



EDILIZIA PUBBLICA E PRIVATA IN LEGNO

15 maggio 2015

Mario Cucinella Architects

promo legno

mario cucinella architects

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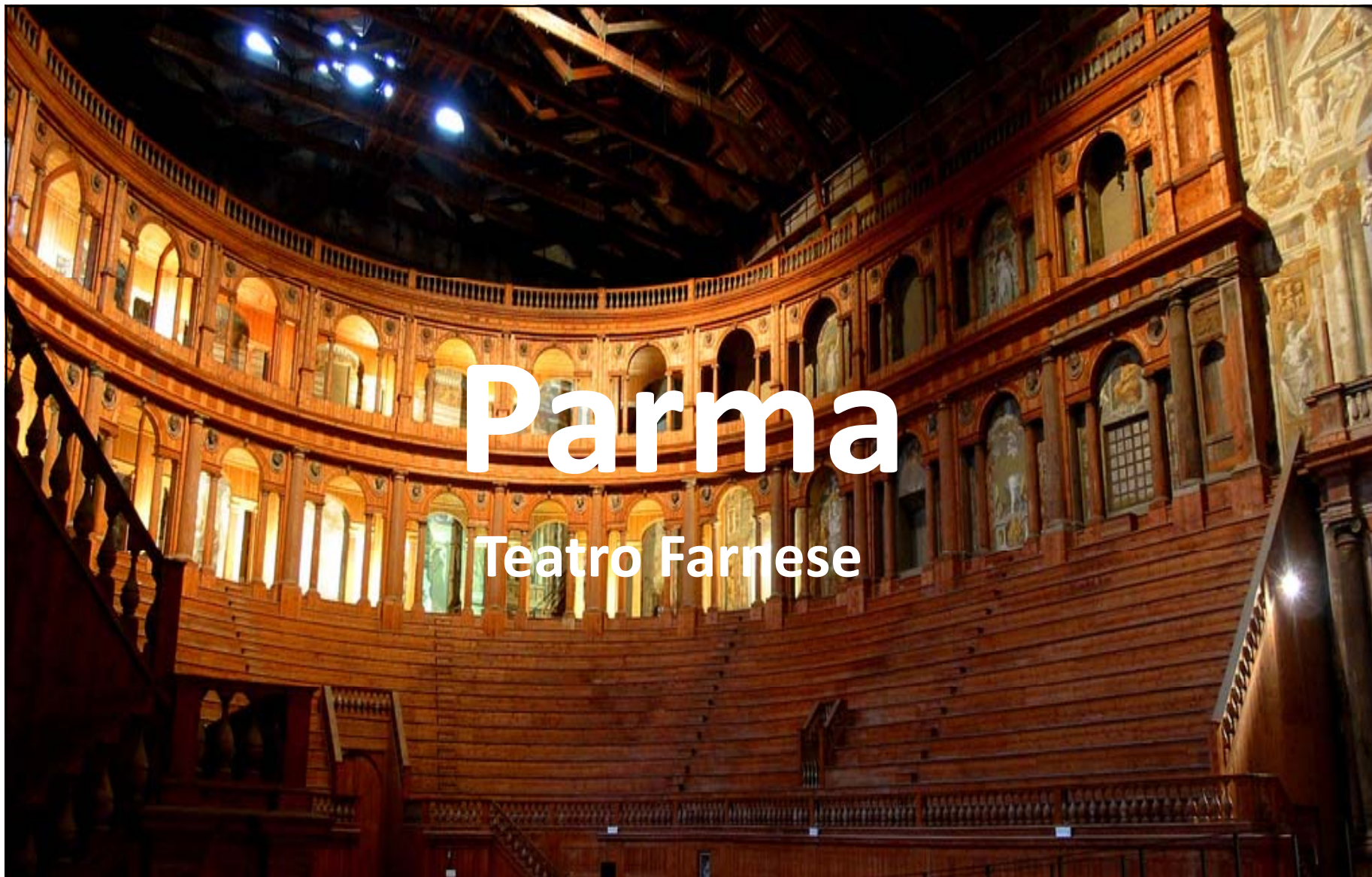
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Vicenza

Teatro Olimpico



Parma

Teatro Farnese

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IL LEGNO APRE NUOVI SCENARI CREATIVI

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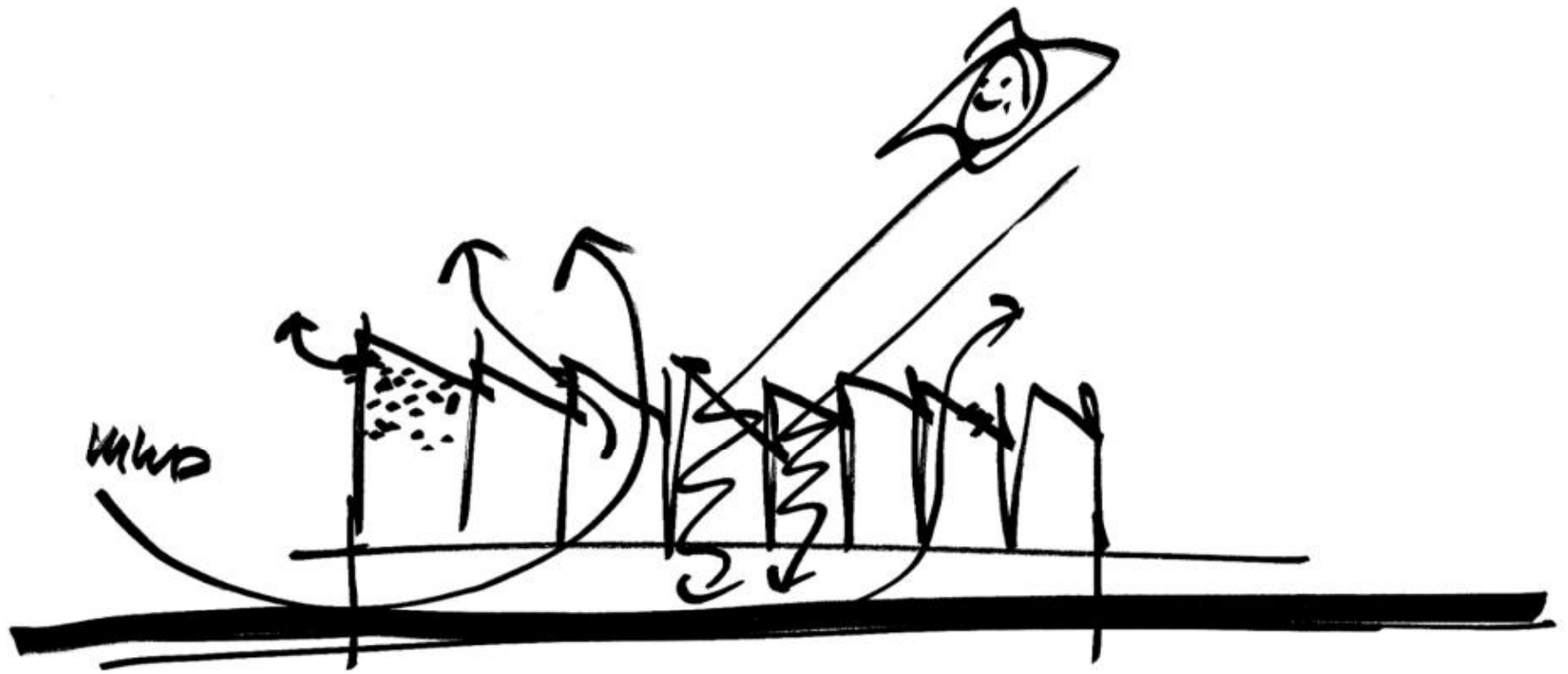
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ARPA

Nuova sede
Agenzia Regionale Protezione Ambiente

Ferrara
(in cantiere)

