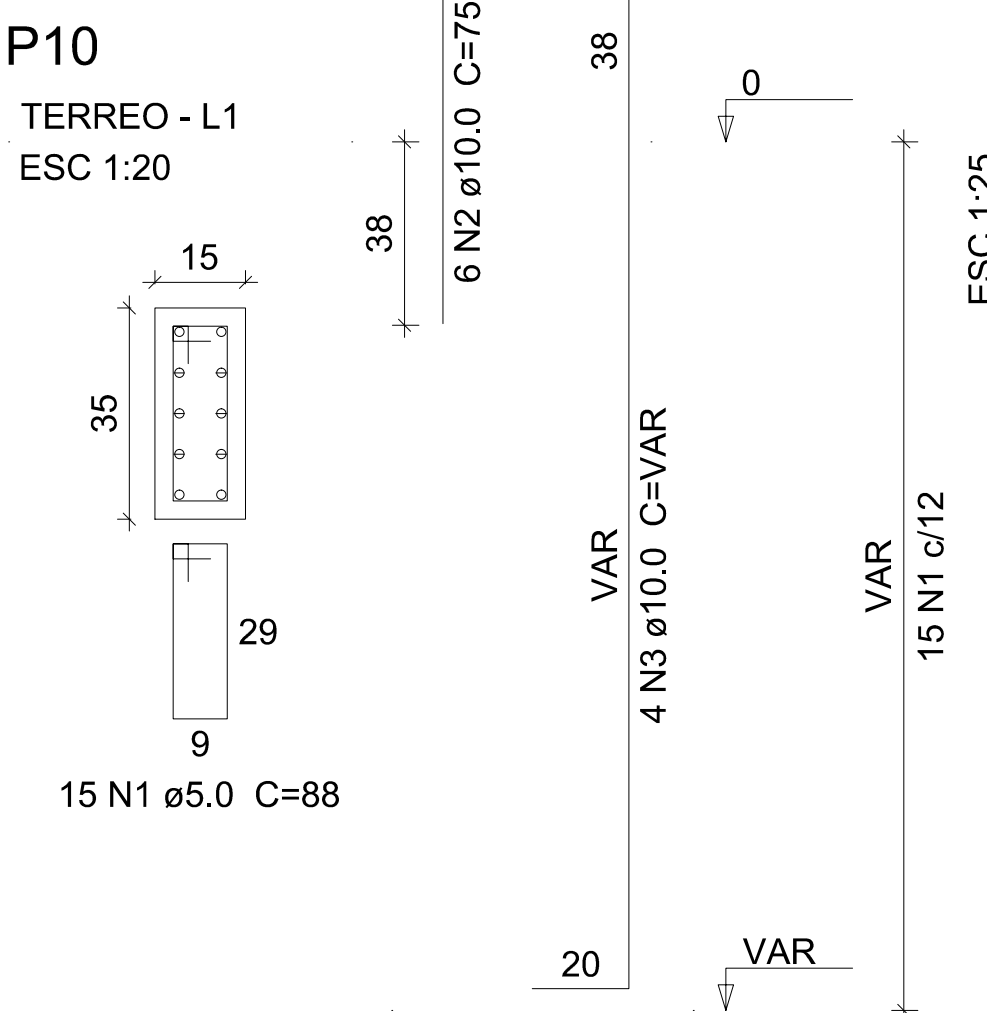
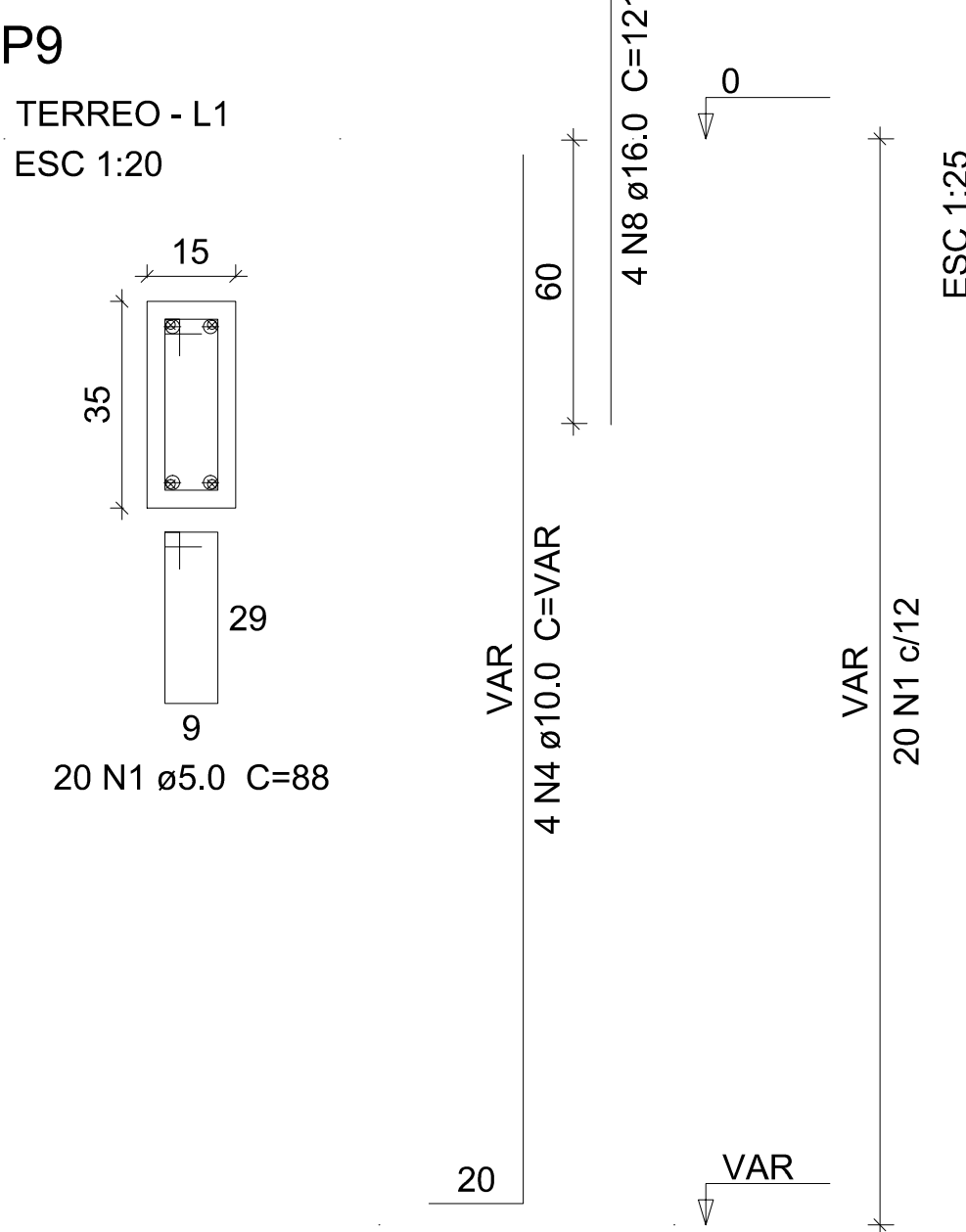
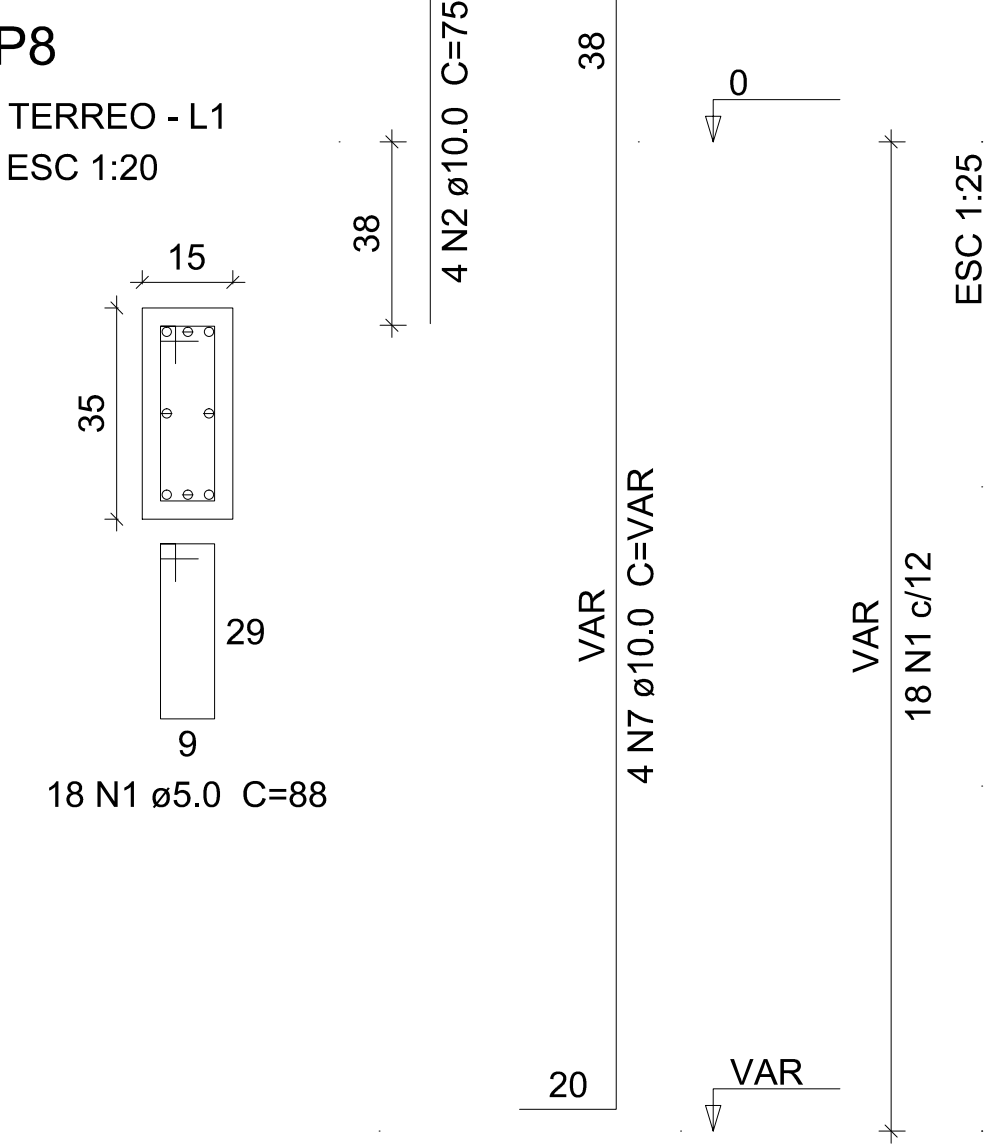
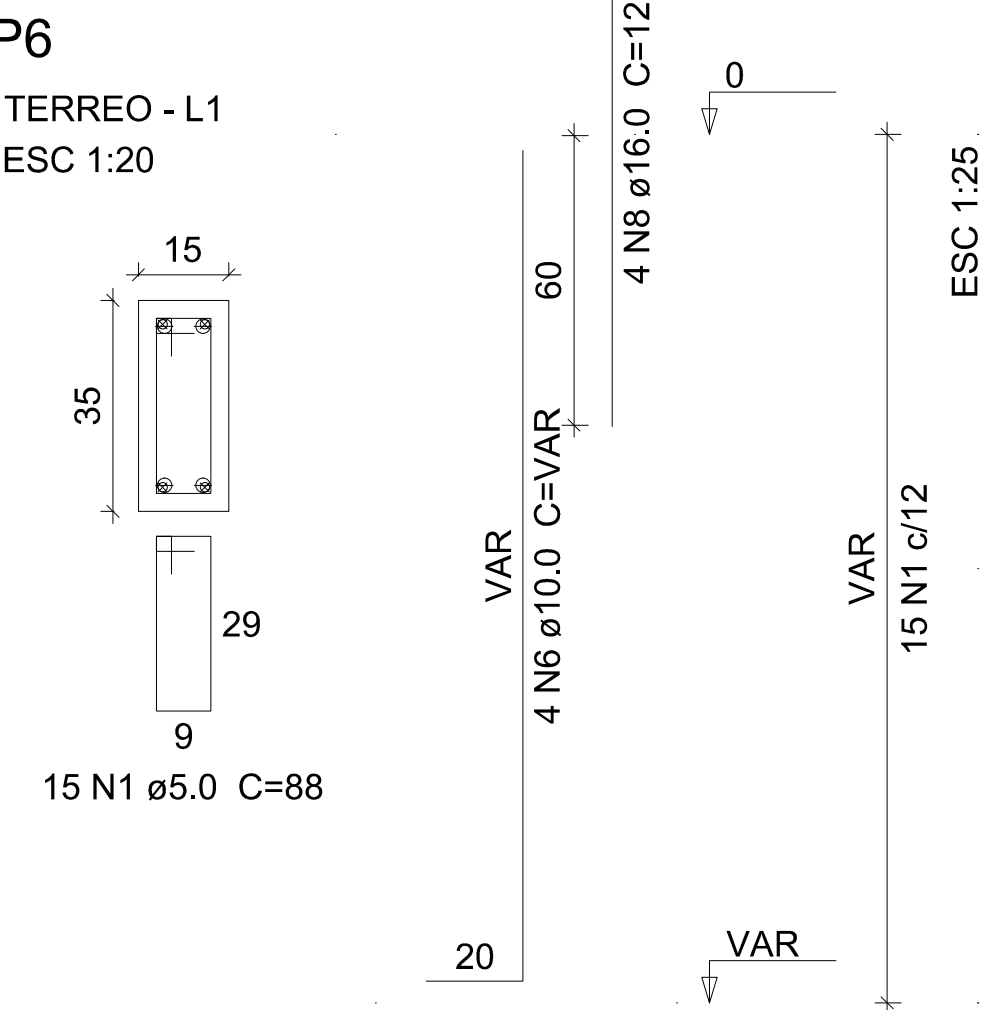
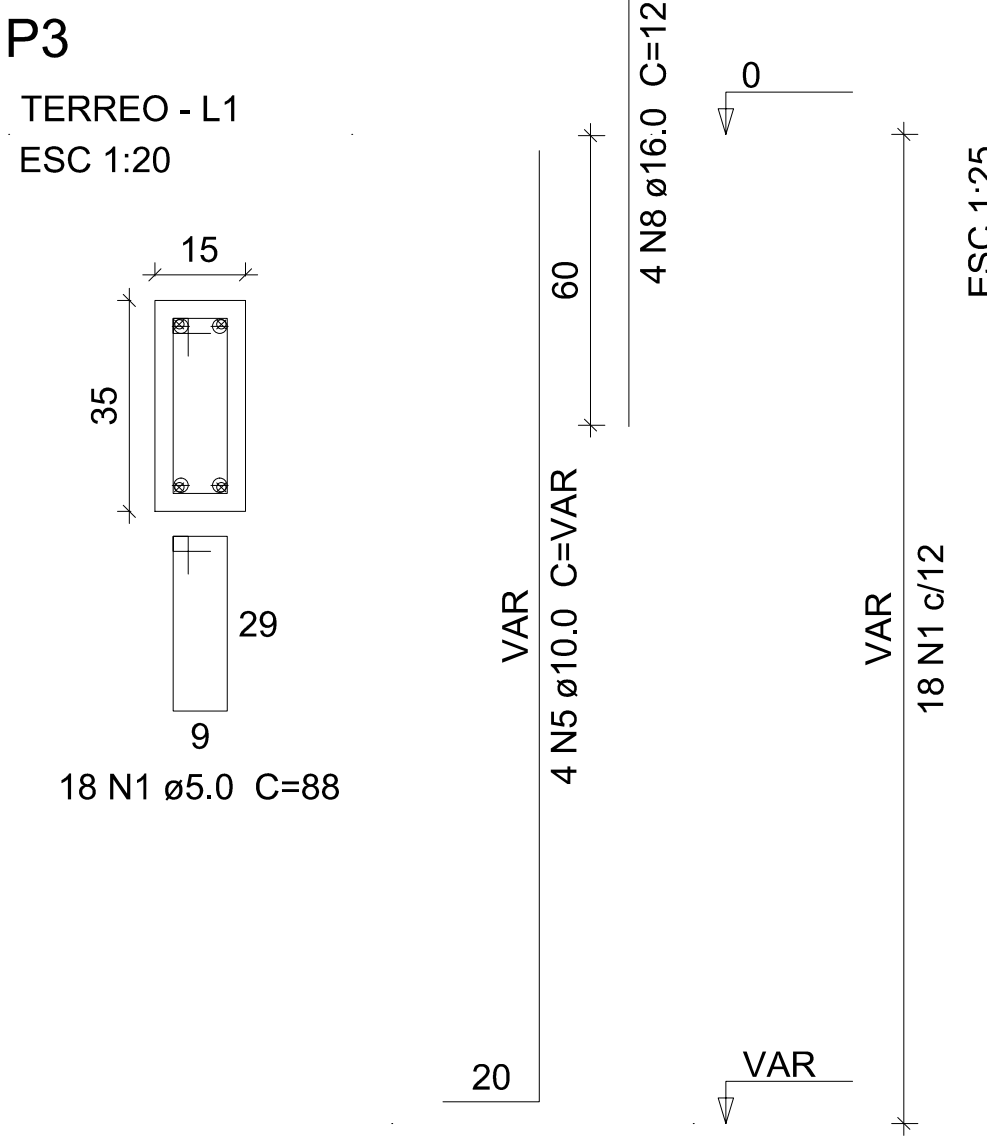
