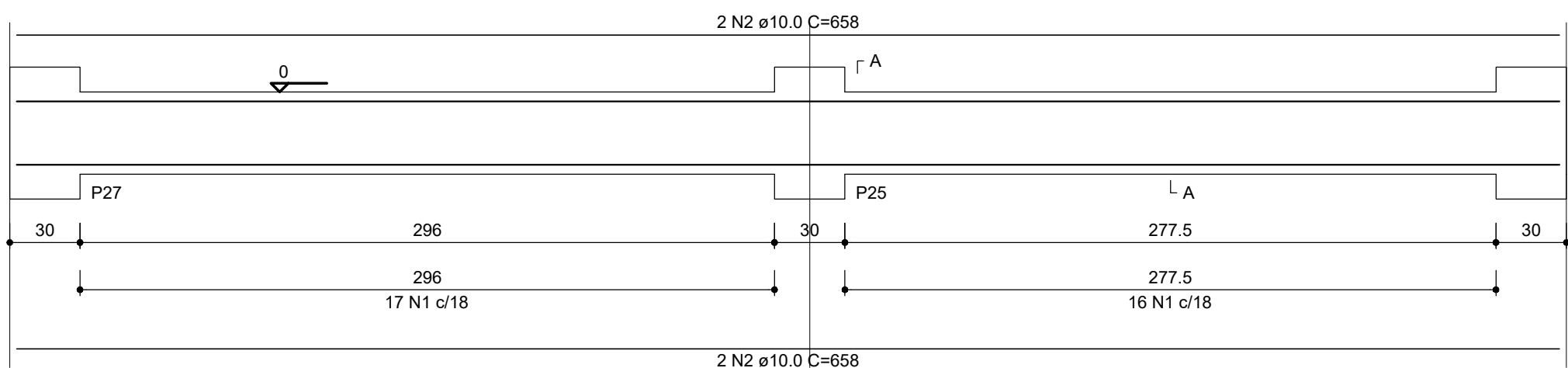
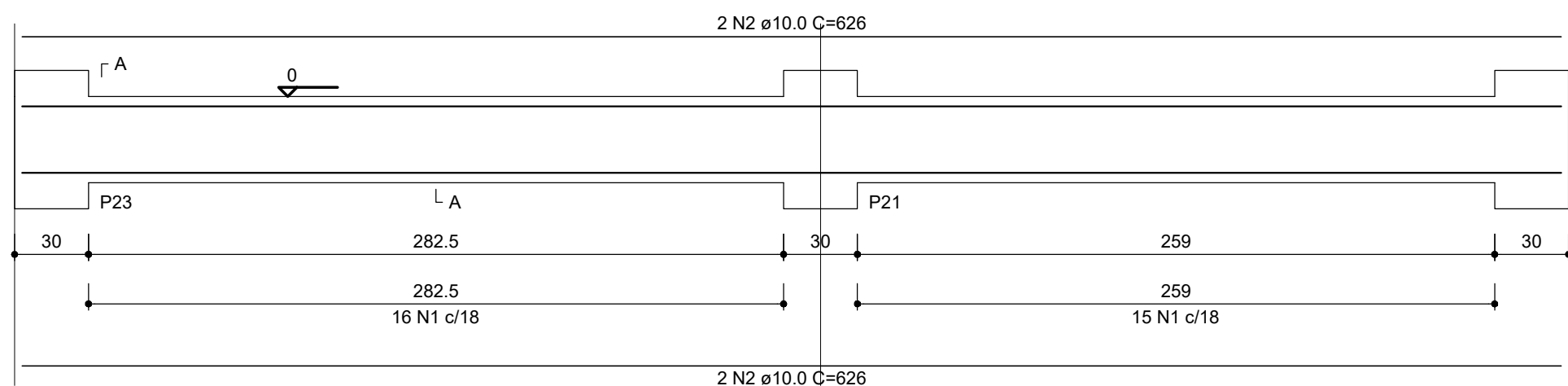


