

PoplyHouse

Le costruzioni in compensato di pioppo

Il contributo ed il potenziale della Simbiosi Industriale per la transizione ecologica

laa
lorenaalessio
architetti

 **E. IGOLUNGO**
PLYWOOD

 **Poply
House®**

Ecomondo The Green Technology Expo
Rimini, 27 ottobre 2021

Coltivazione del pioppo in Italia

40.000 aziende agricole

100.000 ettari di terreni coltivati a pioppeto

Coltivazioni della durata media di 10 - 11 anni (un ciclo)

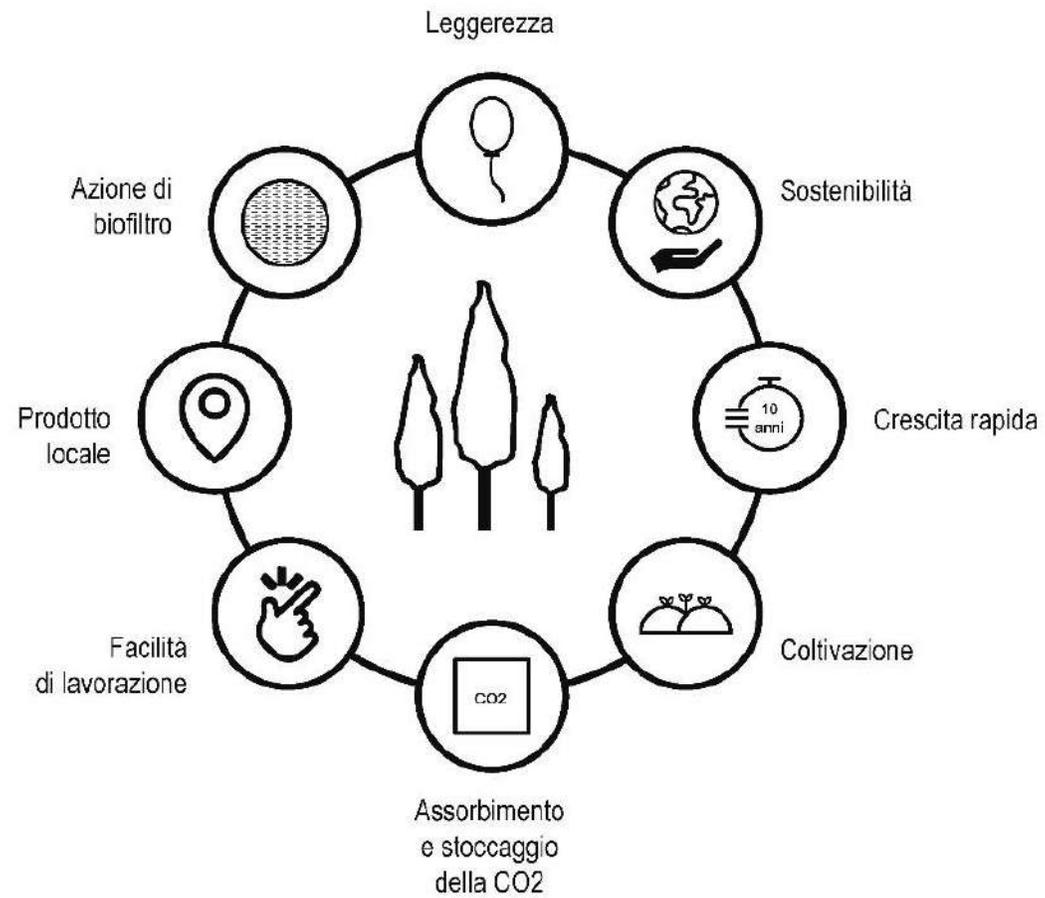
280 alberi per ettaro

Ogni piantagione genera a fine ciclo: 200 metri cubi di legname

Produzione di 1,5 milioni di metri cubi di legname pronto per essere lavorato all'anno



