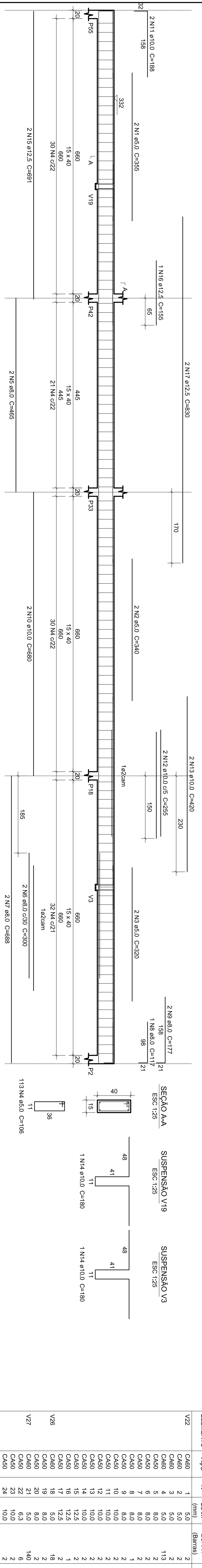
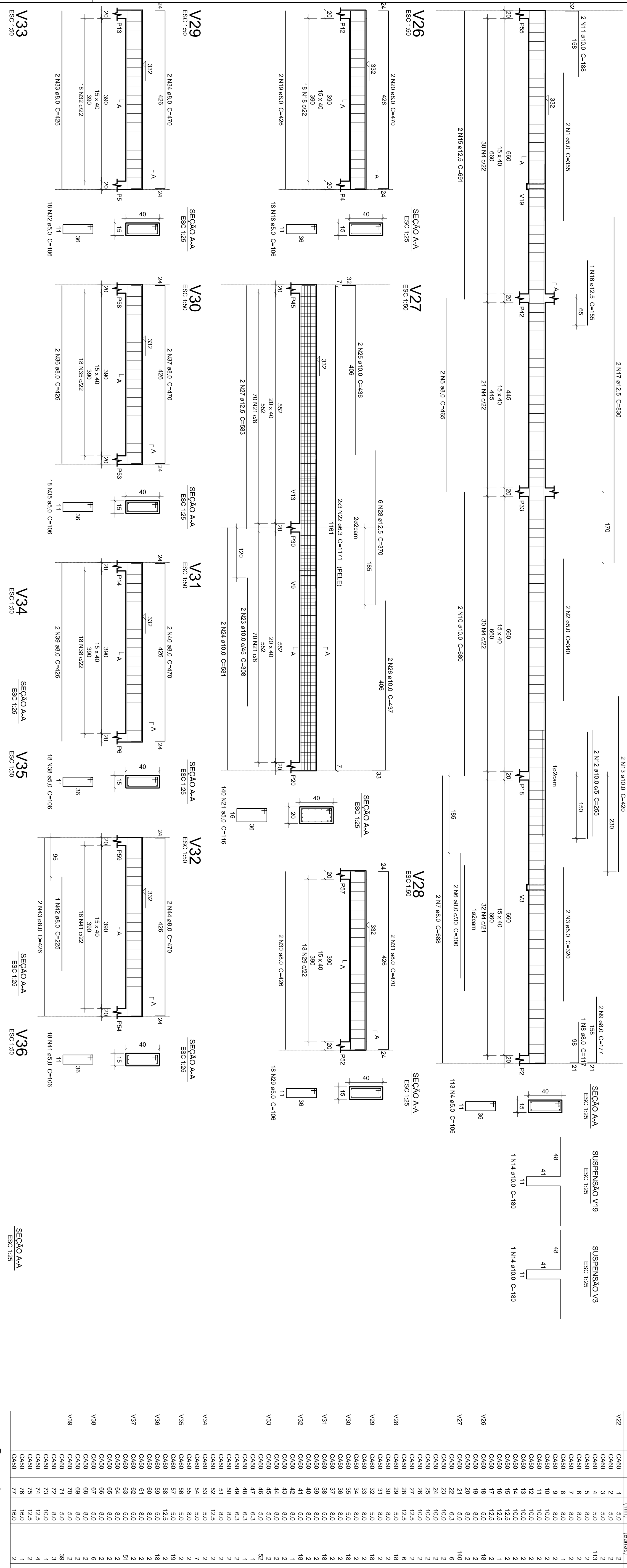


V22



ELEMENTO	ACO	N	DIAM	QUANT	UNF	C.TOTAL
	(mm)		(mm)	(Barra)	(cm)	(cm)
V22	CABO	1	5,0	2	355	710
	CABO	2	5,0	2	340	680
	CABO	3	5,0	2	320	640
	CABO	4	5,0	11	375	4125
	CABO	5	8,0	2	465	930
	CABO	6	8,0	2	300	600
	CABO	7	8,0	2	685	1370
	CABO	8	8,0	2	177	354
	CABO	9	8,0	2	177	354
	CABO	10	10,0	2	660	1360
	CABO	11	10,0	2	255	510
	CABO	12	10,0	2	188	376
	CABO	13	10,0	2	180	360
	CABO	14	10,0	2	180	360
	CABO	15	12,5	2	691	1382
	CABO	16	12,5	1	155	155
	CABO	17	12,5	2	830	1660
	CABO	18	12,5	2	830	1660
	CABO	19	8,0	2	425	850
	CABO	20	8,0	2	470	940
	CABO	21	5,0	140	116	1624
	CABO	22	6,3	6	177	1062
	CABO	23	6,3	2	116	232
	CABO	24	10,0	2	891	1782
	CABO	25	10,0	2	435	870
	CABO	26	10,0	2	437	874
	CABO	27	12,5	2	585	1170
	CABO	28	12,5	2	585	1170
	CABO	29	5,0	18	105	1590
	CABO	30	8,0	18	105	1590
	CABO	31	8,0	2	425	852
	CABO	32	5,0	18	105	1590
	CABO	33	5,0	18	105	1590
	CABO	34	8,0	2	470	940
	CABO	35	5,0	18	105	1590
	CABO	36	8,0	2	425	852
	CABO	37	5,0	12	225	270
	CABO	38	5,0	12	225	270
	CABO	39	8,0	2	425	852
	CABO	40	8,0	2	470	940
	CABO	41	5,0	18	105	1590
	CABO	42	5,0	18	105	1590
	CABO	43	8,0	2	425	852
	CABO	44	8,0	2	470	940
	CABO	45	5,0	2	205	410
	CABO	46	5,0	52	105	5512
	CABO	47	6,3	2	185	370
	CABO	48	6,3	1	285	285
	CABO	49	6,3	2	331	662
	CABO	50	8,0	2	1033	2126
	CABO	51	8,0	2	190	380
	CABO	52	5,0	2	165	330
	CABO	53	5,0	2	165	330
	CABO	54	5,0	7	105	735
	CABO	55	8,0	2	165	330
	CABO	56	12,5	2	425	850
	CABO	57	5,0	12	225	270
	CABO	58	5,0	12	225	270
	CABO	59	5,0	18	105	1590
	CABO	60	8,0	2	425	852
	CABO	61	5,0	2	470	940
	CABO	62	5,0	2	470	940
	CABO	63	5,0	51	105	5406
	CABO	64	8,0	2	1181	2322
	CABO	65	8,0	2	225	450
	CABO	66	8,0	2	225	450
	CABO	67	5,0	4	225	900
	CABO	68	8,0	2	182	364
	CABO	69	8,0	2	180	360
	CABO	70	5,0	3	385	770
	CABO	71	8,0	1	95	190
	CABO	72	8,0	1	180	180
	CABO	73	10,0	4	235	940
	CABO	74	12,5	2	691	1382
	CABO	75	12,5	2	691	1382
	CABO	76	12,5	2	691	1382
	CABO	77	16,0	2	295	590

