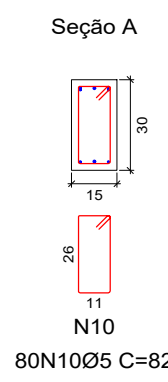
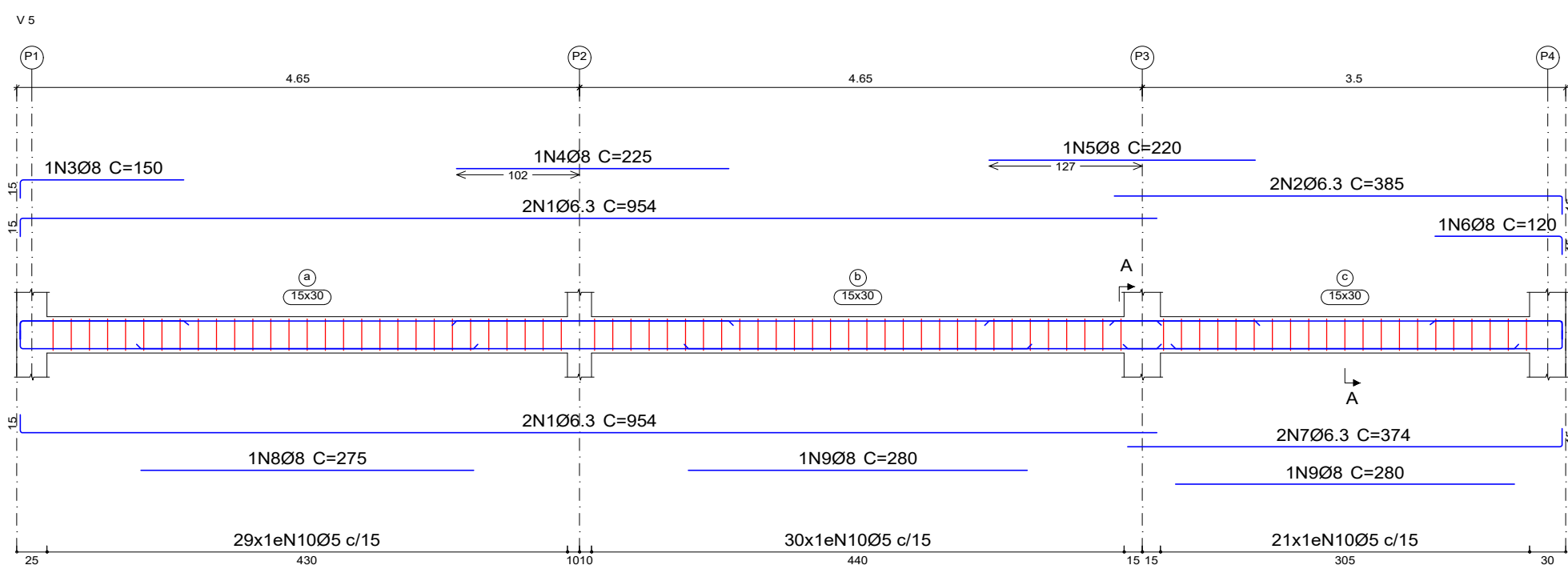
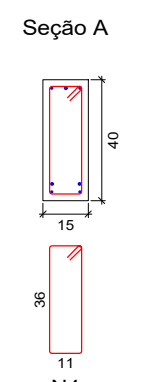
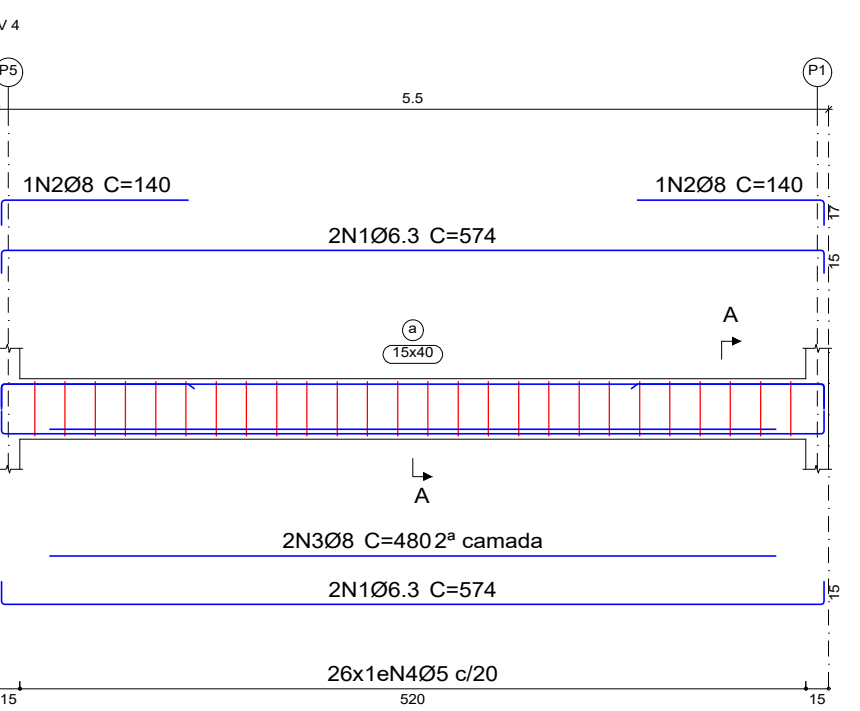
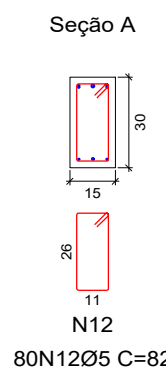
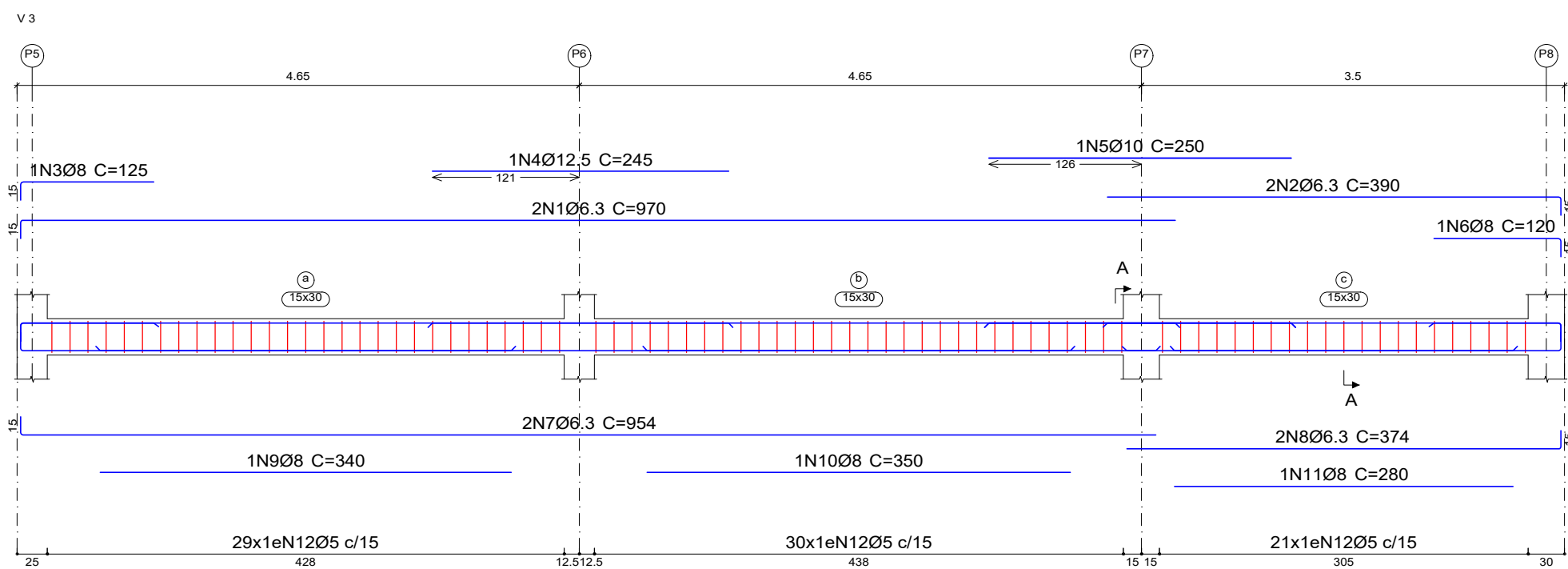
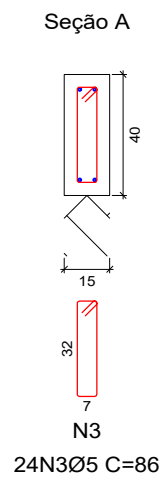
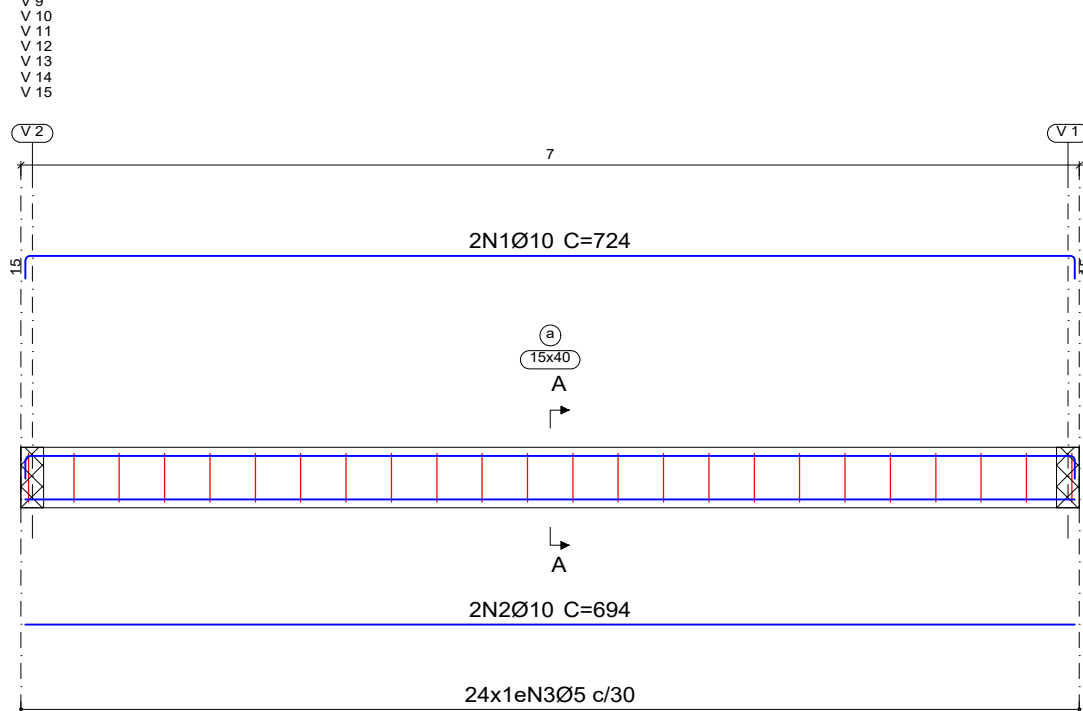
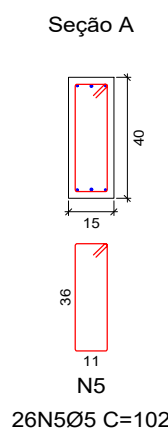
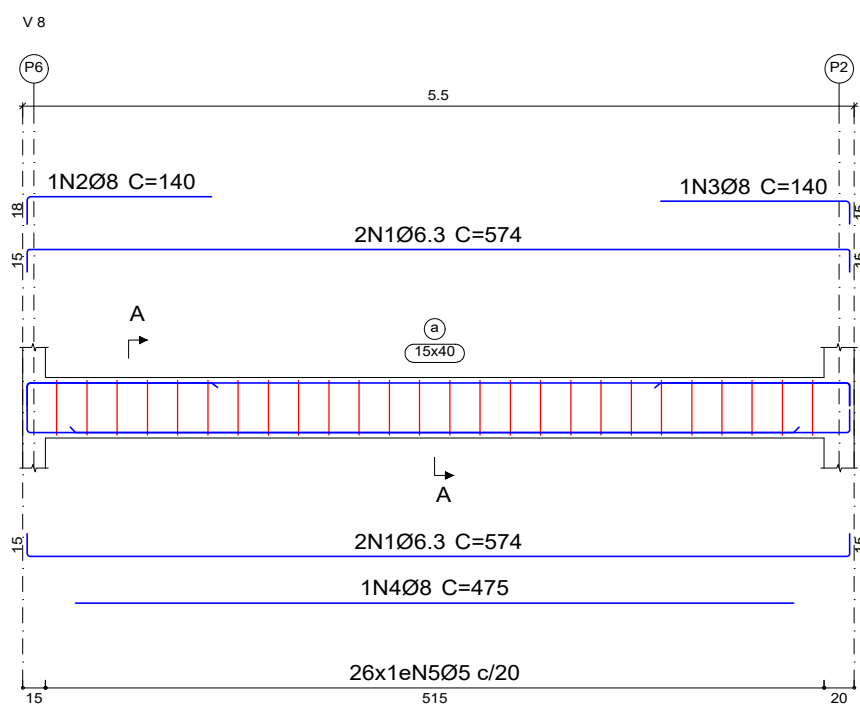
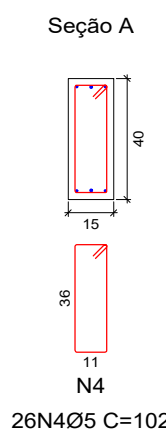
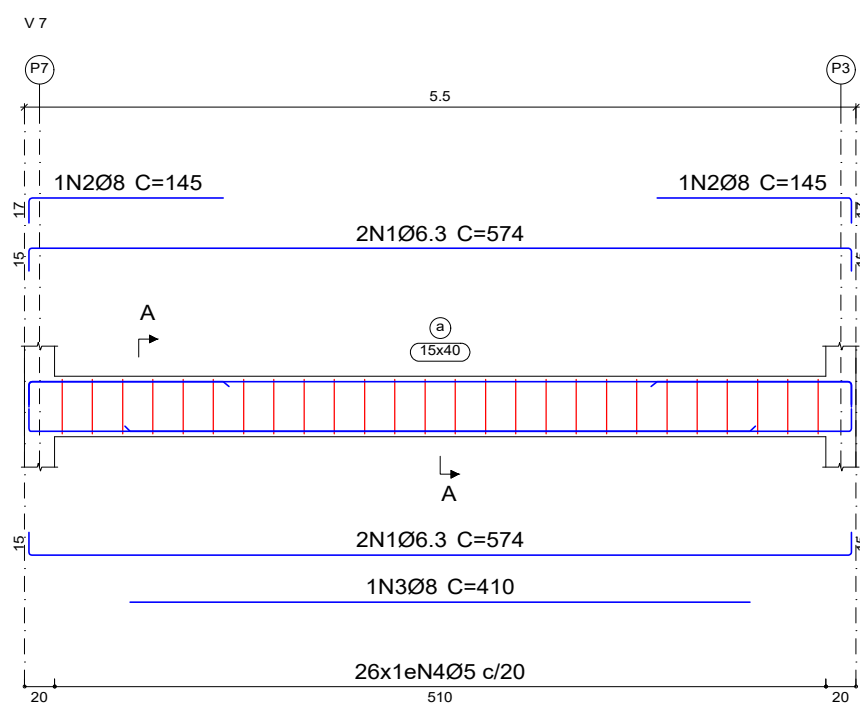
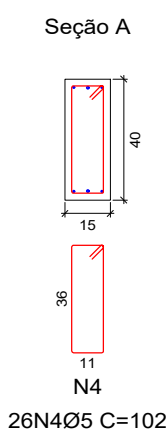
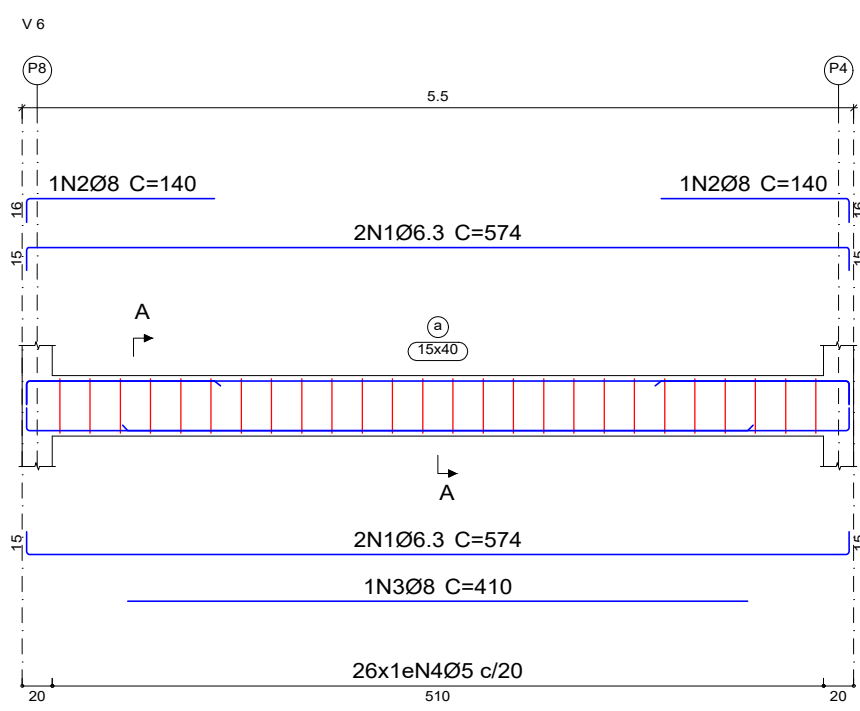


TERREO  
