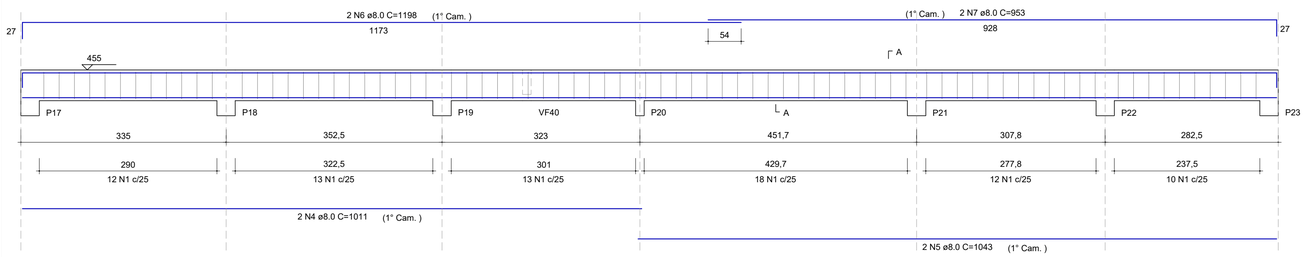
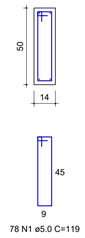
PROJETO ESTRUTURAL EM CONCRETO ARMADO
ESCALA INDICADA

## VF8
Escala 1:50

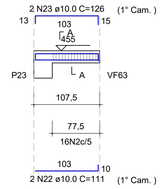



SEÇÃO A-A
Escala 1:20

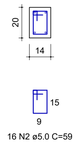



78 N1 ø5.0 C=119

## VF9
Escala 1:50

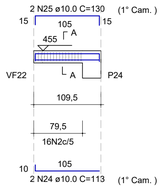



SEÇÃO A-A
Escala 1:20




16 N2 ø5.0 C=59

## VF10
Escala 1:50




### RELAÇÃO DO AÇO

VF8 VF9 VF10
VF11 VF12 VF13
VF14 VF15 VF16
VF17 VF18

| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|---|---|---|---|---|---|
| CA60 | 1 | 5.0 | 171 | 119 | 20349 |
| | 2 | 5.0 | 112 | 59 | 6608 |
| | 3 | 5.0 | 217 | 99 | 21483 |
| CA50 | 4 | 8.0 | 4 | 1011 | 4044 |
| | 5 | 8.0 | 2 | 1043 | 2086 |
| | 6 | 8.0 | 4 | 1198 | 4792 |
| | 7 | 8.0 | 2 | 953 | 1906 |
| | 8 | 8.0 | 2 | 1181 | 2362 |
| | 9 | 8.0 | 2 | 887 | 1774 |
| | 10 | 8.0 | 2 | 374 | 748 |
| | 11 | 8.0 | 2 | 1143 | 2286 |
| | 12 | 8.0 | 2 | 199 | 398 |
| | 13 | 8.0 | 2 | 1041 | 2082 |
| | 14 | 8.0 | 2 | 343 | 686 |
| | 15 | 8.0 | 2 | 1200 | 2400 |
| | 16 | 8.0 | 2 | 1052 | 2104 |
| | 17 | 8.0 | 2 | 862 | 1724 |
| | 18 | 8.0 | 2 | 616 | 1232 |
| | 19 | 8.0 | 2 | 1105 | 2210 |
| | 20 | 8.0 | 2 | 165 | 330 |
| | 21 | 8.0 | 2 | 97 | 194 |
| | 22 | 10.0 | 2 | 111 | 222 |
| | 23 | 10.0 | 2 | 126 | 252 |
| | 24 | 10.0 | 2 | 113 | 226 |
| | 25 | 10.0 | 2 | 130 | 260 |
| | 26 | 10.0 | 4 | 97 | 388 |
| | 27 | 10.0 | 2 | 118 | 236 |
| | 28 | 10.0 | 4 | 97 | 388 |
| | 29 | 10.0 | 2 | 246 | 492 |
| | 30 | 10.0 | 2 | 117 | 234 |
| | 31 | 10.0 | 2 | 130 | 260 |
| | 32 | 10.0 | 2 | 120 | 240 |
| | 33 | 12.5 | 2 | 133 | 266 |
| | 34 | 12.5 | 2 | 612 | 1224 |
| | 35 | 12.5 | 2 | 911 | 1822 |

