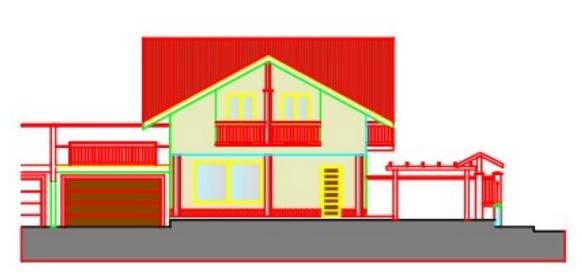


# SOLEDILCASE S.R.L.

# Specifications of finishes



VILLA SOLEDILCASE x-lam structure by Domus Trentina, PROJECT Geom. Saracco Bruno

### "VILLA SOLEDILCASE" PROJECT



### **Surveyor Saracco Bruno**

Via Lanzo 145 BORGARO T.SE (TO)

for the property located in the municipality of

BORGARO T.SE (TO)
Via Lanzo at the corner of Via America

### **PROPERTIES**

GENTLEMEN		





# La certificazione di qualità delle costruzioni in legno

ARCA è il primo sistema di certificazione per le costruzioni in legno. Il suo protocollo garantisce la durabilità, la sicurezza contro il sisma e il fuoco, il risparmio energetico, la sostenibilità, i materiali, la salubrità della tua casa in legno.







SOLERO DANTE S.A.S. BY SOLERO ROBERTO VAT 08740260016 VIA TORINO 64/E BORGARO T.SE (TO)

### Allegato al Certificato 1359-CPR-0734

Data di rilascio: 25.02.2021



Ambito di validità della certificazione per i seguenti gruppi di prodotti:

### HASSLACHER CROSS LAMINATED TIMBER

Elementi di costruzione in legno massiccio a forma di pannello per strutture portanti in fabbricati

Struttura:

realizzato almeno in tristrato,

con tavole lamellari incollate ed incrociate a 90° fra loro,

3 - 11-strati

Spessore dell'elemento:

57 - 360 mm

Dimensioni dell'elemento

max. 4,0 x 20,0 m

(larghezza x lunghezza): Classi di servizio:

1, 2

Specie legnosa:

PCAB - Abete rosso/ ABAL - Abete bianco:

PNSY - Pino silvestre, LADC - Larice

Classi di resistenza

- CL26E11.8

C24/T14

- CL36E14.7

Strato superiore C40/T26Strato interno C24/T14

Collante - giunzione a coda di rondine:

Tipo I: MUF secondo EN 301

Collante - incollaggio tra gli strati:

Tipo I: MUF secondo EN 301



Gemäß der Verordnung (EU) Nr. 305/2011 des Europäischen Parlaments und des Rates vom 9. März 2011 (Bauproduktenverordnung - CPR), gilt dieses Zertifikat für das Bauprodukt

### Brettschichtholz Balkenschichtholz

gemäß der im aktuellen Anhang zu diesem Zertifikat dargelegten Produktspezifikation hergestellt durch die

# Firma WEINBERGER-ABTENAU GMBH Schratten 44 AT-5441 Abtenau

und hergestellt im Herstellerwerk

### AT-5441 Abtenau, Schratten 44

Dieses Zertifikat bescheinigt, dass alle Vorschriften über die Bewertung und Überprüfung der Leistungsbeständigkeit beschrieben im Anhang ZA der harmonisierten Norm

### EN 14080:2013

entsprechend System 1 für die in diesem Zertifikat angeführten Leistungen angewendet werden und dass das Bauprodukt alle darin vorgeschriebenen Anforderungen für diese Leistungen erfüllt.

Zertifikatsnummer: 1359-CPR-0591 Datum der Erstausstellung: 23.12.2014 Datum der Ausstellung: 19.11.2015

Dieses Zertifikat bleibt gültig, solange sich die in der harmonisierten Norm genannten Prüfverfahren und/oder Anforderungen der werkseigenen Produktionskontrolle zur Bewertung der Leistungen der erklärten wesentlichen Merkmale nicht ändern und das Bauprodukt und die Herstellbedingungen im Werk nicht wesentlich geändert werden oder bis es von der Produktzertifizierungsstelle ausgesetzt oder zurückgezogen wird.

Die Gültigkeit des Zertifikats ist unter www.holzforschung.at zu überprüfen.

Laus

DI Bernhard Kraus Zeichnungsberechtigter



Dr. Manfred Brandstätter
Leiter der Zertifizierungsstelle

HOLZFORSCHUNG AUSTRIA - ÖSTERREICHISCHE GESELLSCHAFT FÜR HOLZFORSCHUNG ZVR 850936522 A-1030 Wien, Franz Grill-Straße 7 Tel +43-1/798 26 23-0 Fax +43-1/798 26 23-50 hfa@holzforschung.at www.holzforschung.at



SOLERO DANTE S.A.S. BY SOLERO ROBERTO VAT 08740260016 VIA TORINO 64/E BORGARO T.SE (TO)

### Anhang zum Zertifikat 1359-CPR-0591

Datum der Ausstellung: 19.11.2015



### Geltungsbereich der Zertifizierung für folgende Produktgruppen:

**BRETTSCHICHTHOLZ** 

Holzart/ Festigkeitsklassen: PCAB - Fichte/ ABAL - Tanne

GL 24h, GL 24c, GL 28h, GL 28c, GL 30h, GL 30c GL 32h, GL 32c gem. EN 14080

Festigkeitswerte: gem. EN 14080 Nutzungsklassen: NK 1, NK 2, NK 3

Klebstoff:

- Keilzinkung Typ I: PUR gemäß EN 15425

- Flächenverklebung: Typ I: PUR gemäß EN 15425

Brandverhalten: D-s2, d0

Formaldehydklasse: E1

natürliche Dauerhaftigkeitsklasse: gemäß EN 350-2

BALKENSCHICHTHOLZ

Holzart/Festigkeitsklasse: PCAB - Fichte, ABAL - Tanne:

C 24

Festigkeitswerte: gem. EN 338
Nutzungsklassen: NK 1, NK 2
max. Dimension: 280 x 280 mm

Klebstoff:

Keilzinkung
 Flächenverklebung:
 Typ I: PUR gemäß EN 15425
 Typ I: PUR gemäß EN 15425

Brandverhalten: D-s2, d0 Formaldehydklasse: E1

natürliche Dauerhaftigkeitsklasse: gem. EN 350-2







Organismo Notificato N. 0672

### Certificato di costanza delle prestazioni

N. 0672-CPR-0633

In conformità al Regolamento 305/2011/EU del Parlamento Europeo e del Consiglio del 9 marzo 2011 (Regolamento Prodotti da Costruzione o CPR), questo certificato si applica al

prodotto da costruzione:

legno lamellare incollato fino alla classe GL 28h

fabbricato da o per:

JSC "Sokol Timber Company"

Lugovaya str. 1

162132 Sokol, Vologodskaya oblast

Russische Föderation

e fabbricato nello stabilimento di produzione:

162132 Sokol, Vologodskaya oblast

Russische Föderation

Questo certificato attesta che tutte le disposizioni riguardanti la valutazione e la verifica della costanza della prestazione e le prestazioni descritte nell'

allegato ZA

della norma:

EN 14080:2013

nell'ambito del sistema:

sono applicati e che il prodotto soddisfa tutti i requisiti prescritti di cui sopra.

Questo documento contiene una pagina, è stato emesso per la prima volta il 20.06.2016 e ha validità sino a che i metodi di prova e/o i requisiti del controllo della produzione in fabbrica stabiliti nella norma armonizzata (di cui sopra), utilizzati per valutare la prestazione delle caratteristiche dichiarate, non cambino, e il prodotto e le condizioni di produzione nello stabilimento non subiscano modifiche significative.



Stuttgart, 16.02.2017

Leitender Akademischer Direktor Dr. S. Aicher Capo d'organismo di certificazione



Materialprüfungsanstalt Universität Stuttgart • Notifizierte Stelle Nr. 0672 • Pfaffenwaldring 32 • 70569 Stuttgart • Germania



### **SUMMARY**

1 - BUILDING SUMMARY
2 - REINFORCED CONCRETE STRUCTURE
3 - WOODEN SUPPORTING STRUCTURE
4 - THE EXTERNAL WALL, STRATIGRAPHY AND DETAILS
5 - THE EXTERNAL FACADES
7 - THE NON-LOAD-BEARING INTERNAL WALL
8 - THE EXPOSED ROOF, STRATIGRAPHY AND DETAILS
10 - PRE-PAINTED ALUMINIUM SHEET METAL
11 - WINDOWS AND FRENCH DOORS RECYCLABLE PVC
13 - FRONT DOOR
14 - SUN SCREENS AND MOSQUITO NETS
15 - INTERNAL DOOR
16 - DESIGN OF THE HEATING AND SANITARY SYSTEM
17 - ELECTRICAL SYSTEM AND ACCESSORIES
18 – 4.5 KW PHOTOVOLTAIC SYSTEM AND ACCESSORIES
19 - FLOORS
20 - SANITARY
21 - PLANTS
22 - AMOUNT OF BENEFITS



Dear Sirs,

With the following quote we would like to apply to be the builders of your house. We are aware and proud of the great trust you are entrusting us, we will carry out this task with precision and seriousness.

- Each technical choice (materials supplied/their thickness) will be discussed and shared in the preliminary phase in collaboration with the Designer and the DL.

### 1. SUMMARY

PROJECT MEASUREMENTS AND CHARACTERISTICS SUPPLY SQM	125.0
Gross living area	135,0
Surface portici	
Surface terrazzi	14.2
Surface area balconi	11.7
Garage/low building area	69.0
Total commercial area sqm	182.5

- Gross surface area is understood as the sum of the surfaces on the various floors, measuring the area of the outer edge of the perimeter walls.
- Commercial area means the result of the sum of the gross area and the surfaces of the appurtenances, the latter calculated at 50%

N.B. The cost of the house is not calculated by multiplying the commercial area by a cost per square meter, but is the result of an in-depth metric calculation where all the quantities of material necessary for the construction of the building are recorded in the project.

- Height on the ground floor: 00.00 m

- Minimum height on the first floor: 00.00 m

N.B. in the case of a floor or roof with visible frame, the height measurement is taken on the external wall, from the floor to the intrados of the secondary beams.

The height of the building may vary if the thicknesses indicated in the architectural project differ from those shown above, it is the designer's responsibility to verify and report any problems deriving from this variation.



### 2. REINFORCED CONCRETE STRUCTURE

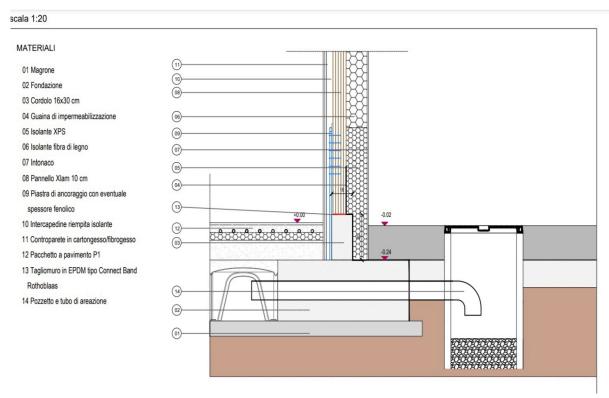
### DESCRIPTION OF THE REINFORCED CONCRETE BASE

Following the "Sofie System" of construction of wooden houses, we safeguard the house over time starting from the base.

<u>The support curb</u> of the wooden structure is made of reinforced concrete, <u>always higher than the finished floor and equipped with a <u>sheath system customized</u> every time for your New Project by Domus Trentina®.</u>

Continuous foundation, in reinforced concrete, resting on a first layer of 10cm thick lean with embedded electro-welded mesh, made on a base suitably vibrated and compacted, all in compliance with the data provided by the geologist in charge who will develop what was commissioned through a series of tests and coring that will determine the state of the soil at the various stratigraphies.

Waterproofing and insulation against the ground will take place according to the scheme indicated below and the ventilation provided for with the construction of the crawl space will be appropriately sized and arranged in such a way as to allow the air to circulate correctly.



• Ground attachment may vary depending on the executive studio. Domus Trentina-stratigraphy floor/wall.



### 3. WOODEN SUPPORTING STRUCTURE

### **DESCRIPTION OF THE X-LAM PANEL**



Our structural panel in X-Lam plywood spruce wood of variable thickness (as described in the static calculation) with an external layer of the non-visible type, with five crossed layers with perpendicular fibers, glued using "Purbond HB 110 glue". Technical drying 12%; Vapor diffusion sd 3.4 -6.8.

Included in the price is drilling for the formation of openings for doors, windows and plant installations, site drawings to be supplied to the D.L. before installation, hot-dip galvanized S355 fixing and stiffening plates and support plates, hold-down for resistance to tensile forces at the ends of the walls and at large openings, brackets for resistance to shear forces.

### Features:

product compliant with the European technical authorization ETA-06/0138.

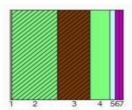
X-Lam solid wood panels are intended for use in service classes 1 and 2 in accordance with EN 1995-1-1 (Source: ETA-06/0138).



