

COMMITTENTE:



ALTA
SORVEGLIANZA:



GENERAL CONTRACTOR:



**INFRASTRUTTURE FERROVIARIE STRATEGICHE DEFINITE DALLA LEGGE
OBIETTIVO N. 443/01
LINEA AV/AC TORINO – VENEZIA Tratta VERONA – PADOVA
Lotto funzionale Verona – Bivio Vicenza
PROGETTO ESECUTIVO
GA - GALLERIE ARTIFICIALI
GA03 - INTERFERENZA A4 DAL KM 36+530,19 AL KM 36+714,22 - OPERE
INTERNE
GENERALE
TABULATI MOVIMENTI TERRA**

GENERAL CONTRACTOR		DIRETTORE LAVORI		SCALA -
IL PROGETTISTA INTEGRATORE	Consorzio Iricav Due ing. Paolo Carmona Data: Marzo 2021			

COMMESSA LOTTO FASE ENTE TIPO DOC. OPERA/DISCIPLINA Progr. REV. FOGLIO

I	N	1	7	1	2	E	I	2	TT	GA	03	A0	0	0	1	A	-	-	-	P	-	-	-
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	VISTO CONSORZIO IRICAV DUE	
	Firma Luca RANDOLFI	Data Marzo 2021

Progettazione:

Rev.	Descrizione	Redatto	Data	Verificato	Data	Approvato	Data	
A	EMISSIONE	Russillo 	31/03/21	Gardani 	31/03/21	Galvanin 	31/03/21	

CIG. 8377957CD1	CUP: J41E91000000009	File: IN1712EI2TTGA0300001A.DOCX
		Cod. origine:



Progetto cofinanziato
dalla Unione Europea

GENERAL CONTRACTOR 	ALTA SORVEGLIANZA 				
TABULATI MOVIMENTI TERRA	Progetto IN17	Lotto 12	Codifica Documento E12TTGA03A0001	Rev. A	Foglio 2 di 2

