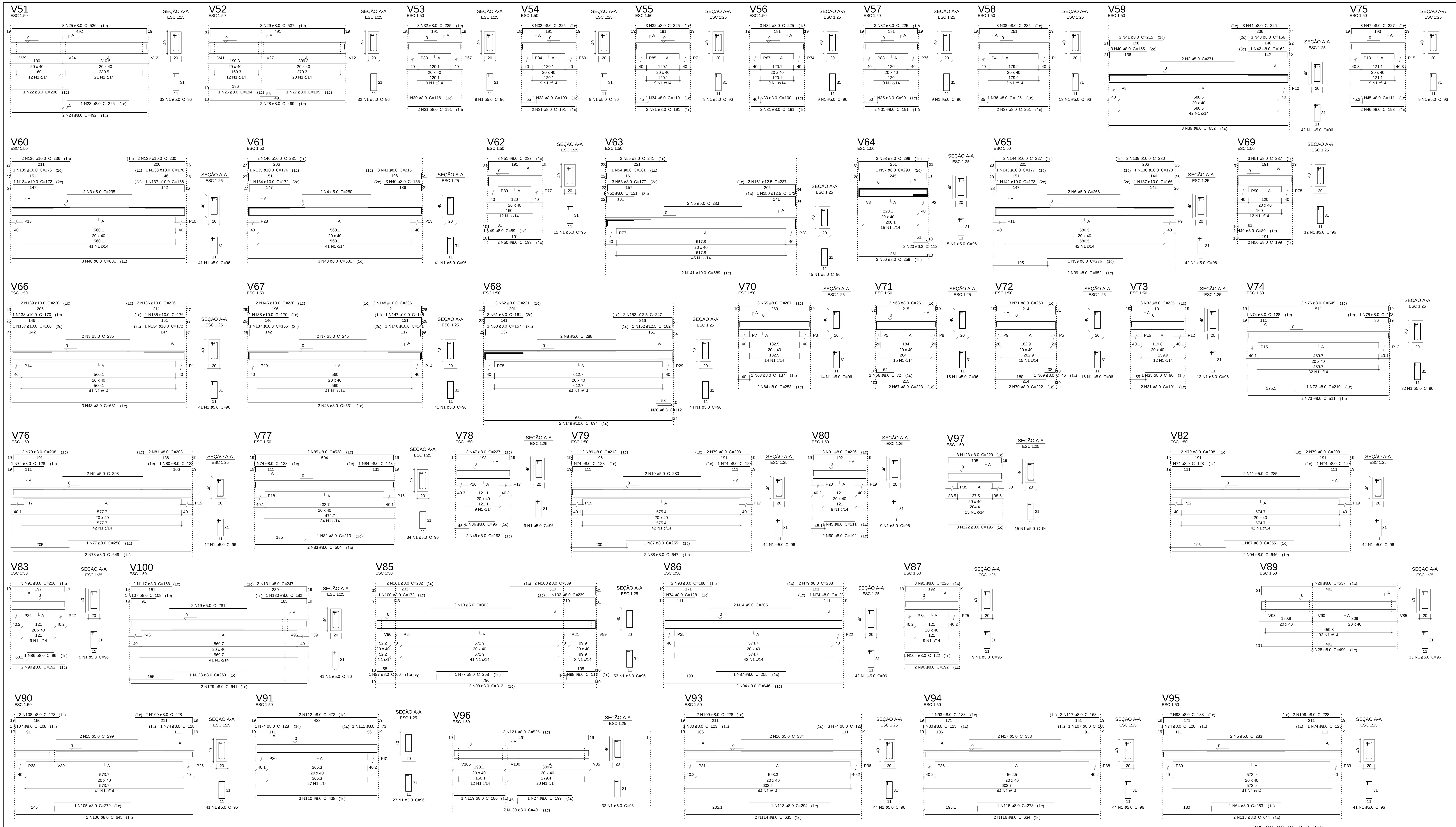
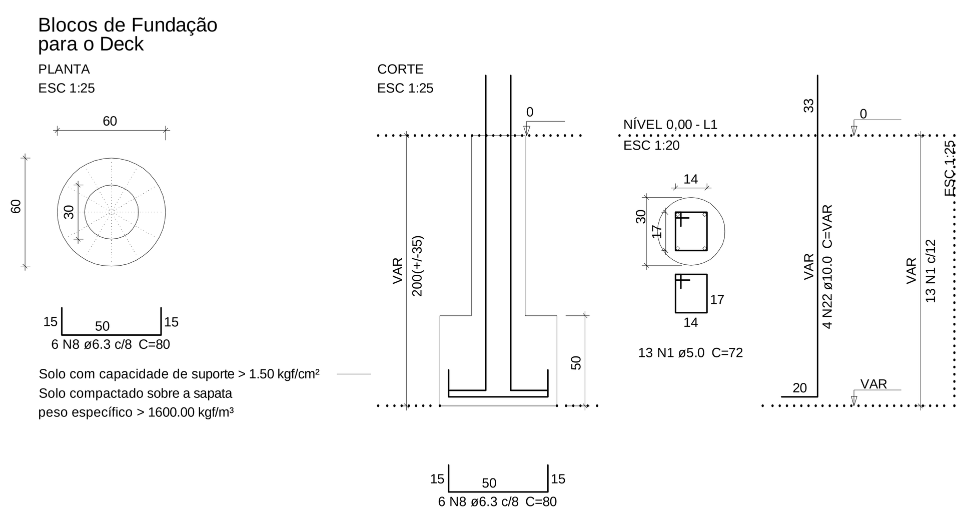


