LISTATO DI CALCOLO – FASE 1

RICERCA SUPERFICIE CRITICA CIRCOLARE

Analisi di stabilità dei pendii con: JANBU (1956)

Lat./Long.	44.417087/9.129564
Normativa	NTC 2008
Numero di strati	3.0
Numero dei conci	10.0
Grado di sicurezza ritenuto accettabile	1.1
Coefficiente parziale resistenza	1.1
Analisi	Condizione drenata
Superficie di forma circolare	

Maglia dei Centri

Ascissa vertice sinistro inferiore xi	0.0 m
Ordinata vertice sinistro inferiore yi	80.0 m
Ascissa vertice destro superiore xs	160.0 m
Ordinata vertice destro superiore ys	350.0 m
Passo di ricerca	10.0
Numero di celle lungo x	20.0
Numero di celle lungo y	20.0

Coefficienti sismici [N.T.C.]

Dati generali

Tipo opera:	2 - Opere ordinarie
Classe d'uso:	Classe II
Vita nominale:	50.0 [anni]
Vita di riferimento:	50.0 [anni]

Parametri sismici su sito di riferimento

Categoria sottosuolo:	C
Categoria topografica:	T3

S.L. Stato limite	TR Tempo ritorno [anni]	ag [m/s²]	F0 [-]	TC* [sec]
S.L.O.	30.0	0.28	2.5	0.2
S.L.D.	50.0	0.35	2.55	0.22
S.L.V.	475.0	0.85	2.51	0.28
S.L.C.	975.0	1.13	2.48	0.29

Coefficienti sismici orizzontali e verticali

Opera: Stabilità dei pendii e Fondazioni

S.L. Stato limite	amax [m/s²]	beta [-]	kh [-]	kv [sec]
S.L.O.	0.504	0.2	0.0103	0.0051
S.L.D.	0.63	0.2	0.0128	0.0064
S.L.V.	1.53	0.2	0.0312	0.0156
S.L.C.	2.034	0.24	0.0498	0.0249

Coefficiente azione sismica orizzontale	0.0312
Coefficiente azione sismica verticale	0.015 6

Vertici profilo

N	X m	y m
1	0.0	0.0
2	5.02	2.5
3	10.01	2.0
4	15.11	1.47
5	16.36	1.44
6	18.66	2.93
7	21.06	7.15
8	22.59	7.61
9	26.5	8.1
10	32.75	9.52
11	40.67	11.99
12	40.78	12.48
13	44.43	12.48
14	44.43	18.48
15	61.04	24.74
16	67.46	24.74
17	67.46	28.74
18	67.51	28.74
19	71.75	31.66
20	75.51	31.66
21	75.76	32.31
22	78.83	32.31
23	78.83	36.31
24	83.49	38.64
25	88.14	38.73
26	88.17	38.8
27	91.9	38.8
28	91.9	42.8
29	95.26	44.2
30	103.27	44.2
31	103.27	48.2
32	115.54	50.26
33	121.1	50.26
34	121.47	51.0
35	124.03	51.0
36	124.03	55.0
37	131.76	58.51
38	140.51	58.51
39	140.51	62.51
40	145.87	64.54
41	152.55	64.54
42	193.09	64.54
43	193.09	65.24
44	194.09	65.24
45	200.34	67.49
46	203.83	67.49
47	203.83	70.09
48	204.83	70.09
49	211.16	72.53
50	214.58	72.53
51	214.58	75.13
52	215.58	75.13
53	221.76	77.58
54	225.19	77.58
55	225.19	80.18
56	226.19	80.18
57	232.35	82.54
58	235.79	82.54
59	235.79	85.14
60	236.79	85.14
61	242.59	87.91
62	246.31	87.87
63	246.38	90.51
64	247.41	90.51
65	252.88	92.62

66	254.69	92.62
67	254.7	95.22
68	255.7	95.22
69	261.93	97.54
70	265.24	97.54
71	265.24	100.14
72	266.24	100.14
73	272.02	102.54
74	276.14	102.54
75	276.14	105.14
76	277.14	105.14
77	282.79	107.56
78	287.09	107.56
79	287.09	110.16
80	288.09	110.16
81	296.09	112.54
82	299.97	112.54
83	299.97	115.14
84	300.97	115.14
85	307.85	117.6
86	315.6	117.6
87	315.6	120.2
88	316.6	120.2
89	324.51	122.58
90	329.47	122.58
91	329.47	125.18
92	330.47	125.18
93	339.18	127.6
94	344.88	127.6
95	344.88	130.2
96	345.88	130.2
97	355.93	132.19
98	355.93	132.19
99	433.8	133.0 2

Falda

Nr.	X (m)	y (m)
1	0.0	0.0
2	5.02	2.5
3	10.01	2.0
4	15.11	1.47
5	16.36	1.44
6	18.66	2.93
7	20.45	6.09
8	102.78	20.1
9	102.8	20.1
10	159.6	43.29
11	159.6	43.29
12	239.69	73.41
13	264.1	78.29
14	294.34	93.97
15	330.58	113.29
16	330.6	113.29
17	363.07	118.29
18	363.1	118.29
19	414.23	131.4 5

