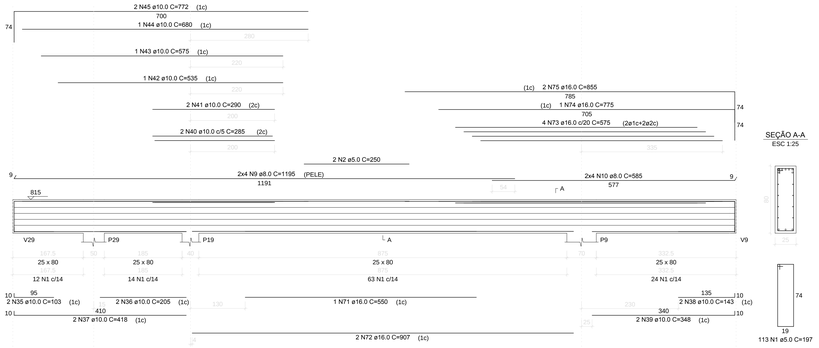
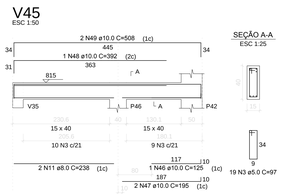
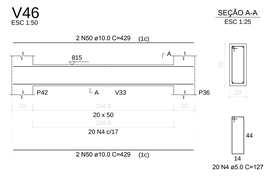
V44
ESC 1:50



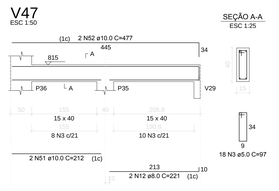
V45
ESC 1:50



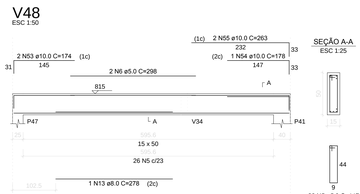
V46
ESC 1:50



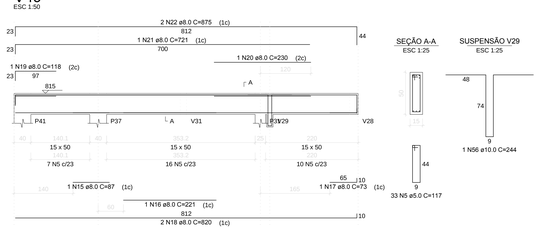
V47
ESC 1:50



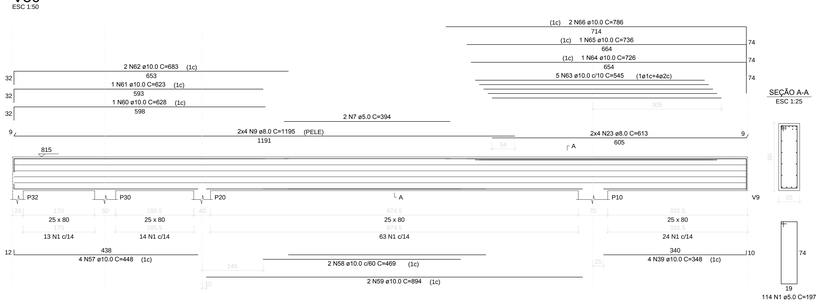
V48
ESC 1:50



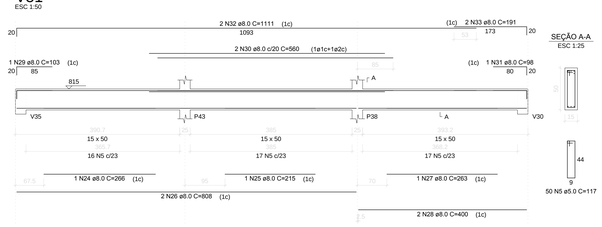
V49
ESC 1:50



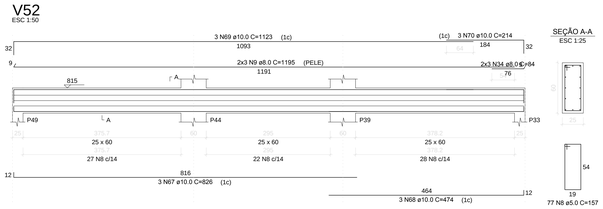
V50
ESC 1:50



V51
ESC 1:50



V52
ESC 1:50



RELAÇÃO DO AÇO

V44 V45 V46
V47 V48 V49
V50 V51 V52

AÇO	N.	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	20	187	34170
	2	5.0	2	350	6020
	3	5.0	2	368	6580
	4	5.0	20	127	25540
	5	5.0	162	127	102763
	6	5.0	2	298	596
	7	5.0	2	394	788
	8	5.0	22	157	12089
CA50	9	8.0	2	1189	26058
	10	8.0	2	388	8530
	11	8.0	1	235	470
	12	8.0	1	221	442
	13	8.0	1	223	223
	14	8.0	1	655	1965
	15	8.0	1	87	87
	16	8.0	1	721	721
	17	8.0	1	73	219
	18	8.0	1	820	1640
	19	8.0	1	118	236
	20	8.0	1	197	197
	21	8.0	1	731	731
	22	8.0	1	875	1750
	23	8.0	4	613	4904
	24	8.0	2	393	786
	25	8.0	1	215	215
	26	8.0	1	689	1015
	27	8.0	1	263	263
	28	8.0	1	400	800
	29	8.0	1	103	103
	30	8.0	1	560	1120
	31	8.0	1	98	98
	32	8.0	1	1111	1111
	33	8.0	1	191	191
	34	8.0	1	84	84
	35	10.0	2	103	206
	36	10.0	2	205	410
	37	10.0	2	418	836
	38	10.0	2	143	286
	39	10.0	2	348	696
	40	10.0	2	285	570
	41	10.0	2	539	1078
	42	10.0	2	535	1070
	43	10.0	2	680	1360
	44	10.0	2	772	1544
	45	10.0	2	133	266
	46	10.0	2	129	258
	47	10.0	2	393	786
	48	10.0	2	477	954
	49	10.0	2	429	1716
	50	10.0	2	429	858
	51	10.0	2	424	424
	52	10.0	2	477	954
	53	10.0	2	429	858
	54	10.0	2	178	178
	55	10.0	2	263	526
	56	10.0	2	242	242
	57	10.0	2	446	1784
	58	10.0	2	469	938
	59	10.0	2	894	1788
	60	10.0	2	628	628
	61	10.0	2	623	623
	62	10.0	2	683	1366
	63	10.0	2	593	1186
	64	10.0	2	628	628
	65	10.0	2	736	736
	66	10.0	2	786	786
	67	10.0	2	874	1748
	68	10.0	2	474	948
	69	10.0	3	1123	3369
	70	10.0	2	214	428
	71	16.0	1	907	907
	72	16.0	1	550	550
	73	16.0	1	575	2300
	74	16.0	1	775	775
	75	16.0	1	855	1710

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	534.6	329.3
	10.0	354.0	218.9
	16.0	175.1	110.5
CA60	5.0	775.1	119.5

PESO TOTAL (kg)

CA50 534.6
CA60 119.5

Volume de concreto (C-30) = 11.76 m³
Área de forma = 126.63 m²

Notas:
01 NBR6118:2014 – Classe de Agressividade Ambiental = II (estrutura revestida).
02 NBR6118:2014 – Concreto com fck=30MPa – Aço CA-50.
03 NBR6118:2014 – Cobrimentos fixados nas respectivas plantas de detalhes de armações. Controle rigoroso das formas.
04 Unidades: diâmetro do aço em milímetro; espaçamento e comprimento em centímetro; níveis em metro.

ENGEDER
ENGENHARIA E ARQUITETURA
Avenida Atlântica, 80 – Itapirubá – Imbituba/SC – fone: (48)3255-3163

OBRA: PRÉDIO MEDICINA – C. TEÓFILO OTONI
PROPRIETÁRIO: UFVJM – MG

AUTOR: MAICON M. MORAIS–CREA/SC 129409–0
ESCALA: INDICADA
PRANCHA: 32/41
DESENHO: MAICON
RESP. TÉCNICO: Eng. Maicon M. Morais –CREA/SC 129409–0
DATA: Setembro/2018

CONTEÚDO: Armação vigas barrilete (nível 815).
Nº DESENHO: UFV-ENG-EST-PE-032
AREA: 1551,00 m²