

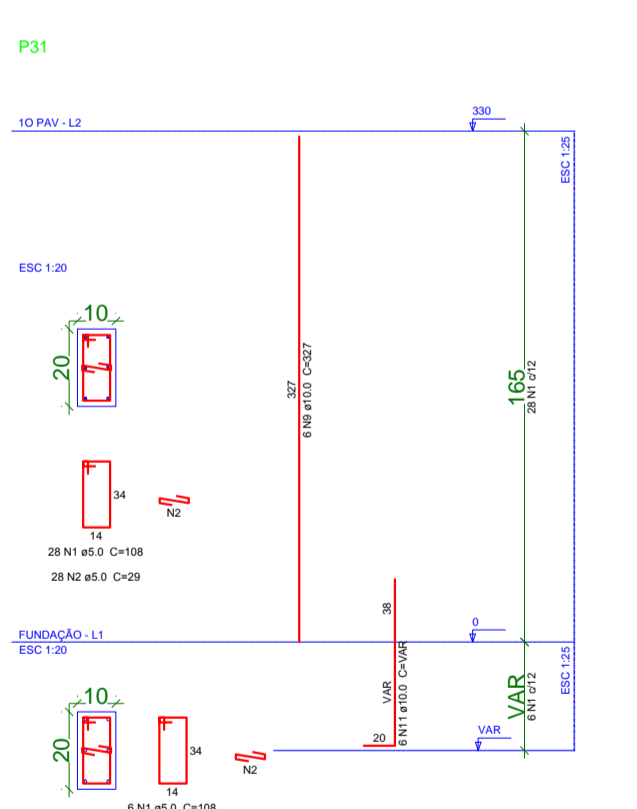
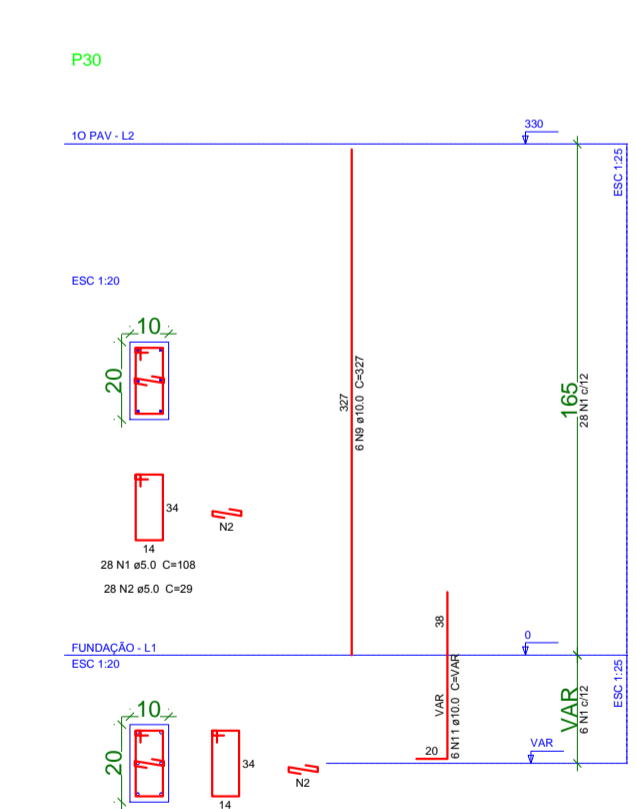
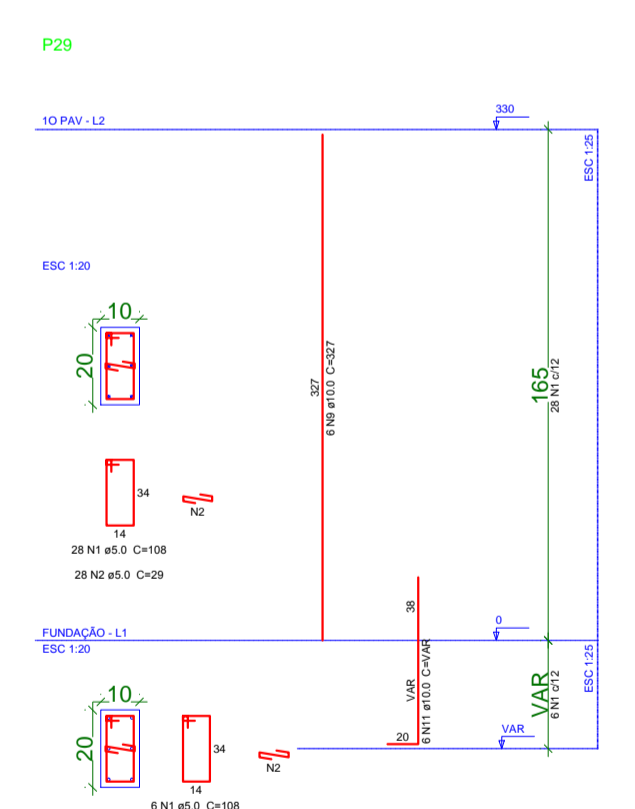
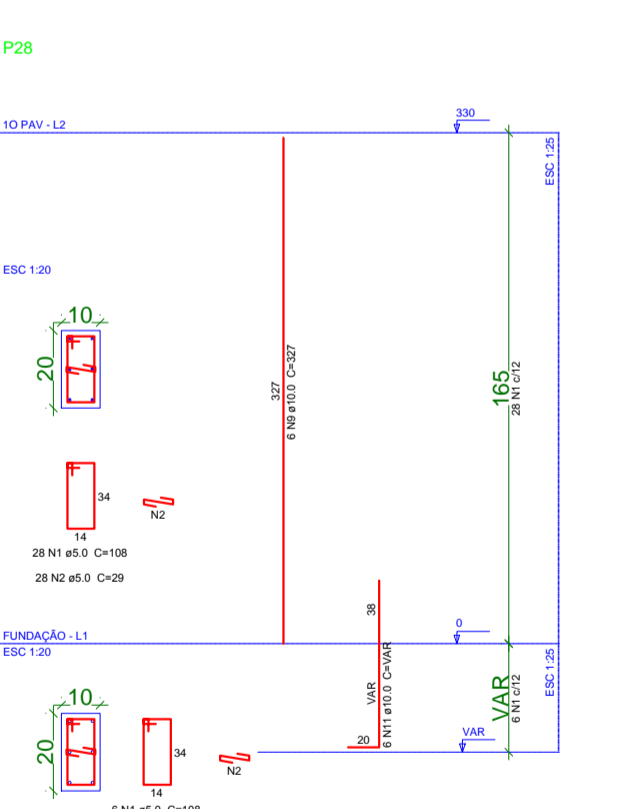
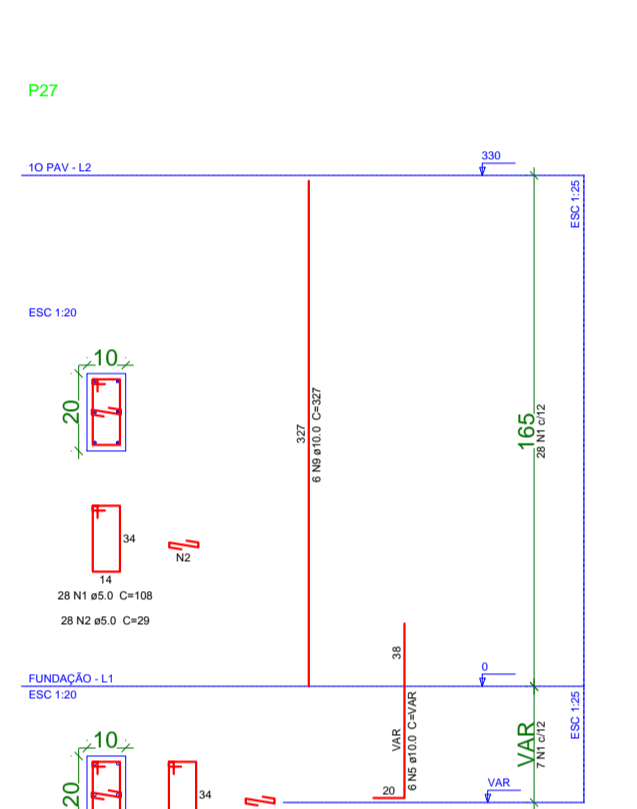
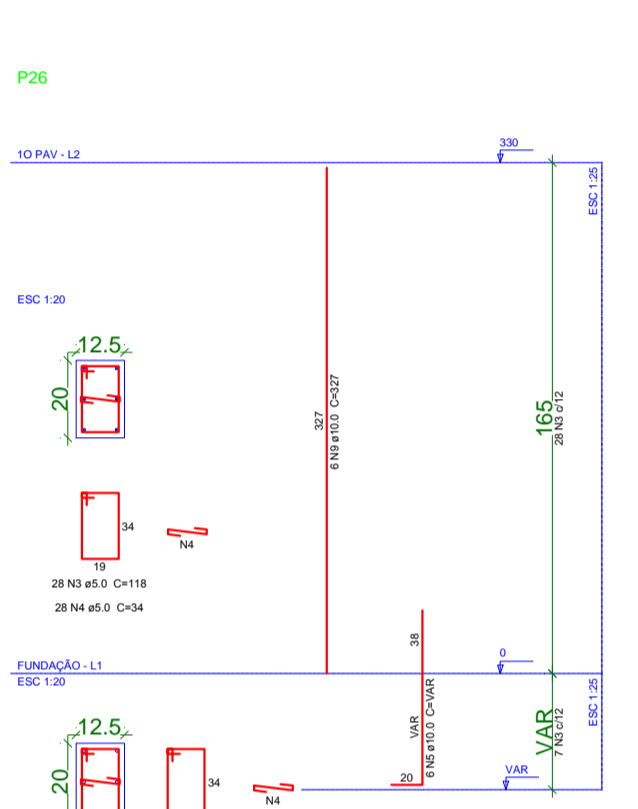