Vertici strato 1

N	X (m)	y (m)
1	0.0	0.0
2	5.02	2.5
3	5.02	2.5
4	10.01	2.0
5	15.11	1.47
6	16.36	1.44
7	18.66	2.93
8	21.06	7.15

9	22.59	7.61
10	26.5	8.1
11	32.75	9.52
12	42.61	12.6
13	48.71	13.21
14	53.26	14.02
15	58.12	15.53
16	64.29	17.64
17	70.5	18.02
18	81.13	21.02
19	93.9	23.5
20	101.03	24.85
21	109.98	30.03
22	118.88	31.91
23	128.0	36.58
24	139.9	40.13
25	142.92	40.79
26	159.6	43.29
27	172.1	48.29
28	184.1	53.29
29	192.1	58.29
30	200.1	63.29
31	216.6	68.29
32	239.1	73.29
33	264.1	78.29
34	274.1	83.29
35	284.1	88.29
36	292.6	93.29
37	300.6	98.29
38	308.1	103.29
39	318.1	108.29
40	330.6	113.29
41	363.1	118.29
42	370.6	123.29
43	375.1	128.29
44	375.1	128.29
45	375.1	128.29
46	433.8	133.02
47	433.8	133.0 2

Vertici strato 2

N	X (m)	y (m)
1	0.0	0.0
2	5.02	2.5
3	5.02	2.5
4	10.01	2.0
5	15.11	1.47
6	16.36	1.44
7	18.66	2.93
8	19.56	4.52
9	22.25	5.7
10	66.68	13.34
11	100.36	19.1
12	118.09	19.1
13	161.53	39.47
14	200.09	51.87
15	224.02	63.38
16	261.26	69.58
17	289.18	80.21
18	310.9	95.71
19	344.58	107.22
20	376.94	110.76
21	433.8	116.05

Coefficienti parziali per i parametri geotecnici del terreno

Tangente angolo di resistenza al taglio	1.25
Coesione efficace	1.25
Coesione non drenata	1.4
Riduzione parametri geotecnici terreno	Si

Stratigrafia

c: coesione; cu: coesione non drenata; Fi: Angolo di attrito; G: Peso Specifico; Gs: Peso Specifico Saturo; K: Modulo di Winkler

Strato	c (kg/cm²)	cu (kg/cm²)	Fi (°)	G (Kg/m³)	Gs (Kg/m³)	K (Kg/cm³)	Litologia	
1	0.0383		29.6	1837	2000	0.00		
2	0		26.51	1695	1800	0.00		
3	0.4352		33.31	2402	2500	0.00		

Muri di sostegno - Caratteristiche geometriche

N°	x (m)	y (m)	Base mensola a valle (m)	Base mensola a monte (m)	Altezza muro (m)	Spessore testa (m)	Spessore base (m)	Peso specifico (Kg/m³)
1	44.43	12.48	0	0	6	2	4	2800
2	67.46	24.74	0	0	4	3	4	2800
3	78.83	32.31	0	0	4	3	4	2800
4	91.9	38.8	0	0	4	3	4	2800
5	124.03	51	0	0	4	3	4	2800
6	140.51	58.51	0	0	4	3	4	2800
7	103.27	44.2	0	0	4	3	4	280 0

Pali...

N°	x (m)	y (m)	Diametro (m)	Lunghezza (m)	Inclinazione (°)	Interasse (m)
1	41.44008	10.97868	0.2	6	90	3.6
2	43.54914	10.97868	0.2	6	90	3.6
3	45.72998	18.96775	0.22	12	90	0.5
4	39.43412	11.61011	0.22	6	90	0.5

Risultati analisi pendio [NTC 2008: [A2+M2+R2]]

Fs minimo individuato	1.08
Ascissa centro superficie	144.0 m
Ordinata centro superficie	350.0 m
Raggio superficie	283.23 m

Numero di superfici esaminate....(602)

N°	Xo	Yo	Ro	Fs
1	12.0	86.8	79.0	1.55
2	24.0	80.0	66.9	2.70
3	28.0	86.8	81.8	1.62
4	32.0	80.0	75.6	1.62
5	40.0	80.0	67.2	1.12
6	44.0	86.8	81.8	1.51
7	48.0	80.0	67.2	1.15
8	52.0	86.8	72.9	1.21
9	56.0	80.0	50.5	1.16
10	60.0	86.8	55.0	1.38
11	64.0	80.0	58.9	1.49
12	68.0	86.8	72.6	1.33
13	72.0	80.0	67.2	1.48
14	76.0	86.8	72.9	1.57