ALLEGATO I - TABULATI MOVIMENTI TERRA: GA03A

ALLEGATO II - TABULATI MOVIMENTI TERRA: GA03B

BALLAST		CALCOLO DELLE AREE	Foglio n. 1		
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
GA03A-1 36530.19	A1	(-5.48--6.10)x(52.02+52.02)/2 (-5.20--5.48)x(52.03+52.02)/2 (-4.76--5.20)x(52.01+52.03)/2 (-3.64--4.76)x(52.01+52.01)/2 (-3.20--3.64)x(52.03+52.01)/2 (-2.92--3.20)x(52.02+52.03)/2 (-2.68--2.92)x(52.02+52.02)/2 (-1.52--2.68)x(52.02+52.02)/2 (-1.28--1.52)x(52.02+52.02)/2 (-1.00--1.28)x(52.03+52.02)/2 (-0.56--1.00)x(52.01+52.03)/2 (0.56--0.56)x(52.01+52.01)/2 (1.00--0.56)x(52.03+52.01)/2 (1.28--1.00)x(52.02+52.03)/2 (1.90--1.28)x(52.02+52.02)/2 (1.85--1.90)x(51.44+51.49)/2 (-2.10--1.85)x(51.32+51.44)/2 (-6.05--2.10)x(51.44+51.32)/2 (-6.10--6.05)x(51.49+51.44)/2	32.25 14.57 22.89 58.25 22.89 14.57 12.48 60.34 12.48 14.57 22.89 58.25 22.89 14.57 32.25 -2.57 -202.95 -202.95 -2.57		
GA03A-2 36550.00	A1	(-5.48--6.10)x(52.02+52.02)/2 (-5.20--5.48)x(52.03+52.02)/2 (-4.76--5.20)x(52.01+52.03)/2 (-3.64--4.76)x(52.01+52.01)/2 (-3.20--3.64)x(52.03+52.01)/2 (-2.92--3.20)x(52.02+52.03)/2 (-2.68--2.92)x(52.02+52.02)/2 (-1.52--2.68)x(52.02+52.02)/2 (-1.28--1.52)x(52.02+52.02)/2 (-1.00--1.28)x(52.03+52.02)/2 (-0.56--1.00)x(52.01+52.03)/2 (0.56--0.56)x(52.01+52.01)/2 (1.00--0.56)x(52.03+52.01)/2 (1.28--1.00)x(52.02+52.03)/2 (1.90--1.28)x(52.02+52.02)/2 (1.85--1.90)x(51.44+51.49)/2 (-2.10--1.85)x(51.32+51.44)/2 (-6.05--2.10)x(51.44+51.32)/2 (-6.10--6.05)x(51.49+51.44)/2	32.25 14.57 22.89 58.25 22.89 14.57 12.48 60.34 12.48 14.57 22.89 58.25 22.89 14.57 32.25 -2.57 -202.95 -202.95 -2.57	5.10	
GA03A-3 36575.00	A1	(-5.48--6.10)x(52.02+52.02)/2 (-5.20--5.48)x(52.04+52.02)/2 (-4.76--5.20)x(52.01+52.04)/2 (-3.64--4.76)x(52.01+52.01)/2 (-3.20--3.64)x(52.04+52.01)/2 (-2.92--3.20)x(52.02+52.04)/2 (-2.68--2.92)x(52.02+52.02)/2 (-1.52--2.68)x(52.02+52.02)/2 (-1.28--1.52)x(52.02+52.02)/2 (-1.00--1.28)x(52.04+52.02)/2 (-0.56--1.00)x(52.01+52.04)/2 (0.56--0.56)x(52.01+52.01)/2 (1.00--0.56)x(52.04+52.01)/2 (1.28--1.00)x(52.02+52.04)/2 (1.90--1.28)x(52.02+52.02)/2 (1.85--1.90)x(51.45+51.50)/2 (-2.10--1.85)x(51.33+51.45)/2 (-6.05--2.10)x(51.45+51.33)/2 (-6.10--6.05)x(51.50+51.45)/2	32.25 14.57 22.89 58.25 22.89 14.57 12.48 60.34 12.48 14.57 22.89 58.25 22.89 14.57 32.25 -2.57 -202.99 -202.99 -2.57	5.10	
GA03A-4 36600.00	A1	(-5.48--6.10)x(52.03+52.03)/2 (-5.20--5.48)x(52.04+52.03)/2 (-4.76--5.20)x(52.02+52.04)/2 (-3.64--4.76)x(52.02+52.02)/2 (-3.20--3.64)x(52.04+52.02)/2 (-2.92--3.20)x(52.03+52.03)/2 (-2.68--2.92)x(52.03+52.04)/2 (-1.52--2.68)x(52.03+52.03)/2 (-1.28--1.52)x(52.03+52.03)/2 (-1.00--1.28)x(52.04+52.03)/2 (-0.56--1.00)x(52.02+52.04)/2 (0.56--0.56)x(52.02+52.02)/2 (1.00--0.56)x(52.04+52.02)/2 (1.28--1.00)x(52.03+52.04)/2 (1.90--1.28)x(52.03+52.03)/2 (1.85--1.90)x(51.45+51.50)/2 (-2.10--1.85)x(51.33+51.45)/2 (-6.05--2.10)x(51.45+51.33)/2 (-6.10--6.05)x(51.50+51.45)/2	32.26 14.57 22.89 58.26 22.89 14.57 12.49 60.35 12.49 14.57 22.89 58.26 22.89 14.57 32.26 -2.57 -202.99 -202.99 -2.57	5.02	
GA03A-5 36625.00	A1	(-5.48--6.10)x(52.03+52.03)/2 (-5.20--5.48)x(52.04+52.03)/2 (-4.76--5.20)x(52.02+52.04)/2 (-3.64--4.76)x(52.02+52.02)/2 (-3.20--3.64)x(52.04+52.02)/2 (-2.92--3.20)x(52.03+52.03)/2 (-2.68--2.92)x(52.03+52.04)/2 (-1.52--2.68)x(52.03+52.03)/2 (-1.28--1.52)x(52.03+52.03)/2 (-1.00--1.28)x(52.04+52.03)/2 (-0.56--1.00)x(52.02+52.04)/2 (0.56--0.56)x(52.02+52.02)/2 (1.00--0.56)x(52.04+52.02)/2 (1.28--1.00)x(52.03+52.04)/2 (1.90--1.28)x(52.03+52.03)/2 (1.85--1.90)x(51.46+51.51)/2 (-2.10--1.85)x(51.34+51.46)/2 (-6.05--2.10)x(51.46+51.34)/2 (-6.10--6.05)x(51.51+51.46)/2	32.26 14.57 22.89 58.26 22.89 14.57 12.49 60.35 12.49 14.57 22.89 58.26 22.89 14.57 32.26 -2.57 -203.03 -203.03 -2.57	5.09	
GA03A-6 36650.00	A1	(-5.48--6.10)x(52.04+52.04)/2 (-5.20--5.48)x(52.05+52.04)/2 (-4.76--5.20)x(52.03+52.05)/2 (-3.64--4.76)x(52.03+52.03)/2 (-3.20--3.64)x(52.05+52.03)/2 (-2.92--3.20)x(52.04+52.05)/2	32.26 14.57 22.90 58.27 22.90 14.57	5.01	
A RIPORTARE mq			165.47		