Relação do aço

6xP1	V51	V52
V53	V54	V55
V56	V57	V58
V59	V60	V61
V62	V63	V64
V65	V66	V67
V68	V69	V70
V71	V72	V73
V74	V75	V76
V80	V78	V79
V83	V87	V82
V86	V90	V85
V89	V93	V91
V95	V96	V94
V97	V100	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	1494	96	14342
	2	5.0	2	271	54
	3	5.0	4	235	94
	4	5.0	2	250	50
	5	5.0	4	283	113
	6	5.0	2	266	53
	7	5.0	2	245	49
	8	5.0	2	288	57
	9	5.0	6	293	175
	10	5.0	2	280	56
	11	5.0	2	285	57
	12	5.0	2	290	58
	13	5.0	2	303	60
	14	5.0	6	305	183
	15	5.0	2	299	59
	16	5.0	2	334	66
	17	5.0	2	333	66
	18	5.0	2	282	56
	19	5.0	2	281	56
CA50	20	6.3	3	112	33
	21	6.3	30	136	408
	22	8.0	1	208	20
	23	8.0	1	226	22
	24	8.0	2	492	98
	25	8.0	3	526	157
	26	8.0	1	194	19
	27	8.0	2	199	39
	28	8.0	5	499	249
	29	8.0	6	537	322
	30	8.0	1	116	11
	31	8.0	12	191	229
	32	8.0	18	225	405
	33	8.0	2	100	20
	34	8.0	1	110	11
	35	8.0	2	90	18
	36	8.0	1	125	12
	37	8.0	2	251	50
	38	8.0	3	285	85
	39	8.0	5	652	326
	40	8.0	6	155	93
	41	8.0	6	215	129
	42	8.0	1	162	16
	43	8.0	3	166	49
	44	8.0	3	226	67
	45	8.0	2	111	22
	46	8.0	4	193	77
	47	8.0	6	227	136
	48	8.0	12	631	757
	49	8.0	2	89	17
	50	8.0	4	199	79
	51	8.0	6	237	142
	52	8.0	1	121	12
	53	8.0	3	177	53
	54	8.0	1	181	18
	55	8.0	2	241	48
	56	8.0	3	259	77
	57	8.0	1	290	29
	58	8.0	3	299	89
	59	8.0	1	276	27
	60	8.0	1	157	15
	61	8.0	3	161	48
	62	8.0	3	221	66
	63	8.0	1	137	13
	64	8.0	4	253	101
	65	8.0	3	287	86
	66	8.0	1	72	7
	67	8.0	2	223	44
	68	8.0	3	261	78
	69	8.0	1	46	4
	70	8.0	2	222	44
	71	8.0	3	260	78
	72	8.0	1	210	21
	73	8.0	2	511	102
	74	8.0	26	128	332
	75	8.0	1	103	10
	76	8.0	2	545	109
	77	8.0	3	258	77
	78	8.0	6	649	389
	79	8.0	18	208	374
	80	8.0	7	123	86
	81	8.0	2	203	40
	82	8.0	1	213	21
	83	8.0	2	504	100
	84	8.0	1	148	14
	85	8.0	2	538	107
	86	8.0	2	96	19
	87	8.0	5	255	127
	88	8.0	2	647	129
	89	8.0	2	213	42
	90	8.0	6	192	115
	91	8.0	9	226	203
	92	8.0	2	223	44
	93	8.0	12	188	225
	94	8.0	8	646	516
	95	8.0	1	250	25
	96	8.0	2	651	130
	97	8.0	1	66	6
	98	8.0	1	113	11
	99	8.0	2	812	162
	100	8.0	1	172	17
	101	8.0	2	232	46
	102	8.0	1	239	23
	103	8.0	2	339	67
	104	8.0	1	122	12
	105	8.0	1	279	27
	106	8.0	2	645	129
	107	8.0	3	108	32
	108	8.0	2	173	34
	109	8.0	6	228	136
	110	8.0	3	438	131
	111	8.0	2	73	14
	112	8.0	2	472	94
	113	8.0	1	294	29
	114	8.0	4	635	254
	115	8.0	1	278	27
	116	8.0	2	634	126
	117	8.0	4	168	67
	118	8.0	2	644	128
	119	8.0	1	186	18
	120	8.0	2	491	98
	121	8.0	3	525	157
	122	8.0	3	195	58
	123	8.0	3	229	68
	124	8.0	3	229	68
	125	8.0	2	193	38
	126	8.0	3	514	154
	127	8.0	2	548	109
	128	8.0	1	260	26
	129	8.0	2	641	128
	130	8.0	1	182	18
	131	8.0	2	247	49
	132	8.0	1	268	26
	133	8.0	2	268	53
	134	10.0	3	172	51
	135	10.0	3	176	52
	136	10.0	4	236	94
	137	10.0	4	166	66
	138	10.0	4	170	68
	139	10.0	6	230	138
	140	10.0	2	231	46
	141	10.0	2	689	137
	142	10.0	1	173	17
	143	10.0	1	177	17
	144	10.0	2	227	45
	145	10.0	2	220	44
	146	10.0	1	141	14
	147	10.0	1	145	14
	148	10.0	2	235	47
	149	10.0	2	694	138
	150	12.5	1	172	17
	151	12.5	2	237	47
	152	12.5	1	182	18
	153	12.5	2	247	49
	154	16.0	24	VAR	VAR



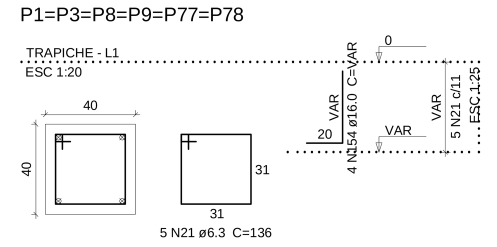
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	44.2	11.9
	8.0	1065.7	462.5
	10.0	99.4	67.4
	12.5	13.3	14
	16.0	13.5	23.3
CA60	5.0	1571	266.4

PESO TOTAL (kg)	
CA50	579.2
CA60	266.4

Volume de concreto (C-40) = 19.61 m³
Área de forma = 243.96 m²

P1=P3=P8=P9=P77=P78



OBS:
- TODAS AS MEDIDAS DEVERÃO SER CONFERIDAS NO LOCAL

PREFEITURA MUNICIPAL DE GOV. CELSO RAMOS

OBRA: REVITALIZAÇÃO DA ORLA DE GANCHOS DO MEIO - ESTRUTURAL

ENDEREÇO: PRAIA DE GANCHOS DO MEIO

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE GOVERNADOR CELSO RAMOS — CNPJ 82.892.373/0001-89

AUTORES DO PROJETO: ISMAR DA COSTA MEDEIROS — ARQUITETO DA PREFEITURA / CAU/SC A7918-9

DESENHO CAD: ISMAR

PRANCHA: 05

ESCALA: INDICADA

DATA: MARÇO/2017

ASSUNTO: - ESTRUTURAL VIGAS TRAPICHE

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