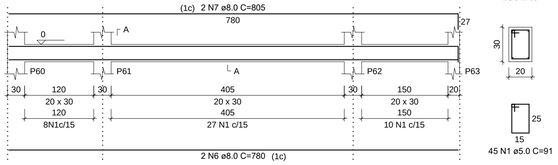
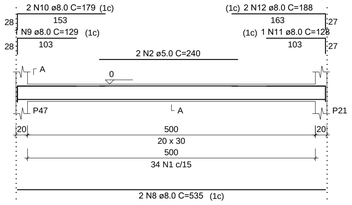
V24
ESC 1:50

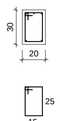


SEÇÃO A-A
ESC 1:25

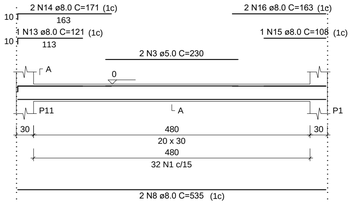
V25
ESC 1:50



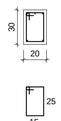
SEÇÃO A-A
ESC 1:25



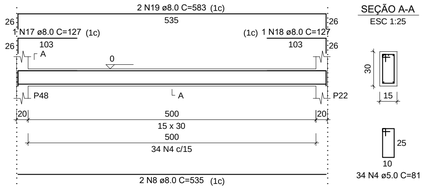
V26
ESC 1:50



SEÇÃO A-A
ESC 1:25

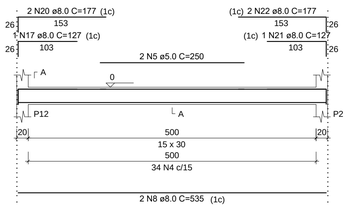


V27
ESC 1:50

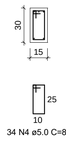


SEÇÃO A-A
ESC 1:25

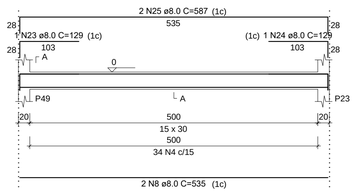
V28
ESC 1:50



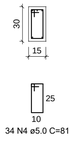
SEÇÃO A-A
ESC 1:25



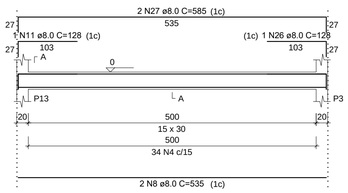
V29
ESC 1:50



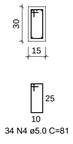
SEÇÃO A-A
ESC 1:25



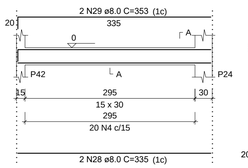
V30
ESC 1:50



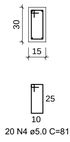
SEÇÃO A-A
ESC 1:25



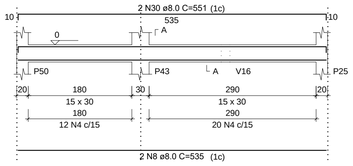
V31
ESC 1:50



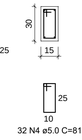
SEÇÃO A-A
ESC 1:25



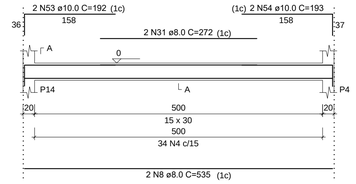
V32
ESC 1:50



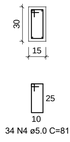
SEÇÃO A-A
ESC 1:25



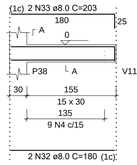
V33
ESC 1:50



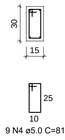
SEÇÃO A-A
ESC 1:25



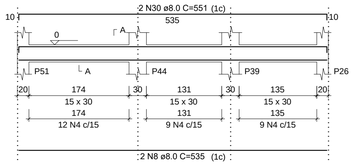
V34
ESC 1:50



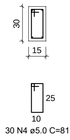
SEÇÃO A-A
ESC 1:25



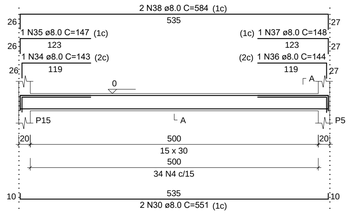
V35
ESC 1:50



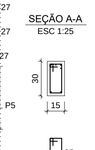
SEÇÃO A-A
ESC 1:25



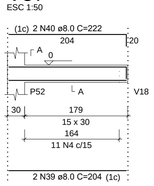
V36
ESC 1:50



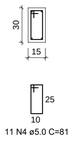
SEÇÃO A-A
ESC 1:25



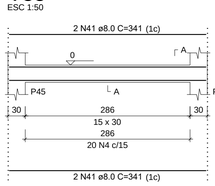
V37
ESC 1:50



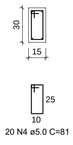
SEÇÃO A-A
ESC 1:25



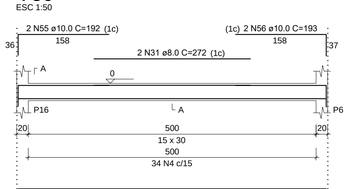
V38
ESC 1:50



