Stazione Appaltante

Regione Siciliana

Comune di S.Stefano di Camastra

Provincia di Messina

Procedura aperta ex art. 183 commi 1-14 d.lgs. 50/2016 s.m.i. per l'affidamento in project financing della concessione di lavori pubblici avente per oggetto la progettazione definitiva ed esecutiva, l'esecuzione dei lavori per la REALIZZAZIONE DEL PORTO TURISTICO E DELLE OPERE CONNESSE NEL COMUNE DI SANTO STEFANO DI CAMASTRA nonché della loro gestione economico-finanziaria

C.I.G.67535662F8 C.U.P.H21H07000030003

PROGETTO DEFINITIVO

Concessionario Individuato

bruno teodoro

Rappresentante legale: Cono Bruno

Via Campidoglio, 70 98076 Sant'Agata di Militello (ME)

Progettista indicato

ACQUA TECNO

Dott. Ing. Paolo Turbolente

Via Ajaccio, 14
00198 Roma

SYMPRAXIS SOCIETÀ D'INGEGNERIA già astorina italia srl

Amministratore Unico:
Prof. Ing. Vincenzo Cataliotti
Direttori tecnici:
Arch. Sebastiano Provenzano
Prof. Ing. Antonio Cataliotti
Via Vittorio Emanuele, 492
90134 Palermo

Titolo elaborato

BUNKERAGGIO

- CARPENTERIE
- ESECUTIVI DI CANTIERE

Elaborato

PD | EG

16.4 - BUN

Scala

Data: Giugno 2017

Comune di SANTO STEFANO DI CAMASTRA

Provincia di MESSINA

ESECUTIVI DI CANTIERE

Fond.

Oggetto: Calcolo delle strutture in c.a. perla realizzazione dei serbatoi di bunkeraggio a servizio del portoturistico

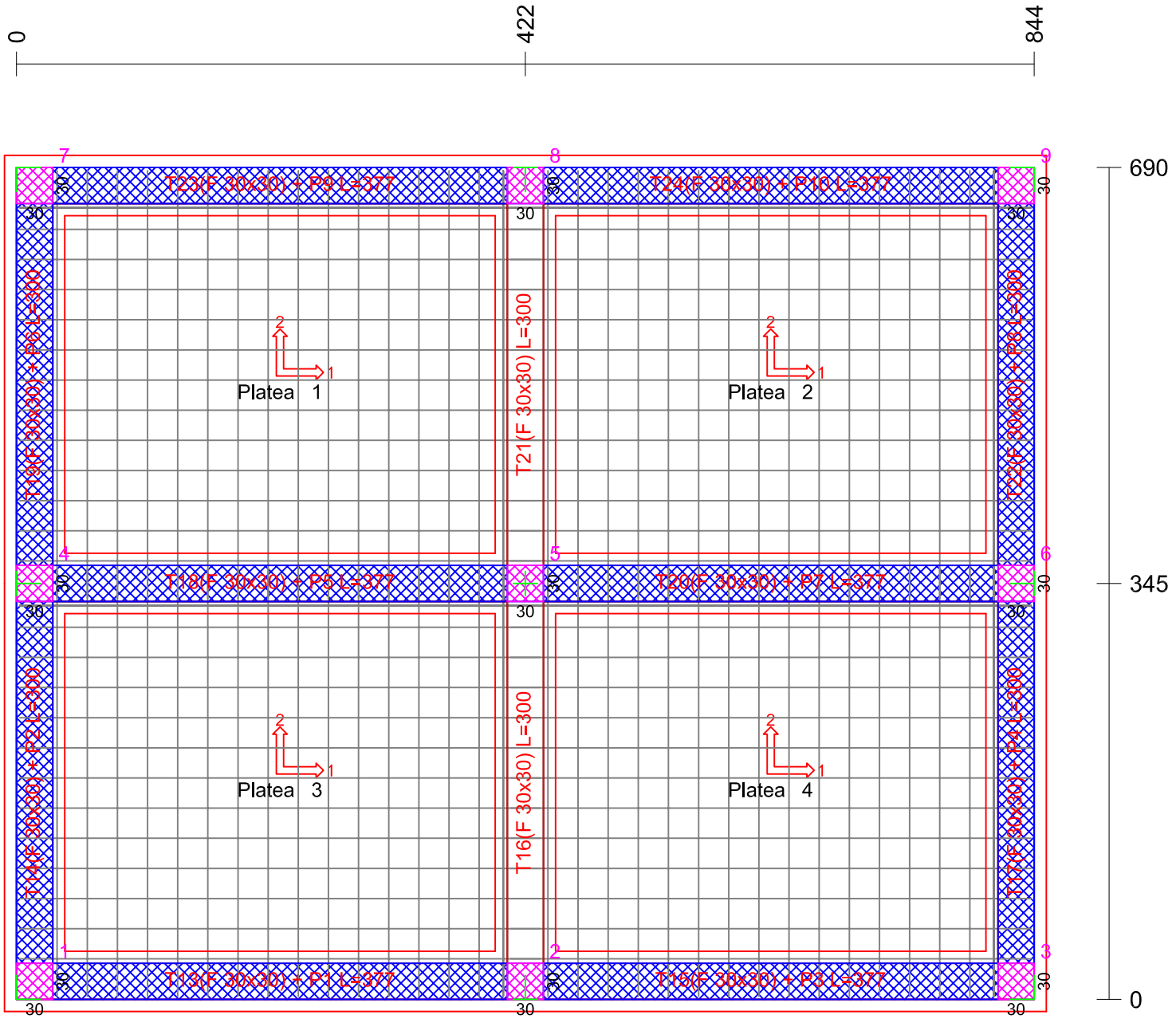
Ditta: COSTRUZIONI BRUNO S.P.A.

Data: 20/04/2017

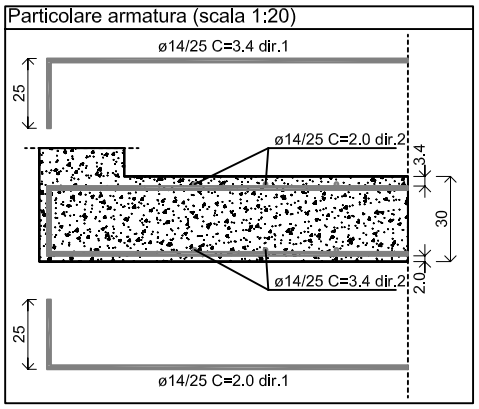
Materiali

CLS
C25/30
ACCIAIO LONGITUDINALI
B450C
ACCIAIO STAFFE
B450C

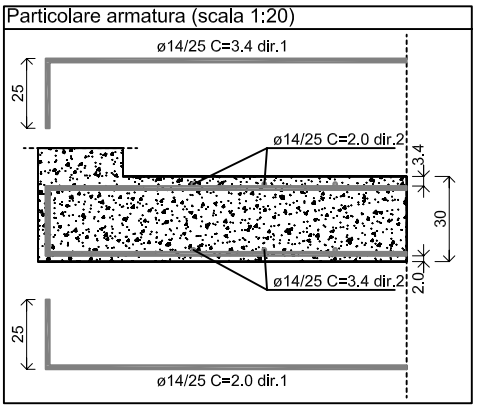
Carpenteria Fond. (Scala 1:50)



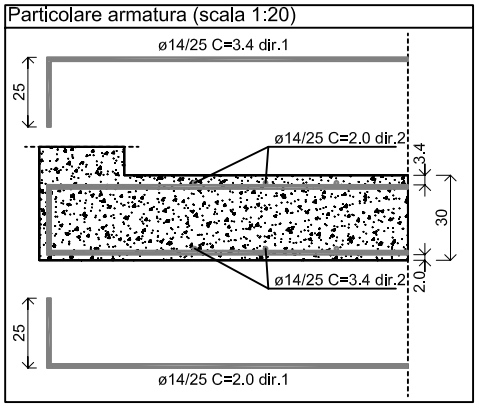
Platea 1



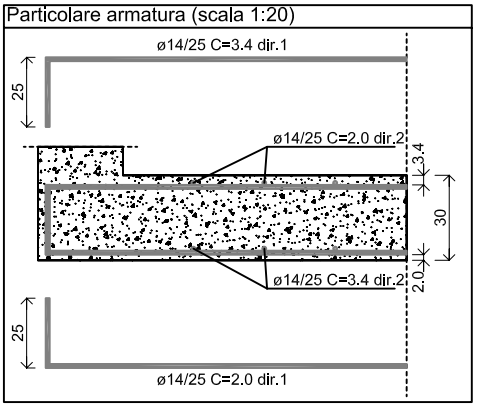
Platea 2



Platea 3



Platea 4



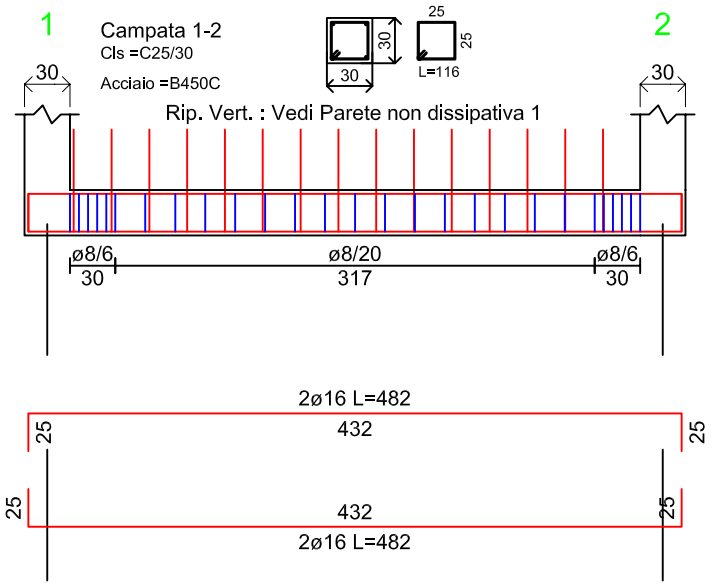
Platea 1												
Armatura a flessione												
Regione	Direzione 1						Direzione 2					
			Estradosso		Intradosso				Estradosso		Intradosso	
	ø[mm]	L[cm]	Cop[cm]	Passo[cm]	Cop[cm]	Passo[cm]	ø[mm]	L[cm]	Cop[cm]	Passo[cm]	Cop[cm]	Passo[cm]
Platea	14	480	3.4	25	2.0	25	14	403	2.0	25	3.4	25

Platea 2												
Armatura a flessione												
Regione	DIrezIone 1						DIrezIone 2					
			Estradosso		Intradosso				Estradosso		Intradosso	
	ø[mm]	L[cm]	Cop[cm]	Passo[cm]	Cop[cm]	Passo[cm]	ø[mm]	L[cm]	Cop[cm]	Passo[cm]	Cop[cm]	Passo[cm]
Platea	14	480	3.4	25	2.0	25	14	403	2.0	25	3.4	25

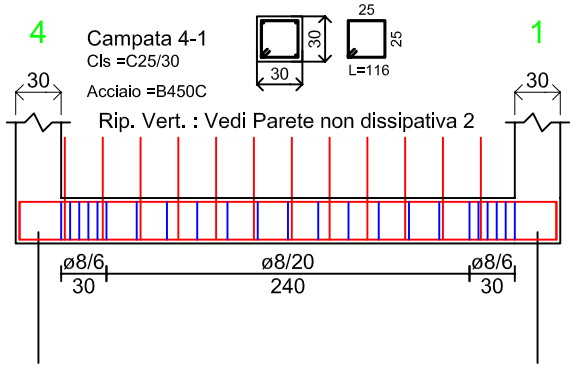
Platea 3												
Armatura a flessione												
Regione	Direzione 1						Direzione 2					
			Estradosso		Intradosso				Estradosso		Intradosso	
	ø[mm]	L[cm]	Cop[cm]	Passo[cm]	Cop[cm]	Passo[cm]	ø[mm]	L[cm]	Cop[cm]	Passo[cm]	Cop[cm]	Passo[cm]
Platea	14	480	3.4	25	2.0	25	14	403	2.0	25	3.4	25

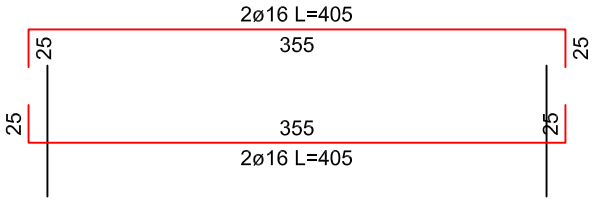
Platea 4												
Armatura a flessione												
Regione	Direzione 1						Direzione 2					
			Estradosso		Intradosso				Estradosso		Intradosso	
	ø[mm]	L[cm]	Cop[cm]	Passo[cm]	Cop[cm]	Passo[cm]	ø[mm]	L[cm]	Cop[cm]	Passo[cm]	Cop[cm]	Passo[cm]
Platea	14	480	3.4	25	2.0	25	14	403	2.0	25	3.4	25

Travata 1 Fond.



Travata 2 Fond.





