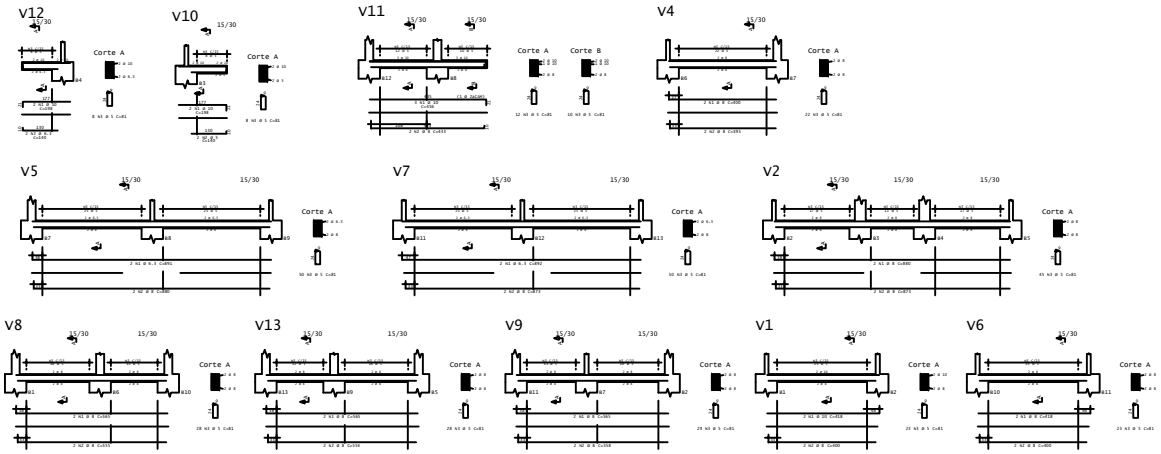
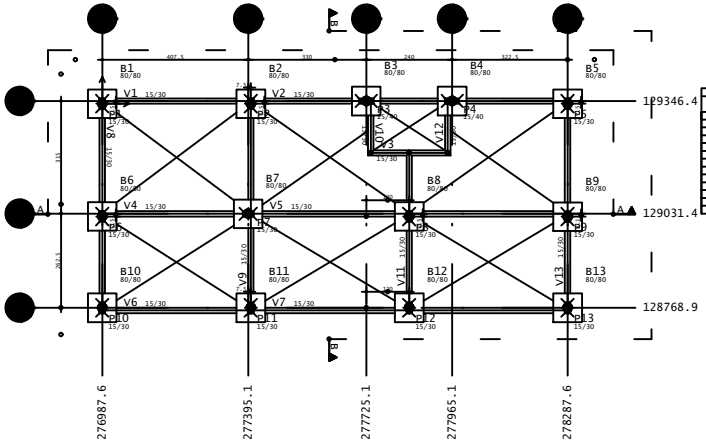


AÇO	ASTM	BITOLA (MM)	QUANT.	COMPRIMENTO UNIT. (CM)	COMPRIMENTO TOTAL (CM)
CA-50					
	1	5	2	240	480
	2	5	4	240	960
	3	5	2	241	482
CA-60					
	4	5	2	435	870
	5	5	2	435	870
CA-50					
	6	5	2	240	480
	7	5	4	240	960
	8	5	2	241	482
CA-60					
	9	5	2	435	870
	10	5	2	435	870
CA-50					
	11	5	2	240	480
	12	5	4	240	960
	13	5	2	241	482
CA-60					
	14	5	2	435	870
	15	5	2	435	870
CA-50					
	16	5	2	240	480
	17	5	4	240	960
	18	5	2	241	482
CA-60					
	19	5	2	435	870
	20	5	2	435	870
CA-50					
	21	5	2	240	480
	22	5	4	240	960
	23	5	2	241	482
CA-60					
	24	5	2	435	870
	25	5	2	435	870
CA-50					
	26	5	2	240	480
	27	5	4	240	960
	28	5	2	241	482
CA-60					
	29	5	2	435	870
	30	5	2	435	870

RESUMO DE AÇO POR CLASSE					
AÇO	ASTM	BITOLA (MM)	COMPR. (M)	PESO (KG)	
CA-50	5	5	144	14	
CA-60	5	5	261	16	
	5	5	405	30	
Peso total				30 kg	
Peso total				30 kg	



Baricentros de pilares			
Pilar	X (cm)	Pilar	Y (cm)
P1	-0.0	P10	-370.0
P10	-0.0	P11	-370.0
P6	-0.0	P12	-370.0
P7	407.5	P13	-370.0
P2	415.0	P9	-315.0
P11	415.0	P8	-315.0
P3	737.5	P6	-315.0
P12	837.5	P7	-307.5
P8	837.5	P2	0.0
P4	977.5	P1	0.0
P9	1300.0	P3	0.0
P5	1300.0	P4	7.5
P13	1300.0	P5	7.5

CHRISTIAN JOSE NOGUEIRA DE SOUZA:06996819873

Assinado de forma digital por CHRISTIAN JOSE NOGUEIRA DE SOUZA:06996819873
Dados: 2021.10.01 13:35:59 -03'00'

CONCRETO
fck = 30 MPa

PREFEITURA MUNICIPAL DE SERRANO

OBRA

CAMPUS UNIVERSITÁRIO - ANDARAÍ E ARU

PLANTA

VIGAS BALDRAMES

Escala: 1:7

Data: 1.7.2021

Rev. 1.7.2021

Rev. 1.7