

Una concezione integrata del costruire in legno lamellare: Il nuovo stabilimento Trentinalatte

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Holzbau S.p.A.

PIANTA DELLA STRUTTURA

11.900 mq coperti



**CORPO A
CELLA
FRIGO**

**CORPO E
CARICO SCARICO**

**CORPO F
IMPIANTI**

9618

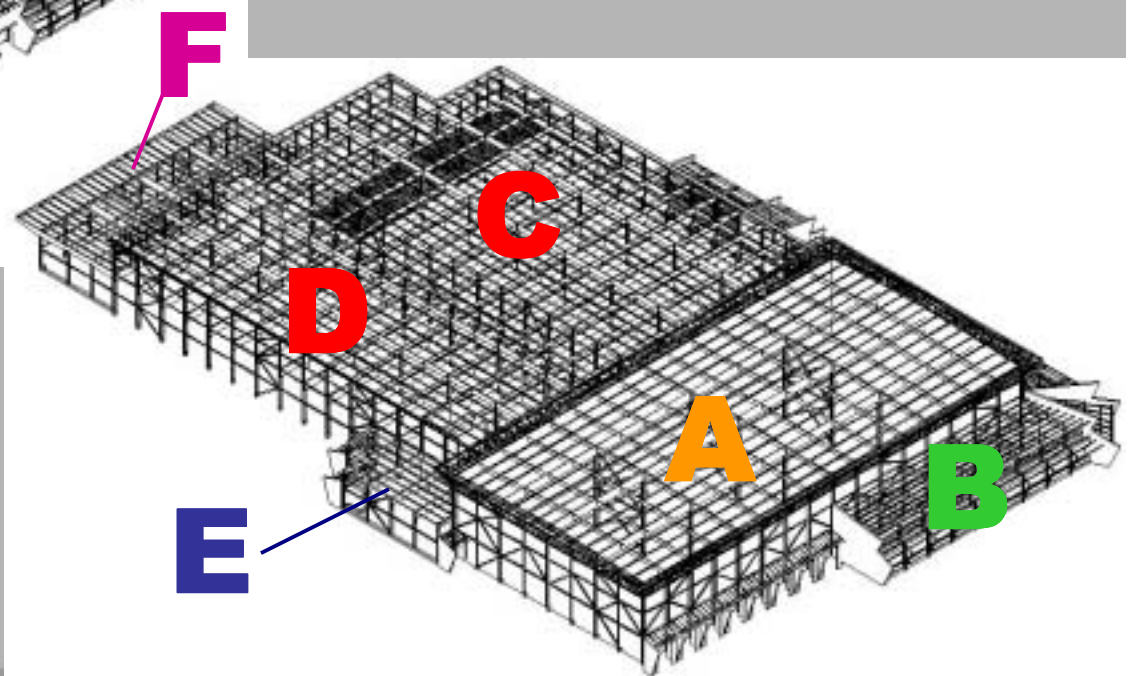
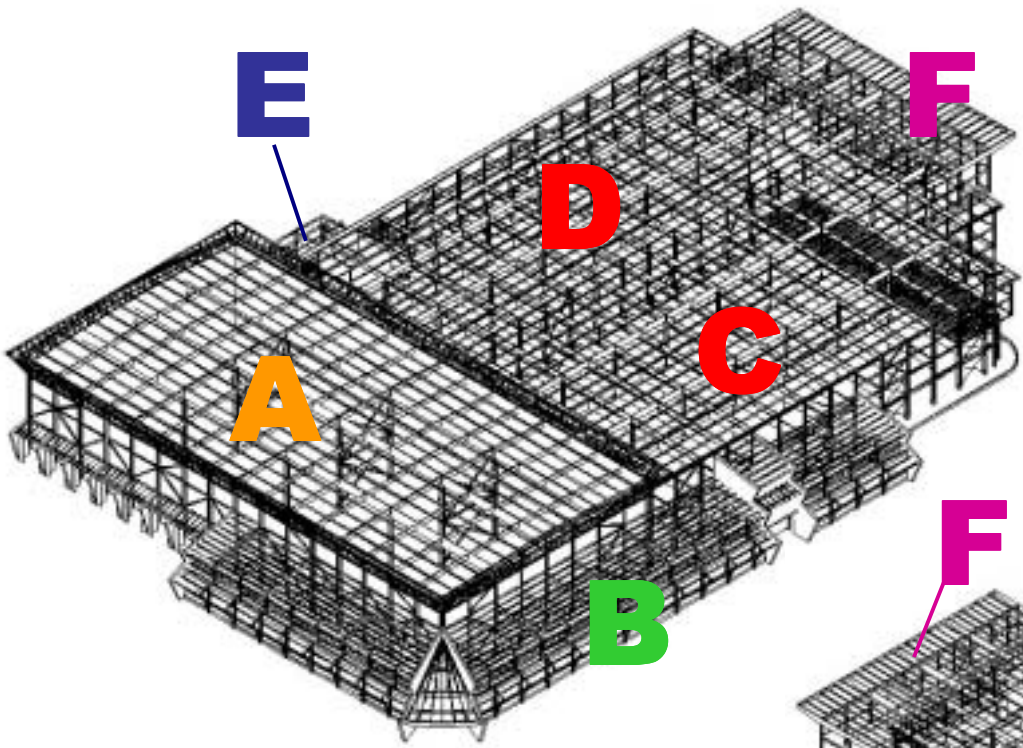
500

500

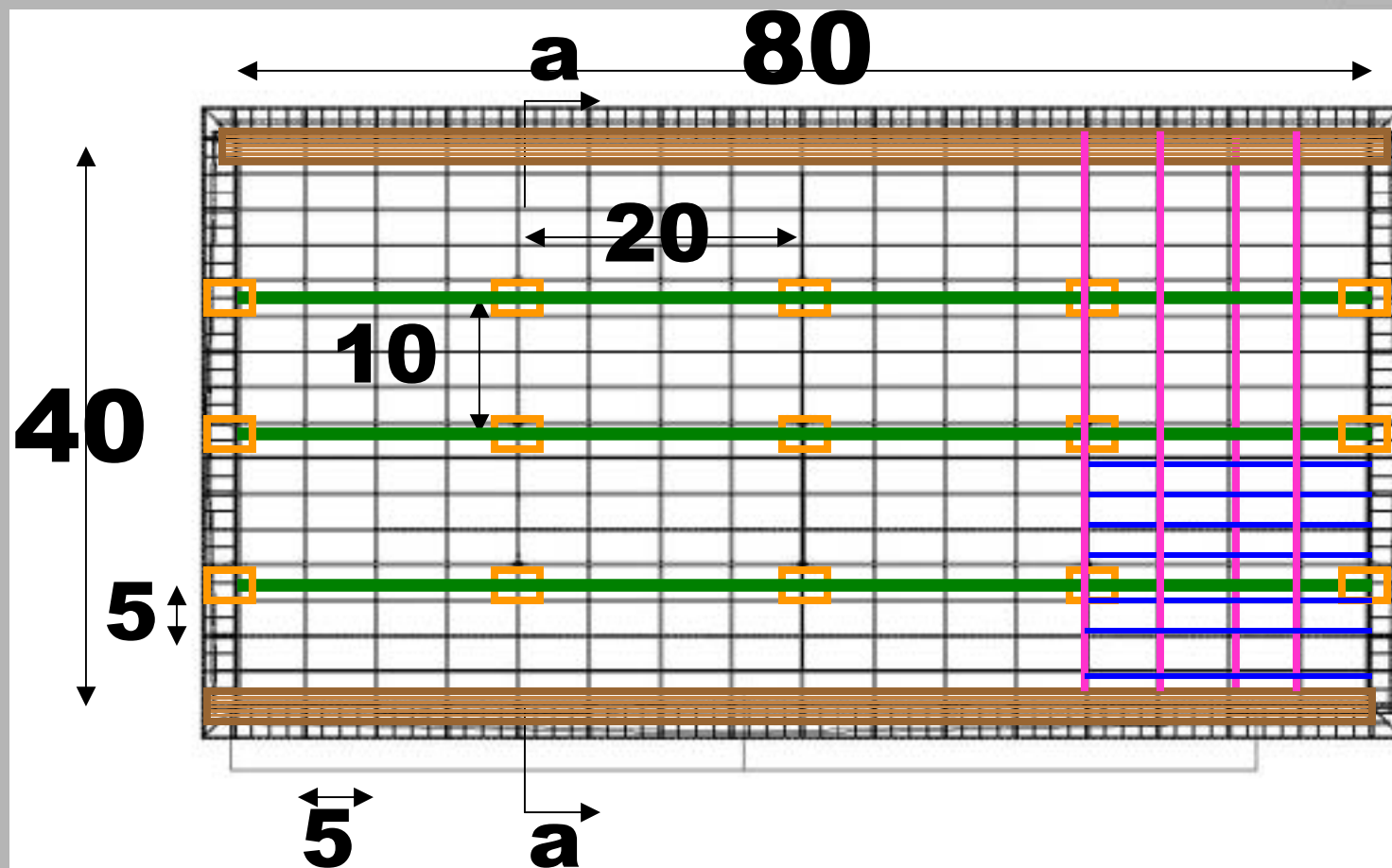
CORPO B UFFICI

**CORPO C-D
PRODUZIONE**

15300



CORPO "A": PIANTA COPERTURA



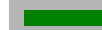
PILASTRO ad "H"

