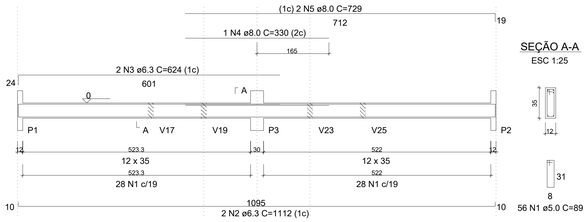
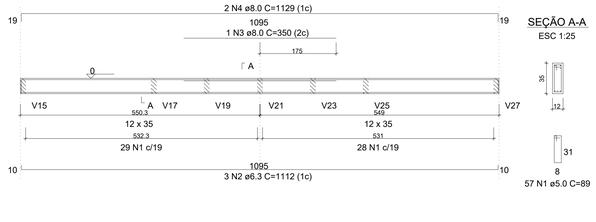
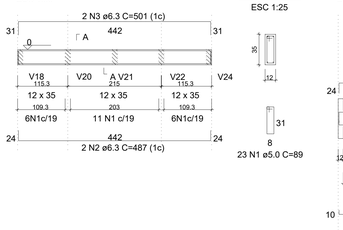
V1 (12 x 35)
ESC 1:50



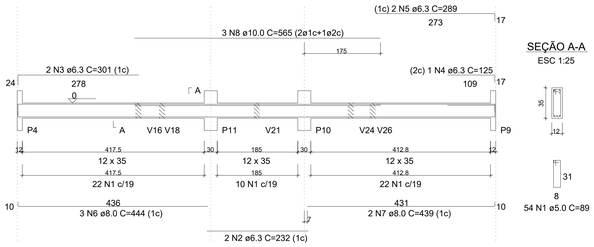
V2 (12 x 35)
ESC 1:50



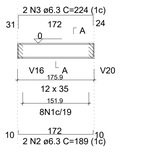
V3 (12 x 35)
ESC 1:50



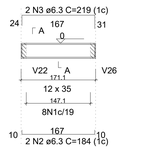
V4 (12 x 35)
ESC 1:50



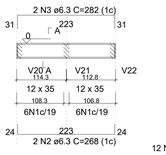
V5 (12 x 35)
ESC 1:50



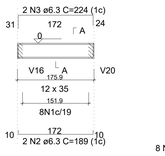
V6 (12 x 35)
ESC 1:50



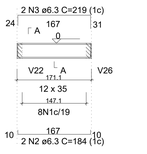
V7 (12 x 35)
ESC 1:50



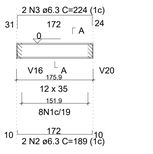
V8 (12 x 35)
ESC 1:50



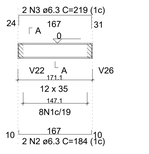
V9 (12 x 35)
ESC 1:50



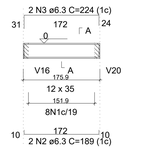
V10 (12 x 35)
ESC 1:50



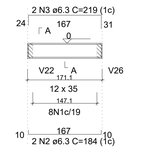
V11 (12 x 35)
ESC 1:50



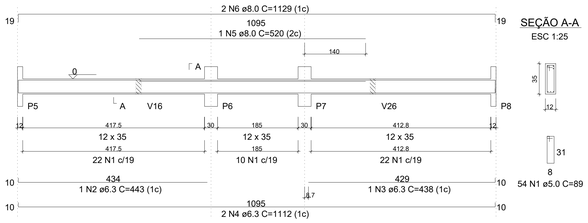
V12 (12 x 35)
ESC 1:50



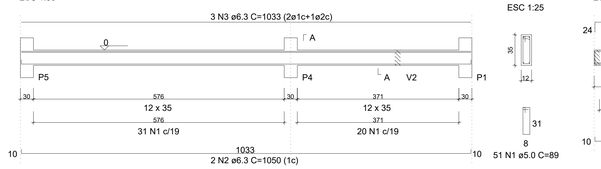
V13 (12 x 35)
ESC 1:50



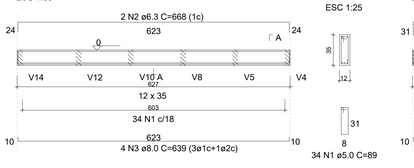
V14 (12 x 35)
ESC 1:50



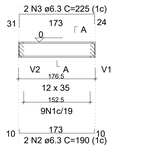
V15 (12 x 35)
ESC 1:50



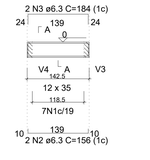
V16 (12 x 35)
ESC 1:50



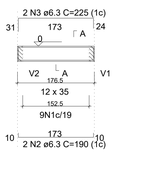
V17 (12 x 35)
ESC 1:50



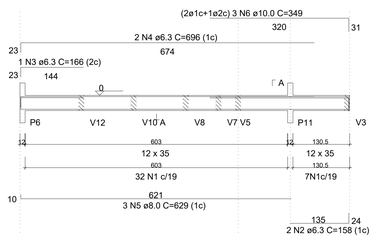
V18 (12 x 35)
ESC 1:50



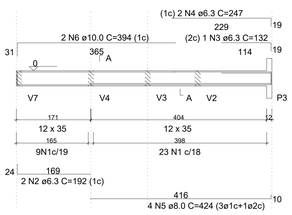
V19 (12 x 35)
ESC 1:50



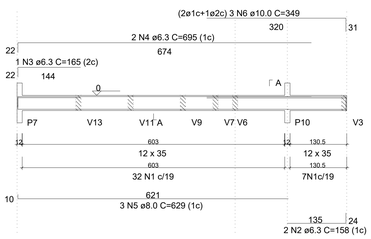
V20 (12 x 35)
ESC 1:50



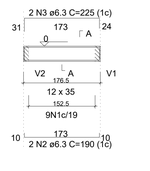
V21 (12 x 35)
ESC 1:50



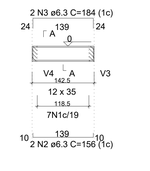
V22 (12 x 35)
ESC 1:50



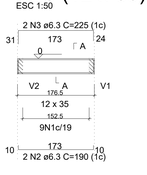
V23 (12 x 35)
ESC 1:50



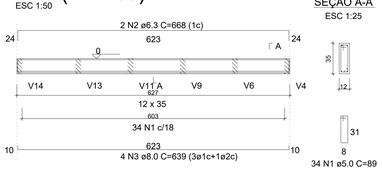
V24 (12 x 35)
