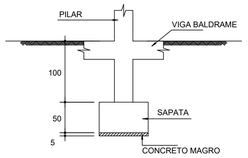
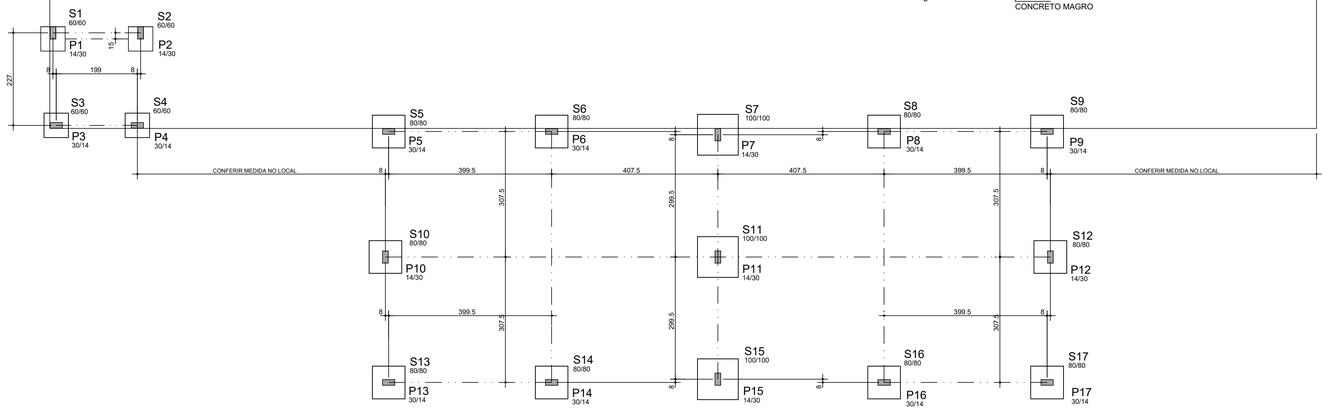
ESCOLA ÁGUA LIMPA - AMPLIAÇÃO
LOCAÇÃO DOS PILARES E SAPATAS

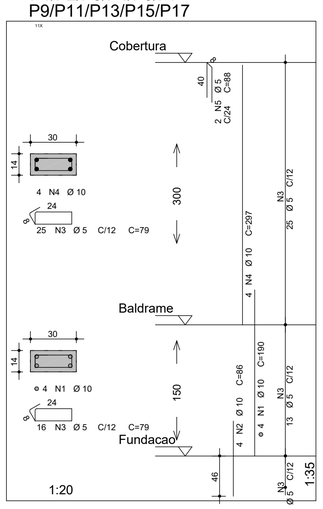
CONSTRUÇÃO EXISTENTE

Quantitativos de Materiais		
	Sapatas	Pilares / Arranques
Área de Formas	26,80 m2	14,96 m2
Concreto C25	5,42 m3	0,714 m3
Concreto Magro	0,542 m3	-