Vantaggi pioppicoltura



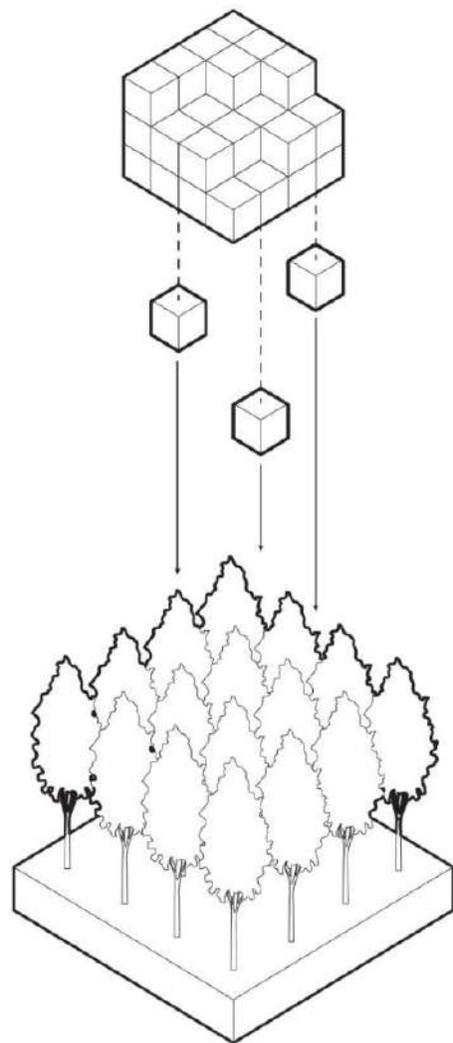
6,4 ton/anno
CO2 sequestrata

COLTIVO

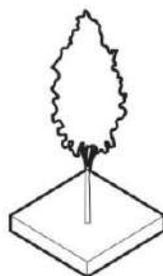
PRODUZIONE

COSTRUISCO
A SECCO IN
PREFABBRICAZIONE

NO POLVERI
NO RUMORI
SMONTABILE
E RICICLABILE

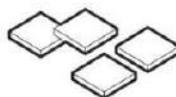


106
pioppi



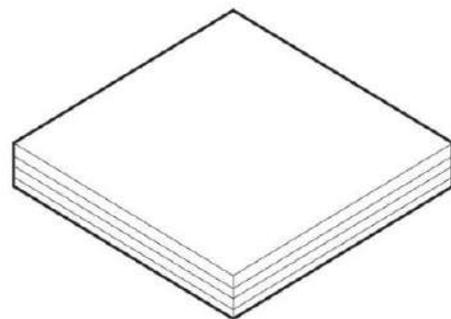
1 albero

=



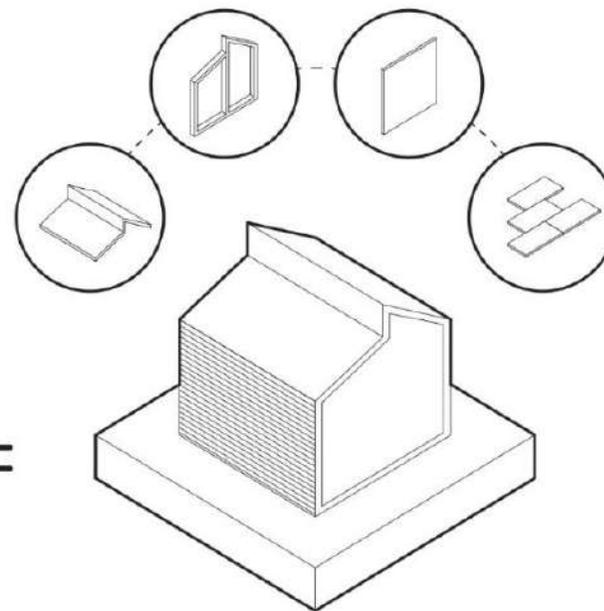
~4 pannelli

=



452
pannelli

=



~160m²
area coperta

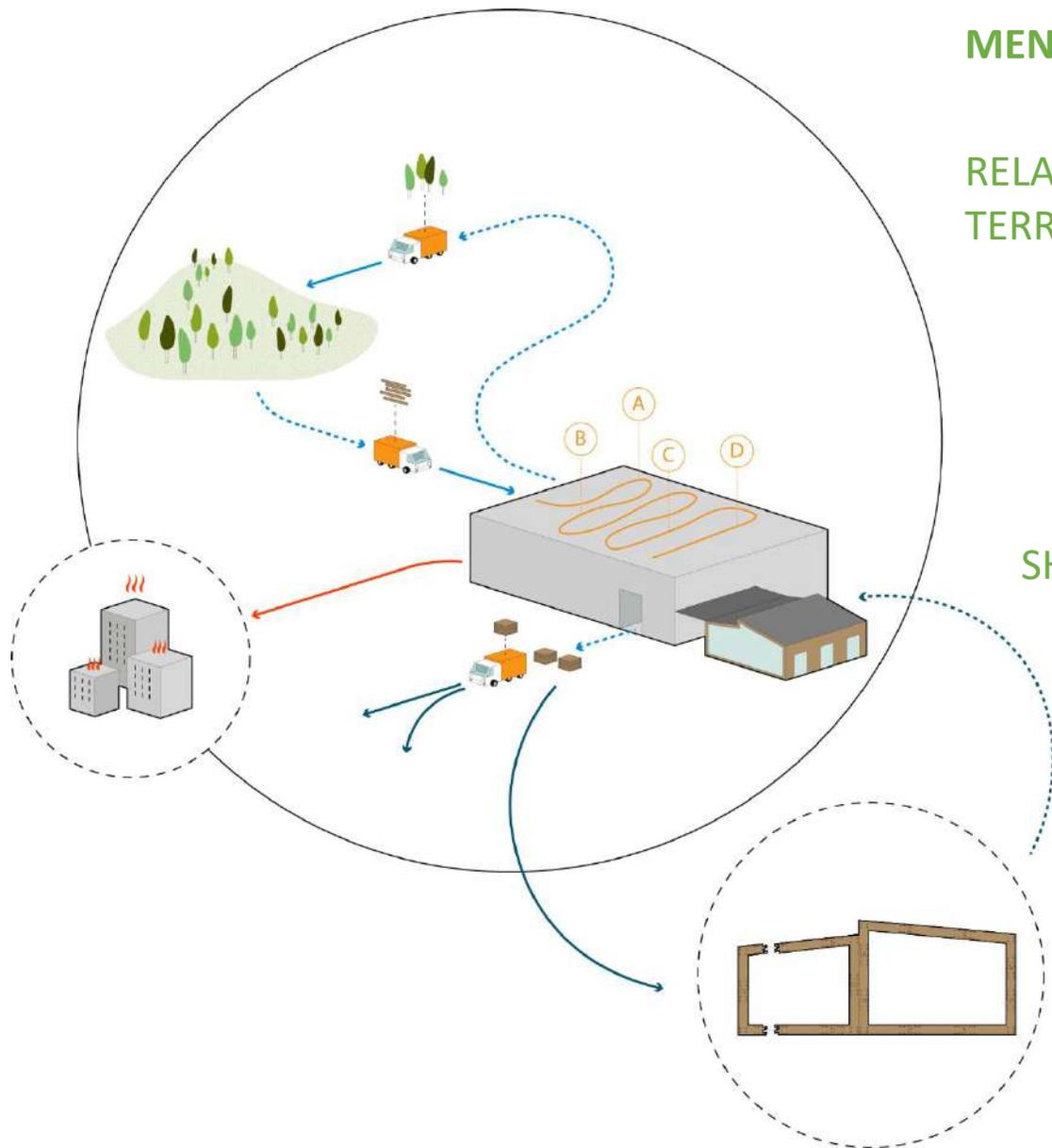
MENTRE PRODUCO

RELAZIONE CON IL
TERRITORIO

SCARTI DI CORTECCIA E
POLVERINO IN CENTRALE
TERMICA PER FORNITURA
CALORE IN
TELERISCALDAMENTO AD
AZIENDE LIMITROFE ED AL
PAESE

