

1:60M

CAIXA Produção em Aço

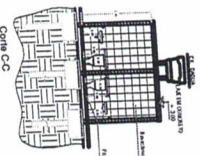
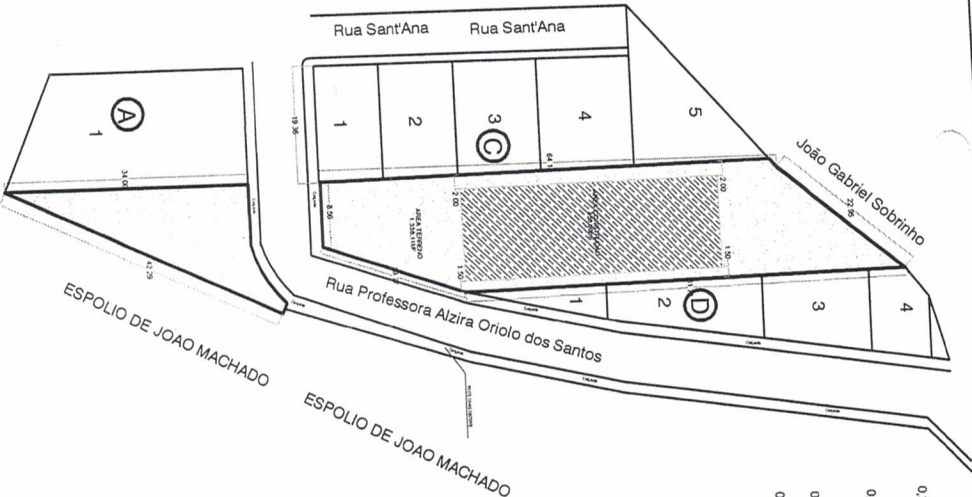
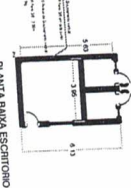
BPSA BARRACÃO DE PRODUÇÃO S/A

Construção Barracão Industrial

0,20M
0,20M
0,40M
0,20M

1,00M

Os seguintes detalhes foram elaborados em conformidade com as normas de dimensionamento para produção em aço.

