



LEGENDA	
	PAVIMENTO EXISTENTE
	PAVIMENTO PROJETADO
	PASSARELO EXISTENTE
	EDIFICAÇÃO EXISTENTE
	ESCALA EXISTENTE
	MARCO TOPOGRÁFICO
	REDE ELÉTRICA EXISTENTE
	BOLSA DE LORO EXISTENTE
	MURO EXISTENTE
	MURO EXISTENTE PRINCIPAL
	CURVA DE NÍVEL SECUNDÁRIA
	ÁRVORES
	MURO DE CONCRETO ESTAGIADO DE TOPO
	ÁREA DE PAVIMENTO DE CIMENTO COM CONCRETO PROJETADO - 887,71m²

NOTAS	
1.	COORDENADAS, MEDIDAS E ELEVACÕES EM METROS, EXCETO ONDE INDICADO.
2.	PROJETO GEORREFERENCIADO COM O SISTEMA GEODÉSICO DE REFERÊNCIA SIRGAS 2000. COORDENADAS UTM, MERIDIANO CENTRAL W. 49° E ZONA 23 N.
3.	AS CONTIGUIDADES DEVERÃO SEGUIR O ALINHAMENTO DE PLANTIA.

QUADRO DE MARCOS TOPOGRÁFICOS				
PONTO		NORTE	LESTE	COTA (m)
BASE	7.591.217,04		671.895,40	809,47
M100	7.591.217,00		671.900,00	746,00
M102	7.591.217,63		672.198,21	746,38
M103	7.591.217,89		672.264,05	732,64
M104	7.591.218,00		672.264,05	732,64
M105	7.591.246,75		671.960,03	785,74
M106	7.591.246,80		671.931,23	797,07

[illegible]

TIPOS DE ENSAIO	ATP - ANTERIORETO BSC - BAIXO E/E - ECUATIVO	AFV - APROVADO PCI - P/ CONSTRUÇÃO ASB - "AS BUILT"	CNC - CANCELADO PR - PRÉVIA
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CAVA
INFRAESTRUTURA



CAVA ENGENHARIA DE INFRAESTRUTURA LTDA

ELABORAÇÃO

RUA HAFIA III, COQUELO
BLOCO 02 - JARDIM CARLOS DE FREITAS
CAMPUS CARLOS DE FREITAS - JARDIM CARLOS DE FREITAS
CAMPUS CARLOS DE FREITAS - JARDIM CARLOS DE FREITAS


PREFEITURA DE JUIZ DE FORA
 Avenida M.A.M. 2590 - Centro
 J.F. 08107-000 - J.F. - CEP: 36060-000
 TEL: (31) 3240.0156