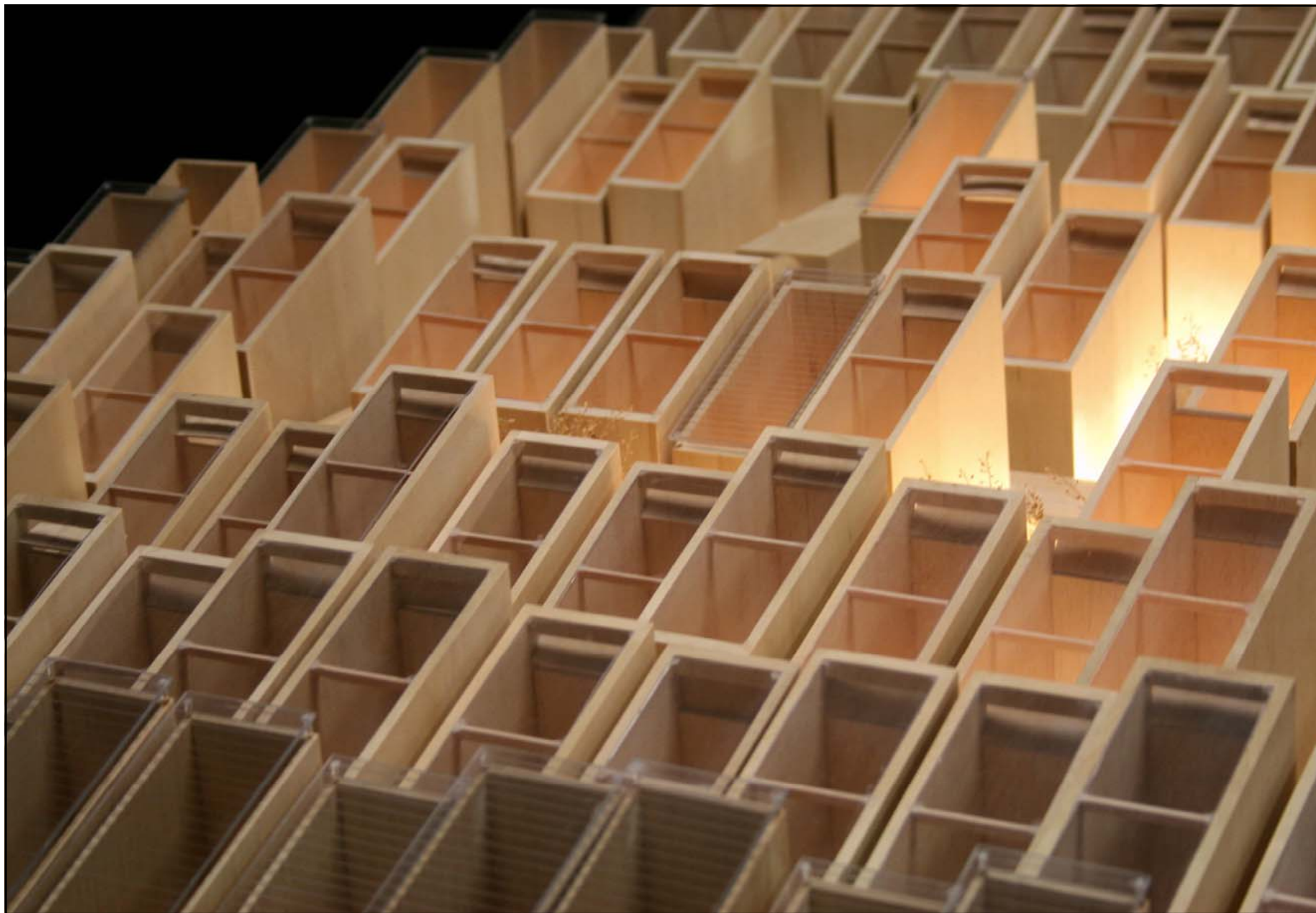


MLVD

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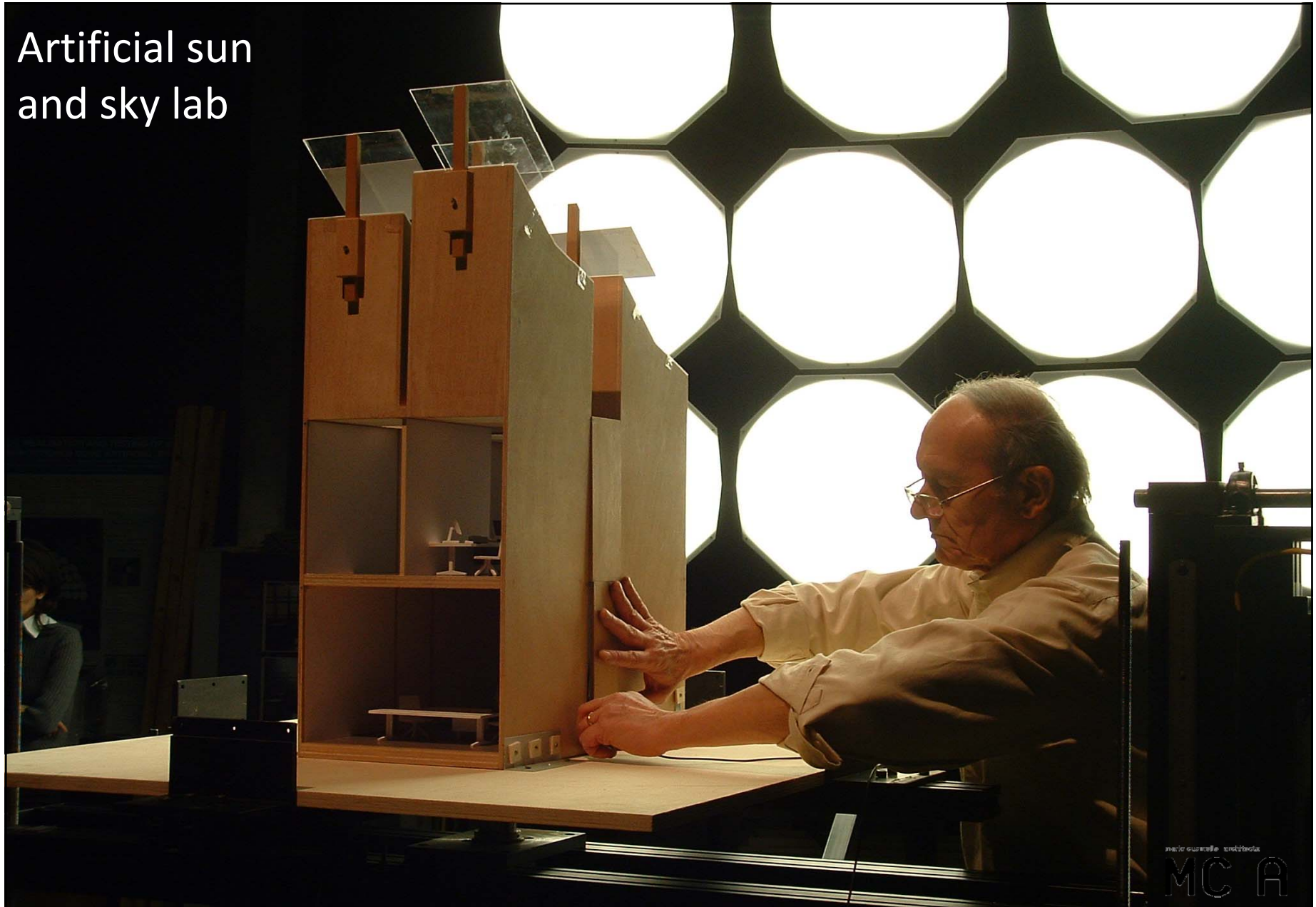
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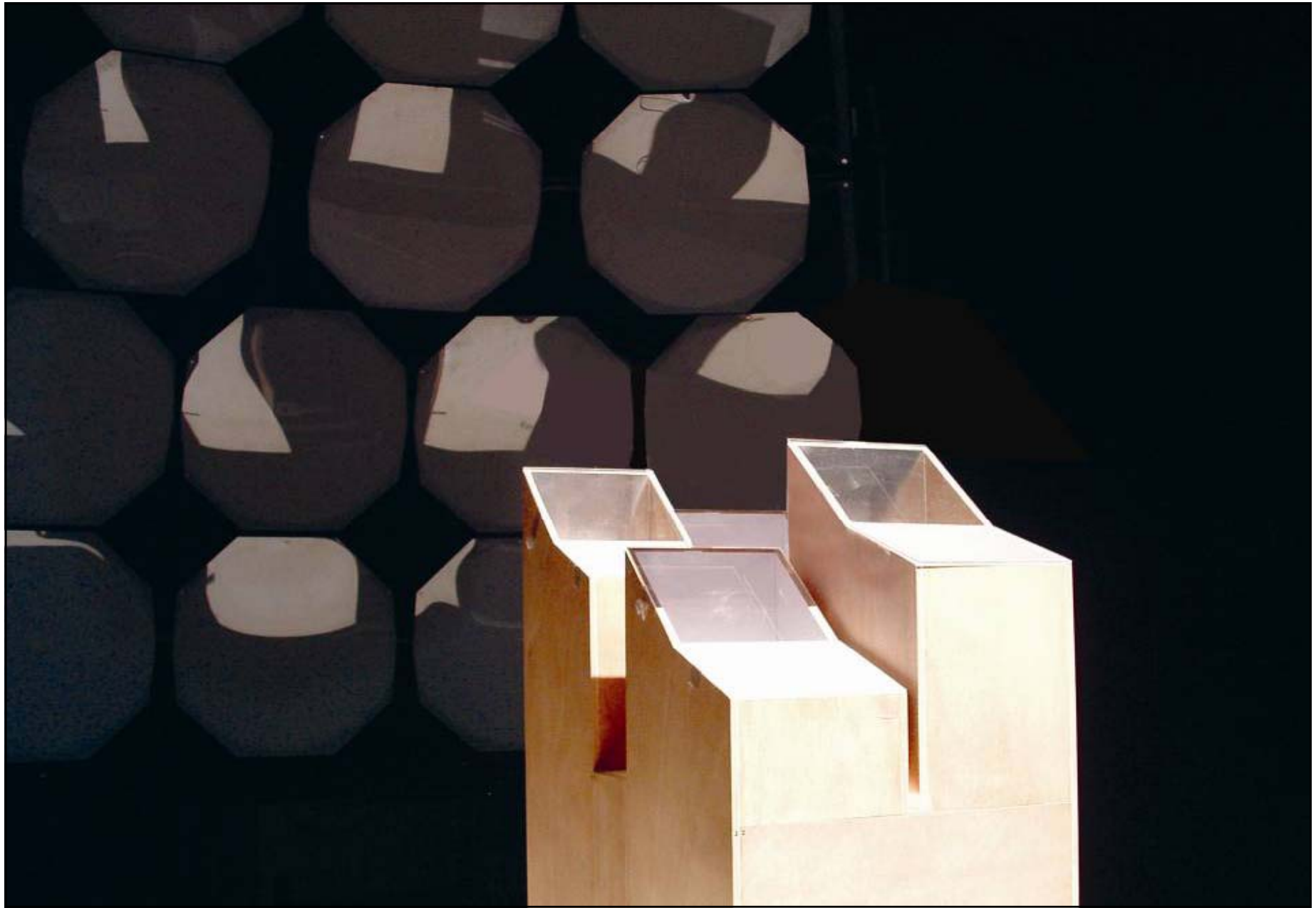






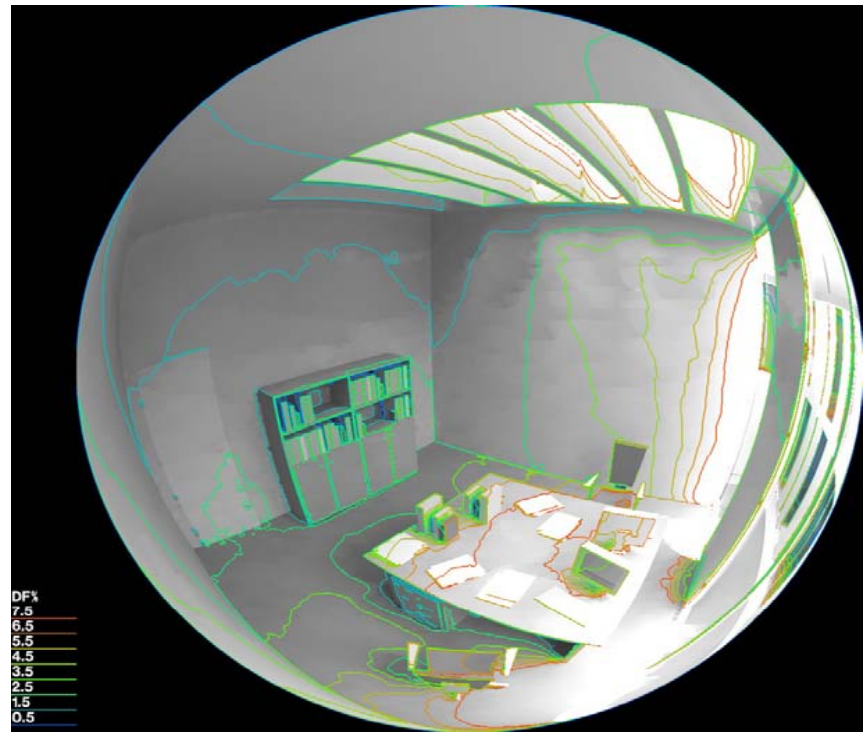
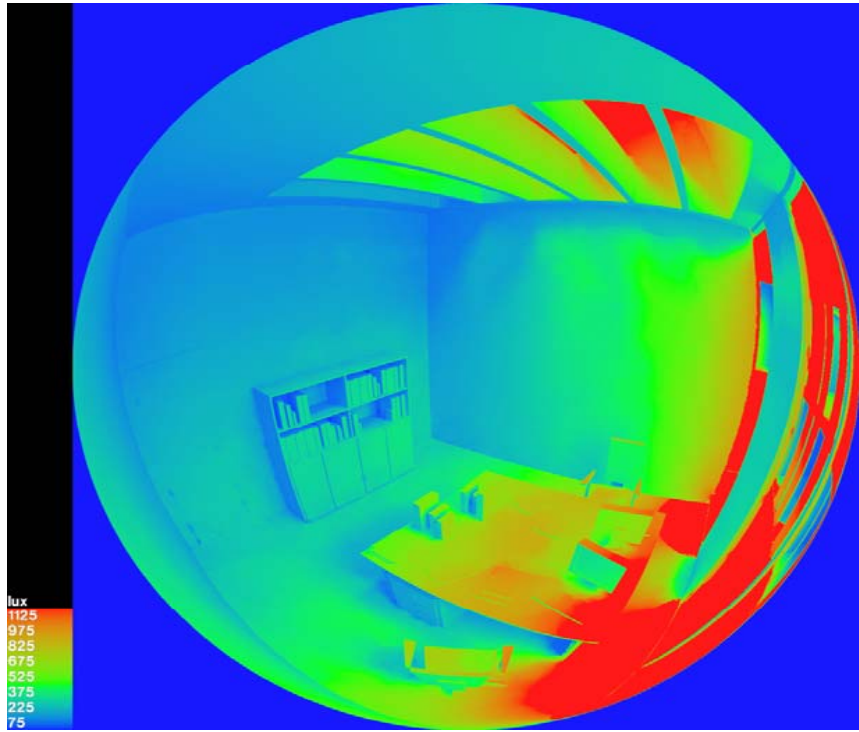
Artificial sun
and sky lab







Window as white surface (diffuse light)





WINDCATCHER

natural ventilation

Hyderabad, Sindh, Pakistan, the windcatchers city

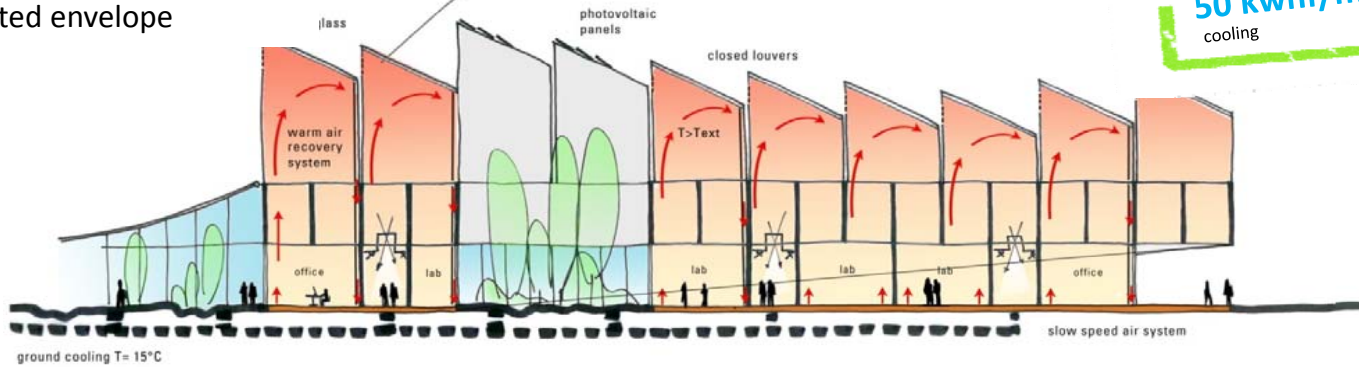
solar chimney
greenhouse effect
daylight
wood structure
water source heat pump
well insulated envelope

winter



21 december

ARPA. FERRARA, ITALY
36 kWh/m² year heating
50 kWh/m² year cooling

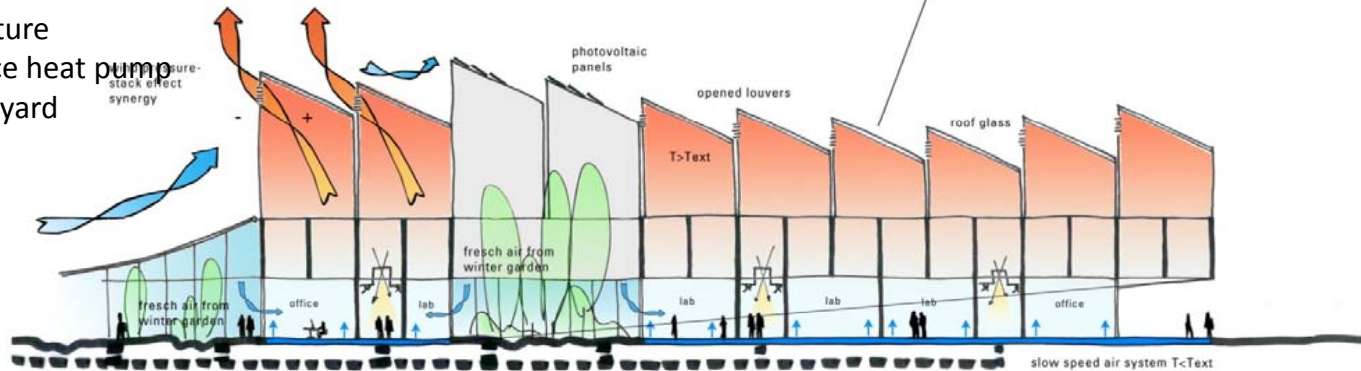


solar chimney shading
natural ventilation
daylight
wood structure
water source heat pump
green courtyard

