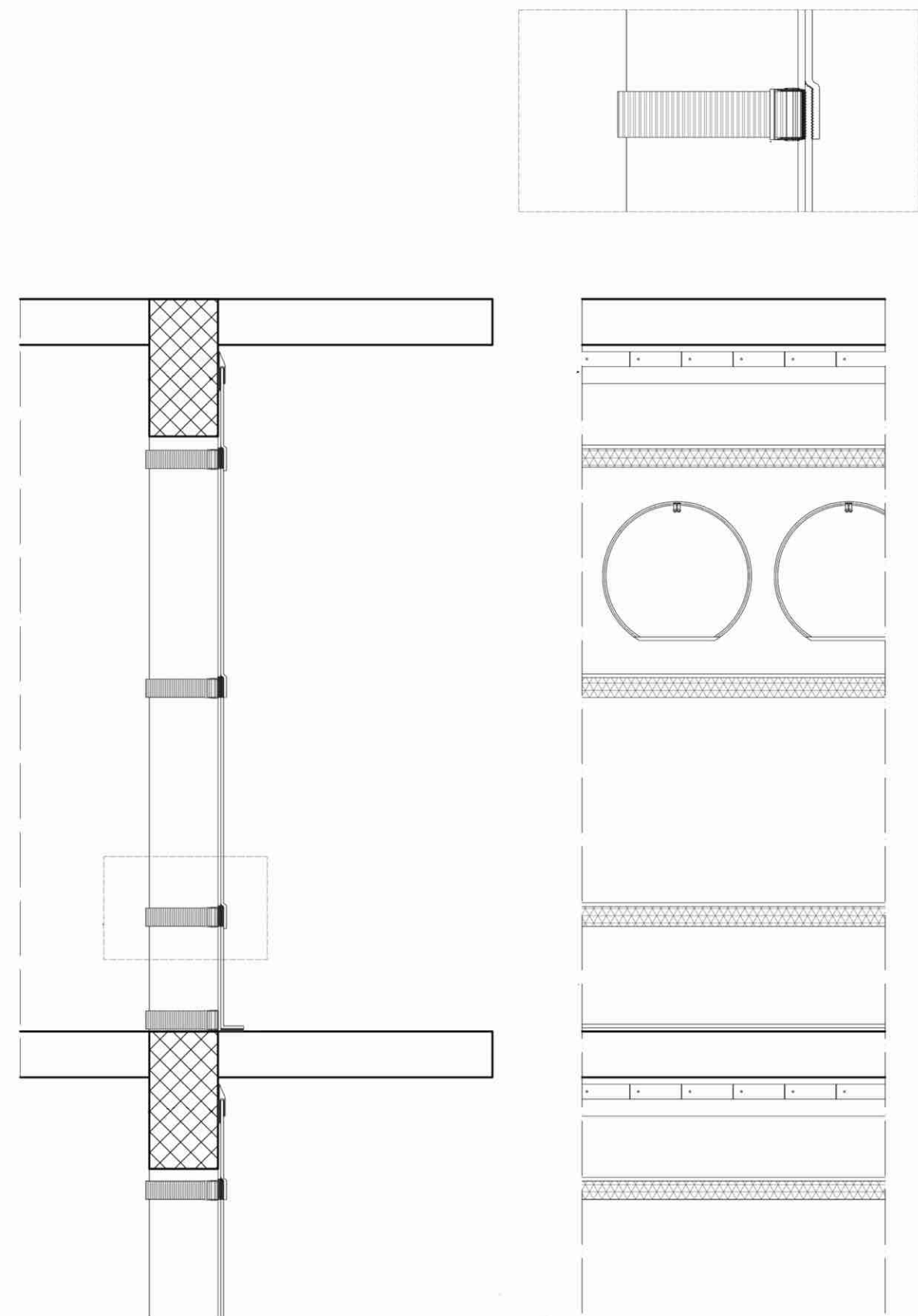


Cinghie angolari

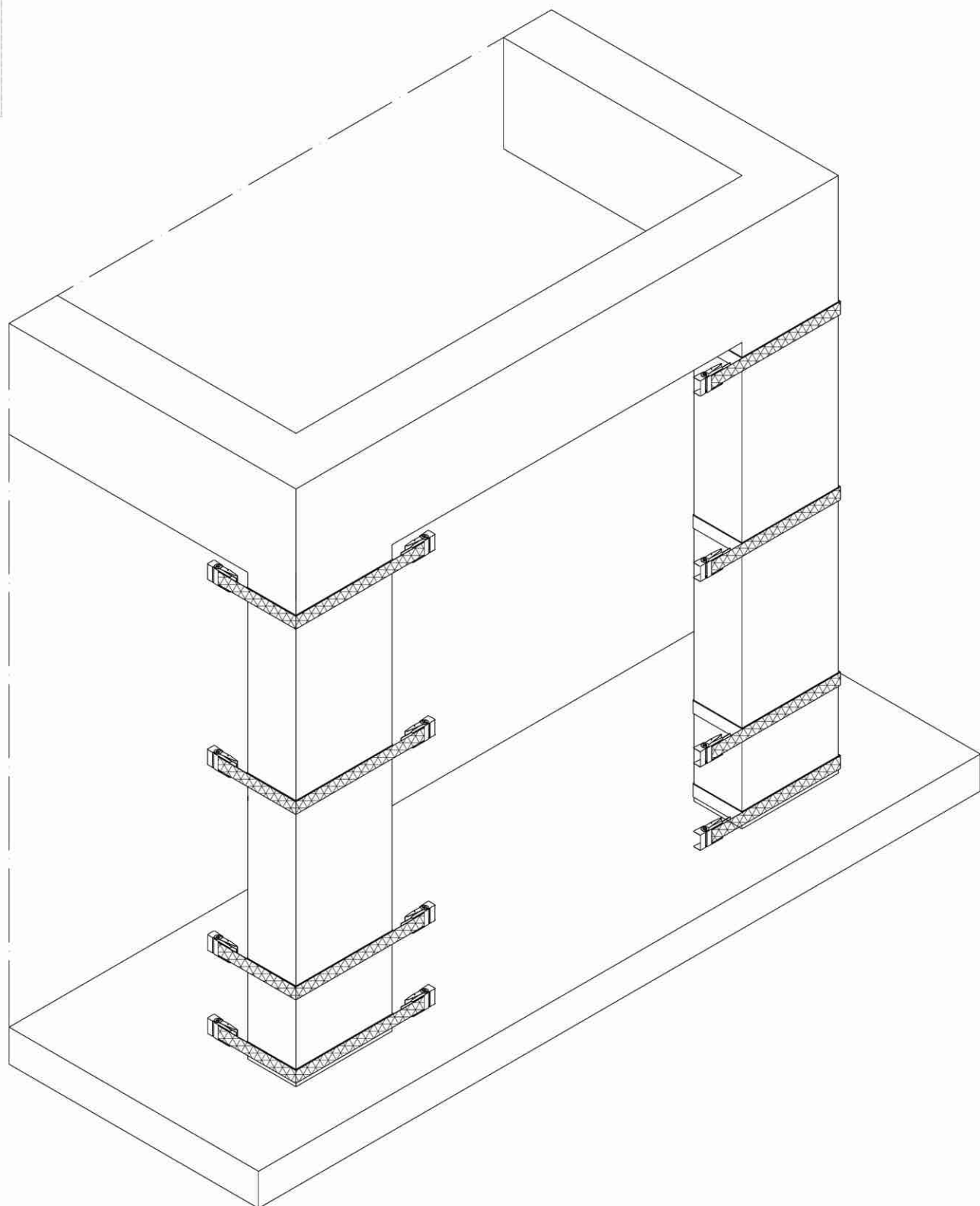