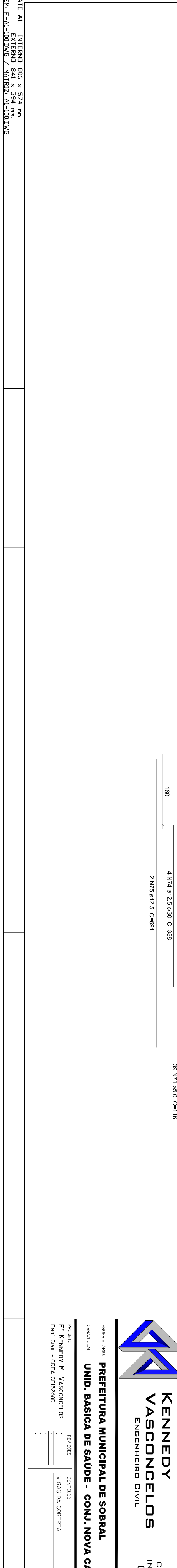
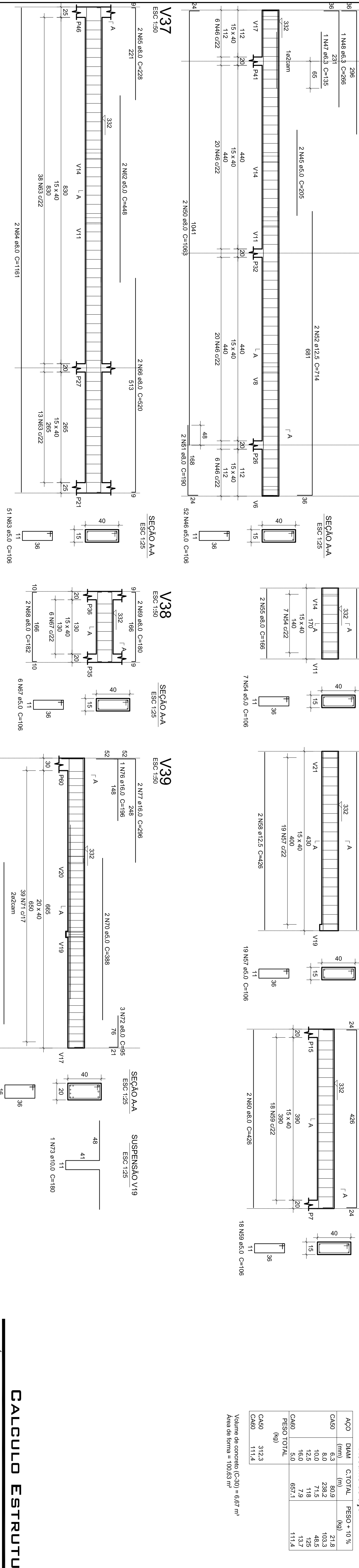
Relação do aço



Resumo do aço

ACO	DIAM	C.TOTAL	PESO + 10%
(mm)	(mm)	(kg)	(kg)
CABO	6,3	80,9	21,5
CABO	8,0	238,2	103,3
CABO	12,5	115	125
CABO	18,0	7,9	13,7
CABO	5,0	657,1	114,4
PESO TOTAL			
CABO	312,3		
CABO	111,4		

Volume de concreto (C=20) = 6,87 m³
 Área de forma = 100,05 m²



CALCULO ESTRUTURAL

KENNEDY VASCONCELOS
ENGENHEIRO CIVIL

CALCULO ESTRUTURAL
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PREFEITURA MUNICIPAL DE SOBRAL
UNID. BASICA DE SAUDE - CONJ. NOVA CAICARA - SOBRAL - CE

PROJETO DE: **ENGENHEIRO**
 DESAF. DE: **ENGENHEIRO**
 FICHA: **ENGENHEIRO**
 EM: **ENGENHEIRO**
 DATA: **16/20**