

[illegible]

SEZIONE TIPO VASCA DI DISPAZIONE H_{max} 615 X B 600 CM

Scala 1:50

The drawing shows a cross-section of a rectangular tank. The main body has a height of 6.15m and a width of 6.00m. The top and bottom slabs are 0.60m thick. The side walls are 0.60m thick. The total height is H, which is variable from 6.15m to 4.85m. The reinforcement consists of $\phi 16/20$ bars in the walls and $\phi 16/25$ bars in the slabs. The bottom slab is 15 cm thick. The drawing includes four detail views: top slab, bottom slab, and two side walls. The top slab detail shows a width of 6.00m and a height of 0.60m, with reinforcement bars $\phi 16/25$ and a spacing of 10 cm. The bottom slab detail shows a width of 6.00m and a height of 0.60m, with reinforcement bars $\phi 16/25$ and a spacing of 10 cm. The side wall details show a height of 6.15m and a width of 0.60m, with reinforcement bars $\phi 16/20$ and a spacing of 10 cm. The drawing also includes a section line 60/60/mq and a section line 60/60/mq.

SEZIONE TIPO SCALINERIE H 200 X B 500 CM
Ricoprimento max 8,00 m
Scala 1:50

The drawing illustrates a typical staircase section with a height of 200 cm and a width of 500 cm. It includes side and top views with detailed dimensions and reinforcement specifications.

Side View Details:

- Top View:** Shows the overall width of 500 cm and the reinforcement layout. The top reinforcement consists of 574 bars (6024/T=833) with a spacing of 17 cm. The bottom reinforcement consists of 574 bars (6024/T=833) with a spacing of 17 cm. The side reinforcement consists of 574 bars (6024/T=833) with a spacing of 17 cm. The total width is 500 cm.
- Side View:** Shows the height of 200 cm and the reinforcement layout. The top reinforcement consists of 574 bars (6024/T=833) with a spacing of 17 cm. The bottom reinforcement consists of 574 bars (6024/T=833) with a spacing of 17 cm. The side reinforcement consists of 574 bars (6024/T=833) with a spacing of 17 cm. The total height is 200 cm.

Top View Details:

- Reinforcement Layout:** The top view shows the reinforcement layout for the staircase. The top reinforcement consists of 574 bars (6024/T=833) with a spacing of 17 cm. The bottom reinforcement consists of 574 bars (6024/T=833) with a spacing of 17 cm. The side reinforcement consists of 574 bars (6024/T=833) with a spacing of 17 cm. The total width is 500 cm.
- Dimensions:** The top view shows the overall width of 500 cm and the reinforcement layout. The top reinforcement consists of 574 bars (6024/T=833) with a spacing of 17 cm. The bottom reinforcement consists of 574 bars (6024/T=833) with a spacing of 17 cm. The side reinforcement consists of 574 bars (6024/T=833) with a spacing of 17 cm. The total width is 500 cm.

Side View Details:

- Reinforcement Layout:** The side view shows the reinforcement layout for the staircase. The top reinforcement consists of 574 bars (6024/T=833) with a spacing of 17 cm. The bottom reinforcement consists of 574 bars (6024/T=833) with a spacing of 17 cm. The side reinforcement consists of 574 bars (6024/T=833) with a spacing of 17 cm. The total height is 200 cm.
- Dimensions:** The side view shows the overall height of 200 cm and the reinforcement layout. The top reinforcement consists of 574 bars (6024/T=833) with a spacing of 17 cm. The bottom reinforcement consists of 574 bars (6024/T=833) with a spacing of 17 cm. The side reinforcement consists of 574 bars (6024/T=833) with a spacing of 17 cm. The total height is 200 cm.