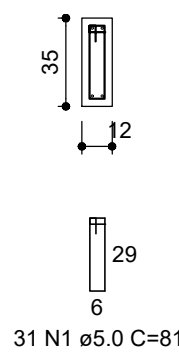
V23
ESC 1:25



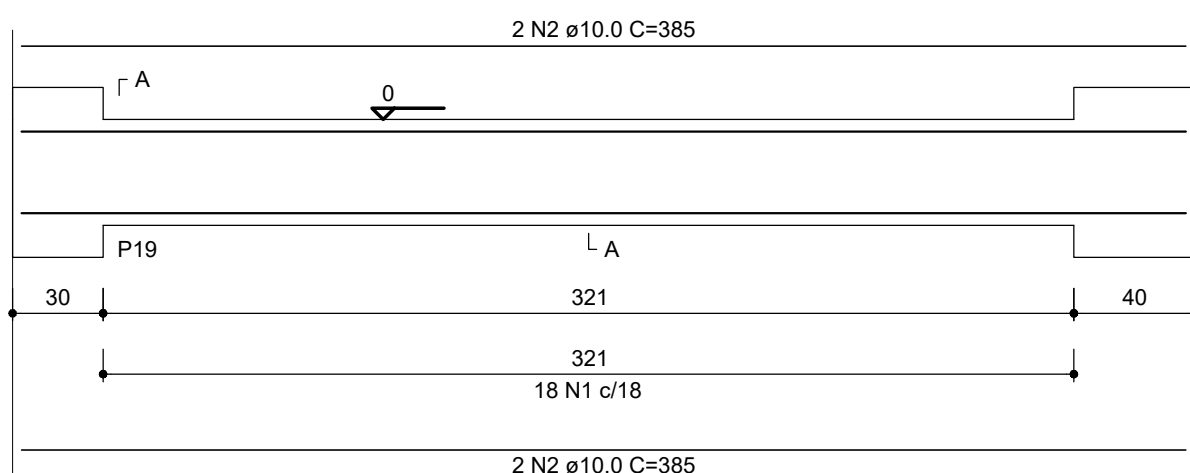
V24
ESC 1:25



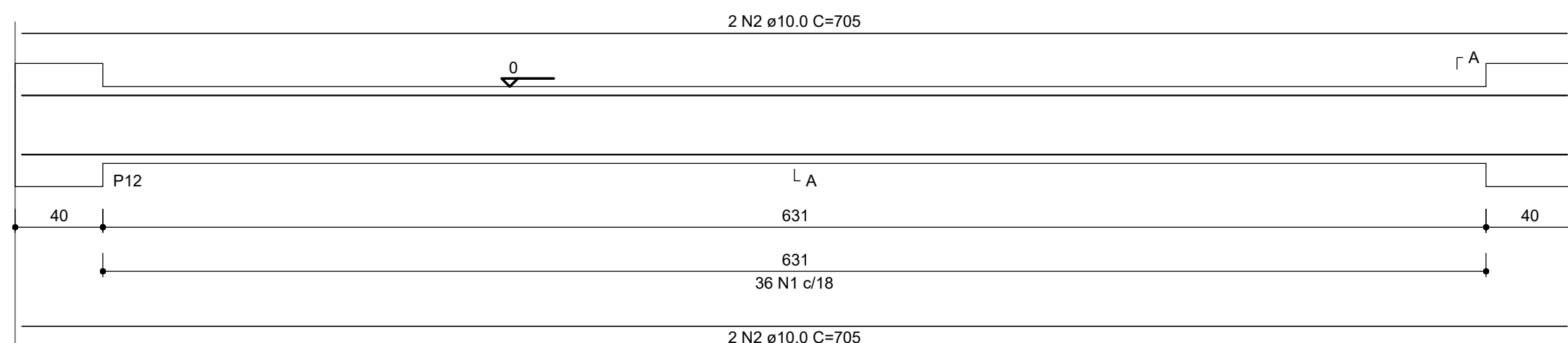
SEÇÃO A-A
ESC 1:30



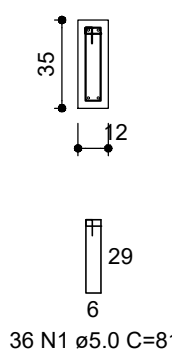
V25
ESC 1:25



V26
ESC 1:25

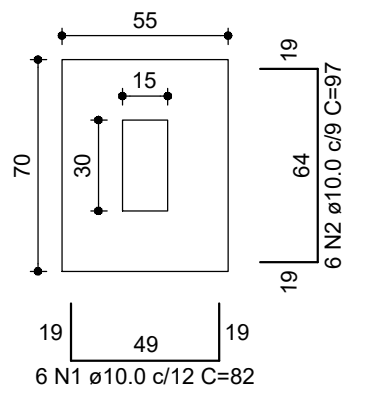


SEÇÃO A-A
ESC 1:30

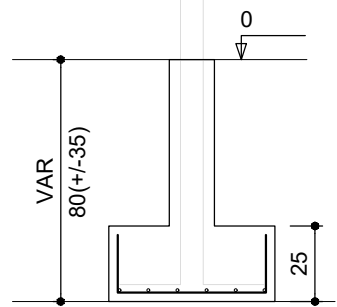


