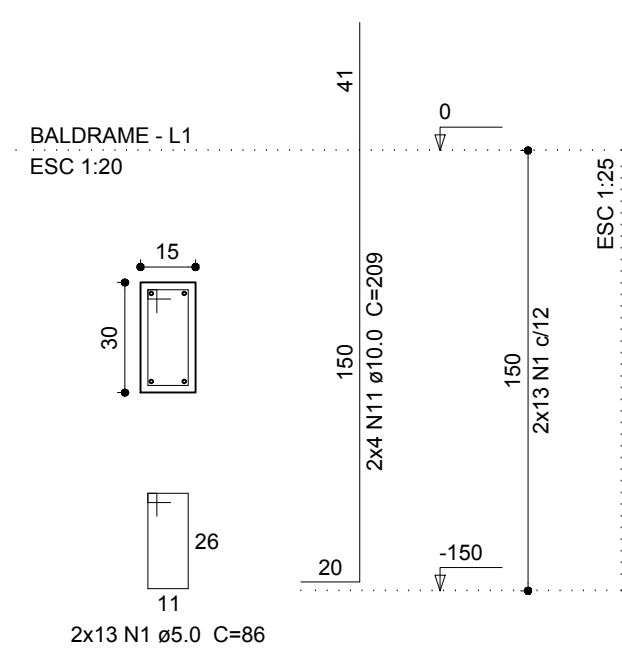
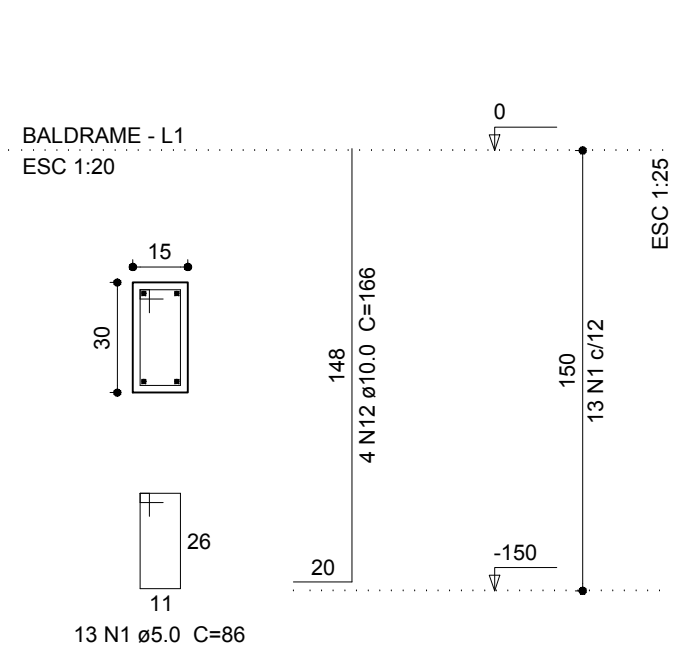