SEZIONE VERTICALE TIPO MURO DI SOSTEGNO $H_{max}=6.30$
Scala 1:50

LATO FRUME

LATO MONTE

$H=6.30$

Vedi indicazioni in pianta

Mazzone so. 15 cm

$\varnothing 180$

0.55

0.60

4.10

0.65

304
4200(T=383)

59

604
4200(T=383)

608mm

49

71

3020(T=272)

214

58

6020(T=362)

304

58

6020(T=362)

120

65

1200(T=369)

58

62

519

5020(T=763)

63

59

297
5020(T=367)

63

49

3

1820(T=379)

63

122

608mm

49

62

1820(T=327)

63

122

122
1820(T=327)

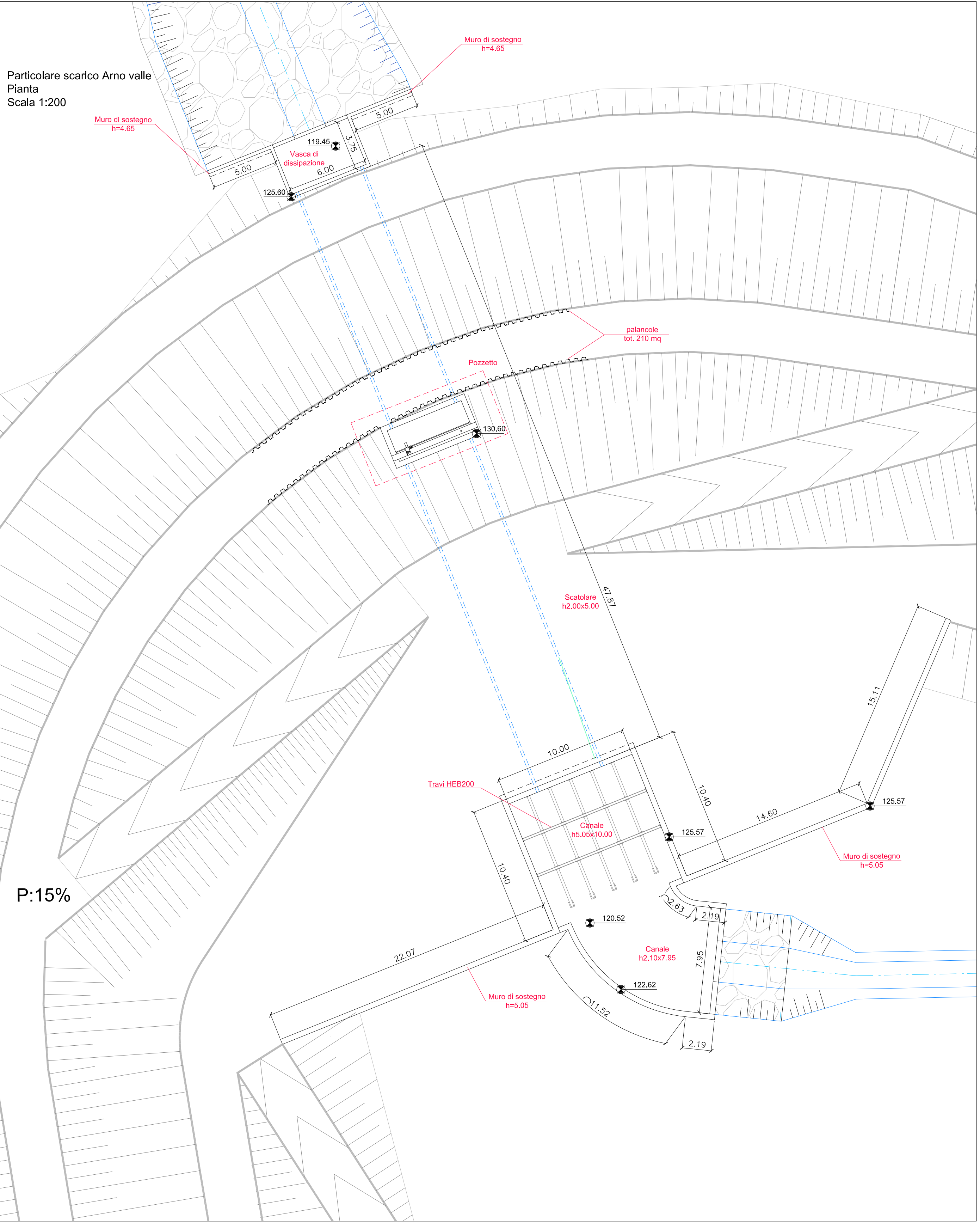
63

122

5020(T=763)