### 4. THE EXTERNAL WALL, STRATIGRAPHY AND DETAILS

### " ...in nature, when wood breathes it remains alive over time"

#### Descrizione struttura



1	INT	Rasante per cappotto NHL fibrato 3THERM UNICOAT P99
2	ISO	Lana di roccia 3therm PowerRock W90
3	LEG	Pannello X-Lam
4	ISO	Pannello in Iana vetro (densità 40 kg/m³)
5	INA	Camera non ventilata
6	VAR	Cartongesso in lastre
7	VAR	Cartongesso in lastre

	s [m]	ρ [kg/m³]	λ [W/mK]	c [J/kgK]	μ [-]	M <sub>s</sub> [kg/m²]	R [m²K/W]	S <sub>D</sub> [m]	a [m²/Ms]
	100	a situation for the same		and the same of the same of		8	0,04	Unit (mile)	
1	0,005	1400,0	0,470	1500,0	15,0	7,0	0,01	0,08	0,224
2	0,140	90,0	0,036	1030,0	1,0	12,6	3,89	0,14	0,388
3	0,100	500,0	0,130	1600,0	50,0	50,0	0,77	5,00	0,163
4	0,060	40,0	0,032	1046,0	1,0	2,4	1,88	0,06	0,765
5	0,016	1,0	0,092	1004,2	1,0	0,0	0,17	0,02	0,000
6	0,013	900,0	0,210	836,8	8,0	11,3	0,06	0,10	0,279
7	0,013	900,0	0,210	836,8	8,0	11,3	0,06	0,10	0,279
$\neg$							0,13		1

#### Elenco simboli

s Spessore

ρ Densità

λ Conduttività c Calore specifico

μ Fattore di resistenza al vapore M<sub>s</sub> Massa superficiale

Ms Massa superficiale R Resistenza termica

S<sub>D</sub> Spessore equivalente d'aria

a Diffusività

#### Parametri stazionari

Total wall thickness 350 mm

# Features: - The wall has no cellophane vapour barriers, ensuring natural breathability and excellent hygroscopicity to the advantage of internal comfort.

- The combination of the X-LAM panel and the rock wool panel gives a mass that allows excellent resistance to summer heat and winter cold.
- The quality of the timber used and its gluing allows the structure not to be damaged, in case of rain, during assembly on site.
- Rising damp through the foundations is blocked, in addition to our sheathing system, by the embossed MURODUR 030® panel with practically zero water absorption characteristics and compressive strength of 200 kPa.



### 5. THE EXTERNAL FACADES

For the construction of plastered external facades we have chosen the products of the 3Therm line which, in collaboration with Giovanazzi s.r.l. of Chizzola di Ala (TN), allows us to find the customized solution for each of our homes. Our goal is to guarantee durability, color fastness and maximum resistance to cracking.





### TECHNICAL DATA:

Resistance to mechanical stress: 15 Joules

Impact resistance: 60 Joules

### **FEATURES:**

- resistance to the proliferation of microorganisms (algae, fungi)
- maximum safety against cracks
- high mechanical resistance
- high resistance to atmospheric agents
- permeability to CO2 and water vapor
- -fireproof
- PVC corner protectors

### PREMIUM CHOICES:

- Dark colors in band C3
- Coplanar bands on window jambs, with a grain size of 1mm
- Wall weight fasteners

to be quantified to be quantified € 100+ vat per pc.



### 7. THE NON-LOAD-BEARING INNER WALL

LAYER	MATERIAL	THICK-
NESS		
1	plasterboard sheet	12.5 mm
2	plasterboard sheet	12.5 mm
3	steel frame	75 mm
	cavity with rock wool insulation	60 mm
4	plasterboard sheet	12.5 mm
5	plasterboard sheet	12.5 mm



Sample photo by Domus Trentina



### 8. THE EXPOSED ROOF, STRATIGRAPHY AND DETAILS







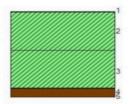
Photos of Domus Trentina

layer	material	thickness
1	Portuguese roof tiles to sample	80 mm approx.
2	tile holder strip	40/50 mm
3	ventilation strip	40/50 mm
4	RIWEGA breathable membrane	1 mm
5	Double-layer rock wool3Therm PowerRock	200 mm
6	RIWEGA vapour barrier screen	1 mm
7	Fir wood paneling	21 mm
8	Supporting structure in visible laminated wood	Approx. 200 mm

1



#### Descrizione struttura



1	IMP	Membrana traspirante USB PROTECTOR HEAD FH 240 RIWEGA
2	ISO	Lana di roccia 3therm PowerRock RT170
3	ISO	Lana di roccia 3therm PowerRock RT110
4	IMP	Schermo freno al vapore USB MICRO STRONG RIWEGA
5	LEG	Abete (flusso perpendicolare alle fibre)

	s [m]	ρ [kg/m³]	λ [W/mK]	c [J/kgK]	μ [-]	M <sub>s</sub> [kg/m²]	R [m²K/W]	S <sub>D</sub> [m]	a [m²/Ms]
2.5		USUS				Miles St. Comp. 1	0,04	- Table 1	
1	0,001	258,0	0,220	1700,0	108,0	0,2	0,00	0,10	0,502
2	0,100	170,0	0,038	1030,0	1,0	17,0	2,63	0,10	0,217
3	0,100	110,0	0,036	1030,0	1,0	11,0	2,78	0,10	0,318
4	0,001	217,0	0,220	1700,0	1887,0	0,2	0,00	2,00	0,596
5	0,022	450,0	0,120	2719,6	60,0	9,9	0,18	1,32	0,098
							0,10		1

#### Elenco simboli

- s Spessore
- ρ Densità
- λ Conduttività c Calore specifico
- μ Fattore di resistenza al vapore
- M<sub>s</sub> Massa superficiale
- R Resistenza termica S<sub>D</sub> Spessore equivalente d'aria
- a Diffusività

### Parametri stazionari

Spessore totale 0,224 m

Massa superficiale 38,4 kg/m²

Massa superficiale esclusi intonaci 38,4 kg/m²

Resistenza 5,74 m²K/W

Calcoli eseguiti con il software HYGROTHERM 4.0

### **TECHNICAL DATA:**

- total transmittance  $0.174~\mathrm{W/sqm}$ , an improvement of 49.43% compared to the minimum value indicated by the Piedmont region of  $0.26~\mathrm{W/sqmk}$ 

n.b. the Domus Trentina stratigraphies are customized and take into account the agreements made with the Customer, they include rock wool/wood fiber/cork insulation, the performance values indicated in the table are the basic package. The starting energy class is usually A4

**PAINTING: including exterior and interior.** It is possible to give an additional coat of paint at the end of the work not included in the estimate.

**NOTE:** wood is a natural material and therefore not homogeneous: even two elements of the same wood can never be identical to each other. Wood is a photosensitive material, which is why it undergoes the process of natural color variation following exposure to air and light due to ultraviolet rays. This discrepancy characterizes the different grains of the wood, thus enhancing its beauty and are considered tolerable.



### A) EXTRA SPECIFICATIONS, CHIMNEY ACCESSORY G-ZERO

Chimney with Gzero certificate from ground to roof (zero distance from flammable material).

