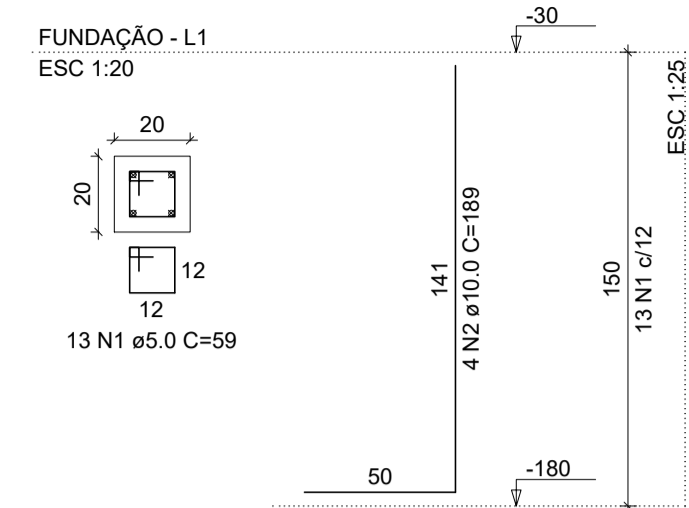
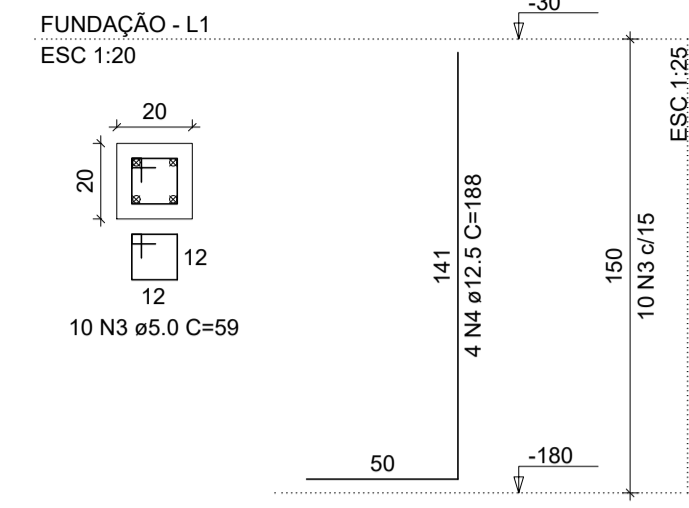


