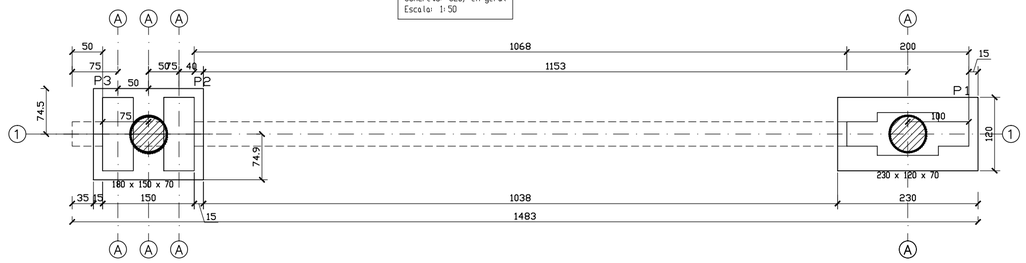


FUNDAÇÃO

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 1	1	Ø16	4		1100		1100	4400	7°C	
	2	Ø16	3		730		730	2190	15.4	
	3	Ø10	3	12	365		365	1095	6.8	
	4	Ø16	A		200	19	200	8100	12.8	
	5	Ø16	B	19	780		780	5760	90.0	
	6	Ø10	3	12	595		595	1785	11.2	
	7	Ø10	3		165		165	525	3.2	
	8	Ø10	2		520		520	1560	9.6	
	9	Ø10	18		635		635	7620	4.7	
	10	Ø10	18		565		565	6780	4.1	
	11	Ø10	2		60		60	1440	0.0	
	12	Ø10	18	12	20		20	840	7	
	13	Ø5	108		210		210	25620		39.7
								Total+10%		39.7
								Ø5:	0.0	39.7
								Ø10:	145.0	0.0
								Ø16:	190	0.0
								Total:	335	39.7

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
(P1-P2)	1	Ø10	7	30	380	20	360	2520	15.8	
	2	Ø10	16	20	320	20	360	5760	36.2	
	3	Ø5	8		603		603	4824		7.6
	4	Ø5	83		404		404	9292		14.6
	5	Ø12.5	16	30	97		127	2032	19.9	
	6	Ø4.2	6	15	55	15	85	510		0.6
	7	Ø4.2	6	15	115	15	145	870		0.9
	8	Ø12.5	16	30	97		127	2032	19.9	
	9	Ø4.2	6	15	55	15	85	510		0.6
	10	Ø4.2	6	15	115	15	145	870		0.9
	11	Ø12.5	16	30	97		127	2032	19.9	
	12	Ø4.2	6	15	55	15	85	510		0.6
	13	Ø4.2	6	15	115	15	145	870		0.9
								Total+10%	122.9	29.4
								Ø4.2:	0.0	5.0
								Ø5:	0.0	24.4
								Ø10:	57.2	0.0
								Ø12.5:	0.0	0.0
								Total:	122.9	29.4

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
P3	1	Ø10	6		576		576	3432	21.6	
	2	Ø10	11		348		348	3828	24.0	
	3	Ø10	2		676		676	1352	8.5	
	4	Ø5	1		598		598	598		0.9
	5	Ø5	1		596		596	596		0.9
	6	Ø12.5	16	30	95		125	2000	19.6	
	7	Ø4.2	6	15	175	15	205	1230		1.5
	8	Ø4.2	6	15	35	15	65	390		0.4
								Total+10%	81.1	4.1
								Ø4.2:	0.0	2.1
								Ø5:	0.0	0.0
								Ø10:	59.5	0.0
								Ø12.5:	0.0	0.0
								Total:	81.1	4.1

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
Estacas	1	Ø10	8		430		430	3440	21.3	
	2	Ø5.0	18		170		170	3060		7.50
								Total+10%	23.4	8.2
								Ø5:	0.0	8.2
								Ø10:	23.4	0.0
								Total:	23.4	8.2

Resumo Aço S/ Estaca Fundação Detalhamento Fundação		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	Ø10	168.9	117	
	Ø12.5	81.0	87	204
CA-60-B	Ø4.2	58.8	7	
	Ø5	153.1	26	33
Total				237

Resumo Aço Estaca IUN Fundação Detalhamento Fundação		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	Ø10	34,4	23,4	
CA-60-B	Ø5	30, 6	8,2	31,6
Total				31,6

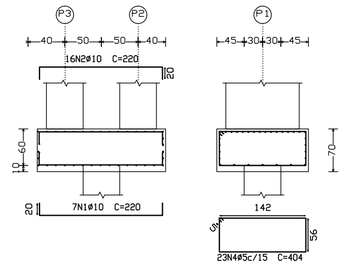
LEGENDAS

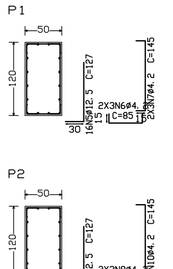
—— · —— · —— EIXOS DOS PILARES E SAPATAS