P10=P14

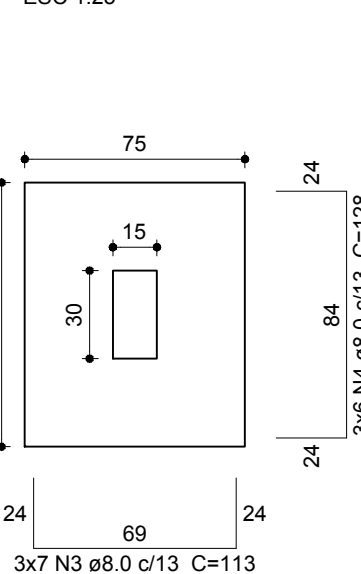


P6



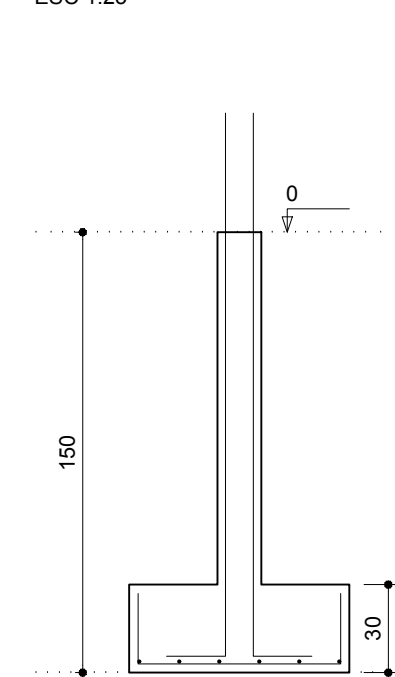
S6=S10=S14

PLANTA
ESC 1:25

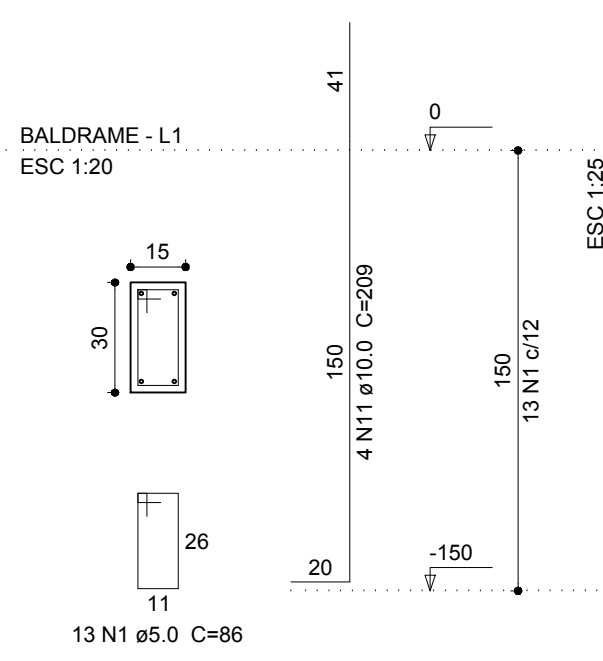


Solo compactado sobre a sapata
peso específico > 1600.00 kg/m³

CORTE
ESC 1:25

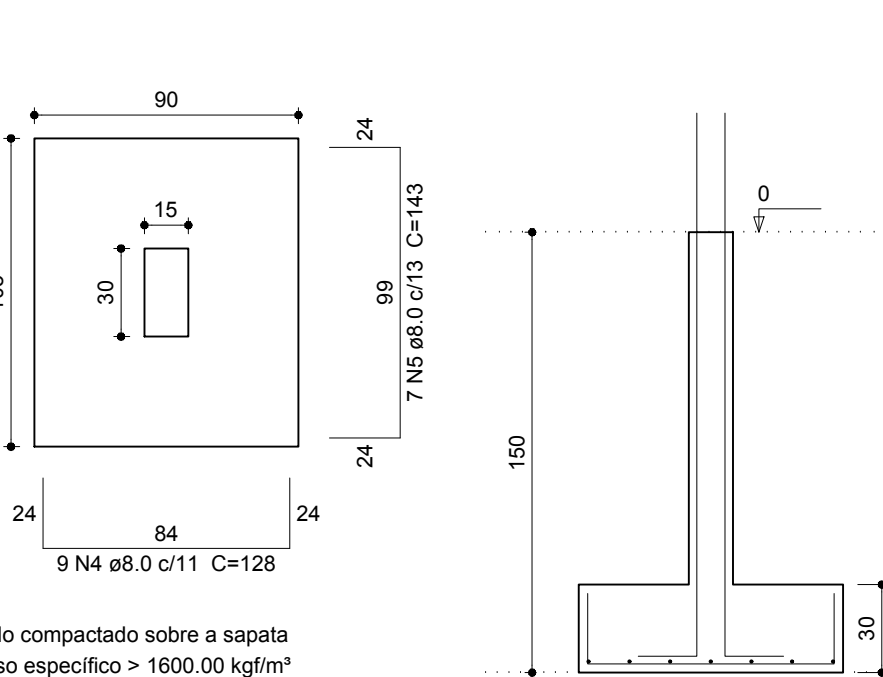


P4=P12=P13=P16=P17=P20=P22=P23



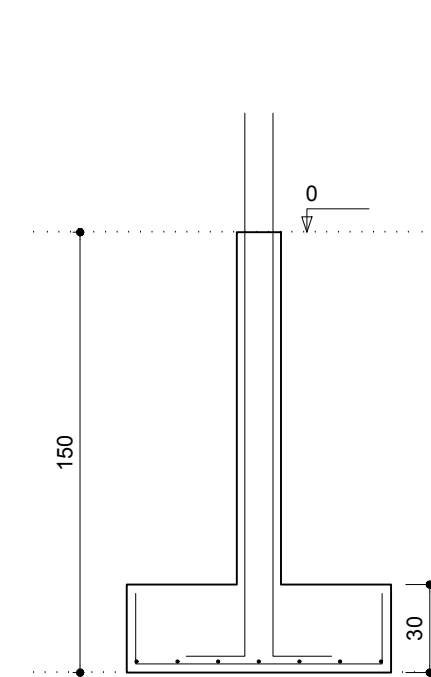
S4=S12=S13=S16=S17=S20=S22=S23

PLANTA
ESC 1:25

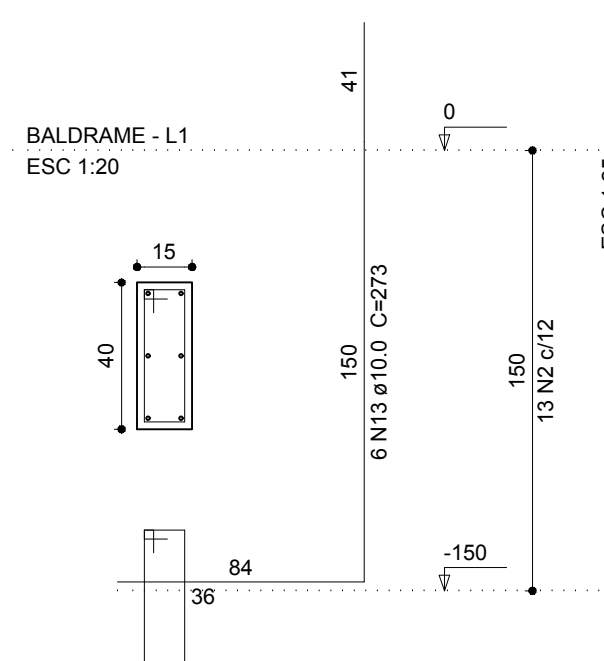


Solo compactado sobre a sapata
peso específico > 1600.00 kg/m³

CORTE
ESC 1:25

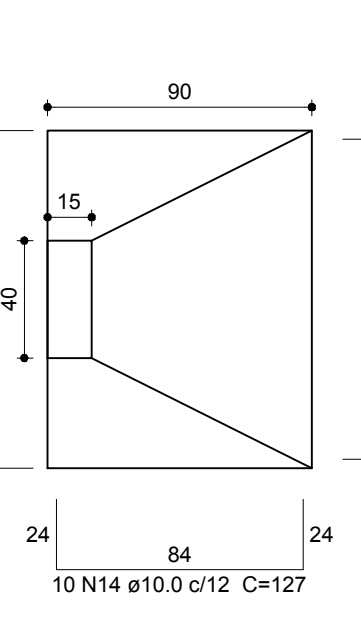


P21



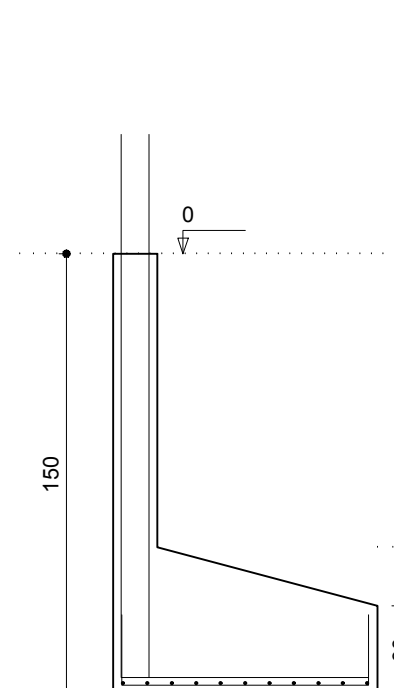
S21

PLANTA
ESC 1:25



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

CORTE
ESC 1:25



Relação do aço

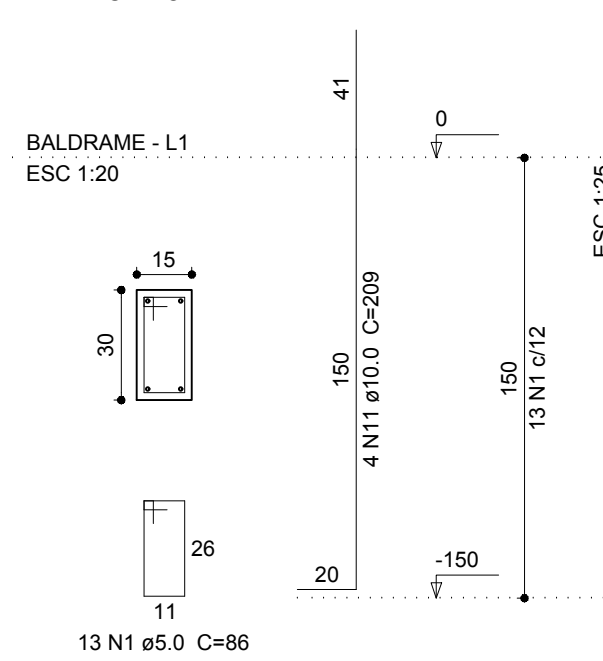
ACO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	273	86	23478
	2	5.0	32	106	3512
	3	8.0	21	113	2373
	4	8.0	90	128	11520
	5	8.0	56	143	8008
	6	8.0	47	153	7191
	7	8.0	44	158	6972
	8	8.0	26	168	4368
	9	8.0	12	163	1956
	10	8.0	52	168	8736
	11	10.0	76	209	15884
	12	10.0	4	166	664
	13	10.0	6	273	1638
	14	10.0	10	127	1270
	15	10.0	22	278	6116
	16	10.0	22	142	3124
	17	10.0	11	132	1452
	18	10.0	4	283	1172
	19	10.0	11	187	2057
	20	10.0	44	162	6988
	21	10.0	14	162	2268
	22	10.0	10	177	1770
	23	12.5	9	166	1494

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	502.3	198.41
	10.0	441.1	242.16
	12.5	15	14.45
CA50	5.0	289.9	44.64
PESO TOTAL (kg)			
CA50		455.02	
CA80		44.64	

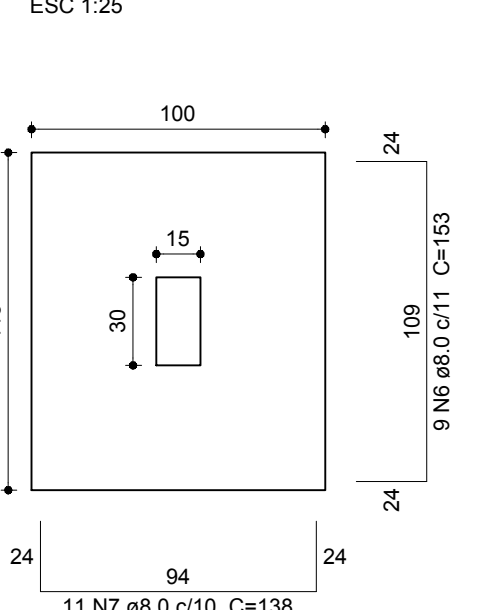
Volume de concreto (C-20) = 11.13 m³
Área de forma = 66.24 m²