- Inner diameter 200 mm
- Block size 38x54
- chimney, smoke duct and blocks in ceramic material
- Resistant to fire and soot
- 30 year warranty

### B) ACCESSORIES FOR A FUOX WOOD OR PELLET STOVE





\*Images by Fuox

- Wood or pellet stove that can be customized according to your tastes (shapes and colors), to create a unique handcrafted product in the world.

### -FEATURES:

- natural and uniform heat
- does not move mites and dust, keeping the environment clean and healthy
- -patented "MEMOLITE" material technology allows you to have up to 24 hours of heat on two charges per day
- savings of up to 75% of pellets or wood compared to industrial stoves
- cleaning 1 time a week and maintenance every 5 years
- 10 year warranty



### 10) SHEET METAL, PRE-PAINTED ALUMINIUM (PREFA MANUFACTURER OR SIMILAR)

Lattonerie e compluvi costituite da alluminio, compreso pluviali di scarico, frontalini e tutto ciò che è necessario a realizzare un'opera finita a completa regola d'arte. Le grondaie PREFA vengono verniciate con il cosiddetto processo coil coating. Il procedimento prevede fino a 20 fasi di lavorazione.



### LATTONERIE DA CAPITOLATO: SCELTE CON SOVRAPREZZO: Grondaia Canale quadrato semicircolare Colore 02 Colore 01 marrone antracite (colore prefa) superficie (simile a Ral lega d'alluminio 7016) preverniciata superficie lega d'alluminio preverniciata Colore 11 Colore 10 bianco prefa testa di moro (simile a Ral 9002) (colore prefa) superficie lega superficie lega d'alluminio d'alluminio preverniciata preverniciata Colore 07 Colore alluminio grigio chiaro naturale (simile a Ral 7005) superficie lega d'alluminio preverniciata

### -FEATURES:

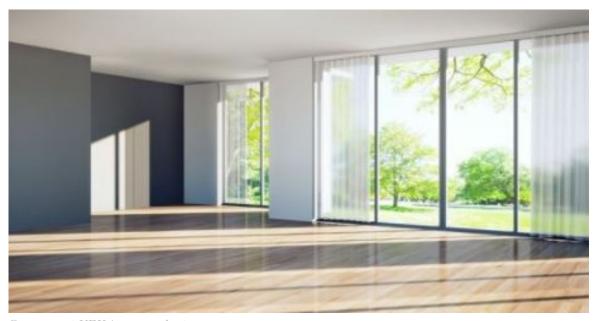
- -PREFA gutters are made of pre-painted aluminium strips based on alloys in accordance with EN 573 and DIN 1725
- -No corrosion and long life of aluminium
- permanent thermal resistance from -30°C to +80°C
- quality control on paint thickness, degree of gloss, shade, paint hardness, paint tightness, paint mixture, resistance to deformation, paint hardening.
- downspouts diameter 100 mm
- Swiss-type gutter channels 330 mm long, closing heads, joints by means of special silicone mastics.
- 600 mm development front panels



# 11) WINDOWS AND FRENCH DOORS RECYCLABLE PVC VEKA, SERI SMART 76 (ITALY, LUCCA)

The windows are mounted "flush with the wall" and without internal sills, in order to create a single modern and satisfying visual plane that we define as "all glass".





Serramenti VEKA www.veka.it





Serramenti VEKA www.veka.it

### Made in Italy

VEKA windows and doors are **made in Italy**, as confirmed by the Certificate of Origin attached to the CE Marking Certificate of the Window, with an annual volume of the Group equal to 300,000 Window Units.

In addition, VEKA complies with the highest quality standards for window profiles in force: class A thickness (in accordance with UNI EN 12608).

DIN ISO 9001-certified quality covers all departments of the company, from development and production to administration and logistics.

VEKA QUALITY reflects an even broader goal: to ensure the success of VEKA partners at 360 degrees. With its extensive system portfolio covering an almost unlimited range of aesthetic options, with a reliable and reliable supply availability, with a consistent recycling concept, VEKA offers a comprehensive range of services for its partners.

To incentivize and support our national production chain which involves a large number of operators in Italy.



### • VEKA SMART 76 Series

The *Smart 76 system* best interprets the new aesthetic trends of essentiality and linearity, combining them with exceptional insulating qualities, high technical and functional performance and a wide choice of colours. An element of primary importance is the possibility of creating the system according to construction requirements. On the same basis, in fact, it is possible to compose a system with two or three gaskets, according to the different needs of thermal and acoustic insulation.

The high energy efficiency was achieved thanks to the better management of heat flows, optimising the geometry of the internal chambers and the sizing of the stops.

As with all VEKA systems, the Smart 76 system is extruded using class S compounds and with class A profile thicknesses, in accordance with the provisions of the UNI EN 12608 standard, thus giving the final product the highest quality level in terms of performance, durability, resistance to aging and efficiency over time. The exceptional glazing capacity of the SMART 76 system also allows the housing of glass up to a thickness of 52 mm, usually made with special triple sheets that allow the result of Uw thermal transmittance to be further lowered to 0.79 W/m2 K.

The technical characteristics of the SMART 76 system obviously allow the easy achievement of high performance also in the acoustic field as well as in air, water and wind tightness. The robust structure of the extruded profiles in class A, combined with the use of steel reinforcements of appropriate size and geometry, ensure great reliability over time, even in the case of large windows.

- 76 mm system with innovative multi-chamber geometry for excellent thermal insulation
- Thermal transmittance at  $Uw = 1.1 \text{ W/(m}^2\text{K})$  using triple sheet with high thermal insulation with  $Ug = 0.4 \text{ W/(m}^2\text{K})$
- 28 mm depth of the glass housing reduces thermal bridges
- Universal use in both new buildings and renovations
- Wall thickness with the highest quality standard in accordance with RAL "Class A" (DIN EN 12608)
- The three levels of seals protect against noise, cold, humidity and air circulation
- Also available as AD system with rebate seal
- Surface with a finish of your choice, with foil or shell



### 13) KOPEN KDS 90 SERIES ENTRANCE DOOR MOD.

The front doors have sleek and clean lines, the distinctive personality of these doors is due to the applied panel that covers the door, both on the inside and on the outside.







\*Come to our showroom and customize your GARDESA armored door



### **EXTRA ACCESSORIES SPECIFICATIONS**



### Tastiera touch

L'apertura dell'anta può avvenire tramite digitazione di un codice su un supporto touch screen.



### Lettore impronta

L'apertura dell'ingresso può avvenire semplicemente attraverso il riconoscimento dell'impronta digitale. Integrato nella porta è minimal nell'estetica e nella funzionalità, il lettore d'impronta non prevede chiavi e nè carte magnetiche ma solamente l'uso del dito.