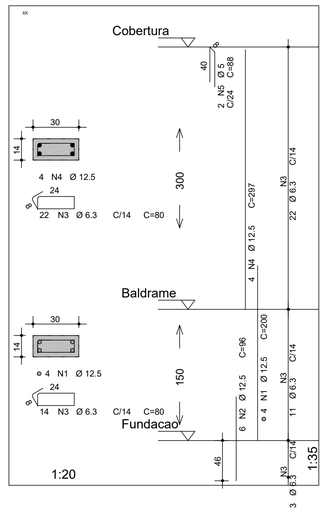




P1/P2/P3/P4/P5/P7
P9/P11/P13/P15/P17



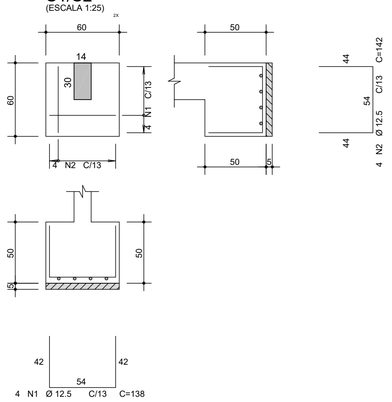
P6/P8/P10/P12/P14/P16



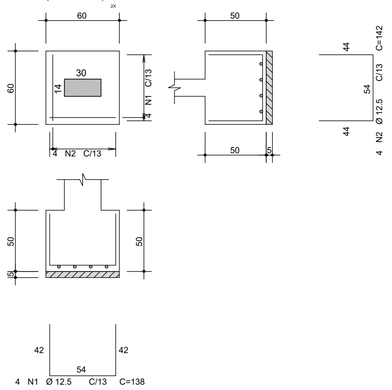
AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
S1/S2 (X2)					
50A	1	12.5	8	138	1104
50A	2	12.5	8	142	1136
S3/S4 (X2)					
50A	1	12.5	8	138	1104
50A	2	12.5	8	142	1136
S5/S6/S8/S9/S10 (X10)					
50A	1	12.5	60	158	9480
50A	2	12.5	60	162	9720
S7/S11/S15 (X3)					
50A	1	12.5	21	182	3822
50A	2	12.5	21	178	3738
P1/P2/P3/P4/P5/P7 (X11)					
50A	1	10	44	190	8360
50A	2	10	44	86	3784
60B	3	5	451	79	35629
50A	4	10	44	297	13068
60B	5	5	22	88	1936
P6/P8/P10/P12/P14/P16 (X6)					
50A	1	12.5	24	200	4800
50A	2	12.5	36	96	3456
50A	3	6.3	216	80	17280
50A	4	12.5	24	297	7128
60B	5	5	12	88	1056

RESUMO AÇO CA 50-60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60B	5	386	59
50A	6.3	173	42
50A	10	252	156
50A	12.5	466	449
Peso Total	60B =		59 kg
Peso Total	50A =		647 kg

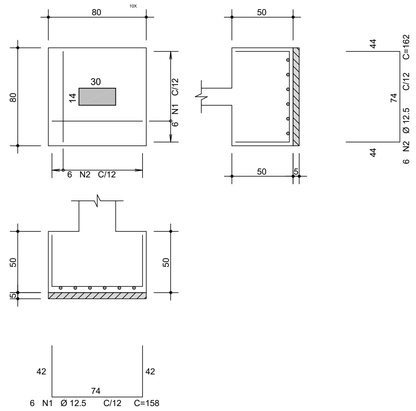
S1/S2
(ESCALA 1:25)



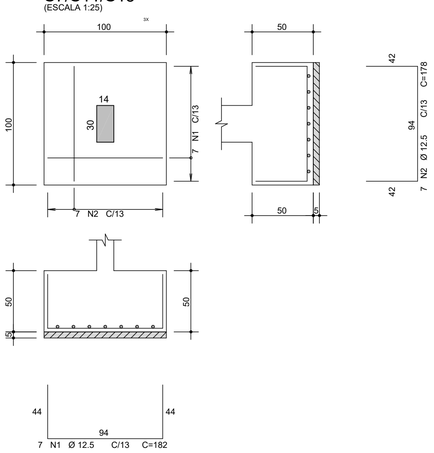
S3/S4
(ESCALA 1:25)



S5/S6/S8/S9/S10
S12/S13/S14/S16/S17
(ESCALA 1:25)



S7/S11/S15
(ESCALA 1:25)