VENDITA DI TONDELLI

SHOWROOM









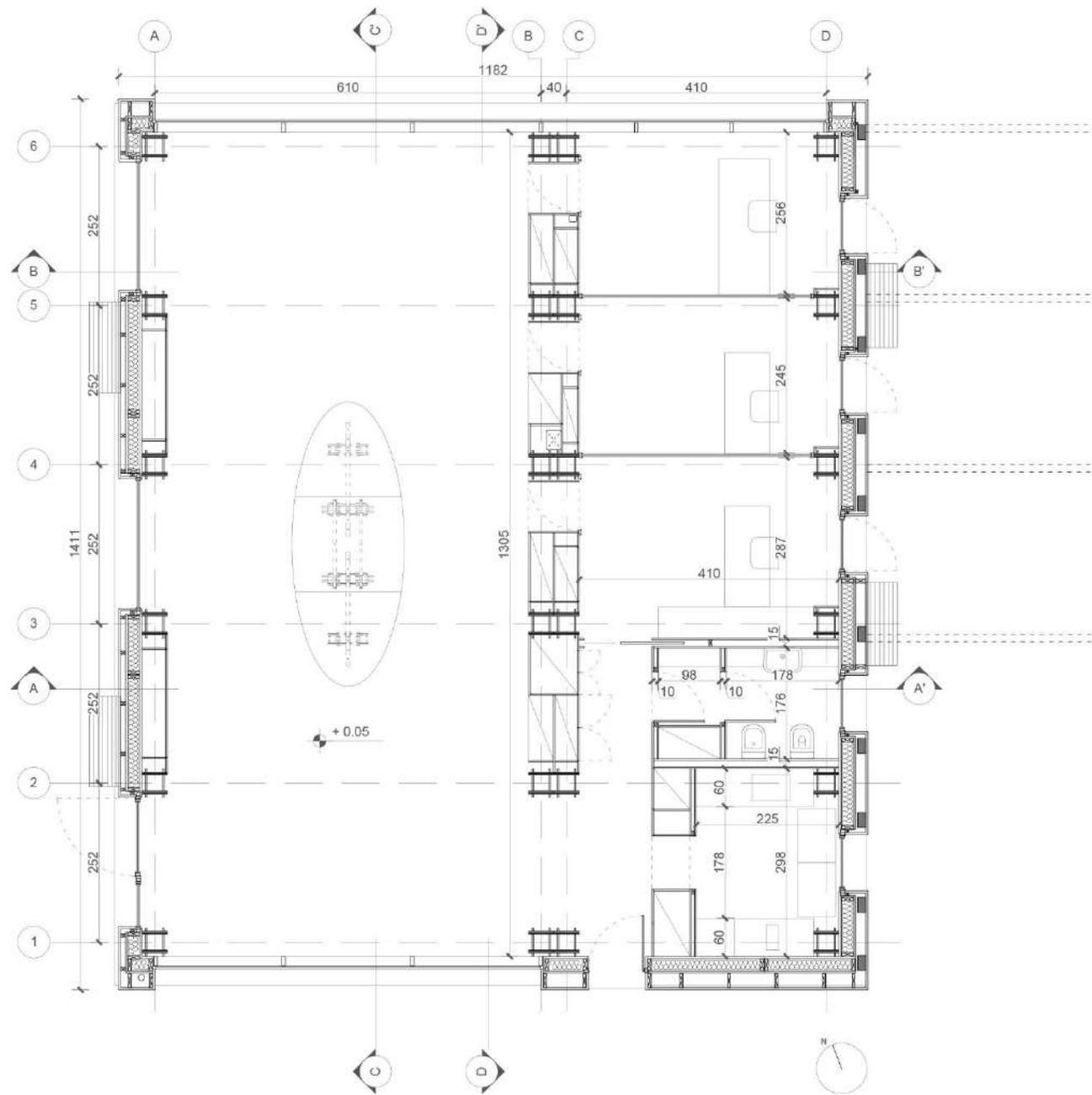


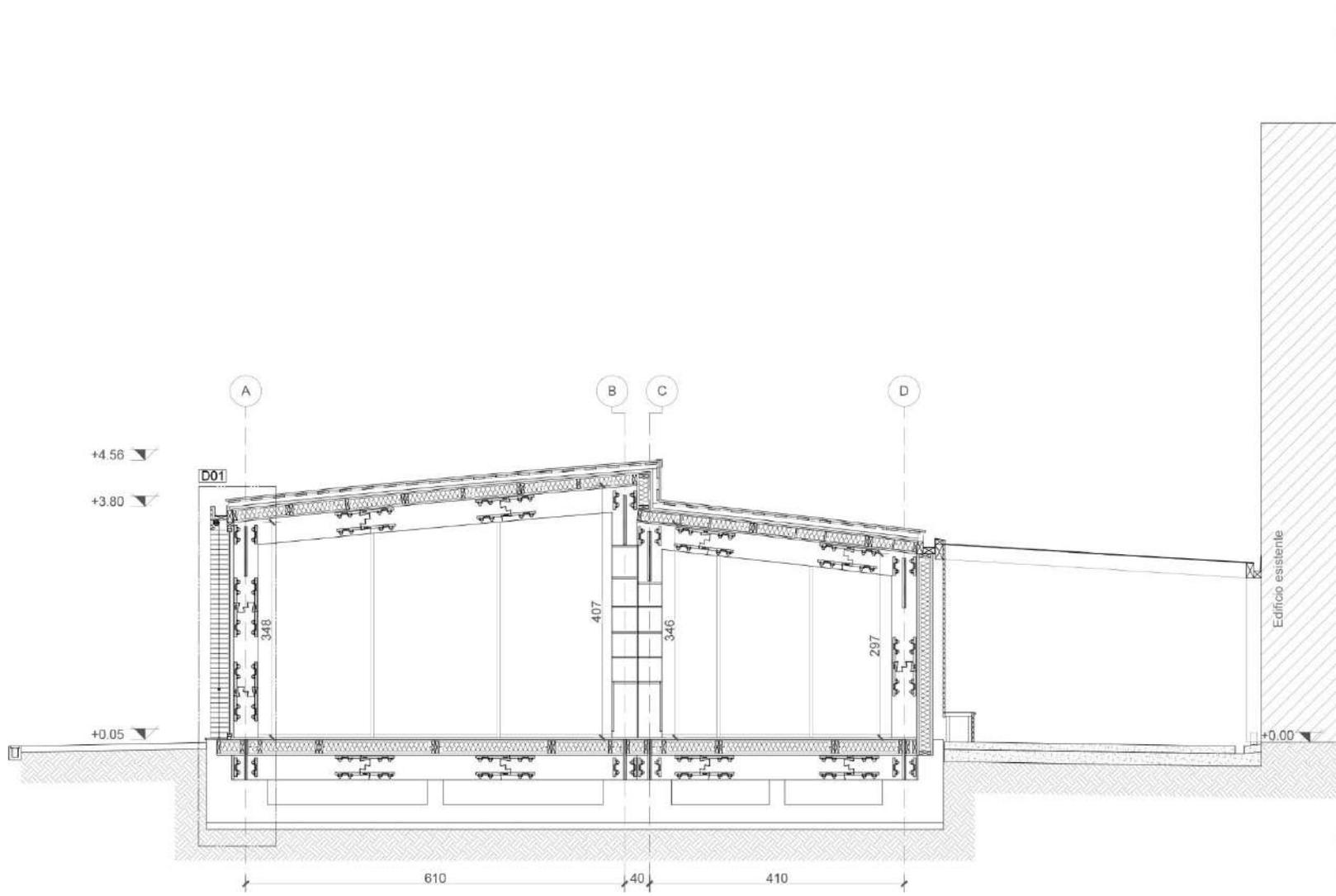


