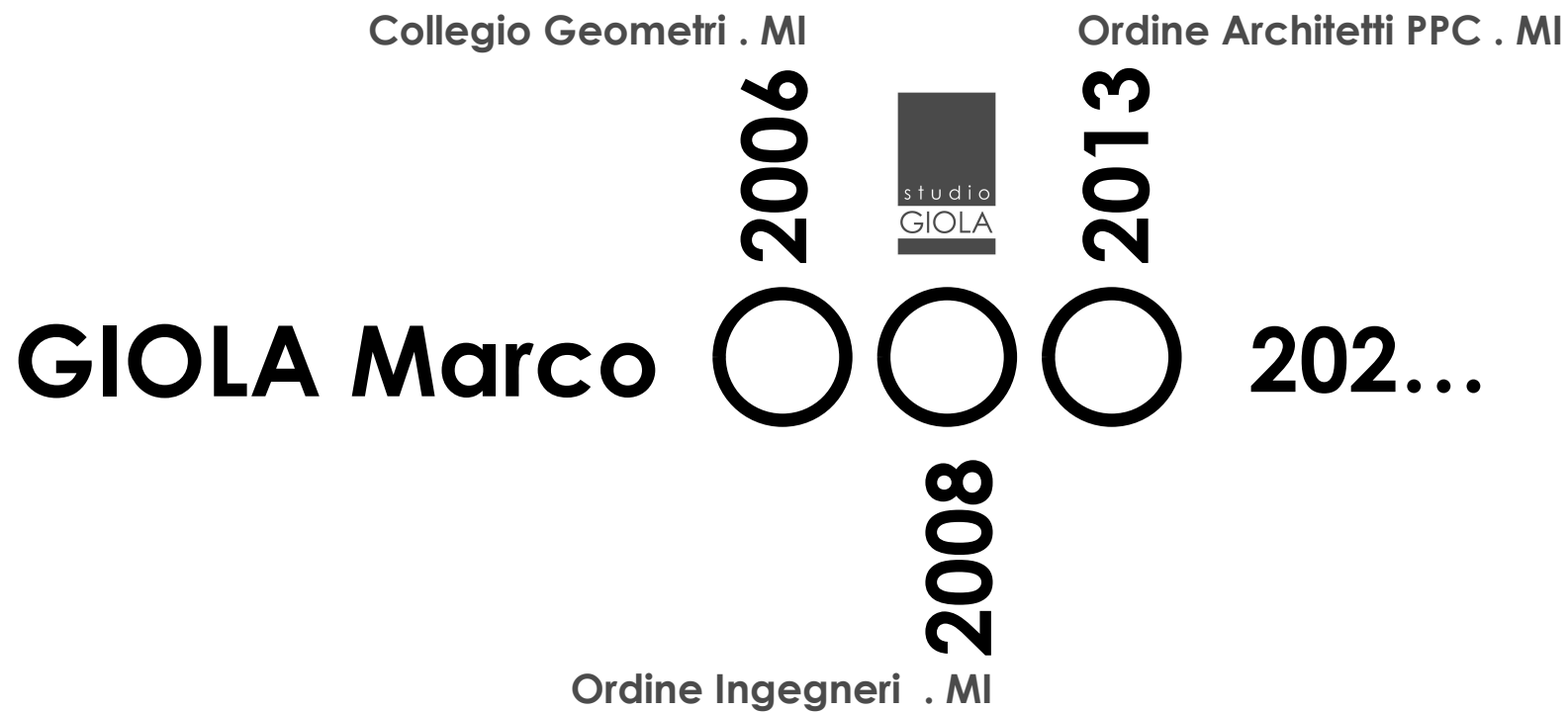


INVOLUCRO EDILIZIO IN CAA

Esperienze Progettuali e Costruttive con
Sistemi Calcestruzzo Aerato Autoclavato

Ordine Architetti PPC Provincia di Monza e della Brianza
24 Settembre 2026



PROGETTAZIONE INTEGRATA



- **progetto architettonico**

preliminare / definitiva / esecutiva

- **progetto involucro edilizio**

efficienza energetica / acustica passiva

- **progetto strutturale ca**

- **progetto di interni**

- **direzione lavori**

- **sicurezza nei cantieri**

- **aggiornamento catastale**

NECESSITA'

- **taglio termico murature**
- **facilità risoluzione ponte termico**
inferiore controterra / soglie e davanzali / proprietà isolanti
- **omogeneità comportamento**
isolamento multidirezionale / giunto blocchi / semplificazione
- **strato di finitura semplice**
sistema costruttivo / fessurazioni / lavorazioni aggiuntive / durabilità /
- **ordine, pulizia e precisione**
misura / lavori ridondanti / tempo



INCERTEZZA

- **unico elemento isolante**
- **partizione interna**
costruttiva / solidità / acustica /
- **cambio metodologia costruttiva**
pensiero / attrezzi / conoscenza /
- **tempistica esecutiva**
lavorabilità / attenzione / maneggevolezza /
- **posa in opera**
zero errori / difficile rimedio / mentalità /



55

2009 - 2026

ZCasa
Cuggiono MI
riqualificazione

2X2MARCONI
Inveruno MI
ex.novo

studiogiola

Xella Reference Book

Arketipo Magazine - 07.2025

IoArch - 06.2025

2X2MARCONI | Inveruno MI

progettista architettonico . **Studio GIOLA** | **GIOLA Marco**

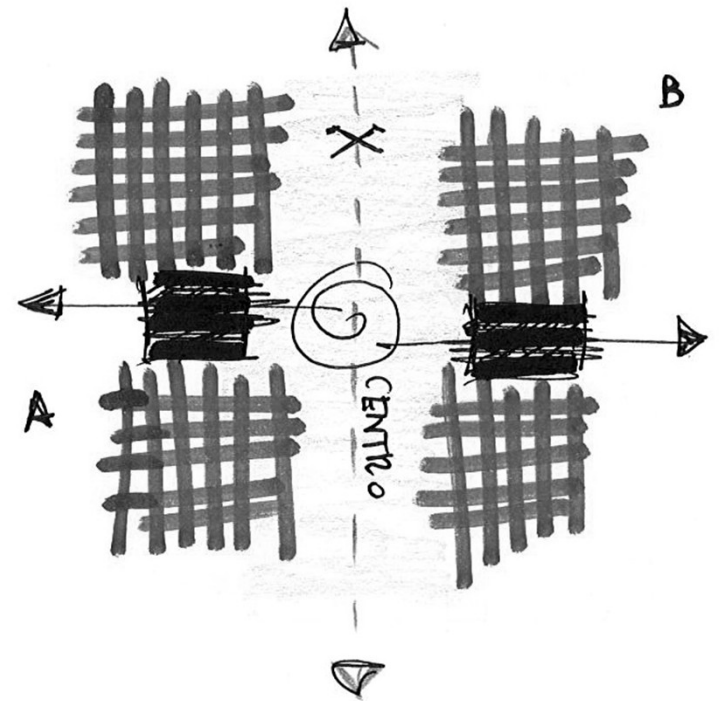
progettista strutture . **Studio GIOLA** | **CHINOSI Valentina**

impresa esecutrice . **LATTONERIA MODERNA Srl**

impianto termo_idraulico . **FRITTOLI Idrotermica Srl**

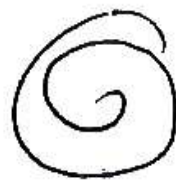
impianto elettrico . **ESSE ELLE di Santaguida Leonardo**

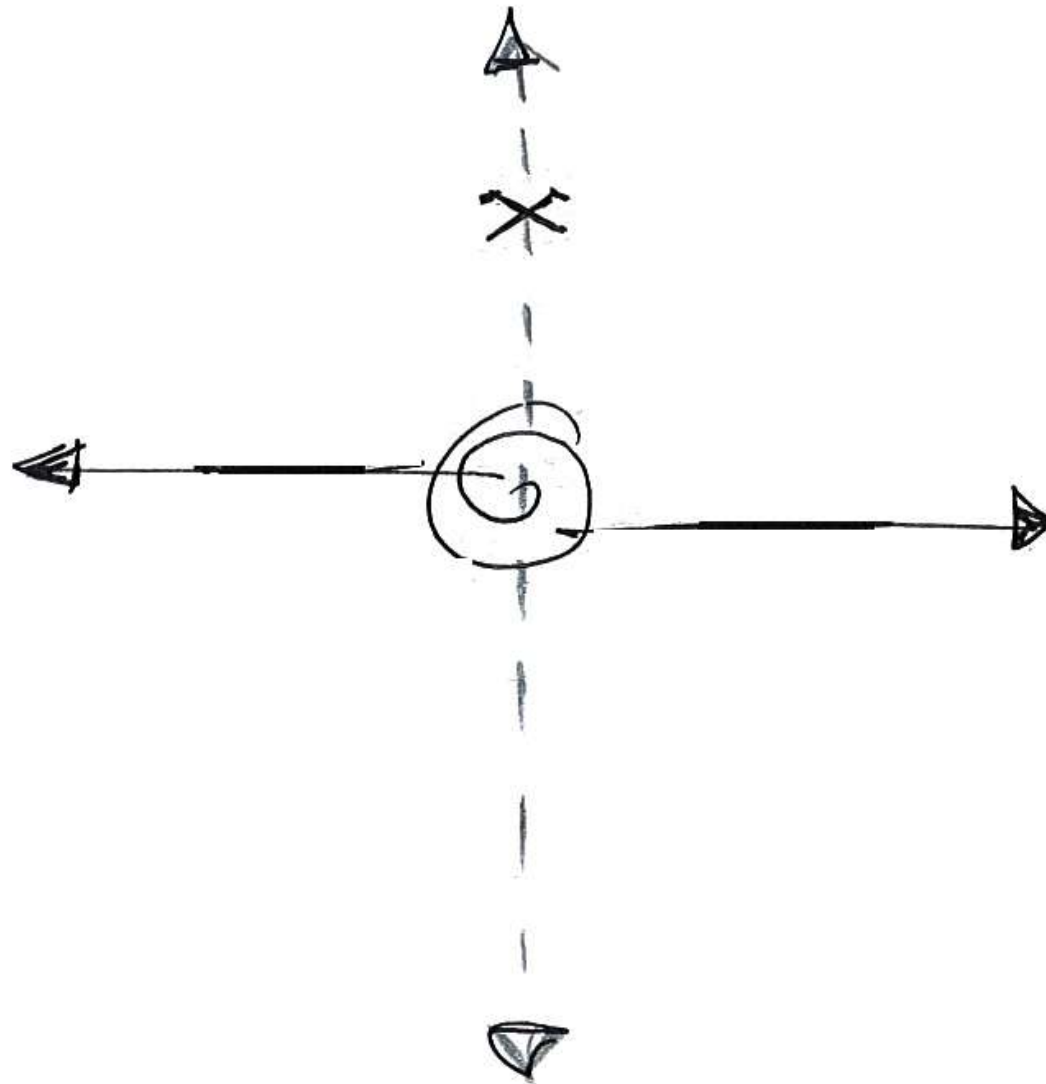
serramenti e schermature. **ISOALL Srl**

