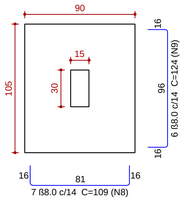
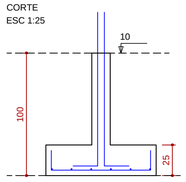
S1=S18=S19

PLANTA
ESC 1:25



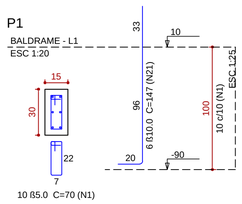
CORTE
ESC 1:25



Solo compactado sobre a sapata
peso especÍfico > 1600.00 kgf/mj

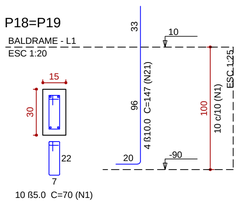
P1

BALDRAME - L1
ESC 1:20



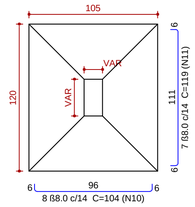
P18=P19

BALDRAME - L1
ESC 1:20

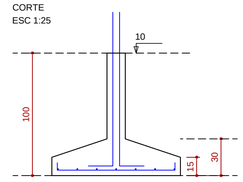


S2=S4=S15

PLANTA
ESC 1:25



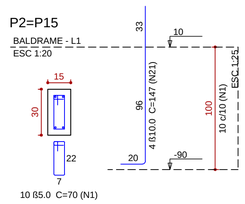
CORTE
ESC 1:25



Solo compactado sobre a sapata
peso especÍfico > 1600.00 kgf/mj

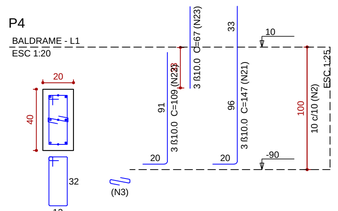
P2=P15

BALDRAME - L1
ESC 1:20



P4

BALDRAME - L1
ESC 1:20



Rela-«o do a-o

P1	2xP2	7xP3
P4	P5	2xP6
3xP7	P8	3xP16
2xP18	P20	P21
P22	P23	P24
P28	P30	S5
S8	5xS10	8xS12
2xS14	3xS15	3xS16
3xS18	S21	S28
2xS30		

Aç O	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	234	70	16380
	2	5.0	10	100	1000
	3	5.0	10	27	270
	4	5.0	10	90	900
	5	5.0	10	22	220
	6	5.0	30	78	2340
	7	5.0	10	80	800
CA50	8	8.0	21	109	2289
	9	8.0	18	124	2232
	10	8.0	24	104	2496
	11	8.0	62	119	7378
	12	8.0	123	114	14022
	13	8.0	85	129	10965
	14	8.0	49	99	4851
	15	8.0	7	124	868
	16	8.0	40	119	4760
	17	8.0	26	104	2704
	18	8.0	27	134	3618
	19	8.0	11	144	1584
	20	8.0	8	109	872
	21	10.0	123	147	18081
	22	10.0	5	109	545
	23	10.0	5	67	335
	24	12.5	8	155	1240

Resumo do a-o

Aç O	DIAM (mm)	C.TOTAL (m)	QUANT + 10 % (Barras)	PESO + 10 % (kg)
CA50	8.0	586.4	54	254.5
	10.0	189.7	18	128.6
	12.5	12.4	2	13.1
CA60	5.0	219.1	21	37.1

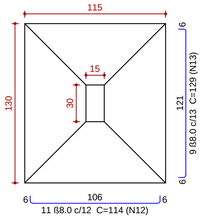
PESO TOTAL (kg)

CA50	396.2
CA60	37.1

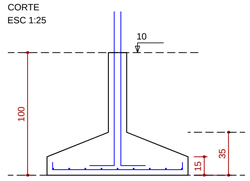
Volume de concreto (C-20) = 8.72 mj
Volume de concreto (C-30) = 1.49 mj
Área de forma = 50.97 mj

