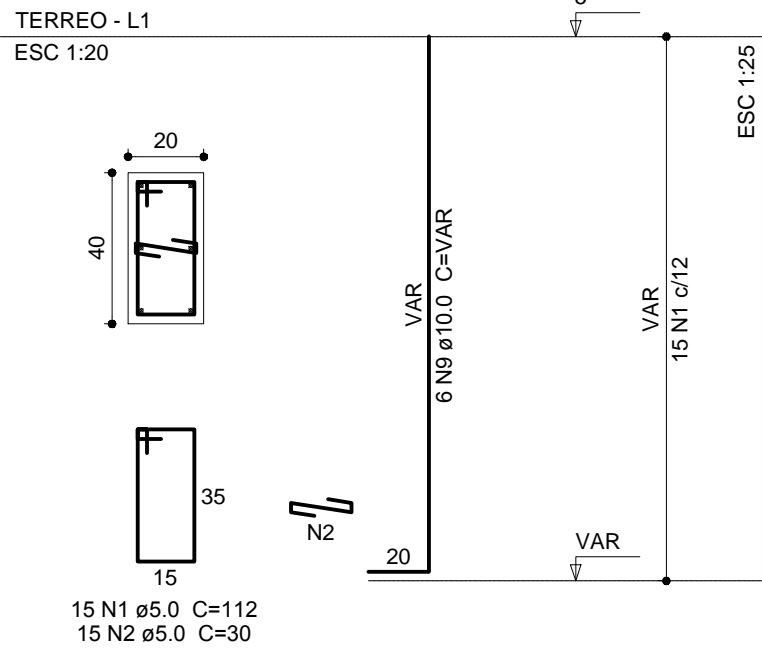
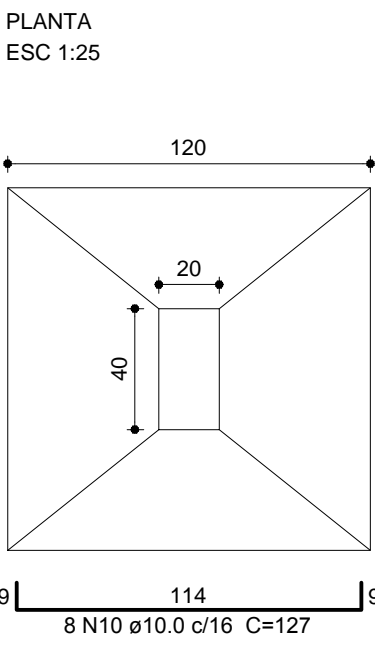


