

Rev.N.	Nota sulla revisione:	Data:	Sigla	Visto
01	Cambio orientamento edificio	26.4.20	fd	FD

Committente:

## Comune di Cervarese Santa Croce

Piazza A. Moro n.9 - 35030 Cervarese Santa Croce (PD)



Definitivo - Esecutivo

### Intervento di adeguamento sismico ed ampliamento del servizio di asilo nido in nuovo edificio in sostituzione di edificio esistente

Elaborati grafici

varie

**3**

Il Responsabile del Procedimento:

Protocollo:

L'Impresa:

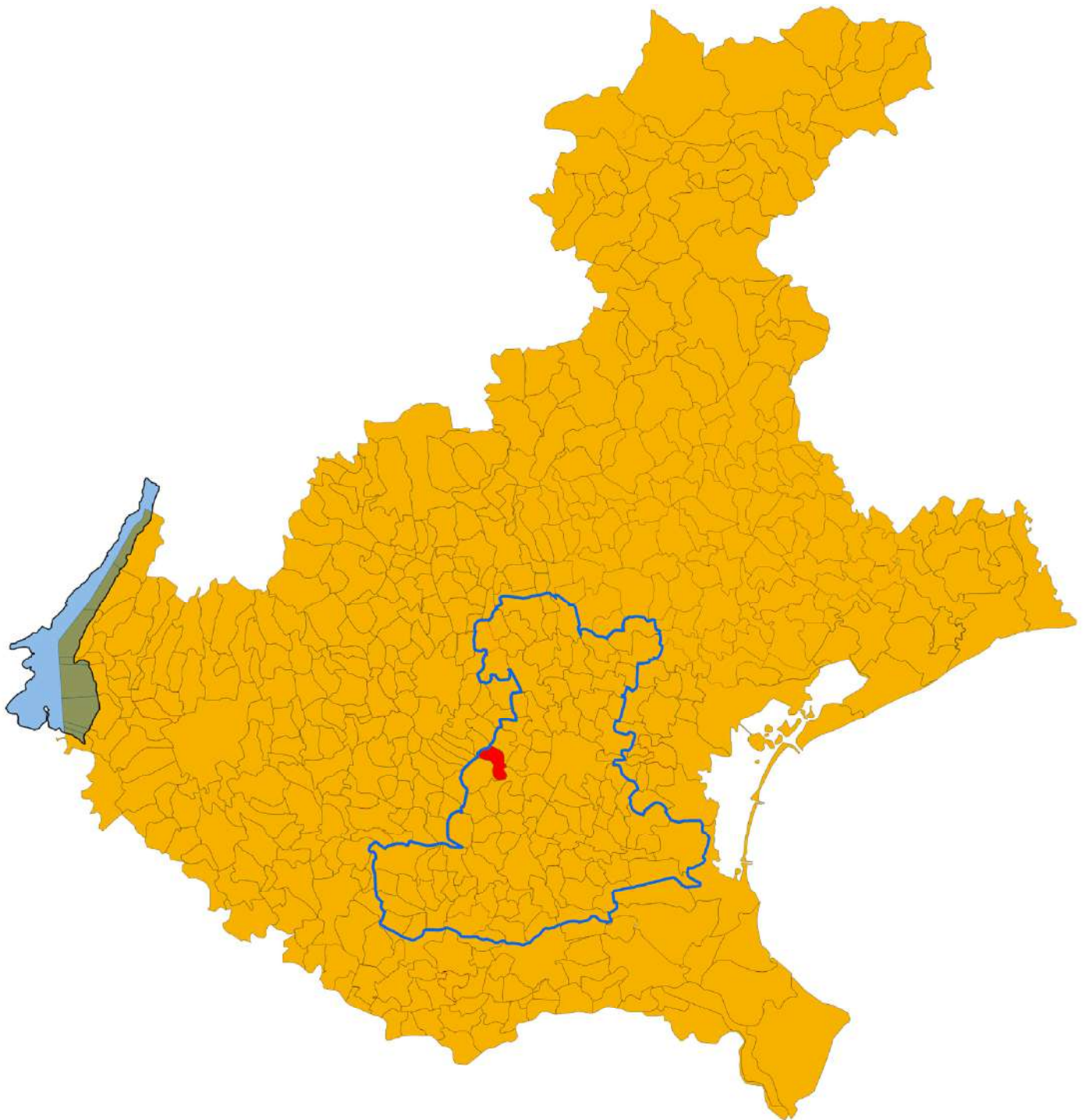
Progettista:

 **Ing. Dario Fantato**

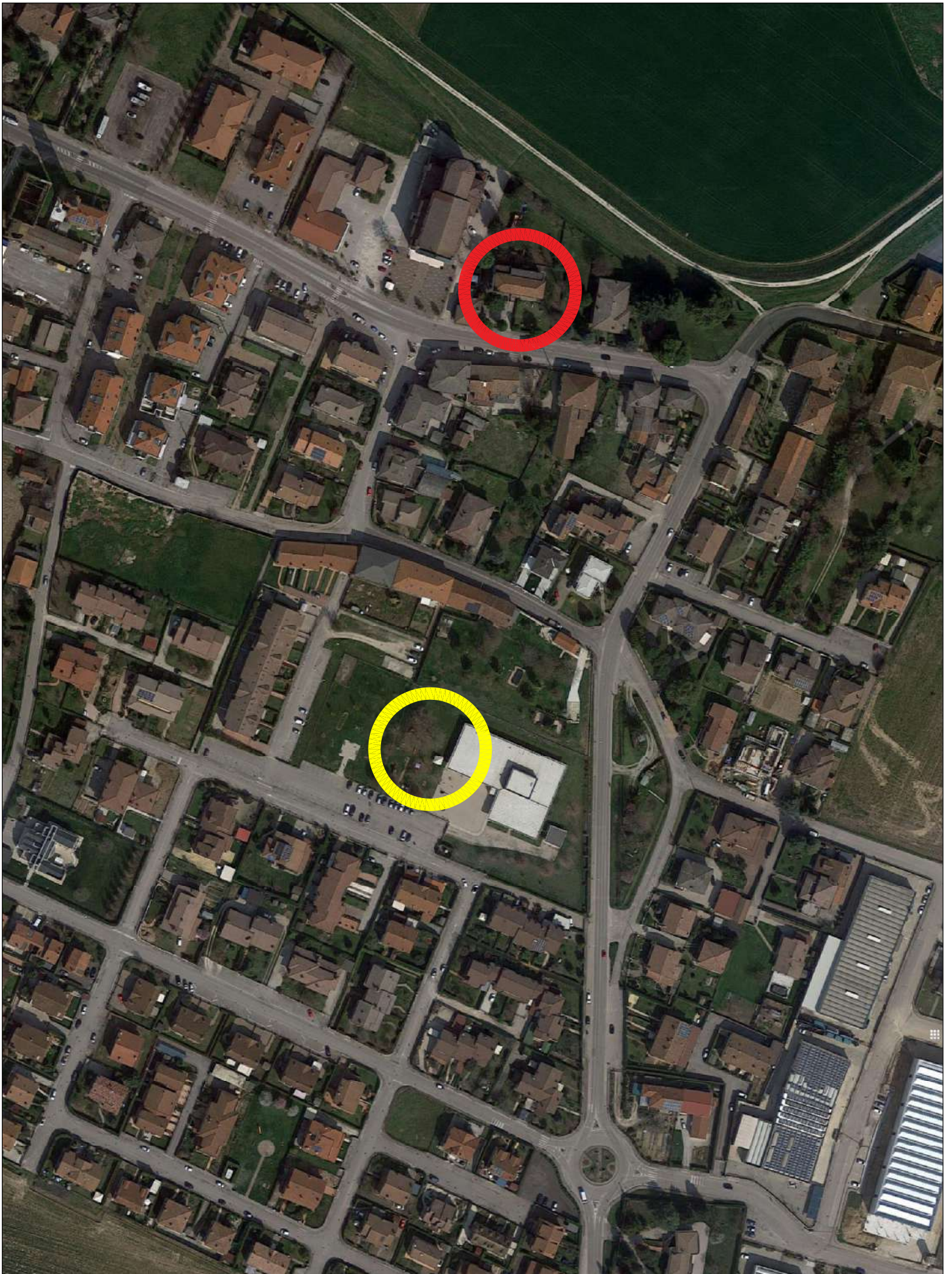
Via Rossini n.21 - 35030 Cervarese S. Croce (PD) - Tel. e Fax 049-9900556 - e-mail: dario@fantato.it



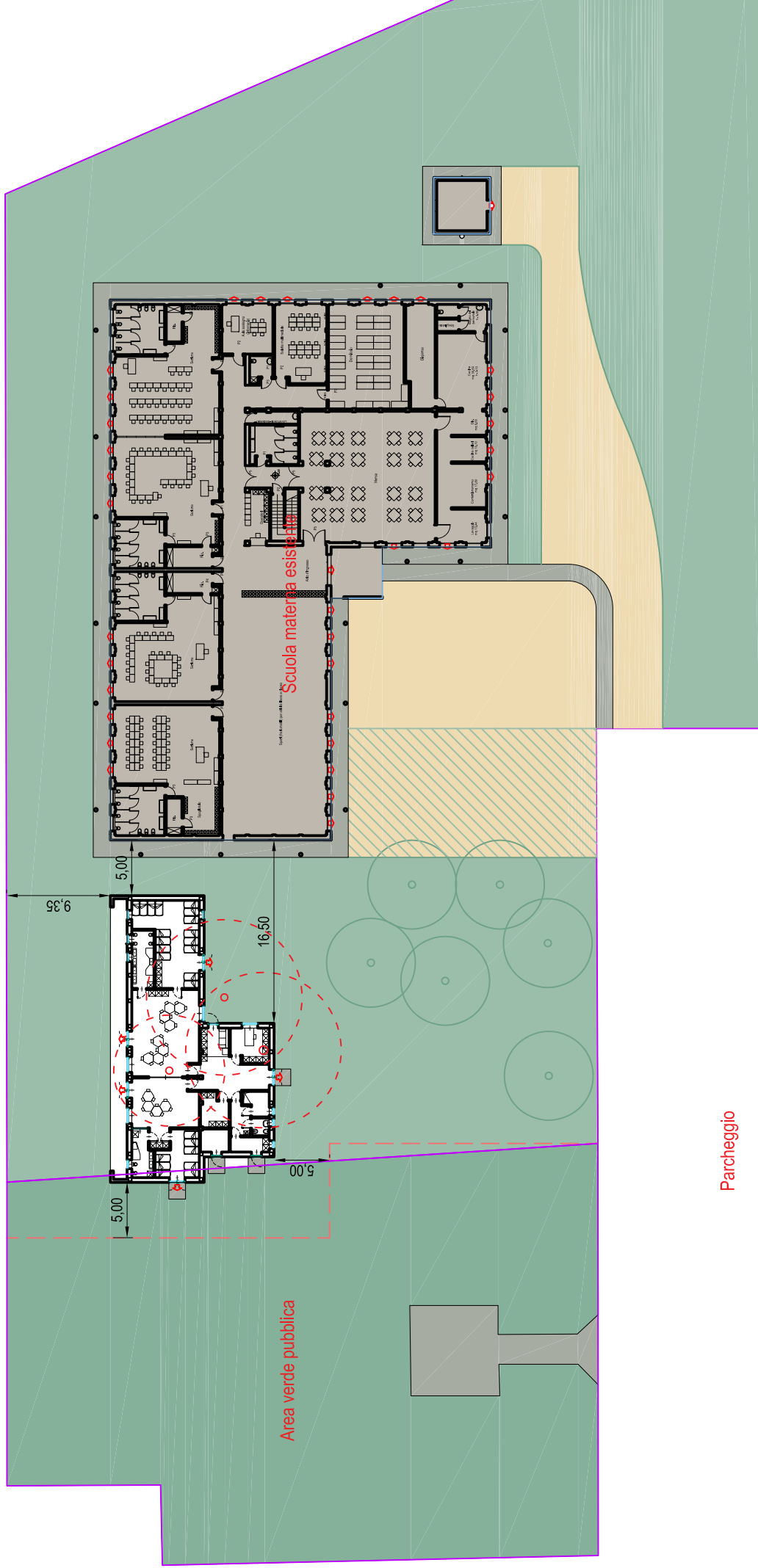
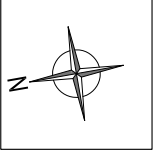
Disegnatore: fd	Visto: FD	Data: 28.10.2019	Nome file: Nido	Approvato - Data 28.10.2019
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Inquadramento del Comune di Cervarese Santa Croce nell'ambito territoriale del Veneto

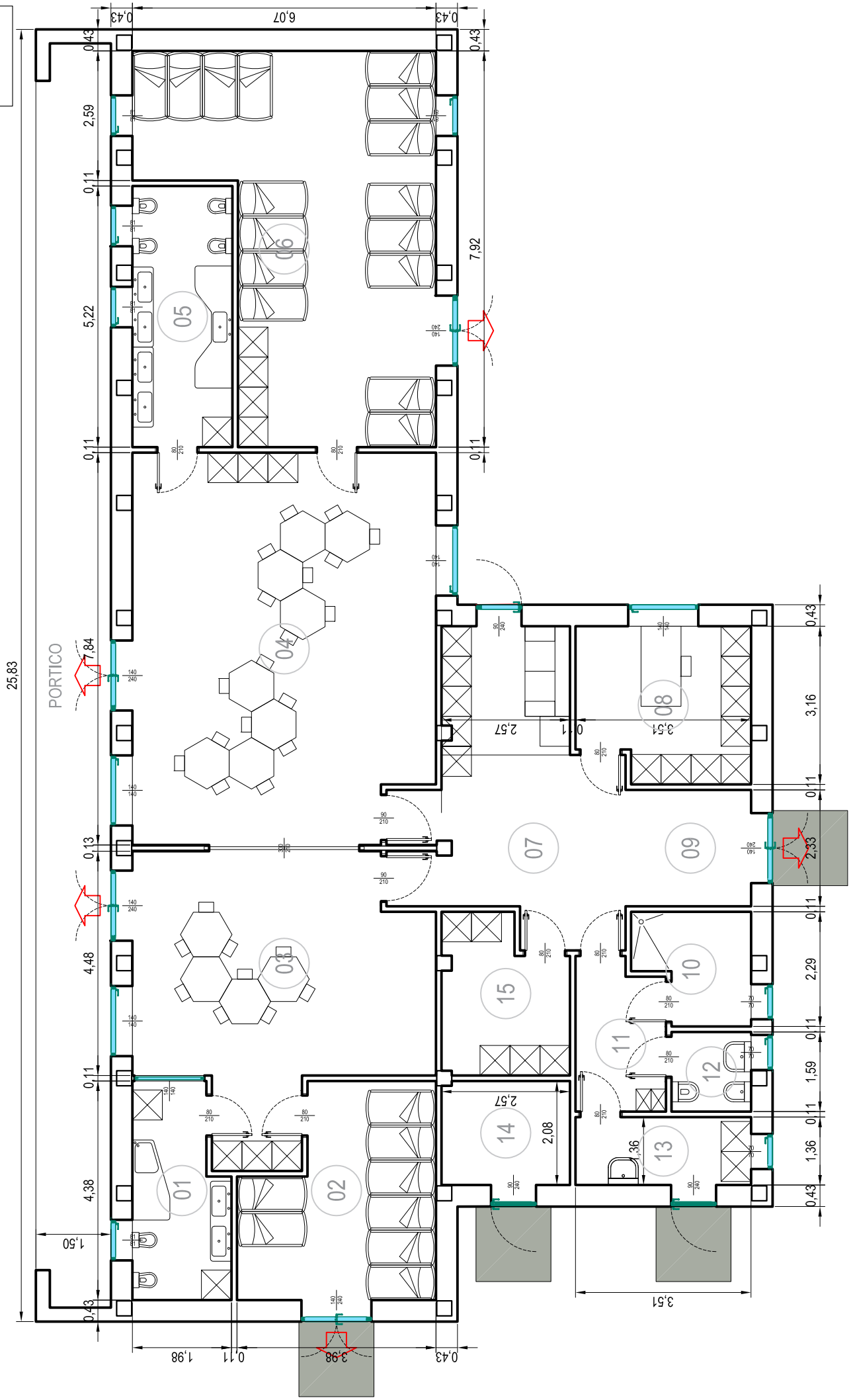
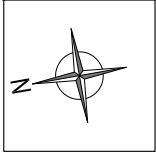


Inquadramento nell'ortofoto: l'edificio con l'attuale nido e l'area di ampliamento a fianco della materna



Area verde pubblica

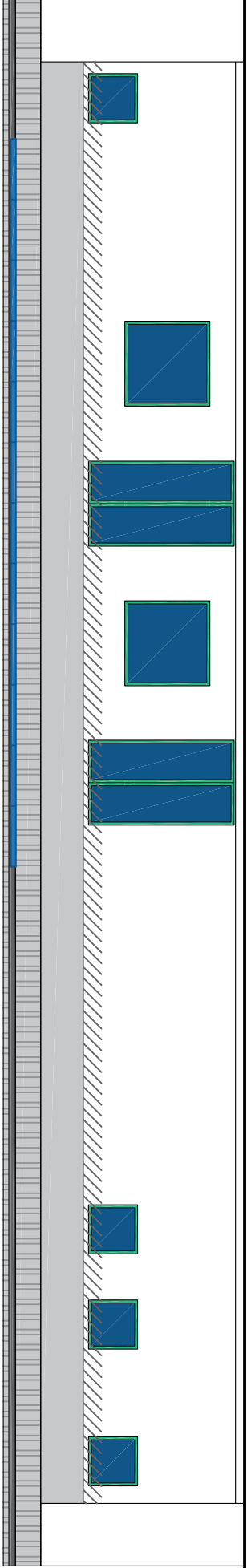
Parcheggio



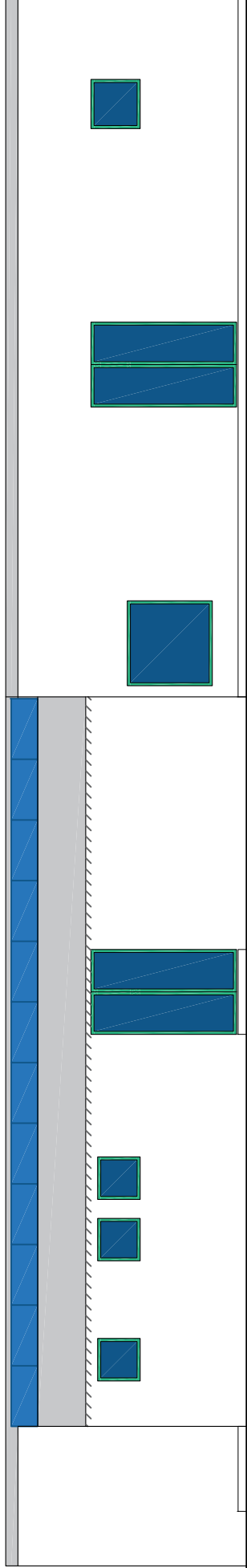
Pianta - Scala 1:100

### DATI CARATTERISTICI DEI LOCALI

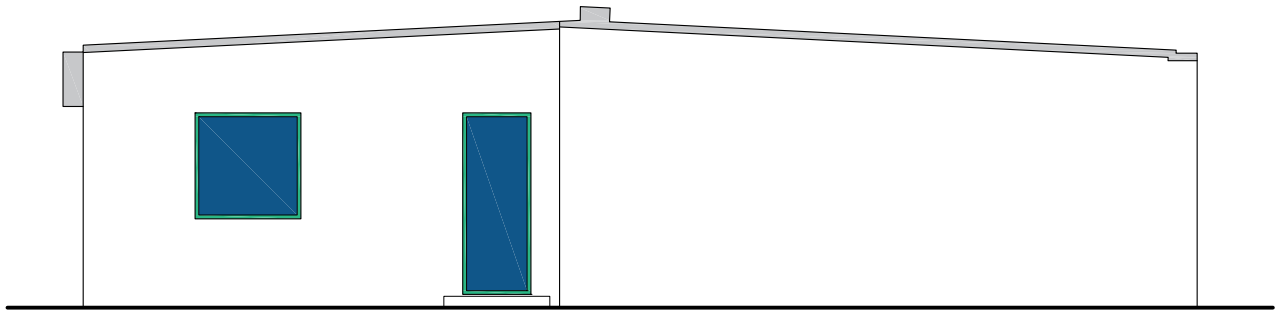
Rif.	Descrizione locale	Superficie netta (m <sup>2</sup> )	Altezza media (m)	Volume netto (m <sup>3</sup> )	Superficie finestrata (m <sup>2</sup> )
1	W.C. Lattanti	7,72	3,00	23,16	0,66
2	Sonno Lattanti	14,74	3,00	44,22	3,36
3	Sala Lattanti	29,32	3,00	87,96	5,32
4	Sala Divezzi	46,27	3,00	138,81	7,28
5	W.C. Divezzi	10,44	3,00	31,32	1,31
6	Sonno Divezzi	36,83	3,00	110,49	4,67
7	Atrio	21,89	3,00	65,67	2,16
8	Ufficio	10,32	3,00	30,96	1,96
9	Ingresso - Dep. Carrozine	5,84	3,00	17,52	3,36
10	Bagno Insegnanti	4,61	3,00	13,83	0,49
11	Spogliatoio Insegnanti	5,29	3,00	15,87	-
12	W.C. Insegnanti	2,53	3,00	7,59	0,49
13	Lavanderia	4,77	3,00	14,31	0,49
14	Locale Tecnico	5,33	3,00	15,99	-
15	Ripostiglio	7,35	3,00	22,05	-



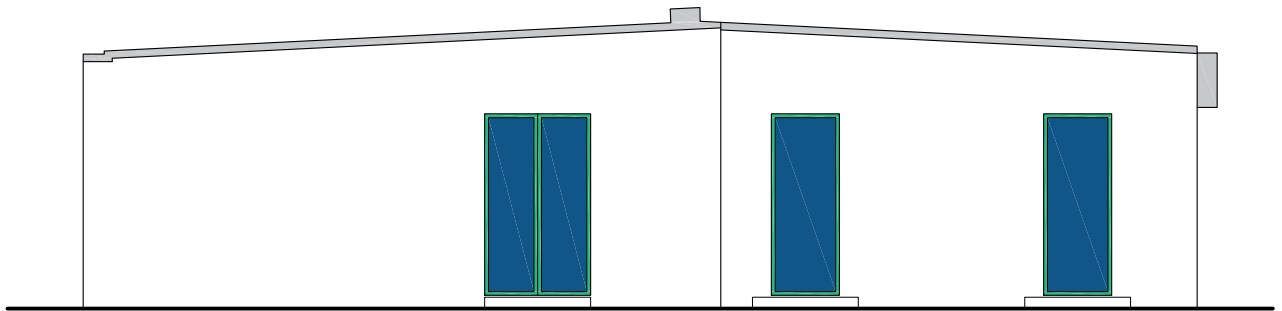
Prospetto nord



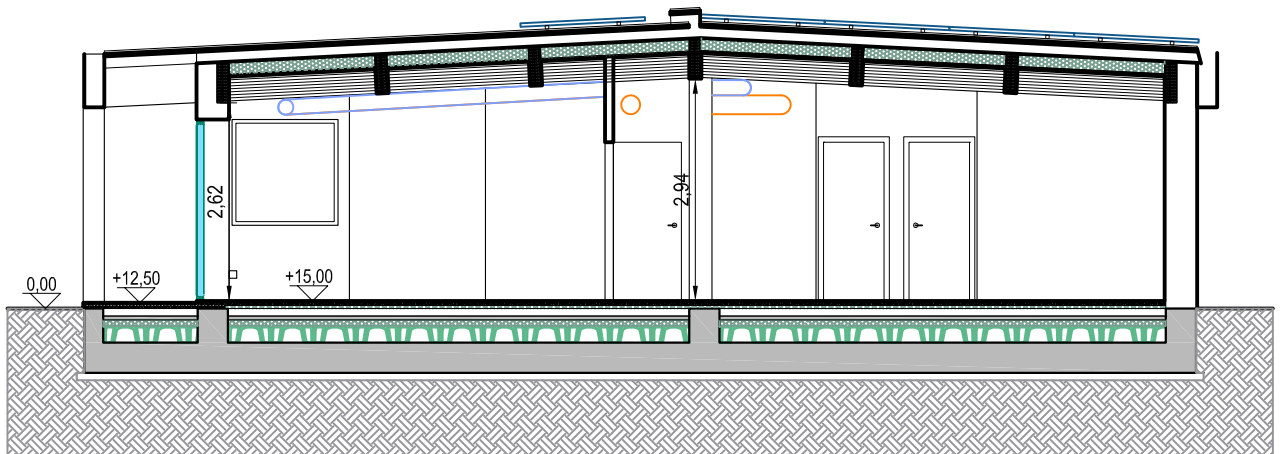
Prospetto sud



Prospetto est

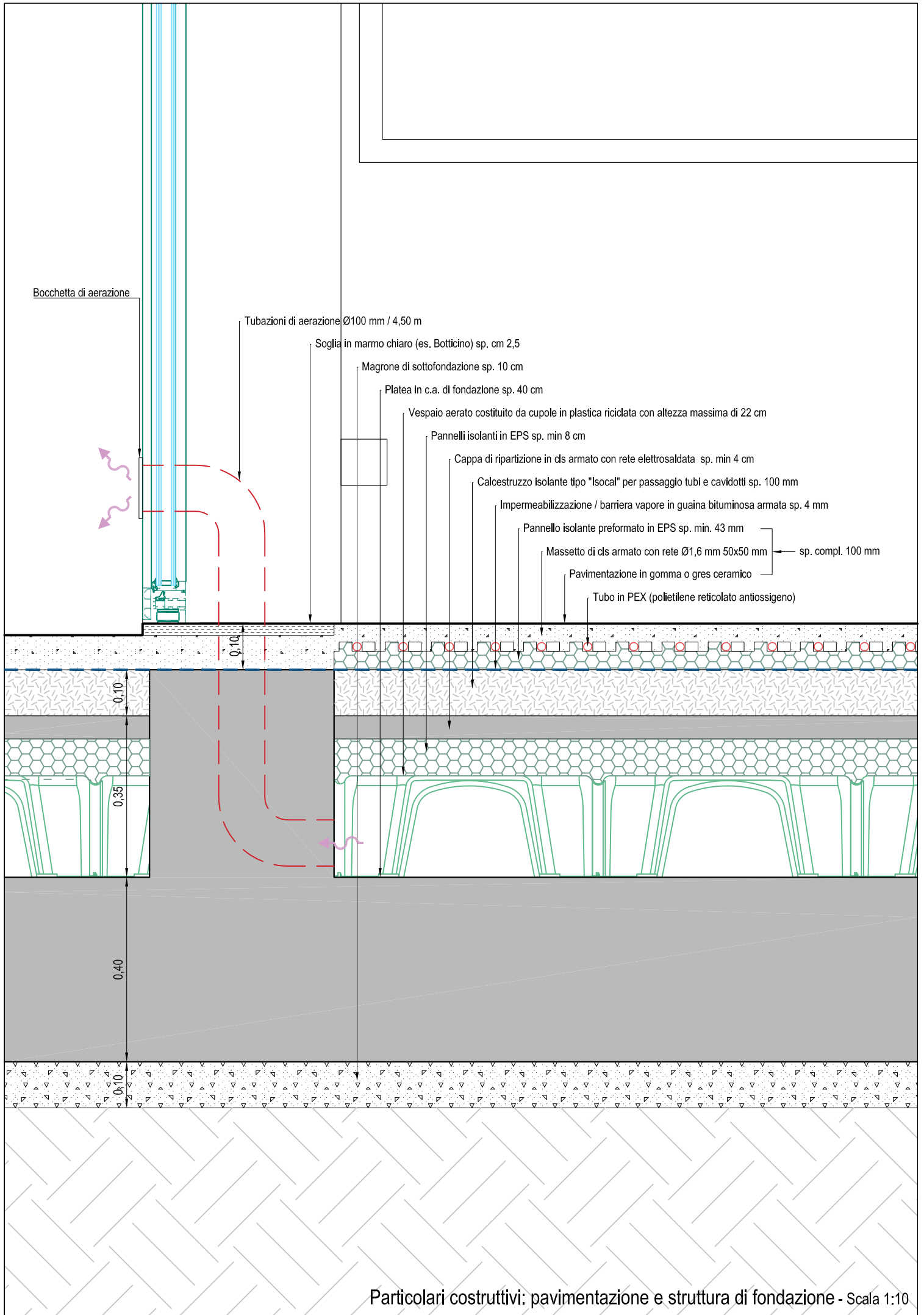


Prospetto est



Sezione





Particolari costruttivi: pavimentazione e struttura di fondazione - Scala 1:10

Trave in legno lamellare sez. 160x520H

Retina antipassero di chiusura dell'intercapedine di ventilazione

Trave in legno lamellare sez. 160x520H

Angolare 30x30x1 in acciaio inox grezzo di supporto perimetrale del perlinato a vista

Perlinato in legno a vista sp. 32 mm

Barriera vapore formata da strato di guaina tipo Rollbase Holland  
Poliestere + Guaina tipo Defend/V entrambe di Index

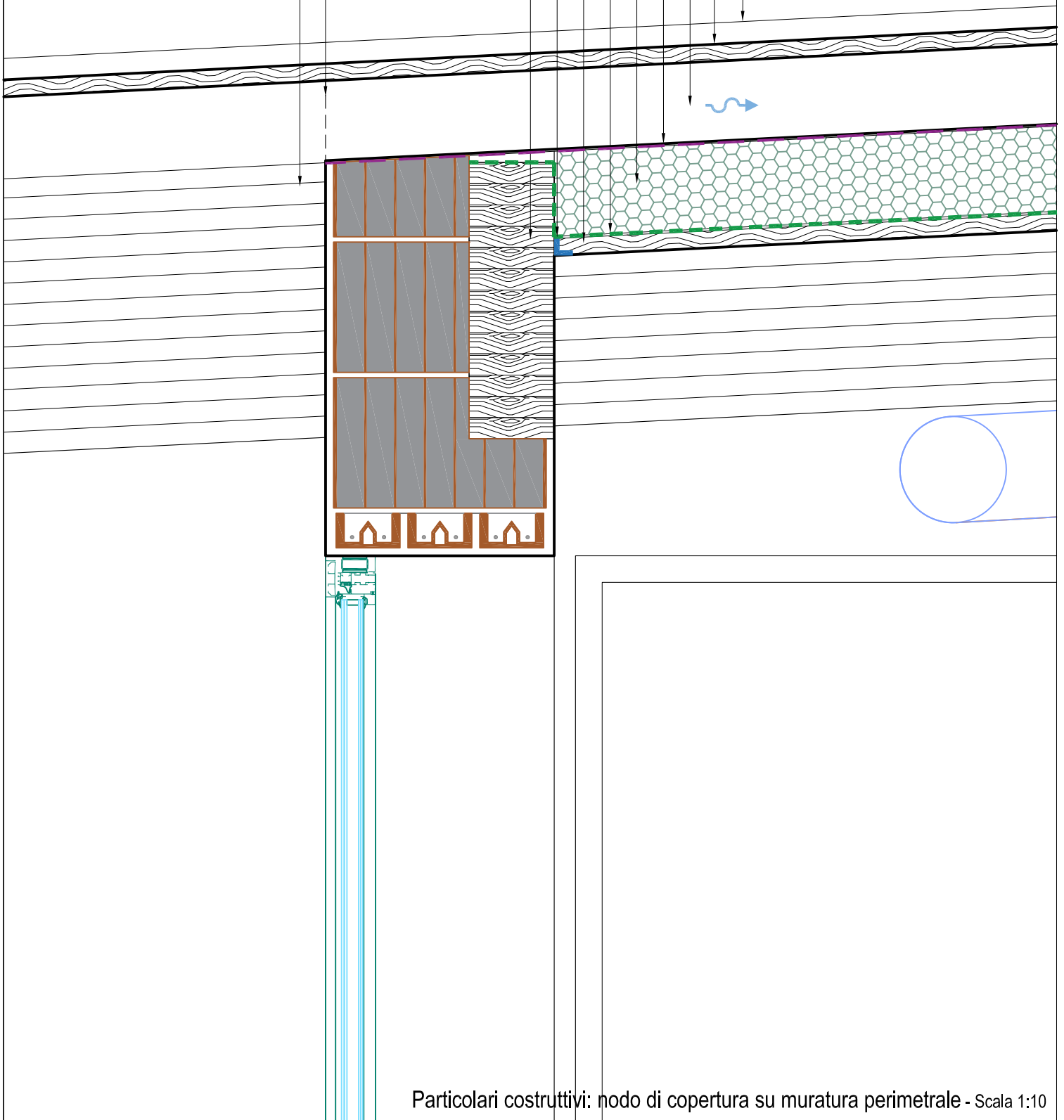
Strato coibente in "Neo Por" tipo ECO POR R GK030 sp. 160 mm

