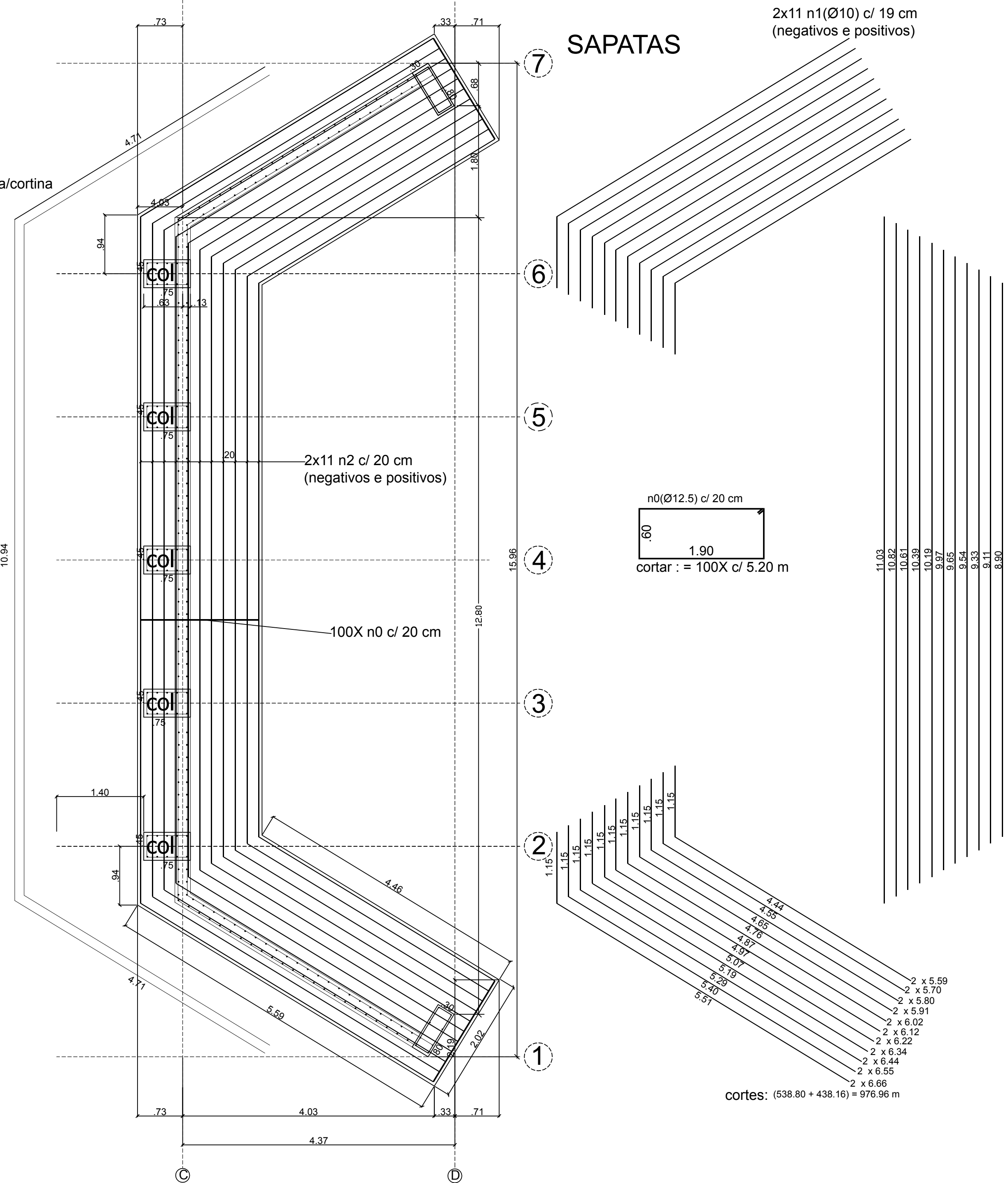
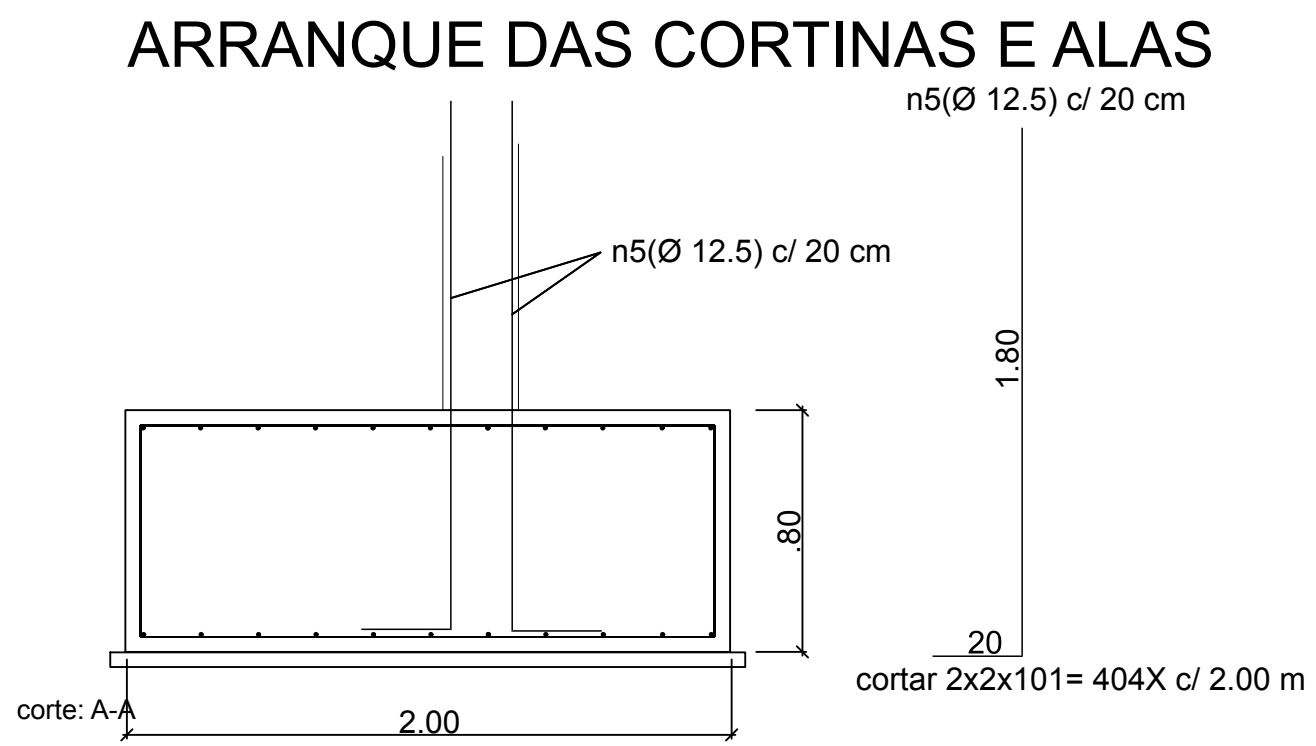
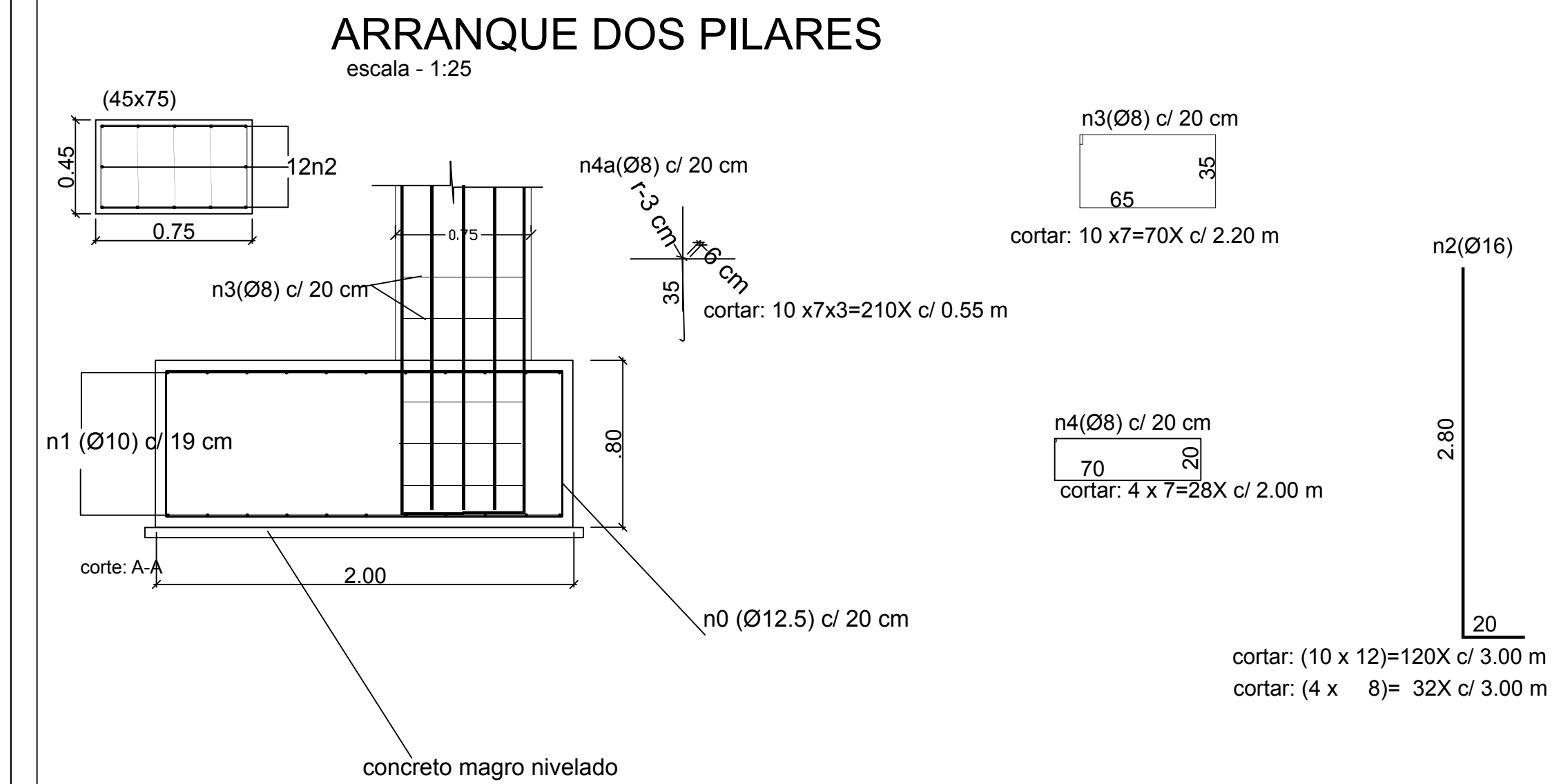


