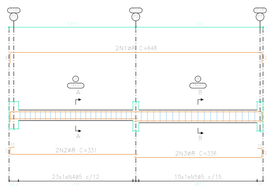
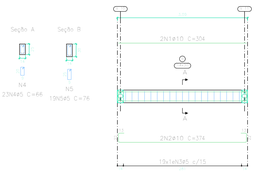
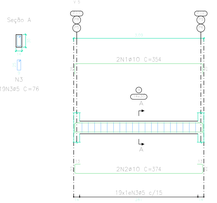
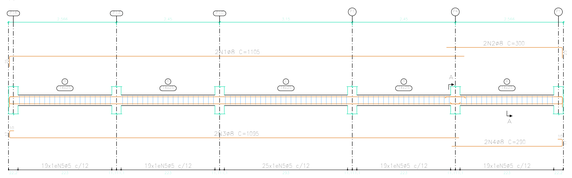
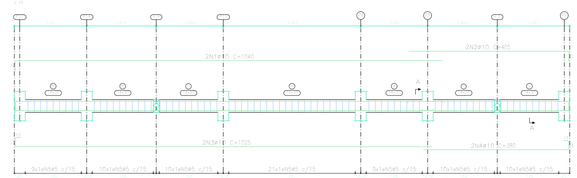
Térreo
Desenho de vigas
Concreto: C25, em geral
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60
Escala vigas 1:50
Escala seções 1:50
Escala aberturas 1:50

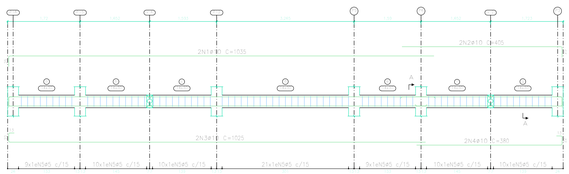










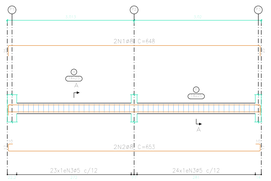


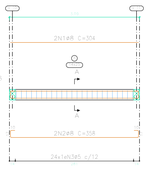
Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V-1ø8 A	1	ø8	2		448	1106	6.9	
	2	ø8	2		331	662	4.1	
	3	ø8	2		336	672	4.1	
	4	ø5	10		66	1518		2.3
	5	ø5	10		76	1444		2.3
				Total+10% (x2)			13.1 (26.1)	2.5 (5.0)
V-2ø10 A	1	ø10	2		354	808	8.7	
	2	ø10	2		374	847	9.4	
	3	ø5	19		76	1444		2.3
				Total+10% (x2)			26.1 (52.2)	5.0 (10.0)

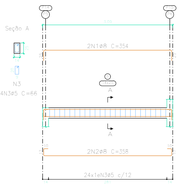
V-2ø10 A=448 B	1	ø10	2		354	808	8.7	
	2	ø10	2		374	847	9.4	
	3	ø5	19		76	1444		2.3
				Total+10% (x2)			9.0 (18.1)	2.5 (5.0)
V-1 A	1	ø8	2		448	1106	6.9	
	2	ø8	2		331	662	4.1	
	3	ø8	2		336	672	4.1	
	4	ø5	10		66	1518		2.3
	5	ø5	10		76	1444		2.3
				Total+10% (x2)			9.0 (18.1)	2.5 (5.0)
V-2 A	1	ø8	2		1055	2366	14.7	
	2	ø8	2		368	827	5.1	
	3	ø8	2		1017	2282	14.1	
	4	ø5	10		66	1518		2.3
	5	ø5	10		76	1444		2.3
				Total+10% (x2)			33.9 (67.8)	4.6 (9.2)

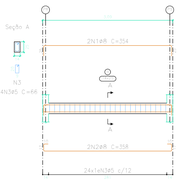
V-1ø8	1	ø8	2		1055	2366	14.7	
	2	ø8	2		368	827	5.1	
	3	ø8	2		1017	2282	14.1	
	4	ø5	10		66	1518		2.3
	5	ø5	10		76	1444		2.3
				Total+10% (x2)			33.9 (67.8)	4.6 (9.2)
V-11	1	ø10	2		1054	2408	25.8	
	2	ø10	2		873	1977	21.2	
	3	ø10	2		1010	2308	24.7	
	4	ø10	2		380	868	9.3	
	5	ø5	10		76	1444		2.3
				Total+10% (x2)			80.4 (160.8)	2.3 (4.6)
				ø5:			65.3	6.0
				ø10:			80.1	0.0
				Total:			145.4	6.0

