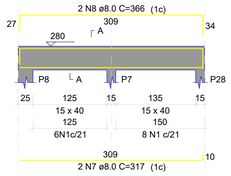
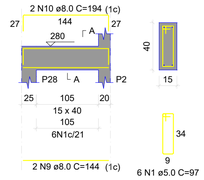
V1
ESC 1:50



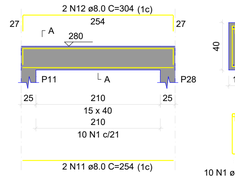
SEÇÃO A-A
ESC 1:25

V2
ESC 1:50



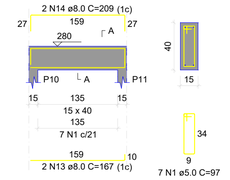
SEÇÃO A-A
ESC 1:25

V3
ESC 1:50



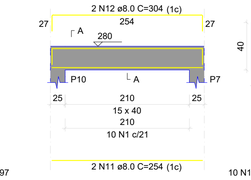
SEÇÃO A-A
ESC 1:25

V4
ESC 1:50



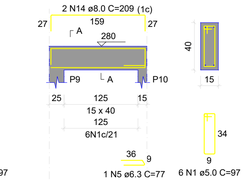
SEÇÃO A-A
ESC 1:25

V5
ESC 1:50



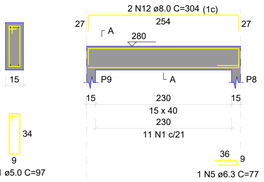
SEÇÃO A-A
ESC 1:25

V6
ESC 1:50



SEÇÃO A-A
ESC 1:25

V7
ESC 1:50

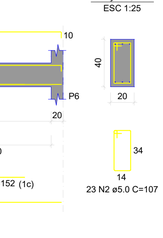


SEÇÃO A-A
ESC 1:25

V8
ESC 1:50

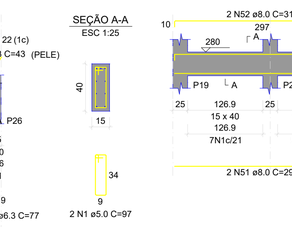
SEÇÃO A-A
ESC 1:25

V9
ESC 1:50



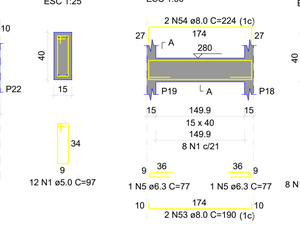
SEÇÃO A-A
ESC 1:25

V10
ESC 1:50



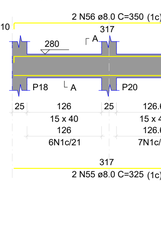
SEÇÃO A-A
ESC 1:25

V11
ESC 1:50



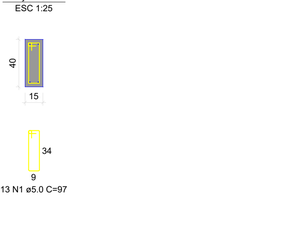
SEÇÃO A-A
ESC 1:25

V12
ESC 1:50



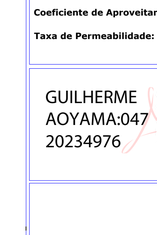
SEÇÃO A-A
ESC 1:25

V13
ESC 1:50



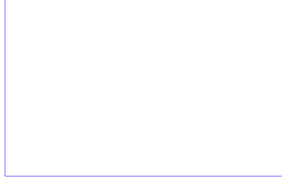
SEÇÃO A-A
ESC 1:25

V14
ESC 1:50



SEÇÃO A-A
ESC 1:25

V15
ESC 1:50



SEÇÃO A-A
ESC 1:25

V16
ESC 1:50

SEÇÃO A-A
ESC 1:25

V17
ESC 1:50

SEÇÃO A-A
ESC 1:25

V18
ESC 1:50

SEÇÃO A-A
ESC 1:25

V19
ESC 1:50

SEÇÃO A-A
ESC 1:25

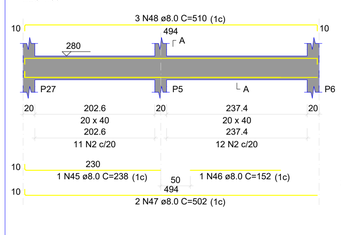
V20
ESC 1:50

SEÇÃO A-A
ESC 1:25

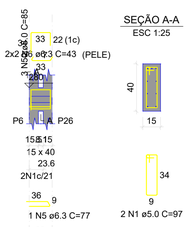
V21
ESC 1:50

V22
ESC 1:50

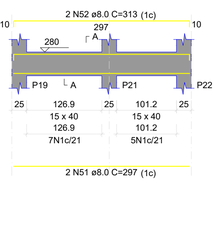
V23
ESC 1:50



V24
ESC 1:50



V25
ESC 1:50



V26
ESC 1:50

V27
ESC 1:50

RELAÇÃO DO AÇO

V1	V2	V3
V4	V5	V6
V7	V8	V9
V10	V11	V12
V13	V14	V15
V16	V17	V18
V19	V20	V21
V22	V23	V24
V25	V26	V27

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	222	97	21534
	2	5.0	162	107	17334
	3	5.0	2	250	500
	4	5.0	2	227	454
CA50	5	6.3	12	77	924
	6	6.3	4	43	172
	7	8.0	2	317	634
	8	8.0	2	366	732
	9	8.0	2	144	288
	10	8.0	4	194	776