P1=P5=P9=P11



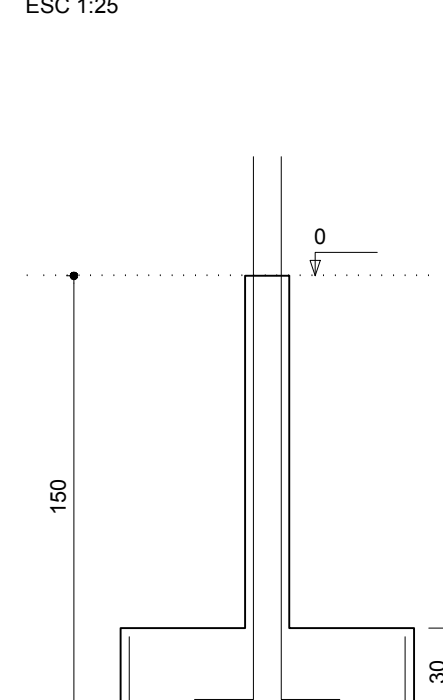
S1=S5=S9=S11

PLANTA
ESC 1:25

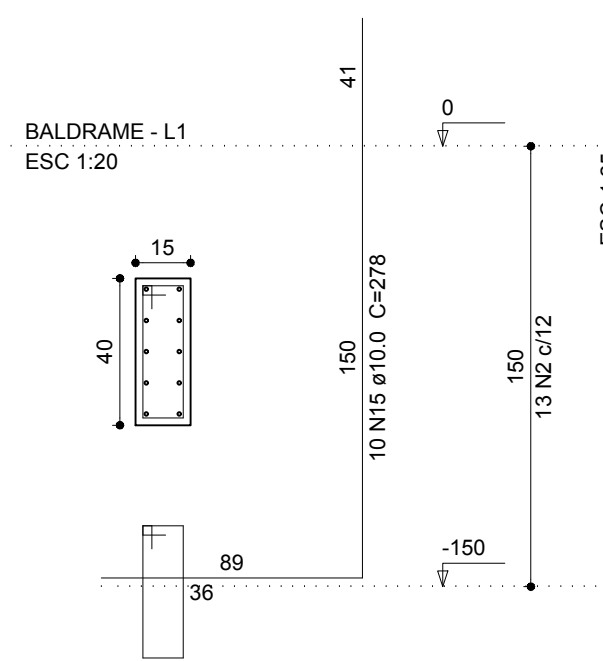


Solo compactado sobre a sapata
peso específico > 1600.00 kg/m³

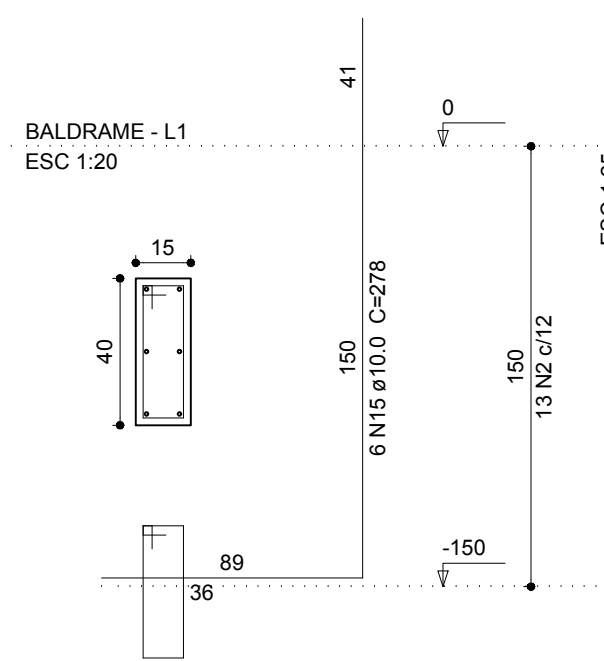
CORTE
ESC 1:25



P25

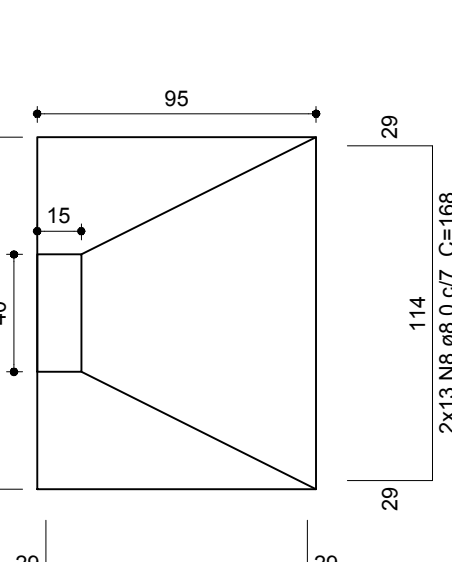


P3



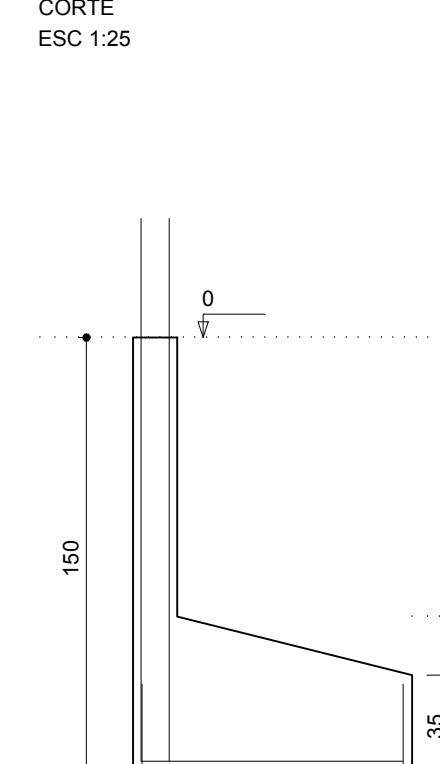
S3=S25

PLANTA
ESC 1:25

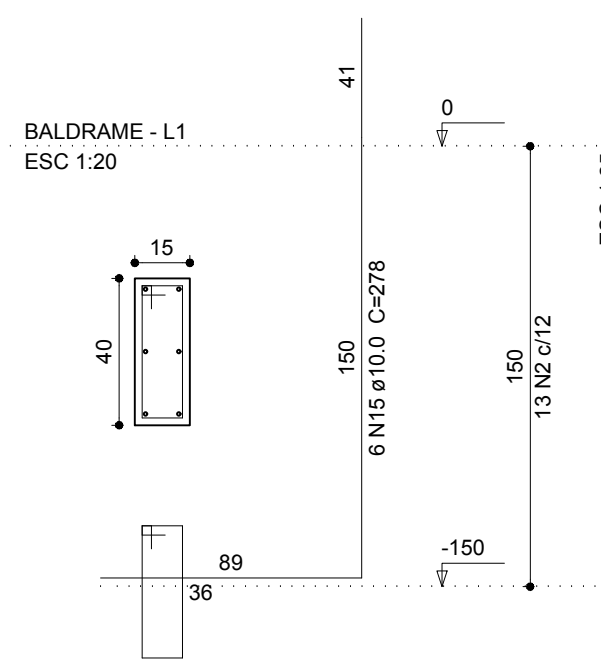


Solo compactado sobre a sapata
peso específico > 1600.00 kg/m³

CORTE
ESC 1:25

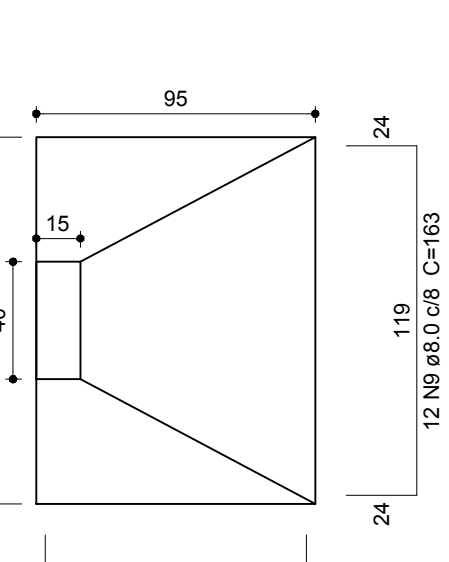


