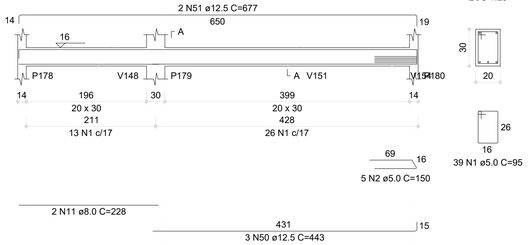
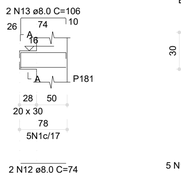
V87 (20 x 30)
ESC 1:50

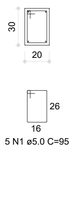


SEÇÃO A-A
ESC 1:25

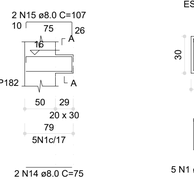
V88 (20 x 30)
ESC 1:50



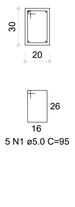
SEÇÃO A-A
ESC 1:25



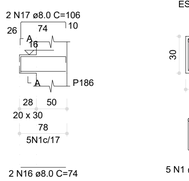
V89 (20 x 30)
ESC 1:50



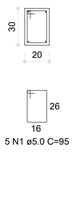
SEÇÃO A-A
ESC 1:25



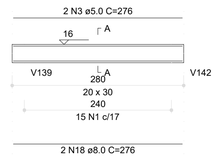
V90 (20 x 30)
ESC 1:50



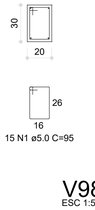
SEÇÃO A-A
ESC 1:25



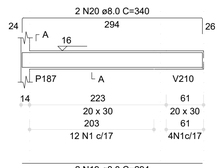
V91 (20 x 30)
ESC 1:50



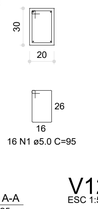
SEÇÃO A-A
ESC 1:25



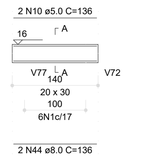
V92 (20 x 30)
ESC 1:50



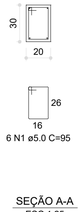
SEÇÃO A-A
ESC 1:25



V137 (20 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25

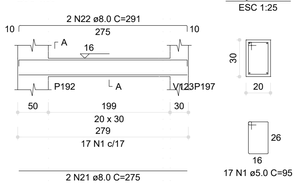


RELAÇÃO DO AÇO

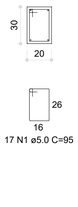
V87	V88	V89	
V90	V91	V92	
V93	V94	V95	
V96	V97	V98	
V99	V100	V101	
V102	V103	V104	
V105	V106	V107	
V108	V109	V111	
V112	V121	V137	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	391	95	37145
	2	5.0	7	150	1050
	3	5.0	4	276	1104
	4	5.0	5	152	760
	5	5.0	2	406	812
	6	5.0	2	355	710
	7	5.0	4	156	624
	8	5.0	239	85	20315
	9	5.0	2	342	684
	10	5.0	2	136	272
CA50	11	8.0	2	228	456
	12	8.0	2	74	148
	13	8.0	2	106	212
	14	8.0	2	75	150
	15	8.0	2	107	214
	16	8.0	2	74	148
	17	8.0	2	106	212
	18	8.0	8	276	2208
	19	8.0	2	294	588
	20	8.0	2	276	552
	21	8.0	2	275	550
	22	8.0	2	291	582
	23	8.0	2	278	556
	24	8.0	2	310	620
	25	8.0	2	274	548
	26	8.0	2	306	612
	27	8.0	2	275	550
	28	8.0	2	307	614
	29	8.0	2	70	140
	30	8.0	2	137	274
	31	8.0	2	290	580
	32	8.0	2	109	218
	33	8.0	4	501	2004
	34	8.0	2	547	1094
	35	8.0	2	926	1852
	36	8.0	2	942	1884
	37	8.0	8	942	7536
	38	8.0	8	942	7536
	39	8.0	2	517	1034
	40	8.0	2	392	784
	41	8.0	2	416	832
	42	8.0	2	282	564
	43	8.0	2	326	652
	44	8.0	2	136	272
	45	10.0	2	72	144
	46	10.0	2	410	820
	47	10.0	2	698	1396
	48	10.0	2	513	1026
	49	10.0	2	140	280
	50	12.5	2	443	1329
	51	12.5	3	677	1354
	52	12.5	3	211	633
	53	12.5	1	205	205
	54	12.5	2	718	1436
	55	12.5	1	330	330
	56	12.5	2	670	1340
	57	12.5	2	148	296
	58	16.0	2	646	1292
	59	16.0	2	648	1296
	60	16.0	2	229	458

