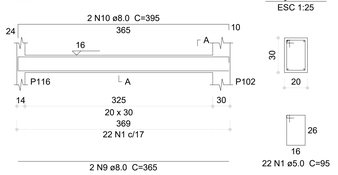
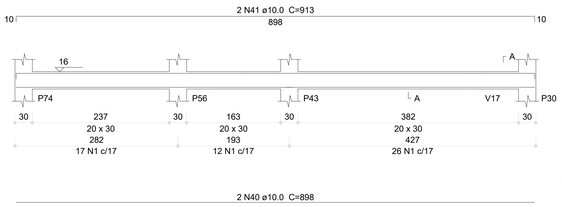
V195 (20 x 30)
ESC 1:50

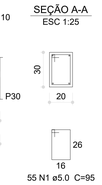


SEÇÃO A-A
ESC 1:25

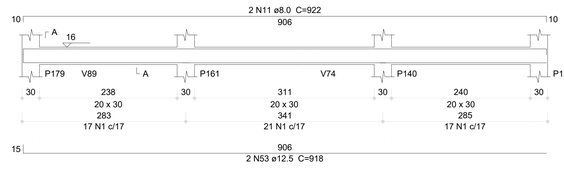
V196 (20 x 30)
ESC 1:50



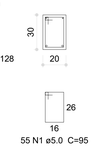
SEÇÃO A-A
ESC 1:25



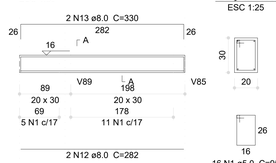
V198 (20 x 30)
ESC 1:50



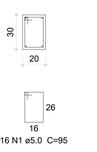
SEÇÃO A-A
ESC 1:25



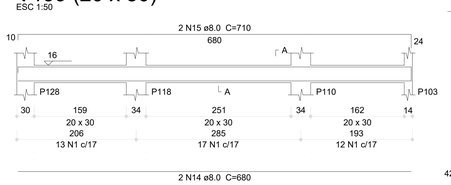
V203 (20 x 30)
ESC 1:50



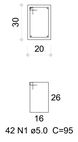
SEÇÃO A-A
ESC 1:25



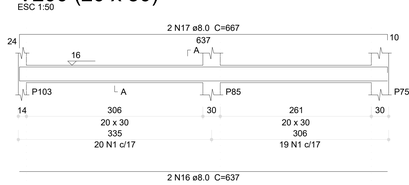
V199 (20 x 30)
ESC 1:50



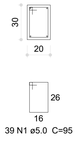
SEÇÃO A-A
ESC 1:25



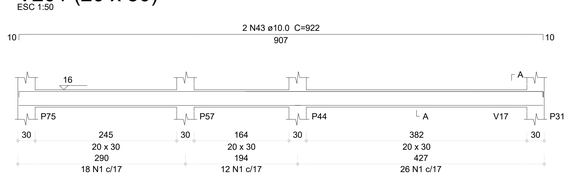
V200 (20 x 30)
ESC 1:50



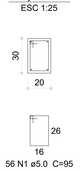
SEÇÃO A-A
ESC 1:25



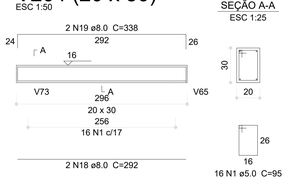
V201 (20 x 30)
ESC 1:50



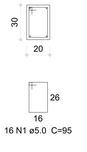
SEÇÃO A-A
ESC 1:25



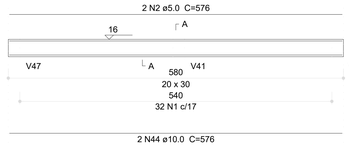
V204 (20 x 30)
ESC 1:50



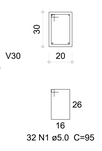
SEÇÃO A-A
ESC 1:25



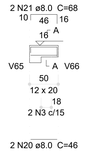
V202 (20 x 30)
ESC 1:50



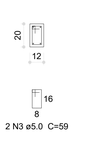
SEÇÃO A-A
ESC 1:25



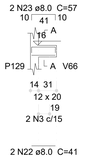
V205 (12 x 20)
ESC 1:50



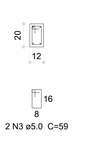
SEÇÃO A-A
ESC 1:25



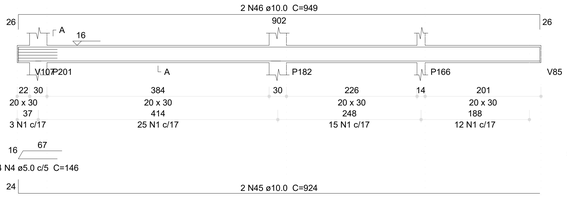
V206 (12 x 20)
ESC 1:50



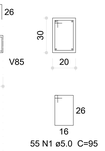
SEÇÃO A-A
ESC 1:25



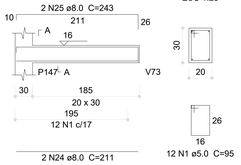
V207 (20 x 30)
ESC 1:50



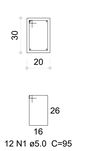
SEÇÃO A-A
ESC 1:25



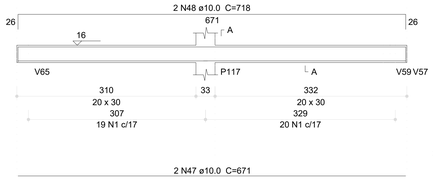
V208 (20 x 30)
ESC 1:50



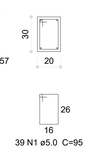
SEÇÃO A-A
ESC 1:25



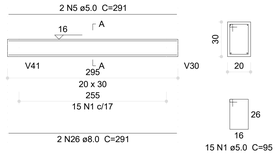
V209 (20 x 30)
ESC 1:50



