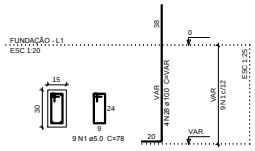
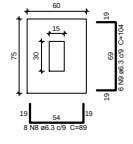
P1=P2=P35=P41



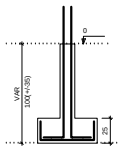
S1=S2=S35=S41

PLANTA
ESC 1:25

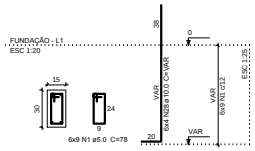


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

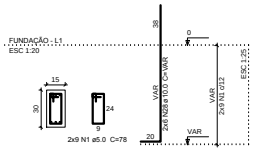
CORTE
ESC 1:25



P10=P11=P21=P22=P30=P32

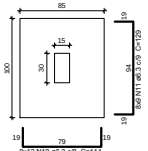


P3=P4



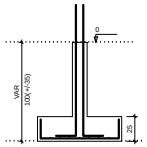
S3=S4=S10=S11=S21=S22=S30=S32

PLANTA
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



Relação do aço

S10	9xS13	S15
S16	14xS18	S28
4xS35	S47	S49
VB1	VB2	VB3

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	481	78	37518
	2	5.0	7	104	728
	3	5.0	14	27	378
	4	5.0	9	24	216
	5	5.0	7	82	574
	6	5.0	7	26	182
	7	5.0	14	122	1708
	8	6.3	32	89	2848
	9	6.3	121	104	12584
	10	6.3	176	114	20064
	11	6.3	72	129	9288
	12	6.3	72	119	8568
	13	6.3	140	109	15260
	14	6.3	126	124	15624
	15	6.3	24	129	3096
	16	6.3	90	99	8910
	17	6.3	8	94	752
	18	8.0	11	158	1738
	19	8.0	18	113	2034
	20	8.0	22	153	3366
	21	8.0	2	232	464
	22	8.0	2	268	536
	23	8.0	2	518	1036
	24	8.0	1	523	523
	25	8.0	3	526	1578
	26	8.0	2	222	444
	27	8.0	2	240	480
	28	10.0	196	VAR	VAR
	29	10.0	11	132	1452
	30	12.5	22	VAR	VAR

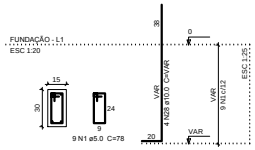
Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	6.3	970	237.65
	8.0	122	48.19
	10.0	320.3	197.63
	12.5	36.1	34.76
CA60	5.0	413.1	63.61

PESO TOTAL	
CA50	518.23
CA60	63.61

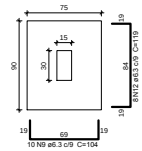
Vol. de concreto total (C-25) = 12.08 m³

P5=P12=P13=P14=P17=P23=P25=P37=P46



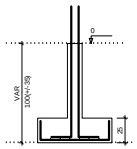
S5=S12=S13=S14=S17=S23=S25=S37=S46

PLANTA
ESC 1:25

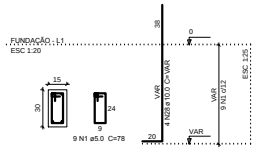


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

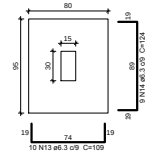


P6=P7=P8=P9=P18=P19=P20=P24=P29=P31=P33 =P43=P44=P45



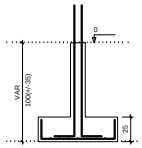
S6=S7=S8=S9=S18=S19=S20=S24=S29=S31=S33 =S43=S44=S45

