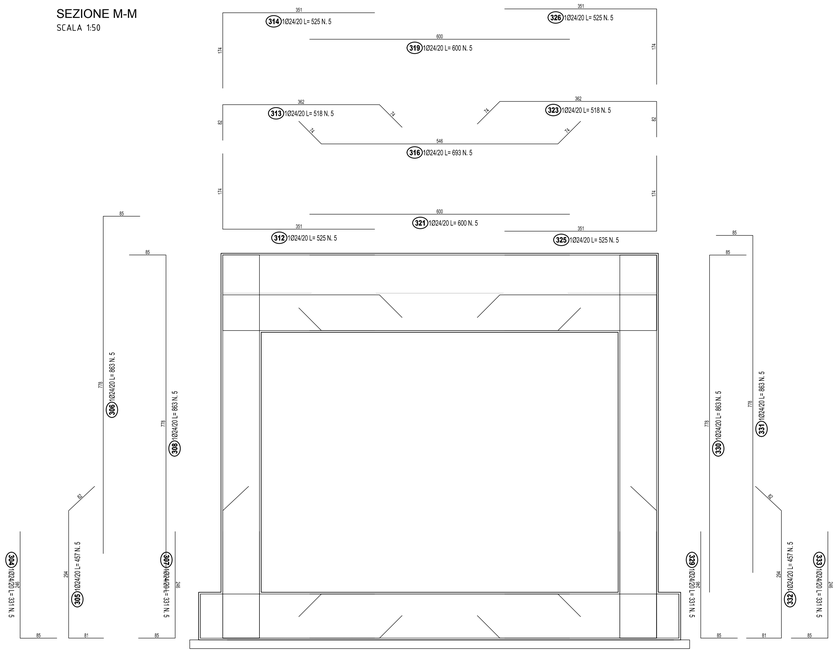
SEZIONE M-M
SCALA 1:50



LISTA FERRI DEFAULT						
Pos.	Ø	Ferri	Totale Ferri	Lung.(cm)	kg/m	Tot. Kg
1	24	1	26	535	3.551	493.9
2	24	1	26	535	3.551	493.9
3	24	1	26	484	3.551	446.9
4	20	3+1	12	164	2.466	48.5
5	24	1	26	484	3.551	446.9
6	24	1	26	600	3.551	554.0
7	24	1	26	600	3.551	554.0
8	24	1	26	484	3.551	446.9
9	24	1	26	484	3.551	446.9
10	24	1	26	535	3.551	493.9
11	24	1	26	535	3.551	493.9
12	24	1	36	320	3.551	409.1
13	24	1	36	447	3.551	571.4
14	24	1	36	701	3.551	896.1
15	24	1	36	701	3.551	896.1
16	24	1	36	320	3.551	409.1
17	20	2+1	15	146	2.466	54.0
18	24	1	36	484	3.551	618.7
19	24	1	36	484	3.551	618.7
20	24	1	36	600	3.551	767.0
21	24	1	36	600	3.551	767.0
22	20	3+1	20	164	2.466	80.9
23	24	1	36	484	3.551	618.7
24	24	1	36	484	3.551	618.7
25	20	2+1	15	146	2.466	54.0
26	24	1	4	320	3.551	45.5
27	24	1	4	567	3.551	80.5
28	24	1	4	567	3.551	80.5
29	24	1	4	447	3.551	63.5
30	24	1	4	320	3.551	45.5
31	24	1	5	320	3.551	56.8
32	24	1	5	447	3.551	79.4
33	24	1	5	817	3.551	145.1
34	24	1	5	817	3.551	145.1
35	24	1	5	320	3.551	56.8
36	24	1	5	484	3.551	85.9
37	24	1	5	484	3.551	85.9
38	24	1	5	600	3.551	106.5
39	24	1	5	600	3.551	106.5
40	24	1	5	484	3.551	85.9
41	24	1	5	484	3.551	85.9
42	24	1	4	320	3.551	45.5
43	24	1	4	821	3.551	116.6
44	24	1	4	821	3.551	116.6
45	24	1	4	320	3.551	45.5
46	24	1	5	331	3.551	58.8
47	24	1	5	457	3.551	81.1
48	24	1	5	829	3.551	147.2
49	24	1	5	829	3.551	147.2
50	24	1	5	331	3.551	58.8
51	24	1	5	504	3.551	89.5
52	24	1	5	490	3.551	87.0
53	24	1	5	504	3.551	89.5
54	24	1	5	518	3.551	92.0
55	24	1	5	490	3.551	87.0
56	24	1	5	537	3.551	95.3
57	24	1	5	600	3.551	106.5
58	24	1	5	600	3.551	106.5
59	24	1	5	693	3.551	123.0
60	24	1	5	693	3.551	123.0
61	24	1	5	600	3.551	106.5
