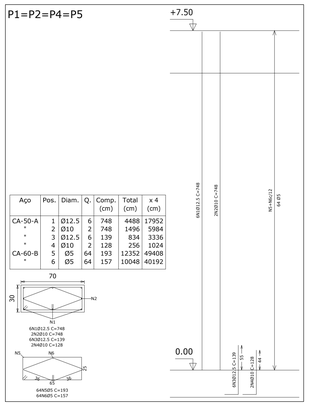
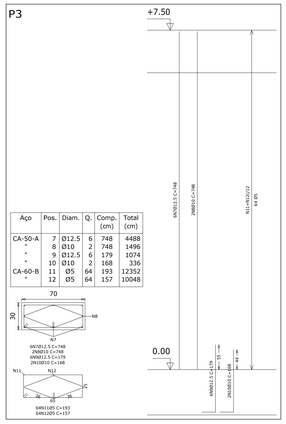


Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)	x 4 (cm)
CA-50-A	1	Ø12.5	6	748	4488	17952
"	2	Ø10	2	748	1496	5984
"	3	Ø12.5	6	139	834	3336
"	4	Ø10	2	128	256	1024
CA-60-B	5	Ø5	64	193	12352	49408
"	6	Ø5	64	157	10048	40192



Aço	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
CA-50-A	7	Ø12.5	6	748	4488
"	8	Ø10	2	748	1496
"	9	Ø12.5	6	179	1074
"	10	Ø10	2	168	336
CA-60-B	11	Ø5	64	193	12352
"	12	Ø5	64	157	10048

RESUMO PILARES

Resumo Aço VIGA Pilares		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	Ø10	88.4	61	
	Ø12.5	268.5	290	351
CA-60-B	Ø5	1116.8	193	193
Total				544

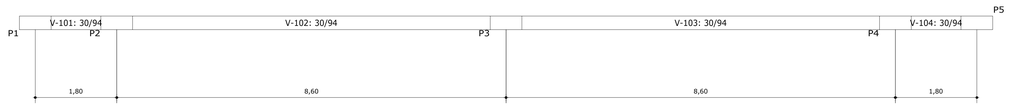
RESUMO CONCRETO = 6,9 m³
AREA DE FORMA =65,50 m²

RESUMO VIGA

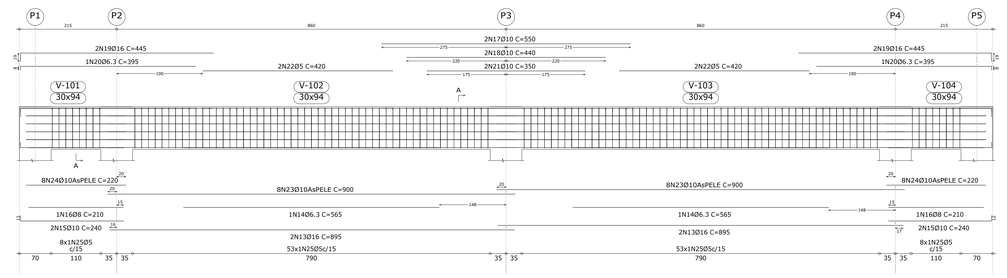
Resumo Aço VIGA Vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	Ø6.3	19.2	5	
	Ø8	4.2	2	
	Ø10	215.6	149	
	Ø16	53.6	93	249
CA-60-B	Ø5	307.2	53	53
Total				302

RESUMO CONCRETO = 6.08 m³
AREA DE FORMA = 33,84 m²

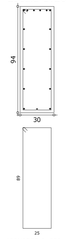
PLANTA FORMA VIGA
ESCALA 1/50



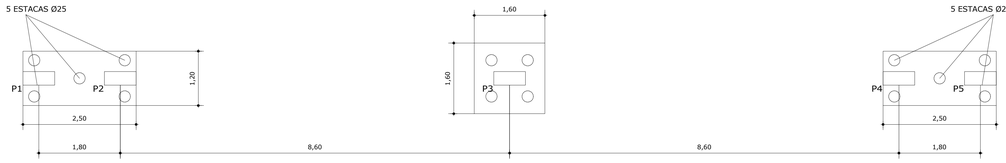
V 1
Escala 1:50



Corte A
Escala 1:20



PLANTA FUNDAÇÃO
ESCALA 1/50



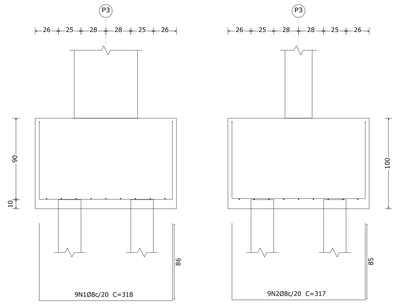
Resumo Aço Fundação Detalhamento fundação		Comp. total (m)	Peso+10% (kg)	Total
CA-50-A	Ø8	159.9	69	
	Ø10	13.0	9	
	Ø12.5	42.3	46	124
CA-60-B	Ø4.2	28.1	3	3
Total				127

RESUMO CONCRETO = 5,08 m³
AREA DE FORMA = 8,20 m²

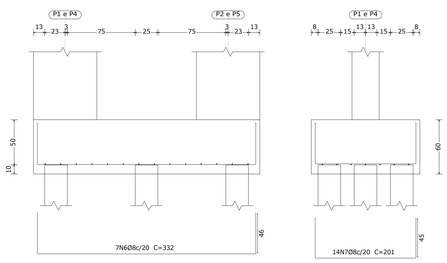
DETALHES DAS ESTACAS
COMPRESSAO

(x14)

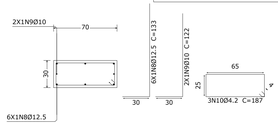
P3
Detalhamento fundação
Concreto: C20, em geral
Escala: 1:50



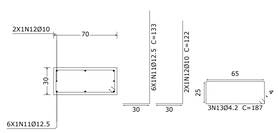
(P1-P2) e (P4-P5)



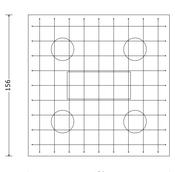
P1 e P4



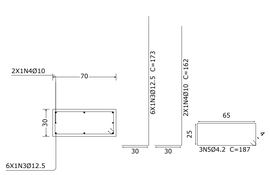
P2 e P5



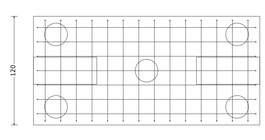
Estacas: EST



P3



Estacas: EST



PROJETO BÁSICO	folha 07/07

objeto
PORTAL ORNAMENTAL DE ENTRADA DA CIDADE DE JOÃO RAMALHO

proprietário **PREF. MUNICIPAL DE JOÃO RAMALHO**
endereço **R. Benedito S. Marcondes, nº 300 - Centro**
local da obra **R. Francisco de Azevedo**
bairro **Centro**
cidade **João Ramalho - SP.**

VIDE PLANTA DE LOCALIZAÇÃO

Declaro que a aprovação do projeto não implica no reconhecimento do direito de propriedade do terreno.

proprietário
PREF. MUN. JOÃO RAMALHO

áreas
Construção:
Portal Ornamental de Entrada da cidade.....1,00 unidade

autor e responsável técnico
THIAGO ALVES ADAIM
Engº Civil - CREA 5069927436

ART: 28027230191049441