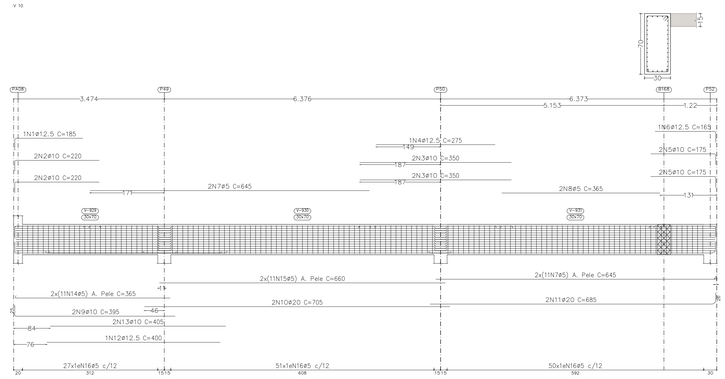
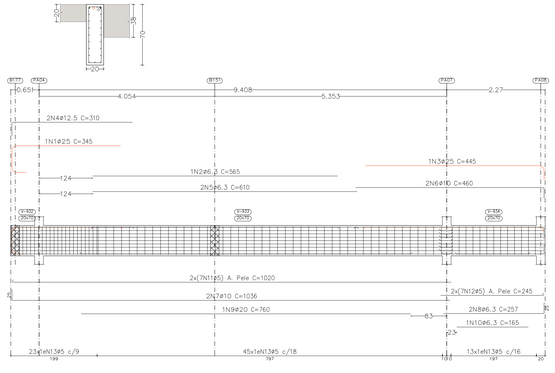
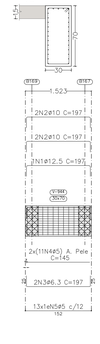
V 10