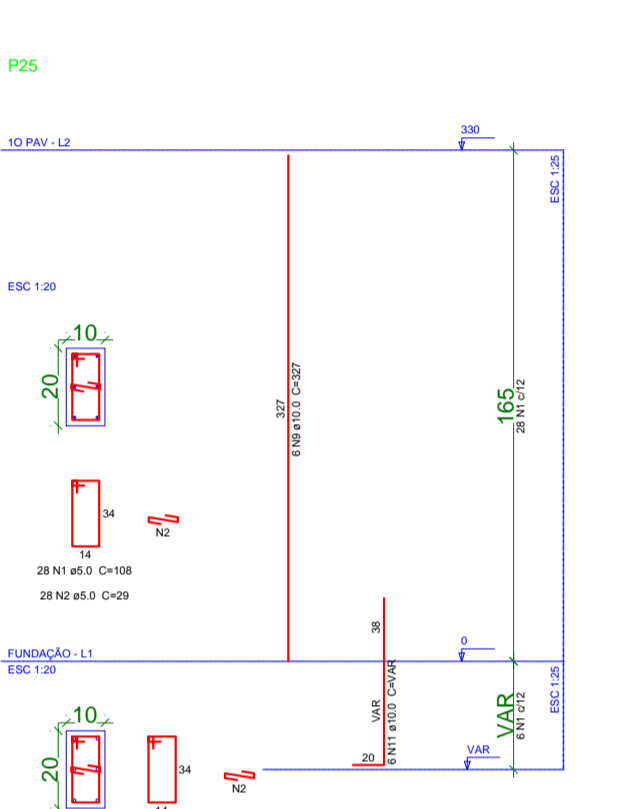
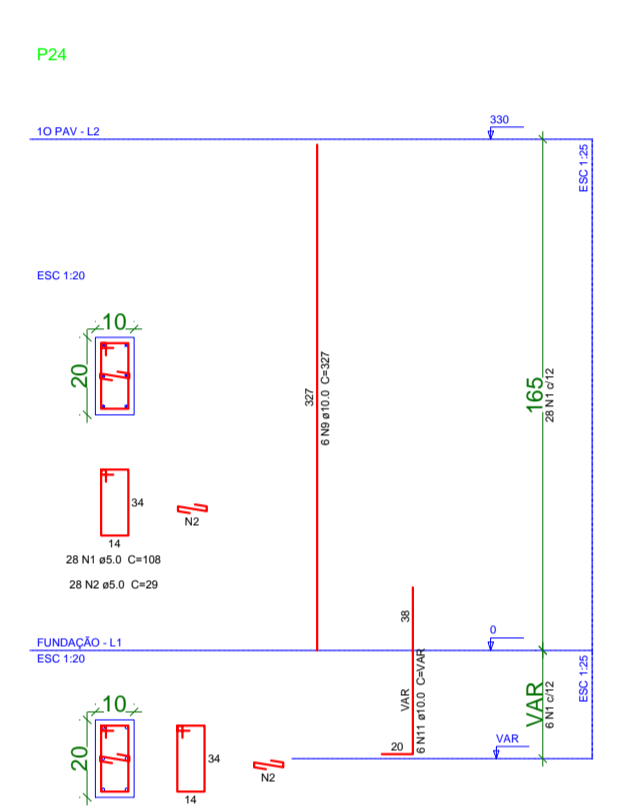
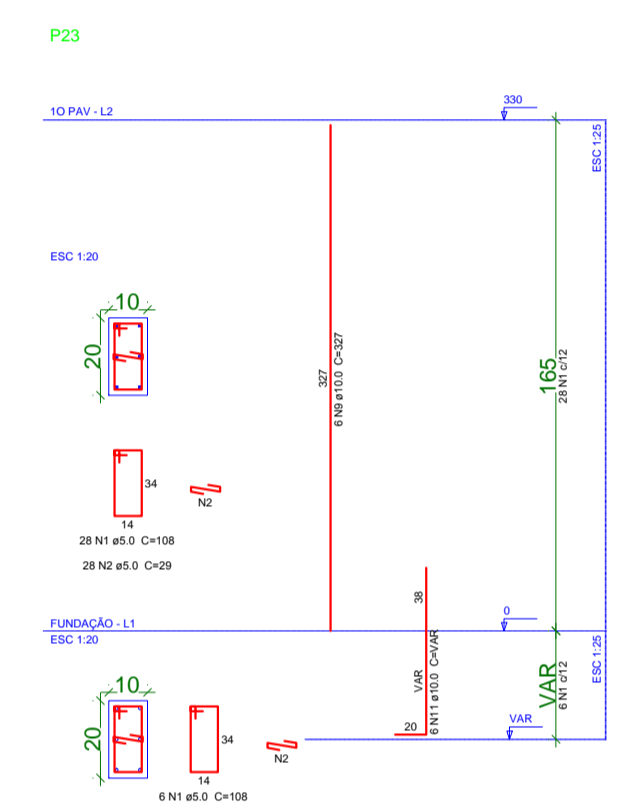
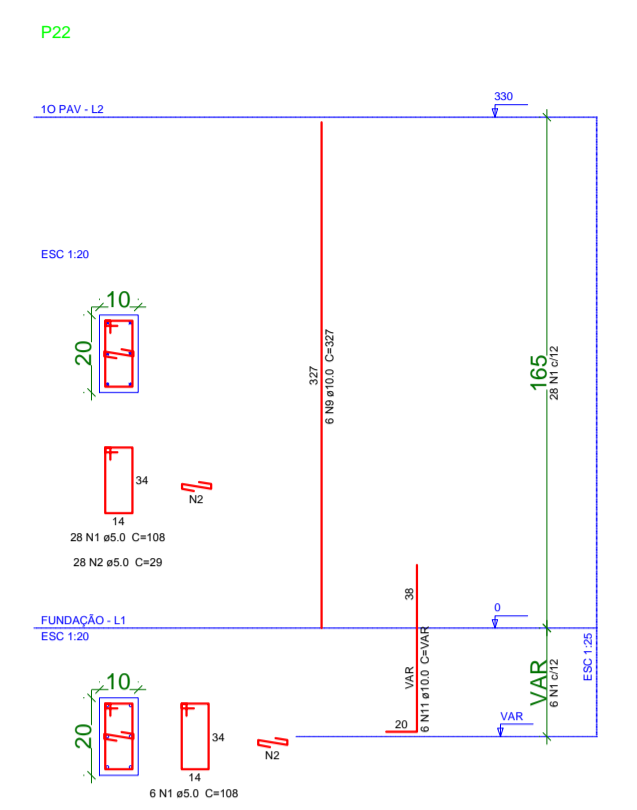
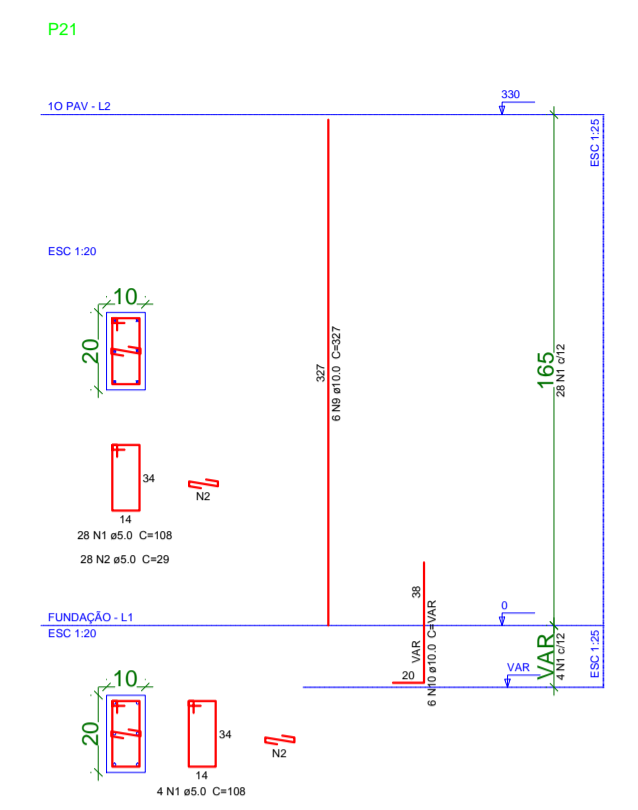
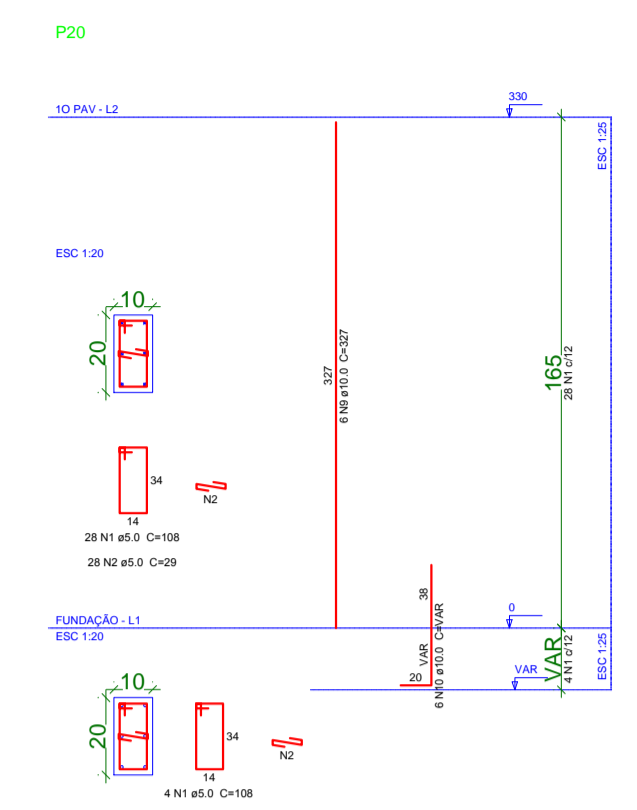
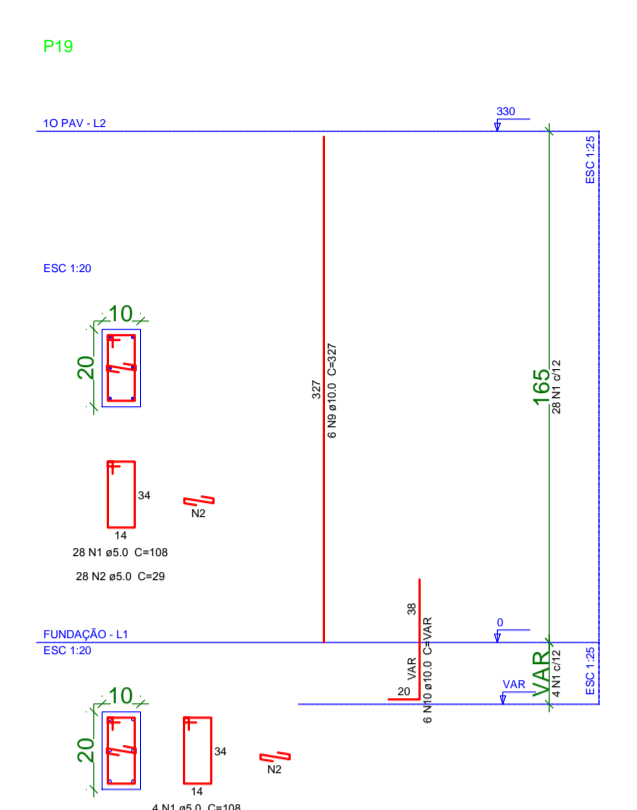
