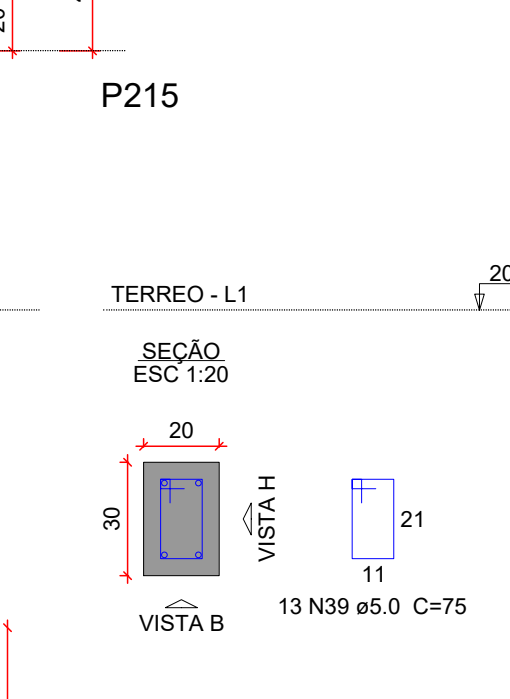
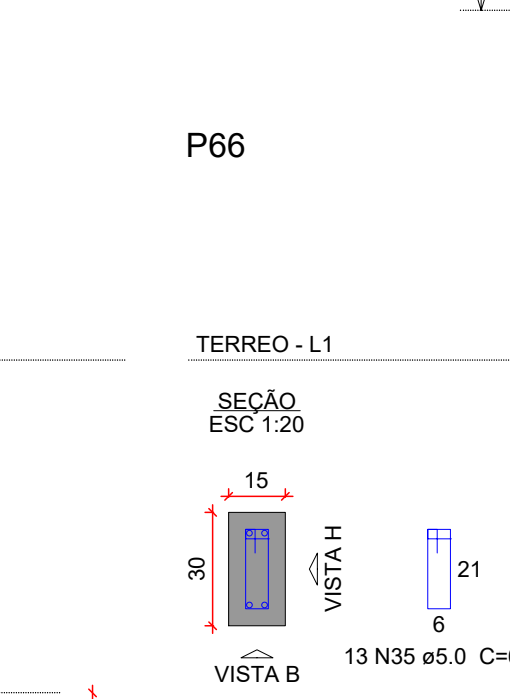
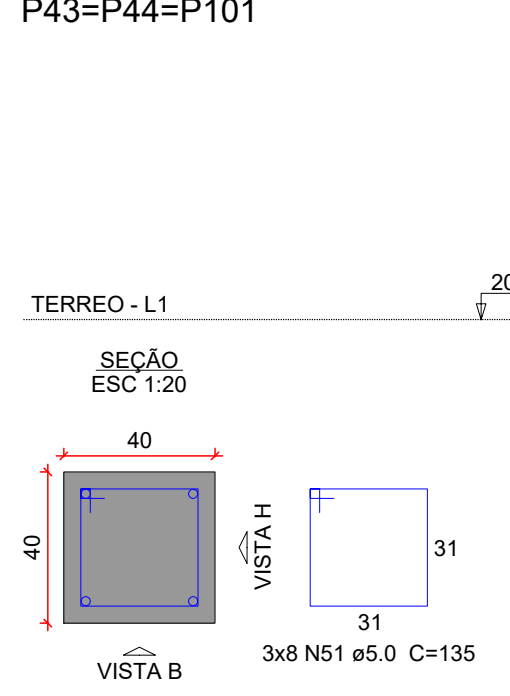
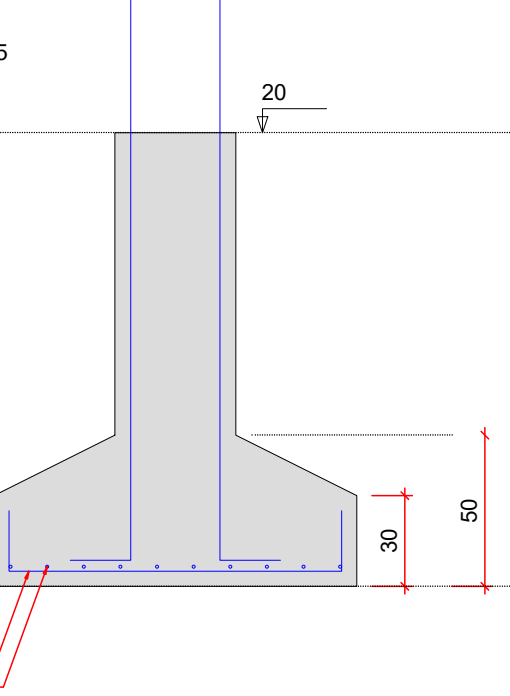
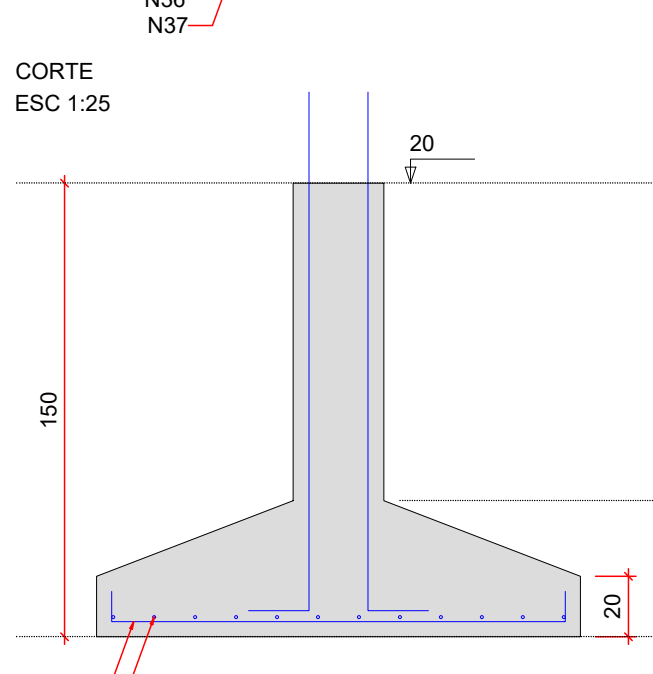
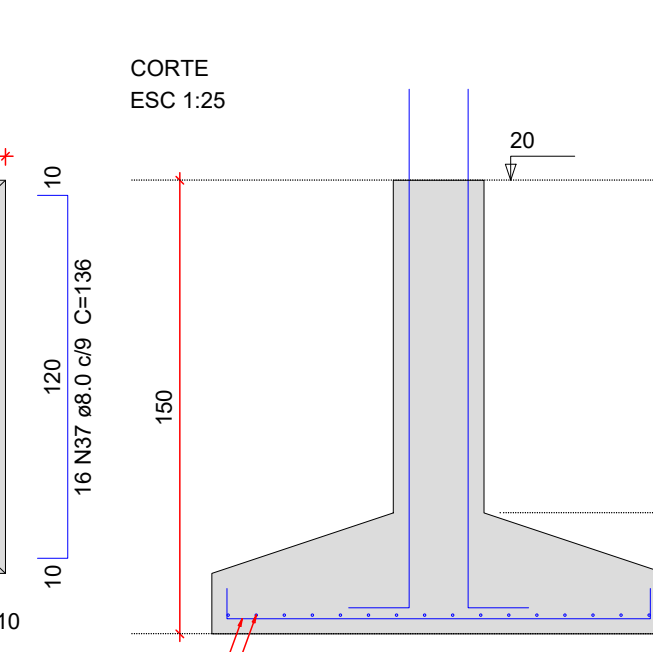
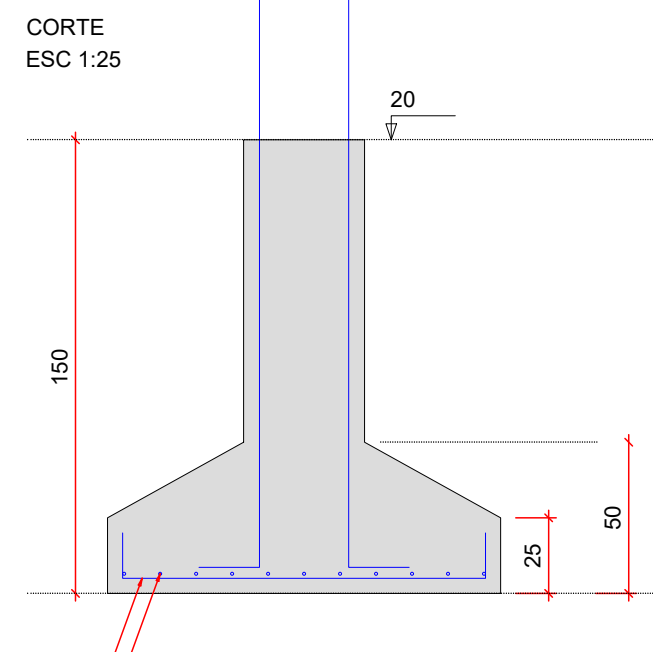
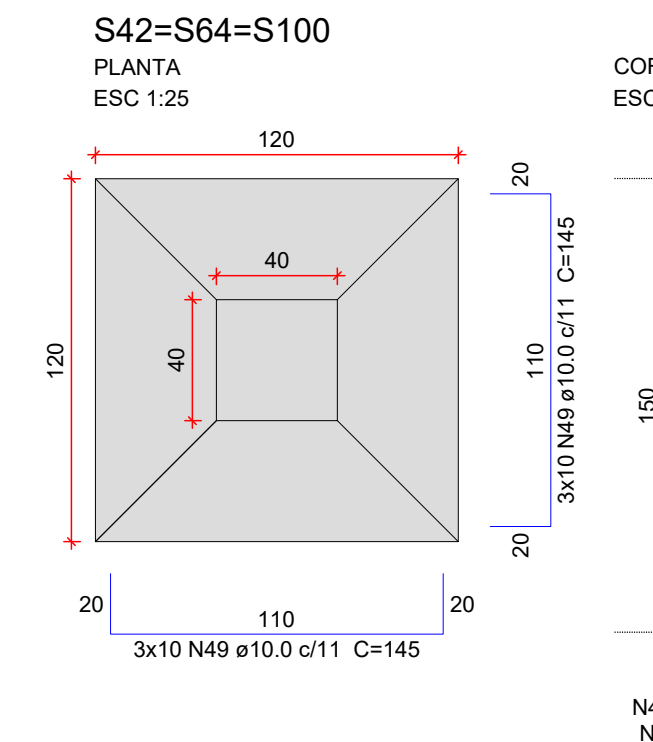
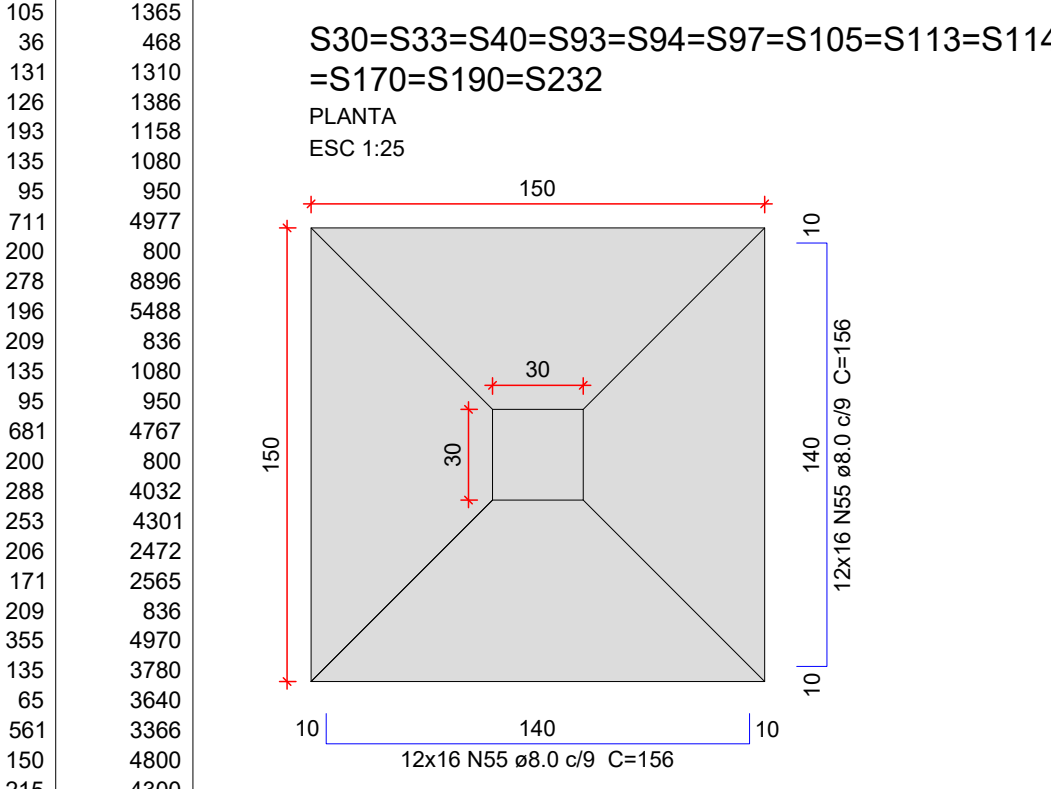
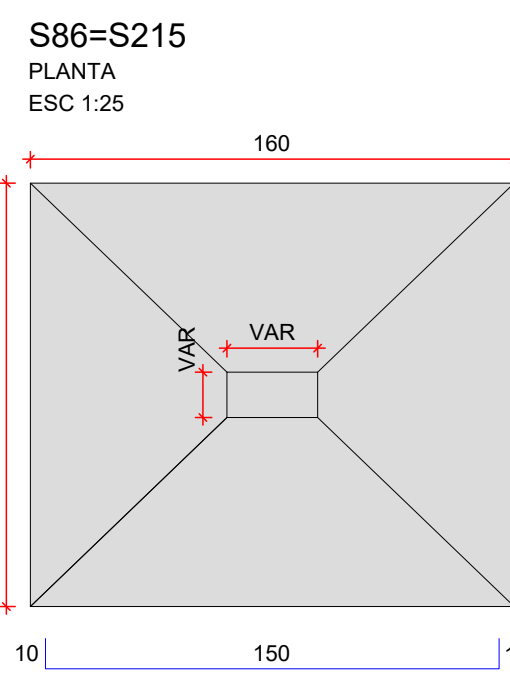
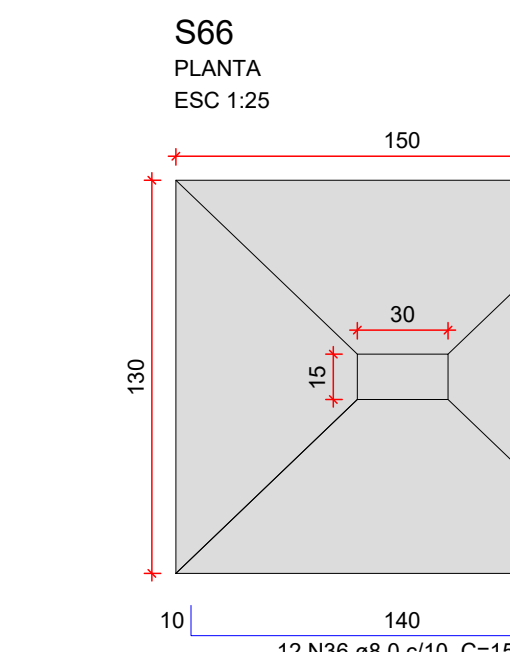
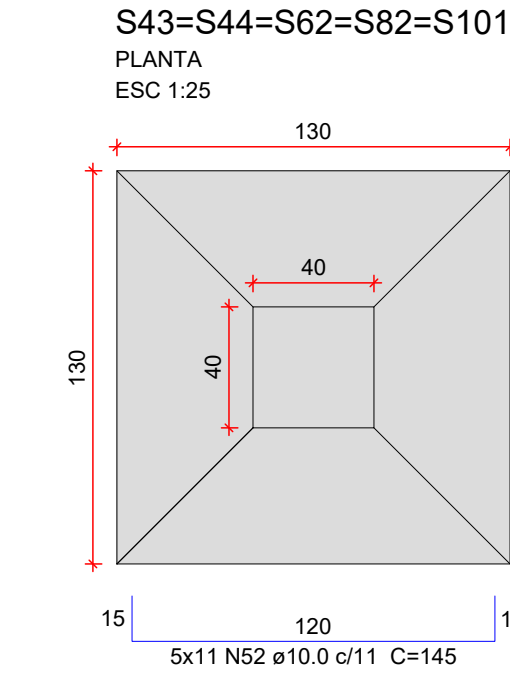


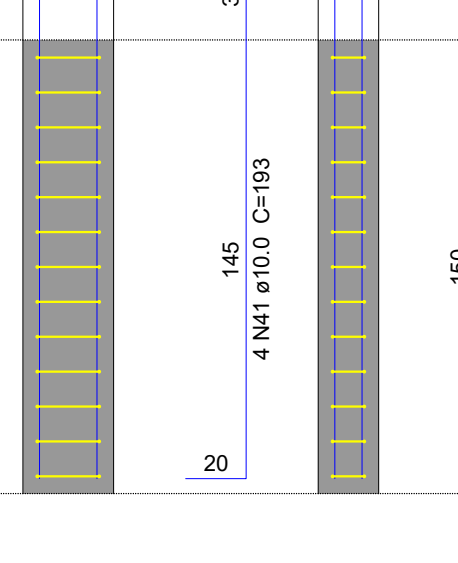
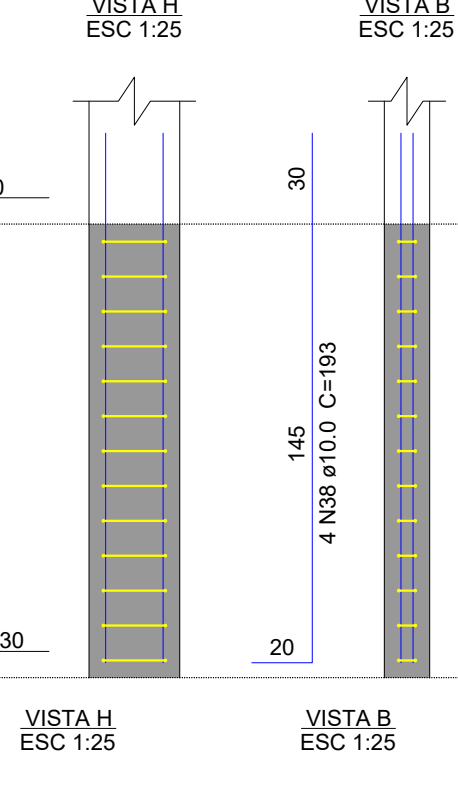
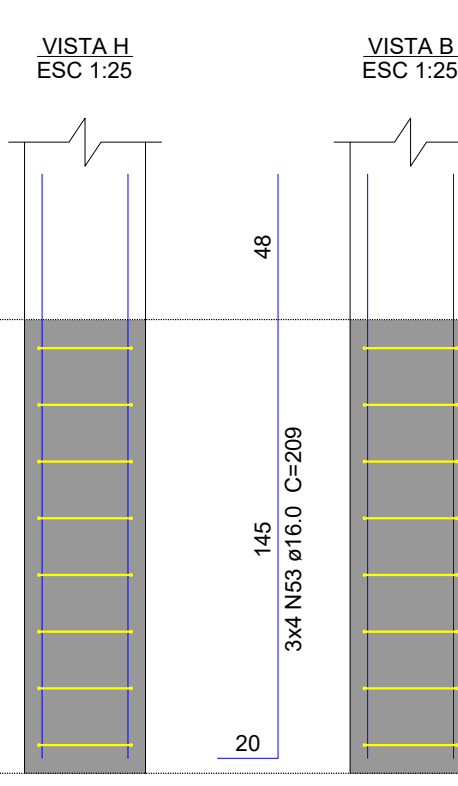
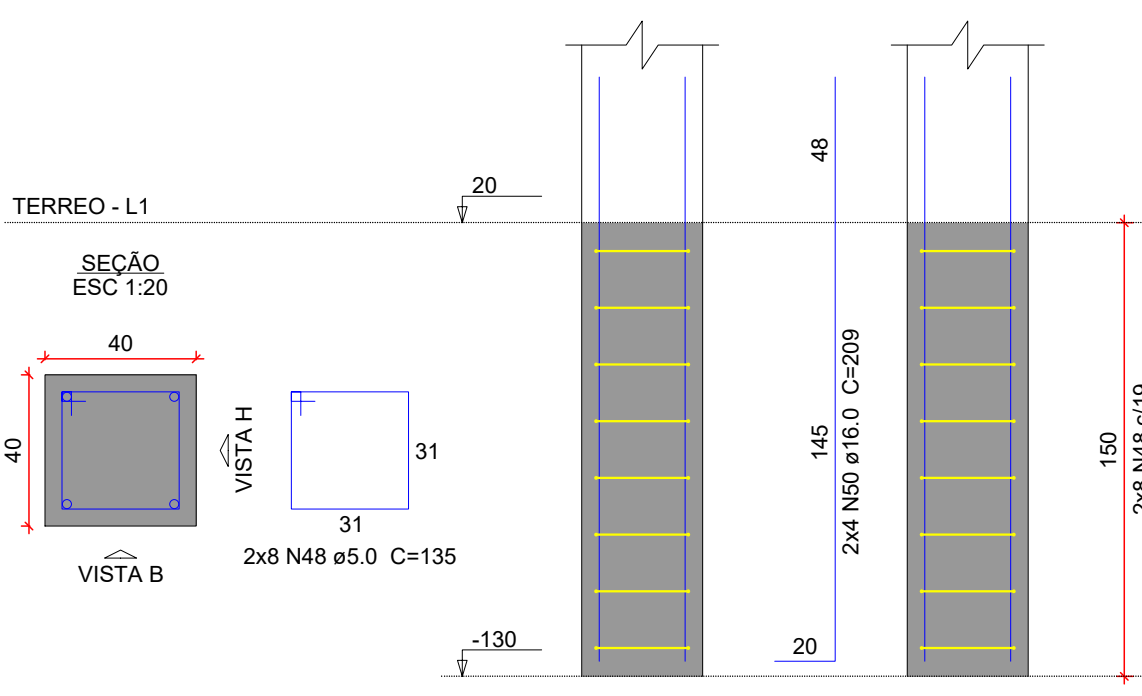
Relação do aço					
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.TOTAL (cm)
S1	CA60	1	5.0	100	95
	CA50	2	8.0	240	121
	CA50	3	12.5	40	2900
S12	CA60	4	5.0	13	69
	CA50	5	8.0	11	146
	CA50	6	8.0	13	1703
S13	CA50	7	10.0	4	193
	CA60	8	8.0	26	1690
	CA50	9	8.0	32	141
7xS14	CA50	10	8.0	26	156
	CA50	11	10.0	10	193
	CA60	12	5.0	9	65
S15	CA50	13	8.0	91	128
	CA50	14	8.0	77	141
	CA50	15	10.0	28	193
S16	CA60	16	5.0	10	65
	CA50	17	8.0	15	168
	CA50	18	10.0	12	150
S17	CA50	19	12.5	6	200
	CA60	20	5.0	52	65
	CA50	21	8.0	58	136
3xS34	CA50	22	8.0	48	151
	CA50	23	10.0	18	193
	CA60	24	5.0	13	65
2xS63	CA50	25	8.0	8	121
	CA50	26	8.0	10	106
	CA50	27	10.0	4	193
S66	CA60	28	5.0	39	65
	CA50	29	8.0	39	131
	CA50	30	8.0	33	146
S86	CA50	31	10.0	12	193
	CA60	32	5.0	20	95
	CA50	33	10.0	24	100
2xS98	CA50	34	12.5	8	1256
	CA60	35	5.0	13	65
	CA50	36	8.0	12	156
S100	CA50	37	8.0	16	136
	CA50	38	10.0	4	193
	CA60	39	5.0	13	75
S101	CA60	40	5.0	13	65
	CA50	41	10.0	12	193
	CA50	42	10.0	20	165
5xS106	CA50	43	10.0	24	145
	CA60	44	5.0	20	81
	CA50	45	10.0	24	140
S107	CA50	46	10.0	20	155
	CA50	47	16.0	16	209
	CA60	48	5.0	24	135
S108	CA50	49	10.0	60	145
	CA50	50	16.0	12	209
	CA60	51	5.0	40	135
S109	CA50	52	10.0	110	145
	CA60	53	16.0	20	209
	CA50	54	5.0	125	95
5xS117	CA50	55	8.0	384	156
	CA50	56	12.5	48	200
	CA60	57	5.0	65	65
S110	CA50	58	8.0	60	116
	CA50	59	8.0	50	131
	CA60	60	10.0	20	193
S111	CA60	61	5.0	136	95
	CA50	62	10.0	312	170
	CA50	63	12.5	48	200
S112	CA50	64	16.0	8	209
	CA60	65	5.0	113	65
	CA50	66	5.0	110	111
S113	CA50	67	10.0	336	180
	CA60	68	12.5	44	200
	CA50	69	16.0	8	209
S114	CA60	70	5.0	181	95
	CA50	71	10.0	432	165
	CA50	72	12.5	64	200
S115	CA50	73	16.0	16	209
	CA60	74	5.0	250	95
	CA50	75	8.0	616	141
S116	CA50	76	12.5	88	200
	CA60	77	5.0	13	83
	CA50	78	8.0	24	136
12xS117	CA50	79	10.0	6	193
	CA60	80	5.0	108	79
	CA50	81	8.0	84	86
2xS153	CA50	82	8.0	72	96
	CA50	83	10.0	48	143
	CA60	84	5.0	20	95
S156	CA50	85	8.0	40	106
	CA50	86	12.5	8	200
	CA60	87	5.0	180	65
S157	CA50	88	8.0	442	131
	CA50	89	12.5	68	200
	CA60	90	5.0	253	95
S158	CA60	91	5.0	13	83
	CA50	92	5.0	8	111
	CA60	93	5.0	16	40
S159	CA50	94	8.0	810	151
	CA50	95	10.0	6	193
	CA50	96	12.5	100	200
7xS189	CA50	97	16.0	16	209
	CA60	98	5.0	91	65
	CA50	99	8.0	84	121
S191	CA50	100	8.0	77	136
	CA50	101	10.0	28	193
	CA60	102	5.0	13	55
2xS192	CA50	103	8.0	13	141
	CA50	104	8.0	14	126
	CA50	105	10.0	4	193
3xS193	CA60	106	5.0	26	65
	CA50	107	8.0	24	151
	CA50	108	8.0	30	136
S194	CA50	109	10.0	12	193
	CA60	110	5.0	30	65
	CA50	111	8.0	30	136
S195	CA50	112	8.0	36	121
	CA50	113	10.0	12	193
	CA60	114	5.0	13	65
S196	CA50	115	8.0	10	131
	CA50	116	8.0	12	116
	CA50	117	10.0	4	193
2xS217	CA60	118	5.0	13	55
	CA50	119	8.0	6	91
	CA50	120	8.0	7	86
2xS221	CA50	121	10.0	4	158
	CA60	122	5.0	10	65
	CA50	123	10.0	14	160
S206	CA50	124	10.0	12	175
	CA50	125	12.5	6	200
	CA60	126	5.0	20	95
2xS221	CA50	127	10.0	60	185
	CA50	128	12.5	8	200
	CA60	129	5.0	10	95
2xS221	CA50	130	10.0	34	195
	CA50	131	12.5	4	200
	CA60	132	5.0	26	65
2xS221	CA50	133	8.0	22	136
	CA50	134	8.0	24	121
	CA50	135	10.0	8	193
2xS221	CA50	136	5.0	26	65
	CA50	137	8.0	24	128
	CA50	138	8.0	20	141
2xS221	CA50	139	10.0	8	193
	CA50	140	5.0	105	1365
	CA50	141	5.0	10	36
S227	CA60	142	8.0	10	131
	CA50	143	8.0	11	1386
	CA50	144	10.0	6	193
S84-85	CA60	145	5.0	8	135
	CA60	146	5.0	10	95
	CA60	147	5.0	7	711
S102-103	CA60	148	12.5	4	200
	CA50	149	12.5	32	278
	CA50	150	12.5	28	196
2xSM1	CA50	151	16.0	4	209
	CA60	152	5.0	8	135
	CA60	153	5.0	10	95
S30=S33=S40=S93=S94=S97=S105=S113=S114=S170=S190=S232	CA60	154	5.0	7	681
	CA50	155	12.5	4	200
	CA50	156	12.5	14	288
S42=S64=S100	CA50	157	12.5	17	253
	CA50	158	12.5	12	206
	CA50	159	12.5	15	171
S42=S64=S100	CA60	160	16.0	4	209
	CA60	161	5.0	14	355
	CA60	162	5.0	28	135
S42=S64=S100	CA60	163	5.0	56	65
	CA60	164	5.0	6	961
	CA50	165	10.0	32	106
S42=S64=S100	CA50	166	10.0	20	215
	CA50	167	10.0	32	123
	CA50	168	10.0	20	188
	CA50	169	16.0	32	156

Resumo do aço				
AÇO	DIAM (mm)	C. TOTAL (m)	PESO + 10 % (kg)	
CA50	8.0	5179.3	2248	
CA50	10.0	3130.1	2122.8	
CA50	12.5	1370.1	1451.9	
CA60	5.0	2281.3	386.8	
PESO TOTAL (kg)				
CA50	6286.7			
CA60	386.8			

Volume de concreto (C-35) = 141.42 m³
Área de forma = 513.79 m²



P42=P100



P30=P40=P105=P113=P232