62	24	1	5	600	3.551	106.5
63	24	1	5	490	3.551	87.0
64	24	1	5	518	3.551	92.0
65	24	1	5	537	3.551	95.3
66	24	1	5	490	3.551	87.0
67	24	1	5	504	3.551	89.5
68	24	1	5	504	3.551	89.5
69	24	1	5	331	3.551	58.8
70	24	1	5	829	3.551	147.2
71	24	1	5	829	3.551	147.2
72	24	1	5	457	3.551	81.1
73	24	1	5	331	3.551	58.8
74	24	1	63	331	3.551	740.5
75	24	1	63	457	3.551	1022.4
76	24	1	63	771	3.551	1724.8
77	24	1	63	771	3.551	1724.8
78	24	1	63	331	3.551	740.5
79	20	2+1	24	157	2.466	92.9
80	24	1	63	504	3.551	1127.5
81	24	1	63	504	3.551	1127.5
82	24	1	63	537	3.551	1201.3
83	24	1	63	518	3.551	1158.8
84	20	3+1	32	154	2.466	121.5
85	20	3+1	32	174	2.466	137.3
86	24	1	63	600	3.551	1342.3
87	24	1	63	693	3.551	1550.3
88	24	1	63	1165	3.551	2606.3
89	24	1	63	600	3.551	1342.3
90	24	1	63	693	3.551	1550.3
91	24	1	63	1165	3.551	2606.3
92	24	1	63	537	3.551	1201.3
93	24	1	63	518	3.551	1158.8
94	24	1	63	504	3.551	1127.5
95	24	1	63	504	3.551	1127.5
96	20	2+1	24	157	2.466	92.9
97	24	1	63	331	3.551	740.5
98	24	1	63	771	3.551	1724.8
99	24	1	63	771	3.551	1724.8
100	24	1	63	457	3.551	1022.4
101	24	1	63	331	3.551	740.5
102	24	1	55	1200	2.466	1627.6
103	20	1	55	1200	2.466	1627.6
104	20	1	55	559	2.466	758.2
105	24	1	4	331	3.551	47.0
106	20	1	55	558	2.466	756.8
107	20	1	55	126	2.466	170.9
108	24	1	4	457	3.551	64.9
109	24	1	4	851	3.551	120.9
110	20	1	55	136	2.466	184.5
111	24	1	4	851	3.551	120.9
112	24	1	4	331	3.551	47.0
113	20	1	55	1122	2.466	1521.8
114	24	1	4	504	3.551	71.6
115	20	1	55	1111	2.466	1506.8
116	24	1	4	504	3.551	71.6
117	24	1	4	513	3.551	72.9
118	24	1	4	537	3.551	76.3
119	24	1	4	518	3.551	73.6
120	24	1	4	490	3.551	69.6
121	20	1	6	151	2.466	22.3
122	20	1	6	244	2.466	36.1
123	20	1	6	151	2.466	22.3
124	20	1	6	1029	2.466	153.7
125	20	1	6	239	2.466	35.4
126	20	1	6	1040	2.466	153.9
127	24	1	4	600	3.551	85.2
128	24	1	4	693	3.551	98.4
129	24	1	4	693	3.551	98.4
130	24	1	4	600	3.551	85.2
131	24	1	4	600	3.551	85.2
132	24	1	4	537	3.551	76.3
133	24	1	4	513	3.551	72.9
134	24	1	4	518	3.551	73.6
135	24	1	4	490	3.551	69.6
136	24	1	4	504	3.551	71.6
137	24	1	4	504	3.551	71.6
138	20	1	55	1199	2.466	1626.2
139	20	1	55	1199	2.466	1626.2
140	24	1	4	331	3.551	47.0
141	24	1	4	851	3.551	120.9
142	20	1	21	573	2.466	296.7
143	20	1	6	1201	2.466	177.7
144	24	1	4	851	3.551	120.9
145	20	1	6	1201	2.466	177.7
146	24	1	4	457	3.551	64.9
147	24	1	4	331	3.551	47.0
148	20	1	21	576	2.466	298.3
149	20	1	6	297	2.466	43.9
150	20	1	6	295	2.466	43.6
151	20	1	30	952	2.466	630.3
152	20	1	6	267	2.466	39.5
153	20	1	30	952	2.466	630.3
154	20	1	55	1200	2.466	1627.6
155	20	1	43	309	2.466	327.7
156	20	1	6	265	2.466	39.2
157	20	1	55	1190	2.466	1614.0
158	24	1	43	119	3.551	181.7
159	20	1	43	310	2.466	328.7
160	20	1	6	1156	2.466	171.0
161	20	1	6	1155	2.466	170.9
162	24	1	41	348	3.551	506.7
163	24	1	43	130	3.551	198.5
164	24	1	41	339	3.551	493.6
165	20	1	55	136	2.466	184.5
166	20	1	55	559	2.466	758.2
167	24	1	41	1200	3.551	1747.1
168	20	1	55	559	2.466	758.2
169	24	1	41	1200	3.551	1747.1
170	20	1	55	126	2.466	170.9
171	20	1	6	279	2.466	41.3
172	20	1	6	151	2.466	22.3
173	24	1	4	331	3.551	47.0
174	20	1	16	571	2.466	225.3
175	20	1	6	151	2.466	22.3
176	20	1	6	278	2.466	41.1
177	20	1	55	1067	2.466	1447.2
178	24	1	4	457	3.551	64.9
179	20	1	55	1066	2.466	1445.8
180	20	1	16	674	2.466	266.0
181	24	1	4	771	3.551	109.5
182	24	1	41	657	3.551	956.5
183	24	1	4	771	3.551	109.5
184	24	1	4	331	3.551	47.0
185	24	1	41	657	3.551	956.5
186	20	1	37	820	2.466	748.2
187	24	1	4	504	3.551	71.6
188	24	1	4	504	3.551	71.6
189	24	1	41	338	3.551	492.1
190	24	1	4	537	3.551	76.3
191	20	1	37	819	2.466	747.3
192	24	1	4	518	3.551	73.6
193	20	1	42	339	2.466	351.1
194	24	1	41	349	3.551	508.1
195	24	1	41	1200	3.551	1747.1
196	24	1	4	600	3.551	85.2
197	24	1	4	693	3.551	98.4
198	24	1	4	1165	3.551	165.5
199	24	1	4	600	3.551	85.2
200	24	1	4	693	3.551	98.4
201	24	1	4	1165	3.551	165.5
202	20	1	42	119	2.466	123.3
203	24	1	41	1200	3.551	1747.1
204	20	1	42	338	2.466	350.1
205	24	1	41	1200	3.551	1747.1
206	24	1	41	130	3.551	189.3
207	24	1	4	537	3.551	76.3
208	24	1	4	518	3.551	73.6
209	24	1	4	504	3.551	71.6
210	24	1	41	1200	3.551	1747.1
211	24	1	4	504	3.551	71.6
212	24	1	41	349	3.551	508.1
213	20	1	42	280	2.466	290.0
214	24	1	41	331	3.551	481.9
215	24	1	41	336	3.551	489.2
216	24	1	41	129	3.551	187.8
217	24	1	4	761	3.551	108.1
218	24	1	41	657	3.551	956.5
219	20	1	41	119	2.466	120.3
220	24	1	4	771	3.551	109.5
221	24	1	4	457	3.551	64.9
222	20	1	42	280	2.466	290.0
223	20	1	33	890	2.466	724.3
224	24	1	41	657	3.551	956.5
225	24	1	4	331	3.551	47.0
226	20	1	33	890	2.466	724.3
227	24	1	41	1200	3.551	1747.1
228	20	1	16	435	2.466	171.6
229	24	1	41	1200	3.551	1747.1
230	20	1	16	457	2.466	180.4
231	24	1	41	339	3.551	493.6
232	24	1	41	348	3.551	506.7
233	20	1	44	338	2.466	366.7
234	20	1	44	339	2.466	367.8
235	20	1	4	593	2.466	58.5
236	24	1	41	130	3.551	189.3
237	20	1	33	853	2.466	694.2
238	20	1	41	119	2.466	120.3
239	20	1	33	853	2.466	694.2
240	20	1	4	833	2.466	82.2
241	20	1	33	435	2.466	354.0
242	24	1	4	331	3.551	47.0
243	20	1	33	431	2.466	350.7
244	24	1	4	457	3.551	64.9
245	24	1	4	822	3.551	116.8
246	24	1	4	822	3.551	116.8
247	24	1	4	331	3.551	47.0
248	20	1	4	281	2.466	27.7
249	24	1	4	504	3.551	71.6
250	24	1	4	504	3.551	71.6
251	24	1	4	484	3.551	68.7
252	24	1	4	537	3.551	76.3
253	24	1	4	518	3.551	73.6
254	24	1	4	484	3.551	68.7
255	24	1	4	600	3.551	85.2
256	24	1	4	693	3.551	98.4
257	24	1	4	600	3.551	85.2
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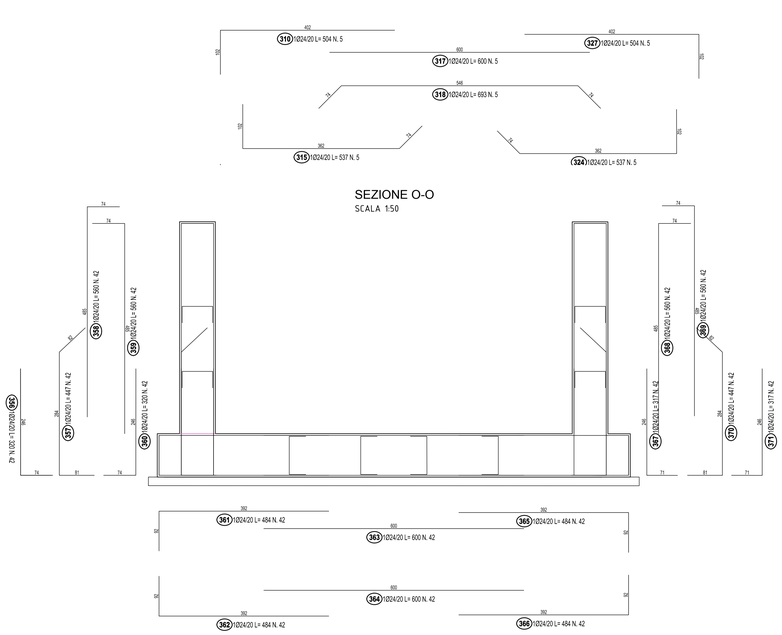
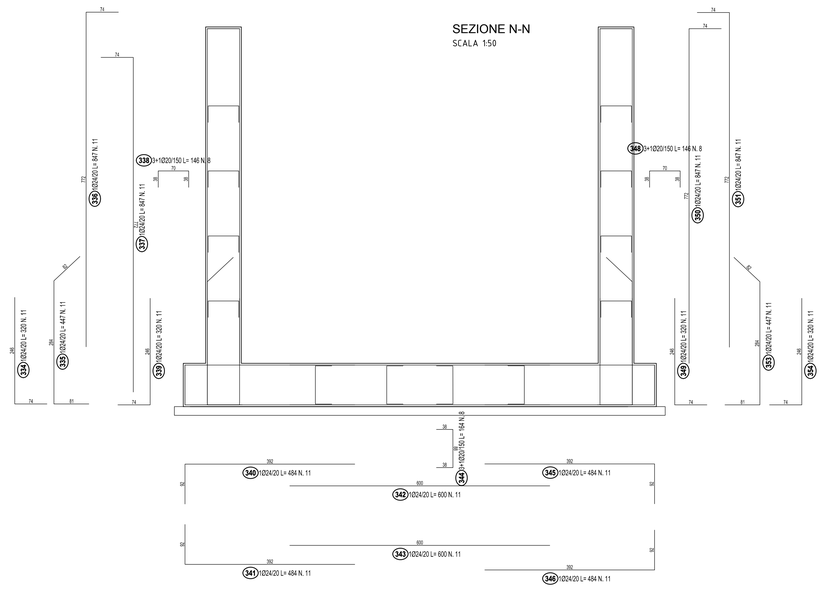
261	24	1	4	537	3.551	76.3
262	24	1	4	484	3.551	68.7
263	24	1	4	518	3.551	73.6
264	24	1	4	484	3.551	68.7
265	24	1	4	504	3.551	71.6
266	24	1	4	504	3.551	71.6
267	24	1	4	331	3.551	47.0
268	24	1	4	822	3.551	116.8
269	24	1	4	822	3.551	116.8
270	24	1	4	457	3.551	64.9
271	24	1	4	331	3.551	47.0
272	20	1	4	293	2.466	28.9
273	20	1	4	825	2.466	81.2
274	24	1	68	331	3.551	799.3
275	24	1	68	457	3.551	1103.5
276	24	1	68	771	3.551	1861.7
277	20	1	4	368	2.466	36.3
278	24	1	68	771	3.551	1861.7
279	24	1	68	331	3.551	799.3
280	20	3+1	27	157	2.466	104.5
281	24	1	68	504	3.551	1217.0
282	24	1	68	504	3.551	1217.0
283	24	1	68	537	3.551	1296.7
284	24	1	68	518	3.551	1250.8
285	20	3+1	36	154	2.466	136.7
286	20	3+1	36	174	2.466	154.5
287	24	1	68	1165	3.551	2813.1
288	24	1	68	600	3.551	1448.8
289	24	1	68	693	3.551	1673.4
290	24	1	68	693	3.551	1673.4
291	24	1	68	600	3.551	1448.8
292	24	1	68	1165	3.551	2813.1
293	24	1	68	537	3.551	1296.7
294	24	1	68	518	3.551	1250.8
295	20	3+1	36	154	2.466	136.7
296	24	1	68	504	3.551	1217.0
297	20	2+1	27	157	2.466	104.5
298	24	1	68	331	3.551	799.3
299	24	1	68	771	3.551	1861.7
300	24	1	68	771	3.551	1861.7
301	24	1	68	457	3.551	1103.5
302	24	1	68	331	3.551	799.3
303	20	1	4	553	2.466	54.5
304	24	1	5	331	3.551	58.8
305	24	1	5	457	3.551	81.1
306	24	1	5	863	3.551	153.2
307	24	1	5	331	3.551	58.8
308	24	1	5	863	3.551	153.2
309	20	1	4	874	2.466	86.2