PROJETO ESTRUTURAL

OBRA:
REFORMA E AMPLIAÇÃO DA ESCOLA ÁGUA LIMPA

PROPRIETÁRIO:
MUNICÍPIO DE SANTO ANTONIO DO LESTE
CNPJ: 04.217.362.0001-90

ENDEREÇO DA OBRA:
ALDEIA ÁGUA LIMPA - RESERVA INDÍGENA UBAWAWE
SANTO ANTONIO DO LESTE - MT

AUTOR DO PROJETO:
AMINADALB ALVES DE SOUZA JUNIOR

REPRESENTANTE DO MUNICÍPIO:
JOSÉ ARIMATÉIA VIEIRA ALVES

ASSUNTO:
LOCAÇÃO DOS PILARES E SAPATAS
ARMAÇÃO DOS PILARES E SAPATAS

DATA:
29/07/2022

ESCALA:
INDICADA

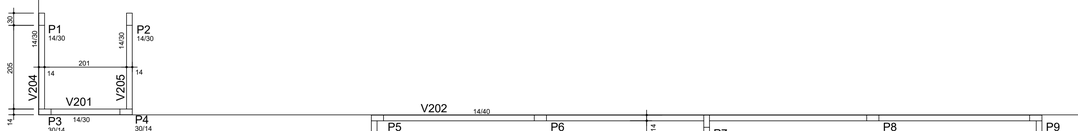
FOLHA Nº
01

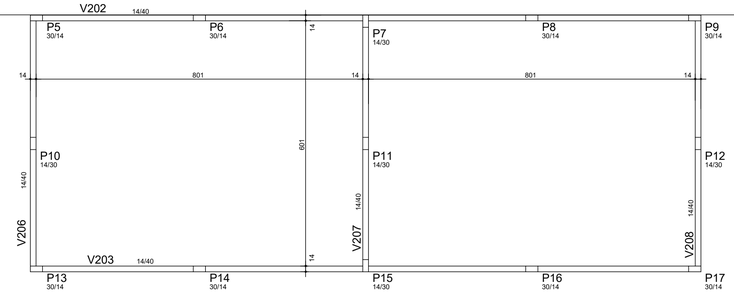
"AMINADALB ALVES DE SOUZA JUNIOR PL PMS-BAL-V\G-001-R00.PLT 11/08/2022 13:42:49

ESCOLA ÁGUA LIMPA - AMPLIAÇÃO
FORMA DA COBERTURA

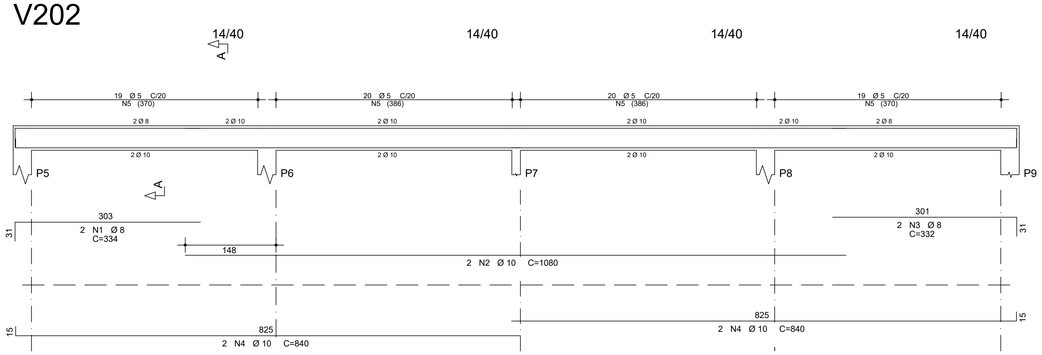
CONSTRUÇÃO EXISTENTE

Quantitativos de Materiais		
	Vigas	Pilares
Área de Formas	44,40 m2	44,88 m2
Concreto C25	2,87 m3	2,14 m3