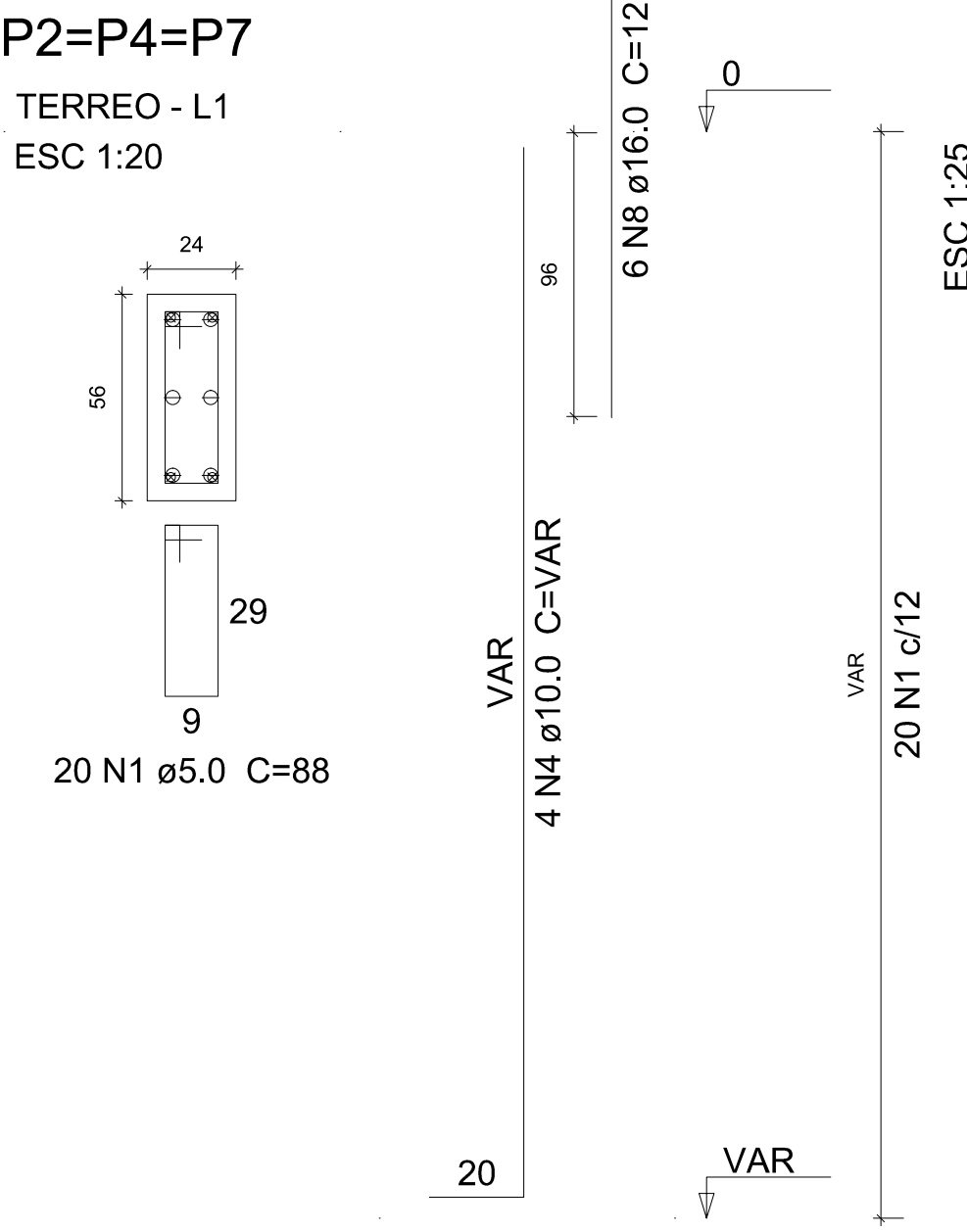
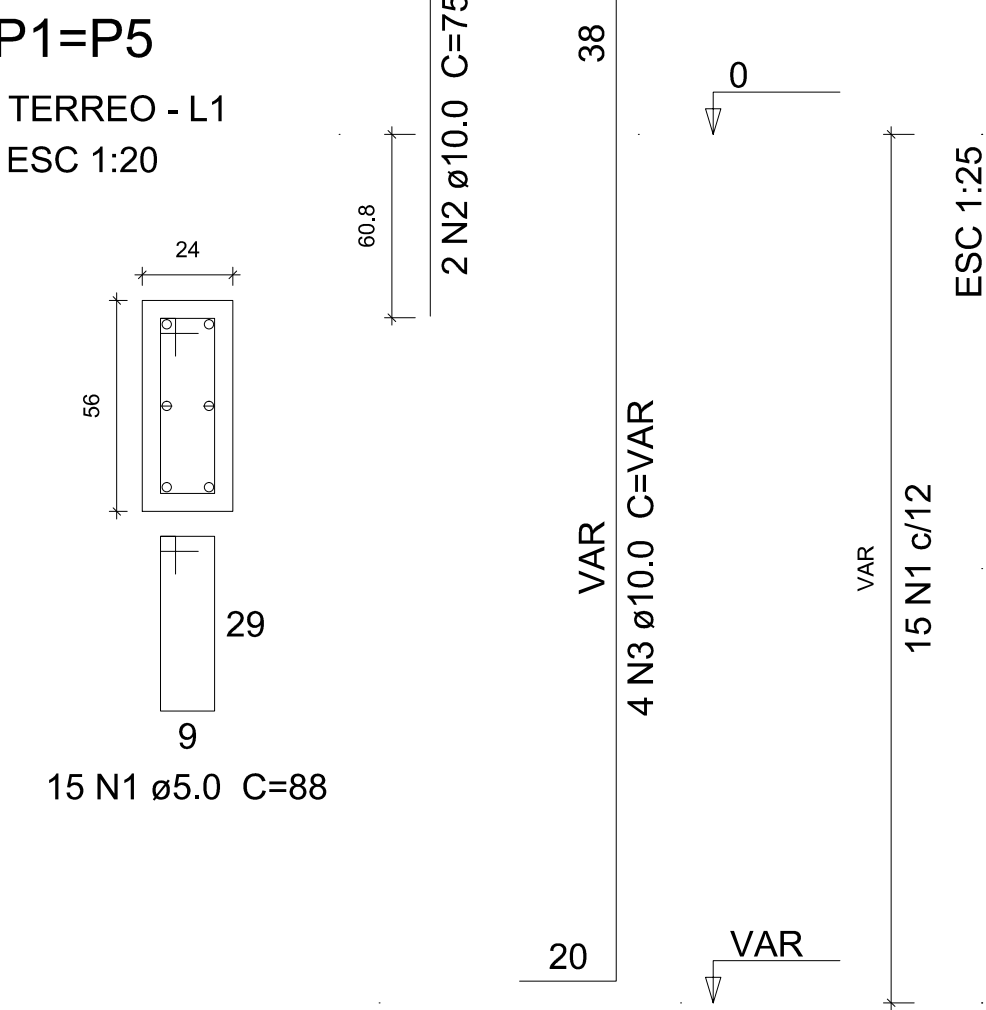


PILARES



RELAÇÃO DO AÇO					
2xP1	3xP2	P3	P6	P8	P9
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	176	88	15488
