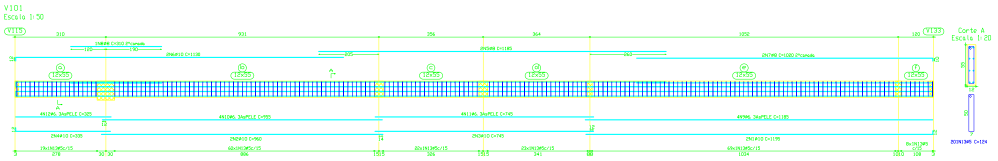

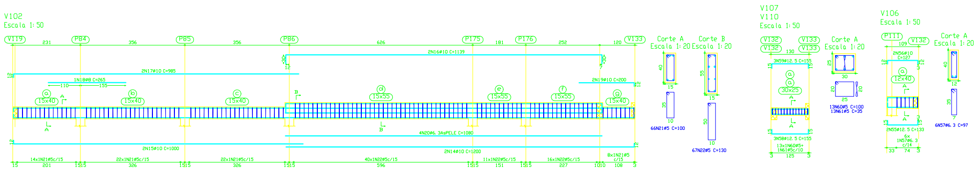

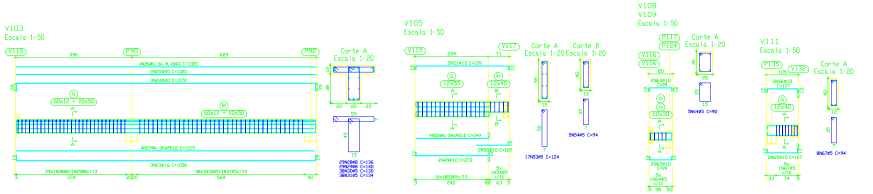

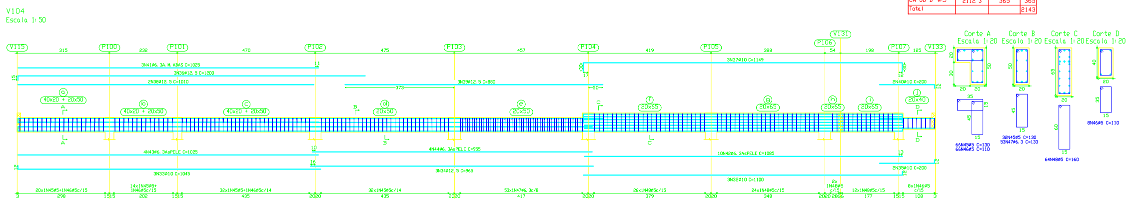

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V101	1	ø10	2		1183	12	1195	2390	15.0	
	2	ø10	2		960		960	1920	12.1	
	3	ø10	2		745		745	1490	9.4	
	4	ø10	2	12	323		335	670	4.2	
	5	ø8	2		1185		1185	2370	9.3	
	6	ø10	2	12	1118		1130	2260	14.2	
	7	ø8	2		1010	10	1020	2040	8.0	
	8	ø8	1		310		310	310	1.2	
	9	ø6.3	4		1185		1185	4740	11.7	
	10	ø6.3	4		955		955	3820	9.4	
	11	ø6.3	4		745		745	2980	7.4	
	12	ø6.3	4		325		325	1300	3.2	
	13	ø5	201				124	24924		39.1
								Total+10%	115.6	43.0
V102	14	ø10	2		1188	12	1200	2400	15.1	
	15	ø10	2	12	988		1000	2000	12.6	
	16	ø10	2	30	1079	30	1139	2278	14.3	
	17	ø10	2	12	973		985	1970	12.4	
	18	ø8	1		265		265	265	1.0	
	19	ø10	2		188	12	200	400	2.5	
	20	ø6.3	4		1080		1080	4320	10.7	
	21	ø5	66				100	6600		10.4
	22	ø5	67				130	8710		13.7
								Total+10%	75.5	26.5
V103	23	ø16	3	19	1020	19	1058	3174	49.8	
	24	ø20	3	26	1020	26	1072	3216	79.5	
	25	ø20	2		1020		1020	2040	50.4	
	26	ø6.3	4		1020		1020	4080	10.1	
	27	ø6.3	4		1015		1015	4060	10.0	
	28	ø8	29				136	3944	15.5	
	29	ø8	29				140	4060	15.9	
	30	ø5	38				130	4940		7.8
	31	ø5	38				134	5092		8.0
								Total+10%	254.3	17.4
V104	32	ø10	3		1088	12	1100	3300	20.7	
	33	ø10	3	12	1033		1045	3135	19.7	
	34	ø12.5	3		965		965	2895	28.4	
	35	ø10	2		188	12	200	400	2.5	
	36	ø12.5	3	15	1185		1200	3600	35.3	
	37	ø10	3	30	1089	30	1149	3447	21.6	
	38	ø12.5	2		1010		1010	2020	19.8	
	39	ø12.5	3		880		880	2640	25.9	
	40	ø10	2		188	12	200	400	2.5	
	41	ø6.3	3		1025		1025	3075	7.6	
	42	ø6.3	10		1085		1085	10850	26.8	
	43	ø6.3	4		1025		1025	4100	10.1	
	44	ø6.3	4		955		955	3820	9.4	
	45	ø5	98				130	12740		20.0
