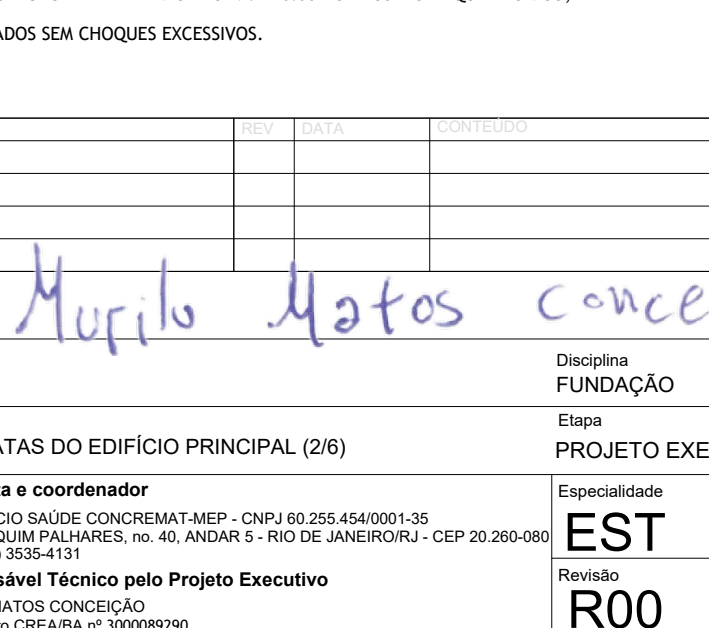
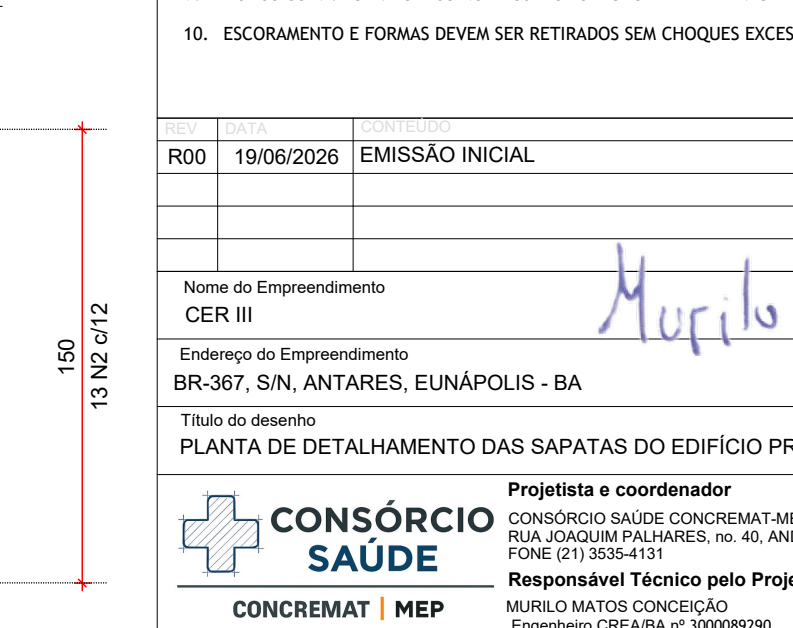
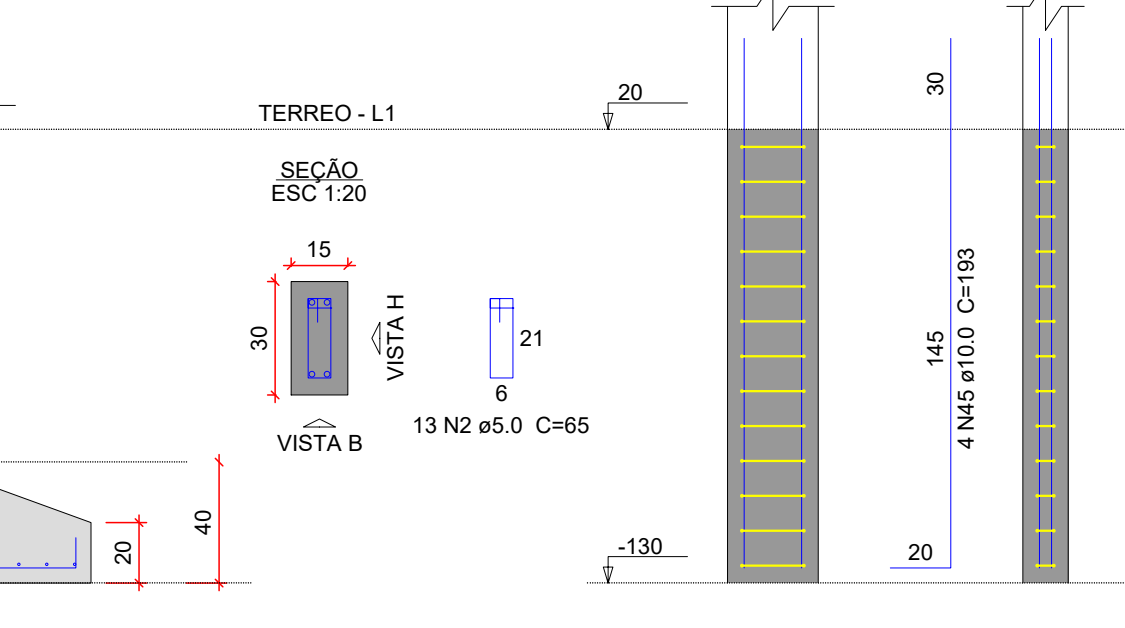
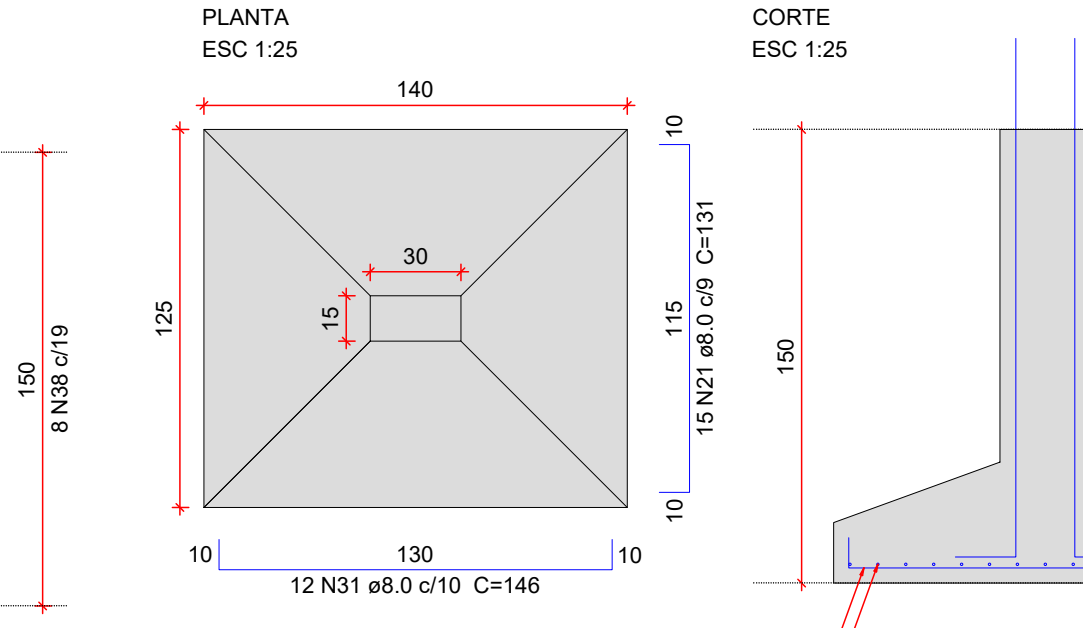
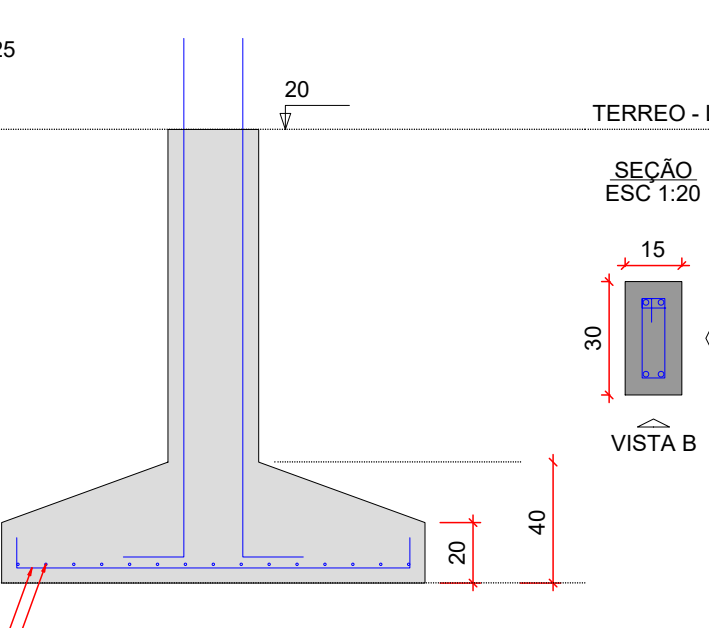
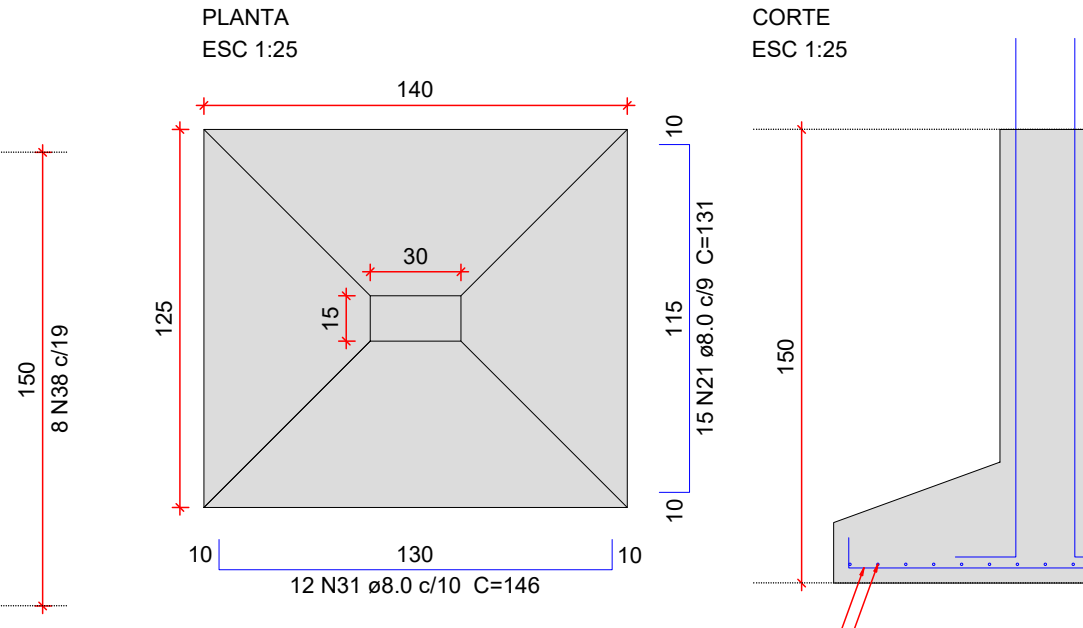
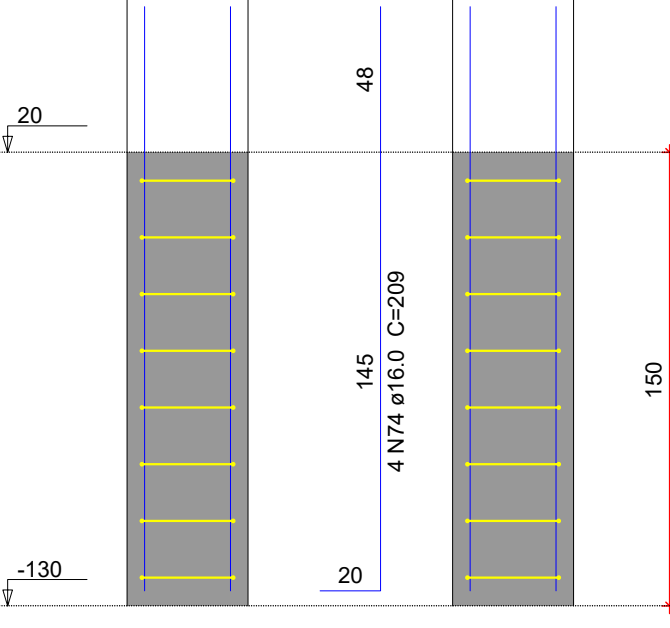
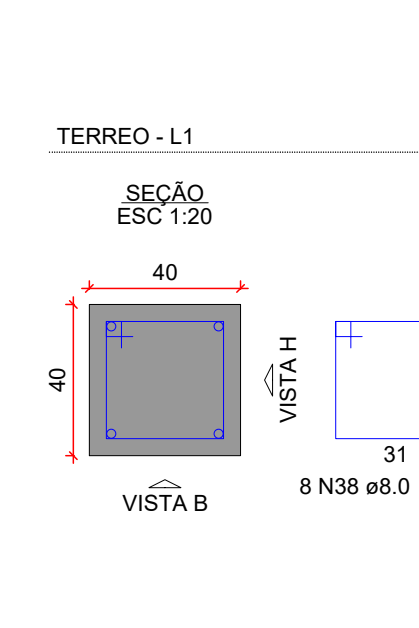
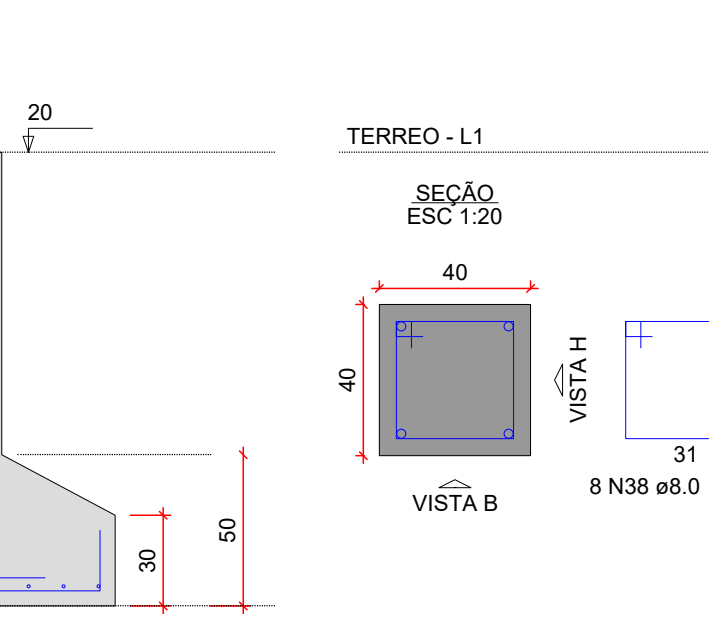