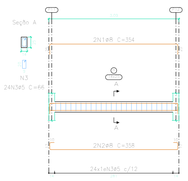
Nível 01
Desenho de vigas
Concreto: C25, em geral
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60
Escala vigas 1:50
Escala seções 1:50
Escala aberturas 1:50

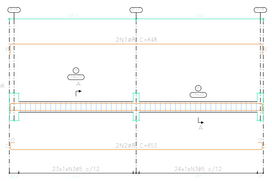


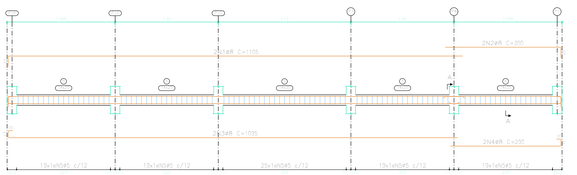


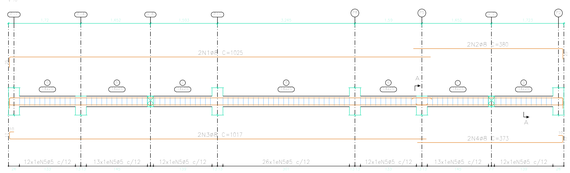


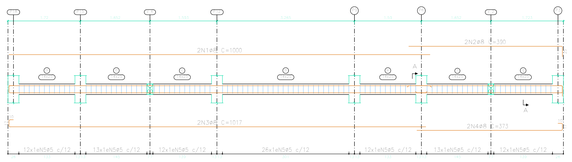










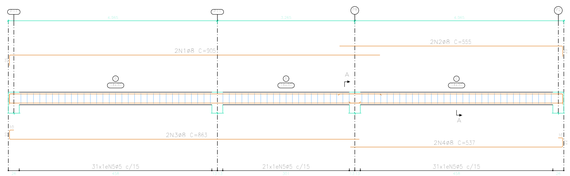


Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V-1 A	1	ø8	2		448	1106	6.9	
	2	ø8	2		331	662	4.1	
	3	ø5	19		66	1518		4.3
				Total+10% (x2)			11.0 (22.0)	4.3 (8.6)
V-2ø10 A	1	ø10	2		354	808	8.7	
	2	ø8	2		368	827	5.1	
	3	ø5	19		66	1518		2.5
				Total+10% (x2)			13.8 (27.6)	2.8 (5.6)
V-3ø10 A	1	ø8	2		354	808	5.0	
	2	ø8	2		368	827	5.1	
	3	ø5	19		66	1518		2.5
				Total+10% (x2)			13.8 (27.6)	2.8 (5.6)

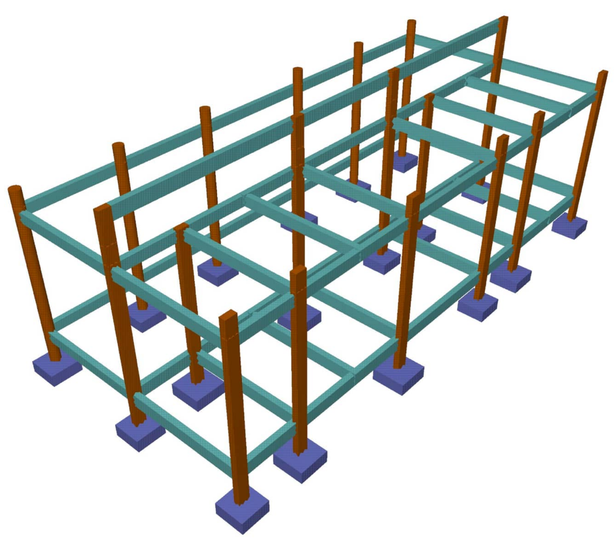
V-1ø8	1	ø8	2		448	1106	6.9	
	2	ø8	2		331	662	4.1	
	3	ø5	19		66	1518		4.3
				Total+10% (x2)			11.0 (22.0)	4.3 (8.6)
V-2 A	1	ø8	2		354	808	5.0	
	2	ø8	2		368	827	5.1	
	3	ø5	19		66	1518		2.5
				Total+10% (x2)			13.8 (27.6)	2.8 (5.6)
V-8	1	ø8	2		648	1570	9.7	
	2	ø8	2		853	2066	12.7	
	3	ø5	19		66	1518		4.3
				Total+10% (x2)			24.4 (48.8)	4.3 (8.6)
V-9	1	ø8	2		354	808	5.0	
	2	ø8	2		1050	2542	15.7	
	3	ø8	2		1017	2282	14.1	
	4	ø8	2		390	878	5.4	
	5	ø5	10		66	1518		10.5
				Total+10% (x2)			40.2 (80.4)	10.5 (21.0)

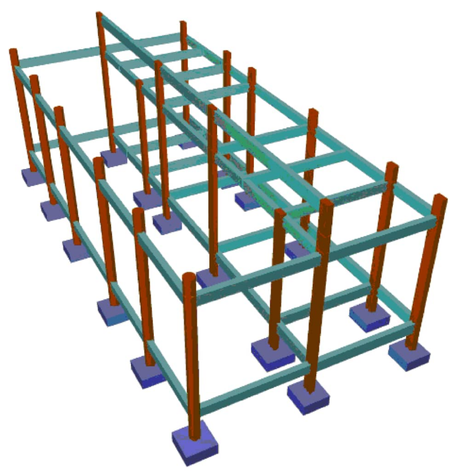
V-1ø8	1	ø8	2		1055	2366	14.7	
	2	ø8	2		368	827	5.1	
	3	ø8	2		1017	2282	14.1	
	4	ø8	2		390	878	5.4	
	5	ø5	10		66	1518		10.4
				Total+10% (x2)			39.3 (78.6)	10.4 (20.8)
V-11	1	ø10	2		1054	2408	25.8	
	2	ø10	2		873	1977	21.2	
	3	ø10	2		1010	2308	24.7	
	4	ø10	2		380	868	9.3	
	5	ø5	10		66	1518		10.4
				Total+10% (x2)			80.4 (160.8)	10.4 (20.8)
				ø5:			39.2	20.8
				ø10:			80.1	0.0
				Total:			119.3	20.8

Topo
Desenho de vigas
Concreto: C25, em geral
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60
Escala vigas 1:50
Escala seções 1:50
Escala aberturas 1:50



Elemento	Pos.	Diam.	Q.	Esquema (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V-1	1	ø8	2		905	2027	12.6	
	2	ø8	2		555	1198	7.4	
	3	ø8	2		863	1937	12.0	
	4	ø8	2		557	1250	7.7	
	5	ø5	10		76	1538		9.5
				Total+10% (x2)			39.9 (79.8)	9.5 (19.0)
				ø5:			0.0	19.0
				ø8:			24.9	0.0
				Total:			24.9	19.0





PREFEITURA:

CREA:

BOMBEIRO OU NATURATINS

PROJETO ESTRUTURAL

Prancha

BANHEIRO PÚBLICO PA PERICATÚ

OBRA: PÚBLICA

CIDADE: PIUM - TO

Proprietário: PREFEITURA MUNICIPAL DE PIUM - TO

01/03

ENDEREÇO: ZONA RURAL PA PERICATÚ - PIUM - TO

QUADRO DE ÁREAS

CONFORME PROJETO ARQUITETONICO

ESCALA INDICADA

Proprietário	Assinatura:	
Autor do Projeto	Nome: VALDEMIR OLIVEIRA BARROS Assinatura: Prefeito Municipal	
RRT.		
Crea 317202 - TO	Nome: ALDO JUNIOR MARTINS COELHO Engenheiro Civil	
Resp. Técnico.	Assinatura:	
RRT.	Nome:	
CAU - TO:		

CONTEUDO:
- DETALHAMENTO DE VIGAS
- VISTA ISOMETRICA

Revisão:	Descrisão Revisão:	Aprovado	Data