S13=S15=S18=S19=S20=S21=S22=S23=S24=S25
=S26=S27

PLANTA
ESC 1:25

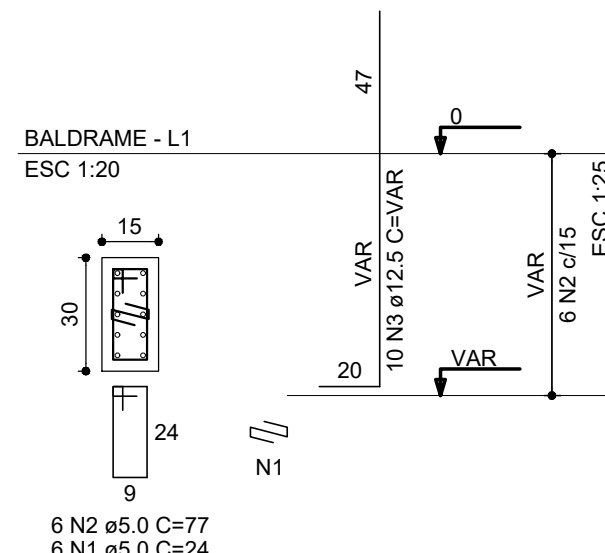


CORTE
ESC 1:25

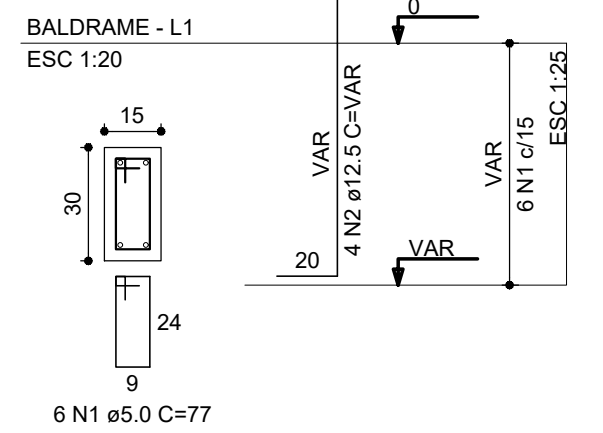


Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

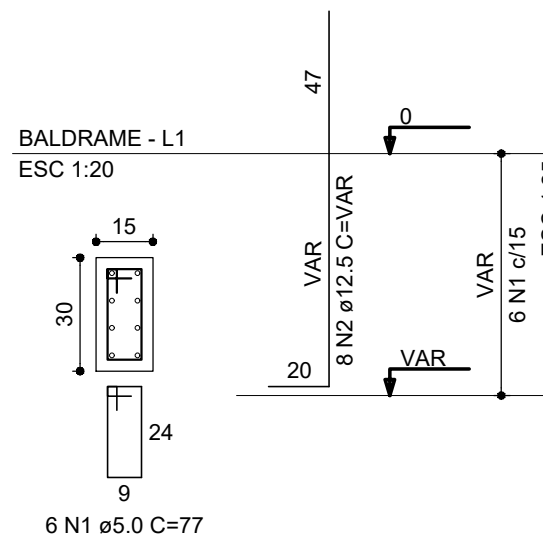
P13=P15=P25



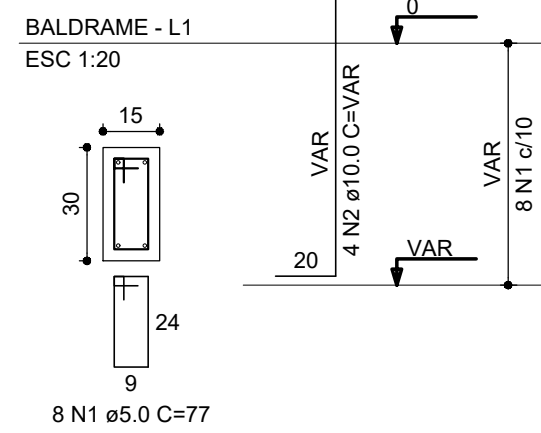