### Smartphone

Apertura della porta tramite smartphone e gestibile attraverso l'App Oikos Tech.



### 14) SUN SCREENS AND MOSQUITO NETS

They will be made of aluminium produced on site, mounted on EPS monoblocks with phenolic plywood reinforcements and aluminium plaster profiles plus external inspection.

The shutters will be motorized and equipped with a Certified Motor



### -EXTRA SPECIFICATIONS, GRIESSER SHIELDING:

Struttura interamente metallica con lamelle autoportanti. Meccanismo di salita e orientamento integrato nelle guide laterali. Sollevamento laterale con catene a rulli in acciaio. Catena di cerniera in acciaio inox per l'orientamento delle lamelle in ogni posizione della tenda. Inclinazione lamelle per discesa 45° o 70°. Salita della tenda con



Produttore materiale

lamelle orizzontale. Buona funzione di oscuramento. Sicurezza anti-sollevamento in ogni posizione. Blocco automatico allo stato chiuso. La protezione del prodotto impedisce che la tenda sia danneggiata in caso di urto contro ostacoli. Lamelle in alluminio con bordatura alle loro estremità, con guarnizione silenziatrice a labbra applicata a pressione. Binari di guida laterali (85 x 45 mm) in alluminio estruso, anodizzazione incolore, con elementi di scorrimento e silenziatori in plastica sulle braccia di posizionamento. Guida superiore (cassonetto superiore) in lamiera d'acciaio zincato con motore.

La guida laterale del frangisole non è incassabile e va a coprire quasi interamente il telaio dell'infisso.







#### CARATTERISTICHE:

- Il sistema di posa dei frangisole permette da subito o in futuro la posa di zanzariere.
- Profilo binario a vista per una facile manutenzione del sistema.
- Le lamelle sono orientabili per la regolazione della luce interna, sono completamente impacchettabili nell'apposito cassonetto a scomparsa in parete, sono richiudibili completamente per un oscuramento quasi totale.

### Metalunic Sinus:



- Il colore delle lamelle e quello dei binari non coincidono perfettamente in quanto i processi di produzione prevedono sistemi di verniciatura differenti.
- Movimentazione con motori elettrici.
- Compresa di centraline per chiusura centralizzata.



### -EXTRA SPECIFICATIONS MOSQUITO NETS





Mosquito nets with 45/50 mm box, side roll-up for French windows, horizontal for windows, ergonomic grip. The opening and closing of the door, despite being equipped with a spring, is very controlled, without causing sudden and fast winding. Domus Trentina sample finish.



### 15) INTERNAL DOOR

Hinged doors with magnetic lock and sliding doors inside the wall (if present in the project), with lock. Panelling on both sides, finish with excellent resistance to washability and humidity Standard size 700/800 x 2100.

Finish: from sampling at our showroom.







\* visit our showroom for the offer dedicated to you



### 16) DESIGN AND CONSTRUCTION OF THE HEATING AND SANITARY SYSTEM

Our executive definition process for the construction site passes through the design of the sanitary heating system, by a specialized technician.

### A) SINGLE SYSTEM FOR YOUR WINTER HEATING, SUMMER COOLING AND CMV:



### -SMART 300 CONTROL UNIT

È un sistema innovativo di ventilazione a doppio flusso termodinamico che permette un efficace rinnovo dell'aria e contribuisce a garantire il comfort termico sia nella stagione calda che nella stagione fredda.

I suoi ventilatori ricambiano l'aria dei locali per mezzo di una rete aeraulica completa di terminali di immissione ed estrazione.

Il suo circuito termodinamico reversibile raffresca (ciclo frigorifero) o scalda repliche orologi l'aria (pompa di calore) a seconda della richiesta dell'utente.

Il concetto del sistema riprende quello della ventilazione a doppio flusso con recupero di energia associato alla climatizzazione.

Il circuito termodinamico reversibile assicura gli scambi termici tra i diversi flussi d'aria attraverso batterie alettate ad espansione diretta.



SMART 300 is an innovative ventilation system with double thermodynamic flow that allows effective air renewal and helps to ensure thermal comfort in both hot and cold seasons.

Its fans exchange the air in the rooms by means of an aeraulic network complete with emission and extraction terminals.



Its reversible thermodynamic circuit cools (refrigeration cycle) or heats the air (heat pump) depending on the user's request.

The system concept takes up that of dual-flow ventilation with energy recovery associated with air conditioning.

The reversible thermodynamic circuit ensures heat exchanges between the different air flows through direct expansion finned coils.



### Caratteristiche tecniche

Centrale per la vostra installazione : SMART 300

CARATTERISTICHE RISCALDAMENTO	
Condizioni esterne: +7°C (aria estratta = + 20	°C)
Potenza fornita (W)	3.100
Potenza assorbita (W)	873
COP	3,55
Condizioni esterne: -7°C (aria estratta = +20	'C)
Potenza fornita (W)	3.640
Potenza assorbita (W)	760
COP	4,79
Riscaldatori elettrici (Opzione)	
Potenza fornita dai riscaldatori (W)	0
Potenza caldo totale della centrale a -7°C est (W)	3.640

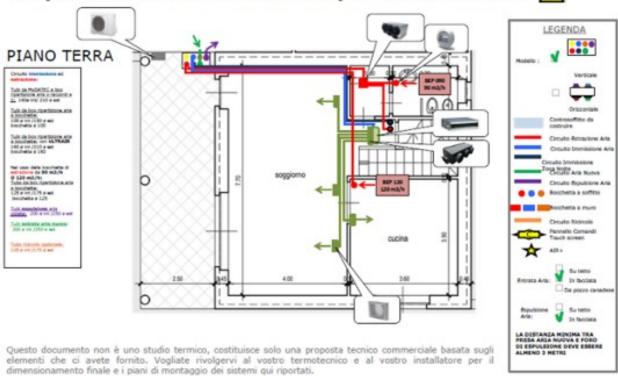
300 m3/h
600 m3/h
400 m3/h
230 V - 50 Hz
2,8 A
10 A (AM)
R407c
900 g

CARATTERISTICHE RAFFRESCAMENTO			
Condizioni esterne: +35°C (aria e	stratta = + 27°C)		
Potenza fornita (W)	2.670		
Potenza assorbita (W)	1.117		
EER	2,39		



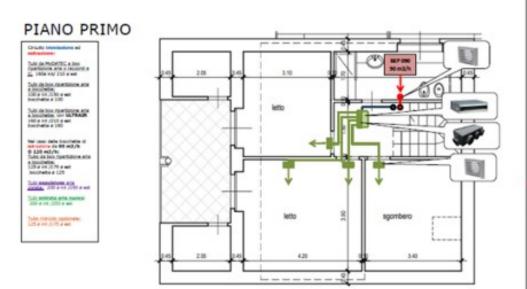




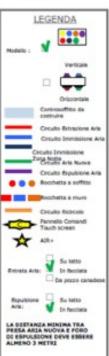


## Disposizione Preliminare Impianto Aeraulico 🔥





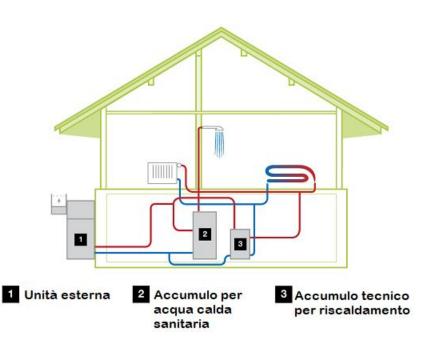
Questo documento non è uno studio termico, costituisce solo una proposta tecnico commerciale basata sugli elementi che ci avete fornito. Vogliate rivolgervi al vostro termotecnico e al vostro installatore per il dimensionamento finale e i piani di montaggio dei sistemi qui riportati.



