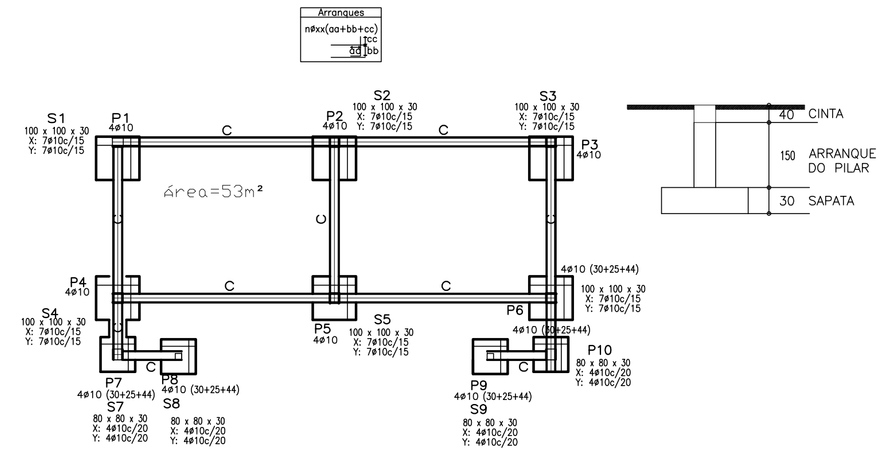
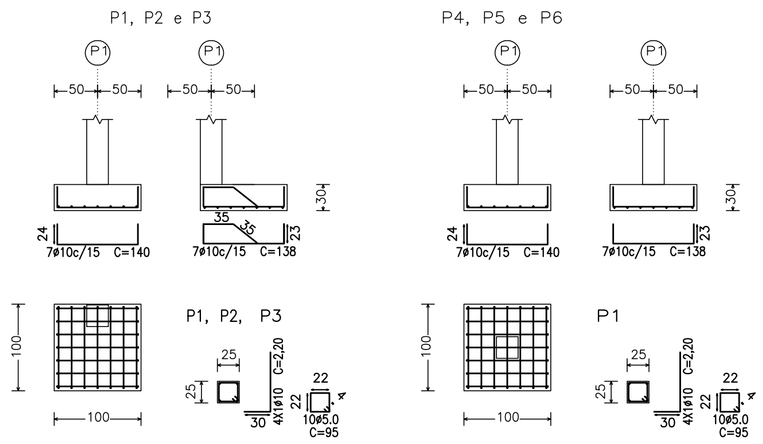


Fundação
Fundação
Concreto: C20, em geral
Escala: 1:100



Fundação
Detalhamento fundação
Concreto: C20, em geral
Escala: 1:100

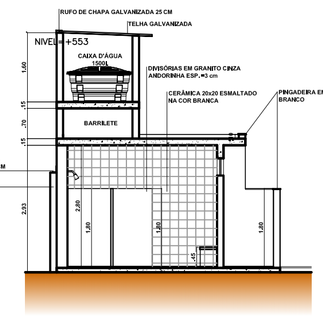
Resumo Aço Fundação Detalhamento fundação		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	ø6.3	158.7	43	
	ø10	242,80	170	
	ø12.5	209.3	226	439
CA-60-B	ø5.0	87.0	15	15
Total				454
Concreto		m³	14,00	
Formas		m²	27,72	

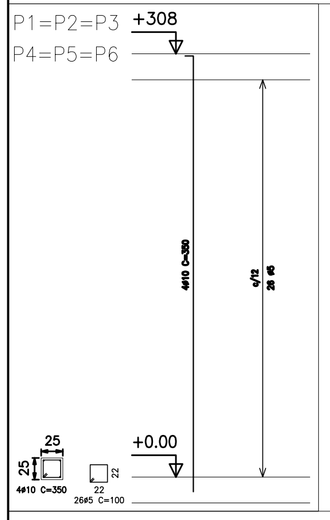
QUADRO DE ELEMENTOS DE FUNDAÇÃO

Referências	Dimensões (cm)	Altura (cm)	Armadura inf. X	Armadura inf. Y
S1,S2, S3,S4, S5 e S6	100x100	30	7ø10c/15	7ø10c/15
S7, S8, S9 e S10	80x80	30	4ø10c/20	4ø10c/20