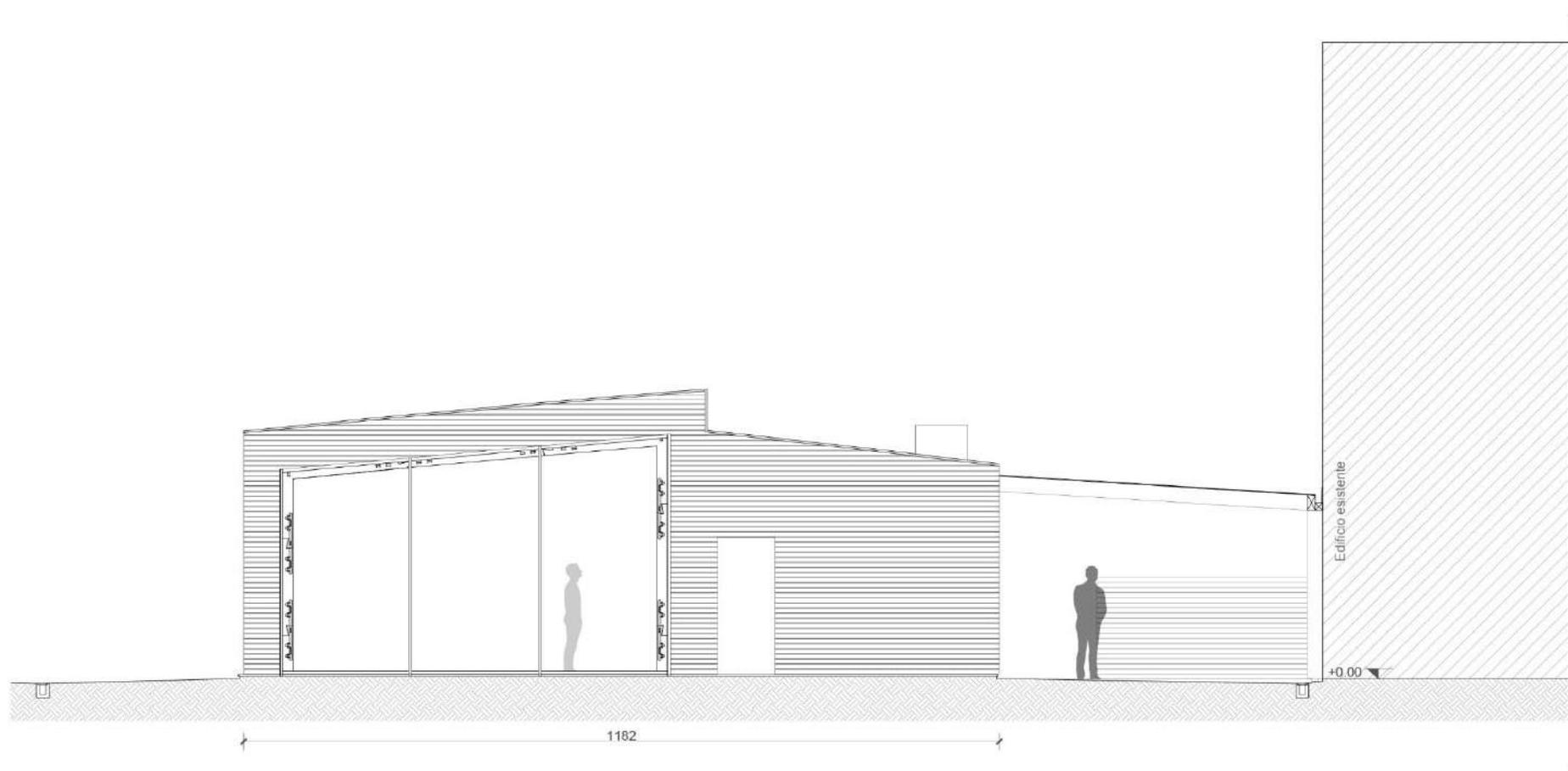


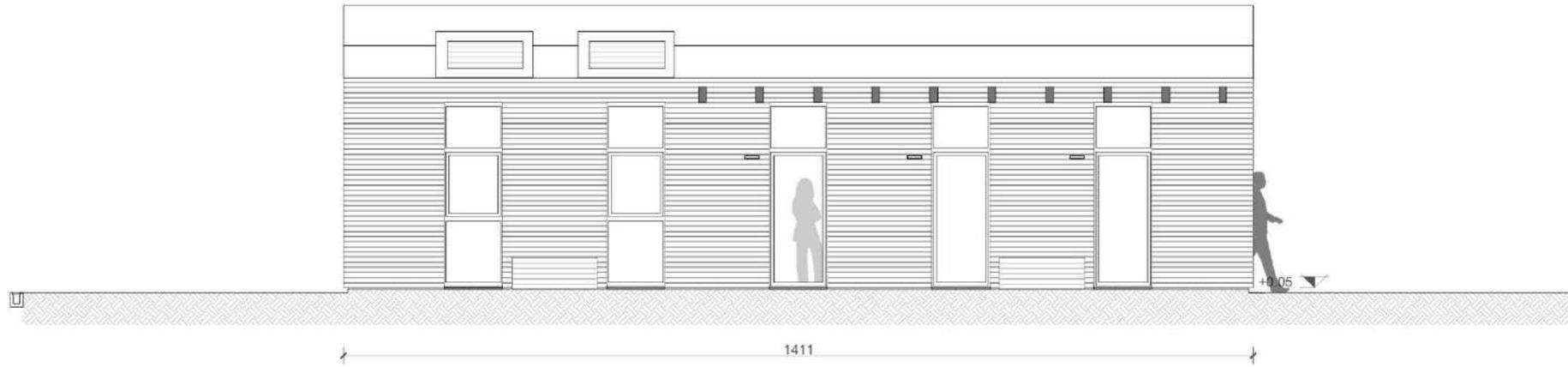


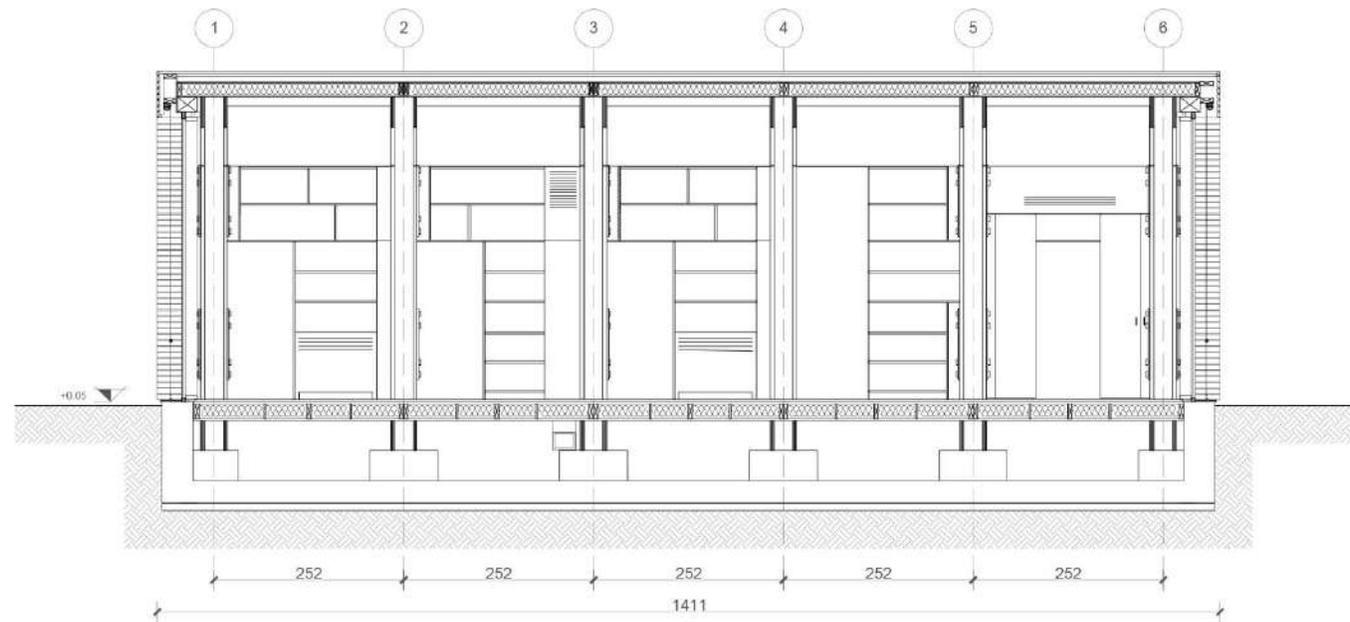