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### B) CORDIVARI HEAT PUMP FOR DOMESTIC HOT WATER PRODUCTION





Produzione ed accumulo di acqua calda sanitaria (ACS).

MATERIALI E FINITURE

Acciaio rivestito in Polywarm® (certificazioni ACS - EN 16421) idoneo per acqua potabile ai sensi del D. M. n. 174 del 06.04.04

POMPA DI CALORE

Il riscaldamento dell'acqua avviene con pompa di calore a compressore rotativo integrata, dotata di serpentino condensatore esterno all'accumulo sanitario.

Di serie è installata una resistenza elettrica ausiliaria da1500 Watt con funzione "BOOST".

Controllo e programmazione attraverso centralina elettronica con display grafico. Disponibile versione con WiFi.

COIBENTAZIONE
Poliuretano espanso rigido ad elevato isolamento termico.
Rivestimento esterno in lamierino, coppella superiore e copriflangia in

PROTEZIONE CATODICA

Anodo di magnesio.

Anodo elettronico al titanio (solo per versioni NET WIFI)

SCARICO

Scarico attraverso manicotto sul fondo.

CONTROFLANGIA - GUARNIZIONI

Guarnizioni in gomma siliconica alimentare (D.M. n.174 del 2004); Controflangia d'ispezione in acciaio al carbonio con trattamento Polywarm<sup>®</sup> corredata di resistenza elettrica.

GARANZIA

5 anni sul corpo bollitore. Per altre componenti vedi condizioni generali

di vendita.

ACCESSORI E RICAMBI

Per l'elenco completo consultare la relativa sezione.

### -FEATURES:

- control panel that allows you to carry out all the operations necessary for the operation of the device, the adjustments and to display the values of the main parameters and alarms, accumulation 200 liters.
- the power of the heat pump has been estimated based on the size of the building, but it is to be verified during the executive design phase. In the event that there is a need for a machine with higher power, the additional cost must be paid to the Customer.
- A first setting is included when starting the machine, according to the manufacturer's instructions.



### C) BATHROOMS

Inside the house, the various hot water and cold water utilities are distributed. The system includes:

### BATHROOMS, RESPECTIVE SANITARY WARE:

- Toilet wall-hung toilet connection and drain
- Bidet wall-hung toilet connection and drain 100 mm
- washbasin connection and drain
- shower/bathtub connection and drain
- Dedicated sanitary manifold for each bathroom

### KITCHEN:

- Connection and drain for kitchen sink
- connection for cooker hood drain, diameter

### BUILT-IN ELEMENTS FOR WALL-HUNG SANITARY WARE



Elemento da incasso per WC sospesi:

- Spessore 120mm.
- Comando frontale.
- Risciacquo a 2 quantità.
- Volume tasto grande 4,5/6/7,5

litri.

Volume tasto piccolo 4/4L.



Elemento da incasso per bidet sospeso

### -FEATURES:

- The hot and cold water distribution pipes are made up of several layers: internal coating of polyethylene cross-linked to PE-Xb silanes that remains in contact with the water to be distributed; longitudinally welded aluminum middle layer, which gives the tube solidity and mechanical rigidity; external coating in high-density polyethylene PE-HD, designed to protect the pipe from deterioration due to the action of external agents, shocks, abrasions.
- stratified sound-absorbing drain columns.
- Housing boxes for the sanitary manifold.
- multilayer pipes guaranteed for pressure 10 bar .tubes with high resistance to ultraviolet rays



### 17) ELECTRICAL SYSTEM AND ACCESSORIES



Our executive definition process for the construction site passes through the design of the electrical system by a specialized technical expert.

For buildings of this size it is not mandatory but it allows us to guarantee an efficient system that fully complies with current regulations.

The CEI 64-8 standard contains requirements regarding the design, installation and verification of electrical systems, with the aim of ensuring the safety of people, property and operation suitable for the intended use. The goal is to provide additional requirements for electrical systems to ensure users a "standard" level of reference for the equipment of the systems themselves, to guarantee the user that he will find an electrical system that will not only be safe, but also meet minimum levels of usability and usability.

The electrical system includes: distribution system with flexible PVC pipes, conductors, junction boxes, plates, declaration of conformity.

### - PLATES FROM SPECIFICATIONS

### 1) BTICINO MATIX series available in different colors



CROMO LUCIDO - GCR



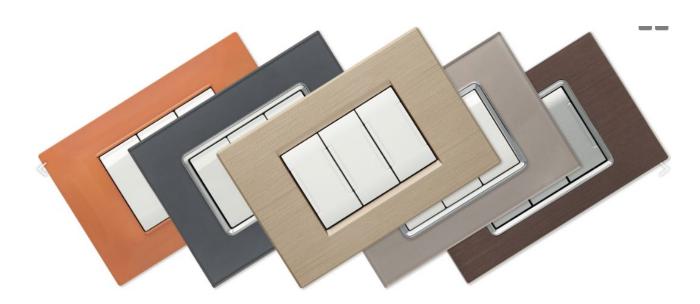
ORO LUCIDO - GOR



ORO SATINATO - GOS

### 2) MAPAM series available in different colors





### 3) VIMAR ARKE' series available in different colors

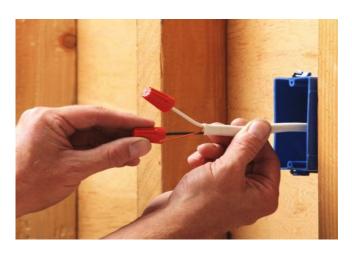


### -FEATURES AND NOTES:

- the system includes the power supply of the heat generators with a line coming from under the panel.
- in the case of supply of only the wooden house without foundation works, grounding is excluded.
- Preparation of an alarm system with contacts on fixtures and volumetric (proposed by our supplier)