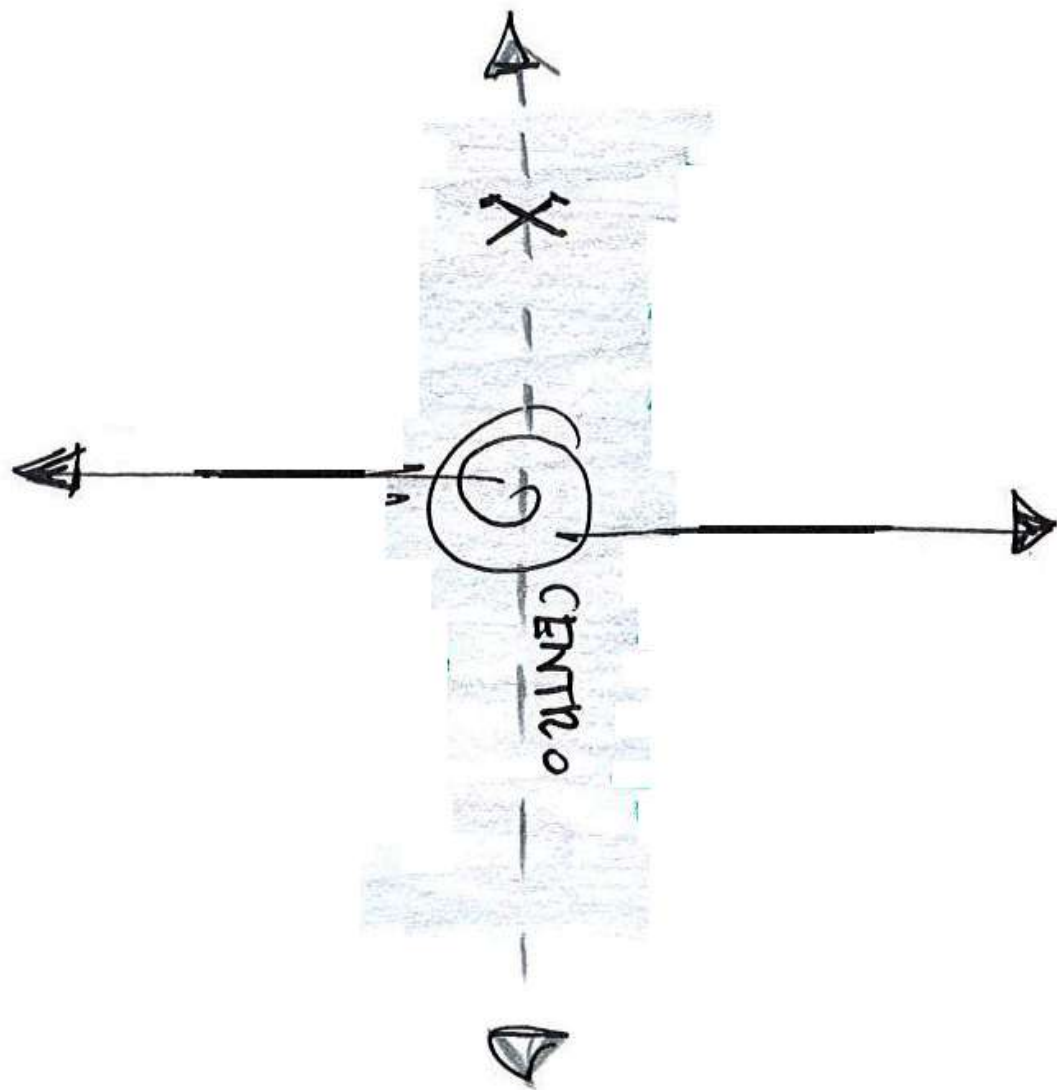


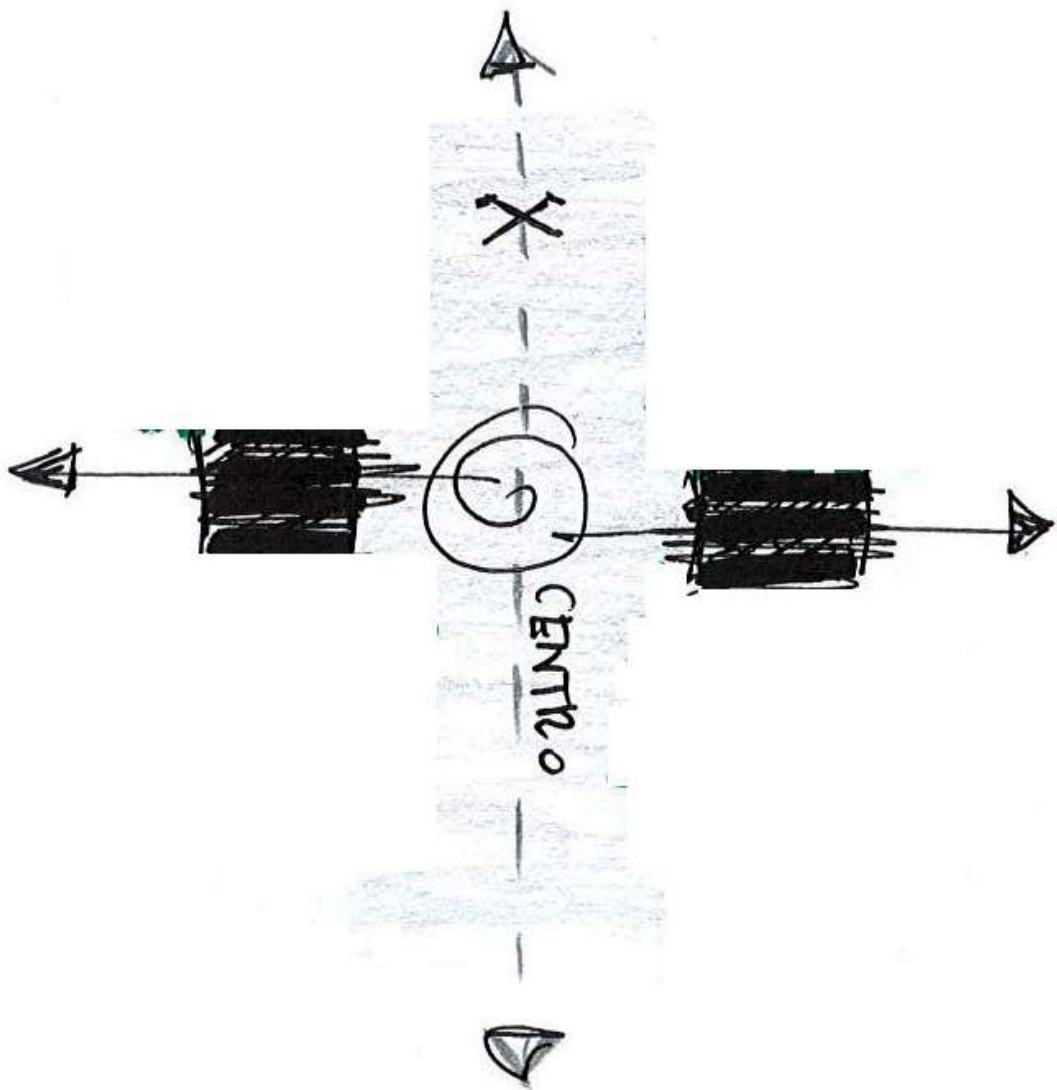


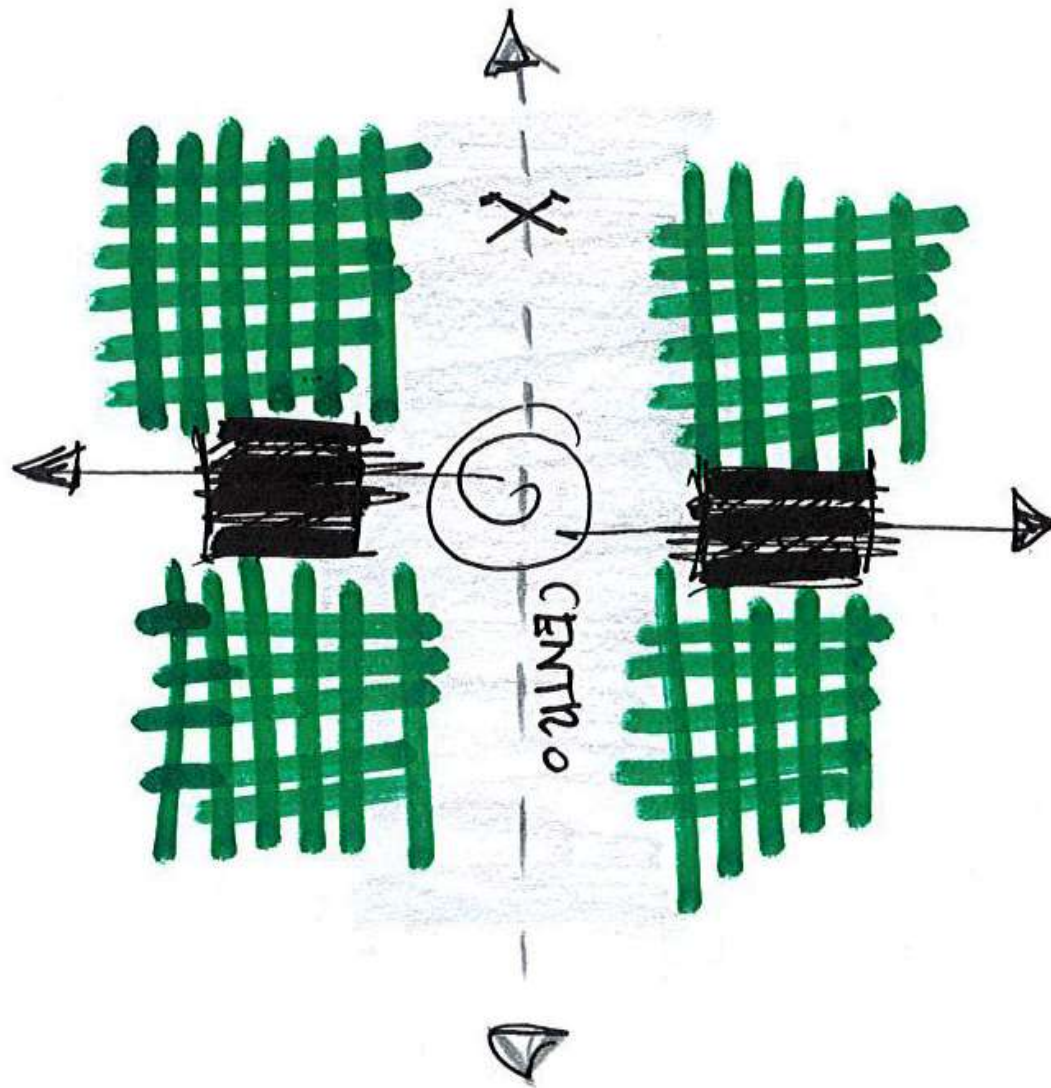
TAGLIO

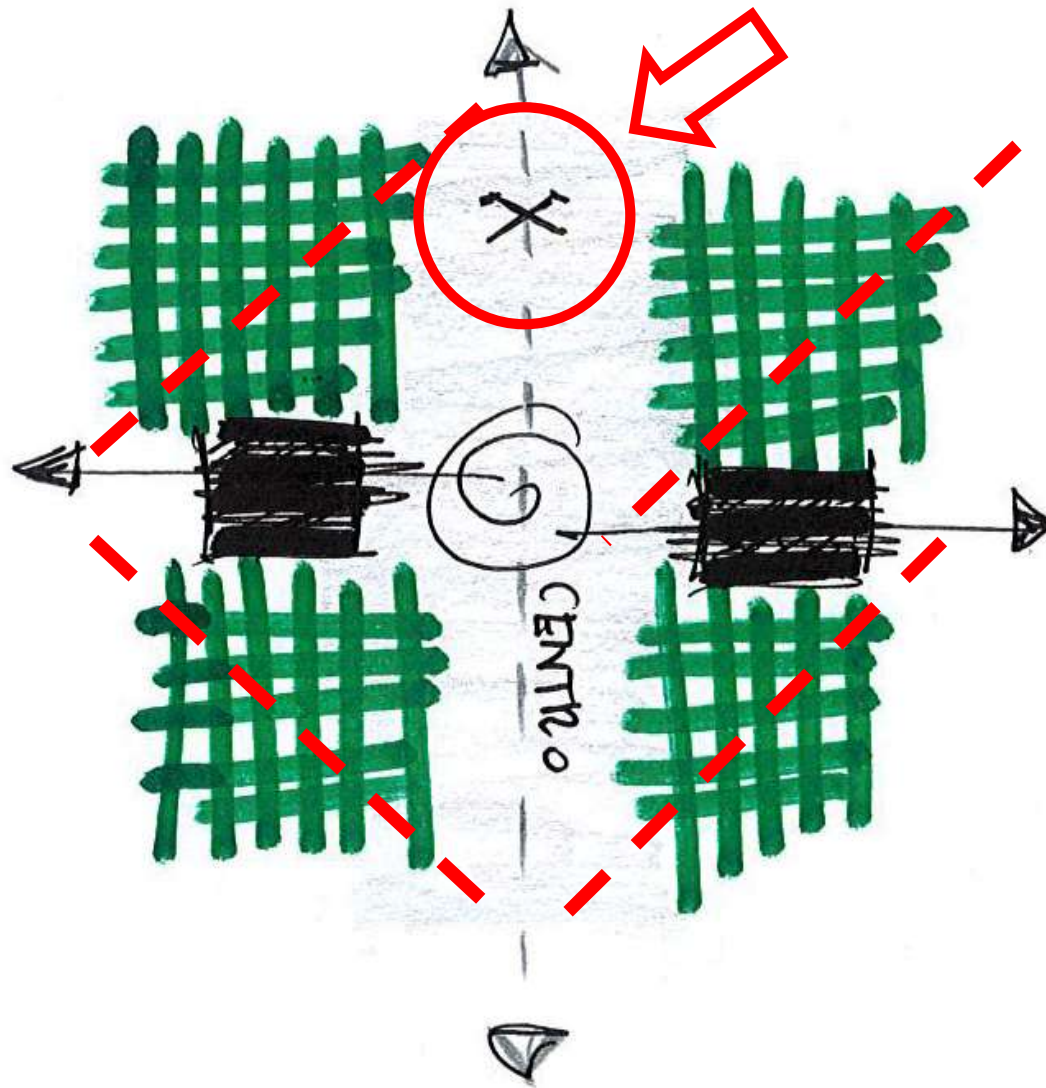


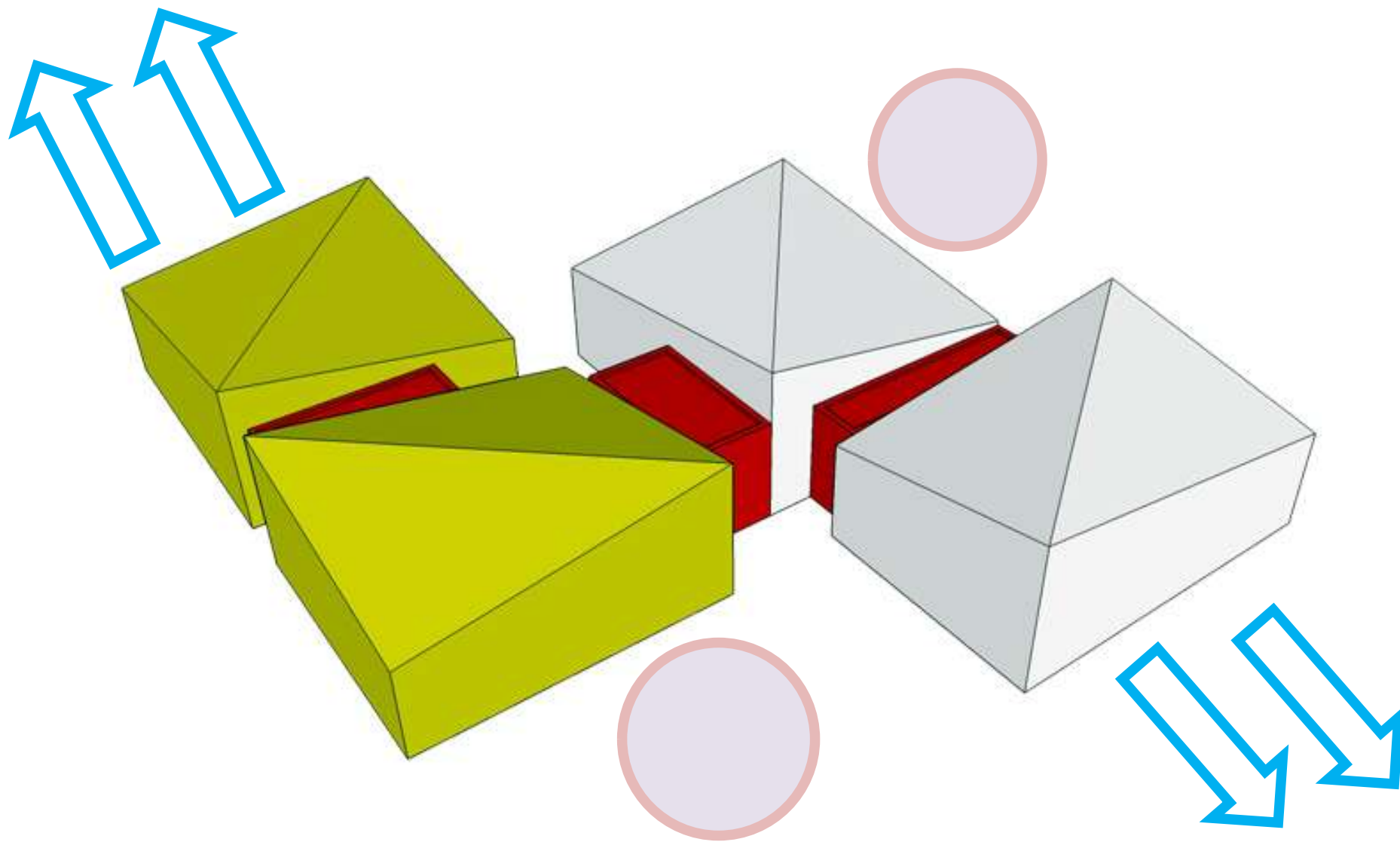


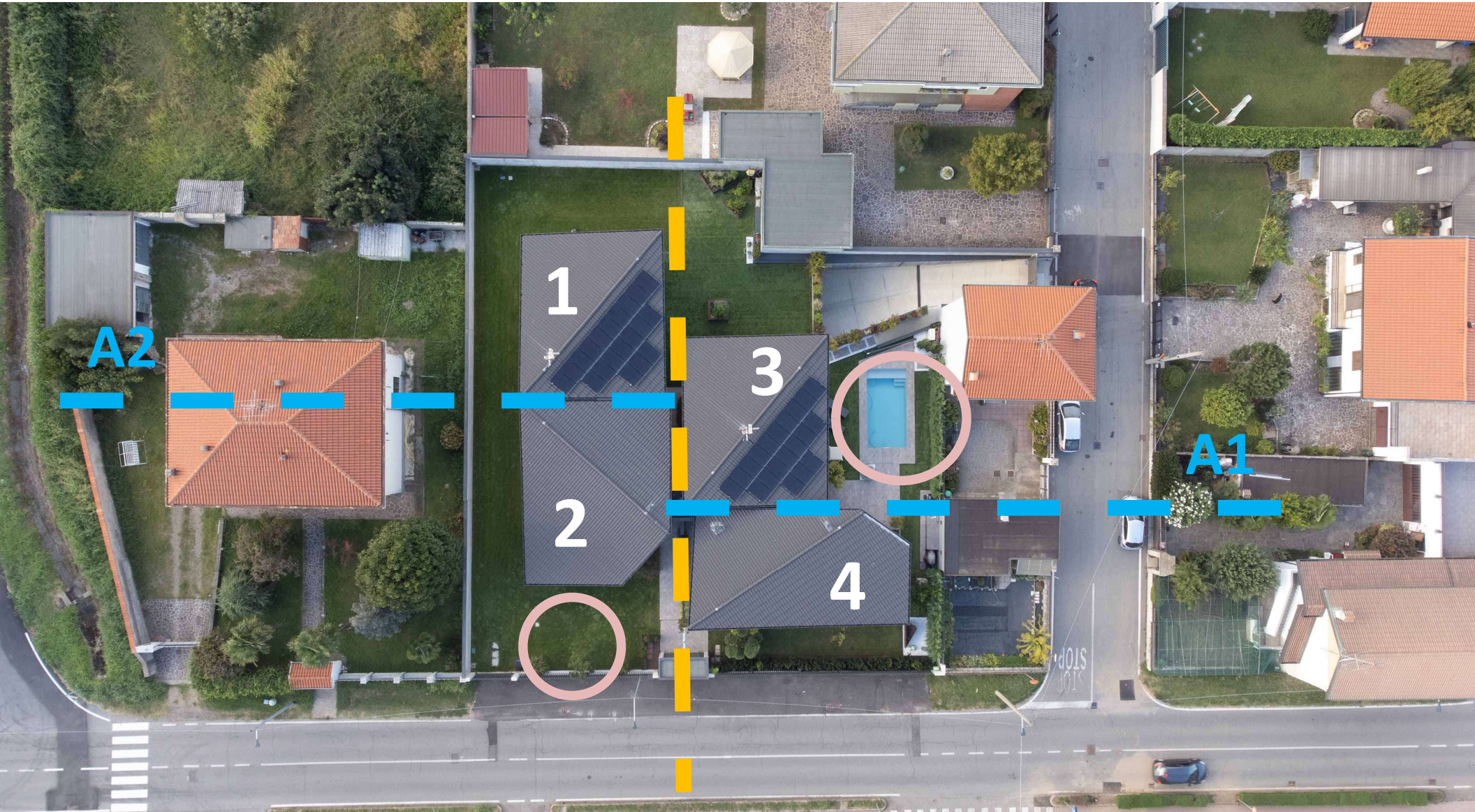






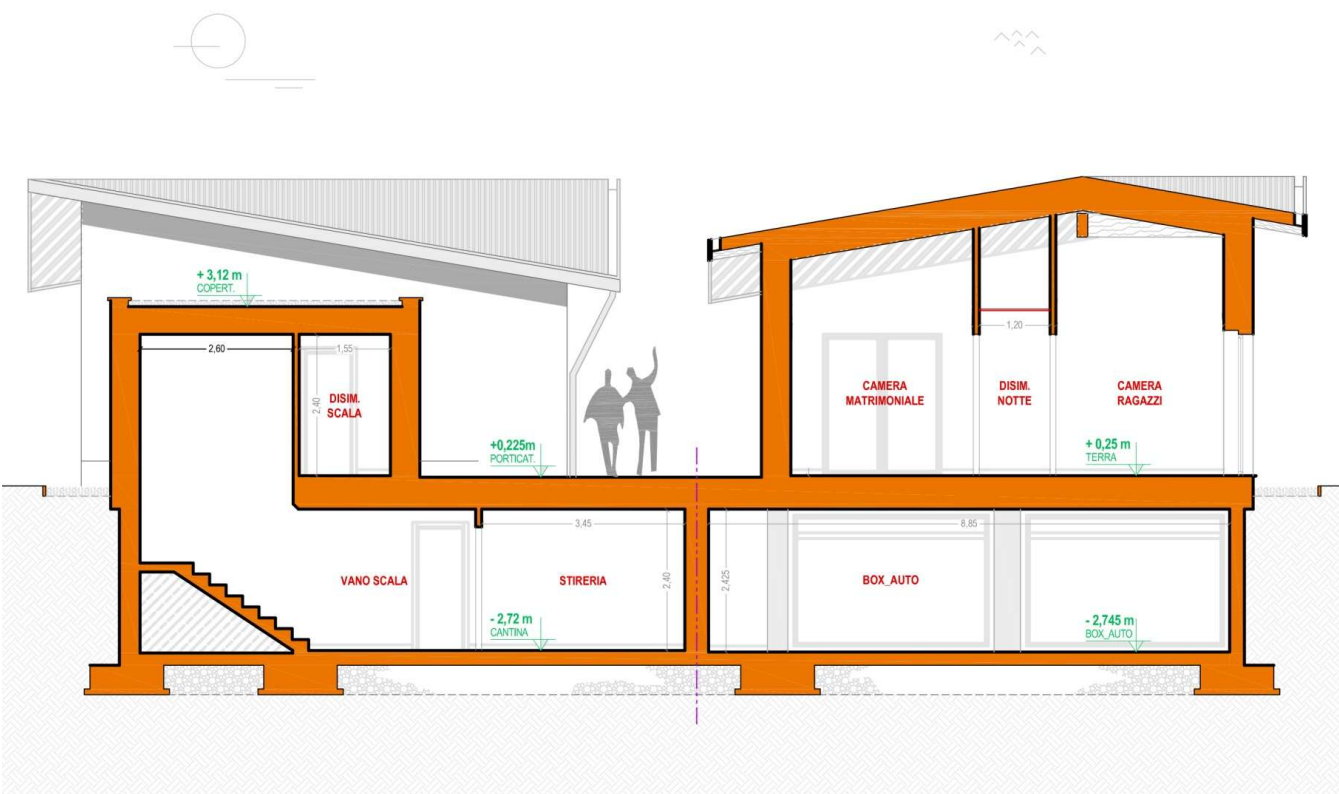








2X2MARCONI | Inveruno MI
foto @ dario scalco



INVOLUCRO EDILIZIO

- semplicità