15	80.0	80.0	67.2	1.42
16	84.0	86.8	64.0	1.45
17	88.0	80.0	58.9	1.35
18	92.0	86.8	63.7	1.43
19	96.0	80.0	58.9	1.41
20	100.0	86.8	64.0	1.52
21	104.0	80.0	58.9	1.47
22	108.0	86.8	55.1	1.81
23	112.0	80.0	42.1	1.88
24	116.0	86.8	64.0	2.04
25	120.0	80.0	33.7	1.80
26	124.0	86.8	45.6	2.00
27	128.0	80.0	42.1	2.06
28	132.0	86.8	27.9	1.15
29	136.0	80.0	42.0	2.49
30	140.0	86.8	27.6	1.79
31	144.0	80.0	75.6	3.10
32	148.0	86.8	81.7	2.41
33	152.0	80.0	67.2	2.65
34	156.0	86.8	64.0	2.87
35	160.0	80.0	75.6	2.75
36	8.0	93.5	84.5	20.00
37	28.0	100.3	83.3	20.00
38	32.0	93.5	87.8	1.56
39	36.0	100.3	93.8	1.50
40	40.0	93.5	87.8	1.54
41	44.0	100.3	83.4	1.43
42	48.0	93.5	78.2	1.32
43	52.0	100.3	83.4	1.41
44	60.0	100.3	83.4	1.30
45	64.0	93.5	78.2	1.21
46	72.0	93.5	78.2	1.34
47	76.0	100.3	83.4	1.22
48	80.0	93.5	78.1	1.37
49	84.0	100.3	83.4	1.45
50	88.0	93.5	78.2	1.49
51	92.0	100.3	83.4	1.56
52	96.0	93.5	68.5	1.58
53	100.0	100.3	93.8	2.05
54	104.0	93.5	58.5	1.85
55	108.0	100.3	73.0	1.71
56	112.0	93.5	68.5	1.64
57	116.0	100.3	73.0	1.92
58	120.0	93.5	49.2	1.87
59	124.0	100.3	41.8	1.99
60	128.0	93.5	49.2	2.23
61	132.0	100.3	62.6	2.36
62	136.0	93.5	58.9	2.32
63	140.0	100.3	62.6	2.67
64	144.0	93.5	87.8	2.32
65	148.0	100.3	93.8	2.64
66	152.0	93.5	78.2	2.83
67	156.0	100.3	83.4	2.24
68	160.0	93.5	68.3	2.89
69	8.0	107.0	96.6	20.00
70	28.0	113.8	105.6	1.25
71	32.0	107.0	100.0	1.48
72	44.0	113.8	106.1	1.55
73	48.0	107.0	88.9	1.49
74	52.0	113.8	82.8	1.61
75	56.0	107.0	100.0	1.57
76	60.0	113.8	106.1	1.60
77	64.0	107.0	100.0	1.59

78	68.0	113.8	94.3	1.30
79	72.0	107.0	88.9	1.24
80	76.0	113.8	94.4	1.32
81	80.0	107.0	88.8	1.33
82	84.0	113.8	94.4	1.38
83	88.0	107.0	88.9	1.42
84	96.0	107.0	100.0	2.09
85	100.0	113.8	94.4	1.69
86	104.0	107.0	77.7	1.71
87	108.0	113.8	82.8	1.85
88	112.0	107.0	77.9	1.96
89	116.0	113.8	82.8	2.06
90	120.0	107.0	55.8	1.83
91	124.0	113.8	71.0	2.26
92	128.0	107.0	55.8	2.16
93	132.0	113.8	106.1	2.18
94	136.0	107.0	100.0	2.10
95	140.0	113.8	94.4	2.22
96	144.0	107.0	66.8	3.21
97	148.0	113.8	106.1	1.95
98	152.0	107.0	100.0	1.98
99	156.0	113.8	106.1	2.29
100	160.0	107.0	88.9	2.42
101	8.0	120.5	108.7	20.00
102	36.0	127.3	118.2	1.41
103	40.0	120.5	112.1	1.53
104	48.0	120.5	99.7	1.57
105	52.0	127.3	118.2	1.46
106	56.0	120.5	99.7	1.44
107	60.0	127.3	118.2	1.53
108	64.0	120.5	99.7	1.37
109	68.0	127.3	105.0	1.49
110	72.0	120.5	99.7	1.42
111	76.0	127.3	105.1	1.46
112	80.0	120.5	99.6	1.44
113	84.0	127.3	92.0	1.81
114	88.0	120.5	87.2	1.67
115	92.0	127.3	105.1	1.43
116	96.0	120.5	99.7	1.42
117	100.0	127.3	105.1	1.50
118	104.0	120.5	99.6	1.87
119	108.0	127.3	105.1	2.00
120	112.0	120.5	74.8	2.01
121	116.0	127.3	118.2	2.36
122	120.0	120.5	62.4	1.69
123	124.0	127.3	105.1	2.20
124	128.0	120.5	112.1	2.17
125	132.0	127.3	118.2	2.22
126	136.0	120.5	112.1	2.15
127	140.0	127.3	118.2	1.98
128	148.0	127.3	92.0	2.84
129	152.0	120.5	99.7	2.16
130	156.0	127.3	118.2	2.16
131	160.0	120.5	99.7	2.32
132	20.0	140.8	128.8	1.44
133	28.0	140.8	116.5	2.04
134	32.0	134.0	110.6	2.32
135	44.0	140.8	130.4	1.40
136	48.0	134.0	124.4	1.48
137	52.0	140.8	130.9	1.50
138	56.0	134.0	124.4	1.51
139	60.0	140.8	103.9	1.87
140	68.0	140.8	116.0	1.46

