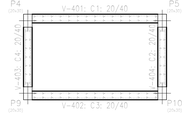
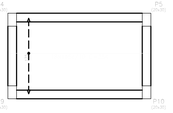
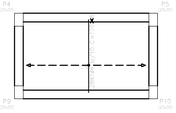


FUNDO RESERVATÓRIO
Fôrmas
Concreto: C25, em geral
Apoio em lajes: CA-50 e CA-60
Escala: 1:50



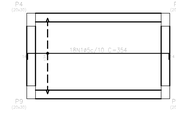
FUNDO RESERVATÓRIO
Armadura longitudinal inferior
Concreto: C25, em geral
CA-50 e CA-60
Escala: 1:50

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
Armadura longitudinal inferior	1	ø5	19	14	326	14		354	6372		10,0
									Total:		10,0
									ø5:	0,0	10,0
									Total:	0,0	10,0



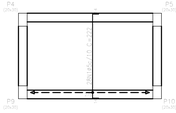
FUNDO RESERVATÓRIO
Armadura transversal inferior
Concreto: C25, em geral
CA-50 e CA-60
Escala: 1:50

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
Armadura transversal inferior	1	ø6,3	29		170		170	4760	11,7		
									Total:	11,7	
									ø6,3:	11,7	0,0
									Total:	11,7	0,0



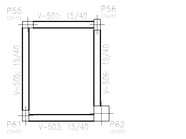
FUNDO RESERVATÓRIO
Armadura longitudinal superior
Concreto: C25, em geral
CA-50 e CA-60
Escala: 1:50

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
Armadura longitudinal superior	1	ø5	19	14	329	14		354	6372		10,0
									Total:		10,0
									ø5:	0,0	10,0
									Total:	0,0	10,0

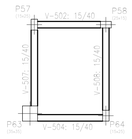


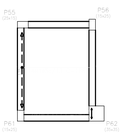
FUNDO RESERVATÓRIO
Armadura transversal superior
Concreto: C25, em geral
CA-50 e CA-60
Escala: 1:50

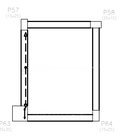
Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
Armadura transversal superior	1	ø5	29	14	198	14		222	6216		9,8
									Total:		9,8
									ø5:	0,0	9,8
									Total:	0,0	9,8



PAREDE FACHADA
Fôrmas
Concreto: C25, em geral
Apoio em lajes: CA-50 e CA-60
Escala: 1:50

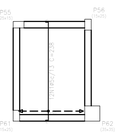


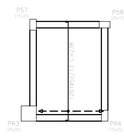




PAREDE FACHADA
Armadura longitudinal inferior
Concreto: C25, em geral
CA-50 e CA-60
Escala: 1:50

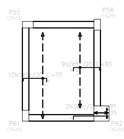
Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
Armadura longitudinal inferior	1	ø5	19	6	176	6	6	188	5263		8,3
	2	ø5	19	4	184	4		195	7605		1,2
									Total:		9,5
									ø5:	0,0	9,5
									Total:	0,0	9,5

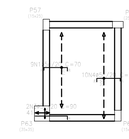




PAREDE FACHADA
Armadura transversal inferior
Concreto: C25, em geral
CA-50 e CA-60
Escala: 1:50

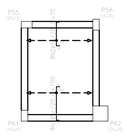
Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
Armadura transversal inferior	1	ø5	29	6	226	6	6	238	5712		9,0
									Total:		9,0
									ø5:	0,0	9,0
									Total:	0,0	9,0

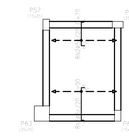




PAREDE FACHADA
Armadura longitudinal superior
Concreto: C25, em geral
CA-50 e CA-60
Escala: 1:50

