CONFIGURAÇÃO DE PINAS EM PRETO

	01	02	03	04	05	06	07	08	252	253	180	50
COR	0,1	0,2	0,3	0,4	0,5	0,6	0,2	0,8	0,05	0,05	1,00	1,40
ESP.												

COLOR PLOTAR NA MESMA COR

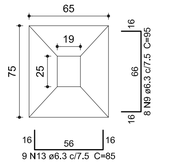
	10	30	110	113	116	160	251	254	255			
COR	10	30	110	113	116	160	251	254	255			
ESP.	0,8	0,2	0,65	0,65	0,05	0,6	0,1	0,2	0,2			

COLOR 70% DA COR

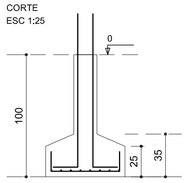
	94	93	61	31

S39

PLANTA
ESC 1:25



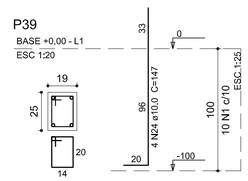
CORTE
ESC 1:25



Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³

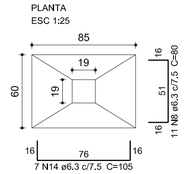
P39

BASE +0,00 - L1
ESC 1:20

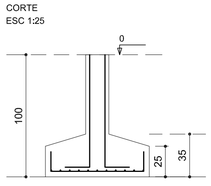


S49

PLANTA
ESC 1:25



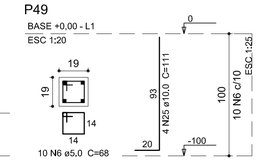
CORTE
ESC 1:25



Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³

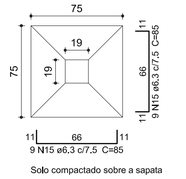
P49

BASE +0,00 - L1
ESC 1:20

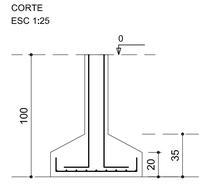


S48

PLANTA
ESC 1:25



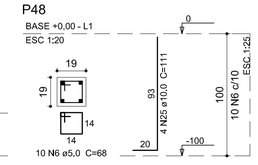
CORTE
ESC 1:25



Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³

P48

BASE +0,00 - L1
ESC 1:20



Relação do aço

BASE +0,00:

P39	P48
P49	S39
S48	S49

BASE +0,38:

2xP21	P23
2xP27	P29
P30	P34
P39	P40
S23	3xS25
2xS27	S29
S34	S40

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	14	80	1120
	2	5,0	84	70	5880
	3	5,0	15	80	1200
	4	5,0	30	24	720
	5	5,0	15	110	1650
	6	5,0	20	68	1360
	7	5,0	15	110	1650
CA50	8	6,3	20	80	1600
	9	6,3	15	95	1425
	10	6,3	30	80	2400
	11	6,3	38	90	3420
	12	6,3	10	100	1000
	13	6,3	9	85	765
	14	6,3	7	105	735
	15	6,3	18	85	1530
	16	10,0	4	35	140
	17	10,0	18	161	2898
	18	10,0	12	93	1116
	19	10,0	12	108	1296
	20	10,0	10	197	1970
	21	10,0	7	143	1001
	22	10,0	11	113	1243
	23	10,0	6	247	1482
	24	10,0	4	147	588
	25	10,0	8	111	888
	26	12,5	8	205	1640
	27	16,0	26	256	6656
	28	16,0	24	276	6624

Resumo do aço

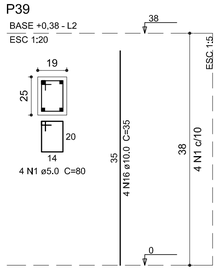
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	128.8	34.7
	10.0	126.3	85.6
	12.5	16.4	17.4
	16.0	132.8	230.6
CA60	5.0	135.8	23

PESO TOTAL (kg)	
CA50	368.2
CA60	23

Volume de concreto (C-30) = 0.72 m³
Volume de concreto (C-20) = 4.7 m³
Área de forma = 25.4 m²

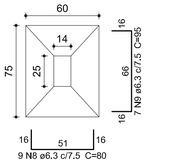
P39

BASE +0,38 - L2
ESC 1:20



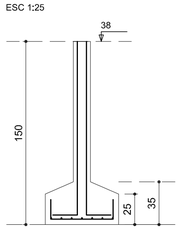
S40

PLANTA
ESC 1:25



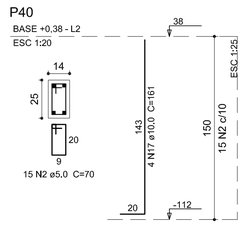
Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³