### -IGNITION DESCRIPTION AND POINTS





-Camera letto 1
punti presa singoli n°4
accensione luce centro stanza
accensione luce comodini N°2
punti presa usb n°2
accensione cabina armadio
punto tv
punto tel

-Camera letto 2
punti presa singoli n°4
accensione luce centro stanza
accensione luce comodini n°2
punti presa usb n°2
accensione cabina armadio
punto tv
punto tel

-Sgombero (VERSIONE GRANDE) Accensione luce centro punti presa singoli n°3 Punti tv Punti usb n°2 Punti tel/dati Predisposizione tapparella elettrica

-Bagno padronale 1/2
Accensione luce centro
Accensione luce specchio
Presa servizi
Tirante per doccia e vasca
Predisposizione termostato ambiente
Predisposizione tapparella elettrica



-Disimpegno zona notte Accensione luce centro Punto presa singolo lampada di emergenza da incasso

-Ingresso PT
Predisposizione termostato ambiente
Lampada di emergenza da incasso estraibile
Accensione luce centro
Presa di servizio singola
Presa di servizio di tipo schuko
Predisposizione comando centralizzato tapparelle
Comando luce esterno luminoso porta ingresso

Predisposizione citofono Punto campanello esterno e presa

-Sala
Accensione luci centro
Punti presa singoli n°4
Punto presa triplo tv
Punti tv
Punti tel/dati
Predisposizione tapparella elettrica

-Cucina
Accensione luce centro
Punti presa singoli
Punti presa schuko per elettrodomestici n°4
Punti presa schuko sul piano di lavoro n°2
Punti presa isola di cottura
Predisposizione tapparella elettrica
Presa tv

-Disimpegno PT Accensione luce centro

### -open box

ceiling light point Intake of service Driveway gate control

### - Outdoor lighting:

Arrangement for driveway gate light Lighting arrangement in a point of the garden volumetric and perimeter anti-theft arrangement

### -services:

Preparation of electrical pipes for irrigation preparation of electrical pipes for irrigation wells Preparation of pipes and boxes for zonal heating Preparation of piping for data network on antenna (Eolo (Linkem) Electric roller shutter management



# A) EXTRA SPECIFICATIONS (HOME AUTOMATION PACKAGE):



- home automation system for the management of all lights
- home automation system for the management of all shutters
- home automation system for gate management
- remote management with phone or tablet

# B) EXTRA SPECIFICATIONS (LOAD CONTROL PACKAGE):





- Furnace load control
- heat pump load control
- 16° socket load control
- control of crockery loads
- control of washing machine loads
- Electric car load control



# -18) 4.5 KW PHOTOVOLTAIC SYSTEM AND ACCESSORIES

SUNERG XMHC-460WP SERIES 4.5 KW photovoltaic system on a single aquifer for the production of electricity consisting of 10 modules and 1 inverter



Sample images by Domus Trentina



#### - PANEL FEATURES:

- -Polycrystalline material
- -low iron front glass, 3.2 mm thick
- Incorporating EVA (Ethylene Vinyl Acetate)
- -double-walled anodized aluminum frame
- Module power 370W

#### - ACCESSORIES INCLUDED:

- fixing system kit for tile/aluminum roofs
- Storage inverter system
- AC interface panel 1 ph max 5kwp

IMPORTANT NOTES: our proposal includes the application for connection to the ENEL operator, final testing of the plant, communication of the end of work to the network operator and completion of the procedures for requesting GSE incentives



The photovoltaic system with the addition of storage is a system equipped with batteries to accumulate the energy produced during the day, it represents a novelty in the field of alternative and "green" electricity production.

The operation is quite simple: the energy accumulated during the day is used during the hours when there is greater demand (for example in the evening if the tenants are away from home all day).



Sample photos



ZCS 4600 single-phase hybrid system

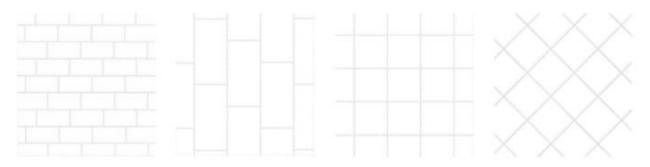
The advantages are of an economic nature, (a storage system pays for itself within a few years) and respect for the environment, (CO2 emissions into the atmosphere decrease drastically).



#### **-19) FLOORS:**

Visit our showroom to see first-hand the offer dedicated to you, our experts are also at your disposal for any solutions outside the specifications.

### - Examples of installation:



Installation from specifications tion not from specifications

Installation from specifications Installation from specifications Installa-

#### -FEATURES:

- in all rooms the skirting boards are provided in wood in the same color as the doors from the specifications.
- it is possible to have tile skirting boards with a surcharge to be calculated according to the tile chosen.
- the laying of the tiles is to be intended in straight rows, glued and grouted with special material.
- in the shower area the coating is intended up to a height of 200/210 cm, in the toilet area the coating is intended up to a height of 120 cm.
- -Wall coverings in the kitchen area are included.
- wall coverings in the laundry area are excluded.
- between the perimeter of the paved surface and the walls there is an empty space necessary as a tolerance for the expansion of the floors.- decorations, strips, corners and mosaics are always to be considered excluded from the specifications











\*Visit our showroom to see your choice from specifications



# **20) SANITARY**

# A) TOILET AND BIDET FROM SPECIFICATIONS

#### -SANITARY WARE MODEL VOLGA SOFT-CLOSE PLUS



# -SUSPENDED "BRENTA" CERAMIC, SOFT-CLOSE SEAT COVER





# -WALL-HUNG VOLGA FLW CERAMIC, COPRISEDILE SOFT-CLOSE



#### -HANGING GHEBERIT SELNOVA SR2





# B) SPECIFICATION TANKS (1PC PER HOUSE)

#### -VASCA FREESTANDING BIANCO LUCIDO MELANESIA 170 X 58,5



# -3-SIDED BATHTUB IN HIRST ACRYLIC



# SOLERO DANTE S.A.S. DI SOLERO ROBERTO&C

P.IVA 08740260016 – Via TORINO 64/E , 65 Borgaro Torinese (TO) Tel +39 3398963880- email impresasolero@impresasolero.191.it



#### C) SHOWER TRAY FOR SPECIFICATIONS (1PC PER HOUSE)

# -RESIN SHOWER TRAY WITH STONE EFFECT 140X80 AND 100X80

COLOUR GREY, FLUSH WITH THE FLOOR/ON THE FLOOR, THICKNESS 3.5 CM



# -RESIN SHOWER TRAY WITH STONE EFFECT 140 X 80 SERI "FONDO" COLOUR WHITE, FLUSH WITH THE FLOOR/ON FLOOR, THICKNESS 3.5 CM



