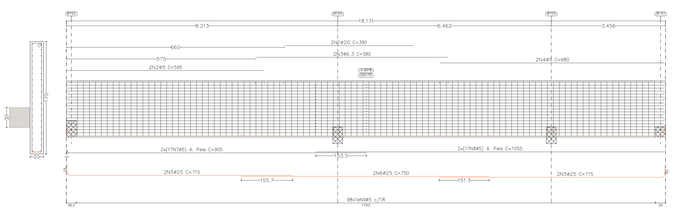
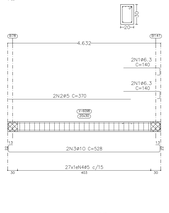
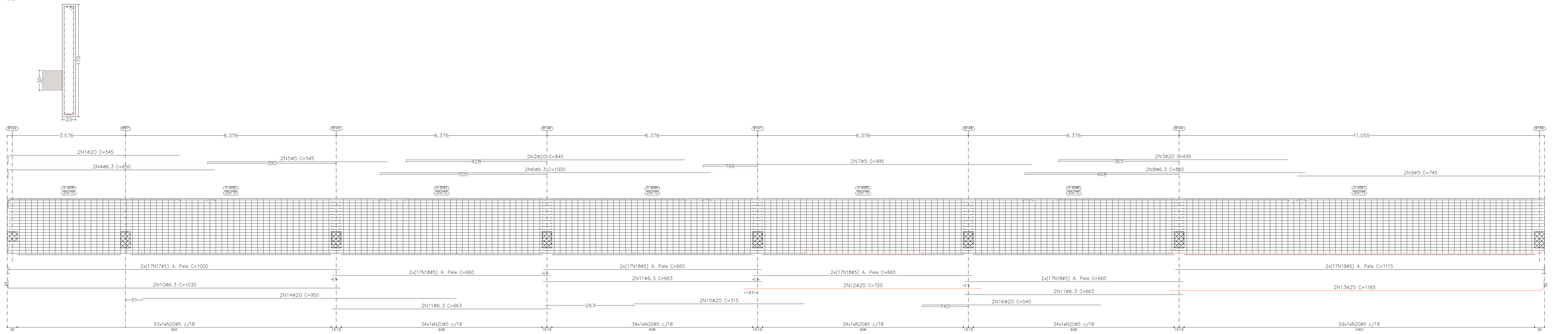
V 28



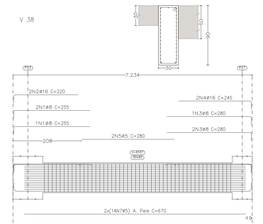
V 33



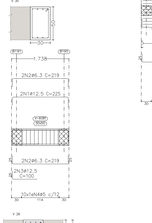
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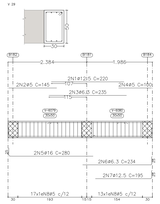
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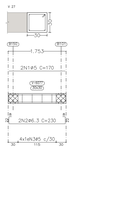
V 30



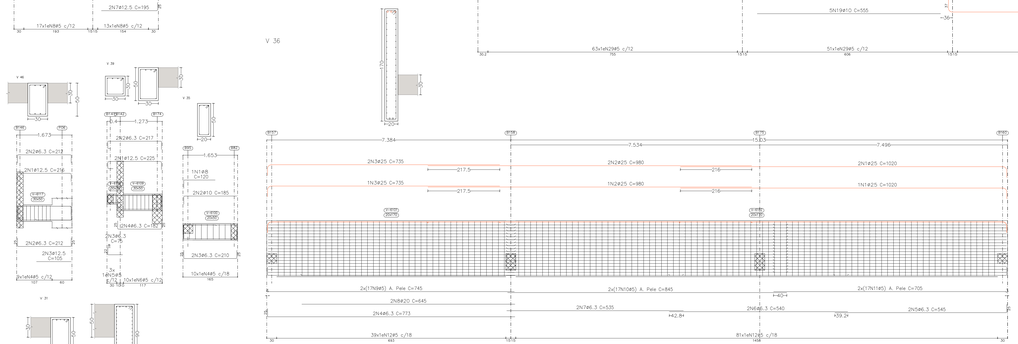
V 29



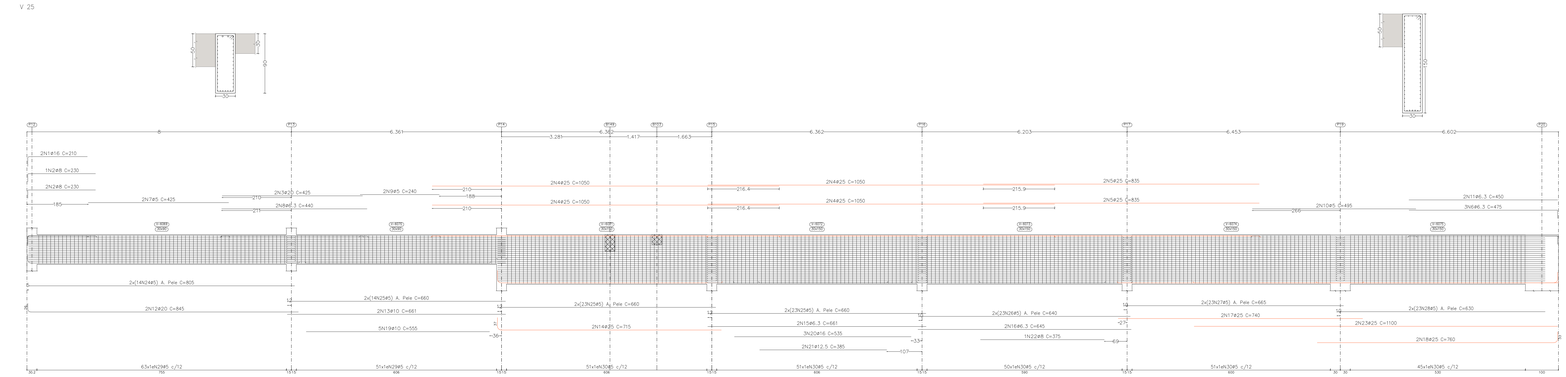
V 27



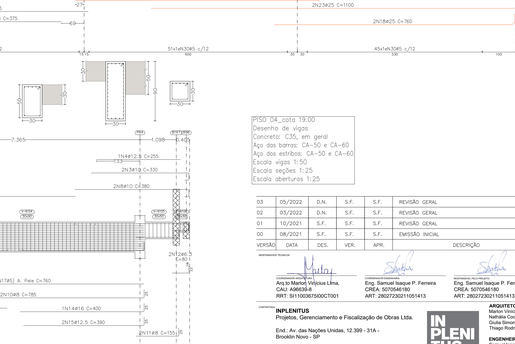
V 36



V 25



V 37



V 26

Pos.	Diam.	Q	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
1	#12.5	2	128	178	356	3.4	
2	#6.3	1	128	178	178	0.2	0.1
3	#12.5	2	128	153	306	2.9	
4	#5	7	148	148	1036		1.6
				Total+10%		8.8	1.8
1	#5	2	170	170	340		0.5
2	#6.3	2	170 170	230	460	1.1	
3	#5	4	108	108	432		0.7
				Total+10%		1.2	1.3

V 27

Pos.	Diam.	Q	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
1	#20	2	390	390	780	19.2	
2	#5	2	595	595	1190		1.9
3	#6.3	2	580	580	1160	2.8	
4	#5	2	680	680	1360		2.1
5	#25	4	715	715	2860	110.2	
6	#25	2	750	750	1500	57.8	
7	#5	34	905	905	30770		48.3
8	#5	34	1055	1055	35870		56.3
9	#5	98	368	368	36064		56.6
				Total+10%		209.0	81.7

V 28

Pos.	Diam.	Q	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
1	#12.5	2	220	220	440	4.2	
2	#5	2	145	145	290		0.5
3	#6.3	2	235	235	470	1.2	
4	#5	2	100	100	200		0.3
5	#16	2	280	280	560	8.8	
6	#6.3	2	234	234	468	1.1	
7	#12.5	2	195	195	390	3.8	
8	#5	32	148	148	4440		7.0
				Total+10%		21.0	8.6

V 29

Pos.	Diam.	Q	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
1	#12.5	2	225	225	450	4.3	
2	#6.3	1	219	219	219	0.1	
3	#12.5	2	100	100	200	1.9	
4	#5	10	148	148	1480		2.3
				Total+10%		9.1	2.5

V 30

Pos.	Diam.	Q	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
1	#12.5	2	108	235	235	2.3	
2	#16	1	210	210	210	3.3	
3	#10	2	286	330	660	4.1	
4	#12.5	1	225	255	255	2.5	
5	#20	2	329	360	720	17.8	
6	#5	2	290	290	580		0.9
7	#20	2	740	740	1480	36.5	
8	#10	2	380	380	760	4.7	
9	#20	2	825	825	1650	40.7	
10	#8	2	785	785	1570	6.2	
11	#8	2	155	155	310	1.2	
12	#6.3	2	80	80	160	0.4	
13	#10	1	400	400	400	2.5	
14	#16	1	400	400	400	6.3	
15	#12.5	2	385	390	780	7.5	
16	#5	26	775	775	21700		34.1
17	#5	28	760	760	21280		33.4
18	#5	111	228	228	25308		39.7
19	#5	8	148	148	1184		1.9
20	#5	3	108	108	324		0.5
				Total+10%		51.1	21.6

V 37

Pos.	Diam.	Q	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
1	#8	3	330	255	765	3.0	
2	#16	2	220	220	440	6.9	
3	#8	3	255	280	840	3.3	
4	#16	2	245	245	490	7.7	
5	#5	2	280	280	560		0.9
6	#20	2	718	770	1540	38.0	
7	#5	28	670	670	18760		29.5
8	#5	48	228	228	10944		17.2
				Total+10%		64.8	52.4

V 46

Pos.	Diam.	Q	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
1	#12.5	2	216	216	432	4.2	
2	#6.3	4	212	212	848	2.1	
3	#12.5	2	105	105	210	2.0	
4	#5	9	148	148	1332		2.1
				Total+10%		9.1	2.3

V 32

Pos.	Diam.	Q	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
1	#20	2	519	545	1090	26.9	
2	#20	2	845	845	1690	41.7	
3	#20	2	695	695	1390	34.3	
4	#6.3	2	650	650	1300	3.2	
5	#5	2	545	545	1090		1.7
6	#6.3	2	1000	1000	2000	4.9	
7	#5	2	995	995	1990		3.1
8	#6.3	2	850	850	1700	4.2	
9	#5	2	745	745	1490		2.3
10	#6.3	2	1030	1030	2060	5.0	
11	#6.3	14	663	663	3978	9.7	
12	#25	2	720	720	1440	55.5	
13	#25	2	1165	1165	2330	89.8	
14	#20	2	950	950	1900	46.9	
15	#20	2	515	515	1030	25.4	
16	#20	2	540	540	1080	26.6	
17	#5	34	1000	1000	34000		53.4
18	#5	136	663	663	89780		140.9
19	#5	34	1115	1115	37910		59.5
20	#5	248	368	368	91264		143.3
				Total+10%		411.5	444.6

V 33

Pos.	Diam.	Q	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
1	#6.3	4	140	140	560	1.4	
2	#5	2	370	370	740		1.2
3	#10	2	528	528	1056	6.5	
4	#5	27	88	88	2376		3.7
				Total+10%		8.7	5.4

V 34

Pos.	Diam.	Q	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
1	#12.5	2	138	138	276	2.3	
2	#6.3	4	222	222	888	2.2	
3	#5	14	108	108	1512		2.4
				Total+10%		5.0	2.6

V 35

Pos.	Diam.	Q	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
1	#8	2	95	120	120	0.5	
2	#10	2	133	185	370	2.3	
3	#6.3	2	80	80	160	0.4	
4	#5	10	128	128	1280		2.0
				Total+10%		4.2	2.2

V 36

Pos.	Diam.	Q	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
1	#25	2	1020	1020	3060	117.9	
2	#25	2	980	980	1960	75.5	
3	#25	2	735	735	2205	85.0	
4	#6.3	2	773	773	1546	3.8	
5	#6.3	2	540	540	1080	2.7	
6	#6.3	2	540	540	1080	2.6	
7	#6.3	2	540	540	1080	2.6	
8	#20	2	645	645	1290	31.8	
9	#5	34	745	745	25330		39.8
10	#5	34	845	845	28730		45.1
11	#5	34	705	705	23970		37.6
12	#5	120	368	368	44160		69.3
				Total+10%		285.7	211.0

V 39

Pos.	Diam.	Q	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
1	#12.5	2	225	225	450	4.3	
2	#6.3	2	217	217	434	1.1	
3	#6.3	2	75	75	150	0.4	
4	#6.3	2	182	182	364	0.9	
5	#5	5	108	108	324		0.5
6	#5	10	148	148	1480		2.3
				Total+10%		7.4	3.1

#5:	0.0	1077.8
#6.3:	56.8	0.0
#8:	18.6	0.0
#10:	144.9	0.0
#12.5:	101.1	0.0
#16:	66.0	0.0
#20:	236.4	0.0
#25:	307.6	0.0
Total:	932.5	1077.8

#5:	0.0	899.5
#6.3:	29.4	0.0
#8:	18.6	0.0
#10:	48.3	0.0
#12.5:	48.5	0.0
#16:	75.5	0.0
#20:	236.4	0.0
#25:	363.5	0.0
Total:	913.3	899.5

PISO 04_cota 19.00
Desenho de vigas
Concreto: C35, em geral
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60
Escala vigas 1:50
Escala cortes 1:25
Escala aberturas 1:25

VERSÃO	DATA	DES.	VER.	APR.	DESCRIÇÃO
03	05/2022	D.N.	S.F.	S.F.	REVISÃO GERAL
02	03/2022	D.N.	S.F.	S.F.	REVISÃO GERAL
01	10/2021	S.F.	S.F.	S.F.	REVISÃO GERAL
00	08/2021	S.F.	S.F.	S.F.	EMISSÃO INICIAL

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INST: 51.100.987/0001-01

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IN PLENI TUS

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www.prefeituradearuja.sp.gov.br obras.secretaria@aruja.sp.gov.br

Assunto

CONSTRUÇÃO DO HOSPITAL GERAL DE ARUJÁ

Projeto: CONSTRUÇÃO
Disciplina: ESTRUTURA
Etapa: PROJETO EXECUTIVO
Endereço: AVENIDA MAJOR BENJAMIN FRANCO, CENTRO - ARUJÁ - SP

Nome do Arquivo
IN_061_01_PE_EST_V00-ESTRUTURA GERAL HOSPITAL ARUJÁ V04_JUNHO 2022.dwg

Requisitante: SECRETARIA MUNICIPAL DE OBRAS

APROVADO

ENG. MOUNIR NASSIF DA SILVA
Secretário Municipal de Obras

ENG. DÉBORA FARIO VALENCIO LOUREIRO
Diretora Técnica de Desenvolvimento de Obras

ARQ. GABRIELA ITO CARDOSO DE MORAES
Arquiteta de Projetos

Título
PISO 4_cota 19.00
DESENHO DE VIGAS

Folha: 68 | 85

Código do GRFU: PB SMO 001 - 01/01

Data: MAIO/2022

Escala: 1/50

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