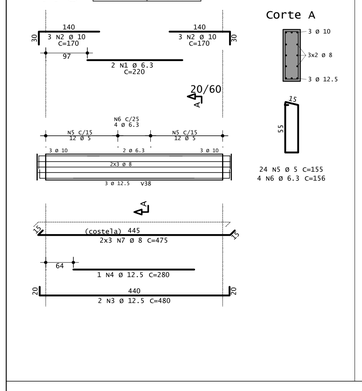
V78

Volume m3	Área de forma m2
0.44	5.74

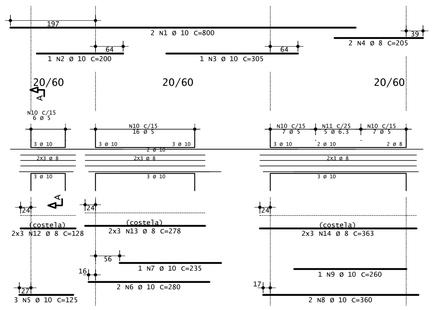


Corte A

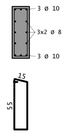
24 N5 Ø 5 C=155
4 N6 Ø 6.3 C=156

V79

Volume m3	Área de forma m2
0.94	12.18



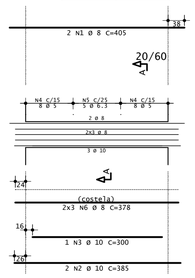
Corte A



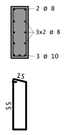
36 N10 Ø 5 C=155
5 N11 Ø 6.3 C=156

V80

Volume m3	Área de forma m2
0.36	4.62



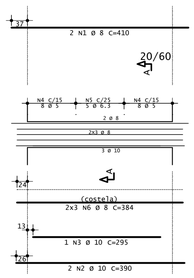
Corte A



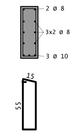
16 N4 Ø 5 C=155
5 N5 Ø 6.3 C=156

V81

Volume m3	Área de forma m2
0.36	4.70



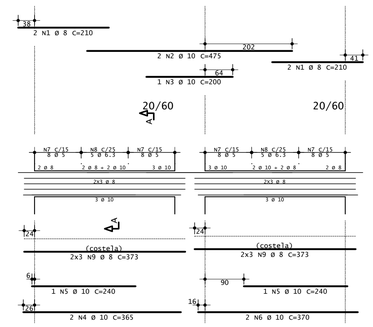
Corte A



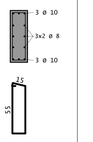
16 N4 Ø 5 C=155
5 N5 Ø 6.3 C=156

V82

Volume m3	Área de forma m2
0.78	10.08



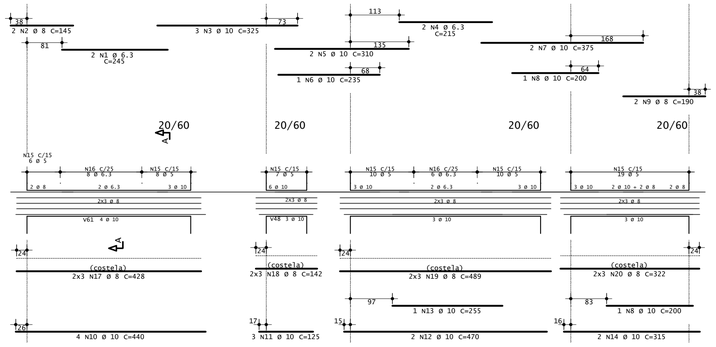
Corte A



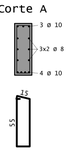
32 N7 Ø 5 C=155
10 N8 Ø 6.3 C=156

V83

Volume m3	Área de forma m2
1.65	21.45



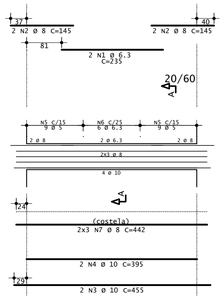
Corte A



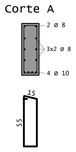
60 N15 Ø 5 C=155
14 N16 Ø 6.3 C=156

V84

Volume m3	Área de forma m2
0.43	5.53



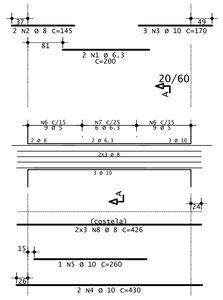
Corte A



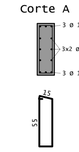
18 N5 Ø 5 C=155
6 N6 Ø 6.3 C=156

V85