Teli perimetrali di chiusura

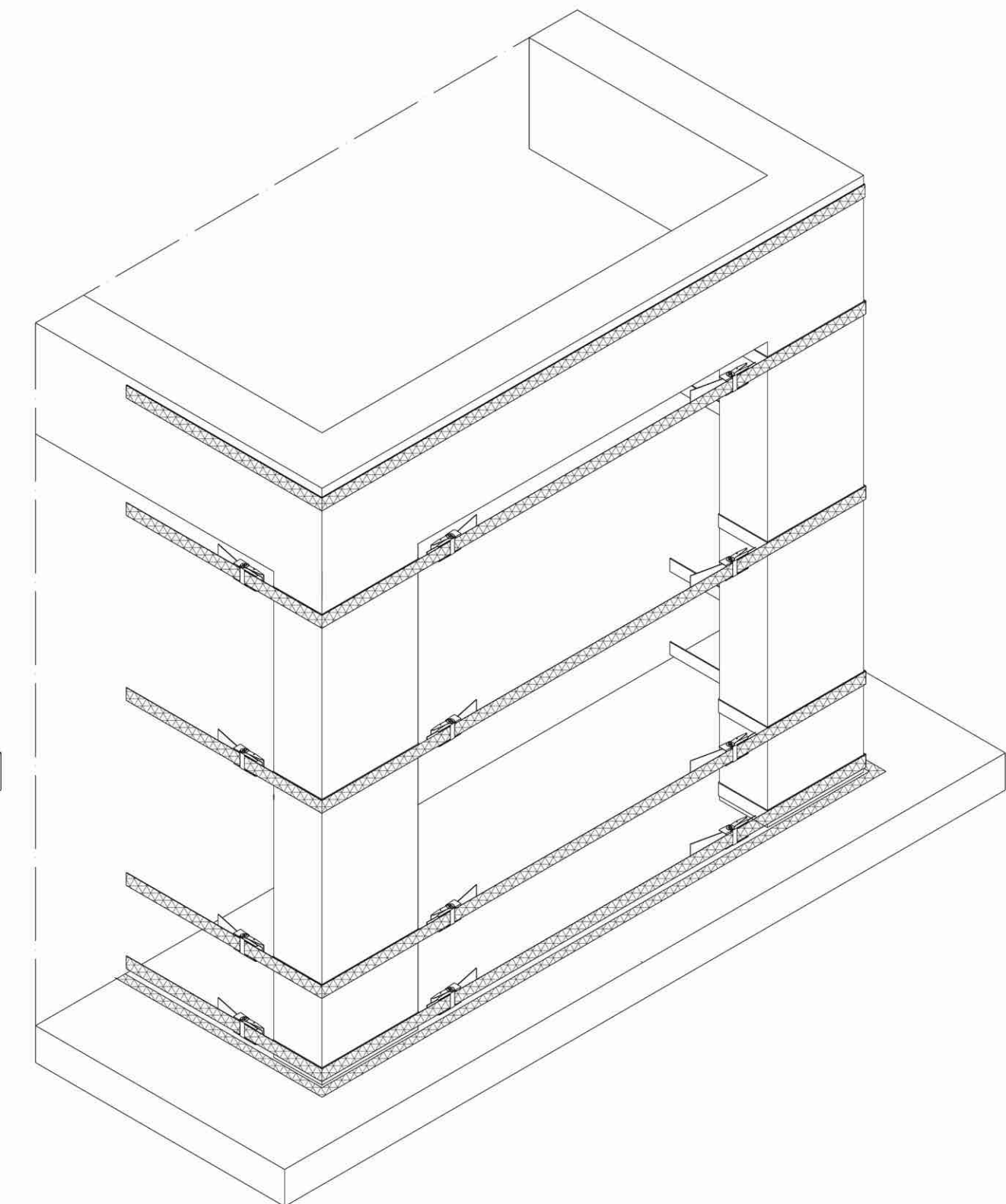