# -SHOWER TRAY IN MINERAL MARBLE RESIN 100X80

COLOUR MATT WHITE, FLUSH WITH THE FLOOR/ON FLOOR, THICKNESS 3.5 CM





# -D) TAP COMPOSITIONS ACCORDING TO SPECIFICATIONS

# - WASHBASIN, BIDET AND BATHTUB OR SHOWER SET



# -SET FOR WASHBASIN, BIDET AND BATHTUB/SHOWER



# -SET FOR WASHBASIN, BIDET AND BATHTUB/SHOWER





# -21) FENCES AND ACCESS GATES



External fence towards the street h 120 cm



External fence to another property h 120 cm



Driveway entrance door 397 x 181 with automatic opening



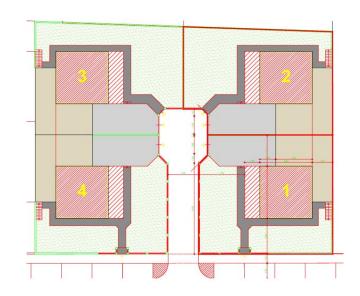
Pedestrian entrance door 103 x 181

### SOLERO DANTE S.A.S. DI SOLERO ROBERTO&C

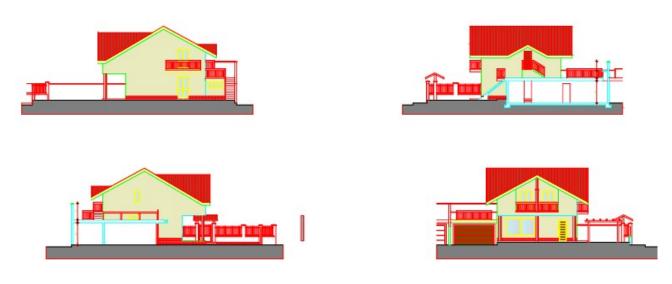
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# -22) PLANTS VERSION 3 BEDROOMS, GARAGE-CELLAR-TECHNICAL ROOM

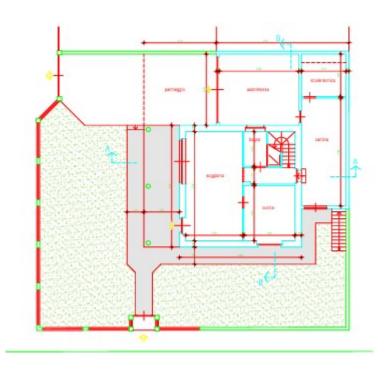


General plan, lots 1-2-3-4-

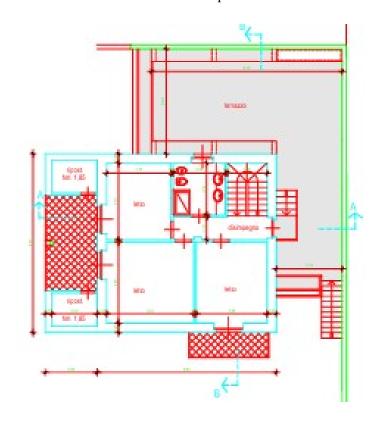


Prospects





Ground floor plan



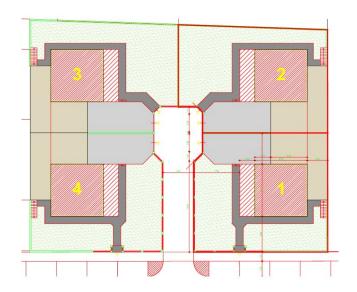
First floor plan

# SOLERO DANTE S.A.S. DI SOLERO ROBERTO&C

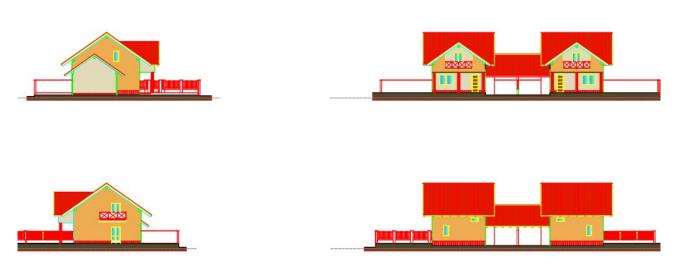
P.IVA 08740260016 – Via TORINO 64/E , 65 Borgaro Torinese (TO) Tel +39 3398963880- email impresasolero@impresasolero.191.it



# -21) PLANTS VERSION 2 BEDROOMS-OPEN BOX

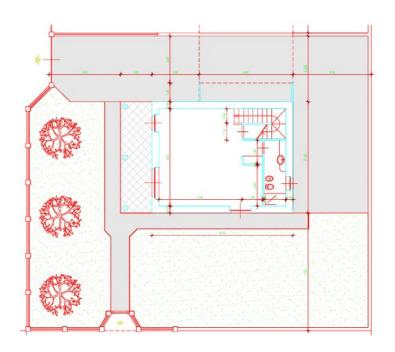


General plan, lots 1-2-3-4

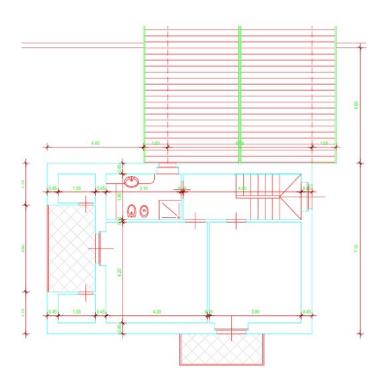


Prospects





Ground floor plan



First floor plan

# SOLERO DANTE S.A.S. DI SOLERO ROBERTO&C



# -22) AMOUNT OF BENEFITS:

We have calculated, for the amount of material used, the type of products, the hours of work for installation and everything needed to guarantee the service.

VOICE		EURO
Total turnkey including fence, ped	estrian gate and driveway with electric opening	
2 bedroom version:		
	1) OPEN GARAGE X 2 CARS	
	2) WITH LOW FABRICATED	
	3) WITH BASEMENT FLOOR	
3 bedroom version:		
	4) OPEN GARAGE X 2 CARS	
	5) WITH LOW FABRICATED	

6) WITH BASEMENT

# **Optional:**

<u>TV/SAT</u>	
PHOTOVOLTAIC 6 KW	
STORAGE BATTERIES 5 KW	
STORAGE BATTERIES 10 KW	
GATE AUTOMATION CARRAIO	COMPRESA
PREPARATION ANTIFURTO	COMPRESA
BT-ON-SOLUTION-INDUSTRIAL-BURGLAR-FREE-CAVI	
SANITARY/RUBINETTI	COMPRESI
1 PLATE DOCCIA	COMPRESO
1 VASCA	COMPRESA
MOBILE BAGNO	ESCLUSO
TINTEGGIATURA ESTERNA	INCLUSA
TINTEGGIATURA INTERNA	ESCLUSA

To these figures must be added the statutory VAT. We remind you that for the construction of a first home you can take advantage of the reduced rate of 4%