Desenho de vigas  
Concreto: C25, em geral  
Aço das barras: CA-50 e CA-60  
Aço dos estribos: CA-50 e CA-60  
Escala vigas 1:50  
Escala seções 1:25  
Escala aberturas 1:25

Resumo Aço		Comp. total	Peso	
Desenho de vigas		(m)	(kg)	Total
CA-50	Ø6.3	198.9	49	
	Ø8	61.5	24	
	Ø10	429.0	264	
	Ø12.5	2.5	2	339
CA-60	Ø5	534.8	84	84
Total				423



Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (kg)	CA-50 (kg)	CA-60 (kg)
V 1=V 2	1	Ø10	2	1005	1020	2040	12.6	
	2	Ø10	2	1000	1000	2000	12.3	
	3	Ø10	2	880	875	1750	10.8	
	4	Ø10	4	860	960	3840	23.7	
	5	Ø10	2	885	885	1770	10.9	
	6	Ø5	89	7	86	7654		12.0
						Total:	70.3	12.0
						(x2):	140.6	24.0
V 3	1	Ø6.3	2	955	970	1940	4.8	
	2	Ø6.3	2	375	390	780	1.9	
	3	Ø8	1	119	125	125	0.5	
	4	Ø12.5	1	245	245	245	2.4	
	5	Ø10	1	250	250	250	1.5	
	6	Ø8	1	105	120	120	0.5	
	7	Ø6.3	2	939	954	1908	4.7	
	8	Ø6.3	2	359	374	748	1.8	
	9	Ø8	1	340	340	340	1.3	
	10	Ø8	1	350	350	350	1.4	
	11	Ø8	1	280	280	280	1.1	
	12	Ø5	80	11	82	6560		10.3
						Total:	21.9	10.3
V 4	1	Ø6.3	4	544	574	2296	5.6	
	2	Ø8	2	123	140	280	1.1	
	3	Ø8	2	480	480	960	3.8	
	4	Ø5	26	11	102	2652		4.2
						Total:	10.5	4.2
V 5	1	Ø6.3	4	939	954	3816	9.3	
	2	Ø6.3	2	370	385	770	1.9	