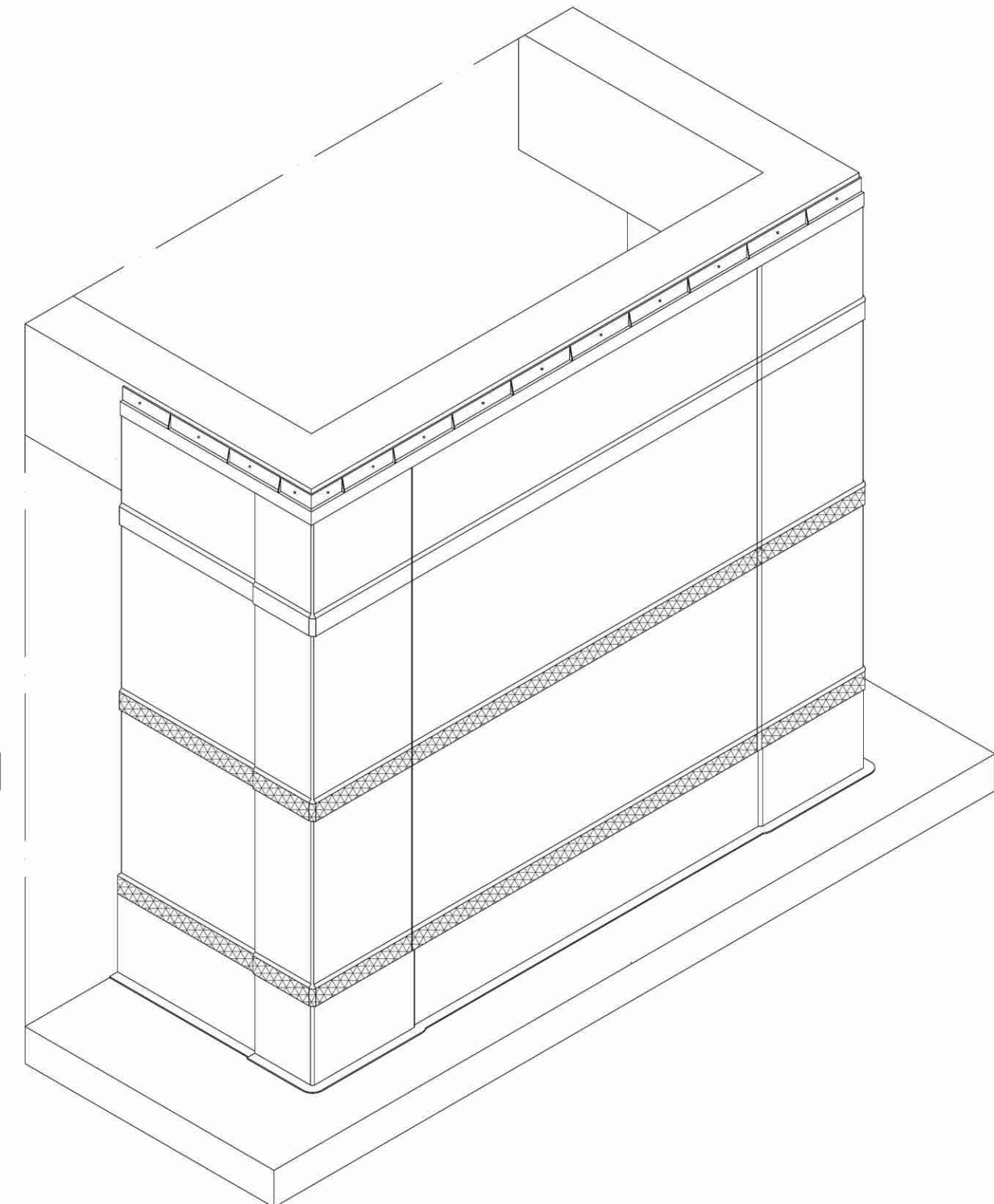
sezione e prospetto del sistema involucro