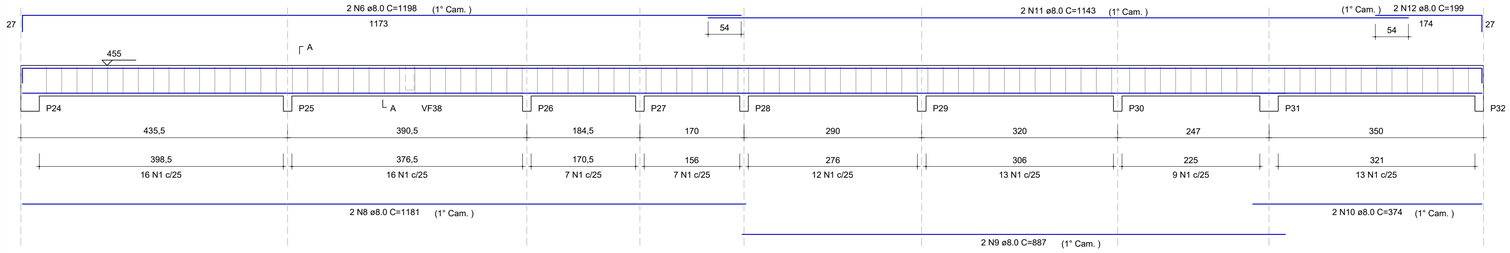
### RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | QUANT + 10% (Barras) | PESO + 10% (kg) |
|---|---|---|---|---|
| CA50 | 8.0 | 333.6 | 31 | 144.8 |
| | 10.0 | 32 | 3 | 21.7 |
| | 12.5 | 33.1 | 4 | 35.1 |
| CA60 | 5.0 | 484.4 | 45 | 82.1 |

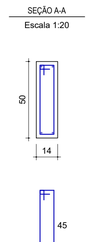
| PESO TOTAL (kg) | |
|---|---|
| CA50 | 201.6 |
| CA60 | 82.1 |