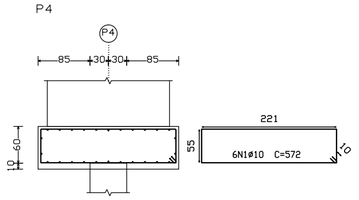
NOTAS

- PRESSÃO ADMISSÍVEL DO SOLO, p=1,50 Kgf/cm².
- CONCRETO ESTRUTURAL DAS SAPATAS: fck=20 Mpa
- CONCRETO ESTRUTURAL DAS SAPATAS, CINTAS, ARRAMQUES, fck=30 MPa.
- COBRIMENTO FERRAGEM SAPATAS = 3 cm fck=20 MPa.

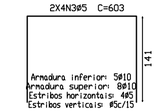
(P1-P2-P3)

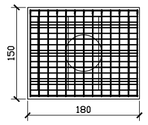


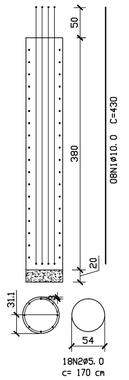




Estacas: ESTACA PORTAL







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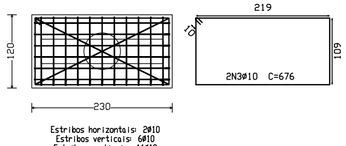
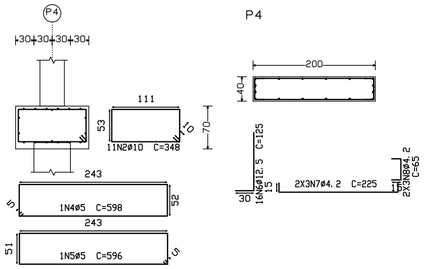
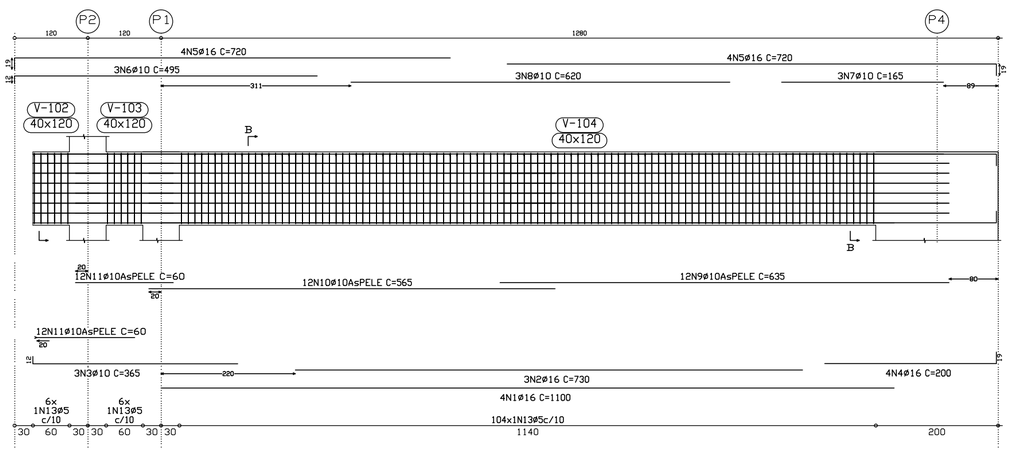
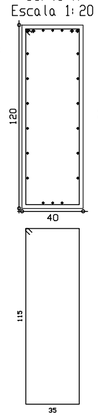




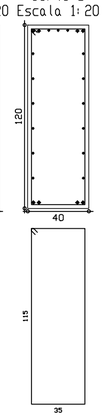
V 1
Escala 1:50



Corte A
Escala 1:20



Corte B
Escala 1:20



Resumo Aço Vigas	Comp. total (m)	Peso+10% (kg)	Total
CA-50-A Ø10		145	
Ø16		190	331
CA-60-B Ø5		40	40
Total			371

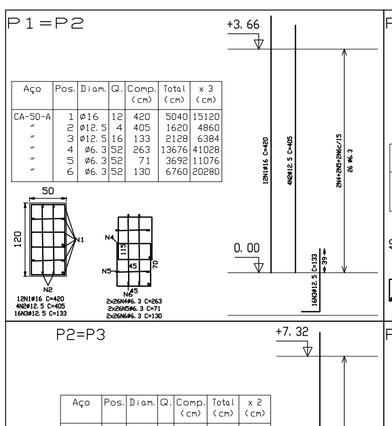
Resumo Aço PILAR 1 Pilares		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	Ø5	548,1	93	93
	Ø12.5	254,3	275	
	Ø12.5	146,5	141	416
CA-60-B	Ø5	566,2	91	184
Total				600

