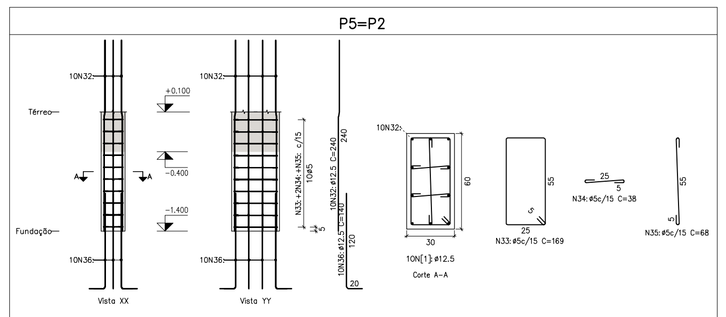
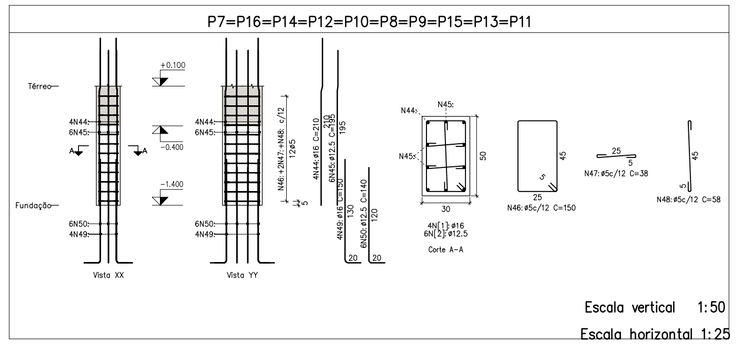
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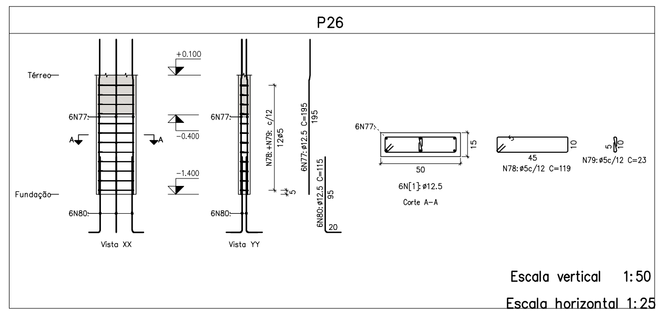


Planta: Térreo
Concreto: C25, usina.rigor
Aço das barras: CA-50 e CA-60
Aço dos estribos: CA-50 e CA-60

