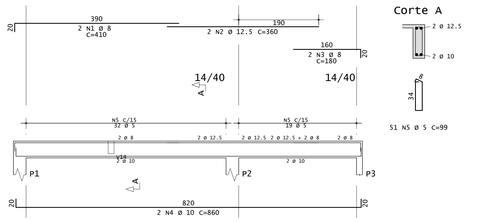
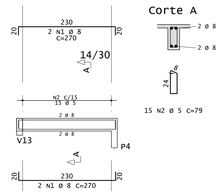
v1



Corte A

51 N5 Ø 5 C=99

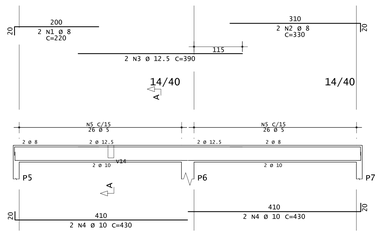
v2



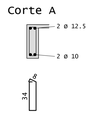
Corte A

15 N2 Ø 5 C=79

v3

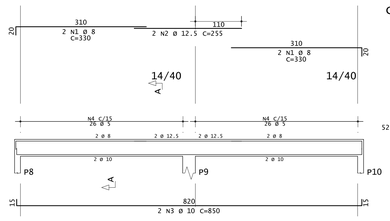


Corte A

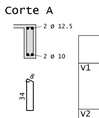


52 N5 Ø 5 C=99

v4

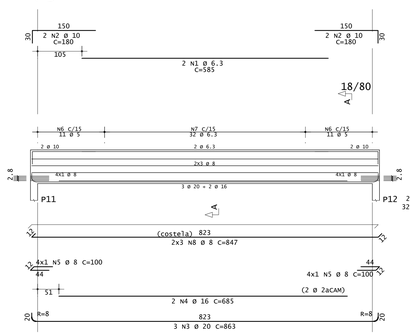


Corte A



52 N4 Ø 5 C=99

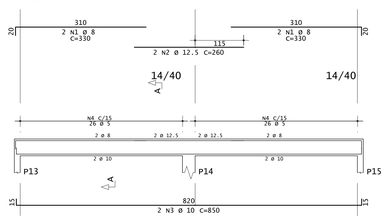
v5



Corte A

22 N6 Ø 5 C=187
32 N7 Ø 6.3 C=188

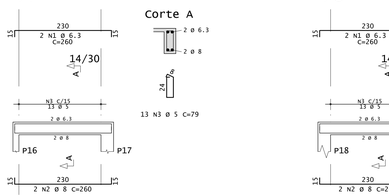
v6



Corte A

52 N4 Ø 5 C=99

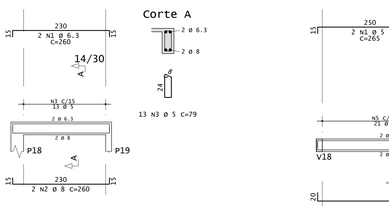
v7



Corte A

13 N3 Ø 5 C=79

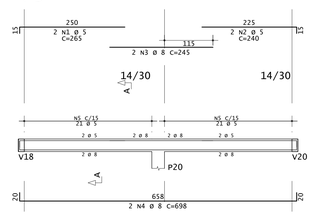
v8



Corte A

13 N3 Ø 5 C=79

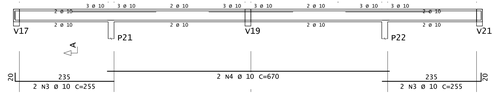
v9



Corte A

42 N5 Ø 5 C=79

v10



Corte A

89 N5 Ø 5 C=79

v11

Corte A

70 N7 Ø 5 C=99

v12

Corte A

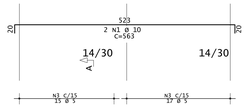
66 N5 Ø 5 C=99

v13

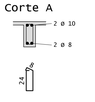
Corte A

33 N3 Ø 5 C=99

v14

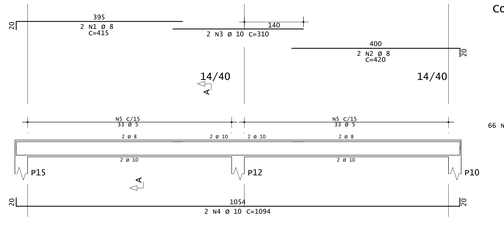


Corte A

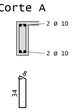


32 N3 Ø 5 C=79

v15

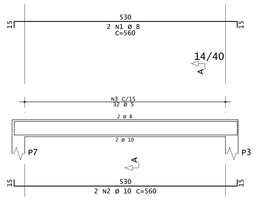


Corte A

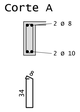


66 N5 Ø 5 C=99

v16

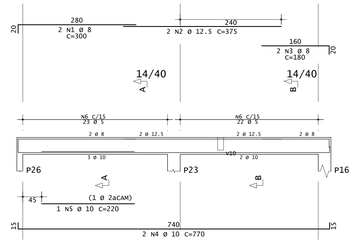


Corte A

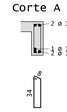


32 N3 Ø 5 C=99

v17

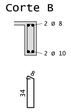


Corte A



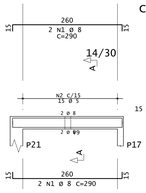
23 N6 Ø 5 C=99

Corte B

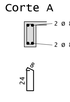


22 N6 Ø 5 C=99

v18



Corte A

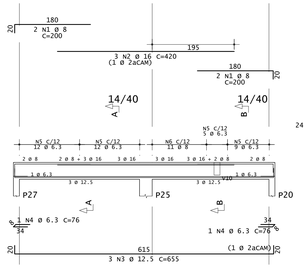


15 N2 Ø 5 C=79

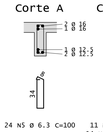
AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
V1					
50A	1	8	2	410	820
50A	2	12.5	2	360	720
50A	3	8	2	180	360
50A	4	10	2	860	1720
60A	5	5	51	99	5049
V2					
50A	1	8	4	270	1080
