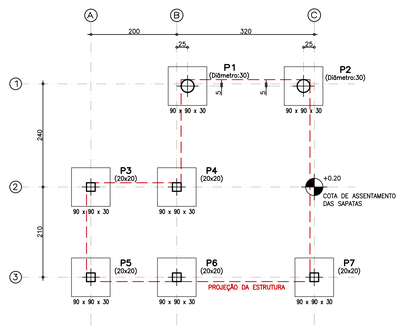
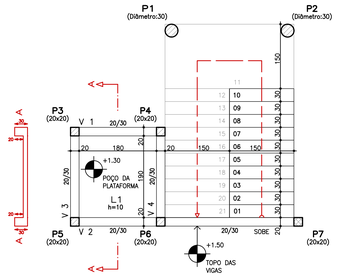
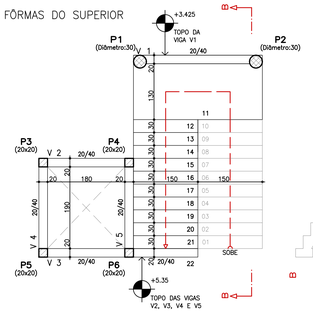
LOCAÇÃO E FÔRMAS DAS FUNDAÇÕES

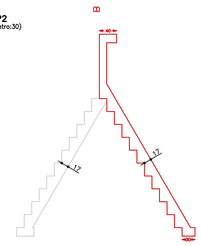


FÔRMAS DO TÉRREO

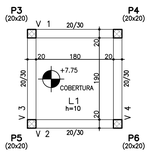


FÔRMAS DO SUPERIOR

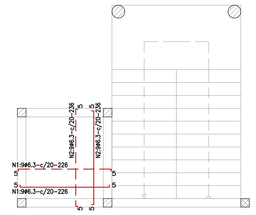


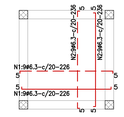


FÔRMAS DA COBERTURA



LAJES





Elemento	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
Armaduras da Laje Térreo	1	Ø6.3	18	226	4068	10.0	
	2	Ø6.3	18	236	4248	10.4	
				Total:		20.4	
				Ø6.3:		20.4	0.0
				Total:		20.4	0.0

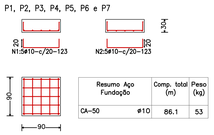
Elemento	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
Armaduras da Laje Cobertura	1	Ø6.3	18	226	4068	10.0	
	2	Ø6.3	18	236	4248	10.4	
				Total:		20.4	
				Ø6.3:		20.4	0.0
				Total:		20.4	0.0

Resumo Aço Térreo Armadura longitudinal inferior	Comp. total (m)	Peso (kg)
CA-50 Ø6.3	83.2	20

Resumo Aço Cobertura Armadura longitudinal inferior	Comp. total (m)	Peso (kg)
CA-50 Ø6.3	83.2	20

SAPATAS

P1, P2, P3, P4, P5, P6 e P7

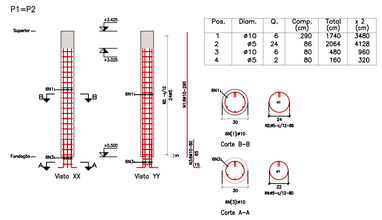


Resumo Aço Fundação		Comp. total (m)	Peso (kg)
CA-50	Ø10	86.1	53

Elemento	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
P1=P2=P3=P4=P5 P6=P7	1	Ø10	5	123	615	3.8	
	2	Ø10	5	123	615	3.8	
				Total:	(x7):	7.6	
						53.2	
				Ø10:		53.2	0.0
				Total:		53.2	0.0

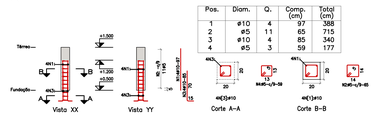
PILARES

P1=P2



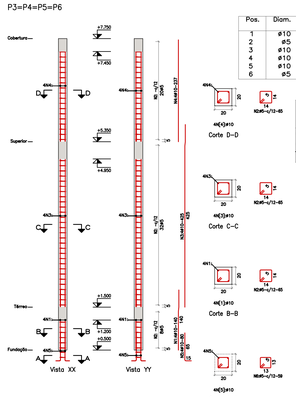
Pos.	Diam.	Q.	Comp. (cm)	Total (cm)	x 2 (cm)
1	Ø10	6	290	1740	3480
2	Ø5	24	86	2064	4128
3	Ø10	6	80	480	960
4	Ø5	2	80	160	320

