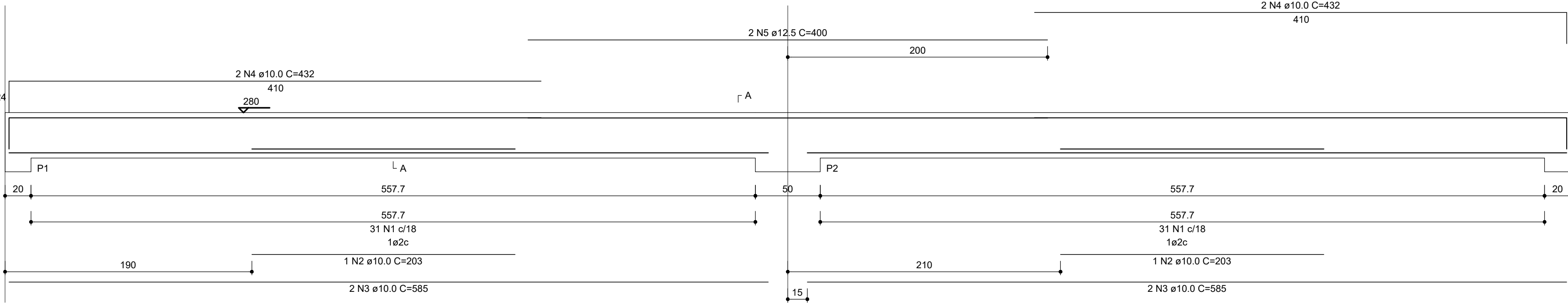
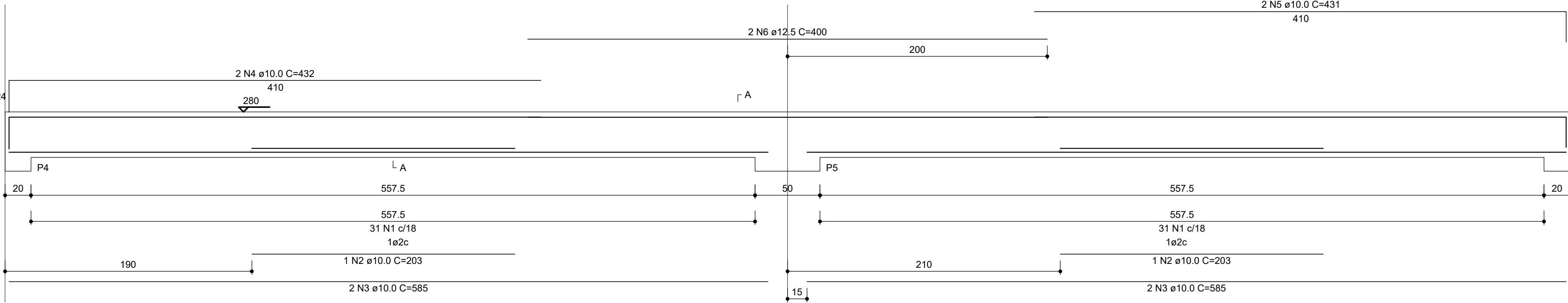