S3=S9=S12=S13=S17=S20=S27=S29

PLANTA
ESC 1:25



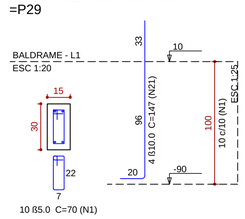
CORTE
ESC 1:25



Solo compactado sobre a sapata
peso especÍfico > 1600.00 kgf/mj

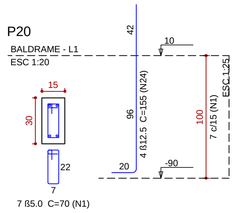
P3=P9=P12=P13=P17=P27=P29

BALDRAME - L1
ESC 1:20



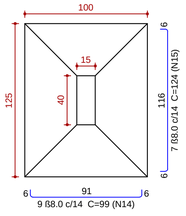
P20

BALDRAME - L1
ESC 1:20

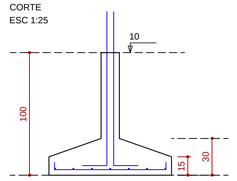


S5

PLANTA
ESC 1:25



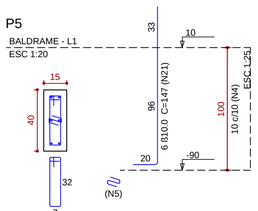
CORTE
ESC 1:25



Solo compactado sobre a sapata
peso especÍfico > 1600.00 kgf/mj

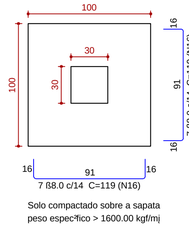
P5

BALDRAME - L1
ESC 1:20

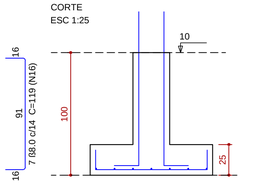


S6=S14

PLANTA
ESC 1:25



CORTE
ESC 1:25



Solo compactado sobre a sapata
peso especÍfico > 1600.00 kgf/mj

P6=P14

BALDRAME - L1
ESC 1:20

S7=S10=S11=S22=S24

PLANTA
ESC 1:25

CORTE
ESC 1:25

Solo compactado sobre a sapata
peso especÍfico > 1600.00 kgf/mj

P7=P10=P11

BALDRAME - L1
ESC 1:20

P22

BALDRAME - L1
ESC 1:20

P24

BALDRAME - L1
ESC 1:20

S8

PLANTA
ESC 1:25

CORTE
ESC 1:25

Solo compactado sobre a sapata
peso especÍfico > 1600.00 kgf/mj

P8

BALDRAME - L1
ESC 1:20

S16=S25=S26

PLANTA
ESC 1:25

CORTE
ESC 1:25

Solo compactado sobre a sapata
peso especÍfico > 1600.00 kgf/mj

P16=P25=P26

BALDRAME - L1
ESC 1:20

S21

PLANTA
ESC 1:25

CORTE
ESC 1:25

Solo compactado sobre a sapata
peso especÍfico > 1600.00 kgf/mj

P21

BALDRAME - L1
ESC 1:20

S23=S30

PLANTA
ESC 1:25

CORTE
ESC 1:25

Solo compactado sobre a sapata
peso especÍfico > 1600.00 kgf/mj

P23

BALDRAME - L1
ESC 1:20

P30

BALDRAME - L1
ESC 1:20

S28

PLANTA
ESC 1:25

CORTE
ESC 1:25

Solo compactado sobre a sapata
peso especÍfico > 1600.00 kgf/mj

P28

BALDRAME - L1
ESC 1:20

ESTADO DE SANTA CATARINA
SECRETARIA DE ESTADO DA INFRA ESTRUTURA
DEPARTAMENTO ESTADUAL DE INFRA ESTRUTURA
DIRETORIA DE OBRAS CIVIS - DIOC

DEINFRA

DIOC

NOME DO PROJETO : SST - SECRETARIA DE ESTADO DA ASSISTąNCIA SOCIAL, TRABALHO E HABITAÇÃO	REF.:
LOCAL: DIVERSAS LOCALIDADES DO ESTADO	
TIPO DE PROJETO: ESTRUTURAL	
CARACTERÍSTICAS: PROJETO PADRÃO - CREAS	
ARMADURAS DAS SAPATAS	2
PAVIMENTO: BALDRAME	
AUTOR DO PROJETO: ENG. CIVIL ROBERTO DANIEL GEVAERD CREA/SC 041750-9	
AVALIUS ENGENHARIA E AVALIAÇÕES LTDA	18
ÁREA: 220,04 mj / ESCALA: INDICADA / DATA: ABRIL/2017	DES. EDVANIO PACHECO

FORMATO A1 - INTERNO: 801 x 574 mm.
EXTERNO: 841 x 594 mm.