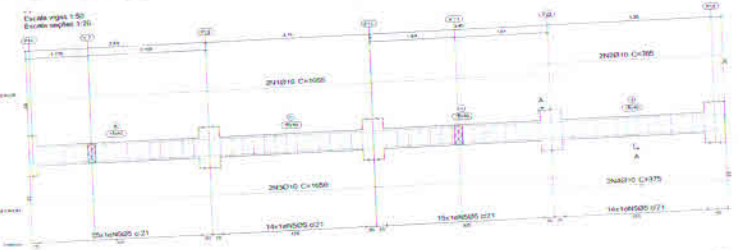

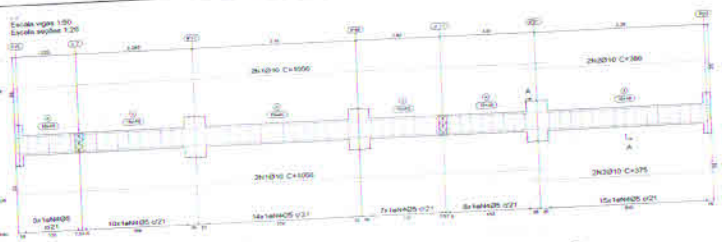

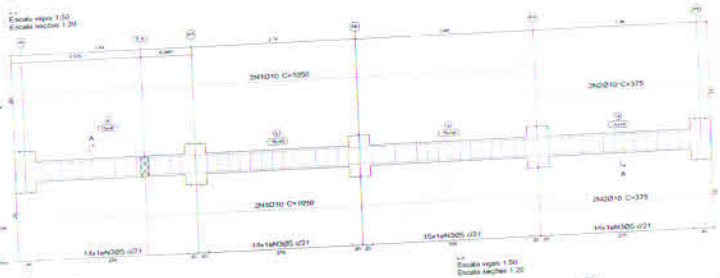

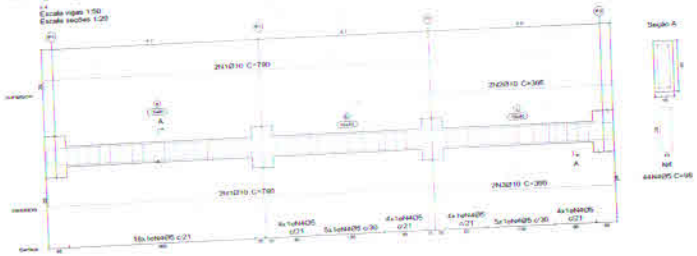

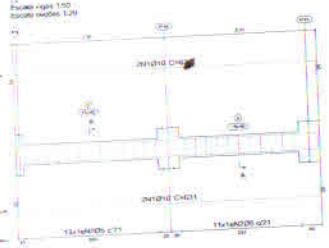

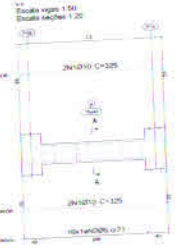

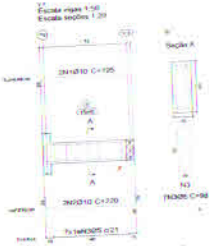

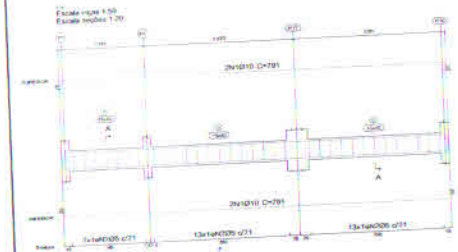

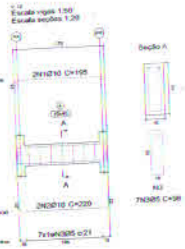

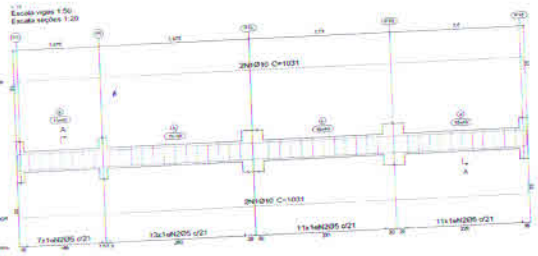

Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 1	1	Ø10	2		1055	2110	13,0	
	2	Ø10	2		385	770	4,7	
	3	Ø10	2		1050	2100	12,9	
	4	Ø10	2		375	750	4,6	
	5	Ø5	58		98	5684		9,9
						Total+10%	36,7	9,8
V 2	1	Ø10	4		1050	4200	25,9	
	2	Ø10	2		380	760	4,7	
	3	Ø10	2		375	750	4,6	
	4	Ø5	59		98	5782		9,1
						Total+10%	36,7	10,0
V 3	1	Ø10	4		1050	4200	25,9	
	2	Ø10	2		375	1500	9,2	
	3	Ø5	57		98	5586		8,6
						Total+10%	36,8	9,7
V 4	1	Ø10	4		790	3160	19,5	
	2	Ø10	2		365	730	4,5	
	3	Ø10	2		390	780	4,8	
	4	Ø5	44		98	4312		6,8
						Total+10%	31,7	7,5
V 5	1	Ø10	4		631	2524	15,6	
	3	Ø5	24		98	2352		3,7
						Total+10%	17,7	4,1
V 6	1	Ø10	4		325	1300	8,0	
	2	Ø5	10		98	980		1,5
						Total+10%	8,8	1,7
V 7+V 11	1	Ø10	2		250	500	3,1	
	2	Ø10	3		300	600	3,7	
	3	Ø5	11		98	1078		1,7
						Total+10% (x2)	7,5 15,0	1,9 3,8
V 8	1	Ø10	2		195	390	2,4	
	2	Ø10	2		220	440	2,7	
	3	Ø5	7		98	686		1,1
						Total+10%	5,6	1,2
V 9	1	Ø10	4		791	3164	19,5	
	2	Ø5	33		98	3234		5,1
						Total+10%	21,5	5,6
V 10	1	Ø10	4		300	1200	7,4	
	2	Ø5	11		98	1078		1,7
						Total+10%	8,1	1,9
V 12	1	Ø10	2		195	390	2,4	
	2	Ø10	2		220	440	2,7	
	3	Ø5	7		98	686		1,1
						Total+10%	5,6	1,2
V 13	1	Ø10	4		1031	4124	25,4	
	2	Ø5	42		98	4116		6,5
						Total+10%	27,9	7,2
						Ø5	9,6	63,7
						Ø10	257,4	0,0
						Total	257,4	63,7

NÍVEL 1 - Térreo
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 1:20
Escala aberturas 1:20

Resumo Aço Desenho de vigas		Comp. total (m)	Peso+10% (kg)	Total
CA-50	Ø10	379,8	257	257
CA-60	Ø5	366,5	63	63
Total				320

JOÃO ADELMO LESSA
ENG. CIVIL - CREA 58.756/D

PREFEITURA MUNICIPAL DE COIMBRA

PREFEITURA MUNICIPAL DE COIMBRA

RESPONSÁVEL TÉCNICO:
JOÃO ADELMO LESSA
ENG. CIVIL - CREA 58.756/D

PREFEITURA MUNICIPAL DE COIMBRA

ASSUNTO: ESTRUTURAL
PROJETO: VIGAS BALDRAME
OBRA: AMPLIAÇÃO DA CRECHE
ENDEREÇO: RUA JOSÉ MATIAS CUNHA - CENTRO - COIMBRA - MG
FOLHA: 1 de 1
DATA: 04/2020
ÁREA: 159,50 m²