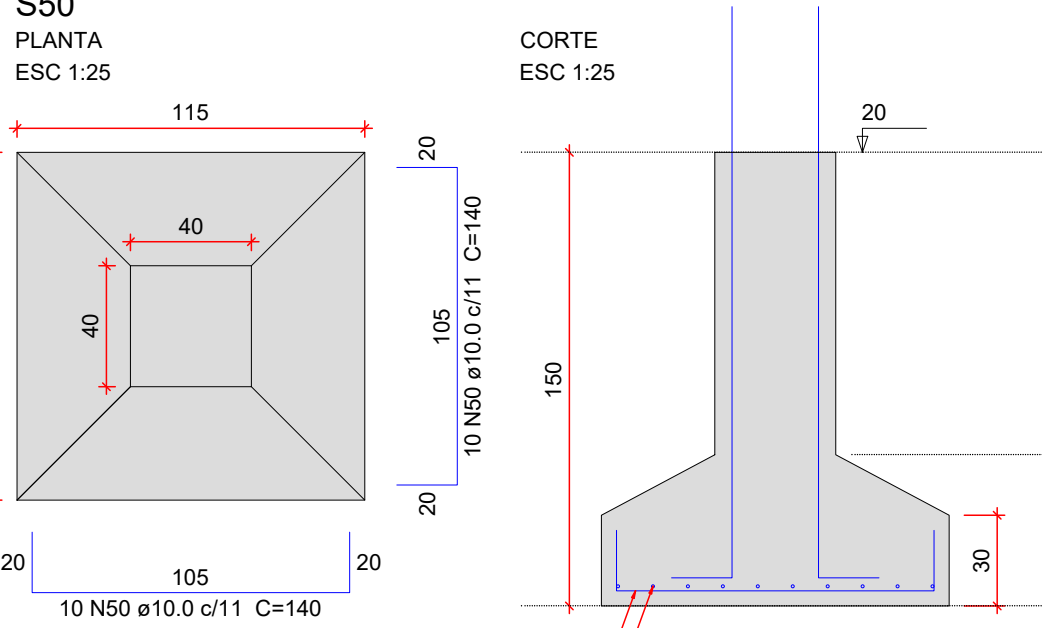
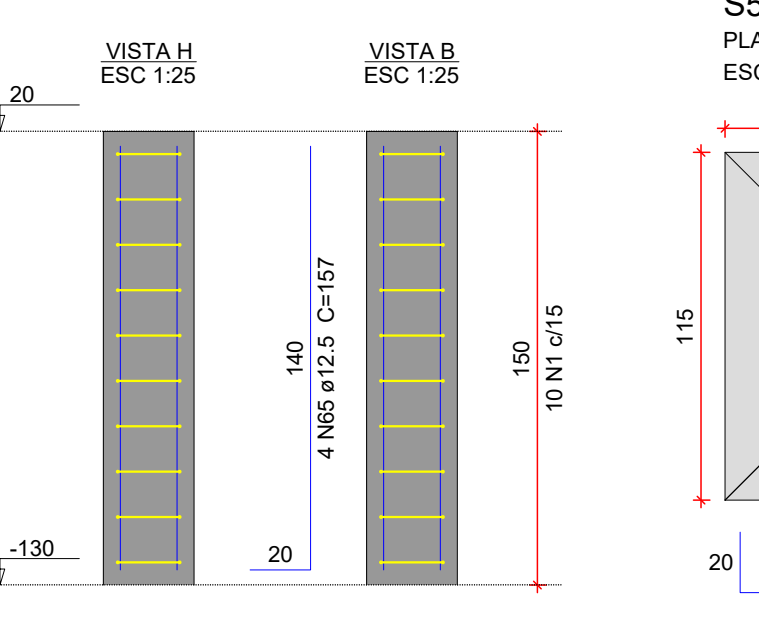
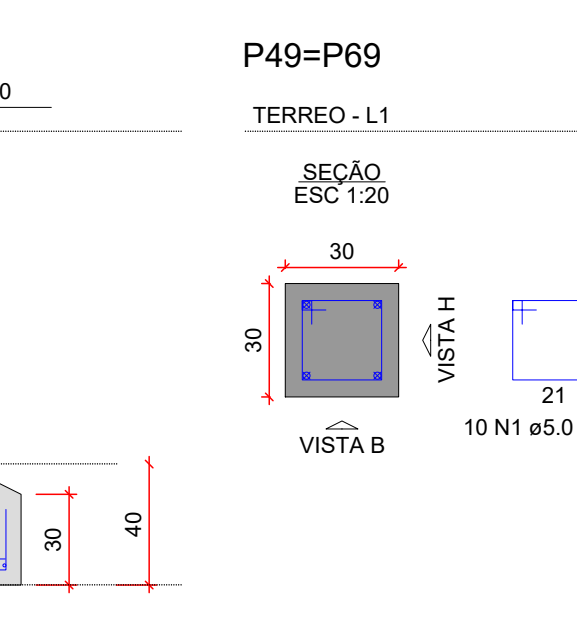
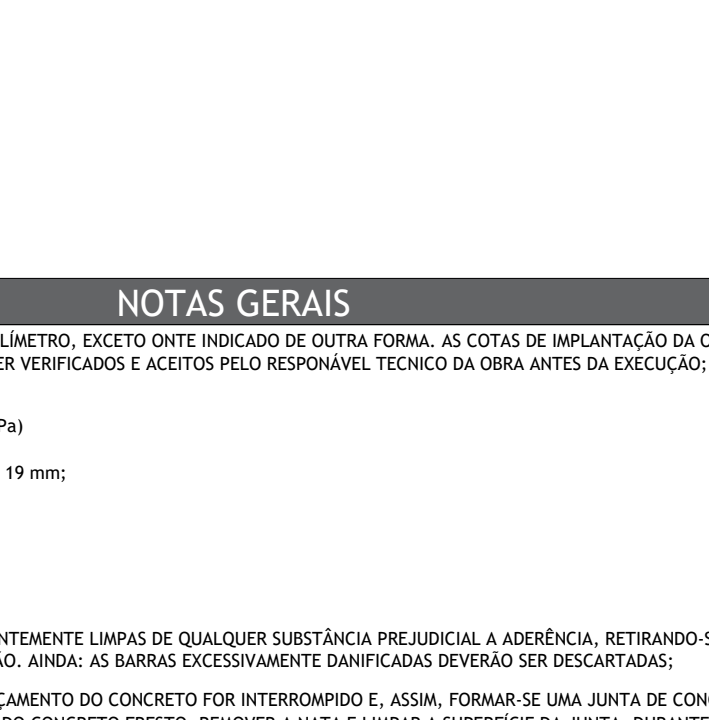
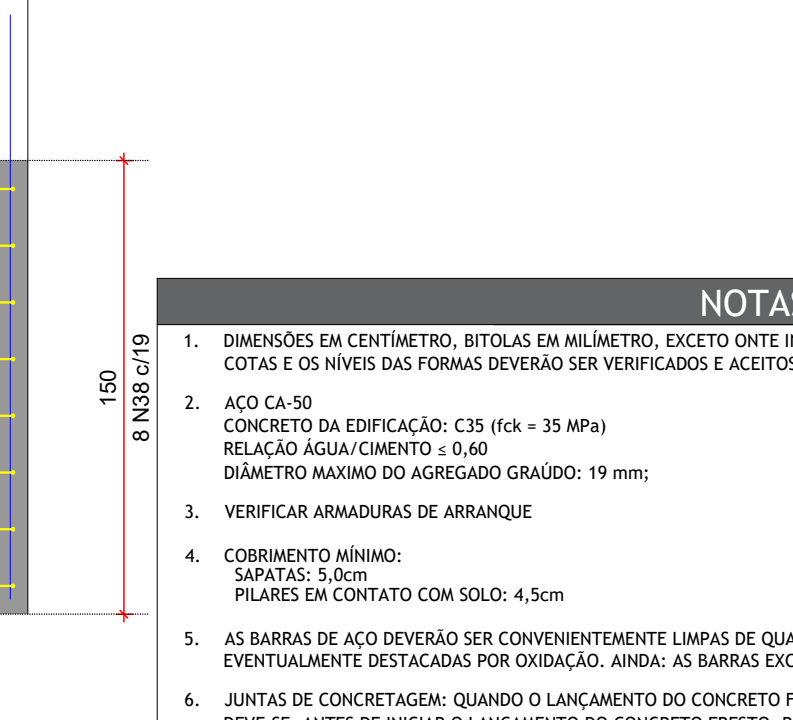
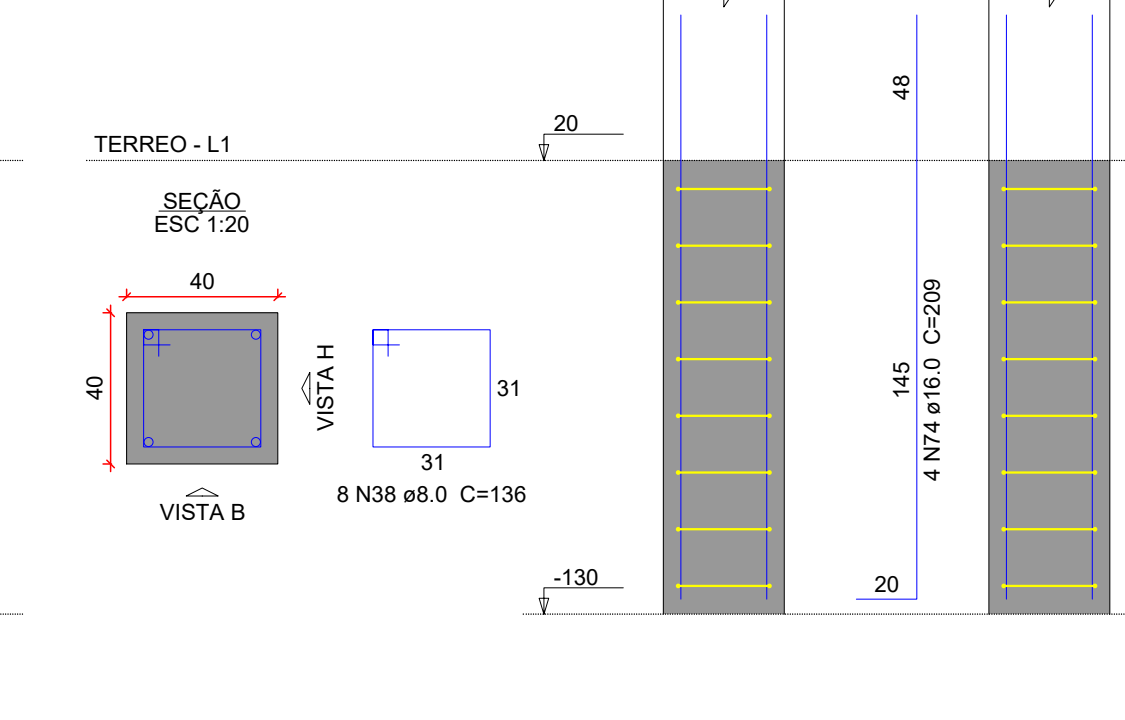
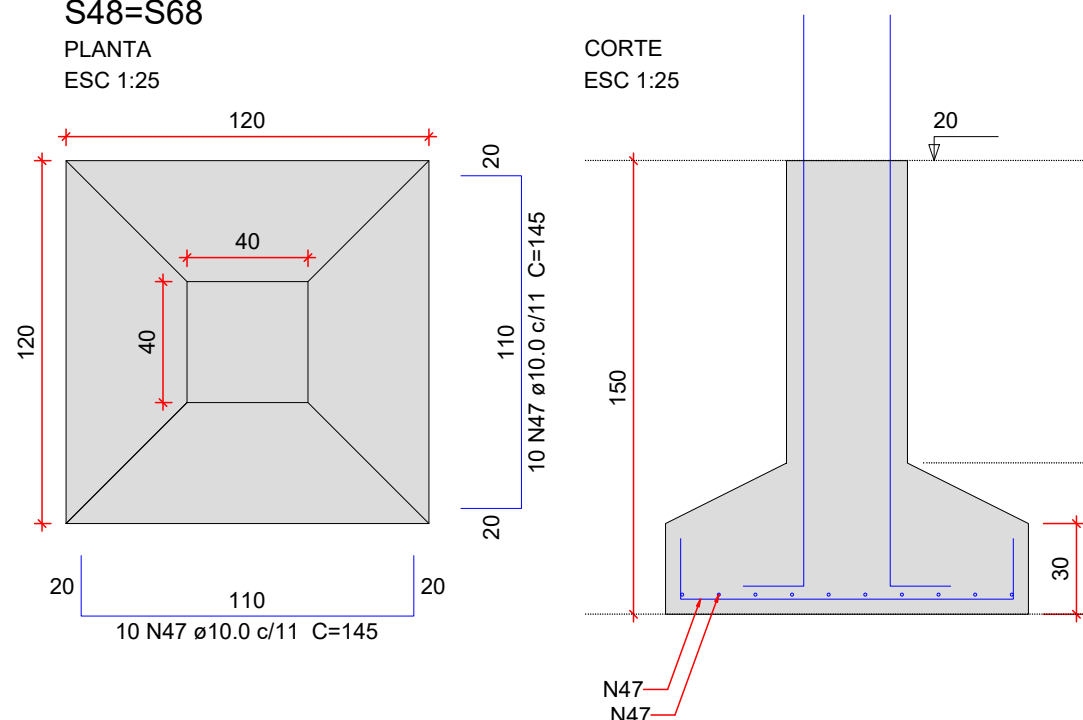
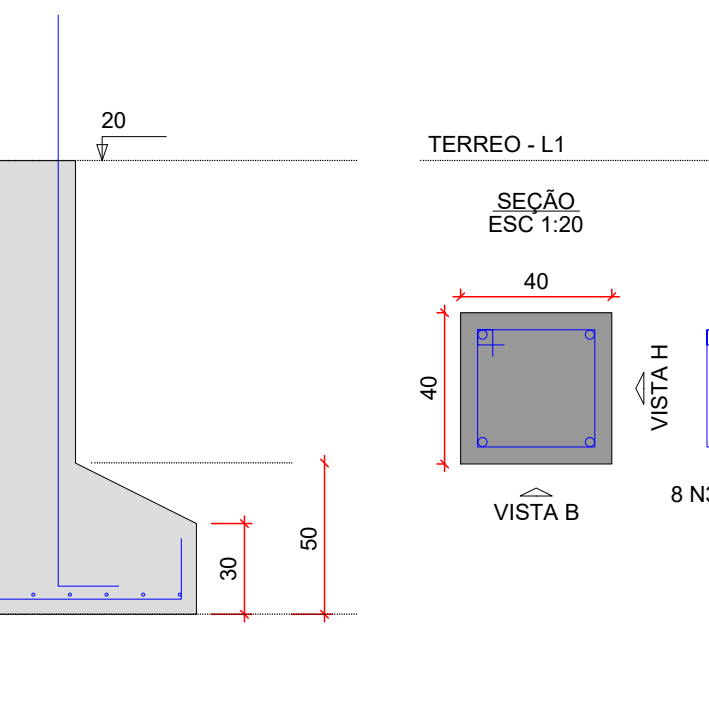
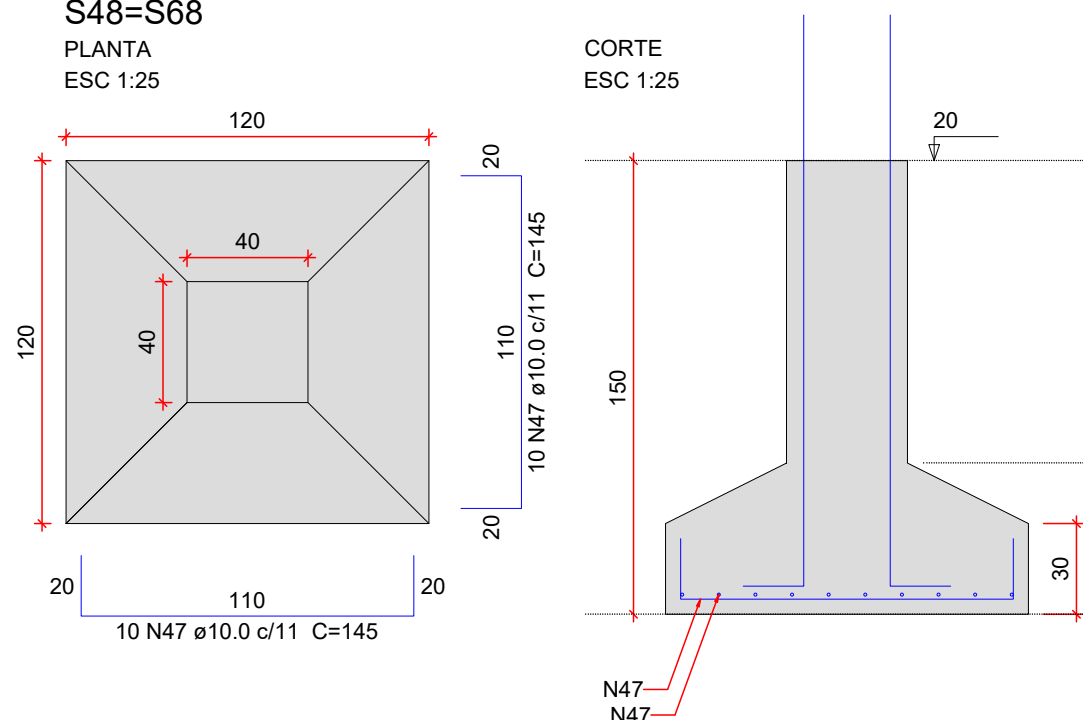
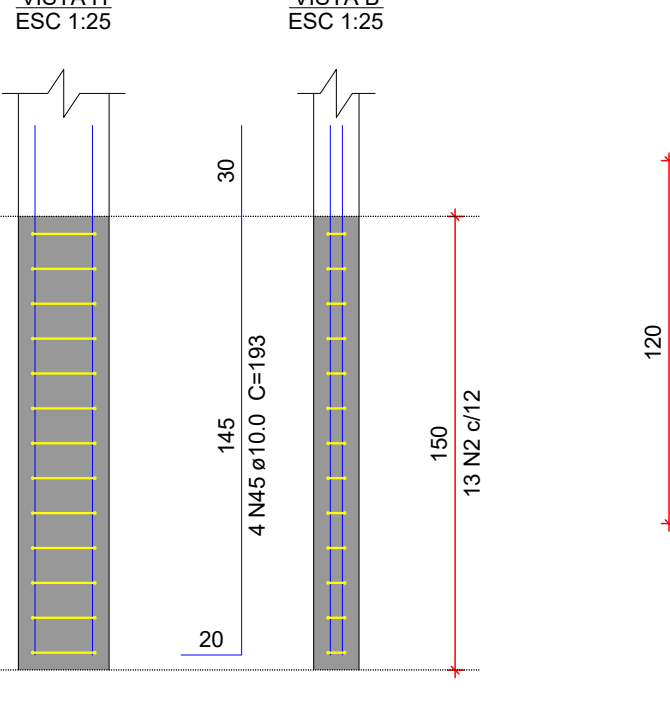