*progettazione / pochi materiali /
posa in opera /*

- performance

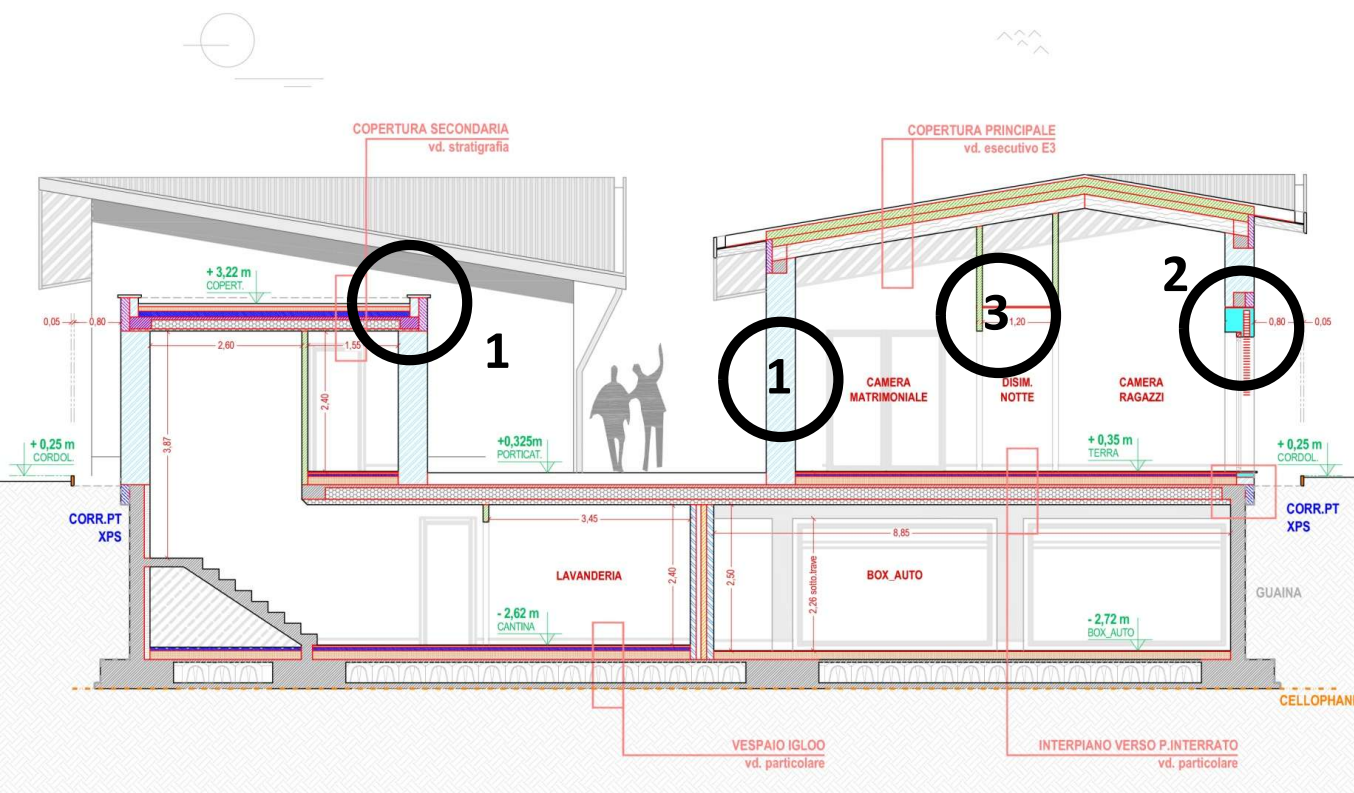
*resistenza termica / tenuta aria &
acqua / sicurezza*

- inerzia

*trasmissione periodica / sfasamento
/ fattore attenuazione*

- confort indoor

*temperatura superficiale / potere fo-
noisolante / risposta impianto / aria*



INVOLUCRO EDILIZIO

1a . muratura monostrato

1b . correzione Pt

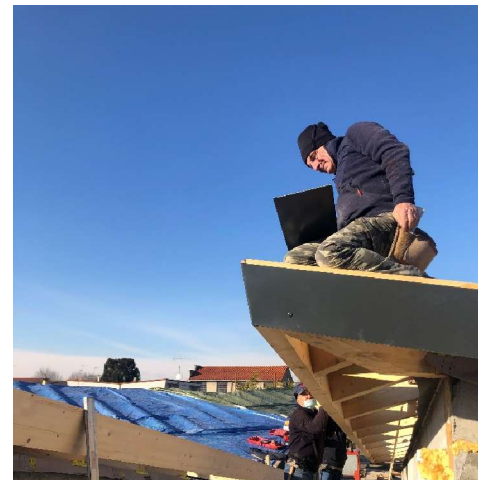
