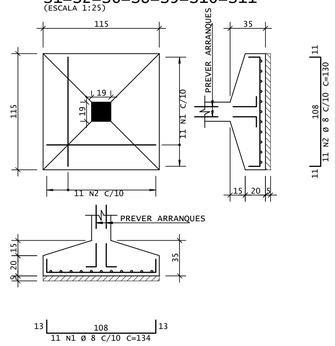
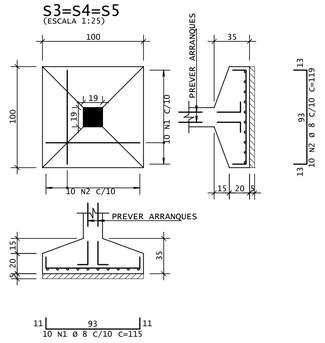
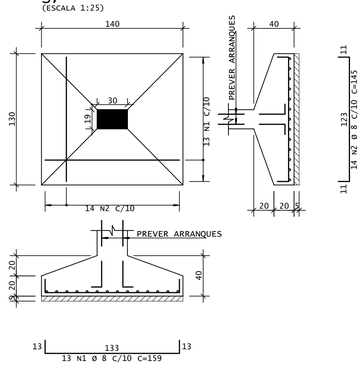
S1=S2=S6=S8=S9=S10=S11
(ESCALA 1:25)



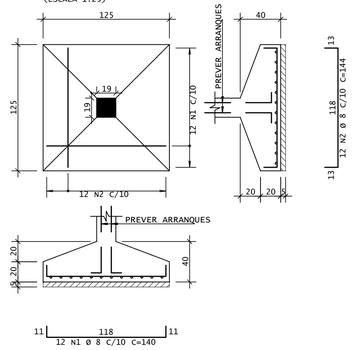
S3=S4=S5
(ESCALA 1:25)



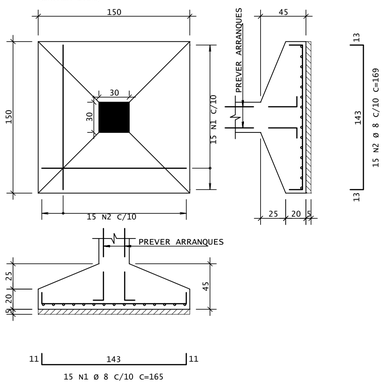
S7
(ESCALA 1:25)



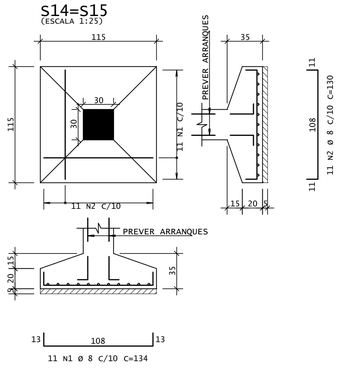
S12
(ESCALA 1:25)



S13=S16
(ESCALA 1:25)



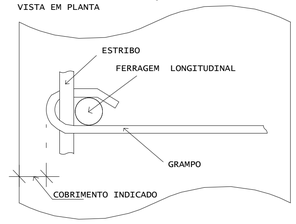
S14=S15
(ESCALA 1:25)



AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
P1=P2=P3=P4=P5=P6=P8=P12 (X8)					
	50	1	10	32	335	10720
	60	2	5	192	59	11328
	50	3	10	32	344	11008
	60	4	5	232	63	14616
P7						
	50	1	12.5	4	350	1400
	60	2	5	19	81	1539
	50	3	12.5	4	344	1376
	60	4	5	24	85	2040
P9=P11 (X2)						
	50	1	10	8	335	2680
	60	2	5	48	59	2832
	50	3	10	8	387	3096
	60	4	5	74	63	4662
	50	5	10	8	92	736
P10						
	50	1	10	4	335	1340
	60	2	5	24	59	1416
	50	3	10	4	387	1548
	60	4	5	42	63	2646
	50	5	10	4	142	568
P13=P14 (X2)						
	50	1	12.5	12	350	4200
	60	2	5	38	107	4066
	50	3	12.5	12	344	4128
	60	4	5	48	110	5280
P15=P16 (X2)						
	50	1	12.5	16	350	5600
	60	2	5	38	107	4066
	50	3	12.5	16	344	5504
	60	4	5	48	110	5280
S1=S2=S6=S8=S9=S10=S11 (X7)						
	50	1	8	77	134	10318
	50	2	8	77	130	10010
S3=S4=S5 (X3)						
	50	1	8	30	115	3450
	50	2	8	30	119	3570
S7						
	50	1	8	13	159	2067
	50	2	8	14	145	2030
S12						
	50	1	8	12	140	1680
	50	2	8	12	144	1728
S13=S16 (X2)						
	50	1	8	30	165	4950
	50	2	8	30	169	5070
S14=S15 (X2)						
	50	1	8	22	134	2948
	50	2	8	22	130	2860