P7=P16=P14=P12=P10=P8=P9=P15=P13=P11

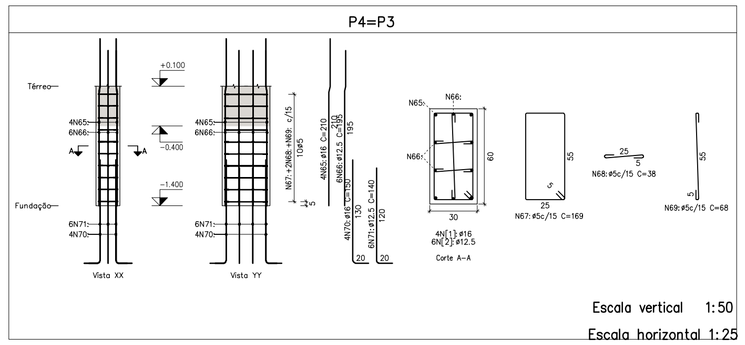


P26

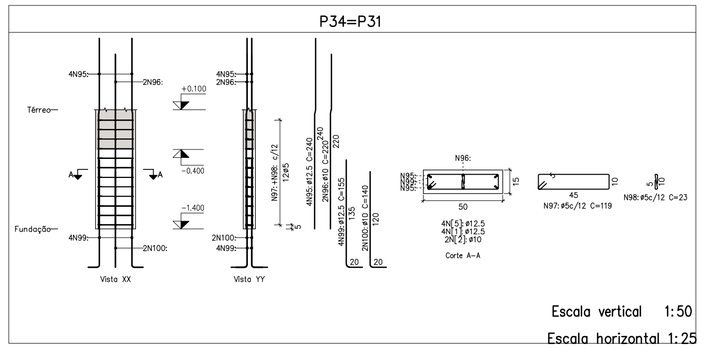


Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
P41=P35=P29=P36=P30=P23	1	ø16	4				265	1060	16.7	
	2	ø12.5	4				240	960	9.2	
	3	ø5	12				149	1788		2.8
	4	ø5	12				38	456		0.7
	5	ø5	12				58	696		1.1
	6	ø16	4				180	720	11.4	
	7	ø12.5	4				155	620	6.0	
								Total+10%	43.6	5.1
								(+25):	283.6	30.6
P47=P42	8	ø16	4				210	840	13.3	
	9	ø12.5	6				195	1170	11.3	
	10	ø5	12				169	2028		3.2
	11	ø5	24				38	912		1.4
	12	ø16	4				180	720	11.4	
	13	ø12.5	6				155	930	9.0	
								Total+10%	49.5	5.1
								(+25):	99.0	10.2
P46=P43	14	ø12.5	8				195	1560	15.0	
	15	ø5	12				169	2028		3.2
	16	ø5	24				38	912		1.4
	17	ø12.5	8				155	1240	11.9	
								Total+10%	29.6	5.1
								(+2):	59.2	10.2
P39=P38	18	ø12.5	8				195	1560	15.0	
	19	ø5	16				147	2352		3.7
	20	ø5	32				27	864		1.4
	21	ø12.5	8				155	1240	11.9	
								Total+10%	29.6	5.6
								(+2):	59.2	11.2
P28=P24	22	ø12.5	4				240	960	9.2	
	23	ø10	2				220	440	2.7	
	24	ø5	12				119	1428		2.2
	25	ø5	12				13	276		0.4
	26	ø12.5	4				160	640	6.2	
	27	ø10	2				145	290	1.8	
								Total+10%	21.9	2.9
								(+2):	43.8	5.8
P40=P37	28	ø12.5	8				195	1560	15.0	
	29	ø5	24				147	1764		2.8
	30	ø5	24				27	648		1.0
	31	ø12.5	8				115	920	8.9	
								Total+10%	26.3	4.2
								(+2):	52.6	8.4

P4=P3



P34=P31

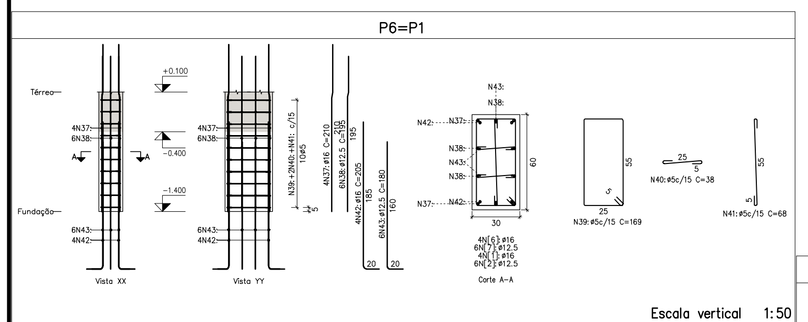


Resumo Aço Pilares	Comp. total (m)	Peso+10% (kg)	Total
CA-50 ø10	68.6	47	
ø12.5	966.7	1024	
ø16	418.0	726	1797
CA-60 ø5	1330.4	230	230
Total			2027