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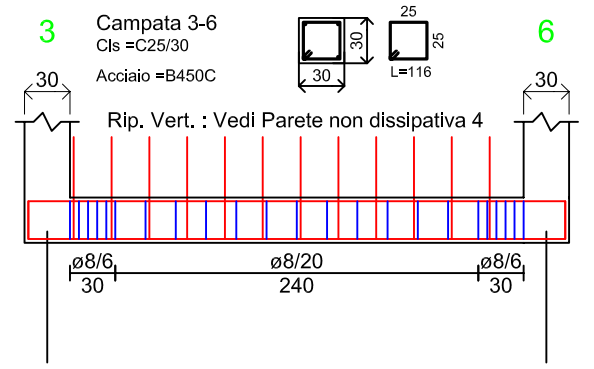

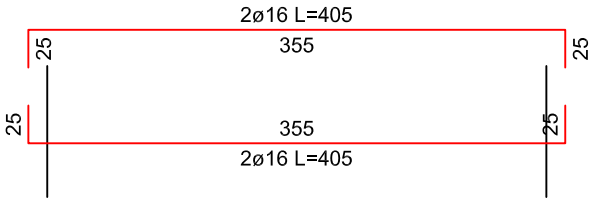

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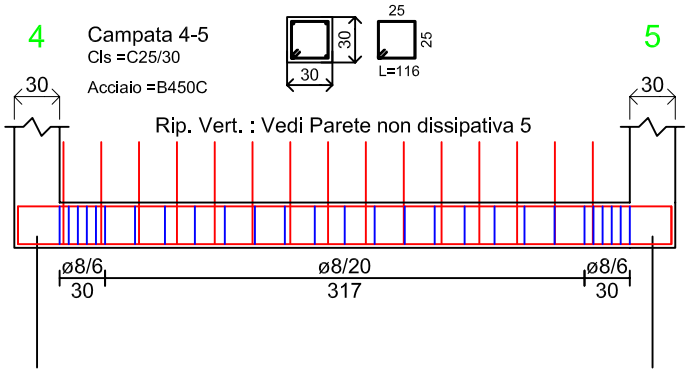
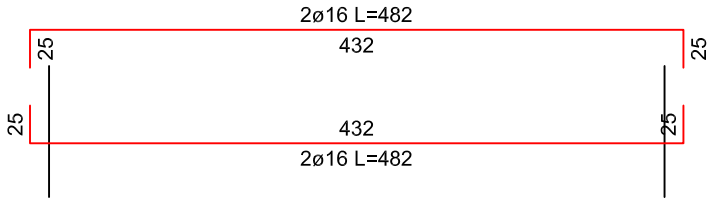
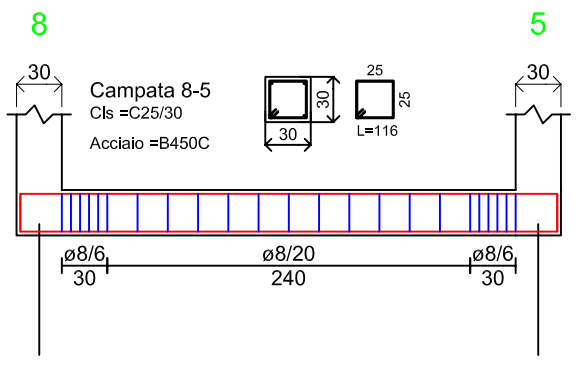
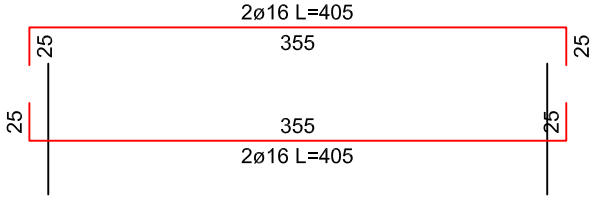




Travata 9 Fond.





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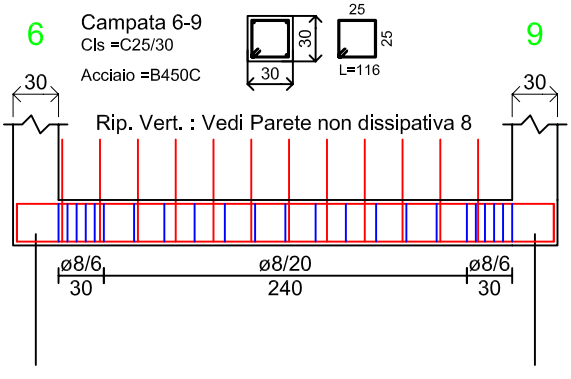

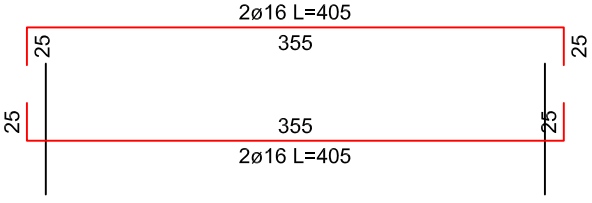

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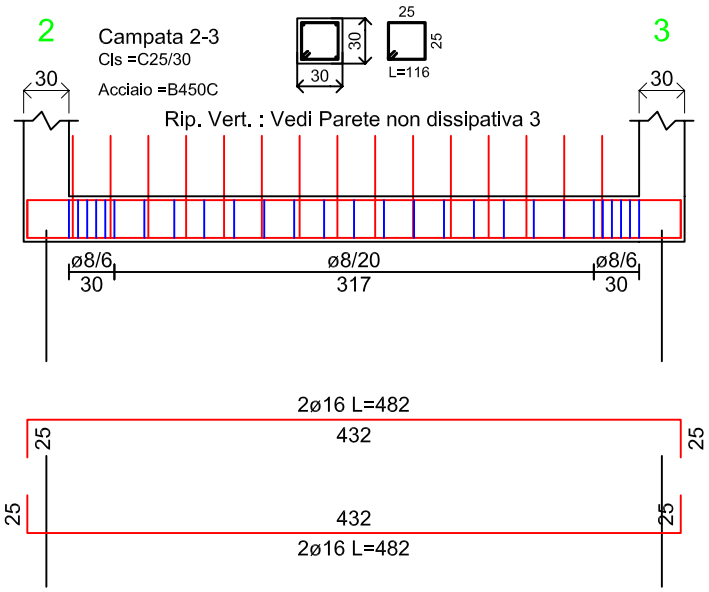

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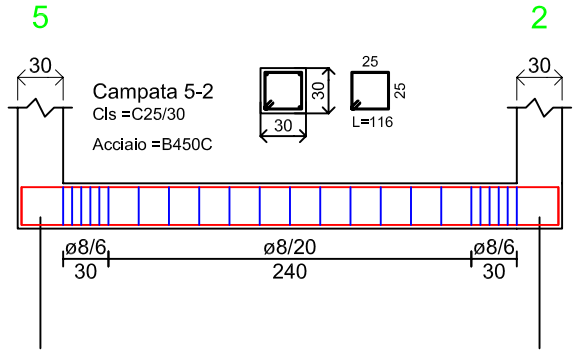

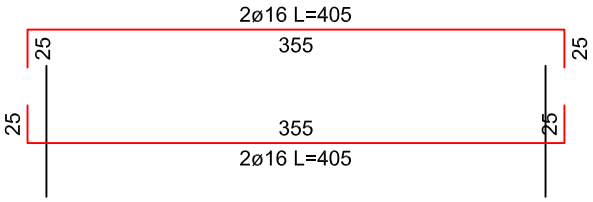

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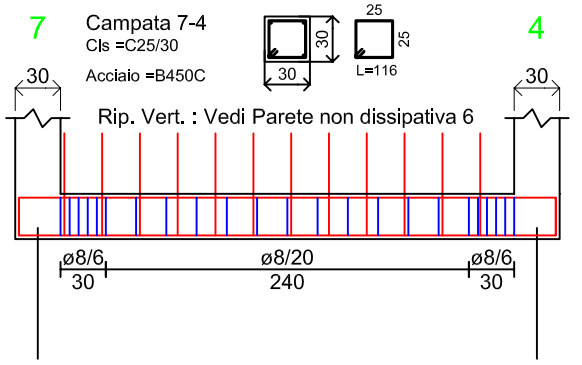
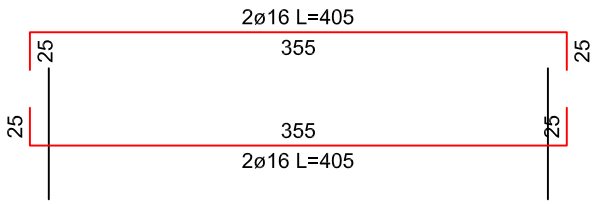
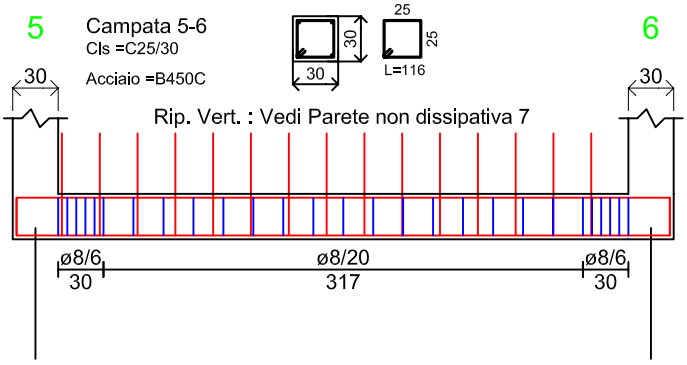
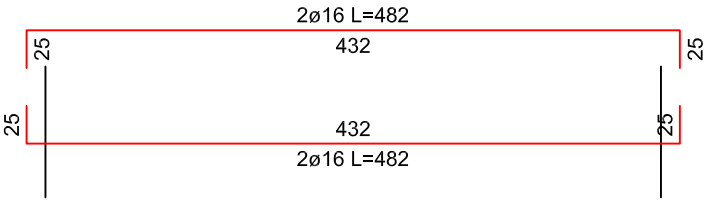




Travata 8 Fond.





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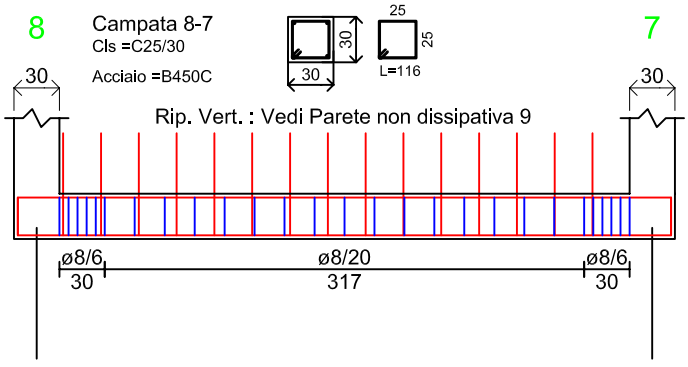

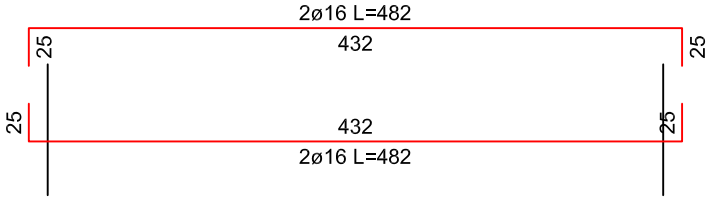

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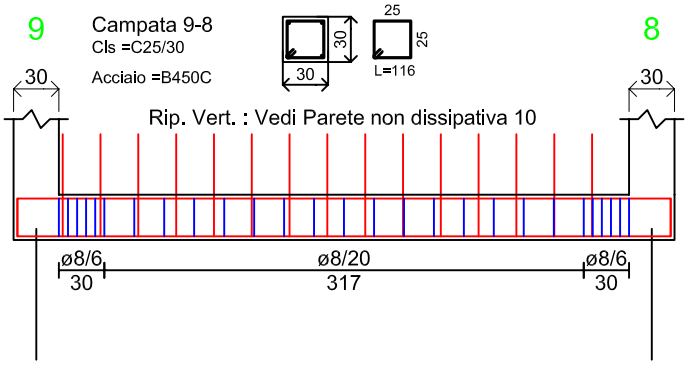
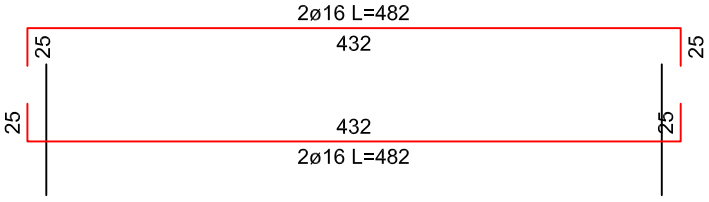




Comune di SANTO STEFANO DI CAMASTRA

Provincia di MESSINA

ESECUTIVI DI CANTIERE

Piano 1

Oggetto: Calcolo delle strutture in c.a. perla realizzazione dei serbatoi di bunkeraggio a servizio del portoturistico

Ditta: COSTRUZIONI BRUNO S.P.A.

Data: 20/04/2017

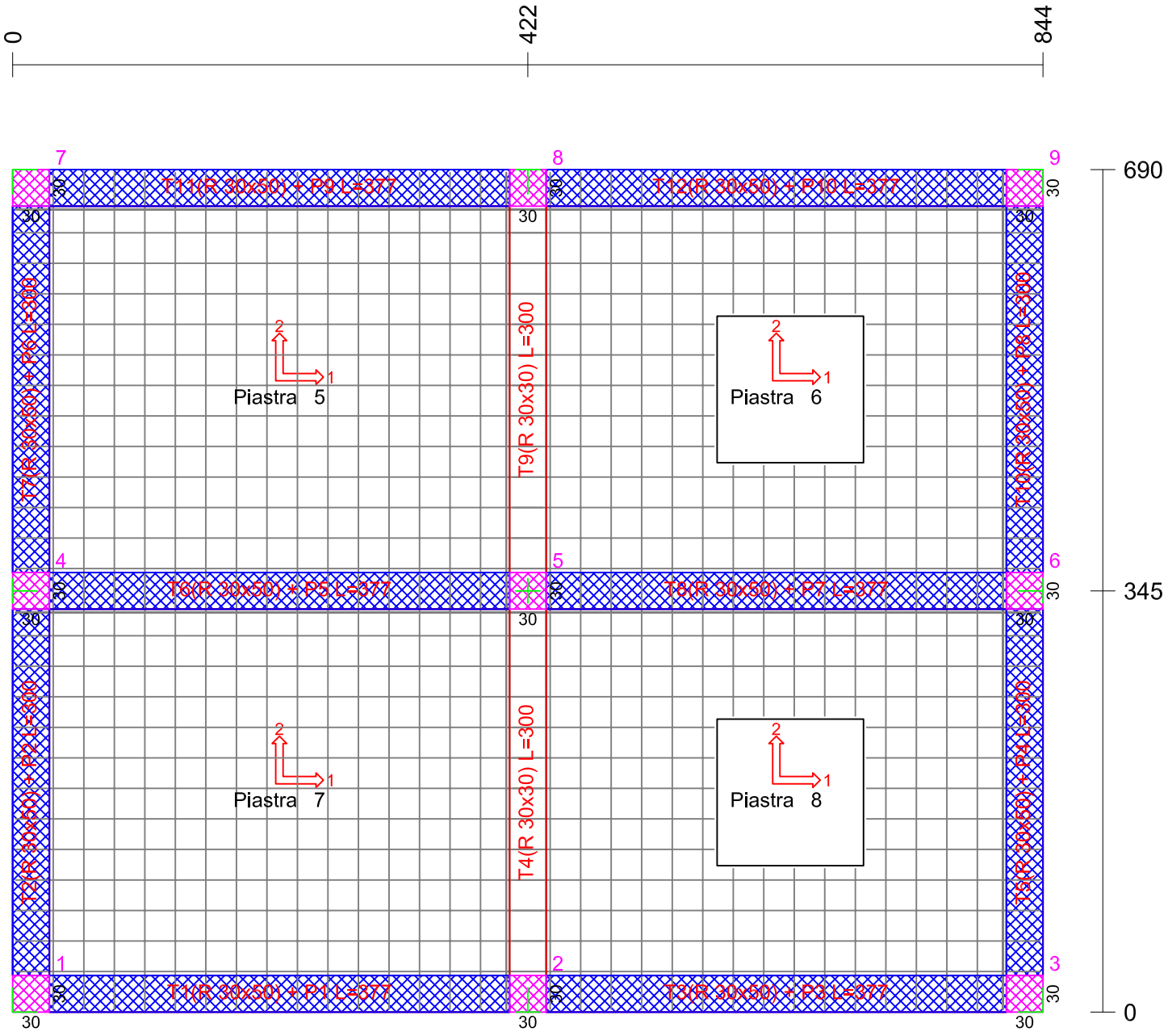
Materiali

CLS
- C25/30

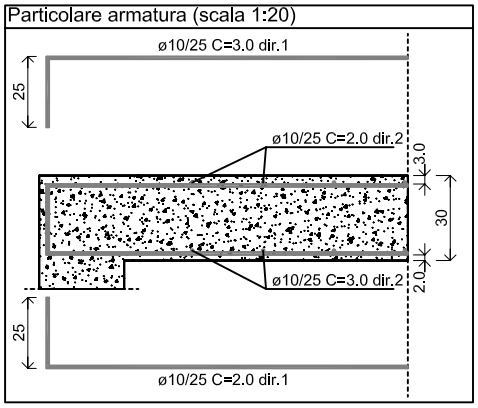
ACCIAIO LONGITUDINALI
- B450C

ACCIAIO STAFFE
- B450C

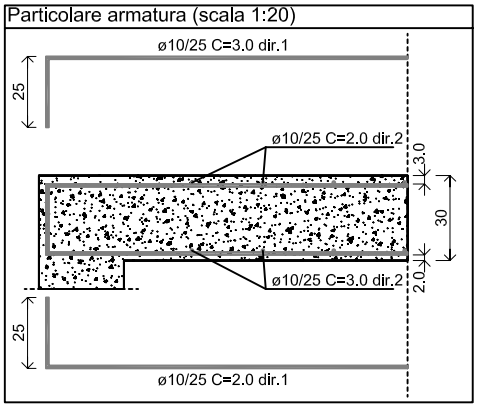
Carpenteria Piano 1 (Scala 1:50)