Volume m3	Área de forma m2
0.41	5.29



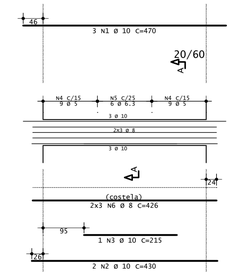
Corte A



18 N6 Ø 5 C=155
6 N7 Ø 6.3 C=156

V86

Volume m3	Área de forma m2
0.41	5,29

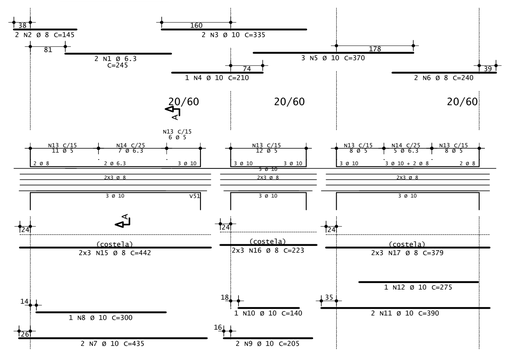


Corte A

18 N4 Ø 5 C=155
6 N5 Ø 6.3 C=156

V87

Volume m3	Área de forma m2
1.12	14.56

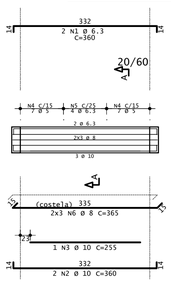


Corte A

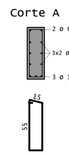
45 N13 Ø 5 C=155
12 N14 Ø 6.3 C=156

V88

Volume m3	Área de forma m2
0.32	4.20



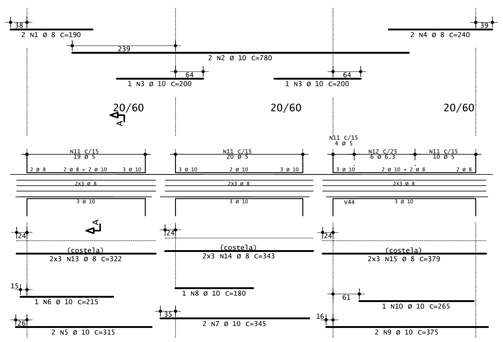
Corte A



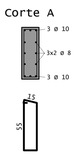
14 N4 Ø 5 C=155
4 N5 Ø 6.3 C=156

V89

Volume m3	Área de forma m2
1.12	14.56



Corte A



53 N11 Ø 5 C=155
6 N12 Ø 6.3 C=156

V78						
	50A	1	6.3	2	220	440
	50A	2	10	6	170	1020
	50A	3	12.5	2	480	960
	50A	4	12.5	1	280	280
	60A	5	5	24	155	3720
	50A	6	6.3	4	156	624
	50A	7	8	6	475	2850
V79						
	50A	1	10	2	800	1600
	50A	2	10	1	200	200
	50A	3	10	1	305	305
	50A	4	8	2	205	410
	50A	5	10	3	125	375
	50A	6	10	2	280	560
	50A	7	10	1	235	235
	50A	8	10	2	360	720
	50A	9	10	1	260	260
	60A	10	5	36	155	5580
	60A	11	6.3	5	156	780
	50A	12	8	6	128	768
	50A	13	8	6	278	1668
	50A	14	8	6	363	2178
V80						
	50A	1	8	2	405	810
	50A	2	10	2	385	770
	50A	3	10	1	300	300
	60A	4	5	16	155	2480
	50A	5	6.3	5	156	780
	50A	6	8	6	378	2268