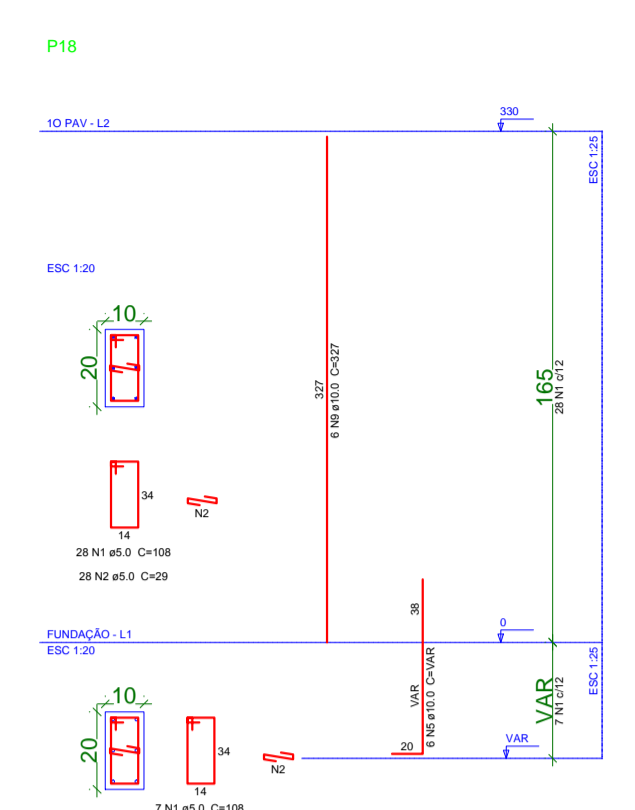
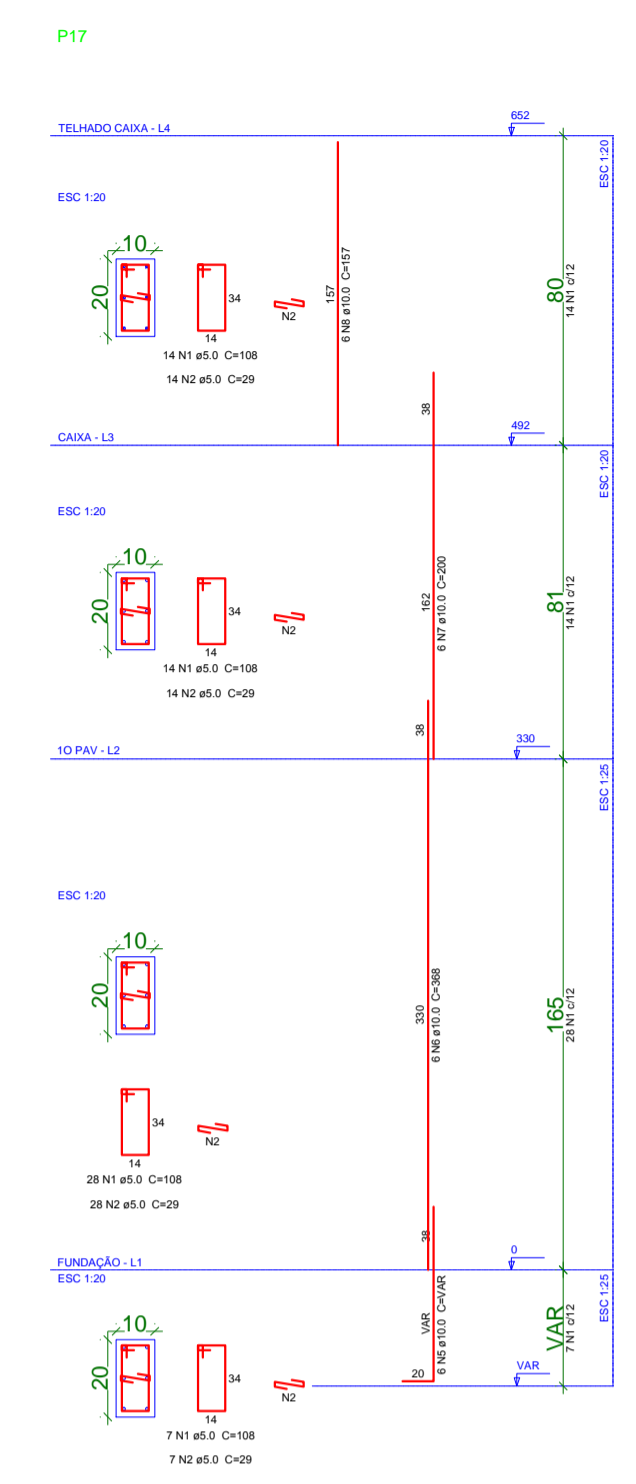
Relação do aço

ACO	N	DIAM	L	Q	UNID	C TOTAL
1	5,0	50	100	300	KG	2400
2	5,0	50	100	300	KG	1400
3	5,0	50	100	300	KG	4100
4	10,0	20	100	300	KG	1300
