



UNIVERSITÀ DEGLI STUDI DI CAMERINO

SCUOLA DI ARCHITETTURA E DESIGN "E. VITTORIA"

CORSO DI LAUREA IN

..... SCIENZE DELL'ARCHITETTURA

TITOLO DELLA TESI

..... SMALL SCALE BIG CHALLENGE

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Laureando/a

Nome..... BELL JONATHAN

Firma..... Bell Jonathan

Relatore

Nome..... ROBERTO RUGGIERO

Firma..... [Signature]

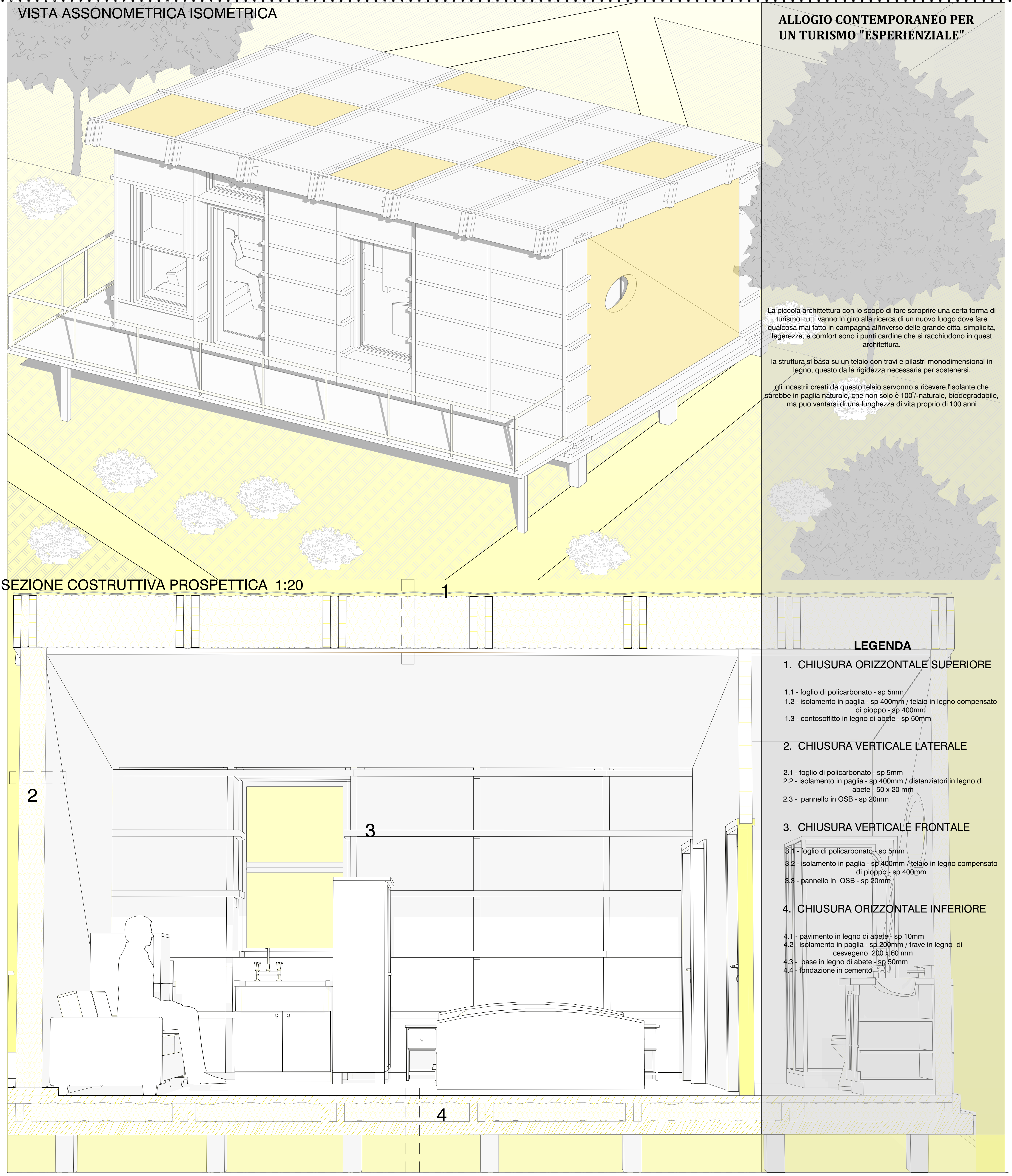
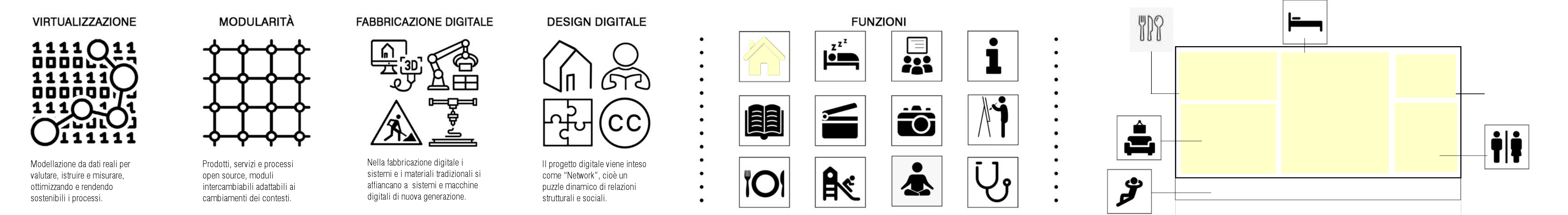
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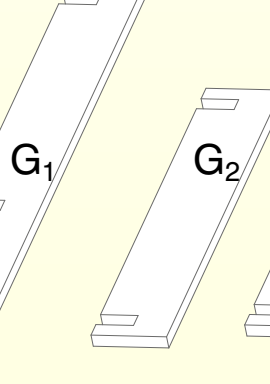
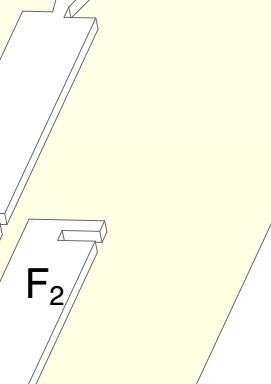
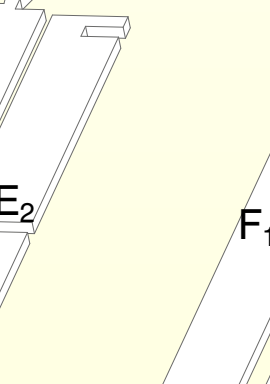
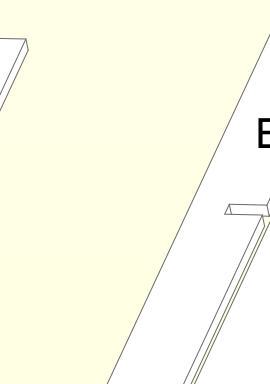
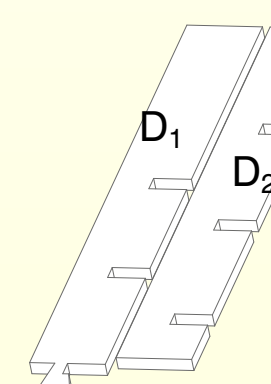
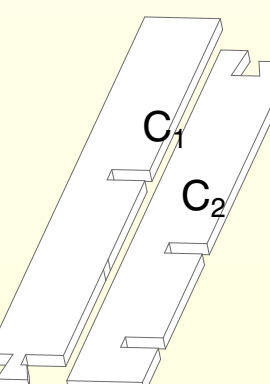
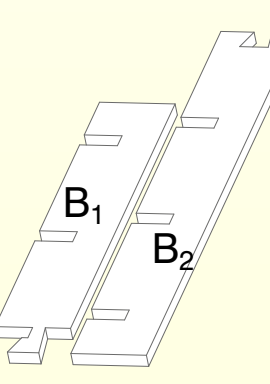
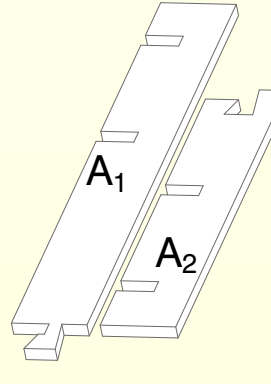
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ANNO ACCADEMICO