P18



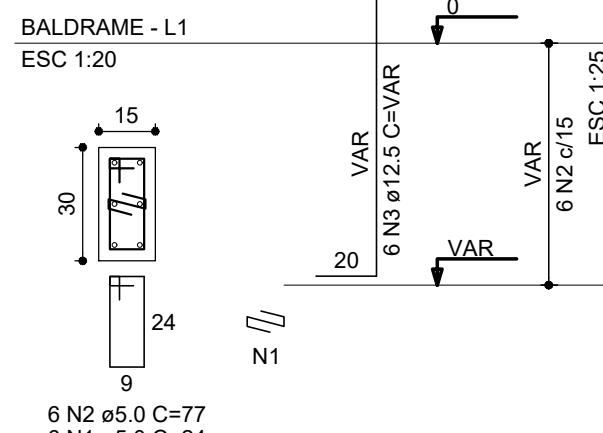
P19=P20=P21=P22=P23=P24



P26

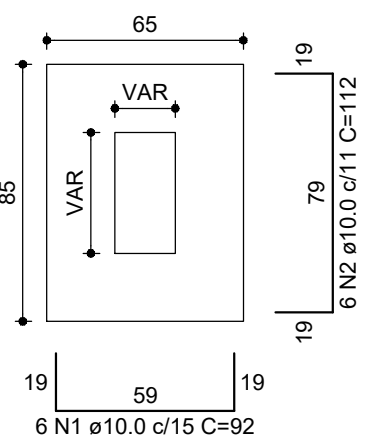


P27

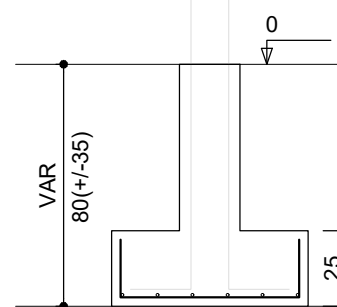


S1=S3=S4=S6=S14=S16=S17

PLANTA
ESC 1:25

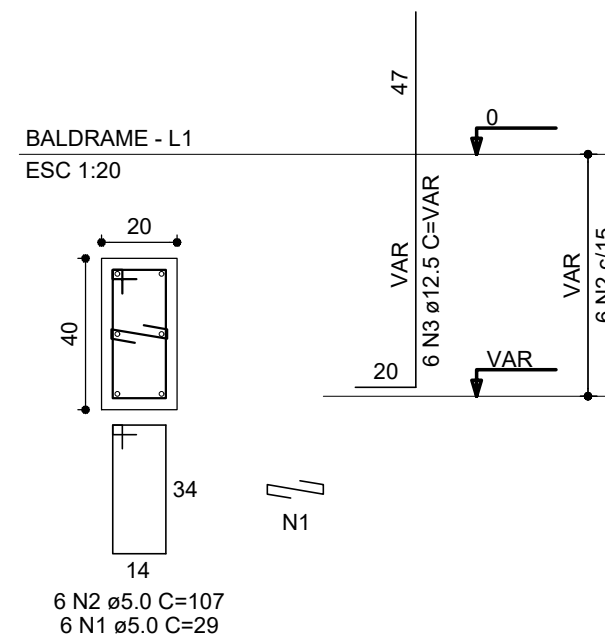


CORTE
ESC 1:25

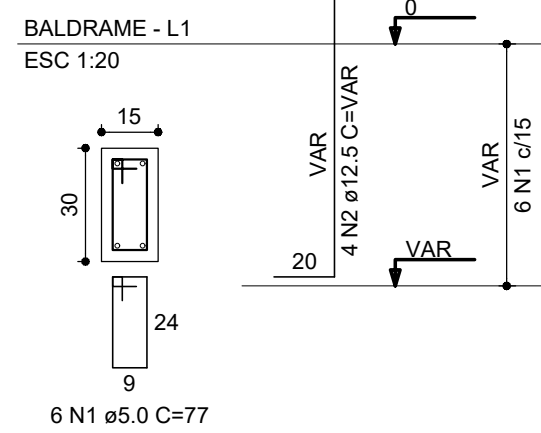


Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

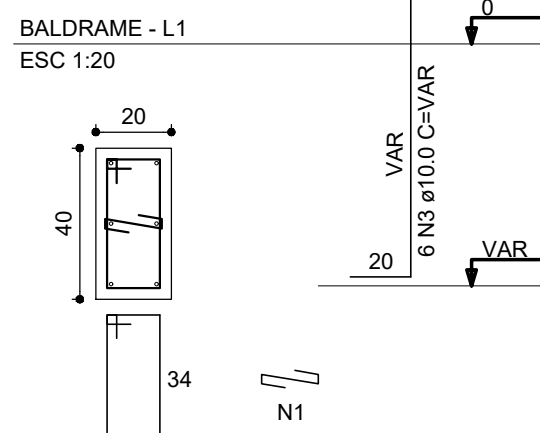
P1=P4=P6=P16



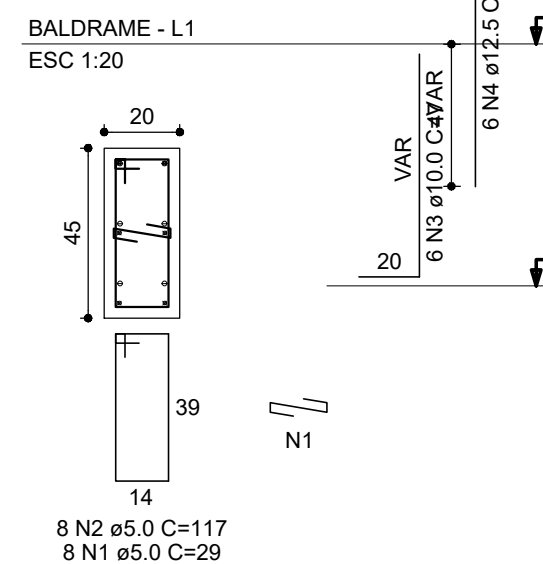
P14



P17

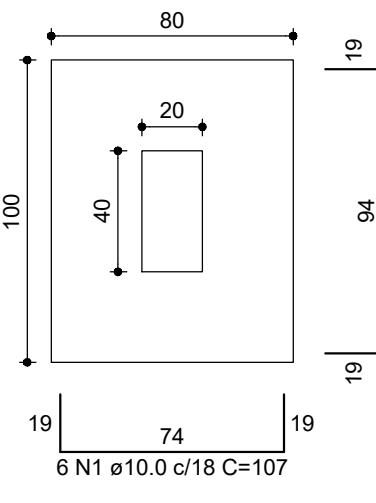


P3

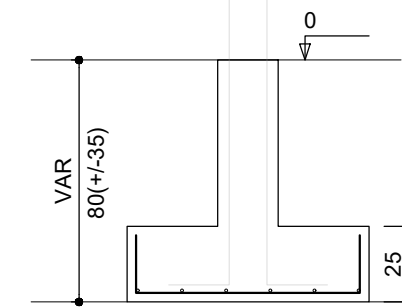


S7=S9=S10=S12

PLANTA
ESC 1:25

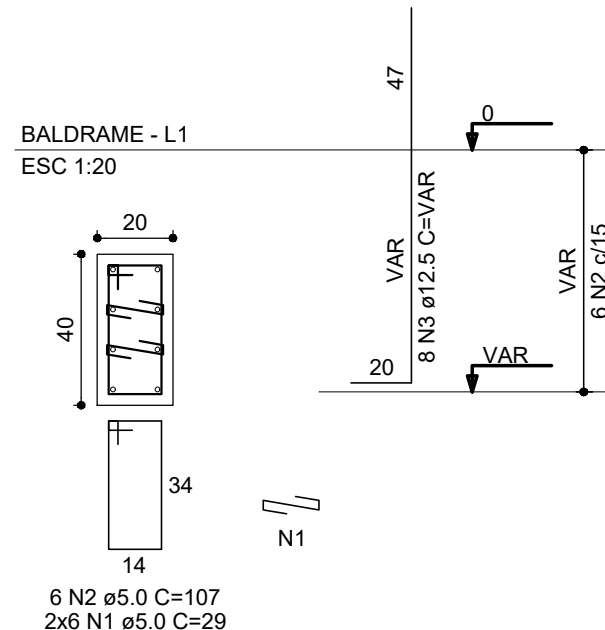


CORTE
ESC 1:25



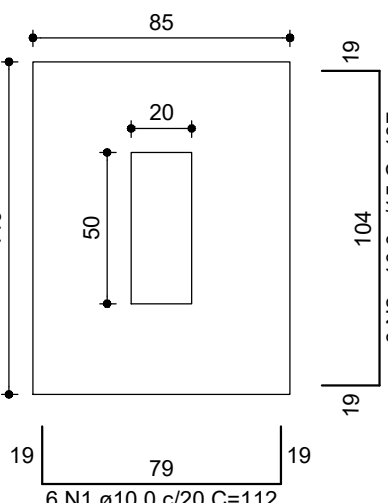
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P7=P9=P10=P12

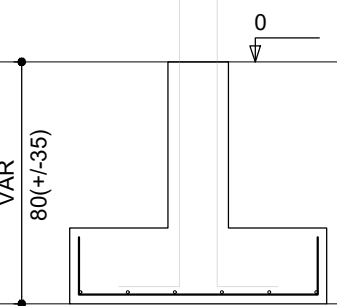


S2=S5

PLANTA
ESC 1:25

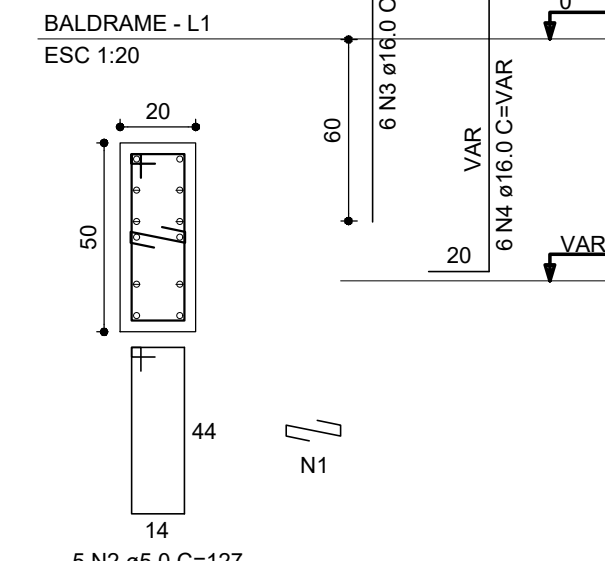


CORTE
ESC 1:25



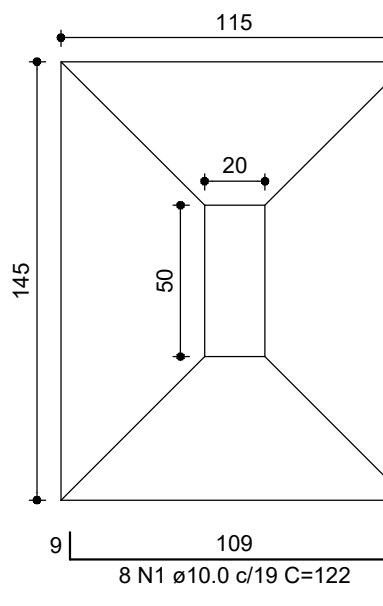
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P2=P5