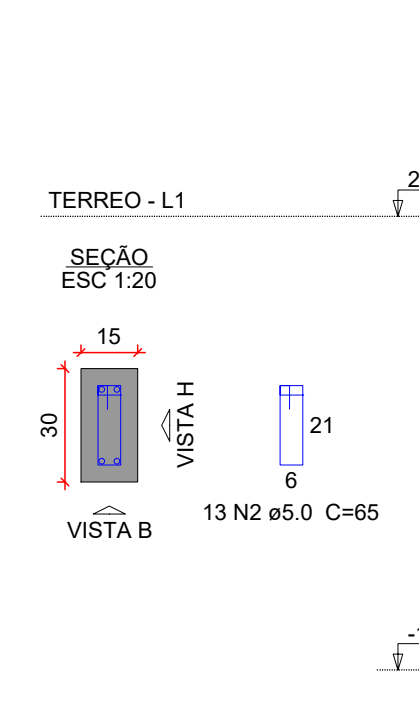
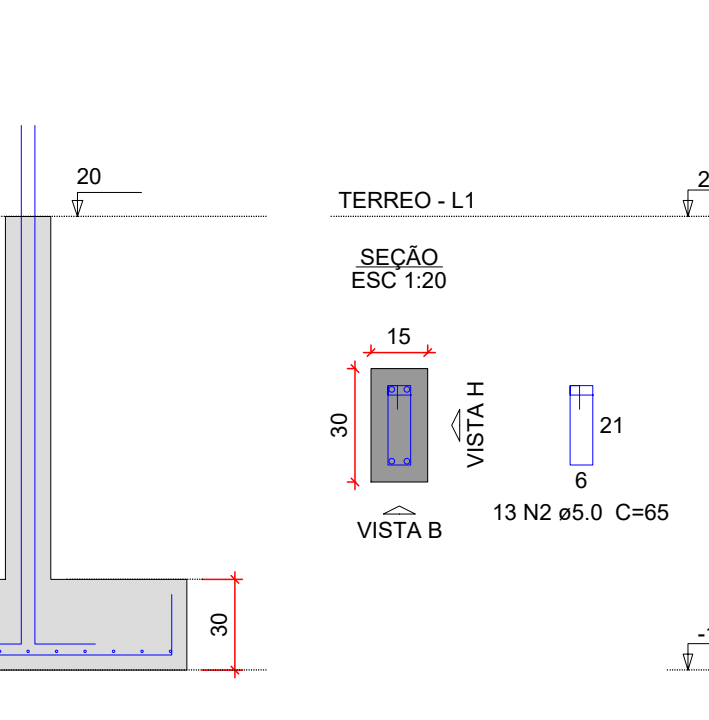
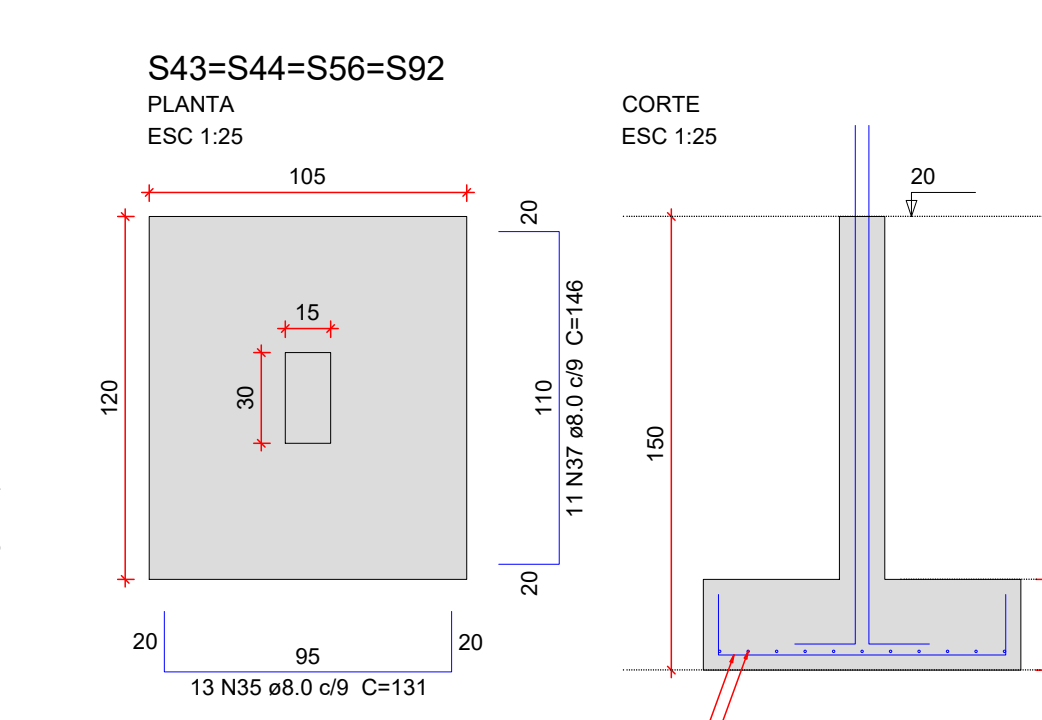
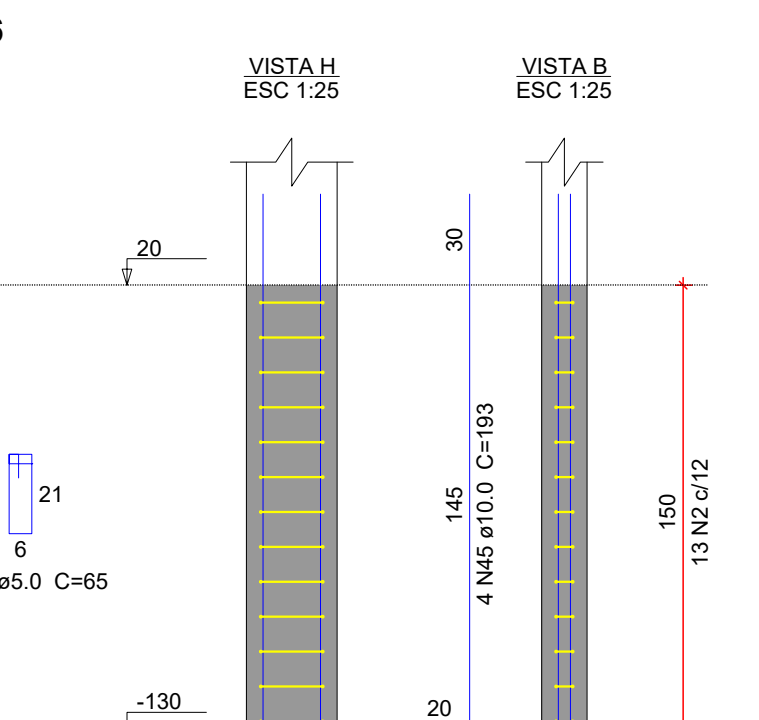
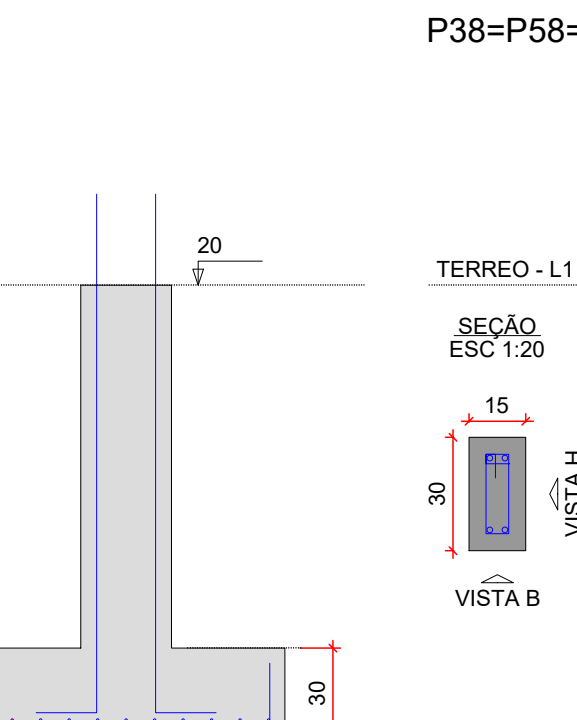
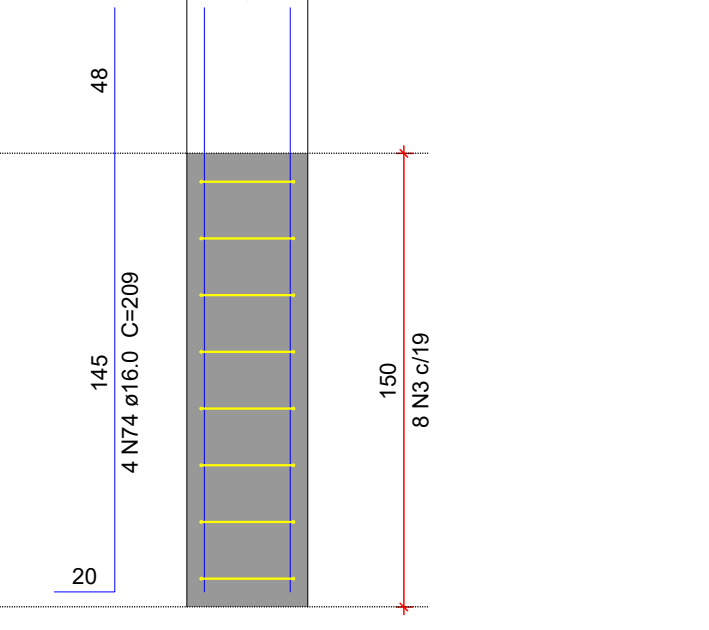
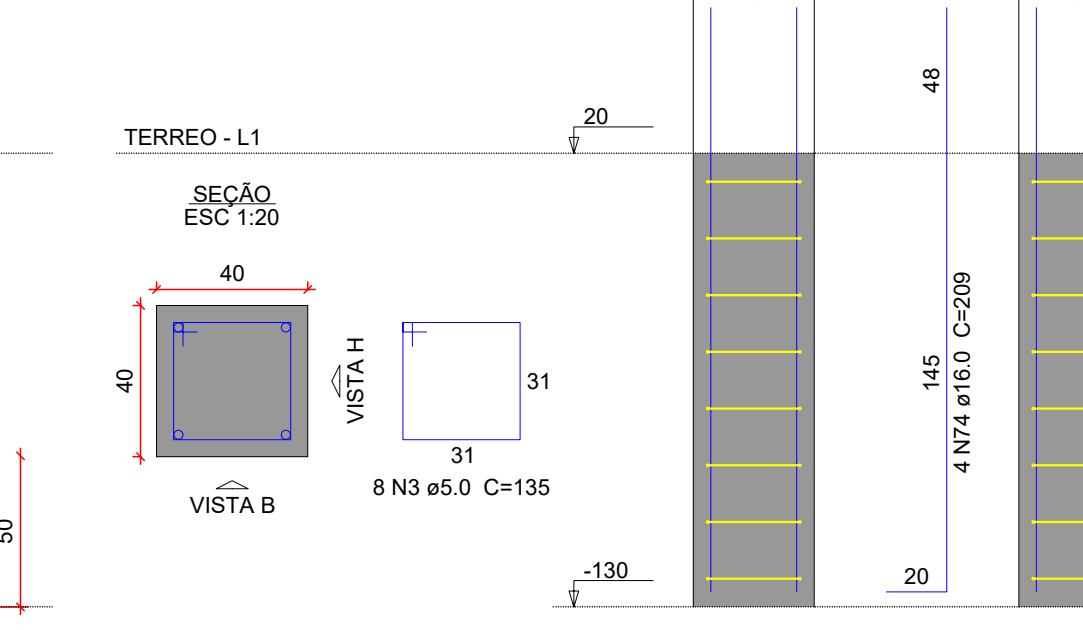
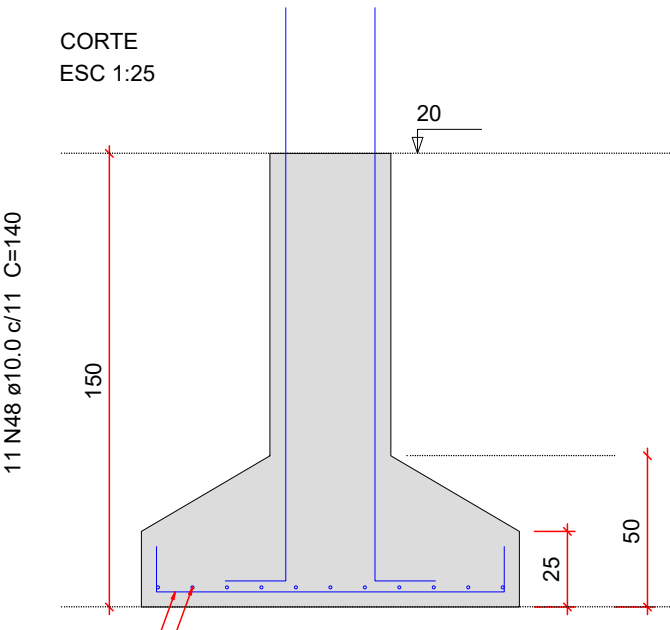
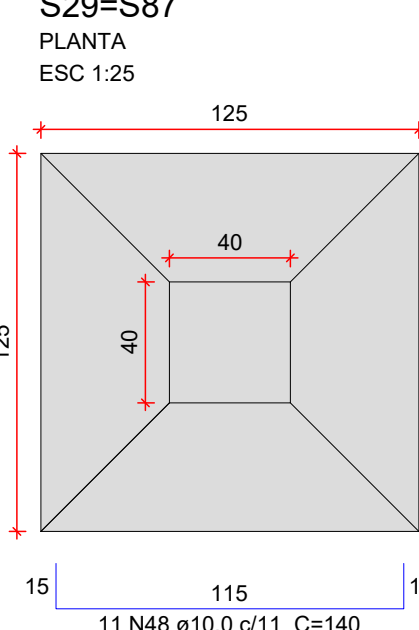
