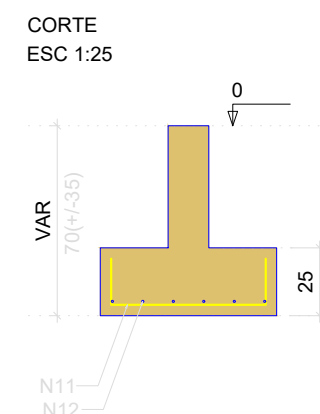
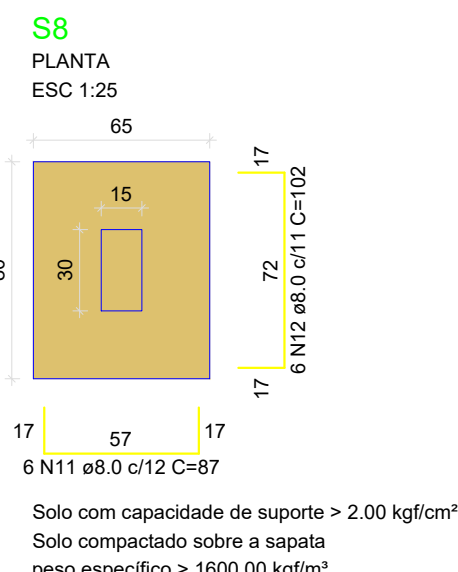
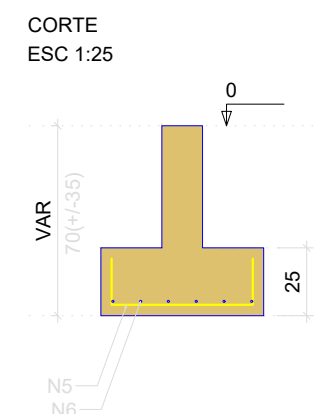
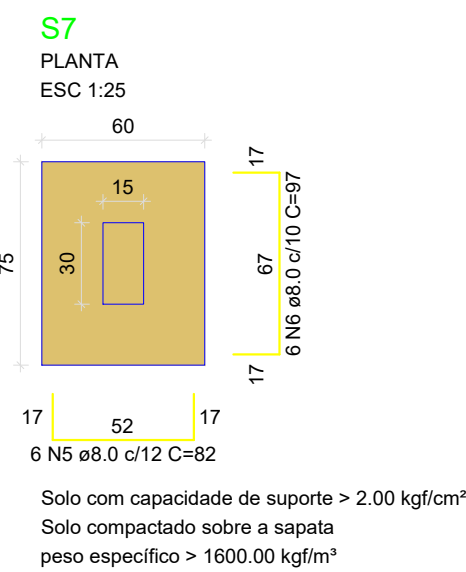
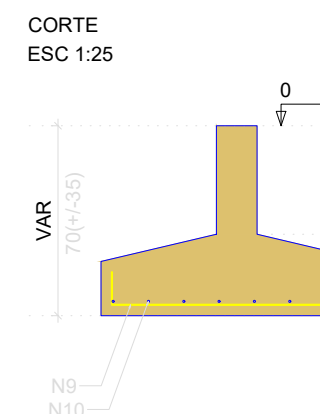
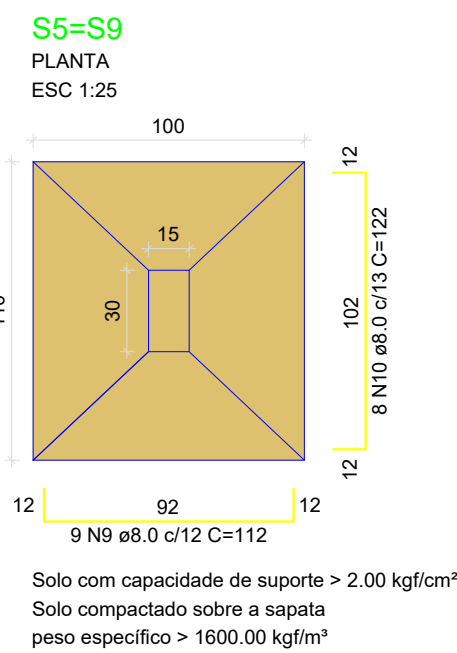
