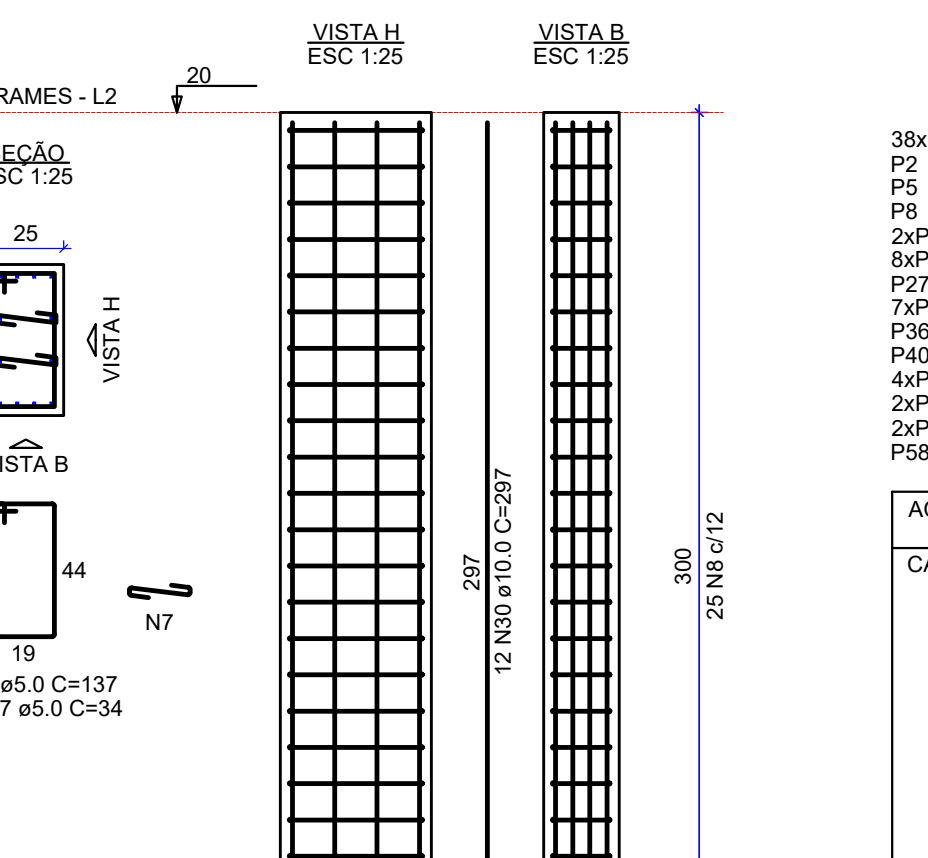
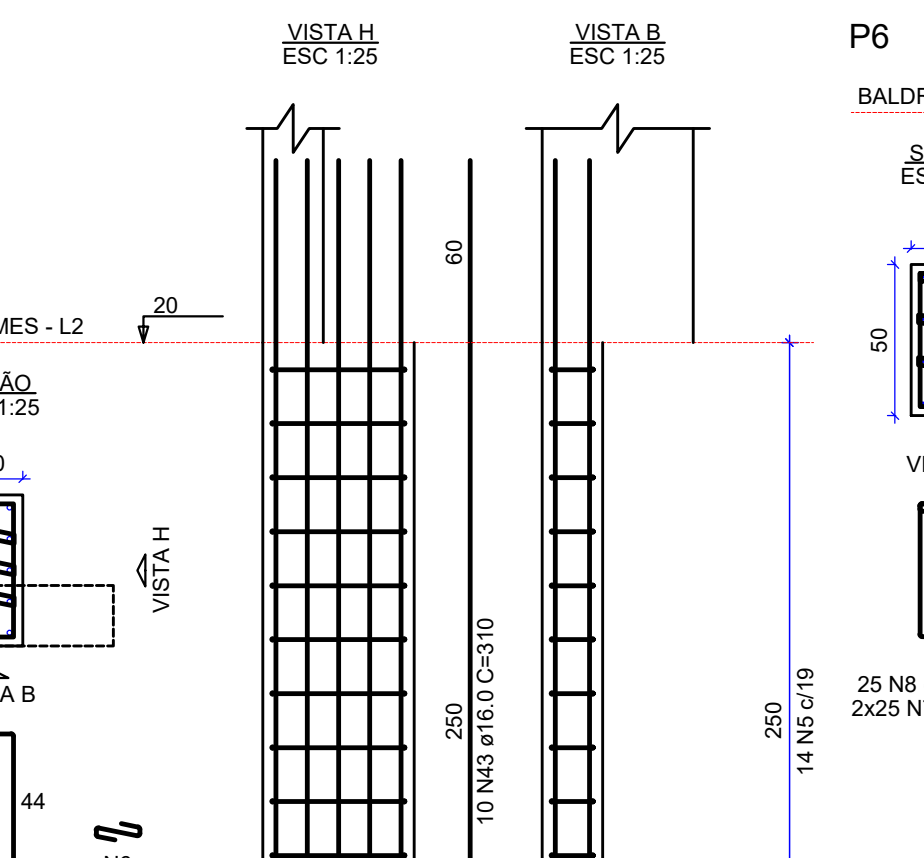
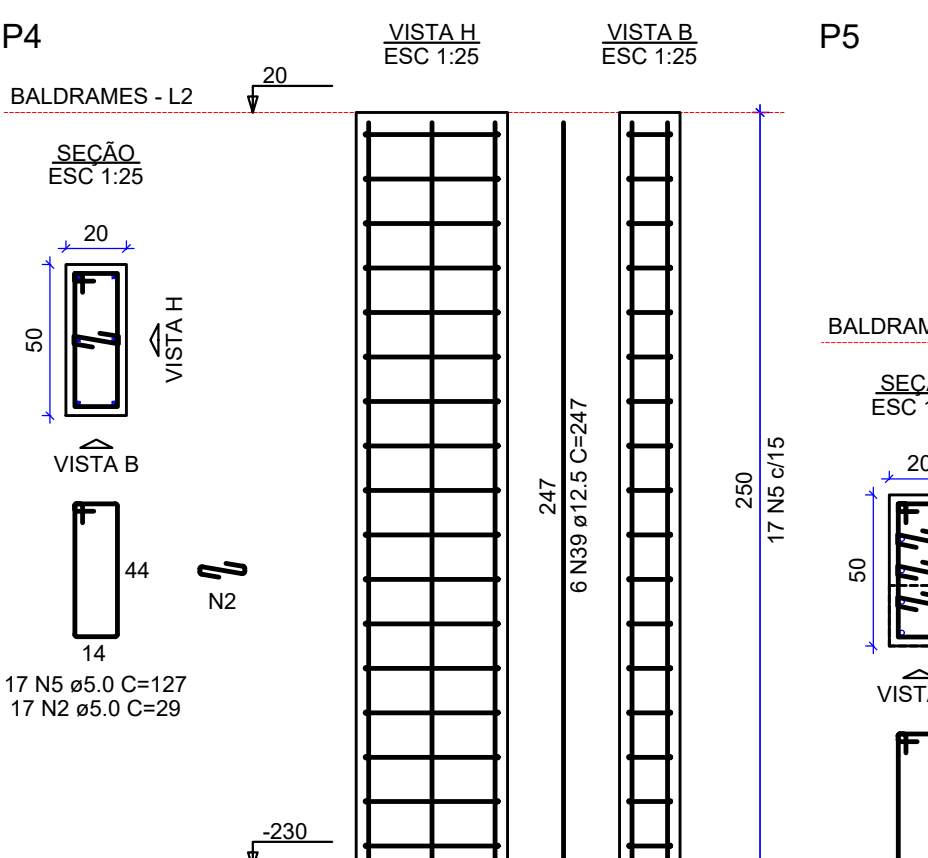
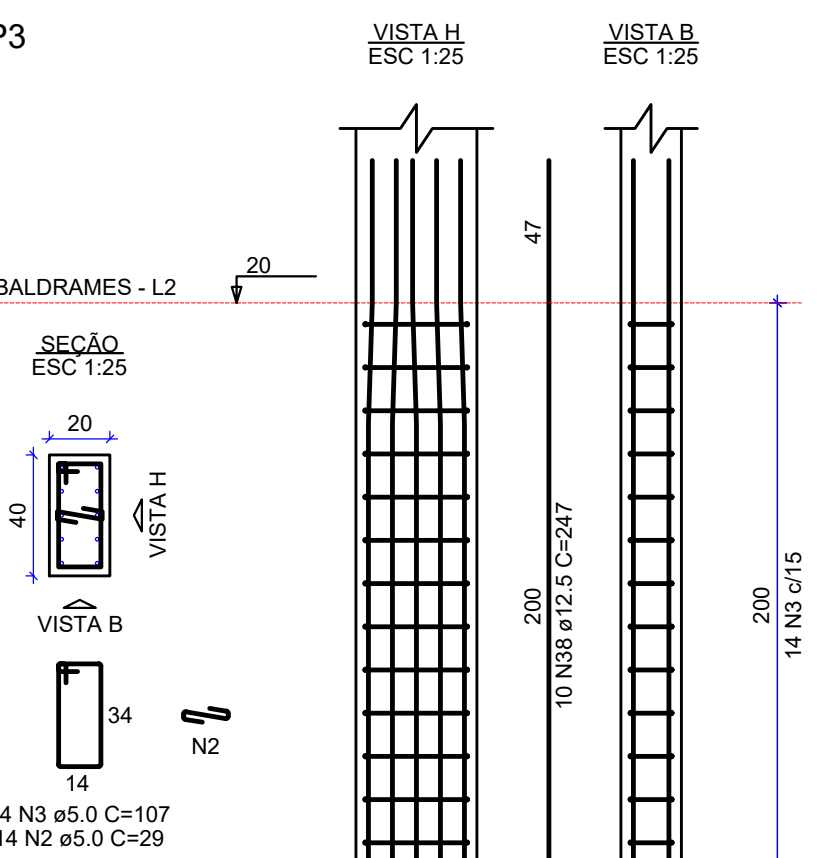
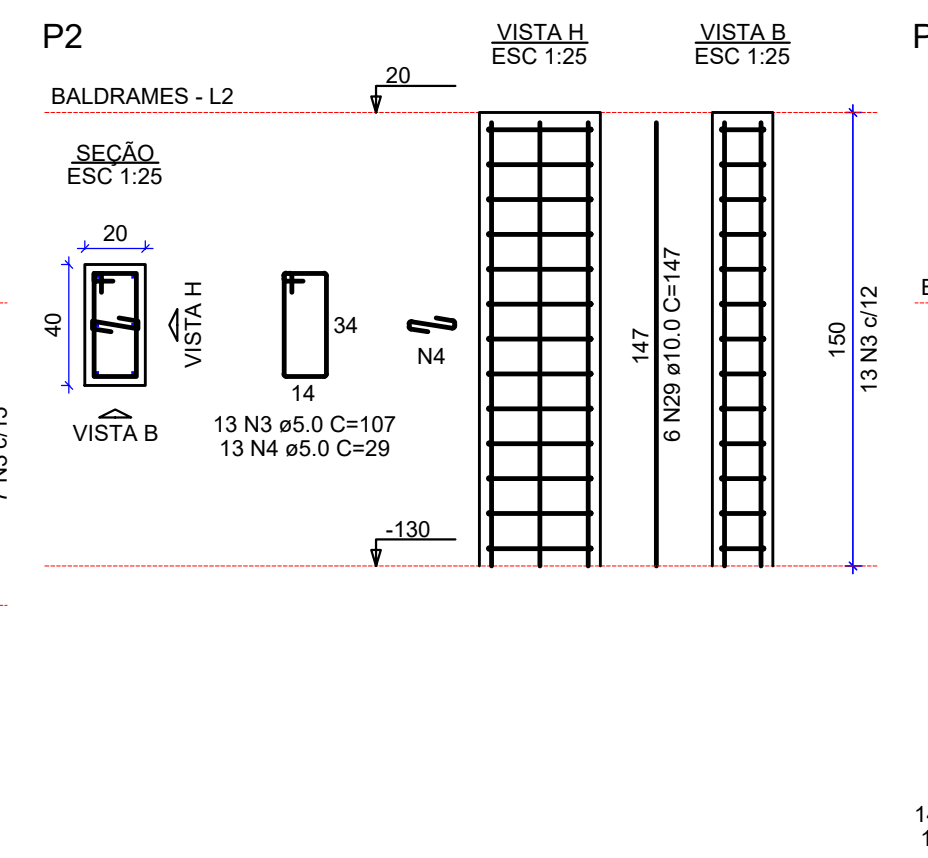
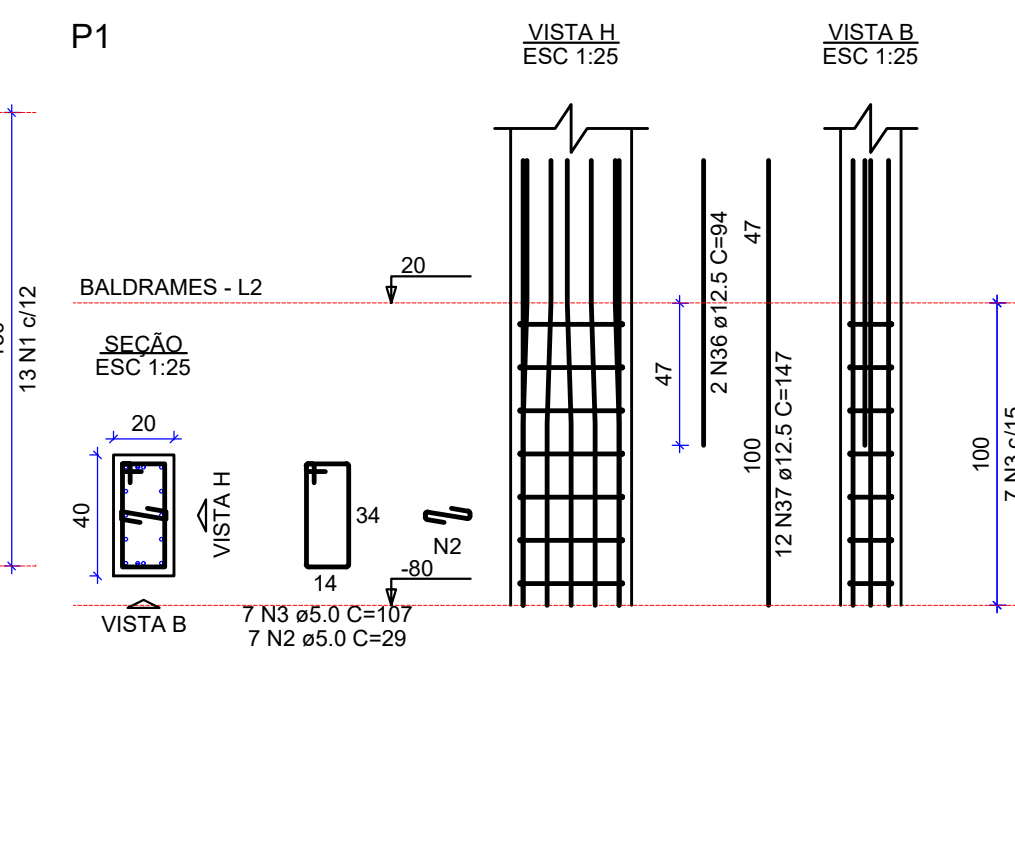
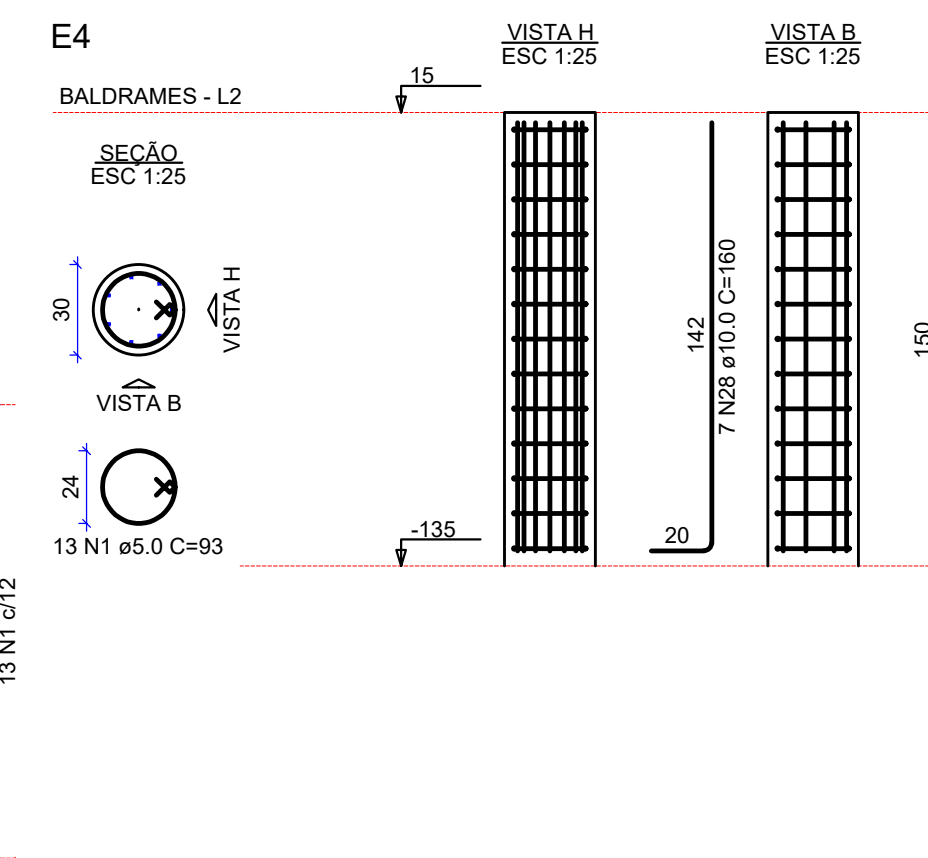
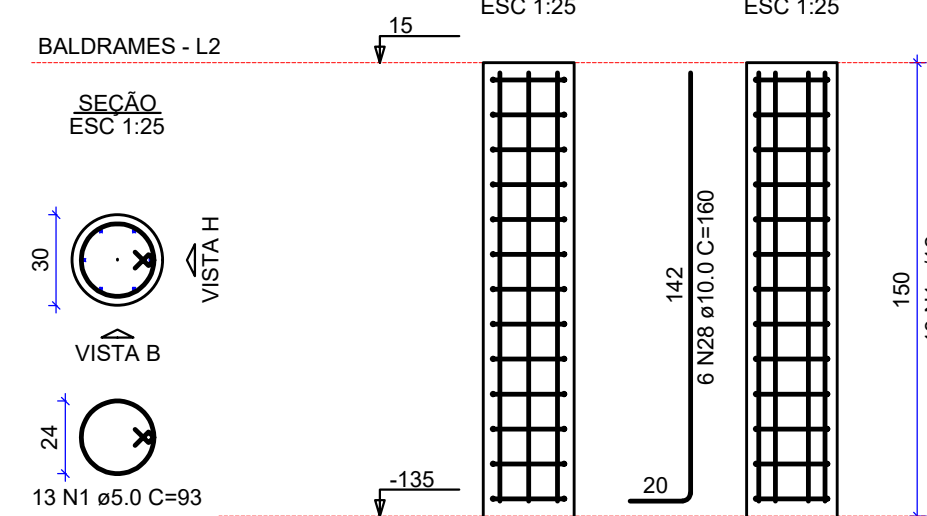
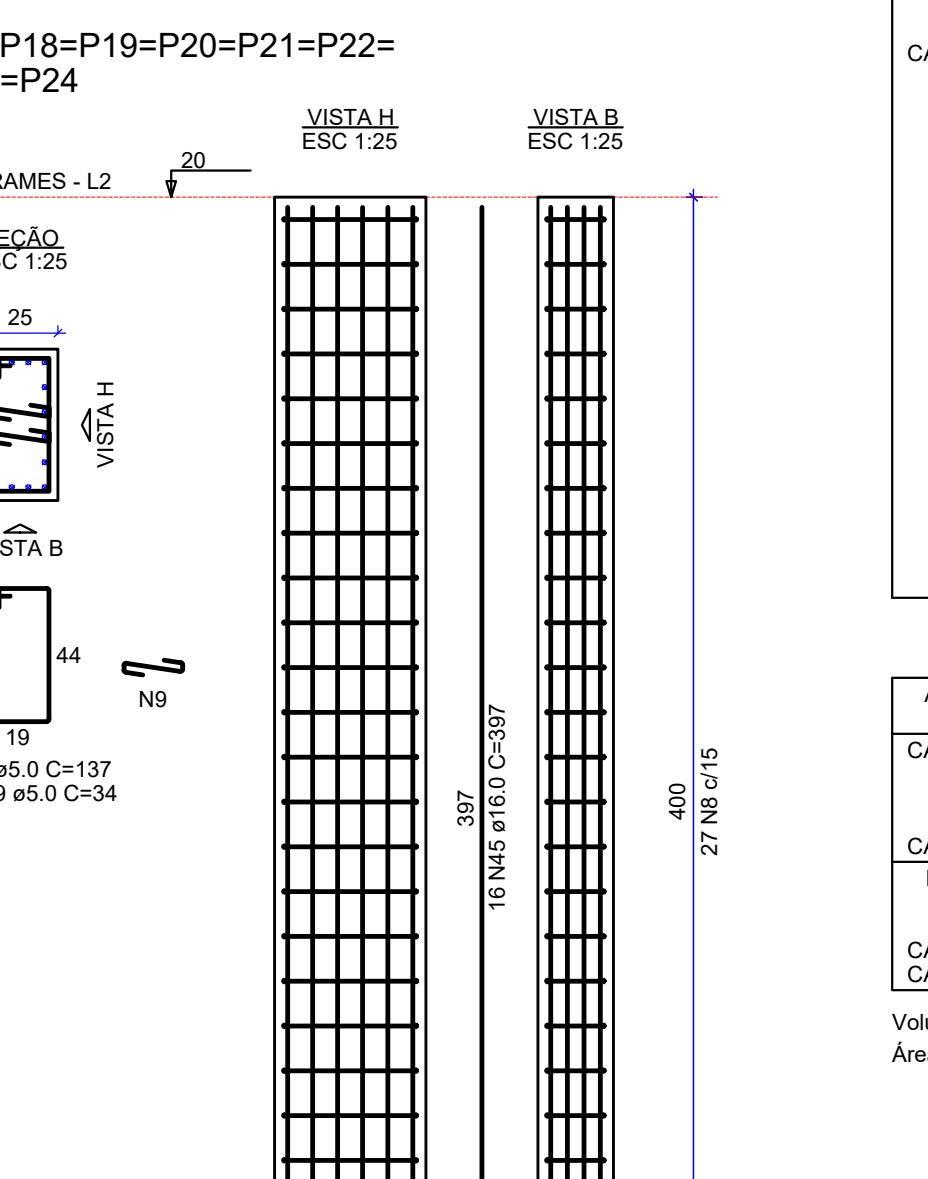
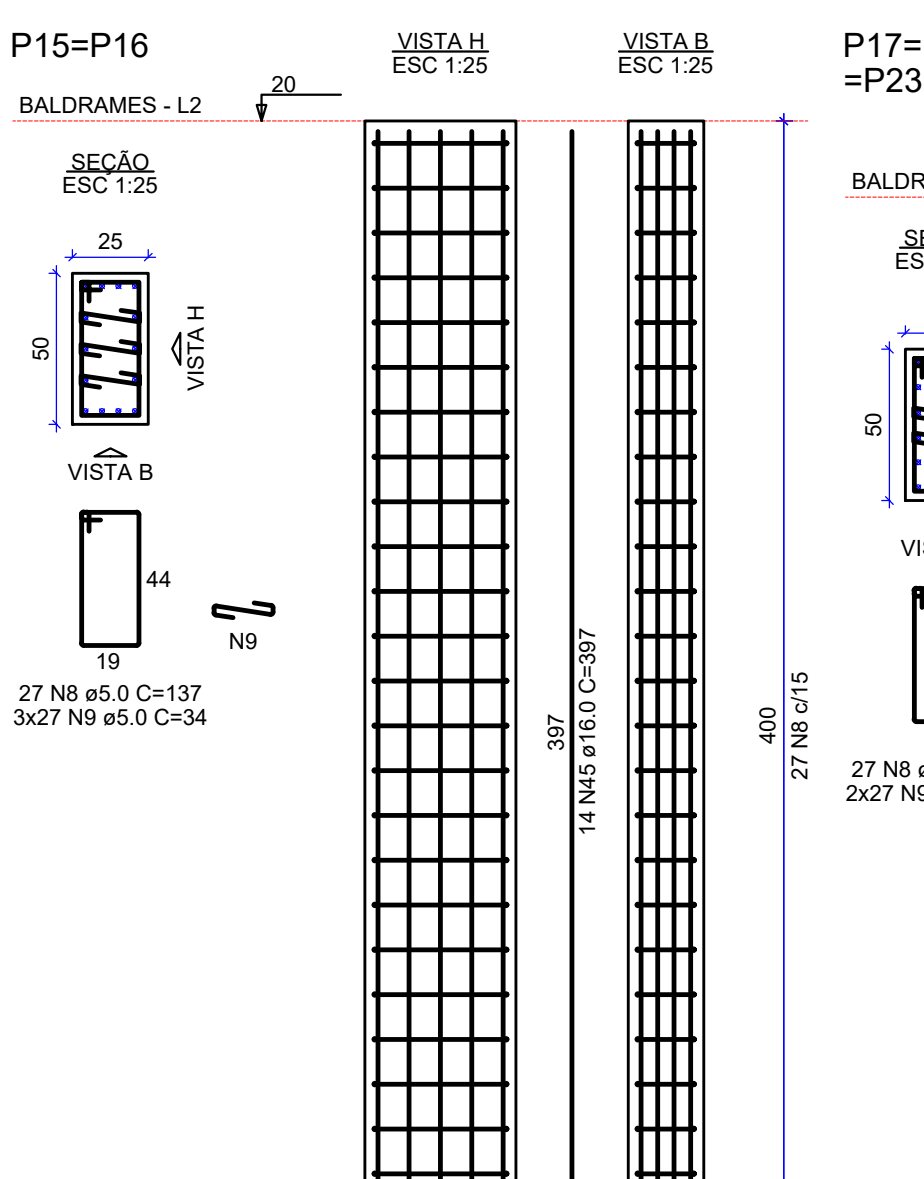
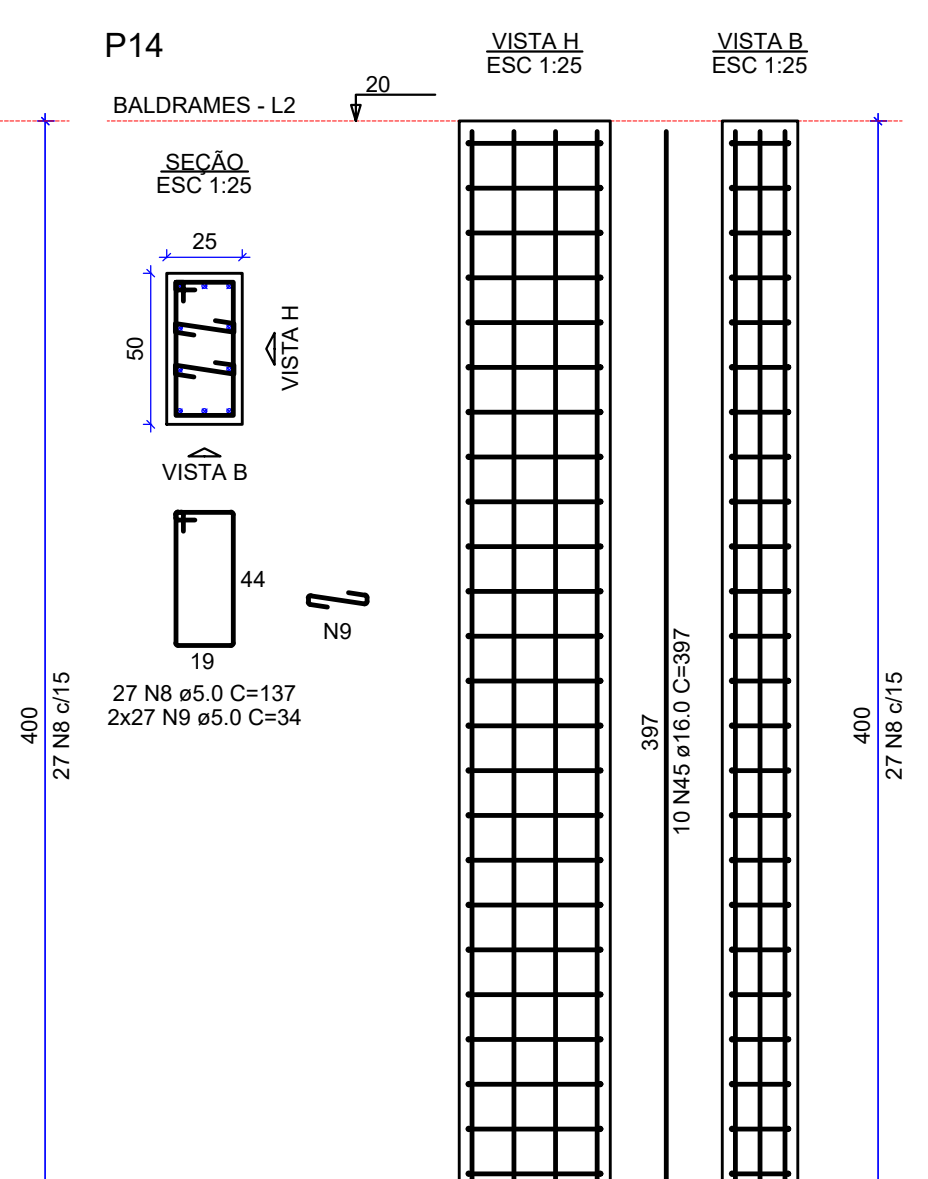
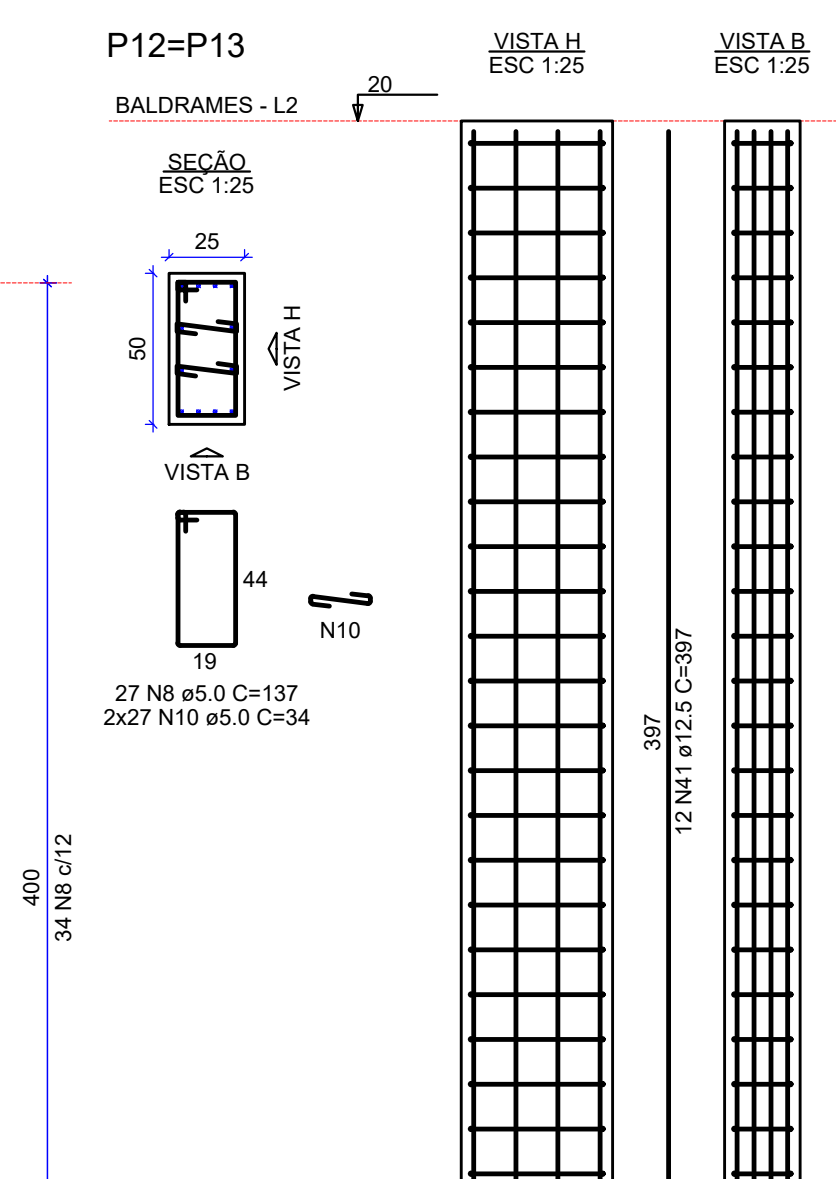
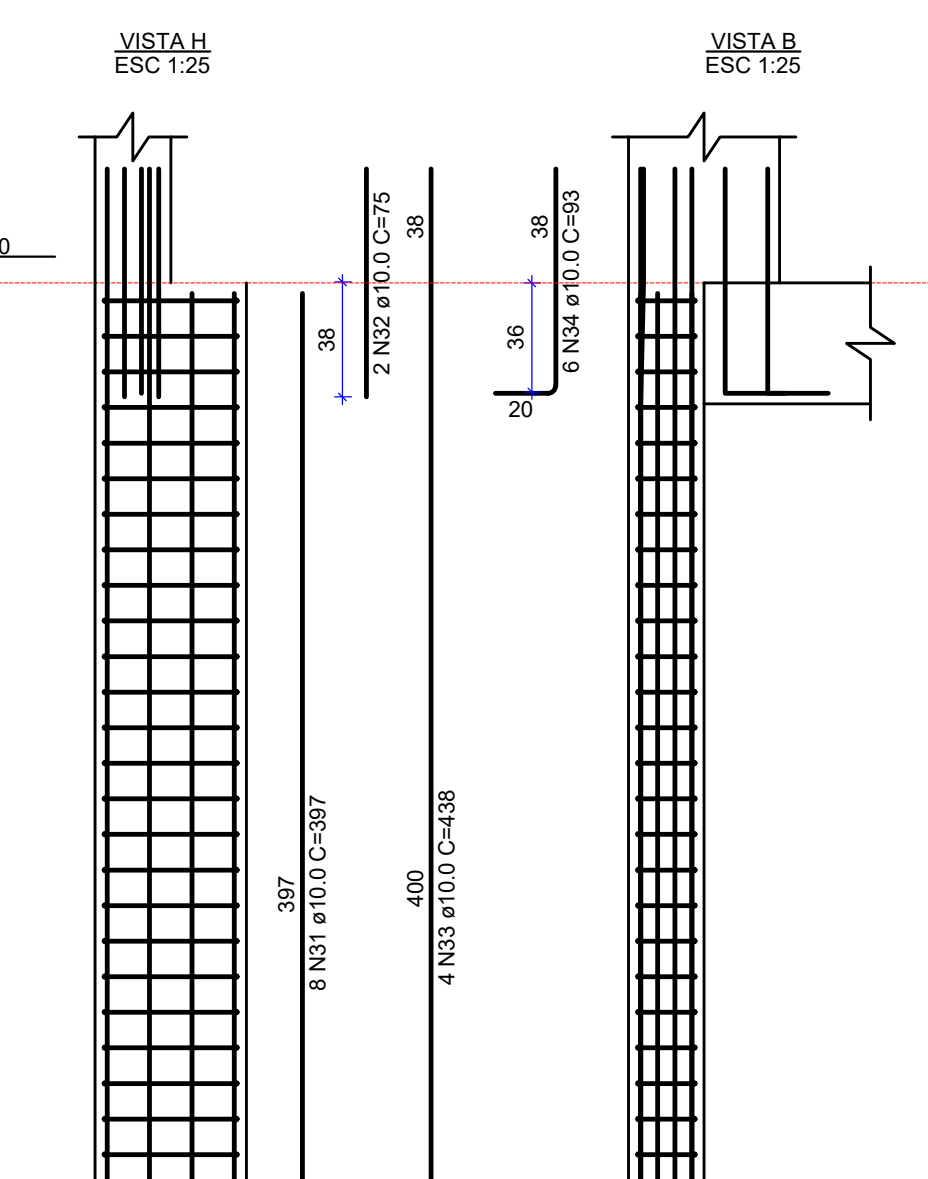
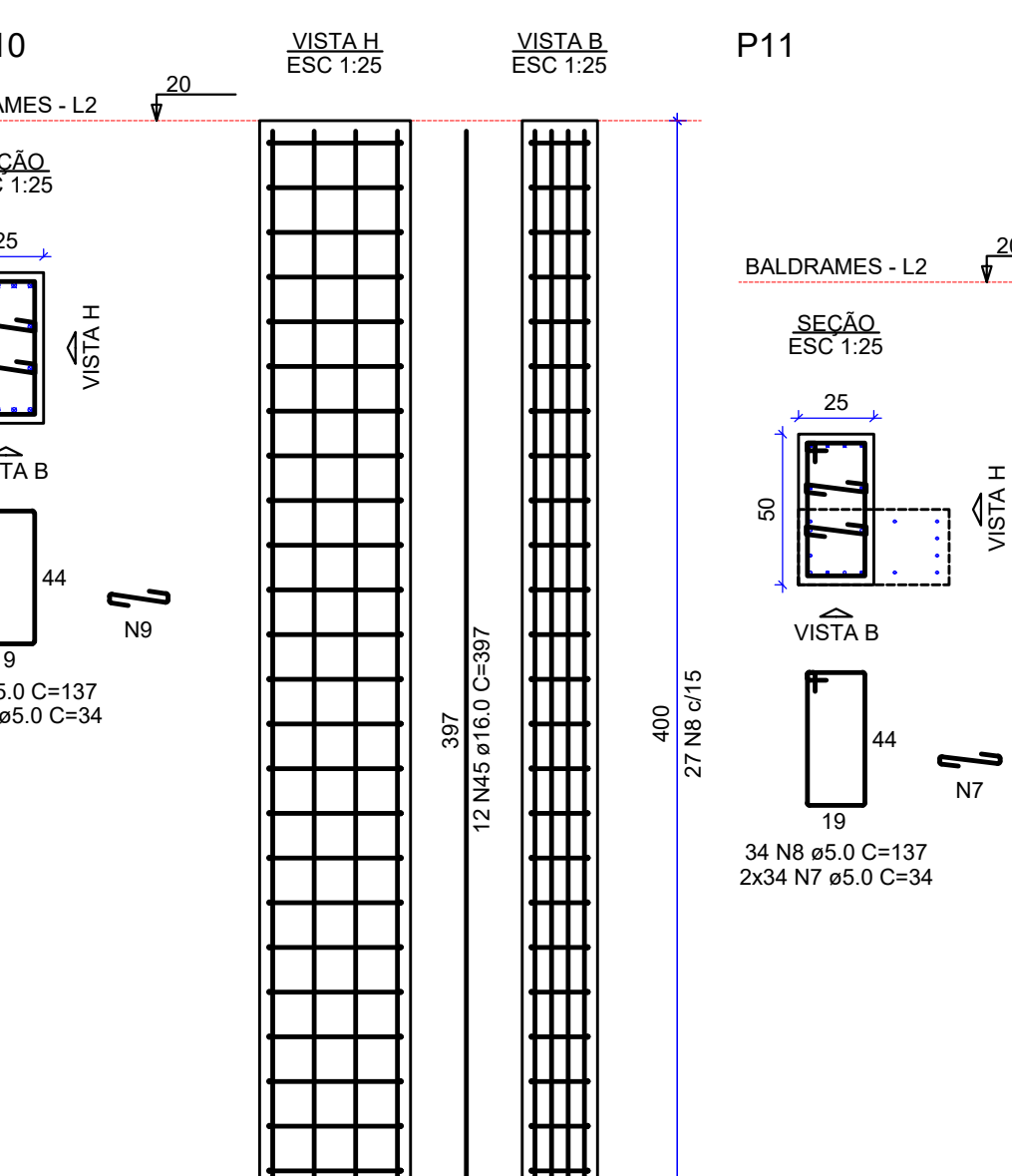
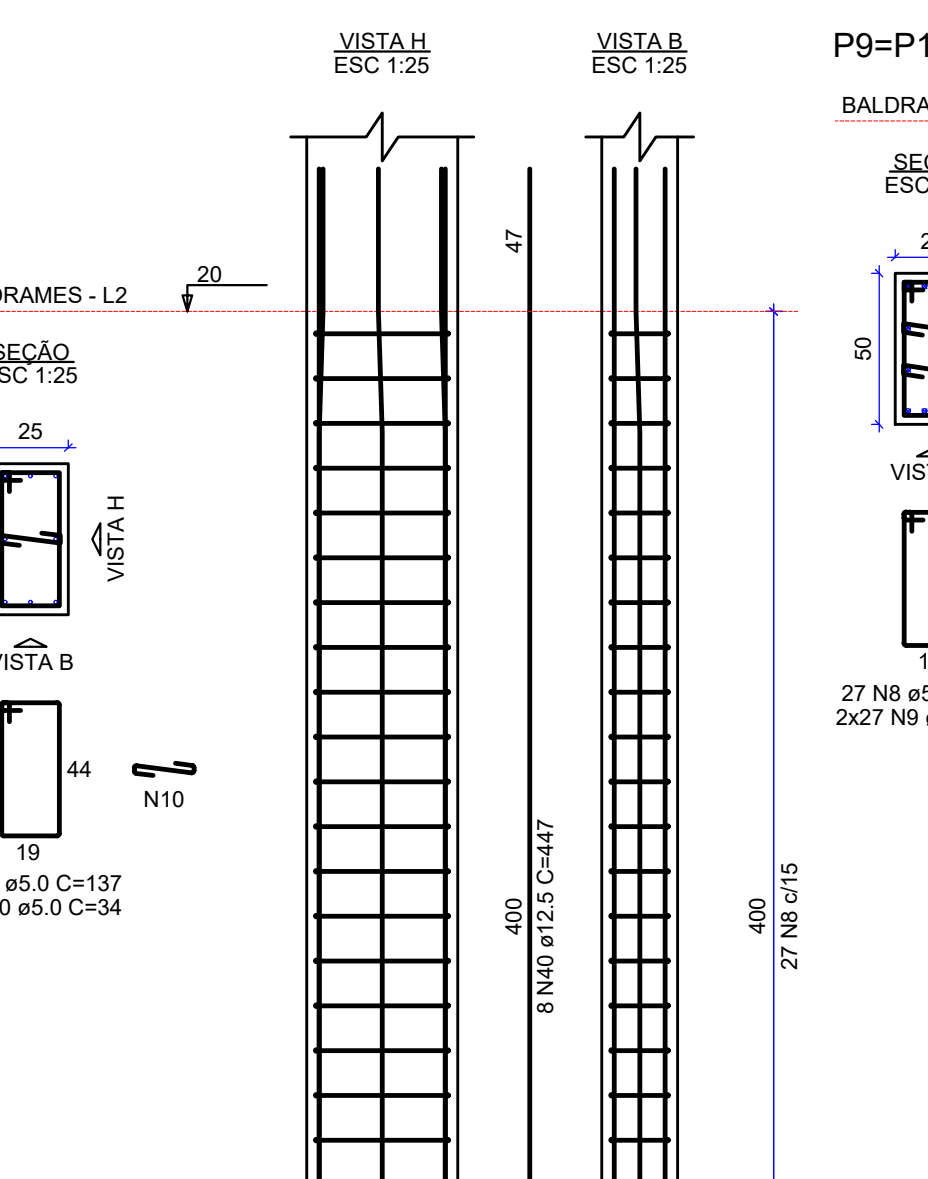
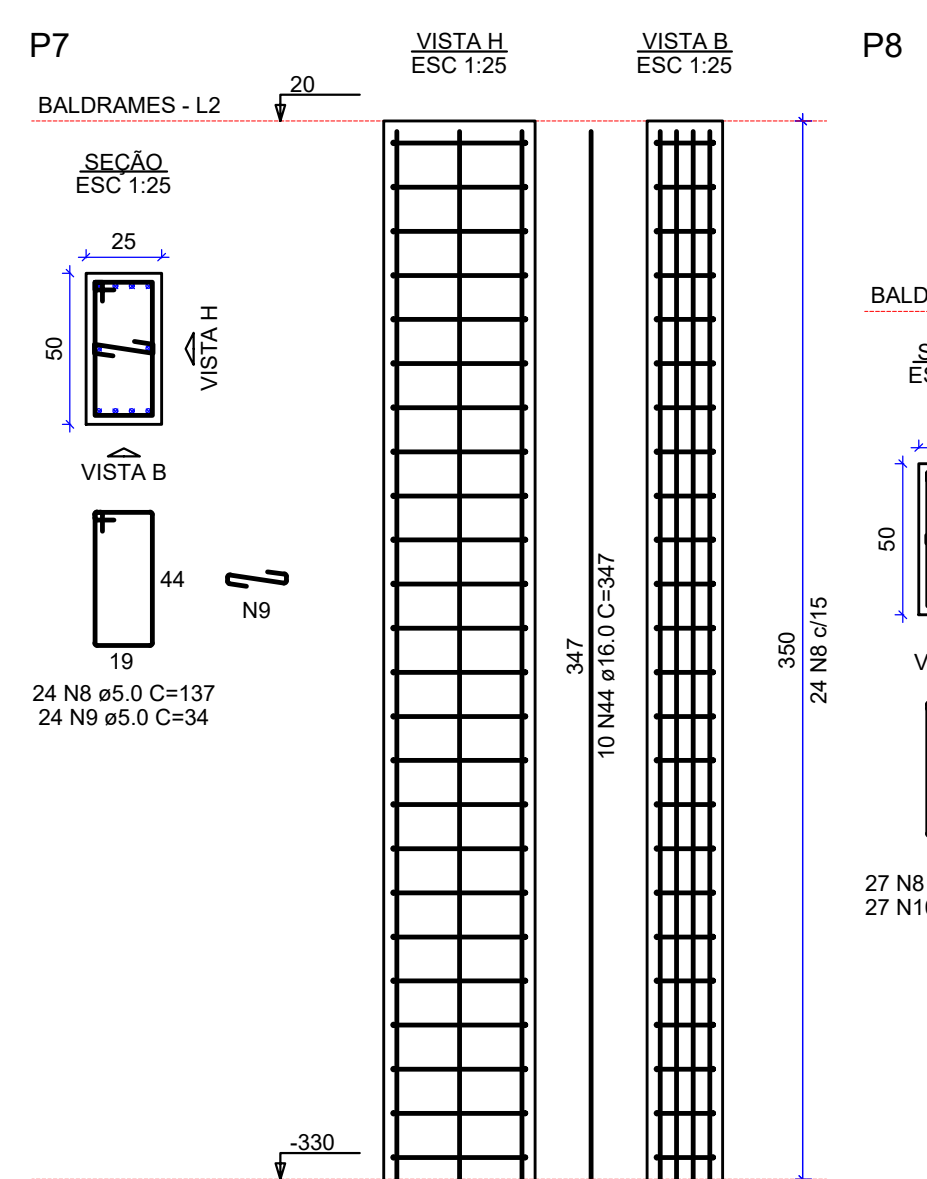


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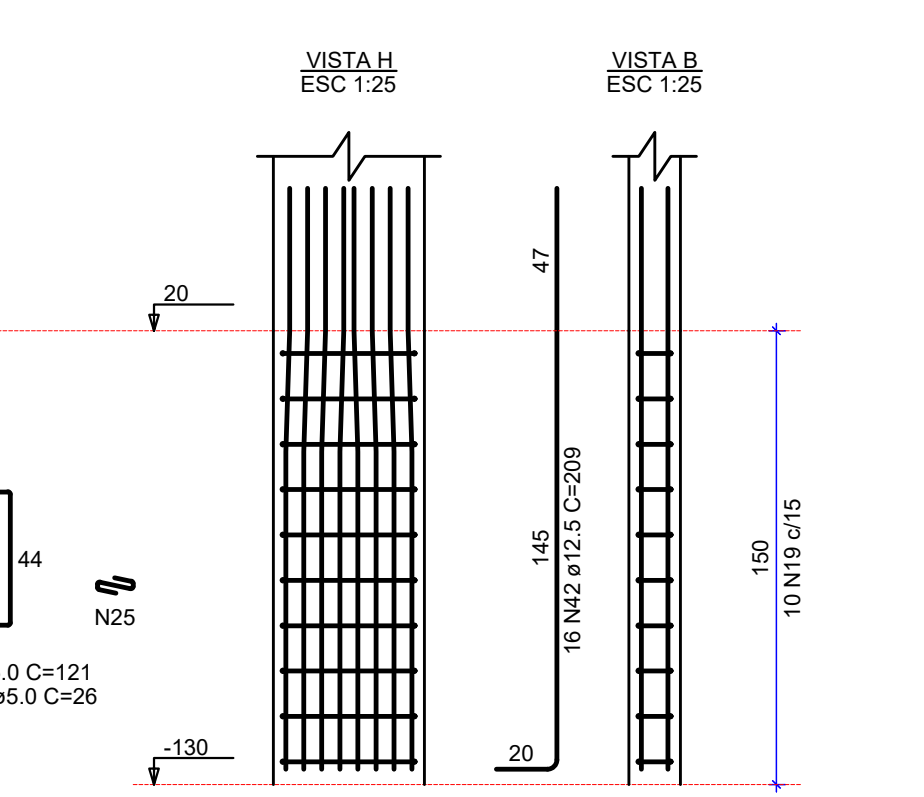
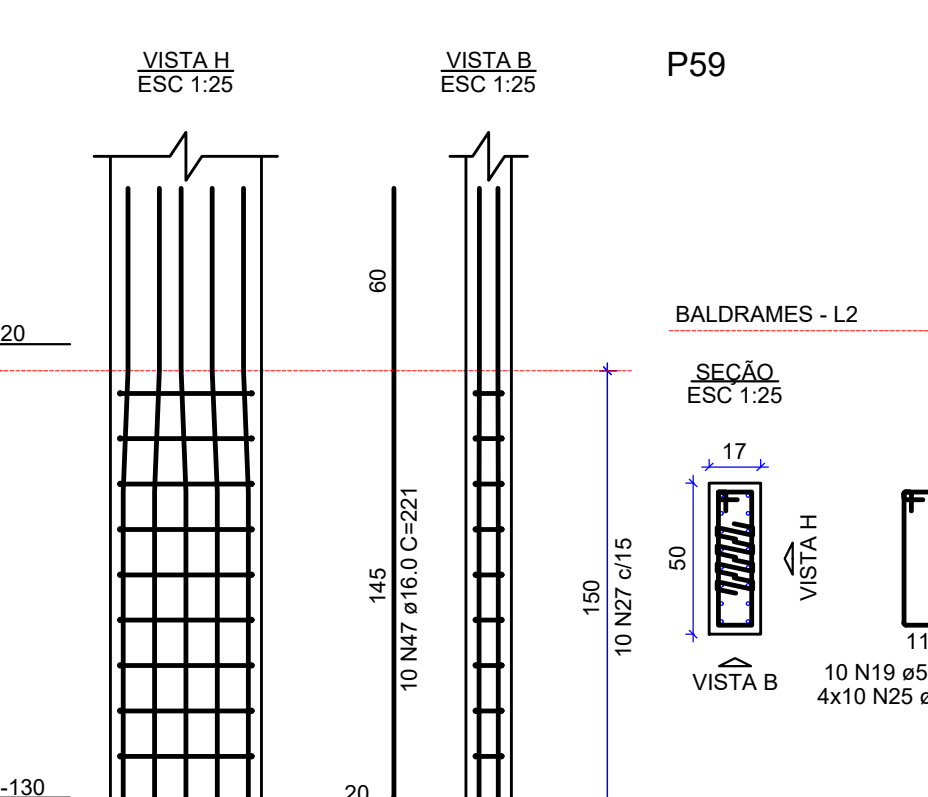
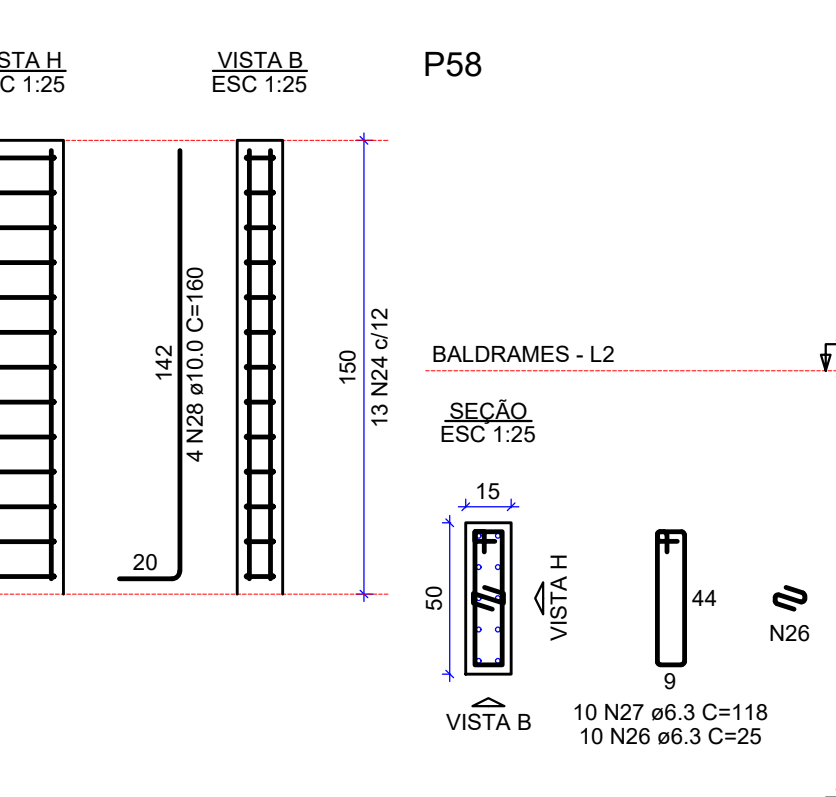
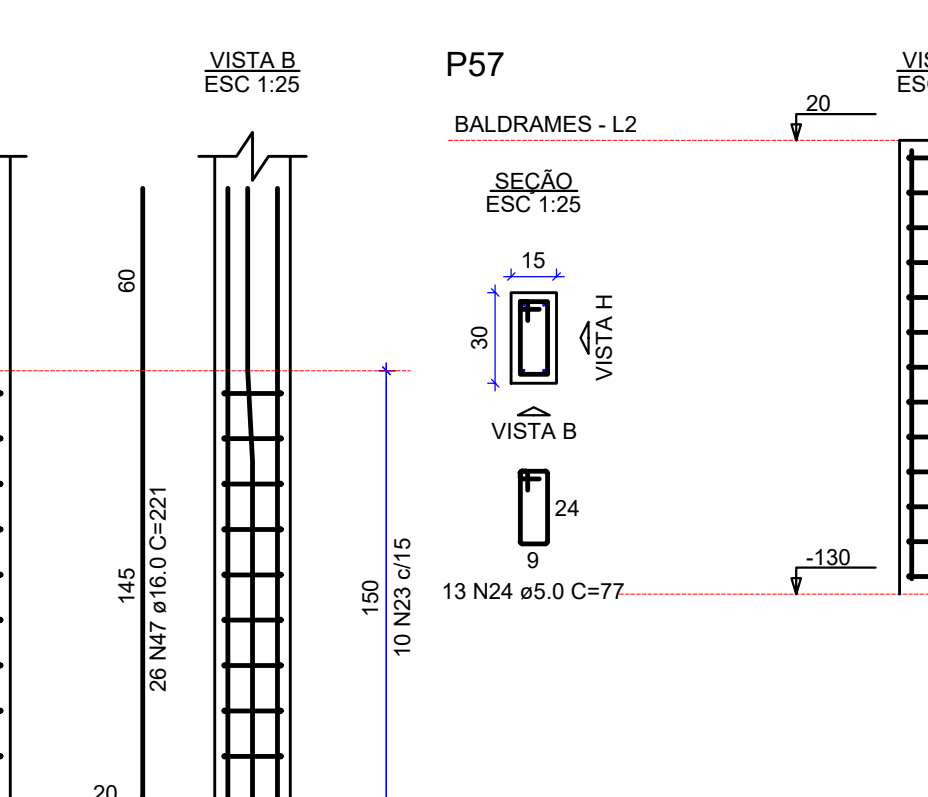
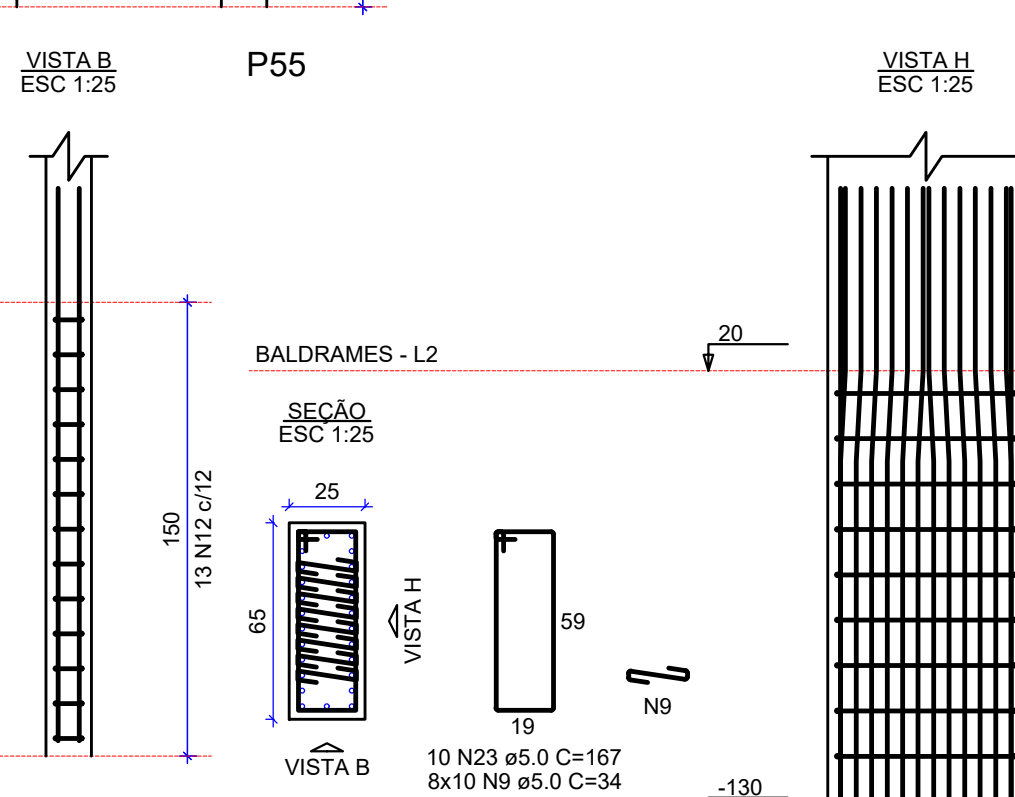
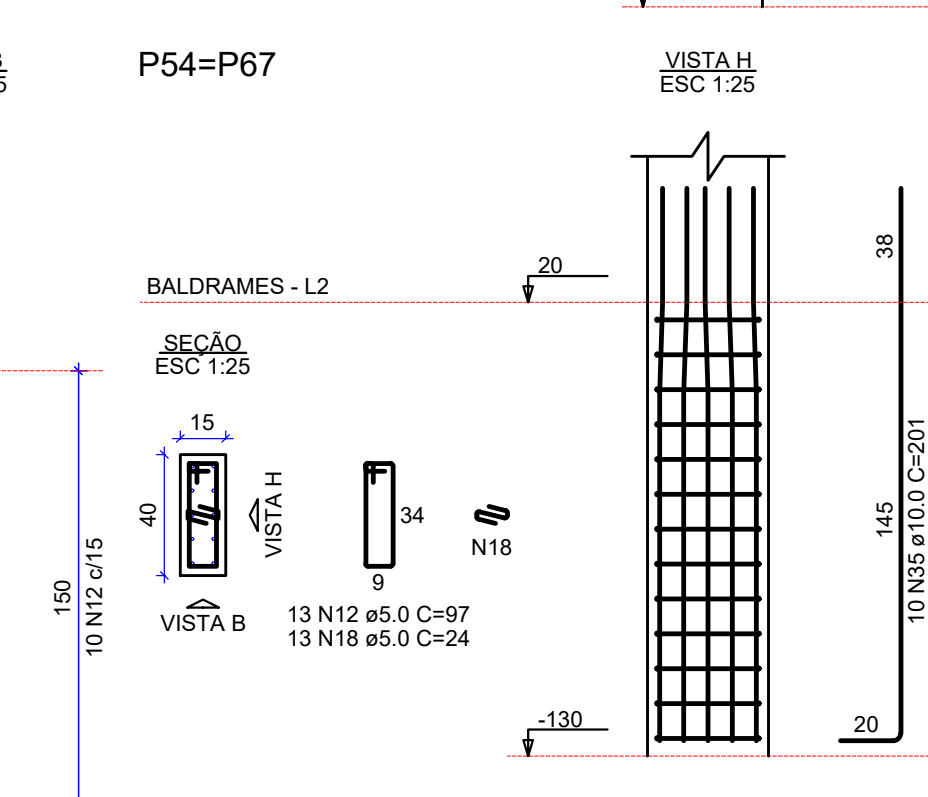