310	24	1	5	504	3.551	89.5
311	24	1	5	504	3.551	89.5
312	24	1	5	525	3.551	93.2
313	24	1	5	518	3.551	92.0
314	24	1	5	525	3.551	93.2
315	24	1	5	537	3.551	95.3
316	24	1	5	693	3.551	123.0
317	24	1	5	600	3.551	106.5
318	24	1	5	693	3.551	123.0
319	24	1	5	600	3.551	106.5
320	24	1	5	600	3.551	106.5
321	24	1	5	600	3.551	106.5
322	20	1	4	288	2.466	28.4
323	24	1	4	518	3.551	91.5
324	24	1	5	518	3.551	92.0
325	24	1	5	537	3.551	95.3
326	24	1	5	525	3.551	93.2
327	24	1	5	504	3.551	89.5
328	24	1	5	504	3.551	89.5
329	24	1	5	331	3.551	58.8
330	24	1	5	863	3.551	153.2
331	24	1	5	863	3.551	153.2
332	24	1	5	457	3.551	81.1
333	24	1	5	331	3.551	58.8
334	24	1	11	320	3.551	125.0
335	24	1	11	447	3.551	174.6
336	24	1	11	847	3.551	330.8
337	24	1	11	847	3.551	330.8
338	20	3+1	8	146	2.466	28.8
339	24	1	11	320	3.551	125.0
340	24	1	11	484	3.551	189.1
341	24	1	11	484	3.551	189.1
342	24	1	11	600	3.551	234.4
343	24	1	11	600	3.551	234.4
344	20	3+1	8	164	2.466	32.4
345	24	1	11	484	3.551	189.1
346	24	1	11	484	3.551	189.1
347	20	1	4	218	2.466	21.5
348	20	3+1	8	146	2.466	28.8
349	24	1	11	320	3.551	125.0
350	24	1	11	847	3.551	330.8
351	24	1	11	847	3.551	330.8
352	20	1	4	972	2.466	95.9
353	24	1	11	447	3.551	174.6
354	24	1	11	320	3.551	125.0
355	20	1	4	421	2.466	41.6
356	24	1	42	320	3.551	477.3
357	24	1	42	447	3.551	666.7
358	24	1	42	560	3.551	835.2
359	24	1	42	560	3.551	835.2
360	24	1	42	320	3.551	477.3
361	24	1	42	484	3.551	721.8
362	24	1	42	484	3.551	721.8
363	24	1	42	600	3.551	894.9
364	24	1	42	600	3.551	894.9
365	24	1	42	484	3.551	721.8
366	24	1	42	484	3.551	721.8
367	24	1	42	317	3.551	472.8
368	24	1	42	560	3.551	835.2
369	24	1	42	560	3.551	835.2
370	24	1	42	447	3.551	666.7
371	24	1	42	317	3.551	472.8
372	24	1	17	455	3.551	274.7
