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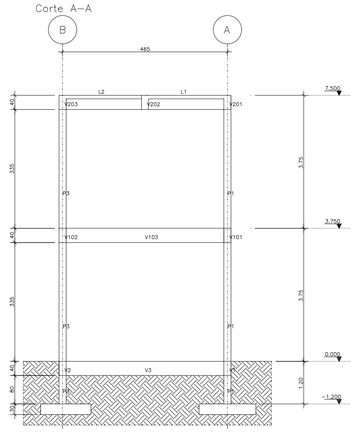
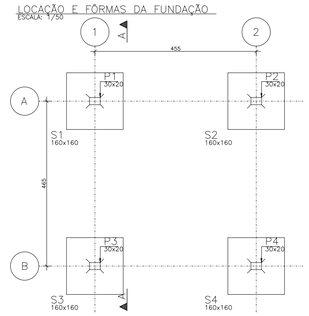
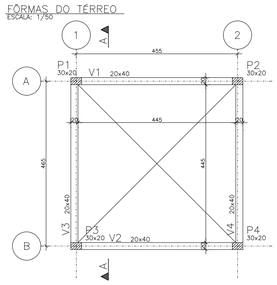
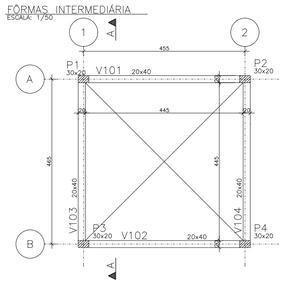
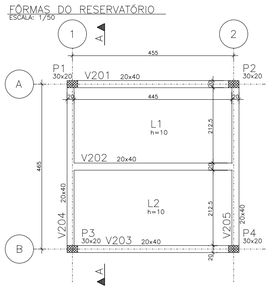
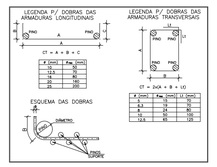








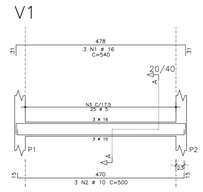


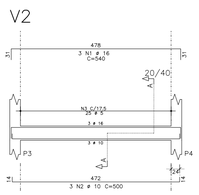


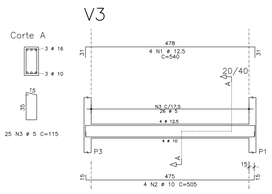
AÇO	POS	BIT (mm)	QUANT	COMPRIMENTO UNIT (cm)	COMPRIMENTO TOTAL (cm)
S1					
50A	1	10	11	201	2211
50A	2	10	11	205	2255
S2					
50A	1	10	11	201	2211
50A	2	10	11	205	2255
S3					
50A	1	10	11	201	2211
50A	2	10	11	205	2255
S4					
50A	1	10	11	201	2211
50A	2	10	11	205	2255
Reservatório – Armadura das lajes					
60B	1	5	17	493	8381
50A	2	6,3	17	493	7395
50A	3	10	34	491	16694
50A	4	6,3	34	491	14730
50A	5	6,3	34	491	14730
P1 Lances 1 – 3					
50A	1	16	6	229	1374
50A	3	6,3	59	96	5664
50A	4	16	6	434	2604
50A	5	16	6	378	2268
P2 Lances 1 – 3					
50A	1	12,5	10	215	2150
50A	3	6,3	60	96	5760
50A	4	12,5	10	420	4200
50A	5	12,5	10	378	3780
P3 Lances 1 – 3					
50A	1	16	6	229	1374
50A	3	6,3	59	96	5664
50A	4	16	6	434	2604
50A	5	16	6	378	2268
P4 Lances 1 – 3					
50A	1	16	6	229	1832
50A	3	6,3	59	96	5664
50A	4	16	8	434	3472
50A	5	16	8	378	3024
V1					
50A	1	16	3	540	1620
50A	2	10	5	500	2500
60B	3	5	23	115	2875
V2					
50A	1	16	3	540	1620
50A	2	10	5	500	2500
60B	3	5	23	115	2875
V3					
50A	1	12,5	4	540	2160
50A	2	10	4	505	2020
60B	3	5	26	115	2990
V4					
50A	1	12,5	4	540	2160
50A	2	10	4	505	2020
60B	3	5	26	115	2990
V101					
50A	1	10	4	539	2156
50A	2	10	3	505	1515
60B	3	5	23	115	2875
V102					
50A	1	10	4	539	2156
50A	2	10	3	505	1515
60B	3	5	23	115	2875
V103					
50A	1	12,5	4	540	2160
50A	2	12,5	2	515	1030
60B	3	5	26	115	2990
V104					
50A	1	12,5	4	540	2160
50A	2	10	3	505	1515
60B	3	5	26	115	2990
V201					
50A	1	10	4	542	2168
50A	2	12,5	4	505	1010
50A	3	12,5	1	350	350
50A	4	6,3	26	116	2990
V202					
50A	1	10	3	542	1626
50A	2	16	3	525	1575
50A	3	16	2	355	710
50A	4	6,3	36	116	4176
V203					
50A	1	10	4	542	2168
50A	2	12,5	2	510	1020
50A	3	12,5	1	345	345
60B	4	5	23	115	2875
V204					
50A	1	12,5	3	542	1626
50A	2	16	2	525	2100
50A	3	16	2	260	520
50A	4	6,3	36	116	4176
V205					
50A	1	10	4	542	2168
50A	2	16	4	525	2100
50A	3	16	2	260	520
50A	4	6,3	36	116	4176

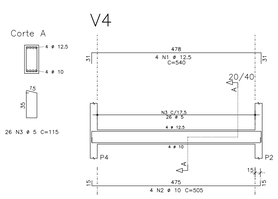
RESUMO AÇO CA 50–60			
AÇO	BIT (mm)	COMPR (m)	PESO (kg)
60B	5	347	53
50A	6,3	657	161
50A	10	605	374
50A	12,5	242	233
50A	16	316	498
Peso Total 60B =			53 kg
Peso Total 50A =			1266 kg

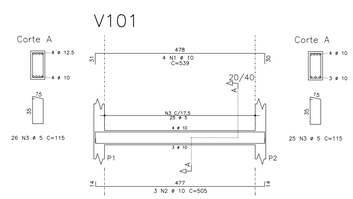
Resumo de Materiais								
Bitola	5.0	6.3	10.0	12.5	16.0	Aço	Concreto	Forma
	kg	kg	kg	kg	kg	m3	m3	m2
Piso 3: Reservatório	17	128	165	78	238	626	5	53
Piso 2: Travamento	18	23	55	92	137	325	2	32
Piso 1: Térreo	18	10	43	63	123	257	2	22
Piso 0: Fundacao			110			110	3	8
Totais	53	161	373	233	498	1318	12	115