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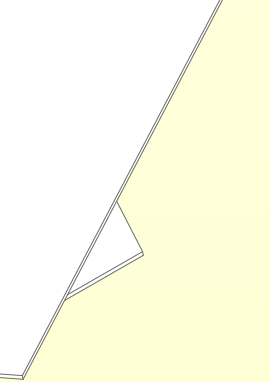
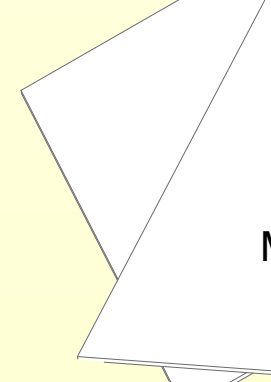
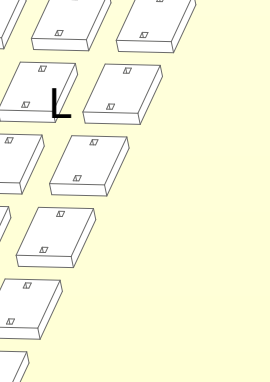
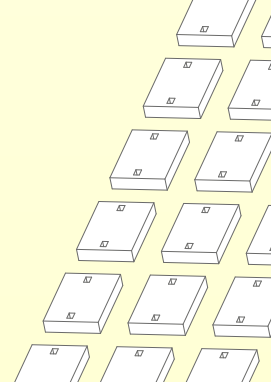
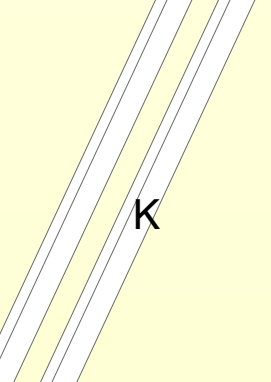
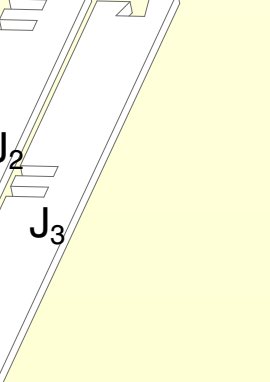
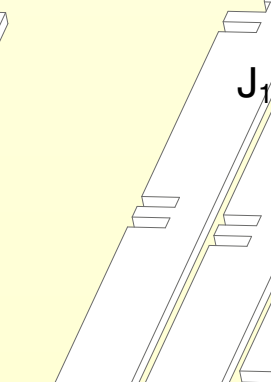
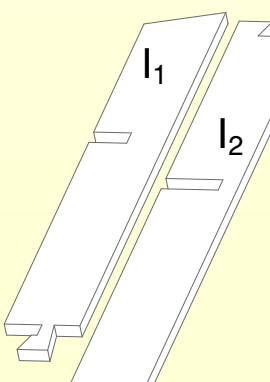
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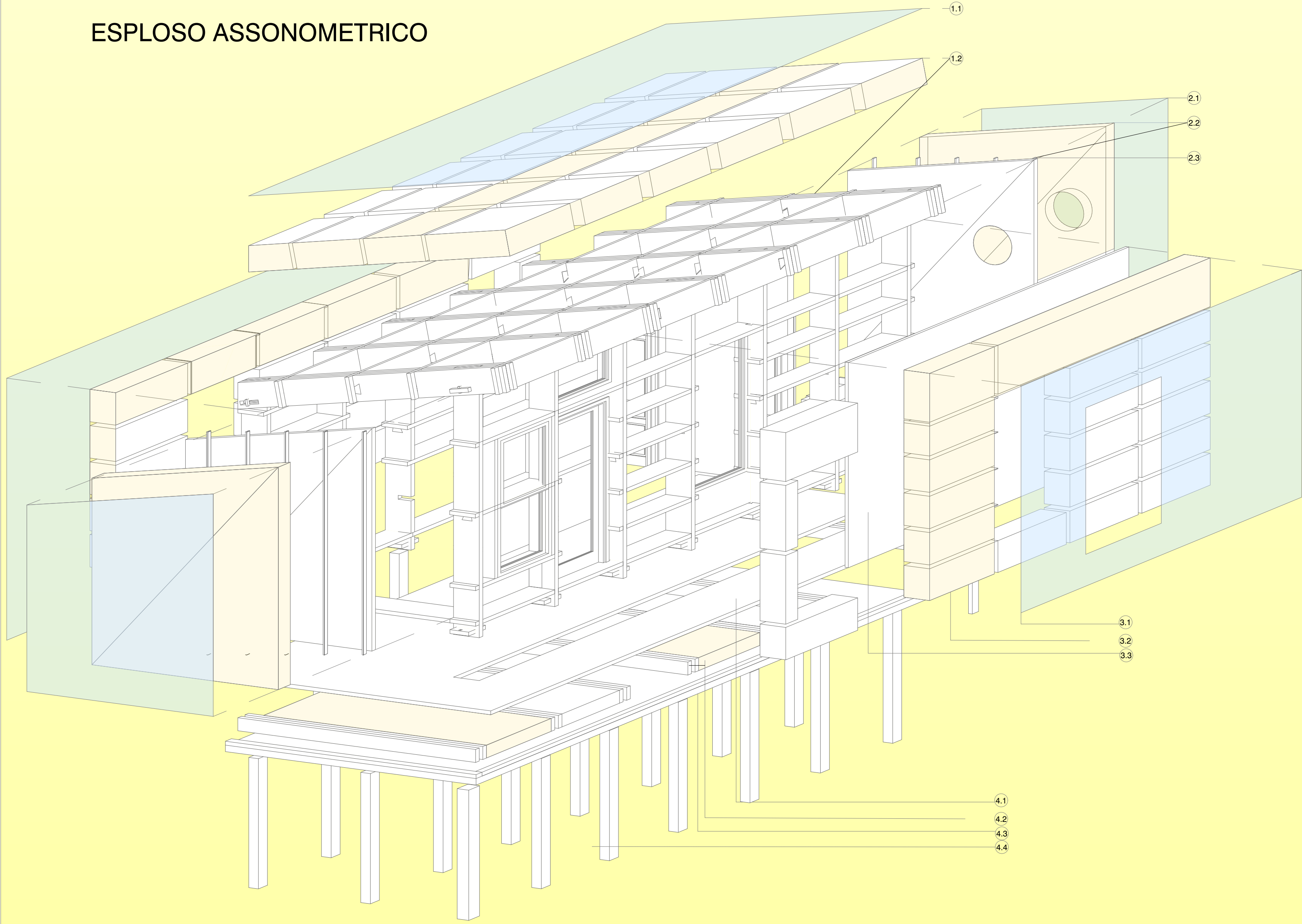
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ESPLOSO ASSONOMETRICO



LEGENDA

1. CHIUSURA ORIZZONTALE SUPERIORE

1.1 - foglio di polycarbonato - sp 5mm
1.2 - isolamento in paglia - sp 400mm / telaio in legno compensato di pioppo - sp 400mm
1.3 - contosoffitto in legno di abete - sp 50mm

2. CHIUSURA VERTICALE LATERALE

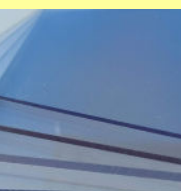
2.1 - foglio di polycarbonato - sp 5mm
2.2 - isolamento in paglia - sp 400mm / distanziatori in legno di abete - 50 x 20 mm
2.3 - pannello in OSB - sp 20mm

3. CHIUSURA VERTICALE FRONTALE

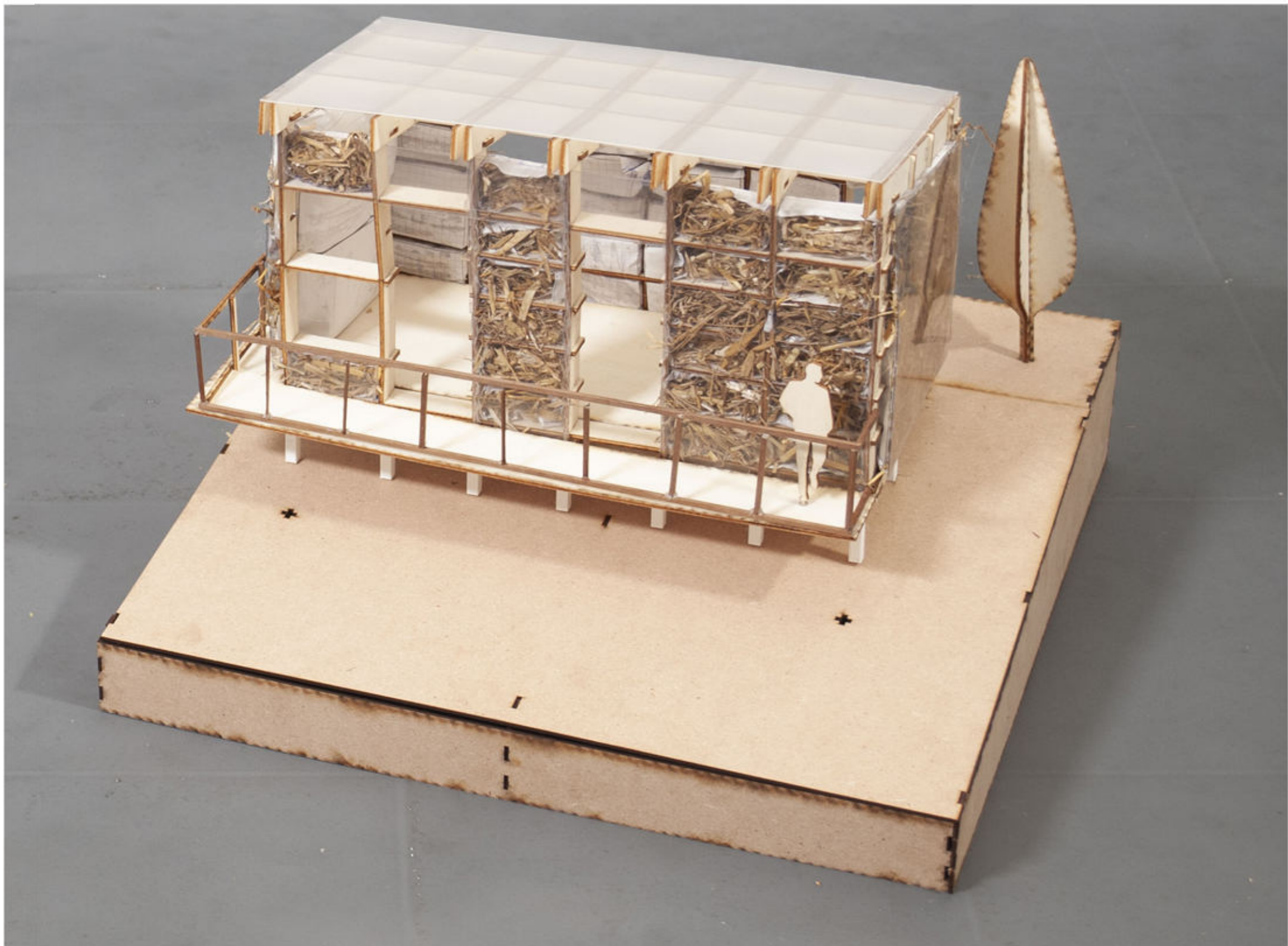
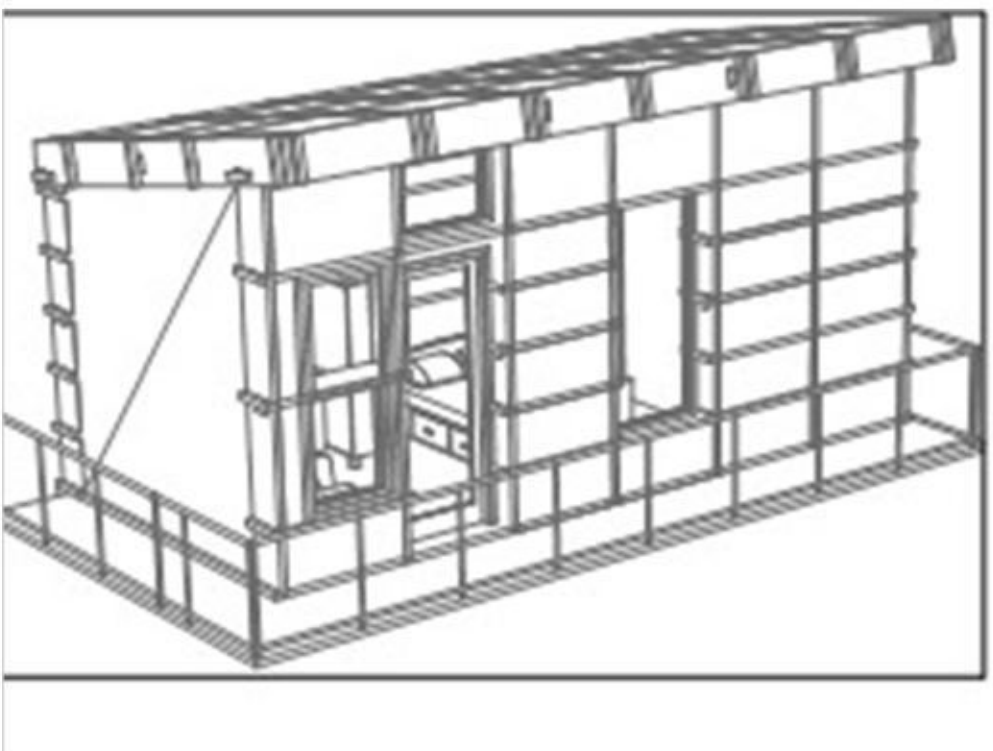
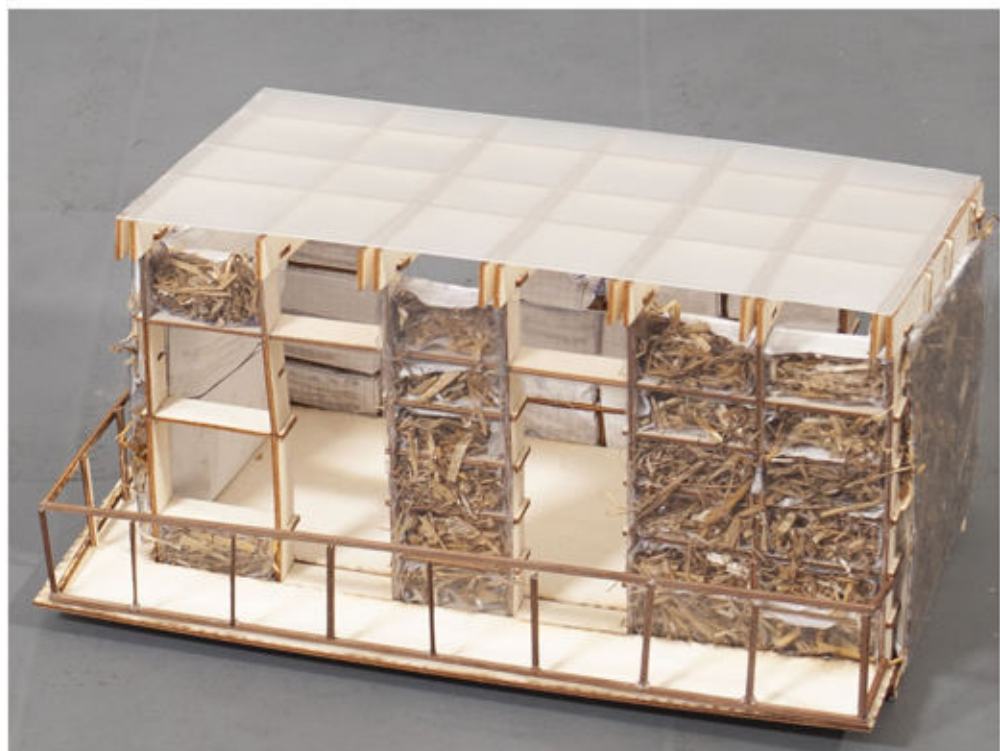
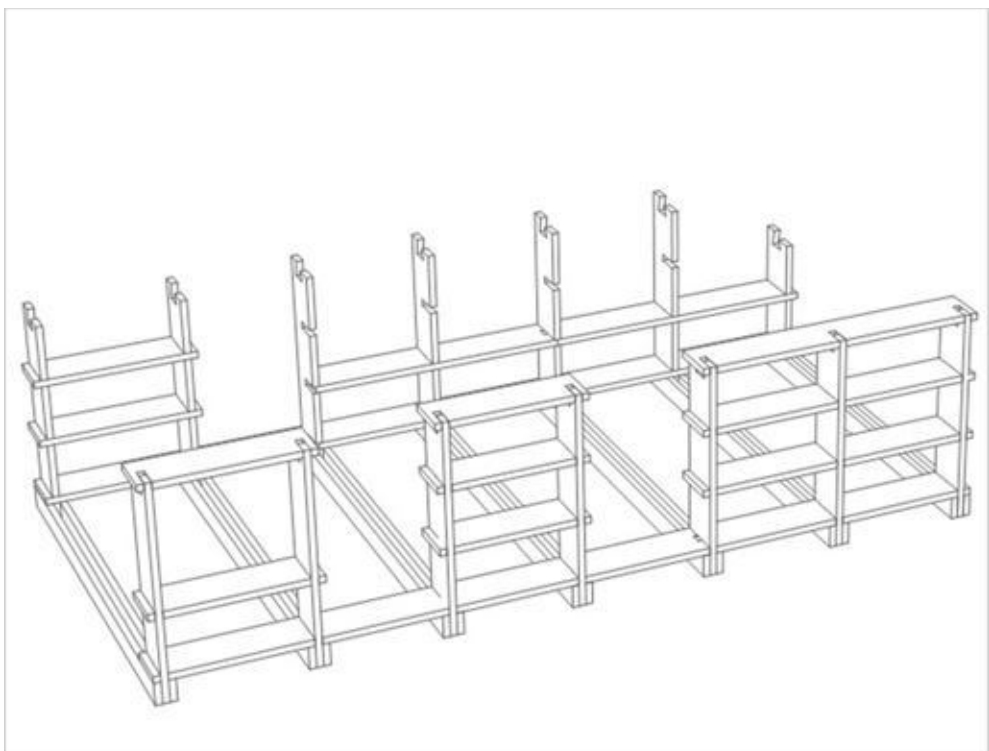
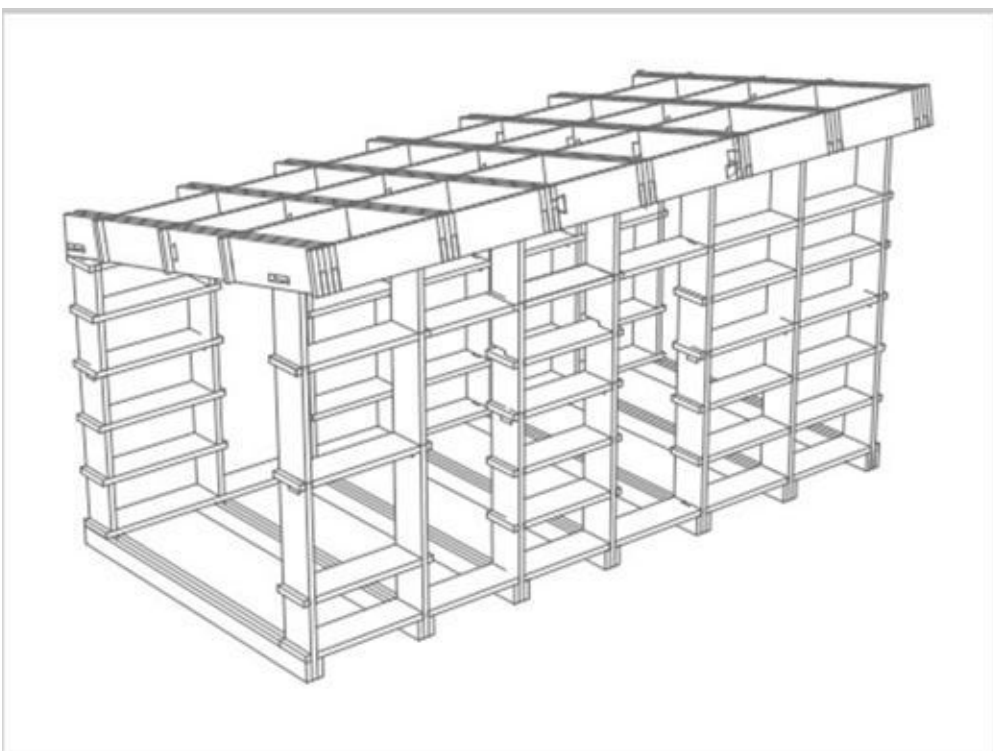