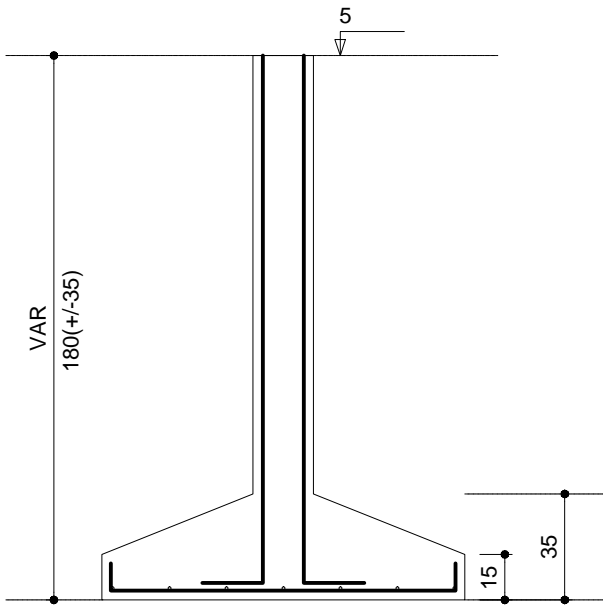
P7



S7

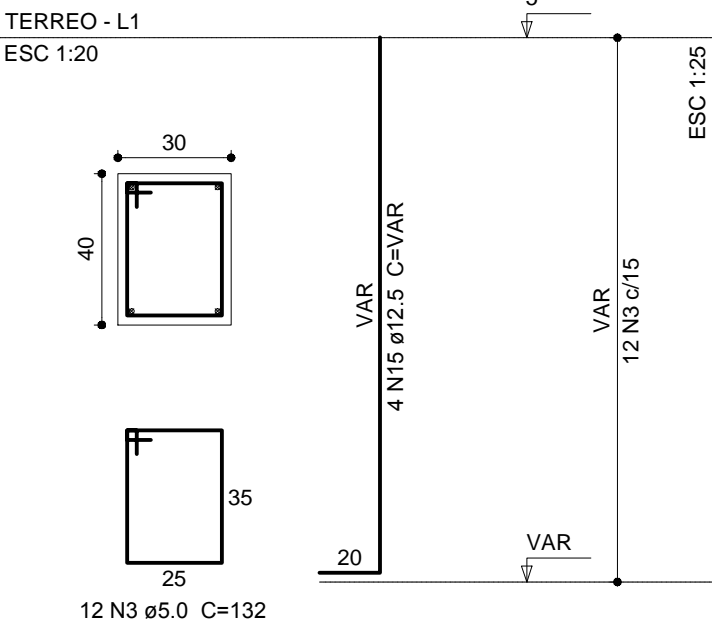


CORTE
ESC 1:25

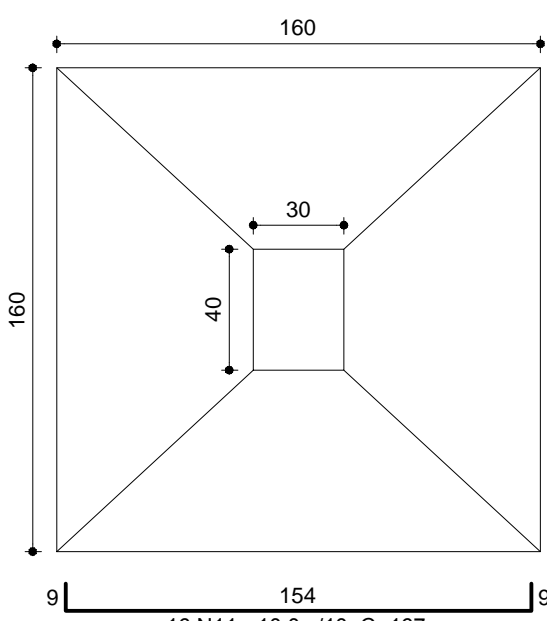


Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P4

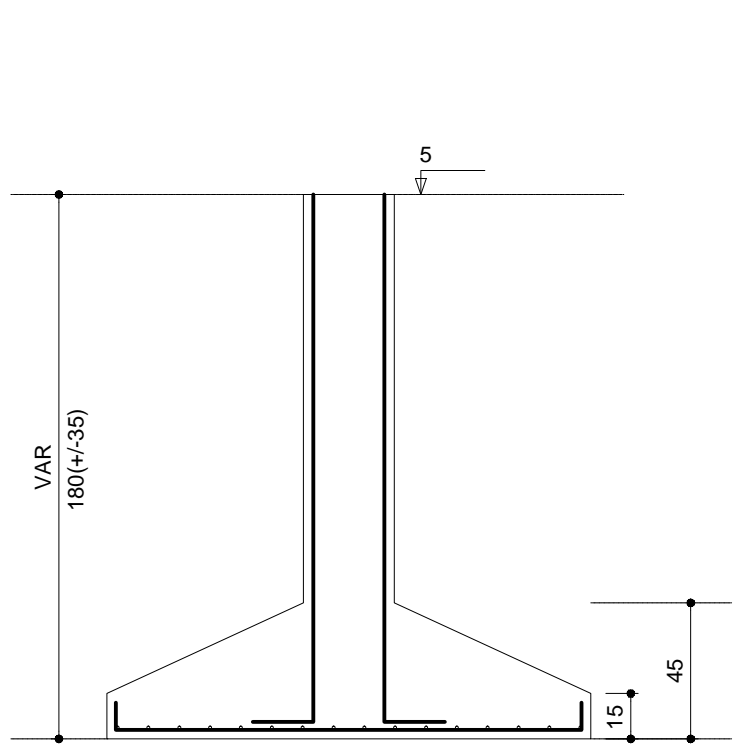


S4
PLANTA
ESC 1:25

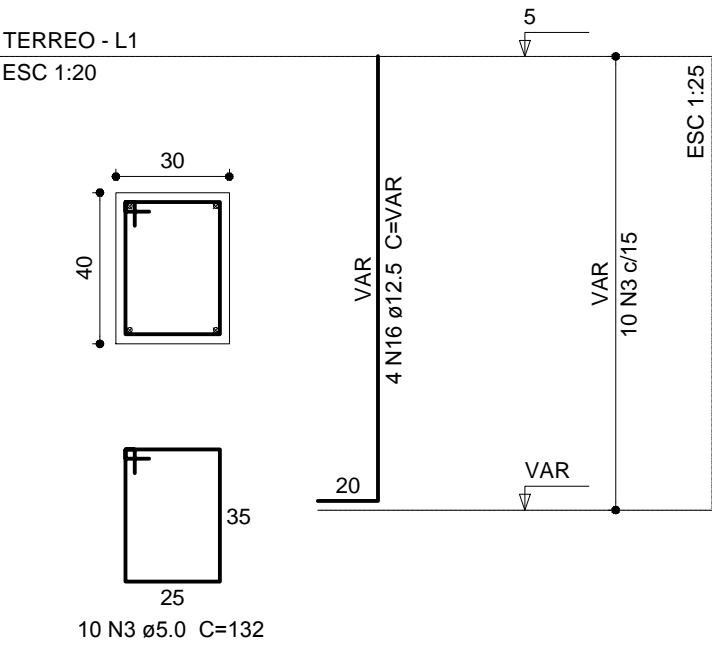


Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