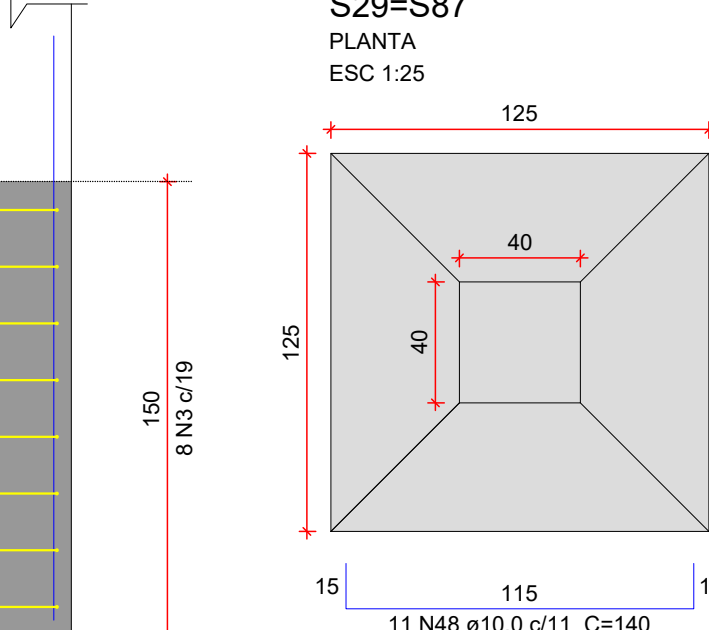
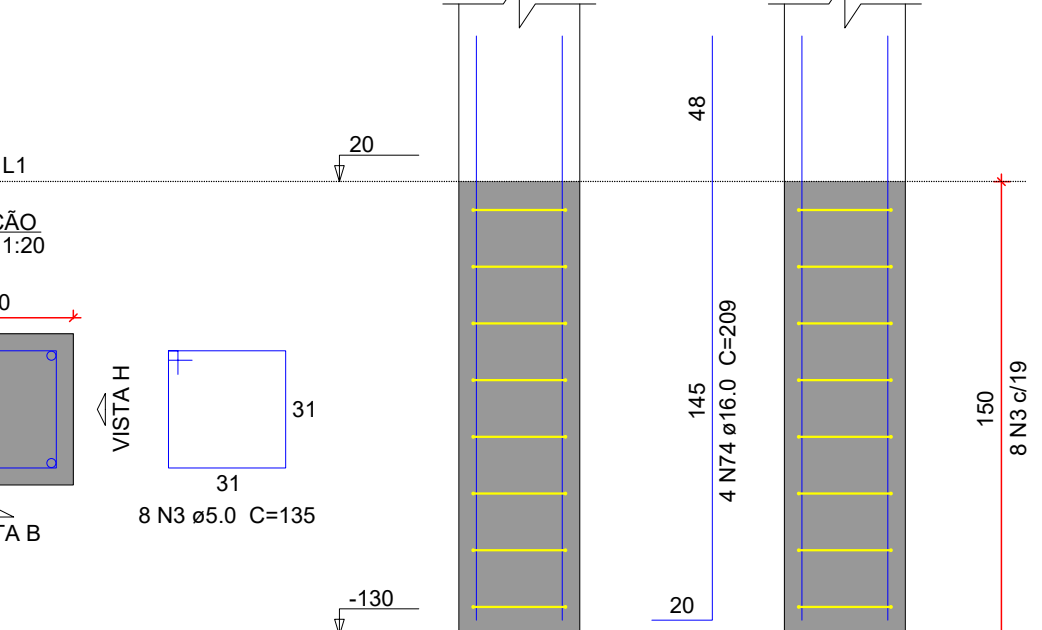
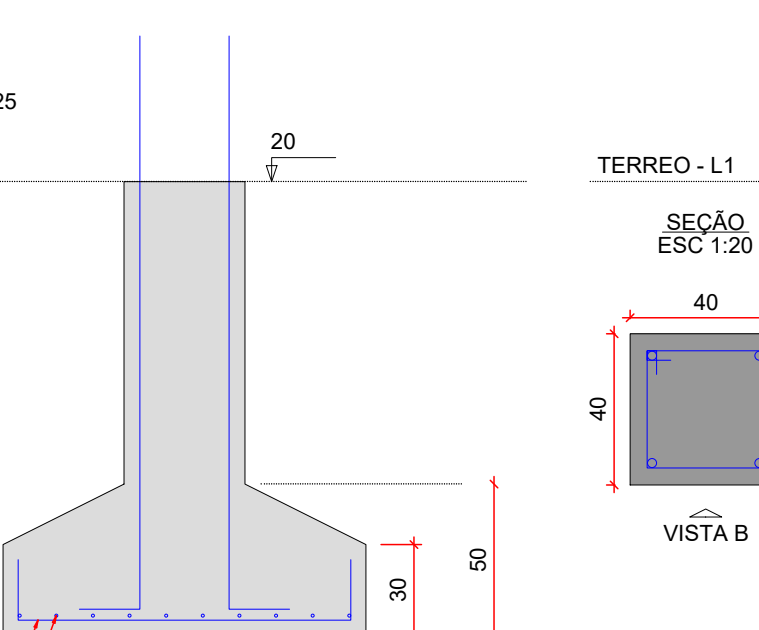
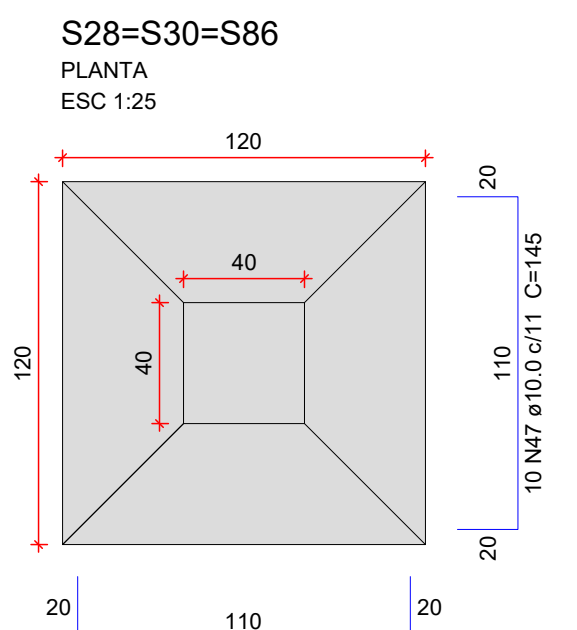
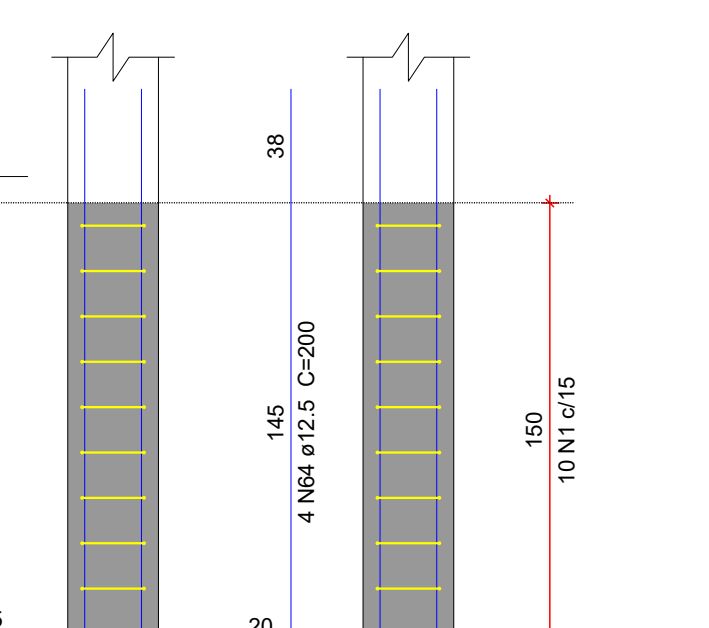
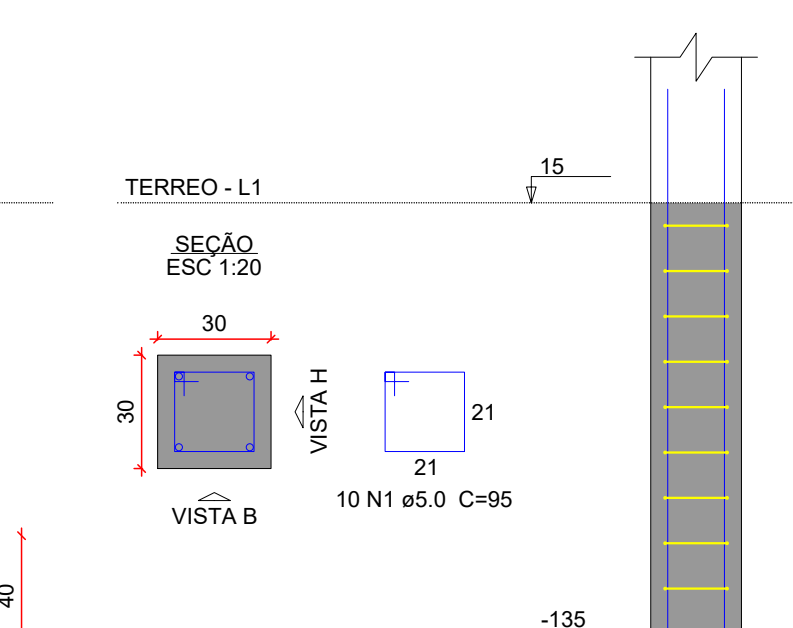
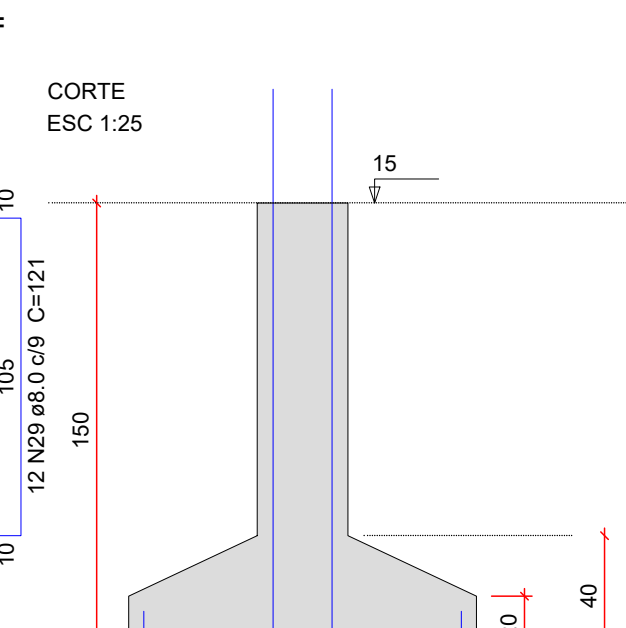
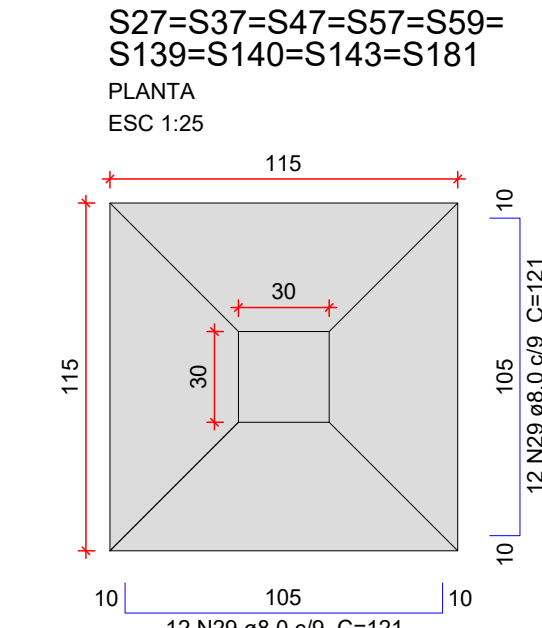
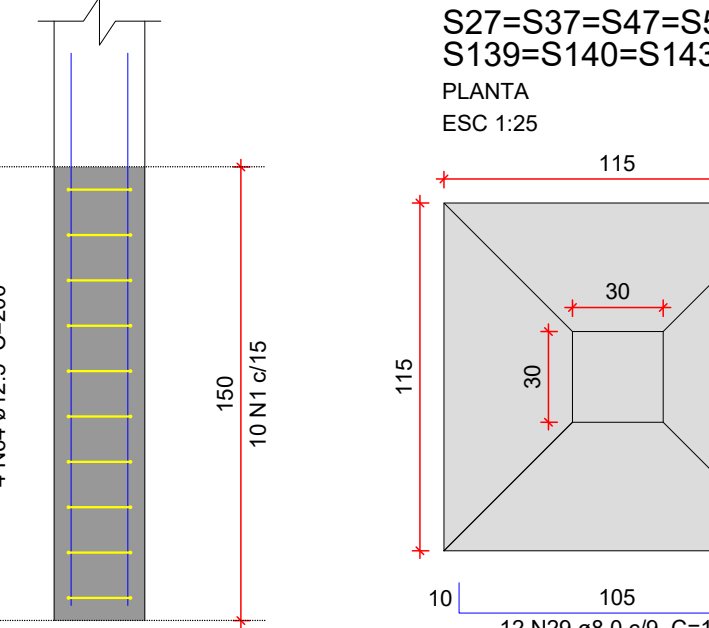