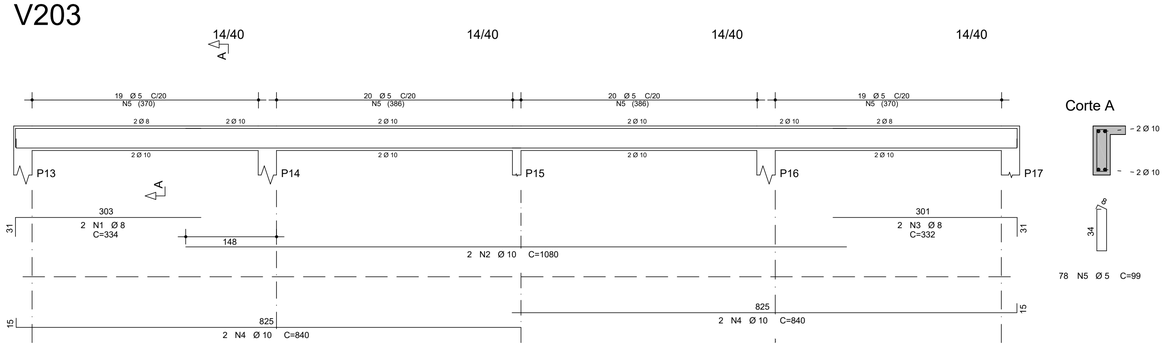




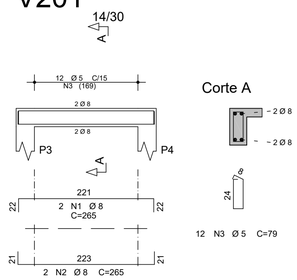
V202



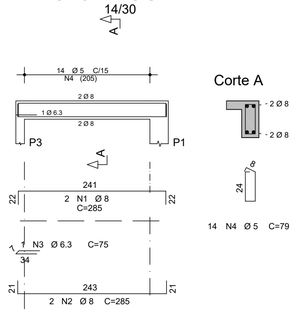
V203



V201



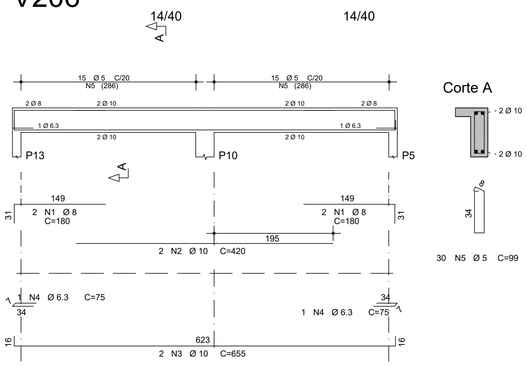
V204/V205



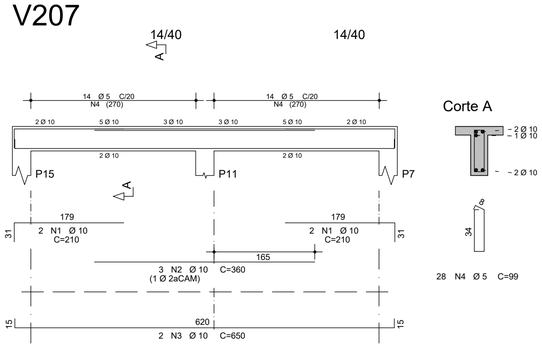
	AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
V201						
	50A	1	8	2	265	530
	50A	2	8	2	265	530
	60B	3	5	12	79	948
V202						
	50A	1	8	2	334	668
	50A	2	10	2	1080	2160
	50A	3	8	2	332	664
	50A	4	10	4	840	3360
	60B	5	5	78	99	7722
V203						
	50A	1	8	2	334	668
	50A	2	10	2	1080	2160
	50A	3	8	2	332	664
	50A	4	10	4	840	3360
	60B	5	5	78	99	7722
V204/V205 (X2)						
	50A	1	8	4	285	1140
	50A	2	8	4	285	1140
	50A	3	6.3	2	75	150
	60B	4	5	28	79	2212
V206						
	50A	1	8	4	180	720
	50A	2	10	2	420	840
	50A	3	10	2	655	1310
	50A	4	6.3	2	75	150
	60B	5	5	30	99	2970
V207						
	50A	1	10	4	210	840
	50A	2	10	3	360	1080
	50A	3	10	2	650	1300
	60B	4	5	28	99	2772
V208						
	50A	1	8	4	180	720
	50A	2	10	2	420	840
	50A	3	10	2	655	1310
	50A	4	6.3	2	75	150
	60B	5	5	30	99	2970

RESUMO AÇO CA 50-60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60B	5	273	42
50A	6.3	5	1
50A	8	74	29
50A	10	186	115
Peso Total	60B =		42 kg
Peso Total	50A =		145 kg

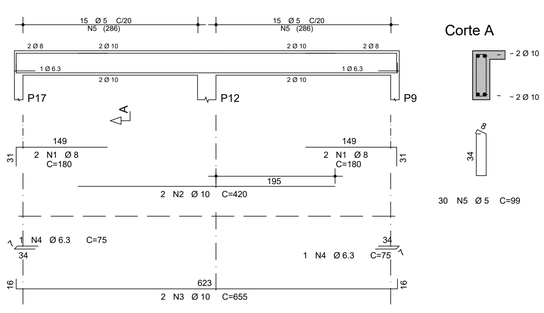
V206



V207



V208



PROJETO ESTRUTURAL

OBRA: REFORMA E AMPLIAÇÃO DA ESCOLA ÁGUA LIMPA

PROPRIETÁRIO: MUNICÍPIO DE SANTO ANTONIO DO LESTE
CNPJ: 04.217.362.0001-90

ENDEREÇO DA OBRA: ALDEIA ÁGUA LIMPA - RESERVA INDÍGENA UBAWAWE
SANTO ANTONIO DO LESTE - MT

AUTOR DO PROJETO: AMINADALB ALVES DE SOUZA JUNIOR

REPRESENTANTE DO MUNICÍPIO: JOSÉ ARIMATÉIA VIEIRA ALVES

ASSUNTO: FORMA DA COBERTURA
ARMAÇÃO DAS VIGAS

DATA: 29/07/2022

ESCALA: INDICADA

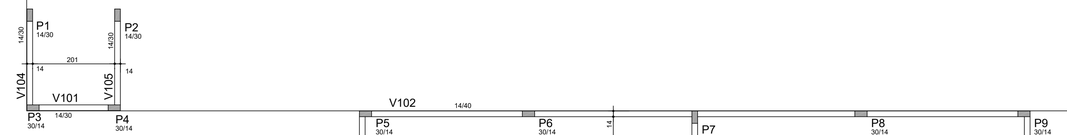
FOLHA Nº 03

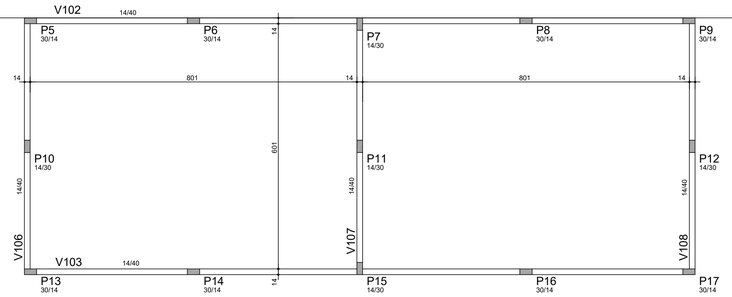
AMINADALB ALVES DE SOUZA JUNIOR PL PMS-BAL-V/G-003-R00.PLT 11/08/2022 13:42:50

ESCOLA ÁGUA LIMPA - AMPLIAÇÃO
FORMA DOS BALDRAMES

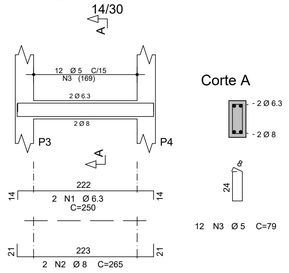
CONSTRUÇÃO EXISTENTE

Quantitativos de Materiais	
	Vigas
Área de Formas	48,47 m2
Concreto C25	2,87 m3



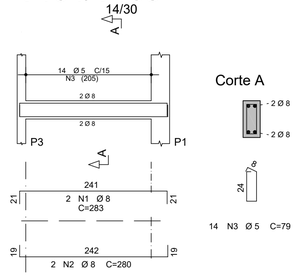


V101



12 N3 Ø 5 C=79

V104/V105

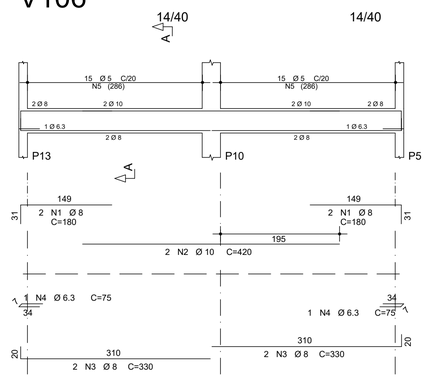


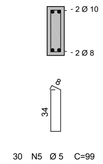
14 N3 Ø 5 C=79

	AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
V101						
	50A	1	6.3	2	250	500
	50A	2	8	2	265	530
	60B	3	5	12	79	948
V102						
	50A	1	8	4	240	960
	50A	2	10	4	470	1880
	50A	3	8	2	455	910
	50A	4	8	4	430	1720
	50A	5	8	2	810	1620
	60B	6	5	78	99	7722
V103						
	50A	1	8	4	240	960
	50A	2	10	4	470	1880
	50A	3	8	2	455	910
	50A	4	8	4	430	1720
	50A	5	8	2	810	1620
	60B	6	5	78	99	7722
V104/V105 (X2)						
	50A	1	8	4	283	1132
	50A	2	8	4	280	1120
	60B	3	5	28	79	2212
V106						
	50A	1	8	4	180	720
	50A	2	10	2	420	840
	50A	3	8	4	330	1320
	50A	4	6.3	2	75	150
	60B	5	5	30	99	2970
V107						
	50A	1	10	2	685	1370
	50A	2	8	4	330	1320
	60B	3	5	28	99	2772
V108						
	50A	1	8	4	180	720
	50A	2	10	2	420	840
	50A	3	8	4	330	1320
	50A	4	6.3	2	75	150
	60B	5	5	30	99	2970

RESUMO AÇO CA 50-60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60B	5	273	42
50A	6.3	8	2
50A	8	186	73
50A	10	68	42
Peso Total	60B =		42 kg
Peso Total	50A =		117 kg