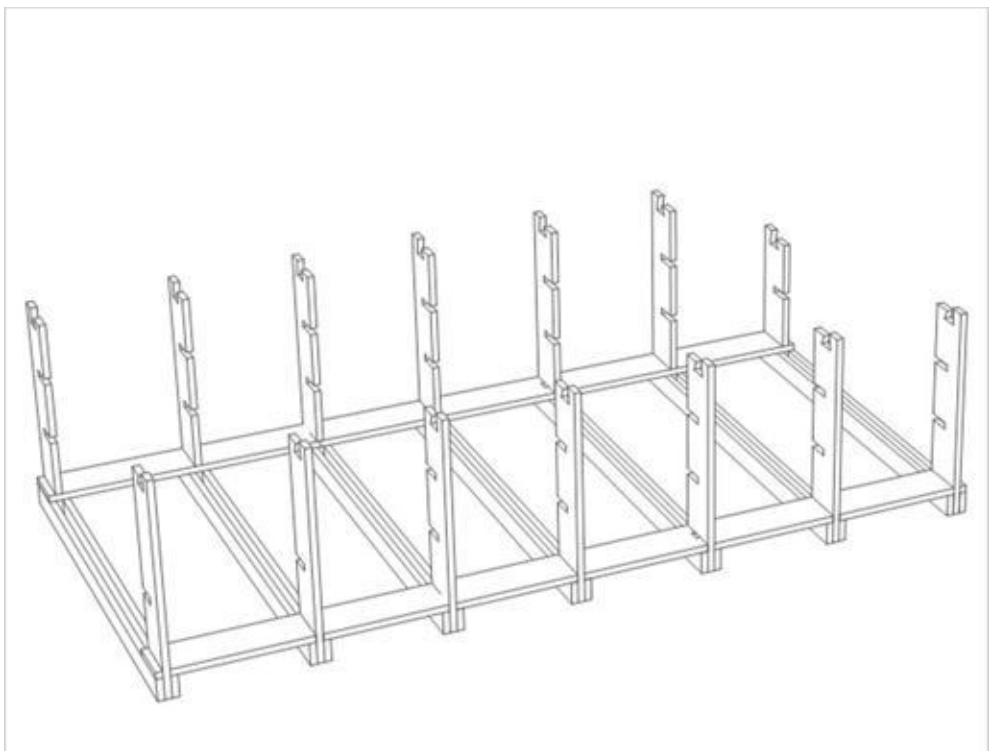
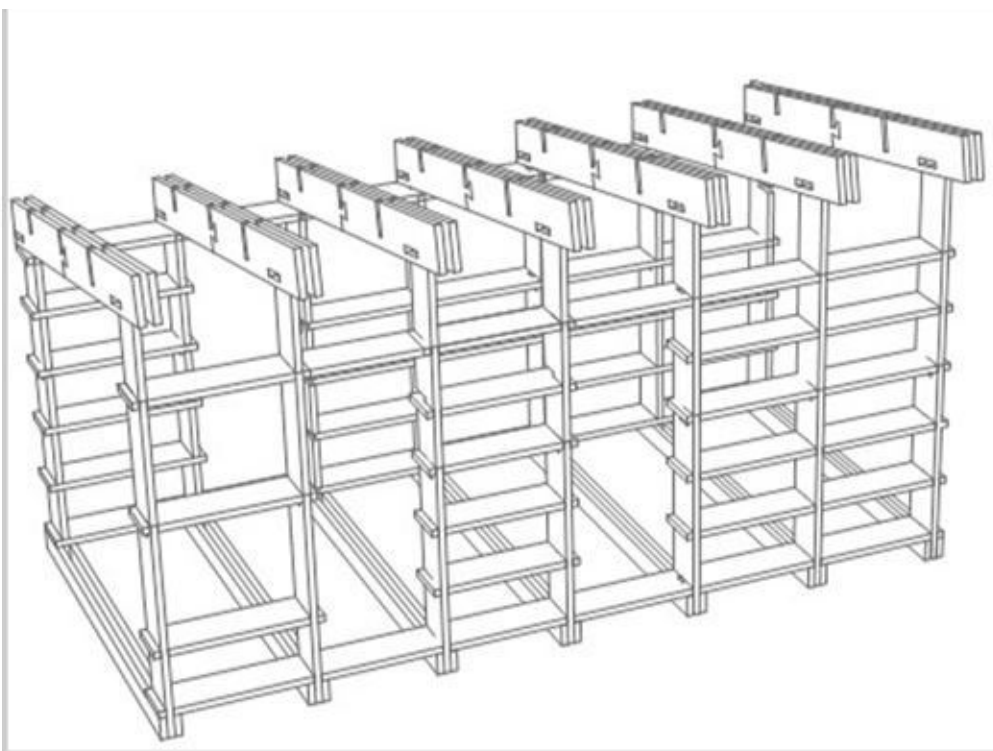
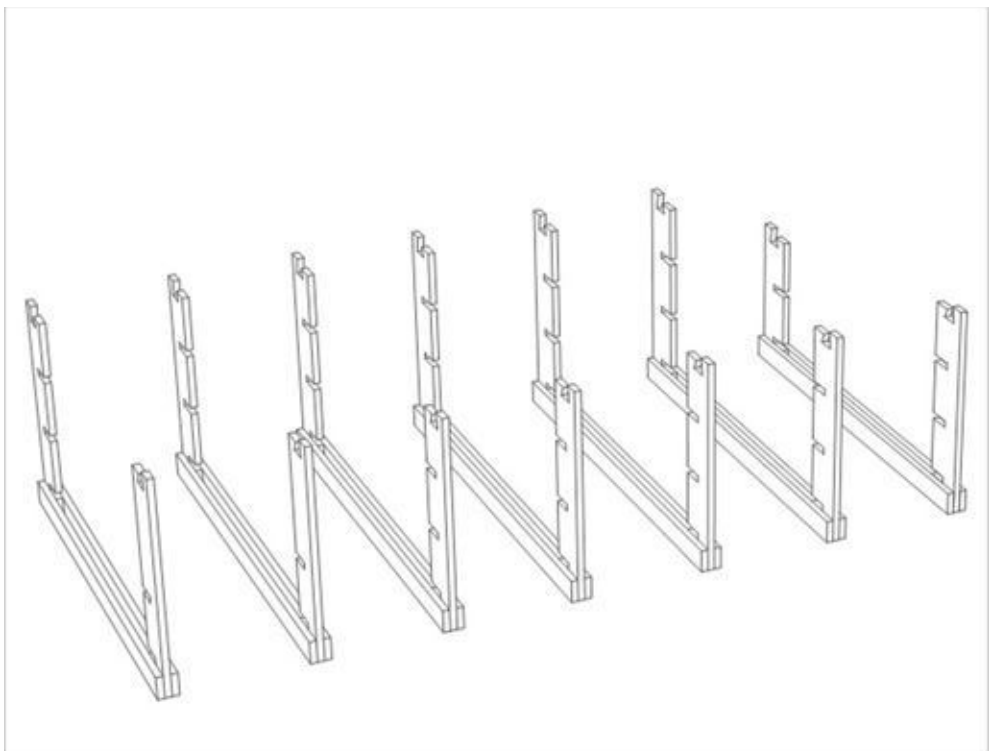
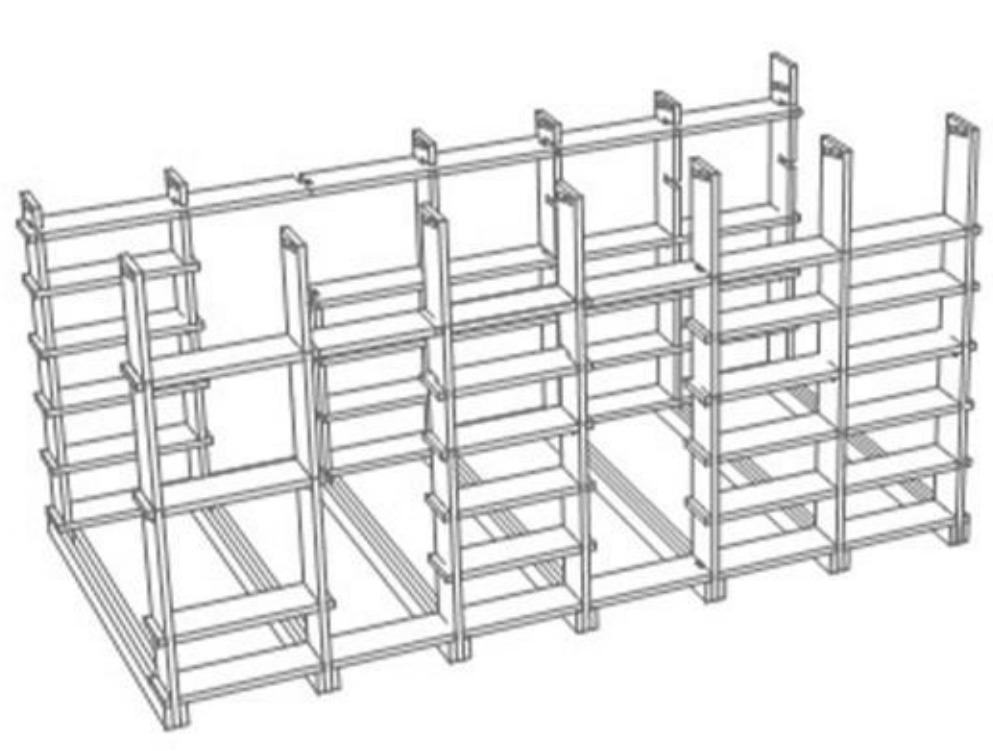
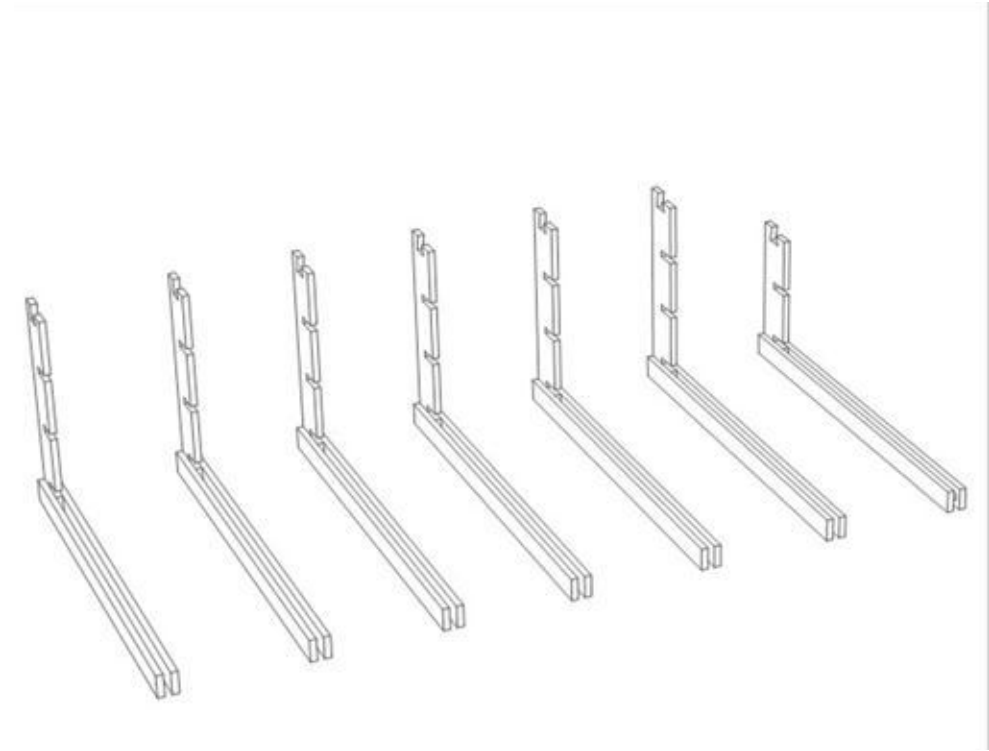
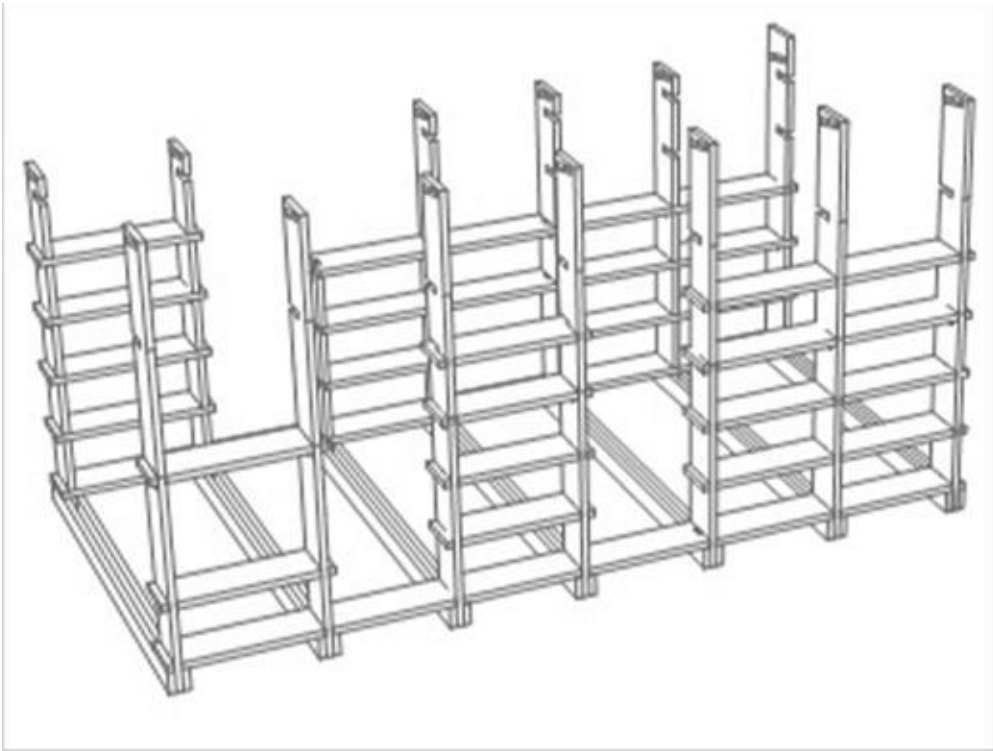
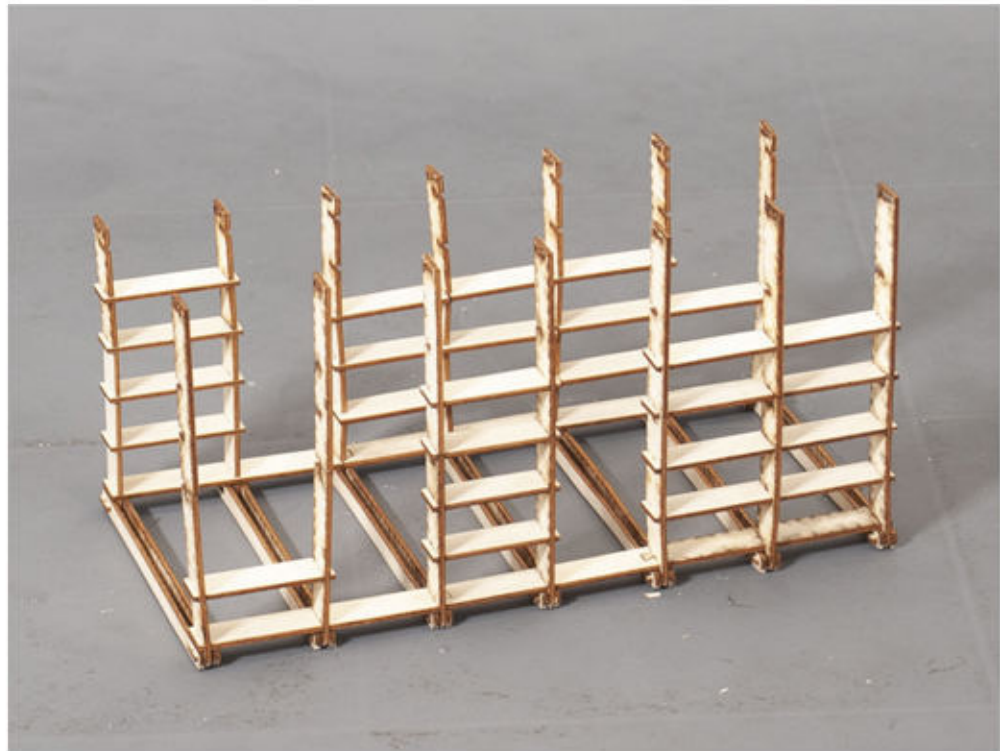
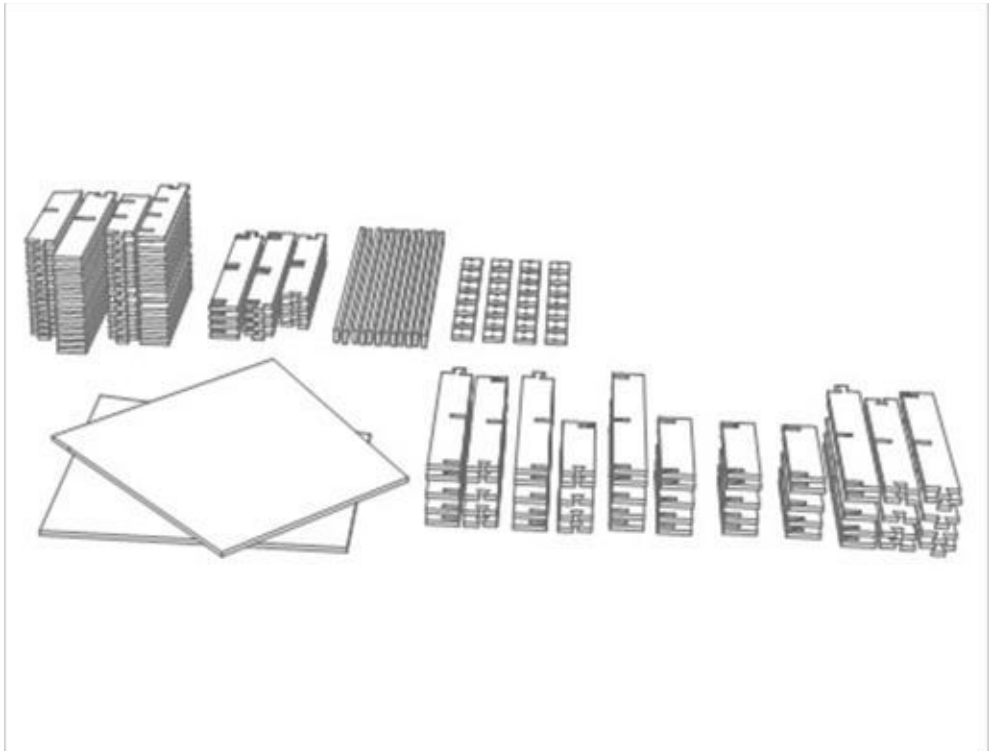
3.1 - foglio di polycarbonato - sp 5mm
3.2 - isolamento in paglia - sp 400mm / telaio in legno compensato di pioppo - sp 400mm
3.3 - pannello in OSB - sp 20mm