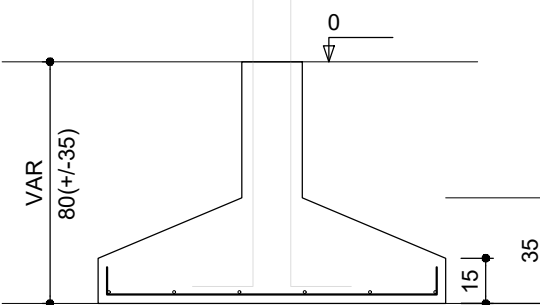


S8=S11

PLANTA
ESC 1:25

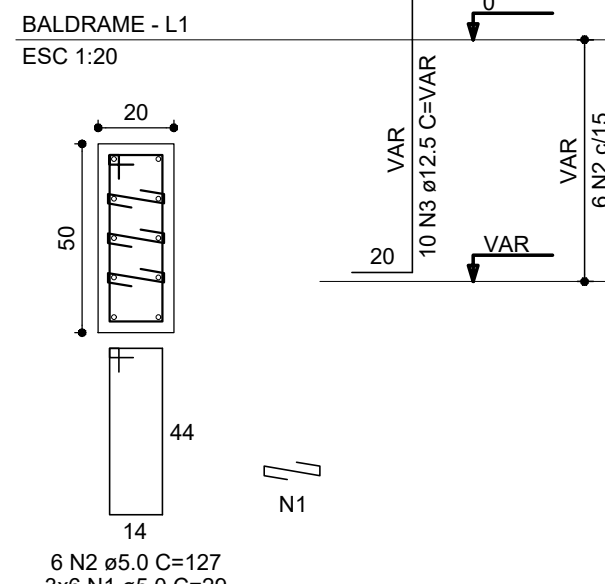


CORTE
ESC 1:25



Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P8=P11



RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
4xP1	CA60	1	5.0	24	29	696
2xP2	CA60	2	5.0	24	107	2568
	CA50	3	12.5	24	VAR	VAR
	CA60	1	5.0	10	29	290
	CA60	2	5.0	10	127	1270
	CA50	3	16.0	12	121	1452
	CA50	4	16.0	12	VAR	VAR
P3	CA60	1	5.0	8	29	232
	CA60	2	5.0	8	117	936
	CA50	3	10.0	6	VAR	VAR
	CA50	4	12.5	6	94	564
4xP7	CA60	1	5.0	48	29	1392
	CA60	2	5.0	24	107	2568
2xP8	CA50	3	12.5	32	VAR	VAR
	CA60	4	12.5	36	29	1044
	CA60	2	5.0	12	127	1524
3xP13	CA50	3	12.5	20	VAR	VAR
	CA60	1	5.0	18	24	432
	CA60	2	5.0	18	77	1386
P14	CA50	3	12.5	30	VAR	VAR
	CA60	1	5.0	6	77	462
P17	CA50	2	12.5	4	VAR	VAR
	CA60	1	5.0	8	29	232
	CA60	2	5.0	8	107	856
	CA50	3	10.0	6	VAR	VAR
P18	CA60	1	5.0	6	77	462
	CA50	2	12.5	4	VAR	VAR
6xP19	CA60	1	5.0	36	77	2772
	CA50	2	12.5	48	VAR	VAR
P26	CA60	1	5.0	8	77	616
	CA50	2	10.0	4	VAR	VAR
P27	CA60	1	5.0	6	77	462
	CA60	2	5.0	6	77	462
	CA50	3	12.5	6	VAR	VAR
7xS1	CA50	1	10.0	42	92	3864
	CA50	2	10.0	42	112	4704
2xS2	CA50	1	10.0	12	112	1344
	CA50	2	10.0	12	137	1644
4xS10	CA50	1	10.0	24	107	2568
	CA50	2	10.0	24	127	3048
2xS11	CA50	1	10.0	16	122	1952
	CA50	2	10.0	12	152	1824
12xS13	CA50	1	10.0	72	82	5904
	CA50	2	10.0	72	97	6984
V23	CA60	1	5.0	33	81	2673
	CA50	2	10.0	4	668	2632
V24	CA60	1	5.0	31	81	2511
	CA50	2	10.0	4	626	2504
V25	CA60	1	5.0	18	81	1458
	CA50	2	10.0	4	385	1540
V26	CA60	1	5.0	36	81	2916
	CA50	2	10.0	4	705	2820

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	452.1	306.6
	12.5	242.5	257
	16.0	32.9	57.1
CA60	5.0	299	50.7
PESO TOTAL (kg)			
CA50		620.7	
CA60		50.7	

Volume de concreto (C-25) = 6.62 m³

Área de forma = 63.04 m²

PREFEITURA MUNICIPAL DE BRAUNAS

GALPAO AGRICULTURA FAMILIAR

EMPENDIMENTO	ART Nº:	LOGRADOURO:	QUADRA:
	APROVAÇÃO:	BAIRRO:	CIDADE:
	SECRETARIA MUNICIPAL DE OBRAS	CENTRO	BRAUNAS/MG
PROJETO	DETALHE:	ESC.:	AREAS:
	USO:	INDICADA	AREA CONSTRUIDA = 621,00 m2 AREA DO TERRENO = 1.500,00 m2
	TITULO:		FOLHA:
	PROJETO ESTRUTURAL GALPAO AGRICULTURA FAMILIAR - BRAUNAS / MG		09/12