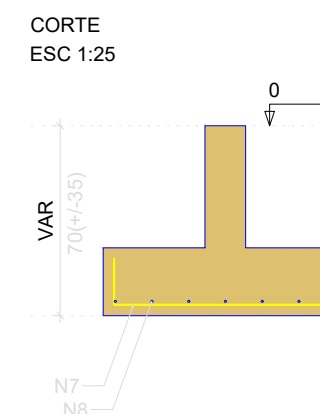
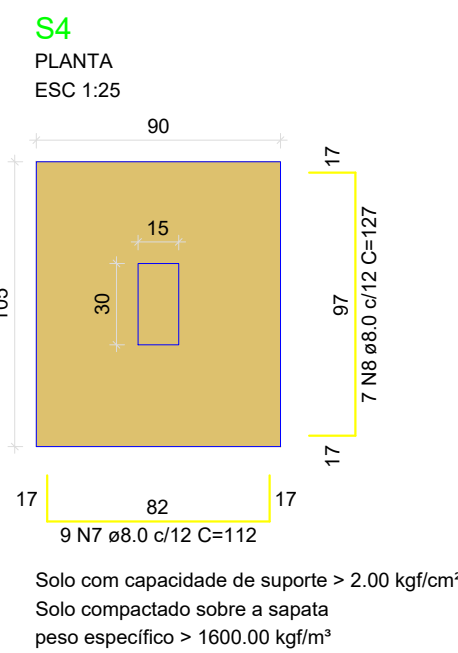
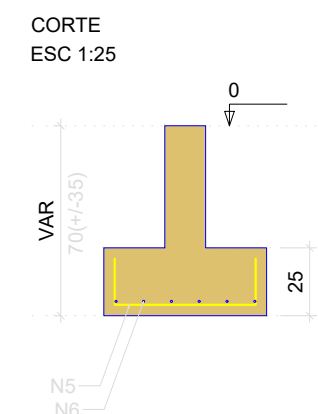
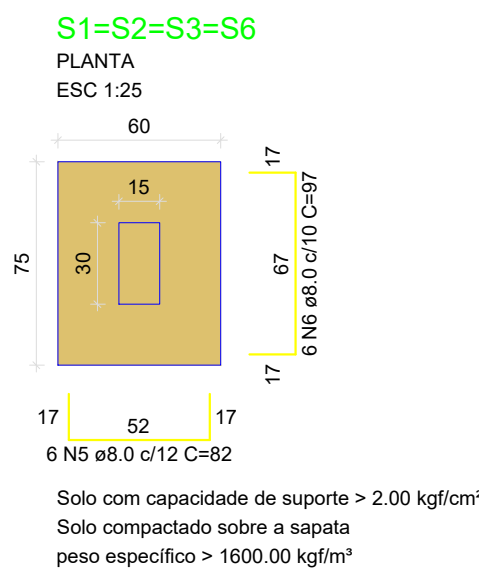
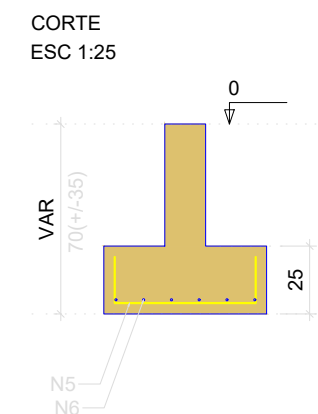
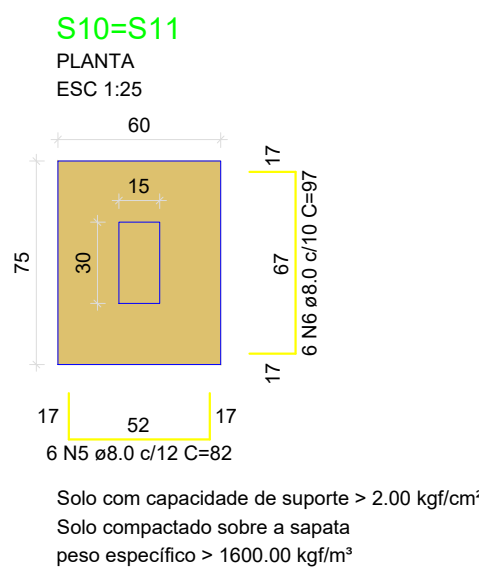


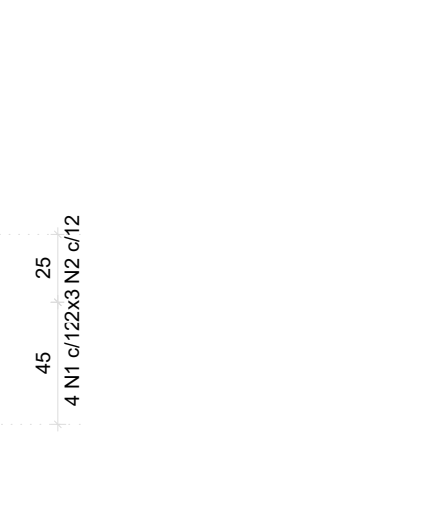
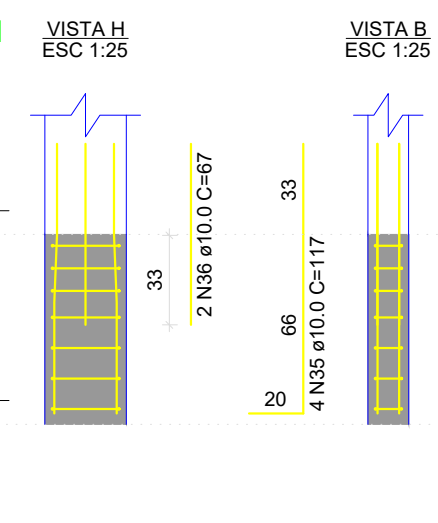
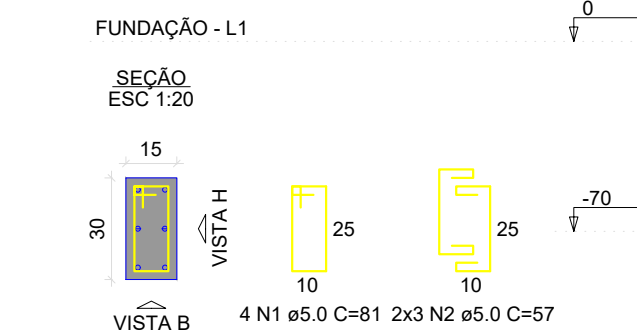