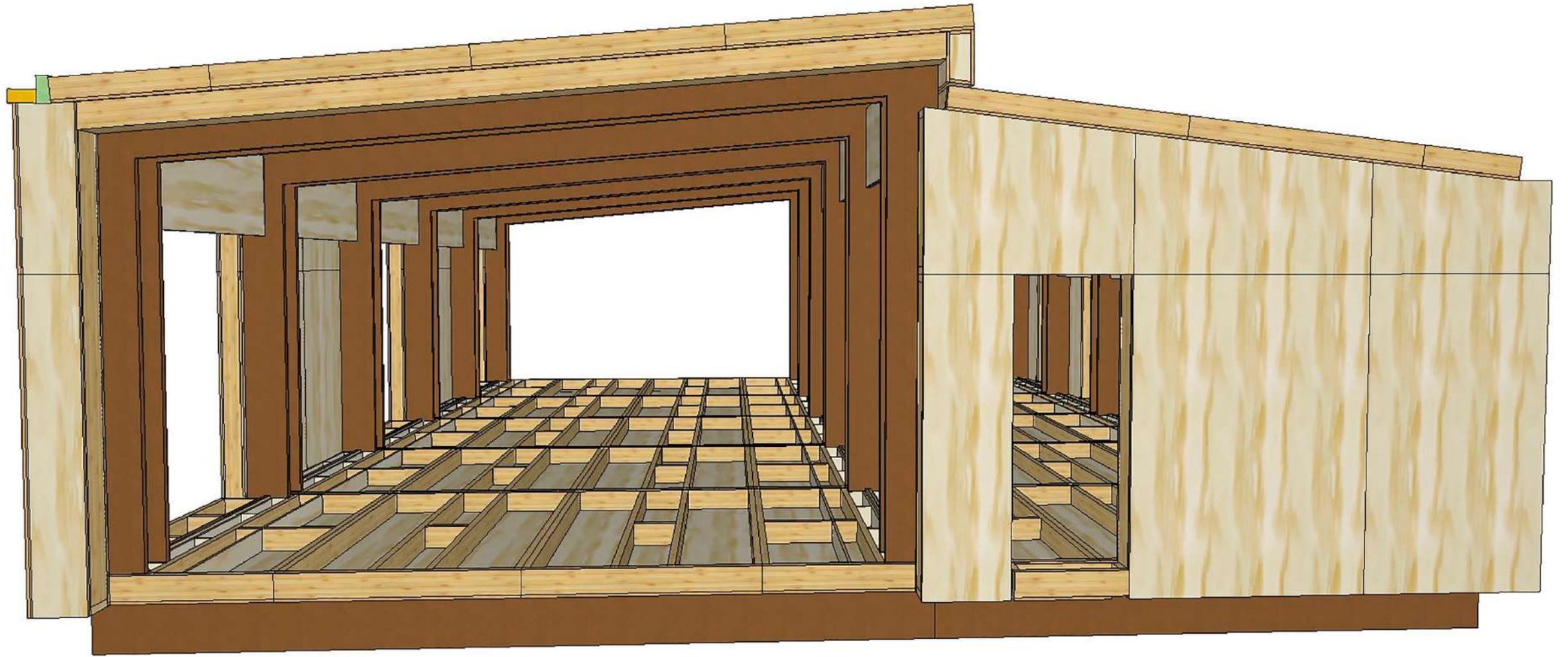


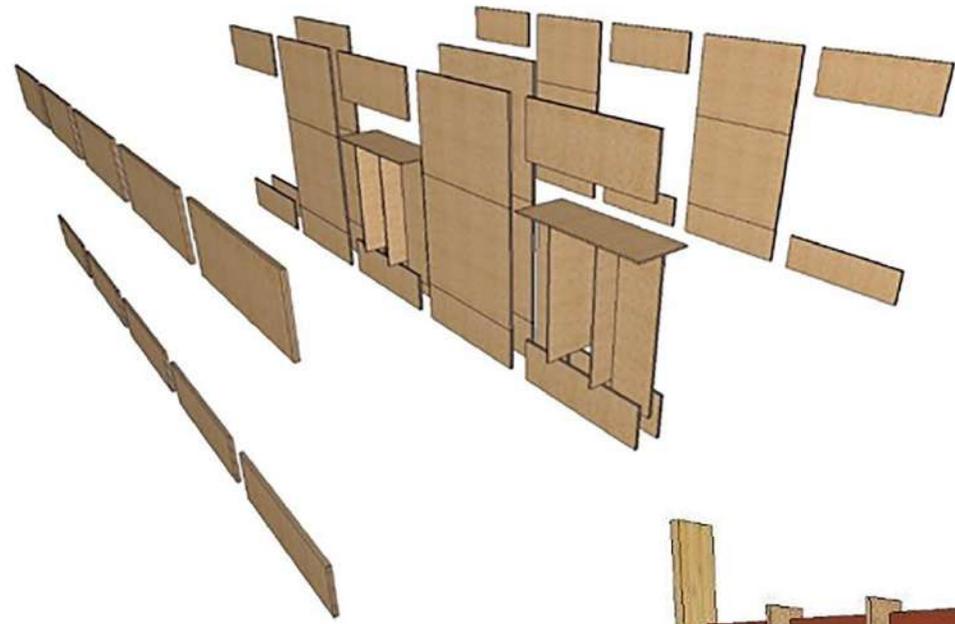
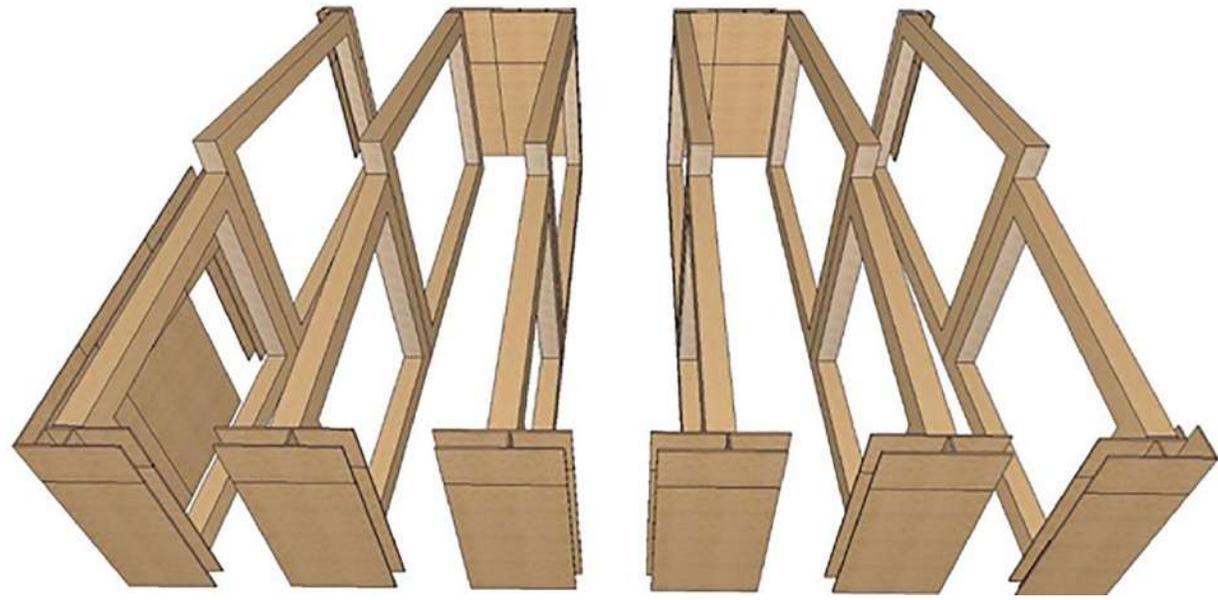