BALLAST		CALCOLO DELLE AREE	Foglio n. 2		
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
		RIPORTO mq	165.47		
GA03A-7 36675.00	A1	$(-2.68--2.92) \times (52.04+52.04) / 2$	12.49	5.09	
		$(-1.52--2.68) \times (52.04+52.04) / 2$	60.37		
		$(-1.28--1.52) \times (52.04+52.04) / 2$	12.49		
		$(-1.00--1.28) \times (52.05+52.04) / 2$	14.57		
		$(-0.56--1.00) \times (52.03+52.05) / 2$	22.90		
		$(0.56--0.56) \times (52.03+52.03) / 2$	58.27		
		$(1.00--0.56) \times (52.05+52.03) / 2$	22.90		
		$(1.28--1.00) \times (52.04+52.05) / 2$	14.57		
		$(1.90--1.28) \times (52.04+52.04) / 2$	32.26		
		$(1.85--1.90) \times (51.46+51.51) / 2$	-2.57		
		$(-2.10--1.85) \times (51.34+51.46) / 2$	-203.03		
		$(-6.05--2.10) \times (51.46+51.34) / 2$	-203.03		
		$(-6.10--6.05) \times (51.51+51.46) / 2$	-2.57		
		GA03A-8 36700.00	A1		
$(-5.20--5.48) \times (52.05+52.04) / 2$	14.57				
$(-4.76--5.20) \times (52.03+52.05) / 2$	22.90				
$(-3.64--4.76) \times (52.03+52.03) / 2$	58.27				
$(-3.20--3.64) \times (52.05+52.03) / 2$	22.90				
$(-2.92--3.20) \times (52.04+52.05) / 2$	14.57				
$(-2.68--2.92) \times (52.04+52.04) / 2$	12.49				
$(-1.52--2.68) \times (52.04+52.04) / 2$	60.37				
$(-1.28--1.52) \times (52.04+52.04) / 2$	12.49				
$(-1.00--1.28) \times (52.05+52.04) / 2$	14.57				
$(-0.56--1.00) \times (52.03+52.05) / 2$	22.90				
$(0.56--0.56) \times (52.03+52.03) / 2$	58.27				
$(1.00--0.56) \times (52.05+52.03) / 2$	22.90				
$(1.28--1.00) \times (52.04+52.05) / 2$	14.57				
GA03A-9 36714.22	A1	$(-5.48--6.10) \times (52.04+52.04) / 2$	32.26	5.03	
		$(-5.20--5.48) \times (52.06+52.04) / 2$	14.57		
		$(-4.76--5.20) \times (52.04+52.06) / 2$	22.90		
		$(-3.64--4.76) \times (52.04+52.04) / 2$	58.28		
		$(-3.20--3.64) \times (52.06+52.04) / 2$	22.90		
		$(-2.92--3.20) \times (52.04+52.06) / 2$	14.57		
		$(-2.68--2.92) \times (52.04+52.04) / 2$	12.49		
		$(-1.52--2.68) \times (52.04+52.04) / 2$	60.37		
		$(-1.28--1.52) \times (52.04+52.04) / 2$	12.49		
		$(-1.00--1.28) \times (52.06+52.04) / 2$	14.57		
		$(-0.56--1.00) \times (52.04+52.06) / 2$	22.90		
		$(0.56--0.56) \times (52.04+52.04) / 2$	58.28		
		$(1.00--0.56) \times (52.06+52.04) / 2$	22.90		
		$(1.28--1.00) \times (52.04+52.06) / 2$	14.57		
GA03A-9 36714.22	A1	$(-5.48--6.10) \times (52.05+52.05) / 2$	32.27	5.10	
		$(-5.20--5.48) \times (52.06+52.05) / 2$	14.58		
		$(-4.76--5.20) \times (52.04+52.06) / 2$	22.90		
		$(-3.64--4.76) \times (52.04+52.04) / 2$	58.28		
		$(-3.20--3.64) \times (52.06+52.04) / 2$	22.90		
		$(-2.92--3.20) \times (52.05+52.06) / 2$	14.58		
		$(-2.68--2.92) \times (52.05+52.05) / 2$	12.49		
		$(-1.52--2.68) \times (52.05+52.05) / 2$	60.38		
		$(-1.28--1.52) \times (52.05+52.05) / 2$	12.49		
		$(-1.00--1.28) \times (52.06+52.05) / 2$	14.58		
		$(-0.56--1.00) \times (52.04+52.06) / 2$	22.90		
		$(0.56--0.56) \times (52.04+52.04) / 2$	58.28		
		$(1.00--0.56) \times (52.06+52.04) / 2$	22.90		
		$(1.28--1.00) \times (52.05+52.06) / 2$	14.58		
$(1.90--1.28) \times (52.05+52.05) / 2$	32.27				
$(1.85--1.90) \times (51.47+51.52) / 2$	-2.57				
$(-2.10--1.85) \times (51.35+51.47) / 2$	-203.07				
$(-6.05--2.10) \times (51.47+51.35) / 2$	-203.07				
$(-6.10--6.05) \times (51.52+51.47) / 2$	-2.57				

