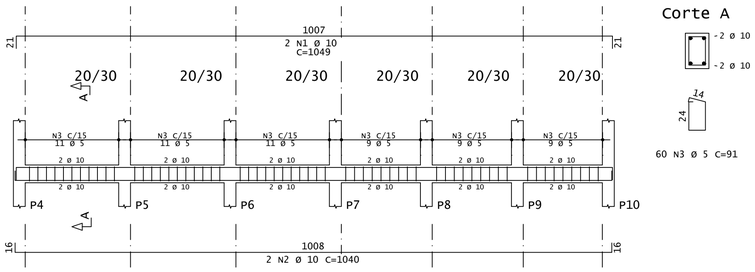
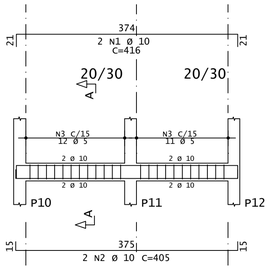
v1



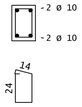
Corte A

60 N3 Ø 5 C=91

v2

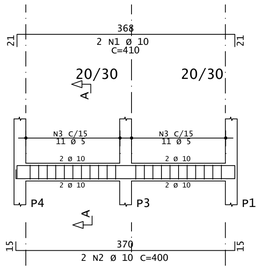


Corte A

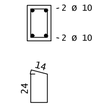


23 N3 Ø 5 C=91

v3

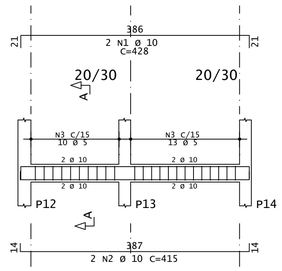


Corte A

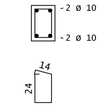


22 N3 Ø 5 C=91

v4

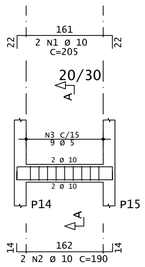


Corte A

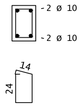


23 N3 Ø 5 C=91

v5

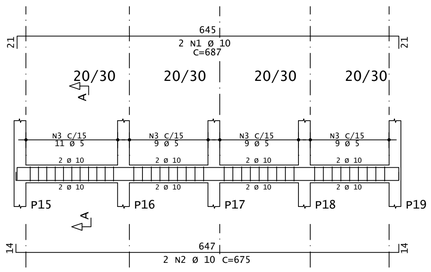


Corte A

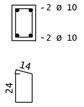


9 N3 Ø 5 C=91

v6

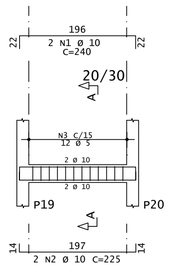


Corte A

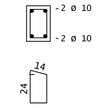


38 N3 Ø 5 C=91

v7

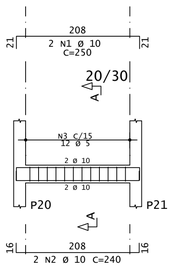


Corte A

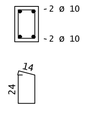


12 N3 Ø 5 C=91

v8

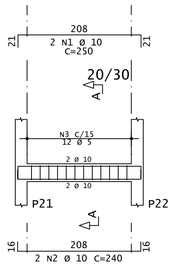


Corte A

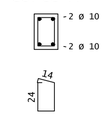


12 N3 Ø 5 C=91

v9

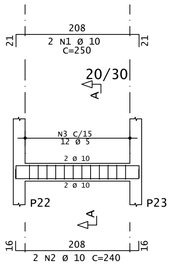


Corte A

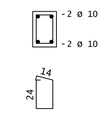


12 N3 Ø 5 C=91

v10

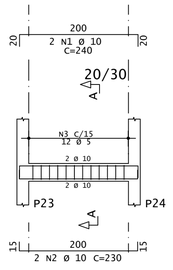


Corte A

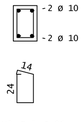


12 N3 Ø 5 C=91

v11

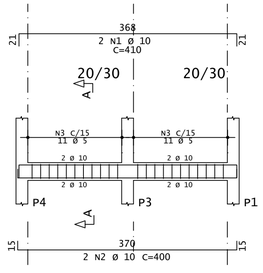


Corte A

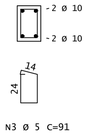


12 N3 Ø 5 C=91

v104

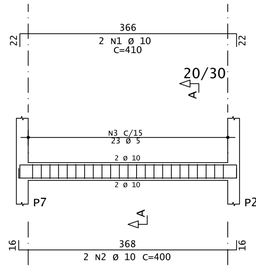


Corte A

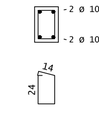


22 N3 Ø 5 C=91

v105

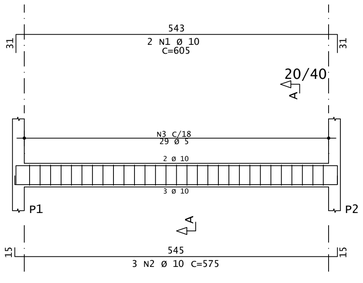


Corte A

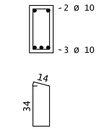


23 N3 Ø 5 C=91

v101

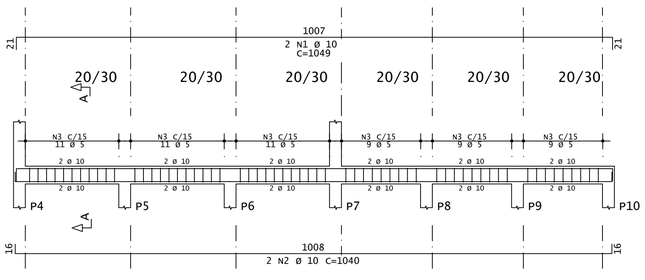


Corte A

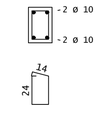


29 N3 Ø 5 C=111

v102

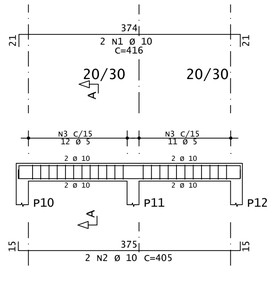


Corte A

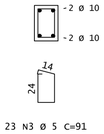


60 N3 Ø 5 C=91

v103



Corte A



23 N3 Ø 5 C=91

AÇO	POS	BIT	QUANT	COMPRIMENTO	
				UNIT	TOTAL
		mm		cm	cm
V1					
50A	1	10	2	1049	2098
50A	2	10	2	1040	2080
60A	3	5	60	91	5460
