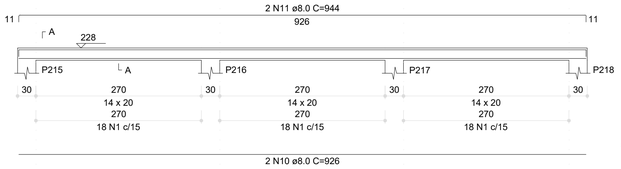
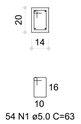
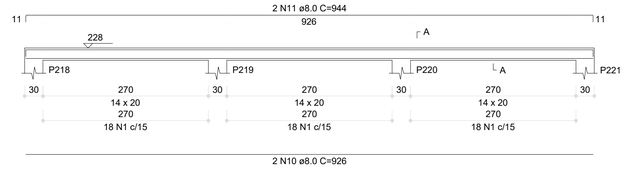
V81 (14 x 20)
ESC 1:50



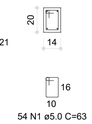
SEÇÃO A-A
ESC 1:25



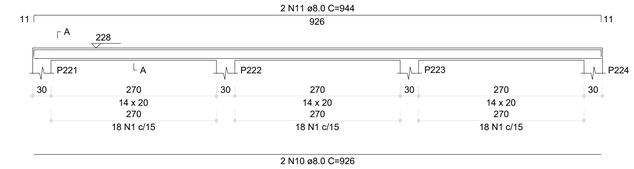
V82 (14 x 20)
ESC 1:50



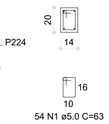
SEÇÃO A-A
ESC 1:25



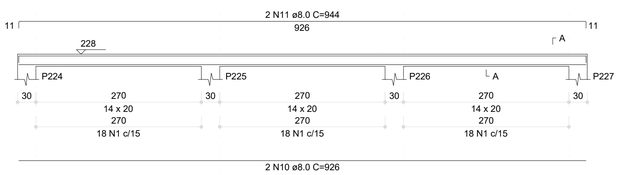
V83 (14 x 20)
ESC 1:50



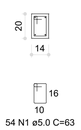
SEÇÃO A-A
ESC 1:25



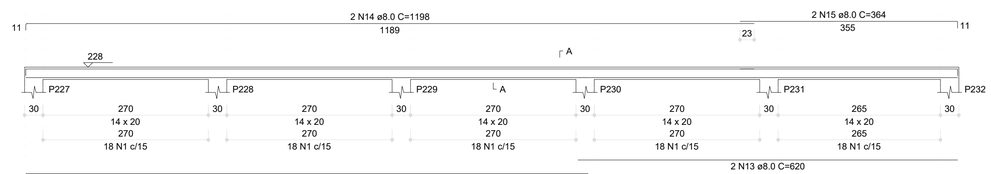
V84 (14 x 20)
ESC 1:50



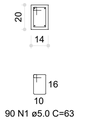
SEÇÃO A-A
ESC 1:25



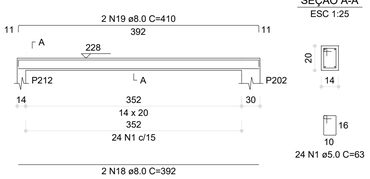
V85 (14 x 20)
ESC 1:50



SEÇÃO A-A
ESC 1:25

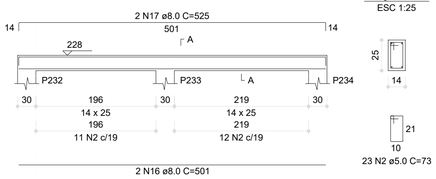


V87 (14 x 20)
ESC 1:50



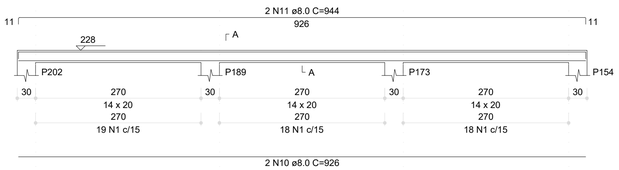
SEÇÃO A-A
ESC 1:25

V86 (14 x 25)
ESC 1:50

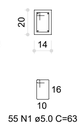


SEÇÃO A-A
ESC 1:25

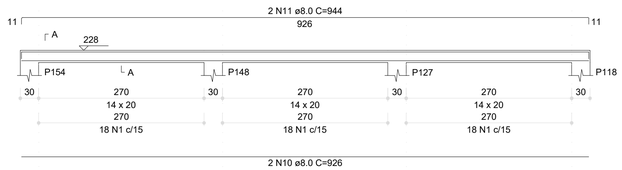
V88 (14 x 20)
ESC 1:50



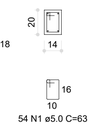
SEÇÃO A-A
ESC 1:25



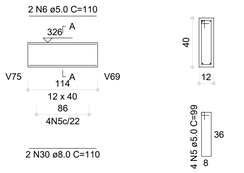
V89 (14 x 20)
ESC 1:50



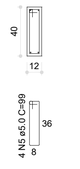
SEÇÃO A-A
ESC 1:25



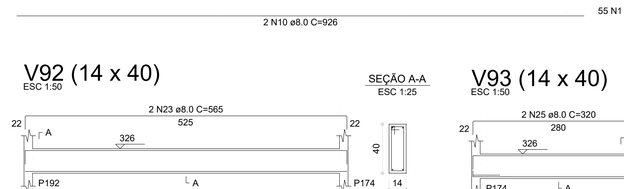
V98 (12 x 40)
ESC 1:50



SEÇÃO A-A
ESC 1:25

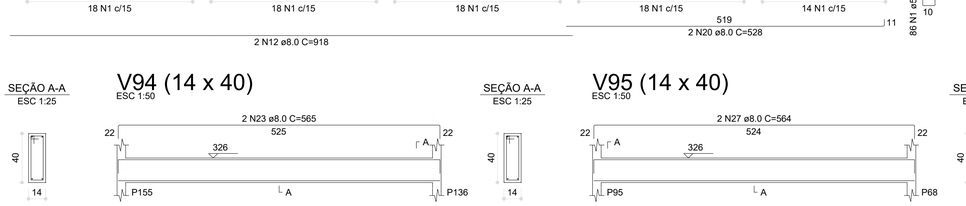


V90 (14 x 20)
ESC 1:50



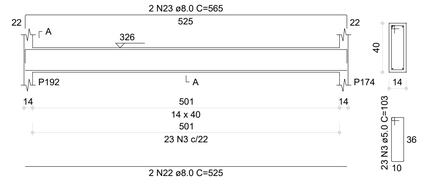
SEÇÃO A-A
ESC 1:25

V91 (14 x 20)
ESC 1:50



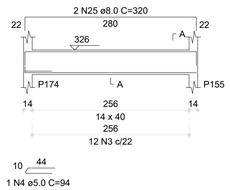
SEÇÃO A-A
ESC 1:25

V92 (14 x 40)
ESC 1:50

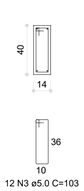


SEÇÃO A-A
ESC 1:25

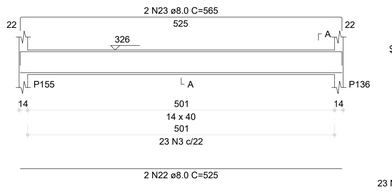
V93 (14 x 40)
ESC 1:50



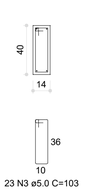
SEÇÃO A-A
ESC 1:25



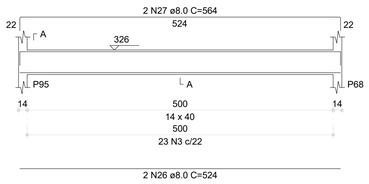