Il Direttore dei Lavori

L'Impresa

		COMPUTO DEI VOLUMI					Foglio n. 3	
BALLAST								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
RI68A-26	GA03A-2	GA03A-2	A1	5.10	19.81	9.90	50.490	
GA03A-2	GA03A-3	GA03A-2	A1	5.10	25.00	12.50	63.750	50.490
36550.00	36575.00	GA03A-3	A1	5.02	25.00	12.50	62.750	
GA03A-3	GA03A-4	GA03A-3	A1	5.02	25.00	12.50	62.750	126.500
36575.00	36600.00	GA03A-4	A1	5.09	25.00	12.50	63.625	
GA03A-4	GA03A-5	GA03A-4	A1	5.09	25.00	12.50	63.625	126.375
36600.00	36625.00	GA03A-5	A1	5.01	25.00	12.50	62.625	
GA03A-5	GA03A-6	GA03A-5	A1	5.01	25.00	12.50	62.625	126.250
36625.00	36650.00	GA03A-6	A1	5.09	25.00	12.50	63.625	
GA03A-6	GA03A-7	GA03A-6	A1	5.09	25.00	12.50	63.625	126.250
36650.00	36675.00	GA03A-7	A1	5.05	25.00	12.50	63.125	
GA03A-7	GA03A-8	GA03A-7	A1	5.05	25.00	12.50	63.125	126.750
36675.00	36700.00	GA03A-8	A1	5.03	25.00	12.50	62.875	
GA03A-8	GA03A-9	GA03A-8	A1	5.03	14.22	7.11	35.763	126.000
36700.00	36714.22	GA03A-9	A1	5.10	14.22	7.11	36.261	
								72.024
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO		880.639	