2 . nodo falso / muratura

3 . tramezzature & impianti

fasi di cantiere



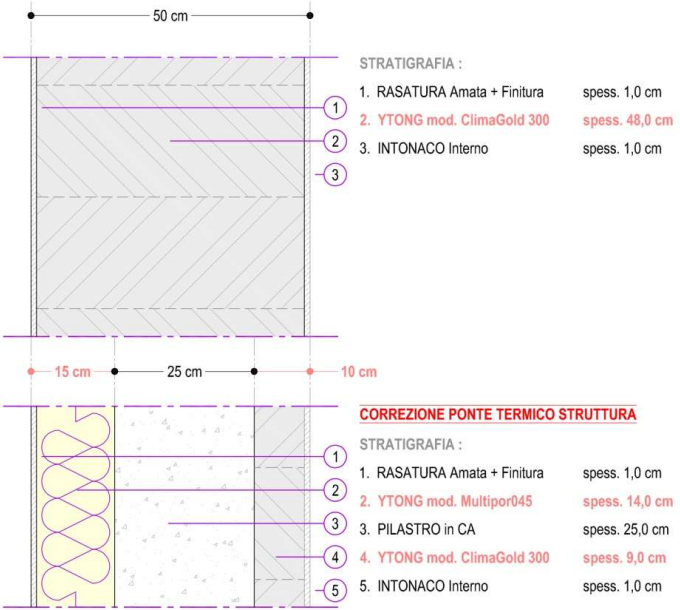
fasi di cantiere



studiogiola

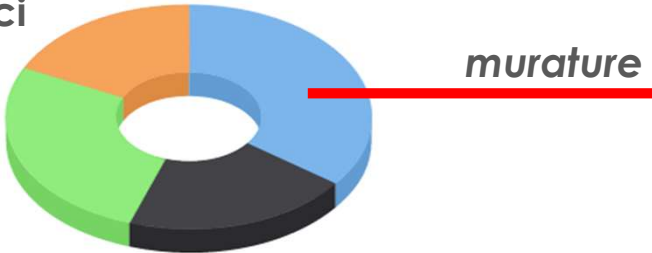
muratura monostrato

M1 - 50,0 cm - Tamponamento Perimetrale



scambi termici
[W/K]

involucro
totale



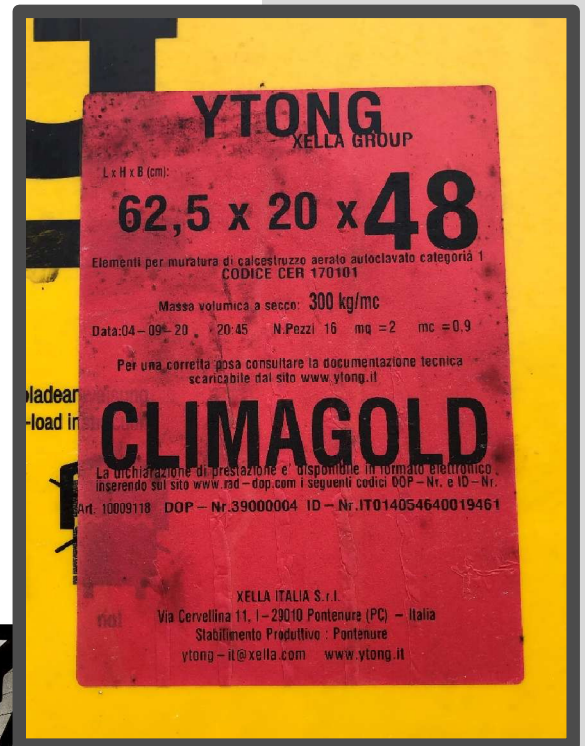
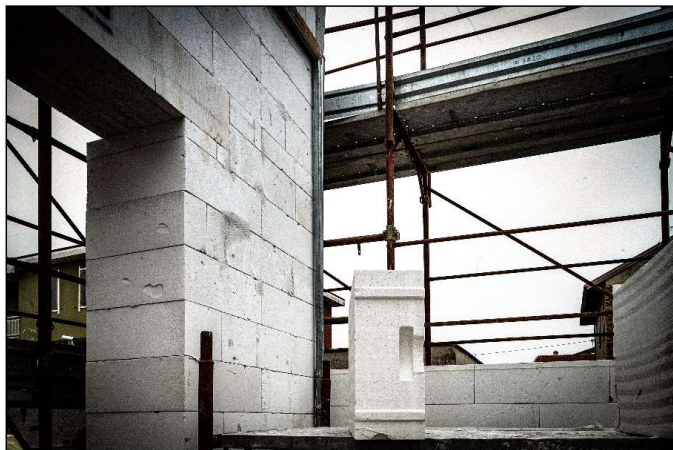
partenza +
tracciamento