Guaina impermeabilizzante in bitume polimero sp. 4 mm  
tipo Flexter testudo S. di Index

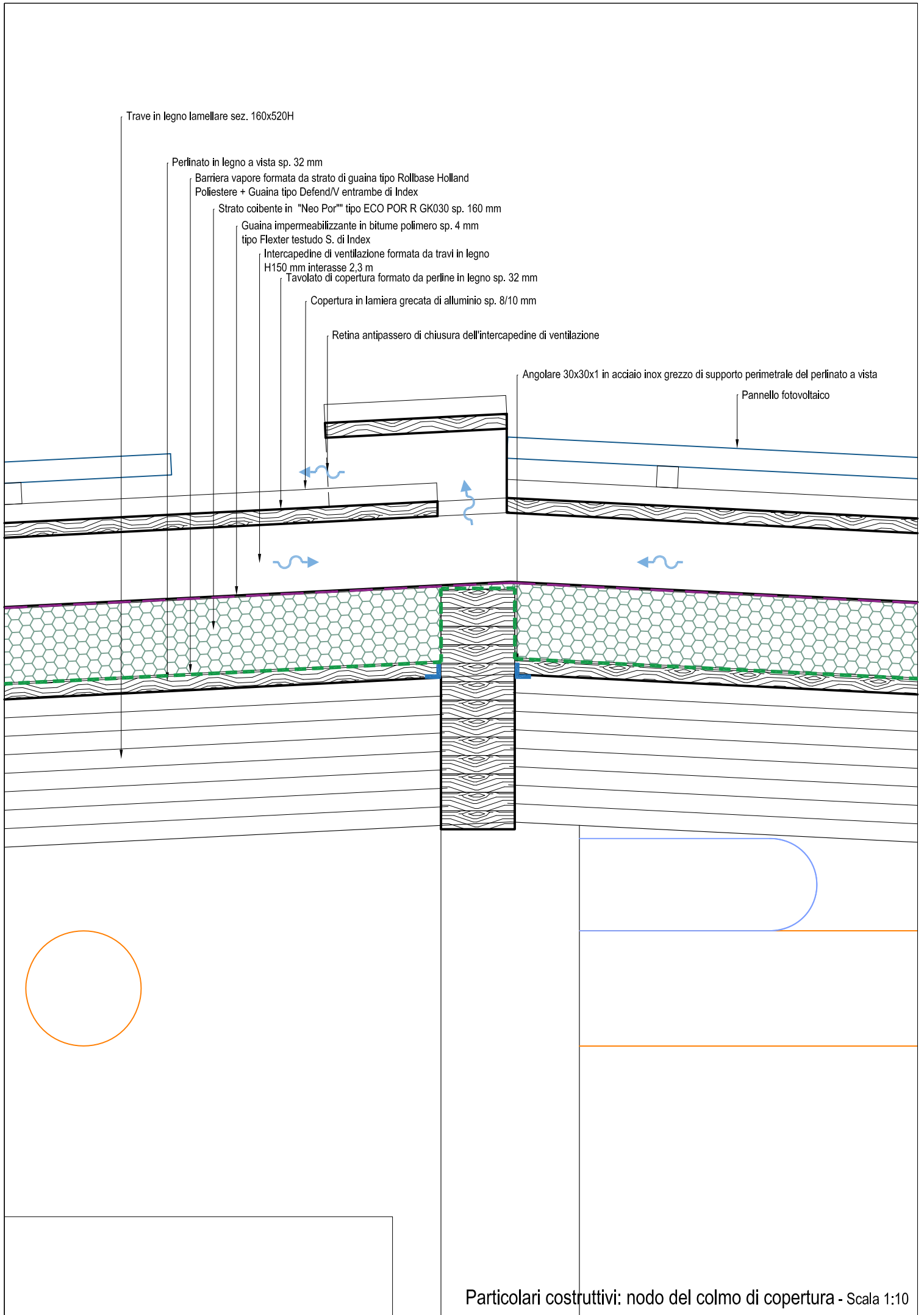
Intercapedine di ventilazione formata da travi in legno  
H150 mm interasse 2,3 m

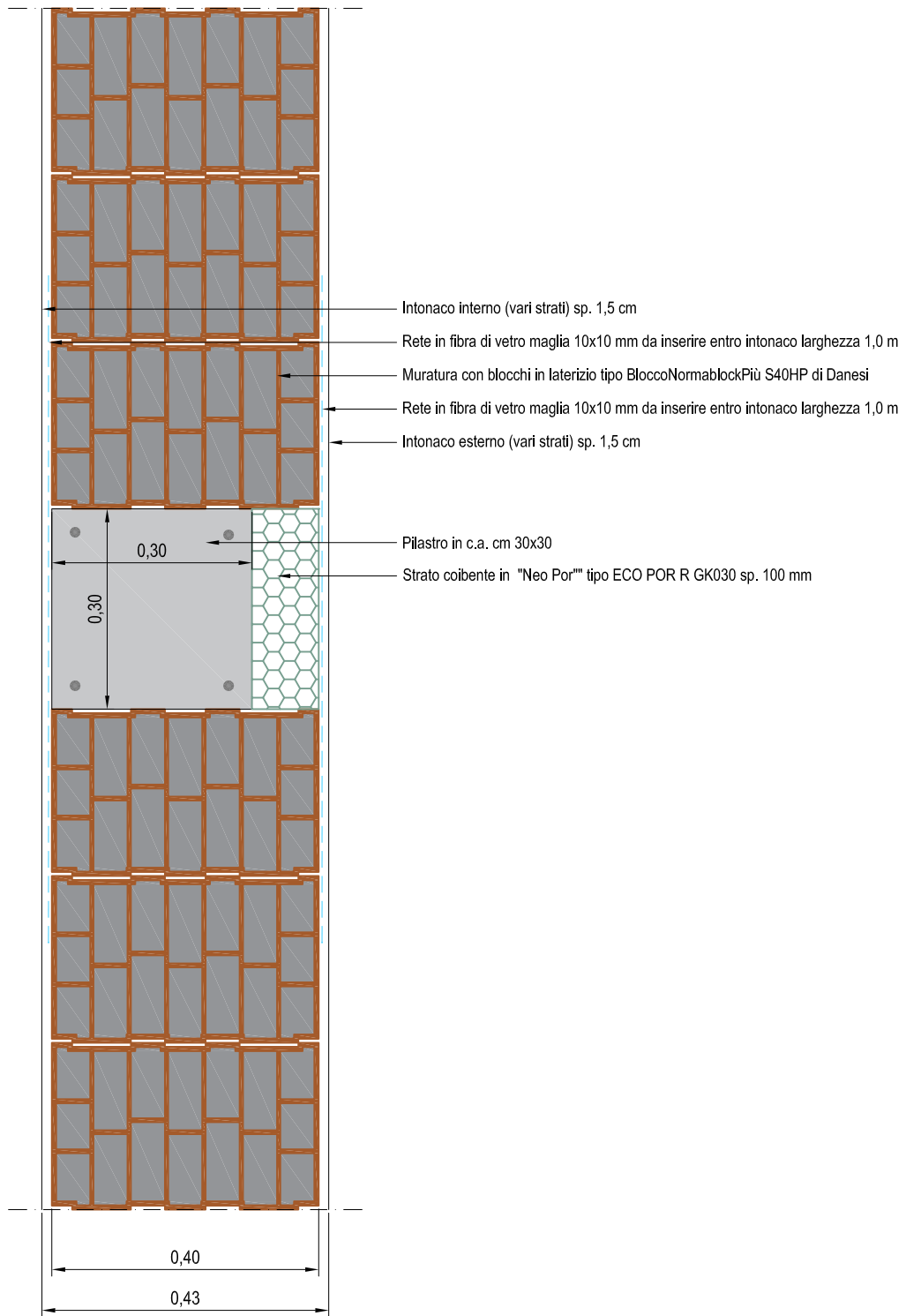
Tavolato di copertura formato da perline in legno sp. 32 mm

Copertura in lamiera grecata di alluminio sp. 8/10 mm

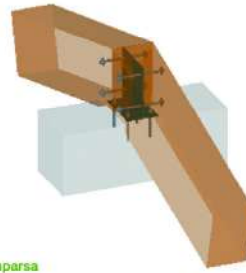


Particolari costruttivi: nodo di copertura su muratura perimetrale - Scala 1:10

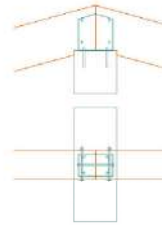




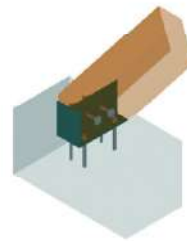
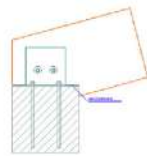
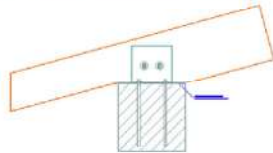
Particolari costruttivi: nodo in pianta di muratura perimetrale e pilastro - Scala 1:10



Travi in legno su colmo (pilastro) in c.a. con staffa a scomparsa

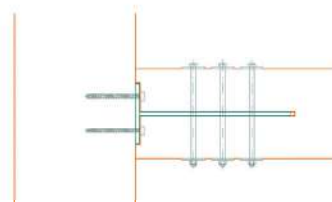
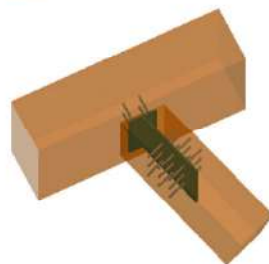
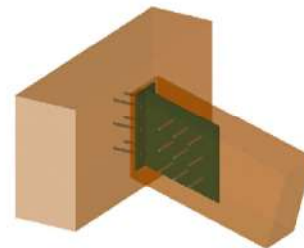
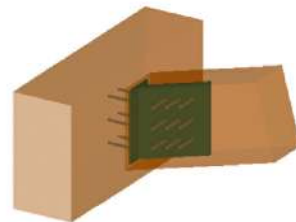
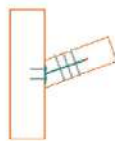
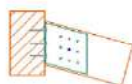


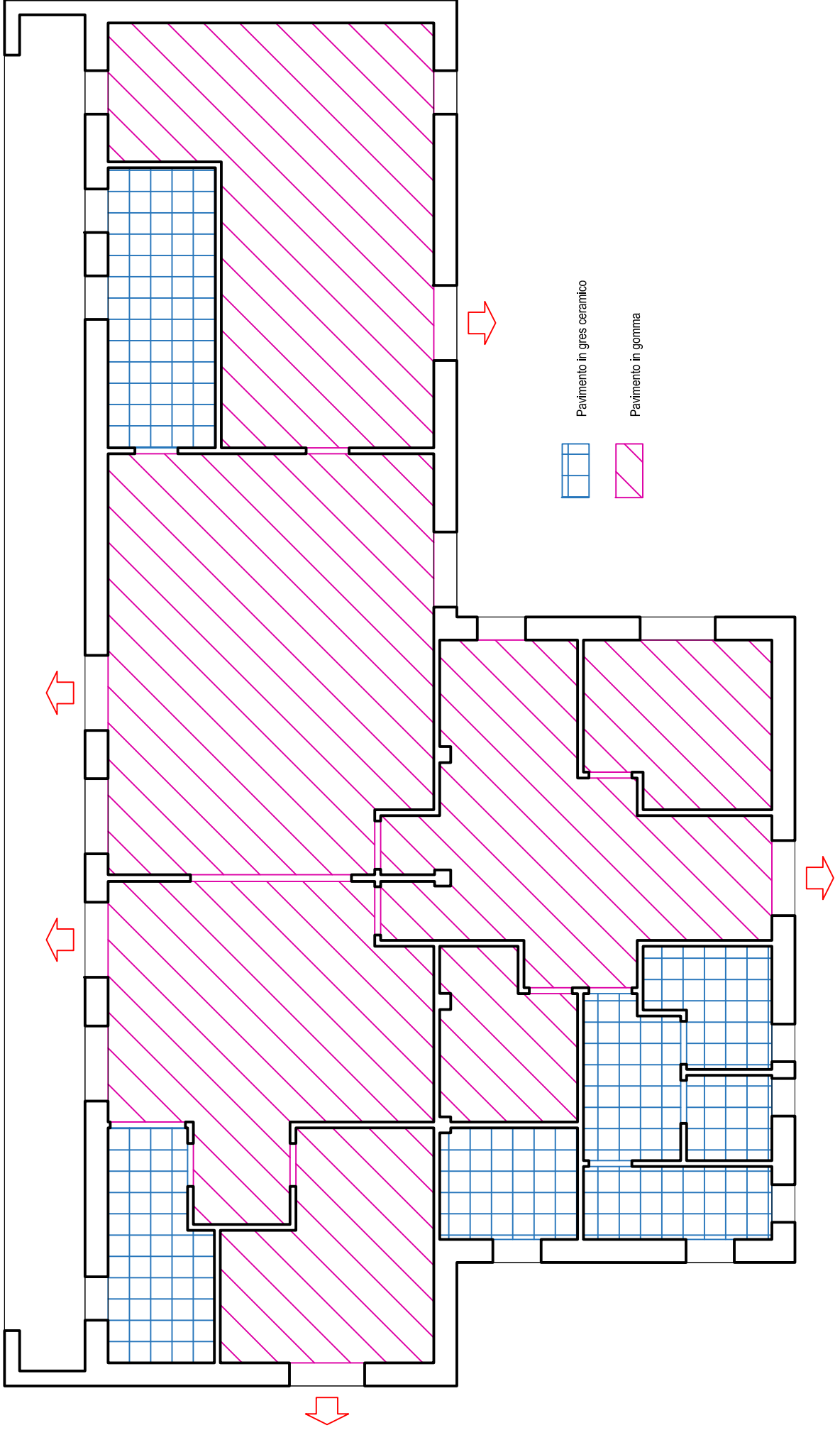
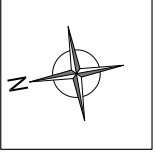
Trave su c.a. con blocco piastre (a scomparsa)



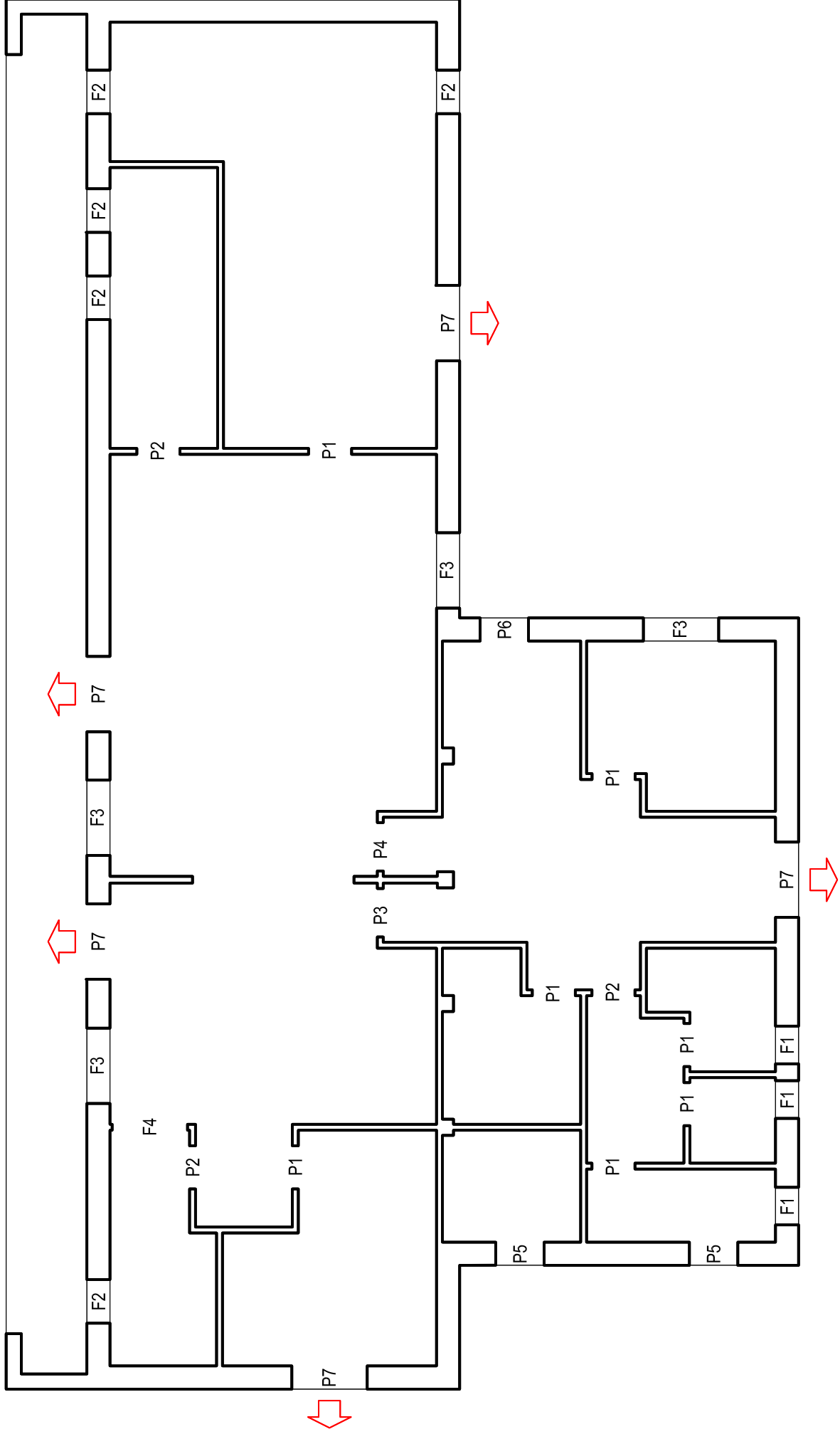
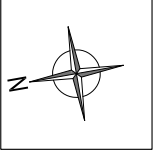
Esempio con staffa a scomparsa e contropiastre di contrasto delle spinte orizzontali

Trave-trave con staffa a scomparsa





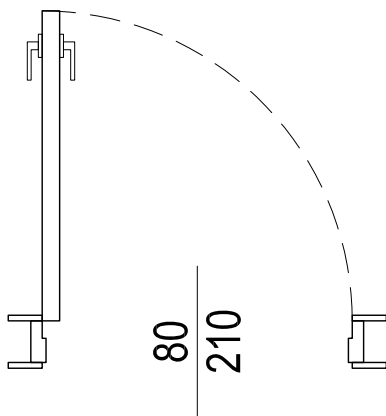
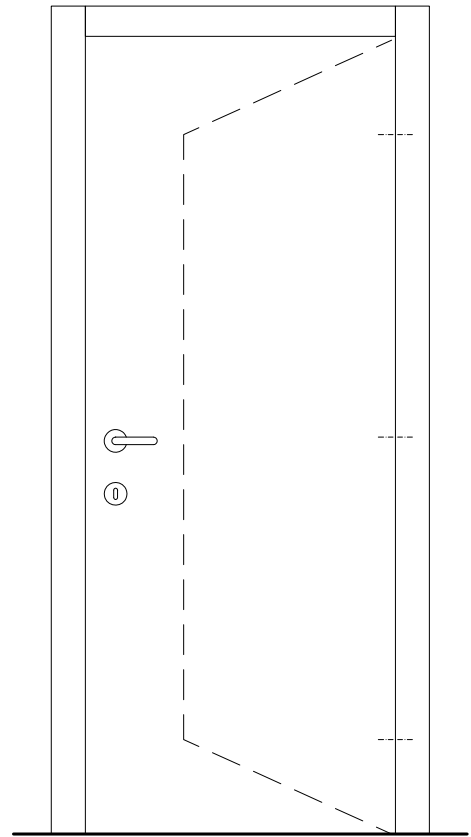
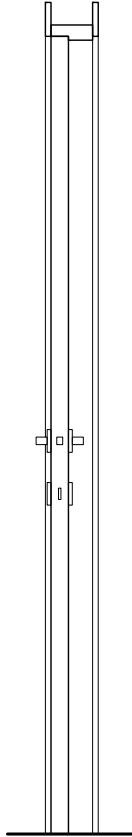
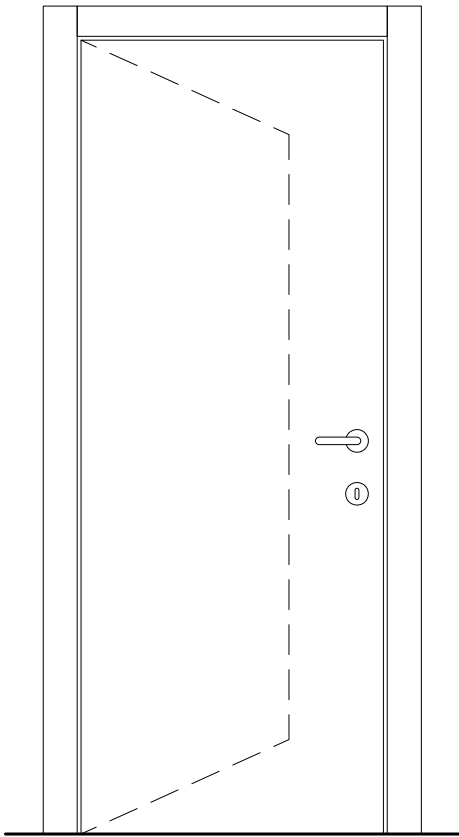
Pianta piano terra - Tipologie pavimenti interni - Scala 1:100



Pianta piano terra - Riferimenti abaco dei serramenti - Scala 1:100

# Abaco dei serramenti - Porta P1

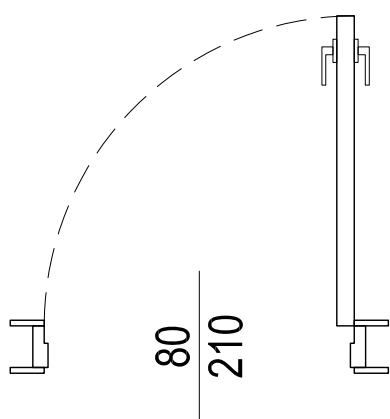
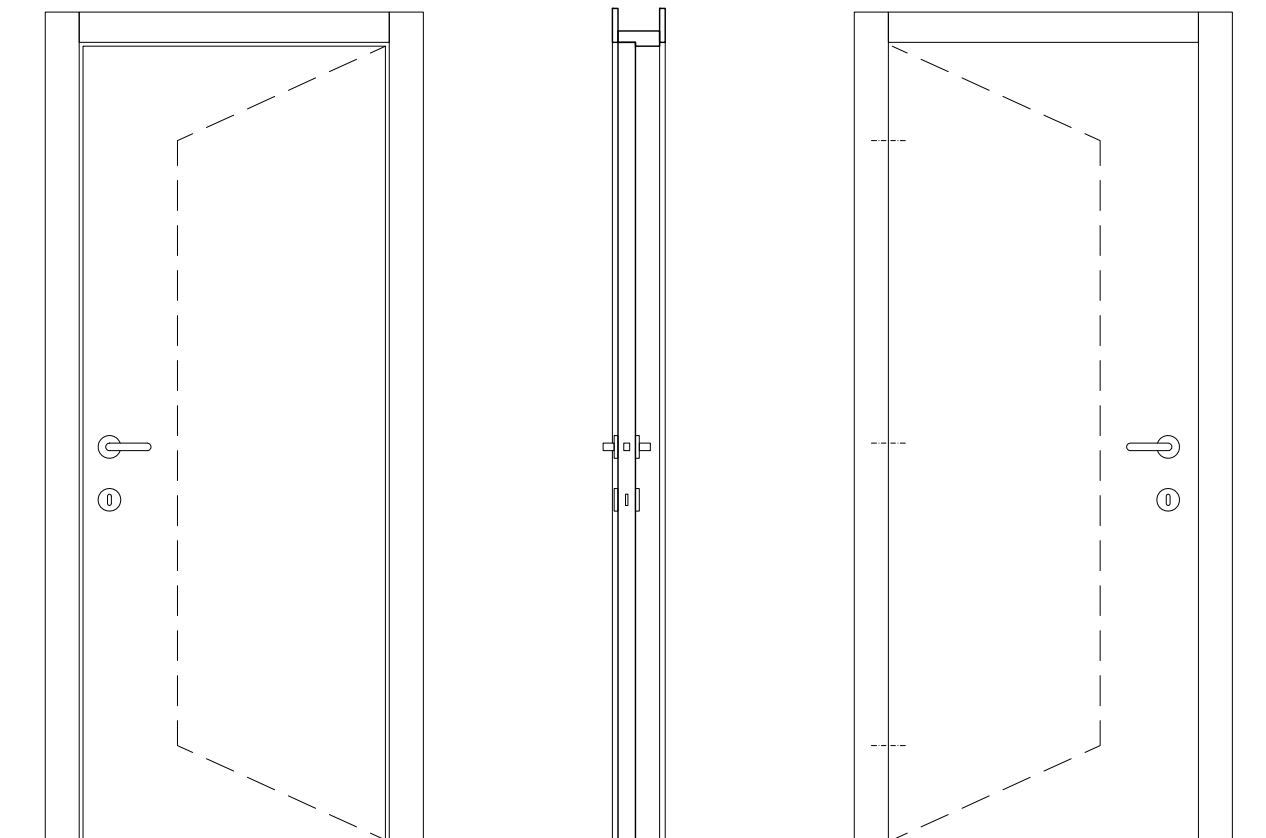
Riferimento voce di tariffa: E.23.04.b





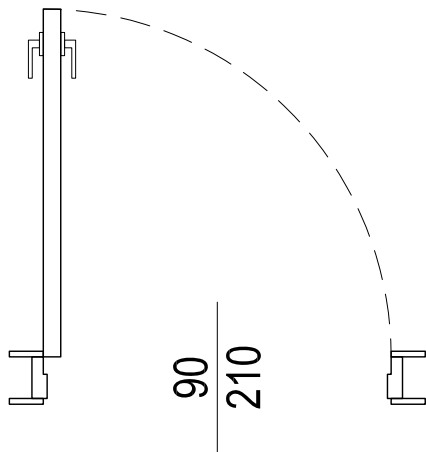
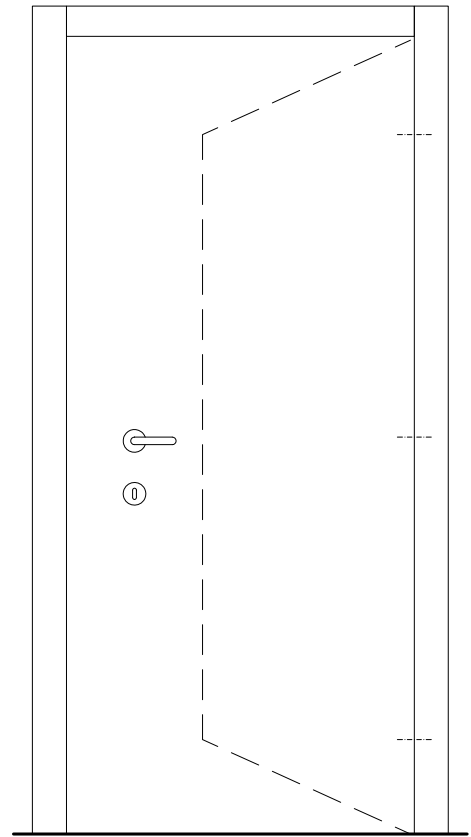
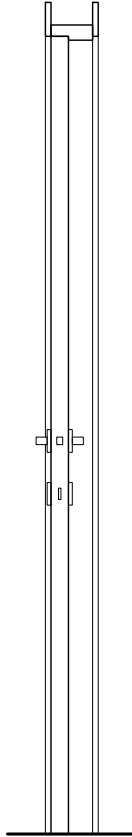
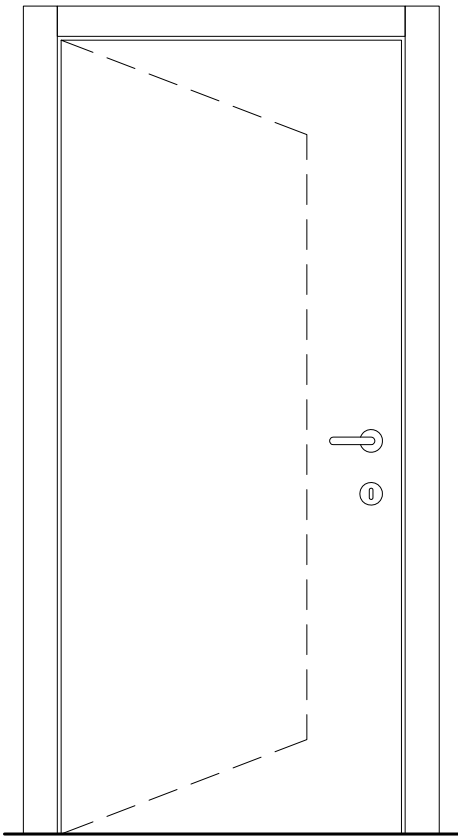
# Abaco dei serramenti - Porta P2