V94 (14 x 40)
ESC 1:50



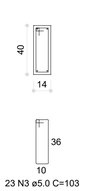
SEÇÃO A-A
ESC 1:25



V95 (14 x 40)
ESC 1:50

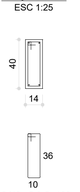


SEÇÃO A-A
ESC 1:25

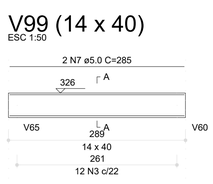


V96 (14 x 40)
ESC 1:50

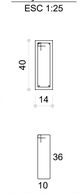
SEÇÃO A-A
ESC 1:25



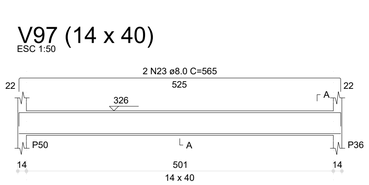
V99 (14 x 40)
ESC 1:50



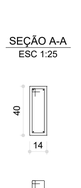
SEÇÃO A-A
ESC 1:25



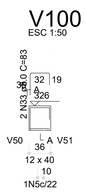
V97 (14 x 40)
ESC 1:50



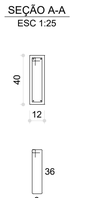
SEÇÃO A-A
ESC 1:25



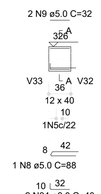
V100 (12 x 40)
ESC 1:50



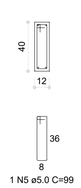
SEÇÃO A-A
ESC 1:25



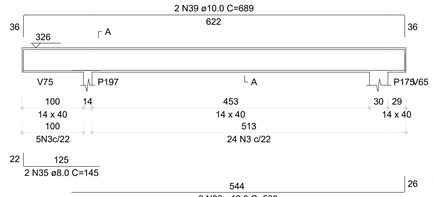
V101 (12 x 40)
ESC 1:50



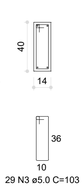
SEÇÃO A-A
ESC 1:25



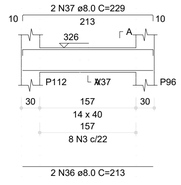
V102 (14 x 40)
ESC 1:50



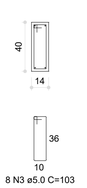
SEÇÃO A-A
ESC 1:25



V105 (14 x 40)
ESC 1:50



SEÇÃO A-A
ESC 1:25



1 ARMAÇÃO DAS VIGAS DO PAVIMENTO COBERTURA - PARTE 04
ESCALA INDICADA

RELAÇÃO DO AÇO

V81 V82 V83
V84 V85 V86
V87 V88 V89
V90 V91 V92
V93 V94 V95
V96 V97 V98
V99 V100 V101
V102 V105

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	580	63	36540
	2	5.0	23	73	1679
	3	5.0	165	103	16995
	4	5.0	1	94	94
	5	5.0	6	99	594
	6	5.0	2	110	220
	7	5.0	2	285	570
	8	5.0	1	88	88
	9	5.0	2	32	64
CA50	10	8.0	14	926	12964
	11	8.0	14	944	13216
	12	8.0	4	918	3672
	13	8.0	2	620	1240
	14	8.0	4	1198	4792
	15	8.0	2	364	728
	16	8.0	2	501	1002
	17	8.0	2	525	1050
	18	8.0	2	392	784
	19	8.0	2	410	820
	20	8.0	2	529	1058
	21	8.0	2	275	550
	22	8.0	6	525	3150
	23	8.0	6	565	3390
	24	8.0	2	288	576
	25	8.0	2	320	640
