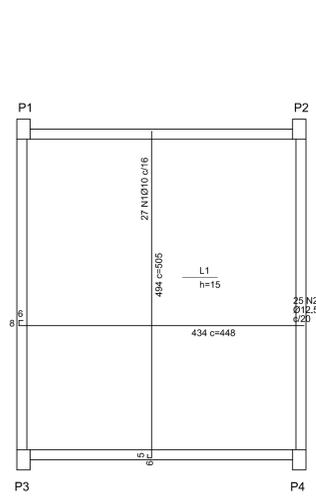


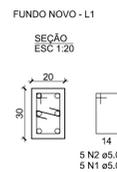
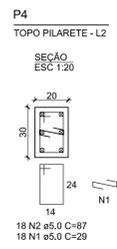
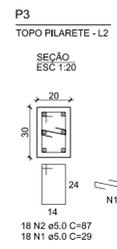
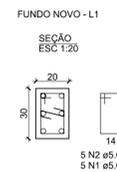
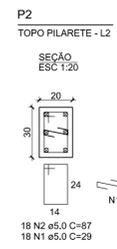
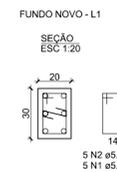
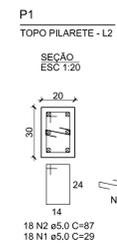
ELEMENTO	AÇO	POSICÃO	DIÂMETRO	COMPRIMENTO	QUANTIDADE	VIGAS E LAJE		PESO CA60 (5.0)-0.15 kg/m	PESO CA50(6.3)-0.24 5kg/m	PESO CA50(8.0)-0.19kg/m	PESO CA50(10.0)-0.17kg/m	PESO CA50(12.5)-0.16kg/m	PESO CA50(16.0)-1.5 57kg/m
						COMPRIMENTO TOTAL	NR BARRAS						
VIGA 1	CA 50	N6	16	5.27	2	10.54	0.878						
	CA 50	N5	16	5.27	1	5.27	0.439						
	CA 50	N3	16	4.58	1	4.58	0.362						
	CA 50	N2	6.3	0.86	2	1.72	0.143		0.42	1.61			
	CA 50	N4	10	4.58	3	13.74	1.145				8.48		
	CA 60	N1	5	0.97	22	21.34	1.778						
VIGA 2	CA 50	N6	16	5.31	2	10.62	0.885						
	CA 50	N5	16	5.31	1	5.31	0.443						
	CA 50	N3	16	4.58	1	4.58	0.362						
	CA 50	N2	6.3	0.86	4	3.44	0.287		0.84	2.88			
	CA 50	N4	10	4.58	3	13.74	1.145				8.48		
	CA 60	N1	5	0.97	22	21.34	1.778						
VIGA 3	CA 50	N4	16	6.36	2	12.72	1.060						
	CA 50	N3	16	6.36	1	6.36	0.530						
	CA 50	N2	16	5.62	2	11.24	0.937						
	CA 60	N1	5	0.97	26	25.22	2.102		3.78				
	CA 50	N4	16	6.28	2	12.56	1.047						
	CA 50	N3	16	6.28	1	6.28	0.523						
VIGA 4	CA 50	N2	16	5.62	2	11.24	0.937						
	CA 60	N1	5	0.97	26	25.22	2.102		3.78				
	CA 50	N4	8	4.95	3	14.85	1.245			3.83			
	CA 50	N3	8	1.11	1	1.11	0.093			0.44			
	CA 50	N2	8	4.54	2	9.08	0.757			3.59			
	CA 60	N1	10	0.97	22	21.34	1.778		3.20				
VIGA 101	CA 50	N3	16	4.86	2	9.72	0.810				6.00		
	CA 50	N2	8	4.54	2	9.08	0.757			3.59			
	CA 60	N1	8	5.97	22	21.34	1.778		3.20				
	CA 50	N3	8	5.69	2	11.38	0.948			4.50			
	CA 50	N2	8	5.24	2	10.48	0.873			4.14			
	CA 60	N1	10	0.97	26	25.22	2.102		3.78				
VIGA 102	CA 50	N3	10	5.17	2	10.34	0.849			4.56			
	CA 50	N2	8	5.24	2	10.48	0.873			4.14			
	CA 60	N1	10	0.97	26	25.22	2.102		3.78				
	CA 50	N1	10	5.05	27	136.35	11.363					84.13	
	CA 50	N2	12.5	4.48	25	112	9.333					107.86	
	CA 60	N3							27.94	3.26	30.58	109.91	107.86
TOTAIS DE PESO POR DIÂMETRO:													
LAJE INF.	CA 60		6.3	137.87		137.87				33.09			
	CA 60		6.3	137.87		137.87				33.09			
TOTAIS DE PESO POR DIÂMETRO:													
68.18													

ELEMENTO	AÇO	POSICÃO	DIÂMETRO	COMPRIMENTO	QUANTIDADE	PILARES		PESO CA60 (5.0)-0.15 kg/m	PESO CA50(16.0)-1.5 44kg/m	PESO CA50(20.0)-2 44kg/m
						COMPRIMENTO TOTAL	NR BARRAS			
P1-L2	CA 60	N1	5	0.29	18	5.22	0.435			
	CA 60	N2	5	0.87	18	15.66	1.305	2.35		
P1-L1	CA 50	N3	16	3.37	6	20.22	1.685		31.91	
	CA 60	N1	5	0.28	5	1.4	0.117	0.21		
P2-L2	CA 60	N2	5	0.87	5	4.35	0.363	0.65		25.88
	CA 50	N3	16	1.75	6	10.5	0.875			
P2-L1	CA 50	N1	5	0.29	18	5.22	0.435	0.78		
	CA 60	N2	5	0.87	18	15.66	1.305	2.35		
P3-L2	CA 50	N3	16	3.37	6	20.22	1.685		31.91	
	CA 50	N1	5	0.28	5	1.4	0.117	0.21		
P3-L1	CA 50	N2	5	0.87	5	4.35	0.363	0.65		25.88
	CA 60	N3	16	1.75	6	10.5	0.875			
P4-L2	CA 50	N1	5	0.39	18	7.02	0.585	1.06		
	CA 50	N2	5	0.87	18	15.66	1.305	2.35		
P4-L1	CA 60	N3	16	3.37	6	20.22	1.685		31.91	
	CA 50	N1	5	0.28	5	1.4	0.117	0.21		
P4-L1	CA 50	N2	5	0.87	5	4.35	0.363	0.65		25.88
	CA 60	N3	16	1.75	6	10.5	0.875			
TOTAIS DE PESO POR DIÂMETRO:										
16.25										
127.63										
26.96										

VOLUME DE CONCRETO E FORMAS PARA VIGAS					
VIGA	LARGURA	ALTURA	EXTENSÃO	VOLUME	FORMAS
V1	0.15	0.40	4.00	0.24	3.80
V2	0.15	0.40	4.00	0.24	3.80
V3	0.15	0.40	4.70	0.282	4.47
V4	0.15	0.40	4.70	0.282	4.47
V101	0.15	0.40	4.00	0.24	3.80
V102	0.15	0.40	4.00	0.24	3.80
V103	0.15	0.40	4.70	0.282	4.47
V104	0.15	0.40	4.70	0.282	4.47
TOTAIS					33.80



ARMAÇÃO POSITIVA DA LAJE L1
ESC: 1/20



PREFEITURA DE CÂNOAS

EMEF RIO GRANDE DO SUL
Rua Wenceslau Brás, 35 - Bairro Mato Grande

PROJETO: Indicada
CONTEÚDO: John
RESPONSÁVEL TÉCNICO: Silvia Regina Brier | CRE: 50.270

DATA: Out/2020
ESCALA: Indicada
DESENHO: John
FRANCHA: 02/02