V 11



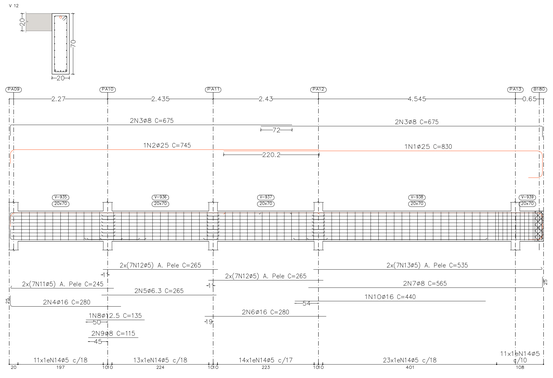

V 15



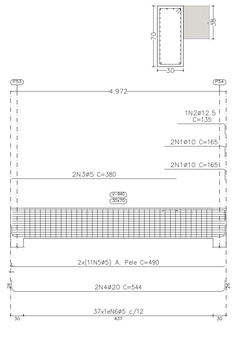

| Elemento | Pos. | Diam. | Q. | Esquema | Comp. (cm) | Total (cm) | CA-50 (kg) | CA-60 (kg) |
|---|---|---|---|---|---|---|---|---|
| V 22 | 1 | ø10 | 4 | 1165 | 1170 | 4680 | 28.8 | |
| | 2 | ø12.5 | 1 | 1005 | 1030 | 1030 | 9.9 | |
| | 3 | ø5 | 2 | 480 | 480 | 960 | | 1.5 |
| | 4 | ø20 | 2 | 624 | 650 | 1300 | 32.1 | |
| | 5 | ø12.5 | 2 | 1045 | 1070 | 2140 | 20.6 | |
| | 6 | ø12.5 | 1 | 240 | 240 | 240 | 2.3 | |
| | 7 | ø10 | 2 | 220 | 220 | 440 | 2.7 | |
| | 8 | ø5 | 22 | 595 | 595 | 13090 | | 20.6 |
| | 9 | ø5 | 22 | 1026 | 1025 | 22550 | | 35.4 |
| | 10 | ø5 | 128 | 85 / 25 | 188 | 24064 | | 37.8 |
| | | | | | Total+10% | | 106.0 | 104.8 |
| V 23=V 25=V 28 | 1 | ø12.5 | 1 | 126 | 176 | 176 | 1.7 | |
| | 2 | ø10 | 4 | 126 | 176 | 704 | 4.3 | |
| | 3 | ø6.3 | 2 | 126 | 176 | 352 | 0.9 | |
| | 4 | ø5 | 22 | 110 | 110 | 2420 | | 3.8 |
| | 5 | ø5 | 6 | 85 / 25 | 188 | 1128 | | 1.8 |
| | | | | | Total+10% | | 7.6 (x3: 22.8 | 6.2 18.6 |
| V 24 | 1 | ø20 | 2 | 942 | 980 | 1960 | 48.3 | |
| | 2 | ø6.3 | 2 | 1023 | 1048 | 2096 | 5.1 | |
| | 3 | ø6.3 | 2 | 1023 | 1073 | 2146 | 5.3 | |
| | 4 | ø16 | 2 | 185 | 210 | 420 | 6.6 | |
| | 5 | ø8 | 3 | 175 | 200 | 600 | 2.4 | |
| | 6 | ø5 | 30 | 1030 | 1027 | 30810 | | 48.4 |
| | 7 | ø5 | 84 | 85 / 25 | 248 | 20832 | | 32.7 |
| | | | | | Total+10% | | 74.5 | 89.2 |
| V 35 | 1 | ø8 | 3 | 615 | 665 | 1995 | 7.9 | |
| | 2 | ø12.5 | 2 | 615 | 667 | 1334 | 12.8 | |
| | 3 | ø12.5 | 1 | 125 | 125 | 125 | 1.2 | |
| | 4 | ø5 | 14 | 615 | 628 | 8792 | | 13.8 |
| | 5 | ø5 | 55 | 85 / 25 | 168 | 9240 | | 14.5 |
| | | | | | Total+10% | | 24.1 | 31.1 |
| | | | | | ø5: | 0.0 | 243.7 | |
| | | | | | ø6.3: | 14.5 | 0.0 | |
| | | | | | ø8: | 11.4 | 0.0 | |
| | | | | | ø10: | 48.8 | 0.0 | |
| | | | | | ø12.5: | 57.1 | 0.0 | |
| | | | | | ø16: | 7.2 | 0.0 | |
| | | | | | ø20: | 88.4 | 0.0 | |
| | | | | | Total: | 227.4 | 243.7 | |

| Elemento | Pos. | Diam. | Q. | Esquema (cm) | Comp. (cm) | Total (cm) | CA-50 (kg) | CA-60 (kg) |
|---|---|---|---|---|---|---|---|---|
| V 10 | 1 | ø12.5 | 1 | 157 / 157 | 185 | 185 | 1.8 | |
| | 2 | ø10 | 4 | 195 / 195 | 220 | 880 | 5.4 | |
| | 3 | ø10 | 4 | 350 | 350 | 1400 | 8.6 | |
| | 4 | ø12.5 | 1 | 275 | 275 | 275 | 2.6 | |
| | 5 | ø10 | 4 | 150 / 175 | 175 | 700 | 4.3 | |
| | 6 | ø12.5 | 1 | 140 / 165 | 165 | 165 | 1.6 | |
| | 7 | ø5 | 24 | 645 | 645 | 15480 | | 24.3 |
| | 8 | ø5 | 2 | 365 | 365 | 730 | | 1.1 |
| | 9 | ø10 | 2 | 370 / 395 | 395 | 790 | 4.9 | |
| | 10 | ø20 | 2 | 705 | 705 | 1410 | 34.8 | |
| | 11 | ø20 | 2 | 459 / 685 | 685 | 1370 | 33.8 | |
| | 12 | ø12.5 | 1 | 400 | 400 | 400 | 3.9 | |
| | 13 | ø10 | 2 | 405 | 405 | 810 | 5.0 | |
| | 14 | ø5 | 22 | 359 / 365 | 365 | 8030 | | 12.6 |
| | 15 | ø5 | 22 | 660 | 660 | 14520 | | 22.8 |
| | 16 | ø5 | 128 | 85 / 25 | 188 | 24064 | | 37.8 |
| | | | | | Total+10% | | 117.4 | 108.5 |
| V 11 | 1 | ø25 | 1 | 251 / 251 | 345 | 345 | 13.3 | |
| | 2 | ø6.3 | 1 | 565 | 565 | 565 | 1.4 | |
| | 3 | ø25 | 1 | 413 / 413 | 445 | 445 | 17.1 | |
| | 4 | ø12.5 | 2 | 278 / 278 | 310 | 620 | 6.0 | |
| | 5 | ø6.3 | 2 | 610 | 610 | 1220 | 3.0 | |
| | 6 | ø10 | 2 | 435 / 460 | 460 | 920 | 5.7 | |
| | 7 | ø10 | 2 | 1013 / 1036 | 1036 | 2072 | 12.8 | |
| | 8 | ø6.3 | 2 | 232 / 257 | 257 | 514 | 1.3 | |
| | 9 | ø20 | 1 | 760 | 760 | 760 | 18.7 | |
| | 10 | ø6.3 | 1 | 165 | 165 | 165 | 0.4 | |
| | 11 | ø5 | 14 | 1004 | 1020 | 14280 | | 22.4 |
| | 12 | ø5 | 14 | 239 | 245 | 3430 | | 5.4 |
| | 13 | ø5 | 81 | 85 / 25 | 168 | 13608 | | 21.4 |
| | | | | | Total+10% | | 87.7 | 54.1 |
| | | | | | ø5: | 0.0 | 162.6 | |
| | | | | | ø6.3: | 6.8 | 0.0 | |
| | | | | | ø10: | 51.3 | 0.0 | |
| | | | | | ø12.5: | 17.5 | 0.0 | |
| | | | | | ø20: | 96.1 | 0.0 | |
| | | | | | ø25: | 33.4 | 0.0 | |
| | | | | | Total: | 205.1 | 162.6 | |

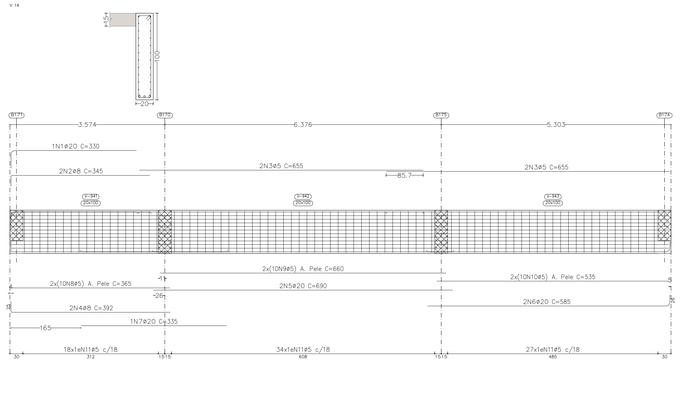
V 12




V 13




V 14

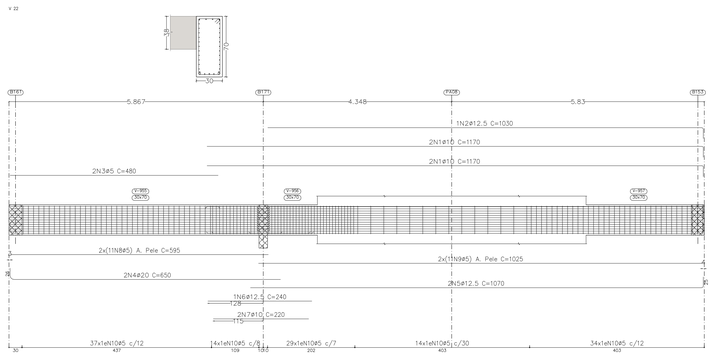



| Elemento | Pos. | Diam. | Q. | Esquema (cm) | Comp. (cm) | Total (cm) | CA-50 (kg) | CA-60 (kg) |
|---|---|---|---|---|---|---|---|---|
| V 26 | 1 | ø25 | 2 | 1023 | 1088 | 2176 | 83.9 | |
| | 2 | ø6.3 | 6 | 1023 | 1073 | 6438 | 15.8 | |
| | 3 | ø5 | 30 | 1020 | 1027 | 30810 | | 48.4 |
| | 4 | ø5 | 84 | 85 / 25 | 248 | 20832 | | 32.7 |
| | | | | | Total+10% | | 109.7 | 89.2 |
| | | | | | ø5: | 0.0 | 89.2 | |
| | | | | | ø6.3: | 17.4 | 0.0 | |
| | | | | | ø25: | 92.3 | 0.0 | |
| | | | | | Total: | 109.7 | 89.2 | |

| Elemento | Pos. | Diam. | Q. | Esquema (cm) | Comp. (cm) | Total (cm) | CA-50 (kg) | CA-60 (kg) |
|---|---|---|---|---|---|---|---|---|
| V 29 | 1 | ø12.5 | 1 | 663 / 663 | 713 | 713 | 6.9 | |
| | 2 | ø10 | 4 | 663 / 663 | 713 | 2852 | 17.6 | |
| | 3 | ø6.3 | 2 | 663 / 663 | 713 | 1426 | 3.5 | |
| | 4 | ø5 | 22 | 660 | 660 | 14520 | | 22.8 |
| | 5 | ø5 | 51 | 85 / 25 | 188 | 9588 | | 15.1 |
| | | | | | Total+10% | | 30.8 | 41.7 |
| V 30 | 1 | ø5 | 2 | 508 | 508 | 1016 | | 1.6 |
| | 2 | ø20 | 2 | 508 / 508 | 560 | 1120 | 27.6 | |
| | 3 | ø5 | 22 | 170 | 170 | 3740 | | 5.9 |
| | 4 | ø5 | 22 | 355 | 355 | 7810 | | 12.3 |
| | 5 | ø5 | 37 | 85 / 25 | 188 | 6956 | | 10.9 |
| | | | | | Total+10% | | 30.4 | 33.8 |
| | | | | | ø5: | 0.0 | 75.5 | |
| | | | | | ø6.3: | 3.8 | 0.0 | |
| | | | | | ø10: | 19.4 | 0.0 | |
| | | | | | ø12.5: | 7.6 | 0.0 | |
| | | | | | ø20: | 30.4 | 0.0 | |
| | | | | | Total: | 61.2 | 75.5 | |