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
60	5	598	92
50	8	507	200
50	10	317	196
50	12.5	222	214
Peso Total	60 =		92 kgf
Peso Total	50 =		610 kgf

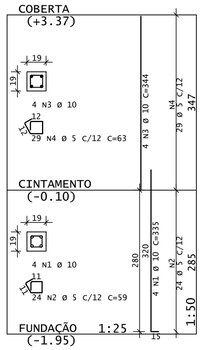
DETALHE P/ FIXAÇÃO DE GRAMPOS
VISTA EM PLANTA



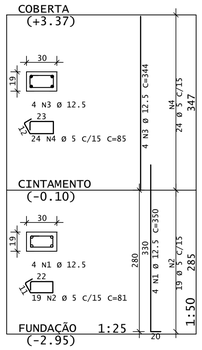
DIÂMETROS DE CURVATURA

Ø	8	10	12.5	16	20	22.5	25
db (cm)	4	5	6.5	8	16	18	20

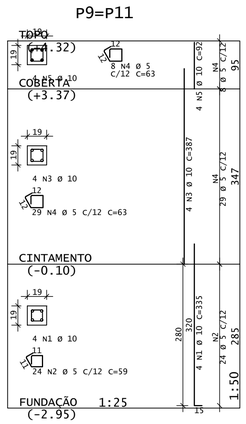
P1=P2=P3=P4=P5=P6=P8=P12



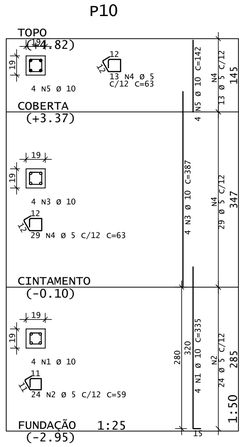
P7



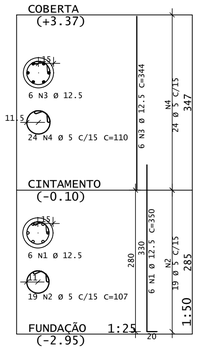
P9=P11



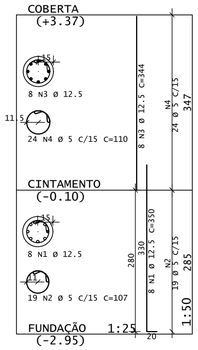
P10



P13=P14



P15=P16



ASSINATURAS E APROVAÇÃO

PROJETISTA

LÉONARDO SILVEIRA LIMA
ENGENHEIRO CIVIL - RNP: 0601581067

PROPRIETÁRIO

APROVAÇÃO

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FONE: 85 3241 1347| EMAIL: GEOPAC@GEOPAC.COM.BR

PROPRIETÁRIO:
PREFEITURA MUNICIPAL DE ARACATI

OBRA:
CONSTRUÇÃO DA SEDE DOS BUGUEIROS E ANEXO DE INFORMAÇÕES

PROJETO:
ESTRUTURAL DA CENTRAL DE TURISMO

IDENTIFICAÇÃO DOS DESENHOS:
SAPATAS E PILARES

LOCAL:		DATA:	PRANCHA:
ARACATI/CE		30/NOV	02/09
DESENHO: ARIELLY EDUARDA	ESCALA: INDICADA	ARQUIVO:	