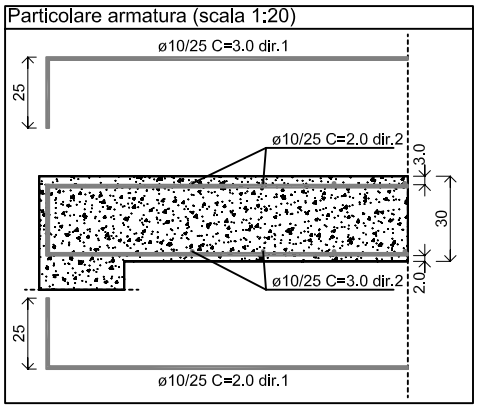
Piastra 5



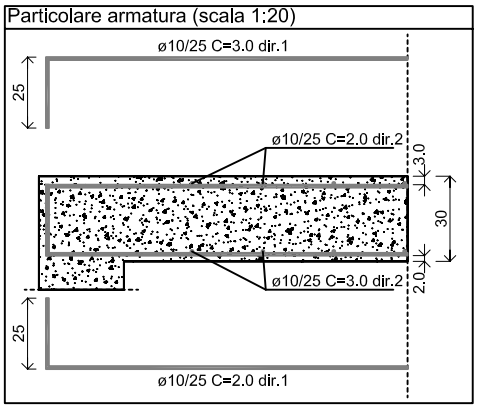
Piastra 6



Piastra 7



Piastra 8



Piastra 5												
Armatura a flessione												
Regione	Direzione 1						Direzione 2					
			Estradosso		Intradosso				Estradosso		Intradosso	
	ø[mm]	L[cm]	Cop[cm]	Passo[cm]	Cop[cm]	Passo[cm]	ø[mm]	L[cm]	Cop[cm]	Passo[cm]	Cop[cm]	Passo[cm]
Piastra	10	482	3.0	25	2.0	25	10	405	2.0	25	3.0	25

Piastra 6												
Armatura a flessione												
Regione	Direzione 1						Direzione 2					
			Estradosso		Intradosso				Estradosso		Intradosso	
	ø[mm]	L[cm]	Cop[cm]	Passo[cm]	Cop[cm]	Passo[cm]	ø[mm]	L[cm]	Cop[cm]	Passo[cm]	Cop[cm]	Passo[cm]
Piastra	10	482	3.0	25	2.0	25	10	405	2.0	25	3.0	25

Piastra 7												
Armatura a flessione												
Regione	Direzione 1						Direzione 2					
			Estradosso		Intradosso				Estradosso		Intradosso	
	ø[mm]	L[cm]	Cop[cm]	Passo[cm]	Cop[cm]	Passo[cm]	ø[mm]	L[cm]	Cop[cm]	Passo[cm]	Cop[cm]	Passo[cm]
Piastra	10	482	3.0	25	2.0	25	10	405	2.0	25	3.0	25

Piastra 8												
Armatura a flessione												
Regione	Direzione 1						Direzione 2					
			Estradosso		Intradosso				Estradosso		Intradosso	
	ø[mm]	L[cm]	Cop[cm]	Passo[cm]	Cop[cm]	Passo[cm]	ø[mm]	L[cm]	Cop[cm]	Passo[cm]	Cop[cm]	Passo[cm]
Piastra	10	482	3.0	25	2.0	25	10	405	2.0	25	3.0	25

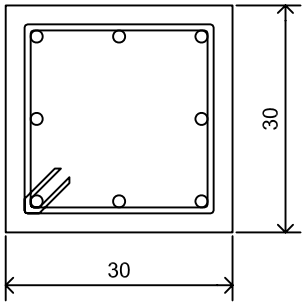
PILASTRI: 1-2-3-4-6-7-8-9
(fili)

Piano 1

Materiali	STAFFE	STAFFE TIPO
Cls =C25/30 Acciaio =B450C	ø 8/12 cm Da Q= 0 a Q= 48 ø 8/19 cm Da Q= 48 a Q= 242 ø 8/12 cm Da Q= 242 a Q= 290 ø 8/12 cm Da Q= 290 a Q= 340	1 ø 8 (25x 25 L= 116)

PIEDE (Q=0)

Diritti: O 8ø16



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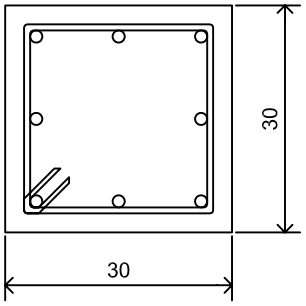
TESTA (Q=340)

Diritti: O 8ø16



Scala 1:10

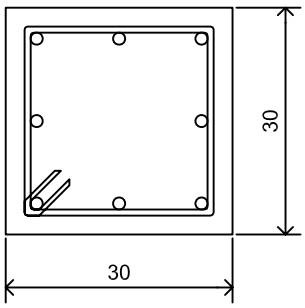
PILASTRO: 5
(filo)

Piano 1

Materiali	STAFFE	STAFFE TIPO
Cls =C25/30 Acciaio =B450C	ø 8/12 cm Da Q= 0 a Q= 48 ø 8/19 cm Da Q= 48 a Q= 242 ø 8/12 cm Da Q= 242 a Q= 340	1 ø 8 (25x 25 L= 116)

PIEDE (Q=0)

Diritti: O 8ø16



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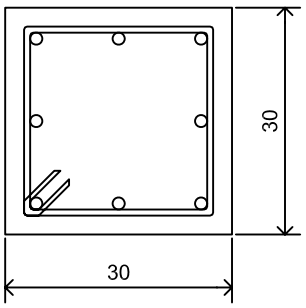
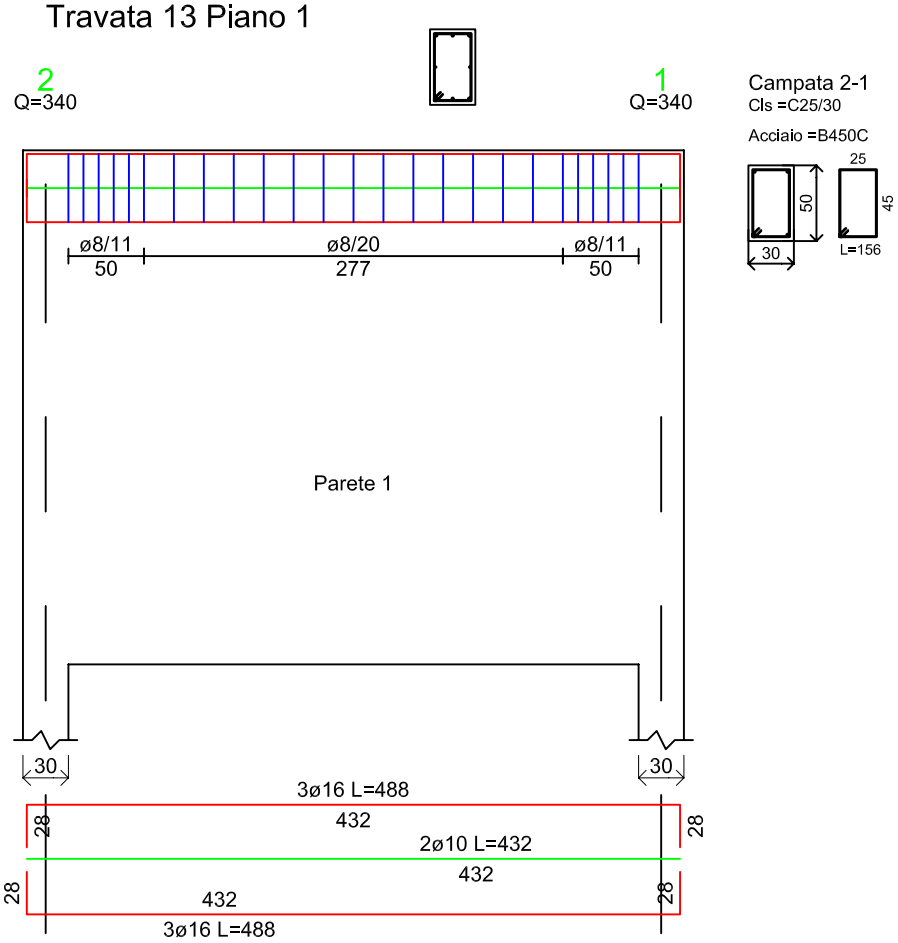
TESTA (Q=340)

