HUB PORTUALE ravenna

Autorità di Sistema Portuale del Mare Adriatico centro settentrionale

PORTO DI RAVENNA

APPROFONDIMENTO CANALI CANDIANO E BAIONA, ADEGUAMENTO BANCHINE OPERATIVE ESISTENTI, NUOVO TERMINAL IN PENISOLA TRATTAROLI E RIUTILIZZO MATERIALE ESTRATTO IN ATTUAZIONE AL P.R.P VIGENTE 2007 - I FASE - PORTO DI RAVENNA

PROGETTO ESECUTIVO

oggetto
BA - BANCHINA "E" - "F" - "G" - "H" - TRATTAROLI SUD/NORD
ELABORATI GENERALI
ALLEGATO AL COMPUTO METRICO - ABACO QUANTITA' ARREDI, STRUTTURE E PAVIMENTAZIONI - BANCHINA "F"

file	codice	scala
1114-E-BAF-ETE-AB-01-2	1114-E-BAF-ETE-AB-01-2	-

Revisione	data	causale	redatto	verificato	approvato
0	28/07/2021	Prima emissione	V. Rinaldi	A. Longo	M. Di Stefano
1	15/09/2021	Emissione per approvazione	V. Rinaldi	A. Longo	M. Di Stefano
2	06/12/2021	Revisione per riscontro validazione	V. Rinaldi	A. Longo	M. Di Stefano

responsabile delle Integrazioni Specialistiche: **Ing. Lucia de Angelis**

responsabile del Procedimento: **Ing. Matteo Graziani**

committente

Autorità di Sistema Portuale del Mare Adriatico centro settentrionale

Autorità di Sistema Portuale del Mare Adriatico Centro Settentrionale
Via Antico Squero, 31
48122 Ravenna

contraente generale

Consorzio Stabile Grandi Lavori S.c.r.l.

Consorzio Stabile Grandi Lavori Scrl
Piazza del Popolo 18
00187 Roma

Dredging International

DEME - Dredging Interbnational NV
Haven 1025 - Scheldedijk 30
2070 Zwijndrecht - Belgium

progettisti

TECHNITAL

Technital S.p.A.
Via Carlo Cattaneo, 20
37121 Verona

Direttore Tecnico
Dott. Ing. Filippo Busola

F&M ingegneria

F&M Ingegenria SpA
Via Belvedere 8/10
30035 Mirano (VE)

Direttore Tecnico
Dott. Ing. Tommaso Tassi

SISPI engineering

SISPI srl
Via Filangieri 11
80121 Napoli

Direttore Tecnico
Dott. Ing. Marco Di Stefano

IfcGUID	Codice_Wbs	Oggetto	Tipologia	Ancoraggio	Diametro (mm)	Lunghezza (m)	Lunghezza_libera (m)	Lunghezza_ancoraggio (m)	Inclinazione (°)
1s8kPcS152d9djaS2smxQG	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqkcq	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg0D	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg7E	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg7G	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg7Q	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg7S	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg7c	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg7e	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg7o	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg7q	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg7_	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg60	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg6A	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg6C	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg6M	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg6O	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg6Y	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg6a	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg6k	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg6m	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg6w	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg6y	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg56	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg58	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqg5I	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgQw	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgQy	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgP6	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgP8	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgPI	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgPK	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgPU	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgPW	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgPg	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgPi	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgPq	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgP_	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgO0	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgOA	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgOC	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgOM	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgOO	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18

IfcGUID	Codice_Wbs	Oggetto	Tipologia	Ancoraggio	Diametro (mm)	Lunghezza (m)	Lunghezza_libera (m)	Lunghezza_ancoraggio (m)	Inclinazione (°)
23x$MAHrb9ABoZROUHqgOY	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgOa	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgVw	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgVy	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgU6	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgTN	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgTP	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgTZ	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgTb	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgTl	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgTn	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgTx	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgTz	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgS7	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgS9	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgSJ	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgSL	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgSV	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgSX	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgSh	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgSj	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgIe	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
23x$MAHrb9ABoZROUHqgIo	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
0cnQbQ0u9ClB1grGhai80U	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
3HR4AkhS13UOBVZq$$v4t7	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
3HR4AkhS13UOBVZq$$v4tq	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
3HR4AkhS13UOBVZq$$v4te	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
0yX5CVSi9Al8ucvgmu8N8B	BA-BAF-02-009	Tirante	Barra_perforante	Jet_grouting	90	35,5	18,5	17	18
Tirante: 71						**2520,5**			
Totale generale: 71									