P7



Pos.	Diam.	Q.	Comp. (cm)	Total (cm)
1	Ø10	4	97	388
2	Ø5	11	65	715
3	Ø10	4	85	340
4	Ø5	3	59	177

P3=P4=P5=P6

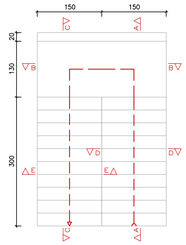


Pos.	Diam.	Q.	Comp. (cm)	Total (cm)	x 4 (cm)
1	Ø10	4	140	560	2240
2	Ø5	60	65	3900	15600
3	Ø10	4	425	1700	6800
4	Ø10	4	237	948	3792
5	Ø10	4	80	320	1280
6	Ø5	2	59	118	472

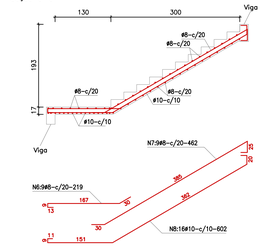
Resumo Aço Pilares		Comp. total (m)	Peso (kg)	Total
CA-50	Ø10	192.8	119	119
CA-60	Ø5	214.1	34	34
Total				153

ESCADA

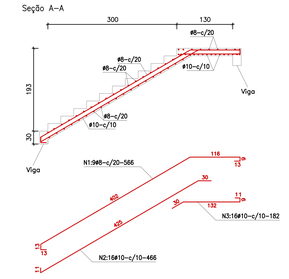
Escada		
Geometria	Largura	1.500 m
	Espessura	0.17 m
	Piso	0.300 m
	Espelho	0.175 m
	Desnível que vence	3.85 m
	Nº de degraus	22
	Piso final	Superior
	Piso inicial	Térreo
Cargas	Peso próprio	0.425 t/m2
	Degrave (Concretado com a laje)	0.189 t/m2
	Revestimento	0.100 t/m2
	Guarda-corpos	0.300 t/m
	Sobrecarga	0.300 t/m2
Materiais	Concreto	C25, em geral
	Aço	CA-50 e CA-60
	Cob. geométrico	2.5 cm



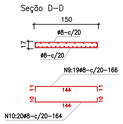
Seção C-C



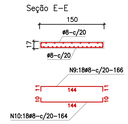
Seção A-A



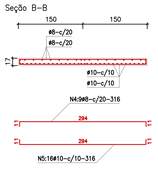
Seção D-D



Seção E-E



Seção B-B

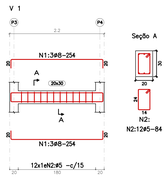


Elemento	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
Escada	1	Ø8	9	566	5094	20.1	
	2	Ø10	16	466	7456	45.9	
	3	Ø10	16	182	2912	17.9	
	4	Ø8	9	316	2844	11.2	
	5	Ø10	16	316	5056	31.2	
	6	Ø8	9	219	1971	7.8	
	7	Ø8	9	462	4158	16.4	
	8	Ø10	16	602	9632	59.4	
	9	Ø8	37	166	6142	24.3	
	10	Ø8	38	164	6232	24.6	
				Total:		258.8	
				Ø8:		104.4	0.0
				Ø10:		154.4	0.0
				Total:		258.8	0.0

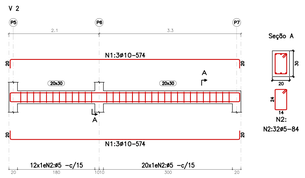
Resumo Aço Escada		Comp. total (m)	Peso (kg)	Total
CA-50	Ø8	264.4	104	
	Ø10	250.6	154	258