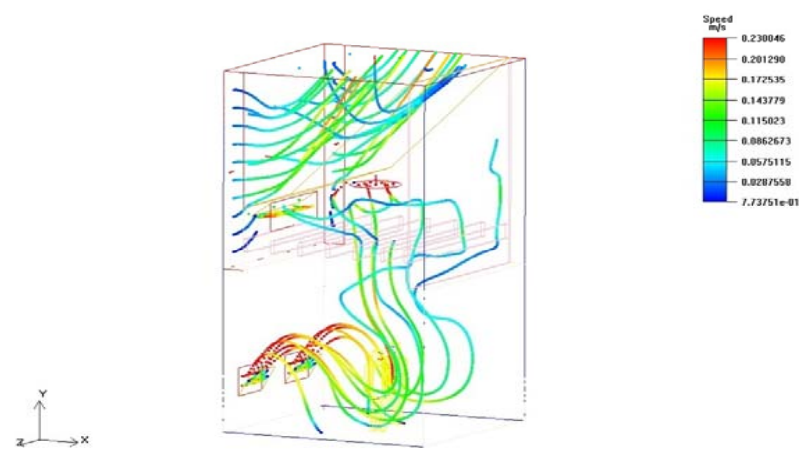
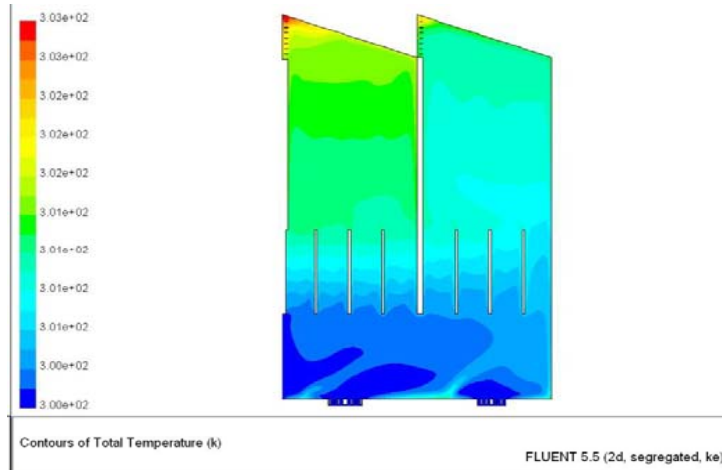
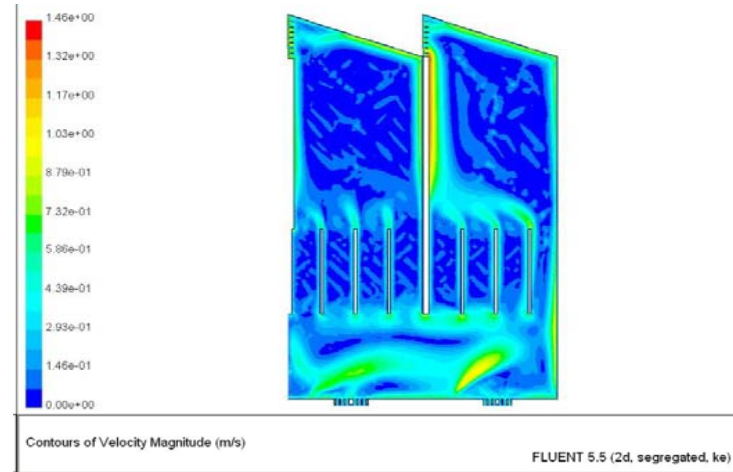
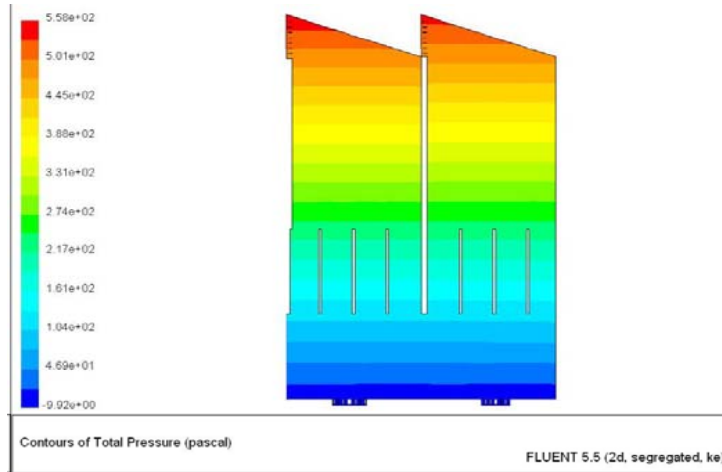
summer