P7



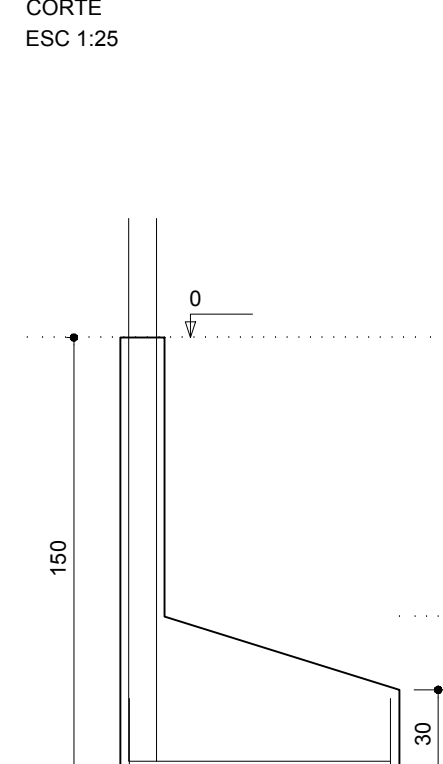
S7

PLANTA
ESC 1:25

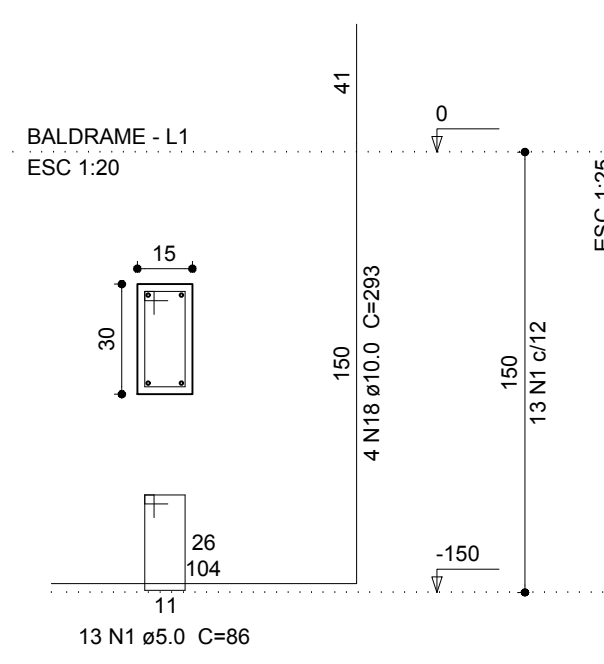


Solo compactado sobre a sapata
peso específico > 1600.00 kg/m³

CORTE
ESC 1:25

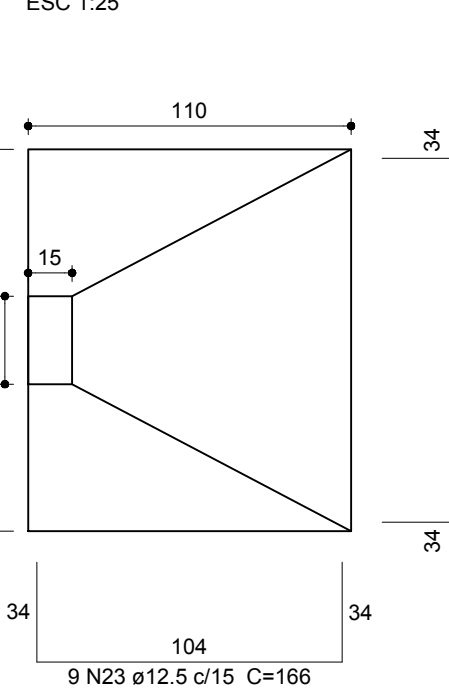


P18



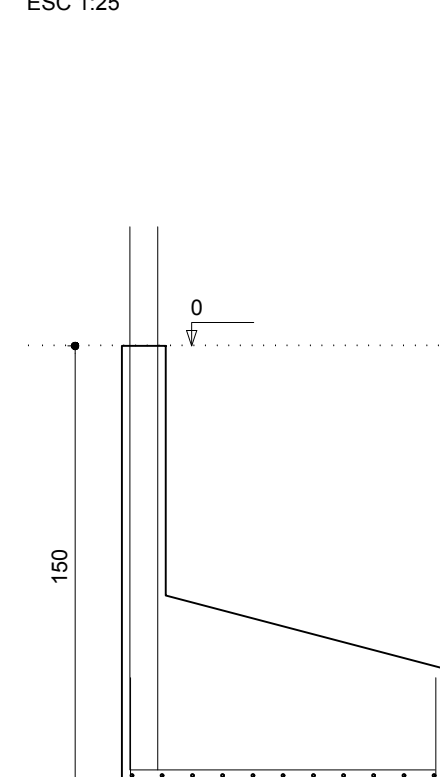
S18

PLANTA
ESC 1:25

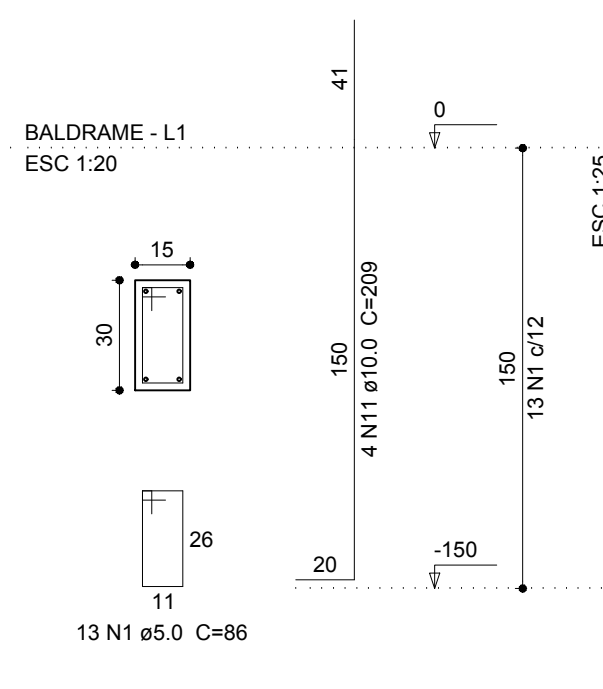


Solo compactado sobre a sapata
peso específico > 1600.00 kg/m³

CORTE
ESC 1:25

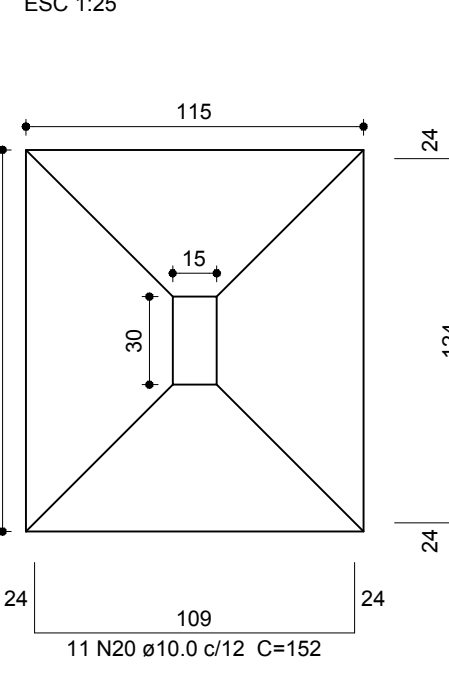


P2=P8=P15=P24



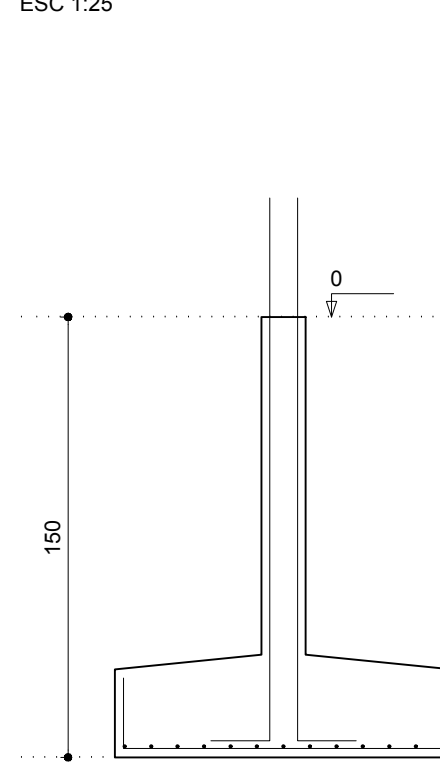
S2=S8=S15=S24