VIGAS DO TÉRREO

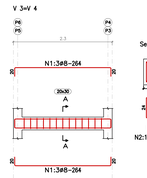
V 1



V 2



V 3=V 4



Elemento	Pos.	Diam.	Q.	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
V 1 Térreo	1	Ø8	6	254	1524	6.0	
	2	Ø5	12	84	1008		1.6
					Total:	6.0	1.6
V 2 Térreo	1	Ø10	6	574	3444	21.2	
	2	Ø5	32	84	2688		4.2
					Total:	21.2	4.2
V 3=V 4 Térreo	1	Ø8	6	264	1584	6.3	
	2	Ø5	13	84	1092		1.7
					Total:	6.3	1.7
					(x2):	12.6	3.4
V 1 Superior	1	Ø10	6	384	2304	14.2	
	2	Ø5	15	104	1560		2.4
					Total:	14.2	2.4
V 2 Superior	1	Ø8	6	254	1524	6.0	
	2	Ø5	9	104	936		1.5
					Total:	6.0	1.5
V 3 Superior	1	Ø16	6	414	2484	39.2	
	2	Ø5	18	104	1872		2.9
					Total:	39.2	2.9
V 4=V 5 Superior	1	Ø8	6	264	1584	6.3	
	2	Ø5	10	104	1040		1.6
					Total:	6.3	1.6
					(x2):	12.6	3.2
V 1=V 2 Cobertura	1	Ø8	6	254	1524	6.0	
	2	Ø5	12	84	1008		1.6
					Total:	6.0	1.6
					(x2):	12.0	3.2
V 3=V 4 Cobertura	1	Ø8	6	264	1584	6.3	
	2	Ø5	13	84	1092		1.7
					Total:	6.3	1.7
					(x2):	12.6	3.4
					Ø5:	0.0	25.8
					Ø8:	61.8	0.0
					Ø10:	35.4	0.0
					ø16:	39.2	0.0
					Total:	136.4	25.8

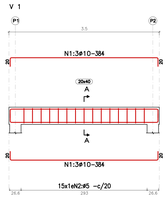
Resumo Aço Desenho de vigas Térreo		Comp. total (m)	Peso (kg)	Total
CA-50	Ø8	46.9	19	
	Ø10	34.4	21	40
CA-60	Ø5	58.8	9	9
Total				49

Resumo Aço Desenho de vigas Superior		Comp. total (m)	Peso (kg)	Total
CA-50	Ø8	46.9	19	
	Ø10	23.0	14	
	ø16	24.8	39	72
CA-60	Ø5	64.5	10	10
Total				82

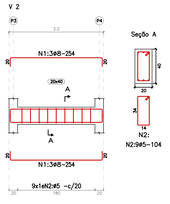
Resumo Aço Desenho de vigas Cobertura		Comp. total (m)	Peso (kg)	Total
CA-50	Ø8	62.2	25	25
CA-60	Ø5	42.0	7	7
Total				32