Diritti: O 8ø16



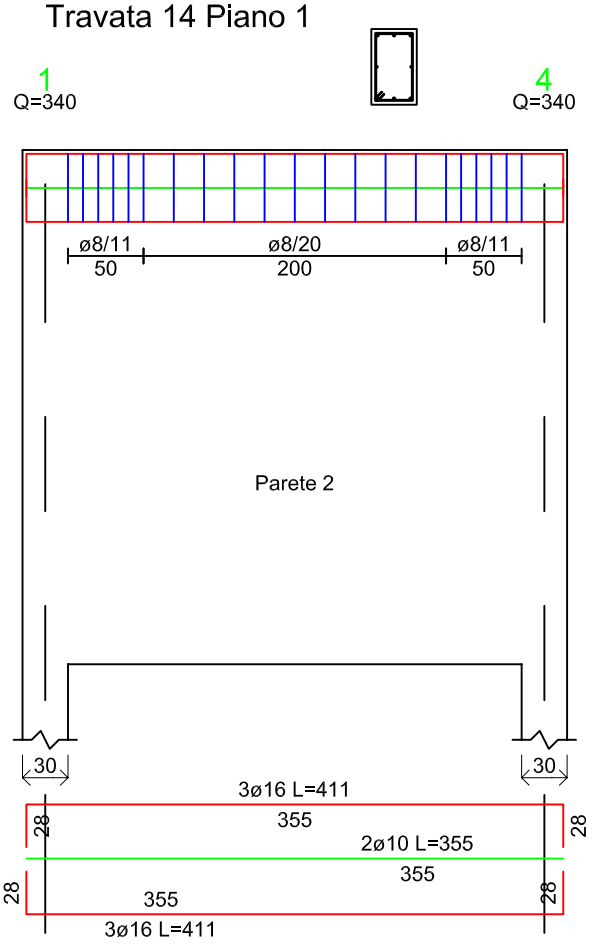
Scala 1:10

Travata 13 Piano 1

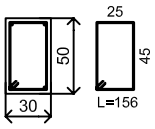


Campata 2-1
Cls =C25/30
Acciaio =B450C

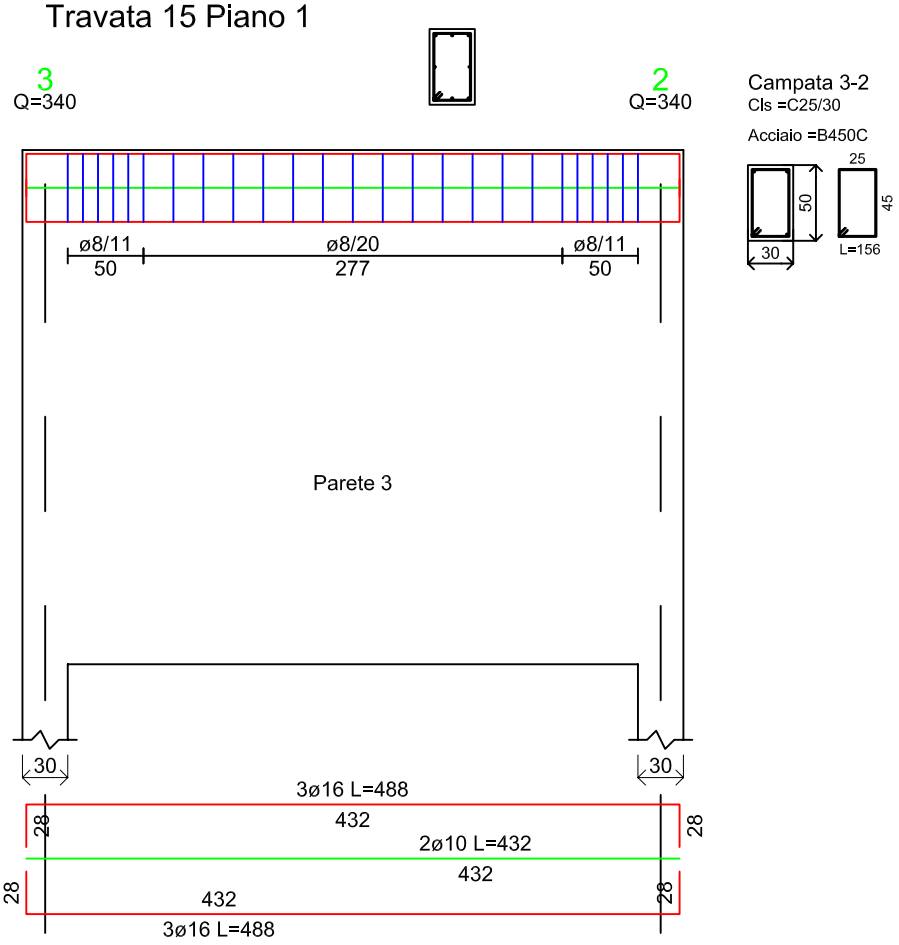
Travata 14 Piano 1



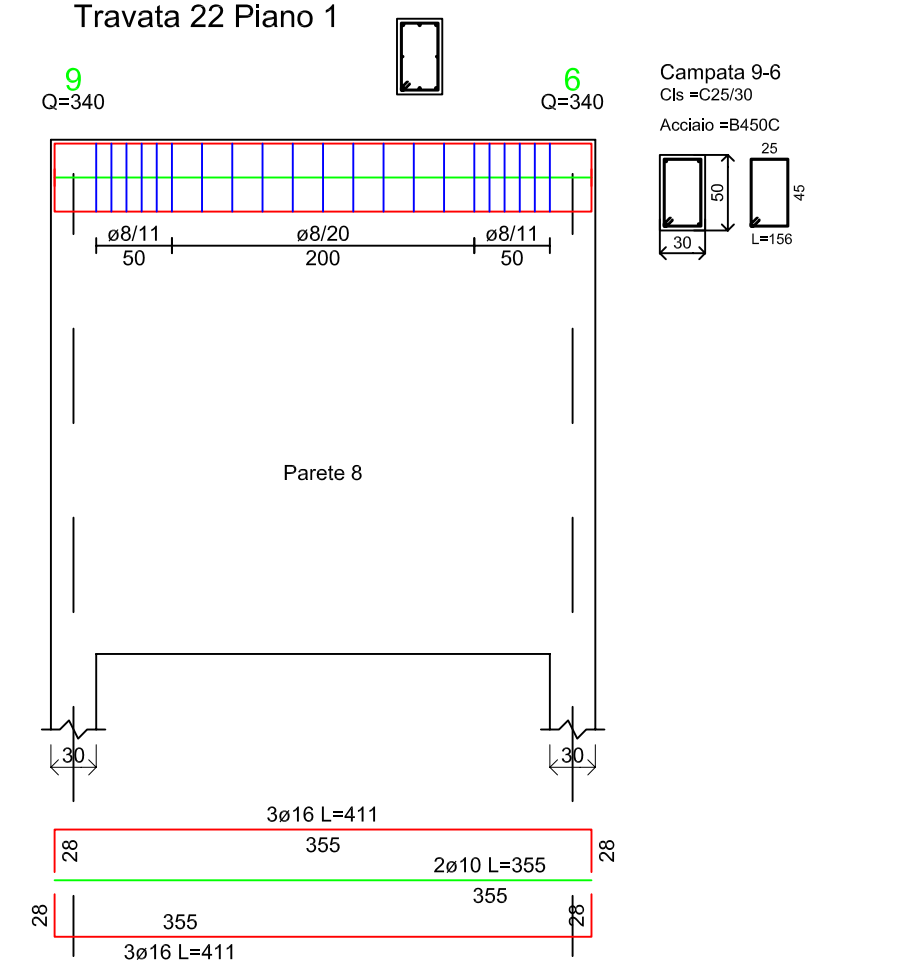
Campata 1-4
Cls =C25/30
Acciaio =B450C



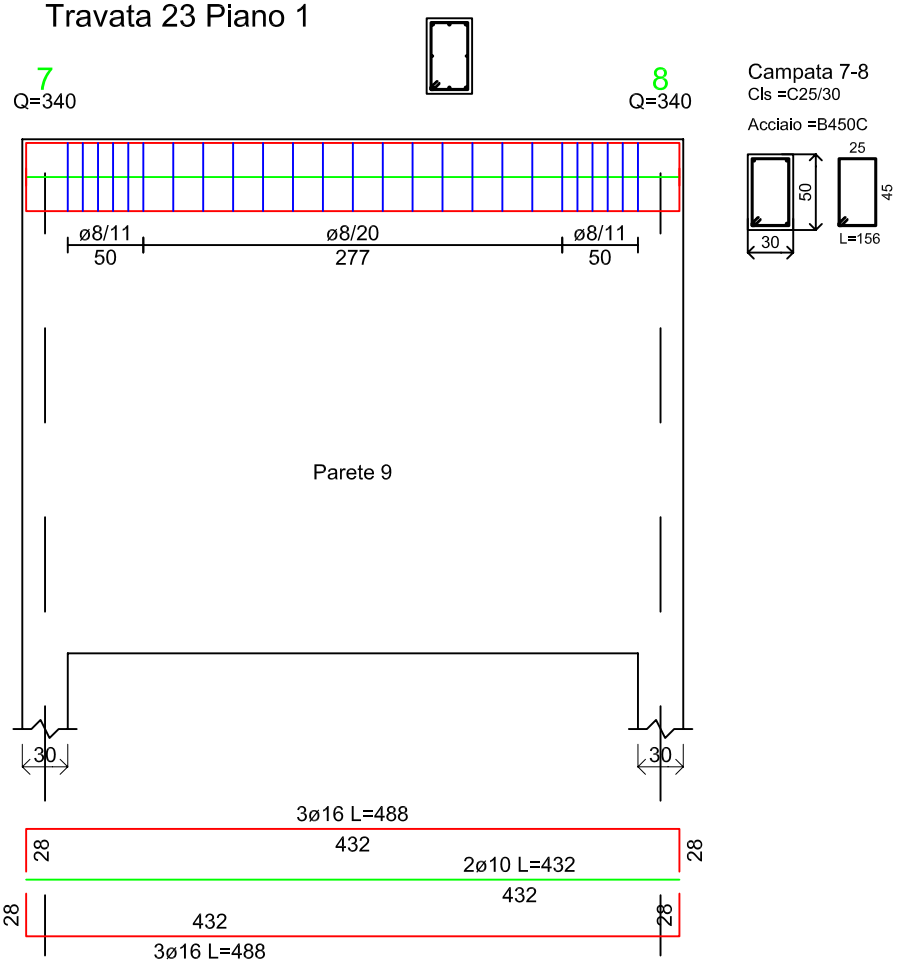
Travata 15 Piano 1



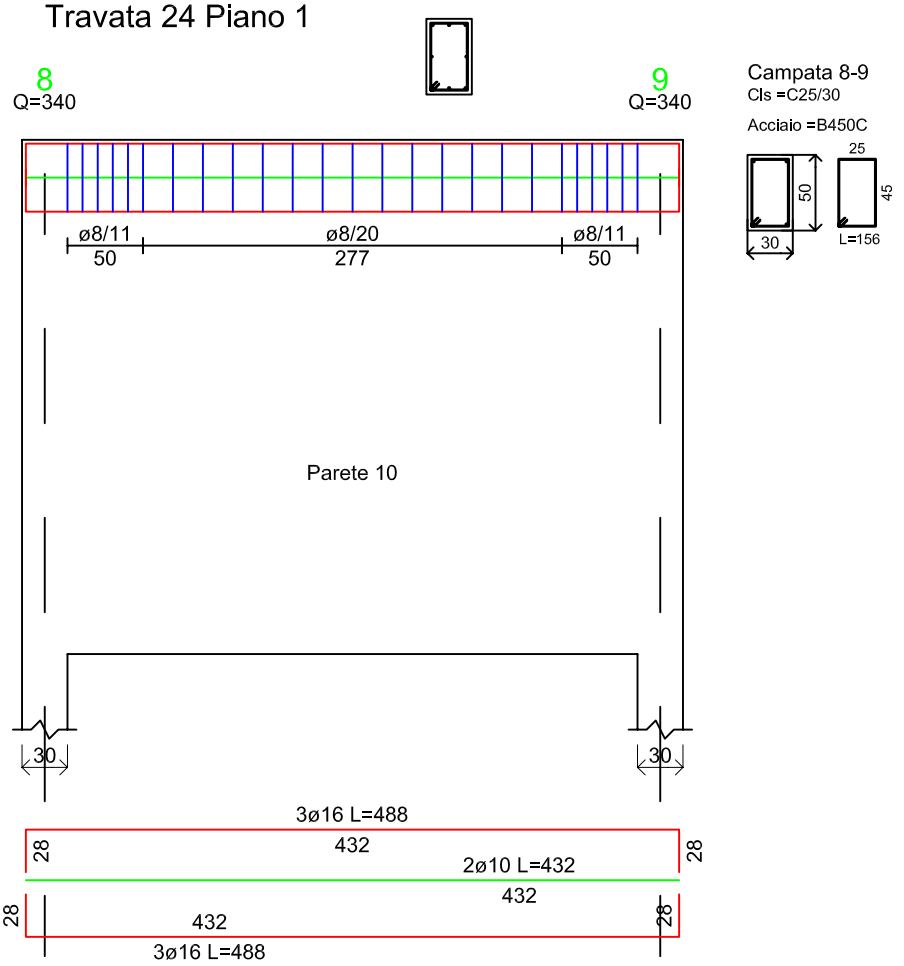
Travata 22 Piano 1



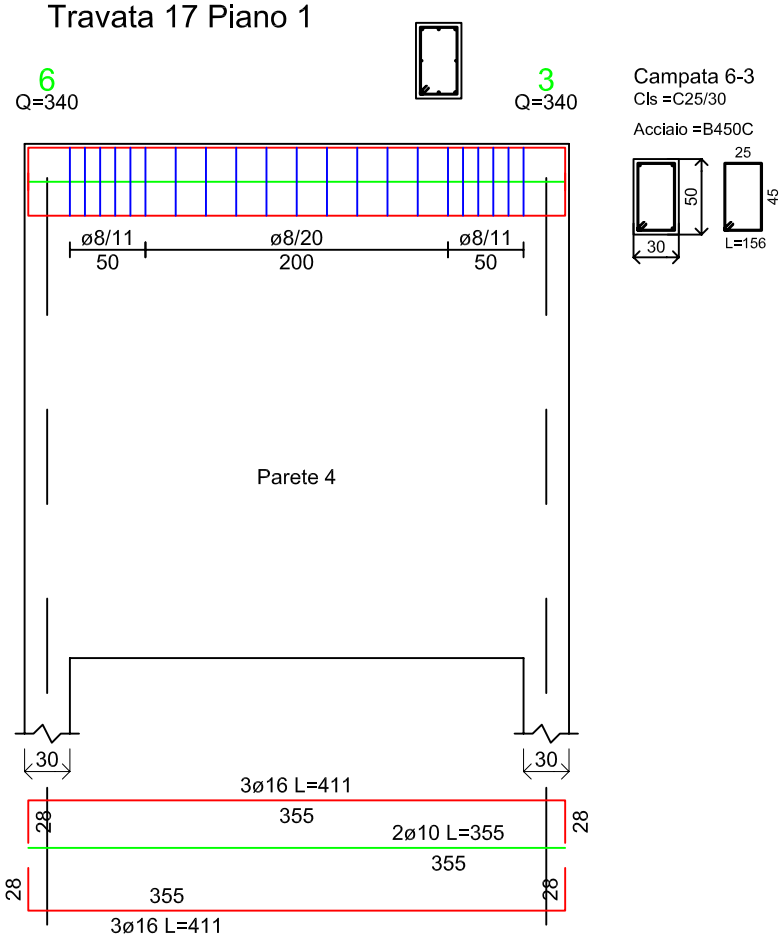
Travata 23 Piano 1



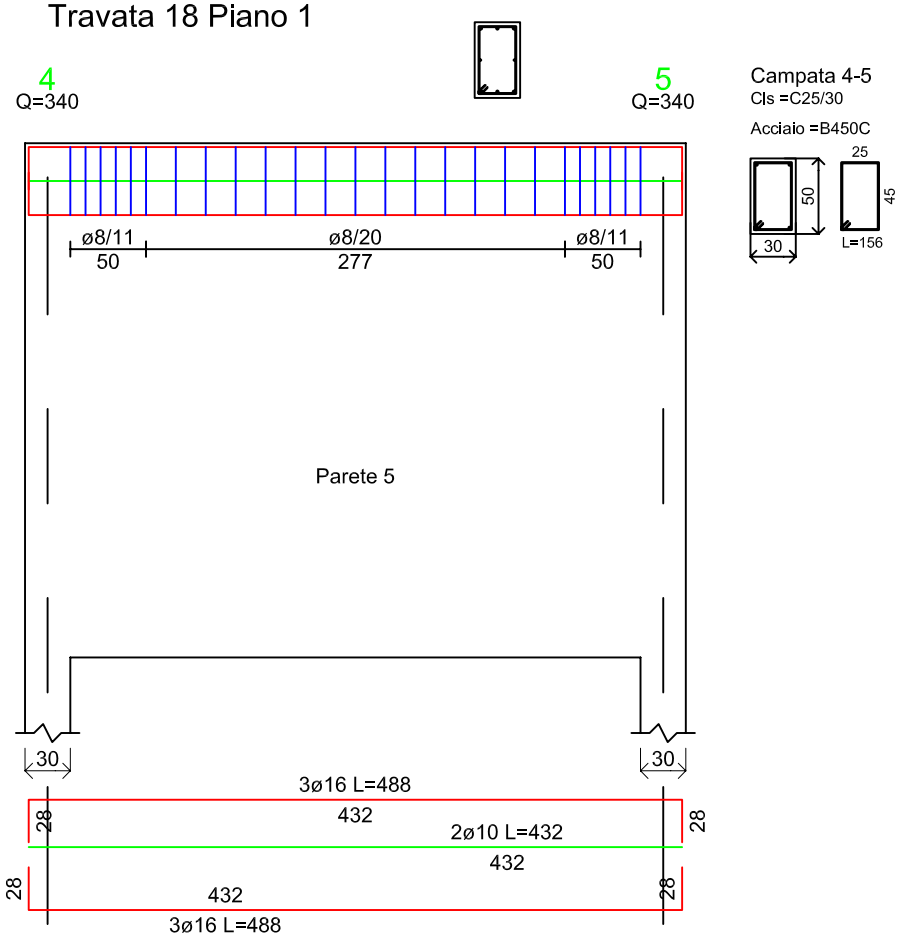
Travata 24 Piano 1



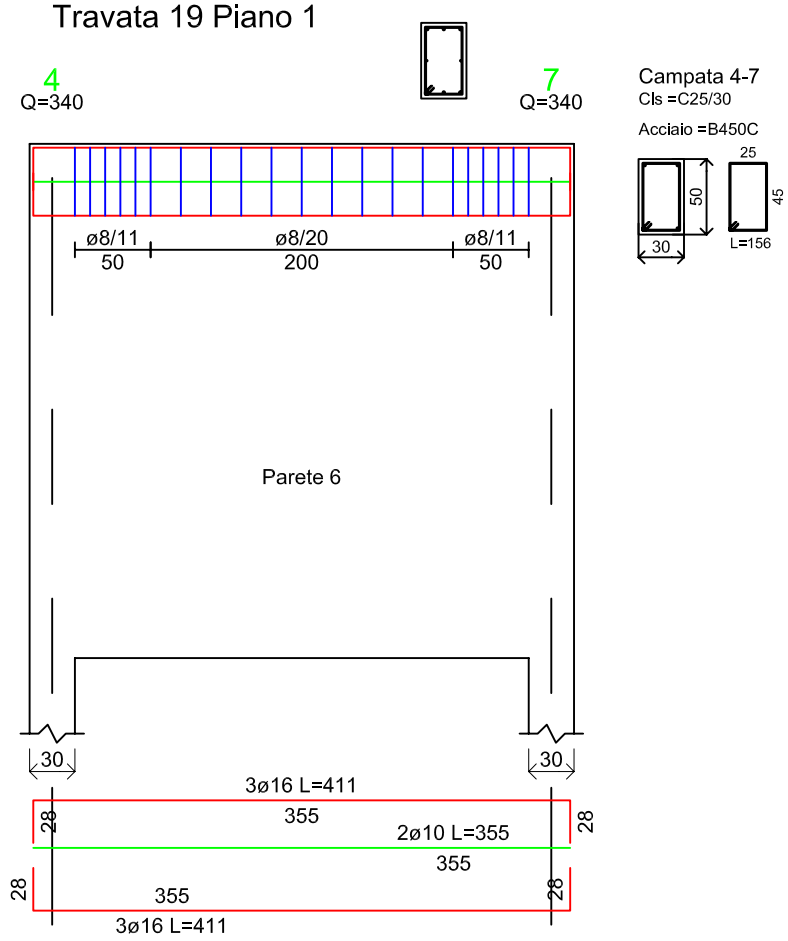
Travata 17 Piano 1



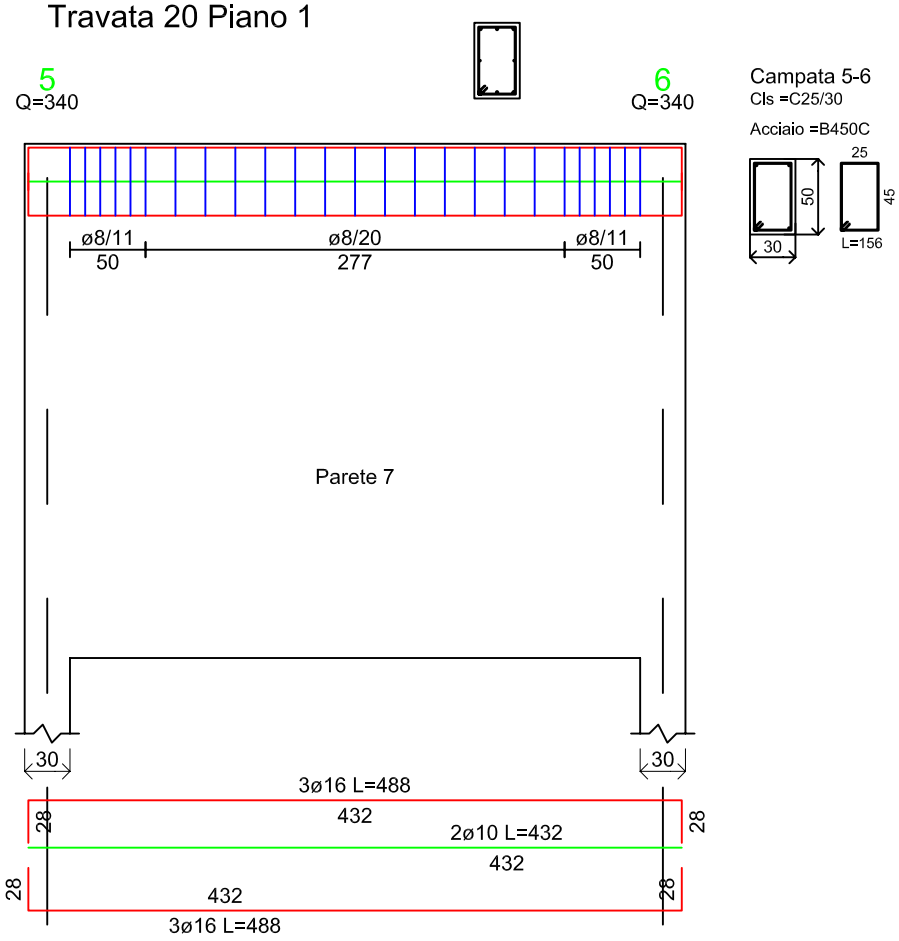
Travata 18 Piano 1



Travata 19 Piano 1



Travata 20 Piano 1

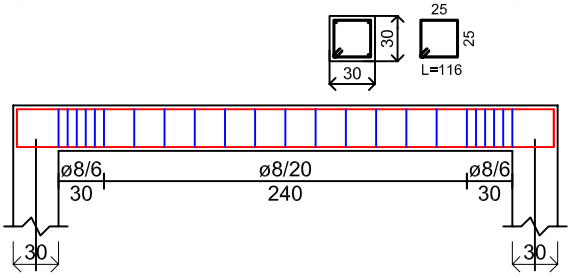


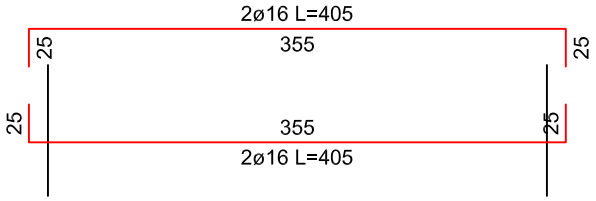
Travata 21 Piano 1

Campata 8-5
Cls =C25/30
Acciaio =B450C