ESC 1:50



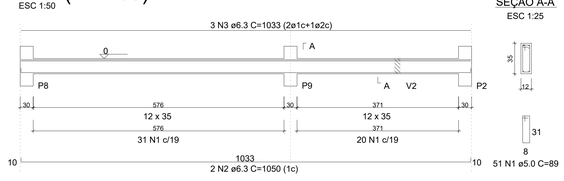
V25 (12 x 35)
ESC 1:50



V26 (12 x 35)
ESC 1:50



V27 (12 x 35)
ESC 1:50



RELAÇÃO DO AÇO

ELEMENTO	AÇO Nº		DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
V1	CA60	1	5.0	56	89	4984
	CA50	2	6.3	2	1112	2224
	CA50	3	6.3	2	624	1248
	CA50	4	8.0	1	330	330
	CA50	5	8.0	2	729	1458
V2	CA60	1	5.0	57	89	5073
	CA50	2	6.3	3	1112	3336
	CA50	3	8.0	1	350	350
	CA50	4	8.0	2	1129	2258
V3	CA60	1	5.0	23	89	2047
	CA50	2	6.3	2	487	974
	CA50	3	6.3	2	501	1002
V4	CA60	1	5.0	54	89	4806
	CA50	2	6.3	2	232	464
	CA50	3	6.3	2	301	602
	CA50	4	6.3	1	125	125
	CA50	5	6.3	2	289	578
	CA50	6	8.0	3	444	1332
	CA50	7	8.0	2	439	878
	CA50	8	10.0	3	565	1695
V5	CA60	1	5.0	8	89	712
	CA50	2	6.3	2	189	378
	CA50	3	6.3	2	224	448
V6	CA60	1	5.0	8	89	712
	CA50	2	6.3	2	184	368
	CA50	3	6.3	2	219	438
V7	CA60	1	5.0	12	89	1068
	CA50	2	6.3	2	268	536
	CA50	3	6.3	2	282	564
V8	CA60	1	5.0	8	89	712
	CA50	2	6.3	2	189	378
	CA50	3	6.3	2	224	448
V9	CA60	1	5.0	8	89	712
	CA50	2	6.3	2	184	368
	CA50	3	6.3	2	219	438
V10	CA60	1	5.0	8	89	712
	CA50	2	6.3	2	189	378
	CA50	3	6.3	2	224	448
V11	CA60	1	5.0	8	89	712
	CA50	2	6.3	2	184	368
	CA50	3	6.3	2	219	438
V12	CA60	1	5.0	8	89	712
	CA50	2	6.3	2	189	378
	CA50	3	6.3	2	224	448
V13	CA60	1	5.0	8	89	712
	CA50	2	6.3	2	184	368
	CA50	3	6.3	2	219	438
V14	CA60	1	5.0	54	89	4806
	CA50	2	6.3	1	443	443
	CA50	3	6.3	1	438	438
	CA50	4	6.3	2	1112	2224
	CA50	5	8.0	1	520	520
	CA50	6	8.0	2	1129	2258
V15	CA60	1	5.0	51	89	4539
	CA50	2	6.3	2	1050	2100
	CA50	3	6.3	3	1033	3099
V16	CA60	1	5.0	34	89	3026
	CA50	2	6.3	2	668	1336
	CA50	3	8.0	4	639	2556
V17	CA60	1	5.0	9	89	801
	CA50	2	6.3	2	190	380
	CA50	3	6.3	2	225	450
V18	CA60	1	5.0	7	89	623