4 □ X 50.1 CM



PILASTRI ad "H" i=5 mt

32 X 50.1 CM



ARCHITRAVE

18 X 107.7 cm



TRAVE II^a

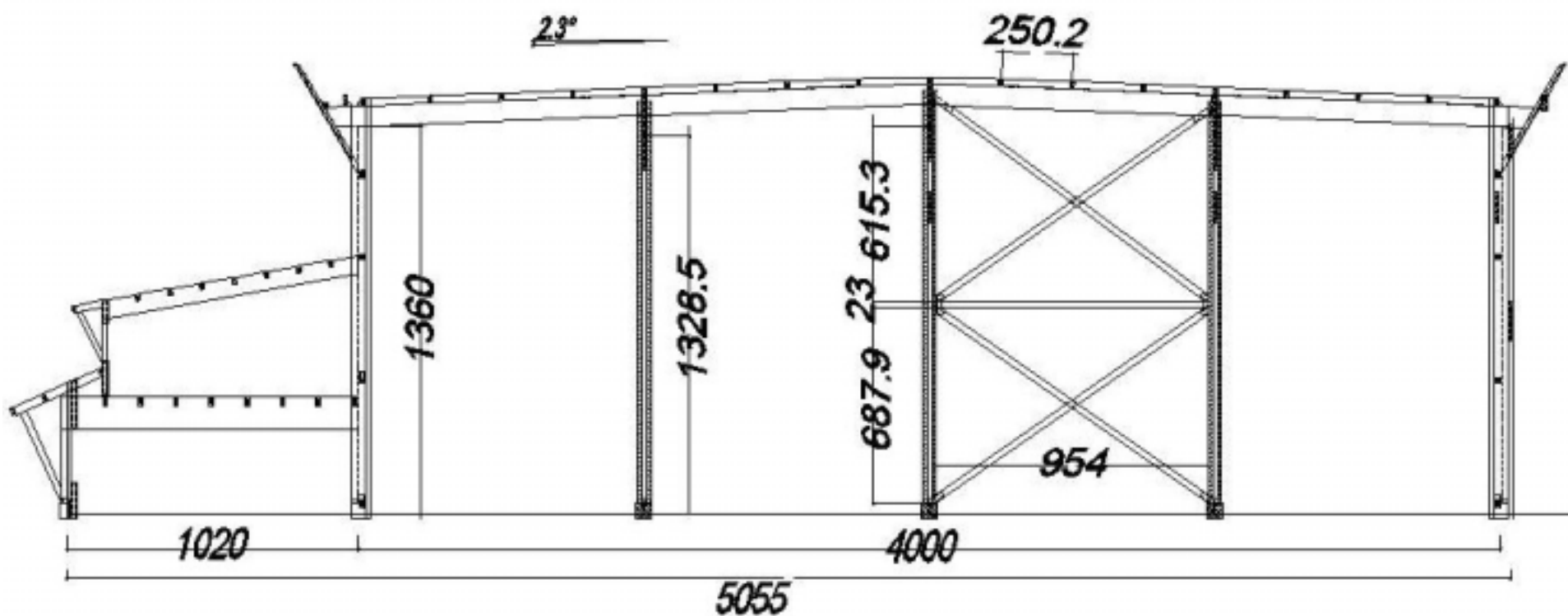
1 □ X 73.5 cm



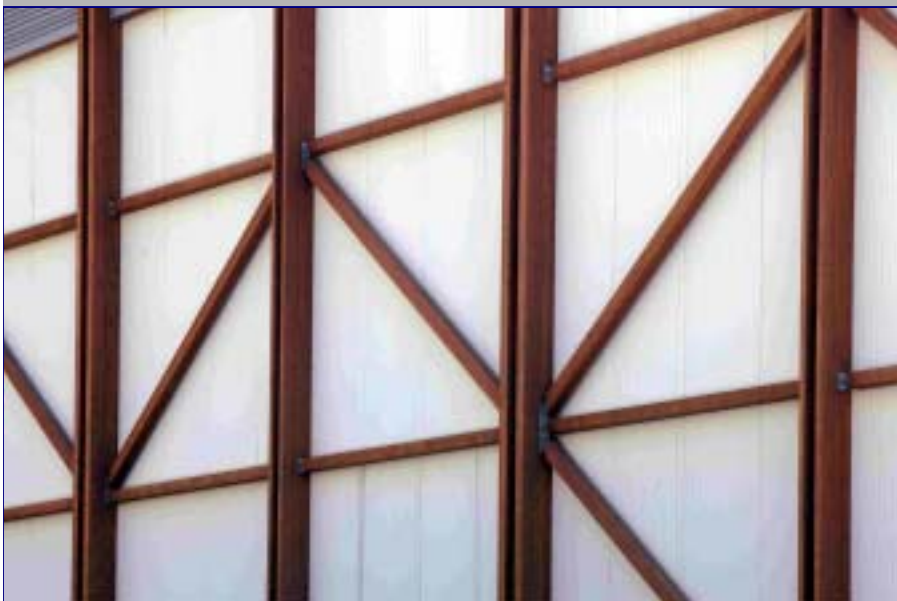
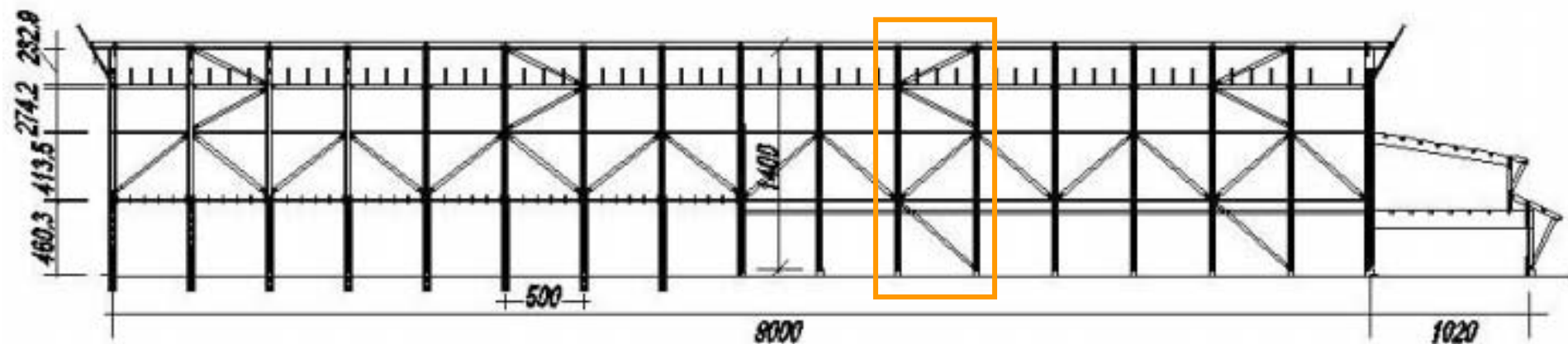
TRAVE III^a

14 X 2 □ .3 cm

CORPO "A": SEZIONE TRASVERSALE A-A CARICO COMPLESSIVO IN COPERTURA 1.9 KN/mq

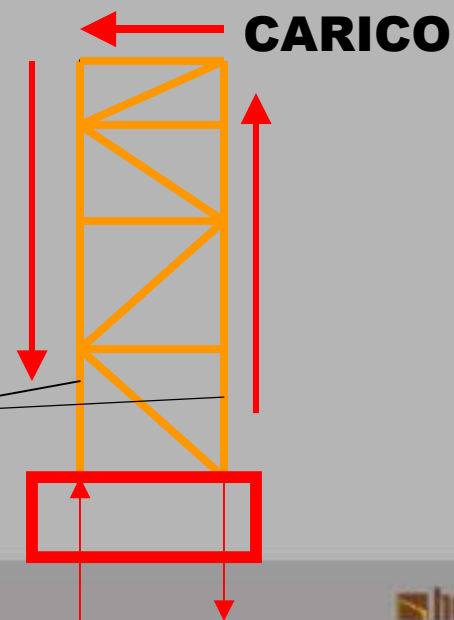


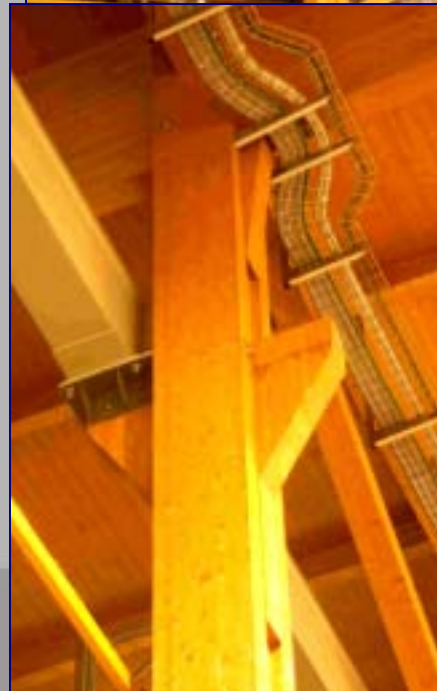
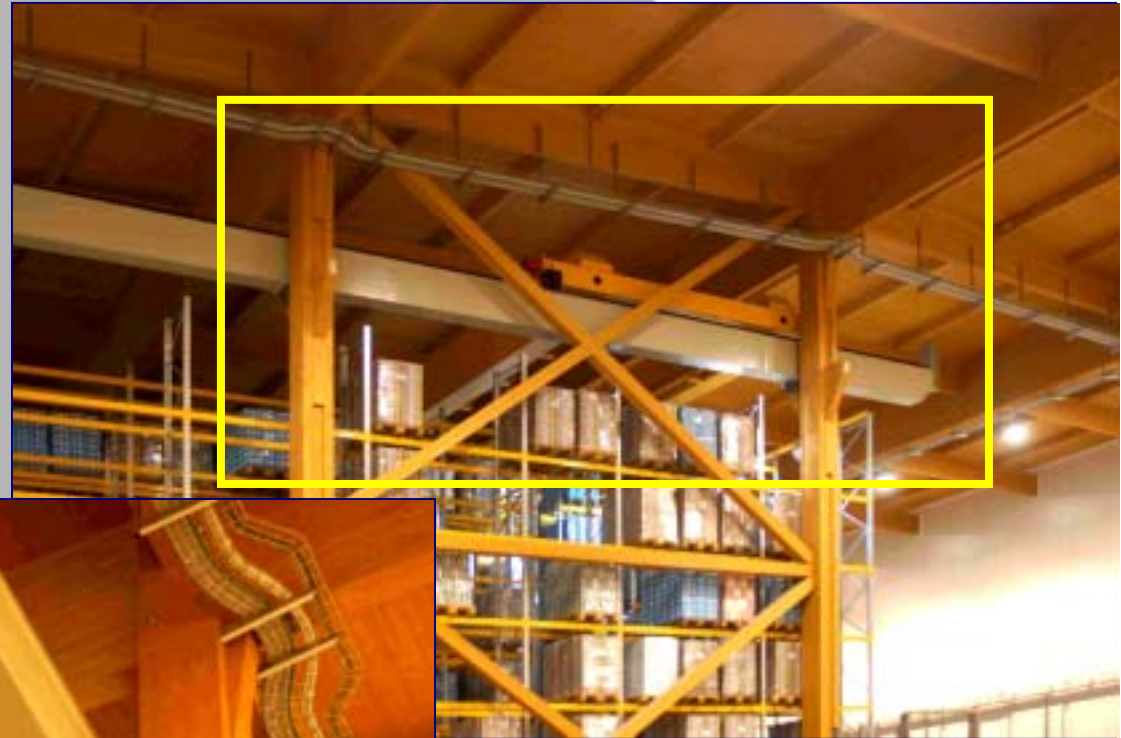
CORPO "A": PROSPETTO LONGITUDINALE



**AZIONI
VERTICALI IN
FONDAZIONE**

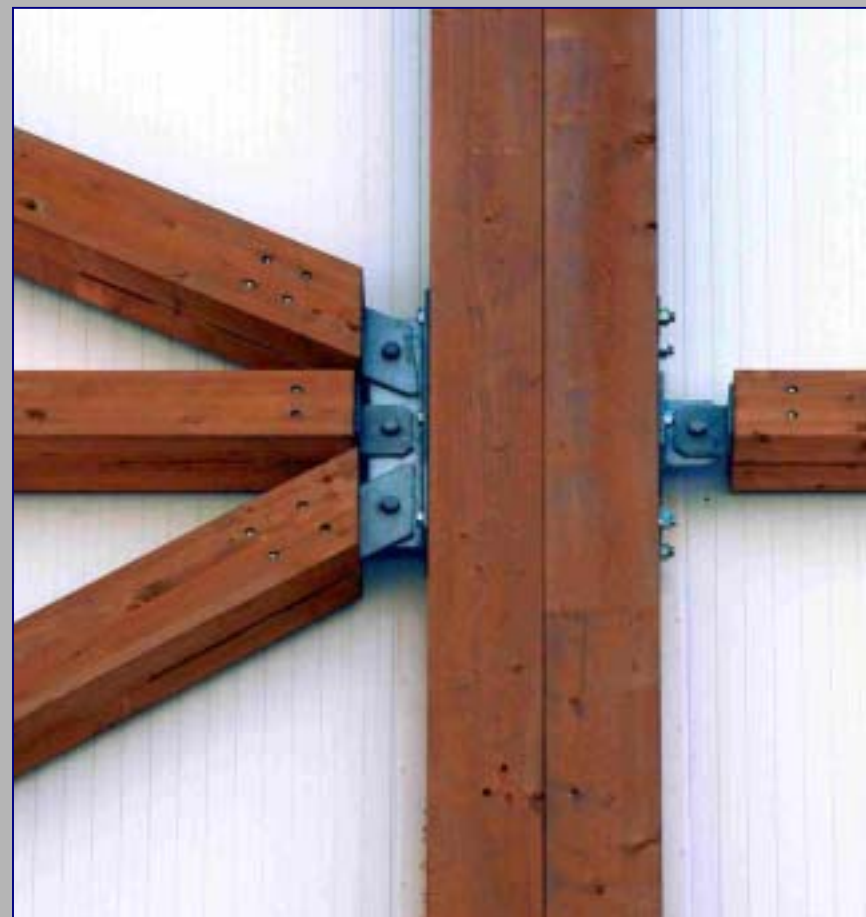
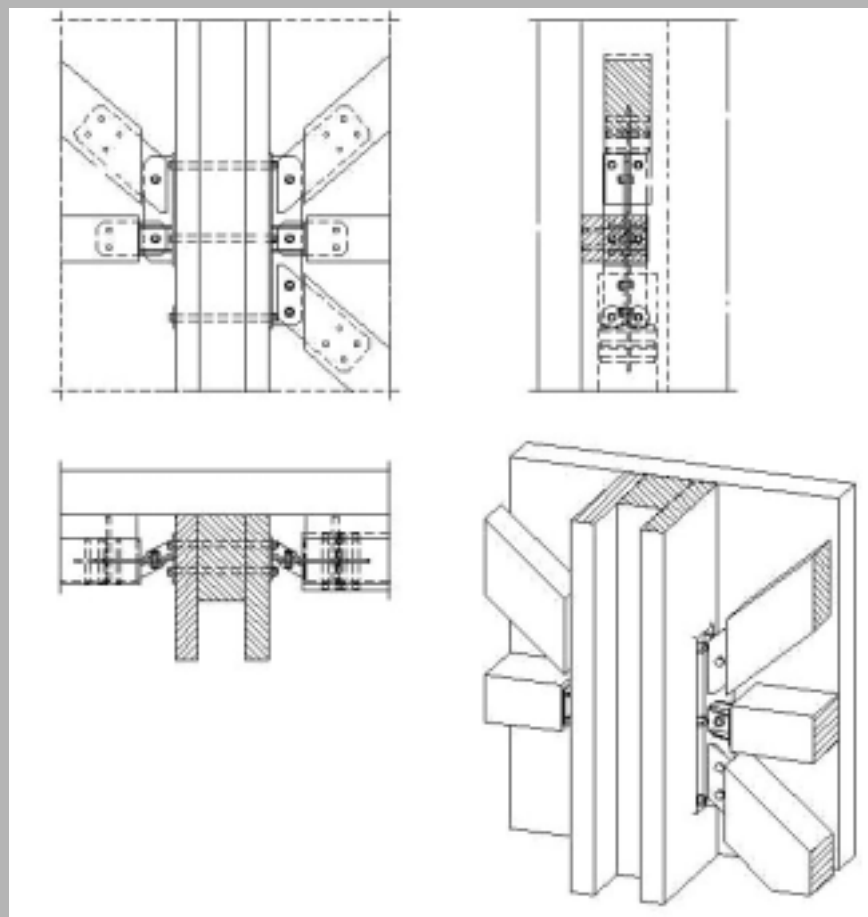
BIELLA