CA50	2	10.0	14	75	1050
	3	10.0	12	VAR	VAR
	4	10.0	16	VAR	VAR
	5	10.0	4	VAR	VAR
	6	10.0	4	VAR	VAR
	7	10.0	4	VAR	VAR
	8	16.0	30	121	3630

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (+10 % (kg)
CA50	10.0	103.3	70
CA60	16.0	36.3	63
	5.0	154.9	26.3
PESO TOTAL (kg)		Volume de concreto (C-25) = 1.08 m³	
CA50	133	Área de forma = 20.5 m²	
CA60	26.3		

RESUMO DO AÇO			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	237	103
CA60	10.0	190	129
CA60	5.0	1.269	215
PESO TOTAL (kg)		Volume de concreto (C-25) = 14.4 m	
CA50	232	Área de forma = 86.9 m²	
CA60	215		



PREFEITURA MUNICIPAL DE VARGEM ALTA
ESTADO DO ESPÍRITO SANTO

PROJETO DE DETALHAMENTO DOS VESTIÁRIOS
NO CAMPO DE FUTEBOL DE PARAÍSO

PROJETO DE FUNDAÇÃO

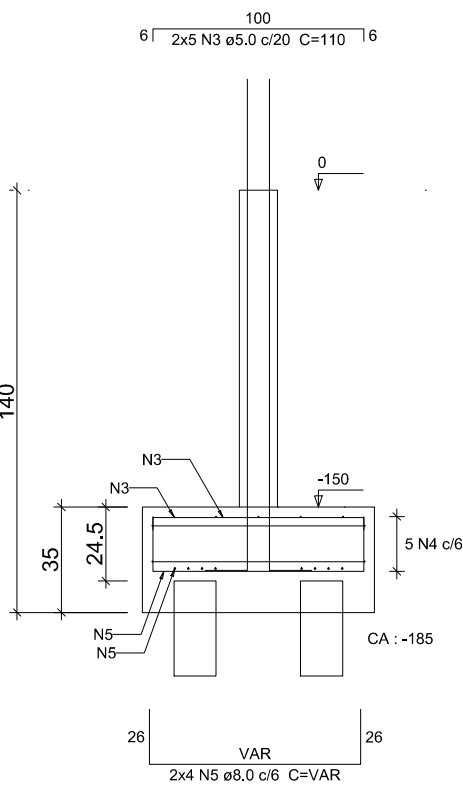
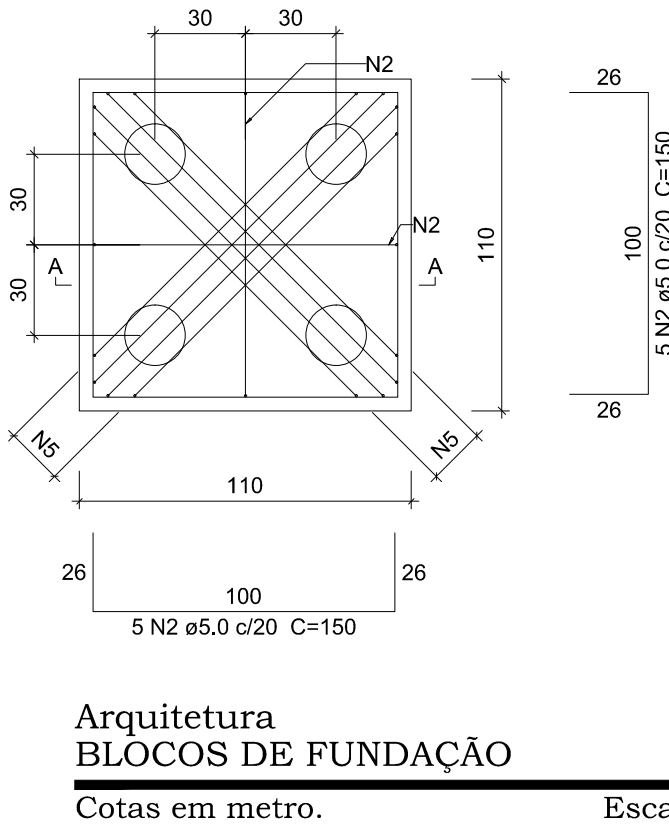
ESCALA	INDICADA	DATA	SETEMBRO/2017	DESENHO	SARAH	PRIMEIRA	09/09
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PREFEITO MUNICIPAL

JOÃO CHRISÓSTOMO ALTOÉ

RESP. TÉCNICO

GERALDO BRUNORO ESTEVES
CREA-ES 033738/D



4xC20