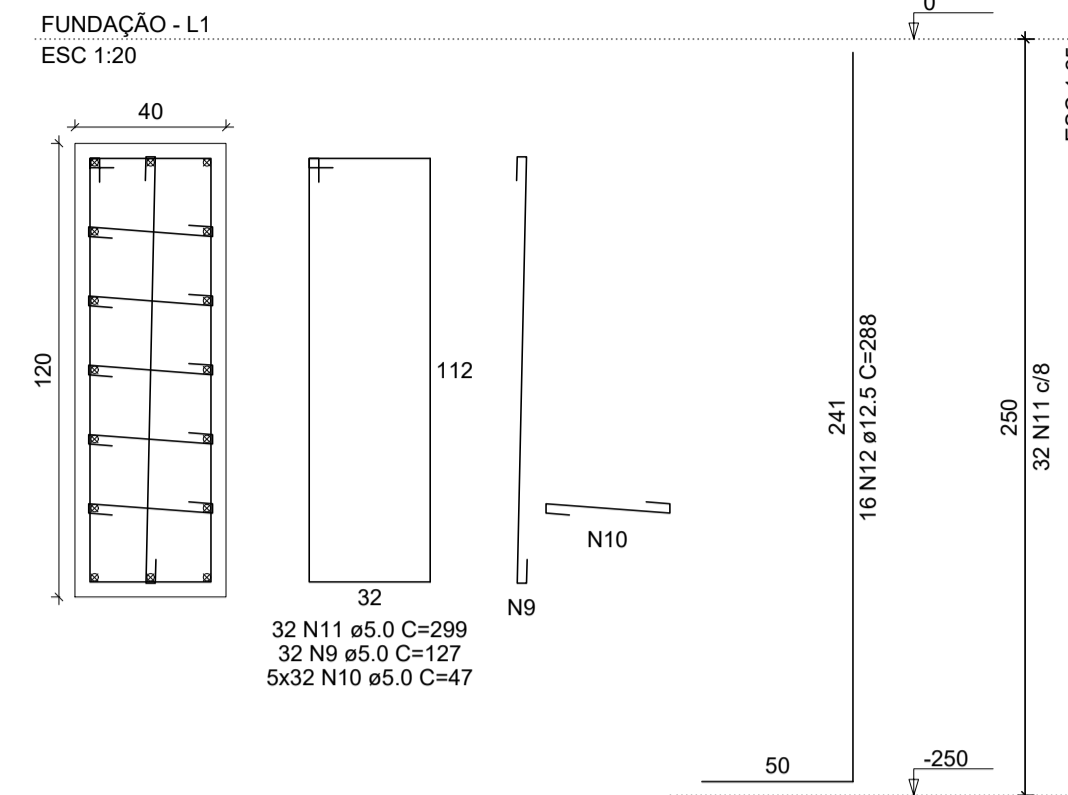
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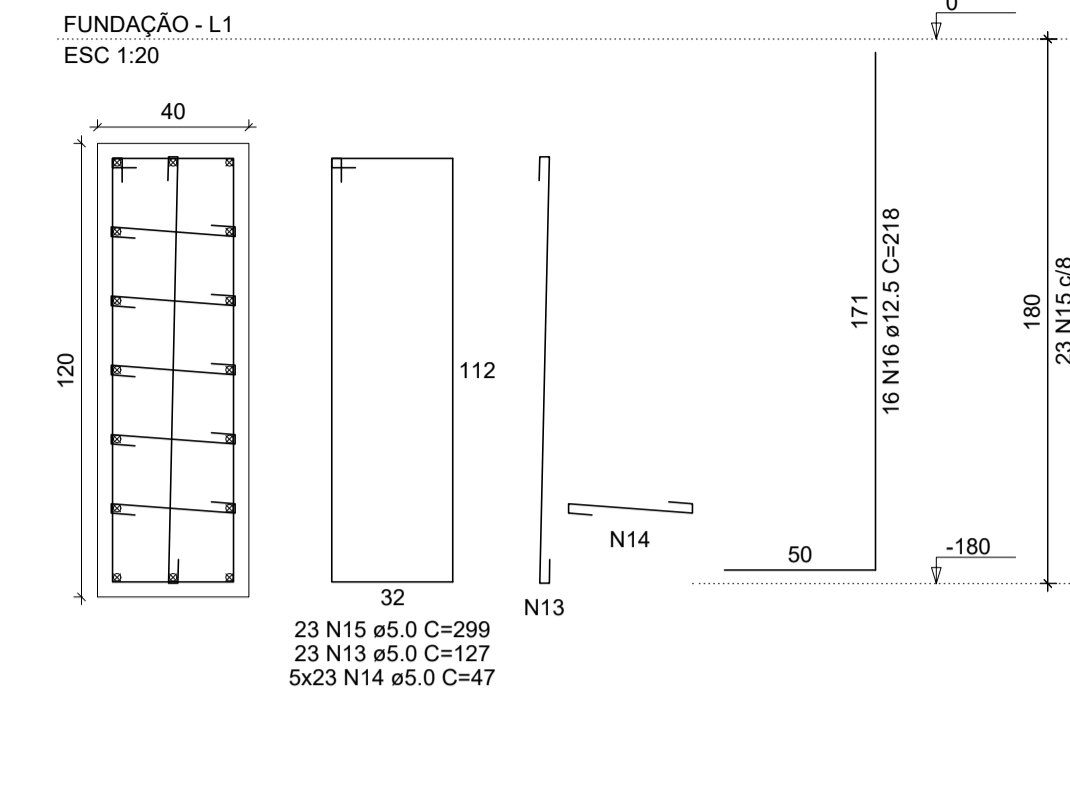
P3



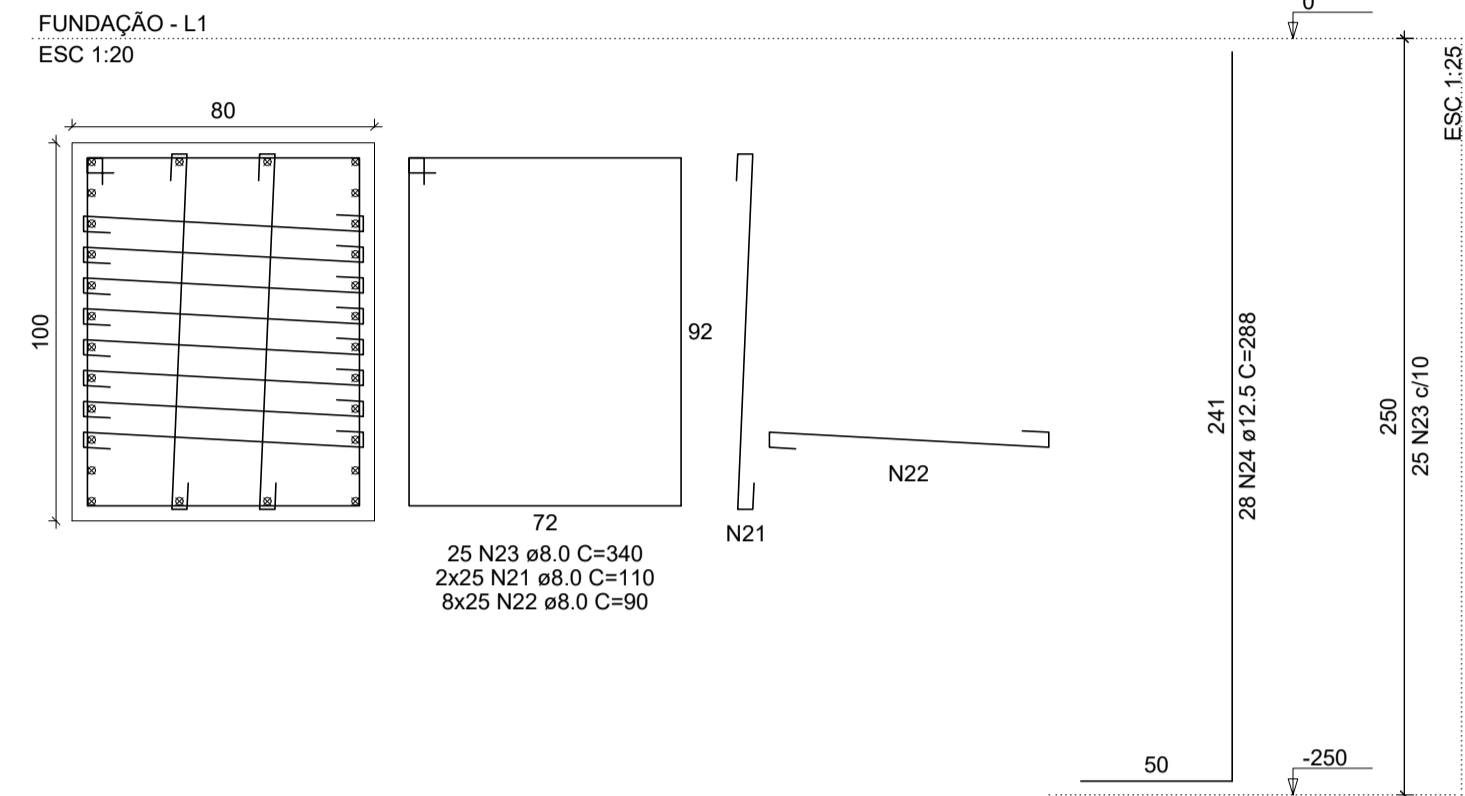
P7



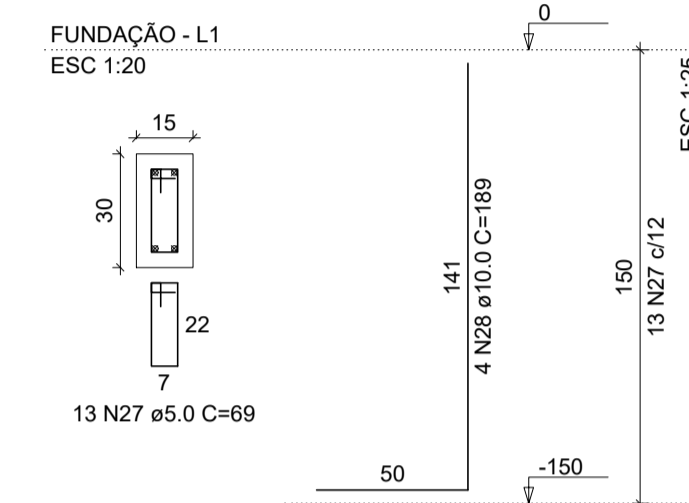
P8



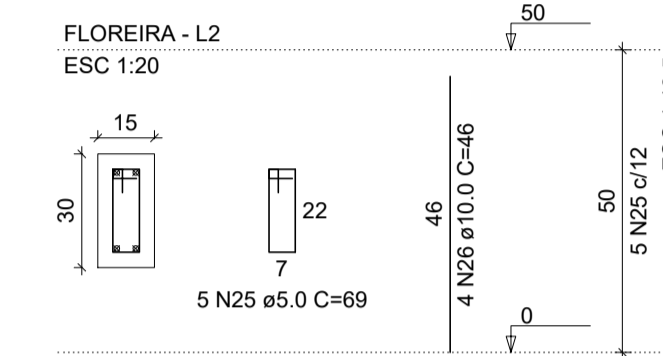
P9



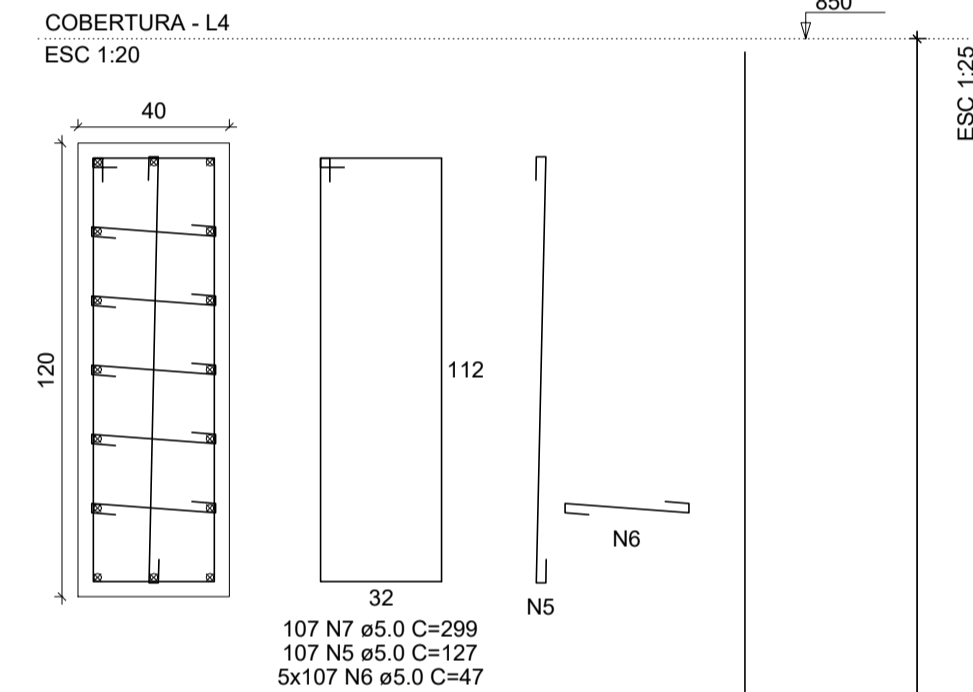
PF-4=PF-5=PF-6=PF-10=
=PF-11=PF-12



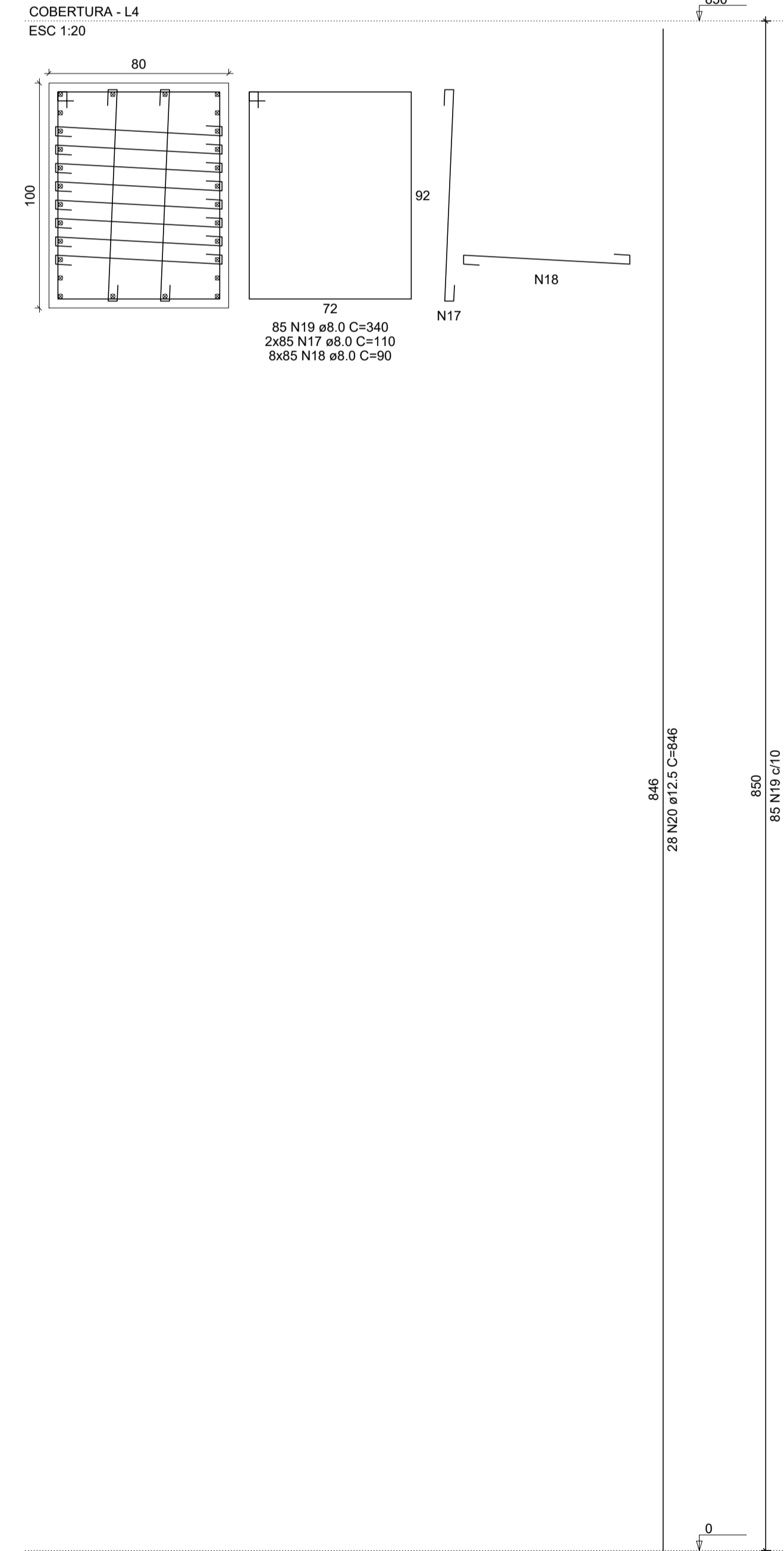
PF-4=PF-5=PF-6=PF-10=PF-11=
=PF-12



P7=P8



P9



RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
5xP1-L1	CA60	1	5.0	65	59	3835
	CA50	2	10.0	20	189	3780
P3-L1	CA60	3	5.0	10	59	590
	CA50	4	12.5	4	188	752
2xP7-L4	CA60	5	5.0	214	127	27178
	CA60	6	5.0	1070	47	50290
P7-L1	CA60	7	5.0	214	299	63986
	CA50	8	12.5	32	846	27072
P8-L1	CA60	9	5.0	32	127	4064
	CA60	10	5.0	160	47	7520
P9-L1	CA60	11	5.0	32	299	9568
	CA50	12	12.5	16	288	4608
6xPF-4-L2	CA60	13	5.0	23	127	2921
	CA60	14	5.0	115	47	5405
P9-L4	CA60	15	5.0	23	299	6877
	CA50	16	12.5	16	218	3488
P9-L1	CA50	17	8.0	170	110	18700
	CA50	18	8.0	680	90	61200
6xPF-4-L1	CA50	19	8.0	85	340	28900
	CA50	20	12.5	28	846	23688
P9-L1	CA50	21	8.0	50	110	5500
	CA50	22	8.0	200	90	18000
6xPF-4-L2	CA50	23	8.0	25	340	8500
	CA50	24	12.5	28	288	8064
6xPF-4-L1	CA60	25	5.0	30	69	2070
	CA60	26	10.0	24	46	1104
6xPF-4-L1	CA60	27	5.0	78	69	5382
	CA50	28	10.0	24	189	4536

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 0% (Barras)	PESO + 0% (kg)
CA50	8.0	1408	118	555.6
	10.0	94.2	8	38.1
	12.5	676.7	57	651.9
CA60	5.0	1896.9	159	292.4

PESO TOTAL (kg)
CA50 1285.6
CA60 292.4

Volume de concreto (C-30) = 19.92 m³
Área de forma = 125.76 m²

Aprovação:

Lucas Costa Alves

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(051) 98011-8413
lucascostaalves@hotmail.com

Projetos & Execuções



PROJETO ESTRUTURAL

PROJETO: PÓRТИCO ACESSO NORTE	SITUAÇÃO:
CLIENTE: Prefeitura Municipal de Tavares	
ENDEREÇO DA OBRA: Avenida Izidro Teixeira Machado Centro Tavares - RS	
RESP. TÉCNICO: LUCAS COSTA ALVES ENGENHEIRO CIVIL CREA RS223411	CLIENTE: Prefeitura Municipal de Tavares
CONTEÚDO: - Detalhamento pilares	ESCALA: Indicada no desenho
	FORMATO: A1 (594 x 841)
	PRANCHA: EST 5/5
	DATA: 17/03/2019
	REVISÃO: 001