prime file



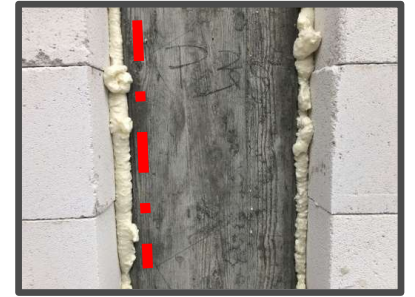
muratura monostrato



muratura monostrato

sistema costruttivo

giunto elastico



correzione pt



studiogiola



muratura monostrato



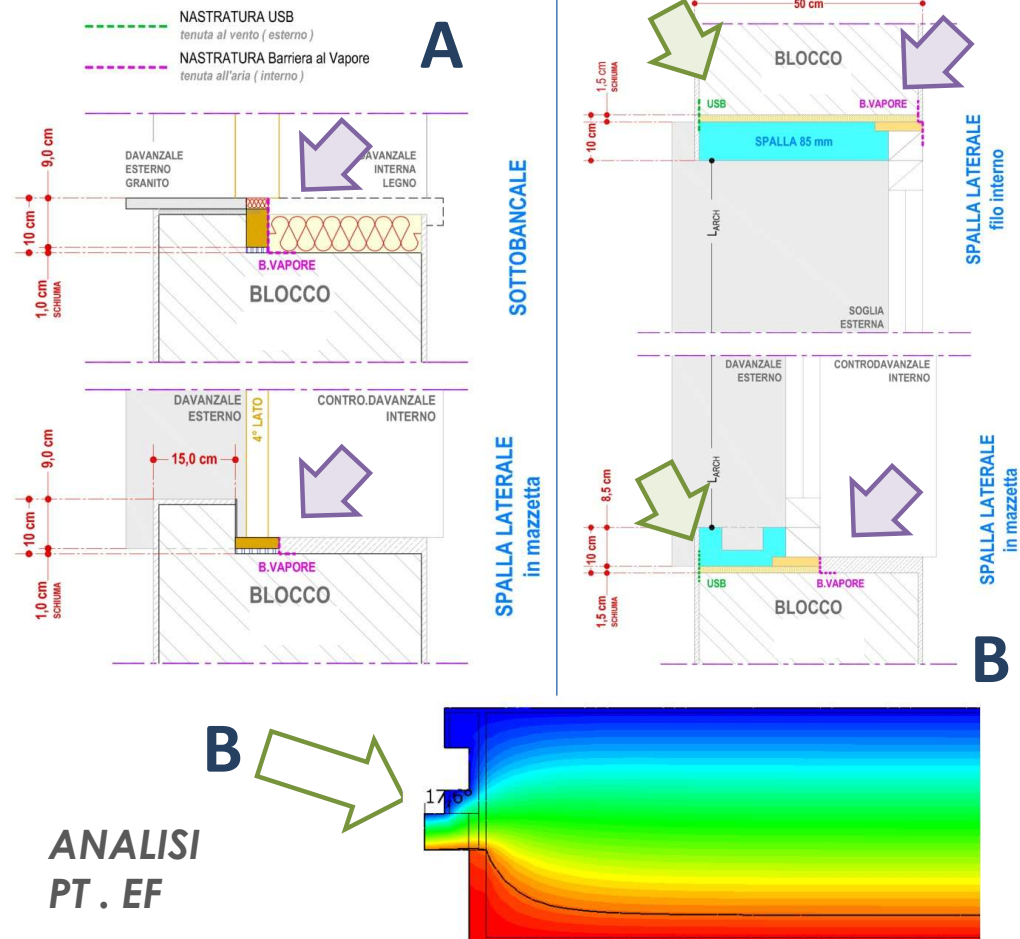
tenuta all'aria



lavorabilità



falso telaio / muratura



01



02



03



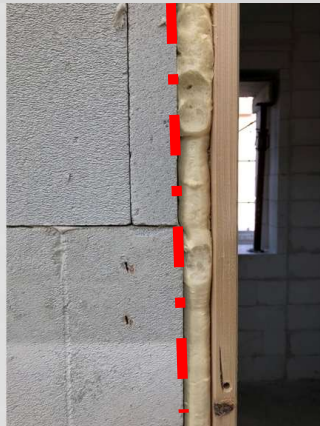
tramezzi & impianti

partenza + tracciamento

pulizia



falsi porte interne



finitura esterna / interna





2X2MARCONI | Inveruno MI
foto @ luca domenico calcaterra



2X2MARCONI | Inveruno MI
foto @ luca domenico calcaterra



2X2MARCONI | Inveruno MI
foto @ luca domenico calcaterra

Xella Reference Book

RifareCasa - 01.2024

Giornale Termotecnico - 12.2020

ZCasa | Cuggiono MI

progetto architettonico . **Studio GIOLA | GIOLA Marco**

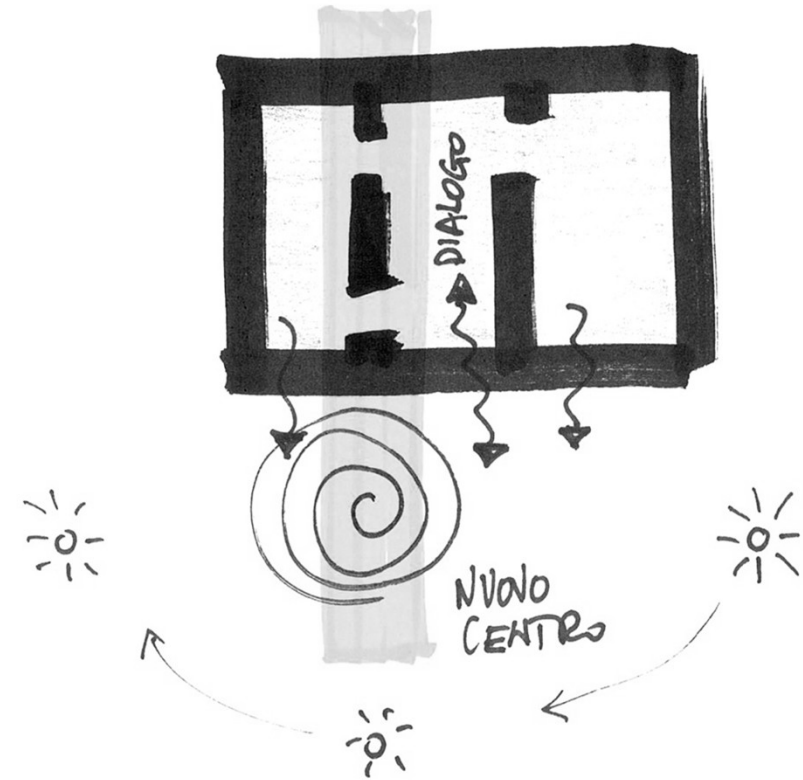
progetto strutture e sicurezza . **Studio GIOLA | CHINOSI Valentina**

impresa esecutrice . **EDIL.BA. Edilizia di Balzarotti Srl**

impianto termo_idraulico . **EMMEDI Termoidraulica Snc**

impianto elettrico . **FA ELETTRONICA Snc**

serramenti e schermature . **ISOALL Srl**

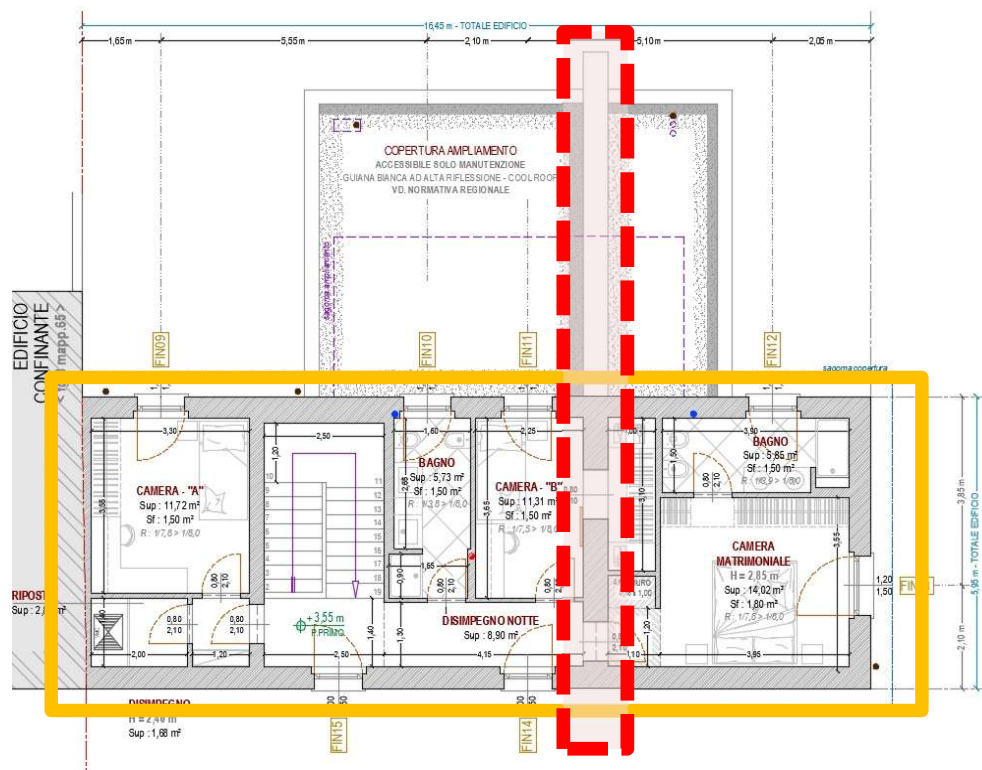
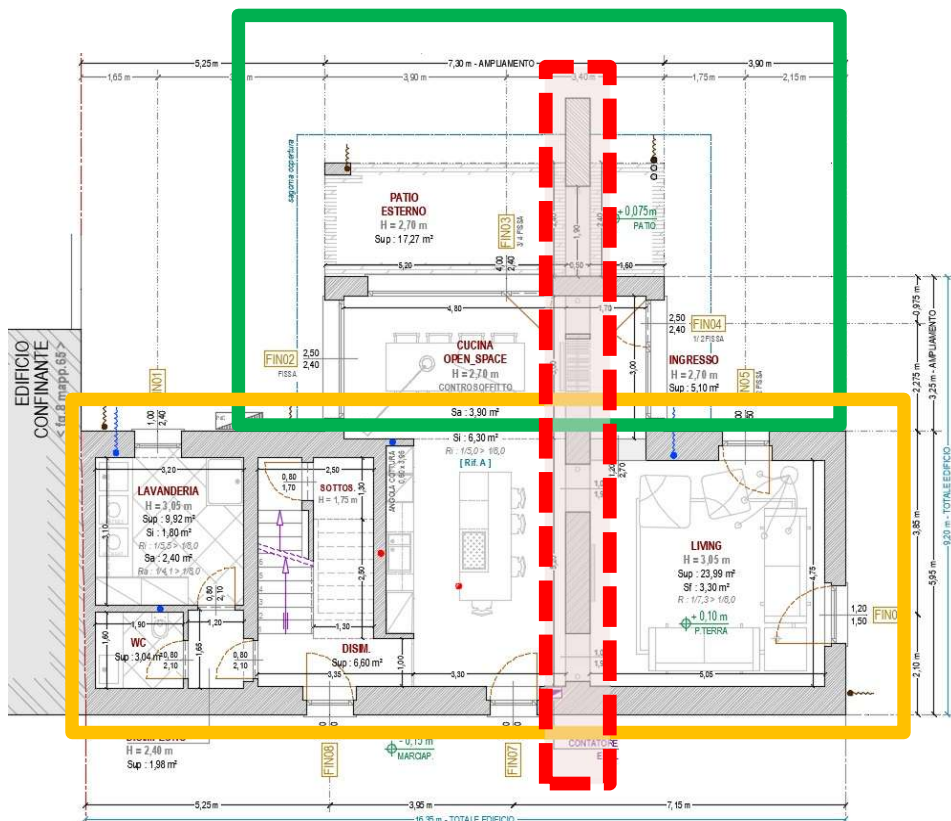
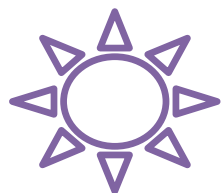




ZCasa | Cuggiono MI
foto @ studio giola



ZCasa | Cuggiono MI
foto @ studio giola





ZCasa | Cuggiono MI
foto @ studio giola



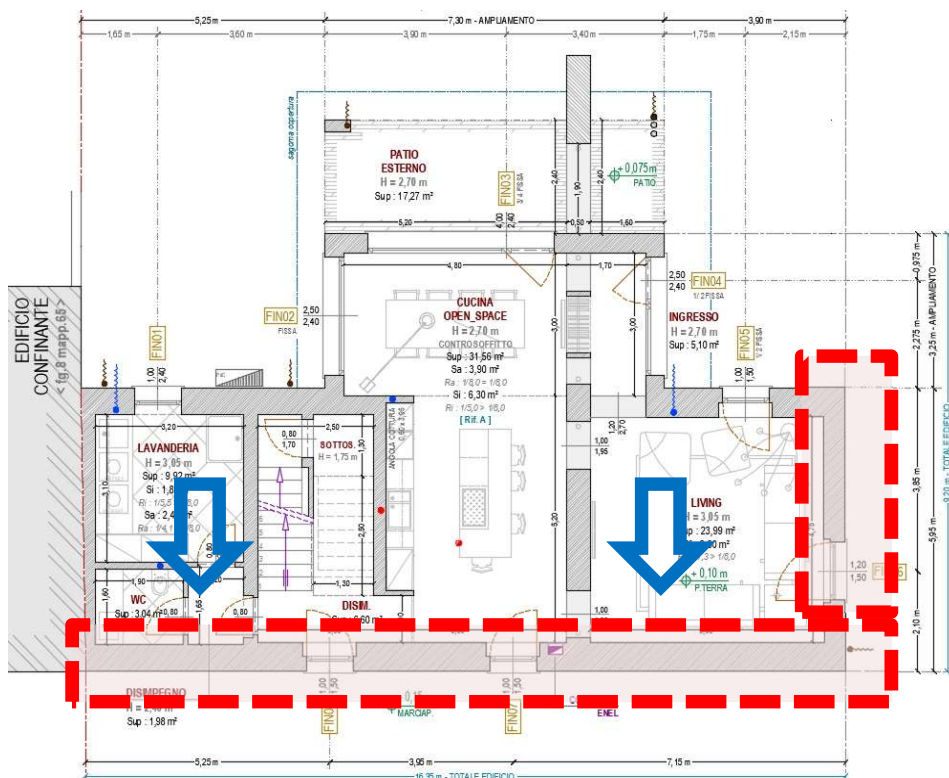
ZCasa | Cuggiono MI
foto @ studio giola



ZCasa | Cuggiono MI
foto @ luca domenico calcaterra

isolamento interno minerale

Studio GIOLA | Casorezzo MI



permabile al vapore

assenza barriera vapore

effetto inibente funghie e batteri

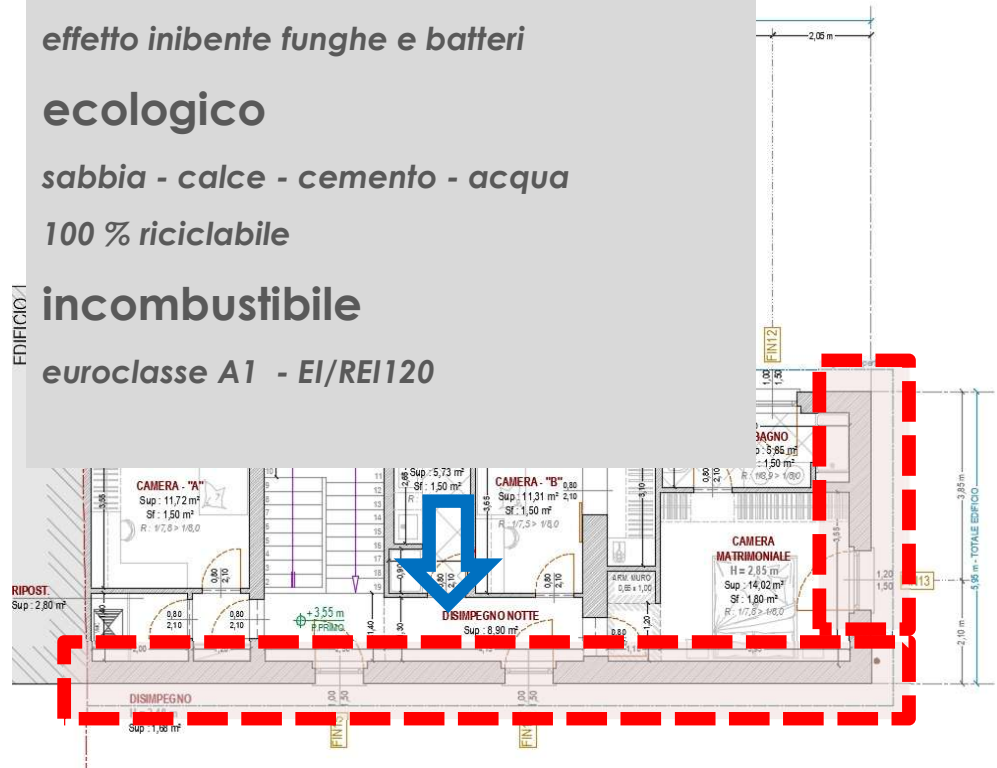
ecologico

sabbia - calce - cemento - acqua

100 % riciclabile

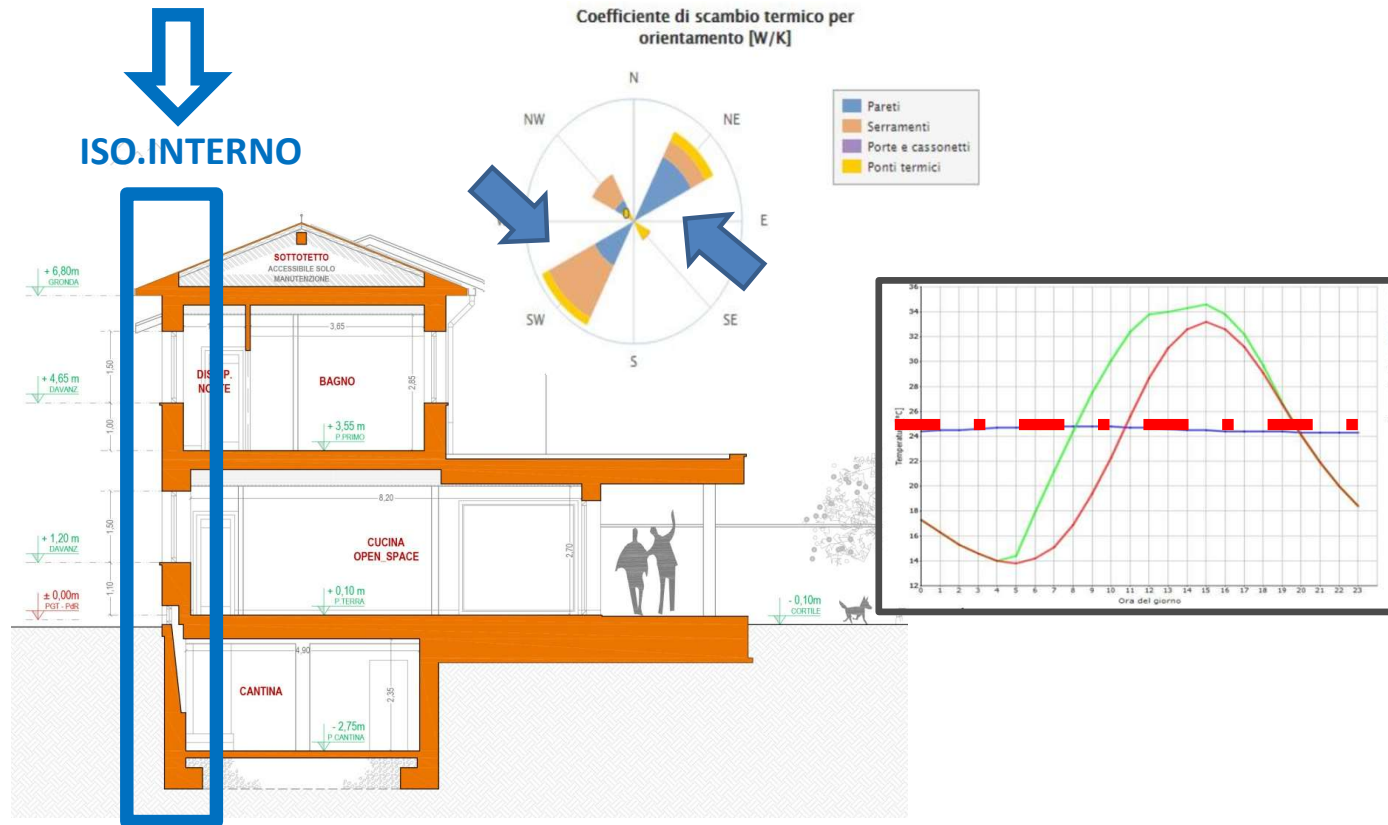
incombustibile

euroclasse A1 - EI/REI120



studiogiola

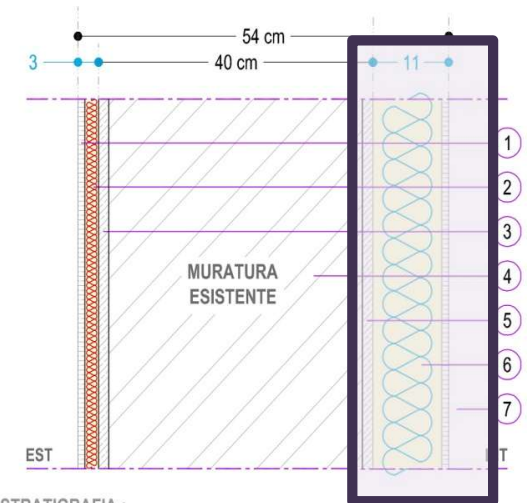
isolamento interno minerale



Studio GIOLA | Casorezzo MI

M2/a - 53,0 cm - Cappotto Esterno + Interno

MURATURA PERIMENTRALE ESISTENTE 40 cm

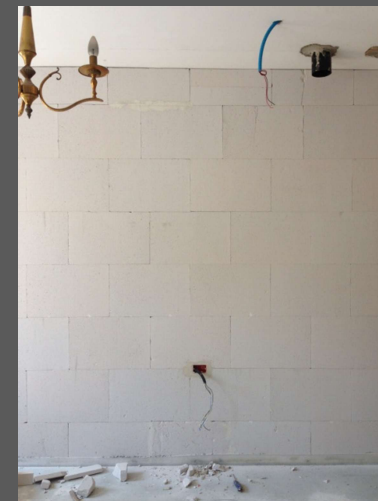


STRATIGRAFIA :

- | | |
|----------------------------------|----------------|
| 1. RASATURA Amata Cappotto | spess. 1,0 cm |
| 2. CAPPOTTO EPS100 + Grafite | spess. 2,0 cm |
| 3. INTONACO Esterno | spess. 2,0 cm |
| 4. MURATURA Mattoni Pieni | spess. 36,0 cm |
| 5. INTONACO Interno | spess. 2,0 cm |
| 6. CAPPOTTO - YTONG Multipor 042 | spess. 10,0 cm |
| 7. MALTA LEGGERA + Rete Armatura | spess. 1,0 cm |