Riferimento voce di tariffa: E.23.04.b



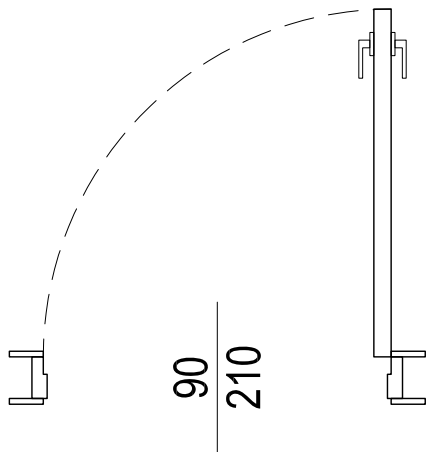
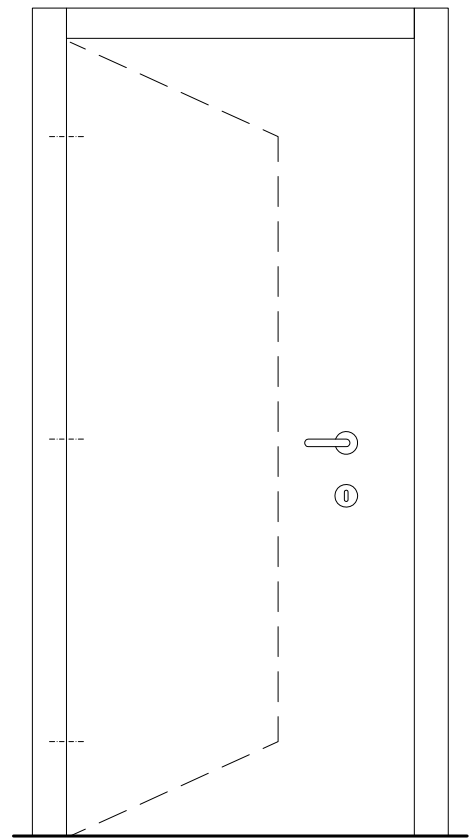
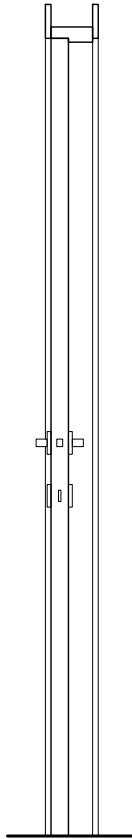
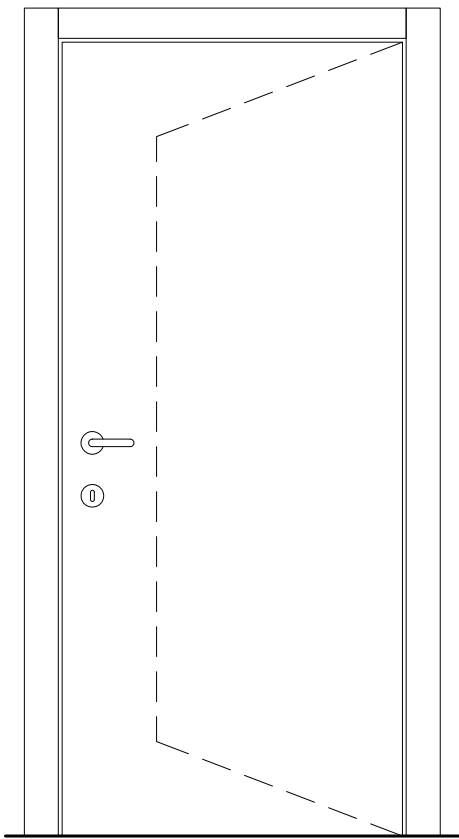
# Abaco dei serramenti - Porta P3

Riferimento voce di tariffa: E.23.04.b



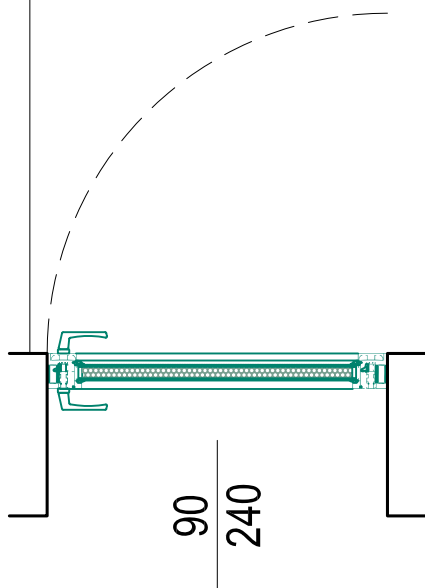
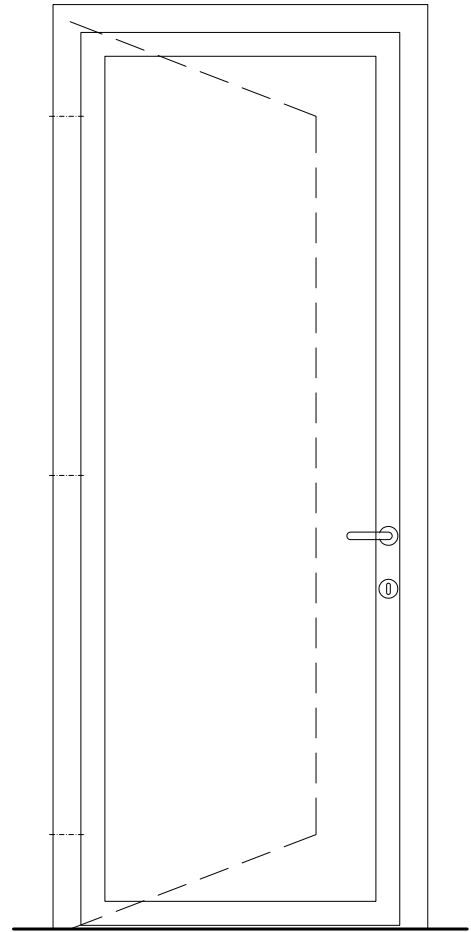
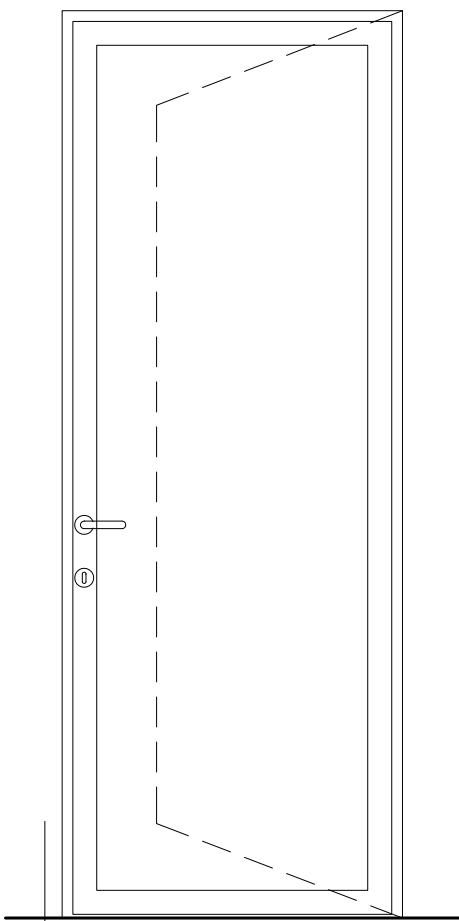
# Abaco dei serramenti - Porta P4

Riferimento voce di tariffa: E.23.04.b



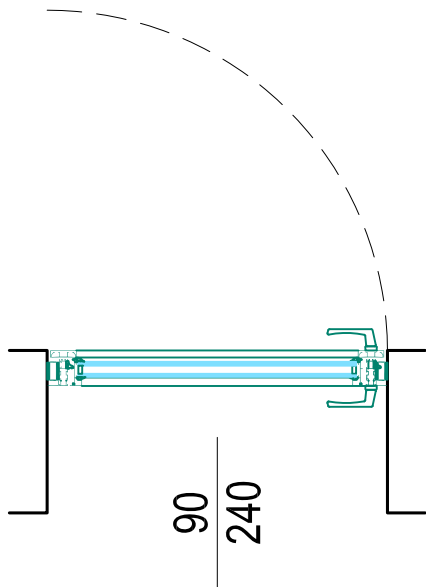
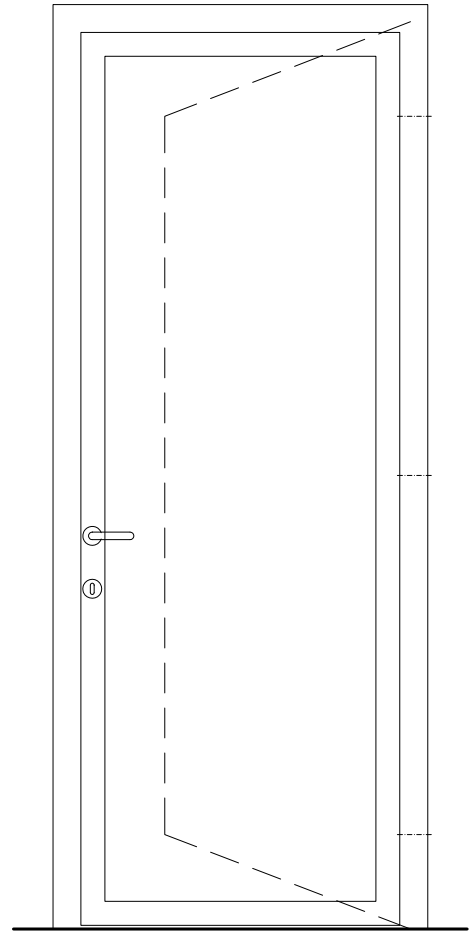
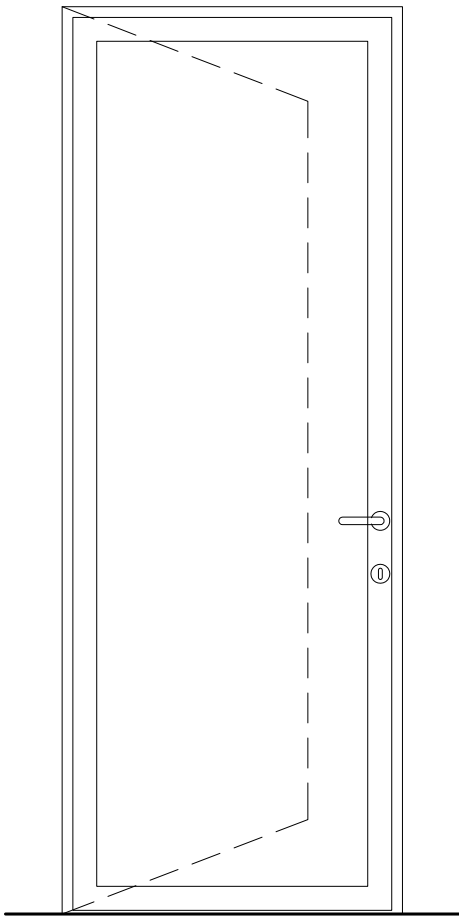
# Abaco dei serramenti - Porta P5

Riferimento voce di tariffa: Ts.Cer.21



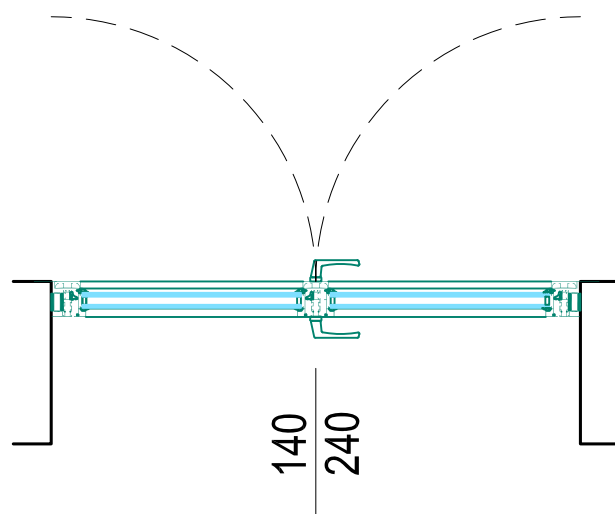
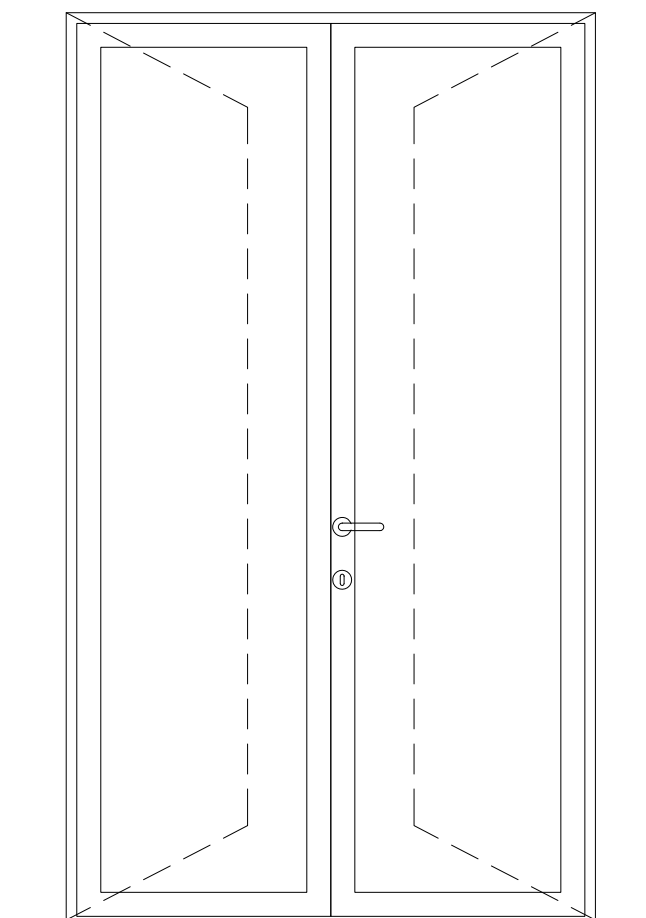
# Abaco dei serramenti - Porta P6

Riferimento voce di tariffa: Ts.Cer.20.a



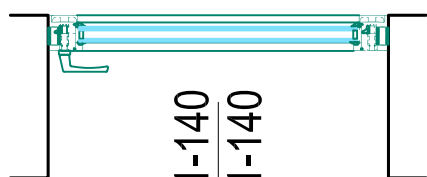
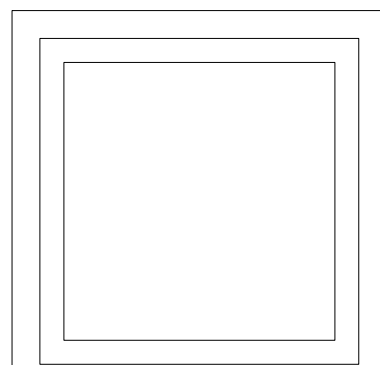
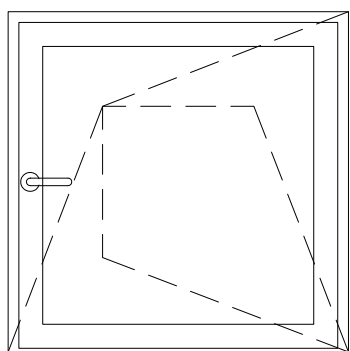
# Abaco dei serramenti - Porta P7

Riferimento voce di tariffa: Ts.Cer.20.a



Abaco dei serramenti - Finestre F1 (0,70x0,70), F2 (0,81x0,81), F3 (1,40x1,40)

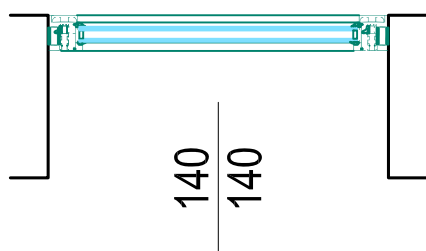
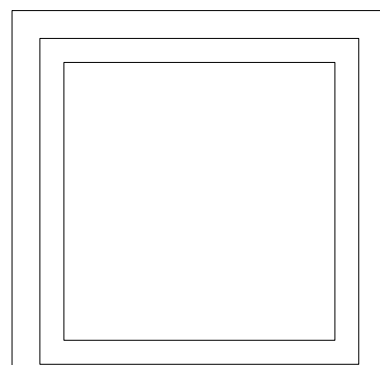
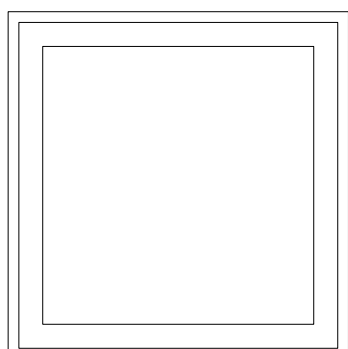
Riferimento voce di tariffa: Ts.Cer.20.b



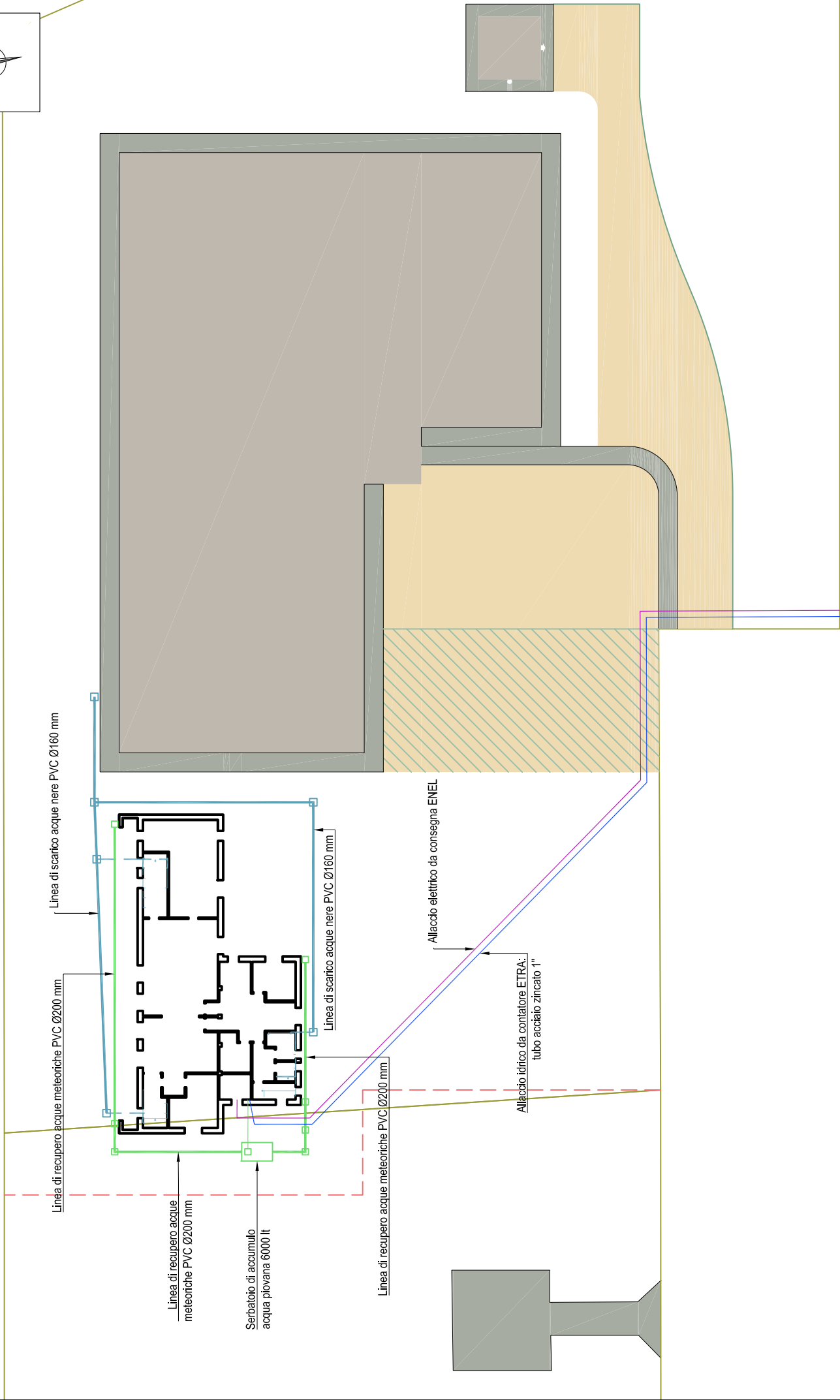
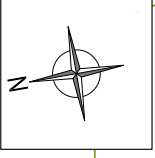
70-81-140  
70-81-140

# Abaco dei serramenti - Finestre F4 (1,40x1,40 - fissa)

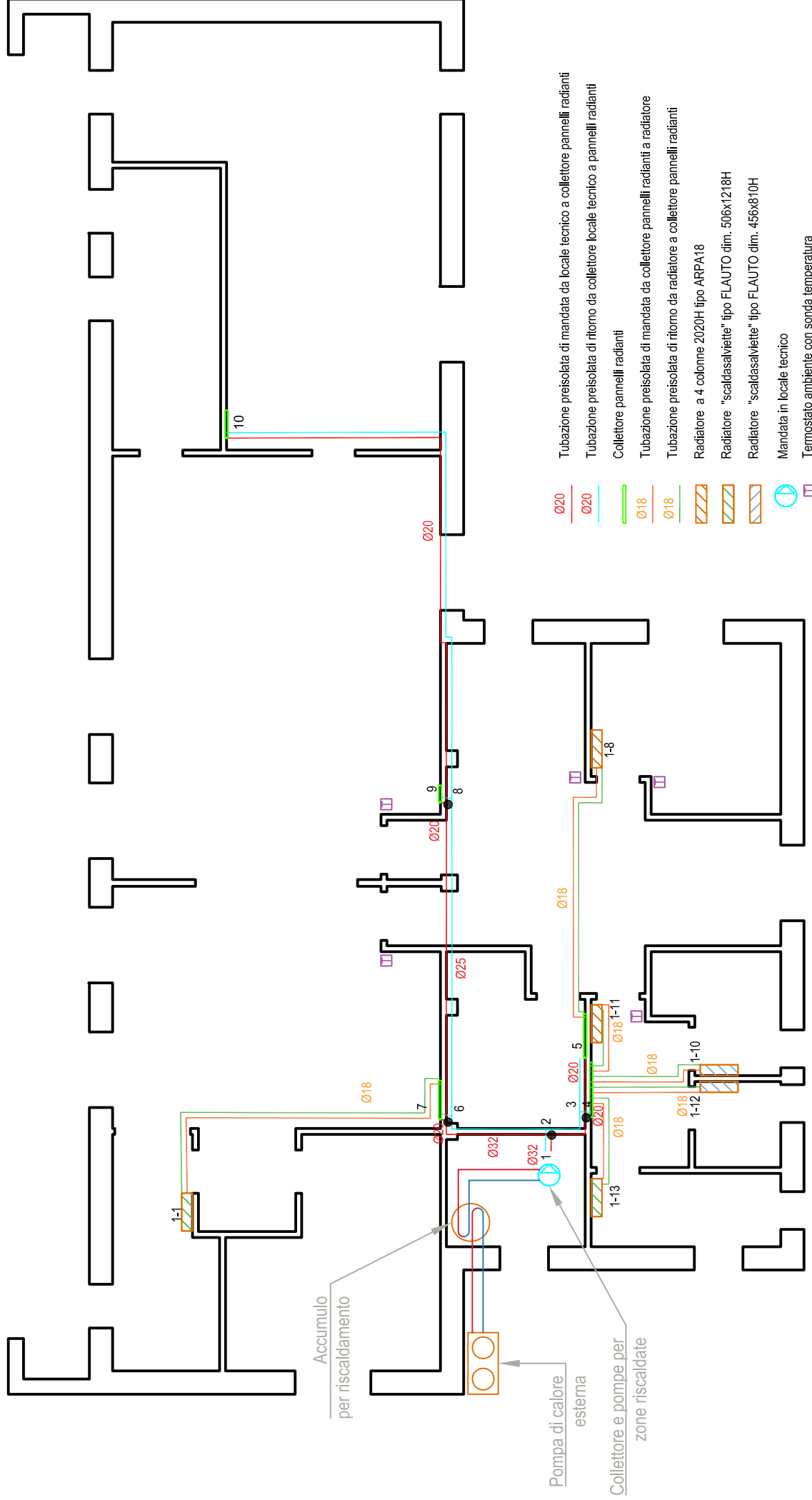
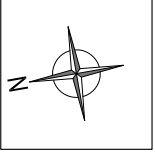
Riferimento voce di tariffa: Ts.Cer.22

















Planimetria di inquadramento - Allaccio elettrico, Idrico reti di scarico - Scala 1:250



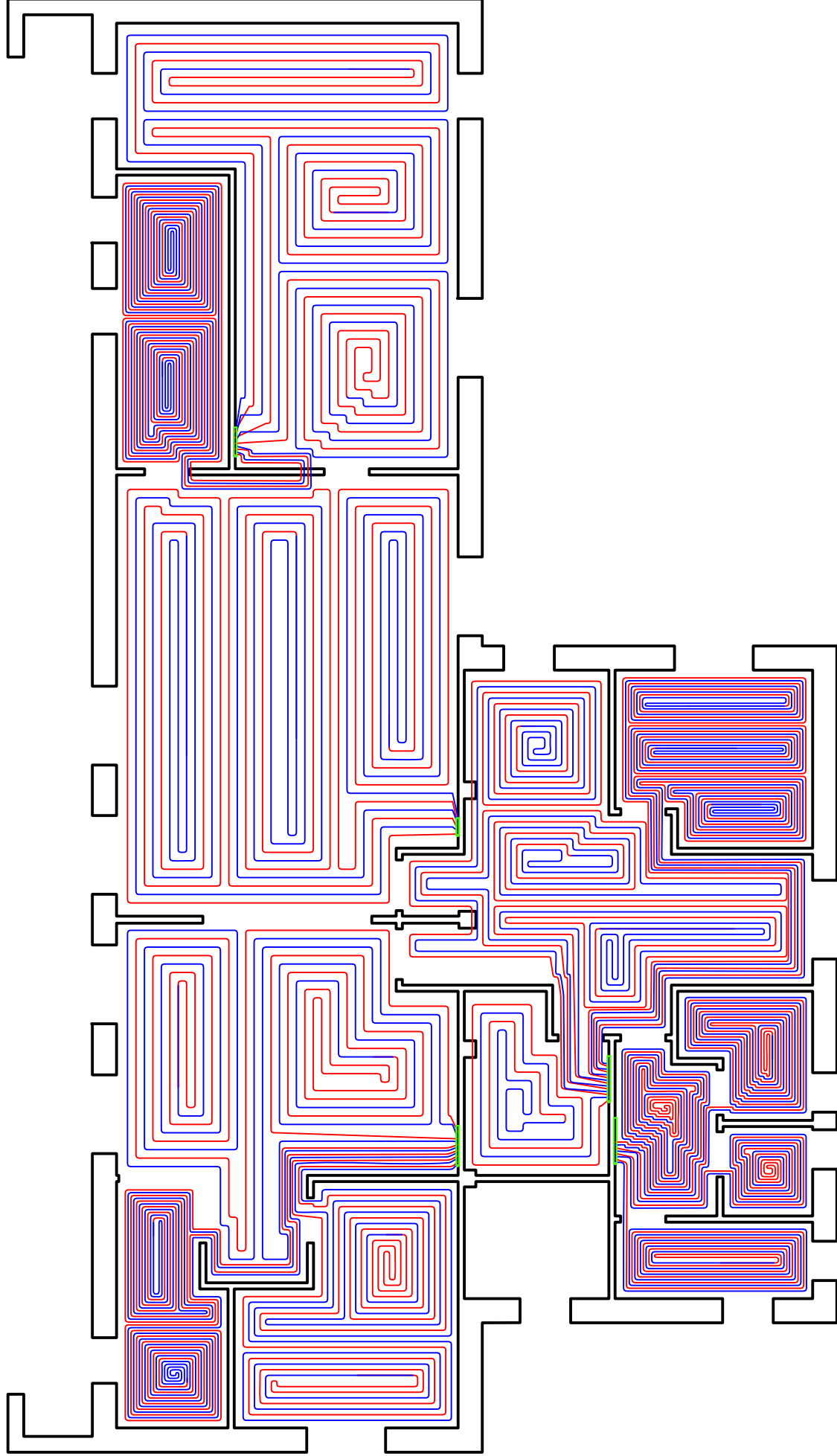
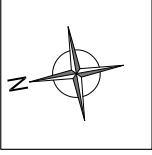
-  Ø20 Tubazione preisolata di mandata da locale tecnico a collettore pannelli radianti
-  Ø20 Tubazione preisolata di ritorno da collettore locale tecnico a pannelli radianti
-  Ø18 Collettore pannelli radianti
-  Ø18 Tubazione preisolata di mandata da collettore pannelli radianti a radiatore
-  Ø18 Tubazione preisolata di ritorno da radiatore a collettore pannelli radianti
-  Radiatore a 4 colonne 2020H tipo ARPA18
-  Radiatore "scaldasalviette" tipo FLAUTO dim. 506x1218H
-  Radiatore "scaldasalviette" tipo FLAUTO dim. 456x810H
-  Mandata in locale tecnico
-  Termostato ambiente con sonda temperatura

Accumulo  
per riscaldamento

Pompa di calore  
esterna

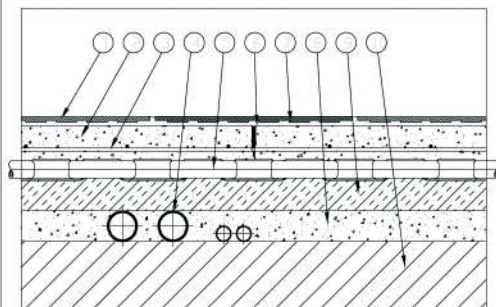
Collettore e pompe per  
zone riscaldate

**NOTA:** L'impresa esecutrice dovrà realizzare progetto costruttivo in funzione della marca proposta e consegnarlo per approvazione. Sarà onere dell'impresa verificare le perdite di carico e la compatibilità delle caratteristiche dell'elettropompa a servizio dei pannelli radianti a pavimento



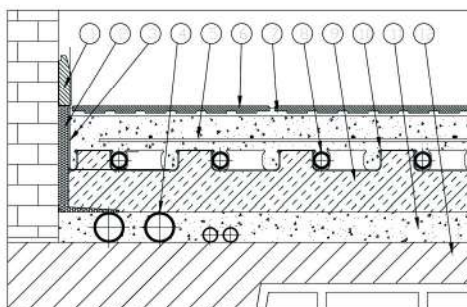
**NOTA:** L'impresa esecutrice dovrà realizzare progetto costruttivo in funzione della marca proposta e consegnarlo per approvazione. Sarà onere dell'impresa verificare le perdite di carico e la compatibilità delle caratteristiche dell'elettropompa a servizio dei pannelli radianti a pavimento

#### Giunto di Frazionamento



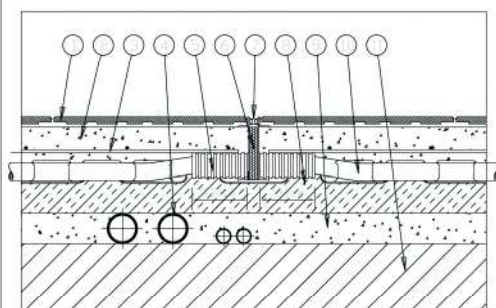
- |                     |                                   |
|---------------------|-----------------------------------|
| 1. Pavimentazione   | 6. Taglio riempito con elastomero |
| 2. Massetto         | 7. Collante per pavimenti         |
| 3. Rete di rinforzo | 8. Massetto livellamento          |
| 4. Impianti tecnici | 9. Isolante preformato            |
| 5. Tubo PE-X        | 10. Solaio al grezzo              |