5	10,0	20	100	300	KG	1000
6	10,0	20	100	300	KG	2700
7	10,0	20	100	300	KG	1800
8	10,0	20	100	300	KG	1000
9	10,0	20	100	300	KG	1000
10	10,0	20	100	300	KG	1000
11	10,0	20	100	300	KG	1000

Resumo do aço

ACO	DIAM	C TOTAL	PERO - 10%
1	5,0	2400	2160
2	5,0	1400	1260
3	5,0	4100	3690
4	10,0	1300	1170
5	10,0	1000	900
6	10,0	2700	2430
7	10,0	1800	1620
8	10,0	1000	900
9	10,0	1000	900
10	10,0	1000	900
11	10,0	1000	900

Vol de concreto (C 25) = 5,28 m³
 Área de forma (M) = 14,42 m²



	CLIENTE	UNIVERSIDADE ESTADUAL DE MATO GROSSO DO SUL	
	TÍTULO	LABORATÓRIOS DIDÁTICOS E SALAS DE ARMADURA DE PILARES	
LOCAL	Rod.Aquidauana - UEMS Km. 12 Aquidauana - MS	PROJETO	ESTRUTURAL
AUTOR DO PROJETO	WAGNER LUIZ MANARA - CREA 27.190/D	PROPRIETÁRIO	UNIVERSIDADE ESTADUAL DE MATO GROSSO DO SUL CNPJ : 86.891.363/0001-80
REFERÊNCIA	PROJETO: LABORATÓRIOS E SALAS DE AULAS ENGENHARIA DE ALIMENTOS - ARMADURA DE PILARES	FOLHA Nº / AP	ARQ-AP 4 / 8
ESCALA INDICADAS	UNIDADE: METRO	ARQUIVO: AQUI_CPOS-AGRO-_-ARQ-PE-_-R01	DATA: SET/2019
		DESENHO: TIAGO	REVISÃO: R00
			VISTO: