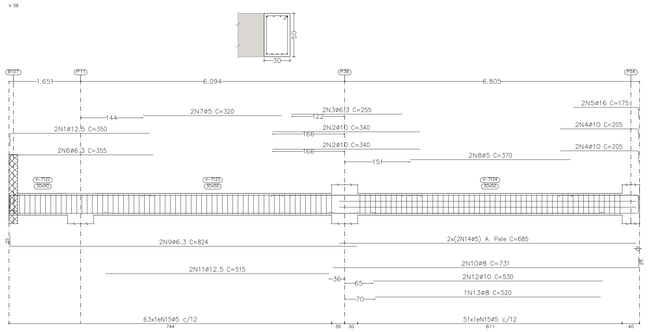
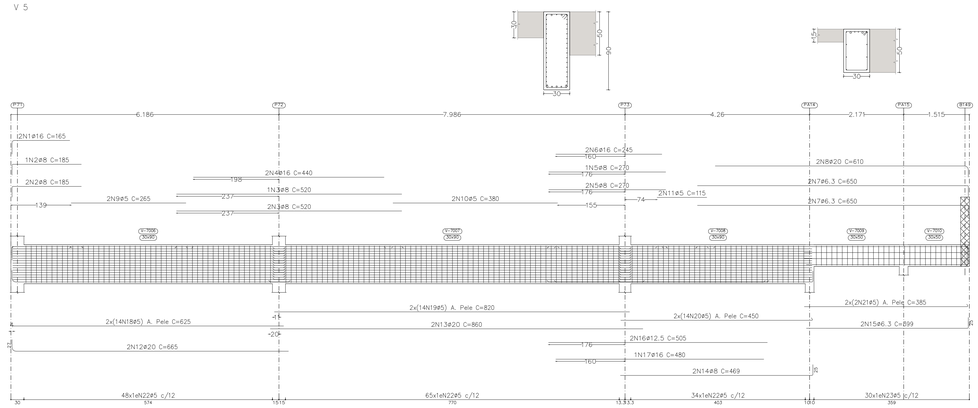
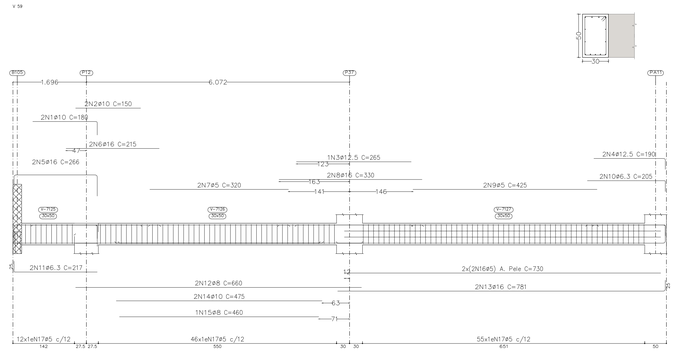
V 58



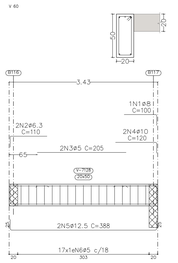
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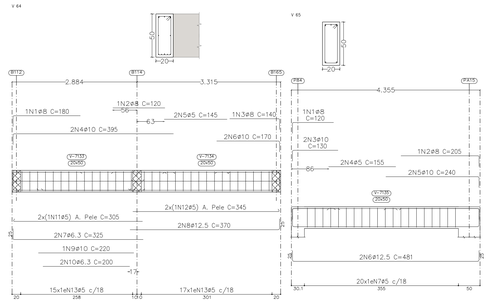
V 59



V 60

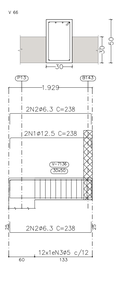


V 64

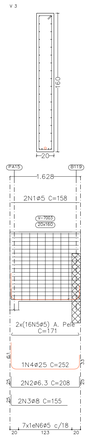


V 65

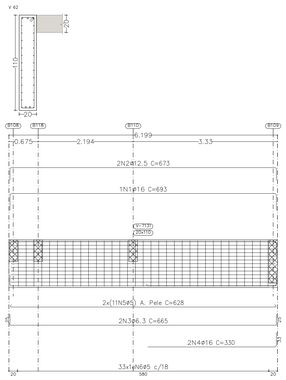
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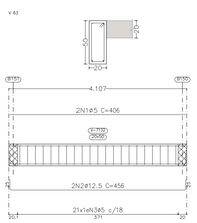
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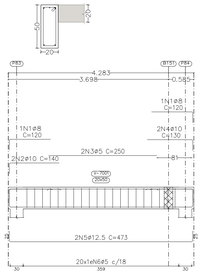
V 62



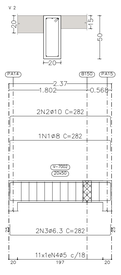
V 63



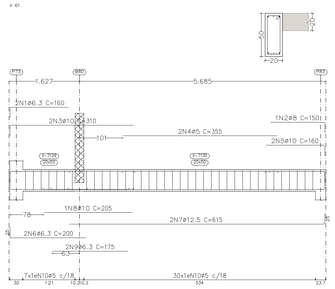
V 1



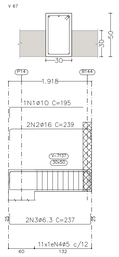
V 2



V 61



V 67



V 64

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 64	1	ø8	2	155	180	180	0.7	
	2	ø8	1	120	120	120	0.5	
	3	ø8	1	115	140	140	0.6	
	4	ø10	2	370	395	790	4.9	
	5	ø5	2	145	145	290		0.5
	6	ø10	2	145	170	340	2.1	
	7	ø6.3	2	300	325	650	1.6	
	8	ø12.5	2	345	370	740	7.1	
	9	ø10	1	220	220	220	1.4	
	10	ø6.3	2	200	200	400	1.0	
	11	ø5	2	299	305	610		1.0
	12	ø5	2	339	345	690		1.1
	13	ø5	32	30 25 15	128	4096		6.4
					Total+10%		16.7	5.0
V 65		ø5:					0.0	14.9
		ø6.3:					2.9	0.0
		ø8:					3.4	0.0
		ø10:					14.3	0.0
		ø12.5:					18.0	0.0
		Total:					38.6	14.9
V 65	1	ø8	2	95 12	120	120	0.5	
	2	ø8	1	180 15	205	205	0.8	
	3	ø10	2	105 12	130	260	1.6	
	4	ø5	2	155	155	310		0.5
	5	ø10	2	215 15	240	480	3.0	
	6	ø12.5	2	431 10	481	962	9.3	
	7	ø5	20	30 25 15	128	2560		4.0
					Total+10%		16.7	5.0
		ø5:					0.0	14.9
		ø6.3:					2.9	0.0
		ø8:					3.4	0.0
		ø10:					14.3	0.0
		ø12.5:					18.0	0.0
		Total:					38.6	14.9

V 1

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 1	1	ø8	2	95 12	120	240	0.9	
	2	ø10	2	115 12	140	280	1.7	
	3	ø5	2	250	250	500		0.8
	4	ø10	2	105 15	130	260	1.6	
	5	ø12.5	2	423 10	473	946	9.1	
	6	ø5	20	30 25 15	128	2560		4.0
					Total+10%		14.6	5.3
V 2	1	ø8	2	232 15	282	282	1.1	
	2	ø10	2	232 15	282	564	3.5	
	3	ø6.3	2	232 15	282	564	1.4	
	4	ø5	11	30 25 15	128	1408		2.2
					Total+10%		6.6	2.4
V 3	1	ø5	2	158	158	316		0.5
	2	ø6.3	2	158 15	208	416	1.0	
	3	ø8	2	130 15	155	310	1.2	
	4	ø25	1	252	252	252	9.7	
	5	ø5	32	158 15	171	5472		8.6
	6	ø5	7	30 25 15	348	2436		3.8
					Total+10%		13.1	14.2
		ø5:					0.0	21.9
		ø6.3:					2.6	0.0
		ø8:					3.5	0.0
		ø10:					7.5	0.0
		ø12.5:					10.0	0.0
		ø25:					10.7	0.0
		Total:					34.3	21.9

V 62

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 62	1	ø16	1	615 15	693	693	10.9	
	2	ø12.5	2	615 15	673	1346	13.0	
	3	ø6.3	2	615 15	665	1330	3.3	
	4	ø16	2	261 12	330	660	10.4	
	5	ø5	22	615 15	628	13816		21.7
	6	ø5	33	30 25 15	248	8184		12.8
					Total+10%		41.4	38.0
V 63	1	ø5	2	406	406	812		1.3
	2	ø12.5	2	406 15	456	912	8.8	
	3	ø5	21	30 25 15	128	2688		4.2
					Total+10%		9.7	6.1
V 66	1	ø12.5	2	188 15	238	476	4.6	
	2	ø6.3	4	188 15	238	952	2.3	
	3	ø5	12	30 25 15	148	1776		2.8
					Total+10%		7.6	3.1
		ø5:					0.0	47.2
		ø6.3:					6.2	0.0
		ø12.5:					29.1	0.0
		ø16:					23.4	0.0
		Total:					58.7	47.2

V 58

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 58	1	ø12.5	2	322	350	700	6.7	
	2	ø10	4	340	340	1360	8.4	
	3	ø6.3	2	255	255	510	1.2	
	4	ø10	4	180	205	820	5.1	
	5	ø16	2	150 15	175	350	5.5	
	6	ø6.3	2	330 15	355	710	1.7	
	7	ø5	2	320	320	640		1.0
	8	ø5	2	370	370	740		1.2
	9	ø6.3	2	799 15	824	1648	4.0	
	10	ø8	2	706 15	731	1462	5.8	
	11	ø12.5	2	515	515	1030	9.9	
	12	ø10	2	530	530	1060	6.5	
	13	ø8	1	520	520	520	2.1	
	14	ø5	4	685	685	2740		4.3
	15	ø5	114	30 25 15	148	16872		26.5
					Total+10%		62.6	36.3
V 59	1	ø10	2	168 15	180	360	2.2	
	2	ø10	2	150	150	300	1.8	
	3	ø12.5	1	265	265	265	2.6	
	4	ø12.5	2	185 15	190	380	3.7	
	5	ø16	2	192 12	266	532	8.4	
	6	ø16	2	215	215	430	6.8	
	7	ø5	2	320	320	640		1.0
	8	ø16	2	330	330	660	10.4	
	9	ø5	2	425	425	850		1.3
	10	ø6.3	2	180 15	205	410	1.0	
	11	ø6.3	2	192 15	217	434	1.1	
	12	ø8	2	660	660	1320	5.2	
	13	ø16	2	756 15	781	1562	24.7	
	14	ø10	2	475	475	950	5.9	
	15	ø8	1	460	460	460	1.8	
	16	ø5	4	730	730	2920		4.6
	17	ø5	113	30 25 15	148	16724		26.3
					Total+10%		83.2	36.5
V 60	1	ø8	1	75 15	100	100	0.4	
	2	ø6.3	2	85 12	110	220	0.5	
	3	ø5	2	205	205	410		0.6
	4	ø10	2	95 15	120	240	1.5	
	5	ø12.5	2	338 10	388	776	7.5	
	6	ø5	17	30 25 15	128	2176		3.4
					Total+10%		10.9	4.4
		ø5:					0.0	77.2
		ø6.3:					10.5	0.0
		ø8:					16.8	0.0
		ø10:					34.5	0.0
		ø12.5:					33.5	0.0
		ø16:					61.4	0.0
		Total:					156.7	77.2

V 5

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 5	1	ø16	2	133 12	165	330	5.2	
	2	ø8	3	160 12	185	555	2.2	
	3	ø8	2	520	520	1560	6.2	
	4	ø16	2	440	440	880	13.9	
	5	ø8	3	270	270	810	3.2	
	6	ø16	2	245	245	490	7.7	
	7	ø6.3	4	625 15	650	2600	6.4	
	8	ø20	2	584 15	610	1220	30.1	
	9	ø5	2	265	265	530		0.8
	10	ø5	2	380	380	760		1.2
	11	ø5	2	115	115	230		0.4
	12	ø20	2	638 15	665	1330	32.8	
	13	ø20	2	860	860	1720	42.4	
	14	ø8	2	444 15	469	938	3.7	
	15	ø6.3	2	374 15	399	798	2.0	
	16	ø12.5	1	505	505	1010	9.7	
	17	ø16	1	480	480	480	7.6	
	18	ø5	28	625	625	17500		27.5
	19	ø5	28	820	820	22960		36.0
	20	ø5	28	444 15	450	12600		19.8
	21	ø5	4	379 15	385	1540		2.4
	22	ø5	147	30 25 15	228	33516		52.6
	23	ø5	30	30 25 15	148	4440		7.0
					Total+10%		290.4	162.5
		ø5:					0.0	162.5
		ø6.3:					9.2	0.0
		ø8:					16.9	0.0
		ø12.5:					10.7	0.0
		ø16:					37.8	0.0
		ø20:					115.8	0.0
		Total:					290.4	162.5

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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RRT: SI11003675I00CT001

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CREA: 5070546180
ART: 28027230211051413

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CREA: 5070546180
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CONTRATADA:

INPLENITUS
Projetos, Gerenciamento e Fiscalização de Obras Ltda.

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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

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Secretário Municipal de Obras

ENG. DÉBORA FABRO VALENÇO LOUREIRO
Diretora Técnica do Departamento de Obras

ARQ. GABRIELA ITO CARDOSO DE MORAES
Arquiteta de Projetos

Título: COBERTURA_cota 23.50

DESENHO DE VIGAS

Folha: 72 | 85

Código do DPPU: PB SMO 001 - 01/01

Data: MAIO/2022

Escala: 1/50

Cobertura_cota 23.50
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 seções 1:25
Escala aberturas 1:25

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