PLANTA - SAPATA E COLUNAS
ESCALA: 1:50



RESUMO DE AÇO CA 50			
bitola (Ø)	comp. (m)	kg/m	total (kg)
8	410.94	0.40	164.37
10	976.96	0.63	615.48
12.5	1848.00	1.00	1848.00
16	456.00	1.60	729.60
total = 3.357.46 kg			
+10% 3.693.21 kg			

Concreto - fck - 30 Mpa = 65.00 m³
Forma para concreto = 70.00 m²

POSICÃO	BITOLA	quant	CORTE(m)	total(m)	total (m) + 10%	Peso unitário	Peso real (Kg)	Peso +10% (Kg)
N0	12.5	200	5.2	1040	1144.00	1	1040.00	1144.00
N1	10	176	VARIÁVEL	976.96	1074.66	0.63	615.48	677.03
N2	16	120	3	360	396.00	1.6	576.00	633.60
N3	16	32	3	96	105.60	1.6	153.60	168.96
N4	8	70	2.2	154	169.40	0.4	61.60	67.76
N5	8	28	2	56	61.60	0.4	22.40	24.64
N6	8	210	0.55	115.5	127.05	0.4	46.20	50.82
N7	12.5	404	2	808	888.80	1	808.00	888.80
N8	8	4	VARIÁVEL	85.44	93.98	0.4	34.18	37.59

RONÉ
Engenharia, Projetos,
Consultoria e Construção Ltda.

PROJETO ESTRUTURAL - FUNDAÇÕES	F-02
PREFEITURA MUNICIPAL DE JAU - SP	000000
Local - Ponte - RIBEIRÃO POUSO ALEGRE - Estância Soave	000000
02/01/2019	000000
02/01/2019 10:51:00 000000 000000	000000