PRODUCED BY AN AUTODESK STUDENT VERSION

P1=P2=P3=P4=P5=P6=P7=P8=P9=
=P10=P11=P12=P13=P14=P15=P16=
=P17=P18=P19=P20=P22=P23=P25=
=P26=P27=P28=P29=P30=P31=P32=
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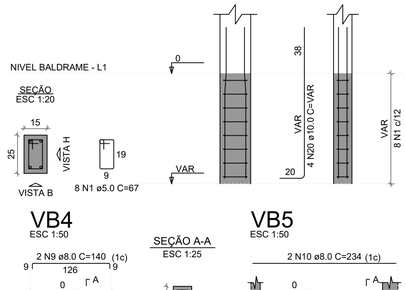

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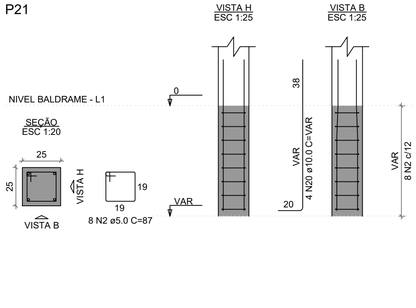
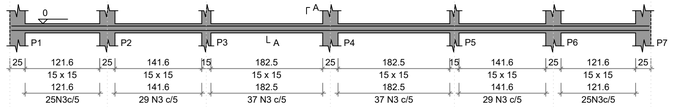


VB1
ESC 1:50



SEÇÃO A-A
ESC 1:25

VB2
ESC 1:50

SEÇÃO A-A
ESC 1:25

VB3
ESC 1:50

SEÇÃO A-A
ESC 1:25

RELAÇÃO DO AÇO

12xP1-L2	32xP1-L1	20xP2-L2
P21-L2	P21-L1	VB1-L1
VB2-L1	VB3-L1	VB4-L1
VB5-L1	VB6-L1	VB7-L1
VB8-L1	VB9-L1	VB10-L1
VB11-L1	VB12-L1	VP1-L2

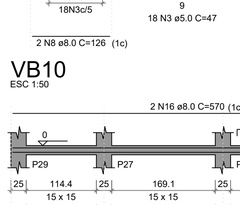
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	736	67	49312
	2	5.0	33	87	2871
	3	5.0	805	47	37835
	4	5.0	64	77	4928
CA50	5	8.0	8	1040	8320
	6	8.0	4	139	556
	7	8.0	4	119	476
	8	8.0	2	126	252
	9	8.0	2	140	280
	10	8.0	4	234	936
	11	8.0	4	619	2476
	12	8.0	4	246	984
	13	8.0	2	174	348
	14	8.0	2	182	364
	15	8.0	4	474	1896
	16	8.0	4	570	2280
	17	8.0	4	355	1420
	18	8.0	4	679	2716
	19	10.0	52	338	17576
	20	10.0	132	VAR	VAR
	21	10.0	80	97	7760

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	233	101.1
	10.0	440.8	298.9
CA60	5.0	949.5	161
PESO TOTAL (kg)			
CA50	400.1		
CA60	161		

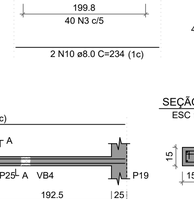
Volume de concreto (C-25) = 4.99 m³
Área de forma = 101.40 m²