V2					
50A	1	10	2	416	832
50A	2	10	2	405	810
60A	3	5	23	91	2093
V3					
50A	1	10	2	410	820
50A	2	10	2	400	800
60A	3	5	22	91	2002
V4					
50A	1	10	2	428	856
50A	2	10	2	415	830
60A	3	5	23	91	2093
V5					
50A	1	10	2	205	410
50A	2	10	2	190	380
60A	3	5	9	91	819
V6					
50A	1	10	2	687	1374
50A	2	10	2	675	1350
60A	3	5	38	91	3458
V7					
50A	1	10	2	240	480
50A	2	10	2	225	450
60A	3	5	12	91	1092
V8					
50A	1	10	2	250	500
50A	2	10	2	240	480
60A	3	5	12	91	1092
V9					
50A	1	10	2	250	500
50A	2	10	2	240	480
60A	3	5	12	91	1092
V10					
50A	1	10	2	250	500
50A	2	10	2	240	480
60A	3	5	12	91	1092
V11					
50A	1	10	2	240	480
50A	2	10	2	230	460
60A	3	5	12	91	1092
V101					
50A	1	10	2	605	1210
50A	2	10	3	575	1725
60A	3	5	29	111	3219
V102					
50A	1	10	2	1049	2098
50A	2	10	2	1040	2080
60A	3	5	60	91	5460
V103					
50A	1	10	2	416	832
50A	2	10	2	405	810
60A	3	5	23	91	2093
V104					
50A	1	10	2	410	820
50A	2	10	2	400	800
60A	3	5	22	91	2002
V105					
50A	1	10	2	410	820
50A	2	10	2	400	800
60A	3	5	23	91	2093

RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
60A	5	363	56
50A	10	294	182
Peso Total	60A =		56 kgf
Peso Total	50A =		182 kgf

RAPHAEL GANNAM ALVES
ENGENHEIRO CIVIL - CREA: 226.286/D

SOΣA
PROJETOS E EXECUÇÕES DE OBRAS

raphaeleng@outlook.com
(35)99878-3875

CONCRETO fck = 25 MPa	RAPHAEL GANNAM ALVES:07646427667	OBRA Nº	527
RESP. TÉCNICO RAPHAEL GANNAM ALVES CREA 226.286/D		DES. Nº	004
CLIENTE PREFEITURA - ALFREDO VASCONCELOS		REV. Nº	00
OBRA GARAGEM			
TITULO DETALHAMENTO VIGAS			
DATA 25/08/2026	ESCALA Indicada	DESENHO DET-VIG	FORMATO A1
			ENG Nº RAPHAEL

Assinado digitalmente por RAPHAEL GANNAM ALVES:07646427667
ND: C=BR, O=ICP-Brasil, OU=Secretaria da Receita Federal do Brasil - RFB, OU=RFB e-CPF A1, OU=(EM BRANCO), OU=13036592000143, OU=videoconferencia, CN=RAPHAEL GANNAM ALVES:07646427667
Razão: Eu sou o autor deste documento
Localização:
Data: 2026.08.27 06:24:17-03'00'
Foxit PDF Reader Versão: 2025.2.0