60A	2	5	35	79	1185
V3					
50A	1	8	2	220	440
50A	2	8	2	330	660
50A	3	12.5	2	390	780
50A	4	10	4	430	1720
60A	5	5	52	99	5148
V4					
50A	1	8	4	330	1320
50A	2	12.5	2	255	510
50A	3	10	2	850	1700
60A	4	5	52	99	5148
V5					
50A	1	6.3	2	585	1170
50A	2	10	4	180	720
50A	3	20	3	863	2589
50A	4	16	2	685	1370
50A	5	8	8	100	800
50A	6	5	22	187	4114
50A	7	6.3	32	188	6016
50A	8	8	6	847	5082
V6					
50A	1	8	4	330	1320
50A	2	12.5	2	260	520
50A	3	10	2	850	1700
60A	4	5	52	99	5148
V7					
50A	1	6.3	2	260	520
50A	2	8	2	260	520
60A	3	5	13	79	1027
V8					
50A	1	6.3	2	260	520
50A	2	8	2	260	520
60A	3	5	13	79	1027
V9					
60A	1	5	2	265	530
60A	2	5	2	240	480
50A	3	8	2	245	490
50A	4	8	2	698	1396
60A	5	5	42	79	3318
V10					
50A	1	10	2	1148	2296
50A	2	10	3	200	600
50A	3	10	4	255	1020
50A	4	10	2	670	1340
60A	5	5	89	79	7031
V11					
50A	1	8	2	425	850
50A	2	10	2	425	850
50A	3	16	4	350	1400
50A	4	12.5	4	630	2520
50A	5	12.5	1	290	290
50A	6	12.5	1	260	260
60A	7	5	70	99	6930
V12					
50A	1	8	2	415	830
50A	2	8	2	420	840
50A	3	10	2	310	620
50A	4	10	2	1090	2180
60A	5	5	66	99	6534
V13					
50A	1	8	2	560	1120
50A	2	10	2	560	1120
60A	3	5	33	99	3267
V14					
50A	1	10	2	563	1126
50A	2	8	2	563	1126
60A	3	5	32	79	2528
V15					
50A	1	8	2	415	830
50A	2	8	2	420	840
50A	3	10	2	310	620
50A	4	10	2	1094	2188
60A	5	5	66	99	6534
V16					
50A	1	8	2	560	1120
50A	2	10	2	560	1120
60A	3	5	32	99	3168
V17					
50A	1	8	2	300	600
50A	2	12.5	2	375	750
50A	3	8	2	180	360
50A	4	10	2	770	1540
50A	5	10	1	220	220
60A	6	5	45	99	4455
V18					
50A	1	8	4	290	1160
60A	2	5	15	79	1185
V19					
50A	1	8	4	200	800
50A	2	16	3	420	1260
50A	3	12.5	3	655	1965
50A	4	6.3	2	76	152
50A	5	6.3	38	100	3800
50A	6	8	11	102	1122
V20					
50A	1	8	2	293	586
50A	2	8	2	303	606
60A	3	5	15	79	1185
V21					
50A	1	8	2	300	600
50A	2	12.5	2	390	780
50A	3	8	2	180	360
50A	4	12.5	2	770	1540
60A	5	5	45	99	4455