esistente

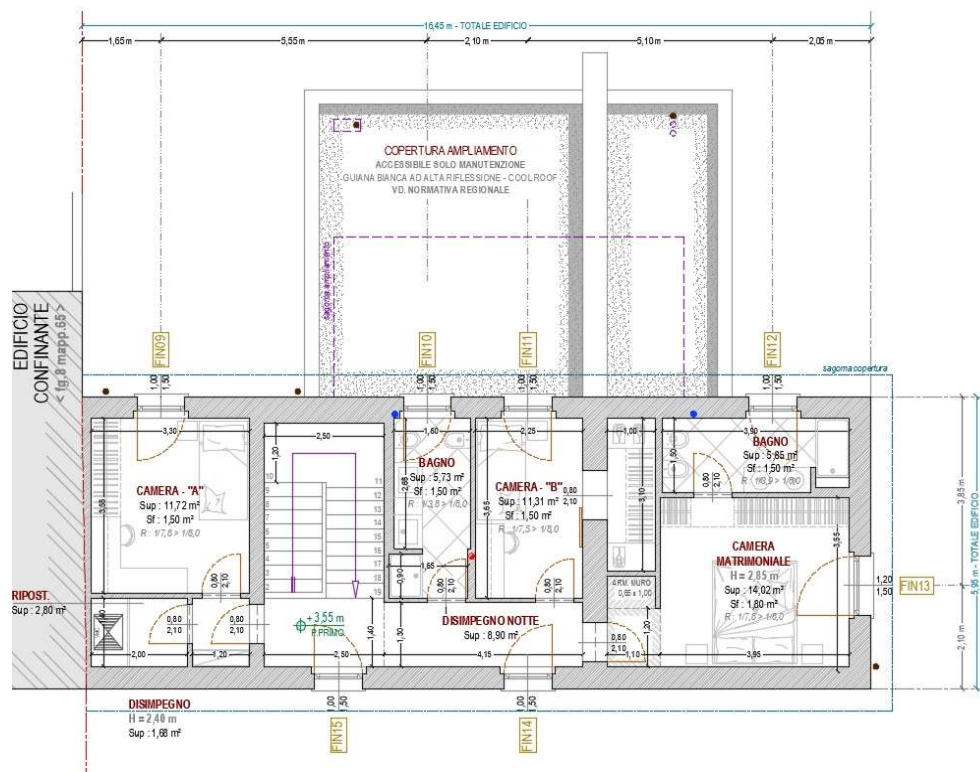
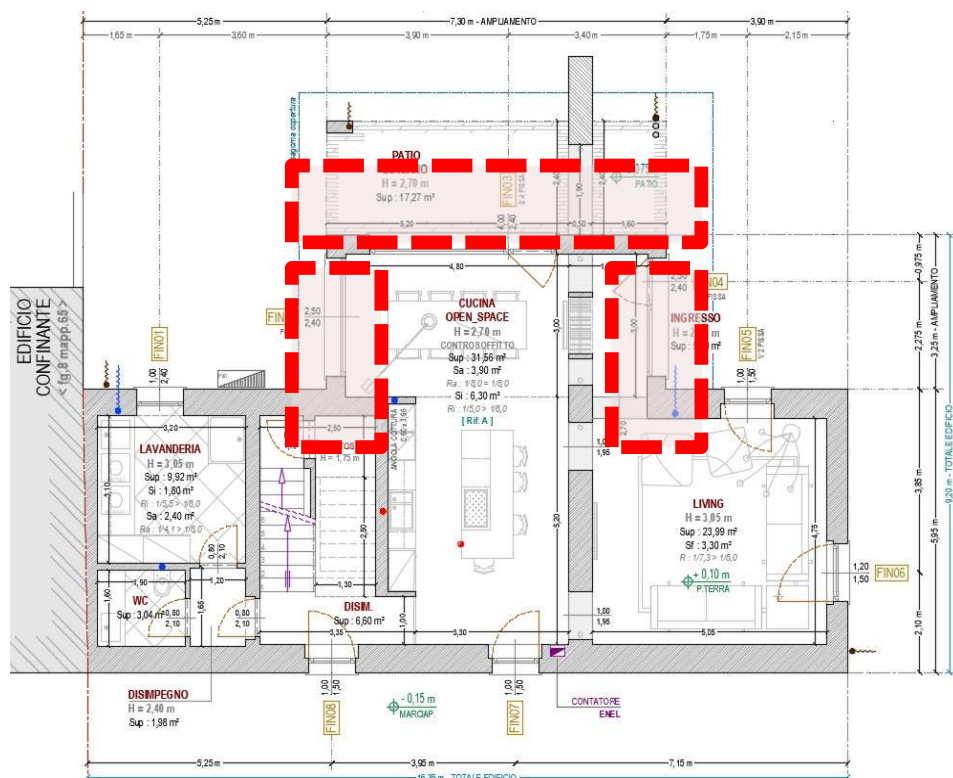
studiogiola





muratura cca

Studio GIOLA | Casorezzo MI

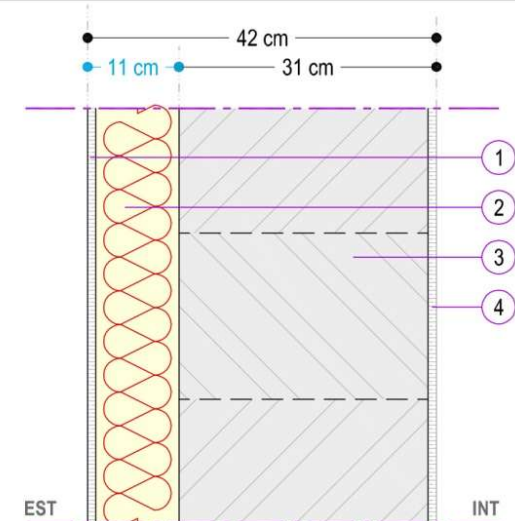
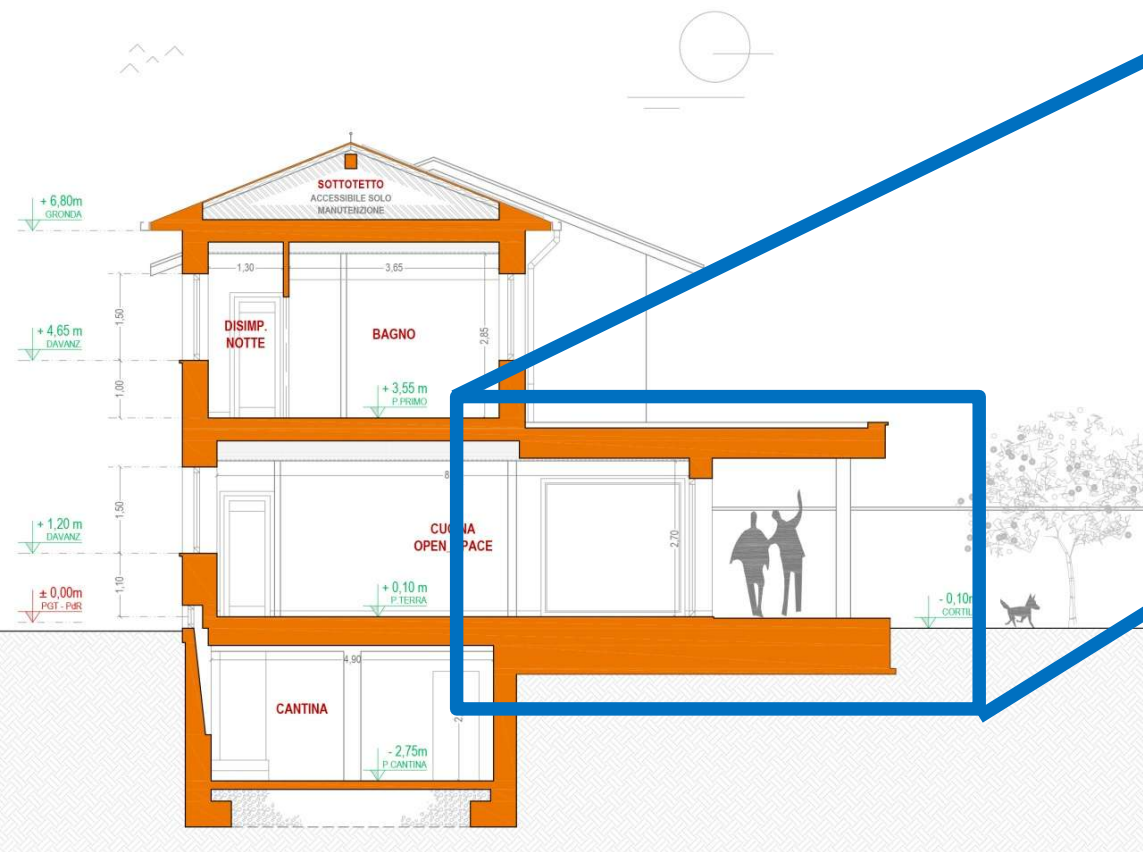


studiogiola

muratura cca + cappotto

Studio GIOLA | Casorezzo MI

M3 - 42,0 cm - Cappotto Esterno Ampliamento
NUOVO TAMPONAMENTO PERIMETRALE



STRATIGRAFIA :

- | | |
|--|----------------|
| 1. RASATURA Amata Cappotto | spess. 1,0 cm |
| 2. CAPPOTTO EPS100 + Grafite | spess. 10,0 cm |
| 3. YTONG mod. Thermo450 | spess. 30,0 cm |
| 4. RASATURA Amata + Finitura "a Gesso" | spess. 1,0 cm |