63

59



SEZIONE TIPO CANALI H 505 X B 1000 CM

Scala 1:50

Technical drawing showing a cross-section of a reinforced concrete frame structure. The drawing includes dimensions for the reinforcement bars, including the diameter (Ø12/15) and the spacing (10.00m). The drawing is labeled "SEZIONE TIPO CANALI H 505 X B 1000 CM" and "Scala 1:50".

CARATTERISTICHE DEI MATERIALI	
CALCESTRUZZI	
Calcestruzzo per maggiore di pulizia	C15/15
Classe di resistenza di calcestruzzo	R _{ck} ≥ 115 N/mm ²
Calcestruzzo per opere strutturali:	
Classe di resistenza di calcestruzzo	C25/30
Classe di abbassamento di cono (slump)	S4
Classe di esposizione	XC2
Resistenza caratteristica a compressione a 28 gg	R _{ck} ≥ 30 N/mm ²
ARMATURE PER C.A.	
Tipologia acciaio	B450C
Tensione caratteristica a snervamento dell'acciaio B450C	f _{yk} = 450 N/mm ²
Tensione caratteristica a rottura dell'acciaio B450C	f _{tk} = 540 N/mm ²
Valore caratter. con fratture 10% del rapporto (f _{yk} /f _{ym})m/k	(f _{yk} /f _{ym})m/k ≤ 1,25
Valore caratter. con fratture 10% del rapporto (f _{tk} /f _{tkm})m/k	1,15 (f _{tk} /f _{tkm})m/k ≤ 1,35
Valore caratter. con fratture 10% dell'allungamento (A _{gk})m	A _{gk} ≥ 5,5%
Modulo elastico	E = 210000 N/mm ²
Coefficiente di Poisson	ν = 0,3
Coefficiente di dilatazione termica	α = 12 × 10 ⁻⁶ °C ⁻¹
Densità	ρ = 7850 kg/m ³



COMMISSARIO DI GOVERNO

EX LEGGE 116/2014


CASSA DI ESPANSIONE RESTONE
E SISTEMAZIONE DEL RETICOLO IDRAULICO DI PERTINENZA
STRALCIO N.2


ACCORDO DI PROGRAMMA D.M. N. 550 DEL 25/11/2015


PROGETTO DEFINITIVO

Responsabile Unico del Procedimento: Dott. Ing. LORENZO CONTI

R.T.I. - Progettazione


HYDEA S.p.A.
 Via del Rasoio Fiorentino, 2g
 50142 Firenze Italia


West Systems
 divisione PHYSIS
 Ingegneria per l'ambiente


STUDIO TECNICO ASSOCIATO
 Via G. di Vico, 18
 50037 - Rignano sull'Arno
 Firenze

Mandante: GEO ECO ENGINEERING Società di Ingegneria s.r.l.	Mandante: Via G. B. Niccolini, 9	Consulenti Topografici: Studio Associato Top
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responsabile delle		Progettazione	
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Correlazioni spaziali				Informazioni

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Dott. Ing. STEFANO MONNI			
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Dott. Ing. STEFANO MONNI	N.9176 ENTECA	Dott. Ing. DAVID SETTESOLDI	Dott. Ing. LUCIANO MARRADI	Dott. Arch. RENZO FUNARO
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OPERE STRUTTURALI

ST 05 06 Scatolari di attraversamento e muri di sostegno

Scarico Arno valle

Verifica	VERIFICATO	DATA PRIMA EMISSIONE
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	Dot. Ing. S. Monni	MARZO 2019
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A	Marzo 2019	<p>Sistema Qualità certificato dal N. 9175-HYDE per tutti i processi aziendali</p> 
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