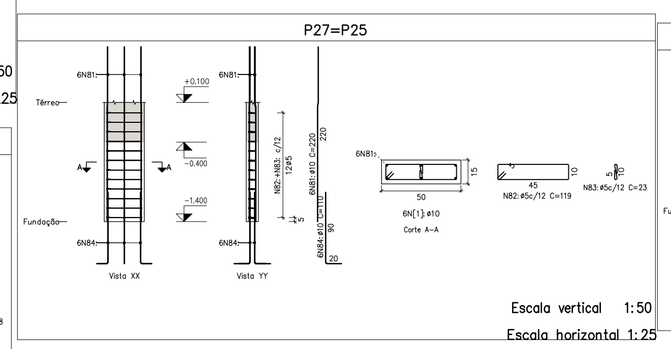
Elemento	Pos.	Diam.	Q.	Dob. (cm)	Reta (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50 (kg)	CA-60 (kg)
P5=P2	32	ø12.5	10				240	2400	23.1	
	33	ø5	10				169	1690		2.7
	34	ø5	20				38	760		1.2
	35	ø5	10				68	680		1.1
	36	ø12.5	10				140	1400	13.5	
								Total+10%	40.3	5.5
								(+2):	80.6	11.0
P6=P1	37	ø16	4				210	840	13.3	
	38	ø12.5	6				195	1170	11.3	
	39	ø5	10				169	1690		2.7
	40	ø5	20				38	760		1.2
	41	ø5	10				68	680		1.1
	42	ø16	4				205	820	12.9	
	43	ø12.5	6				180	1080	10.4	
								Total+10%	52.7	5.5
								(+2):	105.4	11.0
P7=P16=P14=P12=P10=P8=P9 P15=P13=P11	44	ø16	4				210	840	13.3	
	45	ø12.5	6				195	1170	11.3	
	46	ø5	12				150	1800		2.8
	47	ø5	24				38	912		1.4
	48	ø5	12				58	696		1.1
	49	ø16	4				150	600	9.5	
	50	ø12.5	6				140	840	8.1	
								Total+10%	46.4	5.8
								(+10):	464.0	58.0
P17=P22	51	ø16	4				210	840	13.3	
	52	ø12.5	4				195	780	7.5	
	53	ø5	12				149	1788		2.8
	54	ø5	12				38	456		0.7
	55	ø5	12				58	696		1.1
	56	ø16	4				180	720	11.4	
	57	ø12.5	4				155	620	6.0	
								Total+10%	42.0	5.1
								(+2):	84.0	10.2
P20=P19	58	ø16	4				210	840	13.3	
	59	ø12.5	6				195	1170	11.3	
	60	ø5	10				169	1690		2.7
	61	ø5	20				38	760		1.2
	62	ø5	10				68	680		1.1
	63	ø16	4				130	520	8.2	
	64	ø12.5	6				120	720	6.9	
								Total+10%	43.7	5.5
								(+2):	87.4	11.0
P4=P3	65	ø16	4				210	840	13.3	
	66	ø12.5	6				195	1170	11.3	
	67	ø5	10				169	1690		2.7
	68	ø5	20				38	760		1.2
	69	ø5	10				68	680		1.1
	70	ø16	4				150	600	9.5	
	71	ø12.5	6				140	840	8.1	
								Total+10%	46.4	5.5
								(+2):	92.8	11.0
P21=P18	72	ø12.5	8				240	1920	18.5	
	73	ø5	12				149	1788		2.8
	74	ø5	12				38	456		0.7
	75	ø5	12				58	696		1.1
	76	ø12.5	8				160	1280	12.3	
								Total+10%	33.9	5.1
								(+2):	67.8	10.2
P26	77	ø12.5	6				195	1170	11.3	
	78	ø5	12				119	1428		2.2
	79	ø5	12				23	276		0.4
	80	ø12.5	6				115	690	6.6	
								Total+10%	19.7	2.9
P27=P25	81	ø10	6				220	1320	8.1	
	82	ø5	12				119	1428		2.2
	83	ø5	12				23	276		0.4
	84	ø10	6				110	660	4.1	
								Total+10%	13.4	2.9
								(+2):	26.8	5.8
P32	85	ø12.5	10				195	1950	18.8	
	86	ø5	10				139	1390		2.2
	87	ø5	30				23	690		1.1
	88	ø12.5	10				115	1150	11.1	
								Total+10%	32.9	3.6
P33	89	ø16	4				265	1060	16.7	
	90	ø12.5	2				240	480	4.6	
	91	ø5	10				139	1390		2.2
	92	ø5	10				23	230		0.4
	93	ø16	2				125	250	7.9	
	94	ø12.5	2				115	230	2.2	
								Total+10%	34.5	2.9
P34=P31	95	ø12.5	4				240	960	9.2	
	96	ø10	2				220	440	2.7	
	97	ø5	12				119	1428		2.2
	98	ø5	12				23	276		0.4
	99	ø12.5	4				155	620	6.0	
	100	ø10	2				140	280	1.7	
								Total+10%	21.6	2.9
								(+2):	43.2	5.8
P44=P45	101	ø12.5	8				195	1560	15.0	
	102	ø5	12				169	2028		3.2
	103	ø5	24				38	912		1.4
	104	ø12.5	8				155	1240	11.9	
								Total+10%	29.6	5.1
								(+2):	59.2	10.2
								ø5:	0.0	230.0
								ø10:	46.6	0.0
								ø12.5:	1023.6	0.0
								ø16:	727.5	0.0
								Total:	1797.7	230.0

Concreto 25MPa

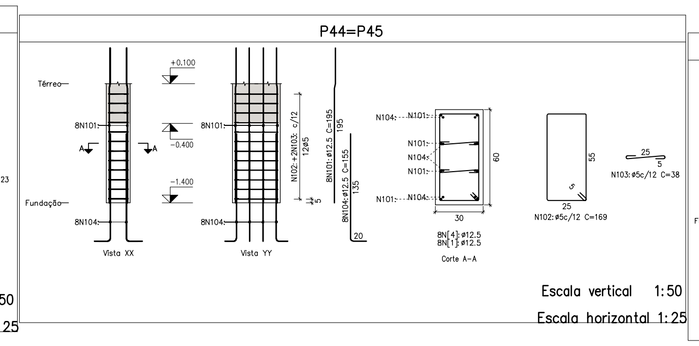
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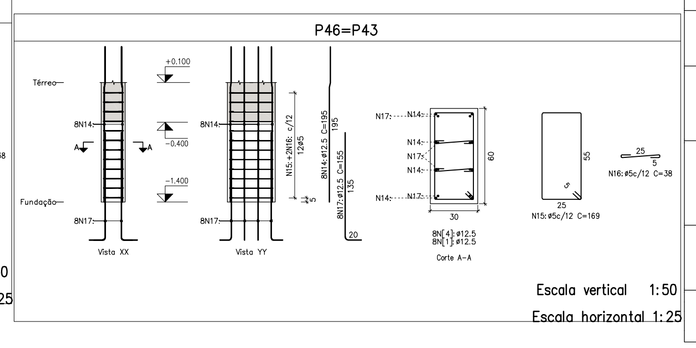
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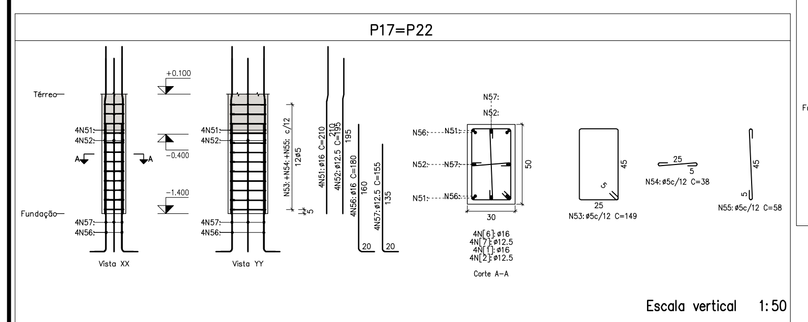
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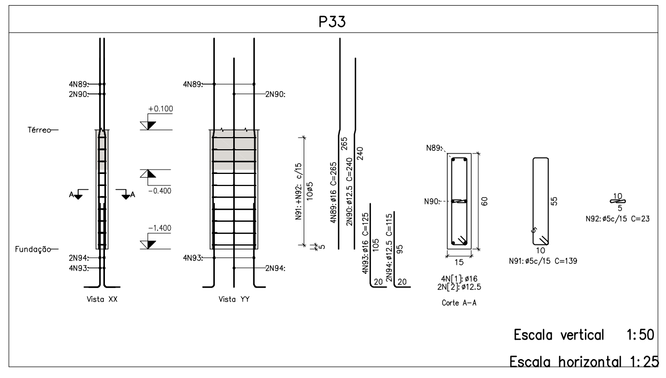
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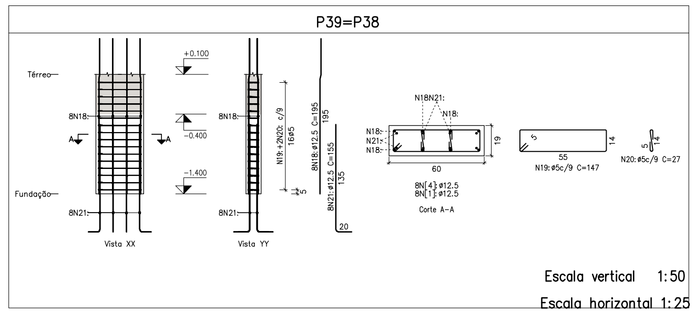
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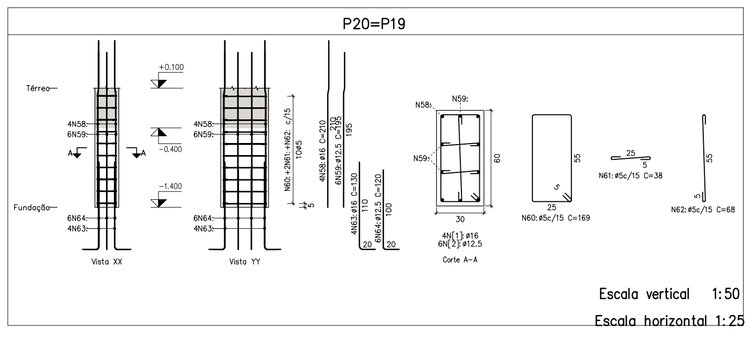