141	72.0	134.0	124.4	1.68
142	76.0	140.8	130.7	1.85
143	80.0	134.0	124.2	1.88
144	84.0	140.8	116.6	1.47
145	88.0	134.0	110.8	1.47
146	92.0	140.8	116.0	1.53
147	96.0	134.0	110.8	1.49
148	100.0	140.8	116.3	1.66
149	104.0	134.0	110.5	1.83
150	108.0	140.8	102.4	2.06
151	112.0	134.0	83.5	1.91
152	116.0	140.8	101.5	2.38
153	120.0	134.0	97.1	2.31
154	124.0	140.8	116.0	2.28
155	128.0	134.0	110.8	2.10
156	132.0	140.8	130.5	1.90
157	136.0	134.0	124.4	1.82
158	140.0	140.8	101.8	2.15
159	144.0	134.0	124.4	2.11
160	148.0	140.8	103.3	2.36
161	152.0	134.0	124.4	2.12
162	156.0	140.8	117.5	2.02
163	160.0	134.0	124.4	2.10
164	4.0	154.3	141.1	1.40
165	8.0	147.5	134.5	20.00
166	20.0	154.3	142.2	1.40
167	24.0	147.5	136.0	1.30
168	28.0	154.3	128.9	1.71
169	32.0	147.5	123.5	2.32
170	36.0	154.3	128.5	2.88
171	40.0	147.5	136.9	1.38
172	60.0	154.3	128.4	1.52
173	64.0	147.5	122.2	1.48
174	68.0	154.3	126.8	1.60
175	72.0	147.5	121.4	1.54
176	76.0	154.3	126.9	1.64
177	80.0	147.5	121.3	1.60
178	84.0	154.3	127.3	1.55
179	88.0	147.5	122.3	1.51
180	92.0	154.3	126.9	1.60
181	96.0	147.5	121.7	1.66
182	100.0	154.3	127.4	1.74
183	104.0	147.5	121.3	1.72
184	108.0	154.3	142.7	2.30
185	112.0	147.5	122.5	2.20
186	116.0	154.3	143.0	2.25
187	120.0	147.5	121.4	2.26
188	124.0	154.3	95.5	2.06
189	128.0	147.5	136.6	1.90
190	132.0	154.3	143.1	2.14
191	136.0	147.5	121.4	2.16
192	140.0	154.3	142.4	2.00
193	144.0	147.5	136.6	2.03
194	148.0	154.3	112.7	1.95
195	152.0	147.5	123.3	2.02
196	156.0	154.3	129.5	1.96
197	160.0	147.5	137.2	2.12
198	32.0	161.0	134.1	1.59
199	44.0	167.8	154.7	1.19
200	52.0	167.8	155.2	1.38
201	56.0	161.0	134.1	1.69
202	60.0	167.8	139.2	1.70
203	64.0	161.0	149.0	1.52

204	68.0	167.8	137.6	1.77
205	72.0	161.0	132.6	1.67
206	76.0	167.8	137.7	1.65
207	80.0	161.0	132.1	1.65
208	84.0	167.8	138.1	1.72
209	88.0	161.0	133.1	1.64
210	92.0	167.8	154.7	2.21
211	96.0	161.0	132.5	1.75
212	100.0	167.8	155.1	2.17
213	104.0	161.0	148.6	2.03
214	108.0	167.8	138.0	1.81
215	112.0	161.0	132.6	2.08
216	116.0	167.8	154.9	2.01
217	120.0	161.0	132.8	2.19
218	124.0	167.8	137.7	2.22
219	128.0	161.0	148.8	2.11
220	132.0	167.8	138.4	1.88
221	136.0	161.0	149.1	2.08
222	140.0	167.8	154.8	1.84
223	144.0	161.0	132.2	2.19
224	148.0	167.8	137.7	2.00
225	152.0	161.0	117.9	1.94
226	156.0	167.8	155.5	2.03
227	160.0	161.0	150.0	2.05
228	4.0	181.3	167.3	2.42
229	16.0	174.5	160.7	1.57
230	24.0	174.5	160.7	1.40
231	32.0	174.5	161.0	1.30
232	36.0	181.3	149.8	2.08
233	40.0	174.5	144.0	2.12
234	44.0	181.3	148.6	3.61
235	48.0	174.5	160.9	1.22
236	52.0	181.3	167.3	1.22
237	64.0	174.5	161.2	1.52
238	68.0	181.3	166.9	1.50
239	72.0	174.5	160.9	1.80
240	76.0	181.3	167.2	1.94
241	84.0	181.3	148.8	1.85
242	88.0	174.5	161.2	2.20
243	92.0	181.3	148.5	2.02
244	96.0	174.5	125.7	2.12
245	100.0	181.3	149.2	1.93
246	104.0	174.5	143.0	1.99
247	108.0	181.3	148.8	2.06
248	112.0	174.5	143.5	1.94
249	116.0	181.3	148.9	1.85
250	120.0	174.5	143.5	1.99
251	124.0	181.3	148.5	2.17
252	128.0	174.5	143.0	2.01
253	132.0	181.3	166.7	1.82
254	136.0	174.5	126.7	3.46
255	140.0	181.3	166.9	1.78
256	144.0	174.5	143.2	2.04
257	148.0	181.3	149.0	1.94
258	152.0	174.5	143.3	1.94
259	156.0	181.3	167.1	1.99
260	160.0	174.5	127.9	1.77
261	4.0	194.8	179.5	6.69
262	20.0	194.8	178.8	1.58
263	28.0	194.8	178.9	1.43
264	32.0	188.0	173.0	1.33
265	36.0	194.8	179.2	1.40
266	40.0	188.0	173.4	1.30