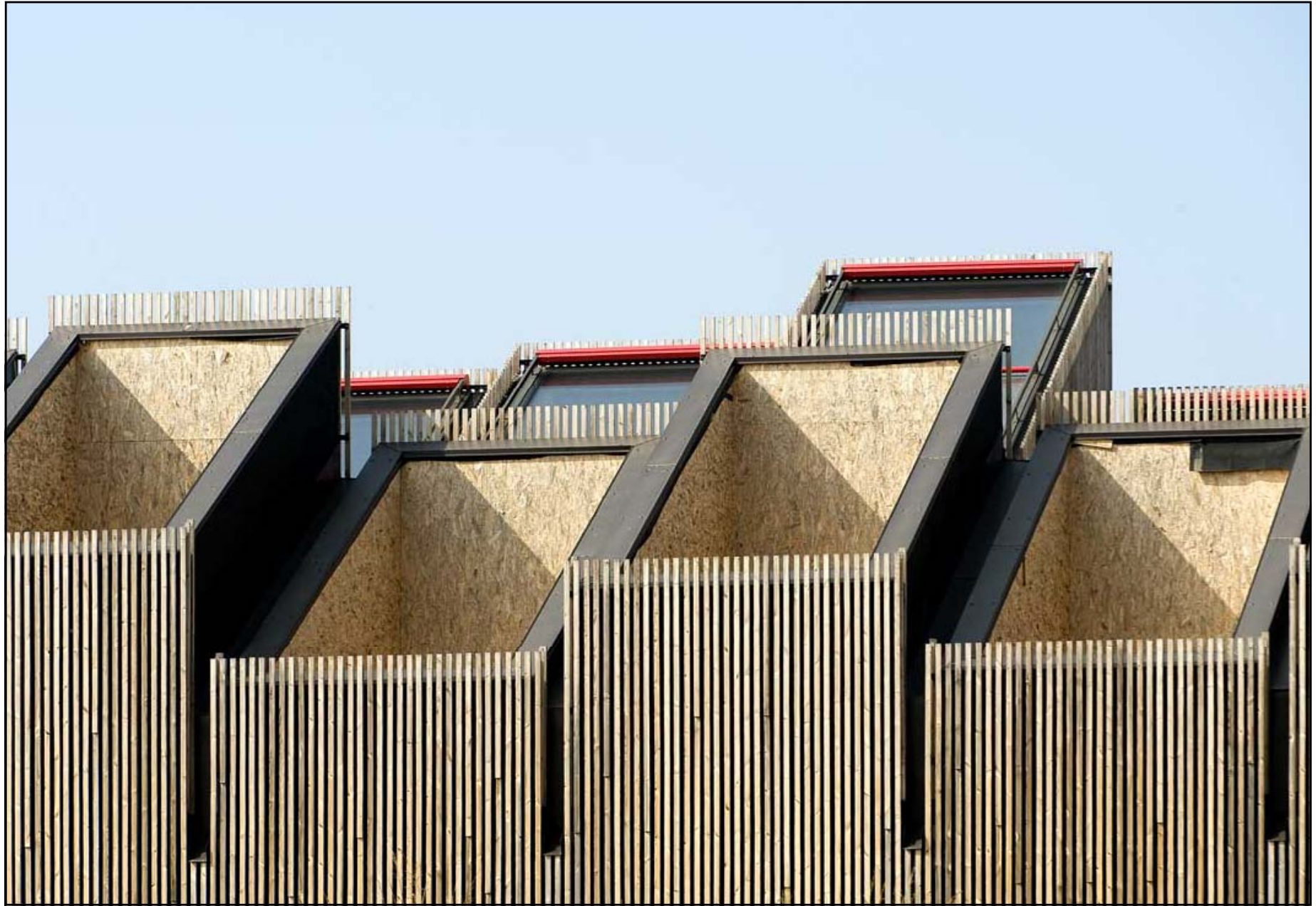


21 june



CFD analysis



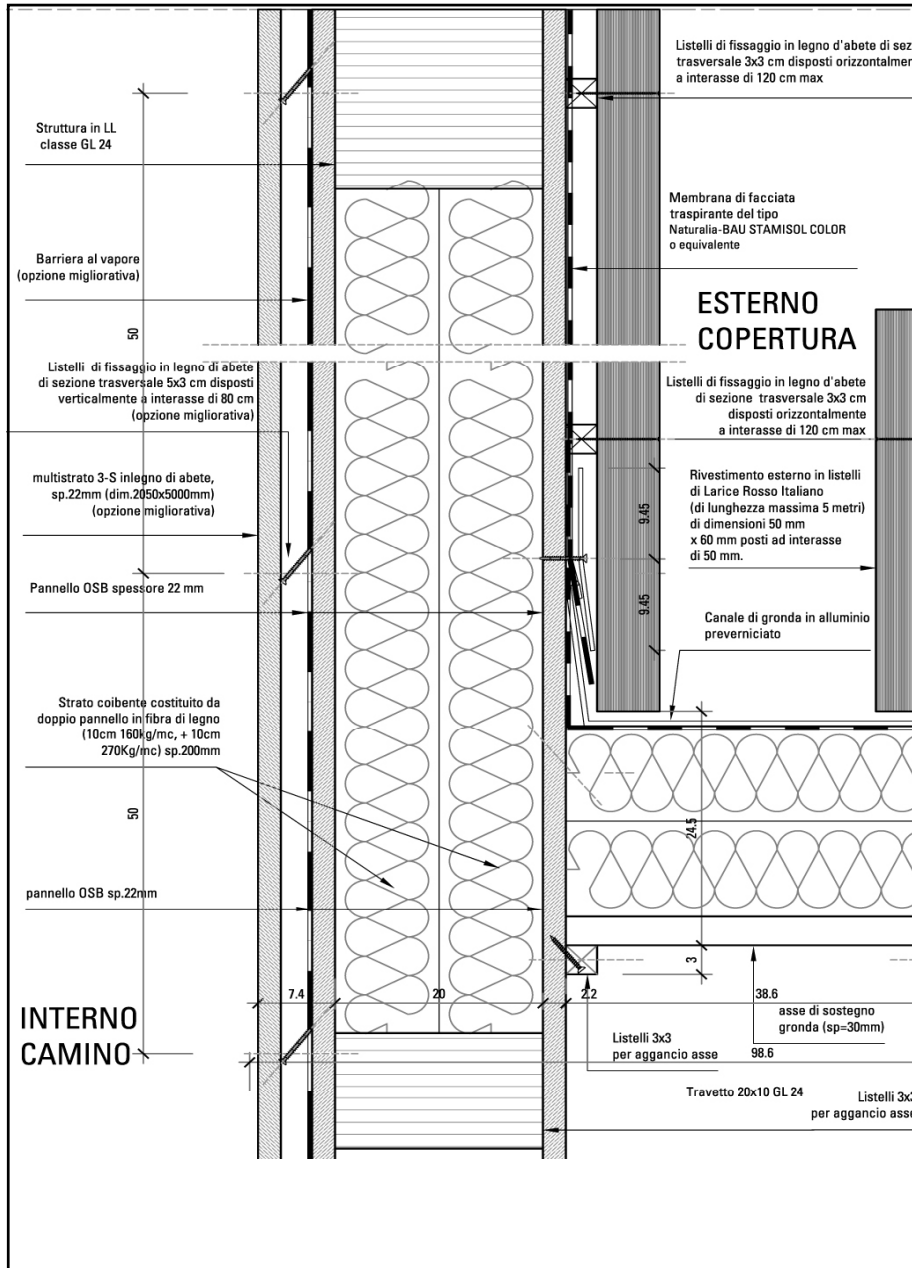








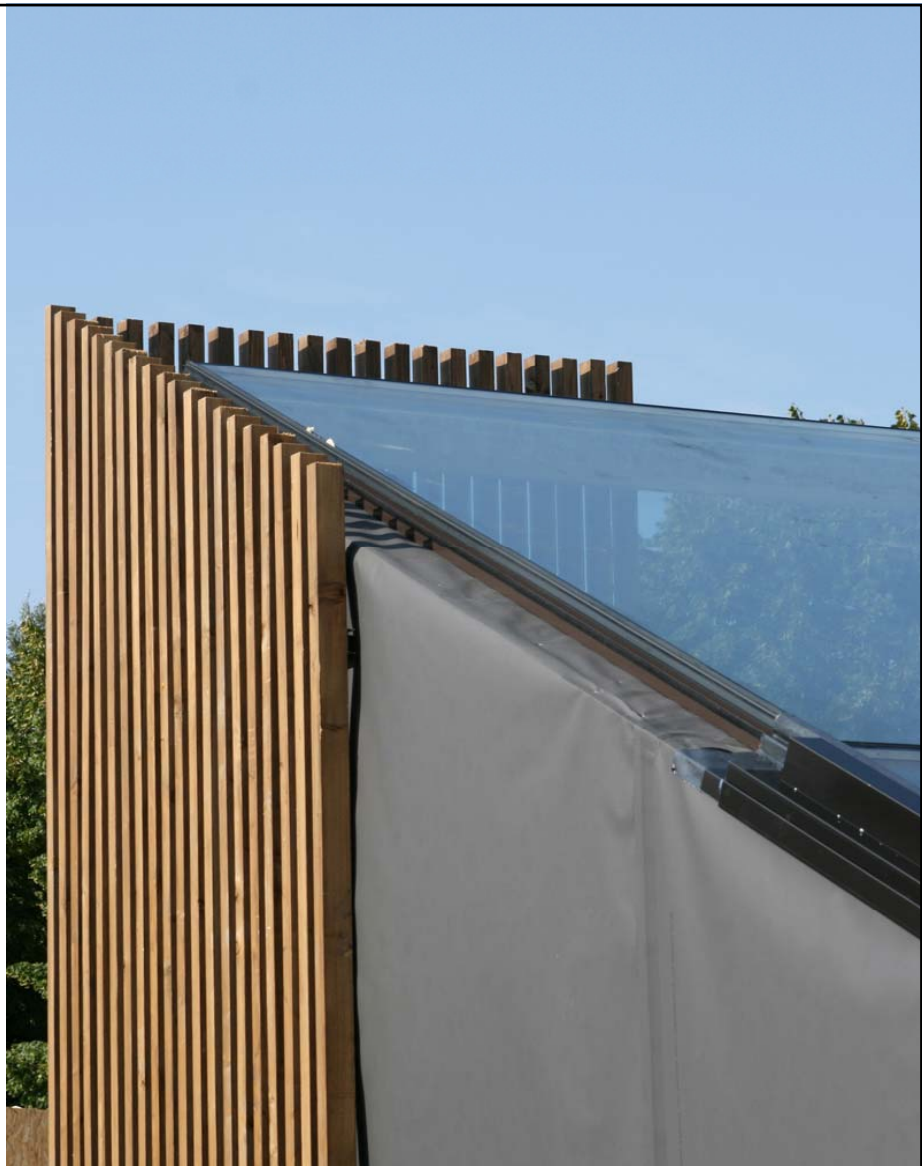
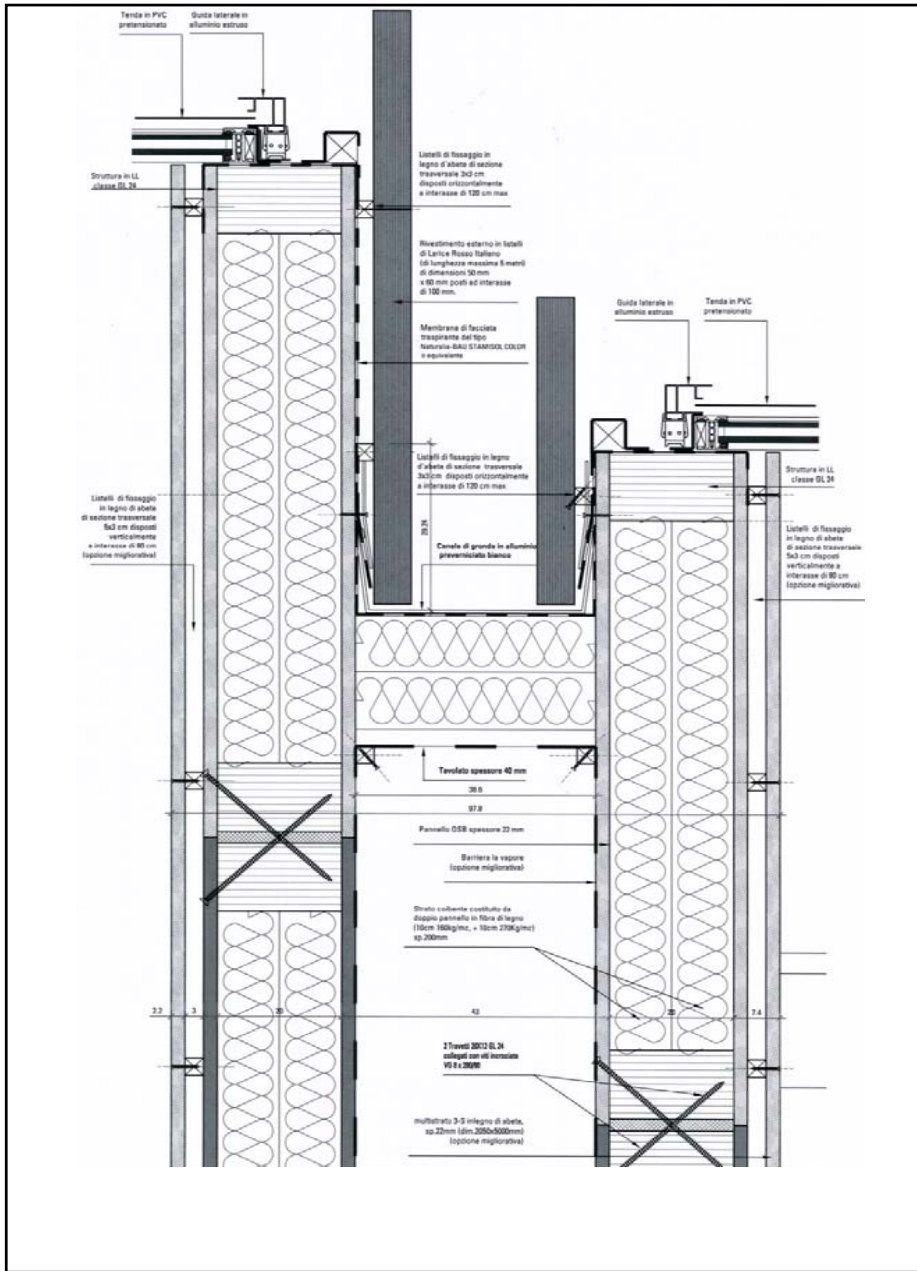






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3 kgCO₂/m² year

instead of

-85%

~~23 kgCO₂/m² year~~



Nuovo asilo nido

Guastalla (RE)

(in cantiere)

**Secondo uno studio dell'università di Salford
gli studenti imparano di più
se lo fanno in aule ben **progettate**.**

http://www.casaclima.com/ar_12534_ESTERO-Europa--Quanto-conta-la-struttura-dellaula-sullapprendimento-scolastico.html

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**Luce e aria, forma e colore sono i temi principali
nelle scuole primarie e per l'infanzia.
Il **design** influenza **positivamente** l'apprendimento e
l'educazione**

http://www.casaclima.com/ar_12534_ESTERO-Europa--Quanto-conta-la-struttura-dellaula-sullapprendimento-scolastico.html

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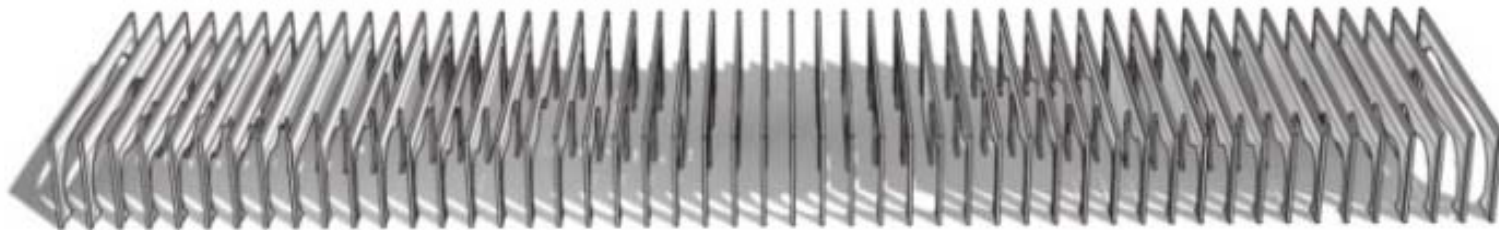
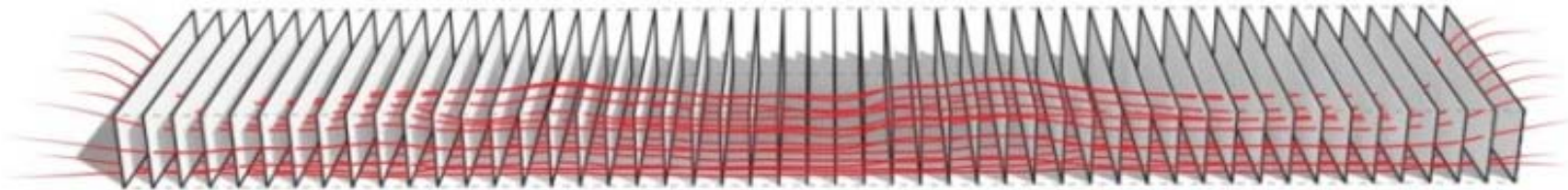