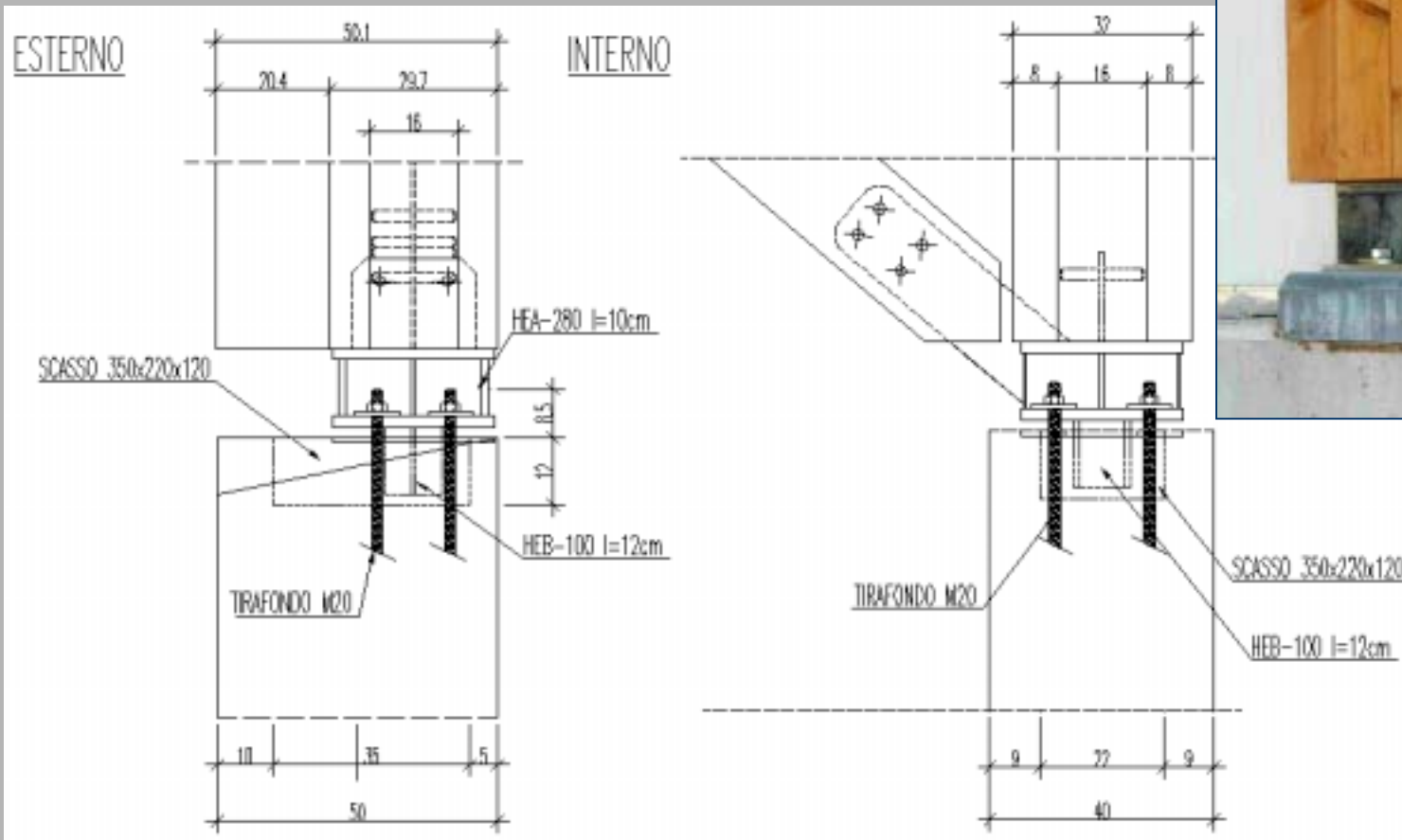


**CORPO "A":
VISTE INTERNE**

CORPO "A": PART. CONTROVENTATURA VERTICALE ESTERNA



CORPO "A": CONNESSIONE PILASTRO A TERRA



CORPO "A": PACCHETTO DI COPERTURA



1 - Listello 8x5 cm

**2 - Tavolato grezzo
s=2.3 cm**

3 - Listone 8x13 cm

**4 - Pannello strutturale in legno
s=4.2 cm**

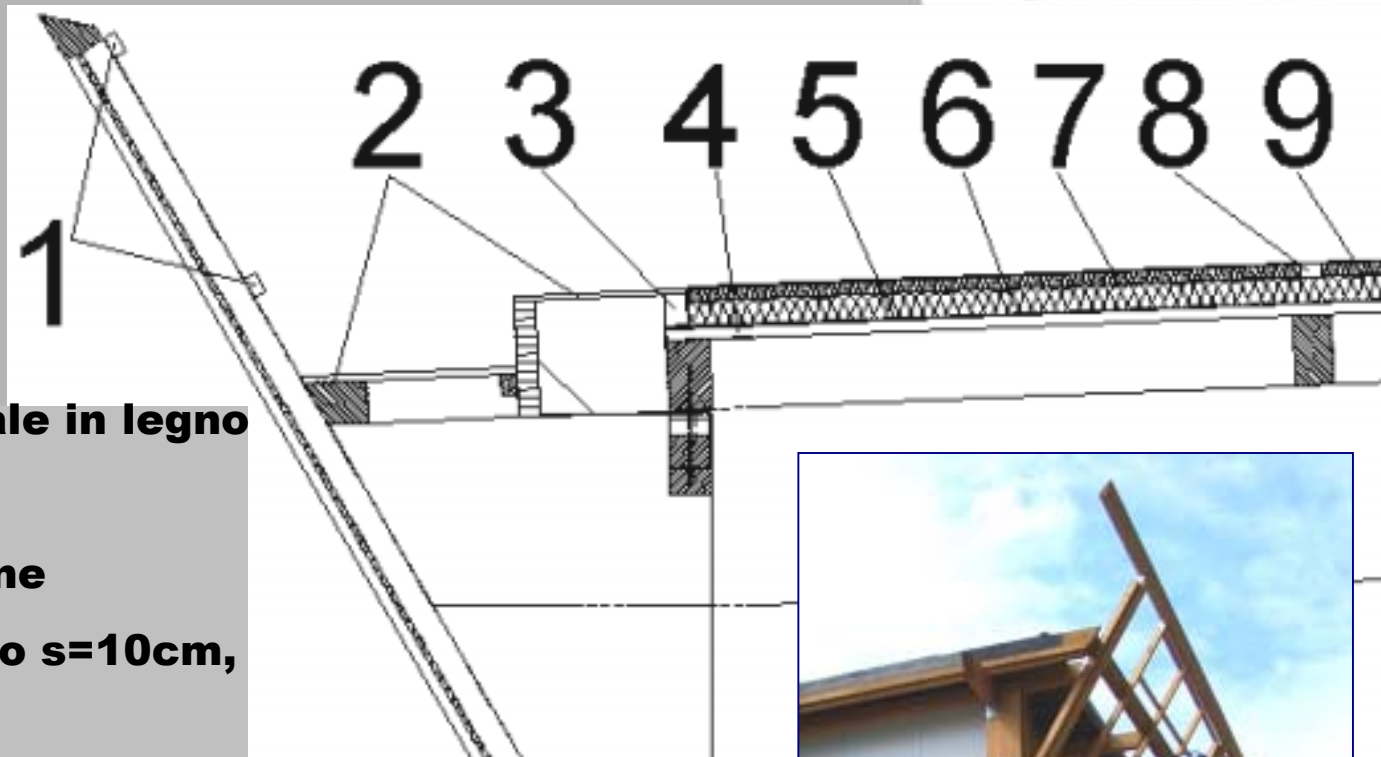
5 - Foglio in polietilene

**6 - Polistirene estruso s=10cm,
densità 33 kg/mc**

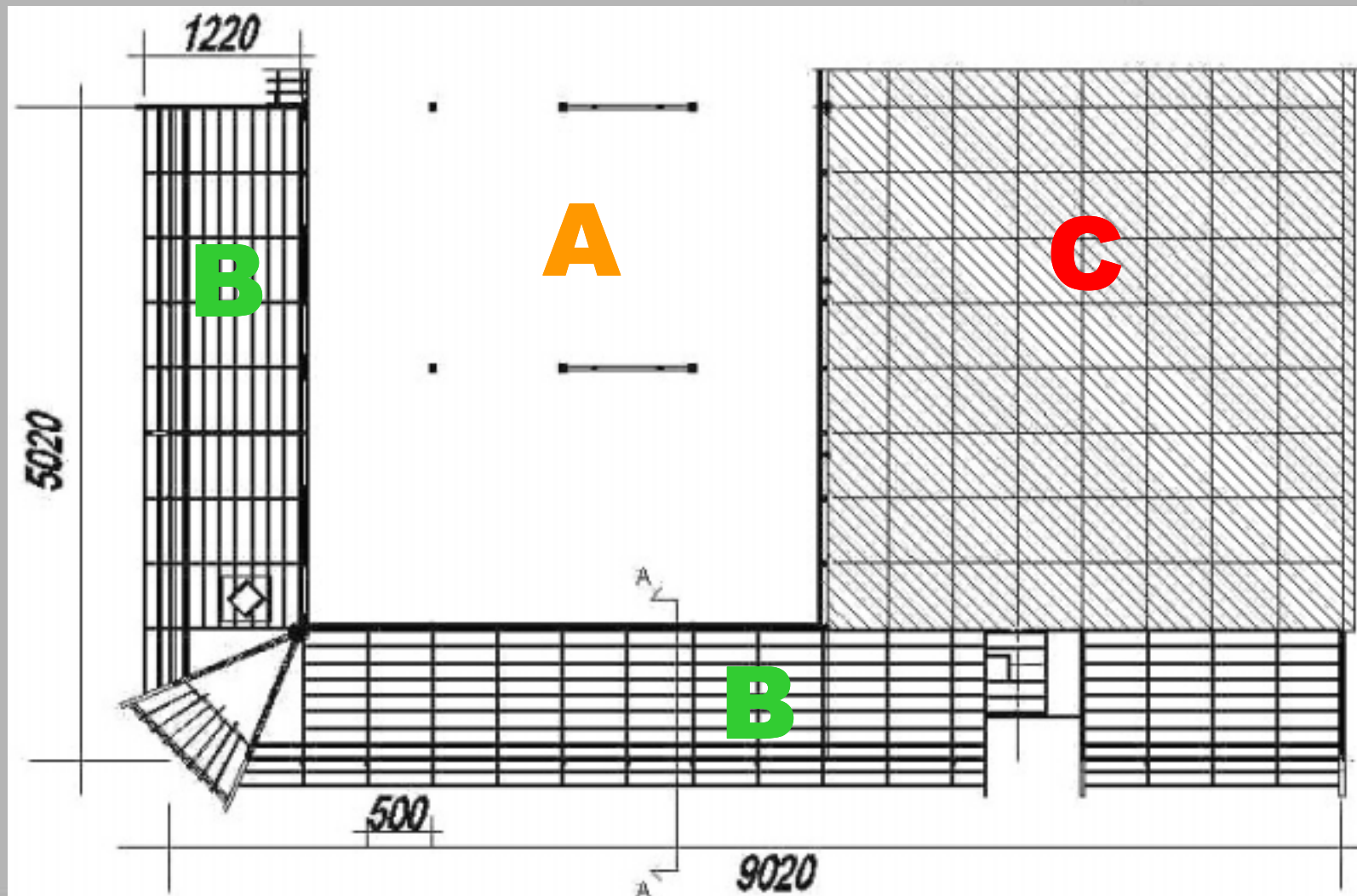
**7 - Lana di roccia con guaina s=5 cm;
densità 150 kg/mc**