PROJETO DE INFRAESTRUTURA - BAIRRO VILA OLAVO COSTA
RUA E. M. OLAVO COSTA - JARDIM DE LOURDES - RECIFE-PE

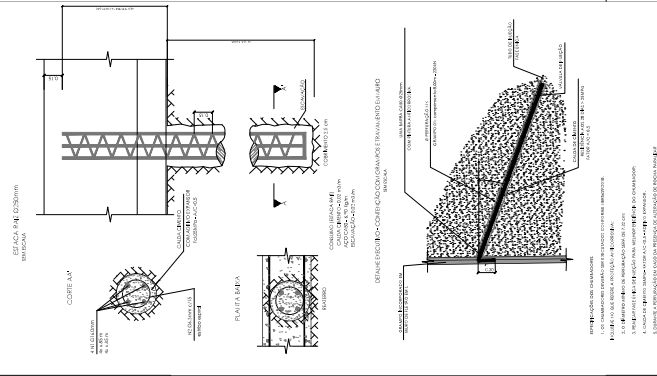
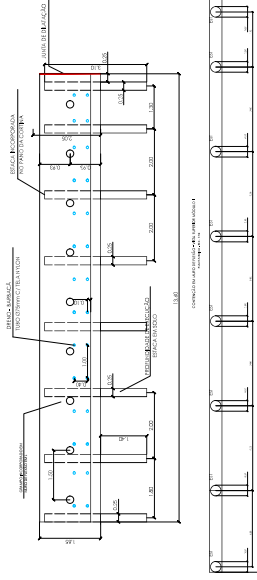
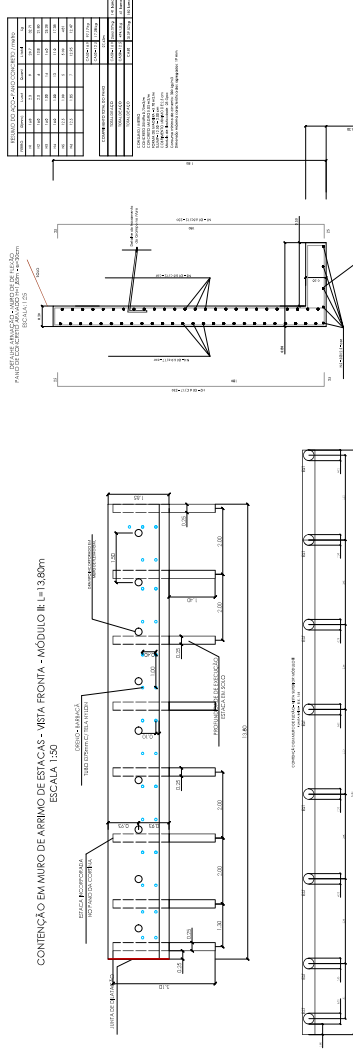
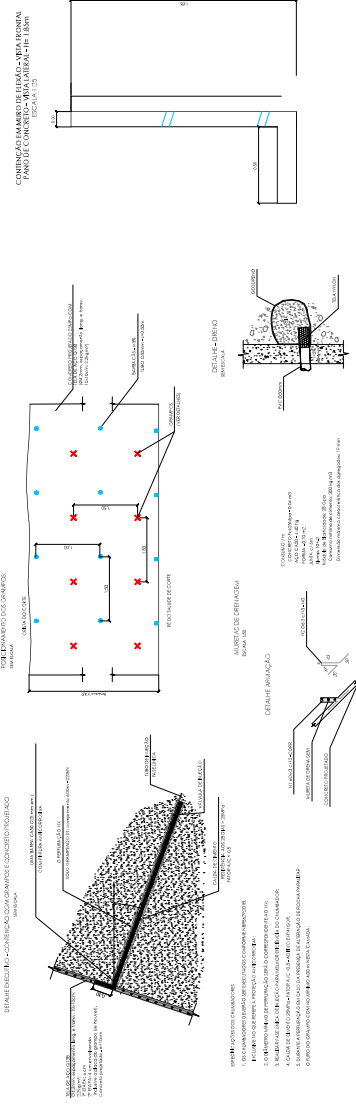
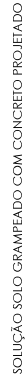
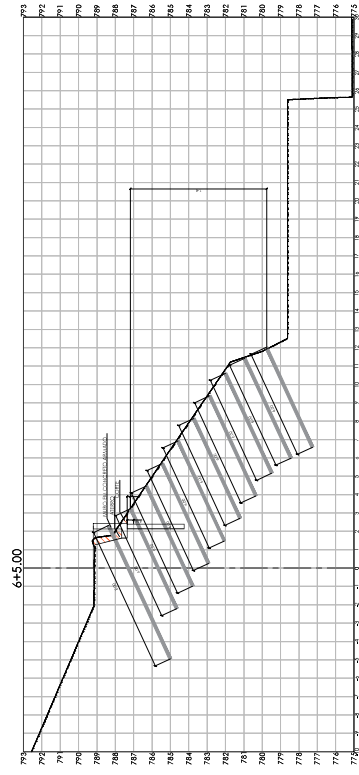
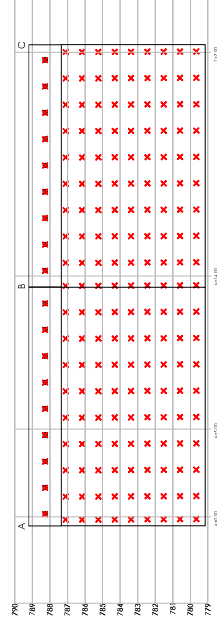
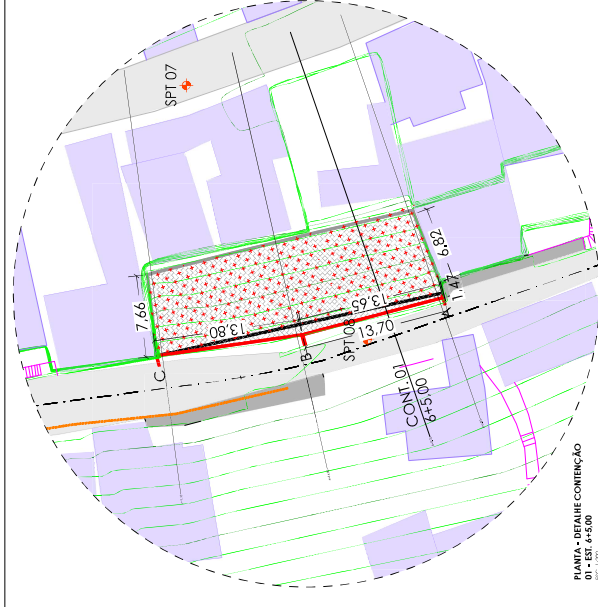
PROJETO DE CONTENÇÃO

AUTOR DO PROJETO: GERMANO REIS Arquiteto de Interiores, grad. UFRJ
COORDENADOR DO PROJETO: COELHO/REIS/STRECH Arquitetos, grad. UFRJ
5631 Projeto de Arquitetura, grad. UFRJ
5632 Projeto de Arquitetura, grad. UFRJ
ENG° GERMANO REIS COELHO Engenheiro Civil, grad. UFRJ
CREA 1-18-042/0-0

COPIANTE DO PROJETO: **GERMANO REIS** Arquiteto de Interiores, grad. UFRJ
COELHO/REIS/STRECH Arquitetos, grad. UFRJ
5631 Projeto de Arquitetura, grad. UFRJ
5632 Projeto de Arquitetura, grad. UFRJ
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5632 Projeto de Arquitetura, grad. UFRJ
ENG° GERMANO REIS COELHO Engenheiro Civil, grad. UFRJ
CREA 1-18-042/0-0

DATA:	FEVEREIRO/2026	SERIAL:	PLACA:	CÓDIGO:	PLACA:
TRILHO 03111408:		PLAQUETA:		01/05	



LEGENDA

1. COORDENADAS, MEDIDAS E ELEVAÇÕES EM METROS, EXCETO ONDE INDICADO.
2. PROJETO GEORREFERENCIADO COM O SISTEMA GEODÉSICO DE REFERÊNCIA SIRGAS 2000, COORDENADAS UTM, MERIDIANO CENTRAL W 49° E ZONA 23 S.
3. AS CONTINGÊNCIAS DEVERÃO SER IGUAIS AO AUMENTO EM PLANTA.
4. OS SARRABAGENS DEVERÃO SER INSTALADOS NA PARTE INFERIOR DOS MURDOS DE ARRIMO.

[illegible]

PROJETO DE INFRAESTRUTURA - BAIRRO VILA OLAVO COSTA

PROJETO DE CONTENÇÃO

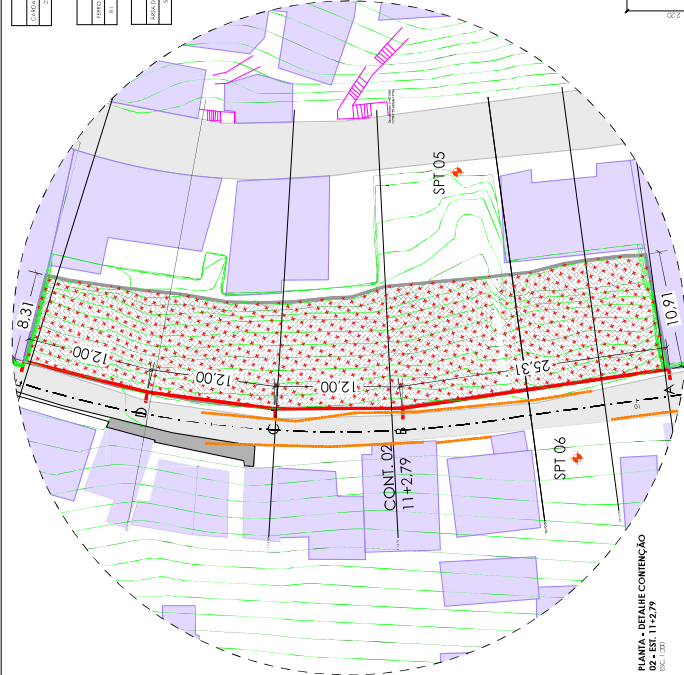
ALFEDINO D'OPIGILION
GERMANO PELLE
Assistente del Soccorso Sigla
con Contrassegno 141
ALFEDINO D'OPIGILION

DATE _____

REVISION _____

CONFERÊNCIA DO ALTO

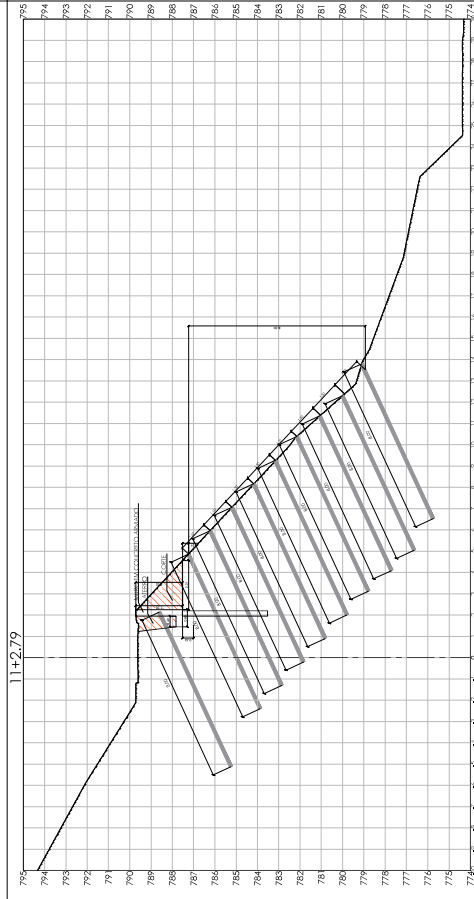
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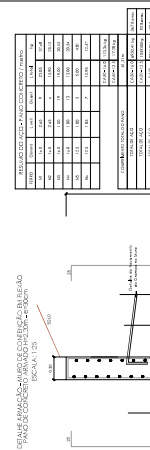
RESUMO DE GRAMPOS				
CARGA DO GRAMPO	Levit	Ocupat	Levit	
2001N	8,05	397	3.174,00	

RESUMO DO AÇO - TOTAL GRAMPOS					
TIPO	Espess	Levit	Ocupat	Levit	mg
11	25,0	8,05	397	3.275,0	8.105,05

RESUMO DE BARRIÇAS				
ÁREA DO PRODUTO	Levit	Ocupat	Levit	Quilograma
595405	1,00m	1,50m	397	397

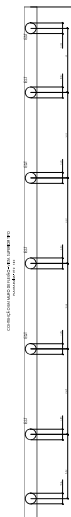
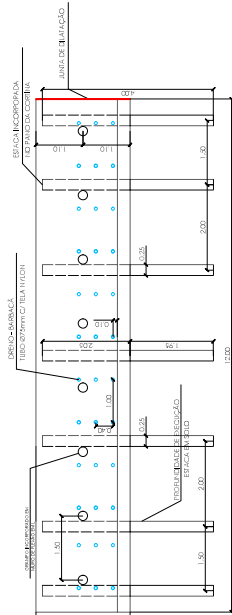


PERFIL - DETALHE CONTENÇÃO 02 - EST. 11+2,79

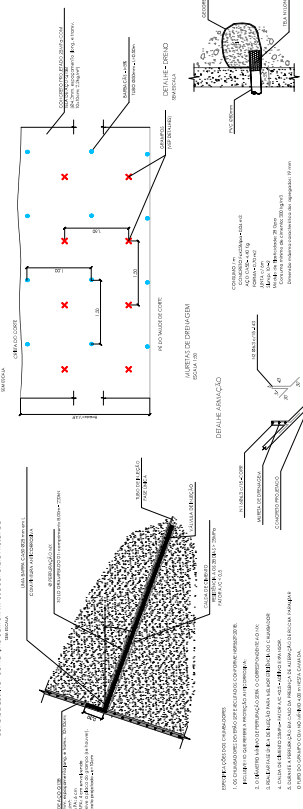


DETALHE APLICAÇÃO - ALUO DE CONTRAÇÃO EM REGÃO

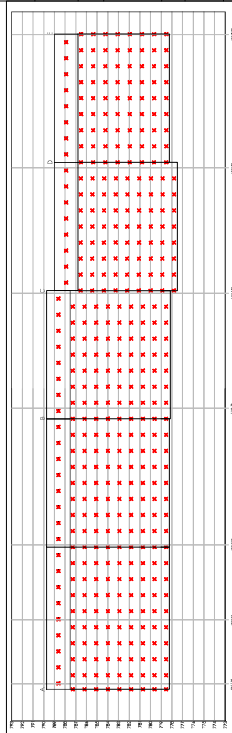
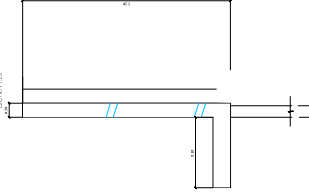
CONTENÇÃO EM MURO DE ARRIMO DE ESTACAS - VISTA FRONTO - MÓDULO 12,00m
ESCALA 1:50



SOLUÇÃO SOLO GRAMPEADO COM CONCRETO PROJETADO



CONDIÇÃO EM MUNDO DE FLEXÃO - VISTA FRONTAL



- NOTAS**
1. COORDENADAS, MEDIDAS E ELEVÇÕES EM METROS, EXCETO ONDE INDICADO.
2. PROJETO GEORRECORRENDO COM O SISTEMA GEODÉSICO DE REFERÊNCIA SIGRAS 2000. COORDENADAS (ITA) MEDIANTE CENTRA EM 49° E ZONE 23 K.
3. AS CONTEÚDOS DE VÍDEO SEGUE O ALINHAMENTO EM PLANTA.
4. OS BARILHOS DE VÍDEO SÃO INSTALADOS NA PARTE INTERIOR DOS MUROS DE ARRIMO DA CORTADURA, SEM AUMENTAR O DESEMPENHO.

Run	CO ₂ /C ₂ H ₄	T ₂	Black/Red	CH ₄ /CO	OH ₂
00	0.00 ± 0.01	1.2	1.0	1.0	2.0 ± 0.2
01	0.00 ± 0.01	1.2	1.0	1.0	2.0 ± 0.2
02	0.00 ± 0.01	1.2	1.0	1.0	2.0 ± 0.2
03	0.00 ± 0.01	1.2	1.0	1.0	2.0 ± 0.2
04	0.00 ± 0.01	1.2	1.0	1.0	2.0 ± 0.2
05	0.00 ± 0.01	1.2	1.0	1.0	2.0 ± 0.2

[illegible]

CAVA  **ILANORACAO**
CAVA ENGENHARIA DE INFRAESTRUTURA LTDA
RUA JACARA, 311 - CHALUPA
Bairro: JACARA - JACARA - JACARA
CEP: 05060-000 - JACARA - JACARA

 **PREFEITURA DE JUIZ DE FORA**
RUA ELIAS GOMES, 2001 - CENTRO
JUIZ DE FORA - MG - CEP: 36.000-010
TEL: (35) 3500.0100

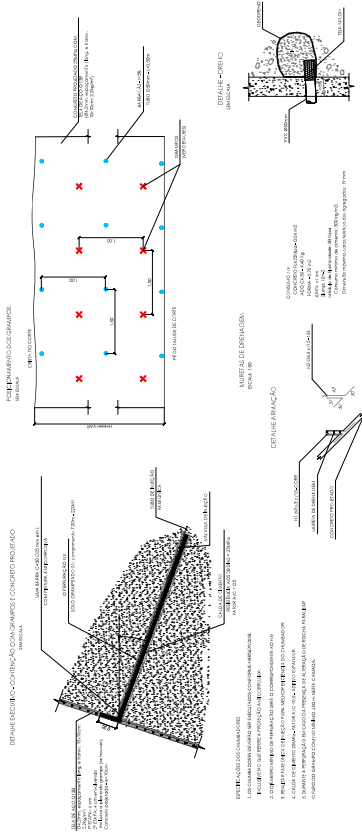
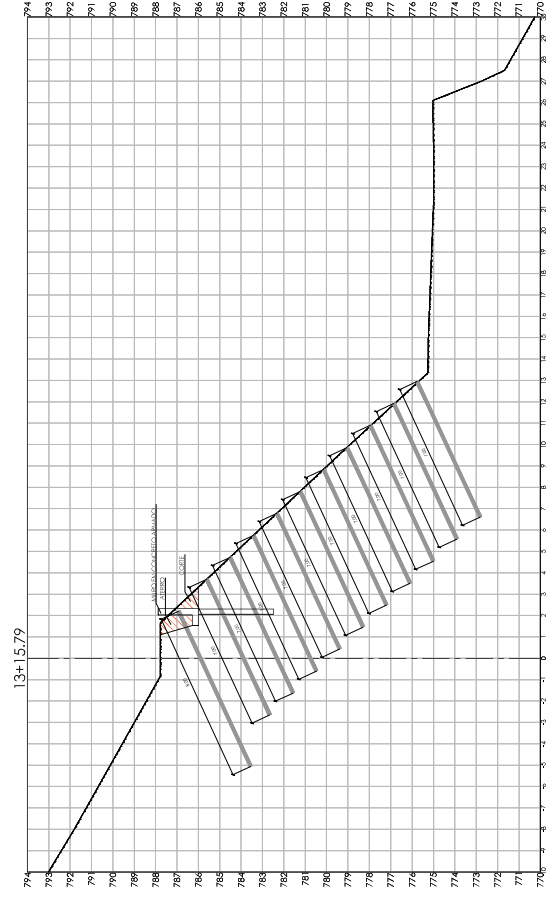
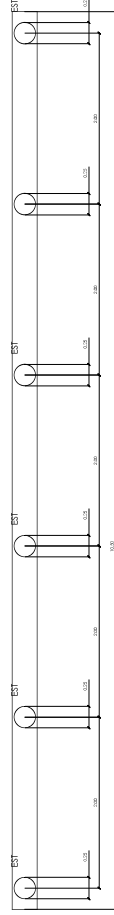
PROJETO DE INFRAESTRUTURA - BAIRRO VILA OLAVO COSTA
PAULO DE OLAVO COSTA - E-207064-00-300-200

ALFONSO DO PRADO	GERMÃO PEREIRA DE SOUZA
GERMÃO PEREIRA DE SOUZA COCALDO/17610 5801	SECRETARIA MUNICIPAL DE CRIANÇA
GERMÃO PEREIRA DE SOUZA COCALDO/17610 5801	SECRETARIA MUNICIPAL DE CRIANÇA

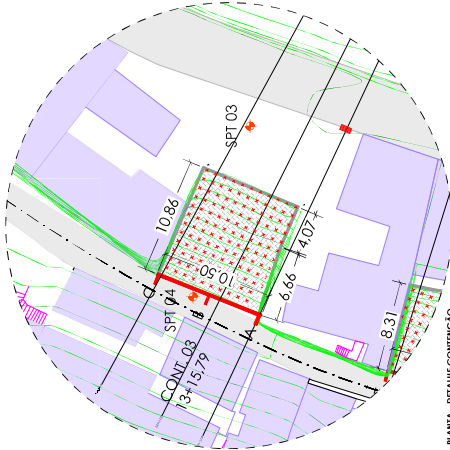
DATA 12/09/2024	REGIÃO FLORESTA	CEP 55000-000
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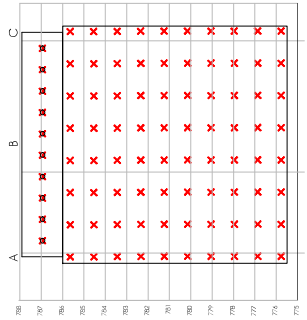
SOLUÇÃO SOLO GRAMPEADO COM CONCRETO PROJETADO

CONTENÇÃO EM MURO DE FLEXÃO - VISTA SUPERIOR TIPO
PLANTA BAIXA - ESC. 1/25

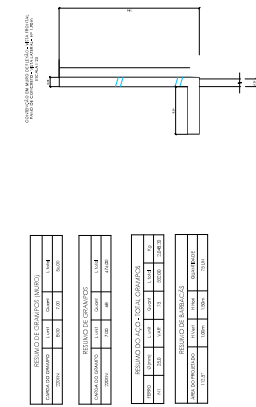
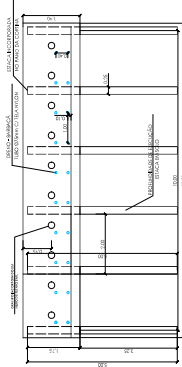
PERFIL - DETALHE CONTENÇÃO 03 - EST. 13+15,79



PLANTA - DETALHE CONTENÇÃO
03 - EST. 13+15,79
ESC. 1:200



CONTENÇÃO EM MURO DE ARRIMO DE ESTACAS - VISTA FRONTAL - MÓDULO 10,50m

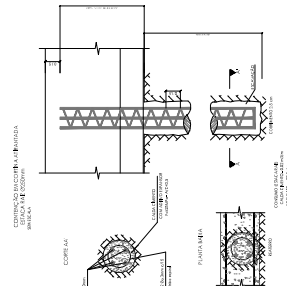


RESUMO DE GRÁFICOS (MARCAS)					
GRUPO DOS GRÁFICOS	1. Local	2. Grau	3. Local	4. Grau	
2000A	8000	2.00	7000	2.00	

RESUMO DE GRÁFICOS					
UNIDADE DOS GRÁFICOS	1. Local	2. Grau	3. Local	4. Grau	
2000B	7.00	2.00	6.00	2.00	

RESUMO DO AÇO - 10% GRÁFICOS					
GRUPO	Grupos	1. Local	2. Grau	3. Local	4. Grau
101	1000	1.00	2.00	1.00	2.00

RESUMO DO AÇO - 20% GRÁFICOS					
GRUPO	Grupos	1. Local	2. Grau	3. Local	4. Grau
201	2000	1.00	2.00	1.00	2.00

[illegible]

PLANTA - DETALHE CONTENÇÃO 04 -
EST. 15+9,99

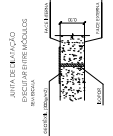
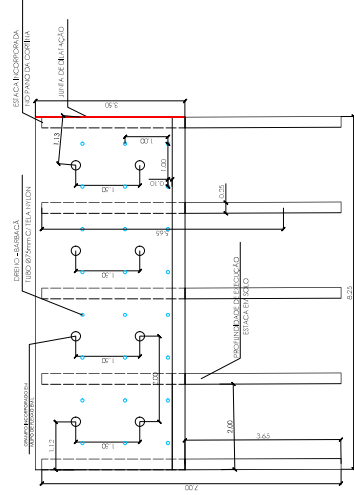
CONTENÇÃO EM MURO DE FLEXÃO - VISTA SUPERIOR TIPO
PLANTA BAIXA - ESC. 1:25

PERFIL - DETALHE CONTENÇÃO 04 - EST. 15+7,00
 Esc. H: 1:1000 | V: 1:100

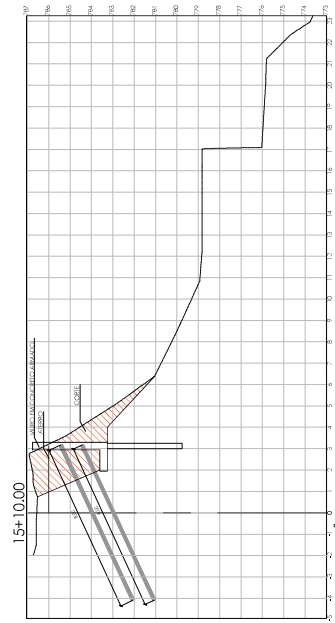
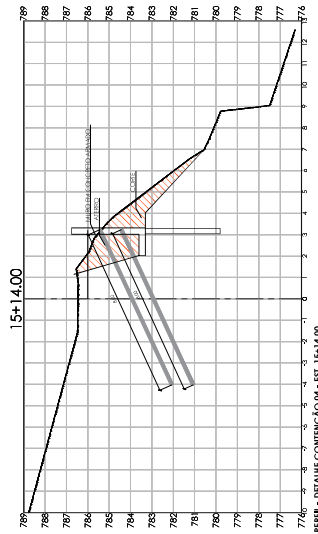
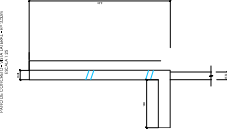
DETALHE ARMADURA DE CONCRETO EJA CONTINUA ATRAVESSADA
PATIO DE CONCRETO ARMADO H=3,50m - em 30cm