	46	ø5	74				110	8140		12.8
	47	ø6.3	53				133	7049	17.4	
	48	ø5	64				160	10240		16.1
								Total+10%	272.5	53.8
V105	49	ø10	2	12	249	12	273	546	3.4	
	50	ø10	2		108	12	120	240	1.5	
	51	ø10	2	12	315	12	339	678	4.3	
	52	ø6.3	4		249		249	996	2.5	
	53	ø5	16				124	1984		3.1
	54	ø5	5				94	470		0.7
								Total+10%	12.9	4.2
V106	55	ø12.5	2	15	103	15	133	266	2.6	
	56	ø10	2	12	103	12	127	254	1.6	
	57	ø6.3	6				97	582	1.4	
								Total+10%	6.2	
V107=V110	58	ø12.5	3	15	125	15	155	465	4.6	
	59	ø12.5	3	15	125	15	155	465	4.6	
	60	ø5	13				100	1300		2.0
	61	ø5	13				35	455		0.7
								Total+10%	10.1	3.0
								(x2)	20.2	6.0
V108=V109	62	ø10	2	12	75	12	99	198	1.2	
	63	ø10	2	12	75	12	99	198	1.2	
	64	ø5	5				90	450		0.7
								Total+10%	2.6	0.8
								(x2)	5.2	1.6
V111	65	ø10	2	12	103	12	127	254	1.6	
	66	ø10	2	12	103	12	127	254	1.6	
	67	ø5	8				94	752		1.2
								Total+10%	3.5	1.3
								ø5:	0.0	153.8
								ø6.3:	151.7	0.0
								ø8:	55.9	0.0
								ø10:	217.2	0.0
								ø12.5:	143.4	0.0
								ø16:	54.8	0.0
								ø20:	142.9	0.0
								Total:	765.9	153.8

REFERENTE AOS DESENHOS 24 à 26

Resumo Aço TETO TÉCNICO Vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	ø6.3	1392.7	379	
	ø8	254.8	110	
	ø10	726.1	502	
	ø12.5	491.5	531	
	ø16	65.5	113	
	ø20	52.6	143	1778
CA-60-B	ø5	2112.3	365	365
Total				2143

TETO TÉCNICO
Desenho de vigas
Concreto: C25, em geral
Aço: CA-50-A e CA-60-B
Escala vigas: 1:50
Escala seções: 1:20

PROJETOS DE ESTRUTURA
pc projetos

CLIENTE: PREFEITURA DE CABO FRIO

Local: Av. Henrique Terra – Lote 09 – Quadra 18
Novo Portinho – Cabo Frio – RJ

ESTRUTURA
ARMAÇÃO DAS VIGAS – PAVIMENTO TETO TÉCNICO (Parte 1/3)

PC–202259 | 24

P C PF TR C F E S T 2 4 AR VG T TEC R 0

PC-PFTR-CF-EST-24-AR-VG-TTEC-R0.DWG

A1 EXT.