**8 - Listello interposto alla lana di roccia 8x5 cm;
i= ca 2.5 mt**

9 - Guaina saldata a caldo Defend-Alu



CORPO "B" UFFICI: PIANTA



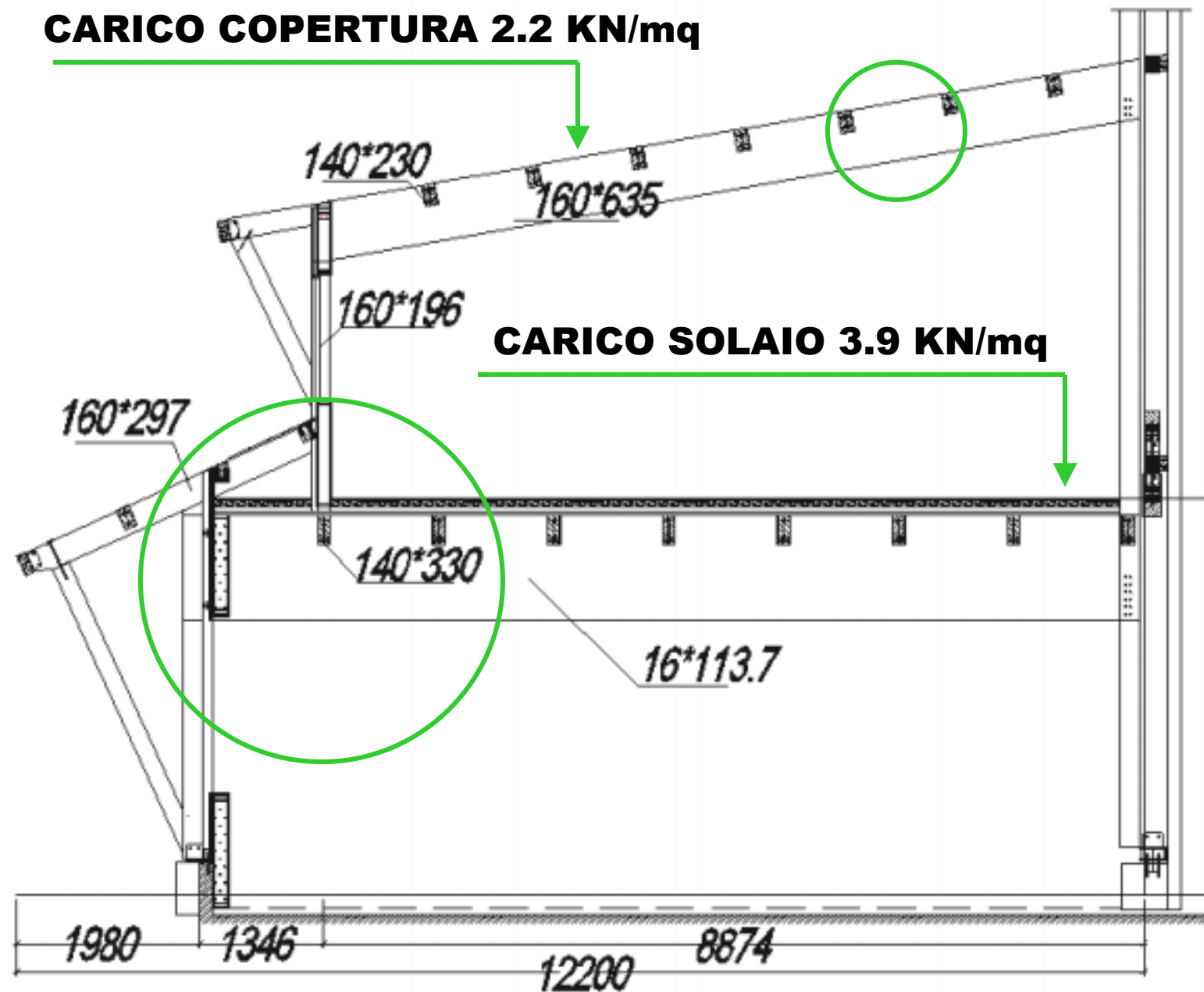
CARICO COPERTURA 2.2 KN/mq



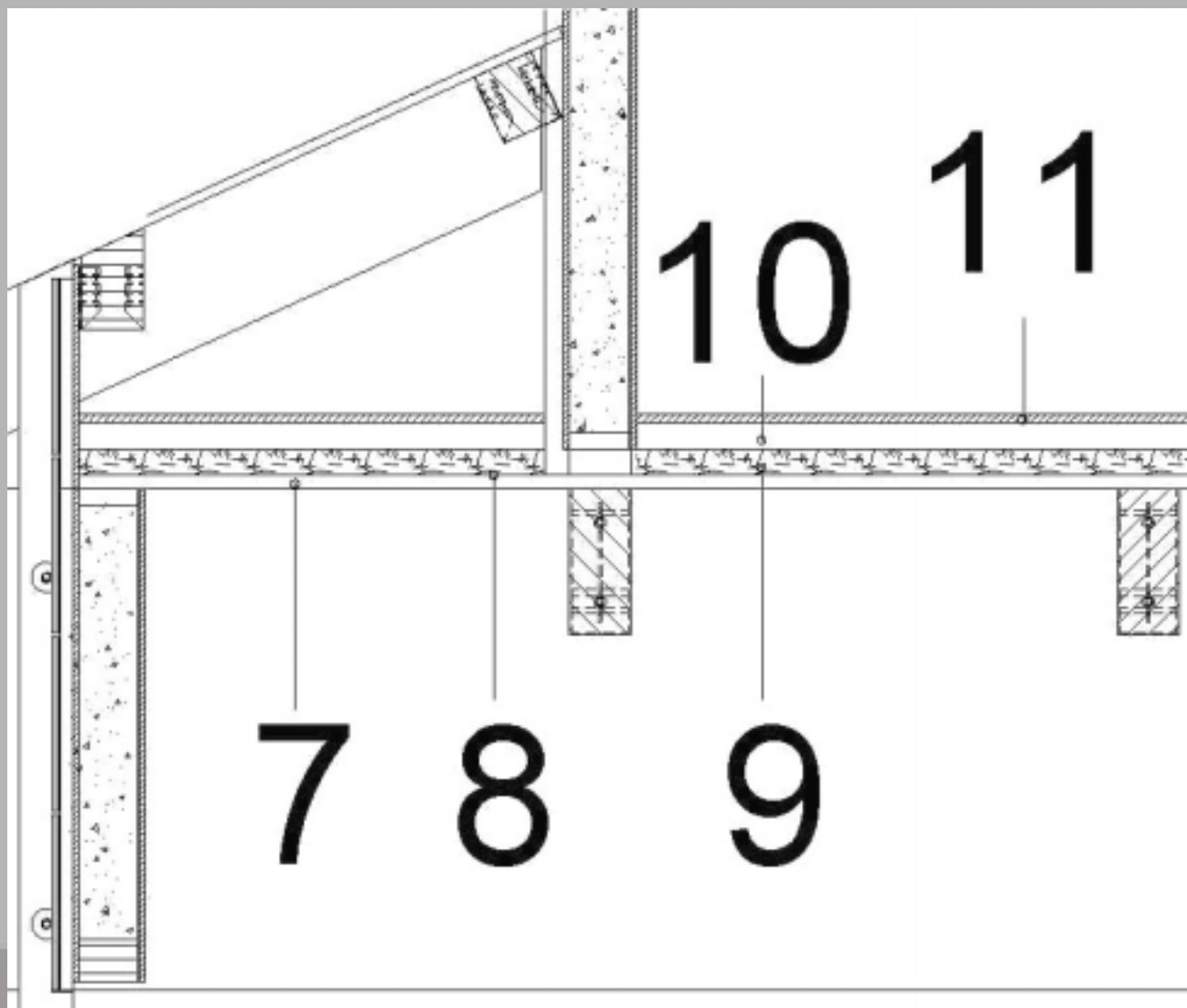
Soluzioni per
durare nel tempo

**CORPO "B" :
SEZ. A-A**

CARICO SOLAIO 3.9 KN/mq



CORPO "B" : PART. SOLAIO



7 - Pannello strutturale in legno s=4.2 cm

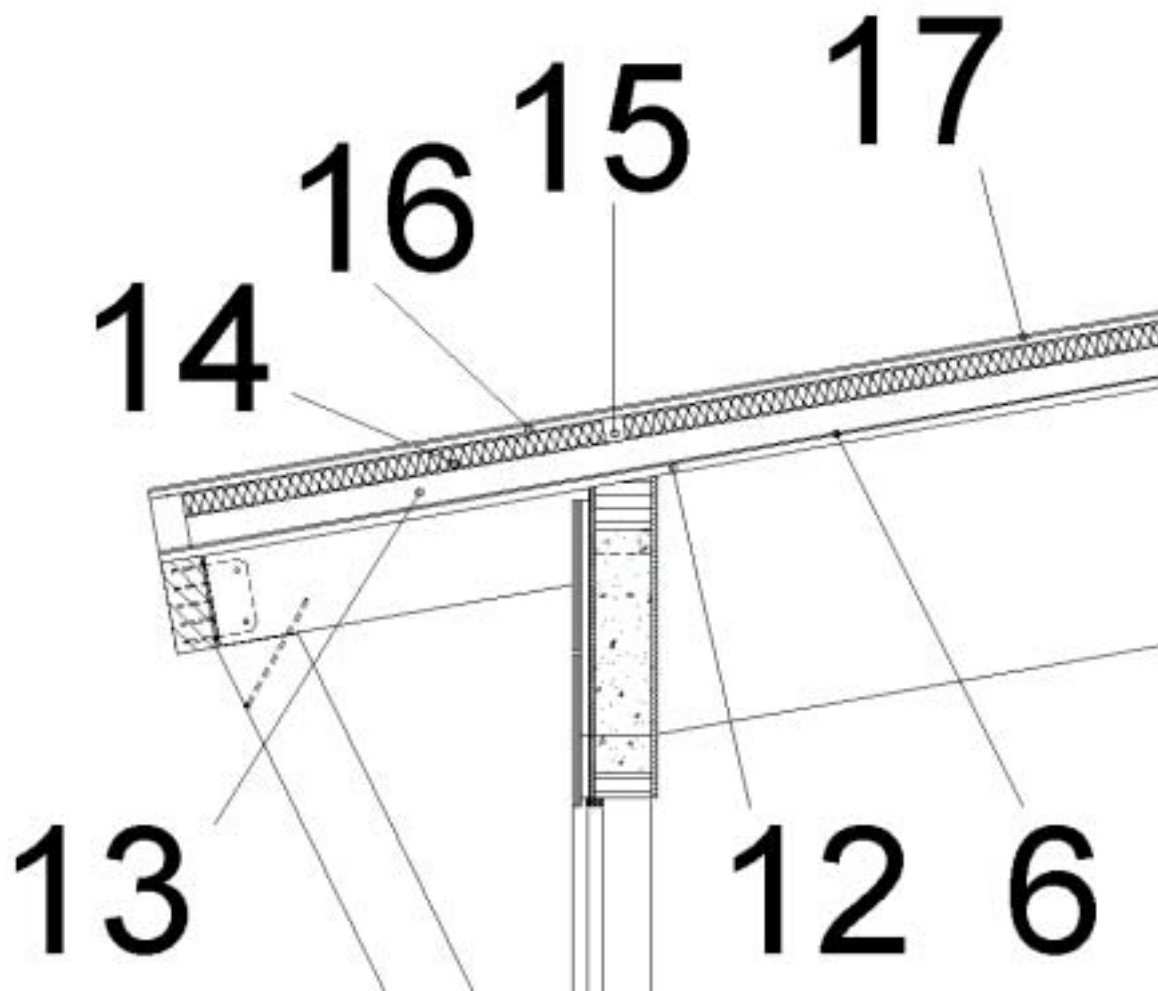
8 - Foglio di protezione

9 - Fermacell Estrich Wabe alveolare, pietrisco di marmo s=□ cm

10 - Pannello in fibra di legno pressato s=□ cm

11 - Pannello in fibra di gesso rigido s=2 cm

CORPO "B" : PART. COPERTURA



□ - Barriera vapore

**12 - Pannello strutturale
in legno s=2.2cm**

**13 - Pannello in fibra di legno
pressato s= 8 cm**

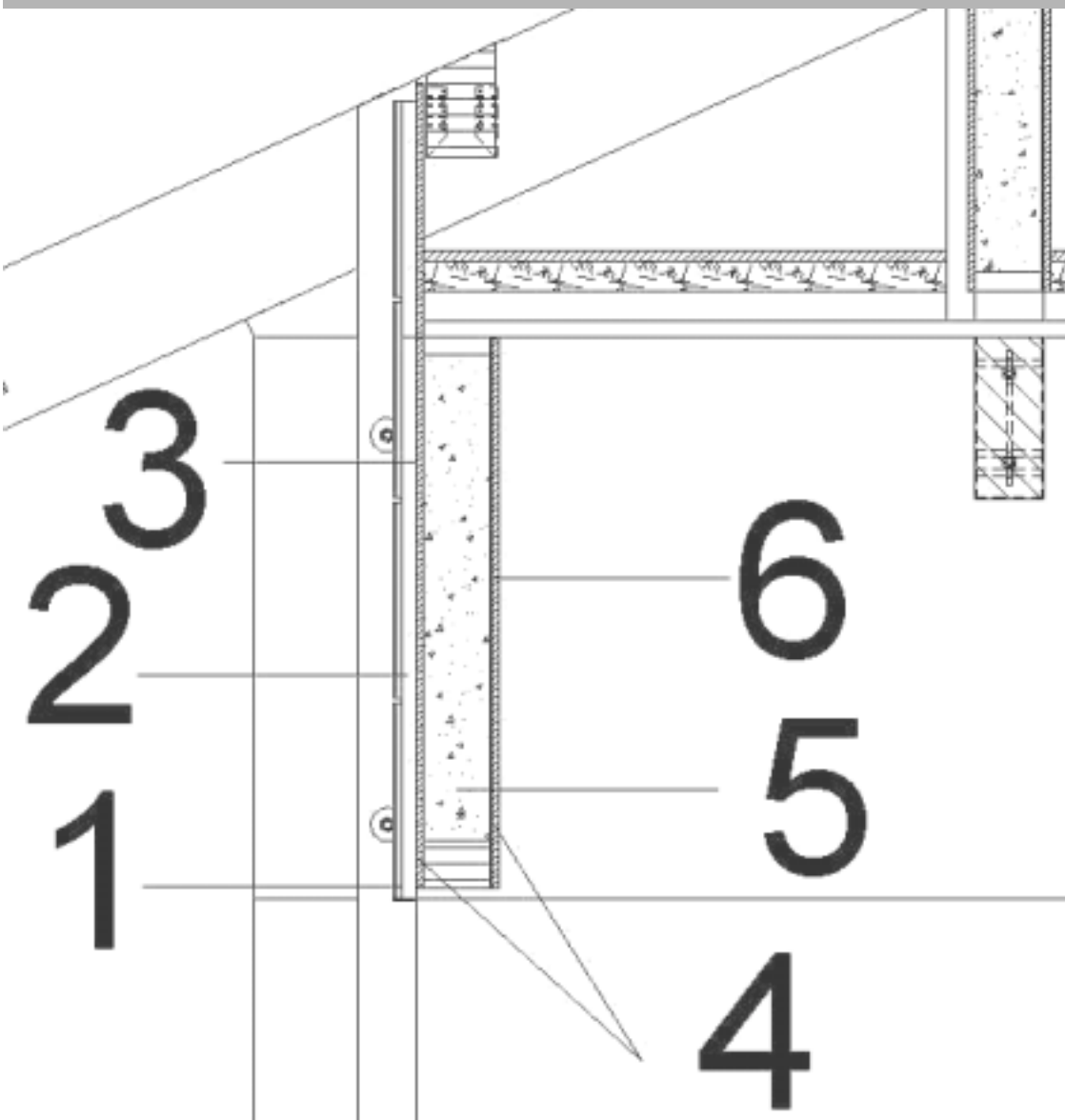
**14 - Lana di roccia s= □ cm;
80 kg/mc**

**15 - Listello 5x□ cm interposto
alla lana di roccia ; i= ca 1.2 mt**

1□ - Pannello OSB s=1.8 cm

**17- Guaina traspirante
microforata**

CORPO "B" : PART. PARETI



1 - Pannelli a 3 strati in legno di larice

2 - Listello di aerazione 3x□ cm

3 - Foglio traspirante microforato

4 - Pannello OSB s=1.2 cm

**5 - Lana di roccia s=14 cm,
montanti verticali
in legno lamellare s=14 cm**

□ - **Barriera vapore**



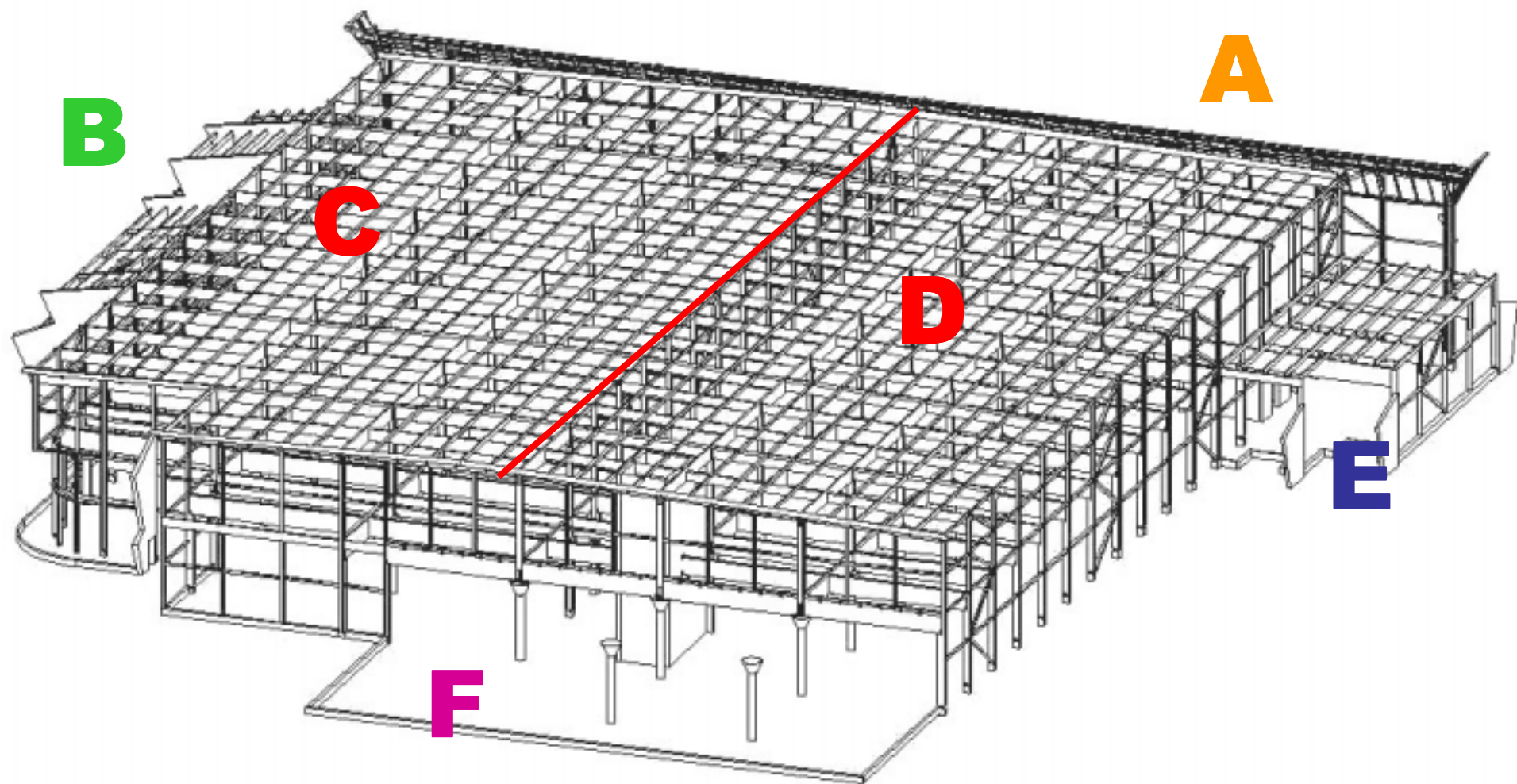
CORPO “B” : STRUTTURA PORTANTE





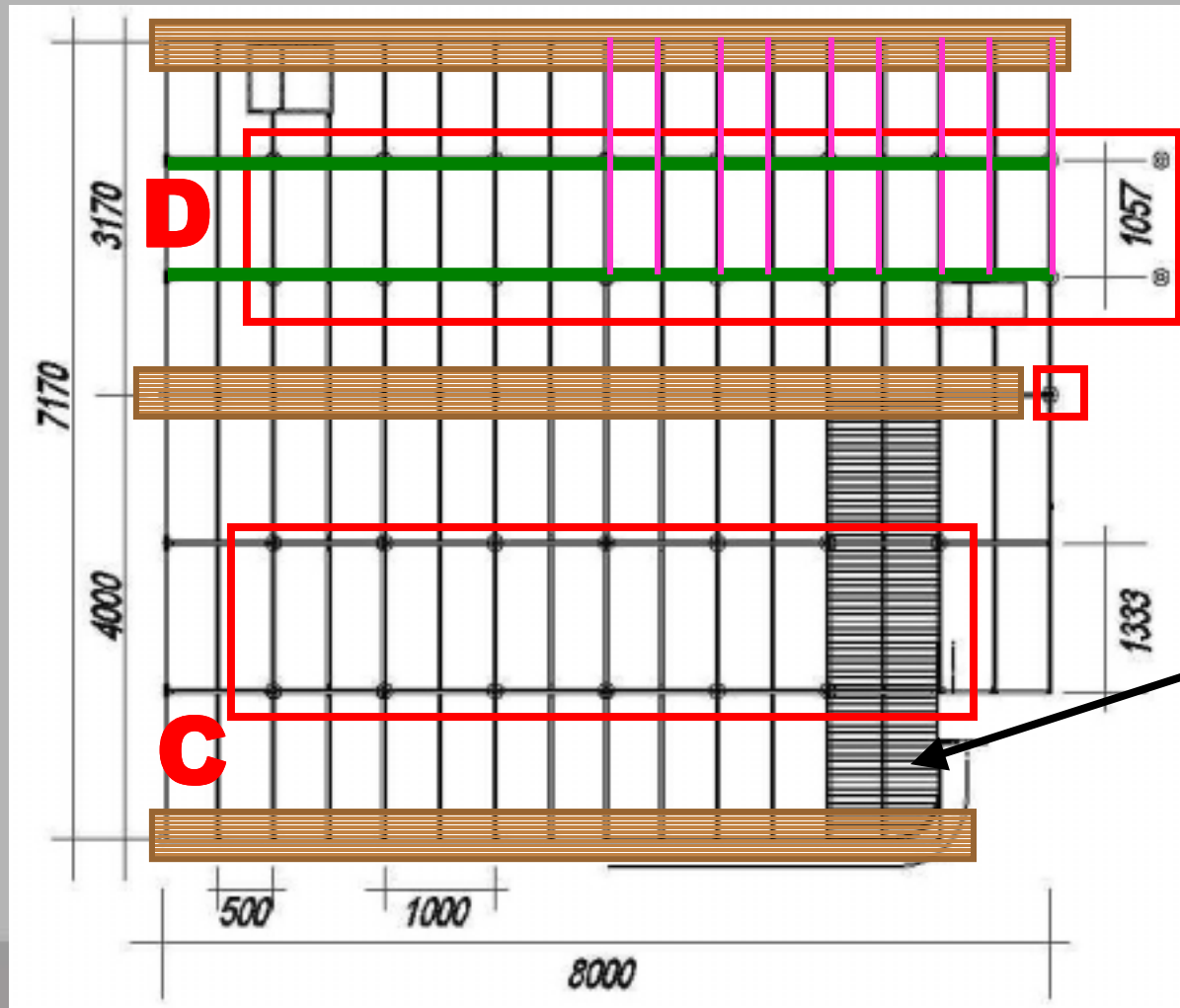
CORPO "B"

CORPO “C-D” : PRODUZIONE



CORPO "C-D" : PIANTA DEL SOLAIO

CARICO COMPLESSIVO SOLAIO 11.8 KN/mq



□ PILASTRI IN C.A.

▨ PILASTRI IN L.L.

— ARCHITRAVE
2X20X150. □ cm

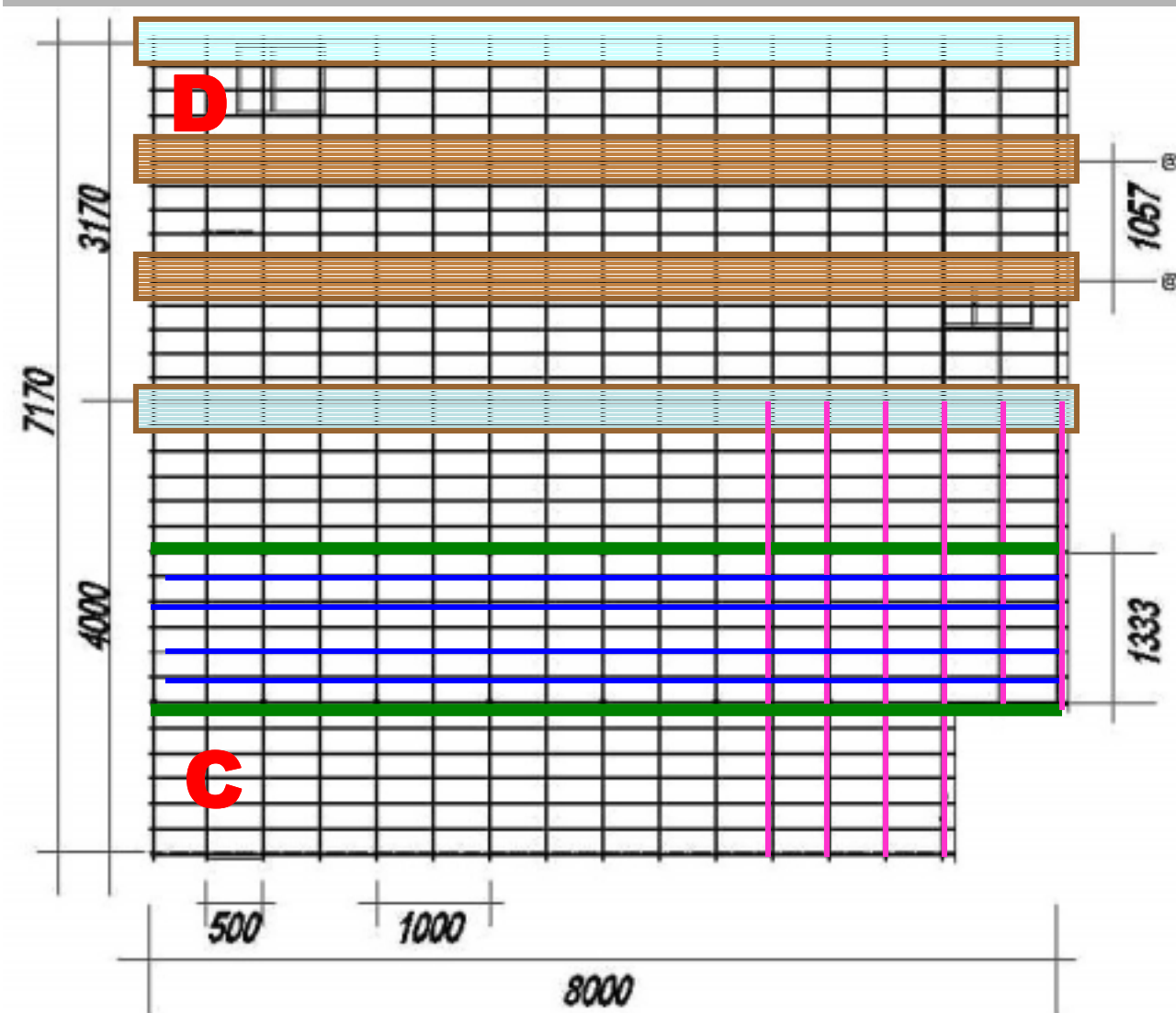
— TRAVE II^a
2X1 □ X150. □ /137
cm

RINFORZO
SOLAIO ZONA
MATURATORI

TRAVE III^a
14X2 □ .3 CM

CORPO "C-D" : PIANTA DELLA COPERTURA

CARICO COMPLESSIVO COPERTURA 1.9 KN/mq



PILASTRI IN L.L.

i=5 mt



PILASTRI IN L.L.

i=10 mt



ARCHITRAVE

1□x90.7 cm



TRAVE II^a

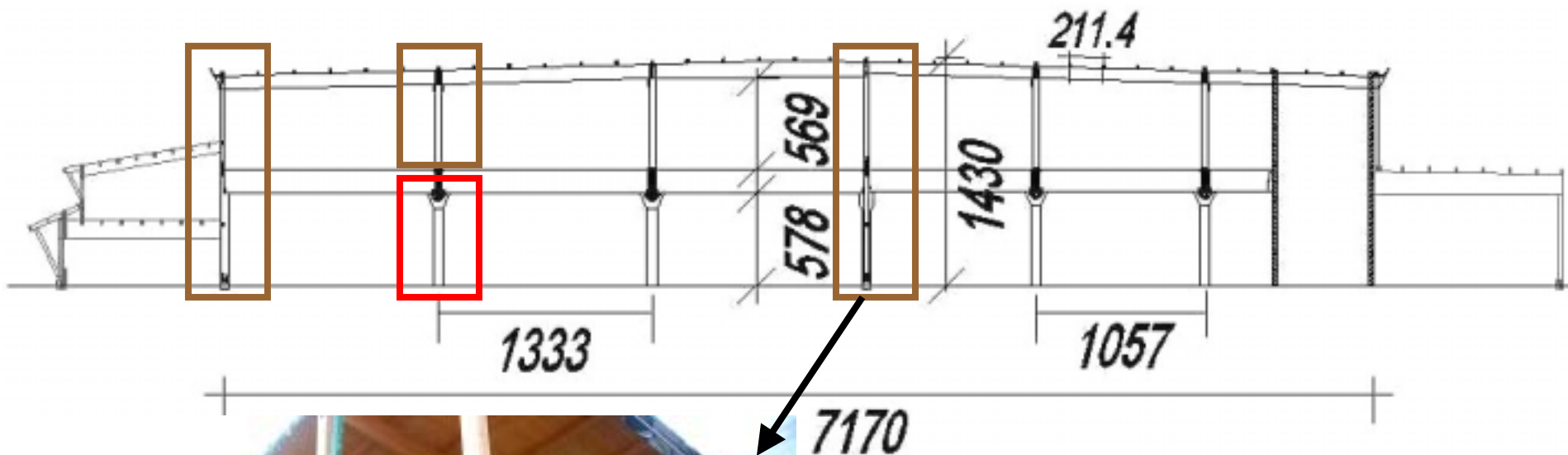
1□x70.2 cm



TRAVE III^a

14X23 cm

CORPO "C-D" : SEZIONE TRASVERSALE



 **PILASTRI IN C.A.**

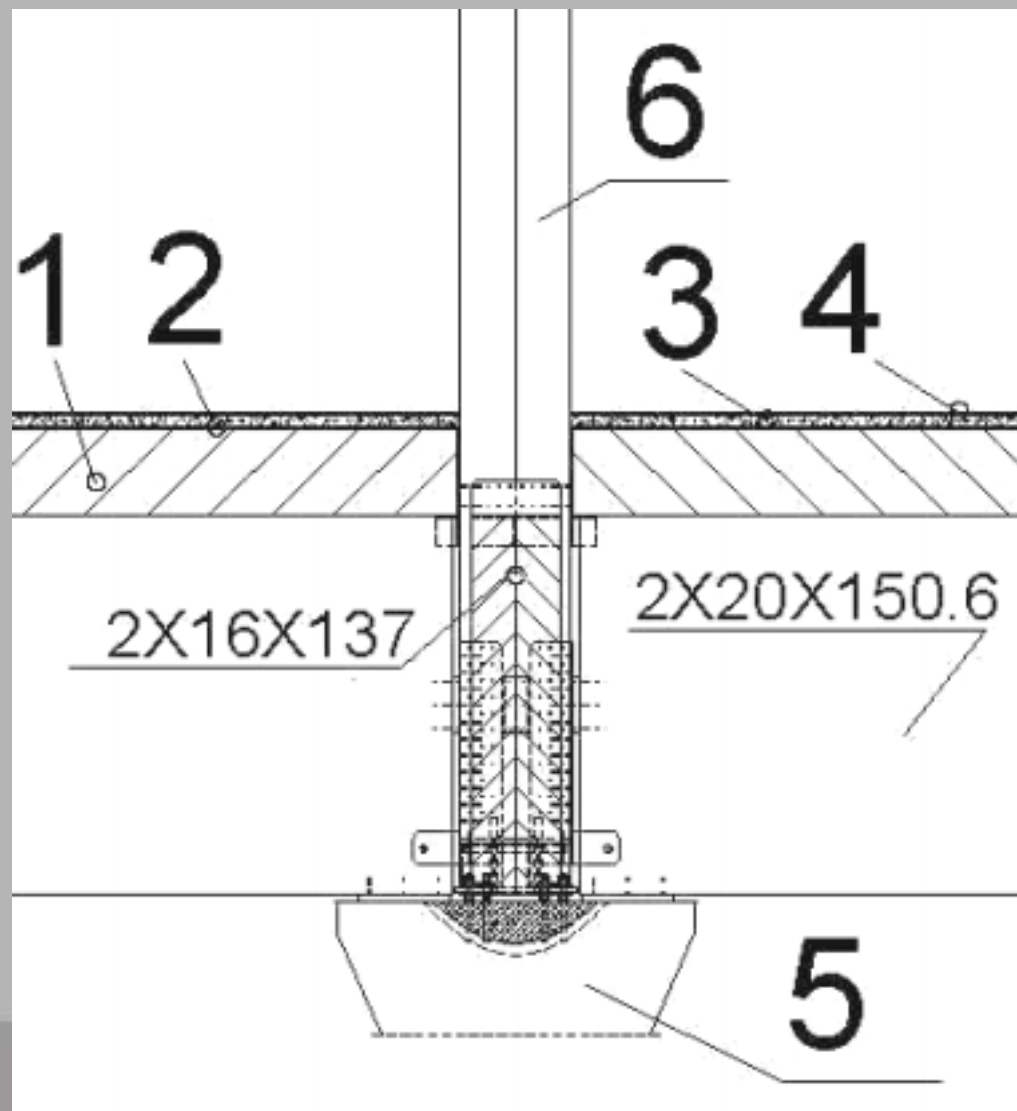
 **PILASTRI IN L.L.**



CORPO “C-D” : PART. CONNESSIONI



CORPO “C-D” : PARTICOLARE SOLAIO E PILASTRI IN LEGNO LAMELLARE INCASTRATI SUI PILASTRI IN C.A.



**1 - Pannello strutturale
in legno s=1□ cm**

**2 - Foglio di separazione
in silicone**

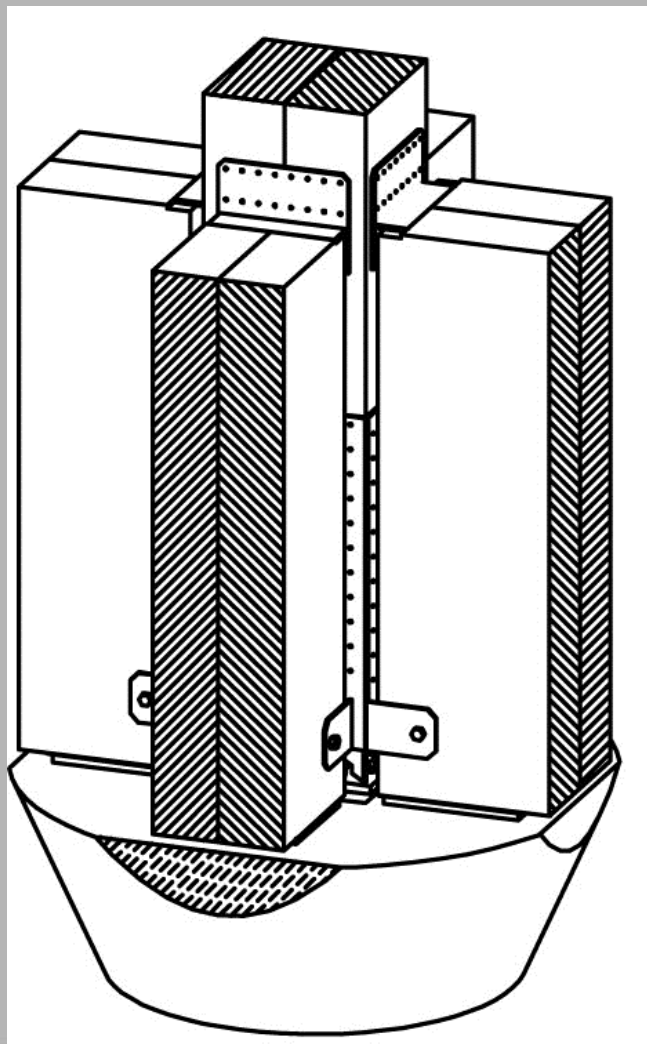
**3 - Piastrelle in cemento
compresso s=2 cm**

**4 - Spalmatura e
verniciatura epossidica**

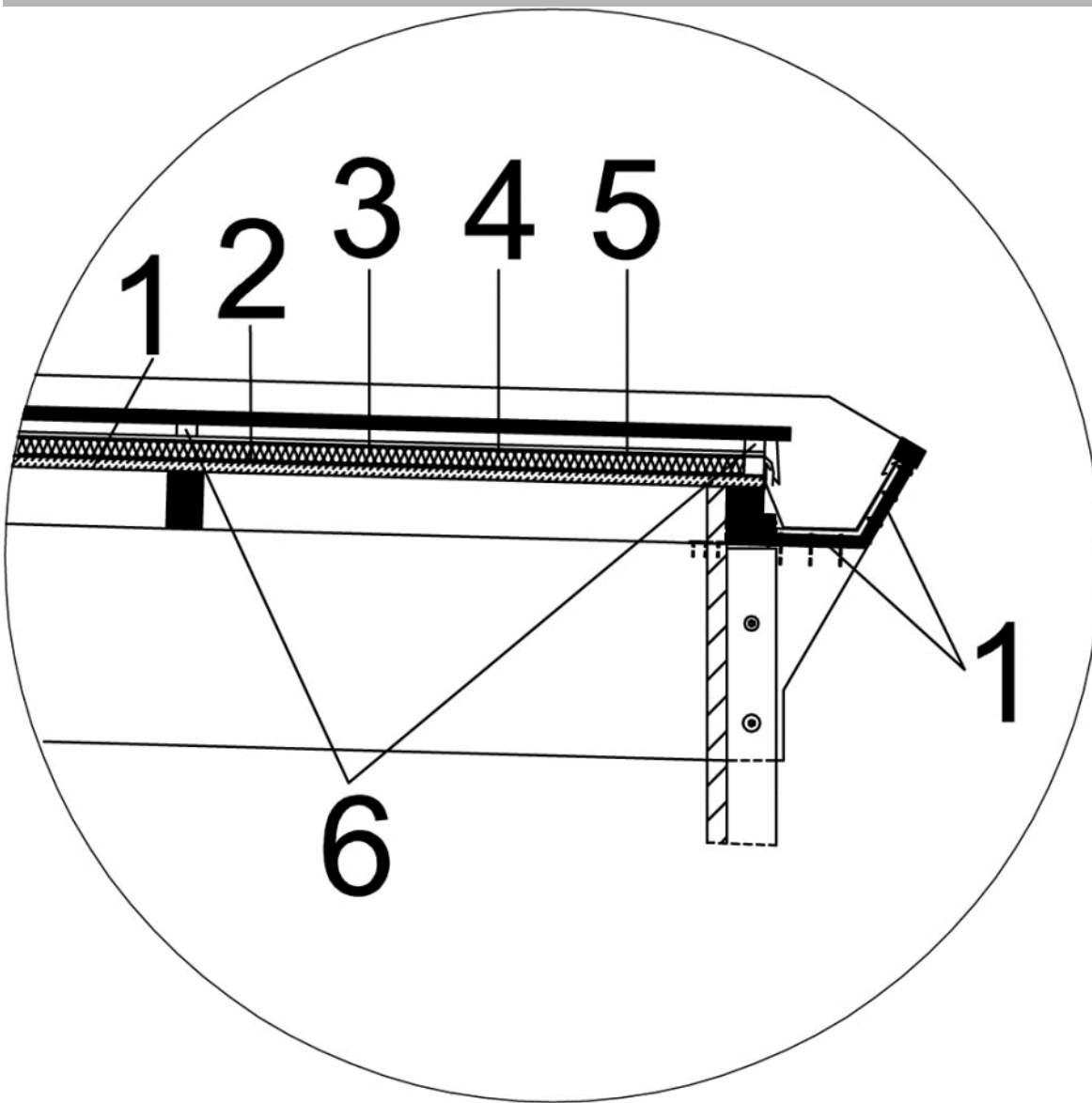
5 - Pilastro in c.a.

**□ - Pilastro incastrato in
legno lamellare**

CORPO "C-D" : PARTICOLARE CONNESSIONE SOLAIO



CORPO "C-D": PART. PACCHETTO DI COPERTURA



1 - Pannello strutturale in legno $s=4.2$ cm

2 - Barriera vapore

3 - Polistirene estruso $s=8$ cm; densità 30 kg/mc

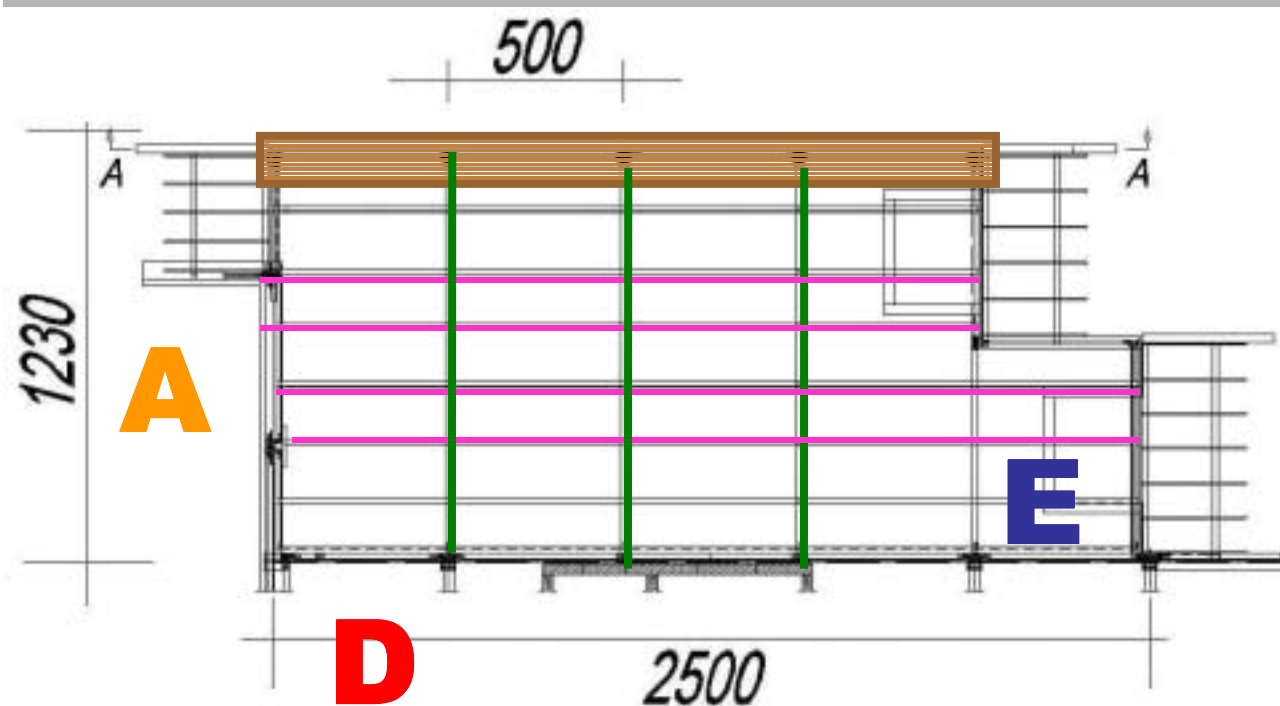
4 - Foglio traspirante microforato

5 - Listelli 5x2 cm

□ - Listelli 8x5 cm

CORPO "E" CARICO SCARICO: PIANTA

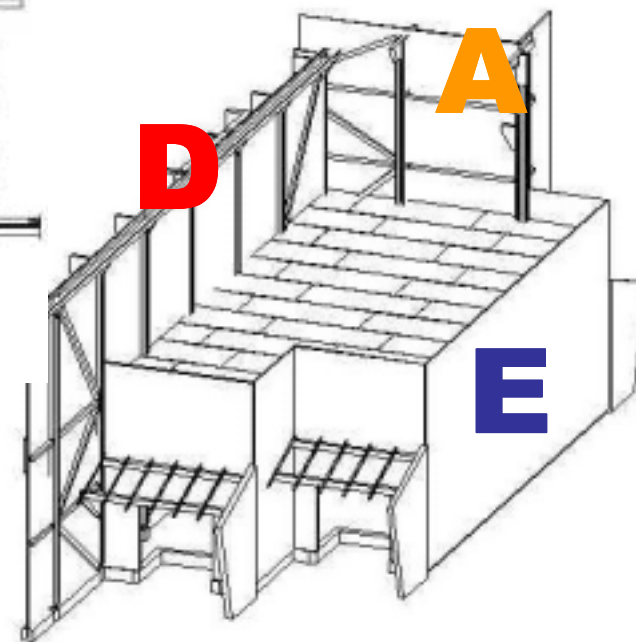
CARICO COMPLESSIVO SOLAIO 0.8 KN/mq

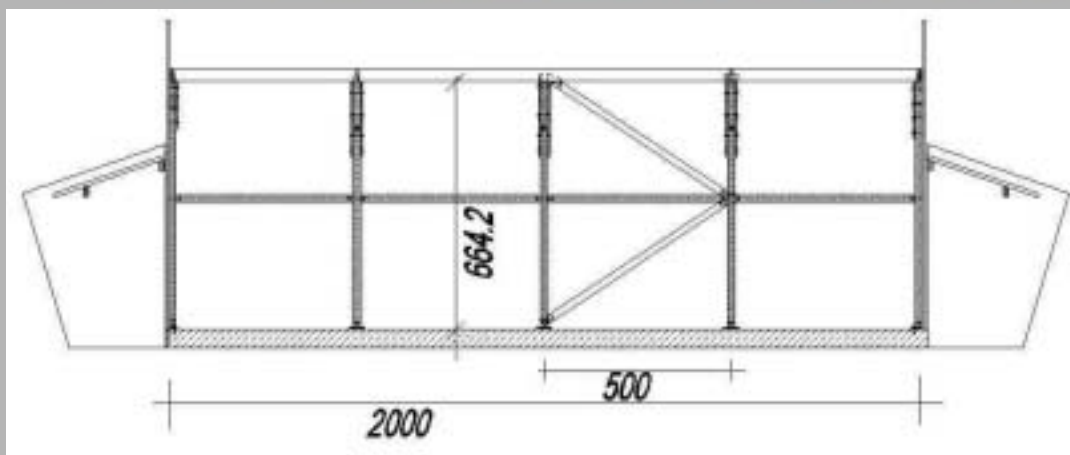


PILASTRI IN L.L.
18x30.4 cm

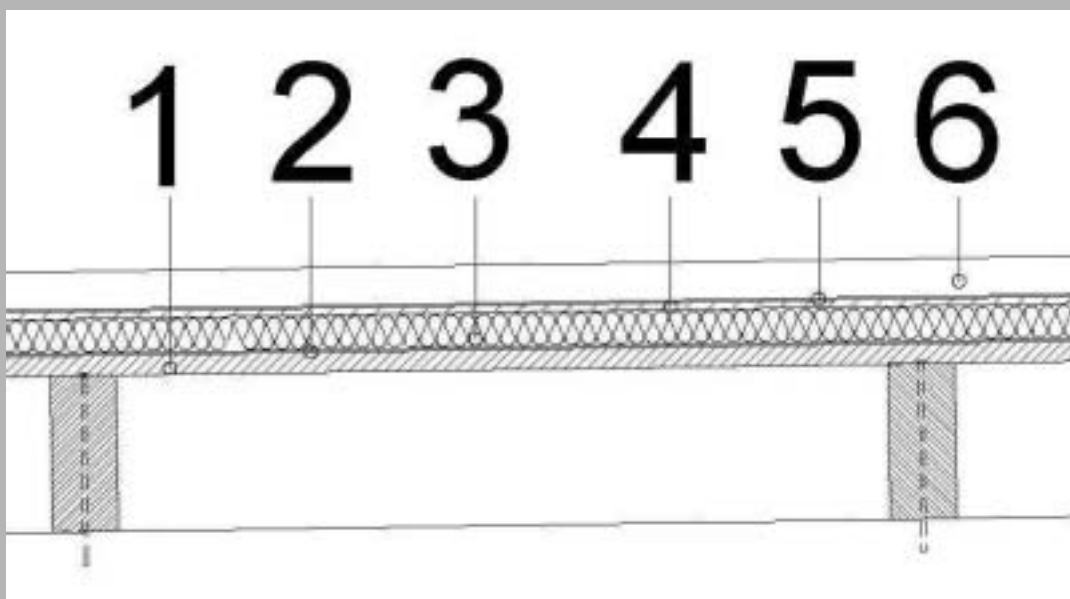
— TRAVE I^a
18x148.2 cm

— TRAVE II^a
14x33 cm





CORPO E: SEZIONE A-A PART. PACCHETTO DI COPERTURA



**1 - Pannello strutturale in legno
 $s=4.2$ cm**

2 - Barriera vapore

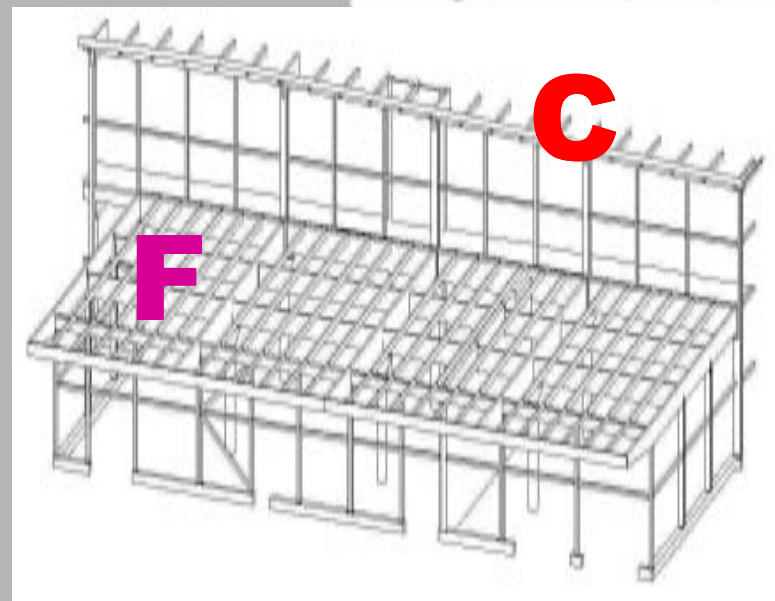
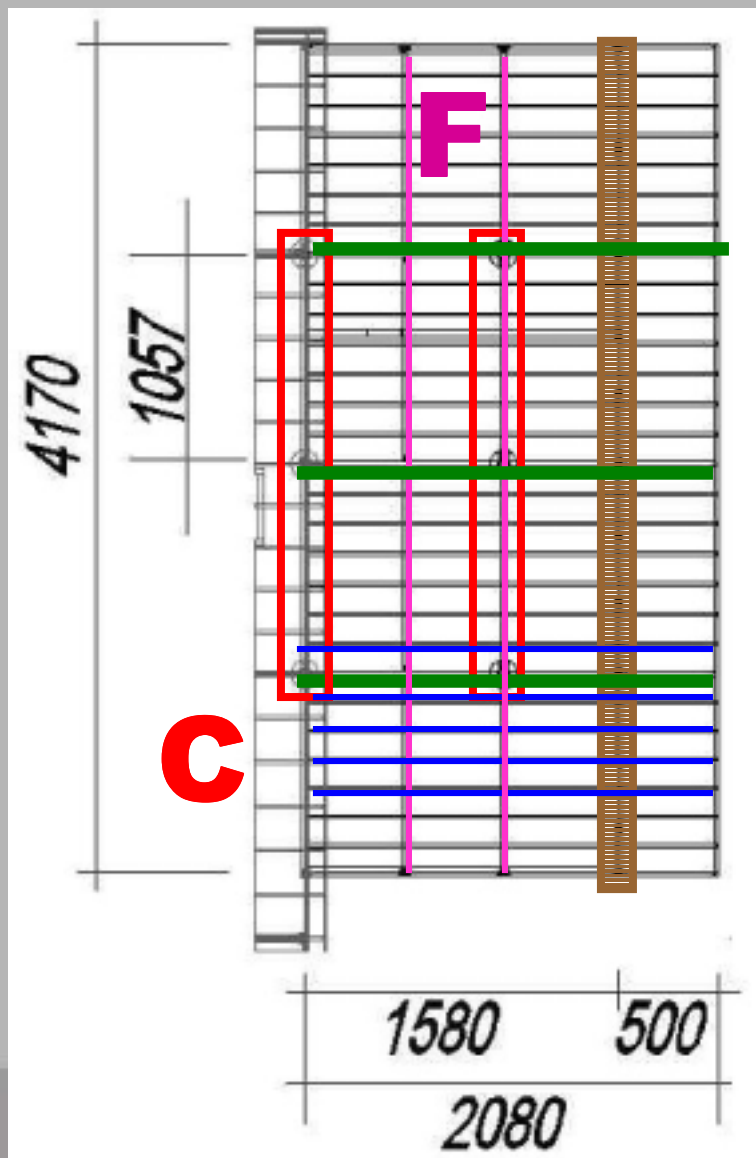
**3 - Polistirene estruso $s=8$ cm;
densità 30 kg/mc**

**4 - Pannello in fibra di cemento
 $s=2.2$ cm**

5 - Doppia guaina

**□ - Pavimento industriale $s=8$
cm**

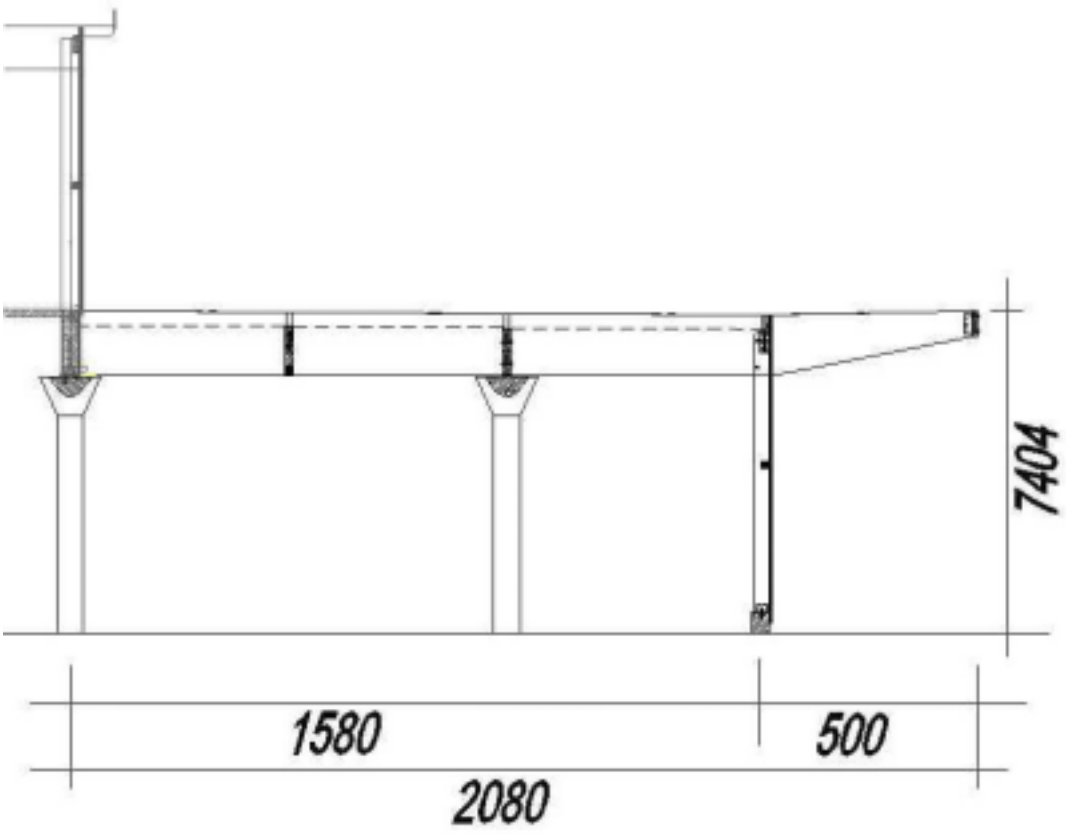
CORPO F IMPIANTI: PIANTA COPERTURA



- | | | | |
|---|---|---|---|
|  | PILASTRI
IN C.A. |  | PILASTRI IN L.L.
1□ X33 CM |
|  | ARCHITRAVE
20X149.4 cm |  | TRAVE II^a
20X110.4 cm |
|  | TRAVE III^a
14x23 cm | | |

CORPO F: SEZIONE E PART. PACCHETTO

CARICO COMPLESSIVO SOLAIO □.8 KN/mq





MONTAGGIO DICEMBRE '03 CORPO A



MONTAGGIO CORPO B



CORPO "C-D"



MONTAGGIO CORPO C-D



MONTAGGIO CORPO E





MONTAGGIO CORPO F



NUOVA SEDE TRENTINALE



Soluzioni per
durare nel tempo





Project manager: Oswald Grömminger

**Progetto statico strutture in legno lamellare:
Oswald Grömminger, Martin Priller, Markus Enzinger
Holzbau S.p.A.**

**Progettazione costruttiva:
Michael Hoffman, Marc André Leja, Heinz Puntajer,
Alexander Manzoni Holzbau S.p.A.**

Posa in opera: Oberrauch GmbH

Grazie