RELAÇÃO DO AÇO

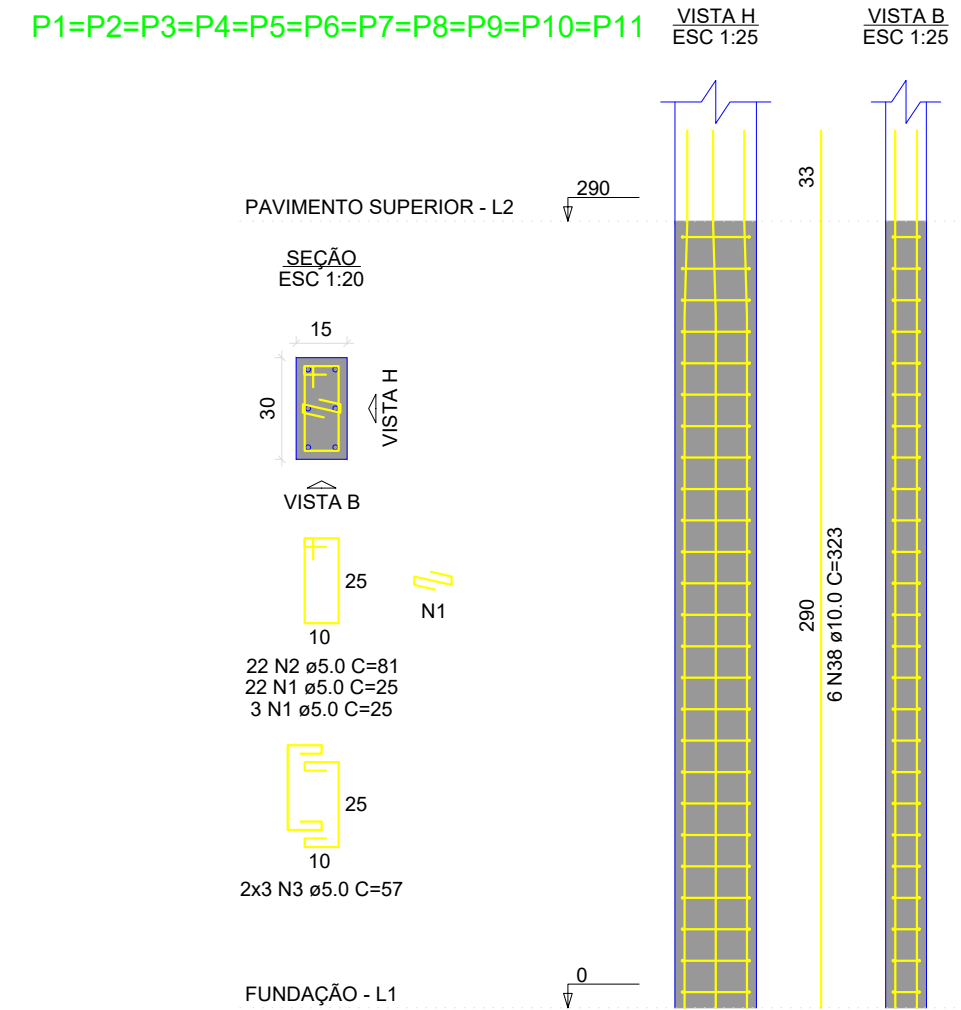
AÇO	N	DIAM (mm)	QUANT	C UNIT (cm)	C TOTAL (cm)
8xP1-L2	1	5.0	288	81	23188
P7-L1	2	5.0	102	57	5814
4xS2-L1	3	5.0	8	89	534
S4-L1	4	5.0	173	71	12283
S7-L1	5	5.0	42	82	3444
VB1-L1	6	5.0	42	97	4074
VB4-L1	7	5.0	9	112	1008
	8	5.0	7	127	889
	9	5.0	9	112	1008
	10	5.0	8	122	976
	11	5.0	6	87	522
	12	5.0	6	102	612
	13	5.0	3	336	672
	14	5.0	2	329	658
	15	5.0	2	638	1276
	16	5.0	2	155	310
	17	5.0	1	74	74
	18	5.0	2	171	342
	19	5.0	2	369	738
	20	5.0	1	140	140
	21	5.0	2	604	1208
	22	5.0	3	177	531
	23	5.0	2	480	960
	24	5.0	1	86	86
	25	5.0	2	293	586
	26	5.0	2	285	570
	27	5.0	3	367	734
	28	5.0	3	580	1160
	29	5.0	4	141	564
	30	5.0	2	198	396
	31	5.0	3	321	642
	32	5.0	3	53	83
	33	5.0	3	468	936
	34	10.0	36	323	11628
	35	10.0	44	117	5148
	36	10.0	2	67	134
	37	10.0	4	VAR	VAR
	38	10.0	2	343	686