Sistema cinghie angolari



Struttura con cinghie orizzontali



Montaggio teli perimetrali



# **THE GARDEN OF CULTURAL HERITAGE**

## **YANGZHO - CHINA**



First level of ecology:  
**IDEAS**

**SHARING CULTURE AND DESIGN HERITAGE**



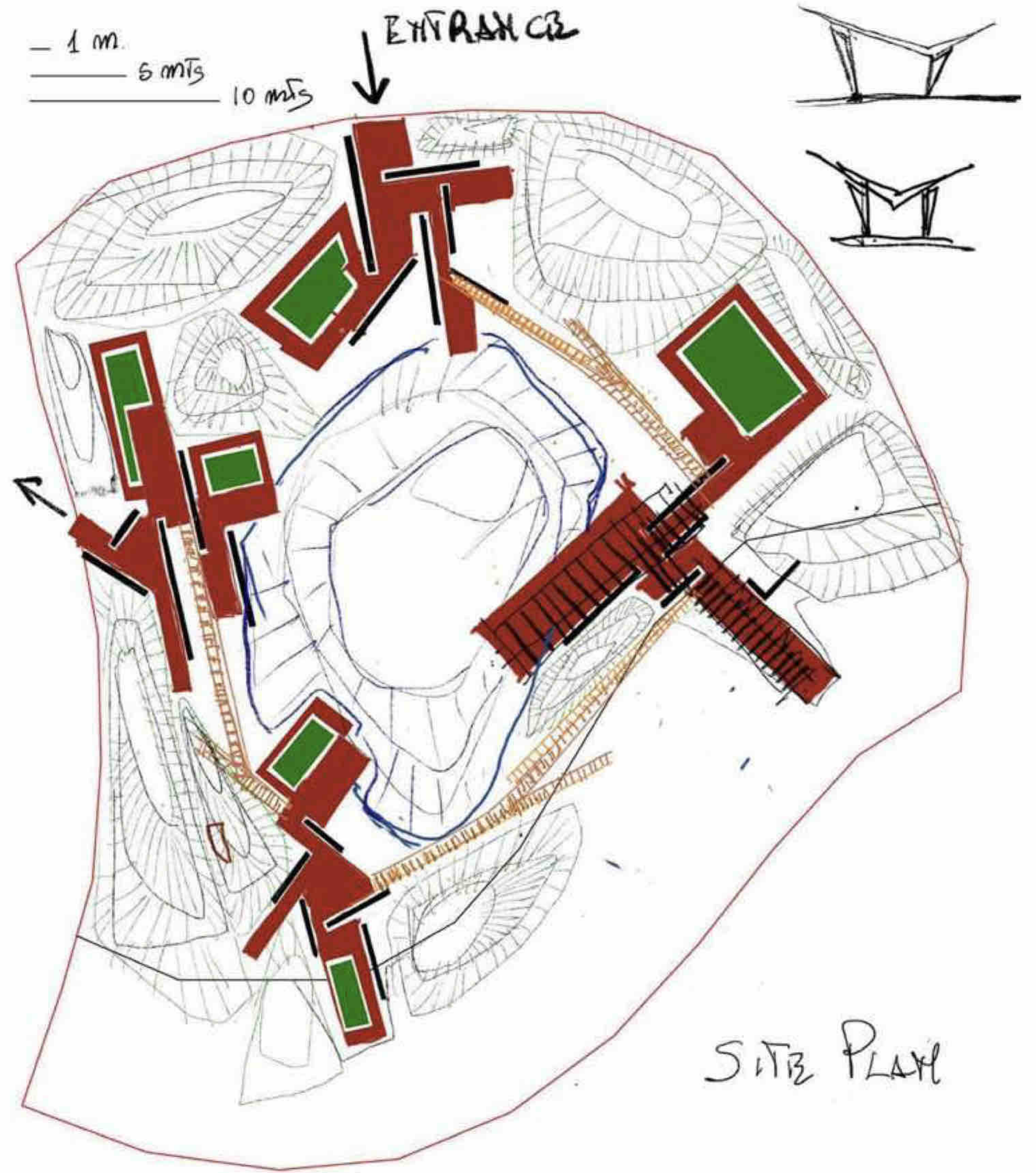
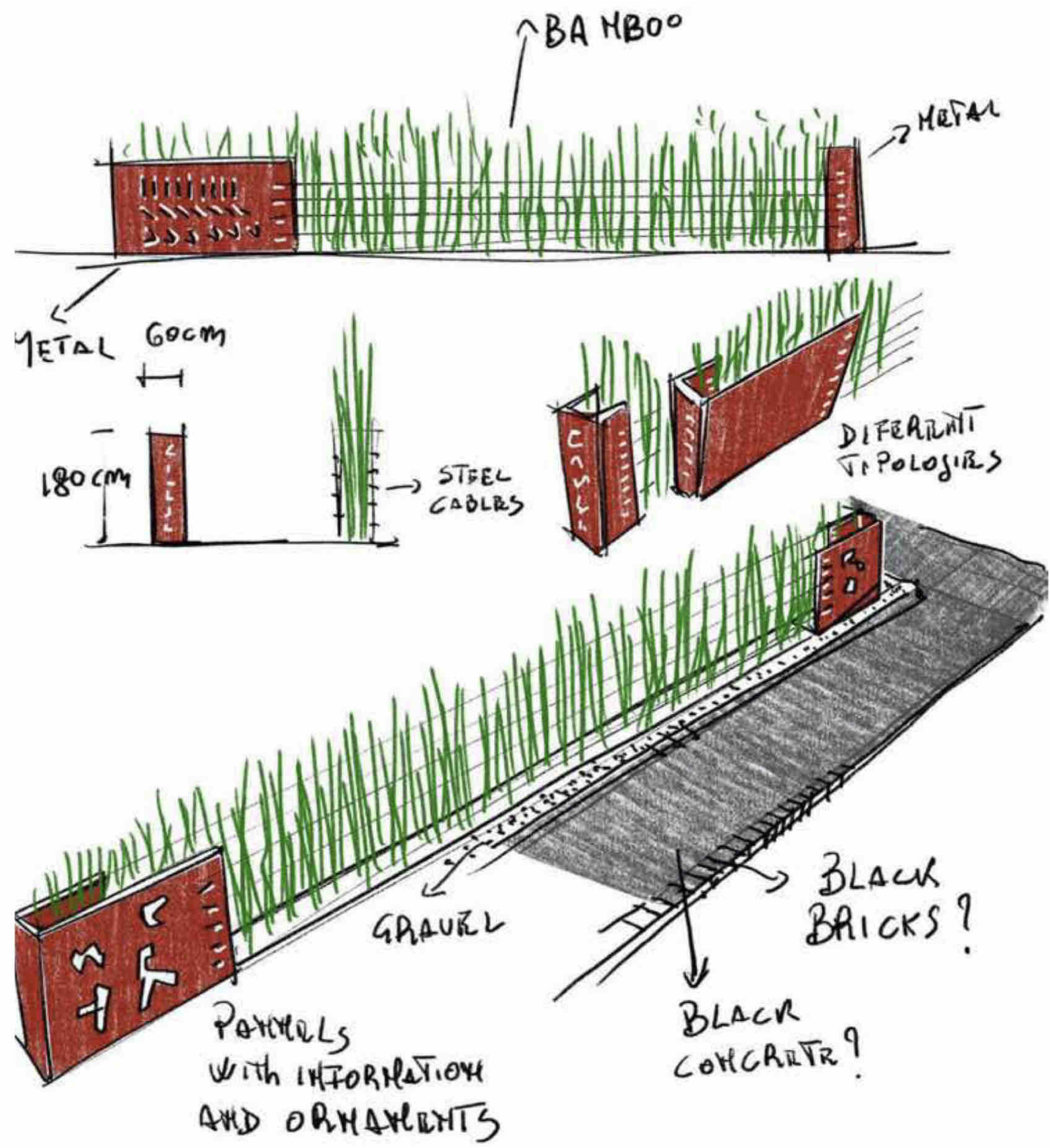


**Villa D'Este - Florence - Italy**

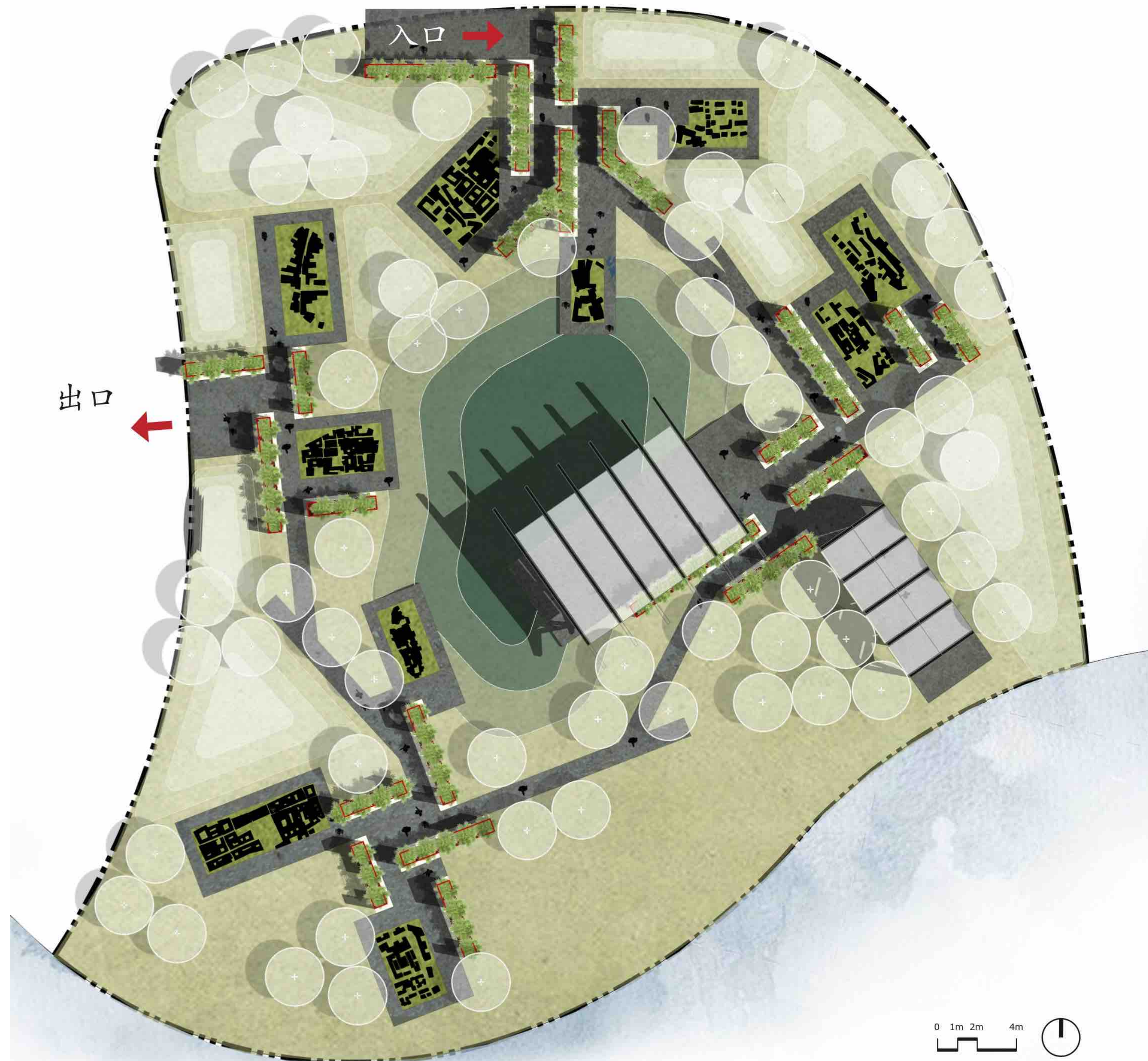
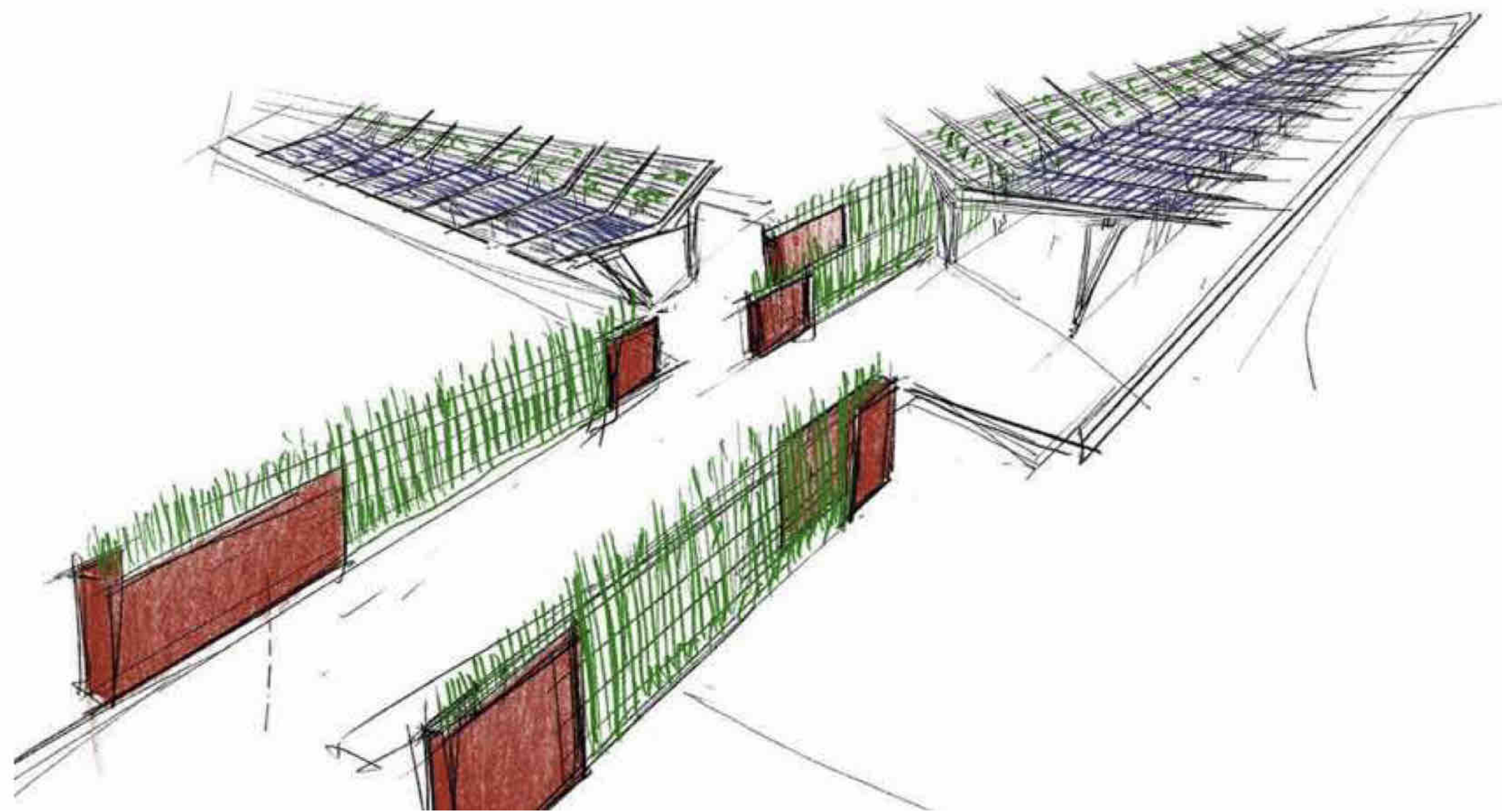
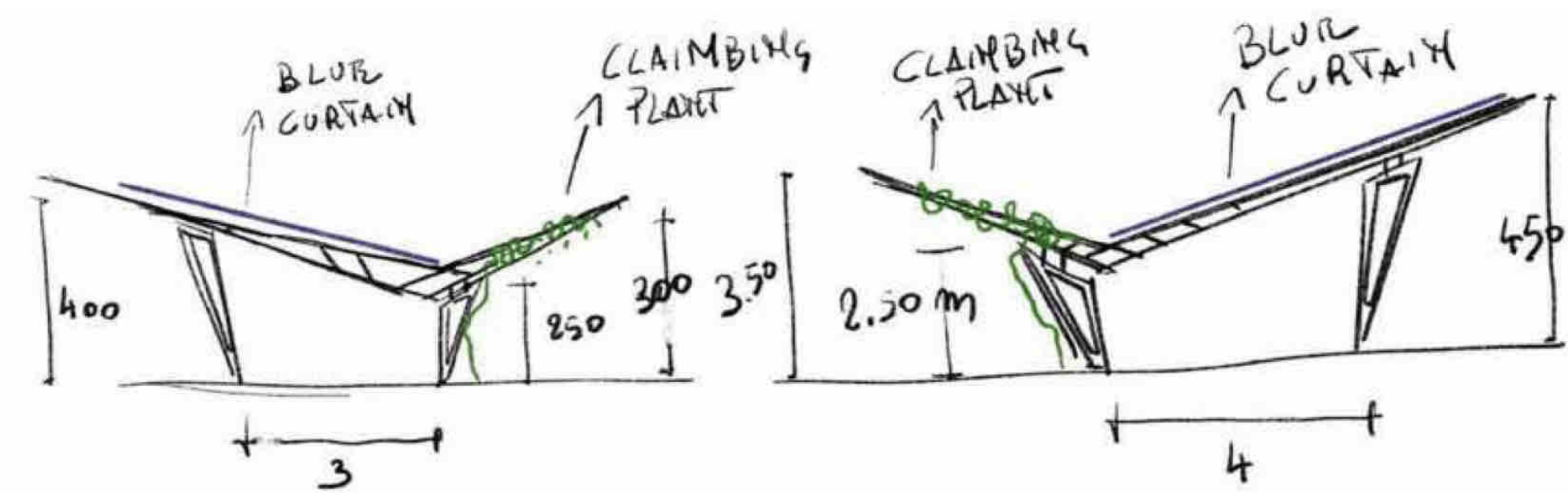