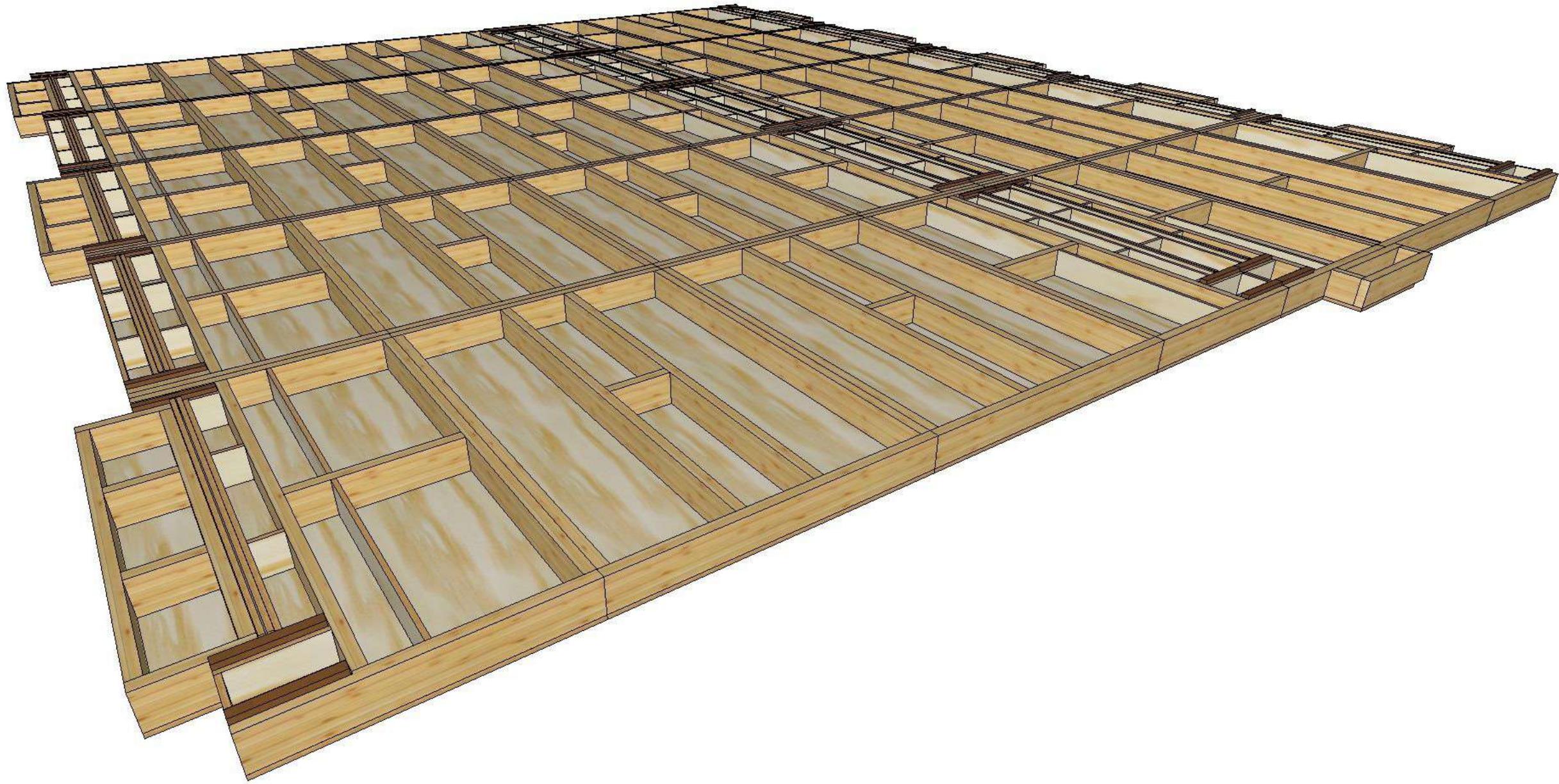












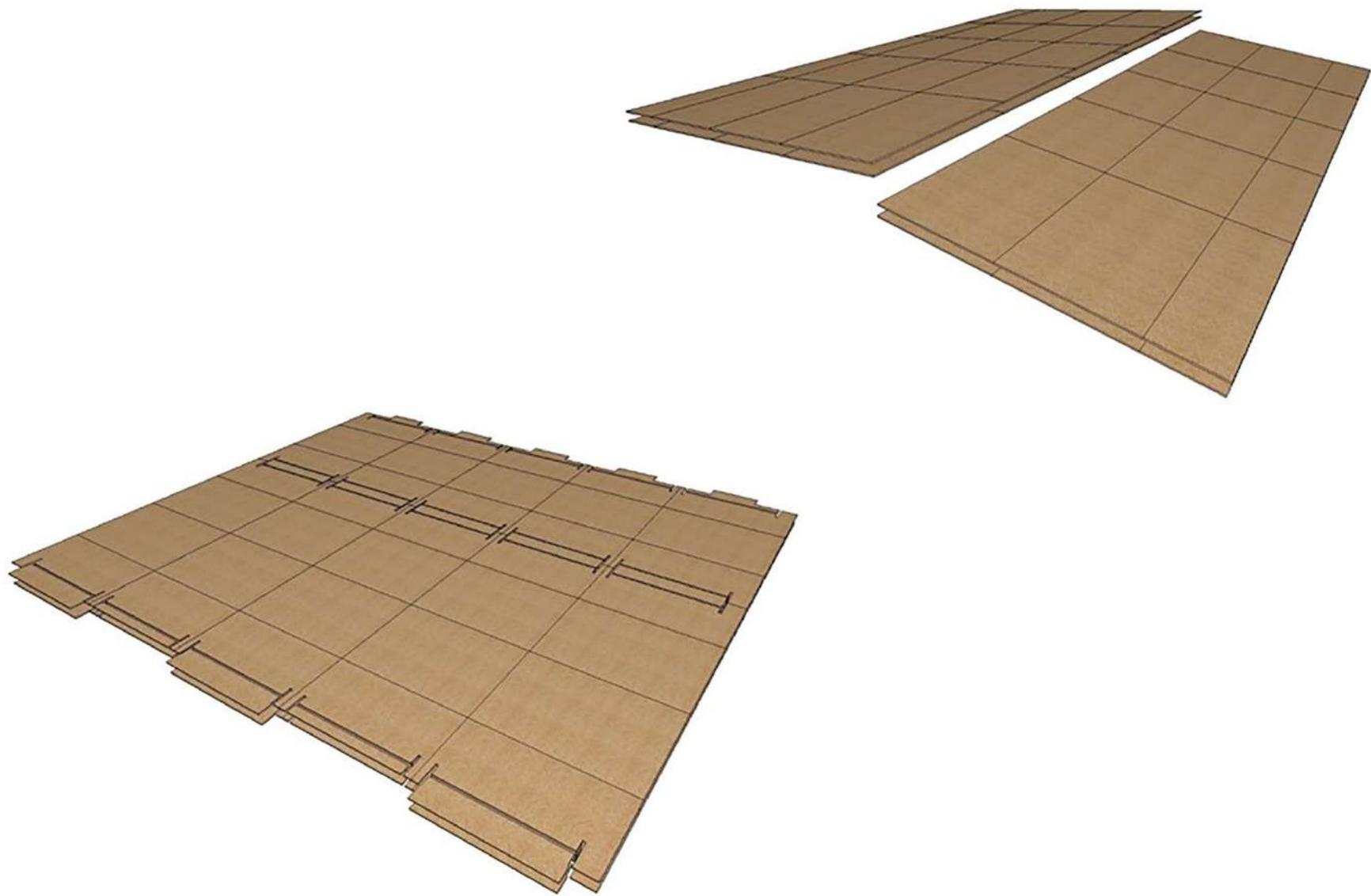






Immagine 18



Immagine 19



immagine 20



Immagine 21

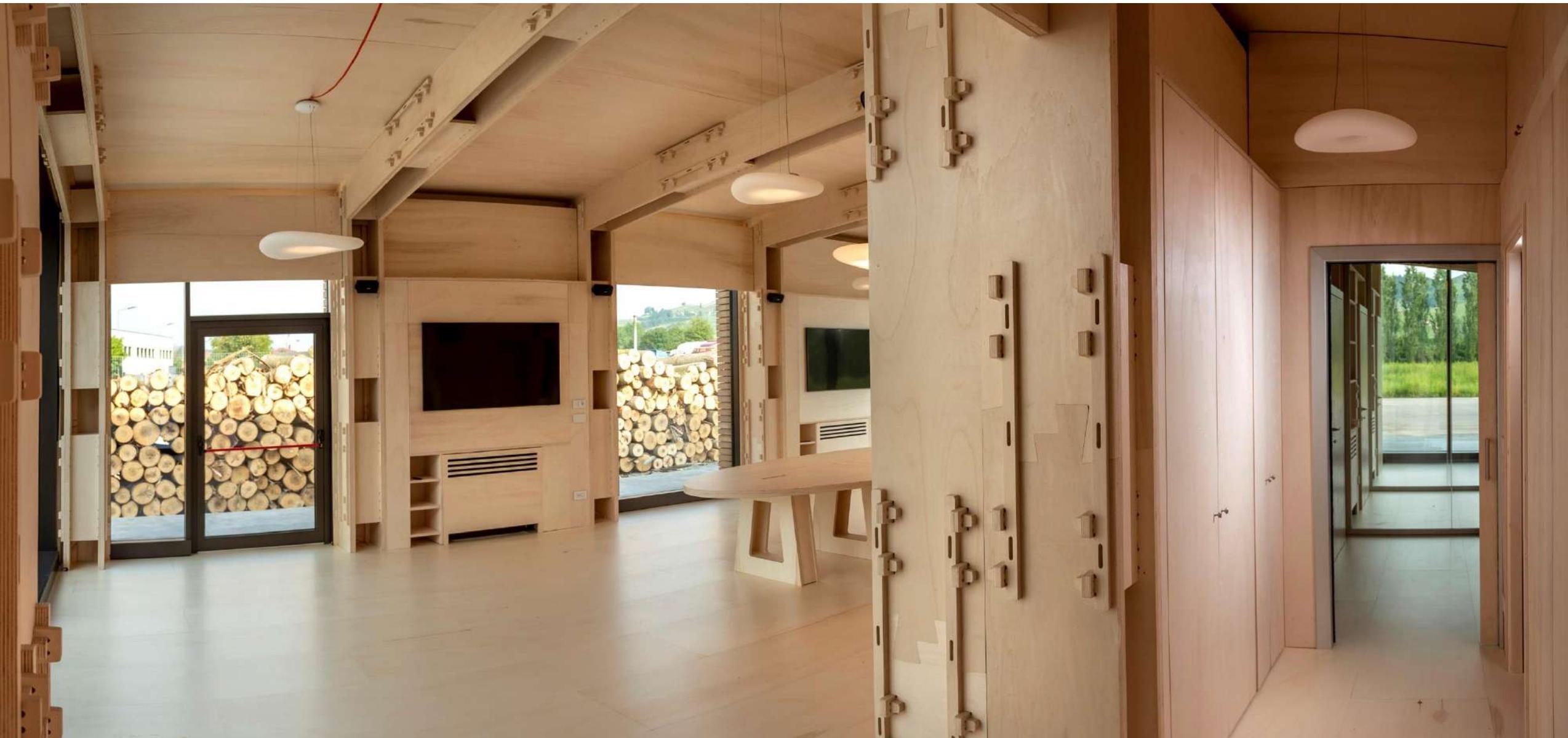


Immagine 22