V81						
	50A	1	8	2	410	820
	50A	2	10	2	390	780
	50A	3	10	1	295	295
	60A	4	5	16	155	2480
	50A	5	6.3	5	156	780
	50A	6	8	6	384	2304
V82						
	50A	1	8	4	210	840
	50A	2	10	2	475	950
	50A	3	10	1	200	200
	50A	4	10	2	365	730
	50A	5	10	2	240	480
	50A	6	10	2	370	740
	60A	7	5	32	155	4960
	50A	8	6.3	10	156	1560
	50A	9	8	12	373	4476
V83						
	50A	1	6.3	2	245	490
	50A	2	8	2	145	290
	50A	3	10	3	325	975
	50A	4	6.3	2	215	430
	50A	5	10	2	310	620
	50A	6	10	1	235	235
	50A	7	10	2	375	750
	50A	8	10	2	200	400
	50A	9	8	2	190	380
	50A	10	10	4	440	1760
	50A	11	10	3	125	375
	50A	12	10	2	470	940
	50A	13	10	1	255	255
	50A	14	10	2	315	630
	60A	15	5	60	155	9300
	50A	16	6.3	14	156	2184
	50A	17	8	6	428	2568
	50A	18	8	6	142	852
	50A	19	8	6	489	2934
	50A	20	8	6	322	1932
V84						
	50A	1	6.3	2	235	470
	50A	2	8	4	145	580
	50A	3	10	2	455	910
	50A	4	10	2	395	790
	60A	5	5	18	155	2790
	50A	6	6.3	6	156	936
	50A	7	8	6	442	2652
V85						
	50A	1	6.3	2	200	400
	50A	2	8	2	145	290
	50A	3	10	3	170	510
	50A	4	10	2	430	860
	50A	5	10	1	260	260
	60A	6	5	18	155	2790
	50A	7	6.3	6	156	936
	50A	8	8	6	426	2556
V86						
	50A	1	10	3	470	1410
	50A	2	10	2	430	860
	50A	3	10	1	215	215
	60A	4	5	18	155	2790
	50A	5	6.3	6	156	936
	50A	6	8	6	426	2556
V87						
	50A	1	6.3	2	245	490
	50A	2	8	2	145	290
	50A	3	10	2	335	670
	50A	4	10	1	210	210
	50A	5	10	3	370	1110
	50A	6	8	2	240	480
	50A	7	10	2	435	870
	50A	8	10	1	300	300
	50A	9	10	2	205	410
	50A	10	10	1	140	140
	50A	11	10	2	390	780
	50A	12	10	1	275	275
	60A	13	5	45	155	6975
	50A	14	6.3	12	156	1872
	50A	15	8	6	442	2652
	50A	16	8	6	223	1338
	50A	17	8	6	379	2274
V88						
	50A	1	6.3	2	360	720
	50A	2	10	2	360	720
	50A	3	10	1	255	255
	60A	4	5	14	155	2170
	50A	5	6.3	4	156	624
	50A	6	8	6	365	2190
V89						
	50A	1	8	2	190	380
	50A	2	10	2	780	1560
	50A	3	10	2	200	400
	50A	4	8	2	240	480
	50A	5	10	2	315	630
	50A	6	10	1	215	215
	50A	7	10	2	345	690
	50A	8	10	1	180	180
	50A	9	10	2	375	750
	50A	10	10	1	265	265
	60A	11	5	53	155	8215
	50A	12	6.3	6	156	936
	50A	13	8	6	322	1932
	50A	14	8	6	343	2058
	50A	15	8	6	379	2274
V90						
	50A	1	8	4	195	780
	50A	2	10	3	850	2550
	50A	3	10	3	290	870
	50A	4	10	3	295	885
	50A	5	10	2	310	620
	50A	6	10	1	225	225
	60A	7	5	50	155	7750
	50A	8	8	6	277	1662
	50A	9	8	6	291	1746
	50A	10	8	6	297	1782
V91						
	50A	1	6.3	2	430	860
	50A	2	10	2	430	860
	50A	3	10	1	295	295
	60A	4	5	18	155	2790
	50A	5	6.3	5	156	780
	50A	6	8	6	434	2604
V92						
	50A	1	8	2	305	610
	50A	2	10	3	280	840
	60A	3	5	16	155	2480
	50A	4	8	6	277	1662
V93						
	50A	1	8	2	320	640
	50A	2	10	2	295	590
	50A	3	10	1	230	230
	60A	4	5	17	155	2635
	50A	5	8	6	291	1746
V94						
	50A	1	8	2	195	390
	50A	2	10	3	255	765
	50A	3	10	2	290	580
	50A	4	10	1	195	195
	50A	5	10	3	90	270
	60A	6	5	21	155	3255
	50A	7	8	6	297	1782
	50A	8	8	6	94	564