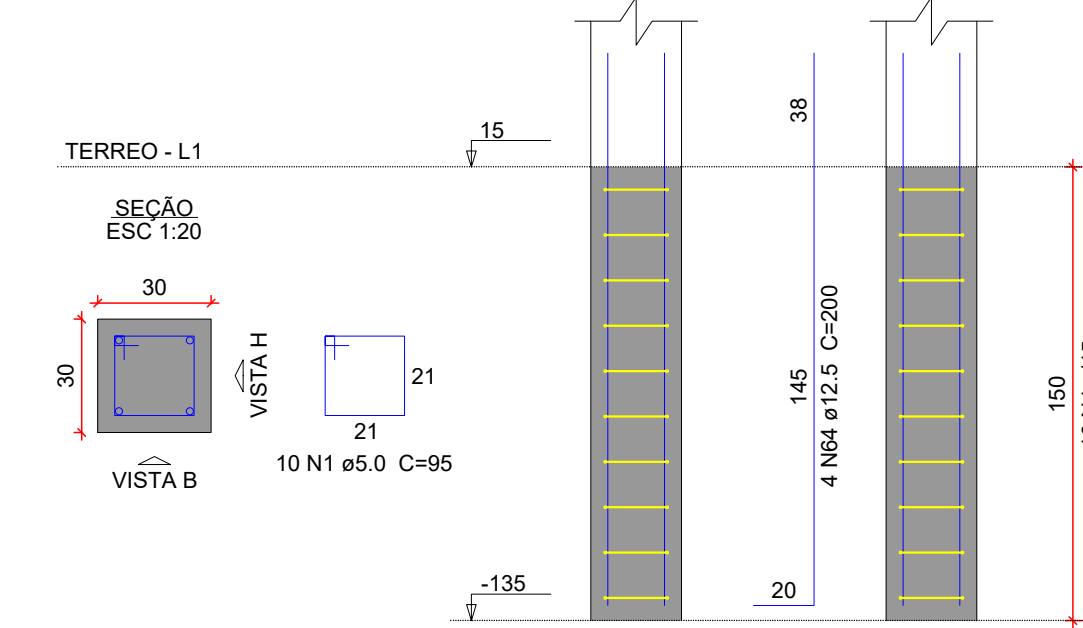
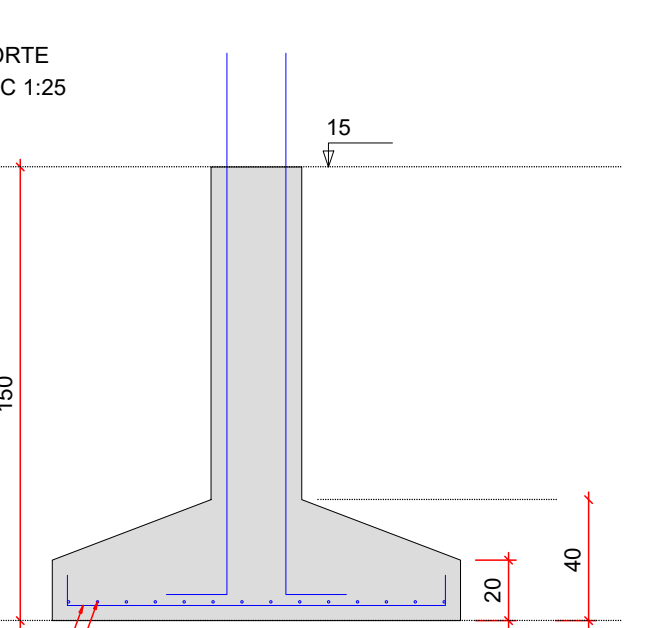
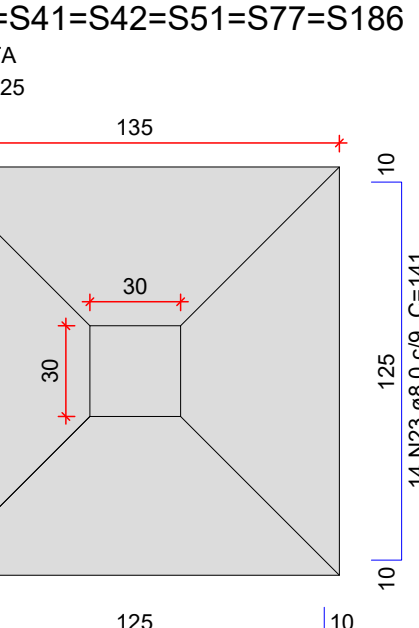
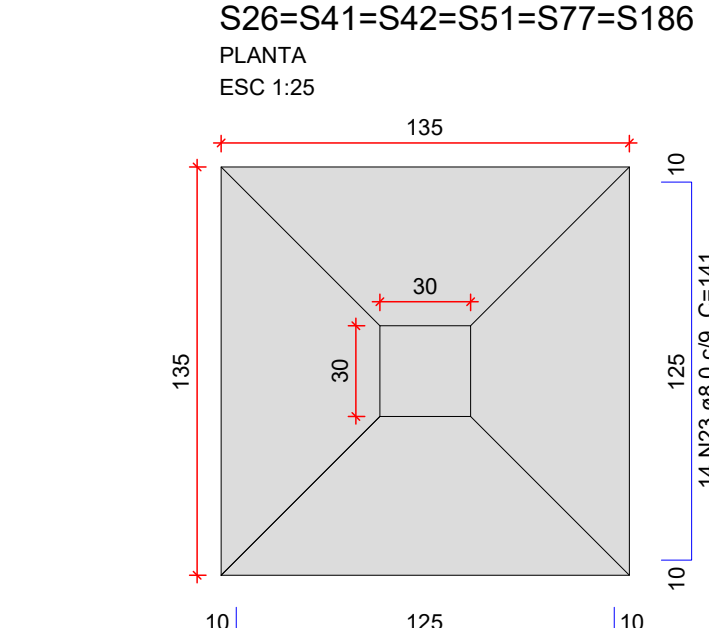
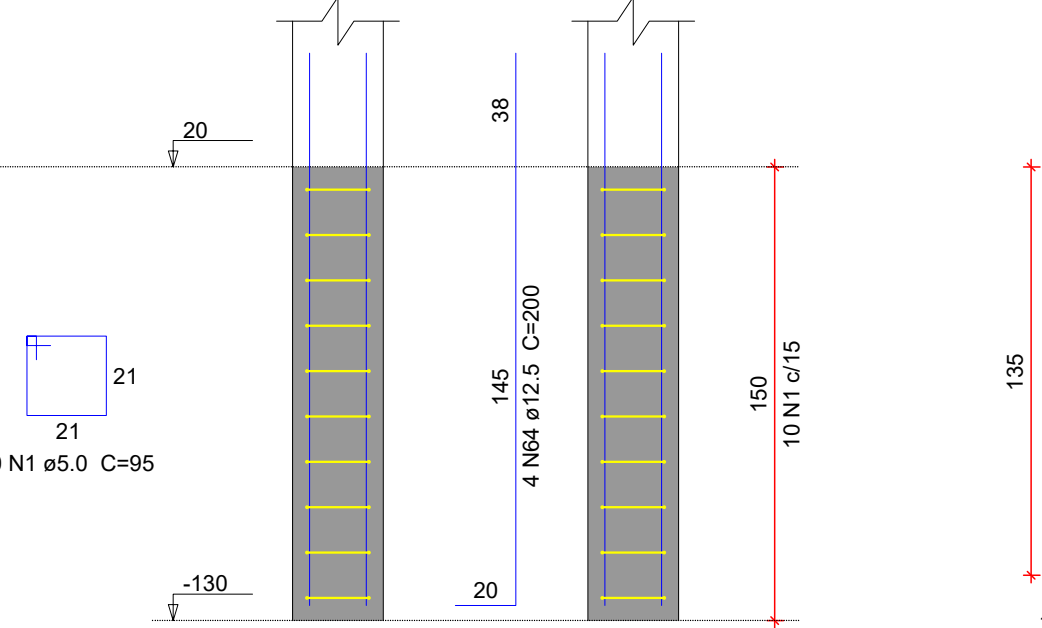
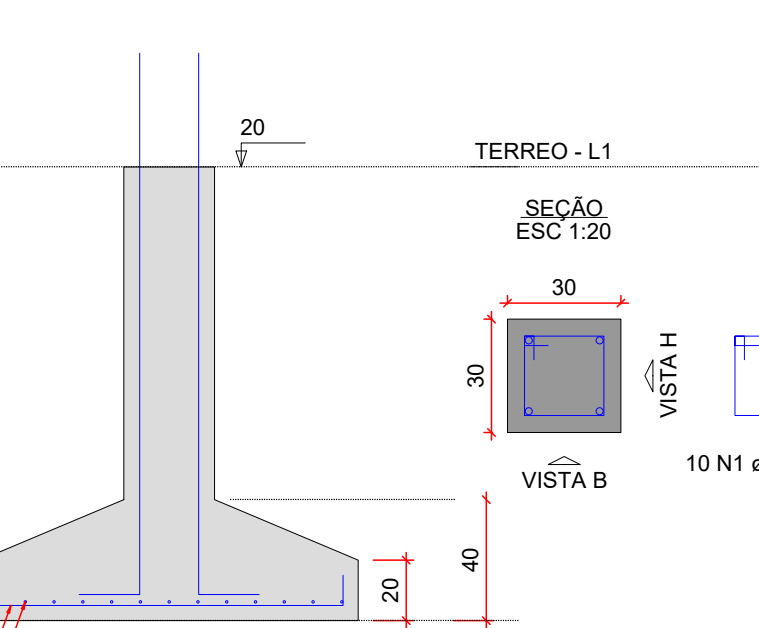
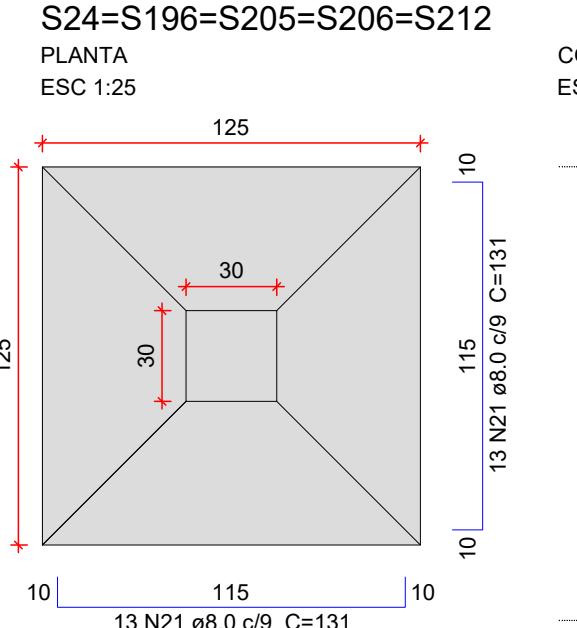
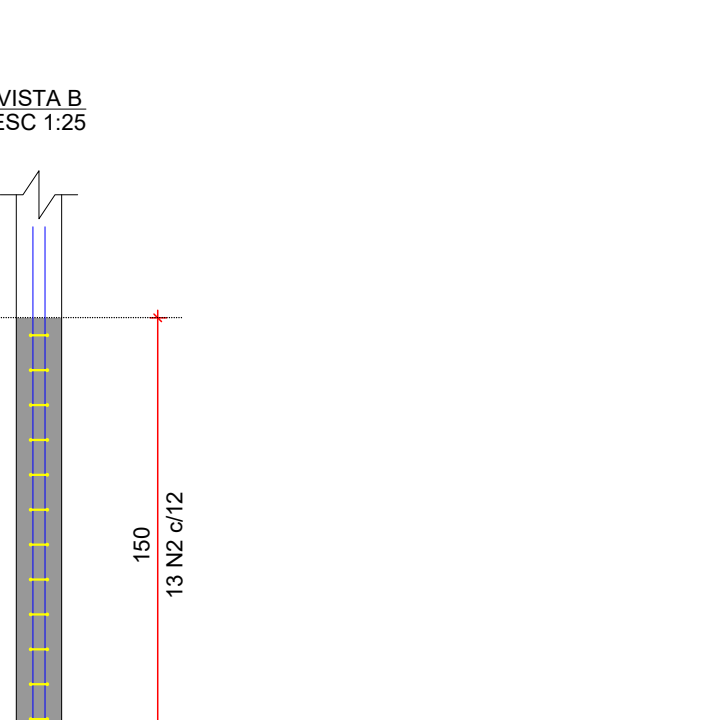
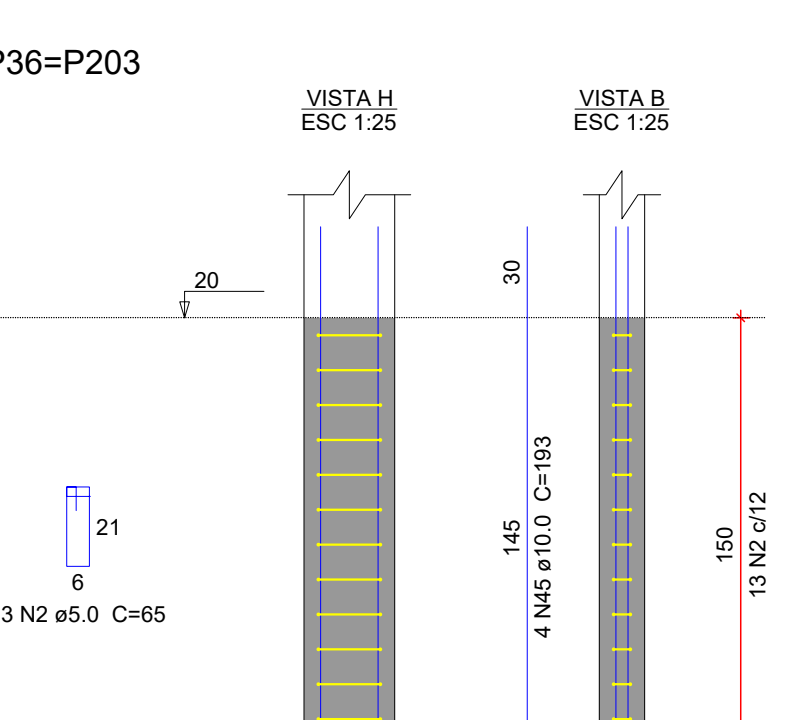
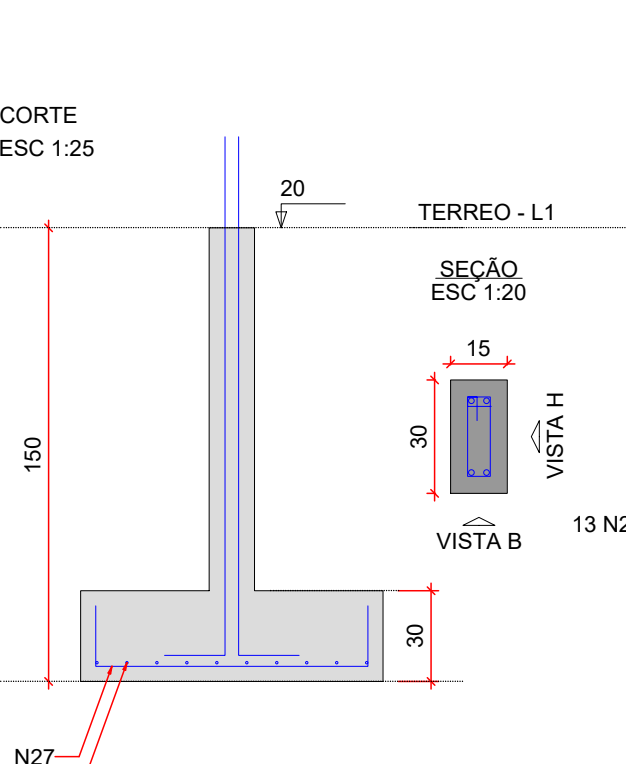
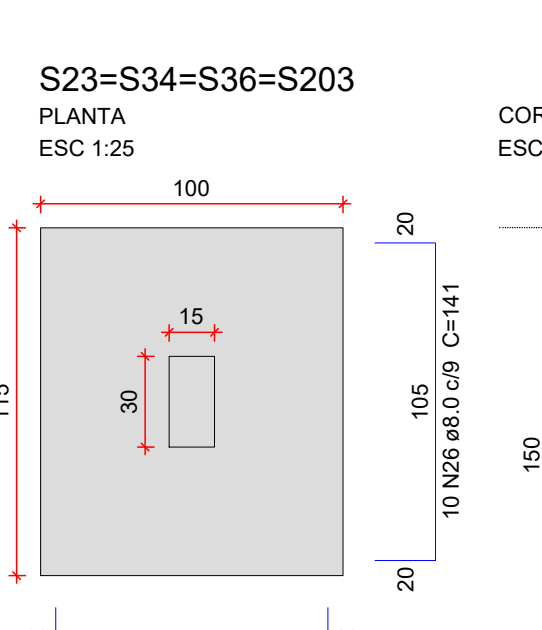
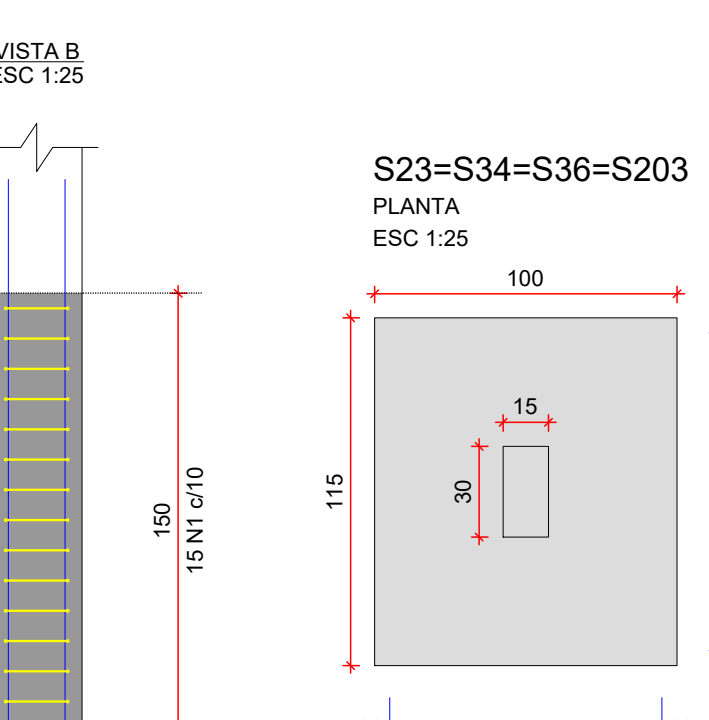
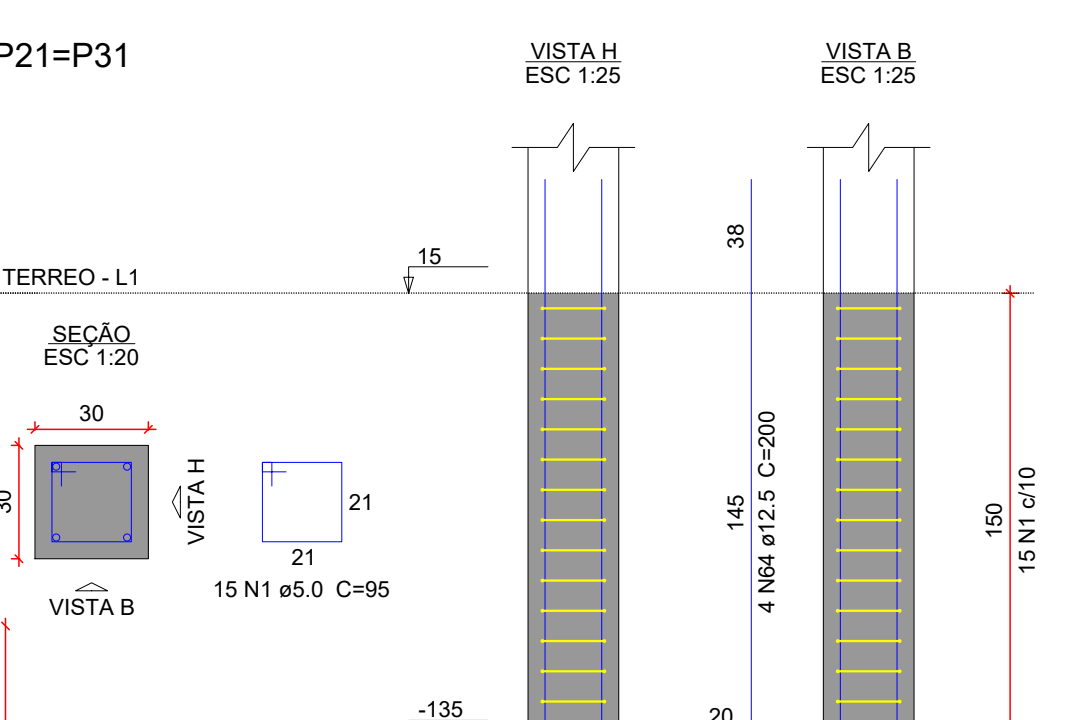
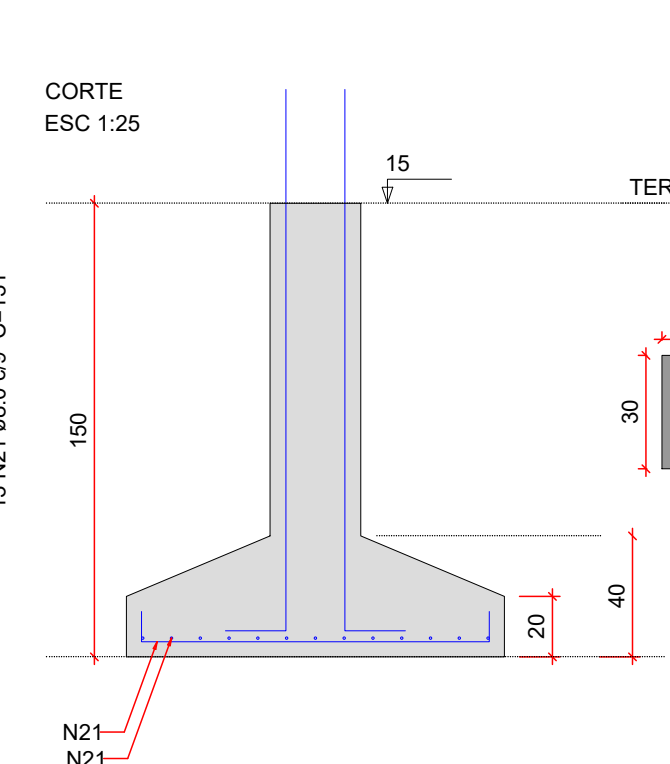
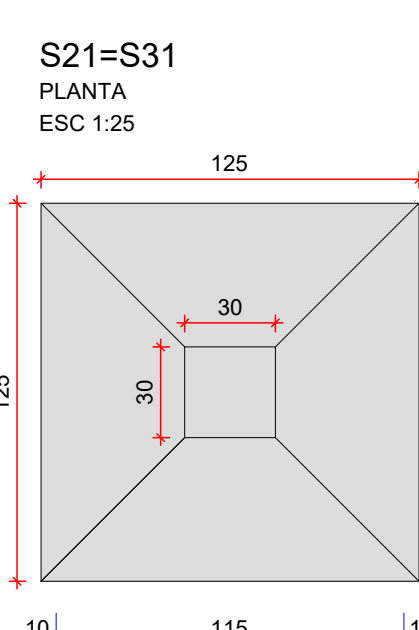
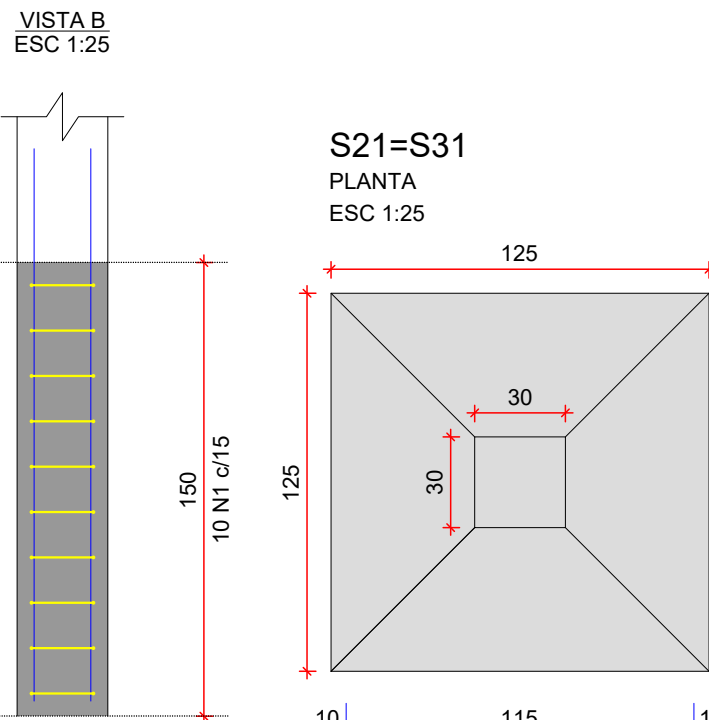
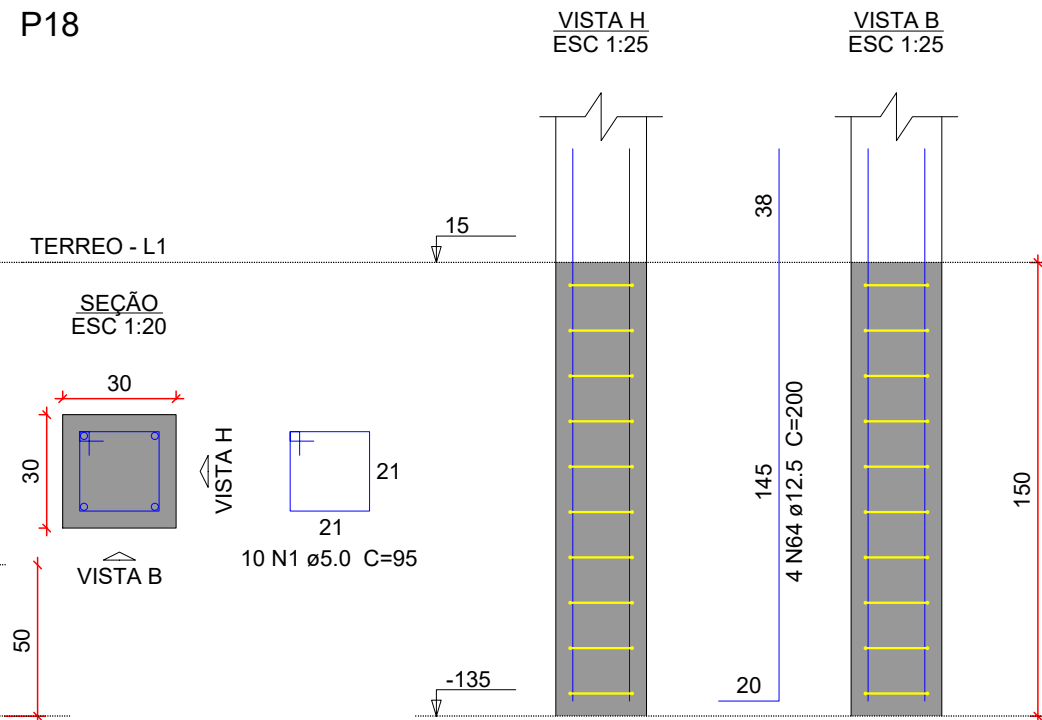
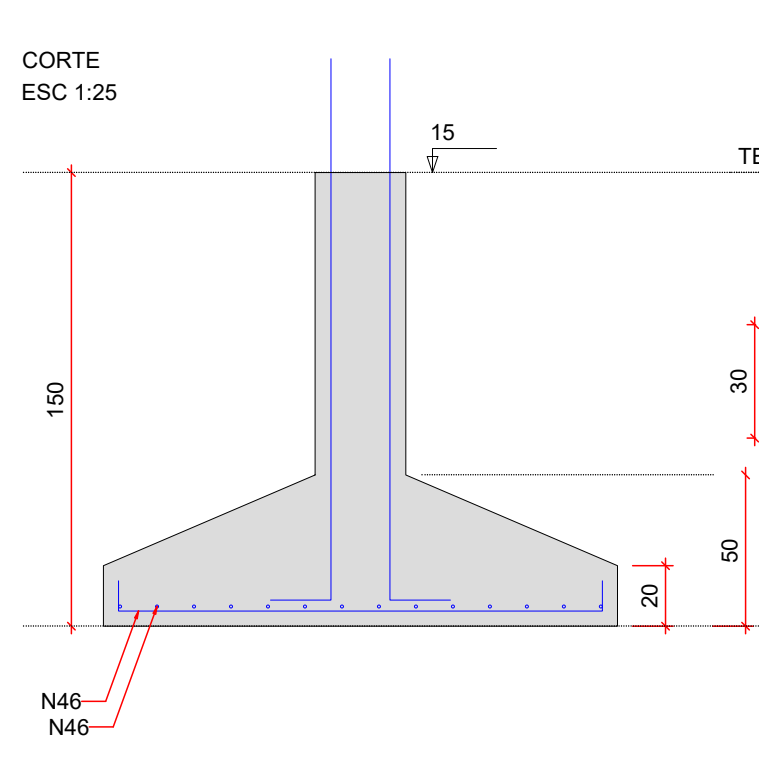
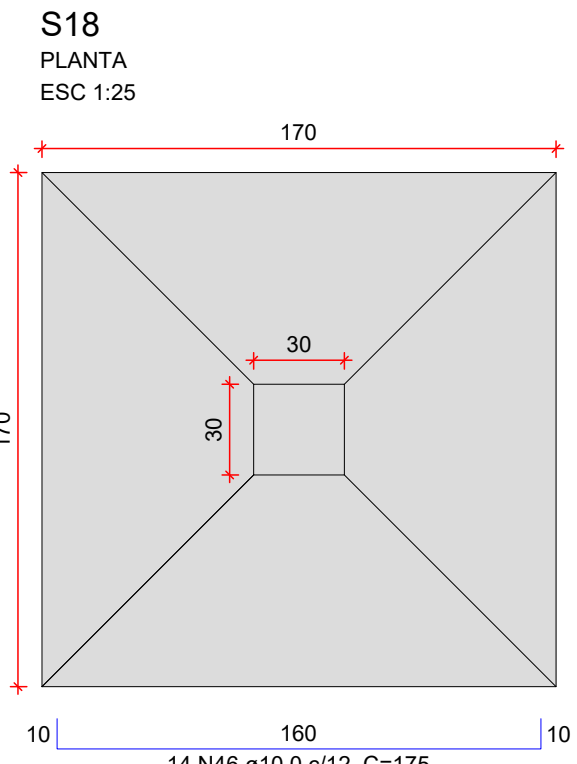


Relação do aço					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	1255	95	119225
	2	5.0	569	65	36985
	3	5.0	48	135	6480
	4	5.0	20	81	1620
	5	5.0	26	83	2158
	6	5.0	108	79	8532
	7	5.0	20	111	2220
	8	5.0	26	55	1430
	9	5.0	13	75	975
	10	5.0	13	105	1365
	11	5.0	13	36	468
	12	5.0	7	881	4767
	13	5.0	7	651	4557
	19	8.0	121	111	13431
	20	8.0	132	116	15312
	21	8.0	744	131	97464
	22	8.0	64	126	8064
	23	8.0	483	141	68103
	24	8.0	578	151	87278
	25	8.0	66	111	7326
	26	8.0	61	141	8601
	27	8.0	70	126	8820
	28	8.0	228	136	31008
	29	8.0	349	121	42229
	30	8.0	378	156	58968
	31	8.0	97	146	14162
	32	8.0	18	121	2178
	33	8.0	10	101	1010
	34	8.0	20	106	2120
	35	8.0	113	131	14803
	36	8.0	44	116	5104
CA50	37	8.0	55	146	8030
	38	8.0	32	136	4352
	39	8.0	91	86	7826
	40	8.0	72	96	6912
	41	8.0	31	166	5146
	42	8.0	6	91	546
	45	10.0	216	193	41688
	46	10.0	112	175	19600
	47	10.0	100	145	14500
	48	10.0	44	140	6160
	49	10.0	24	95	2280
	50	10.0	20	140	2800
	51	10.0	216	170	36720
	52	10.0	24	135	3240
	53	10.0	32	150	4800
	54	10.0	192	165	31680
	55	10.0	48	143	6864
	56	10.0	12	155	1860
	57	10.0	4	158	632
	58	10.0	48	160	7680
	59	10.0	30	185	5550
	64	12.5	482	200	96400
	65	12.5	8	157	1256
	66	12.5	14	263	3682
	67	12.5	15	258	3870
	68	12.5	12	191	2292
	69	12.5	13	186	2418
	70	12.5	13	283	3679
	71	12.5	17	243	4131
	72	12.5	11	201	2211
	73	12.5	14	161	2254
	74	16.0	52	209	10868
	75	16.0	4	158	632