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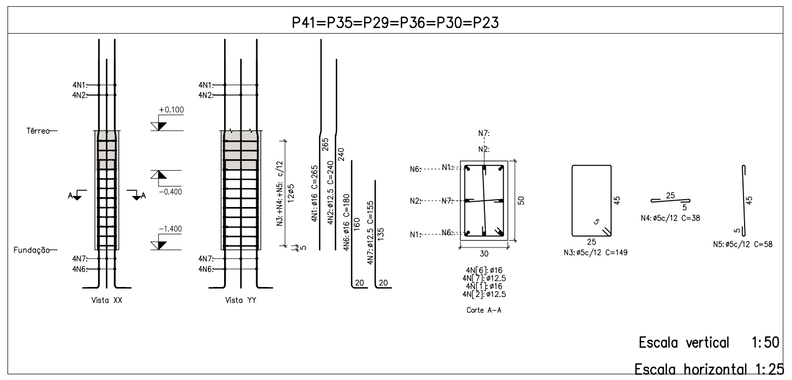
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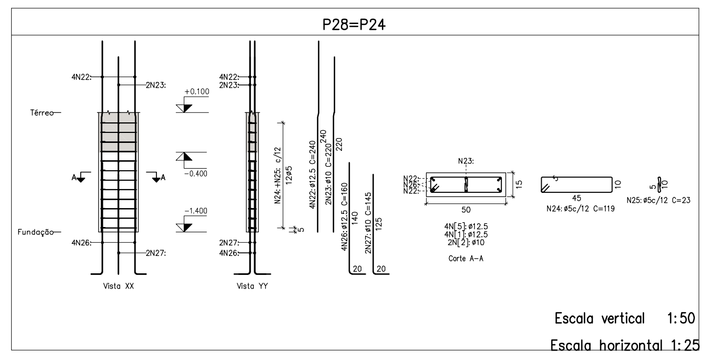
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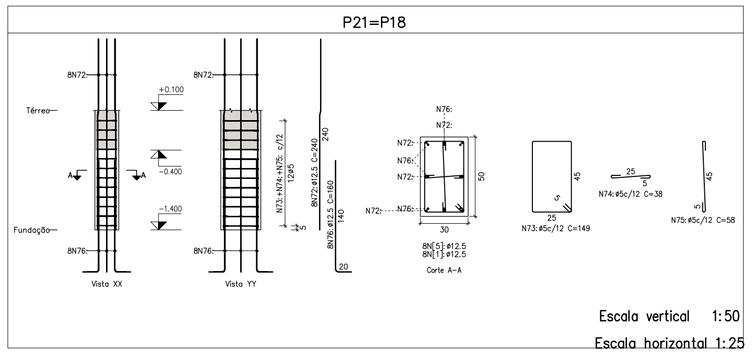
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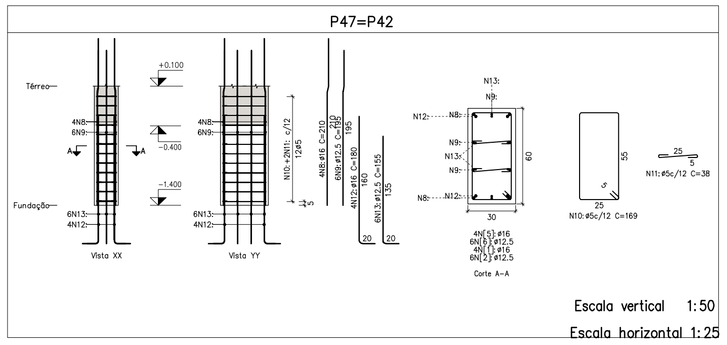
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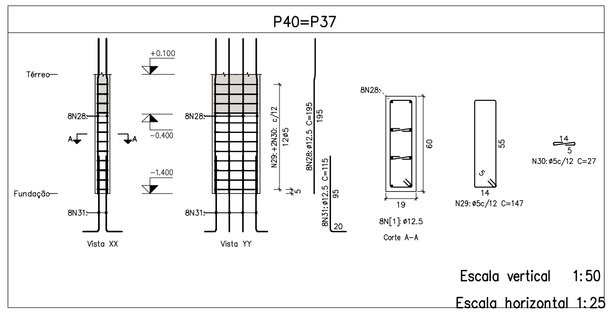
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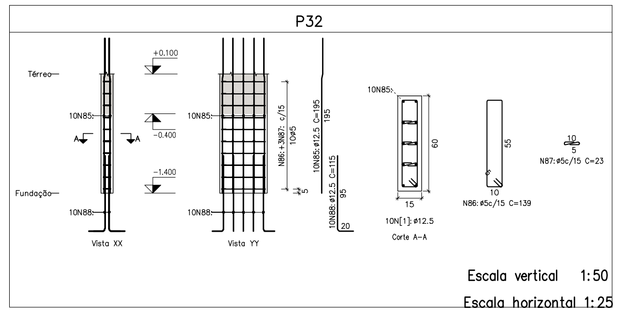
P47=P42



P40=P37



P32



CARIMBO

REVISÕES

Nº	DATA	DESCRIÇÃO	ASSINATURA
		"AS BUILT"	

EQUIPE TÉCNICA:

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CREA/SC 147.347-0
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CREA/SC 107.293-8
Eng.º Mecânico Fábio Domingos Guimarães
CREA/SC 075.436-1
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CAU/SC A118224-2

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CEP 88.010.002 – Fone/Fax: (48) 3251-4800
sesc-sc@sesc-sc.com.br

Projeto

ESTRUTURAL

Local
SESC COMUNIDADE GUABIRUBA
End.: RUA ARTHUR BAUMGARTNER, S/Nº - GUABIRUBA/SC

Obra
CONSTRUÇÃO QUADRA SESC COMUNIDADE

Conteudo
PILAR QUE CHEGA EM TÉRREO

Proprietário: SERVIÇO SOCIAL DO COMÉRCIO
Resp. técnico

Carimbo e assinatura do responsável técnico
Carimbo e assinatura do responsável técnico

Autor do Projeto
Eng.º Civil Jéssica Tartari da Silva
CREA/SC 147.347-0
Assinatura

Pranchа nº
01

Co-Autor do Projeto
Total
06

Arquivo	*Desenho*	*Escala*	*Data*
ESTRUTURAL-QUADRA SESC GUABIRUBA-PILARES-R00.DWG	CZF	Indicada	Outubro/2019

DATA DE PLOTAGEM: 04/outubro/2019 ********** PENA DE PLOTAGEM 3 = EST. PROENG.ctb
ARQUIVO: D:\PROJETOS\Guabiruba\454 - Sesc Guabiruba\Estrutural\Pranchas\Estrutural-Quadra Sesc Guabiruba-Pilares-R00.dwg