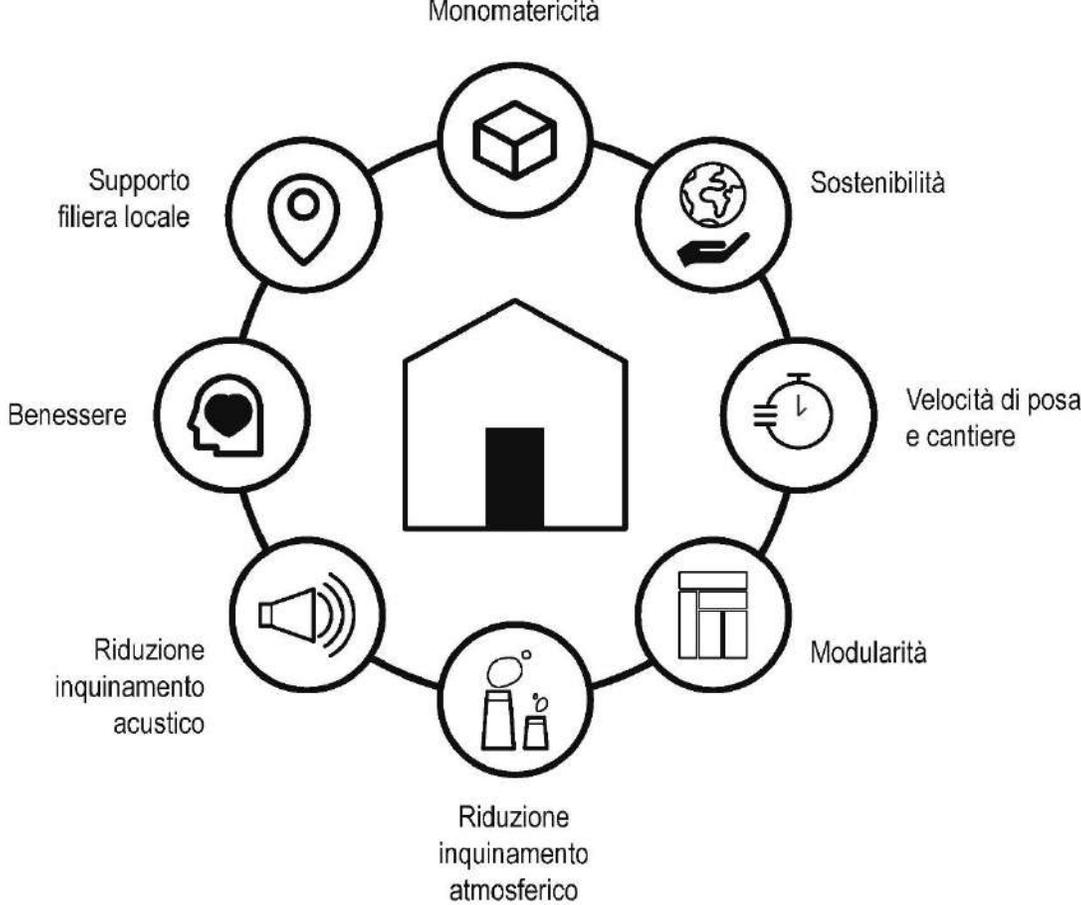






Vantaggi Sistema modulare PoplyHouse

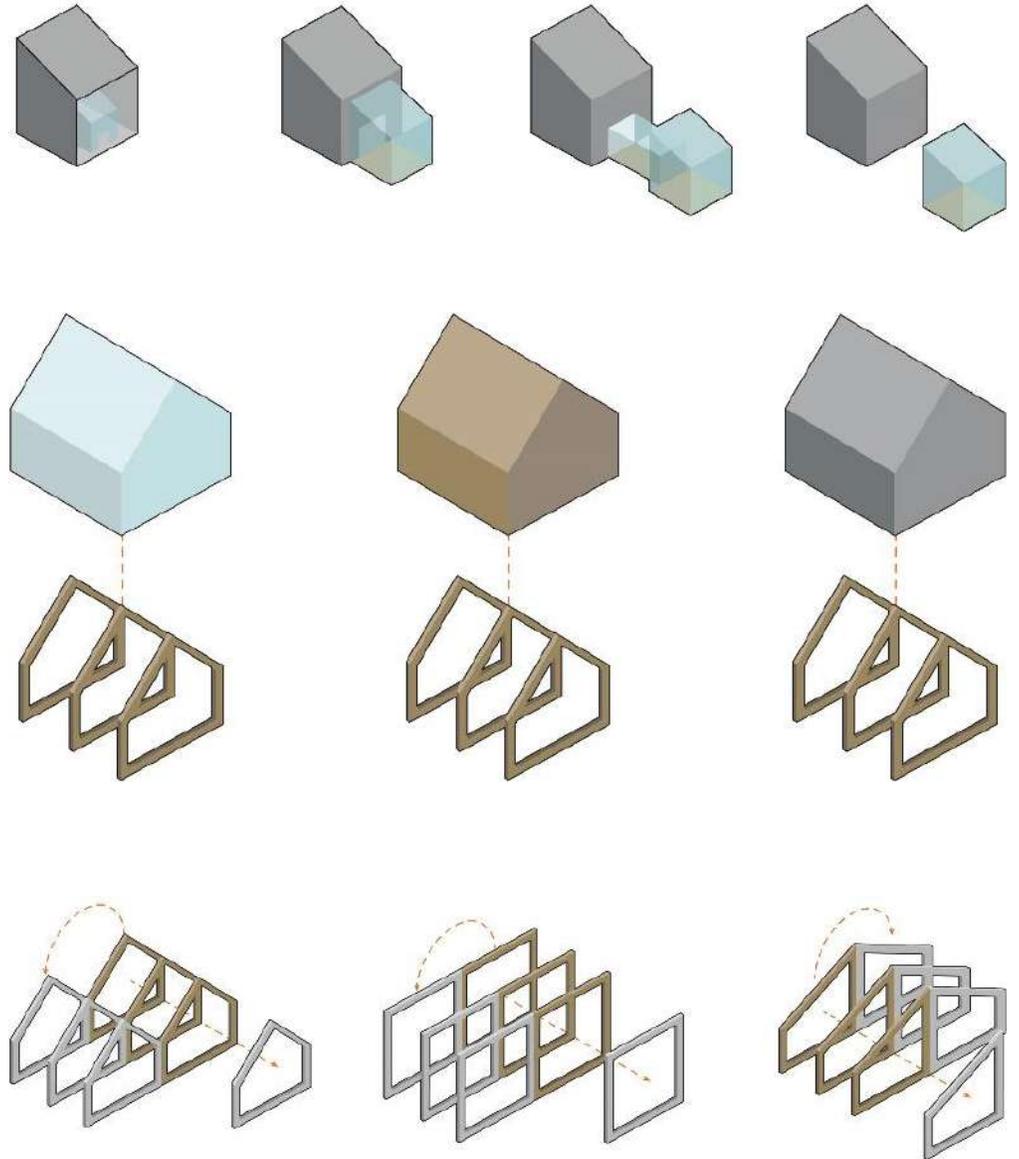
Edificio realizzato in A4



Think PoplyHouse
Sistema modulare per strutture
prefabbricate in compensato di pioppo



Think outside the box. Or inside. Or beside.



>>> progetti innovativi di bioarchitettura e spazi pubblici resilienti<<<

laa

lorenaalessio
architetti

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PREMIO  SOSTENIBILITÀ

Ringrazio per l'attenzione