Resumo do aço			
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	5188	2251.8
	10.0	1860.6	1261.8
	12.5	1222	1294.8
	16.0	115	199.7
CA60	5.0	1907.9	323.5
PESO TOTAL (kg)			
CA50	5008.1		
CA60	323.5		

Volume de concreto (C-35) = 126.56 m³
Área de forma = 451.27 m²
Tela C-196 = 151.35 m²



NOTAS GERAIS

- DIMENSÕES EM CENTÍMETRO, BÓLAS EM MILÍMETRO, EXCETO ONTE INDICADO DE OUTRA FORMA. AS COTAS DE IMPLANTAÇÃO DA OBRA BEM COMO AS COTAS E OS NÍVEIS DAS FORMAS DEVERÃO SER VERIFICADOS E ACEITOS PELO RESPONSÁVEL TÉCNICO DA OBRA ANTES DA EXECUÇÃO;
- ACO CA-50 CONCRETO DA EDIFICAÇÃO: C25 (fck = 35 MPa) RELUÇÃO AGUA-CEMENTO = 0,60 DIÂMETRO MÁXIMO DO AGREGADO GRÁUO: 19 mm;
- VERIFICAR ARMADURAS DE ABRAÇQUE
- COBERTAMENTO MÍNIMO: SAPATAS: 5,0cm PILARES EM CONTATO COM SOLO: 4,5cm
- AS BARRAS DE AÇO DEVERÃO SER CONVENIENTEMENTE LIMPAS DE QUALQUER SUBSTÂNCIA PREJUDICIAL A ADERÊNCIA, RETIRANDO-SE AS ESCAMAS EVENTUALMENTE DESTACADAS POR OXIDAÇÃO. AINDA: AS BARRAS EXCESSIVAMENTE DANIFICADAS DEVERÃO SER DESCARTADAS;
- JUNTAS DE CONCRETAGEM: QUANDO O LANÇAMENTO DO CONCRETO FOR INTERROMPIDO E, ASSIM, FORMAR-SE UMA JUNTA DE CONCRETAGEM, DEVE-SE, ANTES DE INICIAR O LANÇAMENTO DO CONCRETO FRESCO, REMOVER A MATA E LIMPAR A SUPERFÍCIE DA JUNTA. DURANTE A CONCRETAGEM O CONCRETO DEVERÁ SER PERFEITAMENTE ADENSADO ATÉ A SUPERFÍCIE DA JUNTA;
- TODAS AS ESTRUTURAS EM CONTATO COM O SOLO DEVEM SER ISOLADAS COM UMA CAMADA DE CONCRETO MAGRO DE NO MÍNIMO 5 cm (TRAÇÃO USUAL 1:8) ENTRE O SOLO E A ESTRUTURA;
- O SOLO SOBRE AS SAPATAS DEVE SER COMPACTADO;
- TODOS OS NÍVEIS INDICADOS NO PROJETO ESTRUTURAL REFEREM-SE AO NÍVEL 0,00 DO PROJETO ARQUITETÔNICO;
- ESCORAMENTO E FORMAS DEVEM SER RETIRADOS SEM CHOQUES EXCESSIVOS.

R00

19/06/2026

EMISSIONAL INICIAL

Nome do Empreendimento

CER III

Endereço do Empreendimento

BR-367, SIN. ANTARES, EUNÁPOLIS - BA

Título do Projeto

PROJETO DE DETALHAMENTO DAS SAPATAS DO EDIFÍCIO PRINCIPAL (2/6)

Projeto e coordenador

CONSORCIO SAÚDE CONCRETAT-MEP - CNPJ 09.255.454/0001-35 RUA JOAQUIM PALHARES, NO. 40, ANDAR 5 - RIO DE JANEIRO RJ - CEP 20.260-080 FONE (21) 5554-1151

Responsável Técnico pelo Projeto Executivo

MURILLO MATOS CONCEIÇÃO

Engenheiro CREA/BA nº 300089/20

EST

03/12

Revisão

R00

INDICADA