8
Q=340

5
Q=340



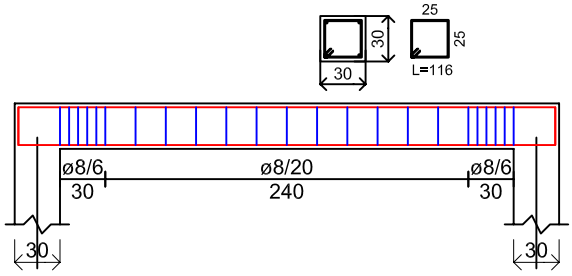


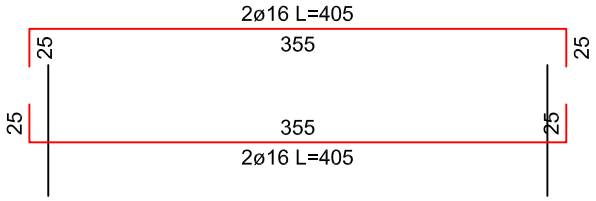
Travata 16 Piano 1

Campata 5-2
Cls =C25/30
Acciaio =B450C

5
Q=340

2
Q=340





Comune di SANTO STEFANO DI CAMASTRA

Provincia di MESSINA

ESECUTIVI DI CANTIERE

Pareti

Oggetto: Calcolo delle strutture in c.a. perla realizzazione dei serbatoi di bunkeraggio a servizio del portoturistico

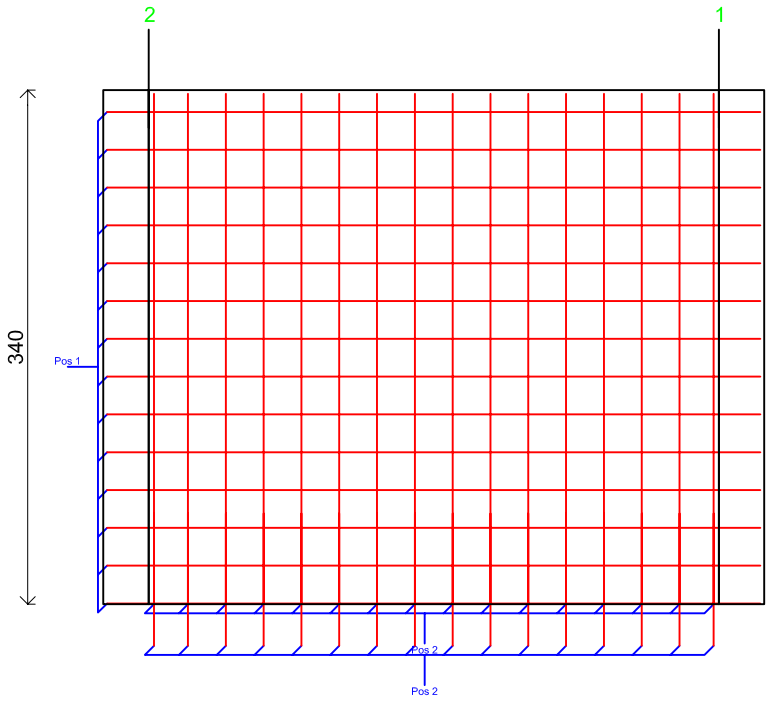
Ditta: COSTRUZIONI BRUNO S.P.A.

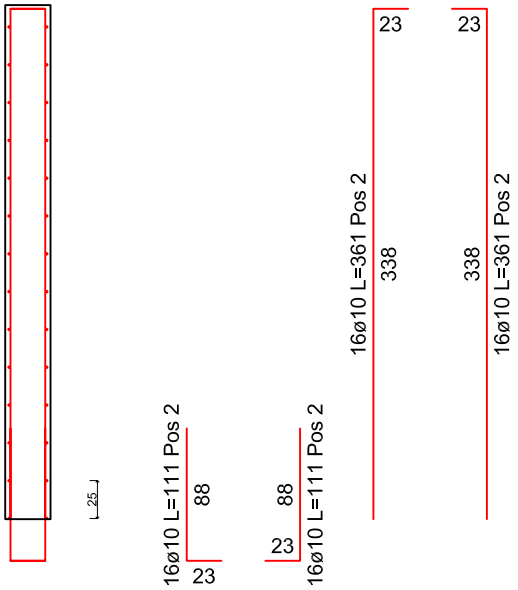
Data: 20/04/2017

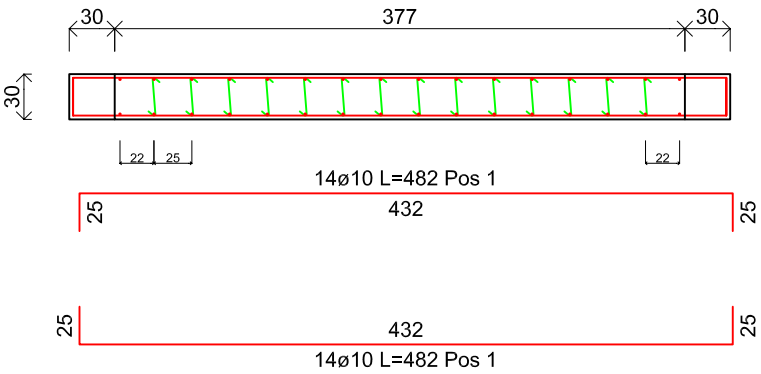
Materiali

CLS
C25/30
ACCIAIO LONGITUDINALI
B450C
ACCIAIO STAFFE
B450C

Parete non Dissipativa1 Piano 1 Fili Fissi 2-1







Materiali

Cls	C25/30
Acciaio	B450C

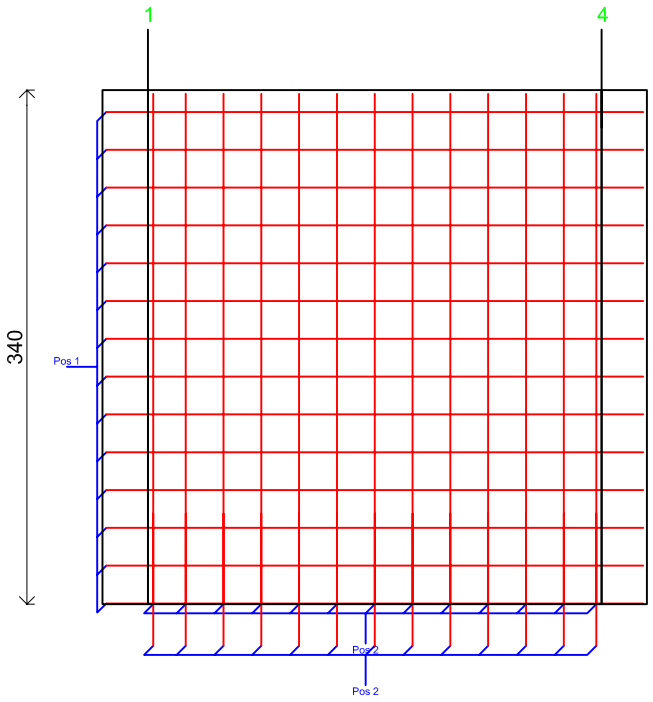
Armature

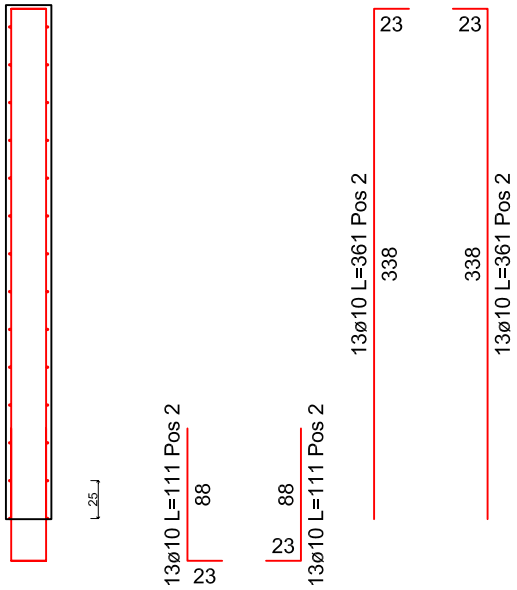
TIPO	ø	Passo	Pos
Oriz.	10	25	1
Vert.	10	25	2