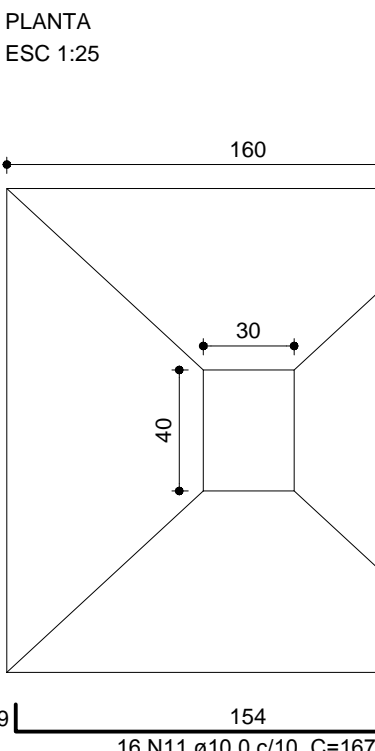
CORTE
ESC 1:25



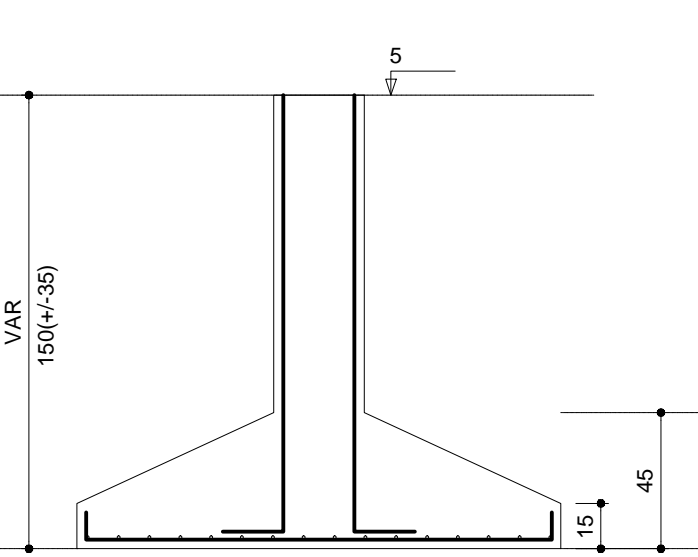
P3



S3

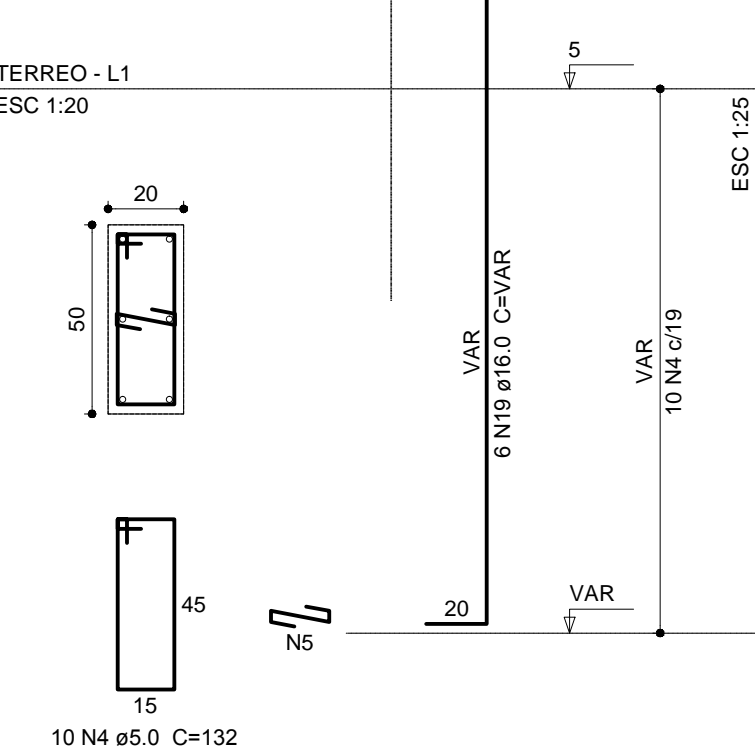


CORTE
ESC 1:25

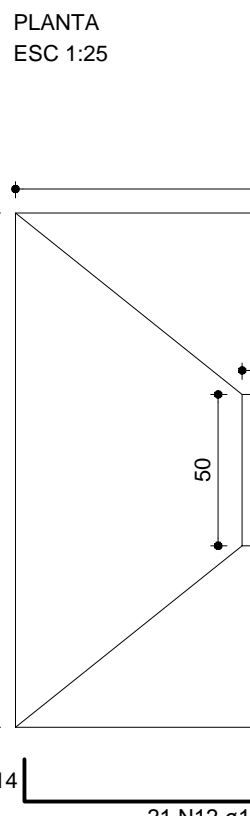


Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P8

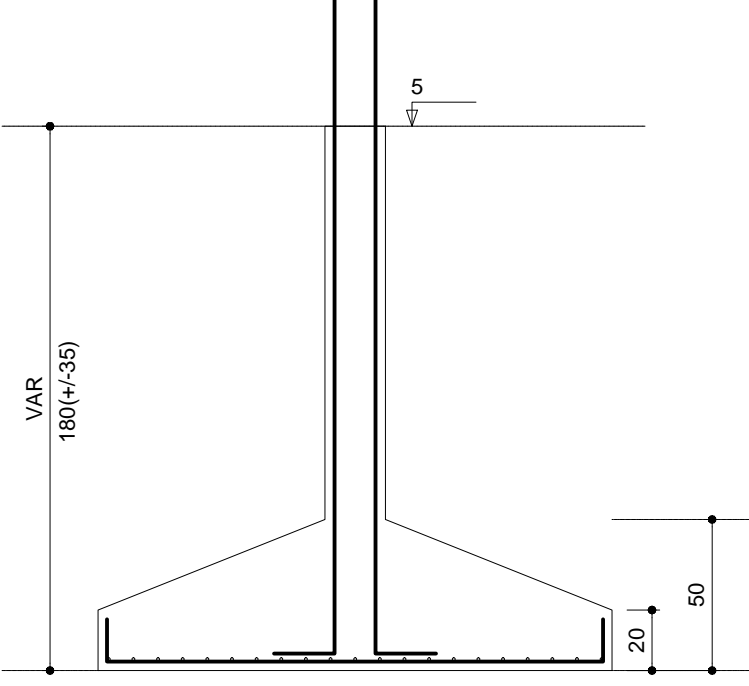


S8

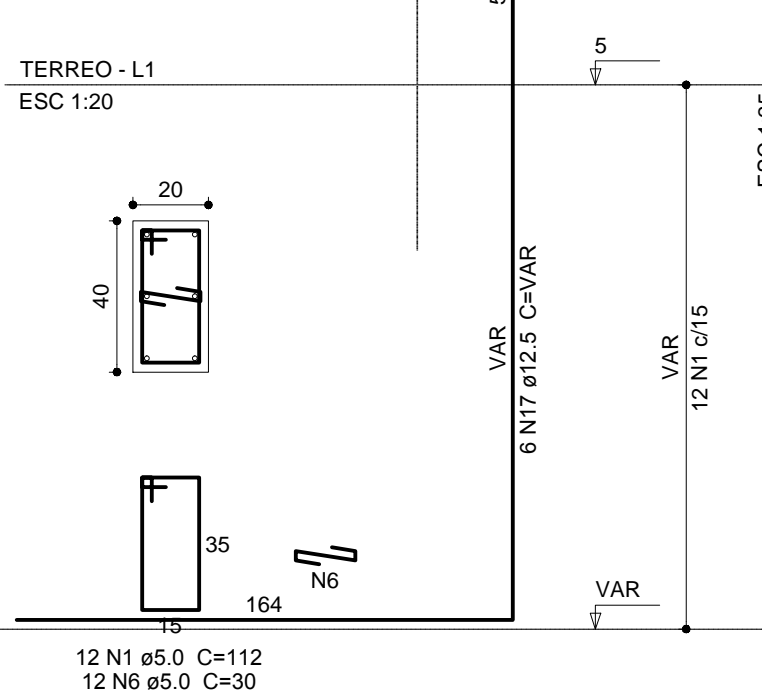


Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