ampliamento

studiogiola



ZCasa | Cuggiono MI
drone @ dario scalco

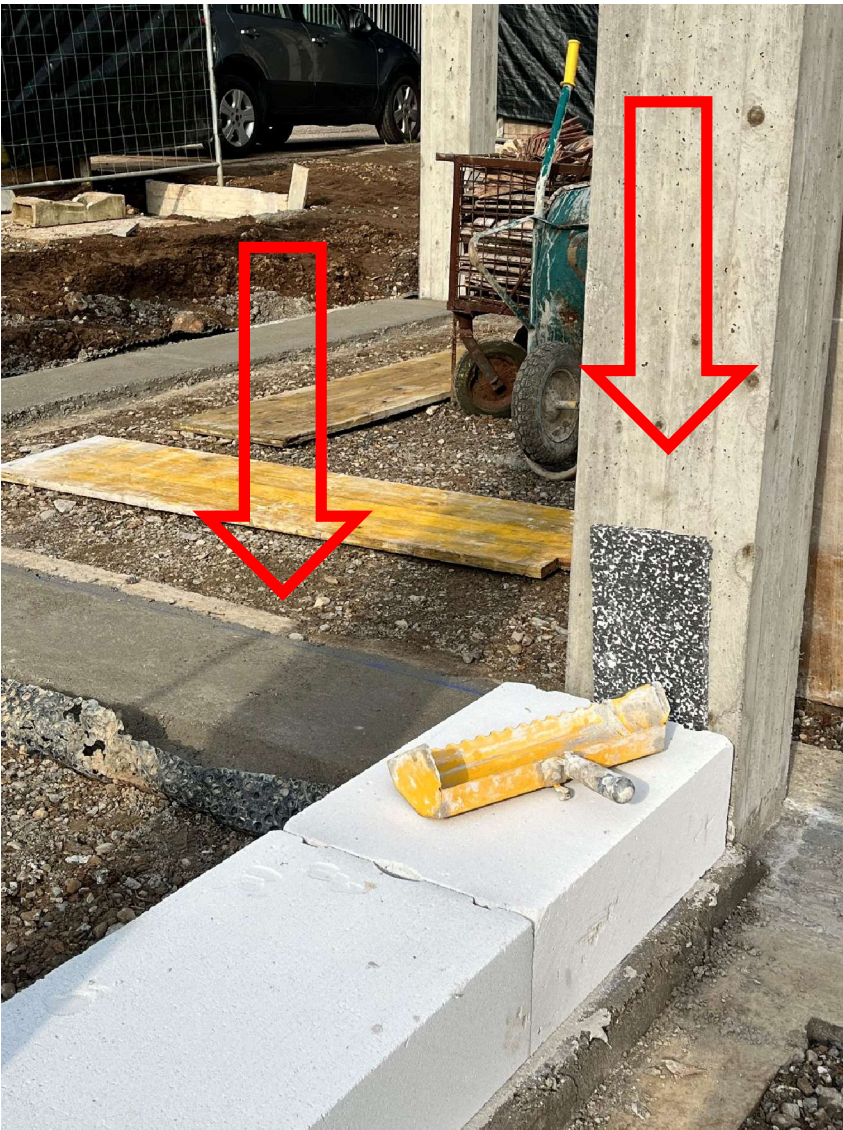


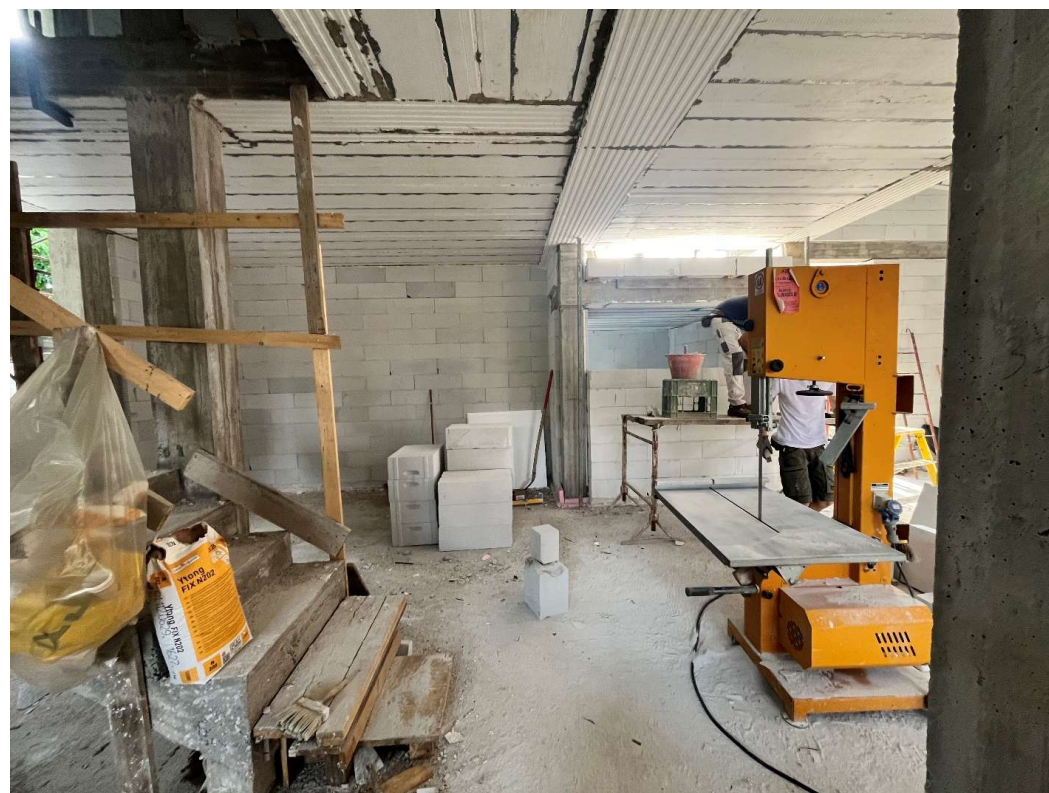
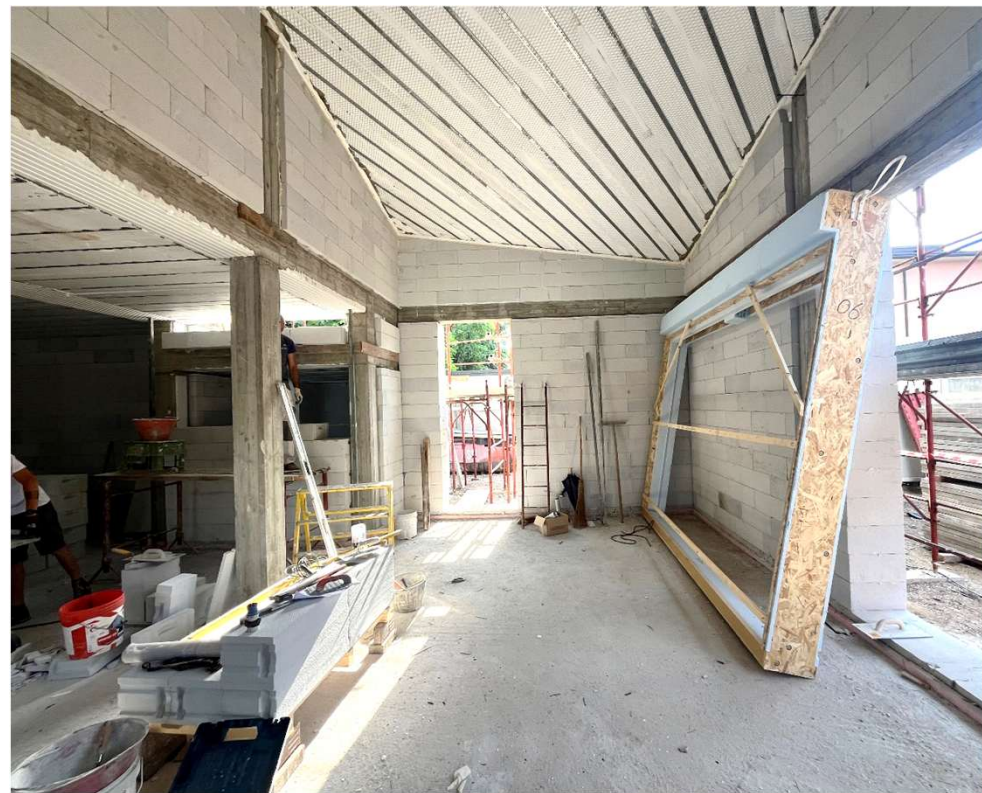
ZCasa | Cuggiono MI
foto @ luca domenico calcaterra

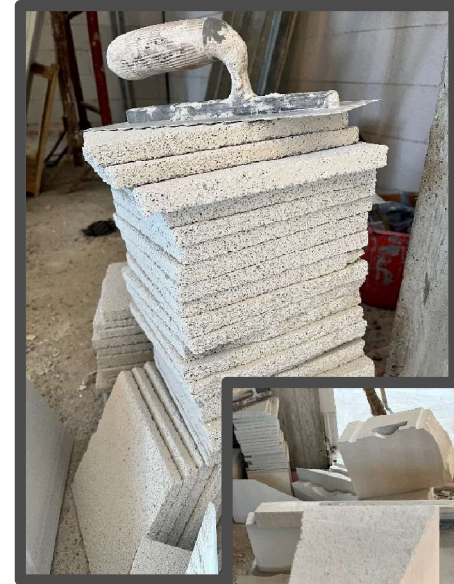
... in costruzione ...

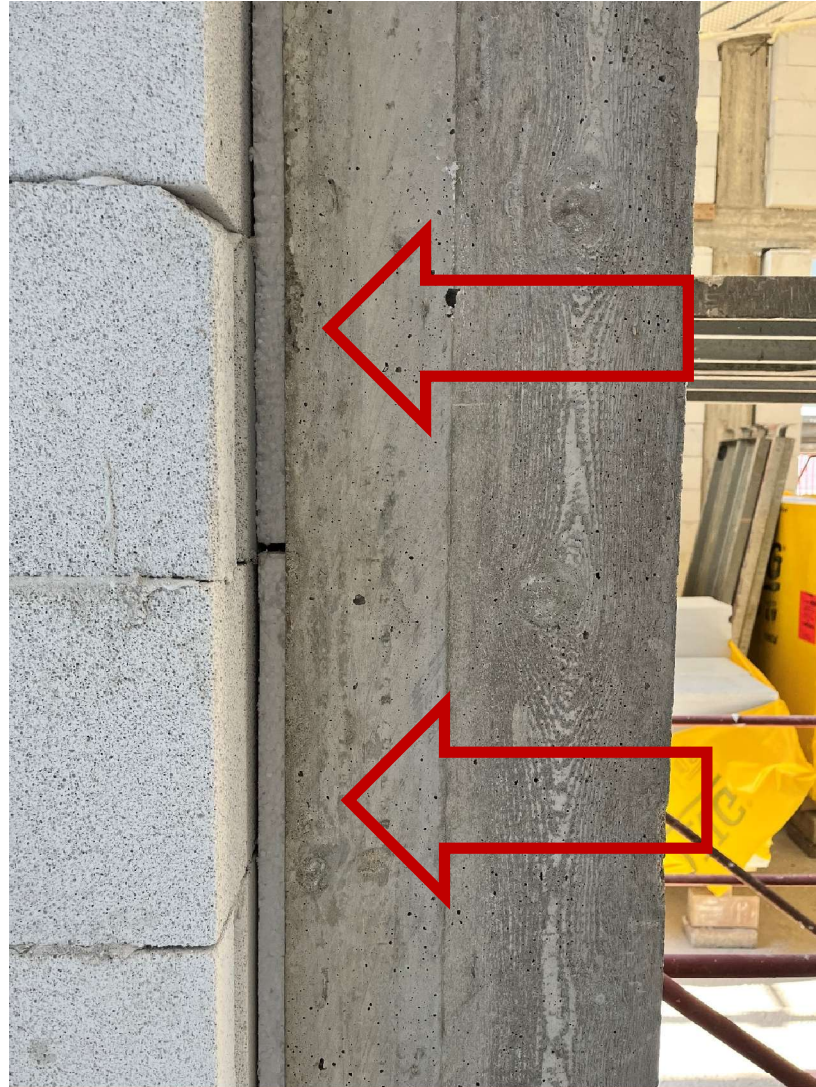


Villa.A.C | Casorezzo MI
render @ ATdesign









... in progettazione ...



Villa_MB | Inveruno MI
render @ ATdesign



B.linea | Robecco sul Naviglio MI
render @ ATdesign

studiogiola

... altre realizzazioni ...

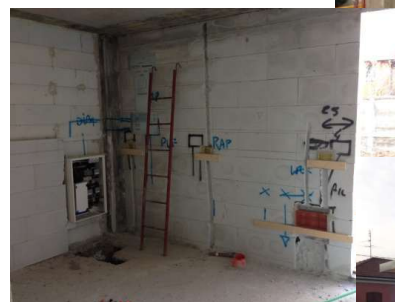


NOE4 - MONO3+4 | Busto Garolfo MI
 foto @ luca domenico calcaterra





due+1 | Casorezzo MI
foto @ luca domenico calcaterra





Villa A/S | Busto Garolfo MI
foto @ luca domenico calcaterra





100 alberi
Totale alberi piantati



0.05 ettari
Totale rimboschito

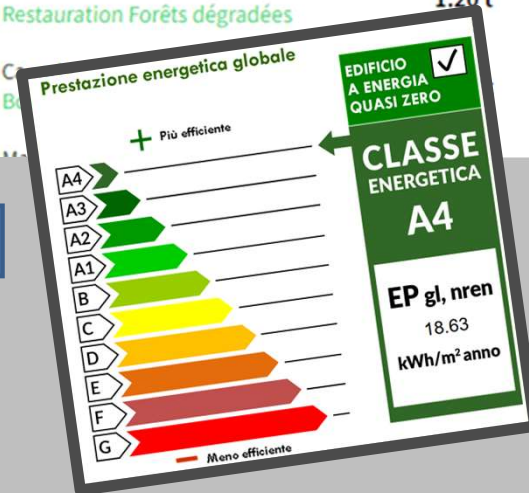
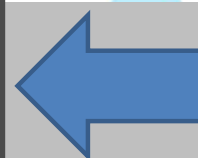


31.65 tonnellate
Totale CO2 assorbita

25 %	Thailand Conserve Natural Forests	25 alberi	19 %	Guinea Community Forest Sowing	0.010 ha	38 %	Thailand Conserve Natural Forests	11.91 t
25 %	Madagascar Eden Reforestation Projects	25 alberi	17 %	Nepal Eden Reforestation Projects	0.009 ha	21 %	Nepal Eden Reforestation Projects	6.80 t
10 %	India Trees for Tigers	10 alberi	16 %	Madagascar Eden Reforestation Projects	0.008 ha	17 %	India Trees for Tigers	5.40 t
9 %	Nepal Eden Reforestation Projects	9 alberi	9 %	Senegal Forest Garden Program	0.005 ha	4 %	Bolivia Amazon Windshields	1.40 t
8 %	Canada Boreal Forest Habitat Restoration	8 alberi	8 %	France Restauration Forêts dégradées	0.004 ha	4 %	France Restauration Forêts dégradées	1.20 t
5 %	Senegal Forest Garden Program	5 alberi	8 %	Canada Boreal Forest Habitat Restoration	0.004 ha	4 %	Canada Boreal Forest Habitat Restoration	1.20 t

**Piantiamo Alberi in
Grado di Assorbire la
Stessa Quantità di CO2**

EP _{gl,nren} kWh/m ² anno 46.68
Emissioni di CO ₂ kg/m ² anno 4.14

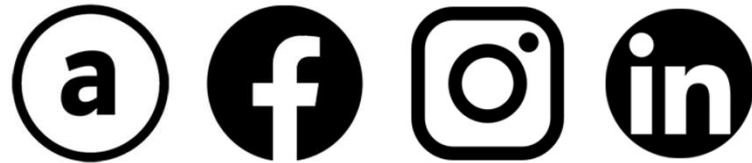


ForestaGIOLA - Tree Nation

<https://tree-nation.com/it/profilo/studio-giola-casorezzo-mi>



studiogiola.it



seguiteci sui nostri social