| Elemento | Pos. | Diam. | Q. | Esquema (cm) | Comp. (cm) | Total (cm) | CA-50 (kg) | CA-60 (kg) |
|---|---|---|---|---|---|---|---|---|
| V 12 | 1 | ø25 | 1 | 236 / 236 | 830 | 830 | 32.0 | |
| | 2 | ø25 | 1 | 713 / 713 | 745 | 745 | 28.7 | |
| | 3 | ø8 | 4 | 650 | 675 | 2700 | 10.7 | |
| | 4 | ø16 | 2 | 255 | 280 | 560 | 8.8 | |
| | 5 | ø6.3 | 2 | 265 | 265 | 530 | 1.3 | |
| | 6 | ø16 | 2 | 280 | 280 | 560 | 8.8 | |
| | 7 | ø8 | 2 | 540 / 565 | 565 | 1130 | 4.5 | |
| | 8 | ø12.5 | 1 | 135 | 135 | 135 | 1.3 | |
| | 9 | ø8 | 2 | 115 | 115 | 230 | 0.9 | |
| | 10 | ø16 | 1 | 440 | 440 | 440 | 6.9 | |
| | 11 | ø5 | 14 | 239 | 245 | 3430 | | 5.4 |
| | 12 | ø5 | 28 | 265 | 265 | 7420 | | 11.6 |
| | 13 | ø5 | 14 | 529 | 535 | 7490 | | 11.8 |
| | 14 | ø5 | 72 | 85 / 25 | 168 | 12096 | | 19.0 |
| | | | | | Total+10% | | 114.3 | 52.6 |
| V 13 | 1 | ø10 | 4 | 160 | 165 | 660 | 4.1 | |
| | 2 | ø12.5 | 1 | 110 / 110 | 135 | 135 | 1.3 | |
| | 3 | ø5 | 2 | 380 | 380 | 760 | | 1.2 |
| | 4 | ø20 | 2 | 692 / 692 | 544 | 1088 | 26.8 | |
| | 5 | ø5 | 22 | 490 | 490 | 10780 | | 16.9 |
| | 6 | ø5 | 37 | 85 / 25 | 188 | 6956 | | 10.9 |
| | | | | | Total+10% | | 30.4 | 31.9 |
| V 14 | 1 | ø20 | 1 | 289 / 289 | 330 | 330 | 8.1 | |
| | 2 | ø8 | 2 | 320 / 320 | 345 | 690 | 2.7 | |
| | 3 | ø5 | 4 | 655 | 655 | 2620 | | 4.1 |
| | 4 | ø8 | 2 | 367 / 367 | 392 | 784 | 3.1 | |
| | 5 | ø20 | 2 | 690 | 690 | 1380 | 34.0 | |
| | 6 | ø20 | 2 | 559 / 585 | 585 | 1170 | 28.9 | |
| | 7 | ø20 | 1 | 335 | 335 | 335 | 8.3 | |
| | 8 | ø5 | 20 | 365 | 365 | 7300 | | 11.5 |
| | 9 | ø5 | 20 | 660 | 660 | 13200 | | 20.7 |
| | 10 | ø5 | 20 | 535 / 535 | 535 | 10700 | | 16.8 |
| | 11 | ø5 | 79 | 85 / 25 | 228 | 18012 | | 28.3 |
| | | | | | Total+10% | | 93.6 | 89.5 |
| V 15 | 1 | ø12.5 | 1 | 147 / 147 | 197 | 197 | 1.9 | |
| | 2 | ø10 | 4 | 147 / 147 | 788 | 788 | 4.9 | |
| | 3 | ø6.3 | 2 | 147 / 147 | 197 | 394 | 1.0 | |
| | 4 | ø5 | 22 | 145 | 145 | 3190 | | 5.0 |
| | 5 | ø5 | 13 | 85 / 25 | 188 | 2444 | | 3.8 |
| | | | | | Total+10% | | 8.6 | 9.7 |
| | | | | | ø5: | 0.0 | 183.7 | |
| | | | | | ø6.3: | 2.6 | 0.0 | |
| | | | | | ø8: | 24.1 | 0.0 | |
| | | | | | ø10: | 9.9 | 0.0 | |
| | | | | | ø12.5: | 4.9 | 0.0 | |
| | | | | | ø16: | 26.9 | 0.0 | |
| | | | | | ø20: | 116.7 | 0.0 | |
| | | | | | ø25: | 66.8 | 0.0 | |
| | | | | | Total: | 251.9 | 183.7 | |

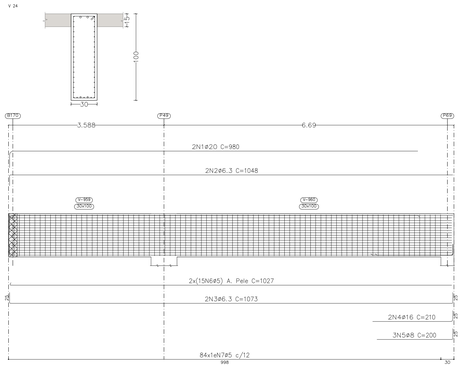
V 22



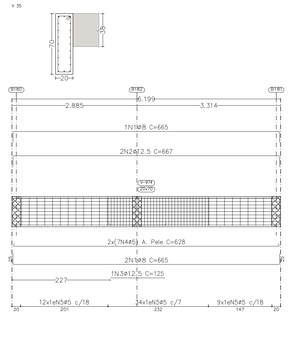




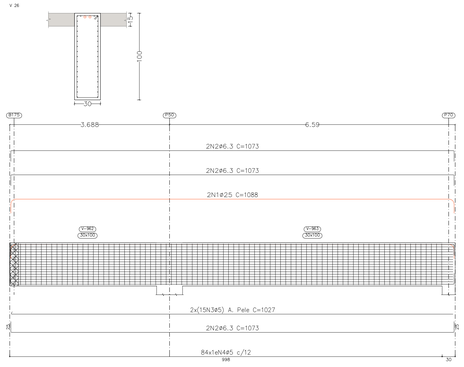
V 24



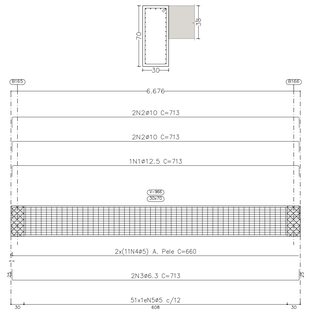

V 35



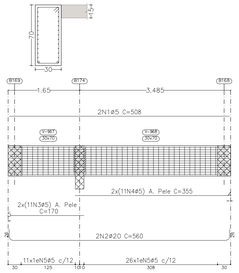

V 26



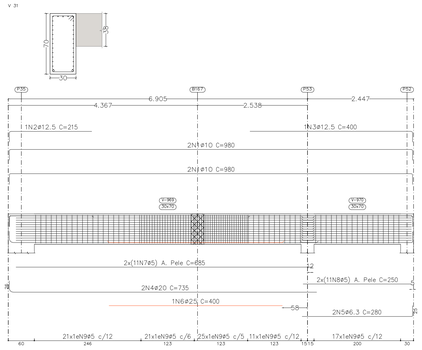

V 29




V 30




V 31




| 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 |

RESPONSÁVEIS TÉCNICOS:

COORDENADOR ANALÍTICO: Arq.to Marlon Vinícius Lima, CAU: A36639-8, RRT: SI11003675I00CT001

COORDENADOR ENGENHARIA: Eng. Samuel Isaque P. Ferreira, CREA: 5070546180, ART: 28027230211051413

RESPONSÁVEL PELO PROJETO: Eng. Samuel Isaque P. Ferreira, CREA: 5070546180, ART: 28027230211051413


CONTRATADA:
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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

ENG. BRUNO HILÁRIO DA SILVA, Secretário Municipal de Obras
ENG. DÉBORA FABRO VALENÇO LOUREIRO, Diretora Técnica de Departamento de Obras
ARQ. GABRIELA ITO CARDOSO DE MORAES, Arquiteta de Projetos

Título: PISO TÉCNICO BARRILETE_cota 27.30
DESENHO DE VIGAS

Folha: 80 | 85
Código do DPFU: PB SMO 001 - 01/01
Data: MAIO/2022
Escala: 1/50

FORMATO DA FOLHA: **A0**


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