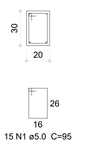
SEÇÃO A-A
ESC 1:25



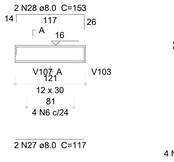
V210 (20 x 30)
ESC 1:50



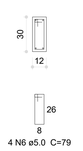
SEÇÃO A-A
ESC 1:25



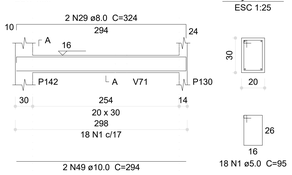
V211 (12 x 30)
ESC 1:50



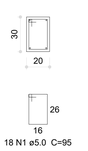
SEÇÃO A-A
ESC 1:25



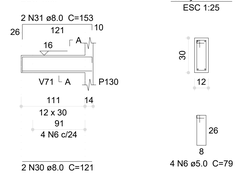
V213 (20 x 30)
ESC 1:50



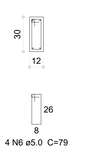
SEÇÃO A-A
ESC 1:25



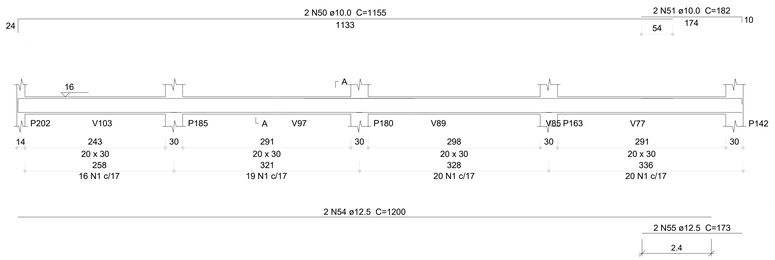
V214 (12 x 30)
ESC 1:50



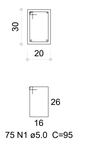
SEÇÃO A-A
ESC 1:25



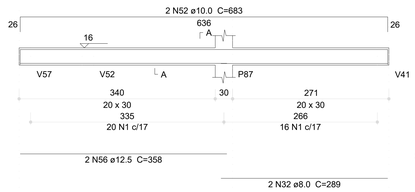
V212 (20 x 30)
ESC 1:50



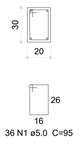
SEÇÃO A-A
ESC 1:25



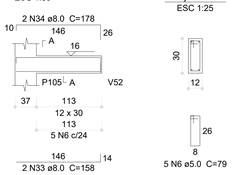
V215 (20 x 30)
ESC 1:50



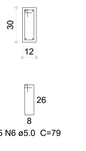
SEÇÃO A-A
ESC 1:25



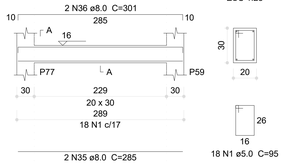
V216 (12 x 30)
ESC 1:50



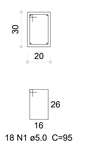
SEÇÃO A-A
ESC 1:25



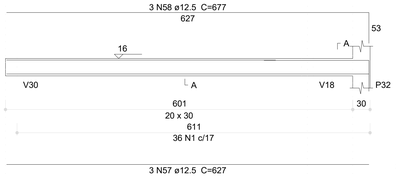
V217 (20 x 30)
ESC 1:50



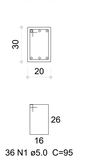
SEÇÃO A-A
ESC 1:25



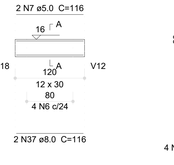
V218 (20 x 30)
ESC 1:50



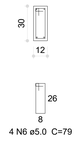
SEÇÃO A-A
ESC 1:25



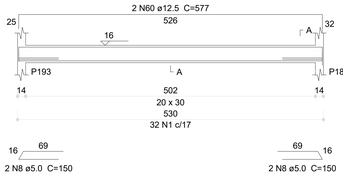
V219 (12 x 30)
ESC 1:50



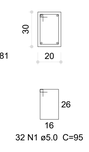
SEÇÃO A-A
ESC 1:25



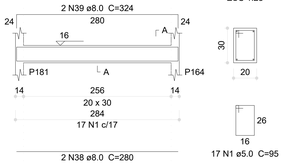
V220 (20 x 30)
ESC 1:50



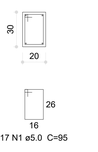
SEÇÃO A-A
ESC 1:25



V221 (20 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25



1 ARMAÇÃO DAS VIGAS DO PAVIMENTO VIGAS BALDRAME - PARTE 08
ESCALA INDICADA

Relação do aço

V195	V196	V198
V199	V200	V201
V202	V203	V204
V205	V206	V207
V208	V209	V210
V211	V212	V213
V214	V215	V216
V217	V218	V219
V220	V221	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	686	95	65170
	2	5.0	2	576	1152
	3	5.0	4	59	236
	4	5.0	4	146	584
	5	5.0	2	291	582
	6	5.0	17	79	1343
	7	5.0	2	116	232
	8	5.0	4	150	600
CA50	9	8.0	2	365	730
	10	8.0	2	395	790
	11	8.0	2	922	1844
	12	8.0	2	282	564
	13	8.0	2	330	660
	14	8.0	2	680	1360
	15	8.0	2	710	1420
	16	8.0	2	637	1274
	17	8.0	2	667	1334
	18	8.0	2	292	584
	19	8.0	2	338	676
	20	8.0	2	46	92
	21	8.0	2	68	136
	22	8.0	2	41	82
	23	8.0	2	57	114
	24	8.0	2	211	422
	25	8.0	2	243	486
	26	8.0	2	291	582
	27	8.0	2	117	234
	28	8.0	2	153	306
	29	8.0	2	324	648
	30	8.0	2	121	242
	31	8.0	2	153	306
	32	8.0	2	289	578
	33	8.0	2	158	316
	34	8.0	2	178	356
	35	8.0	2	285	570
	36	8.0	2	301	602
	37	8.0	2	116	232
	38	8.0	2	280	560
	39	8.0	2	324	648
	40	10.0	2	898	1796
	41	10.0	2	913	1826
	42	10.0	2	907	1814
	43	10.0	2	922	1844
	44	10.0	2	576	1152
	45	10.0	2	924	1848
	46	10.0	2	949	1898
	47	10.0	2	671	1342
	48	10.0	2	718	1436
	49	10.0	2	294	588
	50	10.0	2	1155	2310
	51	10.0	2	182	364
	52	10.0	2	683	1366
	53	12.5	2	918	1836
	54	12.5	2	1200	2400
	55	12.5	2	173	346
	56	12.5	2	358	716
	57	12.5	3	627	1881
	58	12.5	3	677	2031
	59	12.5	2	550	1100
	60	12.5	2	577	1154

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	187.5	74
	10.0	195.9	120.7
	12.5	114.7	110.4
CA60	5.0	699	107.7
PESO TOTAL (kg)			
CA50	305.2		
CA60	107.7		

Volume de concreto (C-30) = 6.94 m³
Área de forma = 93.39 m²

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: grade e quadro de cargas no castelo d'agua, de duchas higienicas e escarinhos pré-escola.
01	JULHO/ 2016	Alteração paredes - shaft para tubulação hidráulica e detalhamento; alteração da altura da platibanda.

CONTROLE DE REVISÕES

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 VIGA BALDRAME
PARTE 08

SCO

FORMATO (1189x841)

REVISÃO R.00 R.03 R.01 R.02

ESCALA 1:25; 1:50

DATA EMISSÃO JAN/2023

PRANCHA 17/30