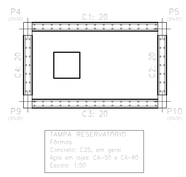
Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
Armadura longitudinal superior	1	ø5	19	6	56	8	70	1330		2,1	
	2	ø5	19	8	68	6	80	1729		1,1	
	3	ø5	4	8	82		90	360		0,6	
	4	ø5	15	8	58	6	70	1109		1,1	
									Total:		4,9
									ø5:	0,0	4,9
									Total:	0,0	4,9



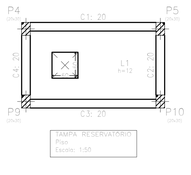


PAREDE FACHADA
Armadura transversal superior
Concreto: C25, em geral
CA-50 e CA-60
Escala: 1:50

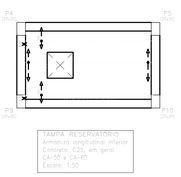
Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
Armadura transversal superior	1	ø5	9	R	56	R	70	1100	850		1,3
	2	ø5	19	R	58	R	70	1129	1120		1,8
	3	ø5	4	R	56	R	90	720	1,1		1,1
									Total:		4,2
									ø5:	0,0	4,2
									Total:	0,0	4,2



TAMPA RESERVATÓRIO
Fôrmas
Concreto: C25, em geral
Apoio em lajes: CA-50 e CA-60
Escala: 1:50

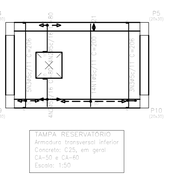


TAMPA RESERVATÓRIO
Piso
Escala: 1:50



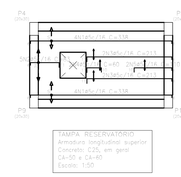
TAMPA RESERVATÓRIO
Armadura longitudinal inferior
Concreto: C25, em geral
CA-50 e CA-60
Escala: 1:50

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
Armadura longitudinal inferior	1	ø5	9		100		100	900		4,7
	2	ø5	3	10	70		90	270		0,5
	3	ø5	11	10	140		170	1870		2,2
								Total:		7,4
								ø5:	0,0	7,4
								Total:	0,0	7,4



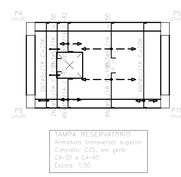
TAMPA RESERVATÓRIO
Armadura transversal inferior
Concreto: C25, em geral
CA-50 e CA-60
Escala: 1:50

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
Armadura transversal inferior	1	ø5	14		220		220	2800		4,4
	2	ø5	9	10	70		80	640		1,0
	3	ø5	9	6	136	6	156	1648		2,6
								Total:		8,0
								ø5:	0,0	8,0
								Total:	0,0	8,0



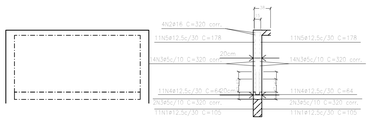
TAMPA RESERVATÓRIO
Armadura longitudinal superior
Concreto: C25, em geral
CA-50 e CA-60
Escala: 1:50

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
Armadura longitudinal superior	1	ø5	9	6	126	11	138	2754		4,2
	2	ø5	3	6	66	11	83	415		0,7
	3	ø5	4	11	156	6	215	1032		1,3
	4	ø5	2	11	39	10	60	120		0,2
	5	ø5	2	10	94	8	110	220		0,3
								Total:		6,7
								ø5:	0,0	6,7
								Total:	0,0	6,7



TAMPA RESERVATÓRIO
Armadura transversal superior
Concreto: C25, em geral
CA-50 e CA-60
Escala: 1:50

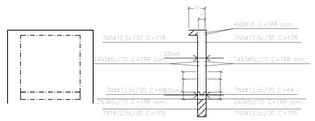
Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
Armadura transversal superior	1	ø5	9	6	184	6	200	1728		1,7
	2	ø5	10	6	84	10	100	1000		1,6
	3	ø5	10	6	84	6	100	1000		1,6
	4	ø5	4	6	65	11	82	328		0,5
	5	ø5	4	11	65	6	82	328		0,5
								Total:		6,1
								ø5:	0,0	6,1
								Total:	0,0	6,1



Escala: 1:50
CORTINA RESERVATÓRIO

C1: Pisos 5 a 6

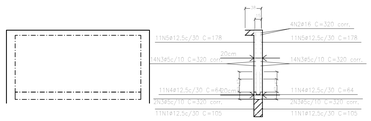
Ver desenho de vigas.