PLANTA
ESC 1:25

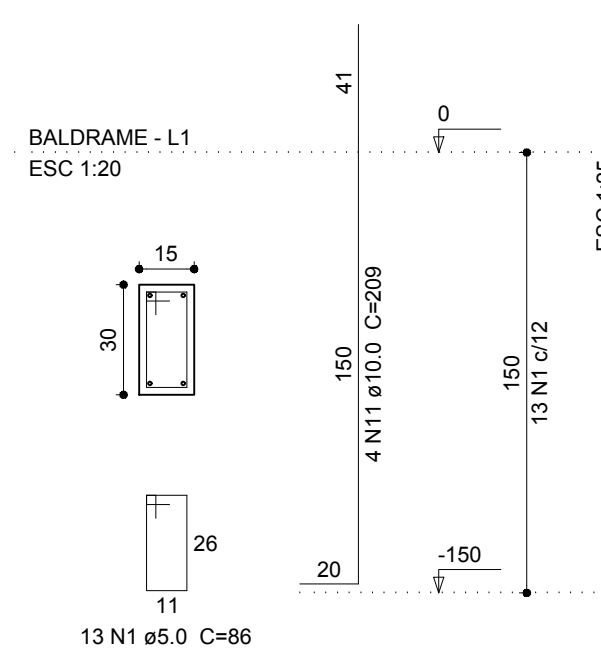


Solo compactado sobre a sapata
peso específico > 1600.00 kg/m³

CORTE
ESC 1:25

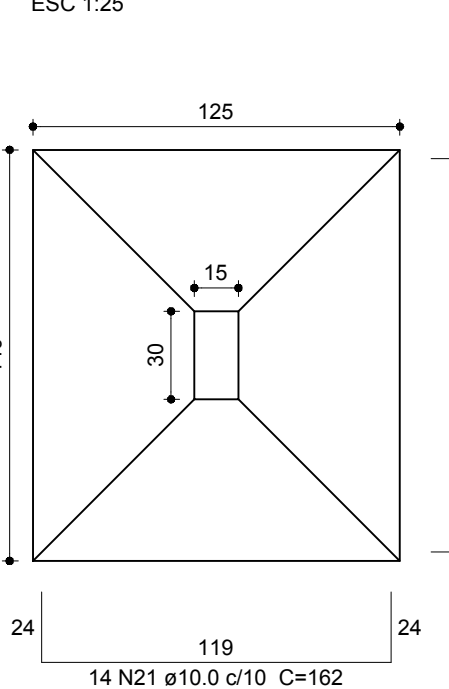


P19



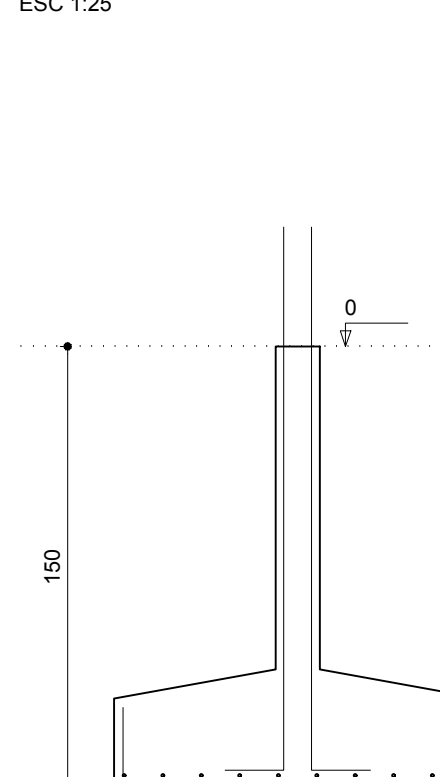
S19

PLANTA
ESC 1:25



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

CORTE
ESC 1:25



Governo do Estado do Tocantins
Secretaria de Estado da Saúde

Diretoria de Arquitetura e Engenharia
dos Estabelecimentos de Saúde

OBJETO	AMPLIAÇÃO DO REFETÓRIO DO HOSPITAL REGIONAL DE GURUPI
PROJETO	GURUPI / TO
PROJETO	ESTRUTURA EM CONCRETO ARMADO
CONTEÚDO	SAPATAS

AUTORIA DO PROJETO	DIRETORIA
MARCELO CAMPOS MONTEIRO Engenheiro Civil CREA 596132708/GO-SP	
SECRETARIA	

ÁREA EXISTENTE	ÁREA A ADICIONAR	ÁREA A REMOVER	ÁREA TOTAL
VER PROJETO ARQUITETÔNICO	VER PROJETO ARQUITETÔNICO	VER PROJETO ARQUITETÔNICO	VER PROJETO ARQUITETÔNICO
TERMINO	NOME DO PROJETO	DATA	
VER PROJETO ARQUITETÔNICO	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	25/05/2018	
		ASSINATURA	
		MARCELO CAMPOS MONTEIRO	

08/11

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