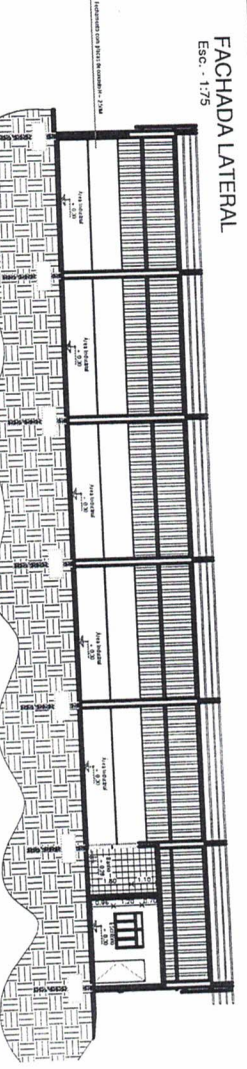
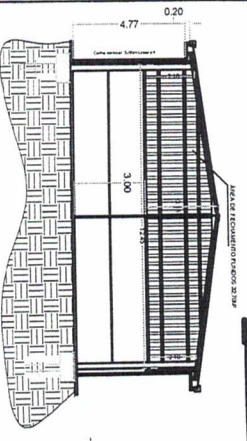
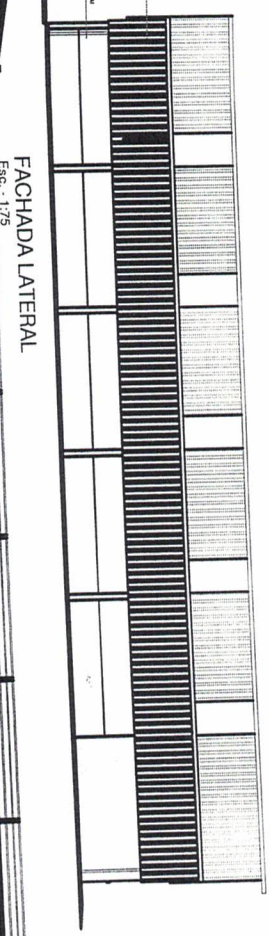
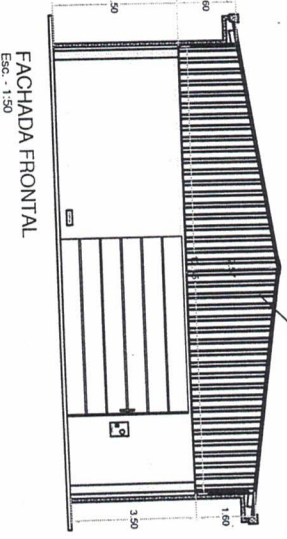
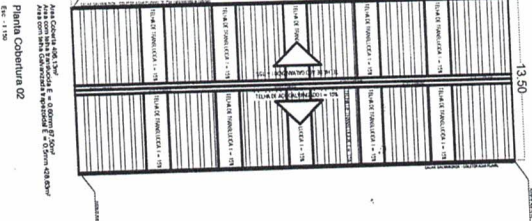
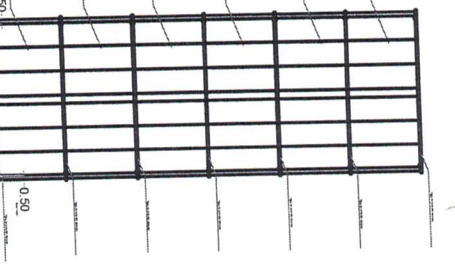
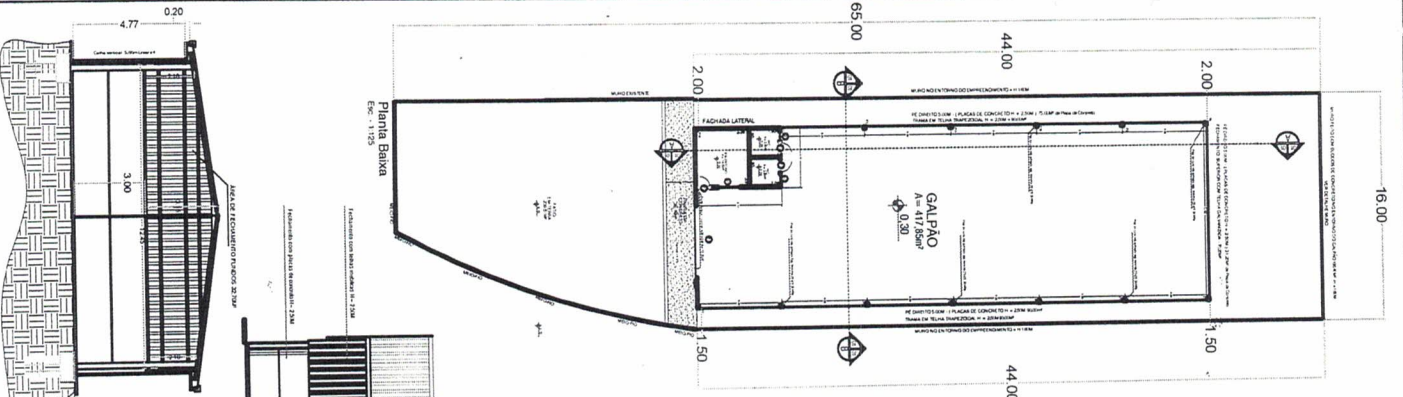