Escala: 1:50
CORTINA RESERVATÓRIO

C2: Pisos 5 a 6

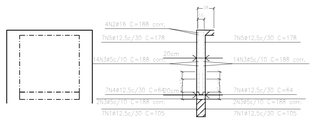
Ver desenho de vigas.



Escala: 1:50
CORTINA RESERVATÓRIO

C3: Pisos 5 a 6

Ver desenho de vigas.



Escala: 1:50
CORTINA RESERVATÓRIO

C4: Pisos 5 a 6

Ver desenho de vigas.

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
C1	1	ø12.5	22	20	80		100	2310	22,2	
	2	ø16	4		VAR.		VAR.	1280	20,2	
	3	ø5	32		VAR.		VAR.	10240		16,1
	4	ø12.5	22		64		64	1408	13,6	
	5	ø12.5	22	38	140		178	3916	37,7	
								Total:	93,7	16,1
								ø5:	0,0	16,1
								ø12.5:	73,5	0,0
								ø16:	20,2	0,0
								Total:	93,7	16,1

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
C2	1	ø12.5	14	20	80		100	1470	14,2	
	2	ø16	4		VAR.		VAR.	752	11,9	
	3	ø5	32		VAR.		VAR.	6016		9,4
	4	ø12.5	22		64		64	896	8,6	
	5	ø12.5	22	38	140		178	2492	24,0	
								Total:	58,7	9,4
								ø5:	0,0	9,4
								ø12.5:	46,8	0,0
								ø16:	11,9	0,0
								Total:	58,7	9,4

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
C3	1	ø12.5	22	20	80		100	2310	22,2	
	2	ø16	4		VAR.		VAR.	1280	20,2	
	3	ø5	32		VAR.		VAR.	10240		16,1
	4	ø12.5	22		64		64	1408	13,6	
	5	ø12.5	22	38	140		178	3916	37,7	
								Total:	93,7	16,1
								ø5:	0,0	16,1
								ø12.5:	73,5	0,0
								ø16:	20,2	0,0
								Total:	93,7	16,1

Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
C4	1	ø12.5	14	20	80		100	1470	14,2	
	2	ø16	4		VAR.		VAR.	752	11,9	
	3	ø5	32		VAR.		VAR.	6016		9,4
	4	ø12.5	14	38	140		178	2492	24,0	
								Total:	58,7	9,4
								ø5:	0,0	9,4
								ø12.5:	46,8	0,0
								ø16:	11,9	0,0
								Total:	58,7	9,4

NOVA FRIBURGO PREFEITURA

SECRETARIA DE OBRAS

CONSTRUÇÃO - UBS RUI SANGLARD

ASSUNTO:
PROJETO BÁSICO DE ESTRUTURAS DA EDIFICAÇÃO

PLANTA:
DETALHAMENTOARMADURA LAJES RESERVATÓRO E FACHADA

SECRETÁRIO DE OBRAS:

Assinado de forma digital por BERNARDO COELHO VERLY:13310135700 Dados: 2025.03.17 16:37:00 -03'00'

Bernardo Coelho Verly - Matrícula: 62.009

SUBSECRETÁRIO DE PROJETOS E: RESPONSÁVEL LEGAL:

Documento assinado digitalmente gov.br LUAN LEITE FEIJÓ Data: 05/03/2025 14:51:57-0300 Verifique em https://validar.iti.gov.br

Luan Leite Feijó - Matrícula: 115.288 - CREA/RJ: 2013102356

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FEV 2025	INDICADA	R00	A0	01/01

OBSERVAÇÕES: