

Précédent Limberlost Place

Préparé par Sarikey, Laëtitia





Limberlost Place

Type de projet : Résidence étudiante

Location : Toronto, Ontario

Client : George Brown College

Architecte : Moriyama Teshima Architects and Acton Ostry Architects

Budget : C\$150 million

Date : Complété en janvier 2025

Systeme constructif : Structure de bois lamellé-croisé et en lamellé-collé.

Plancher composite béton + CLT. Panneaux pré-fabriqués

Certification : LEED Gold mass timber

Prix

2024

Prix d'excellence de l'innovation de la CTBUH

Prix de la structure CTBUH

2023

Médaille de la recherche et de l'innovation de l'IRAC

Prix RTF Global Architecture Design

Architizer A+ Awards Unbuilt Sustainable Project (Projet durable non construit)

Prix d'excellence Fast Company Innovation Design

Prix Fast Company Innovation Design pour l'aménagement urbain

2022

Prix d'or APR Global Future Design

Prix WAFX du Festival mondial de l'architecture

Prix WAF Future Projects Education Shortlist

RTF Architecture Design Award Institutional Concept

Prix de l'innovation Waterfront Toronto Excellence in Design

2021

Prix d'excellence des projets d'ingénierie de l'Ontario

2019

Prix WAN Future Projects Gold

Prix de l'édifice non construit du magazine Azure

Azure Magazine Unbuilt Building People's Choice Award (Prix du public pour les bâtiments non construits)

Prix du projet d'avenir du MIPIM et de l'Architectural Review

2018

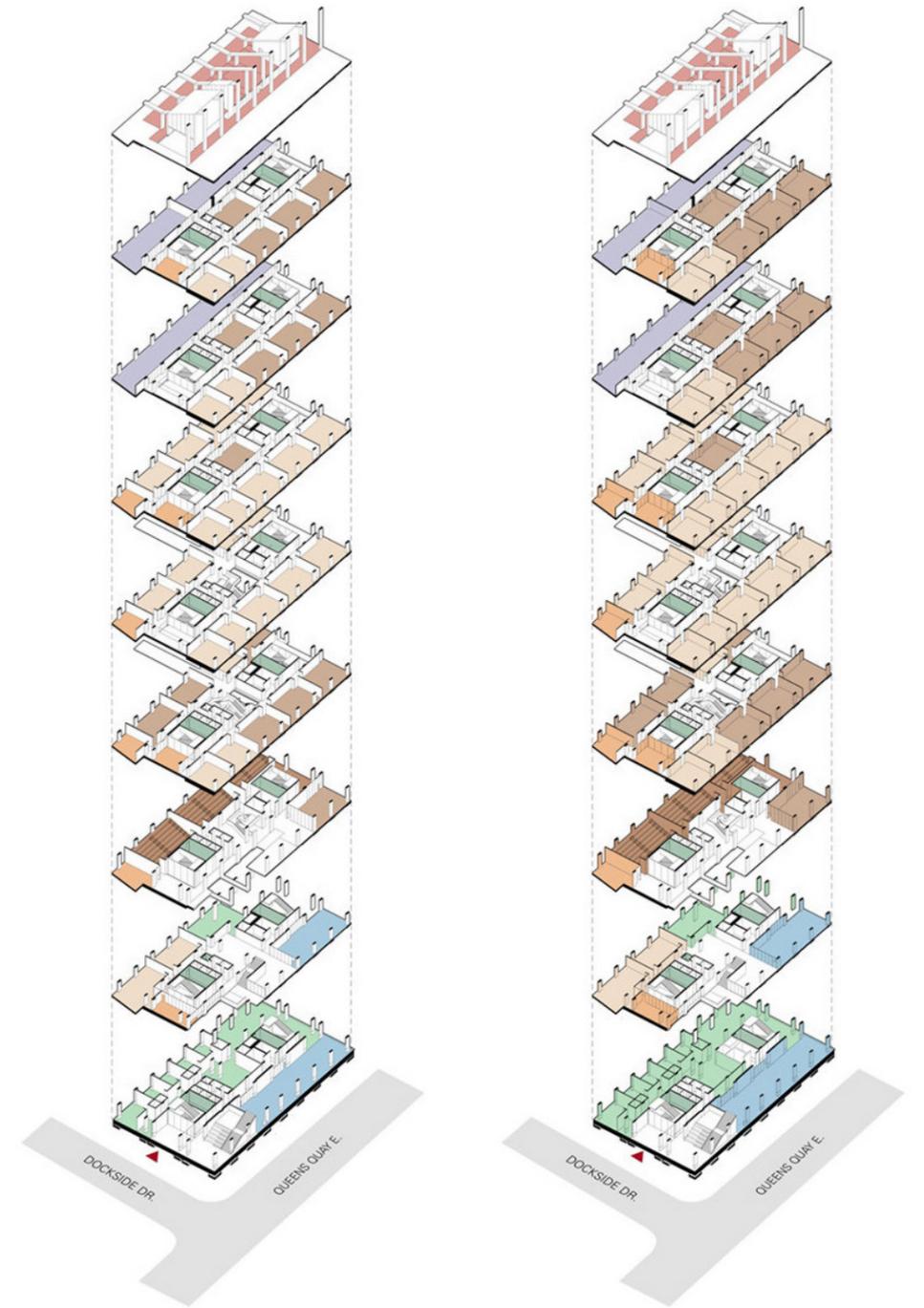
Prix d'excellence de l'architecte canadien

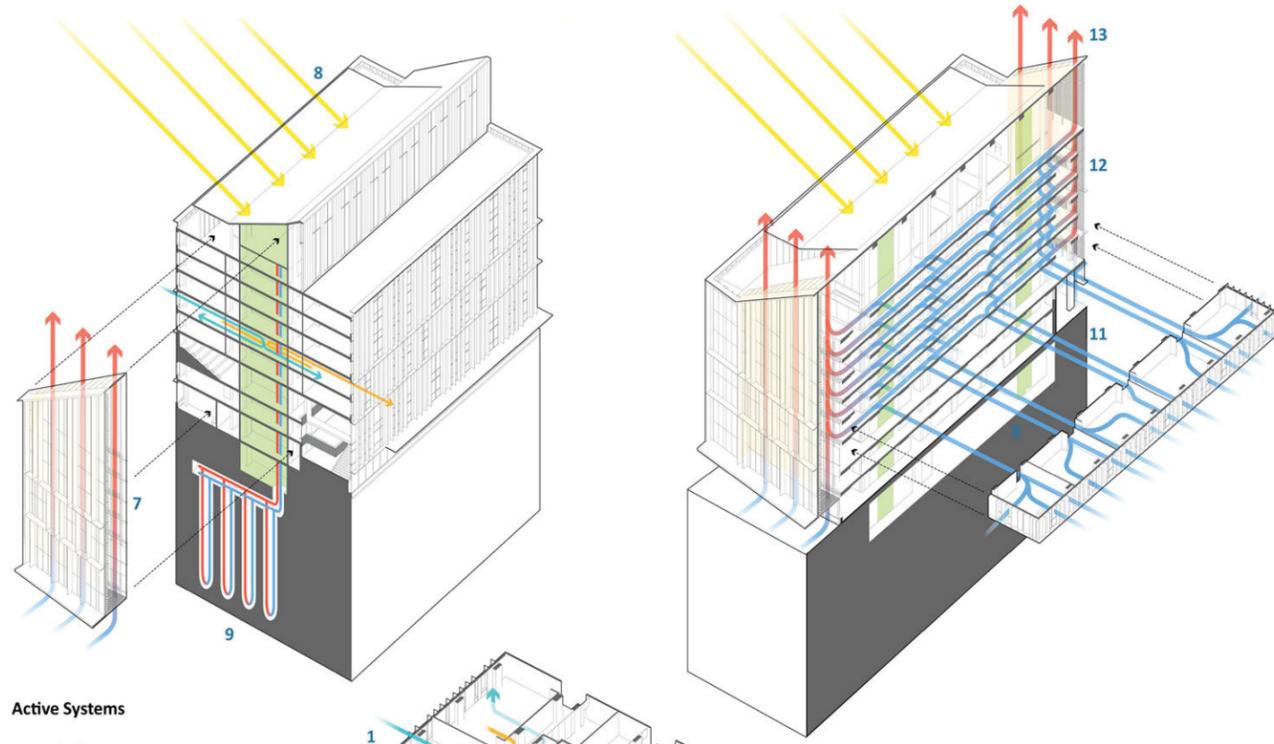
Certificat de premier prix de Repenser l'avenir

Prix de la conception architecturale de Repenser l'avenir



- Daycare
- Fitness Centre
- Classrooms
- Computer Labs
- Lecture Rooms
- Meeting Rooms
- Administrative
- Mechanical
- Tall Wood



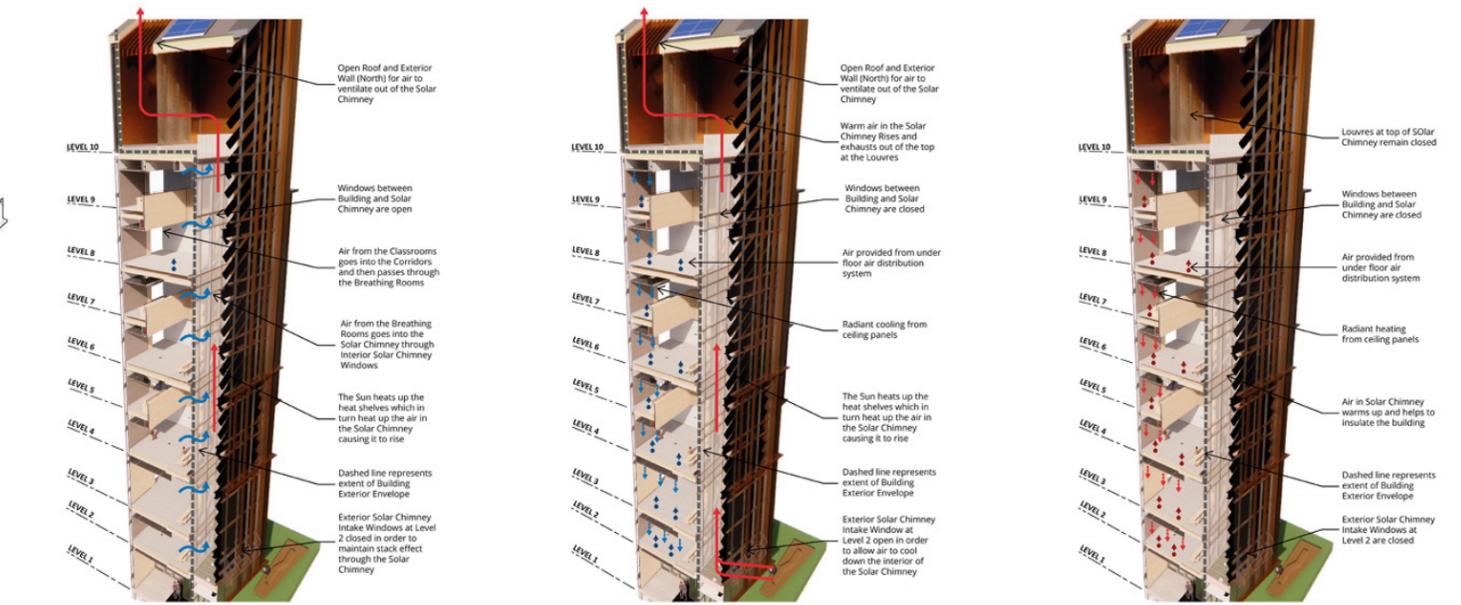


Active Systems

- 1 Fresh Air
- 2 Underfloor Air Plenum
- 3 Displacement Air Supply
- 4 Return Air Intake
- 5 Total Heat Recovery
- 6 Exhaust Air at Each Floor
- 7 Solar Chimneys
- 8 PV-Ready Rooftop
- 9 Geo-Thermal Heat Pump

Passive Systems

- 10 Supply Air / Operable Windows
- 11 Air Travels Through Corridors
- 12 Air Travels Through Atria
- 13 Air Exhausted by Solar Chimney



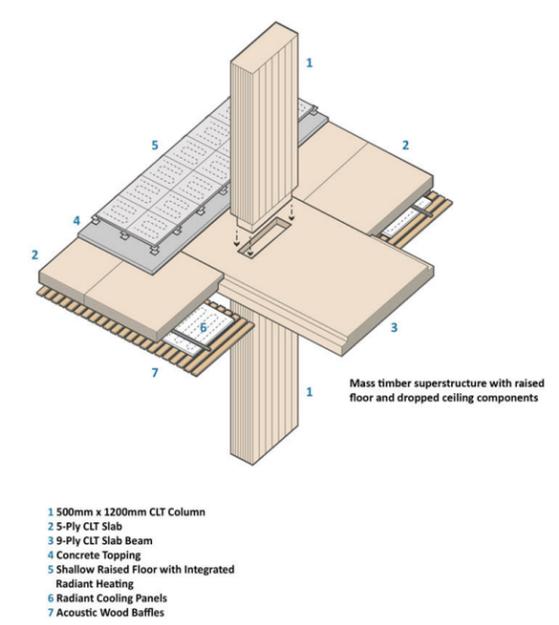
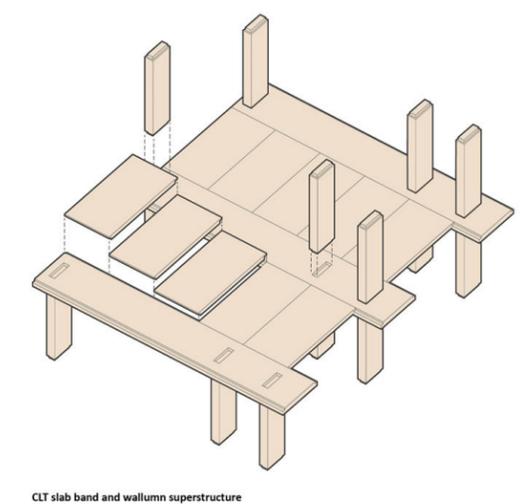
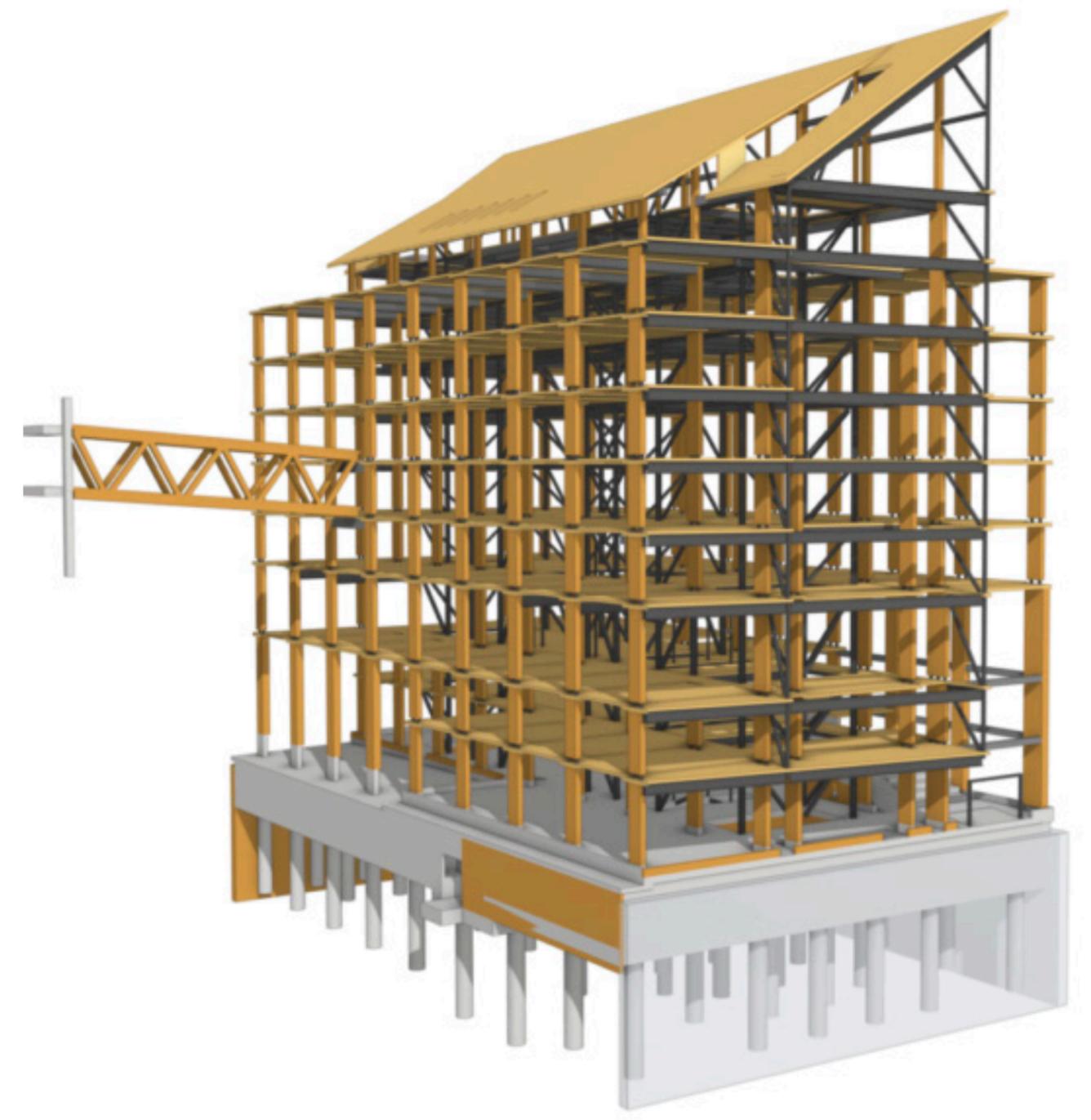
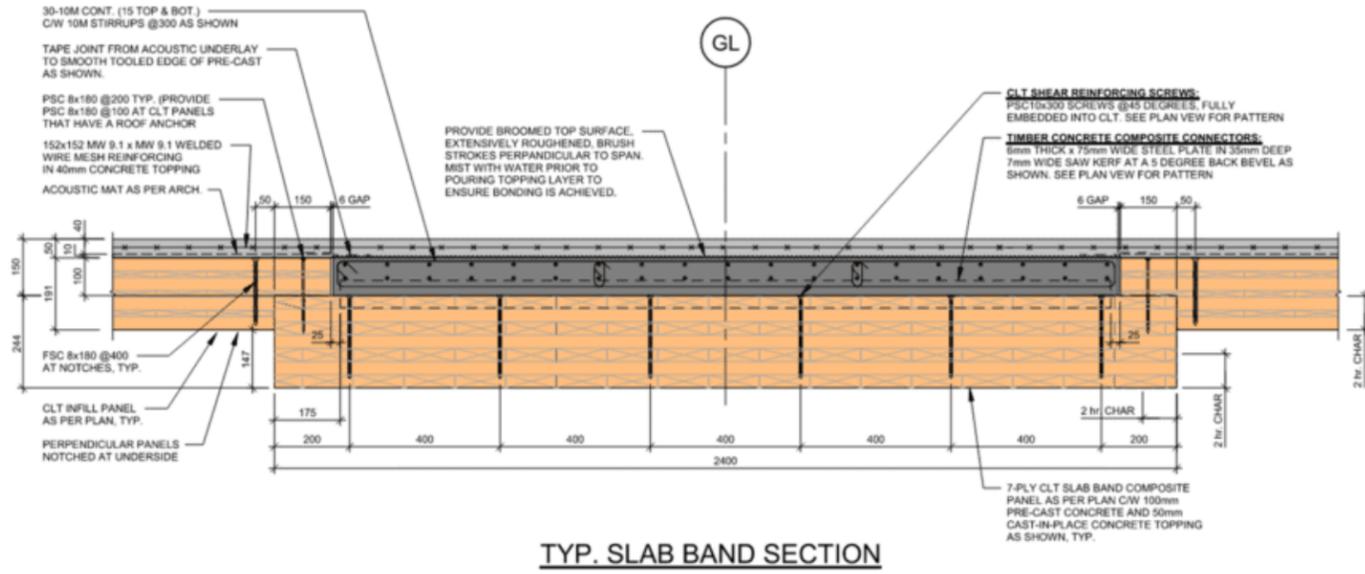
1 PASSIVE - NATURAL VENTILATION MODE

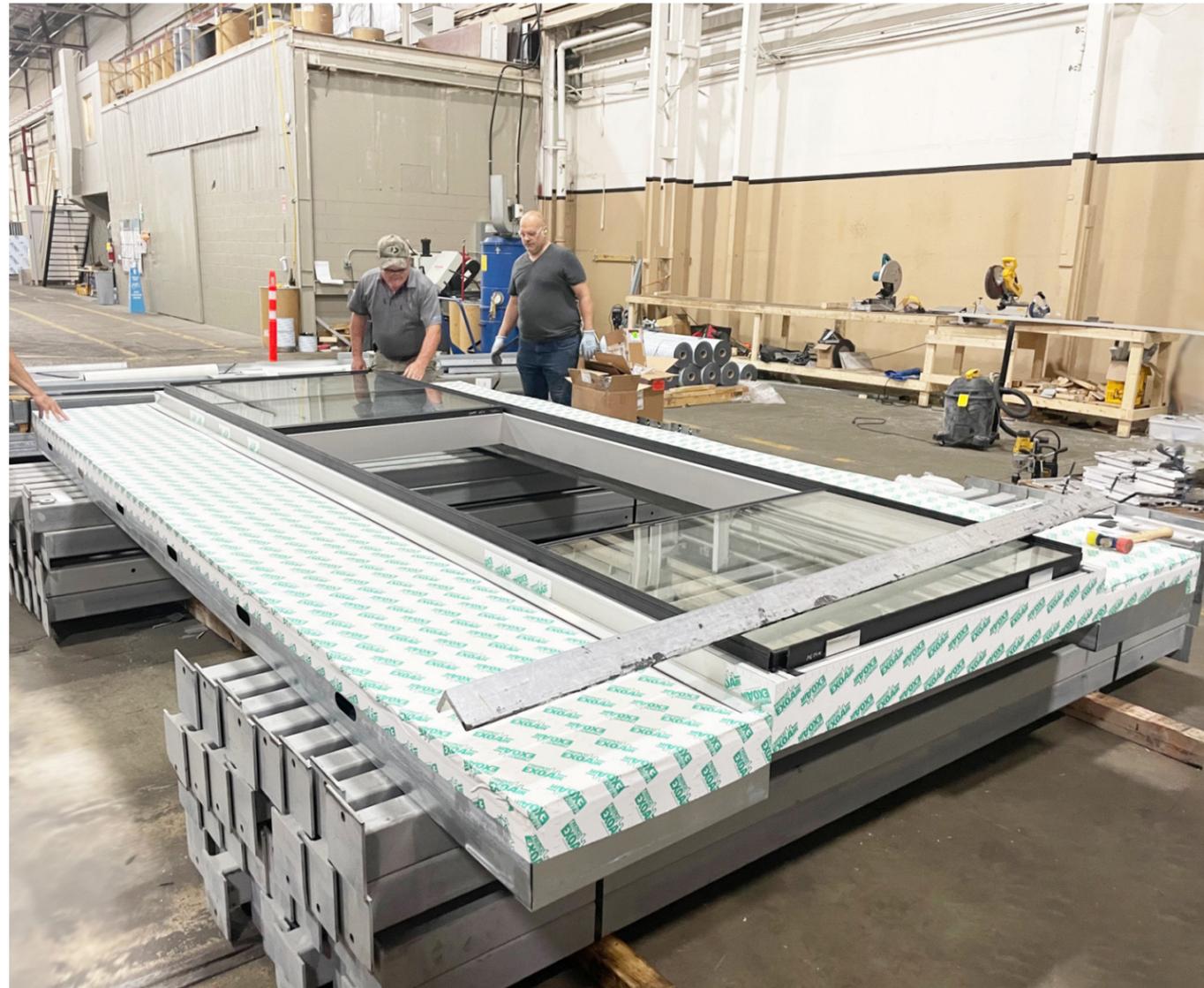
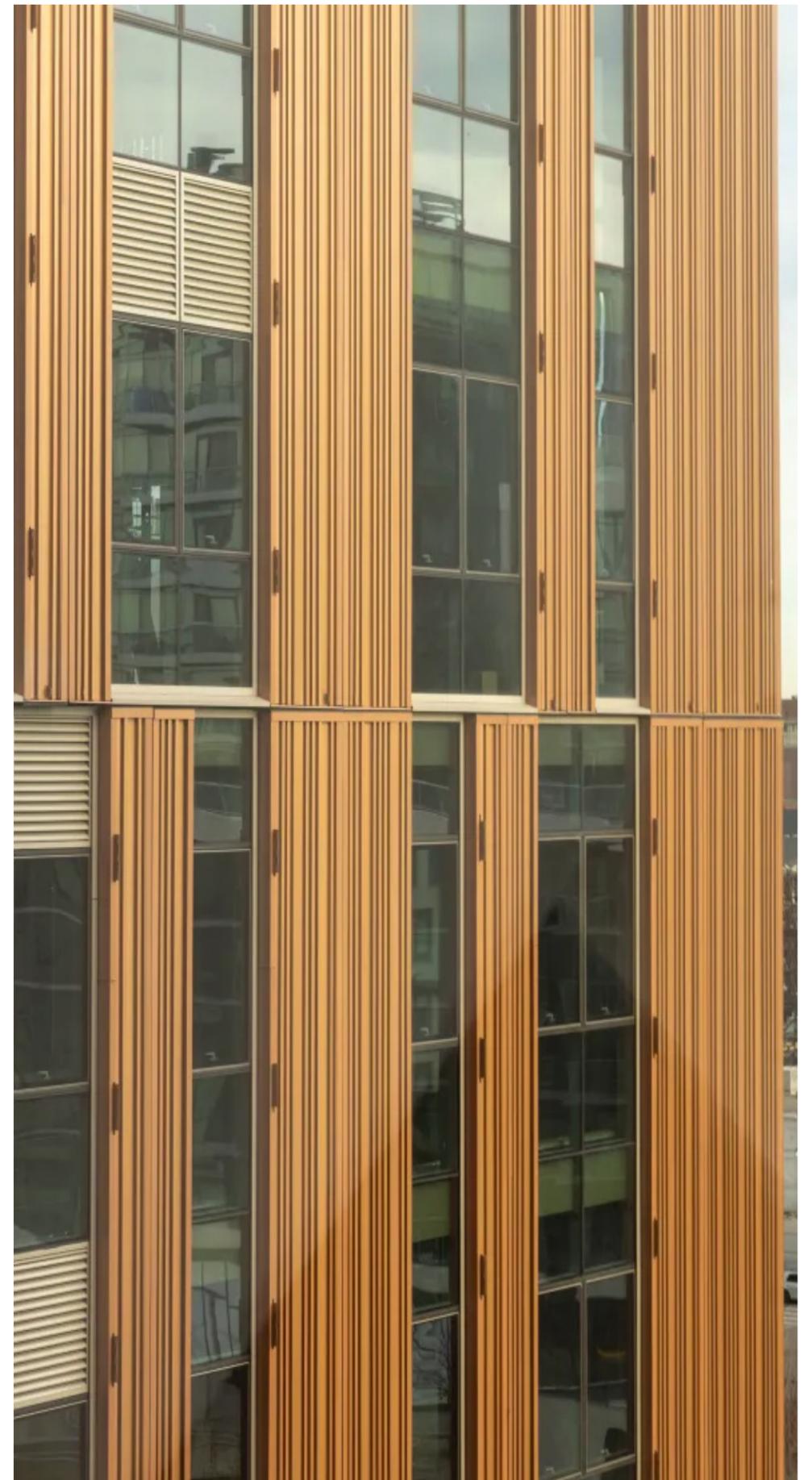
2 ACTIVE - COOLING MODE

3 ACTIVE - HEATING MODE

SOLAR CHIMNEY OPERATION MODES







Précédent Endesa Pavilion

Préparé par Sarikey, Laëtita





Endesa Pavillion

Type de projet : Pavillon pour le congrès international BCN Smart City.

Location : Barcelone, Espagne

Client : Endesa

Architecte : Institute for Advanced Architecture of Catalonia (IAAC) / Arch.

Rodrigo Rubio and Arch. Miguel Guerrero

Ingénierie du bois : Fupicsa (MetsäWood)

Ingénierie photovoltaïque : TFM (Comsa)

Budget : \$100K - 500K

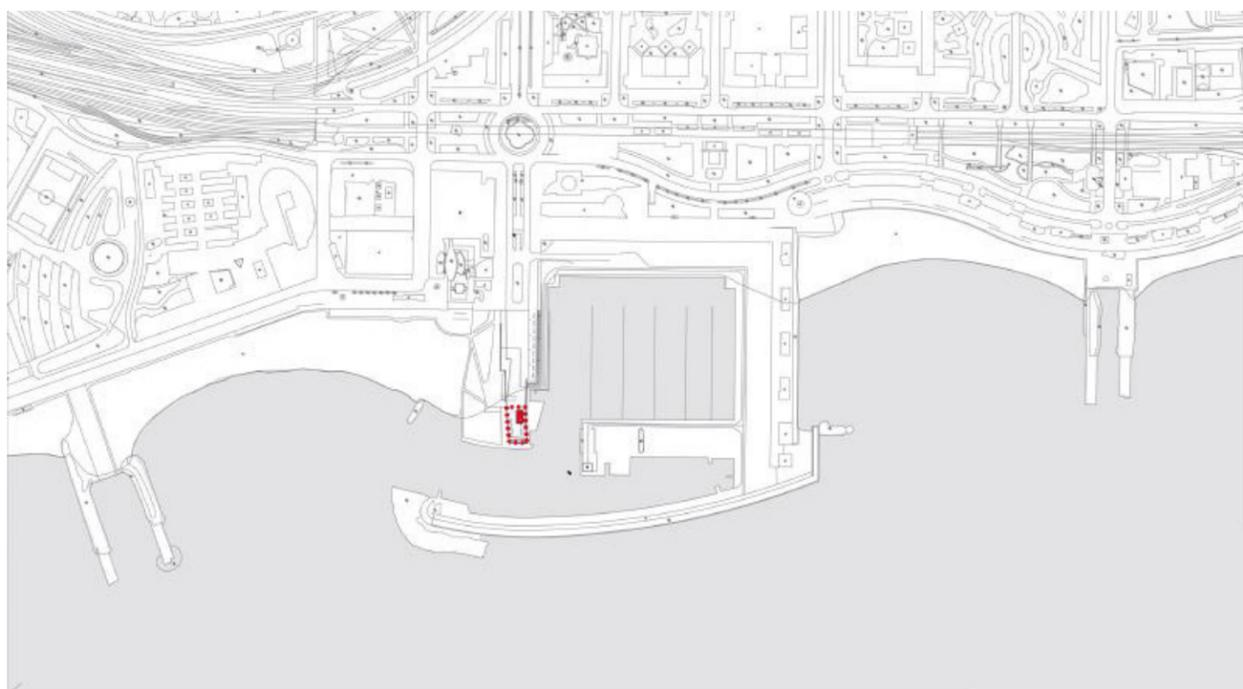
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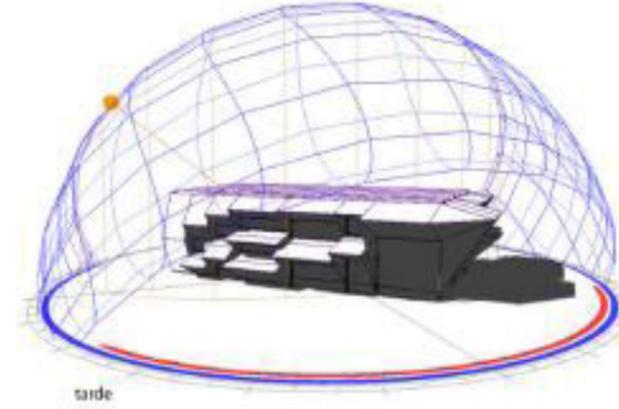
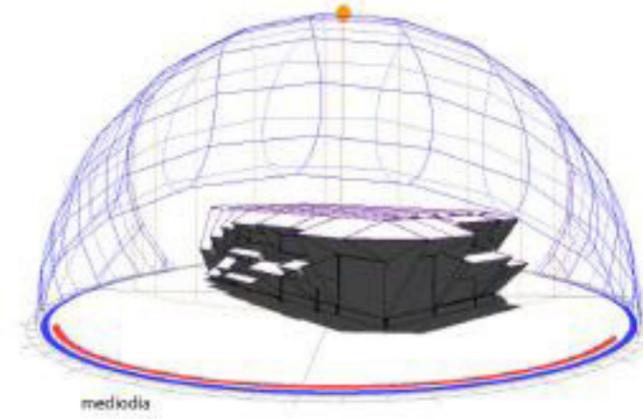
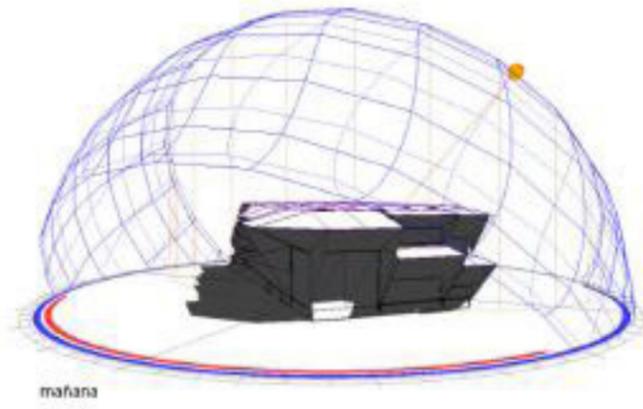
Période de conception : 8 semaines

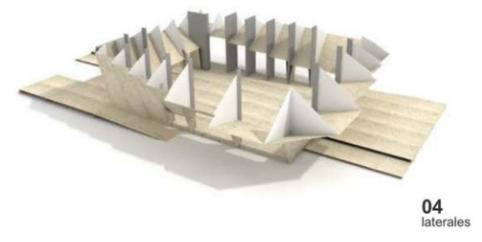
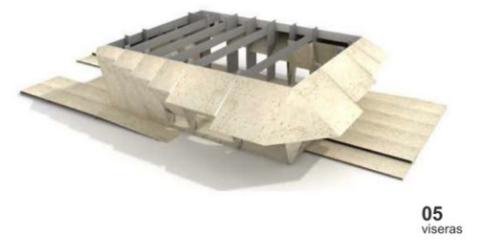
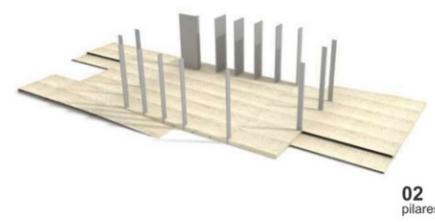
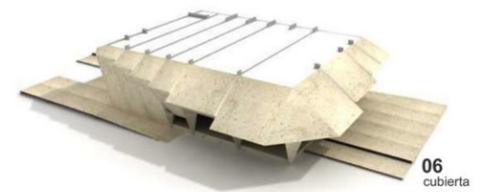
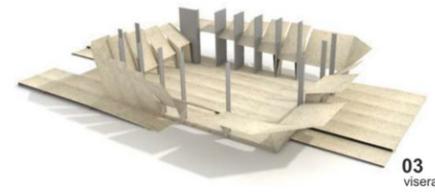
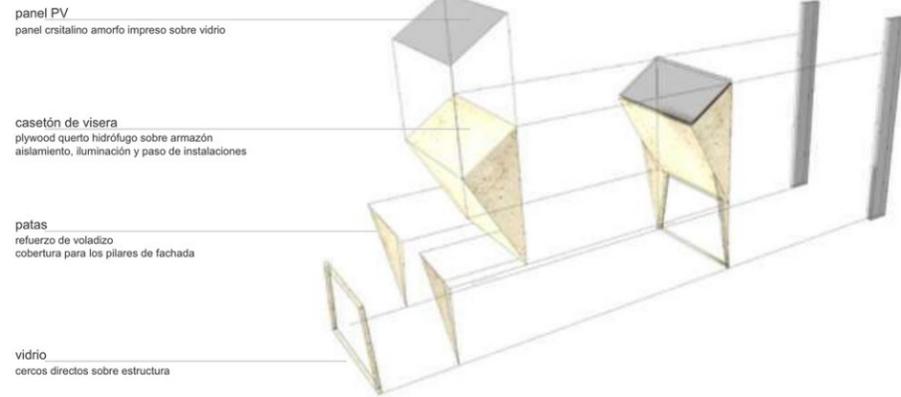
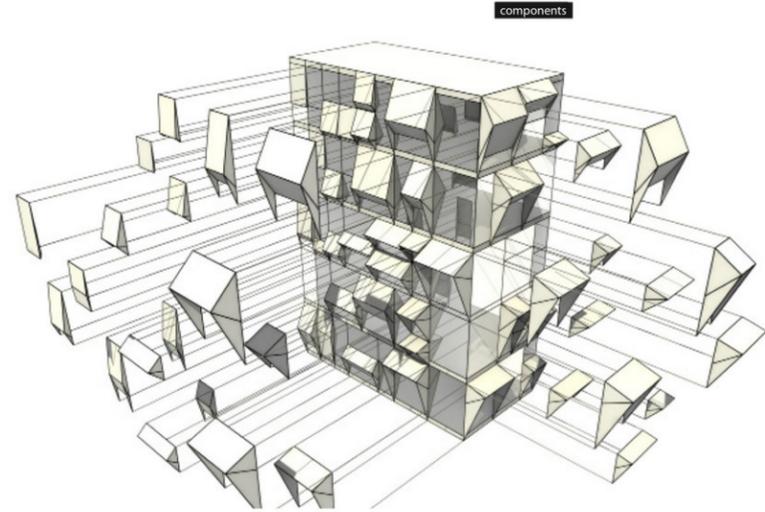
Période de construction : 4 semaines

Systeme constructif : Structure de Sapin microlaminé, Façade modulaire composée d'éléments adaptables, Panneaux photovoltaïque

Certification : NA





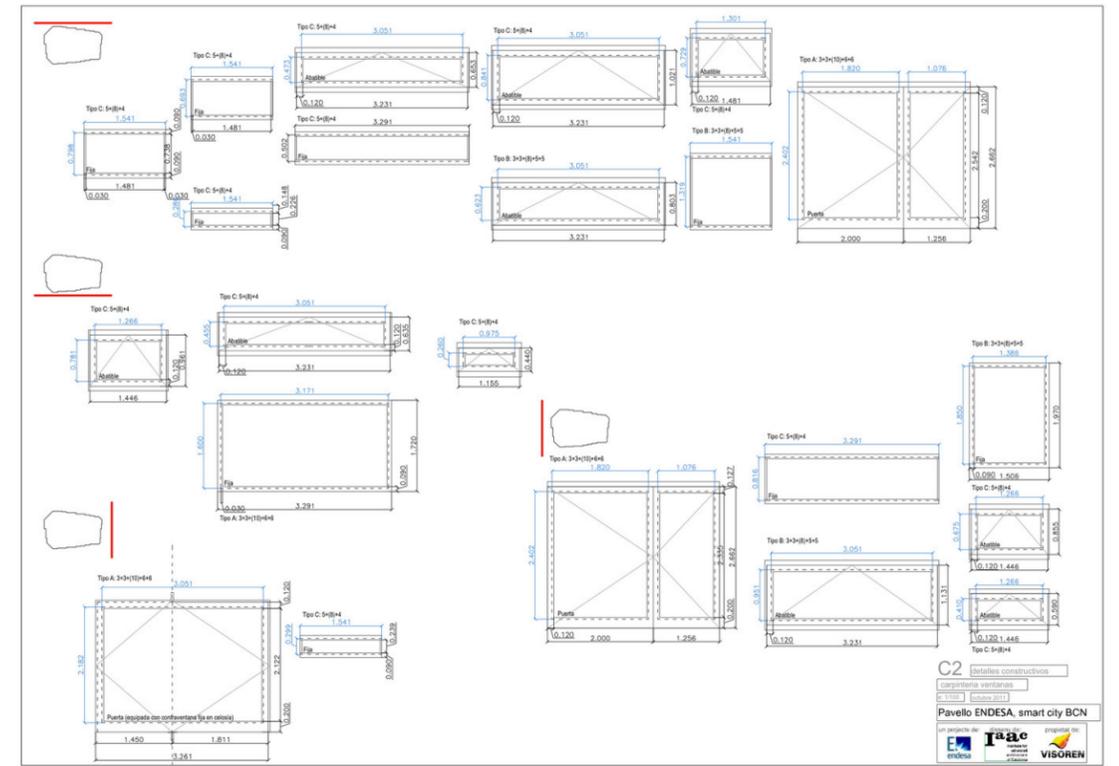
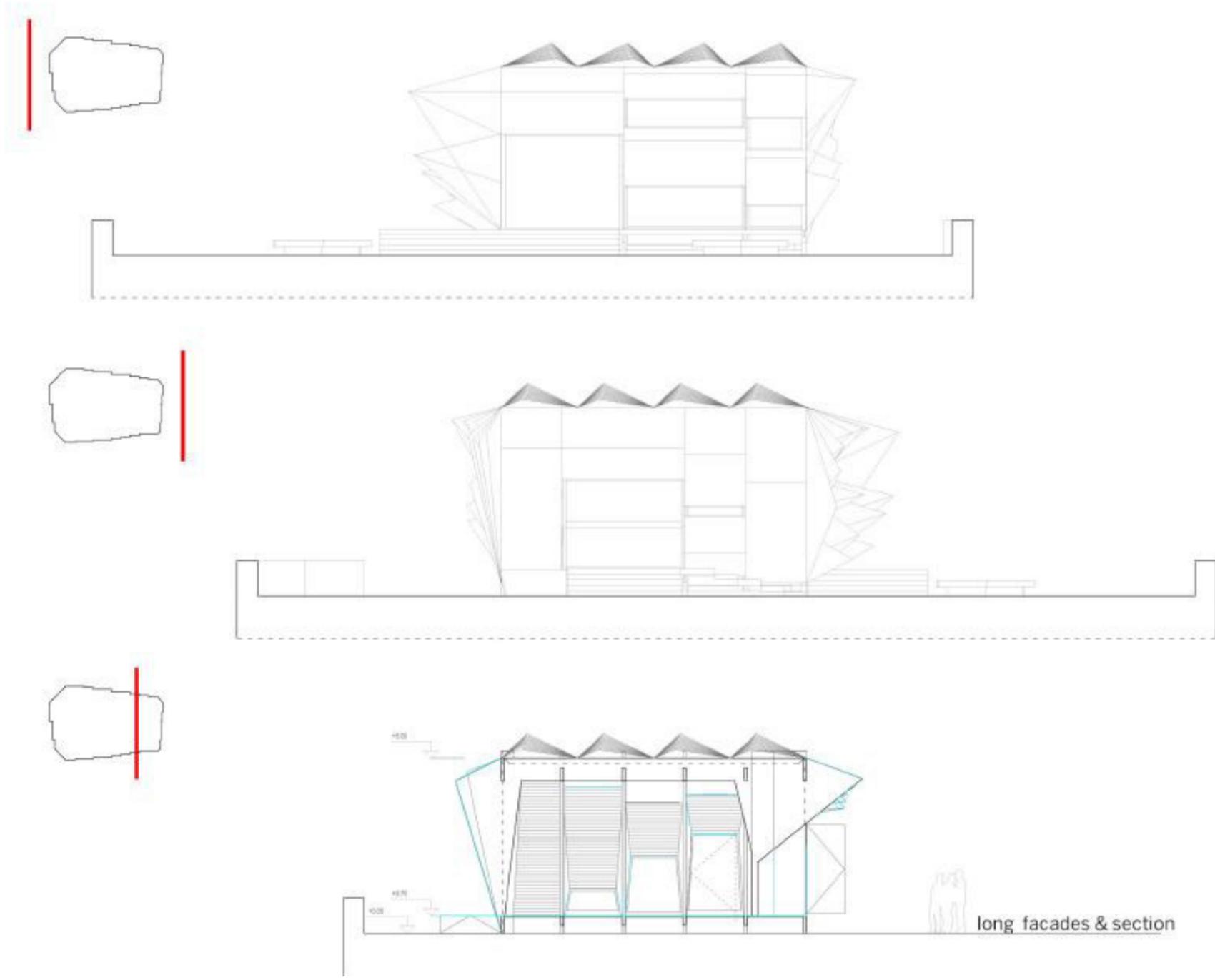


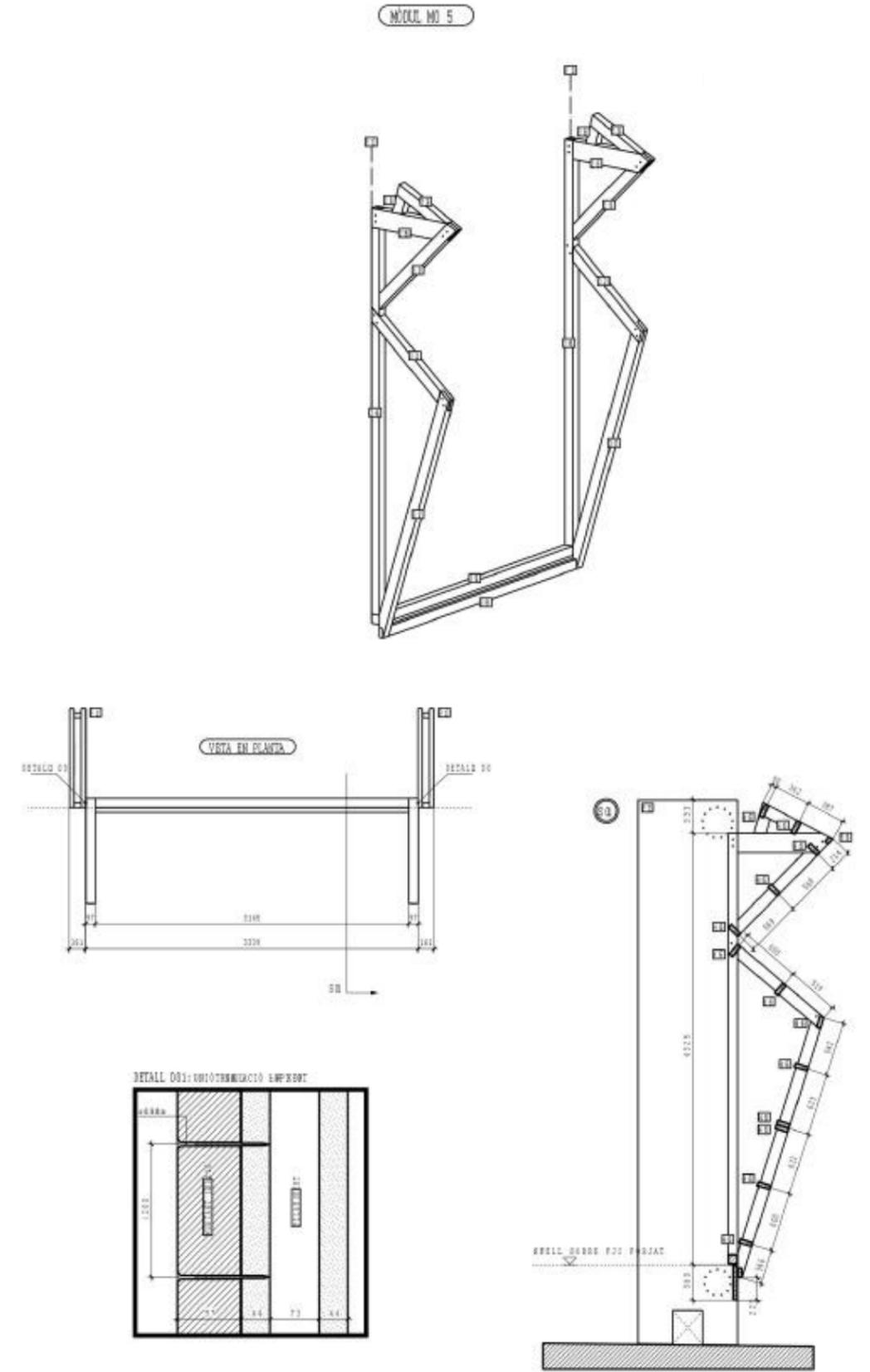
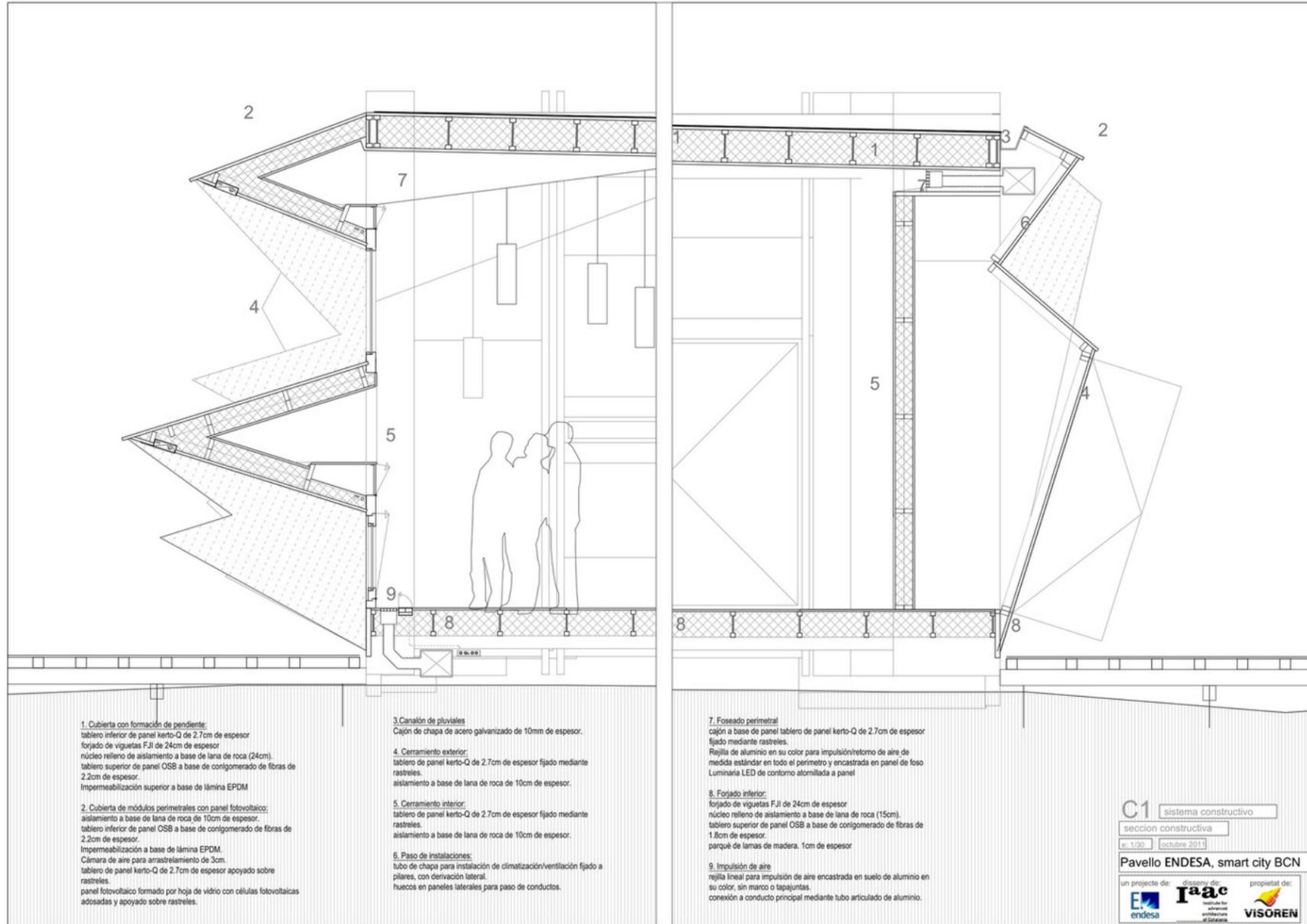
pavello ENDESA
smart city BCN

document: date:	fasas de montaje C 02 06.10.2011
un proyecto de: endesa	propiedad de: VISOREN

pavello ENDESA
smart city BCN

document: date:	sistema constructivo C 01 06.10.2011
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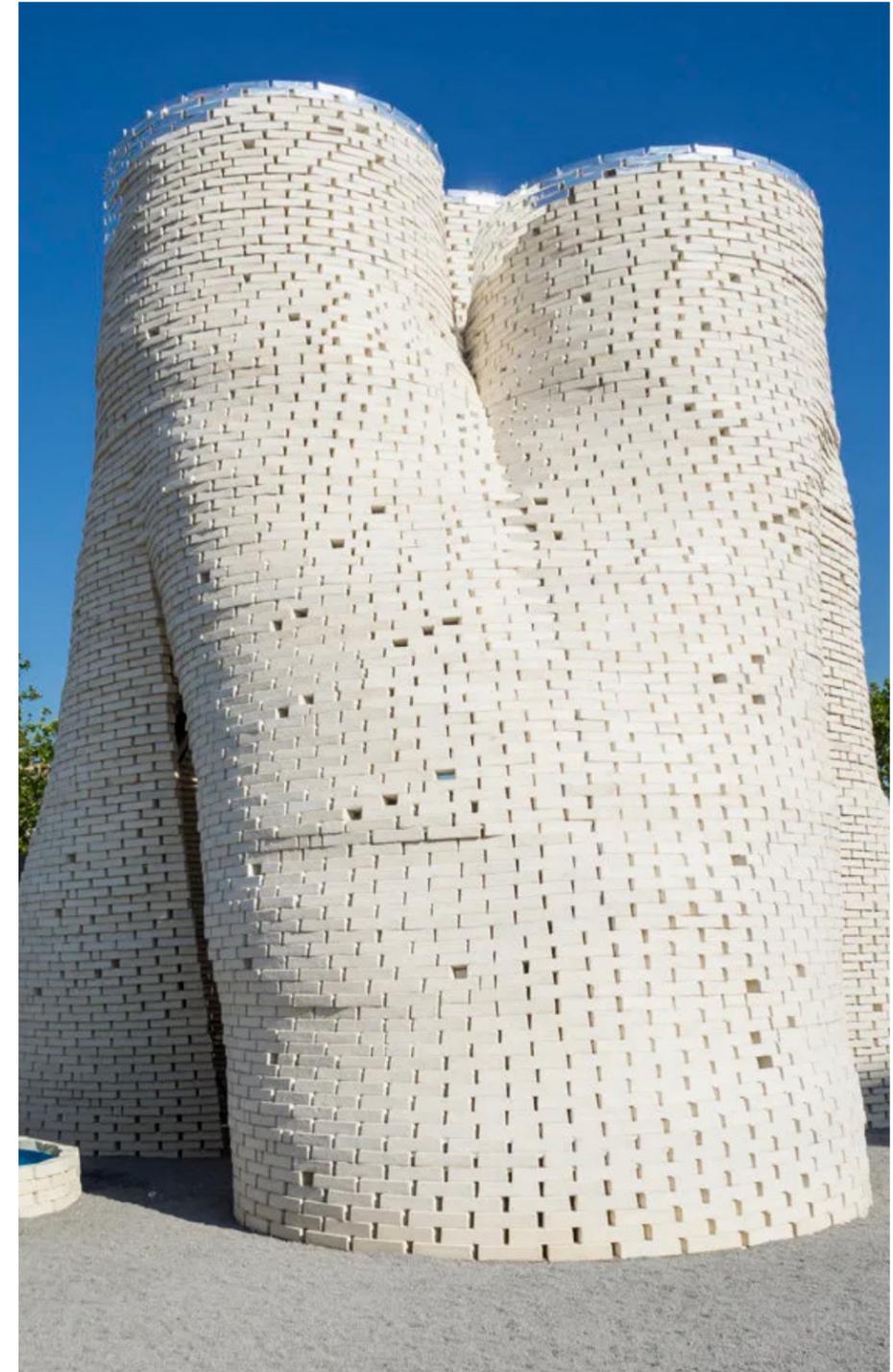






Précédent Hy Fi & Growing pavillon

Préparé par Sarikey, Laëtitia





Tour Hy-fi

Type de projet : Pavillon pexposée dans la cour du MoMA PS1 dans le Queens

Client : MoMA PS1 Young Architects Program

Location : Museum of Modern Art and MoMA PS1, New York City

Architecte : The Living

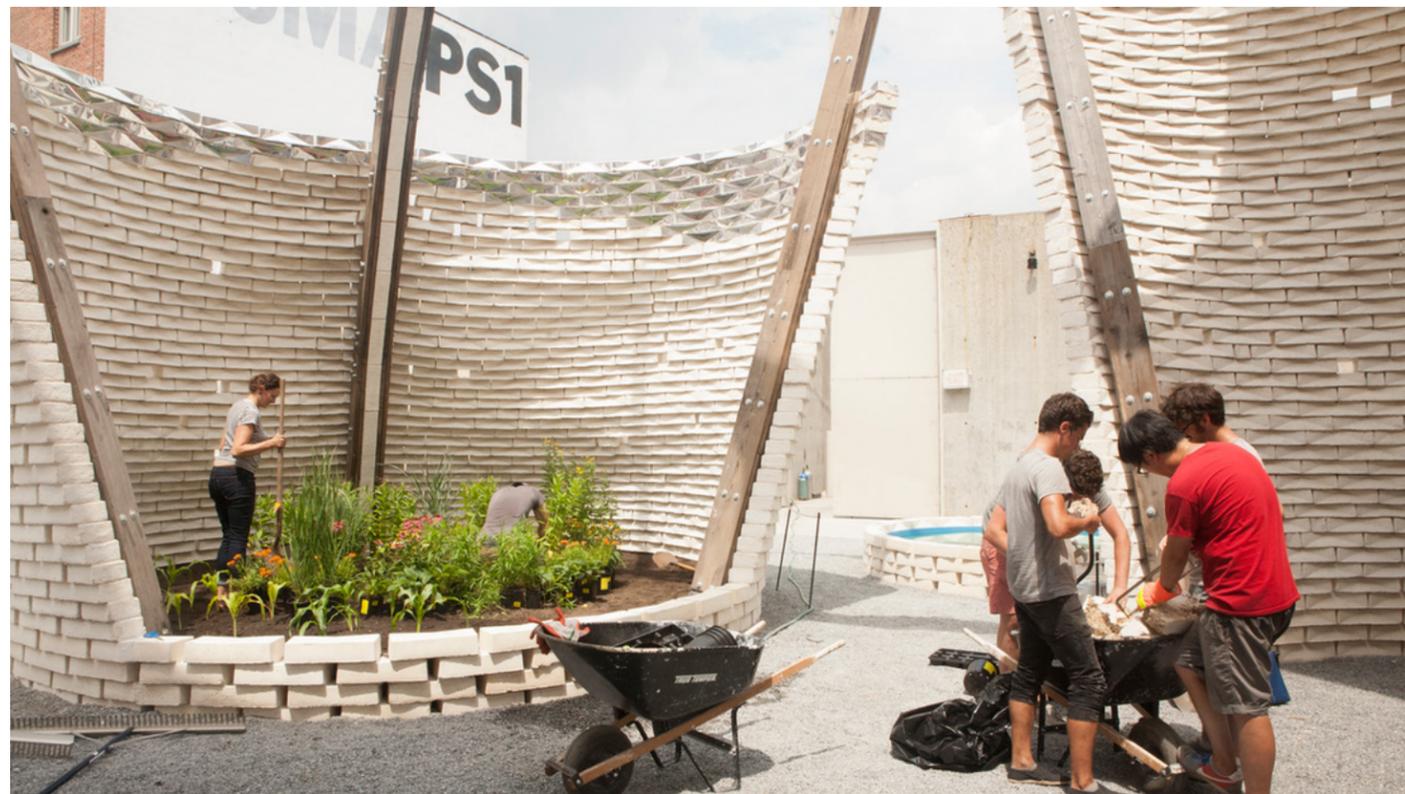
Budget : NA

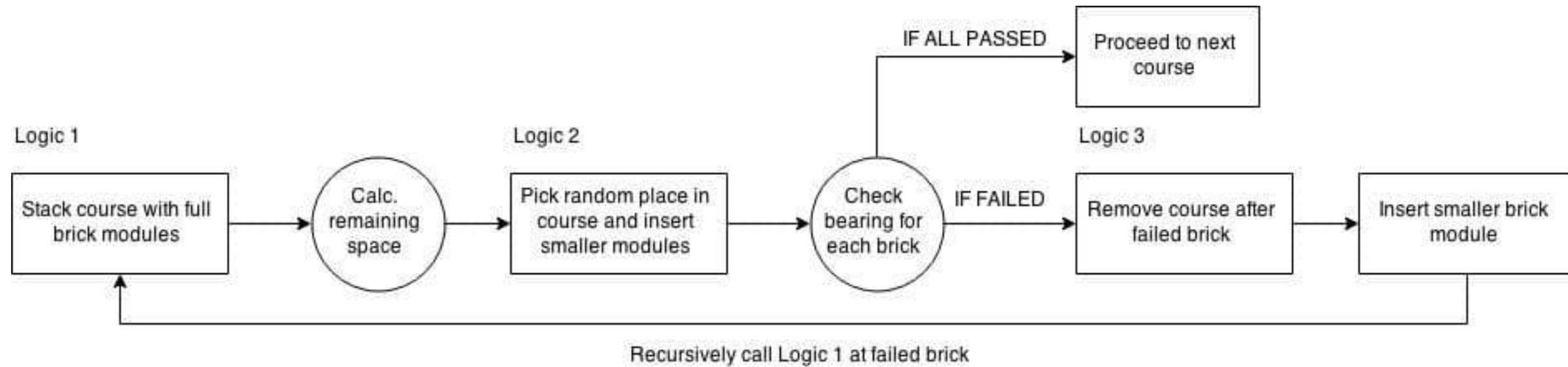
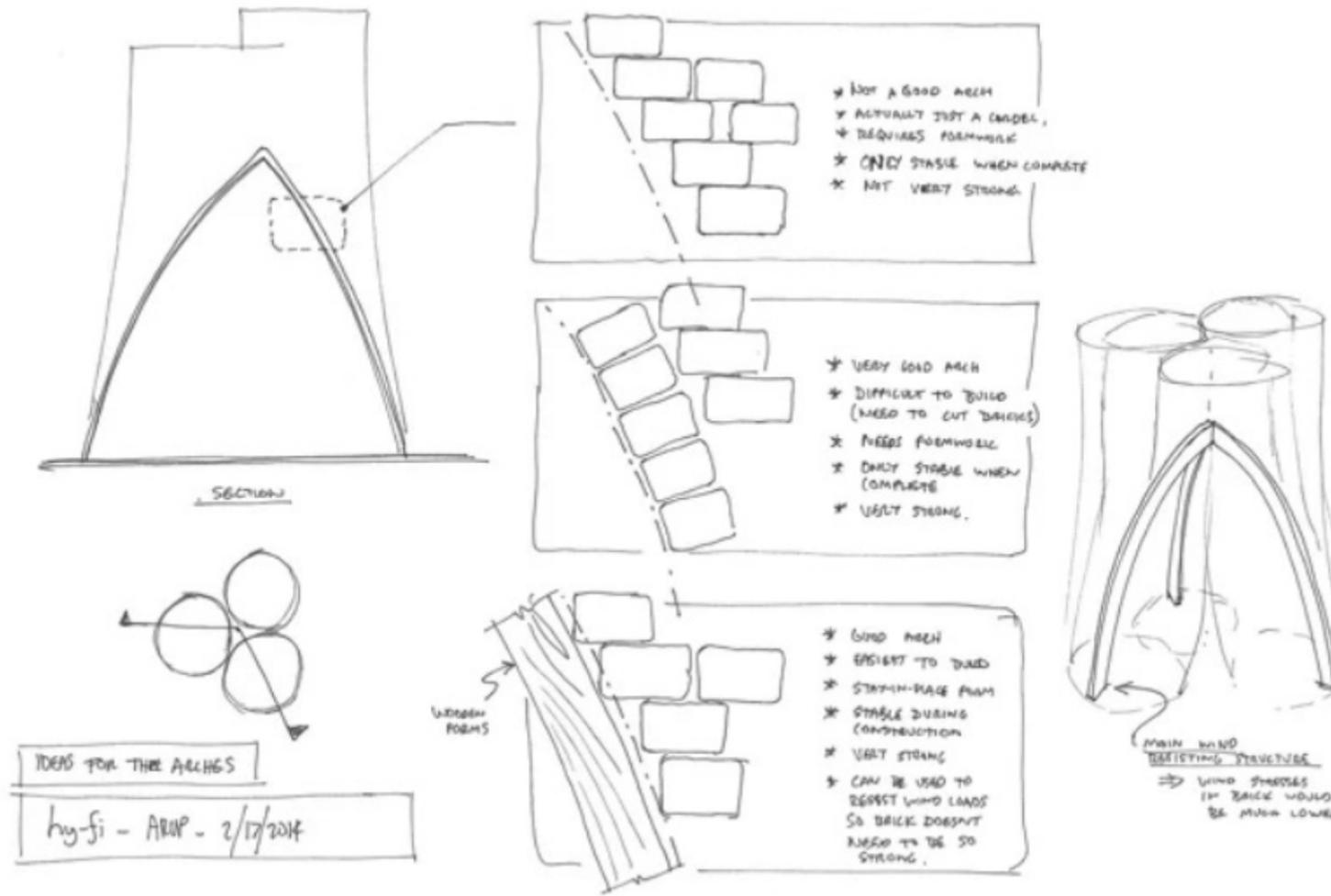
Date : 2014–2015

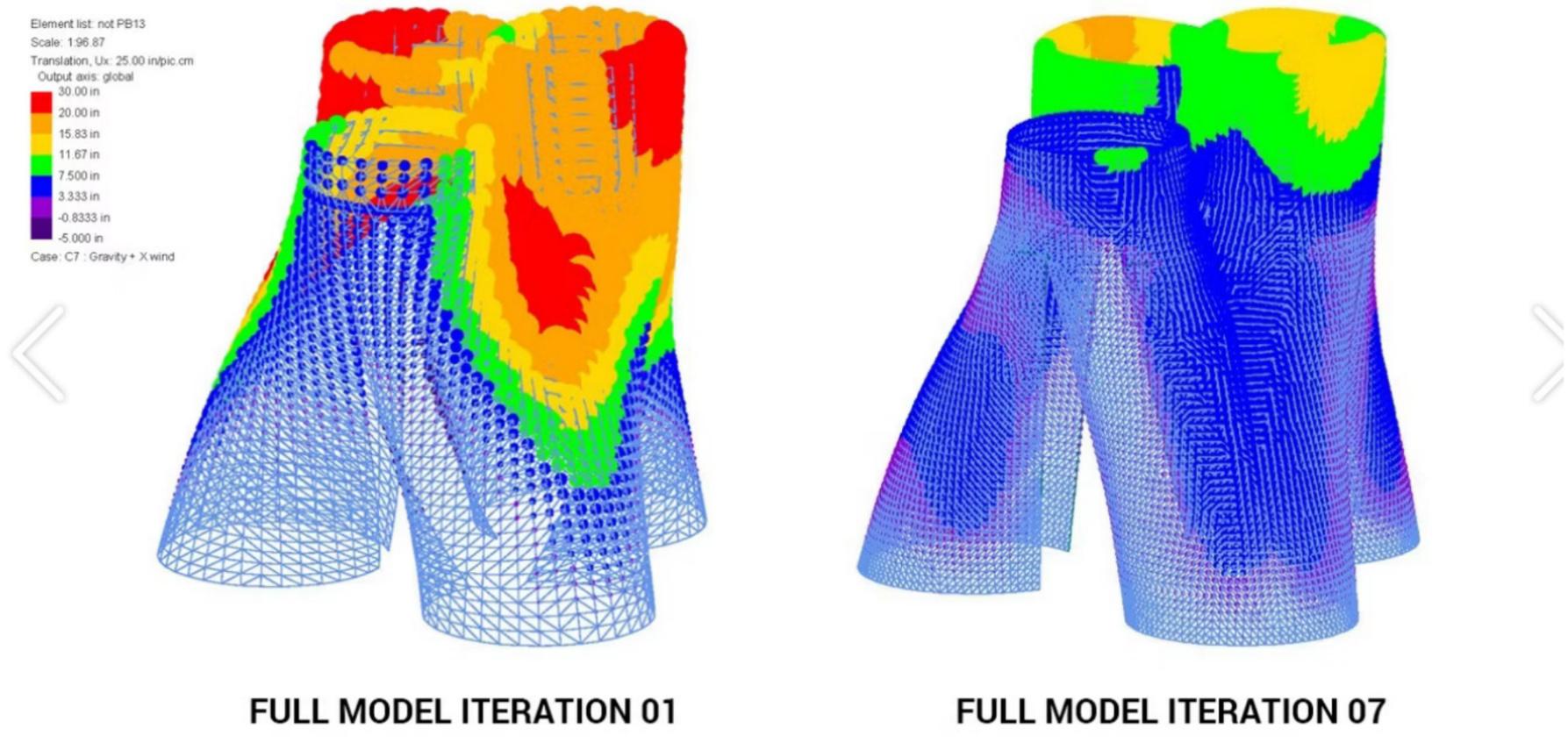
Hauteur : 12-13metres

Systeme constructif : Structure d'acier, 10,000 briques de mycelium

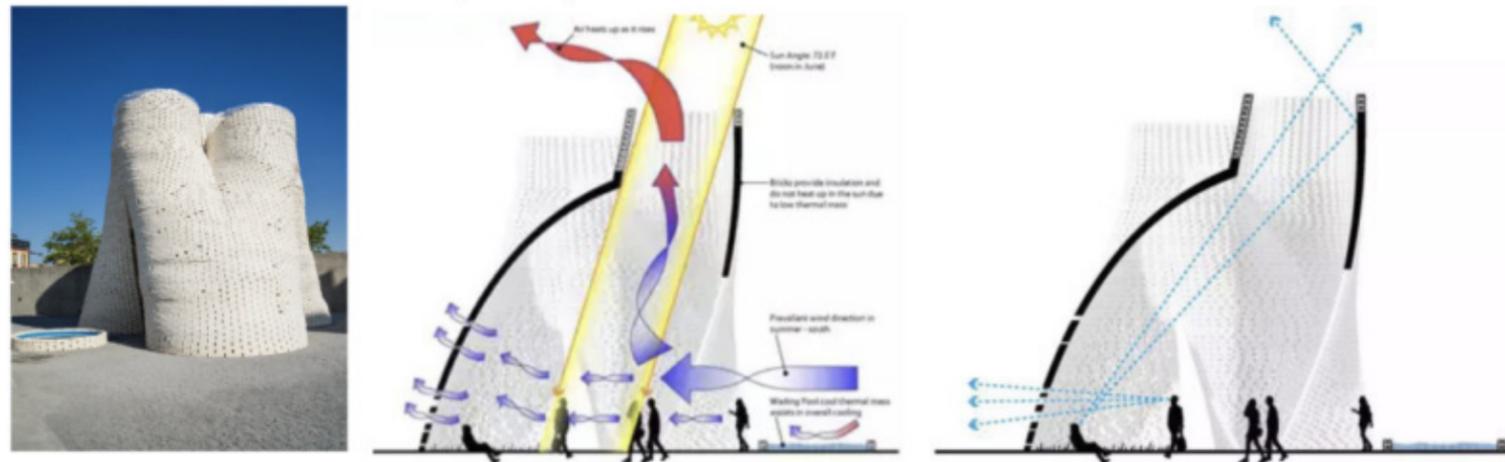
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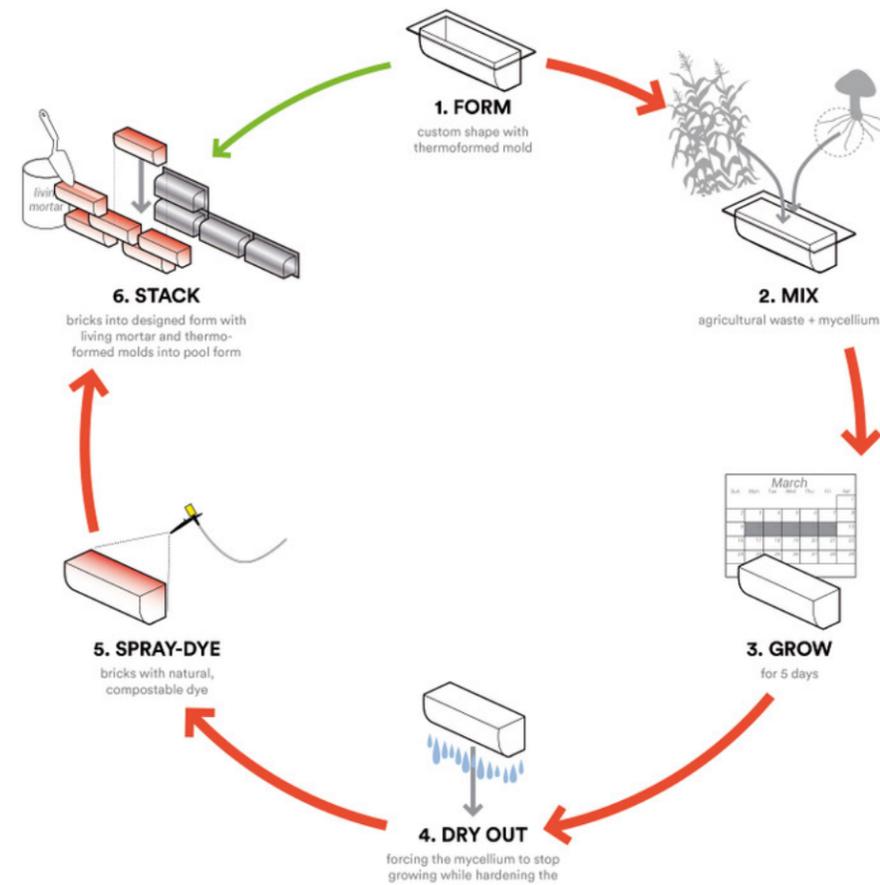
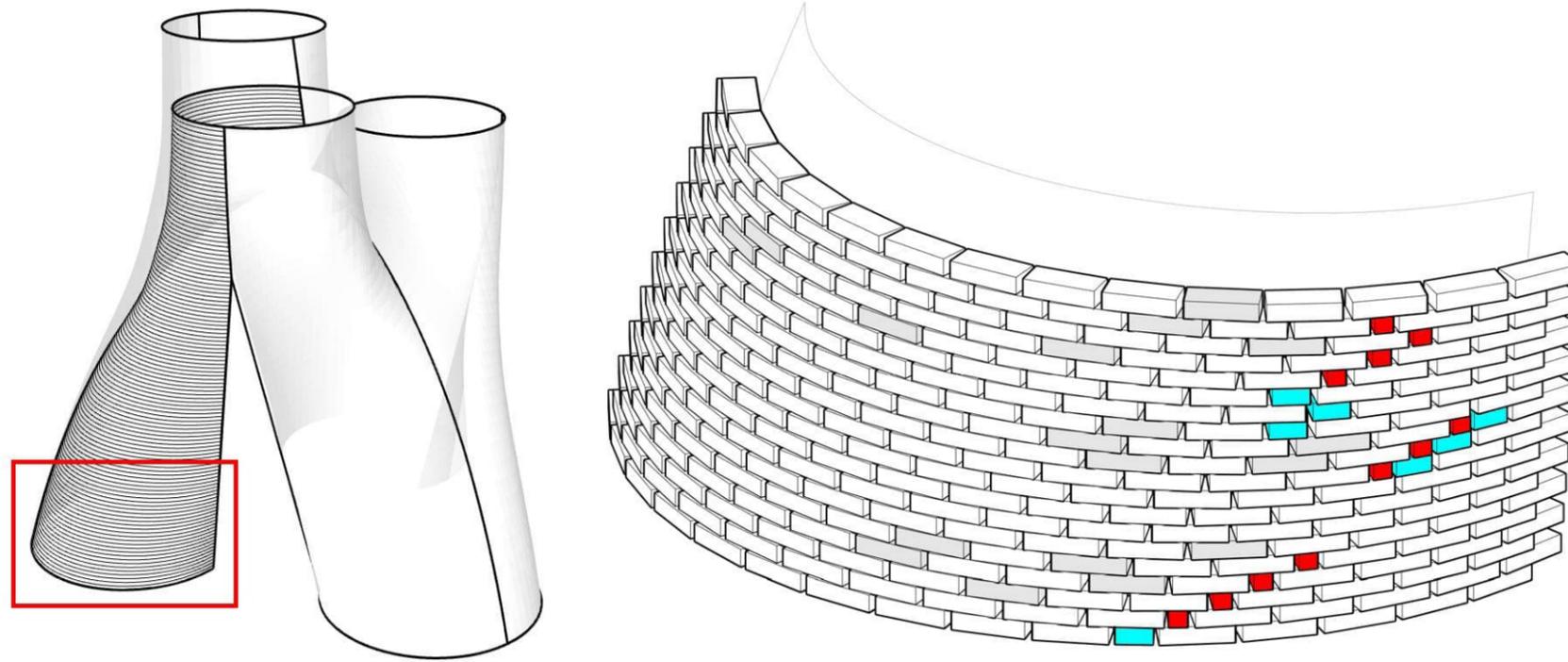




The Hy-Fi (Appels et al., 2019)



Crucially, completed pavilion measured. Data showed wind used to draw the pavilion into hybrid shape.

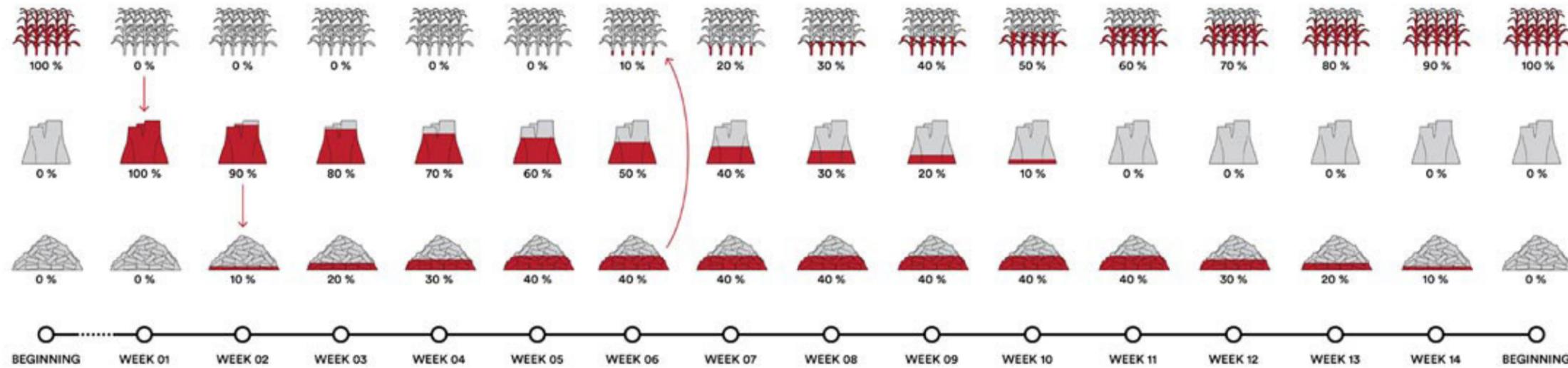


MANUFACTURING (BEGINNING OF LIFECYCLE): A GROWN BRICK

- 1. Laboratory (cultivate mycelium)
- 2. Agriculture (collect waste)
- 3. Manufacturing (combine in mold)
- 4. Industry (grow at scale)
- 5. Construction (lay bricks on site)



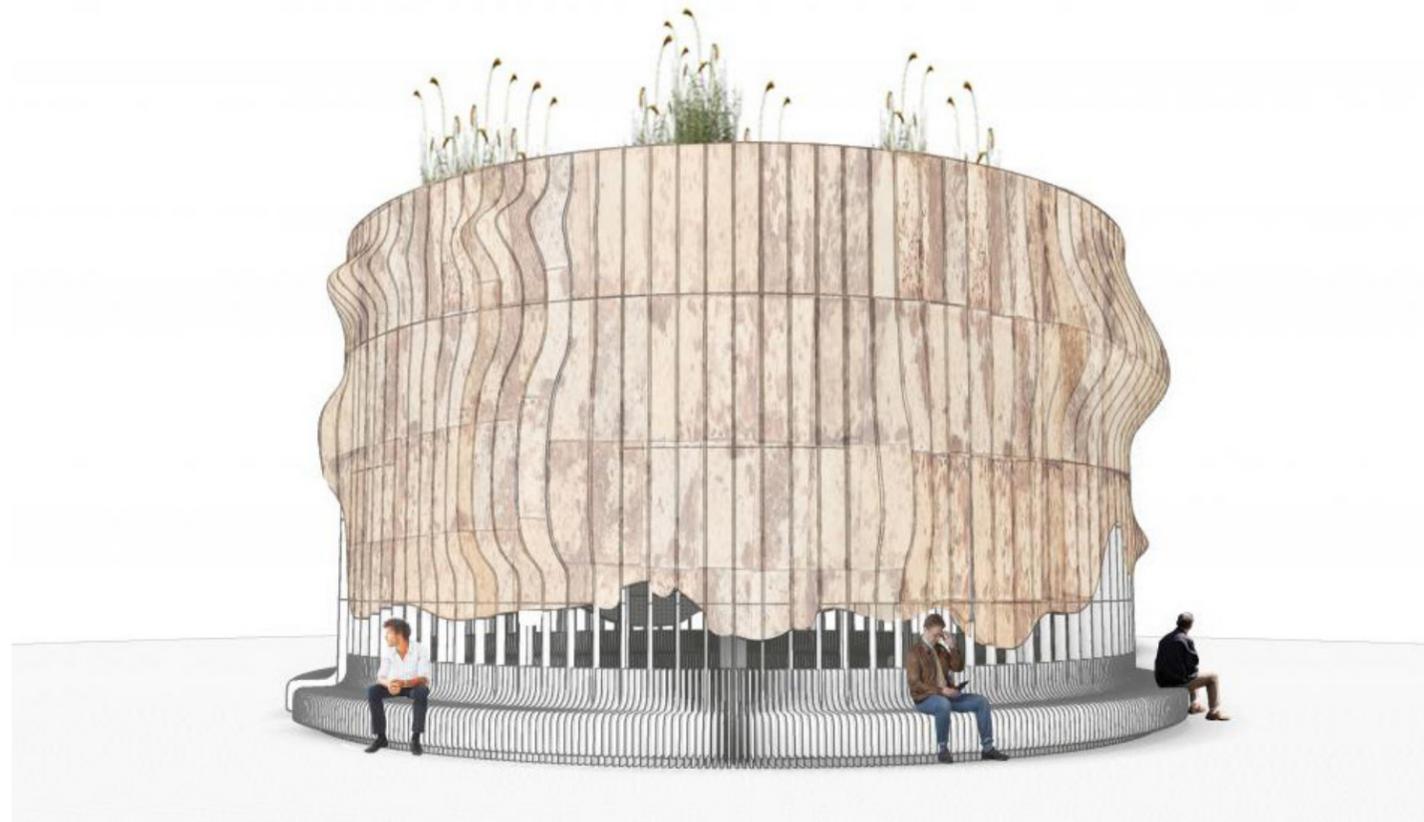
DESIGNED TO DISAPPEAR



COMPOSTING (END OF LIFECYCLE): A BIODEGRADABLE BUILDING MATERIAL

- 1. Deconstruction (remove bricks)
- 2. Processing (break apart bricks)
- 3. Composting (add food waste)
- 4. Renewal (harvest soil)
- 5. Growth (soil used for new planting)





The Growing Pavilion

Type de projet : Pavillon pour le Dutch Design Week 2019

Client : NA

Location : Eindhoven, Netherlands

Architecte : Pascal Leboucq en collaboration avec le studio Krown Design d'Erik Klarenbeek

Budget : NA

Date : 2019

Systeme constructif : Structure de Bois, Panneaux legers de mycelium

Certification : NA