PROJETO BARRACÃO BRAZÓPOLIS - MG

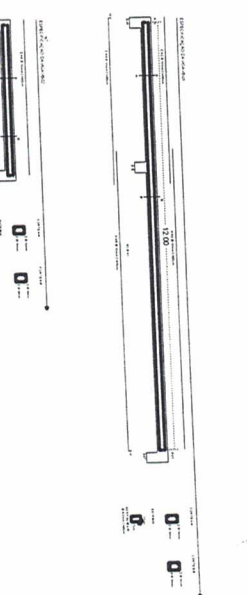
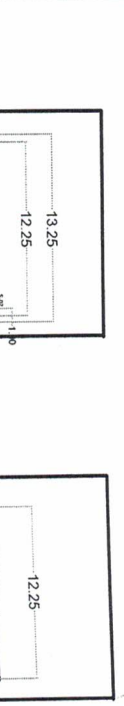
Eng. Responsável: **Carloz Indústrias**

Eng. Responsável: **Carloz Indústrias**

Eng. Responsável: **Carloz Indústrias**



PROJETO	PROJETO BARRACÃO BRAZÓPOLIS - MG
CLIENTE	Carloz Indústrias
LOCALIZAÇÃO	BRAZÓPOLIS - MG
DATA	12/2018
PROJETA	Carloz Indústrias
APROVADO	Carloz Indústrias
PROJETO	PROJETO BARRACÃO BRAZÓPOLIS - MG
CLIENTE	Carloz Indústrias
LOCALIZAÇÃO	BRAZÓPOLIS - MG
DATA	12/2018
PROJETA	Carloz Indústrias
APROVADO	Carloz Indústrias



ESPECIFICAÇÃO FERRAGEM VIGA VB

AÇO	N	DIAM	Q	UNIT	C.10/TOTAL
C450	1	4,2	232	1800	417,60
C450	2	10,0	420	2500	1050,00
C450	3	10,0	4	800	3200
C450	4	10,0	2	450	900
C450	5	10,0	4	810	3240
C450	6	10,0	4	400	1600
C450	7	10,0	2	500	1000
C450	8	10,0	2	250	450
C450	9	10,0	2	250	500
C450	10	10,0	2	610	1220
C450	11	10,0	3	630	1890
C450	12	10,0	3	630	1890
FESD TOTAL					22725
RESUMO DO AÇO					22725

ESPECIFICAÇÃO FERRAGEM VIGA V SUPERIOR

AÇO	N	DIAM	Q	UNIT	C.10/TOTAL
C450	14	4,2	55	1800	990,00
C450	12	10,0	85	2500	2125,00
C450	13	10,0	4	845	3380
FESD TOTAL					4494
RESUMO DO AÇO					4494

RESUMO DO AÇO

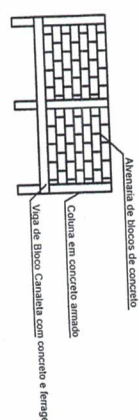
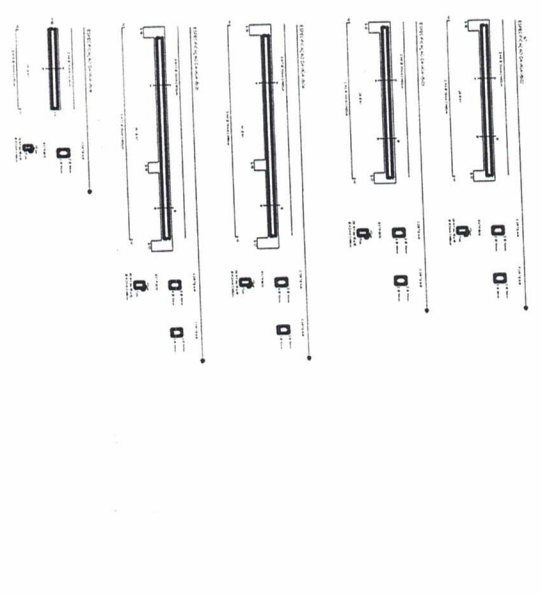
AÇO	DIAM	C.10/TOTAL	FESD + 10%
C450	10,0	183,00	103,50
C450	4,2	227,26	24,98
FESD TOTAL			2300
RESUMO DO AÇO			2300