#### dettaglio Pannello

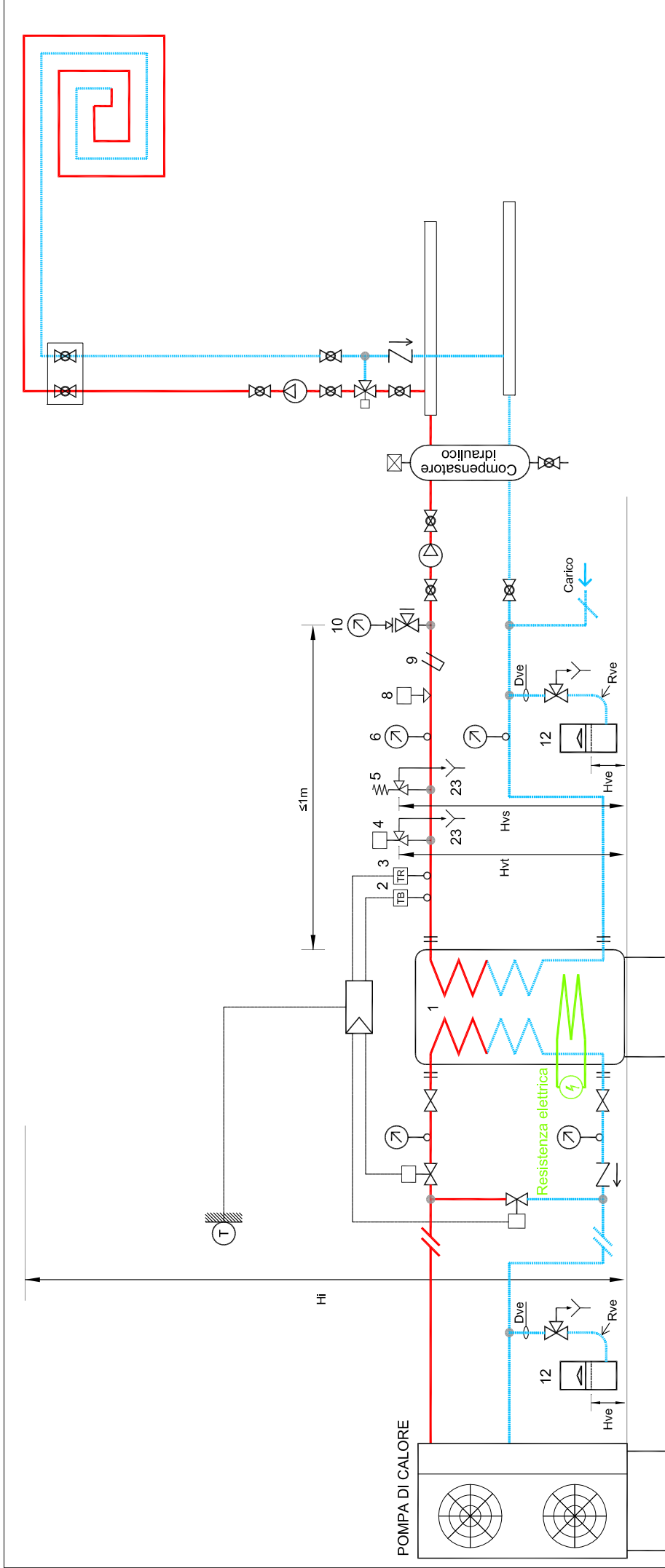


- |                          |                           |
|--------------------------|---------------------------|
| 1. Battiscopa            | 7. Colla per pavimenti    |
| 2. Nastro perimetrale    | 8. Tubo PE-X              |
| 3. Pellicola di sormonto | 9. Isolante preformato    |
| 4. Impianti tecnici      | 10. Barriera vapore       |
| 5. Rete di rinforzo      | 11. Massetto livellamento |
| 6. Pavimentazione        | 12. Solaio al grezzo      |

#### Giunto di Dilatazione



- |                          |                          |
|--------------------------|--------------------------|
| 1. Pavimentazione        | 7. Coprigiunto           |
| 2. Massetto              | 8. Isolante preformato   |
| 3. Rete di rinforzo      | 9. Massetto livellamento |
| 4. Impianti tecnici      | 10. Tubo PE-X            |
| 5. Guaina corrugata      | 11. Solaio al grezzo     |
| 6. Giunto di dilatazione |                          |

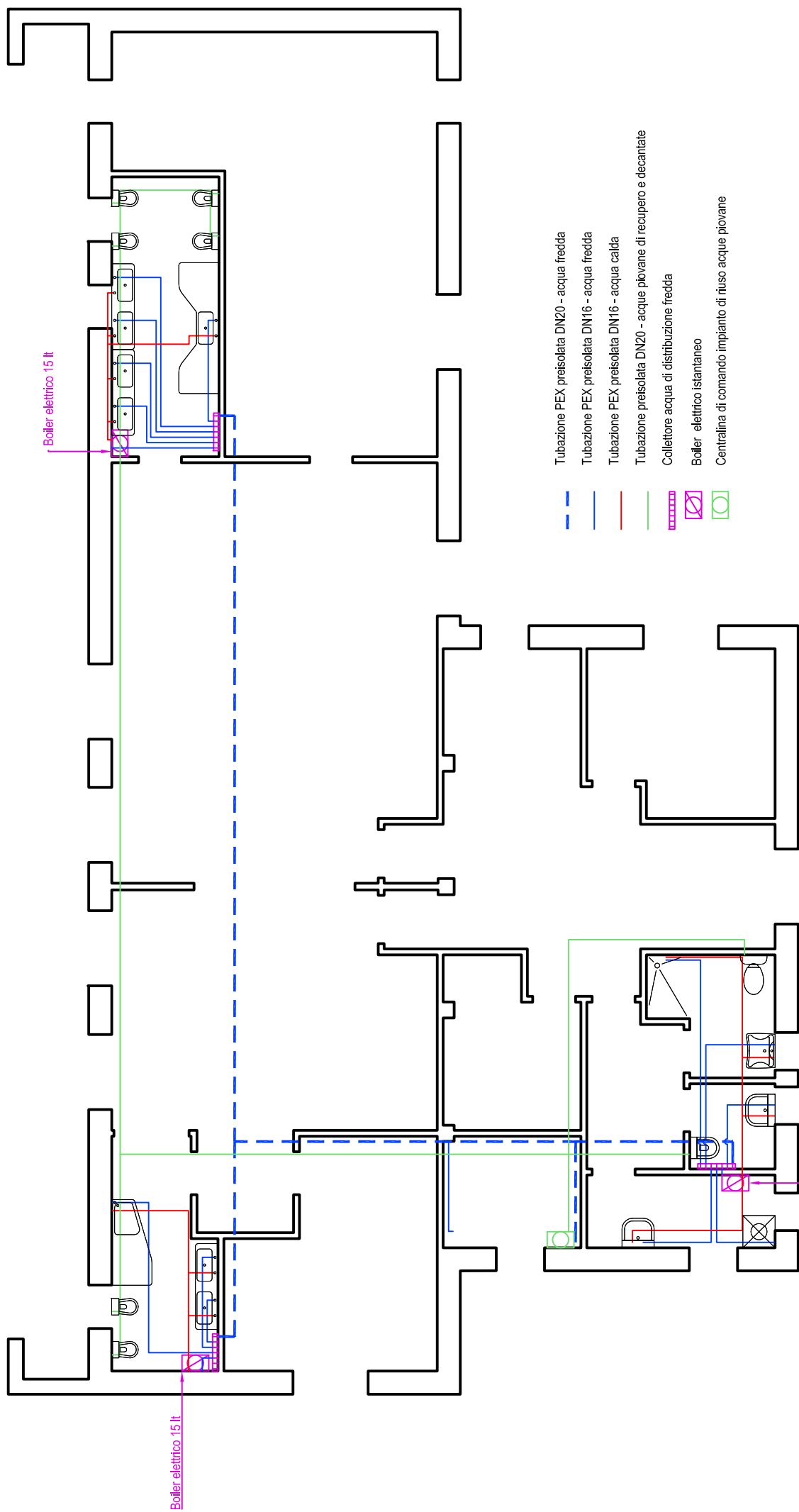
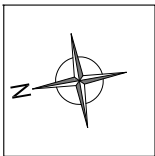


N	COMPONENTI	qla
1	Accumulo Iberziale 390 lt Qn = 18,00 kw Pes = 7,00 bar dnsp = 3/4" " dnss = 3/4" " Hf = 5,00 m	1
2	Termosistato blocco dnrb = -- " Trb = 45,0 °C	1
3	Termosistato regolazione dnrt = -- " Trt = 50,0 °C	1
4	Valvola Scarico termico TTVst = 98,0 °C DNvTC = 1 1/2" M " dnsvst = 1 1/4" F "	1
5	Valvola di sicurezza Pt = 5,40 bar DNvs = 1 1/4" " dnsvs = 1 1/2" " Hvs = 1,20 m	1
6	Termometro Dnt = 15 " Fst = 120,0 °C	1

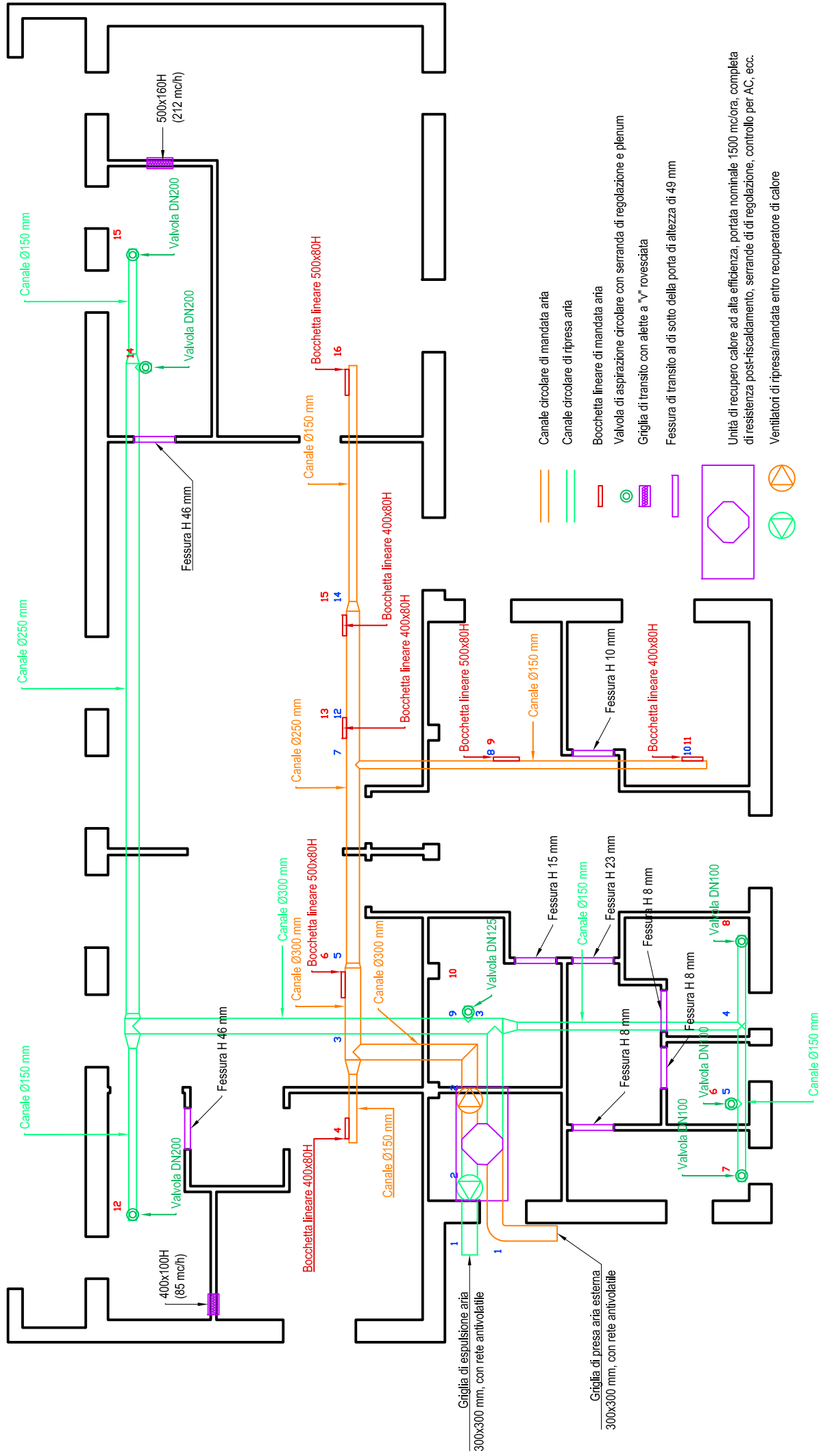
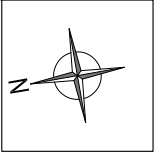
N	COMPONENTI	qla
7	Pressostato blocco massimo DNpma = 8 " Ptpr,max = 5,20 bar	2
8	Pressostato blocco minimo DNpmi = 8 " Ptpr,min = 0,70 bar	1
9	Pozzetto di controllo Dnt = 15 " Lp = 100,0 mm	1
10	Manometro e rubinetto con flangia Dnt = 8 " Fsm = 10,00 bar	1
23	Scarico visibile DN = 1/2" "	1
23	Scarico visibile DN = 1/2" "	1

N	COMPONENTI	qla
12	Vaso espansione chiuso Scambiatore vn [l] DN Hve [m] Pfr [bar] Pfr [bar] 8,0 3/4" 0,50 10,00 0,94 Tubo coil. Dve = 43,1mm Rve = 65,0mm	1

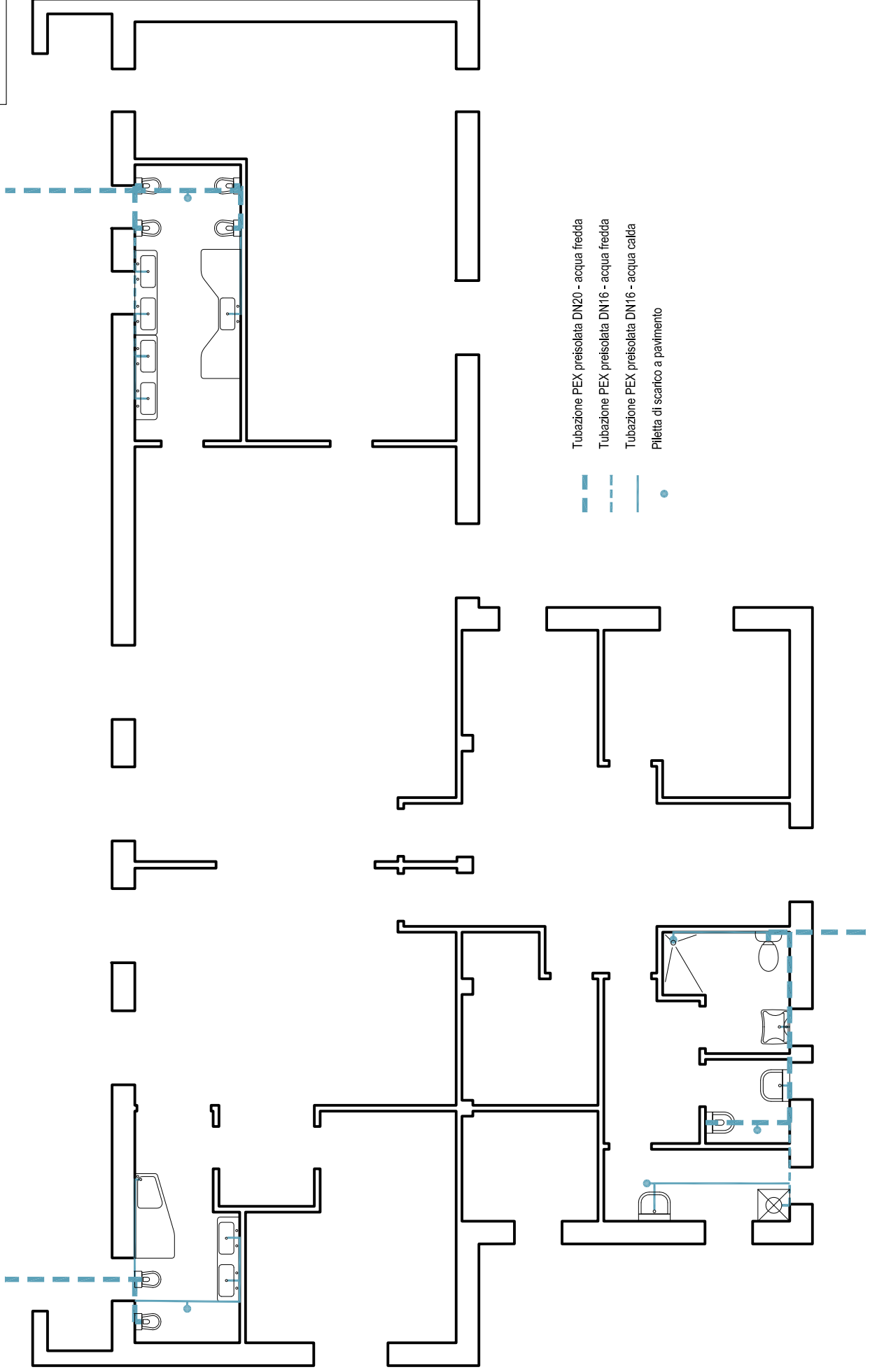
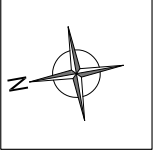
	Tubazione Mandata Riscaldamento
	Tubazione Ritorno Riscaldamento
	Tubazione Acqua Fredda
	Tubazione Acqua Calda Sanitaria
	Tubazione Alimentazione Gas



Boiler elettrico 50 lt previsto nell'arredo bagno disabili

























Pianta piano terra - Impianto ad aria primaria - Scala 1:100

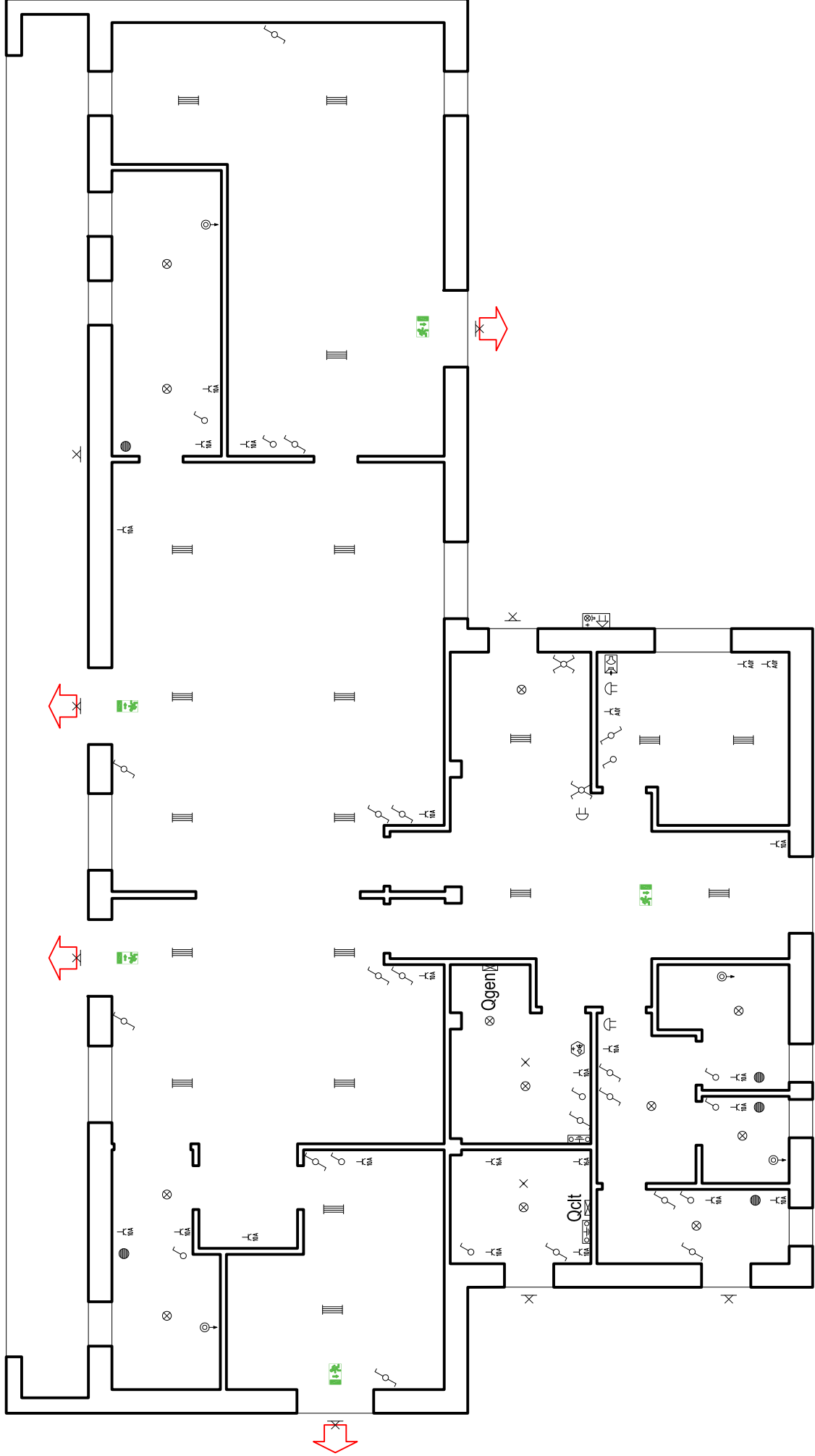
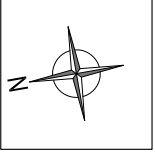


- Tubazione PEX preisolata DN20 - acqua fredda
- Tubazione PEX preisolata DN16 - acqua fredda
- Tubazione PEX preisolata DN16 - acqua calda
- Piletta di scarico a pavimento

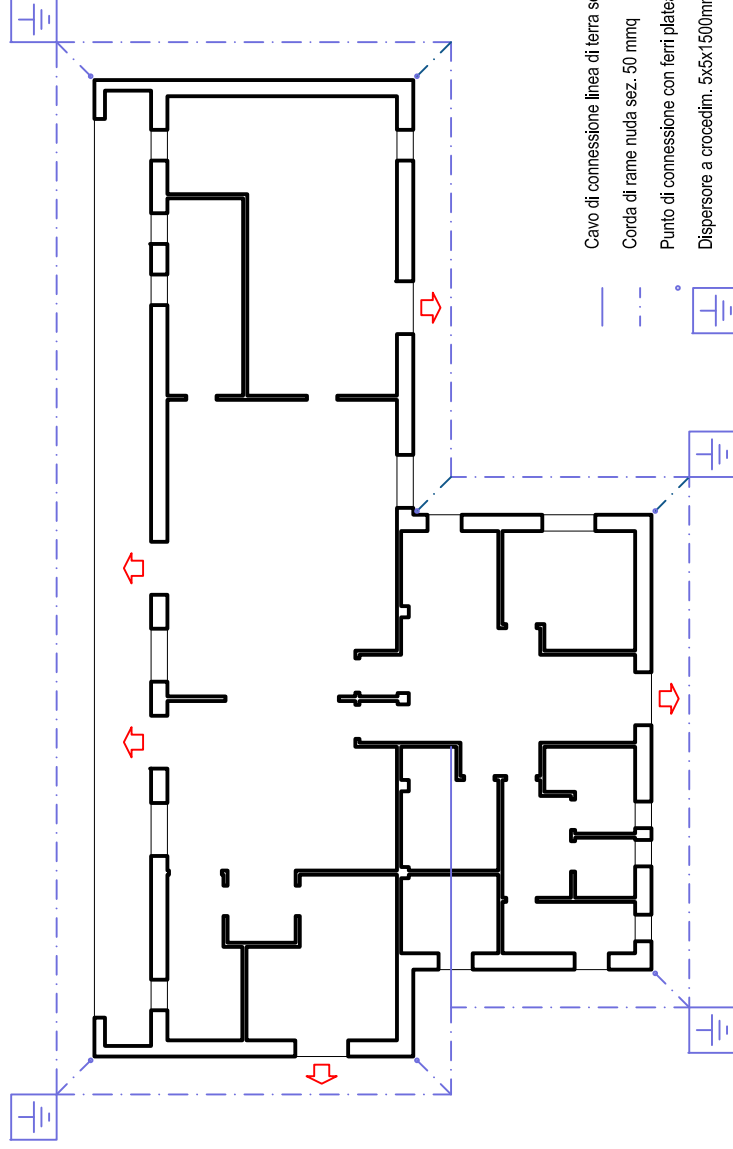
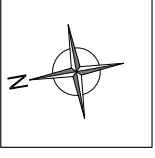
Pianta piano terra - Impianto di scarico interno - Scala 1:100

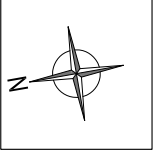


LEGENDA SIMBOLI IMPIANTO ELETTRICO			
	Presa 10A 2P+PE		Segnalazione luminosa uscita di emergenza
	Presa 16A 2P+PE		Sirena autoalimentata con lampeggiatore da esterno
	Interruttore unipolare		Suoneria
	Deviatore unipolare		Kilowattorometro
	Invertitore		Cassetta di connessione/derivazione da incasso
	Pulsante a tirante		Quadro di distribuzione
	Applique LED da esterno		Suoneria
	Lampada LED 24W a soffitto con sensore di presenza e spegn. autom.		Videocitofono
	Apparecchio LED 40W		Alimentatore per circuito videocitofonico
	Apparecchio di illuminazione di sicurezza		Serratura elettrica
	Complesso autonomo di illuminazione di sicurezza		Nodo di terra
	Punto alimentazione scaldacqua (Boiler)		

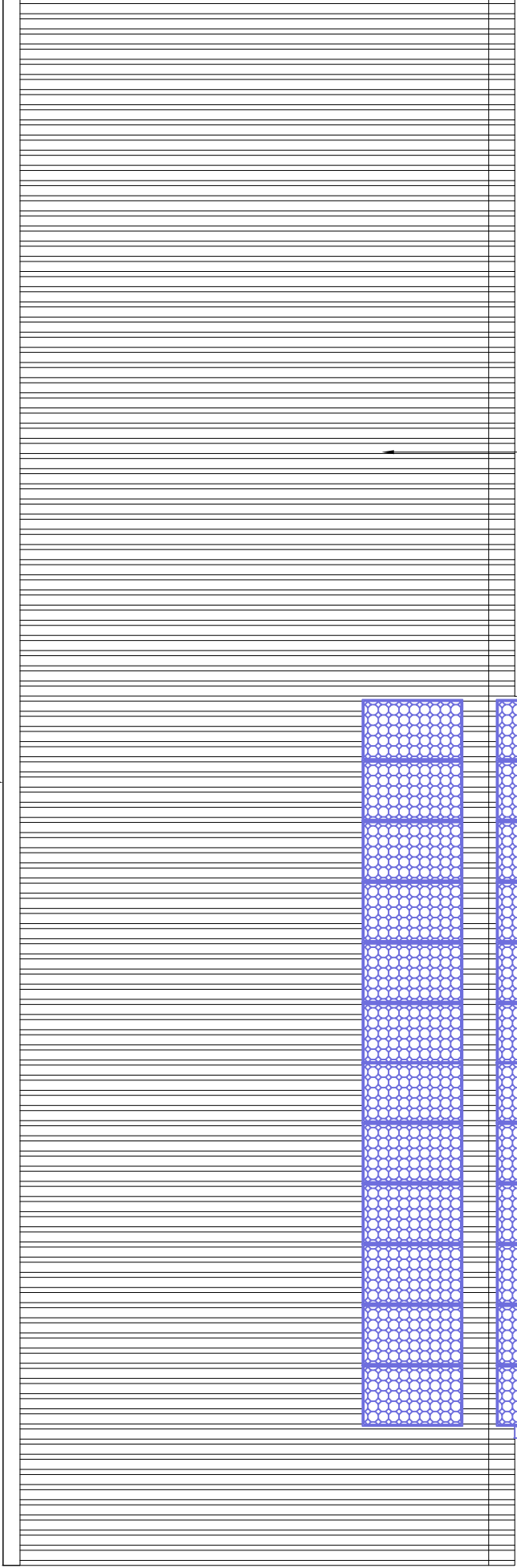


Pianta piano terra - Impianto elettrico - Scala 1:100





Canale di raccolta acque meteoriche

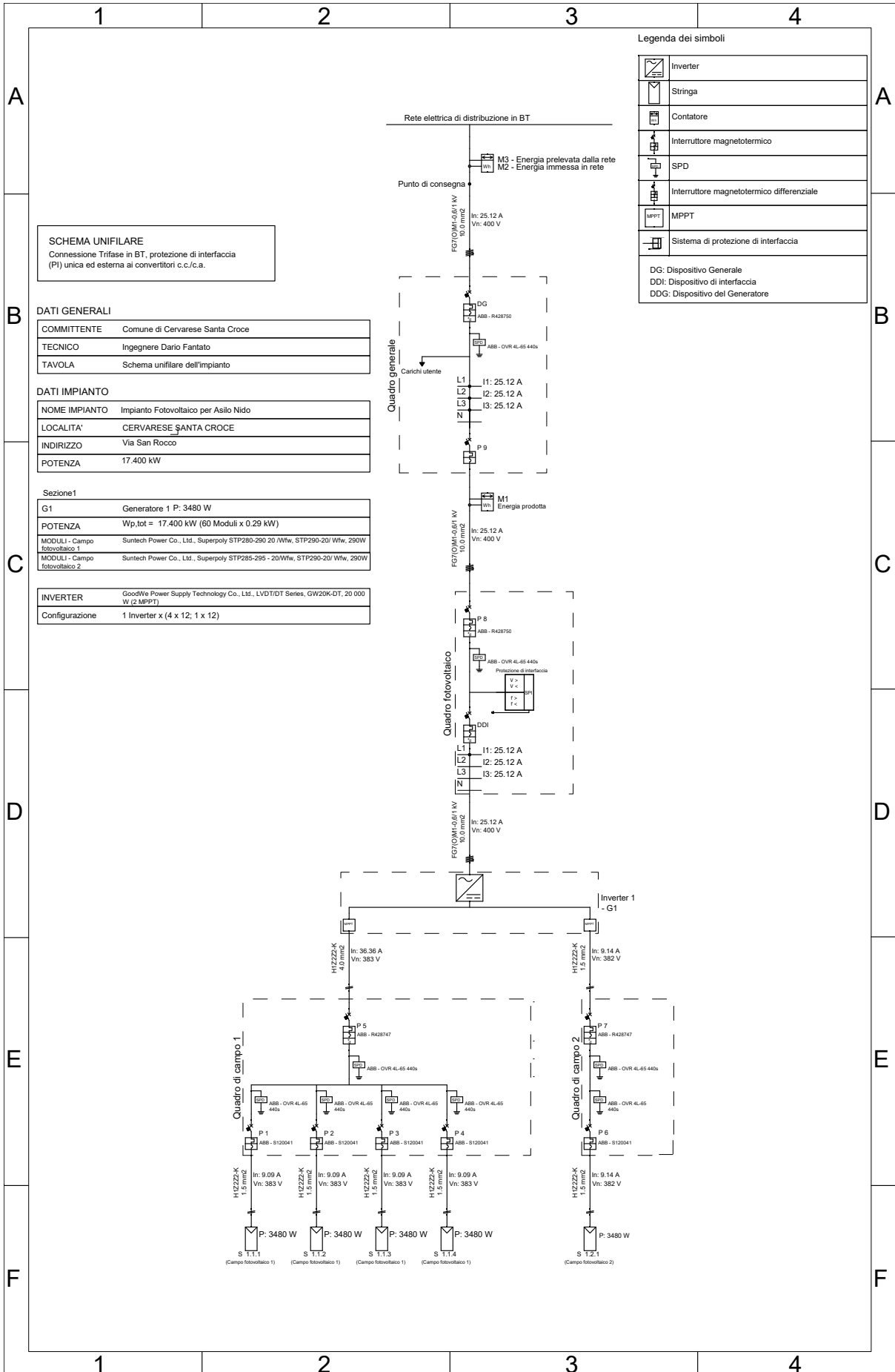


Inverter e quadri elettrici di campo  
con comandi e ottimizzatori di stringa

Finitura di falda in lamiera grecata di alluminio color argento

N.60 pannelli fotovoltaici in silicio policristallino 290 Wp/cad.  
Potenza complessiva di picco installata 17,40 kWp

Canale di raccolta acque meteoriche



**SCHEMA UNIFILARE**  
 Connessione Trifase in BT, protezione di interfaccia (PI) unica ed esterna ai convertitori c.c./c.a.

**DATI GENERALI**

COMMITTENTE	Comune di Cervarese Santa Croce
TECNICO	Ingegnere Dario Fantato
TAVOLA	Schema unifilare dell'impianto

**DATI IMPIANTO**

NOME IMPIANTO	Impianto Fotovoltaico per Asilo Nido
LOCALITA'	CERVARESE SANTA CROCE
INDIRIZZO	Via San Rocco
POTENZA	17.400 kW

**Sezione 1**

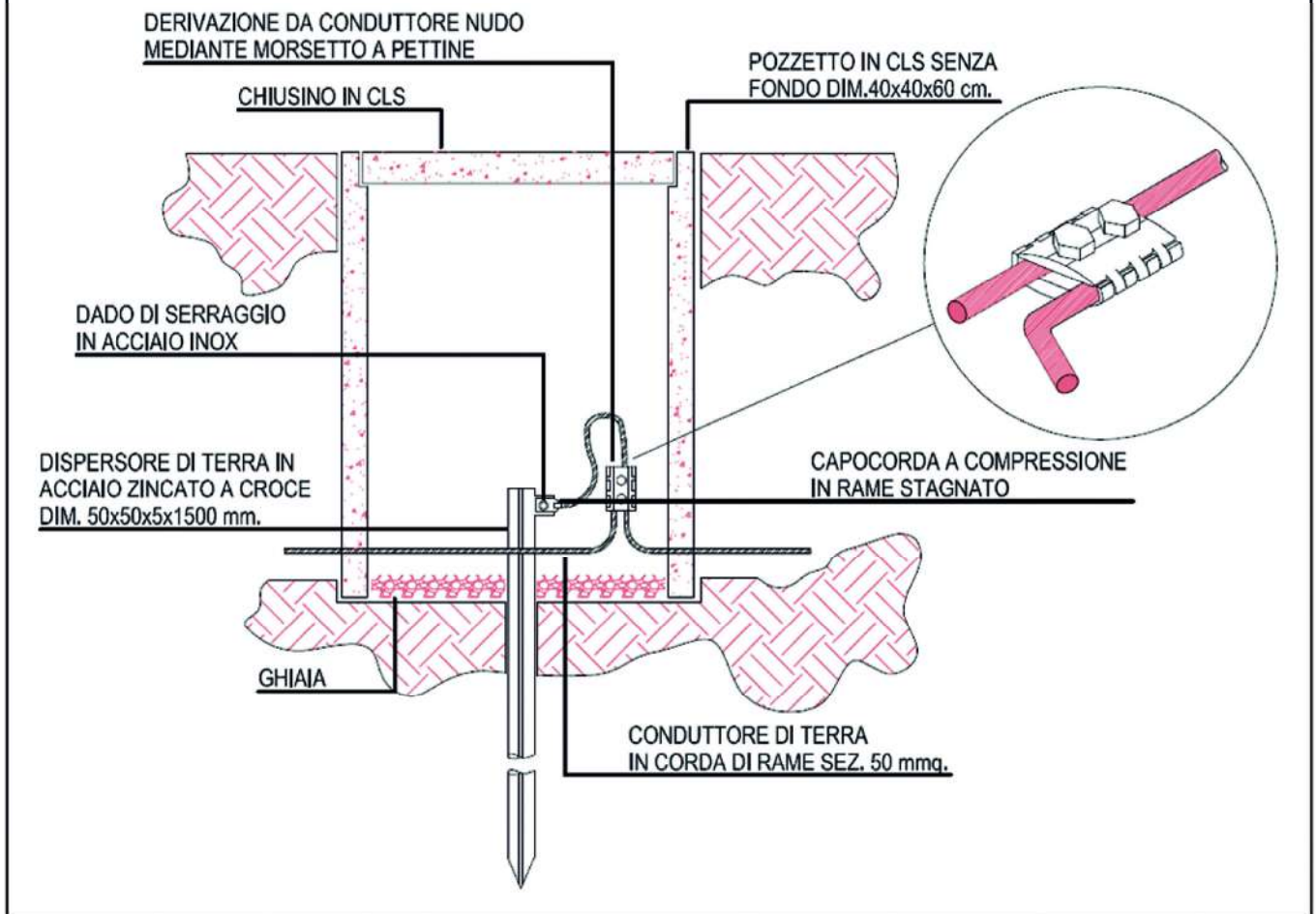
G1	Generatore 1 P: 3480 W
POTENZA	Wp,tot = 17.400 kW (60 Moduli x 0.29 kW)
MODULI - Campo fotovoltaico 1	Suntech Power Co., Ltd., Superpoly STP280-290 20 /Ww, STP290-20/ Ww, 290W
MODULI - Campo fotovoltaico 2	Suntech Power Co., Ltd., Superpoly STP285-295 - 20/Ww, STP290-20/ Ww, 290W
INVERTER	GoodWe Power Supply Technology Co., Ltd., LVD/T/D Series, GW29K-DT, 20 000 W (2 MPPT)
Configurazione	1 Inverter x (4 x 12; 1 x 12)

**Legenda dei simboli**

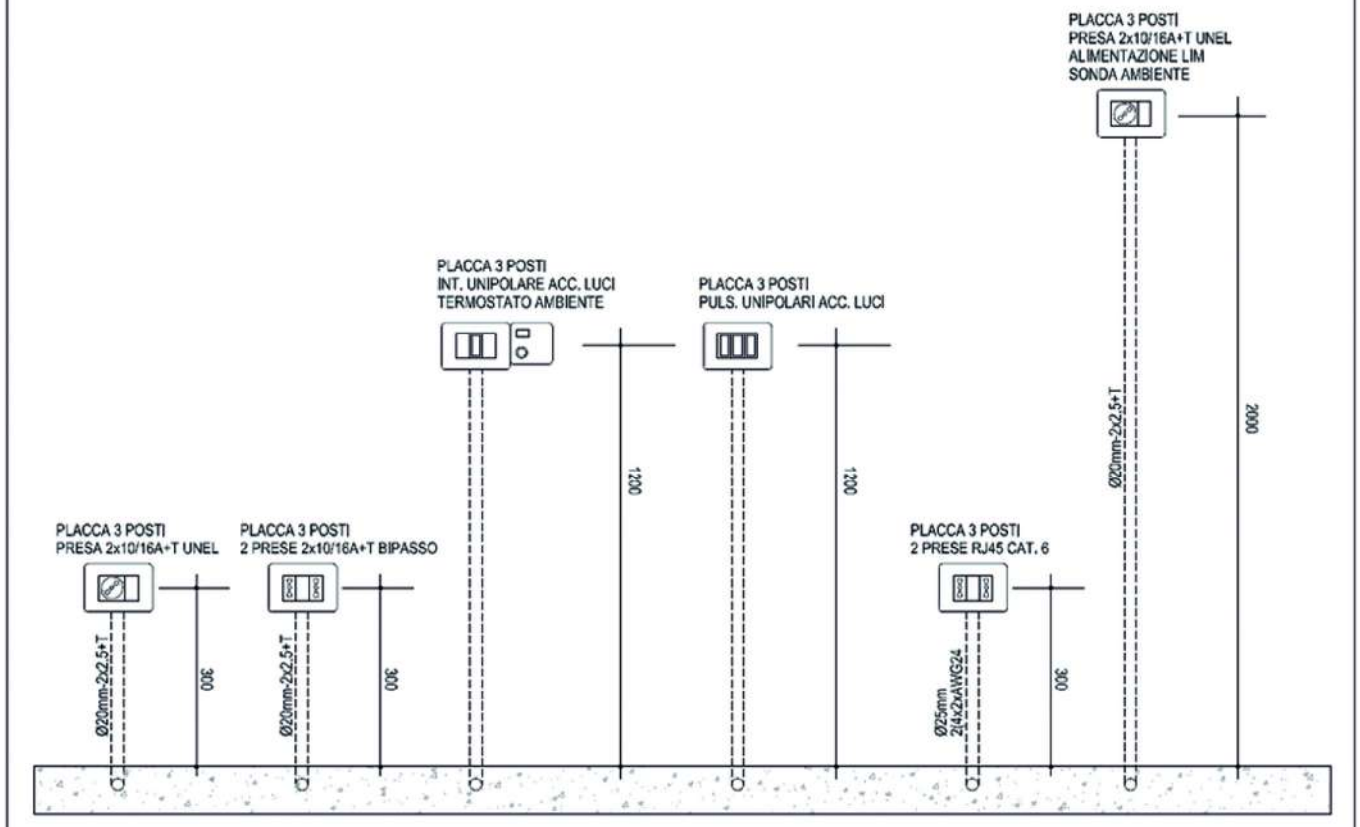
	Inverter
	Stringa
	Contatore
	Interruttore magnetotermico
	SPD
	Interruttore magnetotermico differenziale
	MPPT
	Sistema di protezione di interfaccia

DG: Dispositivo Generale  
 DD: Dispositivo di interfaccia  
 DDG: Dispositivo del Generatore

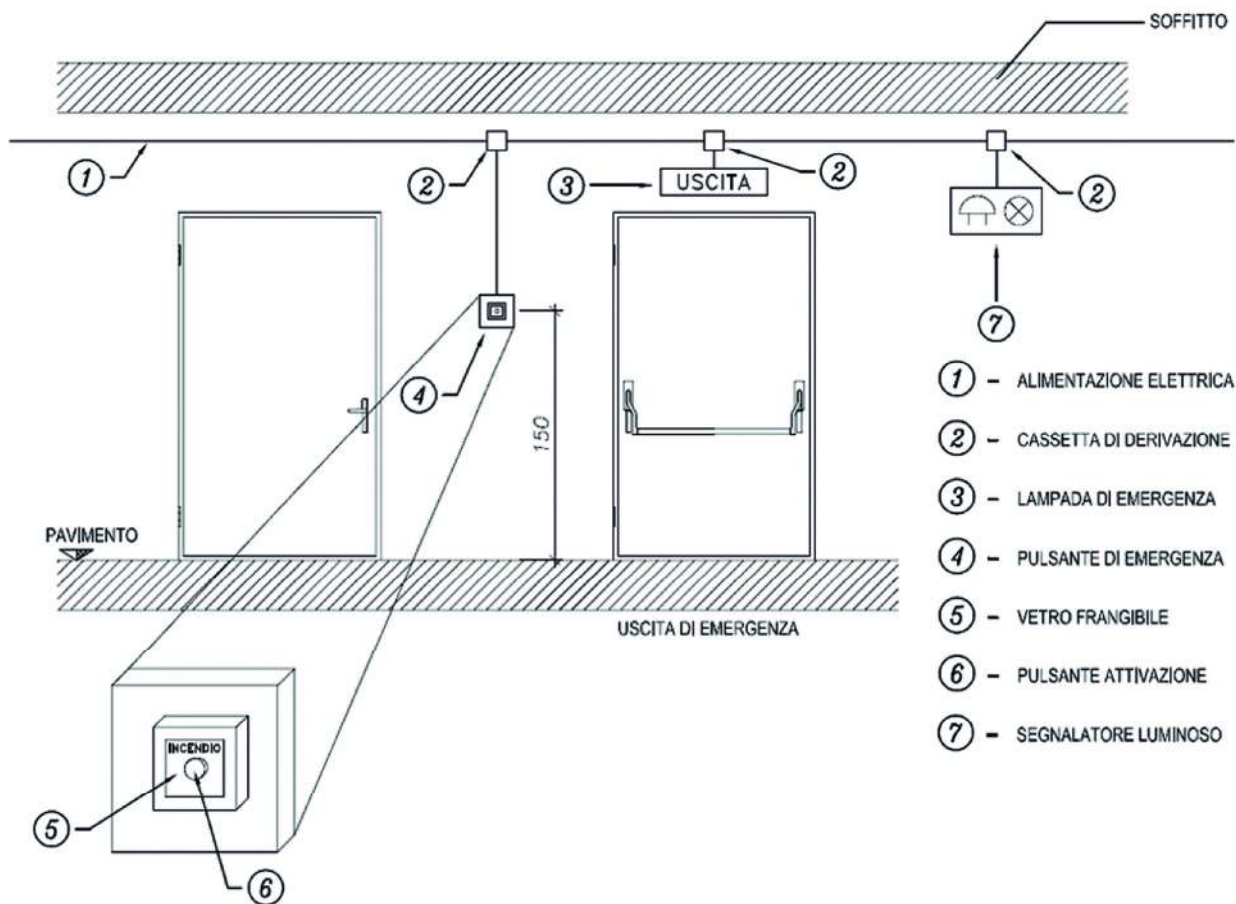
## POZZETTO E DISPERSORE DI TERRA



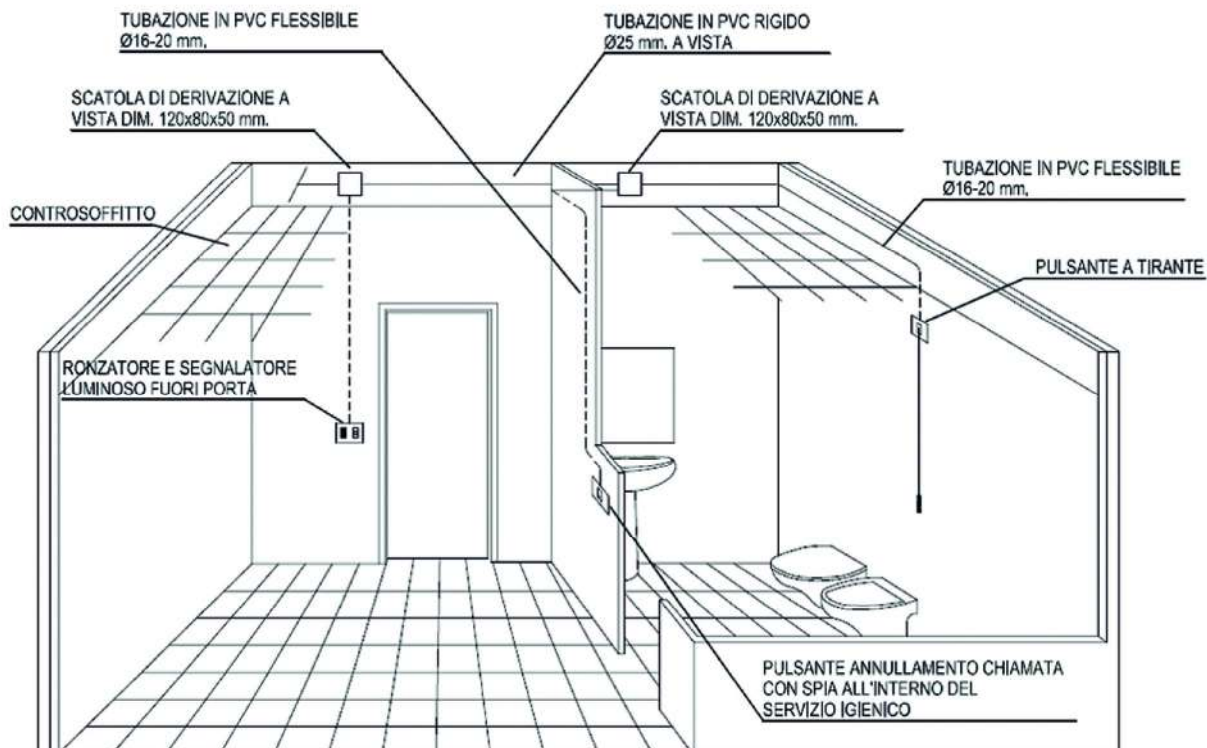
## ALTEZZE DI INSTALLAZIONE COMPONENTI ELETTRICI PRINCIPALI



## IMPIANTO EVACUAZIONE ALLARME - SCHEMA DI PRINCIPIO



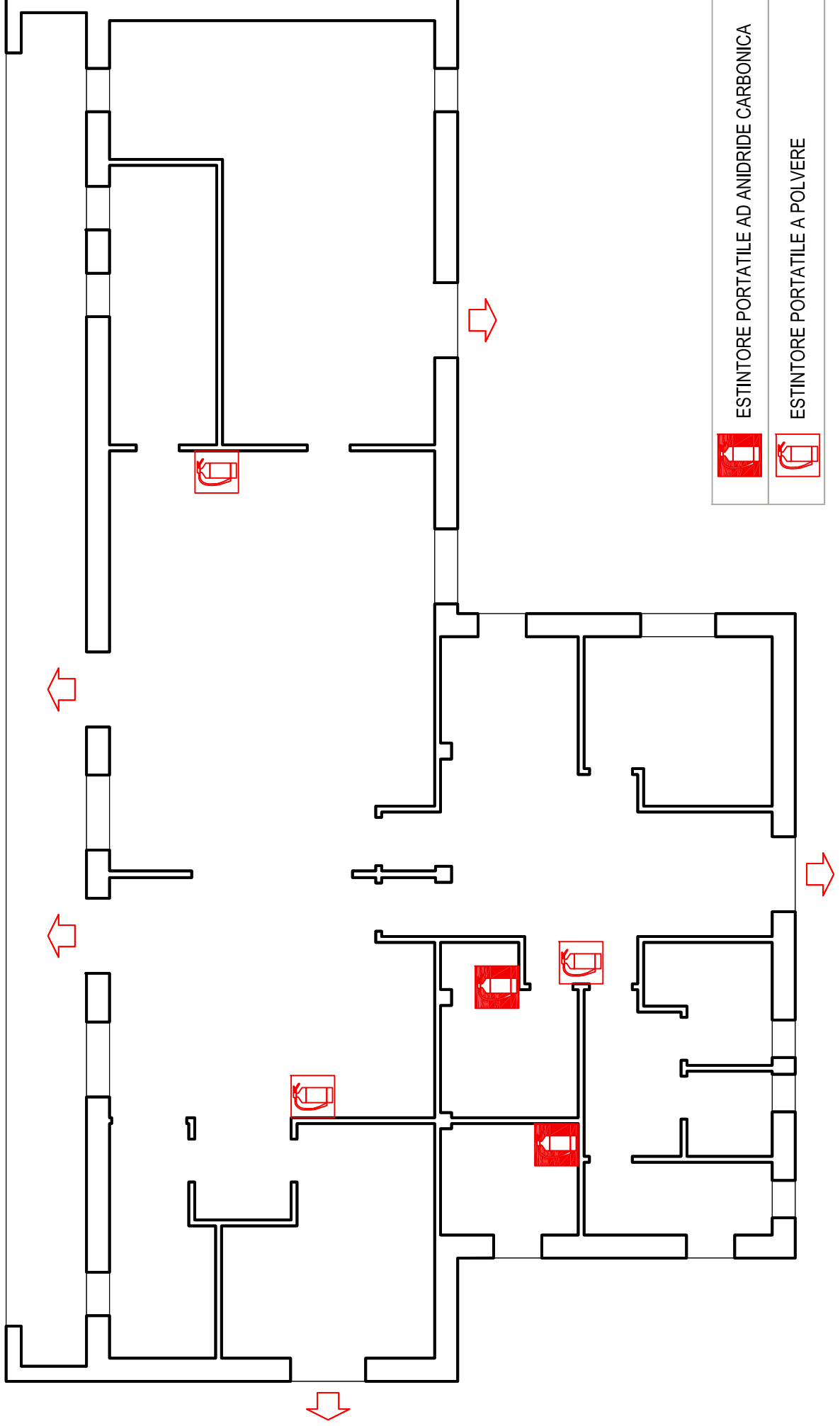
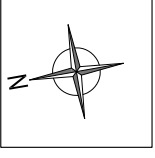
## IMPIANTO DI CHIAMATA SERVIZI IGIENICI - SCHEMA DI PRINCIPIO



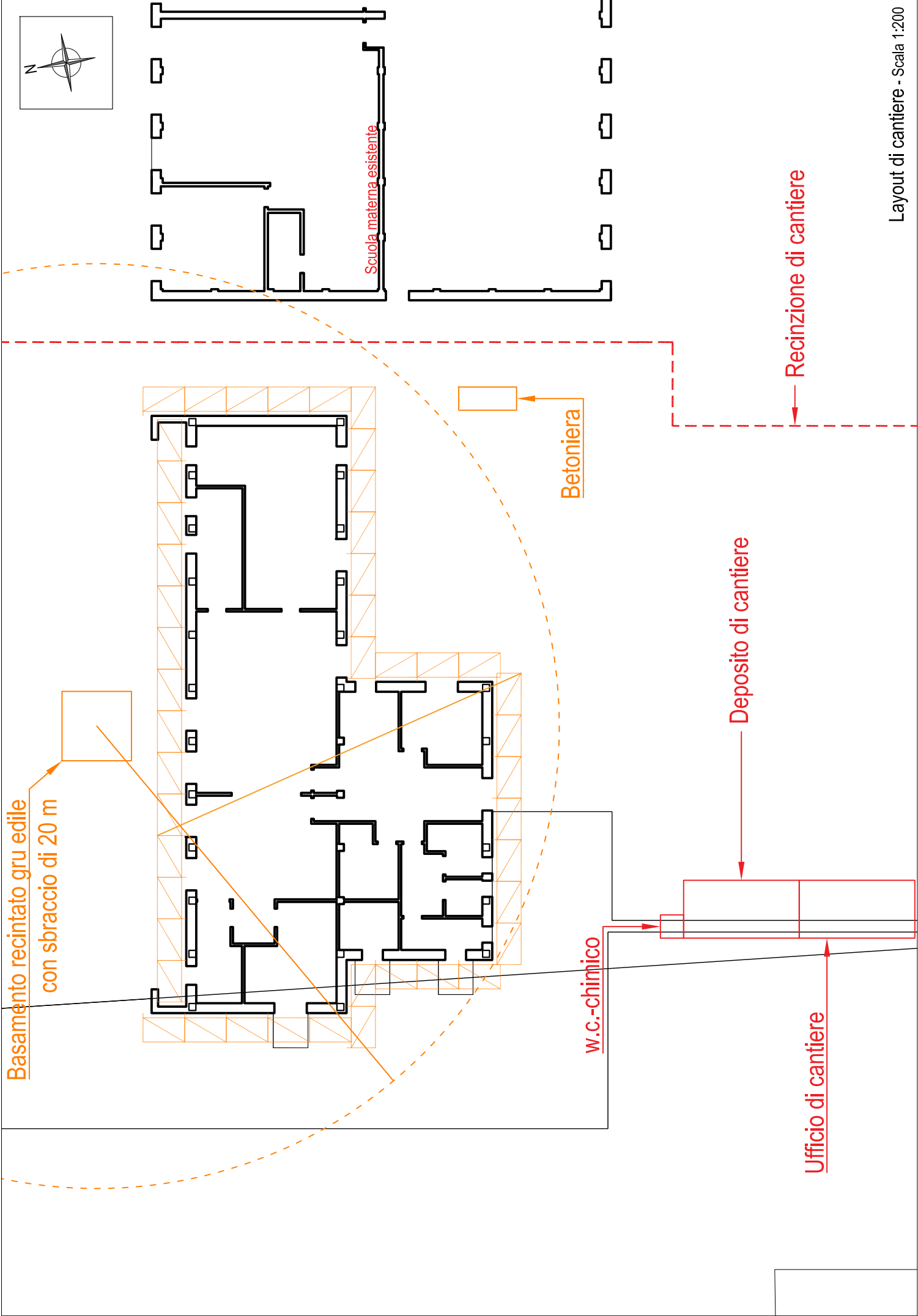
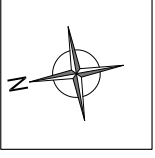
LINEA DORSALE CONDUTTORI N07G9-K 1,5 mmq.

POSATI IN TUBAZIONE IN PVC A PARETE  
POSATA SOPRA IL CONTROSOFFITTO

LINEE COLLEGAMENTO APPARECCHIATURE REALIZZATE  
CON CONDUTTORI N07G9-K 1,5 mmq. POSATI IN  
TUBAZIONI INCASSATE ENTRO MURATURA







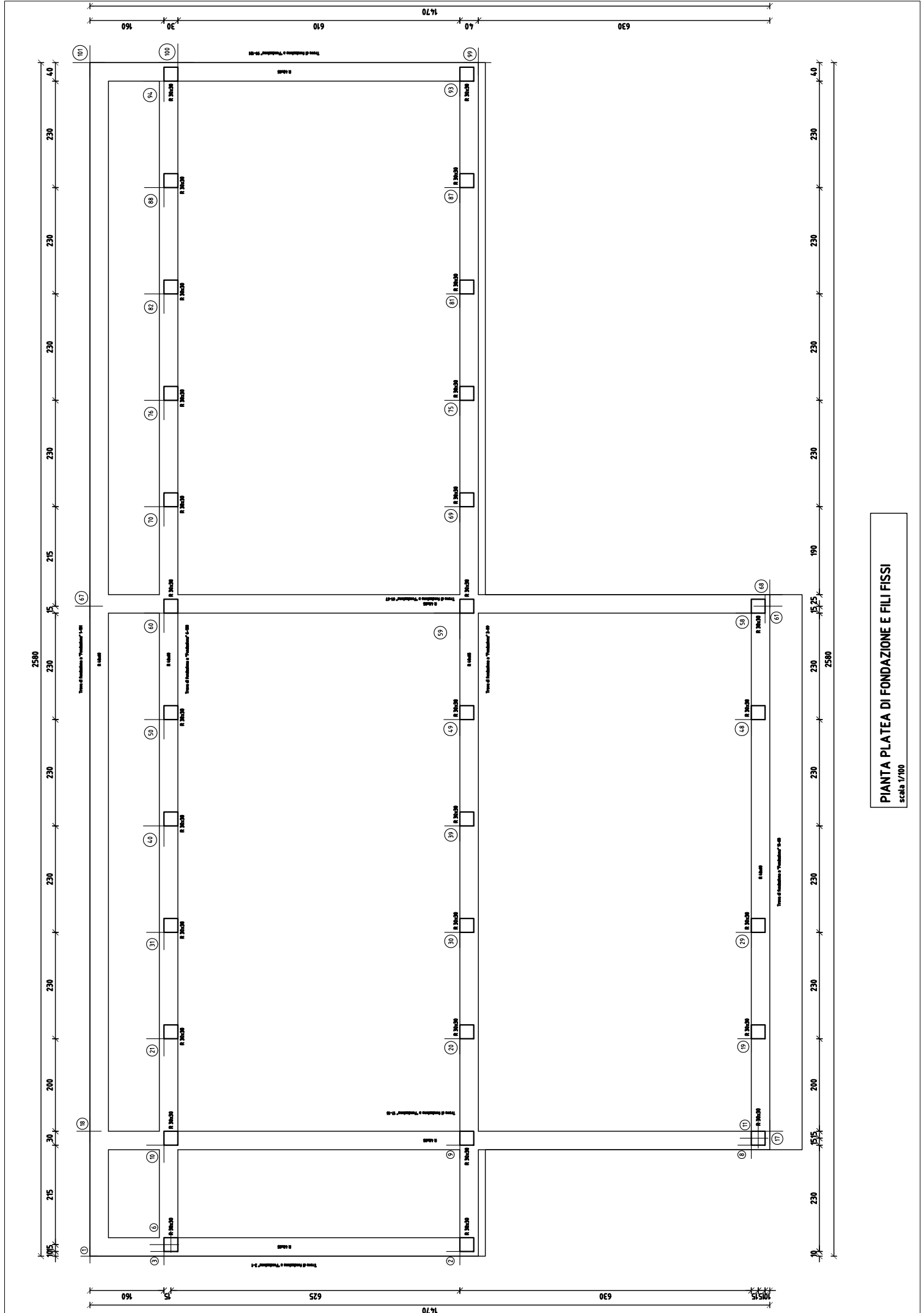
### CARTIGLIO MATERIALI

#### CALCESTRUZZO a prestazione garantita in accordo con norma UNI EN 2016-1

Elemento strutturale	UNI 1104-prosp.1	UNI 1104-prosp.4			Dmax (mm)	Classe di consistenza al getto	Classe di contenuto di cloruri	UNI EN 1992-1-1
	Classi di esposizione ambientale	Classe di resistenza (N/mm <sup>2</sup> )	Rapporto a/c massimo	Contenuto minimo di cemento (kg/m <sup>3</sup> )				Copriferro nominale (mmm)
Fondazioni e muri in terreni non aggressivi	<b>XC1</b>	<b>C25/30</b>	<b>0,60</b>	<b>300</b>	<b>32</b>	<b>S4</b>	<b>CI 0,4</b>	<b>40 controcassero</b>
								<b>50 contro terreno preparato</b>
								<b>80 contro terreno non preparato</b>
Elevazioni in opera	<b>XC1</b>	<b>C25/30</b>	<b>0,50</b>	<b>340</b>	<b>32</b>	<b>S5</b>	<b>CI 0,4</b>	<b>35</b>
<del>Predalles prefabbricate</del>	<del><b>XC4</b></del>	<del><b>C32/40</b></del>	<del><b>0,50</b></del>	<del><b>340</b></del>	<del><b>32</b></del>	<del><b>S5</b></del>	<del><b>CI 0,4</b></del>	<del><b>10</b></del>