267	44.0	194.8	159.4	3.92
268	48.0	188.0	173.0	1.26
269	52.0	194.8	179.5	1.29
270	56.0	188.0	173.8	1.27
271	60.0	194.8	179.8	1.34
272	64.0	188.0	154.7	1.88
273	68.0	194.8	179.0	1.42
274	72.0	188.0	173.1	1.57
275	76.0	194.8	160.0	1.94
276	80.0	188.0	153.8	1.90
277	84.0	194.8	178.9	2.00
278	88.0	188.0	154.6	1.98
279	92.0	194.8	179.1	1.99
280	96.0	188.0	173.0	1.97
281	100.0	194.8	160.0	2.10
282	104.0	188.0	172.9	2.15
283	108.0	194.8	179.2	1.91
284	112.0	188.0	173.5	1.87
285	116.0	194.8	161.0	1.90
286	120.0	188.0	154.2	2.10
287	124.0	194.8	139.7	4.47
288	128.0	188.0	173.0	1.91
289	132.0	194.8	179.3	1.76
290	136.0	188.0	153.9	2.25
291	140.0	194.8	159.4	2.12
292	144.0	188.0	173.0	1.83
293	148.0	194.8	160.2	1.87
294	152.0	188.0	135.3	2.49
295	156.0	194.8	159.4	1.79
296	160.0	188.0	154.5	1.78
297	36.0	208.3	191.2	1.47
298	40.0	201.5	185.5	1.41
299	44.0	208.3	191.2	1.35
300	48.0	201.5	185.1	1.29
301	52.0	208.3	191.6	1.34
302	56.0	201.5	185.9	1.35
303	60.0	208.3	192.0	1.38
304	64.0	201.5	185.5	1.38
305	68.0	208.3	170.2	2.12
306	72.0	201.5	185.2	1.65
307	76.0	208.3	191.5	1.88
308	80.0	201.5	185.0	2.08
309	84.0	208.3	191.3	2.02
310	88.0	201.5	164.8	2.20
311	96.0	201.5	185.2	2.07
312	104.0	201.5	185.1	1.95
313	108.0	208.3	191.3	1.88
314	124.0	208.3	191.2	1.81
315	128.0	201.5	164.8	1.96
316	132.0	208.3	170.4	1.77
317	136.0	201.5	185.3	1.87
318	140.0	208.3	191.2	1.80
319	152.0	201.5	146.4	2.68
320	156.0	208.3	171.3	1.70
321	160.0	201.5	164.6	1.70
322	24.0	215.0	196.9	1.54
323	40.0	215.0	197.4	1.49
324	44.0	221.8	203.4	1.43
325	48.0	215.0	197.3	1.34
326	52.0	221.8	181.8	2.77
327	56.0	215.0	198.1	1.40
328	64.0	215.0	197.7	1.40
329	68.0	221.8	203.4	1.49