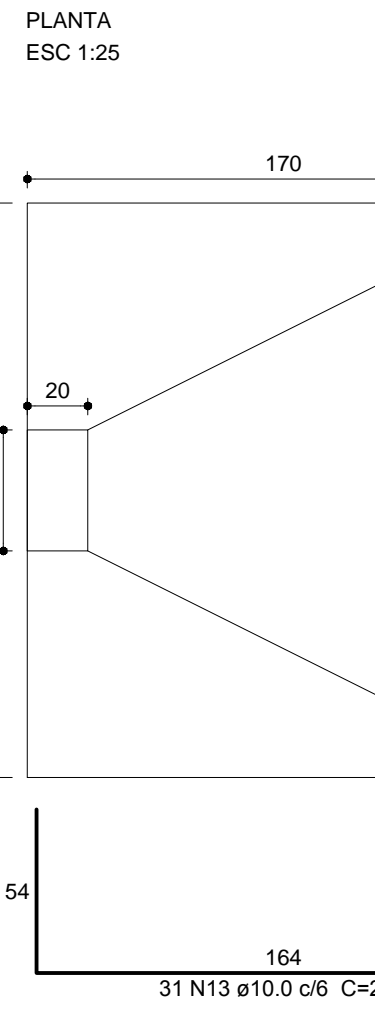
CORTE
ESC 1:25



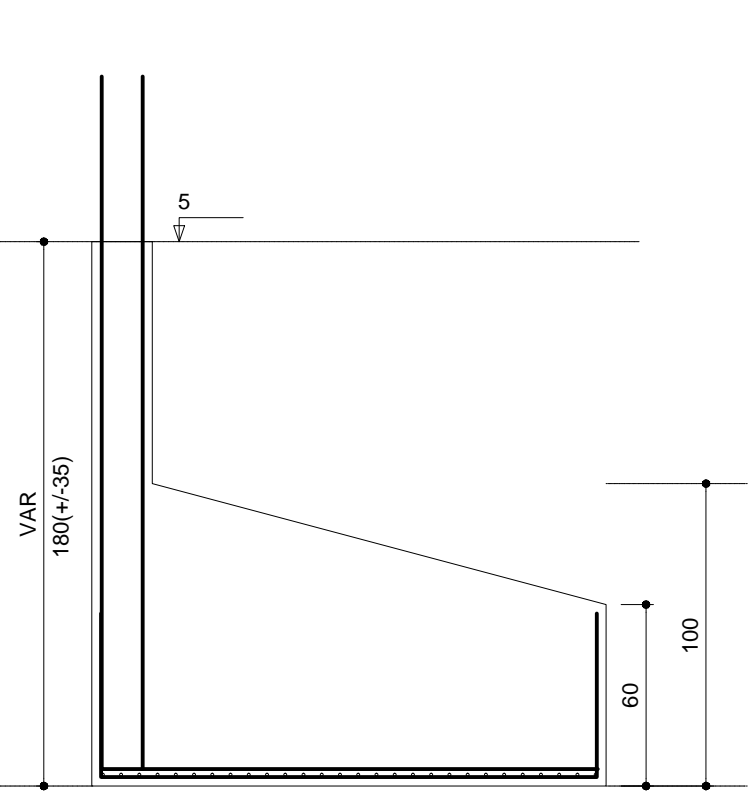
P5



S5

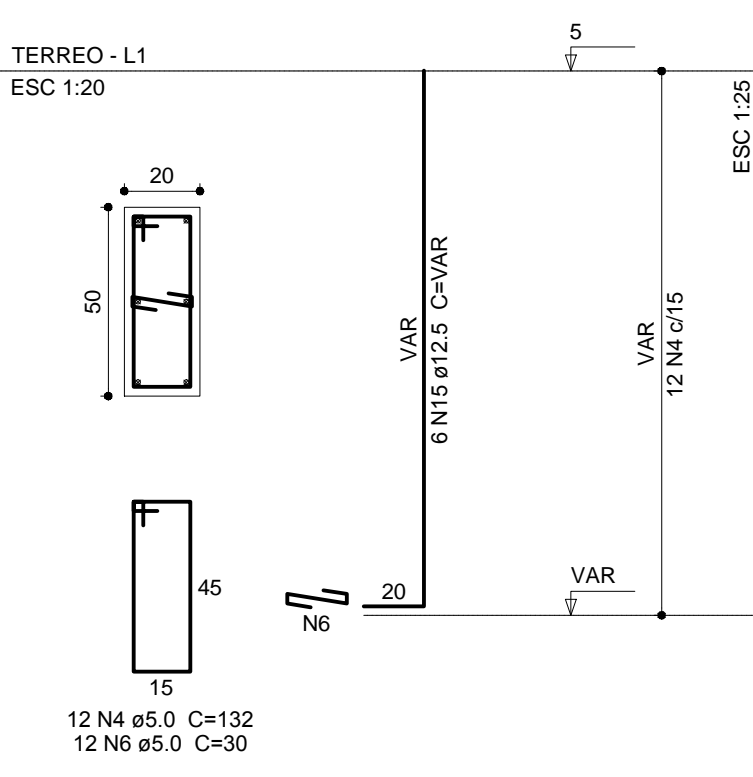


CORTE
ESC 1:25

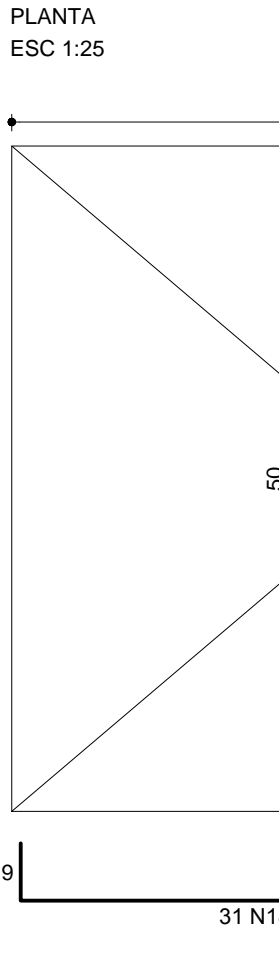


Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

P11

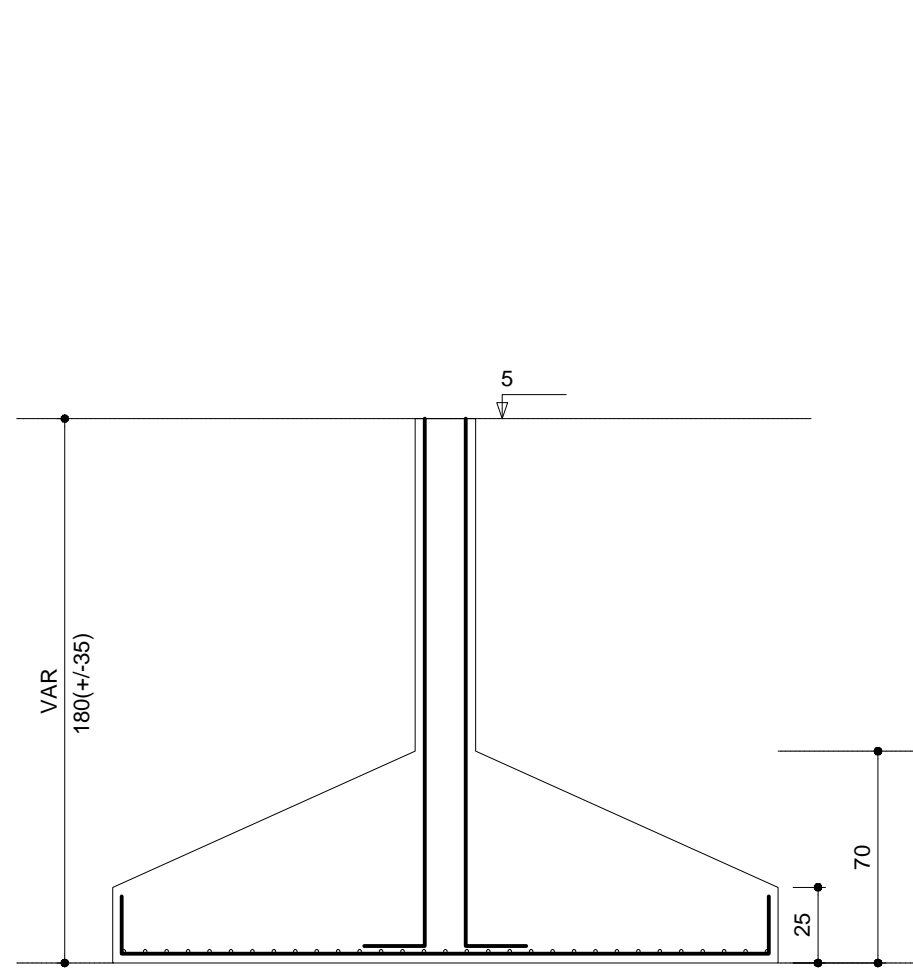


S11

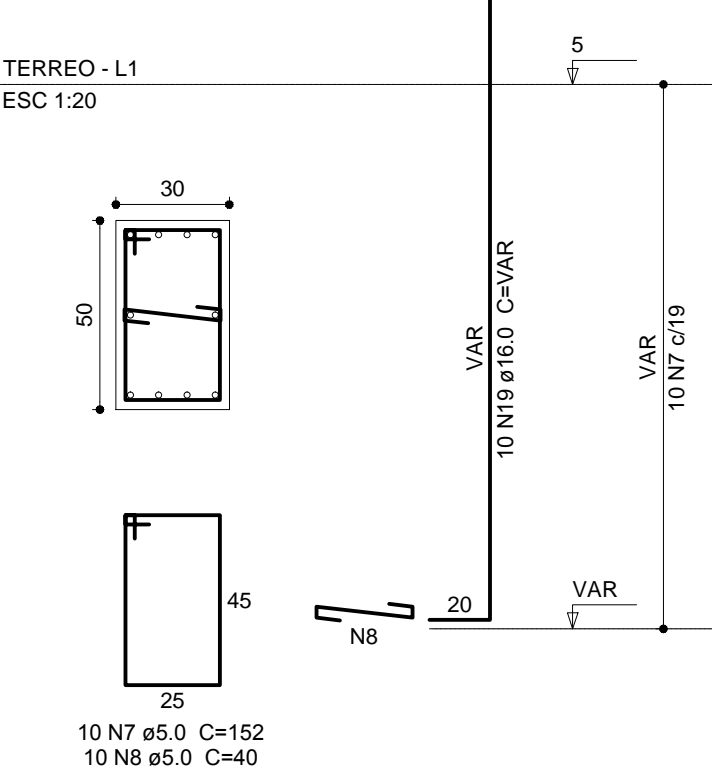


Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

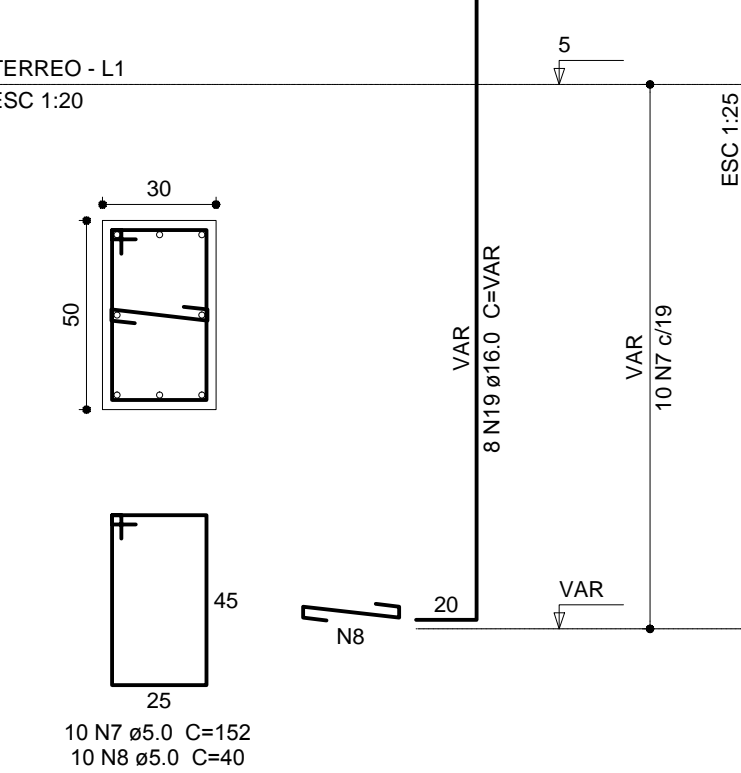
CORTE
ESC 1:25



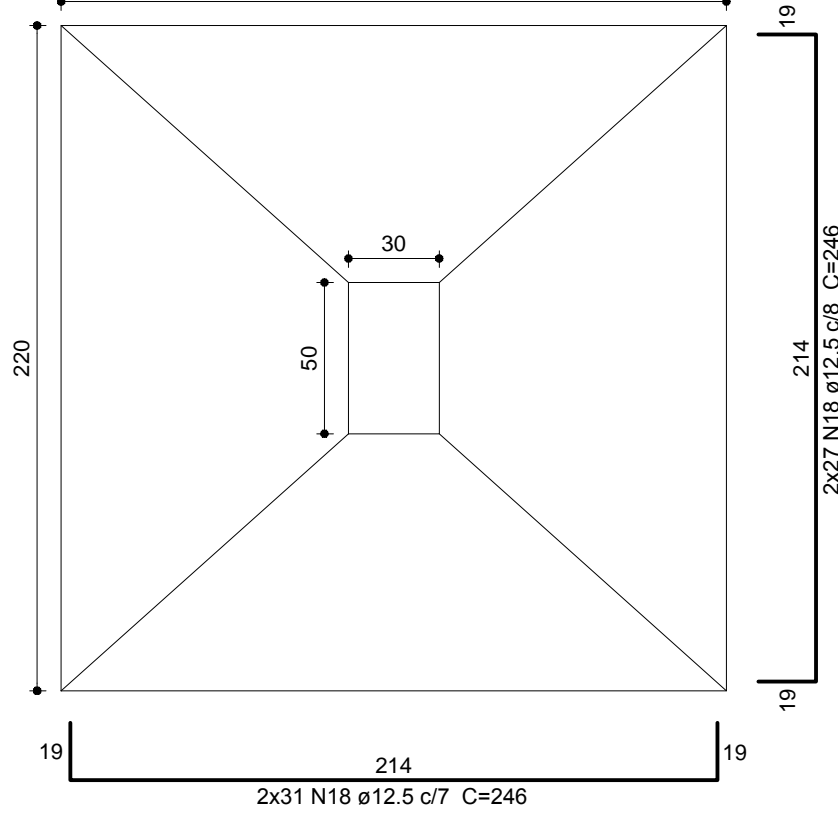
P10



P9

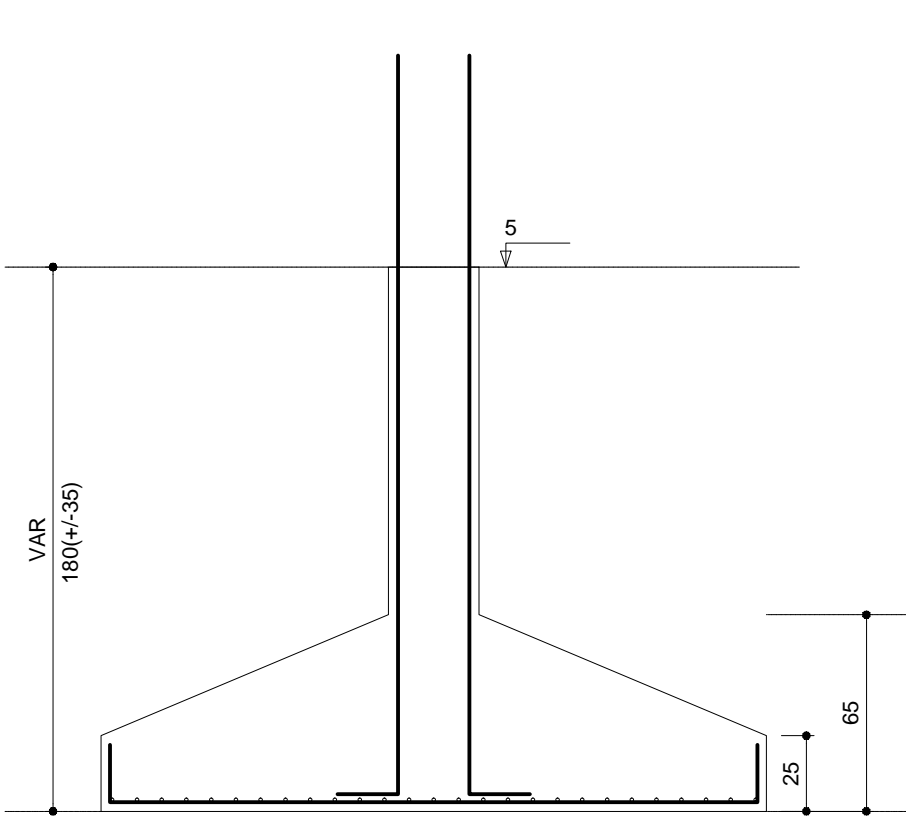


S9=S10
PLANTA
ESC 1:25



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

CORTE
ESC 1:25




Relação do aço

ACO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	27	112	3024
	2	5.0	15	30	450