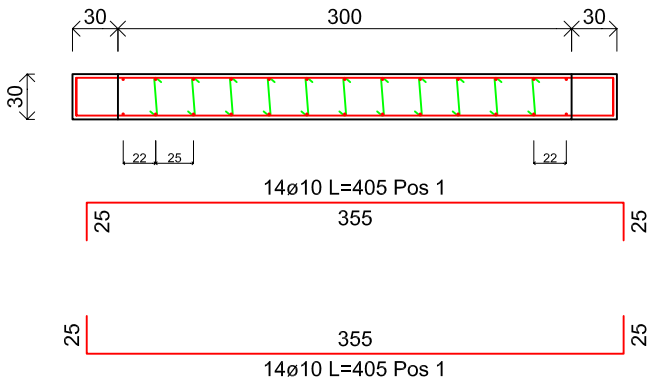
LEGATURE

Zona	ø	Passo Oriz	Passo Vert
Non Conf	8	25	25

Parete non Dissipativa2 Piano 1 Fili Fissi 1-4







Materiali

Cls	C25/30
Acciaio	B450C

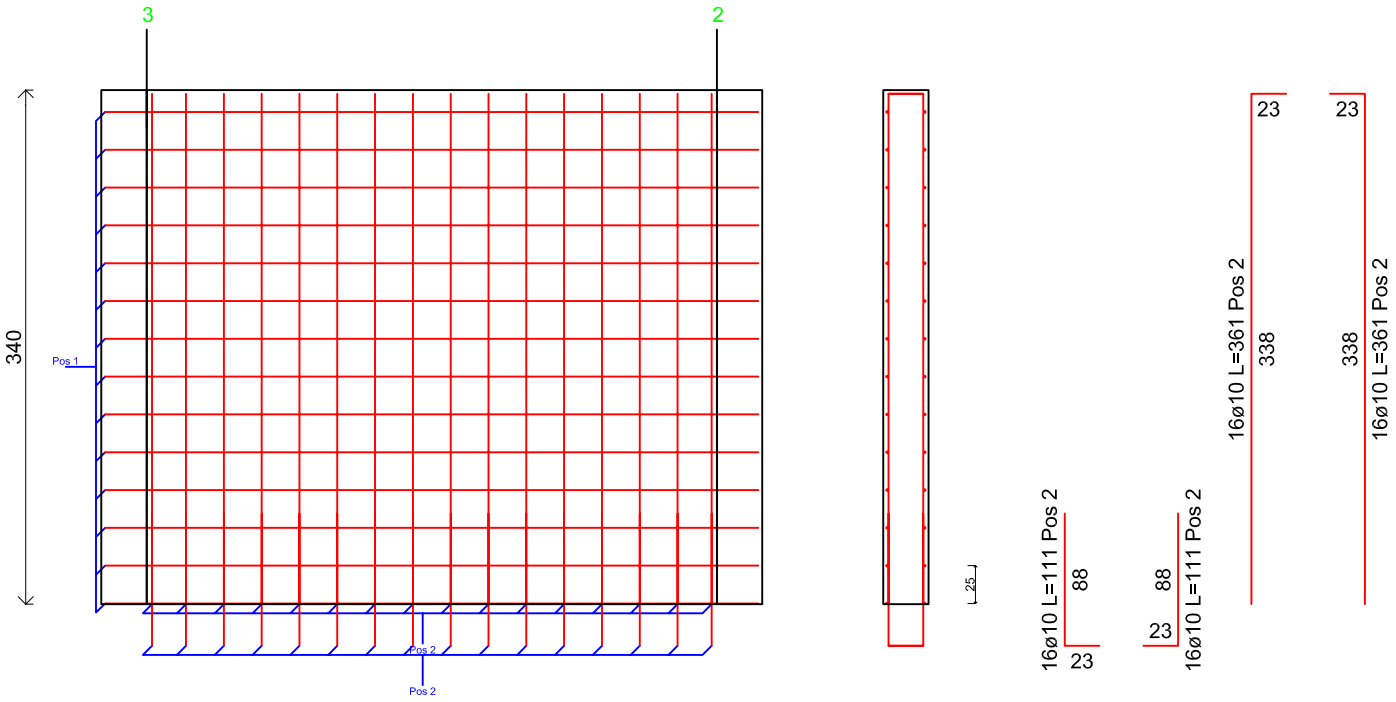
Armature

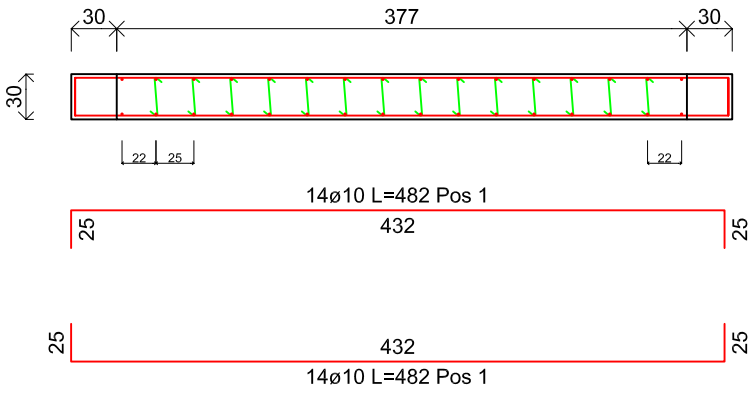
TIPO	ø	Passo	Pos
Oriz.	10	25	1
Vert.	10	25	2

LEGATURE

Zona	ø	Passo Oriz	Passo Vert
Non Conf	8	25	25

Parete non Dissipativa3 Piano 1 Fili Fissi 3-2





Materiali

Cls	C25/30
Acciaio	B450C

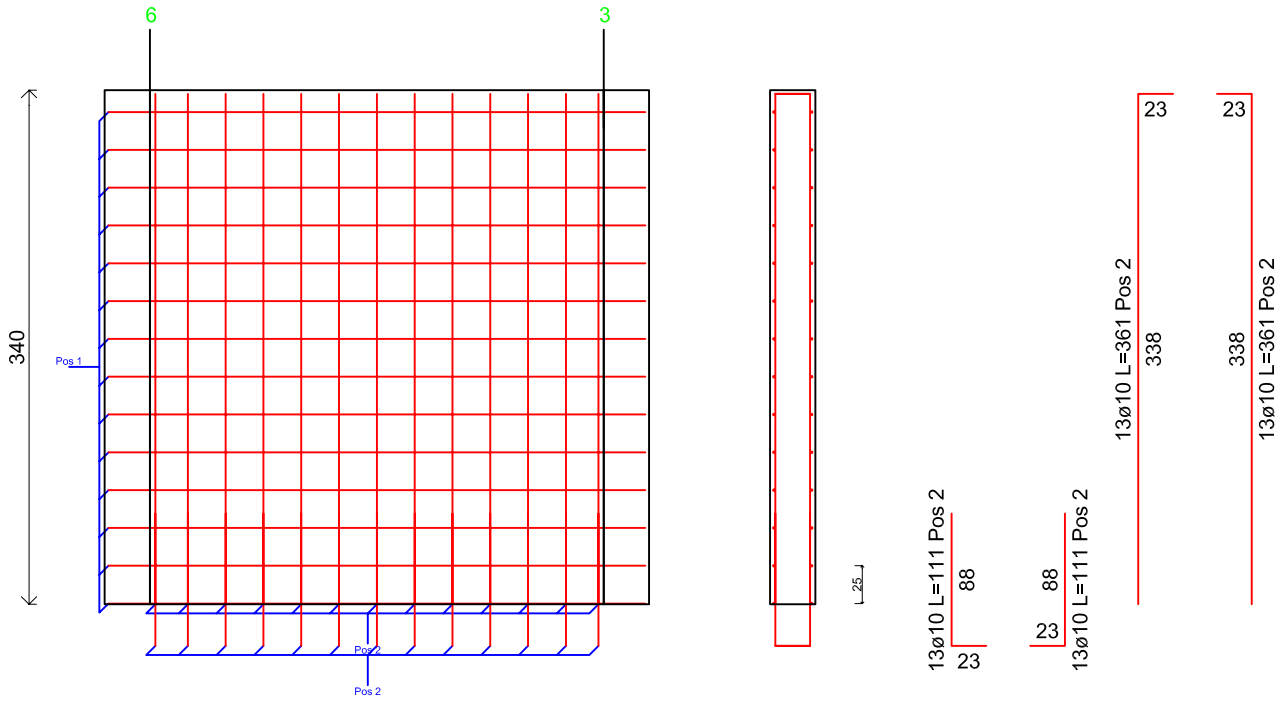
Armature

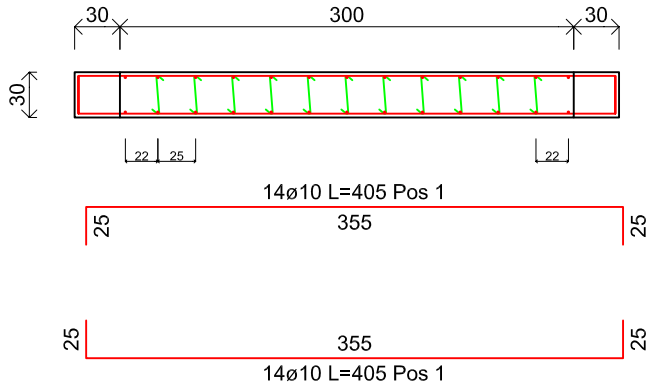
TIPO	ø	Passo	Pos
Orlz.	10	25	1
Vert.	10	25	2

LEGATURE

Zona	ø	Passo Oriz	Passo Vert
Non Conf	8	25	25

Parete non Dissipativa4 Piano 1 Fili Fissi 6-3





Materiali

Cls	C25/30
Acciaio	B450C

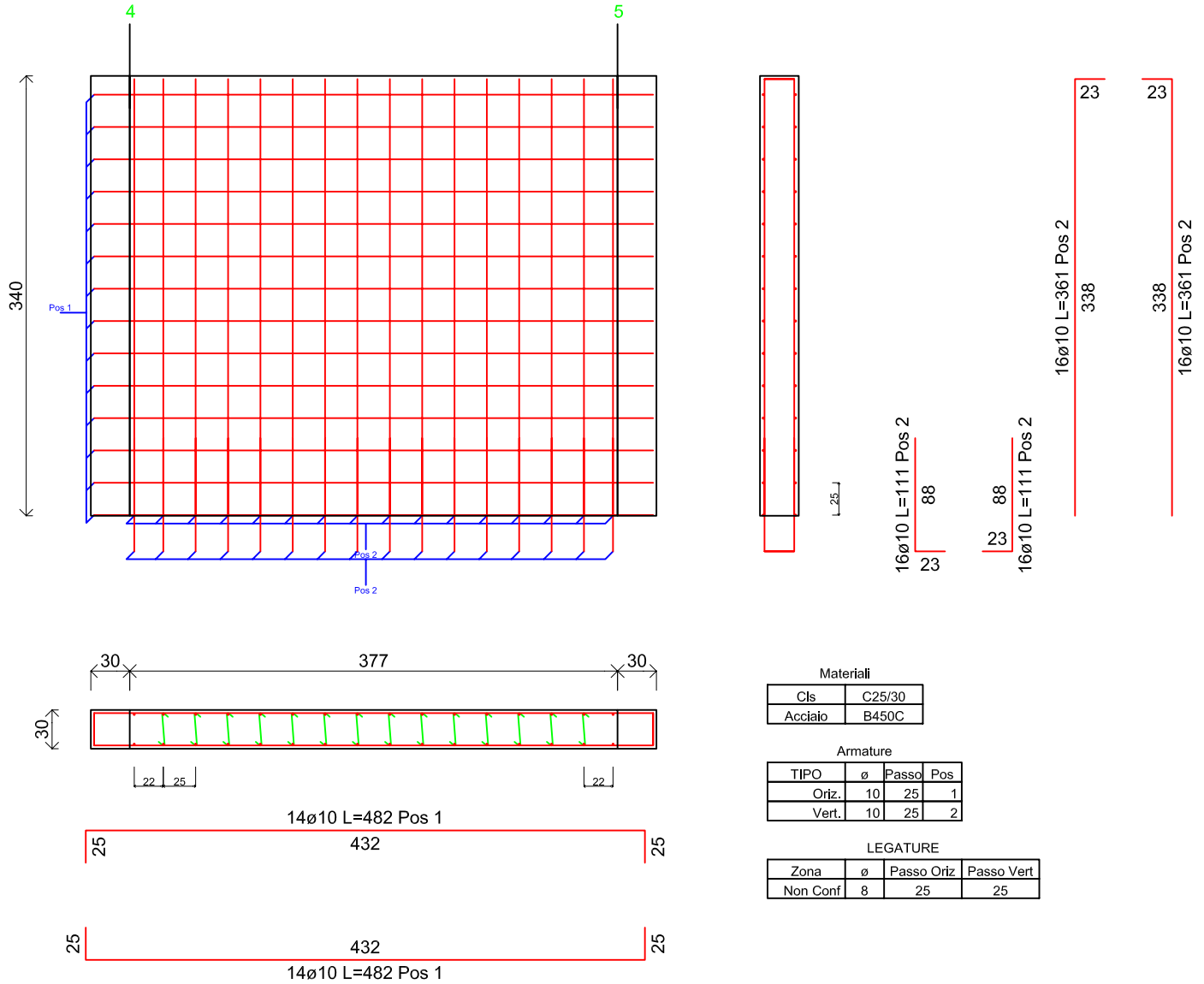
Armature

TIPO	ø	Passo	Pos
Oriz.	10	25	1
Vert.	10	25	2

LEGATURE

Zona	ø	Passo Oriz	Passo Vert
Non Conf	8	25	25

Parete non Dissipativa5 Piano 1 Fili Fissi 4-5



Materiali

Cls	C25/30
Acciaio	B450C

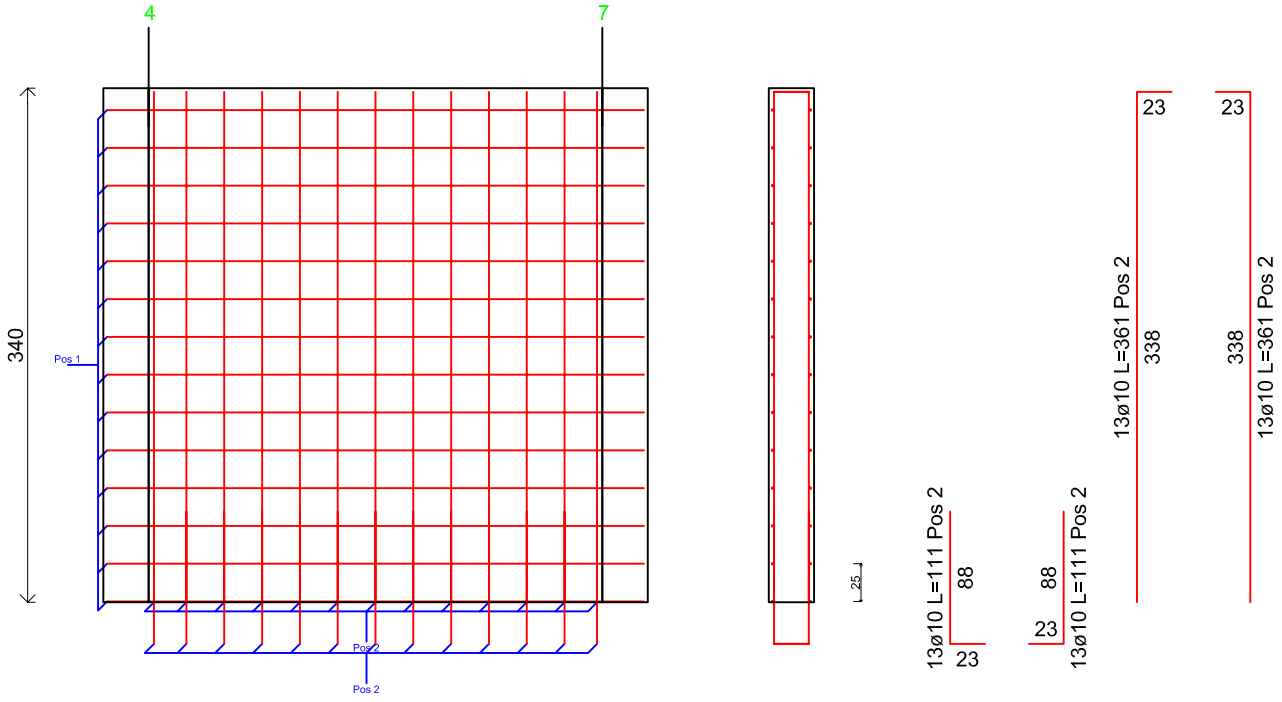
Armature

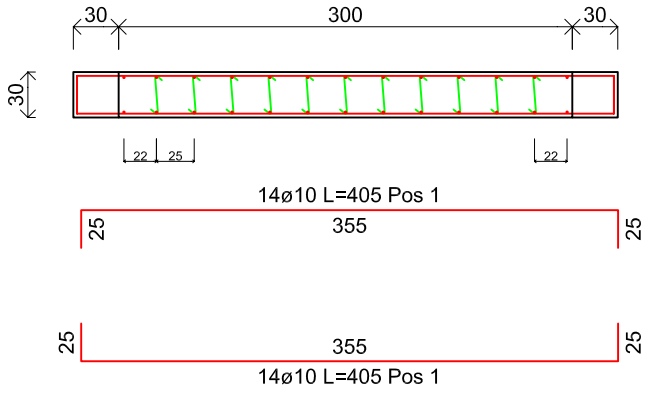
TIPO	ø	Passo	Pos
Oriz.	10	25	1
Vert.	10	25	2