330	72.0	215.0	197.3	1.59
331	76.0	221.8	203.7	1.56
332	80.0	215.0	175.4	2.13
333	84.0	221.8	181.2	2.27
334	88.0	215.0	197.2	1.93
335	92.0	221.8	203.3	2.11
336	96.0	215.0	197.3	2.01
337	100.0	221.8	203.7	1.67
338	104.0	215.0	175.5	2.46
339	108.0	221.8	181.1	2.59
340	112.0	215.0	176.5	2.31
341	116.0	221.8	182.6	2.10
342	120.0	215.0	176.4	1.97
343	124.0	221.8	203.4	1.74
344	128.0	215.0	197.3	1.77
345	132.0	221.8	159.8	4.74
346	136.0	215.0	154.1	4.26
347	140.0	221.8	203.4	1.76
348	144.0	215.0	175.3	1.73
349	148.0	221.8	180.8	1.74
350	152.0	215.0	176.6	1.79
351	156.0	221.8	182.3	1.64
352	160.0	215.0	176.5	1.73
353	0.0	228.5	210.3	2.48
354	32.0	228.5	209.1	1.51
355	36.0	235.3	215.2	1.54
356	40.0	228.5	209.4	1.51
357	56.0	228.5	188.0	2.25
358	60.0	235.3	216.3	1.49
359	68.0	235.3	215.5	1.50
360	72.0	228.5	209.4	1.54
361	80.0	228.5	209.4	1.73
362	84.0	235.3	215.6	1.84
363	88.0	228.5	209.7	1.91
364	92.0	235.3	215.5	1.73
365	96.0	228.5	186.3	2.57
366	104.0	228.5	209.4	1.80
367	112.0	228.5	187.3	2.54
368	116.0	235.3	193.5	2.28
369	120.0	228.5	187.2	2.18
370	124.0	235.3	191.9	2.08
371	132.0	235.3	192.5	1.63
372	136.0	228.5	164.7	11.72
373	140.0	235.3	191.9	1.40
374	144.0	228.5	186.3	1.82
375	148.0	235.3	191.8	1.78
376	152.0	228.5	186.4	1.67
377	156.0	235.3	192.1	1.65
378	160.0	228.5	187.9	1.55
379	40.0	242.0	221.4	1.54
380	44.0	248.8	227.6	1.67
381	56.0	242.0	198.7	4.95
382	60.0	248.8	228.5	1.57
383	64.0	242.0	198.0	6.78
384	72.0	242.0	221.6	1.57
385	76.0	248.8	203.3	3.46
386	80.0	242.0	221.5	1.82
387	84.0	248.8	227.7	1.87
388	92.0	248.8	202.7	2.67
389	96.0	242.0	221.5	1.62
390	100.0	248.8	202.8	2.70
391	104.0	242.0	197.1	2.63
392	108.0	248.8	202.6	2.90

393	116.0	248.8	204.2	2.30
394	120.0	242.0	222.0	1.72
395	124.0	248.8	202.7	2.10
396	128.0	242.0	221.6	1.72
397	132.0	248.8	203.3	1.74
398	136.0	242.0	198.2	1.54
399	140.0	248.8	202.8	1.41
400	144.0	242.0	197.0	1.33
401	148.0	248.8	203.2	1.49
402	152.0	242.0	197.2	1.55
403	156.0	248.8	227.6	1.92
404	160.0	242.0	197.8	1.53
405	20.0	262.3	239.4	1.80
406	28.0	262.3	239.2	1.65
407	48.0	255.5	233.7	1.68
408	52.0	262.3	240.2	1.61
409	56.0	255.5	234.5	1.59
410	64.0	255.5	234.2	1.58
411	68.0	262.3	239.9	1.55
412	72.0	255.5	233.7	1.50
413	80.0	255.5	207.9	2.45
414	84.0	262.3	213.5	2.63
415	88.0	255.5	234.2	1.59
416	92.0	262.3	213.5	13.65
417	100.0	262.3	239.7	1.73
418	104.0	255.5	208.0	3.06
419	108.0	262.3	213.4	3.45
420	112.0	255.5	208.8	3.04
421	116.0	262.3	240.6	1.70
422	120.0	255.5	234.2	1.70
423	124.0	262.3	239.9	1.67
424	128.0	255.5	207.9	1.82
425	132.0	262.3	240.2	1.64
426	136.0	255.5	209.0	1.51
427	144.0	255.5	207.8	1.38
428	152.0	255.5	209.1	1.48
429	160.0	255.5	207.6	1.53
430	24.0	269.0	245.3	1.77
431	28.0	275.8	251.3	1.74
432	36.0	275.8	251.3	1.62
433	56.0	269.0	246.6	1.65
434	60.0	275.8	252.8	1.68
435	64.0	269.0	246.4	1.59
436	72.0	269.0	218.7	1.78
437	76.0	275.8	224.9	3.83
438	88.0	269.0	219.6	2.65
439	92.0	275.8	252.1	1.84
440	96.0	269.0	245.8	1.82
441	100.0	275.8	252.1	1.70
442	104.0	269.0	245.9	1.68
443	108.0	275.8	252.0	1.69
444	112.0	269.0	246.3	1.74
445	120.0	269.0	219.8	2.43
446	124.0	275.8	252.1	1.67
447	128.0	269.0	245.8	1.66
448	132.0	275.8	224.8	1.83
449	140.0	275.8	224.4	1.54
450	144.0	269.0	218.6	1.41
451	148.0	275.8	224.8	1.33
452	152.0	269.0	246.6	1.89
453	156.0	275.8	225.9	1.56
454	160.0	269.0	219.3	1.39
455	0.0	282.5	258.9	2.05

456	28.0	289.3	263.4	1.85
457	32.0	282.5	257.3	1.75
458	36.0	289.3	263.4	1.71
459	40.0	282.5	257.5	1.65
460	44.0	289.3	263.6	1.69
461	48.0	282.5	258.0	1.69
462	68.0	289.3	264.2	1.49
463	76.0	289.3	264.4	1.47
464	80.0	282.5	258.0	1.55
465	84.0	289.3	264.1	1.62
466	92.0	289.3	264.2	1.57
467	96.0	282.5	258.0	1.83
468	100.0	289.3	264.4	1.66
469	104.0	282.5	258.0	1.75
470	108.0	289.3	264.0	1.71
471	112.0	282.5	258.4	1.77
472	116.0	289.3	264.8	1.67
473	120.0	282.5	258.5	1.67
474	124.0	289.3	264.2	1.65
475	128.0	282.5	229.4	2.13
476	132.0	289.3	235.6	1.96
477	136.0	282.5	230.7	1.61
478	140.0	289.3	235.3	1.57
479	144.0	282.5	229.3	1.46
480	148.0	289.3	235.5	1.34
481	152.0	282.5	230.9	1.25
482	156.0	289.3	237.1	1.24
483	160.0	282.5	231.1	1.36
484	32.0	296.0	269.4	1.73
485	36.0	302.8	275.5	1.77
486	40.0	296.0	269.5	1.73
487	44.0	302.8	275.6	1.77
488	48.0	296.0	270.0	1.77
489	52.0	302.8	276.6	1.82
490	56.0	296.0	270.9	1.65
491	60.0	302.8	277.2	1.68
492	64.0	296.0	270.7	1.55
493	68.0	302.8	276.4	1.53
494	72.0	296.0	270.1	1.48
495	76.0	302.8	276.6	1.49
496	80.0	296.0	270.2	1.75
497	88.0	296.0	270.6	1.54
498	92.0	302.8	246.0	2.53
499	96.0	296.0	270.1	1.48
500	100.0	302.8	276.6	1.63
501	104.0	296.0	270.2	1.62
502	108.0	302.8	276.2	1.64
503	112.0	296.0	270.4	1.62
504	116.0	302.8	276.7	1.67
505	120.0	296.0	270.7	1.66
506	124.0	302.8	276.4	1.69
507	128.0	296.0	240.2	6.38
508	132.0	302.8	246.4	1.96
509	136.0	296.0	241.5	1.65
510	140.0	302.8	246.1	1.54
511	144.0	296.0	240.1	1.48
512	148.0	302.8	246.3	1.32
513	152.0	296.0	241.7	1.26
514	156.0	302.8	247.9	1.24
515	160.0	296.0	242.8	1.23
516	0.0	309.5	283.2	1.78
517	24.0	309.5	281.7	1.90
518	28.0	316.3	287.6	1.92

519	44.0	316.3	287.7	1.90
520	48.0	309.5	282.0	1.84
521	52.0	316.3	288.7	1.90
522	56.0	309.5	283.1	1.70
523	64.0	309.5	282.9	1.58
524	68.0	316.3	288.5	1.57
525	72.0	309.5	282.2	1.42
526	76.0	316.3	288.7	1.51
527	80.0	309.5	282.4	1.53
528	84.0	316.3	288.4	1.54
529	92.0	316.3	288.6	1.72
530	96.0	309.5	282.2	1.70
531	100.0	316.3	288.7	1.63
532	104.0	309.5	282.4	1.63
533	108.0	316.3	288.4	1.62
534	112.0	309.5	282.2	1.60
535	116.0	316.3	256.7	3.49
536	124.0	316.3	256.9	3.78
537	128.0	309.5	250.9	3.75
538	132.0	316.3	288.7	1.90
539	136.0	309.5	282.9	1.89
540	140.0	316.3	288.6	1.86
541	144.0	309.5	250.9	1.30
542	148.0	316.3	257.1	1.25
543	152.0	309.5	283.0	1.88
544	156.0	316.3	289.5	1.88
545	160.0	309.5	254.1	1.13
546	0.0	323.0	295.4	2.27
547	8.0	323.0	294.7	4.23
548	12.0	329.8	300.5	3.60
549	24.0	323.0	293.8	2.05
550	28.0	329.8	299.8	2.07
551	32.0	323.0	293.6	1.93
552	36.0	329.8	299.6	1.96
553	56.0	323.0	295.2	1.85
554	60.0	329.8	301.5	1.69
555	68.0	329.8	300.7	1.51
556	72.0	323.0	294.4	1.54
557	80.0	323.0	294.5	1.44
558	92.0	329.8	300.7	1.57
559	96.0	323.0	294.4	1.65
560	104.0	323.0	294.6	1.58
561	112.0	323.0	262.1	4.31
562	120.0	323.0	262.6	4.02
563	124.0	329.8	300.7	1.89
564	128.0	323.0	294.4	1.90
565	132.0	329.8	267.9	5.78
566	136.0	323.0	263.2	4.83
567	140.0	329.8	267.8	6.86
568	144.0	323.0	294.3	1.88
569	148.0	329.8	267.8	8.15
570	152.0	323.0	263.2	1.25
571	156.0	329.8	269.4	1.16
572	160.0	323.0	264.8	1.15
573	4.0	343.3	313.3	3.00
574	16.0	336.5	306.3	3.46
575	32.0	336.5	305.7	2.07
576	36.0	343.3	311.7	2.10
577	40.0	336.5	305.7	2.00
578	44.0	343.3	311.8	2.09
579	60.0	343.3	313.7	1.82
580	68.0	343.3	312.9	1.68
581	76.0	343.3	313.0	1.43