COMPUTO DEI VOLUMI		Foglio n.	4
Volume dalla sezione GA03A-1 alla sezione TR07A-1			
ARTICOLO			VOLUME
A	BALLAST	mc	880.639

BALLAST		CALCOLO DELLE AREE	Foglio n. 1		
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
GA03B-1 186234.88	A1	(-5.28--5.90)x(52.02+52.02)/2 (-5.00--5.28)x(52.03+52.02)/2 (-4.56--5.00)x(52.01+52.03)/2 (-3.44--4.56)x(52.01+52.01)/2 (-3.00--3.44)x(52.03+52.01)/2 (-2.72--3.00)x(52.02+52.03)/2 (-2.48--2.72)x(52.02+52.02)/2 (-1.52--2.48)x(52.02+52.02)/2 (-1.28--1.52)x(52.02+52.02)/2 (-1.00--1.28)x(52.03+52.02)/2 (-0.56--1.00)x(52.01+52.03)/2 (0.56--0.56)x(52.01+52.01)/2 (1.00--0.56)x(52.03+52.01)/2 (1.28--1.00)x(52.02+52.03)/2 (1.90--1.28)x(52.02+52.02)/2 (1.85--1.90)x(51.46+51.51)/2 (-2.00--1.85)x(51.34+51.46)/2 (-5.85--2.00)x(51.46+51.34)/2 (-5.90--5.85)x(51.51+51.46)/2	32.25 14.57 22.89 58.25 22.89 14.57 12.48 49.94 12.48 14.57 22.89 58.25 22.89 14.57 32.25 -2.57 -197.89 -197.89 -2.57		
GA03B-2 186253.02	A1	(-5.28--5.90)x(51.98+51.98)/2 (-5.00--5.28)x(51.99+51.98)/2 (-4.56--5.00)x(51.97+51.99)/2 (-3.44--4.56)x(51.97+51.97)/2 (-3.00--3.44)x(51.99+51.97)/2 (-2.72--3.00)x(51.98+51.99)/2 (-2.48--2.72)x(51.98+51.98)/2 (-1.52--2.48)x(51.98+51.98)/2 (-1.28--1.52)x(51.98+51.98)/2 (-1.00--1.28)x(51.99+51.98)/2 (-0.56--1.00)x(51.97+51.99)/2 (0.56--0.56)x(51.97+51.97)/2 (1.00--0.56)x(51.99+51.97)/2 (1.28--1.00)x(51.98+51.99)/2 (1.90--1.28)x(51.98+51.98)/2 (1.85--1.90)x(51.42+51.48)/2 (-2.00--1.85)x(51.31+51.42)/2 (-5.85--2.00)x(51.42+51.31)/2 (-5.90--5.85)x(51.47+51.42)/2	32.23 14.56 22.87 58.21 22.87 14.56 12.48 49.90 12.48 14.56 22.87 58.21 22.87 14.56 32.23 -2.57 -197.76 -197.76 -2.57	4.82	
GA03B-3 186278.02	A1	(-5.28--5.90)x(51.93+51.93)/2 (-5.00--5.28)x(51.94+51.93)/2 (-4.56--5.00)x(51.92+51.94)/2 (-3.44--4.56)x(51.92+51.92)/2 (-3.00--3.44)x(51.94+51.92)/2 (-2.72--3.00)x(51.93+51.94)/2 (-2.48--2.72)x(51.93+51.93)/2 (-1.52--2.48)x(51.93+51.93)/2 (-1.28--1.52)x(51.93+51.93)/2 (-1.00--1.28)x(51.94+51.93)/2 (-0.56--1.00)x(51.92+51.94)/2 (0.56--0.56)x(51.92+51.92)/2 (1.00--0.56)x(51.94+51.92)/2 (1.28--1.00)x(51.93+51.94)/2 (1.90--1.28)x(51.93+51.93)/2 (1.85--1.90)x(51.37+51.43)/2 (-2.00--1.85)x(51.26+51.37)/2 (-5.85--2.00)x(51.37+51.26)/2 (-5.90--5.85)x(51.43+51.37)/2	32.20 14.54 22.85 58.15 22.85 14.54 12.46 49.85 12.46 14.54 22.85 58.15 22.85 14.54 32.20 -2.57 -197.56 -197.56 -2.57	4.80	
GA03B-4 186303.02	A1	(-5.28--5.90)x(51.88+51.88)/2 (-5.00--5.28)x(51.89+51.88)/2 (-4.56--5.00)x(51.87+51.89)/2 (-3.44--4.56)x(51.87+51.87)/2 (-3.00--3.44)x(51.89+51.87)/2 (-2.72--3.00)x(51.88+51.89)/2 (-2.48--2.72)x(51.88+51.88)/2 (-1.52--2.48)x(51.88+51.88)/2 (-1.28--1.52)x(51.88+51.88)/2 (-1.00--1.28)x(51.89+51.88)/2 (-0.56--1.00)x(51.87+51.89)/2 (0.56--0.56)x(51.87+51.87)/2 (1.00--0.56)x(51.89+51.87)/2 (1.28--1.00)x(51.88+51.89)/2 (1.90--1.28)x(51.88+51.88)/2 (1.85--1.90)x(51.33+51.38)/2 (-2.00--1.85)x(51.21+51.33)/2 (-5.85--2.00)x(51.33+51.21)/2 (-5.90--5.85)x(51.38+51.33)/2	32.17 14.53 22.83 58.09 22.83 14.53 12.45 49.80 12.45 14.53 22.83 58.09 22.83 14.53 32.17 -2.57 -197.39 -197.39 -2.57	4.77	
GA03B-5 186328.02	A1	(-5.28--5.90)x(51.83+51.83)/2 (-5.00--5.28)x(51.85+51.83)/2 (-4.56--5.00)x(51.82+51.85)/2 (-3.44--4.56)x(51.82+51.82)/2 (-3.00--3.44)x(51.85+51.82)/2 (-2.72--3.00)x(51.83+51.85)/2 (-2.48--2.72)x(51.83+51.83)/2 (-1.52--2.48)x(51.83+51.83)/2 (-1.28--1.52)x(51.83+51.83)/2 (-1.00--1.28)x(51.85+51.83)/2 (-0.56--1.00)x(51.82+51.85)/2 (0.56--0.56)x(51.82+51.82)/2 (1.00--0.56)x(51.85+51.82)/2 (1.28--1.00)x(51.83+51.85)/2 (1.90--1.28)x(51.83+51.83)/2 (1.85--1.90)x(51.28+51.33)/2 (-2.00--1.85)x(51.16+51.28)/2 (-5.85--2.00)x(51.28+51.16)/2 (-5.90--5.85)x(51.33+51.28)/2	32.13 14.52 22.81 58.04 22.81 14.52 12.44 49.76 12.44 14.52 22.81 58.04 22.81 14.52 32.13 -2.57 -197.20 -197.20 -2.57	4.74	
GA03B-6 186353.02	A1	(-5.28--5.90)x(51.78+51.78)/2 (-5.00--5.28)x(51.80+51.78)/2 (-4.56--5.00)x(51.77+51.80)/2 (-3.44--4.56)x(51.77+51.77)/2 (-3.00--3.44)x(51.80+51.77)/2 (-2.72--3.00)x(51.78+51.80)/2	32.10 14.50 22.79 57.98 22.79 14.50	4.76	
A RIPORTARE mq			164.66		

		CALCOLO DELLE AREE	Foglio n. 2		
BALLAST					
N. SEZIONE PROG.	FIG.	ELEMENTI DI CALCOLO	AREA ELEMENTARE mq	AREA FIGURA mq	NOTE
RIPORTO mq			164.66		
GA03B-7 186378.02	A1	$(-2.48--2.72) \times (51.78+51.78) / 2$	12.43		
		$(-1.52--2.48) \times (51.78+51.78) / 2$	49.71		
		$(-1.28--1.52) \times (51.78+51.78) / 2$	12.43		
		$(-1.00--1.28) \times (51.80+51.78) / 2$	14.50		
		$(-0.56--1.00) \times (51.77+51.80) / 2$	22.79		
		$(0.56--0.56) \times (51.77+51.77) / 2$	57.98		
		$(1.00--0.56) \times (51.80+51.77) / 2$	22.79		
		$(1.28--1.00) \times (51.78+51.80) / 2$	14.50		
		$(1.90--1.28) \times (51.78+51.78) / 2$	32.10		
		$(1.85--1.90) \times (51.23+51.28) / 2$	-2.56		
		$(-2.00--1.85) \times (51.11+51.23) / 2$	-197.00		
		$(-5.85--2.00) \times (51.23+51.11) / 2$	-197.00		
		$(-5.90--5.85) \times (51.28+51.23) / 2$	-2.56		
		$(-5.28--5.90) \times (51.73+51.73) / 2$	32.07		4.77
		$(-5.00--5.28) \times (51.75+51.73) / 2$	14.49		
		$(-4.56--5.00) \times (51.73+51.75) / 2$	22.77		
		$(-3.44--4.56) \times (51.73+51.73) / 2$	57.94		
$(-3.00--3.44) \times (51.75+51.73) / 2$	22.77				
$(-2.72--3.00) \times (51.73+51.75) / 2$	14.49				
$(-2.48--2.72) \times (51.73+51.73) / 2$	12.42				
$(-1.52--2.48) \times (51.73+51.73) / 2$	49.66				
$(-1.28--1.52) \times (51.73+51.73) / 2$	12.42				
$(-1.00--1.28) \times (51.75+51.73) / 2$	14.49				
$(-0.56--1.00) \times (51.73+51.75) / 2$	22.77				
$(0.56--0.56) \times (51.73+51.73) / 2$	57.94				
$(1.00--0.56) \times (51.75+51.73) / 2$	22.77				
$(1.28--1.00) \times (51.73+51.75) / 2$	14.49				
$(1.90--1.28) \times (51.73+51.73) / 2$	32.07				
$(1.85--1.90) \times (51.18+51.23) / 2$	-2.56				
$(-2.00--1.85) \times (51.06+51.18) / 2$	-196.81				
$(-5.85--2.00) \times (51.18+51.06) / 2$	-196.81				
$(-5.90--5.85) \times (51.23+51.18) / 2$	-2.56				
GA03B-8 186403.02	A1	$(-5.28--5.90) \times (51.68+51.68) / 2$	32.04		4.82
		$(-5.00--5.28) \times (51.70+51.68) / 2$	14.47		
		$(-4.56--5.00) \times (51.68+51.70) / 2$	22.74		
		$(-3.44--4.56) \times (51.68+51.68) / 2$	57.88		
		$(-3.00--3.44) \times (51.70+51.68) / 2$	22.74		
		$(-2.72--3.00) \times (51.68+51.70) / 2$	14.47		
		$(-2.48--2.72) \times (51.68+51.68) / 2$	12.40		
		$(-1.52--2.48) \times (51.68+51.68) / 2$	49.61		
		$(-1.28--1.52) \times (51.68+51.68) / 2$	12.40		
		$(-1.00--1.28) \times (51.70+51.68) / 2$	14.47		
		$(-0.56--1.00) \times (51.68+51.70) / 2$	22.74		
		$(0.56--0.56) \times (51.68+51.68) / 2$	57.88		
		$(1.00--0.56) \times (51.70+51.68) / 2$	22.74		
		$(1.28--1.00) \times (51.68+51.70) / 2$	14.47		
		$(1.90--1.28) \times (51.68+51.68) / 2$	32.04		
		$(1.85--1.90) \times (51.13+51.18) / 2$	-2.56		
		$(-2.00--1.85) \times (51.01+51.13) / 2$	-196.62		
$(-5.85--2.00) \times (51.13+51.01) / 2$	-196.62				
$(-5.90--5.85) \times (51.18+51.13) / 2$	-2.56				
GA03B-9 186414.87	A1	$(-5.28--5.90) \times (51.66+51.66) / 2$	32.03		4.73
		$(-5.00--5.28) \times (51.67+51.66) / 2$	14.47		
		$(-4.56--5.00) \times (51.65+51.67) / 2$	22.73		
		$(-3.44--4.56) \times (51.65+51.65) / 2$	57.85		
		$(-3.00--3.44) \times (51.67+51.65) / 2$	22.73		
		$(-2.72--3.00) \times (51.66+51.67) / 2$	14.47		
		$(-2.48--2.72) \times (51.66+51.66) / 2$	12.40		
		$(-1.52--2.48) \times (51.66+51.66) / 2$	49.59		
		$(-1.28--1.52) \times (51.66+51.66) / 2$	12.40		
		$(-1.00--1.28) \times (51.67+51.66) / 2$	14.47		
		$(-0.56--1.00) \times (51.65+51.67) / 2$	22.73		
		$(0.56--0.56) \times (51.65+51.65) / 2$	57.85		
		$(1.00--0.56) \times (51.67+51.65) / 2$	22.73		
		$(1.28--1.00) \times (51.66+51.67) / 2$	14.47		
		$(1.90--1.28) \times (51.66+51.66) / 2$	32.03		
		$(1.85--1.90) \times (51.11+51.16) / 2$	-2.56		
		$(-2.00--1.85) \times (50.99+51.11) / 2$	-196.54		
$(-5.85--2.00) \times (51.11+50.99) / 2$	-196.54				
$(-5.90--5.85) \times (51.16+51.11) / 2$	-2.56				
Il Direttore dei Lavori		L'Impresa			

		COMPUTO DEI VOLUMI				Foglio n. 3		
BALLAST								
DALLA SEZ. DA PROG.	ALLA SEZ. A PROG.	SEZIONE	FIGURA	AREA	DISTANZA SEZIONI m	DISTANZA DI CALCOLO m	VOLUME PARZIALE mc	VOLUME TOTALE mc
RI68B-27	GA03B-2	GA03B-2	A1	4.80	18.14	9.07	43.536	
GA03B-2	GA03B-3	GA03B-2	A1	4.80	25.00	12.50	60.000	43.536
186253.02	186278.02	GA03B-3	A1	4.77	25.00	12.50	59.625	
GA03B-3	GA03B-4	GA03B-3	A1	4.77	25.00	12.50	59.625	119.625
186278.02	186303.02	GA03B-4	A1	4.74	25.00	12.50	59.250	
GA03B-4	GA03B-5	GA03B-4	A1	4.74	25.00	12.50	59.250	118.875
186303.02	186328.02	GA03B-5	A1	4.76	25.00	12.50	59.500	
GA03B-5	GA03B-6	GA03B-5	A1	4.76	25.00	12.50	59.500	118.750
186328.02	186353.02	GA03B-6	A1	4.77	25.00	12.50	59.625	
GA03B-6	GA03B-7	GA03B-6	A1	4.77	25.00	12.50	59.625	119.125
186353.02	186378.02	GA03B-7	A1	4.82	25.00	12.50	60.250	
GA03B-7	GA03B-8	GA03B-7	A1	4.82	25.00	12.50	60.250	119.875
186378.02	186403.02	GA03B-8	A1	4.73	25.00	12.50	59.125	
GA03B-8	GA03B-9	GA03B-8	A1	4.73	11.85	5.93	28.049	119.375
186403.02	186414.87	GA03B-9	A1	4.75	11.85	5.93	28.167	
								56.216
Il Direttore dei Lavori		L'Impresa			TOTALE ARTICOLO			815.377

COMPUTO DEI VOLUMI		Foglio n.	4
Volume dalla sezione GA03B-1 alla sezione TR07B-1			
ARTICOLO			VOLUME
A	BALLAST	mc	815.377