REVENUE AND EXPENSE STATEMENT									
FOR THE YEAR ENDED 31/03/2024									
IN RMB									
Revenue	100	100	100	100	100	100	100	100	100
Expenses	20	20	20	20	20	20	20	20	20
Profit	80	80	80	80	80	80	80	80	80
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	5
Net Profit	75	75	75	75	75	75	75	75	75
Dividend	10	10	10	10	10	10	10	10	10
Reserves	65	65	65	65	65	65	65	65	65
Other Reserves	5	5	5	5	5	5	5	5	5
Other Income	10	10	10	10	10	10	10	10	10
Other Expenses	5	5	5	5	5	5	5	5	

CONTENÇÃO EM MURO DE ARRIMO DE ESTACAS - VISTA FRONTO - MÓDULO 8,25m
ESCALA 1:50



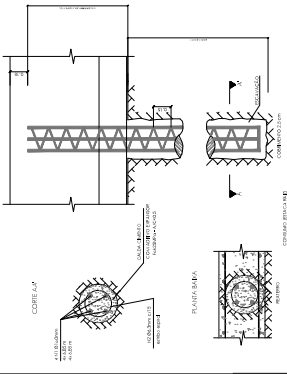
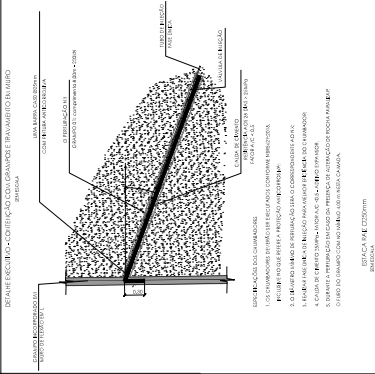
CONDIÇÃO INICIAL DO NÚCLEO - IGA PROVA



RESUMO DE GRAMPOS / MÓDULO			
CARGA DO GRAMPO	Unid	Quant	Total
2201N	8,00	16	128,00

RESUMO DO AÇO - TOTAL GRAMOS				
REFNO	Qgram	Unit	Quant	kg
101	25.00	8.30	1.6	324.09

RESUMO DE BARRAS		
ÁREA DO MURO	H Vert	QUANTIDADE
67,57	1,50m	0,40m
		12 UN



- NOTAS**
1. COORDENADAS, MEDIDAS E ELEVAÇÕES EM METROS, DICEMO ONDE INDICADO.
 2. PERFIL GEOREFERENCIADO COM O SISTEMA GEODÉSICO DE REFERÊNCIA SIRGAS 2000, COORDENADAS UTM, ALTIMETRIA EM METROS E ÂNGULO DE 23,4°.
 3. AS CONTEÚDOS DEVEVERO SEGUIR O ALINHAMENTO ESTATANTE.
 4. OS IMBARRAÇOS DEVEVERO SER INSTALADOS NA PARTE INTERIORES DOS MÓDULOS DE ARMAIO.

NEW CONCEPT 17 MONTH OPERATING PERFORMANCE REPORT.					
PLANT	SIZE (sq. ft.)	YTD	EXP. 2000	CHG. 2000	DATA
01	1,000	100	100	100	20,000.00
02	2,000	200	200	200	40,000.00
03	3,000	300	300	300	60,000.00
04	4,000	400	400	400	80,000.00
05	5,000	500	500	500	100,000.00
06	6,000	600	600	600	120,000.00
07	7,000	700	700	700	140,000.00
08	8,000	800	800	800	160,000.00
09	9,000	900	900	900	180,000.00
10	10,000	1,000	1,000	1,000	200,000.00
11	11,000	1,100	1,100	1,100	220,000.00
12	12,000	1,200	1,200	1,200	240,000.00
13	13,000	1,300	1,300	1,300	260,000.00
14	14,000	1,400	1,400	1,400	280,000.00
15	15,000	1,500	1,500	1,500	300,000.00
16	16,000	1,600	1,600	1,600	320,000.00
17	17,000	1,700	1,700	1,700	340,000.00
18	18,000	1,800	1,800	1,800	360,000.00
19	19,000	1,900	1,900	1,900	380,000.00
20	20,000	2,000	2,000	2,000	400,000.00
21	21,000	2,100	2,100	2,100	420,000.00
22	22,000	2,200	2,200	2,200	440,000.00
23	23,000	2,300	2,300	2,300	460,000.00
24	24,000	2,400	2,400	2,400	480,000.00
25	25,000	2,500	2,500	2,500	500,000.00
26	26,000	2,600	2,600	2,600	520,000.00
27	27,000	2,700	2,700	2,700	540,000.00
28	28,000	2,800	2,800	2,800	560,000.00
29	29,000	2,900	2,900	2,900	580,000.00
30	30,000	3,000	3,000	3,000	600,000.00
31	31,000	3,100	3,100	3,100	620,000.00
32	32,000	3,200	3,200	3,200	640,000.00
33	33,000	3,300	3,300	3,300	660,000.00
34	34,000	3,400	3,400	3,400	680,000.00
35	35,000	3,500	3,500	3,500	700,000.00
36	36,000	3,600	3,600	3,600	720,000.00
37	37,000	3,700	3,700	3,700	740,000.00
38	38,000	3,800	3,800	3,800	760,000.00
39	39,000	3,900	3,900	3,900	780,000.00
40	40,000	4,000	4,000	4,000	800,000.00
41	41,000	4,100	4,100	4,100	820,000.00
42	42,000	4,200	4,200	4,200	840,000.00
43	43,000	4,300	4,300	4,300	860,000.00
44	44,000	4,400	4,400	4,400	880,000.00
45	45,000	4,500	4,500	4,500	900,000.00
46	46,000	4,600	4,600	4,600	920,000.00
47	47,000	4,700	4,700	4,700	940,000.00
48	48,000	4,800	4,800	4,800	960,000.00
49	49,000	4,900	4,900	4,900	980,000.00
50	50,000	5,000	5,000	5,000	1,000,000.00
51	51,000	5,100	5,100	5,100	1,020,000.00
52	52,000	5,200	5,200	5,200	1,040,000.00
53	53,000	5,300	5,300	5,300	1,060,000.00
54	54,000	5,400	5,400	5,400	1,080,000.00
55	55,000	5,500	5,500	5,500	1,100,000.00
56	56,000	5,600	5,600	5,600	1,120,000.00
57	57,000	5,700	5,700	5,700	1,140,000.00
58	58,000	5,800	5,800	5,800	1,160,000.00
59	59,000	5,900	5,900	5,900	1,180,000.00
60	60,000	6,000	6,000	6,000	1,200,000.00
61	61,000	6,100	6,100	6,100	1,220,000.00
62	62,000	6,200	6,200	6,200	1,240,000.00
63	63,000	6,300	6,300	6,300	1,260,000.00
64	64,000	6,400	6,400	6,400	1,280,000.00
65	65,000	6,500	6,500	6,500	1,300,000.00
66	66,000	6,600	6,600	6,600	1,320,000.00
67	67,000	6,700	6,700	6,700	1,340,000.00
68	68,000	6,800	6,800	6,800	1,360,000.00
69	69,000	6,900	6,900	6,900	1,380,000.00
70	70,000	7,000	7,000	7,000	1,400,000.00
71	71,000	7,100	7,100	7,100	1,420,000.00
72	72,000	7,200	7,200	7,200	1,440,000.00
73	73,000	7,300	7,300	7,300	1,460,000.00
74	74,000	7,400	7,400	7,400	1,480,000.00
75	75,000	7,500	7,500	7,500	1,500,000.00
76	76,000	7,600	7,600	7,600	1,520,000.00
77	77,000	7,700	7,700	7,700	1,540,000.00
78	78,000	7,800	7,800	7,800	1,560,000.00
79	79,000	7,900	7,900	7,900	1,580,000.00
80	80,000	8,000	8,000	8,000	1,600,000.00
81	81,000	8,100	8,100	8,100	1,620,000.00
82	82,000	8,200	8,200	8,200	1,640,000.00
83	83,000	8,300	8,300	8,300	1,660,000.00
84	84,000	8,400	8,400	8,400	1,680,000.00
85	85,000	8,500	8,500	8,500	1,700,000.00
86	86,000	8,600	8,600	8,600	1,720,000.00
87	87,000	8,700	8,700	8,700	1,740,000.00
88	88,000	8,800	8,800	8,800	1,760,000.00
89	89,000	8,900	8,900	8,900	1,780,000.00
90	90,000	9,000	9,000	9,000	1,800,000.00
91	91,000	9,100	9,100	9,100	1,820,000.00
92	92,000	9,200	9,200	9,200	1,840,000.00
93	93,000	9,300	9,300	9,300	1,860,000.00
94	94,000	9,400	9,400	9,400	1,880,000.00
95	95,000	9,500	9,500	9,500	1,900,000.00
96	96,000	9,600	9,600	9,600	1,920,000.00
97	97,000	9,700	9,700	9,700	1,940,000.00
98	98,000	9,800	9,800	9,800	1,960,000.00
99	99,000	9,900	9,900	9,900	1,980,000.00
100	100,000	10,000	10,000	10,000	2,000,000.00
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CAVA ENGENHARIA DE INFRAESTRUTURA LTDA
 (EMPRESA ABERTA)
 AV. ALFAMA, 135 - CAUJURA
 RIO DE JANEIRO - RJ - CEP 21120-000

 **PREFEITURA DE JUIZ DE FORA**
RUA DE SÃO JOÃO, 2001, CENTRO
JUIZ DE FORA - MG • CEP: 36060-000
TEL: (31) 3627-1100

PROJETO DE INFRAESTRUTURA - SAIRRO VILA OLAVO COSTA

PROJETO DE CONTENÇÃO

ENGR GERMANO REIS CORLEO
CPA-145 1422VAC
7356831
COLLHO 07/876
CERAMICA (TRANSFORMA)
JULIO 2006/03 83
111037-4710

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COMPANY PRESS RELEASE LOCATION



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