	3	Ø8	1	135	150	150	0.6	
	4	Ø8	1	225	225	225	0.9	
	5	Ø8	1	220	220	220	0.9	
	6	Ø8	1	105	120	120	0.5	
	7	Ø6.3	2	359	374	748	1.8	
	8	Ø8	1	275	275	275	1.1	
	9	Ø8	2	280	280	560	2.2	
	10	Ø5	80	11	82	6560		10.3
						Total:	19.2	10.3
V 6	1	Ø6.3	4	544	574	2296	5.6	
	2	Ø8	2	124	140	280	1.1	
	3	Ø8	1	410	410	410	1.6	
	4	Ø5	26	11	102	2652		4.2
						Total:	8.3	4.2
V 7	1	Ø6.3	4	544	574	2296	5.6	
	2	Ø8	2	128	145	290	1.1	
	3	Ø8	1	410	410	410	1.6	
	4	Ø5	26	11	102	2652		4.2
						Total:	8.3	4.2
V 8	1	Ø6.3	4	544	574	2296	5.6	
	2	Ø8	1	122	140	140	0.6	
	3	Ø8	1	125	140	140	0.6	
	4	Ø8	1	475	475	475	1.9	
	5	Ø5	26	11	102	2652		4.2
						Total:	8.7	4.2
V 9=V 10=V 11=V 12 V 13=V 14=V 15	1	Ø10	2	694	724	1448	8.9	
	2	Ø10	2	694	694	1388	8.6	
	3	Ø5	24	7	86	2064		3.2
						Total:	17.5	3.2
						(x7):	122.5	22.4
						Ø5:	0.0	83.8
						Ø6.3:	48.6	0.0
						Ø8:	24.4	0.0
						Ø10:	264.6	0.0
						Ø12.5:	2.4	0.0
						Total:	340.0	83.8

Juiz de Fora  
Secretaria de Obras -SO



REVISÕES				PROJETO ESTRUTURAL EM CONCRETO ARMADO			
REV	POR	DATA	DESCRIÇÃO	MUSEU MARIANO PROCÓPIO - VIVEIRO CISNES E DEPÓSITO			
00	Clayton M.	10/08/2023	EMISSION INICIAL	ENDEREÇO: RUA MARIANO PROCÓPIO, 1100, BAIRRO MARIANO PROCÓPIO, JUIZ DE FORA - MG			
				IDETALHAMENTO DE VIGAS DO TÉRREO			
				AUTOR:	AUTOR:	AUTOR:	
				ARQ. VIVIANE CATTEM MORENO CAU/ES: A158072-8	ENG. CARLOS RENATO PRÓCULO CREA/ES: 031715-D	ENG. CLAYTON MONTANARO CREA/ES: 047798/D	

DESENHO: CLAYTON MONTANARO  
ESCALA: INDICADA  
DATA: 10/08/2023  
CÓDIGO: EST-AMPL-MMP-JF-3  
FRANQUISA:  
**03/08**  
RVS-10/08/2023  
MONTANARO

DE ACORDO COM A LEGISLAÇÃO VIGENTE, CABA AO AUTOR DO PROJETO QUALQUER ALTERAÇÃO, BEM COMO OS DIREITOS AUTORAIS SOBRE O MESMO.  
TODAS AS MEDIDAS DEVERÃO SER CONFERIDAS NO LOCAL.