4. CHIUSURA ORIZZONTALE INFERIORE

4.1 - pavimento in legno di abete - sp 10mm
4.2 - isolamento in paglia - sp 200mm / trave in legno di cesvegeno 200 x 60 mm
4.3 - base in legno di abete - sp 50mm
4.4 - fondazione in cemento

MATERIALI	COSTO MATERIALI	PESO MATERIALI
MULTISTRATO DI PIOPPO  Categoria : bio based Origine : coltura Fine vita : riciclabile Provenienza : Ancona	pannelli in legno compensato di pioppo 1530 x 3100 x 30+30 mm x 30 18000	pannelli in legno compensato di pioppo 1530 x 3100 x 4 mm x 450 3500 kg
PAGLIA  Categoria : bio based Origine : rifiuti coltura Fine vita : ritorno alla natura Provenienza : Ancona	balle di paglia pressate 1200 x 500 x 400 mm x 80 400	balle di paglia pressate 1200 x 500 x 400 mm x 80 1700 kg
POLICARBONATO  Categoria : artificiale Origine : fabbrica Fine vita : riciclabile Provenienza : Milano	pannelli in polycarbonato trasparente personalizzati..... 5200	pannelli in polycarbonato trasparente personalizzati..... 180 kg
OSB  Categoria : bio based Origine : coltura Fine vita : riciclabile Provenienza : Ancona	pannelli in OSB sp 20 mm..... 336	pannelli in OSB sp 20 mm..... 130 kg
LEGNO DI ABETE  Categoria : bio based Origine : coltura Fine vita : riciclabile Provenienza : Ancona	pannelli in legno di abete sp 50mm 115	pannelli in legno di abete sp 50mm 600 kg
TOTALE : 24.050		TOTALE : 6110 kg

MATERIAL





Legenda

1 Chiusura orizzontale

1.1 Solaio interpiano

- Pavimento in legno 1cm
- isolante lana di roccia 5cm
- lastra in fibra di gesso 2,5 cm
- correnti in legno 9,5 cm
- parete xlam 16cm
- Intonaco di cemento 0,7cm

1.2 Solaio balcone

- Pavimento in legno 1cm
- correnti in legno con isolamento 9,5 cm
- parete xlam 16cm
- isolante lana di roccia 5cm
- Intonaco di cemento 0,7cm

1.3

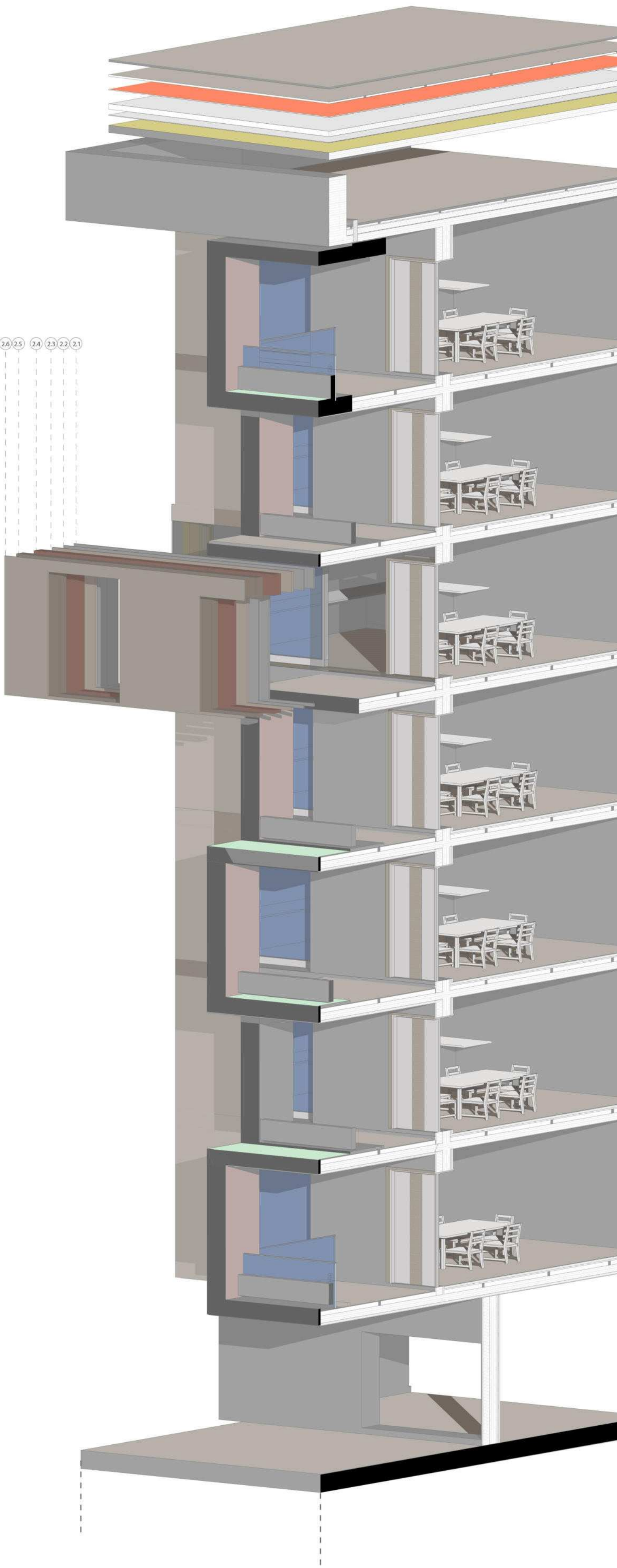
Solaio di copertura

- manto di copertura in lamiera aggraffata 1cm
- Guaina bituminosa 1cm
- isolante xps 5cm
- xlam 16cm
- barriera vapore
- isolante fibre di legno obs 3cm
- rasatura 0,7cm

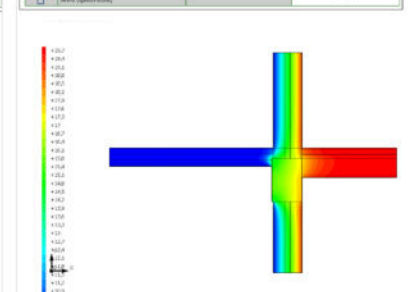
2 PARTIZIONI VERTICALE

2.1

- Intonaco di cemento 2cm
- isolante in lana di roccia 15cm
- xlam 16
- isolante fibre di legno 4cm
- cartongesso 2cm
- fogli di compensato 2cm



21 - Marzo



SMALL SCALE BIG CHALLENGES è un laboratorio progettuale che si tratta della ricerca dei “big design for small architecture”. La questione generale era lo design su come sviluppare le aree interne che spesso hanno un alto valore paesaggistico e naturalistico, incentivandone il popolamento ma riducendo l’impatto.

Specificamente si tratta di un’architettura di piccola scala a carattere temporaneo con sistema costruttivo leggero e reversibile, eventualmente trasformabile, intesa quale possibile risposta al tema dell’infrastrutturazione di ambienti naturali ai fini del loro sviluppo economico e sociale