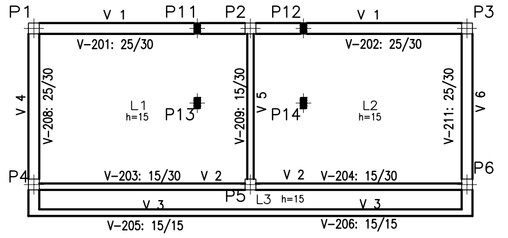
Tabela de cintas de amarração

Arm. sup.: 2 ø12.5 CA-50-A
Arm. inf.: 2 ø12.5 CA-50-A
Arm. pele: 1x2 ø12.5 CA-50-A
Estribos: 1xø6.3 CA-50-Ac/25





Resumo Aço +0.00 A +3.08 Pilares	Comp. total (m)	Peso+10% (kg)	Total
CA-50-A ø10	84	56	56
CA-60-B ø5	156	26	26
Total			82
Concreto	m³	1,30	
Forma	m²	21,00	

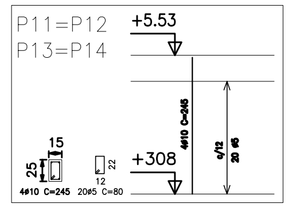


PLANTA DE FORMA DA LAJE DO PISO 2
NIVEL +3,08

ESCALA : 1/100

PILARES QUE MORREM NO NIVEL 3,08= P1-P2-P3-P4-P5-P6

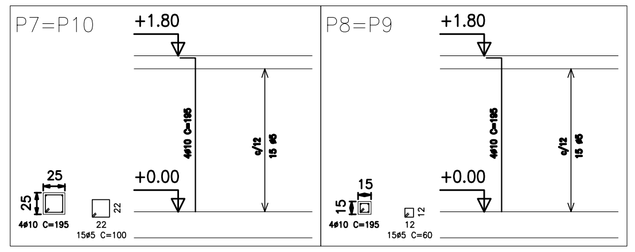
PILARES QUE NASCEM NO NIVEL 3,08= P11-P12-P13-P14 PARA APOIO DO RESERVATORIO DE ÁGUA



Resumo Aço +3.08 A +5.53 Pilares	Comp. total (m)	Peso+10% (kg)	Total
CA-50-A ø10	40	27	27
CA-60-B ø5	64	11	11
Total			38
Concreto	m³	0,61	
Forma	m²	10,00	

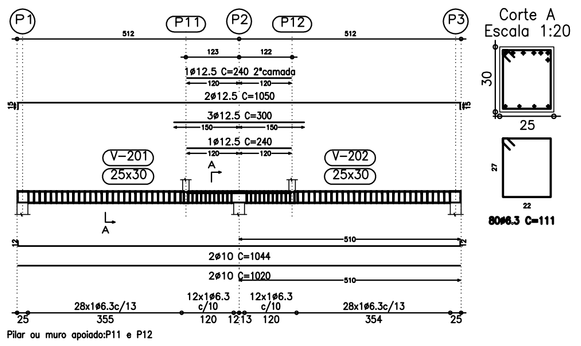
PILARES QUE MORREM NO NIVEL 1,80:P7-P10

PILARES QUE MORREM NO NIVEL 1,80:P8-P9



Resumo Aço +0.00 A +1.80 Pilares	Comp. total (m)	Peso+10% (kg)	Total
CA-50-A ø10	35	23	23
CA-60-B ø5	50	9	9
Total			32
Concreto	m³	0,31	
Forma	m²	4,00	

V 1
Escala 1:100

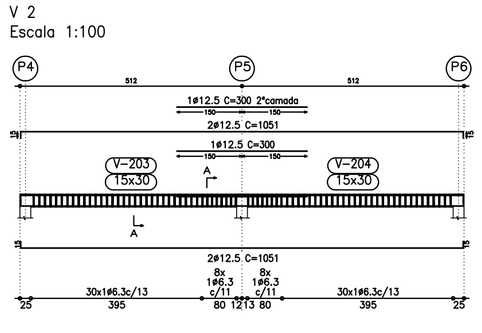


Pilar ou muro apoiado:P11 e P12

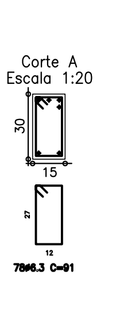
Ver esperas no detalhamento de pilares ou vista de muros

Corte A
Escala 1:20

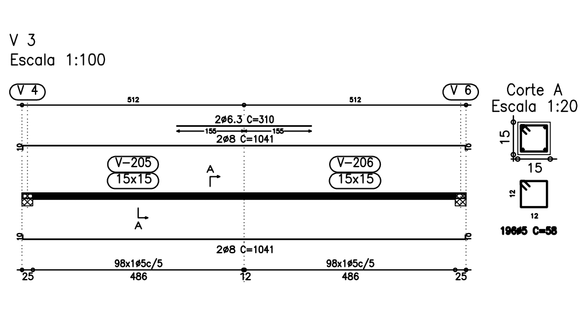
V 2
Escala 1:100



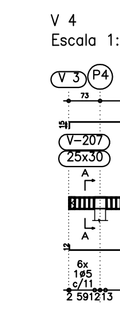
Corte A
Escala 1:20



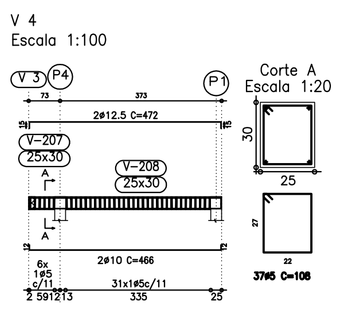
V 3
Escala 1:100



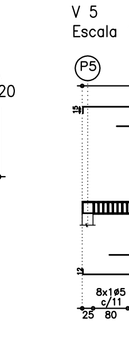
Corte A
Escala 1:20



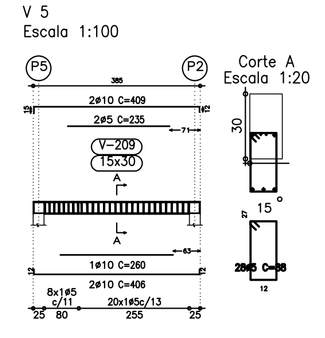
V 4
Escala 1:100



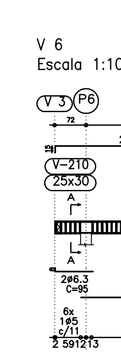
Corte A
Escala 1:20



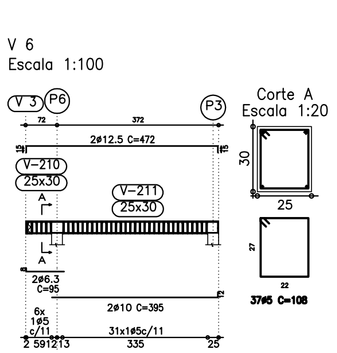
V 5
Escala 1:100



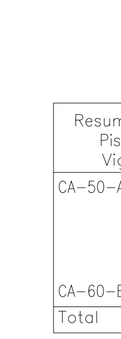
Corte A
Escala 1:20



V 6
Escala 1:100



Corte A
Escala 1:20



Resumo Aço Piso 2 Vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	ø6.3	166.1	45	
	ø8	41.6	18	
	ø10	77.4	53	
	ø12.5	101.7	110	226
CA-60-B	ø5	222.9	39	39
Total				265

PLANTA DE FORMA DO NIVEL +1,80
MOSTRANDO TRAVAMENTO DAS DUAS MURETAS
ESCALA : 1/100

Resumo Aço Piso 1 Vigas	Comp. total (m)	Peso+10% (kg)	Total
CA-50-A ø6.3	26.5	7	7
CA-60-B ø5	60.6	10	10
Total			17

V 1
Escala 1:100

Corte A
Escala 1:20

V 2
Escala 1:100

Corte A
Escala 1:20

DETALHAMENTO DAS VIGAS DE TRAVAMENTO DAS DUAS MURETAS COM 1,80 M DE ALTURA
ESCALA : 1/100

V 3
V 4
Escala 1:100

Corte A
Escala 1:20

ARMADURA POSITIVA DA LAJE NO NIVEL +308M
ESCALA : 1/100

ARMADURA NEGATIVA DA LAJE NO NIVEL +308M
ESCALA : 1/100

Resumo Aço Piso 2 Nivel 308 LAJES DE COBERTURA		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	ø6.3	540.00	150	
	ø8	125.00	55	
	ø10	120.00	80	285

ARMADURA POSITIVA DA LAJE NO NIVEL +393M
PISO DA CAIXA DÁGUA
ESCALA : 1/100

PLANTA DE FORMA DA LAJE NO NIVEL +393M
PISO DA CAIXA DÁGUA
ESCALA : 1/100

V 1
V 2
Escala 1:100

Corte A
Escala 1:20

V 3
Escala 1:100

Corte A
Escala 1:20

V 4
Escala 1:100

Corte A
Escala 1:20

Resumo Aço Piso 3 Vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	ø8	4.3	2	
	ø10	35.8	25	27
CA-60-B	ø5	52.8	9	9
Total				36

PLANTA DE FORMA DO NIVEL +5.53M
PISO DA CAIXA DÁGUA
ESCALA : 1/100

V 1
Escala 1:100

Corte A
Escala 1:20

V 2
Escala 1:100

Corte A
Escala 1:20

V 3
Escala 1:100

Corte A
Escala 1:20

V 4
Escala 1:100

Corte A
Escala 1:20

Resumo Aço NIVEL 5.53 Vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	ø8	4.3	2	
	ø10	35.6	25	27
CA-60-B	ø5	52.8	9	9
Total				36

Resumo Total da Obra			
Elemento	Formas (m²)	Volume (m³)	Barra (kg)
Baldrame	27.72	14.00	454
Lajes	62.84	6.18	285
Vigas	45.15	3.29	354
Sapata Fuste	24.39		
Pilares	35.00	2.22	152
Total	195.10	25.69	1245

REVISÕES:

Nº	Data	Alterações	Desenho
01	maio/2018	Revisão dos quadros de ferro	Tetê Monteiro

PREFEITURA DE JUIZ DE FORA
SECRETARIA DE OBRAS / SUBSECRETARIA DE COORD. E PROJETOS - SSCP

CAMPOS DE VÁRZEA NOVA ERA - VESTIÁRIO

FOLHA
EST
01 | 01

ETAPA
PROJETO ESTRUTURAL

CONTEÚDO
DETALHAMENTO DE FORMAS, VIGAS E PILARES

AUTOR (ES) DO PROJETO	SUB-SECRETÁRIA	SECRETÁRIO
ENG.: MARCOS ANTÔNIO AMADO ART 3718772	ENG. ROBERTA RUHENA	ENG. AMAURY COURI
DESENHO	DATA DO PROJETO	ARQUIVO
ENG. MARCOS ANTÔNIO AMADO	MARÇO/2018	VESTIÁRIO NOVA ERA .DWG

CONTRATO DE REPASSE: 1032.487-51/2016
RGI: 67.409/67.410