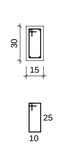
SEÇÃO A-A
ESC 1:25



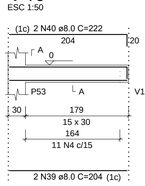
V39
ESC 1:50



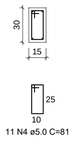
SEÇÃO A-A
ESC 1:25



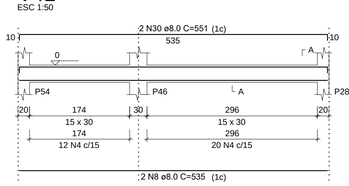
V40
ESC 1:50



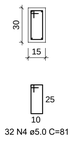
SEÇÃO A-A
ESC 1:25



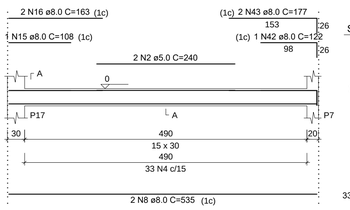
V41
ESC 1:50



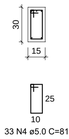
SEÇÃO A-A
ESC 1:25



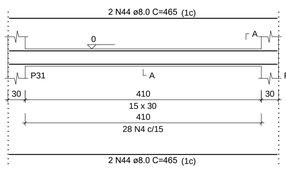
V42
ESC 1:50



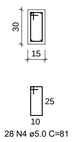
SEÇÃO A-A
ESC 1:25



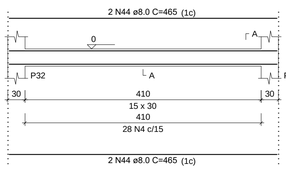
V43
ESC 1:50



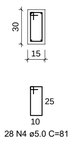
SEÇÃO A-A
ESC 1:25



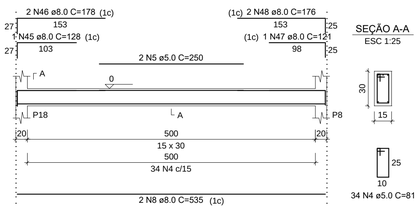
V44
ESC 1:50



SEÇÃO A-A
ESC 1:25

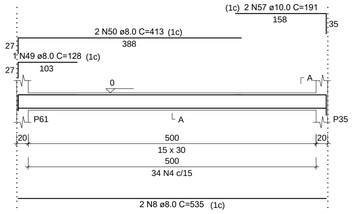


V45
ESC 1:50

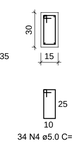


SEÇÃO A-A
ESC 1:25

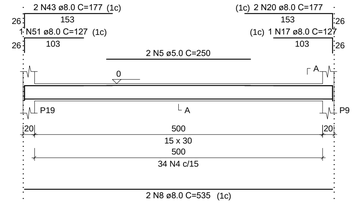
V46
ESC 1:50



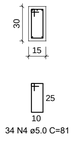
SEÇÃO A-A
ESC 1:25



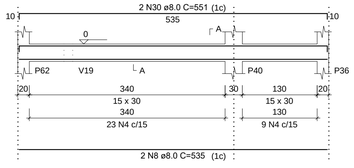
V47
ESC 1:50



SEÇÃO A-A
ESC 1:25

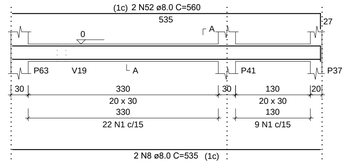


V48
ESC 1:50



SEÇÃO A-A
ESC 1:25

V49
ESC 1:50



SEÇÃO A-A
ESC 1:25

RELAÇÃO DO AÇO

V24	V25	V26
V27	V28	V29
V30	V31	V32
V33	V34	V35
V36	V37	V38
V39	V40	V41
V42	V43	V44
V45	V46	V47
V48	V49	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	142	91	12922
	2	5.0	4	240	960
	3	5.0	2	230	460
	4	5.0	626	81	50706
	5	5.0	6	250	1500
CA50	6	8.0	2	780	1560
	7	8.0	2	805	1610
	8	8.0	34	535	18190
	9	8.0	1	129	129
	10	8.0	2	179	358
	11	8.0	2	128	256
	12	8.0	2	188	376
	13	8.0	1	121	121
	14	8.0	2	171	342
	15	8.0	2	108	216
	16	8.0	4	163	652
	17	8.0	3	127	381
	18	8.0	1	127	127
	19	8.0	2	583	1166
	20	8.0	4	177	708
	21	8.0	1	127	127
	22	8.0	2	177	354