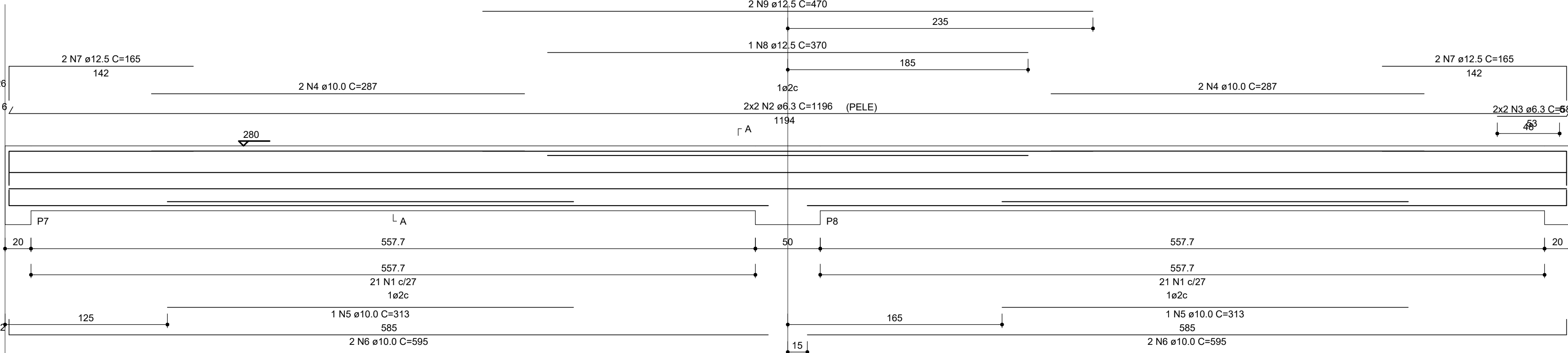
V1
ESC 1:25



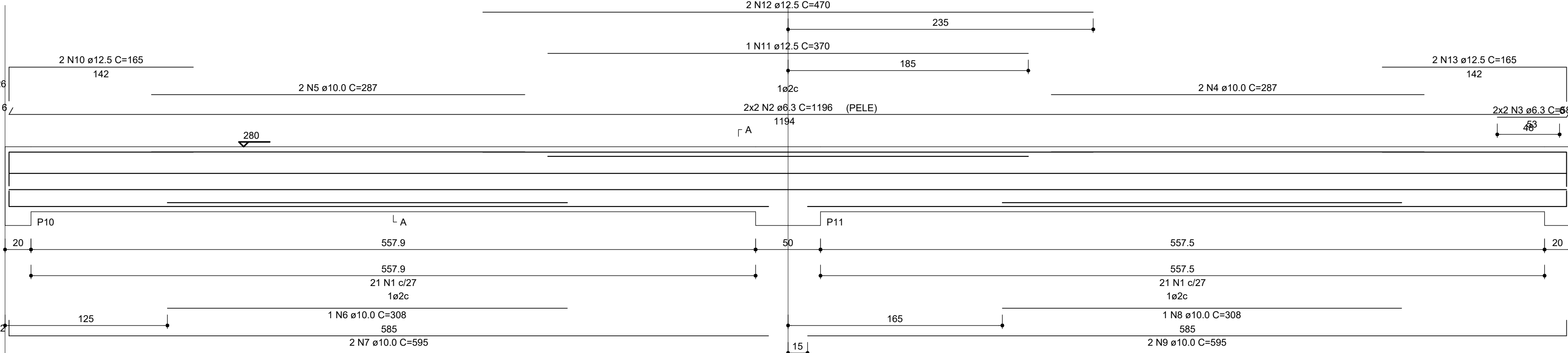
V2
ESC 1:25



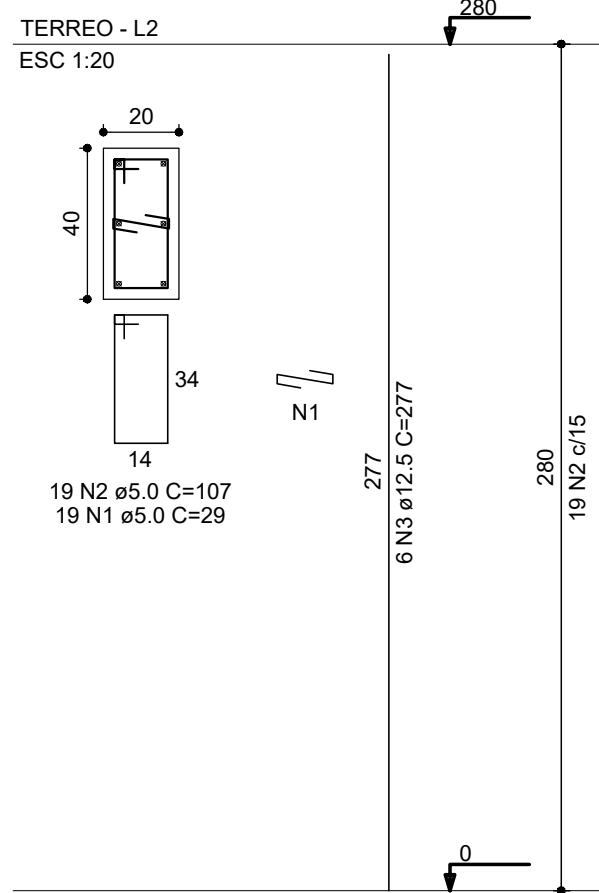
V3
ESC 1:25



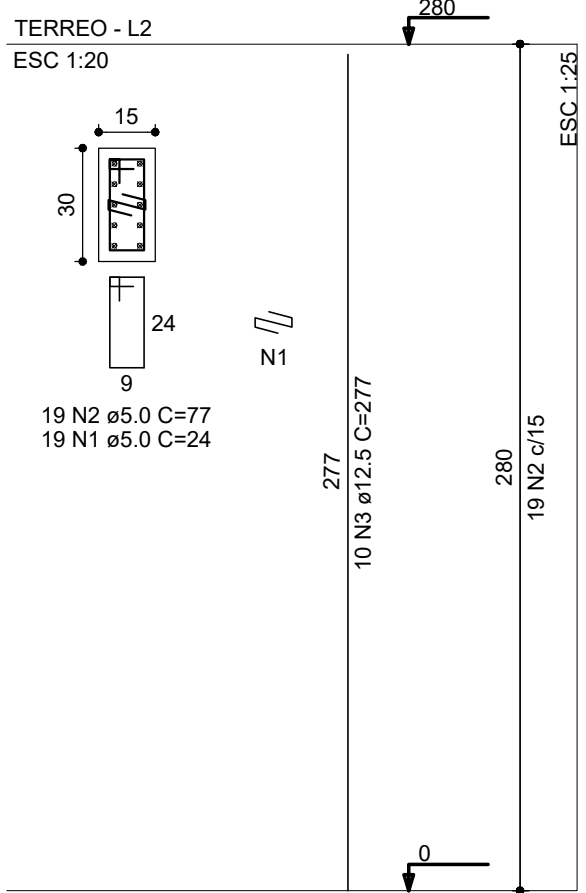
V4
ESC 1:25



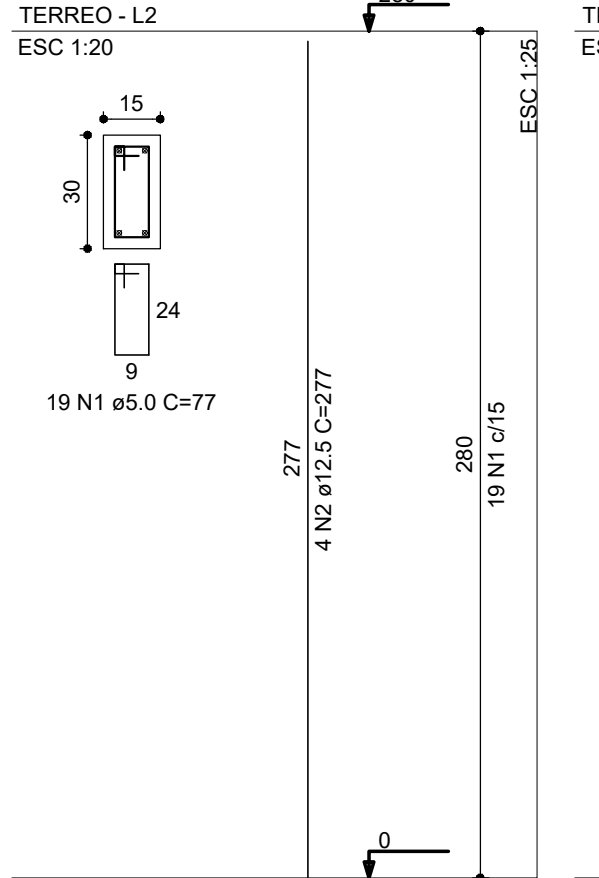
P1=P3=P4=P6=P16



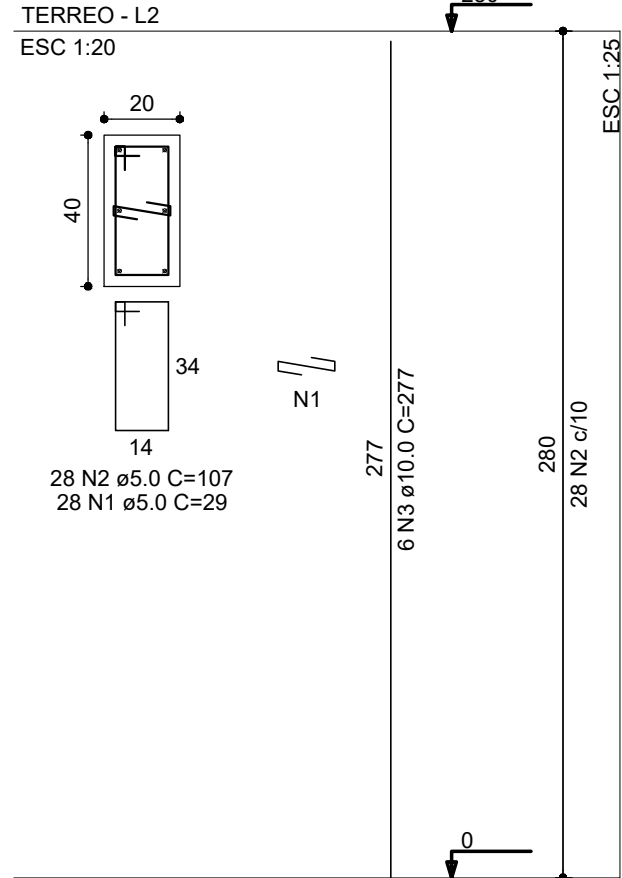
P13=P15=P25



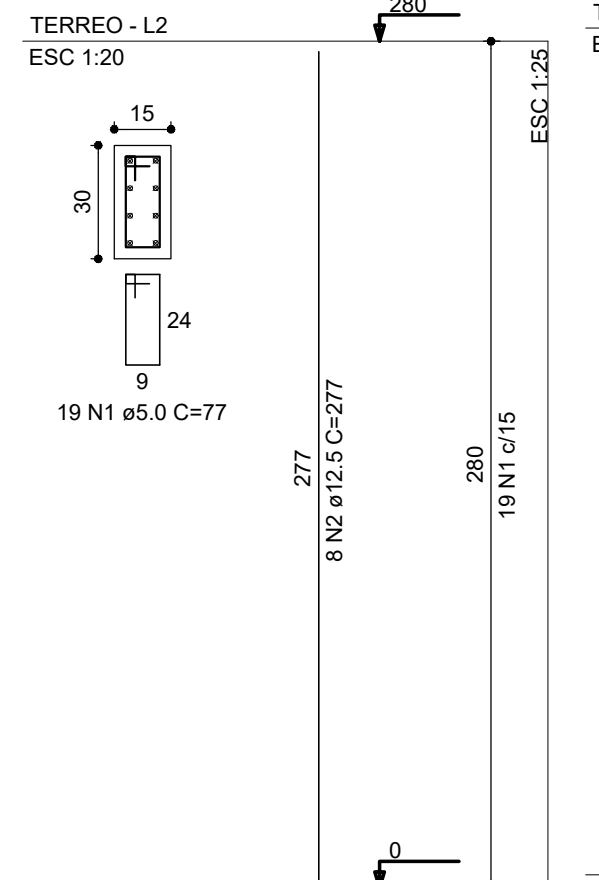
P14=P18



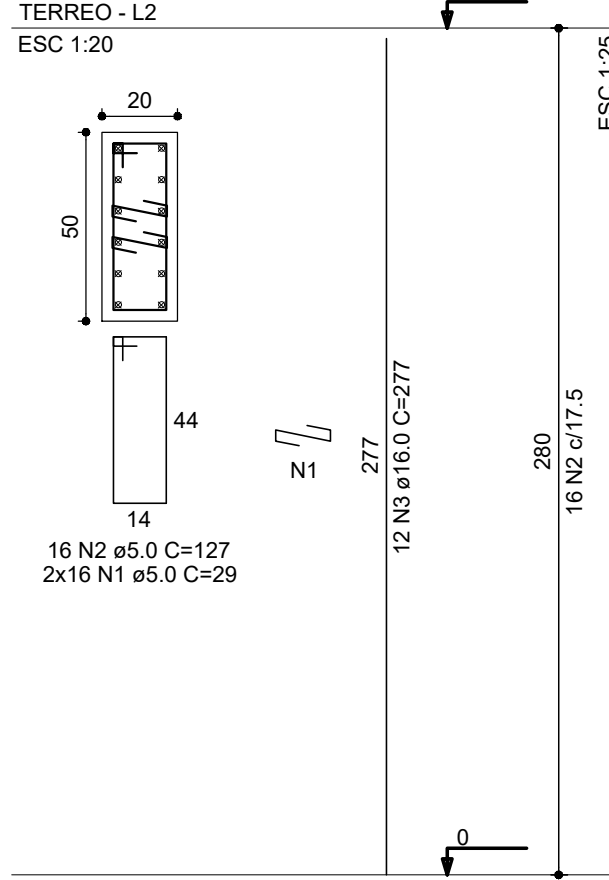
P17



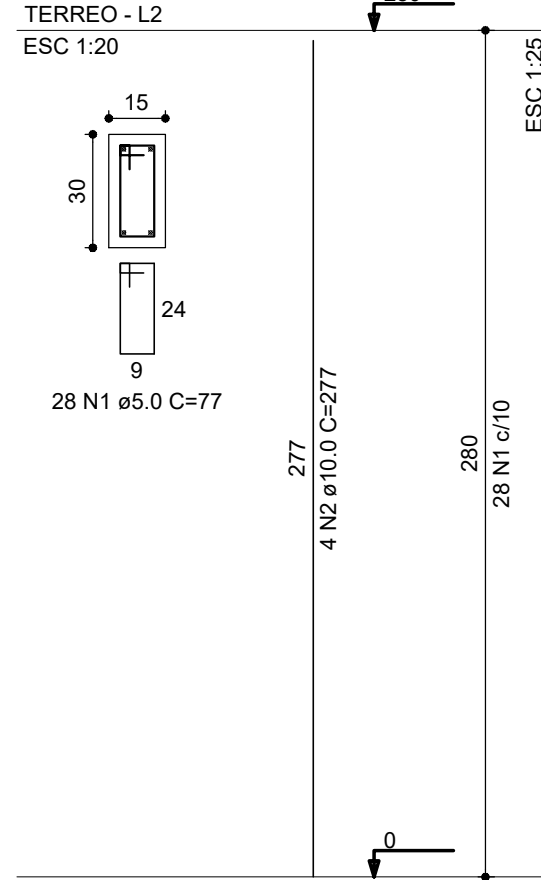
P19=P20=P21=P22=P23=P24



P2=P5



P26



RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
5xP1	CA60	1	5.0	95	29	2755
	CA60	2	5.0	95	107	10165
	CA50	3	12.5	30	277	8310
2xP2	CA60	1	5.0	64	29	1856
	CA60	2	5.0	32	127	4064
	CA50	4	16.0	24	277	6648
3xP13	CA60	1	5.0	24	29	1368
	CA60	2	5.0	57	77	4389
	CA50	3	12.5	30	277	8310
2xP14	CA60	1	5.0	38	77	2926
	CA50	2	12.5	8	277	2216
	CA60	1	5.0	28	29	812
P17	CA60	2	5.0	28	107	2996
	CA50	3	10.0	6	277	1662
	CA60	1	5.0	114	77	8778
P26	CA50	2	12.5	48	277	13296
	CA60	1	5.0	28	77	2156
	CA50	2	10.0	4	277	1108
V1	CA60	1	5.0	62	81	5022
	CA50	2	10.0	2	203	406
	CA50	3	10.0	4	585	2340
V2	CA50	4	10.0	4	432	1728
	CA50	5	12.5	2	400	800
	CA60	1	5.0	62	81	5022
V3	CA50	2	10.0	2	203	406
	CA50	3	10.0	4	585	2340
	CA50	4	10.0	4	432	1728
V4	CA50	5	10.0	2	431	862
	CA50	6	12.5	2	400	800
	CA60	1	5.0	42	111	4662
	CA50	2	6.3	4	1196	4784
	CA50	3	6.3	4	58	232
	CA50	4	10.0	2	287	574
	CA50	5	10.0	2	287	574
	CA50	6	10.0	1	308	308
	CA50	7	10.0	2	595	1190
	CA50	8	10.0	1	308	308
	CA50	9	10.0	1	595	1190
	CA50	10	12.5	2	165	330
	CA50	11	12.5	1	370	370
	CA50	12	12.5	2	470	940
	CA50	13	12.5	2	165	330

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	100.3	27
CA50	10.0	200.1	135.7
CA50	12.5	378.7	399.2
CA50	16.0	86.5	115.4
CA60	5.0	616.3	104.5
PESO TOTAL (kg)			
CA50	677.4		
CA60	104.5		

Volume de concreto (C-25) = 5.87 m³
Área de forma = 105.01 m²

PREFEITURA MUNICIPAL DE BRAUNAS

GALPAO AGRICULTURA FAMILIAR

EMPENDIMENTO	ART Nº:	LOGRADOURO:	QUADRA:
	APROVAÇÃO:	BAIRRO:	CIDADE:
PROJETO	SECRETARIA MUNICIPAL DE OBRAS		BRAUNAS/MG
	PREFEITURA MUNICIPAL DE BRAUNAS		
DETALHE:	VIGAS DO PAVIMENTO TERREO		ÁREAS:
	PILARES DO TERREO		ÁREA CONSTRUIDA = 621,00 m²
USO:	RESIDENCIAL		ÁREA DO TERRENO = 1.500,00 m²
	TÍTULO:		FOLHA:
PROJETO ESTRUTURAL		10/12	
GALPAO AGRICULTURA FAMILIAR - BRAUNAS / MG			