PLANTA
ESC 1:25

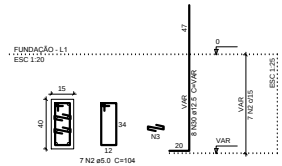


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

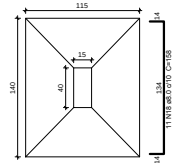


P15



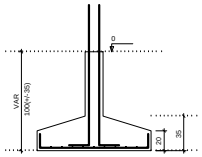
S15

PLANTA
ESC 1:25

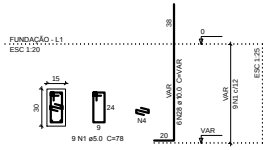


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



P16



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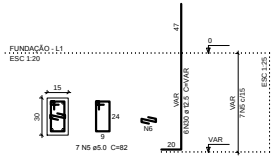
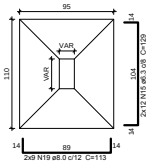


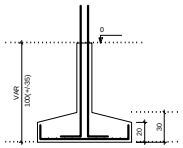
S16=S26

PLANTA
ESC 1:25

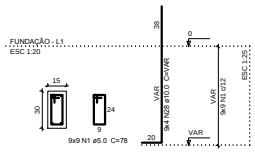


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



P27=P28=P34=P36=P38=P39=P40=P42=P50



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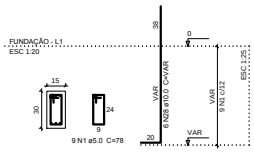
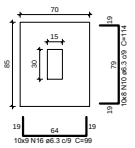


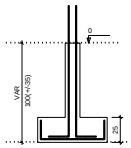
S27=S28=S34=S36=S38=S39=S40=S42=S48=S50

PLANTA
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



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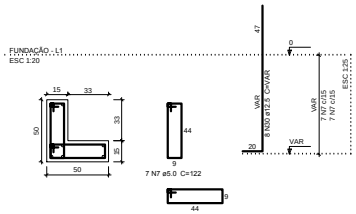
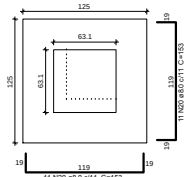


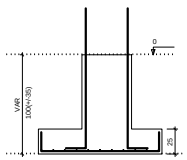
S47

PLANTA
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25



HELDER LIMA GOUDINHO: 09664518646

Assinado digitalmente por HELDER LIMA GOUDINHO: 09664518646
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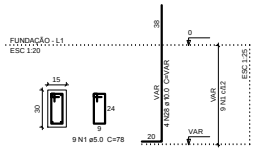
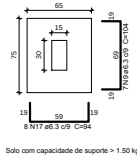


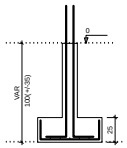
S49

PLANTA
ESC 1:25



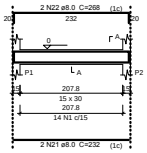
Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

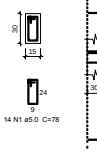


VB1

ESC 1:50

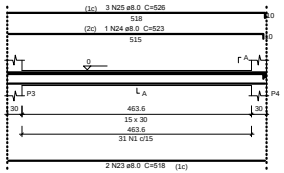


SEÇÃO A-A
ESC 1:25



VB2

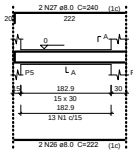
ESC 1:50



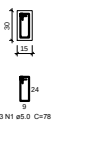
SEÇÃO A-A
ESC 1:25

VB3

ESC 1:50



SEÇÃO A-A
ESC 1:25



PROJETO ESTRUTURAL

TEL: (38) 3251-4429

JOÃO HENRIQUE NASCIMENTO REIS
Eng. Civil – CREA: 186.946/D

DATA: *SETEMBRO 2019*

ESCALA: *Indicada*

LOTE:

QUADRA:

PREFEITURA MUNICIPAL DE BOCAIUVA
CNPJ.: 18.803.072/0001-32

PRANCHA: *02/09*

Revisado por :

LOCAL: RUA JOÃO MARTIN SOBRINHO, CENTRO - BOCAIUVA, MG

Conteúdo:

DETALHAMENTO DAS SAPATAS E VIGA BALDRAME NIVEL 0,00