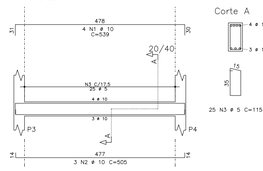


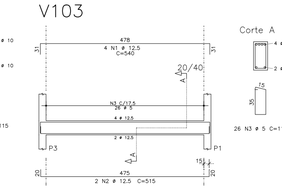


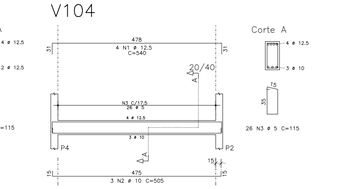


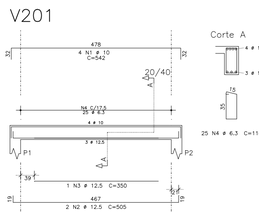


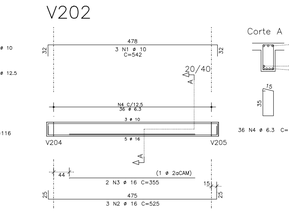


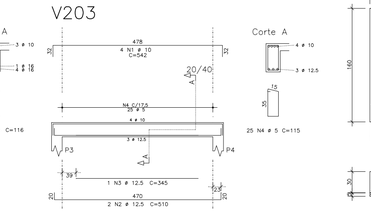


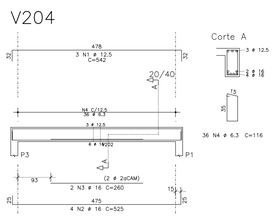


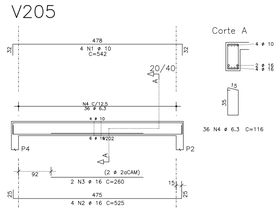


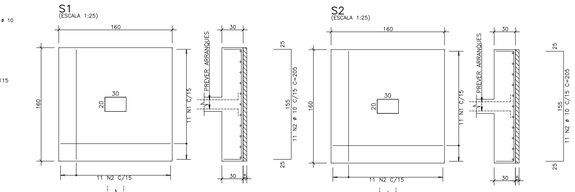


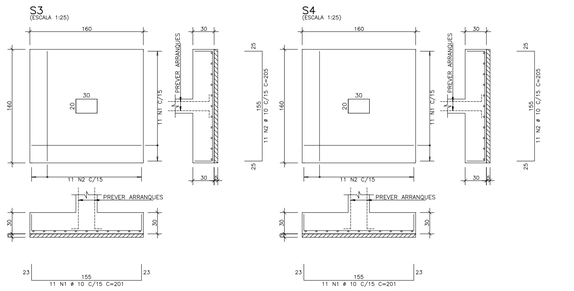


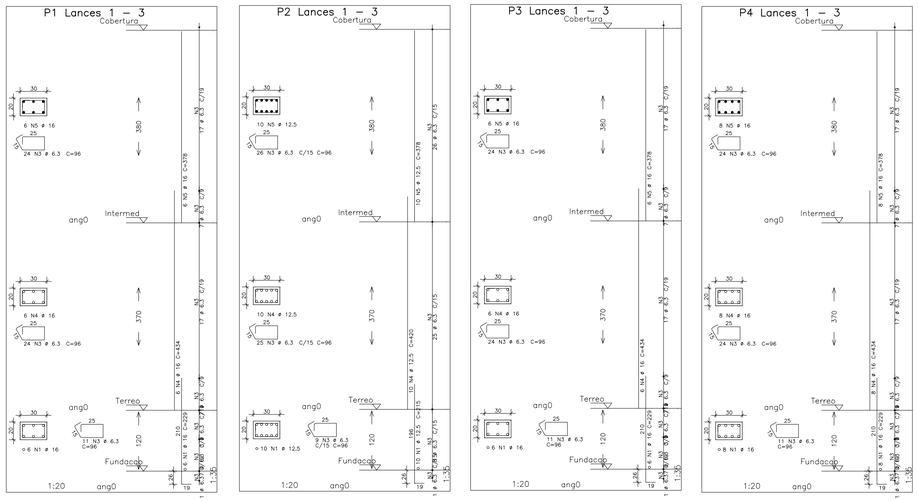












1 ESTRUTURAL
ESC. S/E

DURABILIDADE E DESEMPENHO

CONCRETO
- RESISTÊNCIA A COMPRESSÃO (fck) >= 25 MPa
- MÓDULO DE ELASTICIDADE SECANTE (Ecs) >= 24 GPa
- RELAÇÃO ÁGUA/CIMENTO (a/c) <= 0,60
- CONSUMO MÍNIMO DE CIMENTO >= 280 kg/m3
- DIÂMETRO DO AGREGADO GRAÚDO 19 mm
- RECOBRIMENTOS (CLASSE DE AGRESSIVIDADE II):
  - PILARES/VIGAS c = 2,5 cm
  - LAJES c = 2,0 cm
  - FUNDAÇÕES c = 3,0 cm
  - ELEMENTOS ENTERRADOS c = 3,0 cm

AÇO
- CATEGORIA CA-50A/CA-60B

DESFÔRMA (AOS 9 DIAS)
- RESISTÊNCIA A COMPRESSÃO (fck) >= 21 MPa
- MÓDULO DE ELASTICIDADE (Ec) >= 26 GPa

NOTAS:
- MEDIDAS EM CENTÍMETROS, NÍVEIS EM METRO;
- ADOTAR RÍGIDO CONTROLE DE QUALIDADE E TOLERÂNCIA DE MEDIDAS NA OBRA;
- PROJETO ELABORADO CONFORME NBR 6118/2014;
- É OBRIGATÓRIA A UTILIZAÇÃO DE ESPAÇADORES PLÁSTICOS PARA GARANTIR OS COBRIMENTOS RECOMENDADOS;
- DEVERÁ SER FEITO O CONTROLE TECNOLÓGICO DO CONCRETO POR PROFISSIONAL HABILITADO E SEGUINDO A NBR 12.655/06;

Prefeitura Municipal de Parintins -AM
Secretaria Municipal de Projetos de Desenvolvimento

APROVADO

O projeto está em conformidade com as leis municipais e normas da ABNT

Data: 05/2026

Nathana Costa Menezes
Secretária Municipal de Projetos de Desenvolvimento

Mateus Ferreira Assayag
Prefeito Municipal

PROPRIETÁRIO:
PREFEITURA MUNICIPAL DE PARINTINS/AM

PREFEITO:
MATEUS FERREIRA ASSAYAG

AUTOR DO PROJETO:

OBRA:
IMPLANTAÇÃO DE SISTEMA SIMPLIFICADO DE ABASTECIMENTO DE ÁGUA COM ENERGIA FOTOVOLTAICA.

TÍTULO: PROJETO EXECUTIVO CASTELO D'AGUA

LOCAL:
MUNICÍPIO DE PARINTINS - AM.

EXTENSÃO:	TÍTULO:		PRANCHA:
	PROJETO EXECUTIVO		ARQ. 01-01
ESCALA: INDICADA	ART: AM20260605438	DATA:	

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Assinado de forma digital por RODRIGO PEREIRA DA SILVA:98609998215
Dados: 2026.06.08 15:16:56 -04'00'
Rodrigo Silva
Engenheiro Civil
CREA 0413490270/AM

AUTOR DO PROJETO:
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Rodrigo Silva
Engenheiro Civil
CREA 0413490270/AM

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