Resumo Aço Piso 2 Pilares		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	Ø12.5	18.4	20	20
CA-60-B	Ø5	46.3	8	8
Total				28

Resumo Aço Piso 3 Pilares		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	Ø12.5	28.0	30	30
CA-60-B	Ø5	83.3	14	14
Total				44

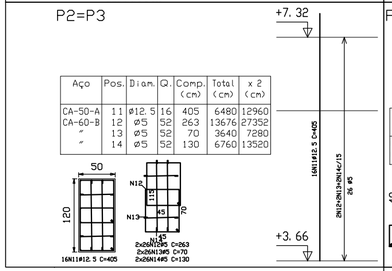
P1 = P2

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)	x 3 (cm)
CA-50-A	1	Ø16	12	420	5040	15120
"	2	Ø12.5	4	405	1620	4860
"	3	Ø12.5	16	133	2128	6384
"	4	Ø6.3	52	263	13676	41028
"	5	Ø6.3	52	71	3692	11076
"	6	Ø6.3	52	130	6760	20280



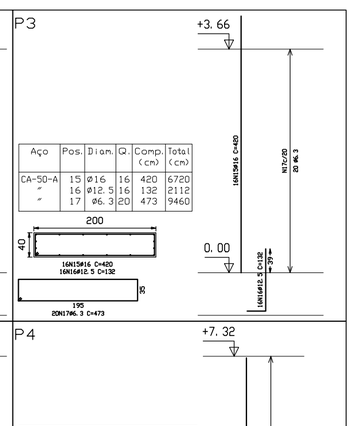
P2 = P3

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)	x 2 (cm)
CA-50-A	11	Ø12.5	16	405	6480	12960
CA-60-B	12	Ø5	52	263	13676	27352
"	13	Ø5	52	70	3640	7280
"	14	Ø5	52	130	6760	13520



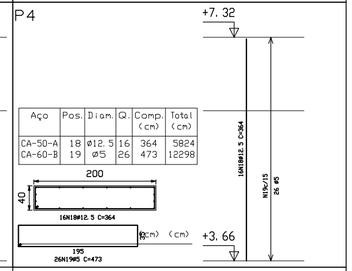
P3

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	15	Ø16	16	420	6720
"	16	Ø12.5	16	132	2112
"	17	Ø6.3	20	473	9460



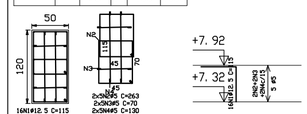
P4

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	18	Ø12.5	16	364	5824
CA-60-B	19	Ø5	26	473	12298



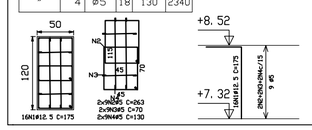
P2

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	1	Ø12.5	16	115	1840
CA-60-B	2	Ø5	10	263	2630
"	3	Ø5	10	70	700
"	4	Ø5	10	130	1300



P3

Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	1	Ø12.5	16	175	2800
CA-60-B	2	Ø5	18	263	4734
"	3	Ø5	18	70	1260
"	4	Ø5	18	130	2340



PREFEITURA MUNICIPAL DE ENTRE FOLHAS

Praça da Matriz nº69 | CEP 35324-000 - Entre Folhas/MG | Fone: (33) 3324-6162
e-mail: entrefolhas@gmail.com

reservado para carimbo aprovação

Projeto
PROJETO ESTRUTURAL
FUNDAÇÃO

CAMILA MARTINS FRANCO:11413795625 3795625
Assinado de forma digital por CAMILA MARTINS FRANCO:11413795625
Dados: 2024.03.20 10:22:01 -03'00'

Obra
PORTAL DE ENTRADA NORDESTE

Local
RUA: JOAQUIM CAMPOS, Nº S/N
BAIRRO: CENTRO
ENTRE FOLHAS - MINAS GERAIS
CEP: 35.324-000

Unidade Territorial
XXX00

Lote
00

Quadra
0000

Area
,00 m²

A. Terreno
,00 m²

Taxa Ocupação
%

Índice Aproveitamento
1,36

Taxa de permeabilidade
%

Resp. Técnico
CAMILA M. FRANCO SALES
Engenheira Civil
CREA: 283.724/D

Desenho:

Aprovação Municipal

AILTON SILVEIRA DIAS
Prefeito Municipal

Conteúdo
- PLANTA DE LOCAÇÃO DOS PILARES
- FÔRMA SAPATAS
- ARMAÇÃO SAPATAS - ARRANQUES - PILARES

Data
01/01/2023

Prancha
ESTRUT.
02.02