Vol. de concreto total (C450) = 230m³
Área de forma total = 26,950m²

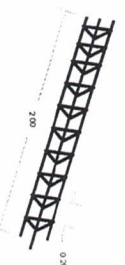
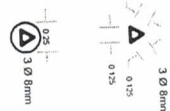
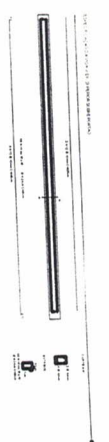
RESUMO DO AÇO

AÇO	DIAM	C.10/TOTAL	FESD + 10%
C450	10,0	60,50	31,03
C450	4,2	41,20	5,16
FESD TOTAL			36,19
RESUMO DO AÇO			36,19

Vol. de concreto total (C30) = 0,35m³
Área de forma total = 4,66m²



Representação
Muro de fechamento
Sem Esc.



LOCAÇÃO BLOCOS/SAPATAS
Esc. - 1/25

VIGA BAUDRAME
Esc. - 1/25

ESPECIFICAÇÃO FERRAGEM BLOCO SAPATA

AÇO	N	DIAM	Q	UNIT	C.10/TOTAL
C450	1	12,5	448	170	76160
C450	2	6,3	42	415	17430
C450	3	12,5	560	155	86800
C450	4	6,3	560	150	84000
C450	5	6,3	560	20	11200
C450	6	6,3	24	208	4992
C450	7	6,3	32	144	4608
C450	8	6,3	8	246	1968
FESD TOTAL					19888

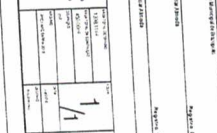
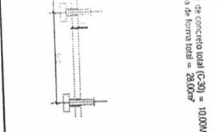
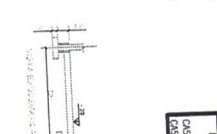
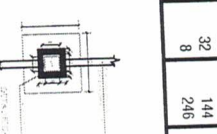
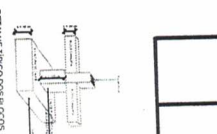
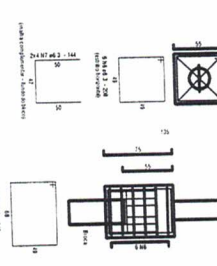
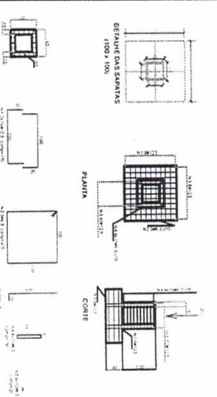
RESUMO DO AÇO

AÇO	DIAM	C.10/TOTAL	FESD + 10%
C450	12,5	1241,99	136,62
C450	6,3	1241,99	304,29
FESD TOTAL			113,50
RESUMO DO AÇO			113,50

Vol. de concreto total (C450) = 1000m³
Área de forma total = 28,00m²

Detalhe Ferragem
Muro de fechamento
Sem Esc.

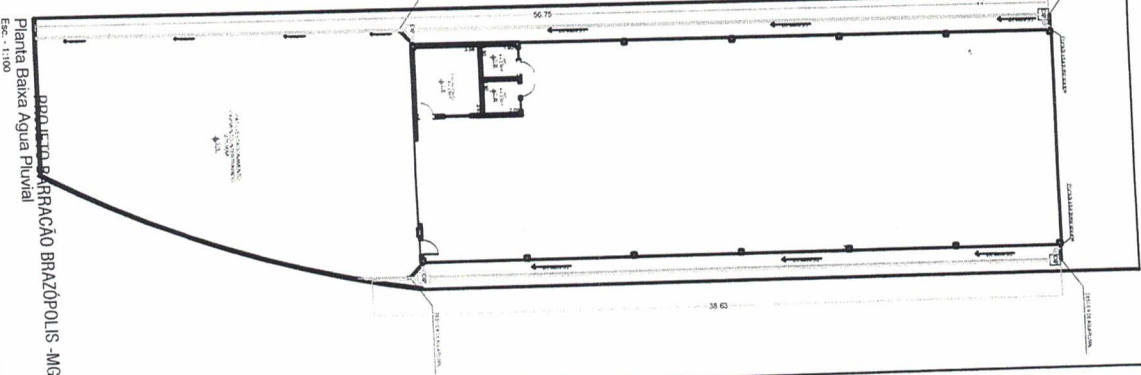
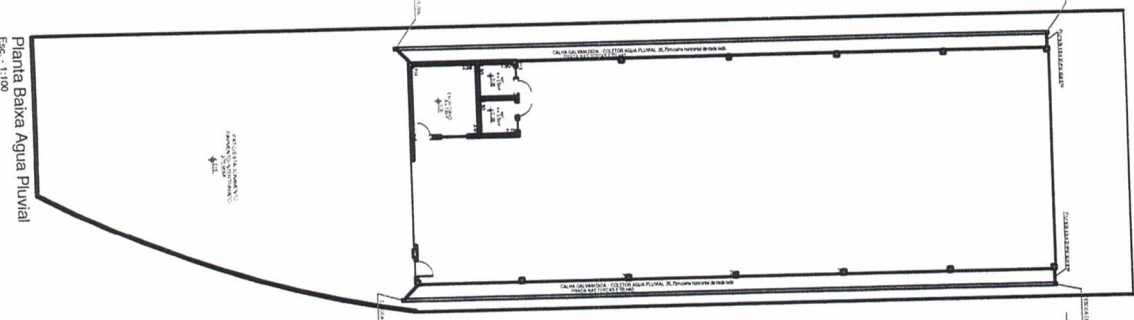
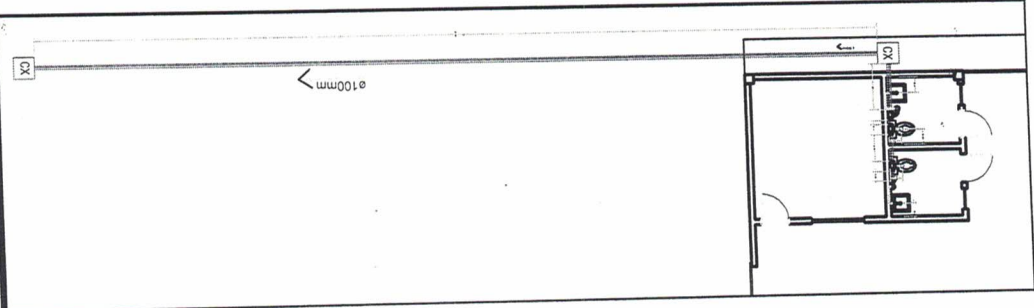
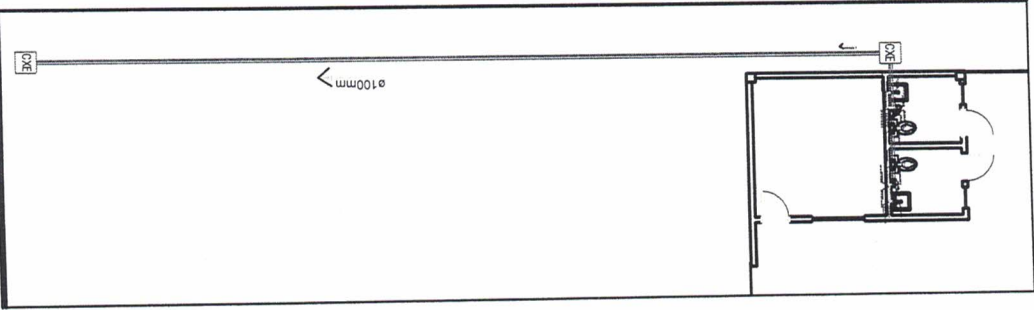
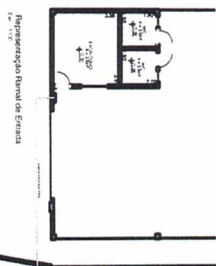
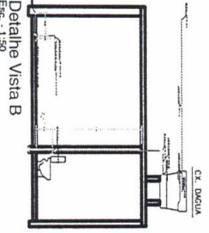
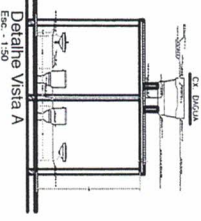
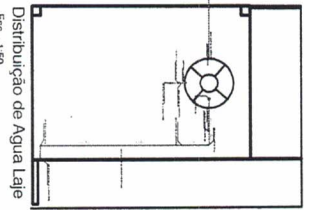
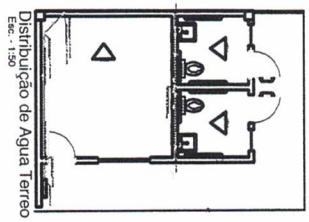
PROJETO BARRAÇÃO BRAZÓPOLIS -MG
BARRAÇÃO INDUSTRIAL
PROJETO DE FUNDAMENTOS
PROJETO DE FUNDAMENTOS
PROJETO DE FUNDAMENTOS



Rede de Agua Pluvial

Área que existe rede de esgoto

Área que existe distribuição de água



ITEM	QUANTIDADE	UNIDADE	VALOR UNITÁRIO (R\$)	VALOR TOTAL (R\$)
1	1	m²	100,00	100,00
2	2	m²	200,00	400,00
3	3	m²	300,00	900,00
4	4	m²	400,00	1.600,00
5	5	m²	500,00	2.500,00
6	6	m²	600,00	3.600,00
7	7	m²	700,00	4.900,00
8	8	m²	800,00	6.400,00
9	9	m²	900,00	8.100,00
10	10	m²	1.000,00	10.000,00
TOTAL				50.000,00

ITEM	QUANTIDADE	UNIDADE	VALOR UNITÁRIO (R\$)	VALOR TOTAL (R\$)
1	1	m²	100,00	100,00
2	2	m²	200,00	400,00
3	3	m²	300,00	900,00
4	4	m²	400,00	1.600,00
5	5	m²	500,00	2.500,00
6	6	m²	600,00	3.600,00
7	7	m²	700,00	4.900,00
8	8	m²	800,00	6.400,00
9	9	m²	900,00	8.100,00
10	10	m²	1.000,00	10.000,00
TOTAL				50.000,00

ITEM	QUANTIDADE	UNIDADE	VALOR UNITÁRIO (R\$)	VALOR TOTAL (R\$)
1	1	m²	100,00	100,00
2	2	m²	200,00	400,00
3	3	m²	300,00	900,00
4	4	m²	400,00	1.600,00
5	5	m²	500,00	2.500,00
6	6	m²	600,00	3.600,00
7	7	m²	700,00	4.900,00
8	8	m²	800,00	6.400,00
9	9	m²	900,00	8.100,00
10	10	m²	1.000,00	10.000,00
TOTAL				50.000,00

PROPOSTA DE ORÇAMENTO

PROPOSTA Nº: 001/2024

EMPRESA: CONSTRUTORA ABC

VALOR TOTAL: R\$ 50.000,00

DATA: 15/03/2024

ASSINATURA: [Assinatura]

EMPRESA: CONSTRUTORA ABC

VALOR TOTAL: R\$ 50.000,00

DATA: 15/03/2024

ASSINATURA: [Assinatura]