	11	8.0	4	254	1016
	12	8.0	6	304	1824
	13	8.0	10	167	1670
	14	8.0	10	209	2090
	15	8.0	2	262	524
	16	8.0	2	142	284
	17	8.0	2	184	368
	18	8.0	2	391	782
	19	8.0	2	416	832
	20	8.0	4	369	1476
	21	8.0	4	419	1676
	22	8.0	2	382	764
	23	8.0	2	424	848
	24	8.0	2	389	778
	25	8.0	2	87	174
	26	8.0	2	129	258
	27	8.0	2	152	304
	28	8.0	2	157	314
	29	8.0	2	199	398
	30	8.0	6	314	1884
	31	8.0	1	270	270
	32	8.0	2	194	388
	33	8.0	1	166	166
	34	8.0	2	1155	2310
	35	8.0	2	237	474
	36	8.0	2	1001	2002
	37	8.0	2	134	134
	38	8.0	2	194	388
	39	8.0	2	225	450
	40	8.0	2	150	150
	41	8.0	2	667	1334
	42	8.0	1	254	254
	43	8.0	5	434	2170
	44	8.0	1	135	135
	45	8.0	1	238	238
	46	8.0	1	152	152
	47	8.0	2	502	1004
	48	8.0	3	510	1530
	49	8.0	2	49	98
	50	8.0	2	85	255
	51	8.0	2	297	594
	52	8.0	2	313	626
	53	8.0	2	190	380
	54	8.0	2	224	448
	55	8.0	2	325	650
	56	8.0	2	350	700
	57	10.0	2	456	912
	58	12.5	2	893	1786

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	11	3
	8.0	378	164.1
	10.0	9.1	6.2
	12.5	17.9	18.9
CA60	5.0	398.2	67.5

PESO TOTAL (kg)	
CA50	192.1
CA60	67.5

Volume de concreto (C-25) = 5.18 m³
Área de forma = 62.61 m²

PREFEITURA MUNICIPAL DE BANDEIRANTES
SECRETARIA MUNICIPAL DE OBRAS E SERVIÇOS URBANOS

PROJETO ESTRUTURAL AMPLIAÇÃO PSF INVERNADA

OBRA: **AMPLIAÇÃO PSF INVERNADA**
PROP.: **Prefeitura Municipal de Bandeirantes**
ÁREAS: **-Área total = 101,58m²**

ENDEREÇO: **Avenida João da Silva Cravo, 1151 - Bairro Invernada, Bandeirantes - PR, 86360-000**
MARÇO / 2024

ARQUIVO : PSF_INV_VIG_TR
ESCALA: INDICADA
DESENHISTA : Guilherme Aoyama
FORMATO: DWG
REFERÊNCIA : **PROJETO ESTRUTURAL AMPLIAÇÃO PSF INVERNADA - ARMAÇÃO DE VIGAS - TÉRREO**

Taxa de Ocupação:

Coeficiente de Aproveitamento:

Taxa de Permeabilidade:

GUILHERME AOYAMA:04720234976
Assinado de forma digital por GUILHERME AOYAMA:04720234976
Dados: 2024.04.08 16:35:29 -03'00'

FOLHA : 14/23