	23	8.0	1	129	129
	24	8.0	1	129	129
	25	8.0	2	587	1174
	26	8.0	1	128	128
	27	8.0	2	585	1170
	28	8.0	2	335	670
	29	8.0	2	353	706
	30	8.0	10	551	5510
	31	8.0	4	272	1088
	32	8.0	2	180	360
	33	8.0	2	203	406
	34	8.0	1	143	143
	35	8.0	1	147	147
	36	8.0	1	144	144
	37	8.0	1	148	148
	38	8.0	2	584	1168
	39	8.0	4	204	816
	40	8.0	4	222	888
	41	8.0	4	341	1364
	42	8.0	1	122	122
	43	8.0	4	177	708
	44	8.0	8	465	3720
	45	8.0	1	128	128
	46	8.0	2	178	356
	47	8.0	1	121	121
	48	8.0	2	176	352
	49	8.0	1	128	128
	50	8.0	2	413	826
	51	8.0	1	127	127
	52	8.0	2	560	1120
	53	10.0	2	192	384
	54	10.0	2	193	386
	55	10.0	2	192	384
	56	10.0	2	193	386
	57	10.0	2	191	382

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	506.7	219.9
	10.0	19.2	13
CA60	5.0	665.5	112.8

PESO TOTAL (kg)	
CA50	233
CA60	112.8

Volume de concreto (C-25) = 6.09 m³
Área de forma = 96.71 m²

PREFEITURA MUNICIPAL DE GRÃO MOGOL/MG

JM ASSESSORIA SERVIÇOS E CONSTRUÇÕES LTDA

OBRA/SERVIÇO:
CONSTRUÇÃO - ESCOLA MUNICIPAL AFRÂNIO AUGUSTO FIGUEIREDO (ANEXO I)

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE GRÃO MOGOL/MG

DIEGO ANTONIO BRAGA:05052706685
Assinado de forma digital por DIEGO ANTONIO BRAGA FAGUNDES:05052706685 Dados: 2022.09.30 15:33:03 -03'00'

DIEGO ANTÔNIO BRAGA FAGUNDES
PREFEITO MUNICIPAL

ENDEREÇO: RUA PRINCIPAL S/N - DISTRITO DE BARROCÃO - GRÃO MOGOL/MG

PROJETO: PROJETO ESTRUTURAL

RESPONSÁVEL TÉCNICO:
RODRIGO ROCHA RIBEIRO:11778467644
Assinado de forma digital por RODRIGO ROCHA RIBEIRO:11778467644 Dados: 2022.09.30 14:11:44 -03'00'

RODRIGO ROCHA RIBEIRO
ENGº CIVIL - CREA/MG: 221910/D

ÁREAS:
ÁREA TERRENO..... 4.741,96m²
ÁREA TOTAL CONSTRUÇÃO..... 507,24m²

NÚMERO ART: MG 2022 150 2900

NÚMERO CONTRATO:

DATA: SETEMBRO/2022

ESCALA: INDICADA

FOLHA: 06/10