RESUMO DE AÇO			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60A	5	794	122
50A	6.3	122	30
50A	8	286	113
50A	10	244	151
50A	12.5	106	102
50A	16	40	64
50A	20	26	64
Peso Total	60A =		122 kg
Peso Total	50A =		523 kg

v19

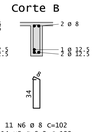


Corte A



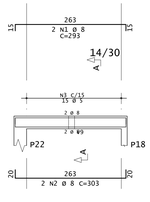
24 N5 Ø 6.3 C=100

Corte B

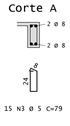


11 N6 Ø 8 C=102
14 N5 Ø 6.3 C=100

v20

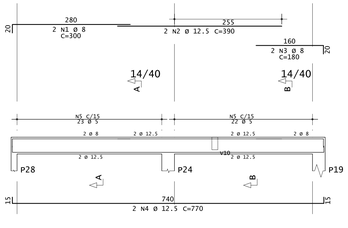


Corte A

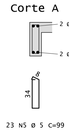


15 N3 Ø 5 C=79

v21

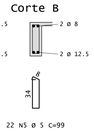


Corte A



23 N5 Ø 5 C=99

Corte B



22 N5 Ø 5 C=99

v22

NOTAS:

1 – MEDIDAS EM CENTÍMETRO.

2 – CONCRETO ARMADO, fcβ > 25MPa.

3 – COBRIMENTO DAS ARMADURAS c=3,0cm.

4 – CONFERIR MEDIDAS NO LOCAL E COM A ARQUITETURA.

HISTÓRICO		
ALTERAÇÃO	REVISÃO	DATA
1.		
2.		
3.		
4.		
5.		

ARQUITETO(A):	ENGENHEIRO(A) RESPONSÁVEL:	PROPRIETÁRIO:
ENGENHEIRO CREA XXXXXX-X		

SECRETARIA DA EDUCAÇÃO - SEDUC

GOVERNO DO PIAUÍ

GOVERNO DO ESTADO DO PIAUÍ

SEDUC - SECRETARIA DE ESTADO DA EDUCAÇÃO

9ª GRE - REGIONAL DE PICOS

DEPARTAMENTO: UNIDADE DE GESTÃO DA REDE FÍSICA	DESENHO: EST
TÍTULO DO PROJETO: PROJETO ESTRUTURAL -CIES PICOS	
ENDEREÇO DO SERVIÇO: RUA CENTO E SETENTA E QUATRO	PRANCHA: 09/11
TÍTULO DO DESENHO: ESCOLA - ARMAÇÃO DAS VIGAS V1 A V21	
MUNICÍPIO: PICOS-PI / ZONA: URBANA	ESCALA: COMO INDICADO
DESENHO: FELIPE SEIXAS / FASE: PROJETO EXECUTIVO / DATA: MAIO/2024	REVISÃO: EMISSÃO INICIAL