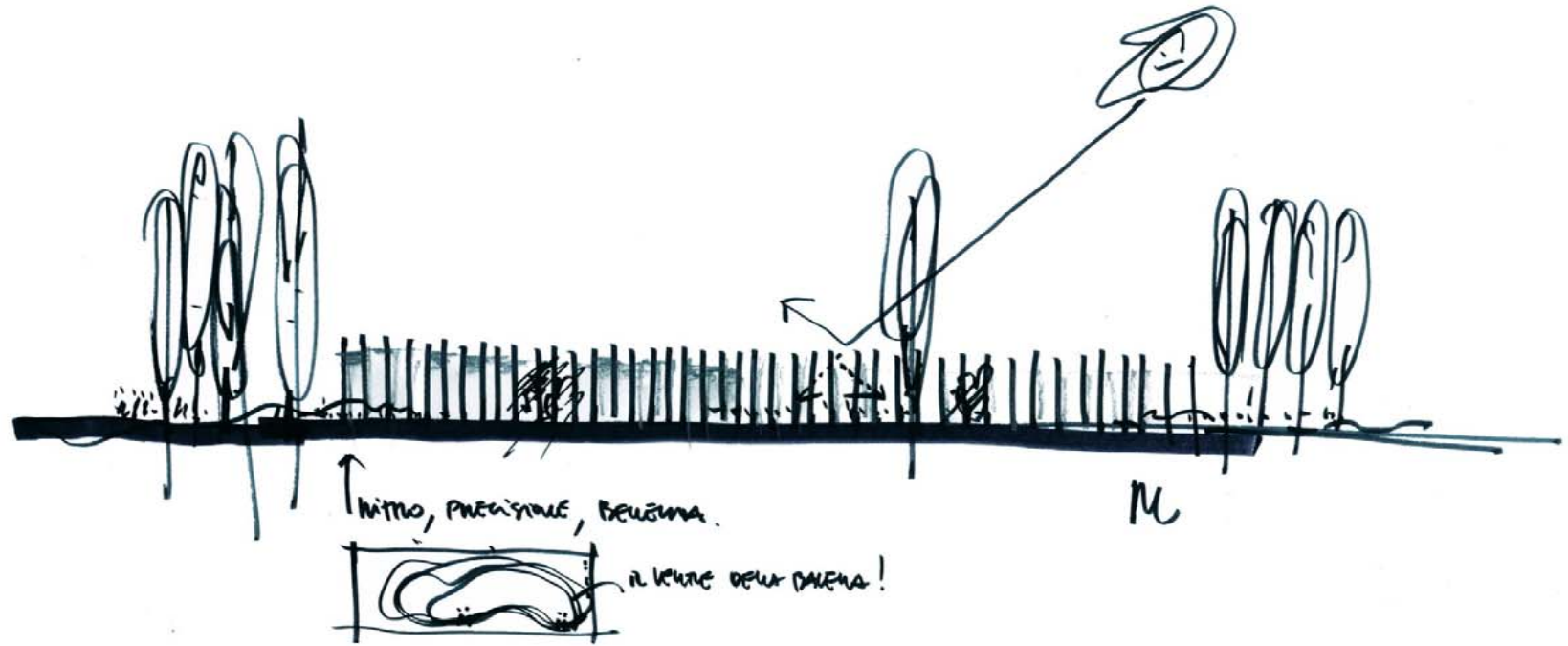


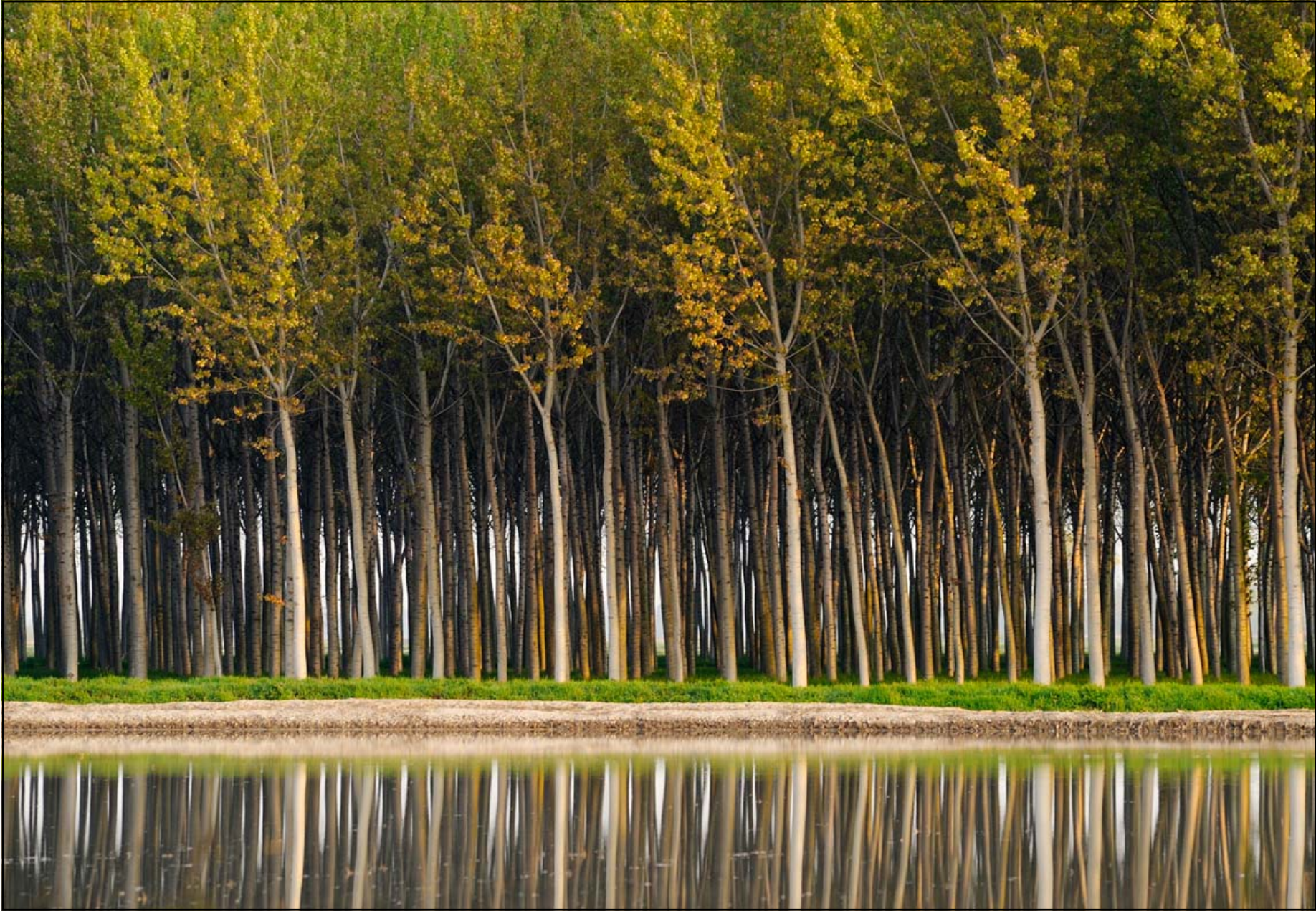


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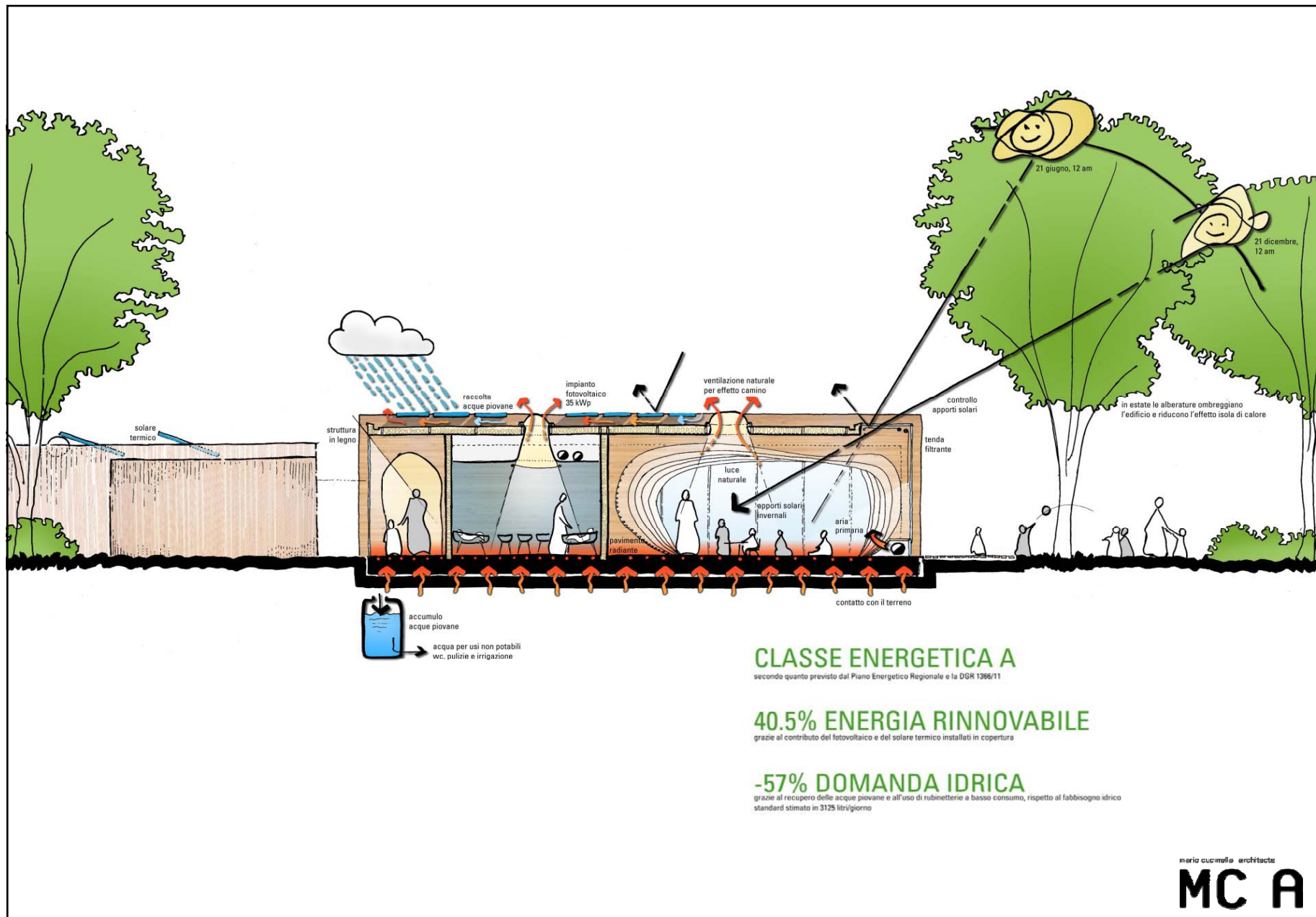


Ingresso vigili del fuoco

VIA ROSARIO

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CLASSE ENERGETICA A

secondo quanto previsto dal Piano Energetico Regionale e la DGR 1386/11

40.5% ENERGIA RINNOVABILE

grazie al contributo del fotovoltaico e del solare termico installati in copertura

-57% DOMANDA IDRICA

grazie al recupero delle acque piovane e all'uso di rubinetterie a basso consumo, rispetto al fabbisogno idrico standard stimato in 3125 litri/giorno

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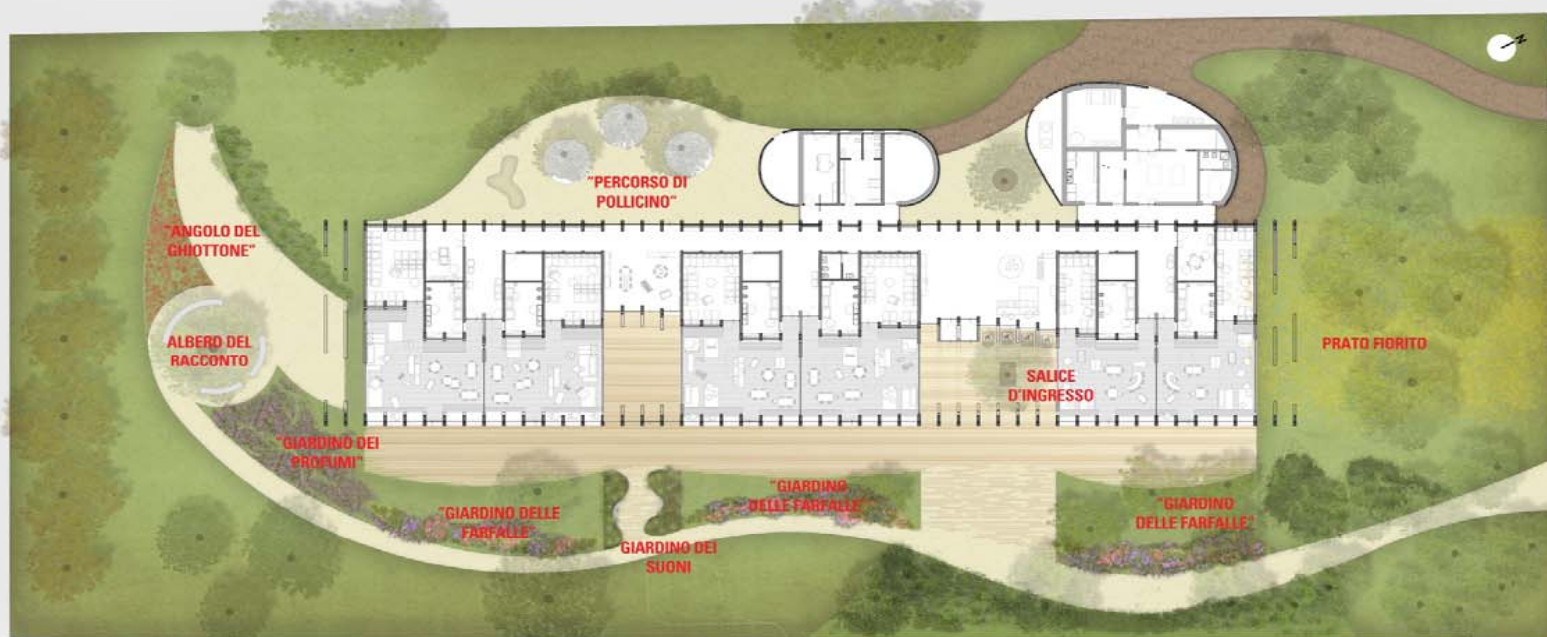