373	24	1	17	455	3.551	274.7
374	24	1	17	484	3.551	292.2
375	24	1	17	484	3.551	292.2
376	20	3+1	12	154	2.466	48.5
377	24	1	17	600	3.551	362.2
378	24	1	17	600	3.551	362.2
379	24	1	17	484	3.551	292.2
380	24	1	17	484	3.551	292.2
381	24	1	17	441	3.551	266.2
382	24	1	17	441	3.551	266.2
				TOTALE PESO	Kg	199328.4

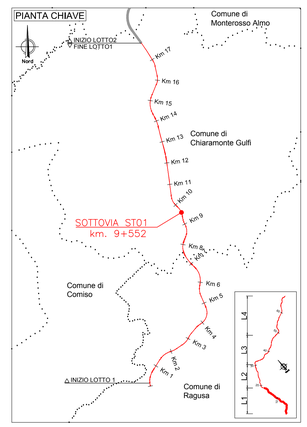
SEZIONE O-O
SCALA 1:50



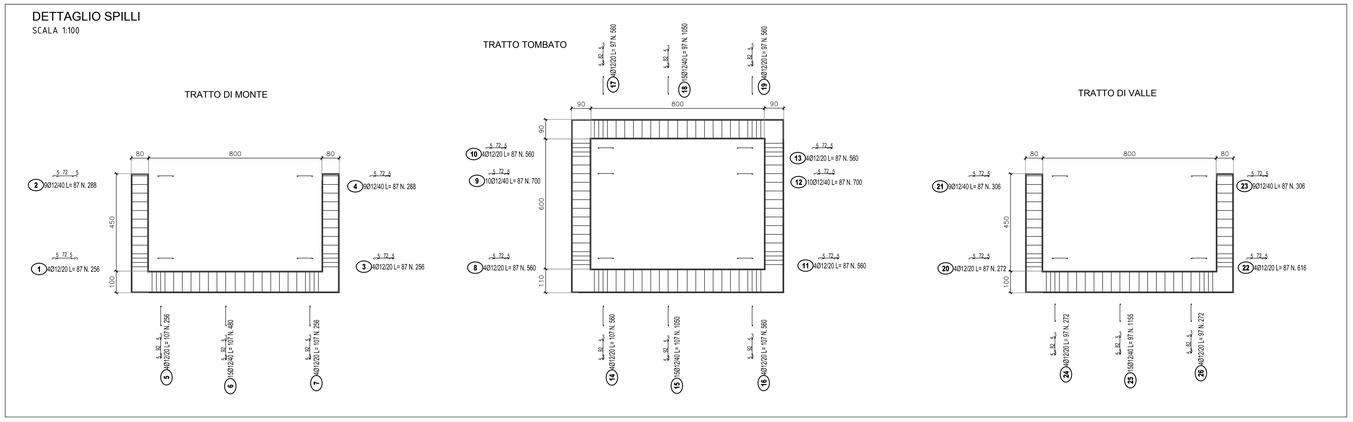
SEZIONE N-N
SCALA 1:50



LISTA FERRI SPILLI						
Pos.	Dia Ø	Ferri	Totale Ferri	Lung.(cm)	kg/m	Tot. Kg
1	12	4	256	87	0.888	197.8
2	12	9	288	87	0.888	222.5
3	12	4	256	87	0.888	197.8
4	12	9	288	87	0.888	222.5
5	12	4	256	107	0.888	243.2
6	12	15	480	107	0.888	456.1
7	12	4	256	107	0.888	243.2
8	12	4	560	87	0.888	432.6
9	12	10	700	87	0.888	540.8
10	12	4	560	87	0.888	432.6
11	12	4	560	87	0.888	432.6
12	12	10	700	87	0.888	540.8
13	12	4	560	87	0.888	432.6
14	12	4	560	107	0.888	532.1
15	12	15	1050	107	0.888	997.7
16	12	4	560	107	0.888	532.1
17	12	4	560	97	0.888	482.4
18	12	15	1050	97	0.888	904.4
19	12	4	560	97	0.888	482.4
20	12	4	272	87	0.888	210.1
21	12	9	306	87	0.888	236.4
22	12	4	616	87	0.888	475.9
23	12	9	306	87	0.888	236.4
24	12	4	272	97	0.888	234.3
25	12	15	1155	97	0.888	994.9
26	12	4	272	97	0.888	234.3
				TOTALE PESO	Kg	11148.5



DETTAGLIO SPILLI
SCALA 1:100


TRATTO DI MONTE
TRATTO TOMBATO
TRATTO DI VALLE
80
800
450
100
90
600
110
2 N012/40 L= 87 N. 288
4 N012/40 L= 87 N. 288
1 N012/20 L= 87 N. 256
3 N012/20 L= 87 N. 256
10 N012/20 L= 87 N. 560
9 I10D12/40 L= 87 N. 700
8 N012/20 L= 87 N. 560
13 N012/20 L= 87 N. 560
12 I10D12/40 L= 87 N. 700
11 N012/20 L= 87 N. 560
21 N012/40 L= 87 N. 306
23 N012/40 L= 87 N. 306
20 N012/20 L= 87 N. 272
22 N012/20 L= 87 N. 616
5 N012/20 L=