	CA50	2	6.3	2	156	312
	CA50	3	6.3	2	184	368
V19	CA60	1	5.0	9	89	801
	CA50	2	6.3	2	190	380
	CA50	3	6.3	2	225	450
V20	CA60	1	5.0	39	89	3471
	CA50	2	6.3	2	158	316
	CA50	3	6.3	1	166	166
	CA50	4	6.3	2	696	1392
	CA50	5	8.0	3	629	1887
	CA50	6	10.0	3	349	1047
V21	CA60	1	5.0	32	89	2848
	CA50	2	6.3	2	192	384
	CA50	3	6.3	1	132	132
	CA50	4	6.3	2	247	494
	CA50	5	8.0	4	424	1696
	CA50	6	10.0	2	394	788
V22	CA60	1	5.0	39	89	3471
	CA50	2	6.3	2	158	316
	CA50	3	6.3	1	165	165
	CA50	4	6.3	2	695	1390
	CA50	5	8.0	3	629	1887
	CA50	6	10.0	3	349	1047
V23	CA60	1	5.0	9	89	801
	CA50	2	6.3	2	190	380
	CA50	3	6.3	2	225	450
V24	CA60	1	5.0	7	89	623
	CA50	2	6.3	2	156	312
	CA50	3	6.3	2	184	368
V25	CA60	1	5.0	9	89	801
	CA50	2	6.3	2	190	380
	CA50	3	6.3	2	225	450
V26	CA60	1	5.0	34	89	3026
	CA50	2	6.3	2	668	1336
	CA50	3	8.0	4	639	2556
V27	CA60	1	5.0	51	89	4539
	CA50	2	6.3	2	1050	2100
	CA50	3	6.3	3	1033	3099

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 0% (Barras)	PESO + 0% (kg)
CA50	6.3	437.9	37	107.2
	8.0	199.7	17	78.8
	10.0	45.8	4	28.2
CA60	5.0	578.5	-	89.2

PESO TOTAL (kg)	
CA50	214.2
CA60	89.2

Volume de concreto (C-25) = 5.41 m³

Área de forma = 105.61 m²

MINISTÉRIO DA DEFESA PCN PROGRAMA CALHA NORTE	CalhaNorte	ANO: 2024	TIPO: EST.	FOLHA: 13	SECRETARIA MUNICIPAL DE OBRAS E INFRAESTRUTURA
Convenente: PREFEITURA MUNICIPAL DE MUCAJAÍ		Local: Vila da penha Mucajaí, RR			MODIFICAÇÕES
Obra: CAMPO DE FUTEBOL ESTRUTURAL		Alexandre Rodrigues Melo Engenheiro Civil CREA-RR 0016529433		Componente:	A: B: C:
Autor:		Desenho:		Data: 10/2023	D:
Prefeito Municipal: Eronildes Aparecida Gonçalves				Dim: METRO	E:
Responsável Técnico: Eng. Alexandre Rodrigues Melo				Esc: INDICADA	F: