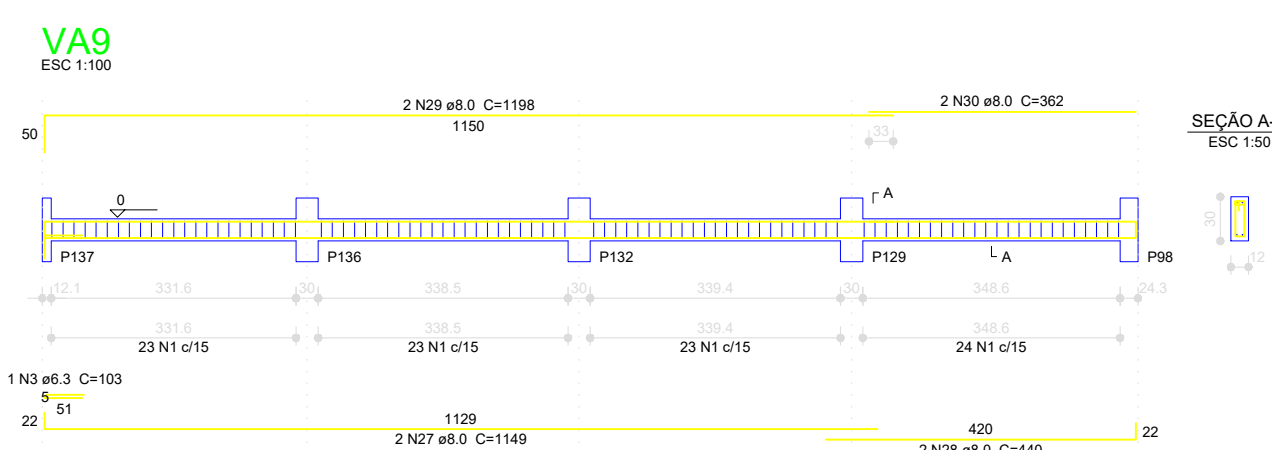
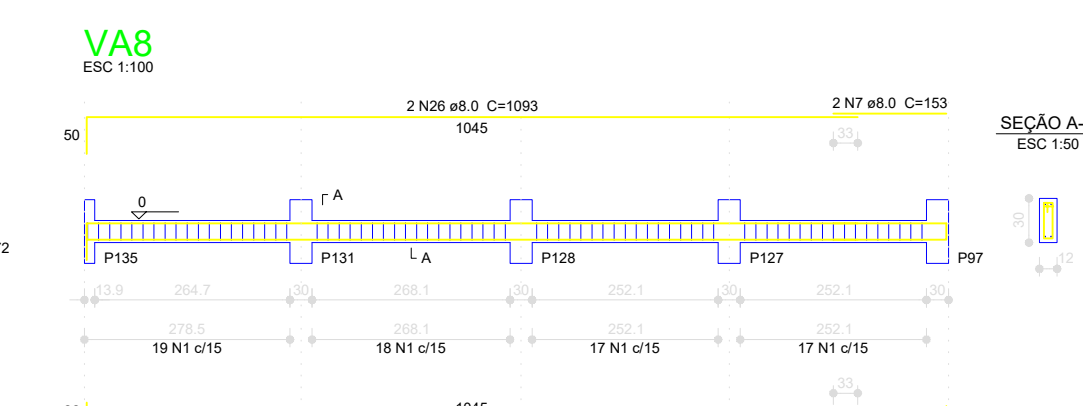
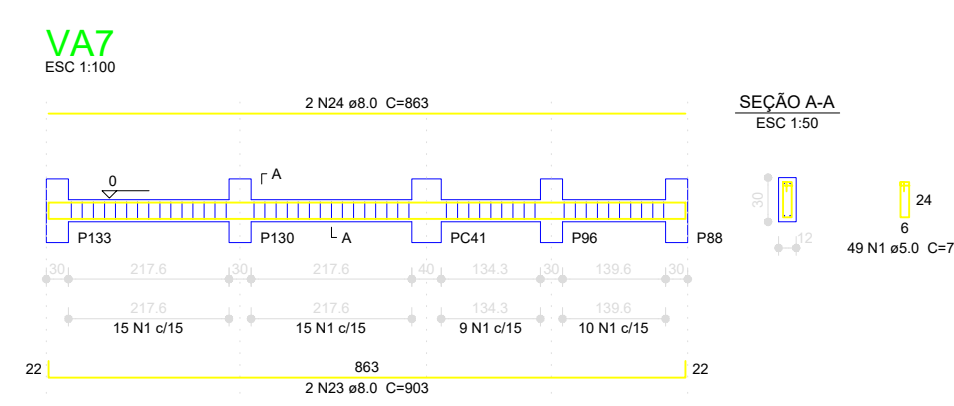
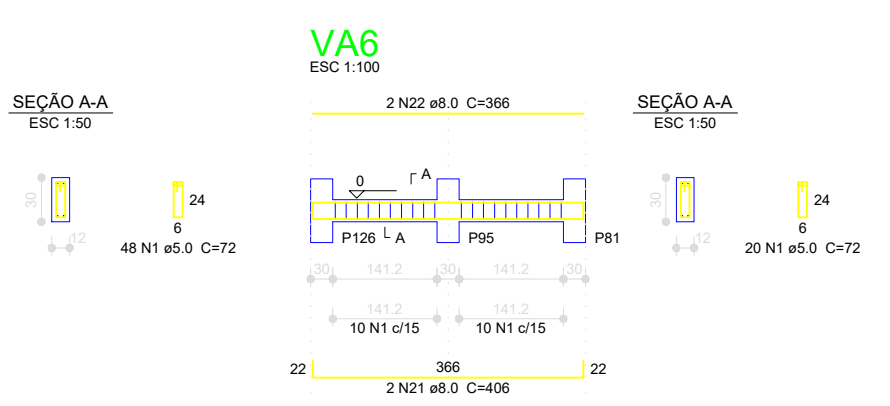
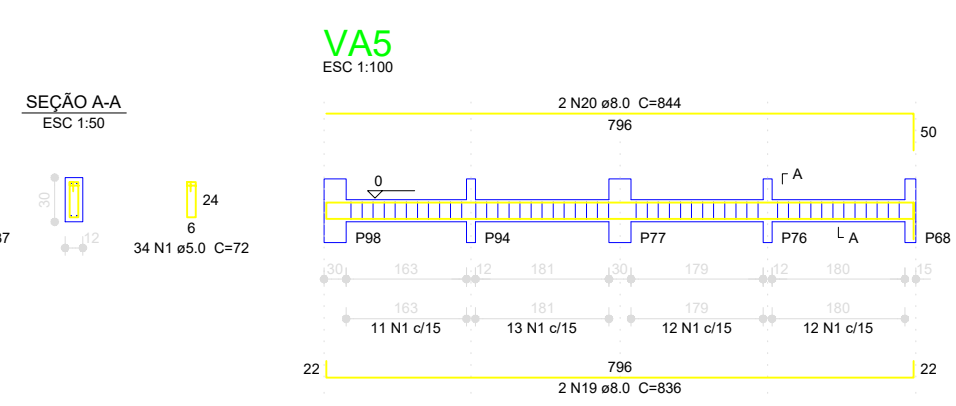
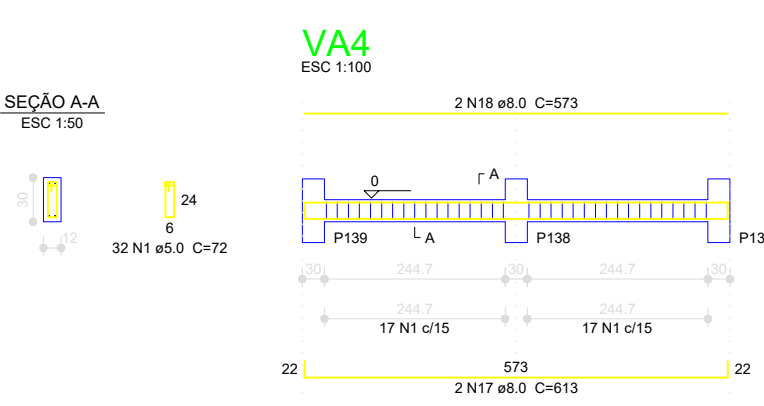
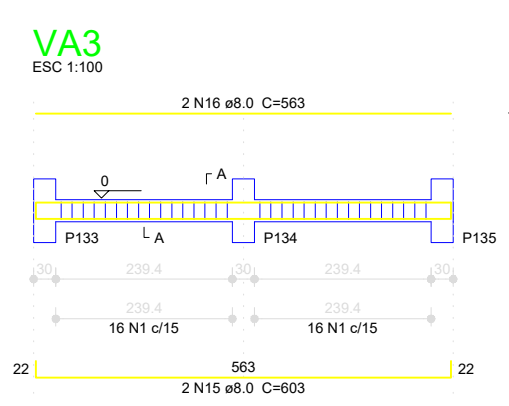
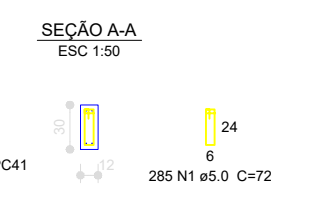
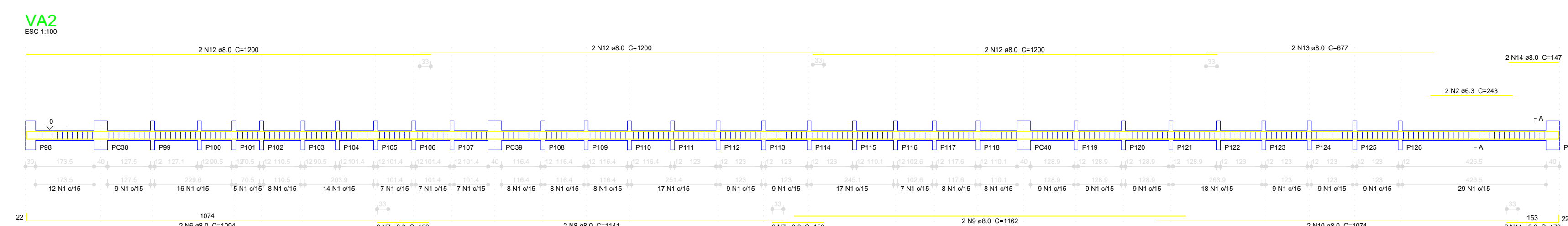
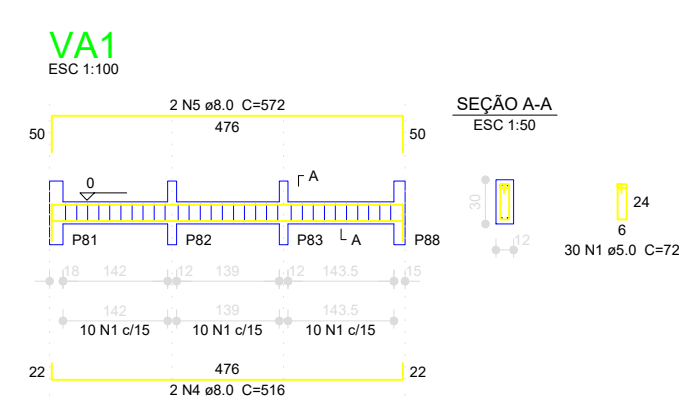




Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
VA1	12x30	0	0
VA2	12x30	0	0
VA3	12x30	0	0
VA4	12x30	0	0
VA5	12x30	0	0
VA6	12x30	0	0
VA7	12x30	0	0
VA8	12x30	0	0
VA9	12x30	0	0

Características dos materiais	
fck (kgf/cm²)	250
Ecs (kgf/cm²)	23000



Relação do aço					
AÇO	N	DIAM (mm)	QUANT (Barra)	UNIT (cm)	C TOTAL (cm)
CA80	1	8.0	962	72	47664
CA80	2	8.3	2	243	486
	3	8.3	1	103	103
	4	8.0	2	516	1032
	5	8.0	2	572	1144
	6	8.0	6	1094	2188
	7	8.0	6	153	918
	8	8.0	2	1141	2282
	9	8.0	2	1162	2324
	10	8.0	2	1074	2148
	11	8.0	4	173	692
	12	8.0	6	1200	7200
	13	8.0	2	677	1354
	14	8.0	2	147	294
	15	8.0	2	603	1206
	16	8.0	2	563	1126
	17	8.0	2	613	1226
	18	8.0	2	573	1146
	19	8.0	2	836	1672
	20	8.0	2	844	1688
	21	8.0	2	406	812
	22	8.0	2	366	732
	23	8.0	2	903	1806
	24	8.0	2	863	1726
	25	8.0	2	1005	2010
	26	8.0	2	1093	2186
	27	8.0	2	1149	2298
	28	8.0	2	440	880
	29	8.0	2	1198	2396
	30	8.0	2	362	724

Resumo do aço			
AÇO	DIAM (mm)	C TOTAL (m)	PESO + 10% (kg)
CA80	8.3	9.9	1.6
CA80	8.0	453.3	190.8
CA80	8.0	476.7	80.8
PESO TOTAL (kg)			
CA80	198.3		
CA80	80.8		
Volume de concreto (C-25) = 3.92 m³			
Área de forma = 78.35 m²			

PROJETO

FOLHA

7/14

PROJETO ESTRUTURAL

PRANCHA

DETALHES VIGAS

PROPRIETÁRIO:

PREFEITURA MUNICIPAL DE MINEIROS
CNPJ: 02.316.537/0001-90

RESP. TÉCNICO:

EUSTAQUIO DE LIMA VILELA
ENG-CIVIL-CREA-GO 1038/D 15R

Endereço:

AV. Antônio Carlos Paniago Esq. c/ Rua 06, Qd.01
Lot. Cambaúva, Mineiros - GO

Desenho:

EDJAIME FILHO

Escala:

IND.

Área:

Construída=2956.75 m²

Data:

MARÇO/2019

Unidade:

cm