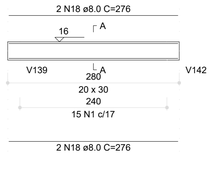
V93 (20 x 30)
ESC 1:50



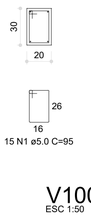
SEÇÃO A-A
ESC 1:25



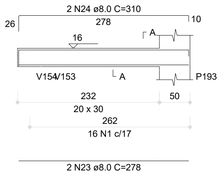
V94 (20 x 30)
ESC 1:50



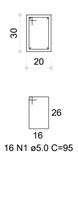
SEÇÃO A-A
ESC 1:25



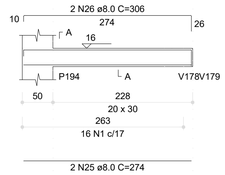
V95 (20 x 30)
ESC 1:50



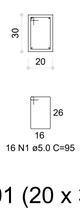
SEÇÃO A-A
ESC 1:25



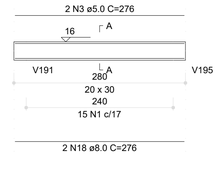
V96 (20 x 30)
ESC 1:50



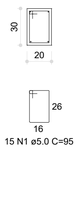
SEÇÃO A-A
ESC 1:25



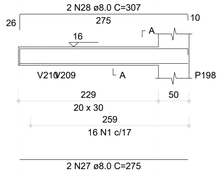
V97 (20 x 30)
ESC 1:50



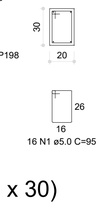
SEÇÃO A-A
ESC 1:25



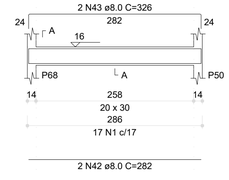
V98 (20 x 30)
ESC 1:50



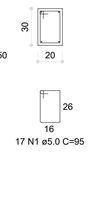
SEÇÃO A-A
ESC 1:25



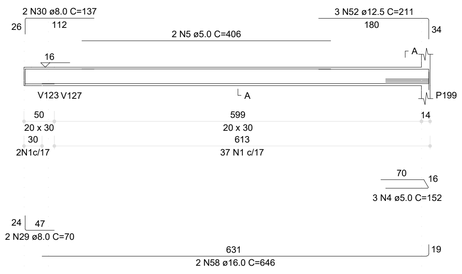
V121 (20 x 30)
ESC 1:50



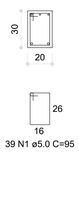
SEÇÃO A-A
ESC 1:25



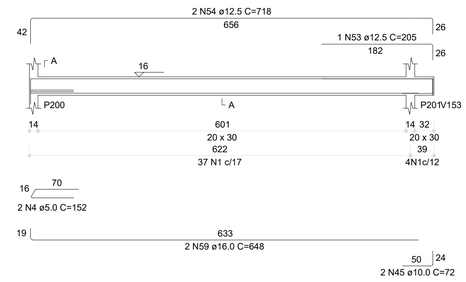
V99 (20 x 30)
ESC 1:50



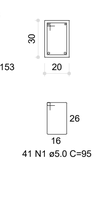
SEÇÃO A-A
ESC 1:25



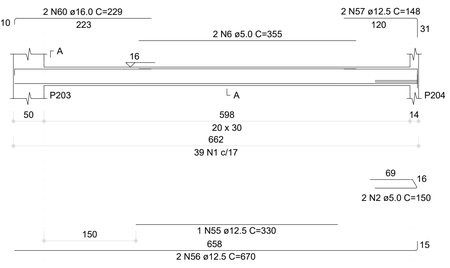
V100 (20 x 30)
ESC 1:50



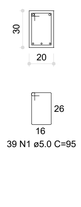
SEÇÃO A-A
ESC 1:25



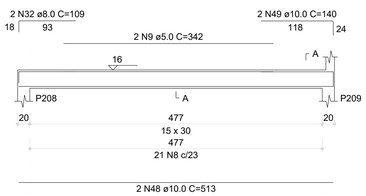
V101 (20 x 30)
ESC 1:50



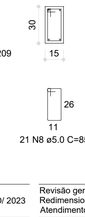
SEÇÃO A-A
ESC 1:25



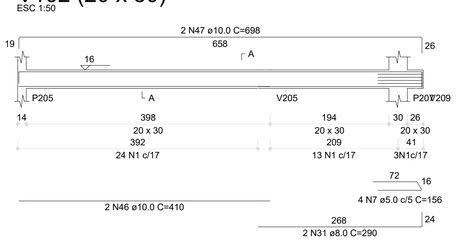
V103 (15 x 30)
ESC 1:50



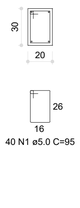
SEÇÃO A-A
ESC 1:25



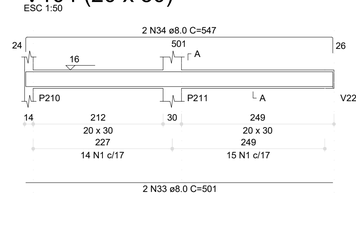
V102 (20 x 30)
ESC 1:50



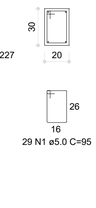
SEÇÃO A-A
ESC 1:25



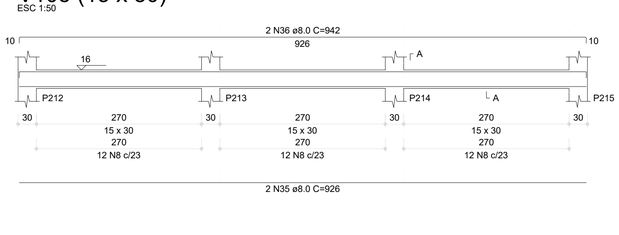
V104 (20 x 30)
ESC 1:50