P1=P2=P3=P4=P5=P6=P7=P8=P9=P10=P11



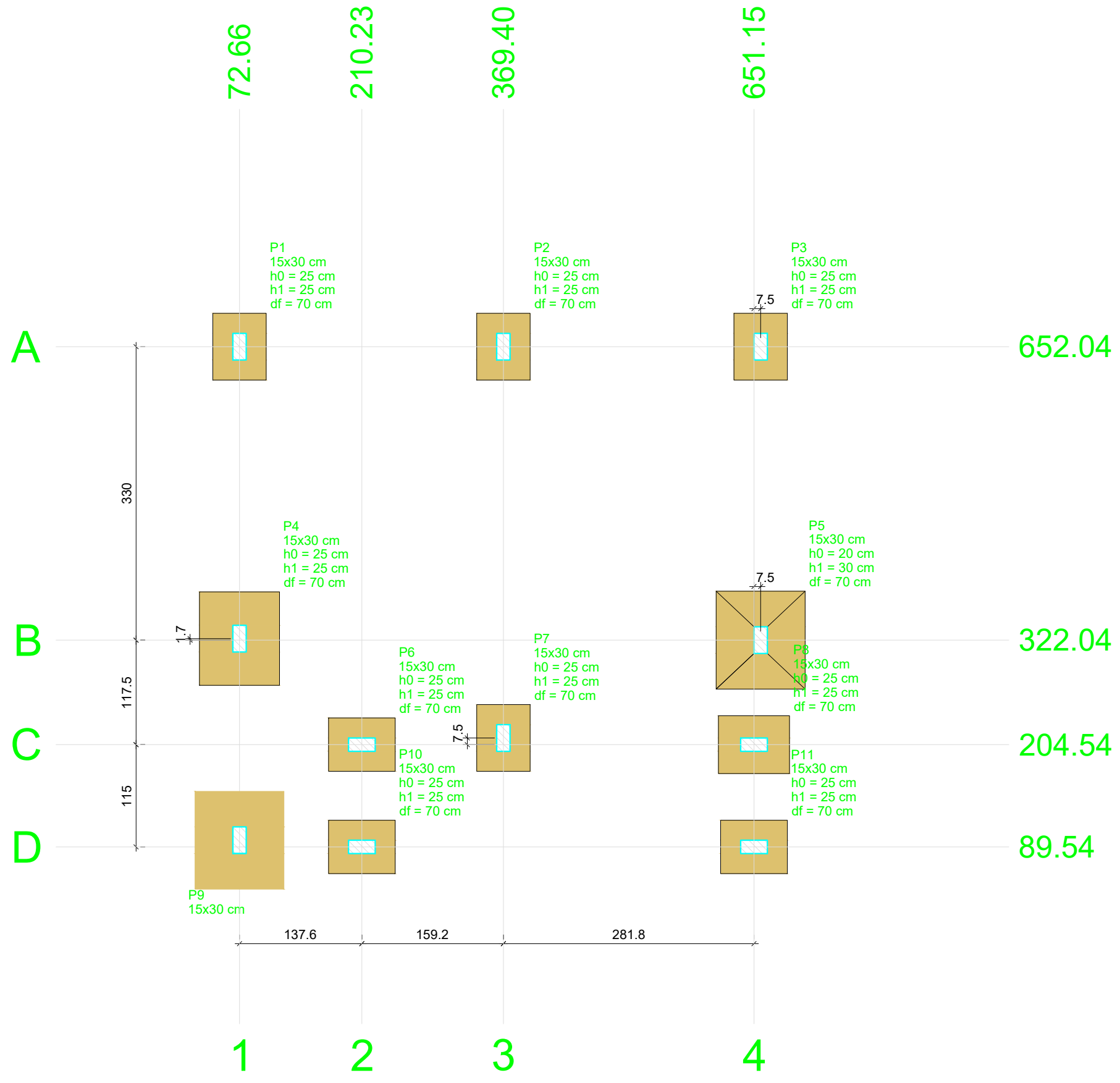
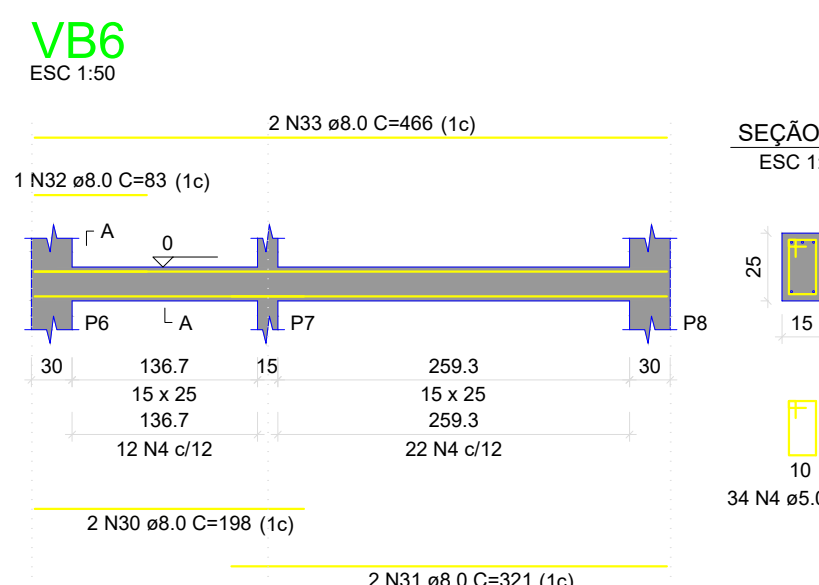
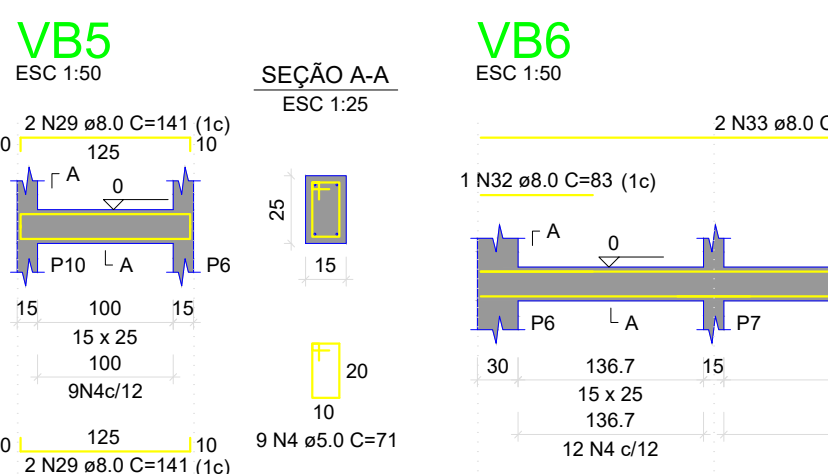
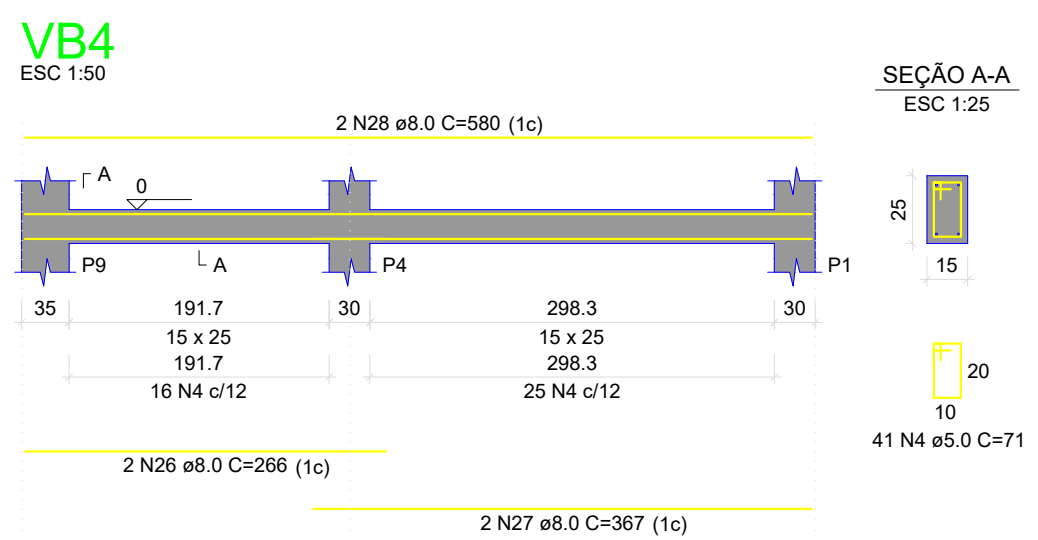
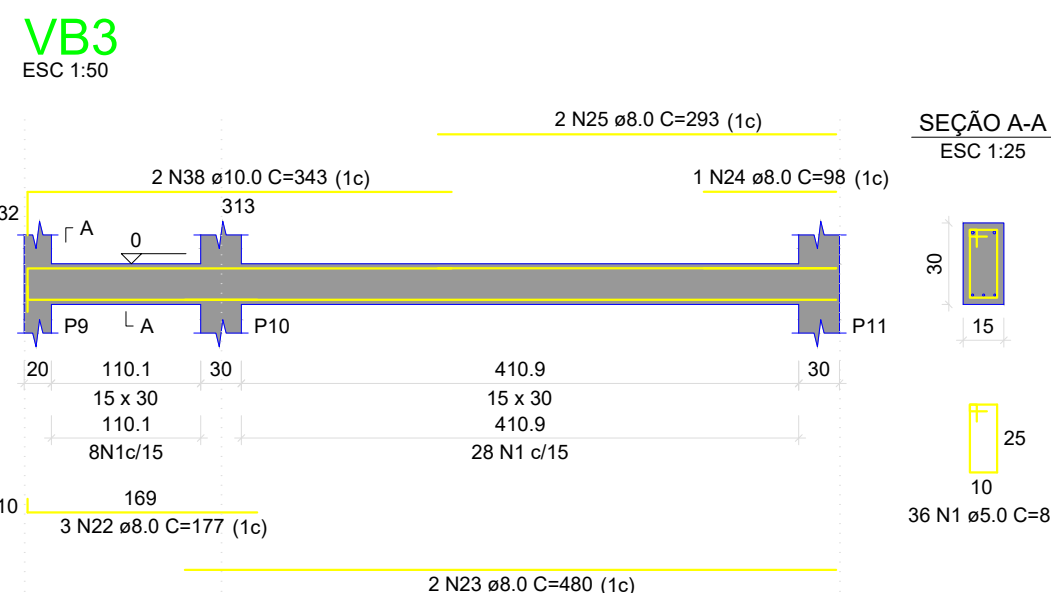
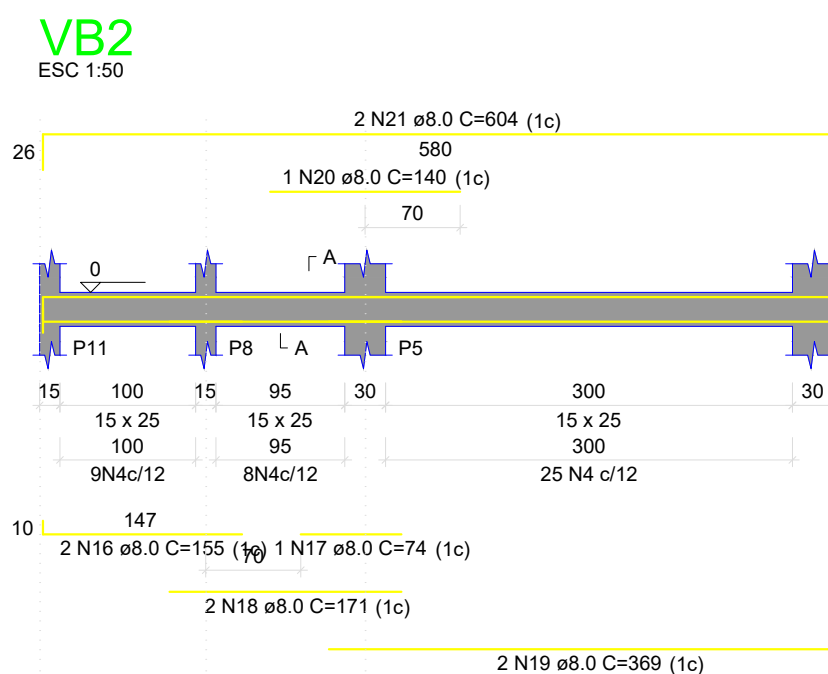
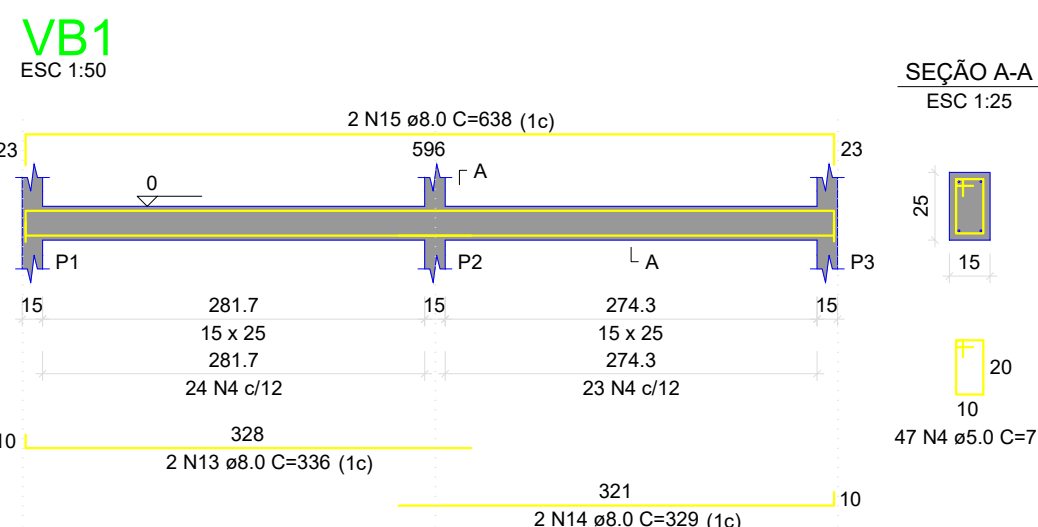
P1=P2=P3=P4=P5=P6=P7=P8=P9=P10=P11



RESUMO DO AÇO

AÇO	DIAM (mm)	C TOTAL (m)	PESO + 10% (kg)
CA50	5.0	251.7	109.2
CA60	10.0	179.2	121.5
		418	70.9
PESO TOTAL (kg)			230.7
CA50			70.9

Volume de concreto (C-30) = 4.12 m³
Área de forma = 57.75 m²



Di seções indicadas neste projeto são os valores mínimos obtidos pela análise de todos os carregamentos definidos para as fundações. Para análises complementares, deve-se consultar o relatório de esforços na fundação, que apresenta os valores calculados para cada combinação.

Nome	Seção	X (cm)	Y (cm)	Carga Máx (kN)	Carga Mín (kN)	Mx Máx (kgf.m)	Mx Mín (kgf.m)	My Máx (kgf.m)	My Mín (kgf.m)	Vx Máx (kgf)	Vx Mín (kgf)	Vy Máx (kgf)	Vy Mín (kgf)
P1	15x30	191.7	191.7	4.8	2.5	0	0	0	0	0	0	0	0
P2	15x30	274.3	274.3	4.8	2.5	0	0	0	0	0	0	0	0
P3	15x30	274.3	274.3	4.8	2.5	0	0	0	0	0	0	0	0
P4	15x30	274.3	274.3	4.8	2.5	0	0	0	0	0	0	0	0
P5	15x30	274.3	274.3	4.8	2.5	0	0	0	0	0	0	0	0
P6	15x30	274.3	274.3	4.8	2.5	0	0	0	0	0	0	0	0
P7	15x30	274.3	274.3	4.8	2.5	0	0	0	0	0	0	0	0
P8	15x30	274.3	274.3	4.8	2.5	0	0	0	0	0	0	0	0
P9	15x30	274.3	274.3	4.8	2.5	0	0	0	0	0	0	0	0
P10	15x30	274.3	274.3	4.8	2.5	0	0	0	0	0	0	0	0
P11	15x30	274.3	274.3	4.8	2.5	0	0	0	0	0	0	0	0

EMPRESA BRASILEIRA DE ENGENHARIA
CONSTRUÇÕES E SERVIÇOS
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Qd. 40 lote 26 sala 01, setor central, Campos Belos - GO
Email: contato@ebecsenharia.com.br Tel: (62) 99918 - 1876
WWW.EBECSENHARIA.COM.BR

CIDADE: TAIPAS DO TOCANTINS SETOR: CENTRO

ENDEREÇO: AV. PAULO DE LIMA SOUZA

PROPRIETÁRIO: CÂMARA MUNICIPAL DE TAIPAS DO TOCANTINS

AUTOR DO PROJETO: WESLEY BEZERRA BRITO FILHO

RESPONSÁVEL TÉCNICO PELO PROJETO : WESLEY BEZERRA BRITO FILHO

PROPRIETÁRIO: CÂMARA MUNICIPAL DE TAIPAS CNPJ: 07590.570/0001-28

AUTOR DO PROJETO: WESLEY BEZERRA BRITO FILHO CREA: 23310/D-DF

CARIMBOS

XX

XX

TIPO

PROJETO ESTRUTURAL

CONTEÚDO:

PRANCHA

CONSTRUÇÃO DA AMPLIAÇÃO DA CÂMARA DE TAIPAS - TO

ESTRUTURAL

LOCAÇÃO SAPATAS DETALHE DAS VIGAS DETALHE DOS PILARES DETALHE DAS SAPATAS

01

REVISOR : ENG. X

ESCALA: INDICADA

DATA: 13/10/21

ÁREA DO LOTE: M2

ÁREA CONST.: 102,24 M2

05

Planta de locação
escala 1:50