LEGATURE

Zona	ø	Passo Oriz	Passo Vert
Non Conf	8	25	25

Parete non Dissipativa6 Piano 1 Fili Fissi 4-7





14ø10 L=405 Pos 1

14ø10 L=405 Pos 1

Materiali

Cls	C25/30
Acciaio	B450C

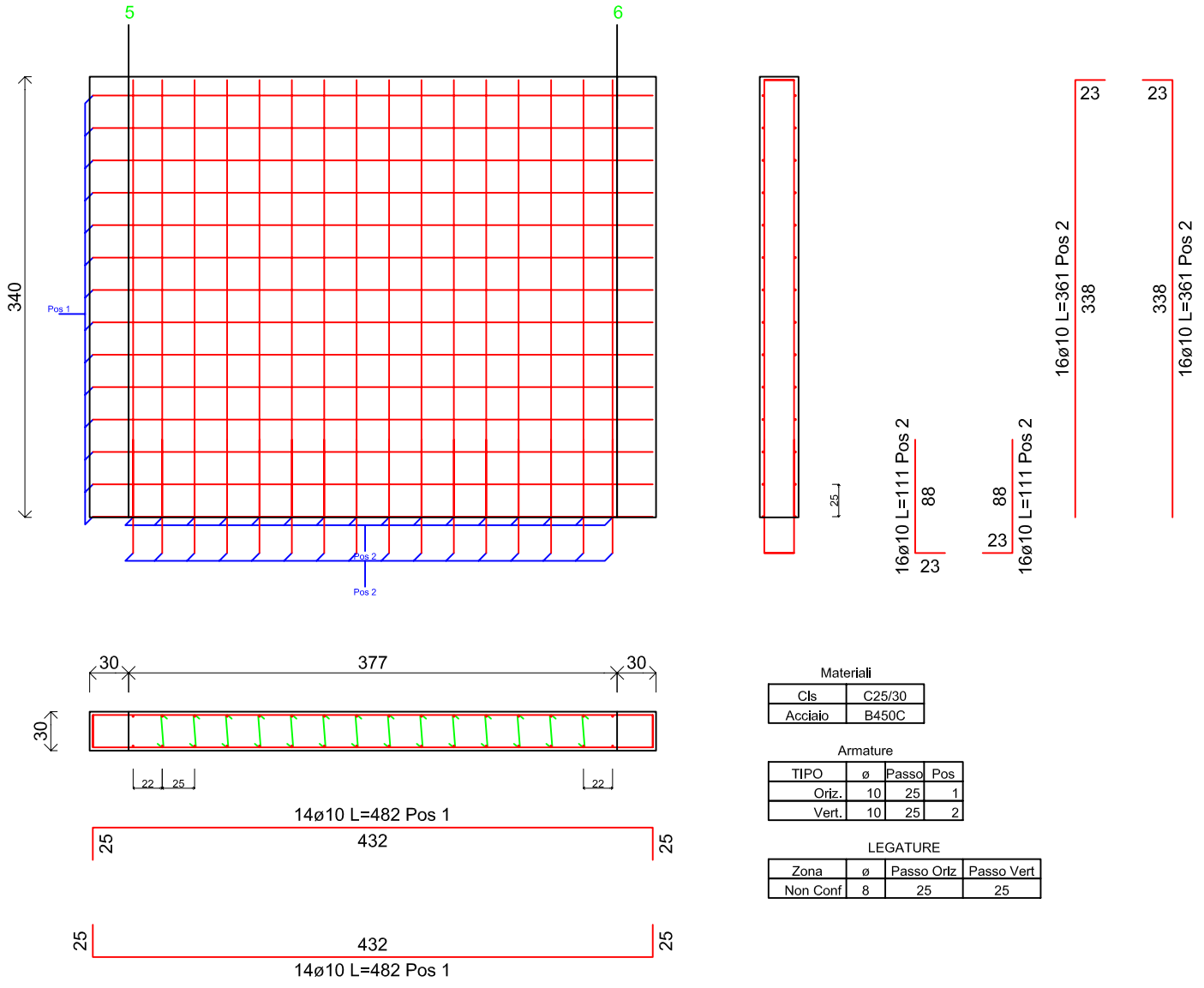
Armature

TIPO	ø	Passo	Pos
Orlz.	10	25	1
Vert.	10	25	2

LEGATURE

Zona	ø	Passo Oriz	Passo Vert
Non Conf	8	25	25

Parete non Dissipativa7 Piano 1 Fili Fissi 5-6



Materiali

Cls	C25/30
Acciaio	B450C

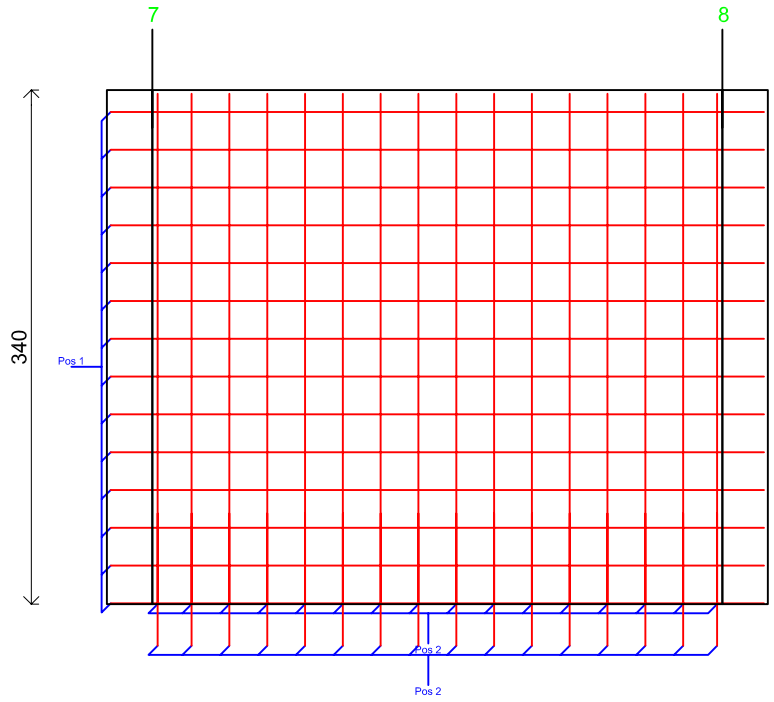
Armature

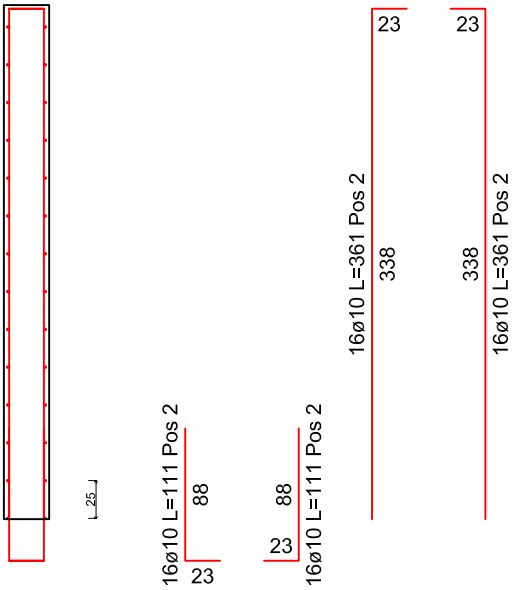
TIPO	ø	Passo	Pos
Oriz.	10	25	1
Vert.	10	25	2

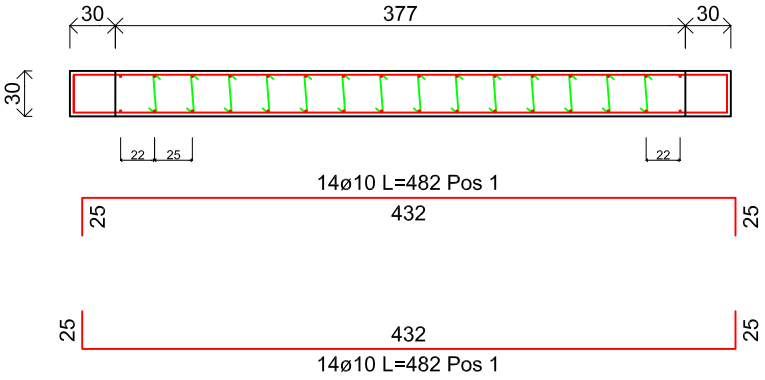
LEGATURE

Zona	ø	Passo Orlz	Passo Vert
Non Conf	8	25	25

Parete non Dissipativa9 Piano 1 Fili Fissi 7-8







Materiali

Cls	C25/30
Acciaio	B450C

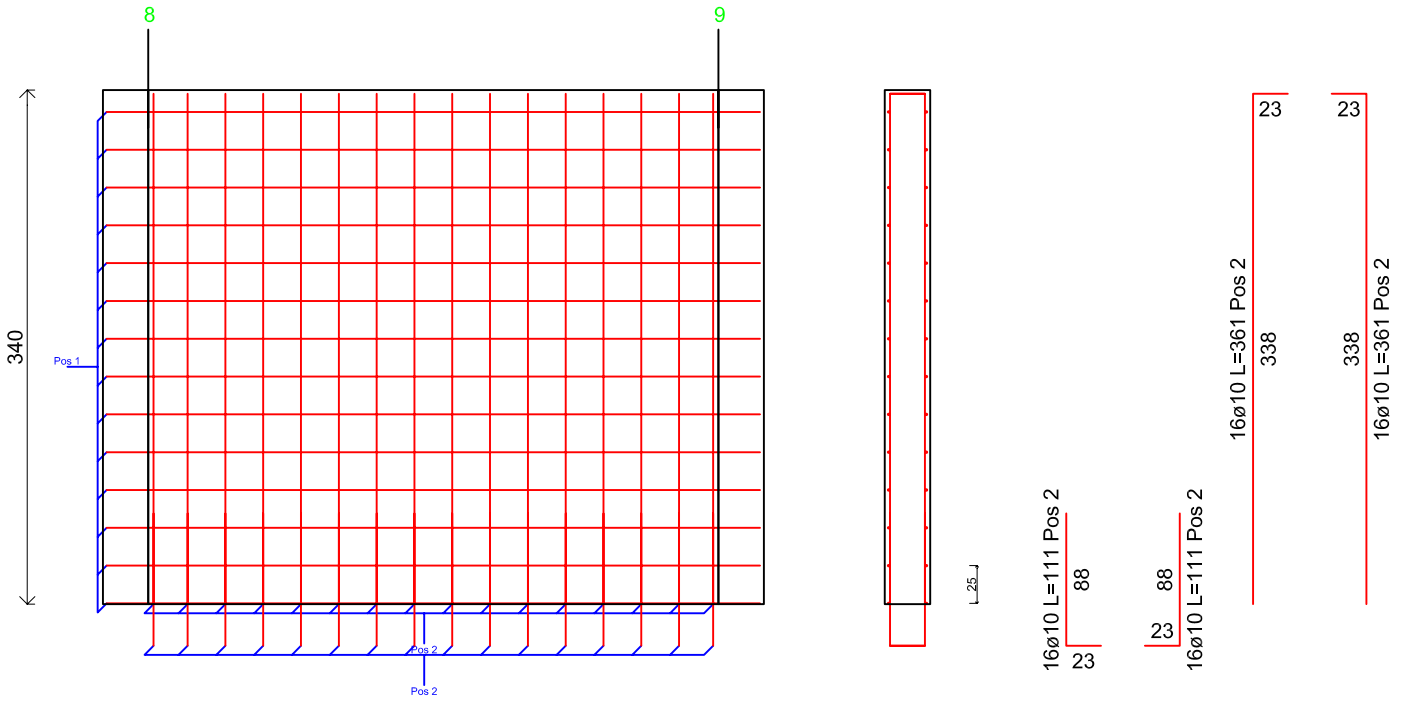
Armature

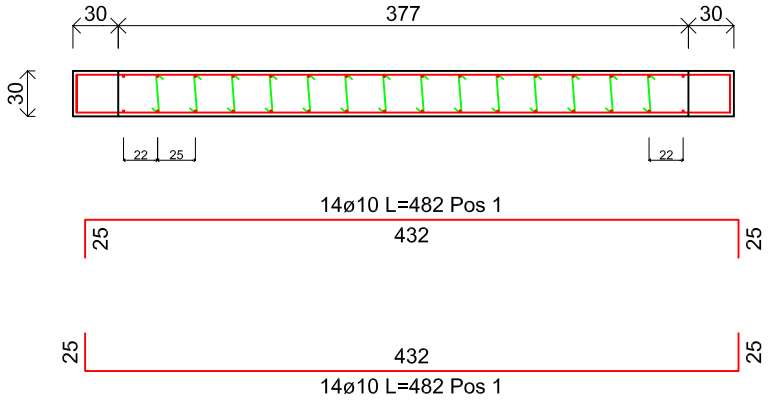
TIPO	ø	Passo	Pos
Oriz.	10	25	1
Vert.	10	25	2

LEGATURE

Zona	ø	Passo Oriz	Passo Vert
Non Conf	8	25	25

Parete non Dissipativa10 Piano 1 Fili Fissi 8-9





14ø10 L=482 Pos 1

14ø10 L=482 Pos 1

Materiali

Cls	C25/30
Acciaio	B450C

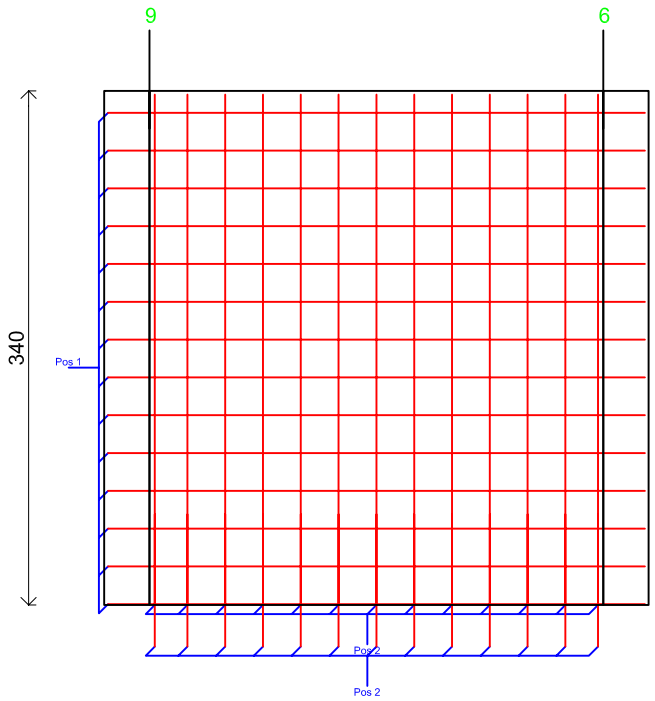
Armature

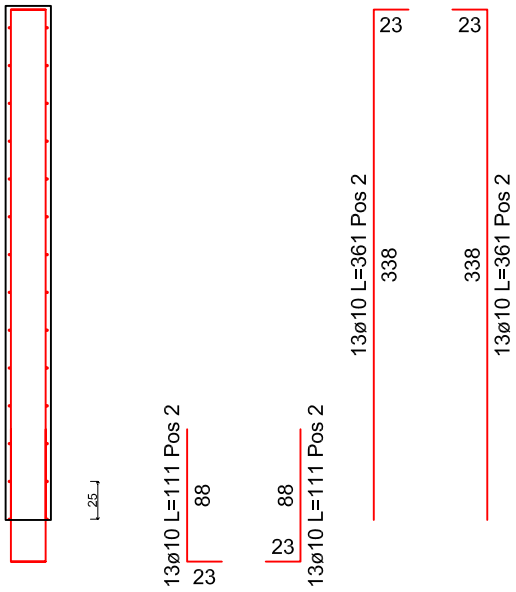
TIPO	ø	Passo	Pos
Oriz.	10	25	1
Vert.	10	25	2

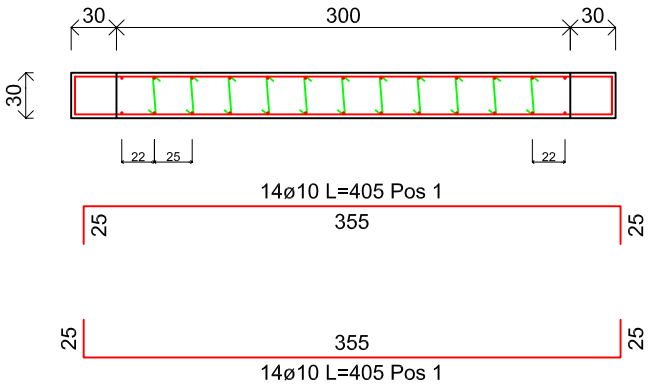
LEGATURE

Zona	ø	Passo Oriz	Passo Vert
Non Conf	8	25	25

Parete non Dissipativa8 Piano 1 Fili Fissi 9-6







Materiali

Cls	C25/30
Acciaio	B450C

Armature

TIPO	ø	Passo	Pos
Ortz.	10	25	1
Vert.	10	25	2

LEGATURE

Zona	ø	Passo Oriz	Passo Vert
Non Conf	8	25	25

Pilastrata 1

Comune di SANTO STEFANO DI CAMASTRA

Provincia di MESSINA

ESECUTIVI DI CANTIERE

Pilastrate

Oggetto: Calcolo delle strutture in c.a. perla realizzazione dei serbatoi di bunkeraggio a servizio del portoturistico

Ditta: COSTRUZIONI BRUNO S.P.A.

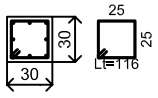
Data: 20/04/2017

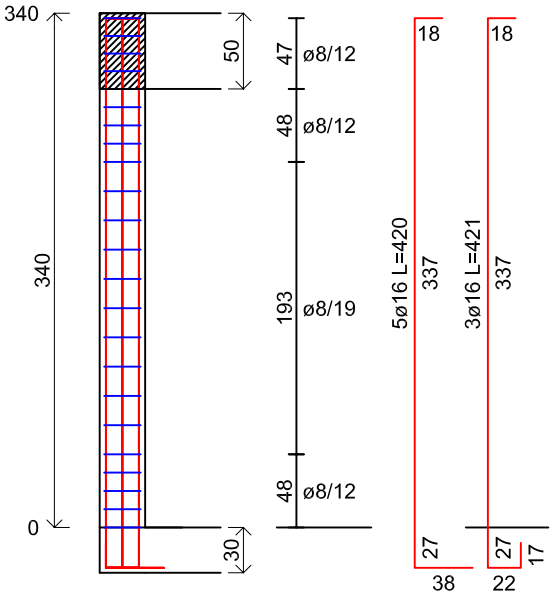
Materiali

CLS
C25/30
ACCIAIO LONGITUDINALI
B450C
ACCIAIO STAFFE
B450C

Pilastrata 1

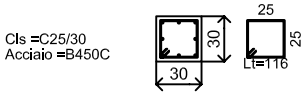
Cls =C25/30
Acciaio =B450C

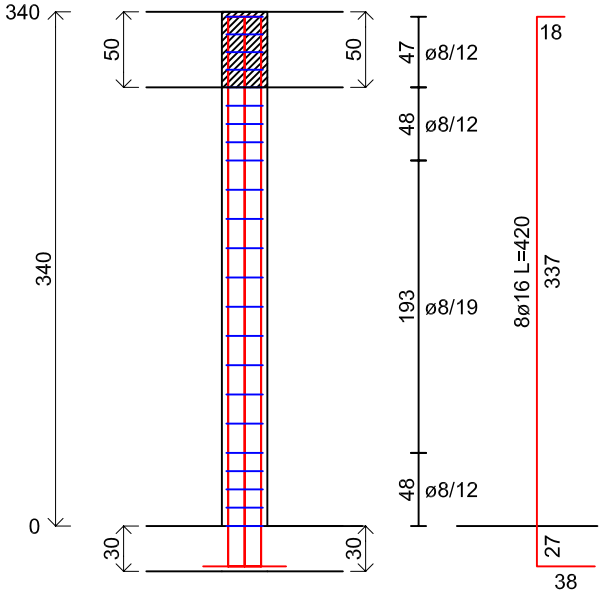




Pilastrata 2

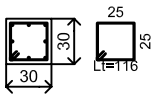
Cls =C25/30
Acciaio =B450C

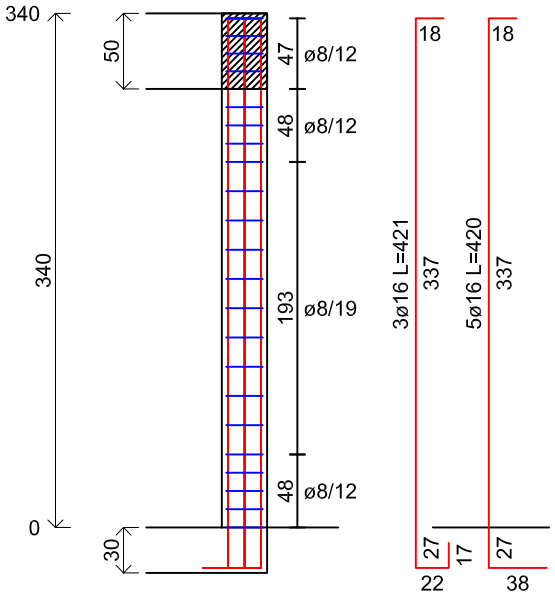




Pilastrata 3

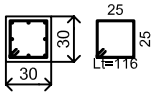
Cls =C25/30
Acciaio =B450C

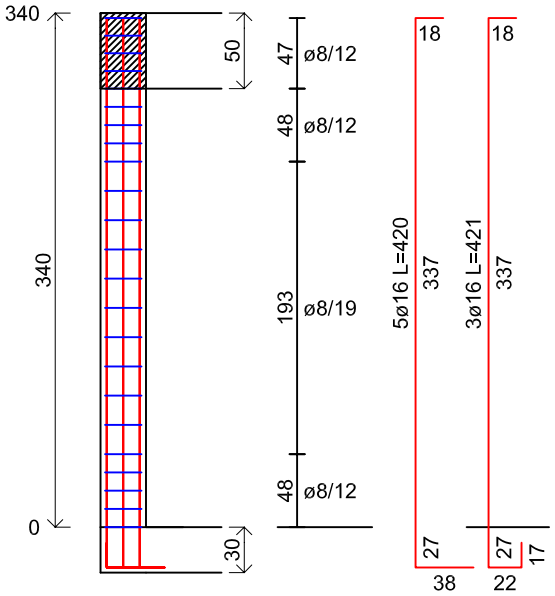




Pilastrata 4

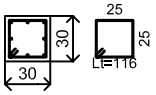
Cls =C25/30
Acciaio =B450C

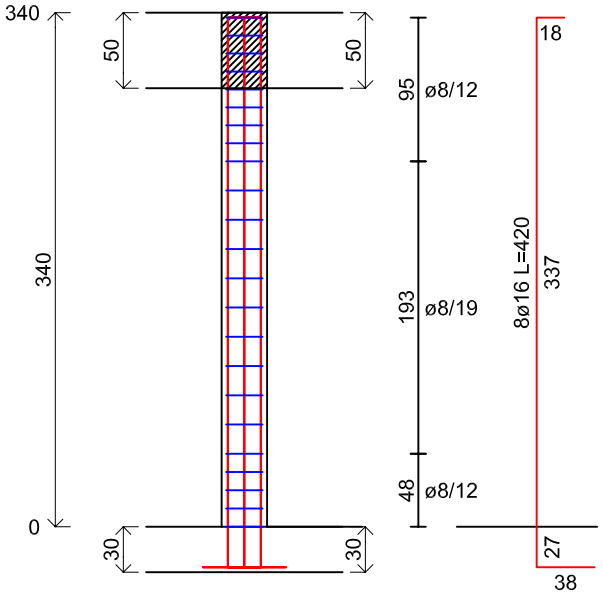




Pilastrata 5

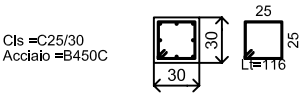
Cls =C25/30
Acciaio =B450C

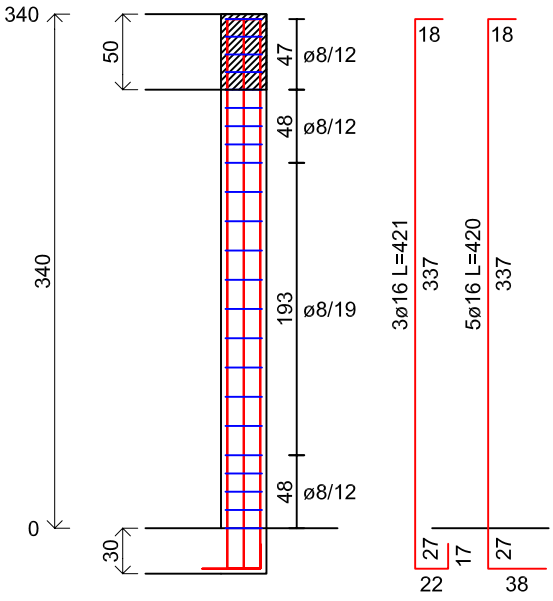




Pilastrata 6

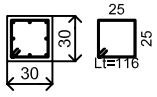
Cls =C25/30
Acciaio =B450C

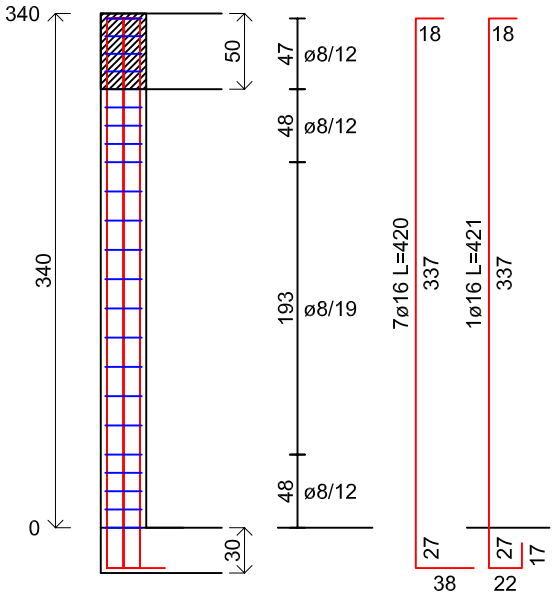




Pilastrata 7

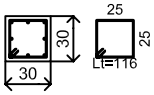
Cls =C25/30
Acciaio =B450C

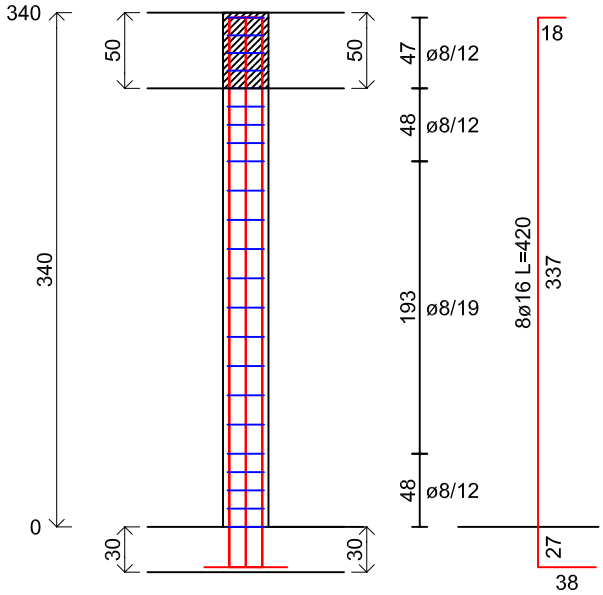




Pilastrata 8

Cls =C25/30
Acciaio =B450C





Pilastrata 9

Cls =C25/30
Acciaio =B450C