**The Master of the Nets Garden - Suzhou - China**

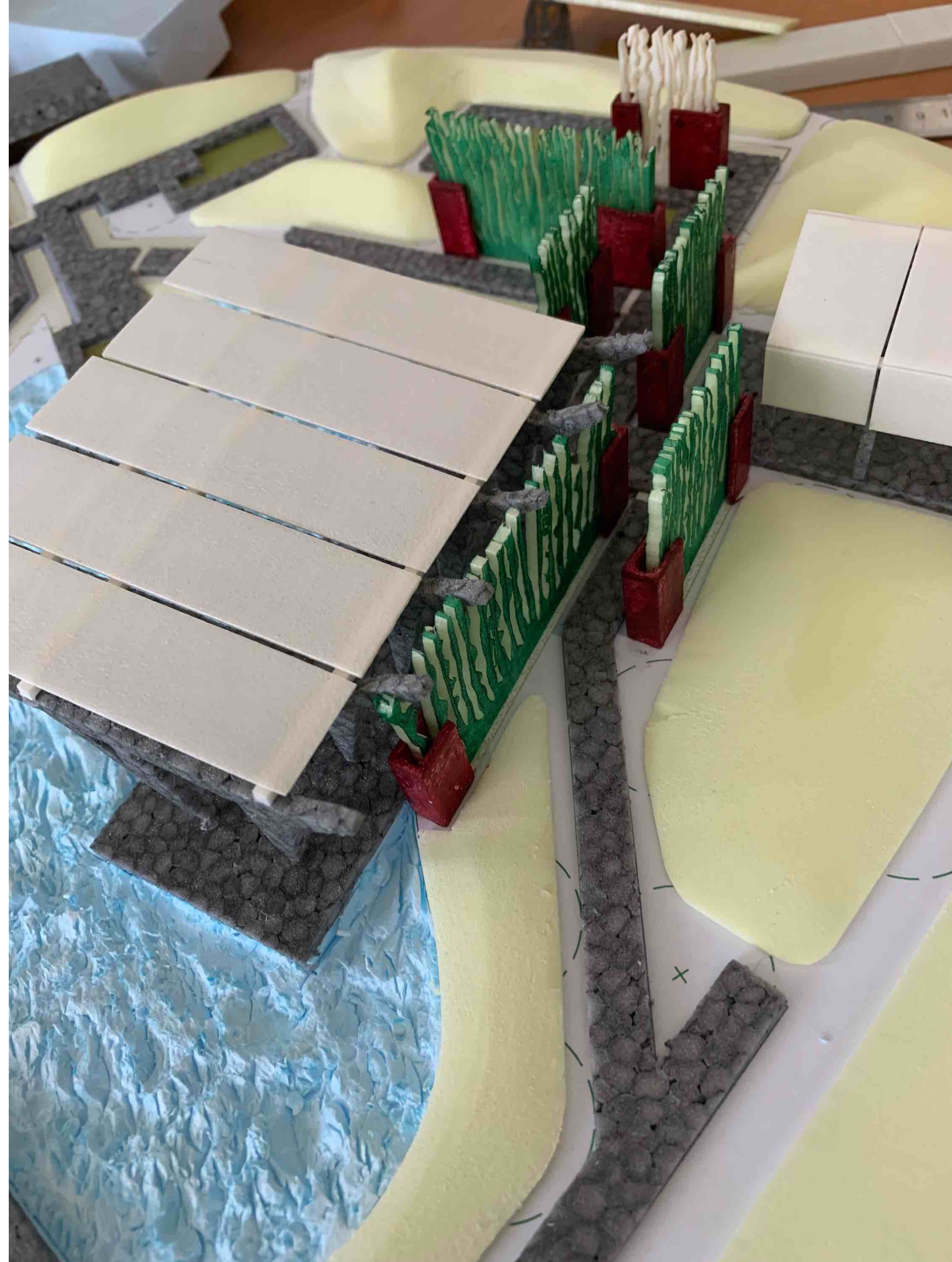
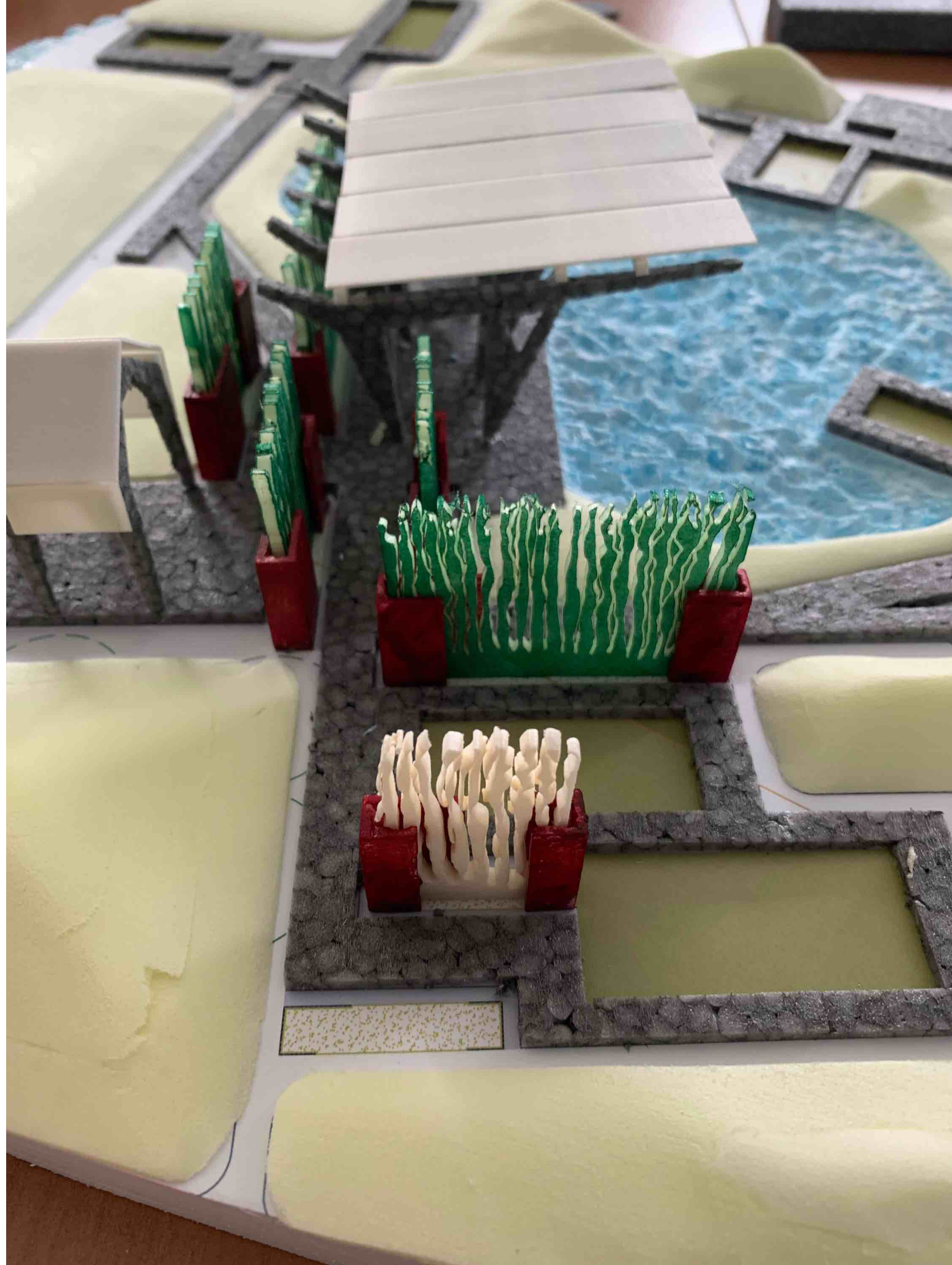