Volume de concreto (C-30) = 5.37 m³
Área de forma = 96.35 m²

## VF11
Escala 1:50

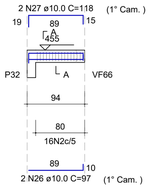



SEÇÃO A-A
Escala 1:20

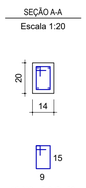



93 N1 ø5.0 C=119

## VF12
Escala 1:50

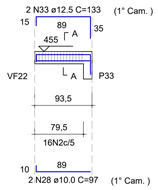



SEÇÃO A-A
Escala 1:20

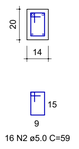



16 N2 ø5.0 C=59

## VF13
Escala 1:50

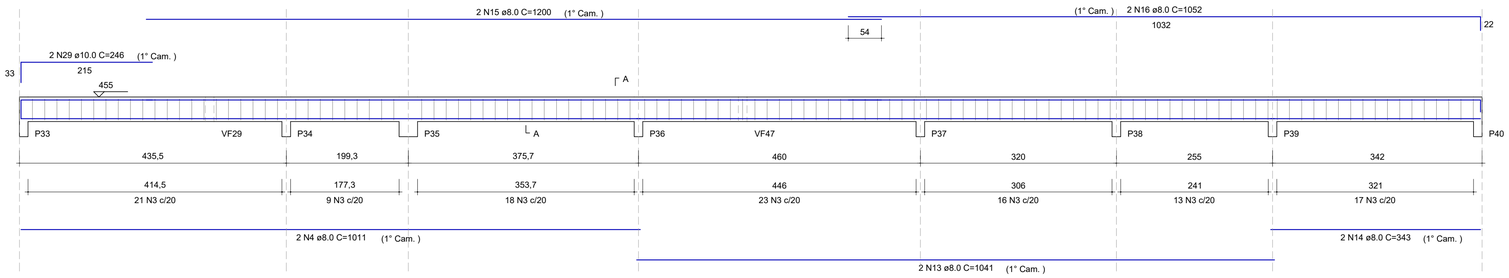



SEÇÃO A-A
Escala 1:20

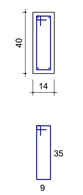



16 N2 ø5.0 C=59

## VF14
Escala 1:50

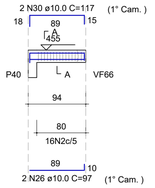



SEÇÃO A-A
Escala 1:20

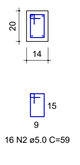



117 N3 ø5.0 C=99

## VF15
Escala 1:50

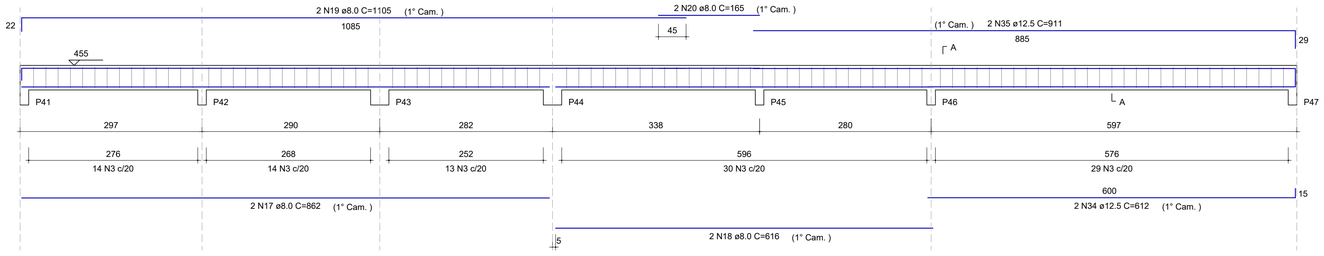



SEÇÃO A-A
Escala 1:20

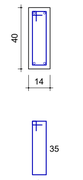



16 N2 ø5.0 C=59

## VF16
Escala 1:50

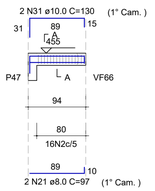



SEÇÃO A-A
Escala 1:20

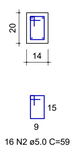



100 N3 ø5.0 C=99

## VF17
Escala 1:50

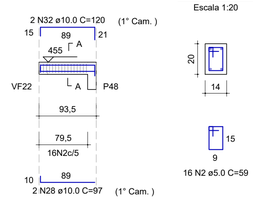



SEÇÃO A-A
Escala 1:20




16 N2 ø5.0 C=59

## VF18
Escala 1:50




SEÇÃO A-A
Escala 1:20




16 N2 ø5.0 C=59

| | | |
|---|---|---|
| REV. 00 | 16/05/22 | EMISSÃO INICIAL |
| REVISÃO | DATA : | DESCRIÇÃO: |

DAC

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www.dacengenharia.com.br

PREFEITURA SANTA RITA DO SAPUCAI- MG

PROJETO
ENGº. CIVIL FLÁVIA C. BARBOSA — CREA: MG-187,842/D

GERÊNCIA DE PROJETOS
PEDRO HENRIQUE JUSTINIANO — ENG. CIVIL

COORDENAÇÃO DE PROJETOS
ALOISIO CAETANO FERREIRA — CREA: MG-97,132/D

RESPONSÁVEL TÉCNICO
FLÁVIA CRISTINA BARBOSA — Assinado de forma digital por FLÁVIA CRISTINA BARBOSA Dados: 2022.06.14 17:13:08 -03'00'

PROJETO
ENGº. CIVIL WILLIAM BARADEL LARI

DESENHO
ENGº. CIVIL WILLIAM BARADEL LARI / DAVI VELOSO ALVES

EMPREENDIMENTO
CONSTRUÇÃO DA UBS FERNANDES

ENDEREÇO
RUA IZANOR DE PAIVA CHIARINI, B. FERNANDES
SANTA RITA DO SAPUCAÍ - MINAS GERAIS

DISCIPLINA
ESTRUTURAL

FASE DO PROJETO
EXECUTIVO

ASSUNTO
PROJETO ESTRUTURAL EM CONCRETO ARMADO
DETALHAMENTO DAS ARMAÇÕES DAS VIGAS SUPERIORES
CORTES, SEÇÕES E TABELA DE QUANTIDADES

FOLHA Nº.
11/23

| DATA INICIAL | ESCALA | REVISÃO | ARQUIVO |
|---|---|---|---|
| 16/05/2022 | INDICADA | R00 | DAC-PMSRS-FER-PE-EST-R00.DWG |