Tolleranza copriferro = 10 mm

**ACCIAIO B450C ad aderenza migliorata conforme al D.M. 17.01.2018**



**PIANTA PLATEA DI FONDAZIONE E FILI FISSI**  
 scala 1/100



43x102 p.16 L=549  
592

34x102 p.15 L=319  
272

Platèa a "Fondazione"  
scala 1/100  
Acciaio B450C; Calcestruzzo C25/30

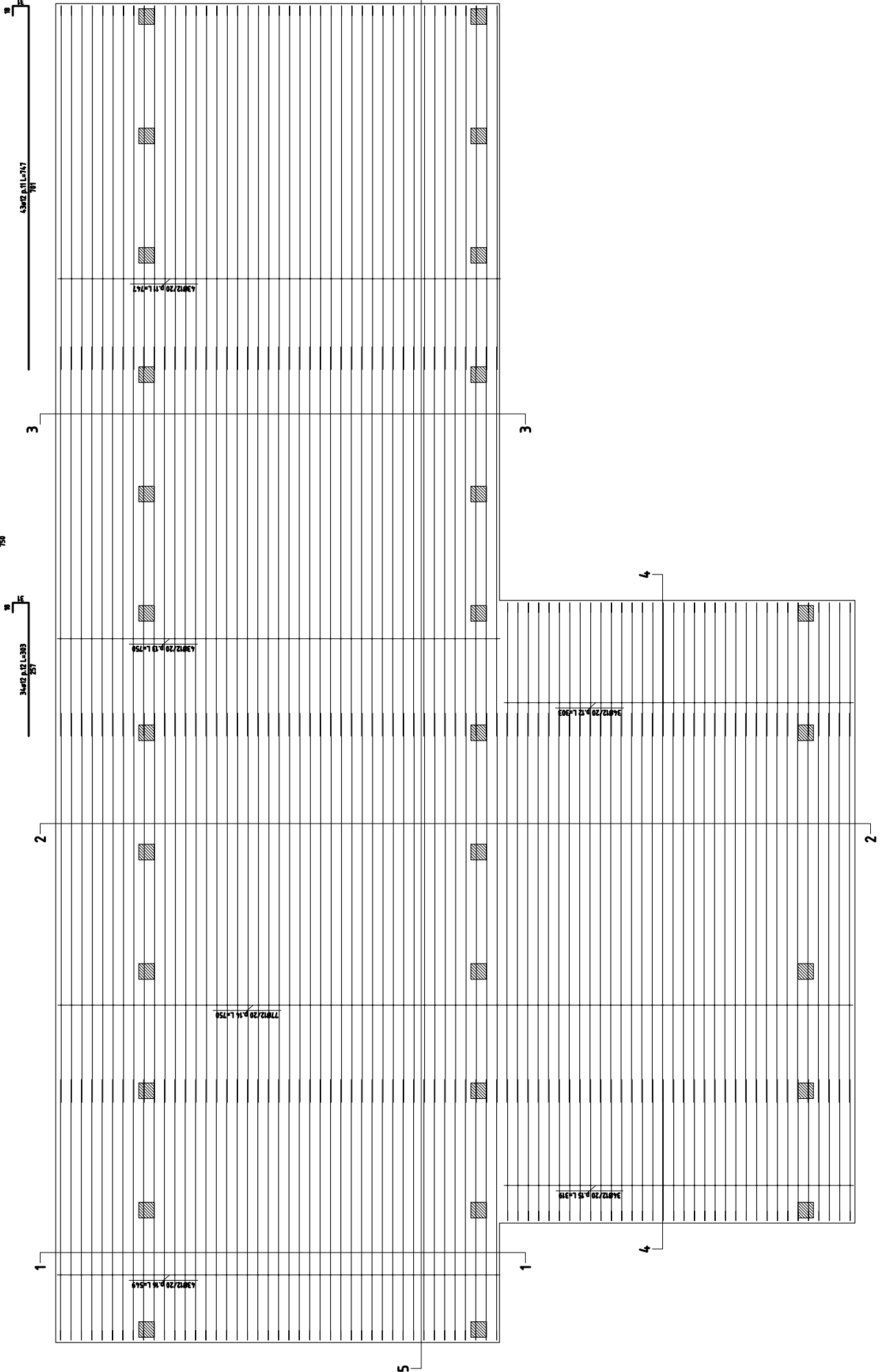
71x102 p.14 L=750  
150

34x102 p.13 L=393  
257

43x102 p.13 L=750  
150

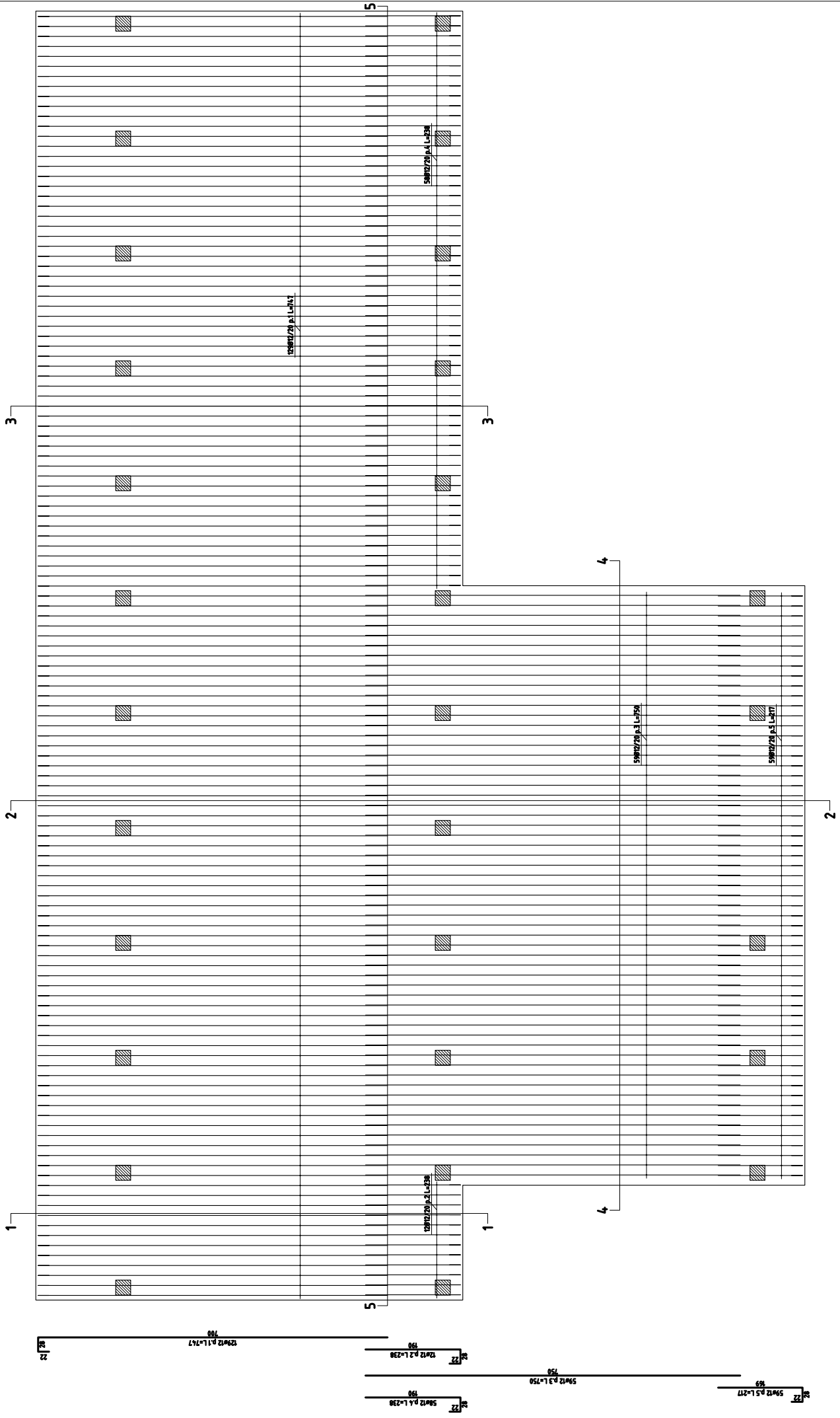
43x102 p.11 L=747  
147

ARMATURA INFERIORE 1° STRATO  
scala 1/100



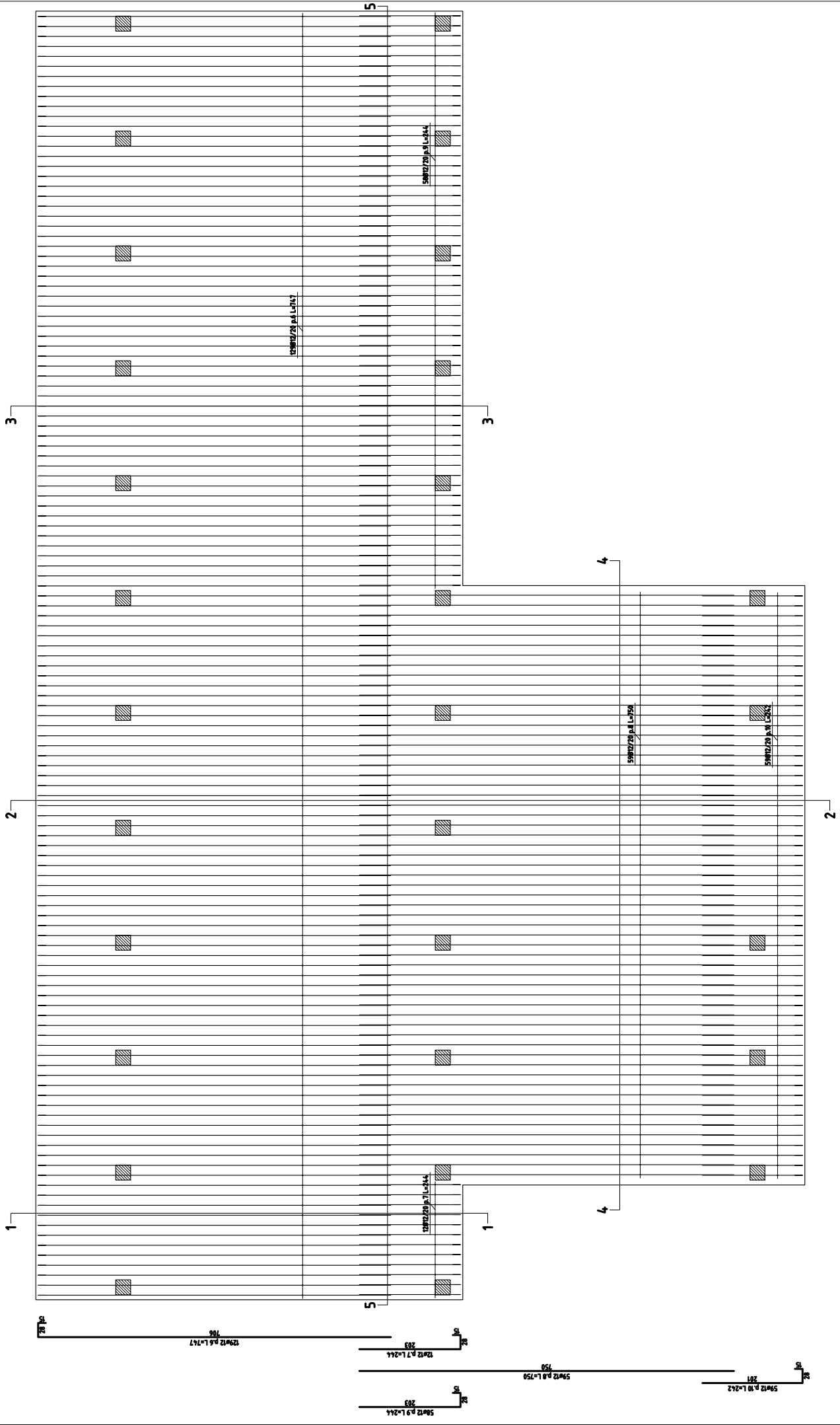
ARMATURA INFERIORE 2° STRATO

scala 1/100



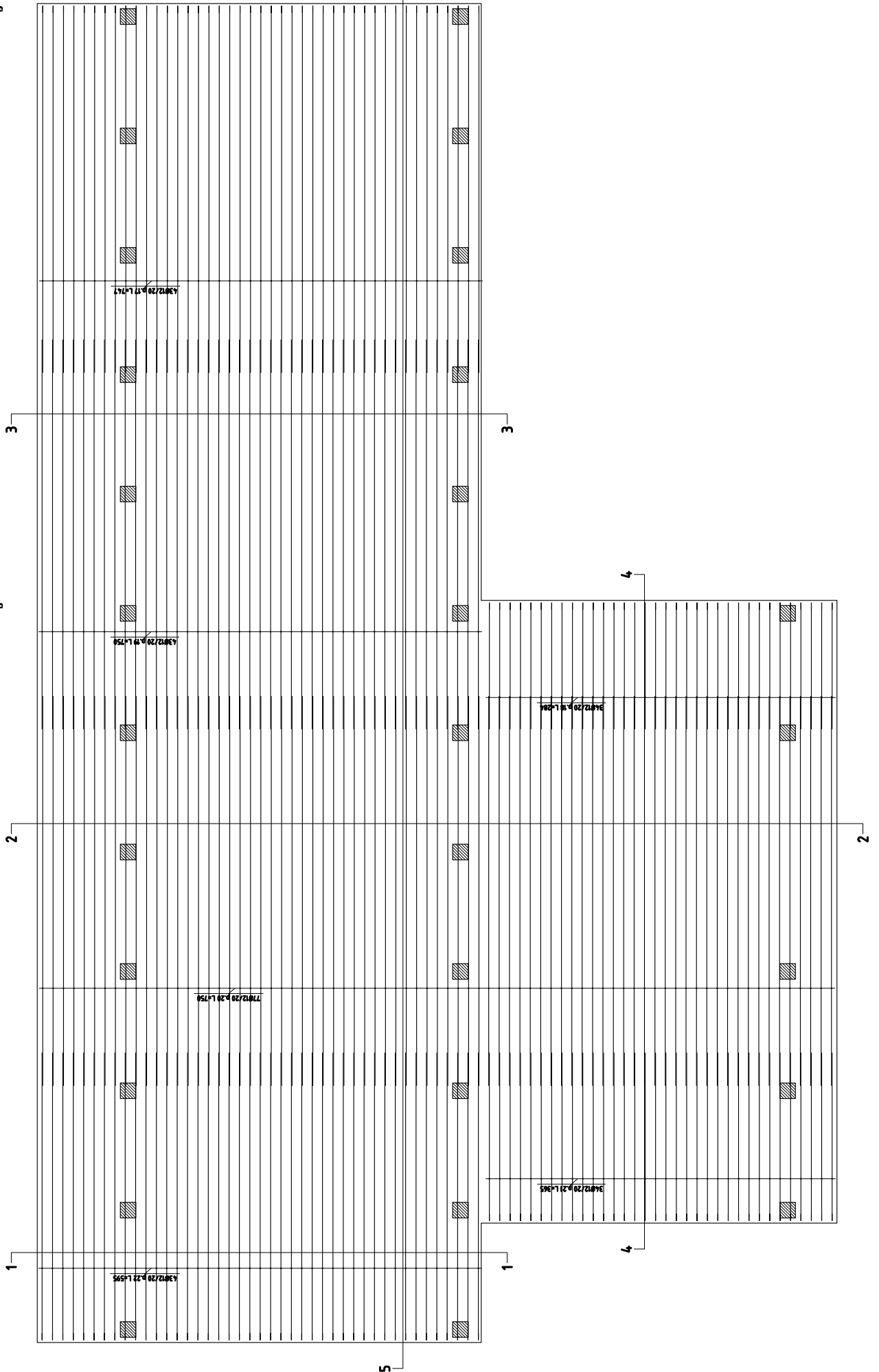
ARMATURA SUPERIORE 2° STRATO

scala 1/100



ARMATURA SUPERIORE 1° STRATO

scala 1/100

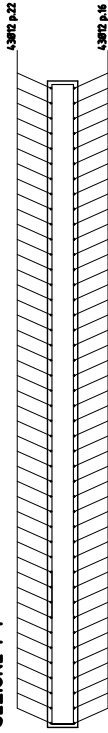




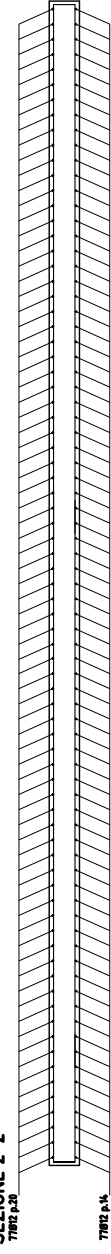
**TAVOLA SEZIONI**

scala 1/100

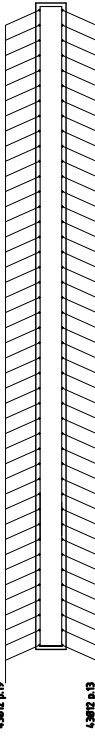
**SEZIONE 1-1**



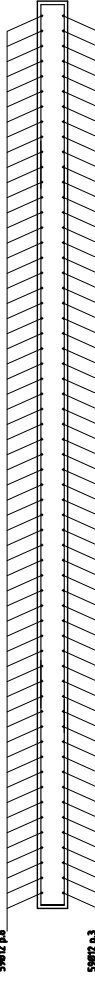
**SEZIONE 2-2**



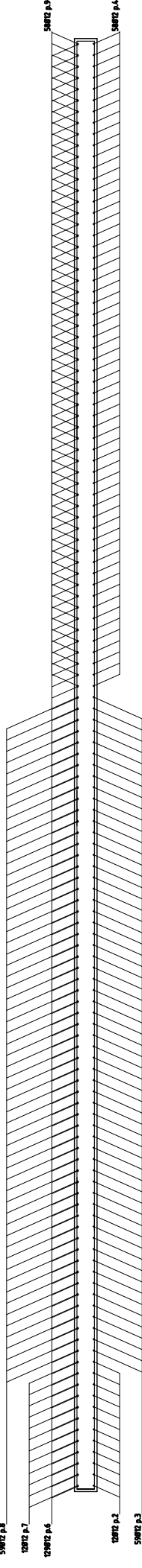
**SEZIONE 3-3**



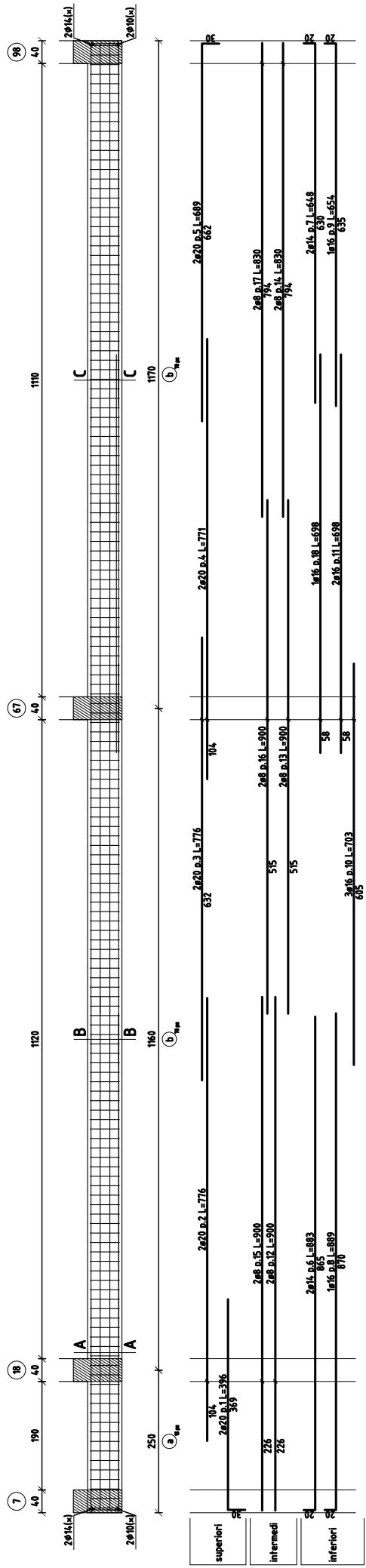
**SEZIONE 4-4**



**SEZIONE 5-5**

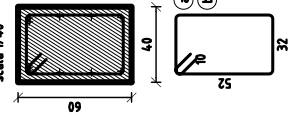


**Trave di fondazione a "Fondazione" 1-101**  
scala 1/100

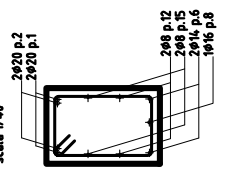


si fa riferimento alle lunghezze

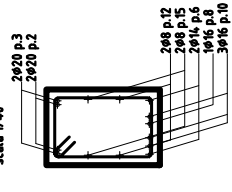
**Sezione 7-98**  
scala 1/40



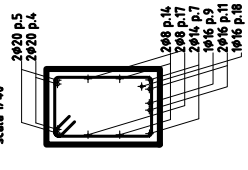
**Sezione A-A**  
scala 1/40



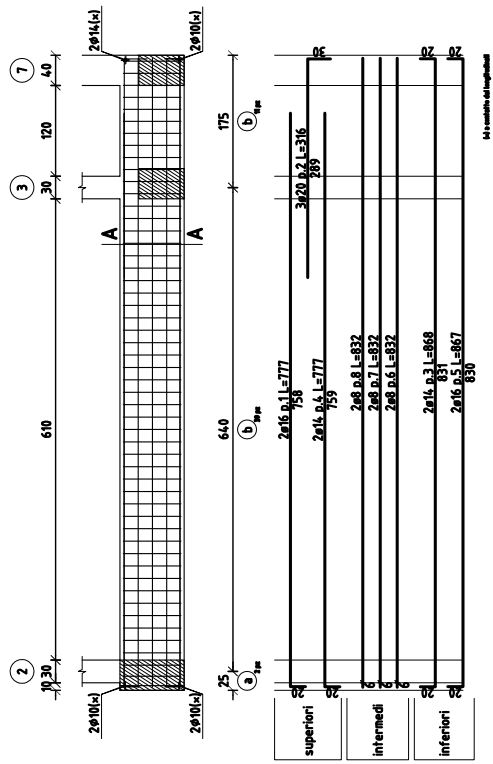
**Sezione B-B**  
scala 1/40



**Sezione C-C**  
scala 1/40



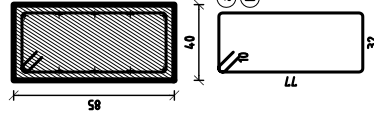
**Trave di fondazione a "Fondazione" 2-1**  
scala 1/100



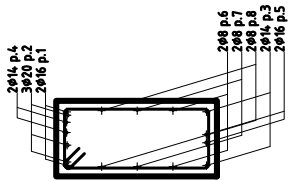
superiori	2ø16 p.1 L=777	3ø20 p.2 L=316	2ø14 p.4 L=177	759	289	85
intermedi	2ø8 p.8 L=832	2ø8 p.7 L=832	2ø8 p.6 L=832			85
inferiori	2ø14 p.3 L=868	831	2ø16 p.5 L=867	850		85

1/4 e scostato del supporto

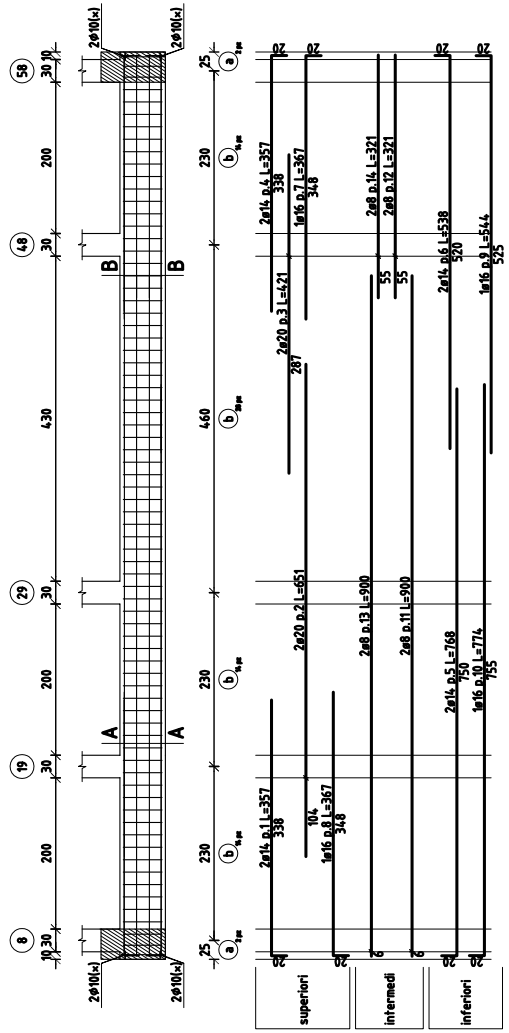
**Sezione**  
scala 1/40



**SezioneA-A**  
scala 1/40



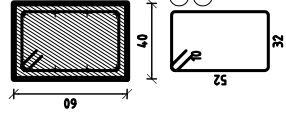
**Trave di fondazione a "Fondazione" 11-68**  
scala 1/100



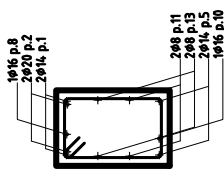
superiori	2ø16 p.1 L=357	3ø20 p.2 L=471	2ø14 p.4 L=357	759	289	85
intermedi	2ø8 p.8 L=832	2ø8 p.7 L=832	2ø8 p.6 L=832			85
inferiori	2ø14 p.3 L=868	831	2ø16 p.5 L=867	850		85

1/4 e scostato del supporto

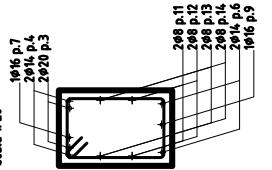
**Sezione**  
scala 1/40



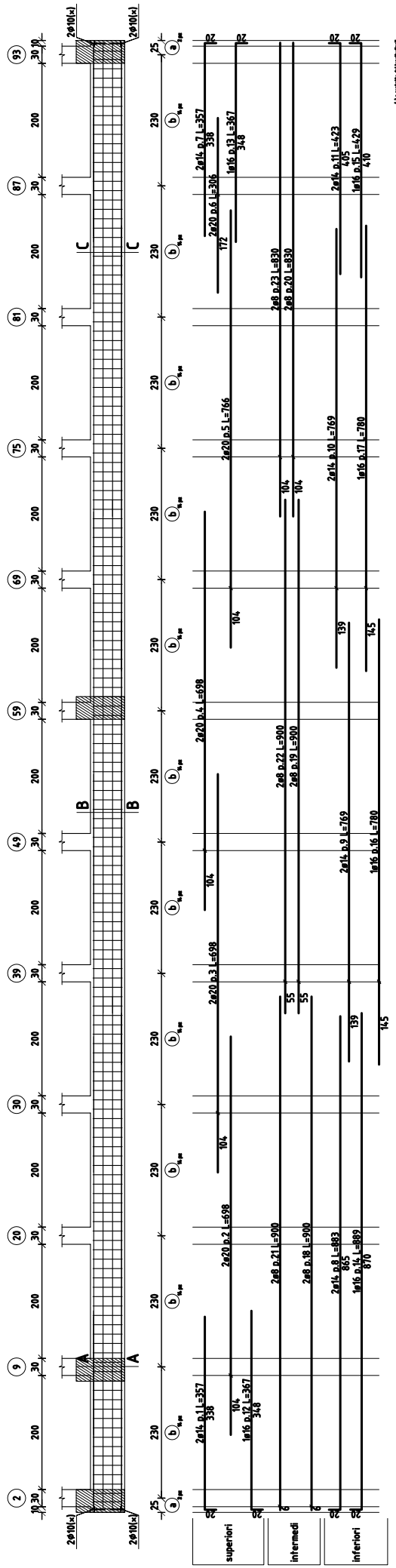
**SezioneA-A**  
scala 1/40



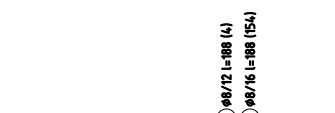
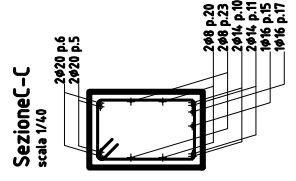
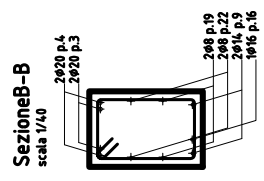
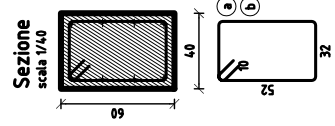
**SezioneB-B**  
scala 1/20



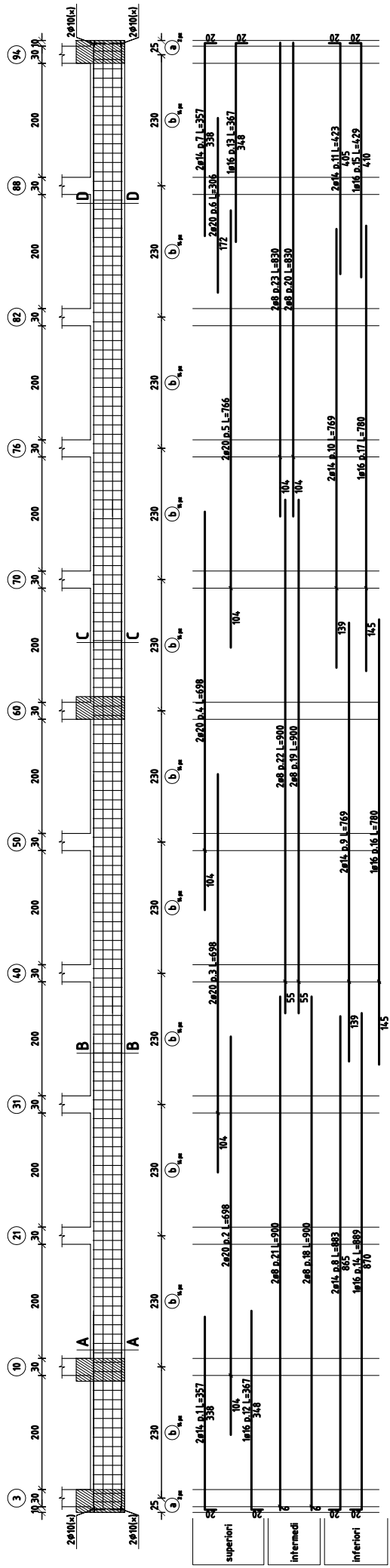
**Trave di fondazione a "Fondazione" 2-99**  
scala 1/100



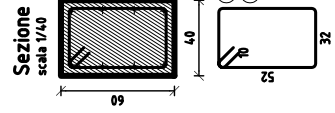
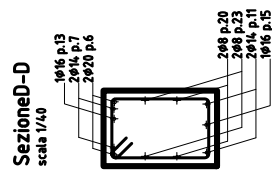
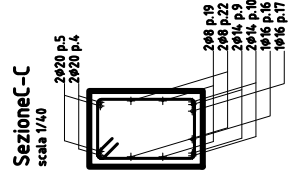
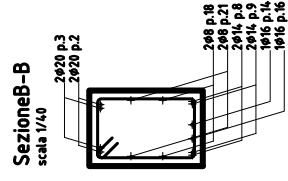
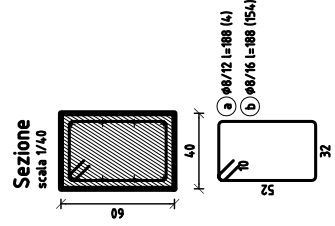
64 e numero del progetto



**Trave di fondazione a "Fondazione" 6-100**  
scala 1/100

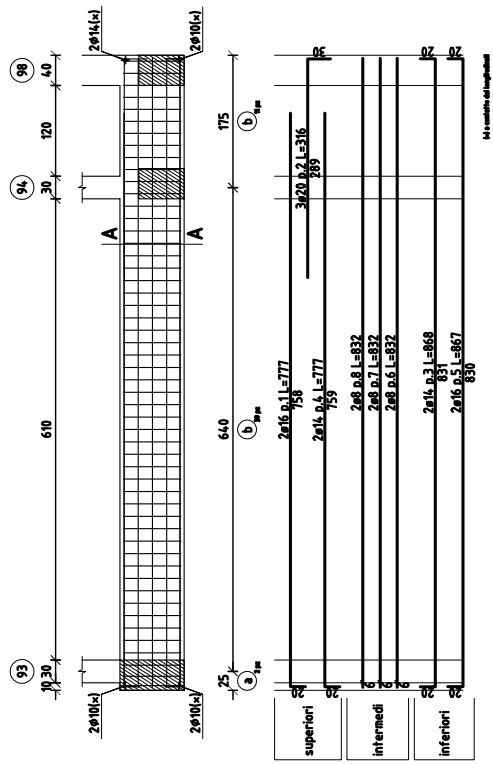


si è considerato ad lunghezza

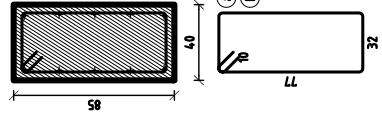




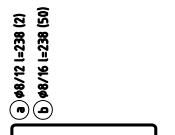
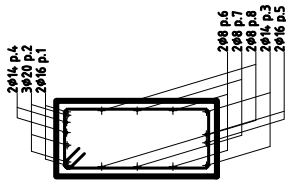
**Trave di fondazione a "Fondazione" 99-101**  
scala 1/100



**Sezione**  
scala 1/40



**SezioneA-A**  
scala 1/40



superiori	2ø16 p.1 L=777	758	2ø16 p.2 L=316	289
intermedi	2ø16 p.3 L=777	759	2ø16 p.4 L=832	832
	2ø16 p.5 L=832	832	2ø16 p.6 L=832	832
inferiori	2ø16 p.7 L=867	831	2ø16 p.8 L=867	850

14 è numero del progetto

# Pilastrata 2

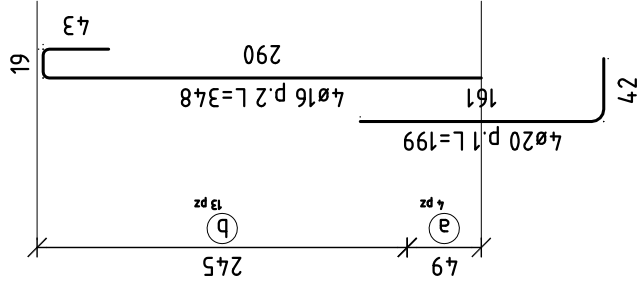
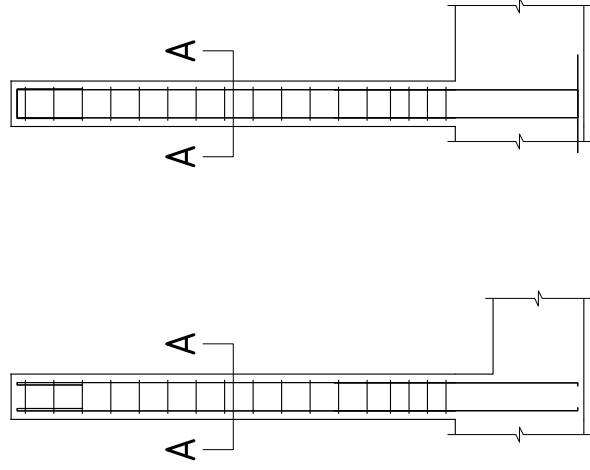
scala 1/50

339 ▽

192 ▽

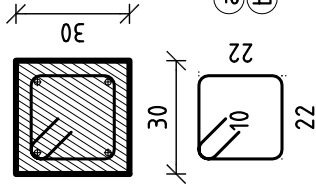
45 ▽

-40 ▽



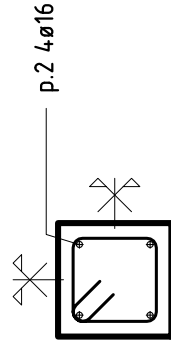
## Staffe tra le quote (45;339)

scala 1/20



## Sezione A-A

scala 1/20





# Pilastrata 3

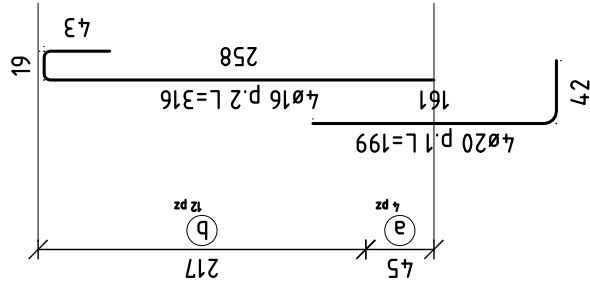
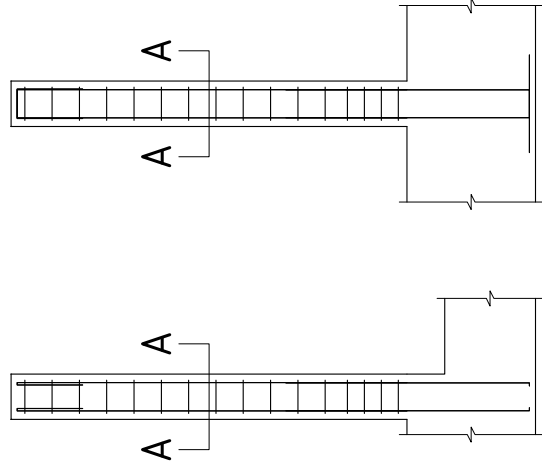
scala 1/50

307 ▽

176 ▽

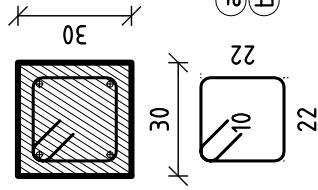
45 ▽

-40 ▽



## Staffe tra le quote (45;307)

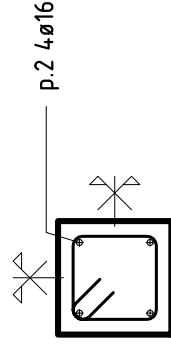
scala 1/20



(a)  $\varnothing 10/11$  L=109 (4)  
(b)  $\varnothing 10/18$  L=109 (12)

## Sezione A-A

scala 1/20



# Pilastrata 8

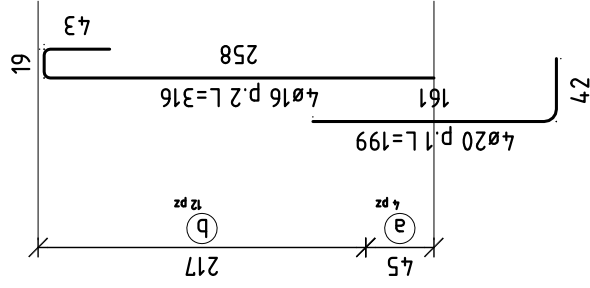
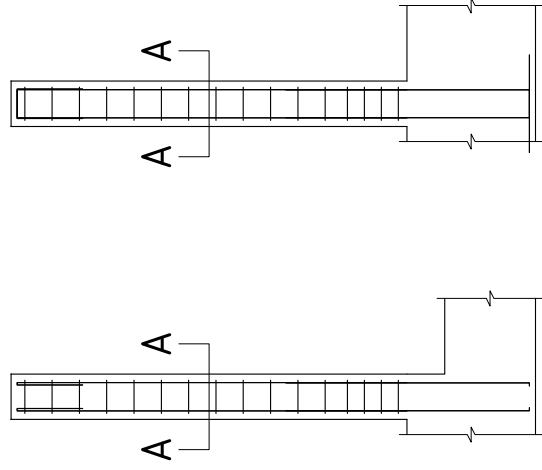
scala 1/50

307

176

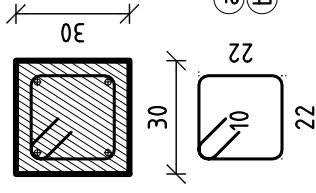
45

-40



## Staffe tra le quote (45;307)

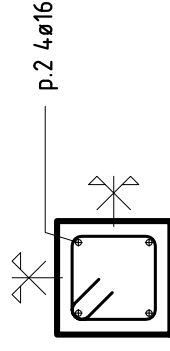
scala 1/20



- a)  $\varnothing 10/11$  L=109 (4)
- b)  $\varnothing 10/18$  L=109 (12)

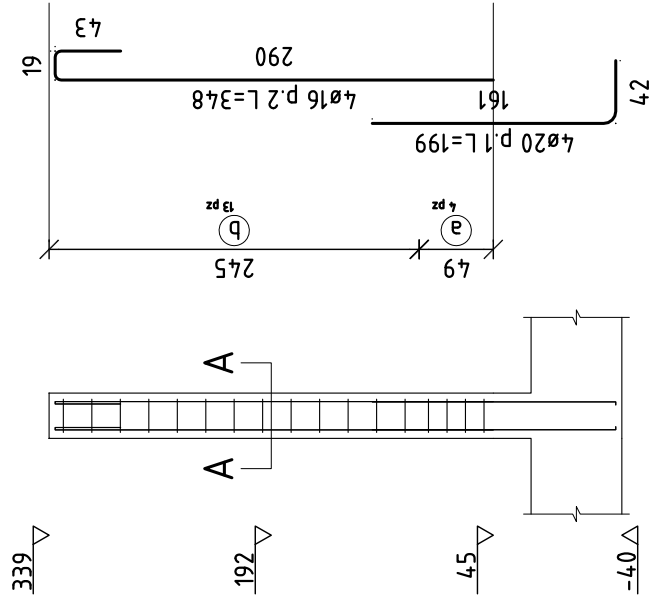
## Sezione A-A

scala 1/20



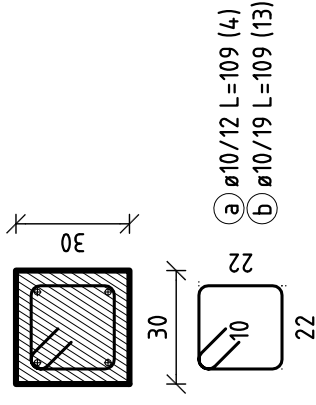
# Pilastrata 9

scala 1/50



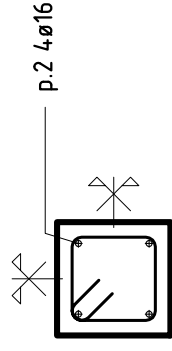
## Staffe fra le quote (45;339)

scala 1/20



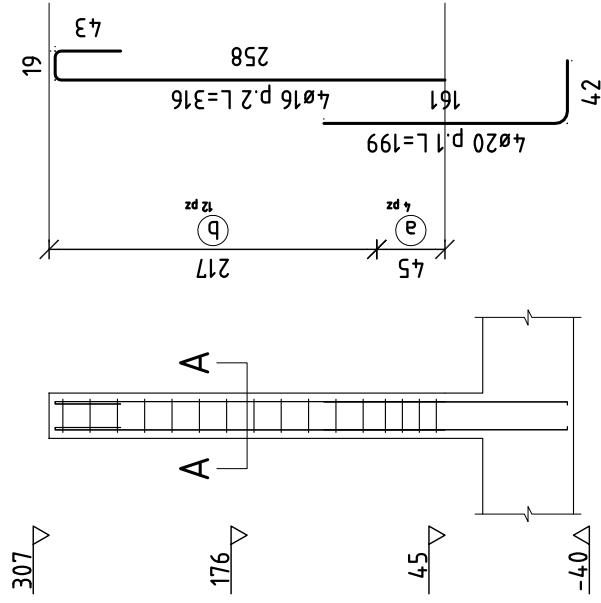
## Sezione A-A

scala 1/20



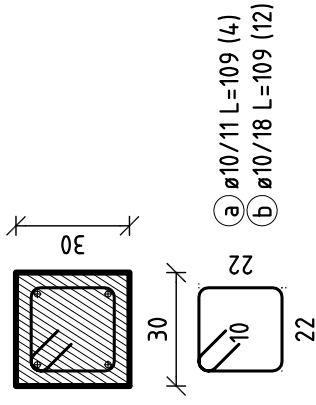
# Pilastrata 10

scala 1/50



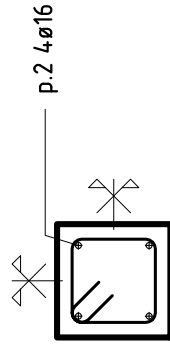
## Staffe fra le quote (45;307)

scala 1/20



## Sezione A-A

scala 1/20



# Pilastrata 19

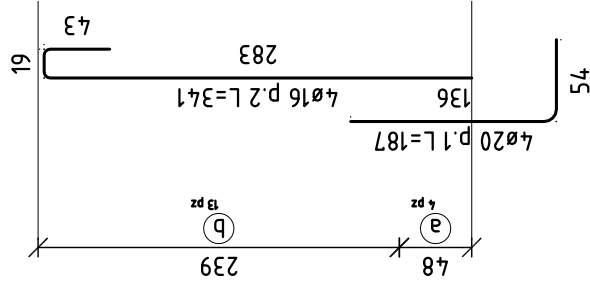
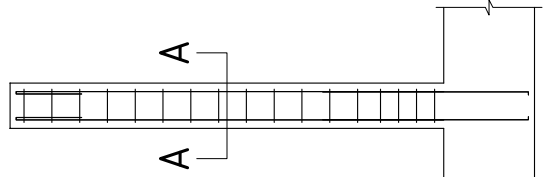
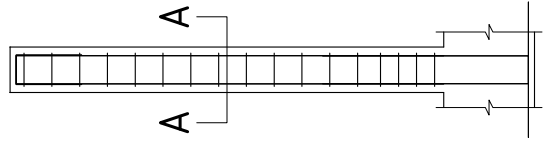
scala 1/50

307

163

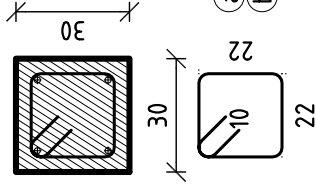
20

-40



## Staffe tra le quote (20;307)

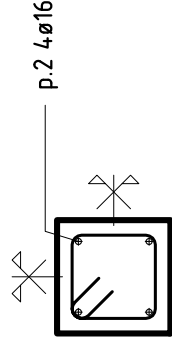
scala 1/20



- a) Ø10/12 L=109 (4)
- b) Ø10/18 L=109 (13)

## Sezione A-A

scala 1/20



# Pilastrata 20

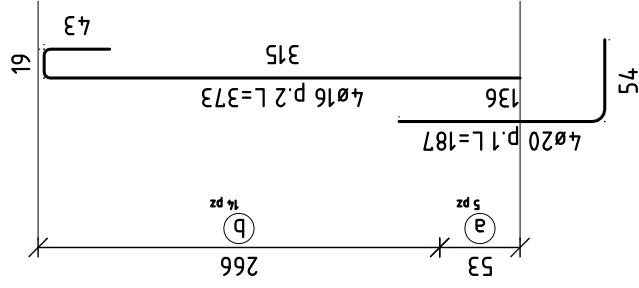
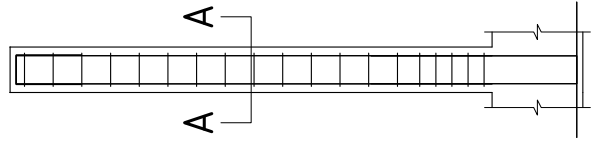
scala 1/50

339

179

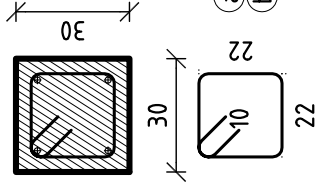
20

-40



## Staffe tra le quote (20;339)

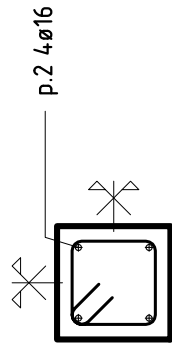
scala 1/20



- a) ø10/11 L=109 (5)
- b) ø10/19 L=109 (14)

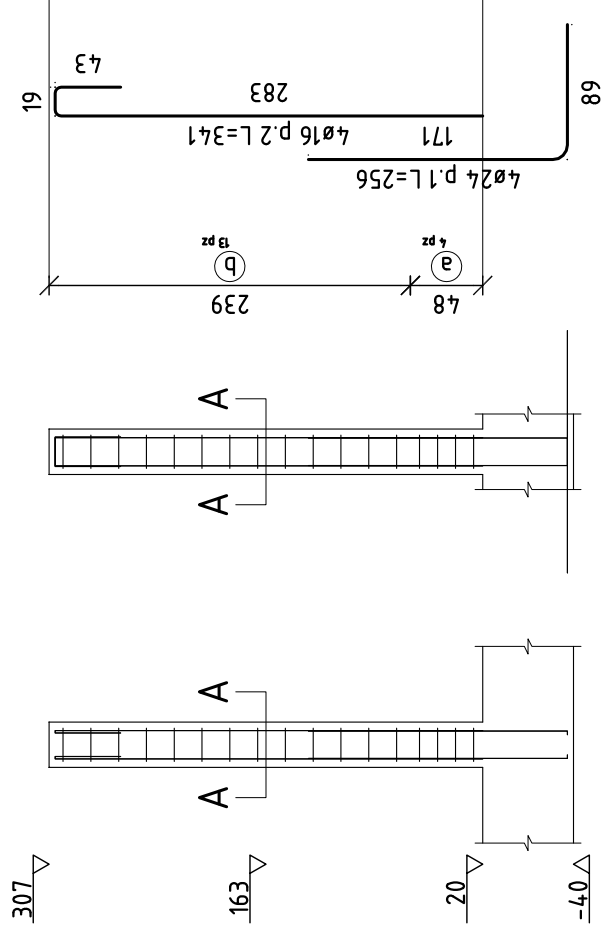
## Sezione A-A

scala 1/20



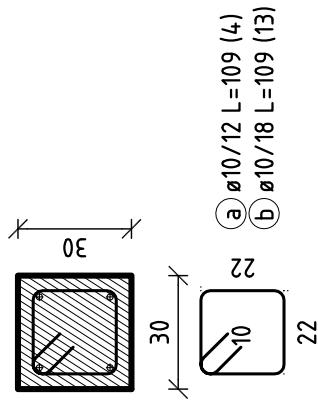
# Pilastrata 21

scala 1/50



## Staffe tra le quote (20;307)

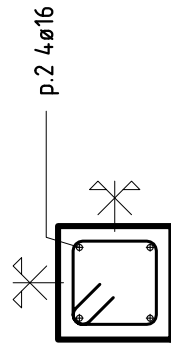
scala 1/20



- a)  $\emptyset 10/12$  L=109 (4)
- b)  $\emptyset 10/18$  L=109 (13)

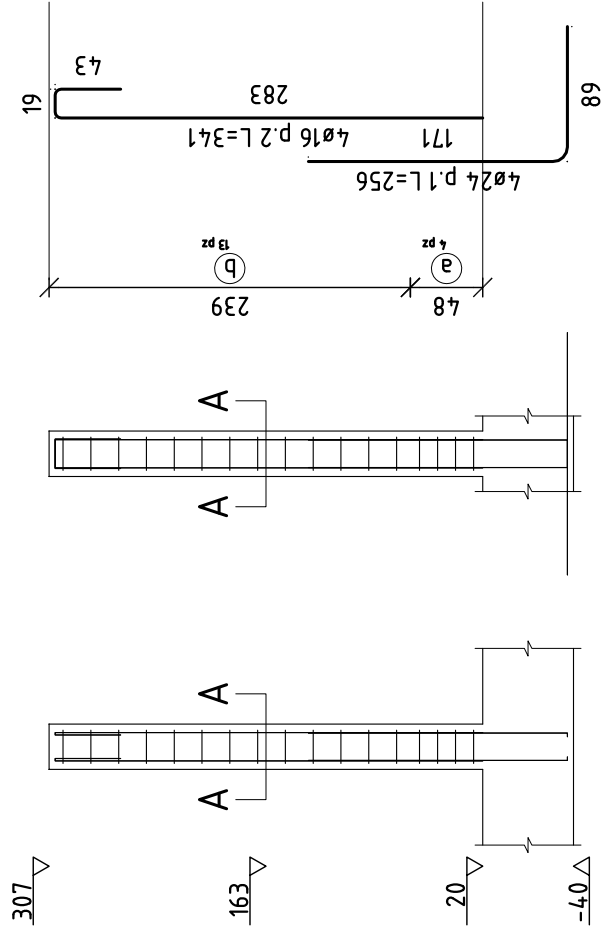
## Sezione A-A

scala 1/20



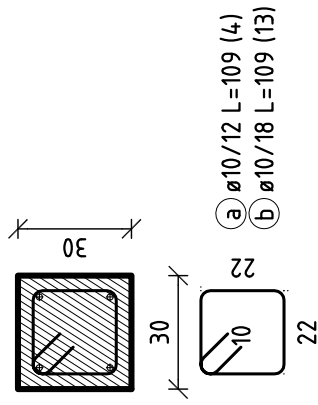
# Pilastrata 29

scala 1/50



## Staffe tra le quote (20;307)

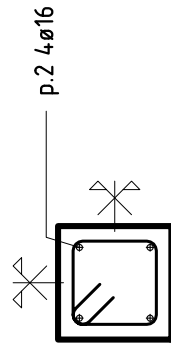
scala 1/20



- a)  $\varnothing 10/12$  L=109 (4)
- b)  $\varnothing 10/18$  L=109 (13)

## Sezione A-A

scala 1/20





# Pilastrata 30

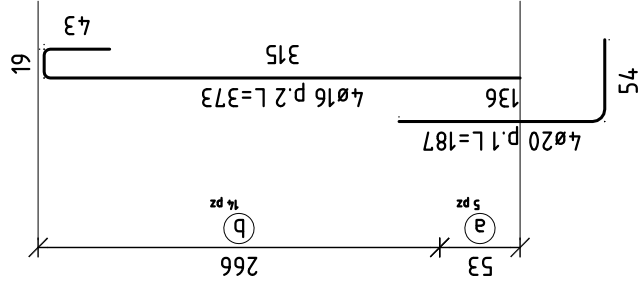
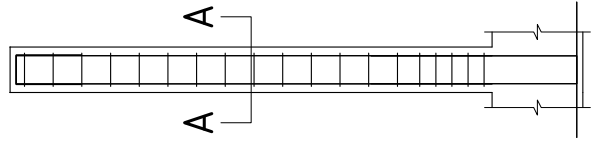
scala 1/50

339

179

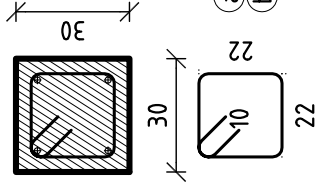
20

-40



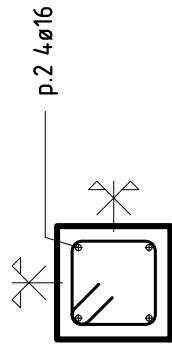
## Staffe tra le quote (20;339)

scala 1/20



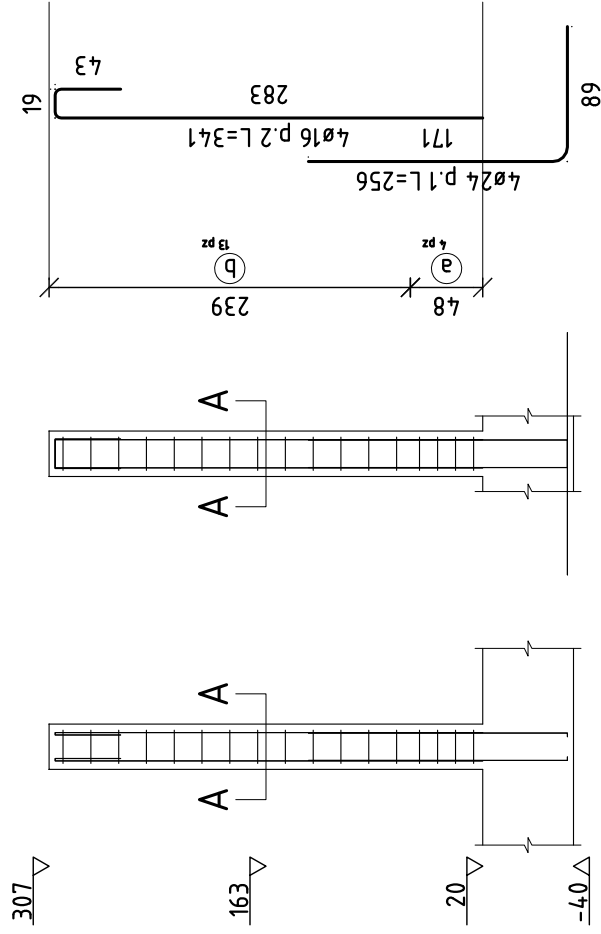
## Sezione A-A

scala 1/20



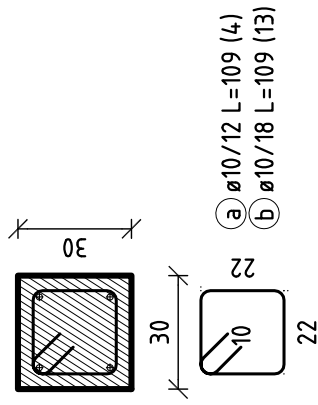
# Pilastrata 31

scala 1/50



## Staffe tra le quote (20;307)

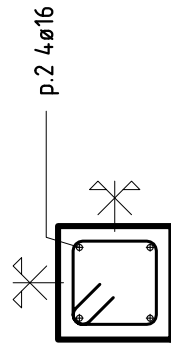
scala 1/20



- a)  $\emptyset 10/12$  L=109 (4)
- b)  $\emptyset 10/18$  L=109 (13)

## Sezione A-A

scala 1/20



# Pilastrata 39

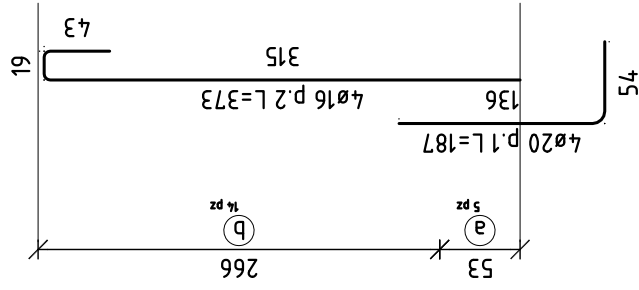
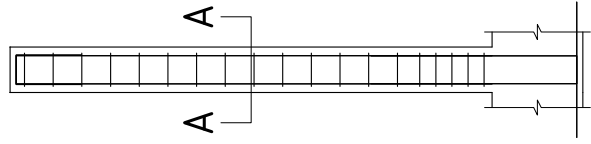
scala 1/50

339

179

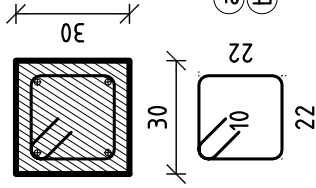
20

-40



## Staffe tra le quote (20;339)

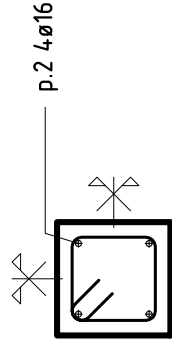
scala 1/20



- (a) ø10/11 L=109 (5)
- (b) ø10/19 L=109 (14)

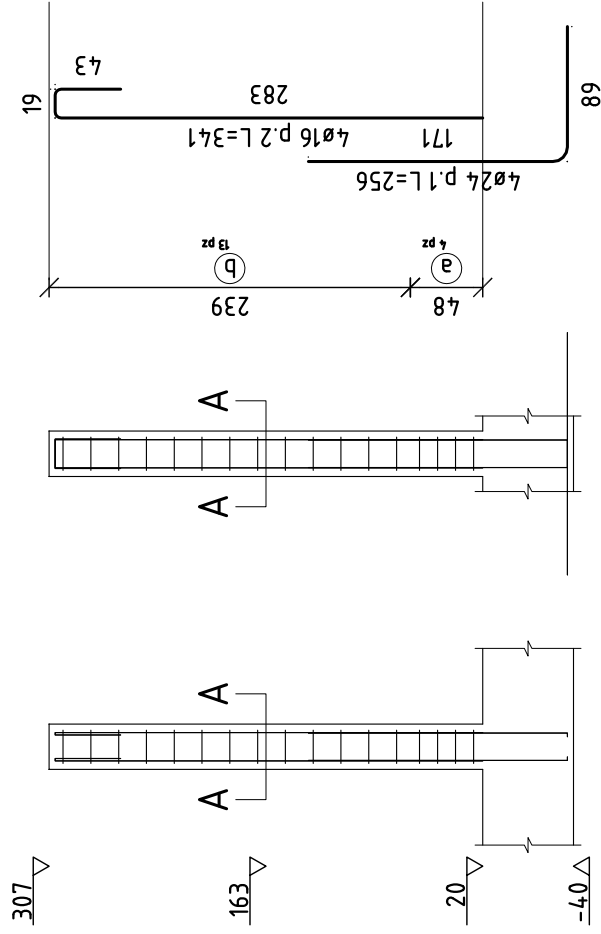
## Sezione A-A

scala 1/20



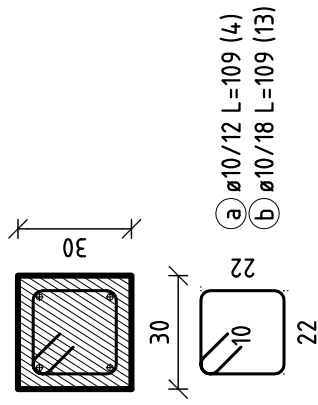
# Pilastrata 40

scala 1/50



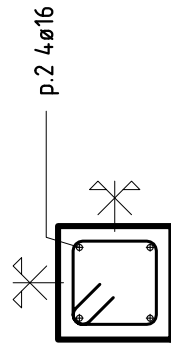
## Staffe tra le quote (20;307)

scala 1/20



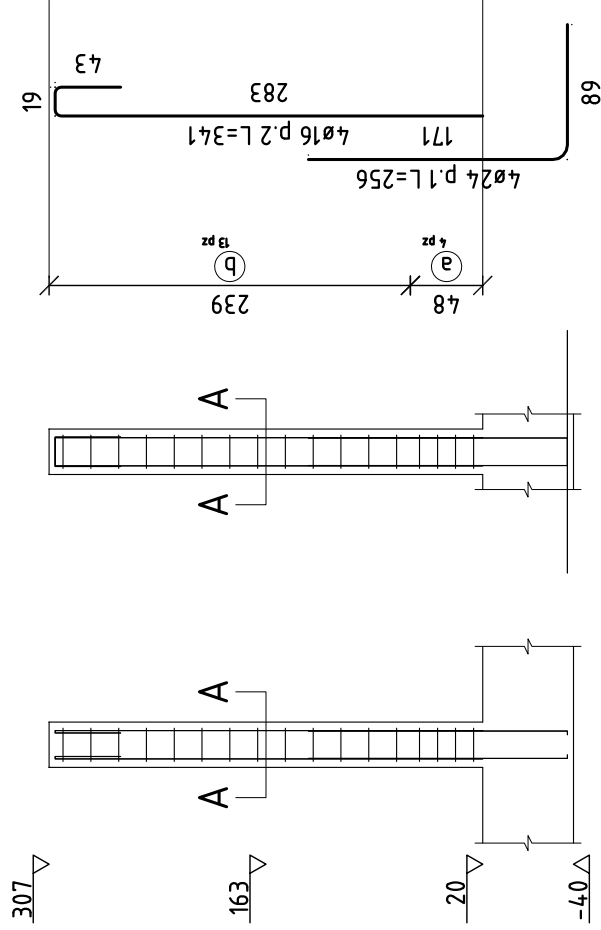
## Sezione A-A

scala 1/20



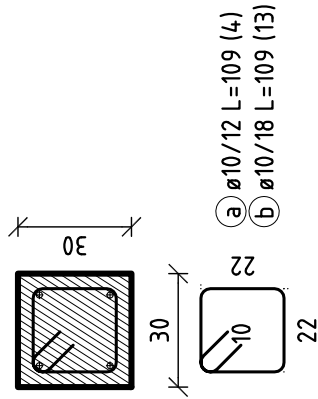
# Pilastrata 48

scala 1/50



## Staffe tra le quote (20;307)

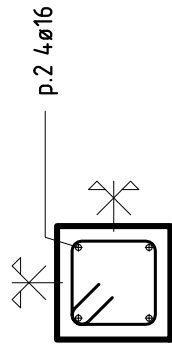
scala 1/20



- a) ø10/12 L=109 (4)
- b) ø10/18 L=109 (13)

## Sezione A-A

scala 1/20



# Pilastrata 49

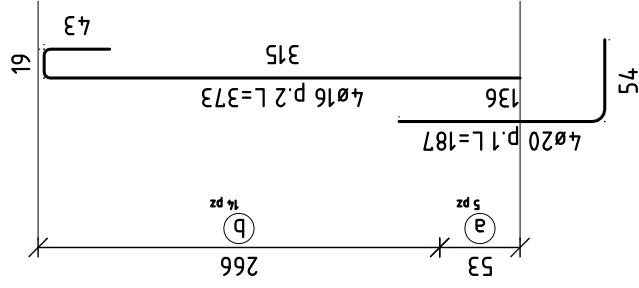
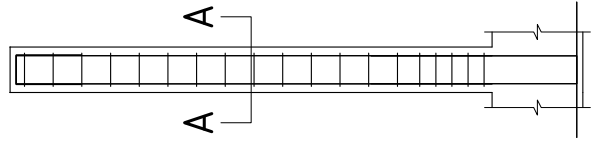
scala 1/50

339

179

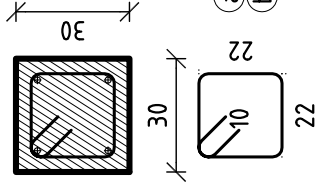
20

-40



## Staffe tra le quote (20;339)

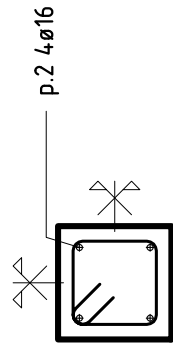
scala 1/20



- a) ø10/11 L=109 (5)
- b) ø10/19 L=109 (14)

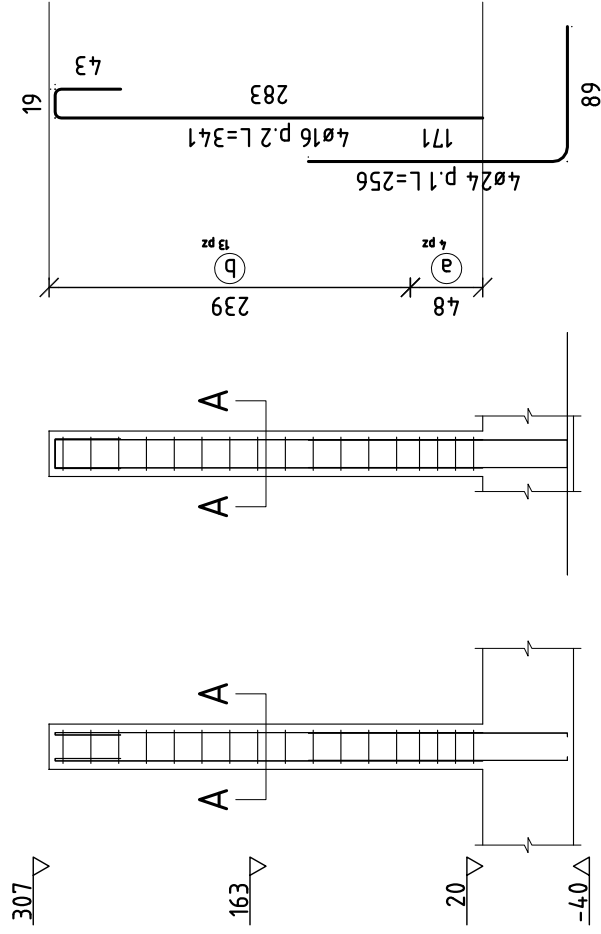
## Sezione A-A

scala 1/20



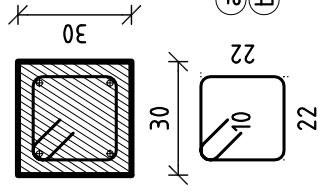
# Pilastrata 50

scala 1/50



## Staffe tra le quote (20;307)

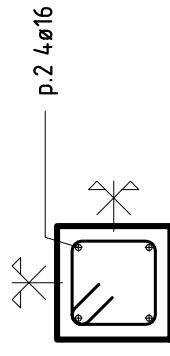
scala 1/20



- a) ø10/12 L=109 (4)
- b) ø10/18 L=109 (13)

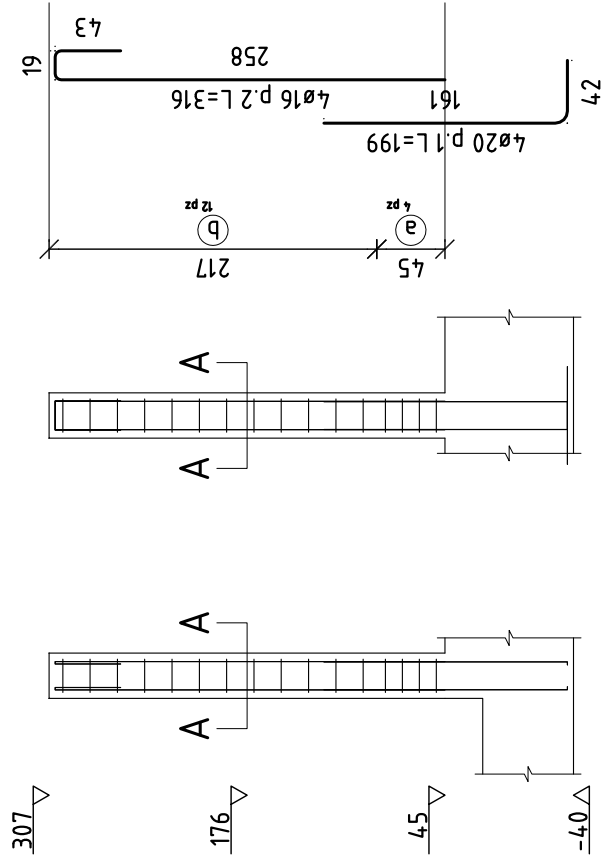
## Sezione A-A

scala 1/20



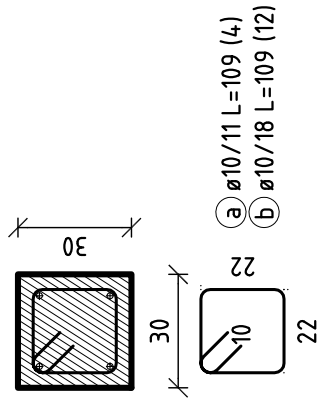
# Pilastrata 58

scala 1/50



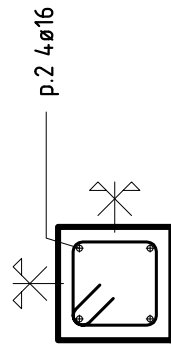
## Staffe tra le quote (45;307)

scala 1/20



## Sezione A-A

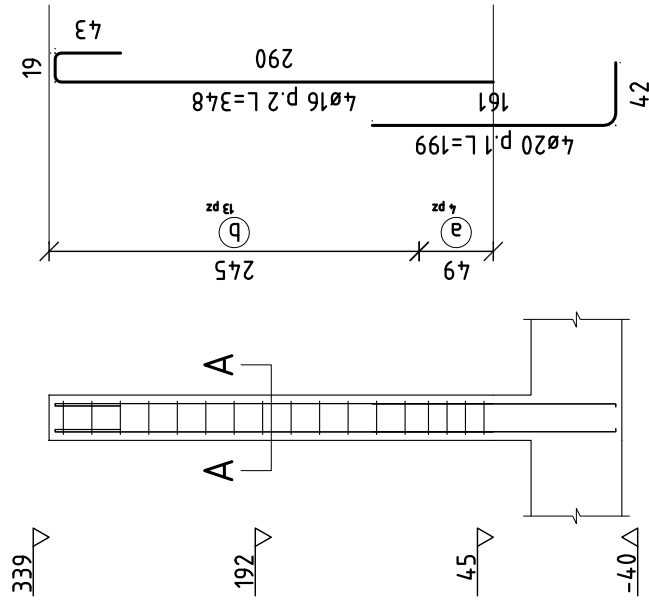
scala 1/20





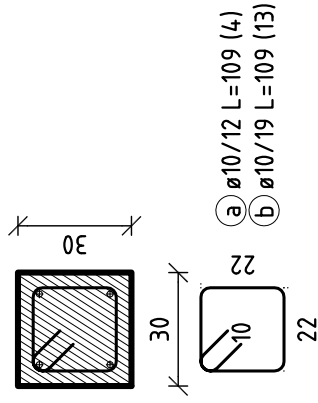
# Pilastrata 59

scala 1/50



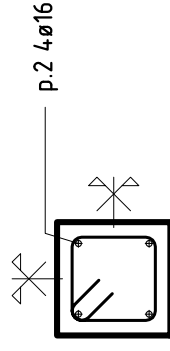
## Staffe fra le quote (45;339)

scala 1/20



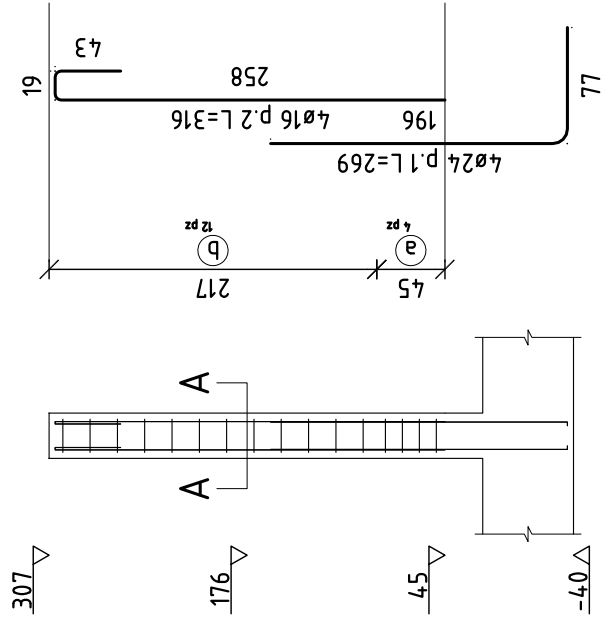
## Sezione A-A

scala 1/20



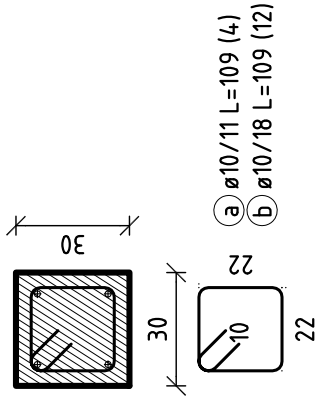
# Pilastrata 60

scala 1/50



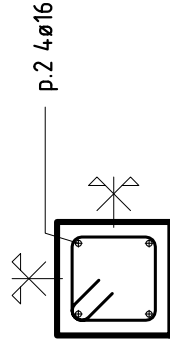
## Staffe tra le quote (45;307)

scala 1/20



## Sezione A-A

scala 1/20



# Pilastrata 69

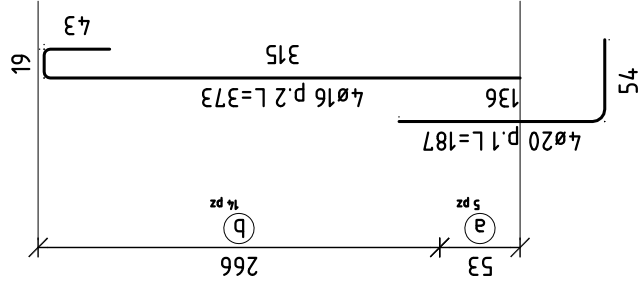
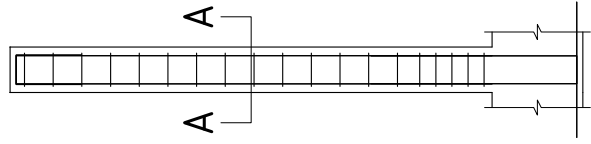
scala 1/50

339

179

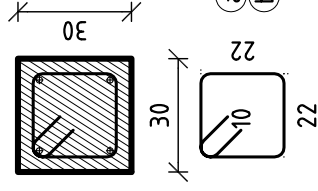
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## Staffe tra le quote (20;339)

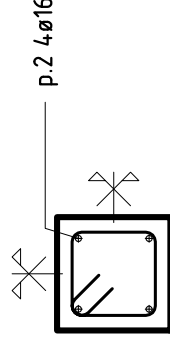
scala 1/20



- a) ø10/11 L=109 (5)
- b) ø10/19 L=109 (14)

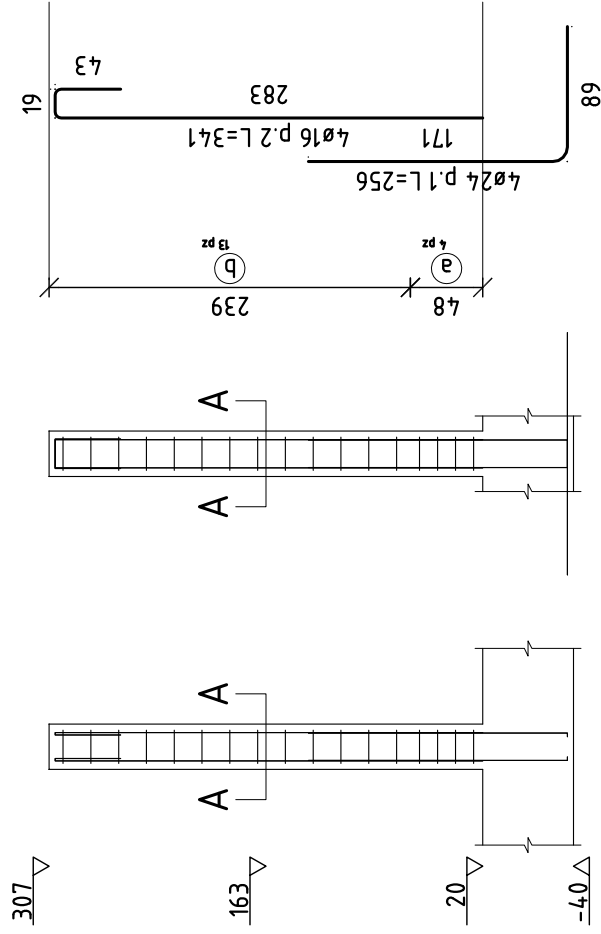
## Sezione A-A

scala 1/20



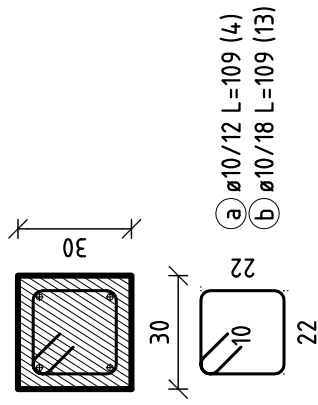
# Pilastrata 70

scala 1/50



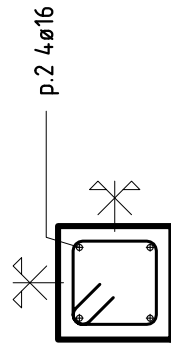
## Staffe tra le quote (20;307)

scala 1/20



## Sezione A-A

scala 1/20



# Pilastrata 75

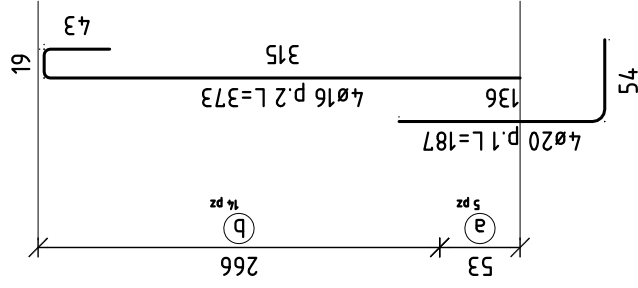
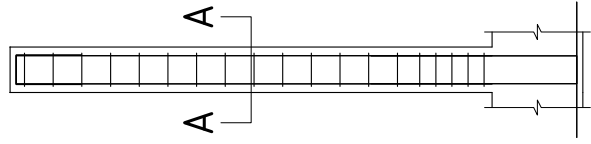
scala 1/50

339

179

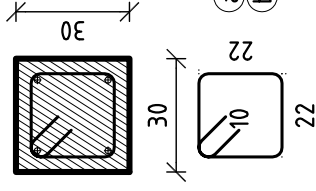
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## Staffe tra le quote (20;339)

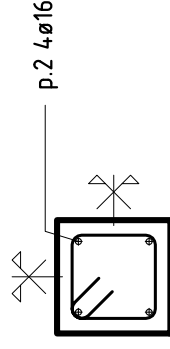
scala 1/20



- a) ø10/11 L=109 (5)
- b) ø10/19 L=109 (14)

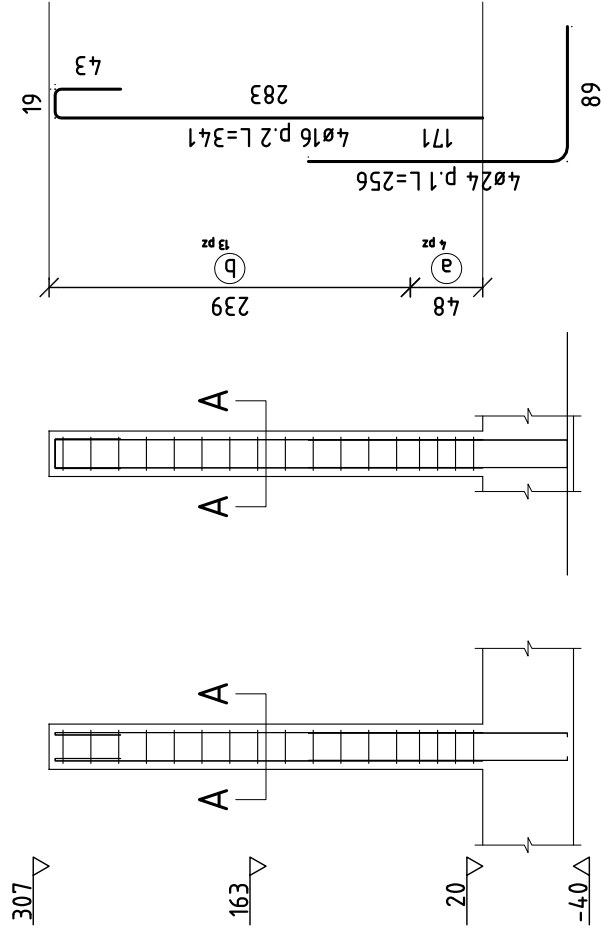
## Sezione A-A

scala 1/20



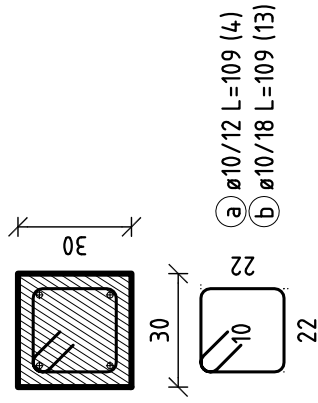
# Pilastrata 76

scala 1/50



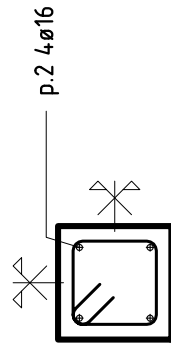
## Staffe tra le quote (20;307)

scala 1/20



## Sezione A-A

scala 1/20



# Pilastrata 81

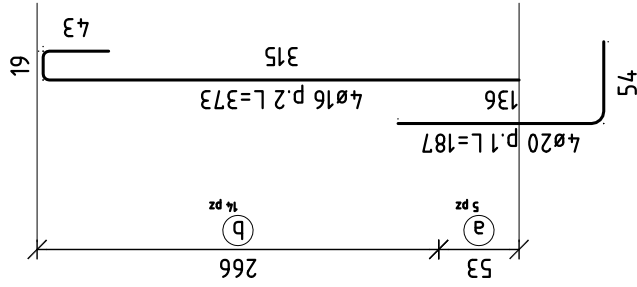
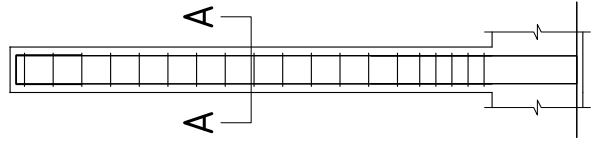
scala 1/50

339

179

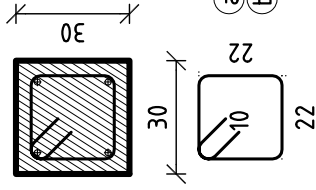
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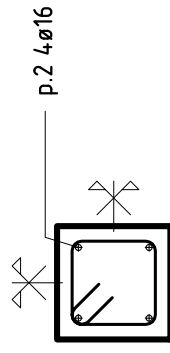
## Staffe tra le quote (20;339)

scala 1/20



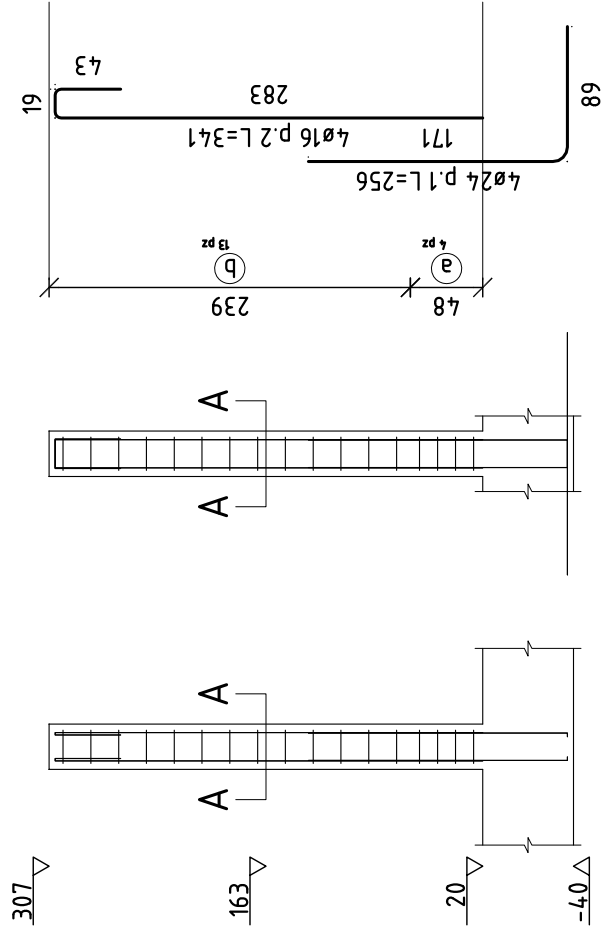
## Sezione A-A

scala 1/20



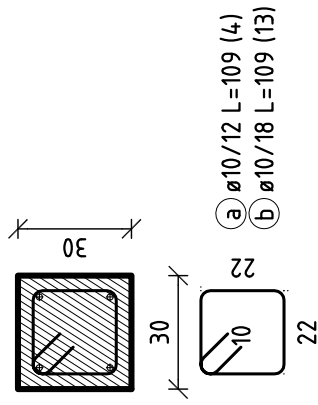
# Pilastrata 82

scala 1/50



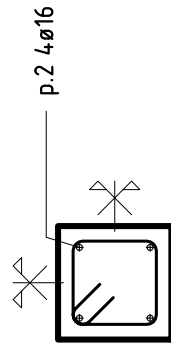
## Staffe tra le quote (20;307)

scala 1/20



## Sezione A-A

scala 1/20





# Pilastrata 87

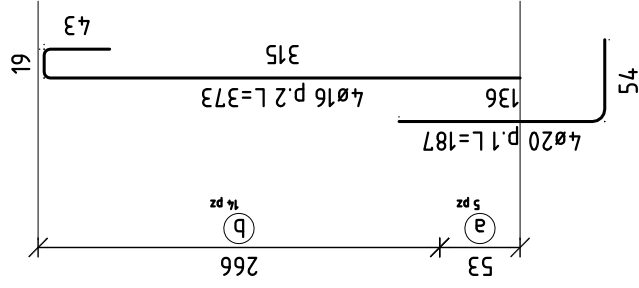
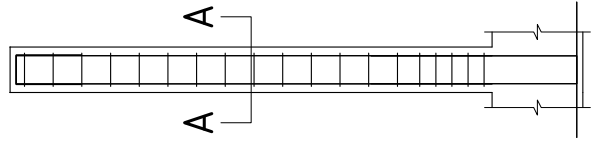
scala 1/50

339

179

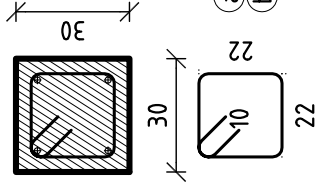
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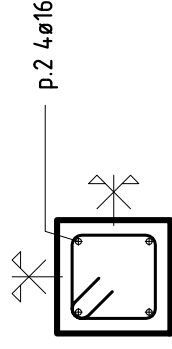
## Staffe tra le quote (20;339)

scala 1/20



## Sezione A-A

scala 1/20



# Pilastrata 88

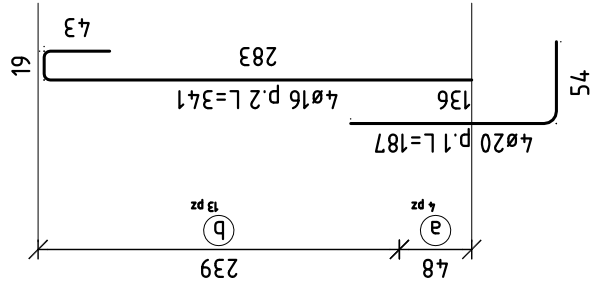
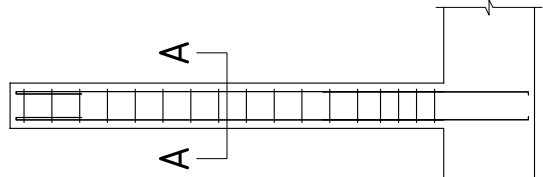
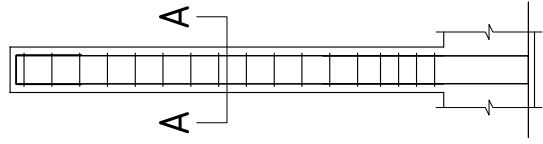
scala 1/50

307

163

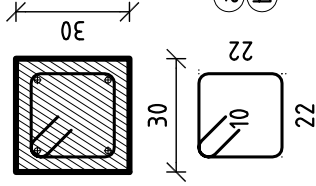
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## Staffe tra le quote (20;307)

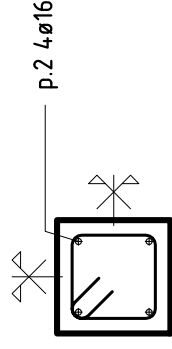
scala 1/20



- a) Ø10/12 L=109 (4)
- b) Ø10/18 L=109 (13)

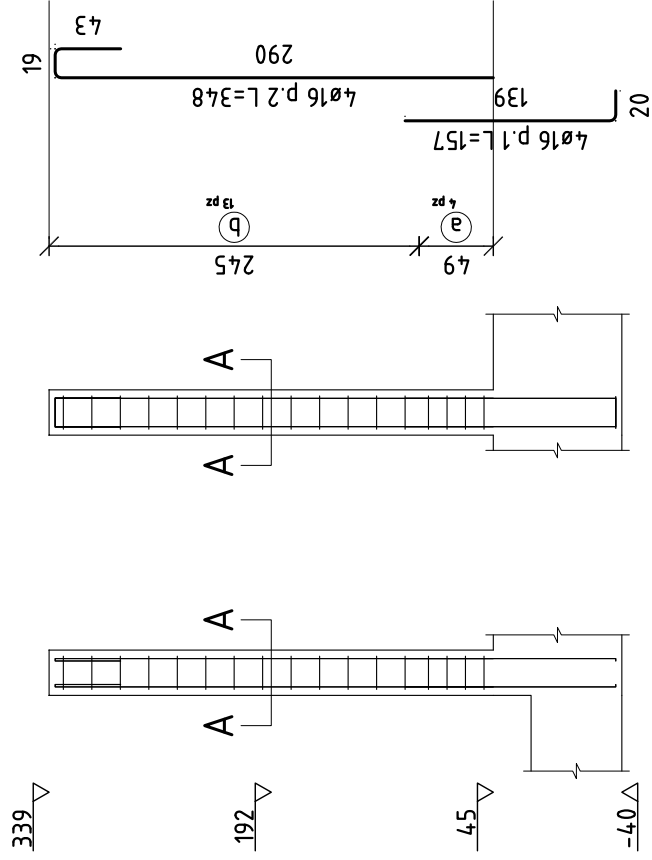
## Sezione A-A

scala 1/20



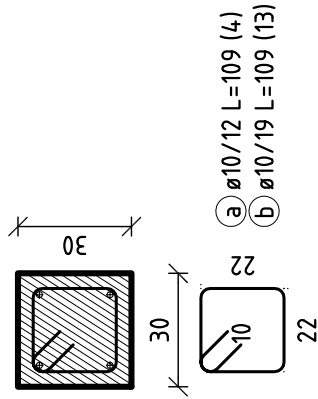
# Pilastrata 93

scala 1/50



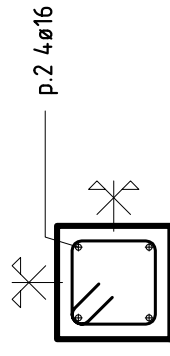
## Staffe tra le quote (45;339)

scala 1/20



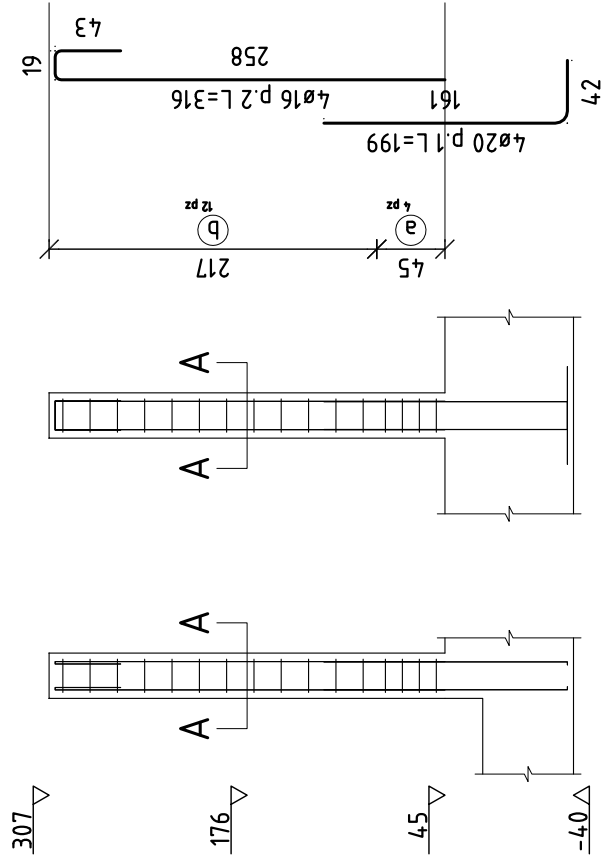
## Sezione A-A

scala 1/20



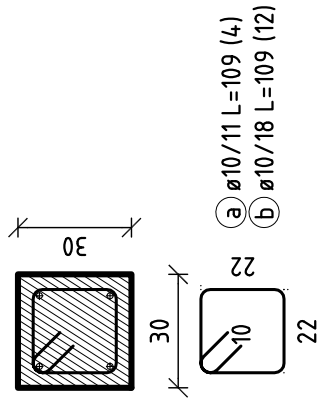
# Pilastrata 94

scala 1/50



## Staffe tra le quote (45;307)

scala 1/20



## Sezione A-A

scala 1/20