582	80.0	336.5	306.7	1.38
583	84.0	343.3	312.7	1.32
584	88.0	336.5	307.0	1.64
585	116.0	343.3	312.9	1.41
586	120.0	336.5	306.6	1.50
587	132.0	343.3	278.7	2.75
588	136.0	336.5	307.2	1.86
589	140.0	343.3	278.6	3.15
590	144.0	336.5	306.5	1.87
591	148.0	343.3	312.9	1.87
592	152.0	336.5	307.3	1.88
593	156.0	343.3	313.7	1.91
594	160.0	336.5	275.6	1.13
595	8.0	350.0	319.0	2.48
596	40.0	350.0	317.8	2.14
597	112.0	350.0	319.1	1.43
598	128.0	350.0	318.6	1.60
599	136.0	350.0	284.8	2.43
600	144.0	350.0	283.2	1.08
601	152.0	350.0	319.4	1.89
602	160.0	350.0	282.6	5.61

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CARICO LIMITE PALI
xc = 40.00 yc = 80.00 Rc = 67.238 Fs=1.1241

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=6449.0 Kg Sbalzo del palo 6.32 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 48.00 yc = 80.00 Rc = 67.238 Fs=1.1489

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=6449.0 Kg Sbalzo del palo 6.89 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 52.00 yc = 86.75 Rc = 72.92 Fs=1.212

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=6449.0 Kg Sbalzo del palo 5.86 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 56.00 yc = 80.00 Rc = 50.475 Fs=1.1619

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 132.00 yc = 86.75 Rc = 27.90 Fs=1.1476

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 64.00 yc = 93.50 Rc = 78.176 Fs=1.2066

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=6449.0 Kg Sbalzo del palo 3.38 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 76.00 yc = 100.25 Rc = 83.42 Fs=1.2156

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 28.00 yc = 113.75 Rc = 105.552 Fs=1.2512

Micropali Base x=41.44008 Y=10.97868 Plim=5253.2 Kg Sbalzo del palo 3.27 m
Micropali Base x=43.54914 Y=10.97868 Plim=5253.2 Kg Sbalzo del palo 3.27 m
Micropali Monte x=45.72998 Y=18.96775 Plim=4062.7 Kg Sbalzo del palo 10.47 m
Micropali Valle x=39.43412 Y=11.61011 Plim=7418.2 Kg Sbalzo del palo 2.20 m

CARICO LIMITE PALI
xc = 68.00 yc = 113.75 Rc = 94.314 Fs=1.2984

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 72.00 yc = 107.00 Rc = 88.912 Fs=1.2405

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 24.00 yc = 147.50 Rc = 136.026 Fs=1.2954

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=6449.0 Kg Sbalzo del palo 6.24 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 44.00 yc = 167.75 Rc = 154.748 Fs=1.1923

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=6449.0 Kg Sbalzo del palo 8.35 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 48.00 yc = 174.50 Rc = 160.872 Fs=1.2164

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=6449.0 Kg Sbalzo del palo 7.90 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 52.00 yc = 181.25 Rc = 167.341 Fs=1.2239

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=6449.0 Kg Sbalzo del palo 7.69 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 48.00 yc = 188.00 Rc = 173.01 Fs=1.2592

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=6449.0 Kg Sbalzo del palo 6.55 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 52.00 yc = 194.75 Rc = 179.48 Fs=1.2858

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=6449.0 Kg Sbalzo del palo 6.33 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 56.00 yc = 188.00 Rc = 173.81 Fs=1.2706

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=6449.0 Kg Sbalzo del palo 7.38 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 48.00 yc = 201.50 Rc = 185.149 Fs=1.2854

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=6449.0 Kg Sbalzo del palo 5.19 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 152.00 yc = 282.50 Rc = 230.937 Fs=1.2506

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 156.00 yc = 289.25 Rc = 237.121 Fs=1.2427

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 152.00 yc = 296.00 Rc = 241.704 Fs=1.2597

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=0.0 Kg Sbalzo del palo 0.00 m

Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 156.00 yc = 302.75 Rc = 247.887 Fs=1.2398

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 160.00 yc = 296.00 Rc = 242.821 Fs=1.2332

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 148.00 yc = 316.25 Rc = 257.053 Fs=1.2495

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 160.00 yc = 309.50 Rc = 254.07 Fs=1.1342

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 152.00 yc = 323.00 Rc = 263.236 Fs=1.2523

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 156.00 yc = 329.75 Rc = 269.419 Fs=1.1554

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 160.00 yc = 323.00 Rc = 264.836 Fs=1.146

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 160.00 yc = 336.50 Rc = 275.602 Fs=1.1301

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m

Micropali Monte x=45.72998 Y=18.96775 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m

CARICO LIMITE PALI
xc = 144.00 yc = 350.00 Rc = 283.231 Fs=1.0769

Micropali Base x=41.44008 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Base x=43.54914 Y=10.97868 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Monte x=45.72998 Y=18.96775 Plim=0.0 Kg Sbalzo del palo 0.00 m
Micropali Valle x=39.43412 Y=11.61011 Plim=0.0 Kg Sbalzo del palo 0.00 m