VB4
ESC 1:50



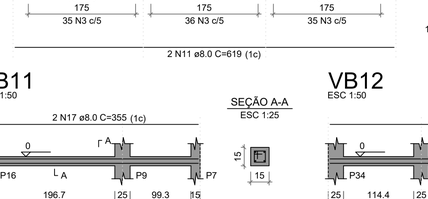
SEÇÃO A-A
ESC 1:25

VB5
ESC 1:50



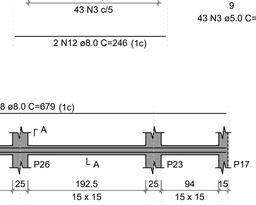
SEÇÃO A-A
ESC 1:25

VB6
ESC 1:50



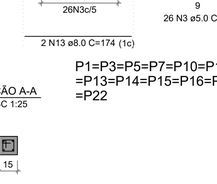
SEÇÃO A-A
ESC 1:25

VB7
ESC 1:50



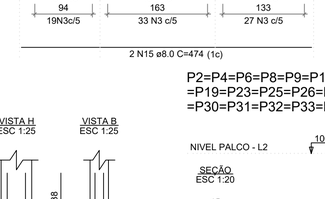
SEÇÃO A-A
ESC 1:25

VB8
ESC 1:50

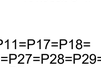


SEÇÃO A-A
ESC 1:25

VB9
ESC 1:50



SEÇÃO A-A
ESC 1:25



VB10
ESC 1:50

SEÇÃO A-A
ESC 1:25

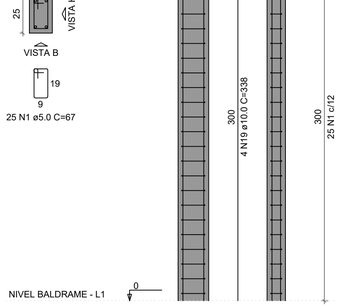
VB11
ESC 1:50

SEÇÃO A-A
ESC 1:25

VB12
ESC 1:50

SEÇÃO A-A
ESC 1:25

P1=P3=P5=P7=P10=P12=
=P13=P14=P15=P16=P20=
=P22



P2=P4=P6=P8=P9=P11=P17=P18=
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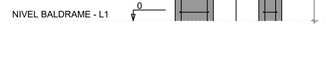
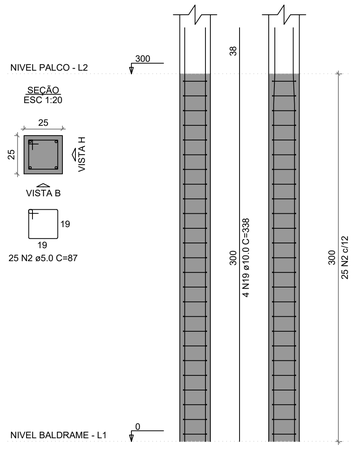
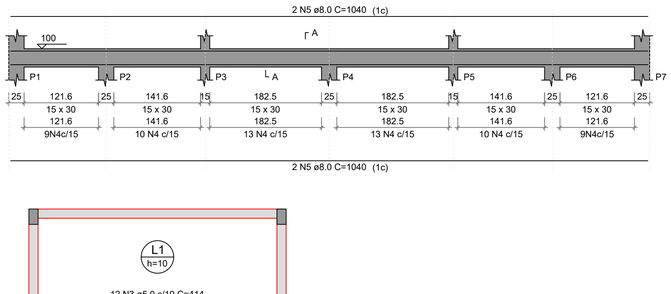


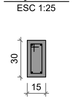
P21

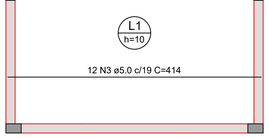


VP1
ESC 1:50

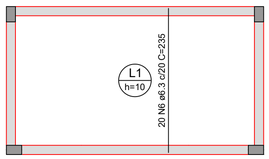


SEÇÃO A-A
ESC 1:25

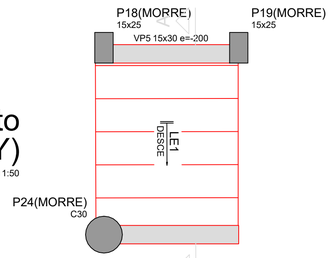




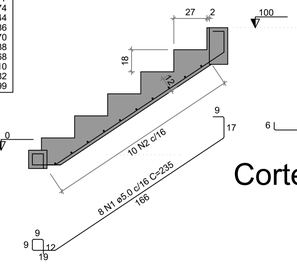
Armação positiva das lajes do pavimento NIVEL COBERTURA (Eixo X)
escala 1:50



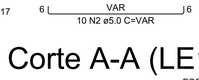
Armação positiva das lajes do pavimento NIVEL COBERTURA (Eixo Y)
escala 1:50



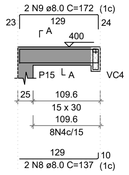
Armação positiva da escada E1
ESC 1:25



Corte A-A (LE1)
ESC 1:25



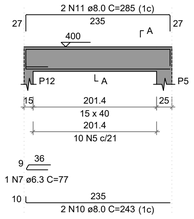
VC12
ESC 1:50



SEÇÃO A-A
ESC 1:25

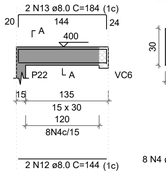
SUSPENSÃO VC4
ESC 1:25

VC13
ESC 1:50



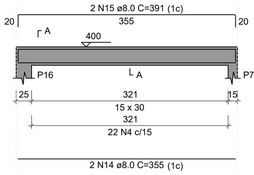
SEÇÃO A-A
ESC 1:25

VC14
ESC 1:50



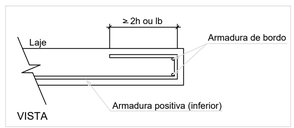
SEÇÃO A-A
ESC 1:25

VC15
ESC 1:50



SEÇÃO A-A
ESC 1:25

DETALHE DA ARMADURA
DE BORDO LIVRE DA LAJE



RELAÇÃO DO AÇO

LE1-L2	Positivos X-L3	Positivos Y-L3
VC12-L3	VC13-L3	VC14-L3
VC15-L3		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	8	235	1880
	2	5.0	10	VAR	VAR
	3	5.0	12	414	4968
	4	5.0	38	77	2926
	5	5.0	10	97	970
CA50	6	6.3	20	235	4700
	7	6.3	1	77	77
	8	8.0	2	137	274
	9	8.0	2	172	344
	10	8.0	2	243	486
	11	8.0	2	285	570
	12	8.0	2	144	288
	13	8.0	2	184	368
	14	8.0	2	355	710
	15	8.0	2	391	782
	16	10.0	1	99	99

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	47.8	12.9
	8.0	38.2	16.6
	10.0	1	0.7
CA60	5.0	119.4	20.3
PESO TOTAL (kg)			
CA50	30.1		
CA60	20.3		

Volume de concreto (C-25) = 1.65 m³
Área de forma = 19.41 m²

PREFEITURA:

CBM

PROJETO :
PROJETO ESTRUTURAL
CSU- PALCO

FOLHA: 2/3

LOCAL : **PRAÇA ANTENOR LUIZ TAVARES, CENTRO, AURORA - TO**

QUADRO DE ÁREAS:

ÁREA TOTAL: VER PROJETO ARQUITETÔNICO

RESPONSÁVEL TÉCNICO

DENISE CRISTINA DE OLIVEIRA LIMA
ENGENHEIRA CIVIL
CREA- 303044/D

PROPRIETÁRIO (A):

PREFEITURA MUNICIPAL DE AURORA
CNPJ: 01.067.107/0001-10

ESC.: Indicada

DATA: 04/03/2020

Denise Cristina de OLiveira Lima
Fone: (63) 98449-0009 / (63) 98109-9210
Email: a7engenhariaeassessoria@gmail.com

CONTEÚDO:
DETALHE DAS VIGAS DO PALCO h= 4,00 m

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