VIGAS DO SUPERIOR

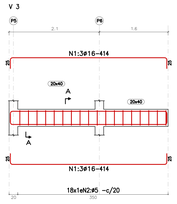
V 1



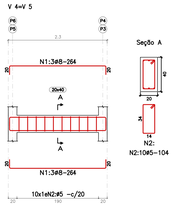
V 2



V 3

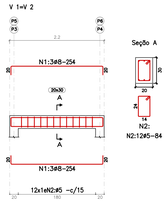


V 4=V 5

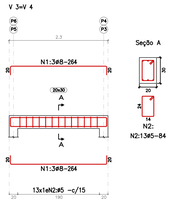


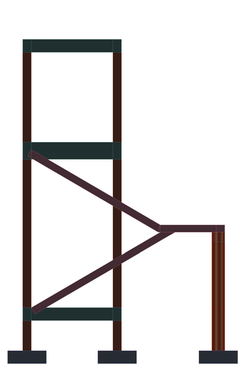
VIGAS DA COBERTURA

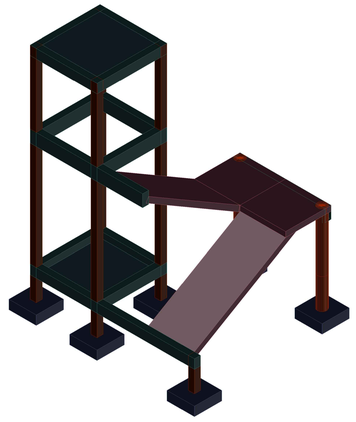
V 1=V 2



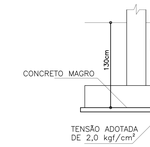
V 3=V 4







DETALHE DAS SAPATAS



1 – CAPACIDADE DE SUPORTE DO TERRENO ADOTADA: 2,0 kgf/cm²

2 – A PROFUNDIDADE DAS SAPATAS SERÃO ⩾ 1,30 m

3 – A CAPACIDADE DE SUPORTE DO TERRENO DEVERÁ SER VERIFICADA EM LOCO POR ENGENHEIRO RESPONSÁVEL DA CONSTRUÇÃO ANTES DE PROCEDER COM A EXECUÇÃO DA FUNDAÇÃO

OBSERVAÇÕES GERAIS

1 – MEDIDAS EM CENTÍMETROS

2 – NÍVEIS EM METROS

NOTAS

1 – RESISTÊNCIA CARCTERÍSTICA DO CONCRETO EM GERAL fck=25,0MPa
RELAÇÃO ÁGUA/CIMENTO EM MASSA (A/C) ⩽ 0.60

2 – CLASSE DE AGRESSIVIDADE AMBIENTAL: II (MODERADA)

3 – CONVENÇÕES: ☐ PILARES QUE NASCEM
☐ PILARES QUE PASSAM
☐ PILARES QUE MORREM

4 – COBRIMENTO NOMINAL DAS ARMADURAS PARA ΔC=5mm
(CONTROLE RIGOROSO DOS COBRIMENTOS)
SAPATAS, PILARES E VIGAS = 3,0cm / LAJES E ESCADAS = 2,5cm

5 – DETALHE DA POSIÇÃO DA ARMADURA NA 2ª CAMADA

6 – O SÍMBOLO ——— INDICA ARMADURA INFERIOR (POSITIVA)

7 – O SÍMBOLO – – – – INDICA ARMADURA SUPERIOR (NEGATIVA)

PROPRIETÁRIO: TRIBUNAL REGIONAL ELEITORAL DA BAHIA

RESPONSÁVEL TÉCNICO: YURI WILLIAM G. ALMEIDA

R00	05/2024	ACS	EMISSÃO INICIAL
REV. Nº	DATA	RESPONSÁVEL	DESCRIÇÃO

ACS ARQUITETURA CONSTRUÇÕES E SERVIÇOS
CNPJ: 21.162.729/0001-34

PODER JUDICIÁRIO FEDERAL
TRIBUNAL REGIONAL ELEITORAL DA BAHIA
SECRETARIA DE GESTÃO ADMINISTRATIVA E DE SERVIÇOS
COORDENADORIA DE OBRAS E MANUTENÇÃO PREDIAL
SEÇÃO DE PROJETOS E OBRAS

NOME DA CONSTRUÇÃO: FÓRUM ELEITORAL DE ITABUNA - TRE - BA
TIPO SERVIÇO: PROJETO EXECUTIVO
ENDEREÇO DA OBRA: AV. JUCA LEÃO, 463, DUQUE DE CAXIAS
MUNICÍPIO: ITABUNA - BA

IDENTIFICAÇÃO DA PLANTA:
FÓRUM ELEITORAL DE ITABUNA
FÔRMAS E ARMADURAS DO ELEVADOR E DA ESCADA

RESPONSÁVEL TÉCNICO: ENG. YURI WILLIAM G. ALMEIDA		CAU/CREA: BA-79.499	TIPO PROJETO: ESTRUTURAL
DESENHO: YURI WILLIAM		PROJETO: TREBA-ITA-EST-01-ESC-R00	PRANCHA: EST 01
ESCALA: 1/50	DATA: MAIO/2024	REVISÃO: 00	

FORMATO DA FOLHA: A0 (841x1189mm)