	26	8.0	2	524	1048
	27	8.0	2	564	1128
	28	8.0	2	282	564
	29	8.0	2	322	644
	30	8.0	2	110	220
	31	8.0	2	285	570
	32	8.0	2	32	64
	33	8.0	2	83	166
	34	8.0	2	40	80
	35	8.0	2	145	290
	36	8.0	2	213	426
	37	8.0	2	229	458
	38	10.0	2	568	1136
	39	10.0	2	689	1378

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	8.0	552.9	218.2
	10.0	28.1	15.5
CA60	5.0	568.4	87.6

PESO TOTAL (kg)
CA50 233.7
CA60 87.6

Volume de concreto (C-30) = 4.58 m³
Área de forma = 82.83 m²

CONTROLE DE REVISÕES

Nº	DATA	DESCRIÇÃO
03	JANEIRO/ 2023	Revisão geral da disciplina conforme a atualização da arquitetura. Redimensionamento dos elementos estruturais e acréscimo de elementos para adequação da arquitetura. Atendimento a NBR 6118/2014 e NBR 6122/2019.
02	JANEIRO/ 2017	Atendimento à NBR 9050/2015; Alteração: quadro de áreas, fechamento frontal, sanitários 1 e 2, altura da platibanda, mobiliário e equipamento, altura da ceramica nos sanitários, cor dos portões dos solarios e altura da porta PA4; Acréscimo: gradil e quadro de cargas no castelo d'água, de duchas higienicas e escaninhos pré-escola.
01	JULHO/ 2016	Alteração paredes - shaft para tubulação hidráulica e detalhamento; alteração da altura da platibanda.

FNDE — MINISTÉRIO DA EDUCAÇÃO

PROJETO PADRÃO - FNDE

PROPRIETÁRIO:

ENDEREÇO:

MUNICÍPIO - UF:

PROPRIETÁRIO:

RESP. TÉCNICO: CAU / CREA

AUTOR DO PROJETO: CAU / CREA

APROVAÇÕES

CAU / CREA

PREFEITURA / RA

OBSERVAÇÕES:

CRECHE PRÉ-ESCOLA TIPO 1

PROJETO DE ESTRUTURA DE CONCRETO

COORDENAÇÃO
CGEST - Coordenação Geral de Infraestrutura Educacional

DETALHAMENTO ARMAÇÃO DAS VIGAS
PAVIMENTO COBERTURA
PARTE 04

SCO

REVISÃO: R.00 R.03 R.01 R.02

ESCALA: 1:25 / 1:50

PRANCHA: 22/34

FORMATO: (841x594)

DATA EMISSÃO: JAN/2023