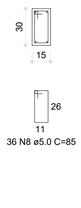
SEÇÃO A-A
ESC 1:25



V105 (15 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25



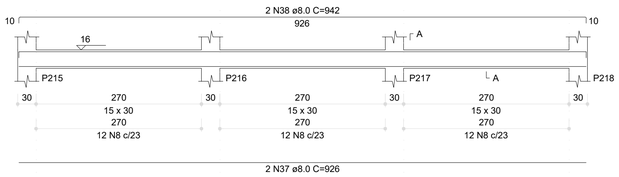
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	8.0	367.8	145.1
	10.0	36.7	22.6
	12.5	89.2	68.7
	16.0	30.5	48.1
CA60	5.0	634.8	97.8

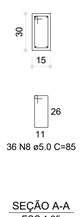
PESO TOTAL (kg)	
CA50	282.5
CA60	97.8

Volume de concreto (C-30) = 6.39 m³
Área de forma = 93.82 m²

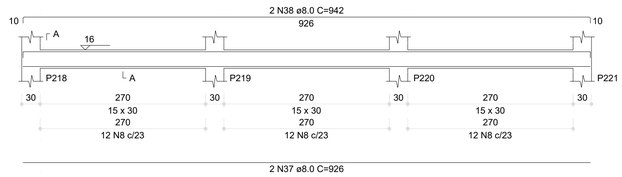
V106 (15 x 30)
ESC 1:50



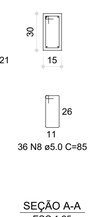
SEÇÃO A-A
ESC 1:25



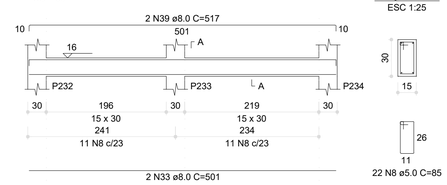
V107 (15 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25



V111 (15 x 30)
ESC 1:50



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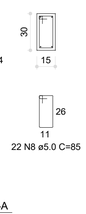

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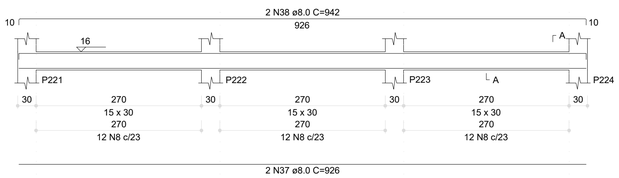

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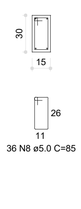

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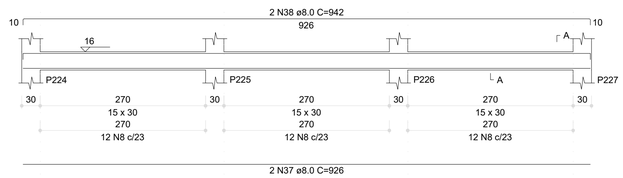

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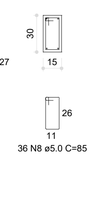

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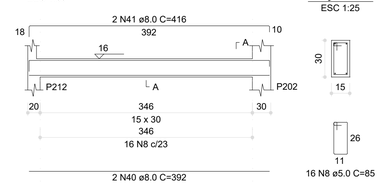
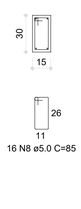


SEÇÃO A-A
ESC 1:25



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

N°	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.

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 TÉRREO
PARTE 04

SCO

REVISÃO
R.00 R.03
R.01
R.02

ESCALA 1:25 / 1:50

PRANCHA 13/34

FORMATO (841x594)

DATA EMISSÃO JAN/2023