Figura 10 - Pianta del giardino
VIA ROSARIO

"GIARDINO DELLE FARFALLE"
LA VISTA



I COLORI DELLE PIANTE



"GIARDINO DEI SUONI"
L'UDITO



IL SUONO DEL VENTO



"GIARDINO DEL PROFUMI"
L'OLFATTO



LE SPECIE PROFUMATE



"PERCORSO DI POLLICINO"
IL TATTO



LE SENSAZIONI TATTILI



"L'ANGOLO DEL GHIOTTONE"
IL GUSTO



LE SPECIE COMMESTIBILI





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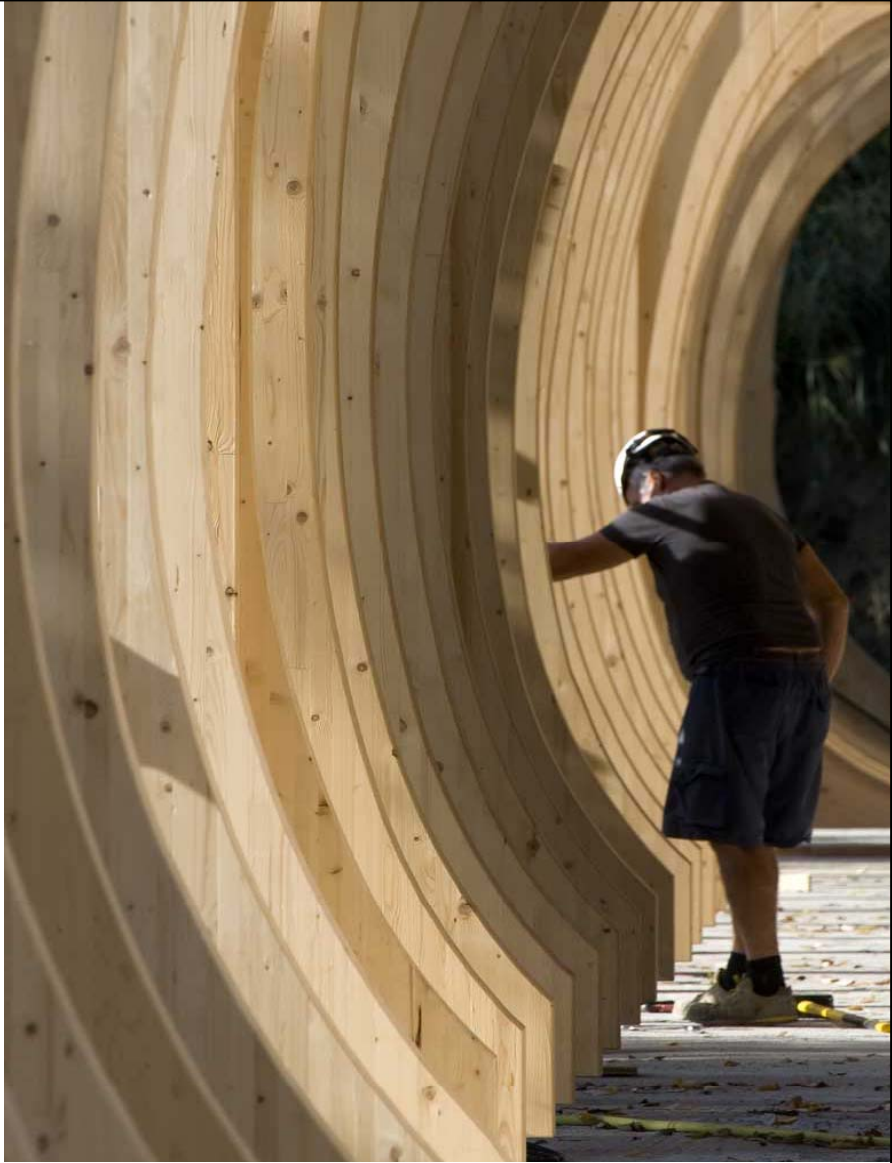
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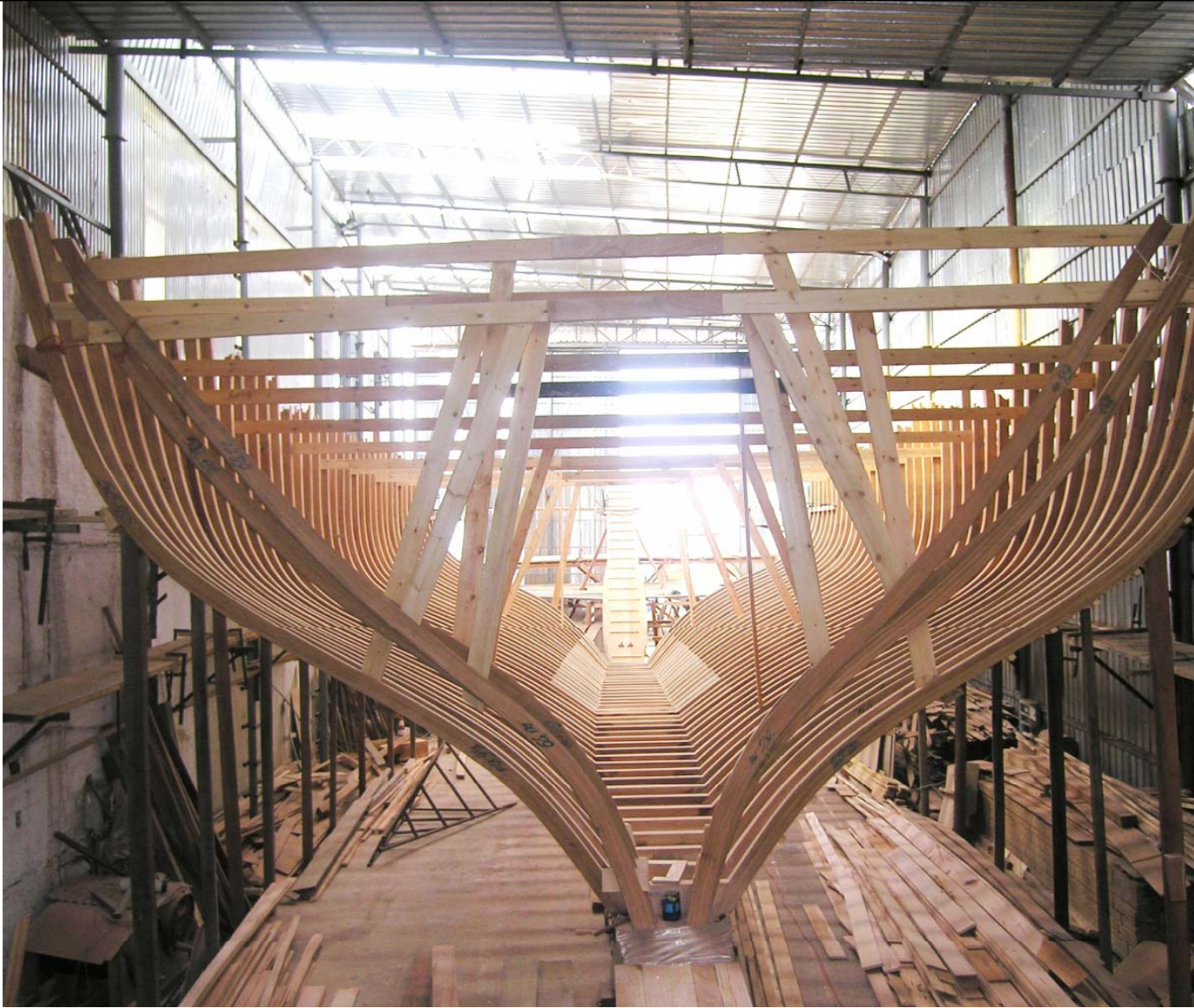
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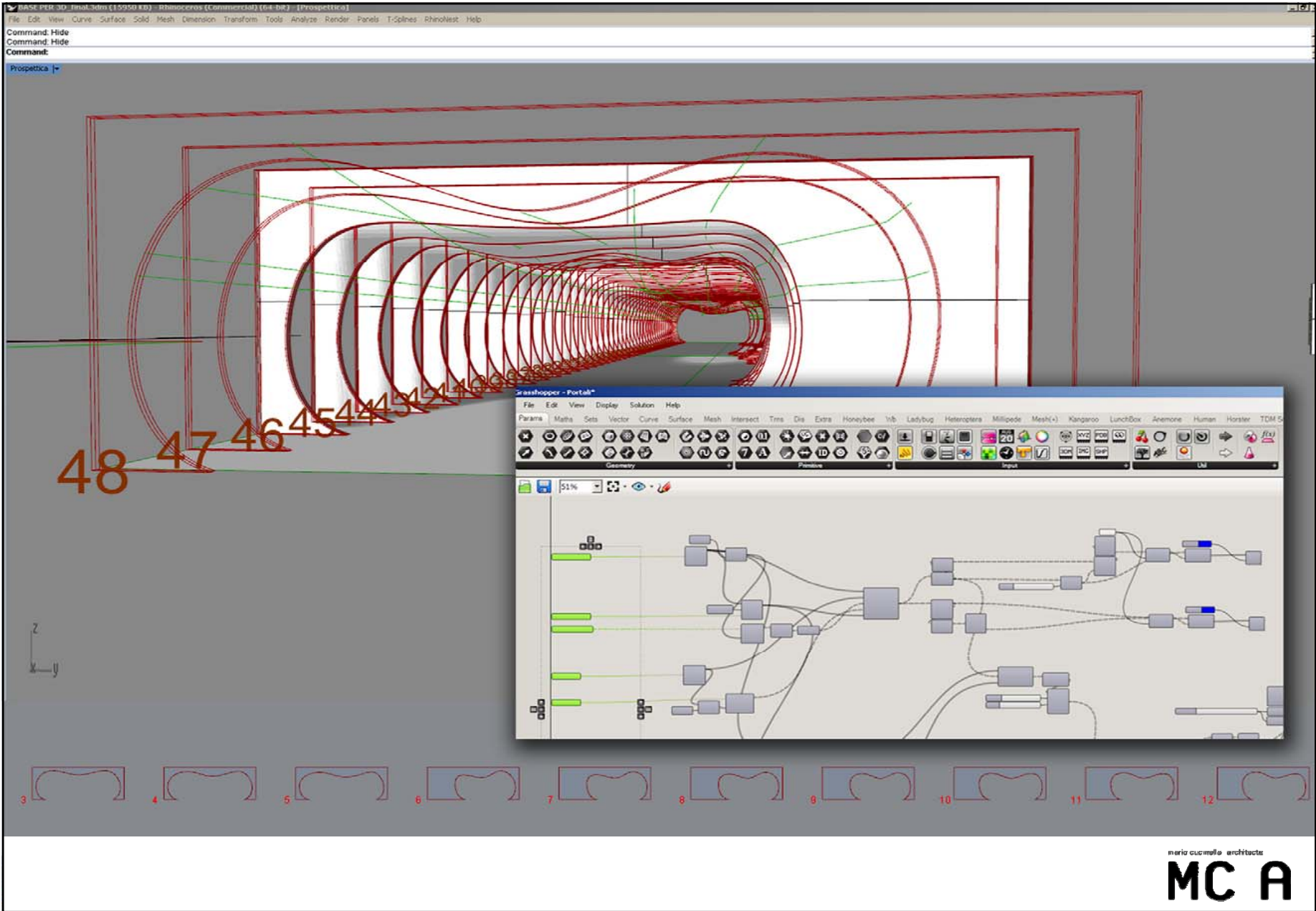
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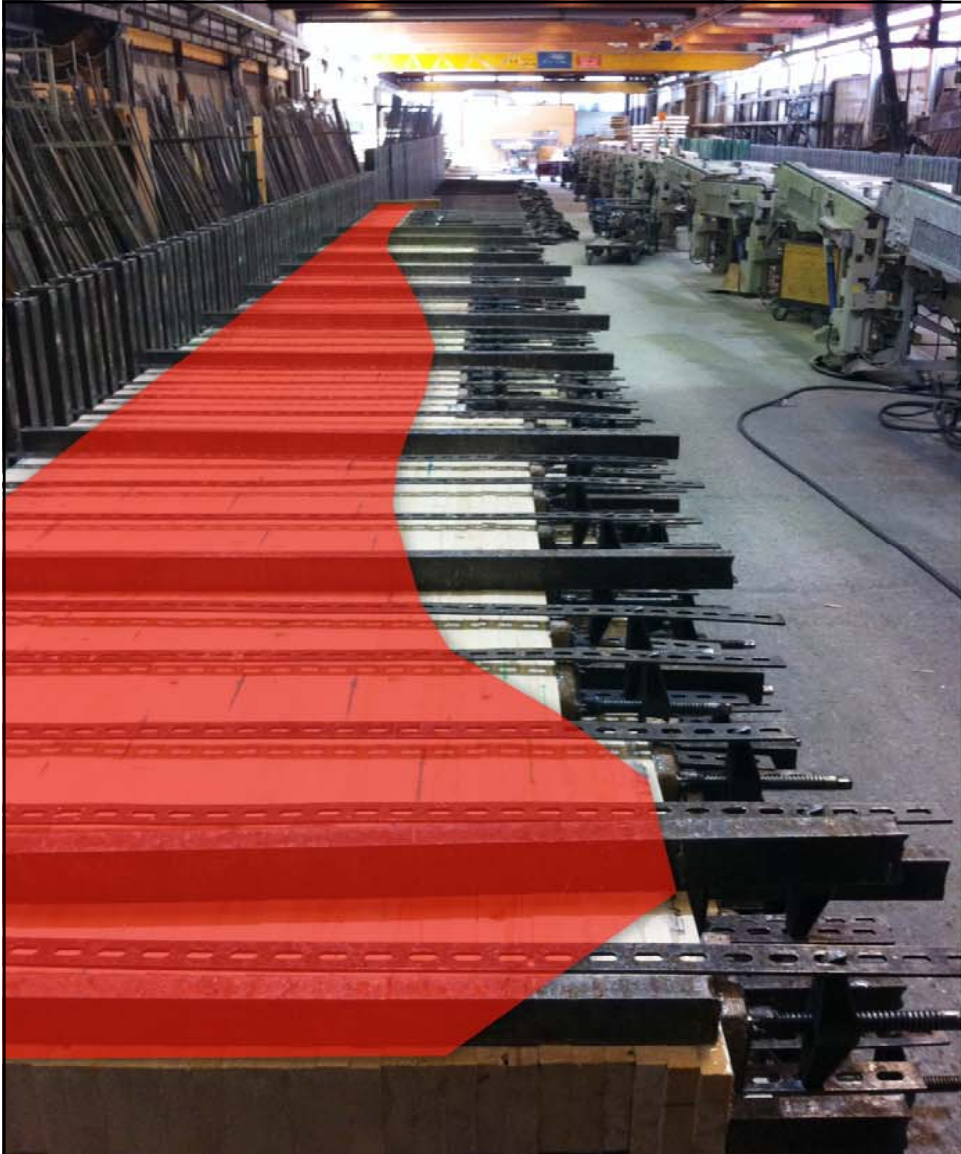




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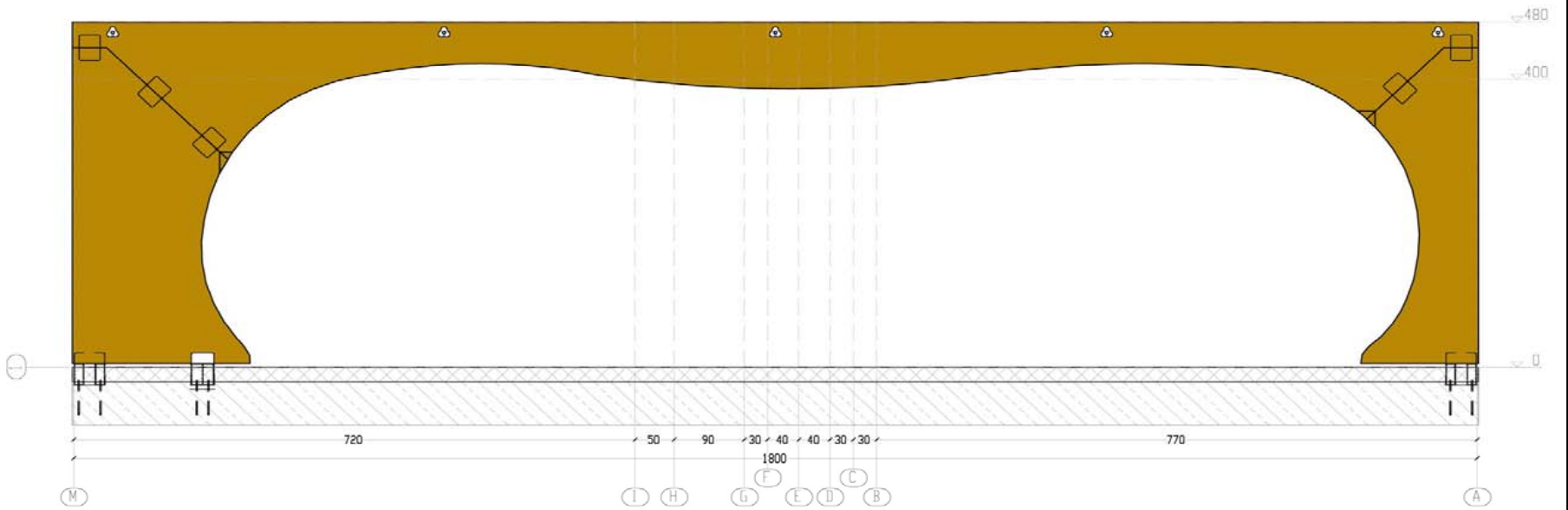
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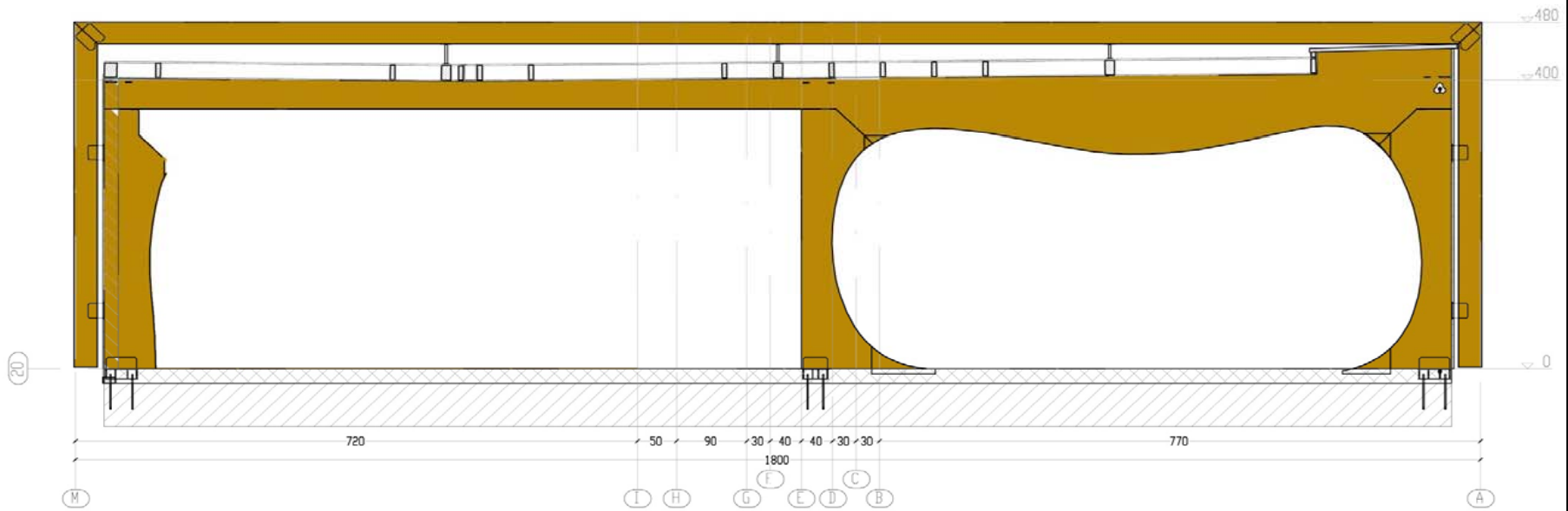
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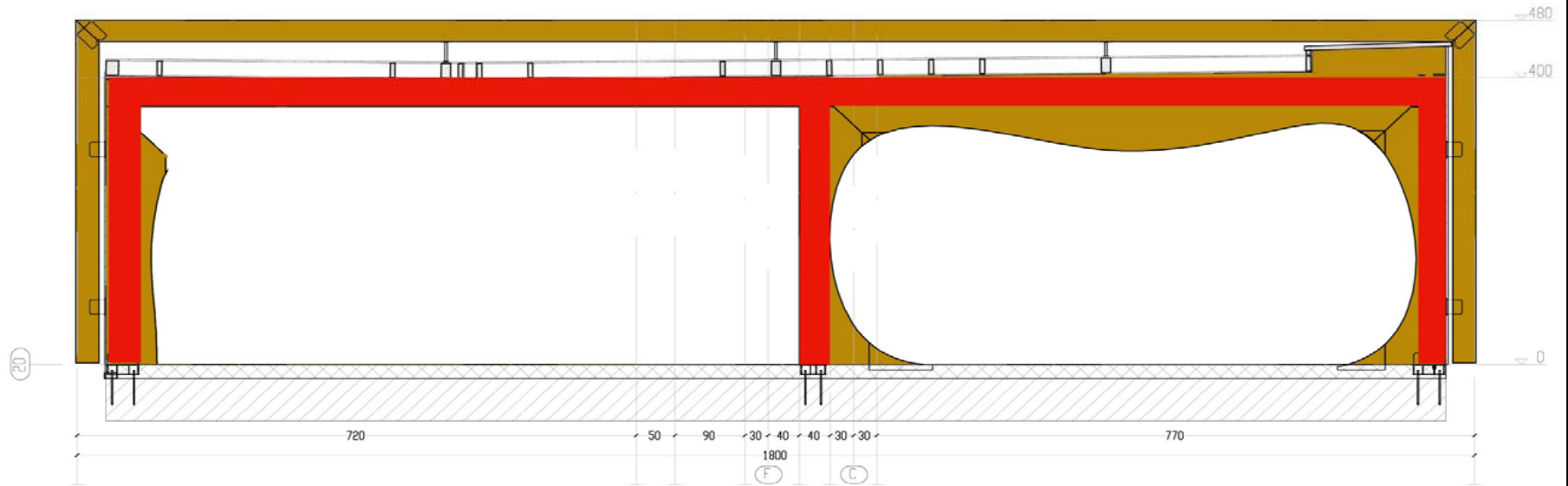


FIGURE 02 SECTION





Asse 20 S=1: 50





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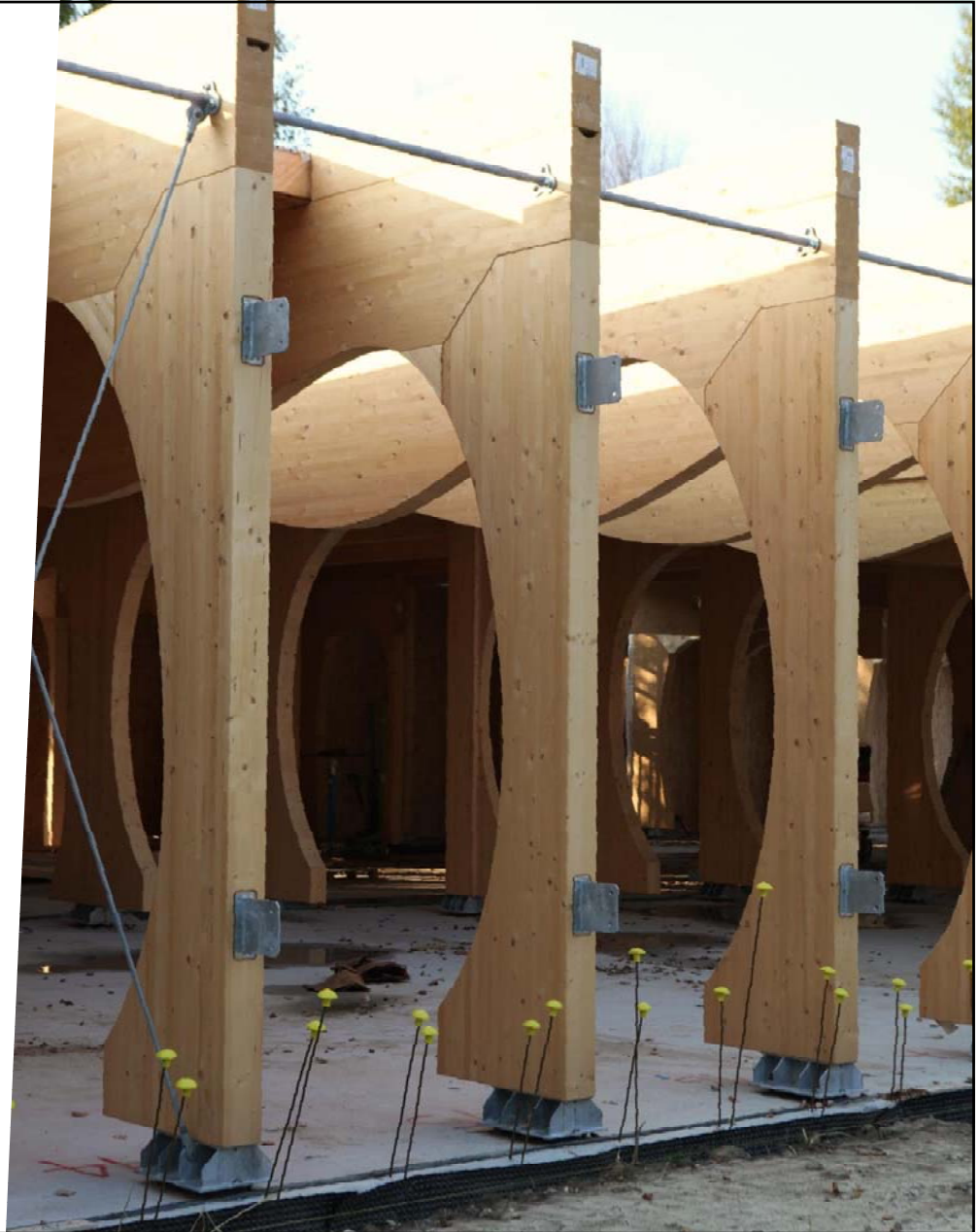
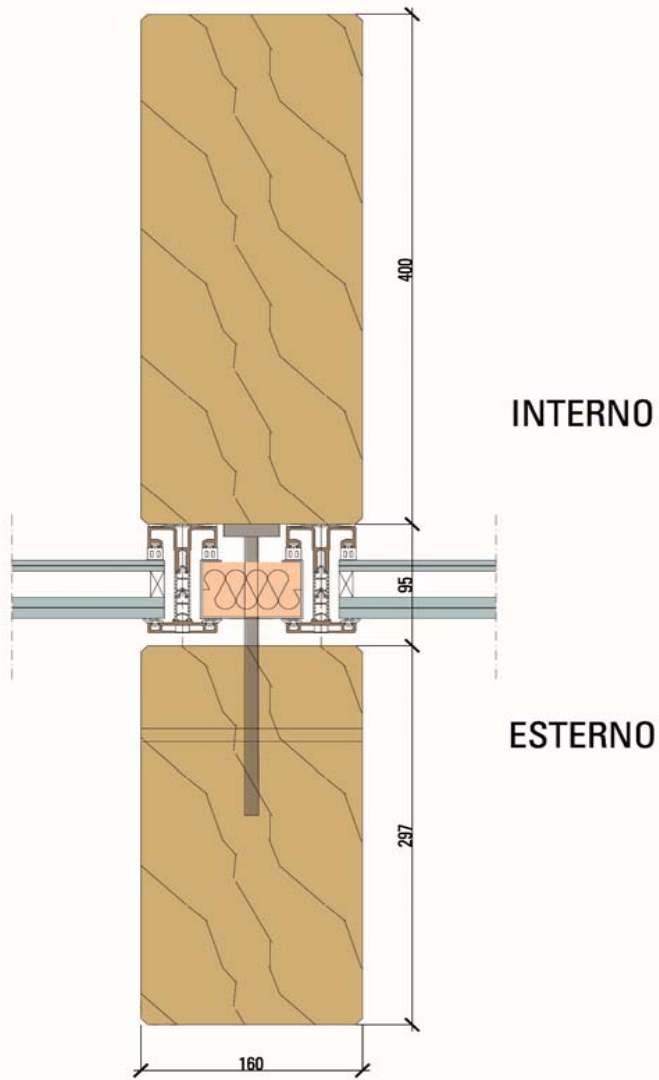
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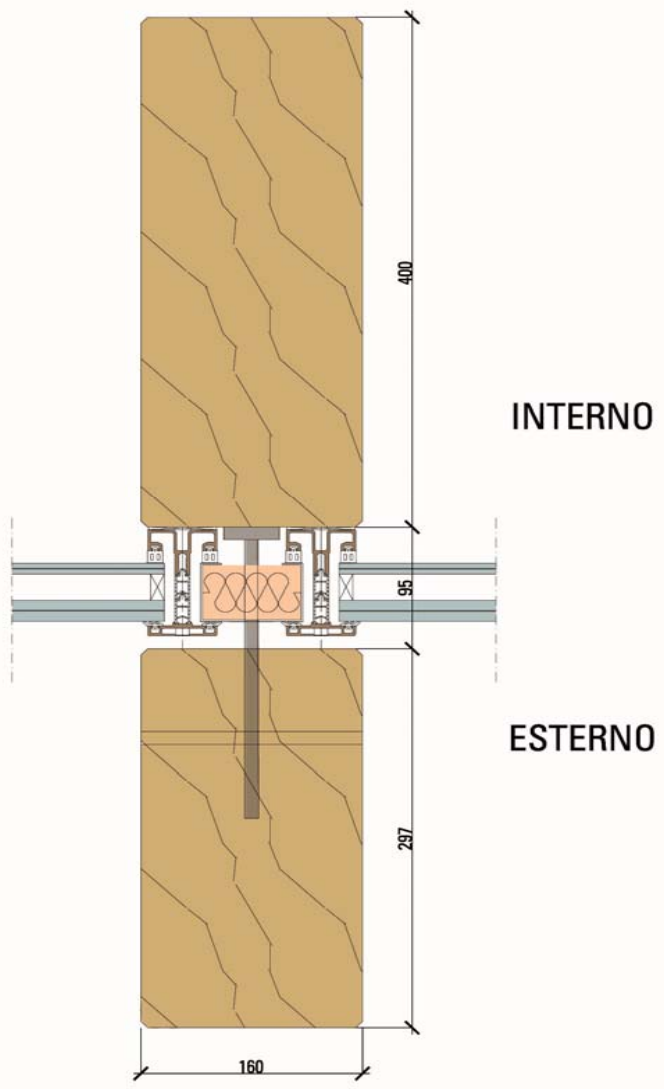