CORTE
ESC 1:25



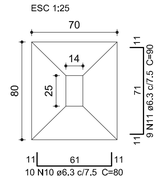
P40

BASE +0,38 - L2
ESC 1:20



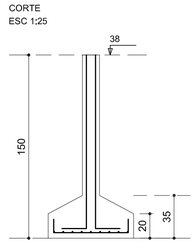
S21=S25=S30

PLANTA
ESC 1:25



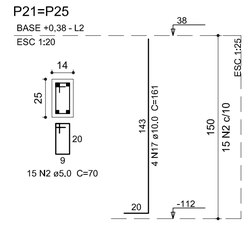
Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³

CORTE
ESC 1:25



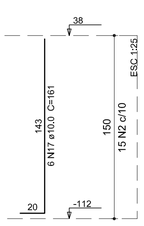
P21=P25

BASE +0,38 - L2
ESC 1:20



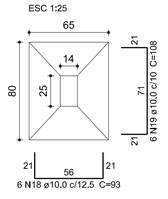
P30

BASE +0,38 - L2
ESC 1:20



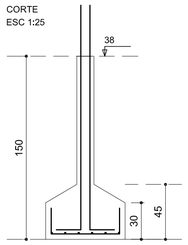
S27=S41

PLANTA
ESC 1:25



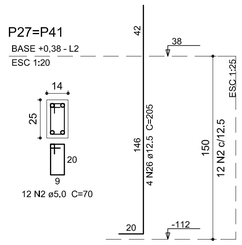
Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³

CORTE
ESC 1:25



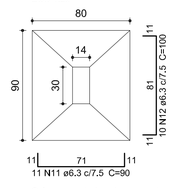
P27=P41

BASE +0,38 - L2
ESC 1:20



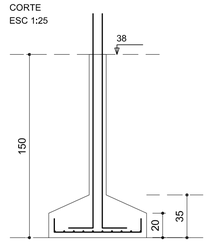
S23

PLANTA
ESC 1:25



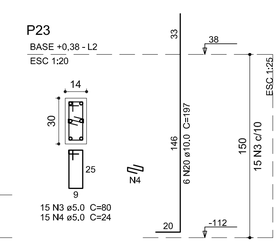
Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³

CORTE
ESC 1:25



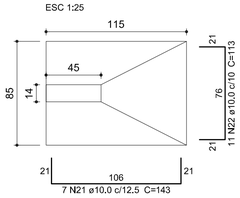
P23

BASE +0,38 - L2
ESC 1:20



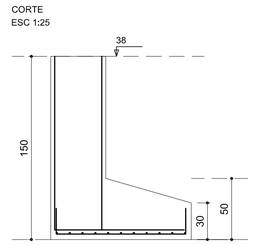
S29

PLANTA
ESC 1:25



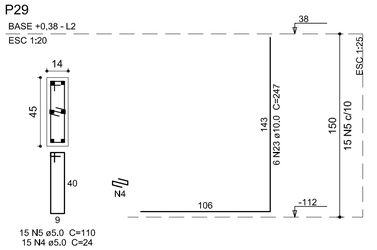
Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³

CORTE
ESC 1:25



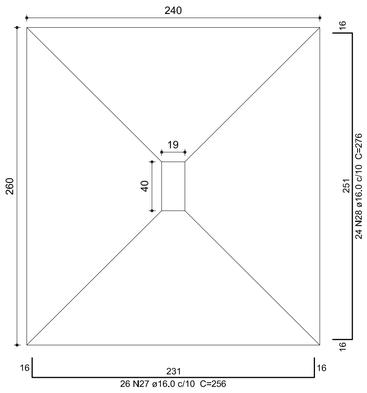
P29

BASE +0,38 - L2
ESC 1:20



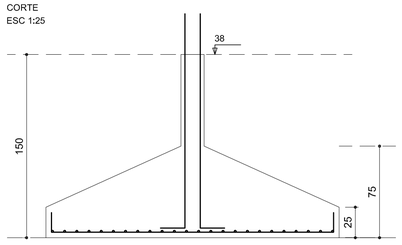
S34

PLANTA
ESC 1:25



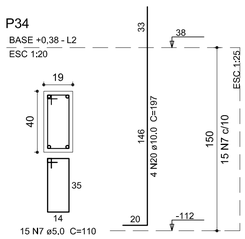
Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³

CORTE
ESC 1:25



P34

BASE +0,38 - L2
ESC 1:20



Nº	Data	Versão/Revisão
3		
2		
1		

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Proprietário: PREFEITURA MUNICIPAL DE SERRANIA-MG

Projeto: VELÓRIO - PROJETO ESTRUTURAL

Ref.: FUNDAÇÕES - FL.01

Endereço: RUA CORONEL ANTÔNIO FAUSTINO, SERRANIA - MG

Data: SET/2018

Escala: INDICADA

Folha: 05

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