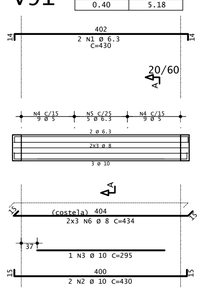
RESUMO DE AÇO			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60A	5	732	113
50A	6.3	180	44
50A	8	693	274
50A	10	435	268
50A	12.5	12	12
Peso Total	60A =		113 kg
Peso Total	50A =		598 kg

WELIGTONN RENANN TAVARES: 00959132970

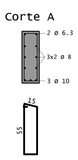
Assinado digitalmente por WELIGTONN RENANN TAVARES:00959132970 DN: C=BR, O=ICP-Brasil, OU=VideoConferencia, OU=Secretaria da Receita Federal do Brasil - RFB, OU=RFB e-CPF A1, OU=(em branco), CN=WELIGTONN RENANN TAVARES:00959132970
Verifique a validade deste documento
Data: 2022-04-05 14:36:48

V91

Volume m3	Área de forma m2
0.40	5.18



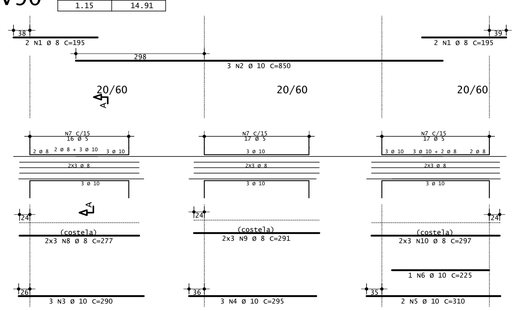
Corte A



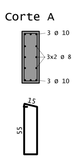
18 N4 Ø 5 C=155
5 N5 Ø 6.3 C=156

V90

Volume m3	Área de forma m2
1.15	14.91



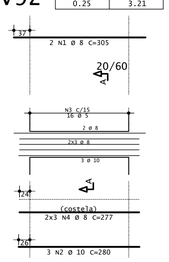
Corte A



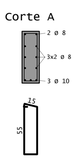
50 N7 Ø 5 C=155

V92

Volume m3	Área de forma m2
0.25	3.21



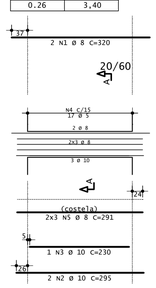
Corte A



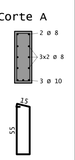
16 N3 Ø 5 C=155

V93

Volume m3	Área de forma m2
0.26	3,40



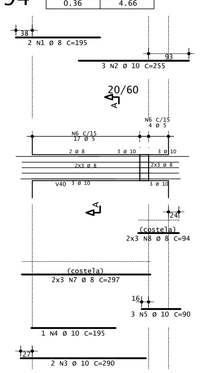
Corte A



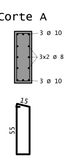
17 N4 Ø 5 C=155

V94

Volume m3	Área de forma m2
0.36	4.66



Corte A



21 N6 Ø 5 C=155

NOTAS DE PROJETO:

1. DIMENSÕES EM cm, EXCETO ONDE INDICADO.
2. O CONCRETO UTILIZADO DEVERÁ SER DA CLASSE C30 CONFORME DISCRIMINADO NA NBR 6118 (ABNT, 2014).
3. O CONTROLE DAS DIMENSÕES AQUI APRESENTADAS DEVERÁ SER RIGOROSO, QUALQUER DIVERGÊNCIA O PROJETISTA DEVERÁ SER CONSULTADO.
4. ALTERAÇÕES DO PROJETO DEVERÃO SAR VALIDADAS PELO PROJETISTA.
5. COBRIMENTO MÍNIMO DAS ARMADURAS: 2,5 cm.

REV	DESCRIÇÃO	DESENHO	APROV.	DATA
2	TABELA DE VOLUME E ÁREA DE FORMA	PJC	PJC	04/04/2022
1	TABELA DE VOLUME E ÁREA DE FORMA	PJC	PJC	25/03/2022
0	INICIAL	PJC	PJC	18/10/2019

Projeto estrutural

PROJECALC ENGENHARIA

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Obra

GINÁSIO DE ESPORTES PATO BRANCO

PROJETO EXECUTIVO

ARMADURAS DAS VIGAS BALDRAME - 08/10

Proprietário
PREFEITURA MUNICIPAL DE PATO BRANCO

Endereço
RUA BENJAMIN BORGES, BAIRRO FRARON, PATO BRANCO - PR

Escala: INDICADA
Data: 10/2019

NUMERO
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