	3	5.0	22	132	2904
	4	5.0	22	132	2904
	5	5.0	10	30	300
	6	5.0	24	30	720
	7	5.0	20	152	3040
	8	5.0	20	40	800
CA50	9	10.0	6	VAR	VAR
	10	10.0	15	127	1905
	11	10.0	64	167	10688
	12	10.0	42	187	7854
	13	10.0	31	267	8277
	14	10.0	28	287	8036
	15	12.5	10	VAR	VAR
	16	12.5	4	VAR	VAR
	17	12.5	6	VAR	VAR
	18	12.5	178	246	43798
	19	16.0	24	VAR	VAR

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	379.3	257.2
	12.5	487.6	516.7
	16.0	63.9	110.8
CA60	5.0	141.5	24
PESO TOTAL (kg)			
CA50	884.8		
CA60	24		

Volume de concreto (C-20) = 12.75 m³
Área de forma = 35.42 m²



ENGENHARIA E CONSTRUÇÕES

RUA BENJAMIM GRAZZIOTIN, 20, SALA 01, VIDEIRA, SC, CEP 89560-000, FONE/FAX 49 3566-2616

OBSERVAÇÕES / CAMBIOS DE APROVAÇÃO:

PROJETO / OBRA:
AMPLIAÇÃO DO BLOCO EXISTENTE - CANTINA E AUDITÓRIO
EDIFICAÇÃO EM ALVENARIA - 02 PAVIMENTOS
END: RUA SÃO ROQUE, 41, CENTRO, LUZERNA, SC.

DESENHO:
MAYARA GONZATTO

AUTOR DO PROJETO:
RODRIGO MENDES
ENGENHEIRO CIVIL - CREA/SC: 059.823-6

CONTÉUDO DA PRANCHA:
FUNDAÇÕES

CLIENTE / PROPRIETÁRIO:
INSTITUTO FEDERAL CATARINENSE
CNPJ: 10.635.424/0008-52

ESCALA:
INDICADA

UNIDADE:
CENTÍMETROS

ARQUIVO:
IFC_ES

DATA:
MAIO/2014

PRANCHA:
ESTRUTURAL

02/07