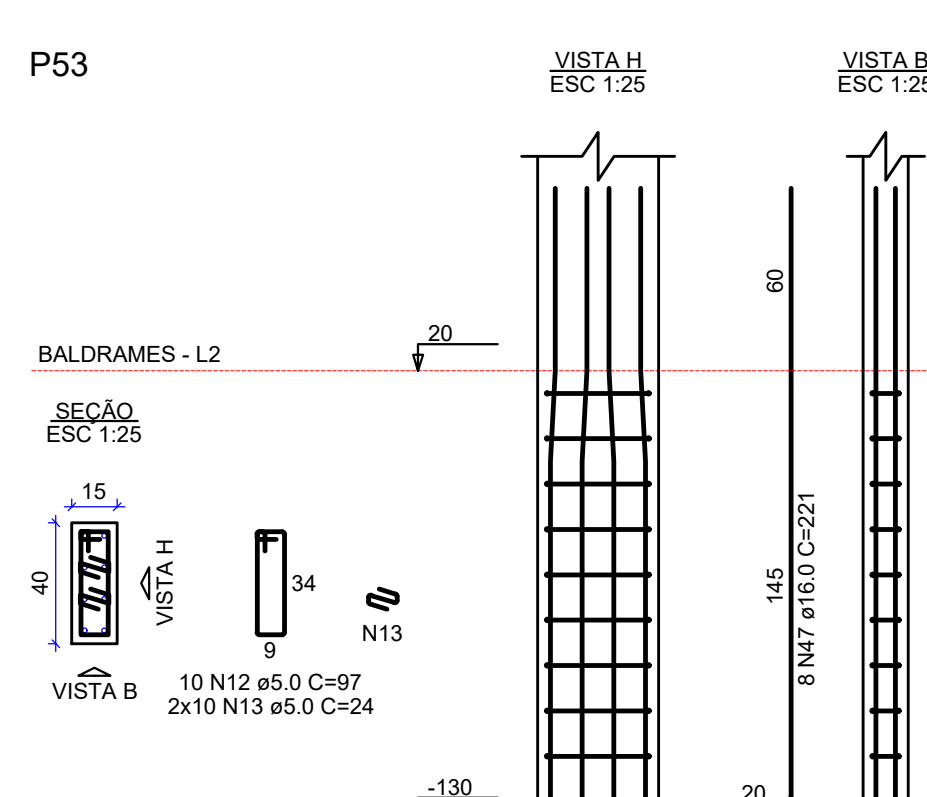
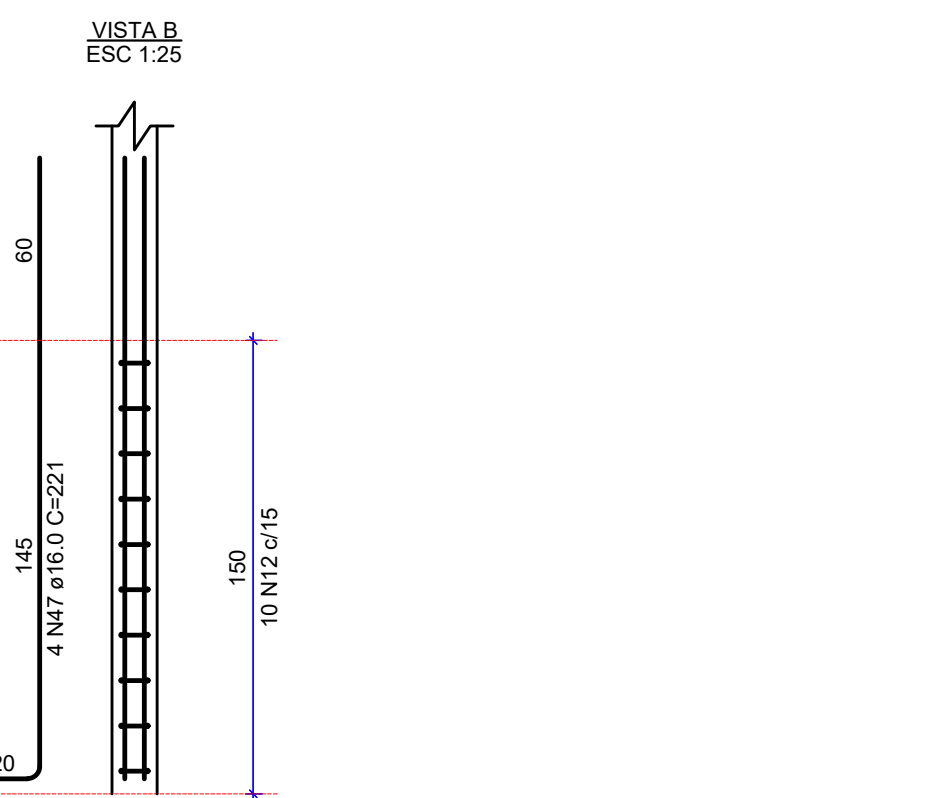
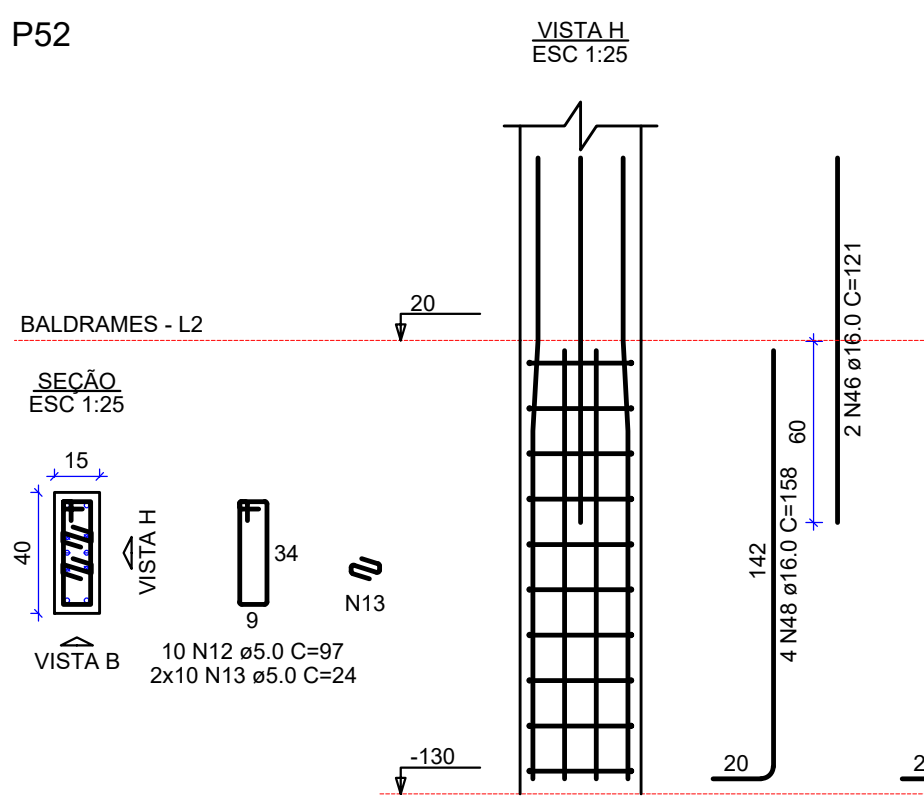
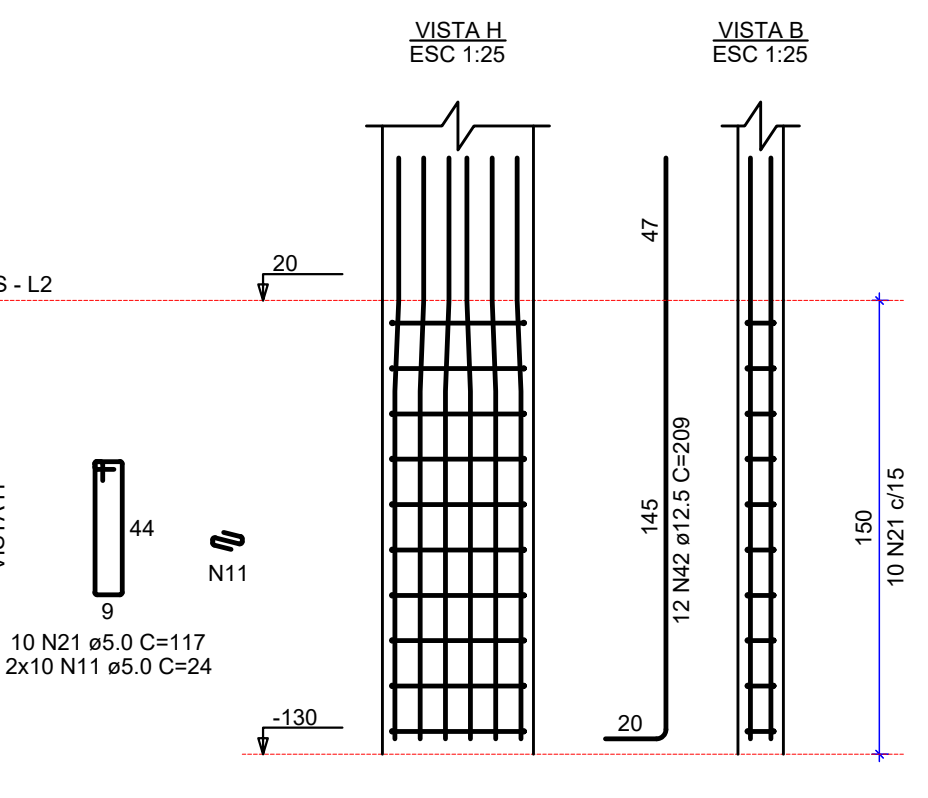
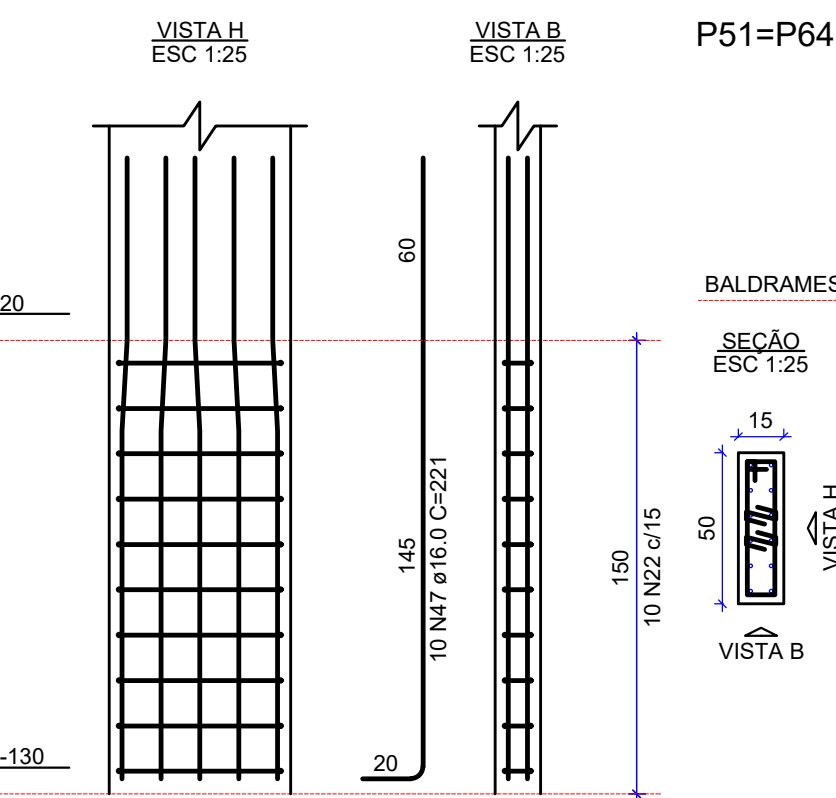
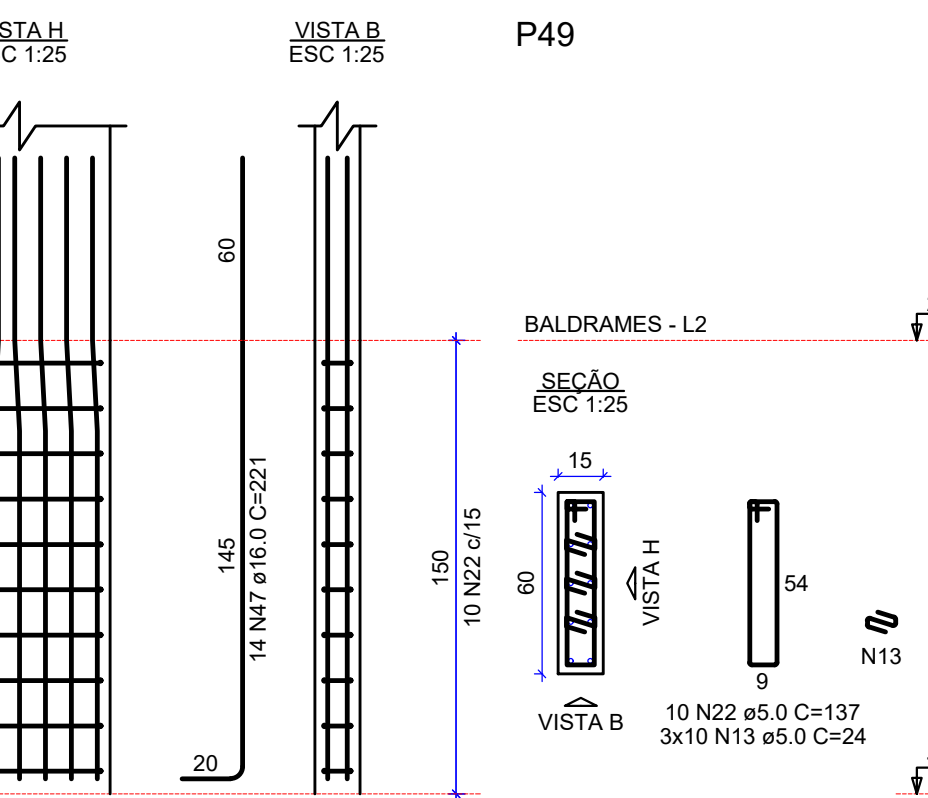
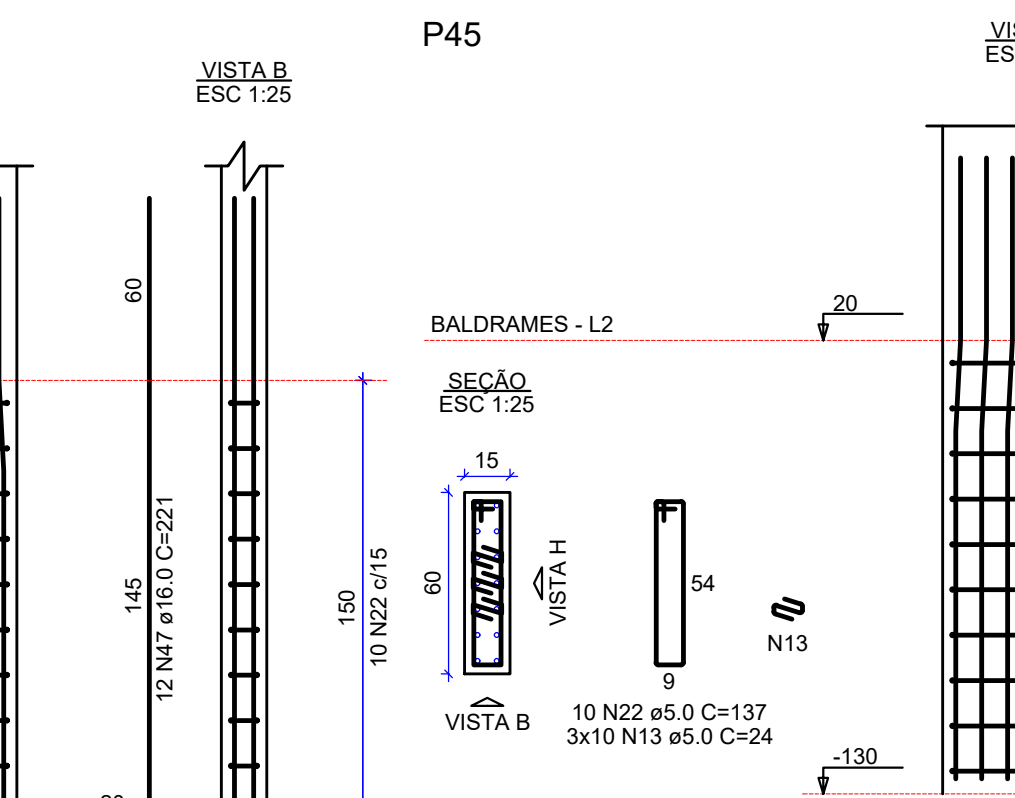
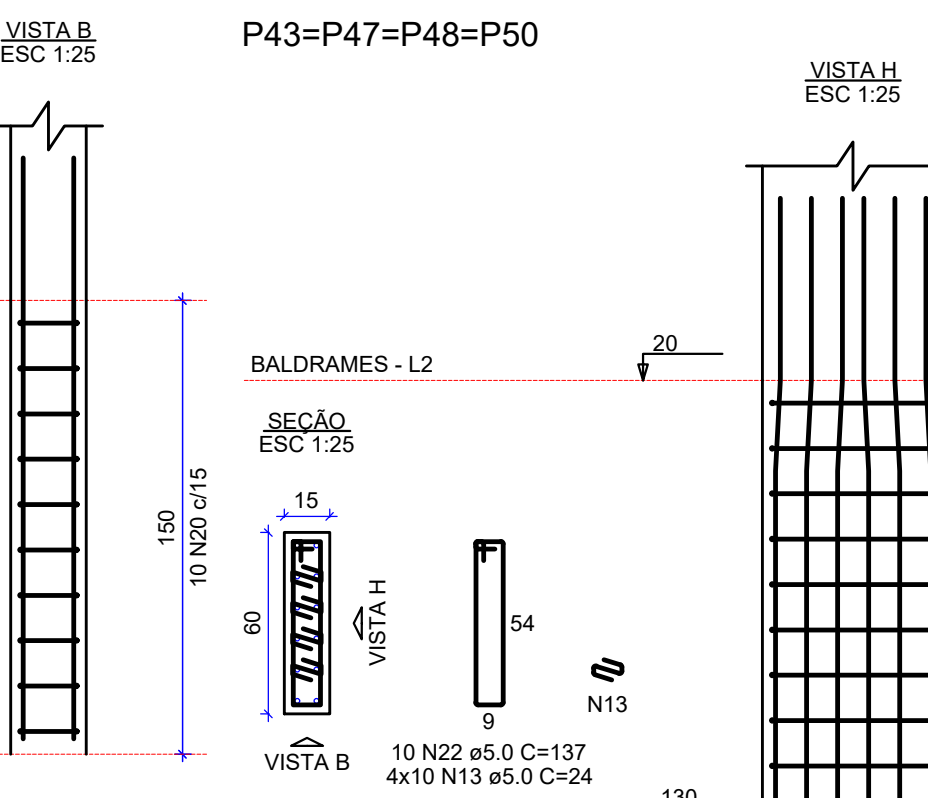
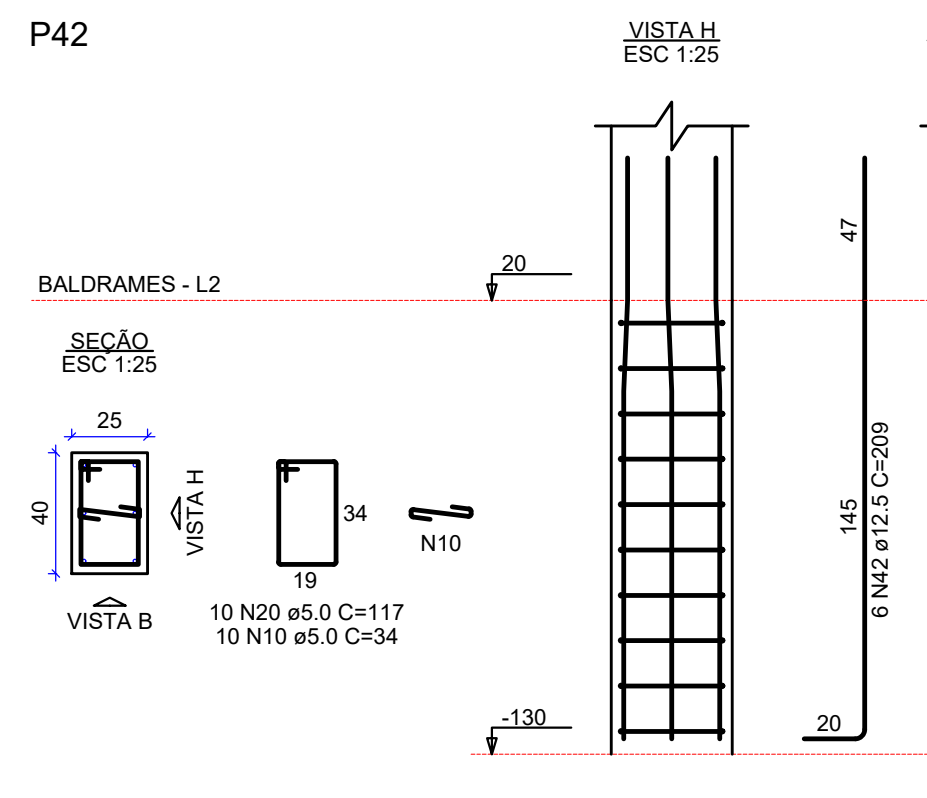
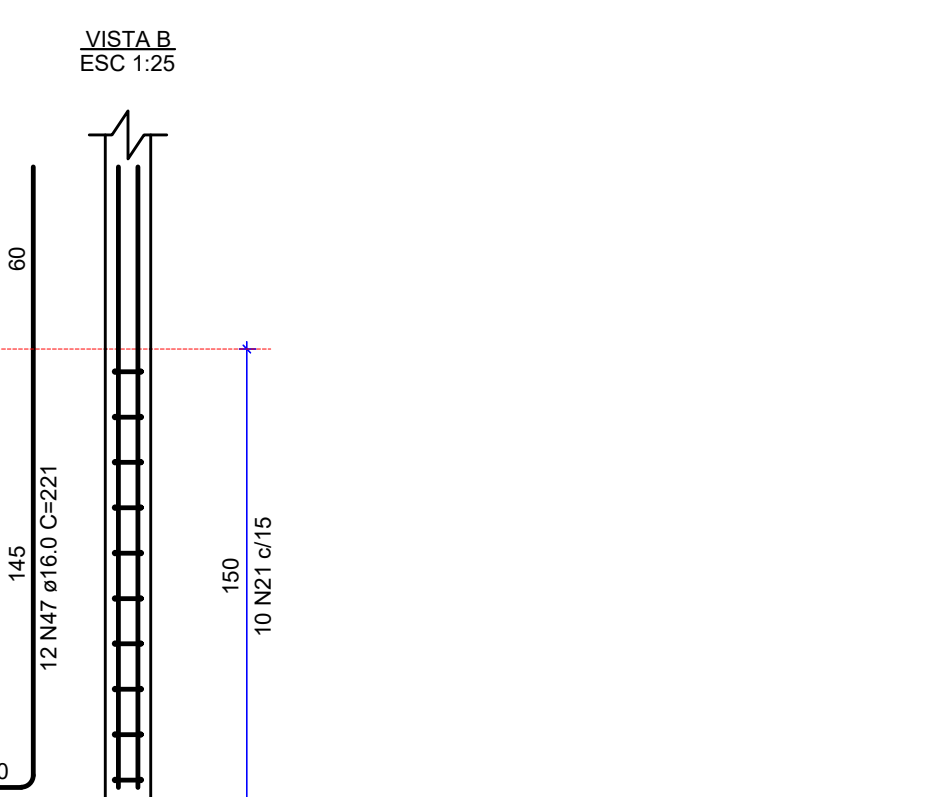
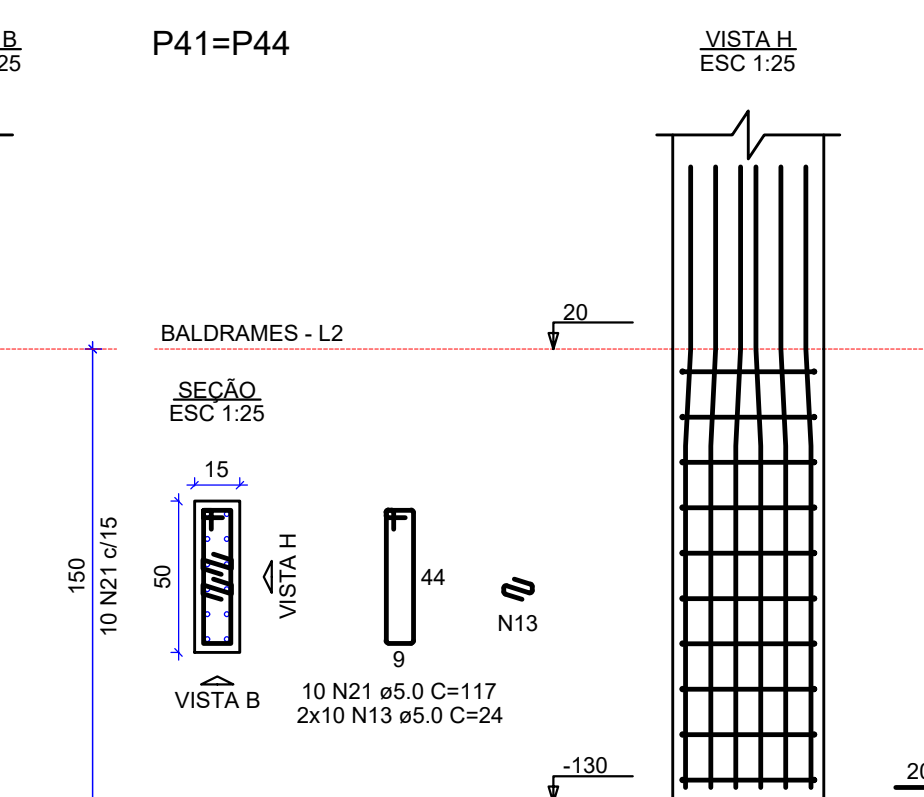
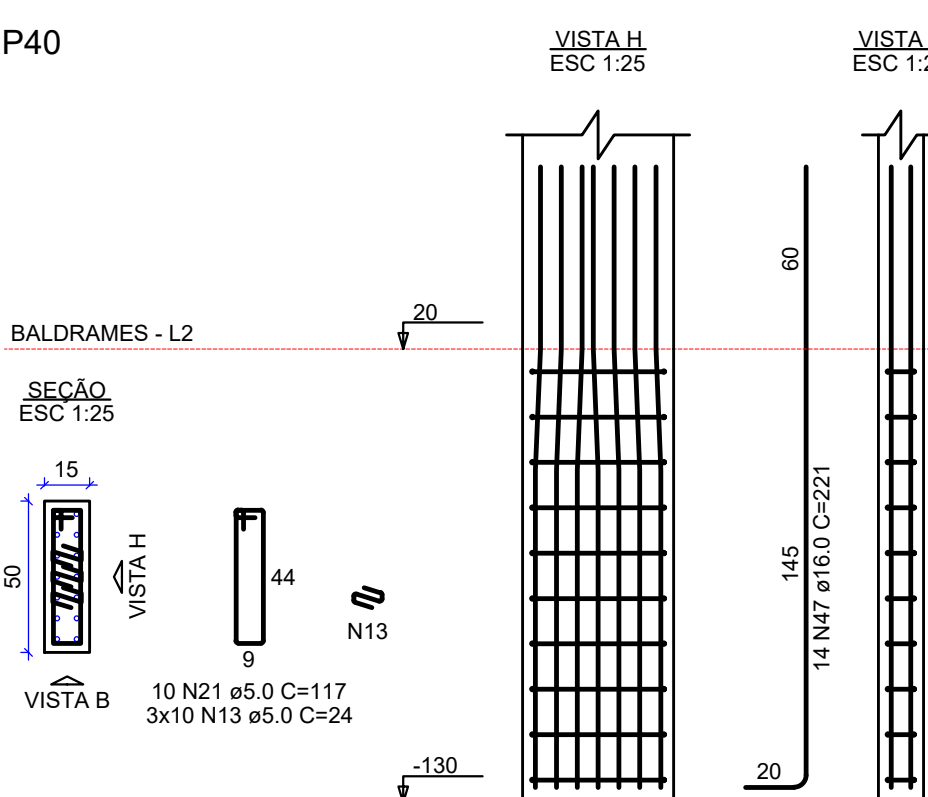
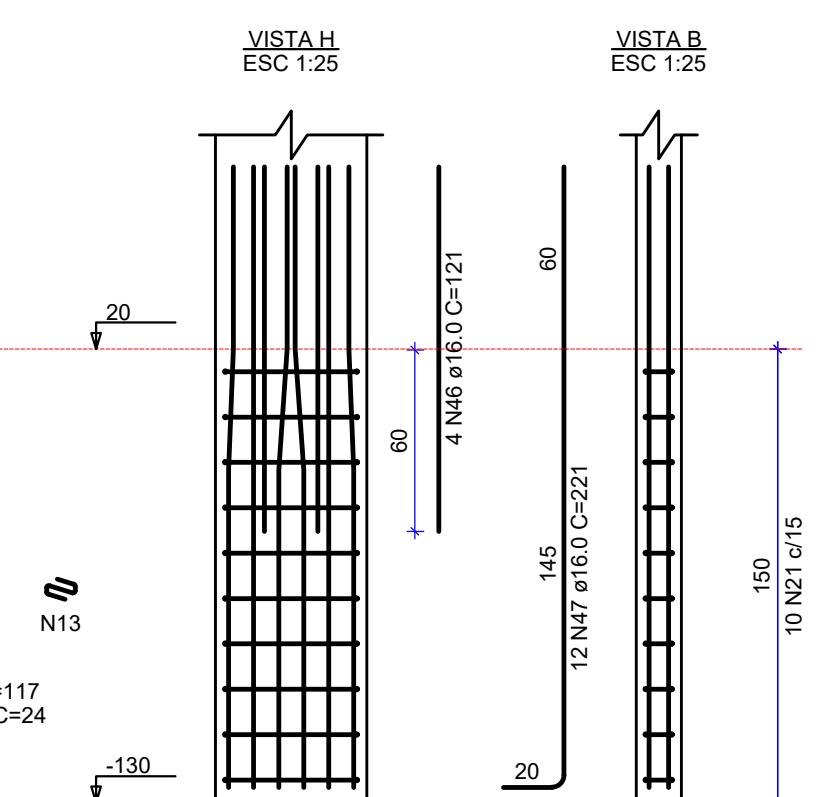
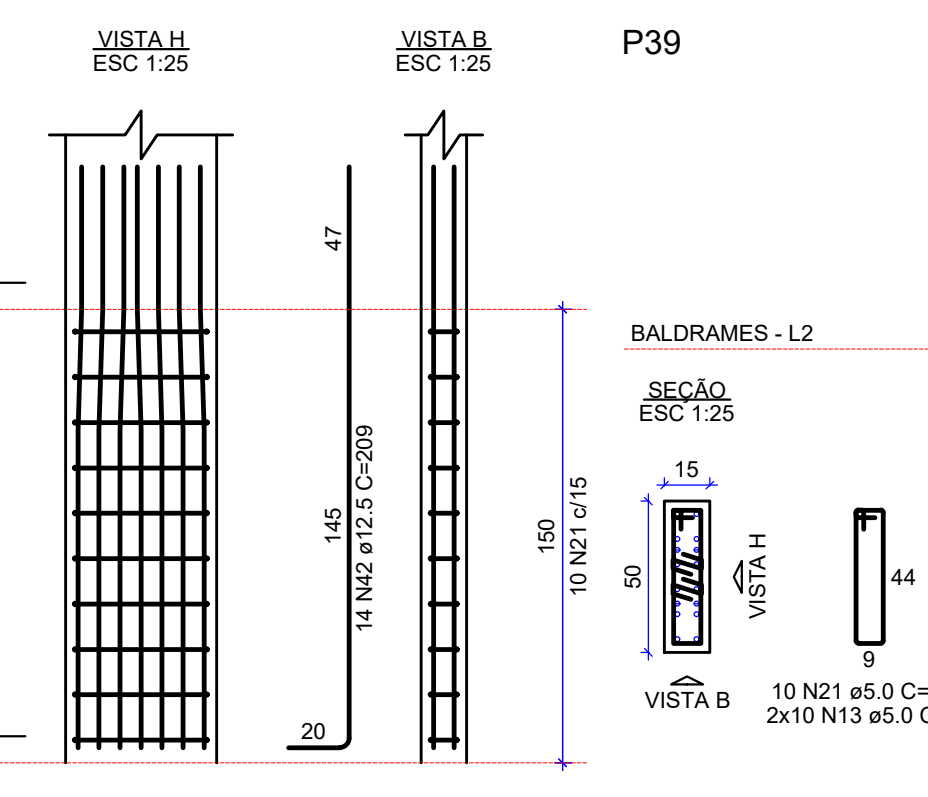
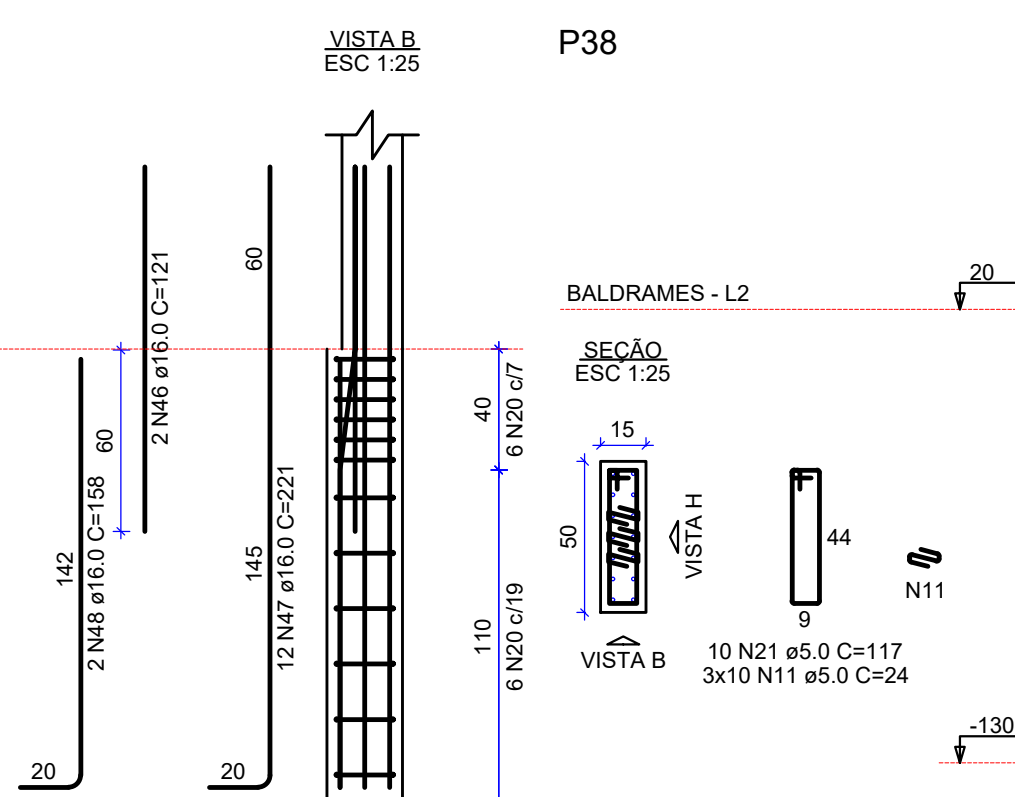
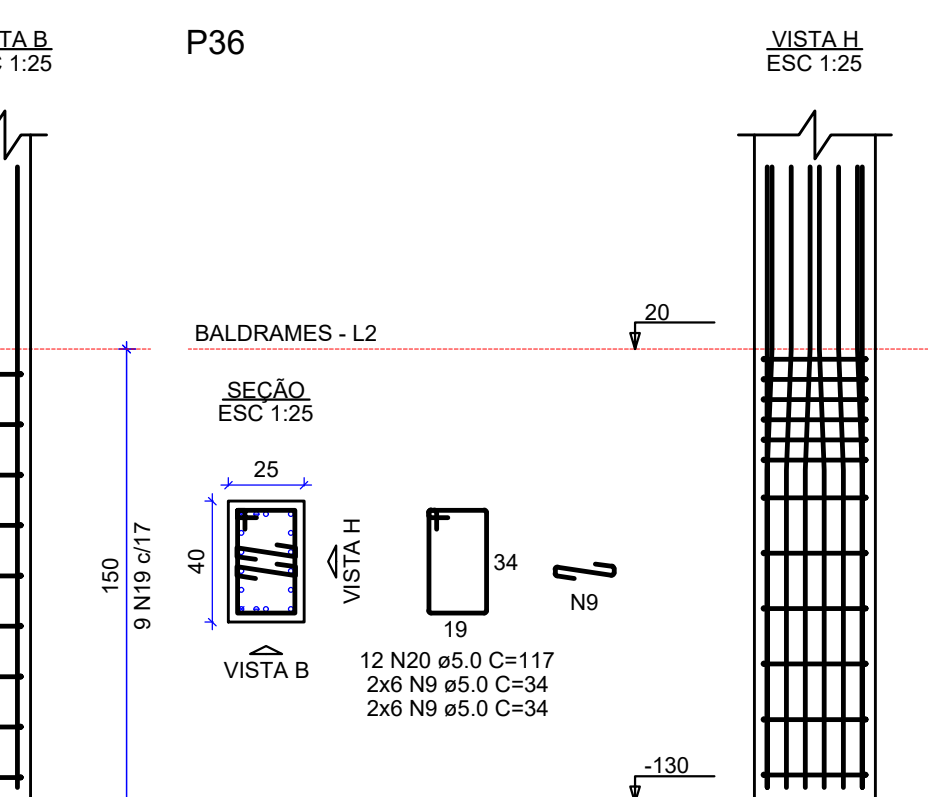
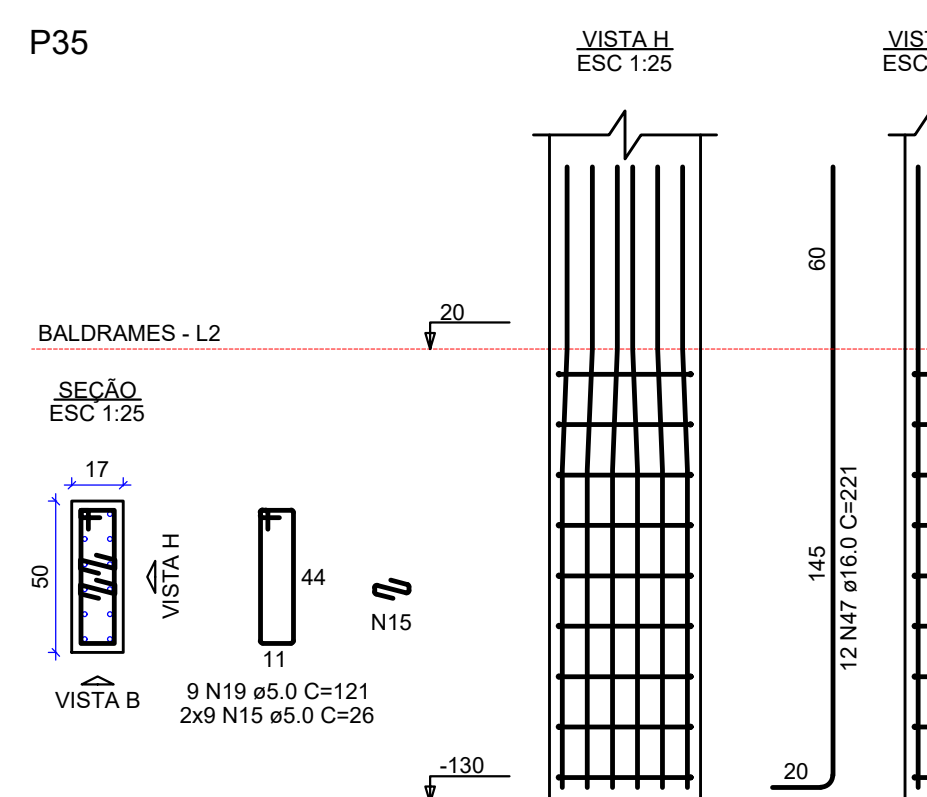
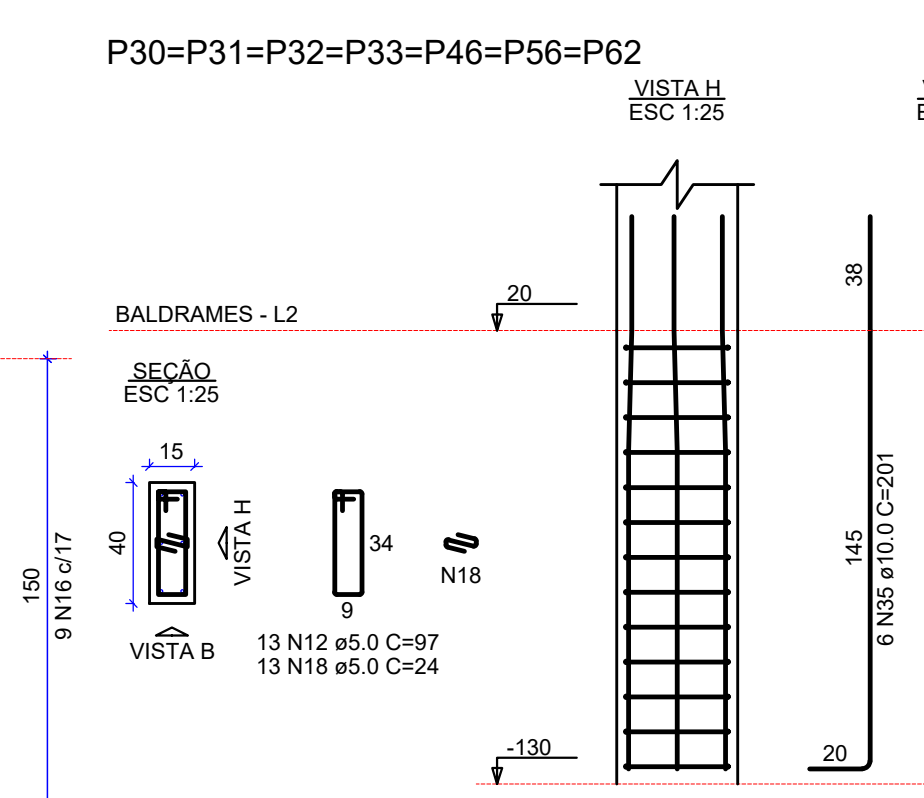
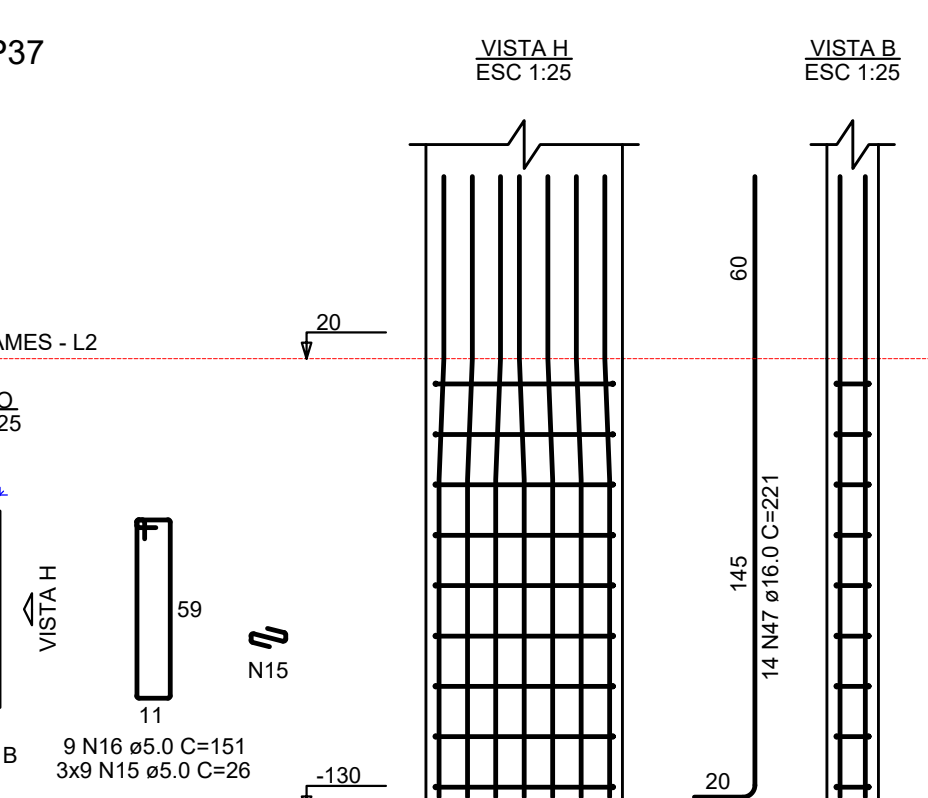
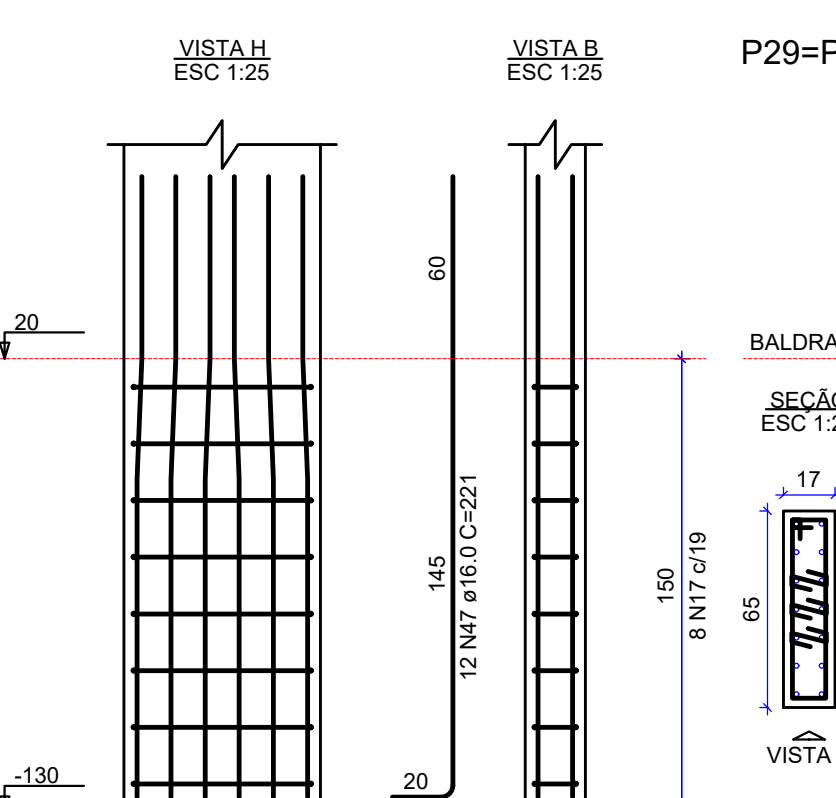
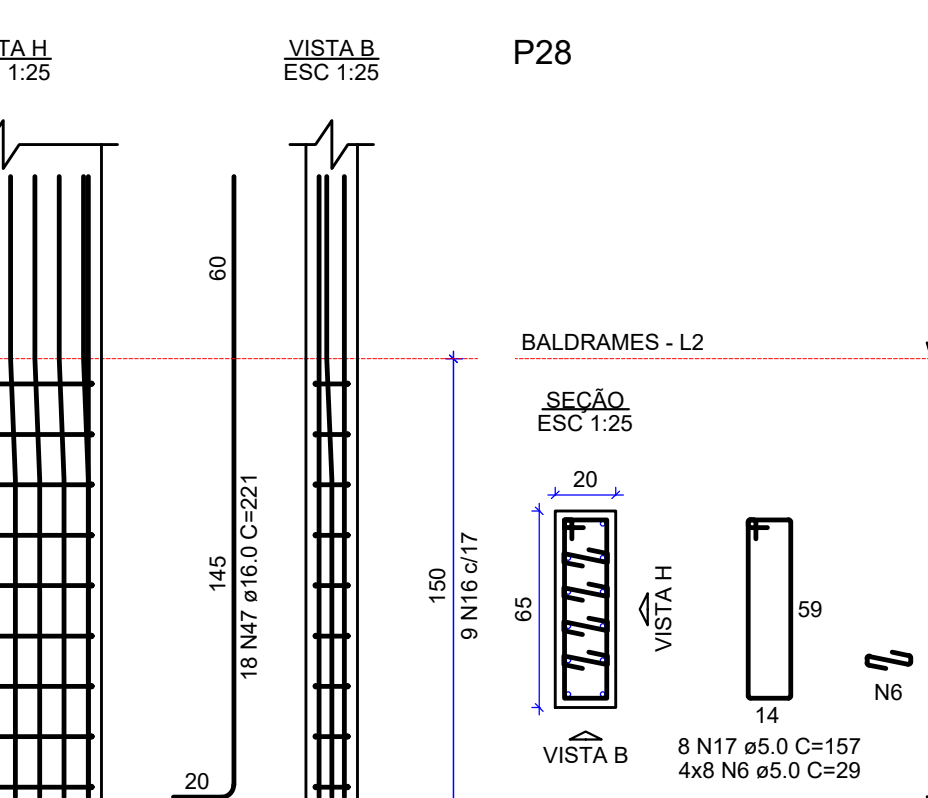
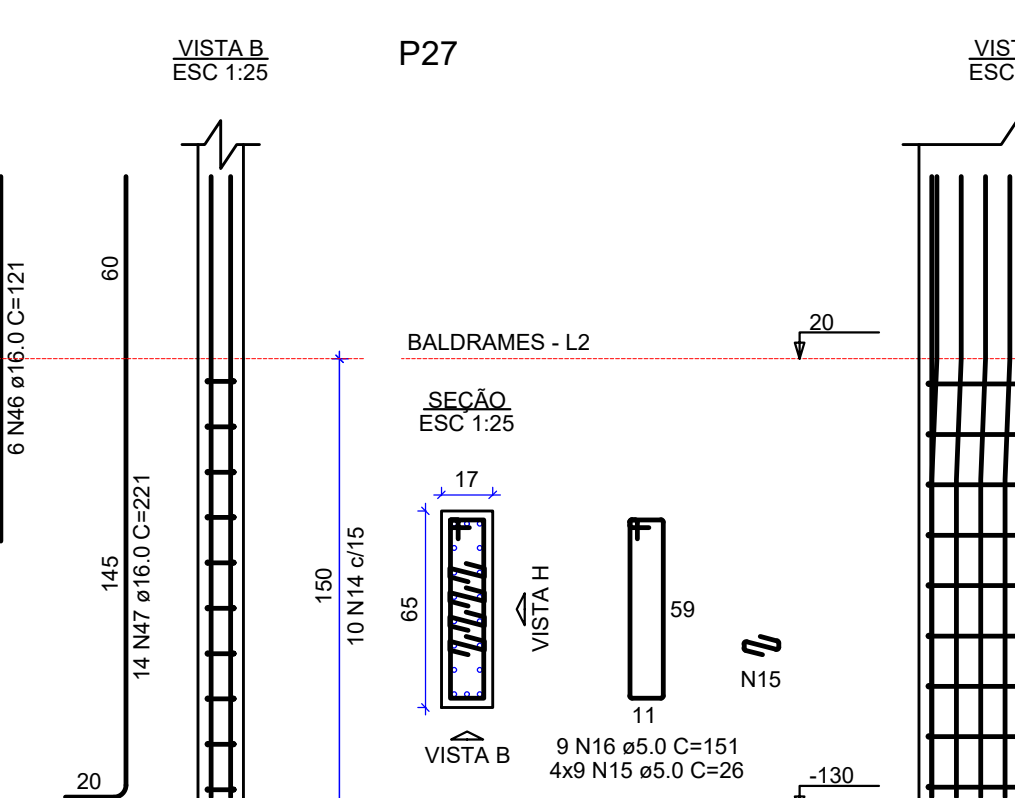
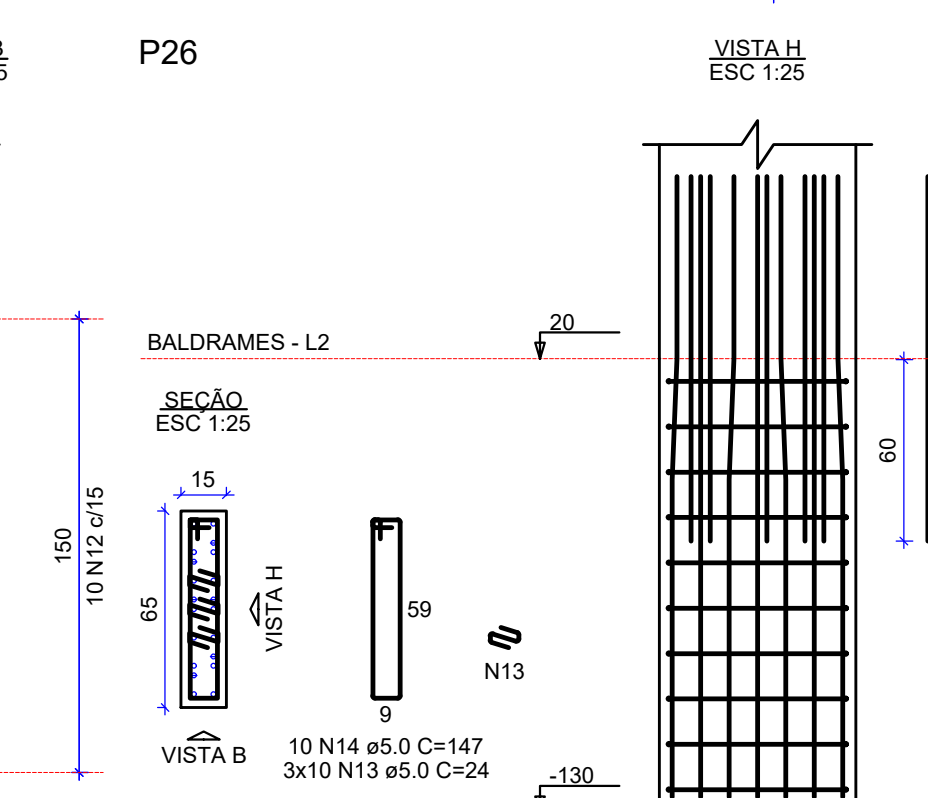
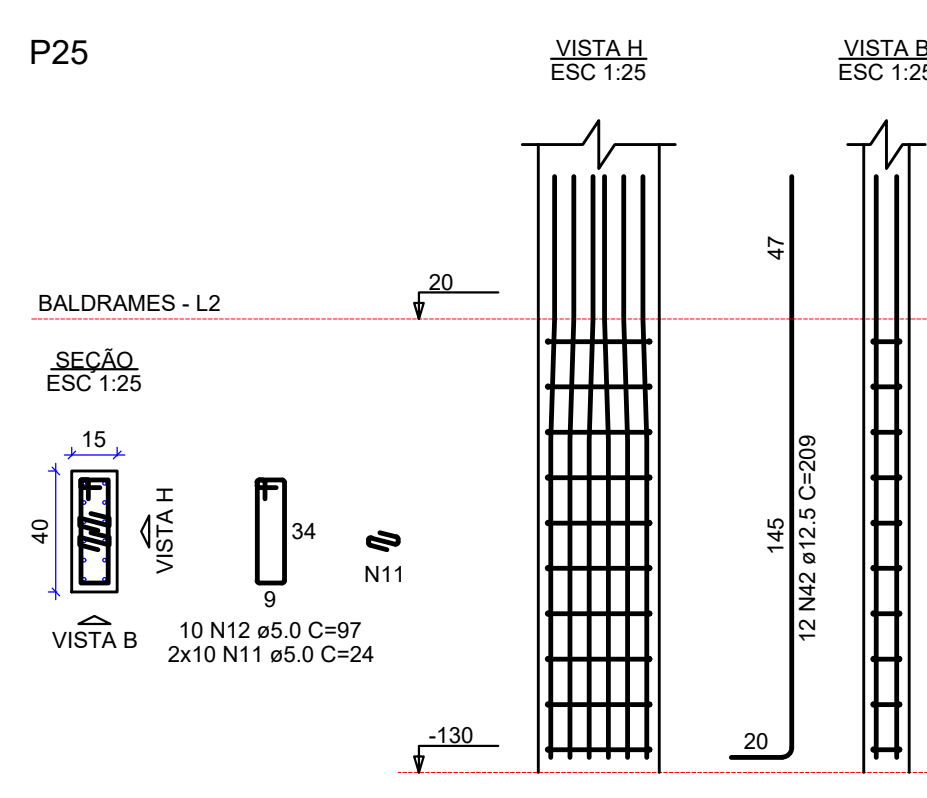


RELAÇÃO DO AÇO					
ACO	N	DIAM (mm)	QUANT	CUMUL	C.TOTAL (cm)
CA60	1	6.3	507	507	47151
	2	5.0	38	29	1102
	3	5.0	34	63	3638
	4	5.0	13	76	377
	5	5.0	31	107	3937
	6	5.0	74	181	2146
	8	5.0	515	137	70555
	9	5.0	854	34	4012
	10	5.0	145	34	4930
	11	5.0	80	24	2160
	12	5.0	157	97	15229
	13	5.0	380	28	4360
	14	5.0	10	147	1470
	15	5.0	108	28	2868
	16	5.0	27	151	4077
	17	5.0	8	157	1256
	18	5.0	117	24	2808
	19	5.0	22	117	2574
	20	5.0	22	117	2574
	21	5.0	70	117	8150
	22	5.0	60	137	8220
	23	5.0	10	167	1670
	24	5.0	13	77	1001
	25	5.0	40	28	1040
	26	6.3	10	25	250
	27	6.3	10	118	1180
	28	10.0	238	190	38240
	29	10.0	6	147	852
	30	10.0	12	297	3564
	31	10.0	8	397	3175
	32	10.0	2	75	150
	33	10.0	4	438	1752
	34	10.0	6	93	558
	35	10.0	52	201	12462
	36	12.5	2	94	188
	37	12.5	12	147	1764
	38	12.5	10	247	2470
	39	12.5	6	247	1462
	40	12.5	8	447	3576
	41	12.5	24	397	6528
	42	12.5	72	209	15048
	43	16.0	10	310	3100
	44	16.0	10	347	3470
	45	16.0	190	397	74340
	46	16.0	14	121	1694
	47	16.0	276	221	6096
	48	16.0	6	158	948



RESUMO DO AÇO			
ACO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	14.3	3.8
	10.0	607.8	412.2
	12.5	340.6	360.8
	16.0	1456.4	2528.5
	5.0	2202.7	393.5
PESO TOTAL (kg)			
CA50		3205.5	
CA60		393.5	

Volume de concreto (C-25) = 16.86 m³  
Área de forma = 223.75 m²



**PROJETO DE ESTRUTURA EXECUTIVA**

CLIENTE: **PREFEITURA DE CONCEIÇÃO DO CASTELO - ES**  
CNPJ: 27.165.570/0001-98

TÍTULO: **RECONSTRUÇÃO DA EMEF MATA FRIA E REFORMA DA QUADRA POLIESPORTIVA**

PROJETO: **CONCEIÇÃO DO CASTELO - ES, CEP: 29370-000**

COORDENADAS: 20°17'05.3"S 41°10'52.2"W

RESPONSÁVEL TÉCNICO: **Arquiteto e Urbanista Luiz Alberto Gonçalves Botelho** - CAU/PA/18163

ELABORADO: **FLAVIO N. BORGES** DATA: **DEZEMBRO/2023** CRIADO: **AO** REVISADO: **INDICADA** UNIDADE: **METRO** PROJETO: **EMEF MATA FRIA - ESTRUTURAL - R02.dwg**

Conteúdo: Planos

**FOLHA 14/28**