IfcGUID	Codice_Wbs	Oggetto	Tipologia	Materiale	Classe_consistenza	Classe_esposizione	Area (m2)	Volume (m3)
0K232m7gHFNAnoVzAaFzC6	BA-BAF-06-022	Magrone	Gettato_in_opera	Calcestruzzo, C 12/15	S4	XS3	3418,51	341,85
Magrone: 1							**3418,51**	**341,85**
0K232m7gHFNAnoVzAaFzwa	BA-BAF-06-022	Platea_di_fondazione	Gettato_in_opera	Calcestruzzo, C 35/45	S4	XS3	3555,46	3555,46
Platea_di_fondazione: 1							**3555,46**	**3555,46**
Totale generale: 2								

IfcGUID	Codice_Wbs	Oggetto	Tipologia	Materiale	Classe_resistenza	Classe_consistenza	Classe_esposizione	Lunghezza (m)	Diametro (mm)	Volume (m3)
1zjyFxy5DBlgyc5ut$FFcY	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
1zjyFxy5DBlgyc5ut$FFbn	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
1zjyFxy5DBlgyc5ut$FFbP	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
1zjyFxy5DBlgyc5ut$FFal	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
1zjyFxy5DBlgyc5ut$FFxp	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
1zjyFxy5DBlgyc5ut$FFwd	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
1zjyFxy5DBlgyc5ut$FFwg	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
1zjyFxy5DBlgyc5ut$FFwe	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
1zjyFxy5DBlgyc5ut$FFwk	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
1zjyFxy5DBlgyc5ut$FFwi	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlzO	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlzU	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlzS	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl$o	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl$m	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl$s	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl$A	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl$8	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl$E	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl$I	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl$G	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl$M	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl$Q	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl$O	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl$U	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_Y	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_W	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_c	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_g	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_e	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_k	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_o	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_m	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_s	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_w	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_u	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl__	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_2	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_0	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_6	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_A	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_8	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_E	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_I	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_G	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_M	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_Q	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_O	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYl_U	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlvY	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlvW	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlvc	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlvg	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlve	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlvk	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlvo	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47

IfcGUID	Codice_Wbs	Oggetto	Tipologia	Materiale	Classe_resistenza	Classe_consistenza	Classe_esposizione	Lunghezza (m)	Diametro (mm)	Volume (m3)
3P$EO2Euj0sRfOAJ7OYlvm	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlvs	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlvw	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlvu	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlv_	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlv2	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlv0	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlv6	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlvA	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlv8	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlvE	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlvI	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlvG	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlvM	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlvQ	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlvO	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlvU	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYluY	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYluW	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYluc	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlug	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlue	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYluk	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYluo	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlum	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlus	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYluw	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYluu	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlu_	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlu2	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlu0	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlu6	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYluA	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlu8	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYluE	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYluI	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYluG	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYluM	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYluQ	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYluO	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYluU	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxY	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxW	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxc	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxg	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxe	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxk	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxo	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxm	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxs	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxw	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxu	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlx_	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlx2	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlx0	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlx6	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxA	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47

IfcGUID	Codice_Wbs	Oggetto	Tipologia	Materiale	Classe_resistenza	Classe_consistenza	Classe_esposizione	Lunghezza (m)	Diametro (mm)	Volume (m3)
3P$EO2Euj0sRfOAJ7OYlx8	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxE	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxI	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxG	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxM	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxQ	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxO	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlxU	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlwY	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlwW	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlwc	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlwg	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlwe	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlwk	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlwo	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlwm	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlws	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlww	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlwu	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlw_	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlw2	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlw0	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlw6	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlwA	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlw8	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlwE	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlwI	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlwG	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlwM	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlwQ	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlwO	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlwU	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlrY	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlrW	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlrc	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlrg	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlre	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlrk	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlro	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlrm	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlrs	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlrw	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlru	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlr_	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlr2	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlr0	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlr6	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlrA	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlr8	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlrE	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlrI	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlrG	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlrM	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlrQ	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlrO	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlrU	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlqY	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47

IfcGUID	Codice_Wbs	Oggetto	Tipologia	Materiale	Classe_resistenza	Classe_consistenza	Classe_esposizione	Lunghezza (m)	Diametro (mm)	Volume (m3)
3P$EO2Euj0sRfOAJ7OYlqW	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlqc	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlqg	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlqe	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlqk	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlqo	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlqm	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlqs	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlqw	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlqu	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlq_	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlq2	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlq0	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlq6	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlqA	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlq8	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlqE	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlqI	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlqG	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlqM	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlqQ	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlqO	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlqU	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYltY	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYltW	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYltc	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYltg	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlte	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYltk	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlto	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYltm	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3P$EO2Euj0sRfOAJ7OYlts	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,47
3HR4AkhS13UOBVZq$$v4wp	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,39
3HR4AkhS13UOBVZq$$v4x6	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,39
3HR4AkhS13UOBVZq$$v4xp	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,39
3HR4AkhS13UOBVZq$$v4uQ	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,39
3HR4AkhS13UOBVZq$$v4uO	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,39
3HR4AkhS13UOBVZq$$v4uM	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,39
3HR4AkhS13UOBVZq$$v4uj	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,39
3HR4AkhS13UOBVZq$$v4uh	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,39
3HR4AkhS13UOBVZq$$v4uf	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,39
3HR4AkhS13UOBVZq$$v4vP	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,39
3HR4AkhS13UOBVZq$$v4vN	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,39
3HR4AkhS13UOBVZq$$v4vL	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,39
3HR4AkhS13UOBVZq$$v4va	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,39
3HR4AkhS13UOBVZq$$v4sJ	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,39
09MelsGrv5$uk7iA1Syj04	BA-BAF-02-005	Palo	Trivellato	Calcestruzzo	C35/45	S4	XS3	36,25	1000	28,39
Palo: 217								**7866,25**		**6176,79**
Totale generale: 217										

IfcGUID	Wbs	Oggetto	Materiale	Area (m2)	Volume (m3)	Spessore (m)
3P$EO2Euj0sRfOAJ7OYiD9	BA-BAF-11-003	Base_stradale	Asfalto, Bitume	4263	2131,34	0,5
Asfalto, Bitume: 1				**4263**	**2131,34**	
Totale generale: 1						

Autorità di Sistema Portuale del Mare Adriatico centro settentrionale

HUB Portuale di Ravenna

PORTO DI RAVENNA

Approfondimento canali Candiano e Baiona, adeguamento banchine operative esistenti, nuovo terminal in Penisola Trattaroli e riutilizzo del materiale estratto in attuazione al P.R.P. vigente 2007- 1° e 2° stralcio

Codice WBS: **BA-BAF-02-005**

dove:

BA	-	**BANCHINE**
BAF	-	**BANCHINA TRATTAROLI SUD (Cantiere F)**
02	-	***Fondazioni profonde***
005	-	*Pali*

Riferimento elaborato: **1114-E-BAF-STR-CA-03-1**

Oggetto: Pali diam. 1000

TABELLA FERRI - ALLEGATO A

ACCIAIO				DIAMETRO													QUANTITA'
posizione	n°	diam.	sv. (m)	6	8	10	12	14	16	18	20	22	24	26	28	30	parziali (kg)
1	32	20	4,05	-	-	-	-	-	-	-	129,60	-	-	-	-	-	319,59
1	32	20	12,00	-	-	-	-	-	-	-	384,00	-	-	-	-	-	946,94
1	32	20	12,00	-	-	-	-	-	-	-	384,00	-	-	-	-	-	946,94
1	32	20	12,00	-	-	-	-	-	-	-	384,00	-	-	-	-	-	946,94
2 spirale	1	12	36,25	-	-	-	12,92	-	-	-	-	-	-	-	-	-	468,32
spirale finale/iniziale	1	12															16,12
3	37	20	3,05	-	-	-	-	-	-	-	112,92	-	-	-	-	-	278,47
				-	-	-	-	-	-	-	-	-	-	-	-	-	0,00
				-	-	-	-	-	-	-	-	-	-	-	-	-	0,00
				-	-	-	-	-	-	-	-	-	-	-	-	-	0,00
				-	-	-	-	-	-	-	-	-	-	-	-	-	0,00
				-	-	-	-	-	-	-	-	-	-	-	-	-	0,00
				-	-	-	-	-	-	-	-	-	-	-	-	-	0,00
				-	-	-	-	-	-	-	-	-	-	-	-	-	0,00
				-	-	-	-	-	-	-	-	-	-	-	-	-	0,00
				-	-	-	-	-	-	-	-	-	-	-	-	-	0,00
				-	-	-	-	-	-	-	-	-	-	-	-	-	0,00
				-	-	-	-	-	-	-	-	-	-	-	-	-	0,00
				-	-	-	-	-	-	-	-	-	-	-	-	-	0,00
				-	-	-	-	-	-	-	-	-	-	-	-	-	0,00
m per diametro				0,00	0,00	0,00	12,92	0,00	0,00	0,00	1 394,52	0,00	0,00	0,00	0,00	0,00	
peso kg/m				0,222	0,395	0,617	0,888	1,208	1,578	1,998	2,466	2,984	3,551	4,168	4,834	5,549	3 923,34
kg per diametro				0,00	0,00	0,00	11,47	0,00	0,00	0,00	3438,90	0,00	0,00	0,00	0,00	0,00	
																Totale kg/palo	**3 930,00**

Autorità di Sistema Portuale del Mare Adriatico centro settentrionale

HUB Portuale di Ravenna

PORTO DI RAVENNA

Approfondimento canali Candiano e Baiona, adeguamento banchine operative esistenti, nuovo terminal in Penisola Trattaroli e riutilizzo del materiale estratto in attuazione al P.R.P. vigente 2007- 1° e 2° stralcio

Codice WBS: BA-BAF-06-022

dove:

BA	-	**BANCHINE**
BAF	-	**BANCHINA TRATTAROLI SUD (Cantiere F)**
06	-	***Opere in c.a.***
022	-	*Piattaforma di banchina*

Riferimento elaborato: 1114-E-BAF-STR-CA-01/02-1

Oggetto: **Piattaforma di banchina**

TABELLA FERRI - ALLEGATO A

ACCIAIO				DIAMETRO													QUANTITA'
posizione	n°	diam.	sv. (m)	6	8	10	12	14	16	18	20	22	24	26	28	30	parziali (kg)
1	71	24	25,20	-	-	-	-	-	-	-	-	-	1789,20	-	-	-	6 353,91
2	126	24	16,70	-	-	-	-	-	-	-	-	-	2104,20	-	-	-	7 472,55
3 (cavallotti)	364	14	2,40	-	-	-	-	873,60	-	-	-	-	-	-	-	-	1 055,67
4	126	24	16,70	-	-	-	-	-	-	-	-	-	2104,20	-	-	-	7 472,55
5 (sui pali)	15	24	25,20	-	-	-	-	-	-	-	-	-	378,00	-	-	-	1 342,37
6 (sui pali)	15	24	25,20	-	-	-	-	-	-	-	-	-	378,00	-	-	-	1 342,37
7	378	12	3,38	-	-	-	1277,64	-	-	-	-	-	-	-	-	-	1 134,31
7'	378	12	3,38	-	-	-	1277,64	-	-	-	-	-	-	-	-	-	1 134,31
8	213	12	3,44	-	-	-	732,72	-	-	-	-	-	-	-	-	-	650,52
8'	213	12	3,44	-	-	-	732,72	-	-	-	-	-	-	-	-	-	650,52
9	15	24	16,70	-	-	-	-	-	-	-	-	-	250,50	-	-	-	889,59
10	71	24	25,20	-	-	-	-	-	-	-	-	-	1789,20	-	-	-	6 353,91
11	15	24	16,70	-	-	-	-	-	-	-	-	-	250,50	-	-	-	889,59
				-	-	-	-	-	-	-	-	-	-	-	-	-	0,00
				-	-	-	-	-	-	-	-	-	-	-	-	-	0,00
				-	-	-	-	-	-	-	-	-	-	-	-	-	0,00
				-	-	-	-	-	-	-	-	-	-	-	-	-	0,00
				-	-	-	-	-	-	-	-	-	-	-	-	-	0,00
m per diametro				0,00	0,00	0,00	4 020,72	873,60	0,00	0,00	0,00	0,00	9 043,80	0,00	0,00	0,00	
peso kg/m				0,222	0,395	0,617	0,888	1,208	1,578	1,998	2,466	2,984	3,551	4,168	4,834	5,549	36 742,17
kg per diametro				0,00	0,00	0,00	3569,65	1055,67	0,00	0,00	0,00	0,00	32116,85	0,00	0,00	0,00	
													Incremento per legature staffaggi ecc.			5%	1 837,11
																Totale kg/modulo L=25,20 m	38 579,28
																Totale kg/mc	107,81