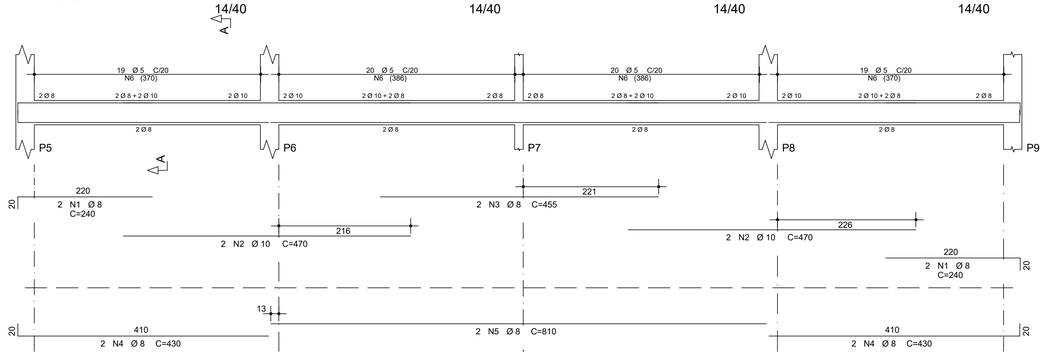
V106

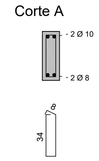




30 N5 Ø 5 C=99

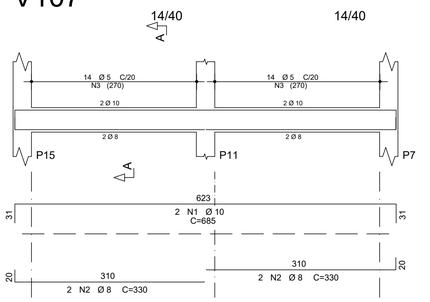
V102

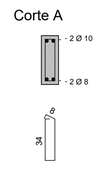




78 N6 Ø 5 C=99

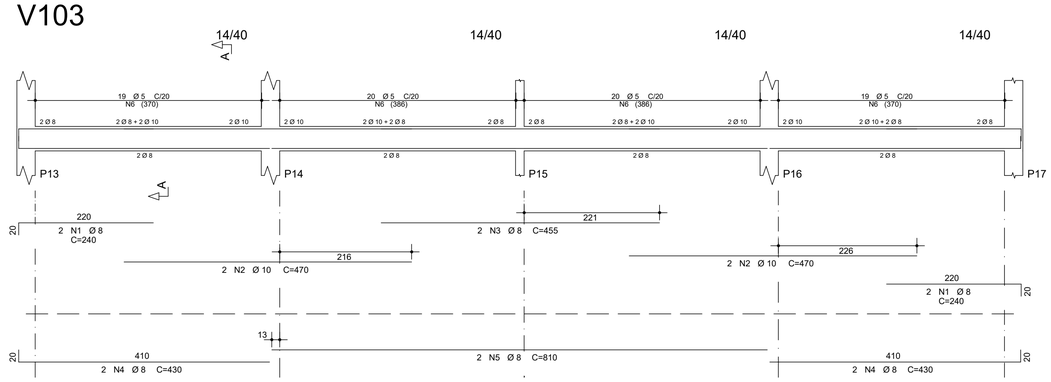
V107

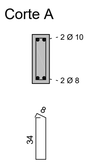




28 N3 Ø 5 C=99

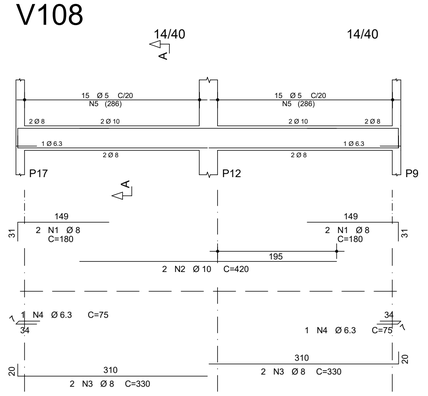
V103

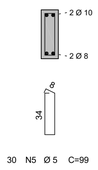




78 N6 Ø 5 C=99

V108





30 N5 Ø 5 C=99

PROJETO ESTRUTURAL

OBRA:
REFORMA E AMPLIAÇÃO DA ESCOLA ÁGUA LIMPA

PROPRIETÁRIO:
MUNICÍPIO DE SANTO ANTONIO DO LESTE
CNPJ: 04.217.362.0001-90

ENDEREÇO DA OBRA:
ALDEIA ÁGUA LIMPA - RESERVA INDÍGENA UBAWAWE
SANTO ANTONIO DO LESTE - MT

AUTOR DO PROJETO:
AMINADALB ALVES DE SOUZA JUNIOR

REPRESENTANTE DO MUNICÍPIO:
JOSÉ ARIMATÉIA VIEIRA ALVES

ASSUNTO:
FORMA DOS BALDRAMES
ARMAÇÃO DAS VIGAS

DATA:
29/07/2022

FOLHA Nº
02

ESCALA:
INDICADA

"AMINADALB ALVES DE SOUZA JUNIOR PL PM/S-BAL-VIG-002-R00.PLT 11/08/2022 13:42:50