Second level of ecology:  
**DESIGN**

**COMBINING ART AND SPACES**





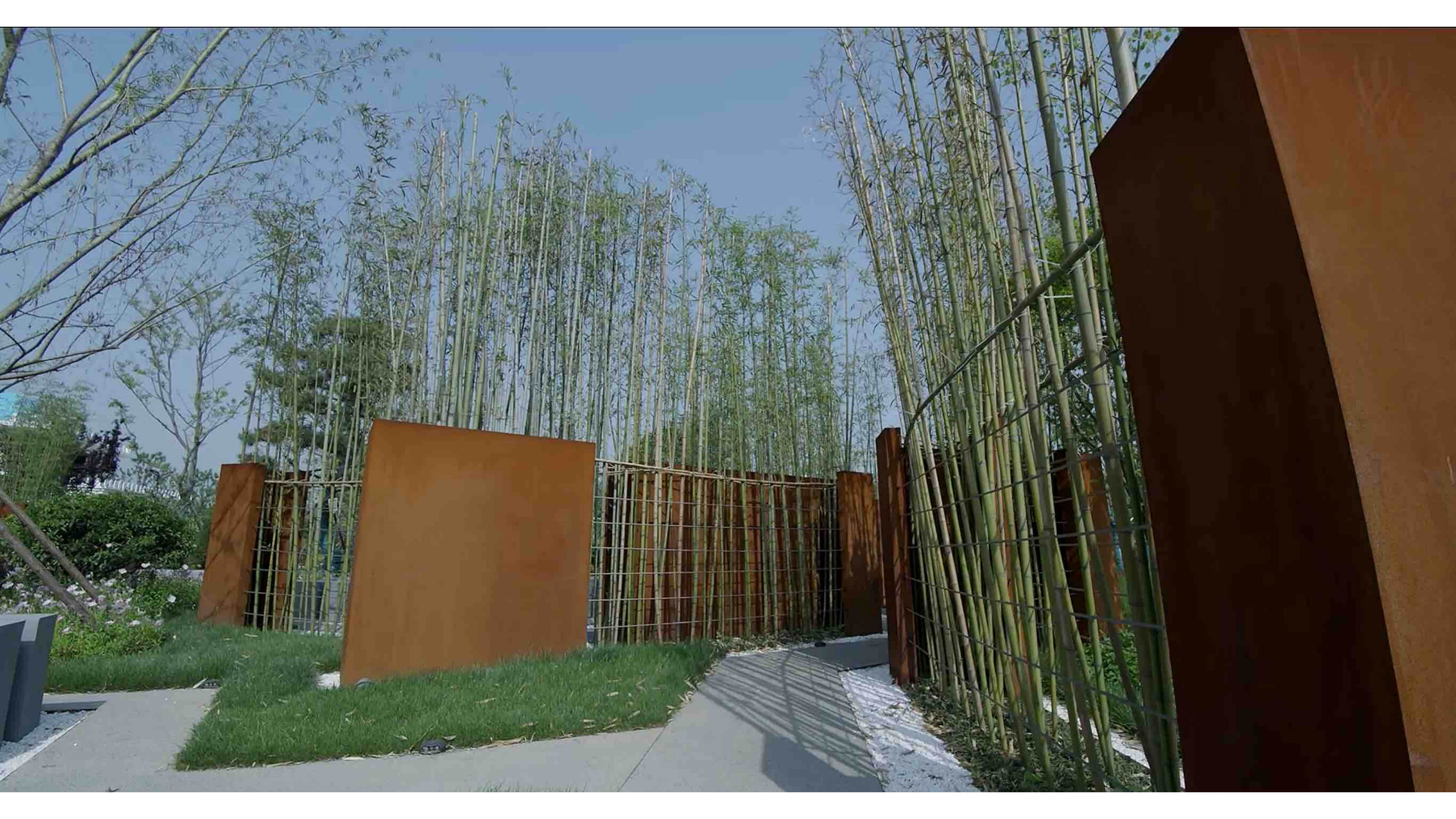














Third level of ecology:  
**DETAILS**

**USING ECOLOGICAL WALLS**









CASTEL GUELFO

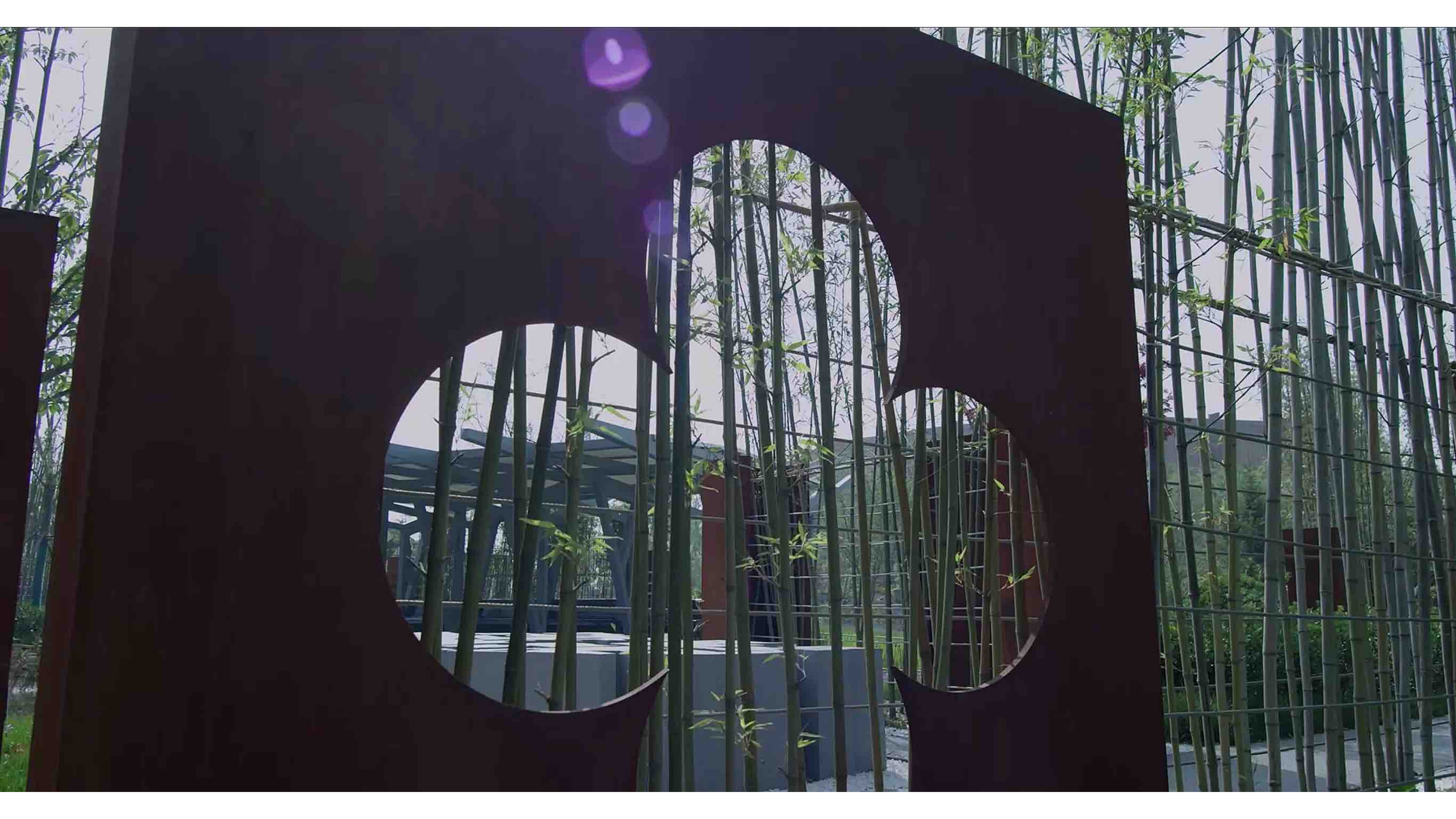
CASTEL D



Medicina

Casa







**Tank You**