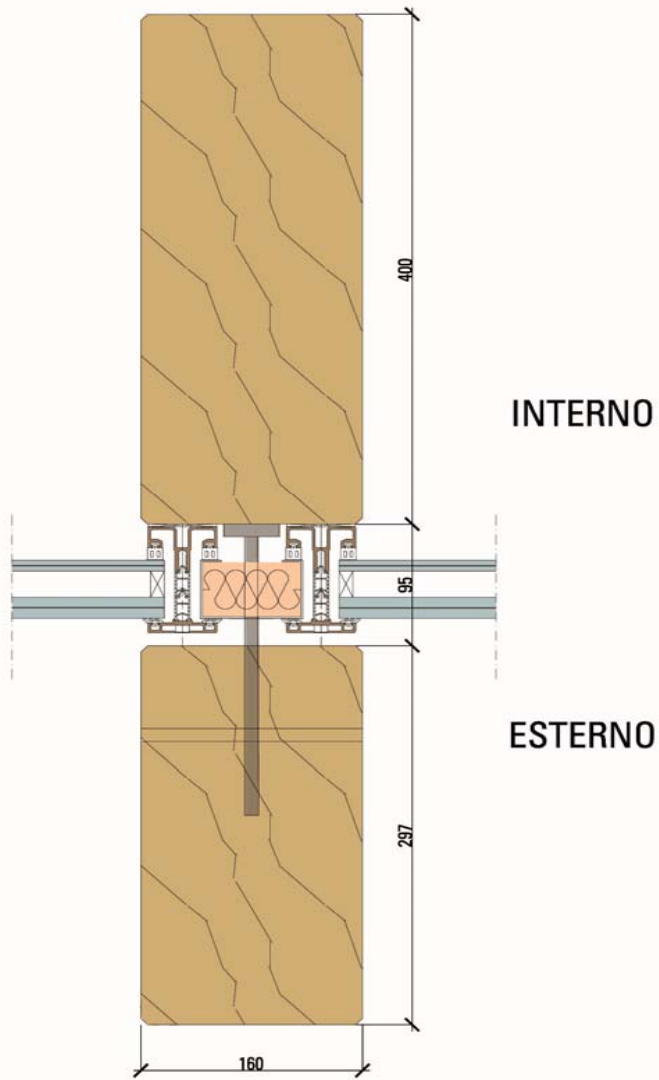


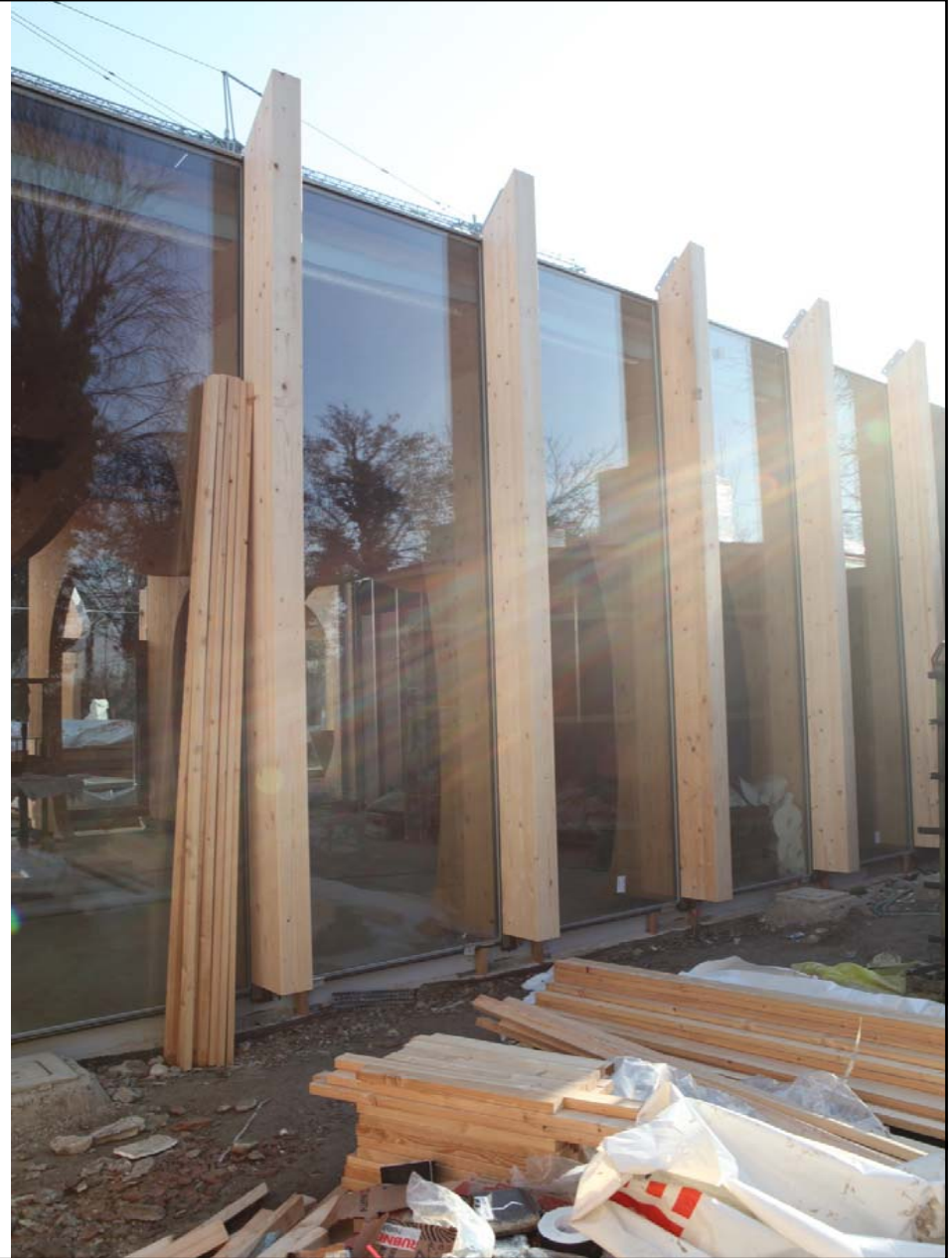
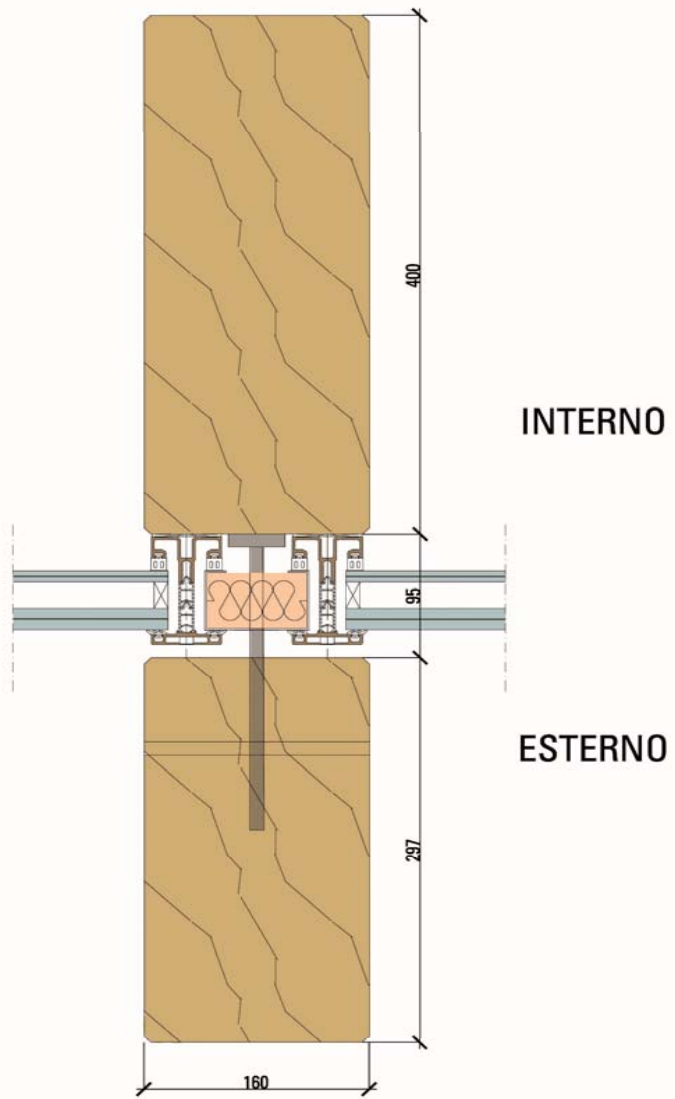














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SCUOLA
GUASTALLA

120 BAMBINI
2.300.000 EURO
1500 MQ



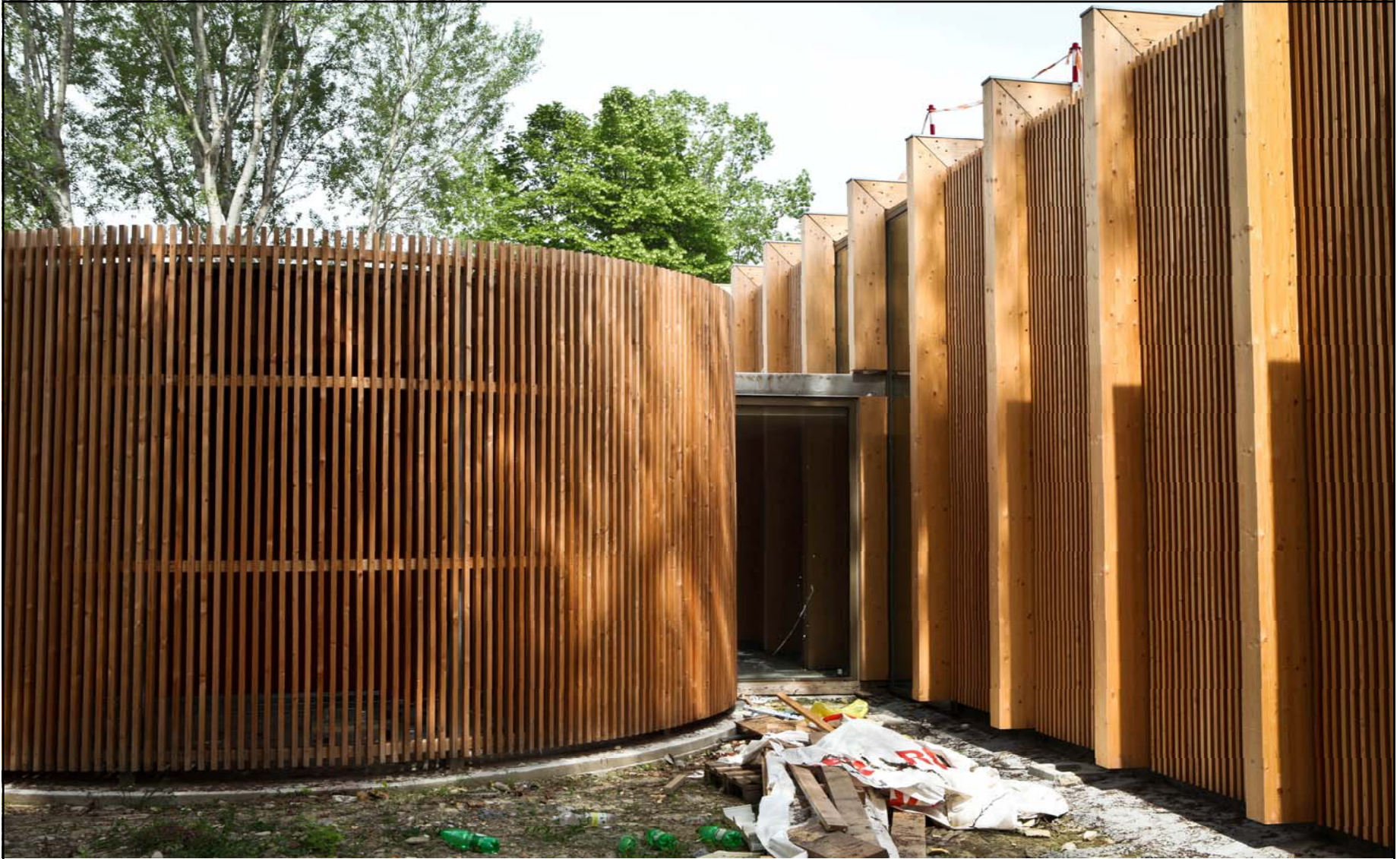
1.530,00
EURO/MQ



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MC A





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